

・複数のデータを同一検索条件で検索実施

・rawデータ変換プログラム (Distiller, ProteoWizard MSconvert)の適用

・データの結合

・CSVファイル出力

・装置付属のソフトウェアを使わず
 MASCOT検索が可能

Mascot Daemon	- 🗆 X		
File Edit Help			
Status Event Log Task Editor Parameter Editor	1		
Owner Task Tutorial02	New Run		
Parameter set	Data import filter		
C:¥ProgramData¥Matrix Science¥Mascot Daemon¥parame¥tutorial02.par	Mascot Distiller Options		
Data file list Drag and drop data files into the area below or click on Add C ¥temp¥DistillerDataFilder¥DDA-Plasma_5ng-mL_010.mzML C ¥temp¥DistillerDataFilder¥DDA-Plasma_50ng-mL_008.mzML C ¥temp¥DistillerDataFilder¥DDAPlasma_5ng-mL_008.mzML C ¥temp¥DistillerDataFilder¥DDAP-Plasma_5ng-mL_014.mzML C ¥temp¥DistillerDataFilder¥DDAP-Plasma_5mg-mL_014.mzML C ¥temp¥DistillerDataFilder¥DDAP-Plasma_25ng-mL_013.mzML	Schedule • Start now • Start at • Start at • Start at • Start on completion of • No running batch tasks • • Real-time monitor • Follow-up • Search priority • ① • Search priority • ① • • • • • • • • • •		
C.¥temp¥DistillerDataFilder¥DDAp-Plasma_50ng-mL_012.mzML	Actions Auto-export External processes		
	Follow-up No follow-up required		
	Discard results		
Delete Add Folder Add Files	Repeat at intervals of 1 💿 days 💌		
Merge MS/MS files into single search	Pass data to None		

Daemon の操作手順 : Parameter Editor

Mascot Daemon The client application for automating the

Mascot Daemon	×
File Edit Help Status Event Log Task Editor Parameter Editor [1] 「Parameter Editor」タブをクリ	ック
Parameter set Filename: C:¥ProgramData¥Matrix Science¥Mas¥default.par New Open Save Save As	[3] 「Save」または
All Searches User name <a>mascot_user_full_name> User email <a>mascot_user_email>	Save As」ボタンで 設定ファイルを保存
Search title	
[2] 検索条件を指定 Databases SwissProt Select Databases Protein mass kDa	
Fixed modifications Carbamidomethyl (C) Image: Carbamidomethyl (C) Ima	
Variable modifications Oxidation (M) Average C Peptide charge 2+ and 3+ Peptide tol. ± 0.1 Da # 13C 0	
MS/MS MS/MS lons search Data format Mascot generic Instrument Default Error tolerant search MS/MS tol. ± 0.1 Da Quantitation None	
Target PSM FDR 1% Crosslinking None	

Daemon の操作手順: Task Editor

^{Mascot Daemon} [4] 「Task Editor」タブをクリック File Edit Help	- 🗆 X
Status Event Log Task Editor Parameter Editor Owner [5] Task名を指定 Task Parameter set [5] Task名を指定 Search test 01 C:¥ProgramData¥Matrix Science¥Mascot Daemon¥parameters¥daemondistiller.par	[9] Runボタンを押して検索開始 New Run Data import filter Proteo Wizard msConvert ① Options
Data file list Drag and drop data files into the area below or click on Add C:¥temp¥replicatesDataset¥QEP1_SpikeIn_230914_1_3ng_270914.raw C:¥temp¥replicatesDataset¥QEP1_SpikeIn_230914_10_15ng_270914.raw	 Start now Start now Start at Start on comple Real-time monif Follow-up Image: Follow-up Image: Complexity of the start o
Delete Add Folder Add Files Merge MS/MS files into sing [7] 検索対象となるファイルを選択	Actions Auto-export External processes Follow-up No follow-up required Discard results Repeat at intervals of 1 days Pass data to None

Mascot Daemon The client application for automating the submission of data files to Mascot Server

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ProteoWizard msConvert data in	nport options	×	
		Peal	k list formatを"MGF"に変更
Peak list format	MGF	1	
Default binary precision	64-bit precision		
Precision m/z	64-bit precision]	
Precision intensity	32-bit precision]	
Omit index (XML)			
Use compression (XML)	v		
Filter options	-filter "peak Picking true 1-" -filter "threshold count	Ī	
Reset	ок с	ancel	

Daemon の操作手順:検索待ち

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Mascot Daemon — 🗆 🗙	
File Edit Help	
Status Event Log Task Editor Parameter Editor	- 🗆 X
File Edit Help	
201811105_zeljko_ko 20181114_zeliko_ko	
□ ♥ 91: TMT Test 02 Log entry	
• • • • • • • • • • • • • • •	at command line
12 0764S_13.raw 0 - 0765S_13.raw 0	l i i i i i i i i i i i i i i i i i i i
i Event 10:26:36 2022/11/08 94 mgfScaffoldTest01 F02THP1_INFg_WT_2mg_IP_pre_HCD.mgf Search submitted a	at command line
Image: Mapping and the second secon	1
ABQ_20200916_30.; 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
ABQ_20200916_30.:	Mascot Daemon engine Start
ABQ_20200916_30-4 Vert 15:36:58 2023/02/17 Mascot Daemon er	Ingine version 2.8.0 (64-bit)
ABQ_20200916_30-4 Using embedded V	√istaDB database: C:¥ProgramData¥Matrix Sci
ABQ_20200916_30- Found Mascot Dist	tiller library (MDRO) version 2.8.2.0
ABQ_20200916_30-1 Found Mascot Dist	tiller Workstation version 2.8.2.0
ABQ_20200916_30.4	
Tevent 12:15:06 2023/02/22 95 search test 01 Connected to Masc	cot server at http://localhost/mascot/cgi/
ABO_20201016_37.	iller processing
Tende_2220015_57	istiller project file C:¥ProgramData¥Matrix Sciel
Tevent 12:51:03 2023/02/22 95 search test 01 QEP1_SpikeIn_230914_1_3ng_270914.raw End Mascot Distille	er processing
Event 12:51:08 2023/02/22 95 search test 01 QEP1_SpikeIn_230914_1_3ng_270914.raw Search submitted a	at command line
The search test 01 QEP1_SpikeIn_230914_1_3ng_270914.raw Search completed	1
ABQ_20200916_37. 実施したTaskが Statusl	iller processing
Event log 197 Clatask	
● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	
Refresh (F5) Filter Pause Resume Clone Cancel	

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Daemon の操作手順:検索結果の確認



