

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121022\
 Data File : BM037929.D
 Acq On : 10 Dec 2022 10:55
 Operator : CG/JU
 Sample : N5896-01DL 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

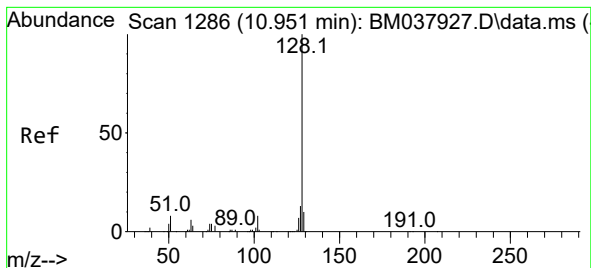
Instrument :
 BNA_M
 ClientSampleId :
 DBXL9DL

Quant Time: Dec 11 21:25:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 09 21:34:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	207708	20.000	ng/ul	0.00
20) Naphthalene-d8	10.898	136	747629	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.710	164	385615	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.451	188	855580	20.000	ng/ul	0.00
79) Chrysene-d12	21.621	240	1007975	20.000	ng/ul	0.00
88) Perylene-d12	24.103	264	1189198	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.422	96	423	0.092	ng/uL	0.00
4) Pyridine-d5	3.846	84	391	0.029	ng/ul	-0.01
7) Phenol-d5	7.234	99	19276	1.142	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.404	67	12961	1.261	ng/ul	0.00
11) 2-Chlorophenol-d4	7.610	132	17178	1.241	ng/ul	0.00
15) 4-Methylphenol-d8	8.792	113	14508	1.101	ng/ul	0.00
21) Nitrobenzene-d5	9.251	128	8056	1.361	ng/ul	0.00
24) 2-Nitrophenol-d4	9.975	143	7021	1.132	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.516	165	13049	1.107	ng/ul	0.00
31) 4-Chloroaniline-d4	11.045	131	11287	0.694	ng/ul	0.00
46) Dimethylphthalate-d6	14.115	166	36977	1.345	ng/ul	0.00
49) Acenaphthylene-d8	14.404	160	44932	1.337	ng/ul	0.00
54) 4-Nitrophenol-d4	14.904	143	4118	0.879	ng/ul	0.00
60) Fluorene-d10	15.698	176	36335	1.483	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.815	200	3200	0.700	ng/ul	0.00
73) Anthracene-d10	17.545	188	70366	1.762	ng/ul	0.00
81) Pyrene-d10	19.833	212	86515	1.429	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.938	264	96028	1.617	ng/ul	0.00
Target Compounds						Qvalue
30) Naphthalene	10.951	128	62169	1.541	ng/ul	97
50) Acenaphthylene	14.433	152	107860	2.919	ng/ul	97
56) Dibenzofuran	15.104	168	54281	1.556	ng/ul	100
61) Fluorene	15.751	166	61708	2.169	ng/ul	98
72) Phenanthrene	17.492	178	387847	8.301	ng/ul	99
74) Anthracene	17.580	178	1776570	37.415	ng/ul	99
77) Carbazole	17.851	167	201818	4.906	ng/ul	99
80) Fluoranthene	19.497	202	946651	13.247	ng/ul	97
82) Pyrene	19.862	202	4429724	59.563	ng/ul	99
85) Benzo(a)anthracene	21.603	228	416678	6.140	ng/ul	96
87) Chrysene	21.656	228	464421	7.294	ng/ul	97
90) Benzo(b)fluoranthene	23.344	252	2137497	28.993	ng/ul	99
91) Benzo(k)fluoranthene	23.344	252	2137497	29.915	ng/ul	98
93) Benzo(a)pyrene	23.991	252	871800	13.447	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.691	276	480950	5.760	ng/ul#	94
95) Dibenzo(a,h)anthracene	26.697	278	126099	1.791	ng/ul#	85
96) Benzo(g,h,i)perylene	27.491	276	350551	5.258	ng/ul	95

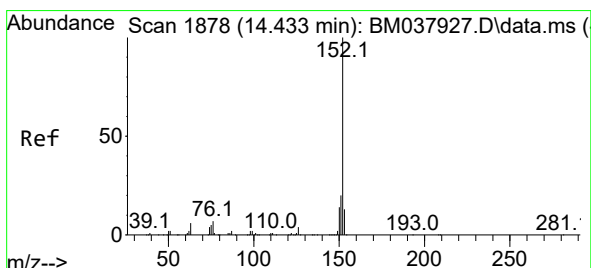
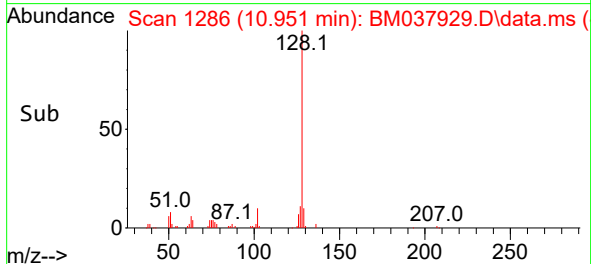
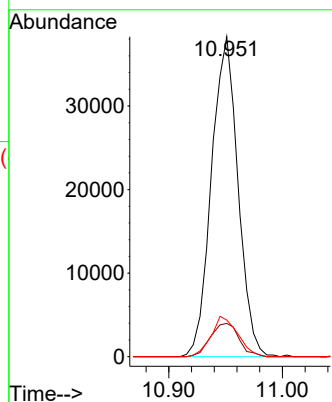
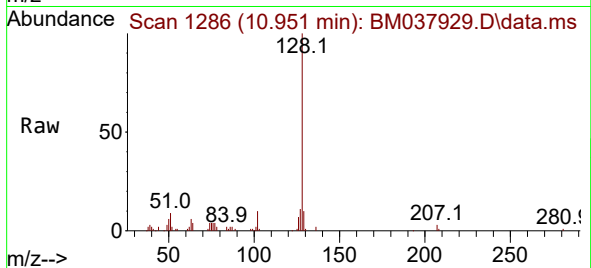
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#30
Naphthalene
Concen: 1.541 ng/ul
RT: 10.951 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM037929.D
Acq: 10 Dec 2022 10:55

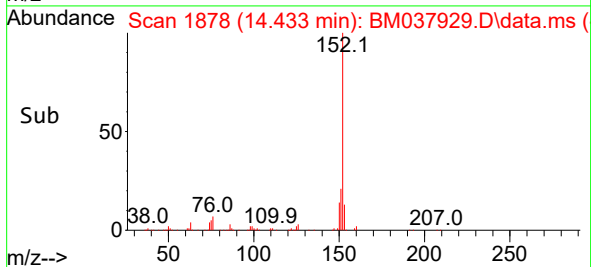
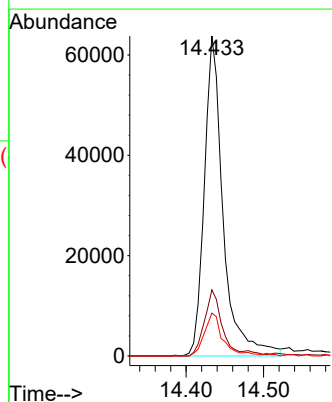
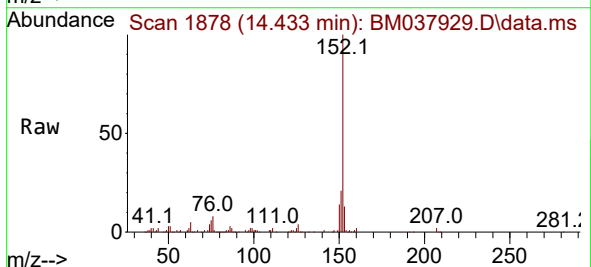
Instrument :
BNA_M
ClientSampleId :
DBXL9DL

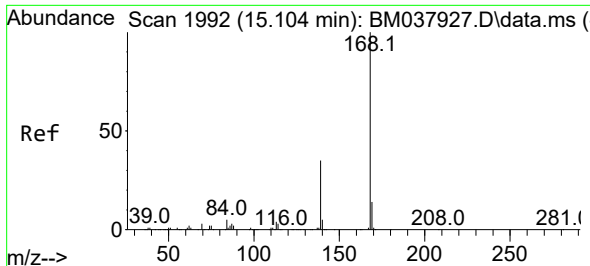
Tgt Ion:128 Resp: 62169
Ion Ratio Lower Upper
128 100
129 10.4 9.0 13.4
127 11.5 10.4 15.6



#50
Acenaphthylene
Concen: 2.919 ng/ul
RT: 14.433 min Scan# 1878
Delta R.T. -0.006 min
Lab File: BM037929.D
Acq: 10 Dec 2022 10:55

Tgt Ion:152 Resp: 107860
Ion Ratio Lower Upper
152 100
151 20.6 15.3 22.9
153 13.4 10.2 15.4

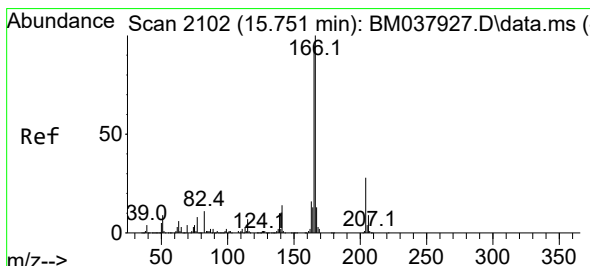
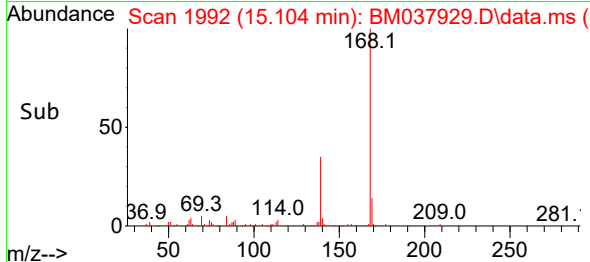
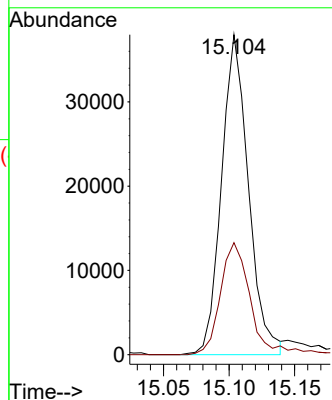
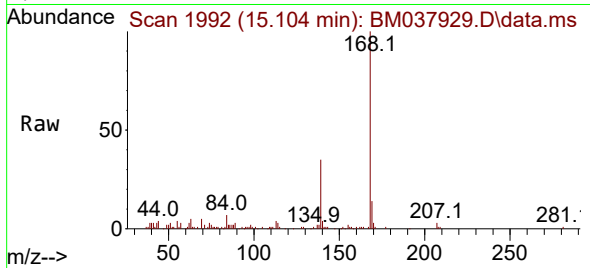




#56
Dibenzenofuran
Concen: 1.556 ng/ul
RT: 15.104 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BM037929.D
Acq: 10 Dec 2022 10:55

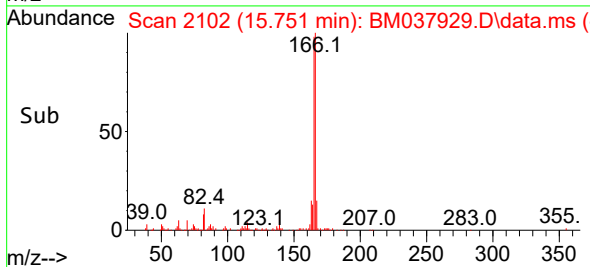
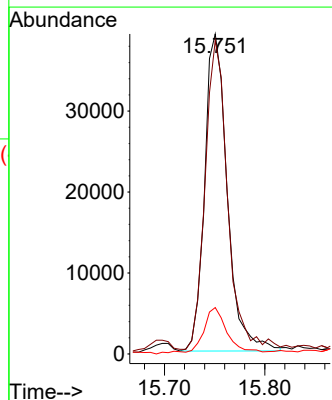
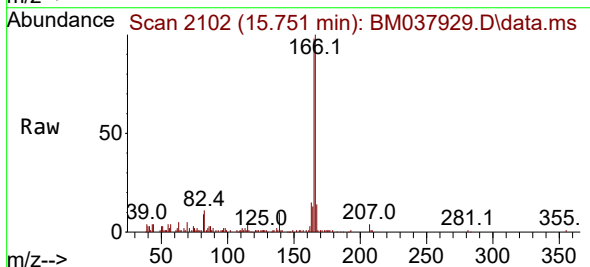
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BNA_M
ClientSampleId :
DBXL9DL

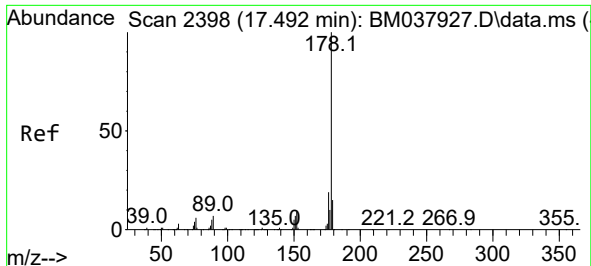
Tgt Ion:168 Resp: 54281
Ion Ratio Lower Upper
168 100
139 35.0 28.1 42.1



#61
Fluorene
Concen: 2.169 ng/ul
RT: 15.751 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BM037929.D
Acq: 10 Dec 2022 10:55

Tgt Ion:166 Resp: 61708
Ion Ratio Lower Upper
166 100
165 98.0 77.2 115.8
167 14.5 10.4 15.6

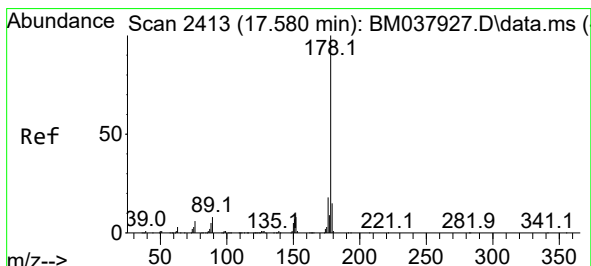
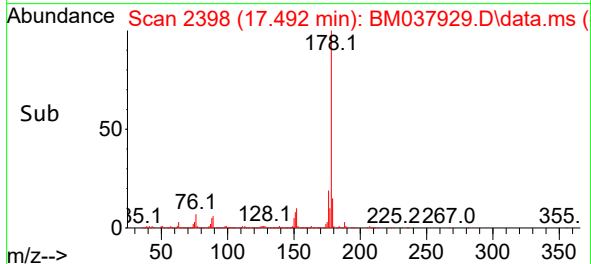
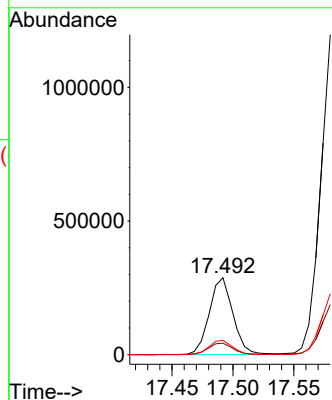
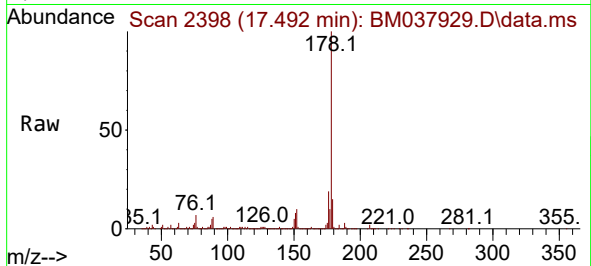




#72
Phenanthrene
Concen: 8.301 ng/ul
RT: 17.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM037929.D
Acq: 10 Dec 2022 10:55

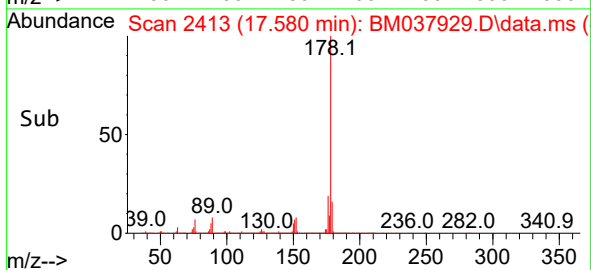
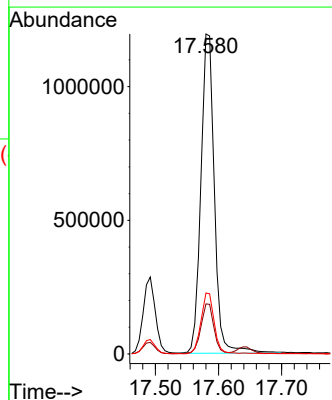
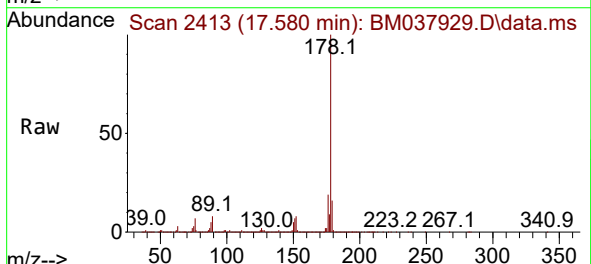
Instrument :
BNA_M
ClientSampleId :
DBXL9DL

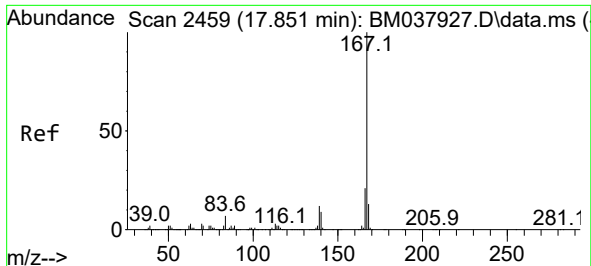
Tgt Ion:178 Resp: 387847
Ion Ratio Lower Upper
178 100
179 15.0 12.2 18.2
176 18.7 15.4 23.0



#74
Anthracene
Concen: 37.415 ng/ul
RT: 17.580 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BM037929.D
Acq: 10 Dec 2022 10:55

Tgt Ion:178 Resp: 1776570
Ion Ratio Lower Upper
178 100
179 15.7 11.8 17.8
176 19.1 15.0 22.6

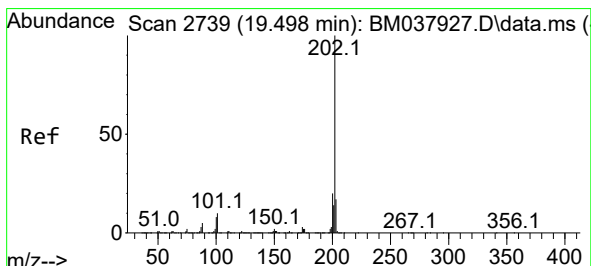
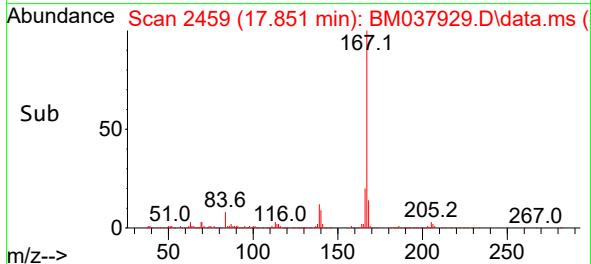
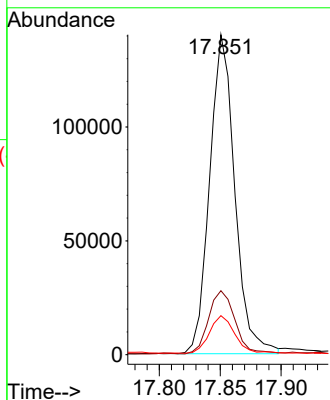
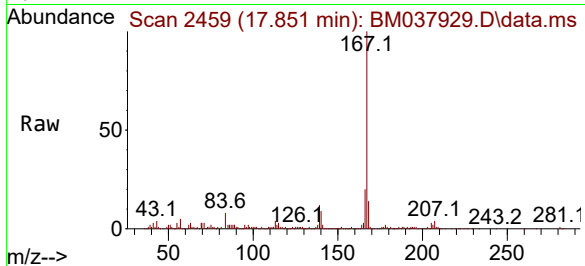




#77
 Carbazole
 Concen: 4.906 ng/ul
 RT: 17.851 min Scan# 2459
 Delta R.T. -0.006 min
 Lab File: BM037929.D
 Acq: 10 Dec 2022 10:55

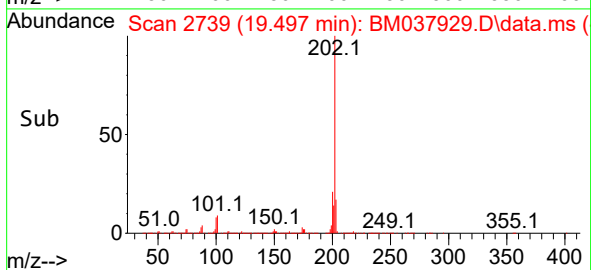
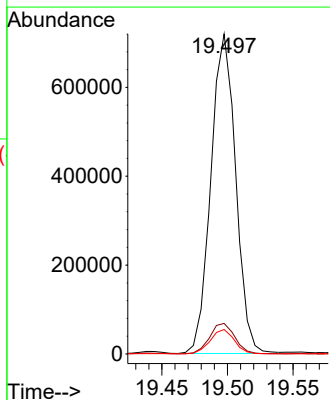
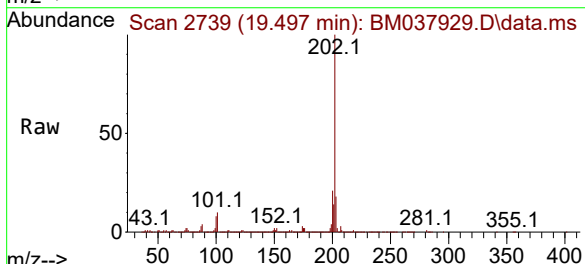
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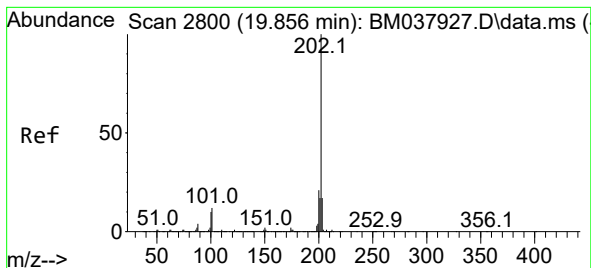
Tgt Ion:167 Resp: 201818
 Ion Ratio Lower Upper
 167 100
 166 20.0 16.7 25.1
 139 12.2 9.8 14.6



#80
 Fluoranthene
 Concen: 13.247 ng/ul
 RT: 19.497 min Scan# 2739
 Delta R.T. -0.000 min
 Lab File: BM037929.D
 Acq: 10 Dec 2022 10:55

Tgt Ion:202 Resp: 946651
 Ion Ratio Lower Upper
 202 100
 101 9.5 8.6 13.0
 100 7.6 6.6 10.0





#82

Pyrene

Concen: 59.563 ng/ul

RT: 19.862 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM037929.D

Acq: 10 Dec 2022 10:55

Instrument :

BNA_M

ClientSampleId :

DBXL9DL

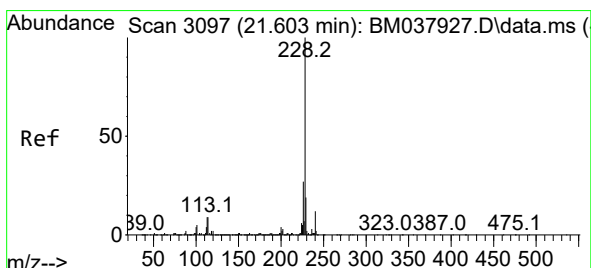
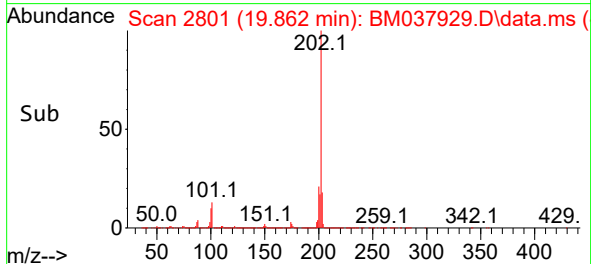
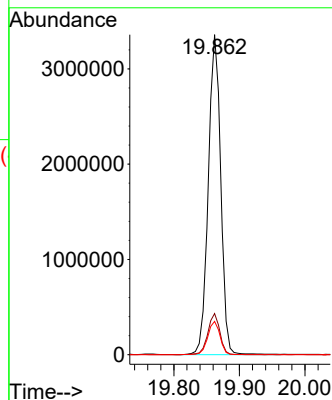
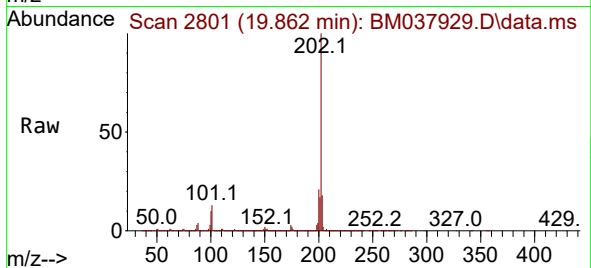
Tgt Ion:202 Resp: 4429724

Ion Ratio Lower Upper

202 100

101 12.9 10.0 15.0

100 10.4 7.9 11.9



#85

Benzo(a)anthracene

Concen: 6.140 ng/ul

RT: 21.603 min Scan# 3097

Delta R.T. -0.000 min

Lab File: BM037929.D

Acq: 10 Dec 2022 10:55

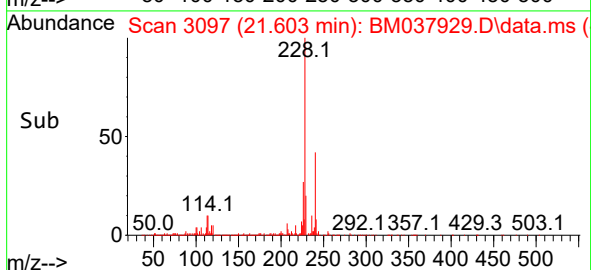
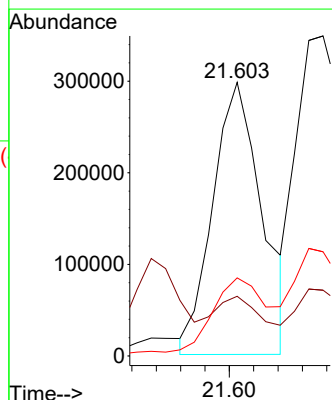
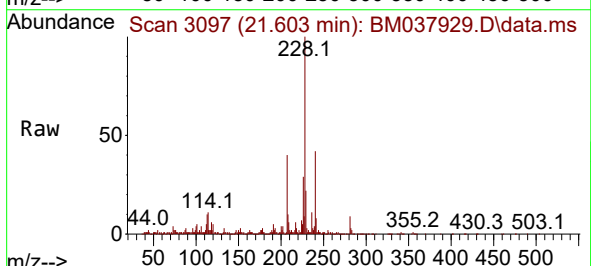
Tgt Ion:228 Resp: 416678

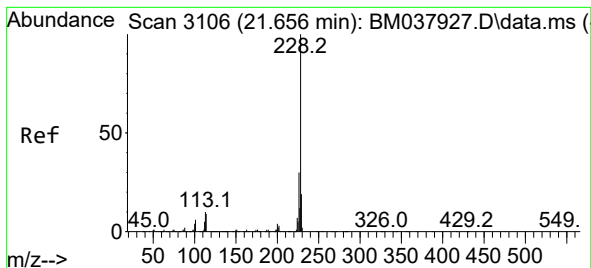
Ion Ratio Lower Upper

228 100

229 21.8 15.5 23.3

226 28.5 21.8 32.8





#87

Chrysene

Concen: 7.294 ng/ul

RT: 21.656 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM037929.D

Acq: 10 Dec 2022 10:55

Instrument :

BNA_M

ClientSampleId :

DBXL9DL

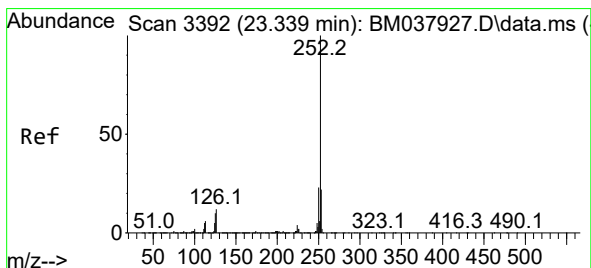
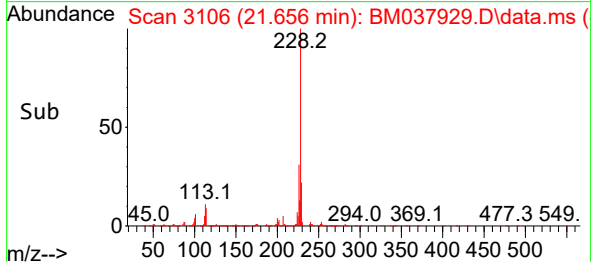
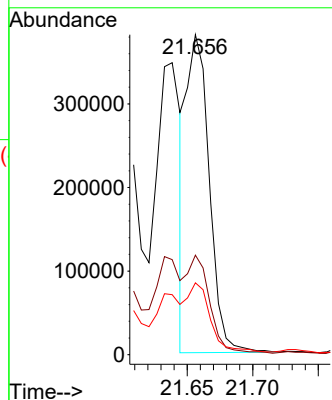
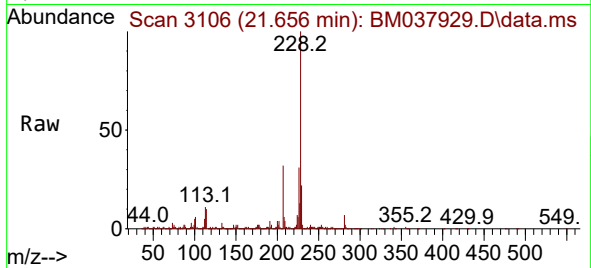
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Ion Ratio Lower Upper

228 100

226 31.1 24.3 36.5

229 22.5 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 28.993 ng/ul

RT: 23.344 min Scan# 3393

Delta R.T. -0.000 min

Lab File: BM037929.D

Acq: 10 Dec 2022 10:55

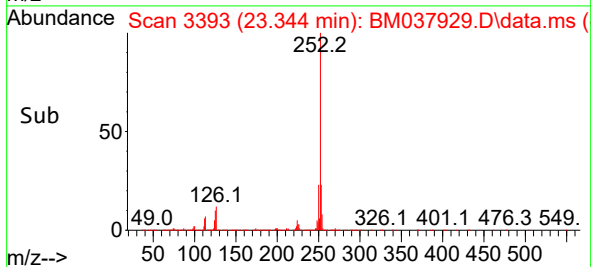
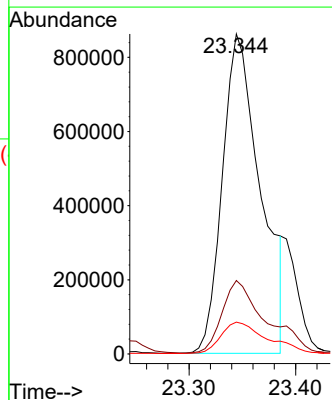
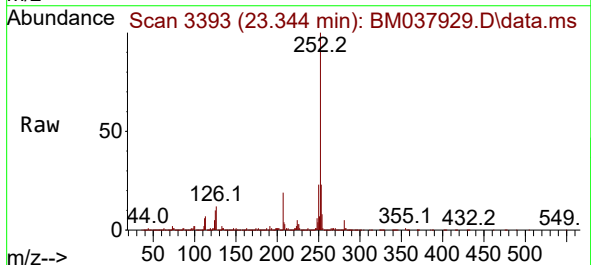
Tgt Ion:252 Resp: 2137497

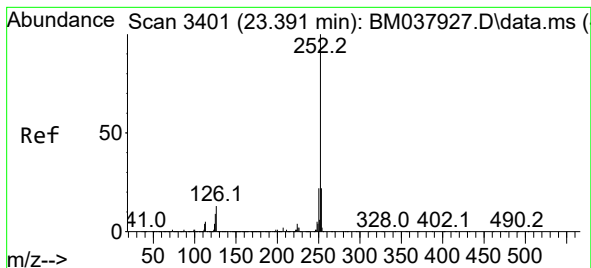
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 10.0 8.0 12.0





#91

Benzo(k)fluoranthene

Concen: 29.915 ng/ul

RT: 23.344 min Scan# 31

Delta R.T. -0.047 min

Lab File: BM037929.D

Acq: 10 Dec 2022 10:55

Instrument :

BNA_M

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DBXL9DL

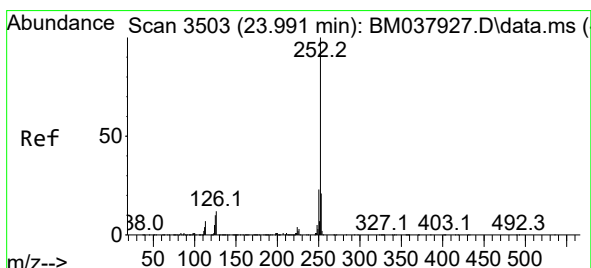
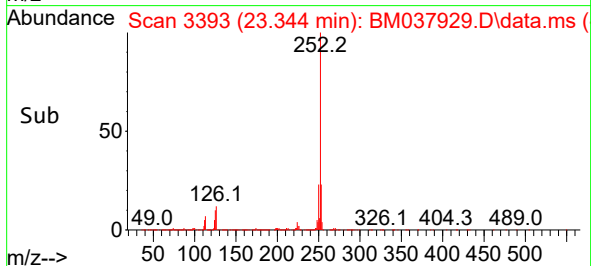
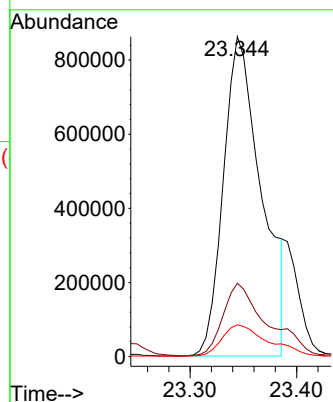
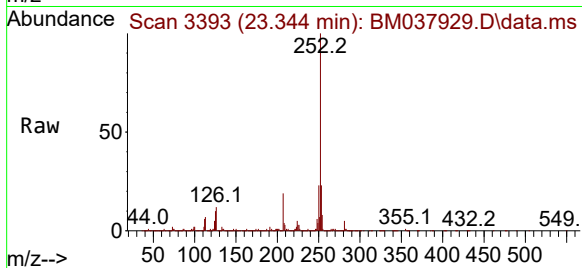
Tgt Ion:252 Resp: 2137497

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 10.0 8.1 12.1



#93

Benzo(a)pyrene

Concen: 13.447 ng/ul

RT: 23.991 min Scan# 3503

Delta R.T. -0.000 min

Lab File: BM037929.D

Acq: 10 Dec 2022 10:55

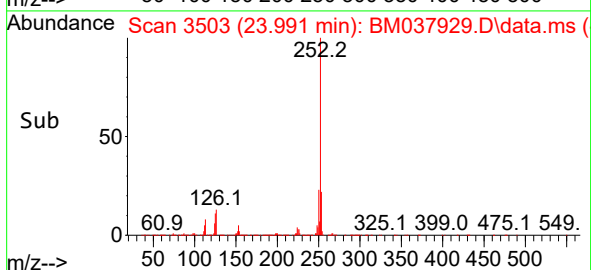
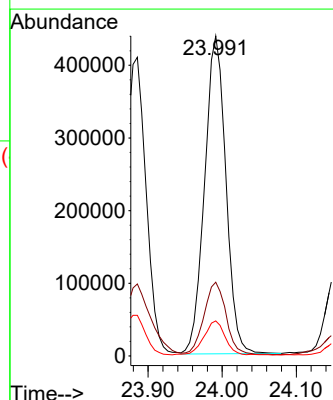
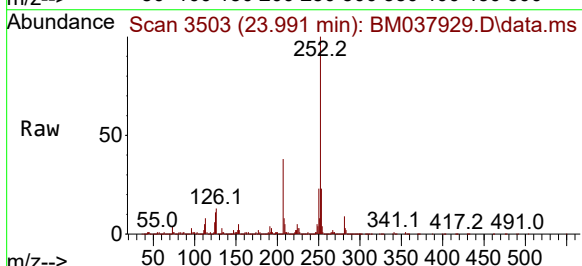
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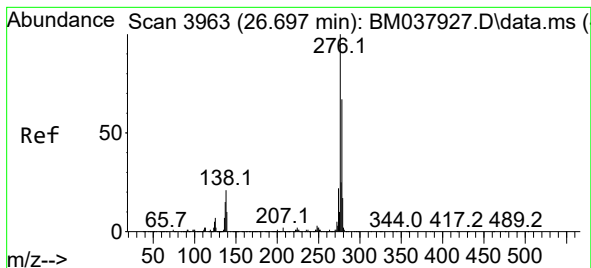
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 10.9 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.760 ng/ul

RT: 26.691 min Scan# 3962

Delta R.T. -0.012 min

Lab File: BM037929.D

Acq: 10 Dec 2022 10:55

Instrument :

BNA_M

ClientSampleId :

DBXL9DL

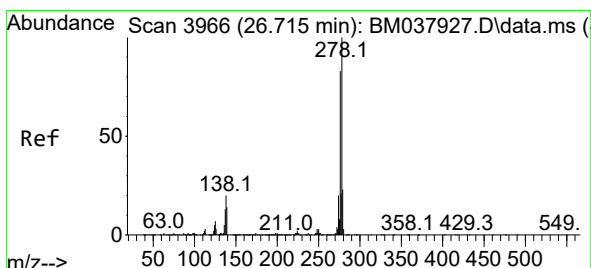
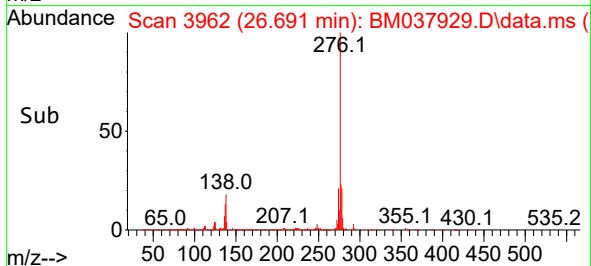
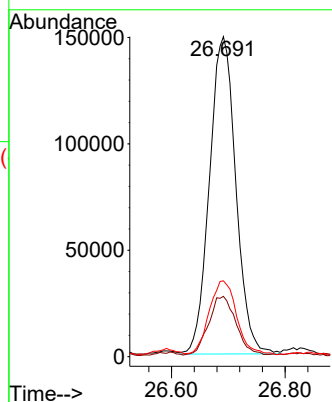
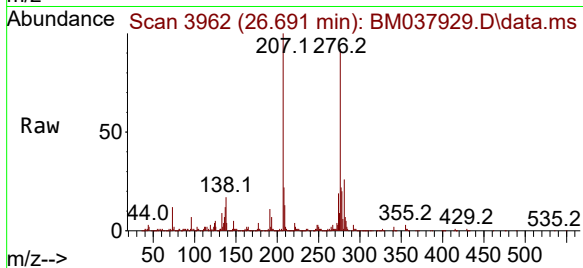
Tgt Ion:276 Resp: 480950

Ion Ratio Lower Upper

276 100

138 18.8 19.3 28.9#

277 23.7 19.8 29.8



#95

Dibenzo(a,h)anthracene

Concen: 1.791 ng/ul

RT: 26.697 min Scan# 3963

Delta R.T. -0.018 min

Lab File: BM037929.D

Acq: 10 Dec 2022 10:55

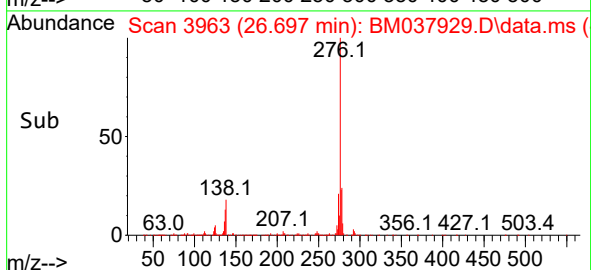
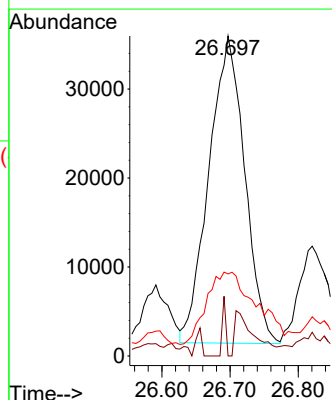
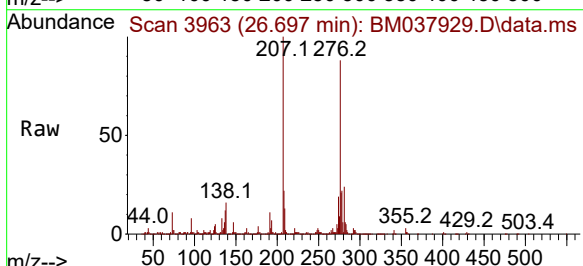
Tgt Ion:278 Resp: 126099

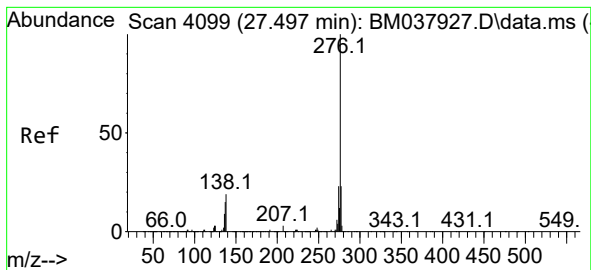
Ion Ratio Lower Upper

278 100

139 0.0 12.4 18.6#

279 25.7 19.8 29.6





#96

Benzo(g,h,i)perylene

Concen: 5.258 ng/ul

RT: 27.491 min Scan# 4098

Delta R.T. -0.012 min

Lab File: BM037929.D

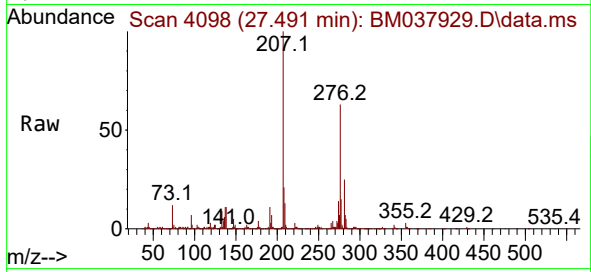
Acq: 10 Dec 2022 10:55

Instrument :

BNA_M

ClientSampleId :

DBXL9DL



Tgt Ion:276 Resp: 350551

Ion Ratio Lower Upper

276 100

138 17.5 17.1 25.7

277 24.1 18.2 27.4

