

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120822\
 Data File : BM037892.D
 Acq On : 08 Dec 2022 18:27
 Operator : CG/JU
 Sample : N5832-16 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBXL1

Quant Time: Dec 08 22:41:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 08 01:49:06 2022
 Response via : Initial Calibration

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

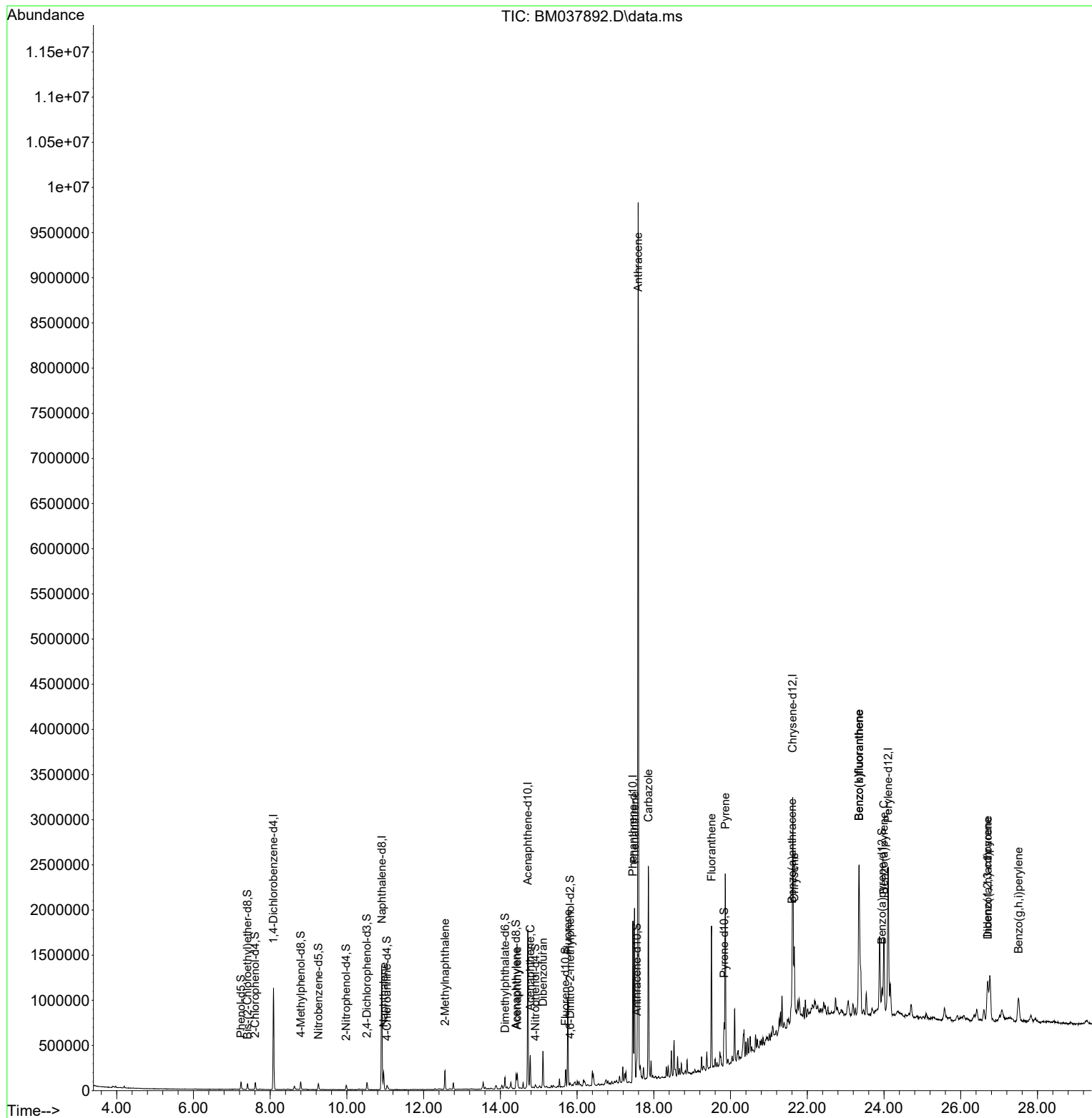
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.087	152	302648	20.000	ng/ul	0.00
20) Naphthalene-d8	10.910	136	1137493	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.716	164	580877	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.457	188	1134644	20.000	ng/ul	0.00
79) Chrysene-d12	21.621	240	1065377	20.000	ng/ul	0.00
88) Perylene-d12	24.109	264	1279204	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.434	96	1808	0.271	ng/uL	0.00
4) Pyridine-d5	3.858	84	553	0.028	ng/ul	0.00
7) Phenol-d5	7.240	99	42889	1.744	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.410	67	26744	1.786	ng/ul	0.00
11) 2-Chlorophenol-d4	7.610	132	35194	1.744	ng/ul	0.00
15) 4-Methylphenol-d8	8.798	113	31366	1.634	ng/ul	0.00
21) Nitrobenzene-d5	9.257	128	16558	1.839	ng/ul	0.00
24) 2-Nitrophenol-d4	9.981	143	16941	1.795	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.522	165	30495	1.701	ng/ul	0.00
31) 4-Chloroaniline-d4	11.045	131	26177	1.058	ng/ul	0.00
46) Dimethylphthalate-d6	14.122	166	85774	2.071	ng/ul	0.00
49) Acenaphthylene-d8	14.410	160	101540	2.006	ng/ul	0.00
54) 4-Nitrophenol-d4	14.916	143	8504	1.205	ng/ul	0.00
60) Fluorene-d10	15.698	176	77610	2.103	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.821	200	6230	1.027	ng/ul	0.00
73) Anthracene-d10	17.557	188	125983	2.379	ng/ul	0.00
81) Pyrene-d10	19.833	212	138733	2.168	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.944	264	143618	2.248	ng/ul	0.00
Target Compounds				Qvalue		
30) Naphthalene	10.957	128	156651	2.552	ng/ul	99
36) 2-Methylnaphthalene	12.557	142	98807	2.482	ng/ul	99
50) Acenaphthylene	14.439	152	130282	2.341	ng/ul	97
52) Acenaphthene	14.780	153	139824	3.632	ng/ul	98
56) Dibenzofuran	15.110	168	261216	4.970	ng/ul	99
61) Fluorene	15.757	166	432716	10.096	ng/ul	100
72) Phenanthrene	17.498	178	1142212	18.434	ng/ul	100
74) Anthracene	17.592	178	6286998	99.841	ng/ul	99
77) Carbazole	17.857	167	1572729	28.828	ng/ul	99
80) Fluoranthene	19.504	202	945096	12.513	ng/ul	99
82) Pyrene	19.862	202	1315081	16.730	ng/ul	99
85) Benzo(a)anthracene	21.603	228	320075	4.463	ng/ul	96
87) Chrysene	21.662	228	415977	6.181	ng/ul	99
90) Benzo(b)fluoranthene	23.350	252	1796822	22.657	ng/ul	98
91) Benzo(k)fluoranthene	23.350	252	1796822	23.378	ng/ul	98
93) Benzo(a)pyrene	23.997	252	629648	9.029	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.703	276	479202	5.335	ng/ul	96
95) Dibenzo(a,h)anthracene	26.709	278	118540	1.566	ng/ul#	84
96) Benzo(g,h,i)perylene	27.503	276	364272	5.080	ng/ul	98

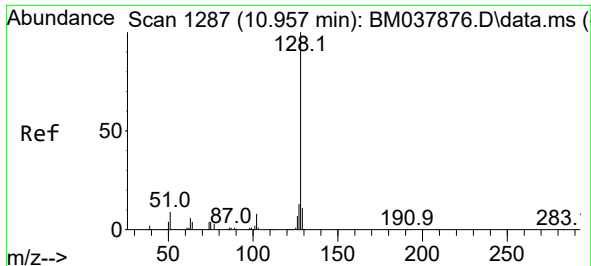
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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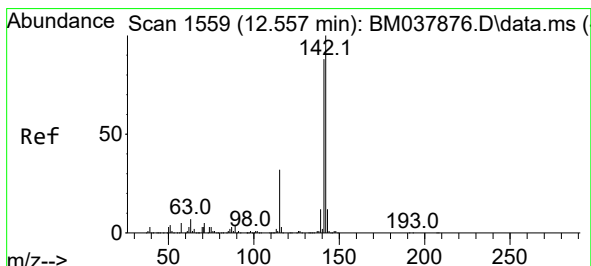
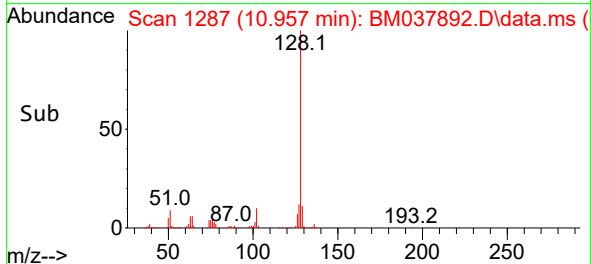
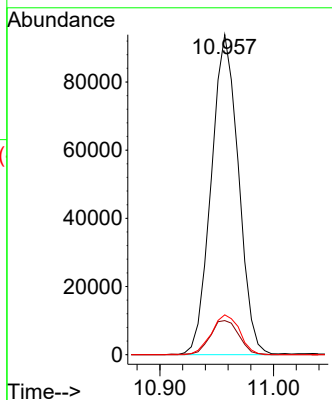
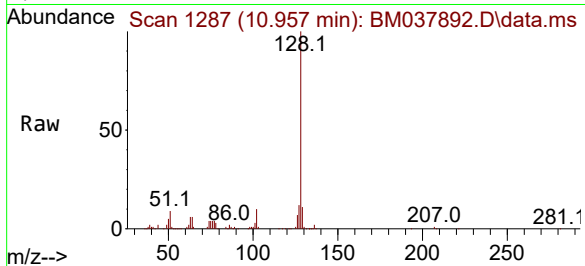




#30
Naphthalene
Concen: 2.552 ng/ul
RT: 10.957 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM037892.D
Acq: 08 Dec 2022 18:27

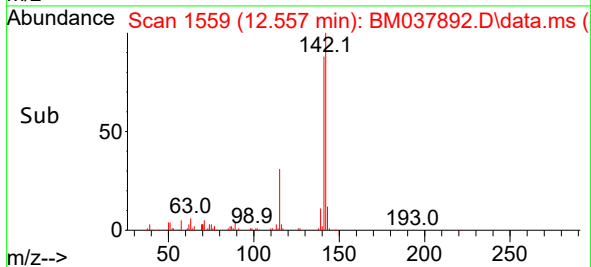
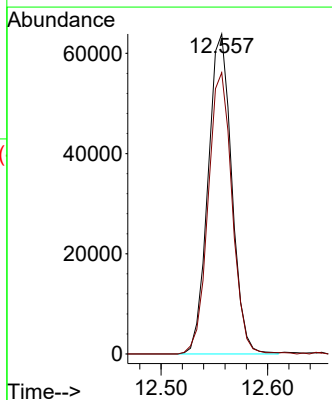
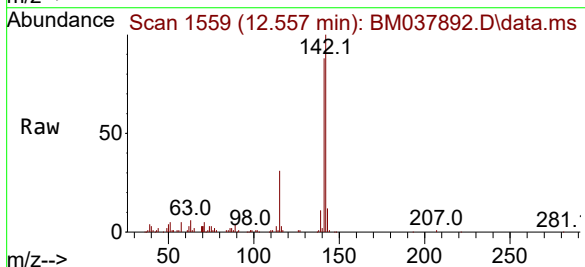
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BNA_M
ClientSampleId :
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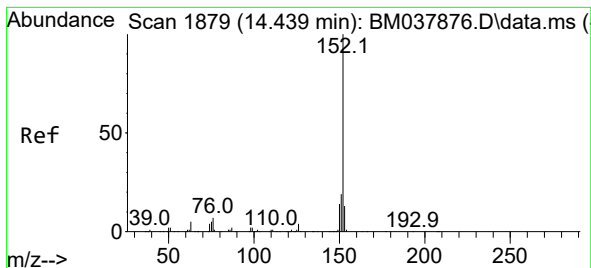
Tgt Ion:128 Resp: 156651
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 12.5 10.4 15.6



#36
2-Methylnaphthalene
Concen: 2.482 ng/ul
RT: 12.557 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BM037892.D
Acq: 08 Dec 2022 18:27

Tgt Ion:142 Resp: 98807
Ion Ratio Lower Upper
142 100
141 87.9 69.4 104.0





#50

Acenaphthylene

Concen: 2.341 ng/ul

RT: 14.439 min Scan# 1879

Delta R.T. -0.006 min

Lab File: BM037892.D

Acq: 08 Dec 2022 18:27

Instrument :

BNA_M

ClientSampleId :

DBXL1

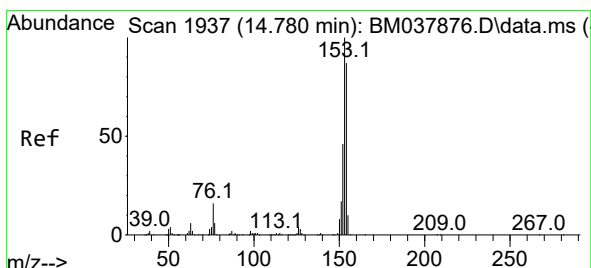
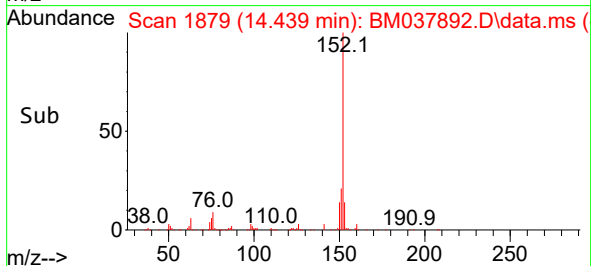
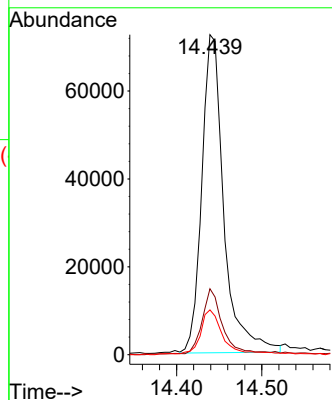
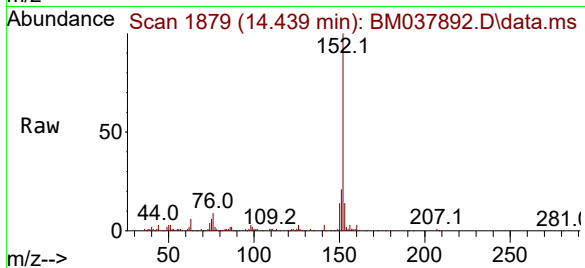
Tgt Ion:152 Resp: 130282

Ion Ratio Lower Upper

152 100

151 20.6 15.3 22.9

153 14.0 10.2 15.4



#52

Acenaphthene

Concen: 3.632 ng/ul

RT: 14.780 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BM037892.D

Acq: 08 Dec 2022 18:27

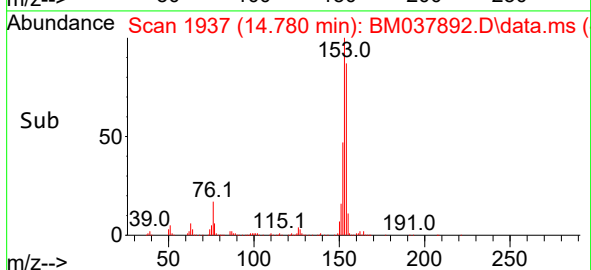
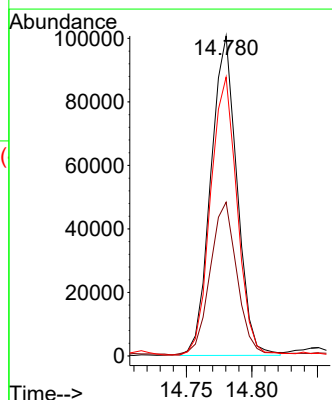
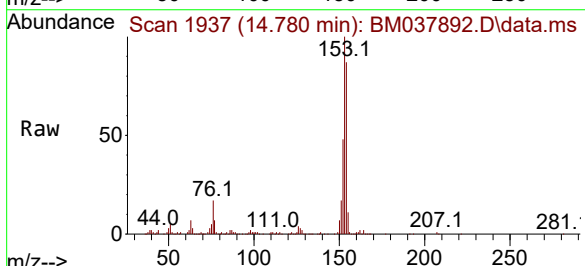
Tgt Ion:153 Resp: 139824

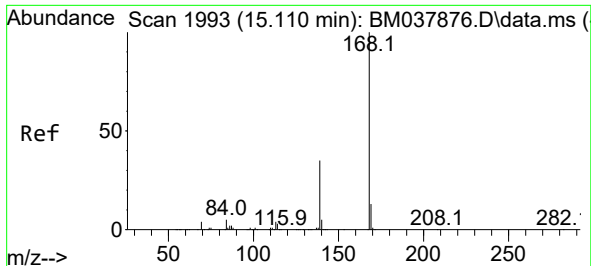
Ion Ratio Lower Upper

153 100

152 48.1 38.2 57.4

154 87.2 71.4 107.0

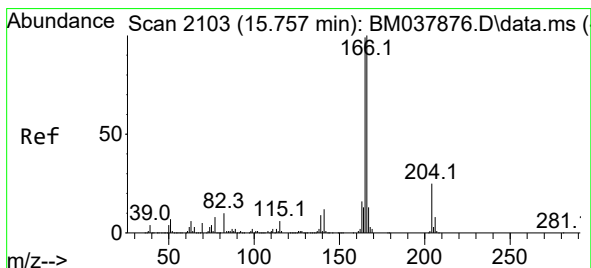
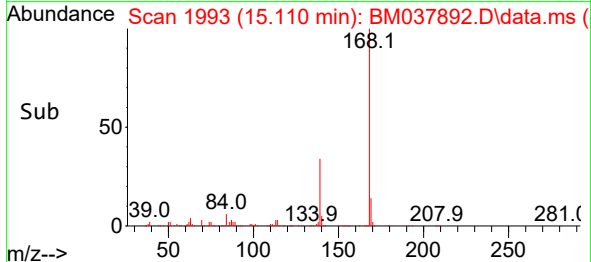
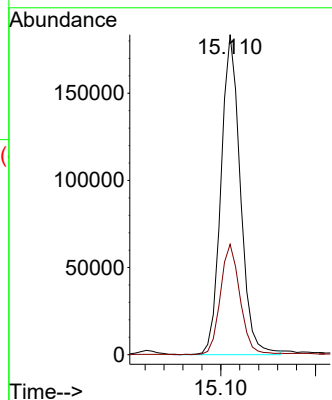
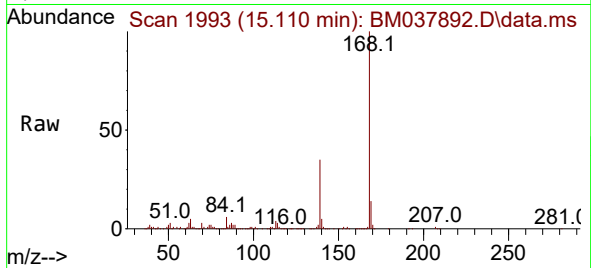




#56
Dibenzenofuran
Concen: 4.970 ng/ul
RT: 15.110 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BM037892.D
Acq: 08 Dec 2022 18:27

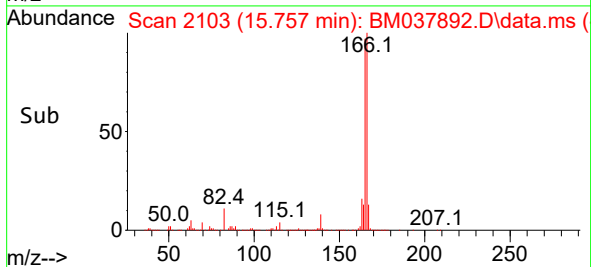
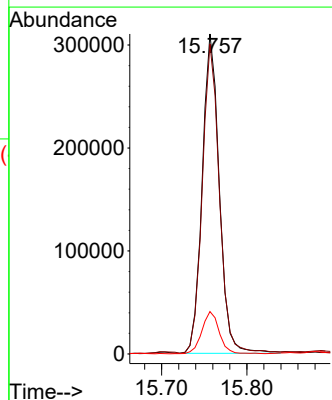
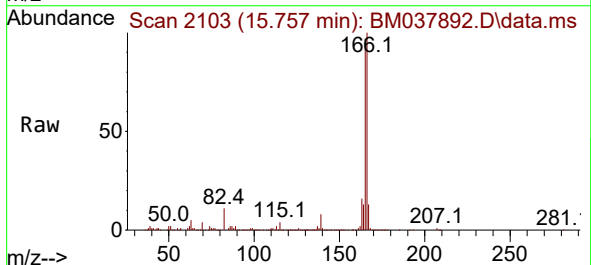
Instrument :
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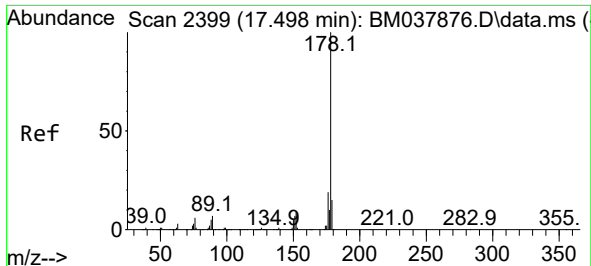
Tgt Ion:168 Resp: 261216
Ion Ratio Lower Upper
168 100
139 34.5 28.1 42.1



#61
Fluorene
Concen: 10.096 ng/ul
RT: 15.757 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BM037892.D
Acq: 08 Dec 2022 18:27

Tgt Ion:166 Resp: 432716
Ion Ratio Lower Upper
166 100
165 96.9 77.2 115.8
167 13.3 10.4 15.6

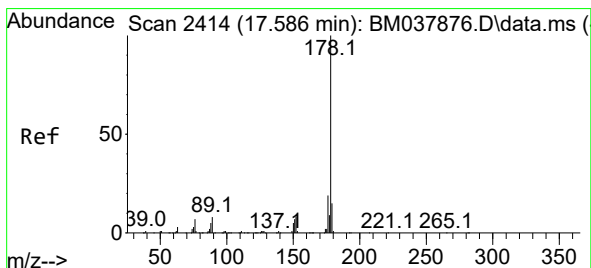
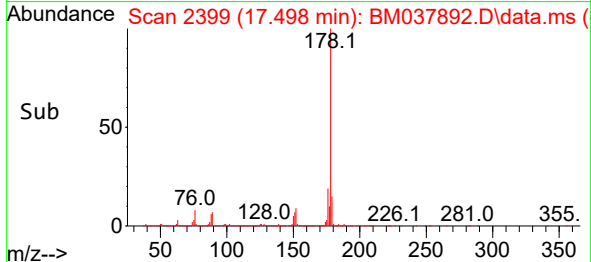
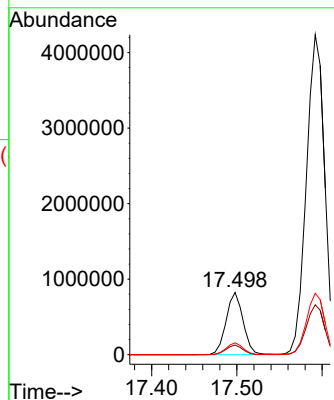
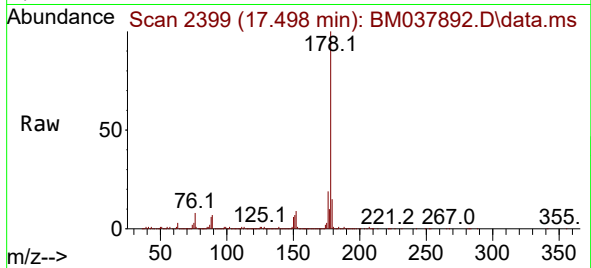




#72
Phenanthrene
Concen: 18.434 ng/ul
RT: 17.498 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM037892.D
Acq: 08 Dec 2022 18:27

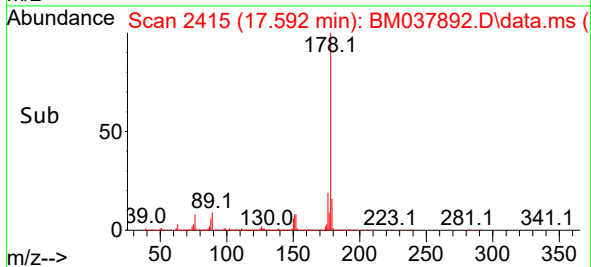
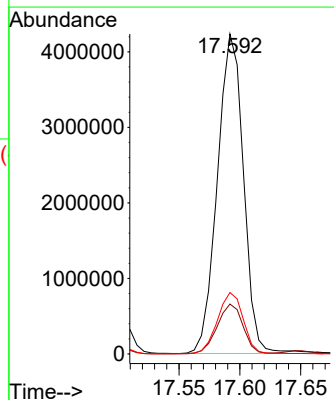
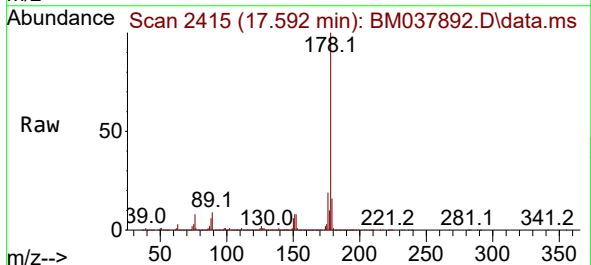
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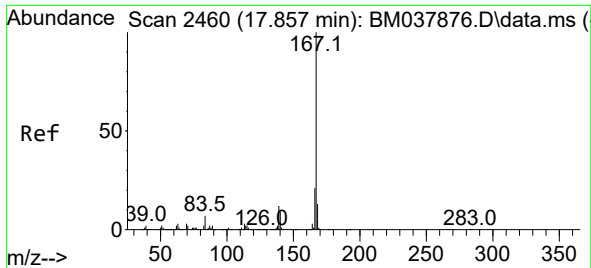
Tgt Ion:178 Resp: 1142212
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.2
176 19.1 15.4 23.0



#74
Anthracene
Concen: 99.841 ng/ul
RT: 17.592 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BM037892.D
Acq: 08 Dec 2022 18:27

Tgt Ion:178 Resp: 6286998
Ion Ratio Lower Upper
178 100
179 15.6 11.8 17.8
176 19.2 15.0 22.6

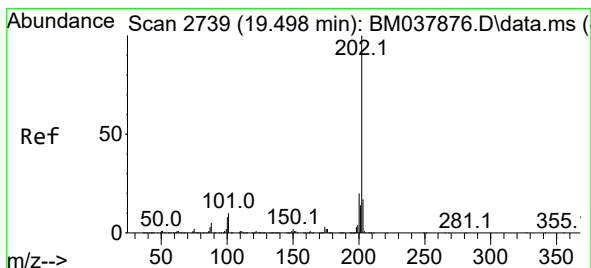
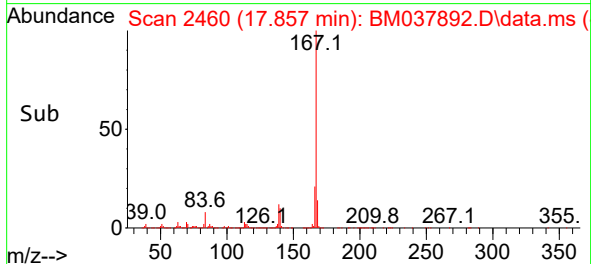
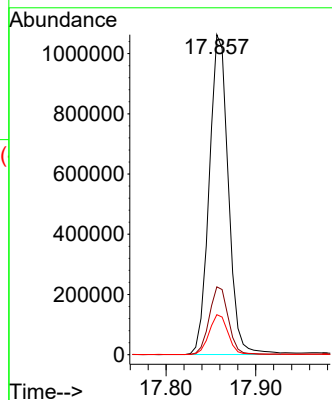
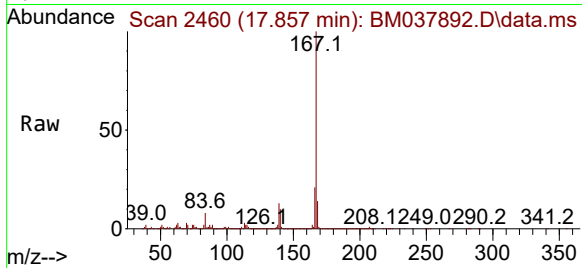




#77
 Carbazole
 Concen: 28.828 ng/ul
 RT: 17.857 min Scan# 2460
 Delta R.T. 0.000 min
 Lab File: BM037892.D
 Acq: 08 Dec 2022 18:27

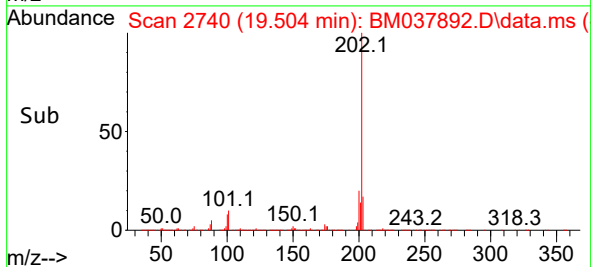
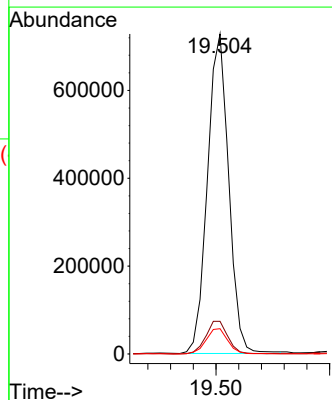
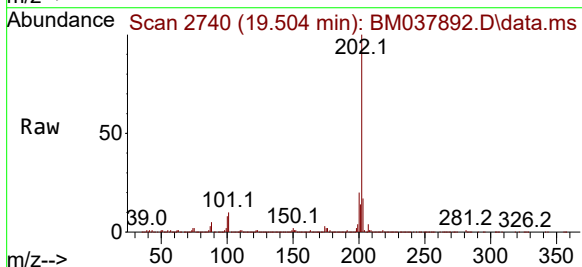
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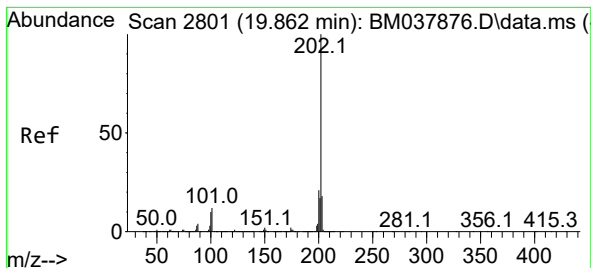
Tgt Ion:167 Resp: 1572729
 Ion Ratio Lower Upper
 167 100
 166 21.2 16.7 25.1
 139 12.5 9.8 14.6



#80
 Fluoranthene
 Concen: 12.513 ng/ul
 RT: 19.504 min Scan# 2740
 Delta R.T. 0.000 min
 Lab File: BM037892.D
 Acq: 08 Dec 2022 18:27

Tgt Ion:202 Resp: 945096
 Ion Ratio Lower Upper
 202 100
 101 10.2 8.6 13.0
 100 7.9 6.6 10.0





#82

Pyrene

Concen: 16.730 ng/ul

RT: 19.862 min Scan# 2801

Delta R.T. -0.006 min

Lab File: BM037892.D

Acq: 08 Dec 2022 18:27

Instrument :

BNA_M

ClientSampleId :

DBXL1

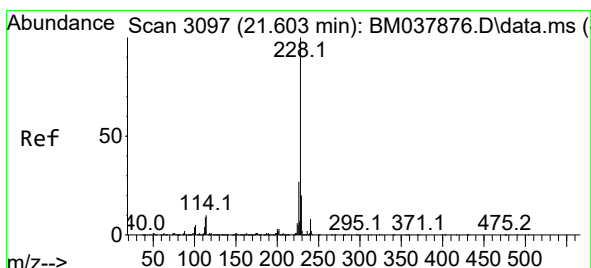
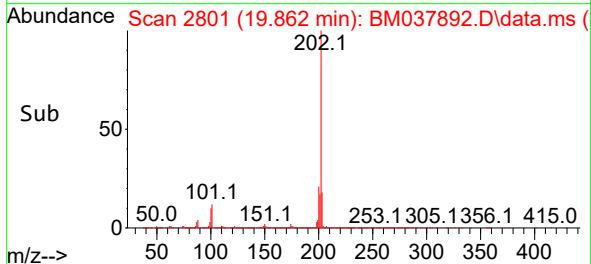
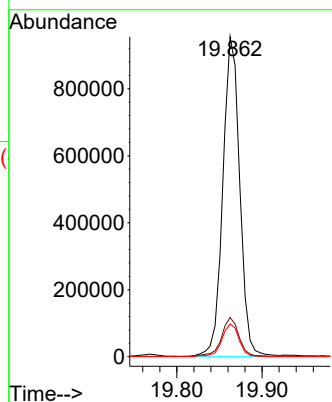
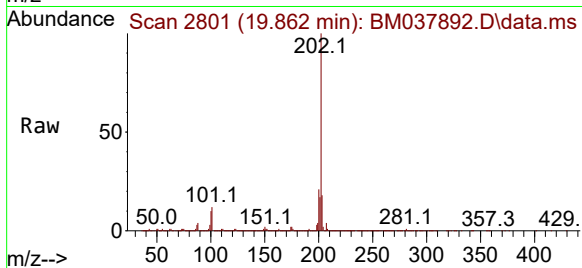
Tgt Ion:202 Resp: 1315081

Ion Ratio Lower Upper

202 100

101 12.2 10.0 15.0

100 10.3 7.9 11.9



#85

Benzo(a)anthracene

Concen: 4.463 ng/ul

RT: 21.603 min Scan# 3097

Delta R.T. -0.006 min

Lab File: BM037892.D

Acq: 08 Dec 2022 18:27

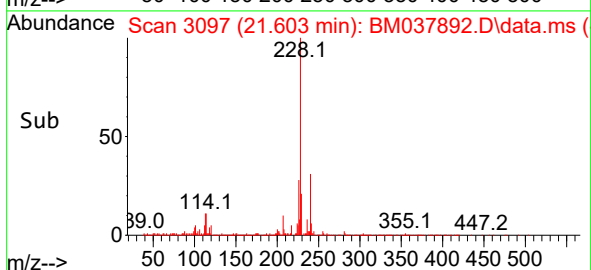
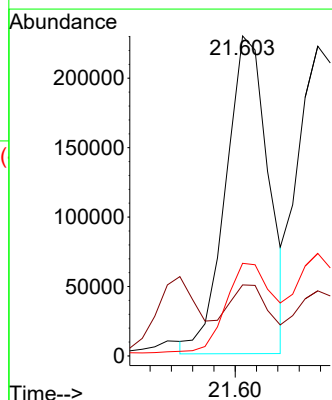
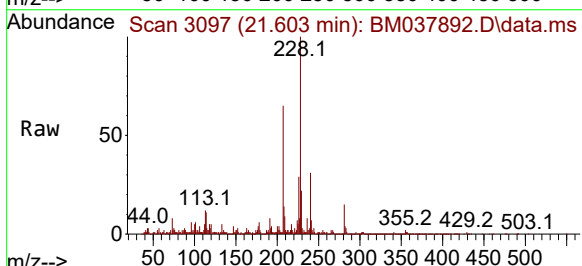
Tgt Ion:228 Resp: 320075

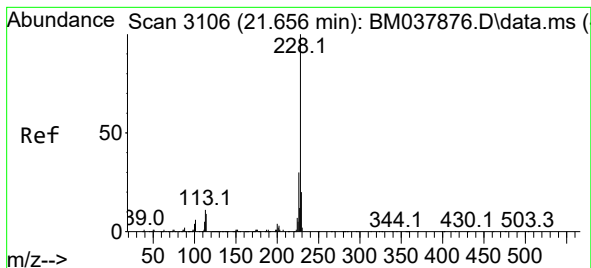
Ion Ratio Lower Upper

228 100

229 22.2 15.5 23.3

226 28.9 21.8 32.8





#87

Chrysene

Concen: 6.181 ng/ul

RT: 21.662 min Scan# 3107

Delta R.T. 0.000 min

Lab File: BM037892.D

Acq: 08 Dec 2022 18:27

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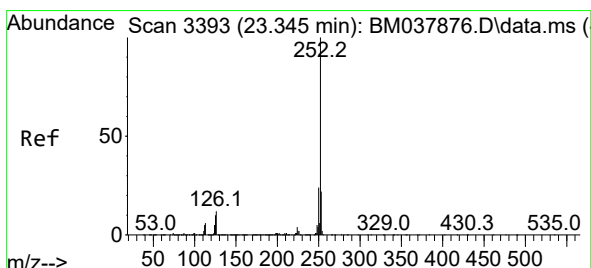
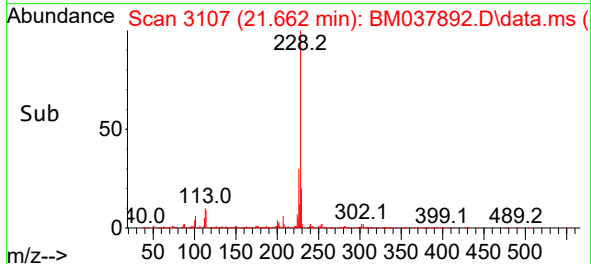
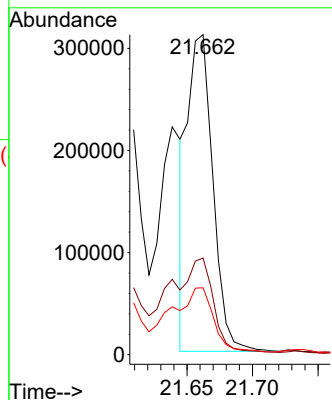
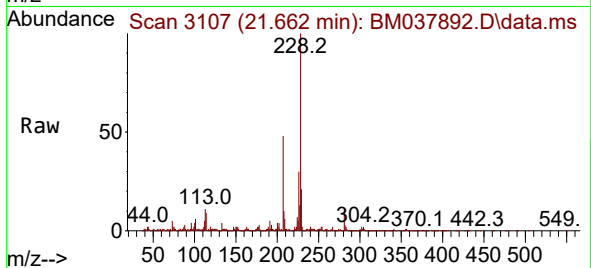
Tgt Ion:228 Resp: 415977

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 20.9 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 22.657 ng/ul

RT: 23.350 min Scan# 3394

Delta R.T. 0.006 min

Lab File: BM037892.D

Acq: 08 Dec 2022 18:27

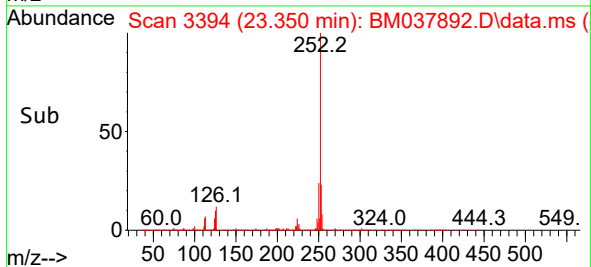
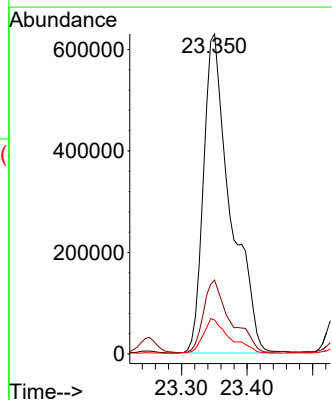
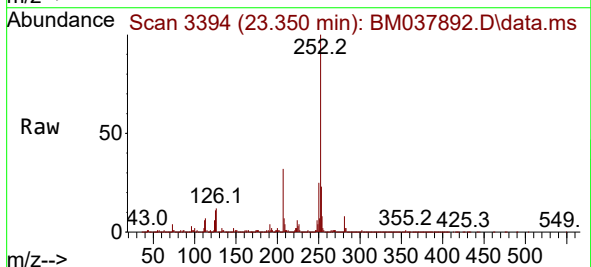
Tgt Ion:252 Resp: 1796822

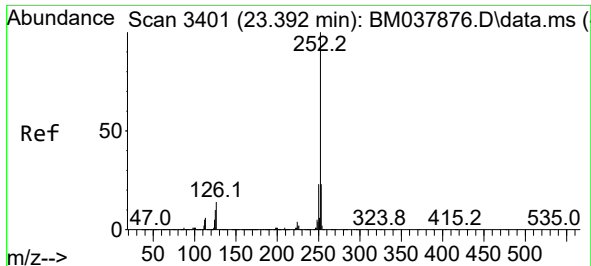
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 10.6 8.0 12.0

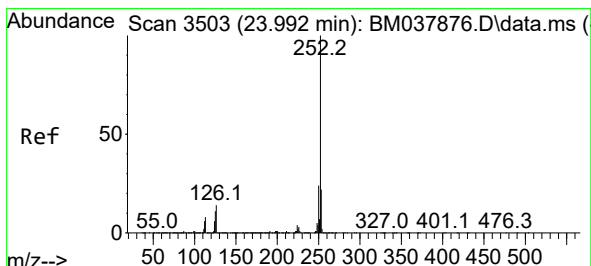
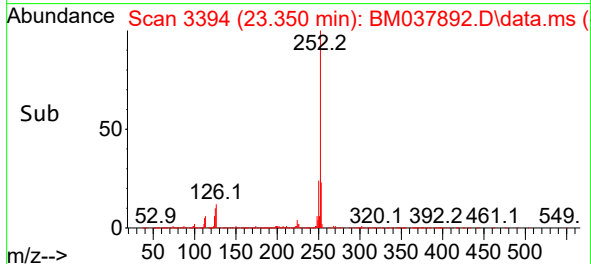
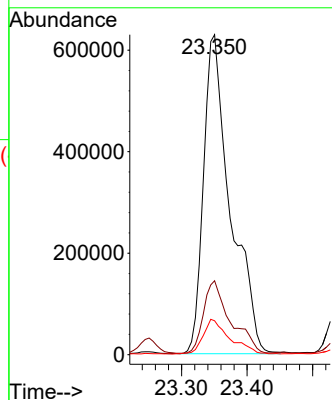
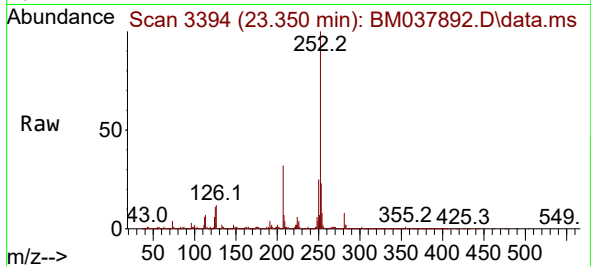




#91
Benzo(k)fluoranthene
Concen: 23.378 ng/ul
RT: 23.350 min Scan# 31
Delta R.T. -0.047 min
Lab File: BM037892.D
Acq: 08 Dec 2022 18:27

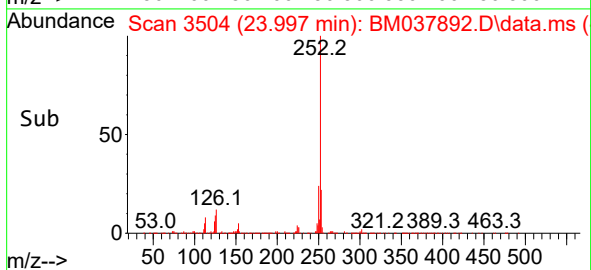
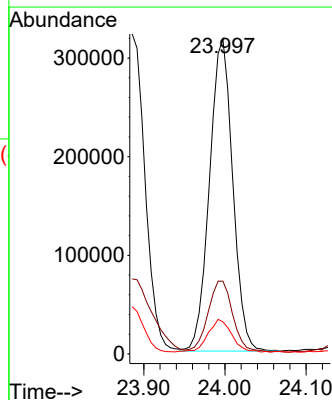
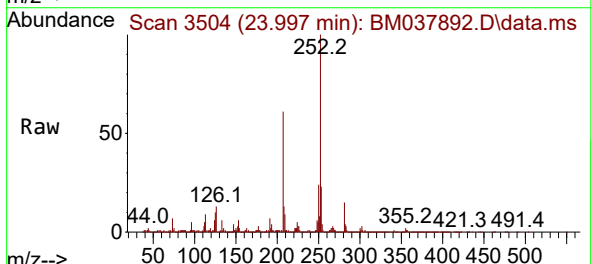
Instrument :
BNA_M
ClientSampleId :
DBXL1

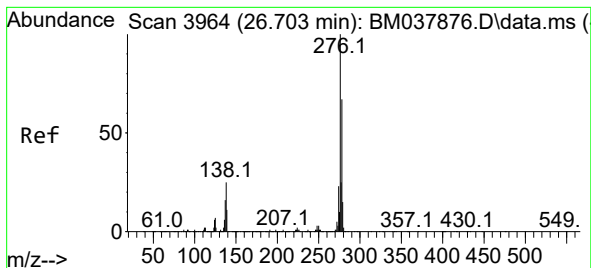
Tgt Ion:252 Resp: 1796822
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 10.6 8.1 12.1



#93
Benzo(a)pyrene
Concen: 9.029 ng/ul
RT: 23.997 min Scan# 3504
Delta R.T. 0.000 min
Lab File: BM037892.D
Acq: 08 Dec 2022 18:27

Tgt Ion:252 Resp: 629648
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 10.2 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.335 ng/ul

RT: 26.703 min Scan# 3964

Delta R.T. -0.006 min

Lab File: BM037892.D

Acq: 08 Dec 2022 18:27

Instrument :

BNA_M

ClientSampleId :

DBXL1

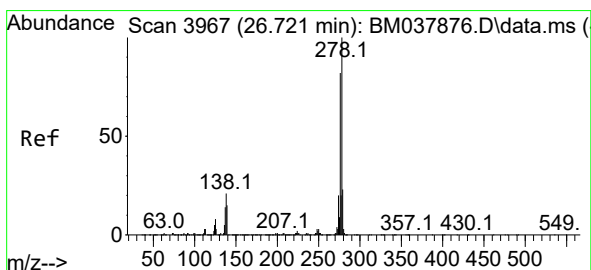
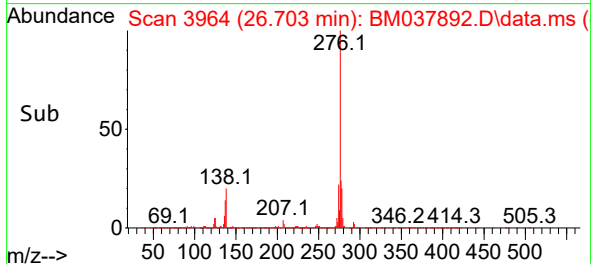
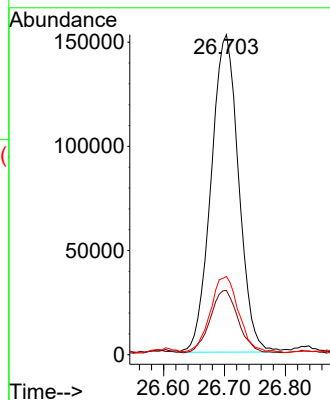
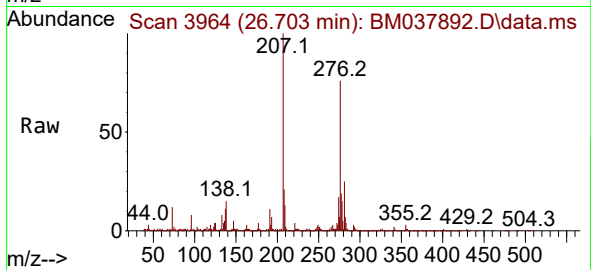
Tgt Ion:276 Resp: 479202

Ion Ratio Lower Upper

276 100

138 20.1 19.3 28.9

277 24.5 19.8 29.8



#95

Dibenzo(a,h)anthracene

Concen: 1.566 ng/ul

RT: 26.709 min Scan# 3965

Delta R.T. -0.018 min

Lab File: BM037892.D

Acq: 08 Dec 2022 18:27

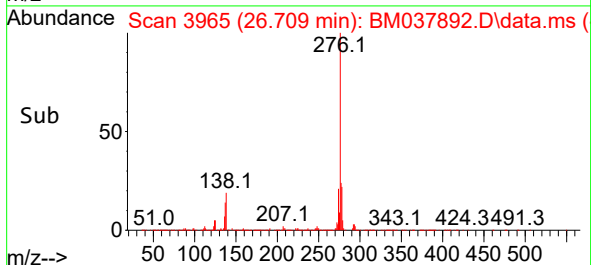
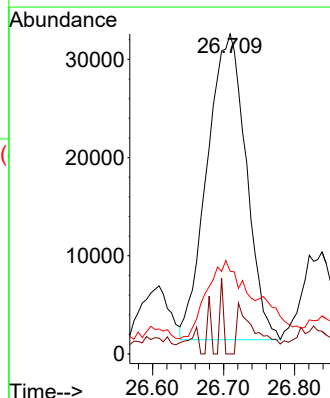
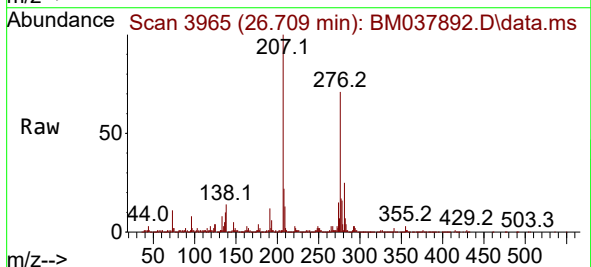
Tgt Ion:278 Resp: 118540

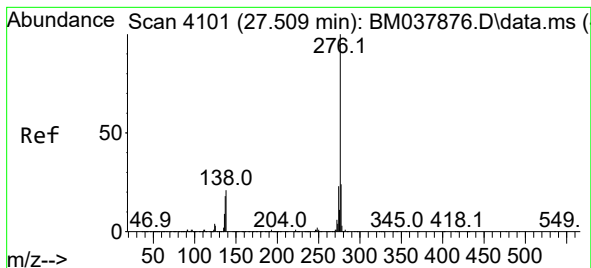
Ion Ratio Lower Upper

278 100

139 0.0 12.4 18.6#

279 25.9 19.8 29.6





#96

Benzo(g,h,i)perylene

Concen: 5.080 ng/ul

RT: 27.503 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM037892.D

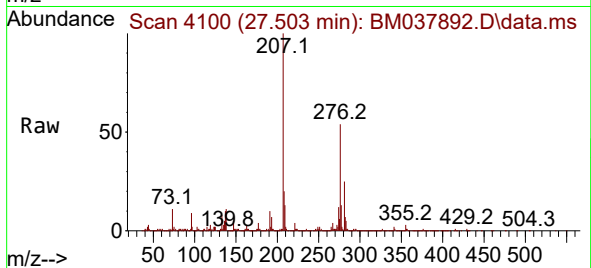
Acq: 08 Dec 2022 18:27

Instrument :

BNA_M

ClientSampleId :

DBXL1



Tgt Ion:276 Resp: 364272

Ion Ratio Lower Upper

276 100

138 21.2 17.1 25.7

277 24.4 18.2 27.4

