

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120822\
 Data File : BM037886.D
 Acq On : 08 Dec 2022 14:45
 Operator : CG/JU
 Sample : N5832-20 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 08 22:39:11 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	316509	20.000	ng/ul	0.00
20) Naphthalene-d8	10.910	136	1298063	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.722	164	750471	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.468	188	1295617	20.000	ng/ul	0.01
79) Chrysene-d12	21.639	240	837741	20.000	ng/ul	0.01
88) Perylene-d12	24.121	264	1043291	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	1894	0.272	ng/uL	0.00
4) Pyridine-d5	3.887	84	16352	0.791	ng/ul	0.02
7) Phenol-d5	7.240	99	52063	2.024	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.410	67	29240	1.867	ng/ul	0.00
11) 2-Chlorophenol-d4	7.616	132	42837	2.030	ng/ul	0.00
15) 4-Methylphenol-d8	8.798	113	42940	2.139	ng/ul	0.00
21) Nitrobenzene-d5	9.263	128	21247	2.067	ng/ul	0.00
24) 2-Nitrophenol-d4	9.987	143	22665	2.104	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.528	165	42165	2.061	ng/ul	0.00
31) 4-Chloroaniline-d4	11.045	131	36603	1.296	ng/ul	0.00
46) Dimethylphthalate-d6	14.127	166	134635	2.516	ng/ul	0.00
49) Acenaphthylene-d8	14.416	160	149373	2.284	ng/ul	0.00
54) 4-Nitrophenol-d4	14.922	143	16811	1.844	ng/ul	0.01
60) Fluorene-d10	15.710	176	118962	2.496	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.845	200	6552	0.946	ng/ul	0.02
73) Anthracene-d10	17.580	188	134055	2.217	ng/ul	0.02
81) Pyrene-d10	19.845	212	131424	2.612	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.962	264	126662	2.431	ng/ul	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.963	128	1558742	22.252	ng/ul	100
36) 2-Methylnaphthalene	12.557	142	1473653	32.435	ng/ul	96
37) 1-Methylnaphthalene	12.775	142	1006739	21.670	ng/ul	99
43) 1,1'-Biphenyl	13.557	154	1053481	17.464	ng/ul	98
50) Acenaphthylene	14.445	152	448184	6.233	ng/ul#	95
52) Acenaphthene	14.792	153	8214100	165.163	ng/ul	100
56) Dibenzofuran	15.122	168	9745648	143.530	ng/ul	91
61) Fluorene	15.780	166	12880473	232.609	ng/ul	100
63) 4-Nitroaniline	15.780	138	155179	16.729	ng/ul#	27
66) 4,6-Dinitro-2-methylph...	15.839	198	7907	1.179	ng/ul#	1
67) N-Nitrosodiphenylamine	15.969	169	81741	2.092	ng/ul#	1
71) Pentachlorophenol	17.127	266	18169	1.928	ng/ul	99
72) Phenanthrene	17.615	178	3856186	54.502	ng/ul#	91
74) Anthracene	17.615	178	3856186	53.630	ng/ul#	90
77) Carbazole	17.892	167	16886980	271.078	ng/ul#	94
80) Fluoranthene	19.662	202	95966	1.616	ng/ul	99
82) Pyrene	19.886	202	18864308	305.196	ng/ul	96
85) Benzo(a)anthracene	21.621	228	6056334	107.382	ng/ul	98
87) Chrysene	21.680	228	6925402	130.873	ng/ul	98
90) Benzo(b)fluoranthene	23.368	252	6210760	96.023	ng/ul	98
91) Benzo(k)fluoranthene	23.368	252	6210760	99.079	ng/ul	98
93) Benzo(a)pyrene	24.015	252	2812548	49.449	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.721	276	1432266	19.552	ng/ul	97
95) Dibenzo(a,h)anthracene	26.727	278	398716	6.457	ng/ul#	94

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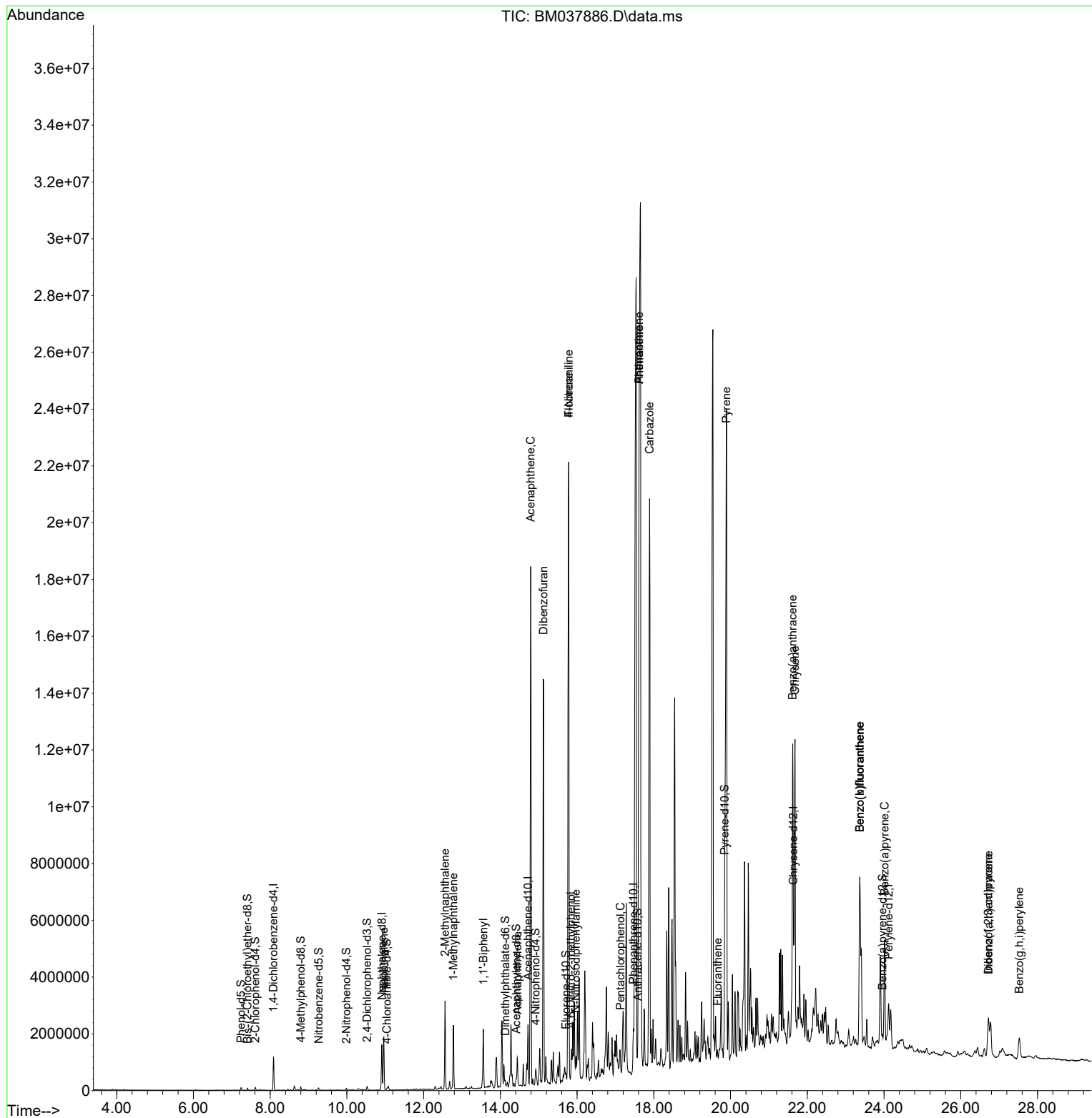
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo(g,h,i)perylene	27.527	276	1006662	17.212	ng/ul	99

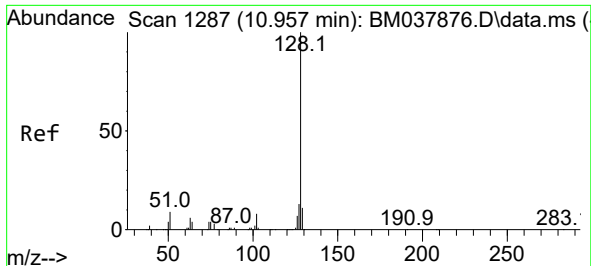
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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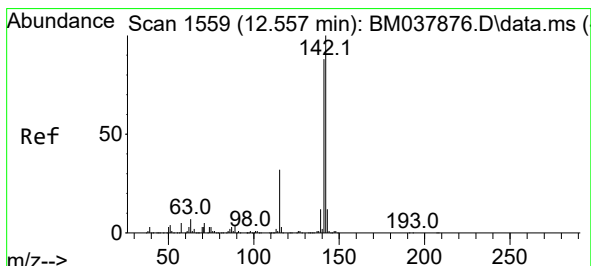
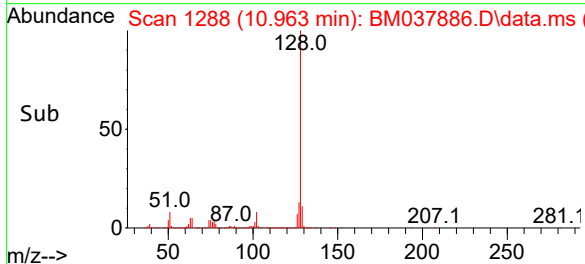
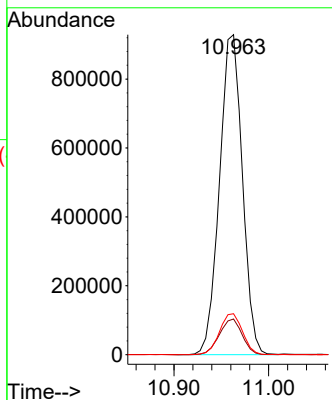
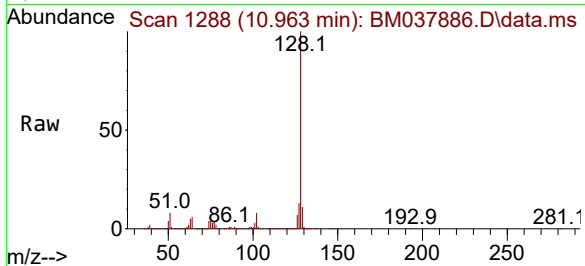




#30
Naphthalene
Concen: 22.252 ng/ul
RT: 10.963 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BM037886.D
Acq: 08 Dec 2022 14:45

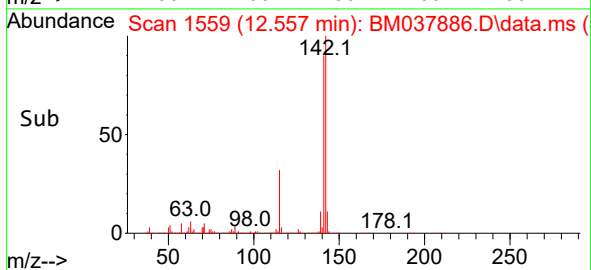
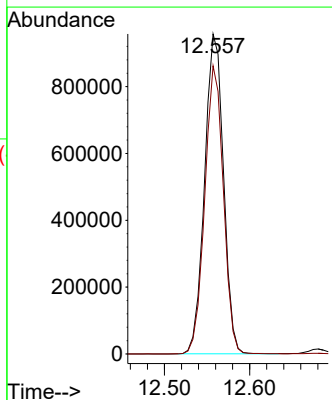
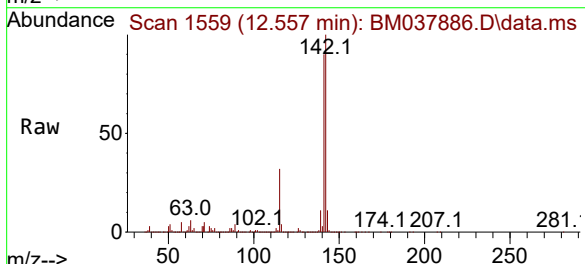
Instrument :
BNA_M
ClientSampleId :

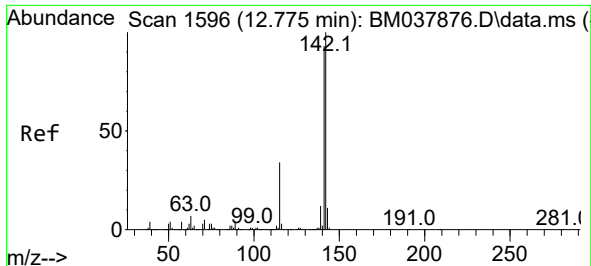
Tgt Ion:128 Resp: 1558742
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 12.8 10.4 15.6



#36
2-Methylnaphthalene
Concen: 32.435 ng/ul
RT: 12.557 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BM037886.D
Acq: 08 Dec 2022 14:45

Tgt Ion:142 Resp: 1473653
Ion Ratio Lower Upper
142 100
141 90.0 69.4 104.0





#37

1-Methylnaphthalene

Concen: 21.670 ng/ul

RT: 12.775 min Scan# 1

Delta R.T. 0.000 min

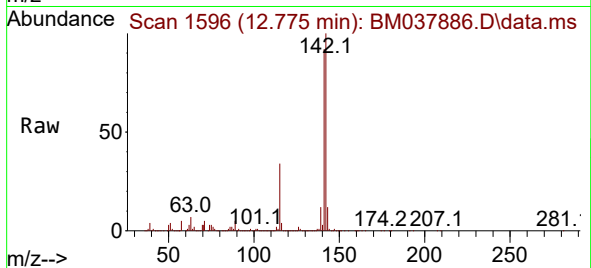
Lab File: BM037886.D

Acq: 08 Dec 2022 14:45

Instrument :

BNA_M

ClientSampleId :



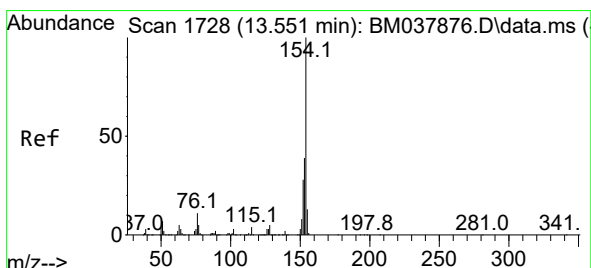
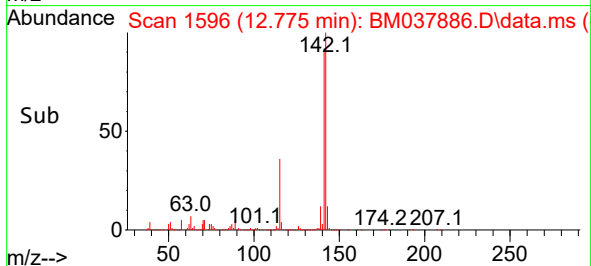
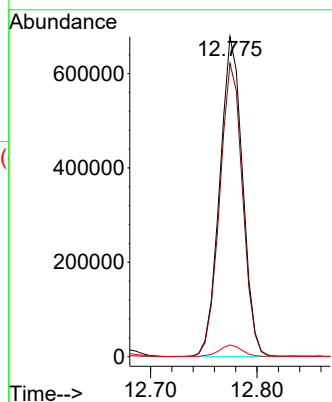
Tgt Ion:142 Resp: 1006739

Ion Ratio Lower Upper

142 100

141 91.6 72.4 108.6

116 3.6 2.9 4.3



#43

1,1'-Biphenyl

Concen: 17.464 ng/ul

RT: 13.557 min Scan# 1729

Delta R.T. 0.000 min

Lab File: BM037886.D

Acq: 08 Dec 2022 14:45

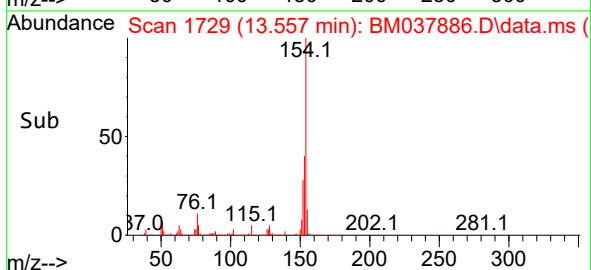
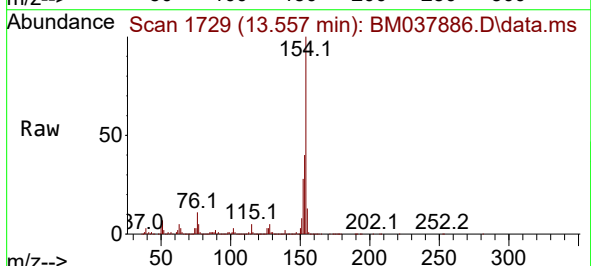
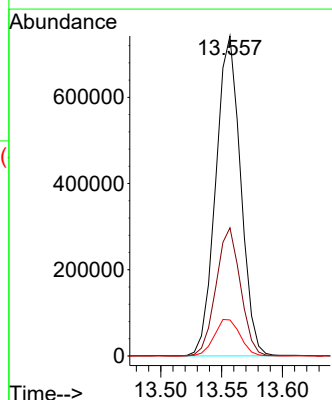
Tgt Ion:154 Resp: 1053481

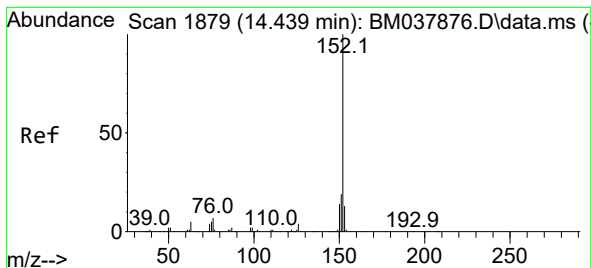
Ion Ratio Lower Upper

154 100

153 40.1 31.2 46.8

76 11.2 9.3 13.9





#50

Acenaphthylene

Concen: 6.233 ng/ul

RT: 14.445 min Scan# 1880

Delta R.T. 0.000 min

Lab File: BM037886.D

Acq: 08 Dec 2022 14:45

Instrument :

BNA_M

ClientSampleId :

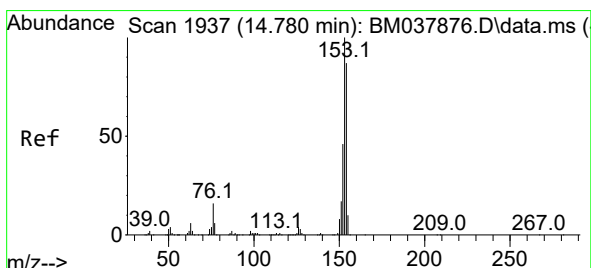
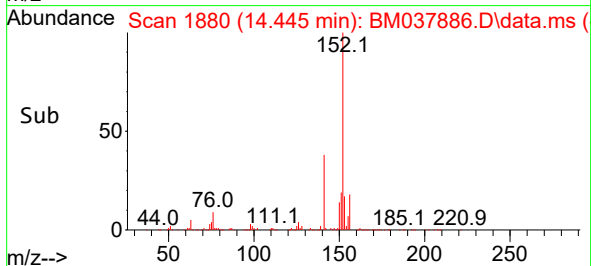
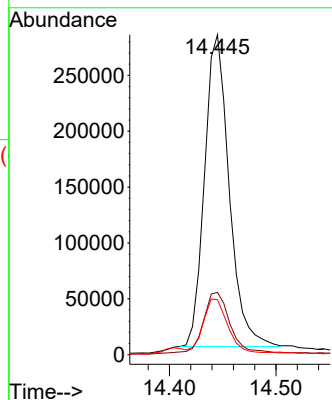
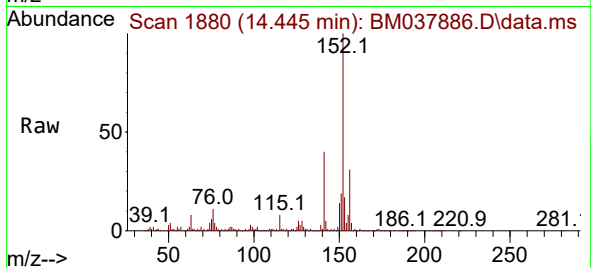
Tgt Ion:152 Resp: 448184

Ion Ratio Lower Upper

152 100

151 19.5 15.3 22.9

153 17.2 10.2 15.4#



#52

Acenaphthene

Concen: 165.163 ng/ul

RT: 14.792 min Scan# 1939

Delta R.T. 0.012 min

Lab File: BM037886.D

Acq: 08 Dec 2022 14:45

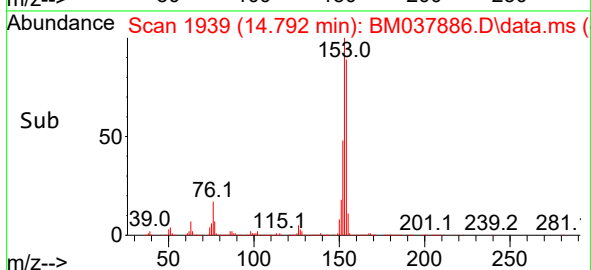
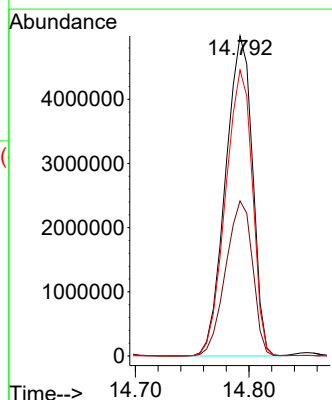
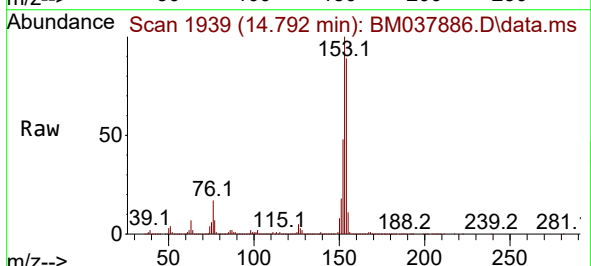
Tgt Ion:153 Resp: 8214100

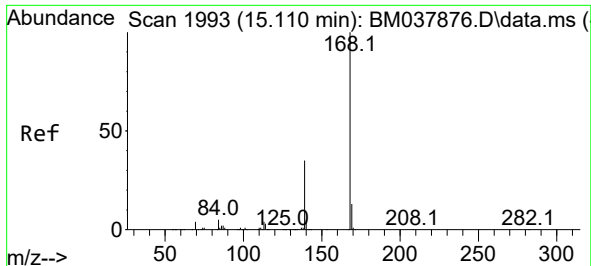
Ion Ratio Lower Upper

153 100

152 48.4 38.2 57.4

154 89.4 71.4 107.0

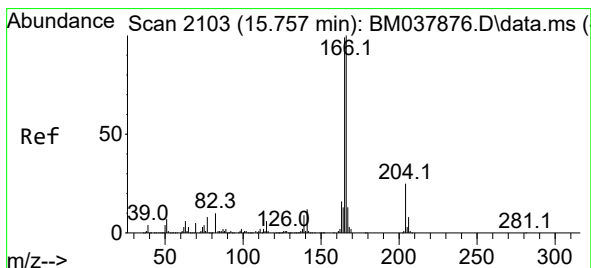
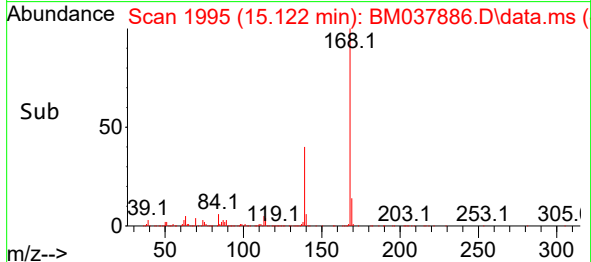
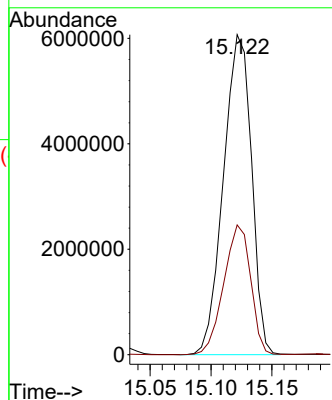
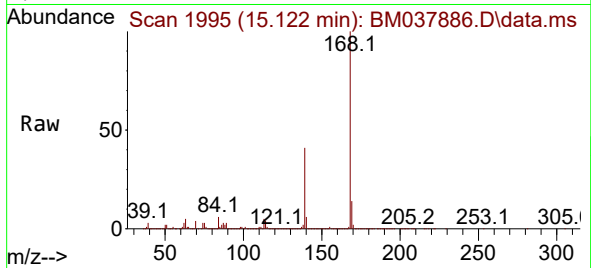




#56
Dibenzofuran
Concen: 143.530 ng/ul
RT: 15.122 min Scan# 1995
Delta R.T. 0.006 min
Lab File: BM037886.D
Acq: 08 Dec 2022 14:45

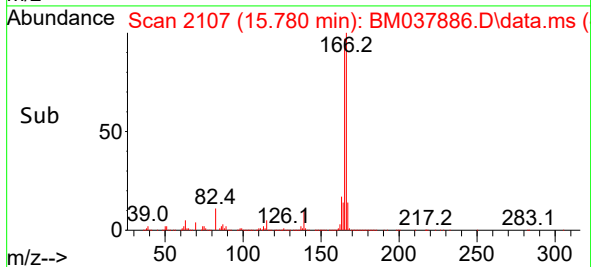
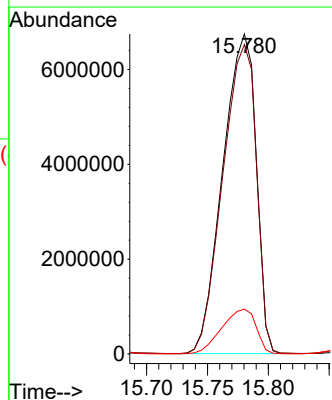
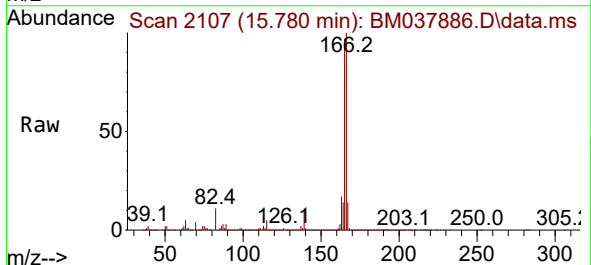
Instrument :
BNA_M
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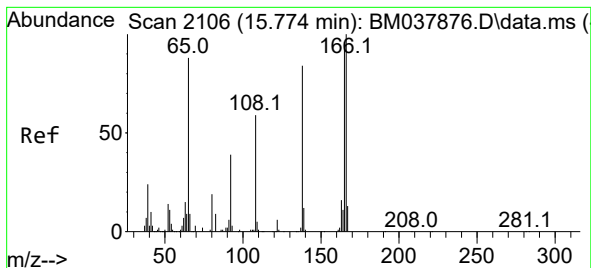
Tgt Ion:168 Resp: 9745648
Ion Ratio Lower Upper
168 100
139 40.6 28.1 42.1



#61
Fluorene
Concen: 232.609 ng/ul
RT: 15.780 min Scan# 2107
Delta R.T. 0.018 min
Lab File: BM037886.D
Acq: 08 Dec 2022 14:45

Tgt Ion:166 Resp:12880473
Ion Ratio Lower Upper
166 100
165 96.7 77.2 115.8
167 14.0 10.4 15.6

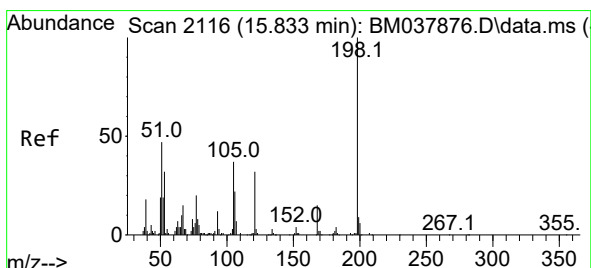
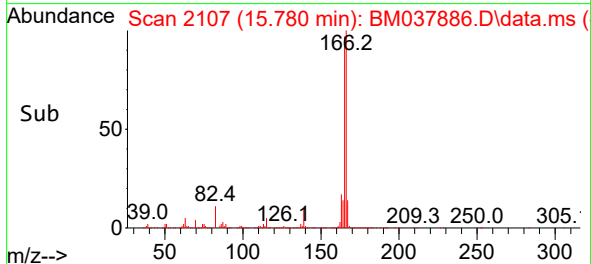
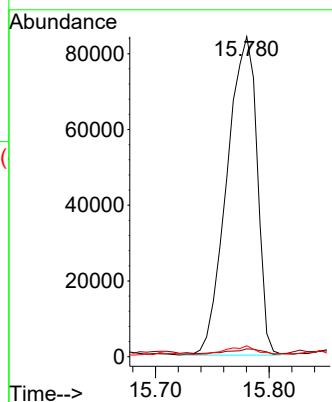
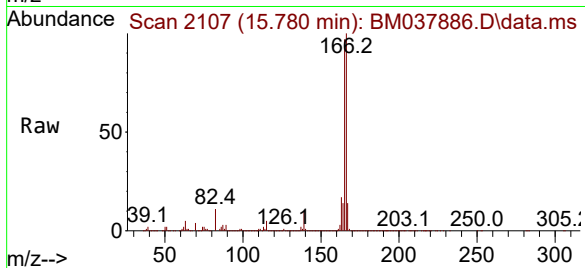




#63
4-Nitroaniline
Concen: 16.729 ng/ul
RT: 15.780 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BM037886.D
Acq: 08 Dec 2022 14:45

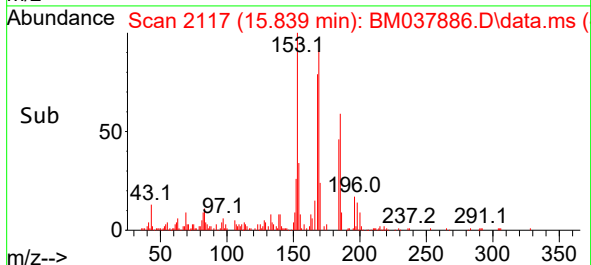
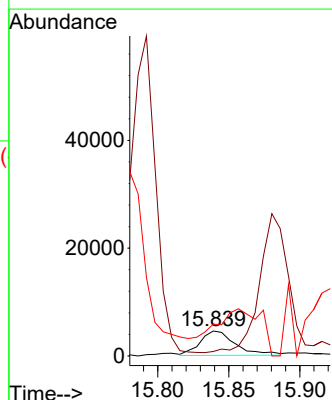
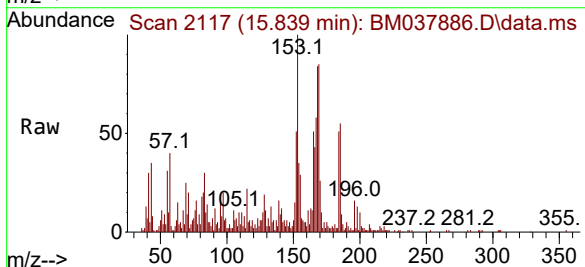
Instrument :
BNA_M
ClientSampleId :

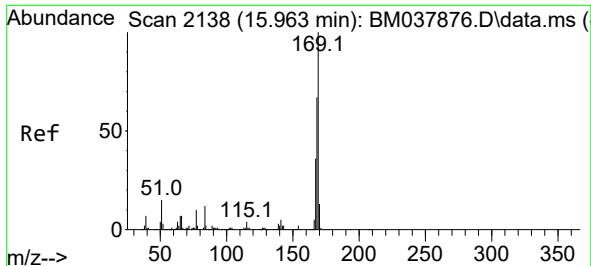
Tgt Ion:138 Resp: 155179
Ion Ratio Lower Upper
138 100
92 2.4 36.1 54.1#
108 3.4 51.6 77.4#



#66
4,6-Dinitro-2-methylphenol
Concen: 1.179 ng/ul
RT: 15.839 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BM037886.D
Acq: 08 Dec 2022 14:45

Tgt Ion:198 Resp: 7907
Ion Ratio Lower Upper
198 100
182 18.2 3.8 5.8#
77 127.1 19.3 28.9#





#67

N-Nitrosodiphenylamine

Concen: 2.092 ng/ul

RT: 15.969 min Scan# 2138

Delta R.T. 0.006 min

Lab File: BM037886.D

Acq: 08 Dec 2022 14:45

Instrument :

BNA_M

ClientSampleId :

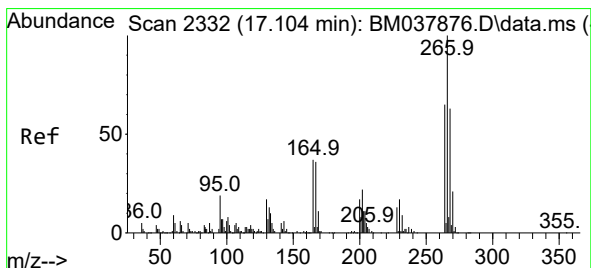
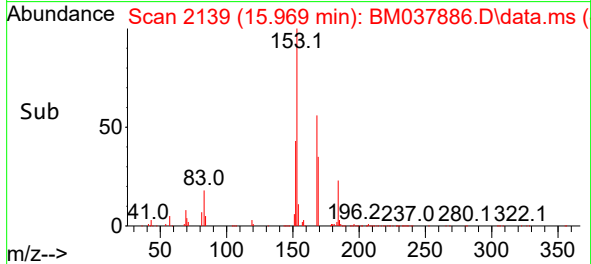
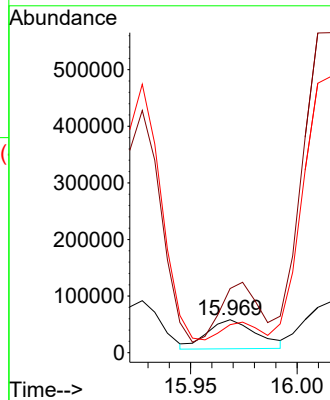
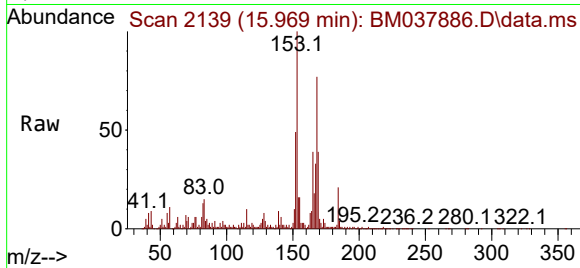
Tgt Ion:169 Resp: 81741

Ion Ratio Lower Upper

169 100

168 194.6 53.8 80.8#

167 84.9 29.3 43.9#



#71

Pentachlorophenol

Concen: 1.928 ng/ul

RT: 17.127 min Scan# 2336

Delta R.T. 0.024 min

Lab File: BM037886.D

Acq: 08 Dec 2022 14:45

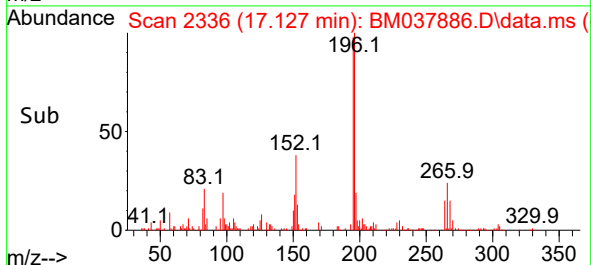
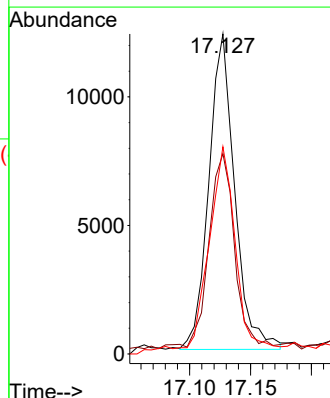
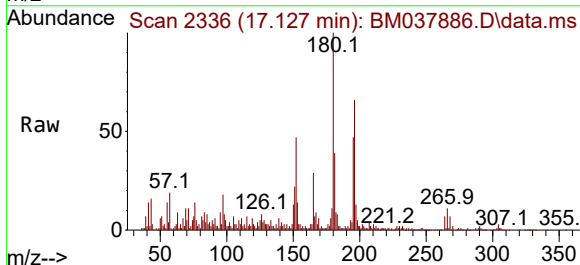
Tgt Ion:266 Resp: 18169

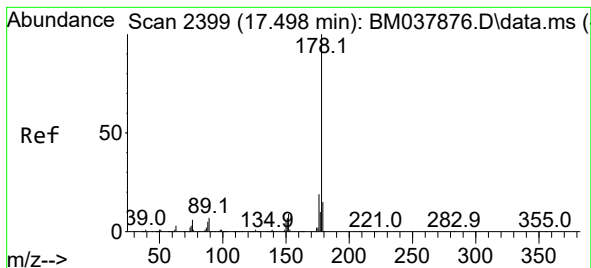
Ion Ratio Lower Upper

266 100

264 62.6 50.1 75.1

268 64.8 50.6 75.8





#72

Phenanthrene

Concen: 54.502 ng/ul

RT: 17.615 min Scan# 2419

Delta R.T. 0.118 min

Lab File: BM037886.D

Acq: 08 Dec 2022 14:45

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ClientSampleId :

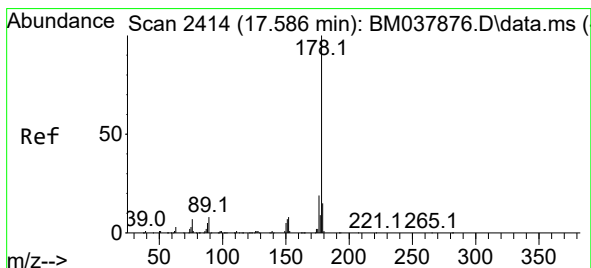
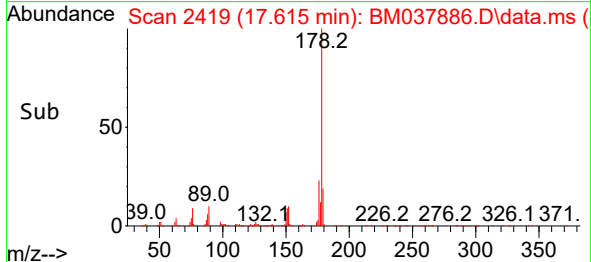
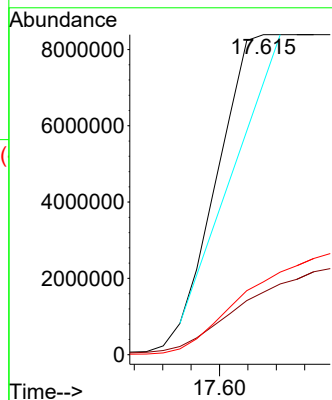
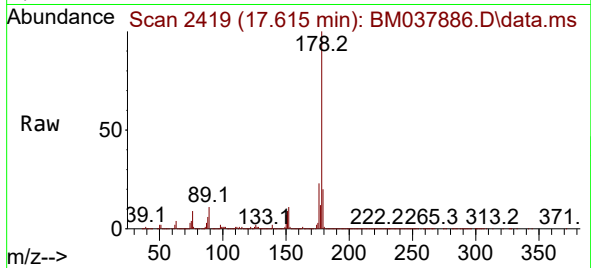
Tgt Ion:178 Resp: 3856186

Ion Ratio Lower Upper

178 100

179 19.5 12.2 18.2#

176 22.8 15.4 23.0



#74

Anthracene

Concen: 53.630 ng/ul

RT: 17.615 min Scan# 2419

Delta R.T. 0.024 min

Lab File: BM037886.D

Acq: 08 Dec 2022 14:45

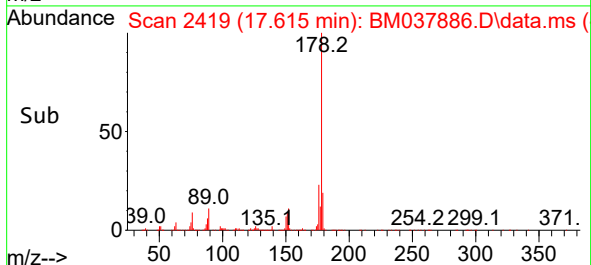
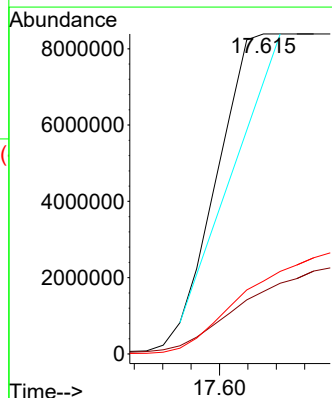
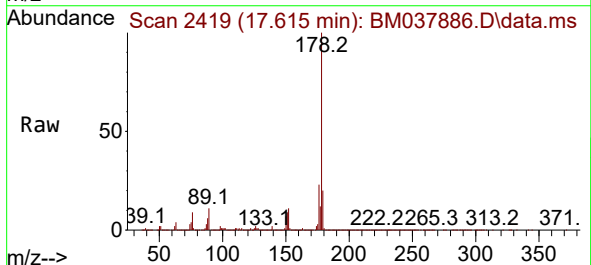
Tgt Ion:178 Resp: 3856186

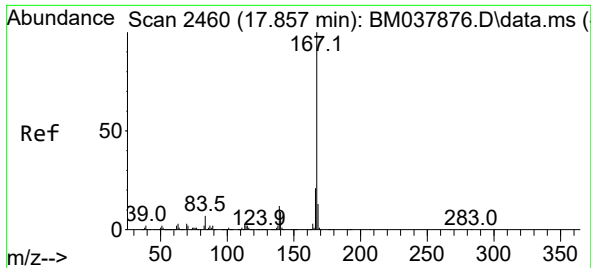
Ion Ratio Lower Upper

178 100

179 19.5 11.8 17.8#

176 22.8 15.0 22.6#

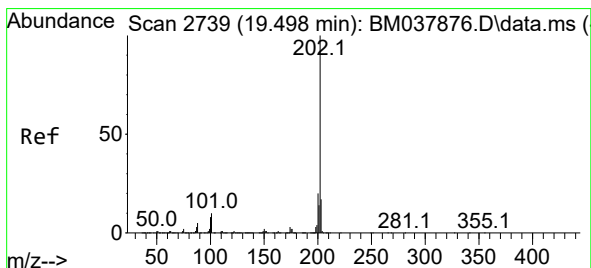
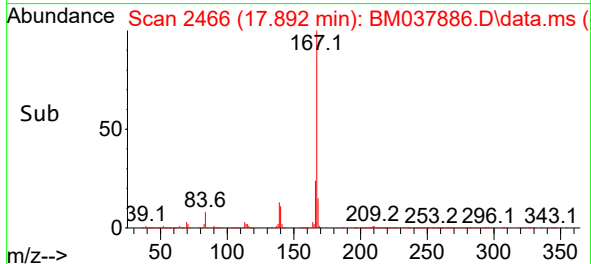
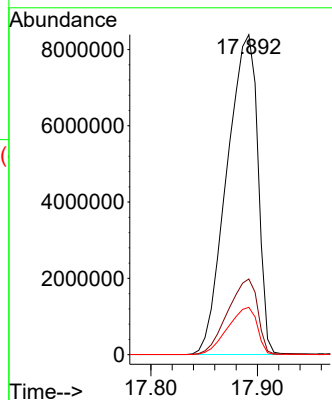
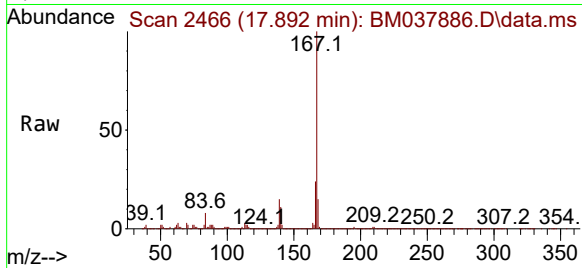




#77
 Carbazole
 Concen: 271.078 ng/ul
 RT: 17.892 min Scan# 2466
 Delta R.T. 0.035 min
 Lab File: BM037886.D
 Acq: 08 Dec 2022 14:45

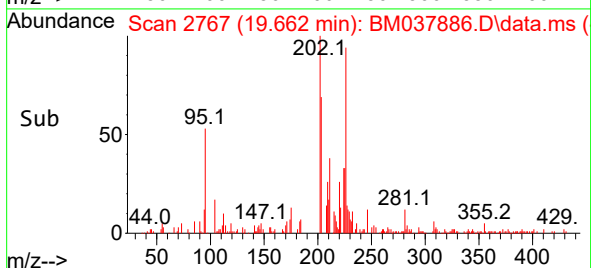
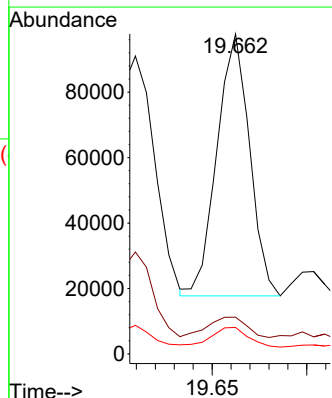
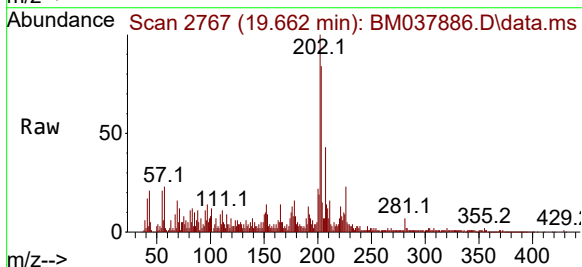
Instrument :
 BNA_M
 ClientSampleId :

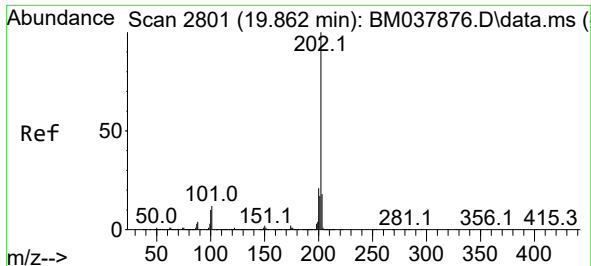
Tgt Ion:167 Resp:16886980
 Ion Ratio Lower Upper
 167 100
 166 23.6 16.7 25.1
 139 14.8 9.8 14.6#



#80
 Fluoranthene
 Concen: 1.616 ng/ul
 RT: 19.662 min Scan# 2767
 Delta R.T. 0.159 min
 Lab File: BM037886.D
 Acq: 08 Dec 2022 14:45

Tgt Ion:202 Resp: 95966
 Ion Ratio Lower Upper
 202 100
 101 11.5 8.6 13.0
 100 8.3 6.6 10.0

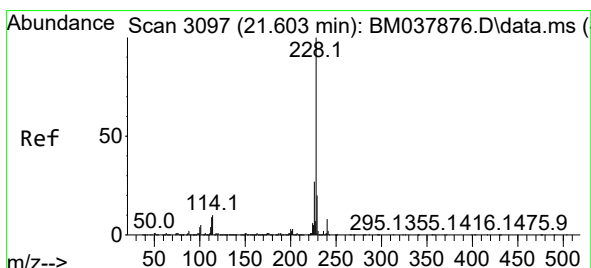
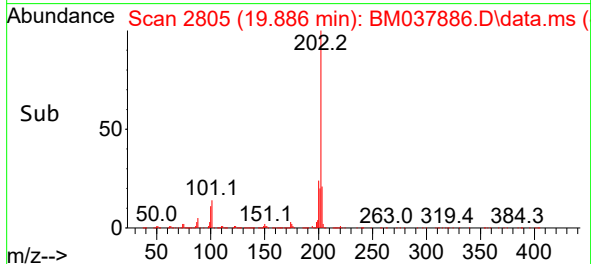
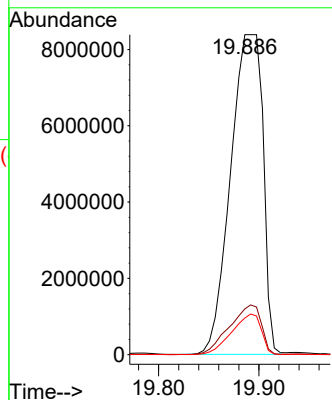
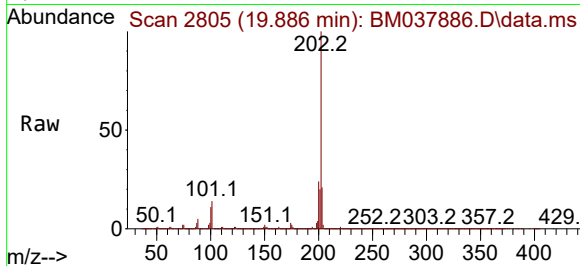




#82
Pyrene
Concen: 305.196 ng/ul
RT: 19.886 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM037886.D
Acq: 08 Dec 2022 14:45

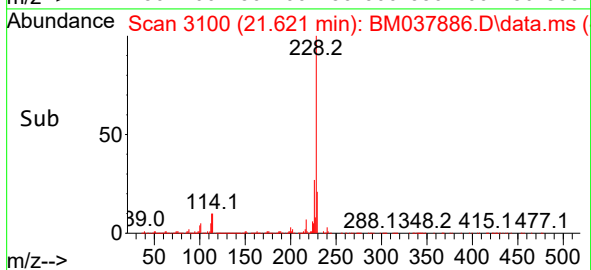
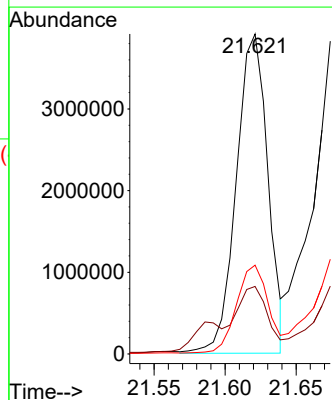
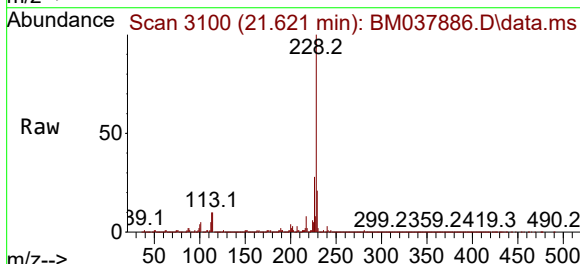
Instrument :
BNA_M
ClientSampleId :

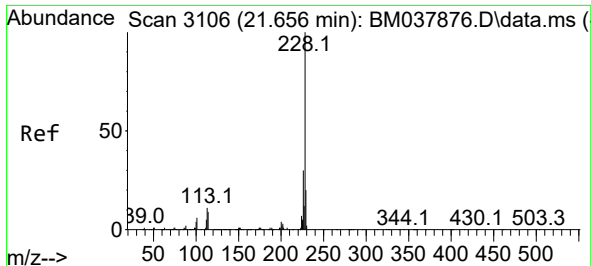
Tgt Ion:202 Resp:18864308
Ion Ratio Lower Upper
202 100
101 14.3 10.0 15.0
100 11.4 7.9 11.9



#85
Benzo(a)anthracene
Concen: 107.382 ng/ul
RT: 21.621 min Scan# 3100
Delta R.T. 0.012 min
Lab File: BM037886.D
Acq: 08 Dec 2022 14:45

Tgt Ion:228 Resp: 6056334
Ion Ratio Lower Upper
228 100
229 21.1 15.5 23.3
226 27.7 21.8 32.8

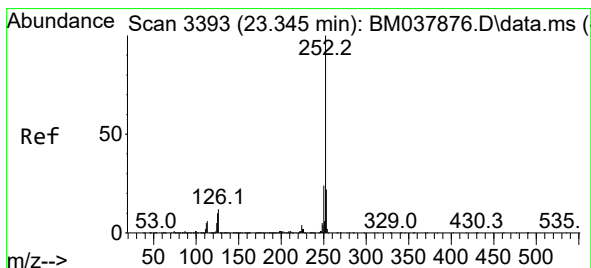
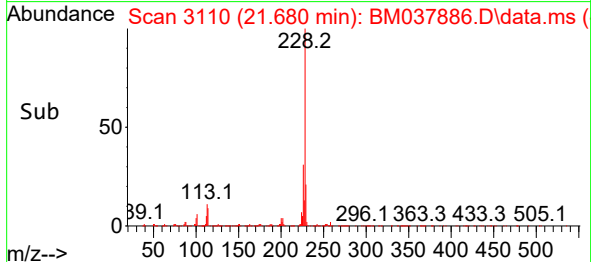
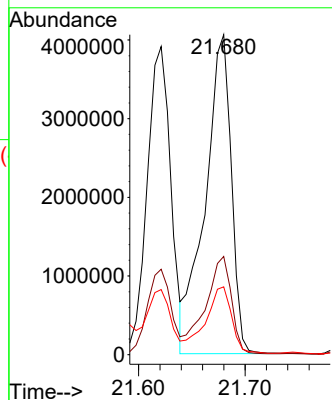
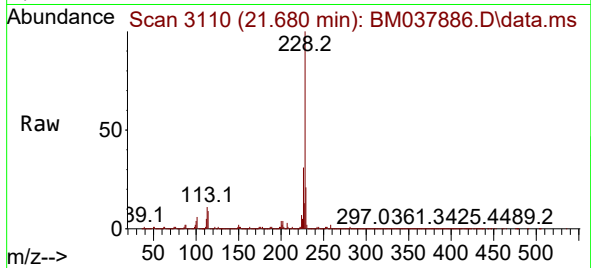




#87
Chrysene
Concen: 130.873 ng/ul
RT: 21.680 min Scan# 3106
Delta R.T. 0.018 min
Lab File: BM037886.D
Acq: 08 Dec 2022 14:45

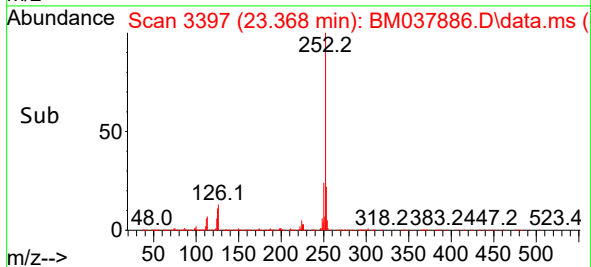
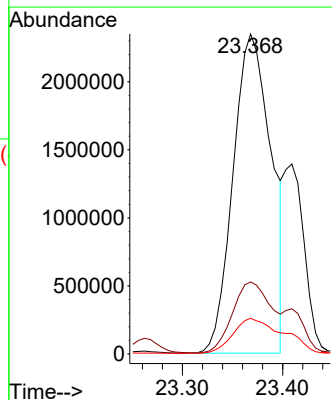
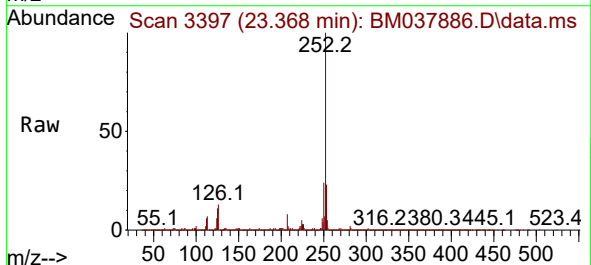
Instrument :
BNA_M
ClientSampleId :

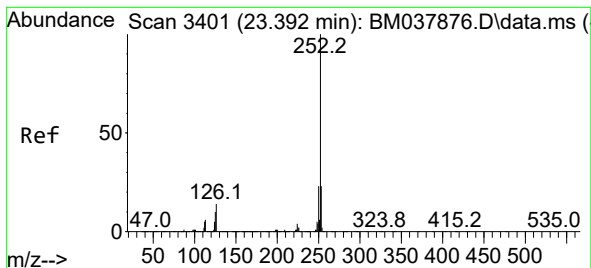
Tgt Ion:228 Resp: 6925402
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 21.2 15.6 23.4



#90
Benzo(b)fluoranthene
Concen: 96.023 ng/ul
RT: 23.368 min Scan# 3397
Delta R.T. 0.024 min
Lab File: BM037886.D
Acq: 08 Dec 2022 14:45

Tgt Ion:252 Resp: 6210760
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 11.1 8.0 12.0





#91

Benzo(k)fluoranthene

Concen: 99.079 ng/ul

RT: 23.368 min Scan# 31

Delta R.T. -0.029 min

Lab File: BM037886.D

Acq: 08 Dec 2022 14:45

Instrument :

BNA_M

ClientSampleId :

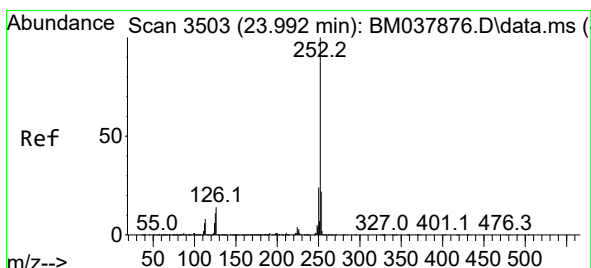
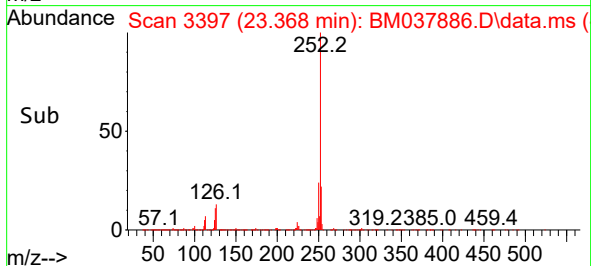
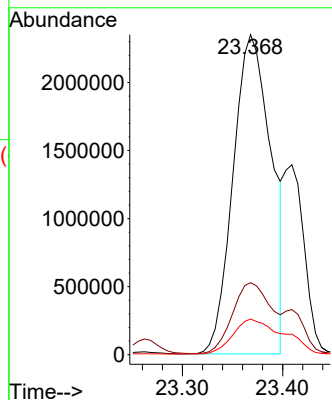
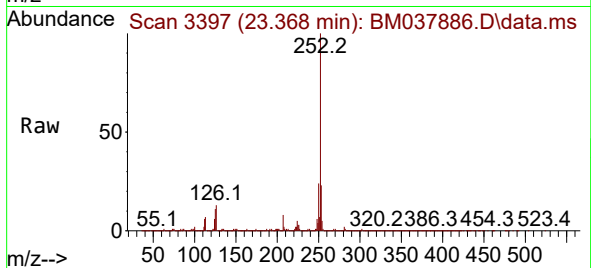
Tgt Ion:252 Resp: 6210760

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

125 11.1 8.1 12.1



#93

Benzo(a)pyrene

Concen: 49.449 ng/ul

RT: 24.015 min Scan# 3507

Delta R.T. 0.018 min

Lab File: BM037886.D

Acq: 08 Dec 2022 14:45

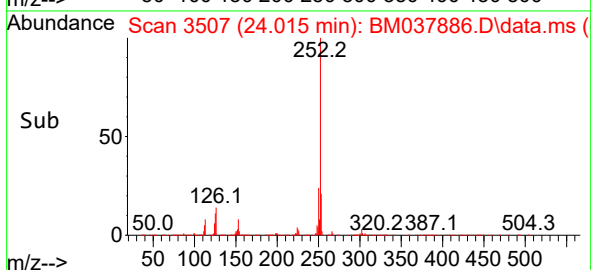
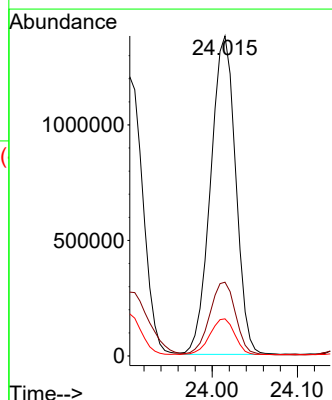
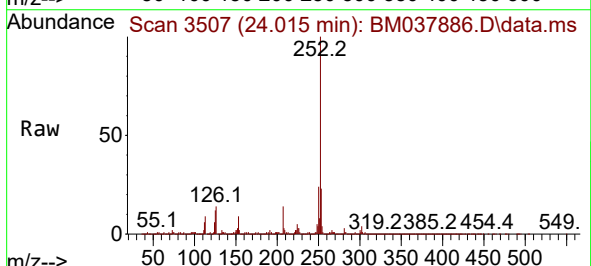
Tgt Ion:252 Resp: 2812548

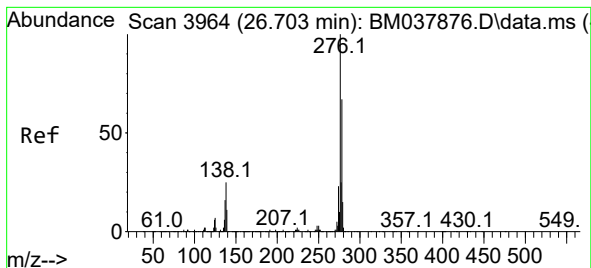
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 11.6 9.4 14.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 19.552 ng/ul

RT: 26.721 min Scan# 3967

Delta R.T. 0.012 min

Lab File: BM037886.D

Acq: 08 Dec 2022 14:45

Instrument :

BNA_M

ClientSampleId :

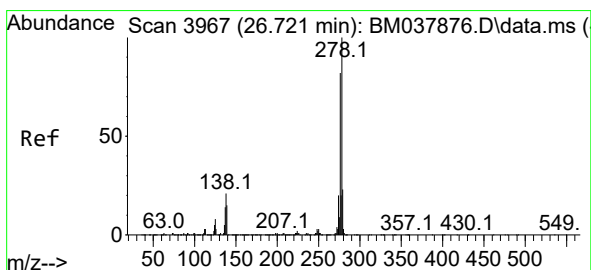
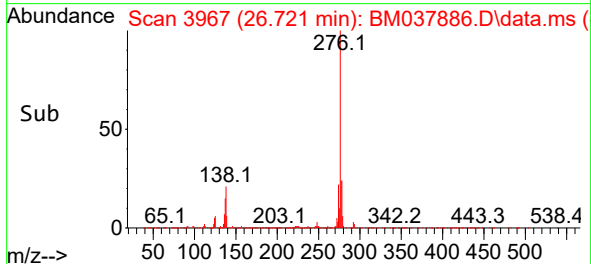
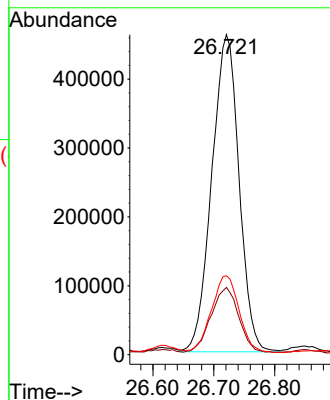
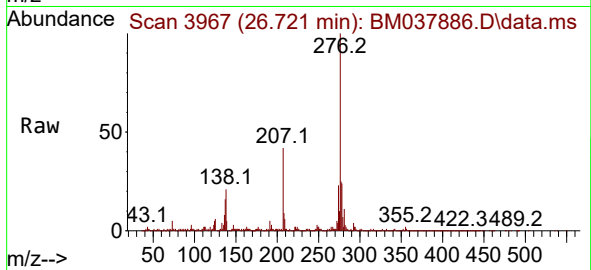
Tgt Ion:276 Resp: 1432266

Ion Ratio Lower Upper

276 100

138 21.0 19.3 28.9

277 24.7 19.8 29.8



#95

Dibenzo(a,h)anthracene

Concen: 6.457 ng/ul

RT: 26.727 min Scan# 3968

Delta R.T. 0.000 min

Lab File: BM037886.D

Acq: 08 Dec 2022 14:45

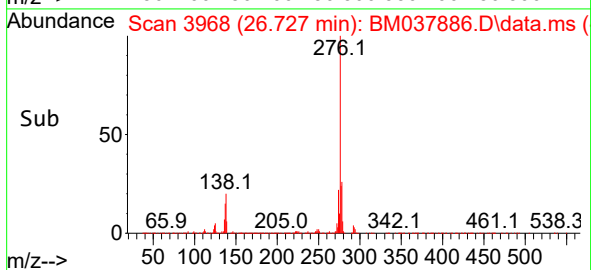
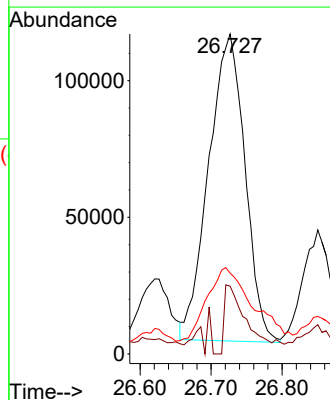
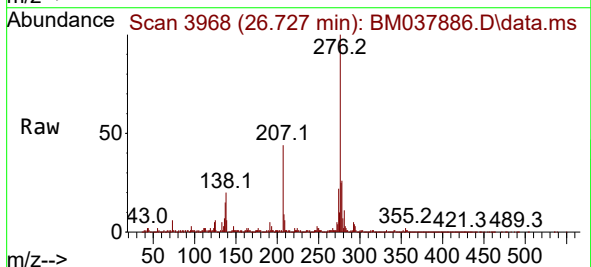
Tgt Ion:278 Resp: 398716

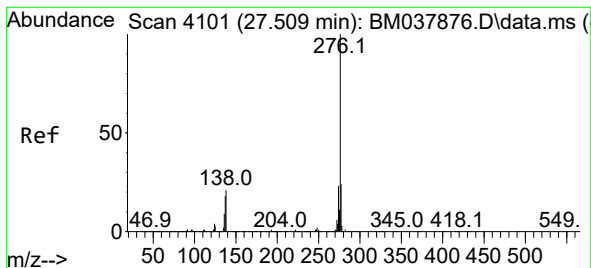
Ion Ratio Lower Upper

278 100

139 21.2 12.4 18.6#

279 25.3 19.8 29.6





#96

Benzo(g,h,i)perylene

Concen: 17.212 ng/ul

RT: 27.527 min Scan# 41

Delta R.T. 0.012 min

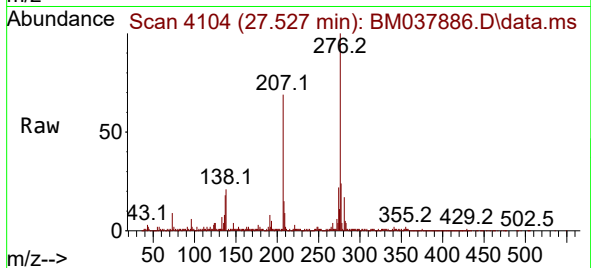
Lab File: BM037886.D

Acq: 08 Dec 2022 14:45

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:276 Resp: 1006662

Ion Ratio Lower Upper

276 100

138 21.1 17.1 25.7

277 23.8 18.2 27.4

