

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120822\
 Data File : BM037882.D
 Acq On : 08 Dec 2022 12:17
 Operator : CG/JU
 Sample : N5832-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 08 22:37:28 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	267480	20.000	ng/ul	0.00
20) Naphthalene-d8	10.910	136	1002739	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.716	164	564482	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.468	188	1082251	20.000	ng/ul	# 0.01
79) Chrysene-d12	21.615	240	27106	20.000	ng/ul	#-0.01
88) Perylene-d12	24.003	264	1417811	20.000	ng/ul	-0.11
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.428	96	19729	3.349	ng/uL	0.00
4) Pyridine-d5	3.869	84	187775	10.745	ng/ul	0.00
7) Phenol-d5	7.240	99	478764	22.027	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.410	67	277712	20.983	ng/ul	0.00
11) 2-Chlorophenol-d4	7.610	132	398717	22.362	ng/ul	0.00
15) 4-Methylphenol-d8	8.792	113	374991	22.102	ng/ul	0.00
21) Nitrobenzene-d5	9.257	128	192754	24.279	ng/ul	0.00
24) 2-Nitrophenol-d4	9.981	143	202620	24.353	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.522	165	359642	22.758	ng/ul	0.00
31) 4-Chloroaniline-d4	11.045	131	274756	12.595	ng/ul	0.00
46) Dimethylphthalate-d6	14.121	166	1005426	24.983	ng/ul	0.00
49) Acenaphthylene-d8	14.410	160	1218137	24.766	ng/ul	0.00
54) 4-Nitrophenol-d4	14.927	143	165033	24.062	ng/ul	0.02
60) Fluorene-d10	15.710	176	919755	25.653	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.851	200	91980	15.897	ng/ul	0.03
73) Anthracene-d10	17.580	188	927794	18.369	ng/ul	0.02
81) Pyrene-d10	19.862	212	1055845	648.450	ng/ul	0.02
92) Benzo(a)pyrene-d12	24.003	264	1100412	15.539	ng/ul	0.06
Target Compounds						
						Qvalue
8) Phenol	7.269	94	33837	1.552	ng/ul	97
16) Acetophenone	8.922	105	93415	3.501	ng/ul	97
18) 4-Methylphenol	8.857	108	22363	1.239	ng/ul	93
30) Naphthalene	10.957	128	1558496	28.801	ng/ul	99
36) 2-Methylnaphthalene	12.557	142	880869	25.098	ng/ul	99
37) 1-Methylnaphthalene	12.774	142	203115	5.660	ng/ul	99
43) 1,1'-Biphenyl	13.557	154	474714	10.462	ng/ul	100
50) Acenaphthylene	14.445	152	2278021	42.121	ng/ul	99
52) Acenaphthene	14.786	153	4915191	131.394	ng/ul	99
56) Dibenzofuran	15.115	168	6306395	123.480	ng/ul	93
57) 2,4-Dinitrotoluene	15.027	165	48390	4.633	ng/ul	88
58) 2,3,4,6-Tetrachlorophenol	15.345	232	10801	1.096	ng/ul#	1
61) Fluorene	15.774	166	9425377	226.296	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.845	198	16806	3.000	ng/ul#	1
67) N-Nitrosodiphenylamine	15.968	169	121501	3.722	ng/ul#	28
71) Pentachlorophenol	17.133	266	168663	21.422	ng/ul	98
72) Phenanthrene	17.615	178	3303764	55.900	ng/ul#	93
74) Anthracene	17.615	178	3303764	55.006	ng/ul#	92
77) Carbazole	17.898	167	15127860	290.715	ng/ul#	94
80) Fluoranthene	19.462	202	103929	54.083	ng/ul#	31
82) Pyrene	19.903	202	3776162	1888.133	ng/ul	97
83) Butylbenzylphthalate	20.715	149	2426	3.262	ng/ul#	25
84) 3,3'-Dichlorobenzidine	21.527	252	2829	5.274	ng/ul#	1
85) Benzo(a)anthracene	21.574	228	67853	37.182	ng/ul#	1

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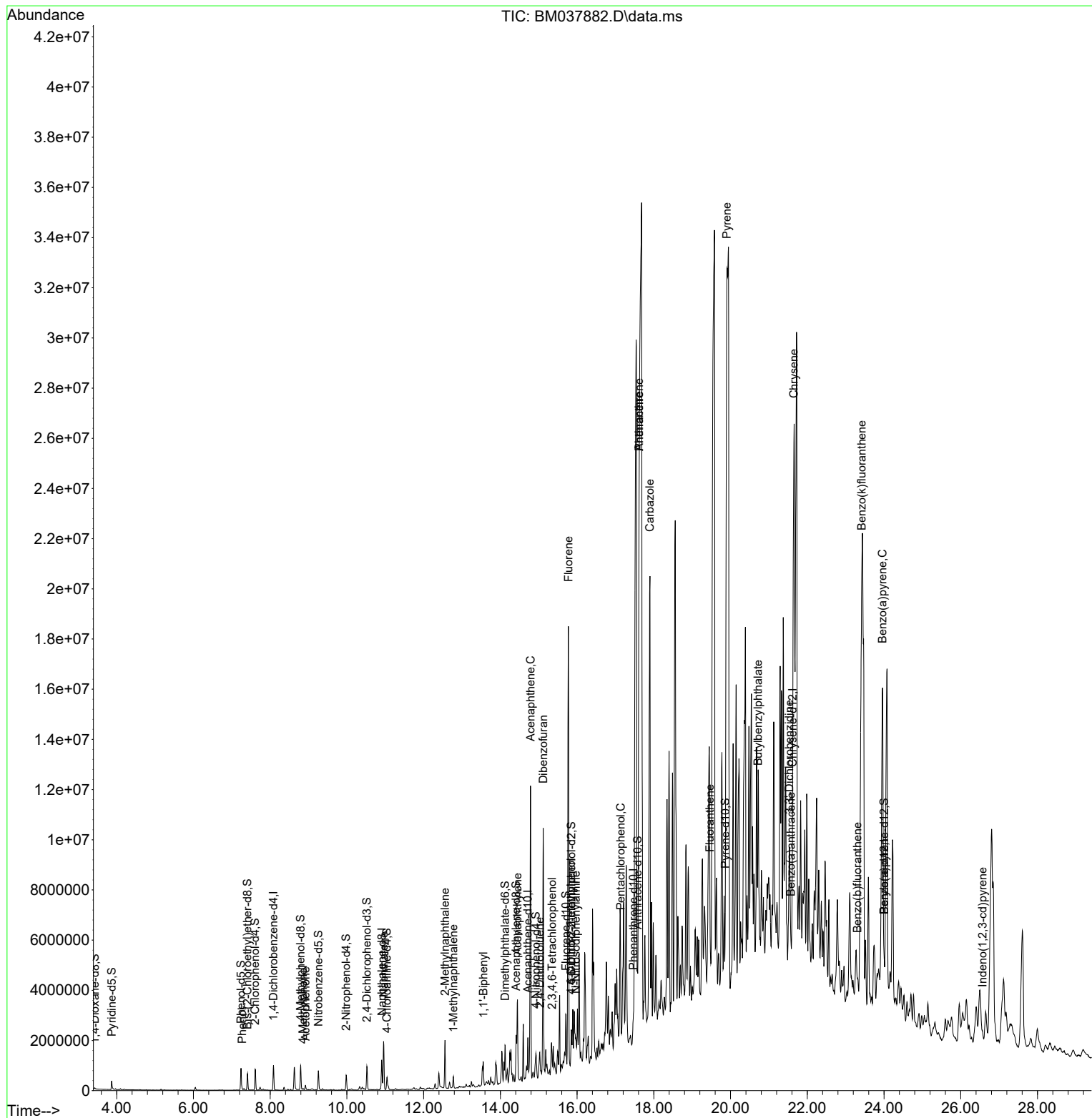
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Chrysene	21.650	228	23384021	13657.438	ng/ul#	96
90) Benzo(b)fluoranthene	23.303	252	170351	1.938	ng/ul#	1
91) Benzo(k)fluoranthene	23.421	252	30248315	355.081	ng/ul	96
93) Benzo(a)pyrene	23.962	252	14094553	182.346	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	26.568	276	192420	1.933	ng/ul#	79

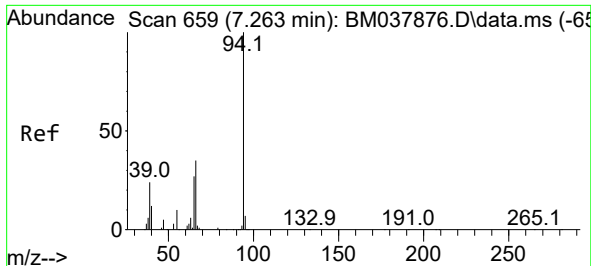
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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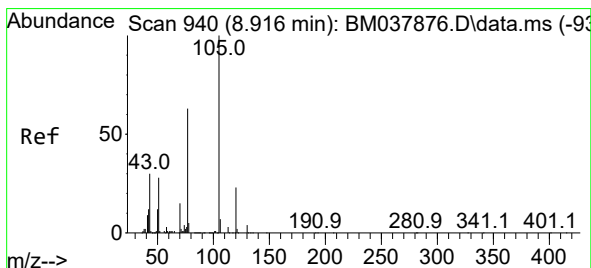
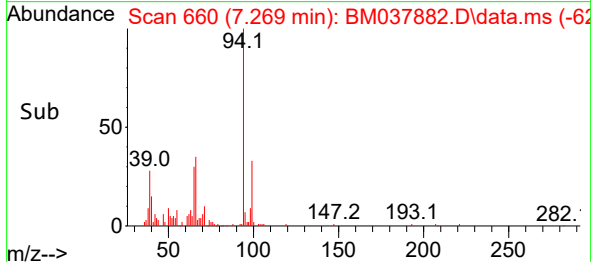
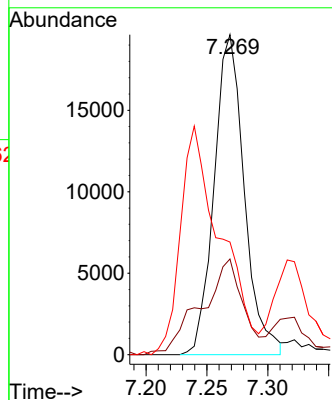
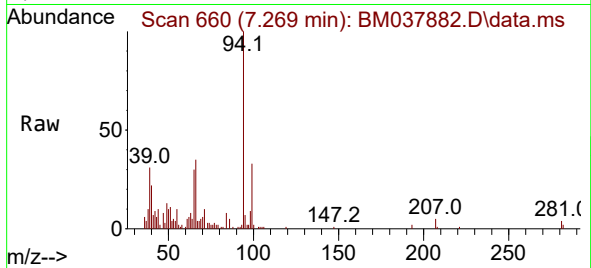




#8
Phenol
Concen: 1.552 ng/ul
RT: 7.269 min Scan# 659
Delta R.T. -0.000 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

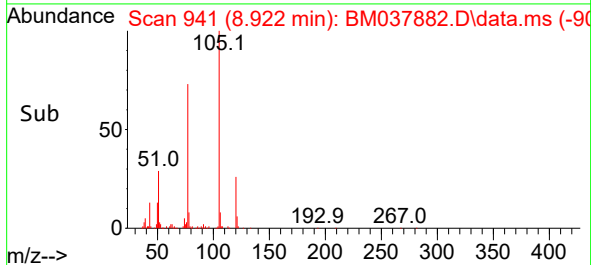
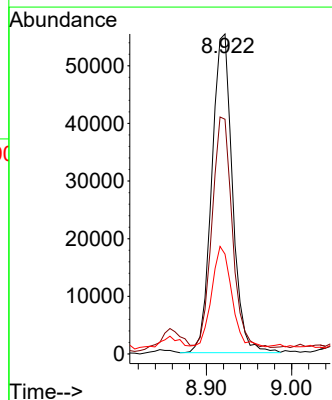
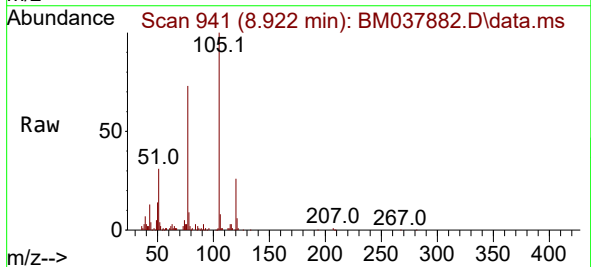
Instrument :
BNA_M
ClientSampleId :

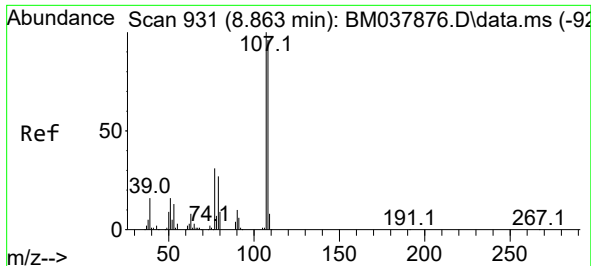
Tgt Ion: 94 Resp: 33837
Ion Ratio Lower Upper
94 100
65 29.9 22.2 33.4
66 35.2 27.3 40.9



#16
Acetophenone
Concen: 3.501 ng/ul
RT: 8.922 min Scan# 941
Delta R.T. -0.000 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

Tgt Ion: 105 Resp: 93415
Ion Ratio Lower Upper
105 100
77 73.4 59.7 89.5
51 31.2 27.2 40.8

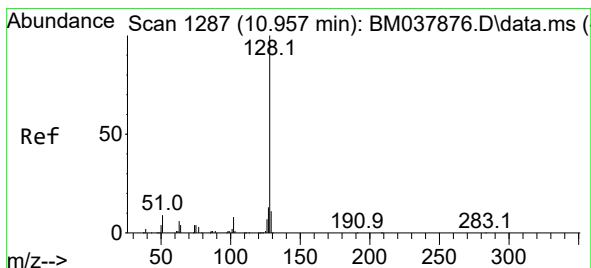
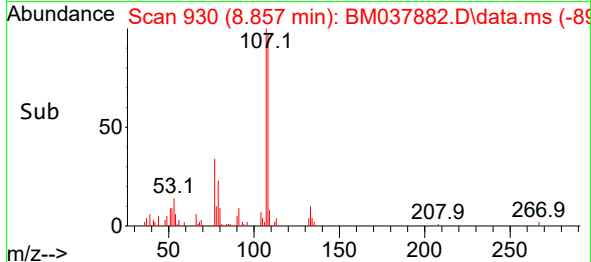
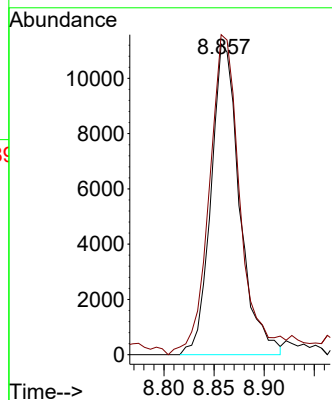
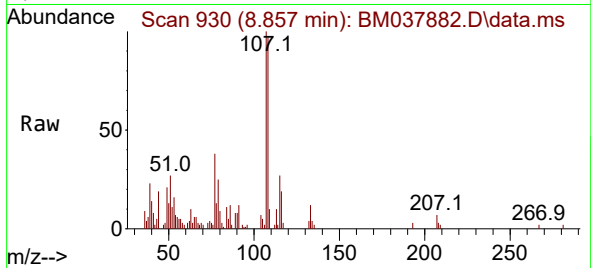




#18
4-Methylphenol
Concen: 1.239 ng/ul
RT: 8.857 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

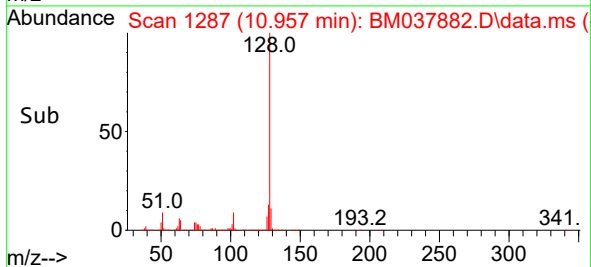
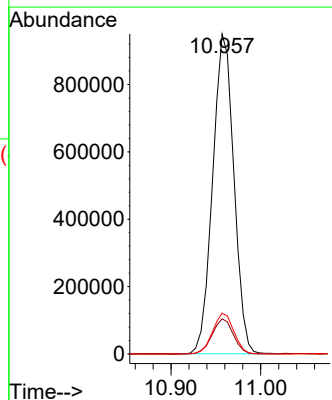
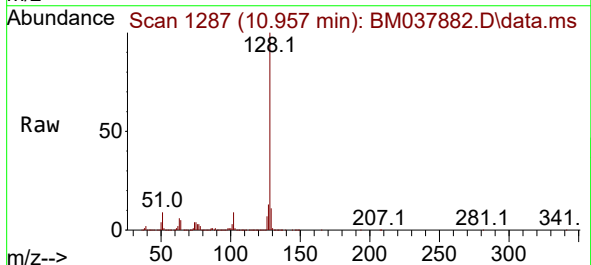
Instrument :
BNA_M
ClientSampleId :

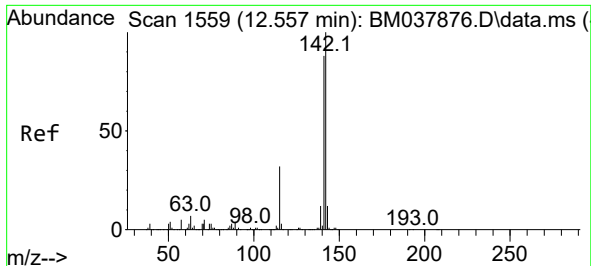
Tgt Ion:108 Resp: 22363
Ion Ratio Lower Upper
108 100
107 103.0 88.1 132.1



#30
Naphthalene
Concen: 28.801 ng/ul
RT: 10.957 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

Tgt Ion:128 Resp: 1558496
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.8 10.4 15.6

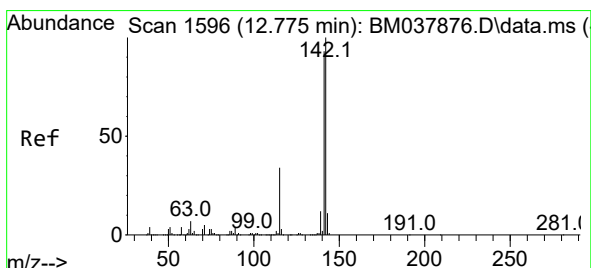
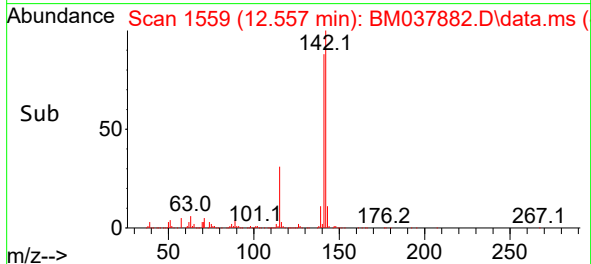
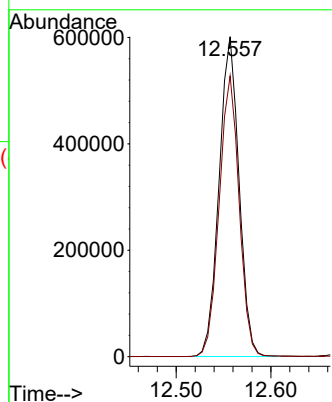
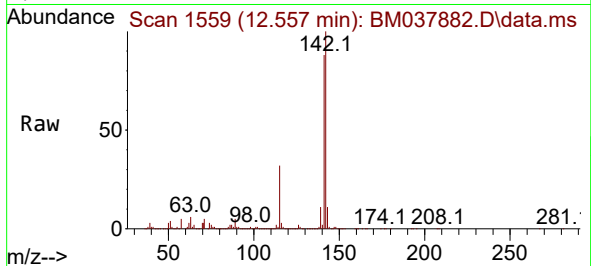




#36
2-Methylnaphthalene
Concen: 25.098 ng/ul
RT: 12.557 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

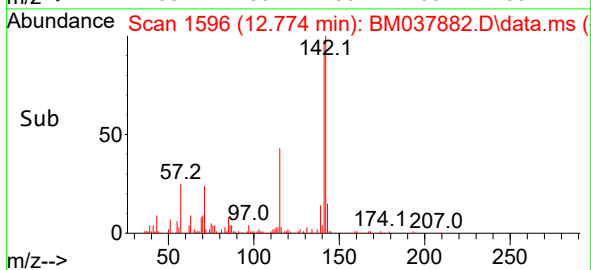
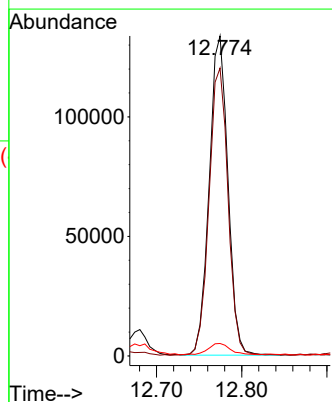
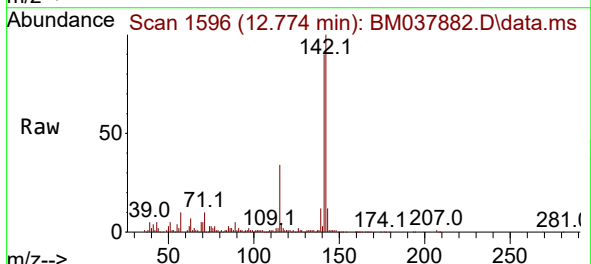
Instrument :
BNA_M
ClientSampleId :

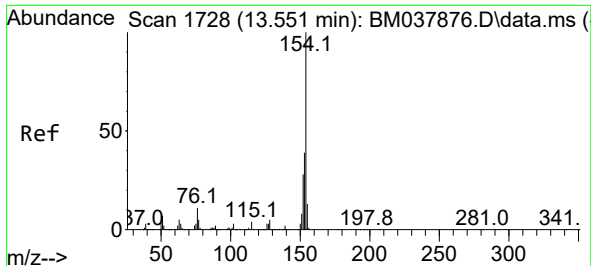
Tgt Ion:142 Resp: 880869
Ion Ratio Lower Upper
142 100
141 87.8 69.4 104.0



#37
1-Methylnaphthalene
Concen: 5.660 ng/ul
RT: 12.774 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

Tgt Ion:142 Resp: 203115
Ion Ratio Lower Upper
142 100
141 90.0 72.4 108.6
116 3.9 2.9 4.3

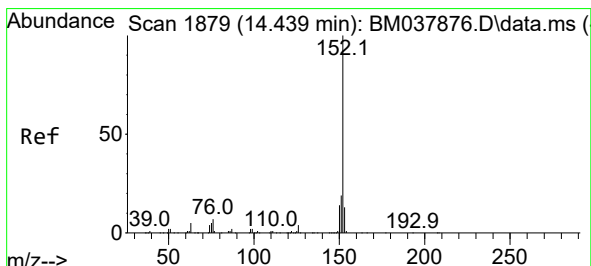
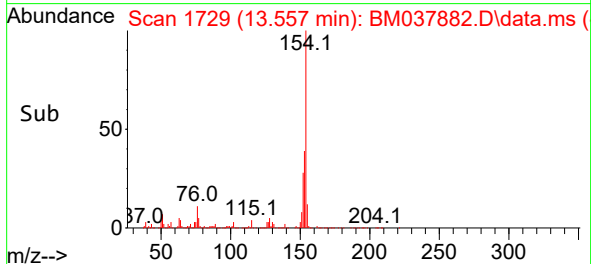
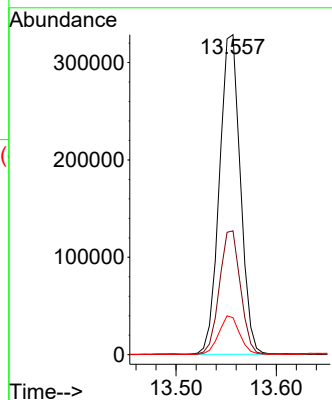
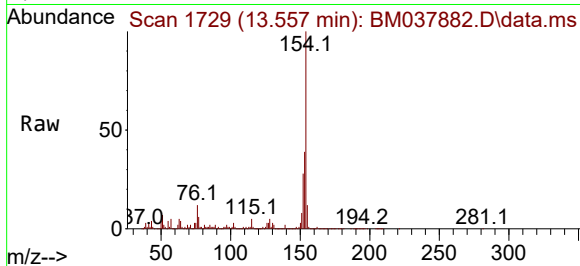




#43
1,1'-Biphenyl
Concen: 10.462 ng/ul
RT: 13.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

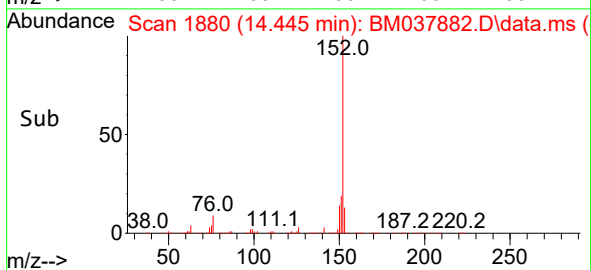
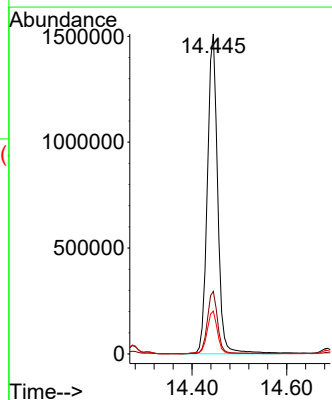
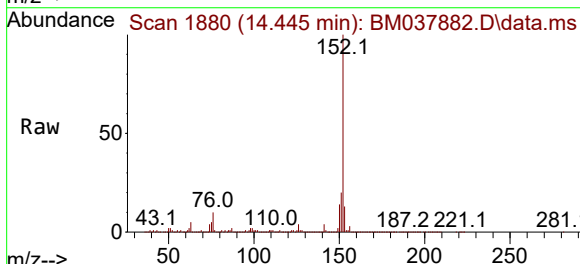
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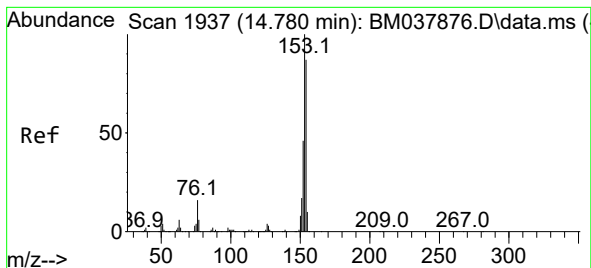
Tgt Ion:154 Resp: 474714
Ion Ratio Lower Upper
154 100
153 38.7 31.2 46.8
76 11.6 9.3 13.9



#50
Acenaphthylene
Concen: 42.121 ng/ul
RT: 14.445 min Scan# 1880
Delta R.T. -0.000 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

Tgt Ion:152 Resp: 2278021
Ion Ratio Lower Upper
152 100
151 19.6 15.3 22.9
153 13.4 10.2 15.4





#52

Acenaphthene

Concen: 131.394 ng/ul

RT: 14.786 min Scan# 1937

Delta R.T. 0.006 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

Instrument :

BNA_M

ClientSampleId :

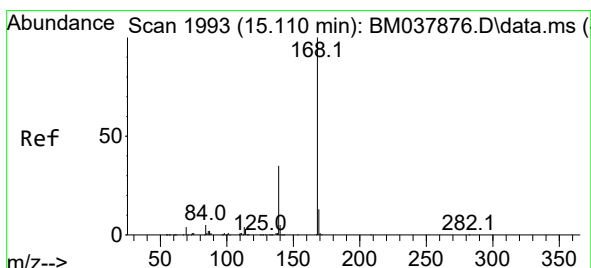
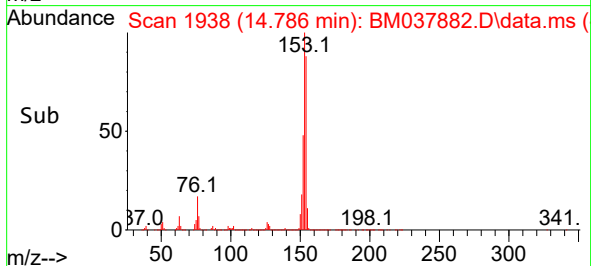
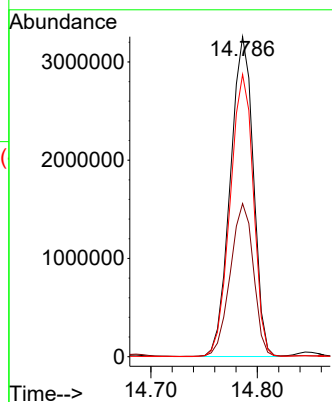
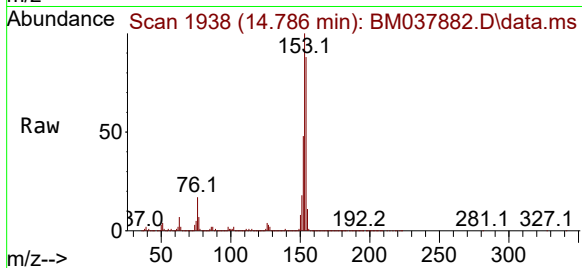
Tgt Ion:153 Resp: 4915191

Ion Ratio Lower Upper

153 100

152 47.9 38.2 57.4

154 88.2 71.4 107.0



#56

Dibenzofuran

Concen: 123.480 ng/ul

RT: 15.115 min Scan# 1994

Delta R.T. -0.000 min

Lab File: BM037882.D

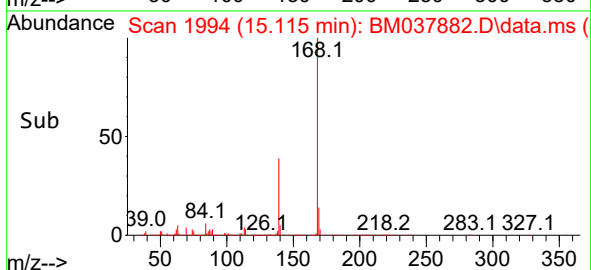
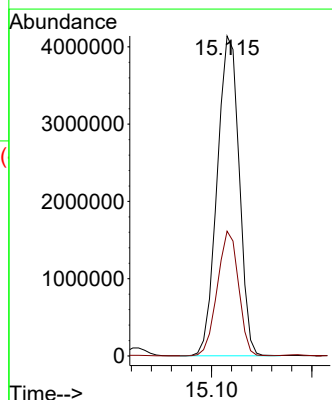
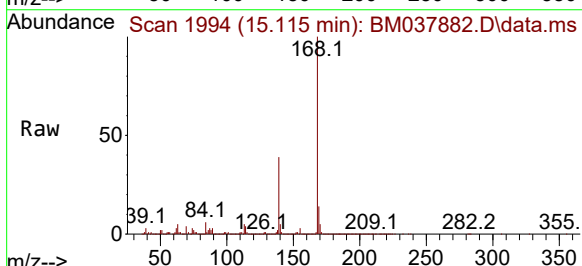
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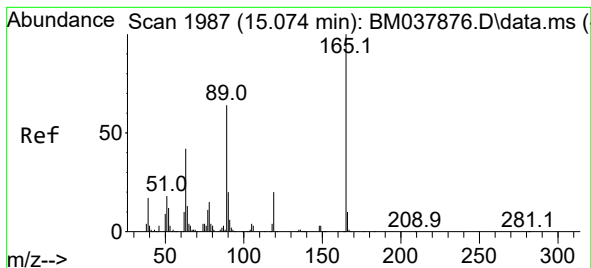
Tgt Ion:168 Resp: 6306395

Ion Ratio Lower Upper

168 100

139 39.0 28.1 42.1

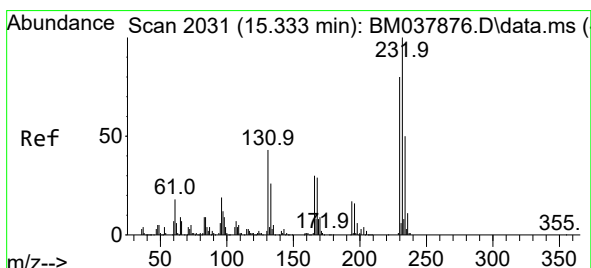
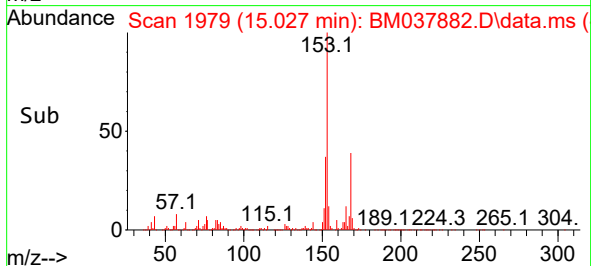
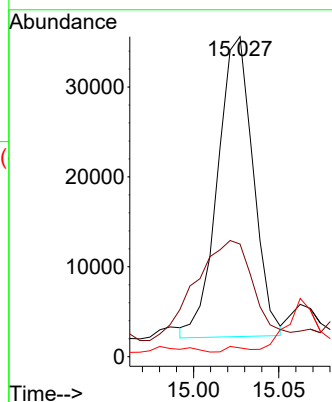
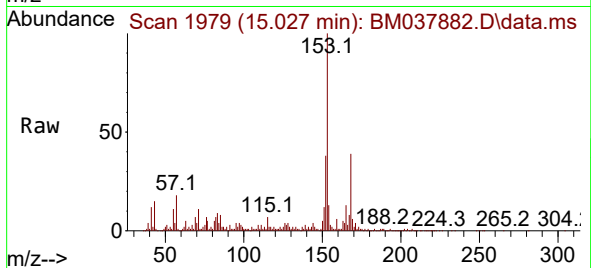




#57
2,4-Dinitrotoluene
Concen: 4.633 ng/ul
RT: 15.027 min Scan# 1987
Delta R.T. -0.047 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

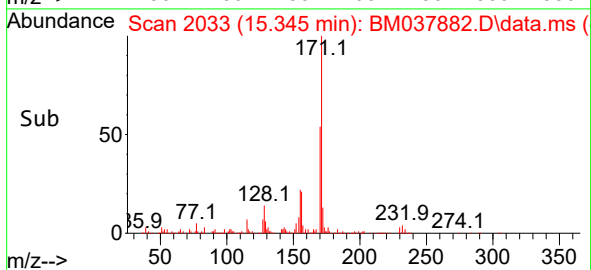
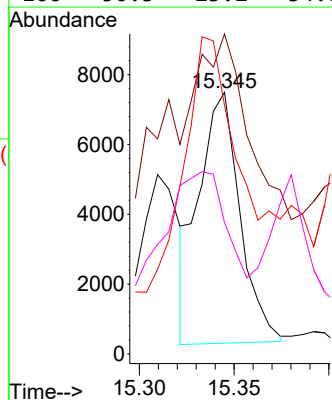
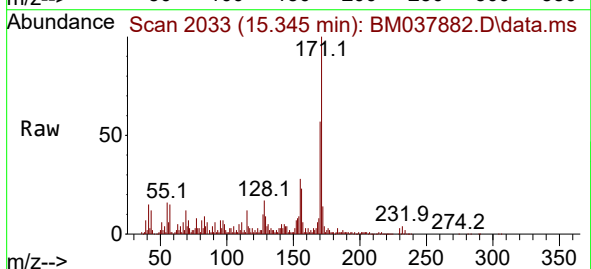
Instrument :
BNA_M
ClientSampleId :

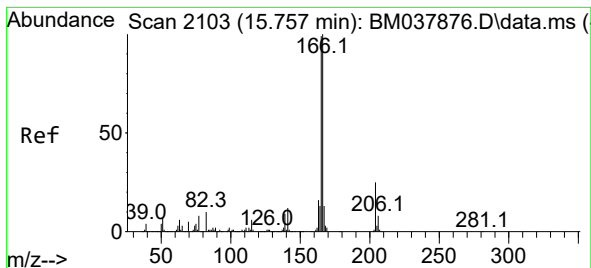
Tgt Ion:165 Resp: 48390
Ion Ratio Lower Upper
165 100
63 35.2 34.9 52.3
182 2.7 2.2 3.2



#58
2,3,4,6-Tetrachlorophenol
Concen: 1.096 ng/ul
RT: 15.345 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

Tgt Ion:232 Resp: 10801
Ion Ratio Lower Upper
232 100
131 122.3 32.8 49.2#
130 95.0 2.0 3.0#
166 50.3 23.2 34.8#





#61

Fluorene

Concen: 226.296 ng/ul

RT: 15.774 min Scan# 2106

Delta R.T. 0.012 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

Instrument :

BNA_M

ClientSampleId :

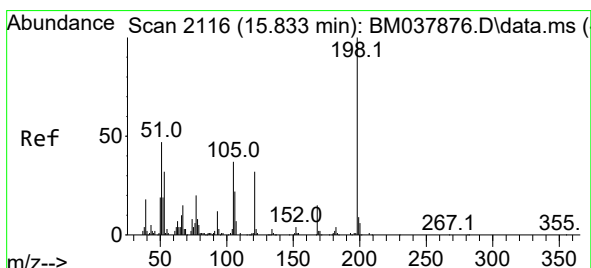
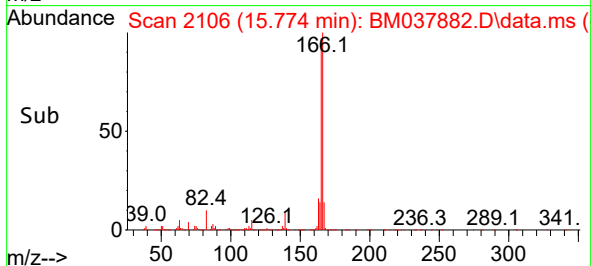
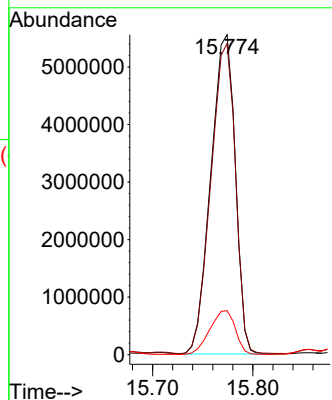
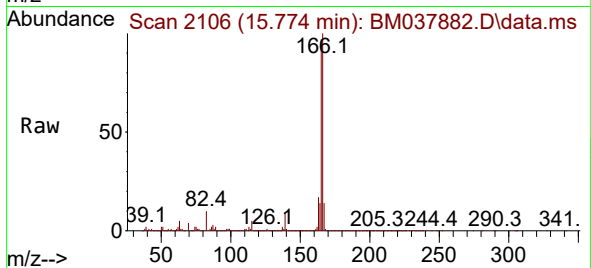
Tgt Ion:166 Resp: 9425377

Ion Ratio Lower Upper

166 100

165 97.2 77.2 115.8

167 13.7 10.4 15.6



#66

4,6-Dinitro-2-methylphenol

Concen: 3.000 ng/ul

RT: 15.845 min Scan# 2118

Delta R.T. 0.012 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

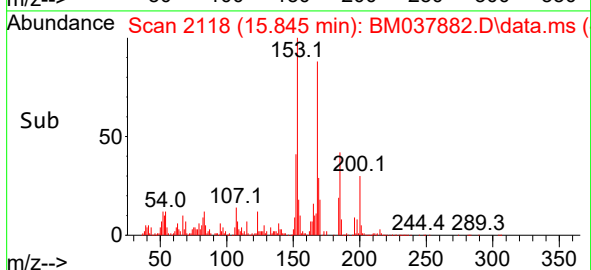
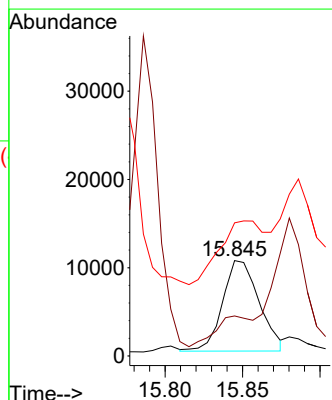
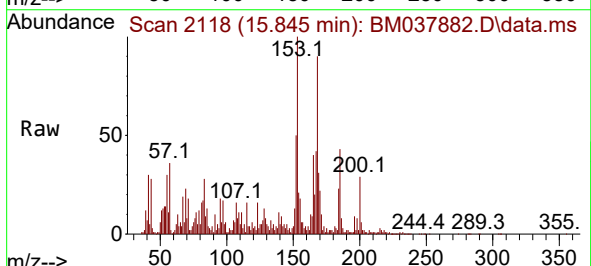
Tgt Ion:198 Resp: 16806

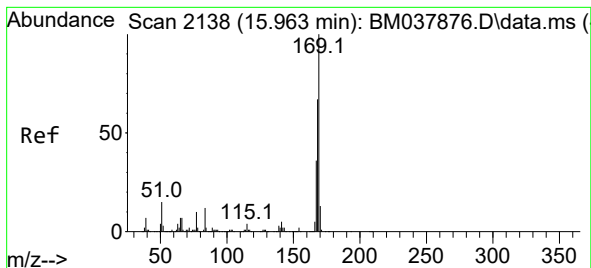
Ion Ratio Lower Upper

198 100

182 41.9 3.8 5.8#

77 139.4 19.3 28.9#





#67

N-Nitrosodiphenylamine

Concen: 3.722 ng/ul

RT: 15.968 min Scan# 2138

Delta R.T. 0.006 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

Instrument :

BNA_M

ClientSampleId :

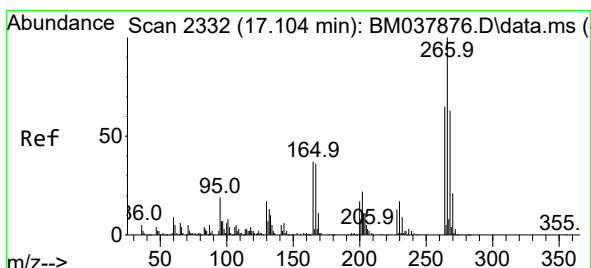
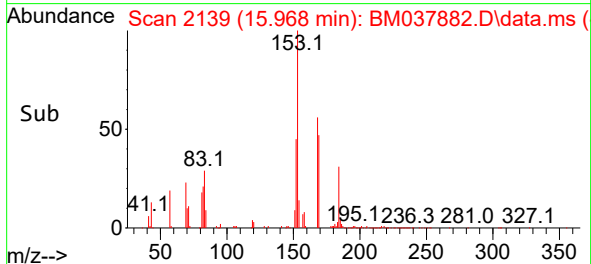
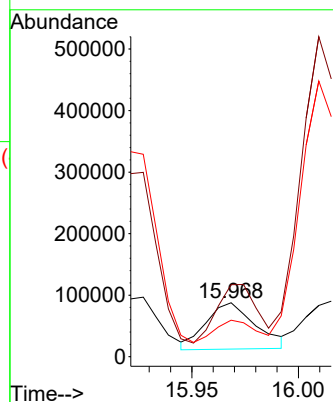
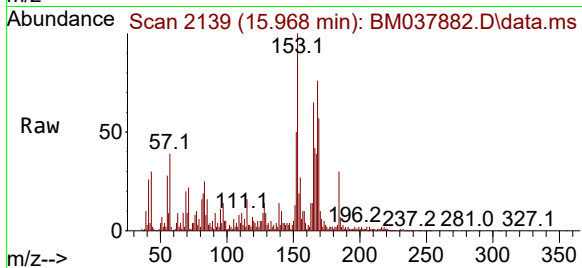
Tgt Ion:169 Resp: 121501

Ion Ratio Lower Upper

169 100

168 133.7 53.8 80.8#

167 67.7 29.3 43.9#



#71

Pentachlorophenol

Concen: 21.422 ng/ul

RT: 17.133 min Scan# 2337

Delta R.T. 0.029 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

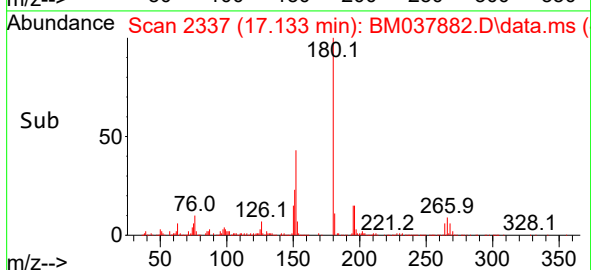
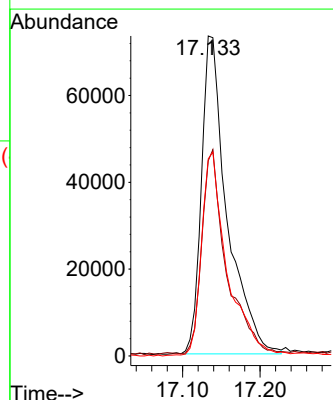
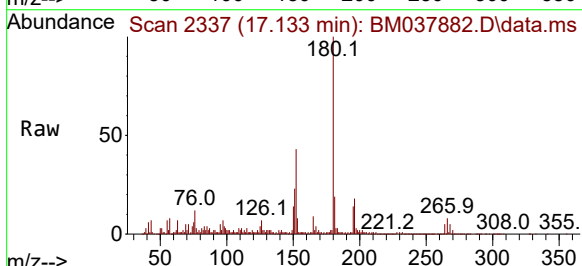
Tgt Ion:266 Resp: 168663

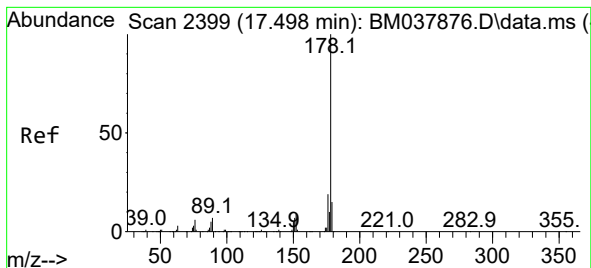
Ion Ratio Lower Upper

266 100

264 61.0 50.1 75.1

268 61.6 50.6 75.8





#72

Phenanthrene

Concen: 55.900 ng/ul

RT: 17.615 min Scan# 2419

Delta R.T. 0.118 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

Instrument :

BNA_M

ClientSampleId :

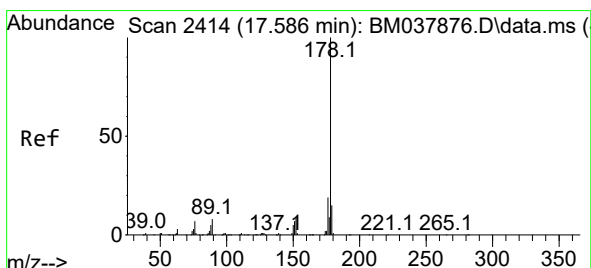
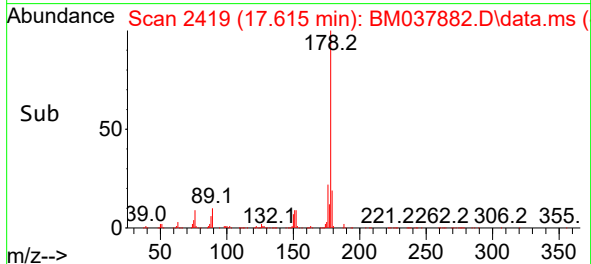
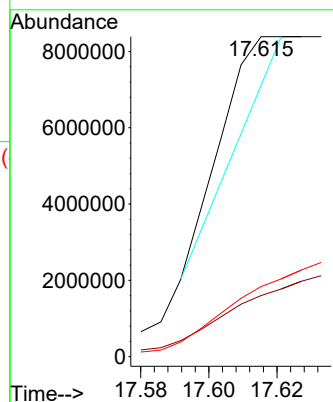
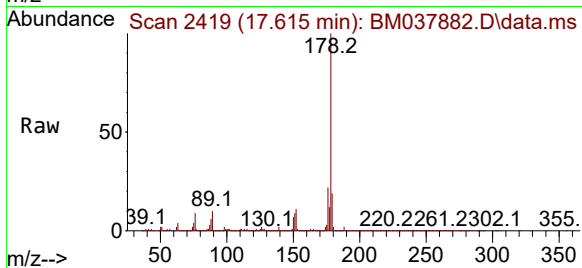
Tgt Ion:178 Resp: 3303764

Ion Ratio Lower Upper

178 100

179 19.1 12.2 18.2#

176 21.9 15.4 23.0



#74

Anthracene

Concen: 55.006 ng/ul

RT: 17.615 min Scan# 2419

Delta R.T. 0.024 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

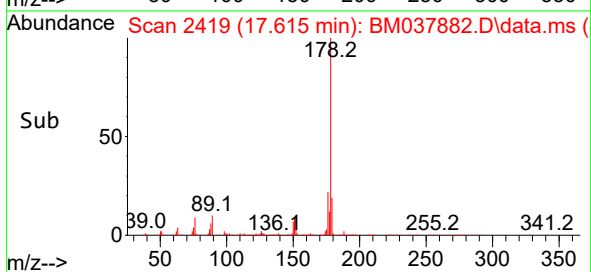
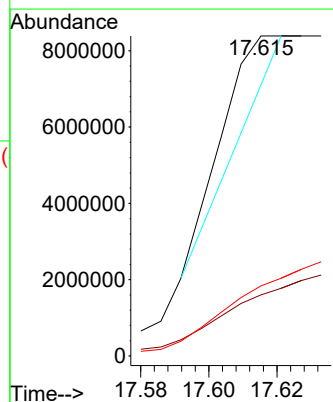
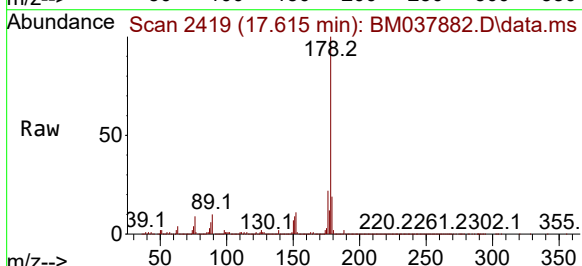
Tgt Ion:178 Resp: 3303764

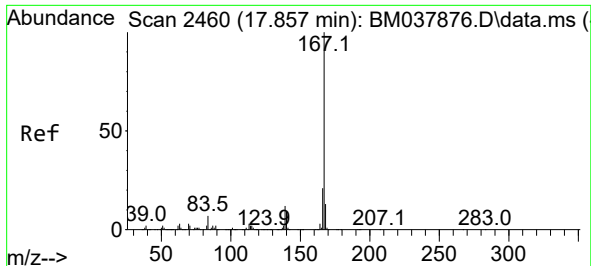
Ion Ratio Lower Upper

178 100

179 19.1 11.8 17.8#

176 21.9 15.0 22.6

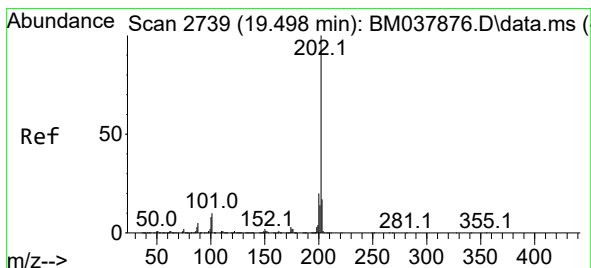
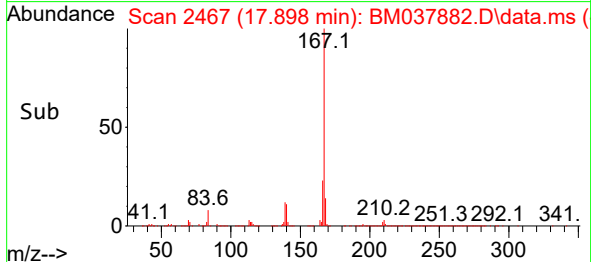
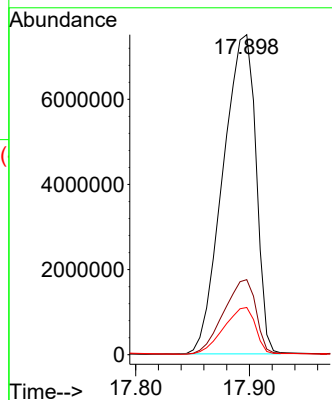
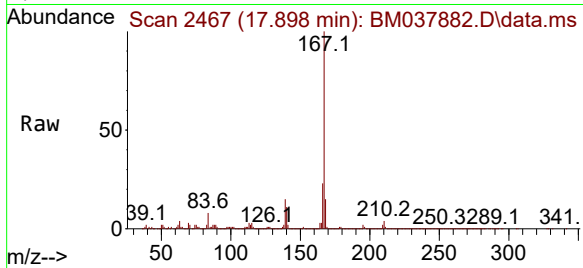




#77
 Carbazole
 Concen: 290.715 ng/ul
 RT: 17.898 min Scan# 2460
 Delta R.T. 0.041 min
 Lab File: BM037882.D
 Acq: 08 Dec 2022 12:17

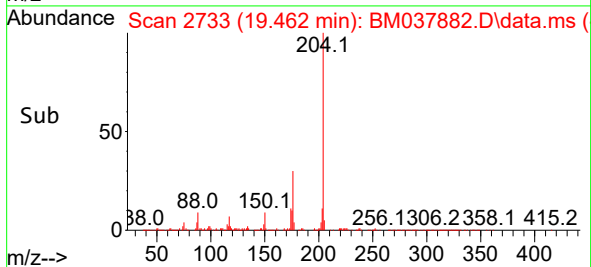
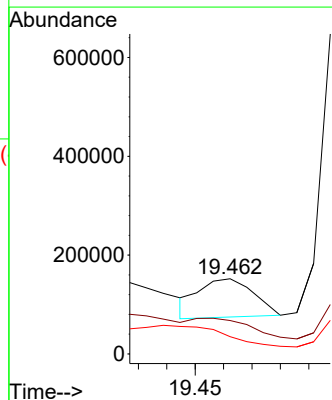
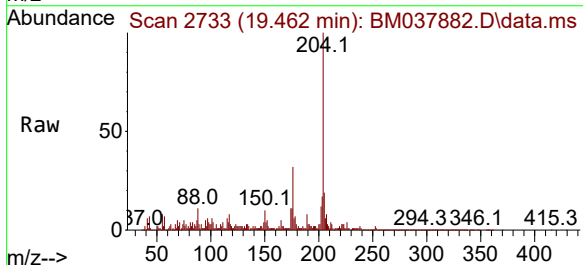
Instrument :
 BNA_M
 ClientSampleId :

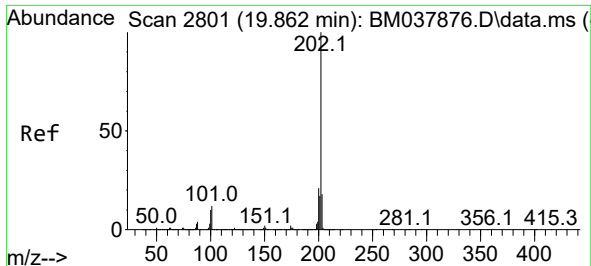
Tgt Ion:167 Resp:15127860
 Ion Ratio Lower Upper
 167 100
 166 23.5 16.7 25.1
 139 14.8 9.8 14.6#



#80
 Fluoranthene
 Concen: 54.083 ng/ul
 RT: 19.462 min Scan# 2733
 Delta R.T. -0.041 min
 Lab File: BM037882.D
 Acq: 08 Dec 2022 12:17

Tgt Ion:202 Resp: 103929
 Ion Ratio Lower Upper
 202 100
 101 44.6 8.6 13.0#
 100 23.1 6.6 10.0#

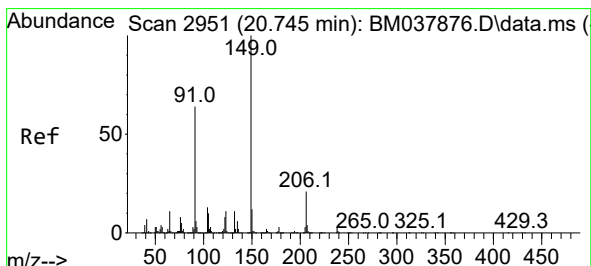
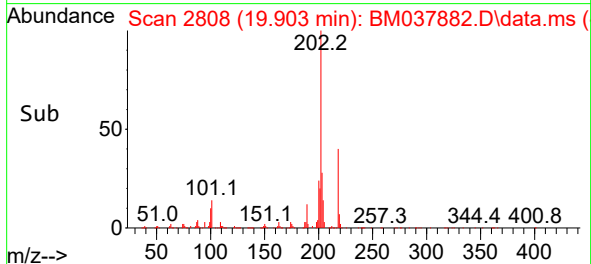
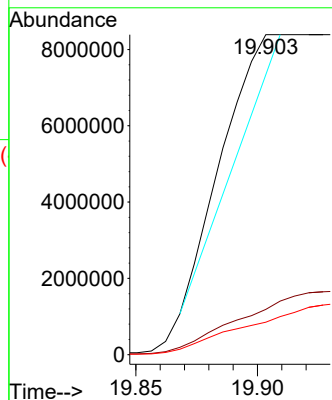
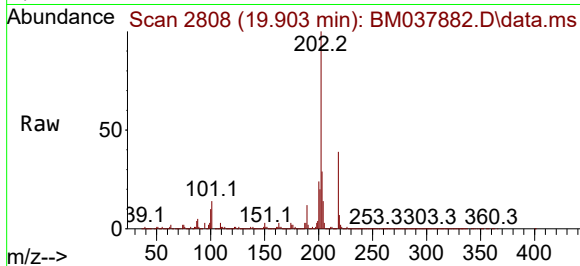




#82
Pyrene
Concen: 1888.133 ng/ul
RT: 19.903 min Scan# 21
Delta R.T. 0.035 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

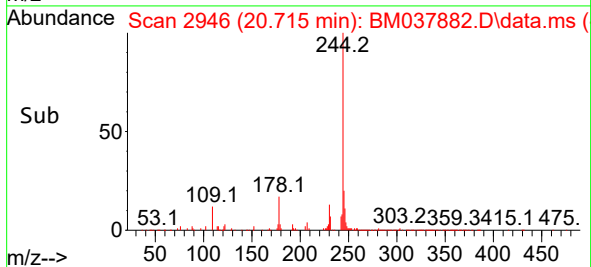
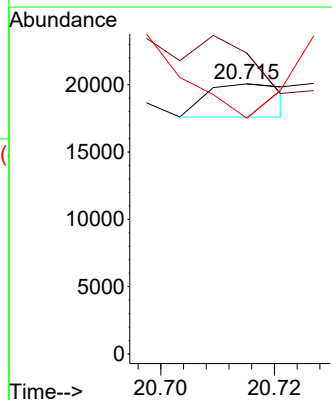
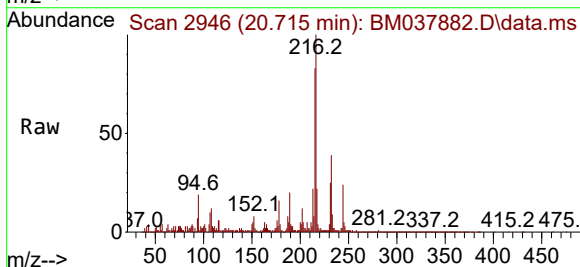
Instrument :
BNA_M
ClientSampleId :

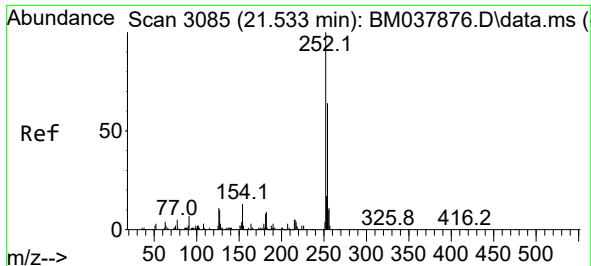
Tgt Ion:202 Resp: 3776162
Ion Ratio Lower Upper
202 100
101 14.1 10.0 15.0
100 10.2 7.9 11.9



#83
Butylbenzylphthalate
Concen: 3.262 ng/ul
RT: 20.715 min Scan# 2946
Delta R.T. -0.029 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

Tgt Ion:149 Resp: 2426
Ion Ratio Lower Upper
149 100
91 111.5 54.5 81.7#
206 87.4 15.8 23.8#

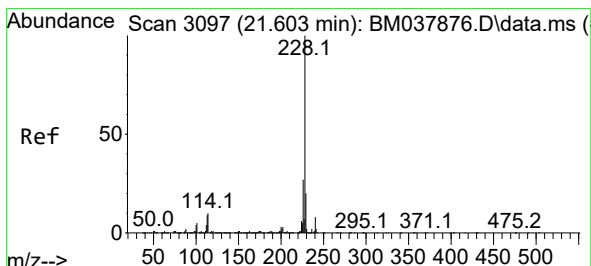
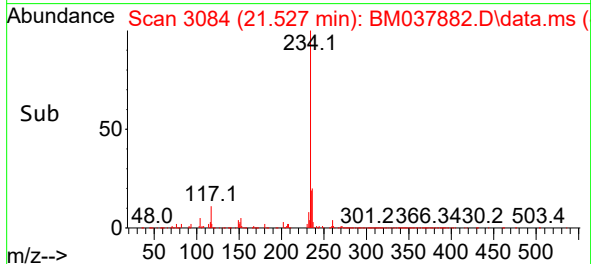
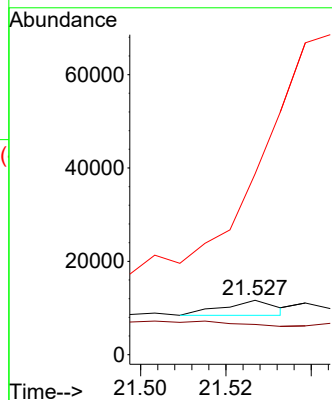
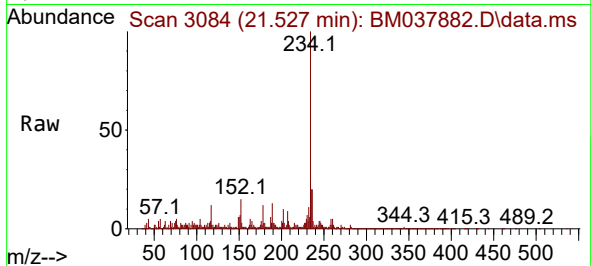




#84
3,3'-Dichlorobenzidine
Concen: 5.274 ng/ul
RT: 21.527 min Scan# 3084
Delta R.T. -0.012 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

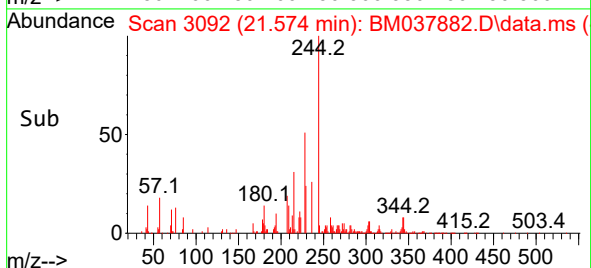
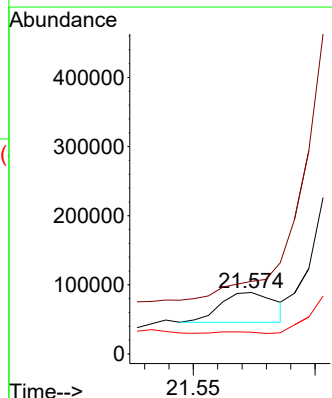
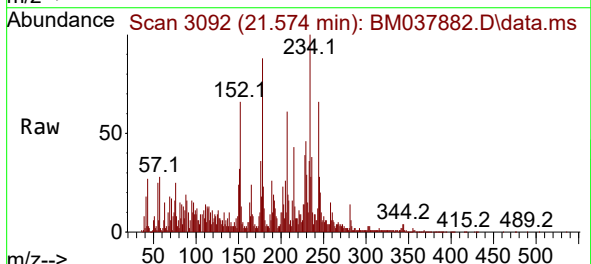
Instrument :
BNA_M
ClientSampleId :

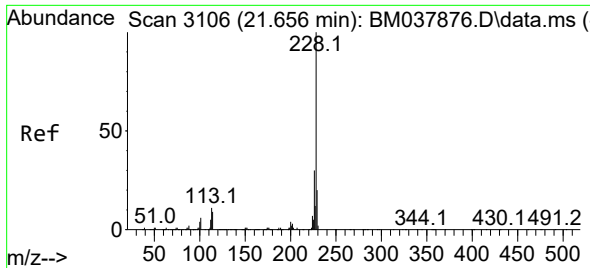
Tgt Ion:252 Resp: 2829
Ion Ratio Lower Upper
252 100
254 55.7 53.2 79.8
126 332.0 7.8 11.8#



#85
Benzo(a)anthracene
Concen: 37.182 ng/ul
RT: 21.574 min Scan# 3092
Delta R.T. -0.035 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

Tgt Ion:228 Resp: 67853
Ion Ratio Lower Upper
228 100
229 118.2 15.5 23.3#
226 35.4 21.8 32.8#

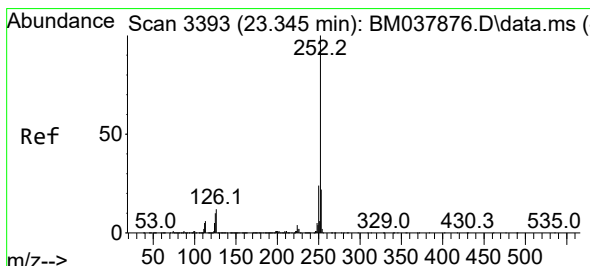
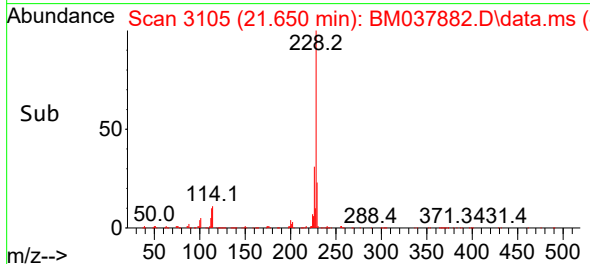
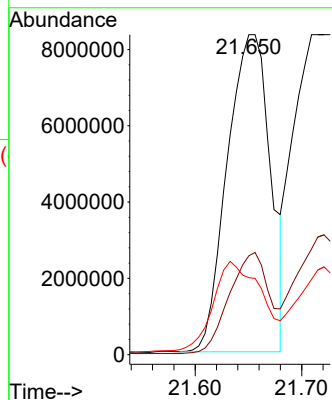
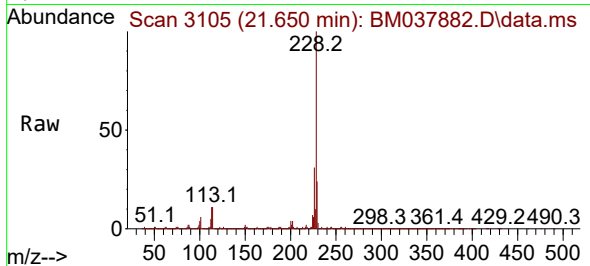




#87
Chrysene
Concen: 13657.438 ng/u1
RT: 21.650 min Scan# 3106
Delta R.T. -0.012 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

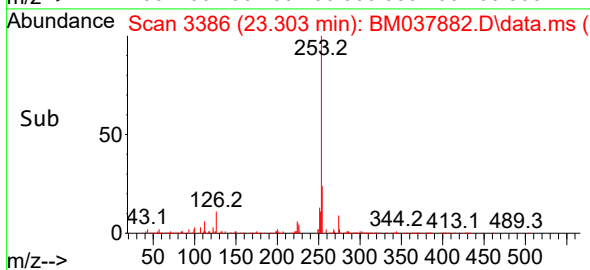
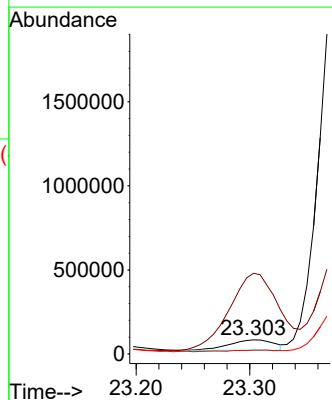
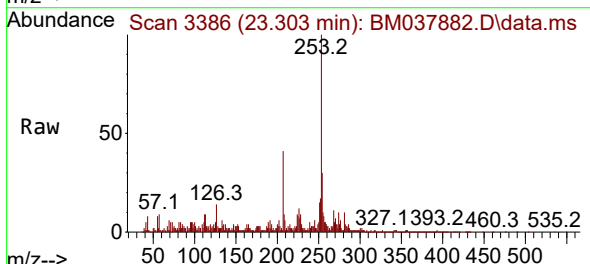
Instrument :
BNA_M
ClientSampleId :

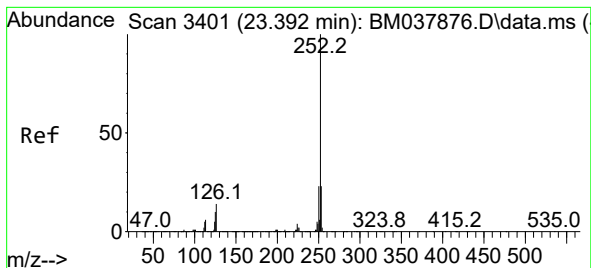
Tgt Ion:228 Resp:23384021
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 24.0 15.6 23.4#



#90
Benzo(b)fluoranthene
Concen: 1.938 ng/u1
RT: 23.303 min Scan# 3386
Delta R.T. -0.041 min
Lab File: BM037882.D
Acq: 08 Dec 2022 12:17

Tgt Ion:252 Resp: 170351
Ion Ratio Lower Upper
252 100
253 575.7 17.6 26.4#
125 27.8 8.0 12.0#





#91

Benzo(k)fluoranthene

Concen: 355.081 ng/ul

RT: 23.421 min Scan# 34

Delta R.T. 0.024 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

Instrument :

BNA_M

ClientSampleId :

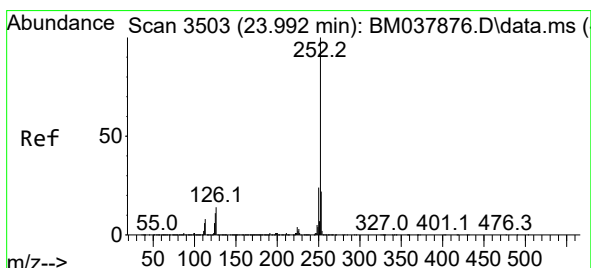
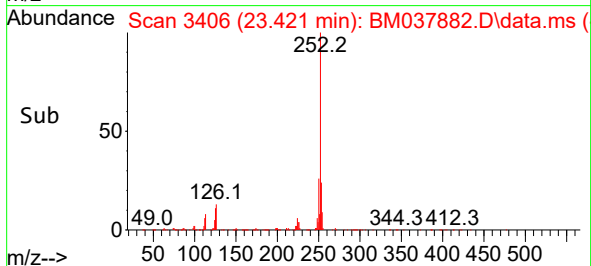
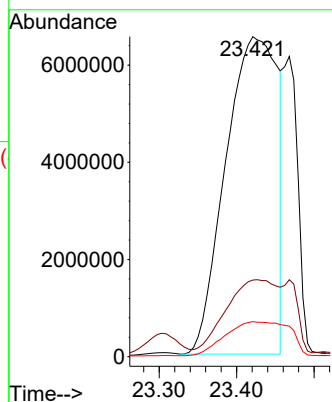
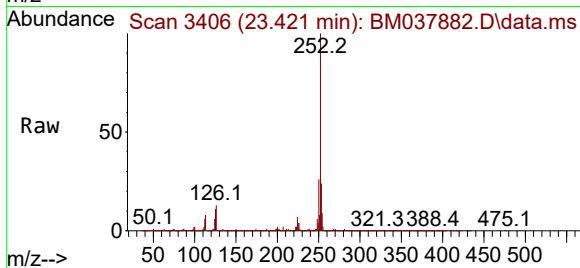
Tgt Ion:252 Resp:30248315

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

125 10.9 8.1 12.1



#93

Benzo(a)pyrene

Concen: 182.346 ng/ul

RT: 23.962 min Scan# 3498

Delta R.T. -0.035 min

Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

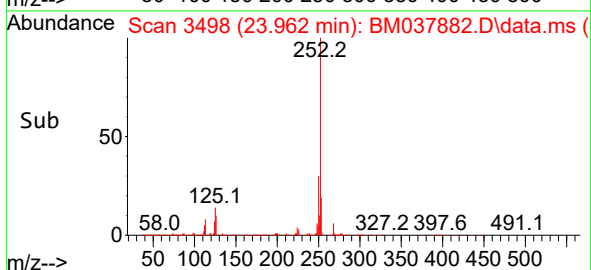
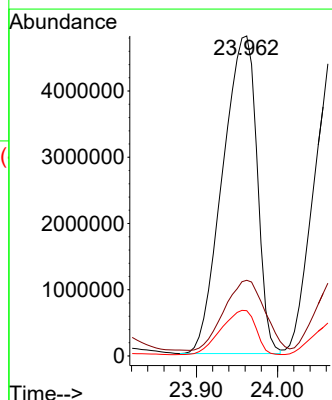
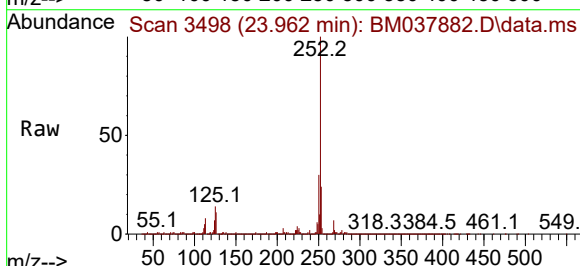
Tgt Ion:252 Resp:14094553

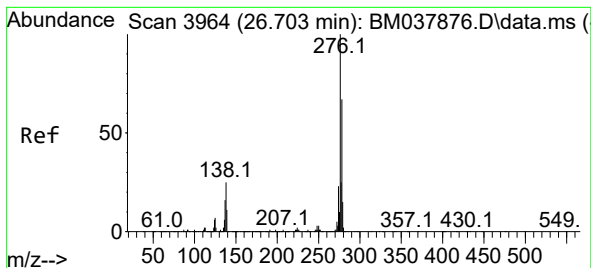
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 14.2 9.4 14.0#





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.933 ng/ul

RT: 26.568 min Scan# 3941

Delta R.T. -0.141 min

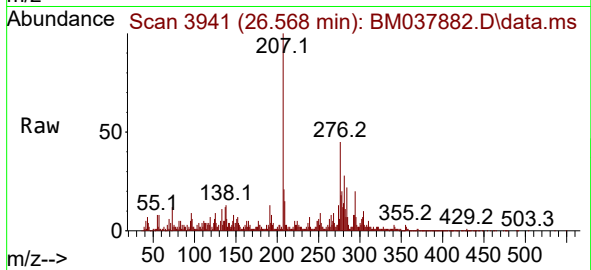
Lab File: BM037882.D

Acq: 08 Dec 2022 12:17

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:276 Resp: 192420

Ion Ratio Lower Upper

276 100

138 29.3 19.3 28.9#

277 39.9 19.8 29.8#

