

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080323\
 Data File : BF134610.D
 Acq On : 03 Aug 2023 14:06
 Operator : CG\JU
 Sample : 03775-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-57-(5-7)DL

Quant Time: Aug 04 01:07:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	158684	20.000	ng	0.01
21) Naphthalene-d8	8.092	136	105163	20.000	ng	# 0.02
39) Acenaphthene-d10	9.845	164	225931	20.000	ng	# 0.02
64) Phenanthrene-d10	11.345	188	198163	20.000	ng	# 0.03
76) Chrysene-d12	13.986	240	10461	20.000	ng	# 0.02
86) Perylene-d12	15.545	264	225957	20.000	ng	# 0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	480845	46.062	ng	0.01
7) Phenol-d6	6.440	99	1136844	85.193	ng	0.01
23) Nitrobenzene-d5	7.363	82	593773	352.847	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	135848	58.984	ng	0.03
45) 2-Fluorobiphenyl	9.163	172	1011289	74.424	ng	0.01
79) Terphenyl-d14	12.963	244	592571	998.588	ng	0.05
Target Compounds						
9) Benzaldehyde	6.363	77	258772	40.520	ng	# 1
10) Phenol	6.451	94	119885	9.117	ng	83
17) 2-Methylphenol	7.051	107	18670	2.006	ng	# 85
18) Hexachloroethane	7.310	117	232248	60.602	ng	# 3
20) 3+4-Methylphenols	7.204	107	58848	5.244	ng	# 66
22) Acetophenone	7.198	105	99065	40.805	ng	# 64
24) Nitrobenzene	7.416	77	97662	53.719	ng	# 5
25) Isophorone	7.698	82	28135	7.665	ng	# 83
26) 2-Nitrophenol	7.704	139	2037	7.163	ng	# 1
27) 2,4-Dimethylphenol	7.487	122	6246	3.814	ng	86
28) bis(2-Chloroethoxy)met...	7.834	93	12172	5.544	ng	# 50
31) Naphthalene	8.216	128	34618817	6550.025	ng	# 84
32) Benzoic acid	7.928	122	48937	46.168	ng	# 60
33) 4-Chloroaniline	8.216	127	5972120	2535.955	ng	# 36
35) Caprolactam	8.551	113	2048	4.271	ng	# 66
37) 2-Methylnaphthalene	8.863	142	11558280	3299.260	ng	99
38) 1-Methylnaphthalene	8.863	142	11558280	3548.002	ng	100
46) 1,1'-Biphenyl	9.281	154	4740705	269.833	ng	96
47) 2-Chloronaphthalene	9.345	162	783659	59.528	ng	# 46
48) 2-Nitroaniline	9.369	65	32093	10.470	ng	# 34
49) Acenaphthylene	9.745	152	6676514	322.643	ng	97
50) Dimethylphthalate	9.569	163	37166	2.414	ng	# 40
51) 2,6-Dinitrotoluene	9.557	165	72167	24.180	ng	# 63
52) Acenaphthene	9.904	154	3613198	269.437	ng	100
53) 3-Nitroaniline	9.851	138	7126	2.076	ng	# 88
54) 2,4-Dinitrophenol	9.928	184	3173	10.106	ng	# 1
55) Dibenzofuran	10.075	168	3938017	206.286	ng	98
56) 4-Nitrophenol	9.957	139	64714	23.053	ng	# 25
57) 2,4-Dinitrotoluene	10.033	165	118275	32.044	ng	# 47
58) Fluorene	10.439	166	7364277	529.617	ng	95
62) 4-Nitroaniline	10.439	138	81637	24.267	ng	# 18
63) Azobenzene	10.569	77	115509	7.366	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.475	198	3588	12.367	ng	# 1
66) n-Nitrosodiphenylamine	10.498	169	188803	29.934	ng	# 1
71) Phenanthrene	11.463	178	26572188	2524.526	ng	# 92
72) Anthracene	11.463	178	26572188	2471.513	ng	# 89

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

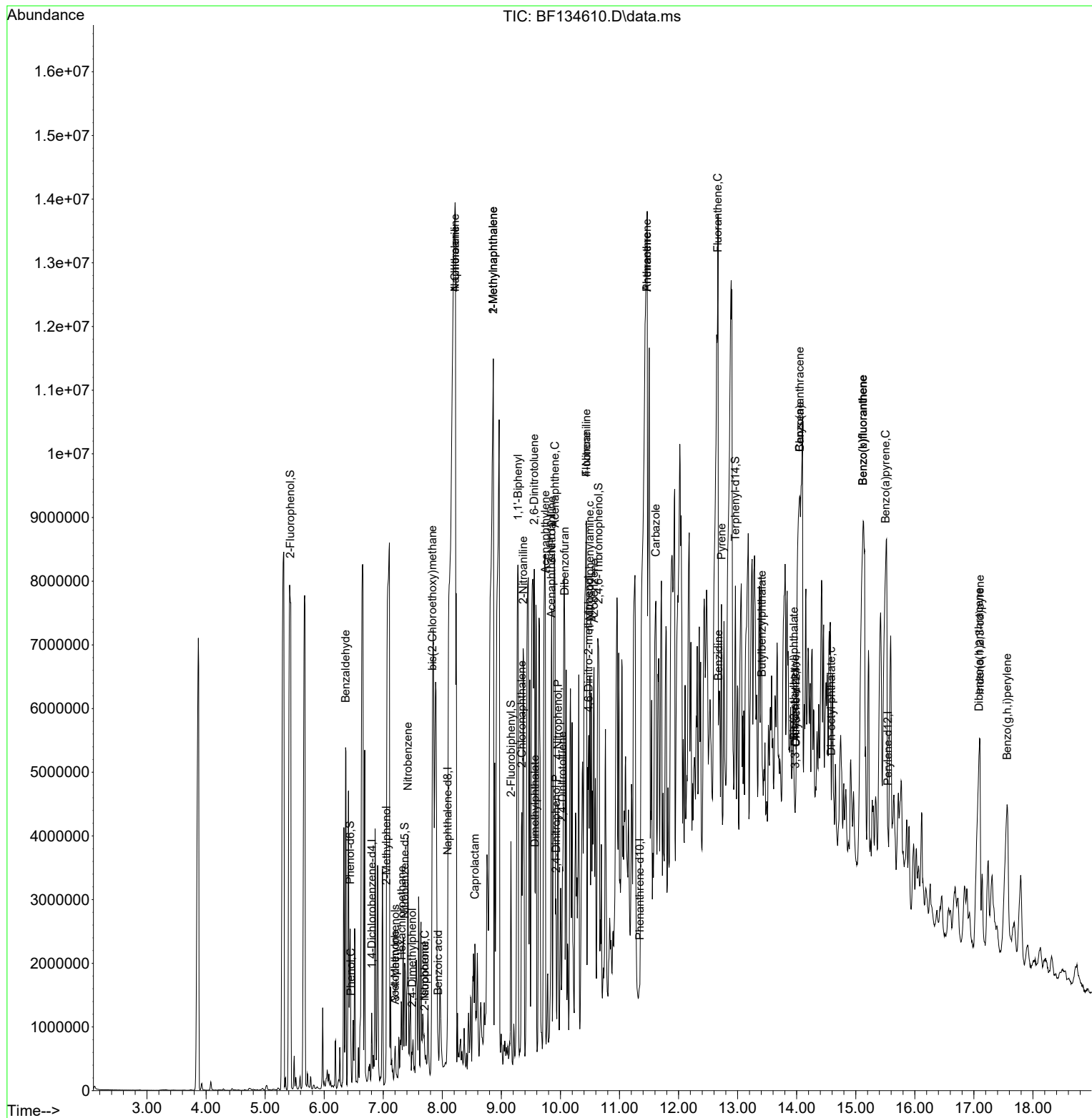
73) Carbazole	11.616	167	4605722	479.782	ng	98
75) Fluoranthene	12.663	202	18252443	1641.650	ng	93
77) Benzidine	12.674	184	17289	76.134	ng	# 1
78) Pyrene	12.727	202	1954343	2159.005	ng	94
80) Butylbenzylphthalate	13.410	149	5662	18.498	ng	# 16
81) Benzo(a)anthracene	14.051	228	11256992	15049.227	ng	94
82) 3,3'-Dichlorobenzidine	13.974	252	16188	74.661	ng	# 63
83) Chrysene	14.051	228	11256992	15446.774	ng	96
84) Bis(2-ethylhexyl)phtha...	13.957	149	6101	16.937	ng	# 37
85) Di-n-octyl phthalate	14.586	149	2884	5.265	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.104	276	4603756	346.431	ng	98
88) Benzo(b)fluoranthene	15.121	252	13155357	954.609	ng	95
89) Benzo(k)fluoranthene	15.121	252	13155357	958.282	ng	96
90) Benzo(a)pyrene	15.504	252	8722068	678.810	ng	94
91) Dibenzo(a,h)anthracene	17.086	278	1318988	122.815	ng	# 84
92) Benzo(g,h,i)perylene	17.562	276	4114801	375.604	ng	# 91

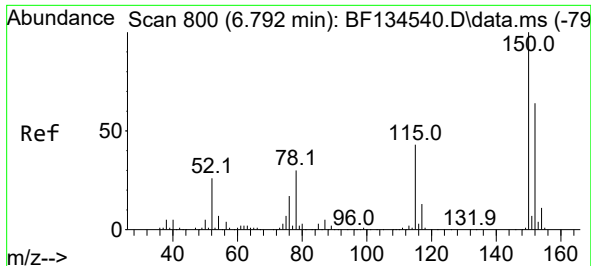
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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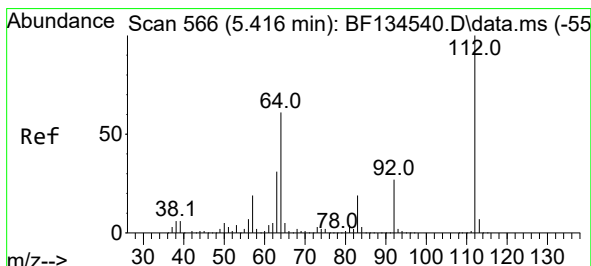
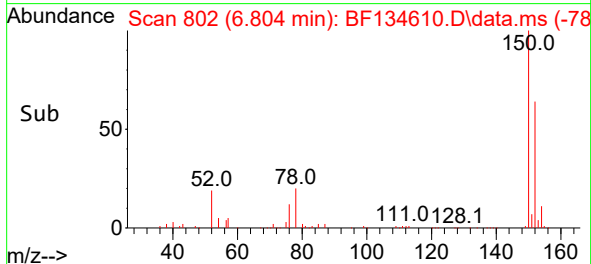
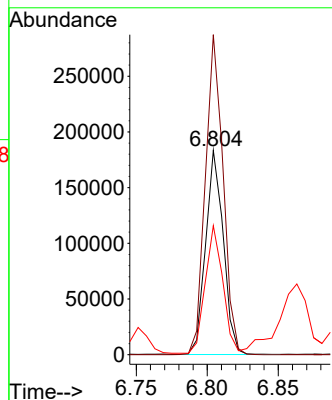
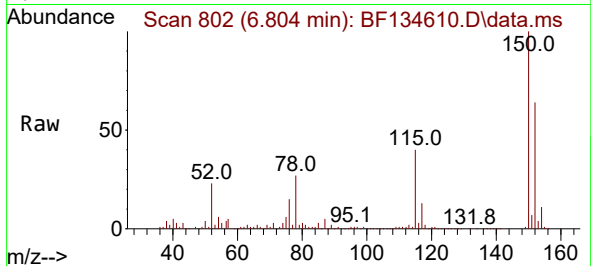




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 800
Delta R.T. 0.012 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

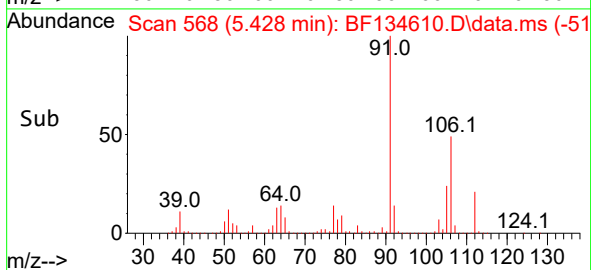
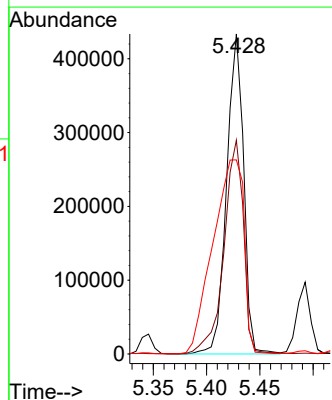
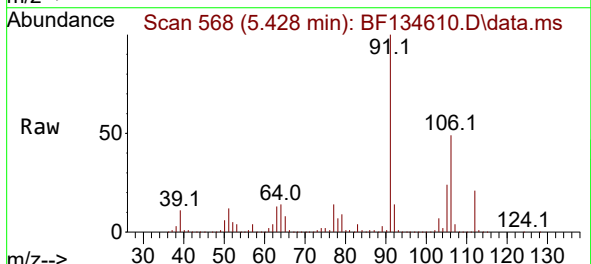
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

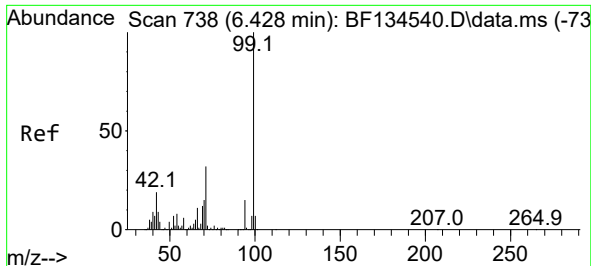
Tgt Ion:152 Resp: 158684
Ion Ratio Lower Upper
152 100
150 156.7 128.3 192.5
115 63.2 52.4 78.6



#5
2-Fluorophenol
Concen: 46.062 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.012 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:112 Resp: 480845
Ion Ratio Lower Upper
112 100
64 66.8 44.9 67.3
63 60.7 25.4 38.0#

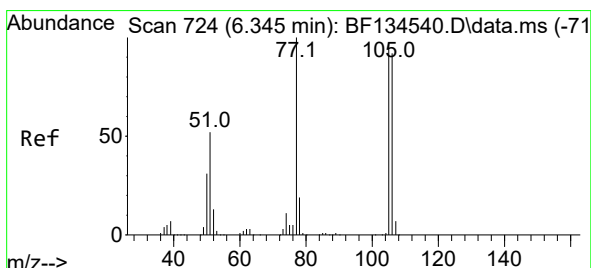
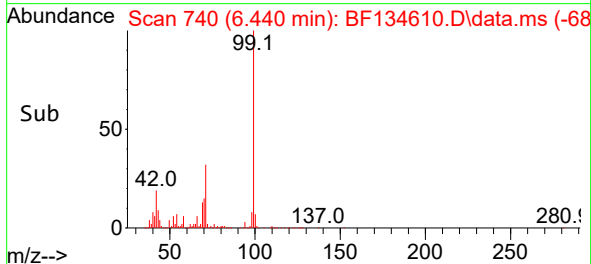
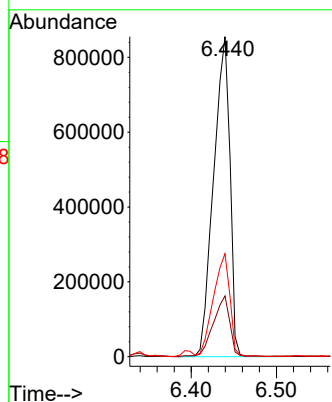
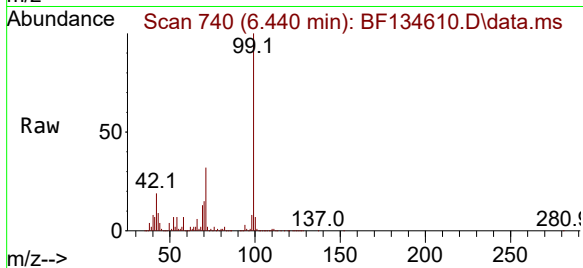




#7
Phenol-d6
Concen: 85.193 ng
RT: 6.440 min Scan# 741
Delta R.T. 0.012 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

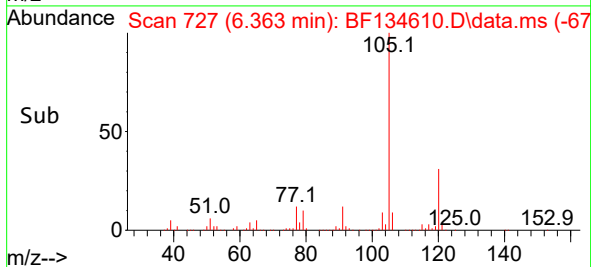
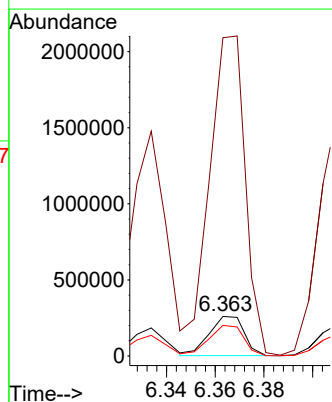
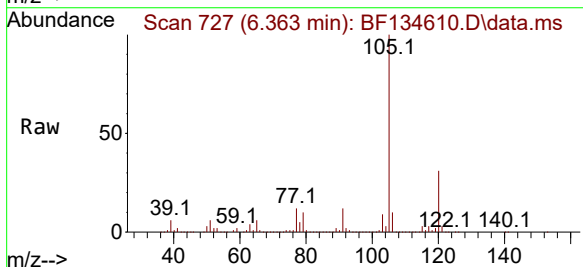
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

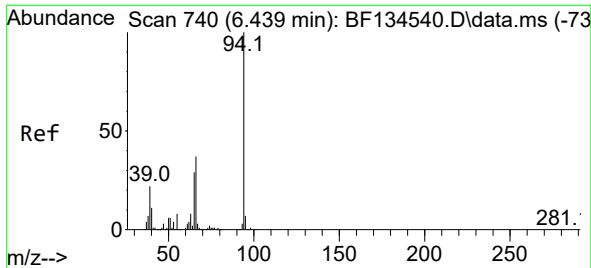
Tgt Ion: 99 Resp: 1136844
Ion Ratio Lower Upper
99 100
42 19.0 18.7 28.1
71 32.2 36.4 54.6#



#9
Benzaldehyde
Concen: 40.520 ng
RT: 6.363 min Scan# 727
Delta R.T. 0.018 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion: 77 Resp: 258772
Ion Ratio Lower Upper
77 100
105 804.9 77.1 117.1#
106 77.2 71.4 111.4

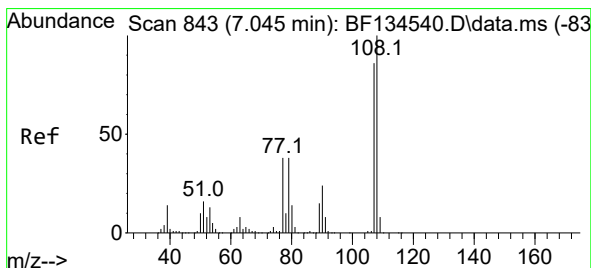
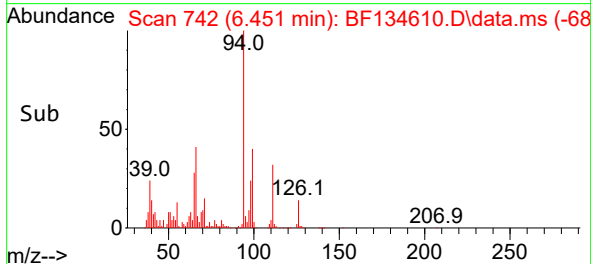
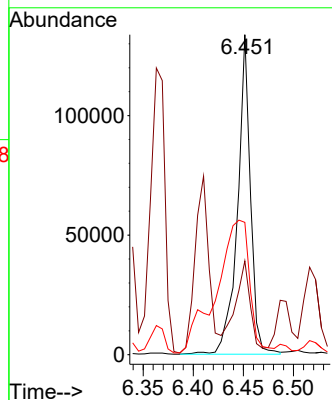
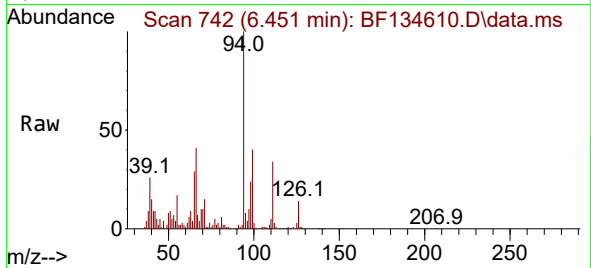




#10
Phenol
Concen: 9.117 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.012 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

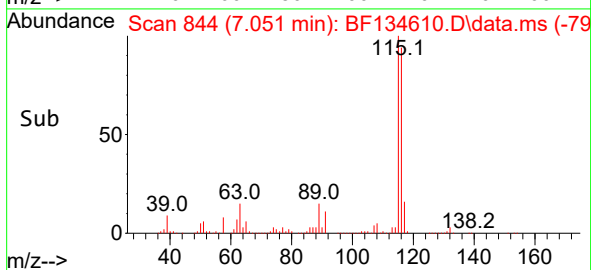
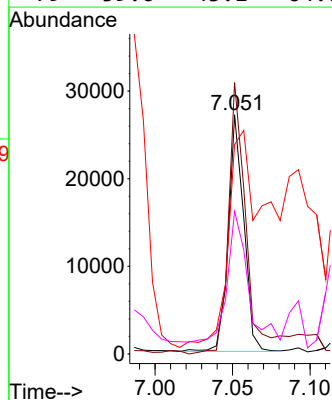
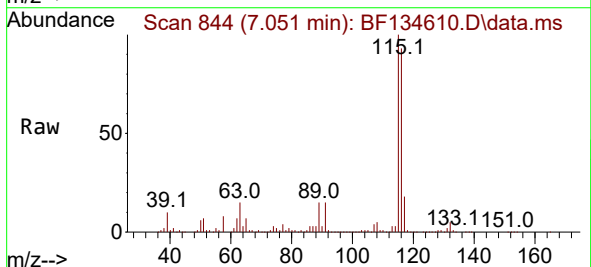
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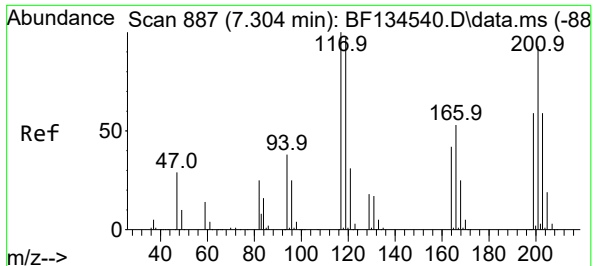
Tgt Ion: 94 Resp: 119885
Ion Ratio Lower Upper
94 100
65 29.3 17.8 57.8
66 41.3 35.2 75.2



#17
2-Methylphenol
Concen: 2.006 ng
RT: 7.051 min Scan# 844
Delta R.T. 0.006 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:107 Resp: 18670
Ion Ratio Lower Upper
107 100
108 113.4 89.4 134.2
77 87.6 42.4 63.6#
79 59.6 43.1 64.7

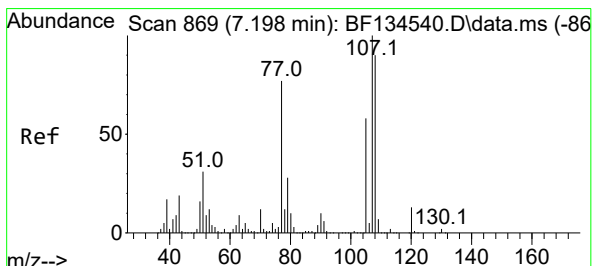
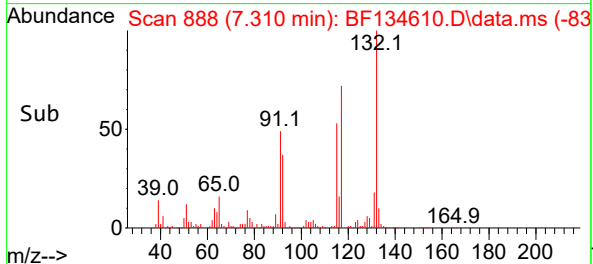
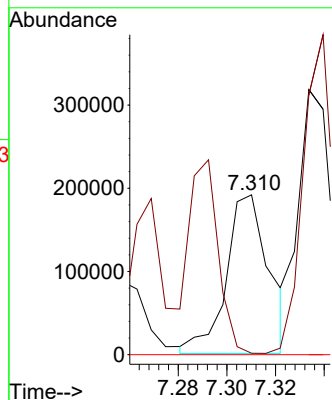
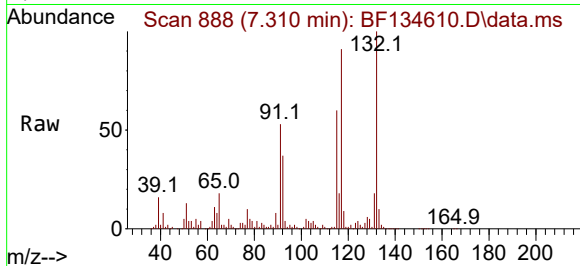




#18
Hexachloroethane
Concen: 60.602 ng
RT: 7.310 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

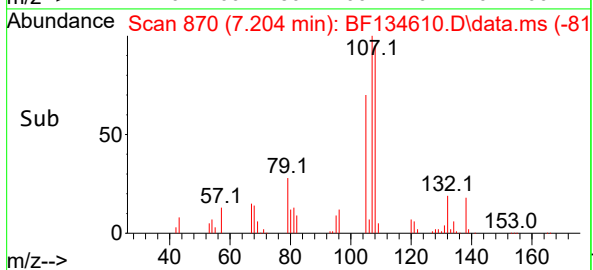
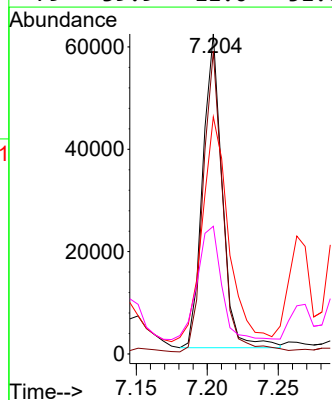
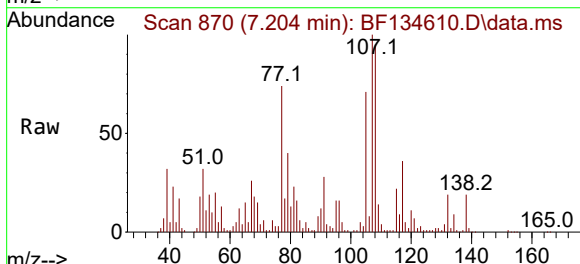
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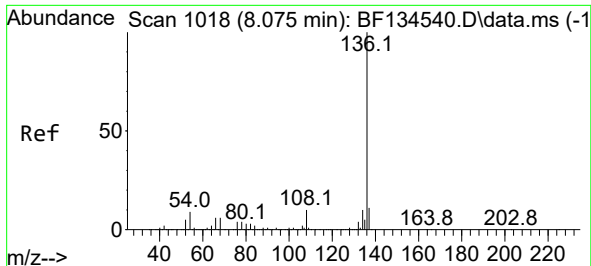
Tgt Ion:117 Resp: 232248
Ion Ratio Lower Upper
117 100
119 0.9 75.8 113.8#
201 0.0 73.6 110.4#



#20
3+4-Methylphenols
Concen: 5.244 ng
RT: 7.204 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:107 Resp: 58848
Ion Ratio Lower Upper
107 100
108 94.6 68.1 108.1
77 74.1 122.1 162.1#
79 39.9 11.0 51.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.092 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

Tgt Ion:136 Resp: 105163

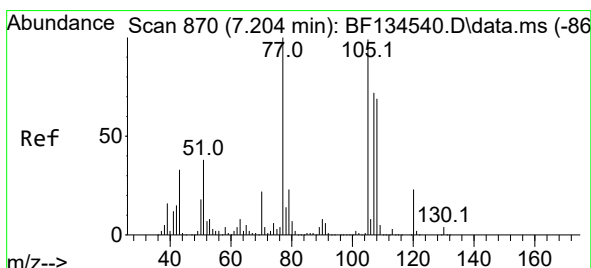
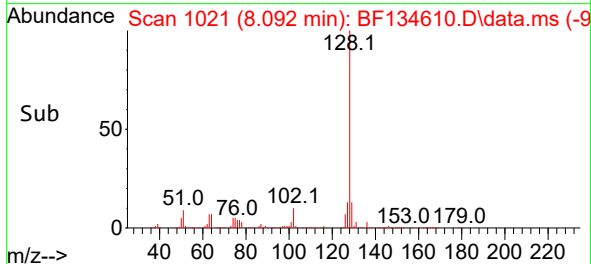
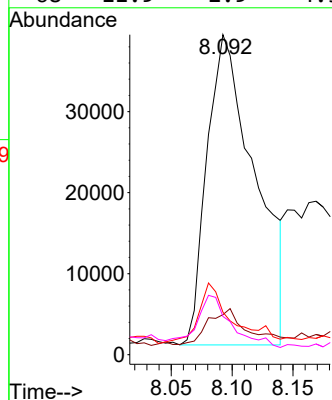
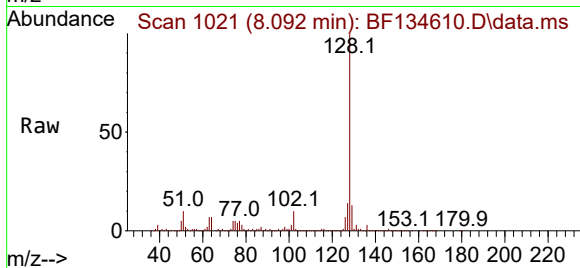
Ion Ratio Lower Upper

136 100

137 12.5 8.4 12.6

54 13.3 5.2 7.8#

68 11.9 2.9 4.3#



#22

Acetophenone

Concen: 40.805 ng

RT: 7.198 min Scan# 869

Delta R.T. -0.006 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

Tgt Ion:105 Resp: 99065

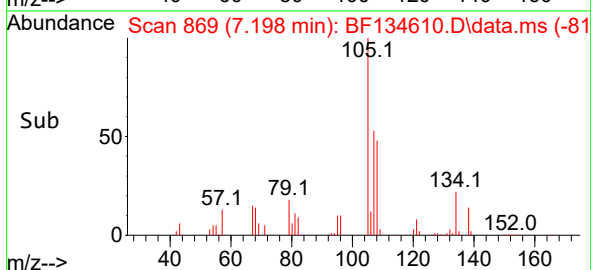
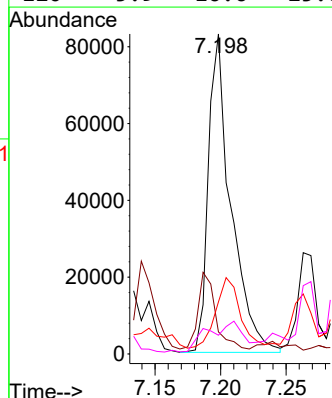
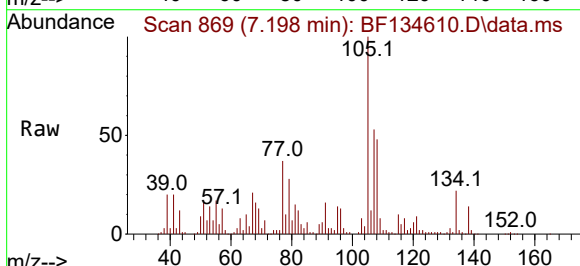
Ion Ratio Lower Upper

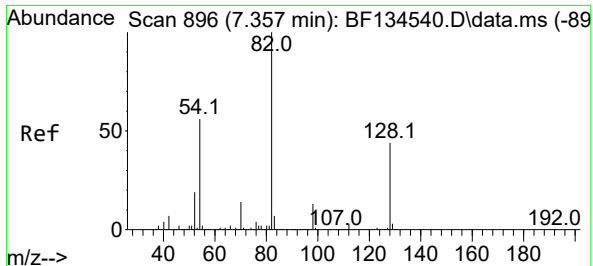
105 100

71 6.9 7.4 11.0#

51 16.3 36.4 54.6#

120 5.9 16.6 25.0#





#23

Nitrobenzene-d5

Concen: 352.847 ng

RT: 7.363 min Scan# 896

Delta R.T. 0.006 min

Lab File: BF134610.D

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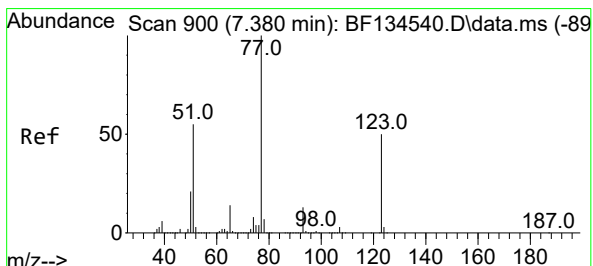
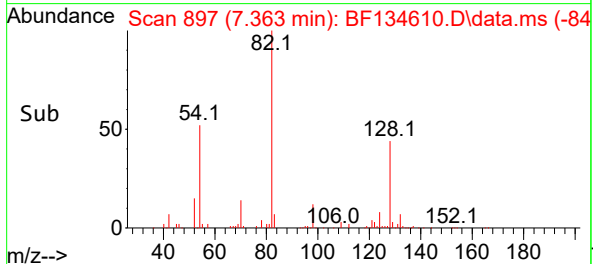
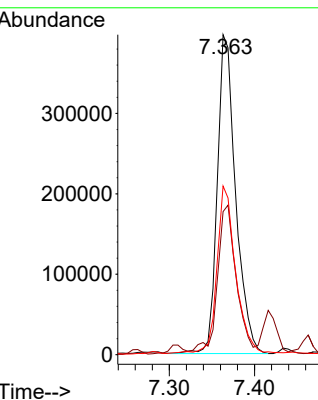
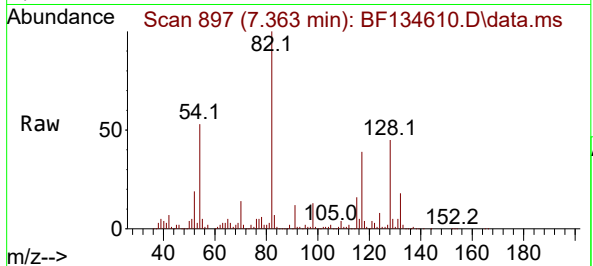
Tgt Ion: 82 Resp: 593773

Ion Ratio Lower Upper

82 100

128 44.7 34.3 51.5

54 52.7 43.8 65.6



#24

Nitrobenzene

Concen: 53.719 ng

RT: 7.416 min Scan# 906

Delta R.T. 0.035 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

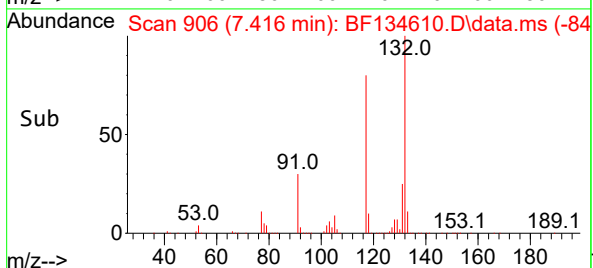
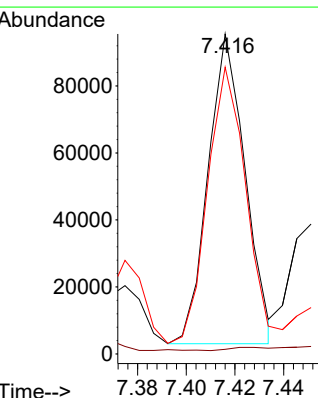
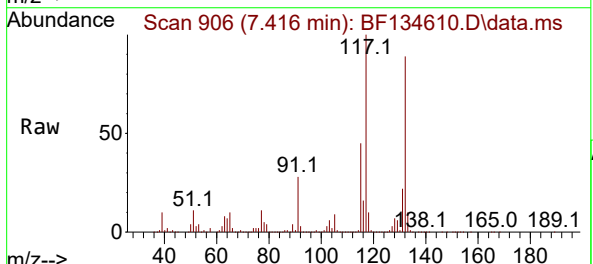
Tgt Ion: 77 Resp: 97662

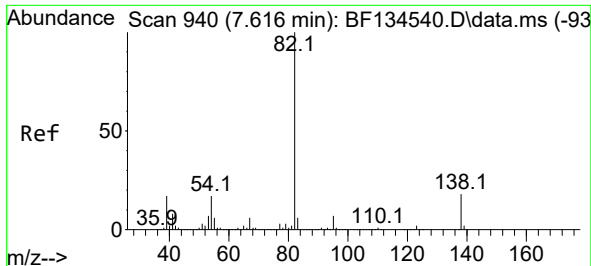
Ion Ratio Lower Upper

77 100

123 1.4 35.5 53.3#

65 89.6 11.9 17.9#

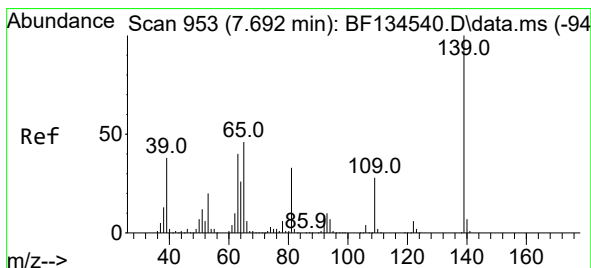
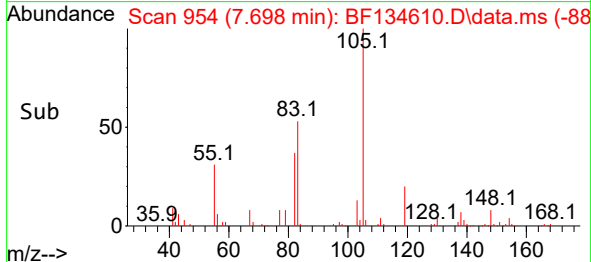
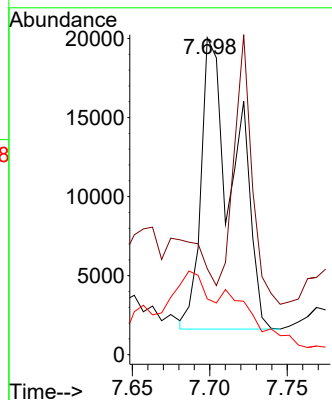
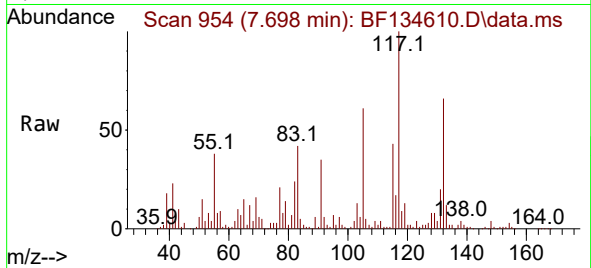




#25
Isophorone
Concen: 7.665 ng
RT: 7.698 min Scan# 91
Delta R.T. 0.083 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

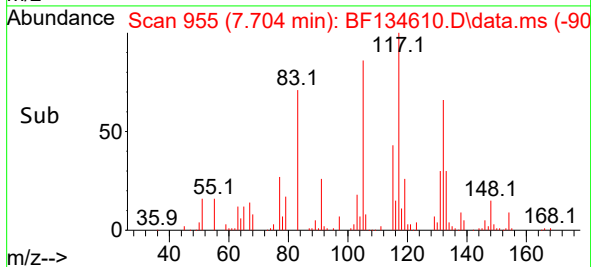
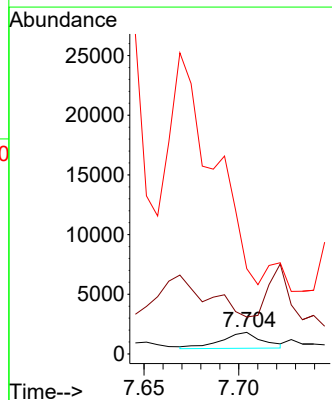
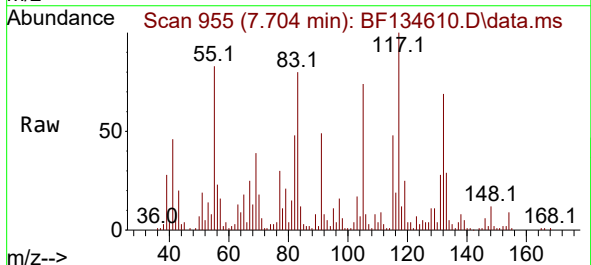
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

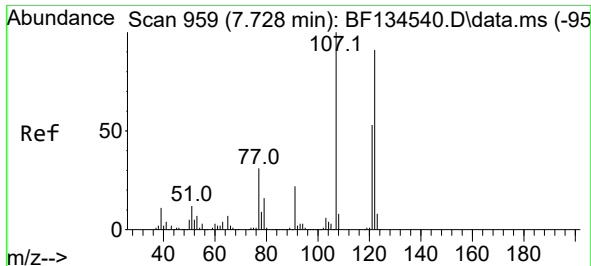
Tgt Ion: 82 Resp: 28135
Ion Ratio Lower Upper
82 100
95 27.1 6.0 9.0#
138 17.6 14.6 22.0



#26
2-Nitrophenol
Concen: 7.163 ng
RT: 7.704 min Scan# 955
Delta R.T. 0.012 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion: 139 Resp: 2037
Ion Ratio Lower Upper
139 100
109 170.8 29.8 44.6#
65 393.8 45.4 68.2#

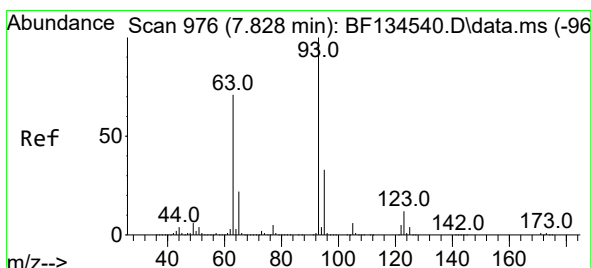
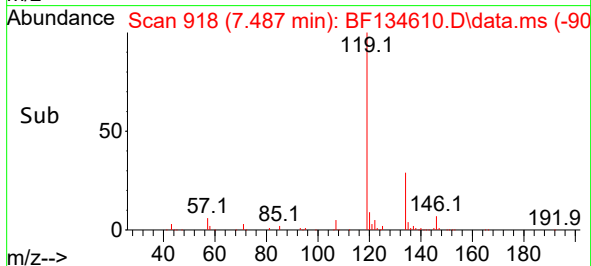
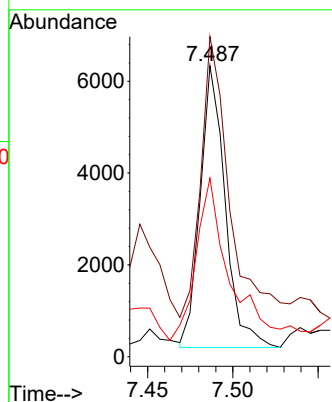
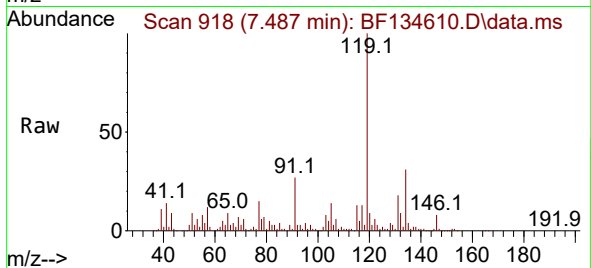




#27
2,4-Dimethylphenol
Concen: 3.814 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.241 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

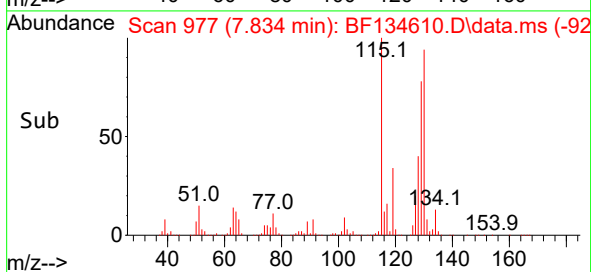
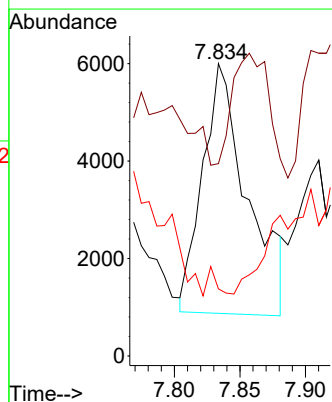
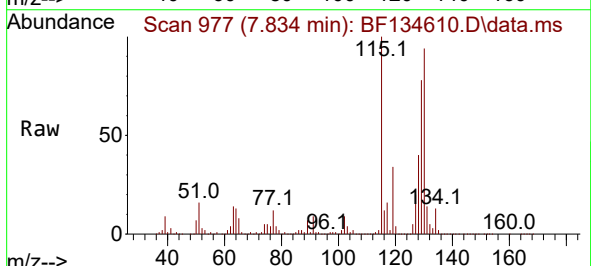
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

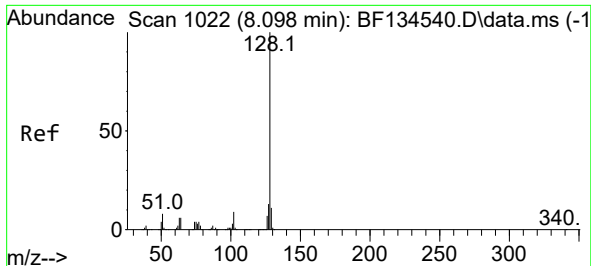
Tgt Ion:122 Resp: 6246
Ion Ratio Lower Upper
122 100
107 110.0 106.7 160.1
121 61.4 49.0 73.6



#28
bis(2-Chloroethoxy)methane
Concen: 5.544 ng
RT: 7.834 min Scan# 977
Delta R.T. 0.006 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion: 93 Resp: 12172
Ion Ratio Lower Upper
93 100
95 65.8 26.5 39.7#
123 22.9 9.6 14.4#

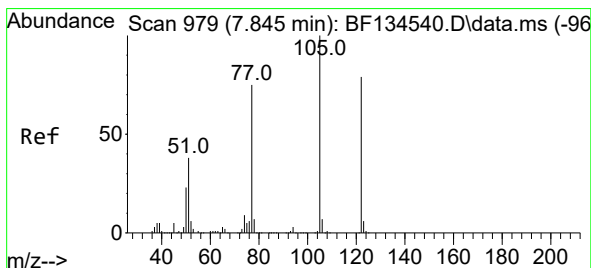
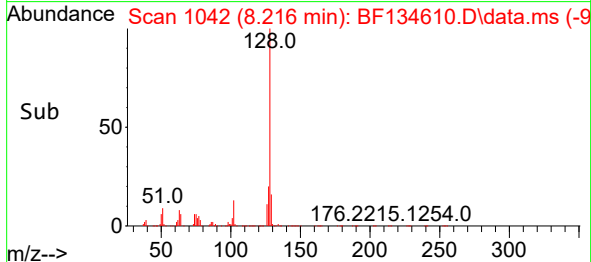
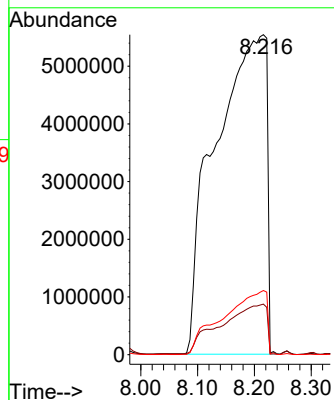
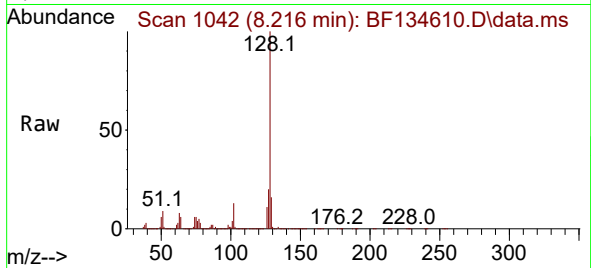




#31
Naphthalene
Concen: 6550.025 ng
RT: 8.216 min Scan# 1042
Delta R.T. 0.118 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

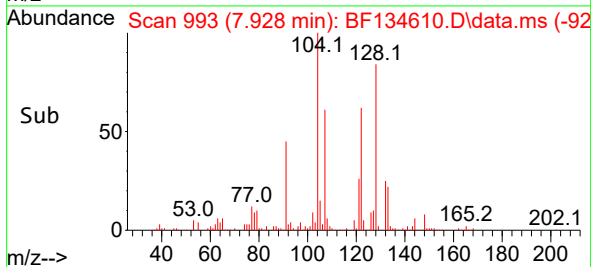
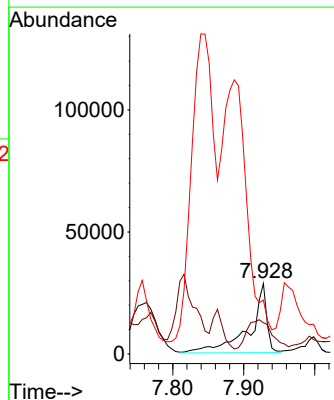
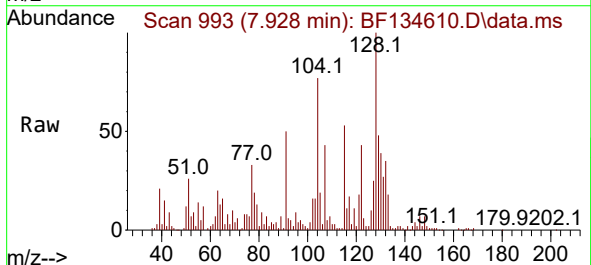
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

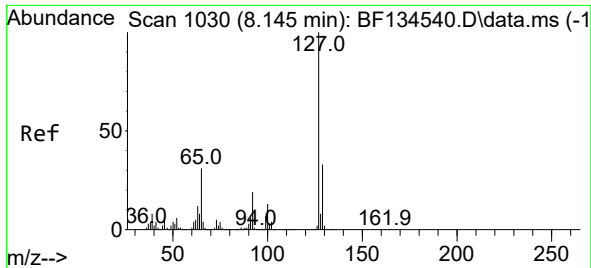
Tgt Ion:128 Resp:34618817
Ion Ratio Lower Upper
128 100
129 15.8 8.4 12.6#
127 20.1 10.7 16.1#



#32
Benzoic acid
Concen: 46.168 ng
RT: 7.928 min Scan# 993
Delta R.T. 0.083 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:122 Resp: 48937
Ion Ratio Lower Upper
122 100
105 44.3 87.5 127.5#
77 76.4 71.4 111.4

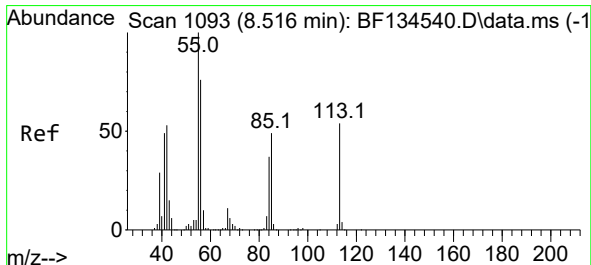
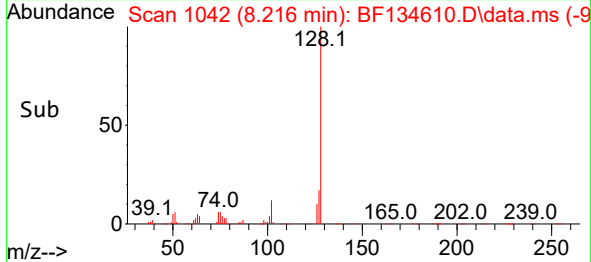
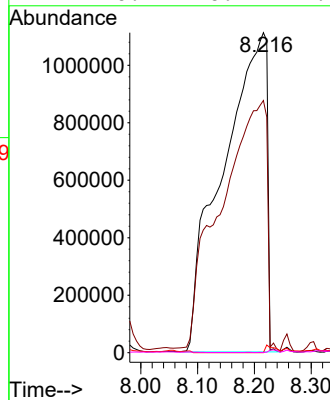
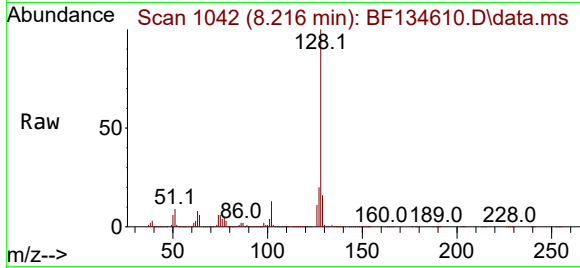




#33
4-Chloroaniline
Concen: 2535.955 ng
RT: 8.216 min Scan# 1042
Delta R.T. 0.071 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

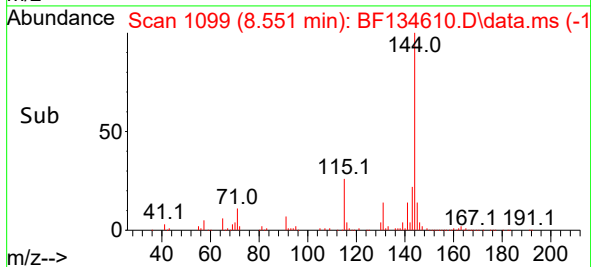
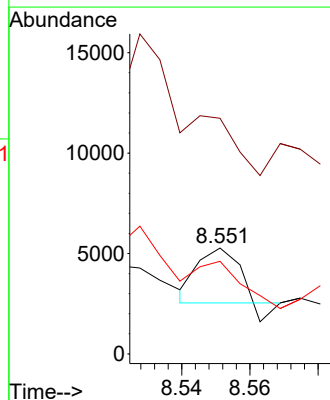
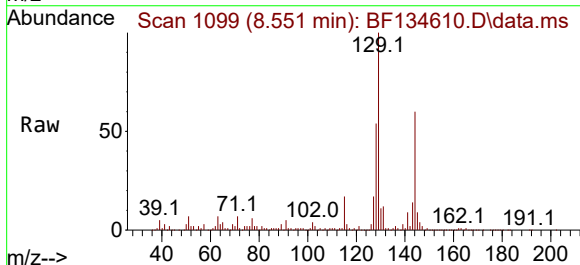
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

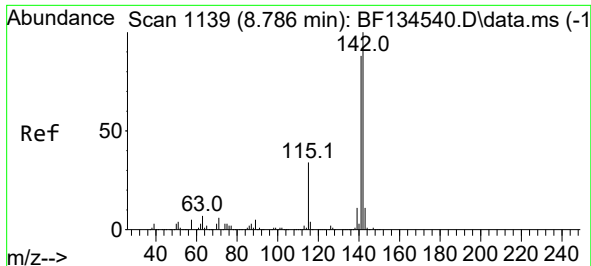
Tgt Ion:127 Resp: 5972120
Ion Ratio Lower Upper
127 100
129 78.8 25.6 38.4#
65 0.0 25.4 38.0#
92 0.1 16.2 24.4#



#35
Caprolactam
Concen: 4.271 ng
RT: 8.551 min Scan# 1099
Delta R.T. 0.035 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:113 Resp: 2048
Ion Ratio Lower Upper
113 100
55 222.7 161.5 201.5#
56 87.5 117.8 157.8#

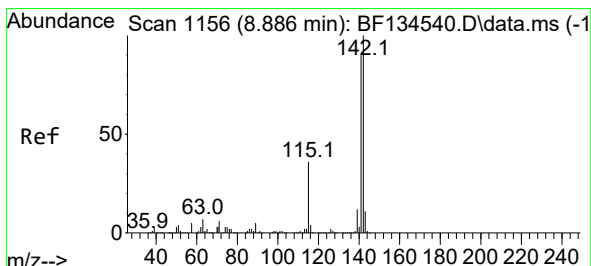
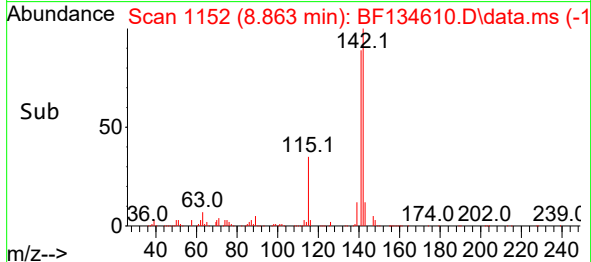
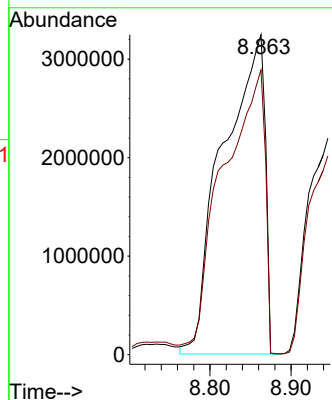
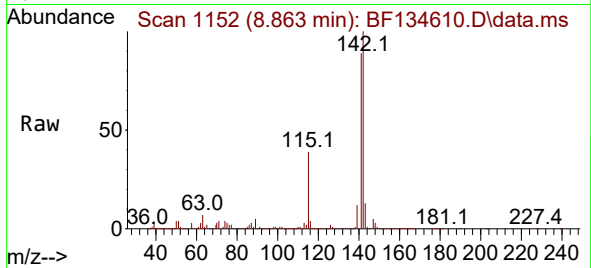




#37
2-Methylnaphthalene
Concen: 3299.260 ng
RT: 8.863 min Scan# 1152
Delta R.T. 0.077 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

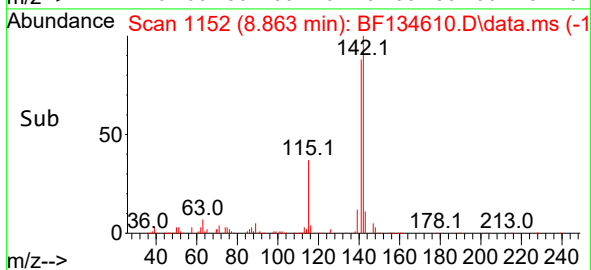
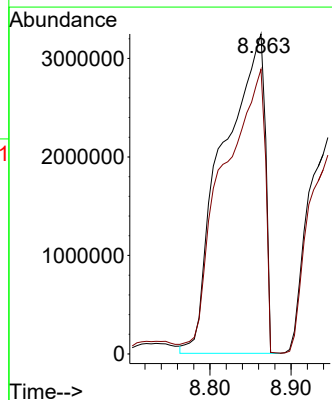
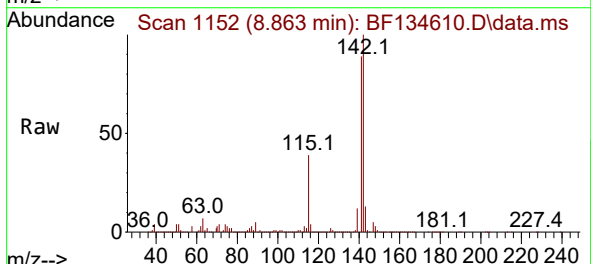
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

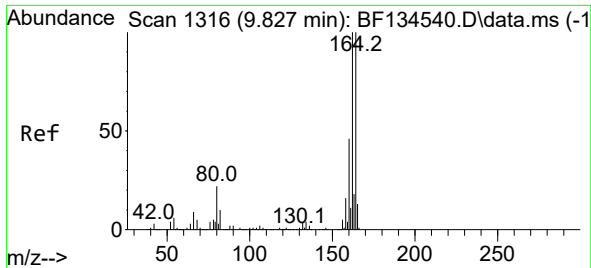
Tgt Ion:142 Resp:11558280
Ion Ratio Lower Upper
142 100
141 89.0 70.8 106.2



#38
1-Methylnaphthalene
Concen: 3548.002 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.023 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:142 Resp:11558280
Ion Ratio Lower Upper
142 100
141 89.0 71.4 107.2

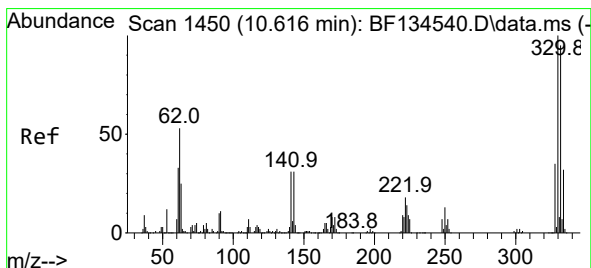
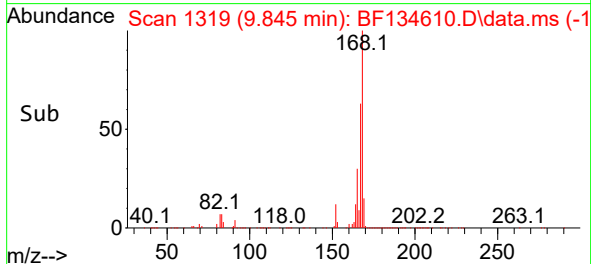
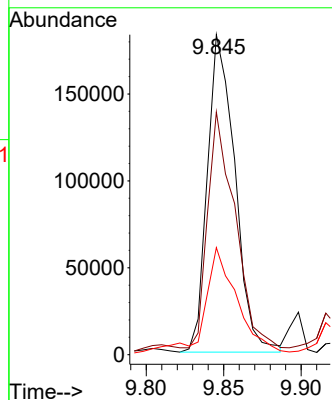
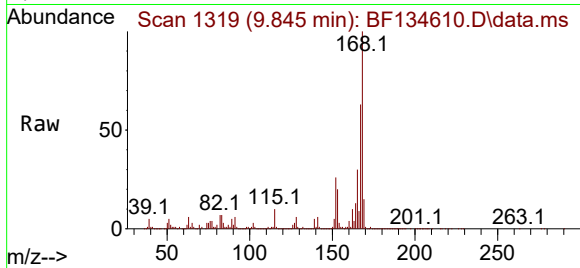




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

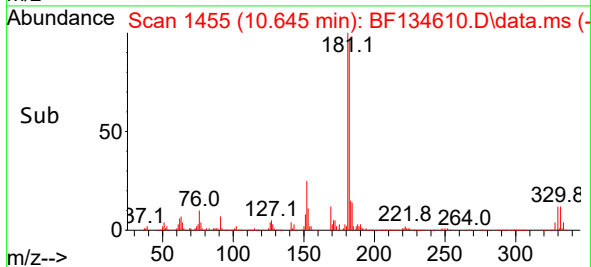
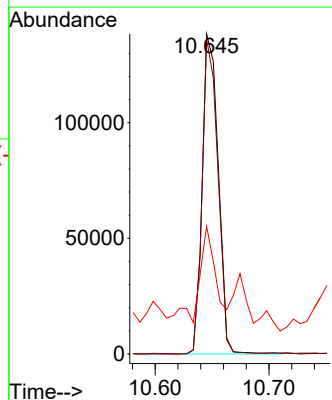
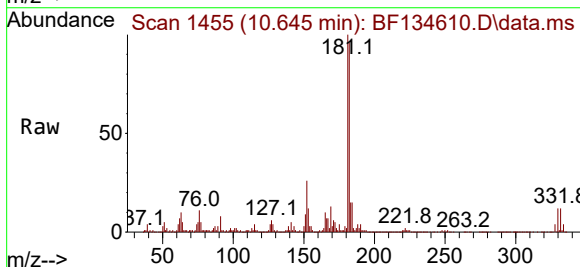
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

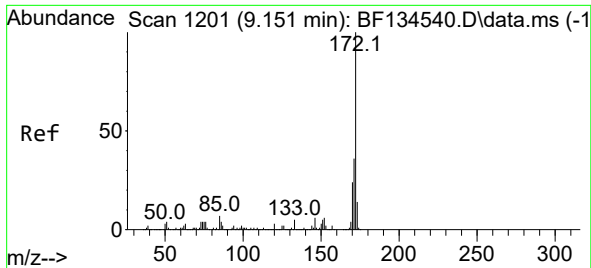
Tgt Ion:164 Resp: 225931
Ion Ratio Lower Upper
164 100
162 75.8 82.6 123.8#
160 33.5 37.2 55.8#



#42
2,4,6-Tribromophenol
Concen: 58.984 ng
RT: 10.645 min Scan# 1455
Delta R.T. 0.030 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:330 Resp: 135848
Ion Ratio Lower Upper
330 100
332 96.0 78.8 118.2
141 28.7 25.4 38.2

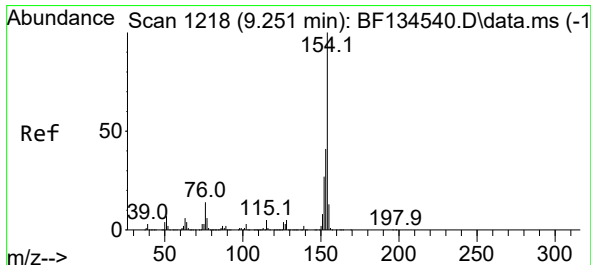
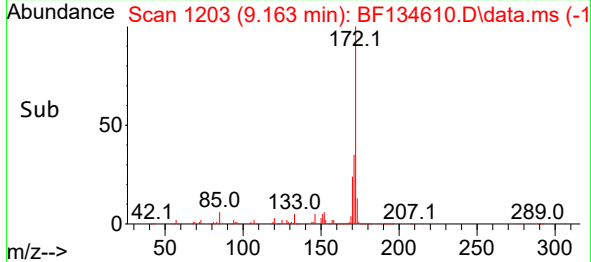
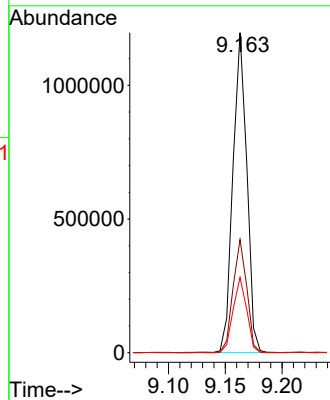
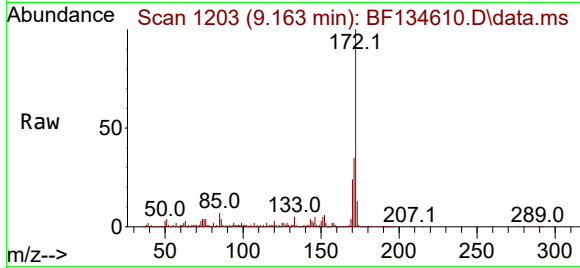




#45
2-Fluorobiphenyl
Concen: 74.424 ng
RT: 9.163 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

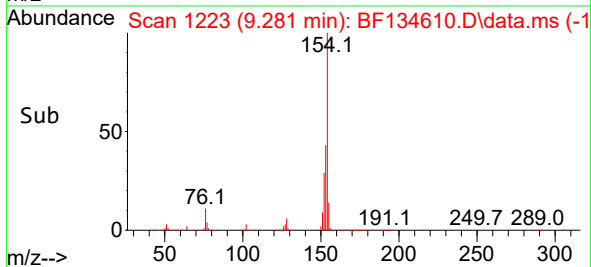
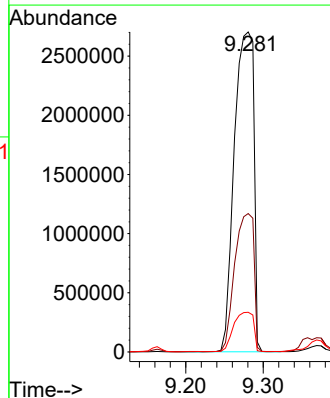
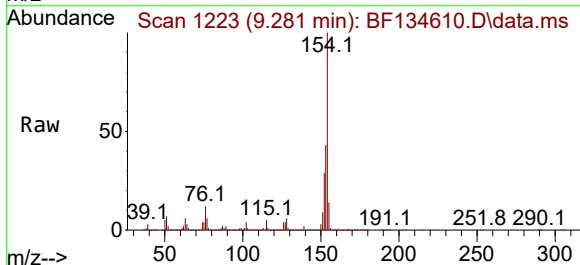
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

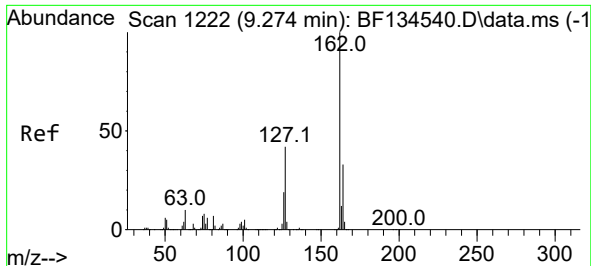
Tgt Ion:172 Resp: 1011289
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.5 18.7 28.1



#46
1,1'-Biphenyl
Concen: 269.833 ng
RT: 9.281 min Scan# 1223
Delta R.T. 0.030 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:154 Resp: 4740705
Ion Ratio Lower Upper
154 100
153 43.3 20.8 60.8
76 12.4 0.0 30.2





#47

2-Chloronaphthalene

Concen: 59.528 ng

RT: 9.345 min Scan# 1234

Delta R.T. 0.071 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

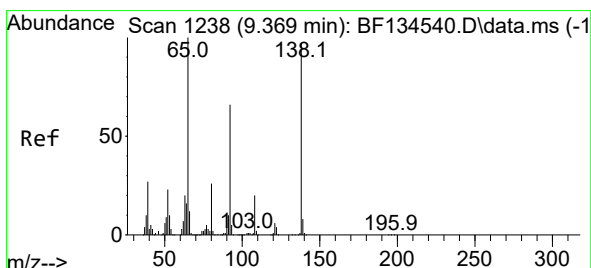
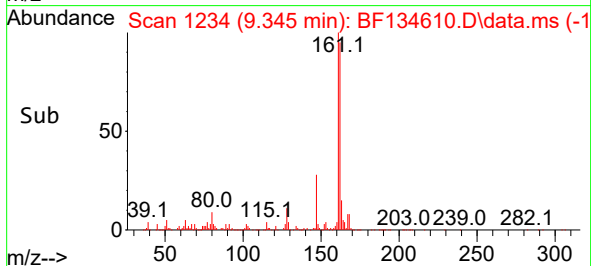
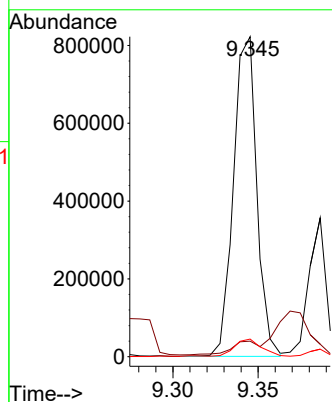
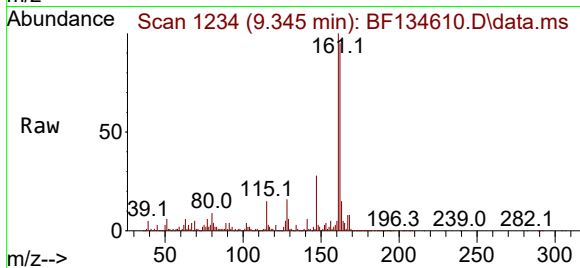
Tgt Ion:162 Resp: 783659

Ion Ratio Lower Upper

162 100

127 4.8 34.0 51.0#

164 5.5 25.7 38.5#



#48

2-Nitroaniline

Concen: 10.470 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.000 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

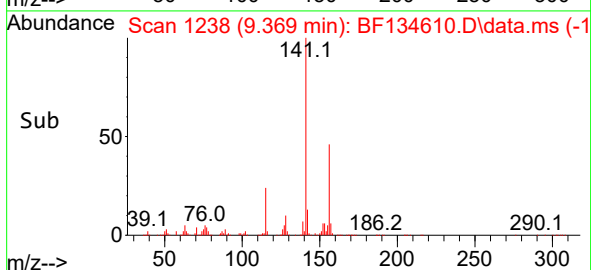
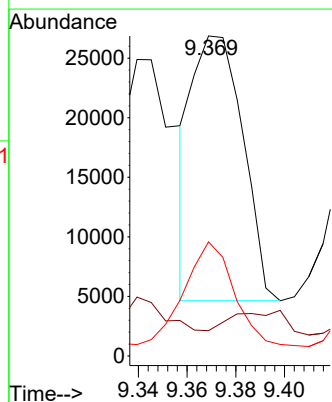
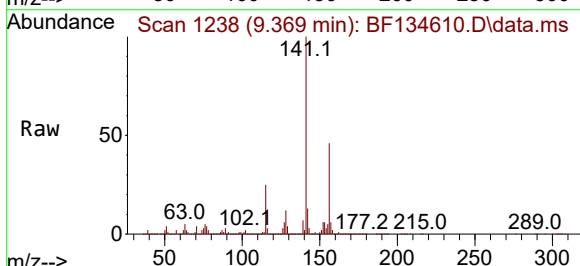
Tgt Ion: 65 Resp: 32093

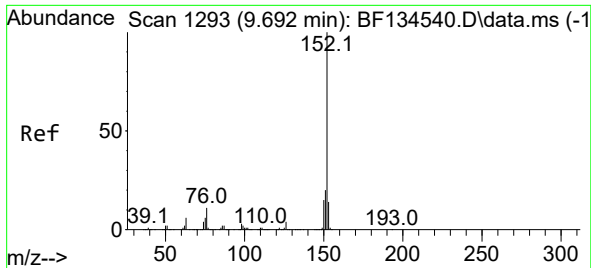
Ion Ratio Lower Upper

65 100

92 7.9 50.7 76.1#

138 35.7 78.2 117.4#





#49

Acenaphthylene

Concen: 322.643 ng

RT: 9.745 min Scan# 11

Delta R.T. 0.053 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

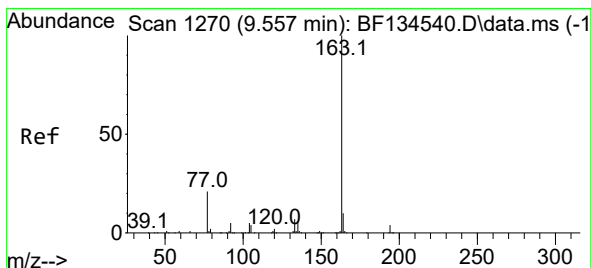
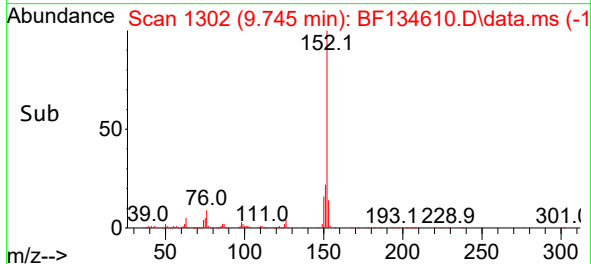
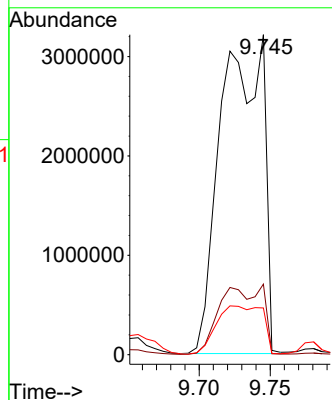
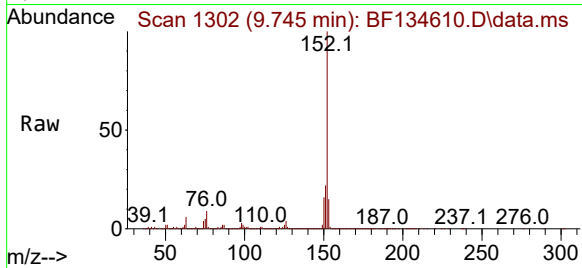
Tgt Ion:152 Resp: 6676514

Ion Ratio Lower Upper

152 100

151 22.1 16.4 24.6

153 14.6 10.9 16.3



#50

Dimethylphthalate

Concen: 2.414 ng

RT: 9.569 min Scan# 1272

Delta R.T. 0.012 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

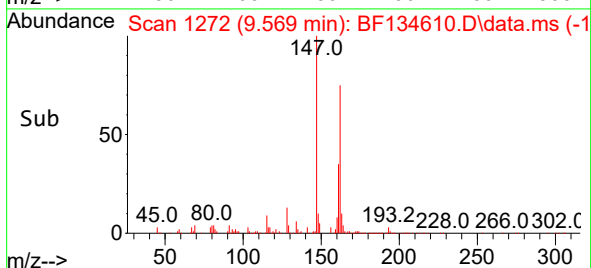
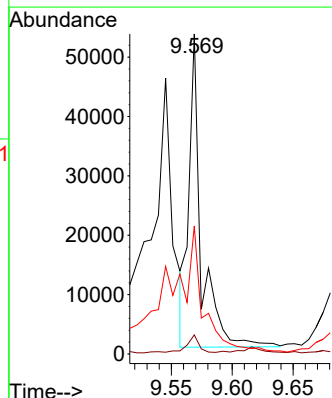
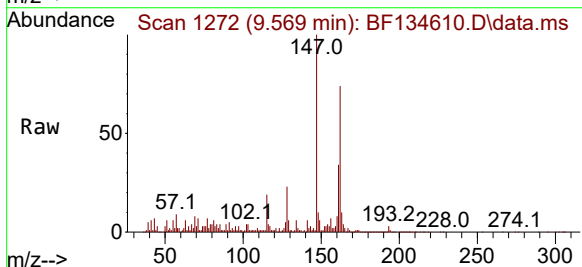
Tgt Ion:163 Resp: 37166

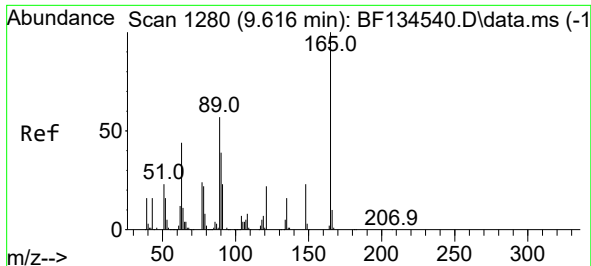
Ion Ratio Lower Upper

163 100

194 5.9 3.3 4.9#

164 40.0 7.5 11.3#

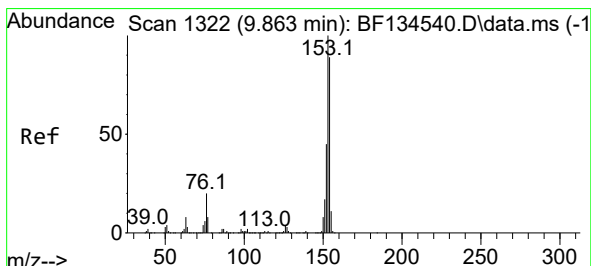
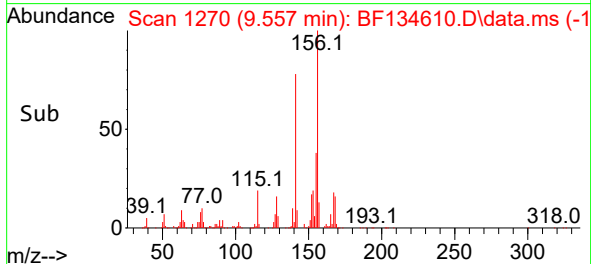
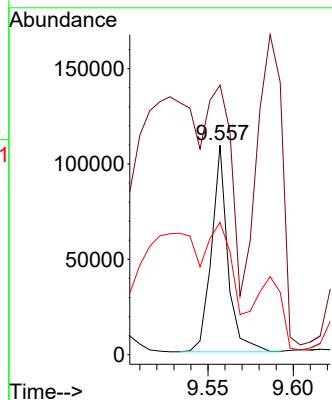
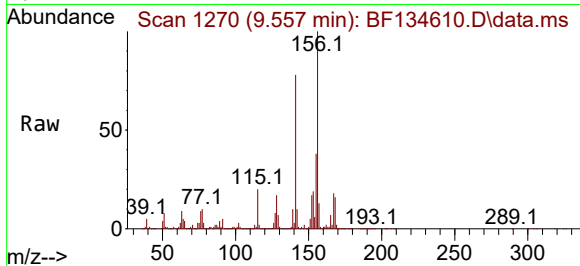




#51
2,6-Dinitrotoluene
Concen: 24.180 ng
RT: 9.557 min Scan# 11
Delta R.T. -0.059 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

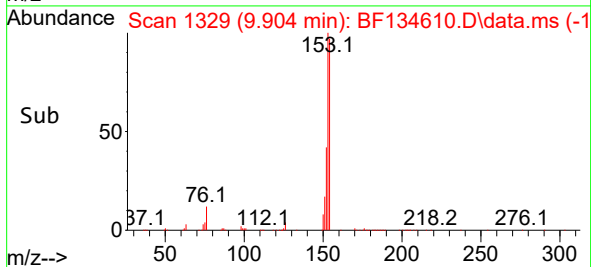
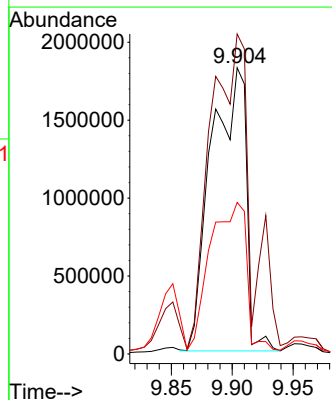
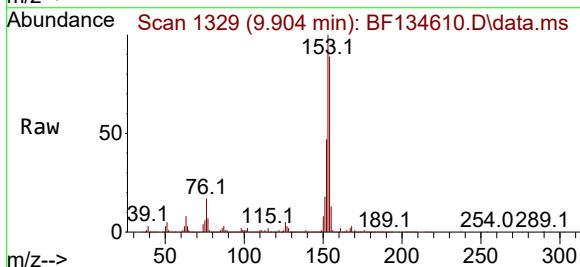
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

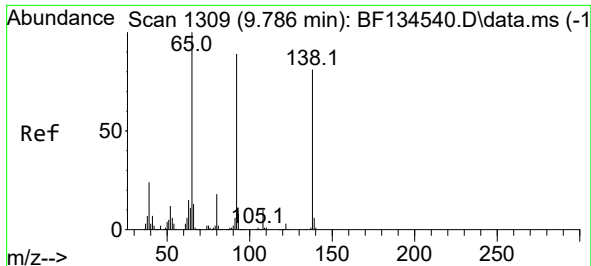
Tgt Ion:165 Resp: 72167
Ion Ratio Lower Upper
165 100
63 128.7 57.8 86.6#
89 63.2 51.8 77.8



#52
Acenaphthene
Concen: 269.437 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.041 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:154 Resp: 3613198
Ion Ratio Lower Upper
154 100
153 111.8 90.0 135.0
152 52.9 42.4 63.6

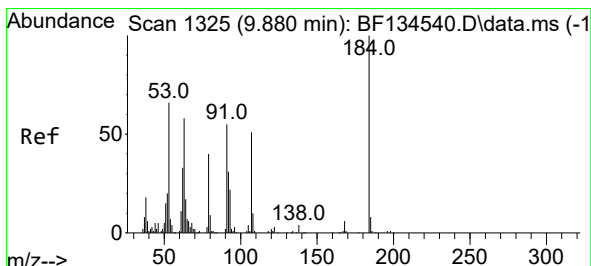
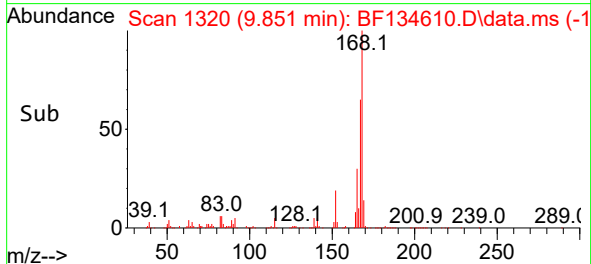
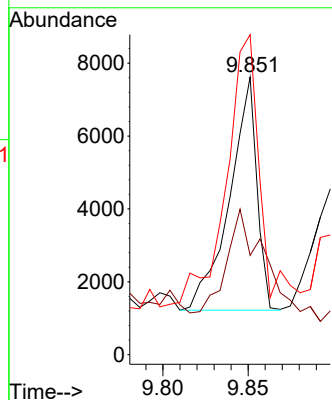
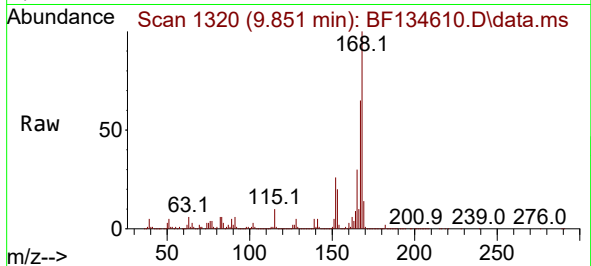




#53
3-Nitroaniline
Concen: 2.076 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.065 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

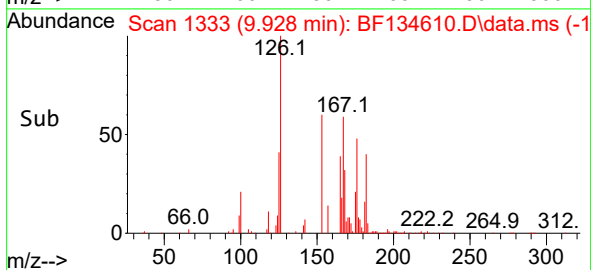
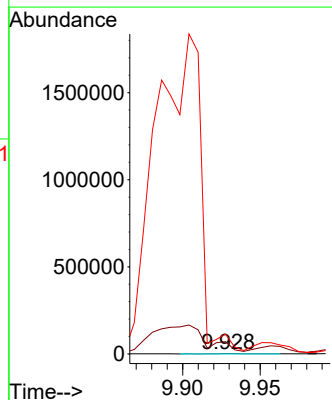
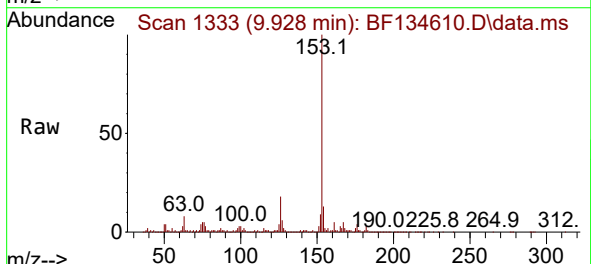
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

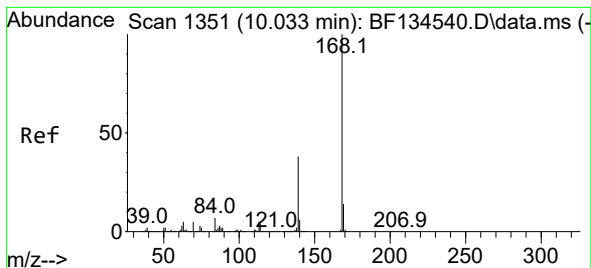
Tgt Ion:138 Resp: 7126
Ion Ratio Lower Upper
138 100
108 35.8 9.3 13.9#
92 115.2 86.6 129.8



#54
2,4-Dinitrophenol
Concen: 10.106 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.048 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:184 Resp: 3173
Ion Ratio Lower Upper
184 100
63 4905.8 57.1 85.7#
154 7861.2 59.1 88.7#





#55

Dibenzenofuran

Concen: 206.286 ng

RT: 10.075 min Scan# 11

Delta R.T. 0.041 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

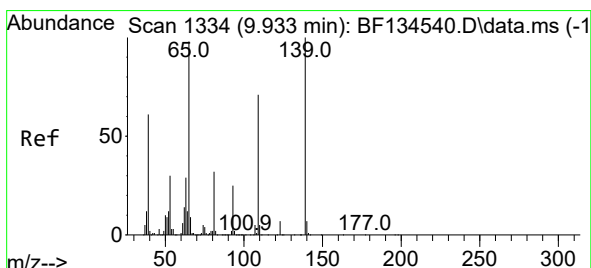
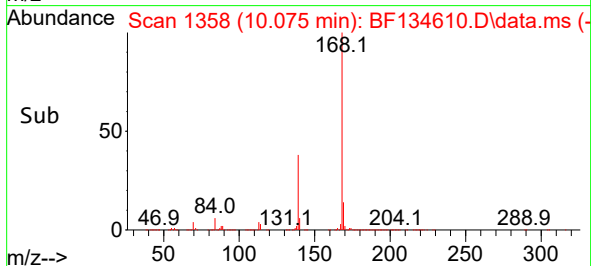
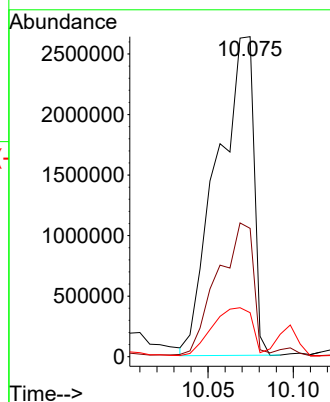
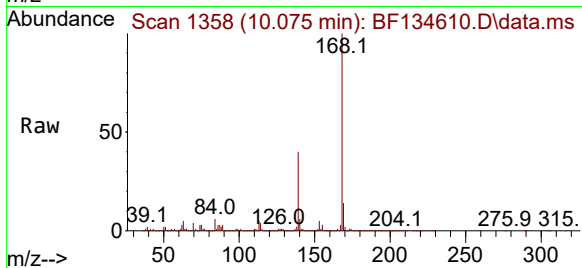
Tgt Ion:168 Resp: 3938017

Ion Ratio Lower Upper

168 100

139 40.1 33.4 50.2

169 13.7 10.6 15.8



#56

4-Nitrophenol

Concen: 23.053 ng

RT: 9.957 min Scan# 1338

Delta R.T. 0.024 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

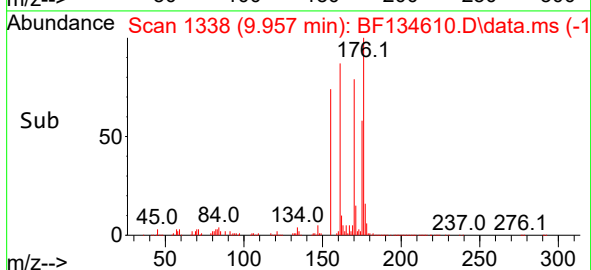
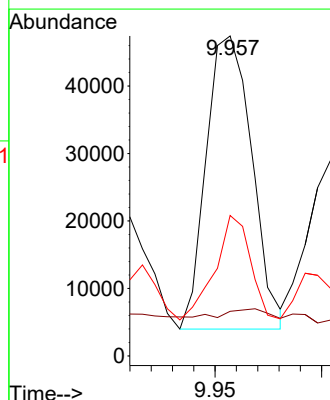
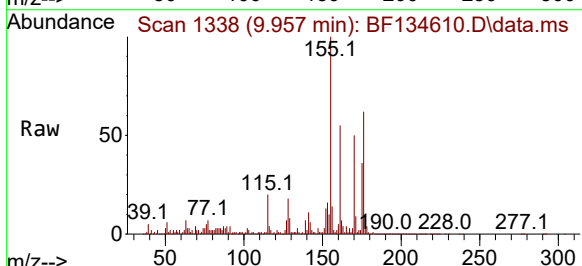
Tgt Ion:139 Resp: 64714

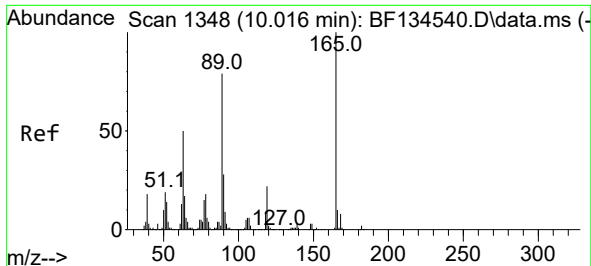
Ion Ratio Lower Upper

139 100

109 14.0 76.9 116.9#

65 43.9 98.5 138.5#

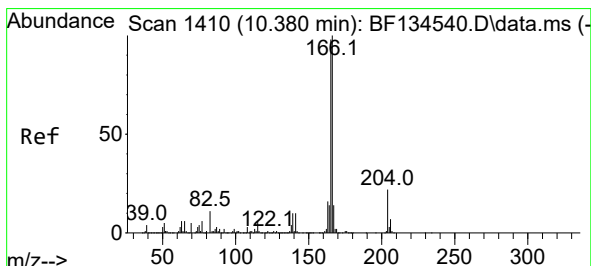
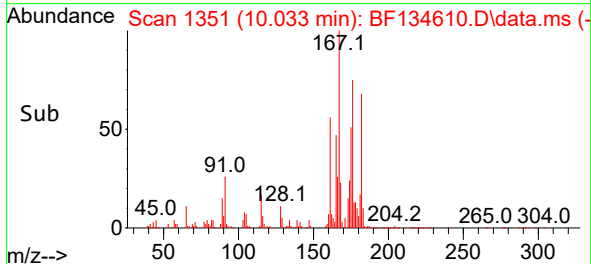
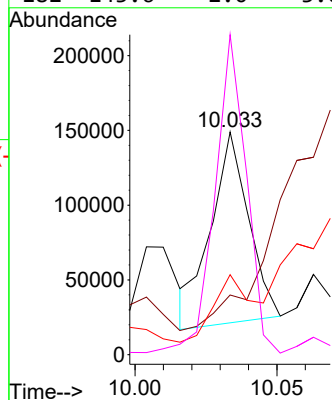
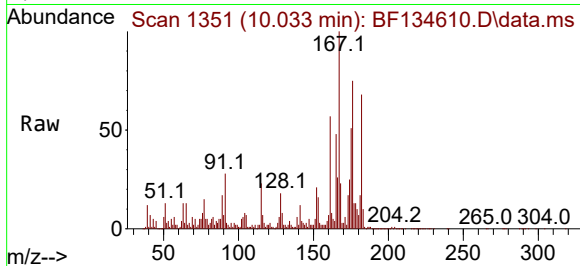




#57
2,4-Dinitrotoluene
Concen: 32.044 ng
RT: 10.033 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

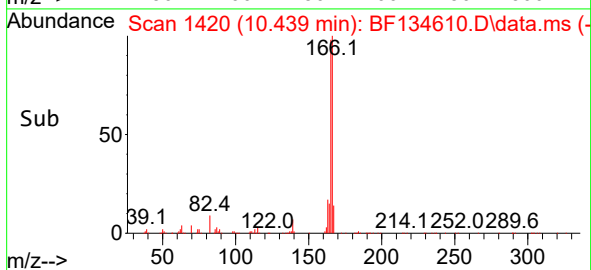
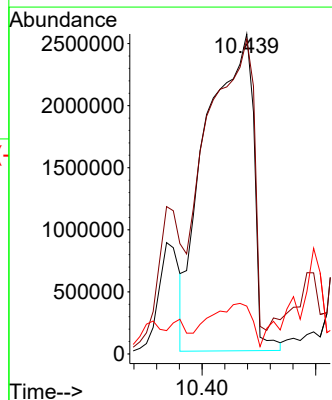
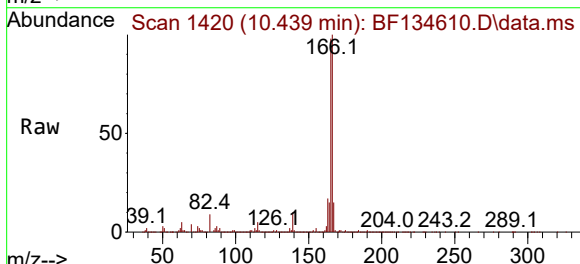
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

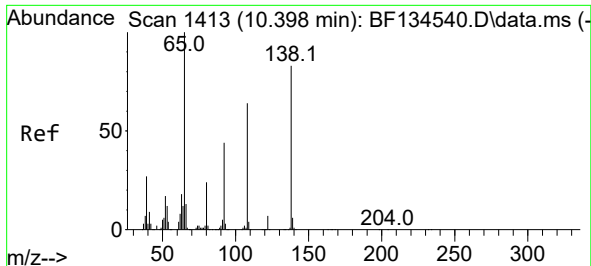
Tgt Ion:165 Resp: 118275
Ion Ratio Lower Upper
165 100
63 26.8 48.9 73.3#
89 35.9 61.7 92.5#
182 143.6 2.0 3.0#



#58
Fluorene
Concen: 529.617 ng
RT: 10.439 min Scan# 1420
Delta R.T. 0.059 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:166 Resp: 7364277
Ion Ratio Lower Upper
166 100
165 98.4 74.5 111.7
167 15.0 10.6 16.0

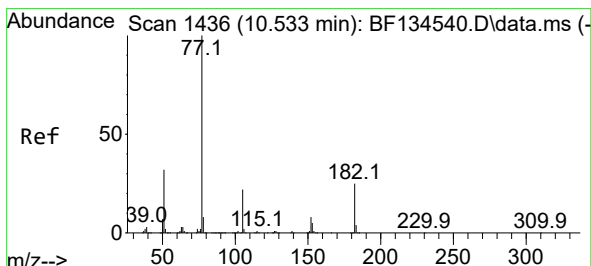
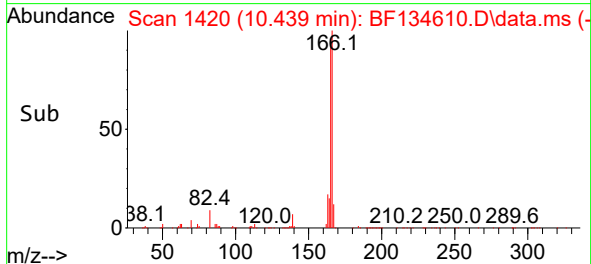
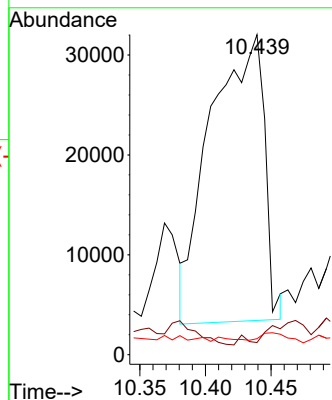
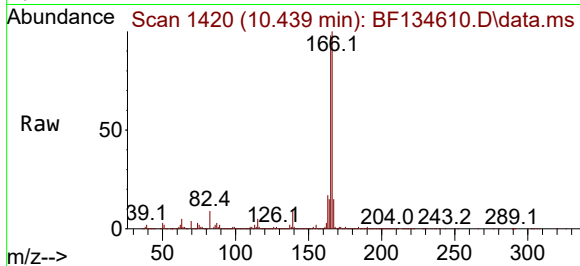




#62
4-Nitroaniline
Concen: 24.267 ng
RT: 10.439 min Scan# 1413
Delta R.T. 0.041 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

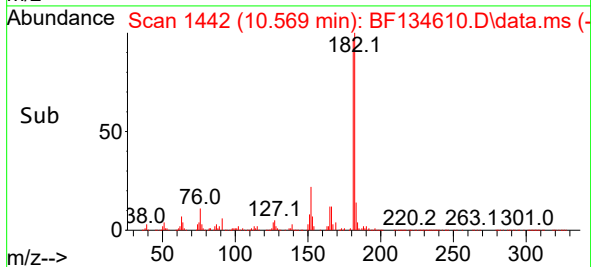
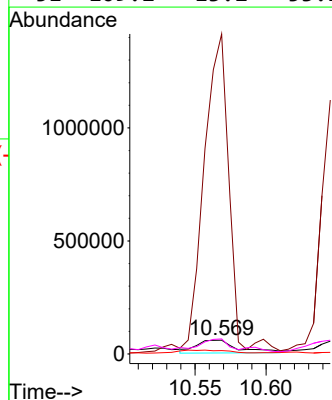
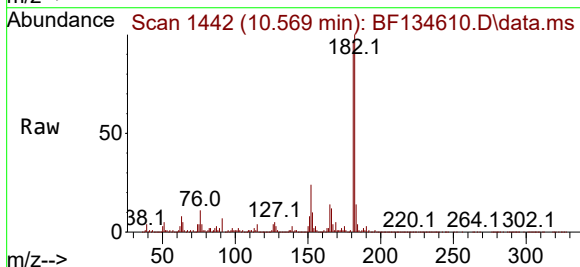
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

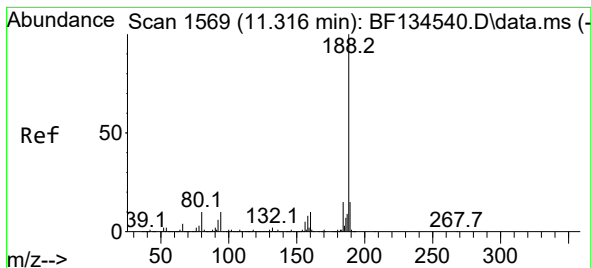
Tgt Ion:138 Resp: 81637
Ion Ratio Lower Upper
138 100
92 3.8 27.0 67.0#
108 5.0 70.4 110.4#



#63
Azobenzene
Concen: 7.366 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.035 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion: 77 Resp: 115509
Ion Ratio Lower Upper
77 100
182 2324.4 7.5 47.5#
105 25.0 1.9 41.9
51 109.2 13.2 53.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. 0.030 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

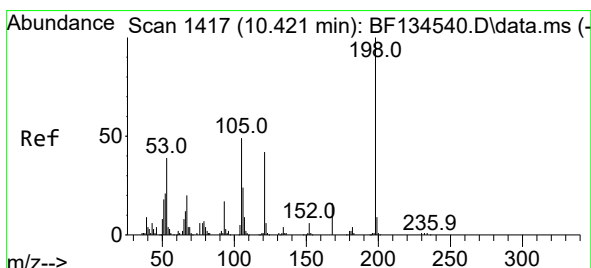
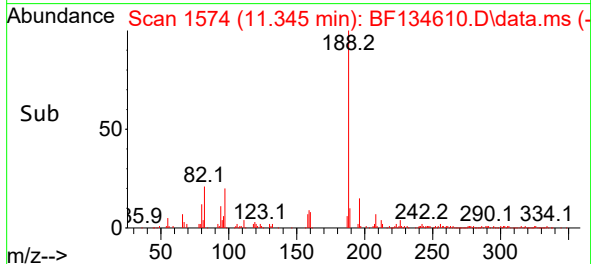
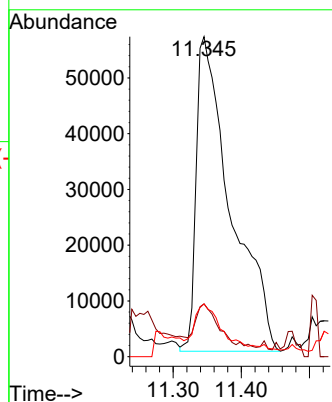
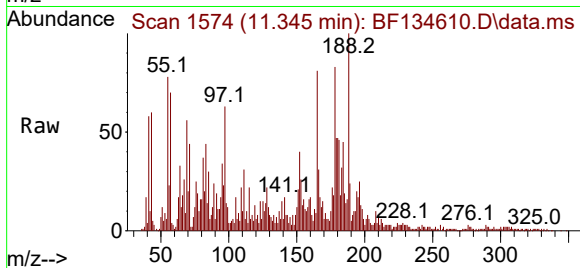
Tgt Ion:188 Resp: 198163

Ion Ratio Lower Upper

188 100

94 16.5 5.1 7.7#

80 16.5 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 12.367 ng

RT: 10.475 min Scan# 1426

Delta R.T. 0.054 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

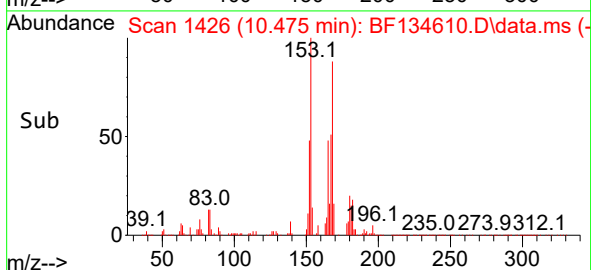
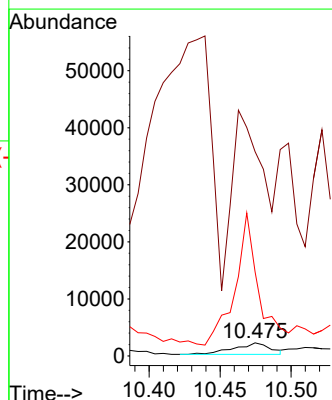
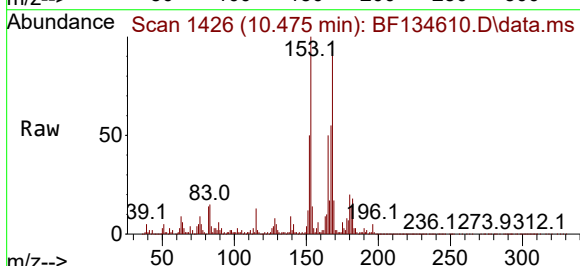
Tgt Ion:198 Resp: 3588

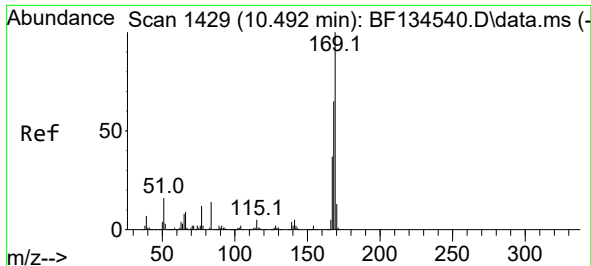
Ion Ratio Lower Upper

198 100

51 1555.5 38.6 78.6#

105 641.2 27.9 67.9#

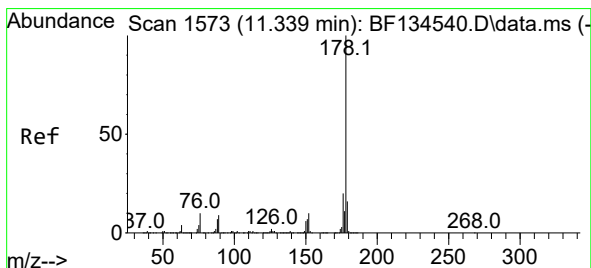
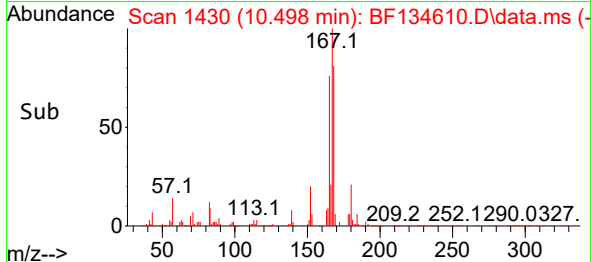
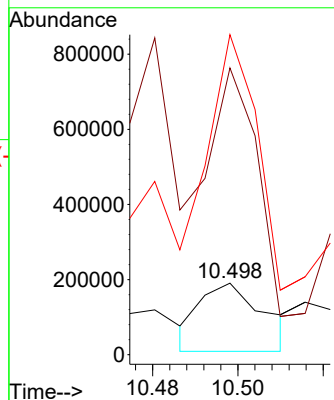
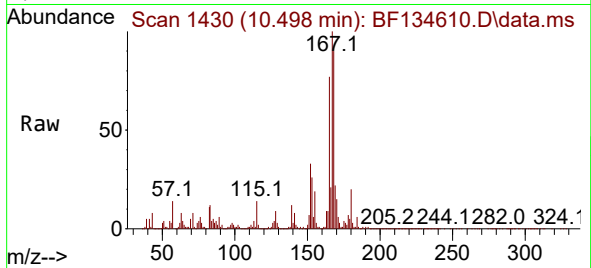




#66
n-Nitrosodiphenylamine
Concen: 29.934 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.006 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

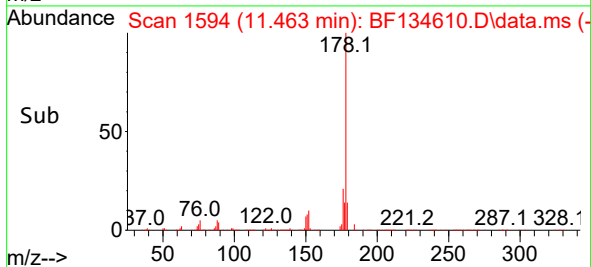
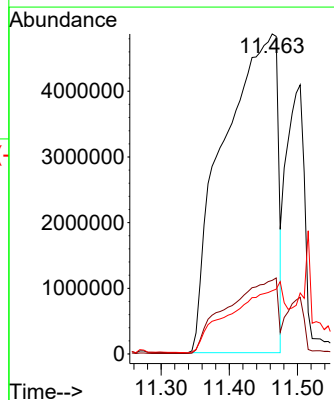
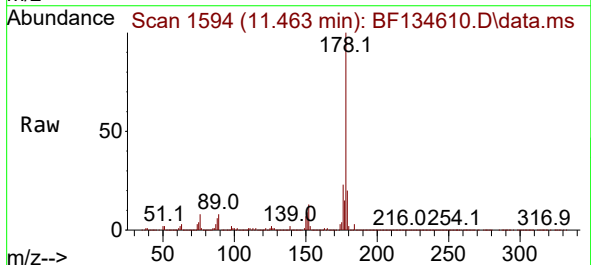
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

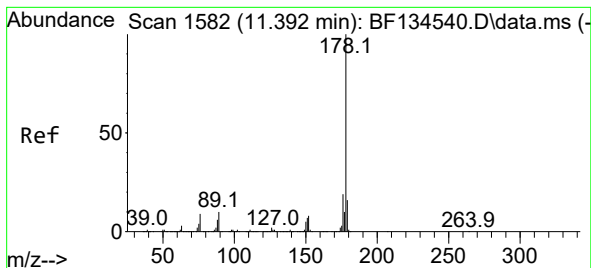
Tgt Ion:169 Resp: 188803
Ion Ratio Lower Upper
169 100
168 400.6 52.6 78.8#
167 447.0 29.8 44.8#



#71
Phenanthrene
Concen: 2524.526 ng
RT: 11.463 min Scan# 1594
Delta R.T. 0.124 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:178 Resp:26572188
Ion Ratio Lower Upper
178 100
176 23.0 15.8 23.6
179 19.7 12.7 19.1#





#72

Anthracene

Concen: 2471.513 ng

RT: 11.463 min Scan# 11

Delta R.T. 0.071 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

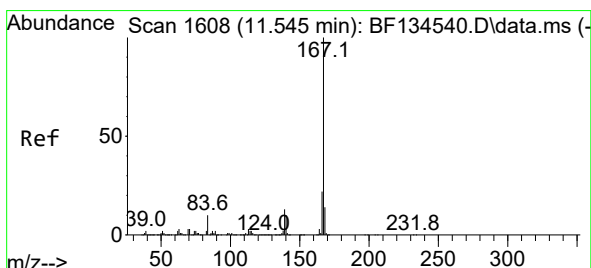
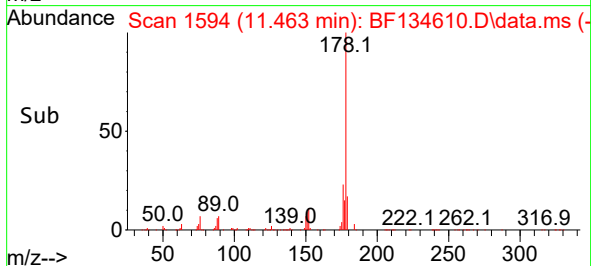
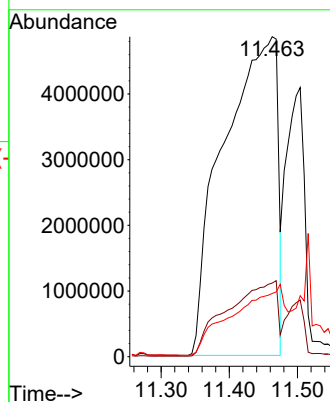
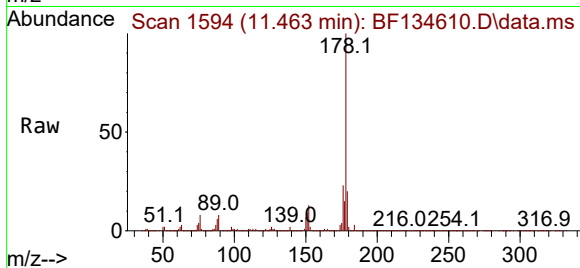
Tgt Ion:178 Resp:26572188

Ion Ratio Lower Upper

178 100

176 23.0 14.6 21.8#

179 19.7 12.3 18.5#



#73

Carbazole

Concen: 479.782 ng

RT: 11.616 min Scan# 1620

Delta R.T. 0.071 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

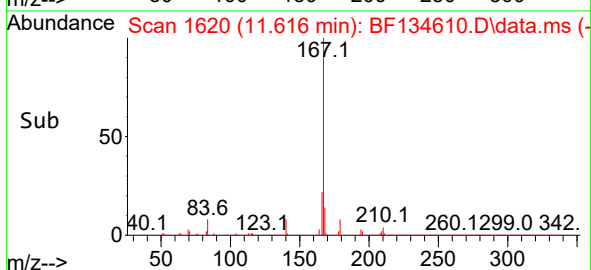
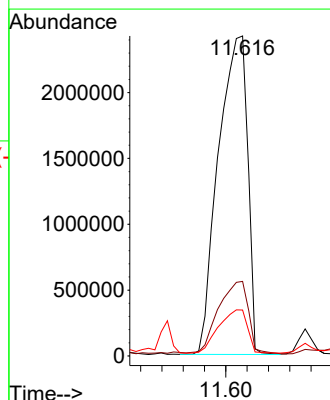
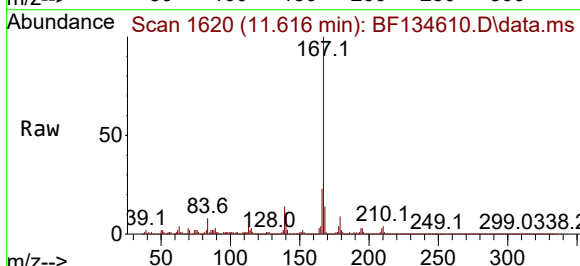
Tgt Ion:167 Resp: 4605722

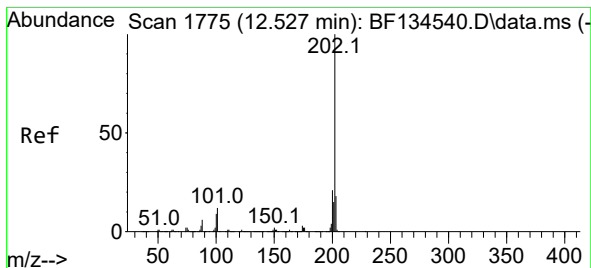
Ion Ratio Lower Upper

167 100

166 23.3 17.5 26.3

139 14.4 11.0 16.4





#75

Fluoranthene

Concen: 1641.650 ng

RT: 12.663 min Scan# 1

Delta R.T. 0.135 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

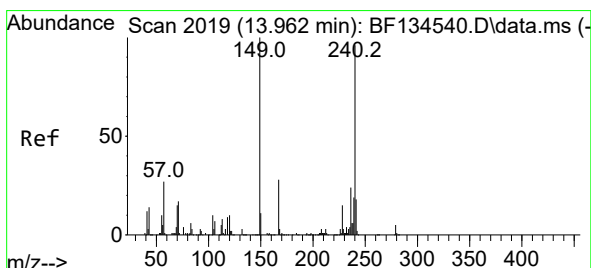
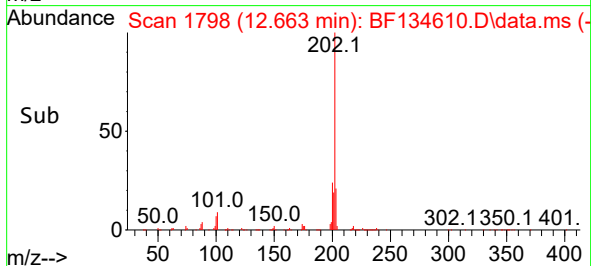
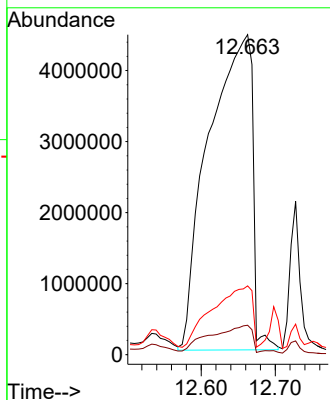
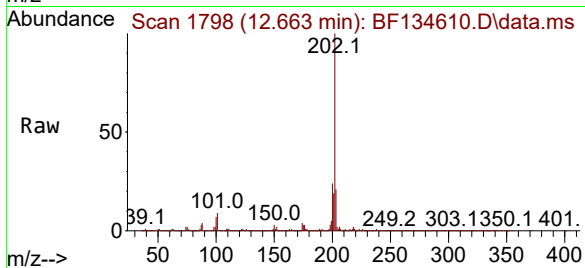
Tgt Ion:202 Resp:18252443

Ion Ratio Lower Upper

202 100

101 9.2 0.0 28.5

203 21.5 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2023

Delta R.T. 0.024 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

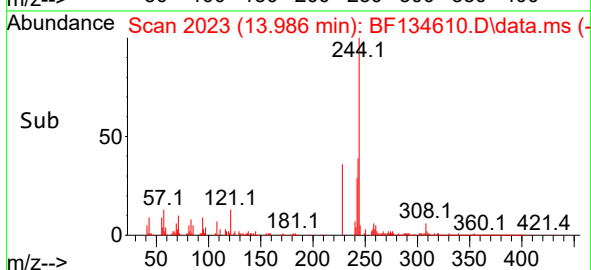
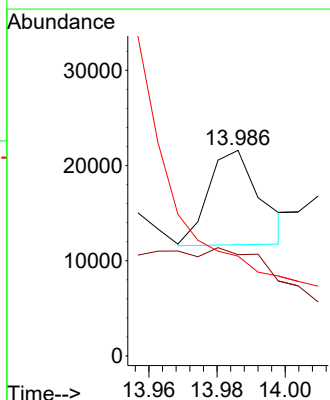
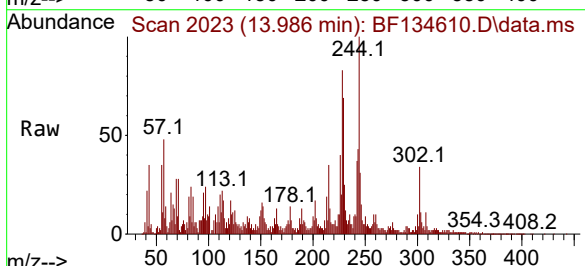
Tgt Ion:240 Resp: 10461

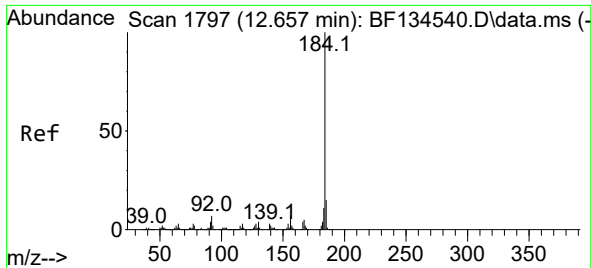
Ion Ratio Lower Upper

240 100

120 49.2 6.6 10.0#

236 48.5 20.2 30.2#

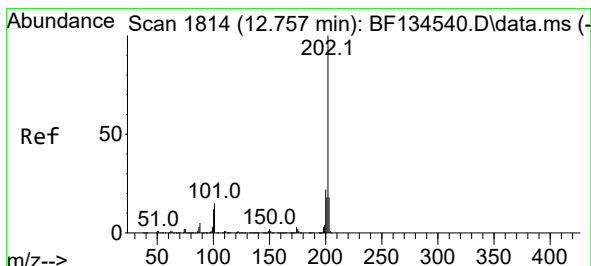
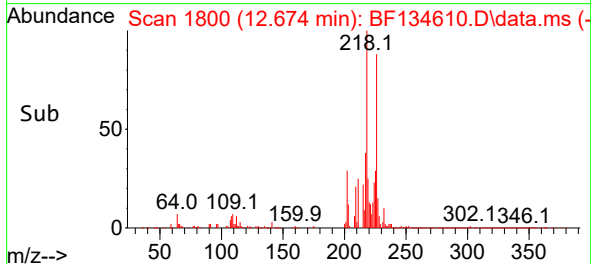
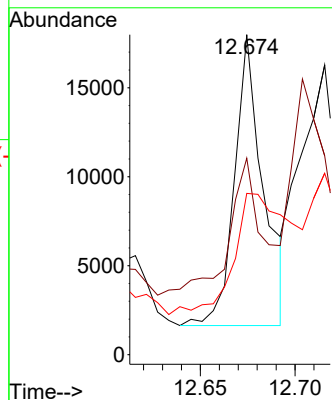
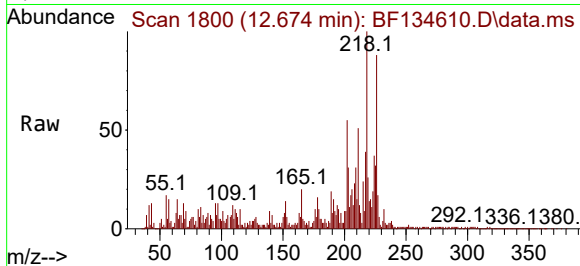




#77
Benzidine
Concen: 76.134 ng
RT: 12.674 min Scan# 1800
Delta R.T. 0.018 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

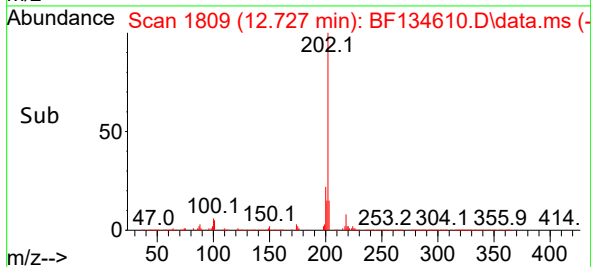
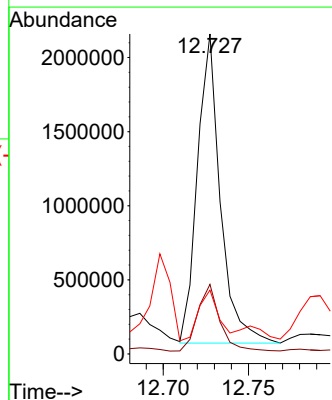
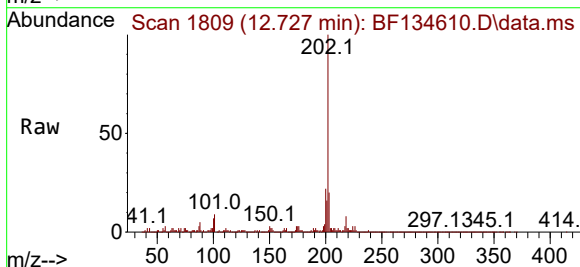
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

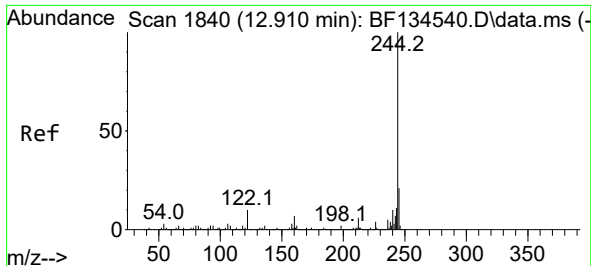
Tgt Ion:184 Resp: 17289
Ion Ratio Lower Upper
184 100
185 61.4 11.2 16.8#
183 50.4 8.6 13.0#



#78
Pyrene
Concen: 2159.005 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.029 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:202 Resp: 1954343
Ion Ratio Lower Upper
202 100
200 21.8 15.8 23.8
203 20.0 13.5 20.3

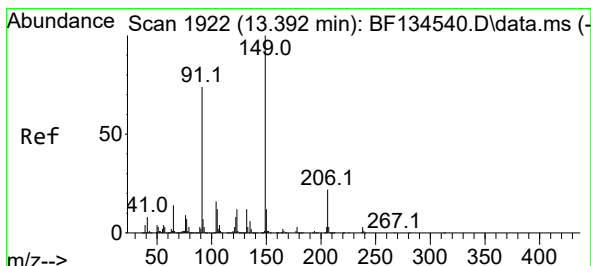
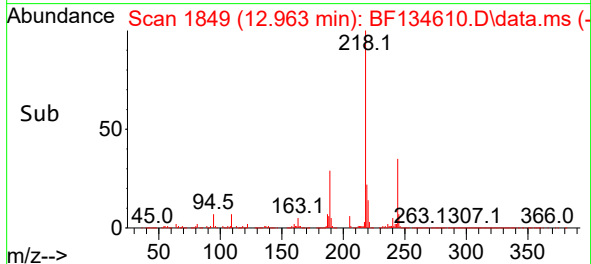
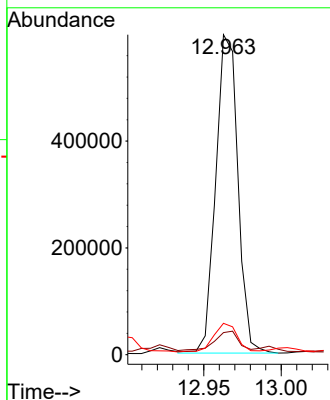
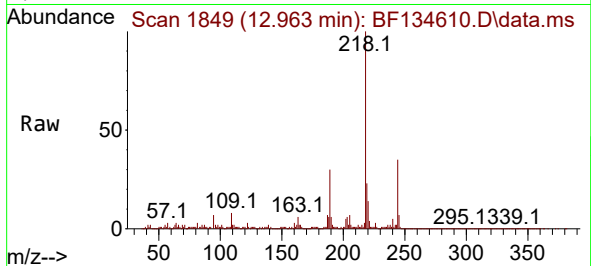




#79
 Terphenyl-d14
 Concen: 998.588 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. 0.053 min
 Lab File: BF134610.D
 Acq: 03 Aug 2023 14:06

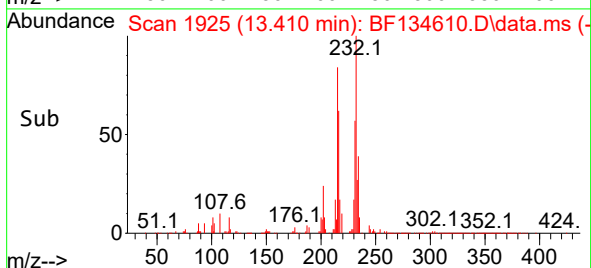
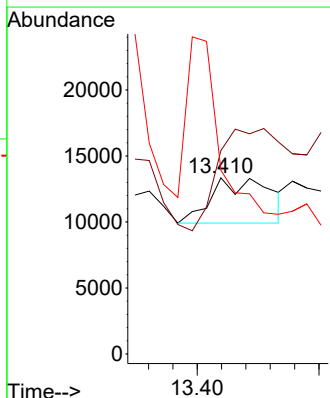
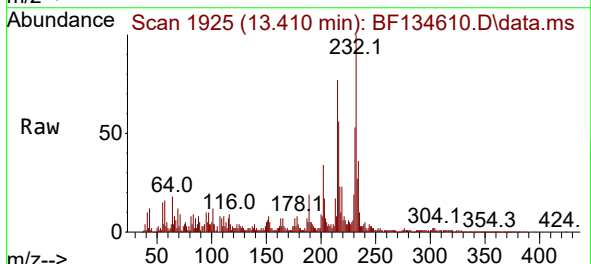
Instrument :
 BNA_F
 ClientSampleId :
 RB-57-(5-7)DL

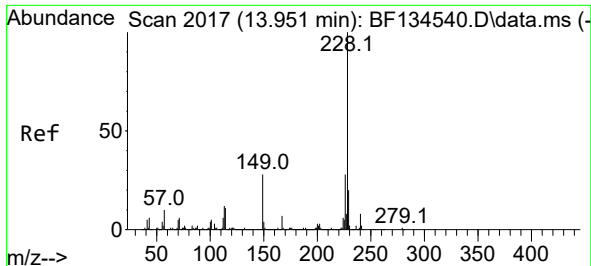
Tgt Ion:244 Resp: 592571
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 9.8 8.0 12.0



#80
 Butylbenzylphthalate
 Concen: 18.498 ng
 RT: 13.410 min Scan# 1925
 Delta R.T. 0.018 min
 Lab File: BF134610.D
 Acq: 03 Aug 2023 14:06

Tgt Ion:149 Resp: 5662
 Ion Ratio Lower Upper
 149 100
 91 115.5 55.8 83.6#
 206 104.3 14.6 21.8#

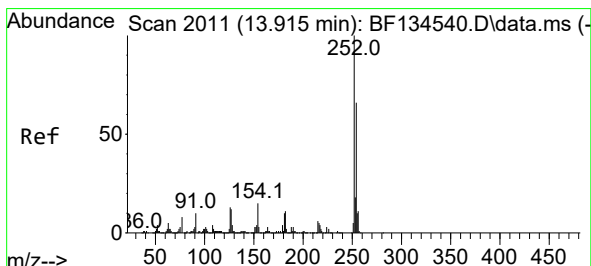
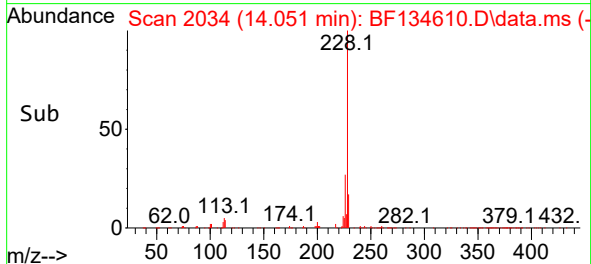
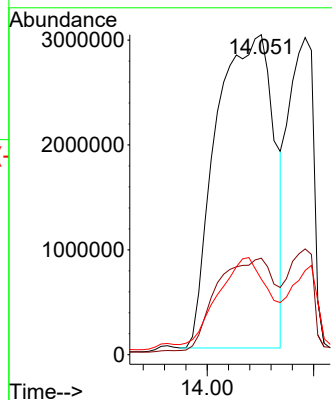
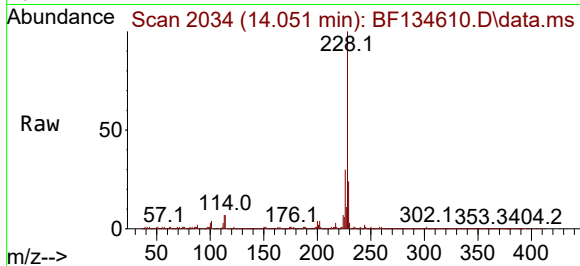




#81
Benzo(a)anthracene
Concen: 15049.227 ng
RT: 14.051 min Scan# 2021
Delta R.T. 0.100 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

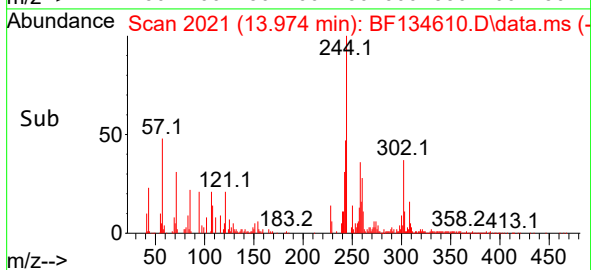
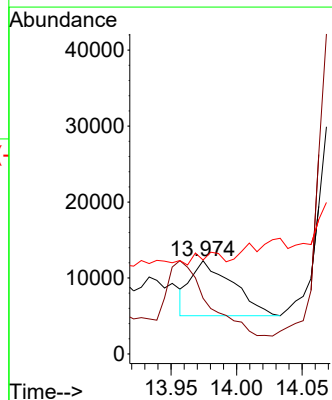
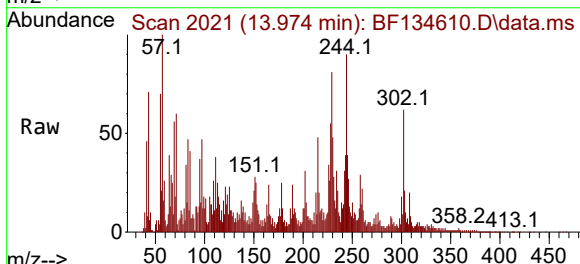
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

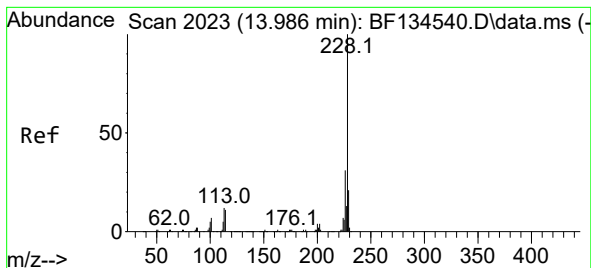
Tgt Ion:228 Resp:11256992
Ion Ratio Lower Upper
228 100
226 30.1 22.3 33.5
229 23.6 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 74.661 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.059 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:252 Resp: 16188
Ion Ratio Lower Upper
252 100
254 59.7 52.7 79.1
126 100.8 7.2 10.8#





#83

Chrysene

Concen: 15446.774 ng

RT: 14.051 min Scan# 20

Delta R.T. 0.065 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

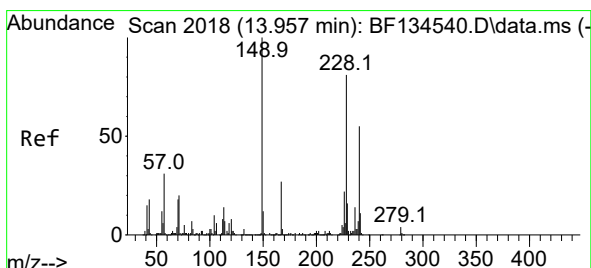
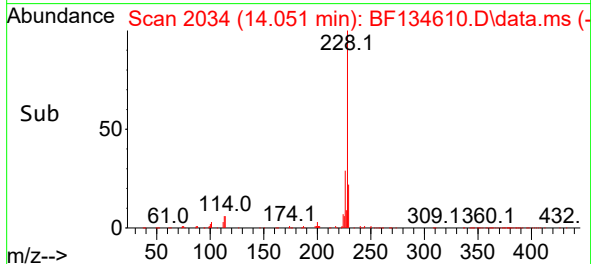
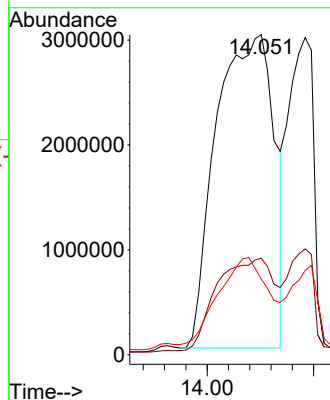
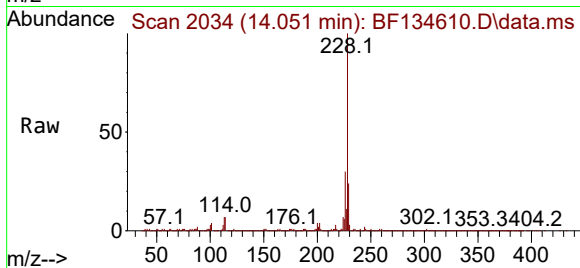
Tgt Ion:228 Resp:11256992

Ion Ratio Lower Upper

228 100

226 30.1 24.5 36.7

229 23.6 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 16.937 ng

RT: 13.957 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

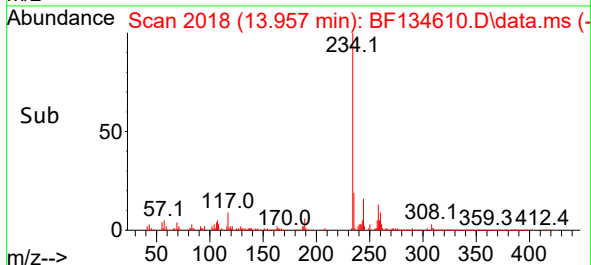
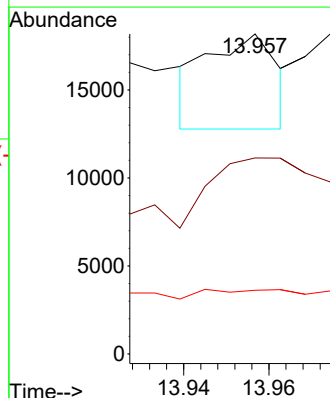
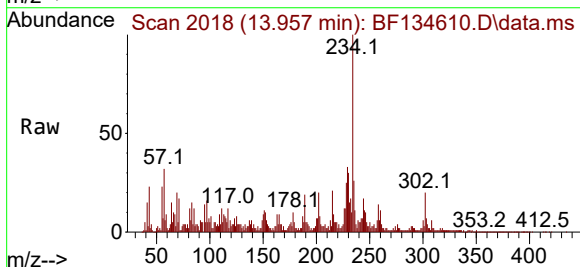
Tgt Ion:149 Resp: 6101

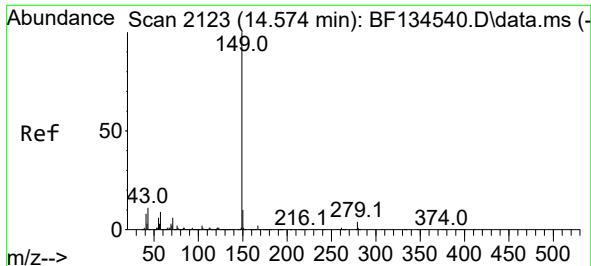
Ion Ratio Lower Upper

149 100

167 61.3 21.6 32.4#

279 19.9 3.5 5.3#

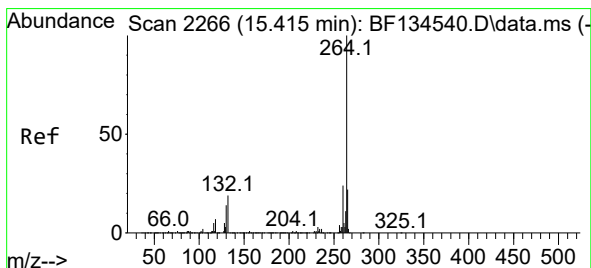
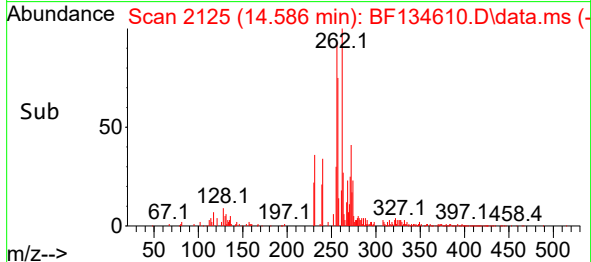
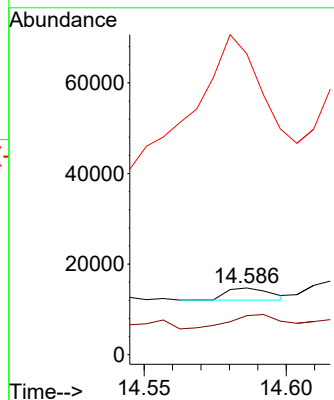
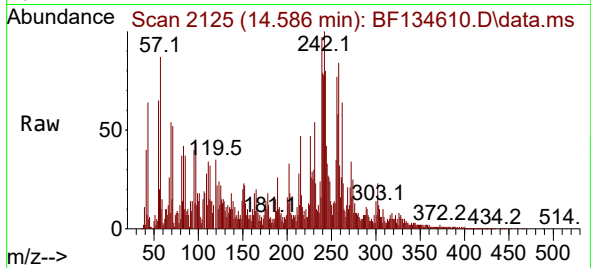




#85
Di-n-octyl phthalate
Concen: 5.265 ng
RT: 14.586 min Scan# 2125
Delta R.T. 0.012 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

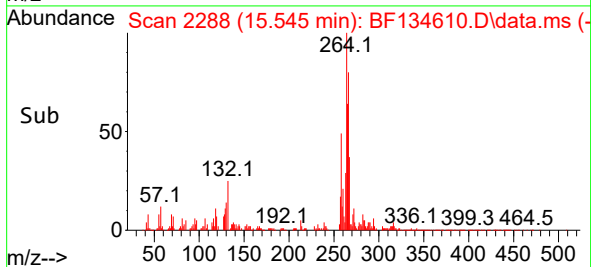
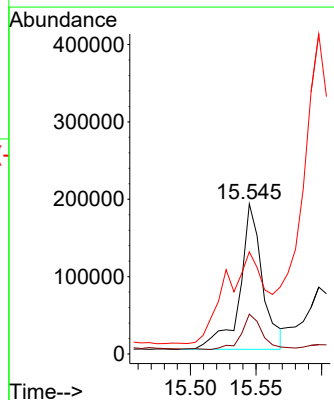
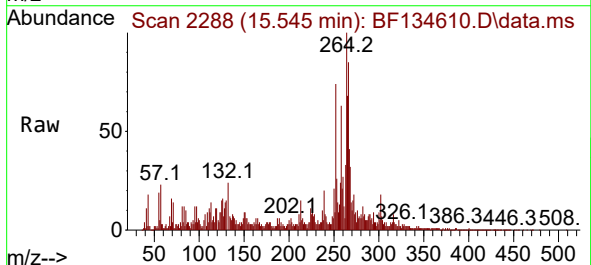
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

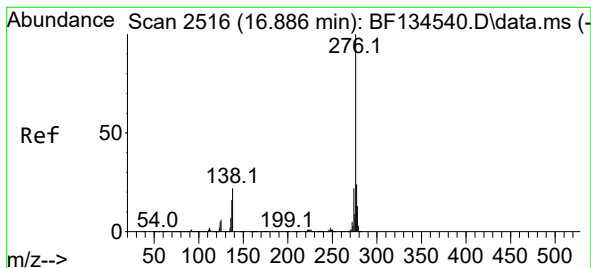
Tgt Ion:149 Resp: 2884
Ion Ratio Lower Upper
149 100
167 121.4 1.2 1.8#
43 1742.7 8.1 12.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.130 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:264 Resp: 225957
Ion Ratio Lower Upper
264 100
260 26.6 18.4 27.6
265 68.0 15.8 23.8#





#87

Indeno(1,2,3-cd)pyrene

Concen: 346.431 ng

RT: 17.104 min Scan# 2116

Delta R.T. 0.218 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

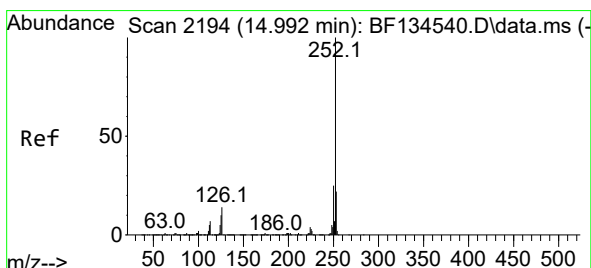
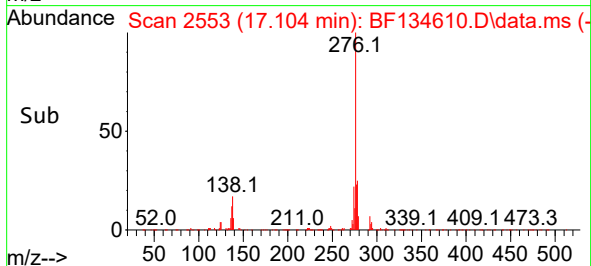
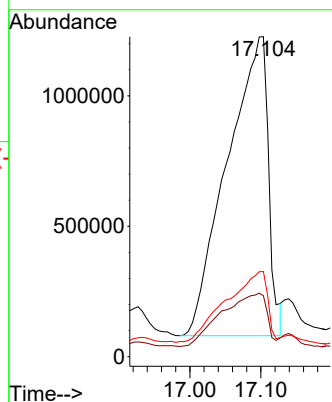
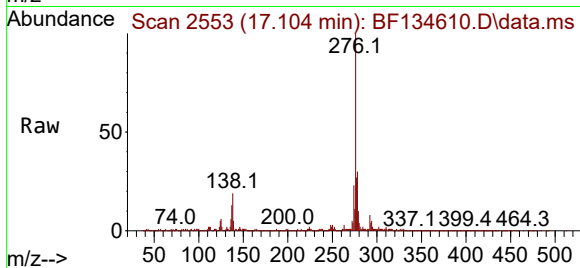
Tgt Ion:276 Resp: 4603756

Ion Ratio Lower Upper

276 100

138 19.7 14.2 21.4

277 24.8 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 954.609 ng

RT: 15.121 min Scan# 2216

Delta R.T. 0.130 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

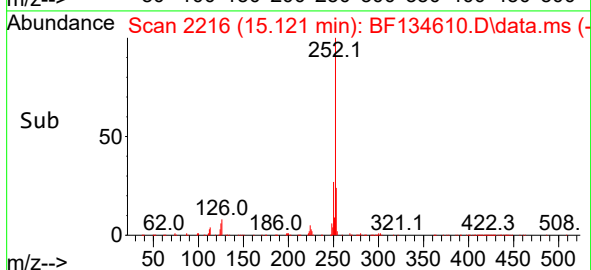
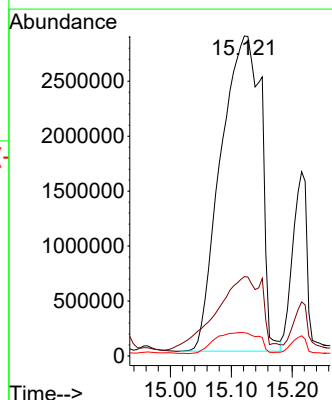
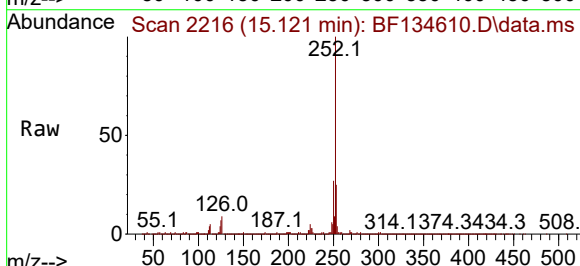
Tgt Ion:252 Resp:13155357

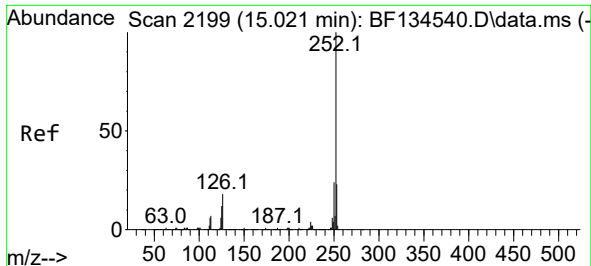
Ion Ratio Lower Upper

252 100

253 24.8 17.3 25.9

125 7.2 6.0 9.0

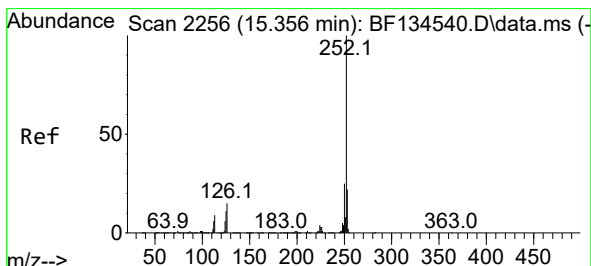
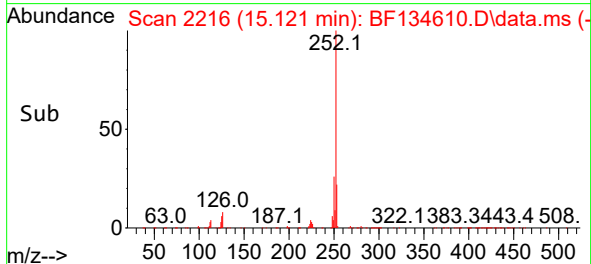
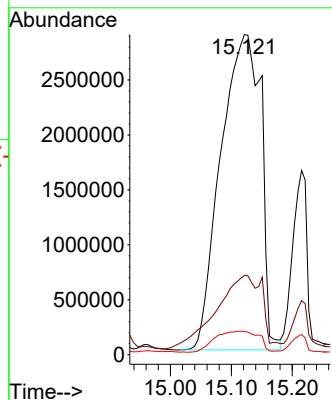
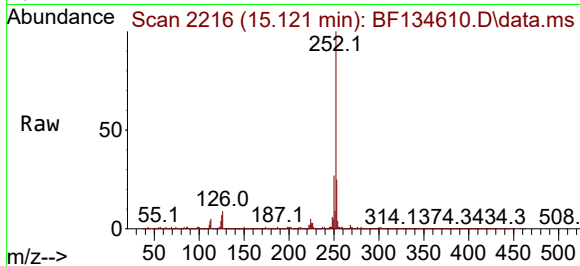




#89
Benzo(k)fluoranthene
Concen: 958.282 ng
RT: 15.121 min Scan# 2199
Delta R.T. 0.100 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

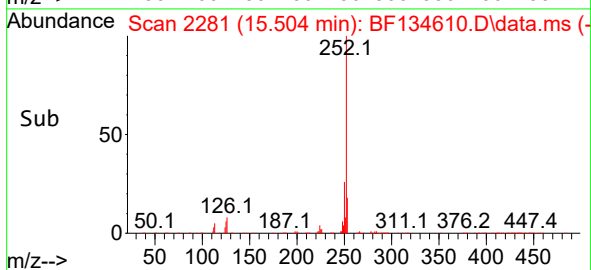
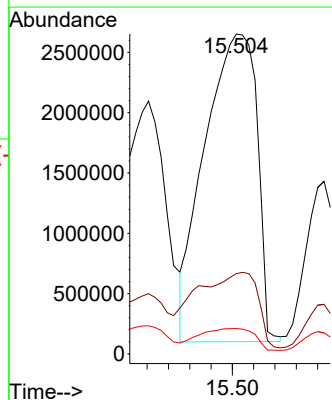
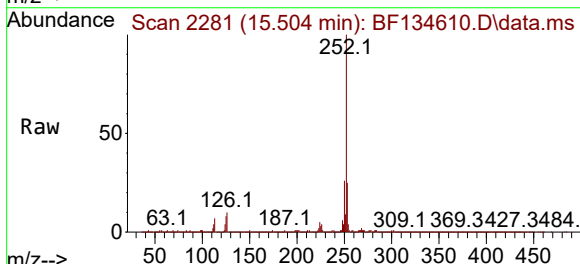
Instrument :
BNA_F
ClientSampleId :
RB-57-(5-7)DL

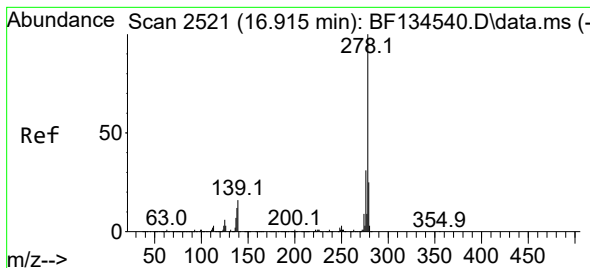
Tgt Ion:252 Resp:13155357
Ion Ratio Lower Upper
252 100
253 24.8 17.9 26.9
125 7.2 6.3 9.5



#90
Benzo(a)pyrene
Concen: 678.810 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.147 min
Lab File: BF134610.D
Acq: 03 Aug 2023 14:06

Tgt Ion:252 Resp: 8722068
Ion Ratio Lower Upper
252 100
253 25.1 17.0 25.4
125 7.9 6.2 9.4





#91

Dibenzo(a,h)anthracene

Concen: 122.815 ng

RT: 17.086 min Scan# 2

Delta R.T. 0.171 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RB-57-(5-7)DL

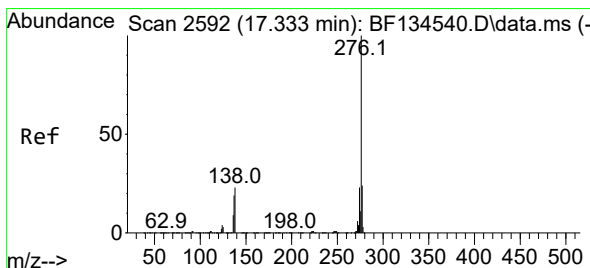
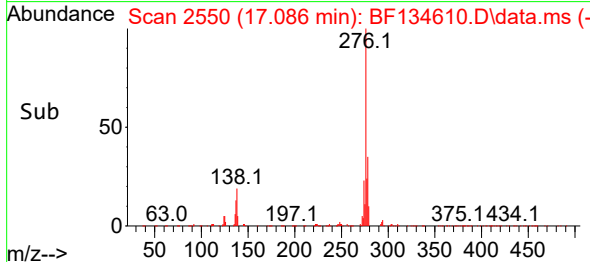
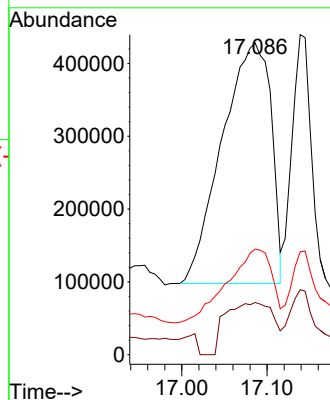
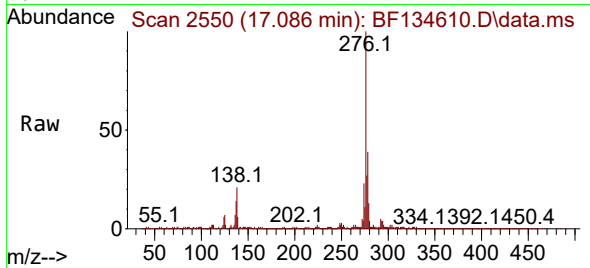
Tgt Ion:278 Resp: 1318988

Ion Ratio Lower Upper

278 100

139 16.7 10.0 15.0#

279 33.9 19.7 29.5#



#92

Benzo(g,h,i)perylene

Concen: 375.604 ng

RT: 17.562 min Scan# 2631

Delta R.T. 0.230 min

Lab File: BF134610.D

Acq: 03 Aug 2023 14:06

Tgt Ion:276 Resp: 4114801

Ion Ratio Lower Upper

276 100

277 26.5 19.0 28.6

138 21.7 12.2 18.2#

