

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050443.D
 Acq On : 15 Jul 2025 02:12
 Operator : RC/JU
 Sample : Q2489-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G3(6-12)

Quant Time: Jul 15 02:58:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 08 18:32:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-7.86
21) Naphthalene-d8	10.716	136	57	20.000	ng	# 0.05
39) Acenaphthene-d10	14.557	164	119	20.000	ng	# 0.06
64) Phenanthrene-d10	17.221	188	517	20.000	ng	# 0.00
76) Chrysene-d12	21.433	240	3022	20.000	ng	#-0.02
86) Perylene-d12	24.438	264	550	20.000	ng	#-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1320173	0.000	ng	0.00
7) Phenol-d6	7.016	99	1010219	0.000	ng	0.00
23) Nitrobenzene-d5	9.010	82	2377898	2128347.769	ng	-0.01
42) 2,4,6-Tribromophenol	15.962	330	1806818	1249648.171	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	6579891	682833.582	ng	-0.01
79) Terphenyl-d14	19.827	244	11341650	66032.966	ng	-0.02
Target Compounds						
						Qvalue
22) Acetophenone	8.669	105	5616	3940.655	ng	# 67
24) Nitrobenzene	9.128	77	979	981.959	ng	# 30
25) Isophorone	9.639	82	121	66.743	ng	# 64
26) 2-Nitrophenol	9.986	139	59	145.202	ng	# 26
27) 2,4-Dimethylphenol	9.869	122	8242	9532.364	ng	# 6
28) bis(2-Chloroethoxy)met...	10.127	93	58	48.281	ng	# 50
31) Naphthalene	10.704	128	132229	45671.916	ng	99
32) Benzoic acid	9.869	122	8242	13602.898	ng	95
33) 4-Chloroaniline	10.704	127	17090	13962.770	ng	# 32
35) Caprolactam	11.604	113	1155	4763.061	ng	# 1
36) 4-Chloro-3-methylphenol	11.992	107	204	245.931	ng	# 16
37) 2-Methylnaphthalene	12.316	142	56194	30740.065	ng	98
38) 1-Methylnaphthalene	12.533	142	29890	15450.072	ng	97
46) 1,1'-Biphenyl	13.321	154	12156	1376.824	ng	92
47) 2-Chloronaphthalene	13.463	162	686	97.450	ng	# 63
48) 2-Nitroaniline	13.621	65	186	118.375	ng	# 4
49) Acenaphthylene	14.198	152	2310	217.134	ng	# 69
50) Dimethylphthalate	13.939	163	43358	5292.178	ng	99
51) 2,6-Dinitrotoluene	14.021	165	164	104.256	ng	93
52) Acenaphthene	14.545	154	21776	3219.586	ng	# 83
53) 3-Nitroaniline	14.439	138	74	44.234	ng	# 78
55) Dibenzofuran	14.880	168	12392	1189.093	ng	# 94
56) 4-Nitrophenol	14.621	139	250	173.773	ng	93
57) 2,4-Dinitrotoluene	14.933	165	130	54.796	ng	# 1
58) Fluorene	15.527	166	21115	2459.859	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.104	232	346	161.567	ng	# 1
60) Diethylphthalate	15.374	149	333	42.550	ng	# 47
61) 4-Chlorophenyl-phenyle...	15.780	204	426	94.911	ng	# 1
62) 4-Nitroaniline	15.627	138	63	33.578	ng	# 20
63) Azobenzene	15.962	77	9872	1373.724	ng	# 30
66) n-Nitrosodiphenylamine	15.962	169	60581	3744.709	ng	# 46
68) Hexachlorobenzene	16.533	284	100	14.864	ng	# 52
69) Atrazine	16.862	200	319	60.050	ng	# 35
70) Pentachlorophenol	16.868	266	1395	333.094	ng	94
71) Phenanthrene	17.256	178	73862	2524.784	ng	97
72) Anthracene	17.345	178	10014	343.884	ng	96

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

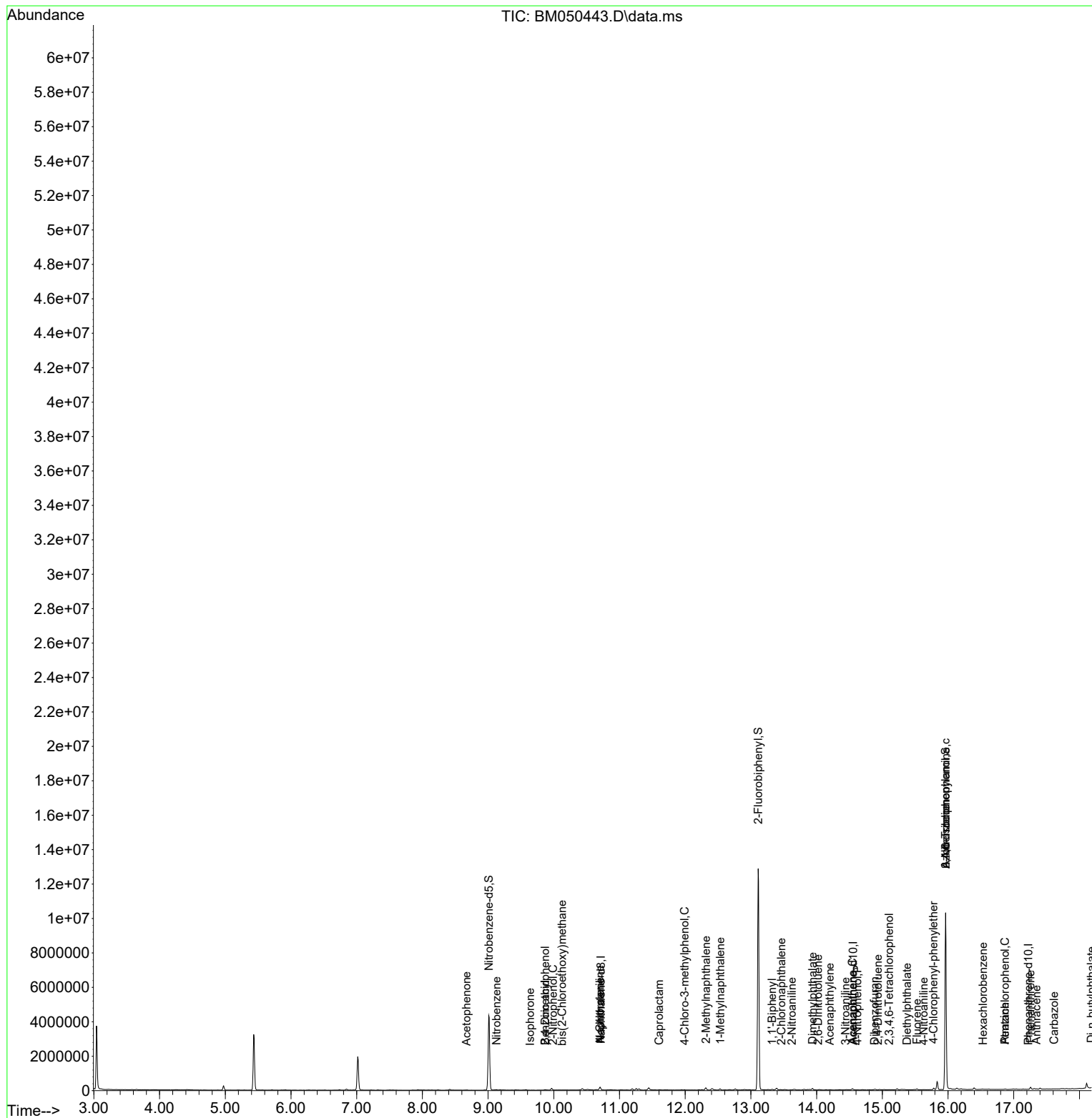
73) Carbazole	17.615	167	1698	64.444	ng	# 68
74) Di-n-butylphthalate	18.180	149	18645	646.503	ng	# 94
75) Fluoranthene	19.262	202	17011	534.882	ng	# 90
77) Benzidine	19.439	184	813	10.547	ng	# 1
78) Pyrene	19.621	202	19187	99.135	ng	# 91
80) Butylbenzylphthalate	20.503	149	2993	46.899	ng	# 81
81) Benzo(a)anthracene	21.409	228	2876	14.606	ng	# 49
82) 3,3'-Dichlorobenzidine	21.315	252	759	11.430	ng	# 1
83) Chrysene	21.480	228	4233	22.792	ng	# 37
84) Bis(2-ethylhexyl)phtha...	21.344	149	16210769	160013.449	ng	# 87
85) Di-n-octyl phthalate	22.450	149	215659	1359.154	ng	# 1
87) Indeno(1,2,3-cd)pyrene	27.873	276	246	6.291	ng	# 1
88) Benzo(b)fluoranthene	23.503	252	3485	103.014	ng	# 1
89) Benzo(k)fluoranthene	23.562	252	1185	33.757	ng	# 1
90) Benzo(a)pyrene	24.297	252	1196	37.766	ng	# 1
91) Dibenzo(a,h)anthracene	27.926	278	346	10.506	ng	# 1
92) Benzo(g,h,i)perylene	28.950	276	817	26.249	ng	# 1

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

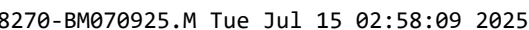
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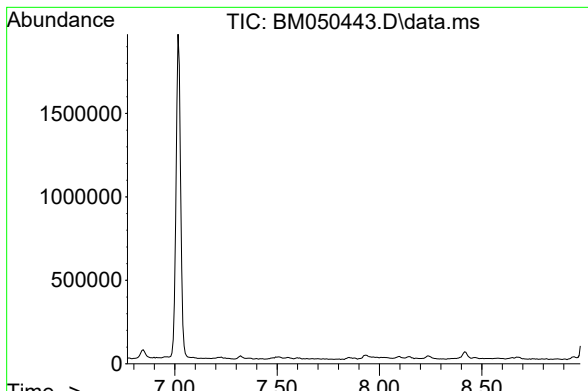
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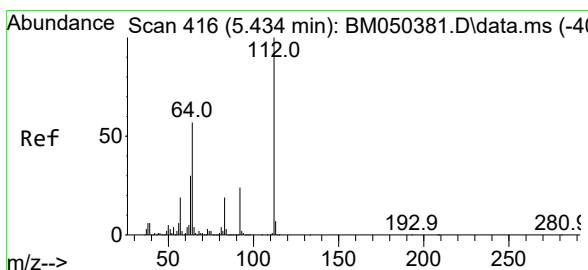
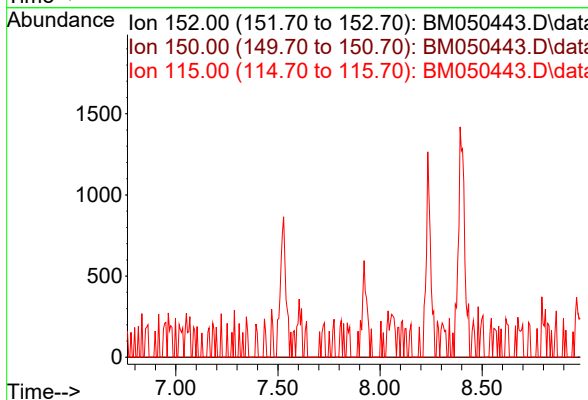




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 7.86 min
 Lab File: BM050443.D
 Acq: 15 Jul 2025 02:12

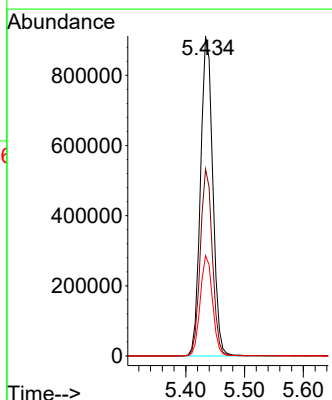
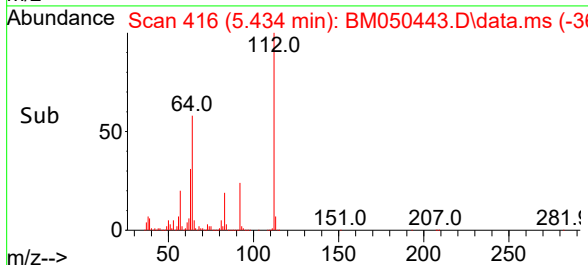
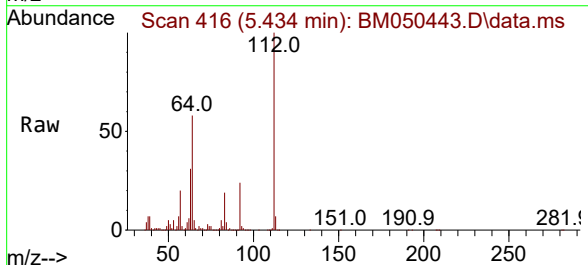
Instrument :
 BNA_M
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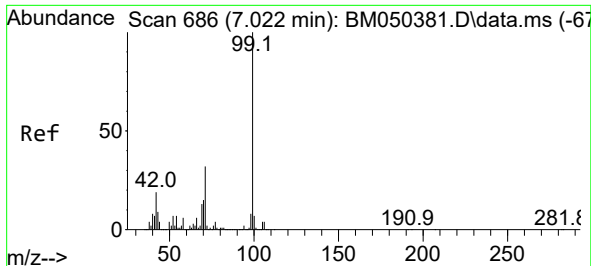
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 157.8
 115 57.3



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.434 min Scan# 416
 Delta R.T. -0.000 min
 Lab File: BM050443.D
 Acq: 15 Jul 2025 02:12

Tgt Ion: 112 Resp: 1320173
 Ion Ratio Lower Upper
 112 100
 64 58.4 45.5 68.3
 63 31.4 24.2 36.4

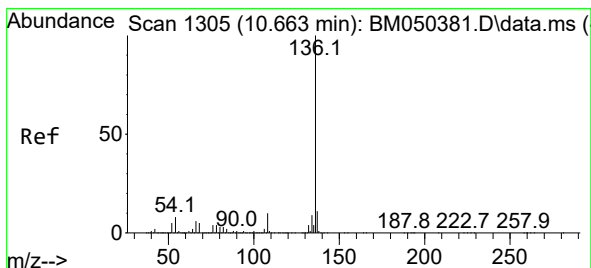
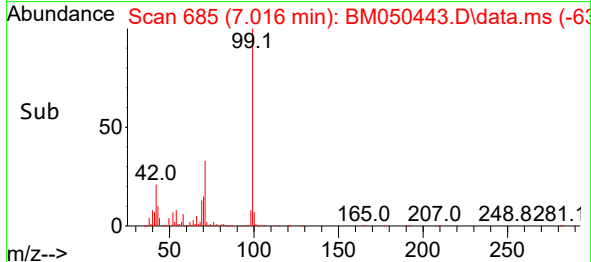
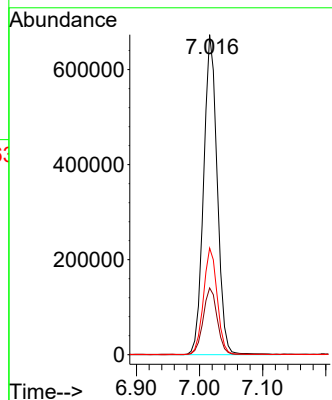
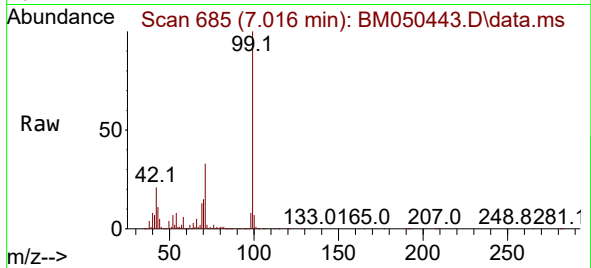




#7
Phenol-d6
Concen: 0.000 ng
RT: 7.016 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

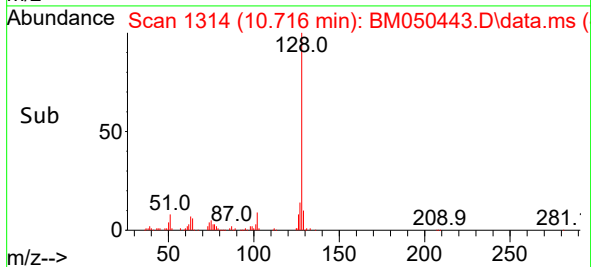
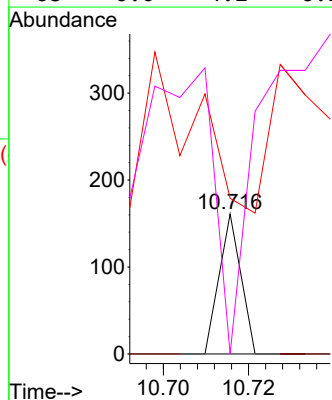
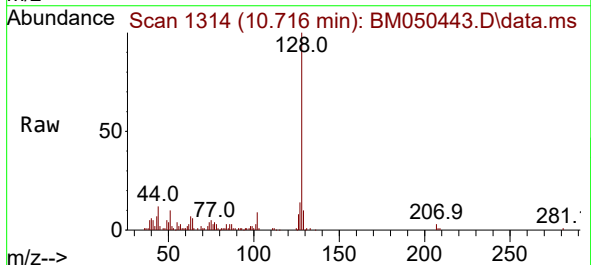
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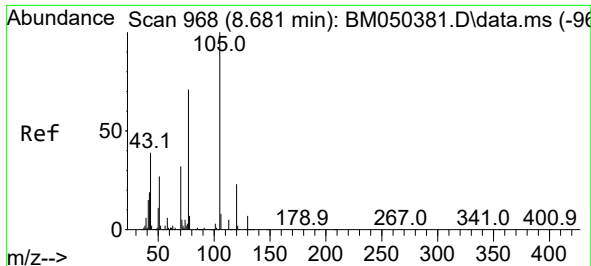
Tgt Ion: 99 Resp: 1010219
Ion Ratio Lower Upper
99 100
42 20.9 15.0 22.6
71 33.3 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1314
Delta R.T. 0.053 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion: 136 Resp: 57
Ion Ratio Lower Upper
136 100
137 0.0 8.8 13.2#
54 111.2 6.3 9.5#
68 0.0 4.2 6.2#

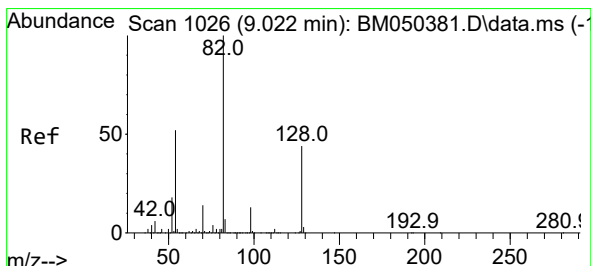
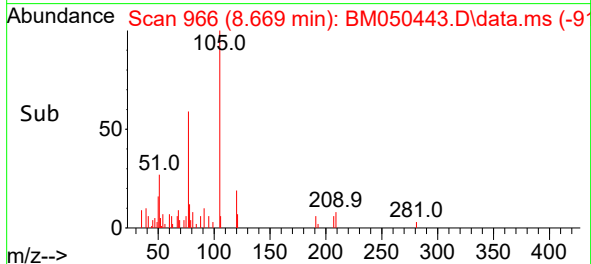
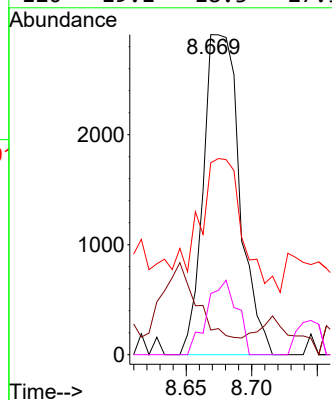
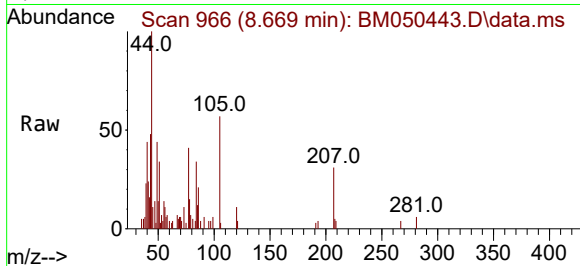




#22
Acetophenone
Concen: 3940.655 ng
RT: 8.669 min Scan# 90
Delta R.T. -0.012 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

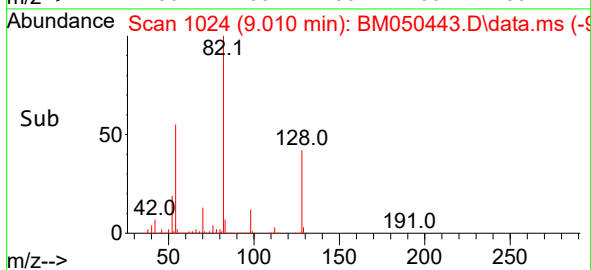
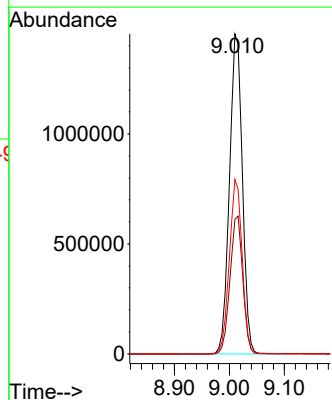
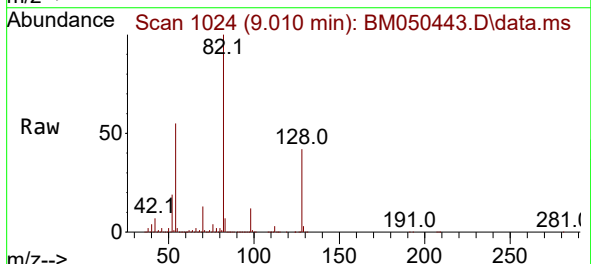
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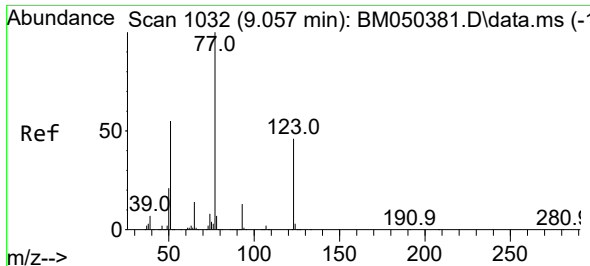
Tgt Ion:	105	Resp:	5616
Ion Ratio	Lower	Upper	
105	100		
71	7.7	4.4	6.6#
51	60.0	23.0	34.6#
120	19.1	18.3	27.5



#23
Nitrobenzene-d5
Concen: 2128347.769 ng
RT: 9.010 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion:	82	Resp:	2377898
Ion Ratio	Lower	Upper	
82	100		
128	42.1	35.2	52.8
54	54.5	41.5	62.3

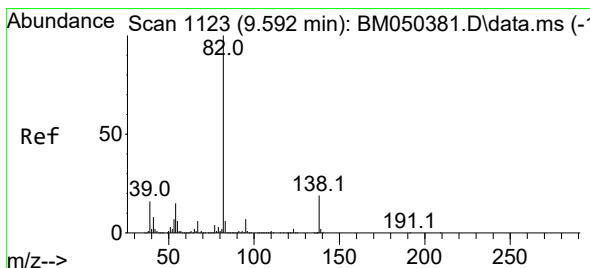
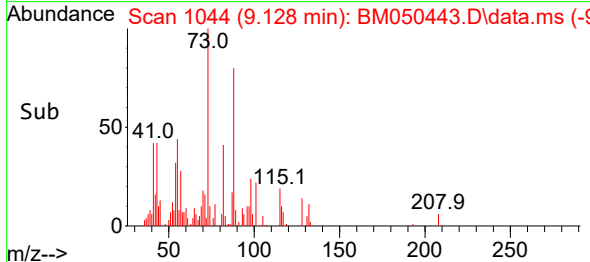
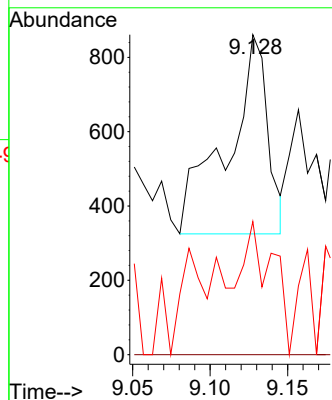
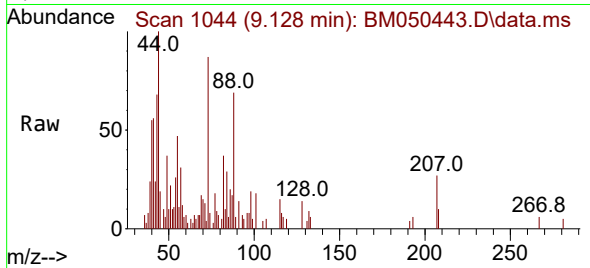




#24
Nitrobenzene
Concen: 981.959 ng
RT: 9.128 min Scan# 1044
Delta R.T. 0.071 min
Lab File: BM050443.D
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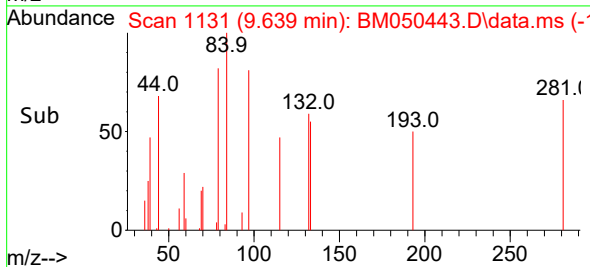
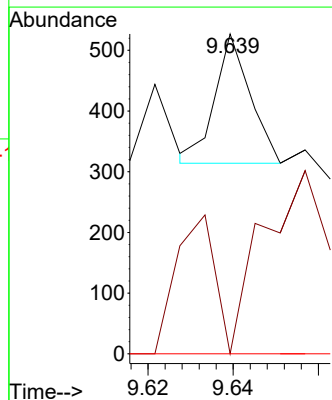
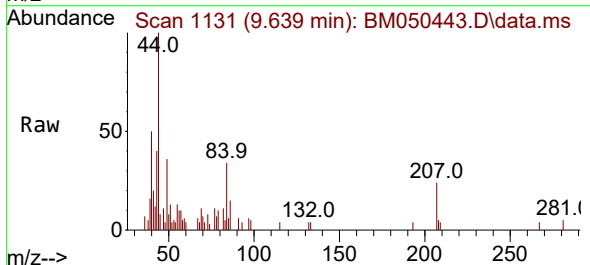
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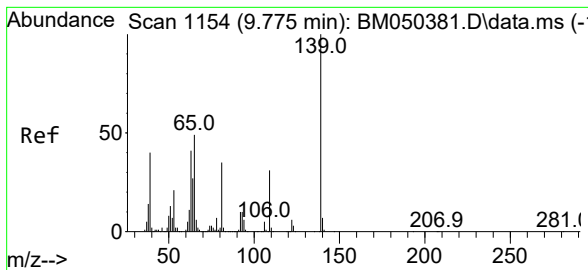
Tgt Ion: 77 Resp: 979
Ion Ratio Lower Upper
77 100
123 0.0 37.0 55.6#
65 41.6 11.0 16.4#



#25
Isophorone
Concen: 66.743 ng
RT: 9.639 min Scan# 1131
Delta R.T. 0.047 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion: 82 Resp: 121
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.3 22.9#

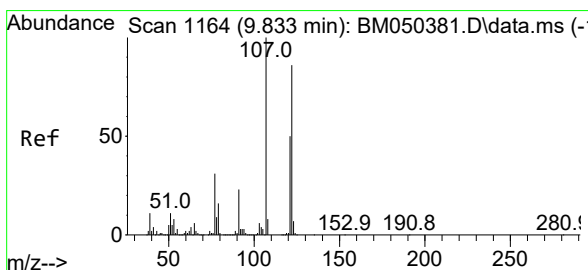
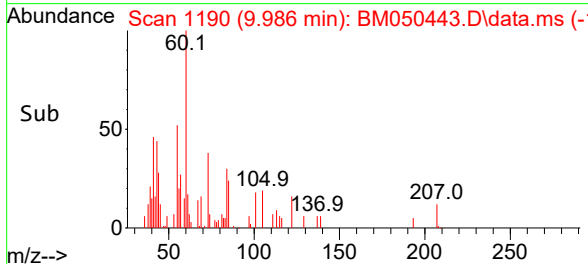
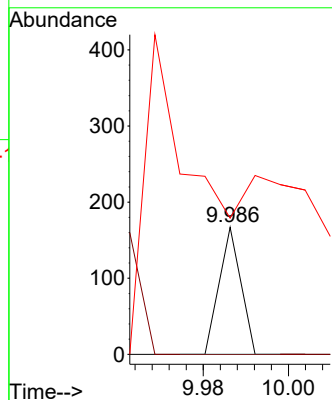
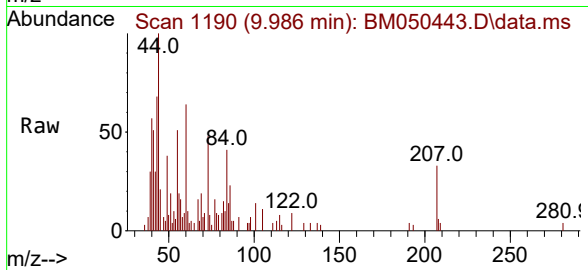




#26
2-Nitrophenol
Concen: 145.202 ng
RT: 9.986 min Scan# 11190
Delta R.T. 0.212 min
Lab File: BM050443.D
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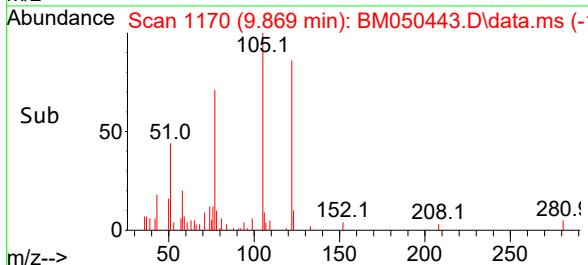
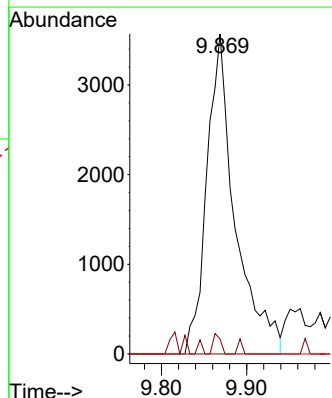
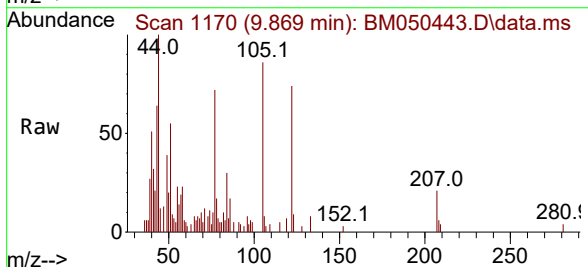
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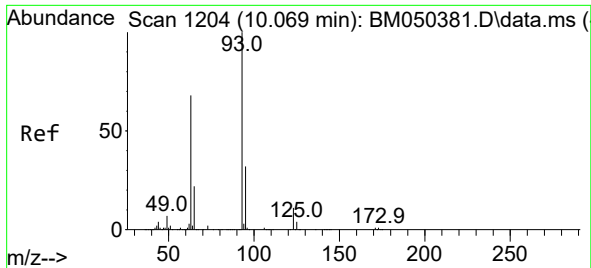
Tgt Ion:139 Resp: 59
Ion Ratio Lower Upper
139 100
109 0.0 24.6 36.8#
65 107.2 39.2 58.8#



#27
2,4-Dimethylphenol
Concen: 9532.364 ng
RT: 9.869 min Scan# 1170
Delta R.T. 0.035 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion:122 Resp: 8242
Ion Ratio Lower Upper
122 100
107 4.7 93.0 139.6#
121 0.0 46.1 69.1#

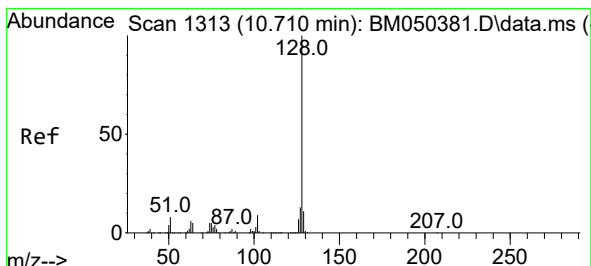
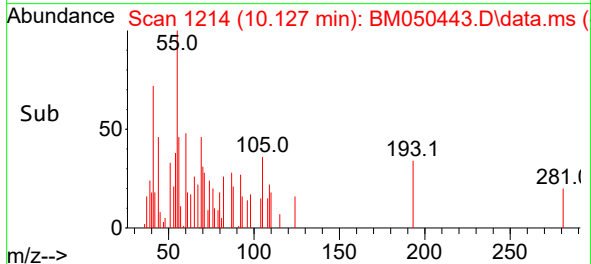
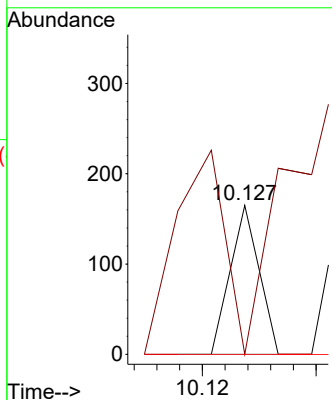
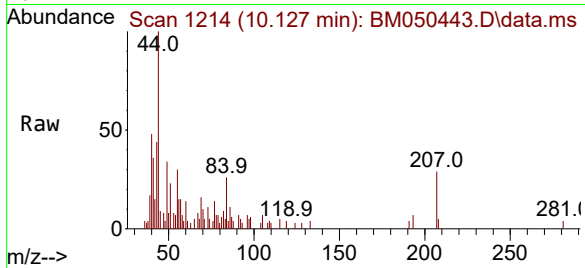




#28
bis(2-Chloroethoxy)methane
Concen: 48.281 ng
RT: 10.127 min Scan# 11
Delta R.T. 0.059 min
Lab File: BM050443.D
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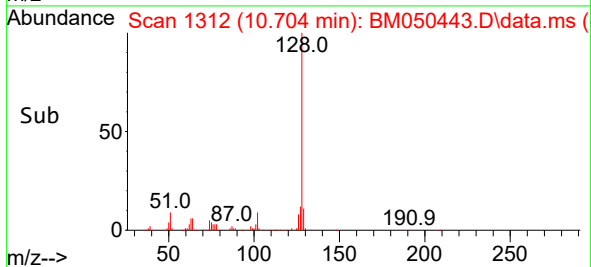
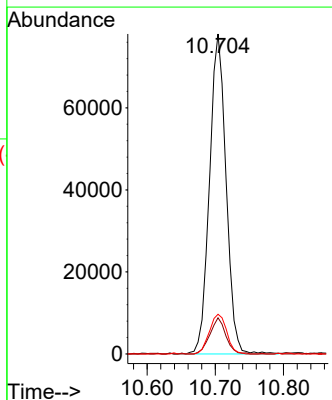
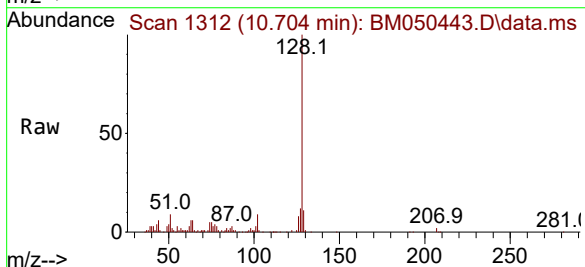
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ClientSampleId :
G3(6-12)

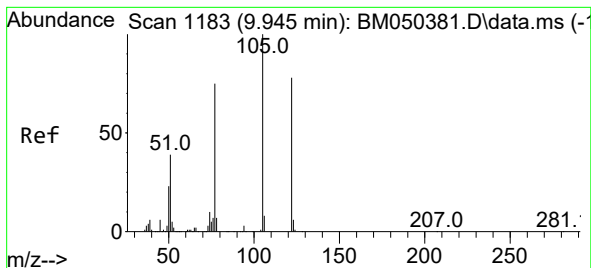
Tgt Ion: 93 Resp: 58
Ion Ratio Lower Upper
93 100
95 0.0 25.8 38.6#
123 0.0 9.1 13.7#



#31
Naphthalene
Concen: 45671.916 ng
RT: 10.704 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion:128 Resp: 132229
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 12.4 10.4 15.6





#32

Benzoic acid

Concen: 13602.898 ng

RT: 9.869 min Scan# 1183

Delta R.T. -0.076 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

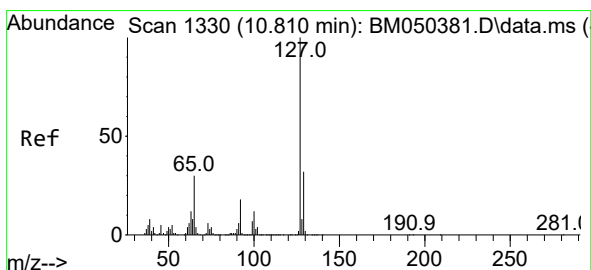
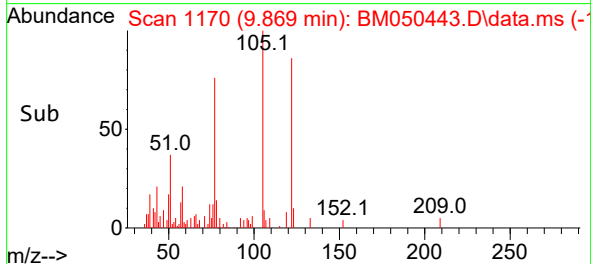
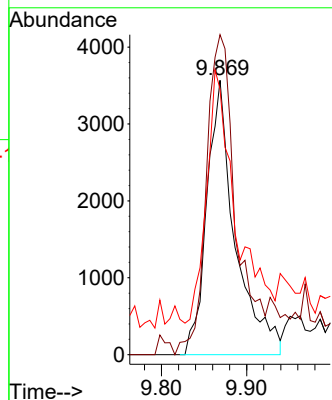
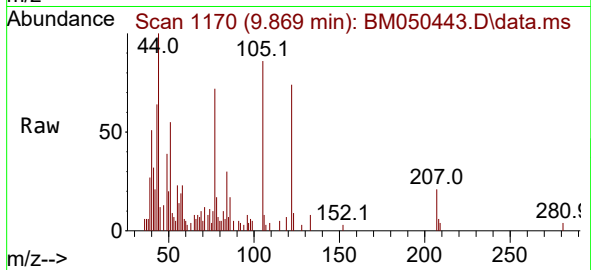
Tgt Ion:122 Resp: 8242

Ion Ratio Lower Upper

122 100

105 116.6 104.0 144.0

77 96.7 73.8 113.8



#33

4-Chloroaniline

Concen: 13962.770 ng

RT: 10.704 min Scan# 1312

Delta R.T. -0.106 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

Tgt Ion:127 Resp: 17090

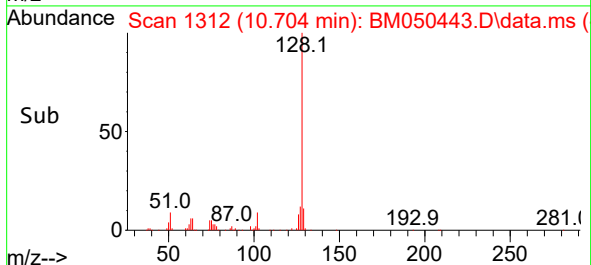
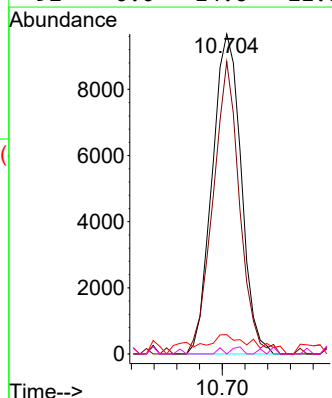
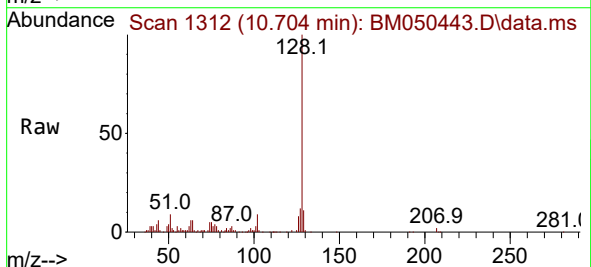
Ion Ratio Lower Upper

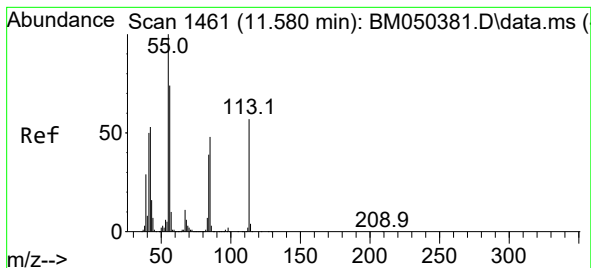
127 100

129 91.3 25.5 38.3#

65 6.1 23.9 35.9#

92 0.0 14.6 21.8#





#35

Caprolactam

Concen: 4763.061 ng

RT: 11.604 min Scan# 1465

Delta R.T. 0.023 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

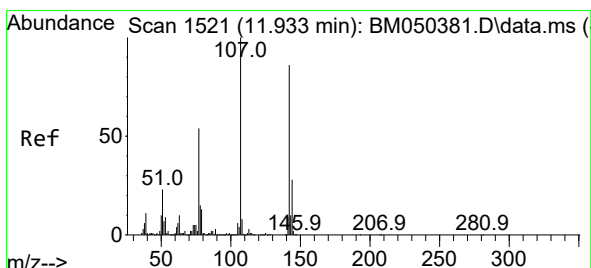
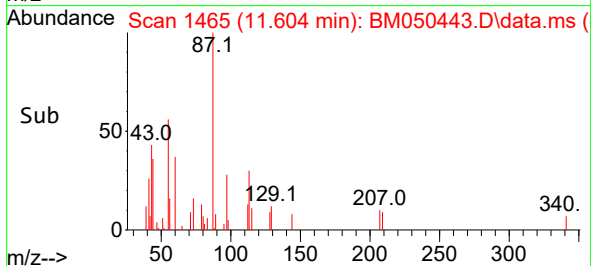
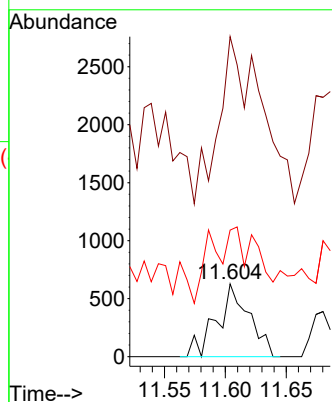
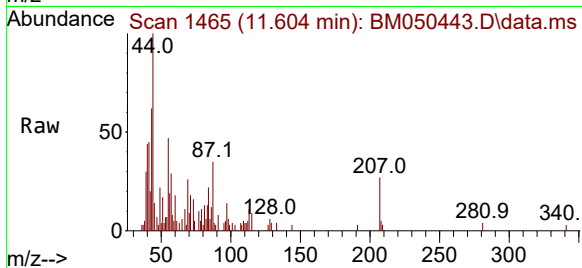
Tgt Ion:113 Resp: 1155

Ion Ratio Lower Upper

113 100

55 440.0 157.2 197.2#

56 174.0 111.7 151.7#



#36

4-Chloro-3-methylphenol

Concen: 245.931 ng

RT: 11.992 min Scan# 1531

Delta R.T. 0.059 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

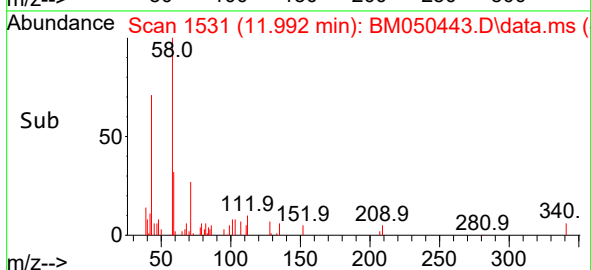
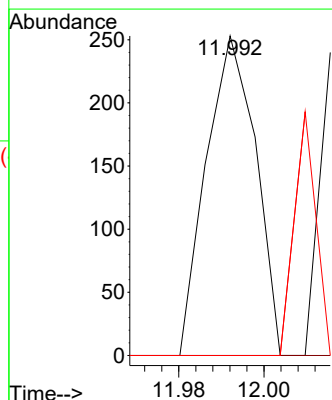
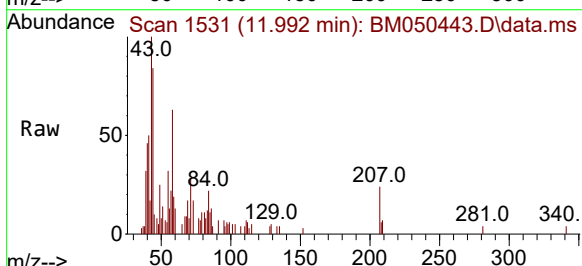
Tgt Ion:107 Resp: 204

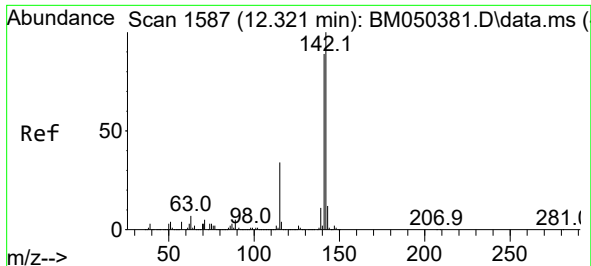
Ion Ratio Lower Upper

107 100

144 0.0 22.2 33.4#

142 0.0 68.7 103.1#

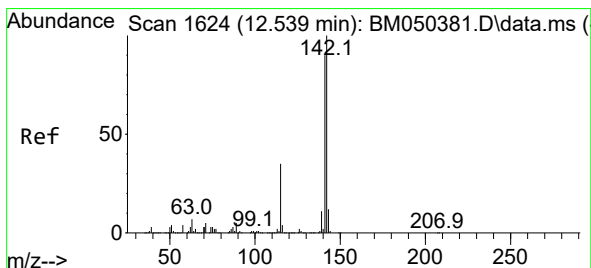
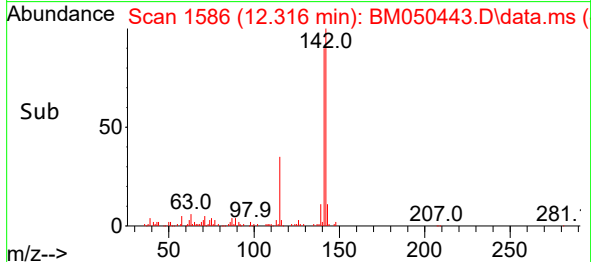
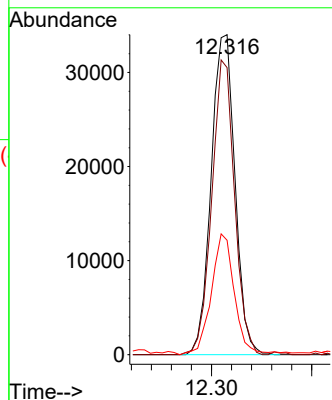
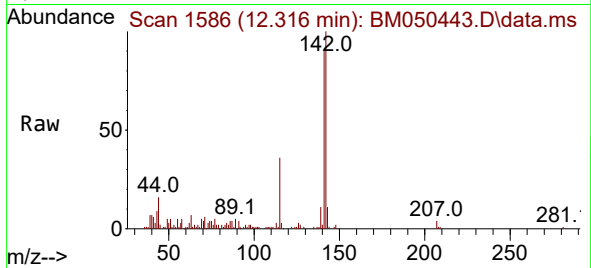




#37
2-Methylnaphthalene
Concen: 30740.065 ng
RT: 12.316 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

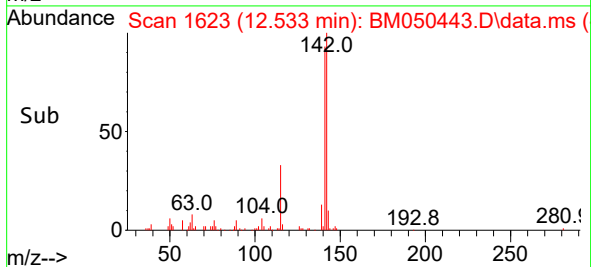
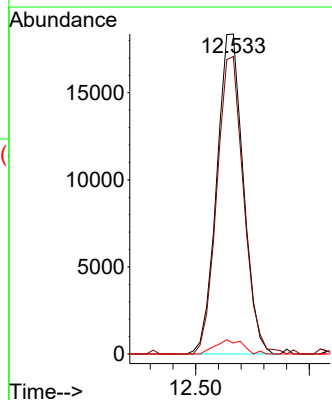
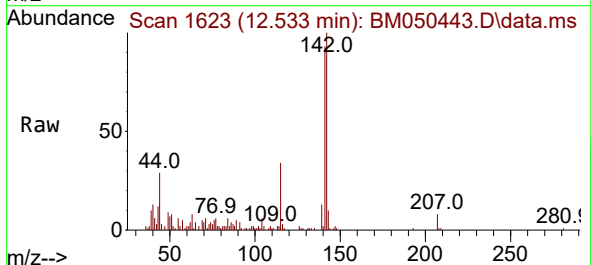
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

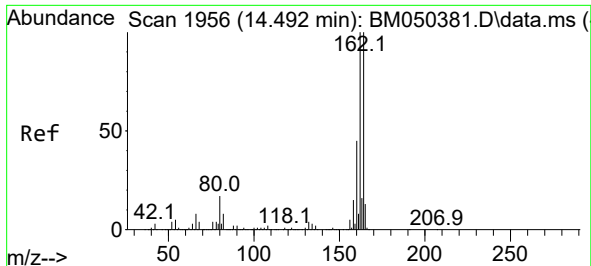
Tgt Ion:142 Resp: 56194
Ion Ratio Lower Upper
142 100
141 89.7 70.8 106.2
115 35.8 27.0 40.4



#38
1-Methylnaphthalene
Concen: 15450.072 ng
RT: 12.533 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion:142 Resp: 29890
Ion Ratio Lower Upper
142 100
141 92.9 71.9 107.9
116 3.4 3.0 4.6

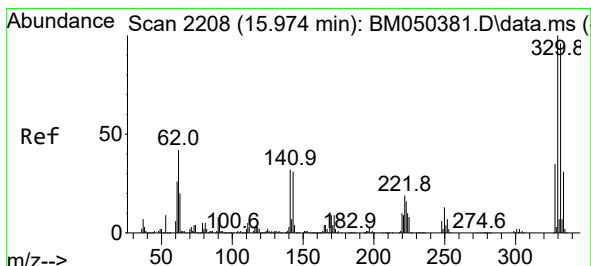
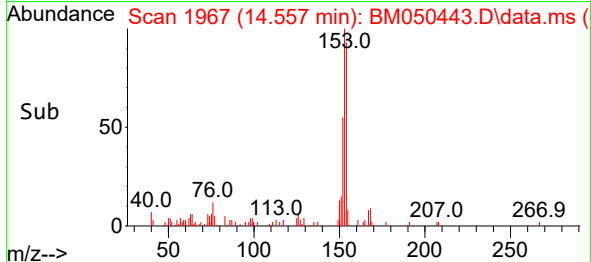
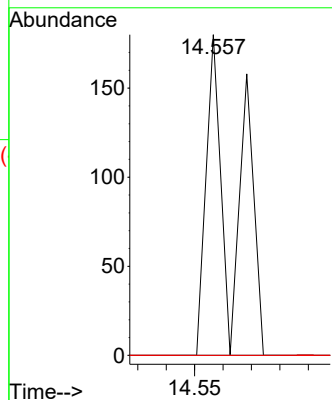
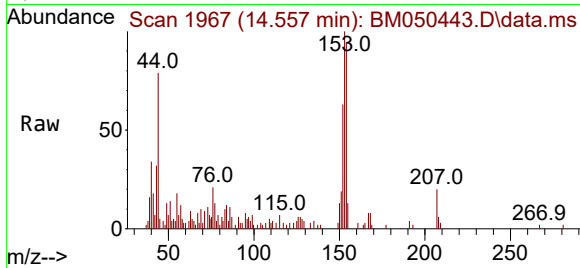




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 11
Delta R.T. 0.065 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

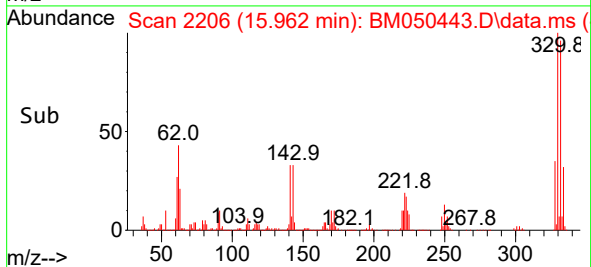
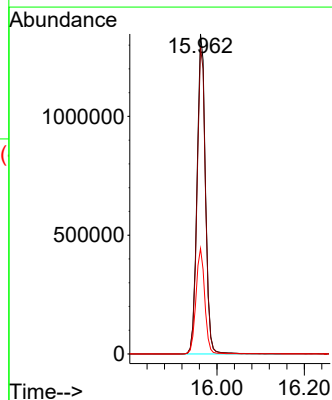
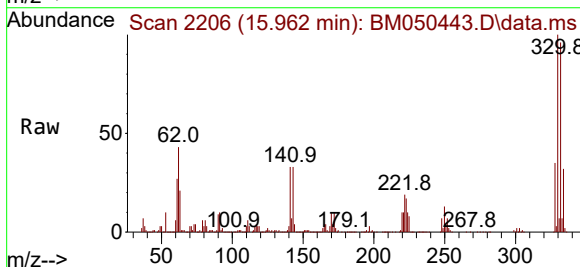
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

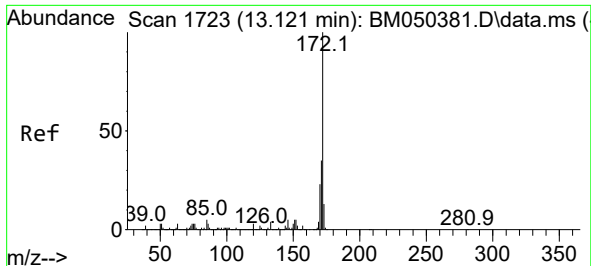
Tgt Ion:164 Resp: 119
Ion Ratio Lower Upper
164 100
162 0.0 79.9 119.9#
160 0.0 36.2 54.4#



#42
2,4,6-Tribromophenol
Concen: 1249648.171 ng
RT: 15.962 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion:330 Resp: 1806818
Ion Ratio Lower Upper
330 100
332 96.1 76.9 115.3
141 34.3 27.4 41.0

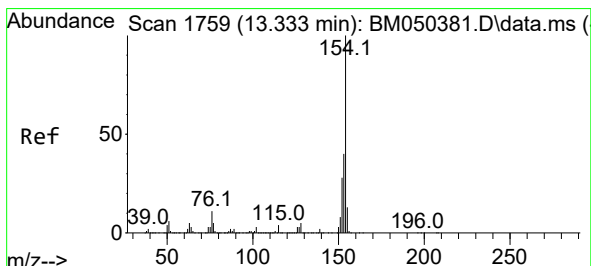
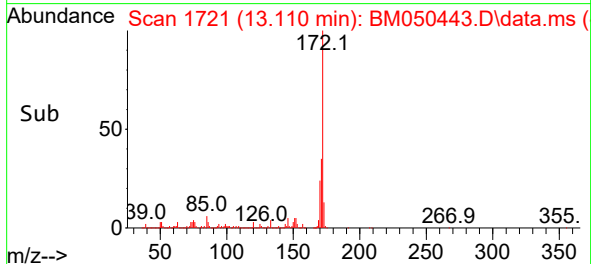
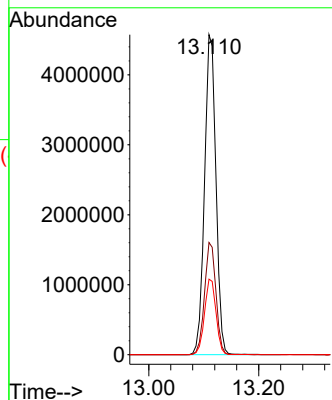
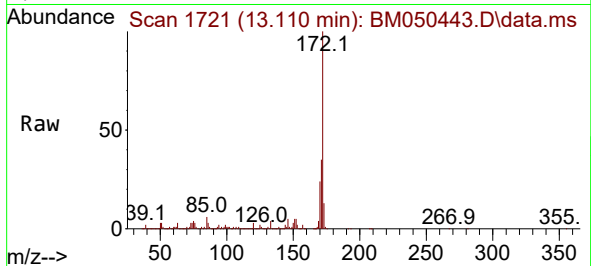




#45
2-Fluorobiphenyl
Concen: 682833.582 ng
RT: 13.110 min Scan# 1721
Delta R.T. -0.012 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

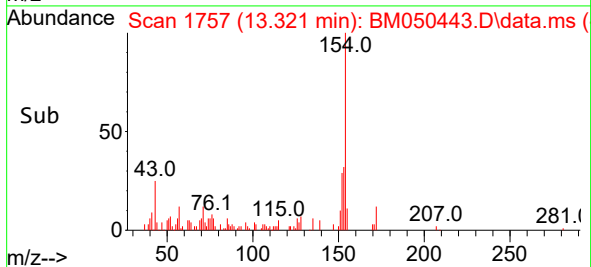
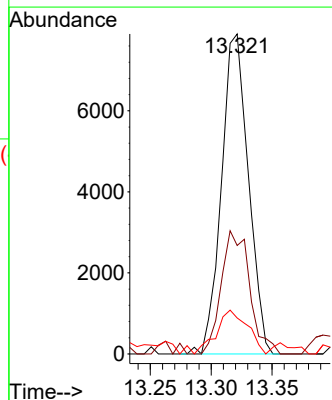
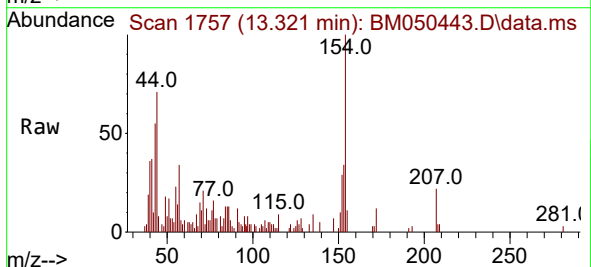
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

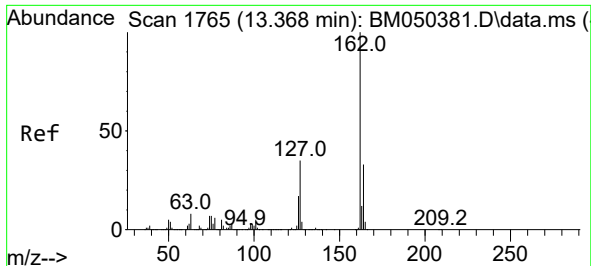
Tgt Ion:172 Resp: 6579891
Ion Ratio Lower Upper
172 100
171 35.0 27.7 41.5
170 23.6 18.8 28.2



#46
1,1'-Biphenyl
Concen: 1376.824 ng
RT: 13.321 min Scan# 1757
Delta R.T. -0.012 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion:154 Resp: 12156
Ion Ratio Lower Upper
154 100
153 33.9 19.7 59.7
76 11.2 0.0 30.9

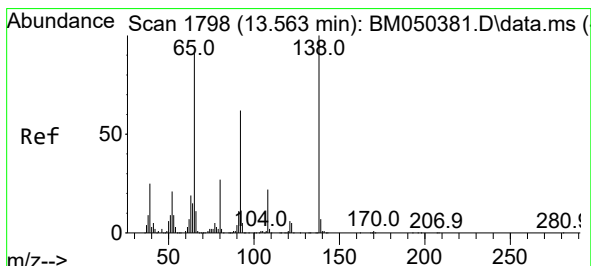
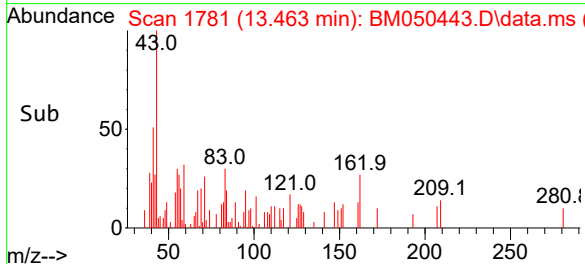
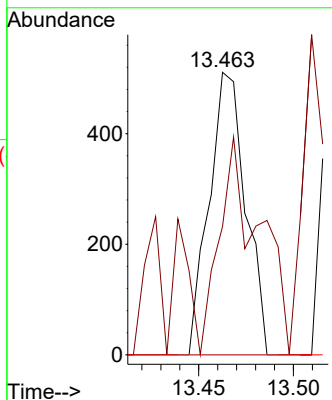
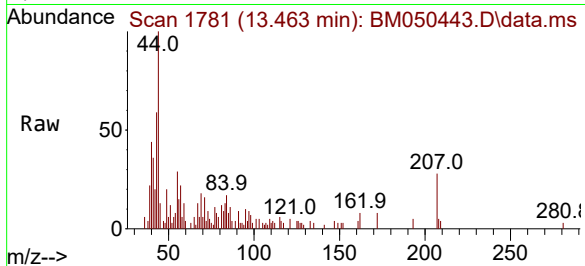




#47
2-Chloronaphthalene
Concen: 97.450 ng
RT: 13.463 min Scan# 1
Delta R.T. 0.094 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

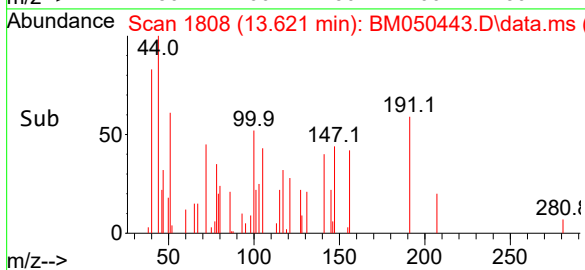
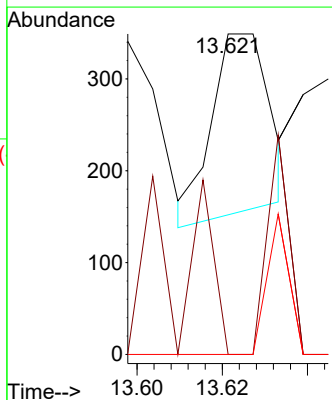
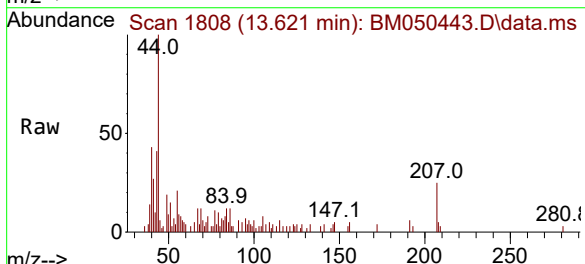
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

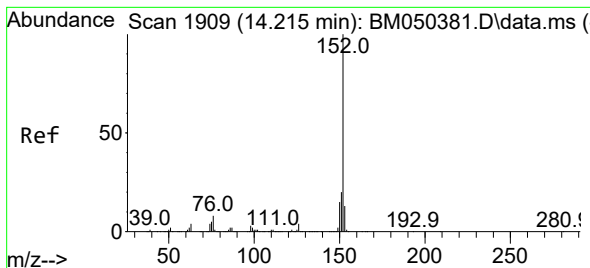
Tgt Ion:162 Resp: 686
Ion Ratio Lower Upper
162 100
127 45.4 28.3 42.5#
164 0.0 26.6 40.0#



#48
2-Nitroaniline
Concen: 118.375 ng
RT: 13.621 min Scan# 1808
Delta R.T. 0.059 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion: 65 Resp: 186
Ion Ratio Lower Upper
65 100
92 0.0 54.3 81.5#
138 0.0 87.8 131.6#





#49

Acenaphthylene

Concen: 217.134 ng

RT: 14.198 min Scan# 1906

Delta R.T. -0.018 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

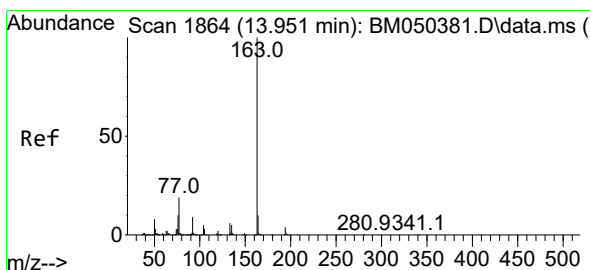
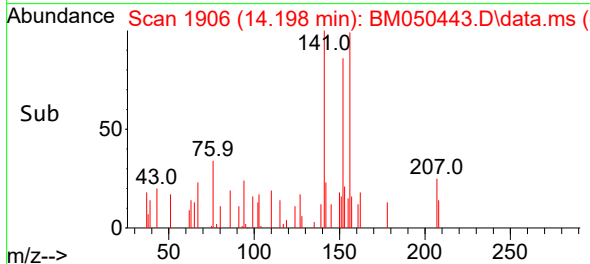
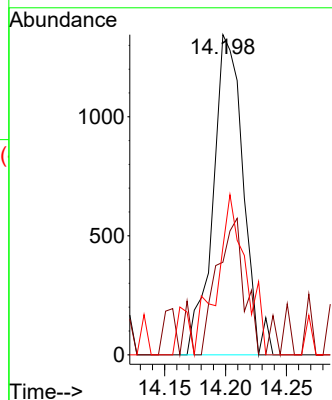
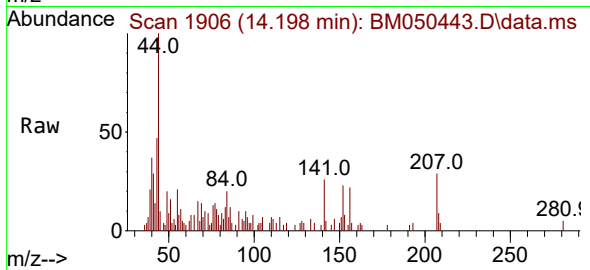
Tgt Ion:152 Resp: 2310

Ion Ratio Lower Upper

152 100

151 28.9 16.3 24.5#

153 33.6 10.6 15.8#



#50

Dimethylphthalate

Concen: 5292.178 ng

RT: 13.939 min Scan# 1862

Delta R.T. -0.012 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

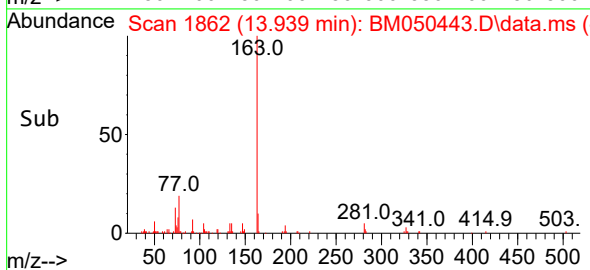
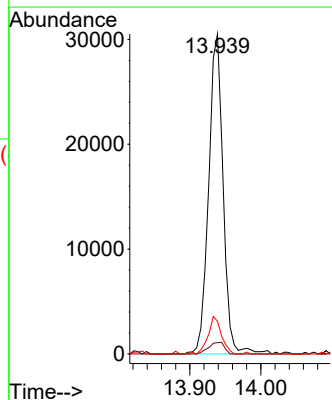
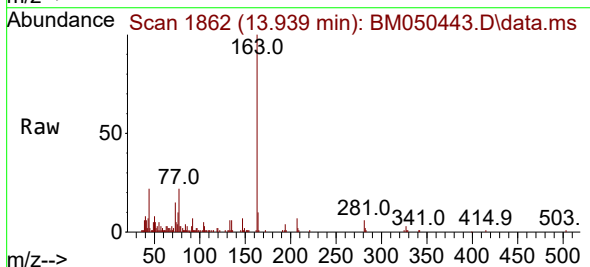
Tgt Ion:163 Resp: 43358

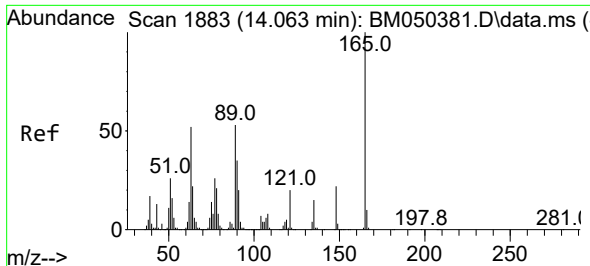
Ion Ratio Lower Upper

163 100

194 3.5 3.4 5.2

164 10.2 8.2 12.2

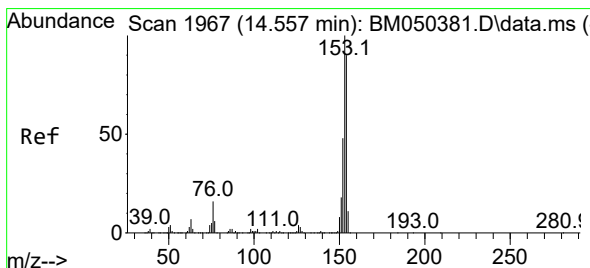
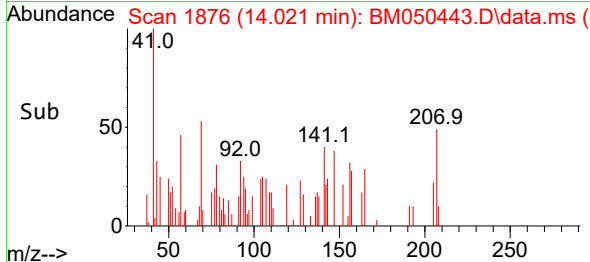
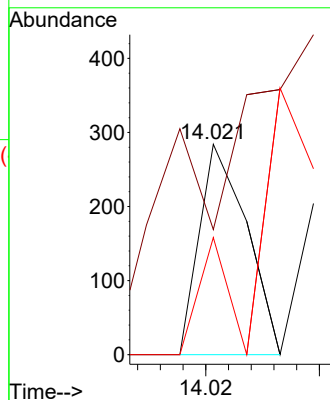
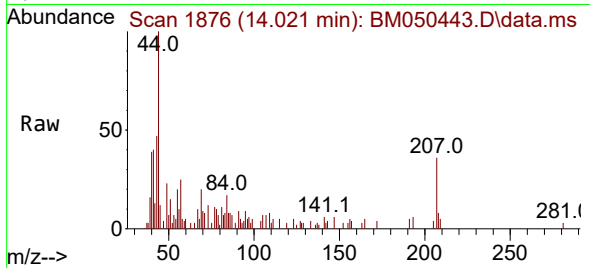




#51
2,6-Dinitrotoluene
Concen: 104.256 ng
RT: 14.021 min Scan# 1883
Delta R.T. -0.041 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

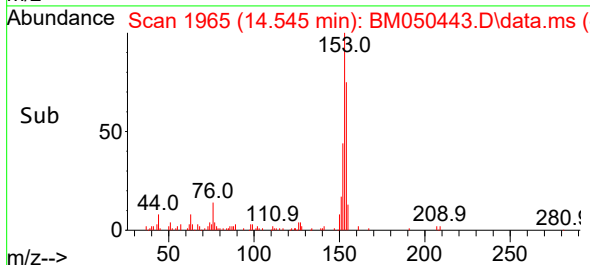
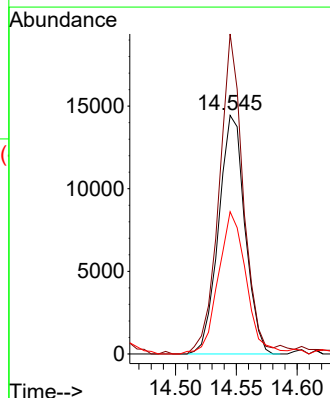
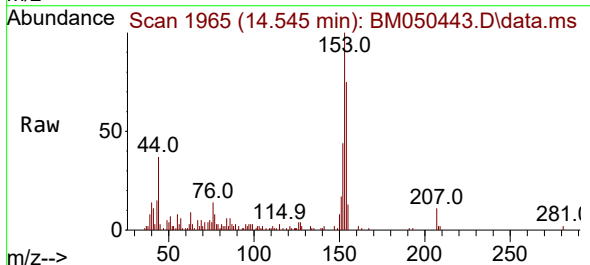
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

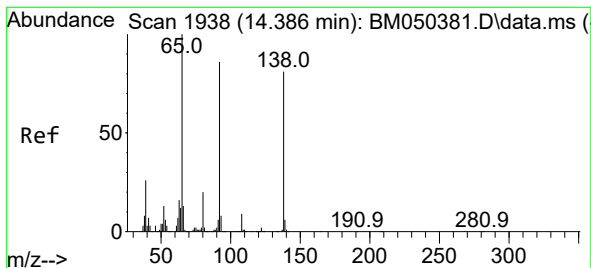
Tgt Ion:165	Resp:	164
Ion Ratio	Lower	Upper
165	100	
63	59.5	42.4 63.6
89	55.6	42.2 63.2



#52
Acenaphthene
Concen: 3219.586 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.012 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion:154	Resp:	21776
Ion Ratio	Lower	Upper
154	100	
153	134.1	89.2 133.8#
152	59.6	42.6 64.0

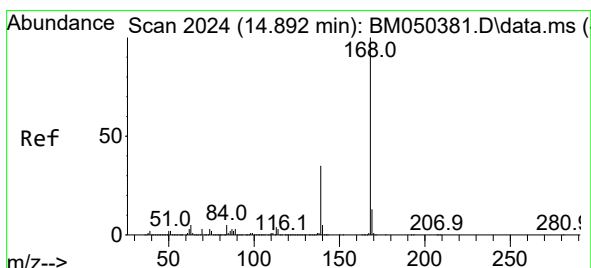
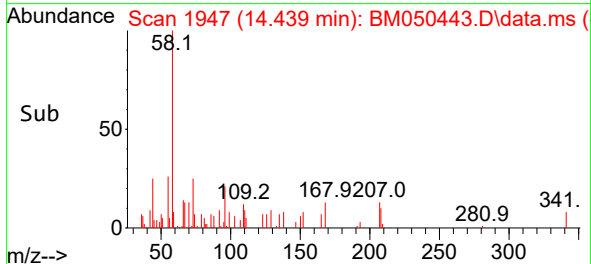
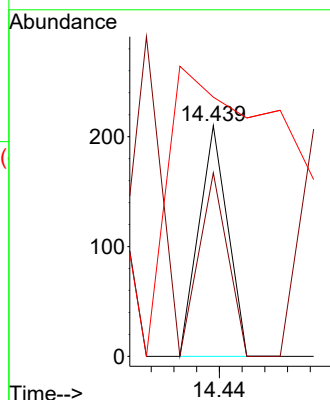
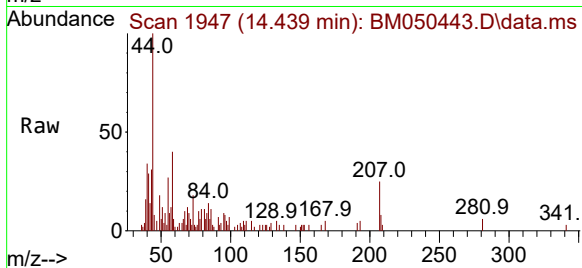




#53
3-Nitroaniline
Concen: 44.234 ng
RT: 14.439 min Scan# 1938
Delta R.T. 0.053 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

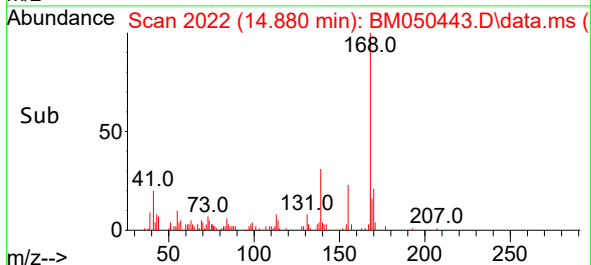
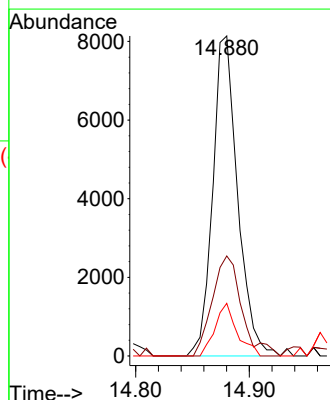
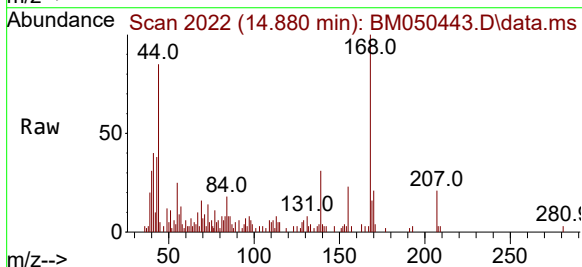
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

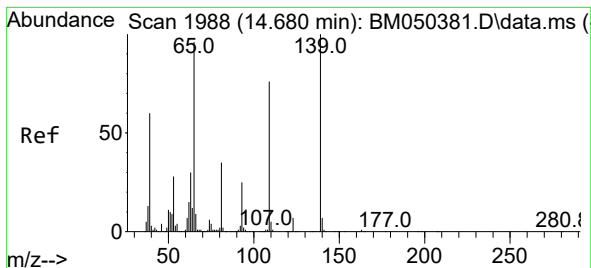
Tgt Ion:138 Resp: 74
Ion Ratio Lower Upper
138 100
108 79.5 8.8 13.2#
92 112.4 85.0 127.6



#55
Dibenzofuran
Concen: 1189.093 ng
RT: 14.880 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion:168 Resp: 12392
Ion Ratio Lower Upper
168 100
139 31.3 27.7 41.5
169 16.5 10.7 16.1#

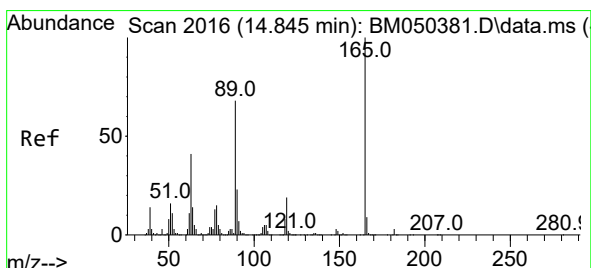
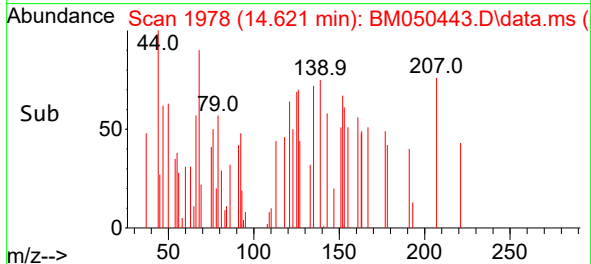
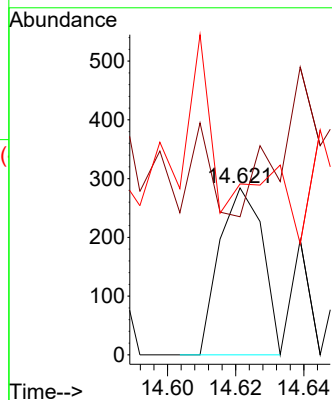
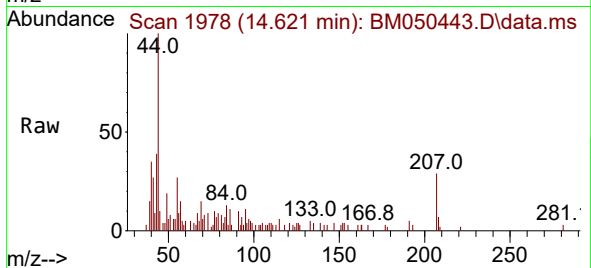




#56
4-Nitrophenol
Concen: 173.773 ng
RT: 14.621 min Scan# 1988
Delta R.T. -0.059 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

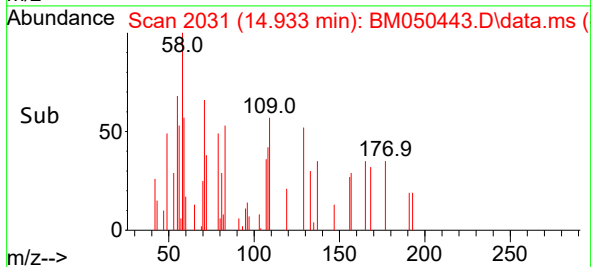
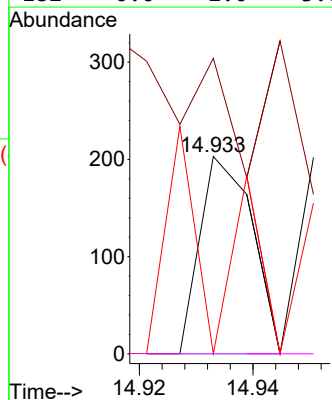
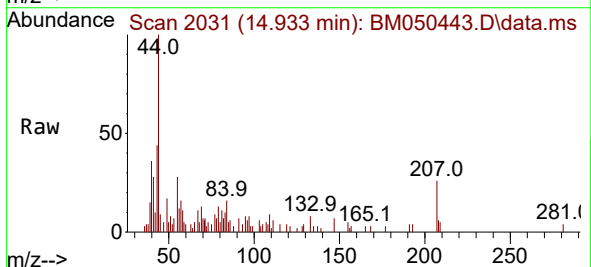
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

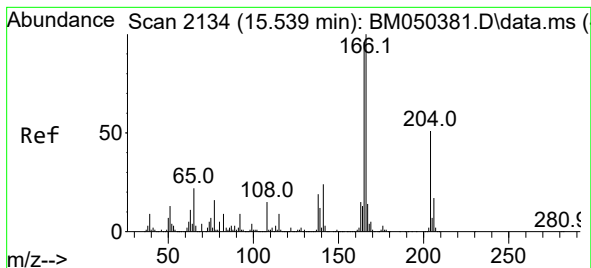
Tgt Ion:139 Resp: 250
Ion Ratio Lower Upper
139 100
109 82.7 56.5 96.5
65 102.5 76.4 116.4



#57
2,4-Dinitrotoluene
Concen: 54.796 ng
RT: 14.933 min Scan# 2031
Delta R.T. 0.088 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion:165 Resp: 130
Ion Ratio Lower Upper
165 100
63 149.8 32.5 48.7#
89 0.0 54.0 81.0#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 2459.859 ng

RT: 15.527 min Scan# 2134

Delta R.T. -0.012 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

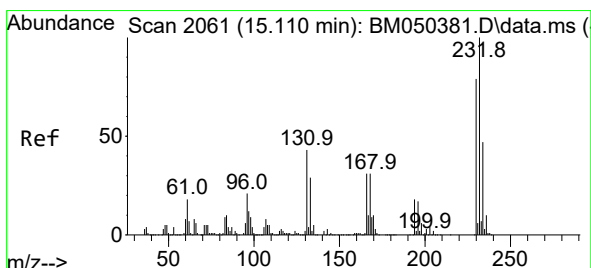
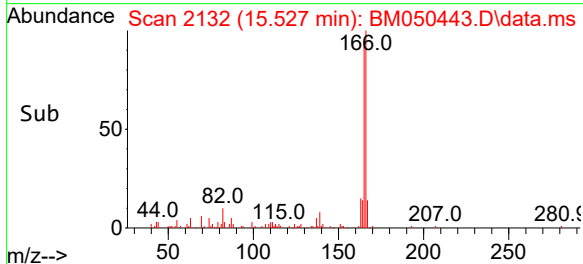
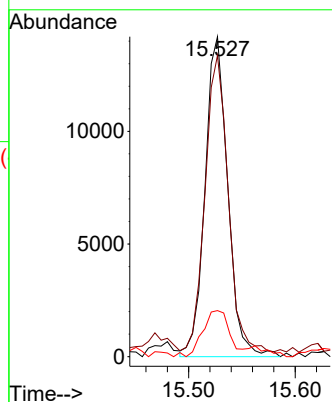
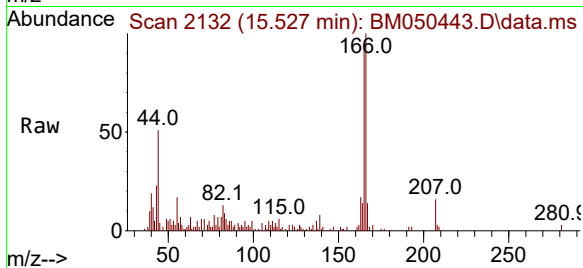
Tgt Ion:166 Resp: 21115

Ion Ratio Lower Upper

166 100

165 94.1 77.0 115.6

167 14.4 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 161.567 ng

RT: 15.104 min Scan# 2060

Delta R.T. -0.006 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

Tgt Ion:232 Resp: 346

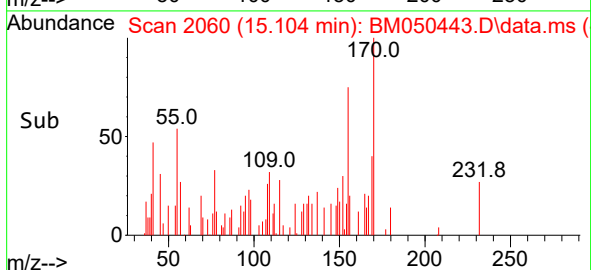
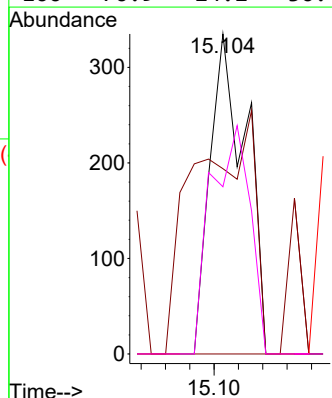
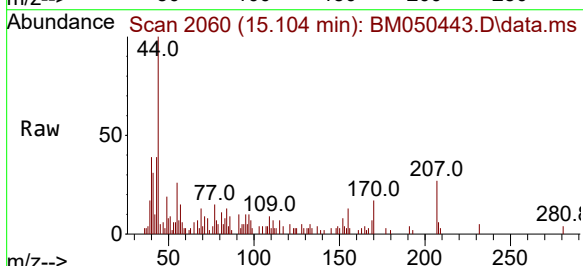
Ion Ratio Lower Upper

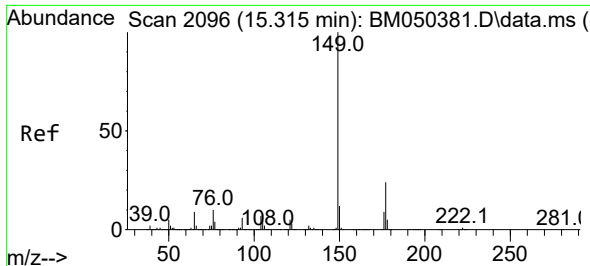
232 100

131 122.8 33.4 50.0#

130 0.0 1.8 2.6#

166 76.9 24.2 36.4#

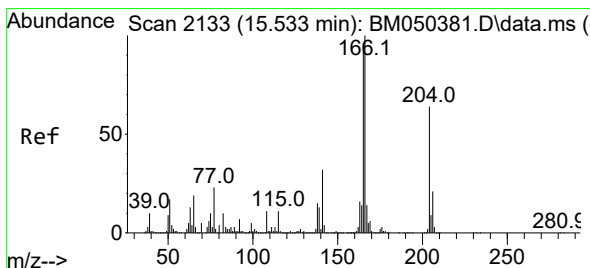
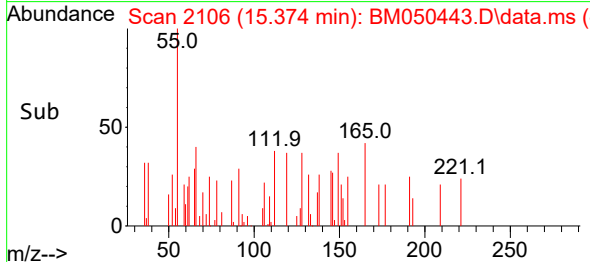
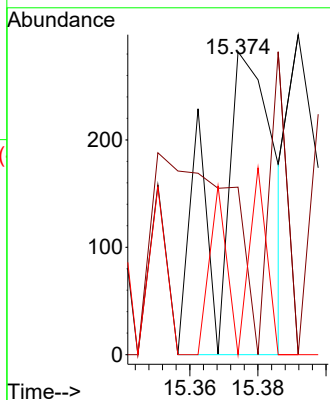
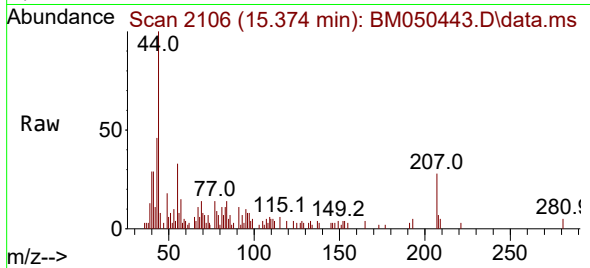




#60
Diethylphthalate
Concen: 42.550 ng
RT: 15.374 min Scan# 2106
Delta R.T. 0.059 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

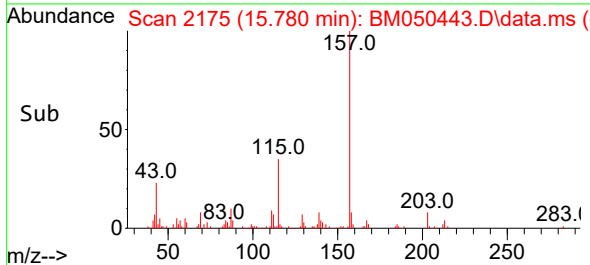
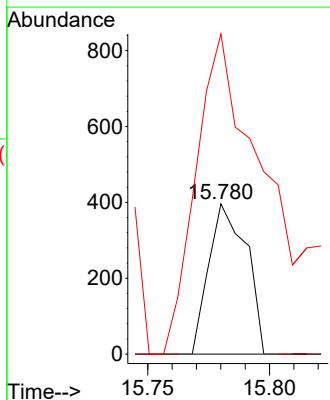
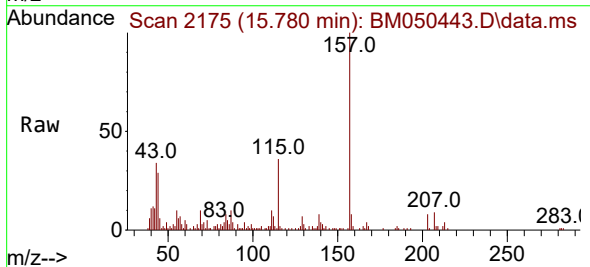
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

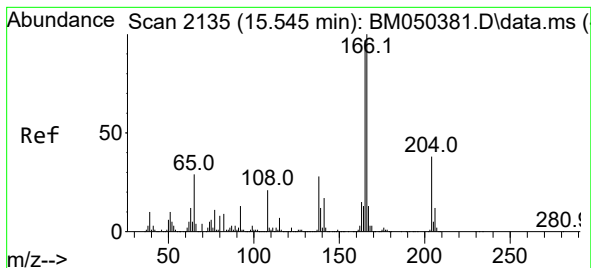
Tgt Ion:149 Resp: 333
Ion Ratio Lower Upper
149 100
177 55.3 18.8 28.2#
150 0.0 9.8 14.8#



#61
4-Chlorophenyl-phenylether
Concen: 94.911 ng
RT: 15.780 min Scan# 2175
Delta R.T. 0.247 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion:204 Resp: 426
Ion Ratio Lower Upper
204 100
206 0.0 26.6 39.8#
141 213.1 39.9 59.9#

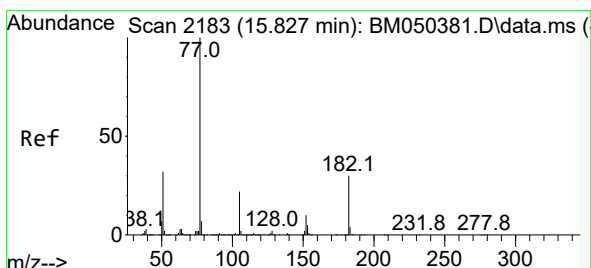
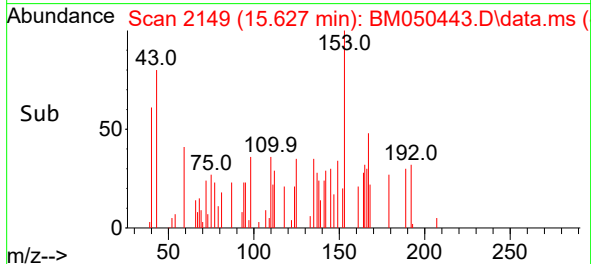
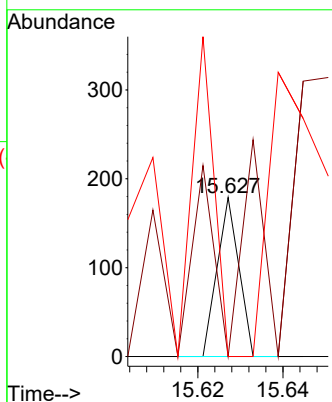
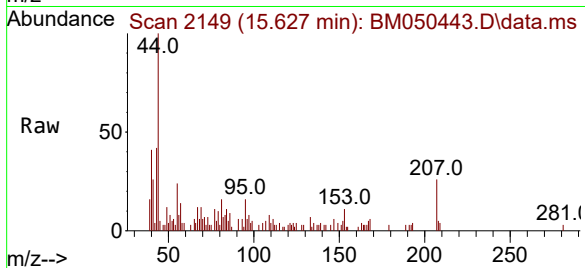




#62
4-Nitroaniline
Concen: 33.578 ng
RT: 15.627 min Scan# 2135
Delta R.T. 0.082 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

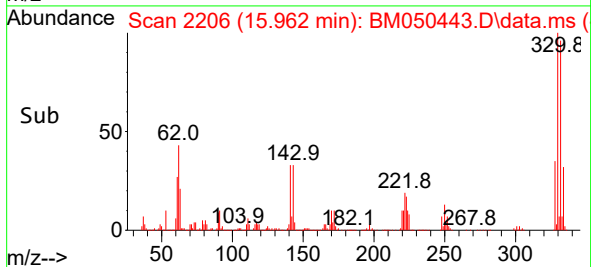
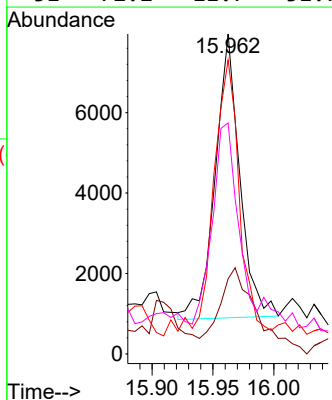
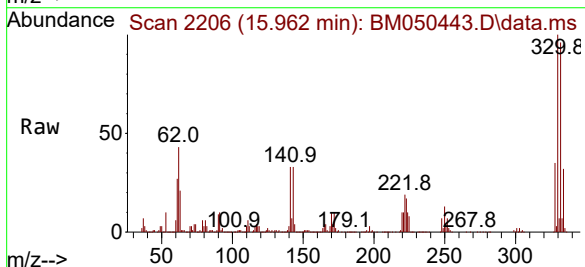
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

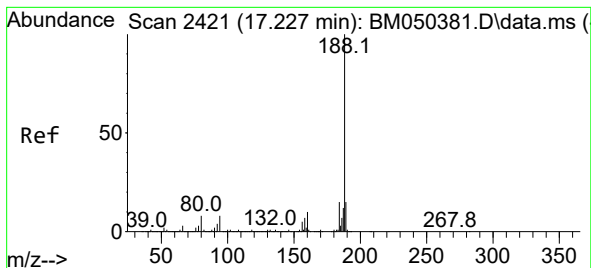
Tgt Ion:138 Resp: 63
Ion Ratio Lower Upper
138 100
92 0.0 24.5 64.5#
108 0.0 52.5 92.5#



#63
Azobenzene
Concen: 1373.724 ng
RT: 15.962 min Scan# 2206
Delta R.T. 0.135 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion: 77 Resp: 9872
Ion Ratio Lower Upper
77 100
182 23.5 10.0 50.0
105 91.9 2.0 42.0#
51 72.2 11.7 51.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

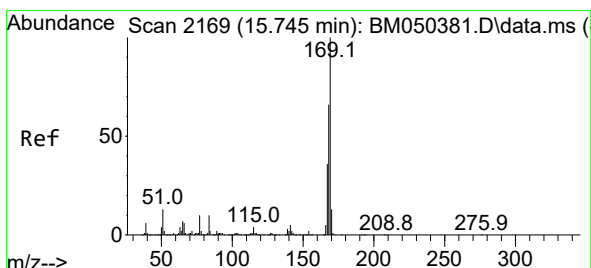
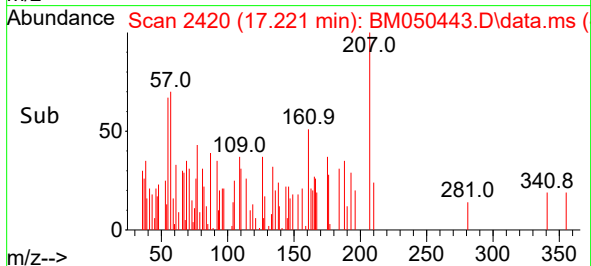
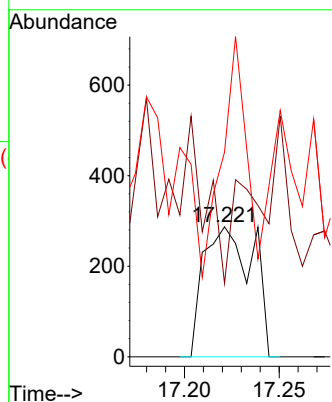
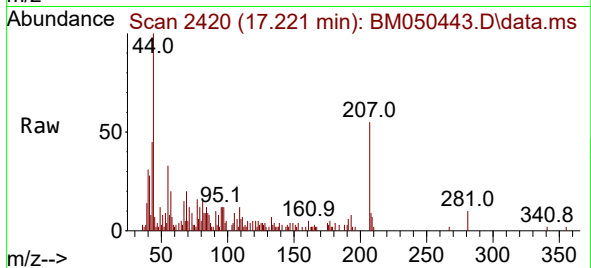
Tgt Ion:188 Resp: 517

Ion Ratio Lower Upper

188 100

94 56.4 6.0 9.0#

80 157.5 6.5 9.7#



#66

n-Nitrosodiphenylamine

Concen: 3744.709 ng

RT: 15.962 min Scan# 2206

Delta R.T. 0.218 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

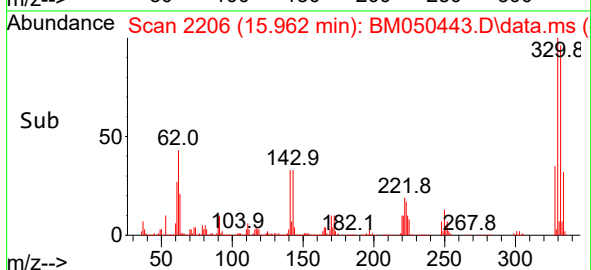
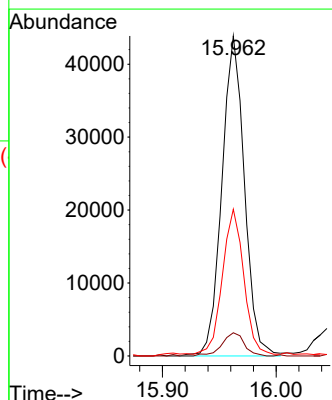
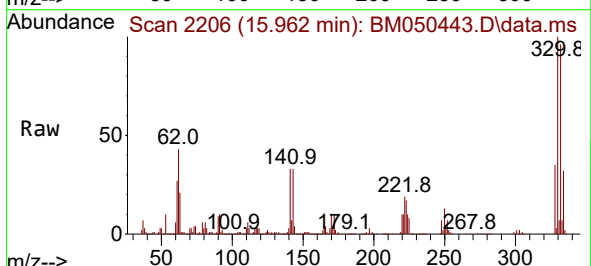
Tgt Ion:169 Resp: 60581

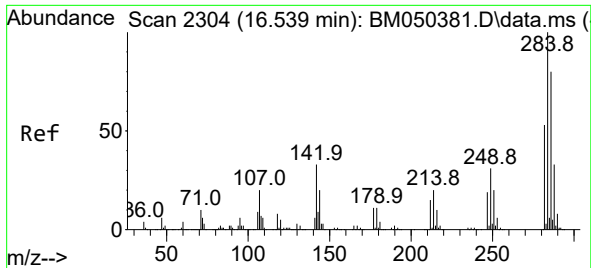
Ion Ratio Lower Upper

169 100

168 7.3 53.2 79.8#

167 45.8 28.7 43.1#

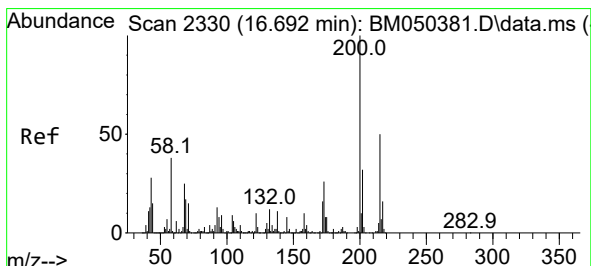
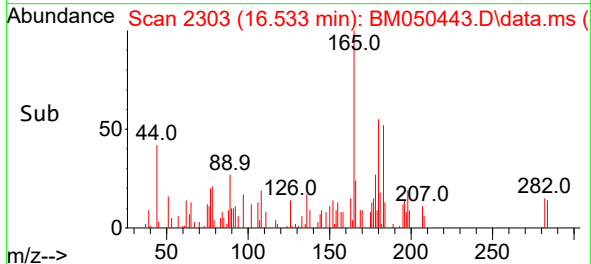
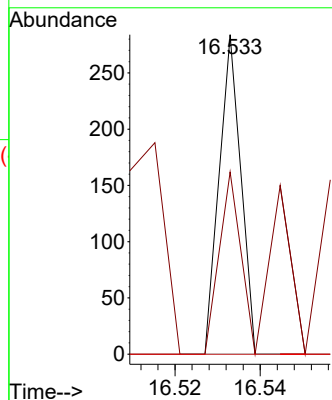
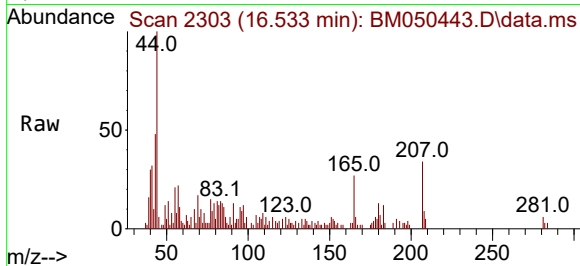




#68
Hexachlorobenzene
Concen: 14.864 ng
RT: 16.533 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

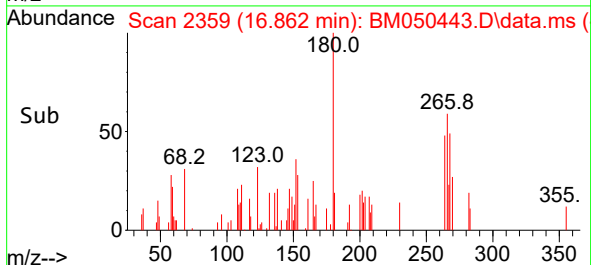
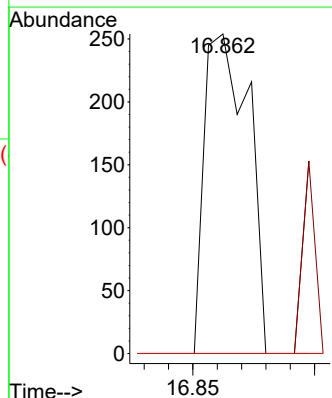
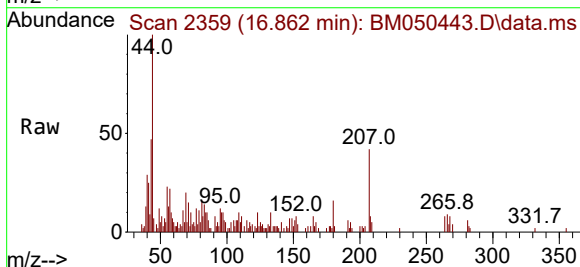
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

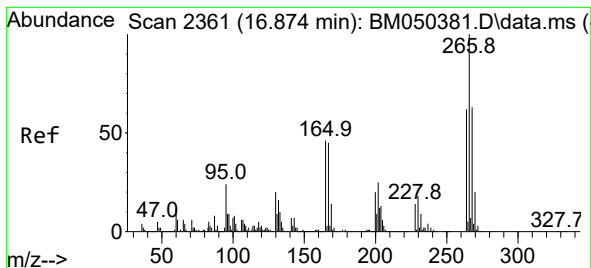
Tgt Ion:284 Resp: 100
Ion Ratio Lower Upper
284 100
142 57.0 26.8 40.2#
249 0.0 24.5 36.7#



#69
Atrazine
Concen: 60.050 ng
RT: 16.862 min Scan# 2359
Delta R.T. 0.171 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion:200 Resp: 319
Ion Ratio Lower Upper
200 100
173 0.0 5.6 45.6#
215 0.0 29.6 69.6#





#70

Pentachlorophenol

Concen: 333.094 ng

RT: 16.868 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

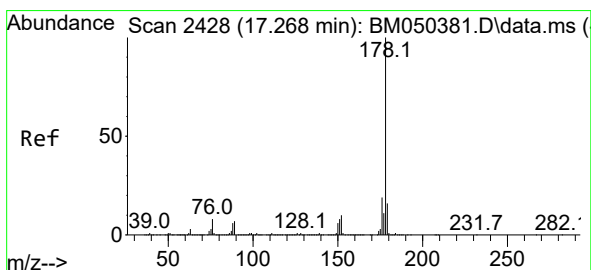
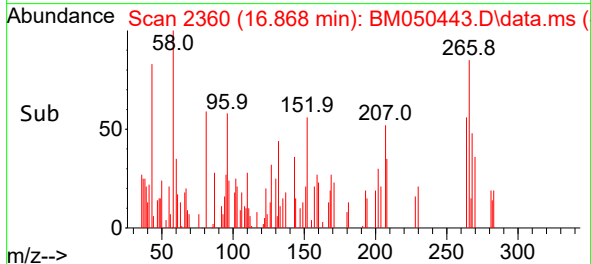
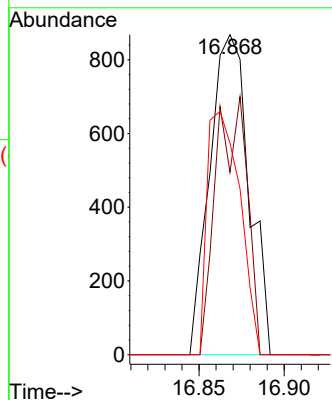
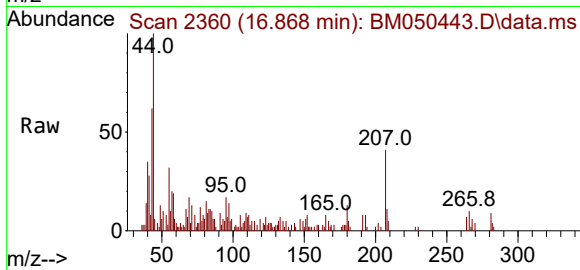
Tgt Ion:266 Resp: 1395

Ion Ratio Lower Upper

266 100

268 57.0 50.5 75.7

264 66.1 49.9 74.9



#71

Phenanthrene

Concen: 2524.784 ng

RT: 17.256 min Scan# 2426

Delta R.T. -0.012 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

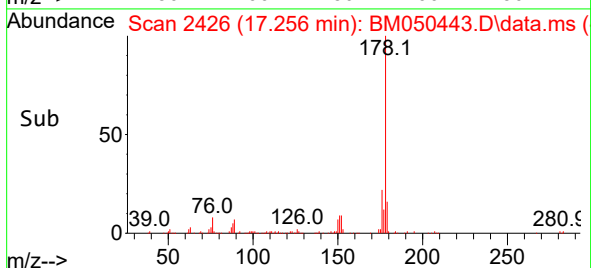
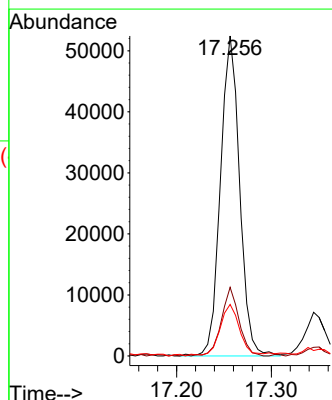
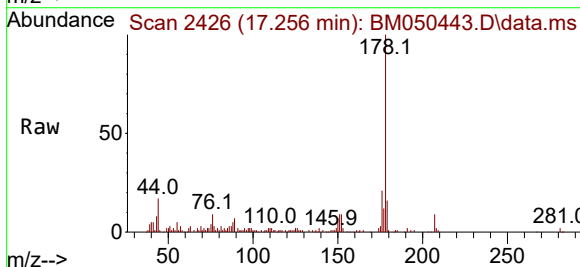
Tgt Ion:178 Resp: 73862

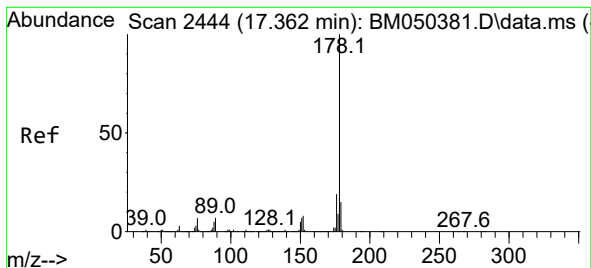
Ion Ratio Lower Upper

178 100

176 21.5 15.4 23.0

179 16.1 12.5 18.7





#72

Anthracene

Concen: 343.884 ng

RT: 17.345 min Scan# 2444

Delta R.T. -0.018 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

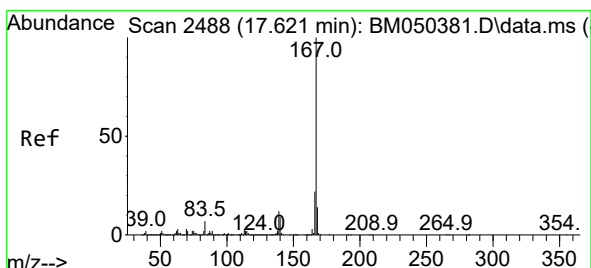
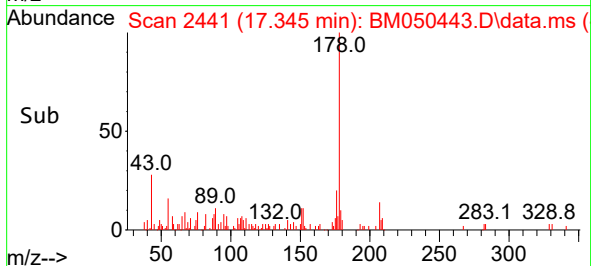
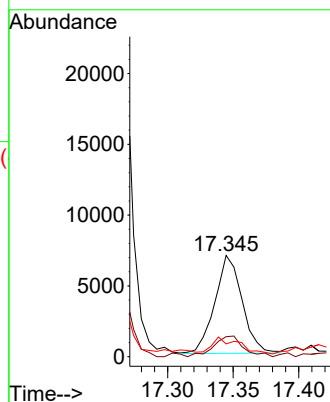
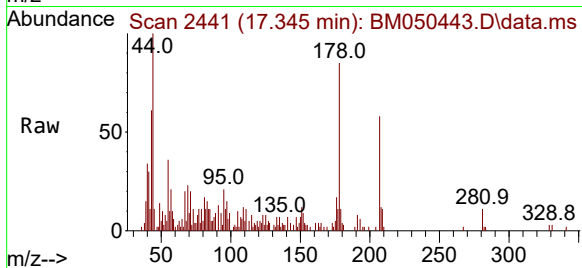
Tgt Ion:178 Resp: 10014

Ion Ratio Lower Upper

178 100

176 19.8 14.9 22.3

179 12.6 12.2 18.4



#73

Carbazole

Concen: 64.444 ng

RT: 17.615 min Scan# 2487

Delta R.T. -0.006 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

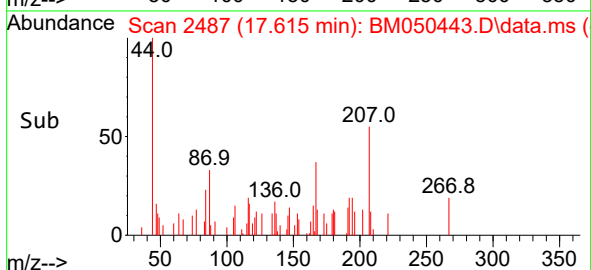
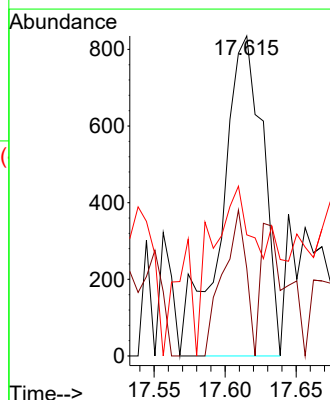
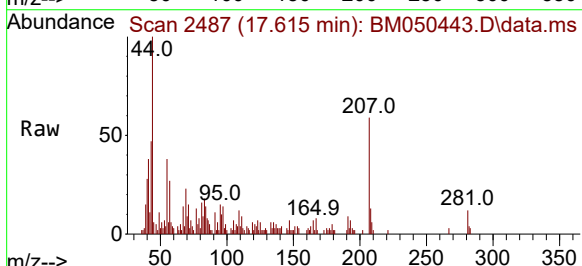
Tgt Ion:167 Resp: 1698

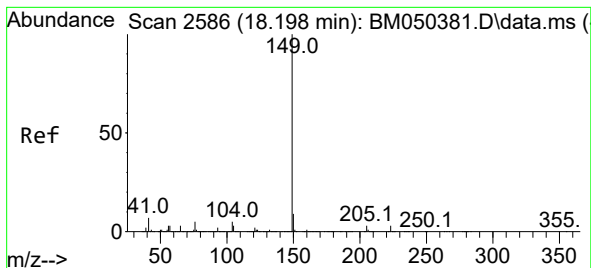
Ion Ratio Lower Upper

167 100

166 27.4 17.2 25.8#

139 37.8 9.9 14.9#





#74

Di-n-butylphthalate

Concen: 646.503 ng

RT: 18.180 min Scan# 2

Delta R.T. -0.018 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

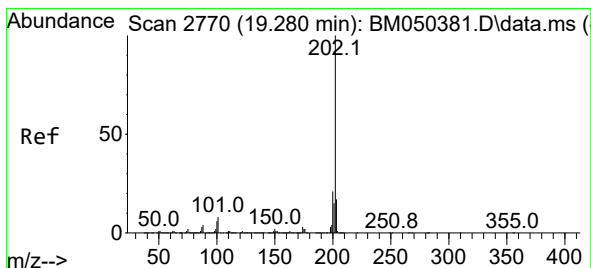
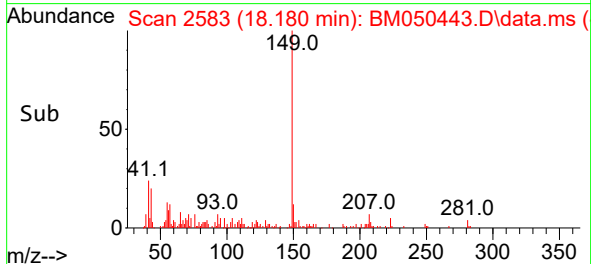
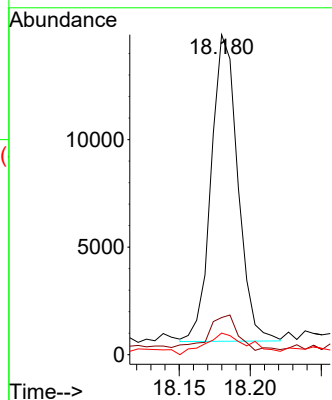
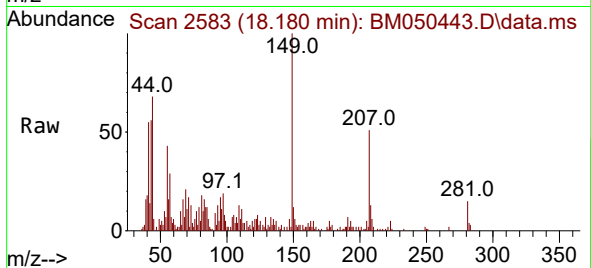
Tgt Ion:149 Resp: 18645

Ion Ratio Lower Upper

149 100

150 11.6 7.3 10.9#

104 6.8 3.9 5.9#



#75

Fluoranthene

Concen: 534.882 ng

RT: 19.262 min Scan# 2767

Delta R.T. -0.018 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

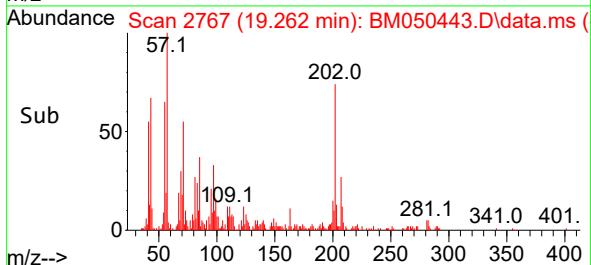
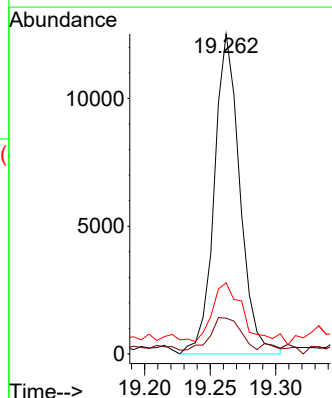
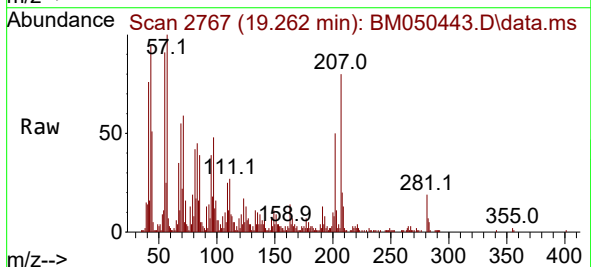
Tgt Ion:202 Resp: 17011

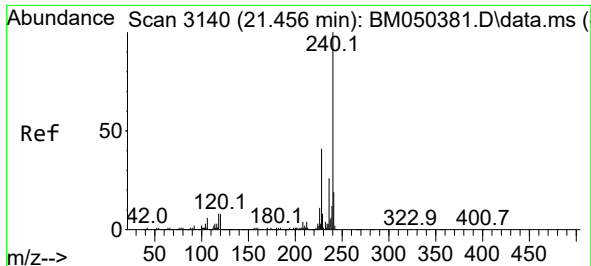
Ion Ratio Lower Upper

202 100

101 11.2 0.0 28.3

203 22.2 0.0 37.2

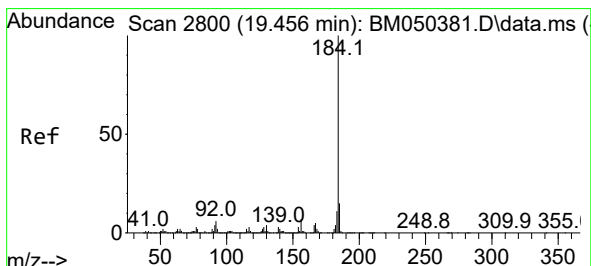
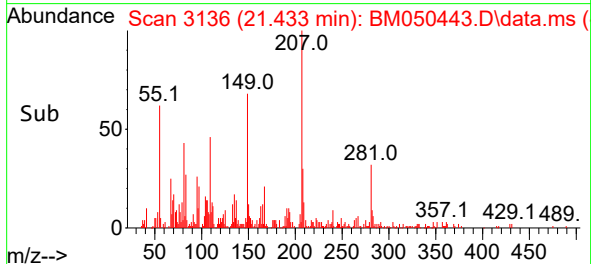
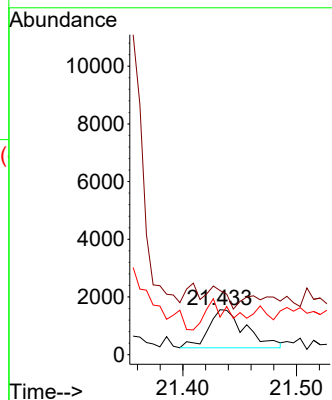
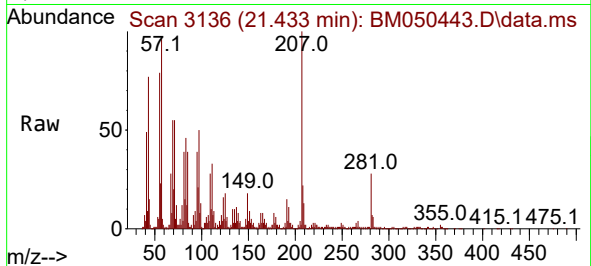




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3140
Delta R.T. -0.024 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

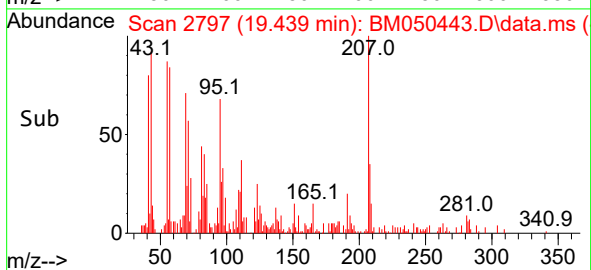
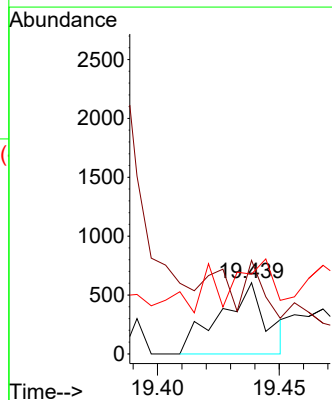
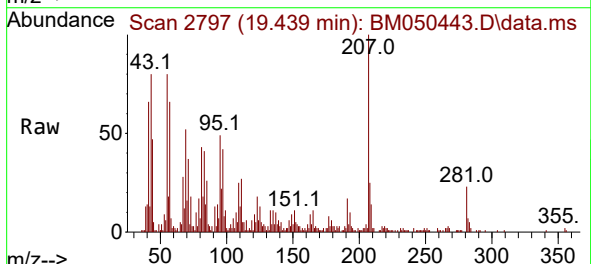
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

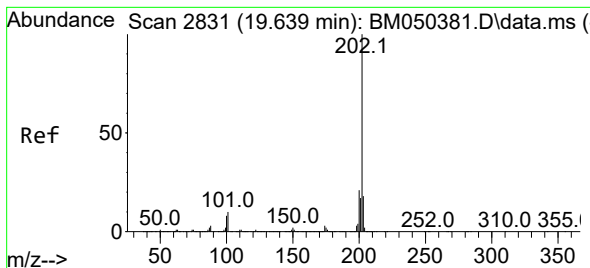
Tgt Ion:240 Resp: 3022
Ion Ratio Lower Upper
240 100
120 142.4 6.7 10.1#
236 83.7 20.7 31.1#



#77
Benzidine
Concen: 10.547 ng
RT: 19.439 min Scan# 2797
Delta R.T. -0.018 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion:184 Resp: 813
Ion Ratio Lower Upper
184 100
185 131.6 11.7 17.5#
183 112.3 9.0 13.6#





#78

Pyrene

Concen: 99.135 ng

RT: 19.621 min Scan# 2

Delta R.T. -0.018 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

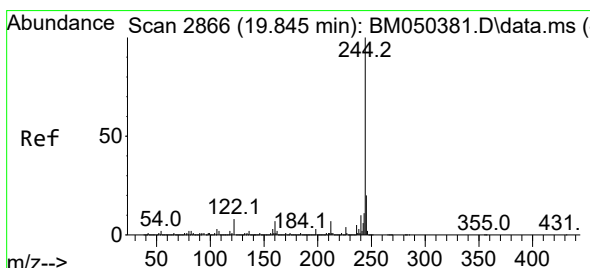
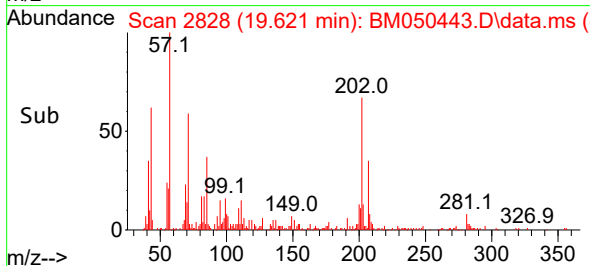
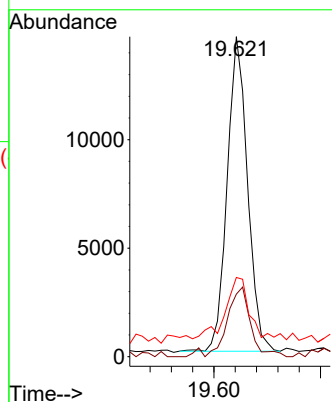
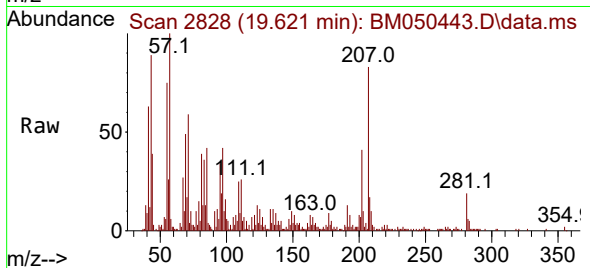
Tgt Ion:202 Resp: 19187

Ion Ratio Lower Upper

202 100

200 19.5 16.9 25.3

203 24.7 14.1 21.1#



#79

Terphenyl-d14

Concen: 66032.966 ng

RT: 19.827 min Scan# 2863

Delta R.T. -0.018 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

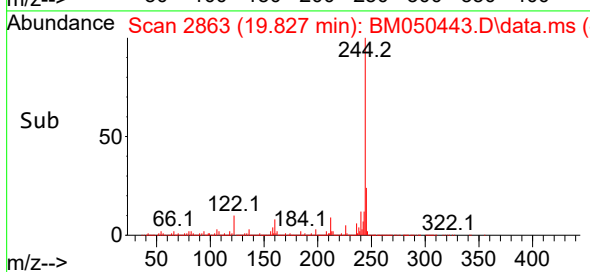
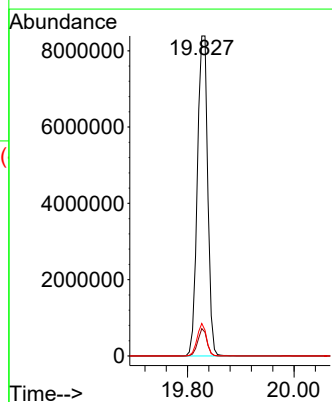
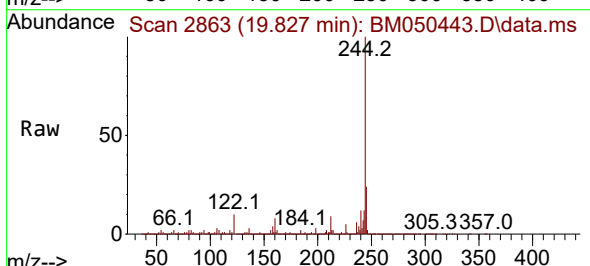
Tgt Ion:244 Resp:11341650

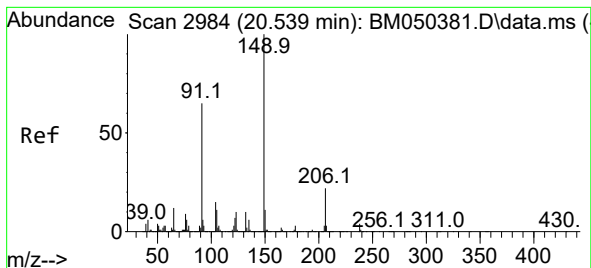
Ion Ratio Lower Upper

244 100

212 8.6 5.7 8.5#

122 10.2 6.2 9.2#





#80

Butylbenzylphthalate

Concen: 46.899 ng

RT: 20.503 min Scan# 2984

Delta R.T. -0.035 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

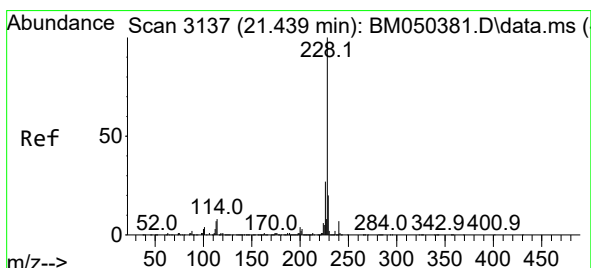
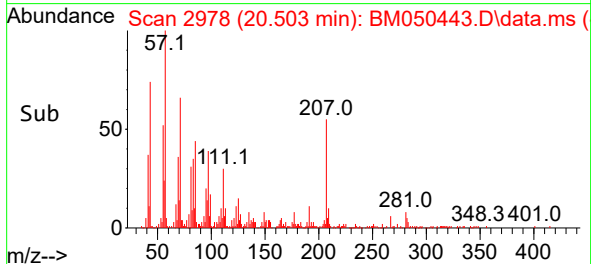
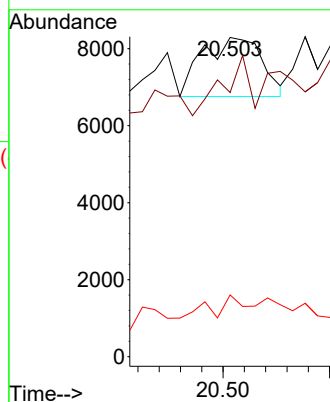
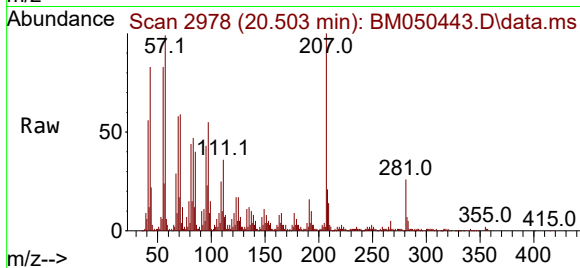
Tgt Ion:149 Resp: 2993

Ion Ratio Lower Upper

149 100

91 82.8 51.6 77.4#

206 19.4 17.8 26.8



#81

Benzo(a)anthracene

Concen: 14.606 ng

RT: 21.409 min Scan# 3132

Delta R.T. -0.029 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

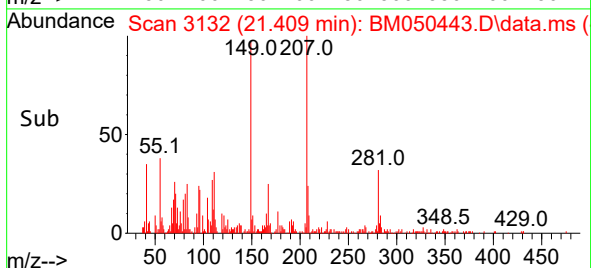
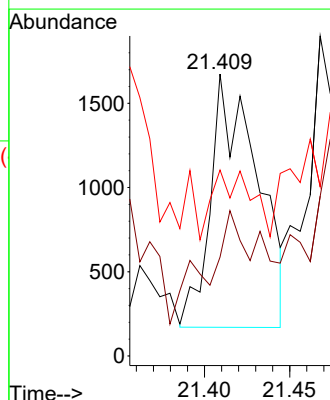
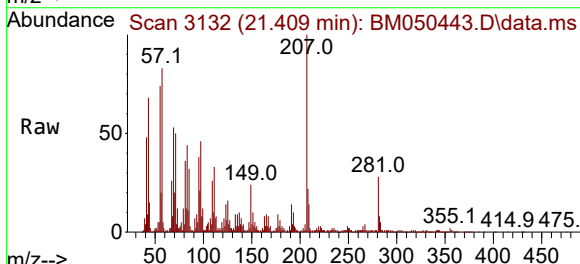
Tgt Ion:228 Resp: 2876

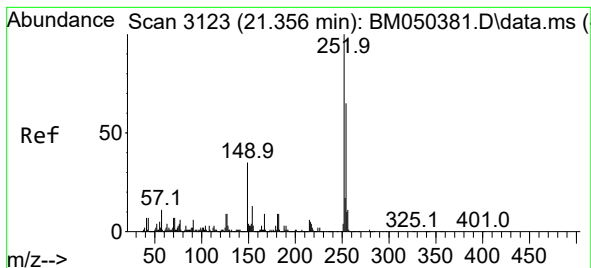
Ion Ratio Lower Upper

228 100

226 35.1 21.8 32.8#

229 65.9 16.0 24.0#

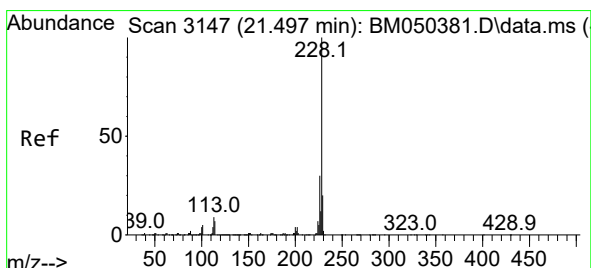
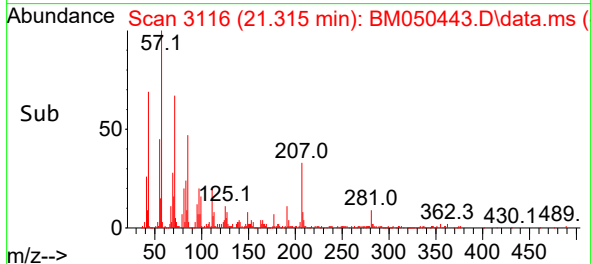
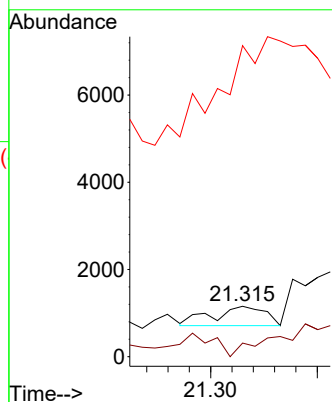
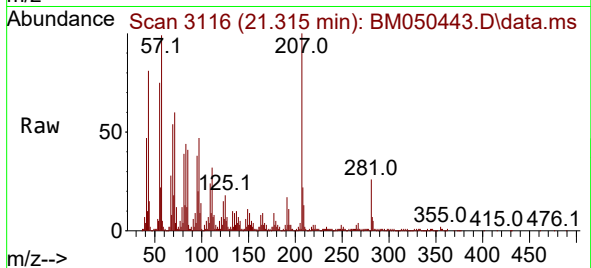




#82
3,3'-Dichlorobenzidine
Concen: 11.430 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.041 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

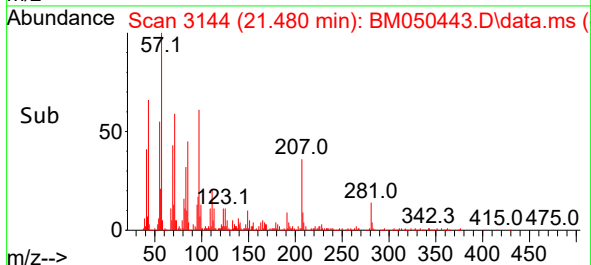
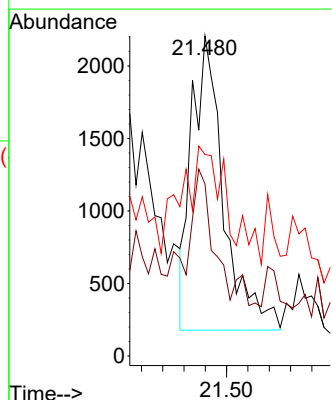
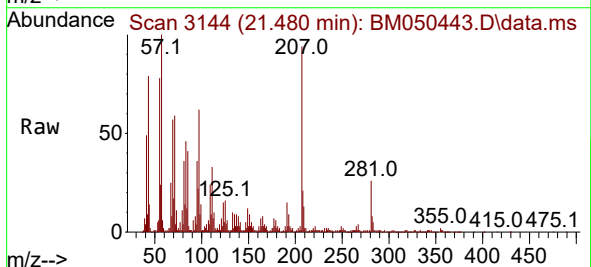
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

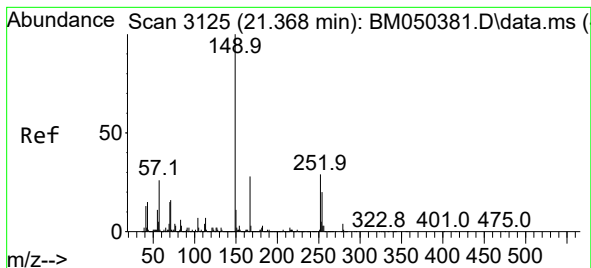
Tgt Ion:252 Resp: 759
Ion Ratio Lower Upper
252 100
254 27.1 51.7 77.5#
126 617.2 7.3 10.9#



#83
Chrysene
Concen: 22.792 ng
RT: 21.480 min Scan# 3144
Delta R.T. -0.018 min
Lab File: BM050443.D
Acq: 15 Jul 2025 02:12

Tgt Ion:228 Resp: 4233
Ion Ratio Lower Upper
228 100
226 53.7 24.2 36.4#
229 62.9 15.8 23.6#

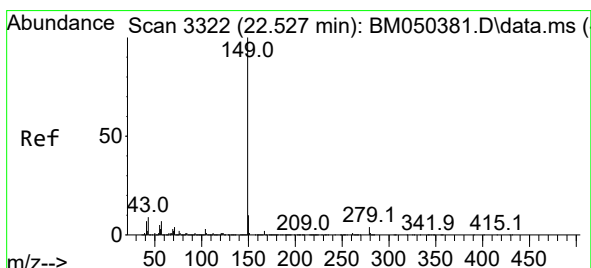
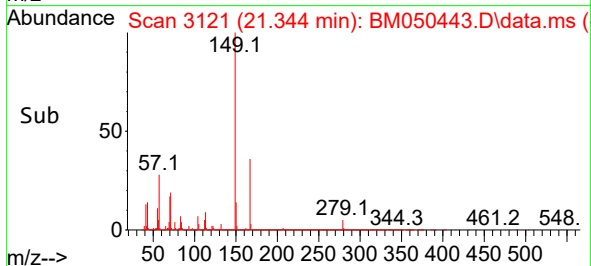
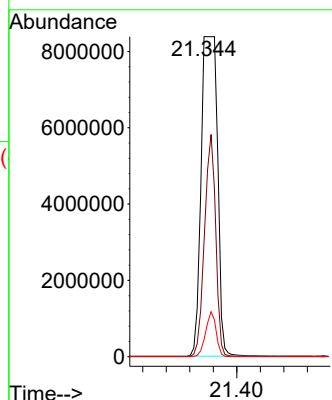
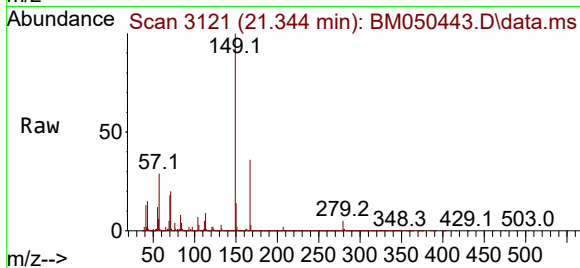




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 160013.449 ng
 RT: 21.344 min Scan# 3125
 Delta R.T. -0.024 min
 Lab File: BM050443.D
 Acq: 15 Jul 2025 02:12

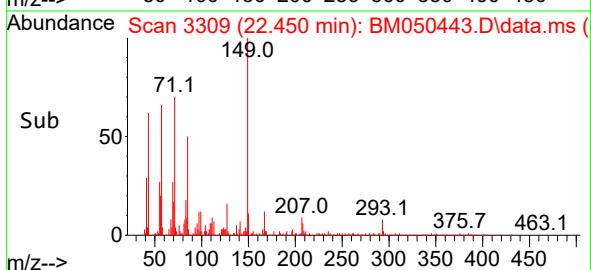
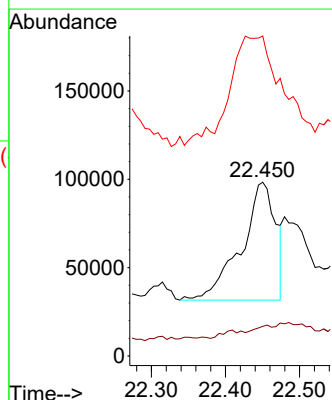
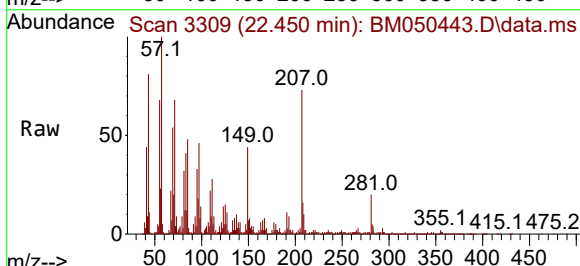
Instrument :
 BNA_M
 ClientSampleId :
 G3(6-12)

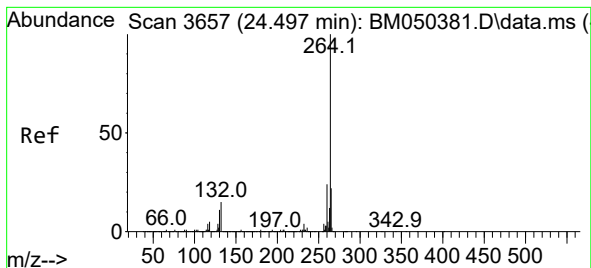
Tgt Ion:149 Resp:16210769
 Ion Ratio Lower Upper
 149 100
 167 35.9 22.7 34.1#
 279 5.4 3.5 5.3#



#85
 Di-n-octyl phthalate
 Concen: 1359.154 ng
 RT: 22.450 min Scan# 3309
 Delta R.T. -0.077 min
 Lab File: BM050443.D
 Acq: 15 Jul 2025 02:12

Tgt Ion:149 Resp: 215659
 Ion Ratio Lower Upper
 149 100
 167 2.6 1.3 1.9#
 43 142.8 7.7 11.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.438 min Scan# 3

Delta R.T. -0.059 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

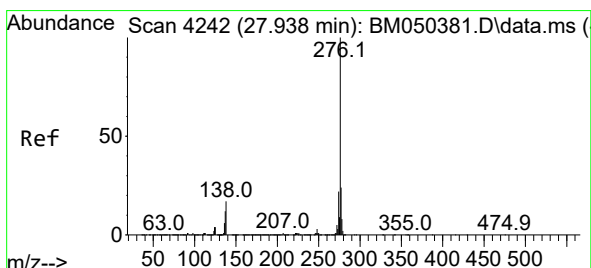
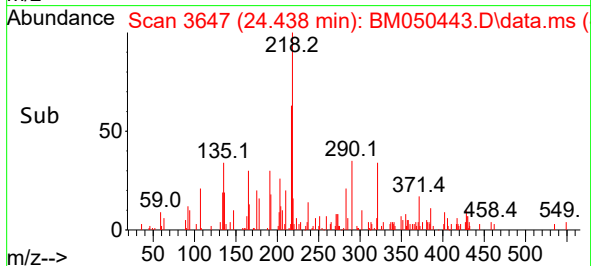
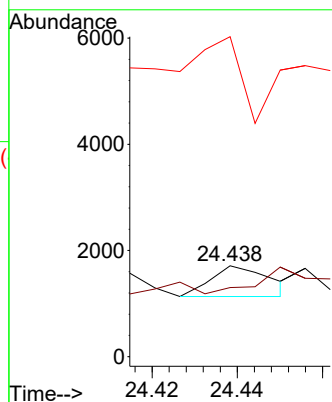
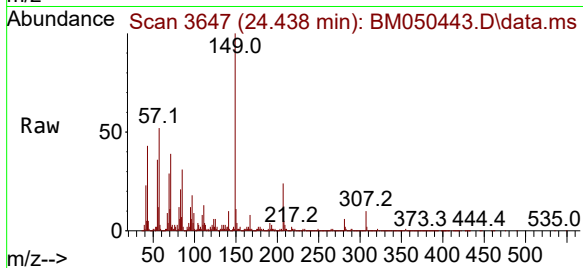
Tgt Ion:264 Resp: 550

Ion Ratio Lower Upper

264 100

260 76.1 19.2 28.8#

265 352.0 17.8 26.6#



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.291 ng

RT: 27.873 min Scan# 4231

Delta R.T. -0.065 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

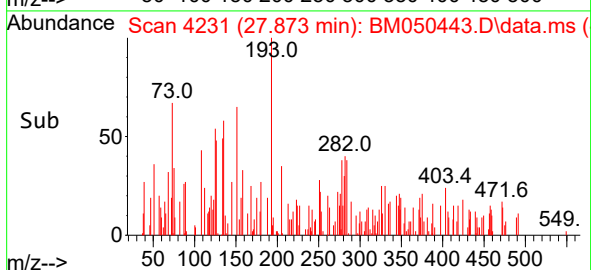
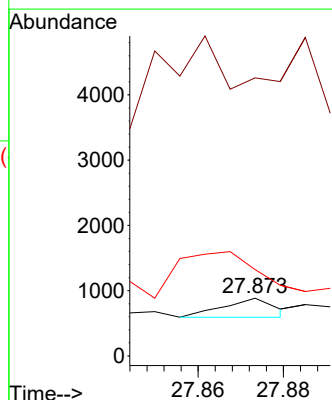
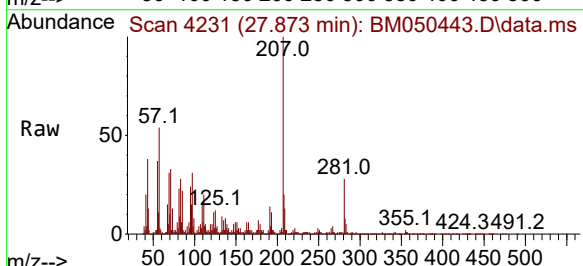
Tgt Ion:276 Resp: 246

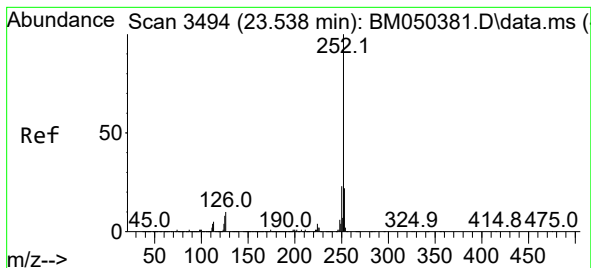
Ion Ratio Lower Upper

276 100

138 800.8 17.0 25.6#

277 461.0 20.0 30.0#





#88

Benzo(b)fluoranthene

Concen: 103.014 ng

RT: 23.503 min Scan# 3488

Delta R.T. -0.035 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

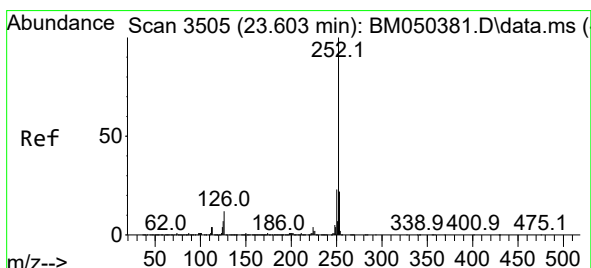
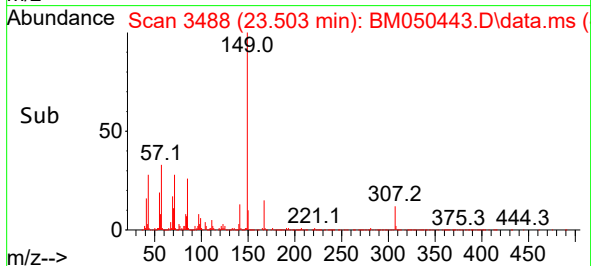
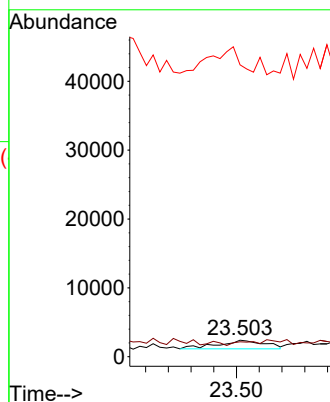
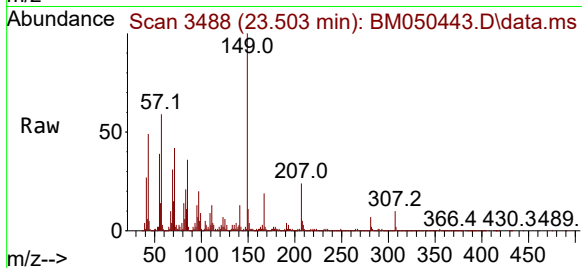
Tgt Ion:252 Resp: 3485

Ion Ratio Lower Upper

252 100

253 90.4 17.8 26.6#

125 1776.3 6.3 9.5#



#89

Benzo(k)fluoranthene

Concen: 33.757 ng

RT: 23.562 min Scan# 3498

Delta R.T. -0.041 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

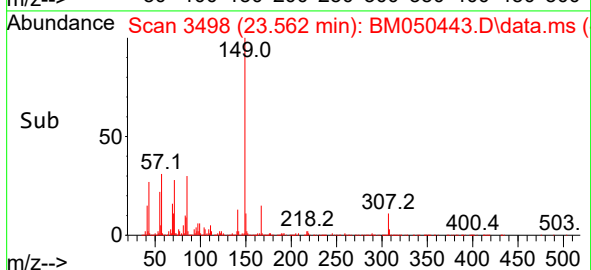
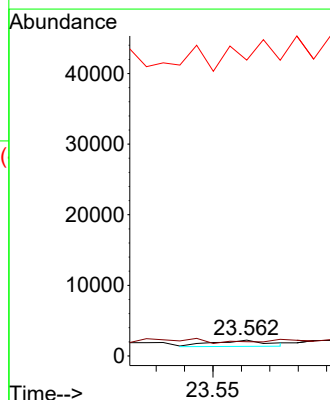
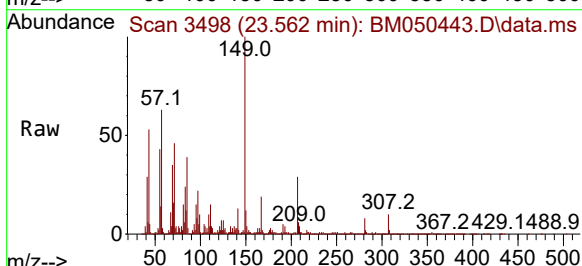
Tgt Ion:252 Resp: 1185

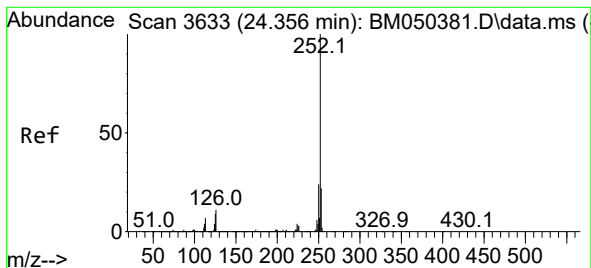
Ion Ratio Lower Upper

252 100

253 89.8 17.6 26.4#

125 1875.4 6.2 9.2#





#90

Benzo(a)pyrene

Concen: 37.766 ng

RT: 24.297 min Scan# 3

Delta R.T. -0.059 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

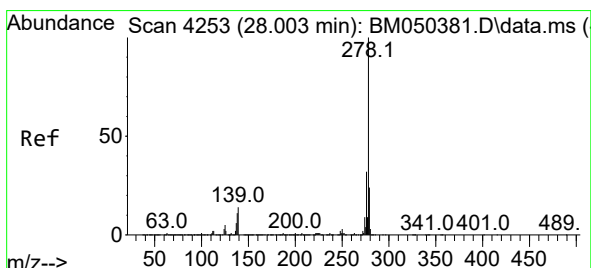
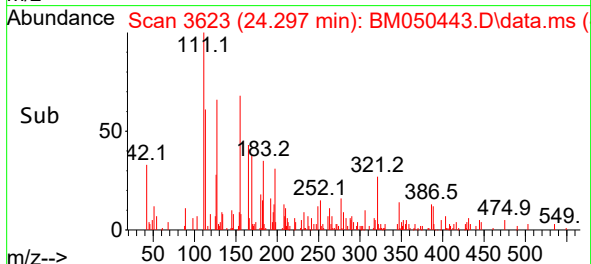
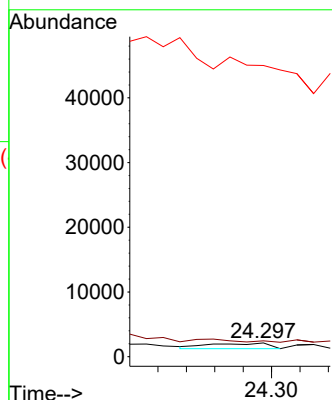
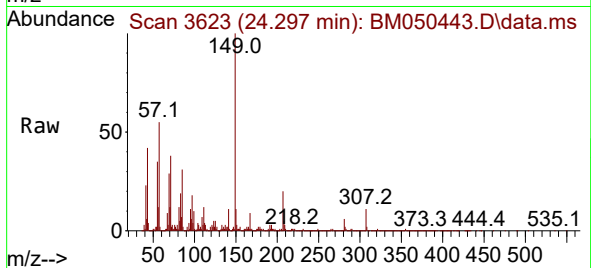
Instrument :

BNA_M

ClientSampleId :

G3(6-12)

Tgt Ion:252 Resp: 1196
 Ion Ratio Lower Upper
 252 100
 253 115.9 17.8 26.6#
 125 2119.0 7.0 10.4#



#91

Dibenzo(a,h)anthracene

Concen: 10.506 ng

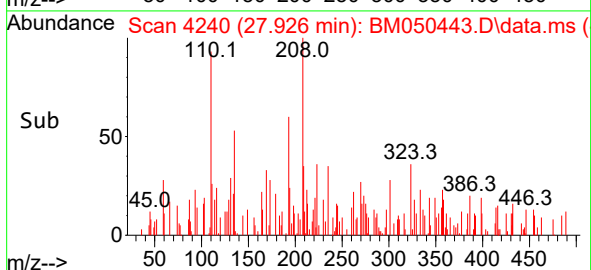
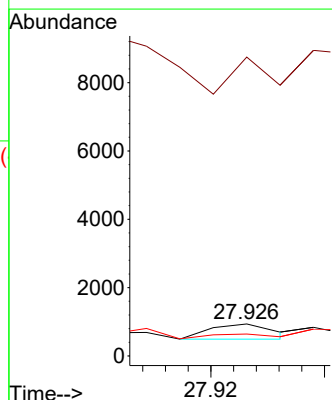
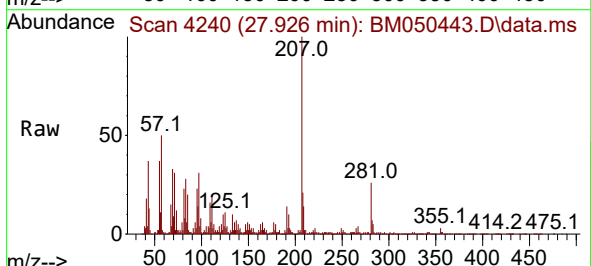
RT: 27.926 min Scan# 4240

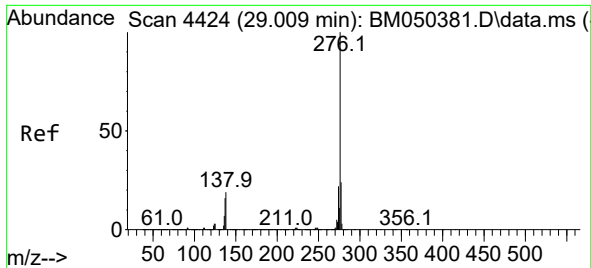
Delta R.T. -0.077 min

Lab File: BM050443.D

Acq: 15 Jul 2025 02:12

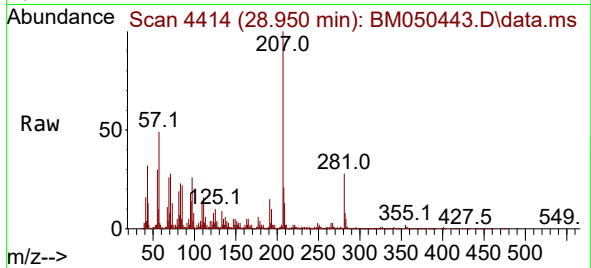
Tgt Ion:278 Resp: 346
 Ion Ratio Lower Upper
 278 100
 139 933.5 10.8 16.2#
 279 68.3 19.4 29.0#





#92
 Benzo(g,h,i)perylene
 Concen: 26.249 ng
 RT: 28.950 min Scan# 44
 Delta R.T. -0.059 min
 Lab File: BM050443.D
 Acq: 15 Jul 2025 02:12

Instrument :
 BNA_M
 ClientSampleId :
 G3(6-12)



Tgt Ion:276 Resp: 817
 Ion Ratio Lower Upper
 276 100
 277 134.1 19.1 28.7#
 138 387.6 14.9 22.3#

