

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
 Data File : BG055864.D
 Acq On : 1 Dec 2022 20:44
 Operator : CG/JU
 Sample : N5819-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S2

Quant Time: Dec 02 04:12:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 04:07:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.207	152	46218	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	182163	20.000	ng	0.00
39) Acenaphthene-d10	14.835	164	128299	20.000	ng	0.00
64) Phenanthrene-d10	17.590	188	254098	20.000	ng	0.01
76) Chrysene-d12	21.897	240	224579	20.000	ng	0.03
86) Perylene-d12	25.299	264	257623	20.000	ng	# 0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.746	112	261132	102.125	ng	0.00
7) Phenol-d6	7.361	99	327062	96.088	ng	0.00
23) Nitrobenzene-d5	9.382	82	212398	61.628	ng	0.00
42) 2,4,6-Tribromophenol	16.327	330	153027	84.704	ng	0.00
45) 2-Fluorobiphenyl	13.460	172	493111	57.580	ng	0.00
79) Terphenyl-d14	20.176	244	718525	63.993	ng	0.01
Target Compounds						
						Qvalue
3) Pyridine	3.977	79	66920	19.963	ng	98
10) Phenol	7.391	94	125544	32.941	ng	97
11) bis(2-Chloroethyl)ether	7.637	93	22758	7.792	ng	# 20
15) Benzyl Alcohol	8.425	79	24176	8.740	ng	# 59
17) 2-Methylphenol	8.654	107	55129	20.374	ng	98
18) Hexachloroethane	9.312	117	13673	11.439	ng	# 1
20) 3+4-Methylphenols	8.983	107	66600	17.620	ng	92
24) Nitrobenzene	9.465	77	7386	2.052	ng	# 21
27) 2,4-Dimethylphenol	10.199	122	16779	6.634	ng	94
31) Naphthalene	11.110	128	4223861	428.928	ng	# 90
33) 4-Chloroaniline	11.110	127	693491	170.718	ng	# 34
37) 2-Methylnaphthalene	12.696	142	2029613	275.268	ng	# 95
38) 1-Methylnaphthalene	12.914	142	1872296	261.574	ng	# 100
46) 1,1'-Biphenyl	13.672	154	506781	54.205	ng	99
47) 2-Chloronaphthalene	13.824	162	135588	18.658	ng	# 48
48) 2-Nitroaniline	13.871	65	7683	3.216	ng	# 32
49) Acenaphthylene	14.570	152	1341218	112.080	ng	# 93
51) 2,6-Dinitrotoluene	14.230	165	10660	5.098	ng	# 1
52) Acenaphthene	14.900	154	320793	41.017	ng	98
55) Dibenzofuran	15.234	168	675252	55.967	ng	# 92
56) 4-Nitrophenol	15.041	139	17618	9.778	ng	# 40
57) 2,4-Dinitrotoluene	15.176	165	11775	3.994	ng	# 69
58) Fluorene	15.892	166	1658677	172.126	ng	# 98
62) 4-Nitroaniline	15.892	138	22333	9.307	ng	# 23
63) Azobenzene	16.174	77	22599	2.503	ng	# 1
66) n-Nitrosodiphenylamine	16.086	169	55865	7.978	ng	# 56
67) 4-Bromophenyl-phenylether	16.321	248	9988	3.450	ng	# 1
71) Phenanthrene	17.661	178	6801301	496.003	ng	# 80
72) Anthracene	17.737	178	2673924	200.699	ng	# 90
73) Carbazole	17.990	167	1026937	85.740	ng	96
75) Fluoranthene	19.659	202	5591728	335.197	ng	81
78) Pyrene	19.788	202	899180	59.151	ng	95
81) Benzo(a)anthracene	21.880	228	3408351	220.347	ng	# 86
83) Chrysene	21.956	228	3131893	212.685	ng	# 87
87) Indeno(1,2,3-cd)pyrene	29.242	276	1304326	61.801	ng	95
88) Benzo(b)fluoranthene	24.236	252	3322818	198.049	ng	95

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 02 04:07:17 2022
Response via : Initial Calibration

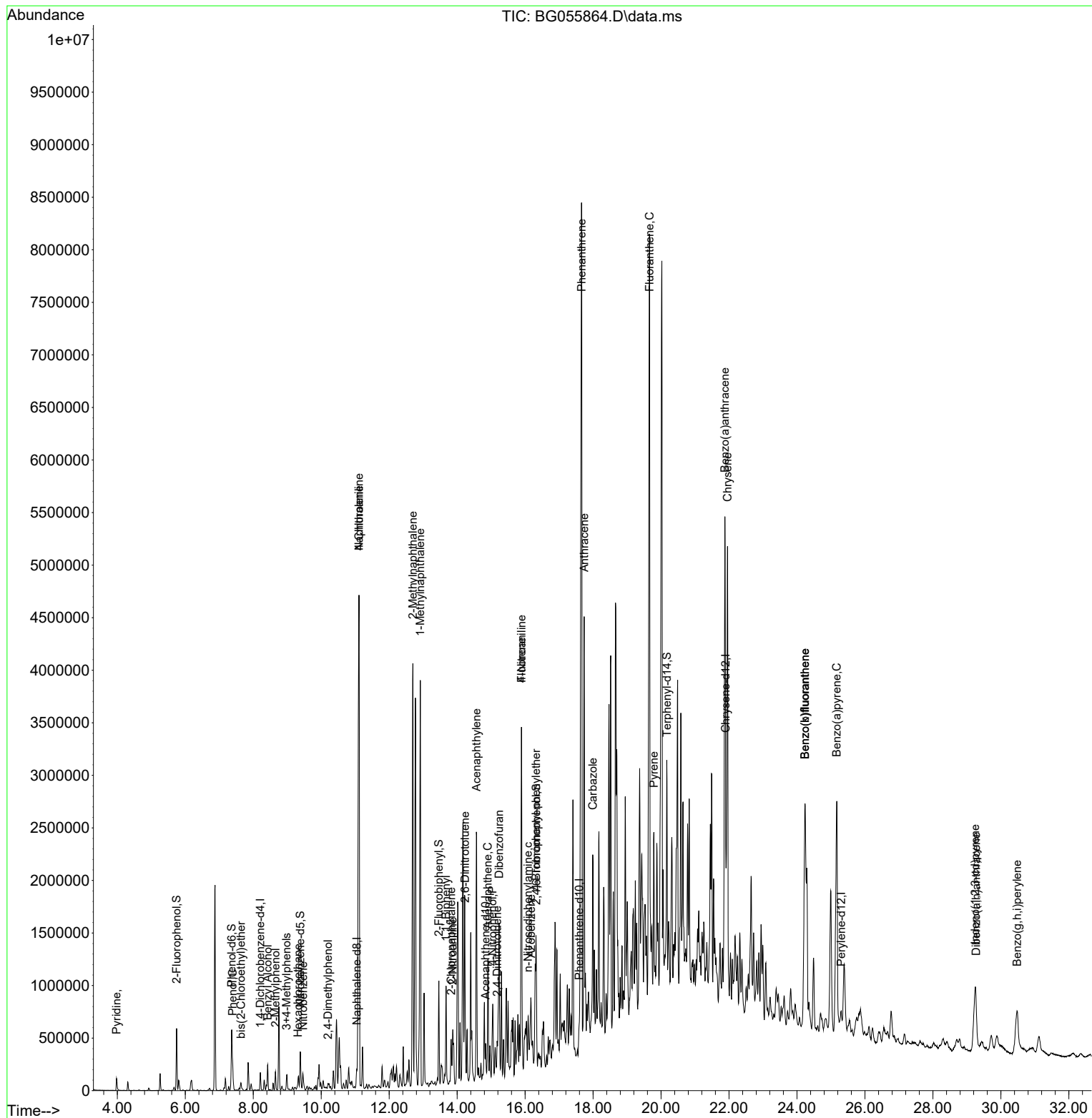
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	24.236	252	3322818	198.683	ng	95
90) Benzo(a)pyrene	25.170	252	3111406	216.107	ng	93
91) Dibenzo(a,h)anthracene	29.271	278	356311	20.660	ng #	89
92) Benzo(g,h,i)perylene	30.475	276	1109653	63.837	ng	99

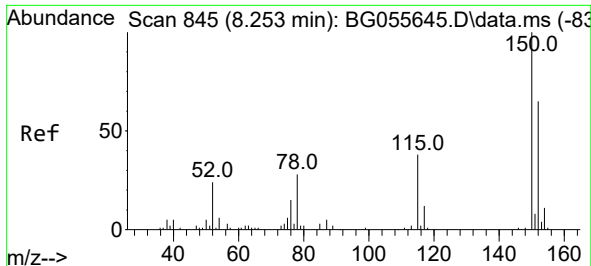
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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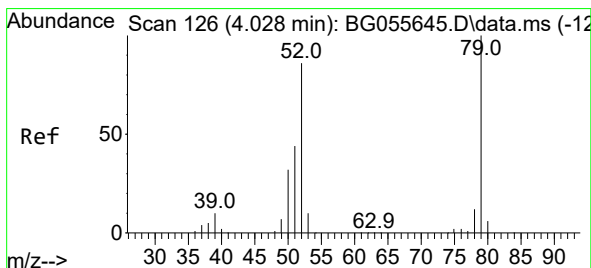
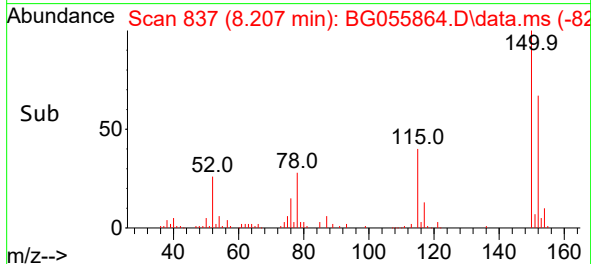
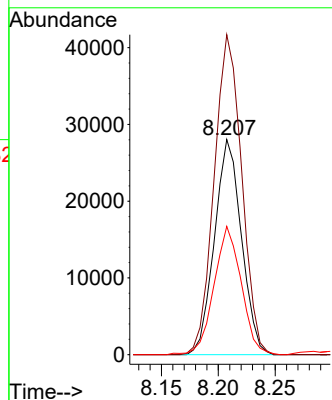
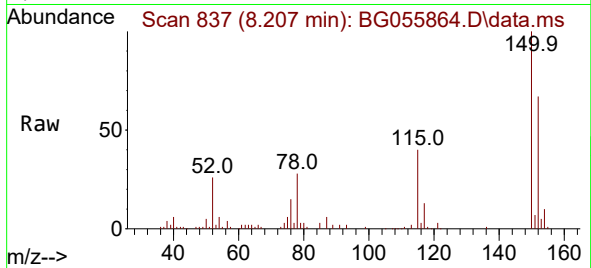




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.207 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

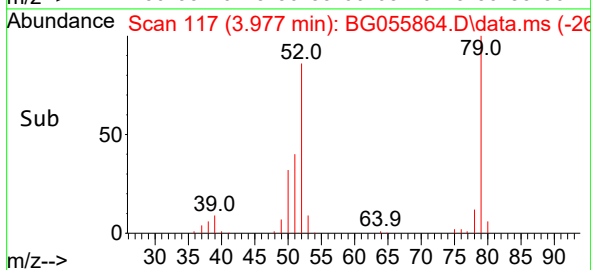
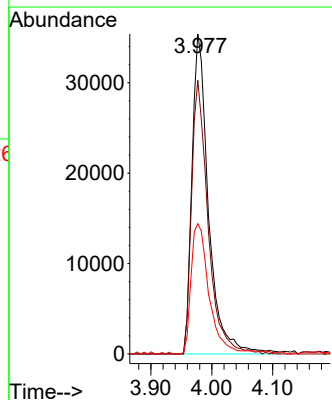
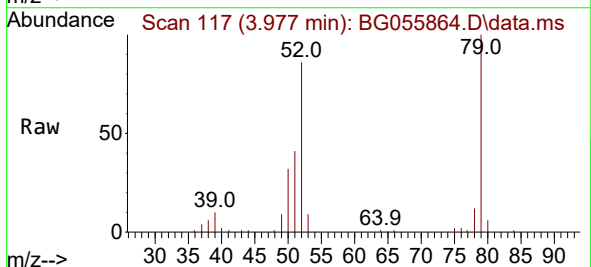
Instrument :
BNA_G
ClientSampleId :
S2

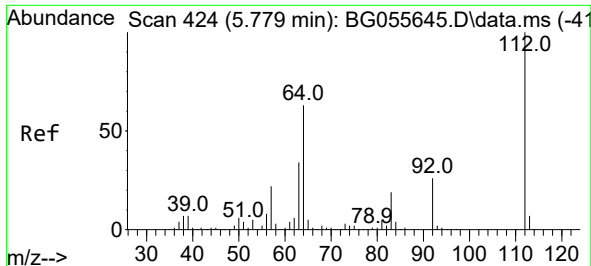
Tgt Ion:152 Resp: 46218
Ion Ratio Lower Upper
152 100
150 148.7 123.0 184.6
115 59.6 47.0 70.4



#3
Pyridine
Concen: 19.963 ng
RT: 3.977 min Scan# 117
Delta R.T. 0.002 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion: 79 Resp: 66920
Ion Ratio Lower Upper
79 100
52 85.5 68.9 103.3
51 40.7 34.8 52.2

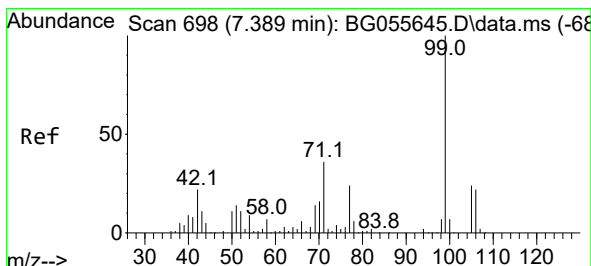
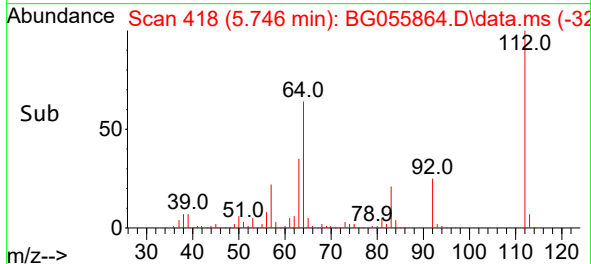
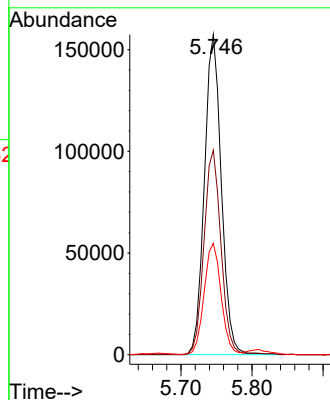
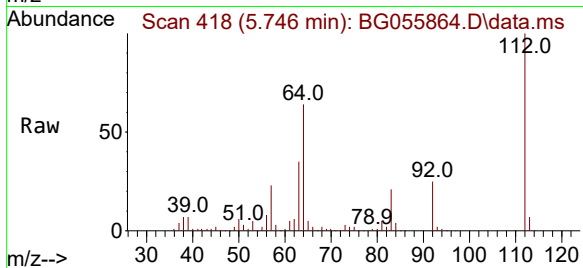




#5
2-Fluorophenol
Concen: 102.125 ng
RT: 5.746 min Scan# 41
Delta R.T. 0.008 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

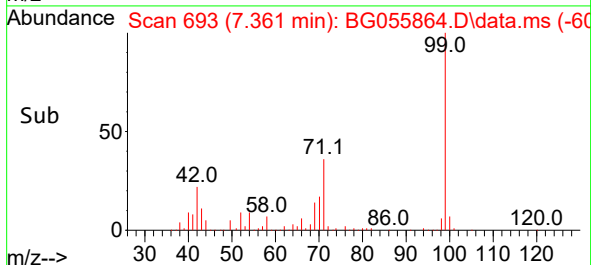
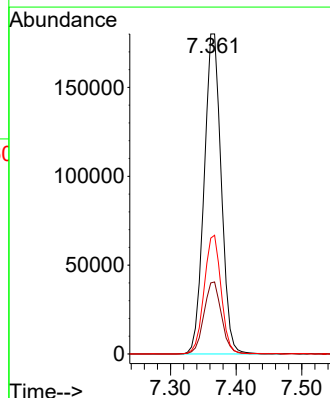
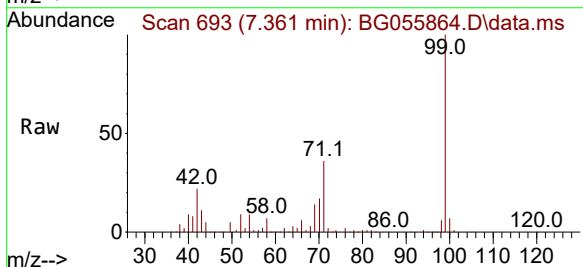
Instrument :
BNA_G
ClientSampleId :
S2

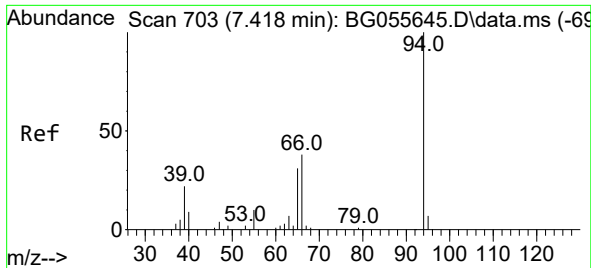
Tgt Ion:112 Resp: 261132
Ion Ratio Lower Upper
112 100
64 63.9 50.6 76.0
63 34.8 27.5 41.3



#7
Phenol-d6
Concen: 96.088 ng
RT: 7.361 min Scan# 693
Delta R.T. 0.002 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion: 99 Resp: 327062
Ion Ratio Lower Upper
99 100
42 22.2 18.0 27.0
71 36.2 29.0 43.6

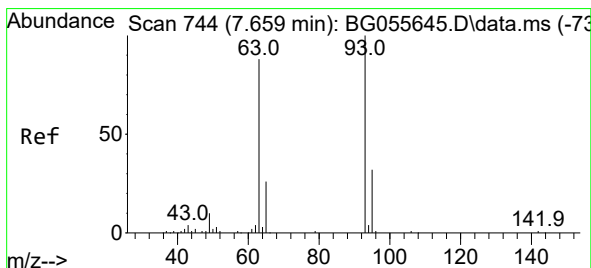
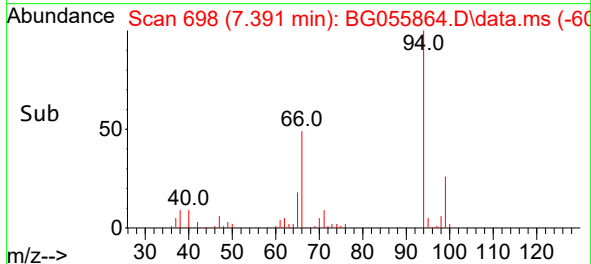
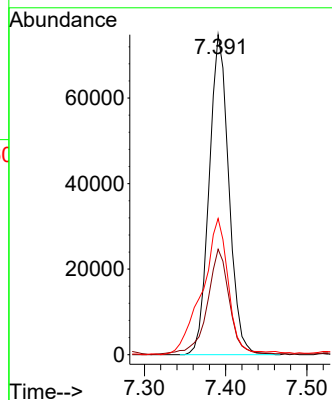
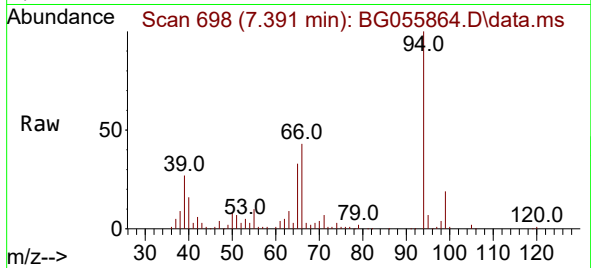




#10
Phenol
Concen: 32.941 ng
RT: 7.391 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

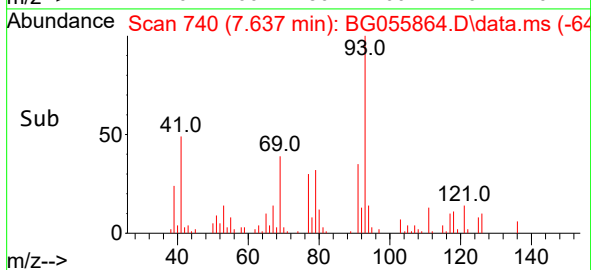
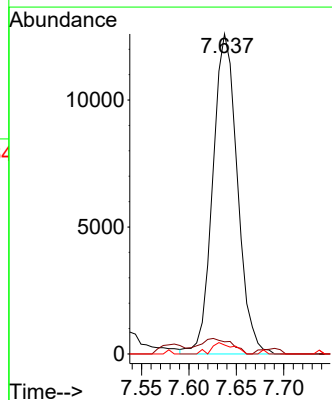
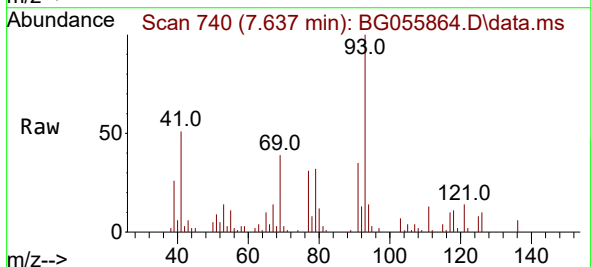
Instrument :
BNA_G
ClientSampleId :
S2

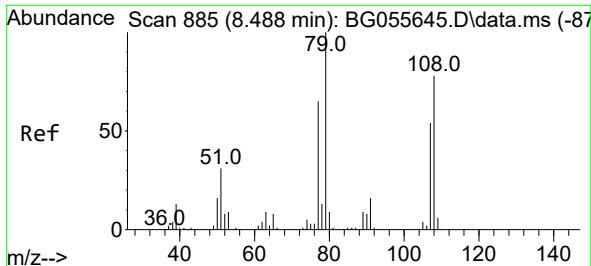
Tgt Ion: 94 Resp: 125544
Ion Ratio Lower Upper
94 100
65 32.9 11.8 51.8
66 42.6 20.5 60.5



#11
bis(2-Chloroethyl)ether
Concen: 7.792 ng
RT: 7.637 min Scan# 740
Delta R.T. 0.025 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion: 93 Resp: 22758
Ion Ratio Lower Upper
93 100
63 3.8 67.6 107.6#
95 2.8 11.8 51.8#

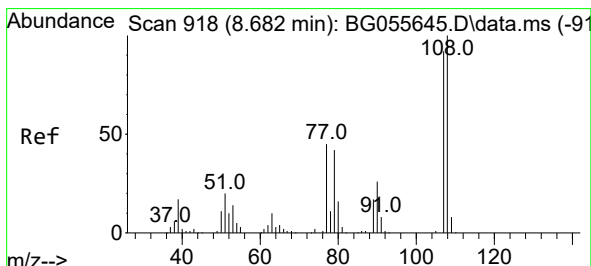
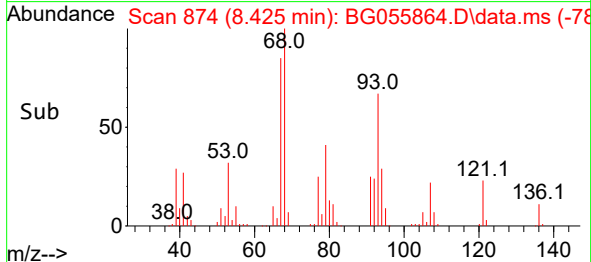
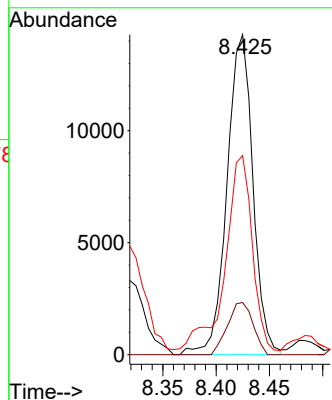
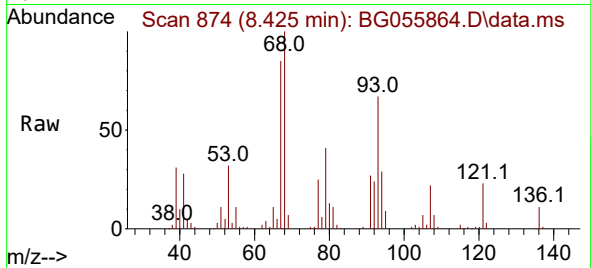




#15
Benzyl Alcohol
Concen: 8.740 ng
RT: 8.425 min Scan# 81
Delta R.T. -0.022 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

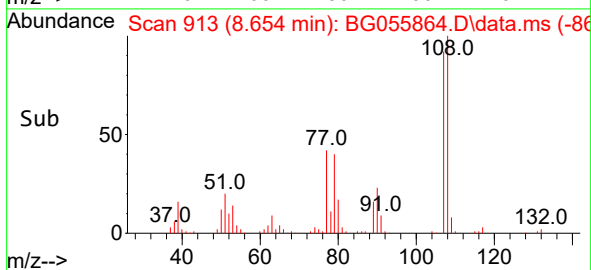
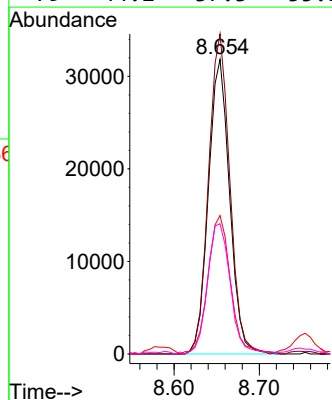
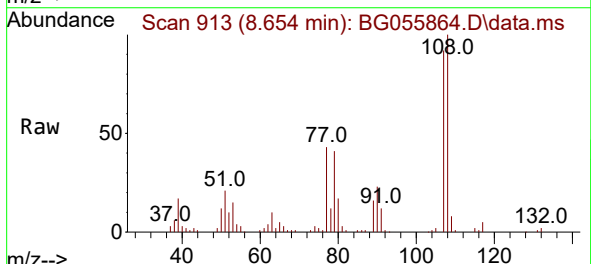
Instrument :
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ClientSampleId :
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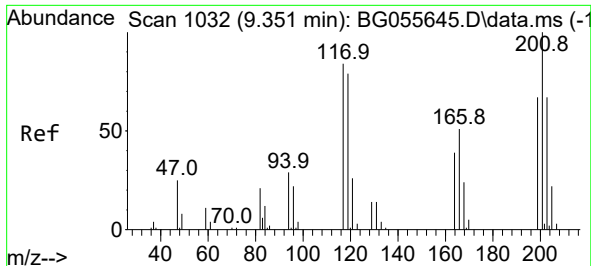
Tgt Ion: 79 Resp: 24176
Ion Ratio Lower Upper
79 100
108 16.3 62.6 93.8#
77 62.2 52.4 78.6



#17
2-Methylphenol
Concen: 20.374 ng
RT: 8.654 min Scan# 913
Delta R.T. 0.002 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion:107 Resp: 55129
Ion Ratio Lower Upper
107 100
108 108.6 87.3 130.9
77 47.0 39.4 59.0
79 44.2 37.3 55.9

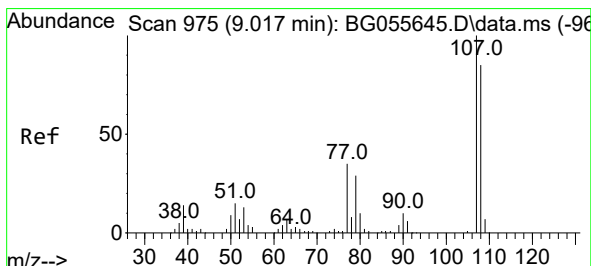
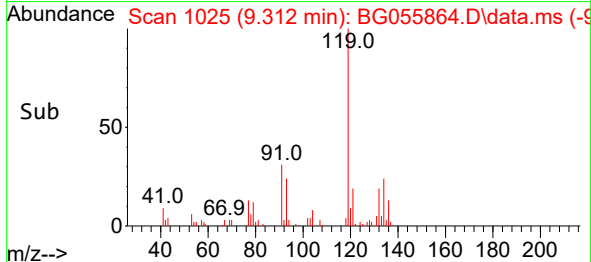
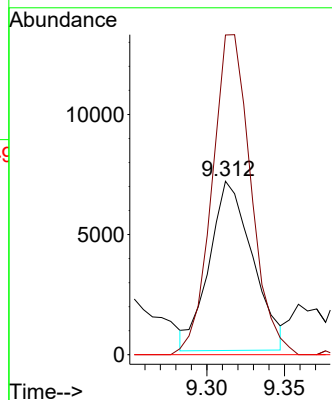
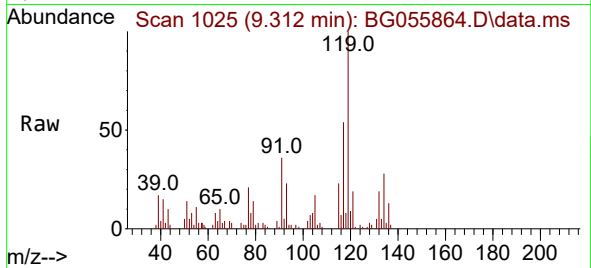




#18
Hexachloroethane
Concen: 11.439 ng
RT: 9.312 min Scan# 1032
Delta R.T. 0.014 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

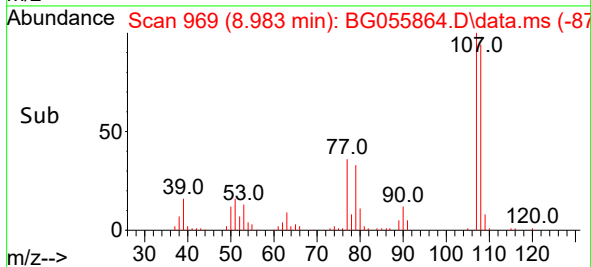
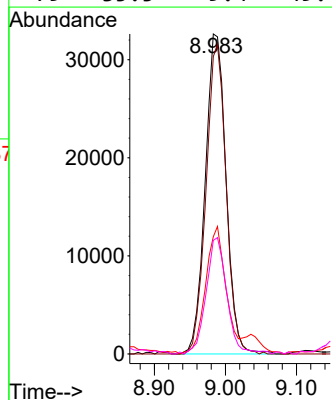
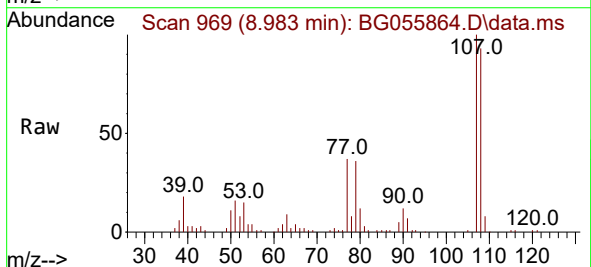
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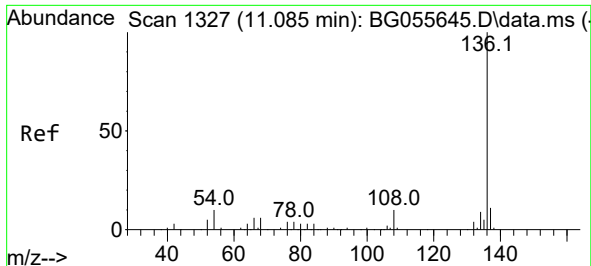
Tgt Ion:117 Resp: 13673
Ion Ratio Lower Upper
117 100
119 184.4 76.0 114.0#
201 0.0 98.6 148.0#



#20
3+4-Methylphenols
Concen: 17.620 ng
RT: 8.983 min Scan# 969
Delta R.T. 0.002 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion:107 Resp: 66600
Ion Ratio Lower Upper
107 100
108 92.9 65.5 105.5
77 36.6 14.6 54.6
79 35.5 9.4 49.4

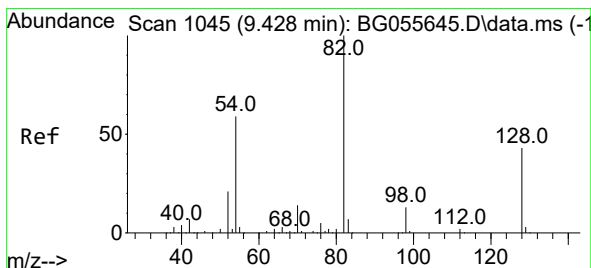
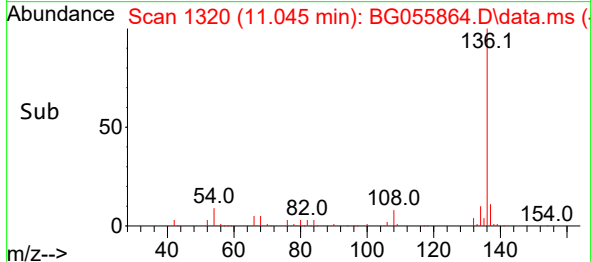
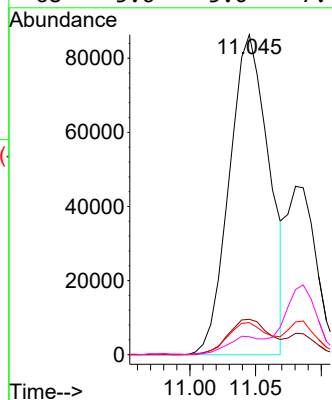
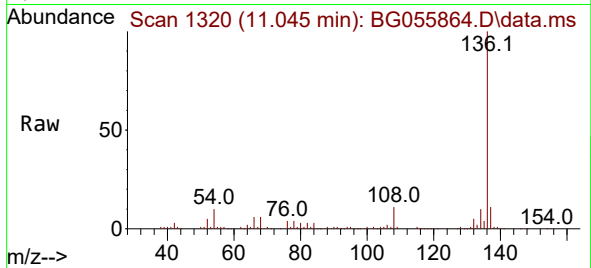




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 11
Delta R.T. 0.008 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

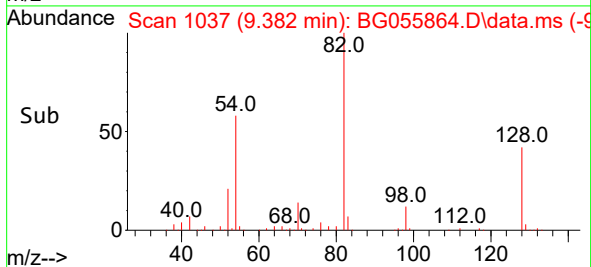
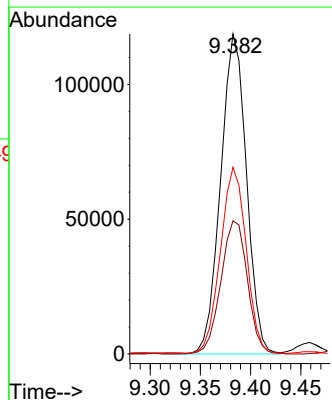
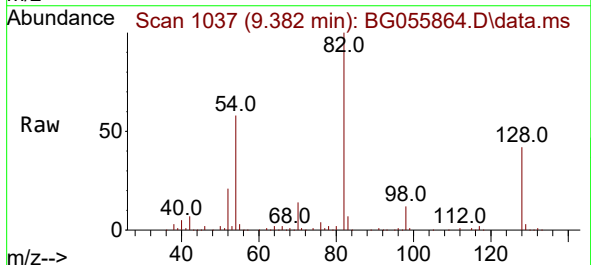
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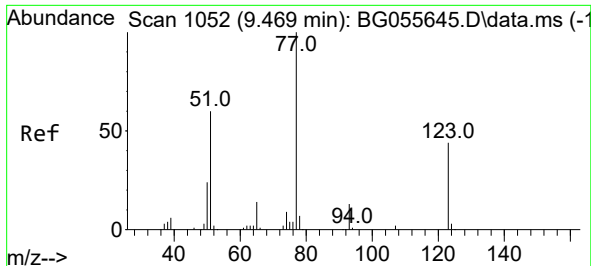
Tgt Ion:136 Resp: 182163
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 10.0 7.8 11.6
68 5.6 5.0 7.4



#23
Nitrobenzene-d5
Concen: 61.628 ng
RT: 9.382 min Scan# 1037
Delta R.T. -0.004 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion: 82 Resp: 212398
Ion Ratio Lower Upper
82 100
128 41.6 34.1 51.1
54 58.3 47.3 70.9

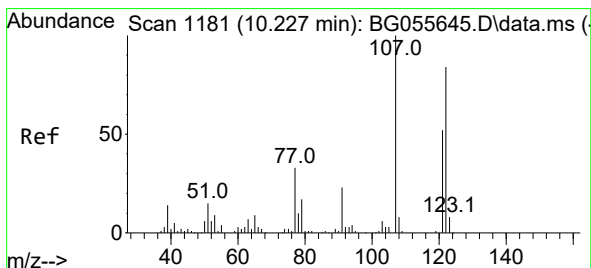
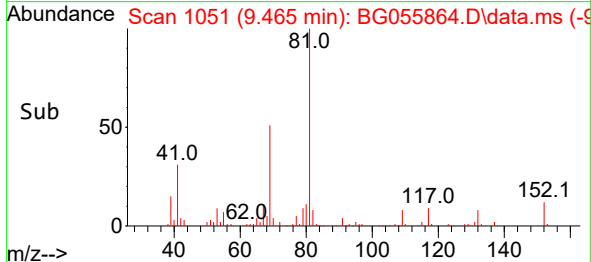
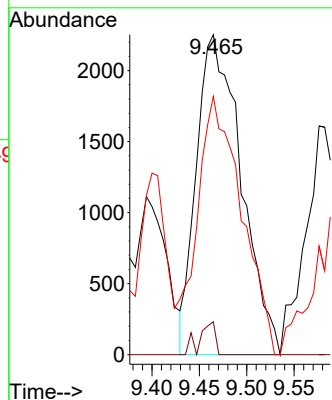
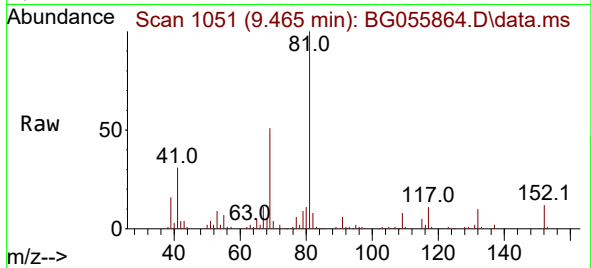




#24
Nitrobenzene
Concen: 2.052 ng
RT: 9.465 min Scan# 1051
Delta R.T. 0.037 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

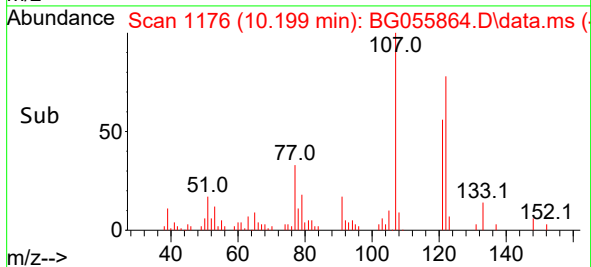
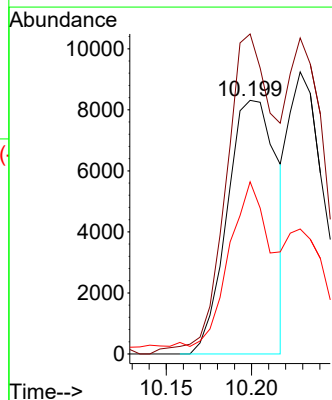
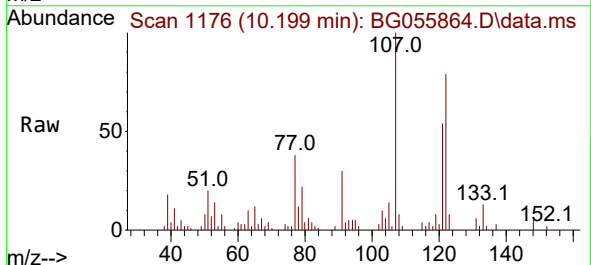
Instrument :
BNA_G
ClientSampleId :
S2

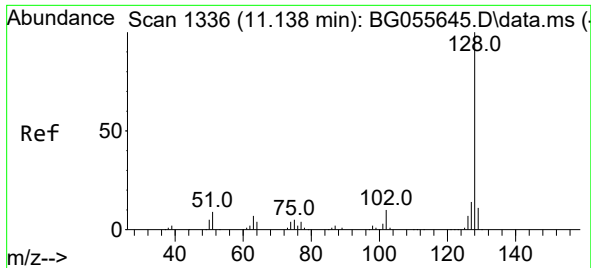
Tgt Ion: 77 Resp: 7386
Ion Ratio Lower Upper
77 100
123 10.3 35.5 53.3#
65 80.7 11.5 17.3#



#27
2,4-Dimethylphenol
Concen: 6.634 ng
RT: 10.199 min Scan# 1176
Delta R.T. 0.008 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion: 122 Resp: 16779
Ion Ratio Lower Upper
122 100
107 126.2 95.8 143.6
121 67.9 49.6 74.4

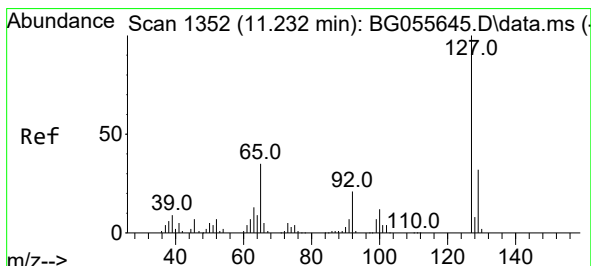
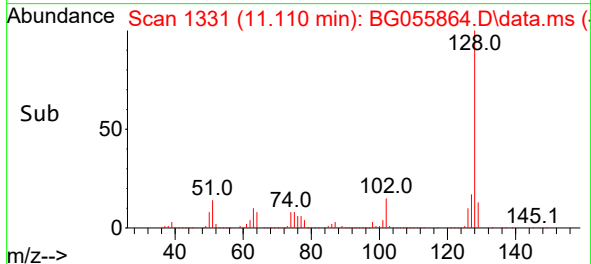
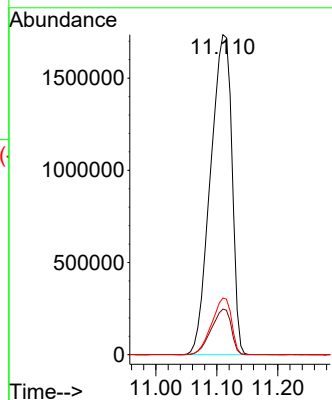
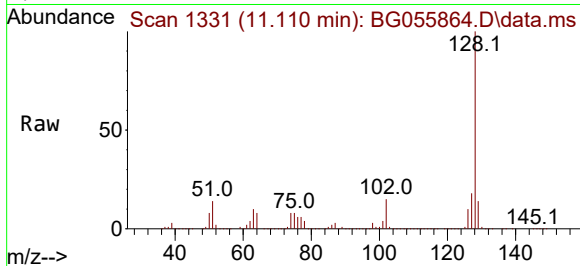




#31
Naphthalene
Concen: 428.928 ng
RT: 11.110 min Scan# 1331
Delta R.T. 0.020 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

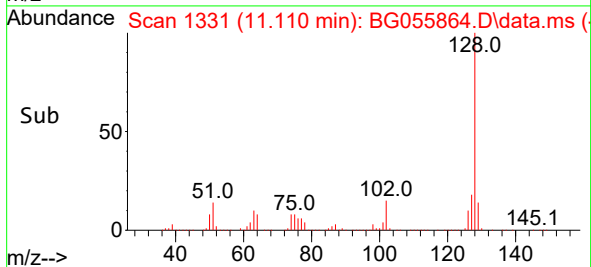
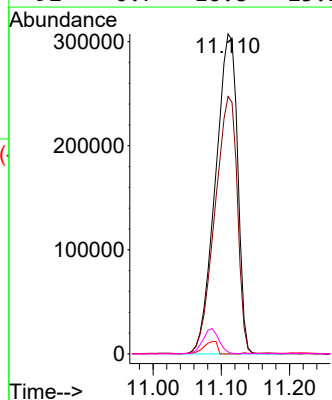
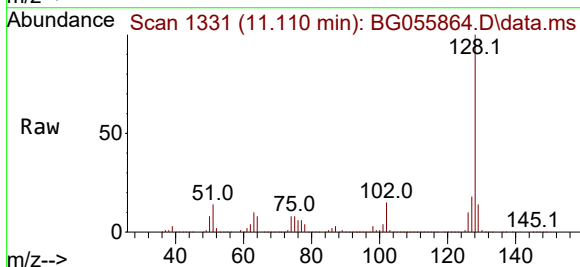
Instrument :
BNA_G
ClientSampleId :
S2

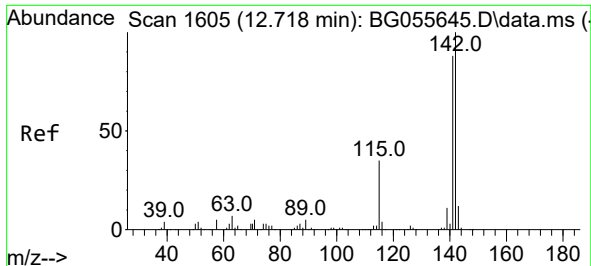
Tgt Ion:128 Resp: 4223861
Ion Ratio Lower Upper
128 100
129 14.2 8.7 13.1#
127 17.7 10.9 16.3#



#33
4-Chloroaniline
Concen: 170.718 ng
RT: 11.110 min Scan# 1331
Delta R.T. -0.080 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion:127 Resp: 693491
Ion Ratio Lower Upper
127 100
129 80.5 25.9 38.9#
65 0.0 27.9 41.9#
92 0.7 16.8 25.2#





#37

2-Methylnaphthalene

Concen: 275.268 ng

RT: 12.696 min Scan# 1601

Delta R.T. 0.014 min

Lab File: BG055864.D

Acq: 1 Dec 2022 20:44

Instrument :

BNA_G

ClientSampleId :

S2

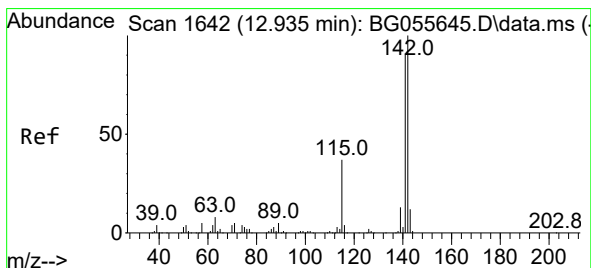
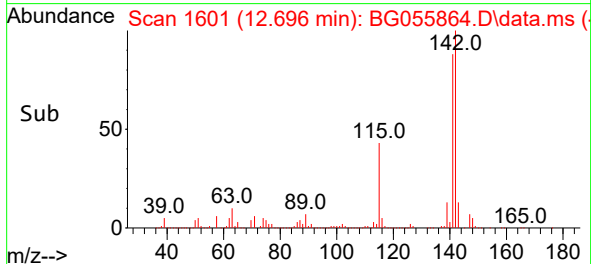
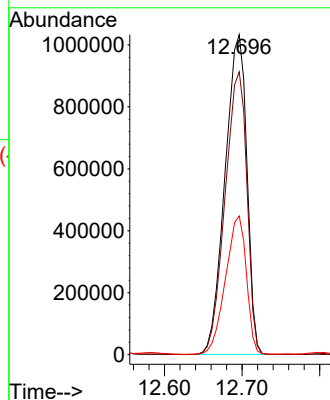
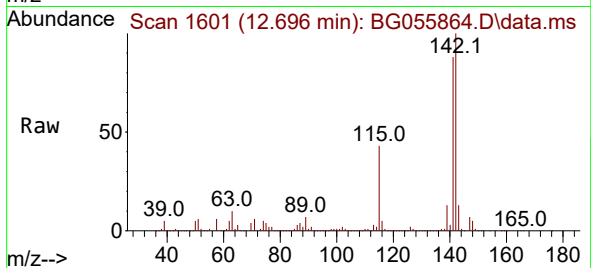
Tgt Ion:142 Resp: 2029613

Ion Ratio Lower Upper

142 100

141 88.4 70.3 105.5

115 43.3 27.9 41.9#



#38

1-Methylnaphthalene

Concen: 261.574 ng

RT: 12.914 min Scan# 1638

Delta R.T. 0.020 min

Lab File: BG055864.D

Acq: 1 Dec 2022 20:44

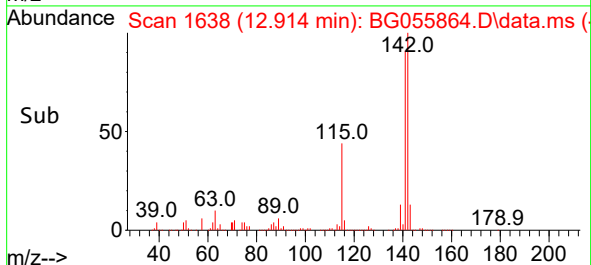
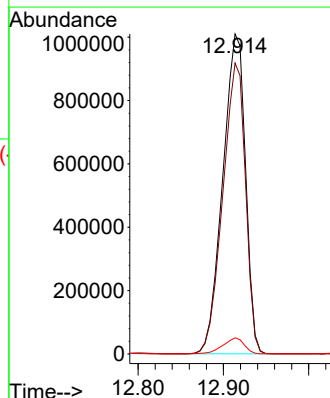
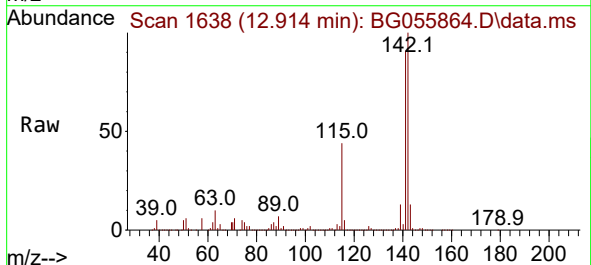
Tgt Ion:142 Resp: 1872296

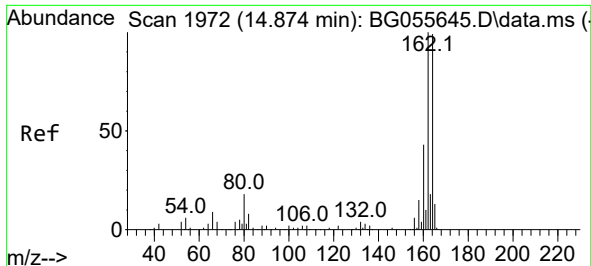
Ion Ratio Lower Upper

142 100

141 90.9 73.0 109.4

116 5.1 3.1 4.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.835 min Scan# 1965

Delta R.T. -0.004 min

Lab File: BG055864.D

Acq: 1 Dec 2022 20:44

Instrument :

BNA_G

ClientSampleId :

S2

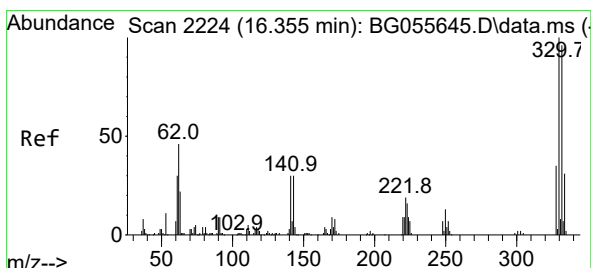
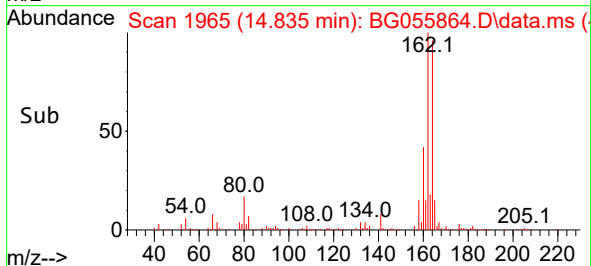
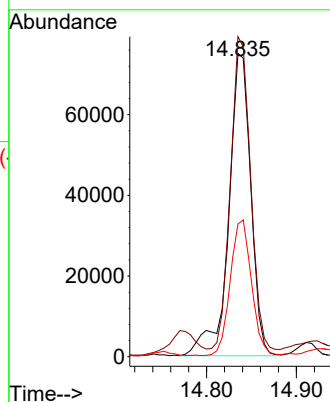
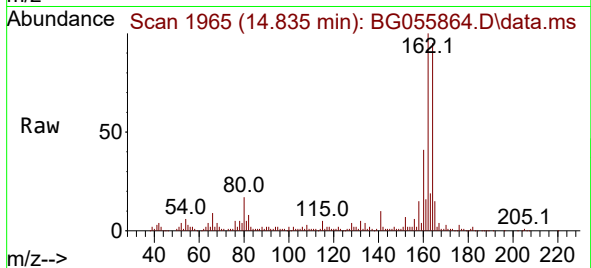
Tgt Ion:164 Resp: 128299

Ion Ratio Lower Upper

164 100

162 105.5 81.1 121.7

160 43.7 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 84.704 ng

RT: 16.327 min Scan# 2219

Delta R.T. 0.002 min

Lab File: BG055864.D

Acq: 1 Dec 2022 20:44

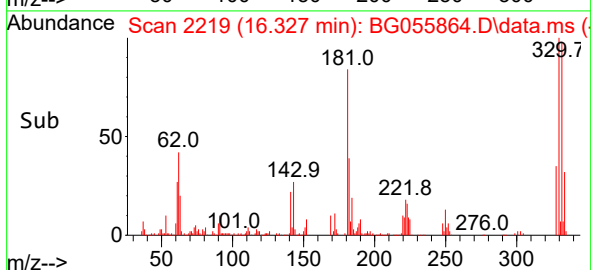
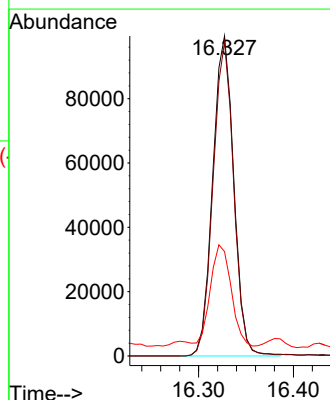
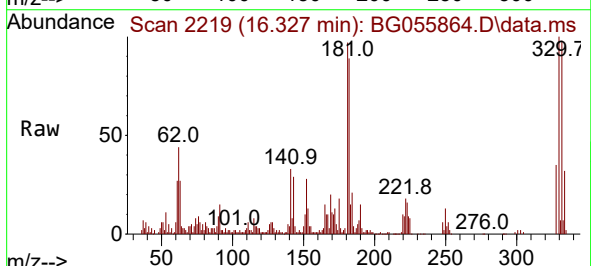
Tgt Ion:330 Resp: 153027

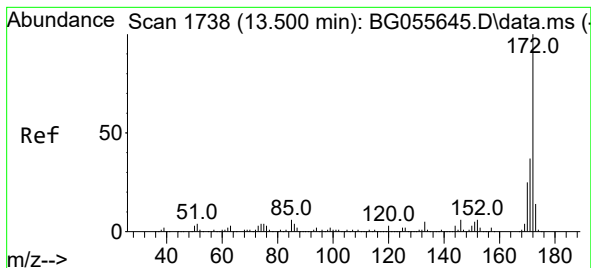
Ion Ratio Lower Upper

330 100

332 96.9 77.8 116.8

141 31.4 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 57.580 ng

RT: 13.460 min Scan# 1

Delta R.T. 0.002 min

Lab File: BG055864.D

Acq: 1 Dec 2022 20:44

Instrument :

BNA_G

ClientSampleId :

S2

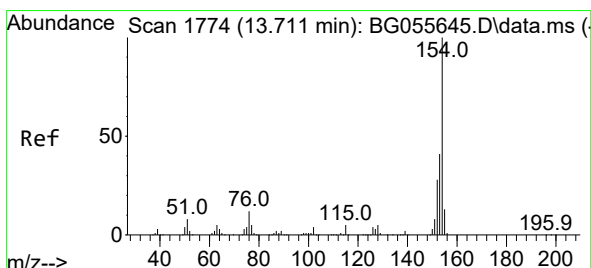
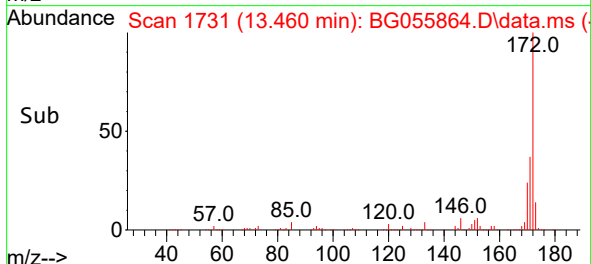
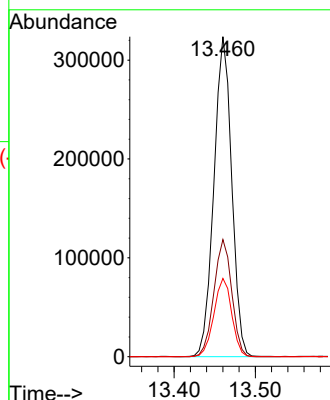
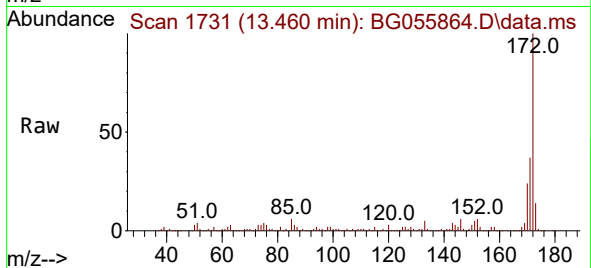
Tgt Ion:172 Resp: 493111

Ion Ratio Lower Upper

172 100

171 36.6 29.8 44.6

170 24.4 20.2 30.4



#46

1,1'-Biphenyl

Concen: 54.205 ng

RT: 13.672 min Scan# 1767

Delta R.T. 0.002 min

Lab File: BG055864.D

Acq: 1 Dec 2022 20:44

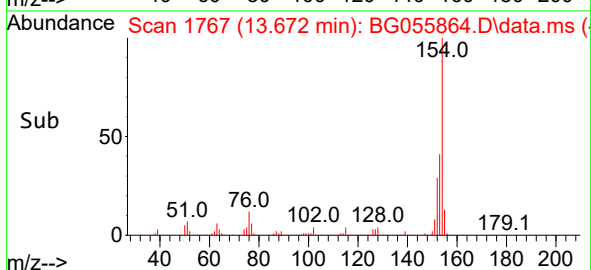
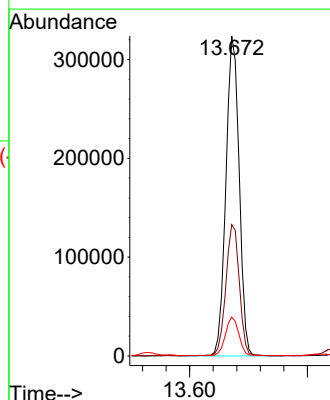
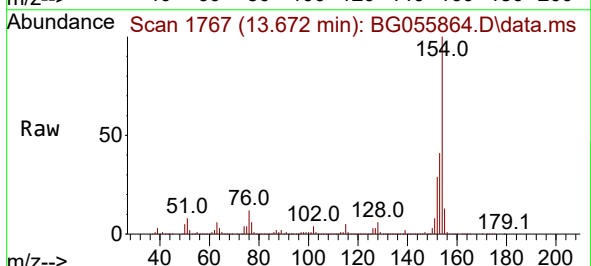
Tgt Ion:154 Resp: 506781

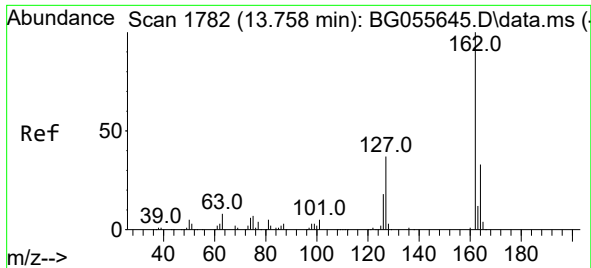
Ion Ratio Lower Upper

154 100

153 41.0 20.6 60.6

76 12.2 0.0 32.4

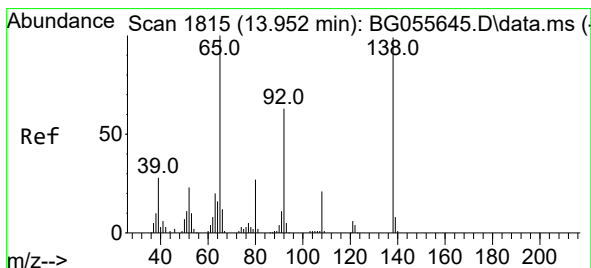
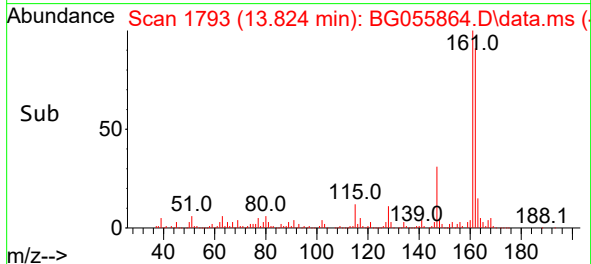
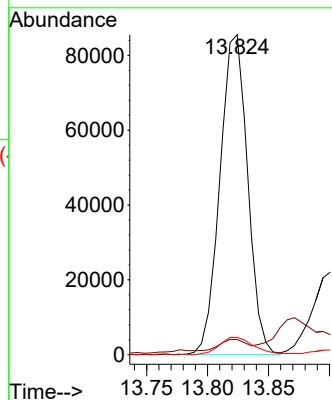
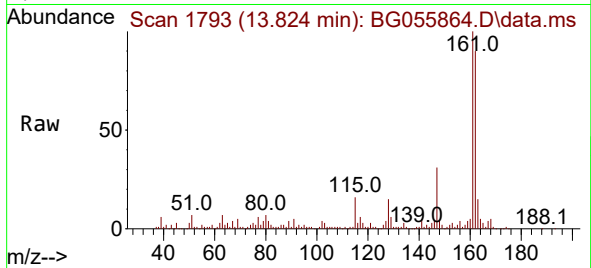




#47
2-Chloronaphthalene
Concen: 18.658 ng
RT: 13.824 min Scan# 1
Delta R.T. 0.102 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

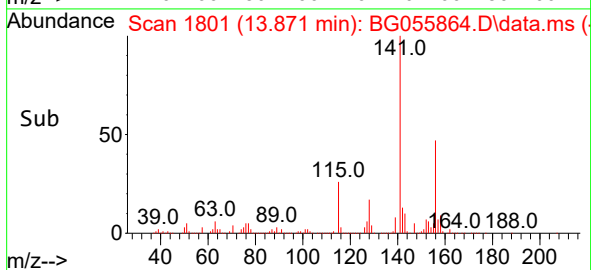
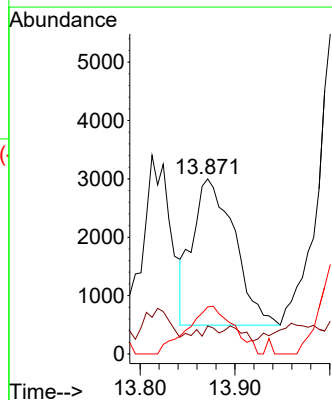
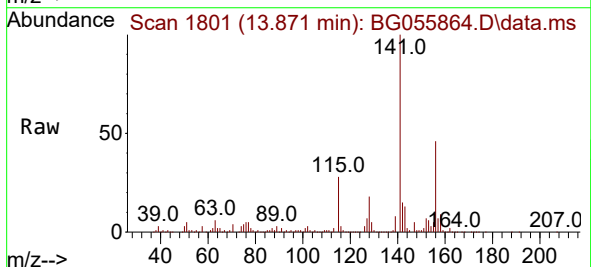
Instrument :
BNA_G
ClientSampleId :
S2

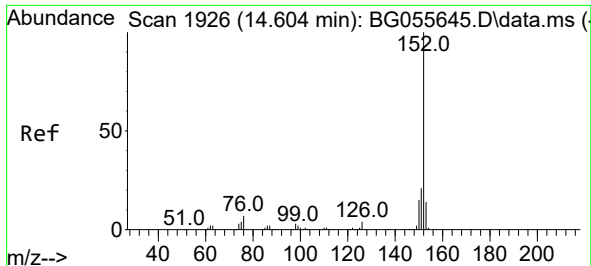
Tgt Ion:162 Resp: 135588
Ion Ratio Lower Upper
162 100
127 4.7 29.9 44.9#
164 5.4 26.4 39.6#



#48
2-Nitroaniline
Concen: 3.216 ng
RT: 13.871 min Scan# 1801
Delta R.T. -0.051 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion: 65 Resp: 7683
Ion Ratio Lower Upper
65 100
92 16.0 50.1 75.1#
138 26.9 79.4 119.0#

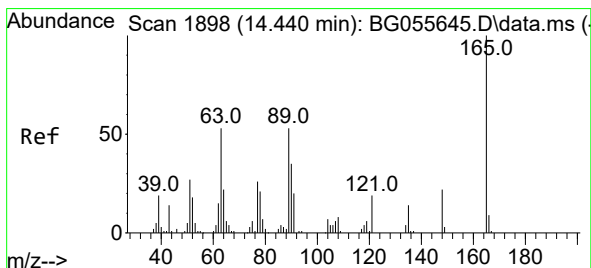
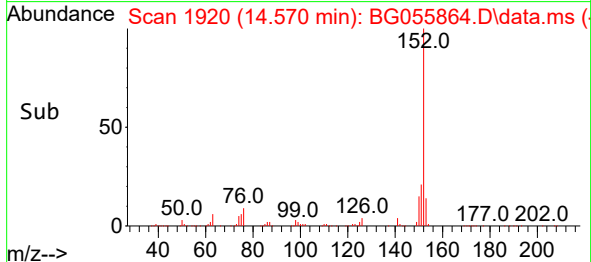
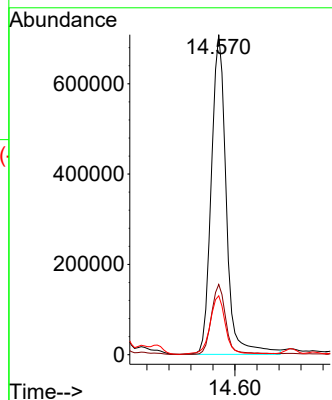
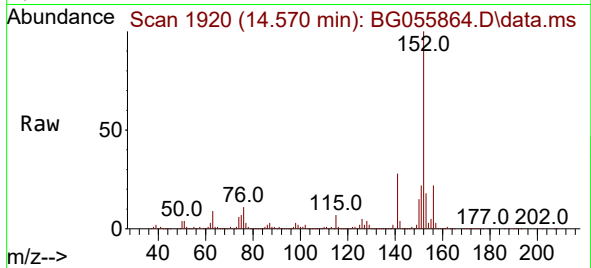




#49
Acenaphthylene
Concen: 112.080 ng
RT: 14.570 min Scan# 1926
Delta R.T. 0.008 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

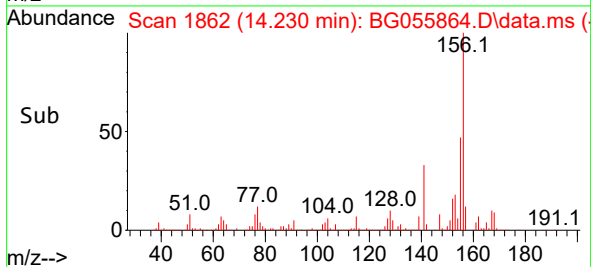
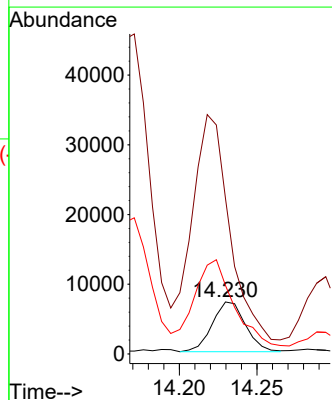
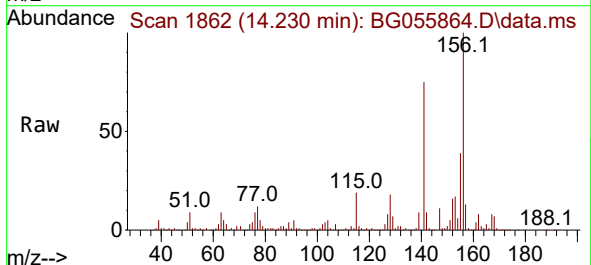
Instrument :
BNA_G
ClientSampleId :
S2

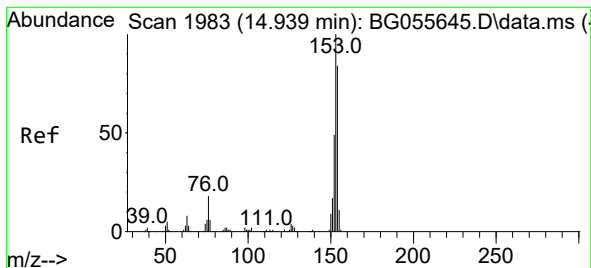
Tgt Ion:152 Resp: 1341218
Ion Ratio Lower Upper
152 100
151 22.0 16.4 24.6
153 18.4 11.0 16.4#



#51
2,6-Dinitrotoluene
Concen: 5.098 ng
RT: 14.230 min Scan# 1862
Delta R.T. -0.180 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion:165 Resp: 10660
Ion Ratio Lower Upper
165 100
63 299.0 44.6 66.8#
89 131.7 42.2 63.4#





#52

Acenaphthene

Concen: 41.017 ng

RT: 14.900 min Scan# 1983

Delta R.T. -0.004 min

Lab File: BG055864.D

Acq: 1 Dec 2022 20:44

Instrument :

BNA_G

ClientSampleId :

S2

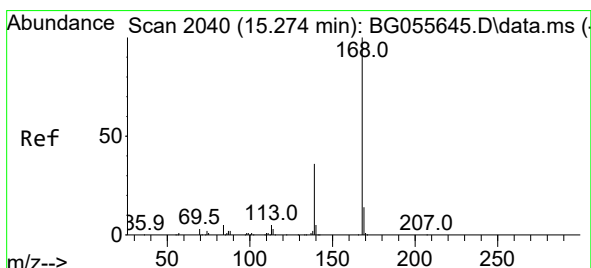
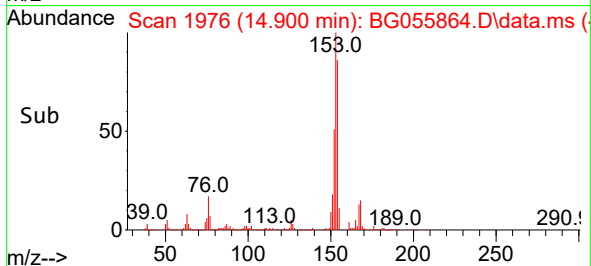
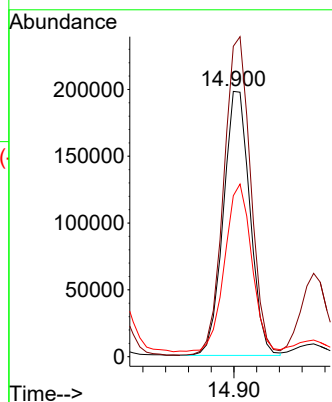
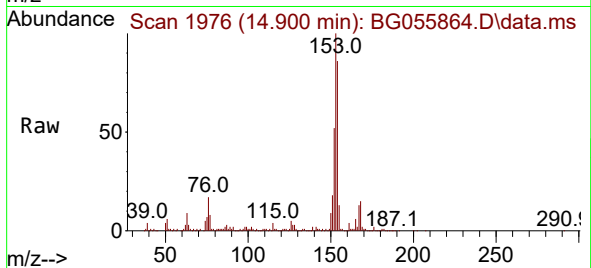
Tgt Ion:154 Resp: 320793

Ion Ratio Lower Upper

154 100

153 117.0 95.0 142.4

152 60.7 46.1 69.1



#55

Dibenzofuran

Concen: 55.967 ng

RT: 15.234 min Scan# 2033

Delta R.T. 0.002 min

Lab File: BG055864.D

Acq: 1 Dec 2022 20:44

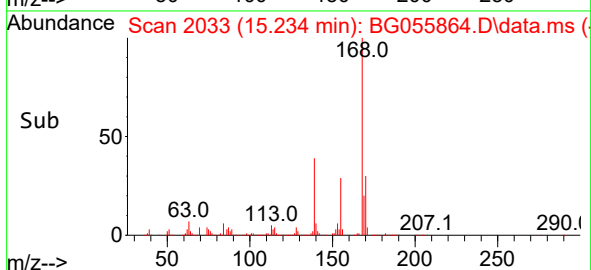
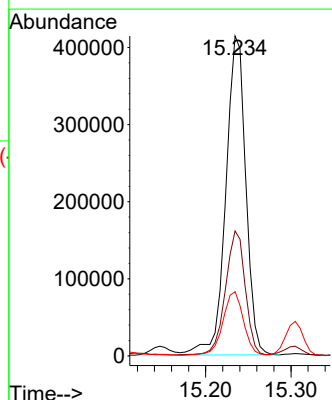
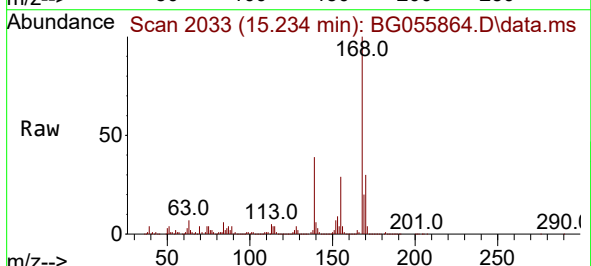
Tgt Ion:168 Resp: 675252

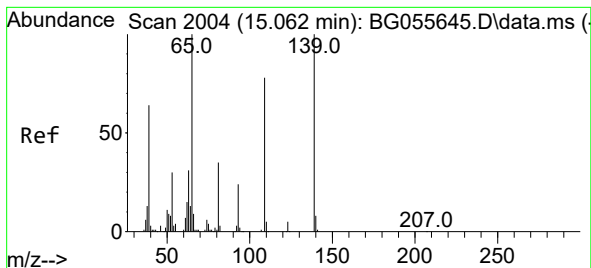
Ion Ratio Lower Upper

168 100

139 39.0 28.8 43.2

169 20.1 11.0 16.4#

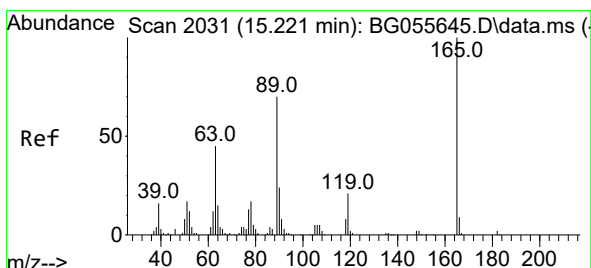
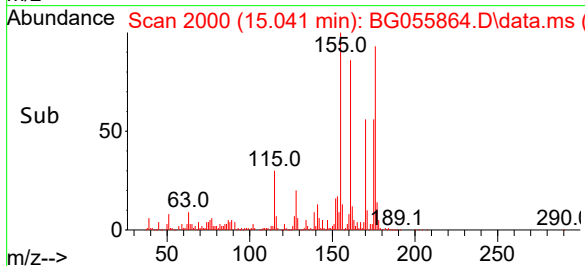
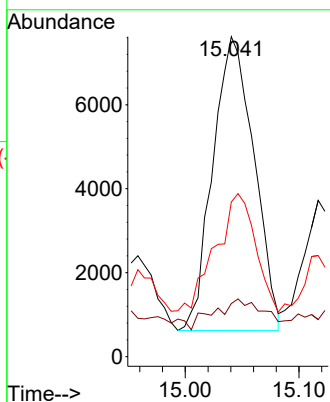
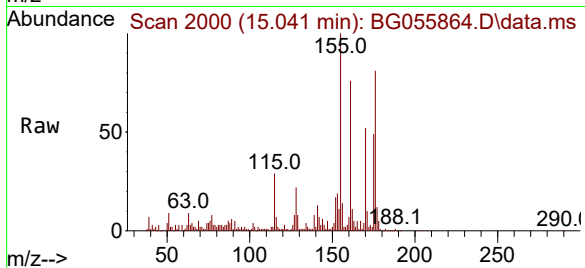




#56
4-Nitrophenol
Concen: 9.778 ng
RT: 15.041 min Scan# 20
Delta R.T. -0.016 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

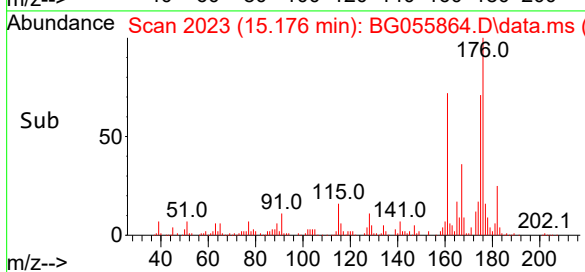
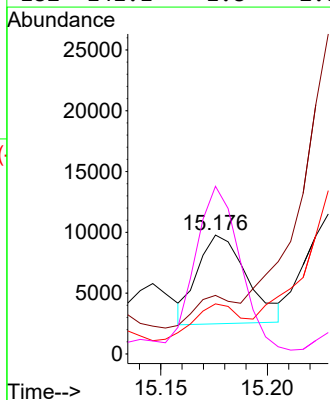
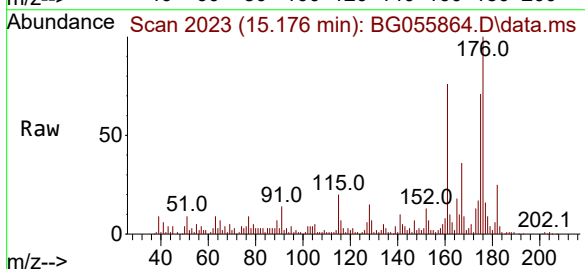
Instrument :
BNA_G
ClientSampleId :
S2

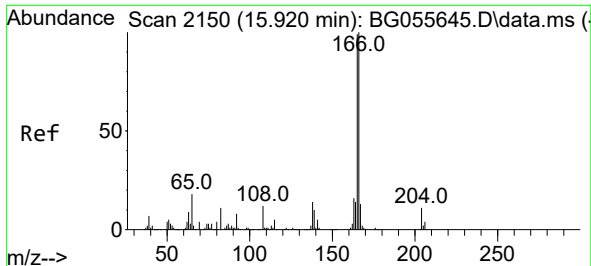
Tgt Ion:139 Resp: 17618
Ion Ratio Lower Upper
139 100
109 16.6 58.6 98.6#
65 48.4 80.5 120.5#



#57
2,4-Dinitrotoluene
Concen: 3.994 ng
RT: 15.176 min Scan# 2023
Delta R.T. -0.022 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion:165 Resp: 11775
Ion Ratio Lower Upper
165 100
63 49.3 35.8 53.8
89 42.1 56.2 84.4#
182 141.1 1.8 2.8#

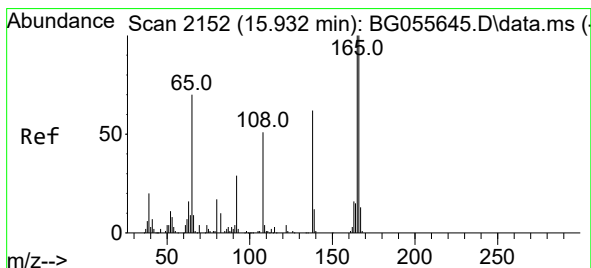
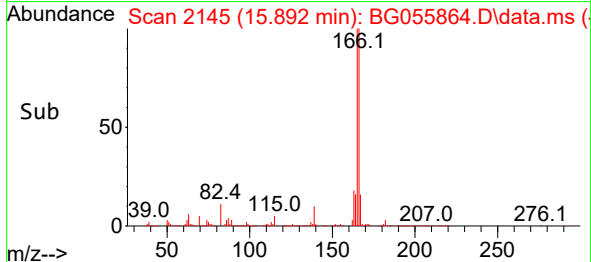
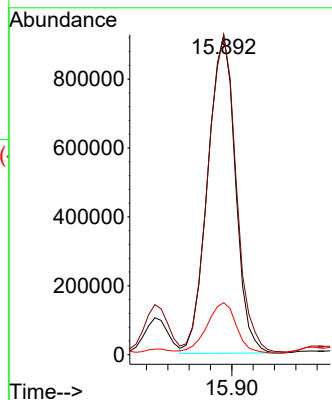
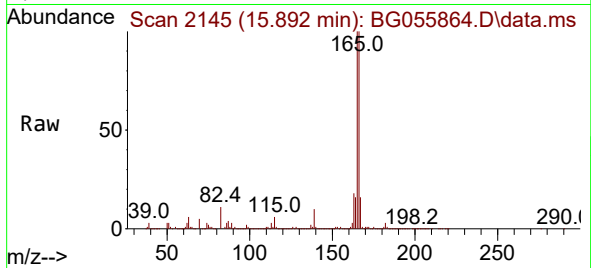




#58
Fluorene
Concen: 172.126 ng
RT: 15.892 min Scan# 2145
Delta R.T. 0.014 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

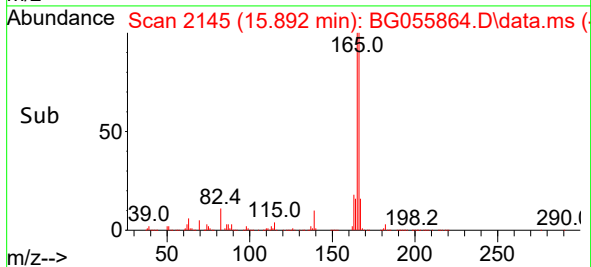
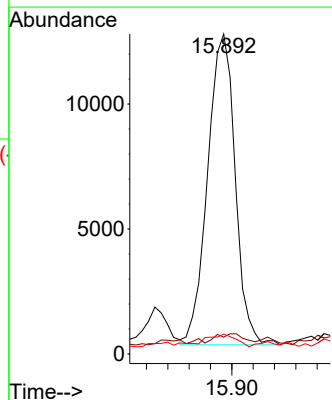
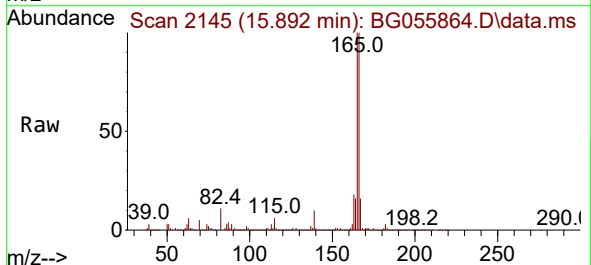
Instrument :
BNA_G
ClientSampleId :
S2

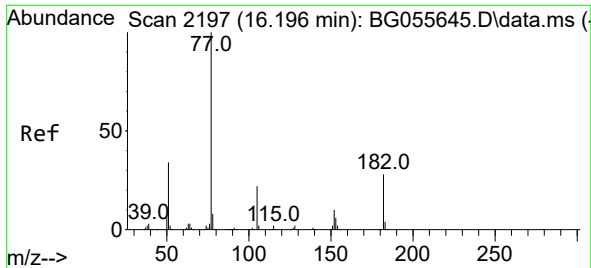
Tgt Ion:166 Resp: 1658677
Ion Ratio Lower Upper
166 100
165 99.9 79.3 118.9
167 16.3 10.6 15.8#



#62
4-Nitroaniline
Concen: 9.307 ng
RT: 15.892 min Scan# 2145
Delta R.T. -0.010 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion:138 Resp: 22333
Ion Ratio Lower Upper
138 100
92 5.2 27.3 67.3#
108 6.2 62.8 102.8#

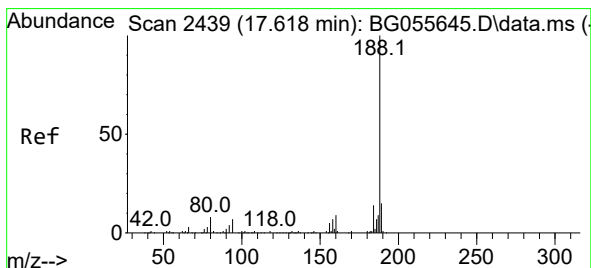
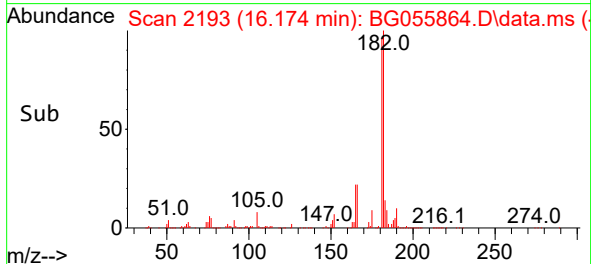
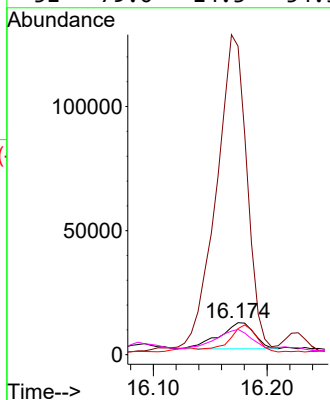
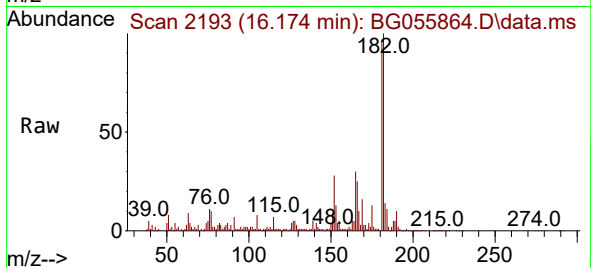




#63
 Azobenzene
 Concen: 2.503 ng
 RT: 16.174 min Scan# 2193
 Delta R.T. 0.020 min
 Lab File: BG055864.D
 Acq: 1 Dec 2022 20:44

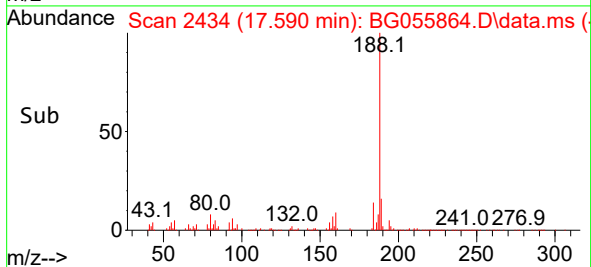
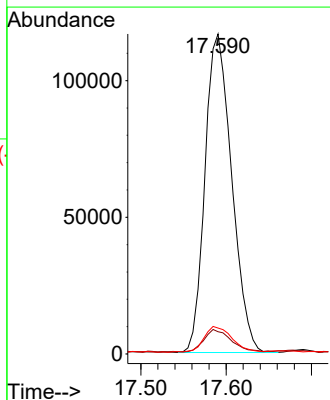
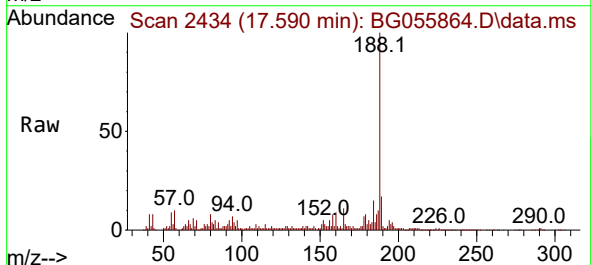
Instrument :
 BNA_G
 ClientSampleId :
 S2

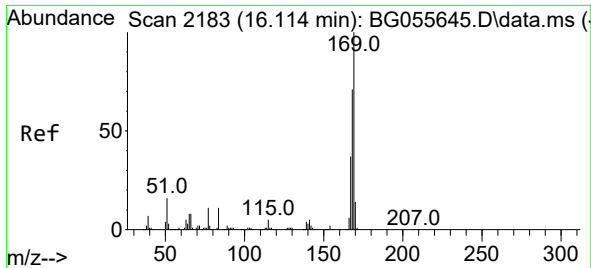
Tgt Ion: 77 Resp: 22599
 Ion Ratio Lower Upper
 77 100
 182 962.0 8.1 48.1#
 105 81.4 1.8 41.8#
 51 79.0 14.3 54.3#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.590 min Scan# 2434
 Delta R.T. 0.014 min
 Lab File: BG055864.D
 Acq: 1 Dec 2022 20:44

Tgt Ion: 188 Resp: 254098
 Ion Ratio Lower Upper
 188 100
 94 7.0 5.4 8.2
 80 8.1 6.6 10.0

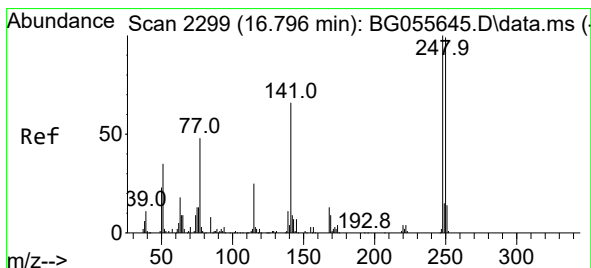
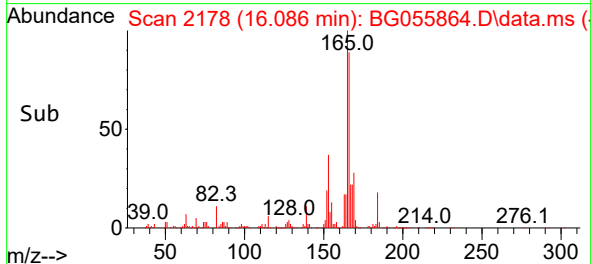
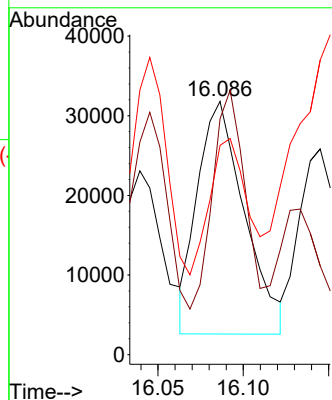
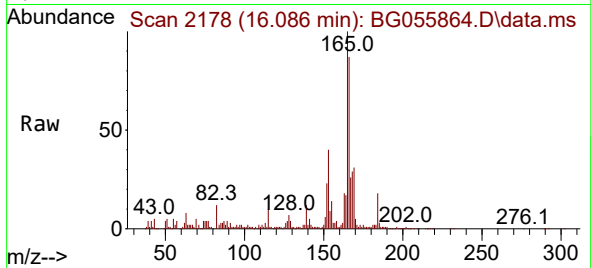




#66
n-Nitrosodiphenylamine
Concen: 7.978 ng
RT: 16.086 min Scan# 2183
Delta R.T. 0.008 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

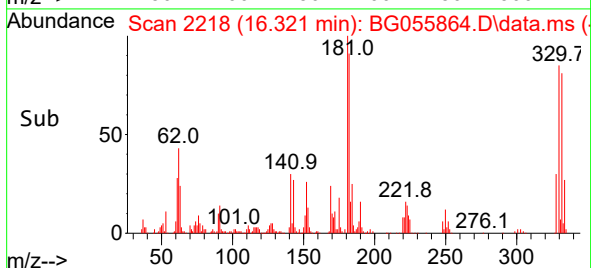
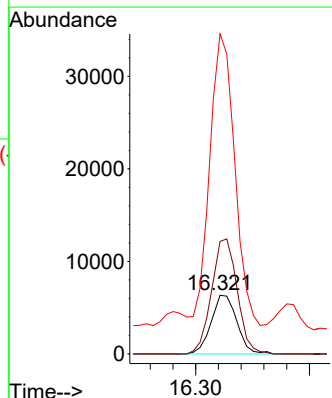
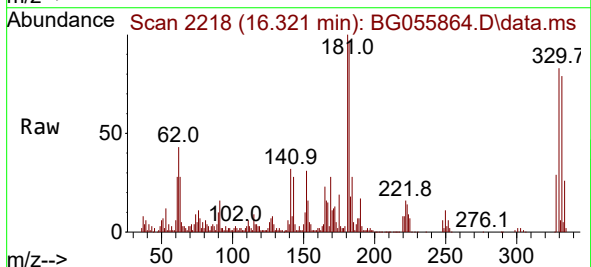
Instrument :
BNA_G
ClientSampleId :
S2

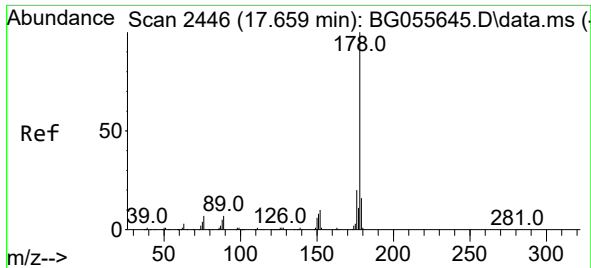
Tgt Ion:169 Resp: 55865
Ion Ratio Lower Upper
169 100
168 93.1 56.6 85.0#
167 82.6 29.9 44.9#



#67
4-Bromophenyl-phenylether
Concen: 3.450 ng
RT: 16.321 min Scan# 2218
Delta R.T. -0.433 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion:248 Resp: 9988
Ion Ratio Lower Upper
248 100
250 191.3 79.0 118.4#
141 544.2 52.9 79.3#

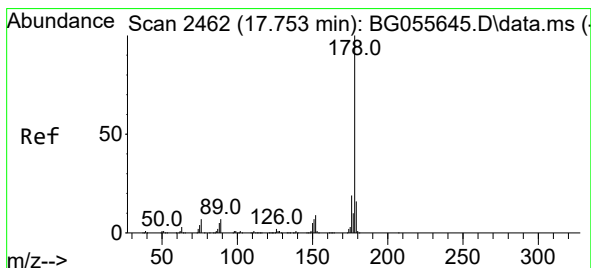
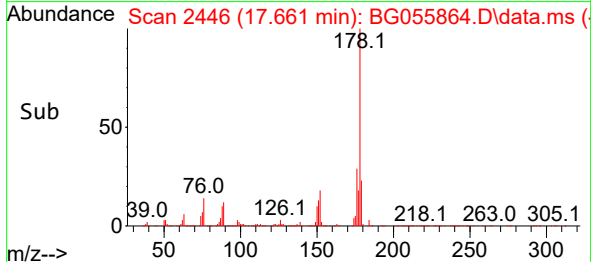
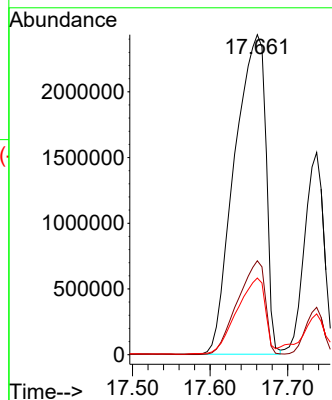
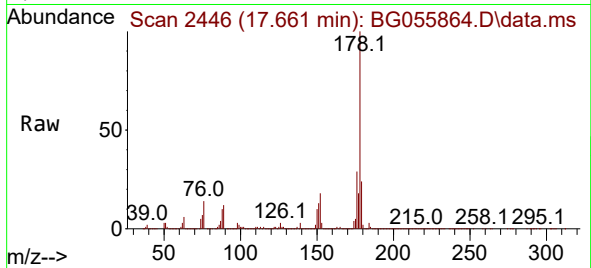




#71
Phenanthrene
Concen: 496.003 ng
RT: 17.661 min Scan# 2446
Delta R.T. 0.037 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

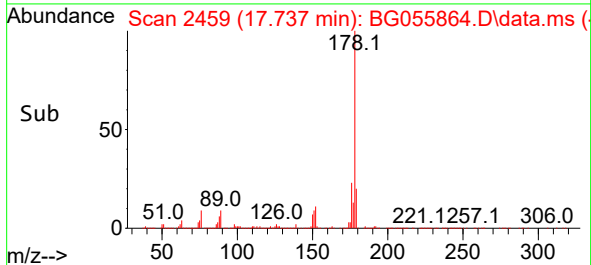
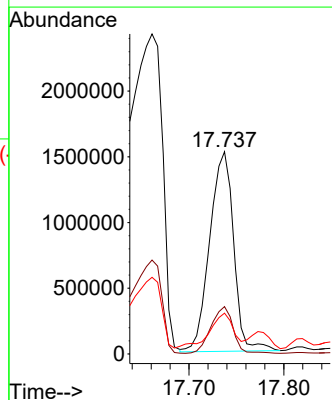
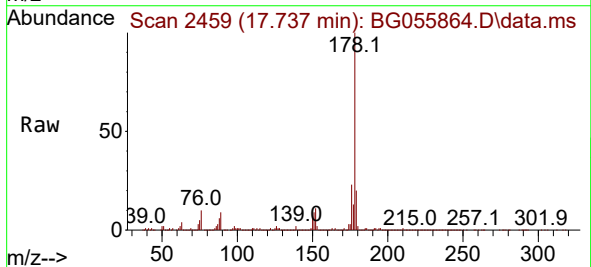
Instrument :
BNA_G
ClientSampleId :
S2

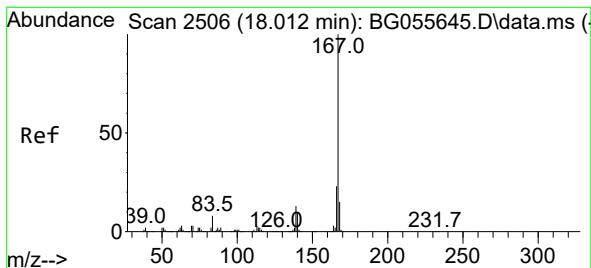
Tgt Ion:178 Resp: 6801301
Ion Ratio Lower Upper
178 100
176 29.3 16.0 24.0#
179 23.9 12.7 19.1#



#72
Anthracene
Concen: 200.699 ng
RT: 17.737 min Scan# 2459
Delta R.T. 0.025 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion:178 Resp: 2673924
Ion Ratio Lower Upper
178 100
176 23.4 15.5 23.3#
179 20.2 12.5 18.7#





#73

Carbazole

Concen: 85.740 ng

RT: 17.990 min Scan# 2

Delta R.T. 0.014 min

Lab File: BG055864.D

Acq: 1 Dec 2022 20:44

Instrument :

BNA_G

ClientSampleId :

S2

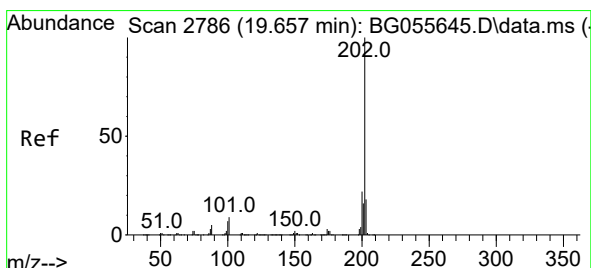
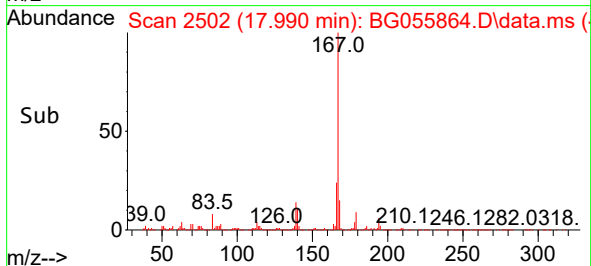
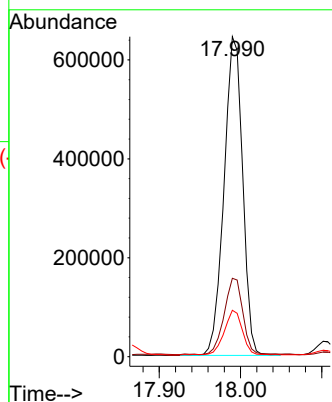
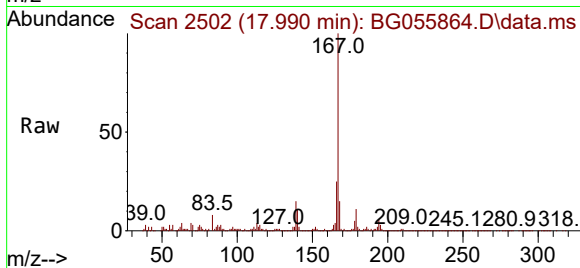
Tgt Ion:167 Resp: 1026937

Ion Ratio Lower Upper

167 100

166 24.5 18.2 27.2

139 14.5 10.2 15.4



#75

Fluoranthene

Concen: 335.197 ng

RT: 19.659 min Scan# 2786

Delta R.T. 0.043 min

Lab File: BG055864.D

Acq: 1 Dec 2022 20:44

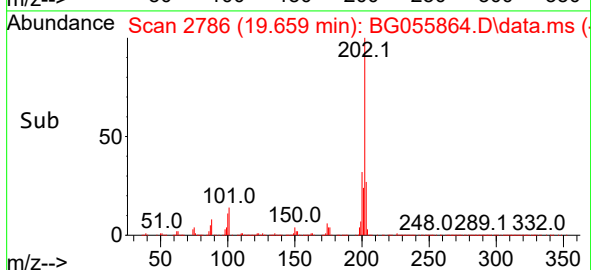
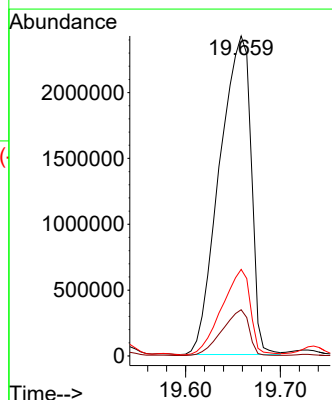
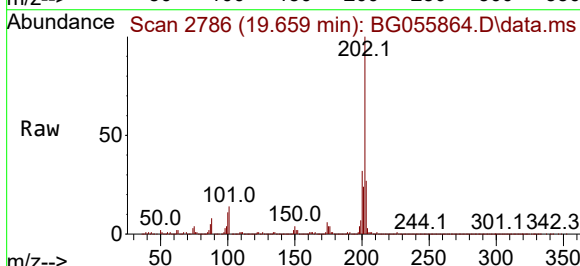
Tgt Ion:202 Resp: 5591728

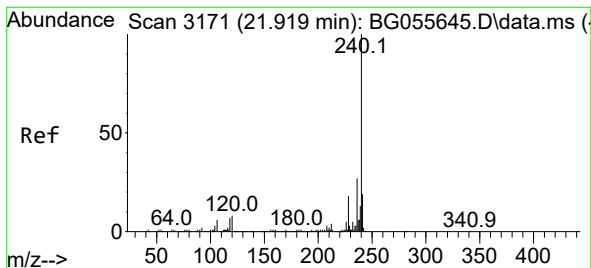
Ion Ratio Lower Upper

202 100

101 14.4 0.0 28.8

203 27.1 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.897 min Scan# 31

Delta R.T. 0.031 min

Lab File: BG055864.D

Acq: 1 Dec 2022 20:44

Instrument :

BNA_G

ClientSampleId :

S2

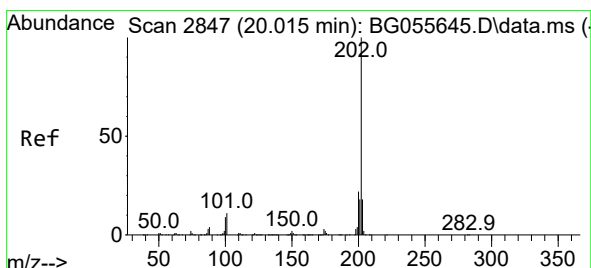
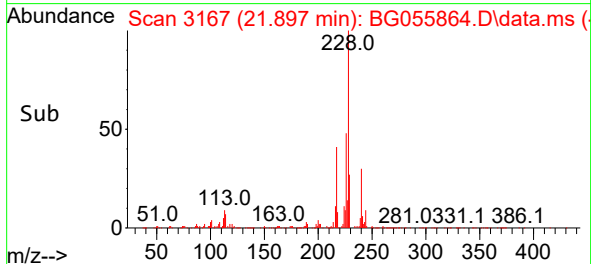
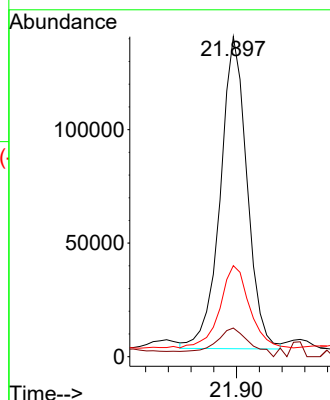
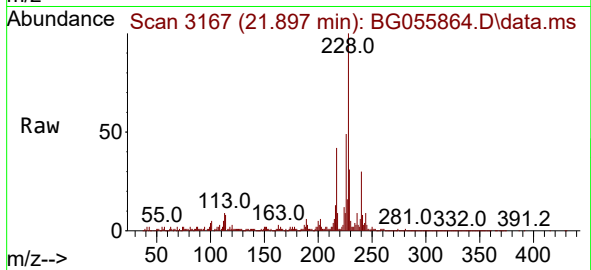
Tgt Ion:240 Resp: 224579

Ion Ratio Lower Upper

240 100

120 8.9 6.3 9.5

236 28.5 21.9 32.9



#78

Pyrene

Concen: 59.151 ng

RT: 19.788 min Scan# 2808

Delta R.T. -0.192 min

Lab File: BG055864.D

Acq: 1 Dec 2022 20:44

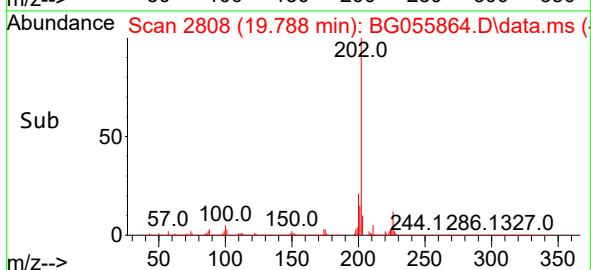
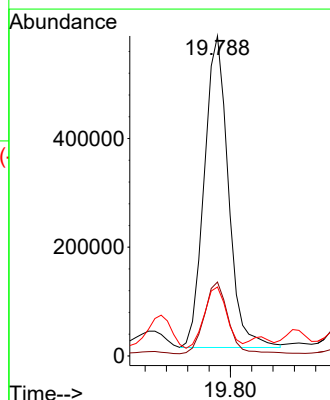
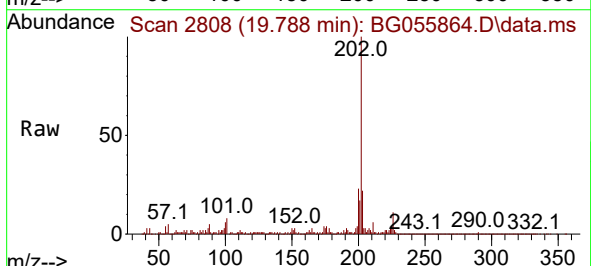
Tgt Ion:202 Resp: 899180

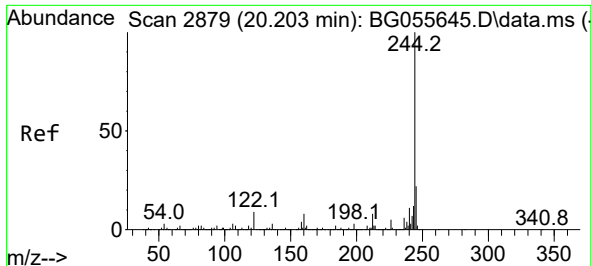
Ion Ratio Lower Upper

202 100

200 23.1 17.8 26.6

203 21.6 14.4 21.6

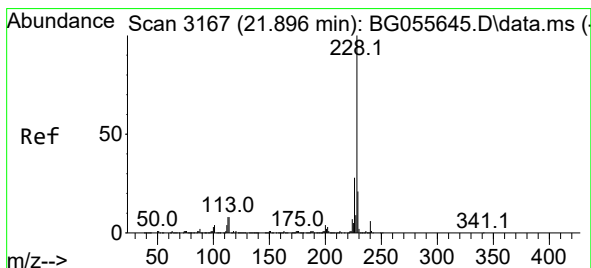
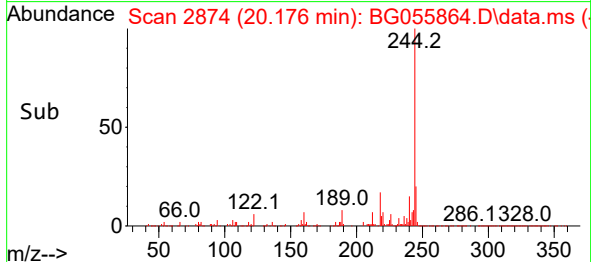
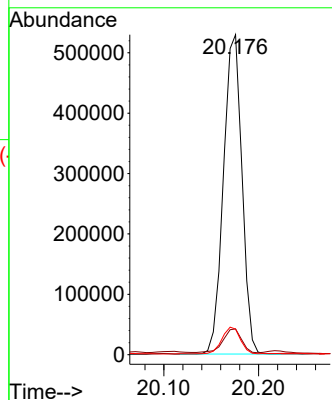
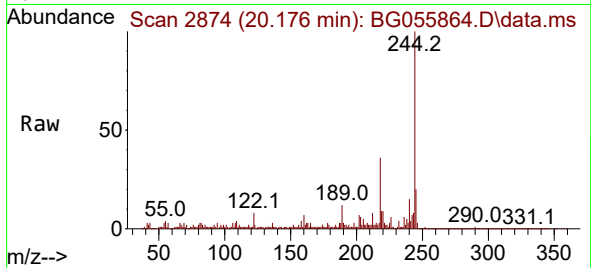




#79
 Terphenyl-d14
 Concen: 63.993 ng
 RT: 20.176 min Scan# 21
 Delta R.T. 0.014 min
 Lab File: BG055864.D
 Acq: 1 Dec 2022 20:44

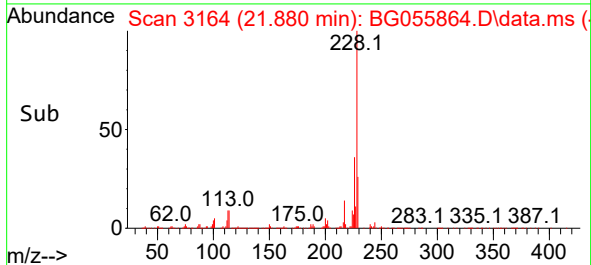
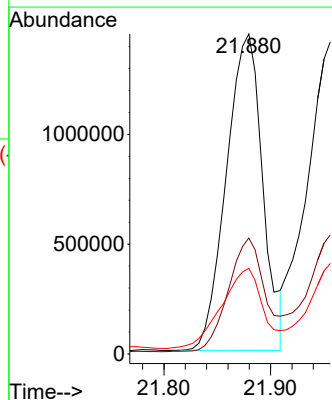
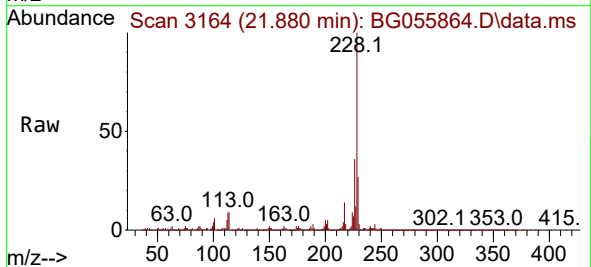
Instrument :
 BNA_G
 ClientSampleId :
 S2

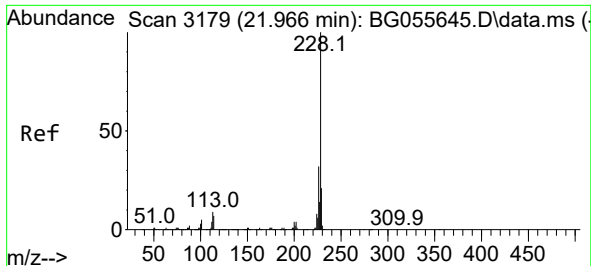
Tgt Ion:244 Resp: 718525
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.3 9.5
 122 8.0 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 220.347 ng
 RT: 21.880 min Scan# 3164
 Delta R.T. 0.031 min
 Lab File: BG055864.D
 Acq: 1 Dec 2022 20:44

Tgt Ion:228 Resp: 3408351
 Ion Ratio Lower Upper
 228 100
 226 36.2 22.7 34.1#
 229 26.7 16.5 24.7#

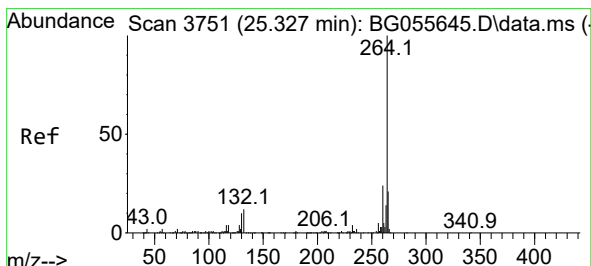
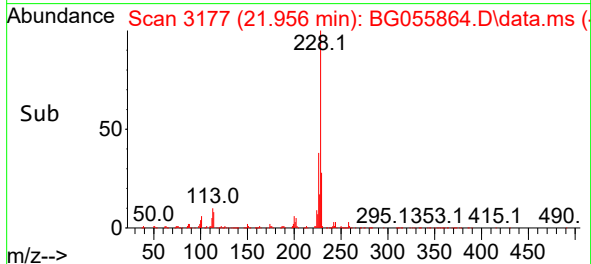
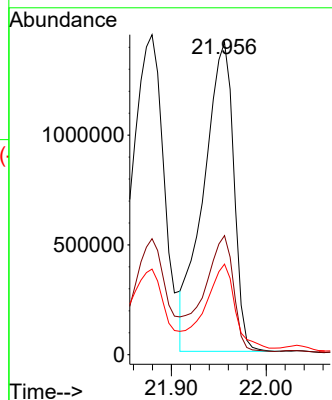
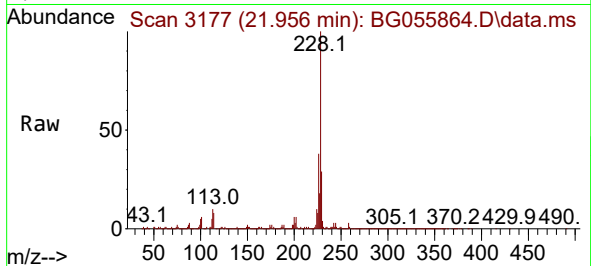




#83
Chrysene
Concen: 212.685 ng
RT: 21.956 min Scan# 3177
Delta R.T. 0.037 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

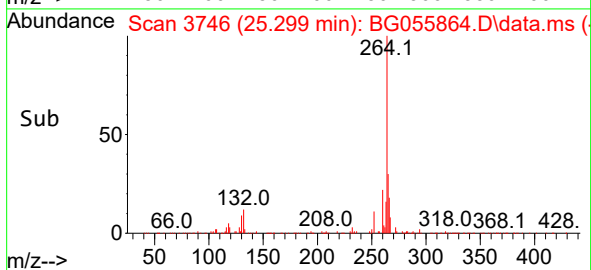
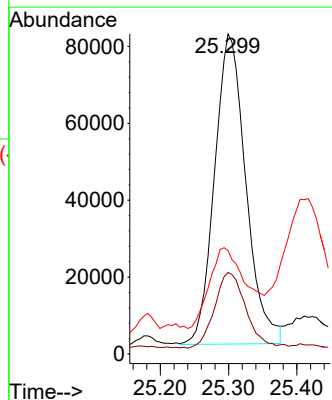
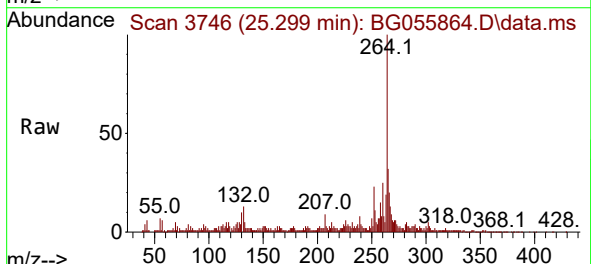
Instrument :
BNA_G
ClientSampleId :
S2

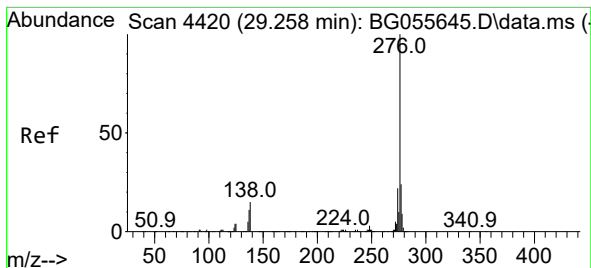
Tgt Ion:228 Resp: 3131893
Ion Ratio Lower Upper
228 100
226 38.1 25.4 38.2
229 29.0 17.1 25.7#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.299 min Scan# 3746
Delta R.T. 0.049 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion:264 Resp: 257623
Ion Ratio Lower Upper
264 100
260 25.5 19.5 29.3
265 32.4 17.1 25.7#





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.801 ng

RT: 29.242 min Scan# 44

Delta R.T. 0.090 min

Lab File: BG055864.D

Acq: 1 Dec 2022 20:44

Instrument :

BNA_G

ClientSampleId :

S2

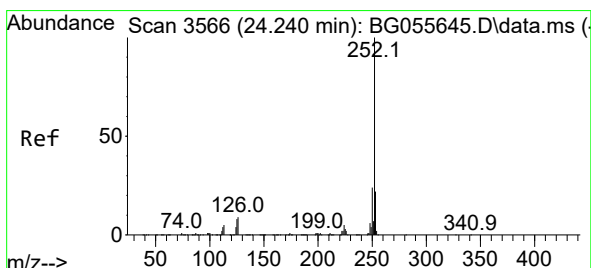
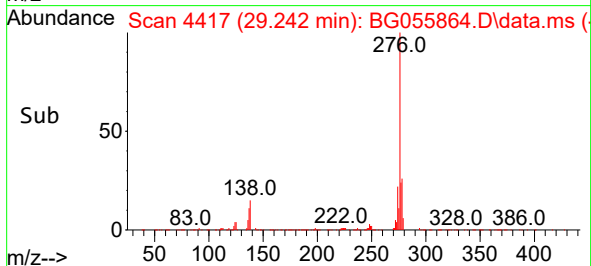
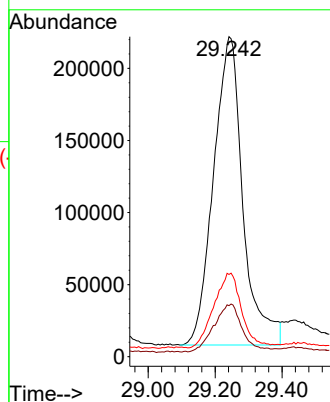
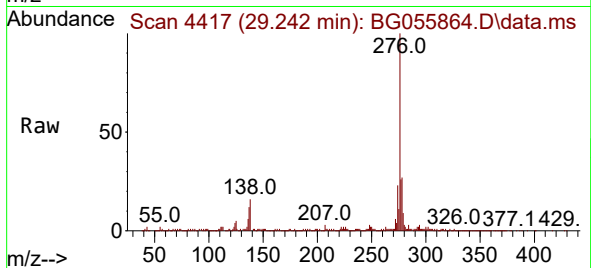
Tgt Ion:276 Resp: 1304326

Ion Ratio Lower Upper

276 100

138 14.9 10.4 15.6

277 23.0 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 198.049 ng

RT: 24.236 min Scan# 3565

Delta R.T. 0.067 min

Lab File: BG055864.D

Acq: 1 Dec 2022 20:44

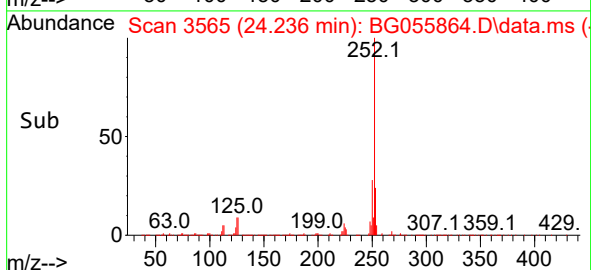
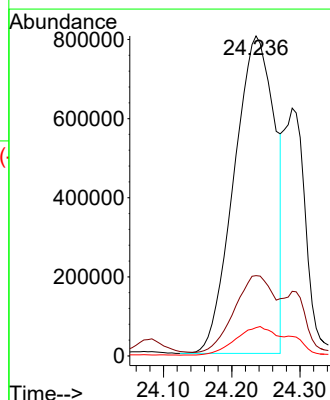
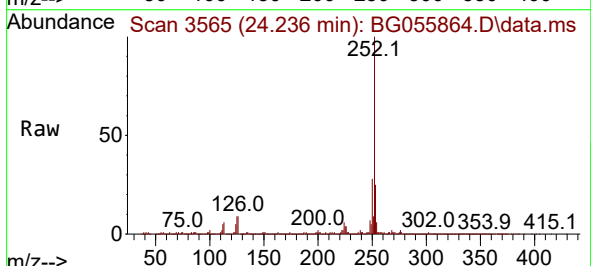
Tgt Ion:252 Resp: 3322818

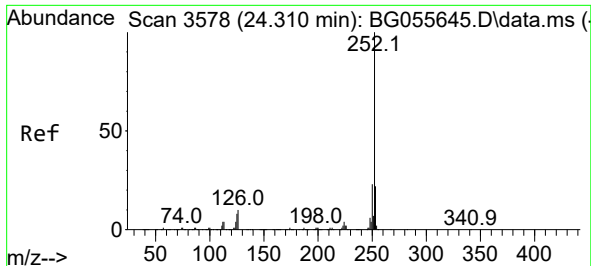
Ion Ratio Lower Upper

252 100

253 25.1 18.0 27.0

125 8.9 6.2 9.2

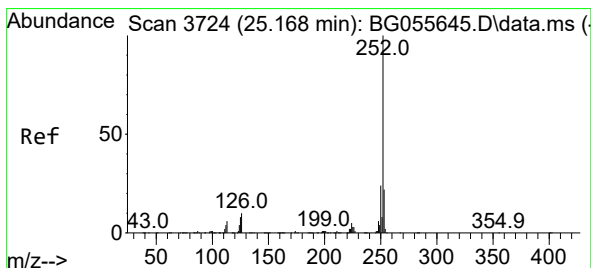
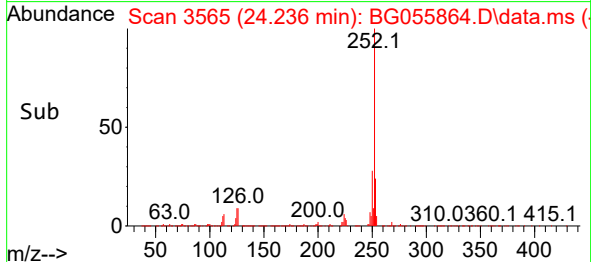
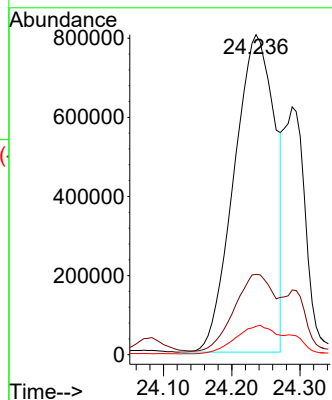
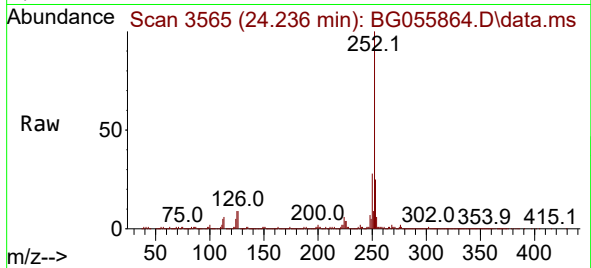




#89
Benzo(k)fluoranthene
Concen: 198.683 ng
RT: 24.236 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

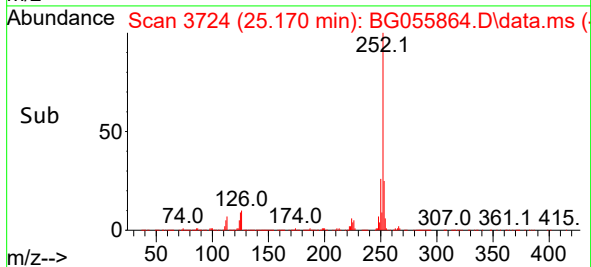
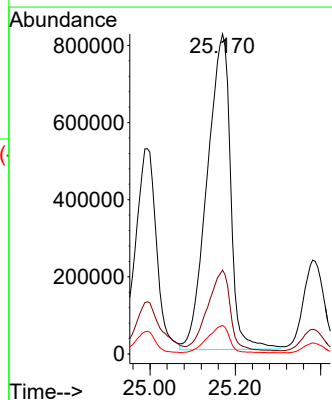
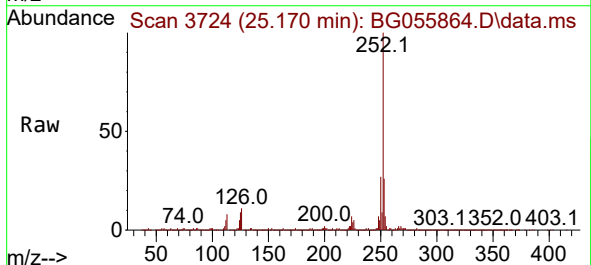
Instrument :
BNA_G
ClientSampleId :
S2

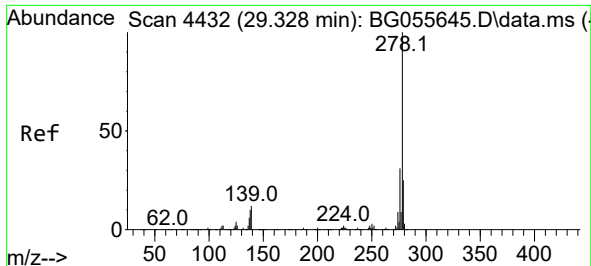
Tgt Ion:252 Resp: 3322818
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.6
125 8.9 6.1 9.1



#90
Benzo(a)pyrene
Concen: 216.107 ng
RT: 25.170 min Scan# 3724
Delta R.T. 0.078 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion:252 Resp: 3111406
Ion Ratio Lower Upper
252 100
253 26.2 17.8 26.6
125 8.9 6.4 9.6

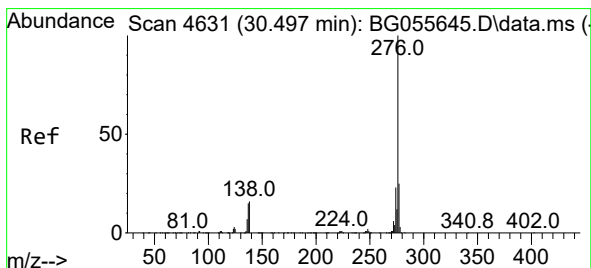
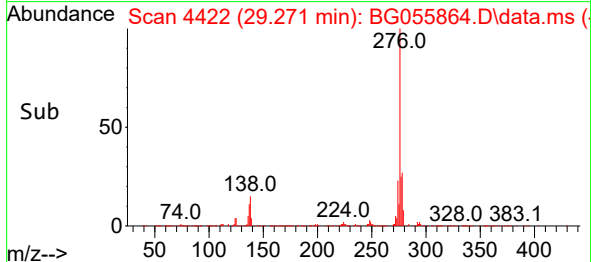
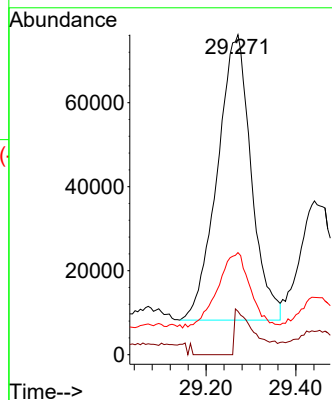
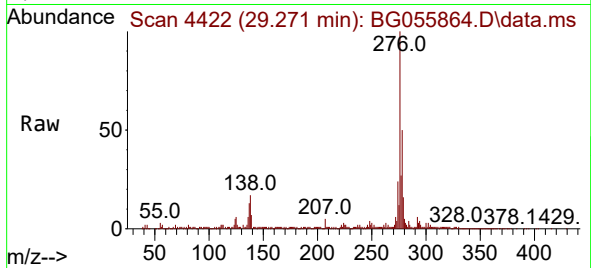




#91
Dibenzo(a,h)anthracene
Concen: 20.660 ng
RT: 29.271 min Scan# 4432
Delta R.T. 0.061 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Instrument :
BNA_G
ClientSampleId :
S2

Tgt Ion:278 Resp: 356311
Ion Ratio Lower Upper
278 100
139 13.5 9.8 14.8
279 31.9 19.8 29.6#



#92
Benzo(g,h,i)perylene
Concen: 63.837 ng
RT: 30.475 min Scan# 4627
Delta R.T. 0.102 min
Lab File: BG055864.D
Acq: 1 Dec 2022 20:44

Tgt Ion:276 Resp: 1109653
Ion Ratio Lower Upper
276 100
277 25.3 19.8 29.6
138 16.4 13.1 19.7

