

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
 Data File : BG056000.D
 Acq On : 16 Dec 2022 19:10
 Operator : CG/JU
 Sample : N6038-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-39-(0-2)

Quant Time: Dec 17 01:24:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 01:18:54 2022
 Response via : Initial Calibration

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

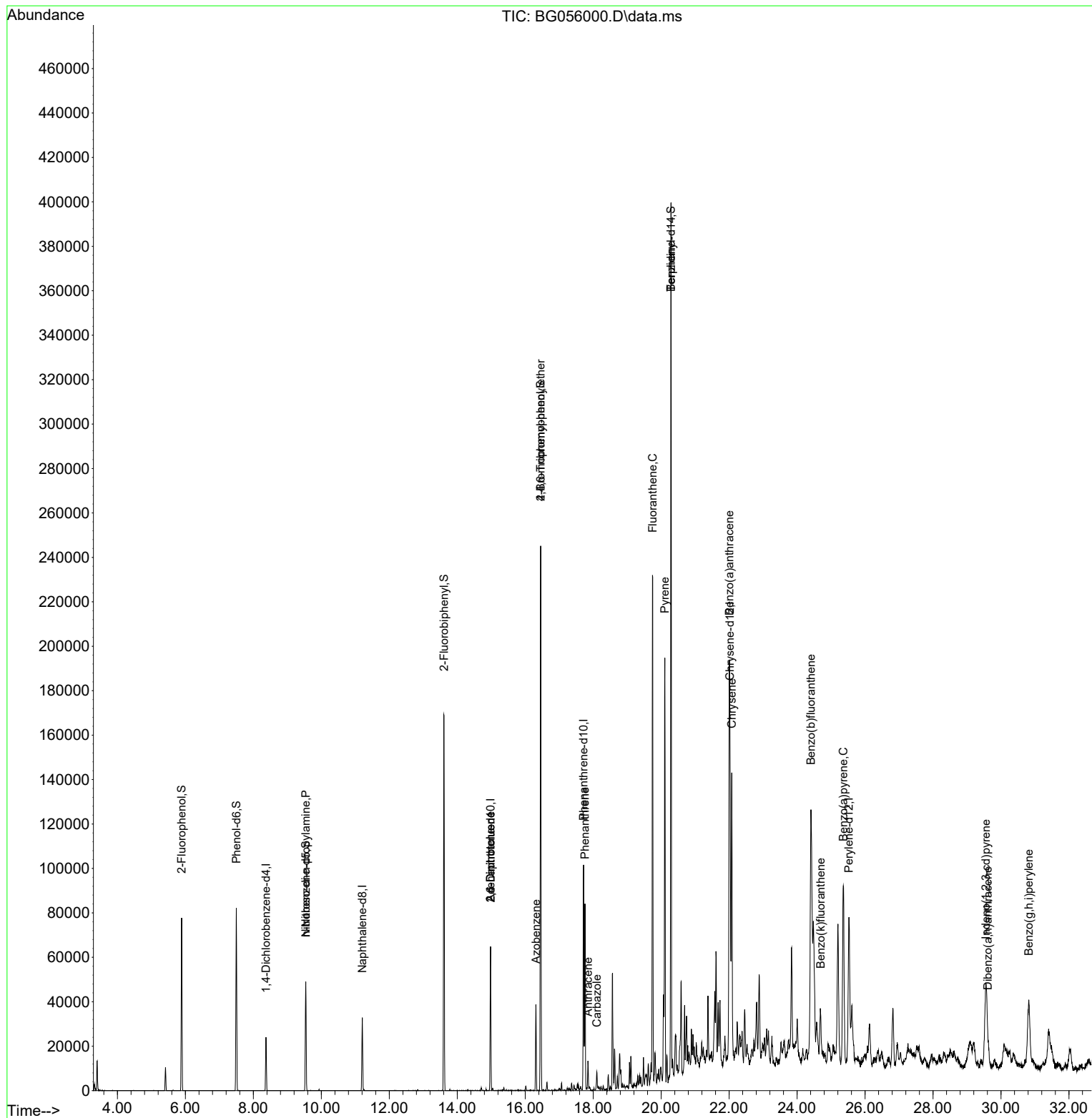
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.369	152	7735	20.000	ng	0.00
21) Naphthalene-d8	11.207	136	28657	20.000	ng	# 0.00
39) Acenaphthene-d10	14.979	164	25236	20.000	ng	0.00
64) Phenanthrene-d10	17.717	188	73474	20.000	ng	0.00
76) Chrysene-d12	22.024	240	72136	20.000	ng	0.00
86) Perylene-d12	25.526	264	89006	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.890	112	31451	95.356	ng	0.00
7) Phenol-d6	7.500	99	38893	91.685	ng	0.00
23) Nitrobenzene-d5	9.544	82	26307	64.151	ng	0.00
42) 2,4,6-Tribromophenol	16.454	330	63354	104.112	ng	0.00
45) 2-Fluorobiphenyl	13.610	172	98343	54.654	ng	0.00
79) Terphenyl-d14	20.291	244	213398	52.284	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.544	70	3951	12.994	ng	# 64
51) 2,6-Dinitrotoluene	14.979	165	3131	9.273	ng	# 25
57) 2,4-Dinitrotoluene	14.979	165	3131	6.143	ng	# 35
63) Azobenzene	16.319	77	9807	7.556	ng	# 1
67) 4-Bromophenyl-phenylether	16.454	248	3505	3.256	ng	# 1
71) Phenanthrene	17.758	178	58490	15.191	ng	99
72) Anthracene	17.846	178	10002	2.626	ng	99
73) Carbazole	18.105	167	7154	2.277	ng	96
75) Fluoranthene	19.750	202	168019	31.162	ng	99
77) Benzidine	20.291	184	3277	2.587	ng	# 93
78) Pyrene	20.108	202	136981	31.382	ng	99
81) Benzo(a)anthracene	22.006	228	116254	22.902	ng	99
83) Chrysene	22.077	228	110115	23.146	ng	97
87) Indeno(1,2,3-cd)pyrene	29.556	276	86583	12.097	ng	# 99
88) Benzo(b)fluoranthene	24.409	252	166104	28.836	ng	97
89) Benzo(k)fluoranthene	24.691	252	23623	4.110	ng	97
90) Benzo(a)pyrene	25.361	252	114687	23.554	ng	99
91) Dibenzo(a,h)anthracene	29.615	278	26883	4.488	ng	# 88
92) Benzo(g,h,i)perylene	30.819	276	74794	12.913	ng	95

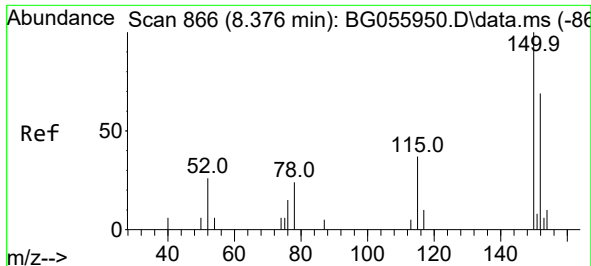
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 17 01:18:54 2022
Response via : Initial Calibration

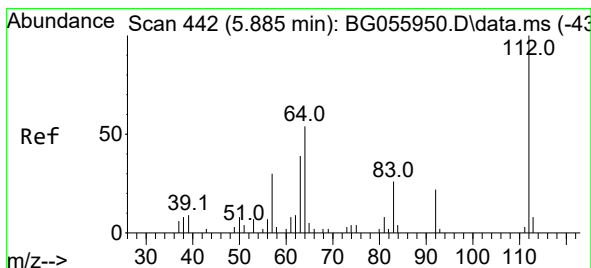
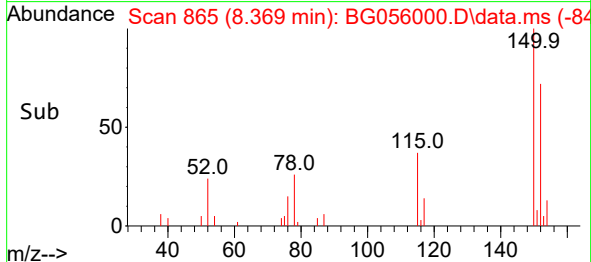
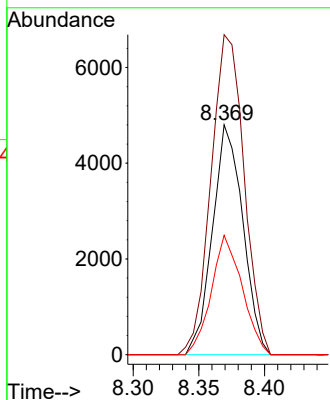
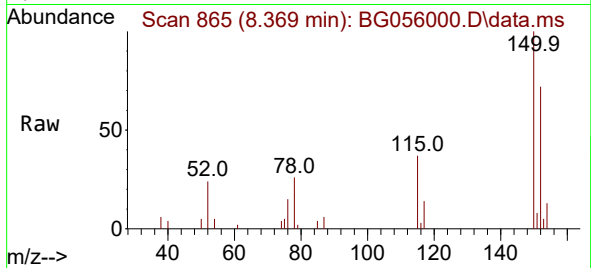




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.369 min Scan# 866
Delta R.T. -0.007 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

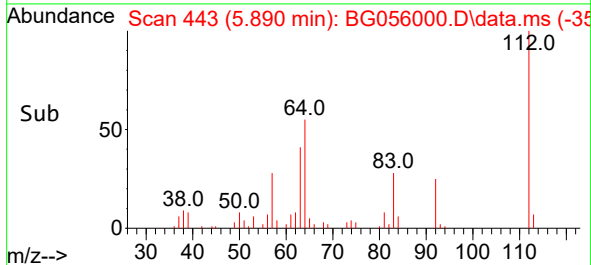
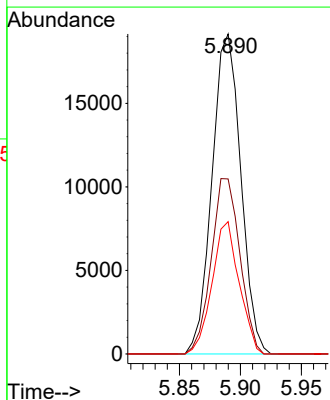
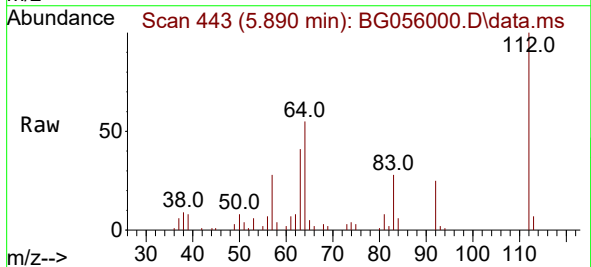
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)

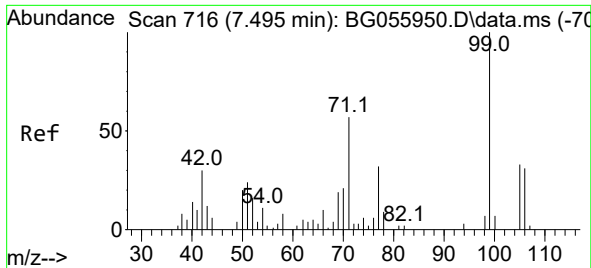
Tgt Ion:152 Resp: 7735
Ion Ratio Lower Upper
152 100
150 139.1 115.7 173.5
115 51.9 43.0 64.4



#5
2-Fluorophenol
Concen: 95.356 ng
RT: 5.890 min Scan# 443
Delta R.T. 0.005 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion:112 Resp: 31451
Ion Ratio Lower Upper
112 100
64 54.7 43.0 64.4
63 41.4 31.4 47.2

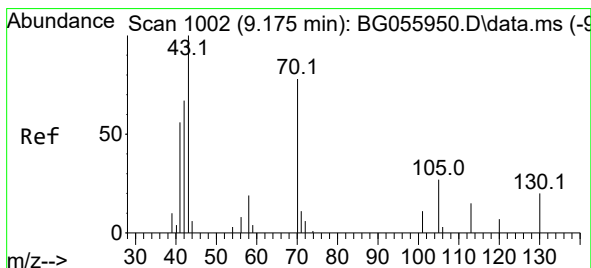
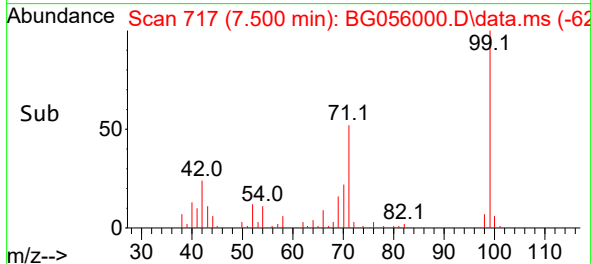
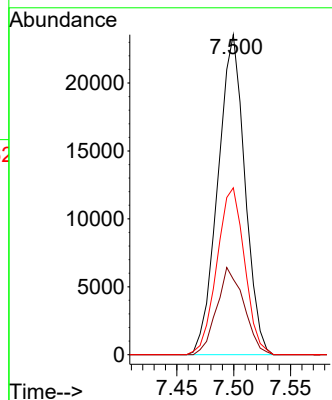
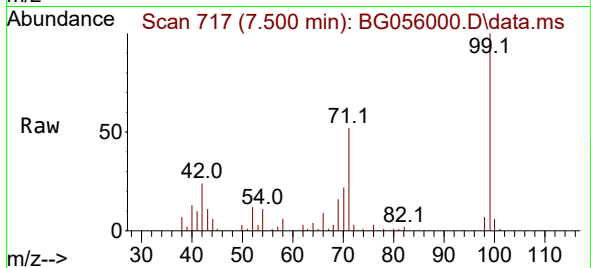




#7
Phenol-d6
Concen: 91.685 ng
RT: 7.500 min Scan# 716
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

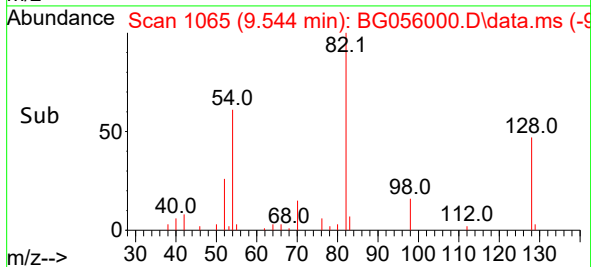
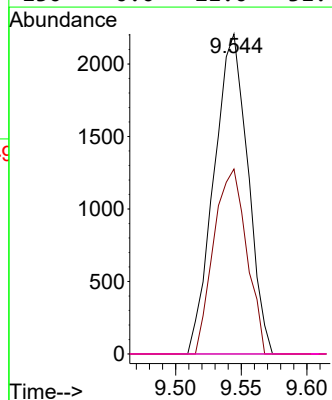
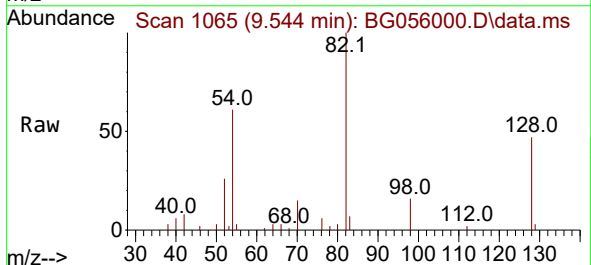
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)

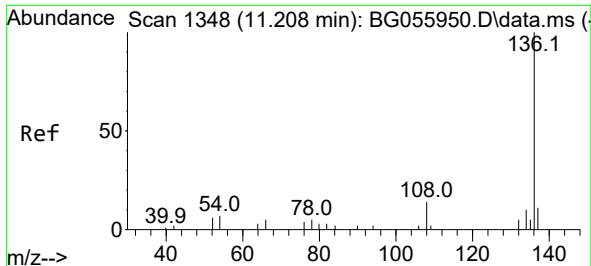
Tgt Ion: 99 Resp: 38893
Ion Ratio Lower Upper
99 100
42 23.6 24.3 36.5#
71 52.1 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.994 ng
RT: 9.544 min Scan# 1065
Delta R.T. 0.369 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion: 70 Resp: 3951
Ion Ratio Lower Upper
70 100
42 57.8 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

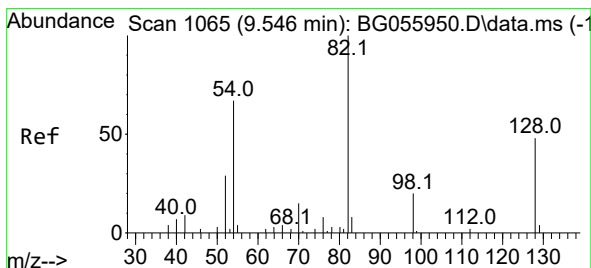
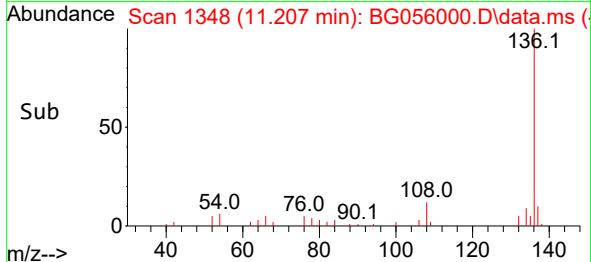
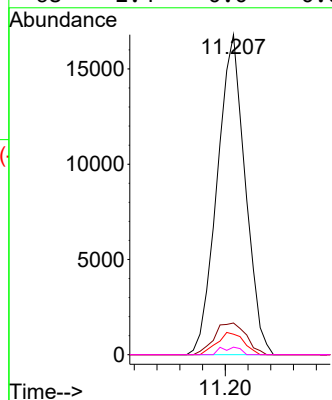
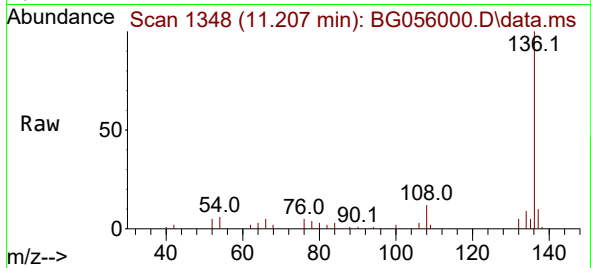




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.207 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

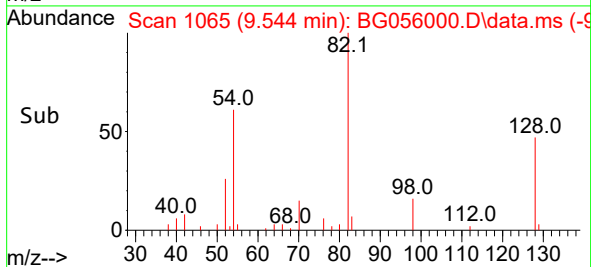
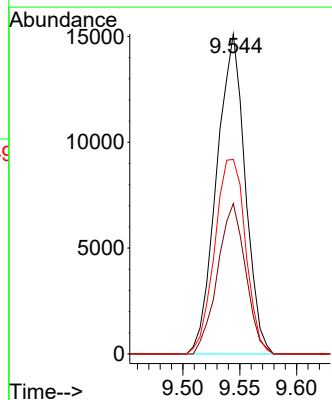
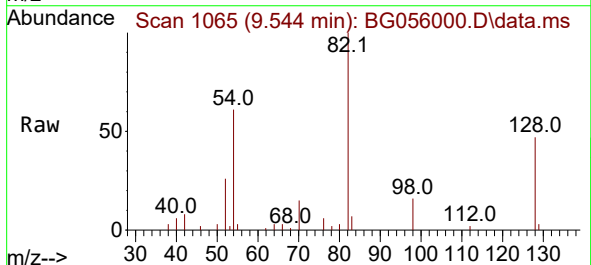
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)

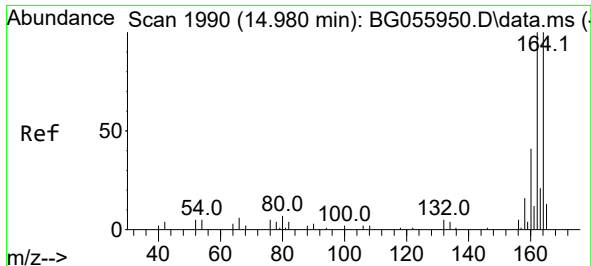
Tgt Ion:	136	Resp:	28657
Ion Ratio	Lower	Upper	
136	100		
137	9.9	9.2	13.8
54	6.4	5.6	8.4
68	2.4	0.0	0.0



#23
Nitrobenzene-d5
Concen: 64.151 ng
RT: 9.544 min Scan# 1065
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion:	82	Resp:	26307
Ion Ratio	Lower	Upper	
82	100		
128	47.0	38.4	57.6
54	60.8	53.3	79.9

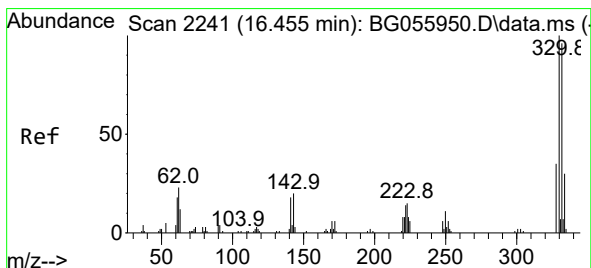
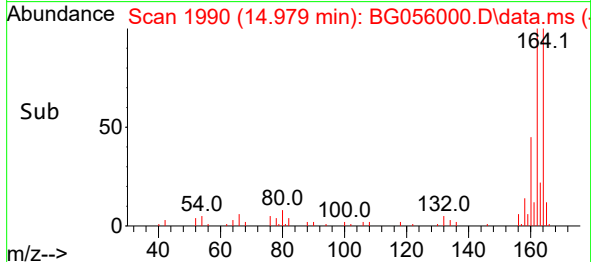
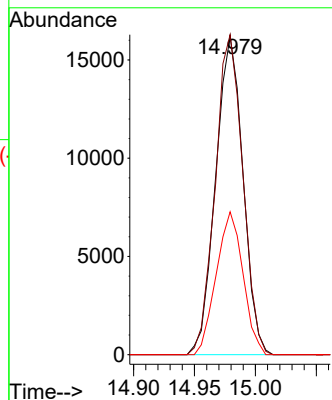
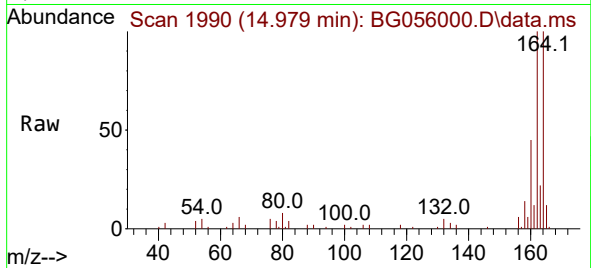




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.979 min Scan# 1990
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

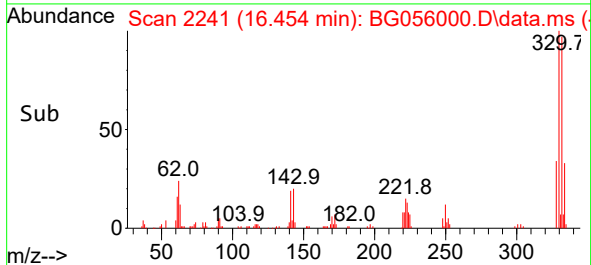
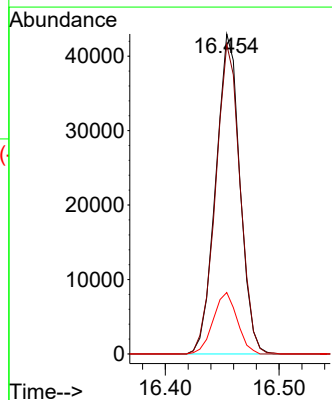
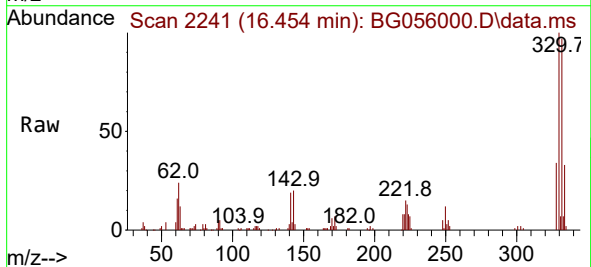
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)

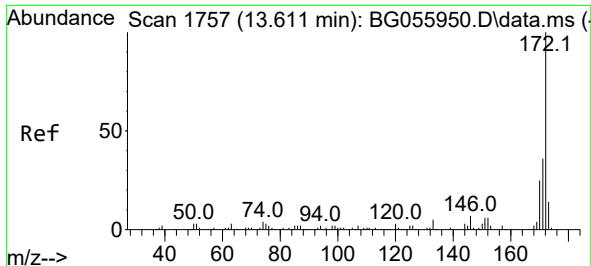
Tgt Ion:164 Resp: 25236
Ion Ratio Lower Upper
164 100
162 100.5 79.8 119.8
160 44.8 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 104.112 ng
RT: 16.454 min Scan# 2241
Delta R.T. -0.007 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion:330 Resp: 63354
Ion Ratio Lower Upper
330 100
332 97.9 76.6 114.8
141 19.1 15.0 22.4

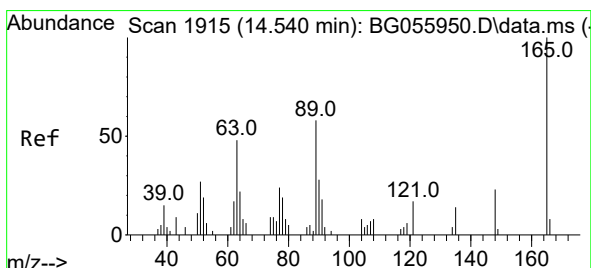
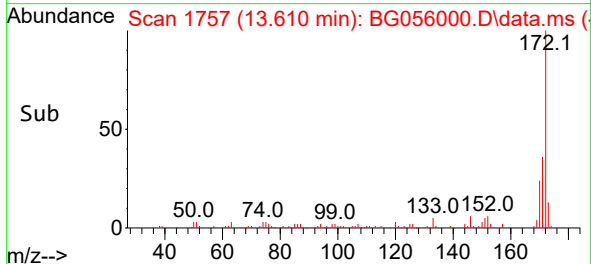
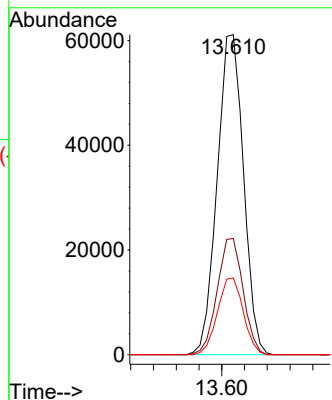
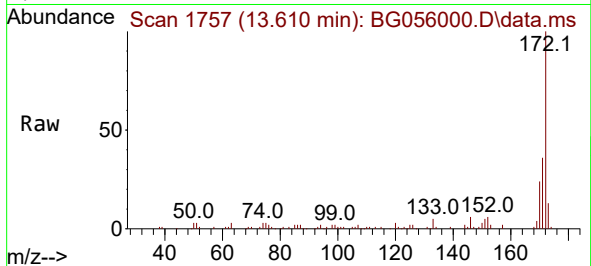




#45
2-Fluorobiphenyl
Concen: 54.654 ng
RT: 13.610 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

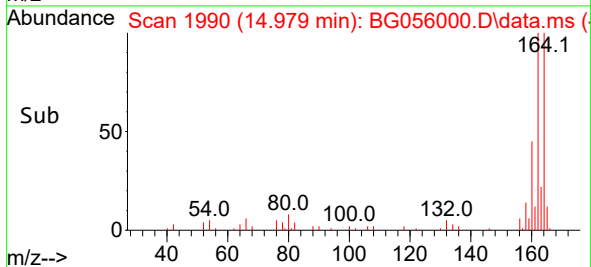
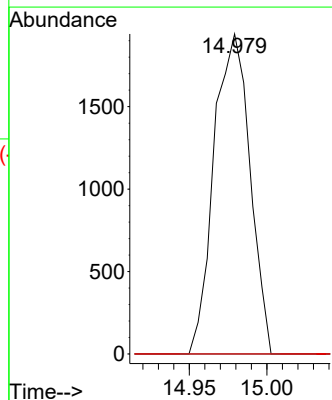
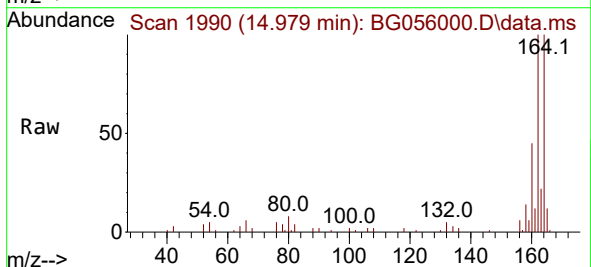
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)

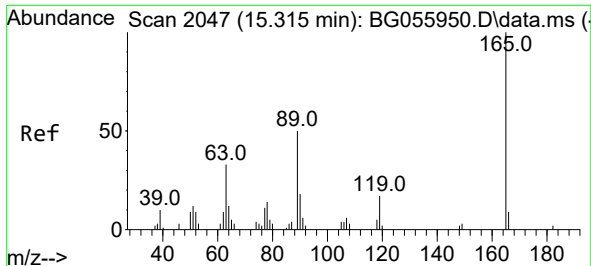
Tgt Ion:172 Resp: 98343
Ion Ratio Lower Upper
172 100
171 36.3 28.6 42.8
170 24.0 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 9.273 ng
RT: 14.979 min Scan# 1990
Delta R.T. 0.434 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion:165 Resp: 3131
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#





#57

2,4-Dinitrotoluene

Concen: 6.143 ng

RT: 14.979 min Scan# 1990

Delta R.T. -0.342 min

Lab File: BG056000.D

Acq: 16 Dec 2022 19:10

Instrument :

BNA_G

ClientSampleId :

RB-39-(0-2)

Tgt Ion:165 Resp: 3131

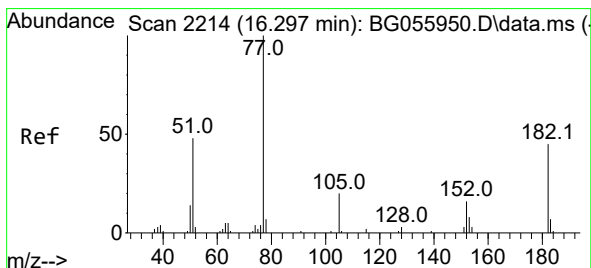
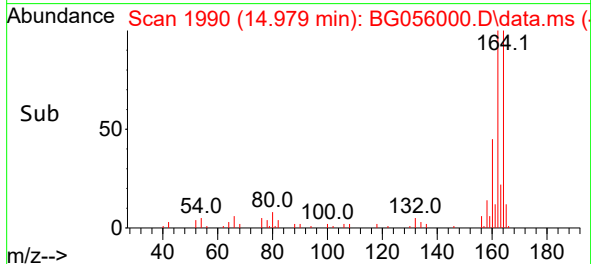
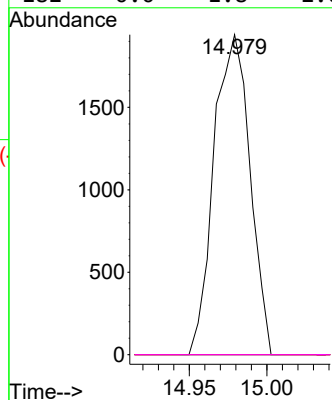
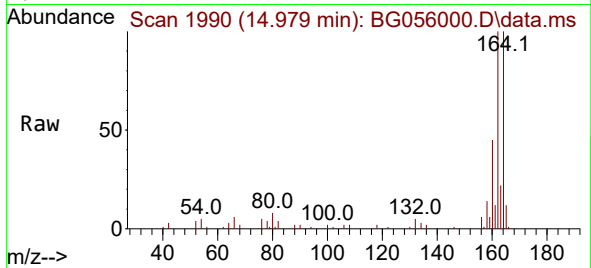
Ion Ratio Lower Upper

165 100

63 0.0 26.6 39.8#

89 0.0 40.1 60.1#

182 0.0 1.8 2.6#



#63

Azobenzene

Concen: 7.556 ng

RT: 16.319 min Scan# 2218

Delta R.T. 0.022 min

Lab File: BG056000.D

Acq: 16 Dec 2022 19:10

Tgt Ion: 77 Resp: 9807

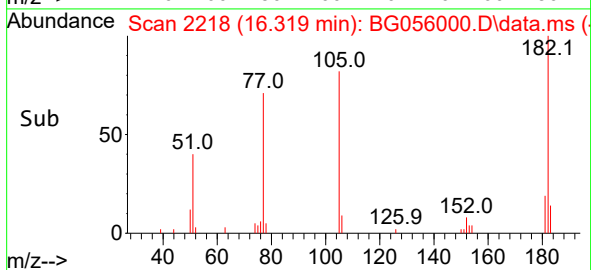
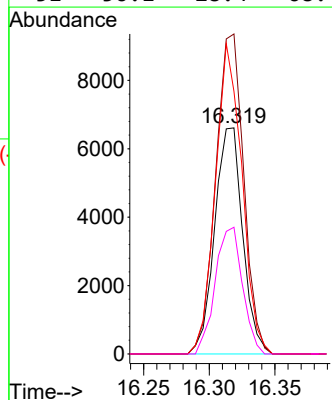
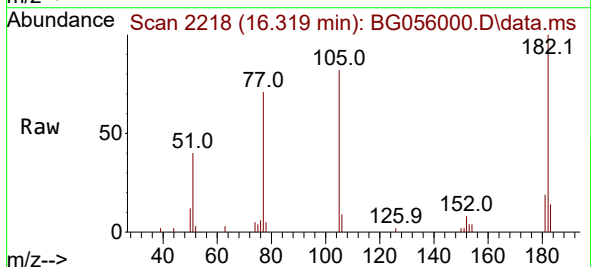
Ion Ratio Lower Upper

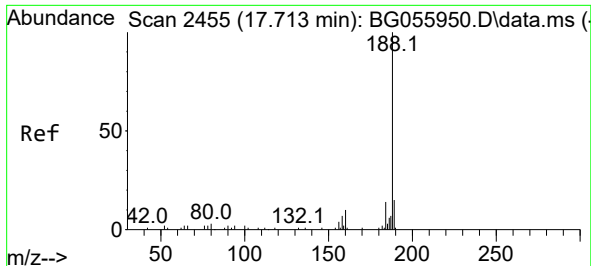
77 100

182 141.6 24.7 64.7#

105 116.1 0.3 40.3#

51 56.1 28.4 68.4

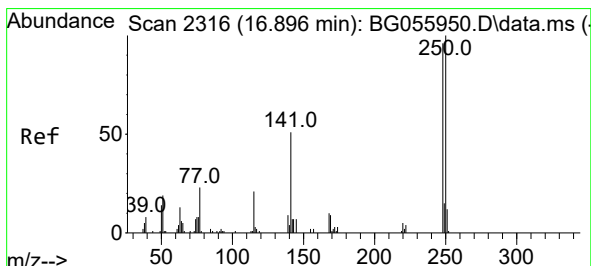
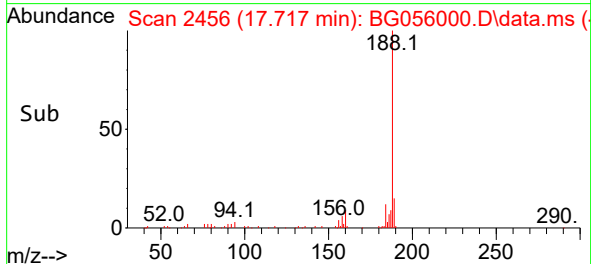
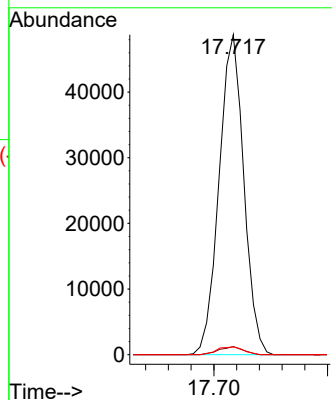
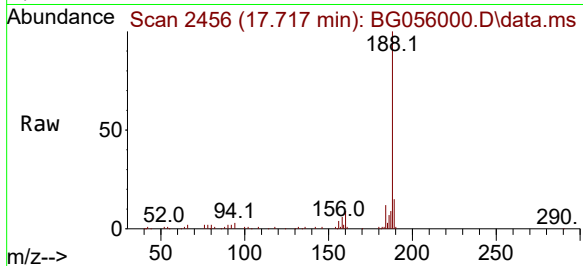




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.717 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

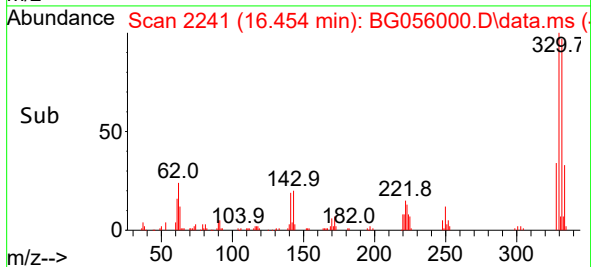
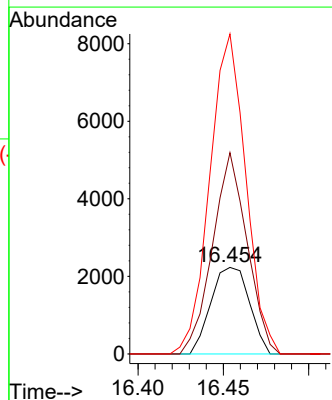
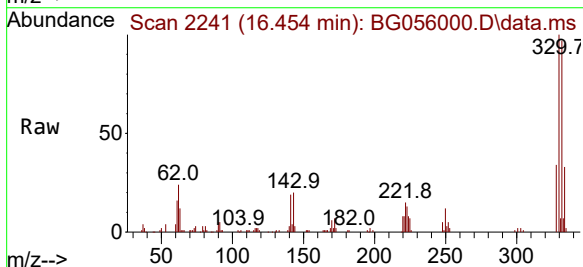
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)

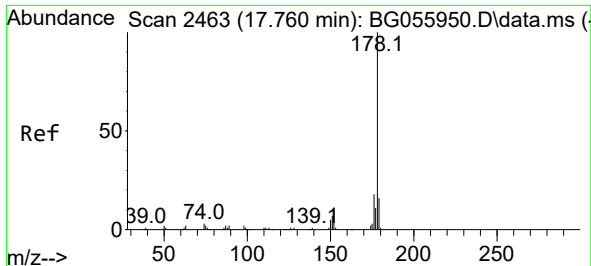
Tgt Ion:188 Resp: 73474
Ion Ratio Lower Upper
188 100
94 2.6 1.8 2.8
80 2.4 2.4 3.6



#67
4-Bromophenyl-phenylether
Concen: 3.256 ng
RT: 16.454 min Scan# 2241
Delta R.T. -0.448 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion:248 Resp: 3505
Ion Ratio Lower Upper
248 100
250 232.6 83.0 124.6#
141 369.7 42.6 64.0#

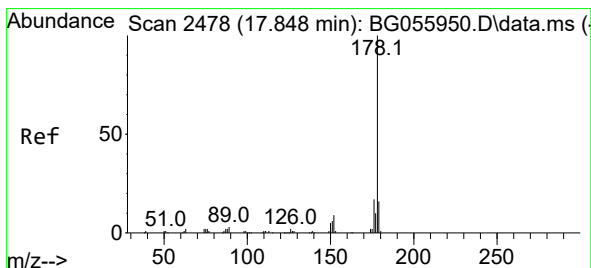
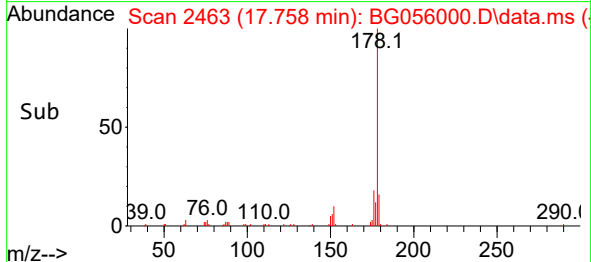
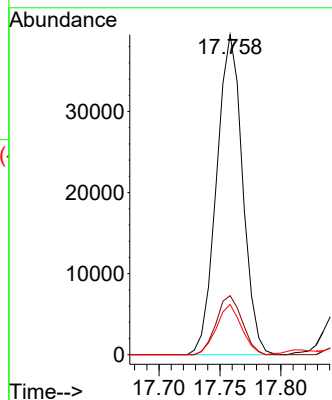
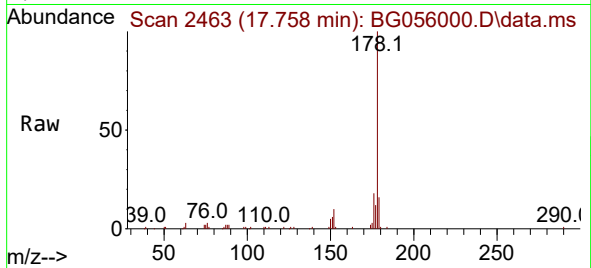




#71
Phenanthrene
Concen: 15.191 ng
RT: 17.758 min Scan# 2463
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

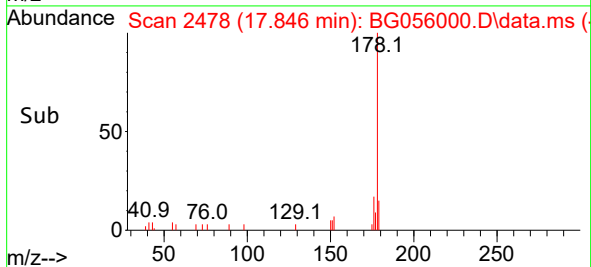
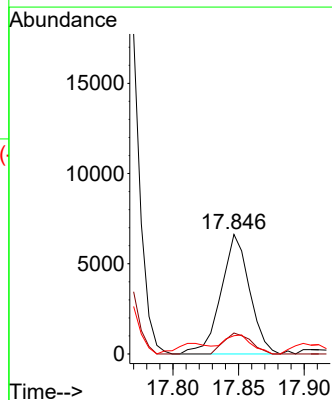
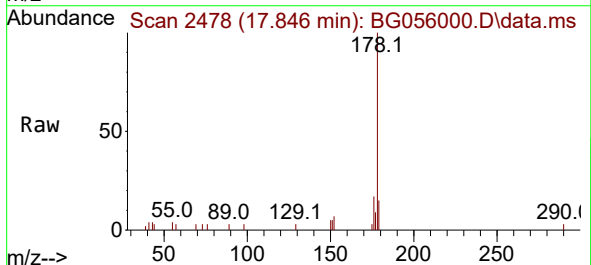
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)

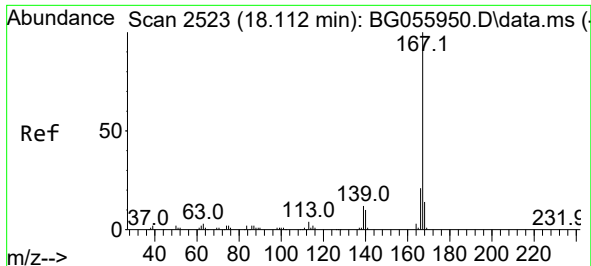
Tgt Ion:178 Resp: 58490
Ion Ratio Lower Upper
178 100
176 18.5 14.4 21.6
179 15.7 12.7 19.1



#72
Anthracene
Concen: 2.626 ng
RT: 17.846 min Scan# 2478
Delta R.T. -0.007 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion:178 Resp: 10002
Ion Ratio Lower Upper
178 100
176 17.5 13.9 20.9
179 15.3 12.7 19.1

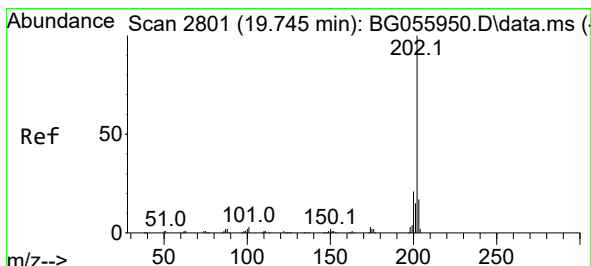
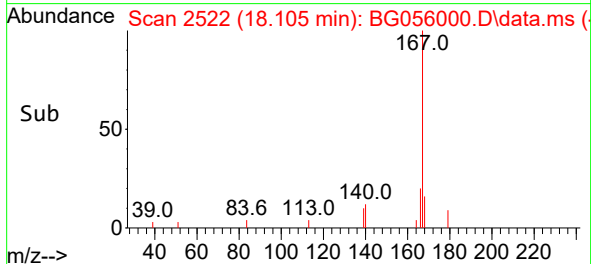
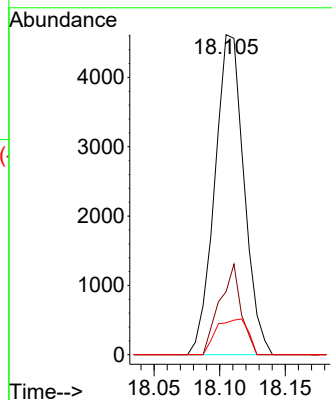
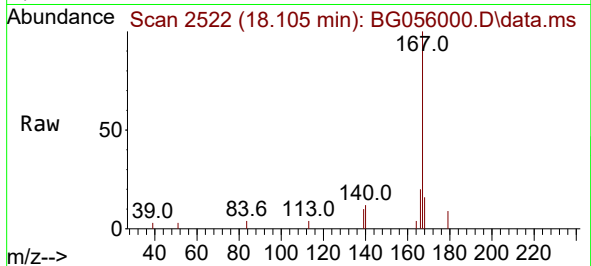




#73
 Carbazole
 Concen: 2.277 ng
 RT: 18.105 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG056000.D
 Acq: 16 Dec 2022 19:10

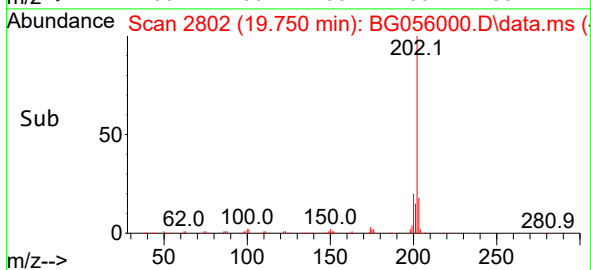
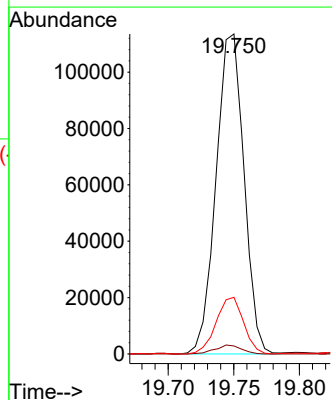
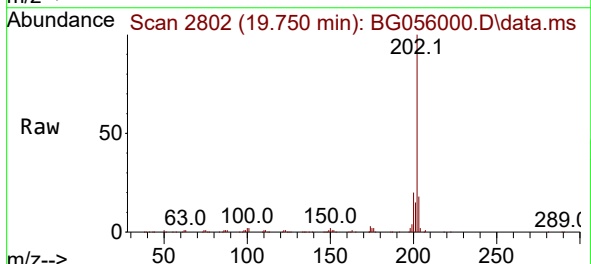
Instrument :
 BNA_G
 ClientSampleId :
 RB-39-(0-2)

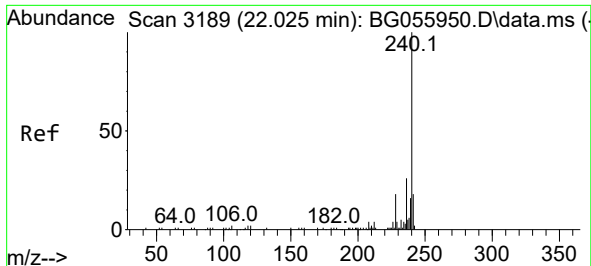
Tgt Ion:167	Resp:	7154
Ion Ratio	Lower	Upper
167	100	
166	19.7	16.6 25.0
139	9.9	9.7 14.5



#75
 Fluoranthene
 Concen: 31.162 ng
 RT: 19.750 min Scan# 2802
 Delta R.T. -0.001 min
 Lab File: BG056000.D
 Acq: 16 Dec 2022 19:10

Tgt Ion:202	Resp:	168019
Ion Ratio	Lower	Upper
202	100	
101	2.5	0.0 22.6
203	17.7	0.0 37.1

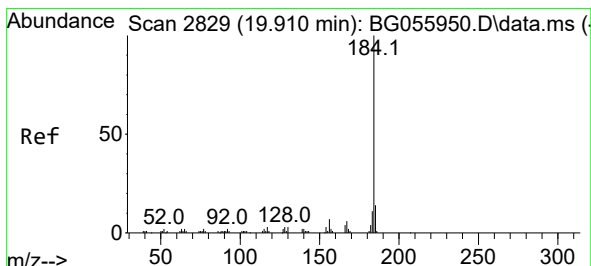
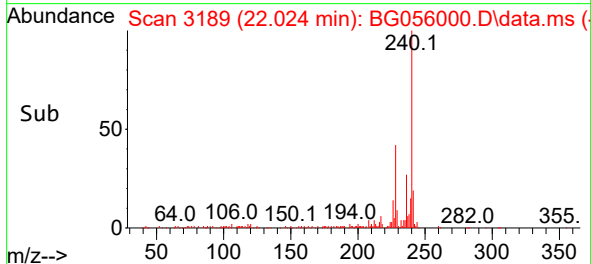
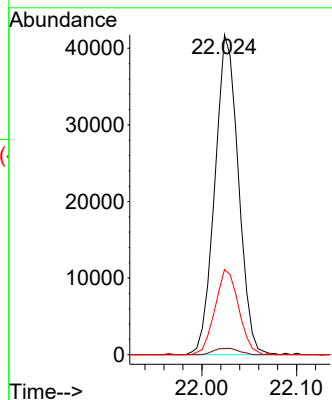
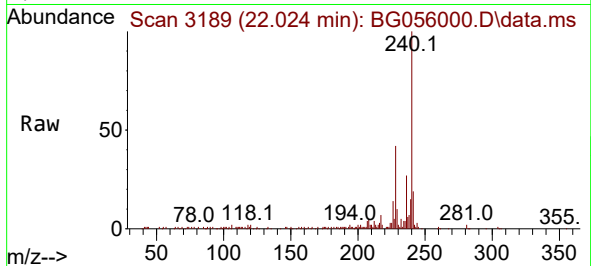




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.024 min Scan# 3189
Delta R.T. -0.007 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

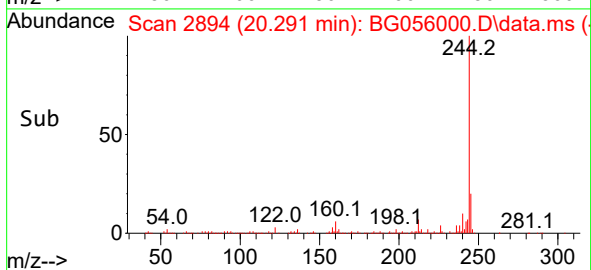
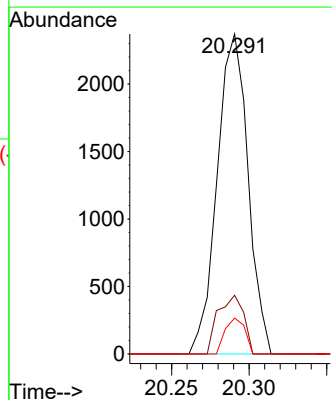
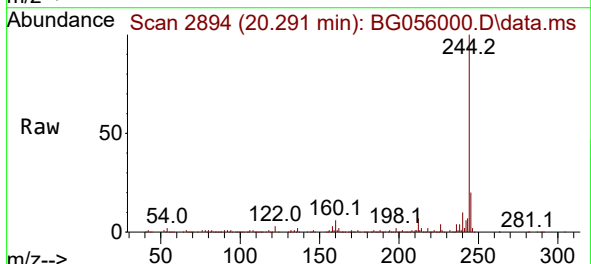
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)

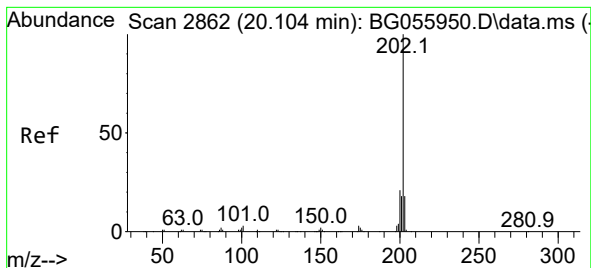
Tgt Ion:240 Resp: 72136
Ion Ratio Lower Upper
240 100
120 1.9 1.7 2.5
236 26.6 21.1 31.7



#77
Benzidine
Concen: 2.587 ng
RT: 20.291 min Scan# 2894
Delta R.T. 0.375 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion:184 Resp: 3277
Ion Ratio Lower Upper
184 100
185 18.3 10.9 16.3#
183 11.2 9.2 13.8





#78

Pyrene

Concen: 31.382 ng

RT: 20.108 min Scan# 2863

Delta R.T. -0.001 min

Lab File: BG056000.D

Acq: 16 Dec 2022 19:10

Instrument :

BNA_G

ClientSampleId :

RB-39-(0-2)

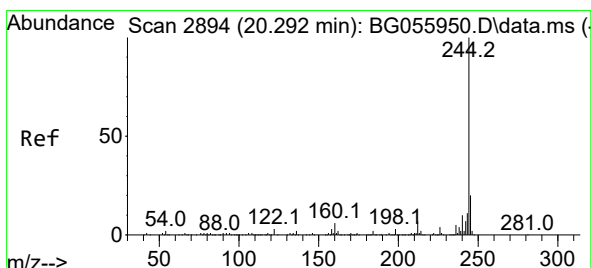
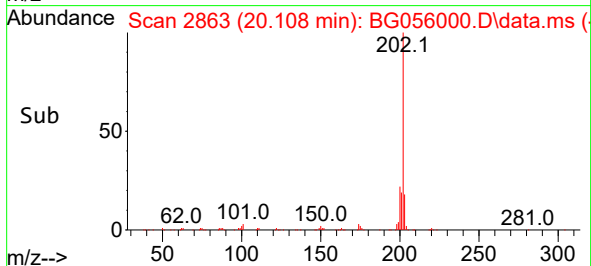
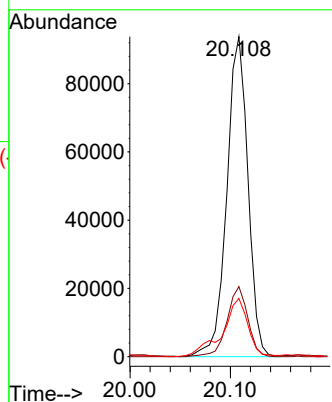
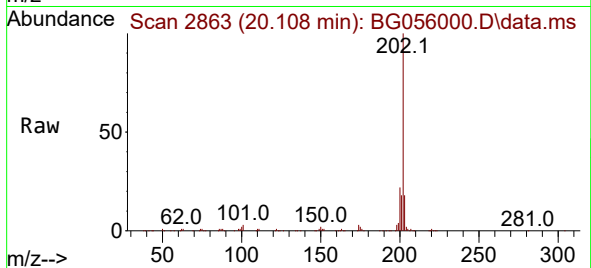
Tgt Ion:202 Resp: 136981

Ion Ratio Lower Upper

202 100

200 21.9 16.7 25.1

203 18.2 14.6 21.8



#79

Terphenyl-d14

Concen: 52.284 ng

RT: 20.291 min Scan# 2894

Delta R.T. -0.001 min

Lab File: BG056000.D

Acq: 16 Dec 2022 19:10

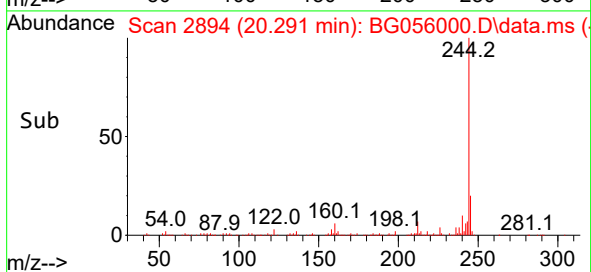
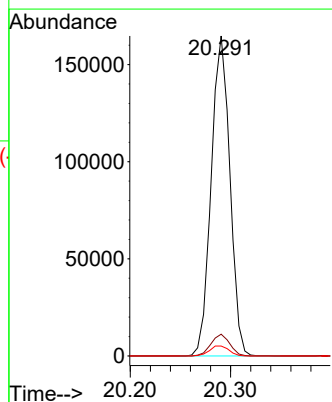
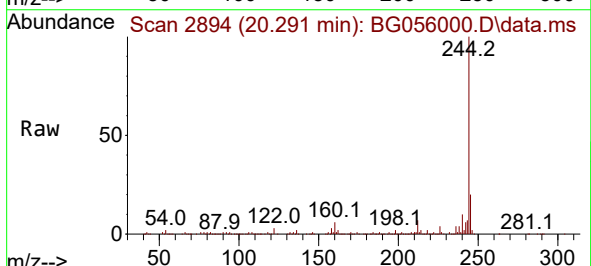
Tgt Ion:244 Resp: 213398

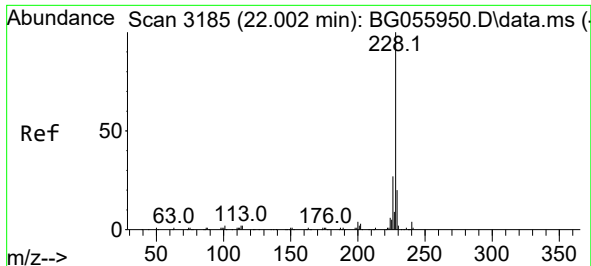
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 3.1 2.5 3.7

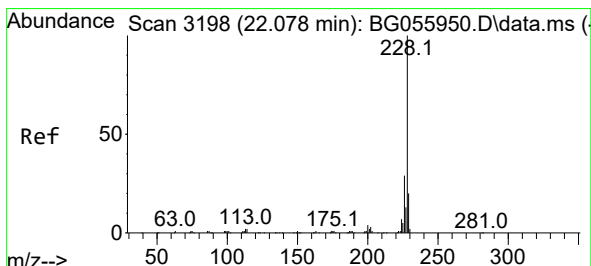
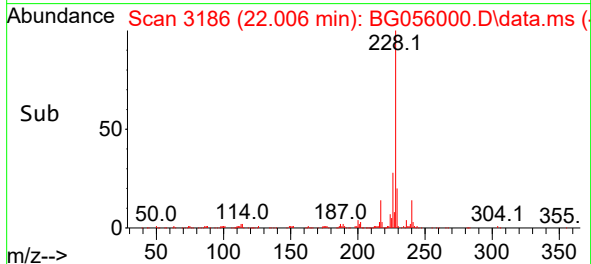
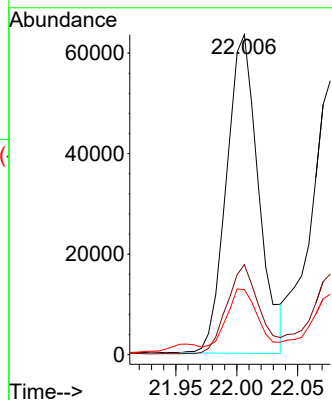
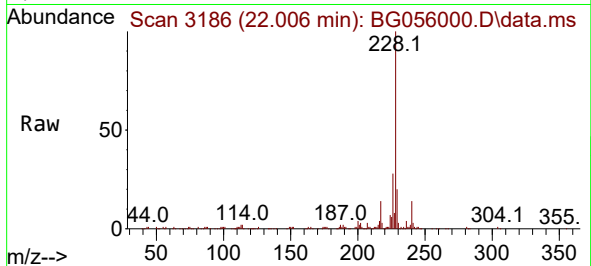




#81
Benzo(a)anthracene
Concen: 22.902 ng
RT: 22.006 min Scan# 3185
Delta R.T. -0.001 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

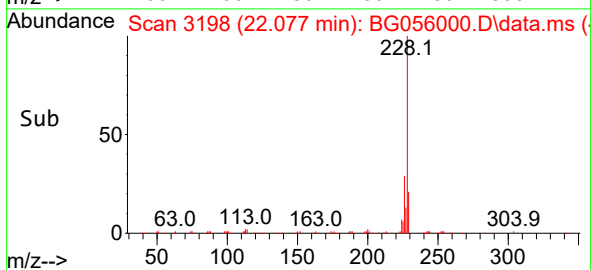
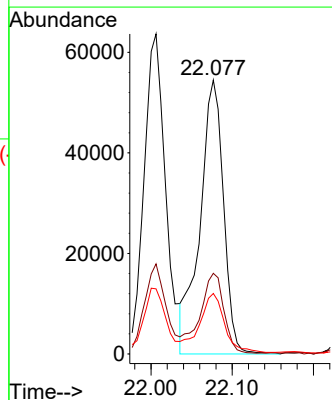
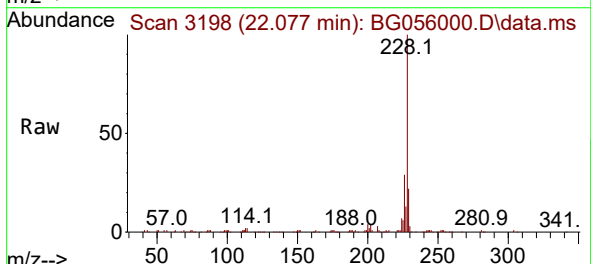
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)

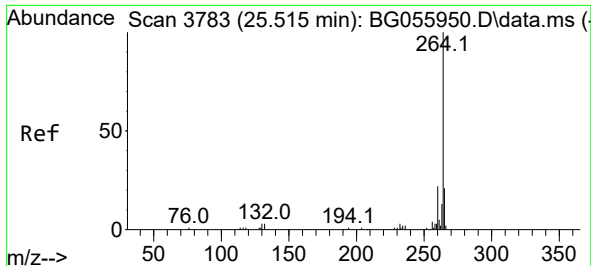
Tgt Ion:228 Resp: 116254
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.6
229 20.3 15.9 23.9



#83
Chrysene
Concen: 23.146 ng
RT: 22.077 min Scan# 3198
Delta R.T. -0.007 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion:228 Resp: 110115
Ion Ratio Lower Upper
228 100
226 29.4 23.1 34.7
229 22.1 15.7 23.5

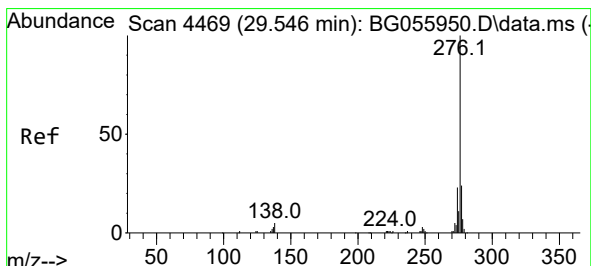
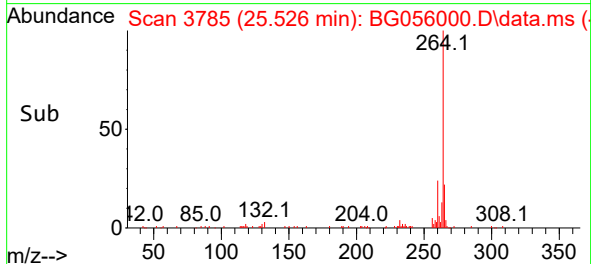
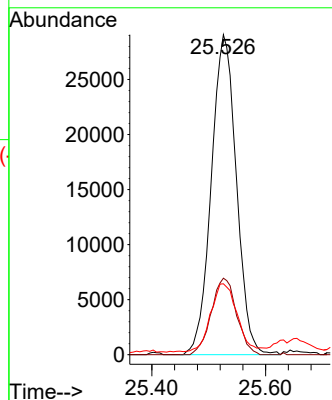
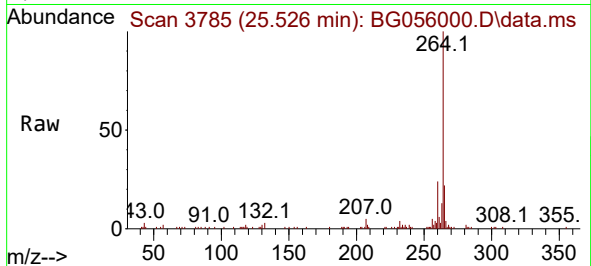




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.526 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

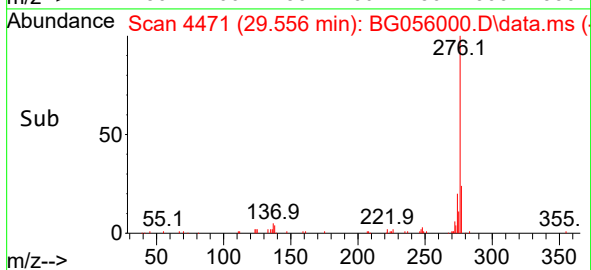
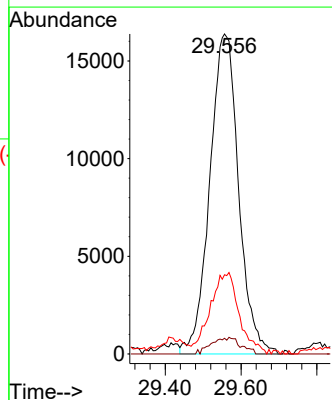
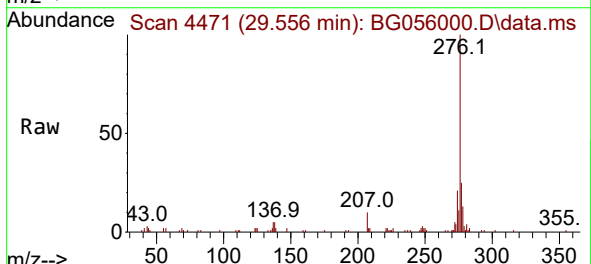
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)

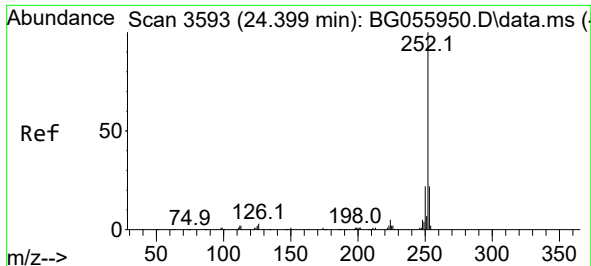
Tgt Ion:264 Resp: 89006
Ion Ratio Lower Upper
264 100
260 23.9 17.8 26.8
265 22.1 16.6 25.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 12.097 ng
RT: 29.556 min Scan# 4471
Delta R.T. -0.013 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion:276 Resp: 86583
Ion Ratio Lower Upper
276 100
138 5.3 3.0 4.4#
277 25.6 20.4 30.6

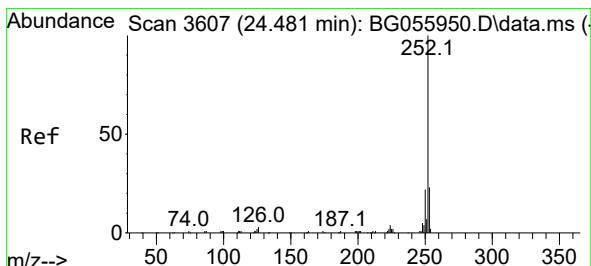
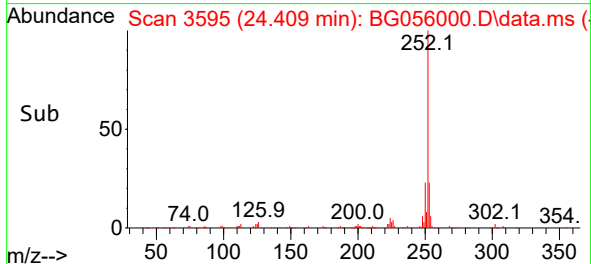
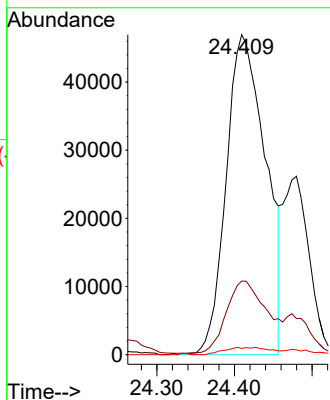
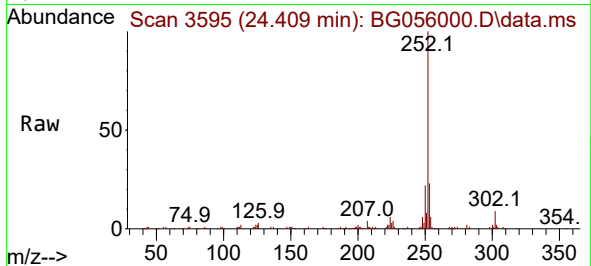




#88
Benzo(b)fluoranthene
Concen: 28.836 ng
RT: 24.409 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

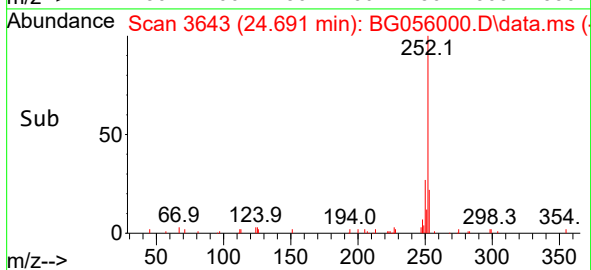
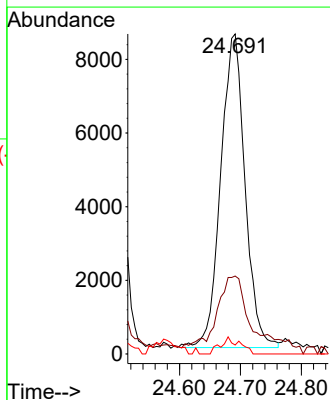
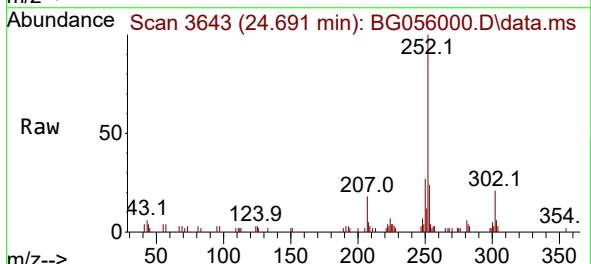
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)

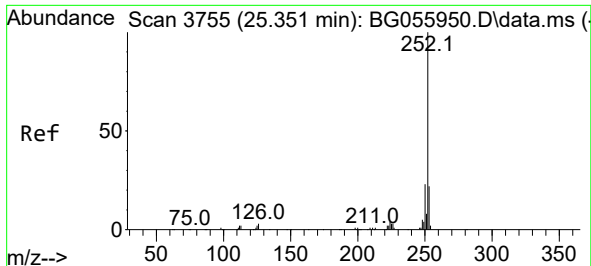
Tgt Ion:252 Resp: 166104
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 2.0 1.8 2.8



#89
Benzo(k)fluoranthene
Concen: 4.110 ng
RT: 24.691 min Scan# 3643
Delta R.T. 0.204 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion:252 Resp: 23623
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.2
125 2.8 2.0 3.0

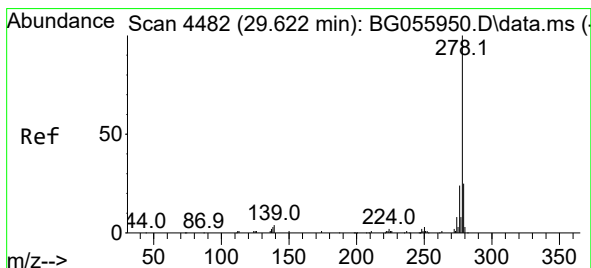
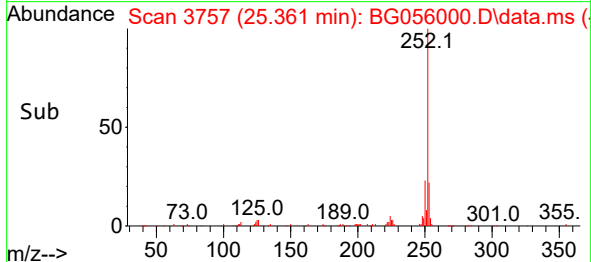
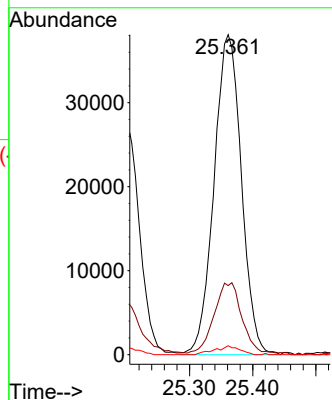
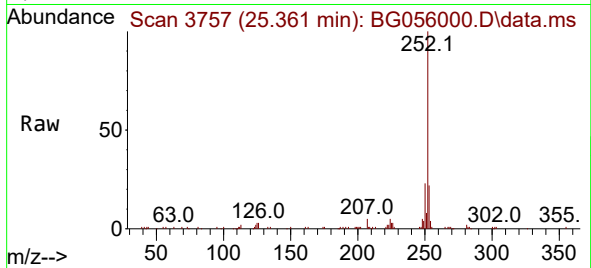




#90
Benzo(a)pyrene
Concen: 23.554 ng
RT: 25.361 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

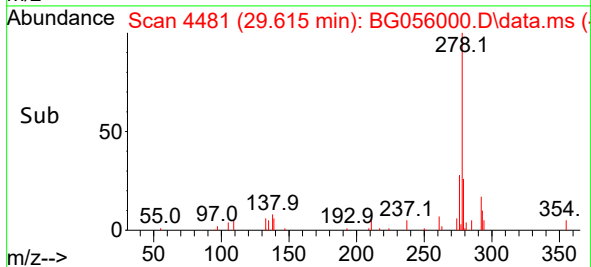
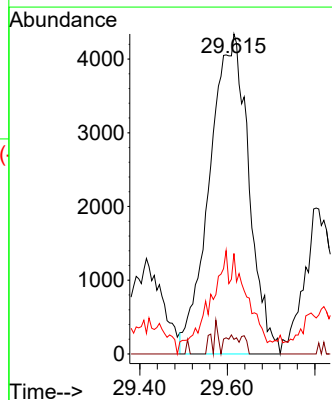
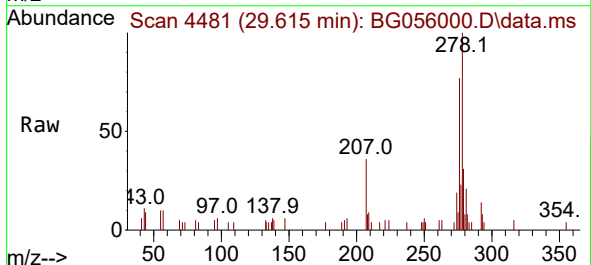
Instrument :
BNA_G
ClientSampleId :
RB-39-(0-2)

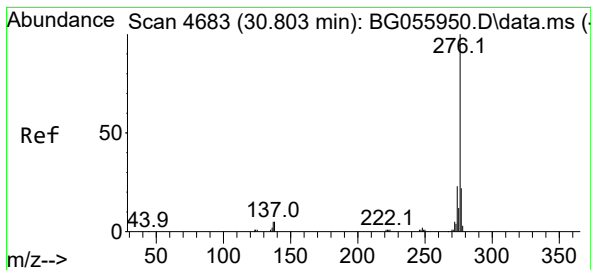
Tgt Ion:252 Resp: 114687
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 2.8 1.9 2.9



#91
Dibenzo(a,h)anthracene
Concen: 4.488 ng
RT: 29.615 min Scan# 4481
Delta R.T. -0.036 min
Lab File: BG056000.D
Acq: 16 Dec 2022 19:10

Tgt Ion:278 Resp: 26883
Ion Ratio Lower Upper
278 100
139 4.6 2.9 4.3#
279 31.4 20.0 30.0#





#92
 Benzo(g,h,i)perylene
 Concen: 12.913 ng
 RT: 30.819 min Scan# 4
 Delta R.T. -0.019 min
 Lab File: BG056000.D
 Acq: 16 Dec 2022 19:10

Instrument :
 BNA_G
 ClientSampleId :
 RB-39-(0-2)

Tgt Ion:276 Resp: 74794
 Ion Ratio Lower Upper
 276 100
 277 24.7 17.8 26.6
 138 5.5 3.8 5.6

