

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
 Data File : BG056002.D
 Acq On : 16 Dec 2022 20:33
 Operator : CG/JU
 Sample : N6038-27
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-42-(3-5)

Quant Time: Dec 17 01:24:59 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)

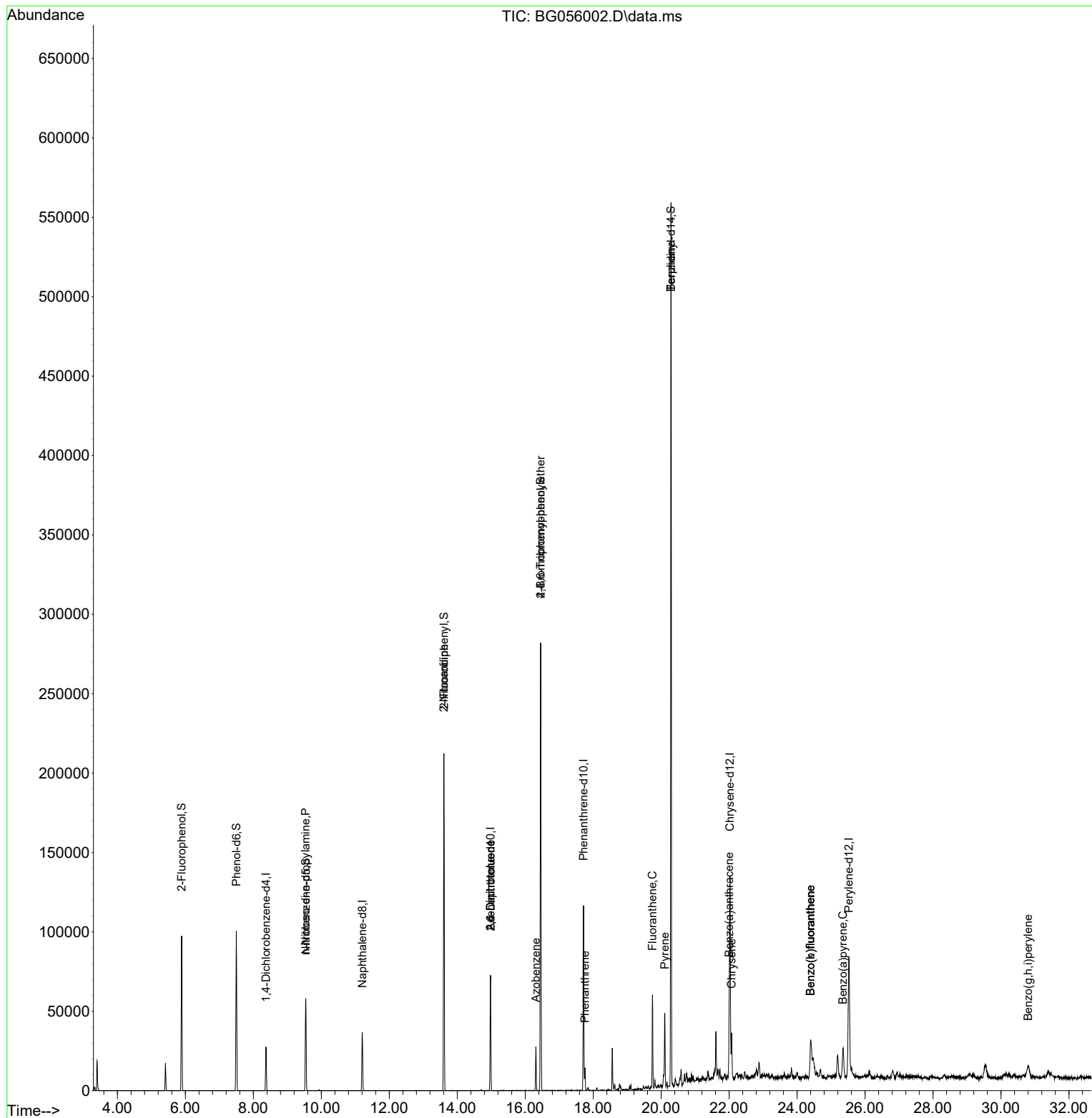
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.370	152	9127	20.000	ng	0.00
21) Naphthalene-d8	11.207	136	32935	20.000	ng	# 0.00
39) Acenaphthene-d10	14.980	164	28493	20.000	ng	0.00
64) Phenanthrene-d10	17.717	188	84713	20.000	ng	0.00
76) Chrysene-d12	22.024	240	85557	20.000	ng	0.00
86) Perylene-d12	25.526	264	103491	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.890	112	39520	101.546	ng	0.00
7) Phenol-d6	7.500	99	47345	94.588	ng	0.00
23) Nitrobenzene-d5	9.545	82	31281	66.373	ng	0.00
42) 2,4,6-Tribromophenol	16.454	330	75971	110.575	ng	0.00
45) 2-Fluorobiphenyl	13.611	172	119294	58.719	ng	0.00
79) Terphenyl-d14	20.291	244	312985	64.655	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.539	70	4822	13.440	ng	# 62
48) 2-Nitroaniline	13.605	65	60	2.997	ng	# 1
51) 2,6-Dinitrotoluene	14.980	165	3779	9.913	ng	# 25
57) 2,4-Dinitrotoluene	14.980	165	3779	6.567	ng	# 35
63) Azobenzene	16.313	77	6891	4.702	ng	# 1
67) 4-Bromophenyl-phenylether	16.454	248	4174	3.363	ng	# 1
71) Phenanthrene	17.759	178	11245	2.533	ng	98
75) Fluoranthene	19.744	202	42065	6.767	ng	98
77) Benzidine	20.291	184	4597	3.060	ng	# 93
78) Pyrene	20.109	202	35541	6.865	ng	98
81) Benzo(a)anthracene	22.001	228	25485	4.233	ng	99
83) Chrysene	22.071	228	24344	4.314	ng	96
88) Benzo(b)fluoranthene	24.398	252	40330	6.021	ng	96
89) Benzo(k)fluoranthene	24.398	252	40330	6.035	ng	98
90) Benzo(a)pyrene	25.350	252	26158	4.620	ng	# 100
92) Benzo(g,h,i)perylene	30.802	276	18921	2.809	ng	# 86

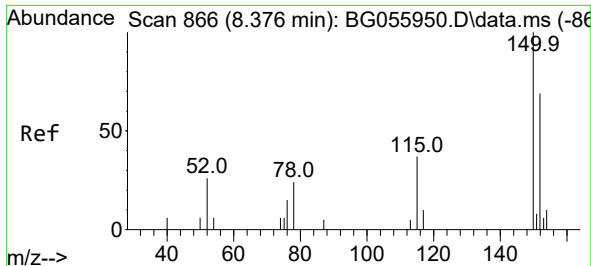
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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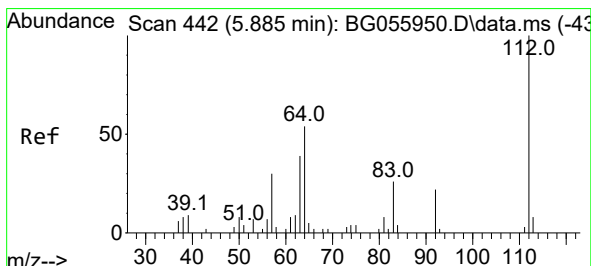
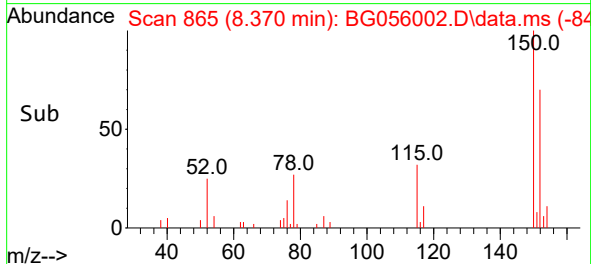
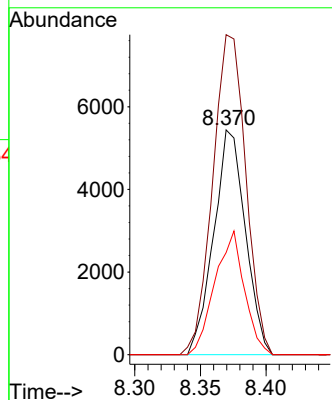
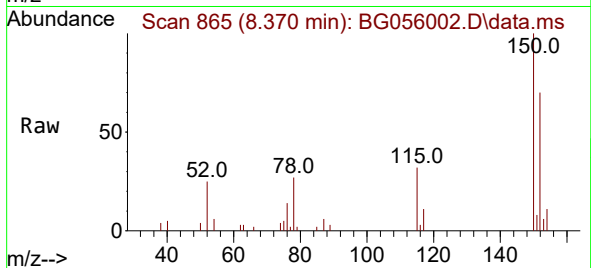




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.370 min Scan# 866
Delta R.T. -0.006 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

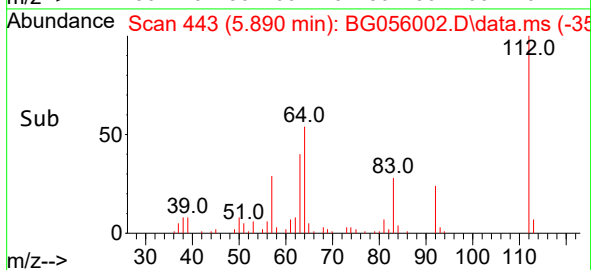
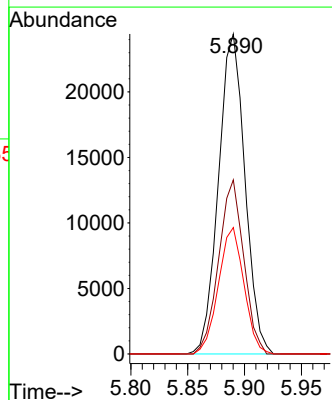
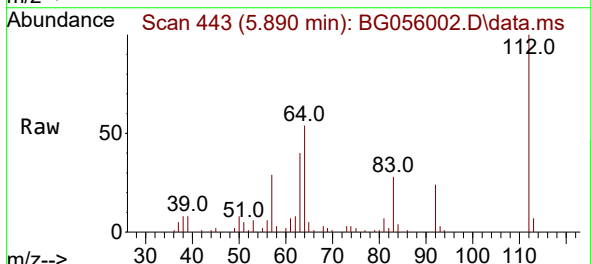
Instrument :
BNA_G
ClientSampleId :
RB-42-(3-5)

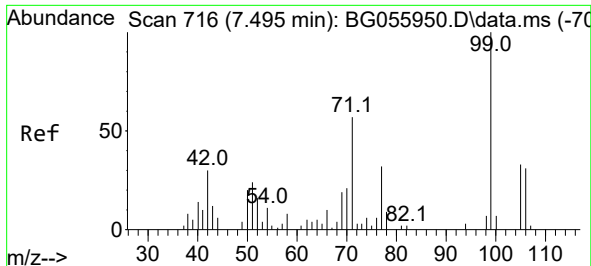
Tgt Ion:152 Resp: 9127
Ion Ratio Lower Upper
152 100
150 142.3 115.7 173.5
115 45.4 43.0 64.4



#5
2-Fluorophenol
Concen: 101.546 ng
RT: 5.890 min Scan# 443
Delta R.T. 0.005 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

Tgt Ion:112 Resp: 39520
Ion Ratio Lower Upper
112 100
64 54.4 43.0 64.4
63 39.5 31.4 47.2

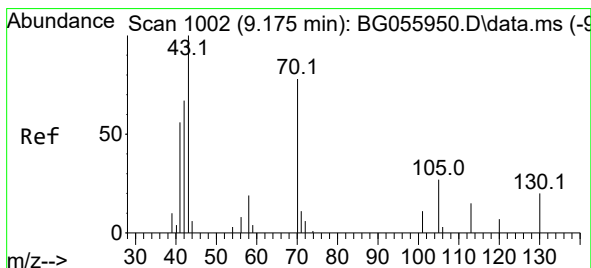
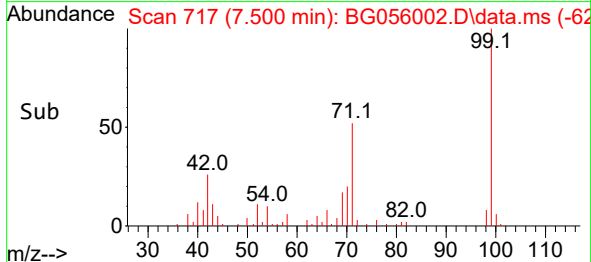
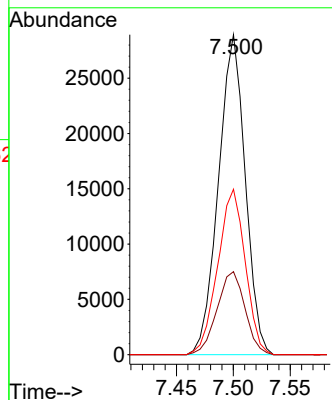
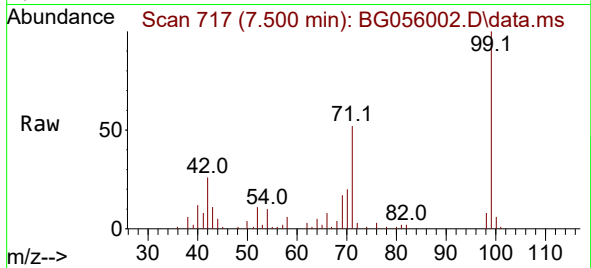




#7
Phenol-d6
Concen: 94.588 ng
RT: 7.500 min Scan# 716
Delta R.T. -0.001 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

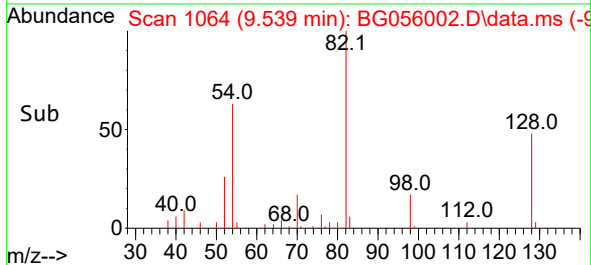
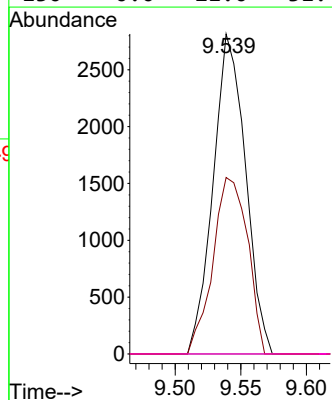
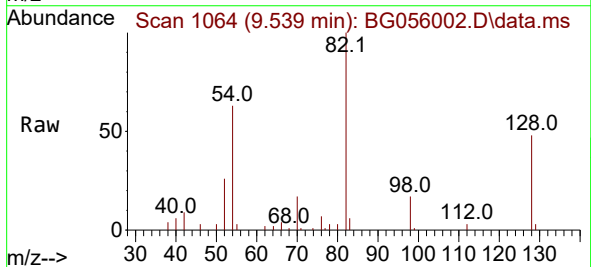
Instrument :
BNA_G
ClientSampleId :
RB-42-(3-5)

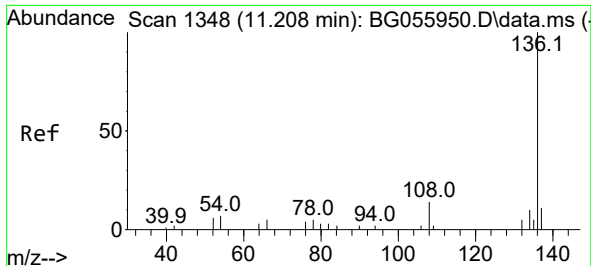
Tgt Ion: 99 Resp: 47345
Ion Ratio Lower Upper
99 100
42 26.0 24.3 36.5
71 51.7 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.440 ng
RT: 9.539 min Scan# 1064
Delta R.T. 0.363 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

Tgt Ion: 70 Resp: 4822
Ion Ratio Lower Upper
70 100
42 55.2 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

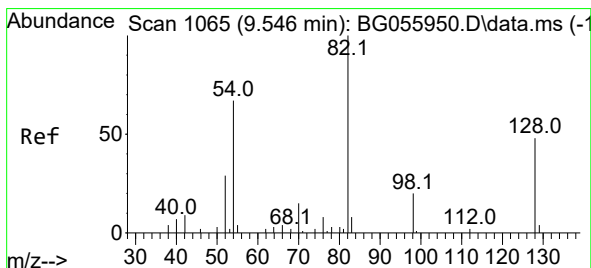
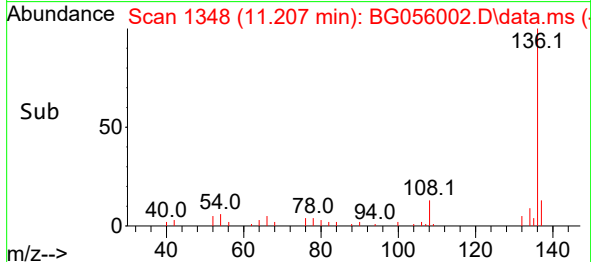
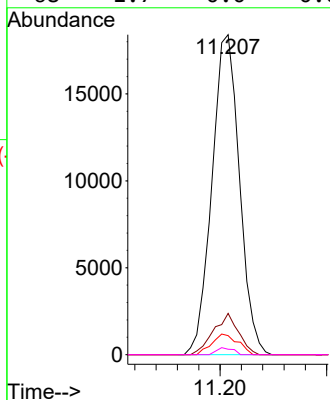
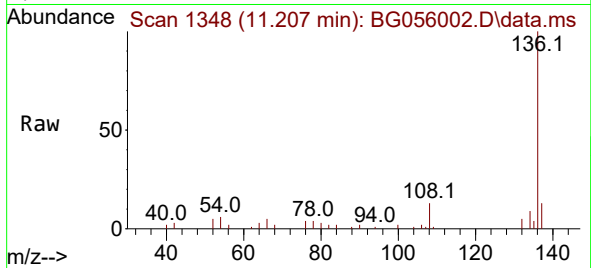




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.207 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

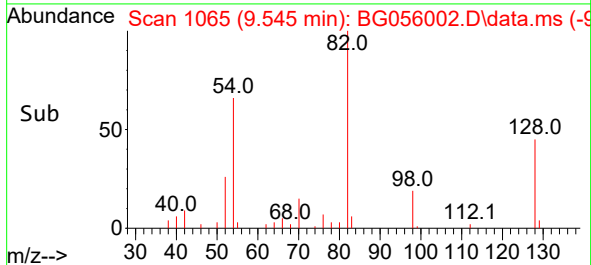
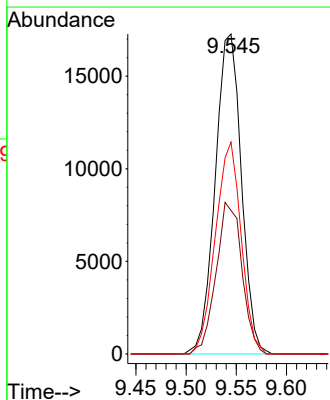
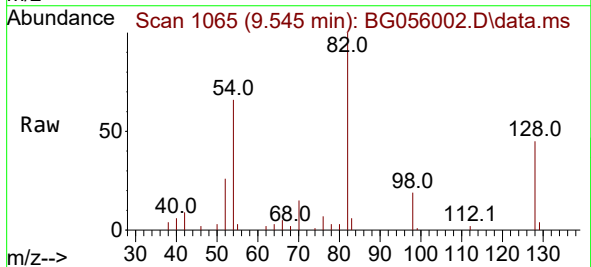
Instrument :
BNA_G
ClientSampleId :
RB-42-(3-5)

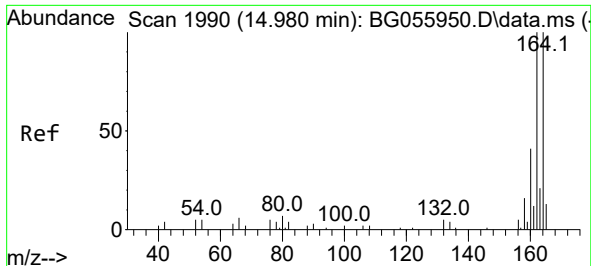
Tgt Ion:	136	Resp:	32935
Ion Ratio	Lower	Upper	
136	100		
137	12.9	9.2	13.8
54	6.0	5.6	8.4
68	1.7	0.0	0.0



#23
Nitrobenzene-d5
Concen: 66.373 ng
RT: 9.545 min Scan# 1065
Delta R.T. -0.001 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

Tgt Ion:	82	Resp:	31281
Ion Ratio	Lower	Upper	
82	100		
128	44.8	38.4	57.6
54	66.2	53.3	79.9

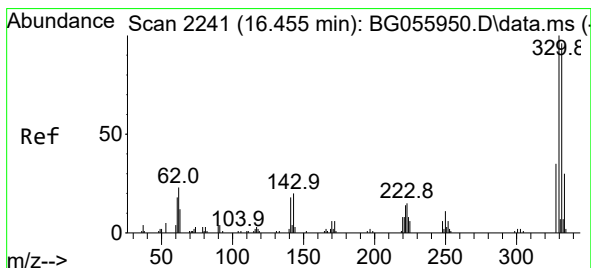
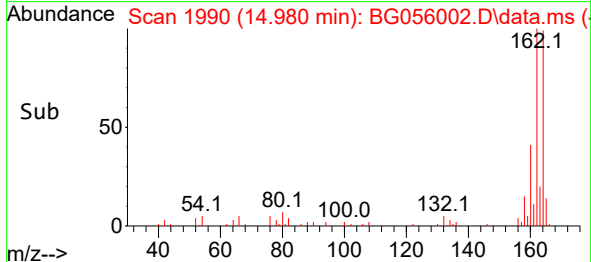
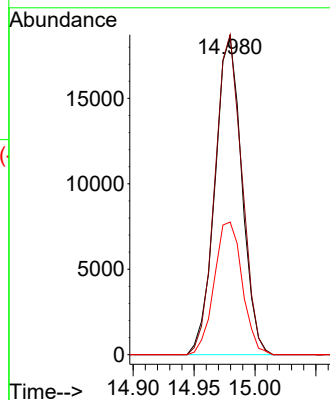
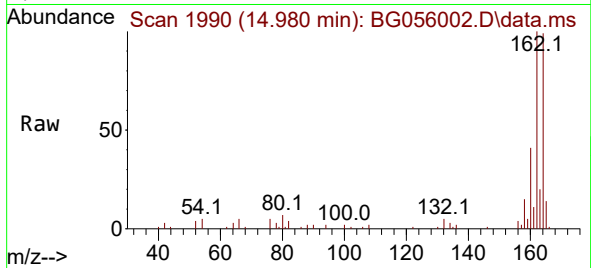




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.980 min Scan# 1990
Delta R.T. -0.001 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

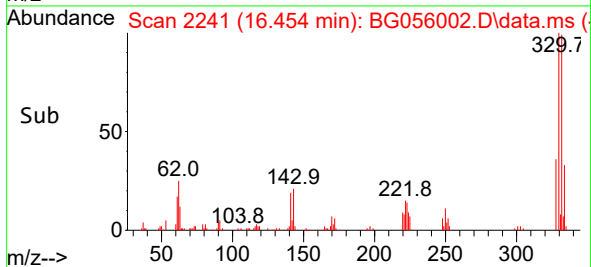
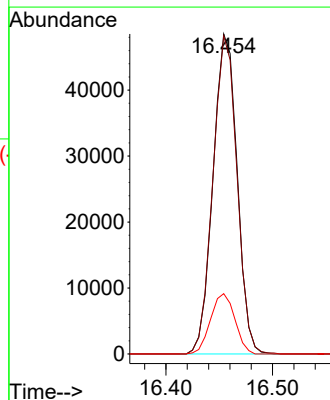
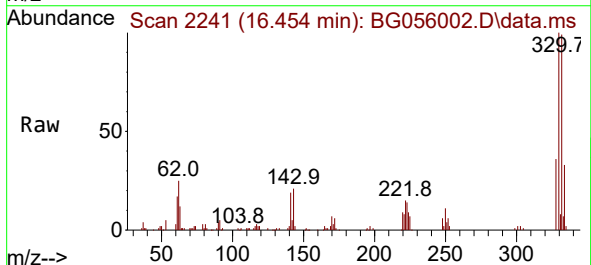
Instrument :
BNA_G
ClientSampleId :
RB-42-(3-5)

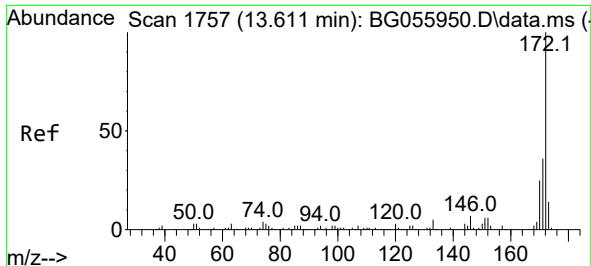
Tgt Ion:164 Resp: 28493
Ion Ratio Lower Upper
164 100
162 100.6 79.8 119.8
160 41.7 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 110.575 ng
RT: 16.454 min Scan# 2241
Delta R.T. -0.007 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

Tgt Ion:330 Resp: 75971
Ion Ratio Lower Upper
330 100
332 99.1 76.6 114.8
141 19.0 15.0 22.4

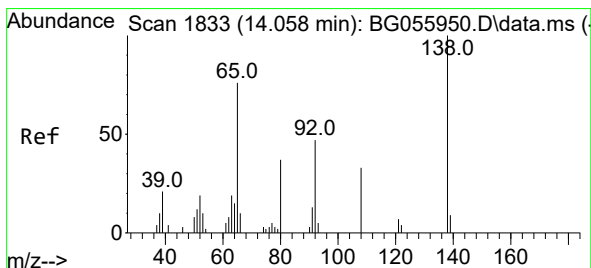
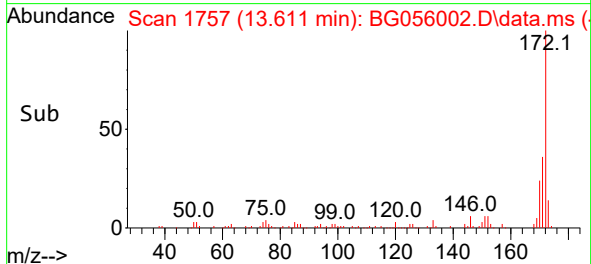
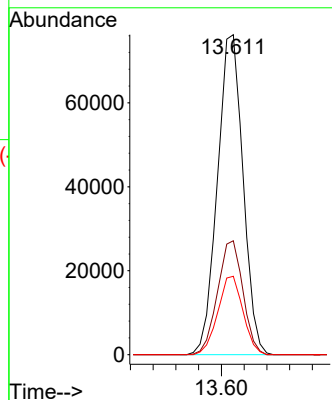
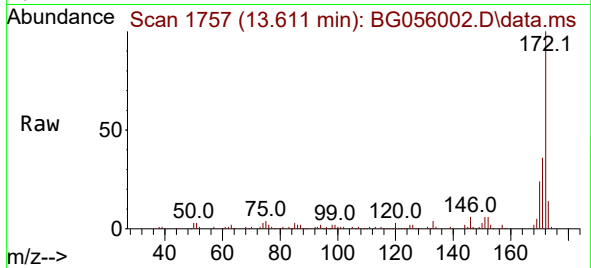




#45
2-Fluorobiphenyl
Concen: 58.719 ng
RT: 13.611 min Scan# 1756
Delta R.T. -0.001 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

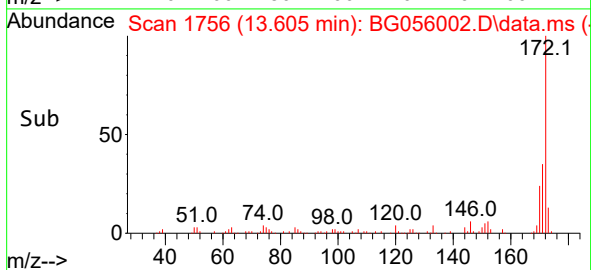
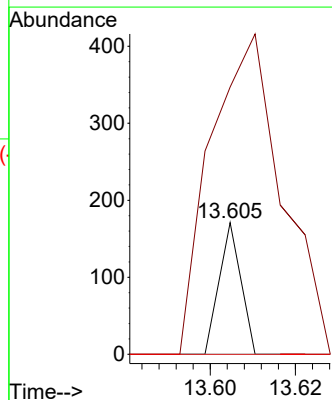
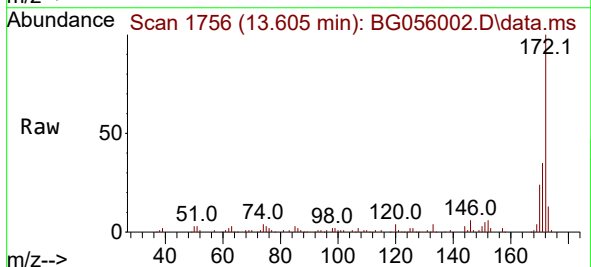
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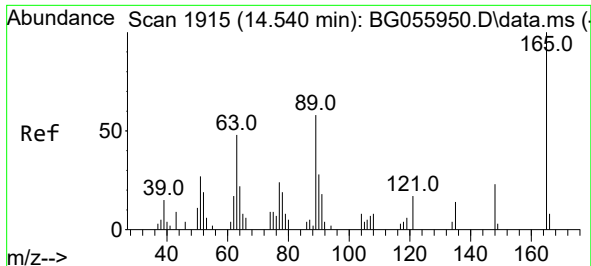
Tgt Ion:172 Resp: 119294
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 24.5 19.9 29.9



#48
2-Nitroaniline
Concen: 2.997 ng
RT: 13.605 min Scan# 1756
Delta R.T. -0.453 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

Tgt Ion: 65 Resp: 60
Ion Ratio Lower Upper
65 100
92 202.9 49.7 74.5#
138 0.0 105.0 157.6#

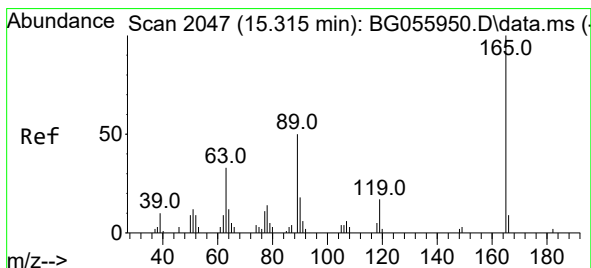
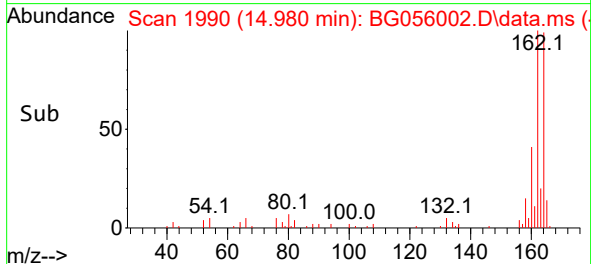
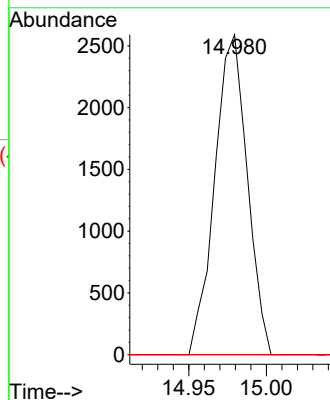
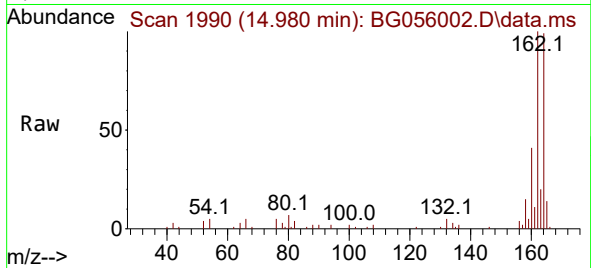




#51
2,6-Dinitrotoluene
Concen: 9.913 ng
RT: 14.980 min Scan# 1990
Delta R.T. 0.434 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

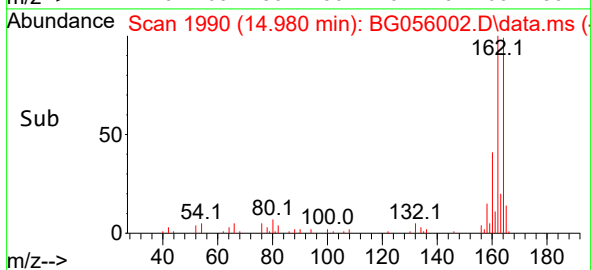
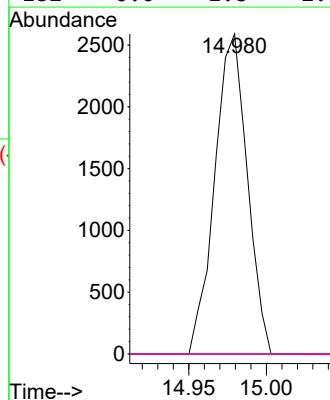
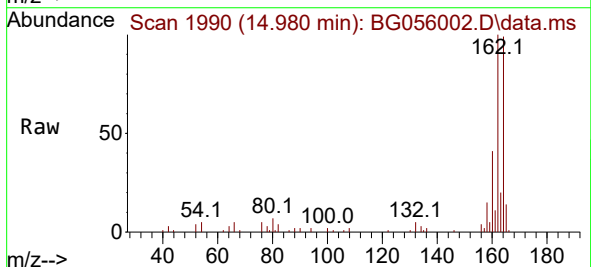
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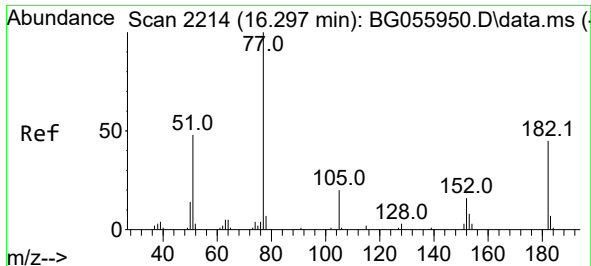
Tgt Ion:165 Resp: 3779
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#



#57
2,4-Dinitrotoluene
Concen: 6.567 ng
RT: 14.980 min Scan# 1990
Delta R.T. -0.342 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

Tgt Ion:165 Resp: 3779
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#

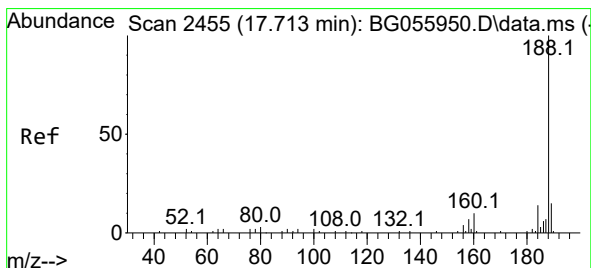
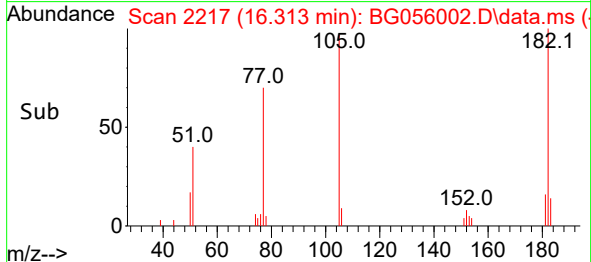
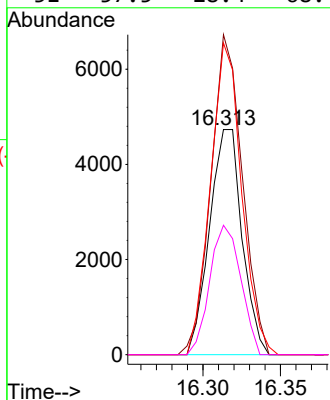
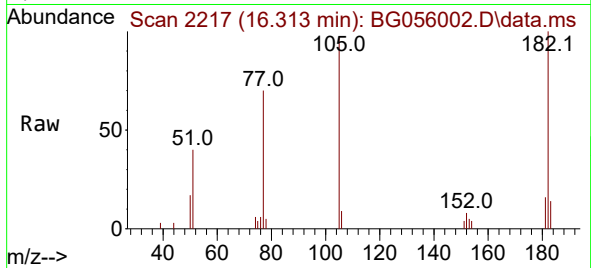




#63
 Azobenzene
 Concen: 4.702 ng
 RT: 16.313 min Scan# 21
 Delta R.T. 0.017 min
 Lab File: BG056002.D
 Acq: 16 Dec 2022 20:33

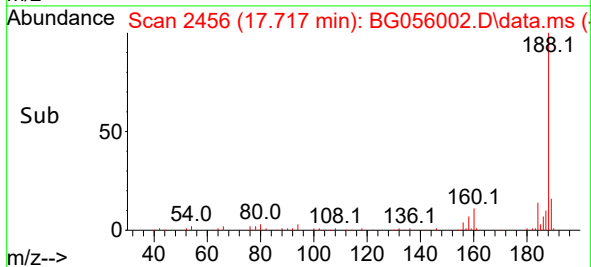
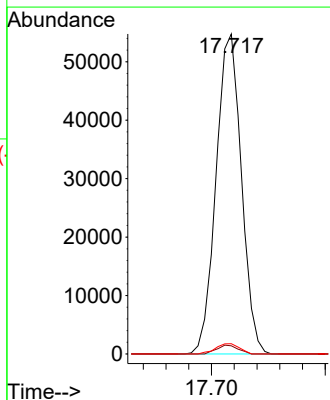
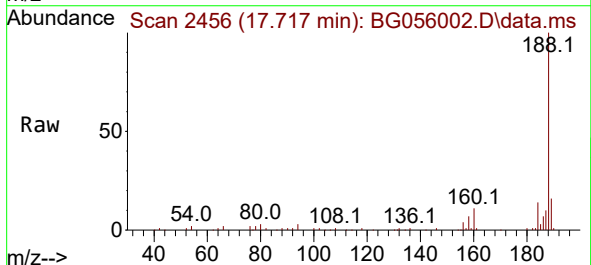
Instrument :
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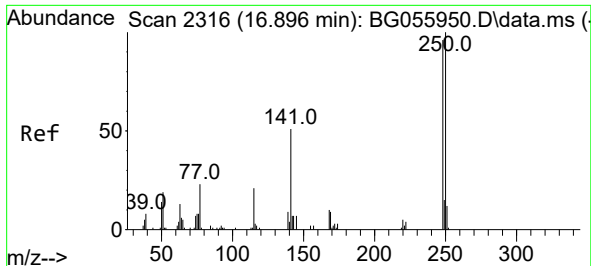
Tgt Ion: 77 Resp: 6891
 Ion Ratio Lower Upper
 77 100
 182 142.1 24.7 64.7#
 105 138.4 0.3 40.3#
 51 57.5 28.4 68.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.717 min Scan# 2456
 Delta R.T. -0.001 min
 Lab File: BG056002.D
 Acq: 16 Dec 2022 20:33

Tgt Ion:188 Resp: 84713
 Ion Ratio Lower Upper
 188 100
 94 2.5 1.8 2.8
 80 3.2 2.4 3.6

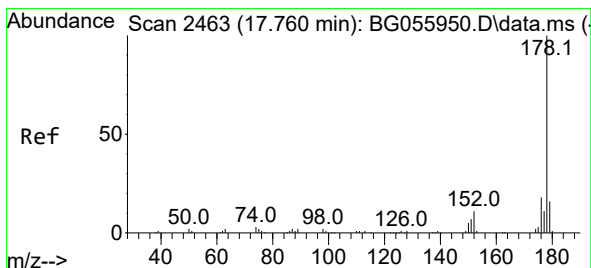
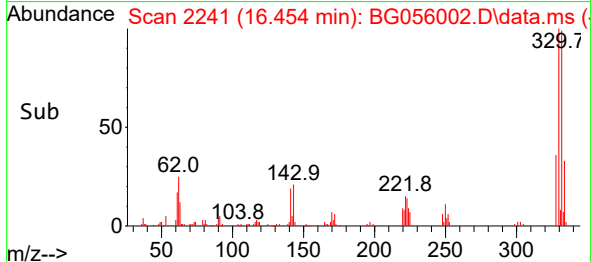
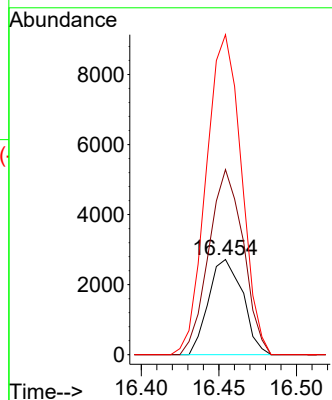
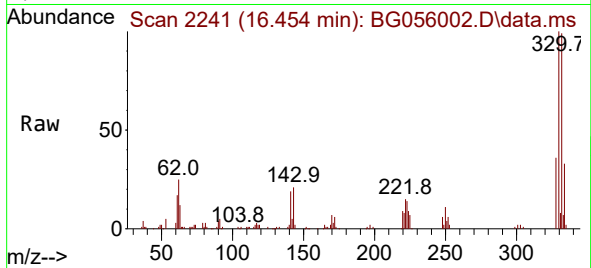




#67
4-Bromophenyl-phenylether
Concen: 3.363 ng
RT: 16.454 min Scan# 21
Delta R.T. -0.447 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

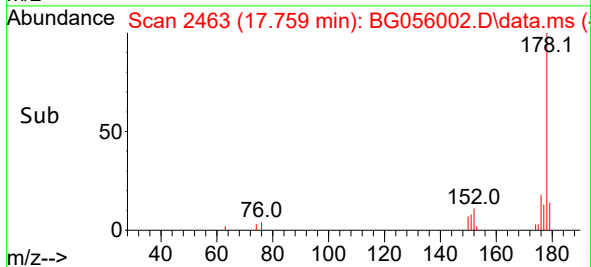
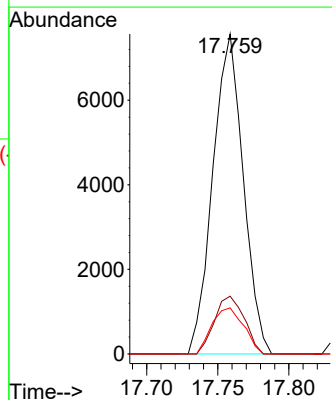
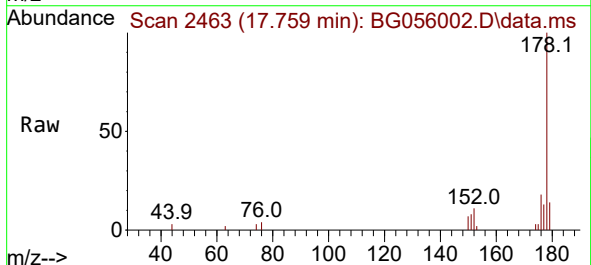
Instrument :
BNA_G
ClientSampleId :
RB-42-(3-5)

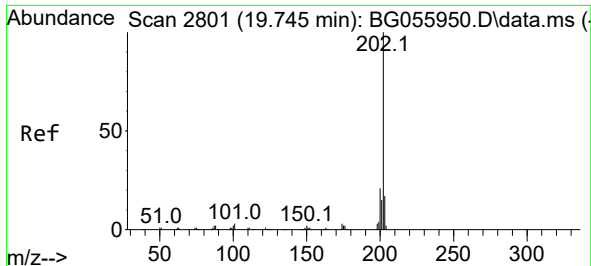
Tgt Ion:248 Resp: 4174
Ion Ratio Lower Upper
248 100
250 147.7 83.0 124.6#
141 255.2 42.6 64.0#



#71
Phenanthrene
Concen: 2.533 ng
RT: 17.759 min Scan# 2463
Delta R.T. -0.001 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

Tgt Ion:178 Resp: 11245
Ion Ratio Lower Upper
178 100
176 18.1 14.4 21.6
179 14.4 12.7 19.1

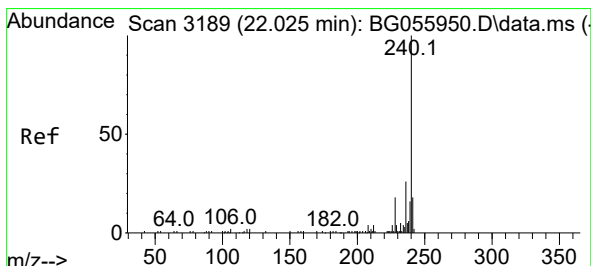
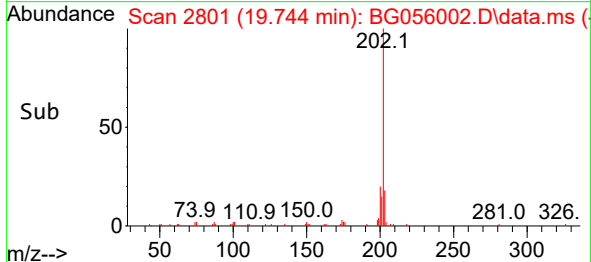
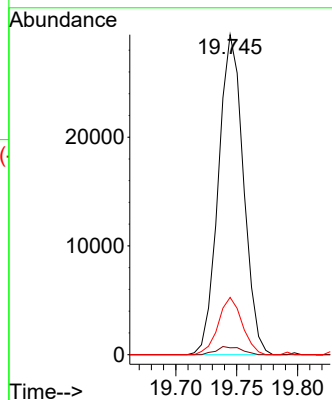
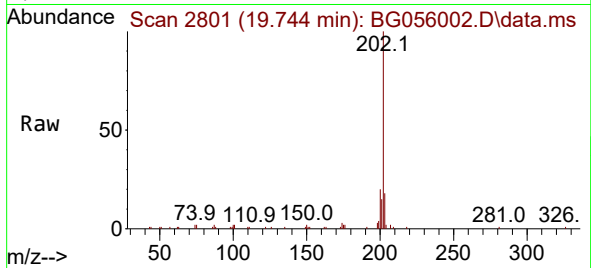




#75
Fluoranthene
Concen: 6.767 ng
RT: 19.744 min Scan# 2801
Delta R.T. -0.007 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

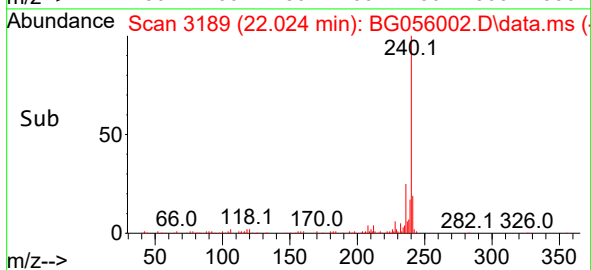
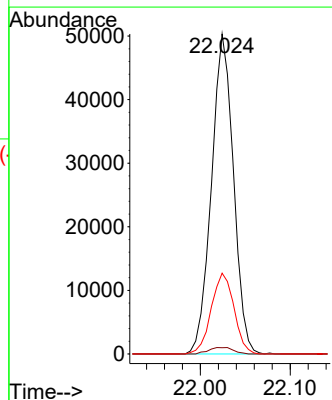
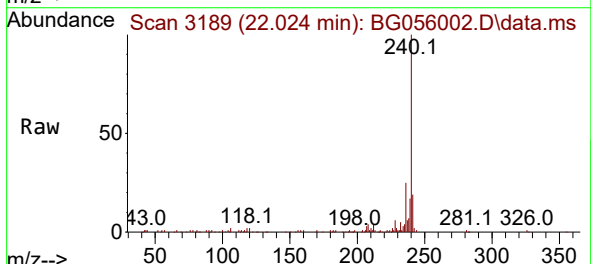
Instrument :
BNA_G
ClientSampleId :
RB-42-(3-5)

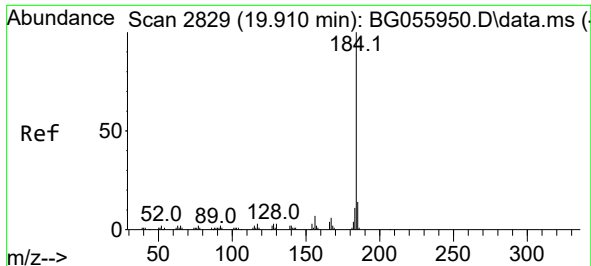
Tgt Ion:202 Resp: 42065
Ion Ratio Lower Upper
202 100
101 2.2 0.0 22.6
203 17.9 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.024 min Scan# 3189
Delta R.T. -0.007 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

Tgt Ion:240 Resp: 85557
Ion Ratio Lower Upper
240 100
120 1.9 1.7 2.5
236 25.2 21.1 31.7

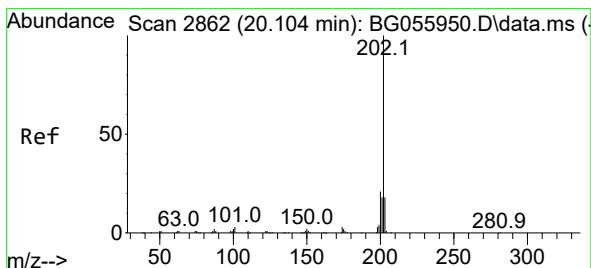
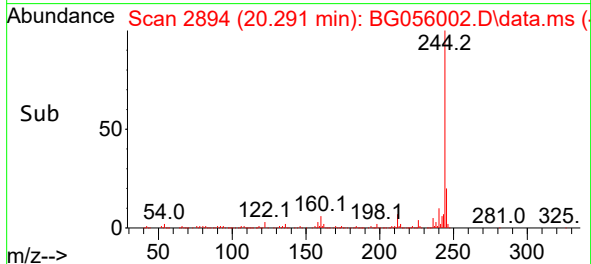
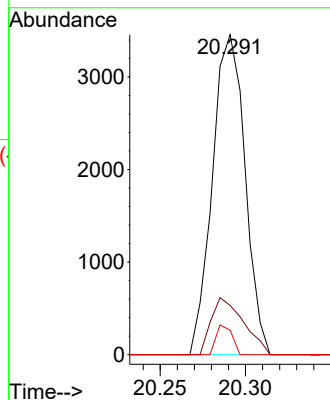
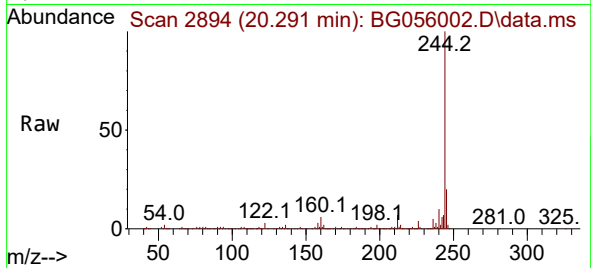




#77
Benzidine
Concen: 3.060 ng
RT: 20.291 min Scan# 2894
Delta R.T. 0.375 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

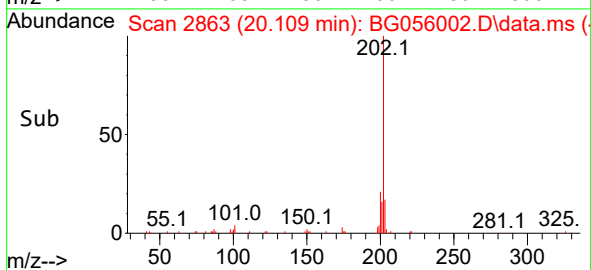
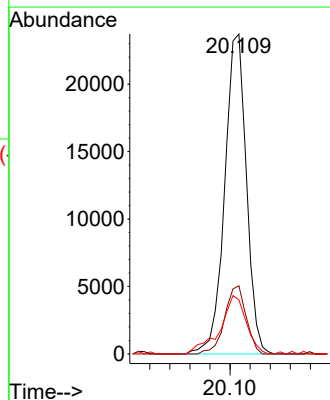
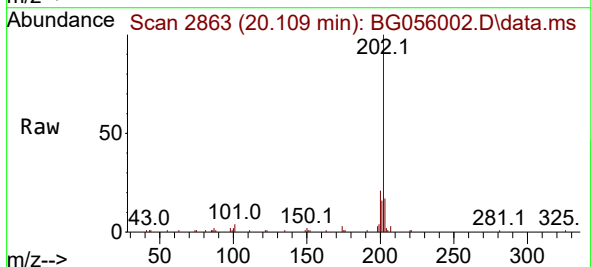
Instrument :
BNA_G
ClientSampleId :
RB-42-(3-5)

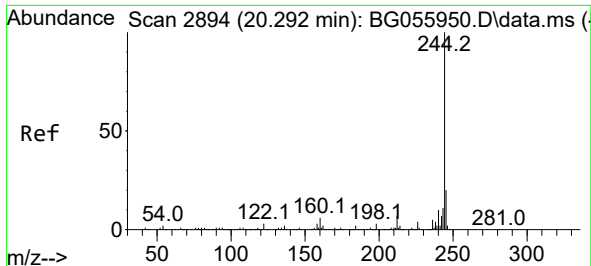
Tgt Ion:184 Resp: 4597
Ion Ratio Lower Upper
184 100
185 15.4 10.9 16.3
183 7.7 9.2 13.8#



#78
Pyrene
Concen: 6.865 ng
RT: 20.109 min Scan# 2863
Delta R.T. -0.001 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

Tgt Ion:202 Resp: 35541
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 16.9 14.6 21.8

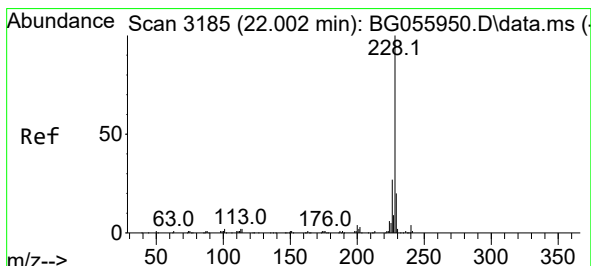
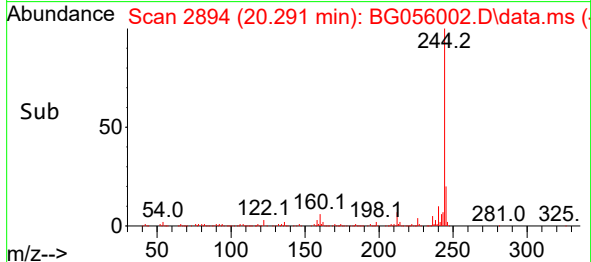
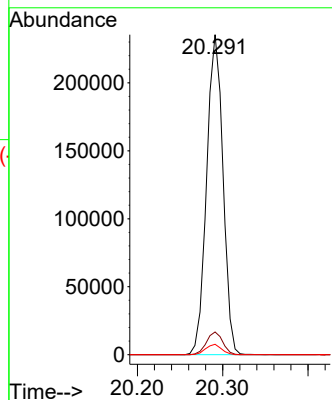
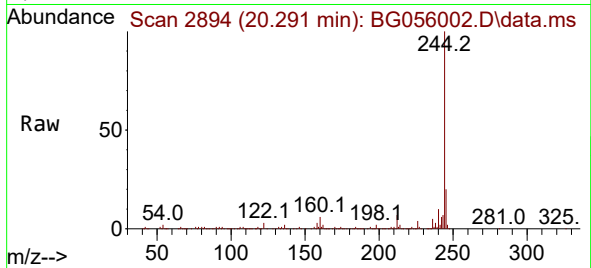




#79
 Terphenyl-d14
 Concen: 64.655 ng
 RT: 20.291 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG056002.D
 Acq: 16 Dec 2022 20:33

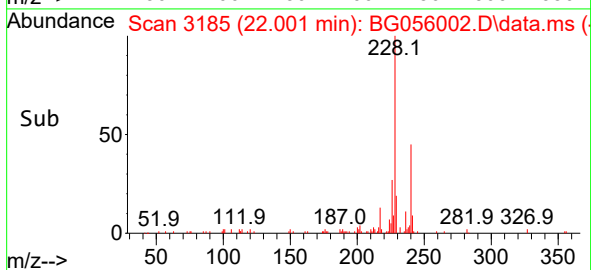
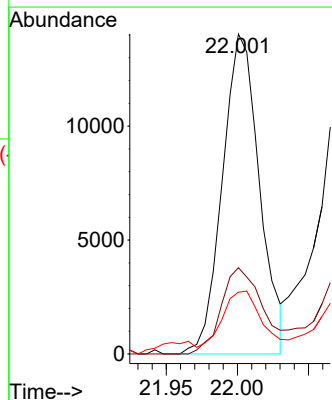
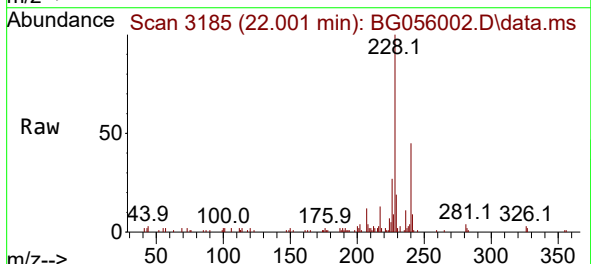
Instrument :
 BNA_G
 ClientSampleId :
 RB-42-(3-5)

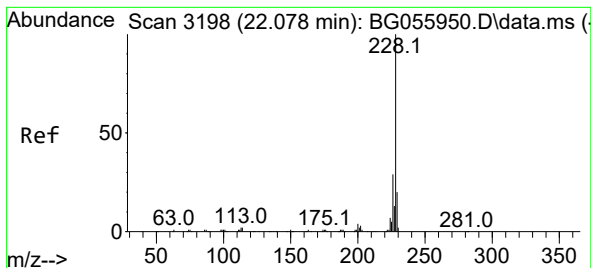
Tgt Ion:244 Resp: 312985
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 3.3 2.5 3.7



#81
 Benzo(a)anthracene
 Concen: 4.233 ng
 RT: 22.001 min Scan# 3185
 Delta R.T. -0.007 min
 Lab File: BG056002.D
 Acq: 16 Dec 2022 20:33

Tgt Ion:228 Resp: 25485
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.8 32.6
 229 19.3 15.9 23.9





#83

Chrysene

Concen: 4.314 ng

RT: 22.071 min Scan# 3198

Delta R.T. -0.013 min

Lab File: BG056002.D

Acq: 16 Dec 2022 20:33

Instrument :

BNA_G

ClientSampleId :

RB-42-(3-5)

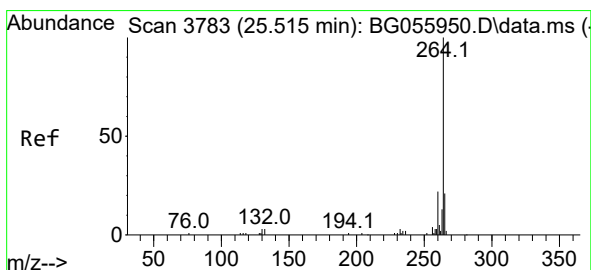
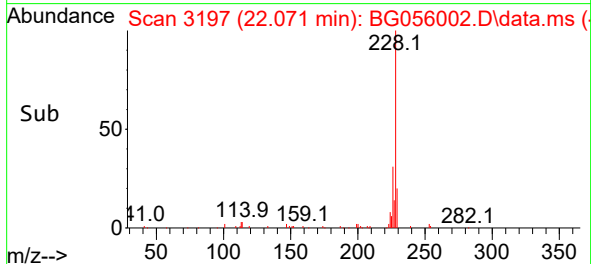
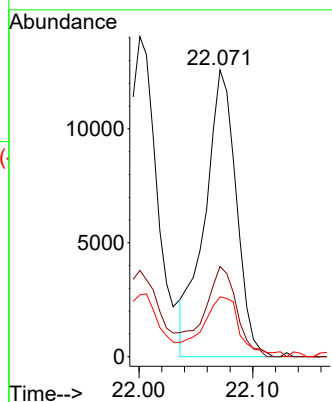
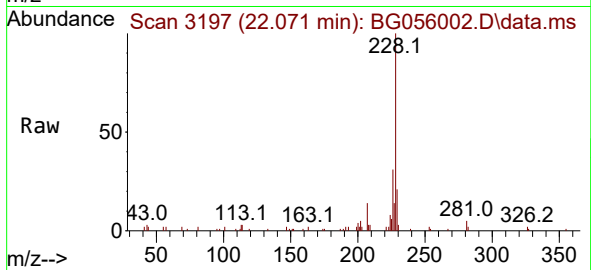
Tgt Ion:228 Resp: 24344

Ion Ratio Lower Upper

228 100

226 31.5 23.1 34.7

229 20.9 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.526 min Scan# 3785

Delta R.T. -0.007 min

Lab File: BG056002.D

Acq: 16 Dec 2022 20:33

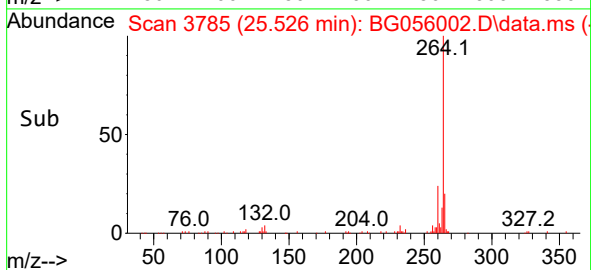
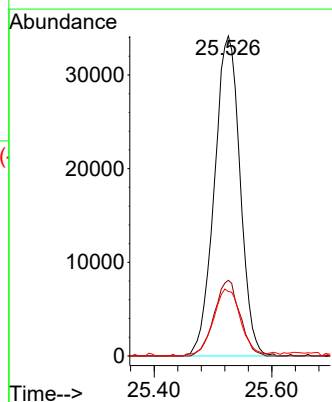
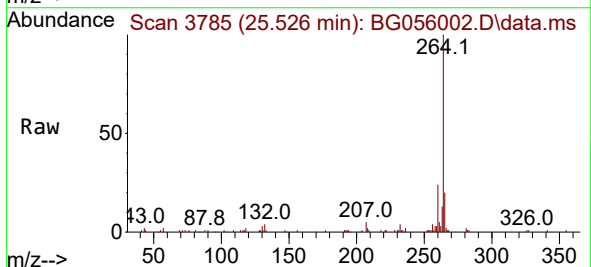
Tgt Ion:264 Resp: 103491

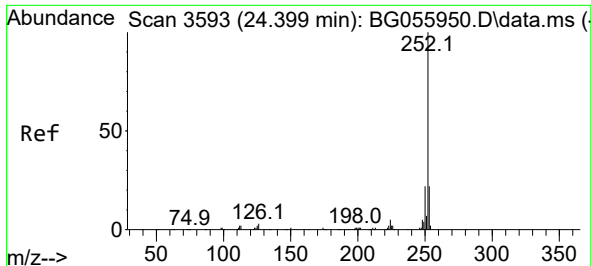
Ion Ratio Lower Upper

264 100

260 23.6 17.8 26.8

265 20.2 16.6 25.0

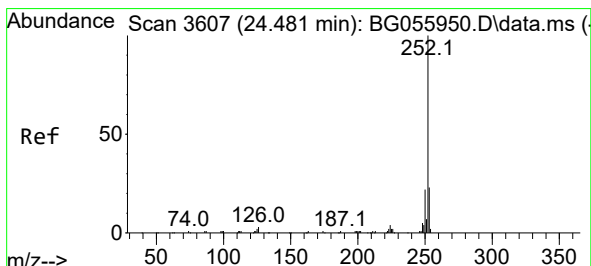
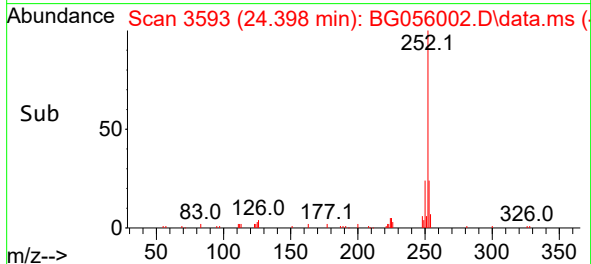
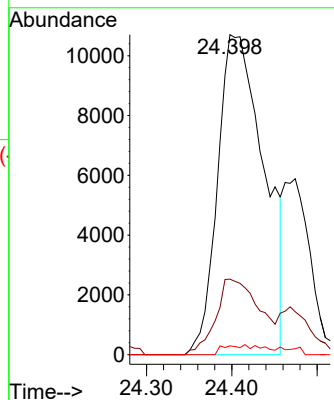
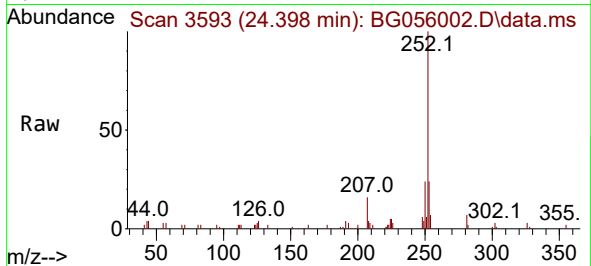




#88
Benzo(b)fluoranthene
Concen: 6.021 ng
RT: 24.398 min Scan# 3593
Delta R.T. -0.018 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

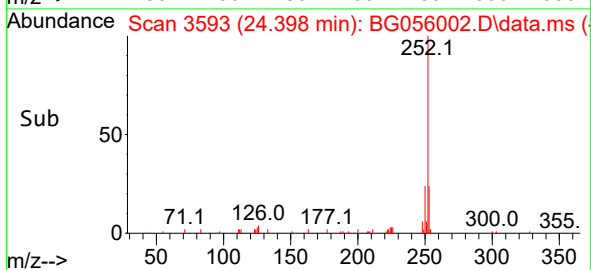
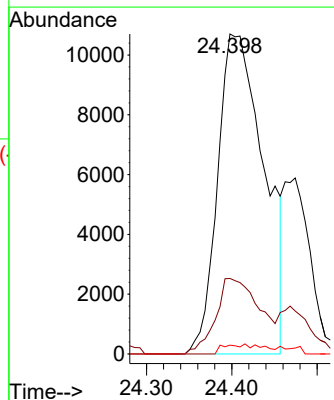
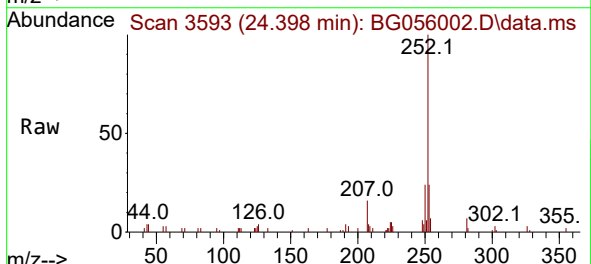
Instrument :
BNA_G
ClientSampleId :
RB-42-(3-5)

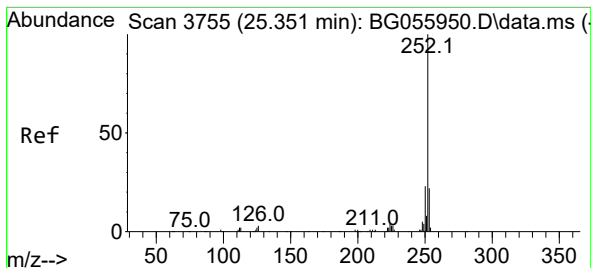
Tgt Ion:252 Resp: 40330
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 2.7 1.8 2.8



#89
Benzo(k)fluoranthene
Concen: 6.035 ng
RT: 24.398 min Scan# 3593
Delta R.T. -0.089 min
Lab File: BG056002.D
Acq: 16 Dec 2022 20:33

Tgt Ion:252 Resp: 40330
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 2.7 2.0 3.0





#90

Benzo(a)pyrene

Concen: 4.620 ng

RT: 25.350 min Scan# 31

Delta R.T. -0.024 min

Lab File: BG056002.D

Acq: 16 Dec 2022 20:33

Instrument :

BNA_G

ClientSampleId :

RB-42-(3-5)

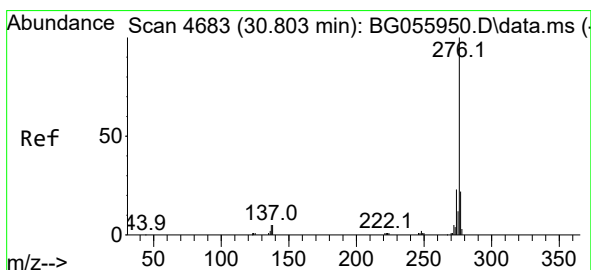
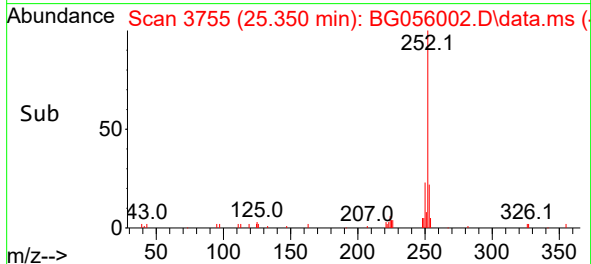
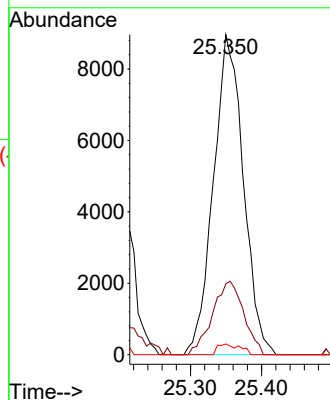
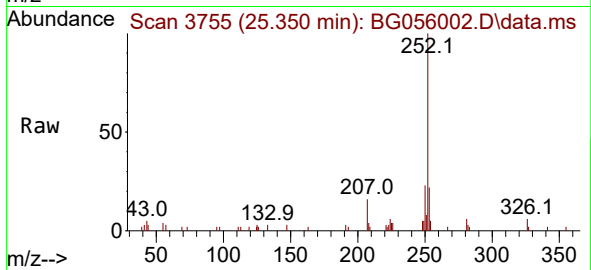
Tgt Ion:252 Resp: 26158

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 3.3 1.9 2.9#



#92

Benzo(g,h,i)perylene

Concen: 2.809 ng

RT: 30.802 min Scan# 4683

Delta R.T. -0.036 min

Lab File: BG056002.D

Acq: 16 Dec 2022 20:33

Tgt Ion:276 Resp: 18921

Ion Ratio Lower Upper

276 100

277 28.9 17.8 26.6#

138 0.0 3.8 5.6#

