

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
 Data File : BG056016.D
 Acq On : 19 Dec 2022 16:46
 Operator : CG/JU
 Sample : N6037-23
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-28-(2.5-4.5)

Quant Time: Dec 20 01:06:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 01:01:12 2022
 Response via : Initial Calibration

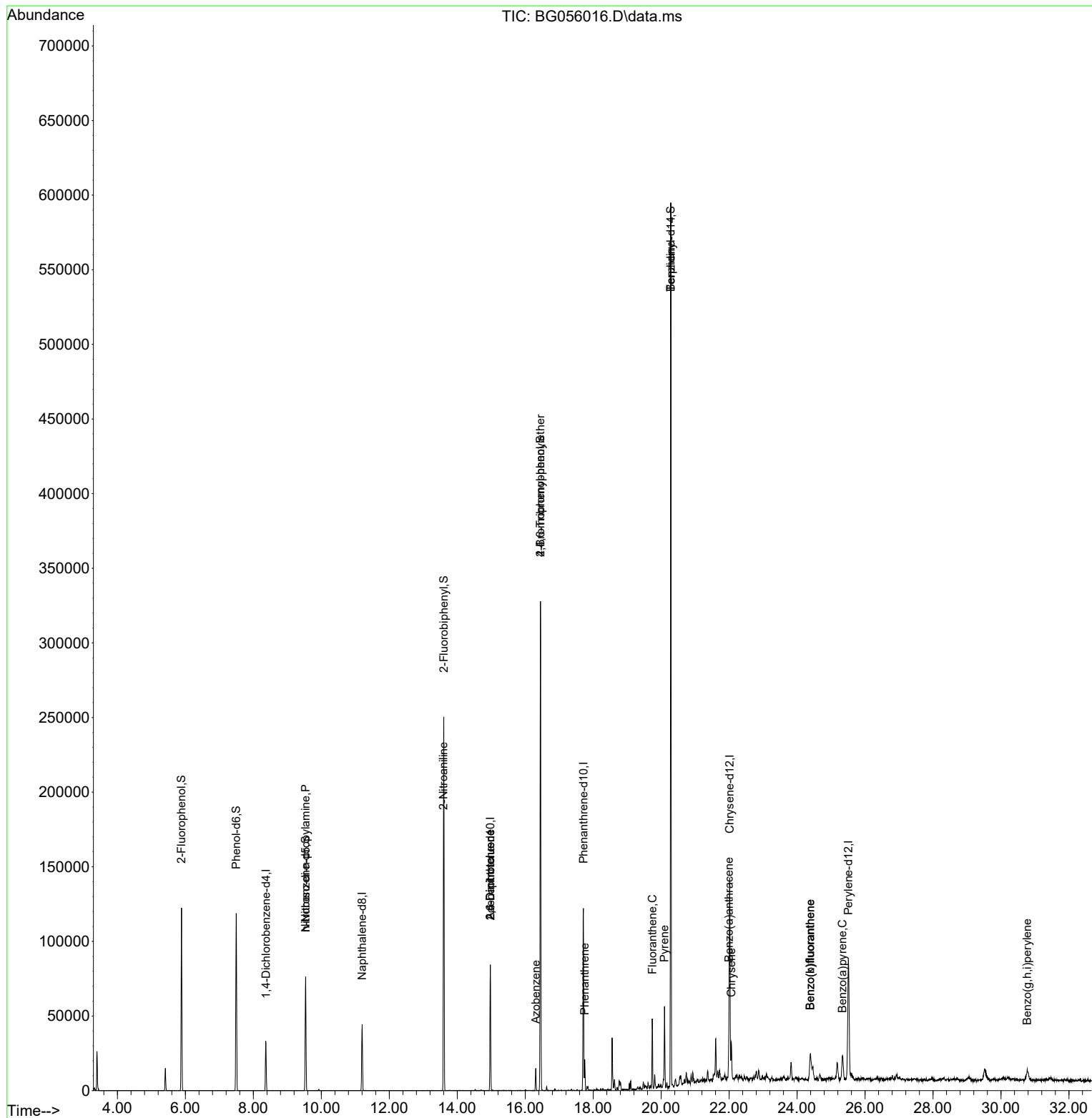
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.370	152	10663	20.000	ng	0.00
21) Naphthalene-d8	11.202	136	38750	20.000	ng	# 0.00
39) Acenaphthene-d10	14.974	164	33198	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	89292	20.000	ng	0.00
76) Chrysene-d12	22.019	240	91778	20.000	ng	-0.01
86) Perylene-d12	25.509	264	110083	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.885	112	48403	106.456	ng	0.00
7) Phenol-d6	7.495	99	58219	99.557	ng	0.00
23) Nitrobenzene-d5	9.539	82	39711	71.615	ng	0.00
42) 2,4,6-Tribromophenol	16.449	330	87432	109.221	ng	-0.01
45) 2-Fluorobiphenyl	13.605	172	139172	58.795	ng	0.00
79) Terphenyl-d14	20.286	244	318071	61.252	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.539	70	6161	14.698	ng	# 67
48) 2-Nitroaniline	13.593	65	56	2.961	ng	# 1
51) 2,6-Dinitrotoluene	14.974	165	4069	9.161	ng	# 25
57) 2,4-Dinitrotoluene	14.974	165	4069	6.069	ng	# 35
63) Azobenzene	16.314	77	3984	2.333	ng	# 1
67) 4-Bromophenyl-phenylether	16.449	248	5054	3.863	ng	# 1
71) Phenanthrene	17.753	178	15662	3.347	ng	98
75) Fluoranthene	19.739	202	33898	5.173	ng	98
77) Benzidine	20.286	184	4810	2.984	ng	# 91
78) Pyrene	20.098	202	39775	7.162	ng	98
81) Benzo(a)anthracene	21.995	228	22978	3.558	ng	97
83) Chrysene	22.066	228	22409	3.702	ng	96
88) Benzo(b)fluoranthene	24.387	252	30513	4.283	ng	# 93
89) Benzo(k)fluoranthene	24.387	252	30513	4.293	ng	# 95
90) Benzo(a)pyrene	25.338	252	22817	3.789	ng	# 94
92) Benzo(g,h,i)perylene	30.773	276	18388	2.567	ng	# 94

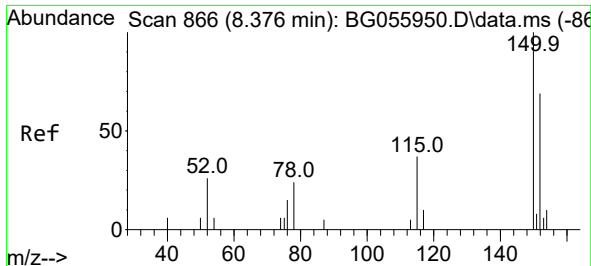
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056016.D
Acq On : 19 Dec 2022 16:46
Operator : CG/JU
Sample : N6037-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

Quant Time: Dec 20 01:06:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 20 01:01:12 2022
Response via : Initial Calibration

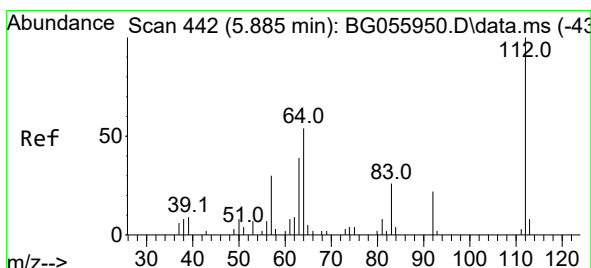
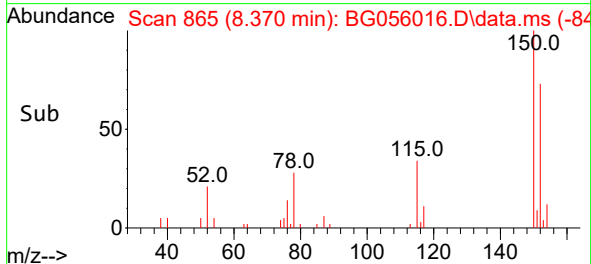
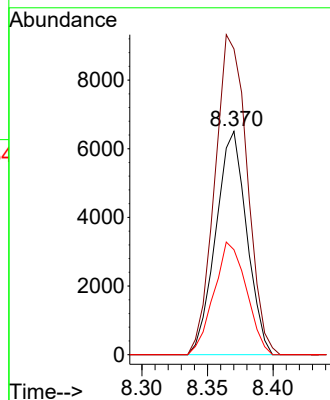
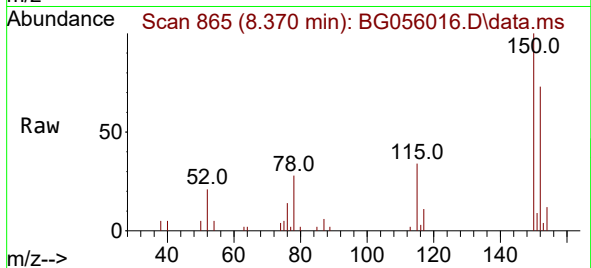




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.370 min Scan# 866
Delta R.T. 0.006 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

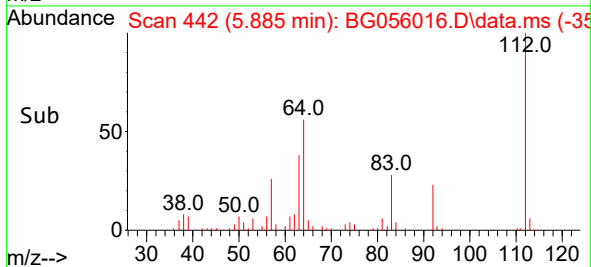
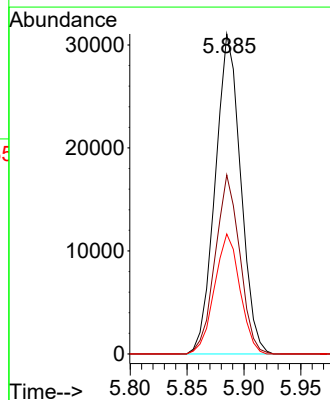
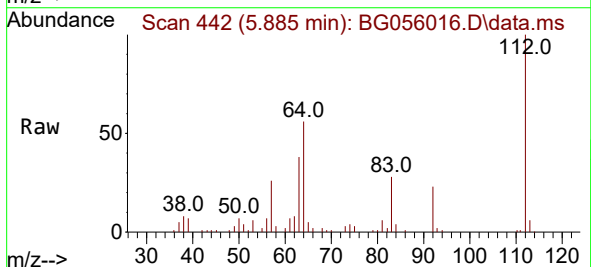
Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

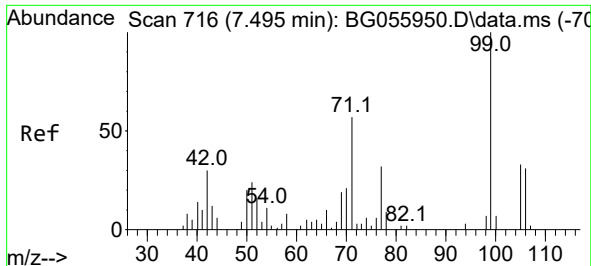
Tgt Ion:152 Resp: 10663
Ion Ratio Lower Upper
152 100
150 136.8 115.7 173.5
115 47.0 43.0 64.4



#5
2-Fluorophenol
Concen: 106.456 ng
RT: 5.885 min Scan# 442
Delta R.T. 0.000 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:112 Resp: 48403
Ion Ratio Lower Upper
112 100
64 55.9 43.0 64.4
63 37.5 31.4 47.2

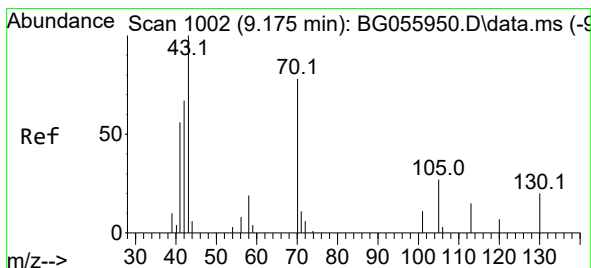
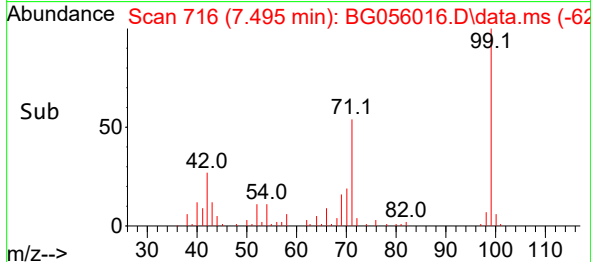
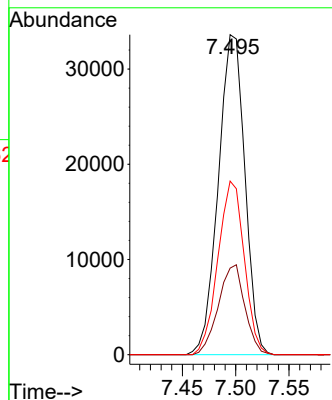
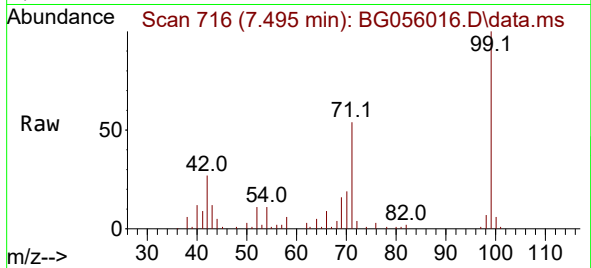




#7
Phenol-d6
Concen: 99.557 ng
RT: 7.495 min Scan# 716
Delta R.T. 0.000 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

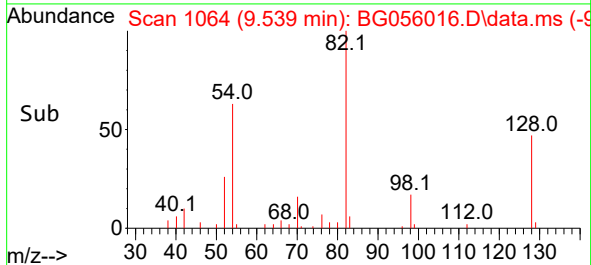
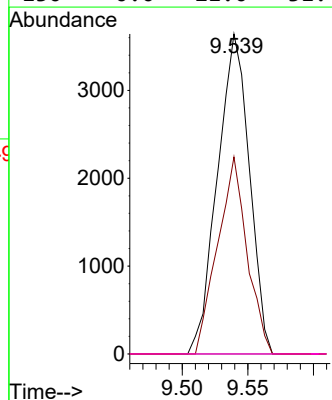
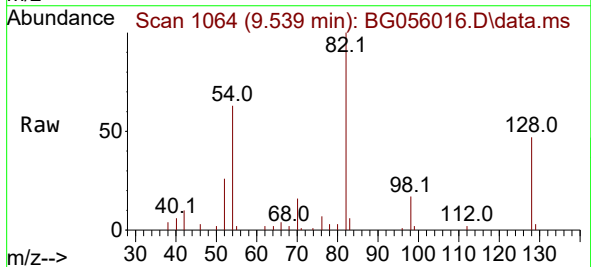
Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

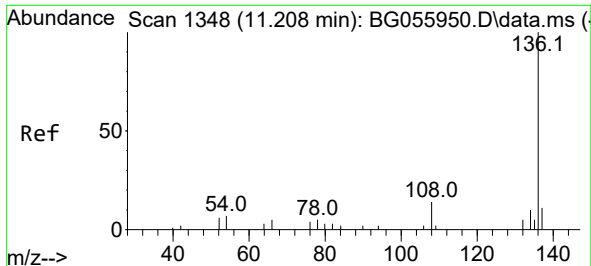
Tgt Ion: 99 Resp: 58219
Ion Ratio Lower Upper
99 100
42 27.0 24.3 36.5
71 54.2 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.698 ng
RT: 9.539 min Scan# 1064
Delta R.T. 0.365 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion: 70 Resp: 6161
Ion Ratio Lower Upper
70 100
42 61.6 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

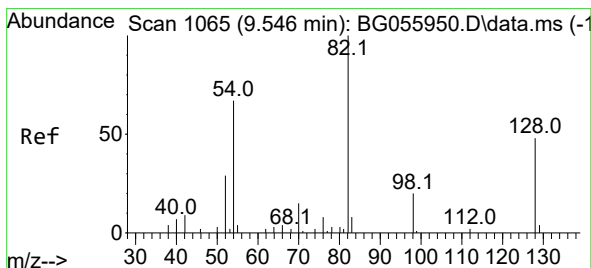
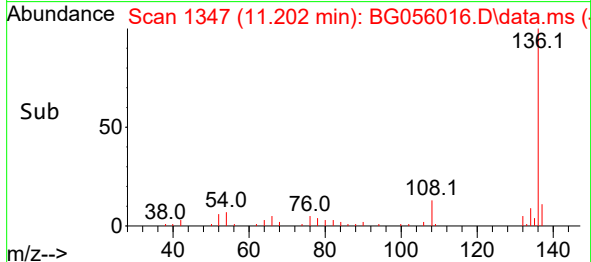
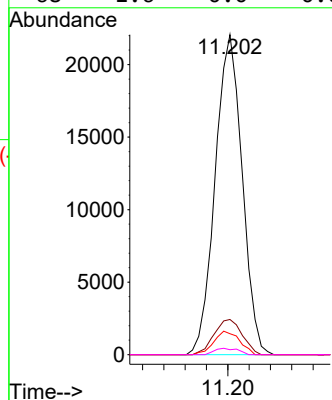
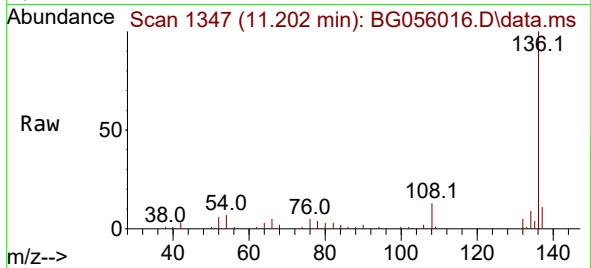




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.202 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

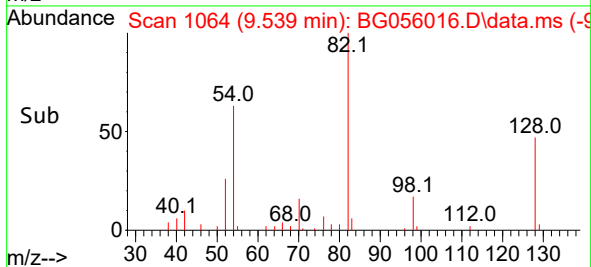
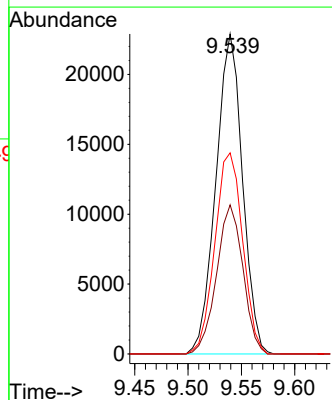
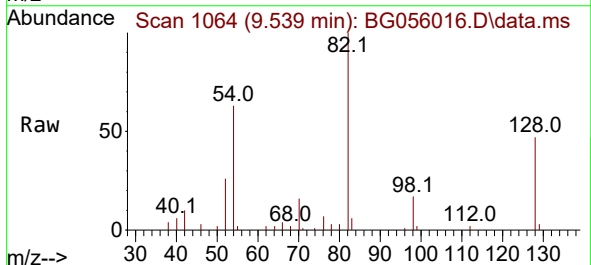
Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

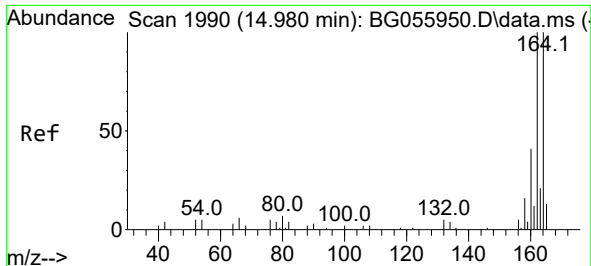
Tgt Ion:136 Resp: 38750
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 6.6 5.6 8.4
68 1.6 0.0 0.0#



#23
Nitrobenzene-d5
Concen: 71.615 ng
RT: 9.539 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion: 82 Resp: 39711
Ion Ratio Lower Upper
82 100
128 46.6 38.4 57.6
54 62.9 53.3 79.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.974 min Scan# 1989

Delta R.T. -0.006 min

Lab File: BG056016.D

Acq: 19 Dec 2022 16:46

Instrument :

BNA_G

ClientSampleId :

RB-28-(2.5-4.5)

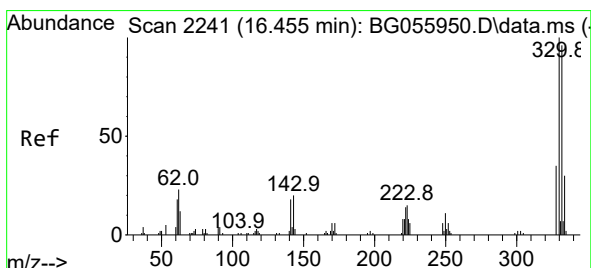
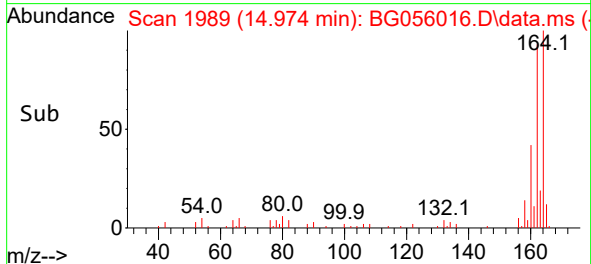
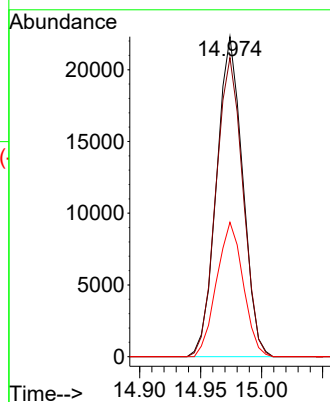
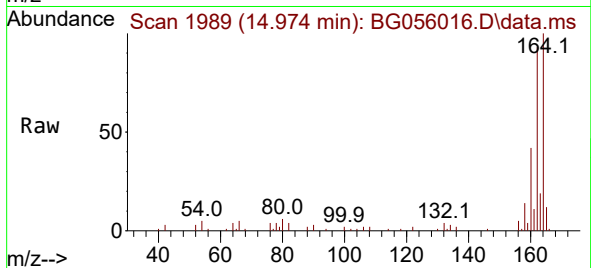
Tgt Ion:164 Resp: 33198

Ion Ratio Lower Upper

164 100

162 93.4 79.8 119.8

160 42.0 33.0 49.4



#42

2,4,6-Tribromophenol

Concen: 109.221 ng

RT: 16.449 min Scan# 2240

Delta R.T. -0.011 min

Lab File: BG056016.D

Acq: 19 Dec 2022 16:46

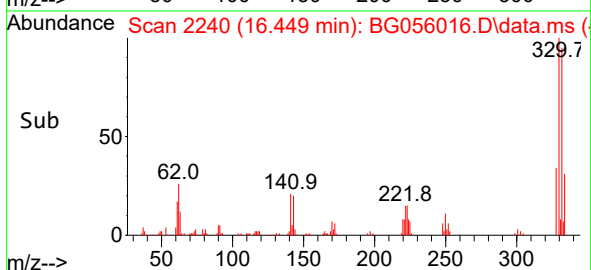
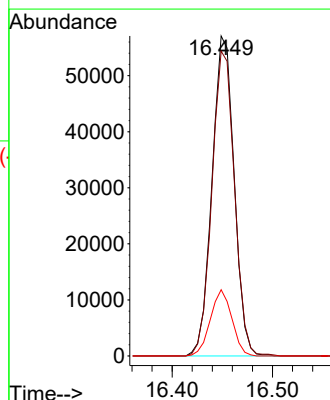
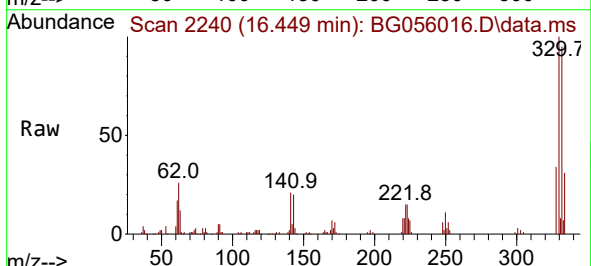
Tgt Ion:330 Resp: 87432

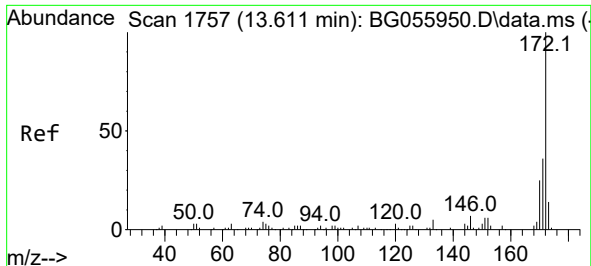
Ion Ratio Lower Upper

330 100

332 96.9 76.6 114.8

141 20.1 15.0 22.4

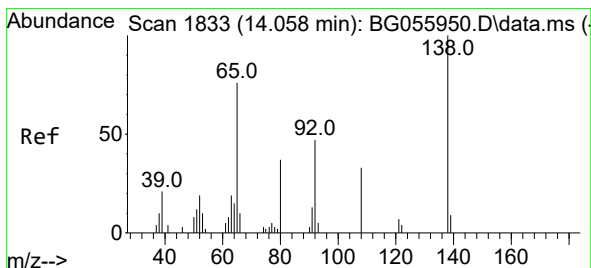
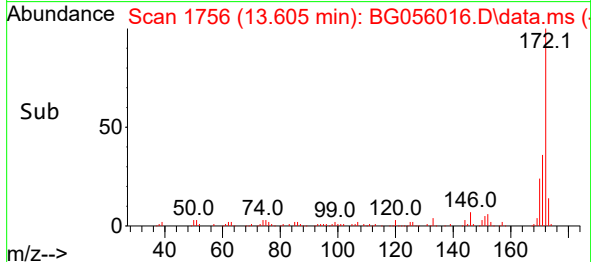
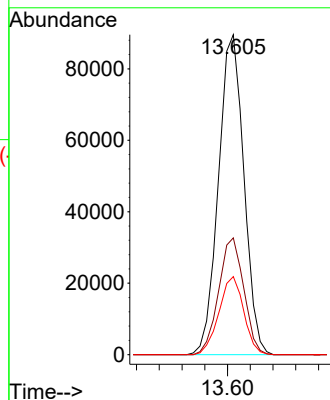
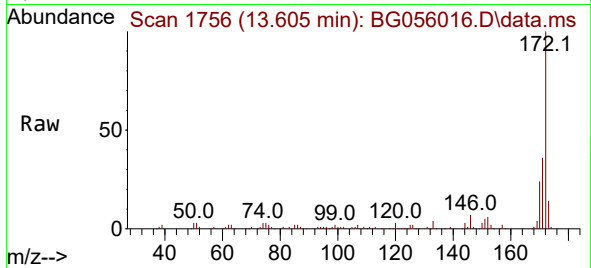




#45
2-Fluorobiphenyl
Concen: 58.795 ng
RT: 13.605 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

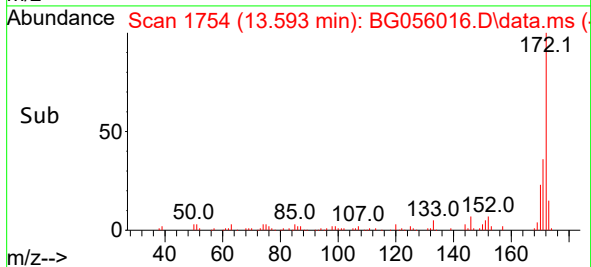
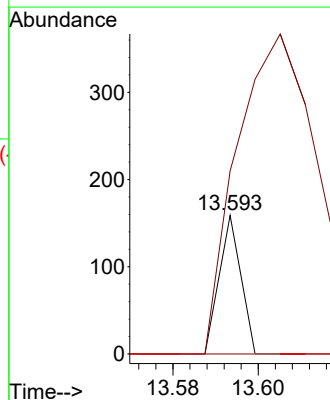
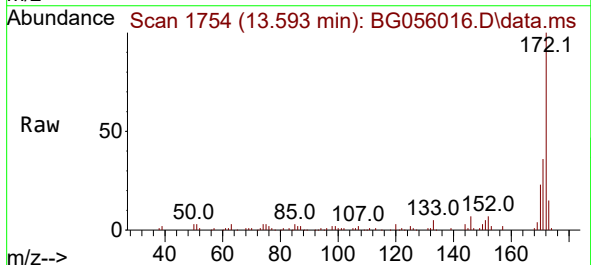
Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

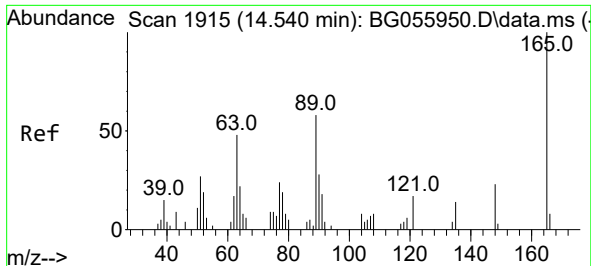
Tgt Ion:172 Resp: 139172
Ion Ratio Lower Upper
172 100
171 36.5 28.6 42.8
170 24.4 19.9 29.9



#48
2-Nitroaniline
Concen: 2.961 ng
RT: 13.593 min Scan# 1754
Delta R.T. -0.464 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion: 65 Resp: 56
Ion Ratio Lower Upper
65 100
92 132.1 49.7 74.5#
138 0.0 105.0 157.6#

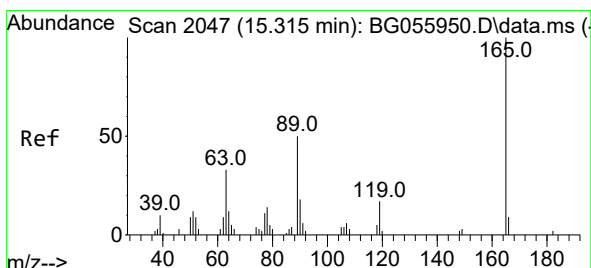
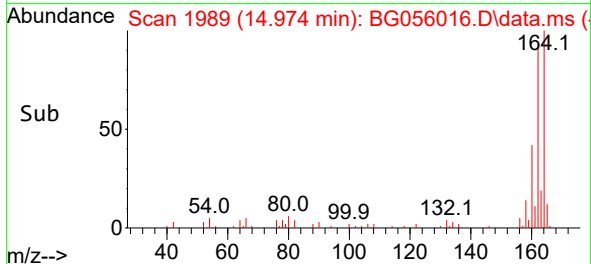
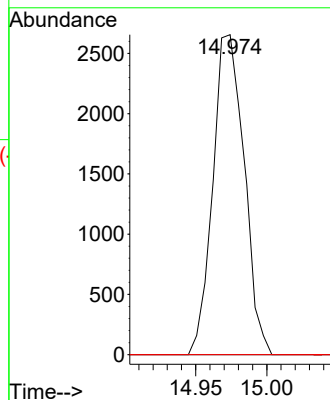
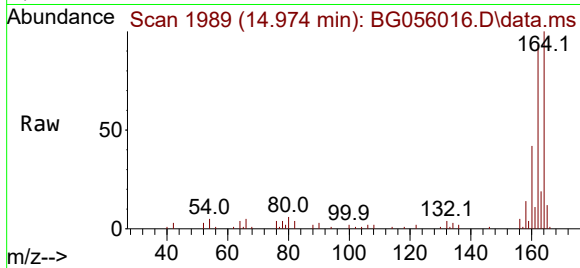




#51
2,6-Dinitrotoluene
Concen: 9.161 ng
RT: 14.974 min Scan# 1989
Delta R.T. 0.435 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

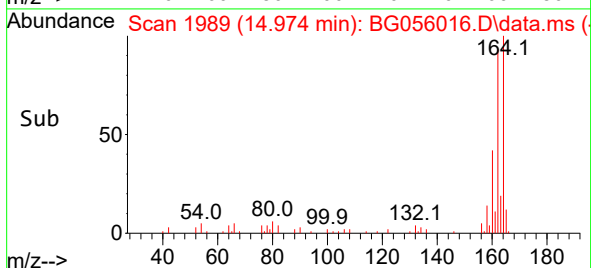
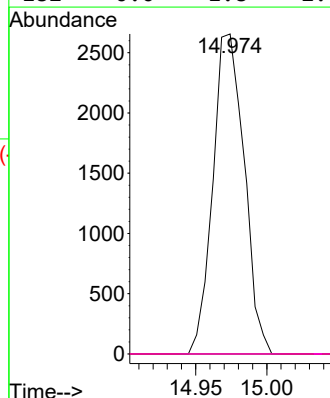
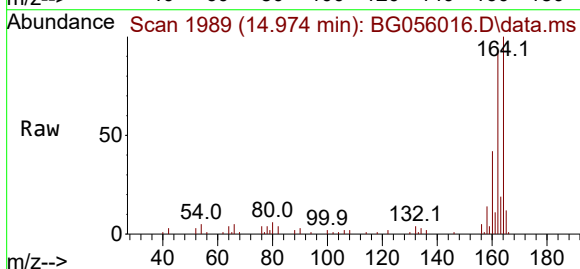
Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

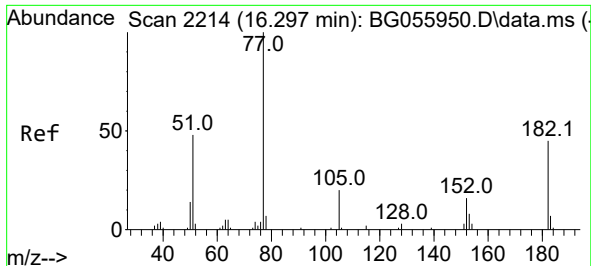
Tgt Ion:165 Resp: 4069
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#



#57
2,4-Dinitrotoluene
Concen: 6.069 ng
RT: 14.974 min Scan# 1989
Delta R.T. -0.346 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:165 Resp: 4069
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#

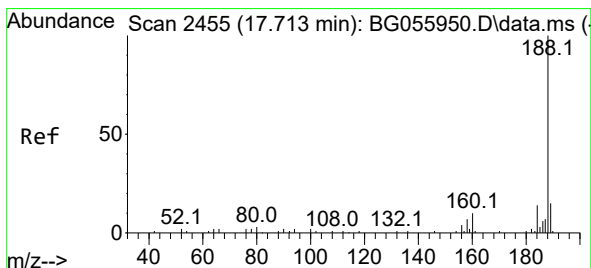
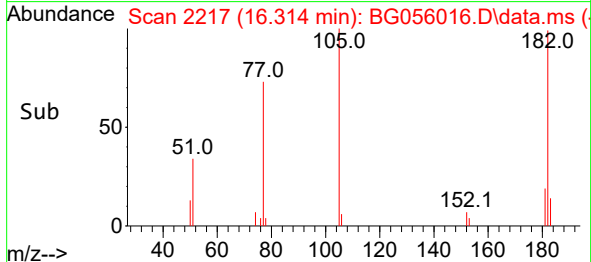
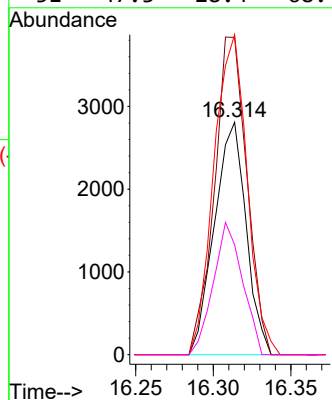
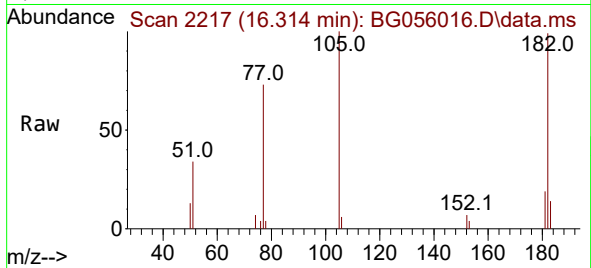




#63
 Azobenzene
 Concen: 2.333 ng
 RT: 16.314 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BG056016.D
 Acq: 19 Dec 2022 16:46

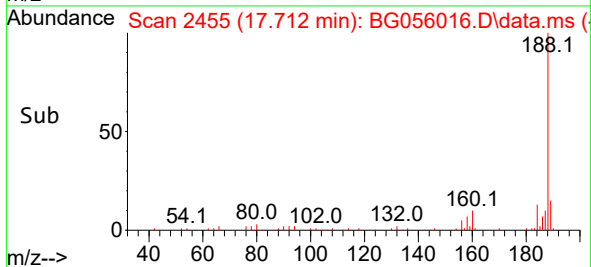
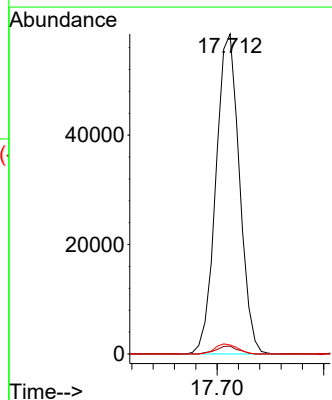
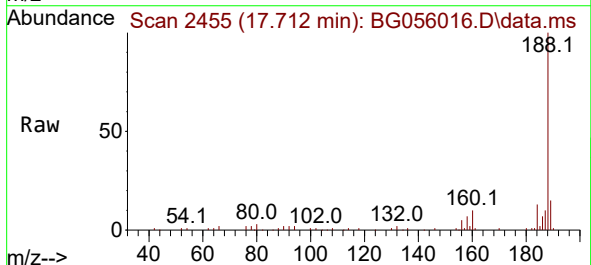
Instrument :
 BNA_G
 ClientSampleId :
 RB-28-(2.5-4.5)

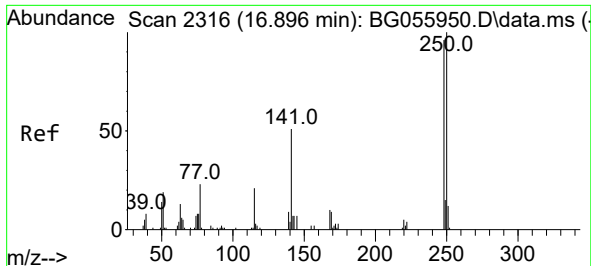
Tgt Ion: 77	Resp: 3984
Ion Ratio	Lower Upper
77 100	
182 136.5	24.7 64.7#
105 137.7	0.3 40.3#
51 47.3	28.4 68.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.712 min Scan# 2455
 Delta R.T. -0.006 min
 Lab File: BG056016.D
 Acq: 19 Dec 2022 16:46

Tgt Ion: 188	Resp: 89292
Ion Ratio	Lower Upper
188 100	
94 2.5	1.8 2.8
80 2.8	2.4 3.6

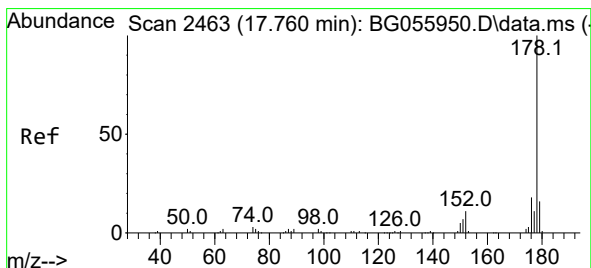
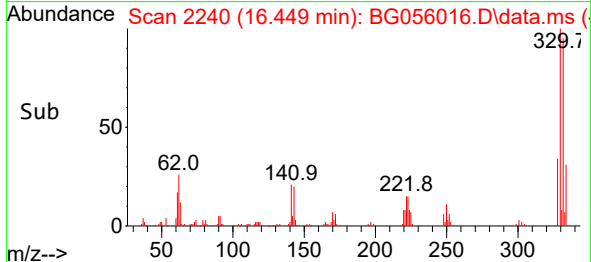
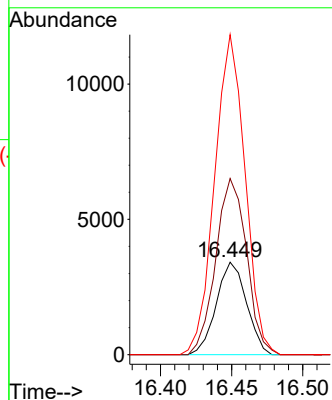
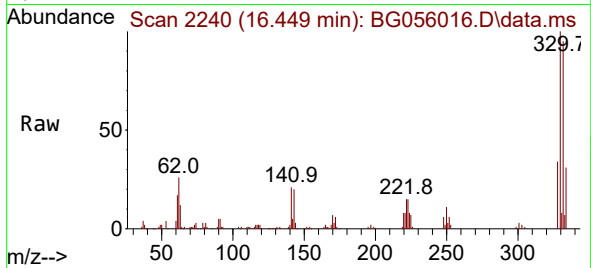




#67
4-Bromophenyl-phenylether
Concen: 3.863 ng
RT: 16.449 min Scan# 21
Delta R.T. -0.446 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

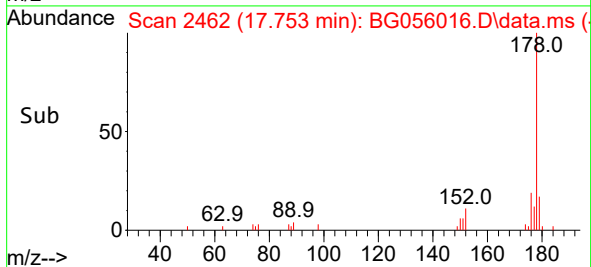
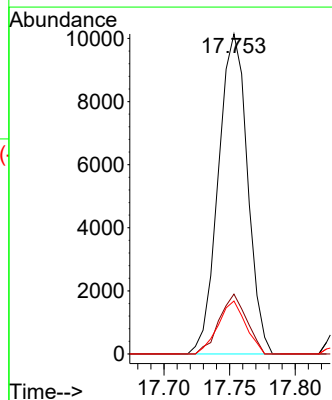
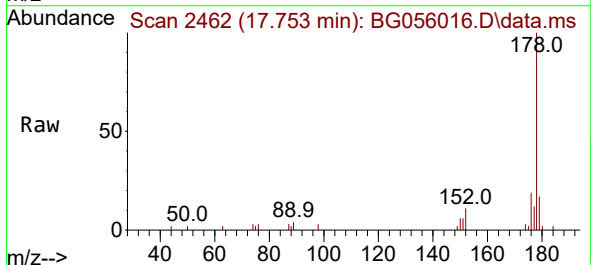
Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

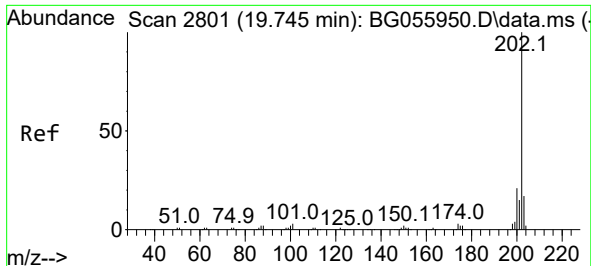
Tgt Ion:248 Resp: 5054
Ion Ratio Lower Upper
248 100
250 190.4 83.0 124.6#
141 346.1 42.6 64.0#



#71
Phenanthrene
Concen: 3.347 ng
RT: 17.753 min Scan# 2462
Delta R.T. -0.006 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:178 Resp: 15662
Ion Ratio Lower Upper
178 100
176 18.7 14.4 21.6
179 16.6 12.7 19.1

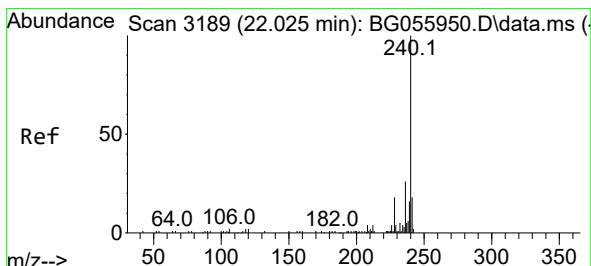
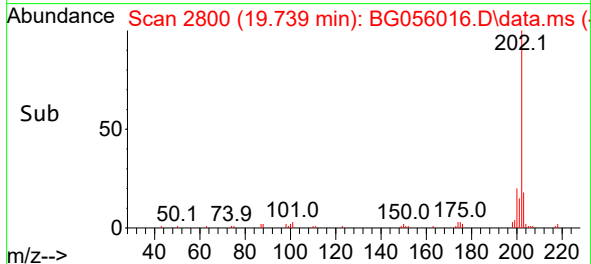
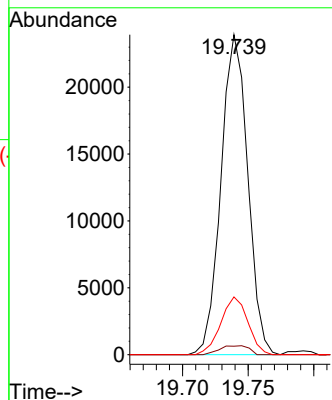
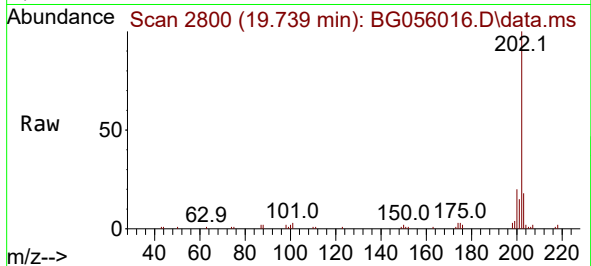




#75
Fluoranthene
Concen: 5.173 ng
RT: 19.739 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

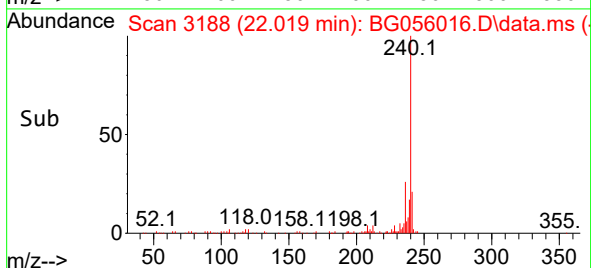
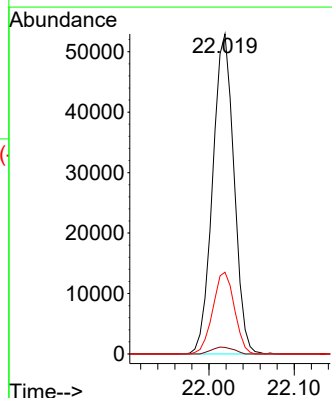
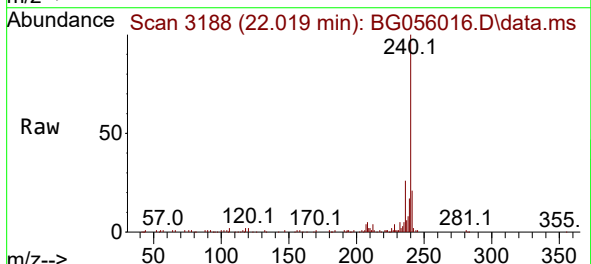
Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

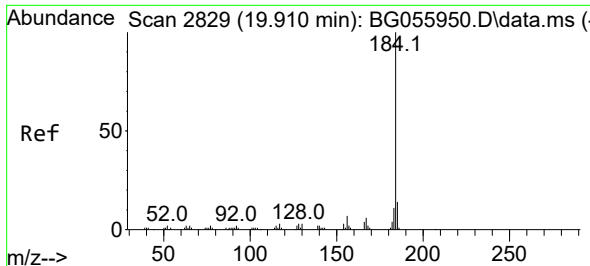
Tgt Ion:202	Resp:	33898
Ion Ratio	Lower	Upper
202	100	
101	2.6	0.0 22.6
203	18.1	0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3188
Delta R.T. -0.011 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:240	Resp:	91778
Ion Ratio	Lower	Upper
240	100	
120	2.1	1.7 2.5
236	25.6	21.1 31.7

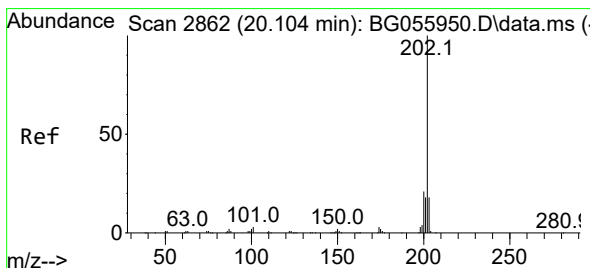
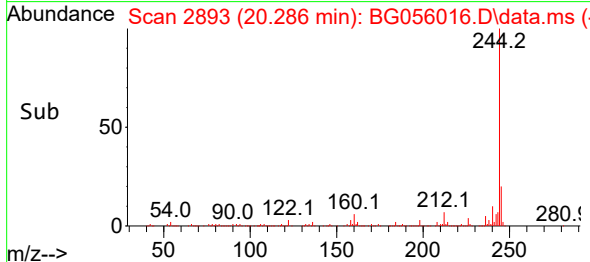
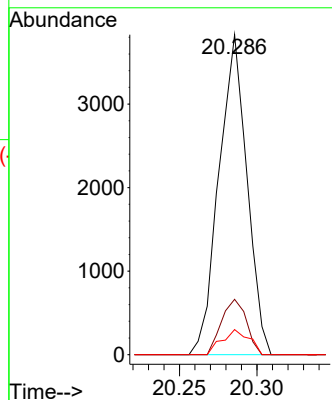
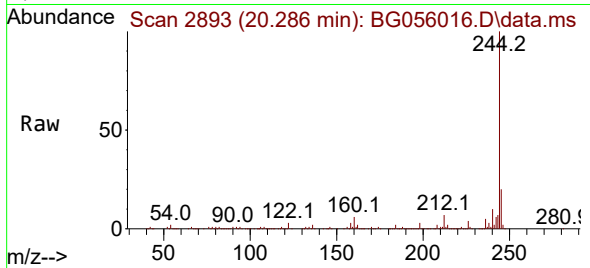




#77
Benzidine
Concen: 2.984 ng
RT: 20.286 min Scan# 2893
Delta R.T. 0.370 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

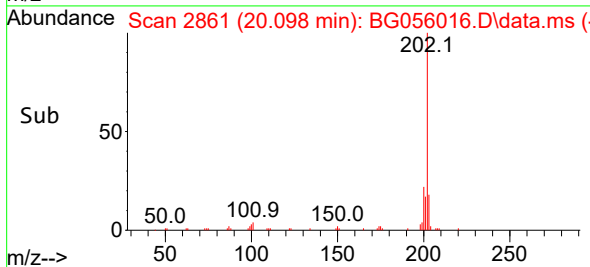
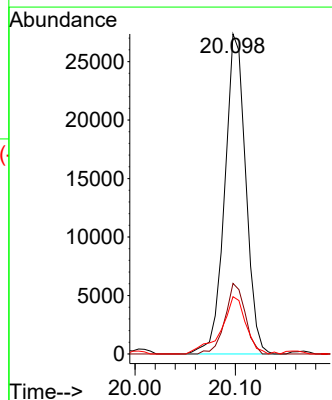
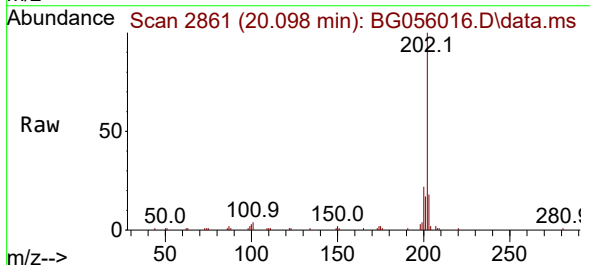
Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

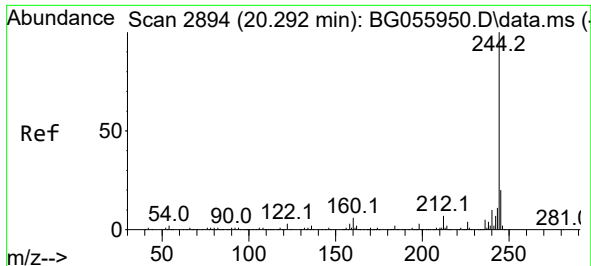
Tgt Ion:184 Resp: 4810
Ion Ratio Lower Upper
184 100
185 17.3 10.9 16.3#
183 7.8 9.2 13.8#



#78
Pyrene
Concen: 7.162 ng
RT: 20.098 min Scan# 2861
Delta R.T. -0.011 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:202 Resp: 39775
Ion Ratio Lower Upper
202 100
200 22.0 16.7 25.1
203 17.9 14.6 21.8

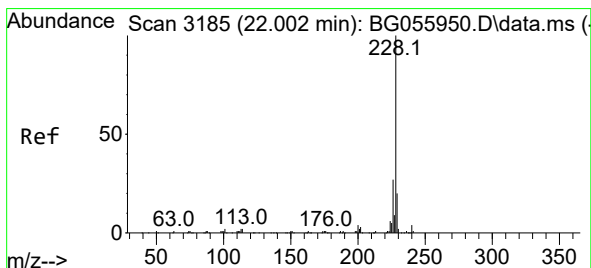
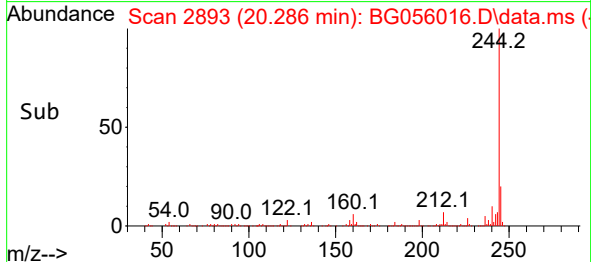
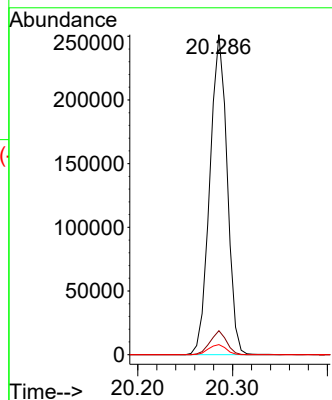
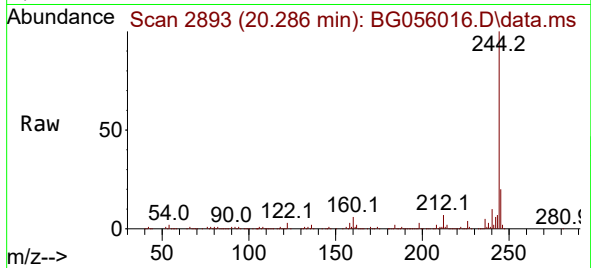




#79
 Terphenyl-d14
 Concen: 61.252 ng
 RT: 20.286 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG056016.D
 Acq: 19 Dec 2022 16:46

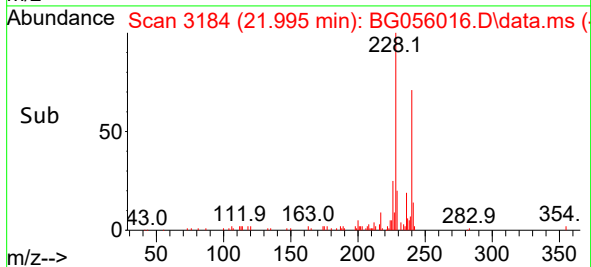
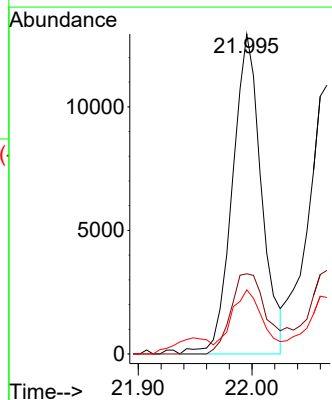
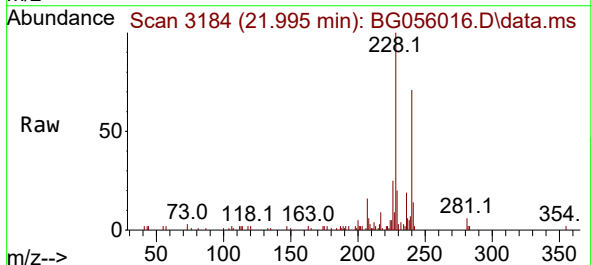
Instrument :
 BNA_G
 ClientSampleId :
 RB-28-(2.5-4.5)

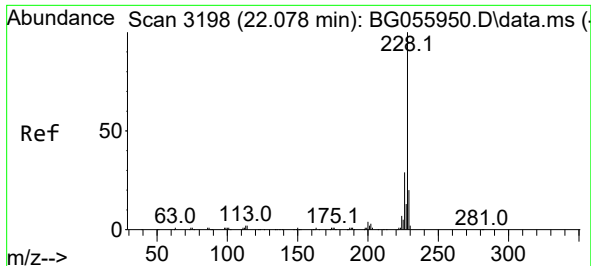
Tgt Ion:244 Resp: 318071
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.6
 122 3.2 2.5 3.7



#81
 Benzo(a)anthracene
 Concen: 3.558 ng
 RT: 21.995 min Scan# 3184
 Delta R.T. -0.011 min
 Lab File: BG056016.D
 Acq: 19 Dec 2022 16:46

Tgt Ion:228 Resp: 22978
 Ion Ratio Lower Upper
 228 100
 226 25.0 21.8 32.6
 229 20.0 15.9 23.9

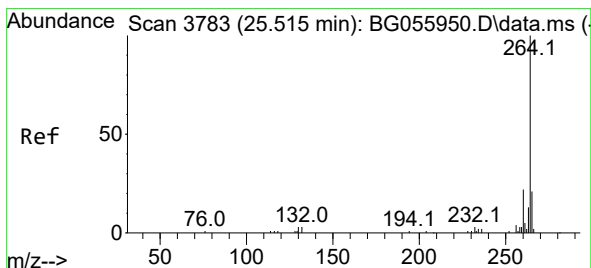
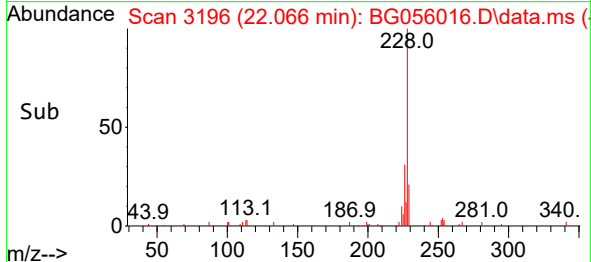
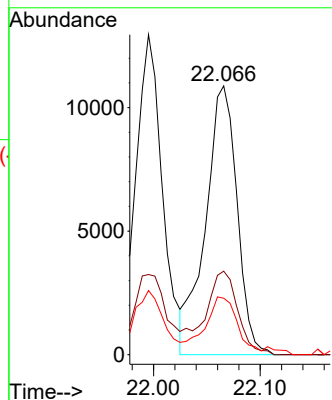
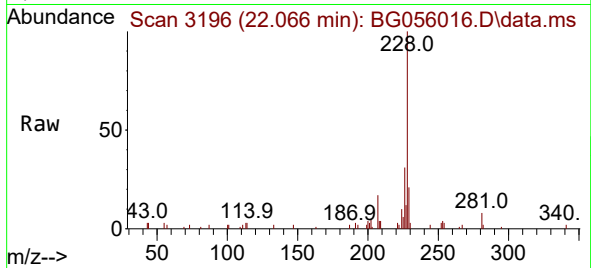




#83
Chrysene
Concen: 3.702 ng
RT: 22.066 min Scan# 3198
Delta R.T. -0.011 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

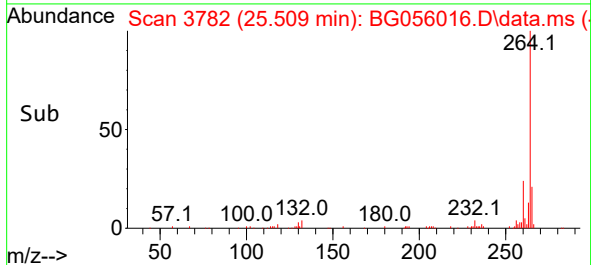
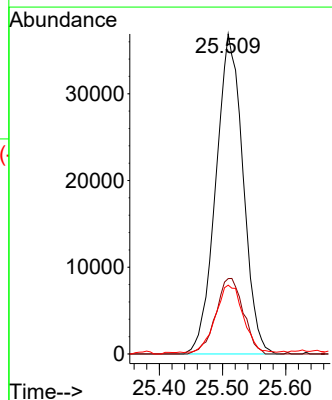
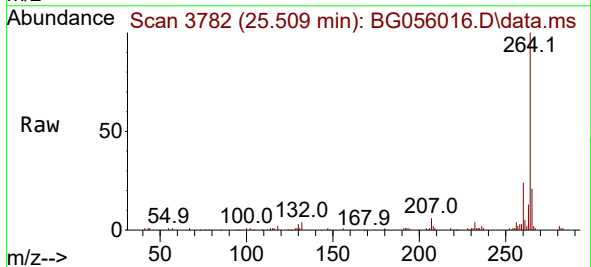
Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

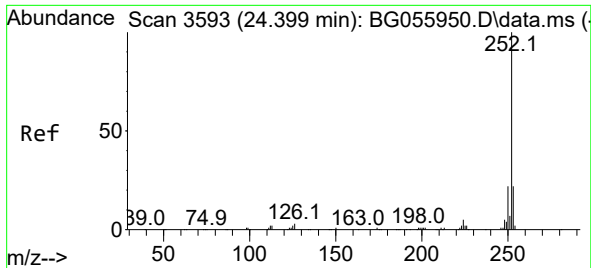
Tgt Ion:228	Resp:	22409
Ion Ratio	Lower	Upper
228	100	
226	31.1	23.1 34.7
229	21.0	15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.509 min Scan# 3782
Delta R.T. -0.017 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:264	Resp:	110083
Ion Ratio	Lower	Upper
264	100	
260	23.5	17.8 26.8
265	21.5	16.6 25.0

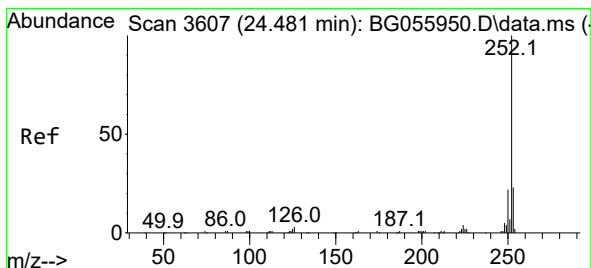
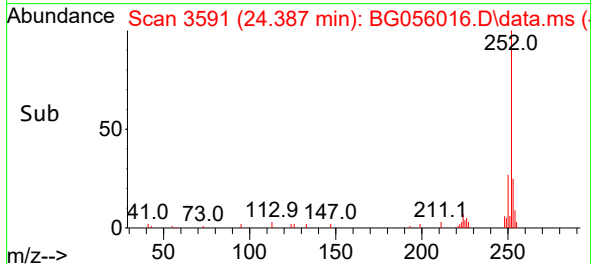
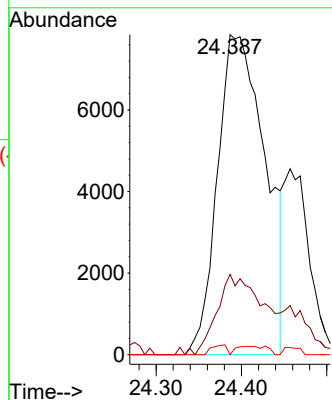
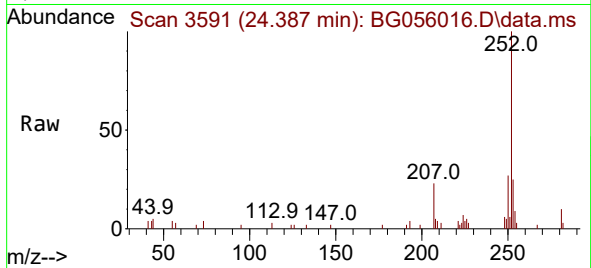




#88
Benzo(b)fluoranthene
Concen: 4.283 ng
RT: 24.387 min Scan# 3591
Delta R.T. -0.017 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

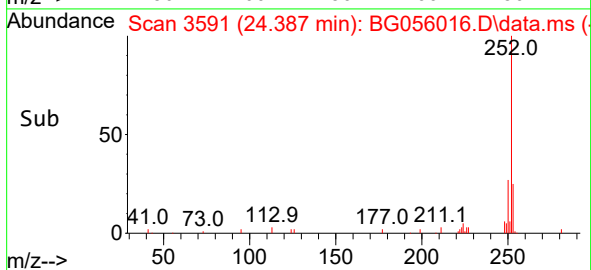
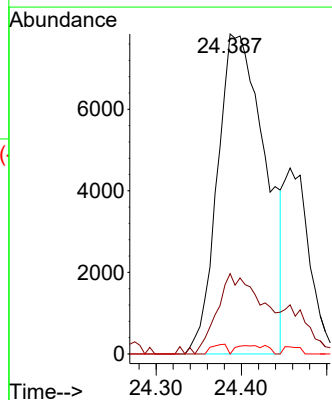
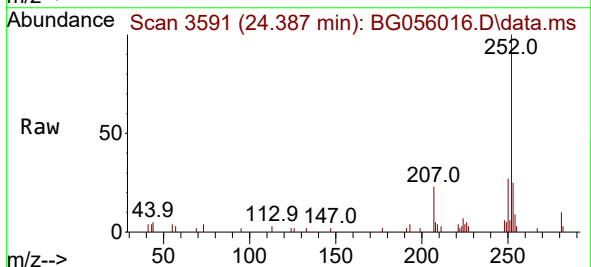
Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

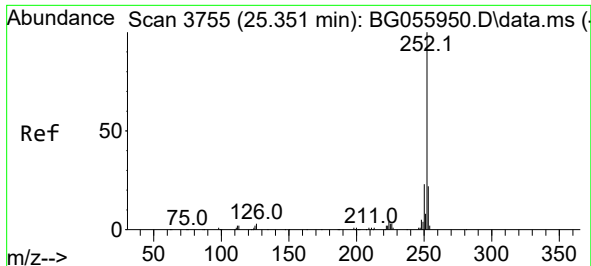
Tgt Ion:252 Resp: 30513
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.0
125 0.0 1.8 2.8#



#89
Benzo(k)fluoranthene
Concen: 4.293 ng
RT: 24.387 min Scan# 3591
Delta R.T. -0.100 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:252 Resp: 30513
Ion Ratio Lower Upper
252 100
253 25.1 18.2 27.2
125 0.0 2.0 3.0#

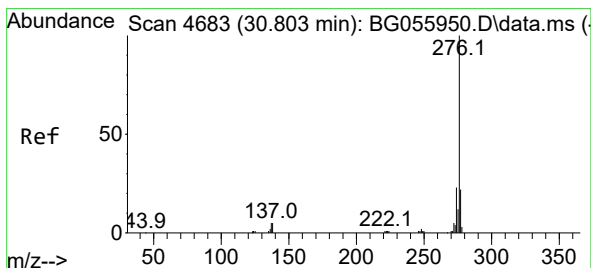
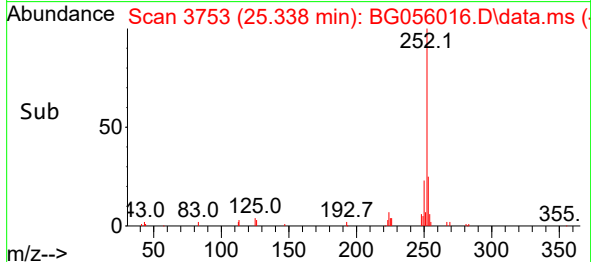
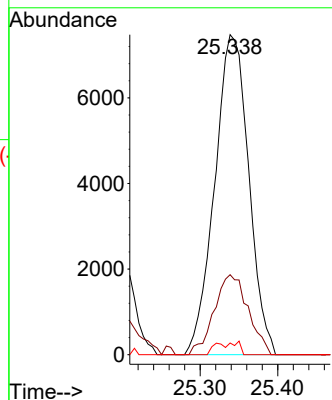
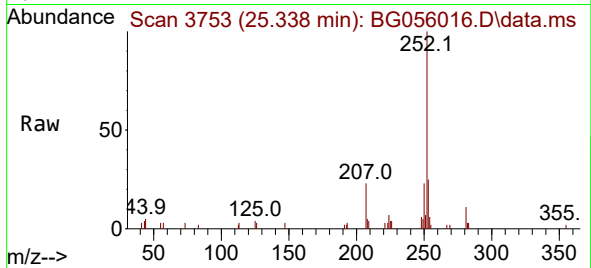




#90
Benzo(a)pyrene
Concen: 3.789 ng
RT: 25.338 min Scan# 31
Delta R.T. -0.023 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

Tgt Ion:252 Resp: 22817
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 3.7 1.9 2.9#



#92
Benzo(g,h,i)perylene
Concen: 2.567 ng
RT: 30.773 min Scan# 4678
Delta R.T. -0.058 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:276 Resp: 18388
Ion Ratio Lower Upper
276 100
277 24.5 17.8 26.6
138 8.2 3.8 5.6#

