

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
 Data File : BG056007.D
 Acq On : 16 Dec 2022 23:59
 Operator : CG/JU
 Sample : N6037-07DL 50X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-21-(6-8)DL

Quant Time: Dec 17 01:26:50 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)

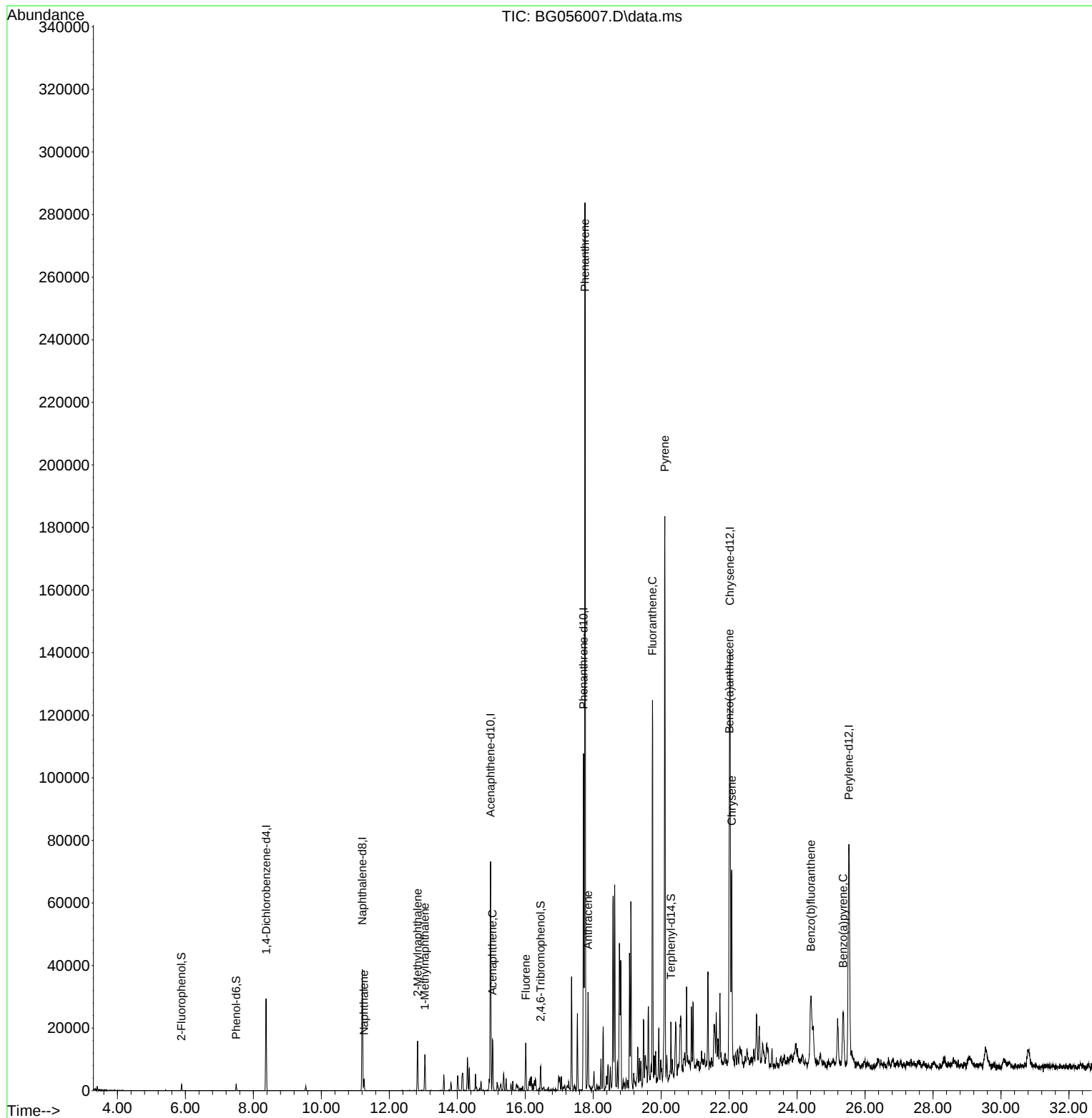
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.375	152	9359	20.000	ng	0.00
21) Naphthalene-d8	11.207	136	35023	20.000	ng	# 0.00
39) Acenaphthene-d10	14.980	164	29180	20.000	ng	0.00
64) Phenanthrene-d10	17.717	188	80475	20.000	ng	0.00
76) Chrysene-d12	22.024	240	80768	20.000	ng	# 0.00
86) Perylene-d12	25.526	264	100497	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.884	112	1182	2.962	ng	0.00
7) Phenol-d6	7.494	99	1581	3.080	ng	0.00
23) Nitrobenzene-d5	9.545	82	890	1.776	ng	0.00
42) 2,4,6-Tribromophenol	16.454	330	1950	2.771	ng	0.00
45) 2-Fluorobiphenyl	13.605	172	3947	1.897	ng	0.00
79) Terphenyl-d14	20.291	244	9790	2.142	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	11.254	128	4080	2.208	ng	# 94
37) 2-Methylnaphthalene	12.835	142	8864	5.429	ng	96
38) 1-Methylnaphthalene	13.046	142	6632	4.170	ng	# 96
52) Acenaphthene	15.038	154	6724	3.904	ng	# 88
58) Fluorene	16.019	166	8428	3.560	ng	95
71) Phenanthrene	17.759	178	202595	48.039	ng	99
72) Anthracene	17.853	178	24134	5.784	ng	99
75) Fluoranthene	19.744	202	86603	14.665	ng	96
78) Pyrene	20.109	202	131518	26.910	ng	99
81) Benzo(a)anthracene	22.007	228	52743	9.280	ng	99
83) Chrysene	22.077	228	48026	9.016	ng	98
88) Benzo(b)fluoranthene	24.410	252	35445	5.450	ng	# 92
90) Benzo(a)pyrene	25.356	252	27553	5.012	ng	99

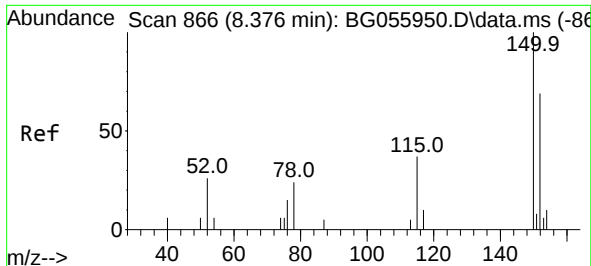
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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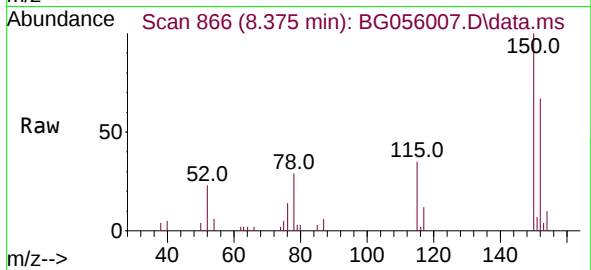
Quant Time: Dec 17 01:26:50 2022
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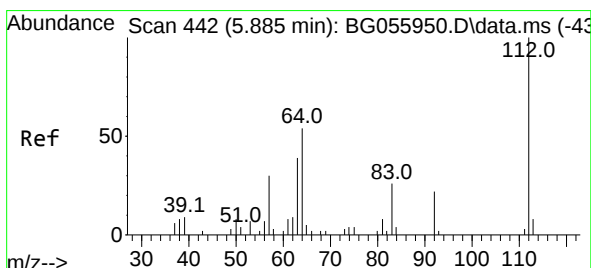
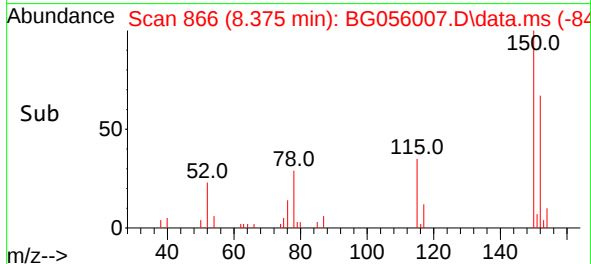
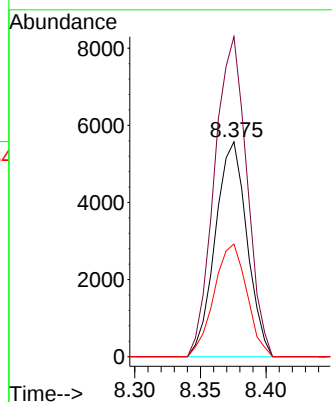


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.375 min Scan# 866
Delta R.T. -0.001 min
Lab File: BG056007.D
Acq: 16 Dec 2022 23:59

Instrument :
BNA_G
ClientSampleId :
RB-21-(6-8)DL

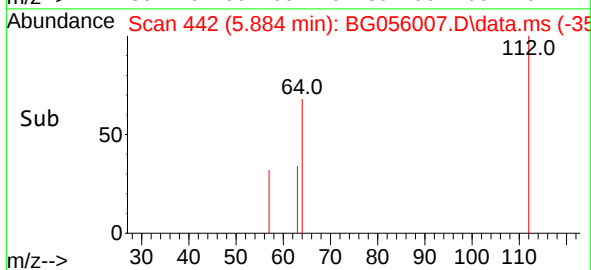
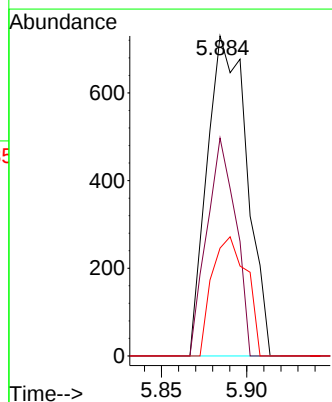
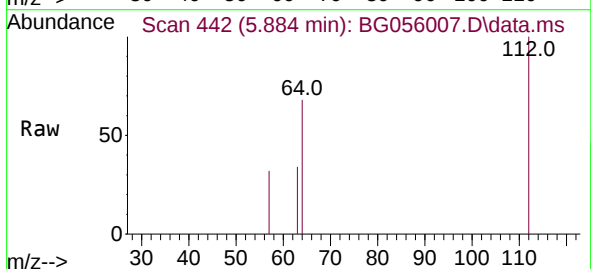


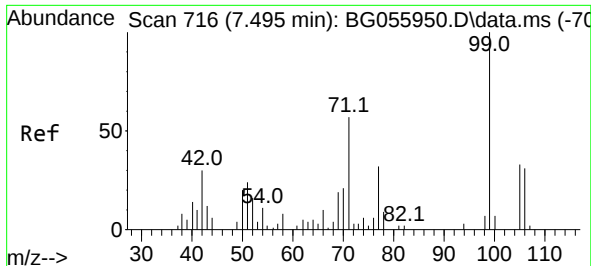
Tgt Ion:152 Resp: 9359
Ion Ratio Lower Upper
152 100
150 148.9 115.7 173.5
115 52.4 43.0 64.4



#5
2-Fluorophenol
Concen: 2.962 ng
RT: 5.884 min Scan# 442
Delta R.T. -0.001 min
Lab File: BG056007.D
Acq: 16 Dec 2022 23:59

Tgt Ion:112 Resp: 1182
Ion Ratio Lower Upper
112 100
64 68.1 43.0 64.4#
63 33.7 31.4 47.2

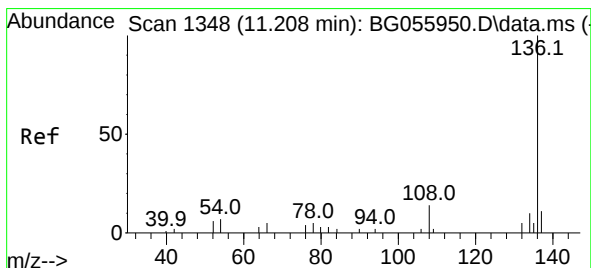
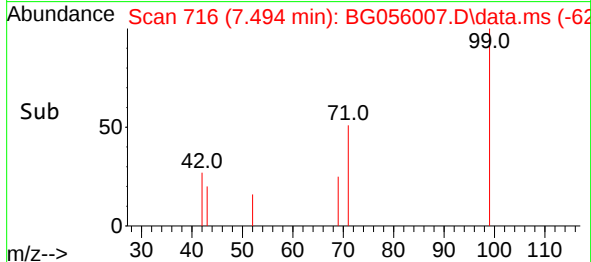
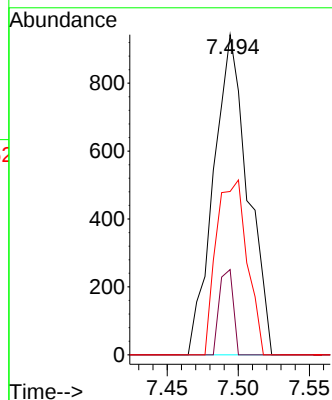
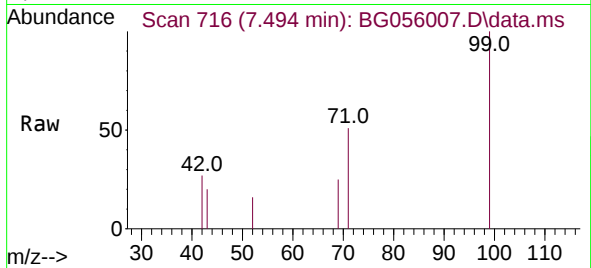




#7
Phenol-d6
Concen: 3.080 ng
RT: 7.494 min Scan# 716
Delta R.T. -0.007 min
Lab File: BG056007.D
Acq: 16 Dec 2022 23:59

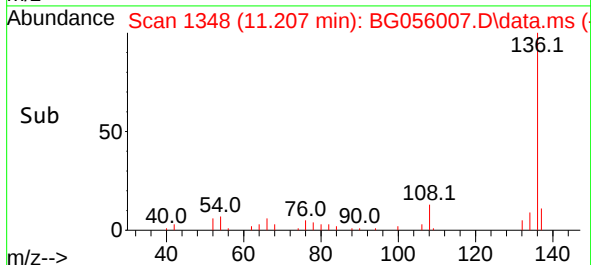
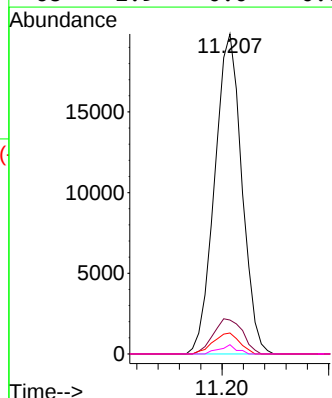
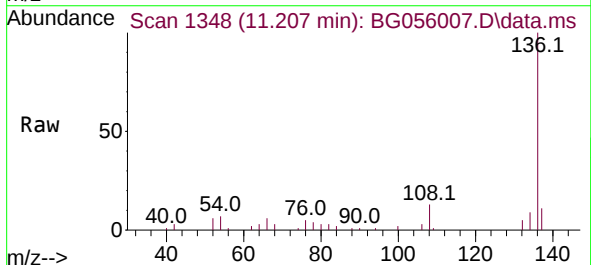
Instrument :
BNA_G
ClientSampleId :
RB-21-(6-8)DL

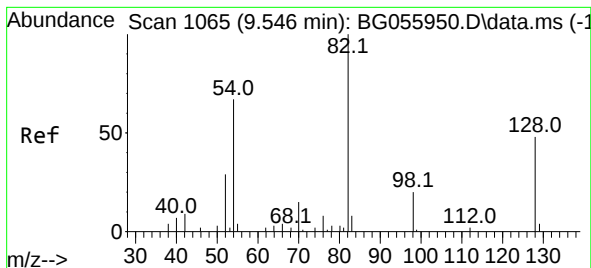
Tgt Ion: 99 Resp: 1581
Ion Ratio Lower Upper
99 100
42 26.6 24.3 36.5
71 51.0 45.6 68.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.207 min Scan# 1348
Delta R.T. -0.001 min
Lab File: BG056007.D
Acq: 16 Dec 2022 23:59

Tgt Ion:136 Resp: 35023
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 6.6 5.6 8.4
68 2.9 0.0 0.0#





#23

Nitrobenzene-d5

Concen: 1.776 ng

RT: 9.545 min Scan# 1065

Delta R.T. -0.001 min

Lab File: BG056007.D

Acq: 16 Dec 2022 23:59

Instrument :

BNA_G

ClientSampleId :

RB-21-(6-8)DL

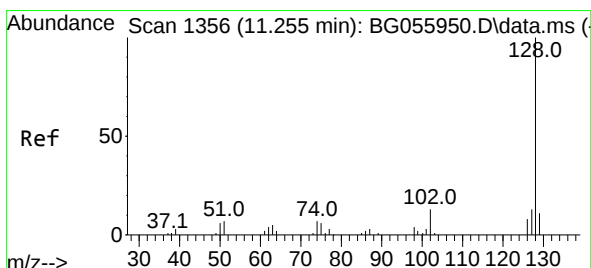
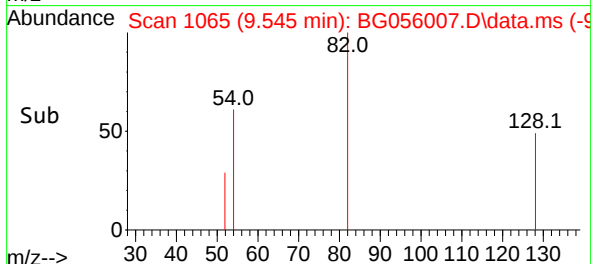
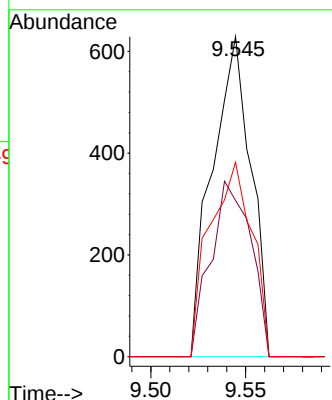
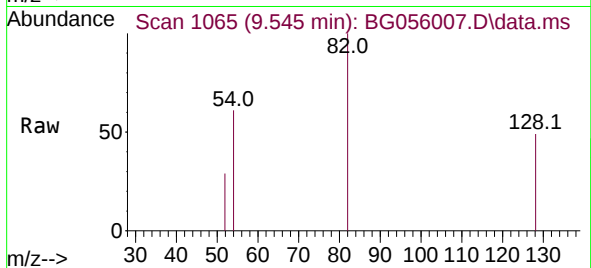
Tgt Ion: 82 Resp: 890

Ion Ratio Lower Upper

82 100

128 48.8 38.4 57.6

54 60.7 53.3 79.9



#31

Naphthalene

Concen: 2.208 ng

RT: 11.254 min Scan# 1356

Delta R.T. -0.007 min

Lab File: BG056007.D

Acq: 16 Dec 2022 23:59

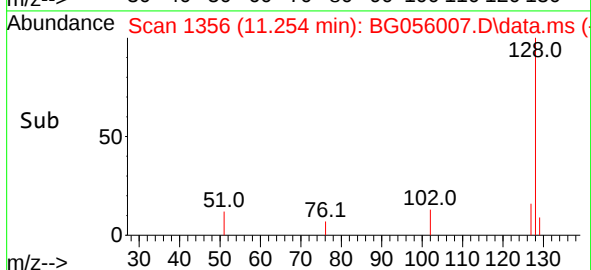
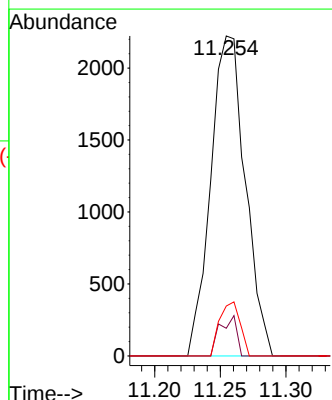
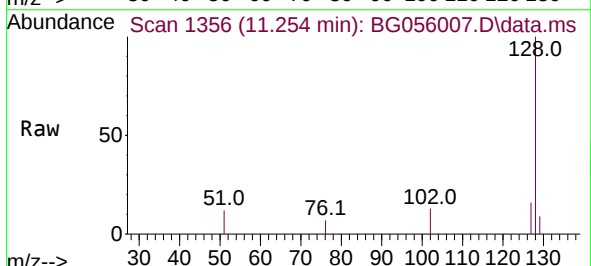
Tgt Ion: 128 Resp: 4080

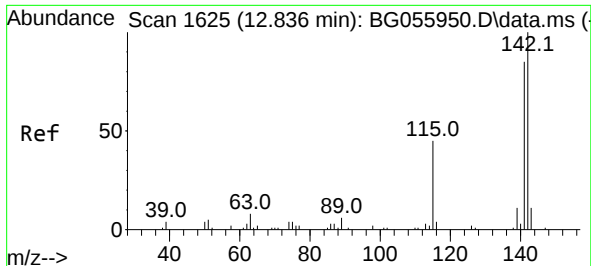
Ion Ratio Lower Upper

128 100

129 8.6 8.7 13.1#

127 15.6 10.3 15.5#

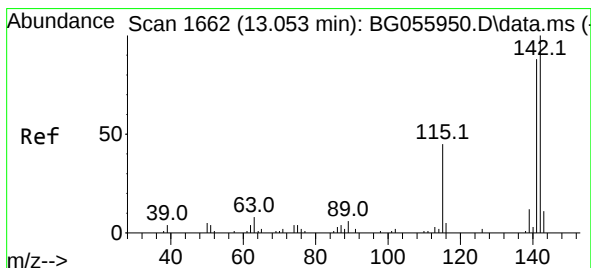
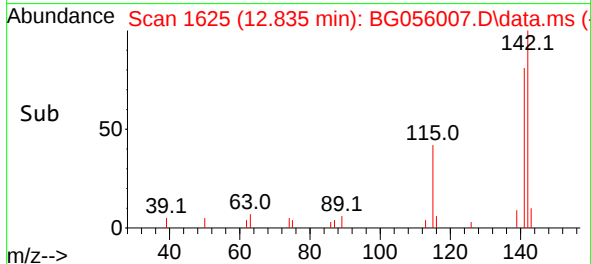
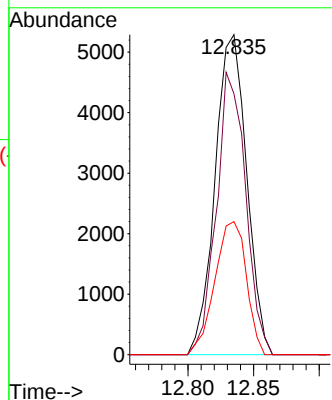
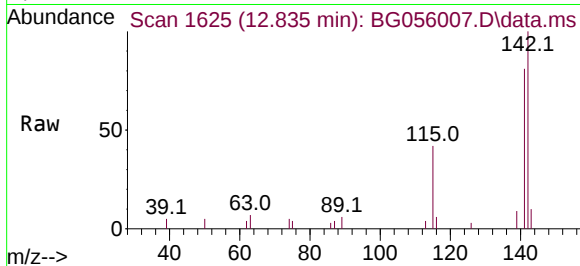




#37
2-Methylnaphthalene
Concen: 5.429 ng
RT: 12.835 min Scan# 1625
Delta R.T. -0.001 min
Lab File: BG056007.D
Acq: 16 Dec 2022 23:59

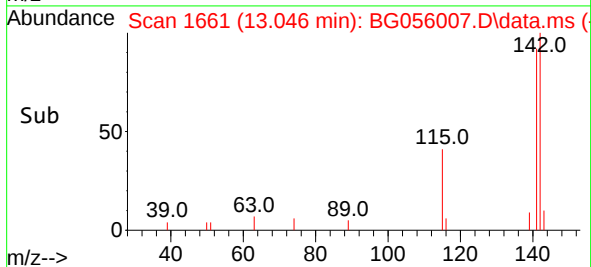
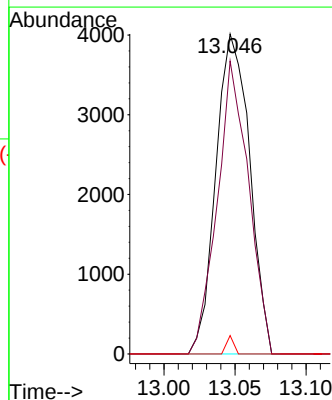
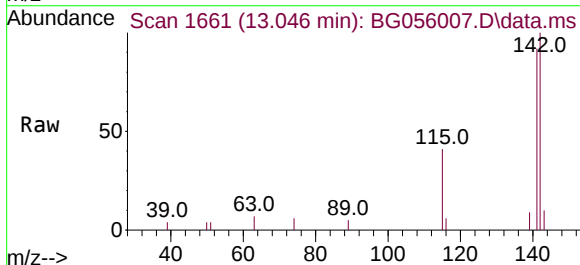
Instrument :
BNA_G
ClientSampleId :
RB-21-(6-8)DL

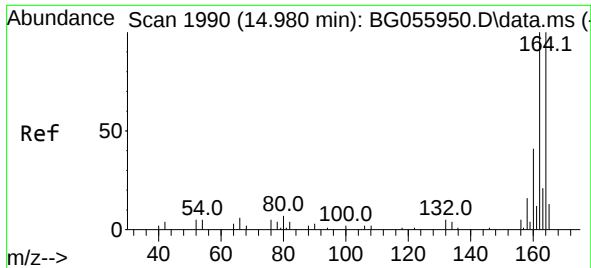
Tgt Ion:142 Resp: 8864
Ion Ratio Lower Upper
142 100
141 81.5 67.8 101.6
115 41.6 35.7 53.5



#38
1-Methylnaphthalene
Concen: 4.170 ng
RT: 13.046 min Scan# 1661
Delta R.T. -0.007 min
Lab File: BG056007.D
Acq: 16 Dec 2022 23:59

Tgt Ion:142 Resp: 6632
Ion Ratio Lower Upper
142 100
141 91.5 70.2 105.2
116 5.8 3.8 5.8#

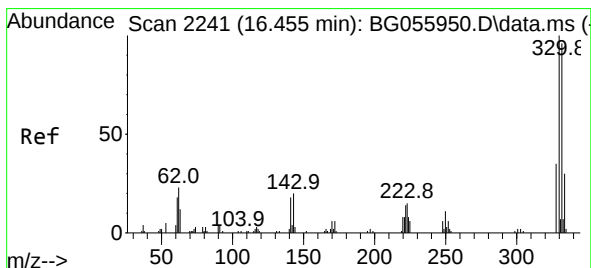
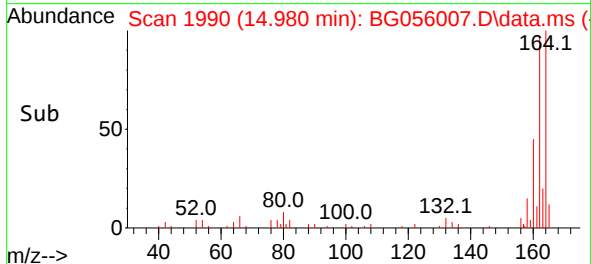
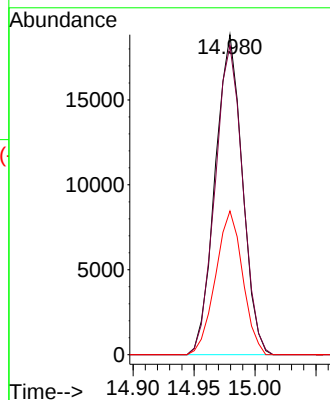
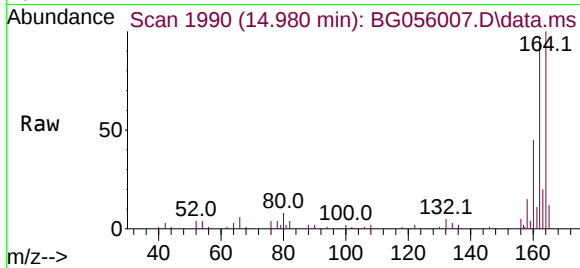




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.980 min Scan# 1990
 Delta R.T. -0.001 min
 Lab File: BG056007.D
 Acq: 16 Dec 2022 23:59

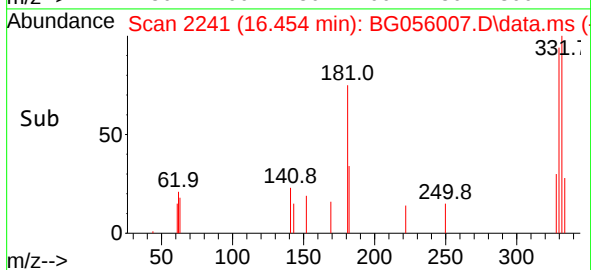
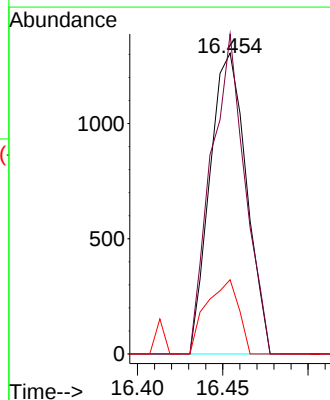
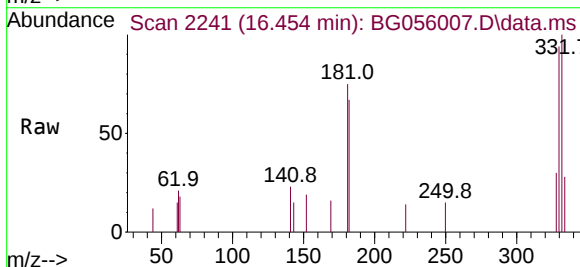
Instrument :
 BNA_G
 ClientSampleId :
 RB-21-(6-8)DL

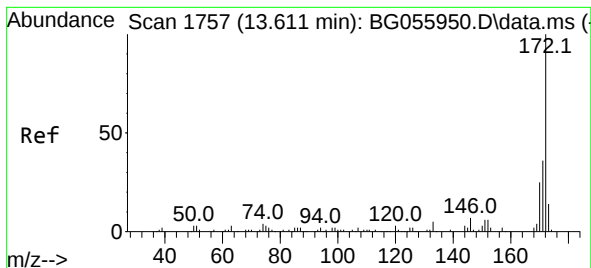
Tgt Ion:164	Resp:	29180
Ion Ratio	Lower	Upper
164	100	
162	96.6	79.8 119.8
160	44.9	33.0 49.4



#42
 2,4,6-Tribromophenol
 Concen: 2.771 ng
 RT: 16.454 min Scan# 2241
 Delta R.T. -0.007 min
 Lab File: BG056007.D
 Acq: 16 Dec 2022 23:59

Tgt Ion:330	Resp:	1950
Ion Ratio	Lower	Upper
330	100	
332	98.5	76.6 114.8
141	21.7	15.0 22.4





#45

2-Fluorobiphenyl

Concen: 1.897 ng

RT: 13.605 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG056007.D

Acq: 16 Dec 2022 23:59

Instrument :

BNA_G

ClientSampleId :

RB-21-(6-8)DL

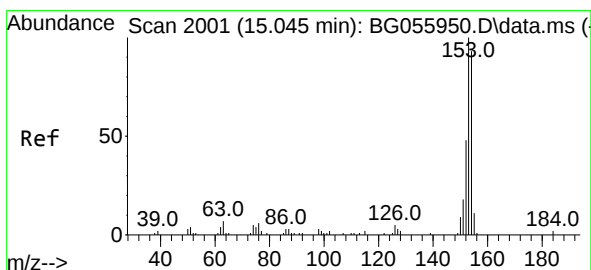
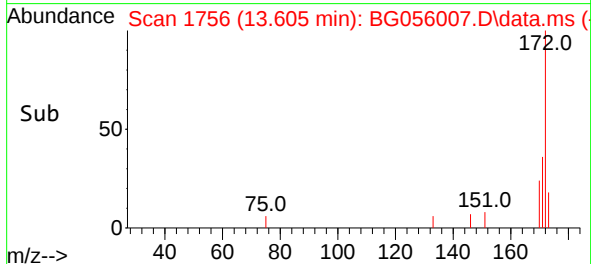
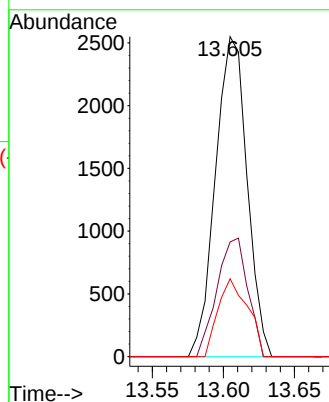
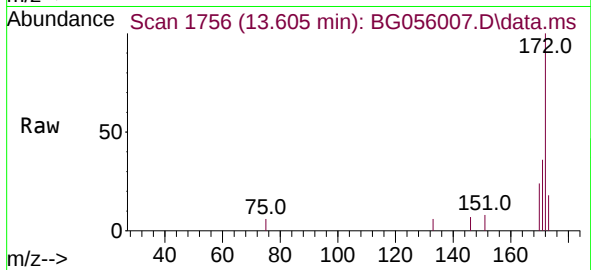
Tgt Ion:172 Resp: 3947

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 24.3 19.9 29.9



#52

Acenaphthene

Concen: 3.904 ng

RT: 15.038 min Scan# 2000

Delta R.T. -0.007 min

Lab File: BG056007.D

Acq: 16 Dec 2022 23:59

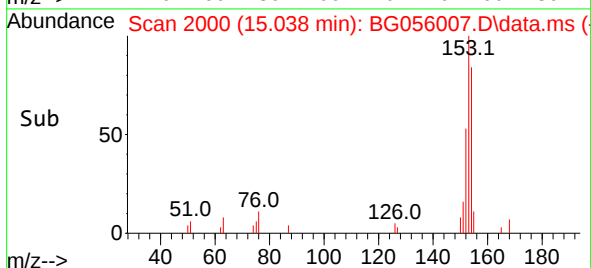
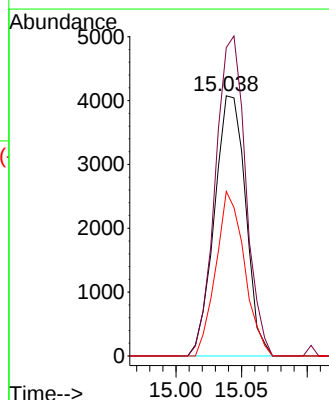
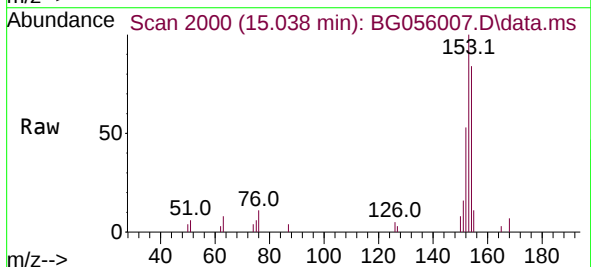
Tgt Ion:154 Resp: 6724

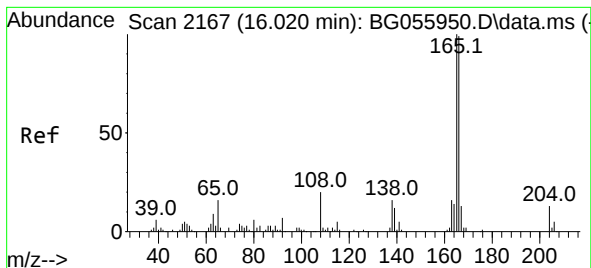
Ion Ratio Lower Upper

154 100

153 118.5 86.2 129.2

152 63.2 41.4 62.0#





#58

Fluorene

Concen: 3.560 ng

RT: 16.019 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG056007.D

Acq: 16 Dec 2022 23:59

Instrument :

BNA_G

ClientSampleId :

RB-21-(6-8)DL

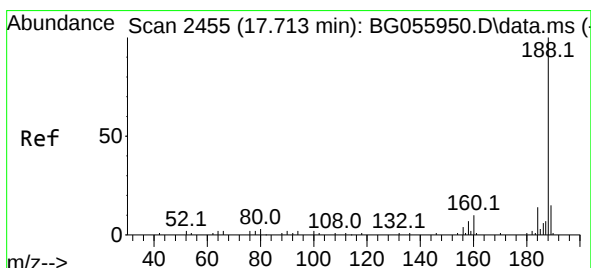
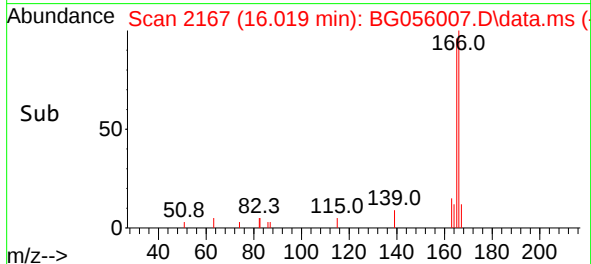
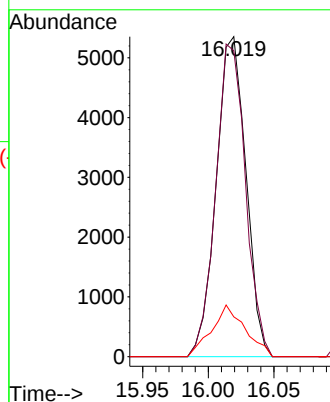
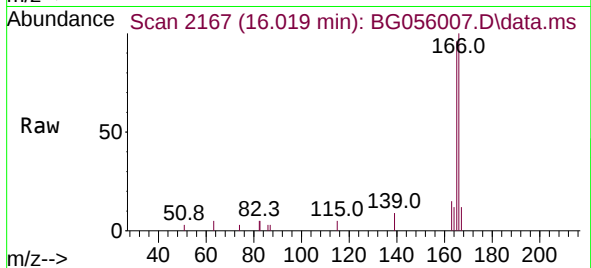
Tgt Ion:166 Resp: 8428

Ion Ratio Lower Upper

166 100

165 95.6 81.1 121.7

167 12.4 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.717 min Scan# 2456

Delta R.T. -0.001 min

Lab File: BG056007.D

Acq: 16 Dec 2022 23:59

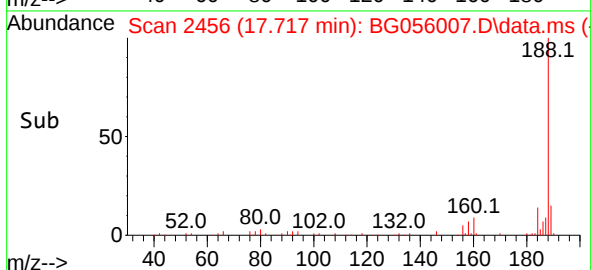
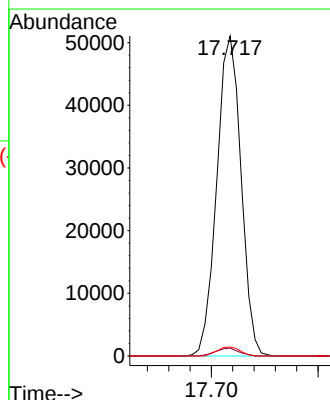
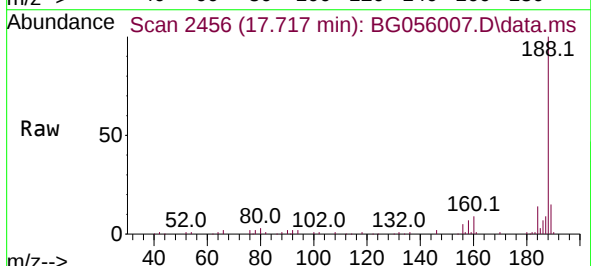
Tgt Ion:188 Resp: 80475

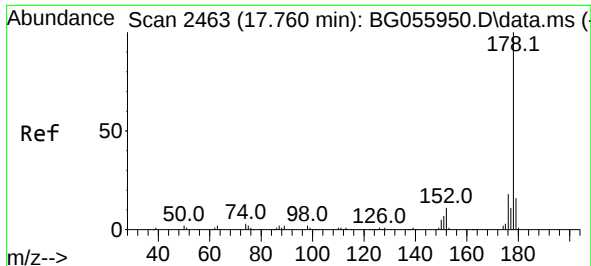
Ion Ratio Lower Upper

188 100

94 2.5 1.8 2.8

80 2.8 2.4 3.6

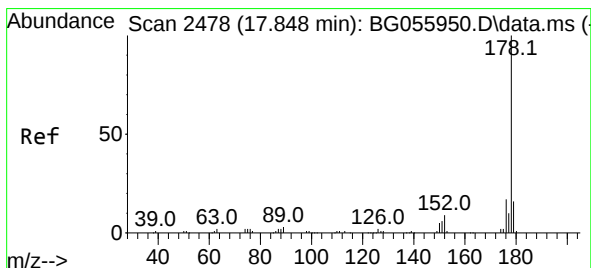
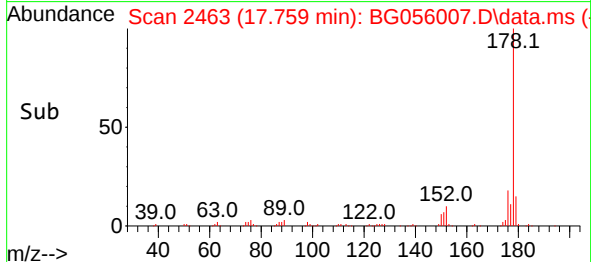
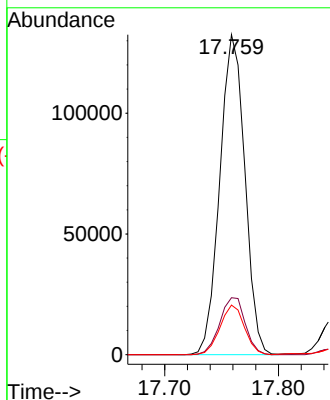
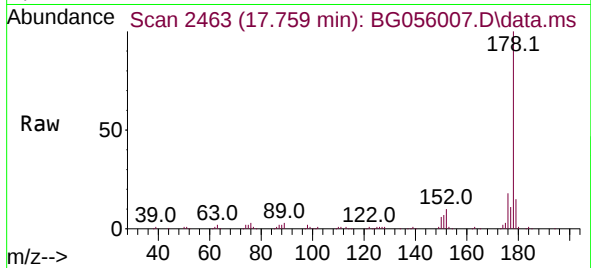




#71
Phenanthrene
Concen: 48.039 ng
RT: 17.759 min Scan# 2463
Delta R.T. -0.001 min
Lab File: BG056007.D
Acq: 16 Dec 2022 23:59

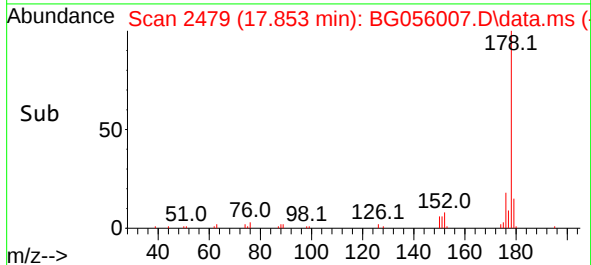
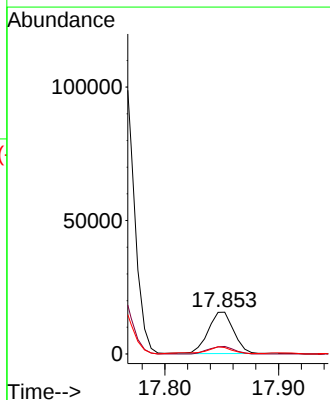
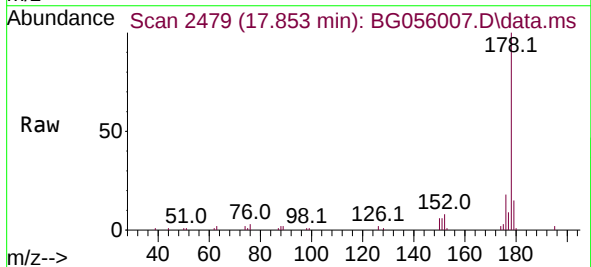
Instrument :
BNA_G
ClientSampleId :
RB-21-(6-8)DL

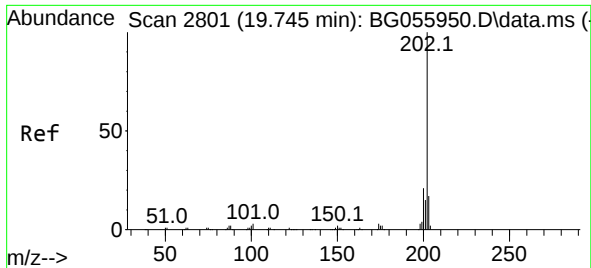
Tgt Ion:178 Resp: 202595
Ion Ratio Lower Upper
178 100
176 17.8 14.4 21.6
179 15.5 12.7 19.1



#72
Anthracene
Concen: 5.784 ng
RT: 17.853 min Scan# 2479
Delta R.T. -0.001 min
Lab File: BG056007.D
Acq: 16 Dec 2022 23:59

Tgt Ion:178 Resp: 24134
Ion Ratio Lower Upper
178 100
176 17.8 13.9 20.9
179 15.2 12.7 19.1

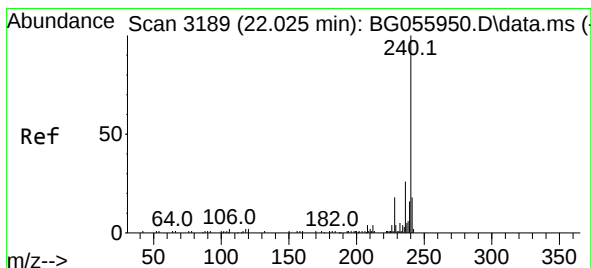
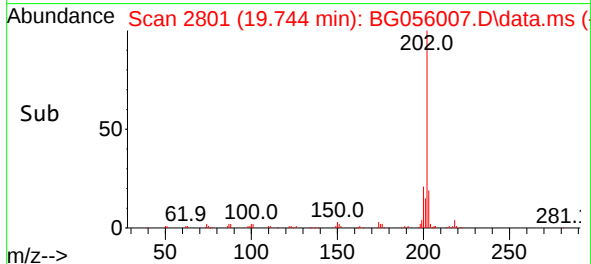
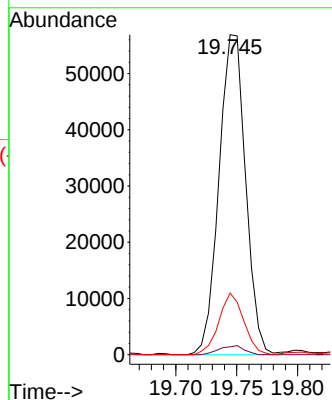
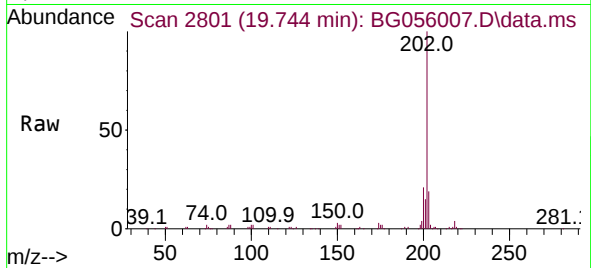




#75
Fluoranthene
Concen: 14.665 ng
RT: 19.744 min Scan# 2801
Delta R.T. -0.007 min
Lab File: BG056007.D
Acq: 16 Dec 2022 23:59

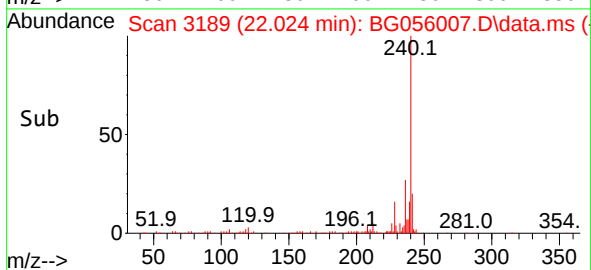
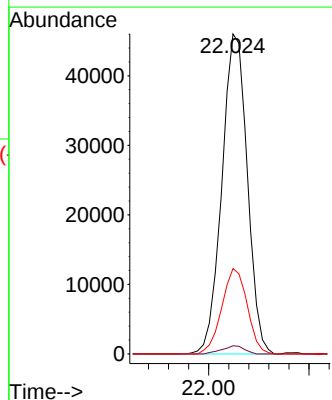
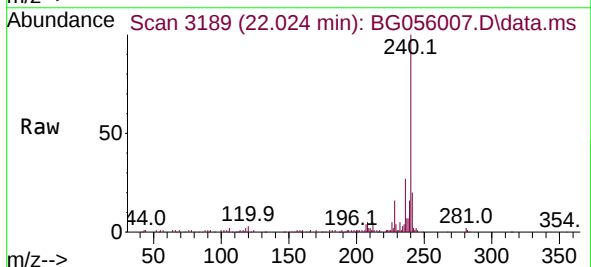
Instrument :
BNA_G
ClientSampleId :
RB-21-(6-8)DL

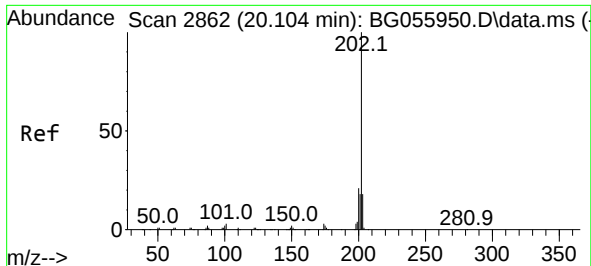
Tgt Ion:202 Resp: 86603
Ion Ratio Lower Upper
202 100
101 2.5 0.0 22.6
203 19.3 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.024 min Scan# 3189
Delta R.T. -0.007 min
Lab File: BG056007.D
Acq: 16 Dec 2022 23:59

Tgt Ion:240 Resp: 80768
Ion Ratio Lower Upper
240 100
120 2.6 1.7 2.5#
236 26.7 21.1 31.7

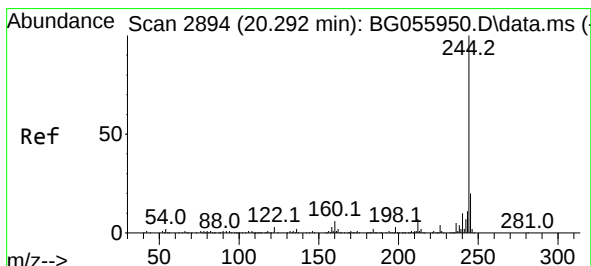
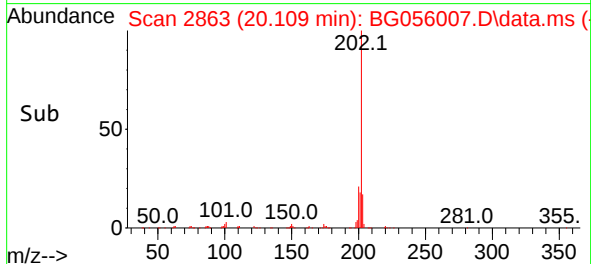
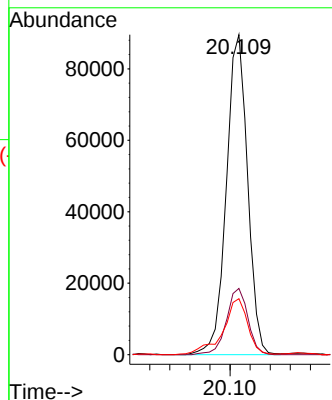
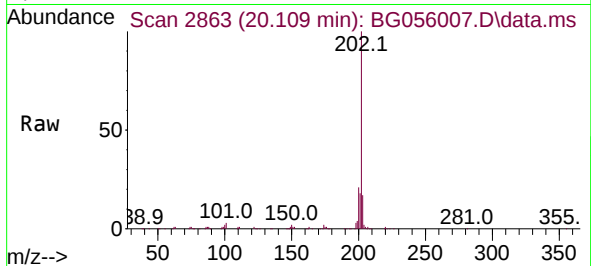




#78
Pyrene
Concen: 26.910 ng
RT: 20.109 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056007.D
Acq: 16 Dec 2022 23:59

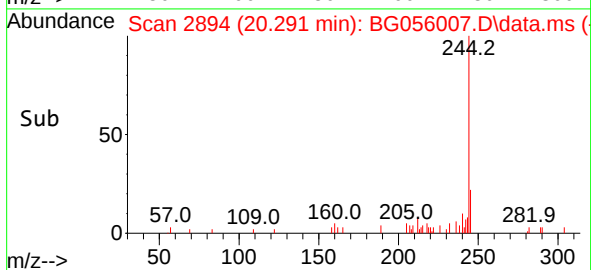
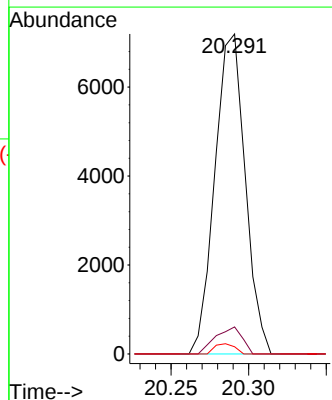
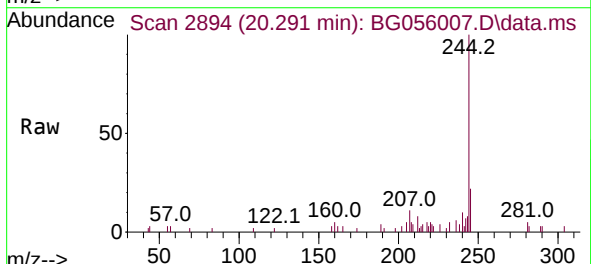
Instrument :
BNA_G
ClientSampleId :
RB-21-(6-8)DL

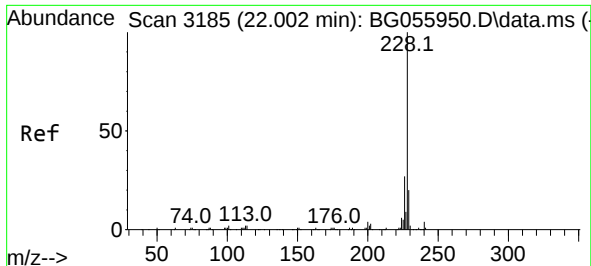
Tgt Ion:202 Resp: 131518
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 17.5 14.6 21.8



#79
Terphenyl-d14
Concen: 2.142 ng
RT: 20.291 min Scan# 2894
Delta R.T. -0.001 min
Lab File: BG056007.D
Acq: 16 Dec 2022 23:59

Tgt Ion:244 Resp: 9790
Ion Ratio Lower Upper
244 100
212 8.4 5.8 8.6
122 2.2 2.5 3.7#

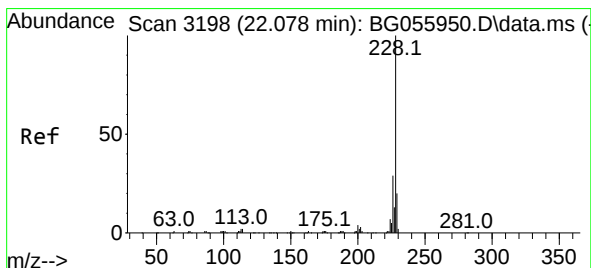
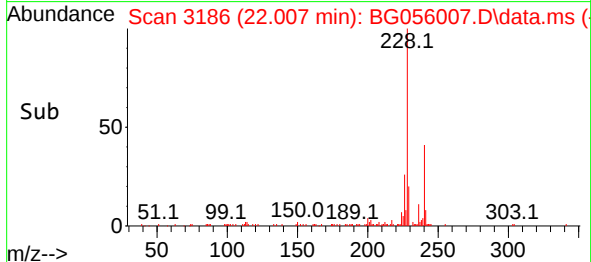
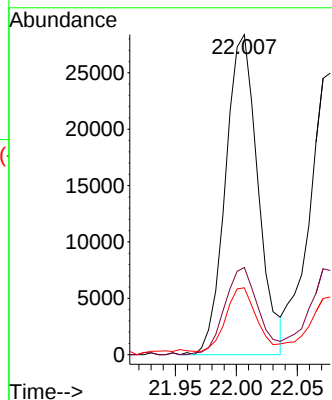
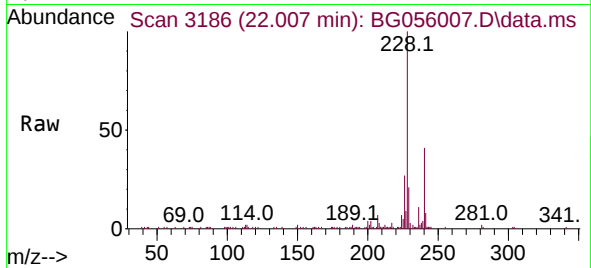




#81
Benzo(a)anthracene
Concen: 9.280 ng
RT: 22.007 min Scan# 3185
Delta R.T. -0.001 min
Lab File: BG056007.D
Acq: 16 Dec 2022 23:59

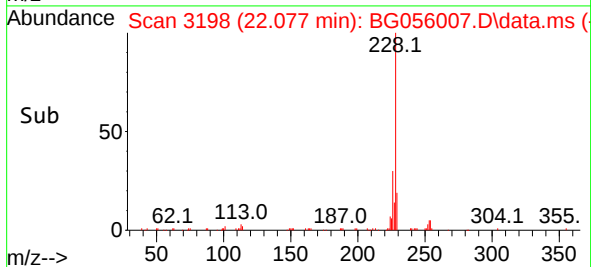
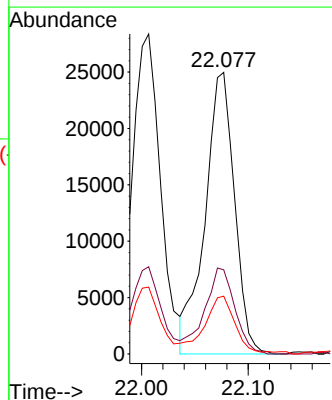
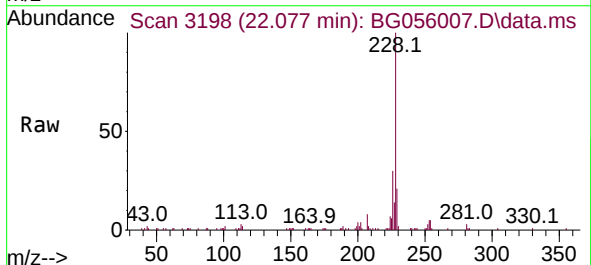
Instrument :
BNA_G
ClientSampleId :
RB-21-(6-8)DL

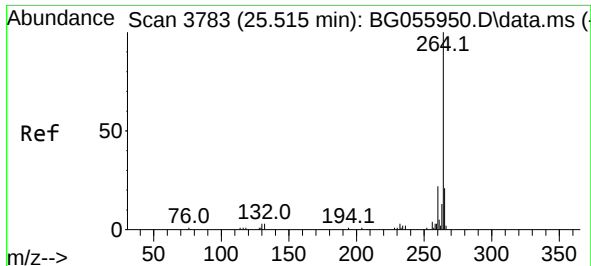
Tgt Ion:228 Resp: 52743
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.6
229 20.9 15.9 23.9



#83
Chrysene
Concen: 9.016 ng
RT: 22.077 min Scan# 3198
Delta R.T. -0.007 min
Lab File: BG056007.D
Acq: 16 Dec 2022 23:59

Tgt Ion:228 Resp: 48026
Ion Ratio Lower Upper
228 100
226 29.9 23.1 34.7
229 20.5 15.7 23.5

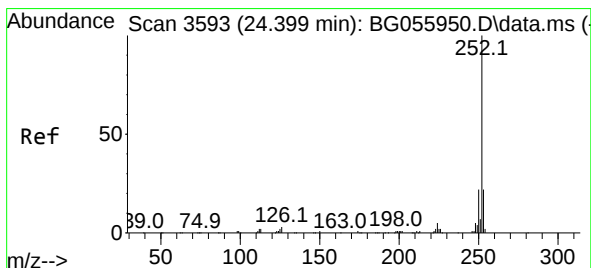
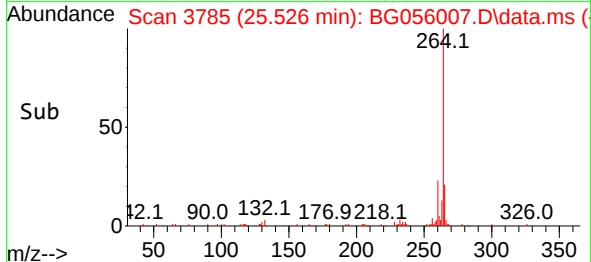
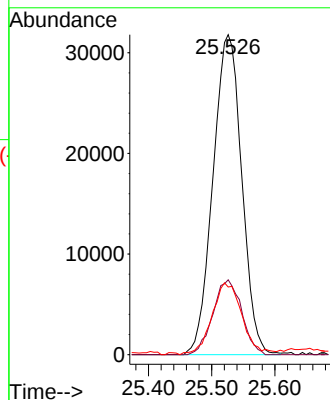
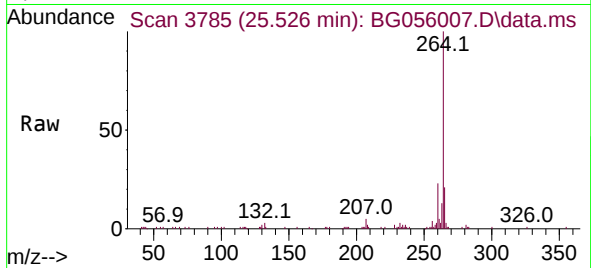




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.526 min Scan# 31
 Delta R.T. -0.007 min
 Lab File: BG056007.D
 Acq: 16 Dec 2022 23:59

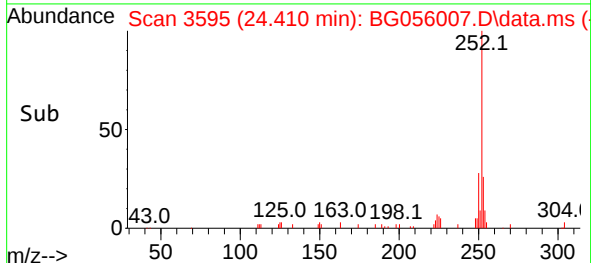
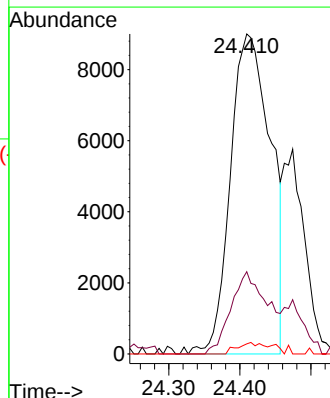
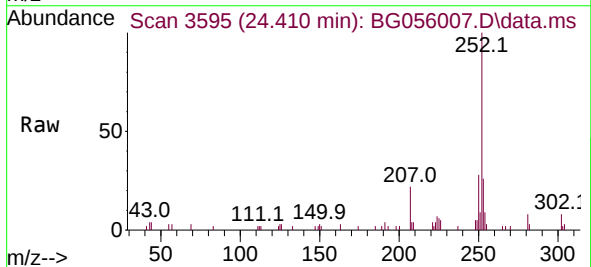
Instrument :
 BNA_G
 ClientSampleId :
 RB-21-(6-8)DL

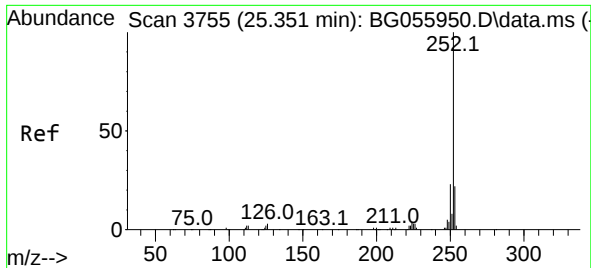
Tgt Ion:264 Resp: 100497
 Ion Ratio Lower Upper
 264 100
 260 23.4 17.8 26.8
 265 21.2 16.6 25.0



#88
 Benzo(b)fluoranthene
 Concen: 5.450 ng
 RT: 24.410 min Scan# 3595
 Delta R.T. -0.007 min
 Lab File: BG056007.D
 Acq: 16 Dec 2022 23:59

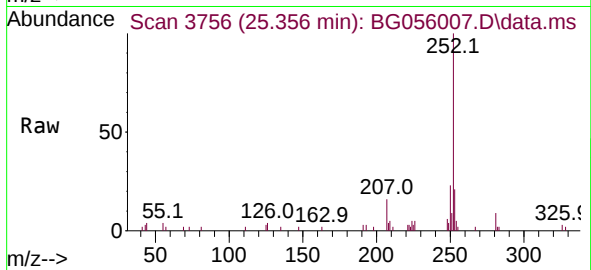
Tgt Ion:252 Resp: 35445
 Ion Ratio Lower Upper
 252 100
 253 25.7 17.4 26.0
 125 3.2 1.8 2.8#





#90
 Benzo(a)pyrene
 Concen: 5.012 ng
 RT: 25.356 min Scan# 31
 Delta R.T. -0.018 min
 Lab File: BG056007.D
 Acq: 16 Dec 2022 23:59

Instrument :
 BNA_G
 ClientSampleId :
 RB-21-(6-8)DL



Tgt Ion:	252	Resp:	27553
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.7	26.5
125	2.5	1.9	2.9

