

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
 Data File : BG056006.D
 Acq On : 16 Dec 2022 23:18
 Operator : CG/JU
 Sample : N6037-02DL 25X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-17-(1-3)DL

Quant Time: Dec 17 01:26:36 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)

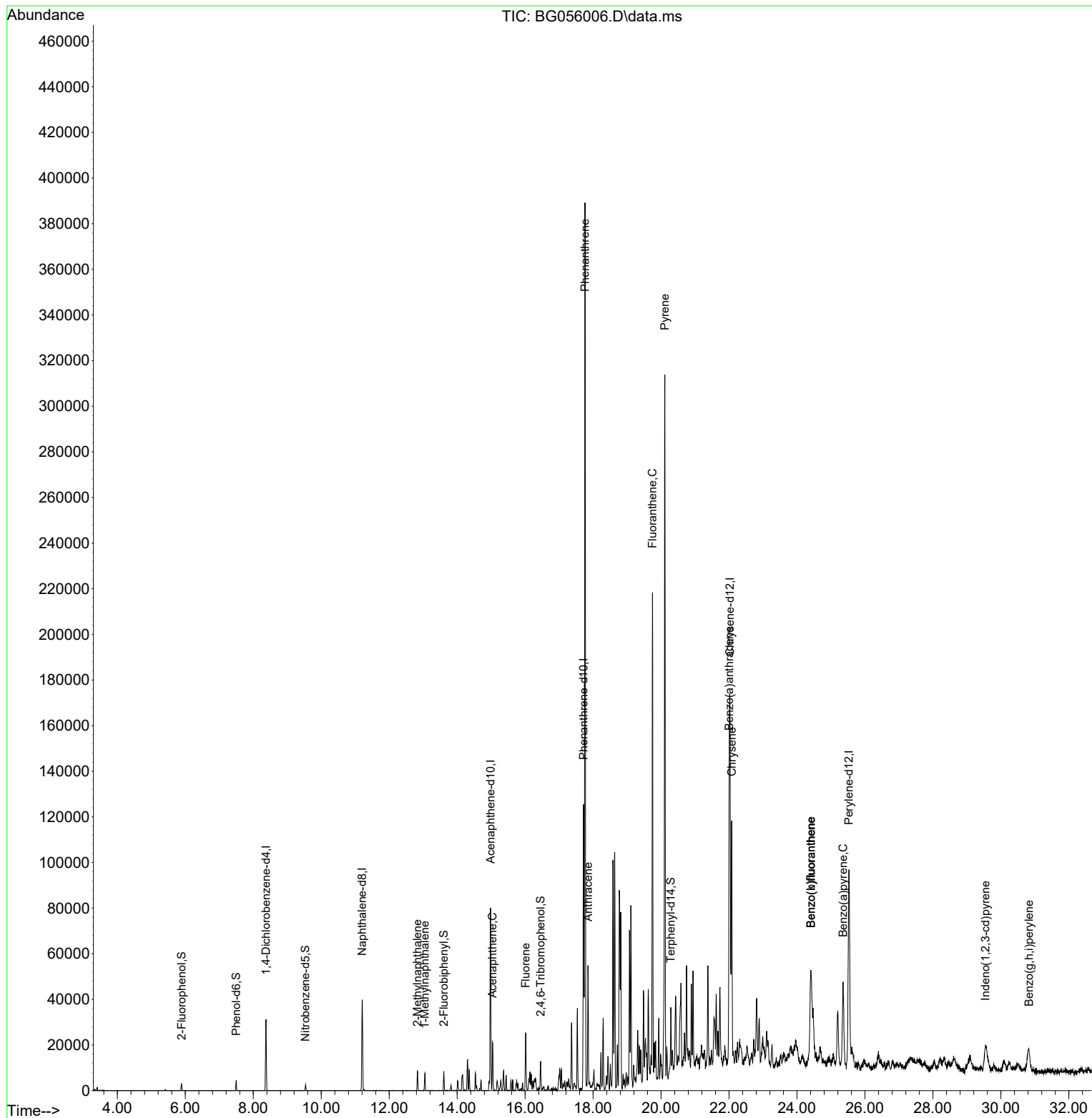
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.371	152	10007	20.000	ng	0.00
21) Naphthalene-d8	11.203	136	36110	20.000	ng	# 0.00
39) Acenaphthene-d10	14.981	164	32167	20.000	ng	0.00
64) Phenanthrene-d10	17.719	188	91713	20.000	ng	0.00
76) Chrysene-d12	22.026	240	93802	20.000	ng	0.00
86) Perylene-d12	25.528	264	114630	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.892	112	1782	4.176	ng	0.00
7) Phenol-d6	7.496	99	2401	4.375	ng	0.00
23) Nitrobenzene-d5	9.534	82	1645	3.183	ng	-0.01
42) 2,4,6-Tribromophenol	16.456	330	2905	3.745	ng	0.00
45) 2-Fluorobiphenyl	13.606	172	5950	2.594	ng	0.00
79) Terphenyl-d14	20.287	244	13655	2.573	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.831	142	4924	2.925	ng	99
38) 1-Methylnaphthalene	13.048	142	4463	2.722	ng	# 99
52) Acenaphthene	15.040	154	8233	4.337	ng	96
58) Fluorene	16.015	166	12277	4.704	ng	# 97
71) Phenanthrene	17.760	178	283527	58.991	ng	99
72) Anthracene	17.848	178	39055	8.214	ng	98
75) Fluoranthene	19.746	202	145194	21.574	ng	100
78) Pyrene	20.110	202	221575	39.037	ng	100
81) Benzo(a)anthracene	22.002	228	90854	13.764	ng	99
83) Chrysene	22.079	228	84091	13.593	ng	98
87) Indeno(1,2,3-cd)pyrene	29.546	276	30657	3.326	ng	# 99
88) Benzo(b)fluoranthene	24.411	252	58848	7.932	ng	99
89) Benzo(k)fluoranthene	24.411	252	58848	7.951	ng	97
90) Benzo(a)pyrene	25.357	252	51715	8.247	ng	99
92) Benzo(g,h,i)perylene	30.827	276	28468	3.816	ng	100

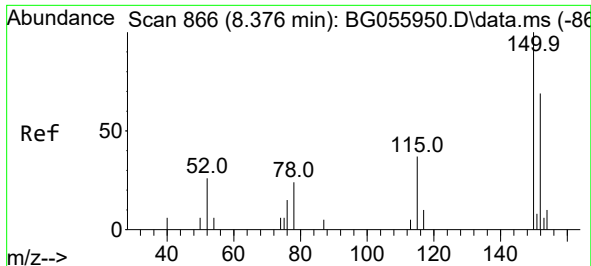
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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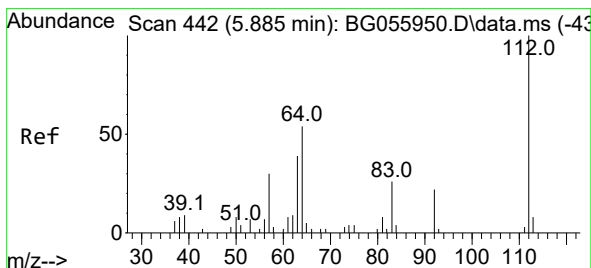
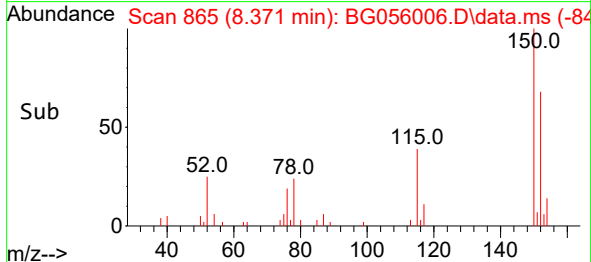
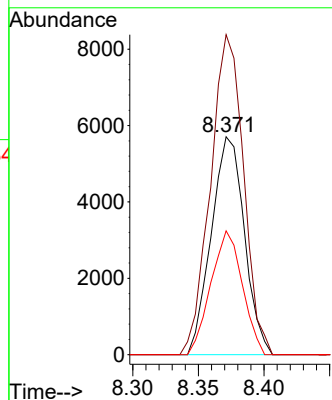
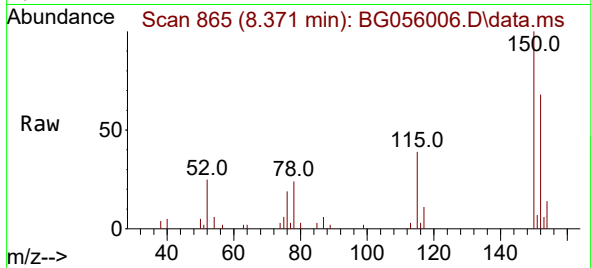




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.371 min Scan# 866
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

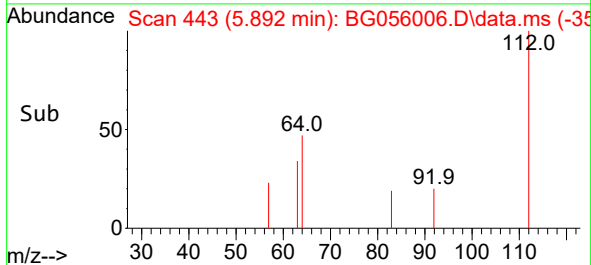
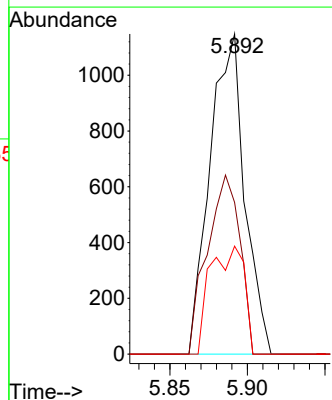
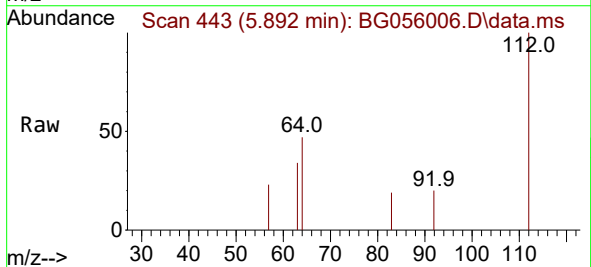
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)DL

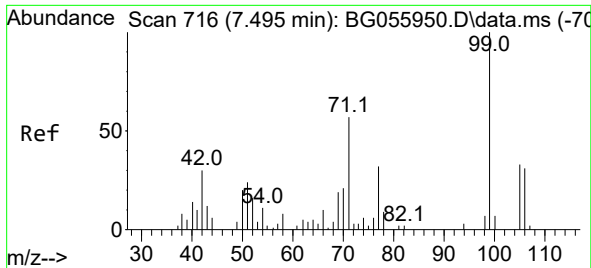
Tgt Ion:152 Resp: 10007
Ion Ratio Lower Upper
152 100
150 146.8 115.7 173.5
115 56.8 43.0 64.4



#5
2-Fluorophenol
Concen: 4.176 ng
RT: 5.892 min Scan# 443
Delta R.T. 0.007 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

Tgt Ion:112 Resp: 1782
Ion Ratio Lower Upper
112 100
64 47.4 43.0 64.4
63 33.7 31.4 47.2

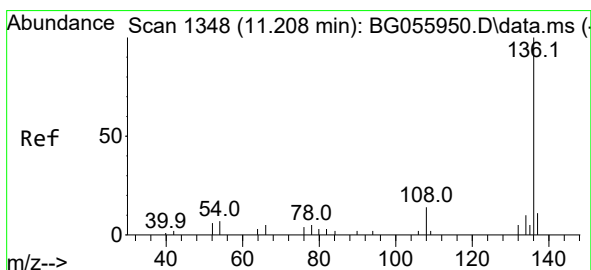
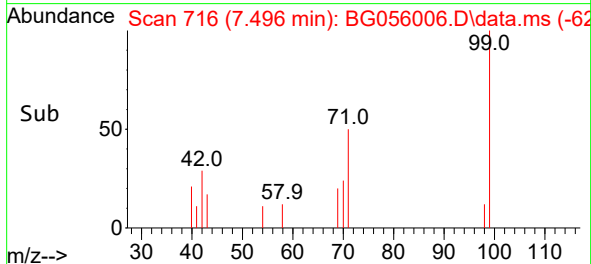
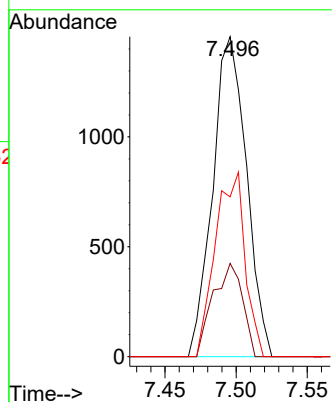
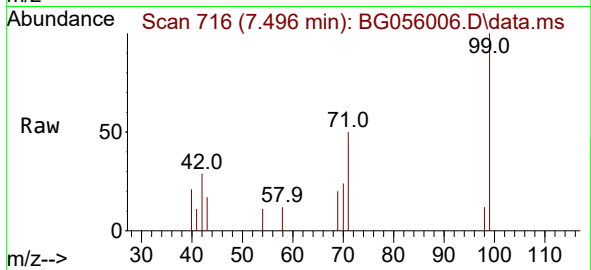




#7
Phenol-d6
Concen: 4.375 ng
RT: 7.496 min Scan# 716
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

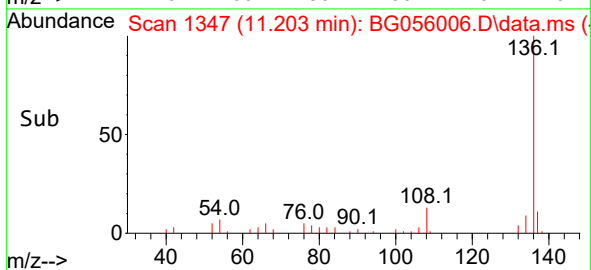
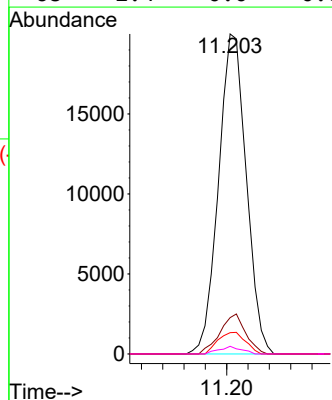
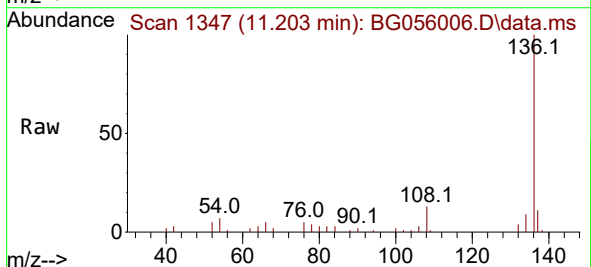
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)DL

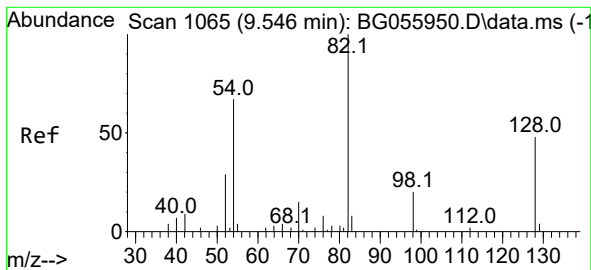
Tgt Ion: 99 Resp: 2401
Ion Ratio Lower Upper
99 100
42 29.1 24.3 36.5
71 49.9 45.6 68.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.203 min Scan# 1347
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

Tgt Ion:136 Resp: 36110
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 6.6 5.6 8.4
68 2.4 0.0 0.0#





#23

Nitrobenzene-d5

Concen: 3.183 ng

RT: 9.534 min Scan# 1063

Delta R.T. -0.011 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)DL

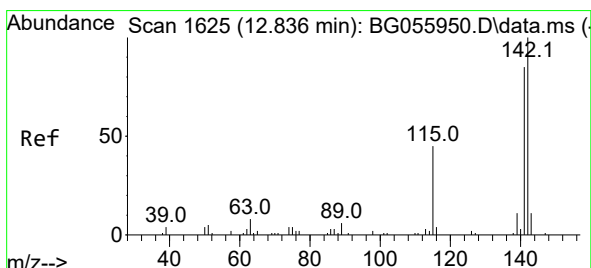
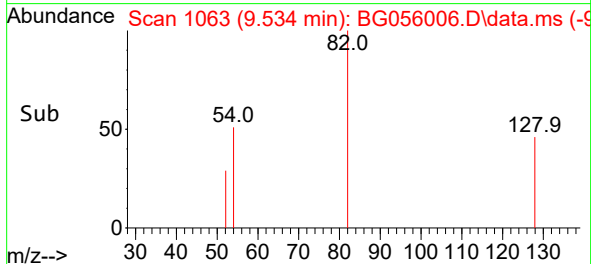
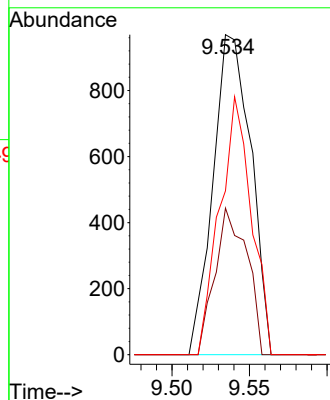
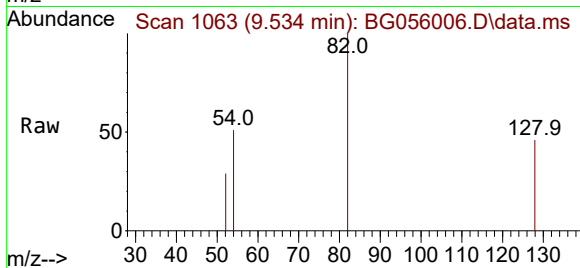
Tgt Ion: 82 Resp: 1645

Ion Ratio Lower Upper

82 100

128 45.8 38.4 57.6

54 51.2 53.3 79.9#



#37

2-Methylnaphthalene

Concen: 2.925 ng

RT: 12.831 min Scan# 1624

Delta R.T. -0.005 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

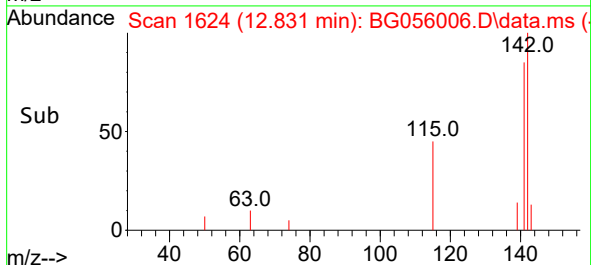
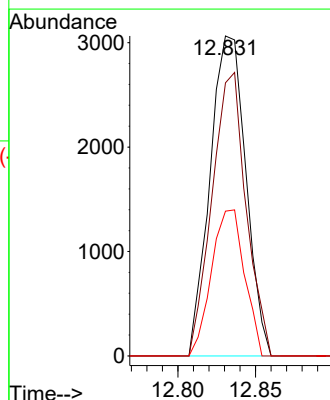
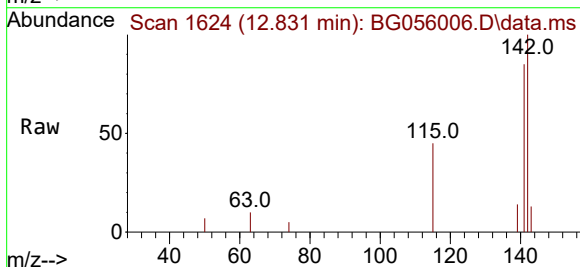
Tgt Ion: 142 Resp: 4924

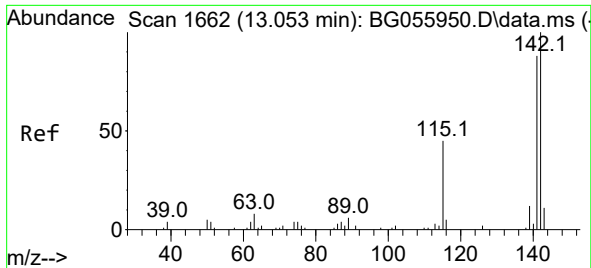
Ion Ratio Lower Upper

142 100

141 85.3 67.8 101.6

115 45.3 35.7 53.5

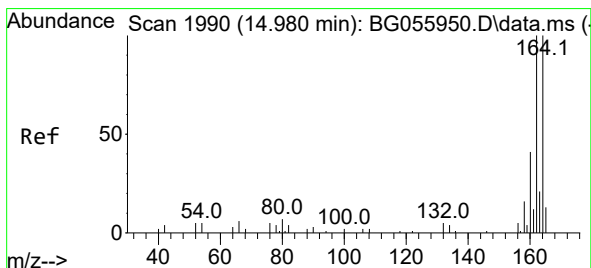
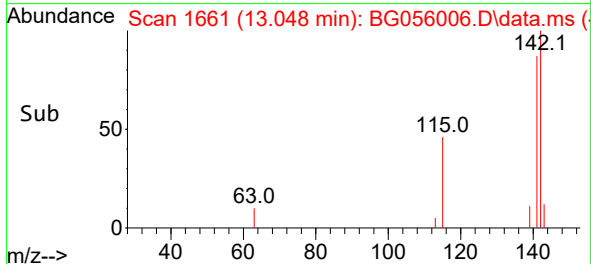
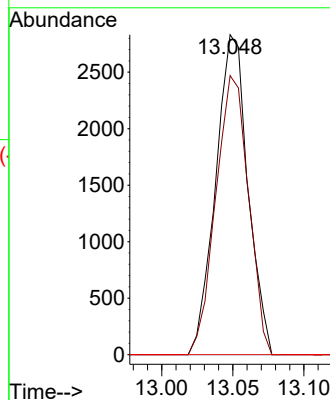
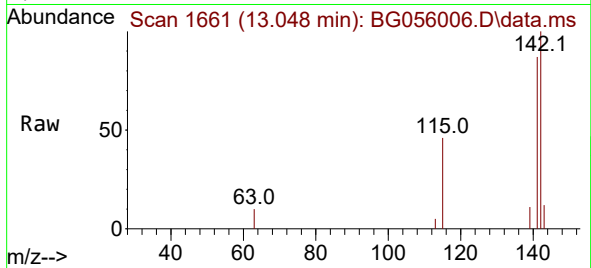




#38
1-Methylnaphthalene
Concen: 2.722 ng
RT: 13.048 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

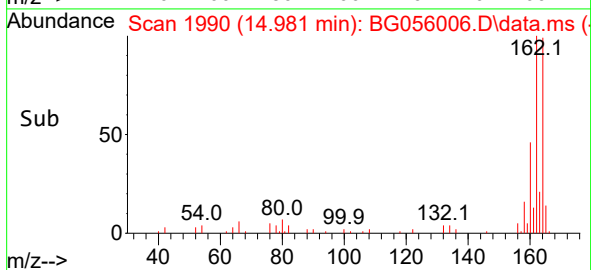
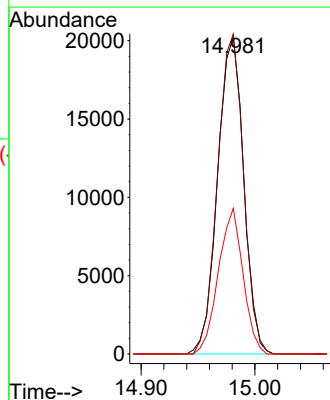
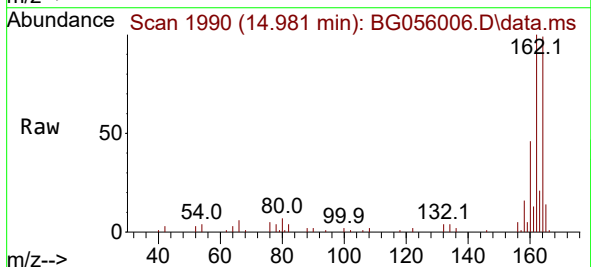
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)DL

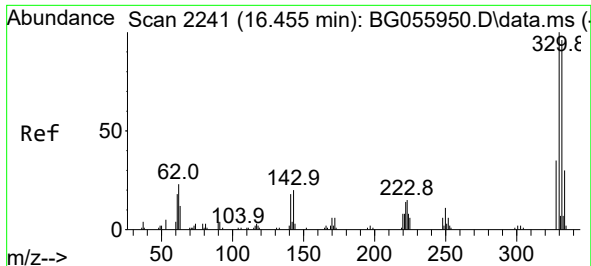
Tgt Ion:142 Resp: 4463
Ion Ratio Lower Upper
142 100
141 87.2 70.2 105.2
116 0.0 3.8 5.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.981 min Scan# 1990
Delta R.T. 0.001 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

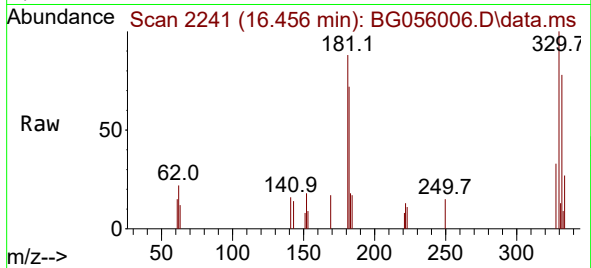
Tgt Ion:164 Resp: 32167
Ion Ratio Lower Upper
164 100
162 100.9 79.8 119.8
160 45.9 33.0 49.4



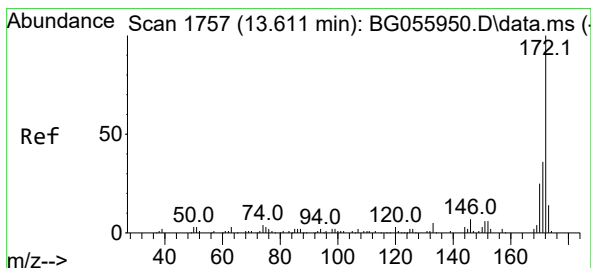
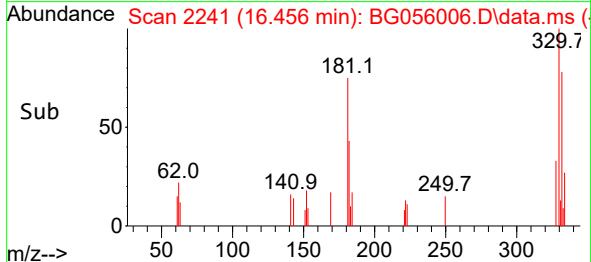
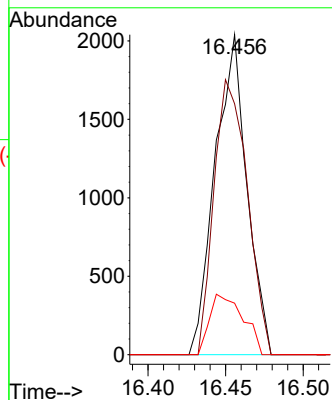


#42
2,4,6-Tribromophenol
Concen: 3.745 ng
RT: 16.456 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)DL

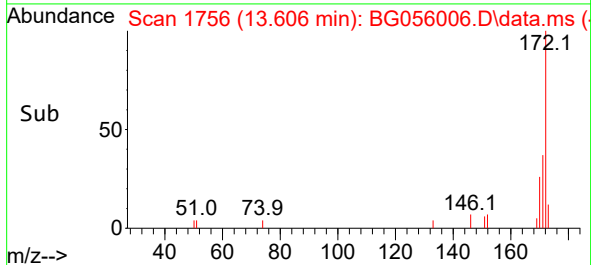
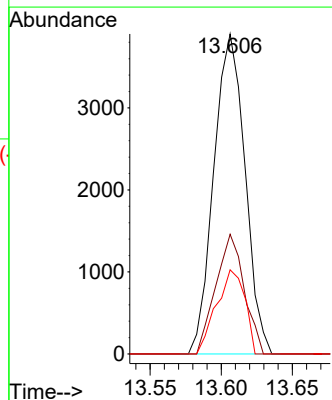
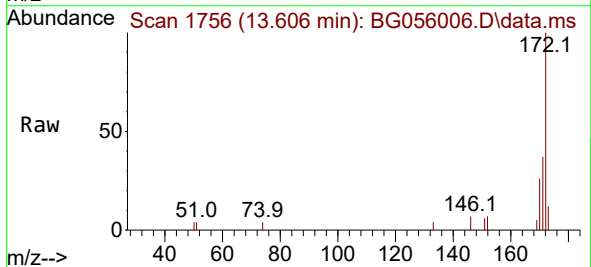


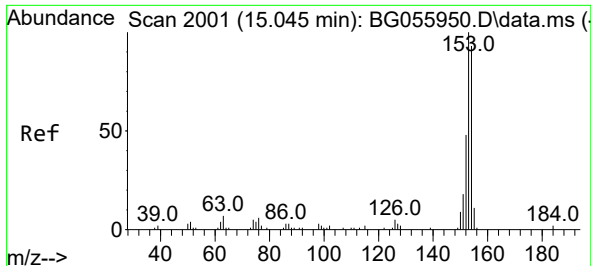
Tgt Ion:330 Resp: 2905
Ion Ratio Lower Upper
330 100
332 90.2 76.6 114.8
141 20.0 15.0 22.4



#45
2-Fluorobiphenyl
Concen: 2.594 ng
RT: 13.606 min Scan# 1756
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

Tgt Ion:172 Resp: 5950
Ion Ratio Lower Upper
172 100
171 37.4 28.6 42.8
170 26.3 19.9 29.9

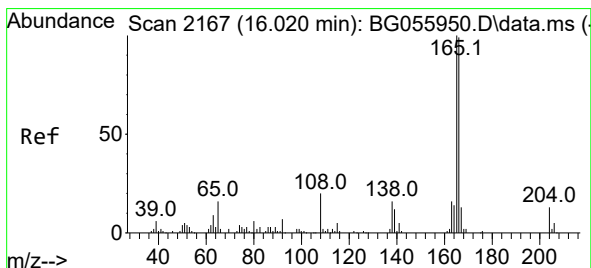
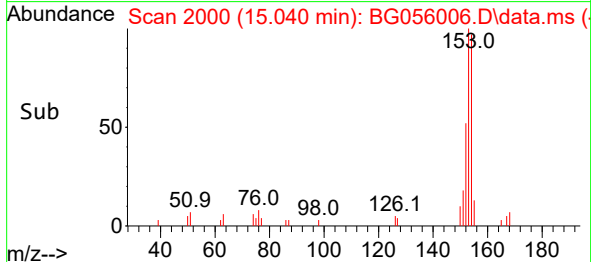
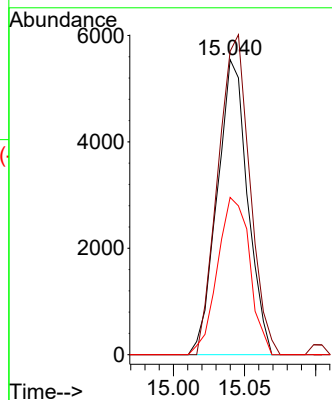
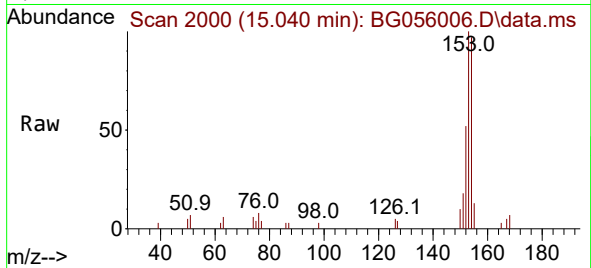




#52
Acenaphthene
Concen: 4.337 ng
RT: 15.040 min Scan# 2001
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

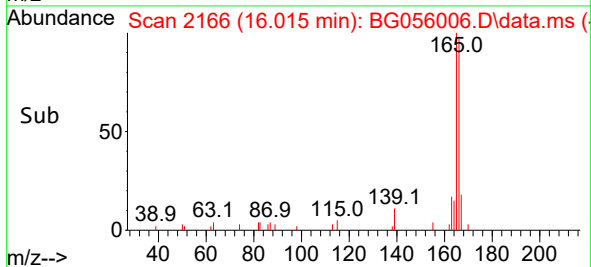
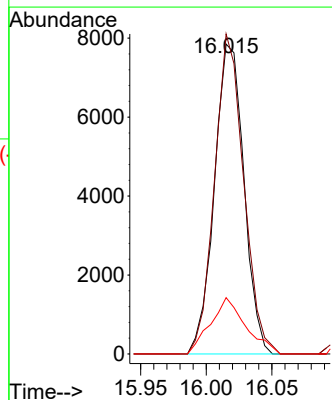
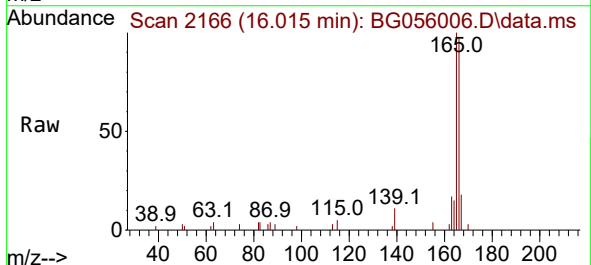
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ClientSampleId :
RB-17-(1-3)DL

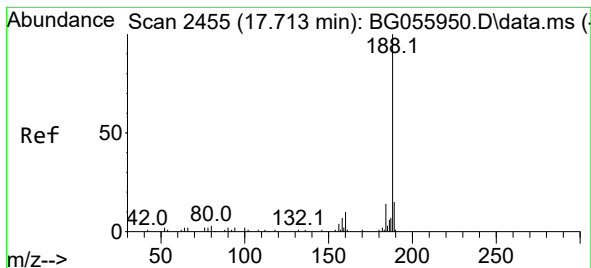
Tgt Ion:154 Resp: 8233
Ion Ratio Lower Upper
154 100
153 102.8 86.2 129.2
152 53.3 41.4 62.0



#58
Fluorene
Concen: 4.704 ng
RT: 16.015 min Scan# 2166
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

Tgt Ion:166 Resp: 12277
Ion Ratio Lower Upper
166 100
165 103.3 81.1 121.7
167 18.2 10.5 15.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.719 min Scan# 2455

Delta R.T. 0.001 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)DL

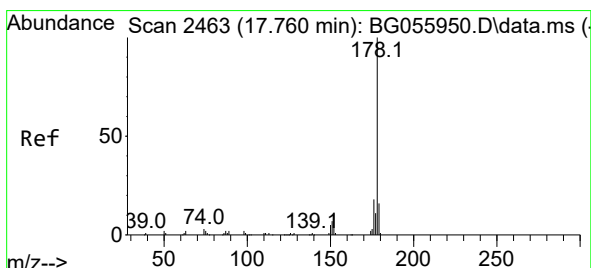
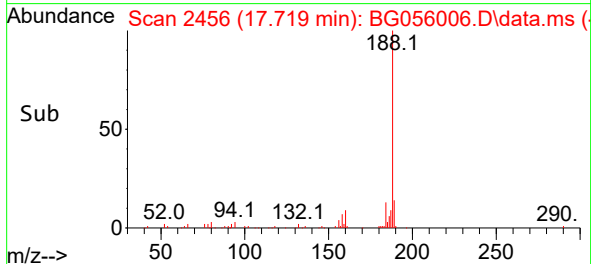
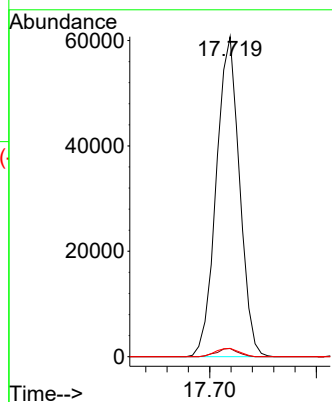
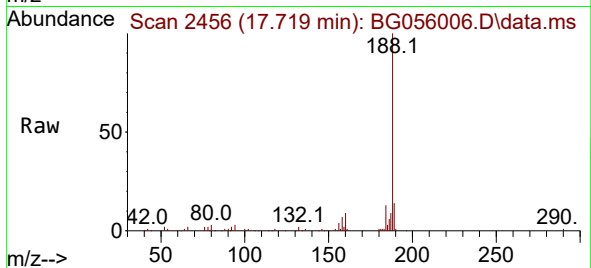
Tgt Ion:188 Resp: 91713

Ion Ratio Lower Upper

188 100

94 2.5 1.8 2.8

80 2.6 2.4 3.6



#71

Phenanthrene

Concen: 58.991 ng

RT: 17.760 min Scan# 2463

Delta R.T. 0.001 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

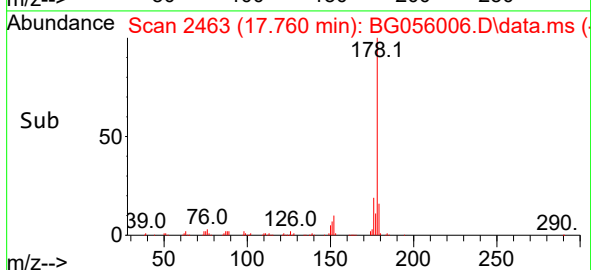
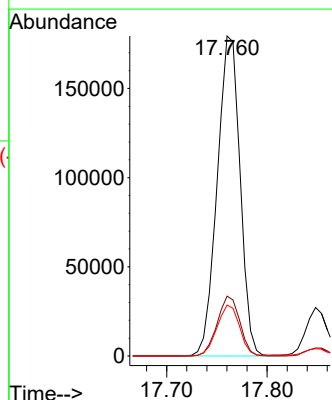
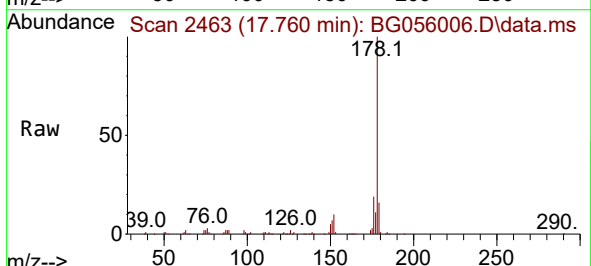
Tgt Ion:178 Resp: 283527

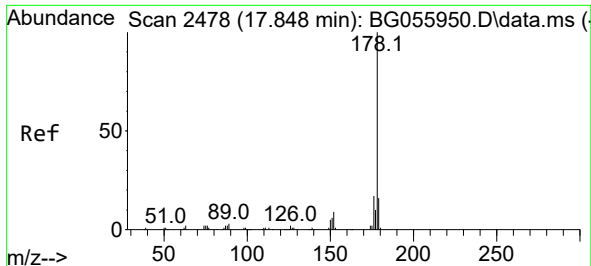
Ion Ratio Lower Upper

178 100

176 18.7 14.4 21.6

179 15.9 12.7 19.1

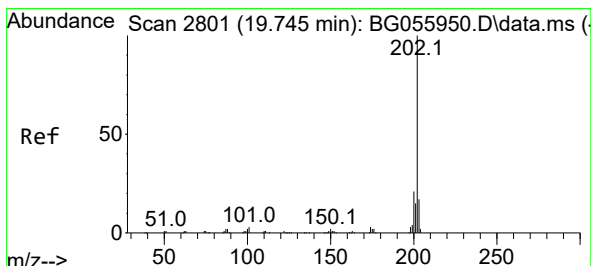
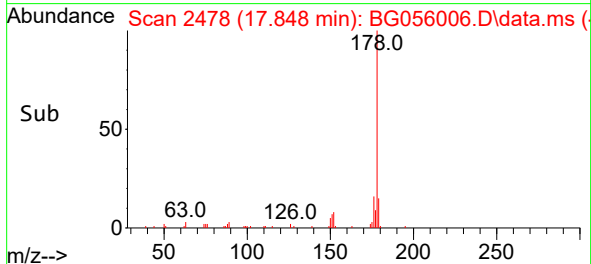
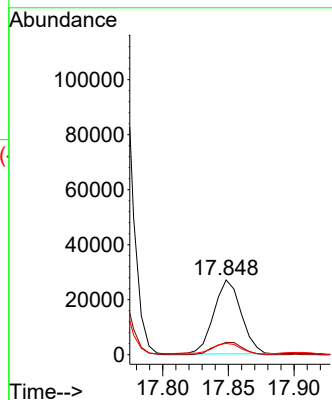
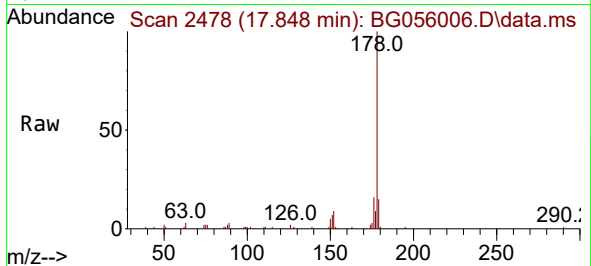




#72
 Anthracene
 Concen: 8.214 ng
 RT: 17.848 min Scan# 2478
 Delta R.T. -0.005 min
 Lab File: BG056006.D
 Acq: 16 Dec 2022 23:18

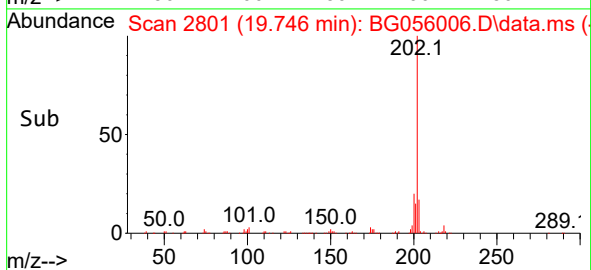
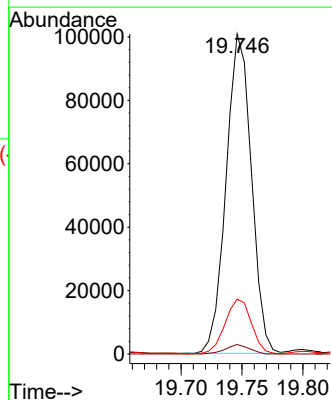
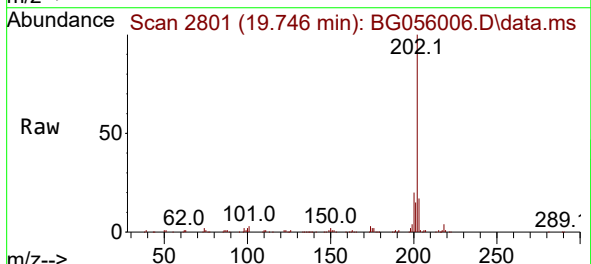
Instrument :
 BNA_G
 ClientSampleId :
 RB-17-(1-3)DL

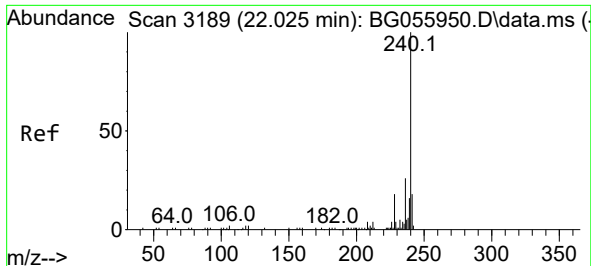
Tgt Ion:178 Resp: 39055
 Ion Ratio Lower Upper
 178 100
 176 16.4 13.9 20.9
 179 15.0 12.7 19.1



#75
 Fluoranthene
 Concen: 21.574 ng
 RT: 19.746 min Scan# 2801
 Delta R.T. -0.005 min
 Lab File: BG056006.D
 Acq: 16 Dec 2022 23:18

Tgt Ion:202 Resp: 145194
 Ion Ratio Lower Upper
 202 100
 101 2.9 0.0 22.6
 203 17.2 0.0 37.1

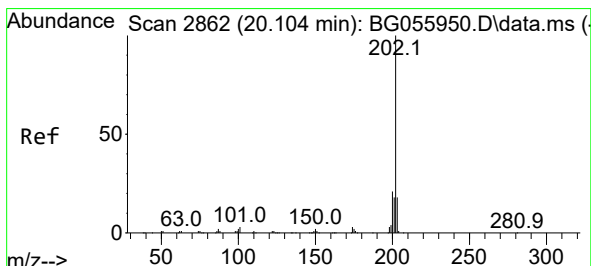
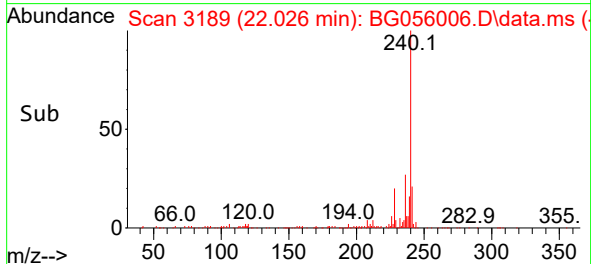
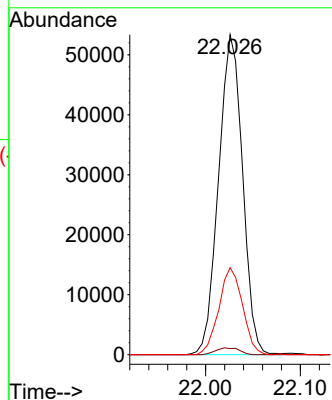
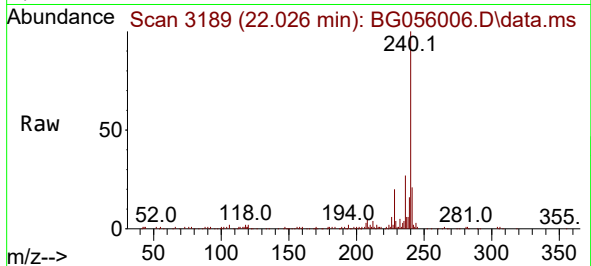




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.026 min Scan# 3189
Delta R.T. -0.005 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

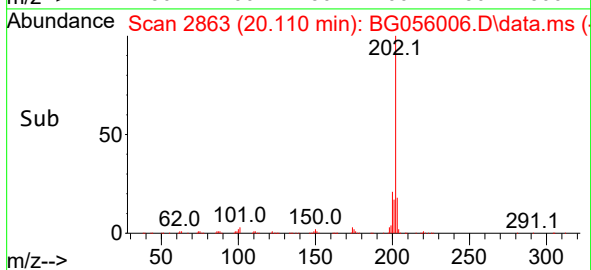
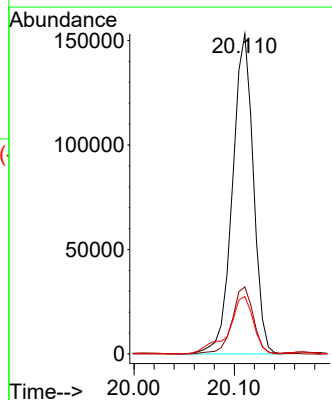
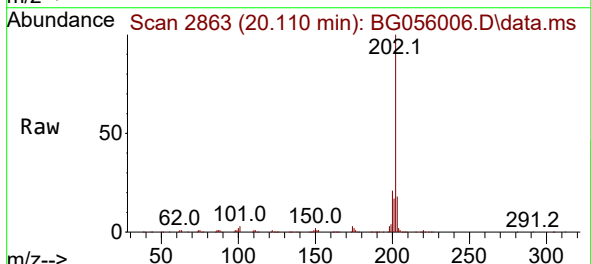
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)DL

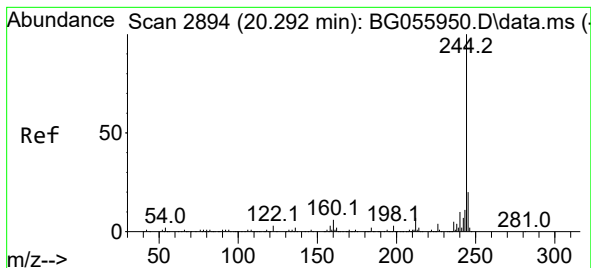
Tgt Ion:240 Resp: 93802
Ion Ratio Lower Upper
240 100
120 1.9 1.7 2.5
236 27.2 21.1 31.7



#78
Pyrene
Concen: 39.037 ng
RT: 20.110 min Scan# 2863
Delta R.T. 0.001 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

Tgt Ion:202 Resp: 221575
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 18.0 14.6 21.8





#79

Terphenyl-d14

Concen: 2.573 ng

RT: 20.287 min Scan# 2

Delta R.T. -0.005 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)DL

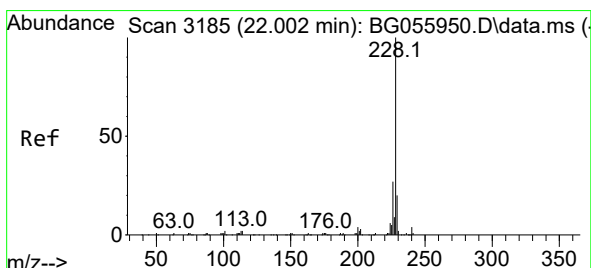
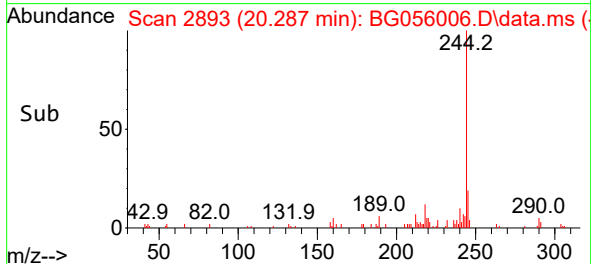
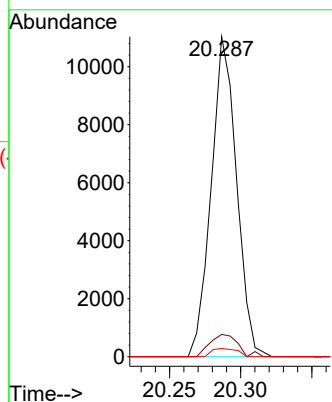
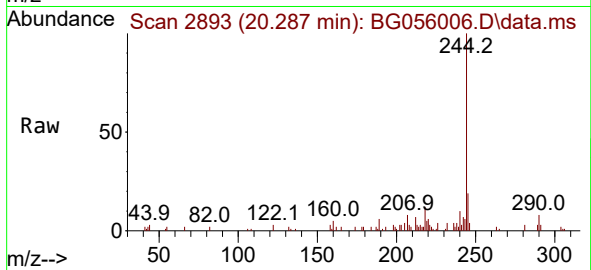
Tgt Ion:244 Resp: 13655

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 2.5 2.5 3.7



#81

Benzo(a)anthracene

Concen: 13.764 ng

RT: 22.002 min Scan# 3185

Delta R.T. -0.005 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

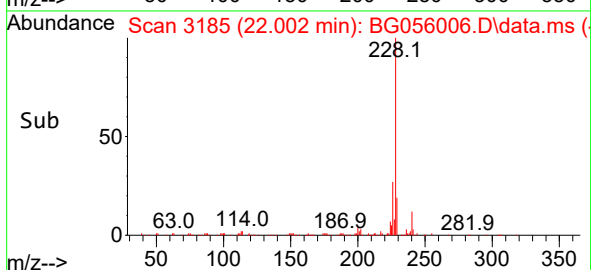
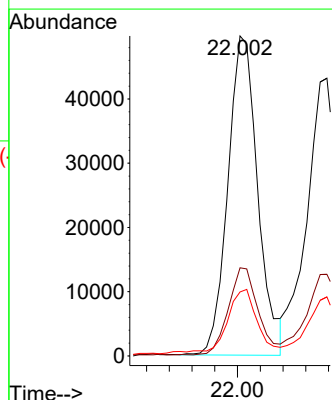
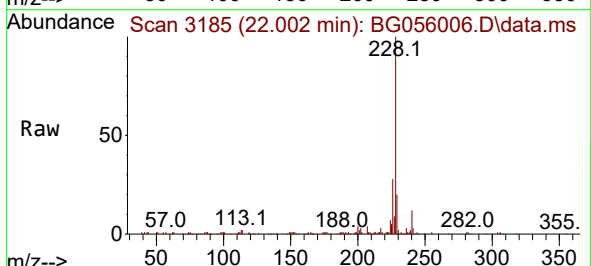
Tgt Ion:228 Resp: 90854

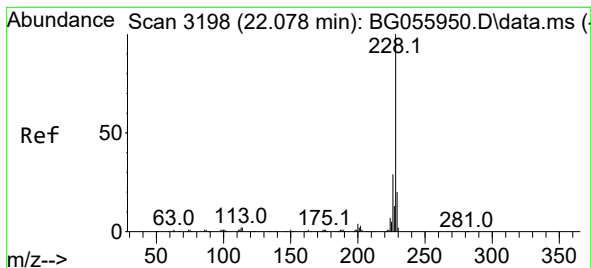
Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.6

229 20.0 15.9 23.9





#83

Chrysene

Concen: 13.593 ng

RT: 22.079 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)DL

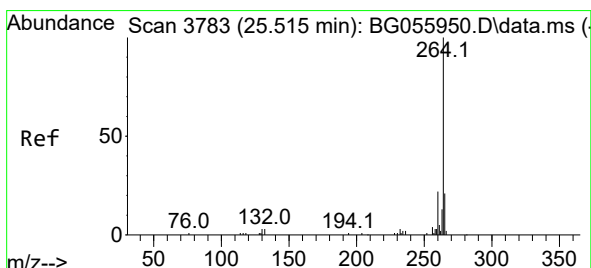
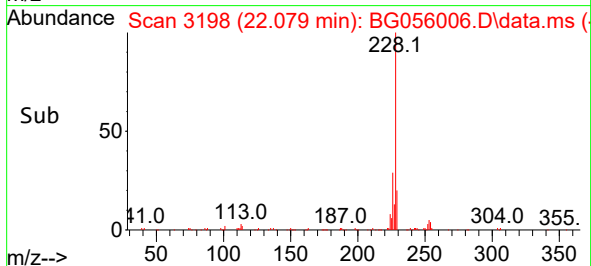
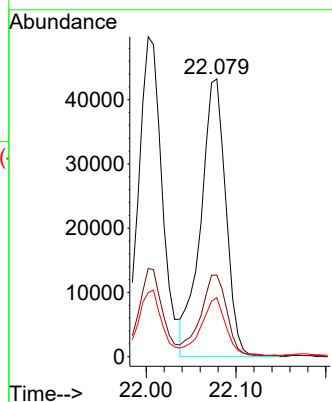
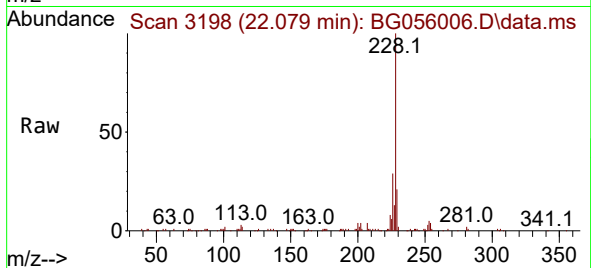
Tgt Ion:228 Resp: 84091

Ion Ratio Lower Upper

228 100

226 29.4 23.1 34.7

229 21.3 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.528 min Scan# 3785

Delta R.T. -0.005 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

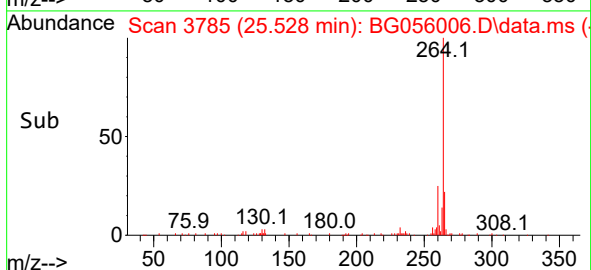
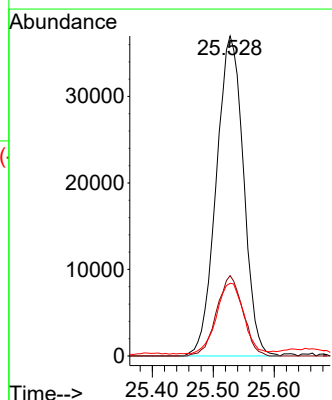
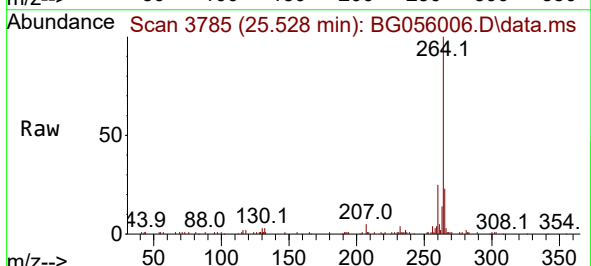
Tgt Ion:264 Resp: 114630

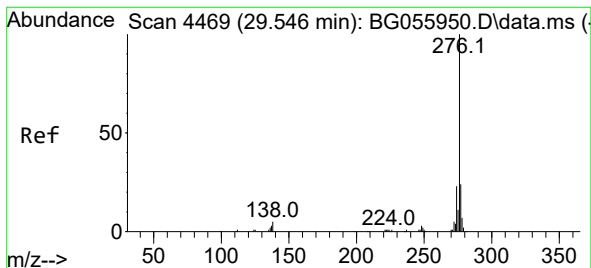
Ion Ratio Lower Upper

264 100

260 25.1 17.8 26.8

265 22.7 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.326 ng

RT: 29.546 min Scan# 4469

Delta R.T. -0.023 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

Instrument :

BNA_G

ClientSampleId :

RB-17-(1-3)DL

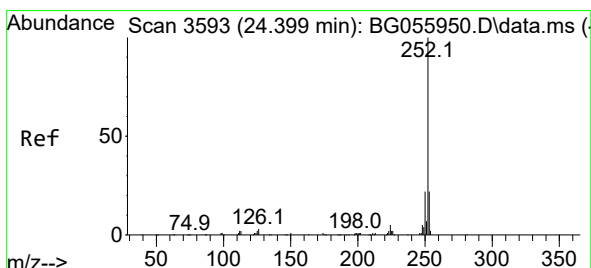
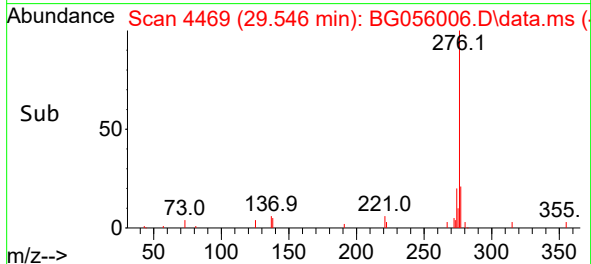
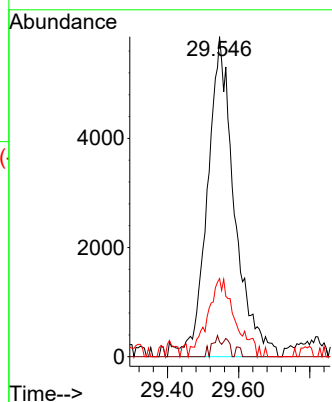
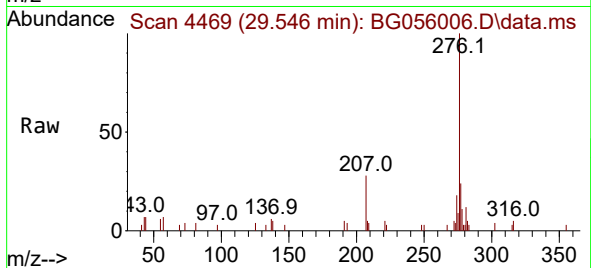
Tgt Ion:276 Resp: 30657

Ion Ratio Lower Upper

276 100

138 2.1 3.0 4.4#

277 25.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 7.932 ng

RT: 24.411 min Scan# 3595

Delta R.T. -0.005 min

Lab File: BG056006.D

Acq: 16 Dec 2022 23:18

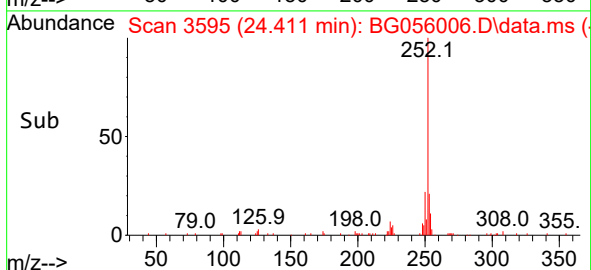
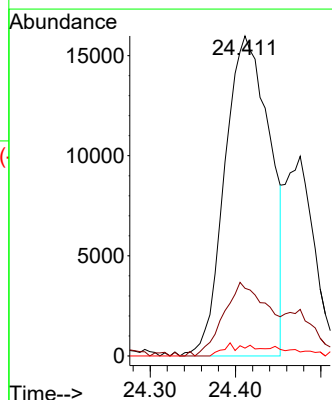
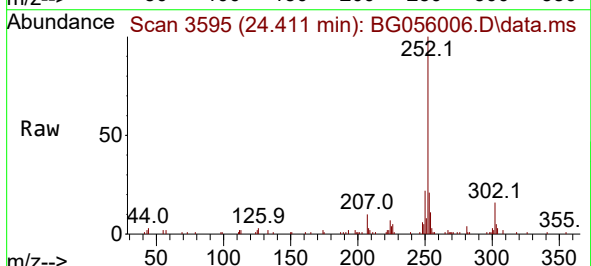
Tgt Ion:252 Resp: 58848

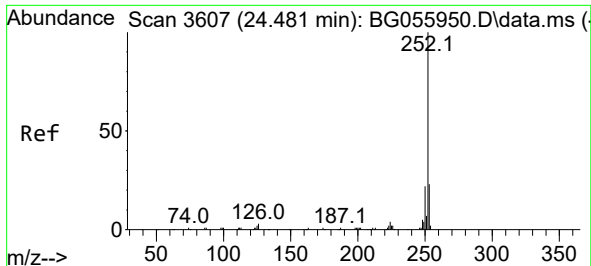
Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.0

125 2.5 1.8 2.8

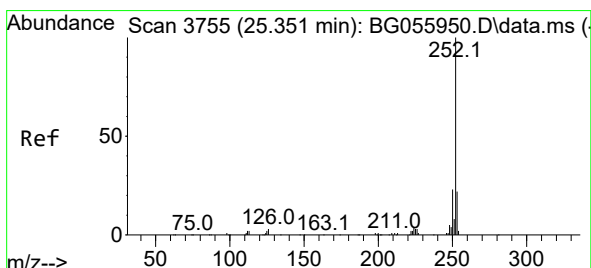
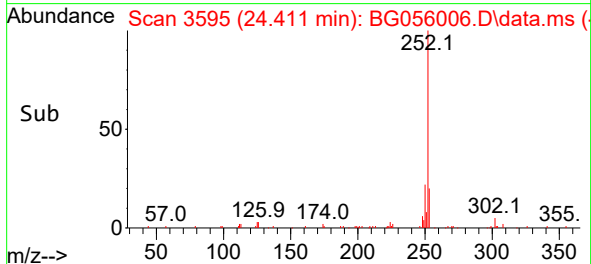
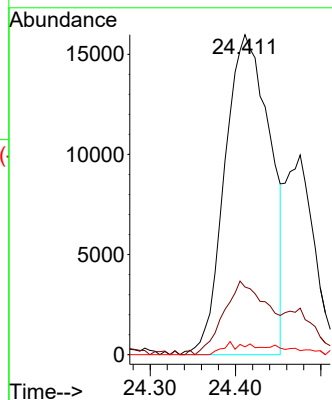
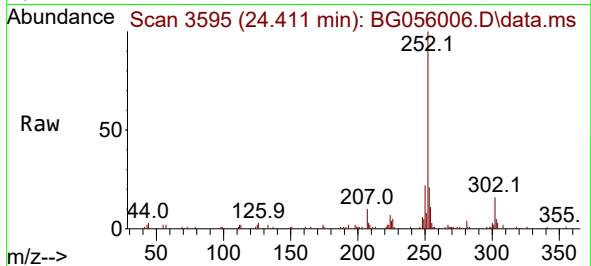




#89
Benzo(k)fluoranthene
Concen: 7.951 ng
RT: 24.411 min Scan# 31
Delta R.T. -0.076 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

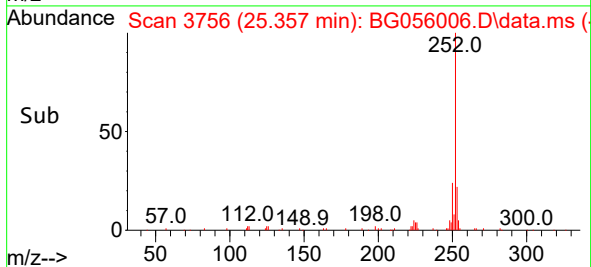
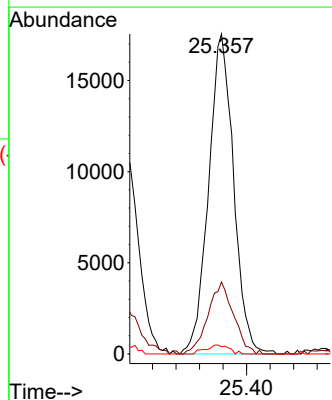
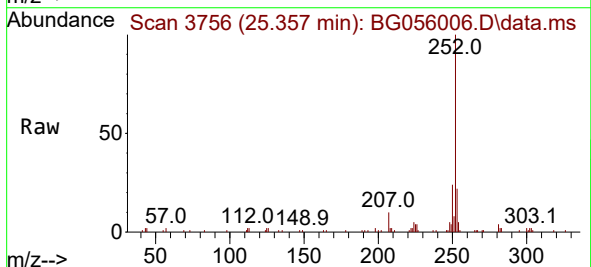
Instrument :
BNA_G
ClientSampleId :
RB-17-(1-3)DL

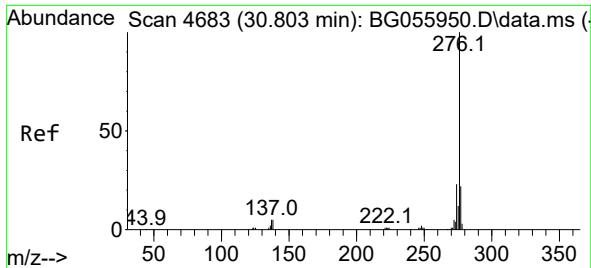
Tgt Ion:252 Resp: 58848
Ion Ratio Lower Upper
252 100
253 21.2 18.2 27.2
125 2.5 2.0 3.0



#90
Benzo(a)pyrene
Concen: 8.247 ng
RT: 25.357 min Scan# 3756
Delta R.T. -0.017 min
Lab File: BG056006.D
Acq: 16 Dec 2022 23:18

Tgt Ion:252 Resp: 51715
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 2.3 1.9 2.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.816 ng
 RT: 30.827 min Scan# 4
 Delta R.T. -0.011 min
 Lab File: BG056006.D
 Acq: 16 Dec 2022 23:18

Instrument :
 BNA_G
 ClientSampleId :
 RB-17-(1-3)DL

Tgt Ion:276 Resp: 28468
 Ion Ratio Lower Upper
 276 100
 277 22.2 17.8 26.6
 138 5.0 3.8 5.6

