

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052822\
 Data File : BG053755.D
 Acq On : 28 May 2022 17:51
 Operator : CG/JU
 Sample : N3041-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 2147

Quant Time: May 29 02:20:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun May 29 02:17:06 2022
 Response via : Initial Calibration

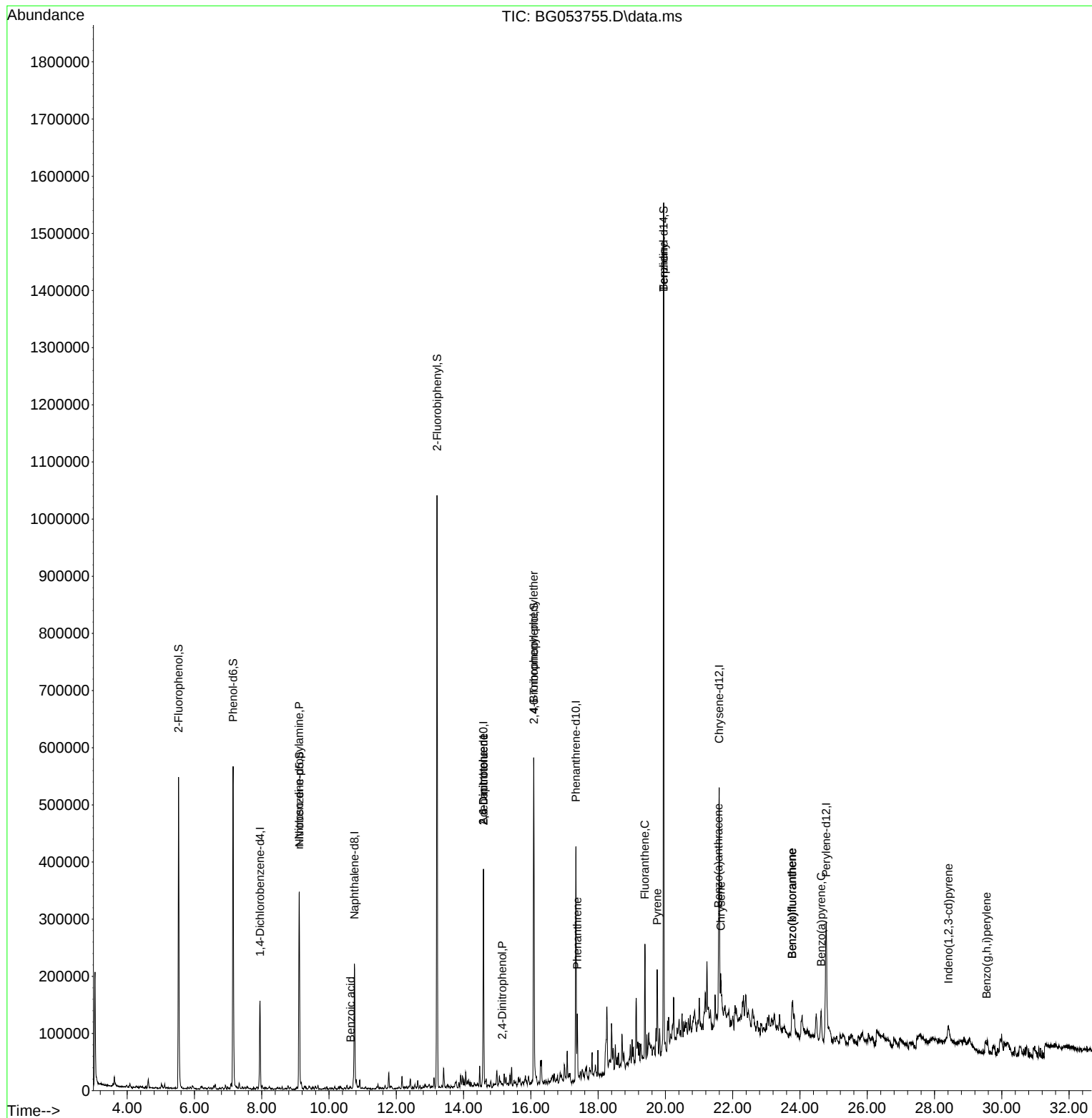
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.947	152	42560	20.000	ng	0.00
21) Naphthalene-d8	10.755	136	175605	20.000	ng	# 0.00
39) Acenaphthene-d10	14.591	164	131499	20.000	ng	0.00
64) Phenanthrene-d10	17.340	188	256166	20.000	ng	0.00
76) Chrysene-d12	21.599	240	221654	20.000	ng	#-0.01
86) Perylene-d12	24.777	264	228290	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	234781	93.622	ng	0.00
7) Phenol-d6	7.148	99	346795	91.120	ng	0.00
23) Nitrobenzene-d5	9.116	82	231742	56.177	ng	0.00
42) 2,4,6-Tribromophenol	16.089	330	123499	63.677	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	543254	60.369	ng	0.00
79) Terphenyl-d14	19.949	244	704471	59.194	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.110	70	31047	11.370	ng	# 76
32) Benzoic acid	10.643	122	71	8.524	ng	# 66
51) 2,6-Dinitrotoluene	14.591	165	19030	9.348	ng	# 19
54) 2,4-Dinitrophenol	15.149	184	486	6.591	ng	# 11
57) 2,4-Dinitrotoluene	14.591	165	19030	6.449	ng	# 24
67) 4-Bromophenyl-phenylether	16.083	248	8644	2.889	ng	# 1
71) Phenanthrene	17.381	178	74565	5.725	ng	97
75) Fluoranthene	19.390	202	112764	6.686	ng	95
77) Benzidine	19.949	184	11787	2.467	ng	# 87
78) Pyrene	19.755	202	96375	6.717	ng	97
81) Benzo(a)anthracene	21.576	228	55981	3.960	ng	# 90
83) Chrysene	21.646	228	76845	5.820	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.414	276	41994	2.641	ng	# 93
88) Benzo(b)fluoranthene	23.767	252	79023	5.848	ng	# 97
89) Benzo(k)fluoranthene	23.767	252	79023	5.951	ng	# 97
90) Benzo(a)pyrene	24.630	252	51919	4.514	ng	# 97
92) Benzo(g,h,i)perylene	29.547	276	37027	2.851	ng	# 90

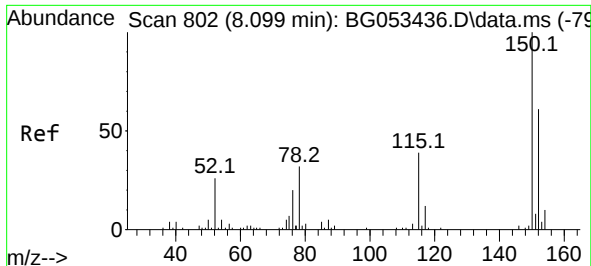
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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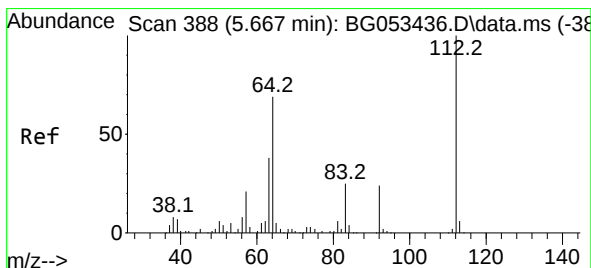
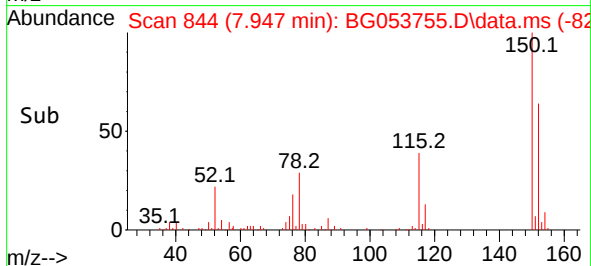
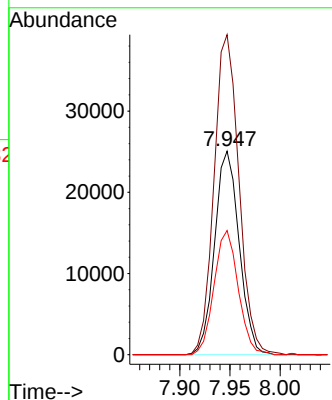
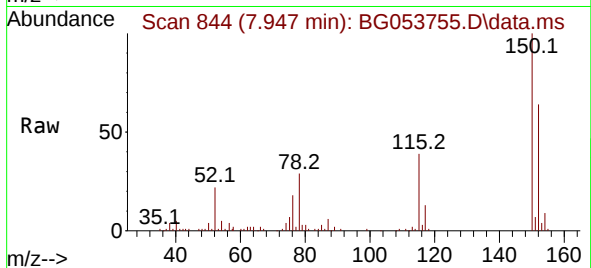




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 84
Delta R.T. -0.004 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

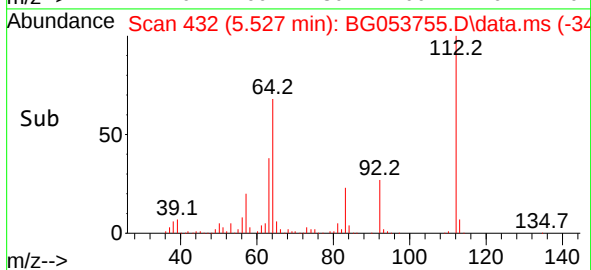
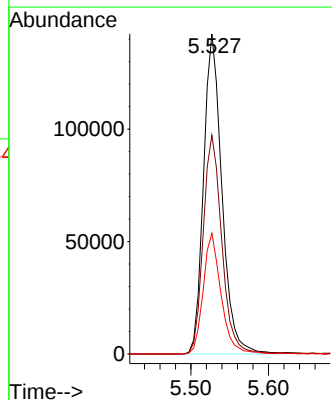
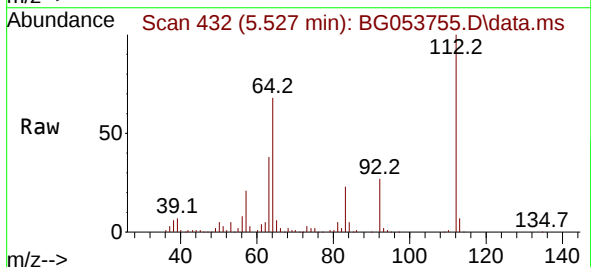
Instrument :
BNA_G
ClientSampleId :
2147

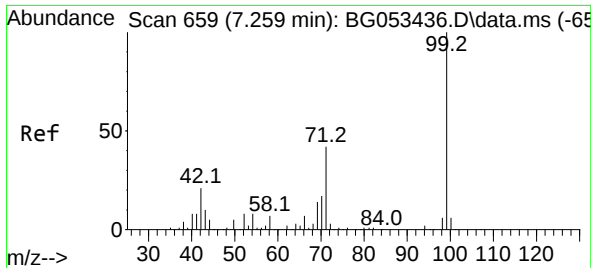
Tgt Ion:152 Resp: 42560
Ion Ratio Lower Upper
152 100
150 157.2 131.6 197.4
115 61.0 50.9 76.3



#5
2-Fluorophenol
Concen: 93.622 ng
RT: 5.527 min Scan# 432
Delta R.T. 0.002 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

Tgt Ion:112 Resp: 234781
Ion Ratio Lower Upper
112 100
64 68.3 55.1 82.7
63 37.7 30.4 45.6

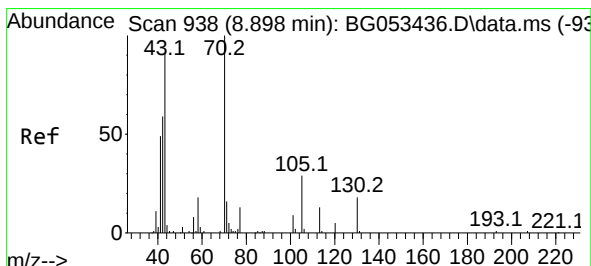
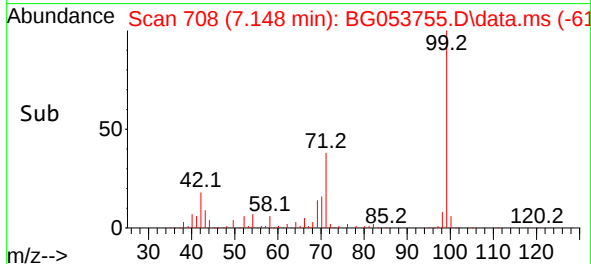
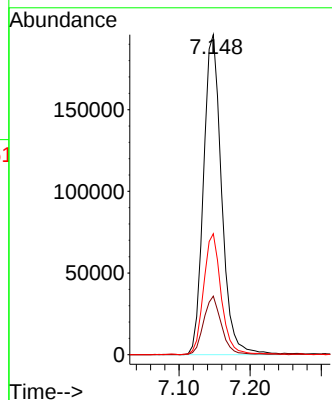
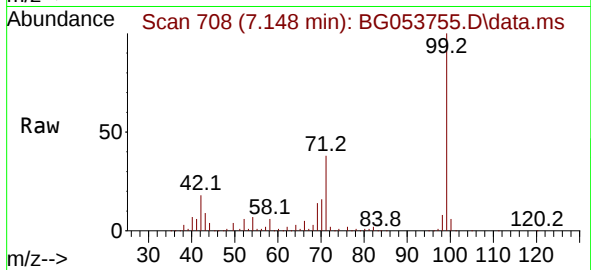




#7
Phenol-d6
Concen: 91.120 ng
RT: 7.148 min Scan# 70
Delta R.T. -0.004 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

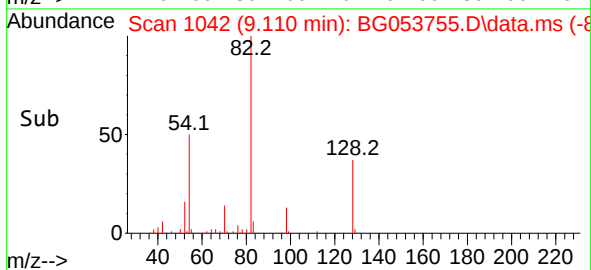
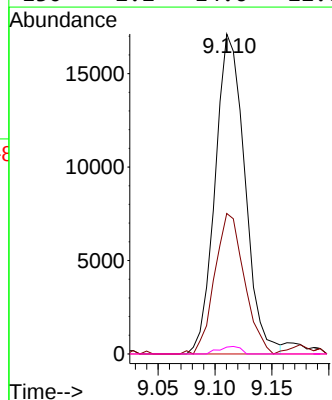
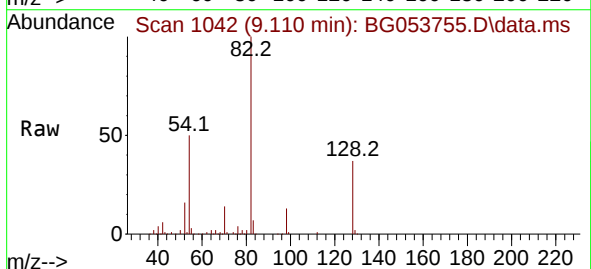
Instrument :
BNA_G
ClientSampleId :
2147

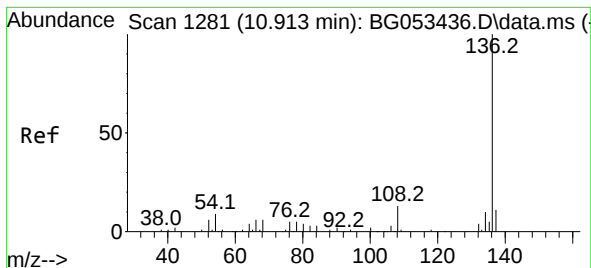
Tgt Ion: 99 Resp: 346795
Ion Ratio Lower Upper
99 100
42 18.3 17.0 25.6
71 37.8 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.370 ng
RT: 9.110 min Scan# 1042
Delta R.T. 0.354 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

Tgt Ion: 70 Resp: 31047
Ion Ratio Lower Upper
70 100
42 43.9 47.3 70.9#
101 0.0 7.0 10.4#
130 2.2 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.755 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG053755.D

Acq: 28 May 2022 17:51

Instrument :

BNA_G

ClientSampleId :

2147

Tgt Ion:136 Resp: 175605

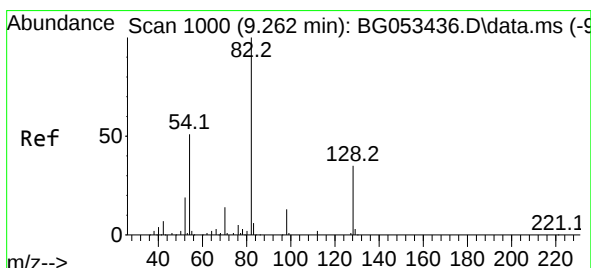
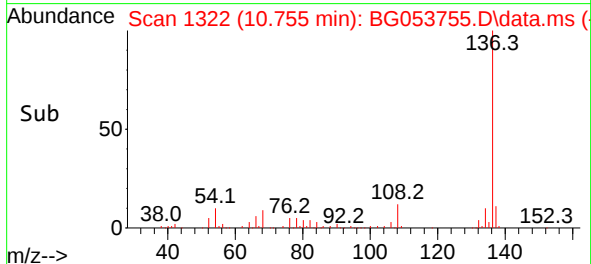
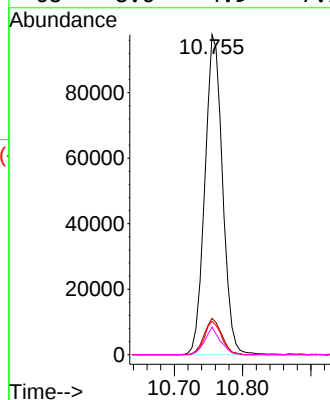
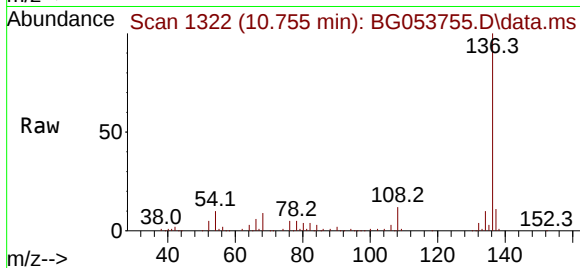
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 10.4 7.4 11.2

68 8.6 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 56.177 ng

RT: 9.116 min Scan# 1043

Delta R.T. -0.004 min

Lab File: BG053755.D

Acq: 28 May 2022 17:51

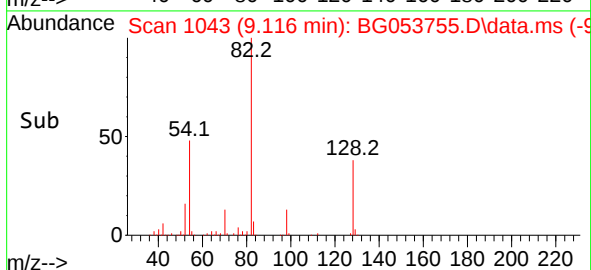
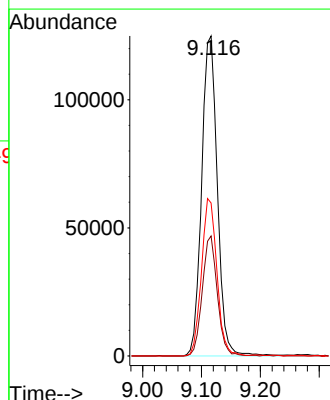
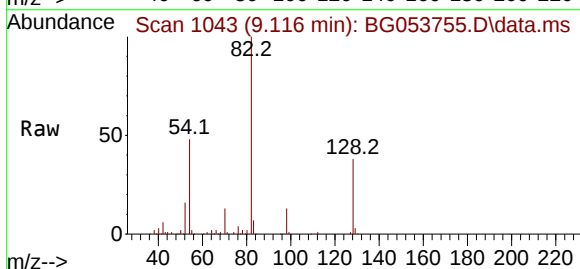
Tgt Ion: 82 Resp: 231742

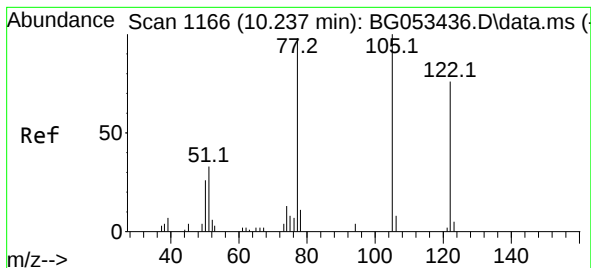
Ion Ratio Lower Upper

82 100

128 37.5 27.9 41.9

54 47.8 41.2 61.8





#32

Benzoic acid

Concen: 8.524 ng

RT: 10.643 min Scan# 1166

Delta R.T. 0.489 min

Lab File: BG053755.D

Acq: 28 May 2022 17:51

Instrument :

BNA_G

ClientSampleId :

2147

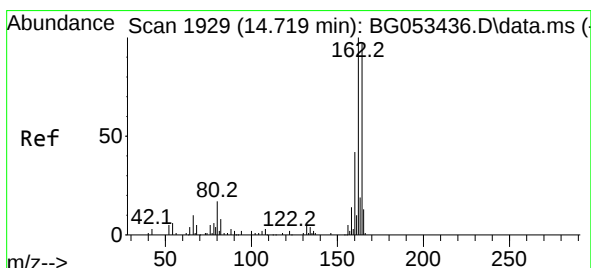
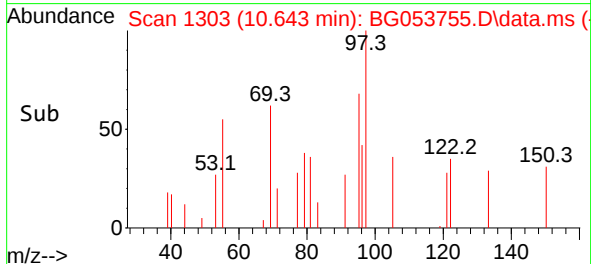
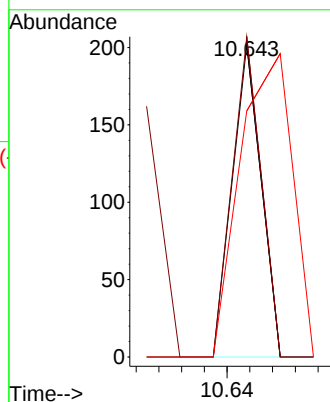
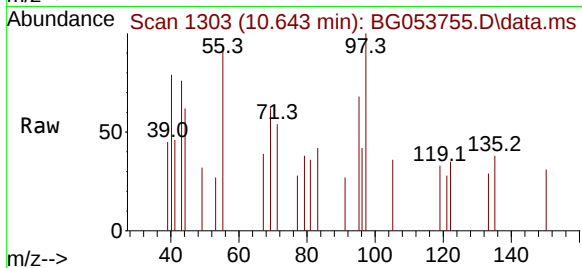
Tgt Ion:122 Resp: 71

Ion Ratio Lower Upper

122 100

105 102.5 111.8 151.8#

77 78.7 109.4 149.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.591 min Scan# 1975

Delta R.T. -0.004 min

Lab File: BG053755.D

Acq: 28 May 2022 17:51

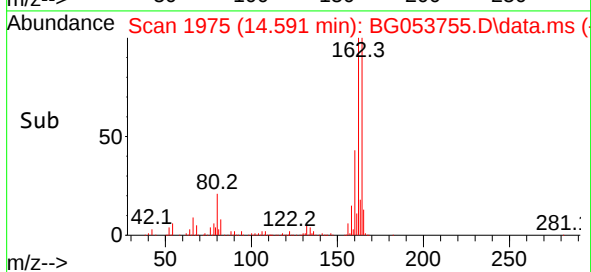
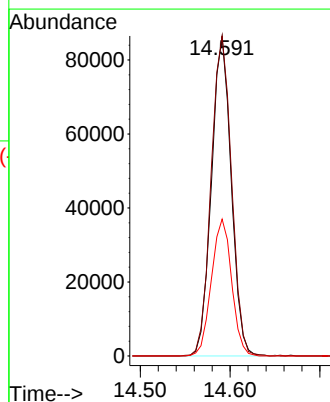
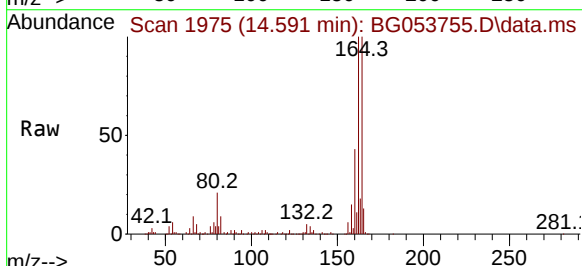
Tgt Ion:164 Resp: 131499

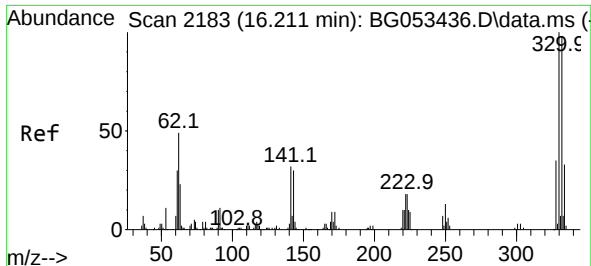
Ion Ratio Lower Upper

164 100

162 100.3 82.3 123.5

160 42.9 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 63.677 ng

RT: 16.089 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG053755.D

Acq: 28 May 2022 17:51

Instrument :

BNA_G

ClientSampleId :

2147

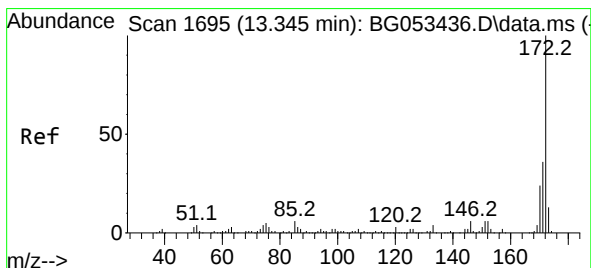
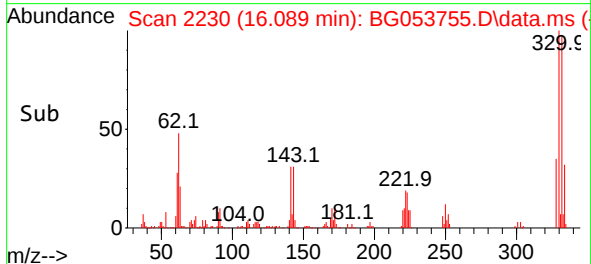
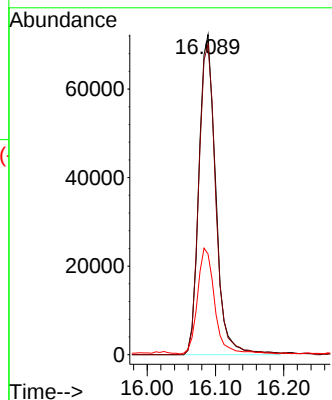
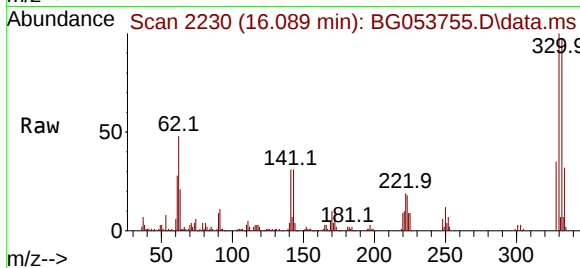
Tgt Ion:330 Resp: 123499

Ion Ratio Lower Upper

330 100

332 98.3 76.0 114.0

141 33.8 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 60.369 ng

RT: 13.211 min Scan# 1740

Delta R.T. -0.004 min

Lab File: BG053755.D

Acq: 28 May 2022 17:51

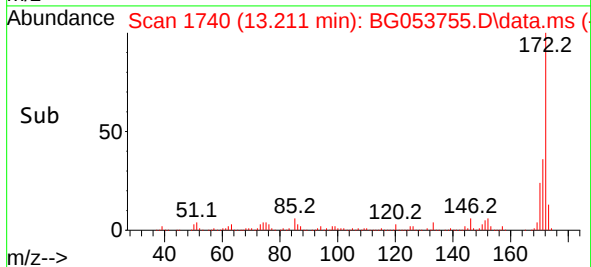
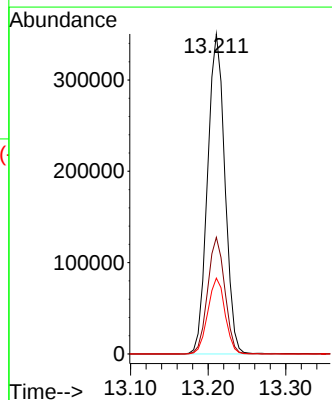
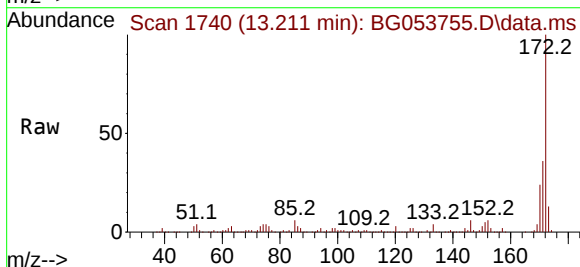
Tgt Ion:172 Resp: 543254

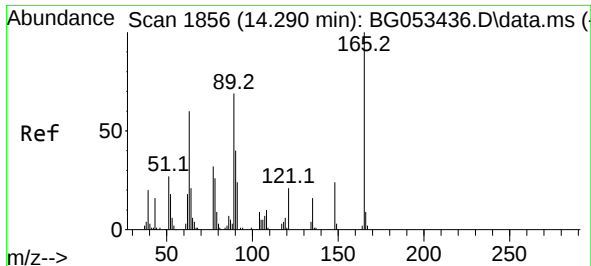
Ion Ratio Lower Upper

172 100

171 36.5 28.5 42.7

170 23.7 18.9 28.3

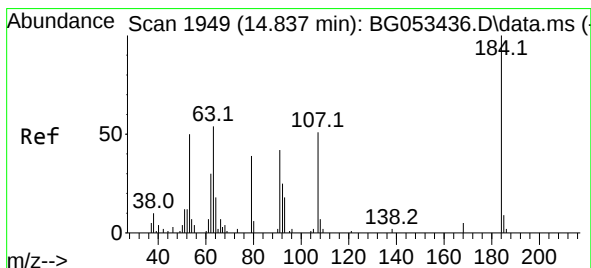
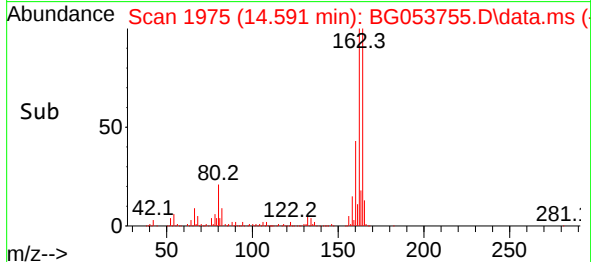
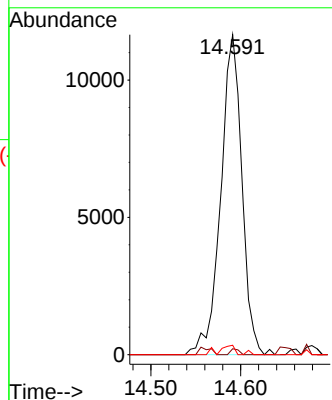
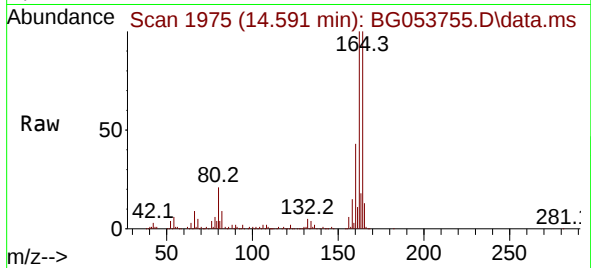




#51
2,6-Dinitrotoluene
Concen: 9.348 ng
RT: 14.591 min Scan# 11
Delta R.T. 0.419 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

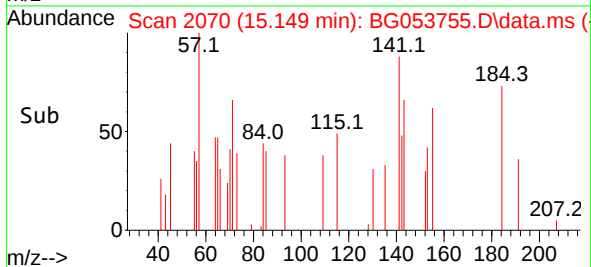
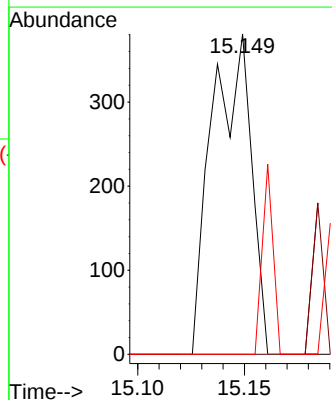
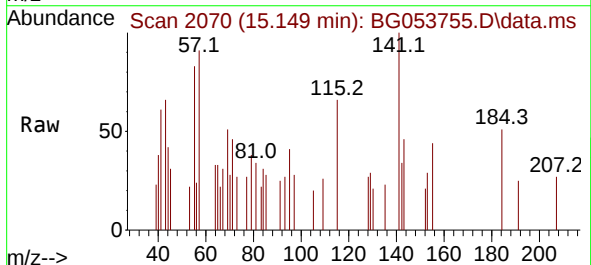
Instrument :
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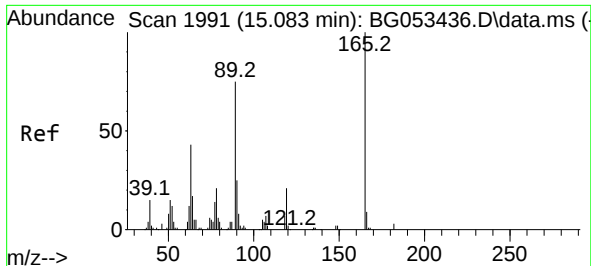
Tgt Ion:165 Resp: 19030
Ion Ratio Lower Upper
165 100
63 1.9 54.1 81.1#
89 2.9 54.8 82.2#



#54
2,4-Dinitrophenol
Concen: 6.591 ng
RT: 15.149 min Scan# 2070
Delta R.T. 0.413 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

Tgt Ion:184 Resp: 486
Ion Ratio Lower Upper
184 100
63 0.0 61.1 91.7#
154 0.0 60.6 91.0#





#57

2,4-Dinitrotoluene

Concen: 6.449 ng

RT: 14.591 min Scan# 1991

Delta R.T. -0.374 min

Lab File: BG053755.D

Acq: 28 May 2022 17:51

Instrument :

BNA_G

ClientSampleId :

2147

Tgt Ion:165 Resp: 19030

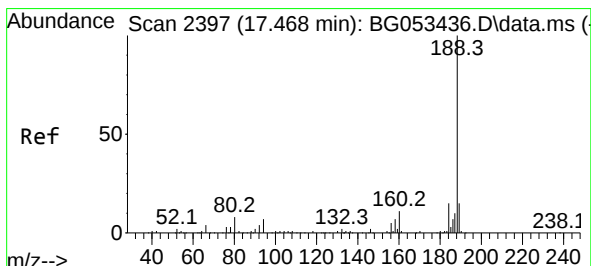
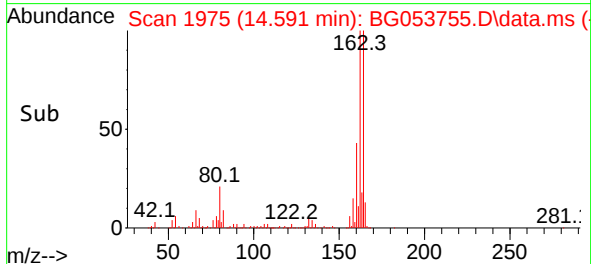
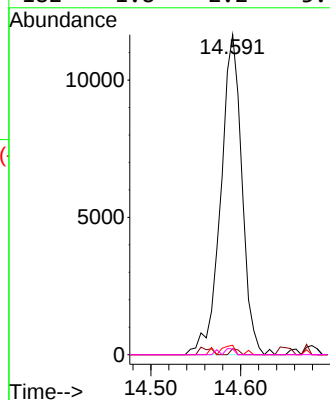
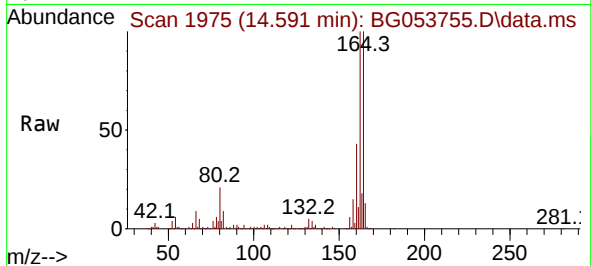
Ion Ratio Lower Upper

165 100

63 1.9 34.6 52.0#

89 2.9 60.3 90.5#

182 1.8 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.340 min Scan# 2443

Delta R.T. -0.004 min

Lab File: BG053755.D

Acq: 28 May 2022 17:51

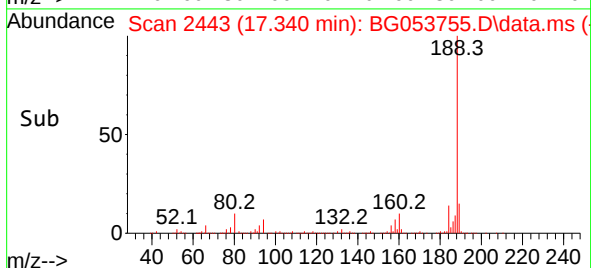
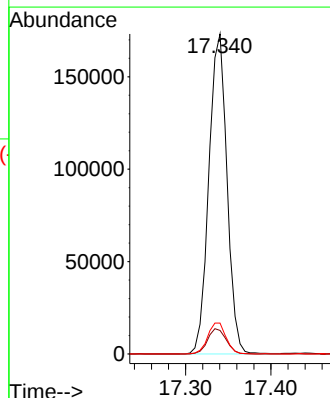
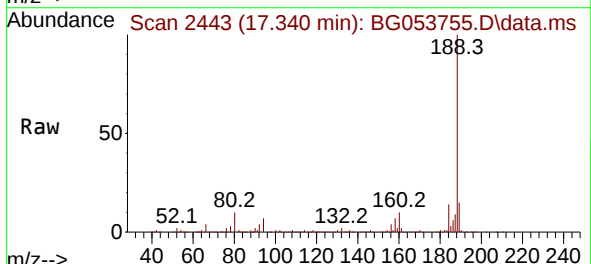
Tgt Ion:188 Resp: 256166

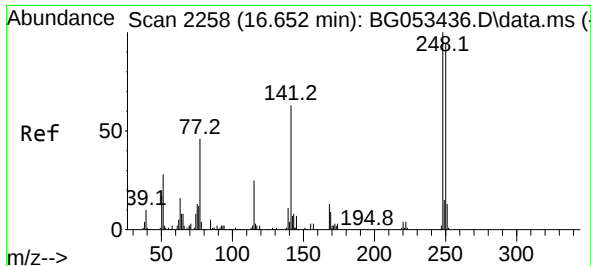
Ion Ratio Lower Upper

188 100

94 7.4 5.4 8.0

80 9.6 6.8 10.2

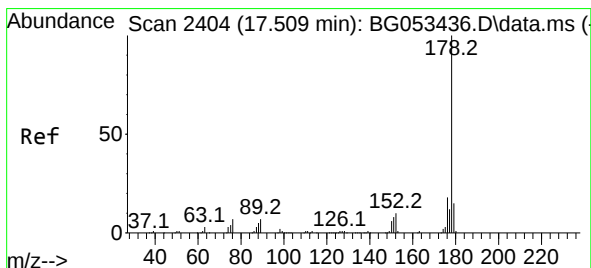
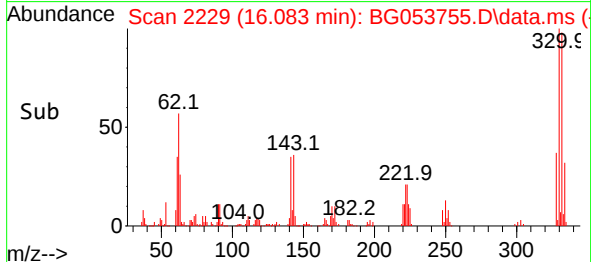
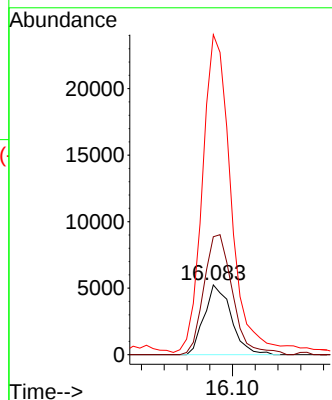
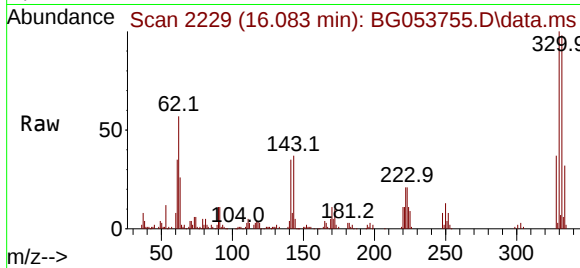




#67
4-Bromophenyl-phenylether
Concen: 2.889 ng
RT: 16.083 min Scan# 2147
Delta R.T. -0.445 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

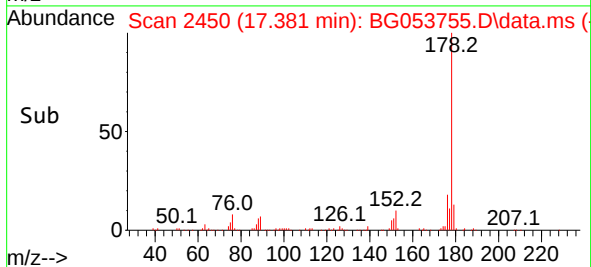
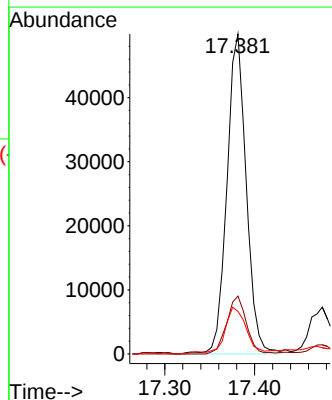
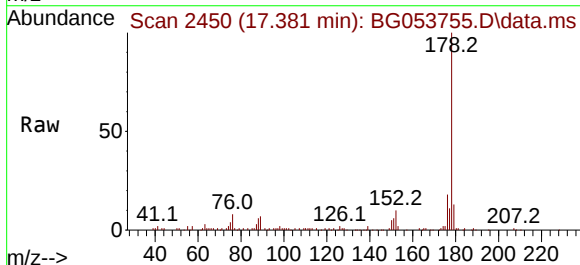
Instrument :
BNA_G
ClientSampleId :
2147

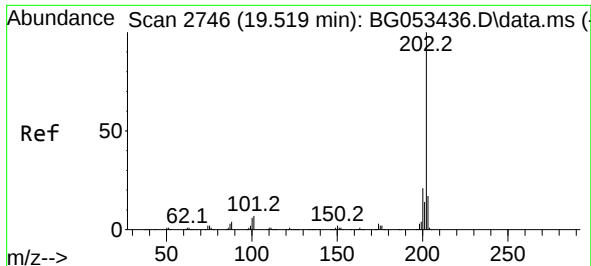
Tgt Ion:248 Resp: 8644
Ion Ratio Lower Upper
248 100
250 169.0 75.2 112.8#
141 458.6 50.0 75.0#



#71
Phenanthrene
Concen: 5.725 ng
RT: 17.381 min Scan# 2450
Delta R.T. -0.004 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

Tgt Ion:178 Resp: 74565
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 13.3 12.1 18.1

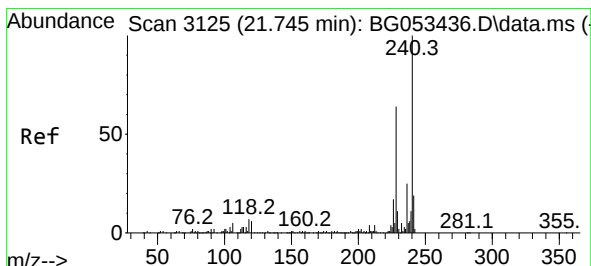
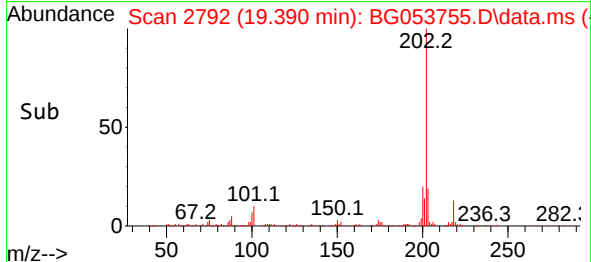
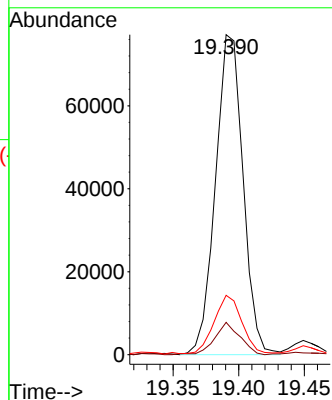
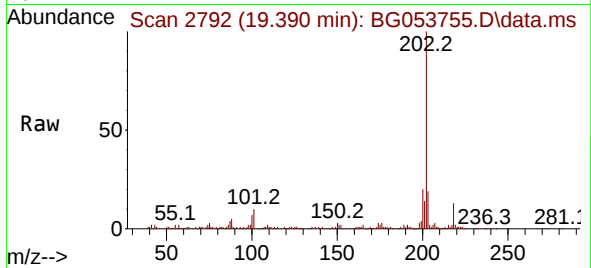




#75
Fluoranthene
Concen: 6.686 ng
RT: 19.390 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

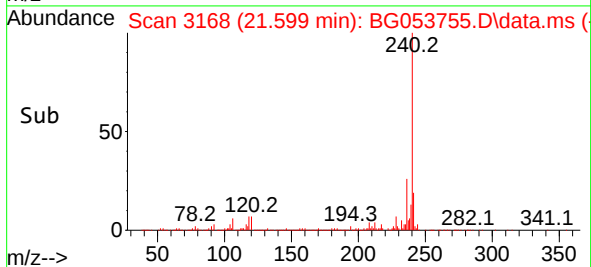
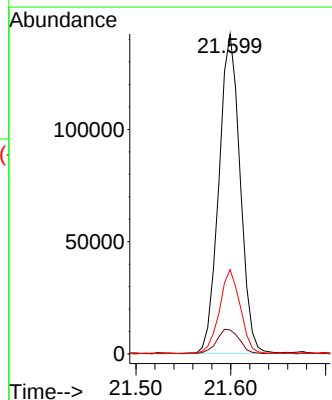
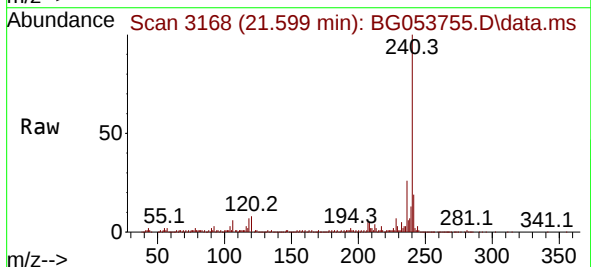
Instrument :
BNA_G
ClientSampleId :
2147

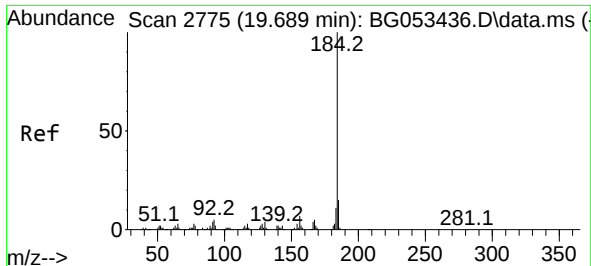
Tgt Ion:202 Resp: 112764
Ion Ratio Lower Upper
202 100
101 10.1 0.0 26.9
203 18.5 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.599 min Scan# 3168
Delta R.T. -0.010 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

Tgt Ion:240 Resp: 221654
Ion Ratio Lower Upper
240 100
120 7.5 4.6 7.0#
236 26.4 20.2 30.4

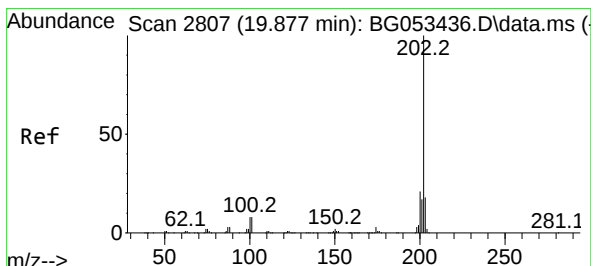
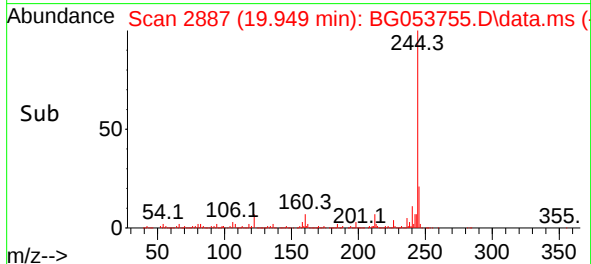
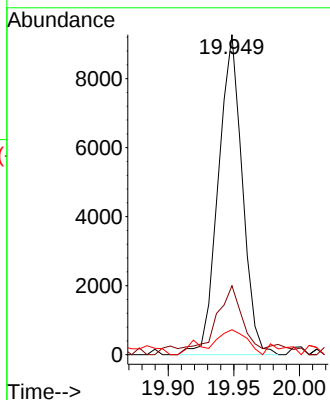
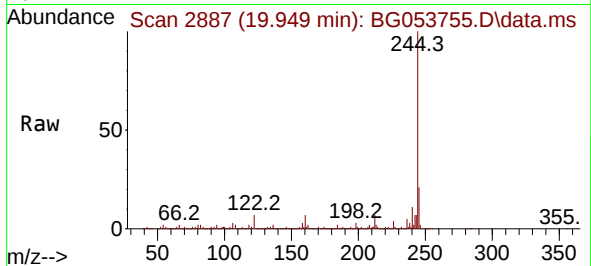




#77
Benzidine
Concen: 2.467 ng
RT: 19.949 min Scan# 2147
Delta R.T. 0.372 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

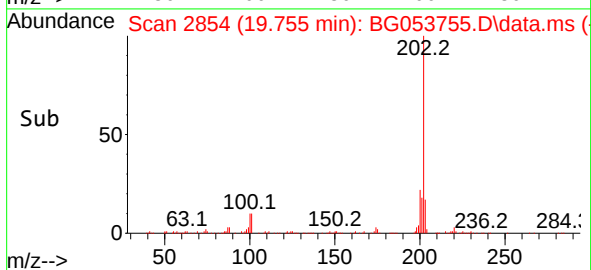
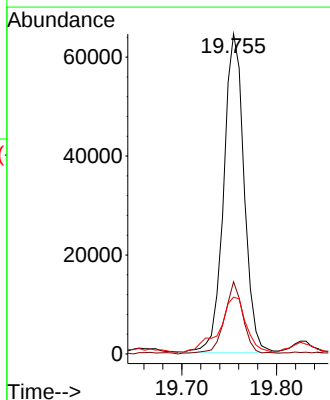
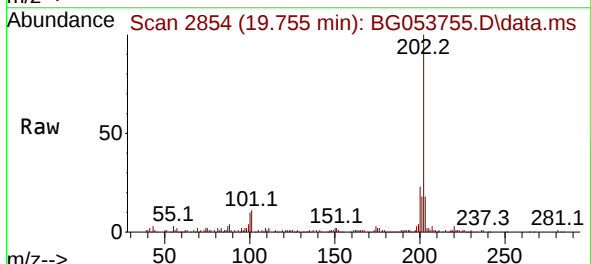
Instrument :
BNA_G
ClientSampleId :
2147

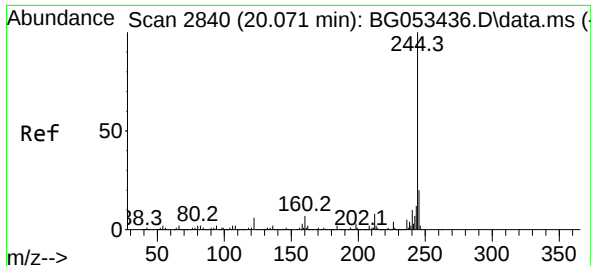
Tgt Ion:184 Resp: 11787
Ion Ratio Lower Upper
184 100
185 21.5 11.8 17.6#
183 7.8 8.9 13.3#



#78
Pyrene
Concen: 6.717 ng
RT: 19.755 min Scan# 2854
Delta R.T. -0.004 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

Tgt Ion:202 Resp: 96375
Ion Ratio Lower Upper
202 100
200 22.5 16.6 24.8
203 17.7 14.6 21.8

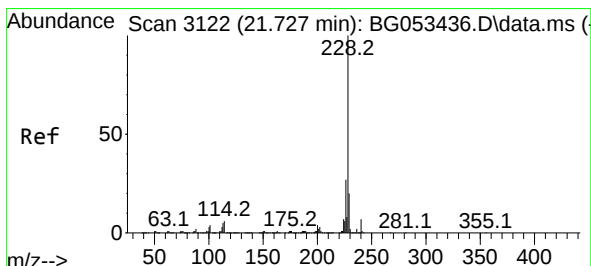
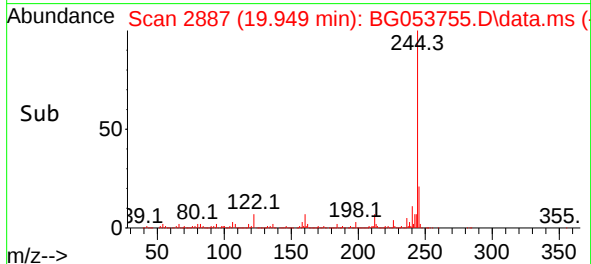
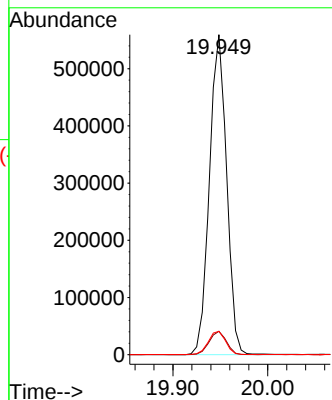
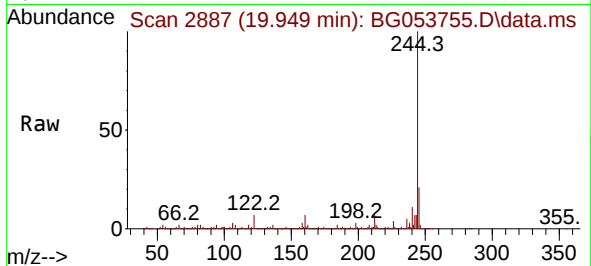




#79
 Terphenyl-d14
 Concen: 59.194 ng
 RT: 19.949 min Scan# 2147
 Delta R.T. -0.004 min
 Lab File: BG053755.D
 Acq: 28 May 2022 17:51

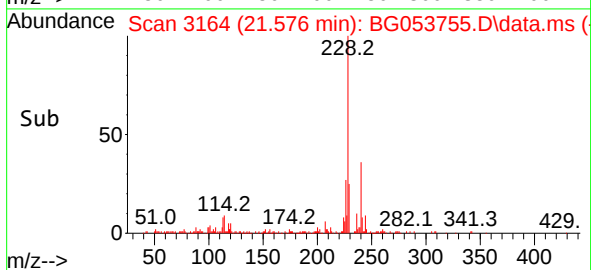
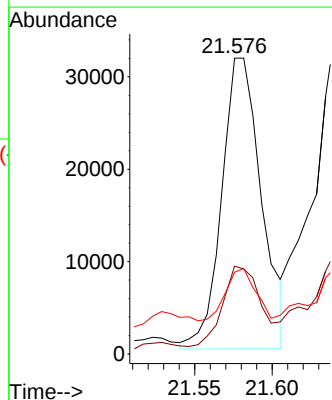
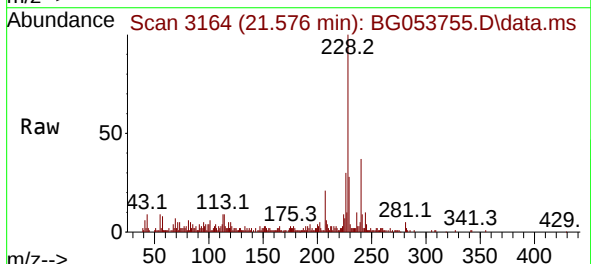
Instrument :
 BNA_G
 ClientSampleId :
 2147

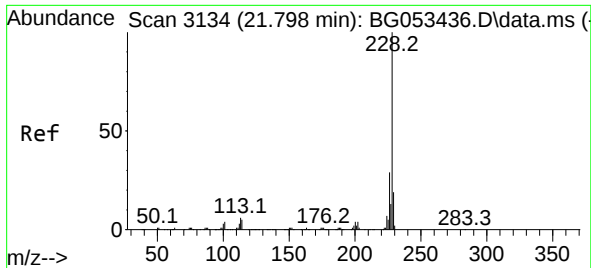
Tgt Ion:244 Resp: 704471
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 7.3 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 3.960 ng
 RT: 21.576 min Scan# 3164
 Delta R.T. -0.010 min
 Lab File: BG053755.D
 Acq: 28 May 2022 17:51

Tgt Ion:228 Resp: 55981
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.6 32.4
 229 27.6 16.2 24.2#

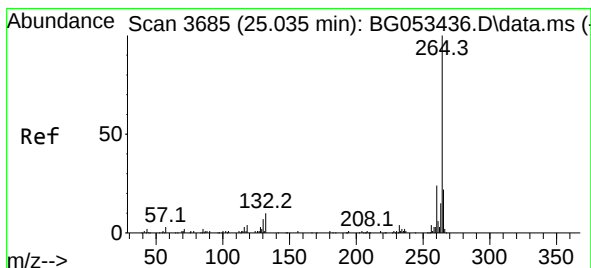
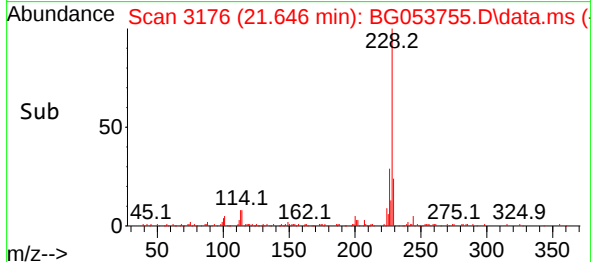
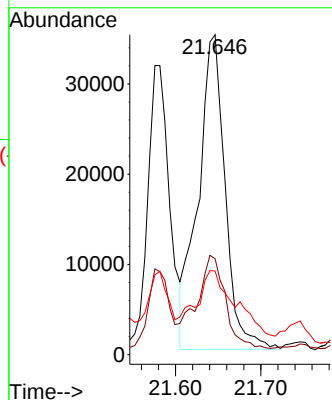
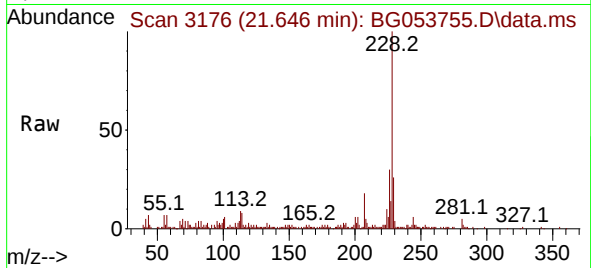




#83
Chrysene
Concen: 5.820 ng
RT: 21.646 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

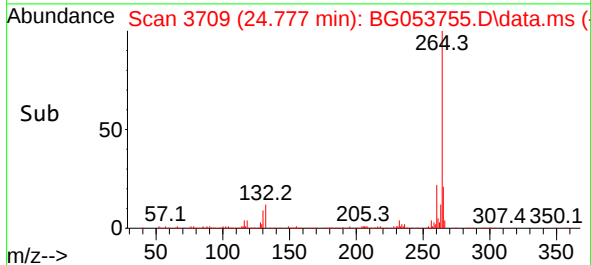
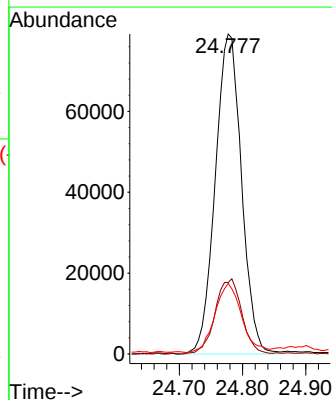
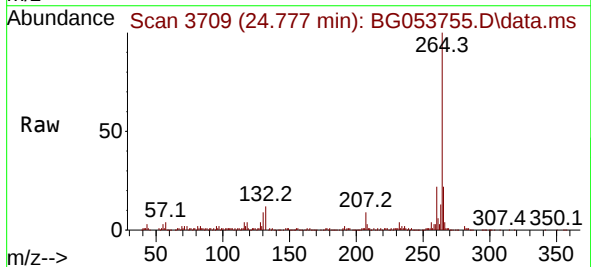
Instrument :
BNA_G
ClientSampleId :
2147

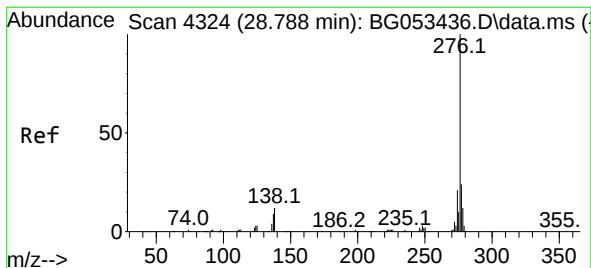
Tgt Ion:228 Resp: 76845
Ion Ratio Lower Upper
228 100
226 30.0 23.4 35.2
229 26.2 15.5 23.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.777 min Scan# 3709
Delta R.T. -0.010 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

Tgt Ion:264 Resp: 228290
Ion Ratio Lower Upper
264 100
260 22.4 19.0 28.6
265 22.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.641 ng

RT: 28.414 min Scan# 41

Delta R.T. -0.022 min

Lab File: BG053755.D

Acq: 28 May 2022 17:51

Instrument :

BNA_G

ClientSampleId :

2147

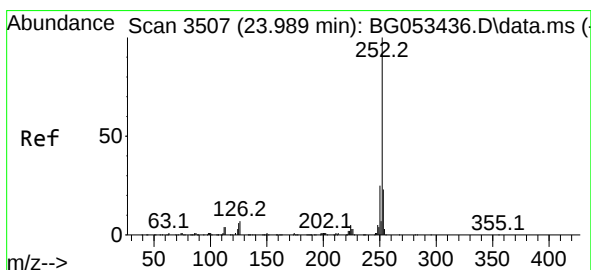
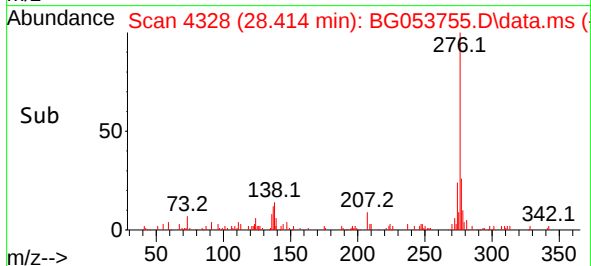
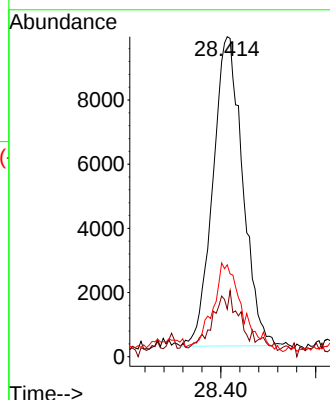
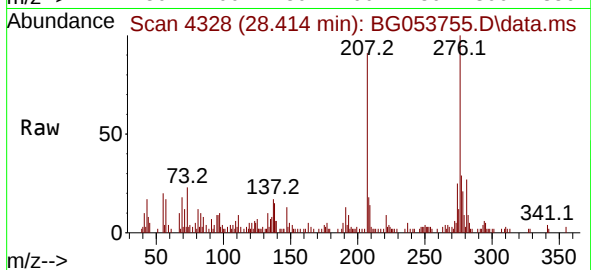
Tgt Ion:276 Resp: 41994

Ion Ratio Lower Upper

276 100

138 8.7 5.0 7.4#

277 29.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 5.848 ng

RT: 23.767 min Scan# 3537

Delta R.T. -0.010 min

Lab File: BG053755.D

Acq: 28 May 2022 17:51

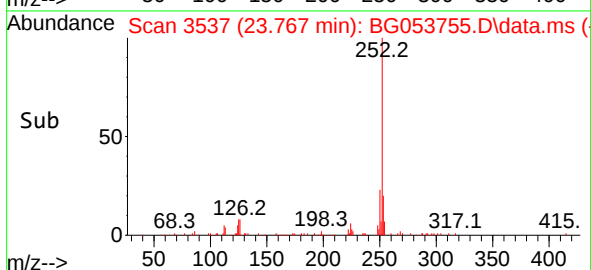
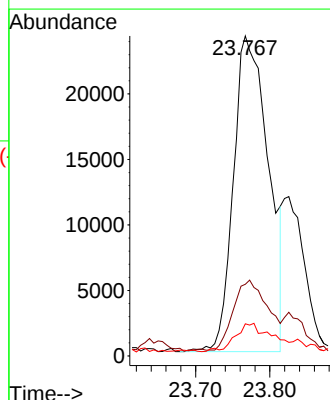
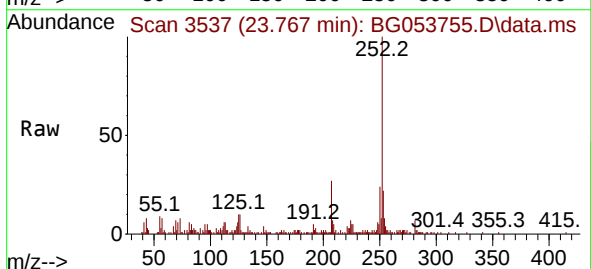
Tgt Ion:252 Resp: 79023

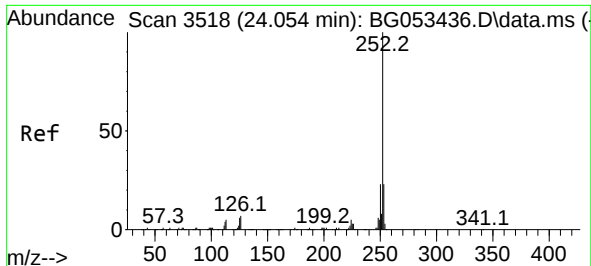
Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

125 10.1 4.6 6.8#

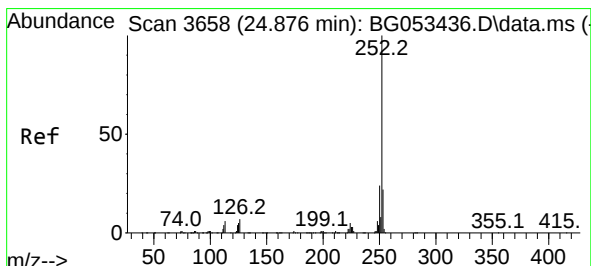
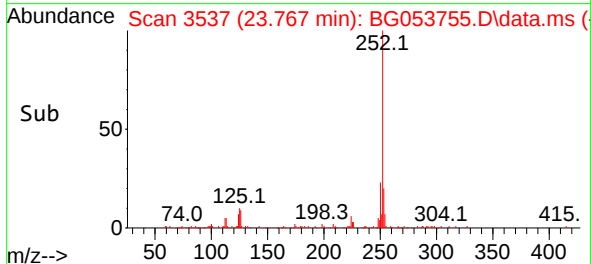
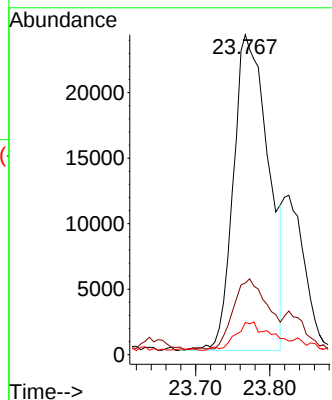
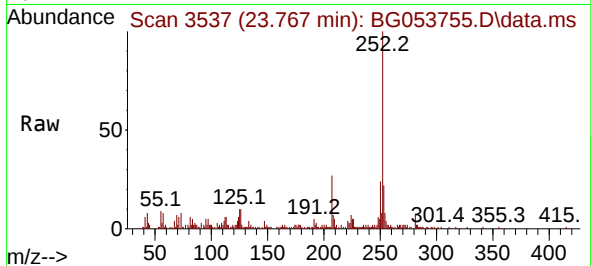




#89
Benzo(k)fluoranthene
Concen: 5.951 ng
RT: 23.767 min Scan# 311
Delta R.T. -0.075 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

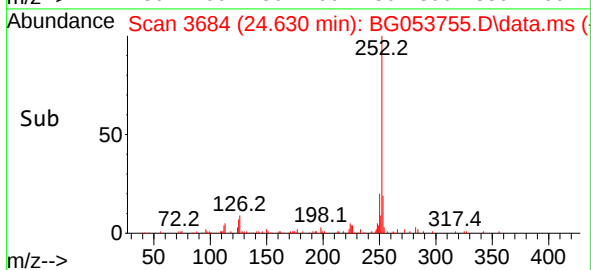
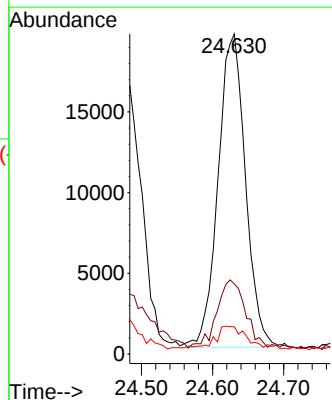
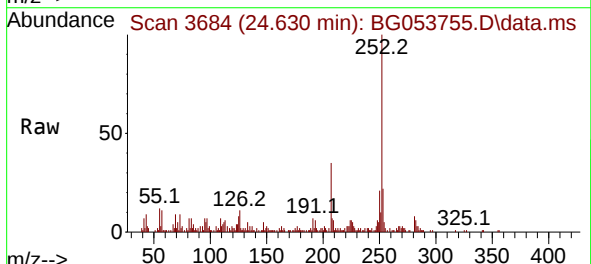
Instrument :
BNA_G
ClientSampleId :
2147

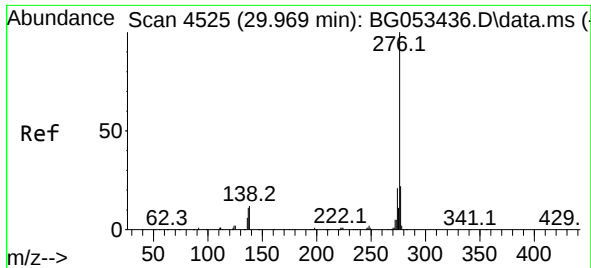
Tgt Ion:252 Resp: 79023
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 10.1 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 4.514 ng
RT: 24.630 min Scan# 3684
Delta R.T. -0.010 min
Lab File: BG053755.D
Acq: 28 May 2022 17:51

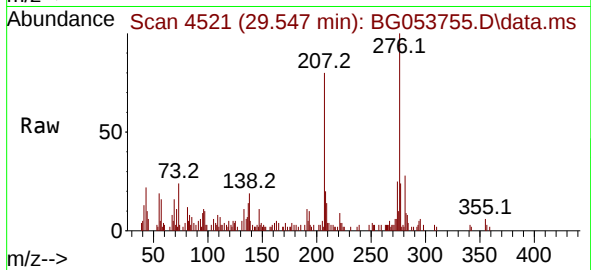
Tgt Ion:252 Resp: 51919
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 8.5 4.3 6.5#





#92
 Benzo(g,h,i)perylene
 Concen: 2.851 ng
 RT: 29.547 min Scan# 41
 Delta R.T. -0.022 min
 Lab File: BG053755.D
 Acq: 28 May 2022 17:51

Instrument :
 BNA_G
 ClientSampleId :
 2147



Tgt Ion:	276	Resp:	37027
Ion Ratio	Lower	Upper	
276	100		
277	24.4	17.3	25.9
138	19.2	9.6	14.4#

