

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
 Data File : BG055176.D
 Acq On : 14 Oct 2022 13:30
 Operator : CG/JU
 Sample : N5108-01DL 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-2-101222DL

Quant Time: Oct 14 16:17:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 13 05:14:13 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

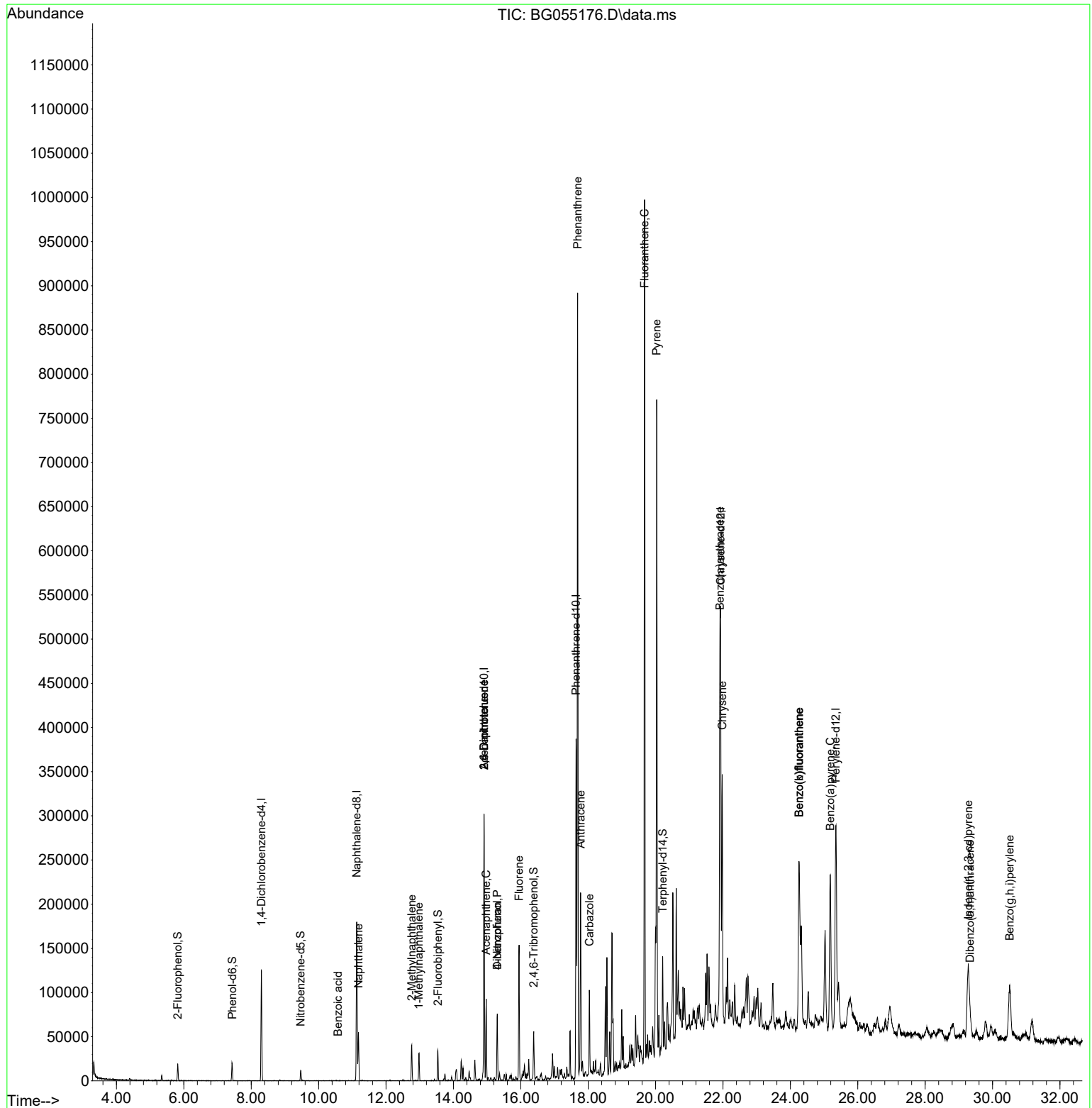
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.304	152	36810	20.000	ng	0.00
21) Naphthalene-d8	11.131	136	156098	20.000	ng	0.00
39) Acenaphthene-d10	14.908	164	107920	20.000	ng	0.00
64) Phenanthrene-d10	17.641	188	254918	20.000	ng	0.00
76) Chrysene-d12	21.930	240	242126	20.000	ng	0.00
86) Perylene-d12	25.349	264	262627	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.819	112	8763	4.658	ng	0.00
7) Phenol-d6	7.435	99	12031	4.323	ng	0.00
23) Nitrobenzene-d5	9.468	82	7841	2.694	ng	0.00
42) 2,4,6-Tribromophenol	16.383	330	6621	4.270	ng	0.00
45) 2-Fluorobiphenyl	13.539	172	19713	2.984	ng	0.00
79) Terphenyl-d14	20.214	244	36464	3.033	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	11.183	128	46605	5.677	ng	98
32) Benzoic acid	10.578	122	59	5.472	ng	# 1
37) 2-Methylnaphthalene	12.764	142	20289	3.300	ng	98
38) 1-Methylnaphthalene	12.975	142	15422	2.571	ng	90
51) 2,6-Dinitrotoluene	14.908	165	14584	8.169	ng	# 21
52) Acenaphthene	14.973	154	32976	5.239	ng	99
55) Dibenzofuran	15.302	168	47137	4.800	ng	98
56) 4-Nitrophenol	15.302	139	17700	10.982	ng	# 7
57) 2,4-Dinitrotoluene	14.908	165	14584	5.578	ng	# 23
58) Fluorene	15.948	166	70382	8.729	ng	100
71) Phenanthrene	17.688	178	570529	43.148	ng	99
72) Anthracene	17.776	178	141267	10.932	ng	99
73) Carbazole	18.034	167	64342	5.348	ng	99
75) Fluoranthene	19.673	202	623408	37.717	ng	99
78) Pyrene	20.032	202	508072	31.478	ng	99
81) Benzo(a)anthracene	21.906	228	241240	15.572	ng	99
83) Chrysene	21.977	228	210668	14.416	ng	98
87) Indeno(1,2,3-cd)pyrene	29.280	276	143165	7.359	ng	97
88) Benzo(b)fluoranthene	24.256	252	277794	17.747	ng	99
89) Benzo(k)fluoranthene	24.256	252	277794	17.664	ng	100
90) Benzo(a)pyrene	25.185	252	215065	16.067	ng	98
91) Dibenzo(a,h)anthracene	29.333	278	38616	2.399	ng	92
92) Benzo(g,h,i)perylene	30.508	276	131939	8.367	ng	98

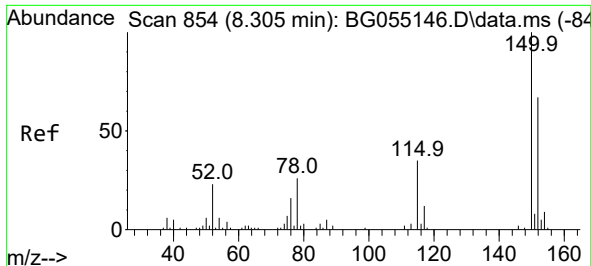
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
Data File : BG055176.D
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Instrument :
BNA_G
ClientSampleId :
OR-2-101222DL

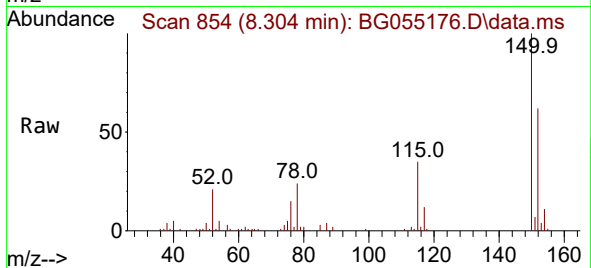
Quant Time: Oct 14 16:17:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 05:14:13 2022
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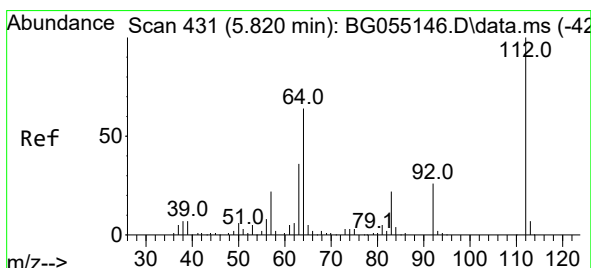
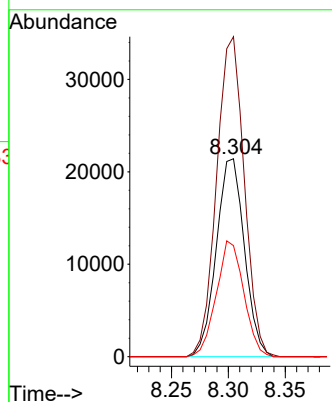
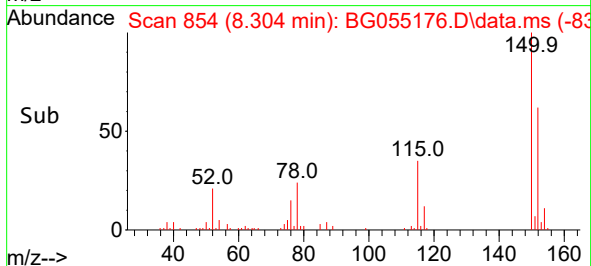


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.304 min Scan# 854
Delta R.T. -0.001 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

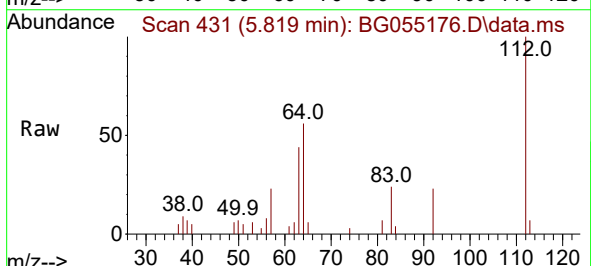
Instrument :
BNA_G
ClientSampleId :
OR-2-101222DL



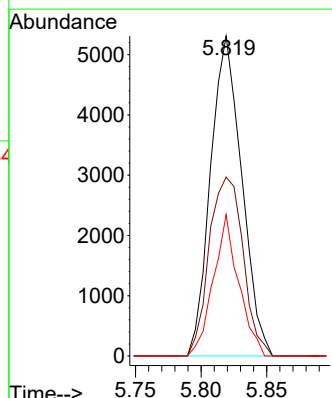
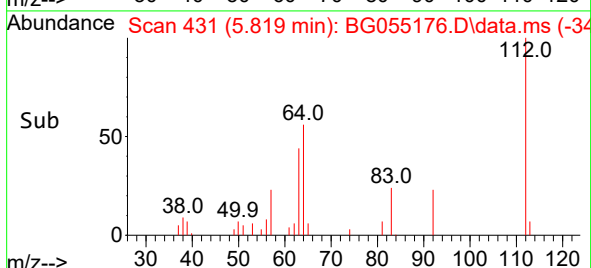
Tgt Ion:152 Resp: 36810
Ion Ratio Lower Upper
152 100
150 161.7 119.7 179.5
115 56.1 42.4 63.6

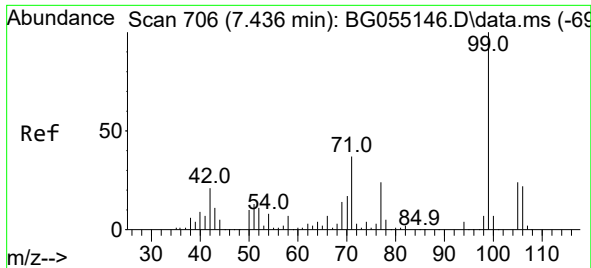


#5
2-Fluorophenol
Concen: 4.658 ng
RT: 5.819 min Scan# 431
Delta R.T. -0.001 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30



Tgt Ion:112 Resp: 8763
Ion Ratio Lower Upper
112 100
64 55.9 50.9 76.3
63 44.2 29.0 43.6#

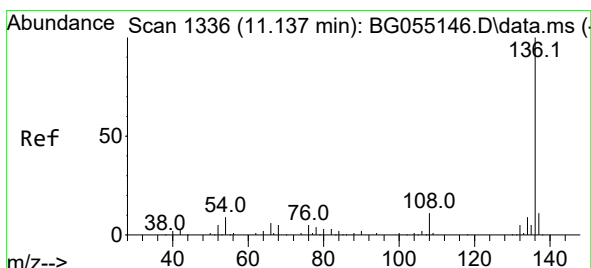
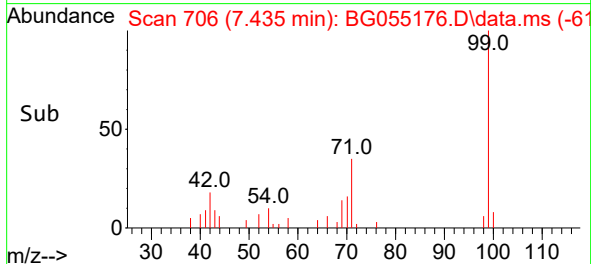
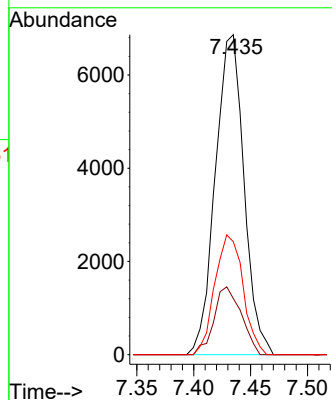
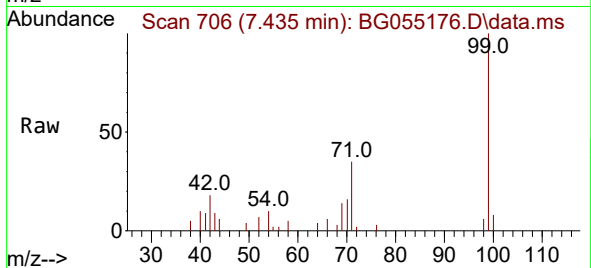




#7
Phenol-d6
Concen: 4.323 ng
RT: 7.435 min Scan# 706
Delta R.T. -0.001 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

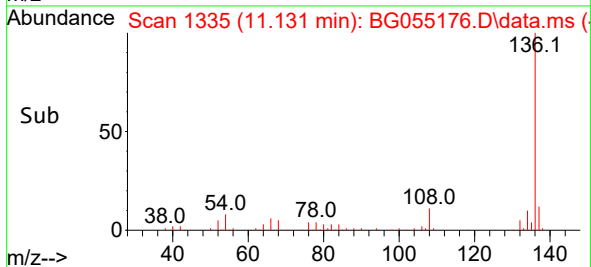
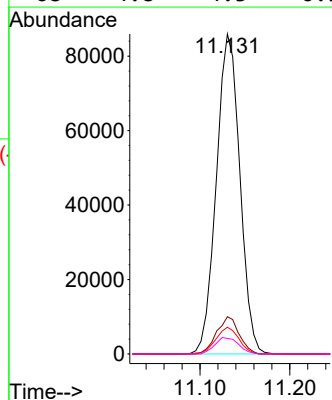
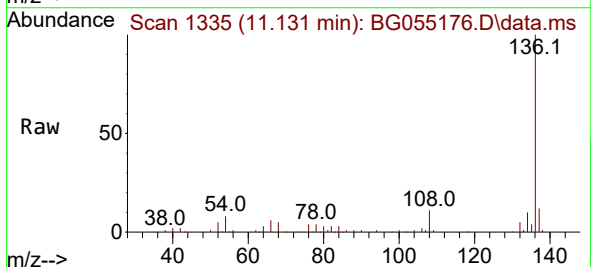
Instrument :
BNA_G
ClientSampleId :
OR-2-101222DL

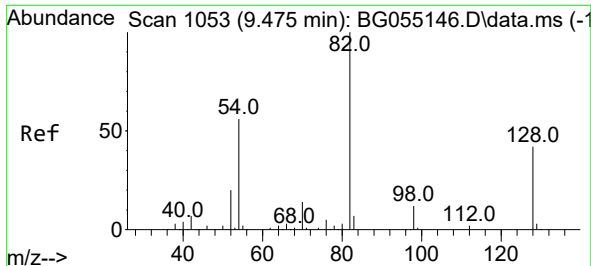
Tgt Ion: 99 Resp: 12031
Ion Ratio Lower Upper
99 100
42 17.5 16.6 25.0
71 35.3 29.6 44.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.131 min Scan# 1335
Delta R.T. -0.007 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

Tgt Ion:136 Resp: 156098
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 8.4 7.0 10.6
68 4.8 4.3 6.5

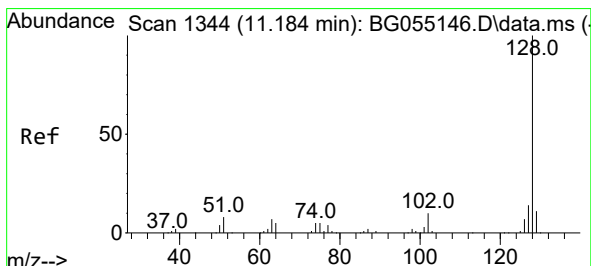
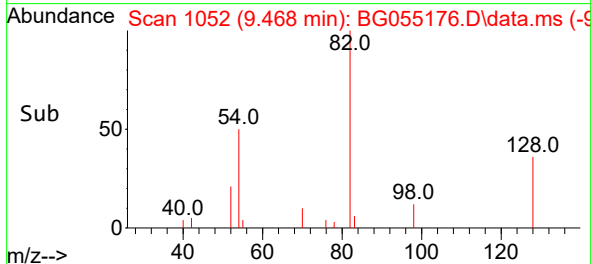
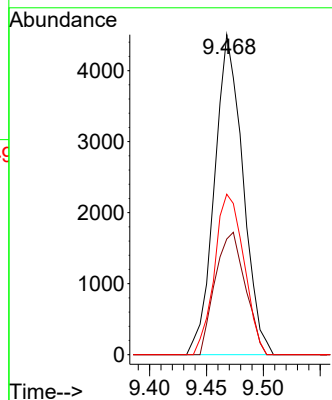
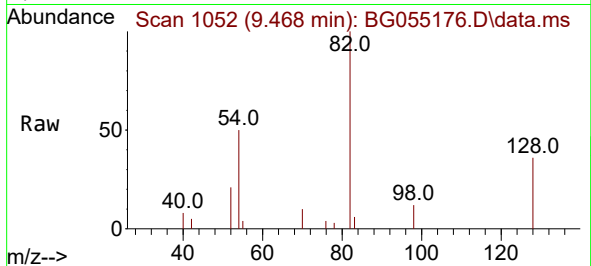




#23
Nitrobenzene-d5
Concen: 2.694 ng
RT: 9.468 min Scan# 1052
Delta R.T. -0.007 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

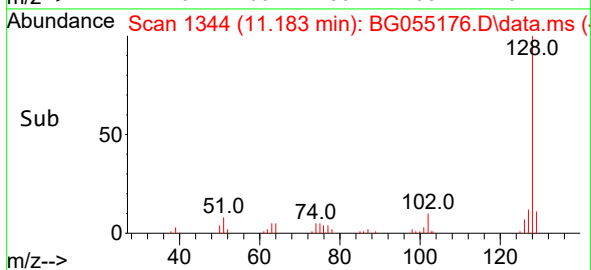
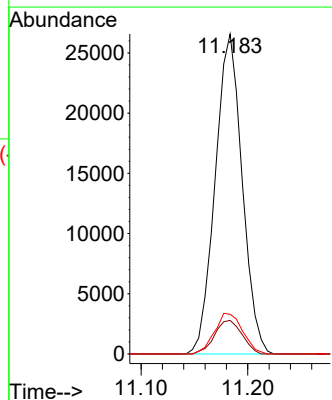
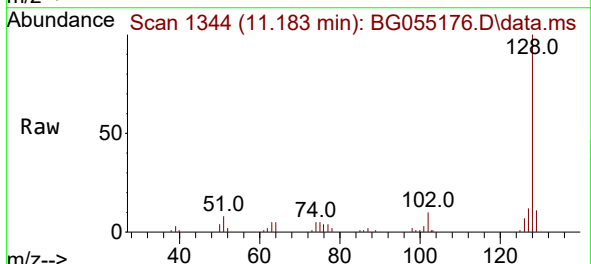
Instrument :
BNA_G
ClientSampleId :
OR-2-101222DL

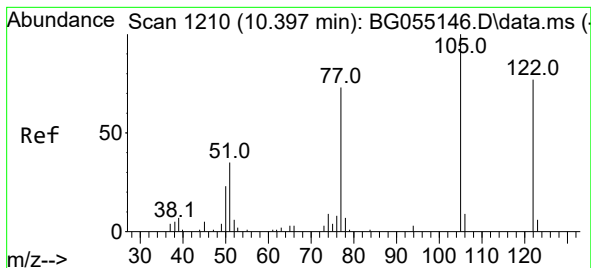
Tgt Ion: 82 Resp: 7841
Ion Ratio Lower Upper
82 100
128 36.2 33.5 50.3
54 50.2 44.7 67.1



#31
Naphthalene
Concen: 5.677 ng
RT: 11.183 min Scan# 1344
Delta R.T. -0.001 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

Tgt Ion: 128 Resp: 46605
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 12.4 11.1 16.7





#32

Benzoic acid

Concen: 5.472 ng

RT: 10.578 min Scan# 1

Delta R.T. 0.181 min

Lab File: BG055176.D

Acq: 14 Oct 2022 13:30

Instrument :

BNA_G

ClientSampleId :

OR-2-101222DL

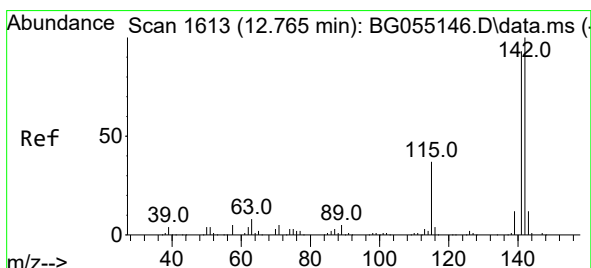
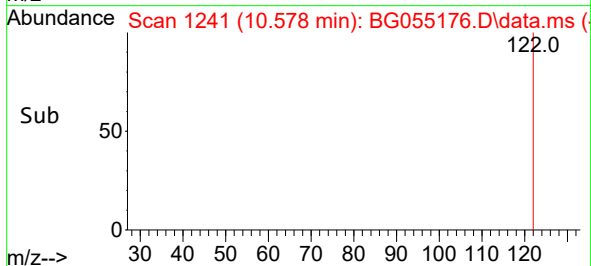
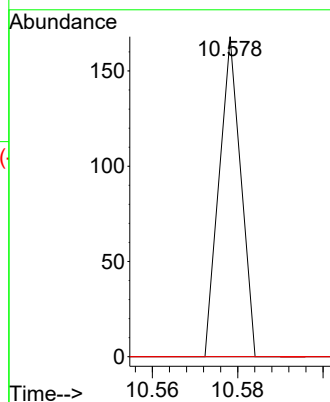
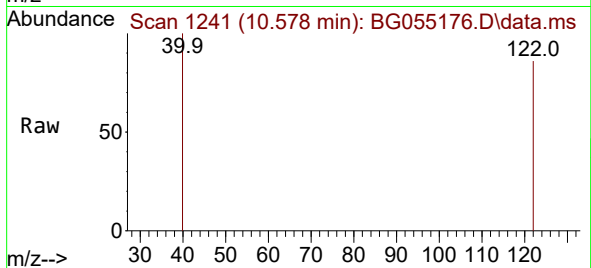
Tgt Ion:122 Resp: 59

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

77 0.0 74.2 114.2#



#37

2-Methylnaphthalene

Concen: 3.300 ng

RT: 12.764 min Scan# 1613

Delta R.T. -0.001 min

Lab File: BG055176.D

Acq: 14 Oct 2022 13:30

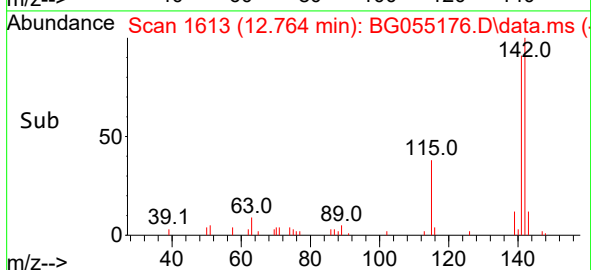
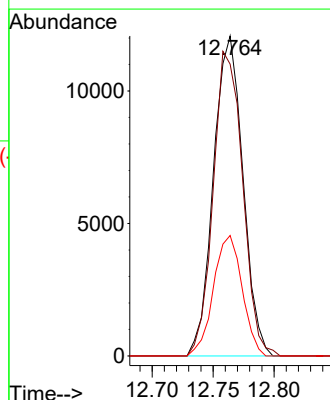
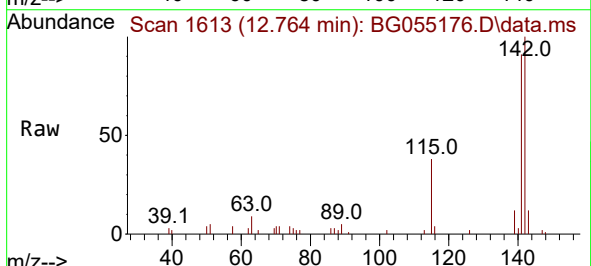
Tgt Ion:142 Resp: 20289

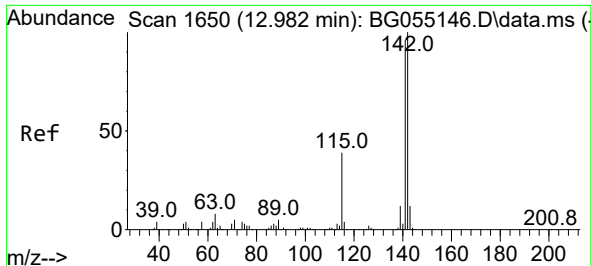
Ion Ratio Lower Upper

142 100

141 91.2 74.8 112.2

115 37.6 29.8 44.6

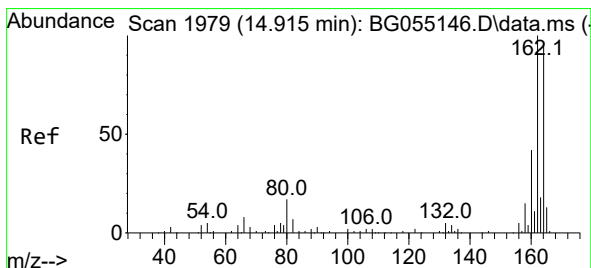
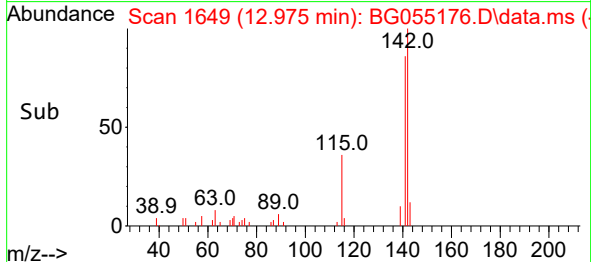
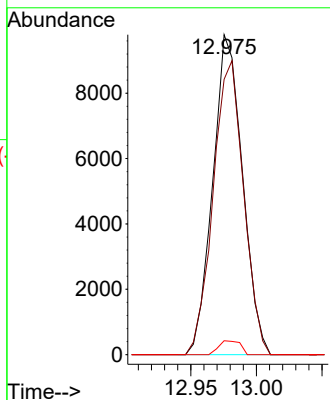
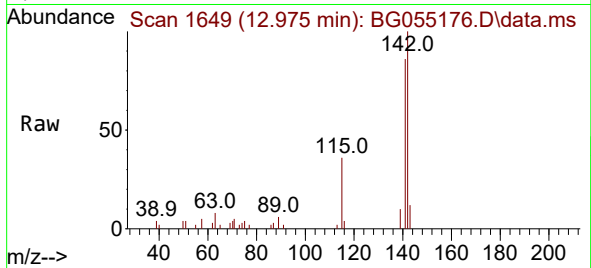




#38
1-Methylnaphthalene
Concen: 2.571 ng
RT: 12.975 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

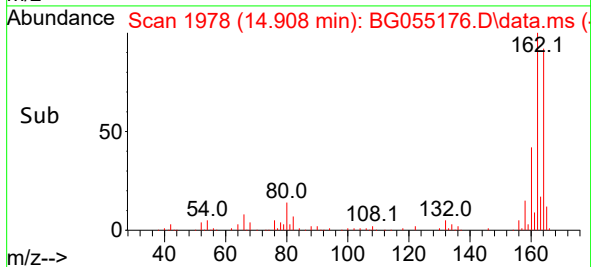
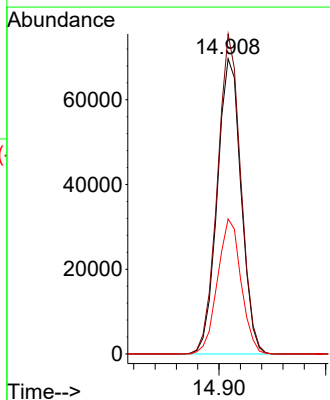
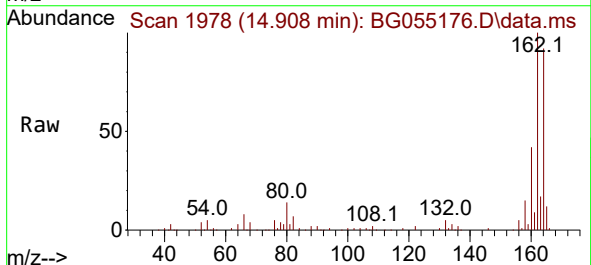
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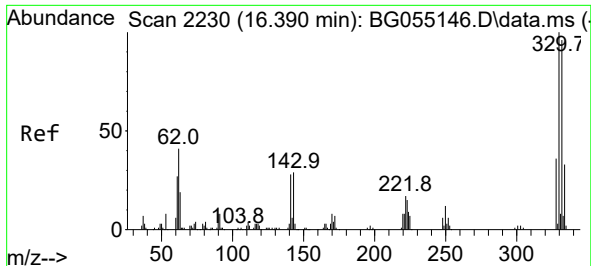
Tgt Ion:142 Resp: 15422
Ion Ratio Lower Upper
142 100
141 86.1 76.9 115.3
116 4.4 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.908 min Scan# 1978
Delta R.T. -0.007 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

Tgt Ion:164 Resp: 107920
Ion Ratio Lower Upper
164 100
162 108.4 83.3 124.9
160 45.8 35.3 52.9

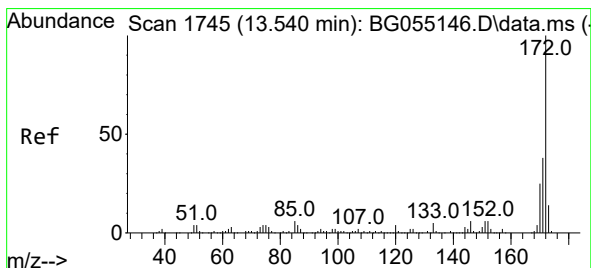
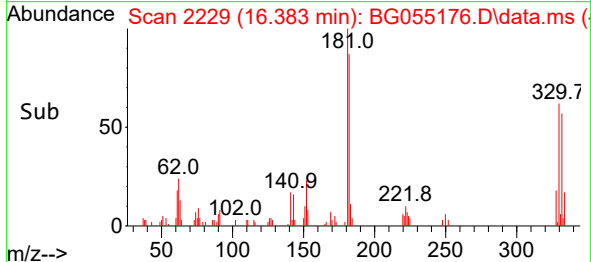
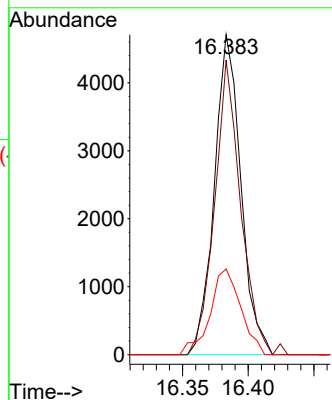
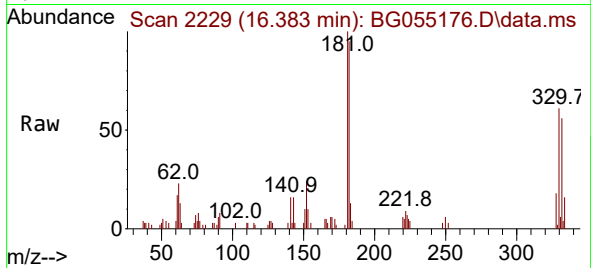




#42
2,4,6-Tribromophenol
Concen: 4.270 ng
RT: 16.383 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

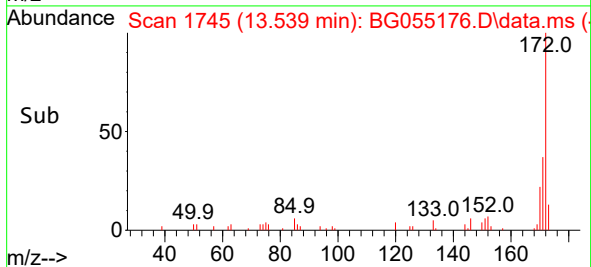
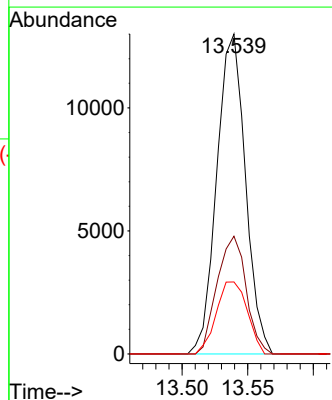
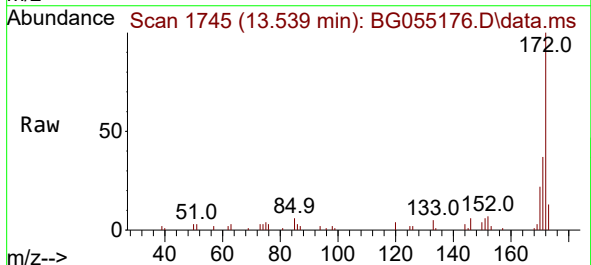
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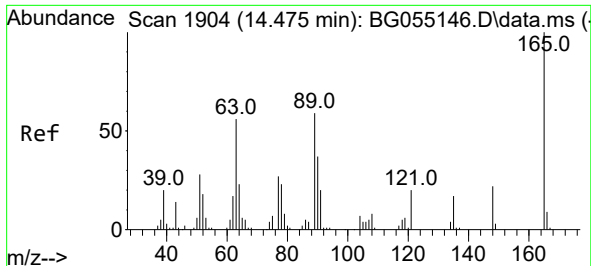
Tgt Ion:330 Resp: 6621
Ion Ratio Lower Upper
330 100
332 90.5 77.0 115.4
141 31.0 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 2.984 ng
RT: 13.539 min Scan# 1745
Delta R.T. -0.001 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

Tgt Ion:172 Resp: 19713
Ion Ratio Lower Upper
172 100
171 36.8 30.1 45.1
170 22.5 19.8 29.6

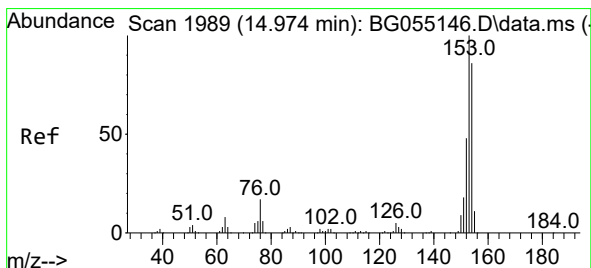
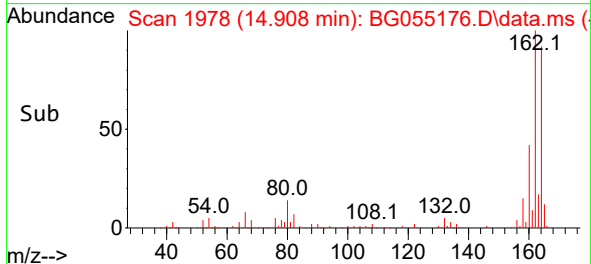
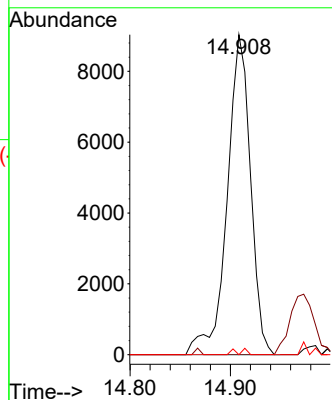
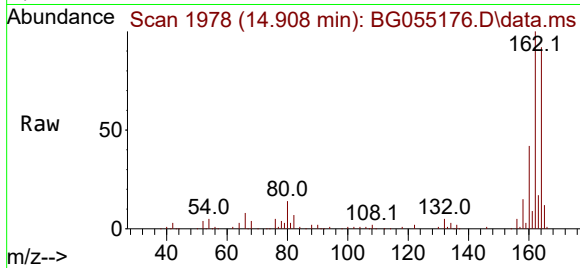




#51
2,6-Dinitrotoluene
Concen: 8.169 ng
RT: 14.908 min Scan# 1904
Delta R.T. 0.434 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

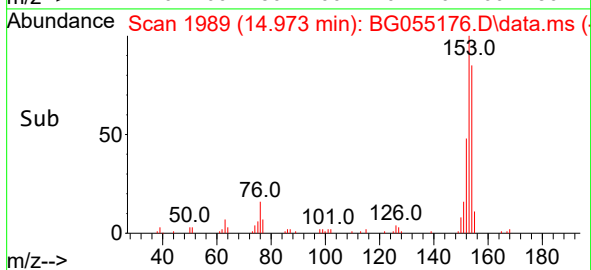
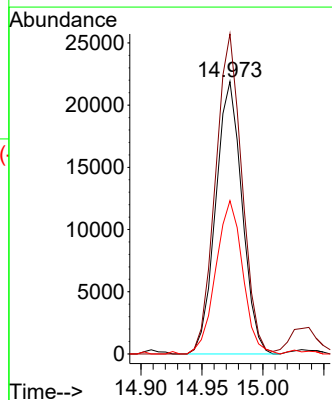
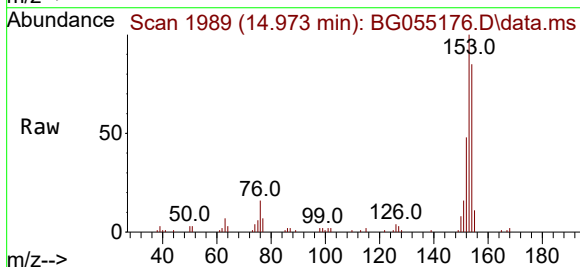
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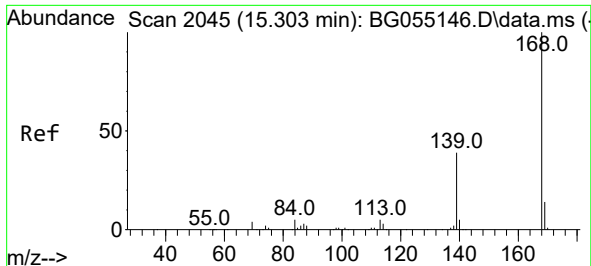
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Ion Ratio Lower Upper
165 100
63 0.0 46.6 70.0#
89 0.0 47.6 71.4#



#52
Acenaphthene
Concen: 5.239 ng
RT: 14.973 min Scan# 1989
Delta R.T. -0.001 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

Tgt Ion:154 Resp: 32976
Ion Ratio Lower Upper
154 100
153 117.5 93.0 139.4
152 56.3 44.6 66.8

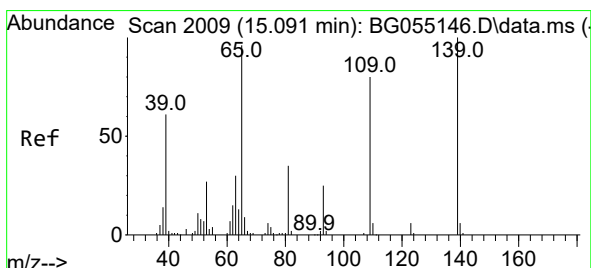
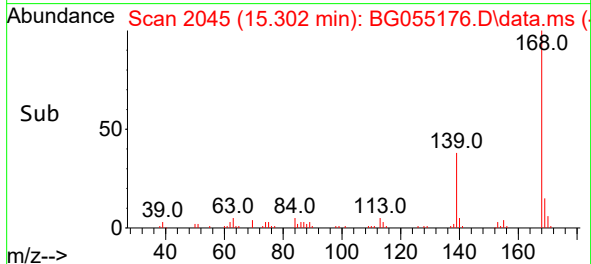
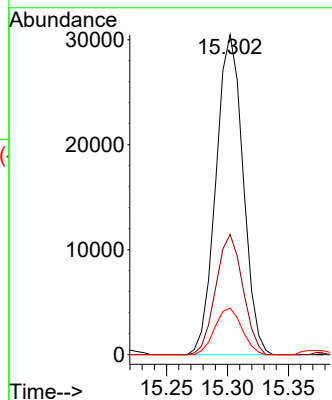
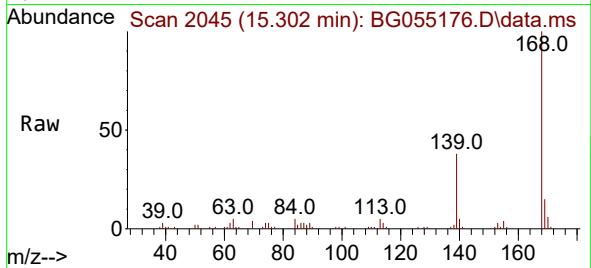




#55
Dibenzenofuran
Concen: 4.800 ng
RT: 15.302 min Scan# 2045
Delta R.T. -0.001 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

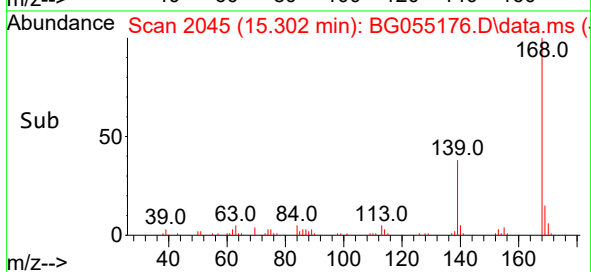
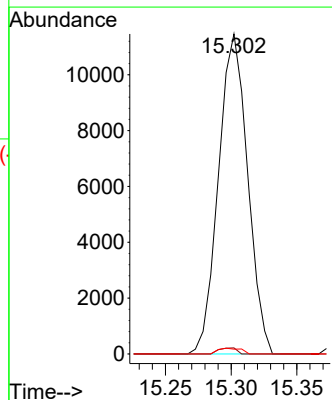
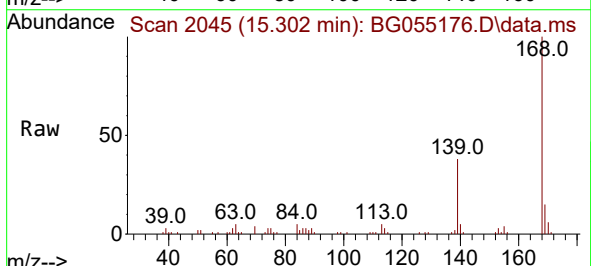
Instrument :
BNA_G
ClientSampleId :
OR-2-101222DL

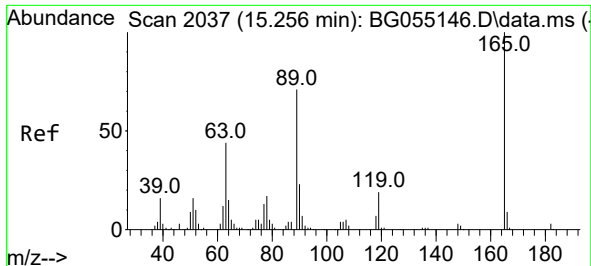
Tgt Ion:168 Resp: 47137
Ion Ratio Lower Upper
168 100
139 37.6 30.9 46.3
169 14.5 11.0 16.6



#56
4-Nitrophenol
Concen: 10.982 ng
RT: 15.302 min Scan# 2045
Delta R.T. 0.211 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

Tgt Ion:139 Resp: 17700
Ion Ratio Lower Upper
139 100
109 1.9 60.1 100.1#
65 1.5 76.1 116.1#





#57

2,4-Dinitrotoluene

Concen: 5.578 ng

RT: 14.908 min Scan# 1978

Delta R.T. -0.348 min

Lab File: BG055176.D

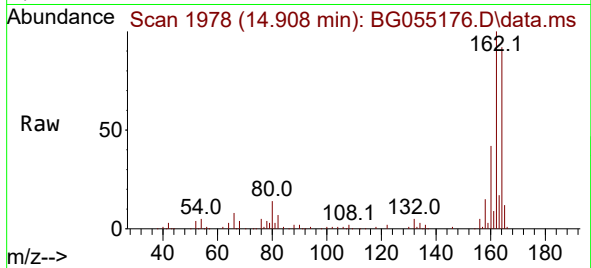
Acq: 14 Oct 2022 13:30

Instrument :

BNA_G

ClientSampleId :

OR-2-101222DL



Tgt Ion:165 Resp: 14584

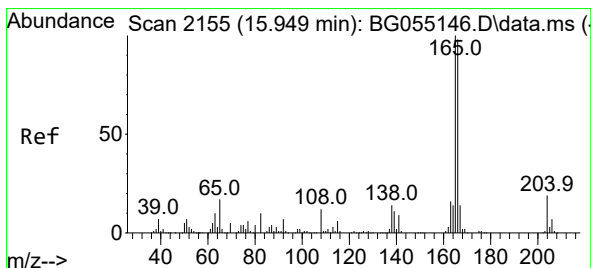
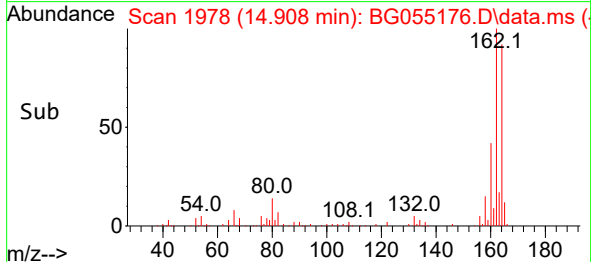
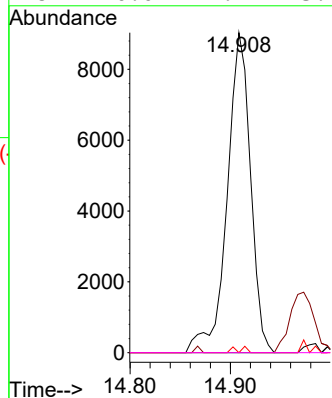
Ion Ratio Lower Upper

165 100

63 0.0 35.6 53.4#

89 0.0 56.4 84.6#

182 0.0 2.1 3.1#



#58

Fluorene

Concen: 8.729 ng

RT: 15.948 min Scan# 2155

Delta R.T. -0.001 min

Lab File: BG055176.D

Acq: 14 Oct 2022 13:30

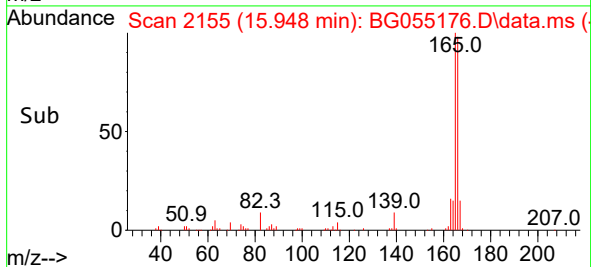
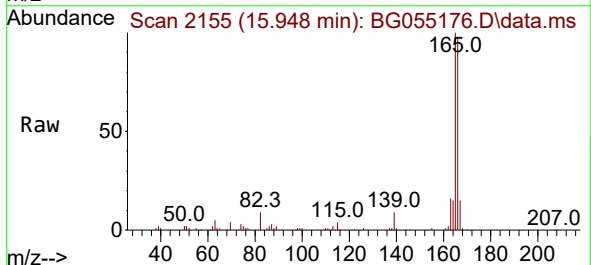
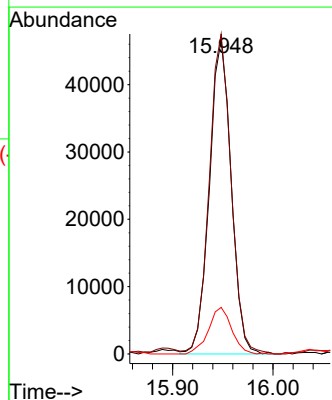
Tgt Ion:166 Resp: 70382

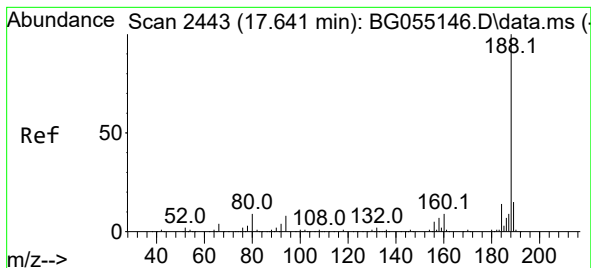
Ion Ratio Lower Upper

166 100

165 101.8 81.6 122.4

167 14.8 11.2 16.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.641 min Scan# 2443

Delta R.T. -0.001 min

Lab File: BG055176.D

Acq: 14 Oct 2022 13:30

Instrument :

BNA_G

ClientSampleId :

OR-2-101222DL

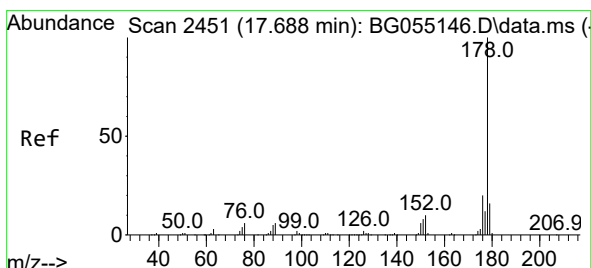
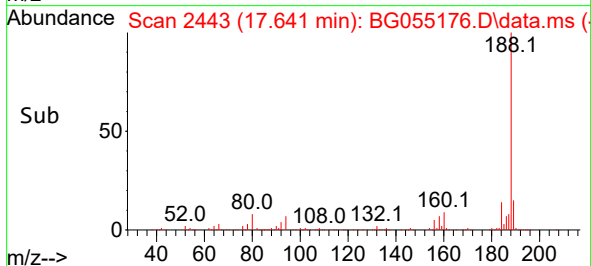
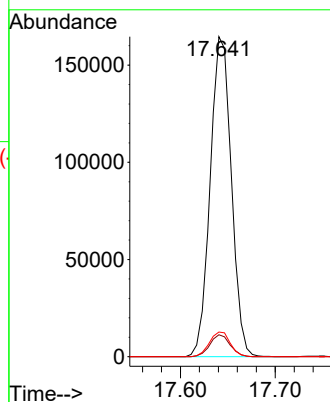
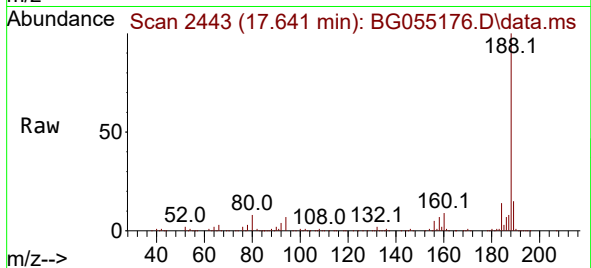
Tgt Ion:188 Resp: 254918

Ion Ratio Lower Upper

188 100

94 6.8 6.2 9.2

80 7.7 7.0 10.6



#71

Phenanthrene

Concen: 43.148 ng

RT: 17.688 min Scan# 2451

Delta R.T. -0.001 min

Lab File: BG055176.D

Acq: 14 Oct 2022 13:30

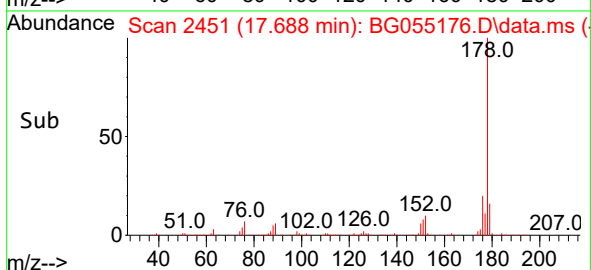
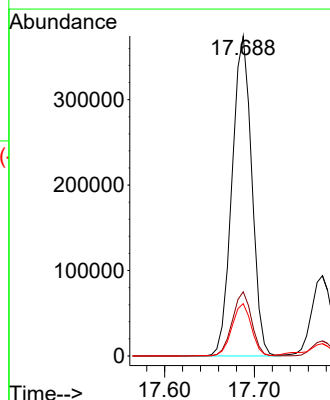
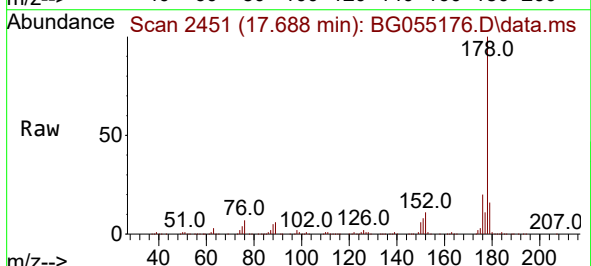
Tgt Ion:178 Resp: 570529

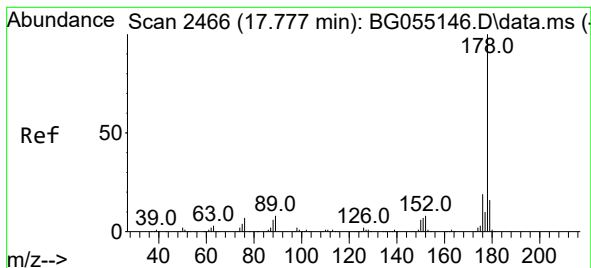
Ion Ratio Lower Upper

178 100

176 20.0 16.0 24.0

179 16.3 12.7 19.1





#72

Anthracene

Concen: 10.932 ng

RT: 17.776 min Scan# 2466

Delta R.T. -0.001 min

Lab File: BG055176.D

Acq: 14 Oct 2022 13:30

Instrument :

BNA_G

ClientSampleId :

OR-2-101222DL

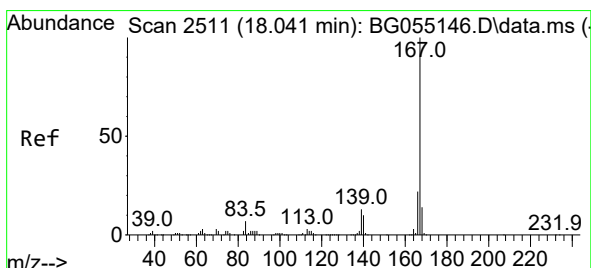
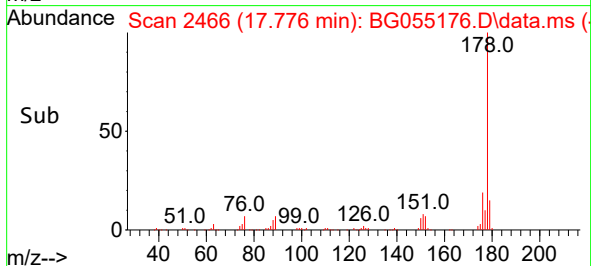
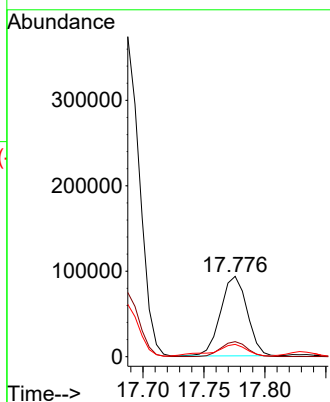
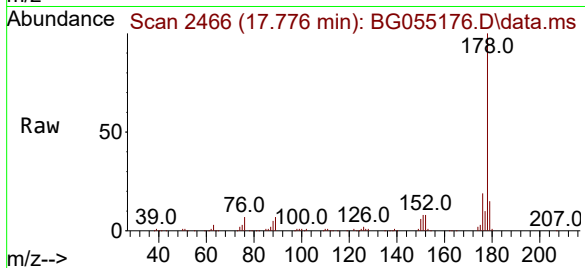
Tgt Ion:178 Resp: 141267

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.4 13.0 19.4



#73

Carbazole

Concen: 5.348 ng

RT: 18.034 min Scan# 2510

Delta R.T. -0.007 min

Lab File: BG055176.D

Acq: 14 Oct 2022 13:30

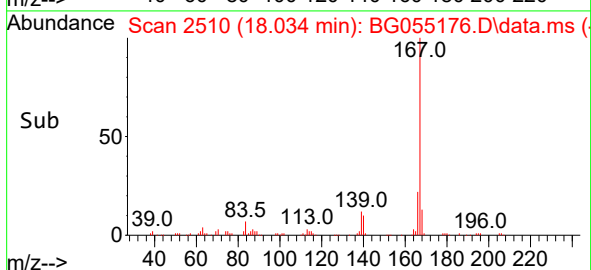
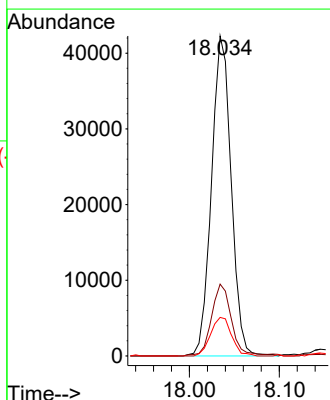
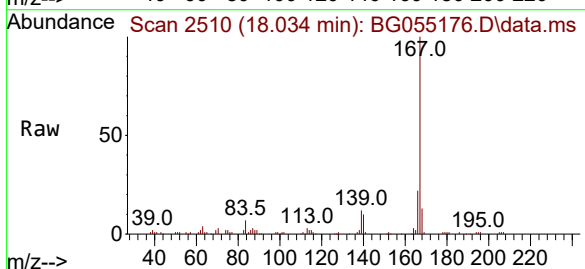
Tgt Ion:167 Resp: 64342

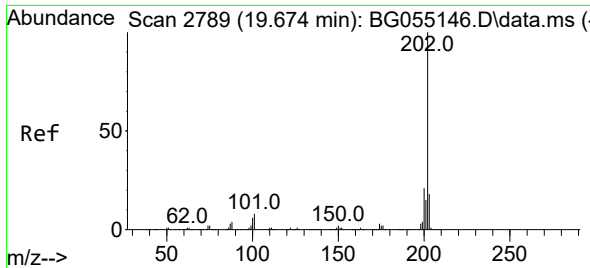
Ion Ratio Lower Upper

167 100

166 22.4 17.9 26.9

139 12.1 10.2 15.2

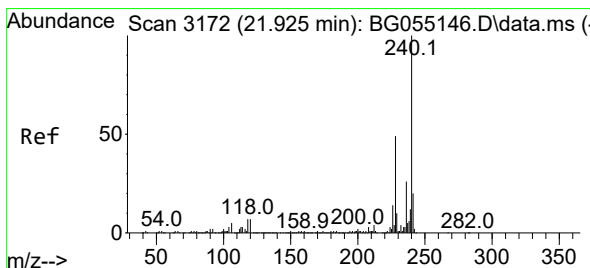
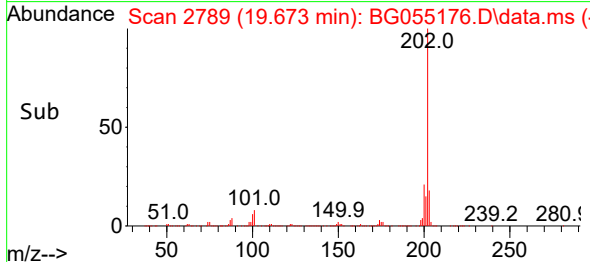
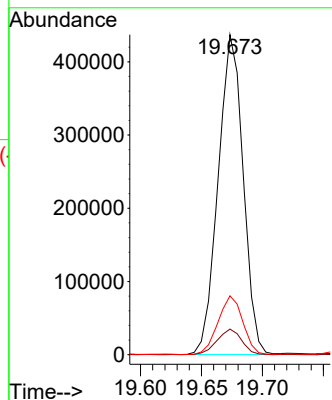
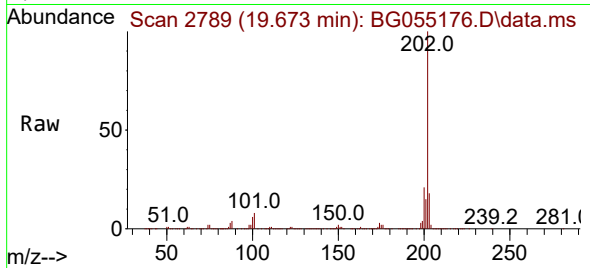




#75
Fluoranthene
Concen: 37.717 ng
RT: 19.673 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

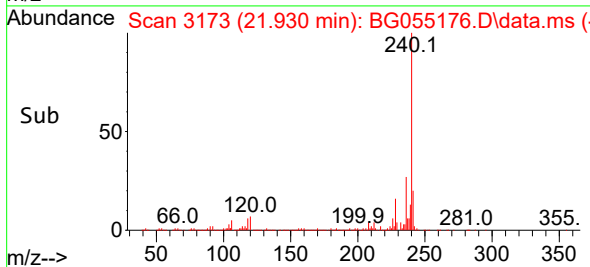
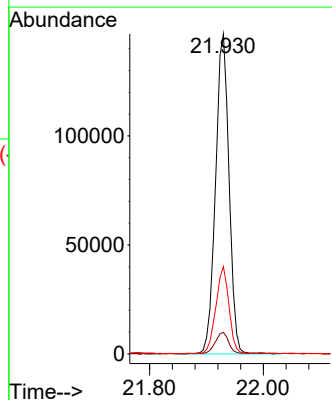
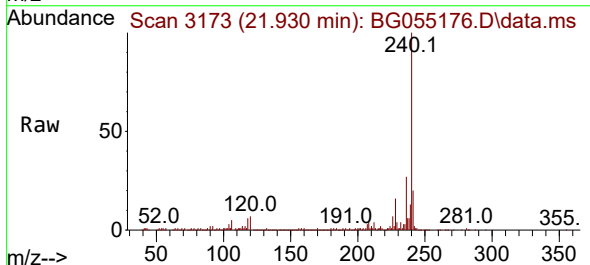
Instrument :
BNA_G
ClientSampleId :
OR-2-101222DL

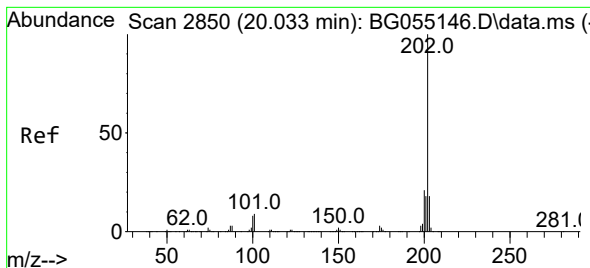
Tgt Ion:202 Resp: 623408
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.4
203 18.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.930 min Scan# 3173
Delta R.T. 0.005 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

Tgt Ion:240 Resp: 242126
Ion Ratio Lower Upper
240 100
120 6.8 5.4 8.0
236 27.3 20.6 31.0





#78

Pyrene

Concen: 31.478 ng

RT: 20.032 min Scan# 2850

Delta R.T. -0.001 min

Lab File: BG055176.D

Acq: 14 Oct 2022 13:30

Instrument :

BNA_G

ClientSampleId :

OR-2-101222DL

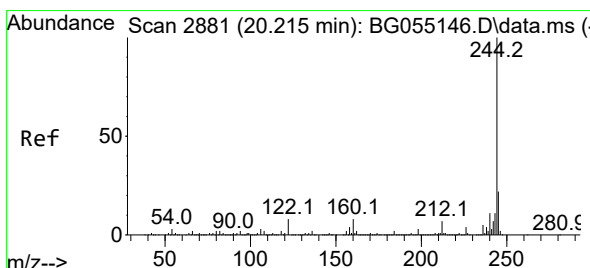
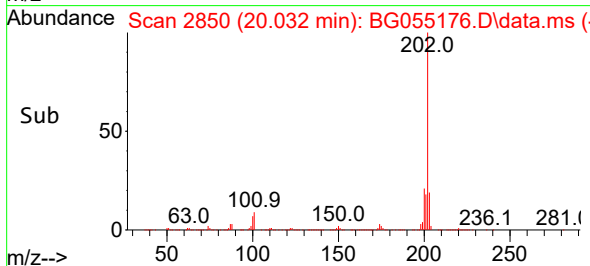
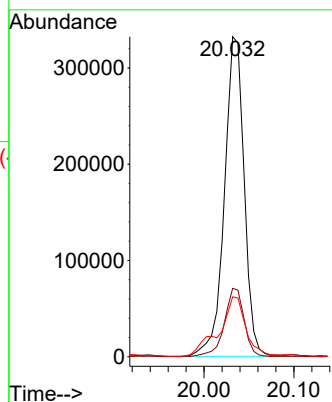
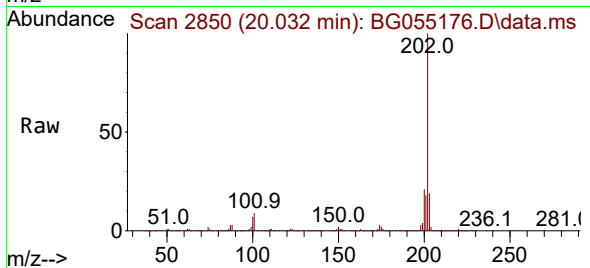
Tgt Ion:202 Resp: 508072

Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

203 18.7 14.4 21.6



#79

Terphenyl-d14

Concen: 3.033 ng

RT: 20.214 min Scan# 2881

Delta R.T. -0.001 min

Lab File: BG055176.D

Acq: 14 Oct 2022 13:30

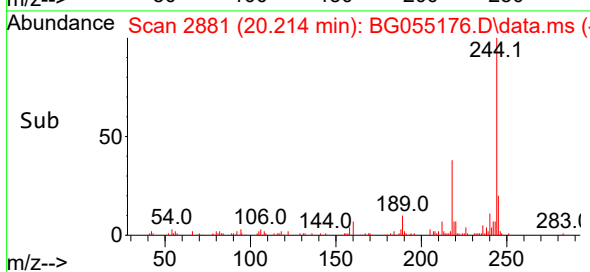
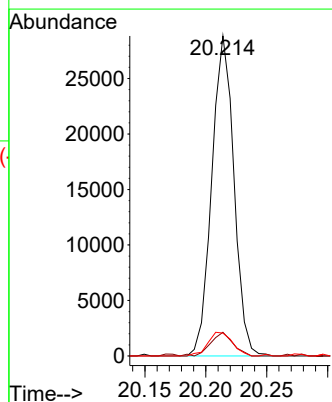
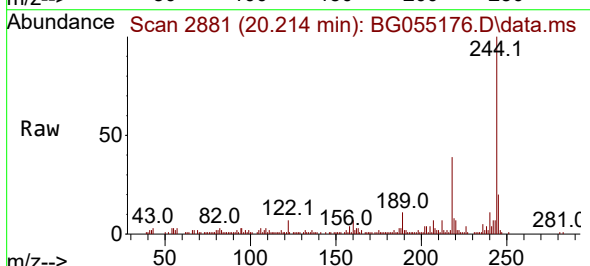
Tgt Ion:244 Resp: 36464

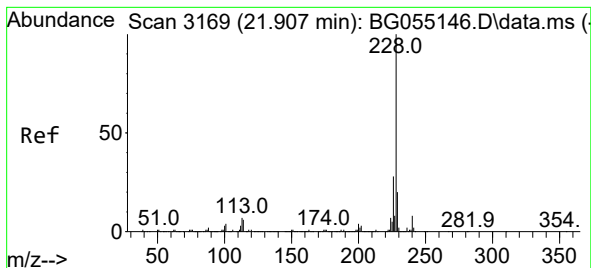
Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 7.1 6.6 10.0





#81

Benzo(a)anthracene

Concen: 15.572 ng

RT: 21.906 min Scan# 3169

Delta R.T. -0.001 min

Lab File: BG055176.D

Acq: 14 Oct 2022 13:30

Instrument :

BNA_G

ClientSampleId :

OR-2-101222DL

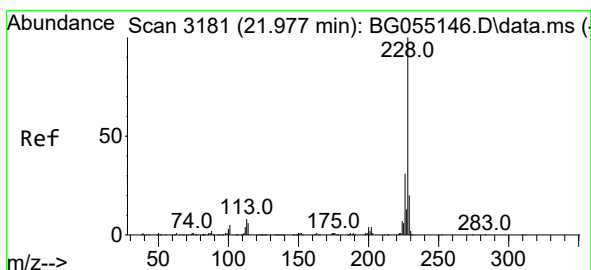
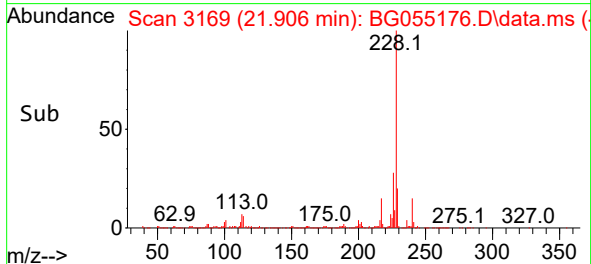
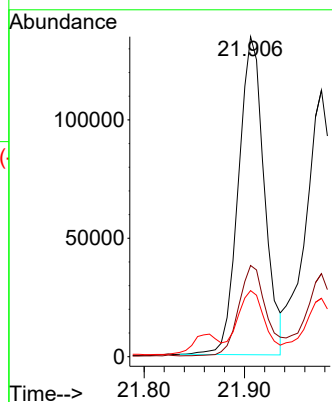
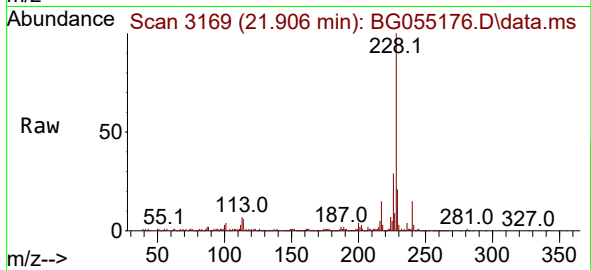
Tgt Ion:228 Resp: 241240

Ion Ratio Lower Upper

228 100

226 28.5 22.6 34.0

229 20.6 16.2 24.4



#83

Chrysene

Concen: 14.416 ng

RT: 21.977 min Scan# 3181

Delta R.T. -0.001 min

Lab File: BG055176.D

Acq: 14 Oct 2022 13:30

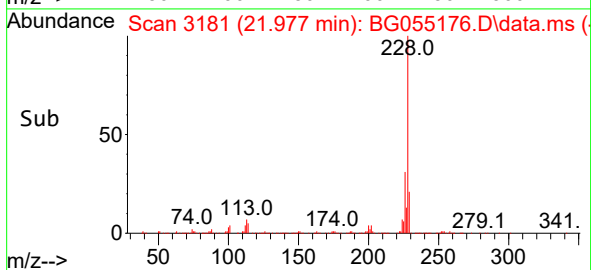
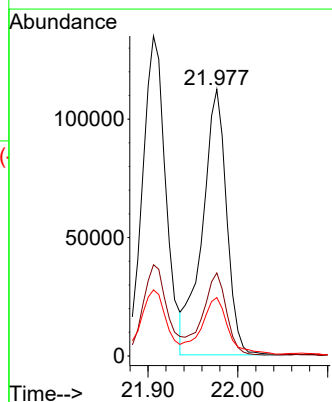
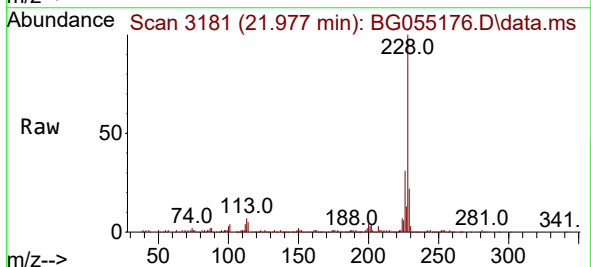
Tgt Ion:228 Resp: 210668

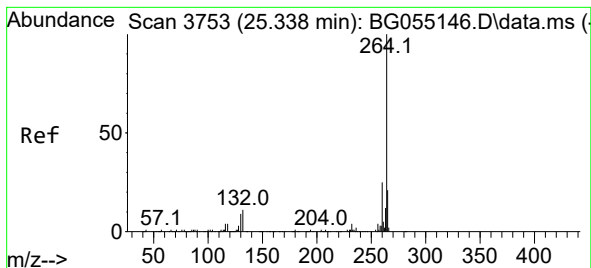
Ion Ratio Lower Upper

228 100

226 31.2 25.1 37.7

229 21.9 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.349 min Scan# 31

Delta R.T. 0.011 min

Lab File: BG055176.D

Acq: 14 Oct 2022 13:30

Instrument :

BNA_G

ClientSampleId :

OR-2-101222DL

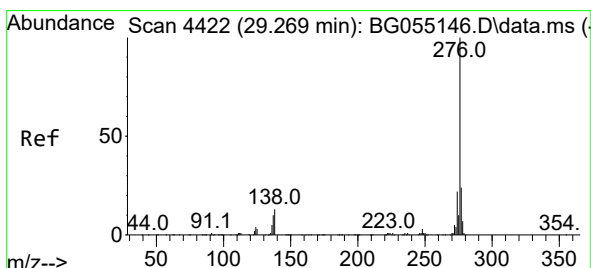
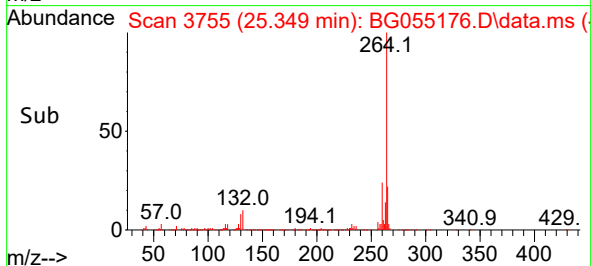
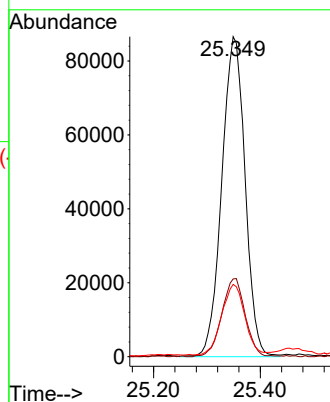
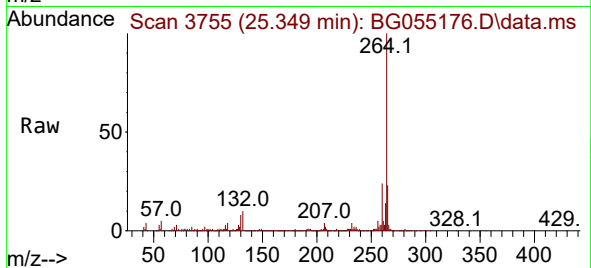
Tgt Ion:264 Resp: 262627

Ion Ratio Lower Upper

264 100

260 24.3 20.1 30.1

265 22.6 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.359 ng

RT: 29.280 min Scan# 4424

Delta R.T. 0.011 min

Lab File: BG055176.D

Acq: 14 Oct 2022 13:30

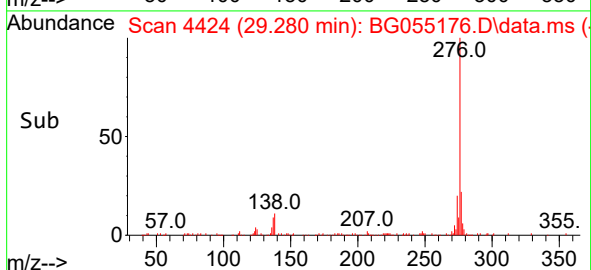
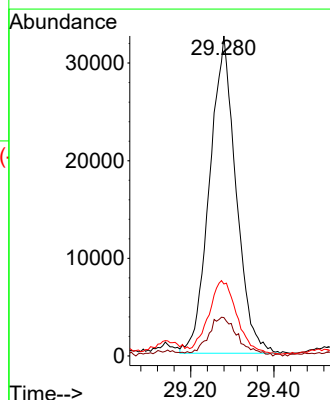
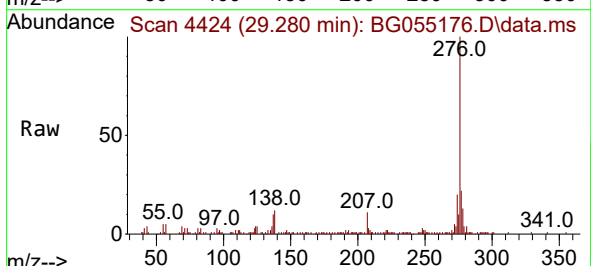
Tgt Ion:276 Resp: 143165

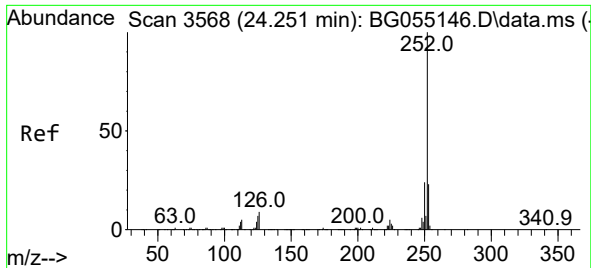
Ion Ratio Lower Upper

276 100

138 13.9 13.4 20.0

277 25.2 20.5 30.7

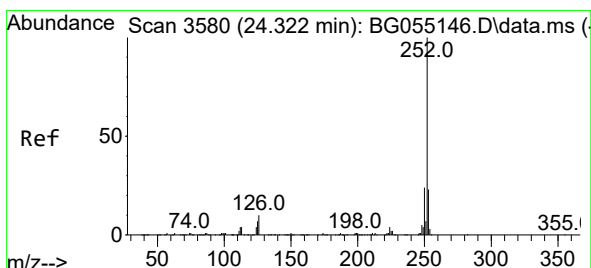
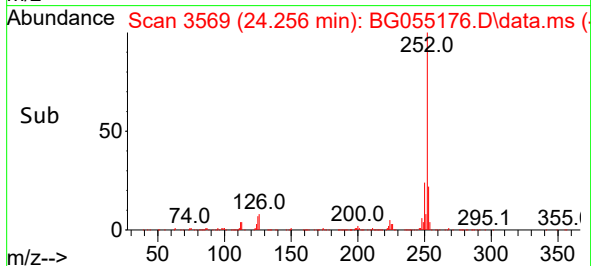
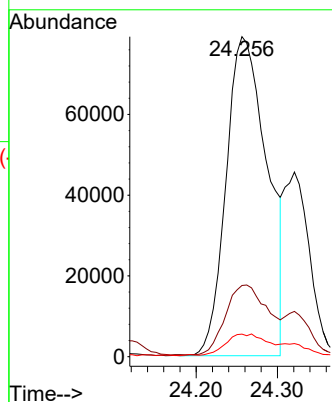
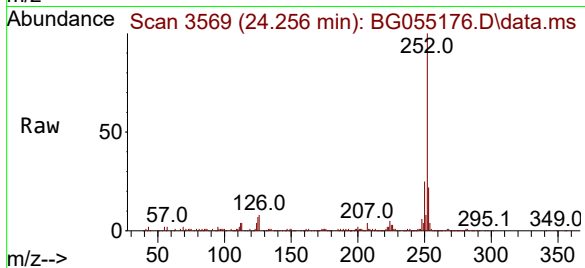




#88
Benzo(b)fluoranthene
Concen: 17.747 ng
RT: 24.256 min Scan# 3569
Delta R.T. 0.005 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

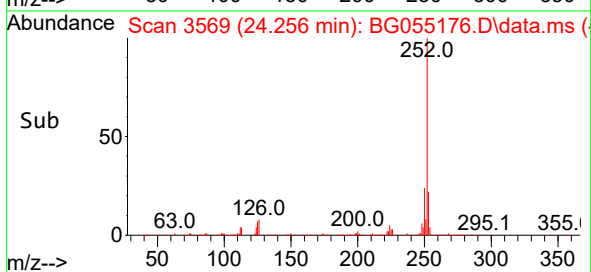
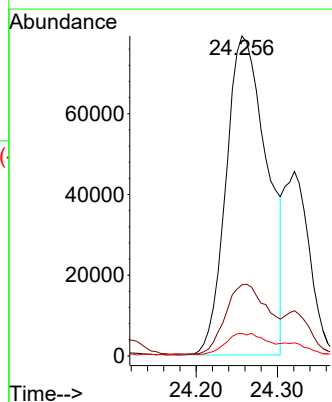
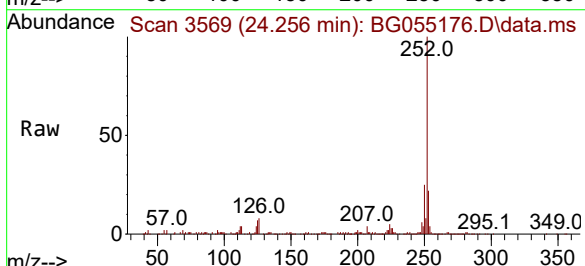
Instrument :
BNA_G
ClientSampleId :
OR-2-101222DL

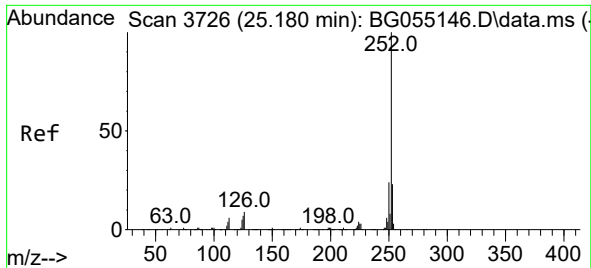
Tgt Ion:252 Resp: 277794
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 7.1 5.7 8.5



#89
Benzo(k)fluoranthene
Concen: 17.664 ng
RT: 24.256 min Scan# 3569
Delta R.T. -0.066 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

Tgt Ion:252 Resp: 277794
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 7.1 5.8 8.6

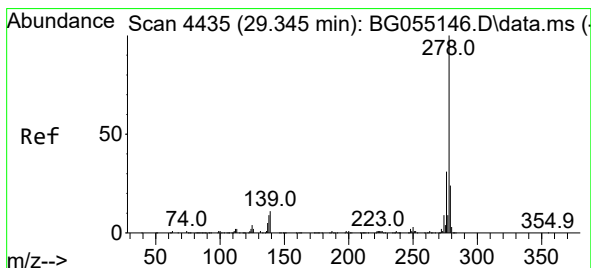
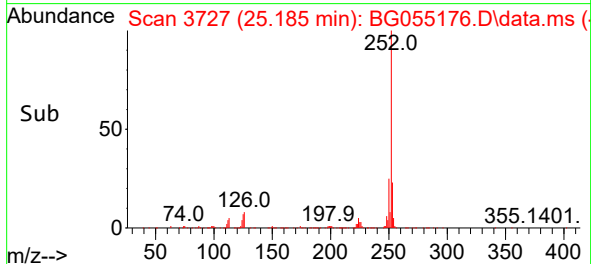
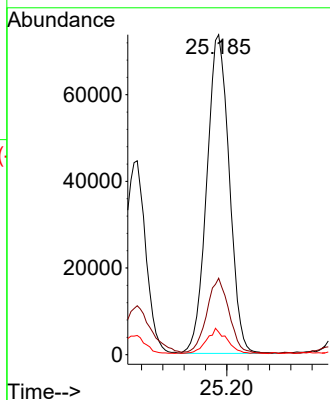
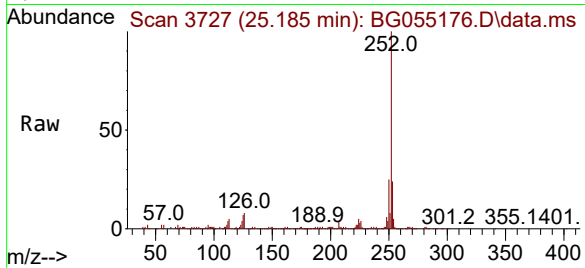




#90
Benzo(a)pyrene
Concen: 16.067 ng
RT: 25.185 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

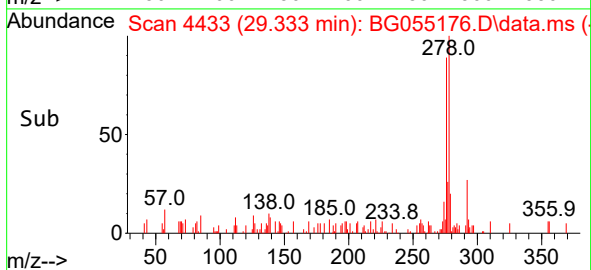
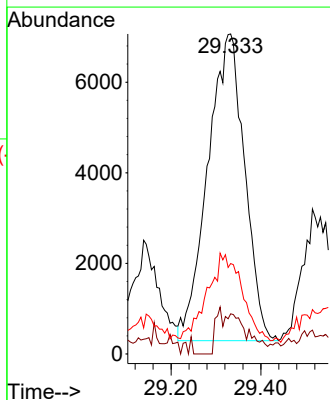
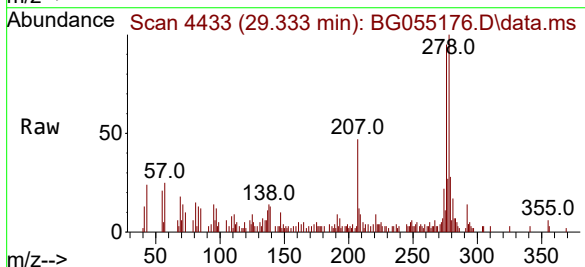
Instrument :
BNA_G
ClientSampleId :
OR-2-101222DL

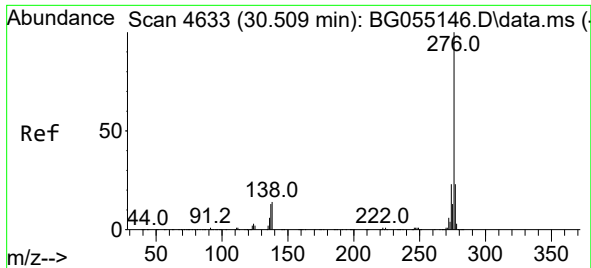
Tgt Ion:252 Resp: 215065
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.2
125 7.1 5.8 8.8



#91
Dibenzo(a,h)anthracene
Concen: 2.399 ng
RT: 29.333 min Scan# 4433
Delta R.T. -0.013 min
Lab File: BG055176.D
Acq: 14 Oct 2022 13:30

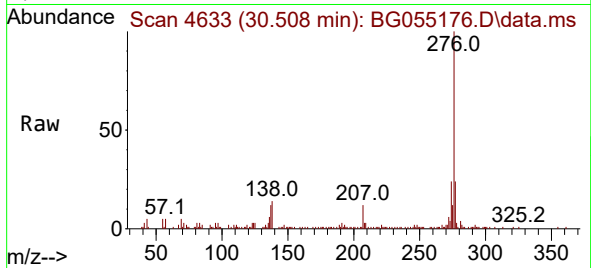
Tgt Ion:278 Resp: 38616
Ion Ratio Lower Upper
278 100
139 12.5 8.4 12.6
279 28.3 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 8.367 ng
 RT: 30.508 min Scan# 4
 Delta R.T. -0.001 min
 Lab File: BG055176.D
 Acq: 14 Oct 2022 13:30

Instrument :
 BNA_G
 ClientSampleId :
 OR-2-101222DL



Tgt Ion:	276	Resp:	131939
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.4	27.6
138	13.7	11.2	16.8

