

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100422\
 Data File : BG055063.D
 Acq On : 4 Oct 2022 14:48
 Operator : CG/JU
 Sample : N4943-03DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 05 00:31:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 07:12:22 2022
 Response via : Initial Calibration

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

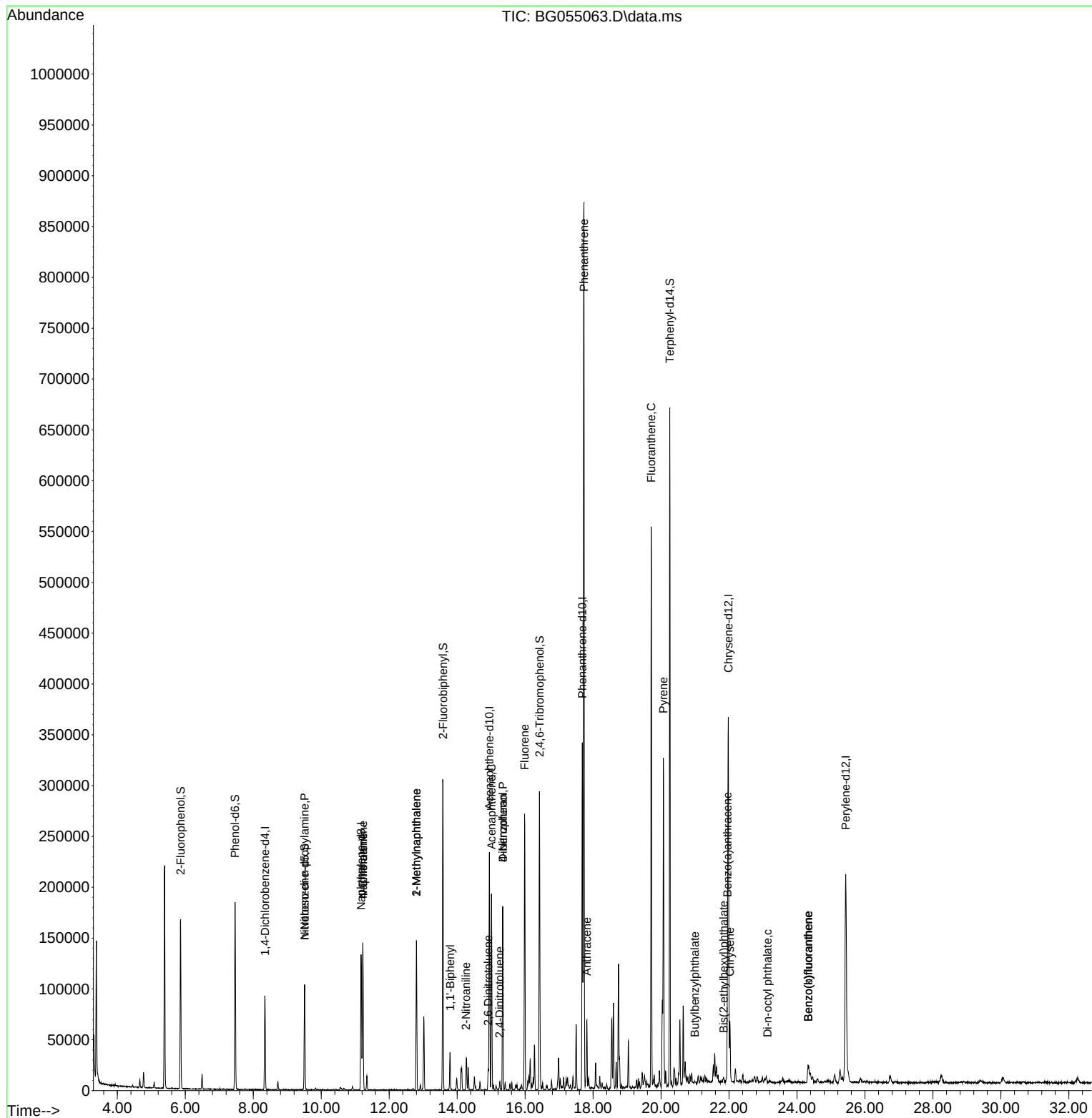
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.346	152	26123	20.000	ng	0.00
21) Naphthalene-d8	11.172	136	110850	20.000	ng	0.00
39) Acenaphthene-d10	14.944	164	83849	20.000	ng	0.00
64) Phenanthrene-d10	17.682	188	214430	20.000	ng	0.00
76) Chrysene-d12	21.977	240	226410	20.000	ng	0.00
86) Perylene-d12	25.432	264	243404	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.861	112	70554	59.989	ng	0.00
7) Phenol-d6	7.465	99	100317	56.928	ng	0.00
23) Nitrobenzene-d5	9.510	82	59381	32.010	ng	0.00
42) 2,4,6-Tribromophenol	16.425	330	50002	60.902	ng	0.00
45) 2-Fluorobiphenyl	13.581	172	157922	29.402	ng	0.00
79) Terphenyl-d14	20.256	244	330361	29.492	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.510	70	8410	4.927	ng	# 80
31) Naphthalene	11.225	128	118181	20.200	ng	99
33) 4-Chloroaniline	11.225	127	15674	6.479	ng	# 30
37) 2-Methylnaphthalene	12.800	142	67030	15.547	ng	100
38) 1-Methylnaphthalene	12.800	142	67030	15.983	ng	99
46) 1,1'-Biphenyl	13.793	154	20069	3.491	ng	96
48) 2-Nitroaniline	14.257	65	55	4.120	ng	# 7
51) 2,6-Dinitrotoluene	14.909	165	2260	5.301	ng	# 37
52) Acenaphthene	15.009	154	66696	14.002	ng	95
55) Dibenzofuran	15.344	168	118506	15.594	ng	99
56) 4-Nitrophenol	15.344	139	45345	45.689	ng	# 3
57) 2,4-Dinitrotoluene	15.250	165	482	3.884	ng	# 15
58) Fluorene	15.984	166	122996	20.225	ng	99
71) Phenanthrene	17.729	178	564723	50.136	ng	99
72) Anthracene	17.818	178	46361	4.232	ng	99
75) Fluoranthene	19.709	202	344630	24.526	ng	99
78) Pyrene	20.068	202	223308	14.833	ng	99
80) Butylbenzylphthalate	20.990	149	61	4.850	ng	# 23
81) Benzo(a)anthracene	21.954	228	59392	4.129	ng	98
83) Chrysene	22.024	228	45449	3.279	ng	95
84) Bis(2-ethylhexyl)phtha...	21.842	149	1357	4.277	ng	# 54
85) Di-n-octyl phthalate	23.135	149	57	4.345	ng	# 71
88) Benzo(b)fluoranthene	24.333	252	28966	2.020	ng	98
89) Benzo(k)fluoranthene	24.333	252	28966	2.005	ng	97

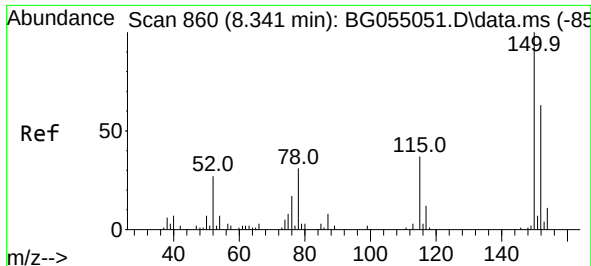
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100422\
Data File : BG055063.D
Acq On : 4 Oct 2022 14:48
Operator : CG/JU
Sample : N4943-03DL 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

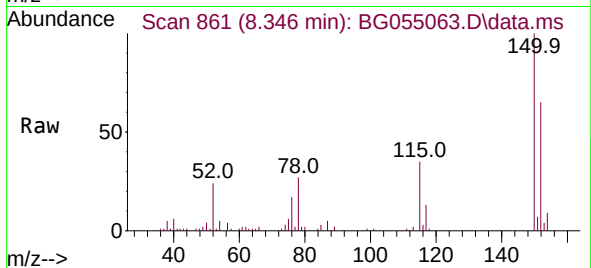
Quant Time: Oct 05 00:31:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 04 07:12:22 2022
Response via : Initial Calibration



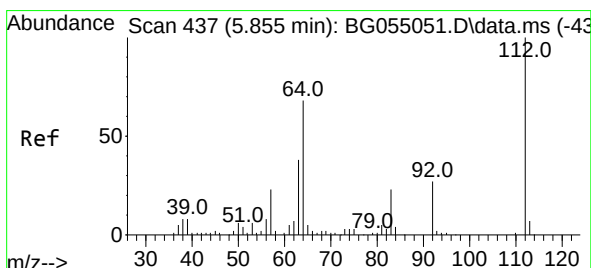
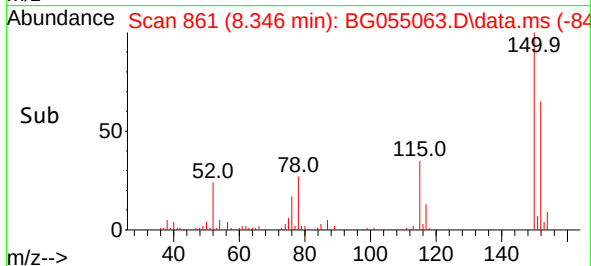
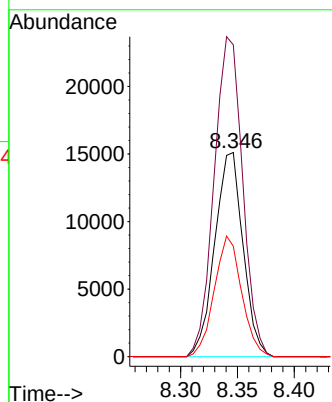


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.346 min Scan# 860
Delta R.T. 0.005 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

Instrument :
BNA_G
ClientSampleId :

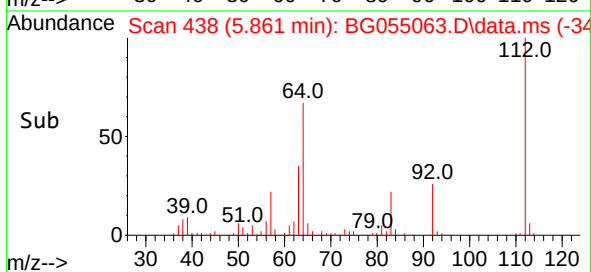
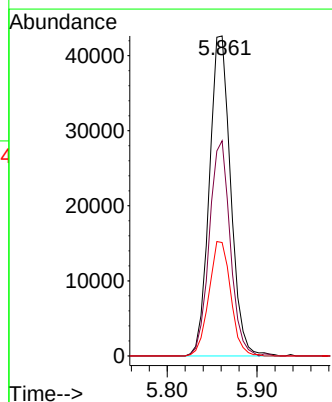
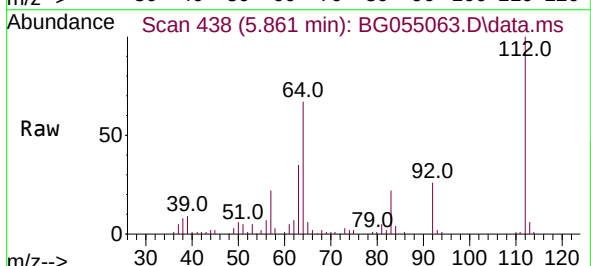


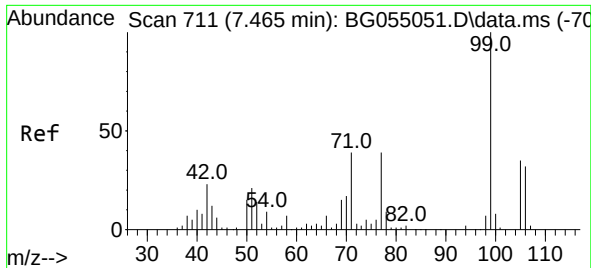
Tgt Ion:152 Resp: 26123
Ion Ratio Lower Upper
152 100
150 152.8 128.0 192.0
115 54.1 47.7 71.5



#5
2-Fluorophenol
Concen: 59.989 ng
RT: 5.861 min Scan# 438
Delta R.T. 0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

Tgt Ion:112 Resp: 70554
Ion Ratio Lower Upper
112 100
64 67.2 54.5 81.7
63 35.4 30.5 45.7

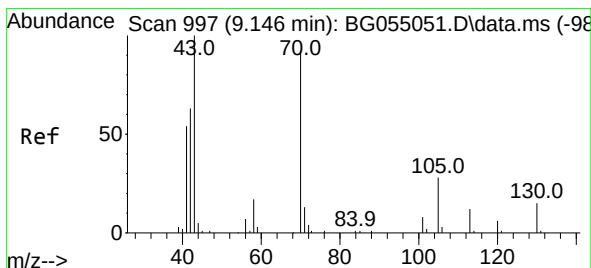
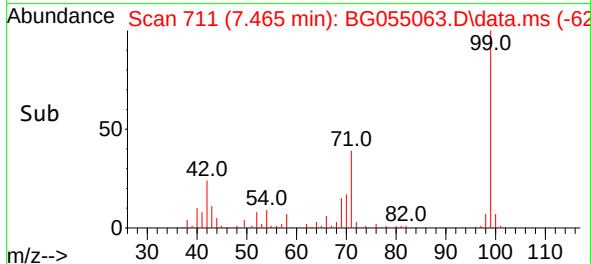
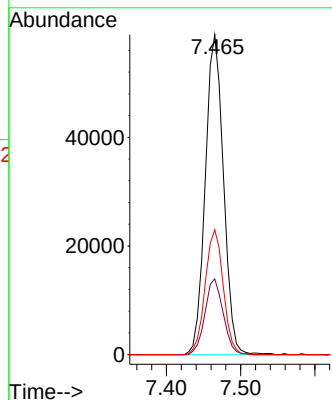
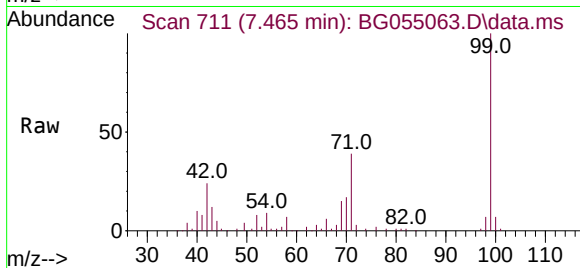




#7
Phenol-d6
Concen: 56.928 ng
RT: 7.465 min Scan# 711
Delta R.T. 0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

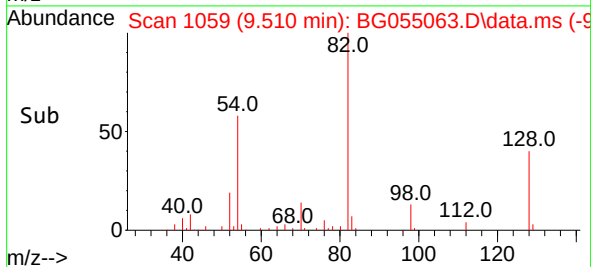
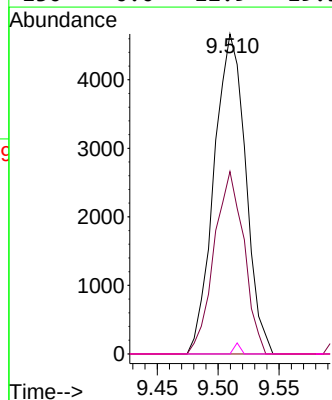
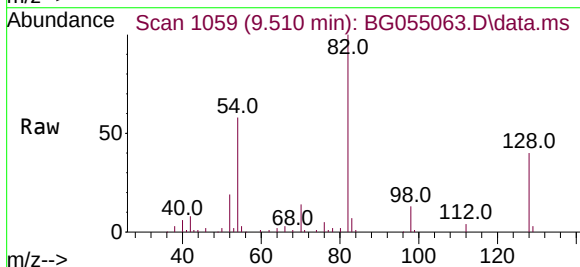
Instrument :
BNA_G
ClientSampleId :

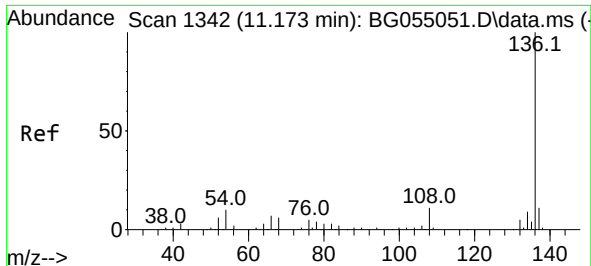
Tgt Ion: 99 Resp: 100317
Ion Ratio Lower Upper
99 100
42 23.7 18.6 28.0
71 39.0 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 4.927 ng
RT: 9.510 min Scan# 1059
Delta R.T. 0.364 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

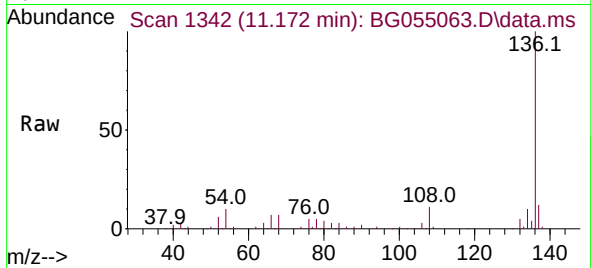
Tgt Ion: 70 Resp: 8410
Ion Ratio Lower Upper
70 100
42 57.0 55.8 83.6
101 0.0 7.1 10.7#
130 0.0 12.9 19.3#



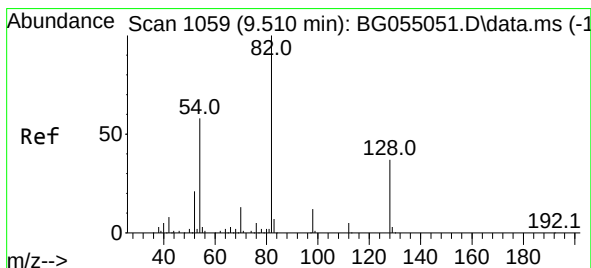
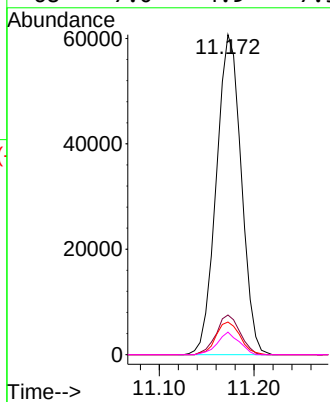
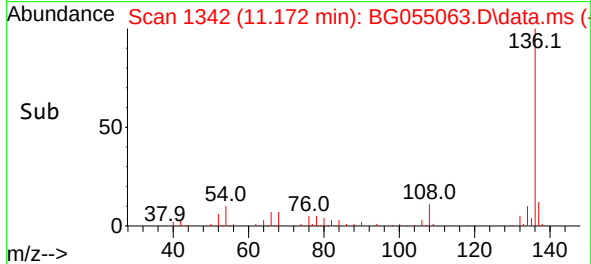


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.172 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

Instrument :
BNA_G
ClientSampleId :

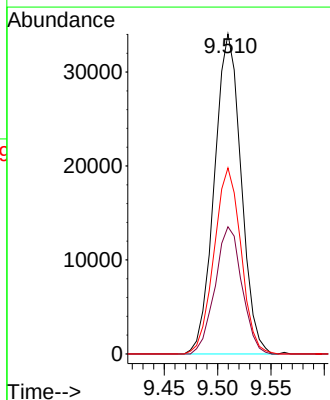
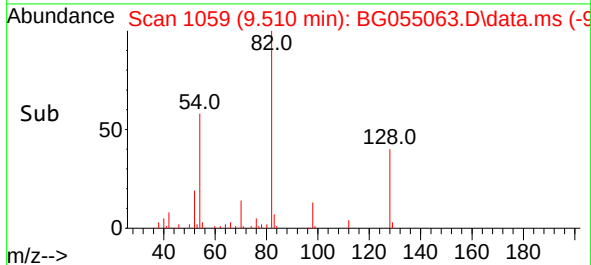
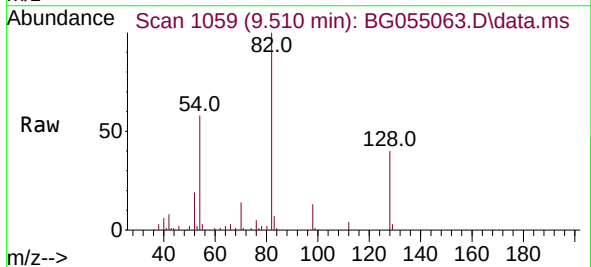


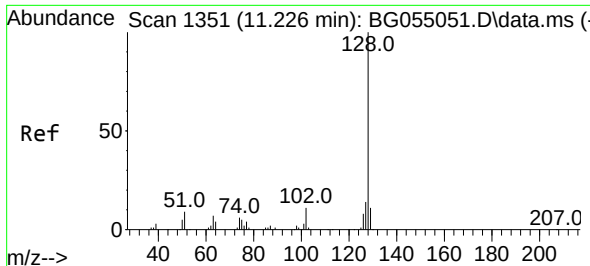
Tgt Ion:136 Resp: 110850
Ion Ratio Lower Upper
136 100
137 12.4 8.7 13.1
54 10.2 8.2 12.4
68 7.0 4.9 7.3



#23
Nitrobenzene-d5
Concen: 32.010 ng
RT: 9.510 min Scan# 1059
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

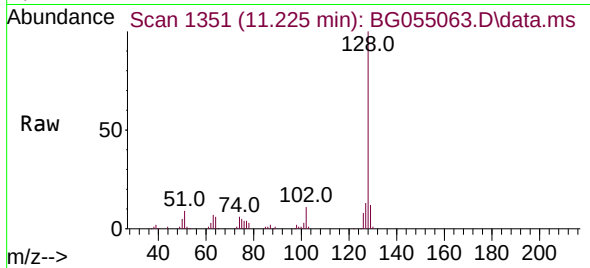
Tgt Ion: 82 Resp: 59381
Ion Ratio Lower Upper
82 100
128 39.7 29.5 44.3
54 58.1 46.7 70.1



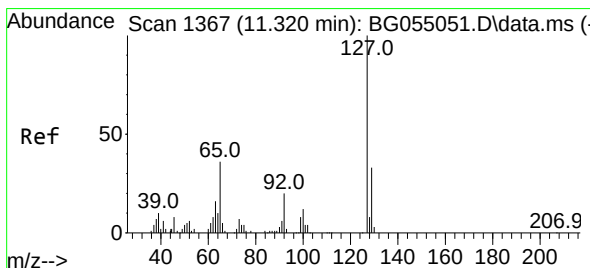
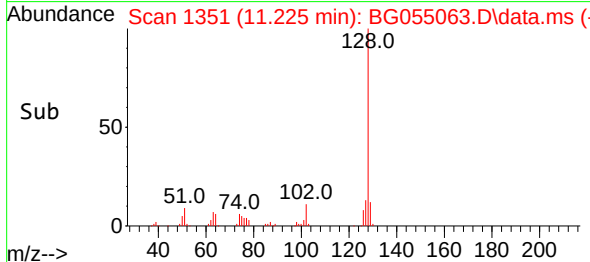
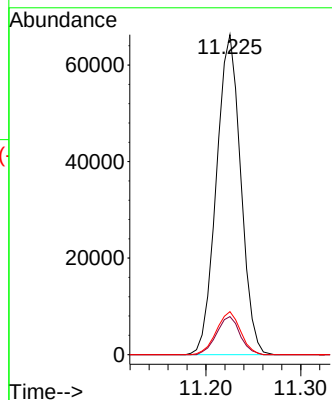


#31
Naphthalene
Concen: 20.200 ng
RT: 11.225 min Scan# 1351
Delta R.T. -0.001 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

Instrument :
BNA_G
ClientSampleId :

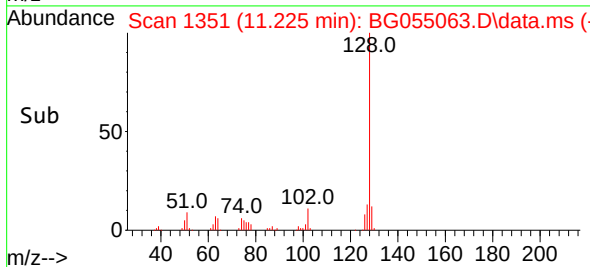
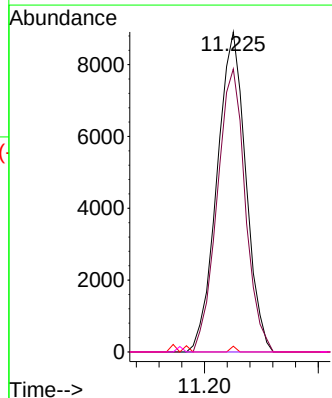
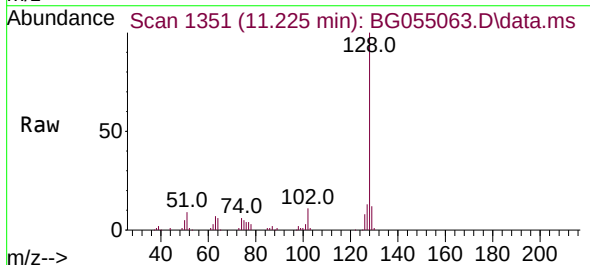


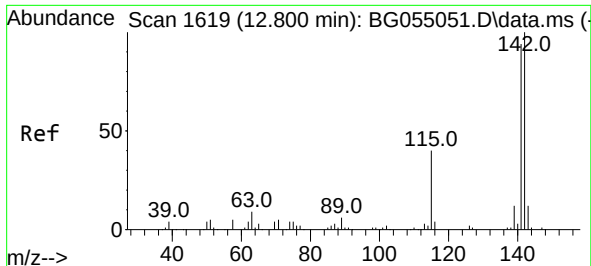
Tgt Ion:128 Resp: 118181
Ion Ratio Lower Upper
128 100
129 11.9 8.7 13.1
127 13.4 10.9 16.3



#33
4-Chloroaniline
Concen: 6.479 ng
RT: 11.225 min Scan# 1351
Delta R.T. -0.095 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

Tgt Ion:127 Resp: 15674
Ion Ratio Lower Upper
127 100
129 88.4 26.4 39.6#
65 1.8 28.6 43.0#
92 0.0 16.2 24.2#

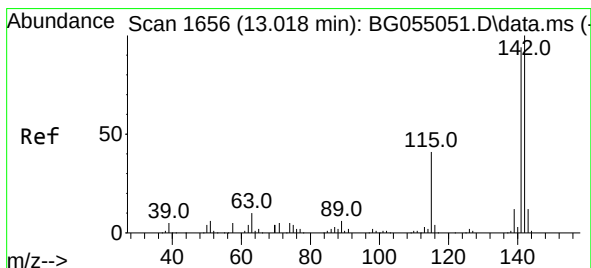
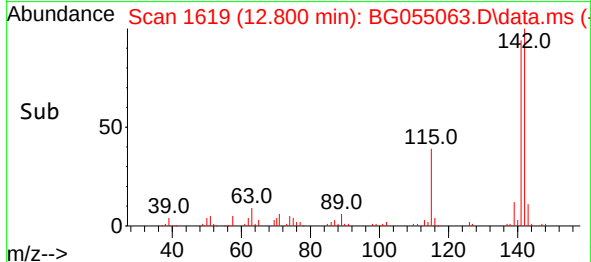
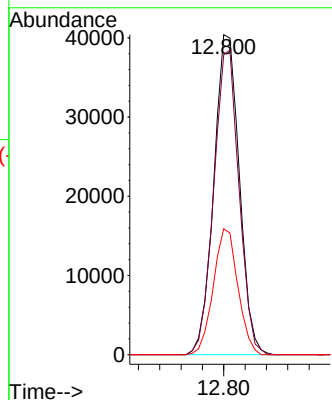
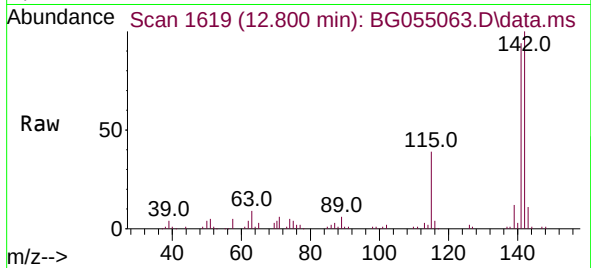




#37
2-Methylnaphthalene
Concen: 15.547 ng
RT: 12.800 min Scan# 1619
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

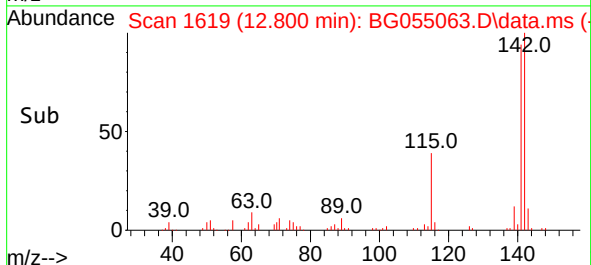
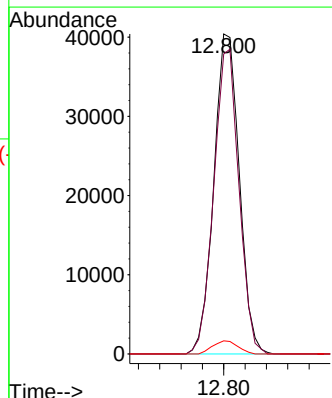
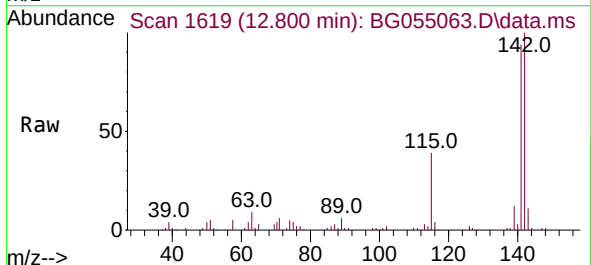
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BNA_G
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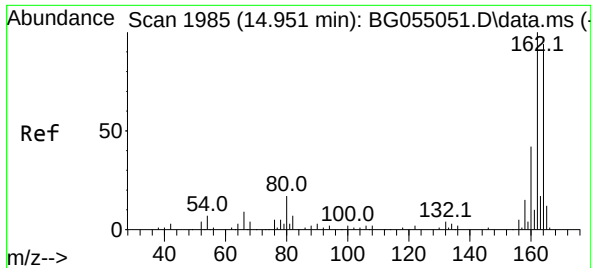
Tgt Ion:142 Resp: 67030
Ion Ratio Lower Upper
142 100
141 93.7 75.0 112.4
115 39.3 31.7 47.5



#38
1-Methylnaphthalene
Concen: 15.983 ng
RT: 12.800 min Scan# 1619
Delta R.T. -0.218 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

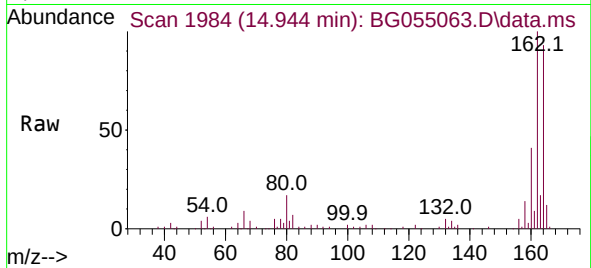
Tgt Ion:142 Resp: 67030
Ion Ratio Lower Upper
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141 93.7 75.5 113.3
116 4.1 3.4 5.2



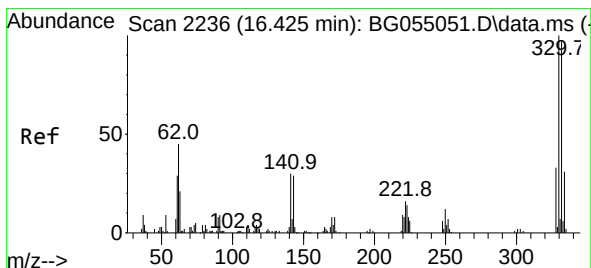
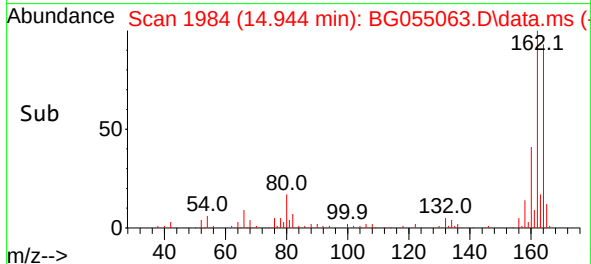
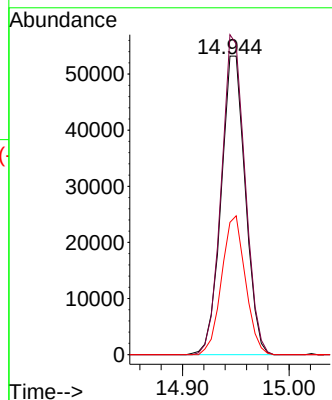


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.944 min Scan# 1984
 Delta R.T. -0.006 min
 Lab File: BG055063.D
 Acq: 4 Oct 2022 14:48

Instrument :
 BNA_G
 ClientSampleId :

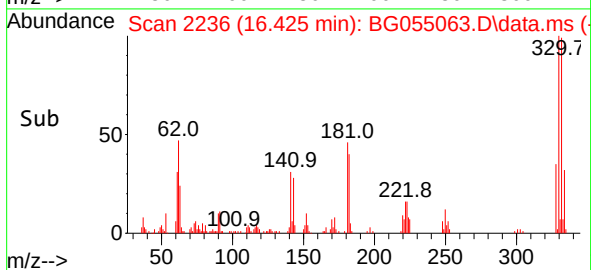
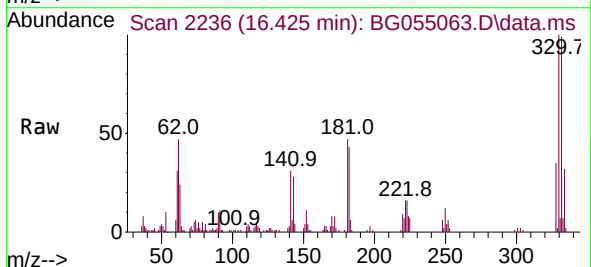
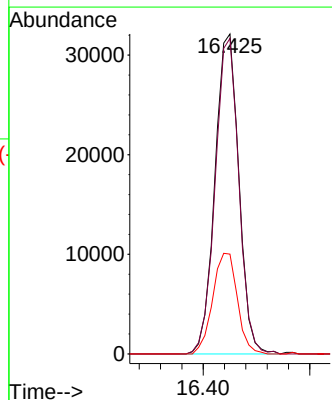


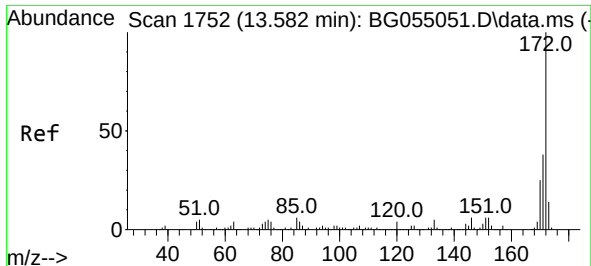
Tgt Ion:164 Resp: 83849
 Ion Ratio Lower Upper
 164 100
 162 107.2 85.5 128.3
 160 44.3 35.5 53.3



#42
 2,4,6-Tribromophenol
 Concen: 60.902 ng
 RT: 16.425 min Scan# 2236
 Delta R.T. 0.000 min
 Lab File: BG055063.D
 Acq: 4 Oct 2022 14:48

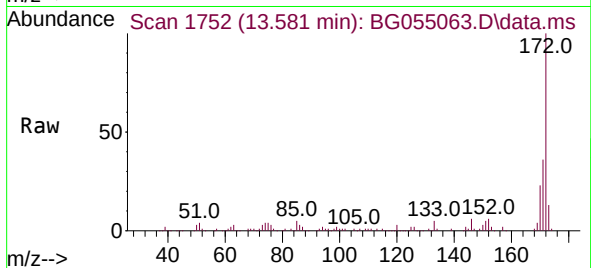
Tgt Ion:330 Resp: 50002
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.4 116.0
 141 32.4 25.0 37.4



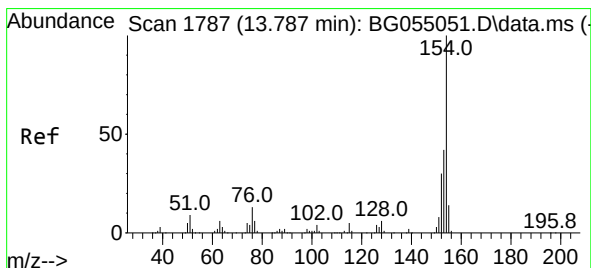
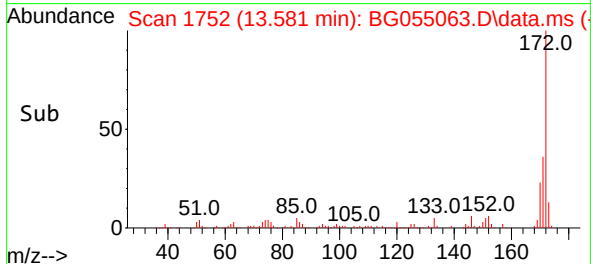
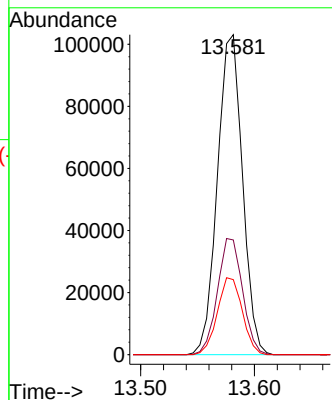


#45
2-Fluorobiphenyl
Concen: 29.402 ng
RT: 13.581 min Scan# 1752
Delta R.T. -0.001 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

Instrument :
BNA_G
ClientSampleId :

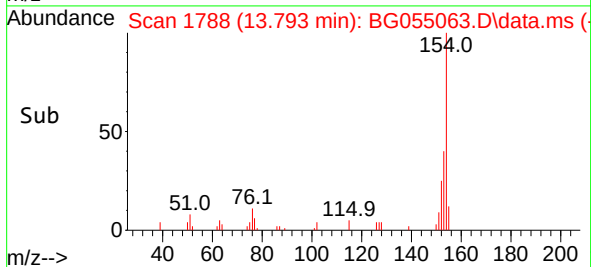
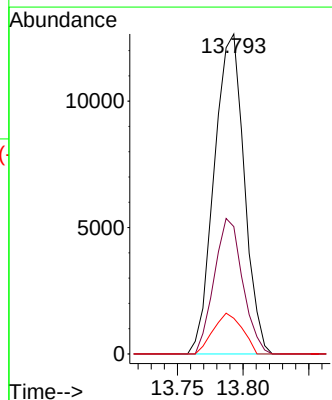
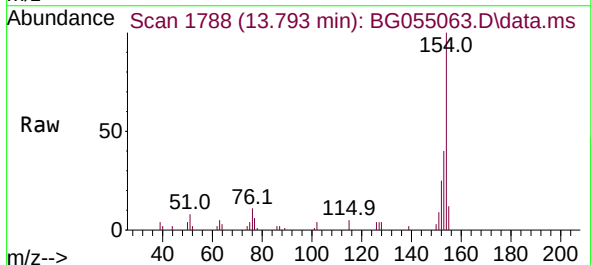


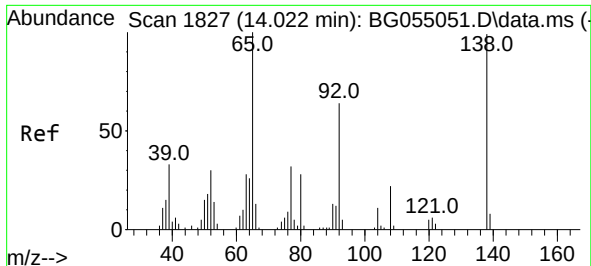
Tgt Ion:172 Resp: 157922
Ion Ratio Lower Upper
172 100
171 35.8 30.1 45.1
170 23.4 20.0 30.0



#46
1,1'-Biphenyl
Concen: 3.491 ng
RT: 13.793 min Scan# 1788
Delta R.T. 0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

Tgt Ion:154 Resp: 20069
Ion Ratio Lower Upper
154 100
153 39.8 22.0 62.0
76 11.1 0.0 33.3

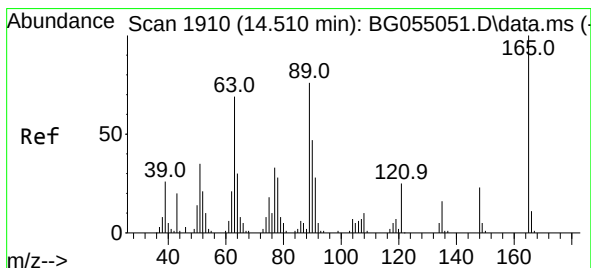
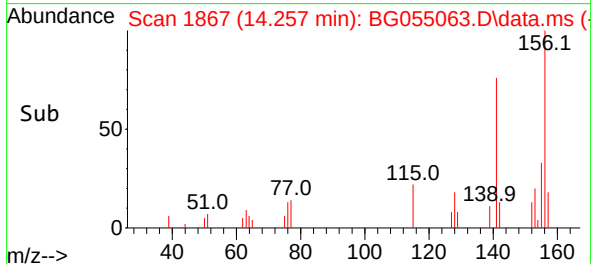
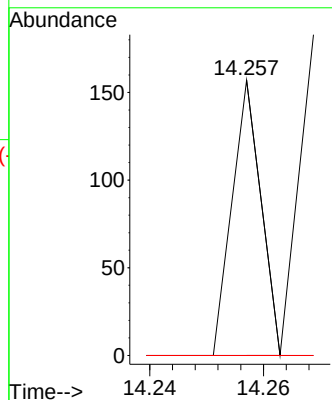
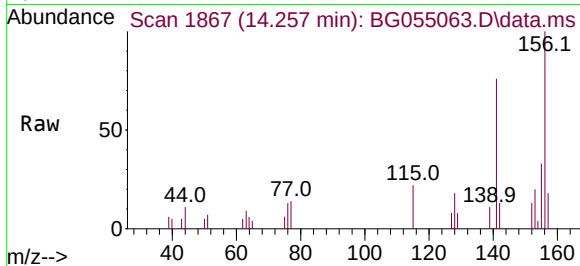




#48
2-Nitroaniline
Concen: 4.120 ng
RT: 14.257 min Scan# 1827
Delta R.T. 0.235 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

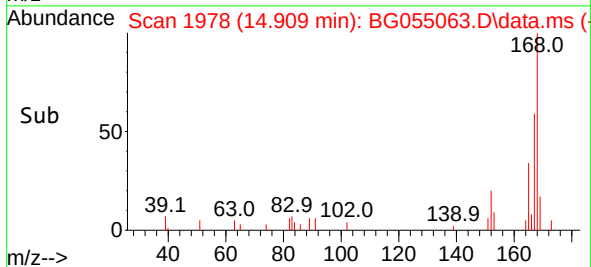
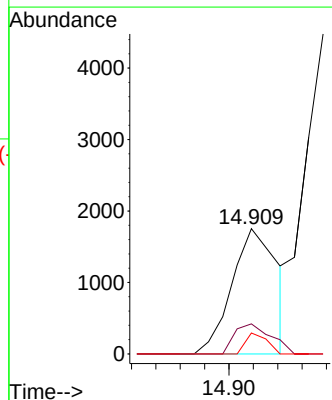
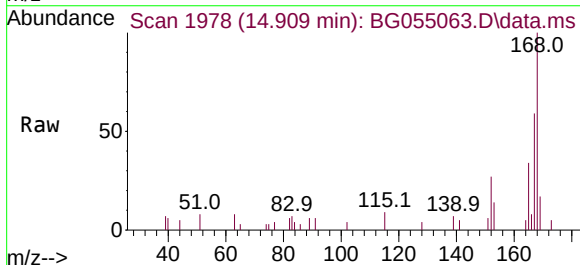
Instrument :
BNA_G
ClientSampleId :

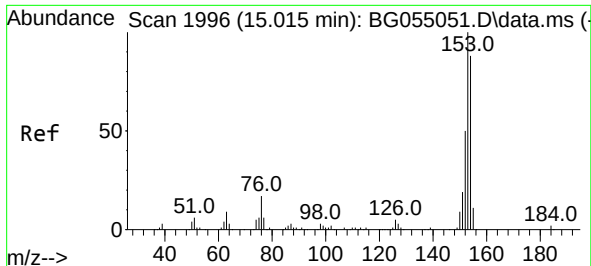
Tgt Ion: 65 Resp: 55
Ion Ratio Lower Upper
65 100
92 0.0 50.9 76.3#
138 0.0 79.5 119.3#



#51
2,6-Dinitrotoluene
Concen: 5.301 ng
RT: 14.909 min Scan# 1978
Delta R.T. 0.399 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

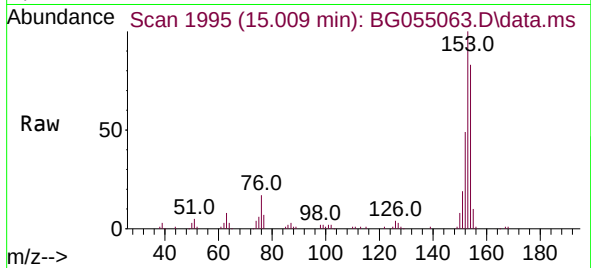
Tgt Ion:165 Resp: 2260
Ion Ratio Lower Upper
165 100
63 24.0 56.2 84.4#
89 16.7 60.4 90.6#



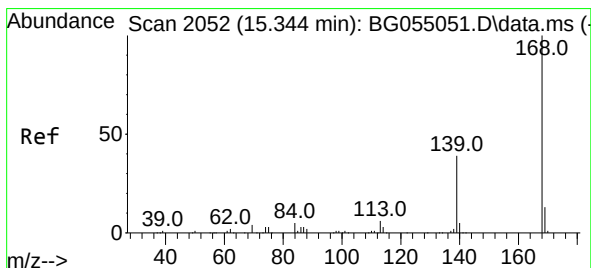
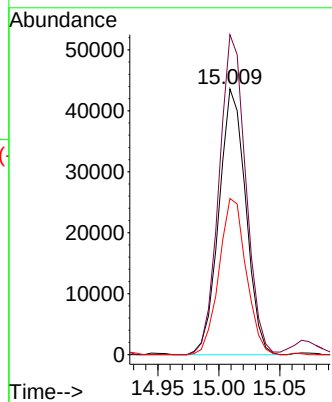
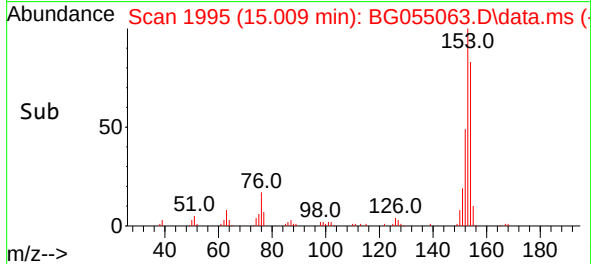


#52
Acenaphthene
Concen: 14.002 ng
RT: 15.009 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

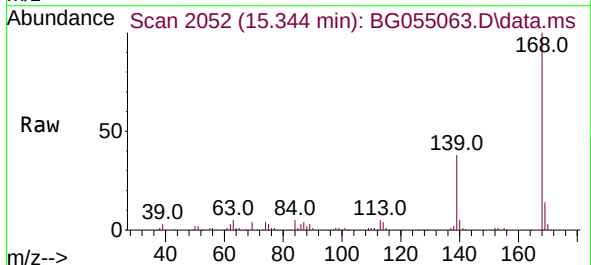
Instrument :
BNA_G
ClientSampleId :



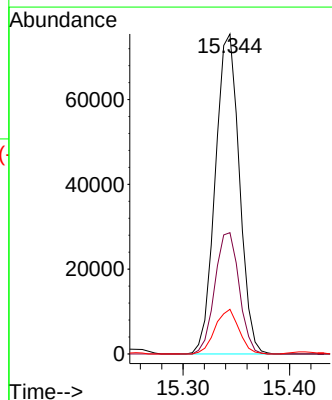
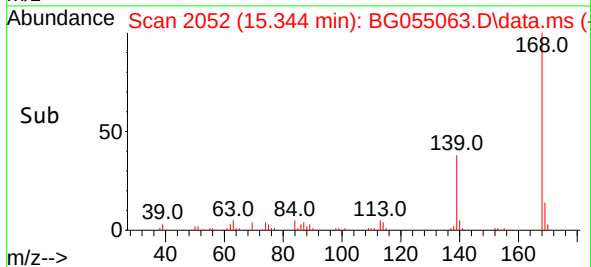
Tgt Ion:154 Resp: 66696
Ion Ratio Lower Upper
154 100
153 120.5 91.4 137.0
152 58.8 45.3 67.9

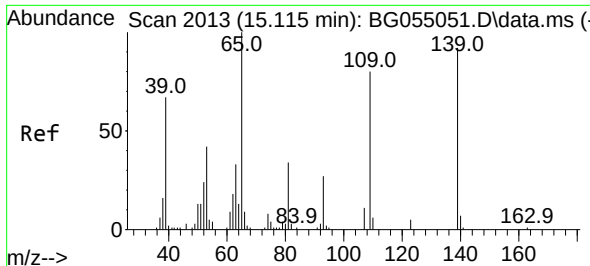


#55
Dibenzofuran
Concen: 15.594 ng
RT: 15.344 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48



Tgt Ion:168 Resp: 118506
Ion Ratio Lower Upper
168 100
139 37.9 31.0 46.4
169 13.9 10.6 16.0

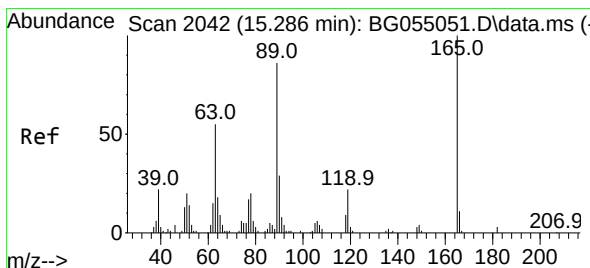
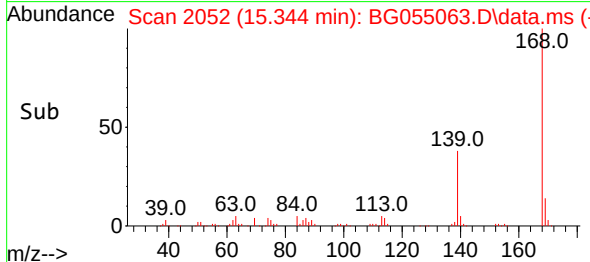
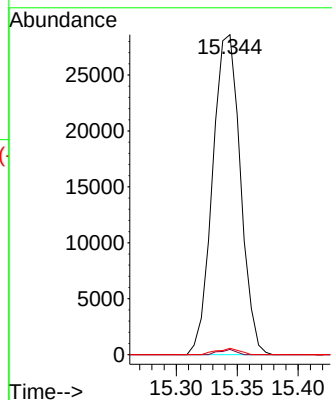
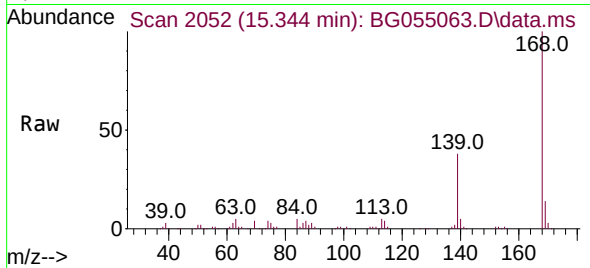




#56
4-Nitrophenol
Concen: 45.689 ng
RT: 15.344 min Scan# 2035
Delta R.T. 0.229 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

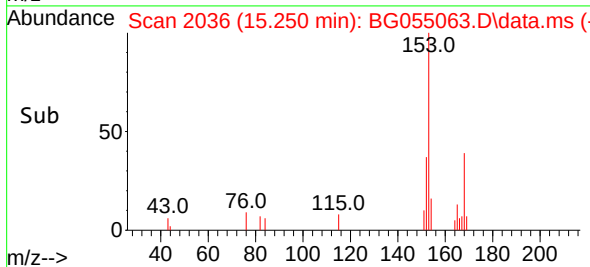
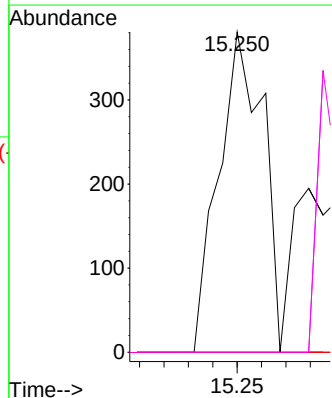
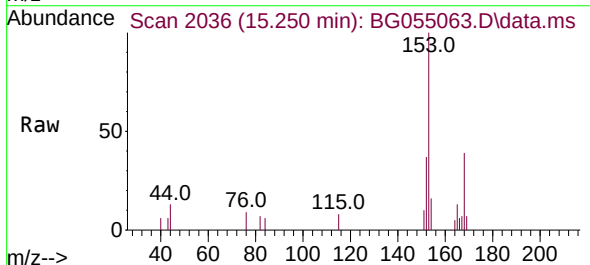
Instrument :
BNA_G
ClientSampleId :

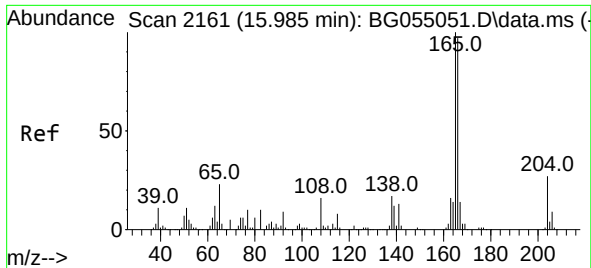
Tgt Ion:139 Resp: 45345
Ion Ratio Lower Upper
139 100
109 1.6 66.6 106.6#
65 2.0 88.5 128.5#



#57
2,4-Dinitrotoluene
Concen: 3.884 ng
RT: 15.250 min Scan# 2036
Delta R.T. -0.036 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

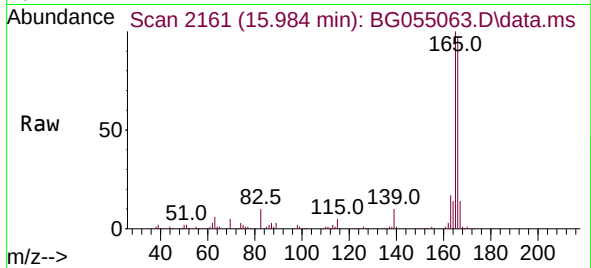
Tgt Ion:165 Resp: 482
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.2#
89 0.0 69.0 103.6#
182 0.0 2.2 3.4#



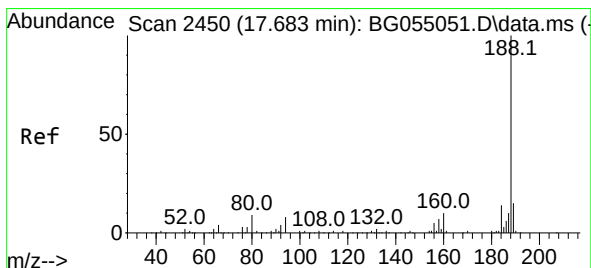
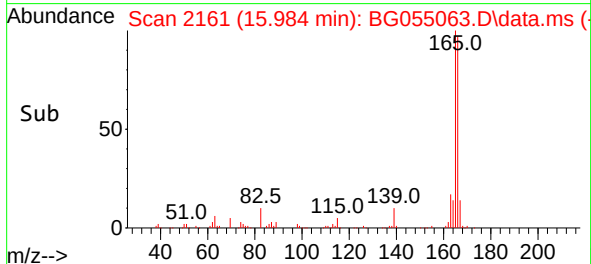
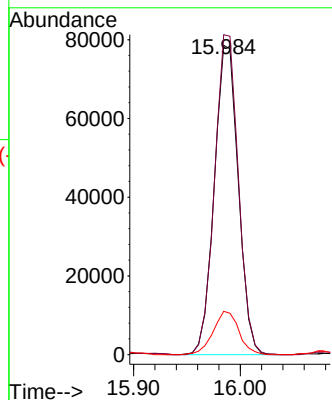


#58
Fluorene
Concen: 20.225 ng
RT: 15.984 min Scan# 2161
Delta R.T. -0.001 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

Instrument :
BNA_G
ClientSampleId :

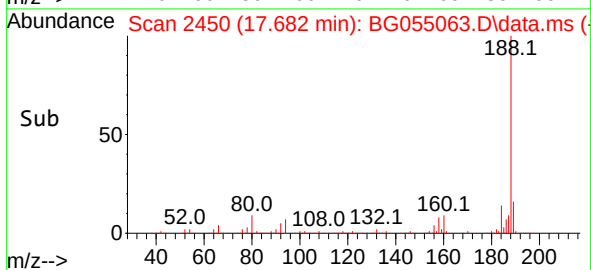
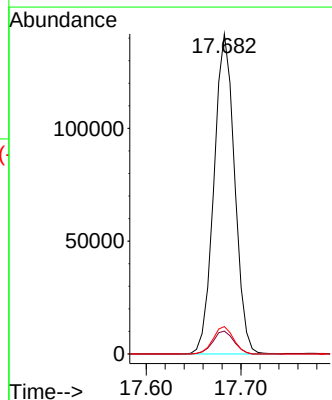
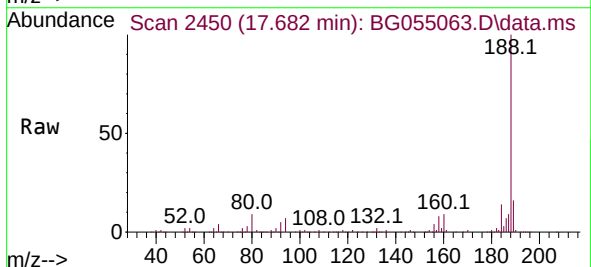


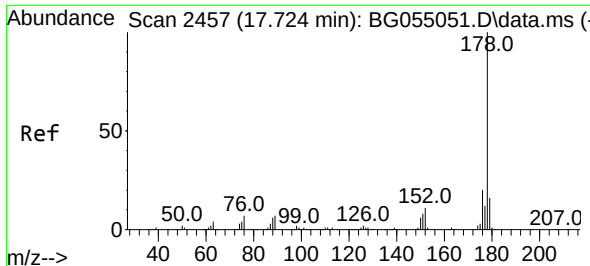
Tgt Ion:166 Resp: 122996
Ion Ratio Lower Upper
166 100
165 103.5 82.6 123.8
167 14.0 11.8 17.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.682 min Scan# 2450
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

Tgt Ion:188 Resp: 214430
Ion Ratio Lower Upper
188 100
94 7.1 6.2 9.2
80 8.5 7.2 10.8

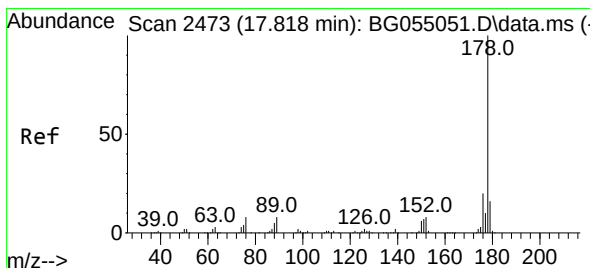
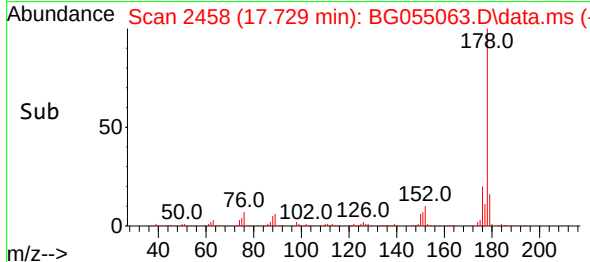
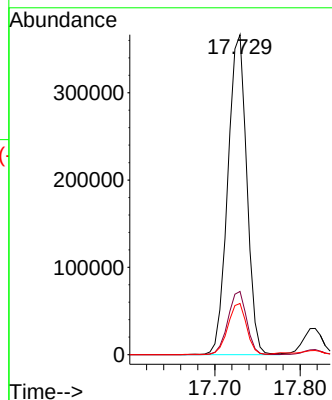
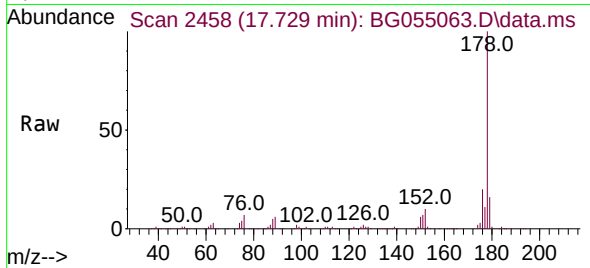




#71
Phenanthrene
Concen: 50.136 ng
RT: 17.729 min Scan# 2457
Delta R.T. 0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

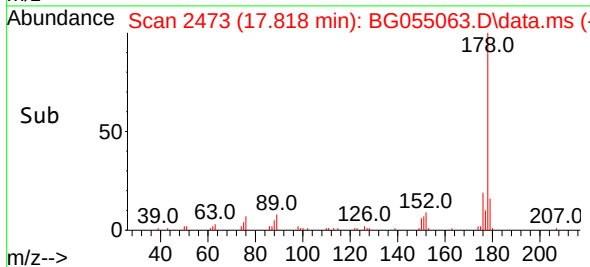
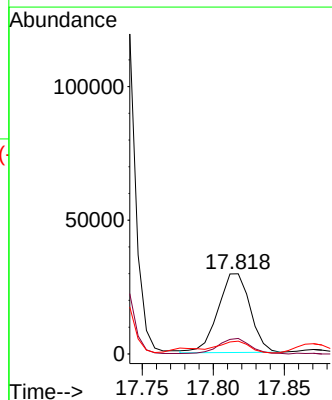
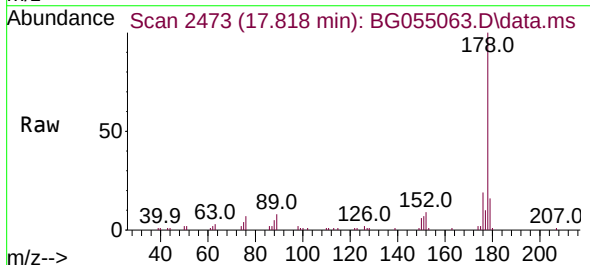
Instrument :
BNA_G
ClientSampleId :

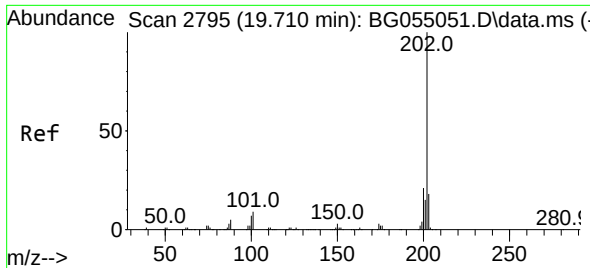
Tgt Ion:178 Resp: 564723
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 16.0 13.2 19.8



#72
Anthracene
Concen: 4.232 ng
RT: 17.818 min Scan# 2473
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

Tgt Ion:178 Resp: 46361
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.9 12.5 18.7

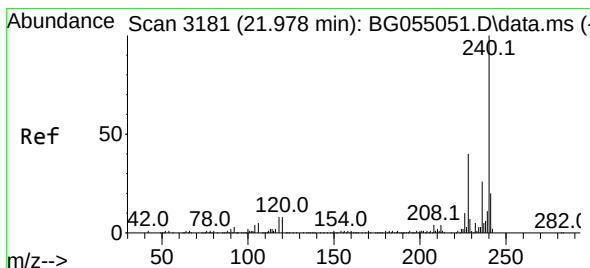
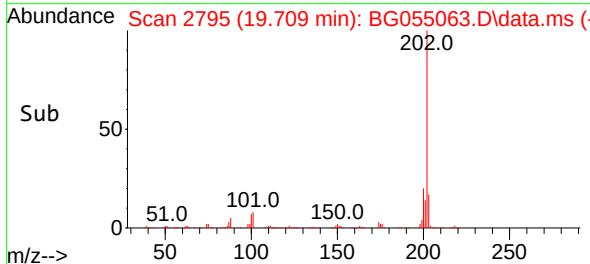
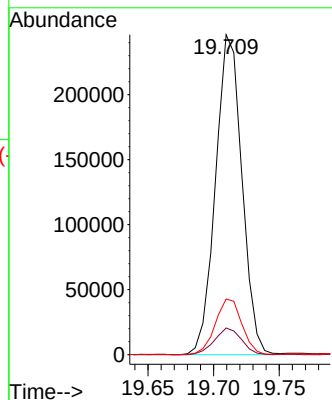
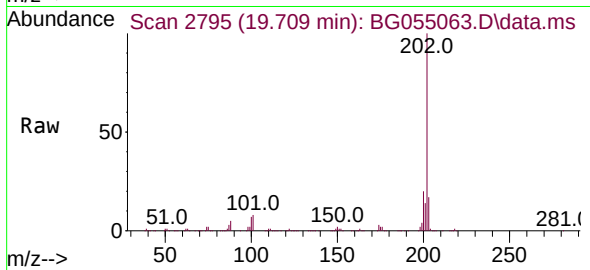




#75
Fluoranthene
Concen: 24.526 ng
RT: 19.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

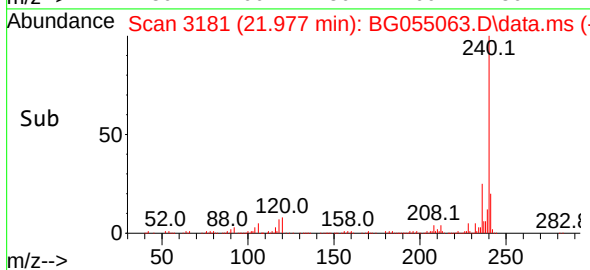
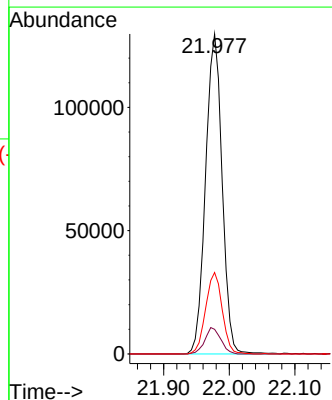
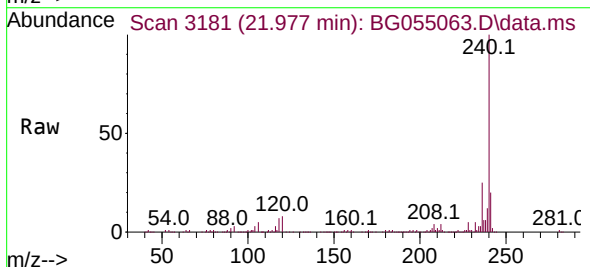
Instrument :
BNA_G
ClientSampleId :

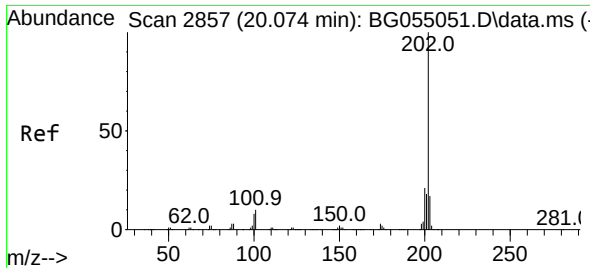
Tgt Ion:202 Resp: 344630
Ion Ratio Lower Upper
202 100
101 8.3 0.0 28.9
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.977 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

Tgt Ion:240 Resp: 226410
Ion Ratio Lower Upper
240 100
120 7.7 6.2 9.4
236 25.4 20.6 30.8

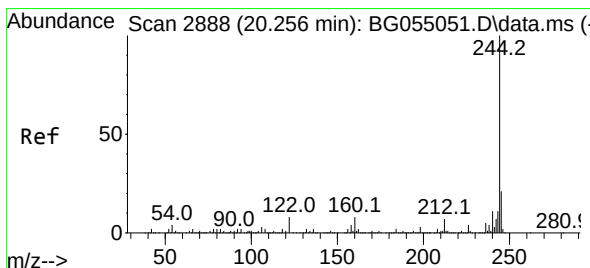
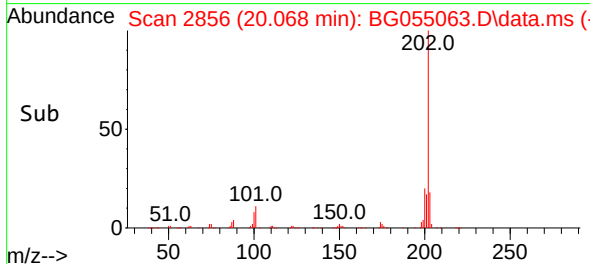
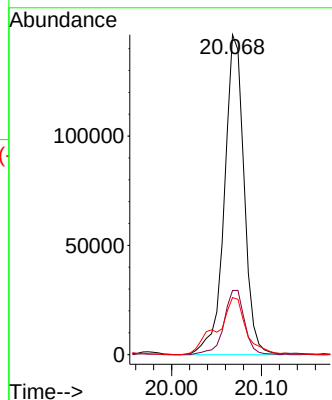
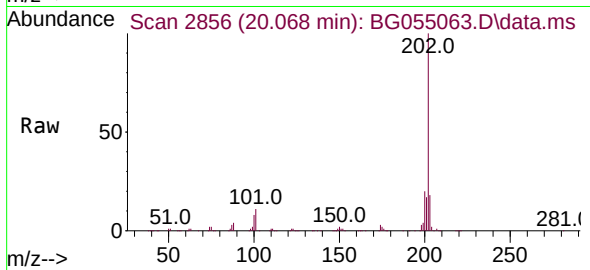




#78
 Pyrene
 Concen: 14.833 ng
 RT: 20.068 min Scan# 2856
 Delta R.T. -0.006 min
 Lab File: BG055063.D
 Acq: 4 Oct 2022 14:48

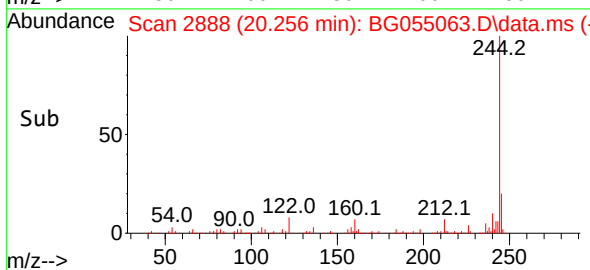
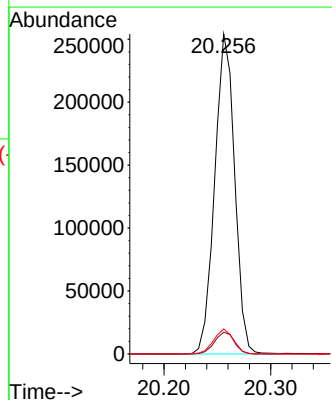
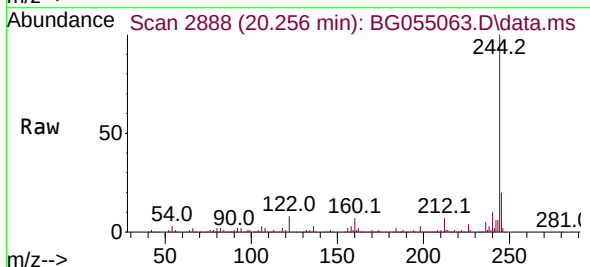
Instrument :
 BNA_G
 ClientSampleId :

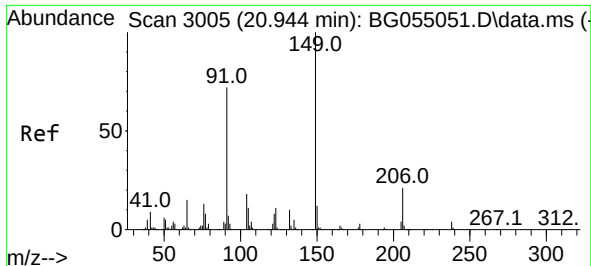
Tgt Ion:202 Resp: 223308
 Ion Ratio Lower Upper
 202 100
 200 20.0 16.6 25.0
 203 17.8 14.0 21.0



#79
 Terphenyl-d14
 Concen: 29.492 ng
 RT: 20.256 min Scan# 2888
 Delta R.T. -0.000 min
 Lab File: BG055063.D
 Acq: 4 Oct 2022 14:48

Tgt Ion:244 Resp: 330361
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 7.8 6.6 10.0

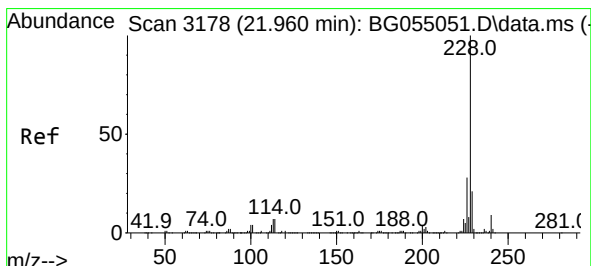
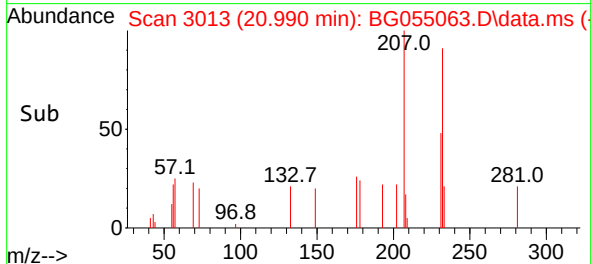
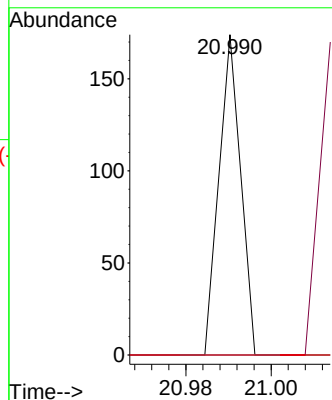
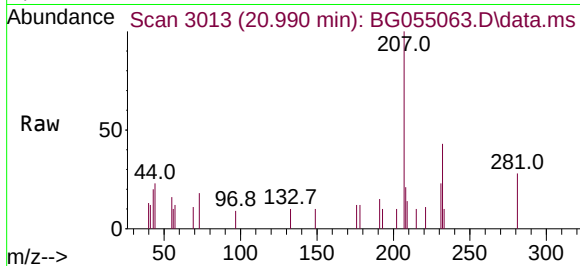




#80
Butylbenzylphthalate
Concen: 4.850 ng
RT: 20.990 min Scan# 3005
Delta R.T. 0.046 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

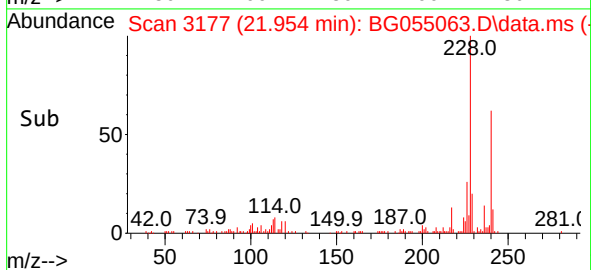
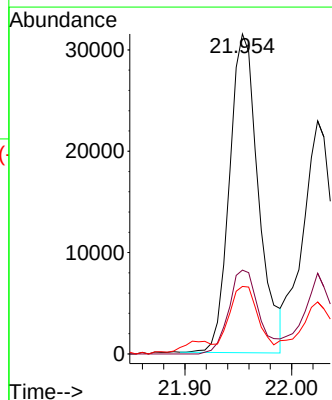
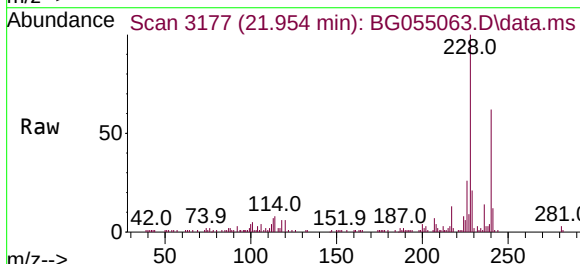
Instrument :
BNA_G
ClientSampleId :

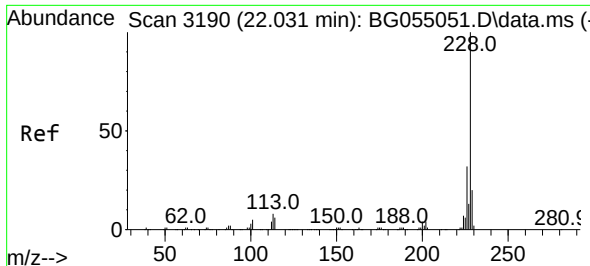
Tgt Ion:149 Resp: 61
Ion Ratio Lower Upper
149 100
91 0.0 57.8 86.8#
206 0.0 16.9 25.3#



#81
Benzo(a)anthracene
Concen: 4.129 ng
RT: 21.954 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

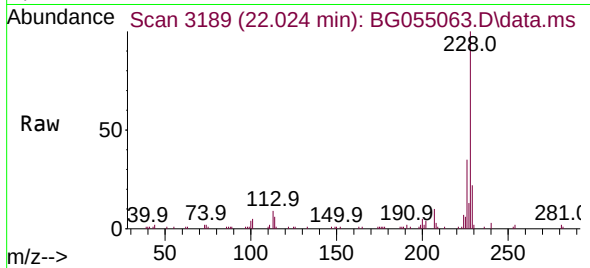
Tgt Ion:228 Resp: 59392
Ion Ratio Lower Upper
228 100
226 26.2 22.4 33.6
229 21.1 16.7 25.1



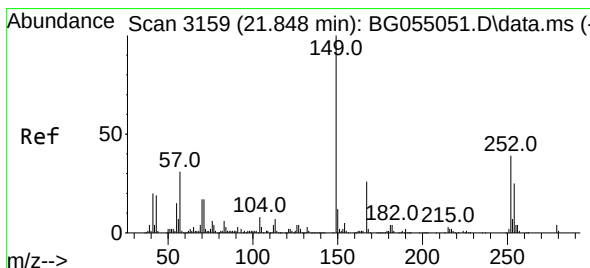
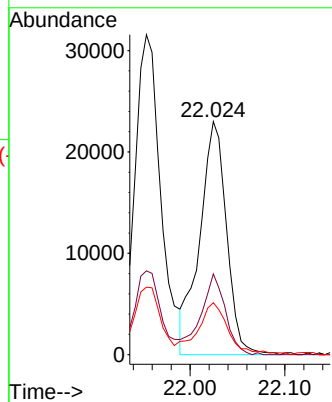
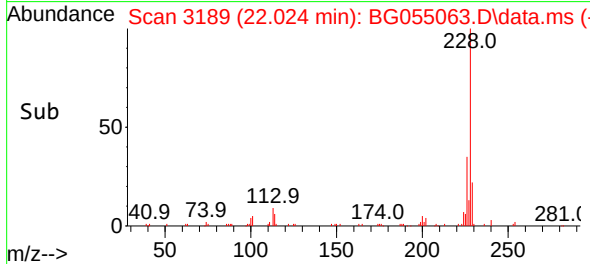


#83
Chrysene
Concen: 3.279 ng
RT: 22.024 min Scan# 3190
Delta R.T. -0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

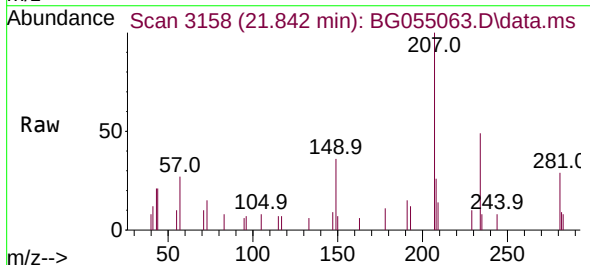
Instrument :
BNA_G
ClientSampleId :



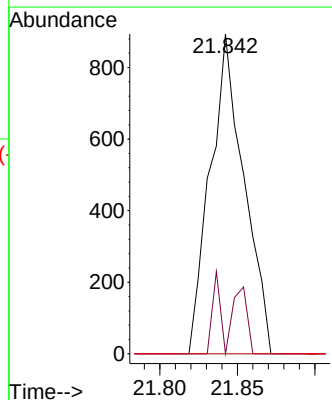
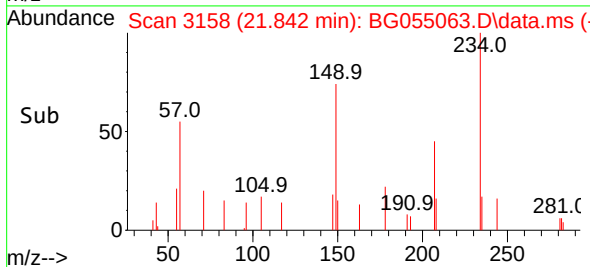
Tgt Ion:228 Resp: 45449
Ion Ratio Lower Upper
228 100
226 34.6 25.3 37.9
229 22.3 16.1 24.1

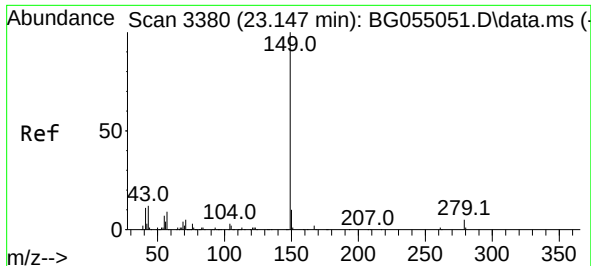


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.277 ng
RT: 21.842 min Scan# 3158
Delta R.T. -0.006 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48



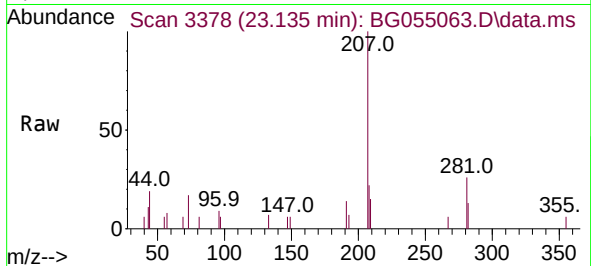
Tgt Ion:149 Resp: 1357
Ion Ratio Lower Upper
149 100
167 0.0 21.0 31.4#
279 0.0 3.4 5.2#



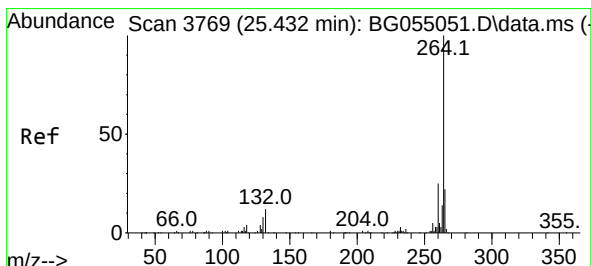
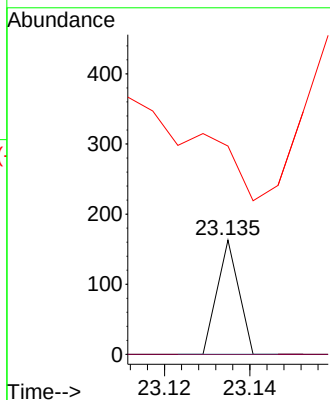
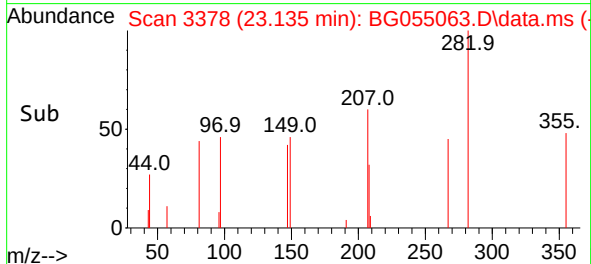


#85
Di-n-octyl phthalate
Concen: 4.345 ng
RT: 23.135 min Scan# 3380
Delta R.T. -0.012 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

Instrument :
BNA_G
ClientSampleId :

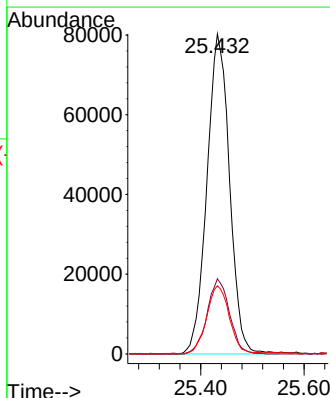
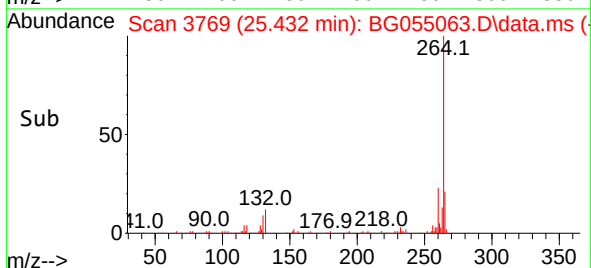
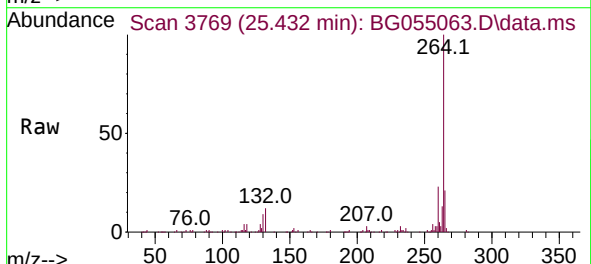


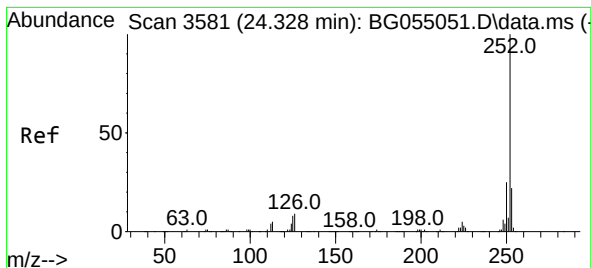
Tgt Ion:149 Resp: 57
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 10.2 15.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.432 min Scan# 3769
Delta R.T. -0.000 min
Lab File: BG055063.D
Acq: 4 Oct 2022 14:48

Tgt Ion:264 Resp: 243404
Ion Ratio Lower Upper
264 100
260 23.5 19.7 29.5
265 21.3 17.8 26.6





#88

Benzo(b)fluoranthene

Concen: 2.020 ng

RT: 24.333 min Scan# 3582

Delta R.T. 0.006 min

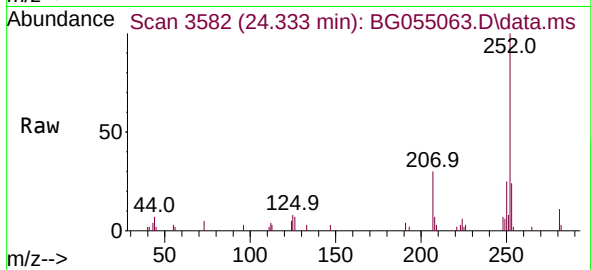
Lab File: BG055063.D

Acq: 4 Oct 2022 14:48

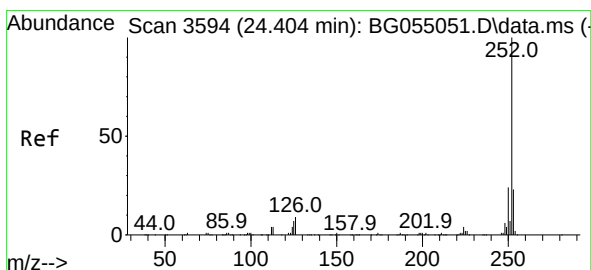
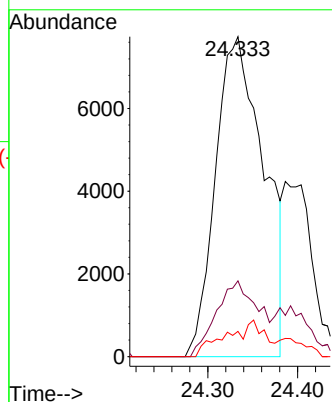
Instrument :

BNA_G

ClientSampleId :



Tgt Ion:	252	Resp:	28966
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.9	26.9
125	7.9	6.1	9.1



#89

Benzo(k)fluoranthene

Concen: 2.005 ng

RT: 24.333 min Scan# 3582

Delta R.T. -0.071 min

Lab File: BG055063.D

Acq: 4 Oct 2022 14:48

Tgt Ion:	252	Resp:	28966
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.9	26.9
125	7.9	5.8	8.6

