

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051322\
 Data File : BG053547.D
 Acq On : 13 May 2022 17:47
 Operator : CG/JU
 Sample : N2823-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SC-8

Quant Time: May 14 03:14:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 11 06:00:46 2022
 Response via : Initial Calibration

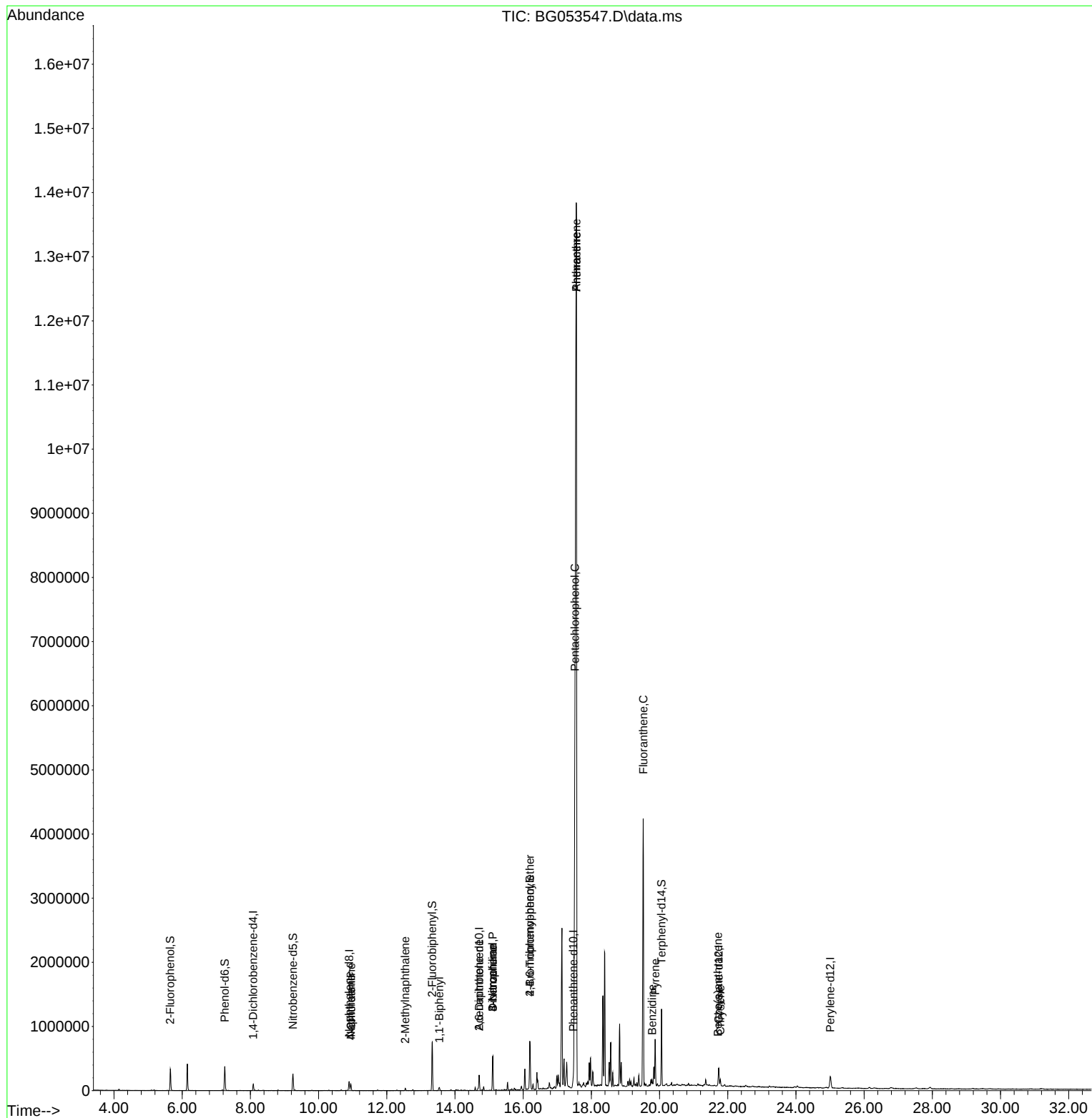
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.083	152	27205	20.000	ng	0.00
21) Naphthalene-d8	10.897	136	116461	20.000	ng	0.00
39) Acenaphthene-d10	14.710	164	87776	20.000	ng	0.00
64) Phenanthrene-d10	17.471	188	172749	20.000	ng	0.01
76) Chrysene-d12	21.736	240	173600	20.000	ng	0.00
86) Perylene-d12	25.008	264	180241	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.651	112	136947	85.432	ng	0.00
7) Phenol-d6	7.249	99	213313	87.682	ng	0.00
23) Nitrobenzene-d5	9.247	82	172989	63.230	ng	0.00
42) 2,4,6-Tribromophenol	16.196	330	80755	62.379	ng	0.00
45) 2-Fluorobiphenyl	13.335	172	411021	68.426	ng	0.00
79) Terphenyl-d14	20.055	244	591844	63.496	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.944	128	74650	12.601	ng	97
33) 4-Chloroaniline	10.950	127	9855	3.972	ng	# 49
37) 2-Methylnaphthalene	12.542	142	17976	4.066	ng	97
46) 1,1'-Biphenyl	13.541	154	21559	3.603	ng	96
51) 2,6-Dinitrotoluene	14.710	165	14873	10.945	ng	# 17
53) 3-Nitroaniline	15.109	138	5843	3.979	ng	# 2
55) Dibenzofuran	15.109	168	359259	44.867	ng	98
56) 4-Nitrophenol	15.109	139	140125	133.613	ng	# 1
67) 4-Bromophenyl-phenylether	16.196	248	4899	2.428	ng	# 1
70) Pentachlorophenol	17.518	266	53	4.692	ng	# 16
71) Phenanthrene	17.559	178	10878394	1238.441	ng	# 37
72) Anthracene	17.559	178	10878394	1259.966	ng	# 42
75) Fluoranthene	19.521	202	2829987	248.821	ng	92
77) Benzidine	19.779	184	25402	6.789	ng	# 95
78) Pyrene	19.873	202	494942	44.042	ng	99
81) Benzo(a)anthracene	21.712	228	26113	2.358	ng	96
83) Chrysene	21.783	228	70642	6.831	ng	99

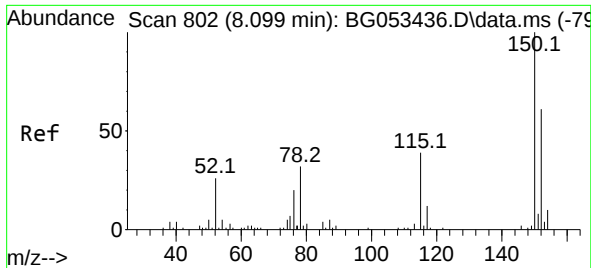
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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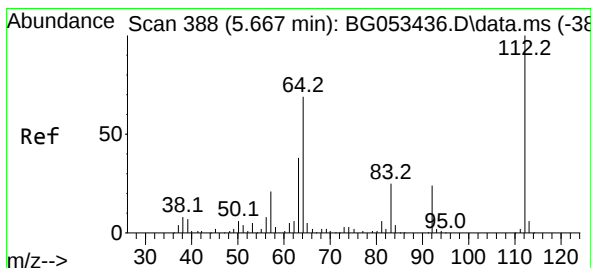
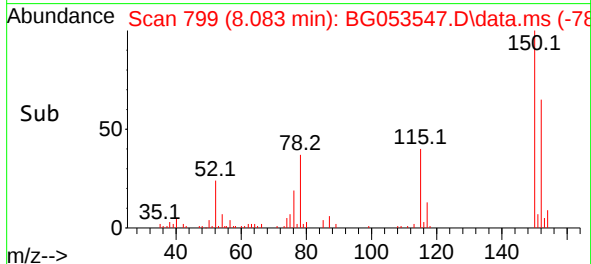
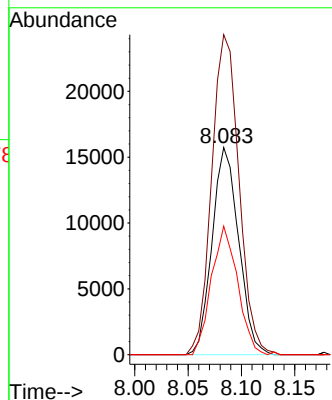
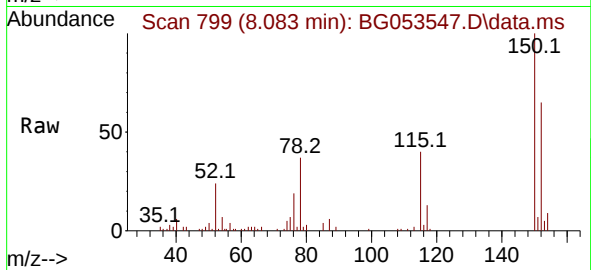




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.083 min Scan# 79
Delta R.T. -0.006 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

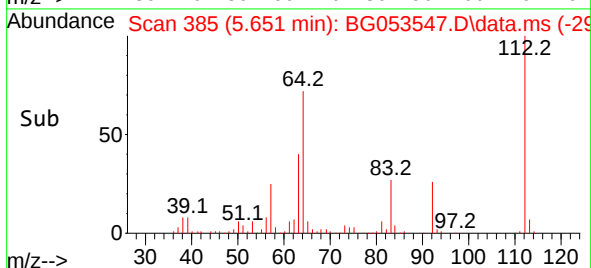
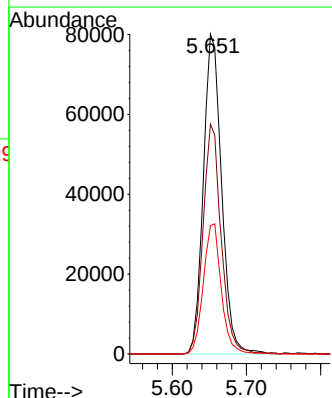
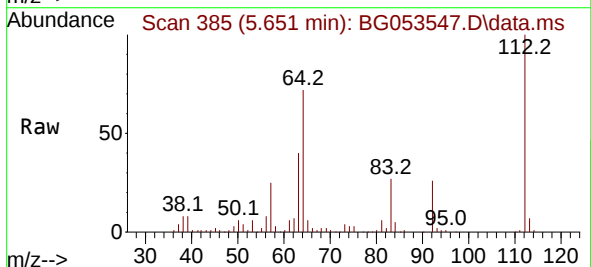
Instrument :
BNA_G
ClientSampleId :
SC-8

Tgt Ion:152 Resp: 27205
Ion Ratio Lower Upper
152 100
150 154.4 131.6 197.4
115 62.0 50.9 76.3



#5
2-Fluorophenol
Concen: 85.432 ng
RT: 5.651 min Scan# 385
Delta R.T. -0.000 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

Tgt Ion:112 Resp: 136947
Ion Ratio Lower Upper
112 100
64 71.9 55.1 82.7
63 40.0 30.4 45.6

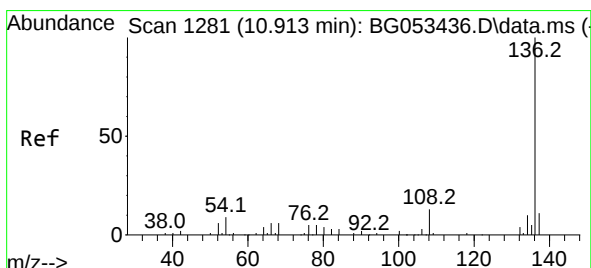
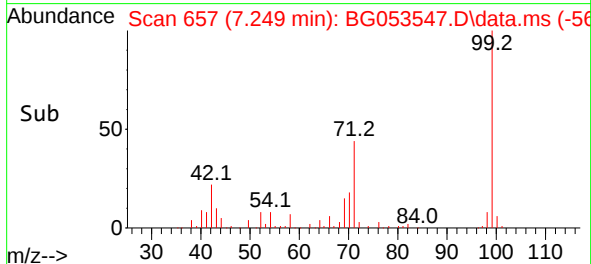
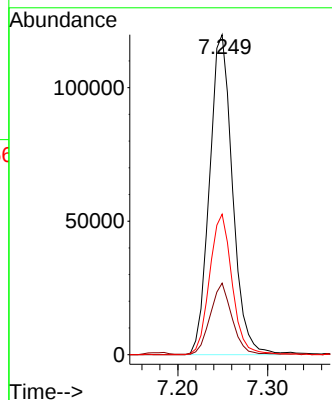
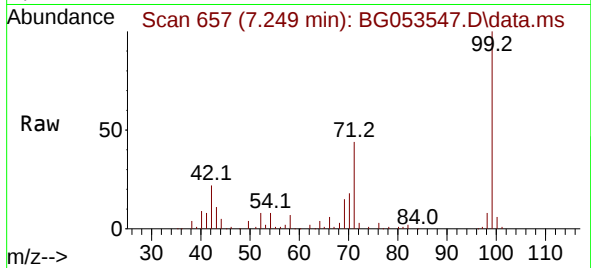




#7
Phenol-d6
Concen: 87.682 ng
RT: 7.249 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

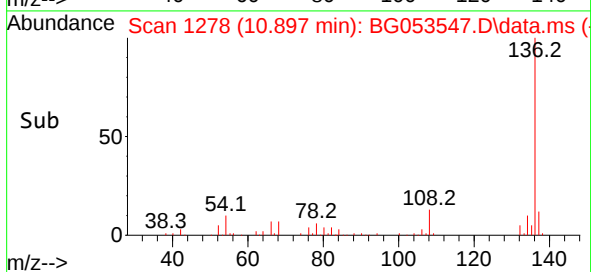
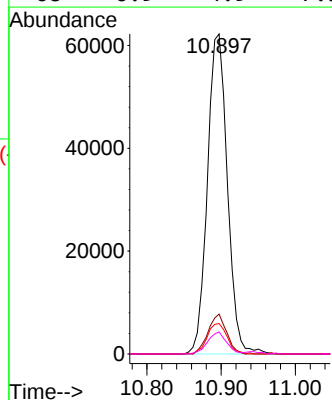
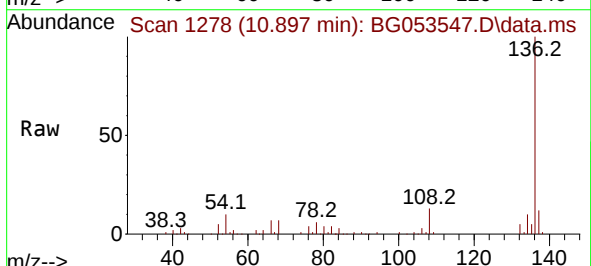
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ClientSampleId :
SC-8

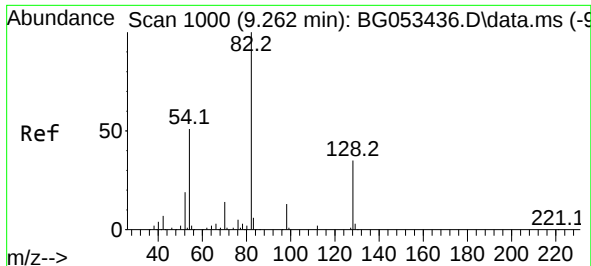
Tgt Ion: 99 Resp: 213313
Ion Ratio Lower Upper
99 100
42 22.3 17.0 25.6
71 43.9 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.897 min Scan# 1278
Delta R.T. -0.000 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

Tgt Ion: 136 Resp: 116461
Ion Ratio Lower Upper
136 100
137 12.5 8.5 12.7
54 9.5 7.4 11.2
68 6.9 4.9 7.3

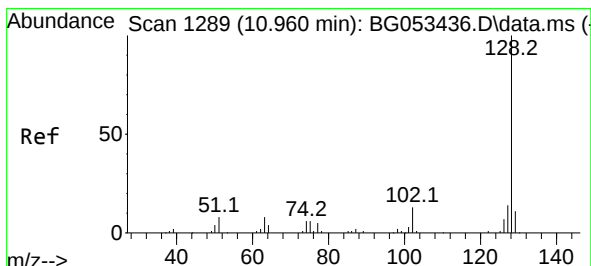
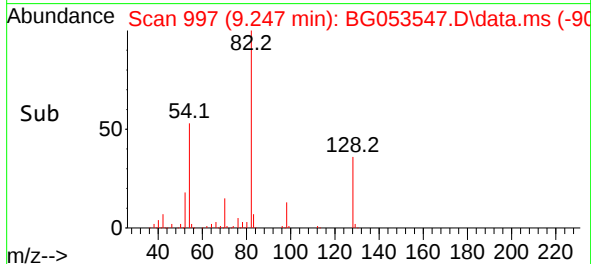
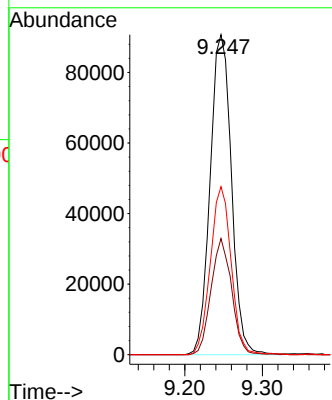
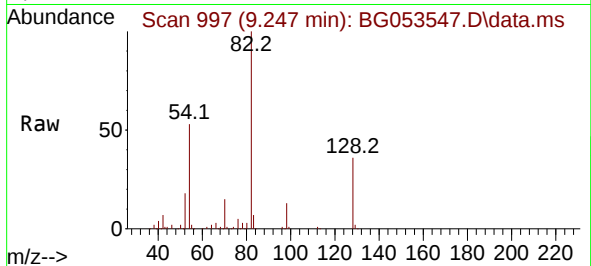




#23
Nitrobenzene-d5
Concen: 63.230 ng
RT: 9.247 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

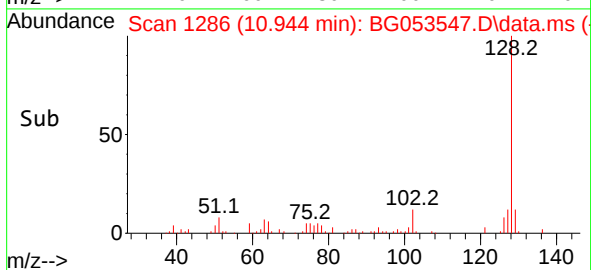
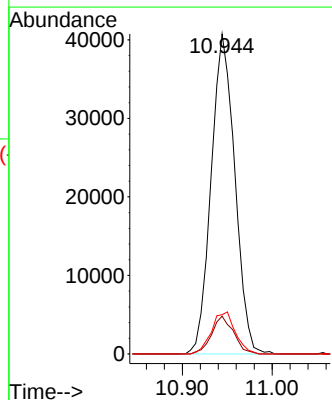
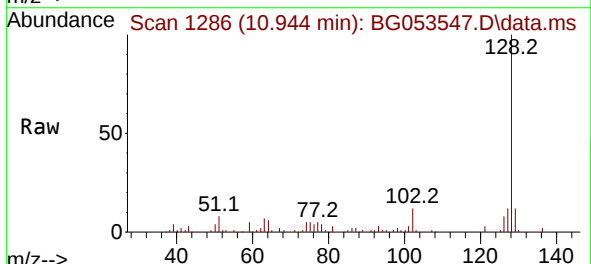
Instrument :
BNA_G
ClientSampleId :
SC-8

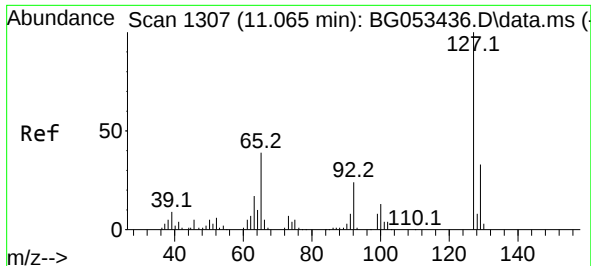
Tgt Ion: 82 Resp: 172989
Ion Ratio Lower Upper
82 100
128 36.3 27.9 41.9
54 52.5 41.2 61.8



#31
Naphthalene
Concen: 12.601 ng
RT: 10.944 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

Tgt Ion: 128 Resp: 74650
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.6
127 12.3 11.1 16.7

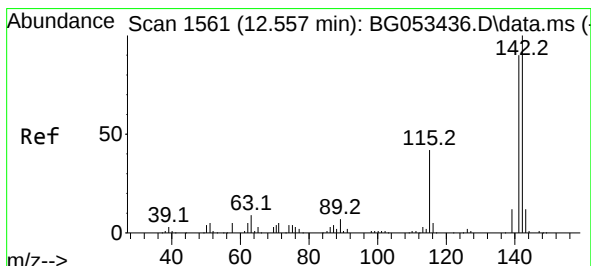
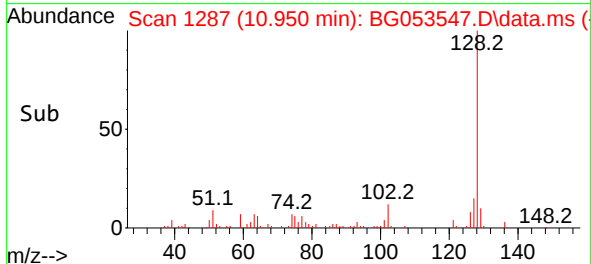
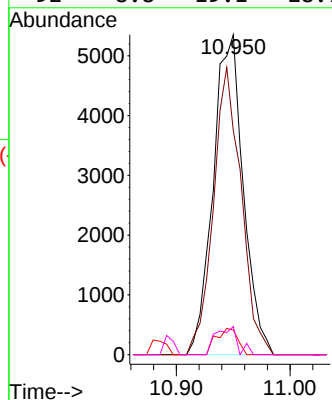
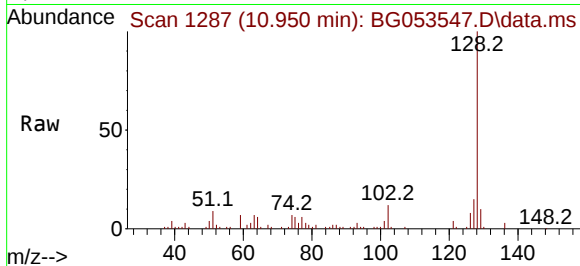




#33
4-Chloroaniline
Concen: 3.972 ng
RT: 10.950 min Scan# 11
Delta R.T. -0.106 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

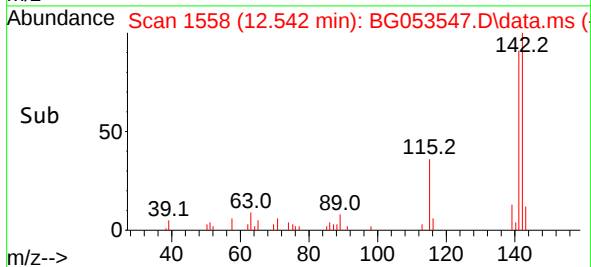
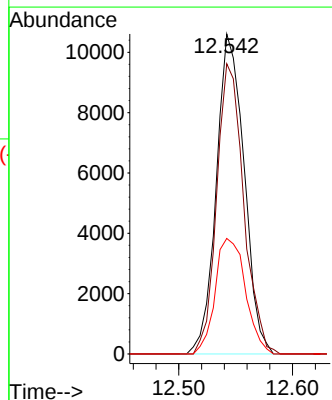
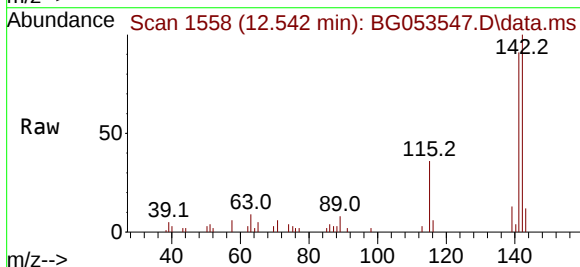
Instrument :
BNA_G
ClientSampleId :
SC-8

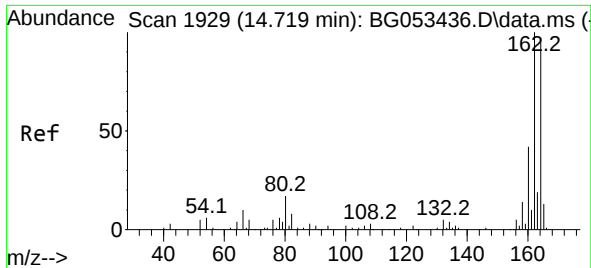
Tgt Ion:	127	Resp:	9855
Ion	Ratio	Lower	Upper
127	100		
129	70.0	26.3	39.5#
65	7.7	31.1	46.7#
92	8.8	19.1	28.7#



#37
2-Methylnaphthalene
Concen: 4.066 ng
RT: 12.542 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

Tgt Ion:	142	Resp:	17976
Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.3	108.5
115	36.1	33.7	50.5

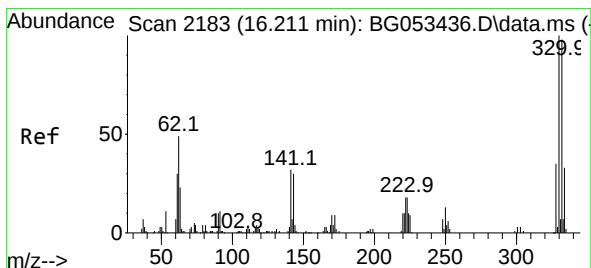
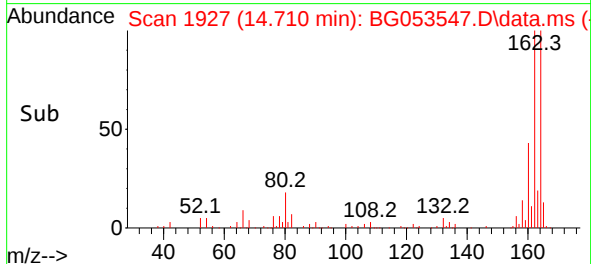
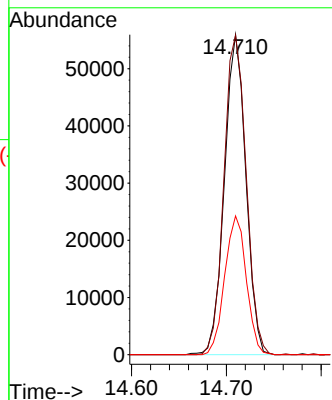
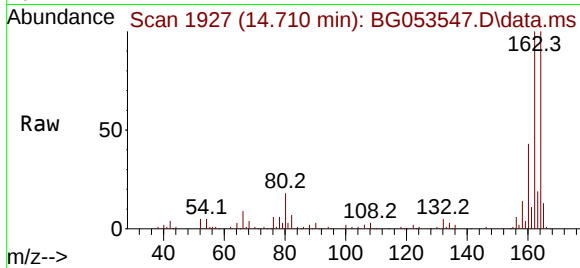




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.710 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

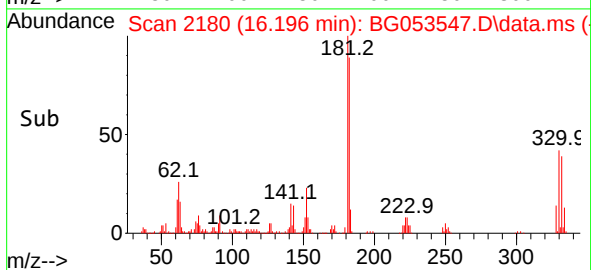
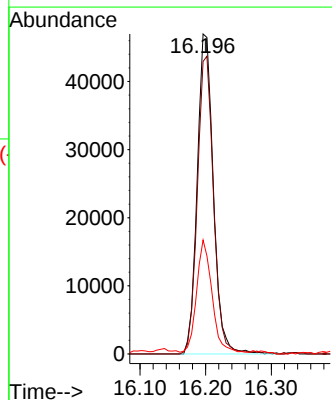
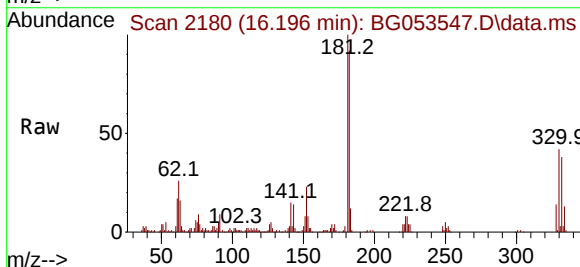
Instrument :
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ClientSampleId :
SC-8

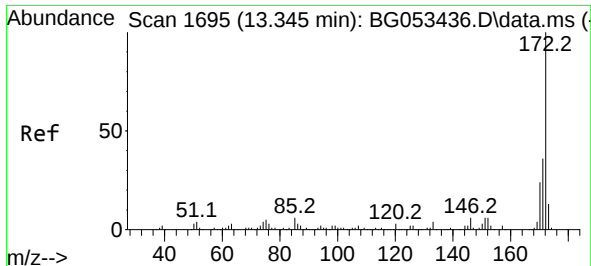
Tgt Ion:164 Resp: 87776
Ion Ratio Lower Upper
164 100
162 99.8 82.3 123.5
160 43.4 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 62.379 ng
RT: 16.196 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

Tgt Ion:330 Resp: 80755
Ion Ratio Lower Upper
330 100
332 92.8 76.0 114.0
141 34.7 27.1 40.7

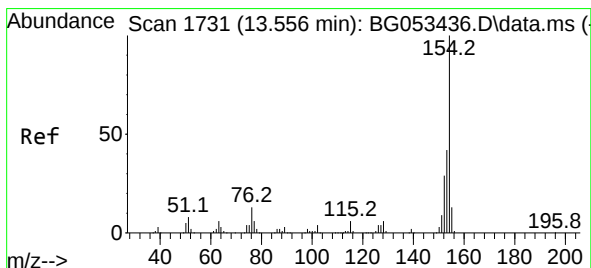
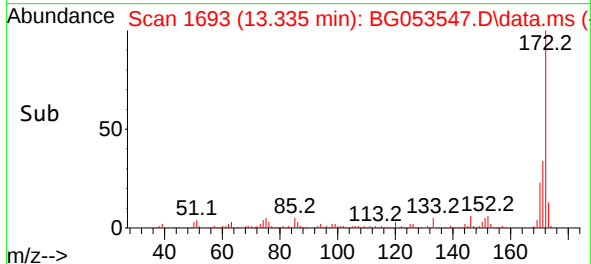
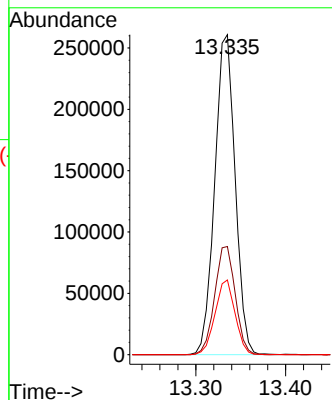
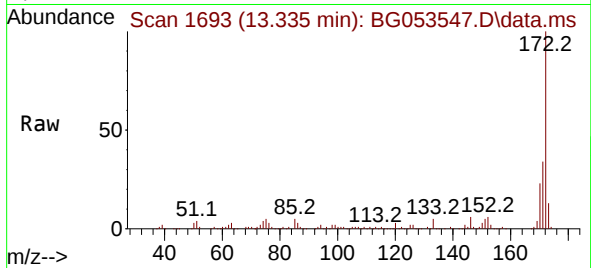




#45
2-Fluorobiphenyl
Concen: 68.426 ng
RT: 13.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

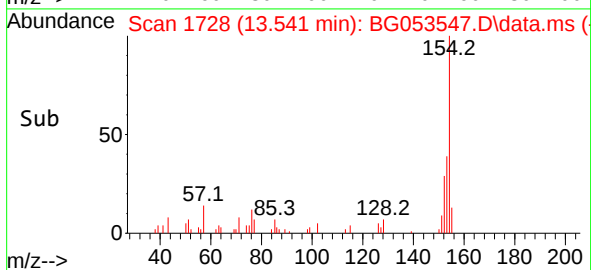
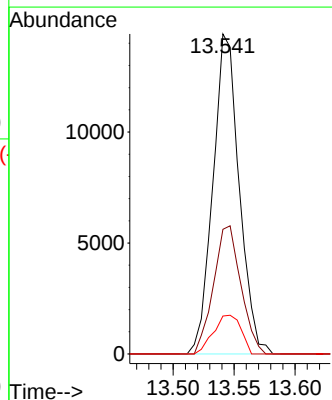
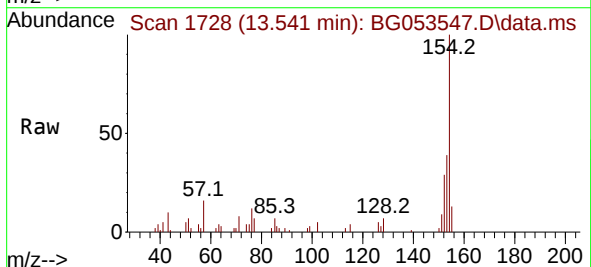
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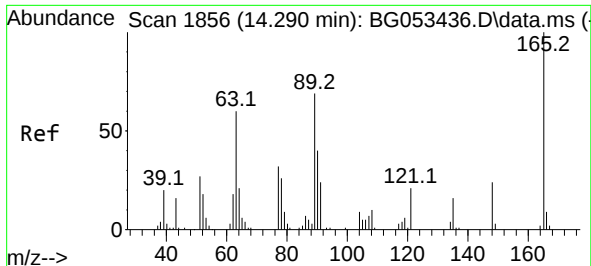
Tgt Ion:172 Resp: 411021
Ion Ratio Lower Upper
172 100
171 33.8 28.5 42.7
170 23.4 18.9 28.3



#46
1,1'-Biphenyl
Concen: 3.603 ng
RT: 13.541 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

Tgt Ion:154 Resp: 21559
Ion Ratio Lower Upper
154 100
153 39.0 21.6 61.6
76 11.9 0.0 32.6

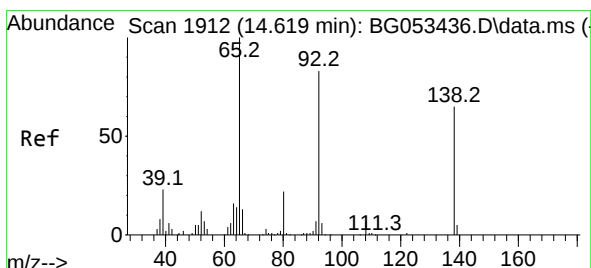
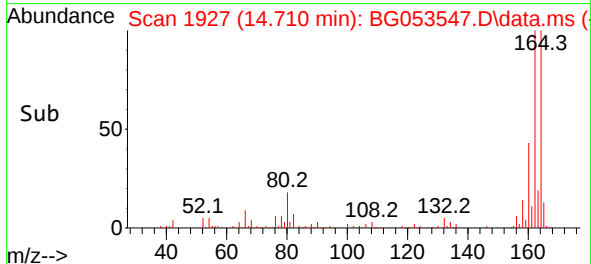
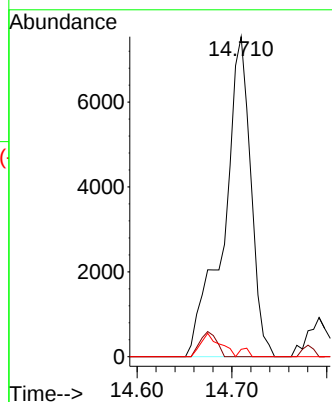
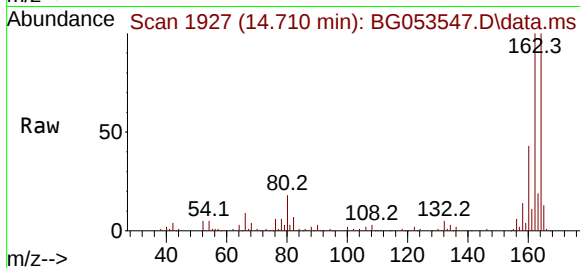




#51
2,6-Dinitrotoluene
Concen: 10.945 ng
RT: 14.710 min Scan# 14873
Delta R.T. 0.429 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

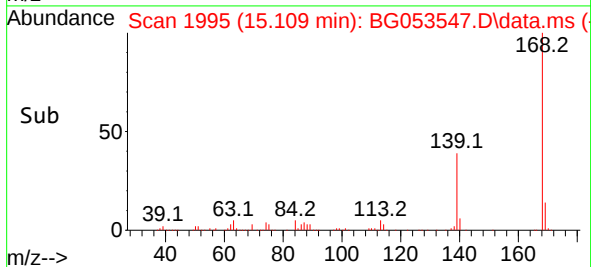
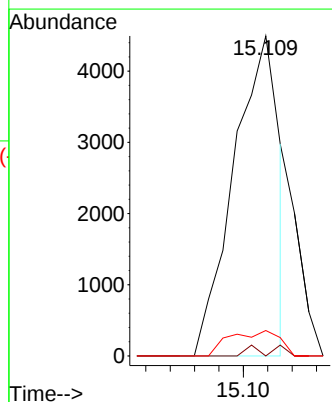
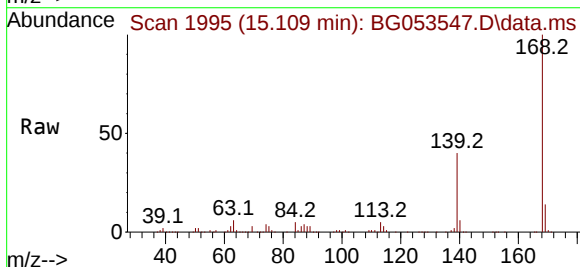
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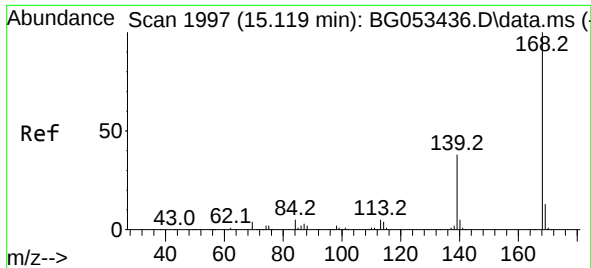
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Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 2.3 54.8 82.2#



#53
3-Nitroaniline
Concen: 3.979 ng
RT: 15.109 min Scan# 1995
Delta R.T. 0.493 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

Tgt Ion:138 Resp: 5843
Ion Ratio Lower Upper
138 100
108 0.0 9.2 13.8#
92 7.9 101.9 152.9#

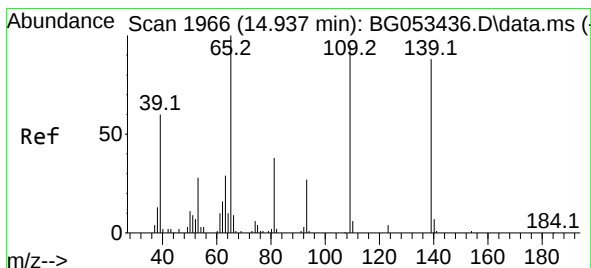
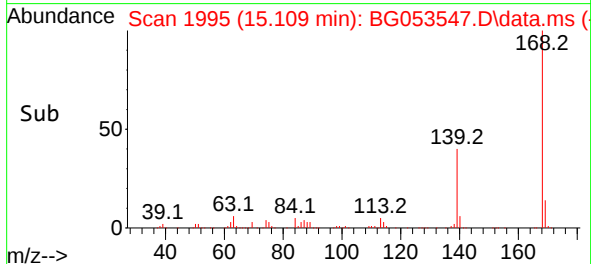
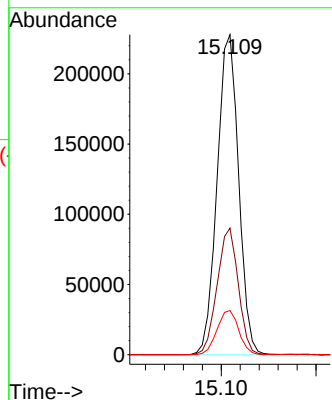
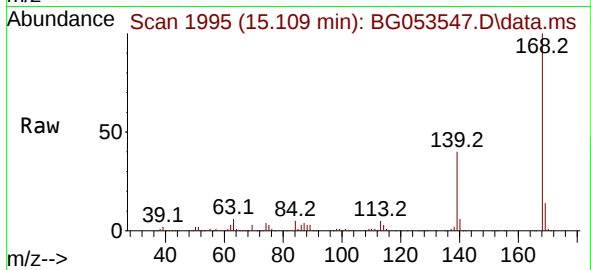




#55
Dibenzofuran
Concen: 44.867 ng
RT: 15.109 min Scan# 1995
Delta R.T. -0.000 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

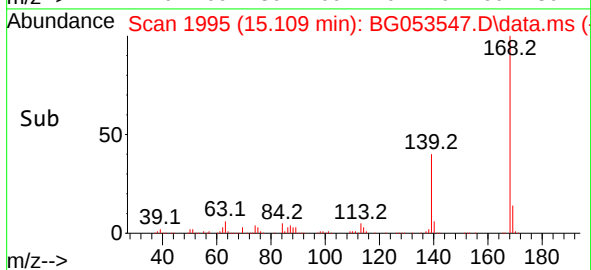
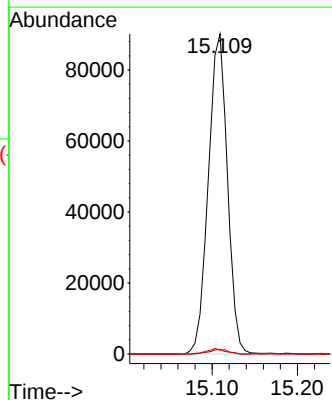
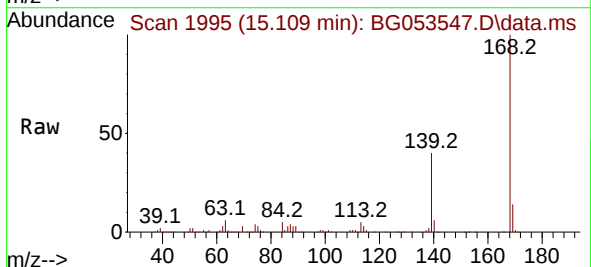
Instrument :
BNA_G
ClientSampleId :
SC-8

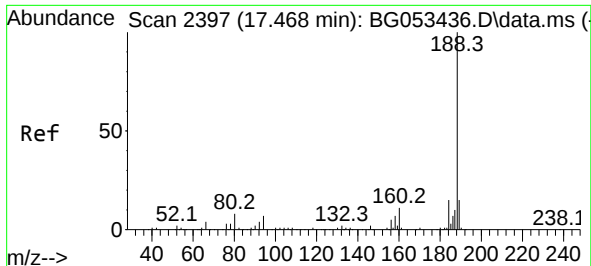
Tgt Ion:168 Resp: 359259
Ion Ratio Lower Upper
168 100
139 39.6 30.5 45.7
169 13.8 10.3 15.5



#56
4-Nitrophenol
Concen: 133.613 ng
RT: 15.109 min Scan# 1995
Delta R.T. 0.176 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

Tgt Ion:139 Resp: 140125
Ion Ratio Lower Upper
139 100
109 1.5 88.5 128.5#
65 1.2 93.9 133.9#

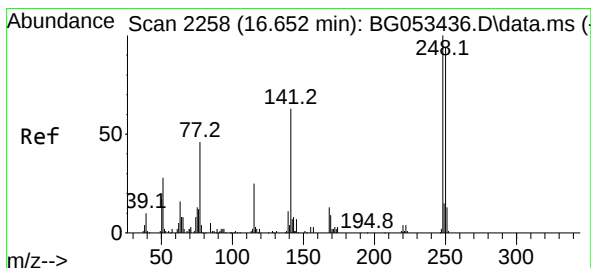
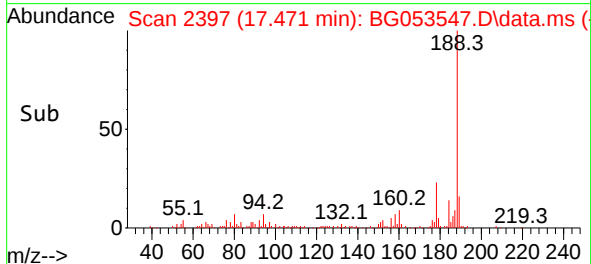
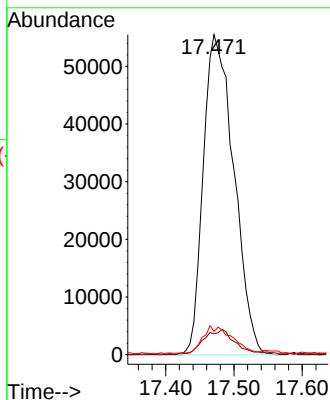
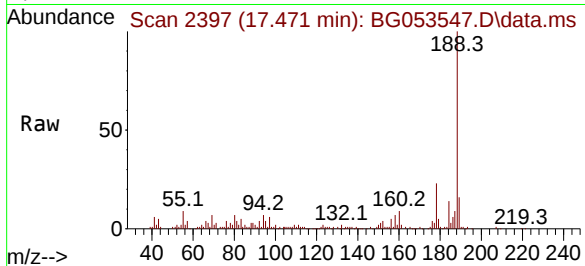




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.471 min Scan# 21
Delta R.T. 0.012 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

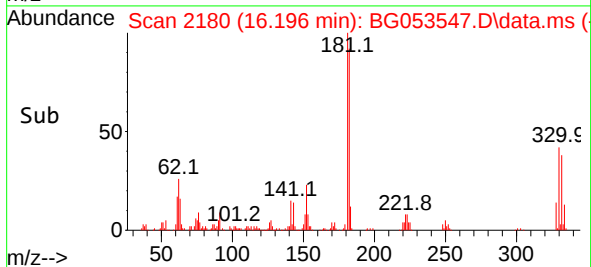
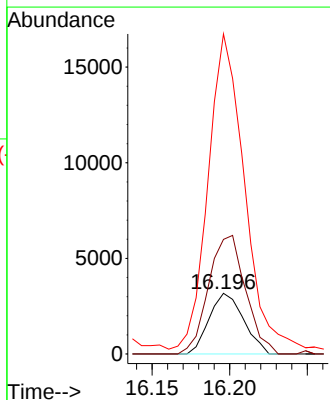
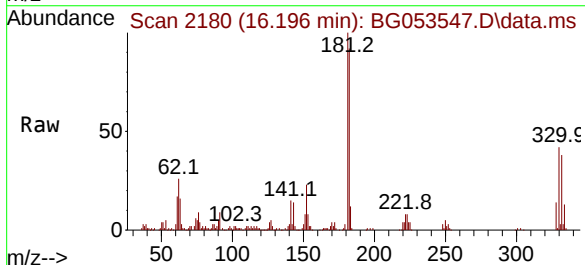
Instrument :
BNA_G
ClientSampleId :
SC-8

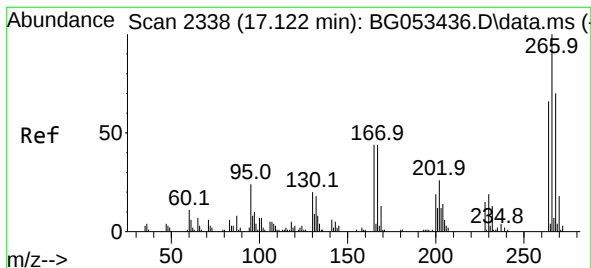
Tgt Ion:188 Resp: 172749
Ion Ratio Lower Upper
188 100
94 6.5 5.4 8.0
80 7.3 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 2.428 ng
RT: 16.196 min Scan# 2180
Delta R.T. -0.447 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

Tgt Ion:248 Resp: 4899
Ion Ratio Lower Upper
248 100
250 189.0 75.2 112.8#
141 528.1 50.0 75.0#





#70

Pentachlorophenol

Concen: 4.692 ng

RT: 17.518 min Scan# 2412

Delta R.T. 0.399 min

Lab File: BG053547.D

Acq: 13 May 2022 17:47

Instrument :

BNA_G

ClientSampleId :

SC-8

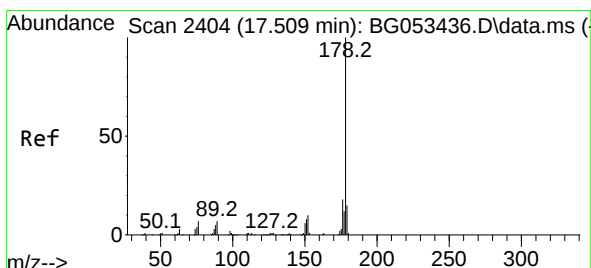
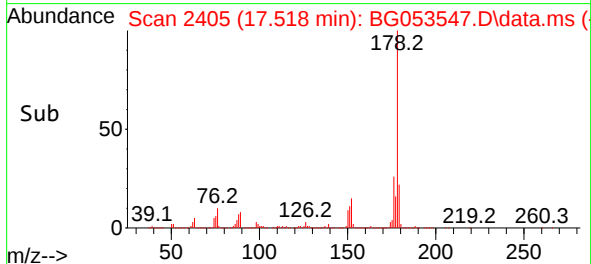
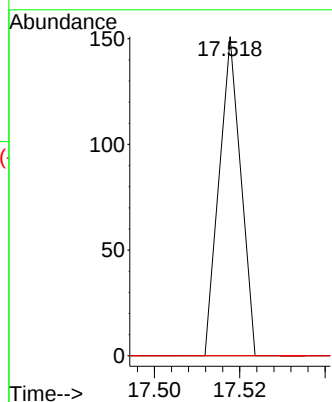
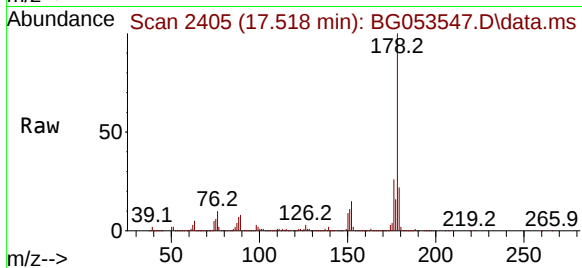
Tgt Ion:266 Resp: 53

Ion Ratio Lower Upper

266 100

268 0.0 56.2 84.2#

264 0.0 53.0 79.4#



#71

Phenanthrene

Concen: 1238.441 ng

RT: 17.559 min Scan# 2412

Delta R.T. 0.059 min

Lab File: BG053547.D

Acq: 13 May 2022 17:47

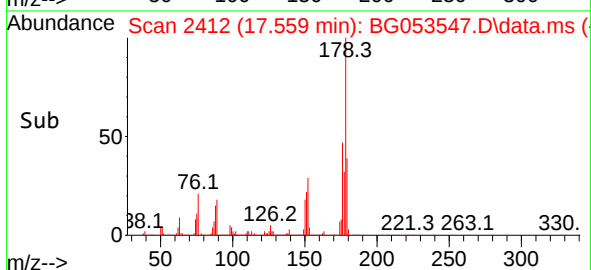
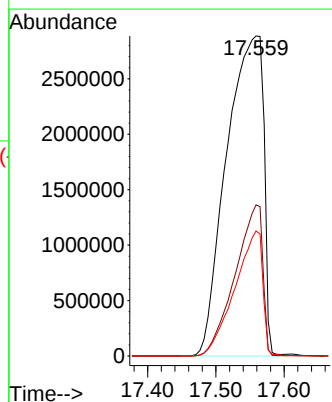
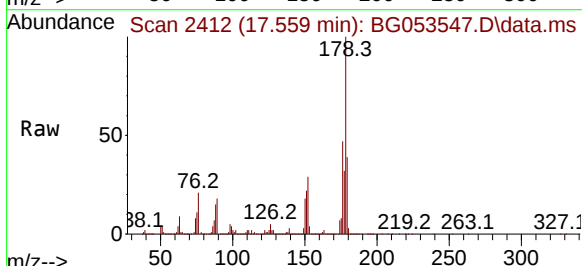
Tgt Ion:178 Resp:10878394

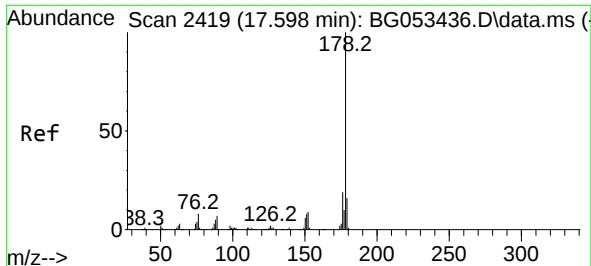
Ion Ratio Lower Upper

178 100

176 47.2 14.1 21.1#

179 39.1 12.1 18.1#

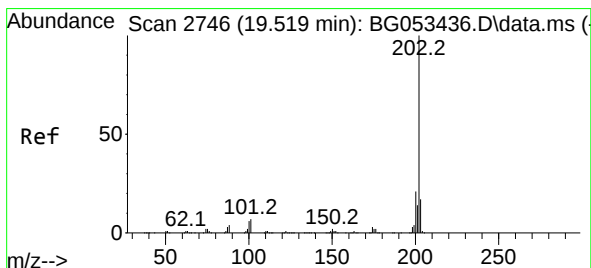
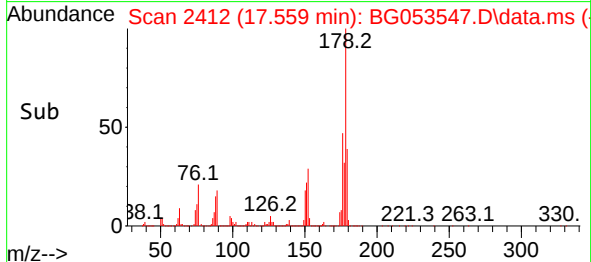
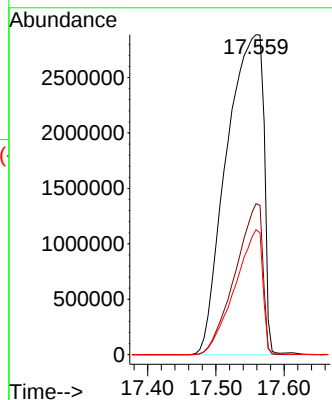
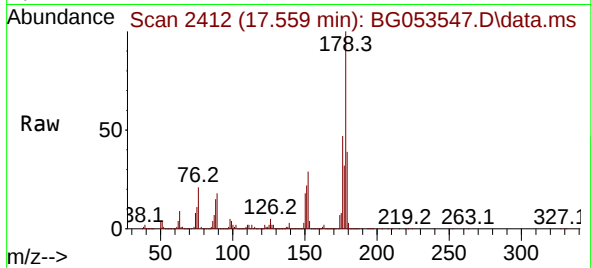




#72
 Anthracene
 Concen: 1259.966 ng
 RT: 17.559 min Scan# 2419
 Delta R.T. -0.035 min
 Lab File: BG053547.D
 Acq: 13 May 2022 17:47

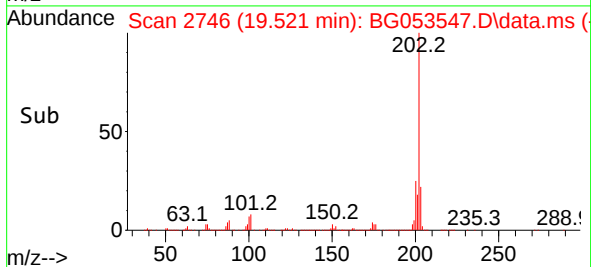
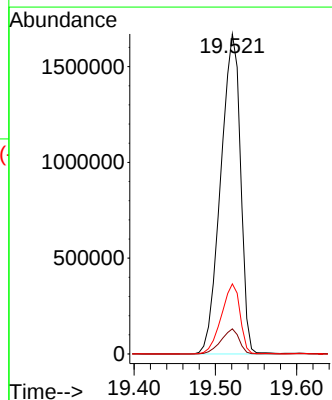
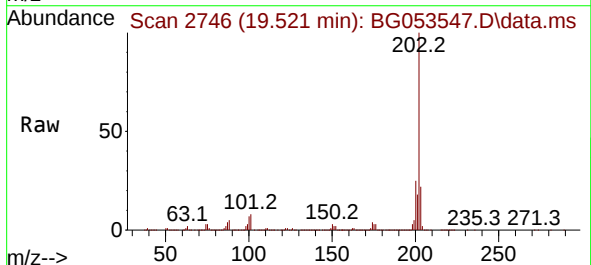
Instrument :
 BNA_G
 ClientSampleId :
 SC-8

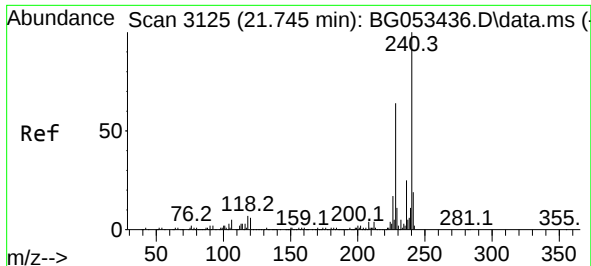
Tgt Ion:178 Resp:10878394
 Ion Ratio Lower Upper
 178 100
 176 47.2 15.2 22.8#
 179 39.1 13.0 19.4#



#75
 Fluoranthene
 Concen: 248.821 ng
 RT: 19.521 min Scan# 2746
 Delta R.T. 0.012 min
 Lab File: BG053547.D
 Acq: 13 May 2022 17:47

Tgt Ion:202 Resp: 2829987
 Ion Ratio Lower Upper
 202 100
 101 7.9 0.0 26.9
 203 21.9 0.0 37.2

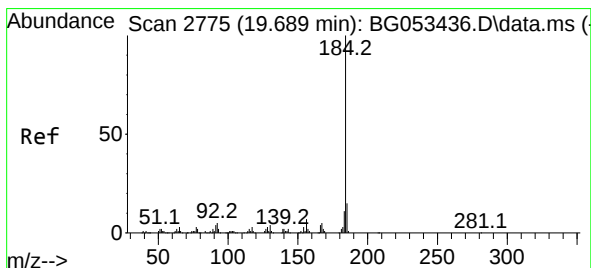
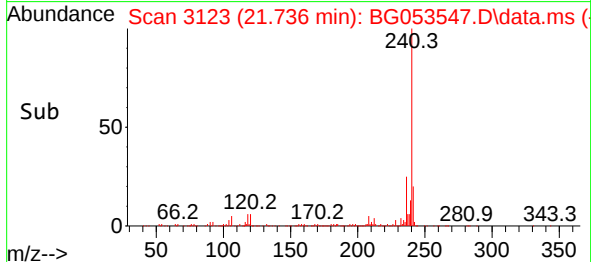
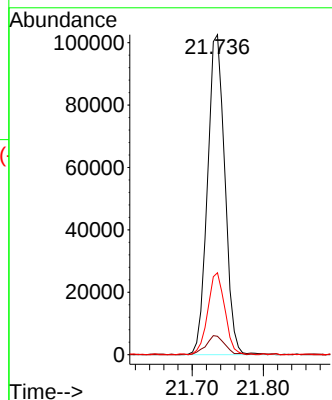
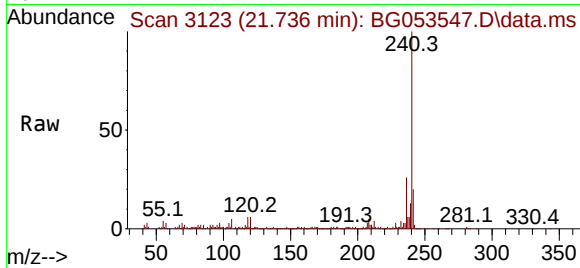




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.736 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

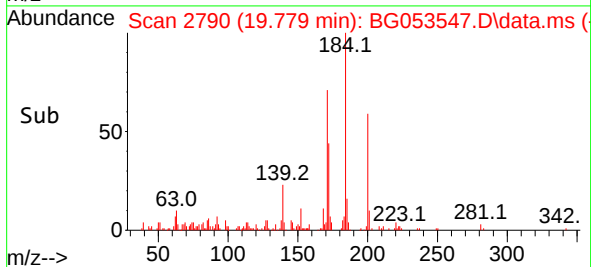
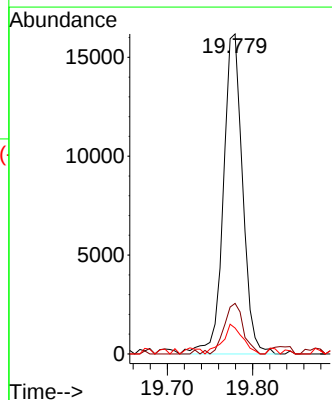
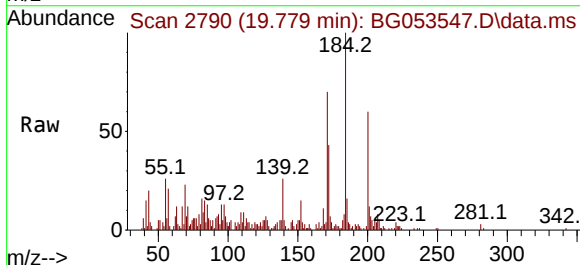
Instrument :
BNA_G
ClientSampleId :
SC-8

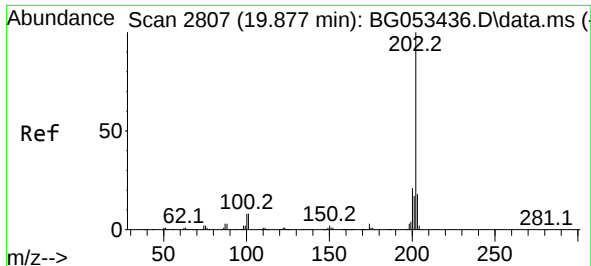
Tgt Ion:240 Resp: 173600
Ion Ratio Lower Upper
240 100
120 5.7 4.6 7.0
236 25.6 20.2 30.4



#77
Benzidine
Concen: 6.789 ng
RT: 19.779 min Scan# 2790
Delta R.T. 0.100 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

Tgt Ion:184 Resp: 25402
Ion Ratio Lower Upper
184 100
185 15.8 11.8 17.6
183 8.1 8.9 13.3#

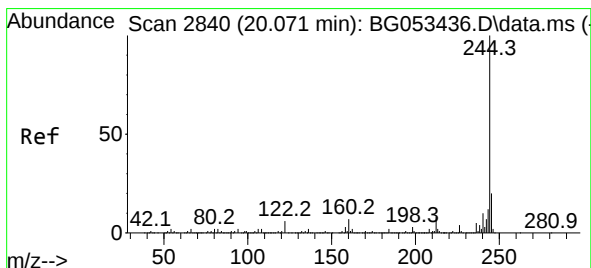
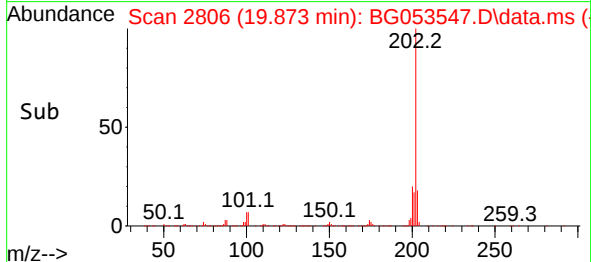
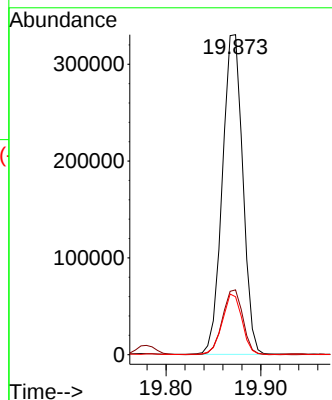
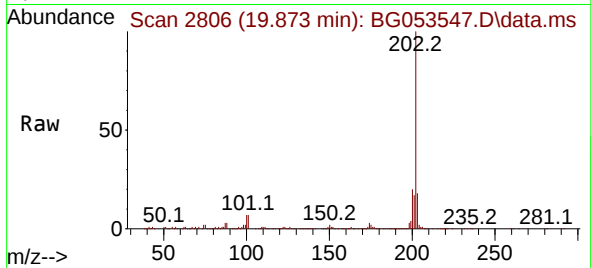




#78
Pyrene
Concen: 44.042 ng
RT: 19.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

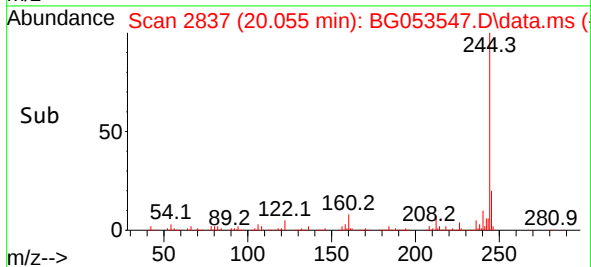
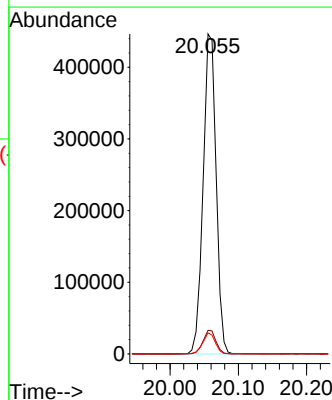
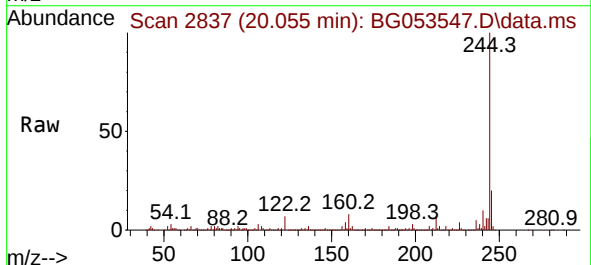
Instrument :
BNA_G
ClientSampleId :
SC-8

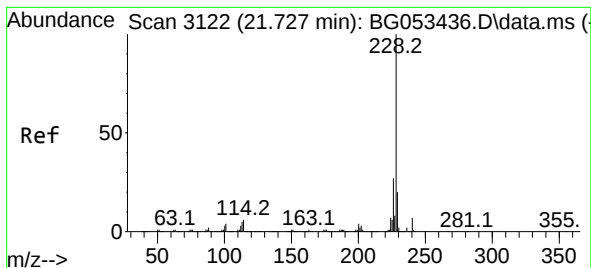
Tgt Ion:202 Resp: 494942
Ion Ratio Lower Upper
202 100
200 20.3 16.6 24.8
203 18.1 14.6 21.8



#79
Terphenyl-d14
Concen: 63.496 ng
RT: 20.055 min Scan# 2837
Delta R.T. -0.006 min
Lab File: BG053547.D
Acq: 13 May 2022 17:47

Tgt Ion:244 Resp: 591844
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 6.6 5.0 7.4





#81

Benzo(a)anthracene

Concen: 2.358 ng

RT: 21.712 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BG053547.D

Acq: 13 May 2022 17:47

Instrument :

BNA_G

ClientSampleId :

SC-8

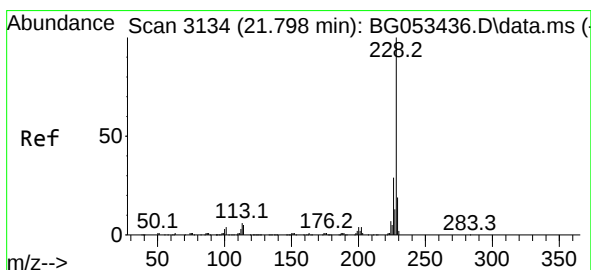
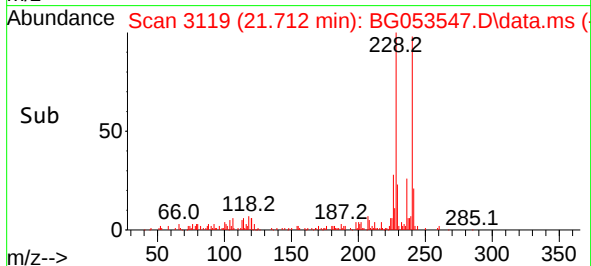
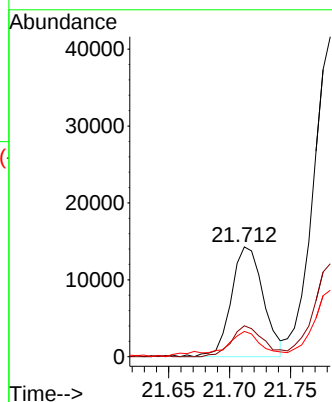
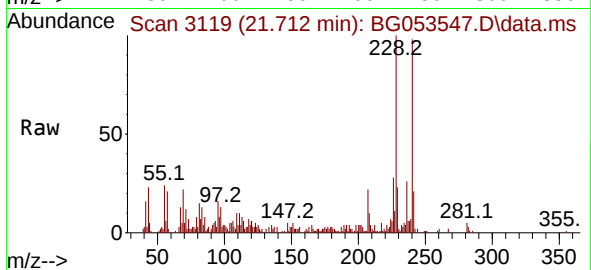
Tgt Ion:228 Resp: 26113

Ion Ratio Lower Upper

228 100

226 28.1 21.6 32.4

229 23.1 16.2 24.2



#83

Chrysene

Concen: 6.831 ng

RT: 21.783 min Scan# 3131

Delta R.T. -0.006 min

Lab File: BG053547.D

Acq: 13 May 2022 17:47

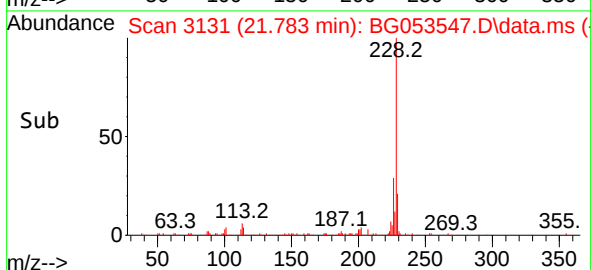
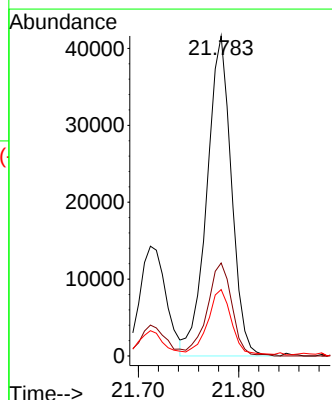
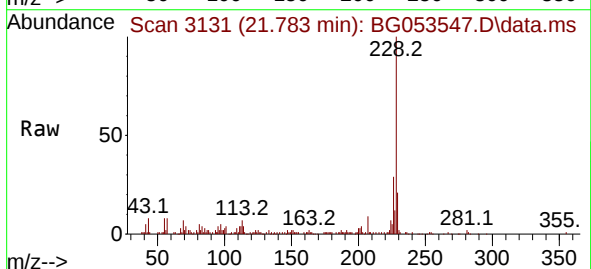
Tgt Ion:228 Resp: 70642

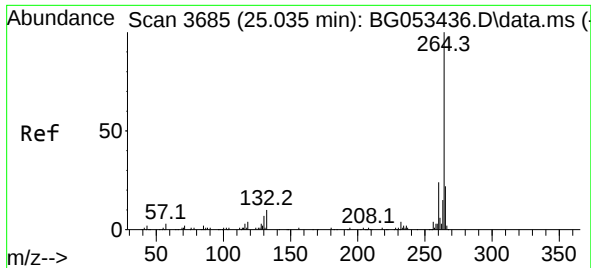
Ion Ratio Lower Upper

228 100

226 29.1 23.4 35.2

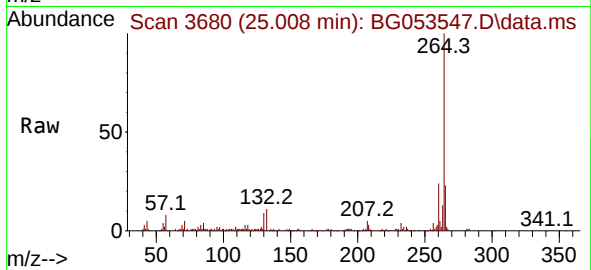
229 20.7 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.008 min Scan# 30
 Delta R.T. -0.012 min
 Lab File: BG053547.D
 Acq: 13 May 2022 17:47

Instrument :
 BNA_G
 ClientSampleId :
 SC-8



Tgt Ion:264	Resp:	180241
Ion	Ratio	Lower Upper
264	100	
260	24.3	19.0 28.6
265	22.5	17.4 26.2

