

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
 Data File : BG055770.D
 Acq On : 24 Nov 2022 1:06
 Operator : CG/JU
 Sample : N5754-03 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-164718

Quant Time: Nov 24 06:10:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 06:05:02 2022
 Response via : Initial Calibration

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

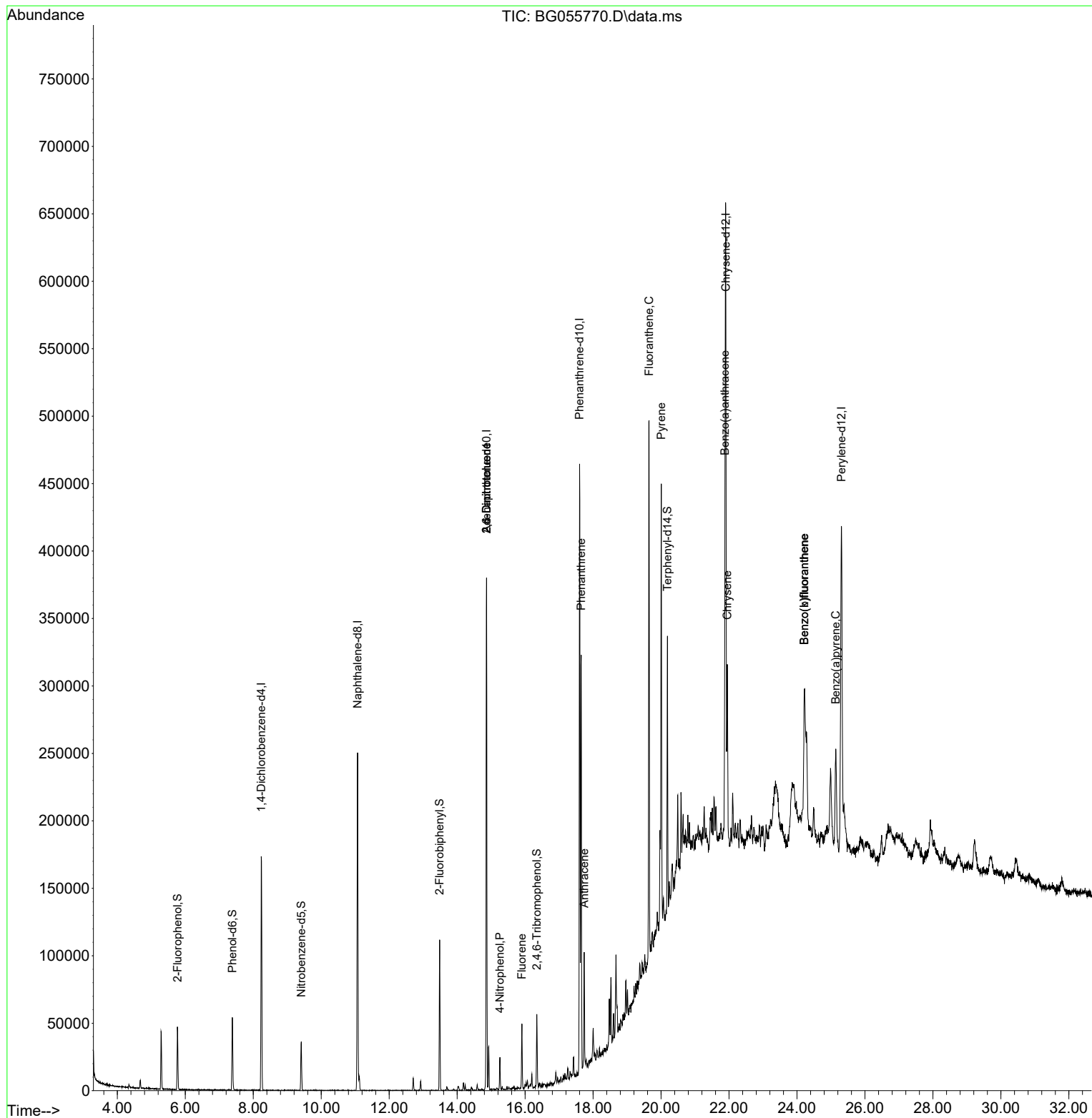
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.236	152	51262	20.000	ng	0.00
21) Naphthalene-d8	11.068	136	209983	20.000	ng	0.00
39) Acenaphthene-d10	14.863	164	140451	20.000	ng	0.00
64) Phenanthrene-d10	17.601	188	293146	20.000	ng	0.00
76) Chrysene-d12	21.902	240	284769	20.000	ng	0.00
86) Perylene-d12	25.304	264	305348	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.768	112	21077	7.432	ng	0.00
7) Phenol-d6	7.384	99	32100	8.503	ng	0.00
23) Nitrobenzene-d5	9.411	82	22104	5.564	ng	0.00
42) 2,4,6-Tribromophenol	16.344	330	9532	4.820	ng	0.00
45) 2-Fluorobiphenyl	13.483	172	59008	6.294	ng	0.00
79) Terphenyl-d14	20.187	244	94506	6.638	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.863	165	18871	8.243	ng	# 27
56) 4-Nitrophenol	15.257	139	5923	3.003	ng	# 4
57) 2,4-Dinitrotoluene	14.863	165	18871	5.847	ng	# 25
58) Fluorene	15.903	166	21485	2.037	ng	98
71) Phenanthrene	17.648	178	204541	12.930	ng	98
72) Anthracene	17.736	178	56122	3.651	ng	99
75) Fluoranthene	19.646	202	262132	13.620	ng	99
78) Pyrene	20.004	202	217218	11.269	ng	99
81) Benzo(a)anthracene	21.879	228	122904	6.266	ng	99
83) Chrysene	21.949	228	105338	5.641	ng	99
88) Benzo(b)fluoranthene	24.217	252	140642	7.072	ng	# 96
89) Benzo(k)fluoranthene	24.217	252	140642	7.095	ng	# 96
90) Benzo(a)pyrene	25.140	252	100418	5.885	ng	# 94

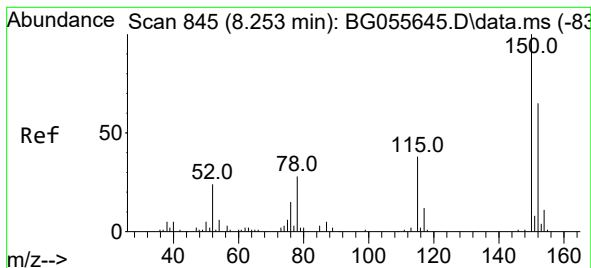
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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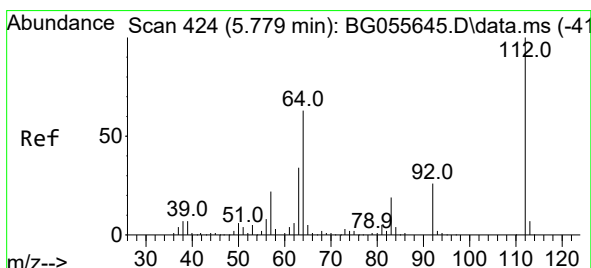
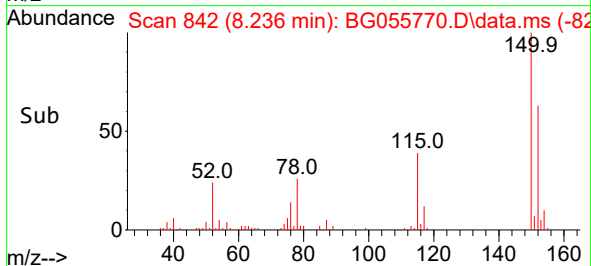
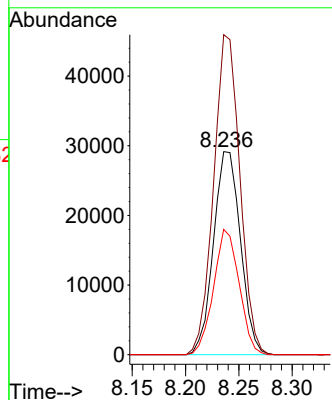
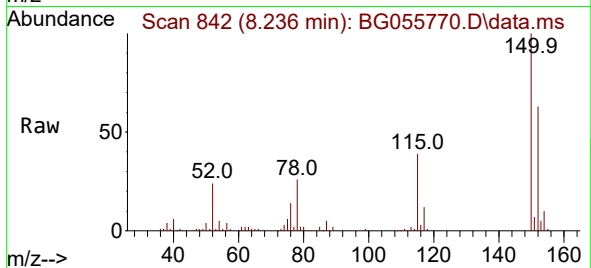




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.236 min Scan# 84
Delta R.T. -0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

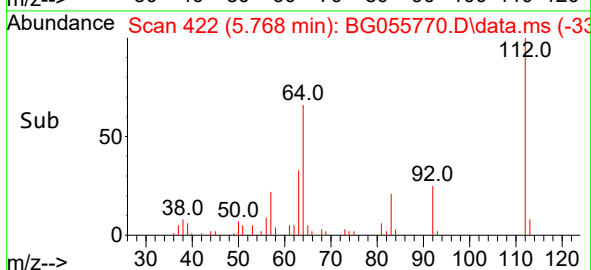
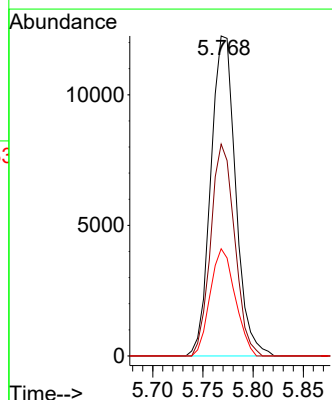
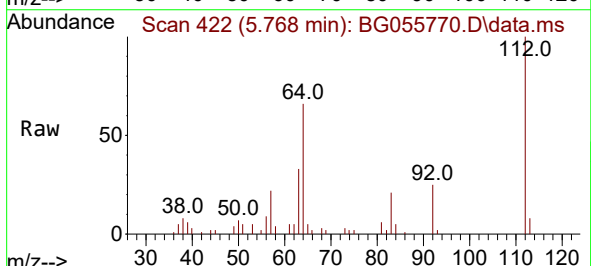
Instrument :
BNA_G
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PSC-164718

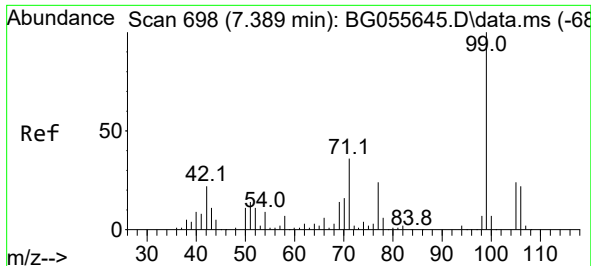
Tgt Ion:152 Resp: 51262
Ion Ratio Lower Upper
152 100
150 157.6 123.0 184.6
115 61.7 47.0 70.4



#5
2-Fluorophenol
Concen: 7.432 ng
RT: 5.768 min Scan# 422
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

Tgt Ion:112 Resp: 21077
Ion Ratio Lower Upper
112 100
64 66.2 50.6 76.0
63 33.5 27.5 41.3

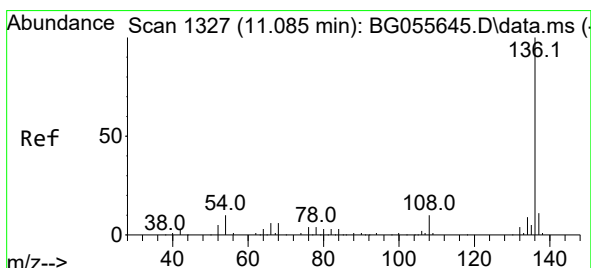
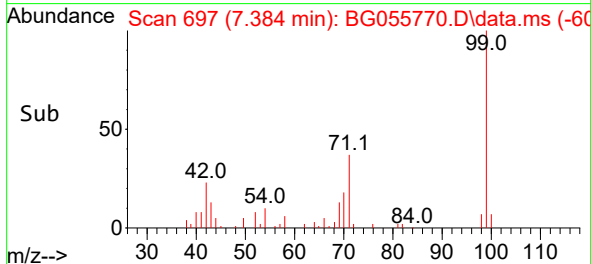
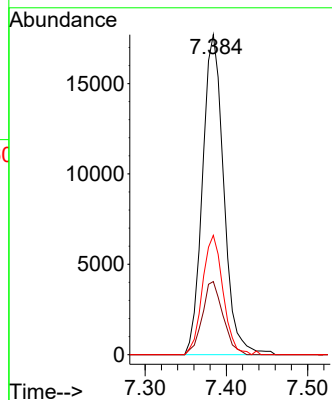
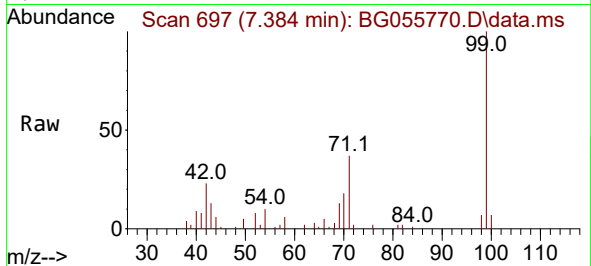




#7
Phenol-d6
Concen: 8.503 ng
RT: 7.384 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

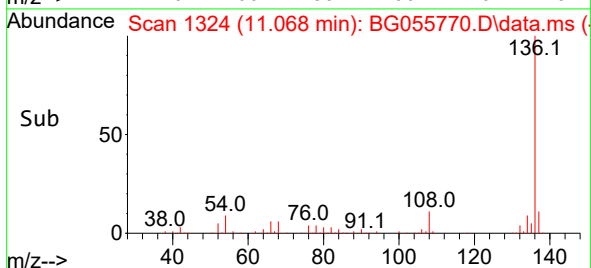
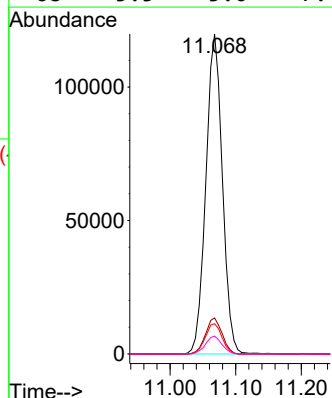
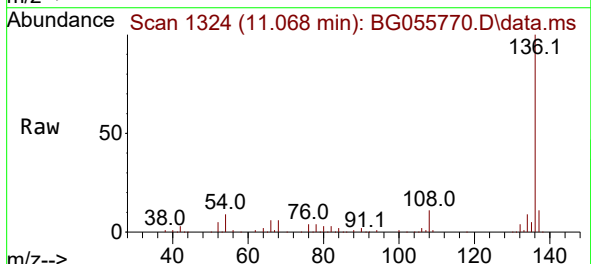
Instrument :
BNA_G
ClientSampleId :
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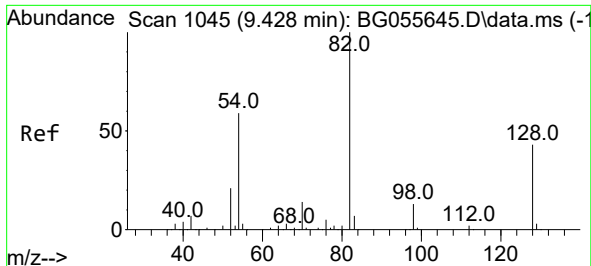
Tgt Ion: 99 Resp: 32100
Ion Ratio Lower Upper
99 100
42 22.9 18.0 27.0
71 37.3 29.0 43.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.068 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

Tgt Ion:136 Resp: 209983
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 9.5 7.8 11.6
68 5.5 5.0 7.4

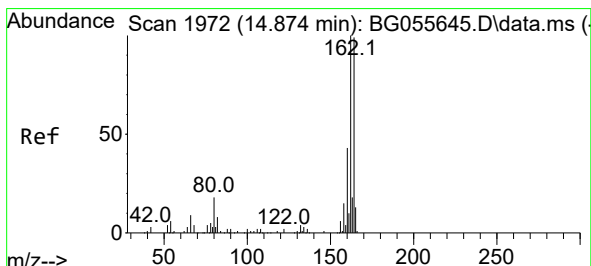
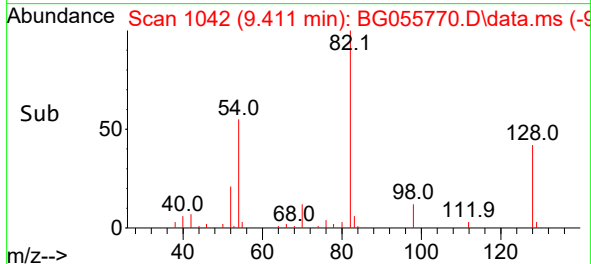
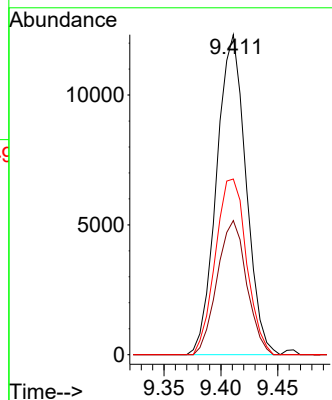
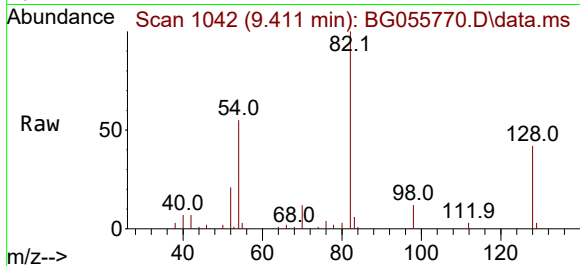




#23
Nitrobenzene-d5
Concen: 5.564 ng
RT: 9.411 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

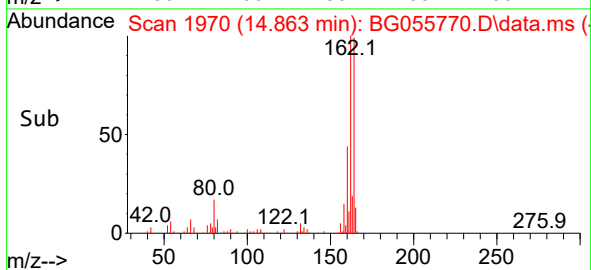
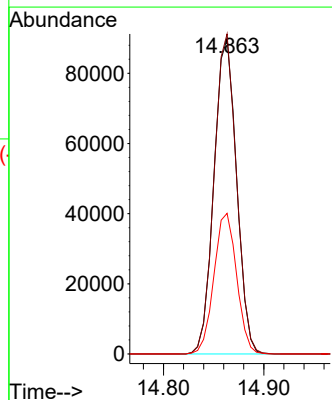
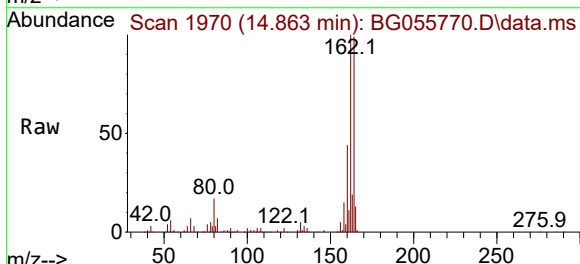
Instrument :
BNA_G
ClientSampleId :
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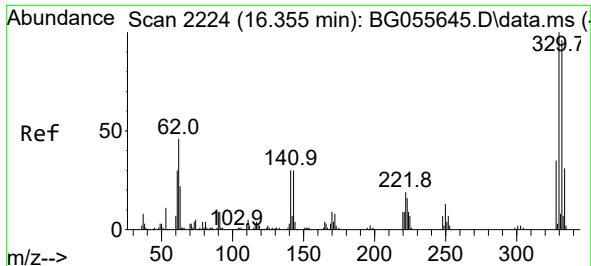
Tgt Ion: 82 Resp: 22104
Ion Ratio Lower Upper
82 100
128 41.9 34.1 51.1
54 54.9 47.3 70.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.863 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

Tgt Ion:164 Resp: 140451
Ion Ratio Lower Upper
164 100
162 101.5 81.1 121.7
160 44.6 34.8 52.2

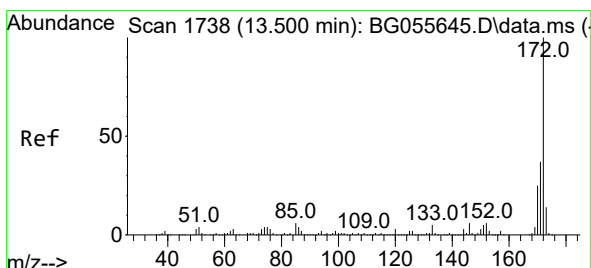
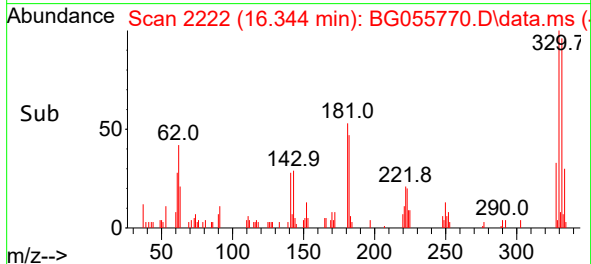
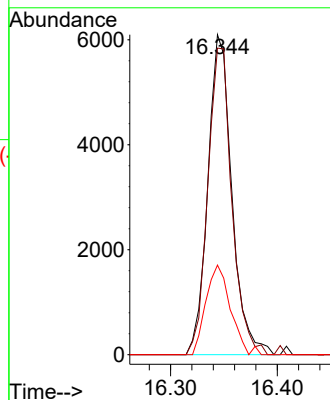
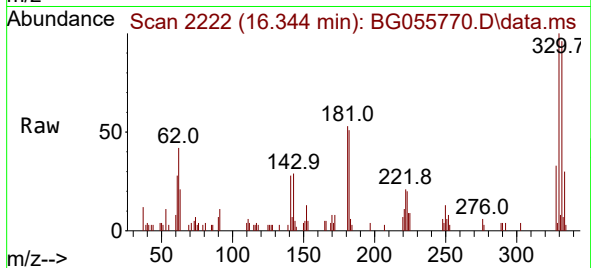




#42
2,4,6-Tribromophenol
Concen: 4.820 ng
RT: 16.344 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

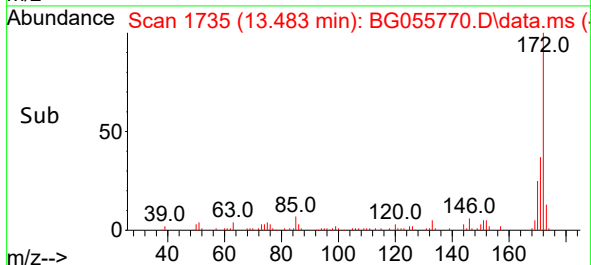
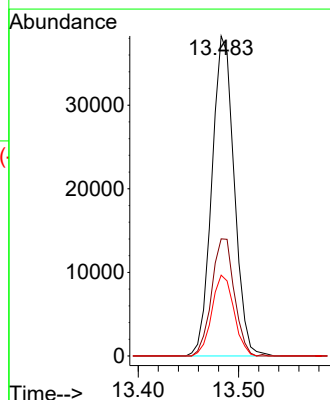
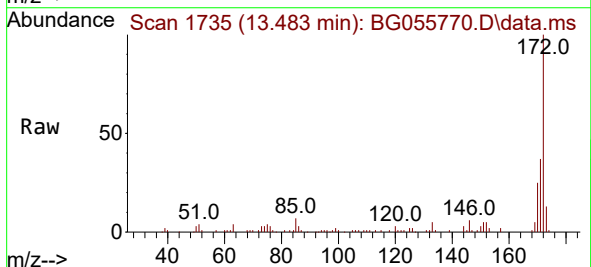
Instrument :
BNA_G
ClientSampleId :
PSC-164718

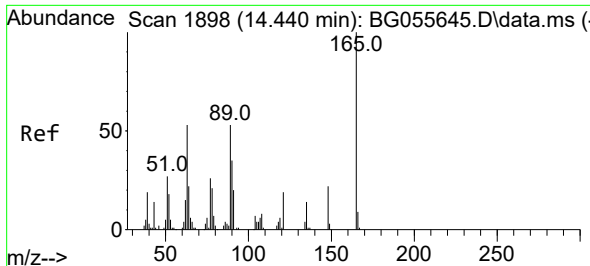
Tgt Ion:330 Resp: 9532
Ion Ratio Lower Upper
330 100
332 96.0 77.8 116.8
141 28.7 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 6.294 ng
RT: 13.483 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

Tgt Ion:172 Resp: 59008
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.6
170 25.2 20.2 30.4

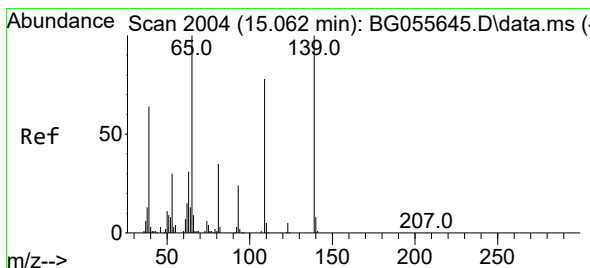
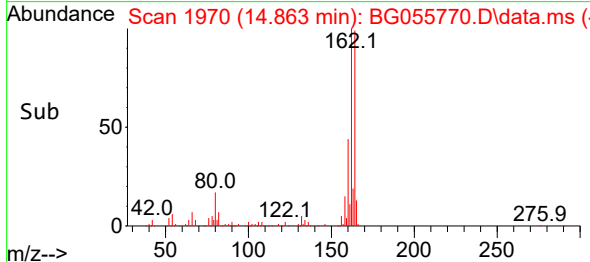
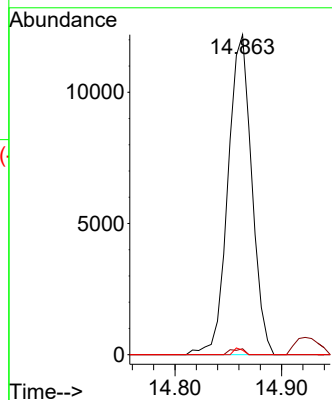
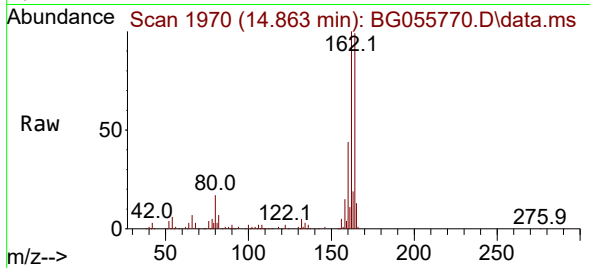




#51
2,6-Dinitrotoluene
Concen: 8.243 ng
RT: 14.863 min Scan# 1970
Delta R.T. 0.429 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

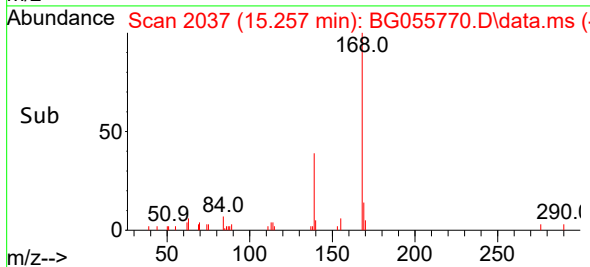
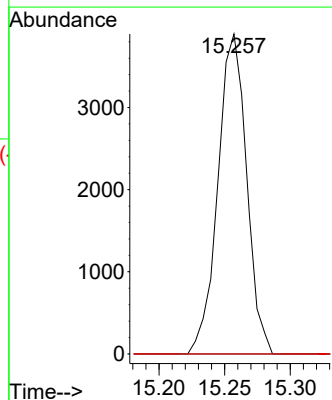
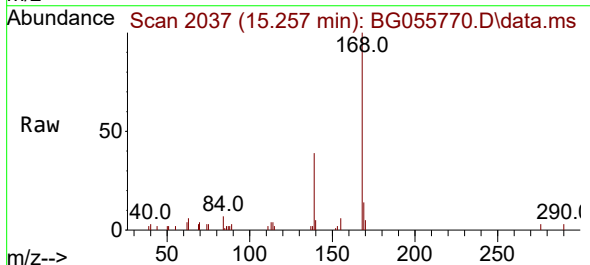
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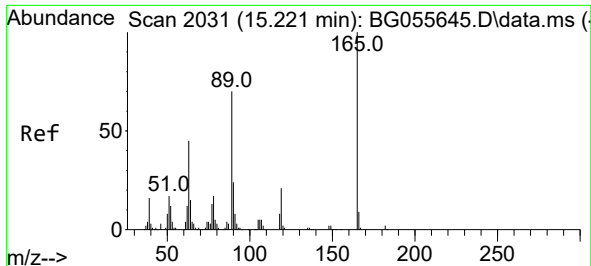
Tgt Ion:165 Resp: 18871
Ion Ratio Lower Upper
165 100
63 1.9 44.6 66.8#
89 1.4 42.2 63.4#



#56
4-Nitrophenol
Concen: 3.003 ng
RT: 15.257 min Scan# 2037
Delta R.T. 0.194 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

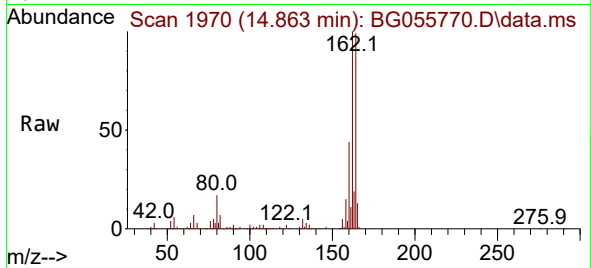
Tgt Ion:139 Resp: 5923
Ion Ratio Lower Upper
139 100
109 0.0 58.6 98.6#
65 0.0 80.5 120.5#



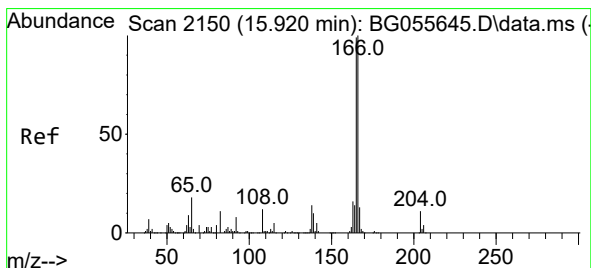
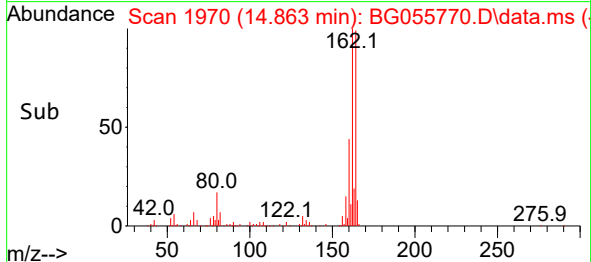
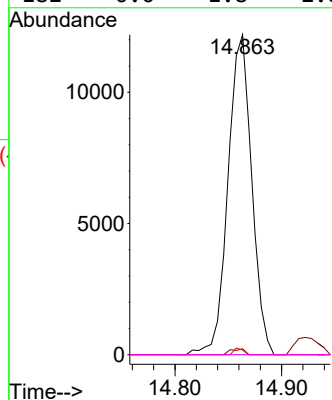


#57
2,4-Dinitrotoluene
Concen: 5.847 ng
RT: 14.863 min Scan# 14
Delta R.T. -0.352 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

Instrument :
BNA_G
ClientSampleId :
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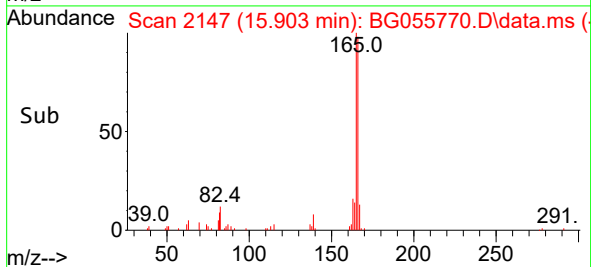
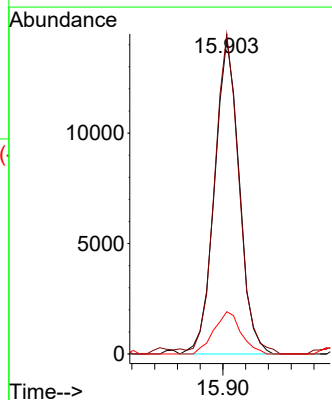
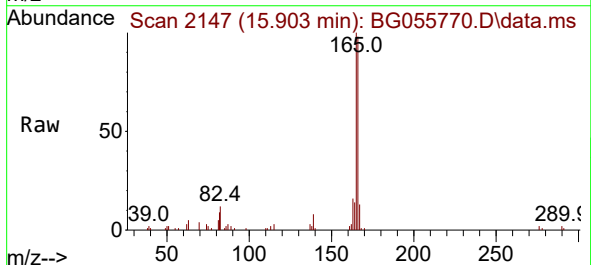


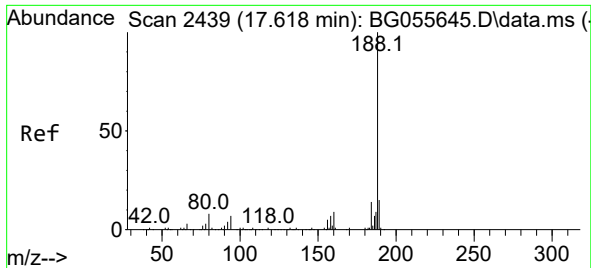
Tgt Ion:165 Resp: 18871
Ion Ratio Lower Upper
165 100
63 1.9 35.8 53.8#
89 1.4 56.2 84.4#
182 0.0 1.8 2.8#



#58
Fluorene
Concen: 2.037 ng
RT: 15.903 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

Tgt Ion:166 Resp: 21485
Ion Ratio Lower Upper
166 100
165 101.6 79.3 118.9
167 13.4 10.6 15.8

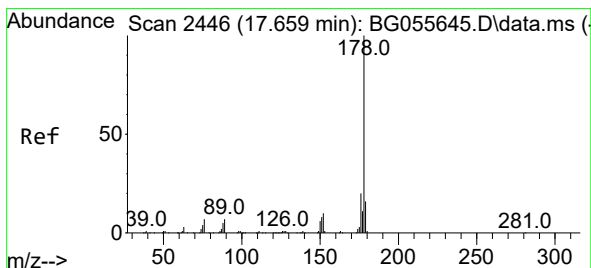
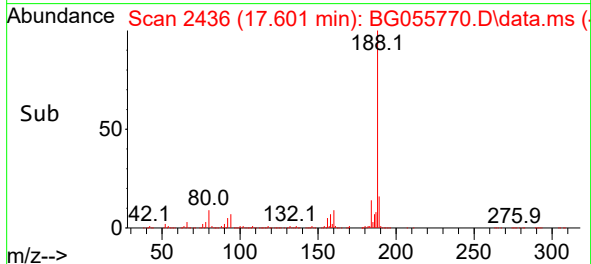
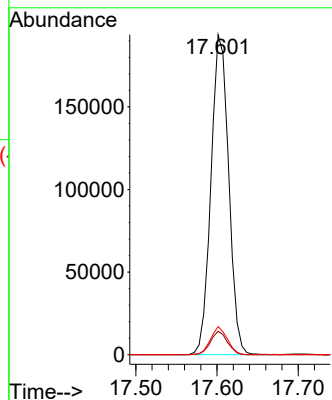
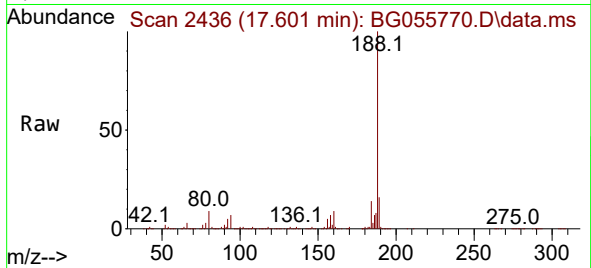




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.601 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

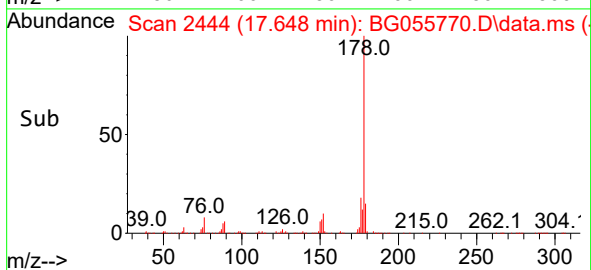
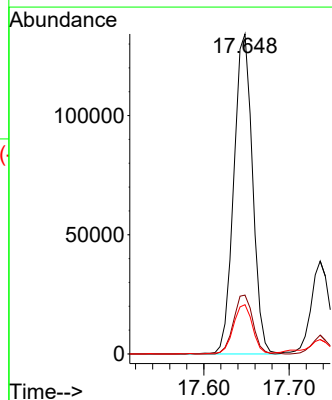
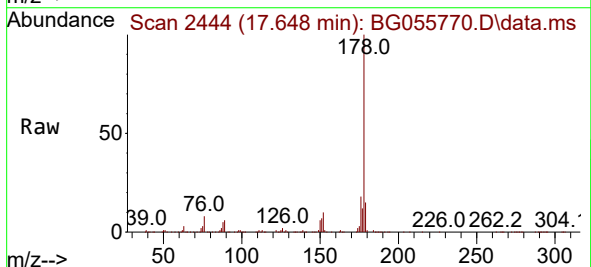
Instrument :
BNA_G
ClientSampleId :
PSC-164718

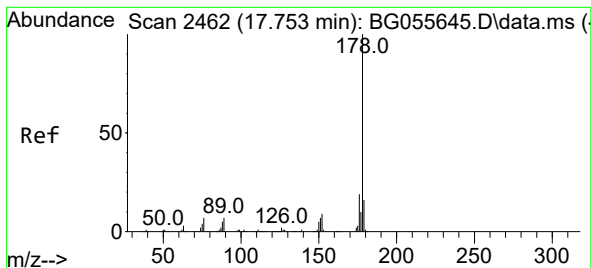
Tgt Ion:188 Resp: 293146
Ion Ratio Lower Upper
188 100
94 7.3 5.4 8.2
80 8.8 6.6 10.0



#71
Phenanthrene
Concen: 12.930 ng
RT: 17.648 min Scan# 2444
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

Tgt Ion:178 Resp: 204541
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.4 12.7 19.1





#72

Anthracene

Concen: 3.651 ng

RT: 17.736 min Scan# 2462

Delta R.T. -0.006 min

Lab File: BG055770.D

Acq: 24 Nov 2022 1:06

Instrument :

BNA_G

ClientSampleId :

PSC-164718

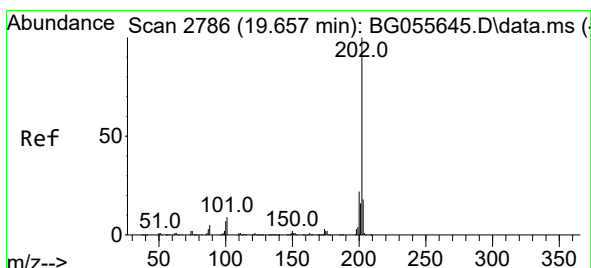
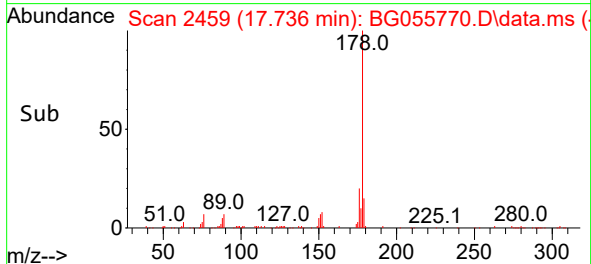
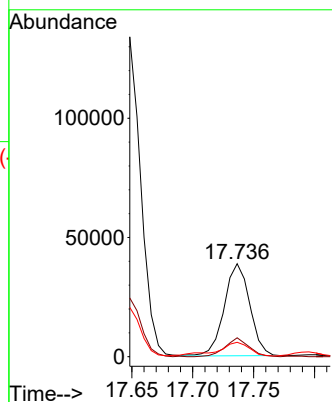
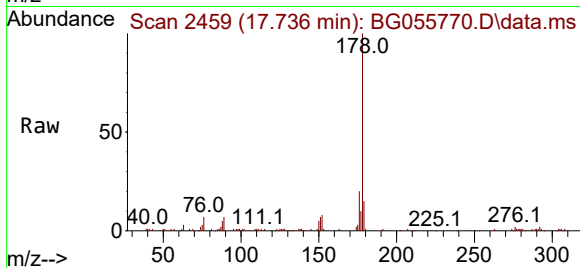
Tgt Ion:178 Resp: 56122

Ion Ratio Lower Upper

178 100

176 20.3 15.5 23.3

179 15.5 12.5 18.7



#75

Fluoranthene

Concen: 13.620 ng

RT: 19.646 min Scan# 2784

Delta R.T. 0.000 min

Lab File: BG055770.D

Acq: 24 Nov 2022 1:06

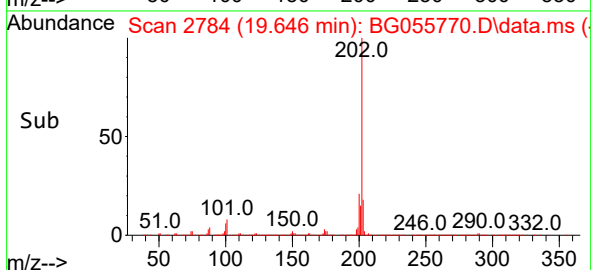
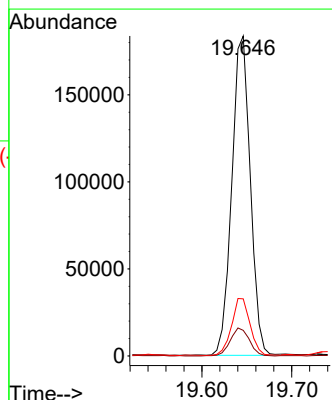
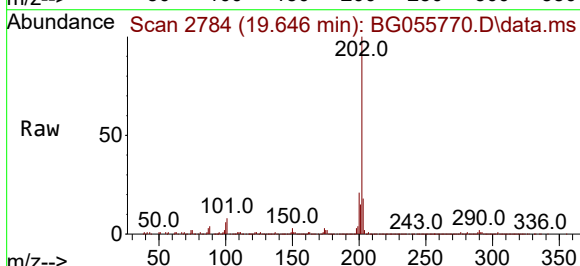
Tgt Ion:202 Resp: 262132

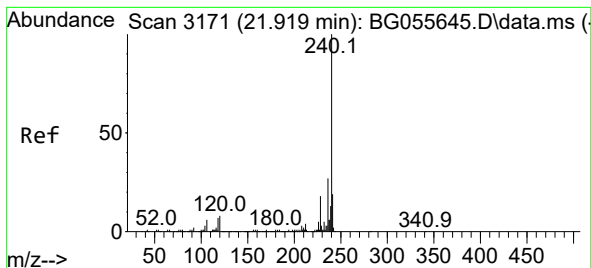
Ion Ratio Lower Upper

202 100

101 8.0 0.0 28.8

203 17.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.902 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG055770.D

Acq: 24 Nov 2022 1:06

Instrument :

BNA_G

ClientSampleId :

PSC-164718

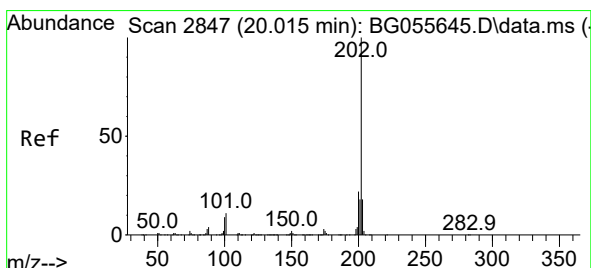
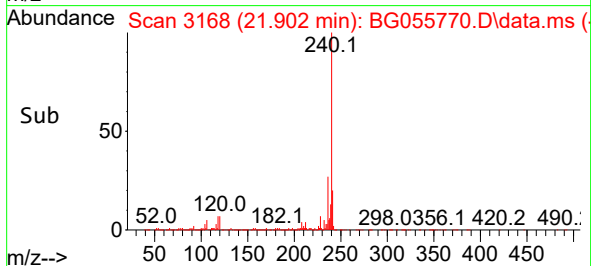
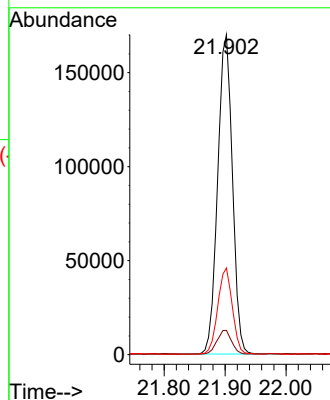
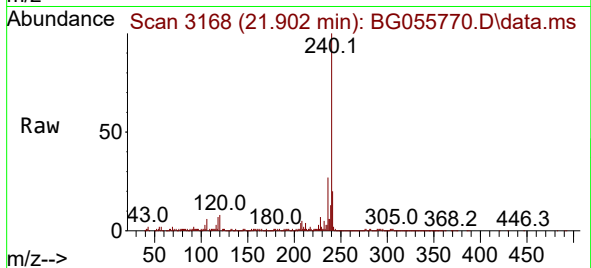
Tgt Ion:240 Resp: 284769

Ion Ratio Lower Upper

240 100

120 7.6 6.3 9.5

236 27.1 21.9 32.9



#78

Pyrene

Concen: 11.269 ng

RT: 20.004 min Scan# 2845

Delta R.T. -0.006 min

Lab File: BG055770.D

Acq: 24 Nov 2022 1:06

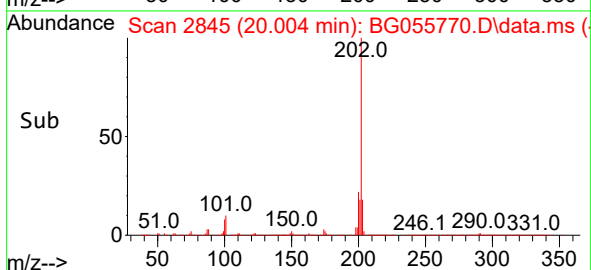
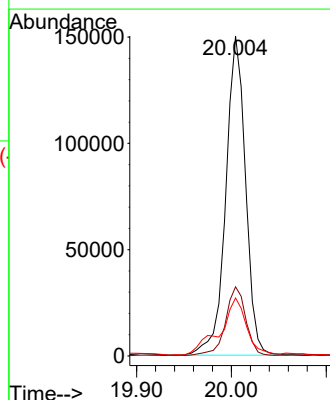
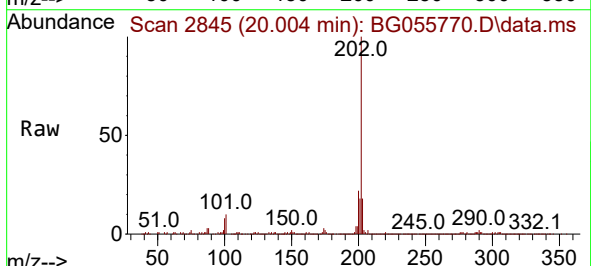
Tgt Ion:202 Resp: 217218

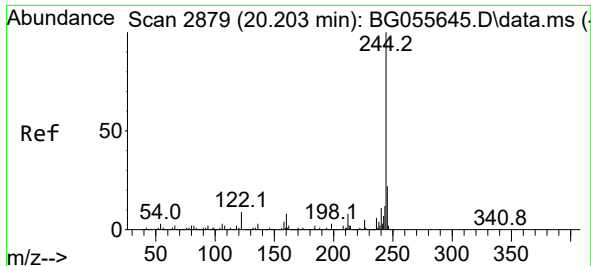
Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.6

203 18.1 14.4 21.6

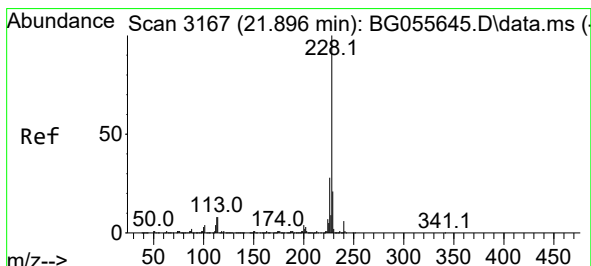
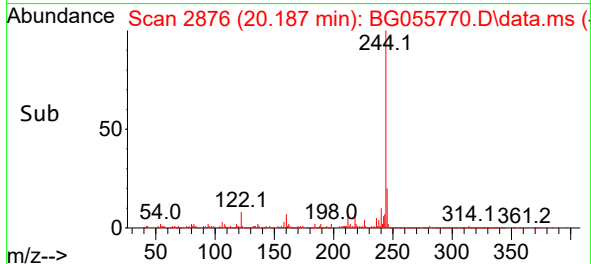
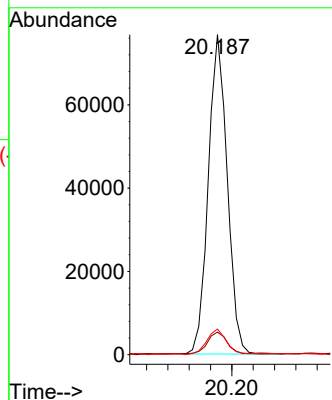
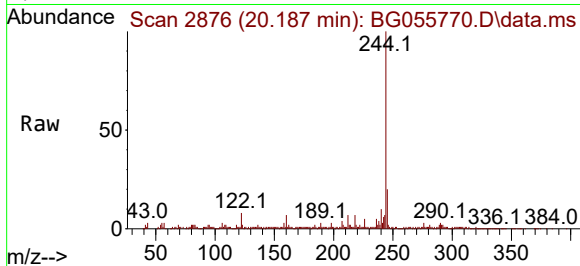




#79
 Terphenyl-d14
 Concen: 6.638 ng
 RT: 20.187 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG055770.D
 Acq: 24 Nov 2022 1:06

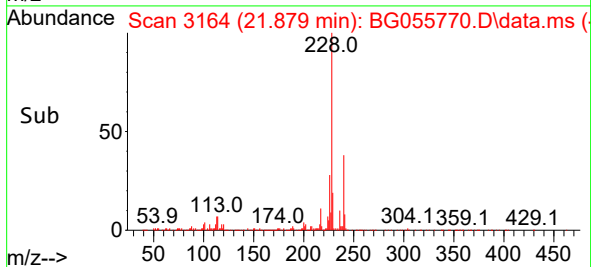
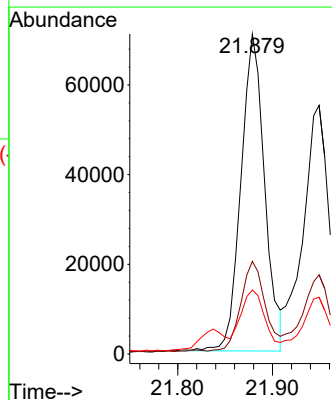
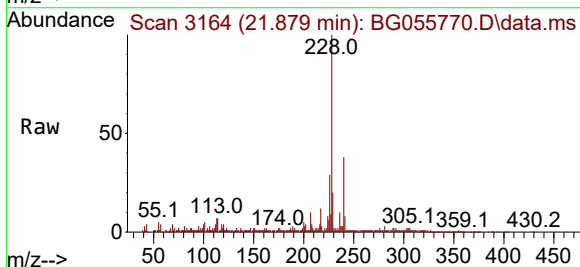
Instrument :
 BNA_G
 ClientSampleId :
 PSC-164718

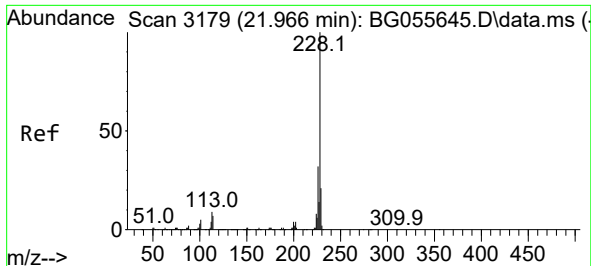
Tgt Ion:244 Resp: 94506
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.3 9.5
 122 8.0 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 6.266 ng
 RT: 21.879 min Scan# 3164
 Delta R.T. -0.006 min
 Lab File: BG055770.D
 Acq: 24 Nov 2022 1:06

Tgt Ion:228 Resp: 122904
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.7 34.1
 229 20.0 16.5 24.7

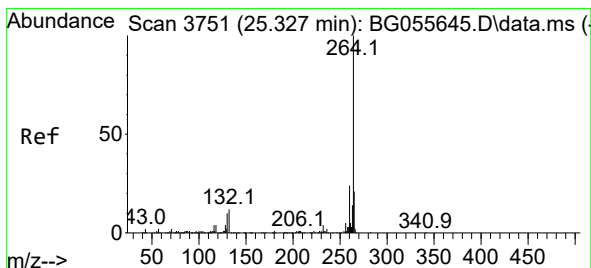
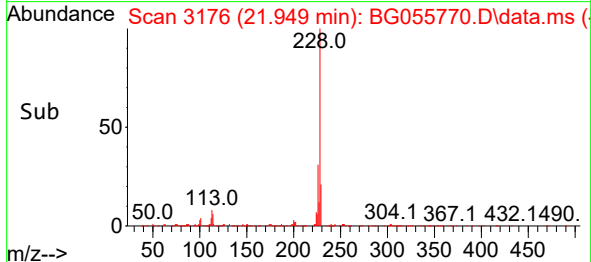
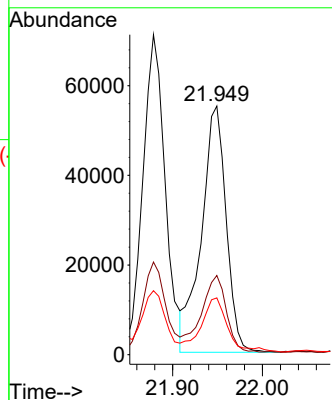
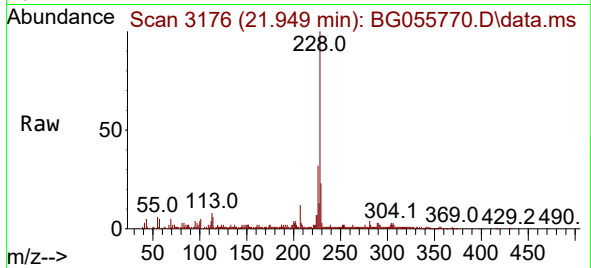




#83
Chrysene
Concen: 5.641 ng
RT: 21.949 min Scan# 3176
Delta R.T. -0.006 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

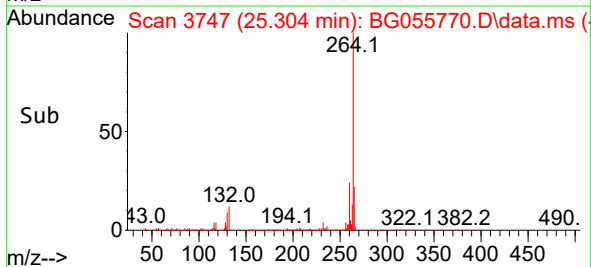
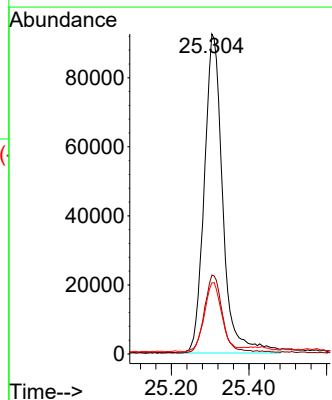
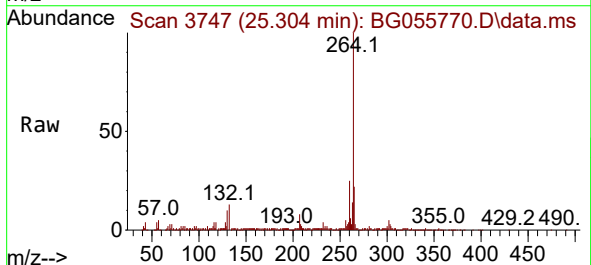
Instrument :
BNA_G
ClientSampleId :
PSC-164718

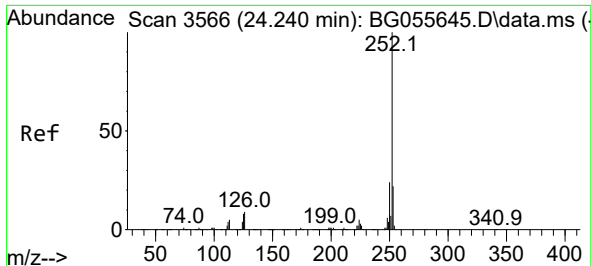
Tgt Ion:228 Resp: 105338
Ion Ratio Lower Upper
228 100
226 31.9 25.4 38.2
229 22.8 17.1 25.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.304 min Scan# 3747
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

Tgt Ion:264 Resp: 305348
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 22.2 17.1 25.7

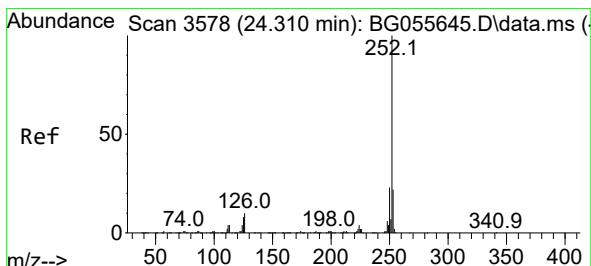
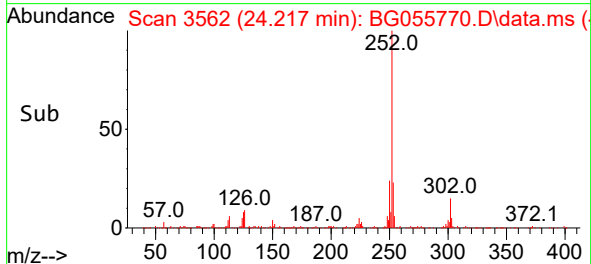
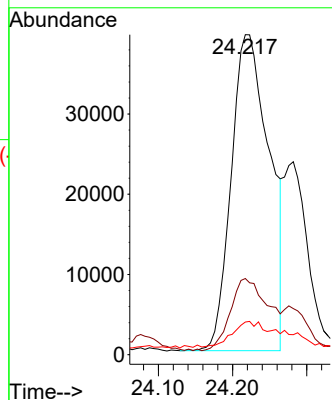
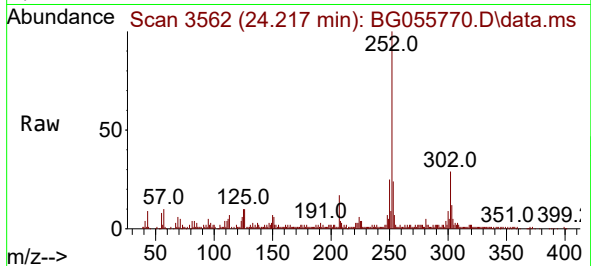




#88
Benzo(b)fluoranthene
Concen: 7.072 ng
RT: 24.217 min Scan# 3562
Delta R.T. 0.000 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

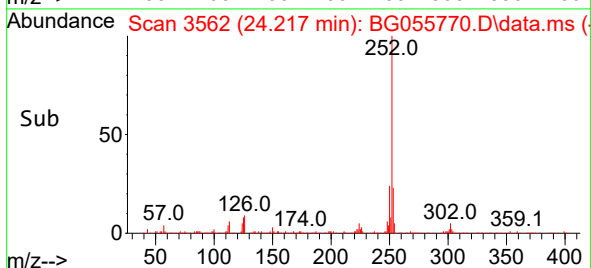
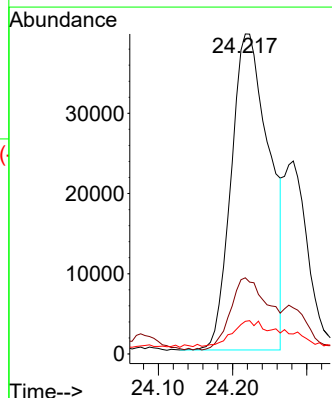
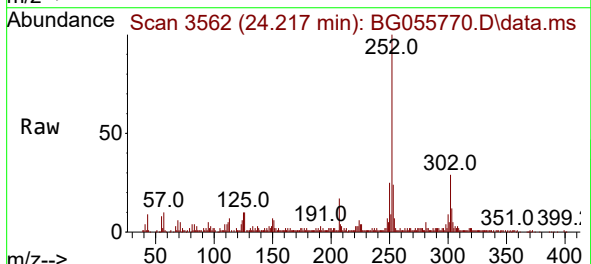
Instrument :
BNA_G
ClientSampleId :
PSC-164718

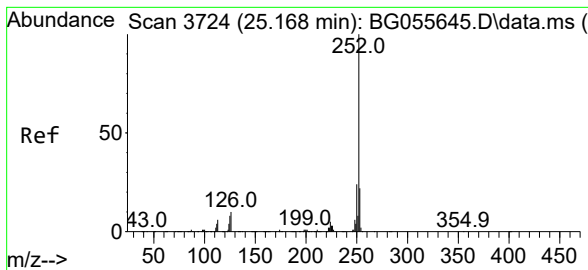
Tgt Ion:252 Resp: 140642
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 10.2 6.2 9.2#



#89
Benzo(k)fluoranthene
Concen: 7.095 ng
RT: 24.217 min Scan# 3562
Delta R.T. -0.076 min
Lab File: BG055770.D
Acq: 24 Nov 2022 1:06

Tgt Ion:252 Resp: 140642
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 10.2 6.1 9.1#





#90
 Benzo(a)pyrene
 Concen: 5.885 ng
 RT: 25.140 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BG055770.D
 Acq: 24 Nov 2022 1:06

Instrument :
 BNA_G
 ClientSampleId :
 PSC-164718

Tgt Ion:252	Resp:	100418
Ion Ratio	Lower	Upper
252	100	
253	25.0	17.8 26.6
125	10.2	6.4 9.6#

