

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
 Data File : BG055848.D
 Acq On : 30 Nov 2022 19:12
 Operator : CG/JU
 Sample : N5793-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-40-SB01

Quant Time: Dec 01 02:14:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 01 02:10:33 2022
 Response via : Initial Calibration

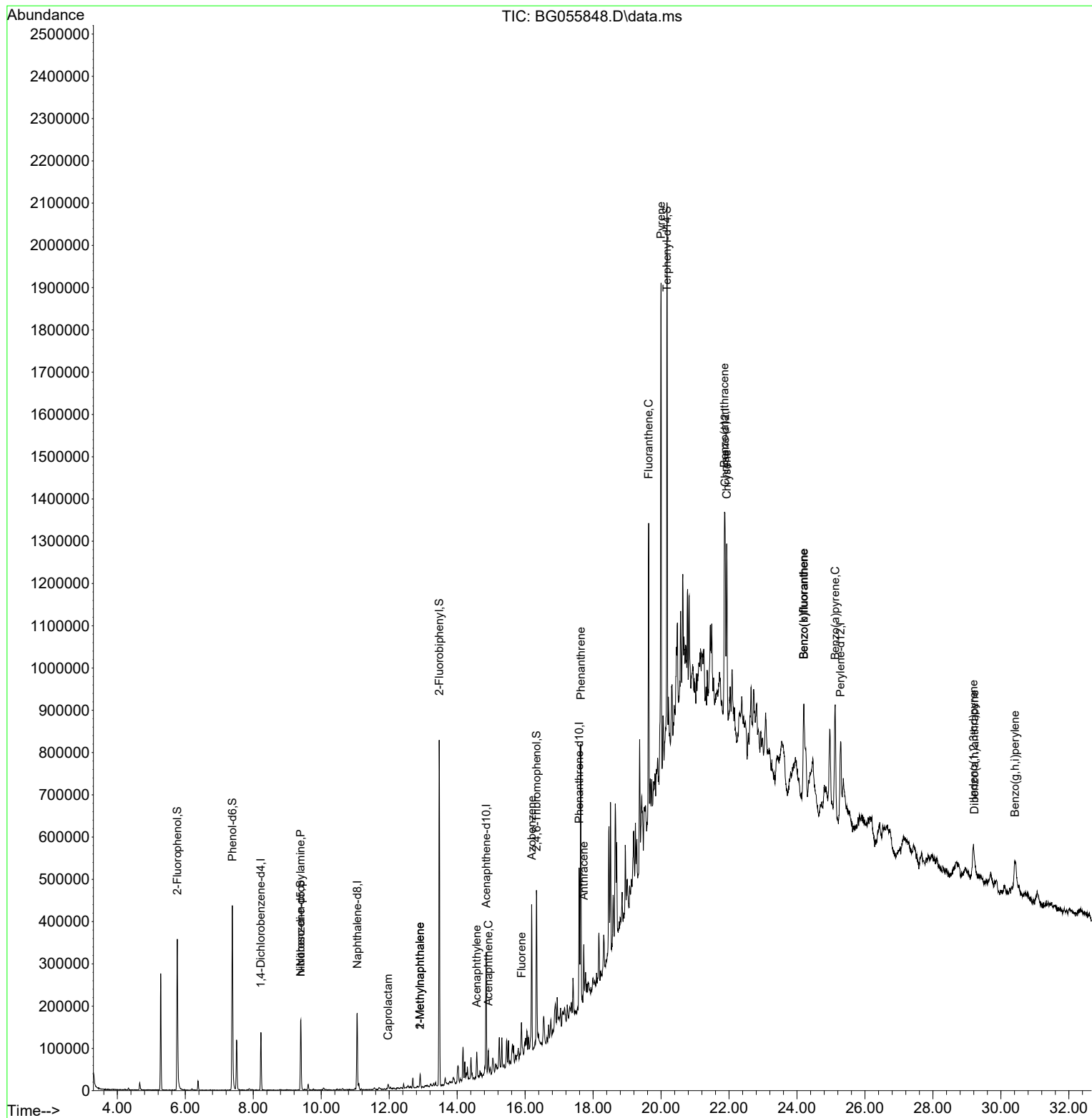
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	38661	20.000	ng	0.00
21) Naphthalene-d8	11.056	136	155317	20.000	ng	0.00
39) Acenaphthene-d10	14.851	164	105653	20.000	ng	0.00
64) Phenanthrene-d10	17.589	188	218930	20.000	ng	0.00
76) Chrysene-d12	21.884	240	213578	20.000	ng	0.00
86) Perylene-d12	25.280	264	231057	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	179223	83.792	ng	0.01
7) Phenol-d6	7.384	99	264261	92.814	ng	0.01
23) Nitrobenzene-d5	9.393	82	97895	33.314	ng	0.00
42) 2,4,6-Tribromophenol	16.338	330	87310	58.687	ng	0.01
45) 2-Fluorobiphenyl	13.471	172	420893	59.681	ng	0.00
79) Terphenyl-d14	20.175	244	599473	56.140	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.393	70	13178	6.024	ng	# 82
35) Caprolactam	11.967	113	1973	2.209	ng	# 84
37) 2-Methylnaphthalene	12.907	142	14824	2.358	ng	93
38) 1-Methylnaphthalene	12.907	142	14824	2.429	ng	99
49) Acenaphthylene	14.575	152	35470	3.599	ng	96
52) Acenaphthene	14.916	154	18063	2.805	ng	93
58) Fluorene	15.891	166	36151	4.556	ng	96
63) Azobenzene	16.191	77	90135	12.125	ng	# 1
71) Phenanthrene	17.636	178	411912	34.865	ng	99
72) Anthracene	17.724	178	89479	7.795	ng	97
75) Fluoranthene	19.634	202	448172	31.181	ng	98
78) Pyrene	19.998	202	757815	52.420	ng	97
81) Benzo(a)anthracene	21.867	228	313825	21.334	ng	95
83) Chrysene	21.931	228	309168	22.077	ng	96
87) Indeno(1,2,3-cd)pyrene	29.193	276	165380	8.737	ng	# 93
88) Benzo(b)fluoranthene	24.199	252	341589	22.700	ng	# 95
89) Benzo(k)fluoranthene	24.199	252	341589	22.773	ng	# 94
90) Benzo(a)pyrene	25.122	252	317502	24.588	ng	97
91) Dibenzo(a,h)anthracene	29.223	278	48877	3.160	ng	# 77
92) Benzo(g,h,i)perylene	30.415	276	184038	11.805	ng	97

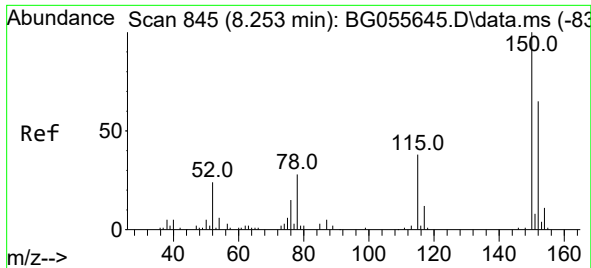
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055848.D
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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BNA_G
ClientSampleId :
B-40-SB01

Quant Time: Dec 01 02:14:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 01 02:10:33 2022
Response via : Initial Calibration

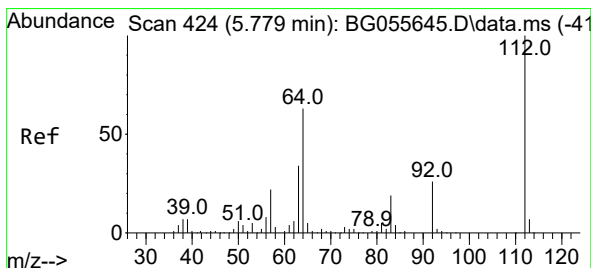
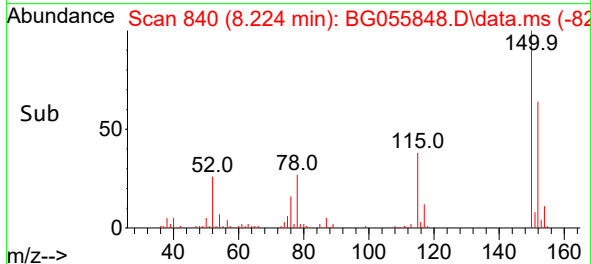
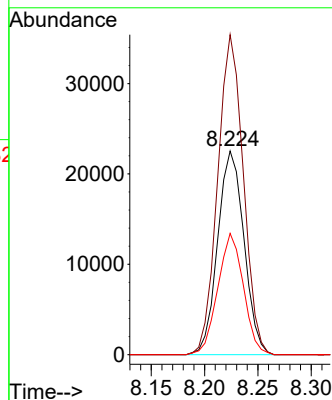
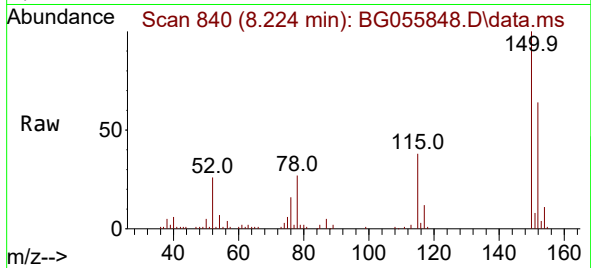




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.224 min Scan# 84
 Delta R.T. 0.005 min
 Lab File: BG055848.D
 Acq: 30 Nov 2022 19:12

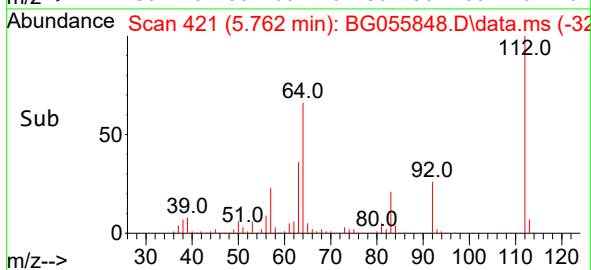
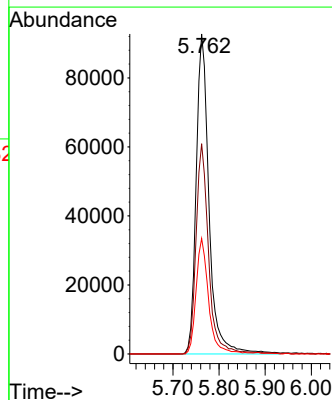
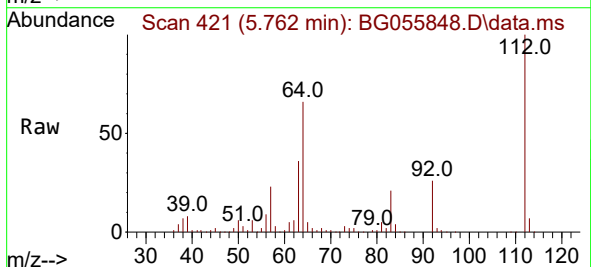
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 BNA_G
 ClientSampleId :
 B-40-SB01

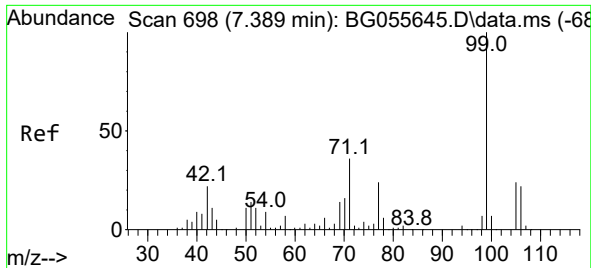
Tgt Ion:152 Resp: 38661
 Ion Ratio Lower Upper
 152 100
 150 157.1 123.0 184.6
 115 59.5 47.0 70.4



#5
 2-Fluorophenol
 Concen: 83.792 ng
 RT: 5.762 min Scan# 421
 Delta R.T. 0.010 min
 Lab File: BG055848.D
 Acq: 30 Nov 2022 19:12

Tgt Ion:112 Resp: 179223
 Ion Ratio Lower Upper
 112 100
 64 65.7 50.6 76.0
 63 36.1 27.5 41.3

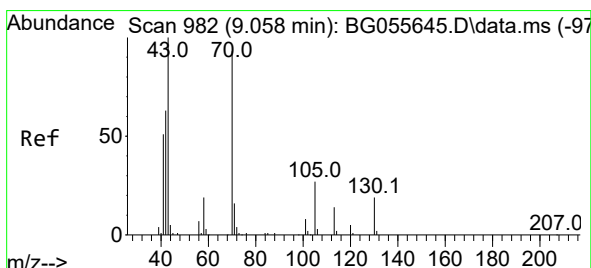
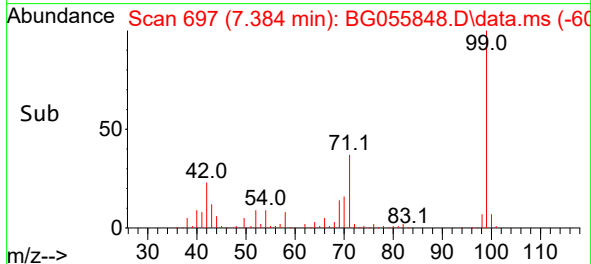
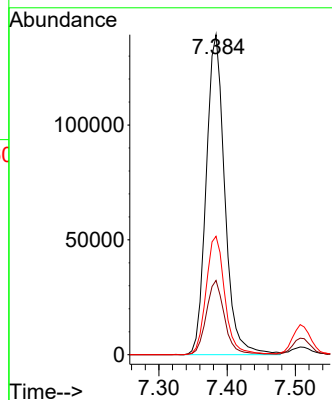
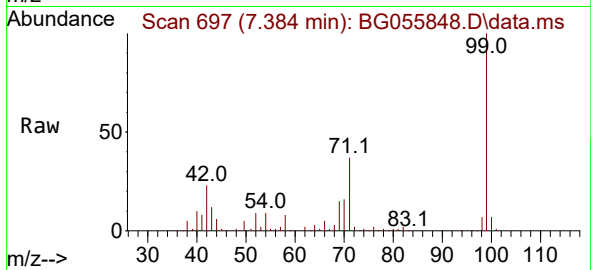




#7
Phenol-d6
Concen: 92.814 ng
RT: 7.384 min Scan# 697
Delta R.T. 0.010 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

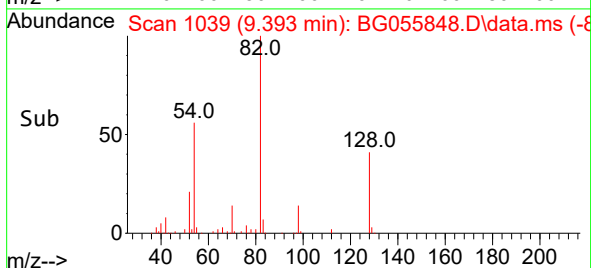
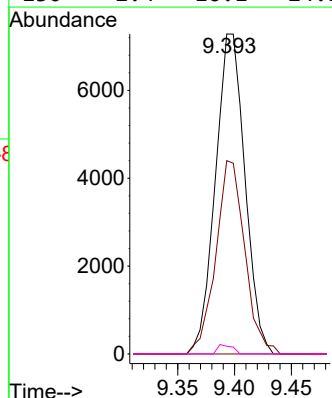
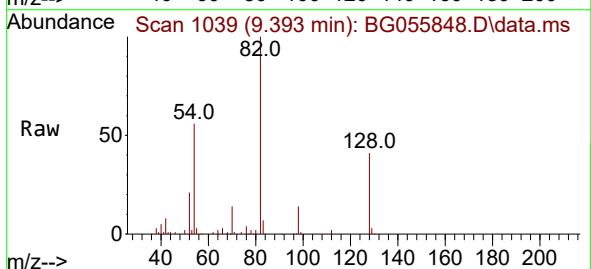
Instrument :
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ClientSampleId :
B-40-SB01

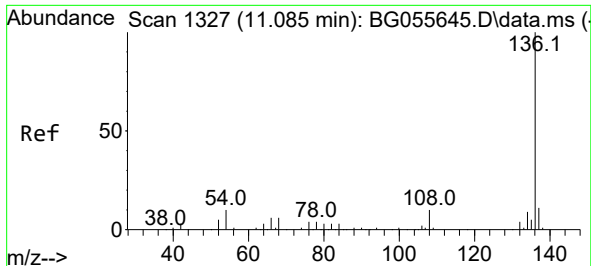
Tgt Ion: 99 Resp: 264261
Ion Ratio Lower Upper
99 100
42 23.2 18.0 27.0
71 37.0 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 6.024 ng
RT: 9.393 min Scan# 1039
Delta R.T. 0.369 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

Tgt Ion: 70 Resp: 13178
Ion Ratio Lower Upper
70 100
42 60.4 55.2 82.8
101 0.0 7.1 10.7#
130 2.4 16.1 24.1#

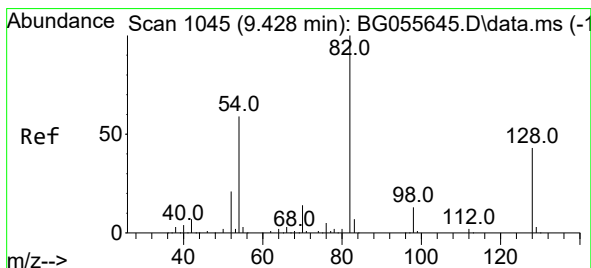
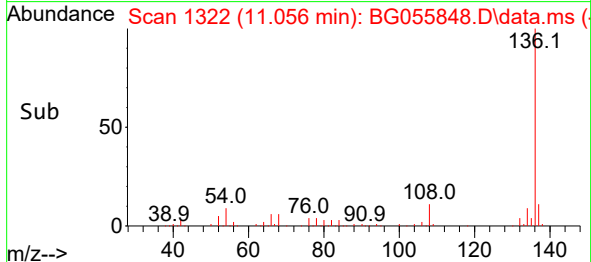
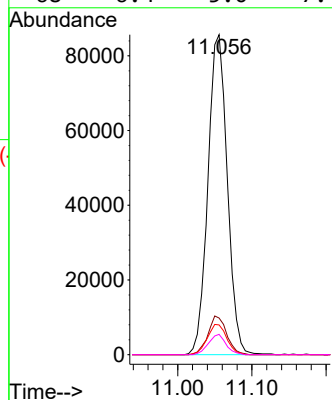
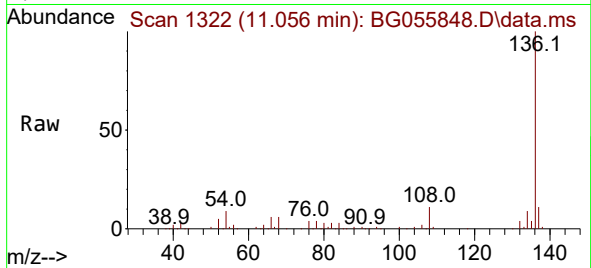




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.056 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

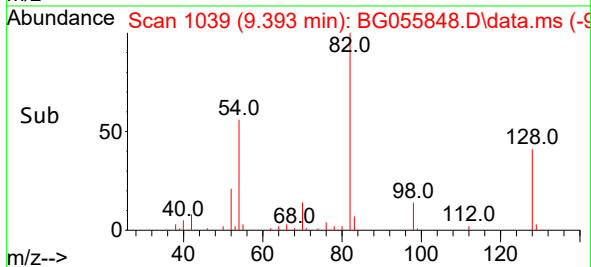
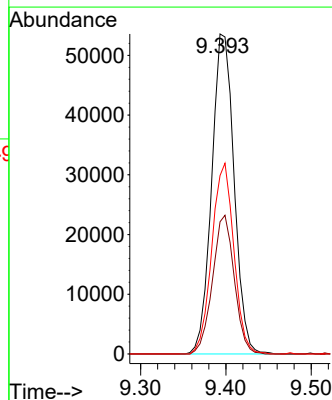
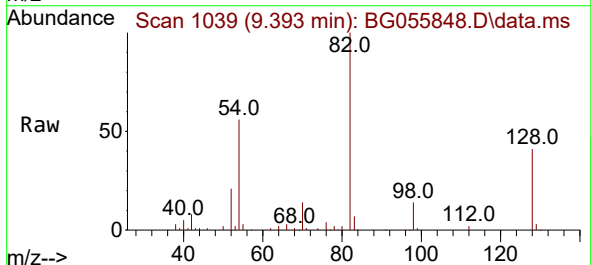
Instrument :
BNA_G
ClientSampleId :
B-40-SB01

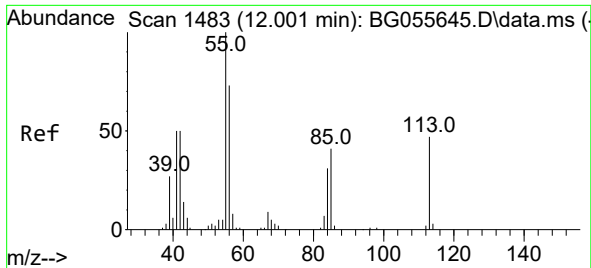
Tgt Ion:	136	Resp:	155317
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.6
54	9.3	7.8	11.6
68	6.4	5.0	7.4



#23
Nitrobenzene-d5
Concen: 33.314 ng
RT: 9.393 min Scan# 1039
Delta R.T. -0.001 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

Tgt Ion:	82	Resp:	97895
Ion Ratio	Lower	Upper	
82	100		
128	41.3	34.1	51.1
54	55.7	47.3	70.9

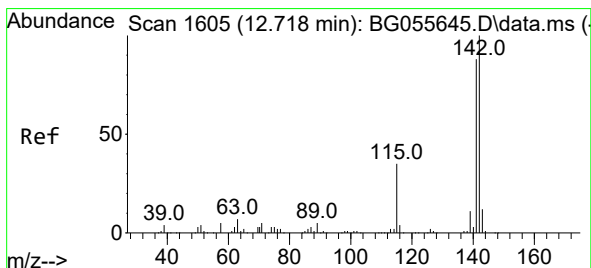
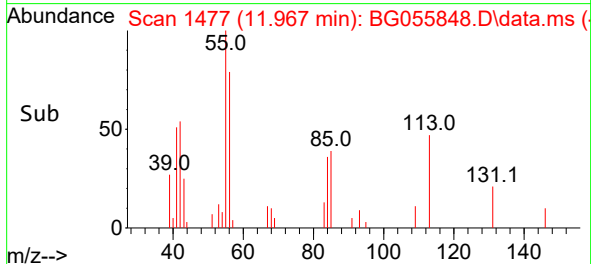
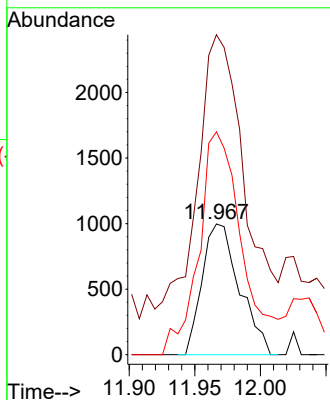
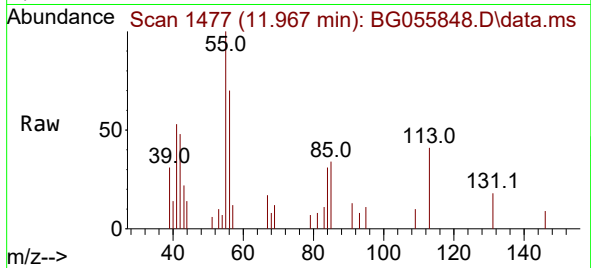




#35
Caprolactam
Concen: 2.209 ng
RT: 11.967 min Scan# 1483
Delta R.T. -0.007 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

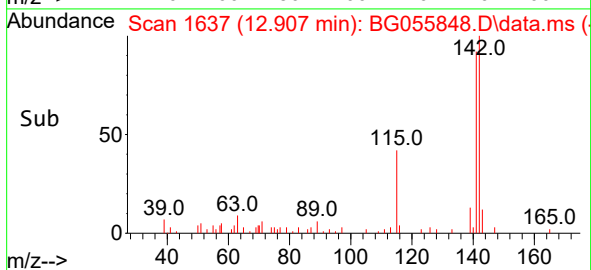
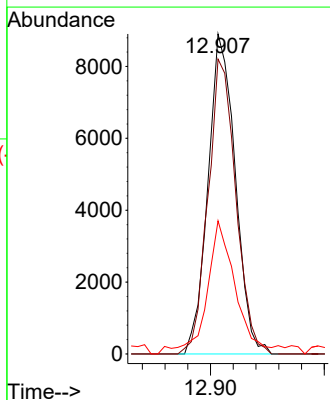
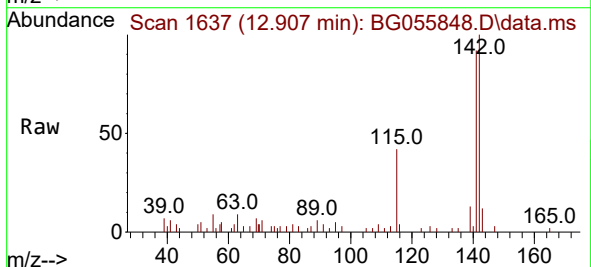
Instrument :
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ClientSampleId :
B-40-SB01

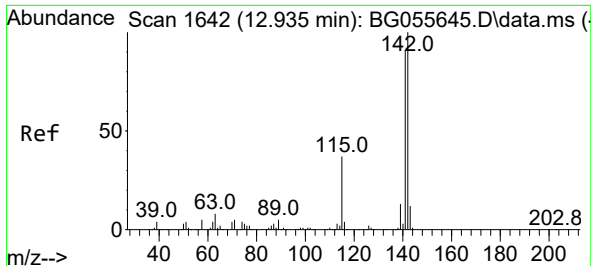
Tgt Ion:113 Resp: 1973
Ion Ratio Lower Upper
113 100
55 244.8 193.5 233.5#
56 170.5 135.2 175.2



#37
2-Methylnaphthalene
Concen: 2.358 ng
RT: 12.907 min Scan# 1637
Delta R.T. 0.216 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

Tgt Ion:142 Resp: 14824
Ion Ratio Lower Upper
142 100
141 92.2 70.3 105.5
115 41.6 27.9 41.9

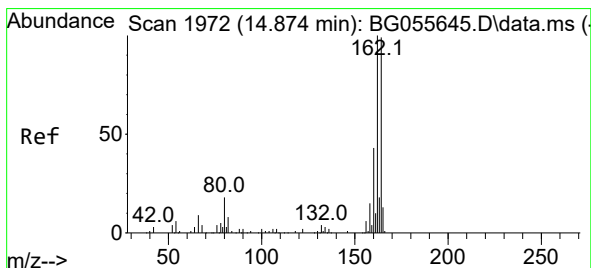
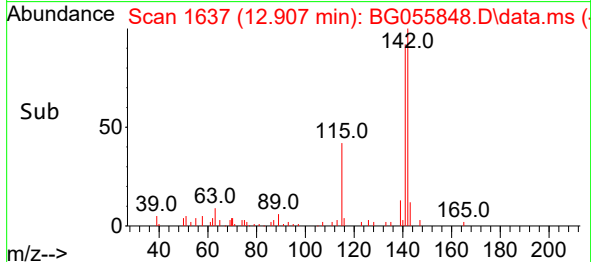
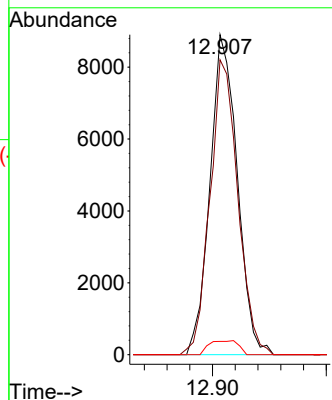
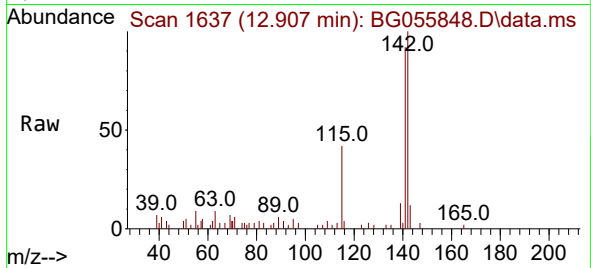




#38
1-Methylnaphthalene
Concen: 2.429 ng
RT: 12.907 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

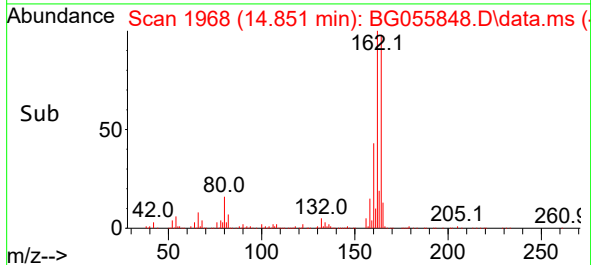
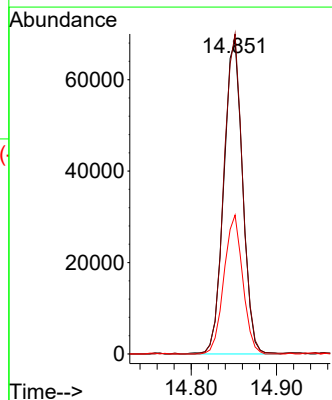
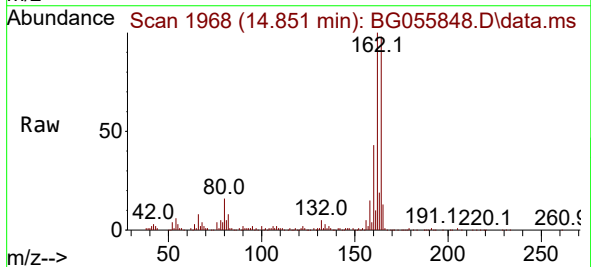
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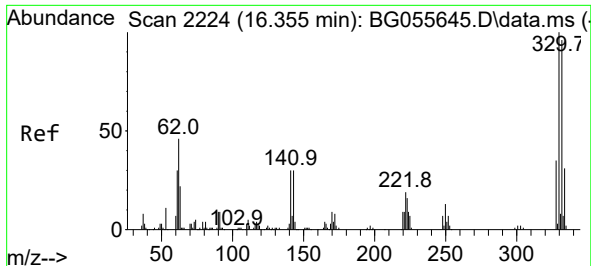
Tgt Ion:142 Resp: 14824
Ion Ratio Lower Upper
142 100
141 92.2 73.0 109.4
116 4.1 3.1 4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.851 min Scan# 1968
Delta R.T. 0.005 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

Tgt Ion:164 Resp: 105653
Ion Ratio Lower Upper
164 100
162 102.1 81.1 121.7
160 44.3 34.8 52.2

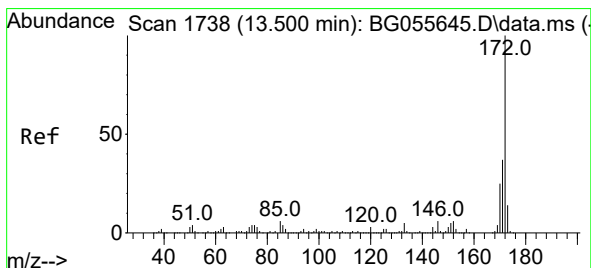
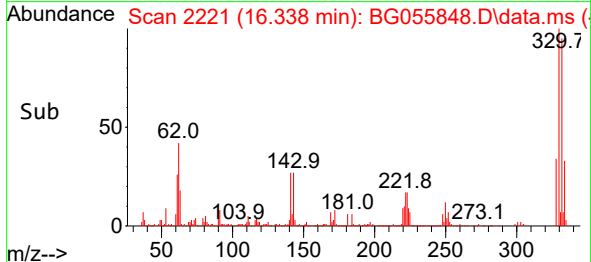
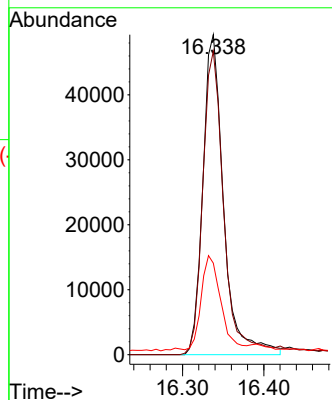
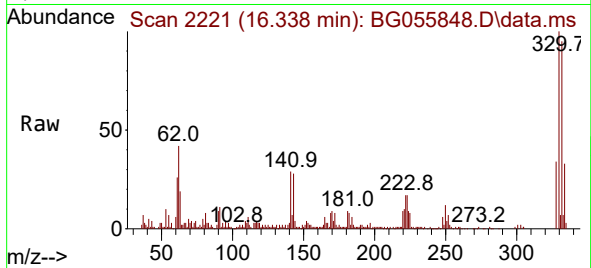




#42
2,4,6-Tribromophenol
Concen: 58.687 ng
RT: 16.338 min Scan# 21
Delta R.T. 0.010 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

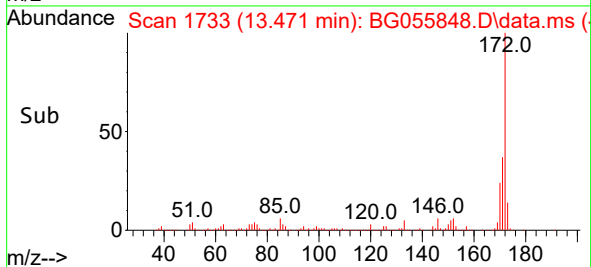
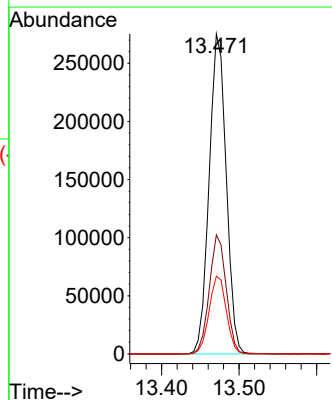
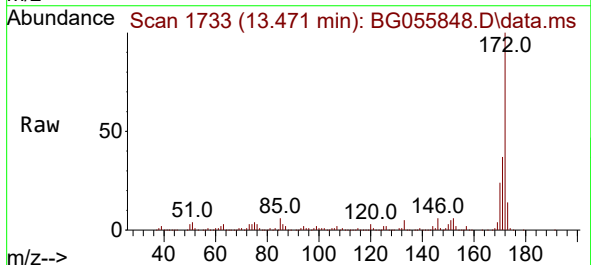
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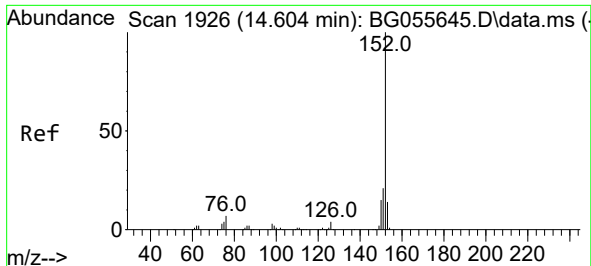
Tgt Ion:330 Resp: 87310
Ion Ratio Lower Upper
330 100
332 101.2 77.8 116.8
141 27.5 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 59.681 ng
RT: 13.471 min Scan# 1733
Delta R.T. -0.001 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

Tgt Ion:172 Resp: 420893
Ion Ratio Lower Upper
172 100
171 37.2 29.8 44.6
170 24.3 20.2 30.4

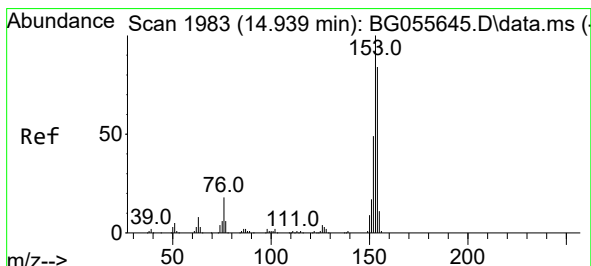
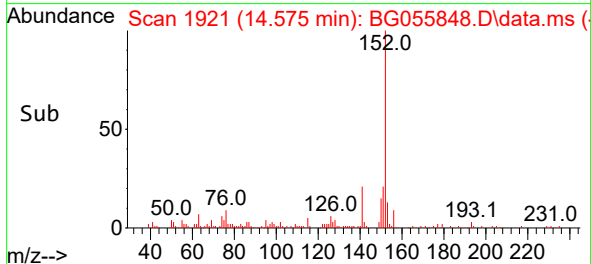
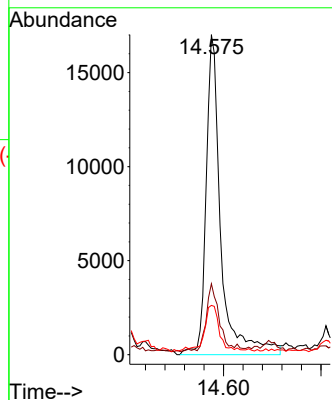
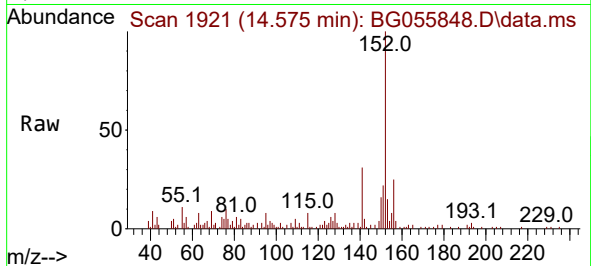




#49
Acenaphthylene
Concen: 3.599 ng
RT: 14.575 min Scan# 1921
Delta R.T. -0.001 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

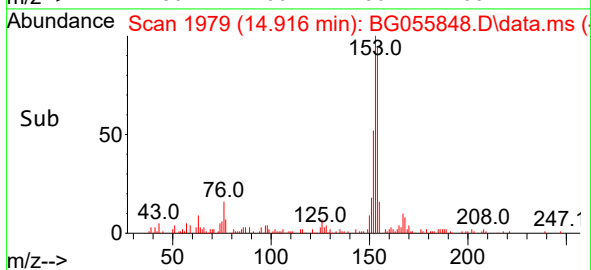
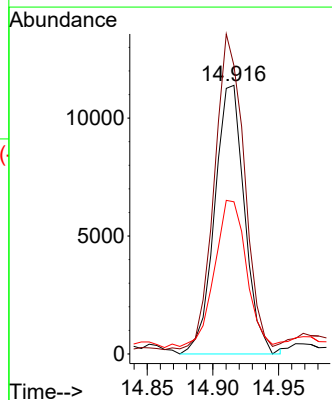
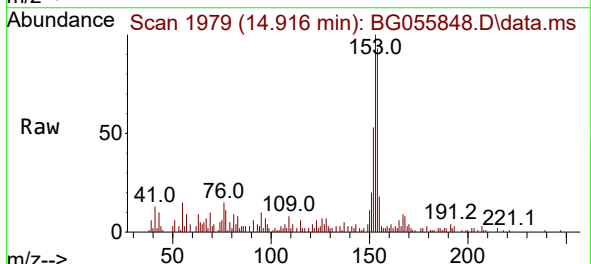
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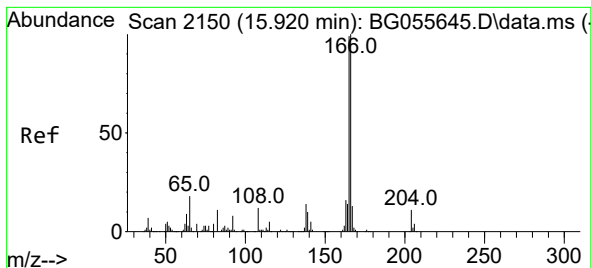
Tgt Ion:152 Resp: 35470
Ion Ratio Lower Upper
152 100
151 22.1 16.4 24.6
153 15.4 11.0 16.4



#52
Acenaphthene
Concen: 2.805 ng
RT: 14.916 min Scan# 1979
Delta R.T. 0.005 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

Tgt Ion:154 Resp: 18063
Ion Ratio Lower Upper
154 100
153 107.3 95.0 142.4
152 56.6 46.1 69.1





#58

Fluorene

Concen: 4.556 ng

RT: 15.891 min Scan# 2145

Delta R.T. 0.005 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

Instrument :

BNA_G

ClientSampleId :

B-40-SB01

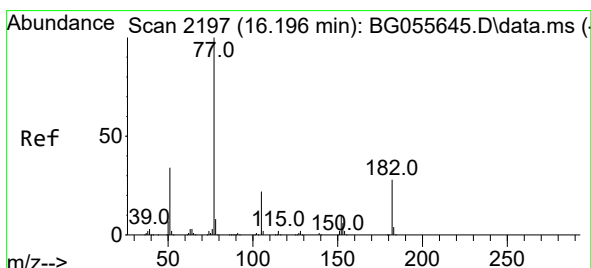
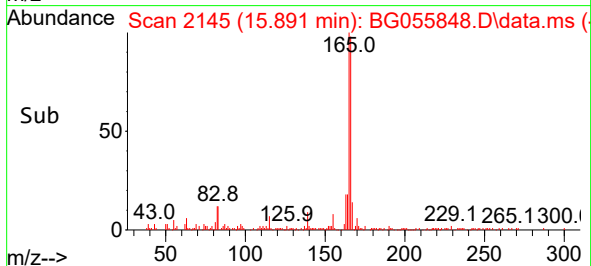
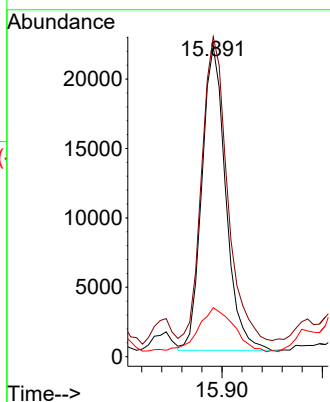
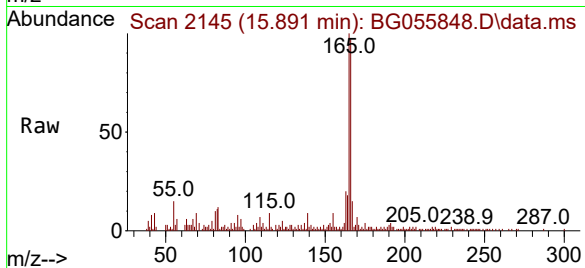
Tgt Ion:166 Resp: 36151

Ion Ratio Lower Upper

166 100

165 103.2 79.3 118.9

167 15.8 10.6 15.8



#63

Azobenzene

Concen: 12.125 ng

RT: 16.191 min Scan# 2196

Delta R.T. 0.028 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

Tgt Ion: 77 Resp: 90135

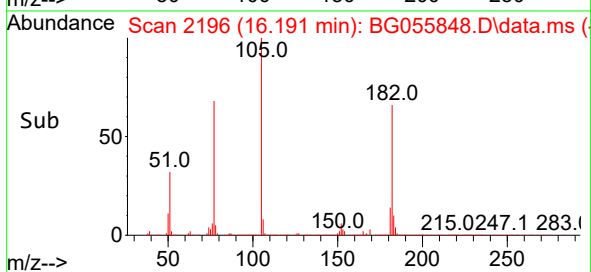
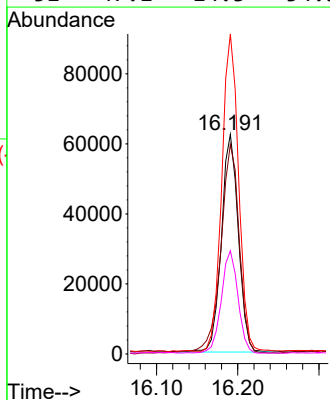
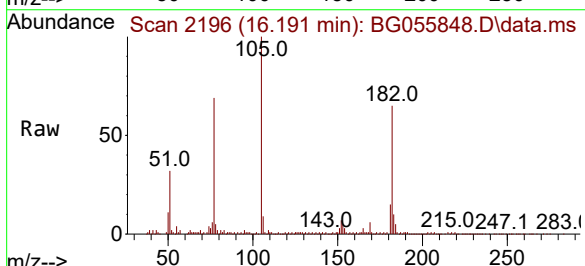
Ion Ratio Lower Upper

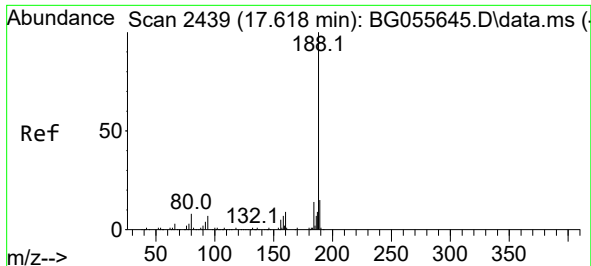
77 100

182 95.5 8.1 48.1#

105 145.8 1.8 41.8#

51 47.1 14.3 54.3

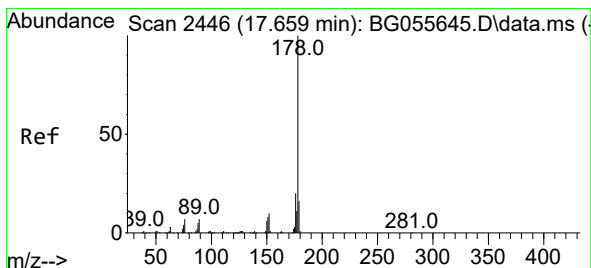
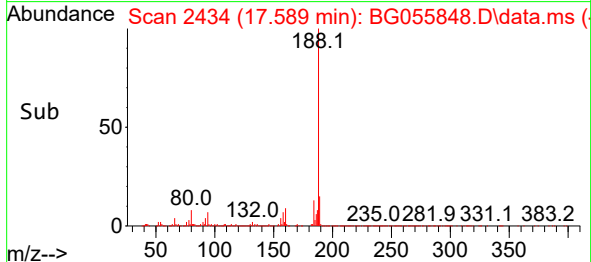
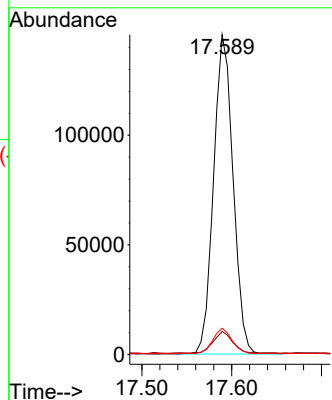
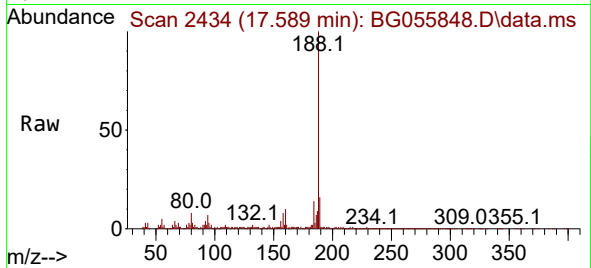




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.589 min Scan# 2439
Delta R.T. 0.005 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

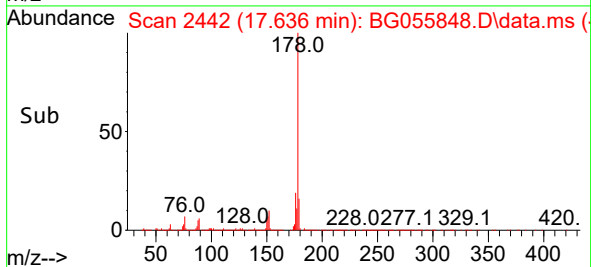
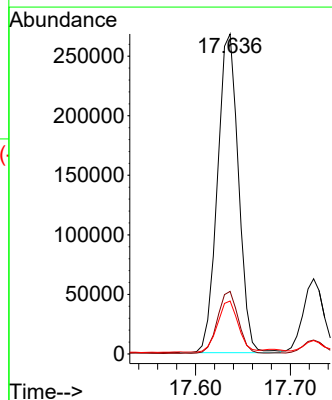
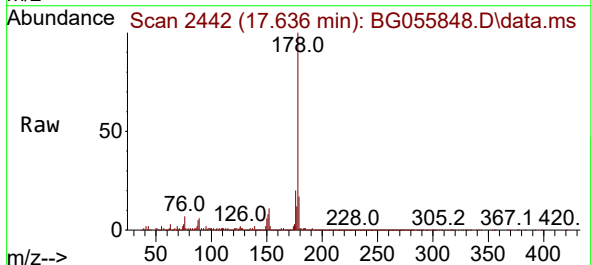
Instrument :
BNA_G
ClientSampleId :
B-40-SB01

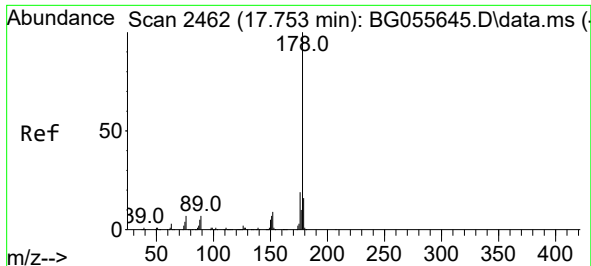
Tgt Ion:188 Resp: 218930
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.2
80 8.3 6.6 10.0



#71
Phenanthrene
Concen: 34.865 ng
RT: 17.636 min Scan# 2442
Delta R.T. 0.010 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

Tgt Ion:178 Resp: 411912
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 16.6 12.7 19.1

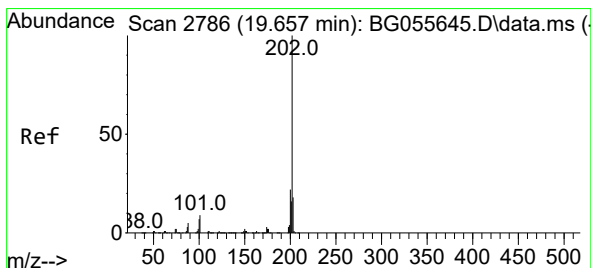
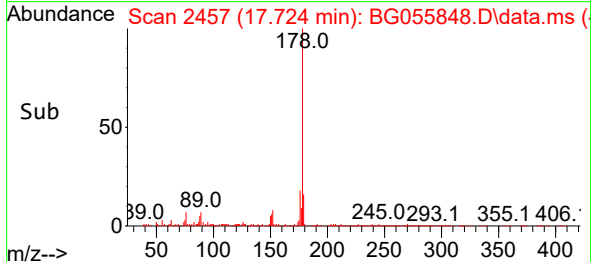
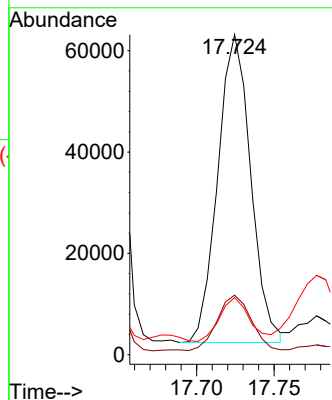
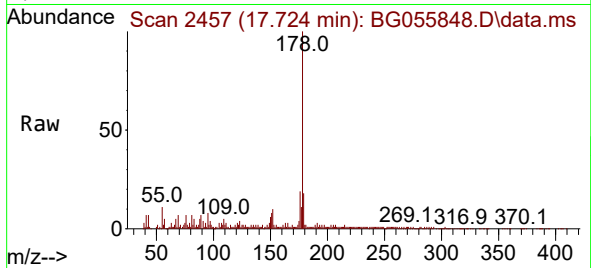




#72
 Anthracene
 Concen: 7.795 ng
 RT: 17.724 min Scan# 2462
 Delta R.T. 0.005 min
 Lab File: BG055848.D
 Acq: 30 Nov 2022 19:12

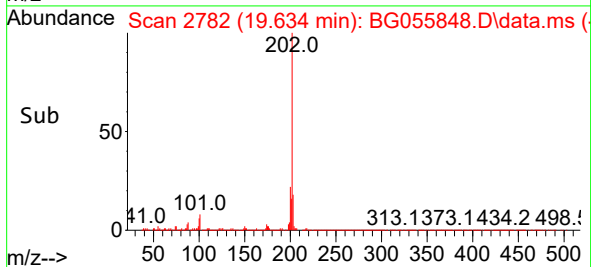
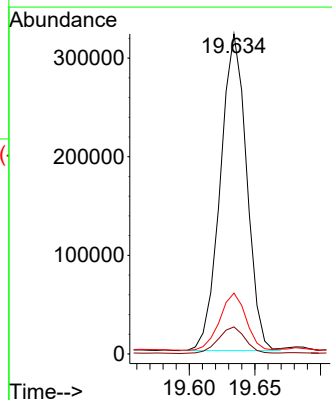
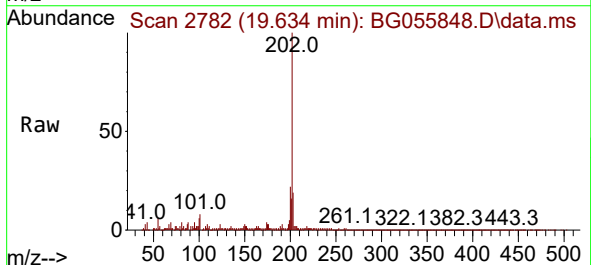
Instrument :
 BNA_G
 ClientSampleId :
 B-40-SB01

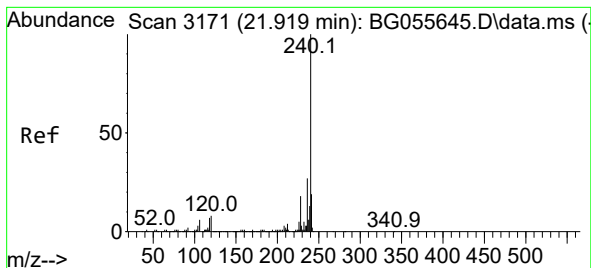
Tgt Ion:178 Resp: 89479
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.5 23.3
 179 17.9 12.5 18.7



#75
 Fluoranthene
 Concen: 31.181 ng
 RT: 19.634 min Scan# 2782
 Delta R.T. 0.010 min
 Lab File: BG055848.D
 Acq: 30 Nov 2022 19:12

Tgt Ion:202 Resp: 448172
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 28.8
 203 19.0 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.884 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

Instrument :

BNA_G

ClientSampleId :

B-40-SB01

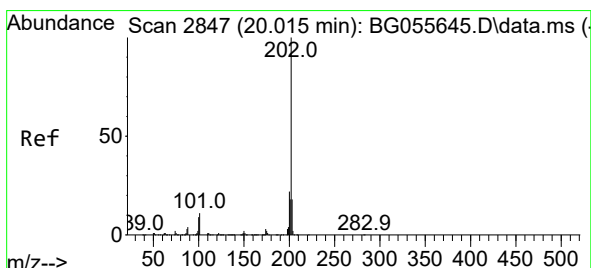
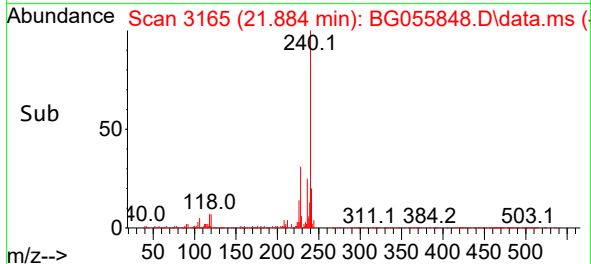
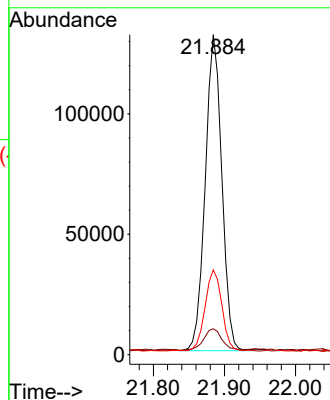
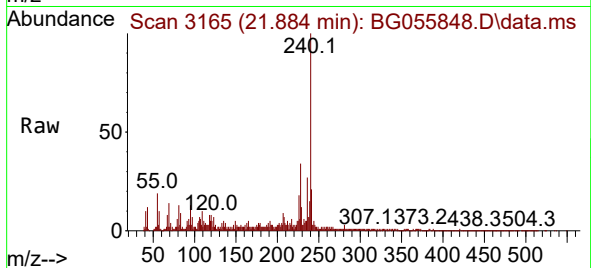
Tgt Ion:240 Resp: 213578

Ion Ratio Lower Upper

240 100

120 8.1 6.3 9.5

236 26.5 21.9 32.9



#78

Pyrene

Concen: 52.420 ng

RT: 19.998 min Scan# 2844

Delta R.T. 0.010 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

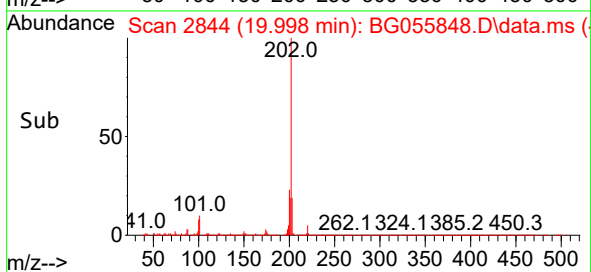
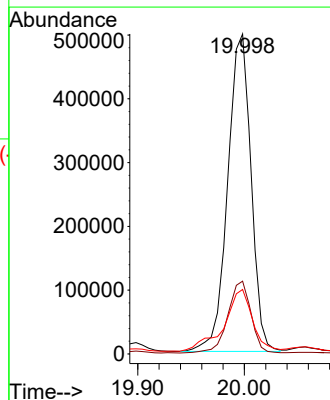
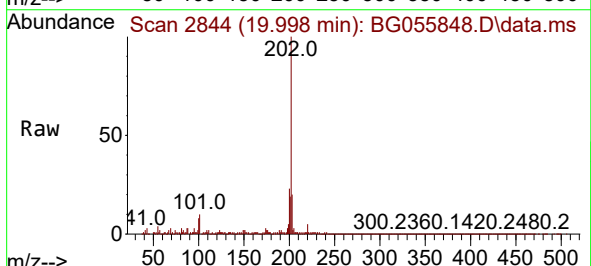
Tgt Ion:202 Resp: 757815

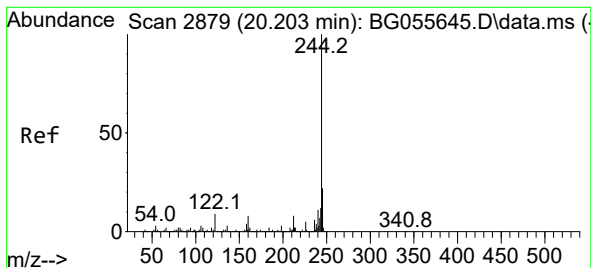
Ion Ratio Lower Upper

202 100

200 22.8 17.8 26.6

203 20.2 14.4 21.6





#79

Terphenyl-d14

Concen: 56.140 ng

RT: 20.175 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

Instrument :

BNA_G

ClientSampleId :

B-40-SB01

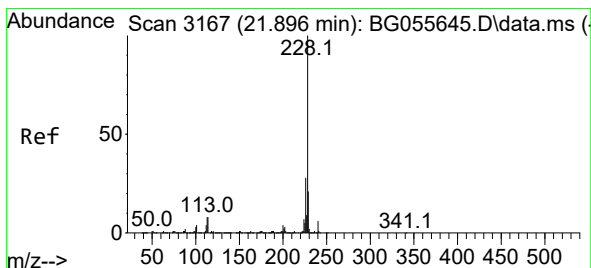
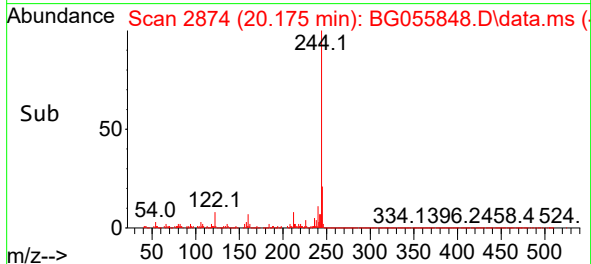
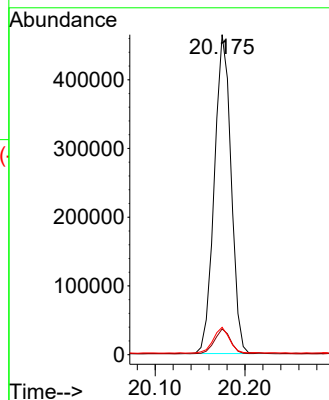
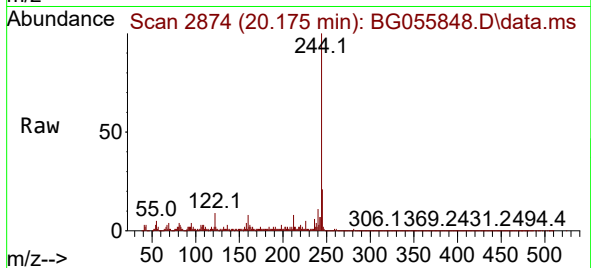
Tgt Ion:244 Resp: 599473

Ion Ratio Lower Upper

244 100

212 8.0 6.3 9.5

122 8.5 6.9 10.3



#81

Benzo(a)anthracene

Concen: 21.334 ng

RT: 21.867 min Scan# 3162

Delta R.T. 0.010 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

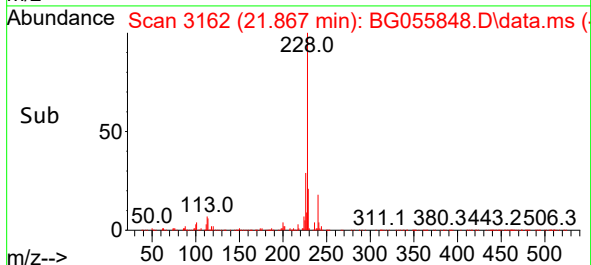
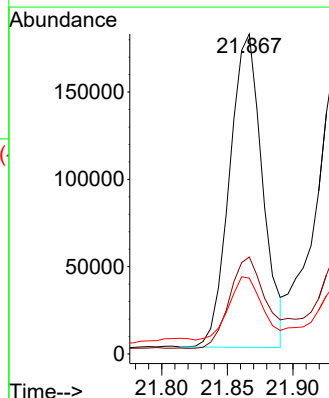
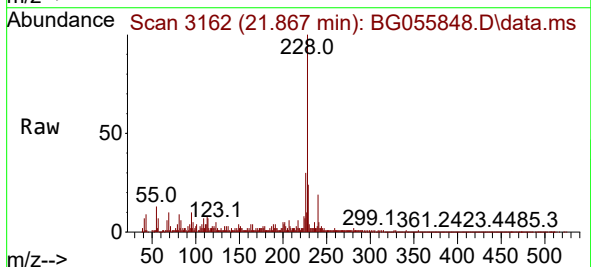
Tgt Ion:228 Resp: 313825

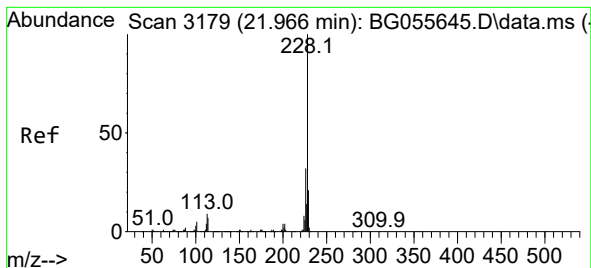
Ion Ratio Lower Upper

228 100

226 30.3 22.7 34.1

229 23.7 16.5 24.7





#83

Chrysene

Concen: 22.077 ng

RT: 21.931 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

Instrument :

BNA_G

ClientSampleId :

B-40-SB01

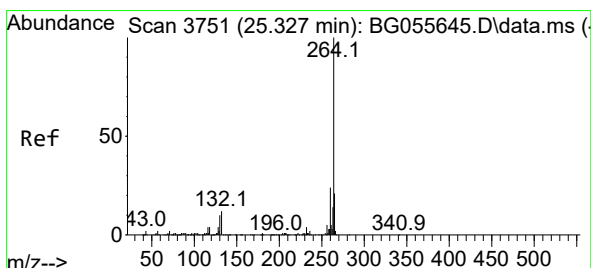
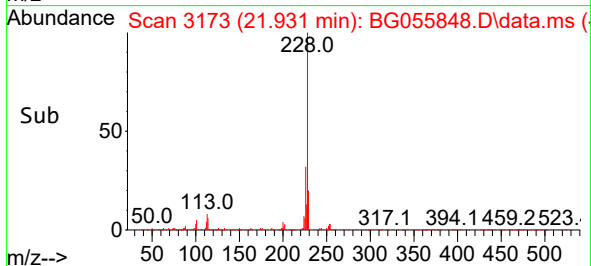
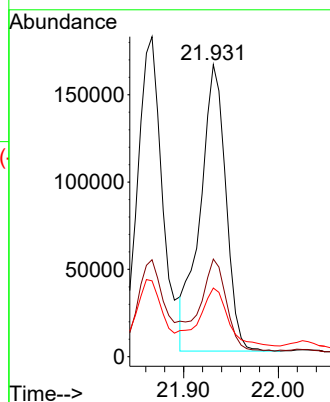
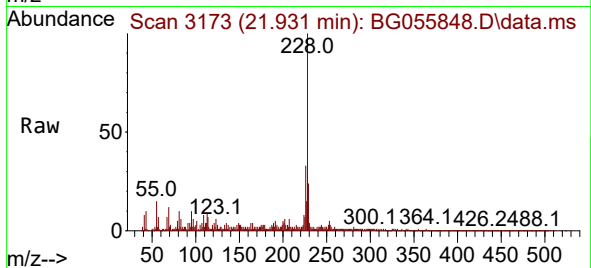
Tgt Ion:228 Resp: 309168

Ion Ratio Lower Upper

228 100

226 33.4 25.4 38.2

229 23.5 17.1 25.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.280 min Scan# 3743

Delta R.T. 0.022 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

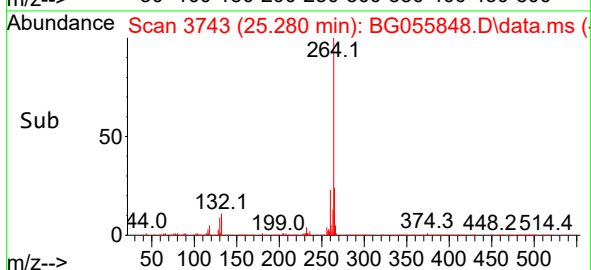
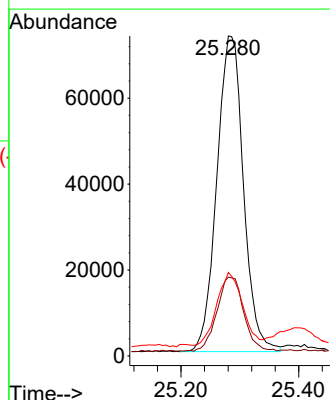
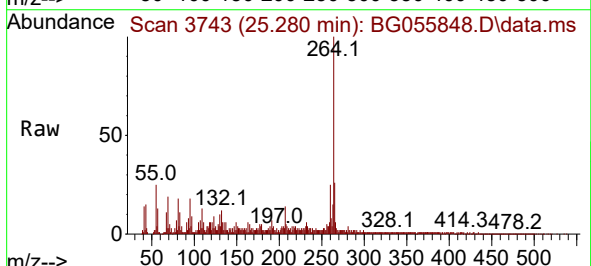
Tgt Ion:264 Resp: 231057

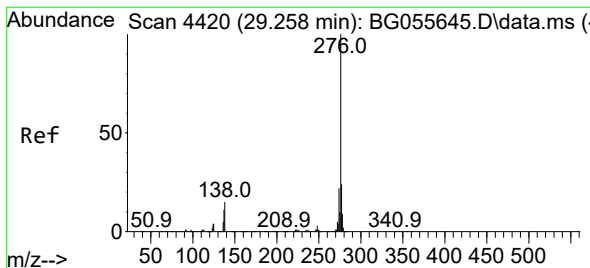
Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 26.1 17.1 25.7#





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.737 ng

RT: 29.193 min Scan# 4420

Delta R.T. 0.022 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

Instrument :

BNA_G

ClientSampleId :

B-40-SB01

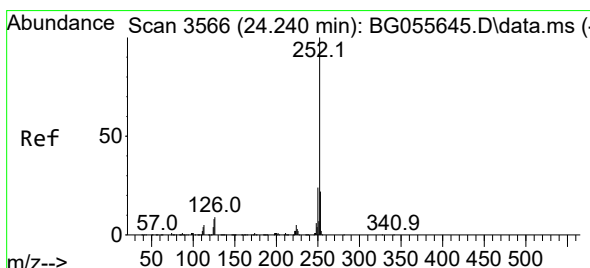
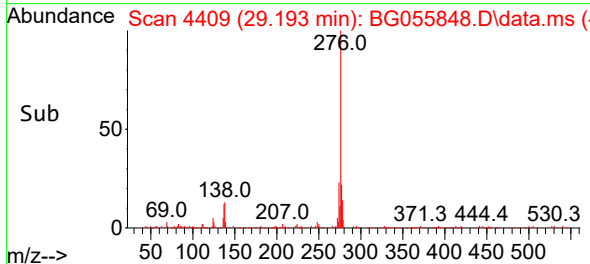
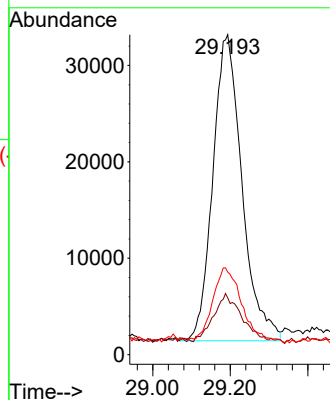
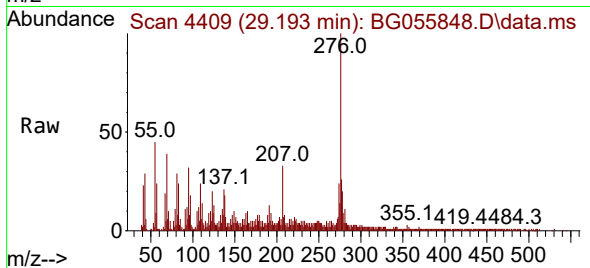
Tgt Ion:276 Resp: 165380

Ion Ratio Lower Upper

276 100

138 17.0 10.4 15.6#

277 22.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 22.700 ng

RT: 24.199 min Scan# 3559

Delta R.T. 0.022 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

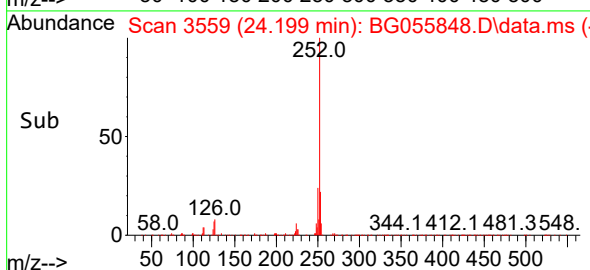
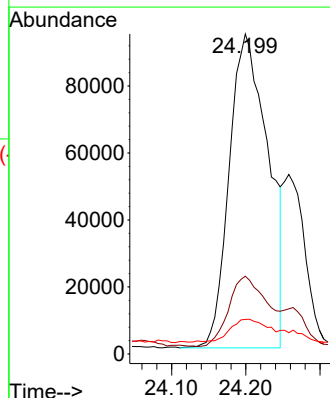
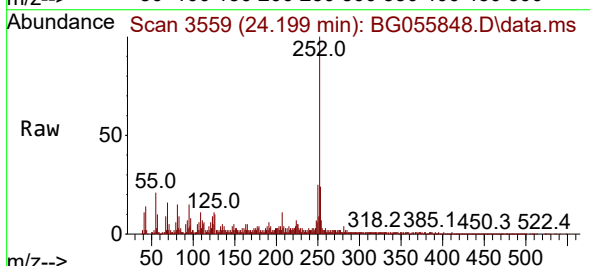
Tgt Ion:252 Resp: 341589

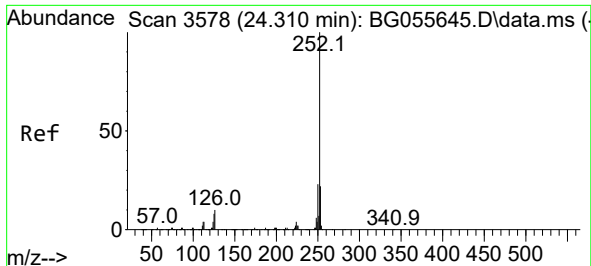
Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

125 10.8 6.2 9.2#

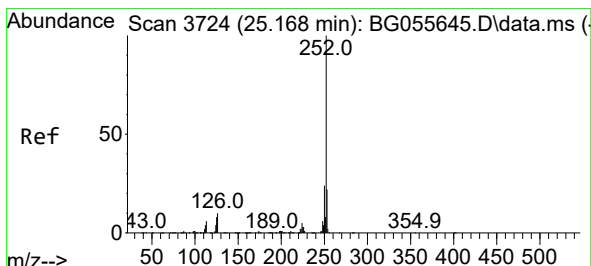
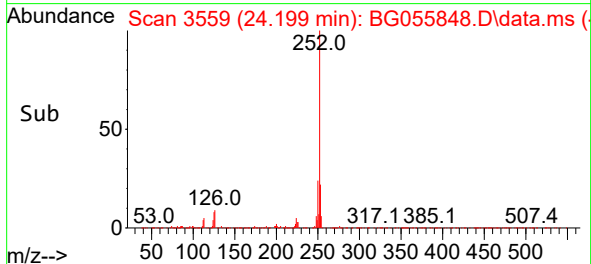
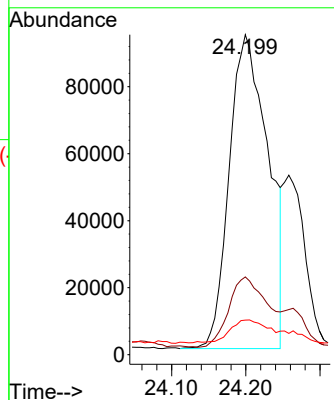
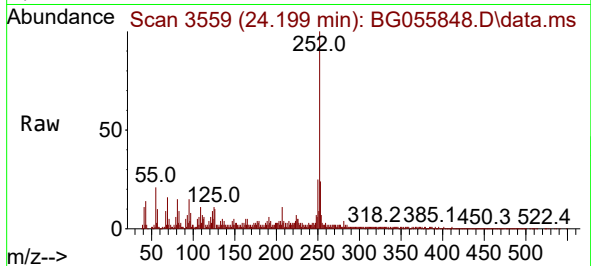




#89
Benzo(k)fluoranthene
Concen: 22.773 ng
RT: 24.199 min Scan# 31
Delta R.T. -0.054 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

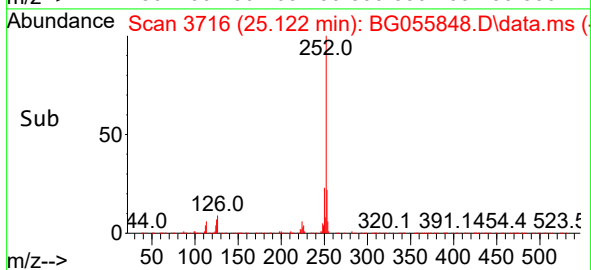
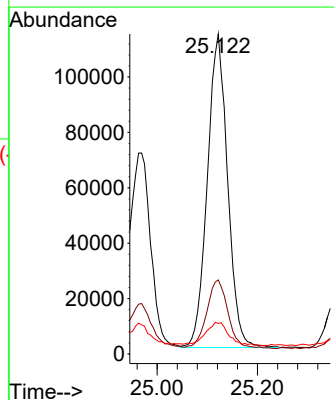
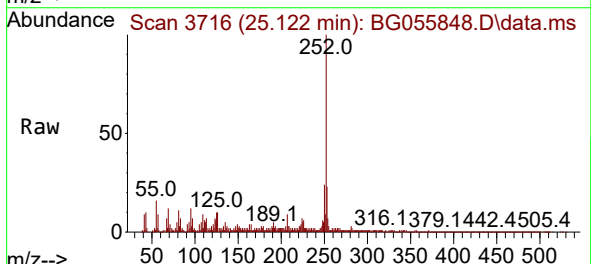
Instrument :
BNA_G
ClientSampleId :
B-40-SB01

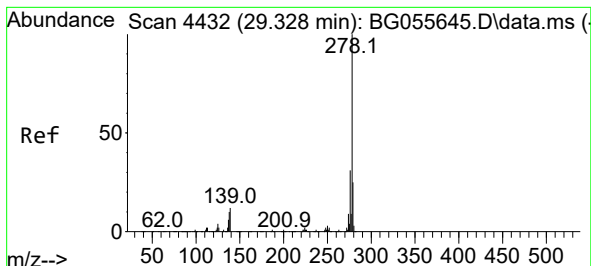
Tgt Ion:252 Resp: 341589
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 10.8 6.1 9.1#



#90
Benzo(a)pyrene
Concen: 24.588 ng
RT: 25.122 min Scan# 3716
Delta R.T. 0.022 min
Lab File: BG055848.D
Acq: 30 Nov 2022 19:12

Tgt Ion:252 Resp: 317502
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 9.6 6.4 9.6





#91

Dibenzo(a,h)anthracene

Concen: 3.160 ng

RT: 29.223 min Scan# 4414

Delta R.T. -0.001 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

Instrument :

BNA_G

ClientSampleId :

B-40-SB01

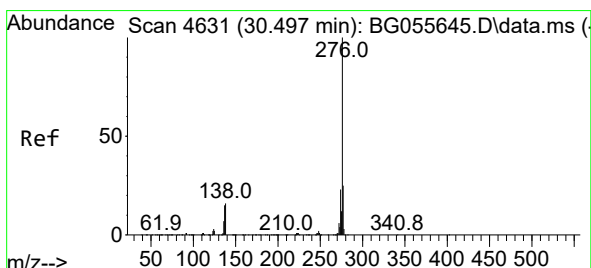
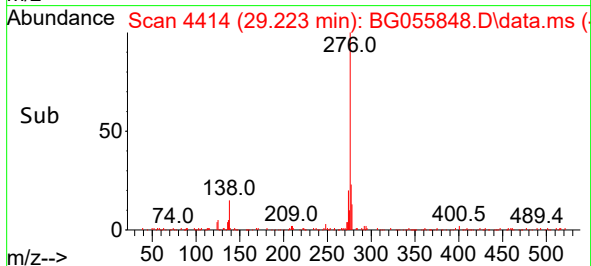
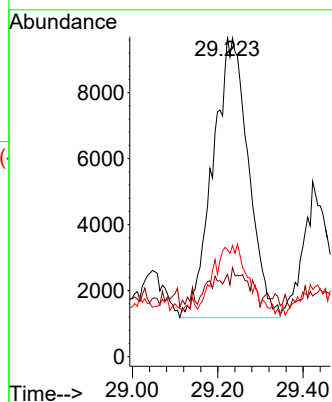
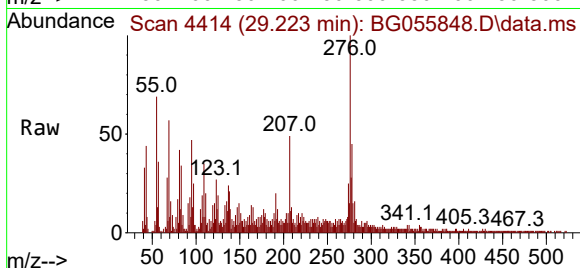
Tgt Ion:278 Resp: 48877

Ion Ratio Lower Upper

278 100

139 25.7 9.8 14.8#

279 33.4 19.8 29.6#



#92

Benzo(g,h,i)perylene

Concen: 11.805 ng

RT: 30.415 min Scan# 4617

Delta R.T. 0.016 min

Lab File: BG055848.D

Acq: 30 Nov 2022 19:12

Tgt Ion:276 Resp: 184038

Ion Ratio Lower Upper

276 100

277 26.6 19.8 29.6

138 16.9 13.1 19.7

