

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
 Data File : BG055851.D
 Acq On : 30 Nov 2022 21:16
 Operator : CG/JU
 Sample : N5792-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-112822

Quant Time: Dec 01 02:15:06 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

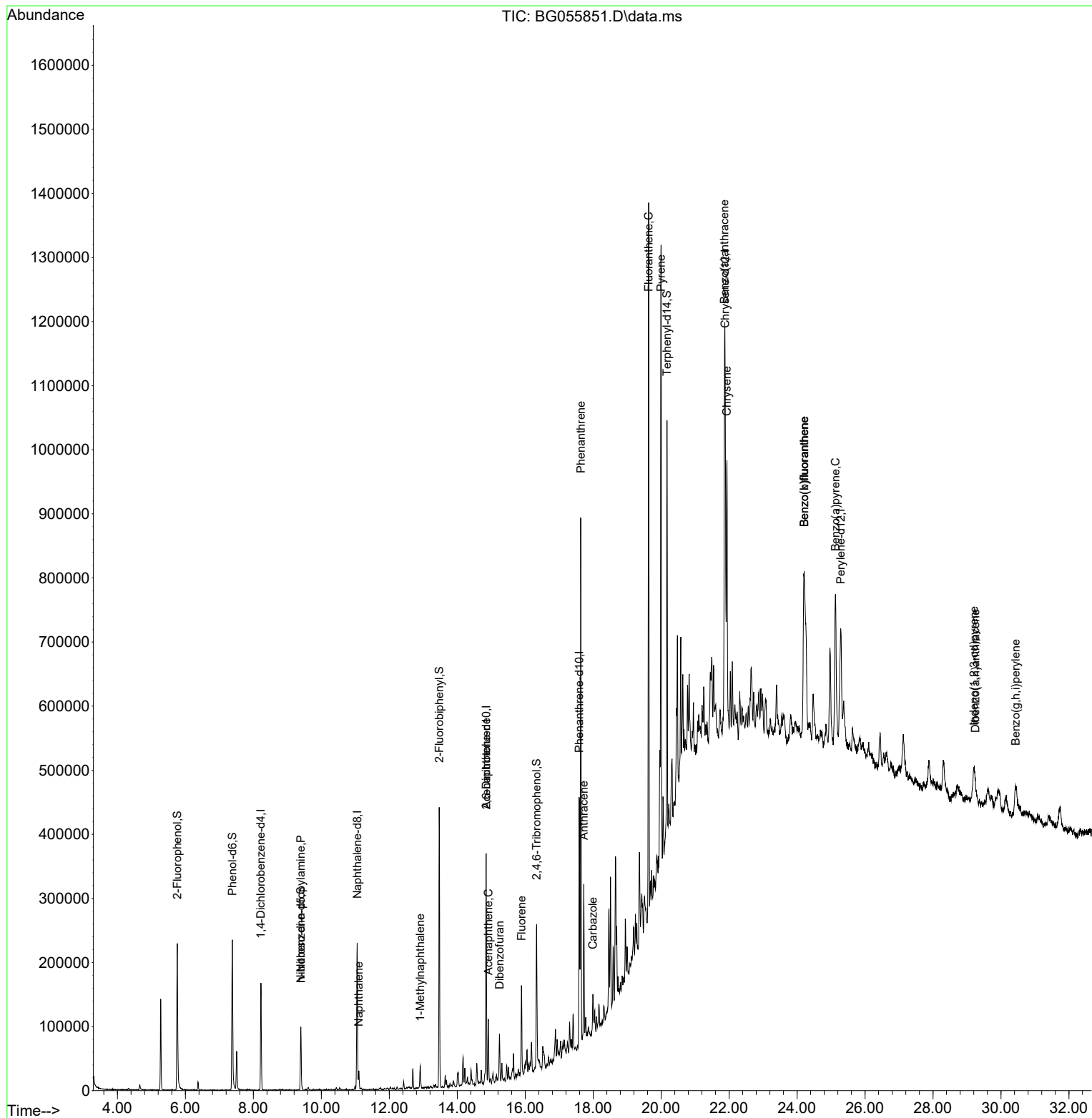
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	48137	20.000	ng	0.00
21) Naphthalene-d8	11.055	136	191385	20.000	ng	0.00
39) Acenaphthene-d10	14.850	164	127153	20.000	ng	0.00
64) Phenanthrene-d10	17.588	188	269102	20.000	ng	0.00
76) Chrysene-d12	21.883	240	252802	20.000	ng	0.00
86) Perylene-d12	25.285	264	249867	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.761	112	118740	44.586	ng	0.00
7) Phenol-d6	7.383	99	151363	42.697	ng	0.00
23) Nitrobenzene-d5	9.398	82	57401	15.852	ng	0.00
42) 2,4,6-Tribromophenol	16.337	330	51097	28.538	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	221314	26.075	ng	0.00
79) Terphenyl-d14	20.173	244	304021	24.054	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.398	70	8206	3.013	ng	# 73
31) Naphthalene	11.102	128	23779	2.298	ng	99
38) 1-Methylnaphthalene	12.911	142	17337	2.305	ng	91
51) 2,6-Dinitrotoluene	14.850	165	18992	9.164	ng	# 27
52) Acenaphthene	14.915	154	35335	4.559	ng	99
55) Dibenzofuran	15.244	168	40847	3.416	ng	96
58) Fluorene	15.890	166	64584	6.762	ng	95
71) Phenanthrene	17.635	178	518628	35.714	ng	99
72) Anthracene	17.723	178	164662	11.670	ng	99
73) Carbazole	17.994	167	37526	2.958	ng	97
75) Fluoranthene	19.633	202	706325	39.980	ng	99
78) Pyrene	19.997	202	671256	39.228	ng	98
81) Benzo(a)anthracene	21.866	228	384986	22.110	ng	97
83) Chrysene	21.936	228	331823	20.018	ng	97
87) Indeno(1,2,3-cd)pyrene	29.204	276	132143	6.456	ng	97
88) Benzo(b)fluoranthene	24.210	252	412462	25.347	ng	# 94
89) Benzo(k)fluoranthene	24.210	252	412462	25.428	ng	# 94
90) Benzo(a)pyrene	25.126	252	310909	22.265	ng	# 92
91) Dibenzo(a,h)anthracene	29.245	278	36093	2.158	ng	# 69
92) Benzo(g,h,i)perylene	30.438	276	124606	7.391	ng	96

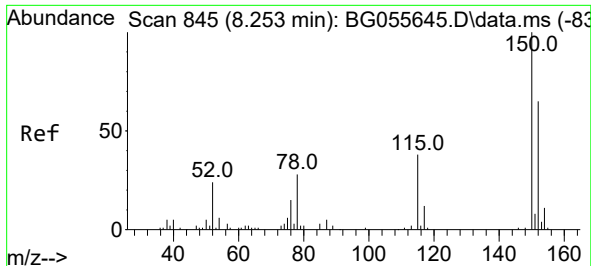
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
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OR-02-112822

Quant Time: Dec 01 02:15:06 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

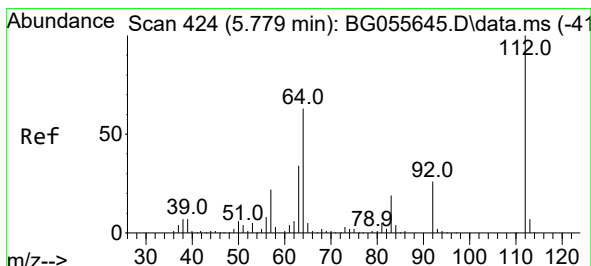
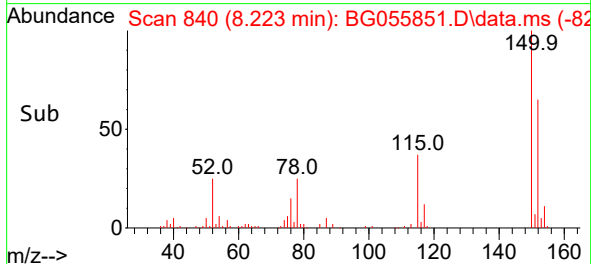
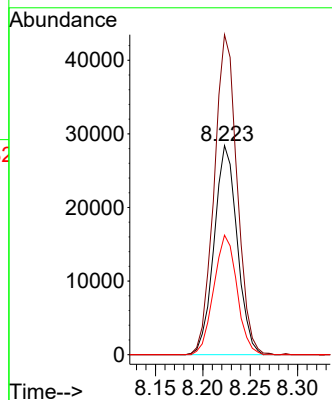
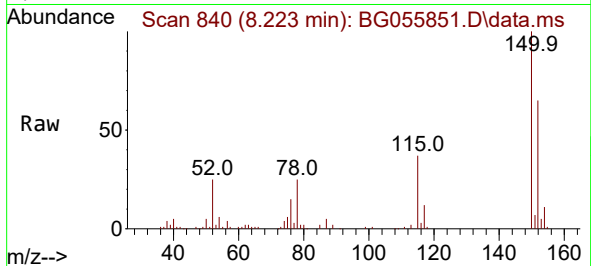




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

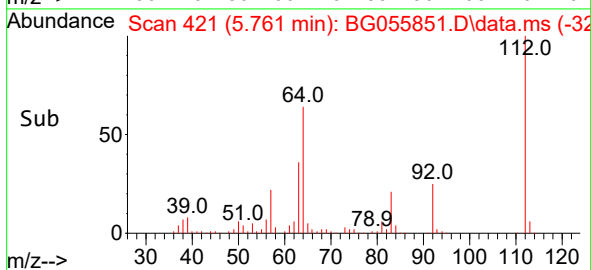
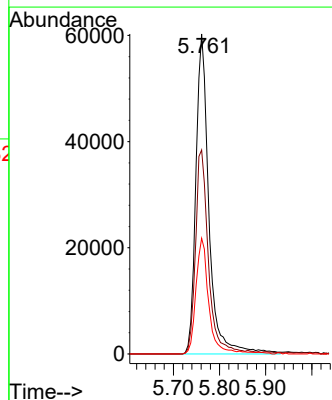
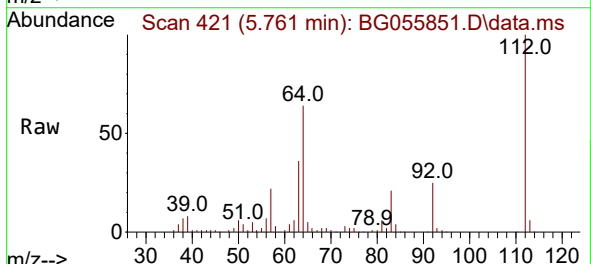
Instrument :
BNA_G
ClientSampleId :
OR-02-112822

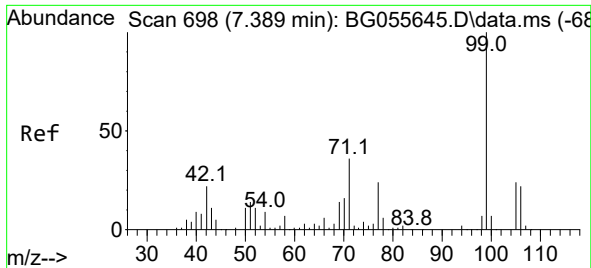
Tgt Ion:152 Resp: 48137
Ion Ratio Lower Upper
152 100
150 153.0 123.0 184.6
115 57.2 47.0 70.4



#5
2-Fluorophenol
Concen: 44.586 ng
RT: 5.761 min Scan# 421
Delta R.T. 0.009 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

Tgt Ion:112 Resp: 118740
Ion Ratio Lower Upper
112 100
64 63.8 50.6 76.0
63 36.2 27.5 41.3

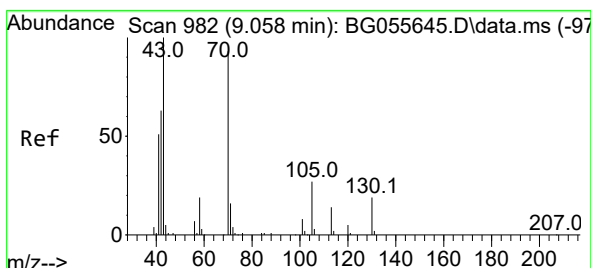
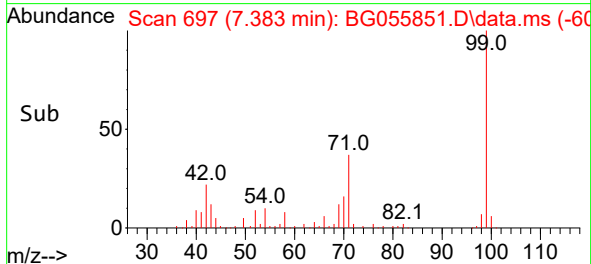
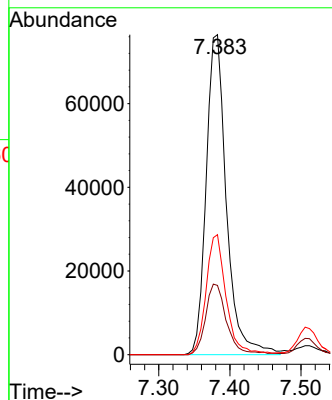
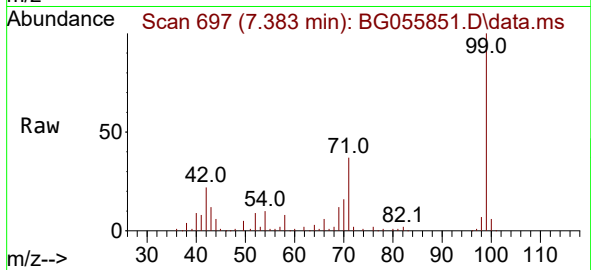




#7
Phenol-d6
Concen: 42.697 ng
RT: 7.383 min Scan# 61
Delta R.T. 0.009 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

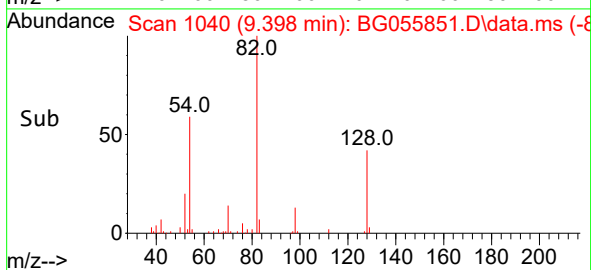
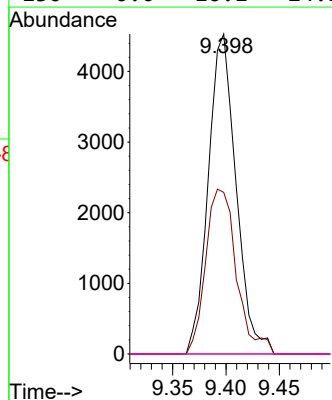
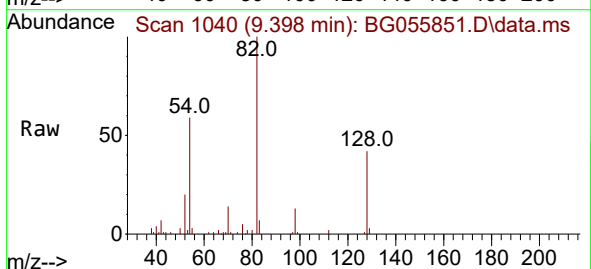
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ClientSampleId :
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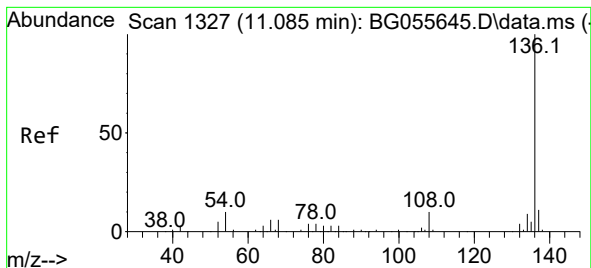
Tgt Ion: 99 Resp: 151363
Ion Ratio Lower Upper
99 100
42 21.7 18.0 27.0
71 37.5 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 3.013 ng
RT: 9.398 min Scan# 1040
Delta R.T. 0.374 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

Tgt Ion: 70 Resp: 8206
Ion Ratio Lower Upper
70 100
42 50.5 55.2 82.8#
101 0.0 7.1 10.7#
130 0.0 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.055 min Scan# 11

Delta R.T. 0.004 min

Lab File: BG055851.D

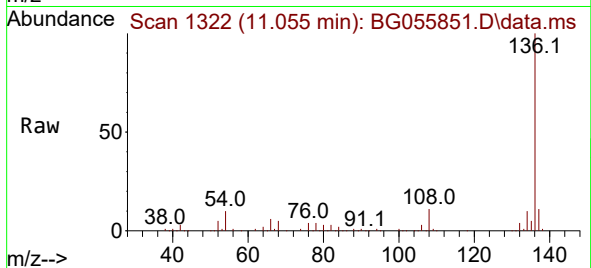
Acq: 30 Nov 2022 21:16

Instrument :

BNA_G

ClientSampleId :

OR-02-112822



Tgt Ion:136 Resp: 191385

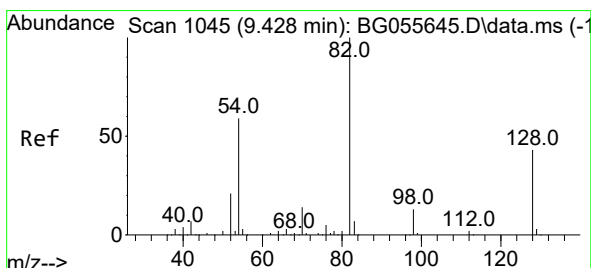
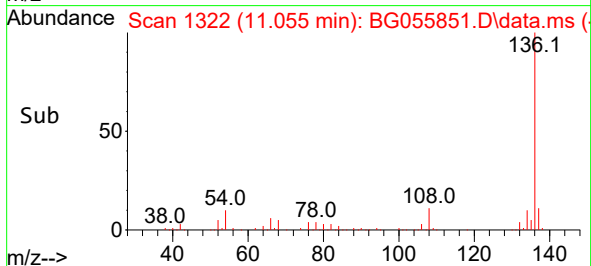
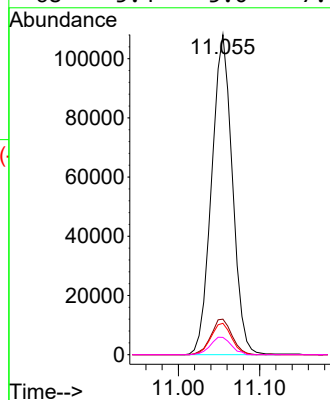
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 9.8 7.8 11.6

68 5.4 5.0 7.4



#23

Nitrobenzene-d5

Concen: 15.852 ng

RT: 9.398 min Scan# 1040

Delta R.T. 0.004 min

Lab File: BG055851.D

Acq: 30 Nov 2022 21:16

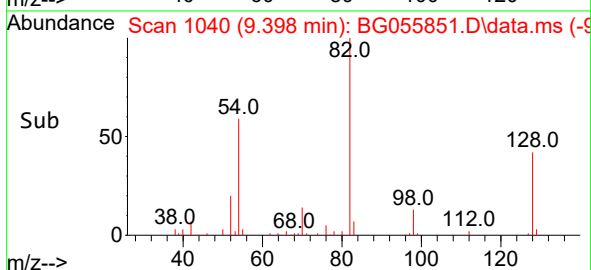
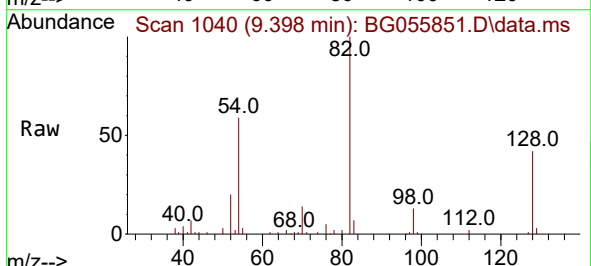
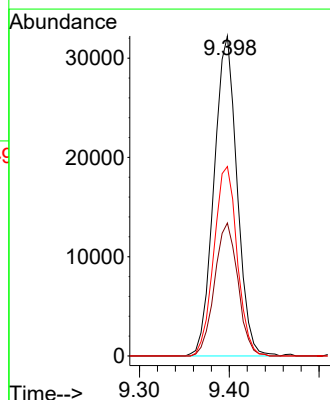
Tgt Ion: 82 Resp: 57401

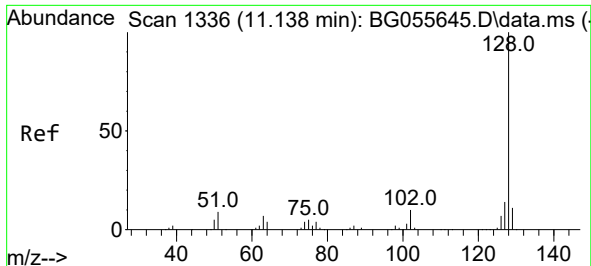
Ion Ratio Lower Upper

82 100

128 41.6 34.1 51.1

54 59.2 47.3 70.9

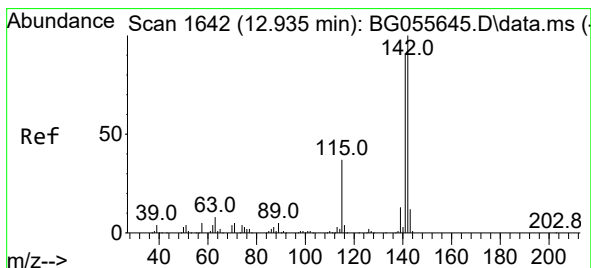
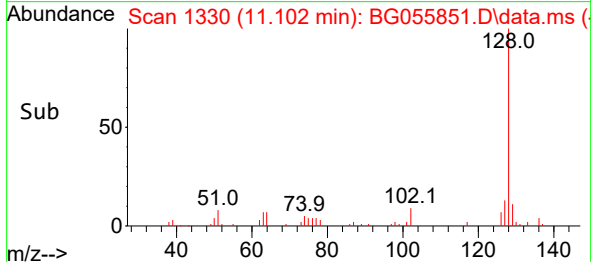
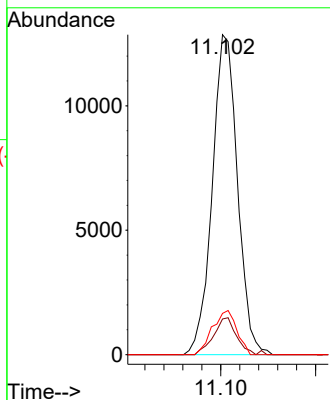
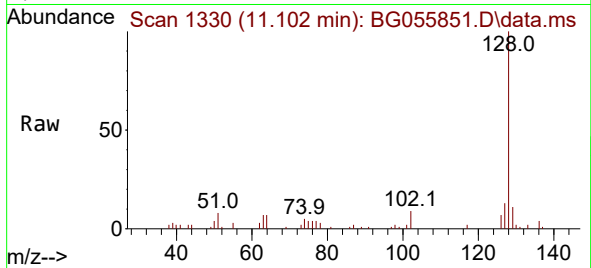




#31
Naphthalene
Concen: 2.298 ng
RT: 11.102 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

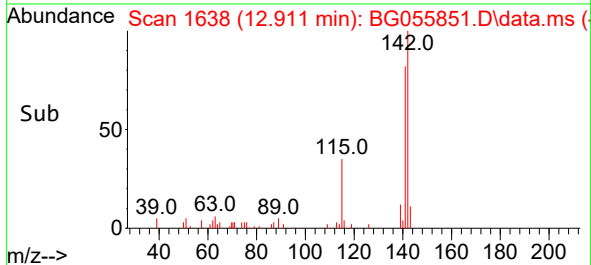
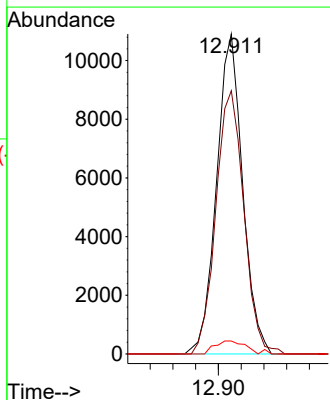
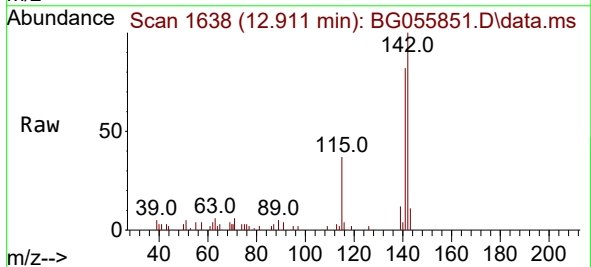
Instrument :
BNA_G
ClientSampleId :
OR-02-112822

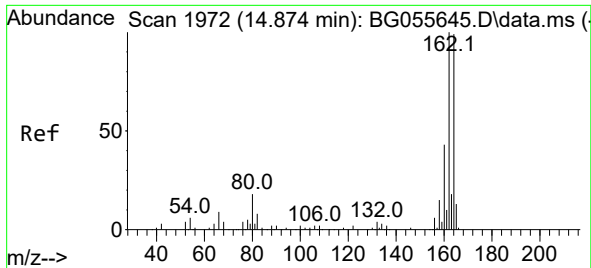
Tgt Ion:128 Resp: 23779
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 12.9 10.9 16.3



#38
1-Methylnaphthalene
Concen: 2.305 ng
RT: 12.911 min Scan# 1638
Delta R.T. 0.004 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

Tgt Ion:142 Resp: 17337
Ion Ratio Lower Upper
142 100
141 82.3 73.0 109.4
116 4.1 3.1 4.7

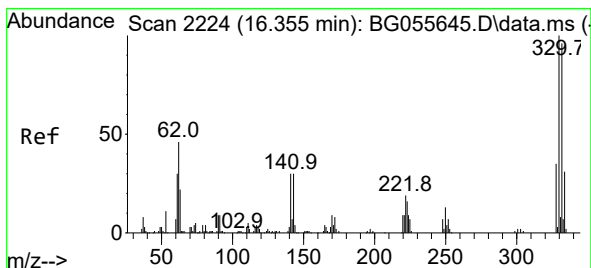
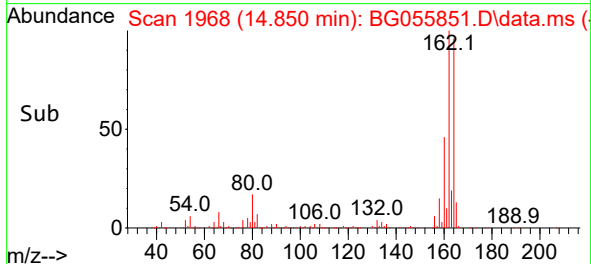
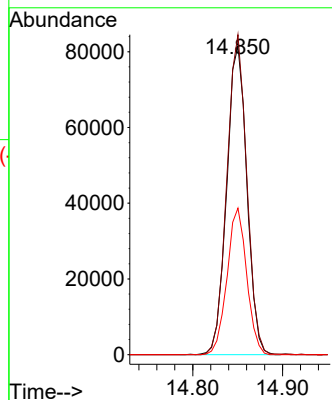
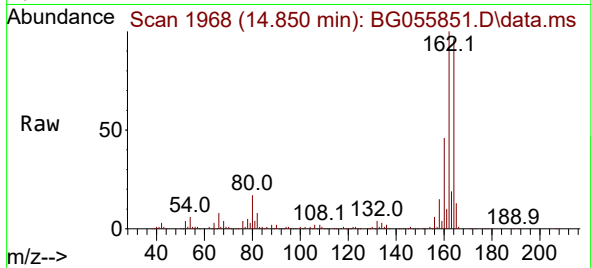




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.850 min Scan# 1972
Delta R.T. 0.004 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

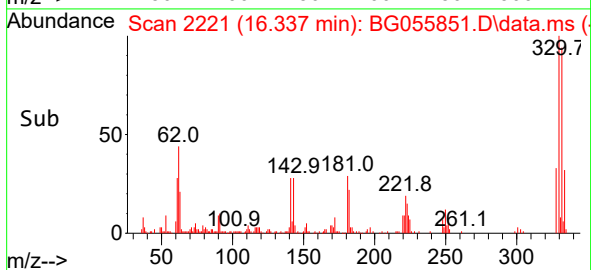
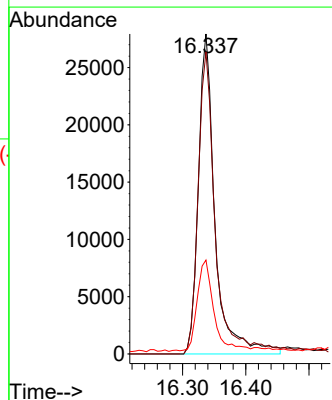
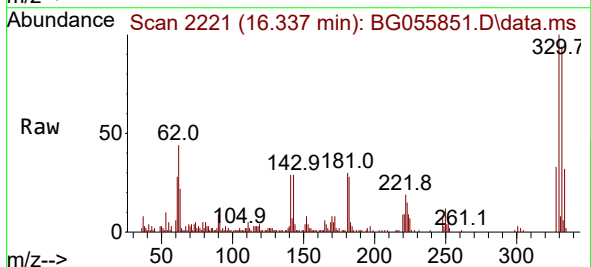
Instrument :
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OR-02-112822

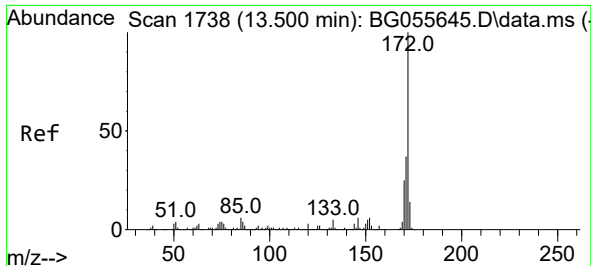
Tgt Ion:164 Resp: 127153
Ion Ratio Lower Upper
164 100
162 103.7 81.1 121.7
160 47.5 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 28.538 ng
RT: 16.337 min Scan# 2221
Delta R.T. 0.009 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

Tgt Ion:330 Resp: 51097
Ion Ratio Lower Upper
330 100
332 93.4 77.8 116.8
141 28.8 23.9 35.9

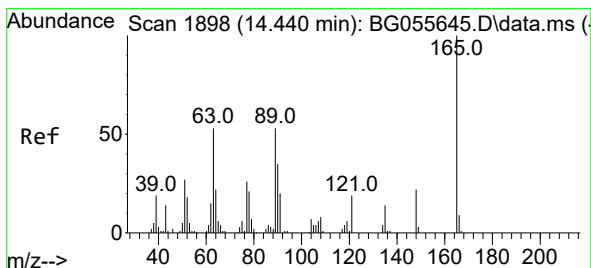
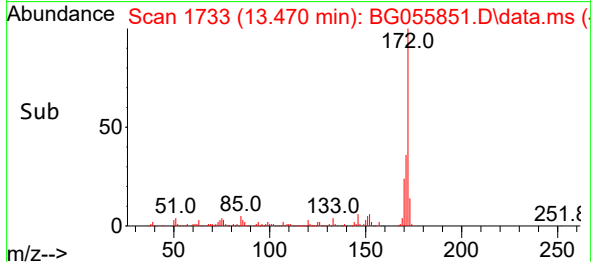
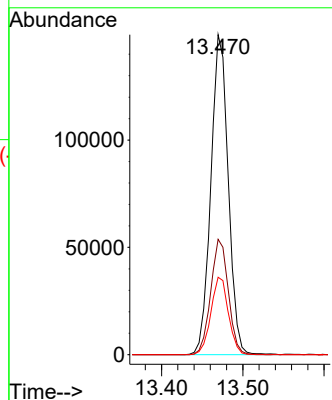
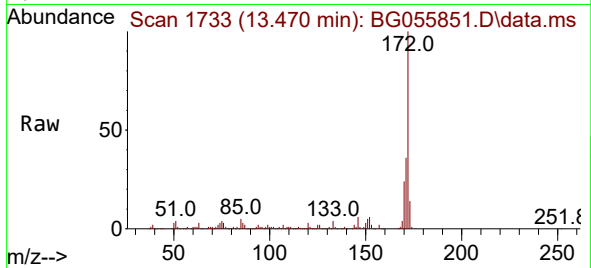




#45
2-Fluorobiphenyl
Concen: 26.075 ng
RT: 13.470 min Scan# 1733
Delta R.T. -0.002 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

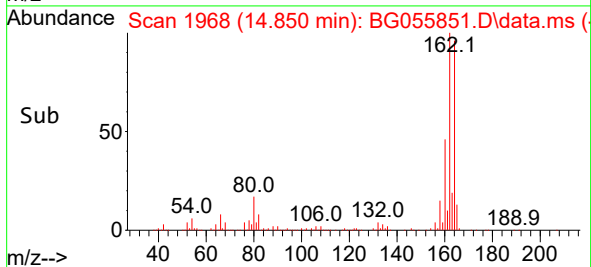
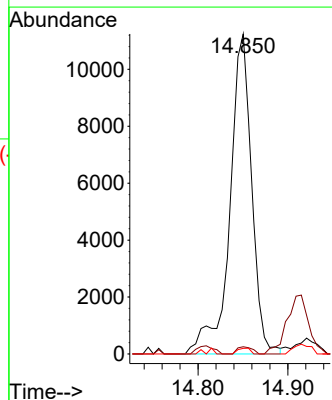
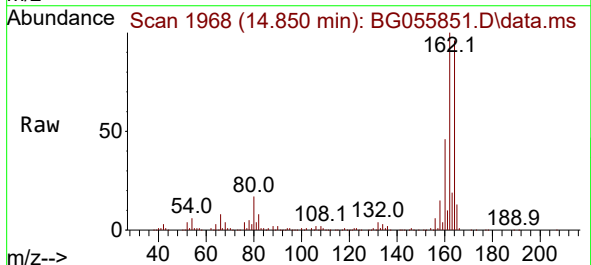
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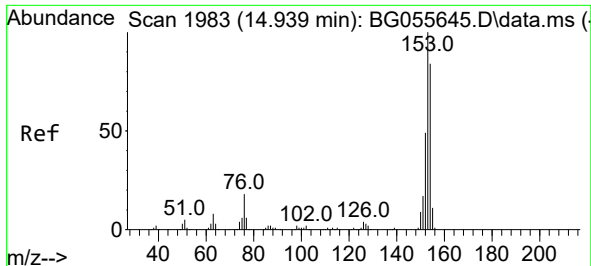
Tgt Ion:172 Resp: 221314
Ion Ratio Lower Upper
172 100
171 36.1 29.8 44.6
170 24.2 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 9.164 ng
RT: 14.850 min Scan# 1968
Delta R.T. 0.432 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

Tgt Ion:165 Resp: 18992
Ion Ratio Lower Upper
165 100
63 2.3 44.6 66.8#
89 1.7 42.2 63.4#

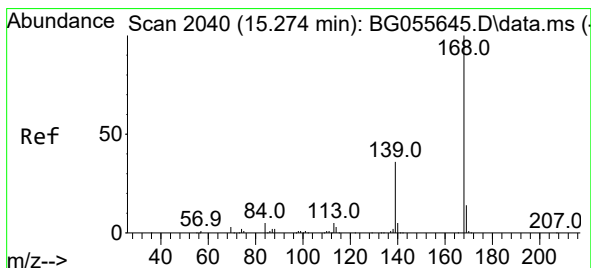
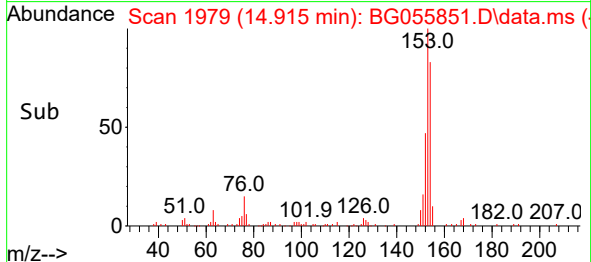
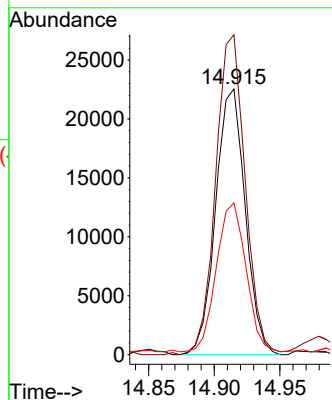
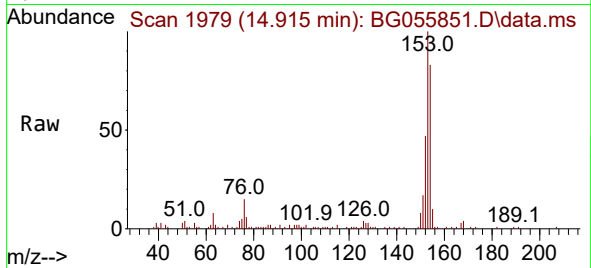




#52
Acenaphthene
Concen: 4.559 ng
RT: 14.915 min Scan# 1983
Delta R.T. 0.004 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

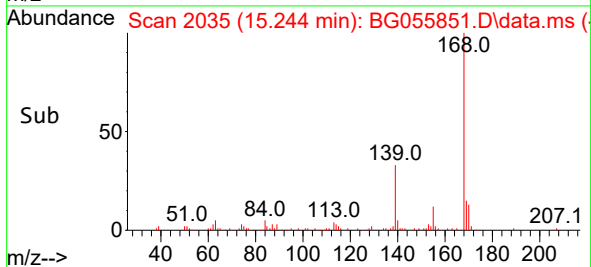
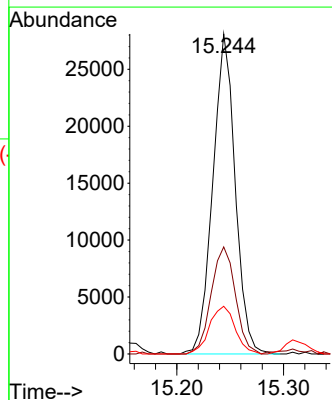
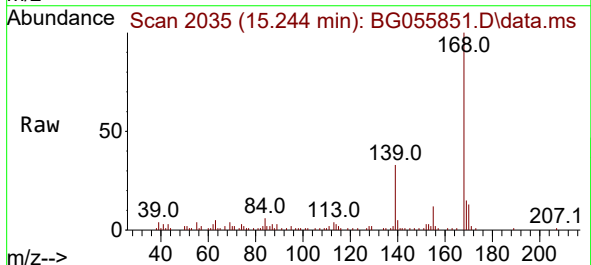
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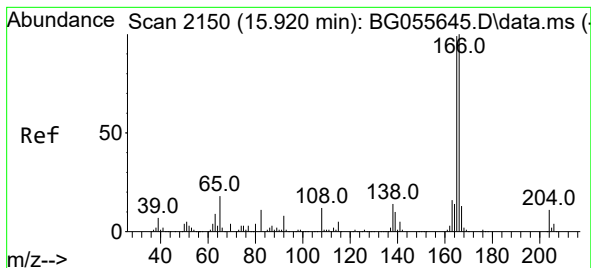
Tgt Ion:154 Resp: 35335
Ion Ratio Lower Upper
154 100
153 120.4 95.0 142.4
152 57.1 46.1 69.1



#55
Dibenzofuran
Concen: 3.416 ng
RT: 15.244 min Scan# 2035
Delta R.T. 0.004 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

Tgt Ion:168 Resp: 40847
Ion Ratio Lower Upper
168 100
139 33.4 28.8 43.2
169 14.9 11.0 16.4





#58

Fluorene

Concen: 6.762 ng

RT: 15.890 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG055851.D

Acq: 30 Nov 2022 21:16

Instrument :

BNA_G

ClientSampleId :

OR-02-112822

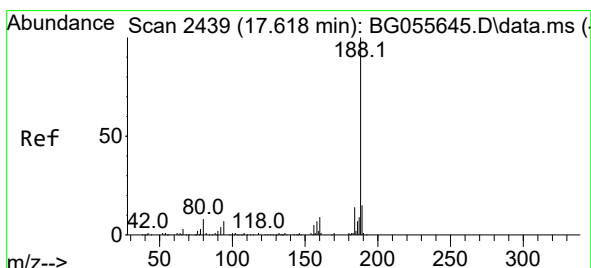
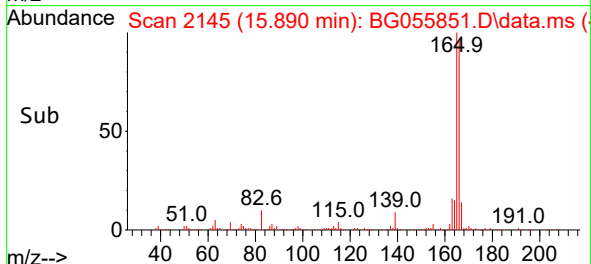
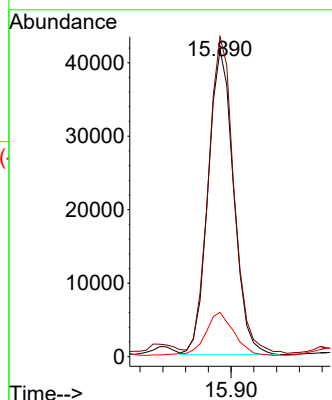
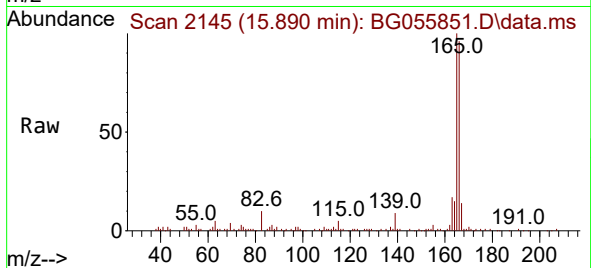
Tgt Ion:166 Resp: 64584

Ion Ratio Lower Upper

166 100

165 104.2 79.3 118.9

167 14.4 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.588 min Scan# 2434

Delta R.T. 0.004 min

Lab File: BG055851.D

Acq: 30 Nov 2022 21:16

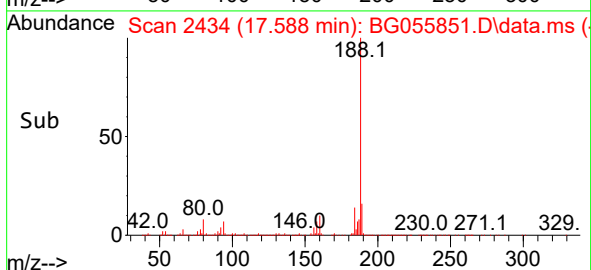
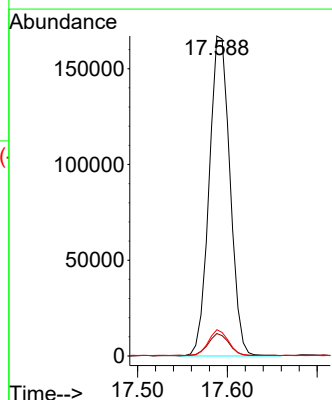
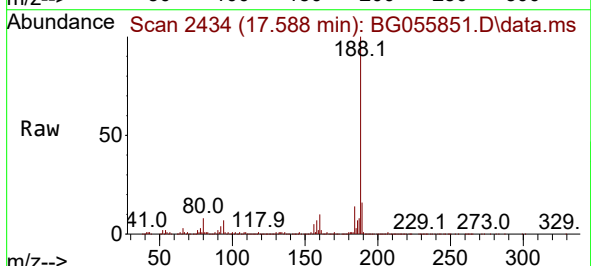
Tgt Ion:188 Resp: 269102

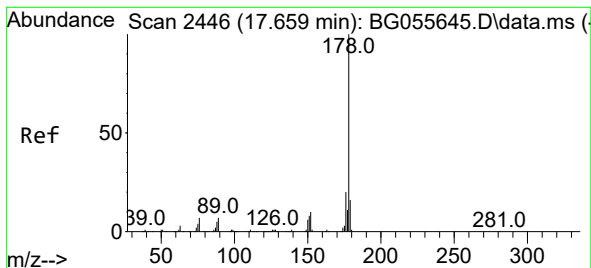
Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.2

80 8.2 6.6 10.0





#71

Phenanthrene

Concen: 35.714 ng

RT: 17.635 min Scan# 2442

Delta R.T. 0.009 min

Lab File: BG055851.D

Acq: 30 Nov 2022 21:16

Instrument :

BNA_G

ClientSampleId :

OR-02-112822

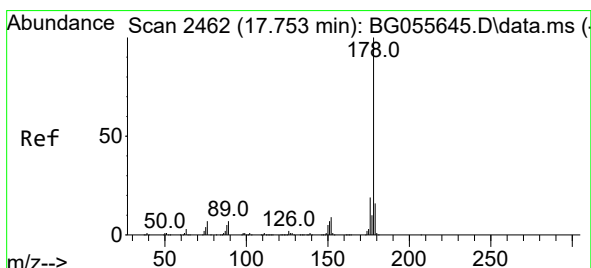
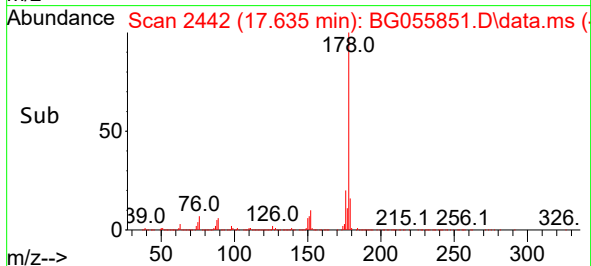
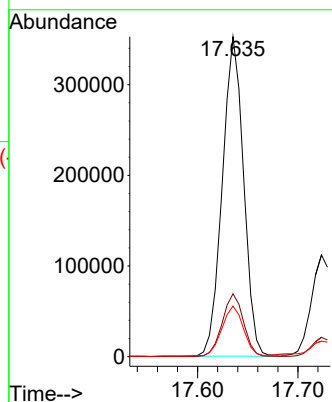
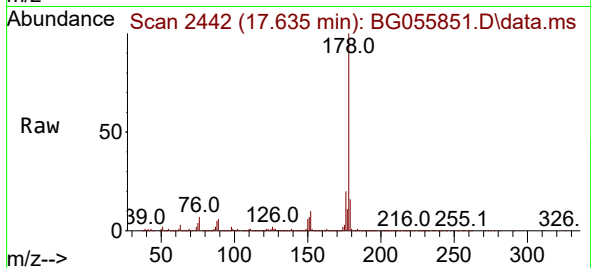
Tgt Ion:178 Resp: 518628

Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

179 15.8 12.7 19.1



#72

Anthracene

Concen: 11.670 ng

RT: 17.723 min Scan# 2457

Delta R.T. 0.004 min

Lab File: BG055851.D

Acq: 30 Nov 2022 21:16

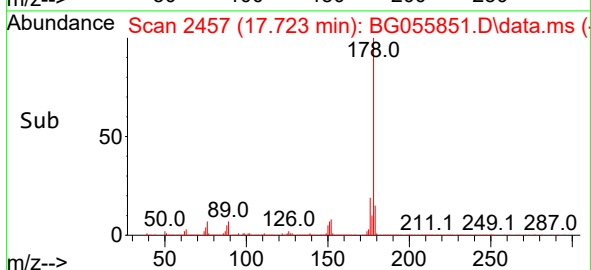
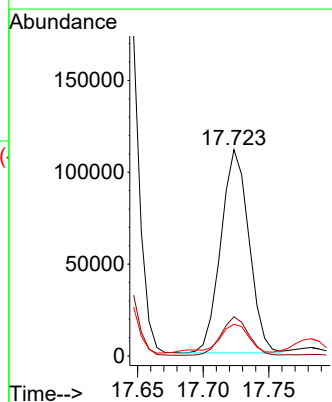
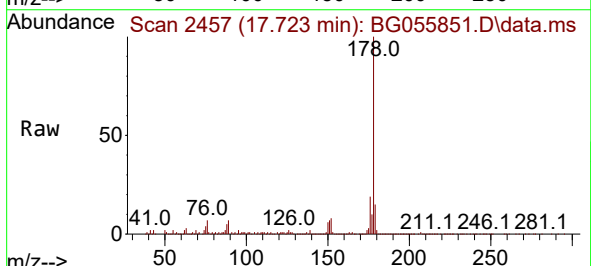
Tgt Ion:178 Resp: 164662

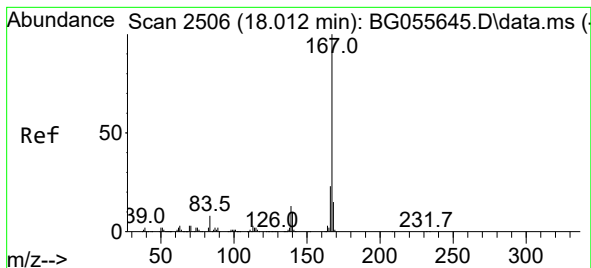
Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.3 12.5 18.7





#73

Carbazole

Concen: 2.958 ng

RT: 17.994 min Scan# 21

Delta R.T. 0.009 min

Lab File: BG055851.D

Acq: 30 Nov 2022 21:16

Instrument :

BNA_G

ClientSampleId :

OR-02-112822

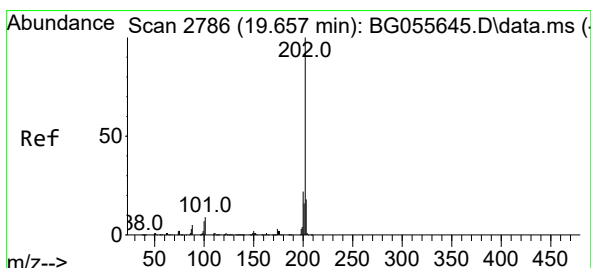
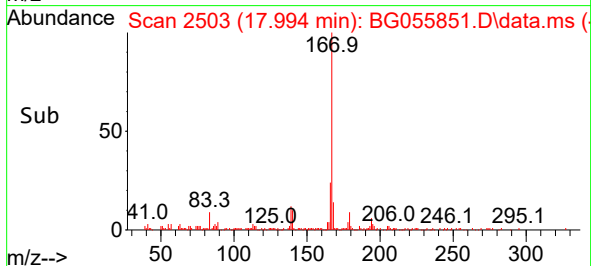
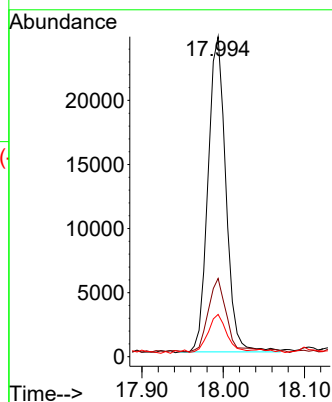
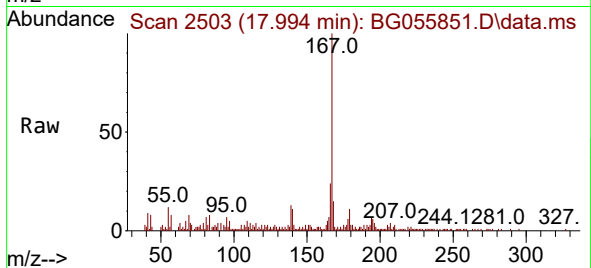
Tgt Ion:167 Resp: 37526

Ion Ratio Lower Upper

167 100

166 24.5 18.2 27.2

139 13.2 10.2 15.4



#75

Fluoranthene

Concen: 39.980 ng

RT: 19.633 min Scan# 2782

Delta R.T. 0.009 min

Lab File: BG055851.D

Acq: 30 Nov 2022 21:16

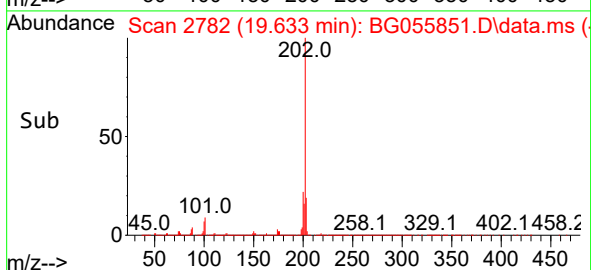
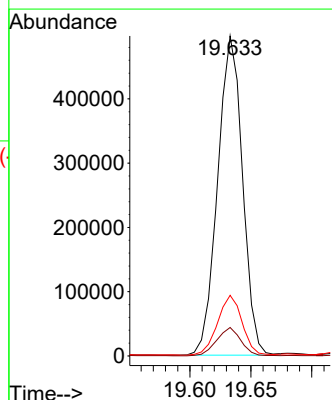
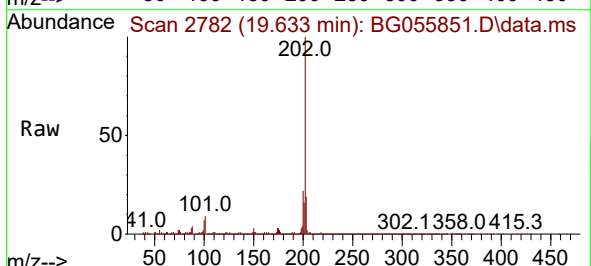
Tgt Ion:202 Resp: 706325

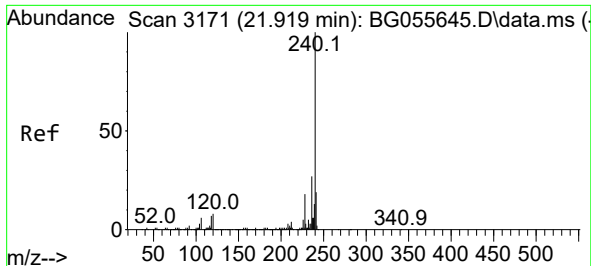
Ion Ratio Lower Upper

202 100

101 8.9 0.0 28.8

203 19.0 0.0 38.1

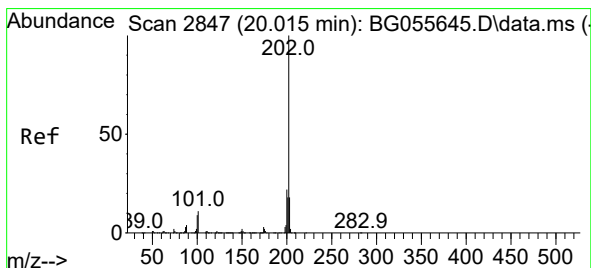
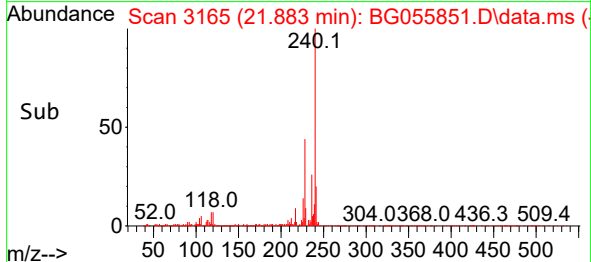
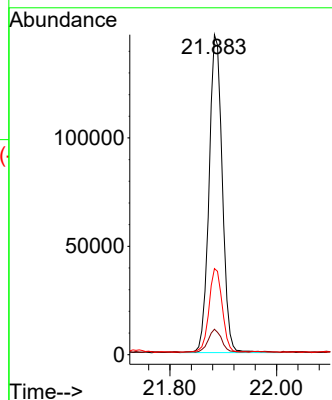
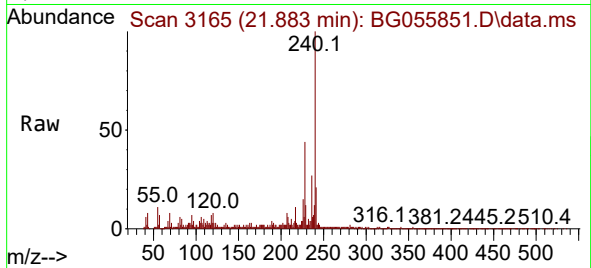




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.883 min Scan# 3171
Delta R.T. 0.004 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

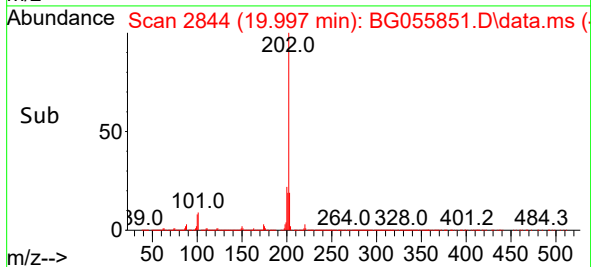
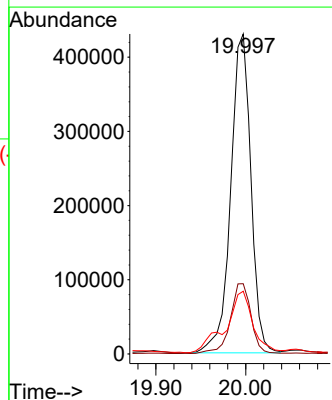
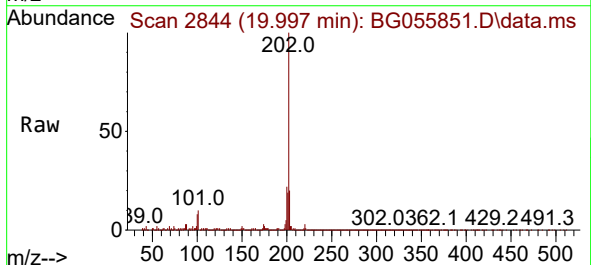
Instrument :
BNA_G
ClientSampleId :
OR-02-112822

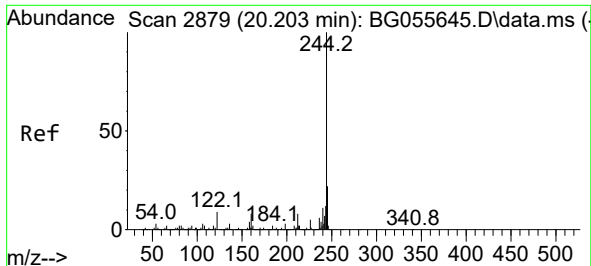
Tgt Ion:240 Resp: 252802
Ion Ratio Lower Upper
240 100
120 8.0 6.3 9.5
236 26.9 21.9 32.9



#78
Pyrene
Concen: 39.228 ng
RT: 19.997 min Scan# 2844
Delta R.T. 0.009 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

Tgt Ion:202 Resp: 671256
Ion Ratio Lower Upper
202 100
200 21.9 17.8 26.6
203 19.6 14.4 21.6

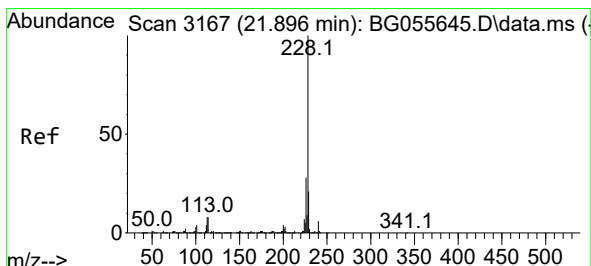
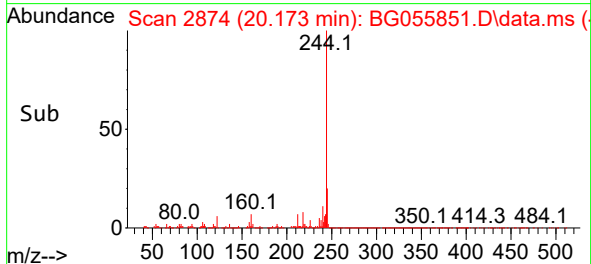
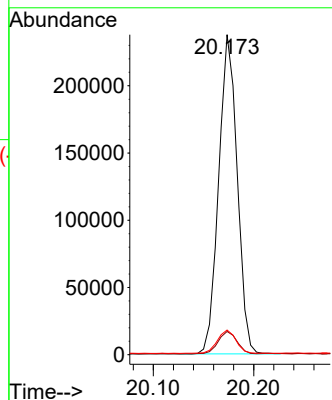
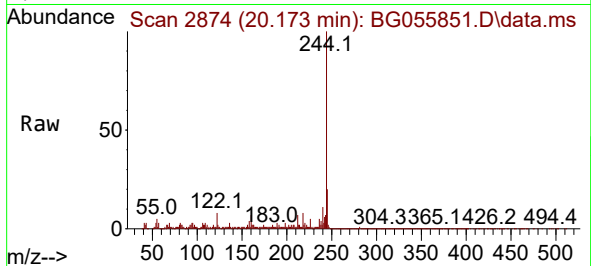




#79
 Terphenyl-d14
 Concen: 24.054 ng
 RT: 20.173 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BG055851.D
 Acq: 30 Nov 2022 21:16

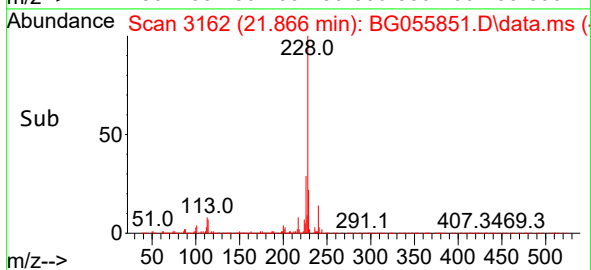
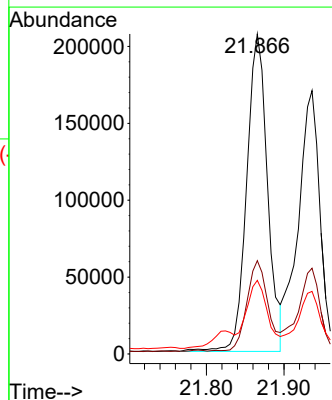
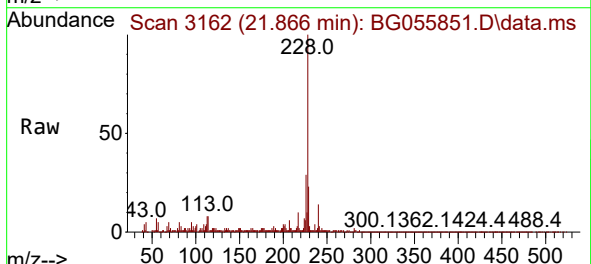
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-112822

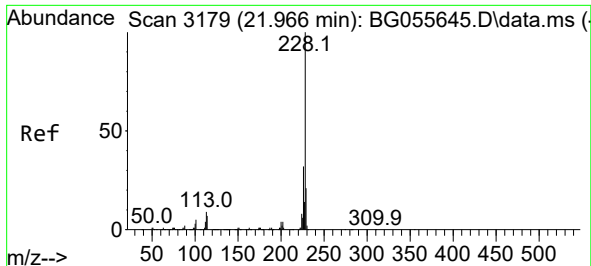
Tgt Ion:244 Resp: 304021
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.3 9.5
 122 7.7 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 22.110 ng
 RT: 21.866 min Scan# 3162
 Delta R.T. 0.009 min
 Lab File: BG055851.D
 Acq: 30 Nov 2022 21:16

Tgt Ion:228 Resp: 384986
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.7 34.1
 229 23.0 16.5 24.7

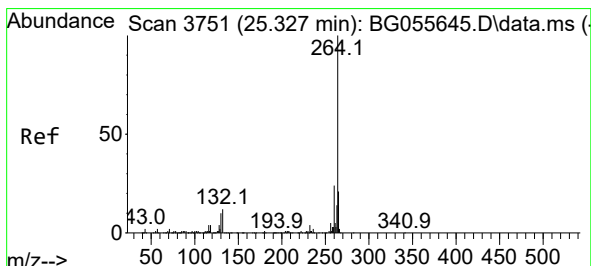
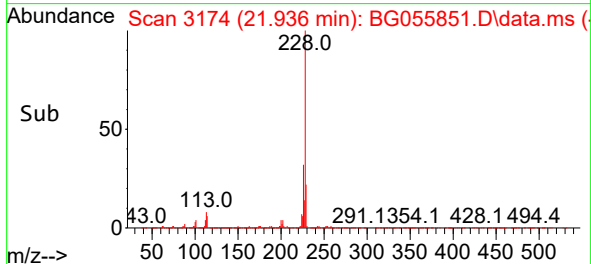
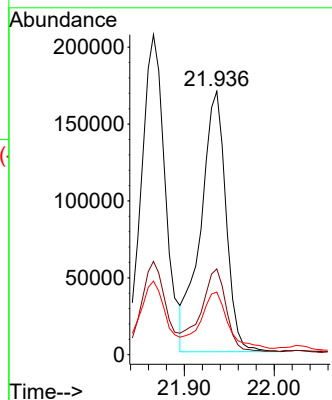
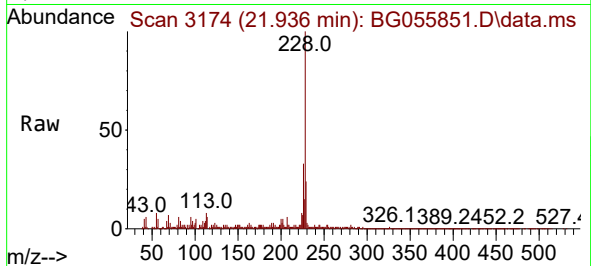




#83
Chrysene
Concen: 20.018 ng
RT: 21.936 min Scan# 3179
Delta R.T. 0.009 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

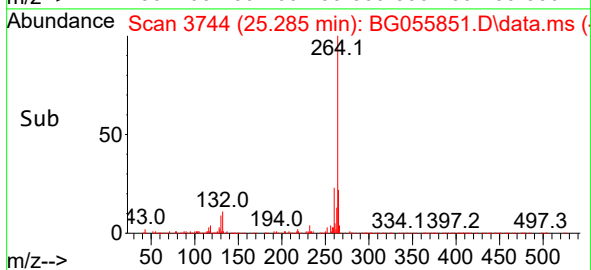
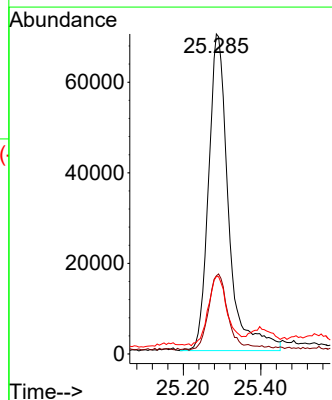
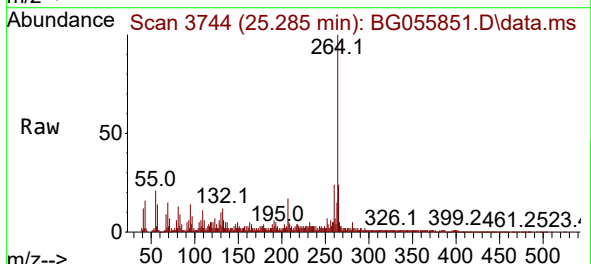
Instrument :
BNA_G
ClientSampleId :
OR-02-112822

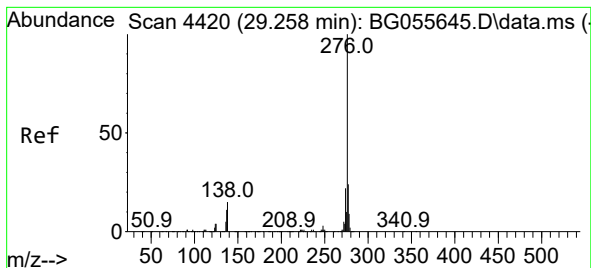
Tgt Ion:228 Resp: 331823
Ion Ratio Lower Upper
228 100
226 32.6 25.4 38.2
229 23.8 17.1 25.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.285 min Scan# 3744
Delta R.T. 0.027 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

Tgt Ion:264 Resp: 249867
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 24.2 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.456 ng

RT: 29.204 min Scan# 44

Delta R.T. 0.033 min

Lab File: BG055851.D

Acq: 30 Nov 2022 21:16

Instrument :

BNA_G

ClientSampleId :

OR-02-112822

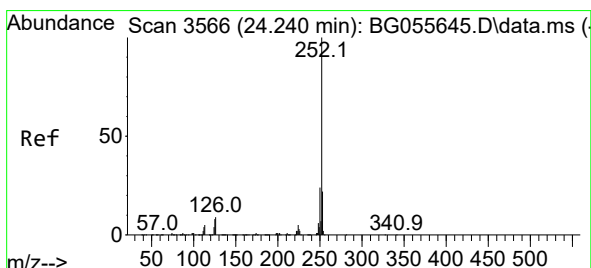
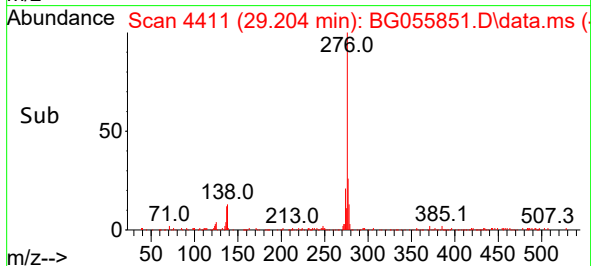
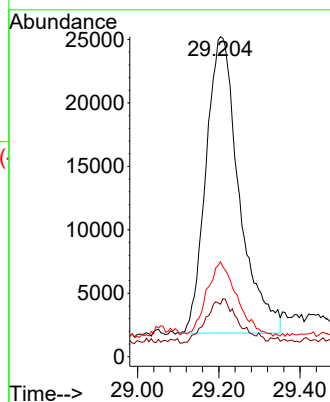
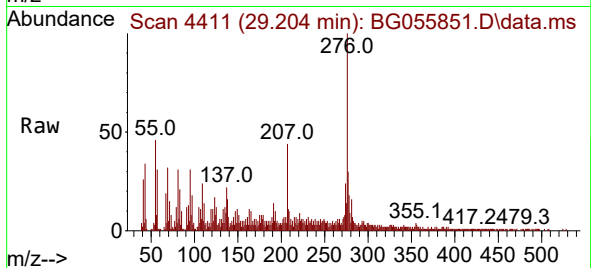
Tgt Ion:276 Resp: 132143

Ion Ratio Lower Upper

276 100

138 14.1 10.4 15.6

277 23.7 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 25.347 ng

RT: 24.210 min Scan# 3561

Delta R.T. 0.033 min

Lab File: BG055851.D

Acq: 30 Nov 2022 21:16

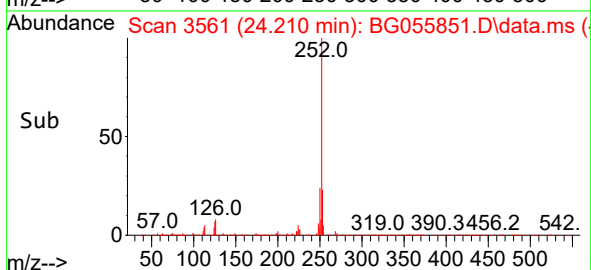
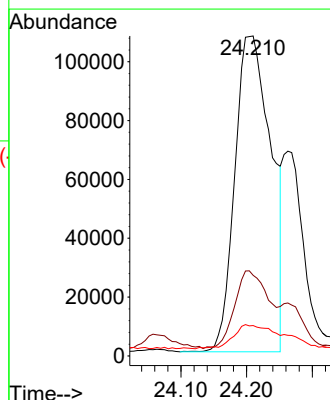
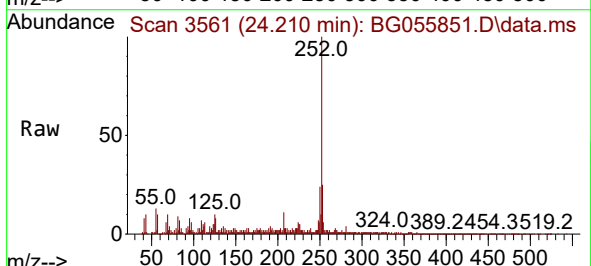
Tgt Ion:252 Resp: 412462

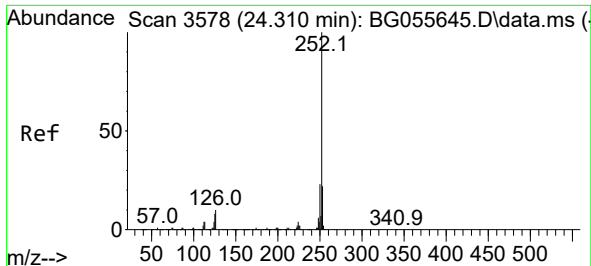
Ion Ratio Lower Upper

252 100

253 25.2 18.0 27.0

125 9.5 6.2 9.2#

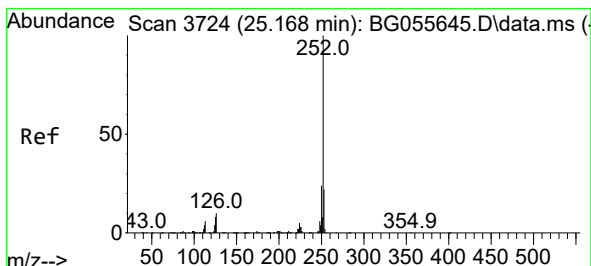
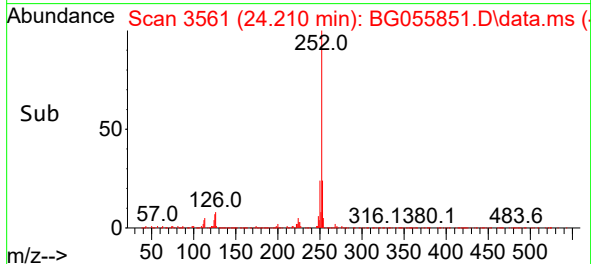
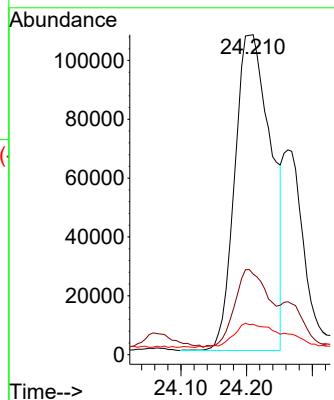
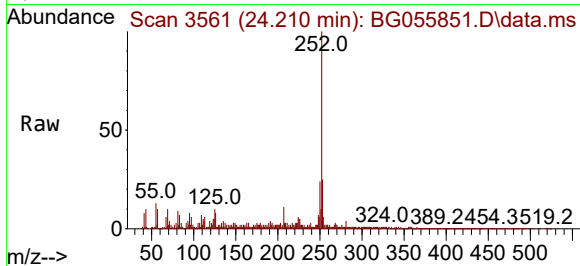




#89
Benzo(k)fluoranthene
Concen: 25.428 ng
RT: 24.210 min Scan# 311
Delta R.T. -0.043 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

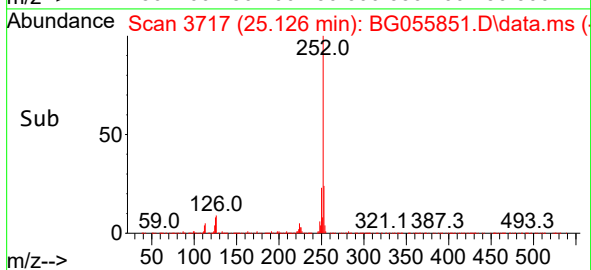
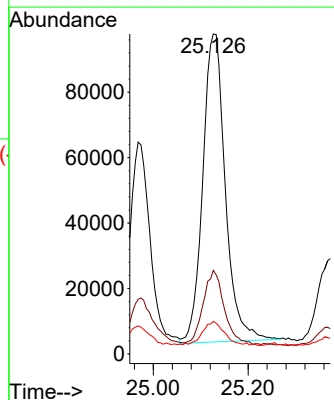
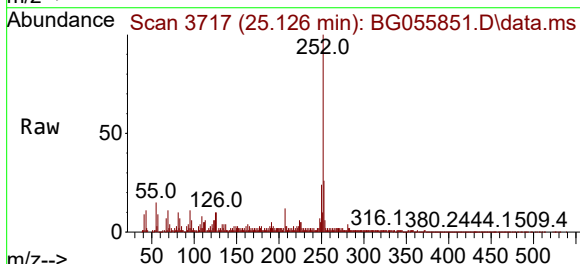
Instrument :
BNA_G
ClientSampleId :
OR-02-112822

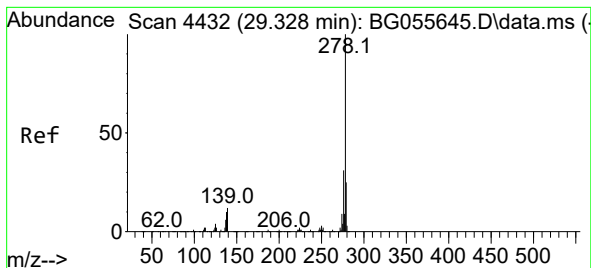
Tgt Ion:252 Resp: 412462
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.6
125 9.5 6.1 9.1#



#90
Benzo(a)pyrene
Concen: 22.265 ng
RT: 25.126 min Scan# 3717
Delta R.T. 0.027 min
Lab File: BG055851.D
Acq: 30 Nov 2022 21:16

Tgt Ion:252 Resp: 310909
Ion Ratio Lower Upper
252 100
253 26.1 17.8 26.6
125 10.2 6.4 9.6#





#91

Dibenzo(a,h)anthracene

Concen: 2.158 ng

RT: 29.245 min Scan# 4432

Delta R.T. 0.021 min

Lab File: BG055851.D

Acq: 30 Nov 2022 21:16

Instrument :

BNA_G

ClientSampleId :

OR-02-112822

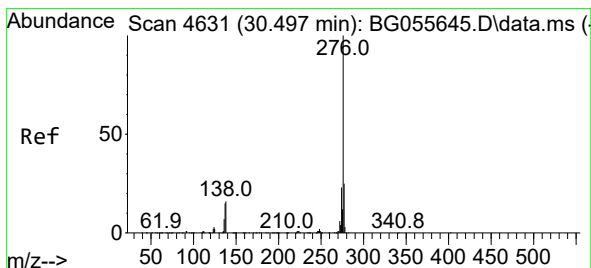
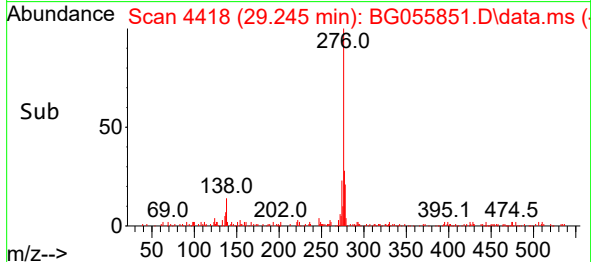
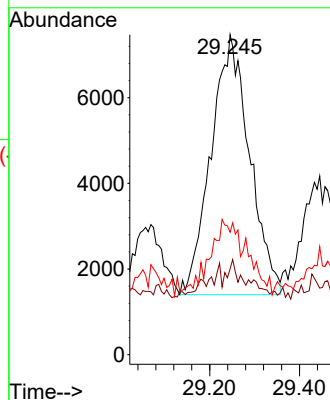
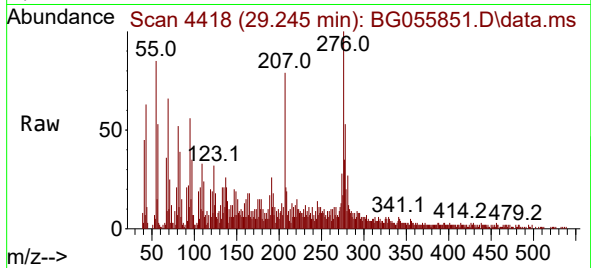
Tgt Ion:278 Resp: 36093

Ion Ratio Lower Upper

278 100

139 26.9 9.8 14.8#

279 38.2 19.8 29.6#



#92

Benzo(g,h,i)perylene

Concen: 7.391 ng

RT: 30.438 min Scan# 4621

Delta R.T. 0.039 min

Lab File: BG055851.D

Acq: 30 Nov 2022 21:16

Tgt Ion:276 Resp: 124606

Ion Ratio Lower Upper

276 100

277 26.7 19.8 29.6

138 17.7 13.1 19.7

