

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
 Data File : BG055816.D
 Acq On : 28 Nov 2022 22:35
 Operator : CG/JU
 Sample : N5772-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-1

Quant Time: Nov 29 02:16:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 02:02:15 2022
 Response via : Initial Calibration

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

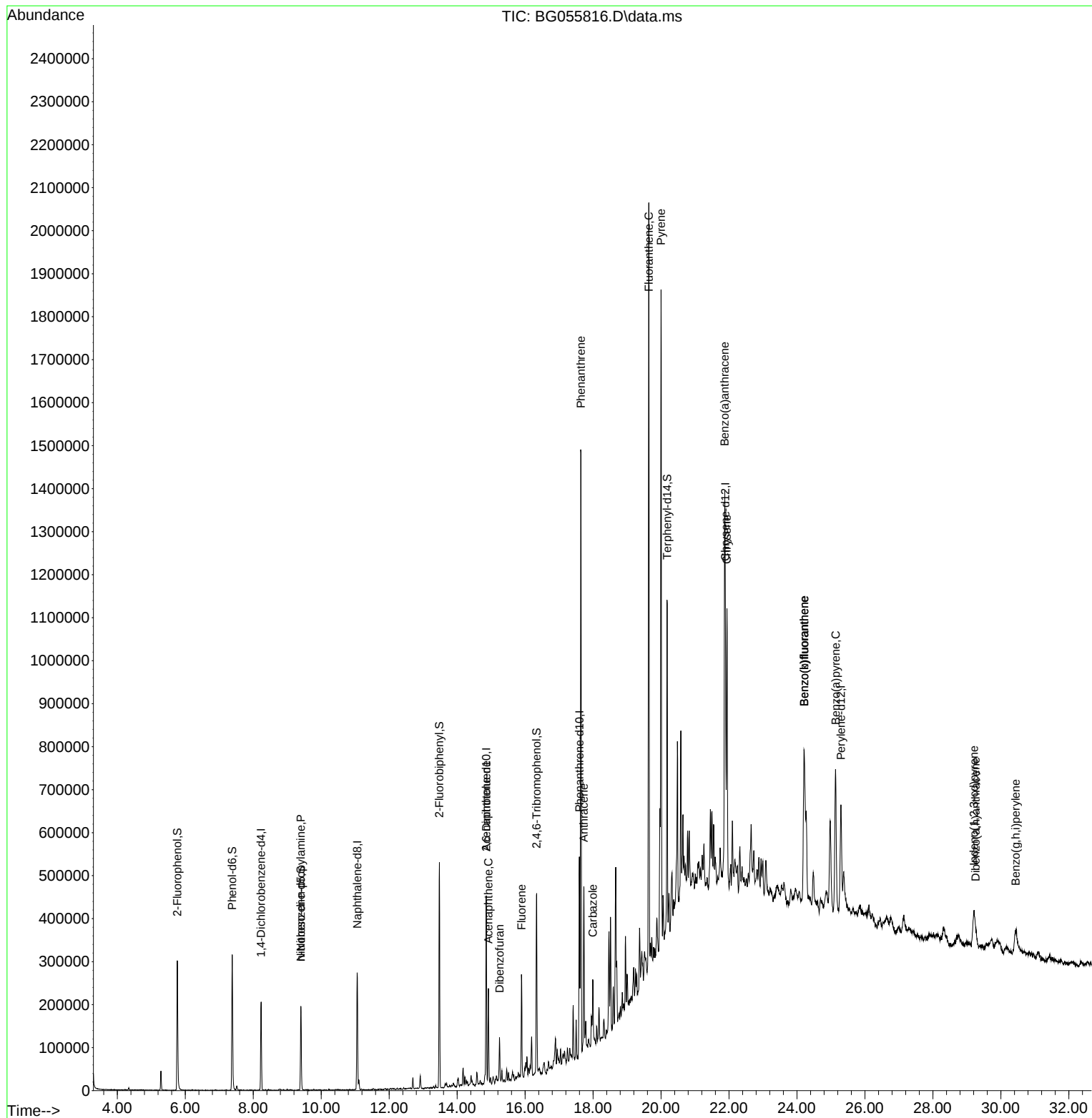
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.232	152	58610	20.000	ng	0.00
21) Naphthalene-d8	11.058	136	234215	20.000	ng	0.00
39) Acenaphthene-d10	14.853	164	154499	20.000	ng	0.00
64) Phenanthrene-d10	17.597	188	316289	20.000	ng	0.00
76) Chrysene-d12	21.892	240	293915	20.000	ng	0.00
86) Perylene-d12	25.294	264	322487	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.764	112	149723	46.174	ng	0.00
7) Phenol-d6	7.380	99	189724	43.954	ng	0.00
23) Nitrobenzene-d5	9.401	82	114400	25.816	ng	0.00
42) 2,4,6-Tribromophenol	16.340	330	87206	40.085	ng	0.00
45) 2-Fluorobiphenyl	13.479	172	276815	26.842	ng	0.00
79) Terphenyl-d14	20.183	244	376740	25.638	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.401	70	16022	4.831	ng	# 75
51) 2,6-Dinitrotoluene	14.853	165	22859	9.077	ng	# 27
52) Acenaphthene	14.918	154	78035	8.286	ng	98
55) Dibenzofuran	15.247	168	59489	4.094	ng	98
58) Fluorene	15.893	166	113219	9.757	ng	100
71) Phenanthrene	17.644	178	925864	54.245	ng	98
72) Anthracene	17.727	178	261111	15.745	ng	100
73) Carbazole	17.997	167	100397	6.734	ng	99
75) Fluoranthene	19.642	202	1166375	56.171	ng	98
78) Pyrene	20.000	202	1038601	52.205	ng	97
81) Benzo(a)anthracene	21.875	228	536093	26.482	ng	98
83) Chrysene	21.939	228	490182	25.435	ng	98
87) Indeno(1,2,3-cd)pyrene	29.213	276	185486	7.021	ng	93
88) Benzo(b)fluoranthene	24.213	252	547135	26.051	ng	97
89) Benzo(k)fluoranthene	24.213	252	547135	26.135	ng	96
90) Benzo(a)pyrene	25.136	252	424908	23.577	ng	96
91) Dibenzo(a,h)anthracene	29.254	278	52252	2.420	ng	# 79
92) Benzo(g,h,i)perylene	30.441	276	166951	7.673	ng	95

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

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Quant Time: Nov 29 02:16:06 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 02:02:15 2022
Response via : Initial Calibration

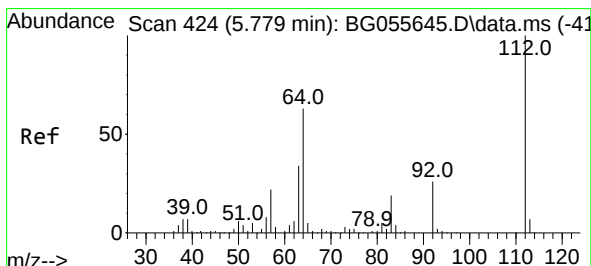
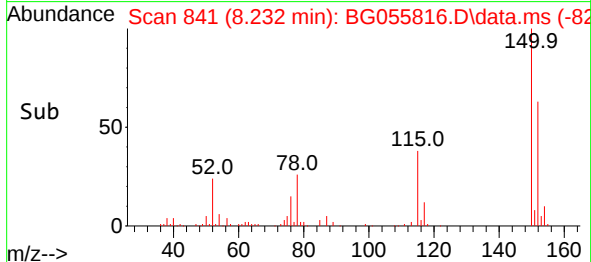
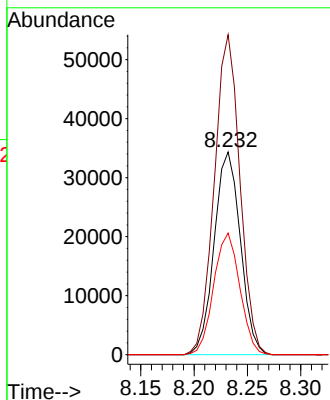
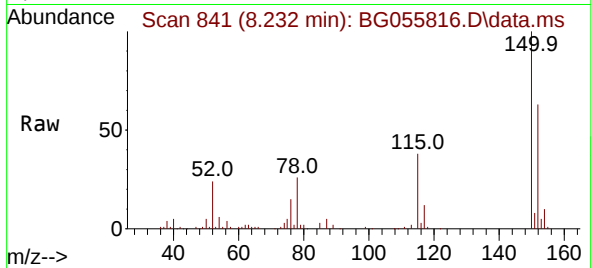




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.232 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG055816.D
Acq: 28 Nov 2022 22:35

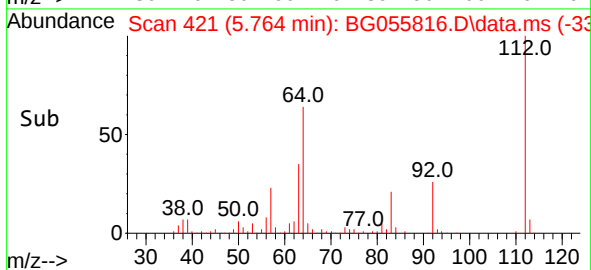
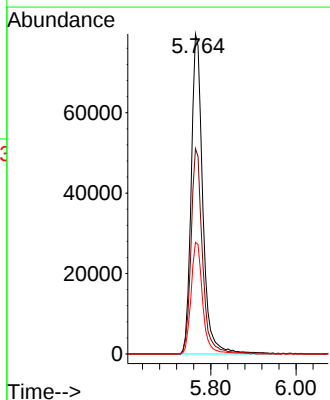
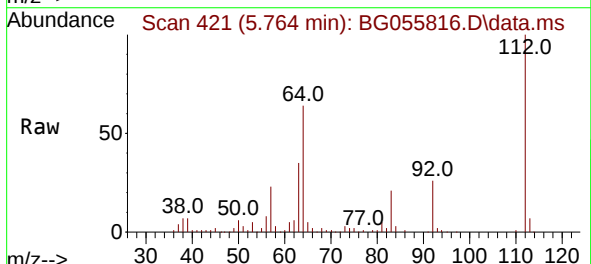
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BNA_G
ClientSampleId :
LOCATION-1

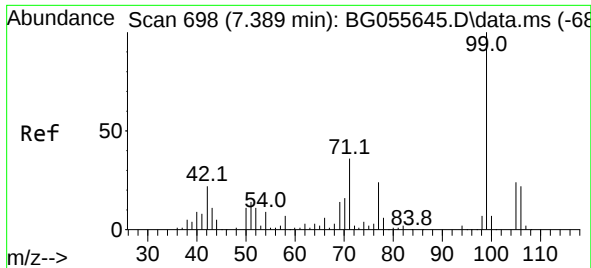
Tgt Ion:152 Resp: 58610
Ion Ratio Lower Upper
152 100
150 157.8 123.0 184.6
115 60.0 47.0 70.4



#5
2-Fluorophenol
Concen: 46.174 ng
RT: 5.764 min Scan# 421
Delta R.T. 0.006 min
Lab File: BG055816.D
Acq: 28 Nov 2022 22:35

Tgt Ion:112 Resp: 149723
Ion Ratio Lower Upper
112 100
64 64.2 50.6 76.0
63 34.9 27.5 41.3

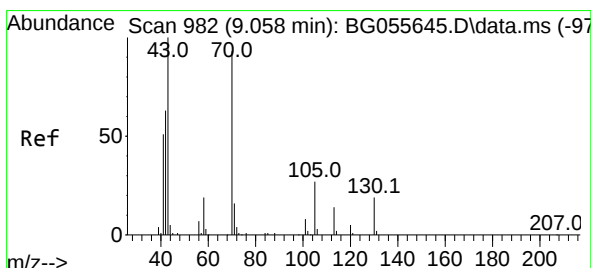
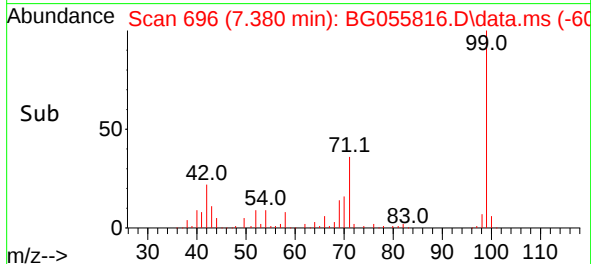
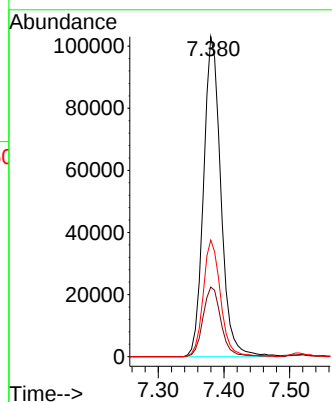
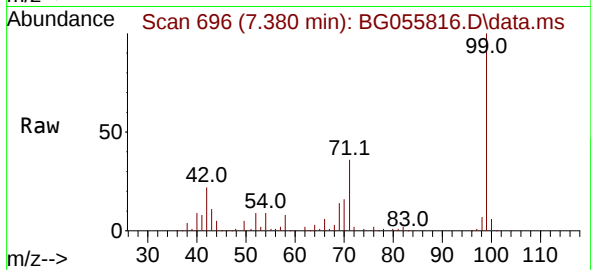




#7
Phenol-d6
Concen: 43.954 ng
RT: 7.380 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG055816.D
Acq: 28 Nov 2022 22:35

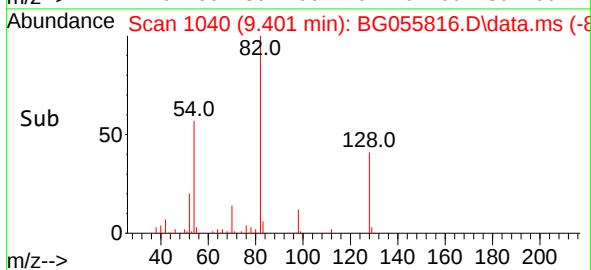
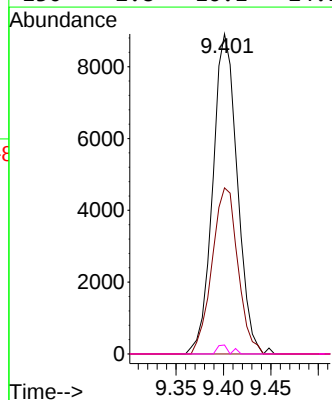
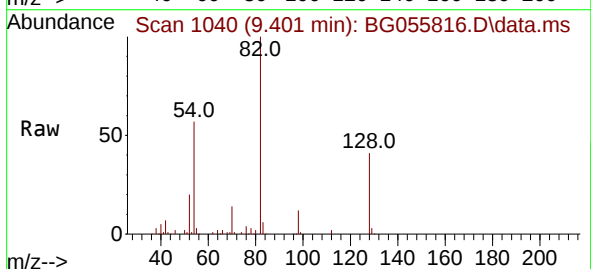
Instrument :
BNA_G
ClientSampleId :
LOCATION-1

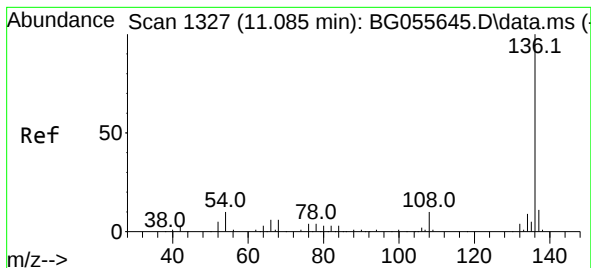
Tgt Ion: 99 Resp: 189724
Ion Ratio Lower Upper
99 100
42 21.8 18.0 27.0
71 36.5 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 4.831 ng
RT: 9.401 min Scan# 1040
Delta R.T. 0.365 min
Lab File: BG055816.D
Acq: 28 Nov 2022 22:35

Tgt Ion: 70 Resp: 16022
Ion Ratio Lower Upper
70 100
42 51.9 55.2 82.8#
101 0.0 7.1 10.7#
130 2.8 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.058 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG055816.D

Acq: 28 Nov 2022 22:35

Instrument :

BNA_G

ClientSampleId :

LOCATION-1

Tgt Ion:136 Resp: 234215

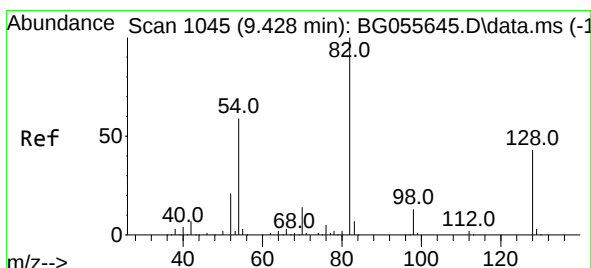
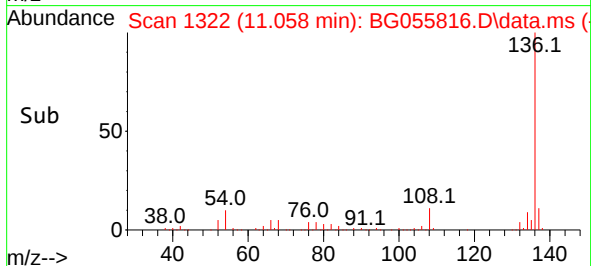
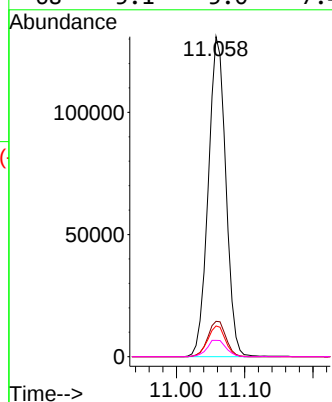
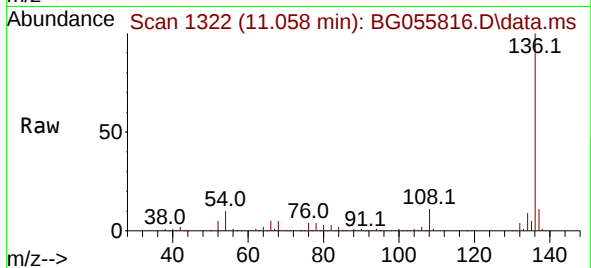
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 9.6 7.8 11.6

68 5.1 5.0 7.4



#23

Nitrobenzene-d5

Concen: 25.816 ng

RT: 9.401 min Scan# 1040

Delta R.T. -0.005 min

Lab File: BG055816.D

Acq: 28 Nov 2022 22:35

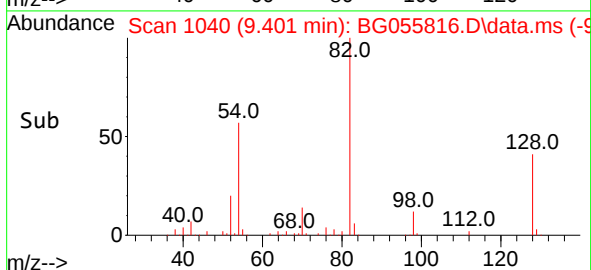
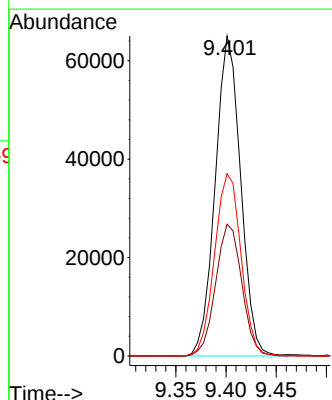
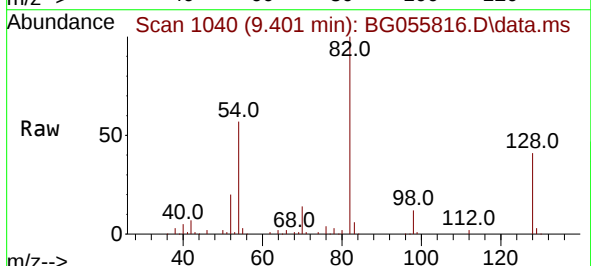
Tgt Ion: 82 Resp: 114400

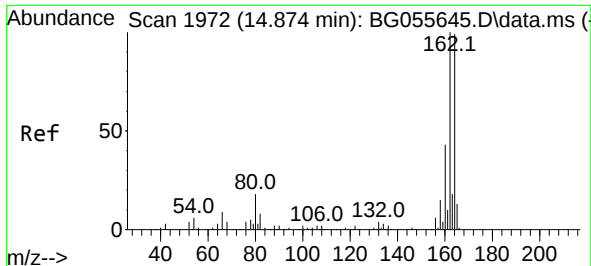
Ion Ratio Lower Upper

82 100

128 41.2 34.1 51.1

54 57.0 47.3 70.9

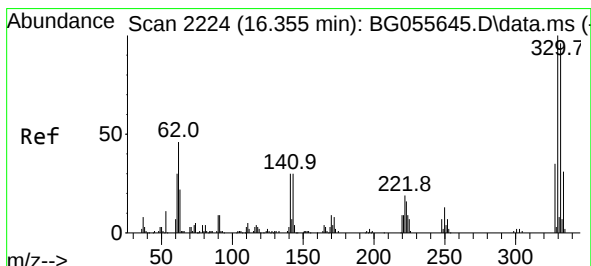
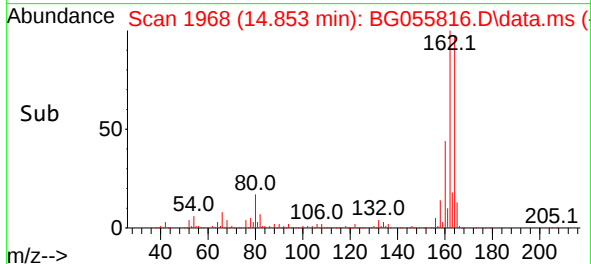
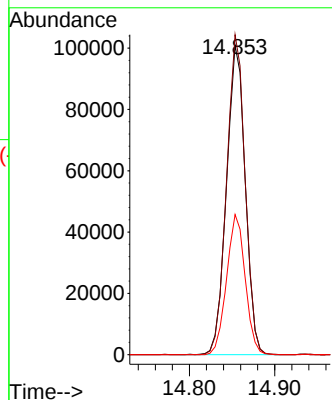
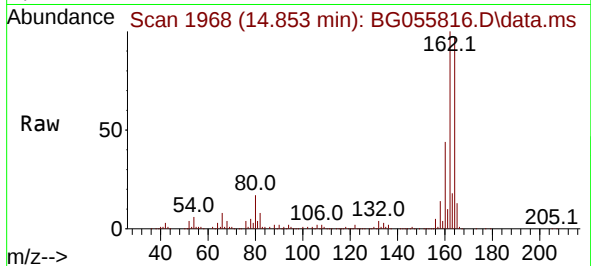




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.853 min Scan# 1968
Delta R.T. -0.005 min
Lab File: BG055816.D
Acq: 28 Nov 2022 22:35

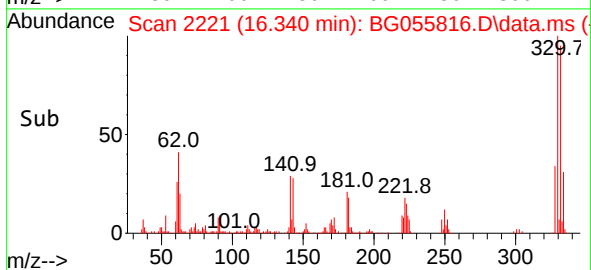
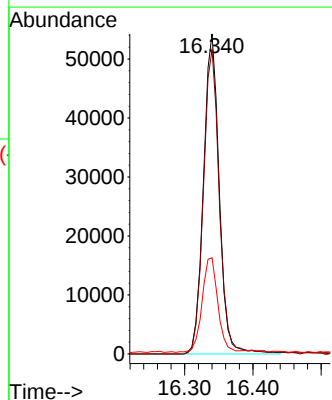
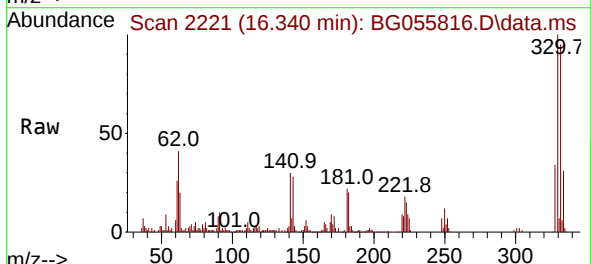
Instrument :
BNA_G
ClientSampleId :
LOCATION-1

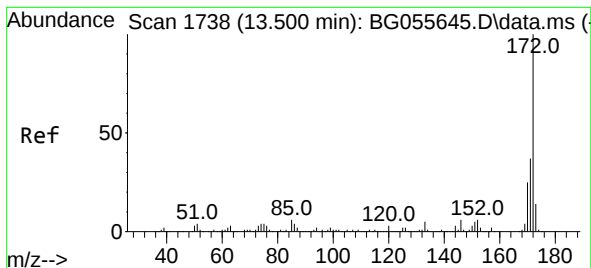
Tgt Ion:164 Resp: 154499
Ion Ratio Lower Upper
164 100
162 103.4 81.1 121.7
160 45.3 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 40.085 ng
RT: 16.340 min Scan# 2221
Delta R.T. 0.001 min
Lab File: BG055816.D
Acq: 28 Nov 2022 22:35

Tgt Ion:330 Resp: 87206
Ion Ratio Lower Upper
330 100
332 95.5 77.8 116.8
141 29.4 23.9 35.9

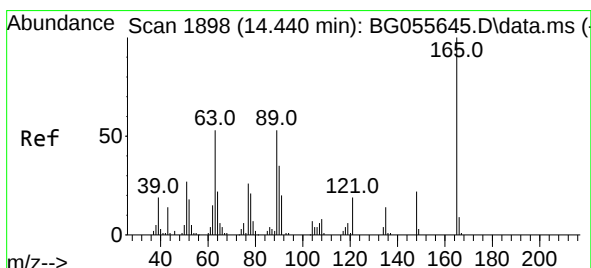
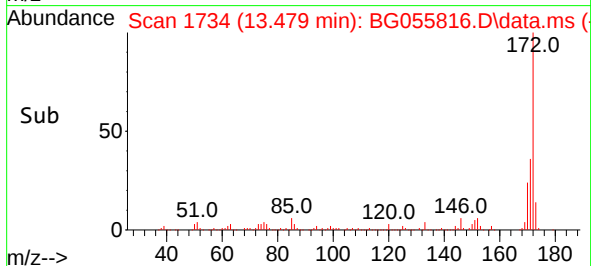
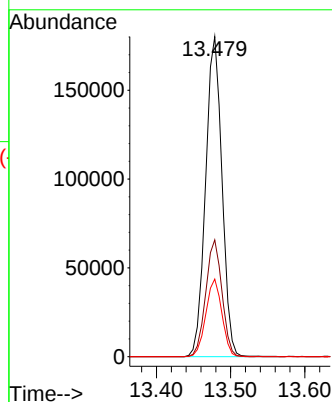
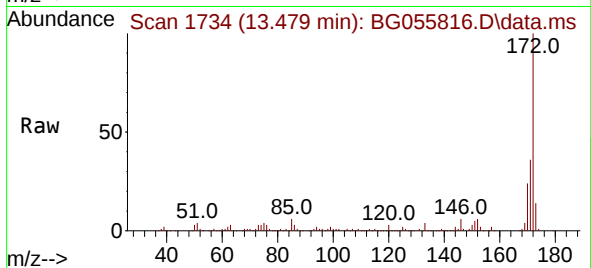




#45
2-Fluorobiphenyl
Concen: 26.842 ng
RT: 13.479 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG055816.D
Acq: 28 Nov 2022 22:35

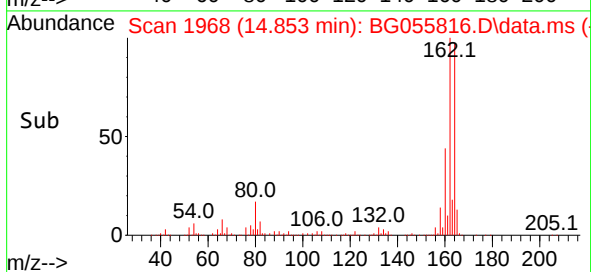
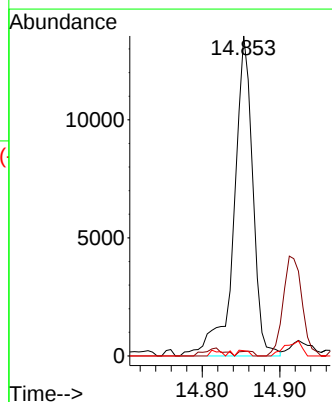
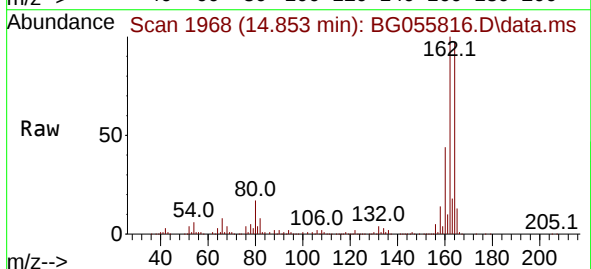
Instrument :
BNA_G
ClientSampleId :
LOCATION-1

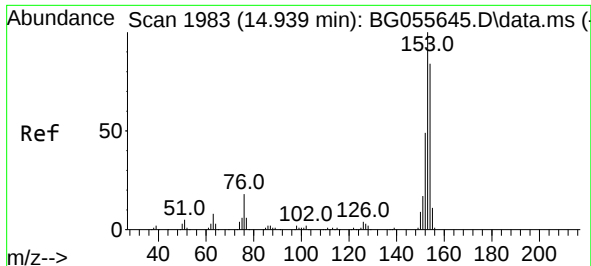
Tgt Ion:172 Resp: 276815
Ion Ratio Lower Upper
172 100
171 36.5 29.8 44.6
170 24.2 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 9.077 ng
RT: 14.853 min Scan# 1968
Delta R.T. 0.430 min
Lab File: BG055816.D
Acq: 28 Nov 2022 22:35

Tgt Ion:165 Resp: 22859
Ion Ratio Lower Upper
165 100
63 1.4 44.6 66.8#
89 1.6 42.2 63.4#

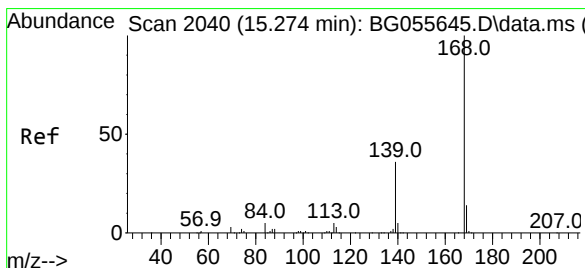
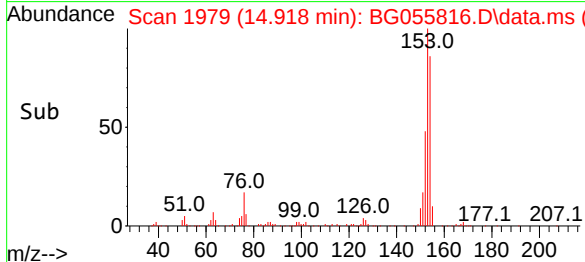
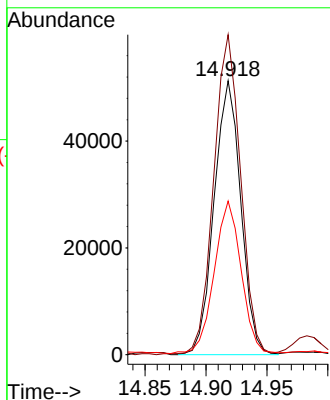
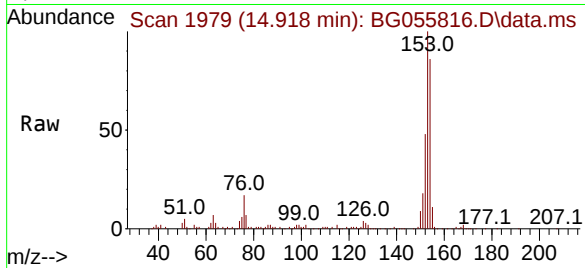




#52
Acenaphthene
Concen: 8.286 ng
RT: 14.918 min Scan# 1983
Delta R.T. -0.005 min
Lab File: BG055816.D
Acq: 28 Nov 2022 22:35

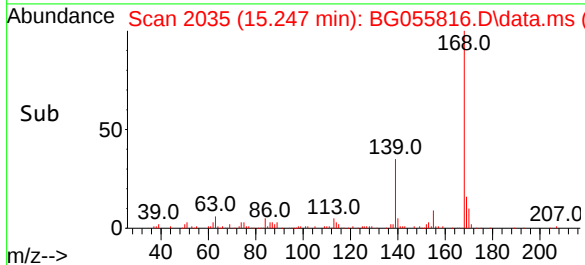
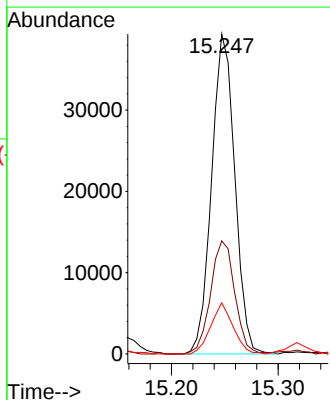
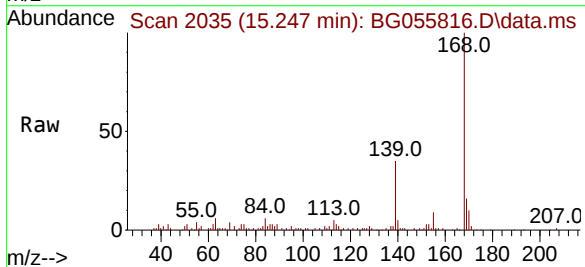
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ClientSampleId :
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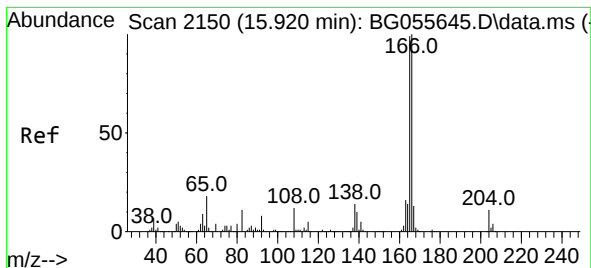
Tgt Ion:154 Resp: 78035
Ion Ratio Lower Upper
154 100
153 116.8 95.0 142.4
152 56.1 46.1 69.1



#55
Dibenzofuran
Concen: 4.094 ng
RT: 15.247 min Scan# 2035
Delta R.T. -0.005 min
Lab File: BG055816.D
Acq: 28 Nov 2022 22:35

Tgt Ion:168 Resp: 59489
Ion Ratio Lower Upper
168 100
139 35.3 28.8 43.2
169 16.0 11.0 16.4





#58

Fluorene

Concen: 9.757 ng

RT: 15.893 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG055816.D

Acq: 28 Nov 2022 22:35

Instrument :

BNA_G

ClientSampleId :

LOCATION-1

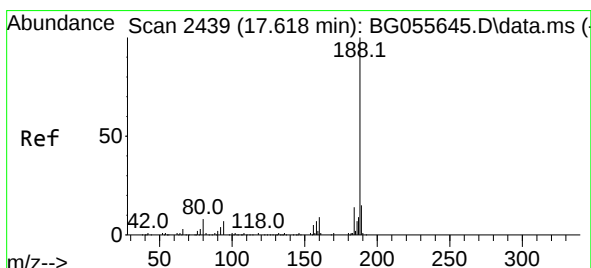
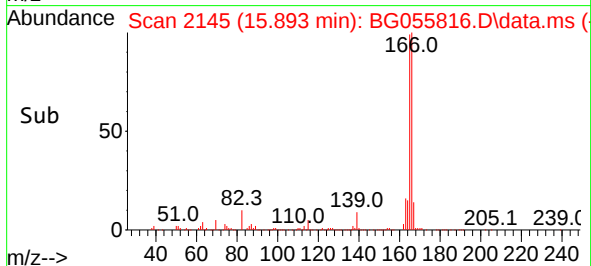
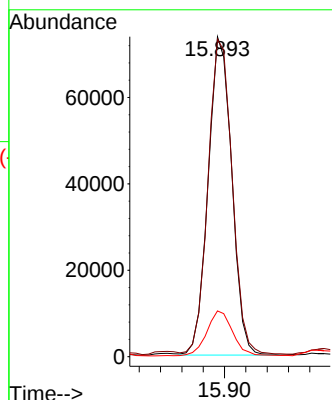
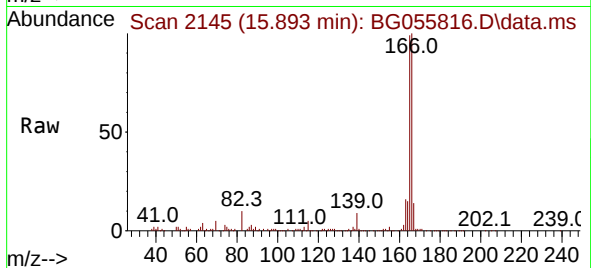
Tgt Ion:166 Resp: 113219

Ion Ratio Lower Upper

166 100

165 99.3 79.3 118.9

167 14.3 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.597 min Scan# 2435

Delta R.T. 0.001 min

Lab File: BG055816.D

Acq: 28 Nov 2022 22:35

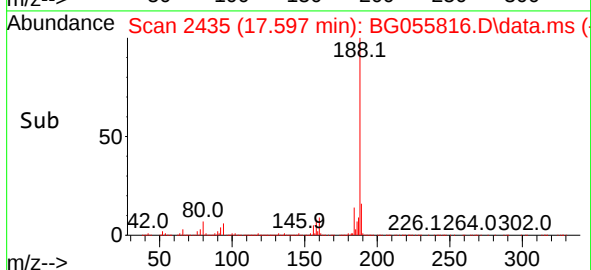
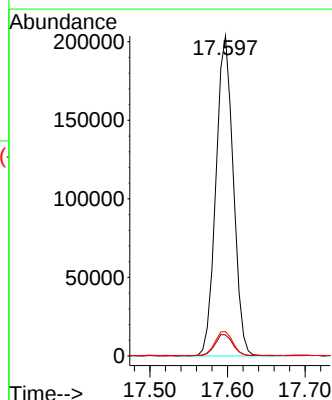
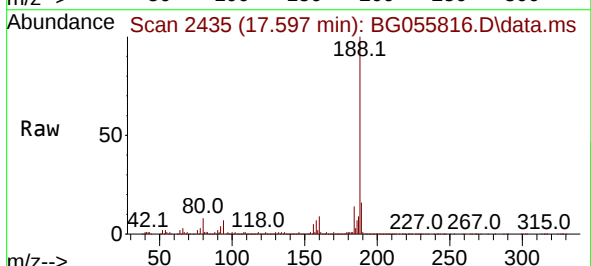
Tgt Ion:188 Resp: 316289

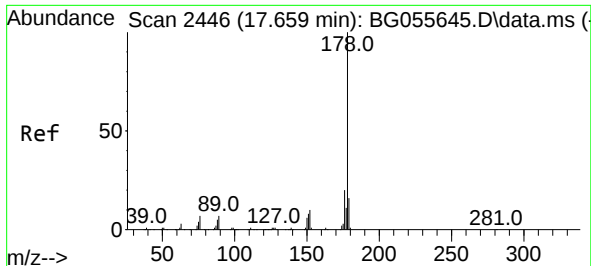
Ion Ratio Lower Upper

188 100

94 6.6 5.4 8.2

80 7.6 6.6 10.0

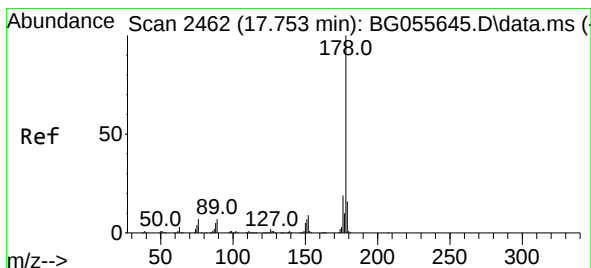
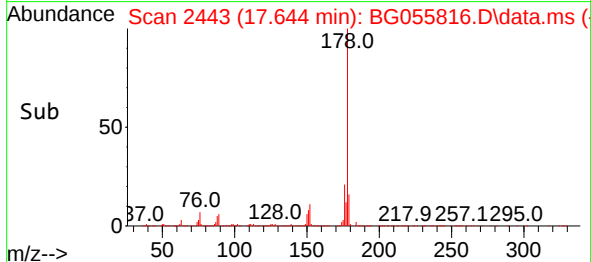
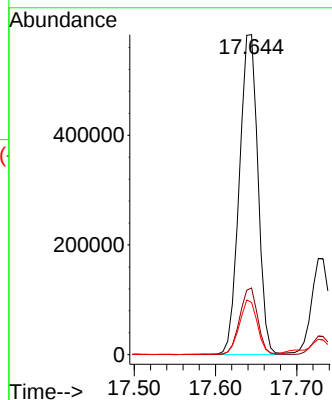
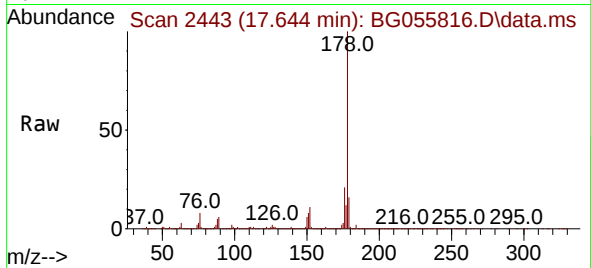




#71
Phenanthrene
Concen: 54.245 ng
RT: 17.644 min Scan# 2443
Delta R.T. 0.001 min
Lab File: BG055816.D
Acq: 28 Nov 2022 22:35

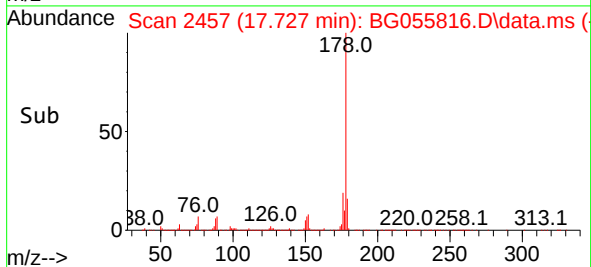
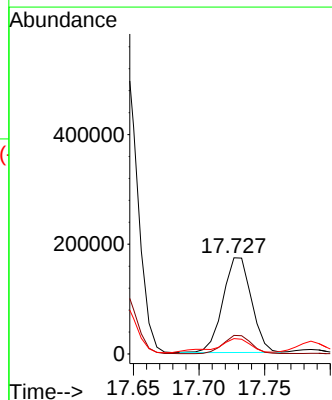
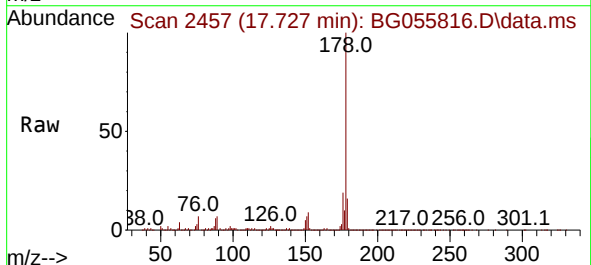
Instrument :
BNA_G
ClientSampleId :
LOCATION-1

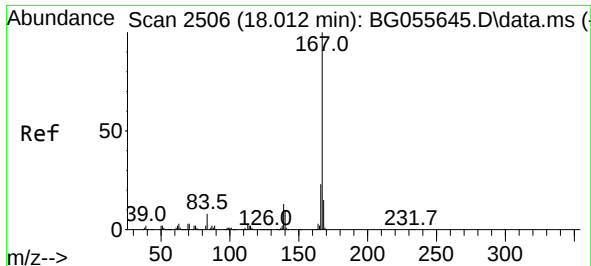
Tgt Ion:178 Resp: 925864
Ion Ratio Lower Upper
178 100
176 20.9 16.0 24.0
179 16.4 12.7 19.1



#72
Anthracene
Concen: 15.745 ng
RT: 17.727 min Scan# 2457
Delta R.T. -0.005 min
Lab File: BG055816.D
Acq: 28 Nov 2022 22:35

Tgt Ion:178 Resp: 261111
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.9 12.5 18.7

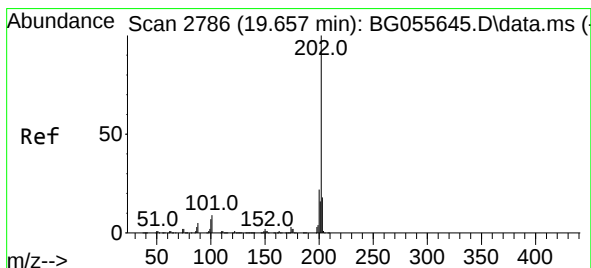
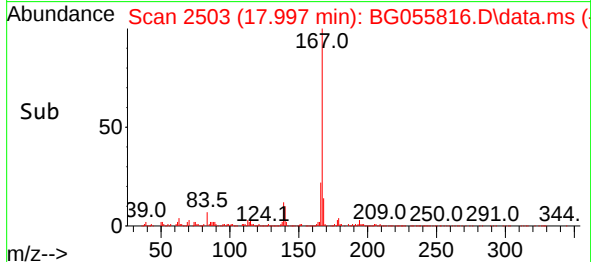
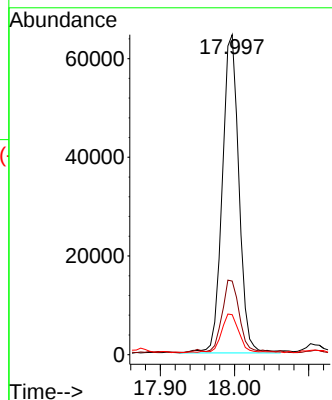
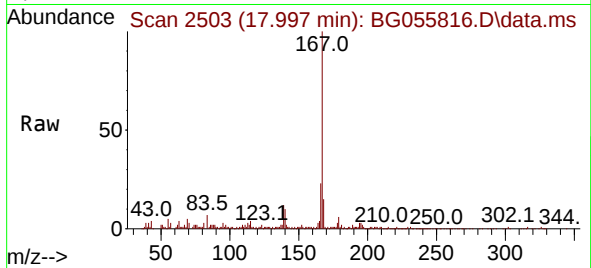




#73
 Carbazole
 Concen: 6.734 ng
 RT: 17.997 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG055816.D
 Acq: 28 Nov 2022 22:35

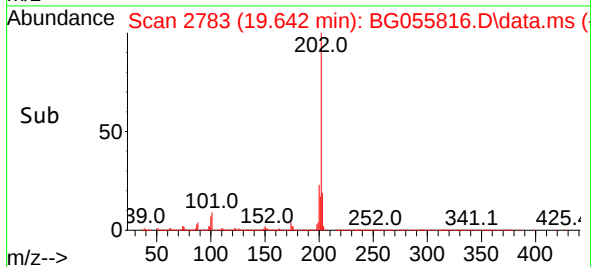
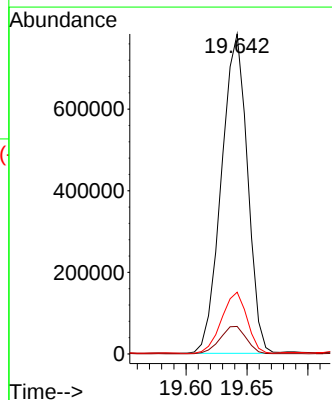
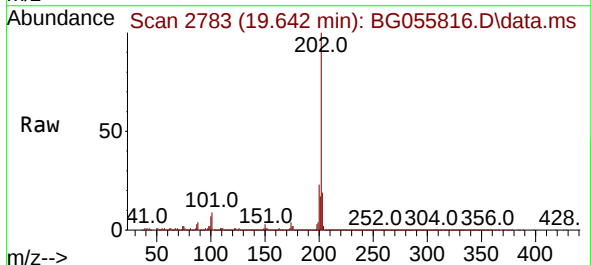
Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-1

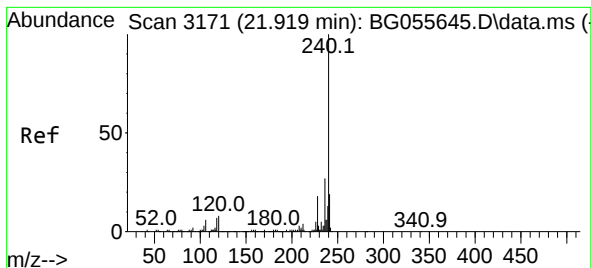
Tgt Ion:167 Resp: 100397
 Ion Ratio Lower Upper
 167 100
 166 23.0 18.2 27.2
 139 12.5 10.2 15.4



#75
 Fluoranthene
 Concen: 56.171 ng
 RT: 19.642 min Scan# 2783
 Delta R.T. 0.006 min
 Lab File: BG055816.D
 Acq: 28 Nov 2022 22:35

Tgt Ion:202 Resp: 1166375
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 28.8
 203 19.3 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.892 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG055816.D

Acq: 28 Nov 2022 22:35

Instrument :

BNA_G

ClientSampleId :

LOCATION-1

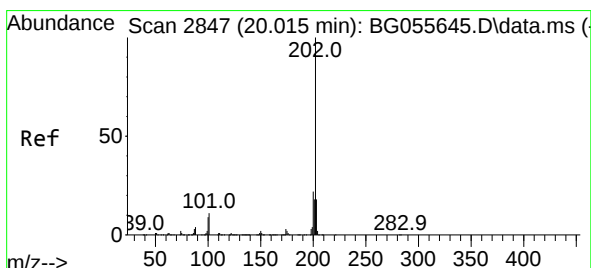
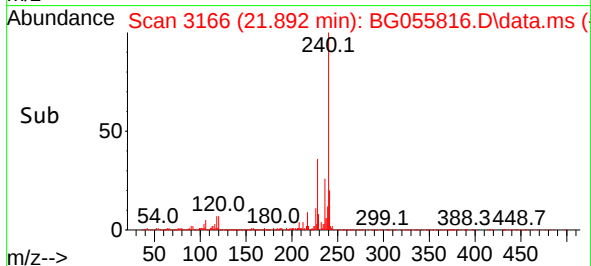
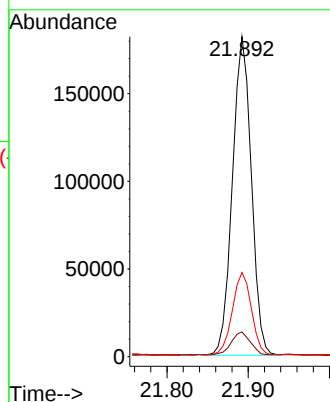
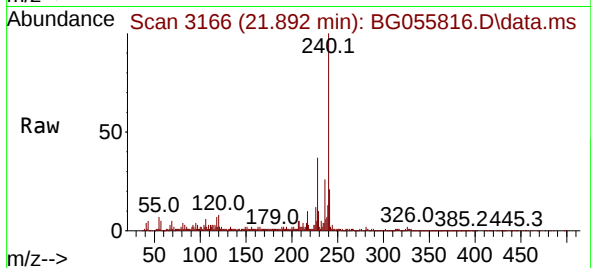
Tgt Ion:240 Resp: 293915

Ion Ratio Lower Upper

240 100

120 7.8 6.3 9.5

236 26.3 21.9 32.9



#78

Pyrene

Concen: 52.205 ng

RT: 20.000 min Scan# 2844

Delta R.T. 0.001 min

Lab File: BG055816.D

Acq: 28 Nov 2022 22:35

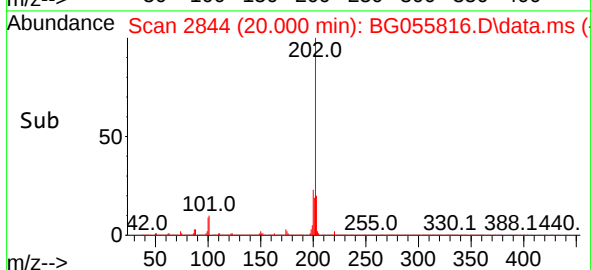
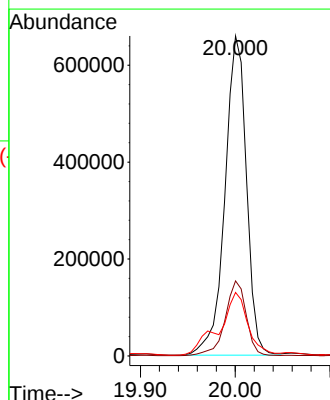
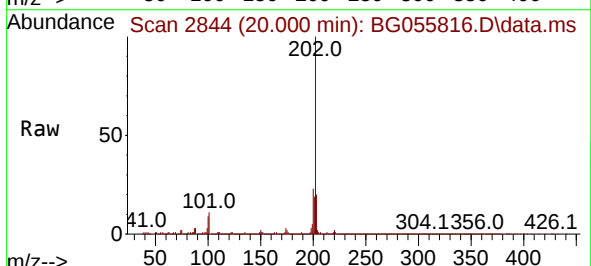
Tgt Ion:202 Resp: 1038601

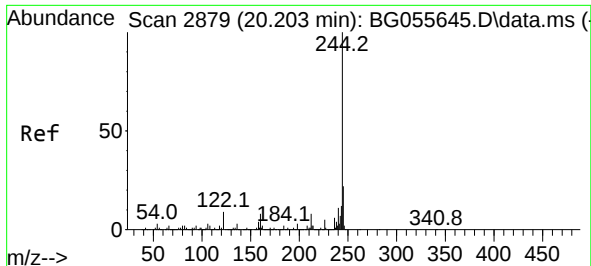
Ion Ratio Lower Upper

202 100

200 23.4 17.8 26.6

203 19.9 14.4 21.6

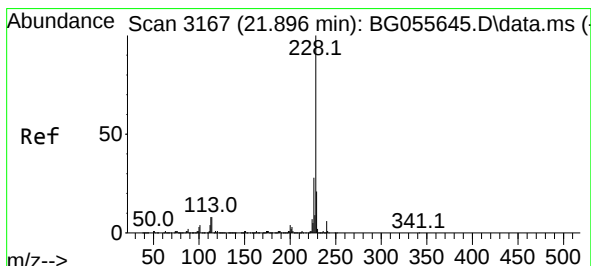
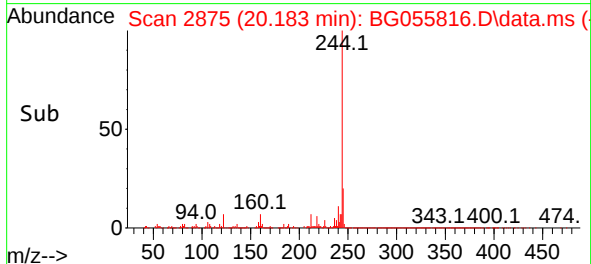
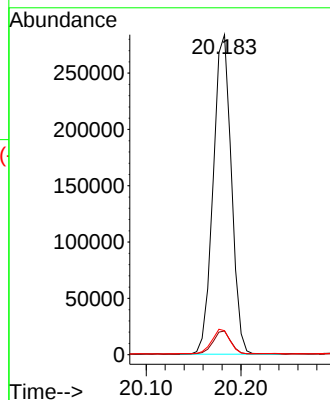
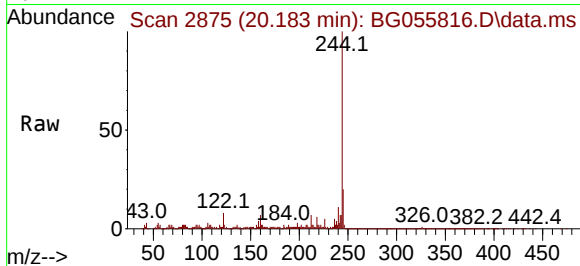




#79
 Terphenyl-d14
 Concen: 25.638 ng
 RT: 20.183 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG055816.D
 Acq: 28 Nov 2022 22:35

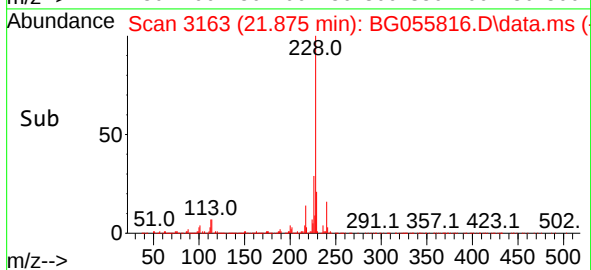
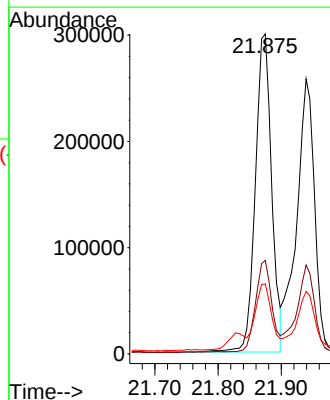
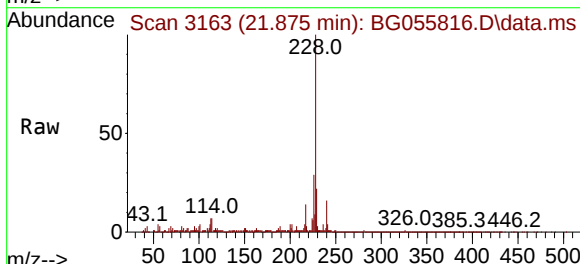
Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-1

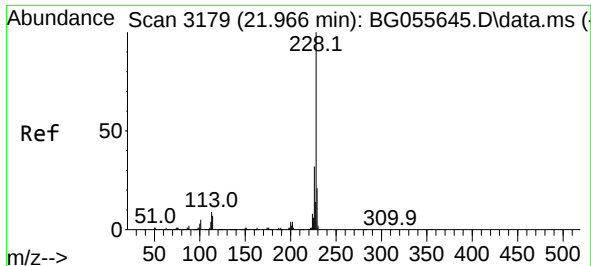
Tgt Ion:244 Resp: 376740
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.3 9.5
 122 7.5 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 26.482 ng
 RT: 21.875 min Scan# 3163
 Delta R.T. 0.001 min
 Lab File: BG055816.D
 Acq: 28 Nov 2022 22:35

Tgt Ion:228 Resp: 536093
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.7 34.1
 229 21.9 16.5 24.7

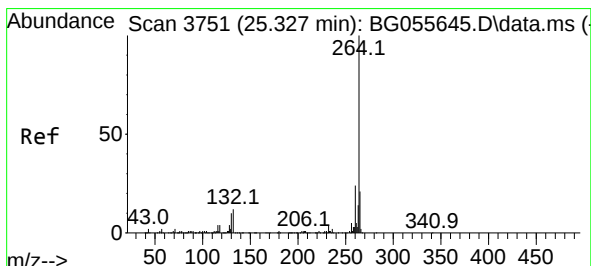
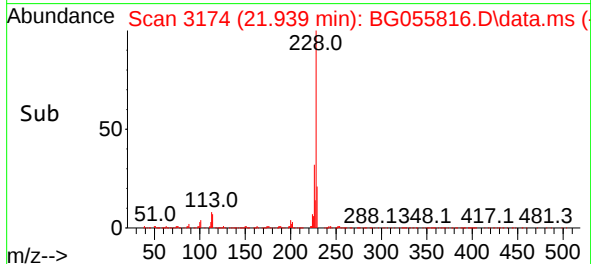
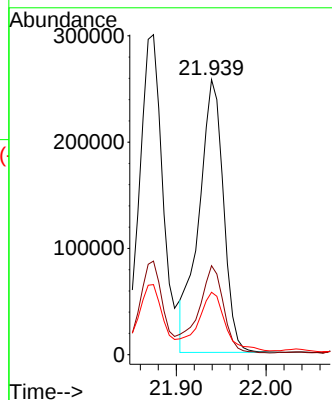
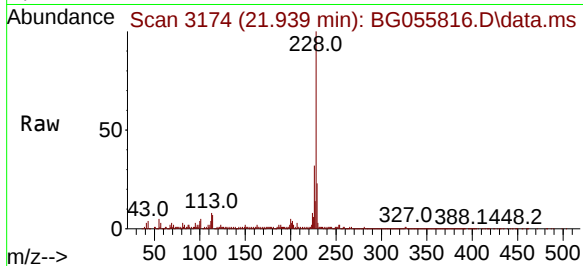




#83
Chrysene
Concen: 25.435 ng
RT: 21.939 min Scan# 3179
Delta R.T. -0.005 min
Lab File: BG055816.D
Acq: 28 Nov 2022 22:35

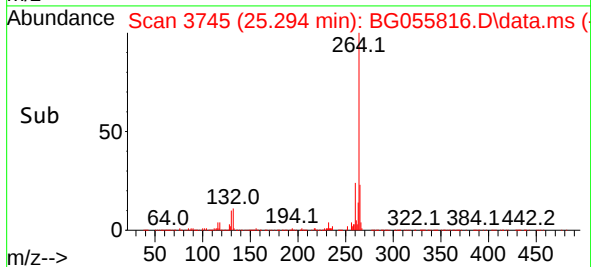
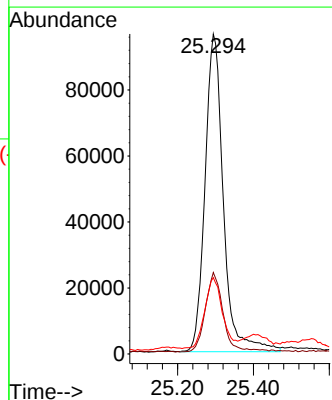
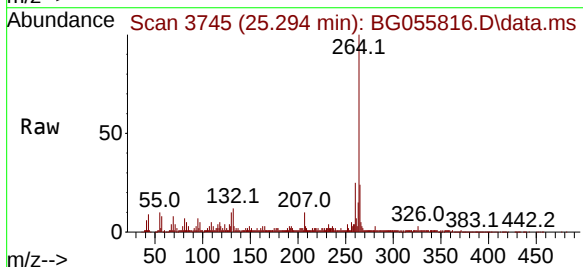
Instrument :
BNA_G
ClientSampleId :
LOCATION-1

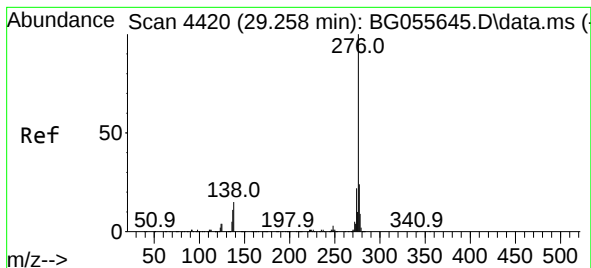
Tgt Ion:228 Resp: 490182
Ion Ratio Lower Upper
228 100
226 32.3 25.4 38.2
229 22.7 17.1 25.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.294 min Scan# 3745
Delta R.T. 0.006 min
Lab File: BG055816.D
Acq: 28 Nov 2022 22:35

Tgt Ion:264 Resp: 322487
Ion Ratio Lower Upper
264 100
260 25.5 19.5 29.3
265 23.9 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.021 ng

RT: 29.213 min Scan# 4420

Delta R.T. 0.001 min

Lab File: BG055816.D

Acq: 28 Nov 2022 22:35

Instrument :

BNA_G

ClientSampleId :

LOCATION-1

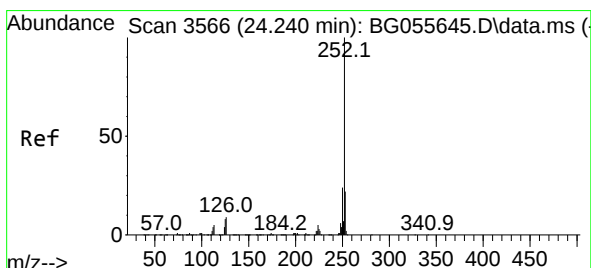
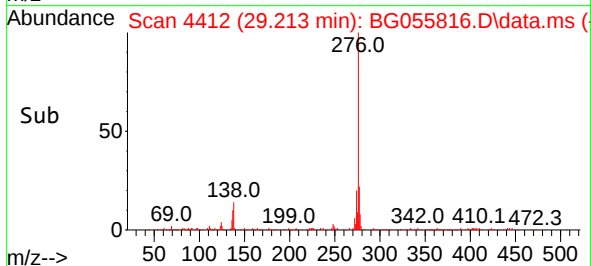
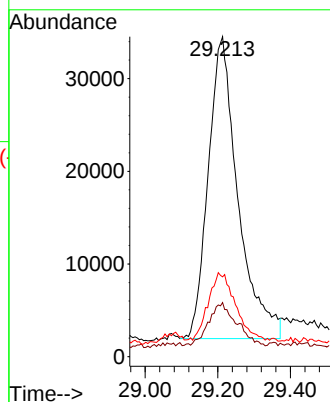
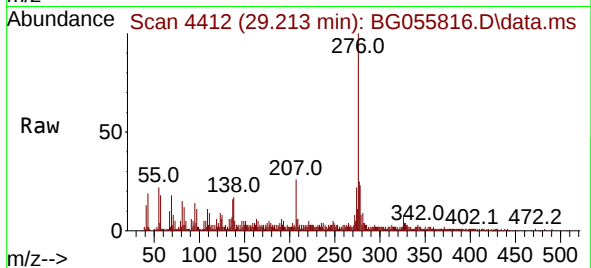
Tgt Ion:276 Resp: 185486

Ion Ratio Lower Upper

276 100

138 14.0 10.4 15.6

277 20.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 26.051 ng

RT: 24.213 min Scan# 3561

Delta R.T. 0.006 min

Lab File: BG055816.D

Acq: 28 Nov 2022 22:35

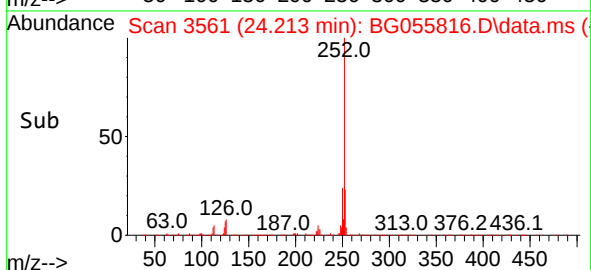
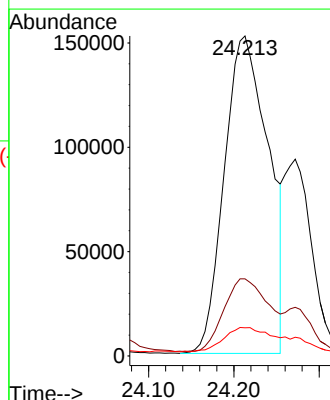
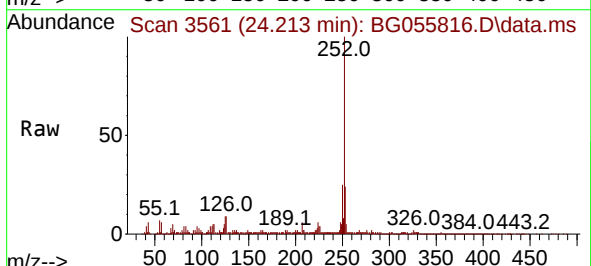
Tgt Ion:252 Resp: 547135

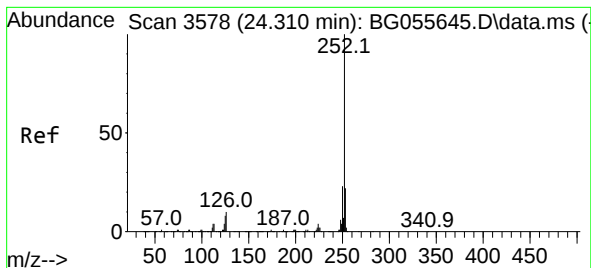
Ion Ratio Lower Upper

252 100

253 24.1 18.0 27.0

125 8.8 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 26.135 ng

RT: 24.213 min Scan# 3

Delta R.T. -0.064 min

Lab File: BG055816.D

Acq: 28 Nov 2022 22:35

Instrument :

BNA_G

ClientSampleId :

LOCATION-1

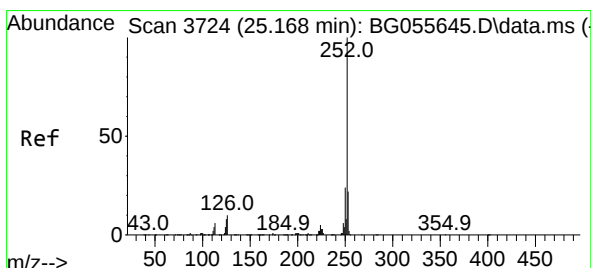
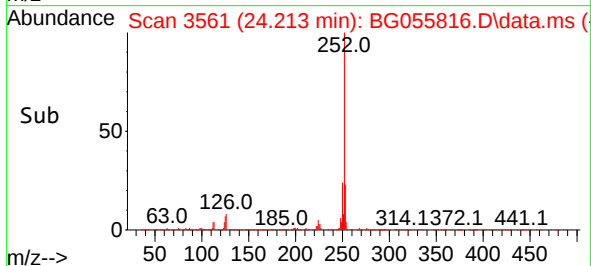
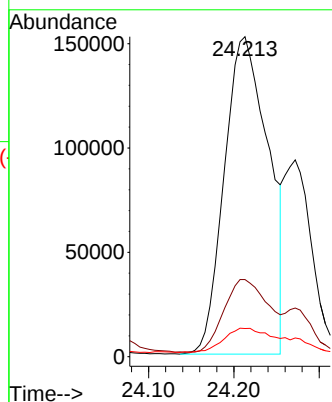
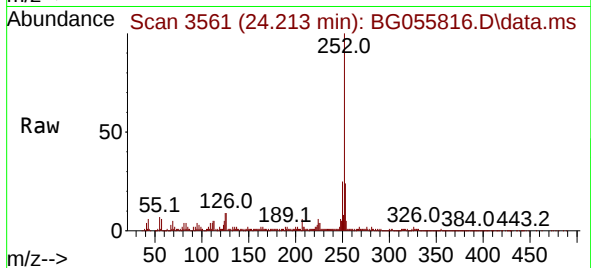
Tgt Ion:252 Resp: 547135

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

125 8.8 6.1 9.1



#90

Benzo(a)pyrene

Concen: 23.577 ng

RT: 25.136 min Scan# 3718

Delta R.T. 0.006 min

Lab File: BG055816.D

Acq: 28 Nov 2022 22:35

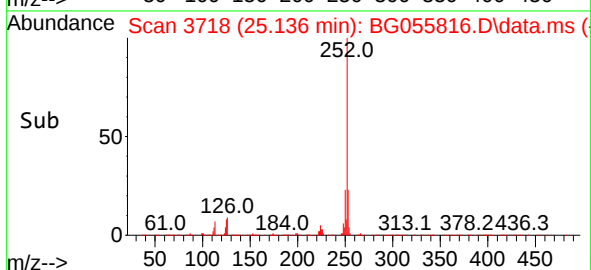
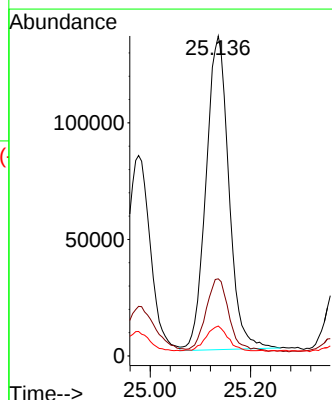
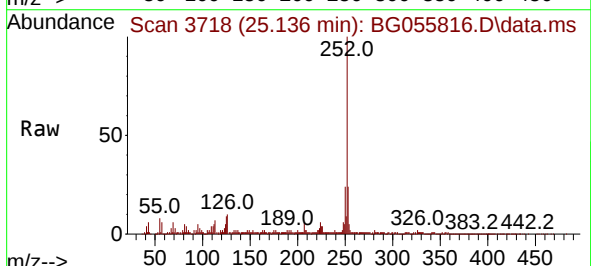
Tgt Ion:252 Resp: 424908

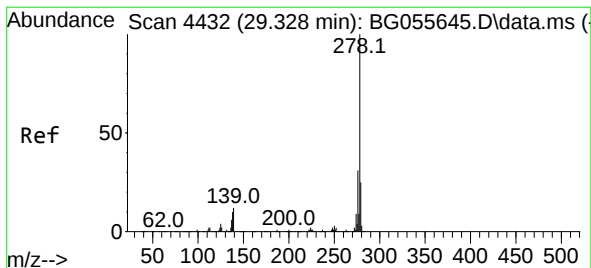
Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

125 9.3 6.4 9.6





#91

Dibenzo(a,h)anthracene

Concen: 2.420 ng

RT: 29.254 min Scan# 4432

Delta R.T. -0.011 min

Lab File: BG055816.D

Acq: 28 Nov 2022 22:35

Instrument :

BNA_G

ClientSampleId :

LOCATION-1

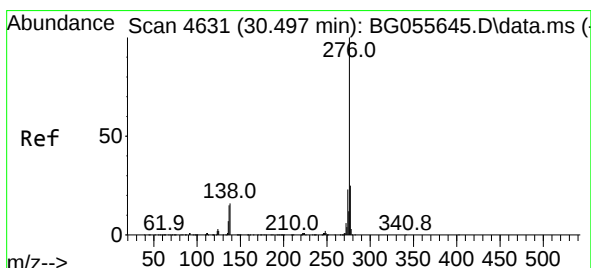
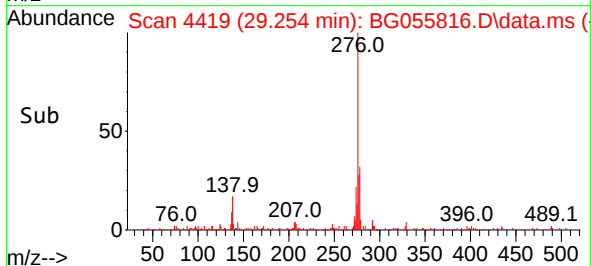
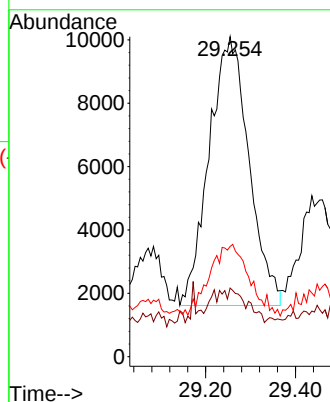
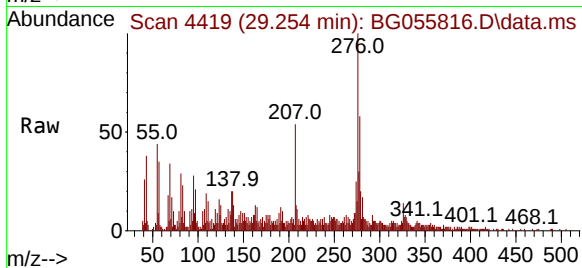
Tgt Ion:278 Resp: 52252

Ion Ratio Lower Upper

278 100

139 21.5 9.8 14.8#

279 34.5 19.8 29.6#



#92

Benzo(g,h,i)perylene

Concen: 7.673 ng

RT: 30.441 min Scan# 4621

Delta R.T. 0.006 min

Lab File: BG055816.D

Acq: 28 Nov 2022 22:35

Tgt Ion:276 Resp: 166951

Ion Ratio Lower Upper

276 100

277 27.0 19.8 29.6

138 18.6 13.1 19.7

