

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120722\
 Data File : BG055924.D
 Acq On : 7 Dec 2022 21:50
 Operator : CG/JU
 Sample : N5900-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

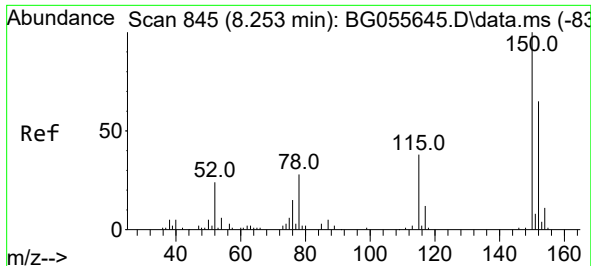
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-120622

Quant Time: Dec 08 05:10:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 07 05:04:10 2022
 Response via : Initial Calibration

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

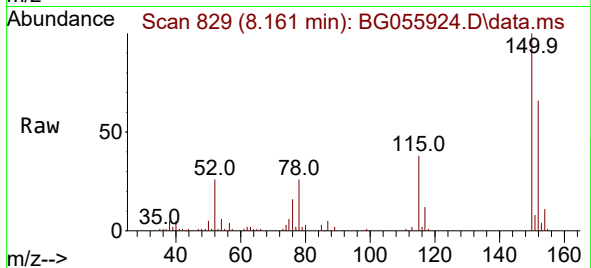
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.161	152	36364	20.000	ng	0.00
21) Naphthalene-d8	10.993	136	146771	20.000	ng	0.00
39) Acenaphthene-d10	14.794	164	95342	20.000	ng	0.00
64) Phenanthrene-d10	17.538	188	205943	20.000	ng	0.00
76) Chrysene-d12	21.821	240	176989	20.000	ng	0.00
86) Perylene-d12	25.176	264	188639	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	252651	125.583	ng	0.00
7) Phenol-d6	7.321	99	331800	123.896	ng	0.00
23) Nitrobenzene-d5	9.336	82	216677	78.029	ng	0.00
42) 2,4,6-Tribromophenol	16.287	330	151442	112.803	ng	0.00
45) 2-Fluorobiphenyl	13.419	172	468626	73.636	ng	0.00
79) Terphenyl-d14	20.129	244	605493	68.426	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.336	70	30005	14.582	ng	# 78
51) 2,6-Dinitrotoluene	14.794	165	12808	8.242	ng	# 26
52) Acenaphthene	14.859	154	19281	3.317	ng	98
55) Dibenzofuran	15.194	168	17946	2.002	ng	98
56) 4-Nitrophenol	15.188	139	6886	5.143	ng	# 9
57) 2,4-Dinitrotoluene	14.794	165	12808	5.846	ng	# 24
58) Fluorene	15.840	166	24974	3.487	ng	96
67) 4-Bromophenyl-phenylether	16.287	248	9847	4.196	ng	# 1
71) Phenanthrene	17.579	178	195353	17.578	ng	98
72) Anthracene	17.673	178	41750	3.866	ng	97
75) Fluoranthene	19.583	202	311779	23.060	ng	100
78) Pyrene	19.941	202	280745	23.434	ng	99
81) Benzo(a)anthracene	21.798	228	165629	13.587	ng	98
83) Chrysene	21.868	228	155125	13.367	ng	99
84) Bis(2-ethylhexyl)phtha...	21.668	149	60295	8.946	ng	# 98
87) Indeno(1,2,3-cd)pyrene	29.036	276	56409	3.650	ng	99
88) Benzo(b)fluoranthene	24.107	252	188211	15.320	ng	# 92
89) Benzo(k)fluoranthene	24.107	252	188211	15.369	ng	# 91
90) Benzo(a)pyrene	25.017	252	137431	13.036	ng	# 92
92) Benzo(g,h,i)perylene	30.258	276	51274	4.028	ng	# 92

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

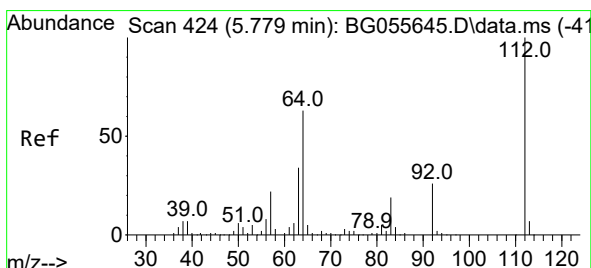
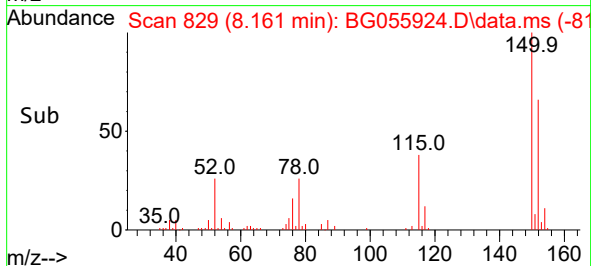
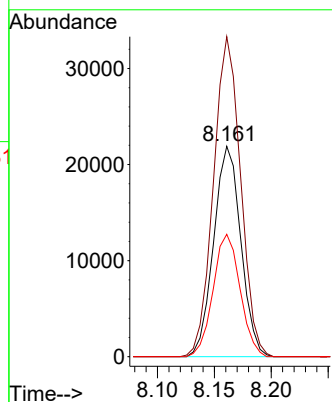


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.161 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG055924.D
Acq: 7 Dec 2022 21:50

Instrument :
BNA_G
ClientSampleId :
CL-02-120622

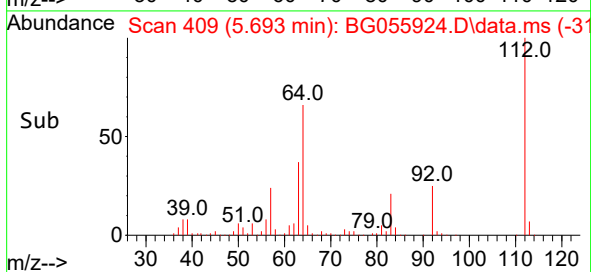
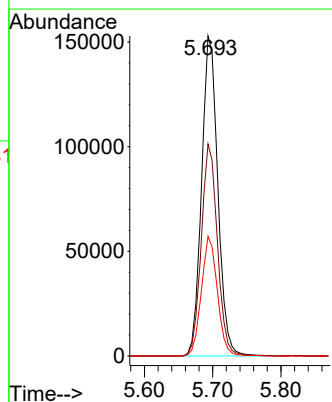
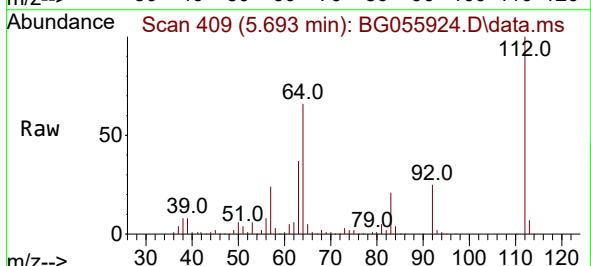


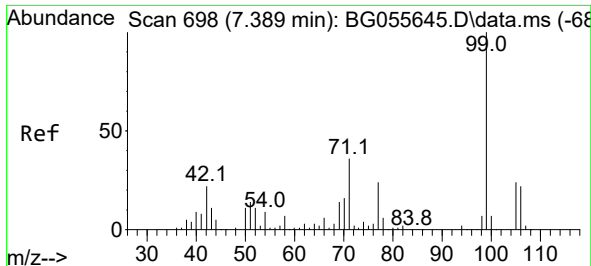
Tgt Ion:152 Resp: 36364
Ion Ratio Lower Upper
152 100
150 152.1 123.0 184.6
115 58.2 47.0 70.4



#5
2-Fluorophenol
Concen: 125.583 ng
RT: 5.693 min Scan# 409
Delta R.T. -0.001 min
Lab File: BG055924.D
Acq: 7 Dec 2022 21:50

Tgt Ion:112 Resp: 252651
Ion Ratio Lower Upper
112 100
64 66.2 50.6 76.0
63 37.4 27.5 41.3

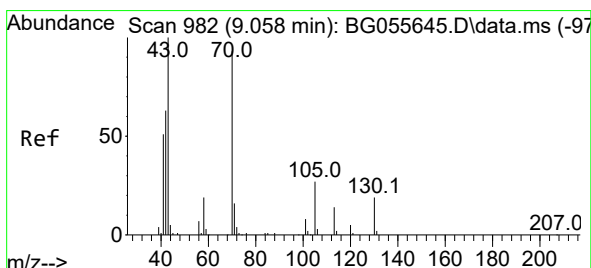
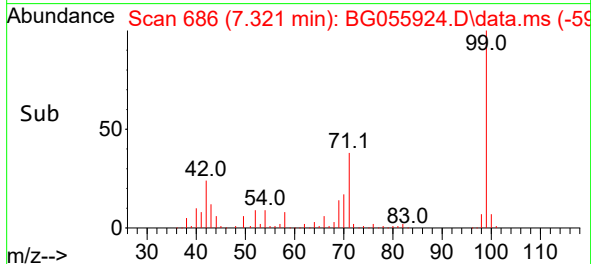
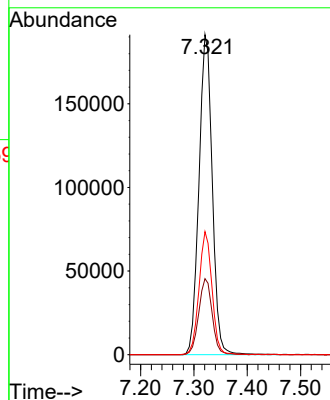
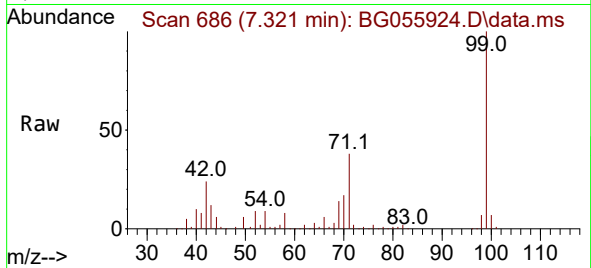




#7
Phenol-d6
Concen: 123.896 ng
RT: 7.321 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG055924.D
Acq: 7 Dec 2022 21:50

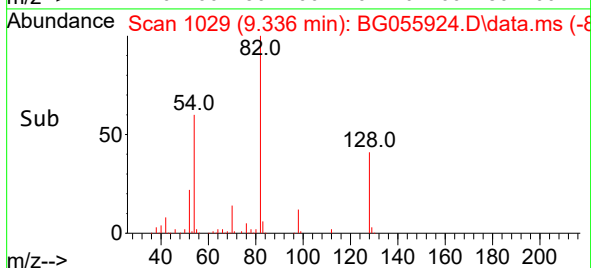
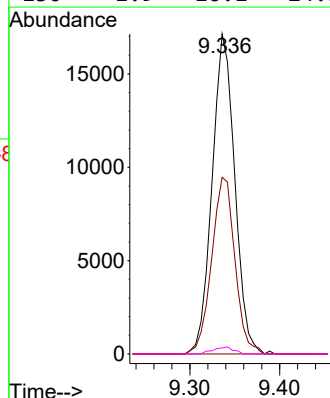
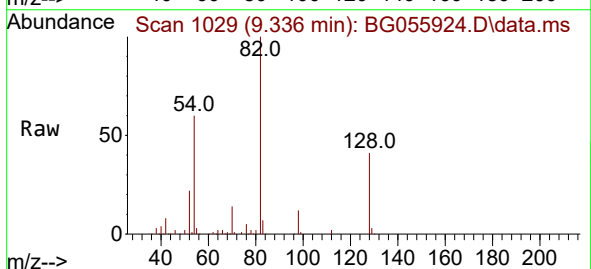
Instrument :
BNA_G
ClientSampleId :
CL-02-120622

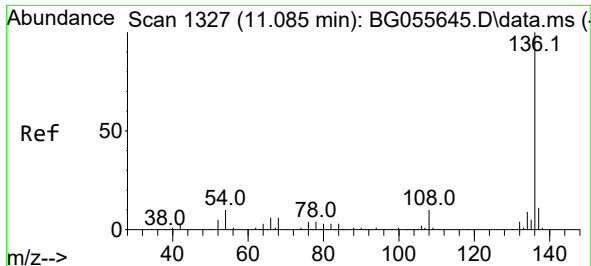
Tgt Ion: 99 Resp: 331800
Ion Ratio Lower Upper
99 100
42 23.7 18.0 27.0
71 38.4 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 14.582 ng
RT: 9.336 min Scan# 1029
Delta R.T. 0.363 min
Lab File: BG055924.D
Acq: 7 Dec 2022 21:50

Tgt Ion: 70 Resp: 30005
Ion Ratio Lower Upper
70 100
42 55.2 55.2 82.8#
101 0.0 7.1 10.7#
130 1.9 16.1 24.1#

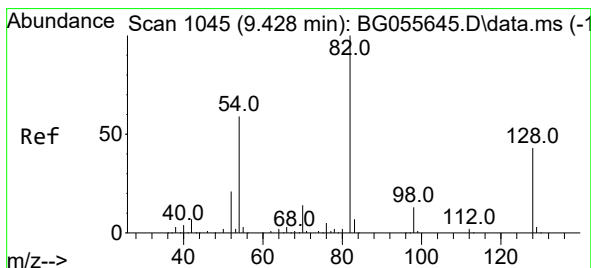
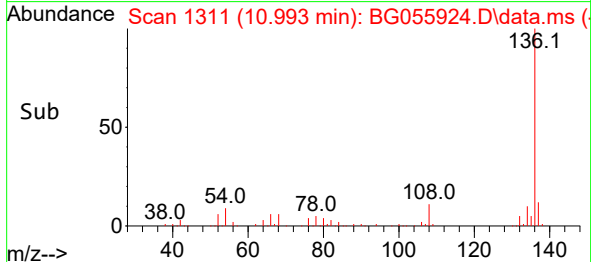
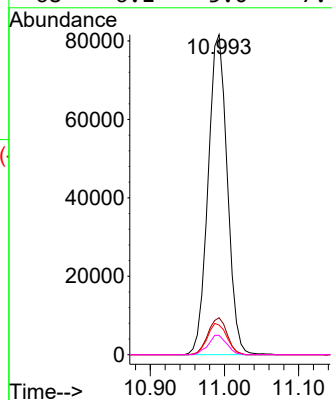
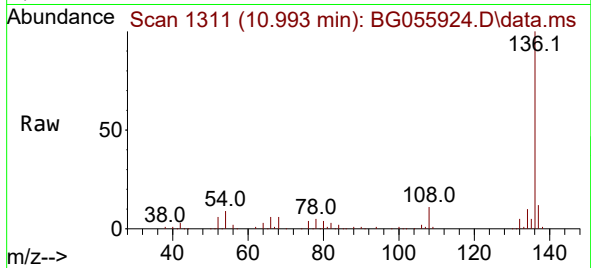




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.993 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG055924.D
Acq: 7 Dec 2022 21:50

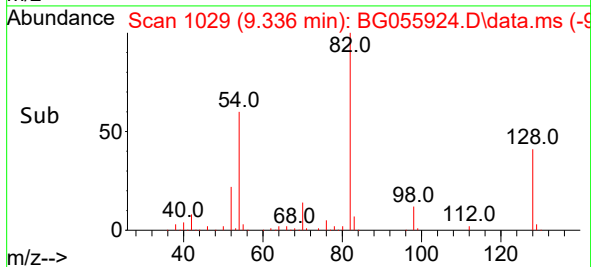
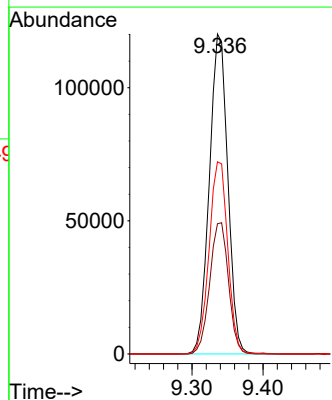
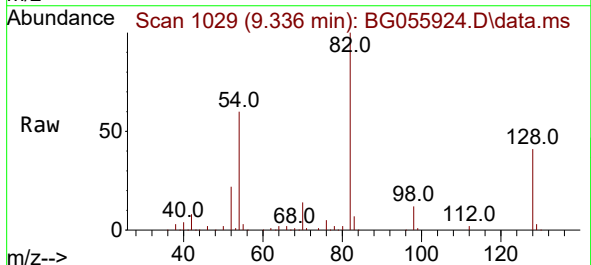
Instrument :
BNA_G
ClientSampleId :
CL-02-120622

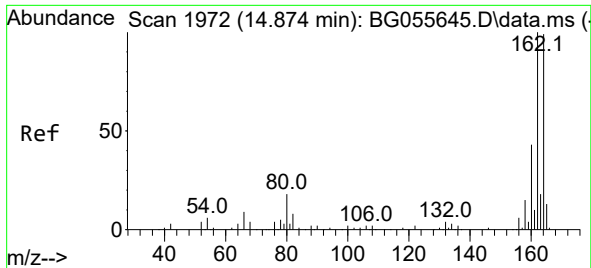
Tgt Ion:136 Resp: 146771
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 9.3 7.8 11.6
68 6.1 5.0 7.4



#23
Nitrobenzene-d5
Concen: 78.029 ng
RT: 9.336 min Scan# 1029
Delta R.T. -0.007 min
Lab File: BG055924.D
Acq: 7 Dec 2022 21:50

Tgt Ion: 82 Resp: 216677
Ion Ratio Lower Upper
82 100
128 40.7 34.1 51.1
54 60.1 47.3 70.9

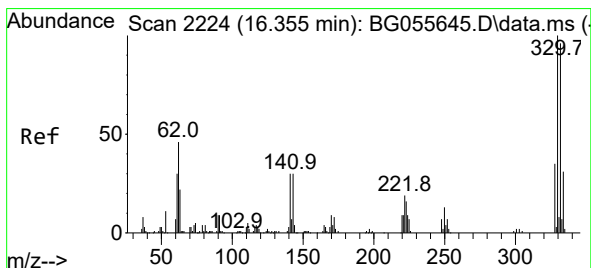
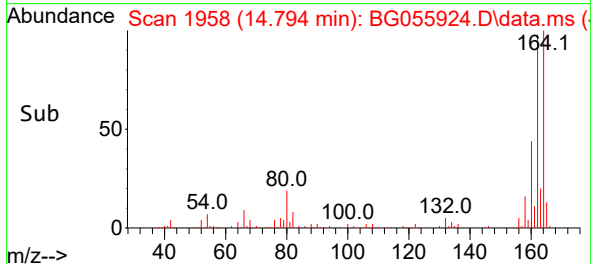
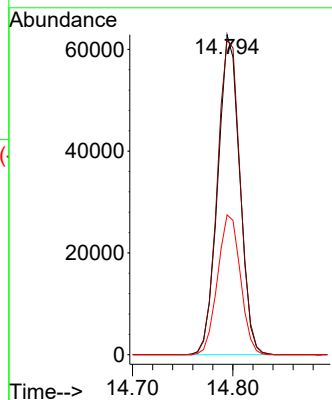
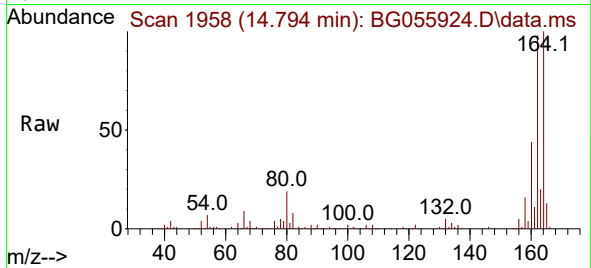




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.794 min Scan# 1958
 Delta R.T. -0.007 min
 Lab File: BG055924.D
 Acq: 7 Dec 2022 21:50

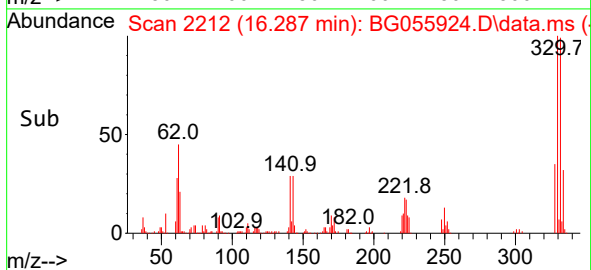
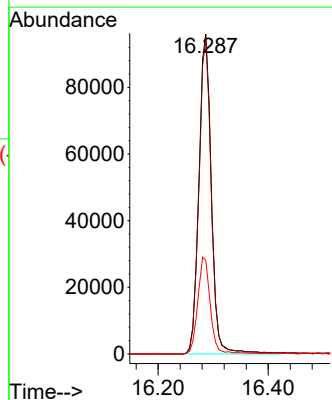
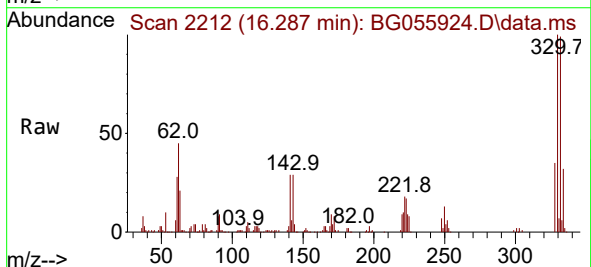
Instrument :
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 ClientSampleId :
 CL-02-120622

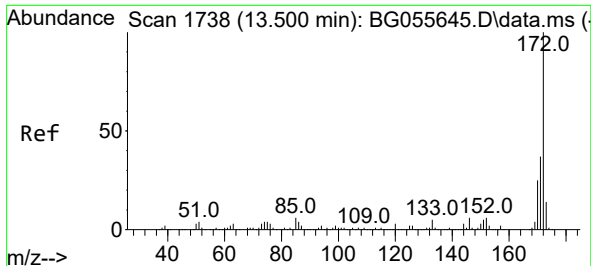
Tgt Ion:164 Resp: 95342
 Ion Ratio Lower Upper
 164 100
 162 98.3 81.1 121.7
 160 43.7 34.8 52.2



#42
 2,4,6-Tribromophenol
 Concen: 112.803 ng
 RT: 16.287 min Scan# 2212
 Delta R.T. -0.001 min
 Lab File: BG055924.D
 Acq: 7 Dec 2022 21:50

Tgt Ion:330 Resp: 151442
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.8 116.8
 141 30.5 23.9 35.9

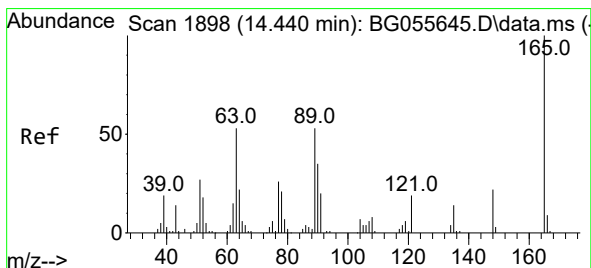
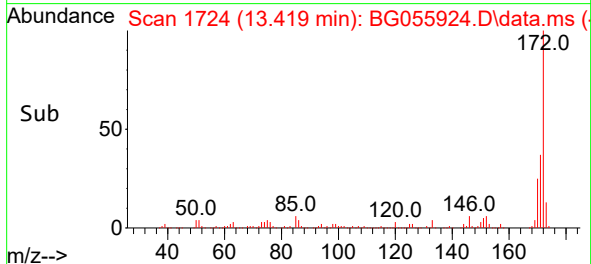
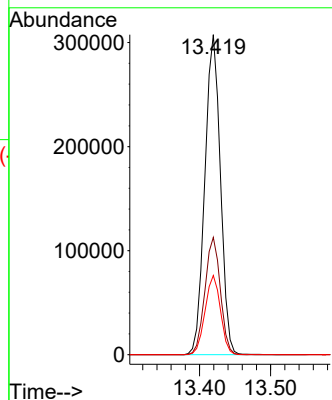
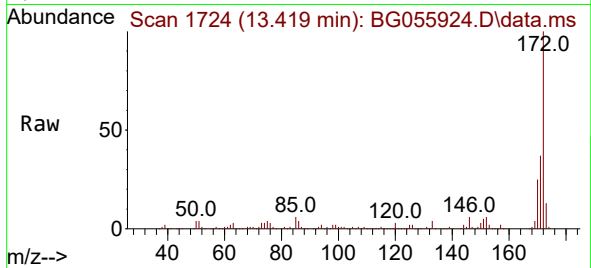




#45
2-Fluorobiphenyl
Concen: 73.636 ng
RT: 13.419 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG055924.D
Acq: 7 Dec 2022 21:50

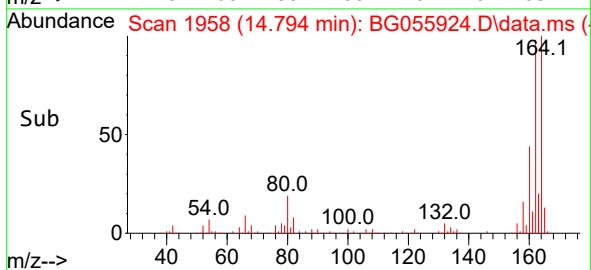
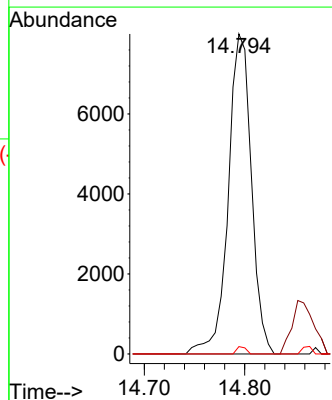
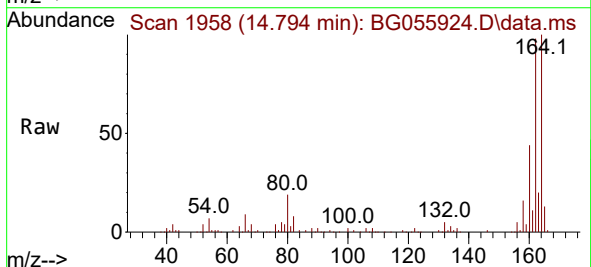
Instrument :
BNA_G
ClientSampleId :
CL-02-120622

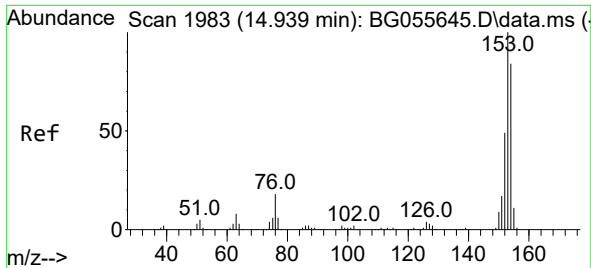
Tgt Ion:172 Resp: 468626
Ion Ratio Lower Upper
172 100
171 36.7 29.8 44.6
170 24.7 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.242 ng
RT: 14.794 min Scan# 1958
Delta R.T. 0.422 min
Lab File: BG055924.D
Acq: 7 Dec 2022 21:50

Tgt Ion:165 Resp: 12808
Ion Ratio Lower Upper
165 100
63 0.0 44.6 66.8#
89 2.3 42.2 63.4#

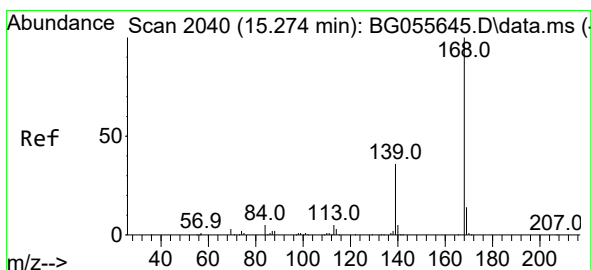
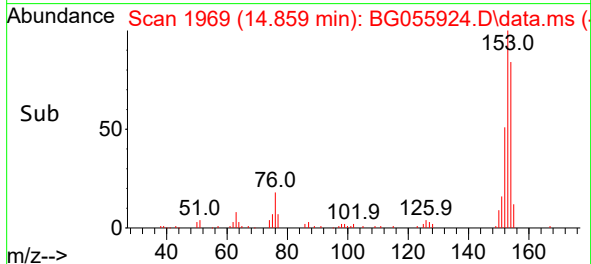
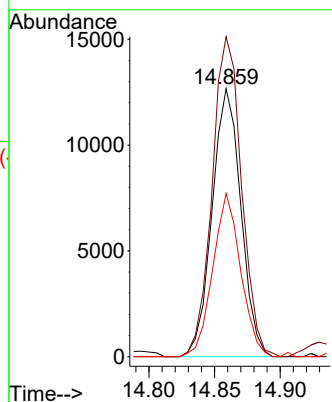
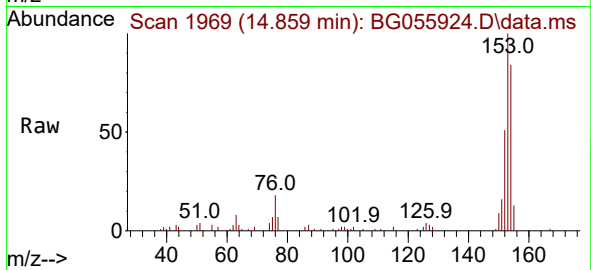




#52
Acenaphthene
Concen: 3.317 ng
RT: 14.859 min Scan# 1983
Delta R.T. -0.007 min
Lab File: BG055924.D
Acq: 7 Dec 2022 21:50

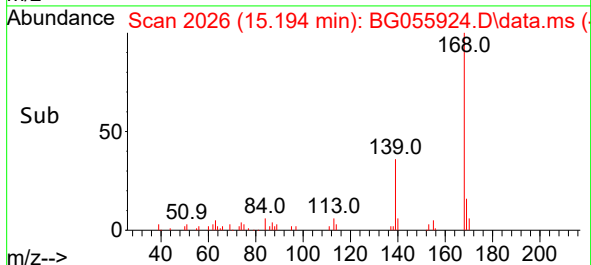
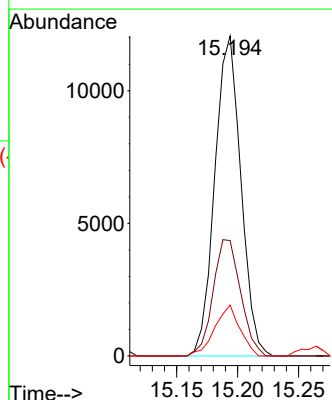
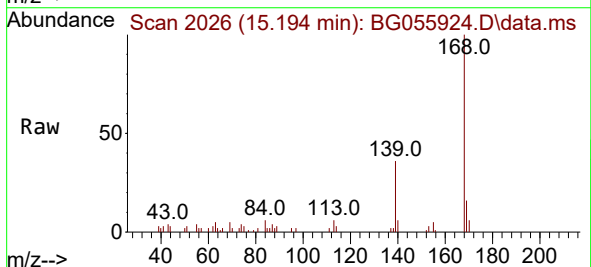
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CL-02-120622

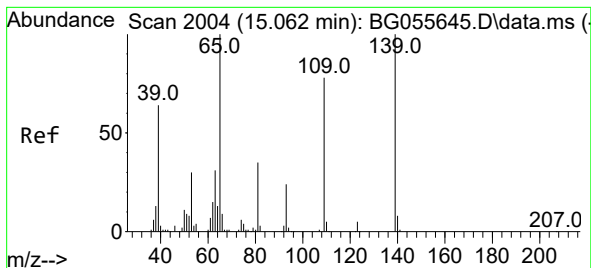
Tgt Ion:154 Resp: 19281
Ion Ratio Lower Upper
154 100
153 119.4 95.0 142.4
152 60.9 46.1 69.1



#55
Dibenzofuran
Concen: 2.002 ng
RT: 15.194 min Scan# 2026
Delta R.T. -0.001 min
Lab File: BG055924.D
Acq: 7 Dec 2022 21:50

Tgt Ion:168 Resp: 17946
Ion Ratio Lower Upper
168 100
139 36.0 28.8 43.2
169 15.9 11.0 16.4





#56

4-Nitrophenol

Concen: 5.143 ng

RT: 15.188 min Scan# 20

Delta R.T. 0.157 min

Lab File: BG055924.D

Acq: 7 Dec 2022 21:50

Instrument :

BNA_G

ClientSampleId :

CL-02-120622

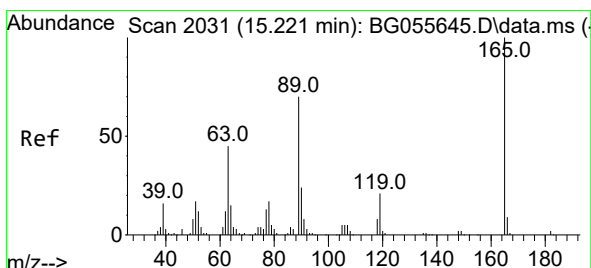
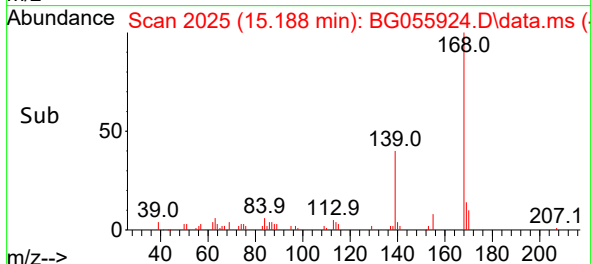
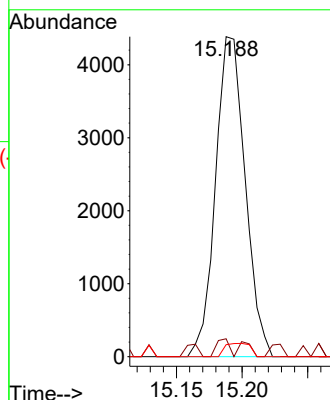
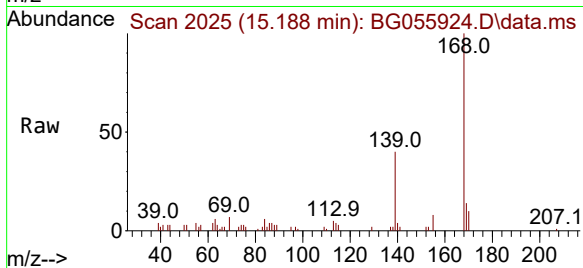
Tgt Ion:139 Resp: 6886

Ion Ratio Lower Upper

139 100

109 5.6 58.6 98.6#

65 3.7 80.5 120.5#



#57

2,4-Dinitrotoluene

Concen: 5.846 ng

RT: 14.794 min Scan# 1958

Delta R.T. -0.371 min

Lab File: BG055924.D

Acq: 7 Dec 2022 21:50

Tgt Ion:165 Resp: 12808

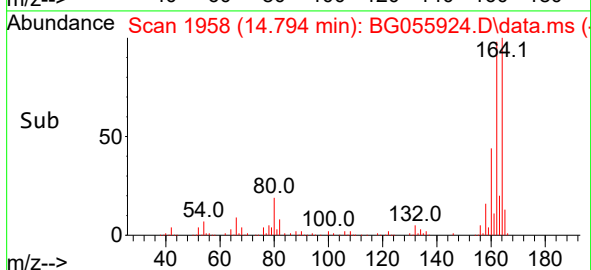
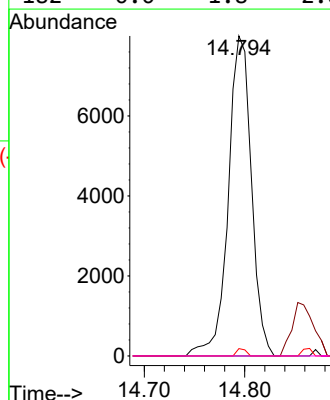
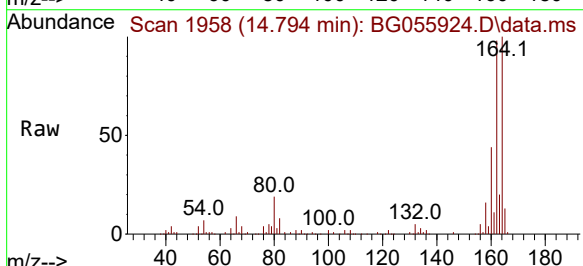
Ion Ratio Lower Upper

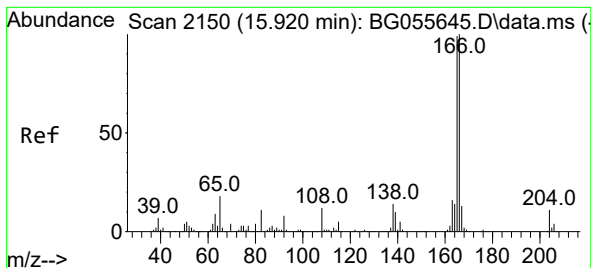
165 100

63 0.0 35.8 53.8#

89 2.3 56.2 84.4#

182 0.0 1.8 2.8#





#58

Fluorene

Concen: 3.487 ng

RT: 15.840 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG055924.D

Acq: 7 Dec 2022 21:50

Instrument :

BNA_G

ClientSampleId :

CL-02-120622

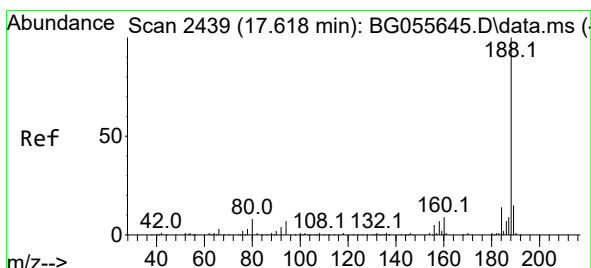
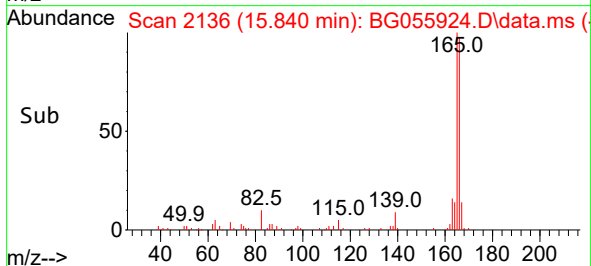
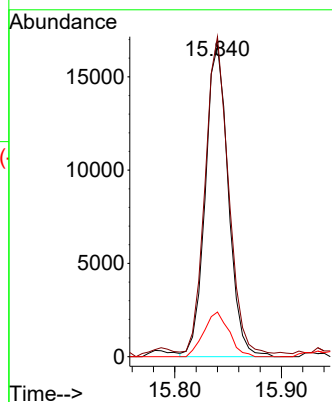
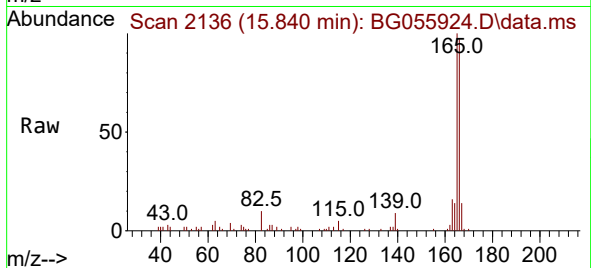
Tgt Ion:166 Resp: 24974

Ion Ratio Lower Upper

166 100

165 102.8 79.3 118.9

167 14.3 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.538 min Scan# 2425

Delta R.T. -0.007 min

Lab File: BG055924.D

Acq: 7 Dec 2022 21:50

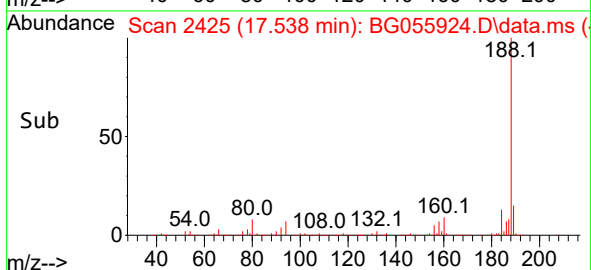
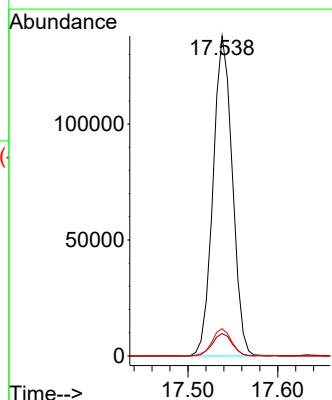
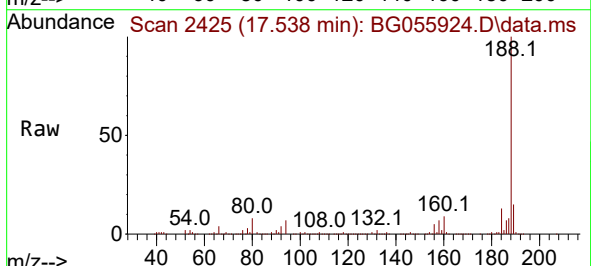
Tgt Ion:188 Resp: 205943

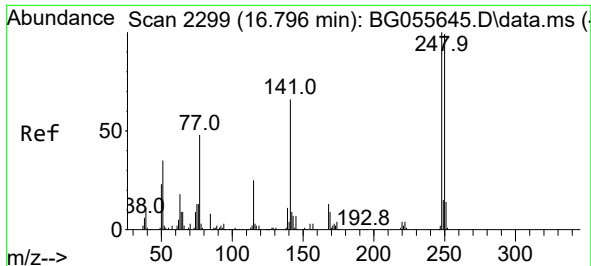
Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.2

80 8.5 6.6 10.0

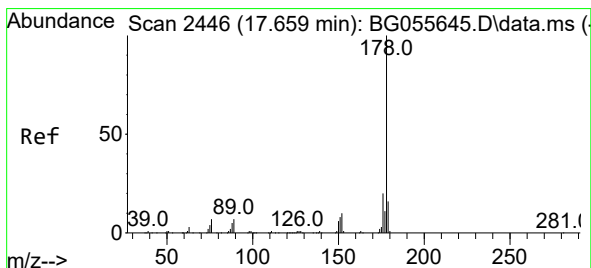
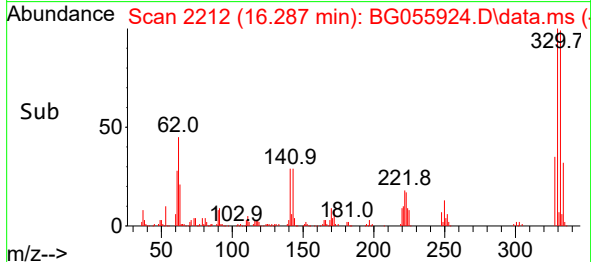
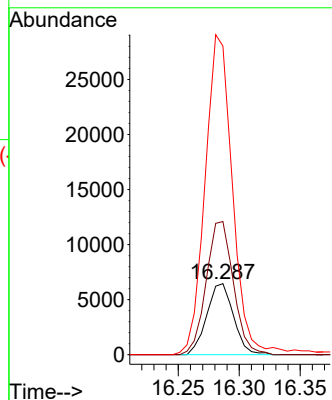
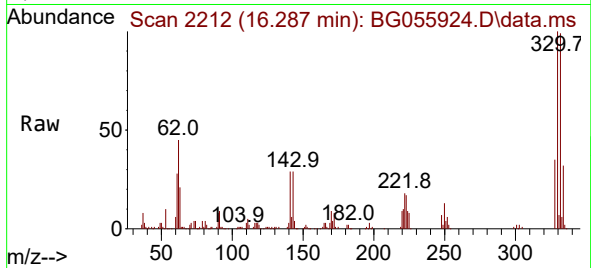




#67
4-Bromophenyl-phenylether
Concen: 4.196 ng
RT: 16.287 min Scan# 2111
Delta R.T. -0.436 min
Lab File: BG055924.D
Acq: 7 Dec 2022 21:50

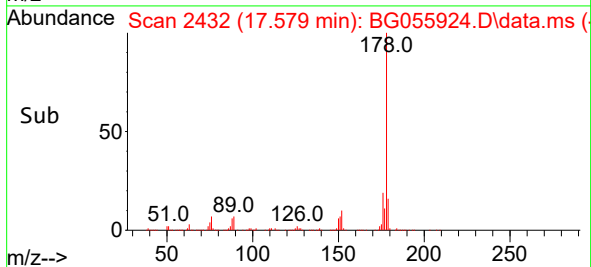
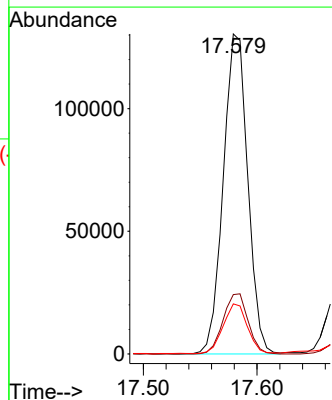
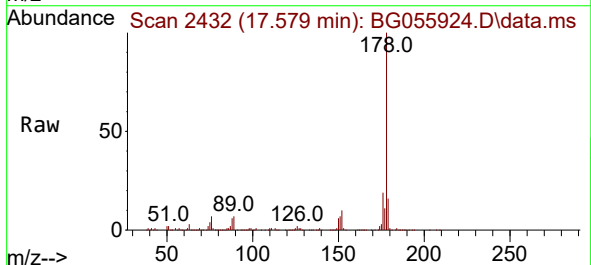
Instrument :
BNA_G
ClientSampleId :
CL-02-120622

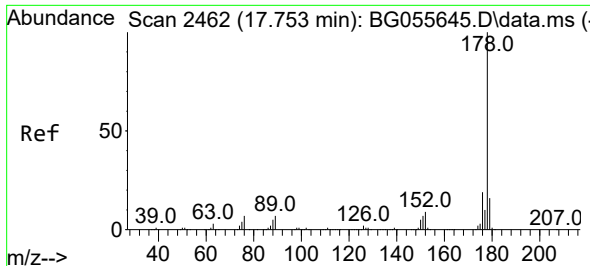
Tgt Ion:248 Resp: 9847
Ion Ratio Lower Upper
248 100
250 187.5 79.0 118.4#
141 434.7 52.9 79.3#



#71
Phenanthrene
Concen: 17.578 ng
RT: 17.579 min Scan# 2432
Delta R.T. -0.007 min
Lab File: BG055924.D
Acq: 7 Dec 2022 21:50

Tgt Ion:178 Resp: 195353
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.6 12.7 19.1

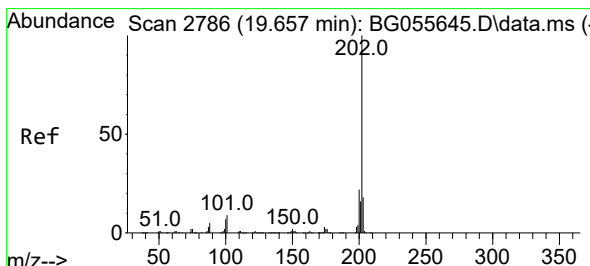
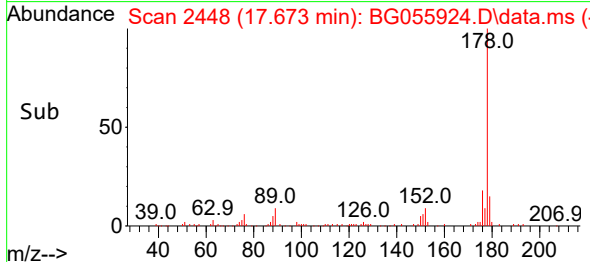
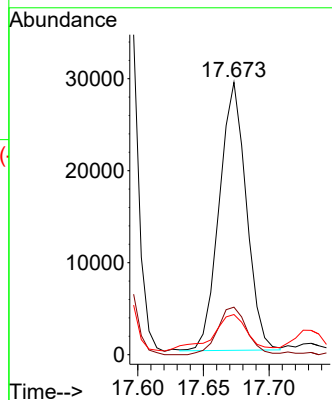
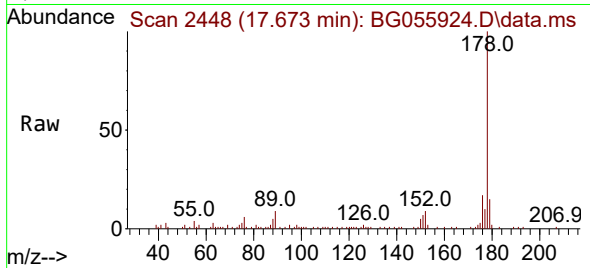




#72
 Anthracene
 Concen: 3.866 ng
 RT: 17.673 min Scan# 2462
 Delta R.T. -0.001 min
 Lab File: BG055924.D
 Acq: 7 Dec 2022 21:50

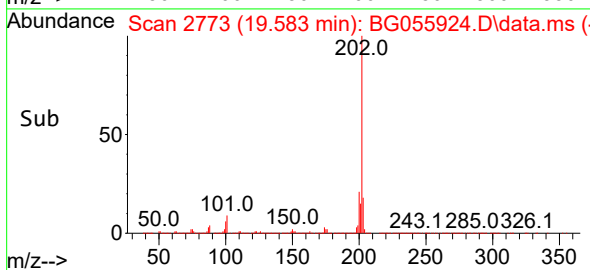
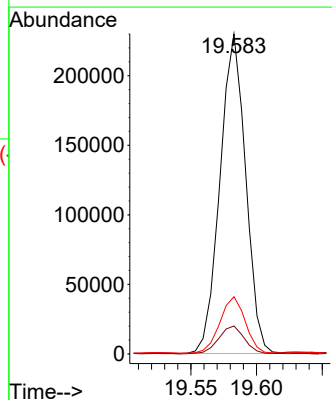
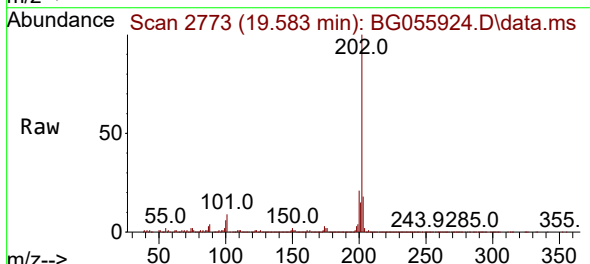
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-120622

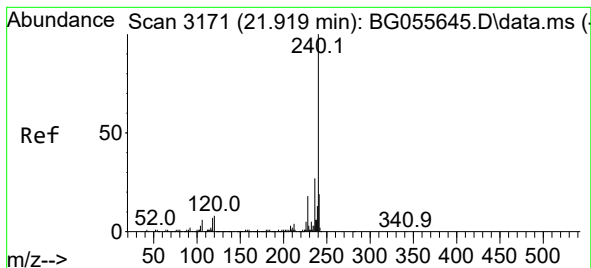
Tgt Ion:178 Resp: 41750
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.5 23.3
 179 14.8 12.5 18.7



#75
 Fluoranthene
 Concen: 23.060 ng
 RT: 19.583 min Scan# 2773
 Delta R.T. -0.001 min
 Lab File: BG055924.D
 Acq: 7 Dec 2022 21:50

Tgt Ion:202 Resp: 311779
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 28.8
 203 17.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.821 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG055924.D

Acq: 7 Dec 2022 21:50

Instrument :

BNA_G

ClientSampleId :

CL-02-120622

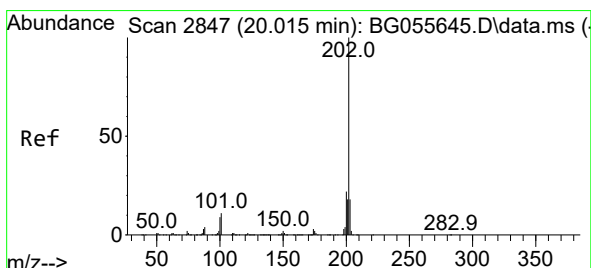
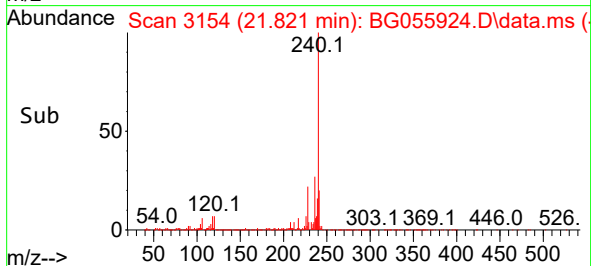
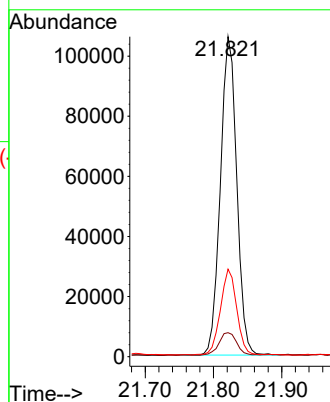
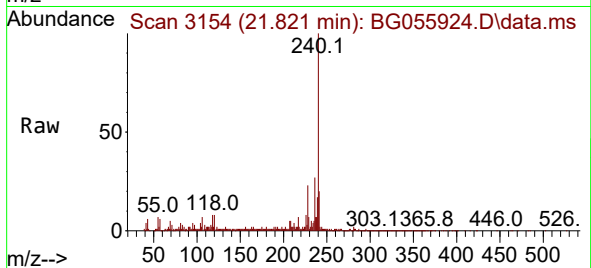
Tgt Ion:240 Resp: 176989

Ion Ratio Lower Upper

240 100

120 7.5 6.3 9.5

236 27.3 21.9 32.9



#78

Pyrene

Concen: 23.434 ng

RT: 19.941 min Scan# 2834

Delta R.T. -0.007 min

Lab File: BG055924.D

Acq: 7 Dec 2022 21:50

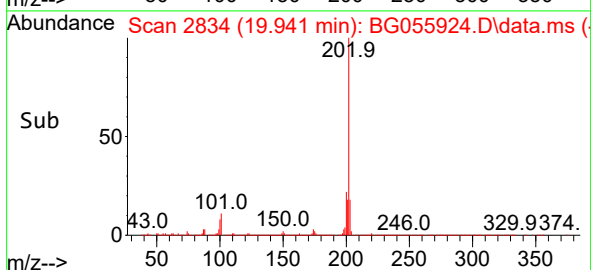
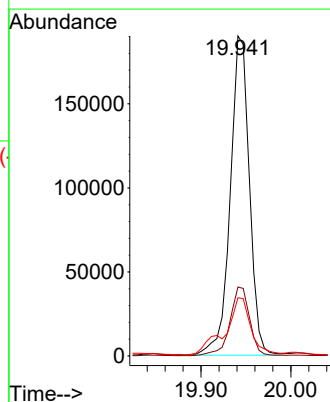
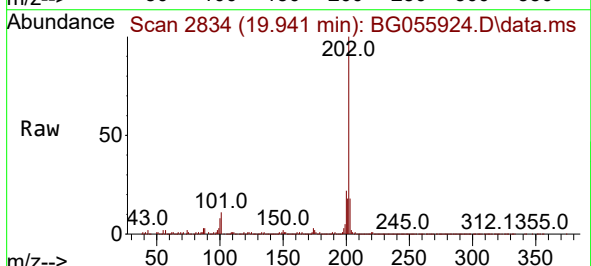
Tgt Ion:202 Resp: 280745

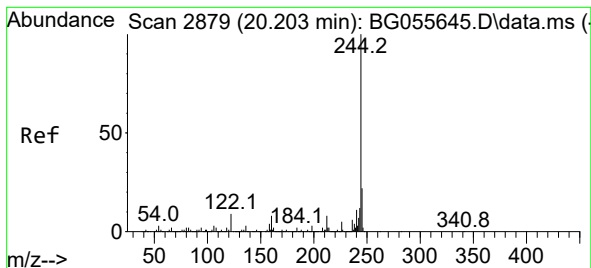
Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.6

203 18.2 14.4 21.6





#79

Terphenyl-d14

Concen: 68.426 ng

RT: 20.129 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG055924.D

Acq: 7 Dec 2022 21:50

Instrument :

BNA_G

ClientSampleId :

CL-02-120622

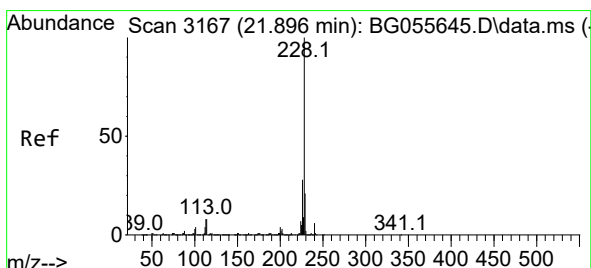
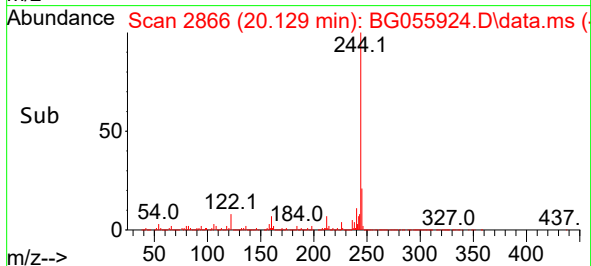
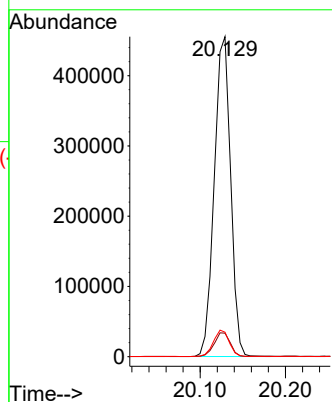
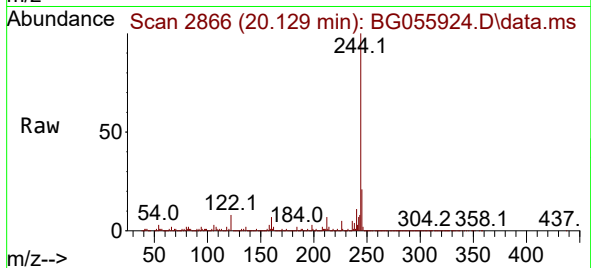
Tgt Ion:244 Resp: 605493

Ion Ratio Lower Upper

244 100

212 7.4 6.3 9.5

122 7.6 6.9 10.3



#81

Benzo(a)anthracene

Concen: 13.587 ng

RT: 21.798 min Scan# 3150

Delta R.T. -0.007 min

Lab File: BG055924.D

Acq: 7 Dec 2022 21:50

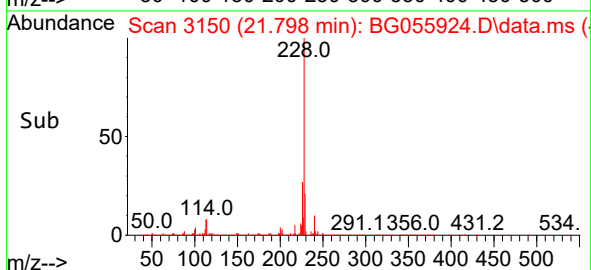
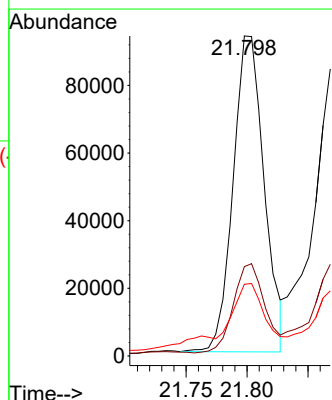
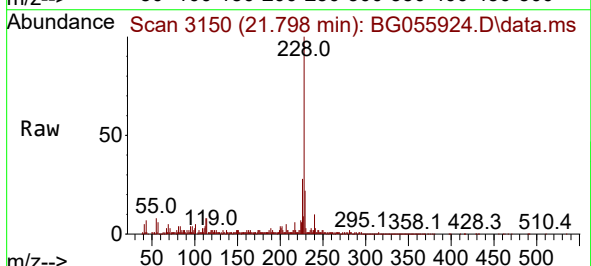
Tgt Ion:228 Resp: 165629

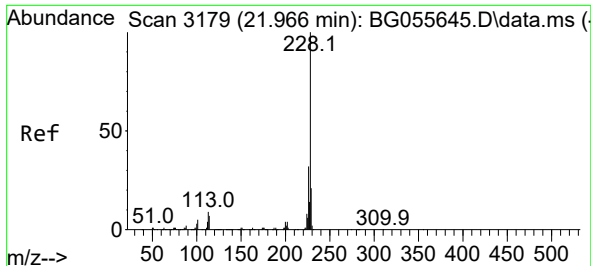
Ion Ratio Lower Upper

228 100

226 27.9 22.7 34.1

229 22.4 16.5 24.7





#83

Chrysene

Concen: 13.367 ng

RT: 21.868 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG055924.D

Acq: 7 Dec 2022 21:50

Instrument :

BNA_G

ClientSampleId :

CL-02-120622

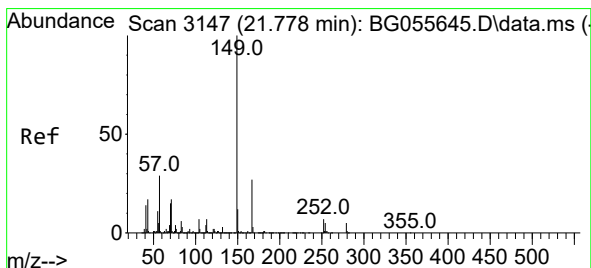
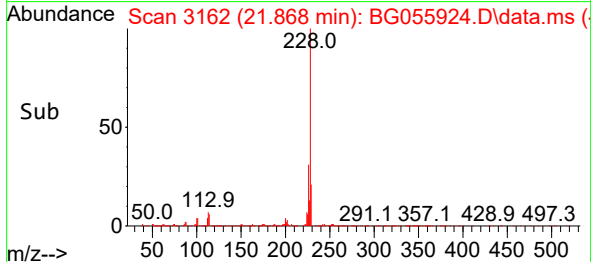
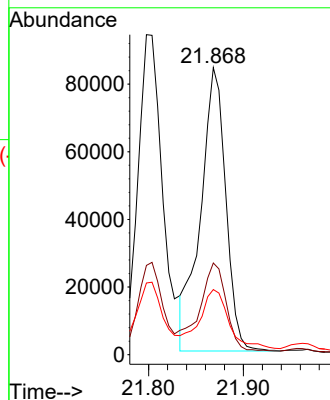
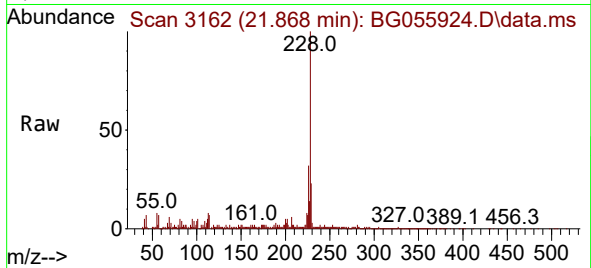
Tgt Ion:228 Resp: 155125

Ion Ratio Lower Upper

228 100

226 31.9 25.4 38.2

229 22.7 17.1 25.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.946 ng

RT: 21.668 min Scan# 3128

Delta R.T. -0.001 min

Lab File: BG055924.D

Acq: 7 Dec 2022 21:50

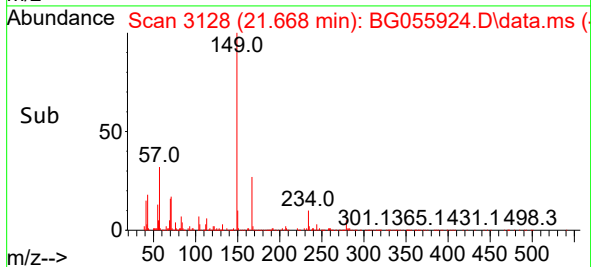
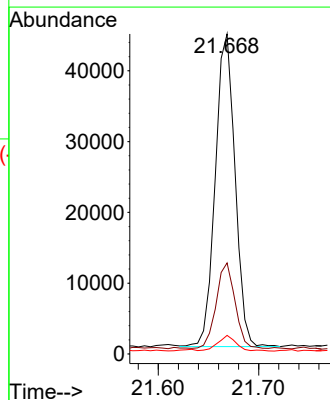
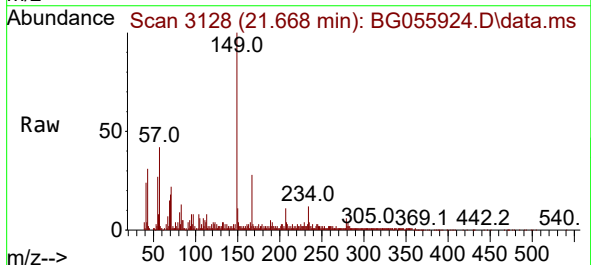
Tgt Ion:149 Resp: 60295

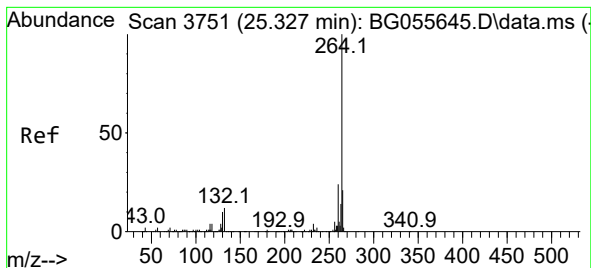
Ion Ratio Lower Upper

149 100

167 28.4 22.0 33.0

279 5.8 3.7 5.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.176 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG055924.D

Acq: 7 Dec 2022 21:50

Instrument :

BNA_G

ClientSampleId :

CL-02-120622

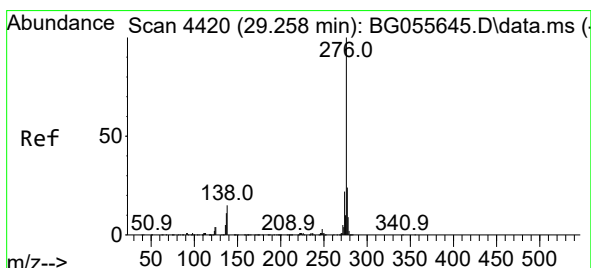
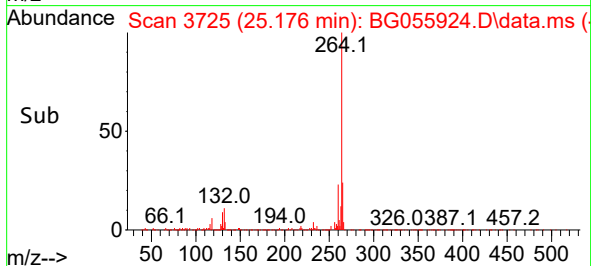
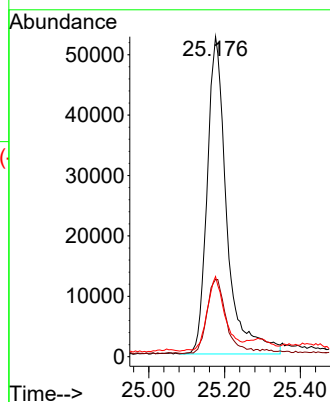
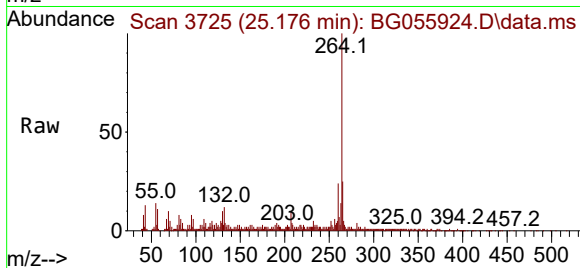
Tgt Ion:264 Resp: 188639

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 25.1 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.650 ng

RT: 29.036 min Scan# 4382

Delta R.T. -0.007 min

Lab File: BG055924.D

Acq: 7 Dec 2022 21:50

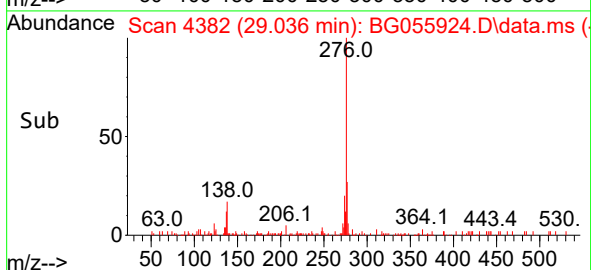
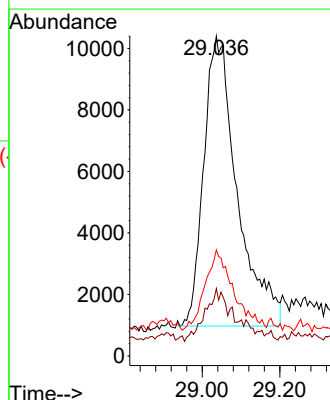
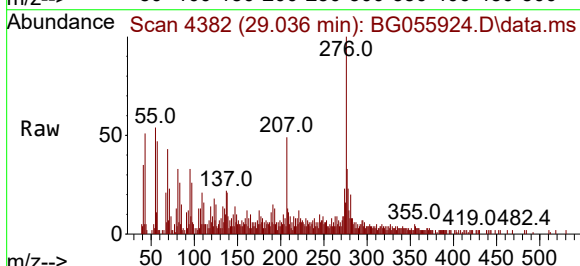
Tgt Ion:276 Resp: 56409

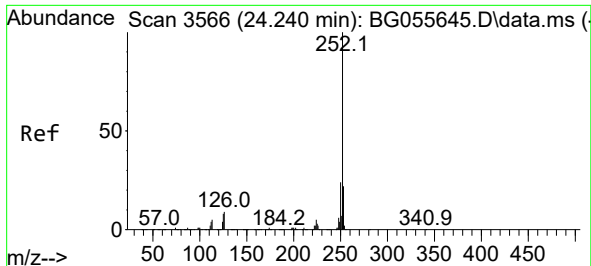
Ion Ratio Lower Upper

276 100

138 12.8 10.4 15.6

277 24.3 20.2 30.4

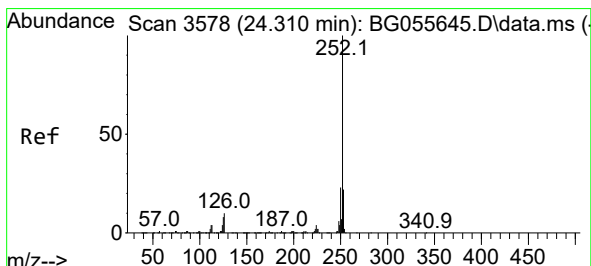
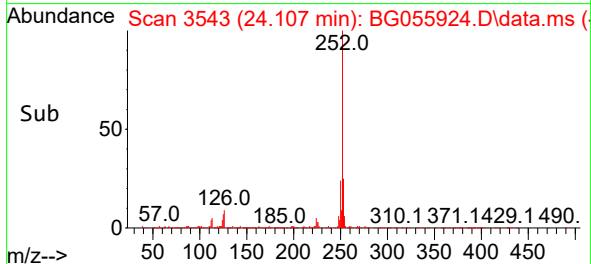
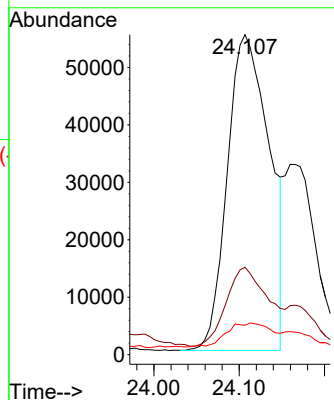
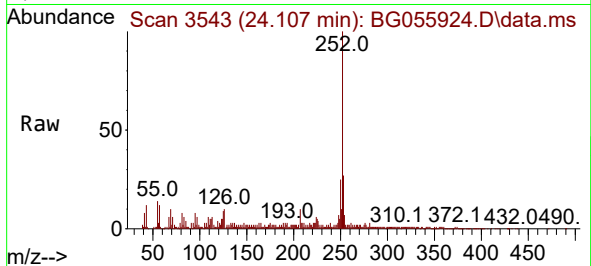




#88
Benzo(b)fluoranthene
Concen: 15.320 ng
RT: 24.107 min Scan# 3566
Delta R.T. -0.001 min
Lab File: BG055924.D
Acq: 7 Dec 2022 21:50

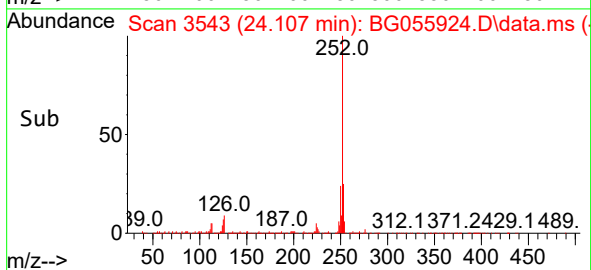
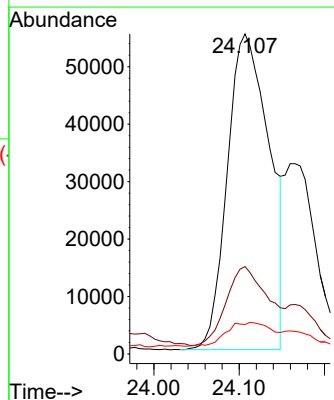
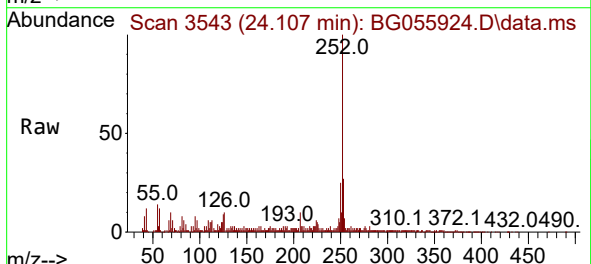
Instrument :
BNA_G
ClientSampleId :
CL-02-120622

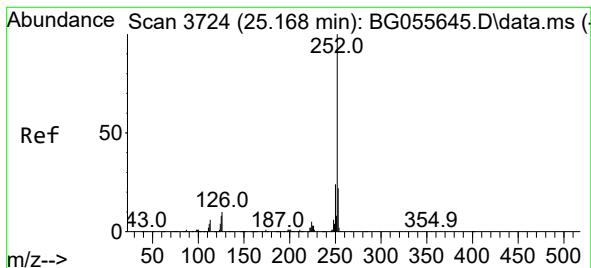
Tgt Ion:252 Resp: 188211
Ion Ratio Lower Upper
252 100
253 27.3 18.0 27.0#
125 9.2 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 15.369 ng
RT: 24.107 min Scan# 3543
Delta R.T. -0.072 min
Lab File: BG055924.D
Acq: 7 Dec 2022 21:50

Tgt Ion:252 Resp: 188211
Ion Ratio Lower Upper
252 100
253 27.3 17.8 26.6#
125 9.2 6.1 9.1#





#90

Benzo(a)pyrene

Concen: 13.036 ng

RT: 25.017 min Scan# 3

Delta R.T. -0.001 min

Lab File: BG055924.D

Acq: 7 Dec 2022 21:50

Instrument :

BNA_G

ClientSampleId :

CL-02-120622

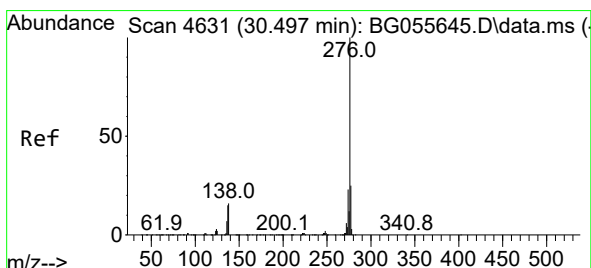
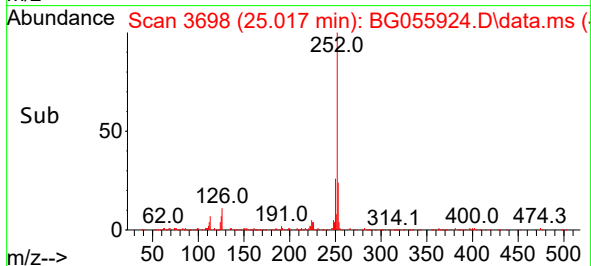
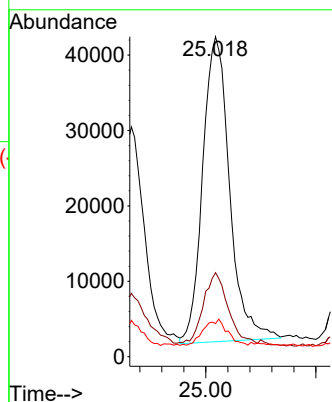
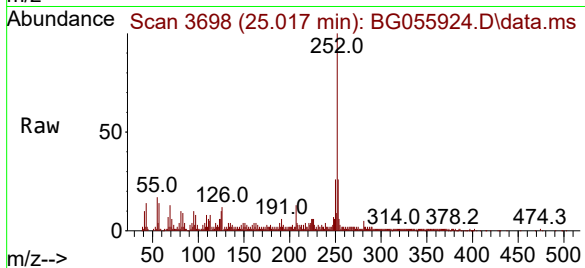
Tgt Ion:252 Resp: 137431

Ion Ratio Lower Upper

252 100

253 26.3 17.8 26.6

125 10.4 6.4 9.6#



#92

Benzo(g,h,i)perylene

Concen: 4.028 ng

RT: 30.258 min Scan# 4590

Delta R.T. 0.005 min

Lab File: BG055924.D

Acq: 7 Dec 2022 21:50

Tgt Ion:276 Resp: 51274

Ion Ratio Lower Upper

276 100

277 28.4 19.8 29.6

138 19.9 13.1 19.7#

