

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120922\
 Data File : BG055944.D
 Acq On : 9 Dec 2022 14:56
 Operator : CG/JU
 Sample : N5942-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-120722DL

Quant Time: Dec 10 05:44:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 07:57:14 2022
 Response via : Initial Calibration

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

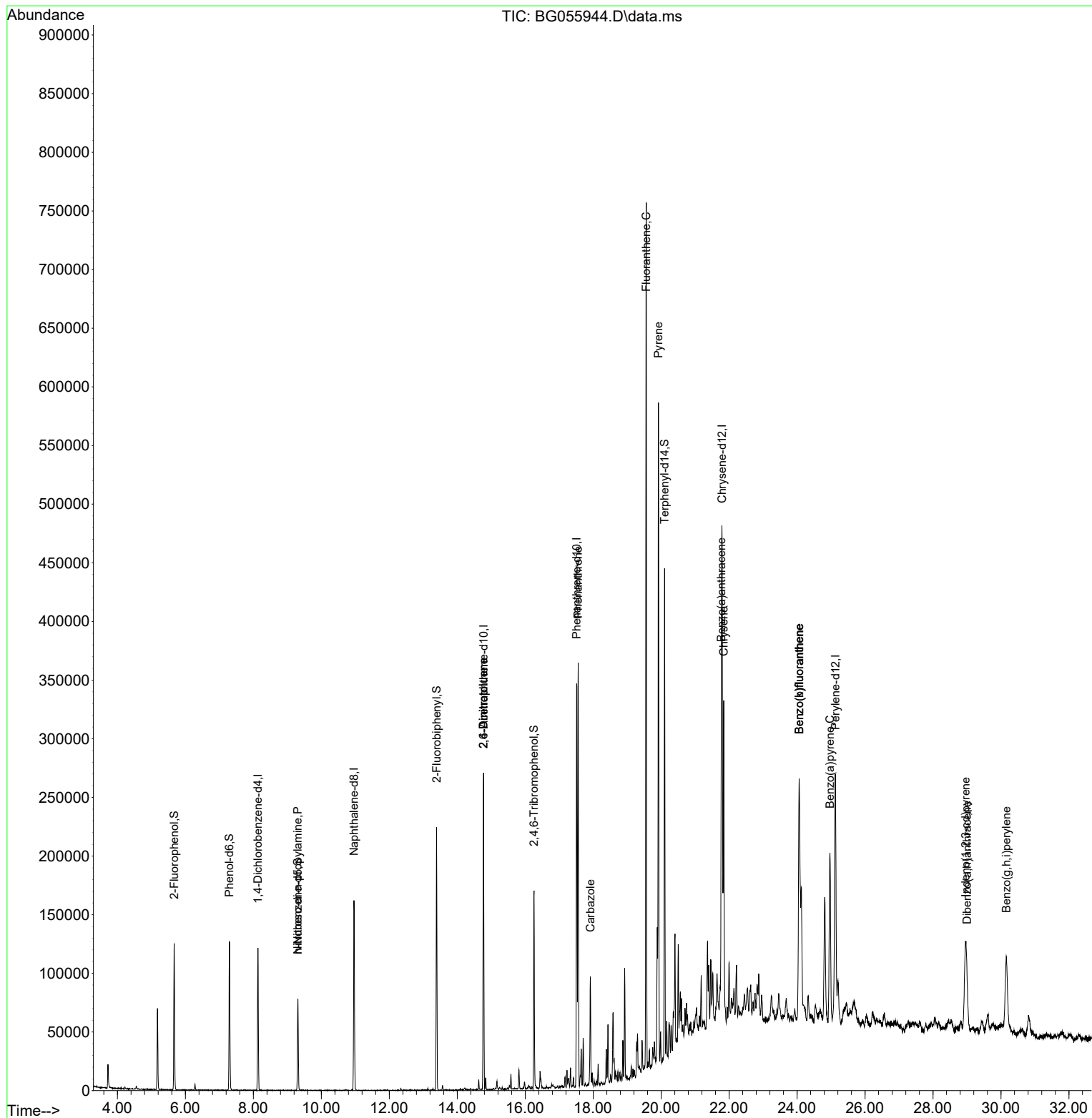
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.135	152	33715	20.000	ng	0.00
21) Naphthalene-d8	10.961	136	136937	20.000	ng	-0.01
39) Acenaphthene-d10	14.774	164	96538	20.000	ng	0.00
64) Phenanthrene-d10	17.512	188	228961	20.000	ng	-0.01
76) Chrysene-d12	21.796	240	206411	20.000	ng	0.00
86) Perylene-d12	25.127	264	236463	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.673	112	54120	29.015	ng	0.00
7) Phenol-d6	7.295	99	71056	28.617	ng	0.00
23) Nitrobenzene-d5	9.310	82	45398	17.523	ng	-0.01
42) 2,4,6-Tribromophenol	16.261	330	36582	26.911	ng	0.00
45) 2-Fluorobiphenyl	13.394	172	115829	17.975	ng	-0.01
79) Terphenyl-d14	20.103	244	199360	19.318	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.310	70	6085	3.190	ng	# 78
51) 2,6-Dinitrotoluene	14.769	165	12555	7.979	ng	# 26
57) 2,4-Dinitrotoluene	14.769	165	12555	5.659	ng	# 24
71) Phenanthrene	17.559	178	230217	18.632	ng	98
73) Carbazole	17.918	167	60815	5.635	ng	98
75) Fluoranthene	19.563	202	491797	32.718	ng	100
78) Pyrene	19.921	202	368427	26.370	ng	99
81) Benzo(a)anthracene	21.772	228	159253	11.202	ng	99
83) Chrysene	21.843	228	205368	15.174	ng	99
87) Indeno(1,2,3-cd)pyrene	28.958	276	137893	7.118	ng	# 95
88) Benzo(b)fluoranthene	24.064	252	261115	16.956	ng	99
89) Benzo(k)fluoranthene	24.064	252	261115	17.010	ng	98
90) Benzo(a)pyrene	24.968	252	165289	12.508	ng	98
91) Dibenzo(a,h)anthracene	28.999	278	48174	3.043	ng	# 92
92) Benzo(g,h,i)perylene	30.162	276	132695	8.317	ng	95

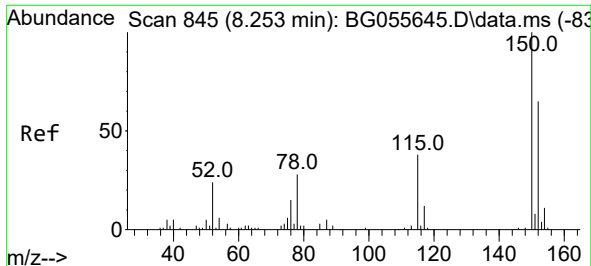
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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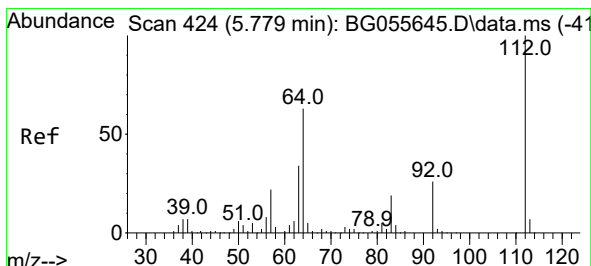
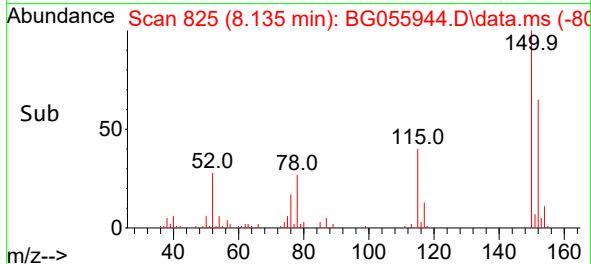
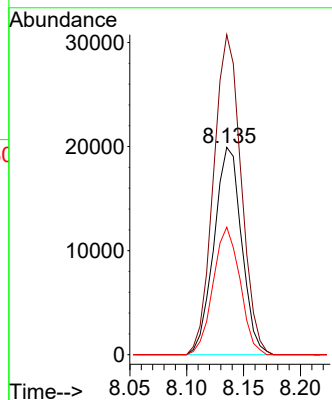
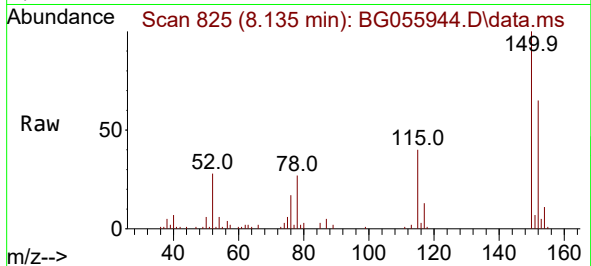




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.135 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

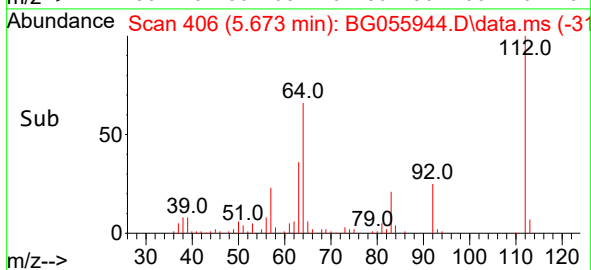
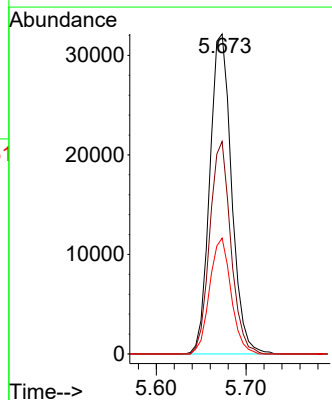
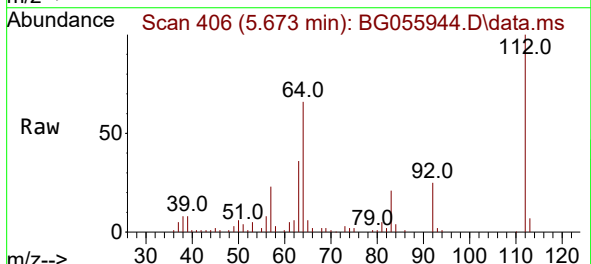
Instrument :
BNA_G
ClientSampleId :
OK-01-120722DL

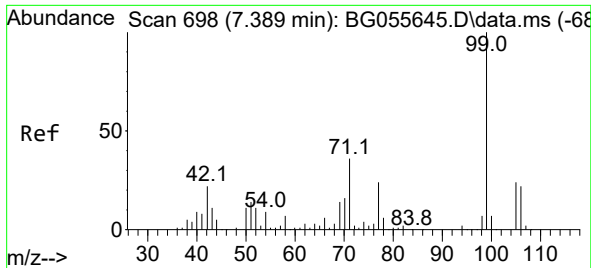
Tgt Ion:152 Resp: 33715
Ion Ratio Lower Upper
152 100
150 154.4 123.0 184.6
115 61.5 47.0 70.4



#5
2-Fluorophenol
Concen: 29.015 ng
RT: 5.673 min Scan# 406
Delta R.T. 0.001 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Tgt Ion:112 Resp: 54120
Ion Ratio Lower Upper
112 100
64 66.4 50.6 76.0
63 36.2 27.5 41.3

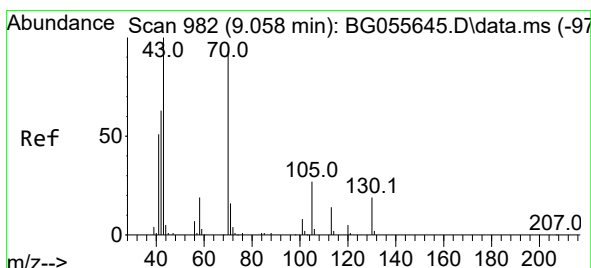
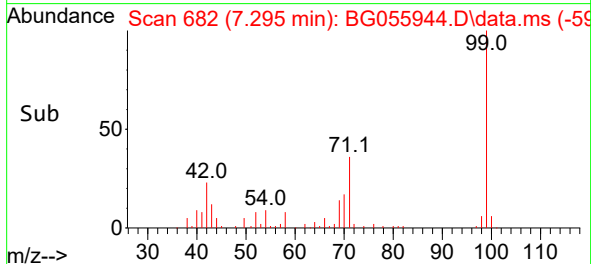
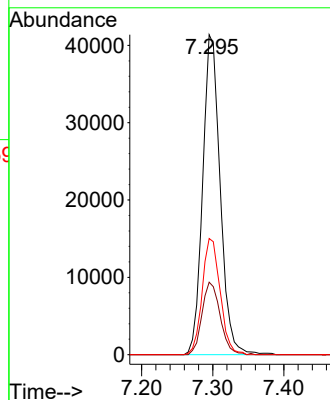
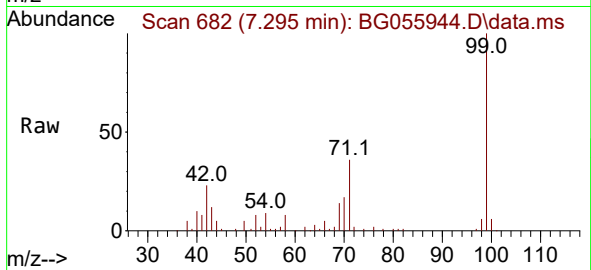




#7
Phenol-d6
Concen: 28.617 ng
RT: 7.295 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

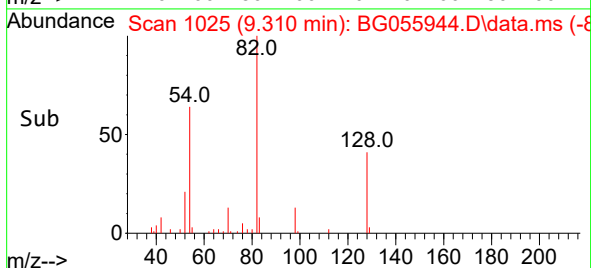
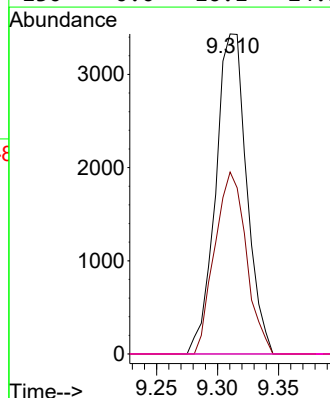
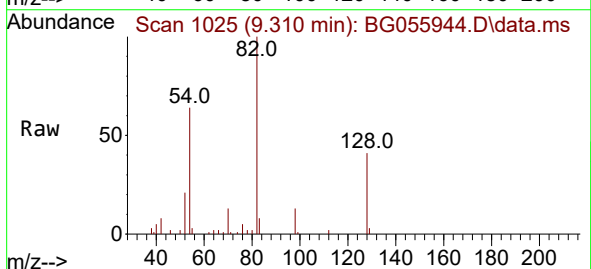
Instrument :
BNA_G
ClientSampleId :
OK-01-120722DL

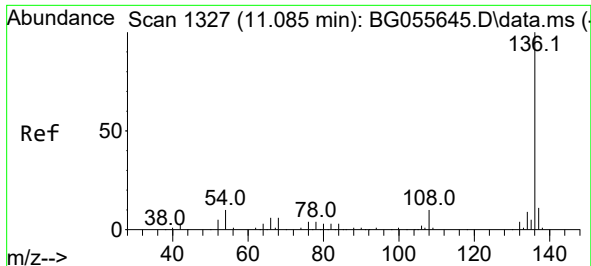
Tgt Ion: 99 Resp: 71056
Ion Ratio Lower Upper
99 100
42 22.6 18.0 27.0
71 36.3 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 3.190 ng
RT: 9.310 min Scan# 1025
Delta R.T. 0.359 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Tgt Ion: 70 Resp: 6085
Ion Ratio Lower Upper
70 100
42 56.8 55.2 82.8
101 0.0 7.1 10.7#
130 0.0 16.1 24.1#

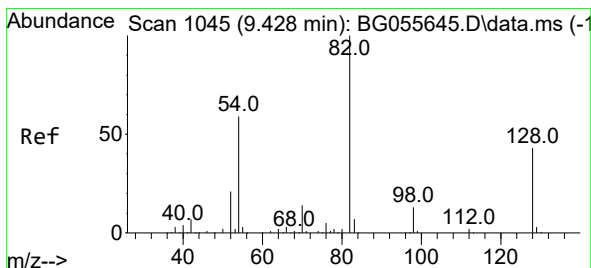
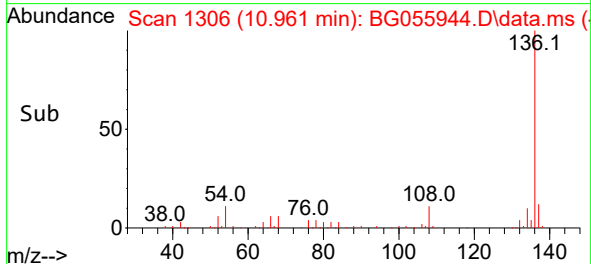
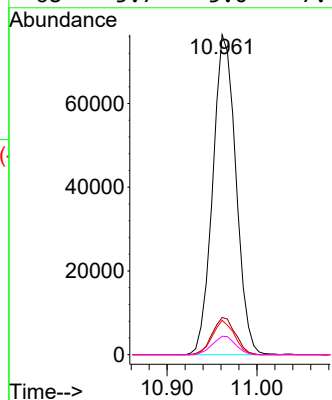
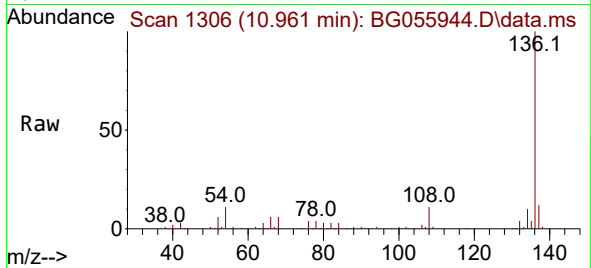




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.961 min Scan# 1327
Delta R.T. -0.011 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

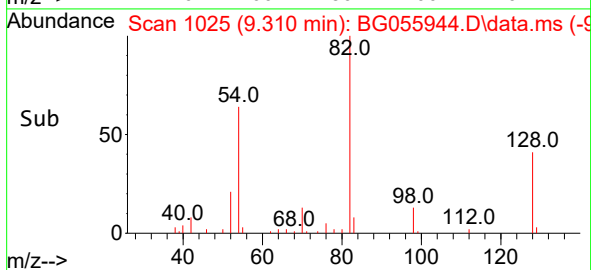
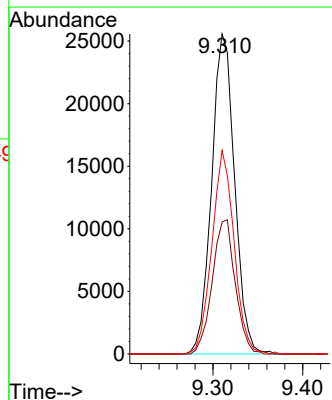
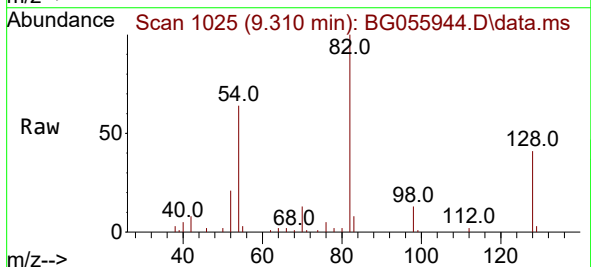
Instrument :
BNA_G
ClientSampleId :
OK-01-120722DL

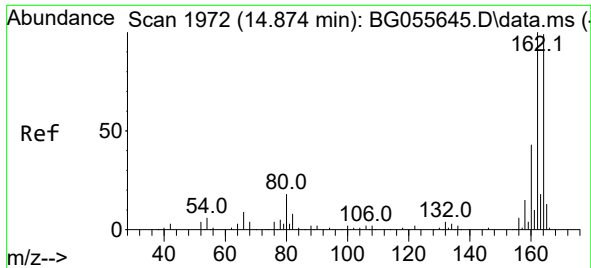
Tgt Ion:136 Resp: 136937
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 10.8 7.8 11.6
68 5.7 5.0 7.4



#23
Nitrobenzene-d5
Concen: 17.523 ng
RT: 9.310 min Scan# 1025
Delta R.T. -0.011 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Tgt Ion: 82 Resp: 45398
Ion Ratio Lower Upper
82 100
128 41.3 34.1 51.1
54 63.6 47.3 70.9

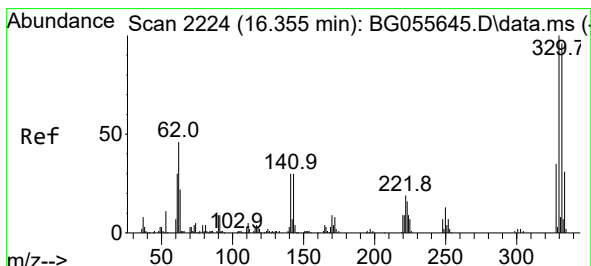
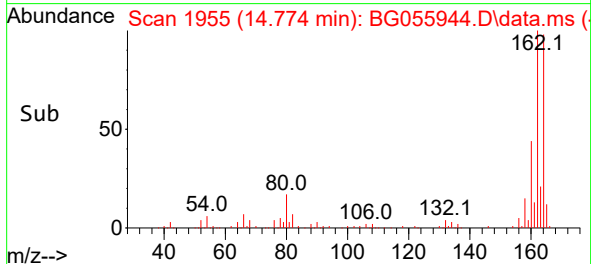
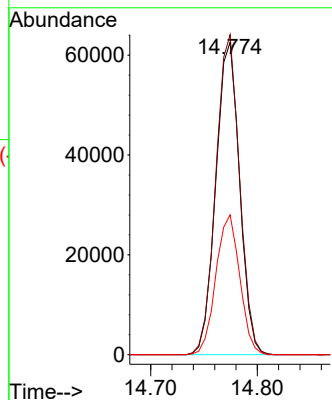
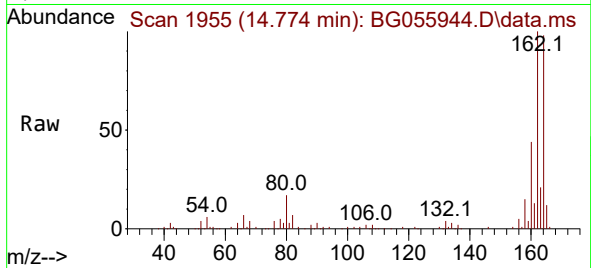




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1972
Delta R.T. -0.005 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

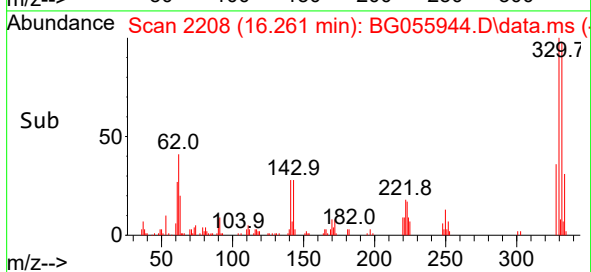
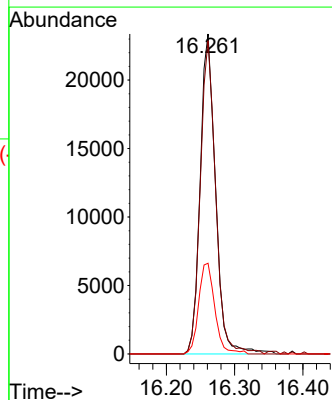
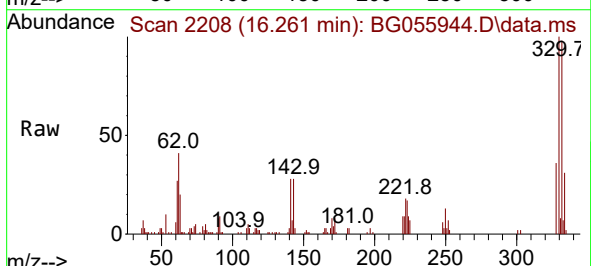
Instrument :
BNA_G
ClientSampleId :
OK-01-120722DL

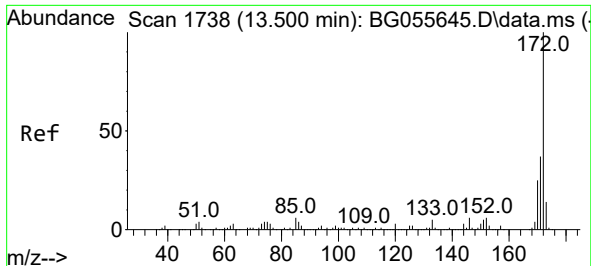
Tgt Ion:164 Resp: 96538
Ion Ratio Lower Upper
164 100
162 102.4 81.1 121.7
160 44.7 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 26.911 ng
RT: 16.261 min Scan# 2208
Delta R.T. -0.005 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Tgt Ion:330 Resp: 36582
Ion Ratio Lower Upper
330 100
332 97.2 77.8 116.8
141 29.7 23.9 35.9

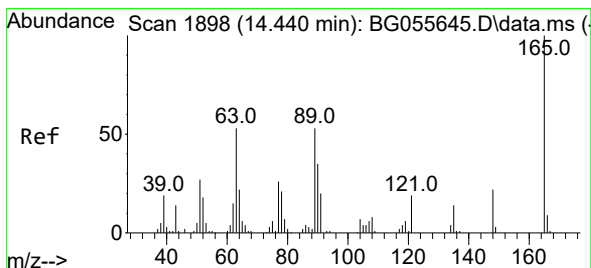
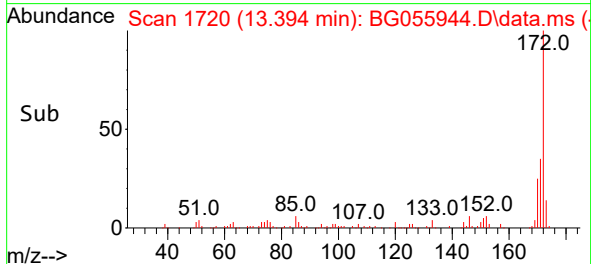
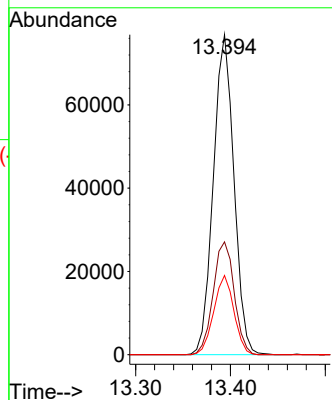
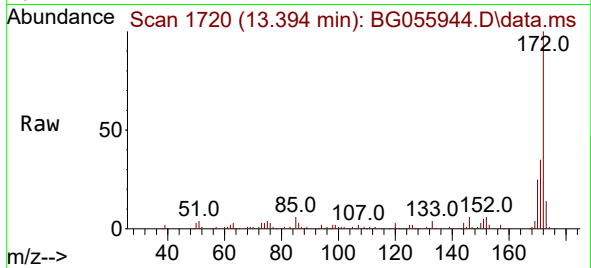




#45
2-Fluorobiphenyl
Concen: 17.975 ng
RT: 13.394 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

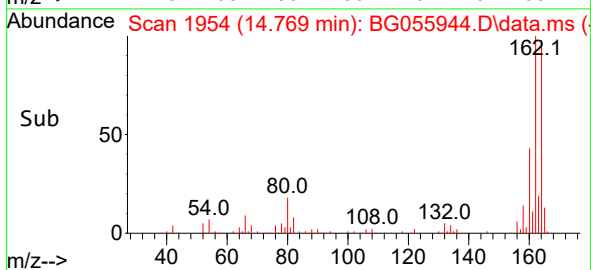
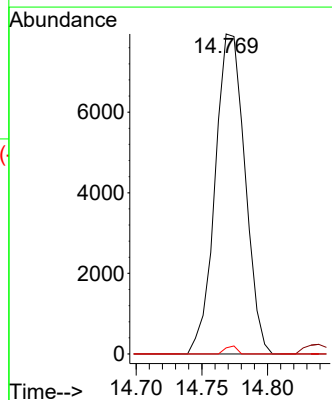
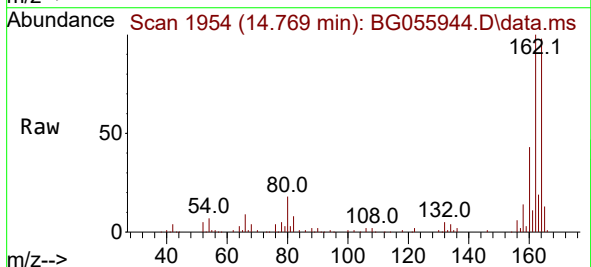
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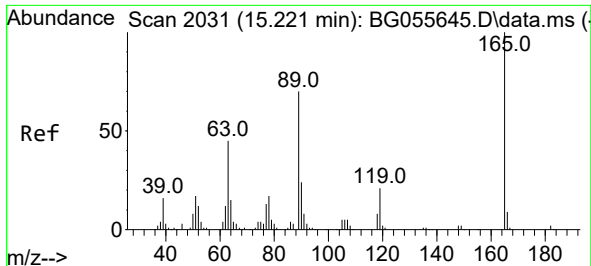
Tgt Ion:172 Resp: 115829
Ion Ratio Lower Upper
172 100
171 35.3 29.8 44.6
170 24.8 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.979 ng
RT: 14.769 min Scan# 1954
Delta R.T. 0.412 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Tgt Ion:165 Resp: 12555
Ion Ratio Lower Upper
165 100
63 0.0 44.6 66.8#
89 1.9 42.2 63.4#





#57

2,4-Dinitrotoluene

Concen: 5.659 ng

RT: 14.769 min Scan# 1954

Delta R.T. -0.376 min

Lab File: BG055944.D

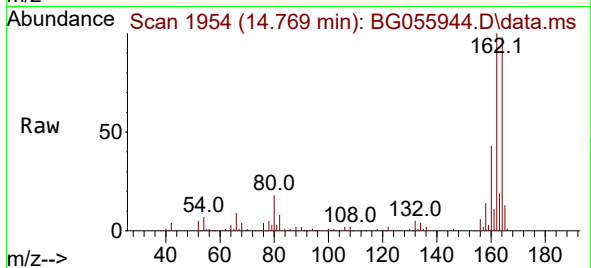
Acq: 9 Dec 2022 14:56

Instrument :

BNA_G

ClientSampleId :

OK-01-120722DL



Tgt Ion:165 Resp: 12555

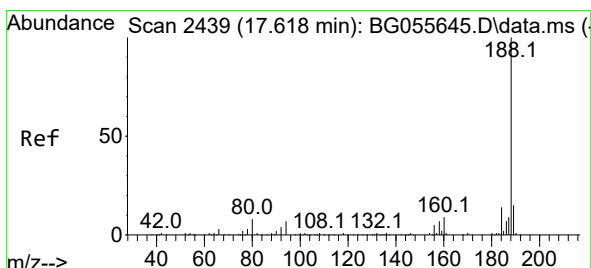
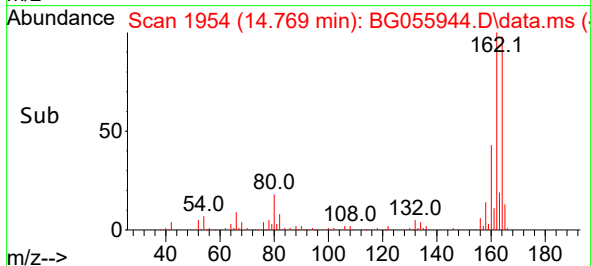
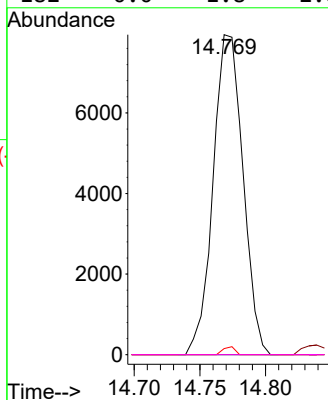
Ion Ratio Lower Upper

165 100

63 0.0 35.8 53.8#

89 1.9 56.2 84.4#

182 0.0 1.8 2.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.512 min Scan# 2421

Delta R.T. -0.011 min

Lab File: BG055944.D

Acq: 9 Dec 2022 14:56

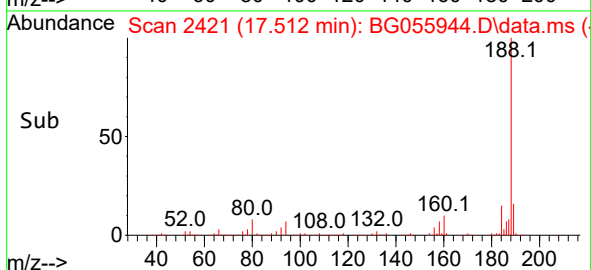
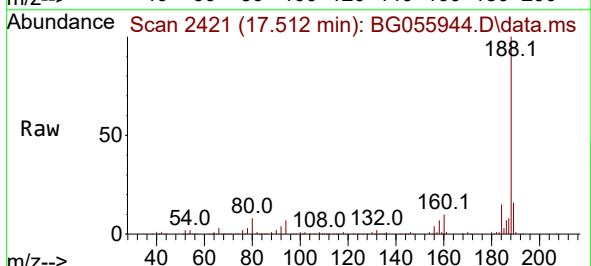
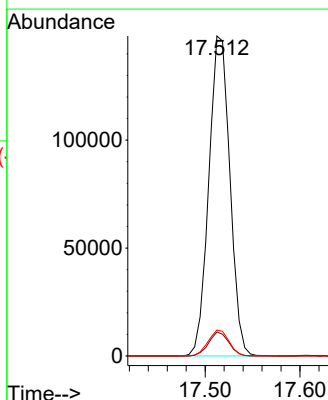
Tgt Ion:188 Resp: 228961

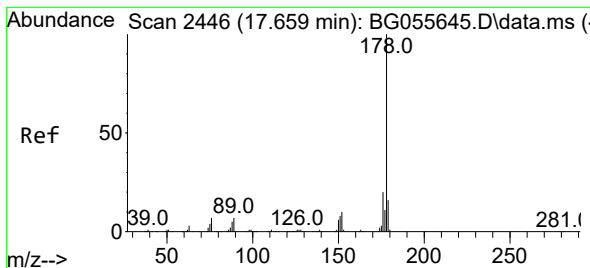
Ion Ratio Lower Upper

188 100

94 7.5 5.4 8.2

80 8.1 6.6 10.0





#71

Phenanthrene

Concen: 18.632 ng

RT: 17.559 min Scan# 2446

Delta R.T. -0.005 min

Lab File: BG055944.D

Acq: 9 Dec 2022 14:56

Instrument :

BNA_G

ClientSampleId :

OK-01-120722DL

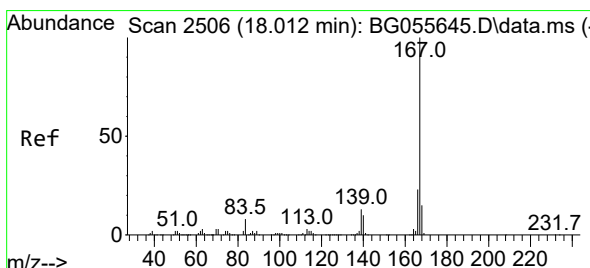
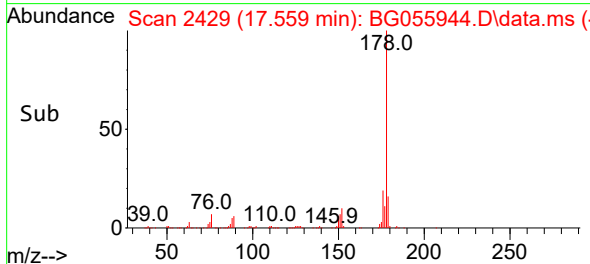
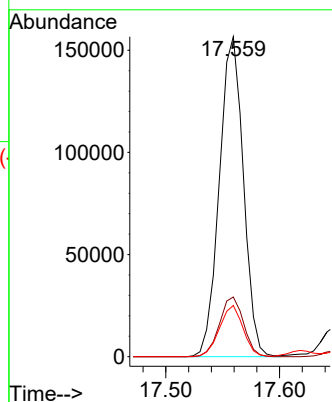
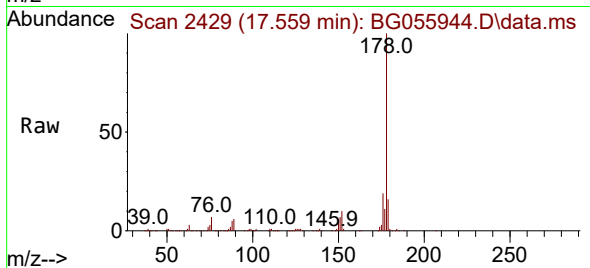
Tgt Ion:178 Resp: 230217

Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

179 16.0 12.7 19.1



#73

Carbazole

Concen: 5.635 ng

RT: 17.918 min Scan# 2490

Delta R.T. -0.005 min

Lab File: BG055944.D

Acq: 9 Dec 2022 14:56

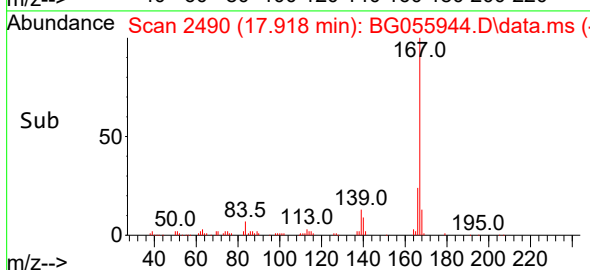
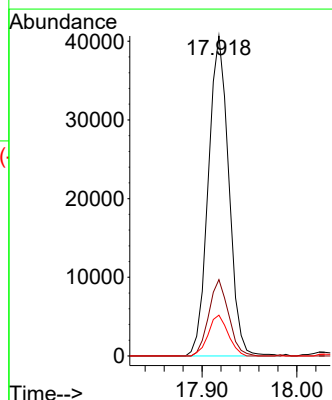
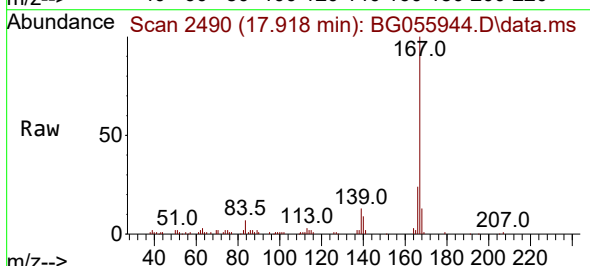
Tgt Ion:167 Resp: 60815

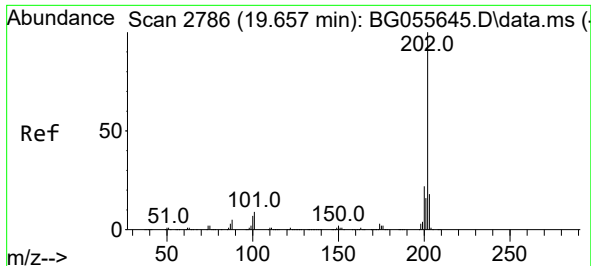
Ion Ratio Lower Upper

167 100

166 23.8 18.2 27.2

139 12.8 10.2 15.4

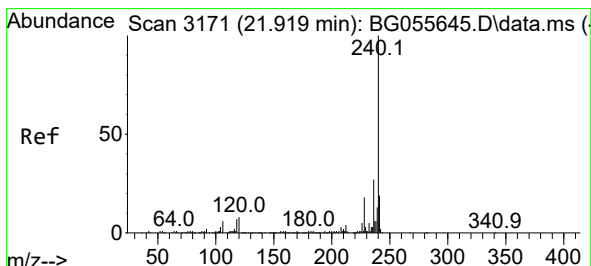
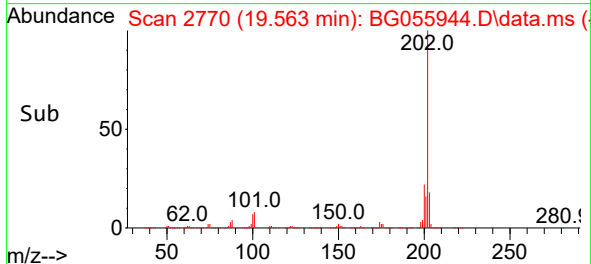
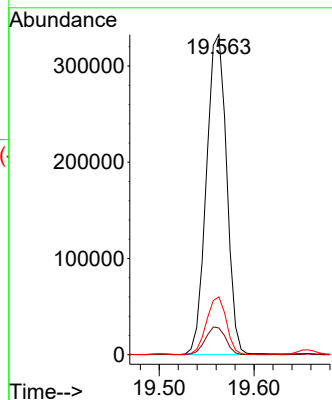
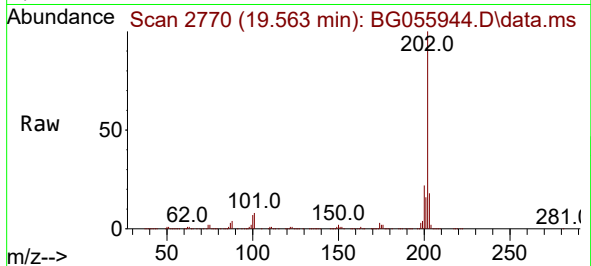




#75
Fluoranthene
Concen: 32.718 ng
RT: 19.563 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

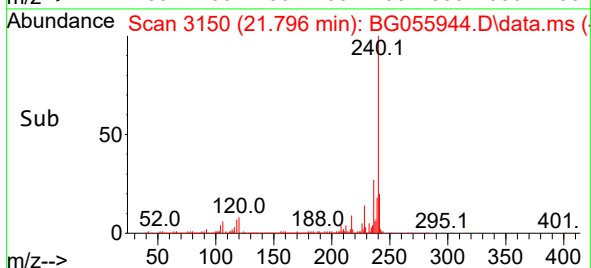
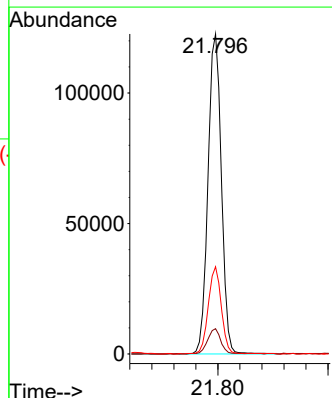
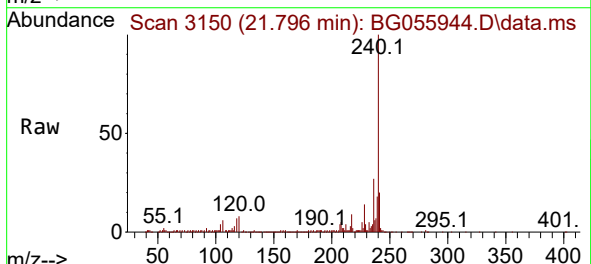
Instrument :
BNA_G
ClientSampleId :
OK-01-120722DL

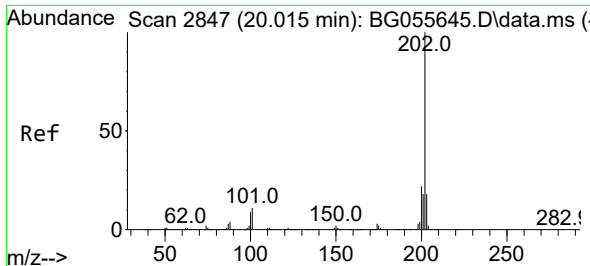
Tgt Ion:202 Resp: 491797
Ion Ratio Lower Upper
202 100
101 8.4 0.0 28.8
203 18.0 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.796 min Scan# 3150
Delta R.T. -0.005 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Tgt Ion:240 Resp: 206411
Ion Ratio Lower Upper
240 100
120 7.9 6.3 9.5
236 27.3 21.9 32.9

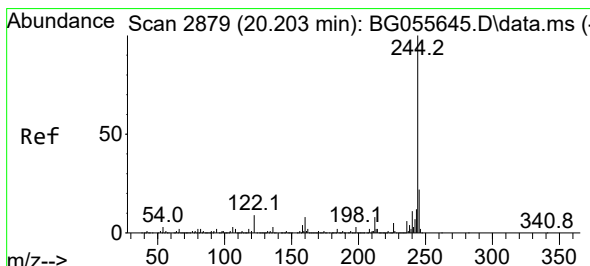
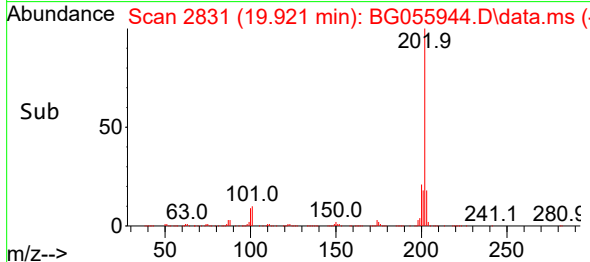
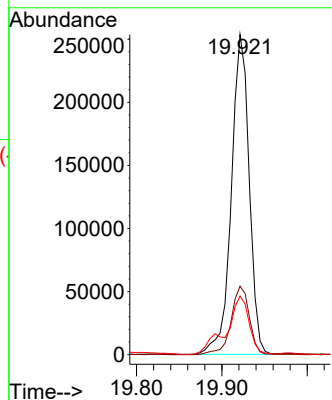
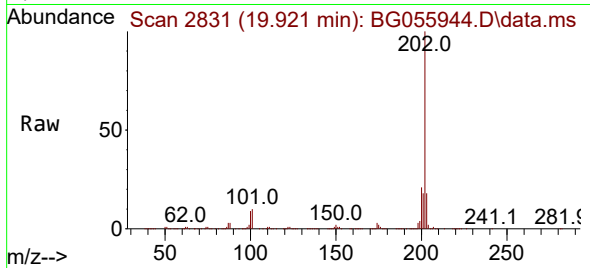




#78
 Pyrene
 Concen: 26.370 ng
 RT: 19.921 min Scan# 2831
 Delta R.T. -0.005 min
 Lab File: BG055944.D
 Acq: 9 Dec 2022 14:56

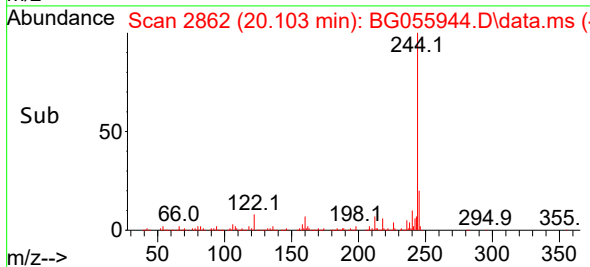
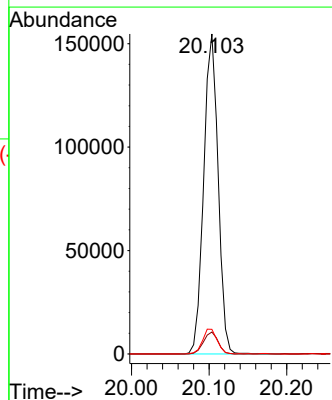
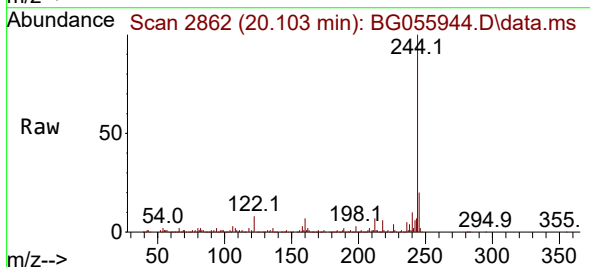
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-120722DL

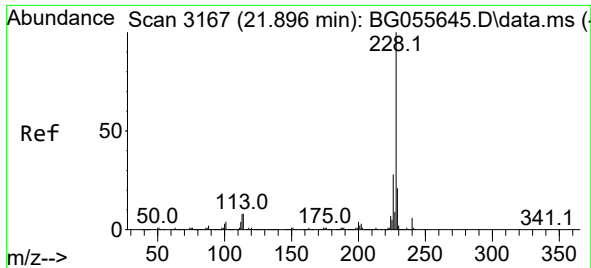
Tgt Ion:202 Resp: 368427
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.8 26.6
 203 18.3 14.4 21.6



#79
 Terphenyl-d14
 Concen: 19.318 ng
 RT: 20.103 min Scan# 2862
 Delta R.T. -0.005 min
 Lab File: BG055944.D
 Acq: 9 Dec 2022 14:56

Tgt Ion:244 Resp: 199360
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.3 9.5
 122 7.7 6.9 10.3

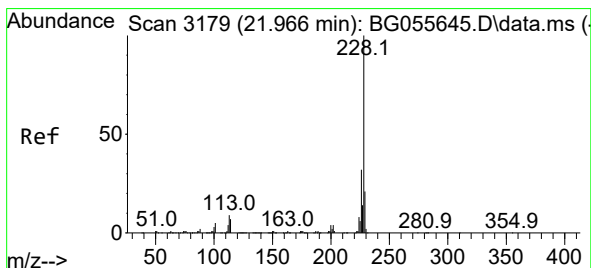
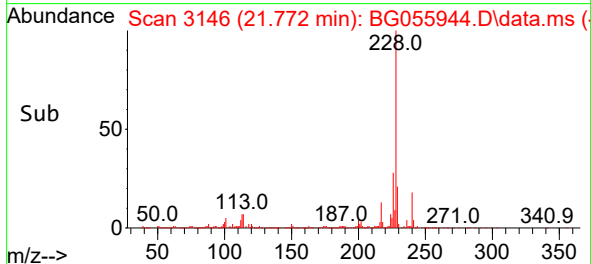
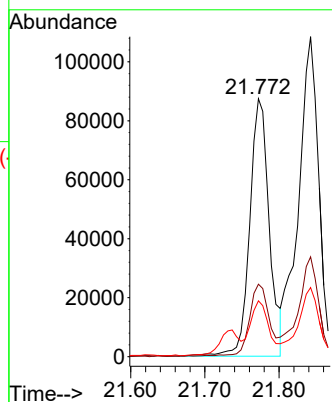
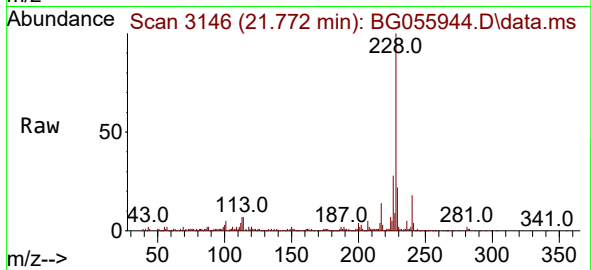




#81
Benzo(a)anthracene
Concen: 11.202 ng
RT: 21.772 min Scan# 3167
Delta R.T. -0.011 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

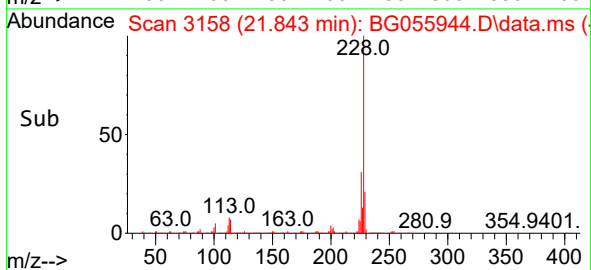
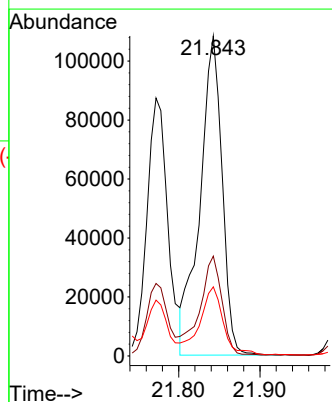
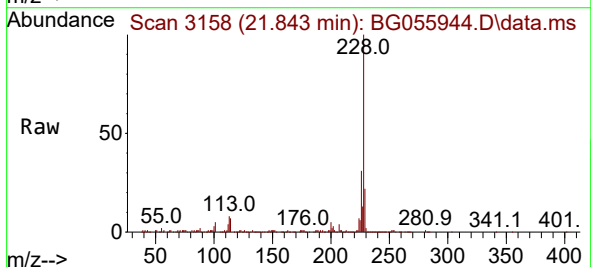
Instrument :
BNA_G
ClientSampleId :
OK-01-120722DL

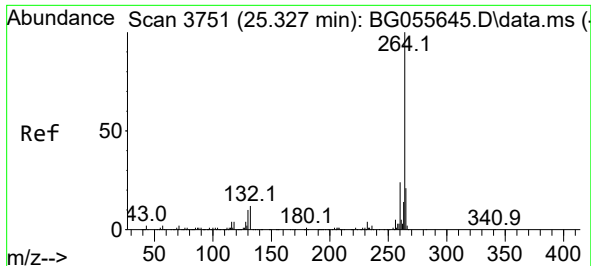
Tgt Ion:228 Resp: 159253
Ion Ratio Lower Upper
228 100
226 28.1 22.7 34.1
229 21.7 16.5 24.7



#83
Chrysene
Concen: 15.174 ng
RT: 21.843 min Scan# 3158
Delta R.T. -0.005 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Tgt Ion:228 Resp: 205368
Ion Ratio Lower Upper
228 100
226 31.2 25.4 38.2
229 21.6 17.1 25.7

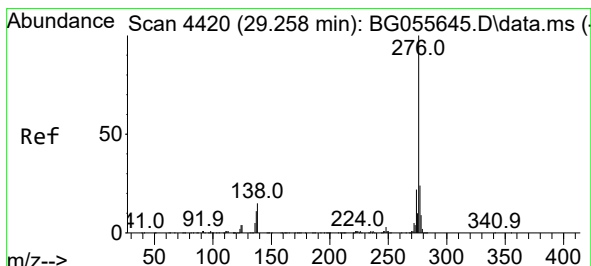
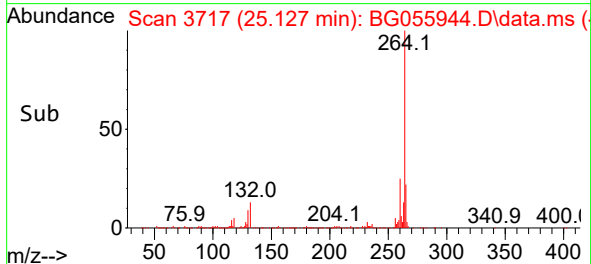
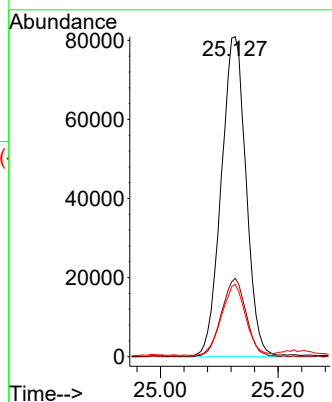
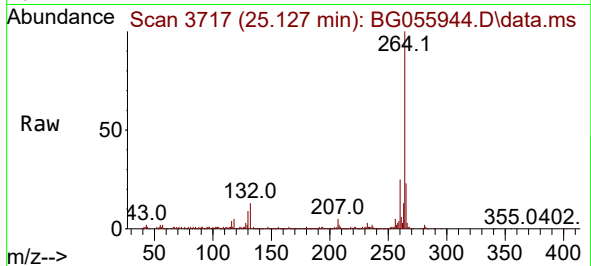




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.127 min Scan# 31
 Delta R.T. -0.005 min
 Lab File: BG055944.D
 Acq: 9 Dec 2022 14:56

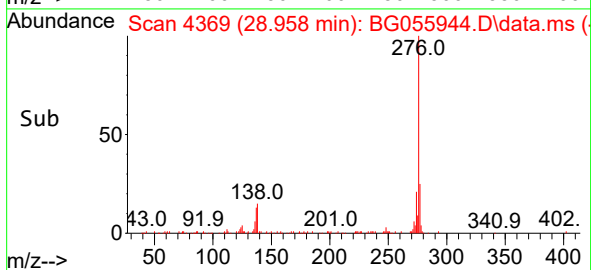
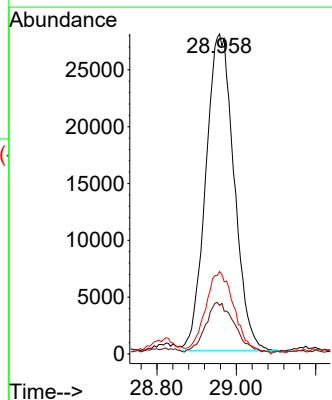
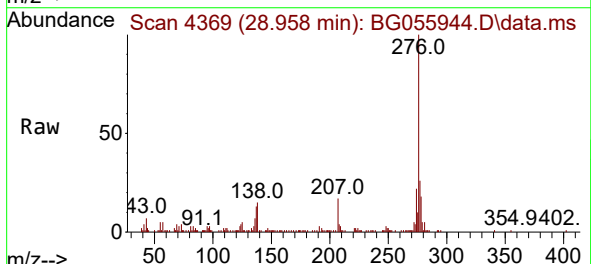
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-120722DL

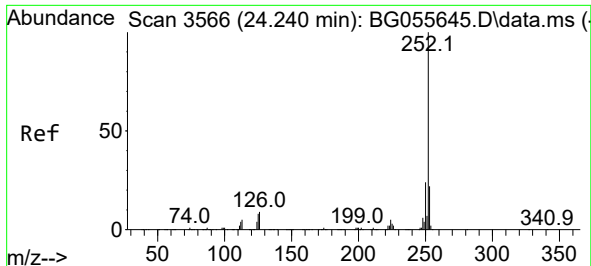
Tgt Ion:264 Resp: 236463
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.5 29.3
 265 22.6 17.1 25.7



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.118 ng
 RT: 28.958 min Scan# 4369
 Delta R.T. -0.023 min
 Lab File: BG055944.D
 Acq: 9 Dec 2022 14:56

Tgt Ion:276 Resp: 137893
 Ion Ratio Lower Upper
 276 100
 138 16.0 10.4 15.6#
 277 27.2 20.2 30.4

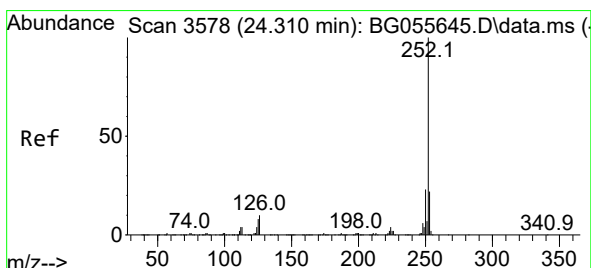
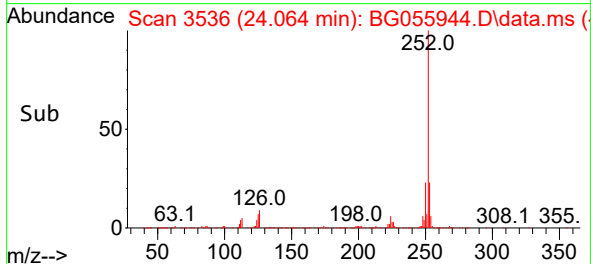
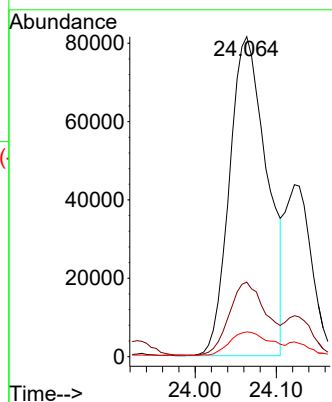
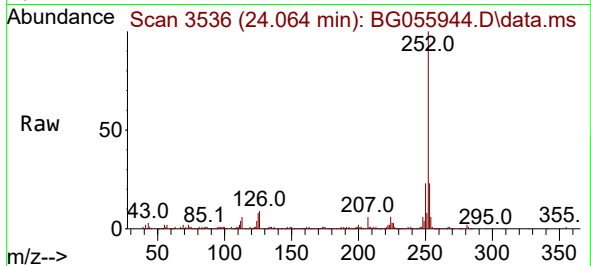




#88
Benzo(b)fluoranthene
Concen: 16.956 ng
RT: 24.064 min Scan# 3536
Delta R.T. -0.005 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

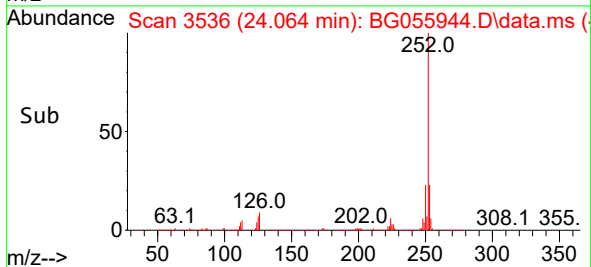
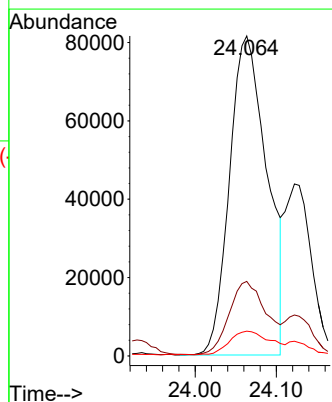
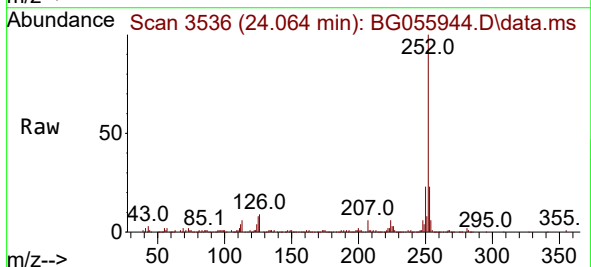
Instrument :
BNA_G
ClientSampleId :
OK-01-120722DL

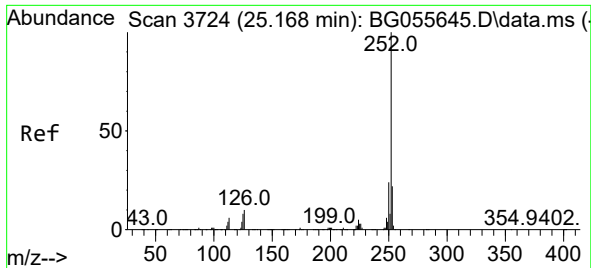
Tgt Ion:252 Resp: 261115
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 7.7 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 17.010 ng
RT: 24.064 min Scan# 3536
Delta R.T. -0.076 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

Tgt Ion:252 Resp: 261115
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 7.7 6.1 9.1

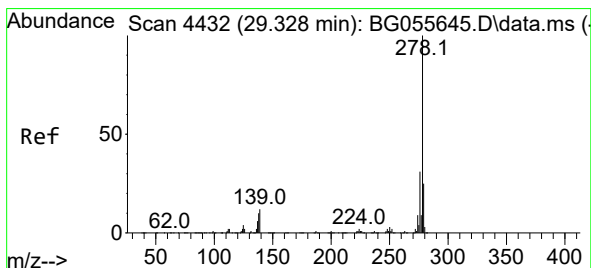
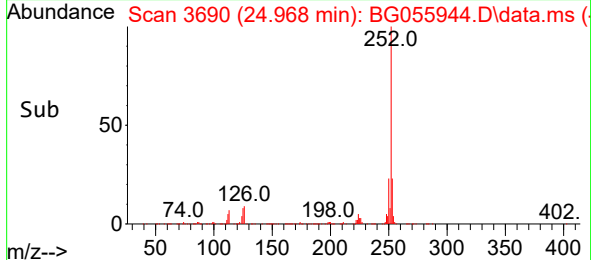
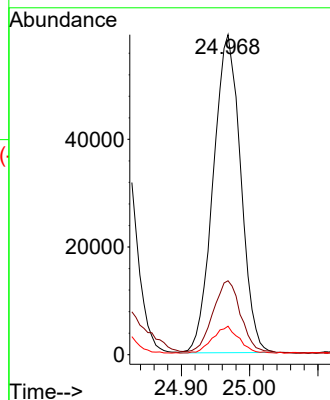
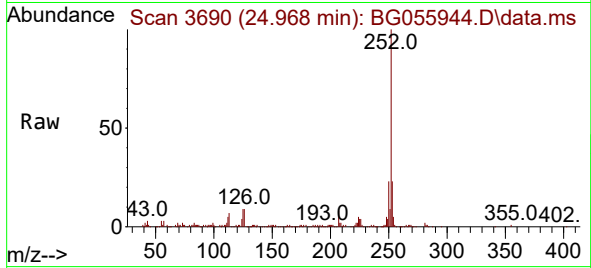




#90
Benzo(a)pyrene
Concen: 12.508 ng
RT: 24.968 min Scan# 3
Delta R.T. -0.011 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

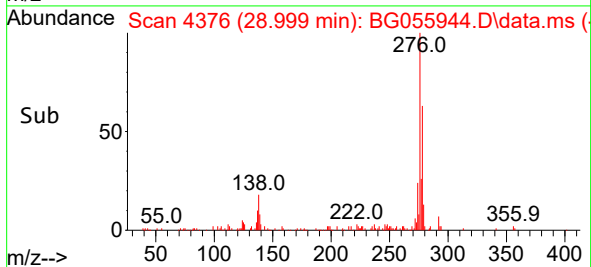
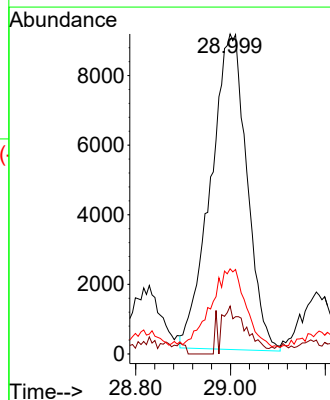
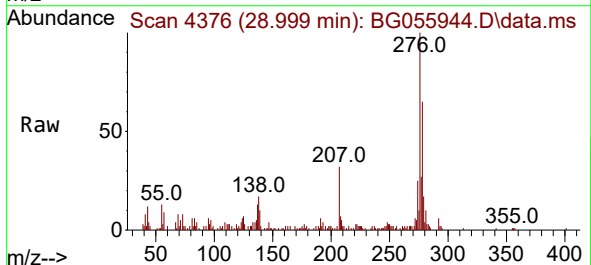
Instrument :
BNA_G
ClientSampleId :
OK-01-120722DL

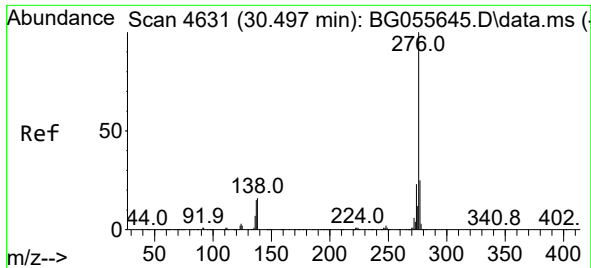
Tgt Ion:252 Resp: 165289
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 8.9 6.4 9.6



#91
Dibenzo(a,h)anthracene
Concen: 3.043 ng
RT: 28.999 min Scan# 4376
Delta R.T. -0.029 min
Lab File: BG055944.D
Acq: 9 Dec 2022 14:56

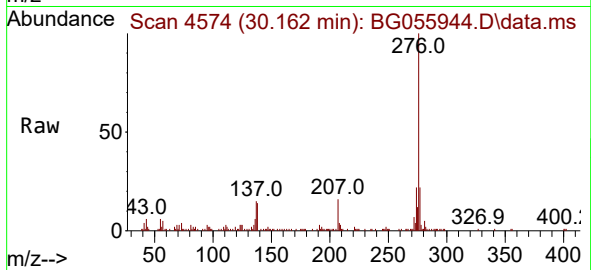
Tgt Ion:278 Resp: 48174
Ion Ratio Lower Upper
278 100
139 18.6 9.8 14.8#
279 26.6 19.8 29.6





#92
 Benzo(g,h,i)perylene
 Concen: 8.317 ng
 RT: 30.162 min Scan# 4
 Delta R.T. -0.023 min
 Lab File: BG055944.D
 Acq: 9 Dec 2022 14:56

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-120722DL



Tgt Ion:276 Resp: 132695
 Ion Ratio Lower Upper
 276 100
 277 22.3 19.8 29.6
 138 14.1 13.1 19.7

