

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054380.D
 Acq On : 25 Jul 2022 15:08
 Operator : CG/JU
 Sample : N3814-05DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-3(5-10)DL

Quant Time: Jul 26 00:54:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

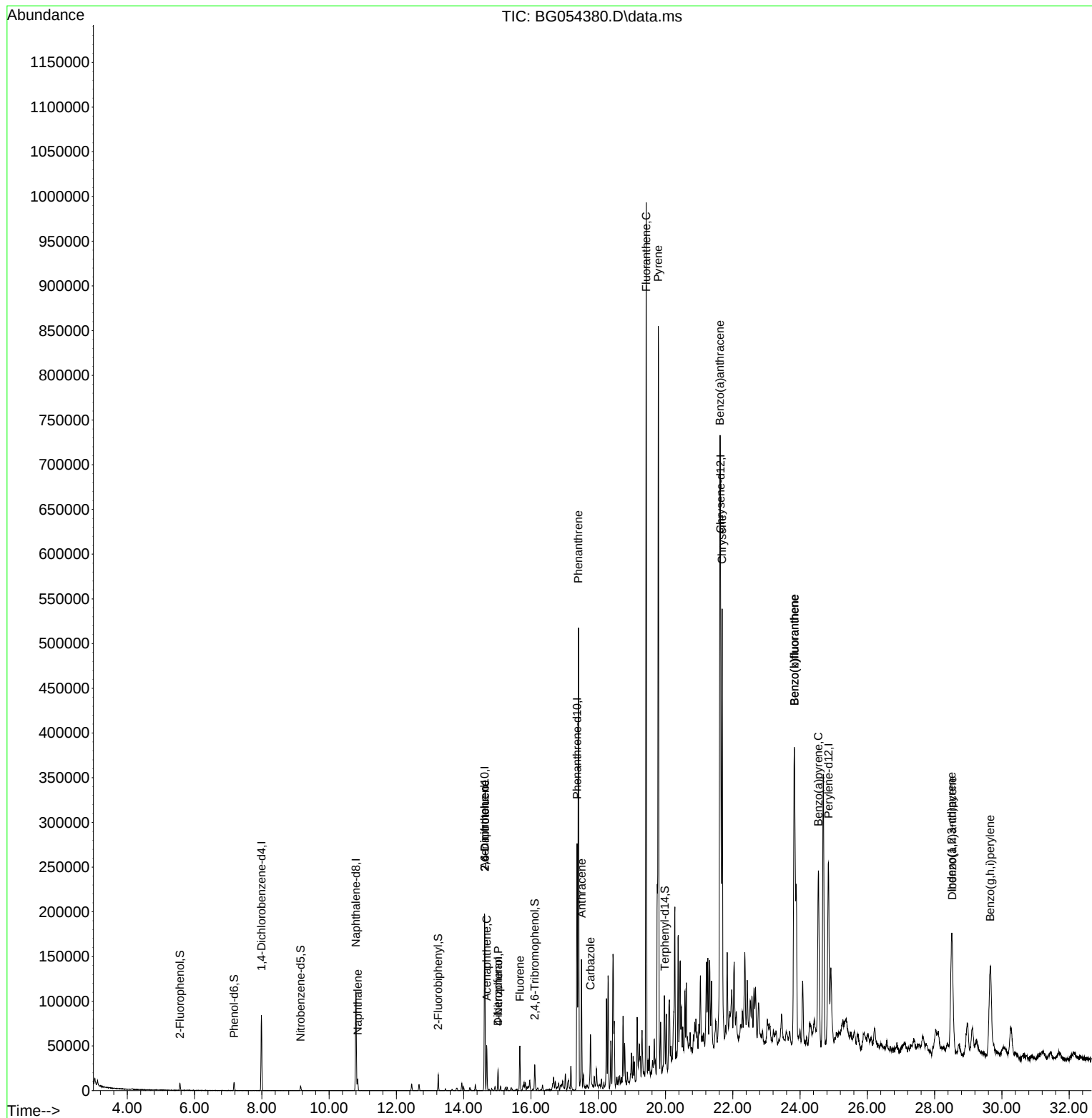
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	26413	20.000	ng	-0.01
21) Naphthalene-d8	10.797	136	101920	20.000	ng	#-0.01
39) Acenaphthene-d10	14.622	164	80568	20.000	ng	-0.01
64) Phenanthrene-d10	17.371	188	200820	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	230817	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	250658	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	4224	3.339	ng	0.00
7) Phenol-d6	7.171	99	6058	3.495	ng	0.00
23) Nitrobenzene-d5	9.151	82	3931	2.100	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	5619	3.322	ng	-0.01
45) 2-Fluorobiphenyl	13.247	172	11695	2.048	ng	-0.01
79) Terphenyl-d14	19.980	244	25520	2.193	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.849	128	12360	2.416	ng	98
51) 2,6-Dinitrotoluene	14.627	165	11751	8.513	ng	# 16
52) Acenaphthene	14.686	154	19688	4.744	ng	97
55) Dibenzofuran	15.021	168	15791	2.138	ng	92
56) 4-Nitrophenol	15.027	139	5580	7.245	ng	# 1
57) 2,4-Dinitrotoluene	14.627	165	11751	5.938	ng	# 21
58) Fluorene	15.673	166	25138	4.140	ng	96
71) Phenanthrene	17.412	178	369561	36.953	ng	97
72) Anthracene	17.506	178	108473	11.053	ng	98
73) Carbazole	17.771	167	41169	5.095	ng	97
75) Fluoranthene	19.428	202	682299	50.049	ng	94
78) Pyrene	19.786	202	632529	47.759	ng	97
81) Benzo(a)anthracene	21.619	228	433411	29.580	ng	98
83) Chrysene	21.684	228	369309	26.679	ng	94
87) Indeno(1,2,3-cd)pyrene	28.505	276	257502	13.504	ng	99
88) Benzo(b)fluoranthene	23.834	252	479612	32.355	ng	# 99
89) Benzo(k)fluoranthene	23.834	252	479612	32.510	ng	# 98
90) Benzo(a)pyrene	24.545	252	238211	18.817	ng	96
91) Dibenzo(a,h)anthracene	28.529	278	71864	4.583	ng	# 90
92) Benzo(g,h,i)perylene	29.657	276	246437	15.924	ng	# 91

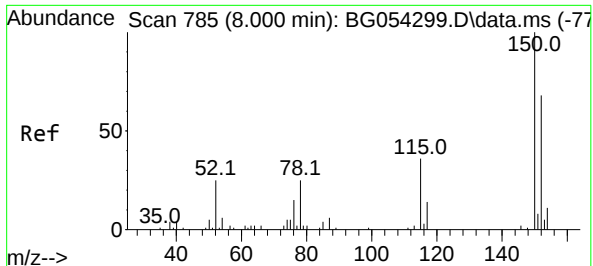
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
Data File : BG054380.D
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Operator : CG/JU
Sample : N3814-05DL 10X
Misc :
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Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(5-10)DL

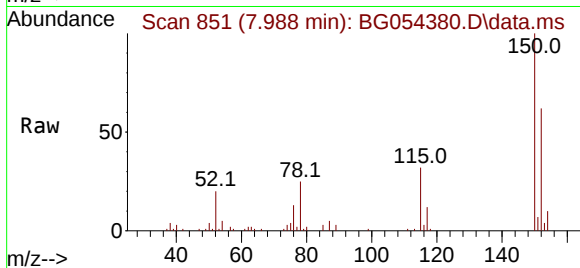
Quant Time: Jul 26 00:54:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 15 15:54:11 2022
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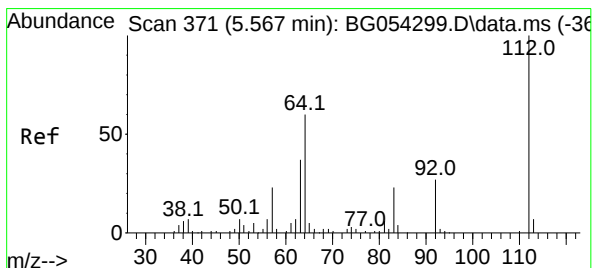
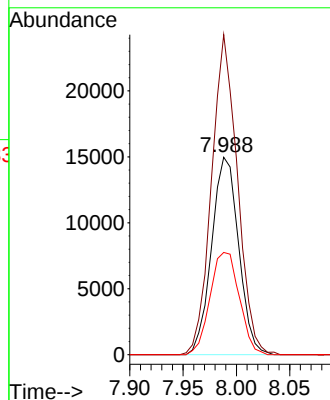
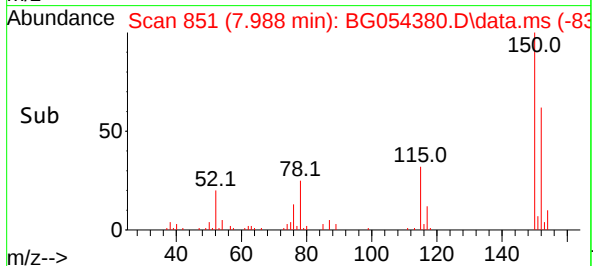


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(5-10)DL

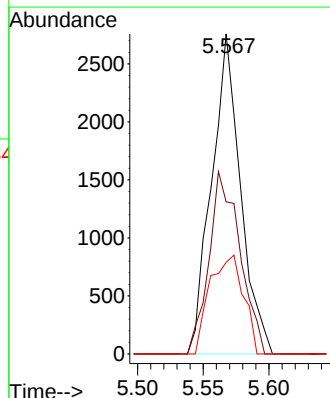
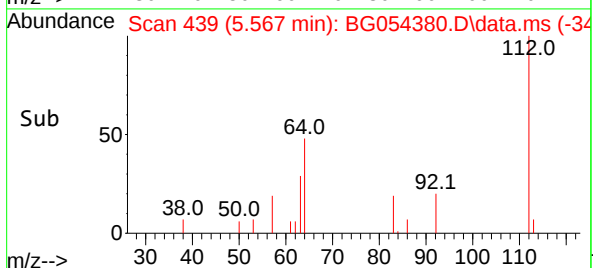
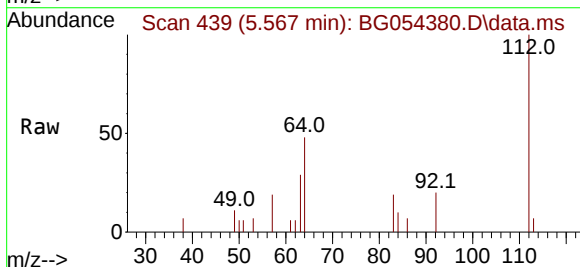


Tgt Ion:152 Resp: 26413
Ion Ratio Lower Upper
152 100
150 162.1 131.6 197.4
115 51.8 50.9 76.3



#5
2-Fluorophenol
Concen: 3.339 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.000 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Tgt Ion:112 Resp: 4224
Ion Ratio Lower Upper
112 100
64 47.6 55.1 82.7#
63 28.6 30.4 45.6#

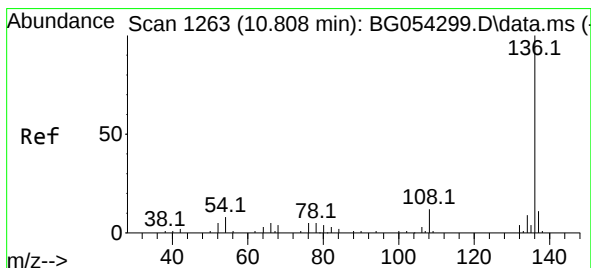
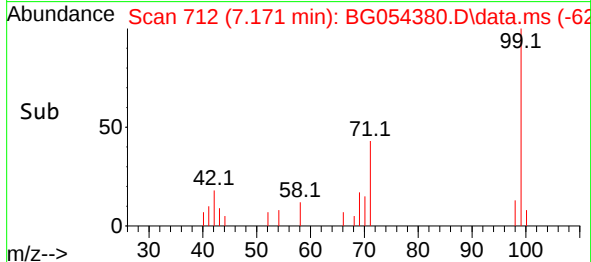
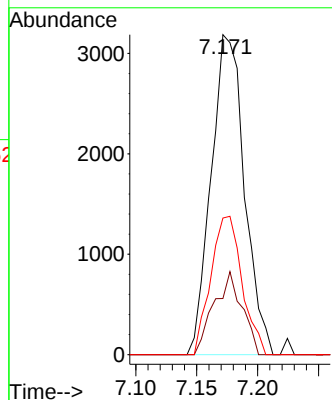
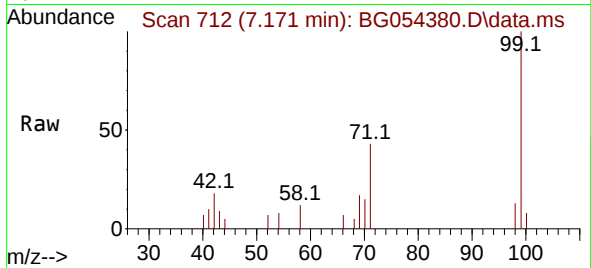




#7
Phenol-d6
Concen: 3.495 ng
RT: 7.171 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

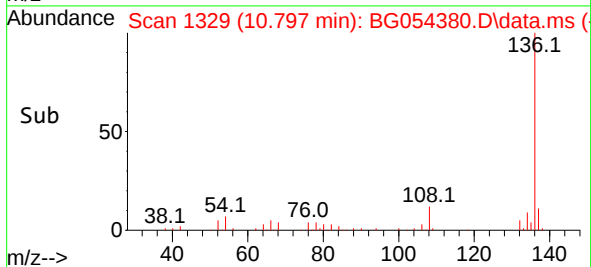
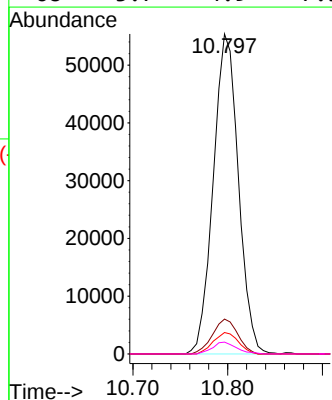
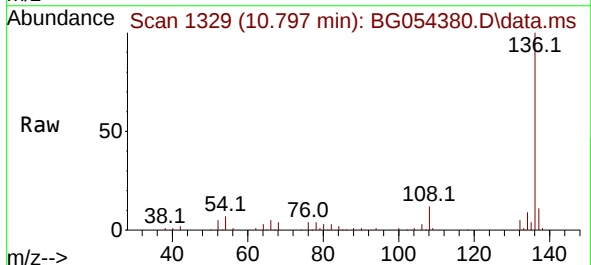
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(5-10)DL

Tgt Ion: 99 Resp: 6058
Ion Ratio Lower Upper
99 100
42 17.5 17.0 25.6
71 42.7 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 1329
Delta R.T. -0.011 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Tgt Ion: 136 Resp: 101920
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 6.7 7.4 11.2#
68 3.7 4.9 7.3#

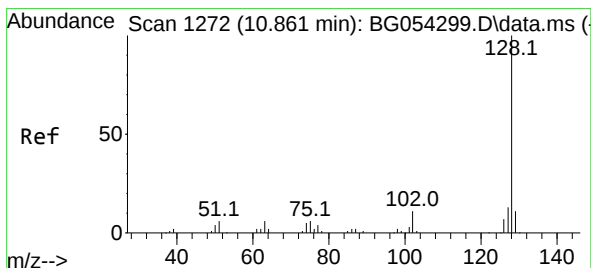
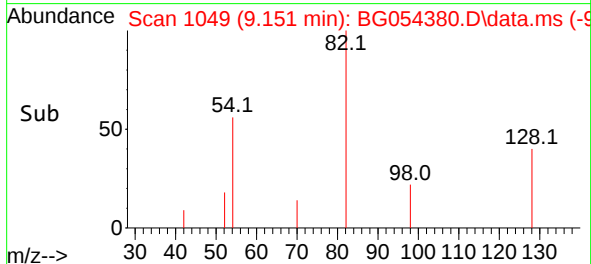
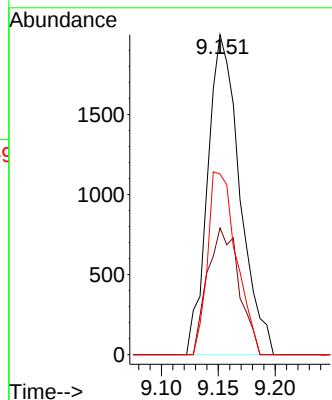
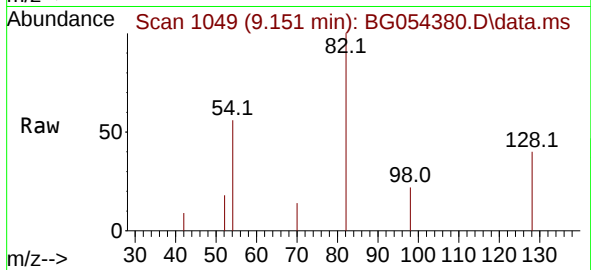




#23
Nitrobenzene-d5
Concen: 2.100 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.012 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

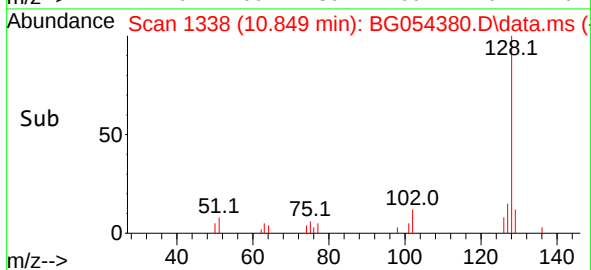
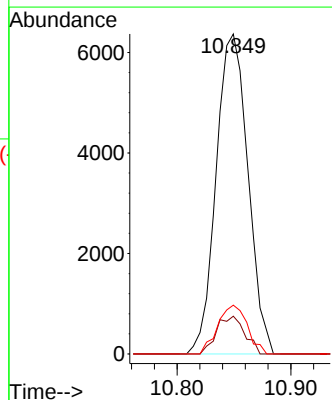
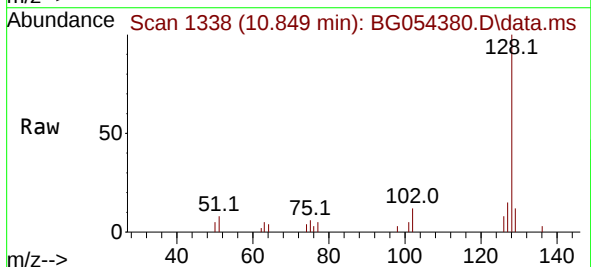
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(5-10)DL

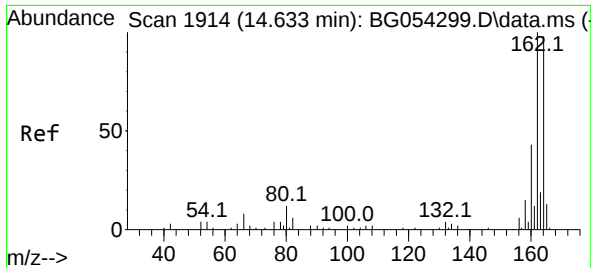
Tgt Ion: 82 Resp: 3931
Ion Ratio Lower Upper
82 100
128 39.6 27.9 41.9
54 56.5 41.2 61.8



#31
Naphthalene
Concen: 2.416 ng
RT: 10.849 min Scan# 1338
Delta R.T. -0.012 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

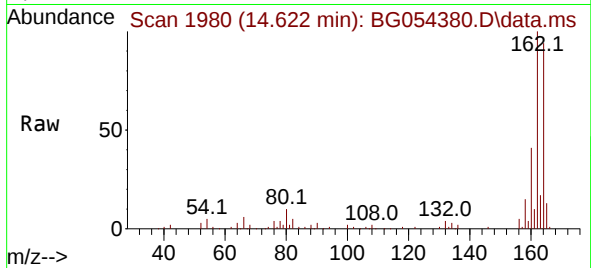
Tgt Ion: 128 Resp: 12360
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.6
127 15.2 11.1 16.7



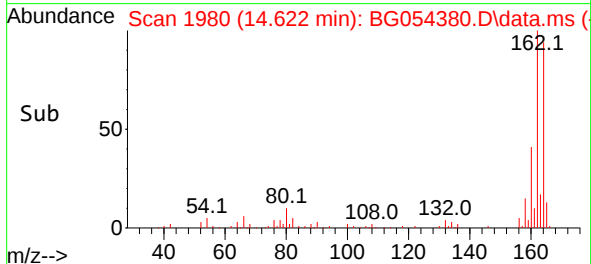
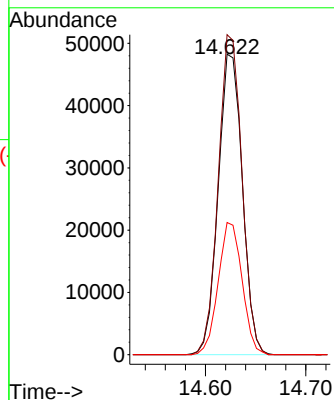


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1914
Delta R.T. -0.011 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(5-10)DL

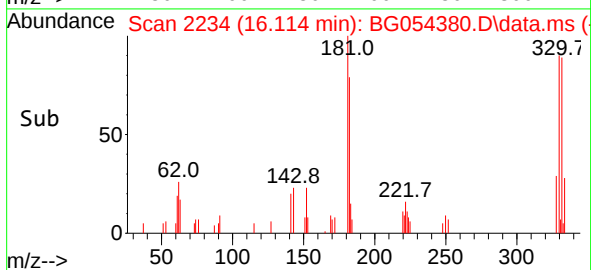
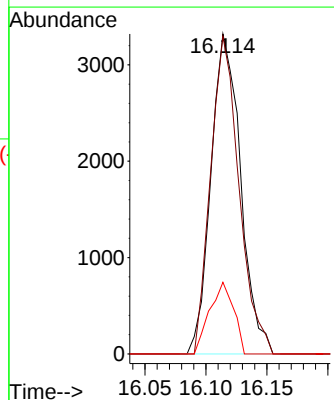
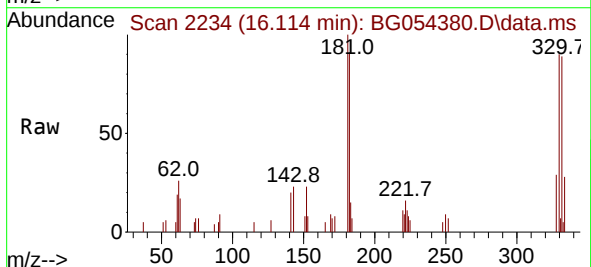


Tgt Ion:164 Resp: 80568
Ion Ratio Lower Upper
164 100
162 106.5 82.3 123.5
160 44.0 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 3.322 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.012 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Tgt Ion:330 Resp: 5619
Ion Ratio Lower Upper
330 100
332 95.1 76.0 114.0
141 18.1 27.1 40.7#

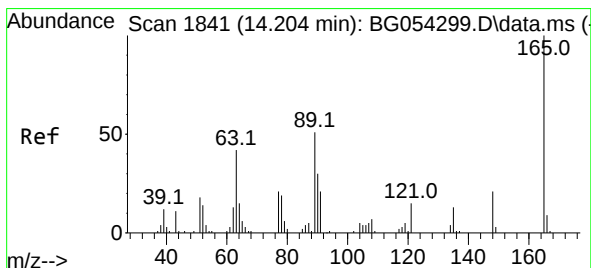
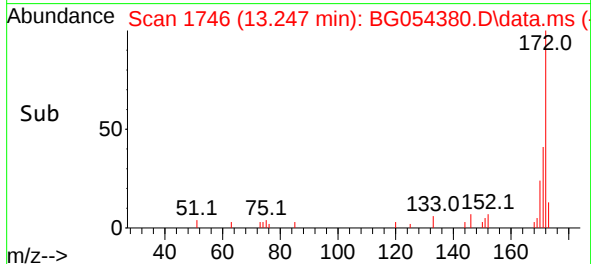
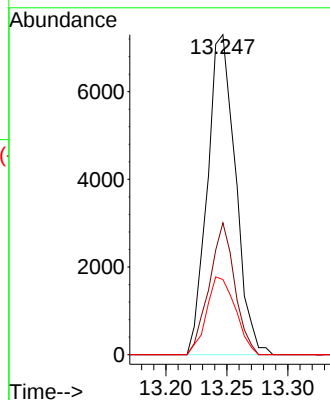
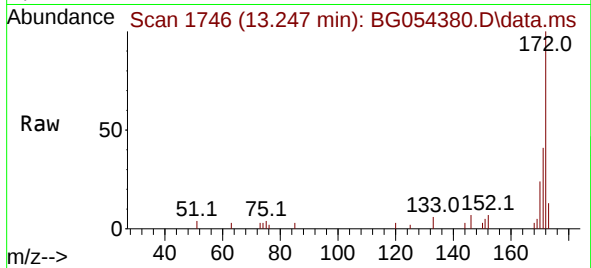




#45
2-Fluorobiphenyl
Concen: 2.048 ng
RT: 13.247 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

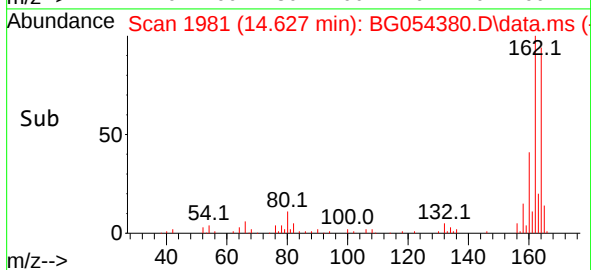
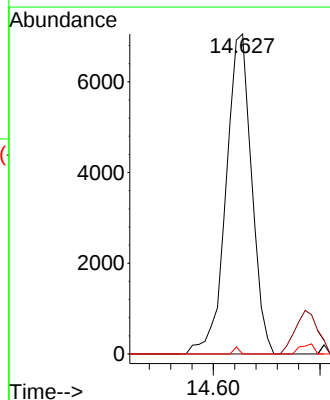
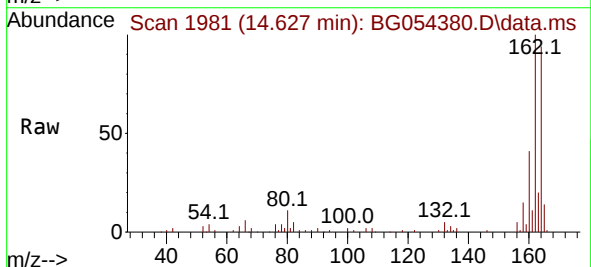
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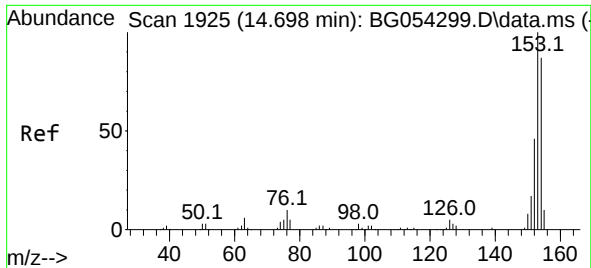
Tgt Ion:172 Resp: 11695
Ion Ratio Lower Upper
172 100
171 41.2 28.5 42.7
170 23.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.513 ng
RT: 14.627 min Scan# 1981
Delta R.T. 0.423 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Tgt Ion:165 Resp: 11751
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

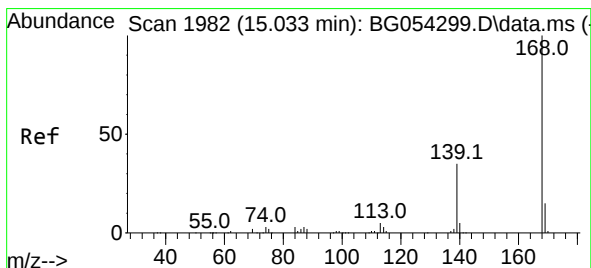
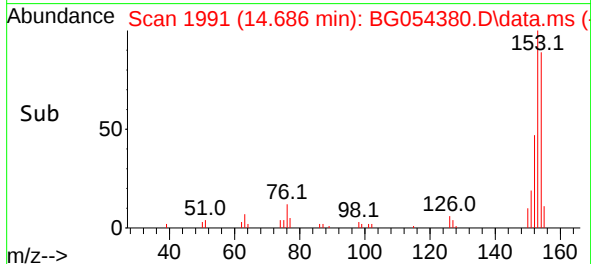
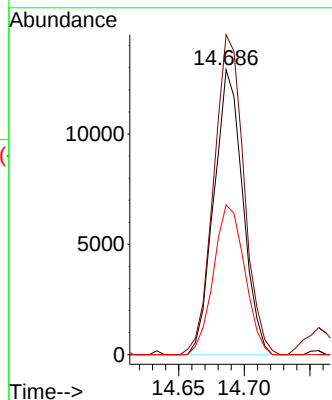
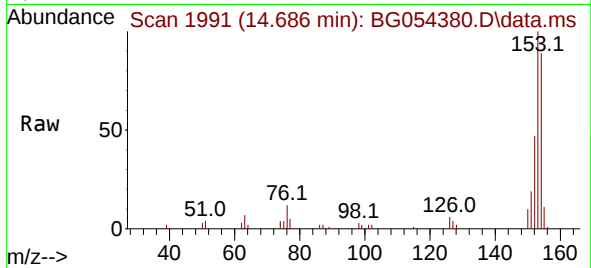




#52
Acenaphthene
Concen: 4.744 ng
RT: 14.686 min Scan# 1925
Delta R.T. -0.012 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

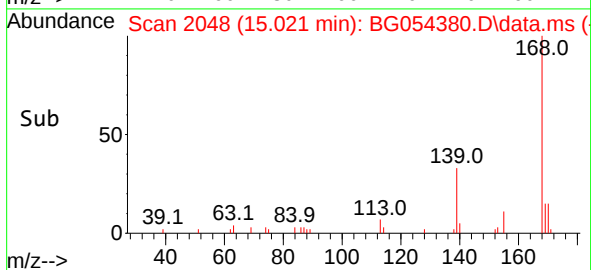
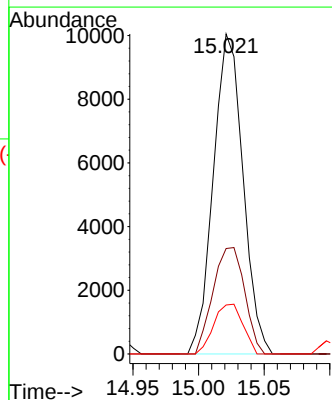
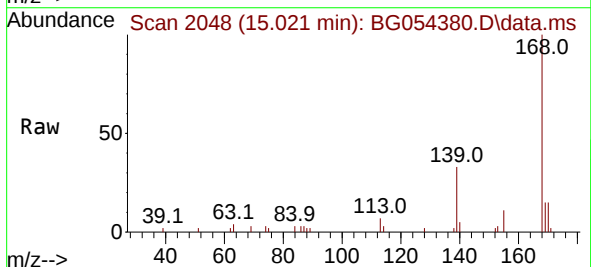
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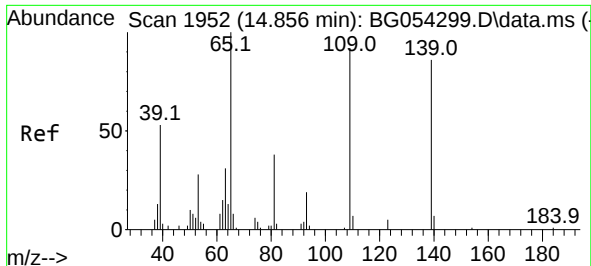
Tgt Ion:154 Resp: 19688
Ion Ratio Lower Upper
154 100
153 112.3 92.7 139.1
152 52.6 42.6 64.0



#55
Dibenzofuran
Concen: 2.138 ng
RT: 15.021 min Scan# 2048
Delta R.T. -0.012 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Tgt Ion:168 Resp: 15791
Ion Ratio Lower Upper
168 100
139 32.9 30.5 45.7
169 15.3 10.3 15.5

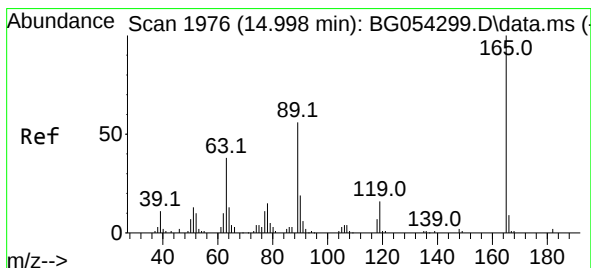
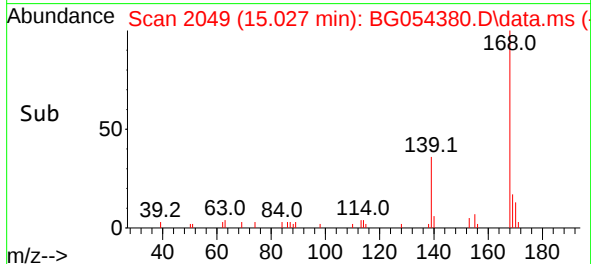
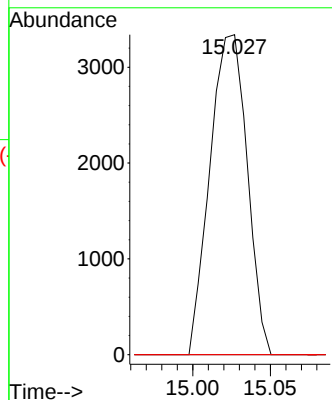
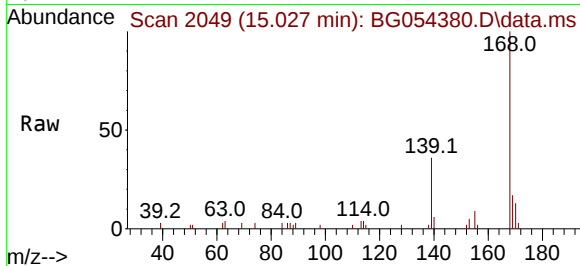




#56
4-Nitrophenol
Concen: 7.245 ng
RT: 15.027 min Scan# 2049
Delta R.T. 0.171 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

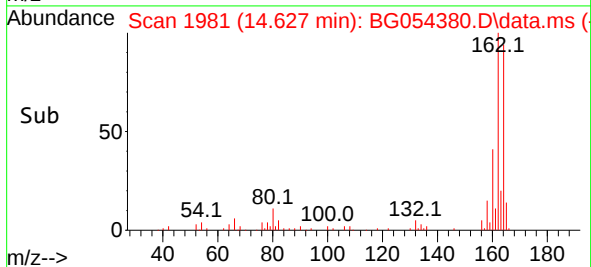
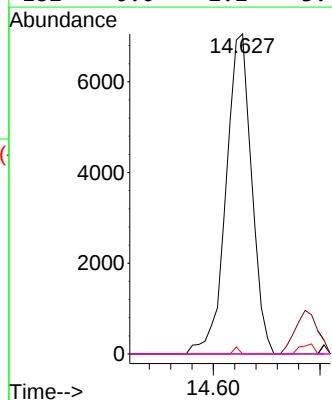
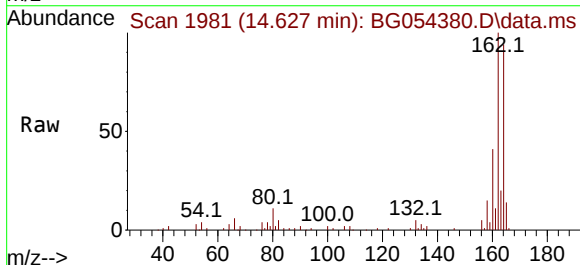
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(5-10)DL

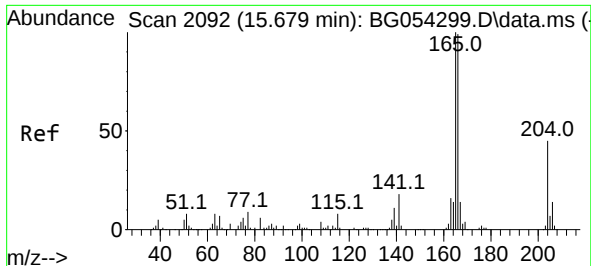
Tgt Ion:139 Resp: 5580
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#



#57
2,4-Dinitrotoluene
Concen: 5.938 ng
RT: 14.627 min Scan# 1981
Delta R.T. -0.370 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Tgt Ion:165 Resp: 11751
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#

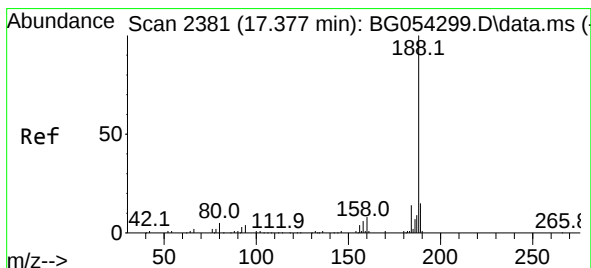
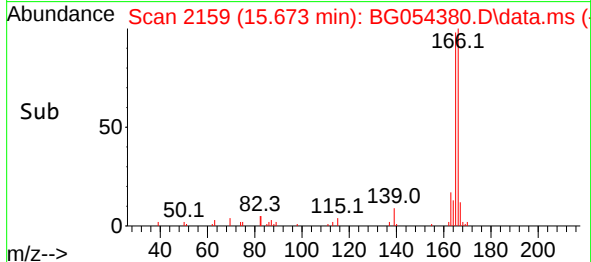
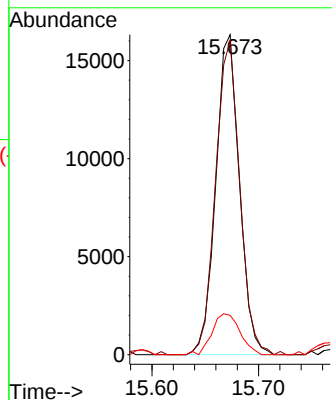
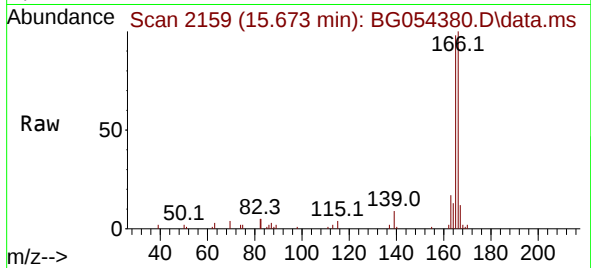




#58
 Fluorene
 Concen: 4.140 ng
 RT: 15.673 min Scan# 2159
 Delta R.T. -0.006 min
 Lab File: BG054380.D
 Acq: 25 Jul 2022 15:08

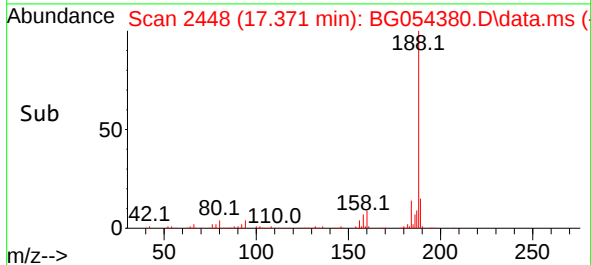
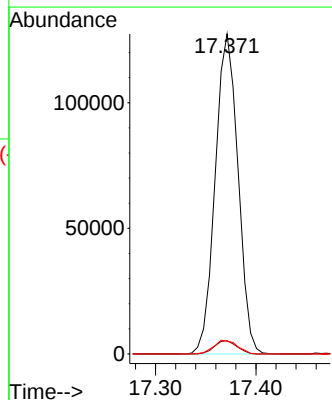
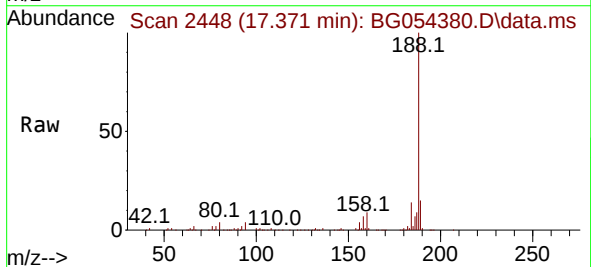
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-3(5-10)DL

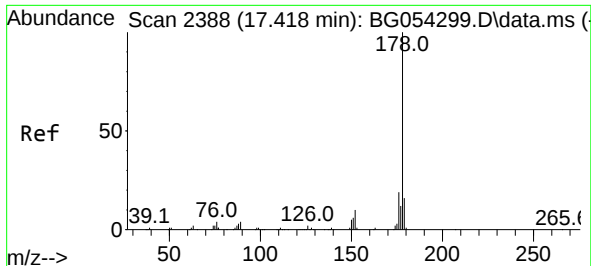
Tgt Ion:166 Resp: 25138
 Ion Ratio Lower Upper
 166 100
 165 98.2 75.0 112.6
 167 12.3 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.371 min Scan# 2448
 Delta R.T. -0.006 min
 Lab File: BG054380.D
 Acq: 25 Jul 2022 15:08

Tgt Ion:188 Resp: 200820
 Ion Ratio Lower Upper
 188 100
 94 4.2 5.4 8.0#
 80 4.0 6.8 10.2#

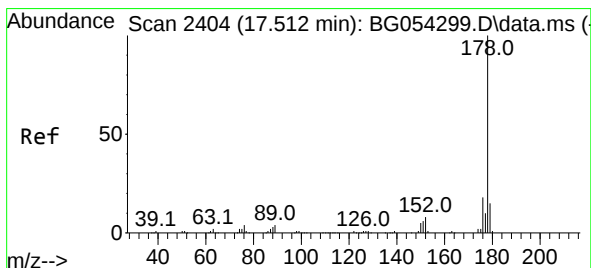
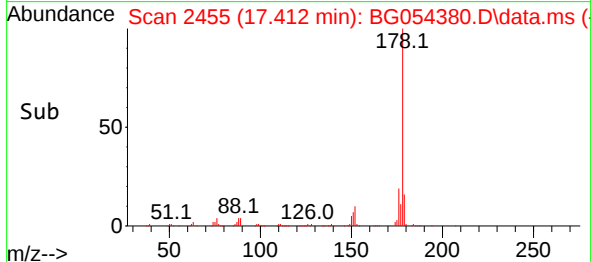
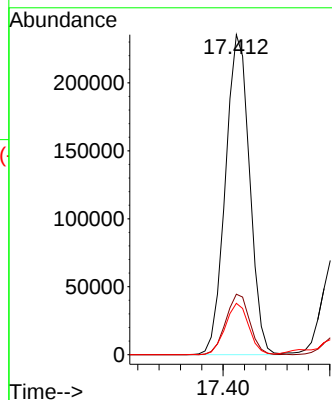
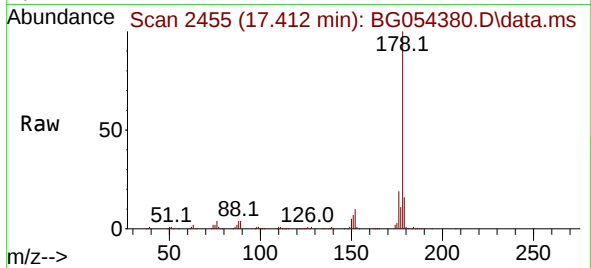




#71
Phenanthrene
Concen: 36.953 ng
RT: 17.412 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

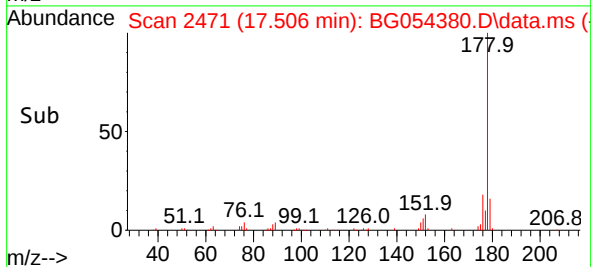
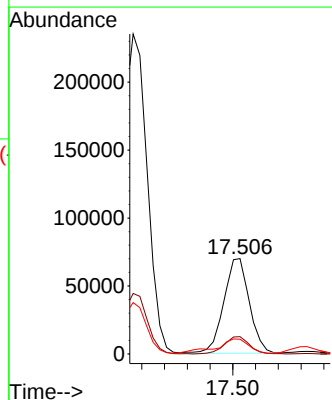
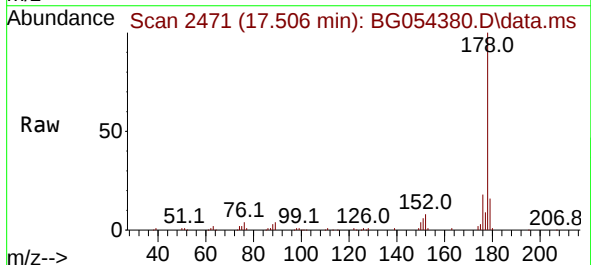
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(5-10)DL

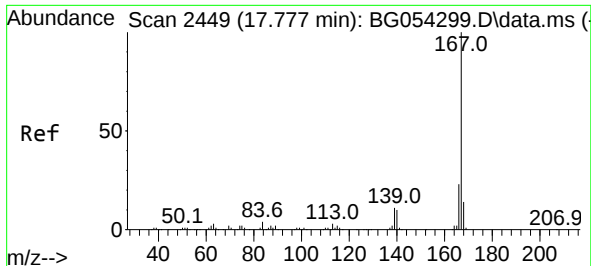
Tgt Ion:178 Resp: 369561
Ion Ratio Lower Upper
178 100
176 18.9 14.1 21.1
179 16.1 12.1 18.1



#72
Anthracene
Concen: 11.053 ng
RT: 17.506 min Scan# 2471
Delta R.T. -0.006 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Tgt Ion:178 Resp: 108473
Ion Ratio Lower Upper
178 100
176 18.2 15.2 22.8
179 15.5 13.0 19.4

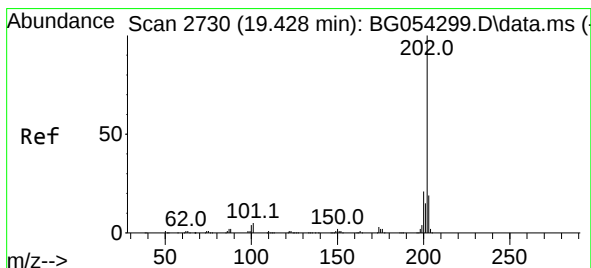
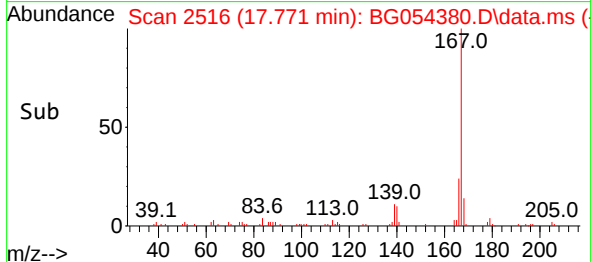
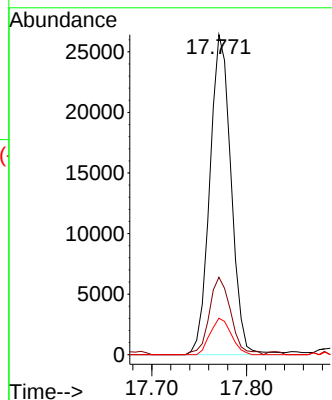
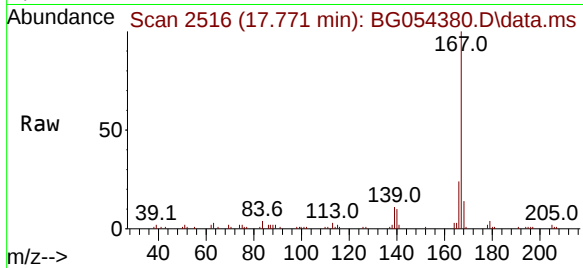




#73
 Carbazole
 Concen: 5.095 ng
 RT: 17.771 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054380.D
 Acq: 25 Jul 2022 15:08

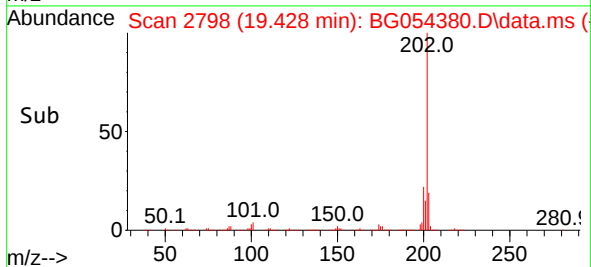
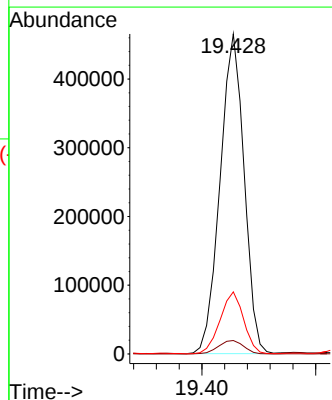
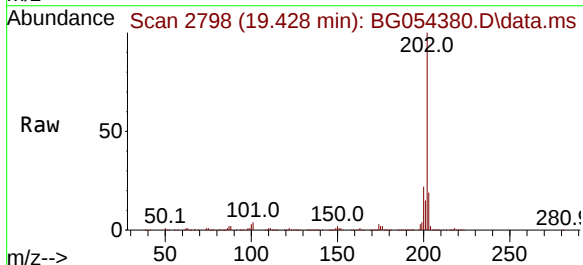
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-3(5-10)DL

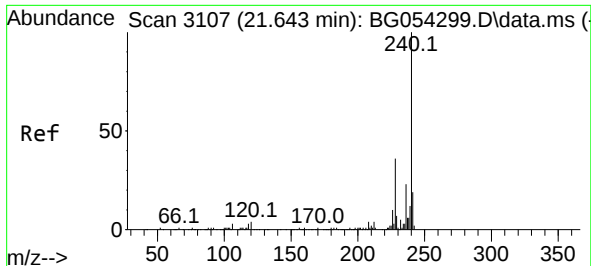
Tgt Ion:167 Resp: 41169
 Ion Ratio Lower Upper
 167 100
 166 24.2 18.2 27.2
 139 11.4 10.1 15.1



#75
 Fluoranthene
 Concen: 50.049 ng
 RT: 19.428 min Scan# 2798
 Delta R.T. 0.000 min
 Lab File: BG054380.D
 Acq: 25 Jul 2022 15:08

Tgt Ion:202 Resp: 682299
 Ion Ratio Lower Upper
 202 100
 101 4.2 0.0 26.9
 203 19.4 0.0 37.2

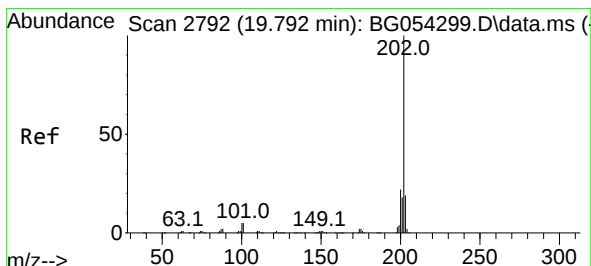
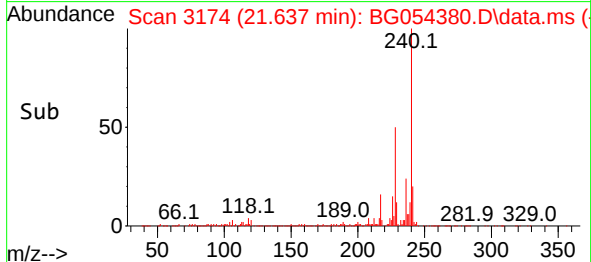
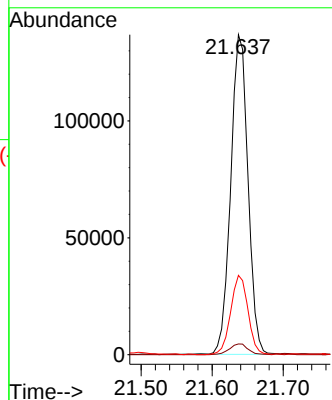
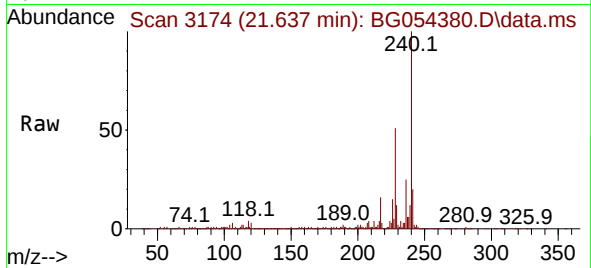




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

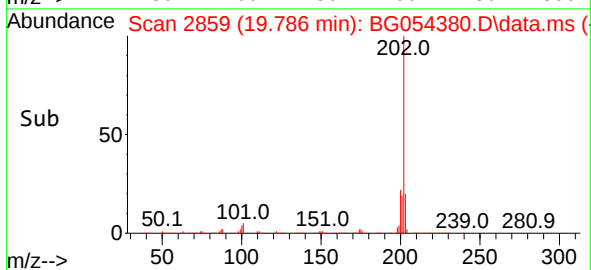
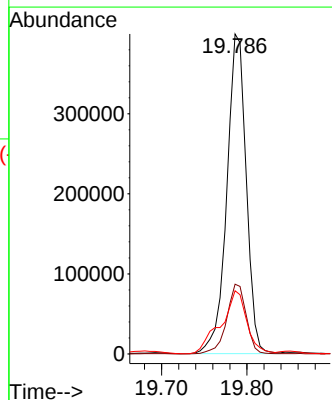
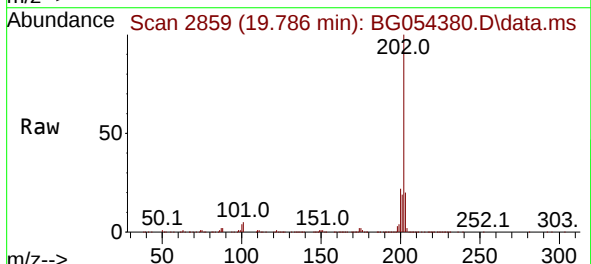
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(5-10)DL

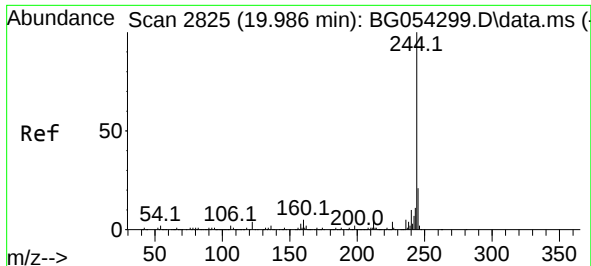
Tgt Ion:240 Resp: 230817
Ion Ratio Lower Upper
240 100
120 3.3 4.6 7.0#
236 24.8 20.2 30.4



#78
Pyrene
Concen: 47.759 ng
RT: 19.786 min Scan# 2859
Delta R.T. -0.006 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Tgt Ion:202 Resp: 632529
Ion Ratio Lower Upper
202 100
200 21.8 16.6 24.8
203 19.8 14.6 21.8

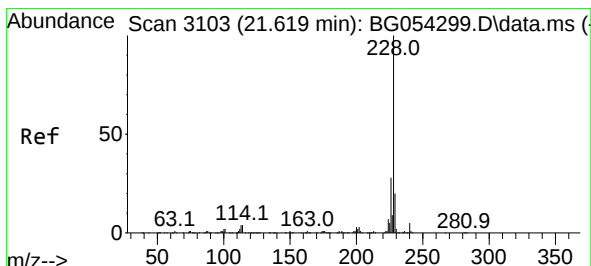
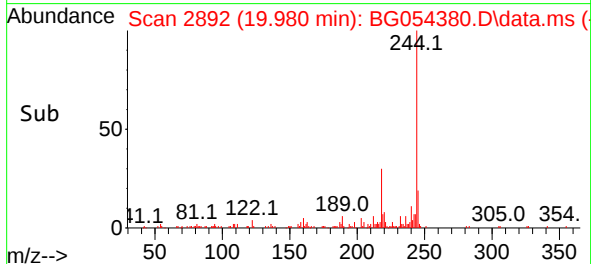
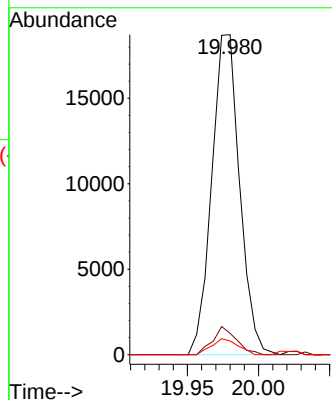
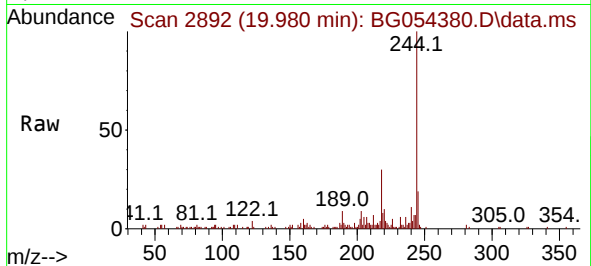




#79
 Terphenyl-d14
 Concen: 2.193 ng
 RT: 19.980 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054380.D
 Acq: 25 Jul 2022 15:08

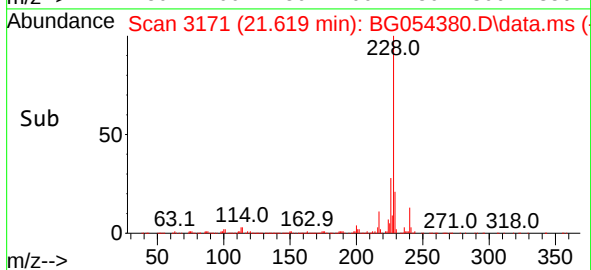
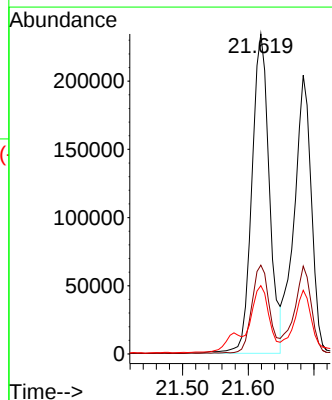
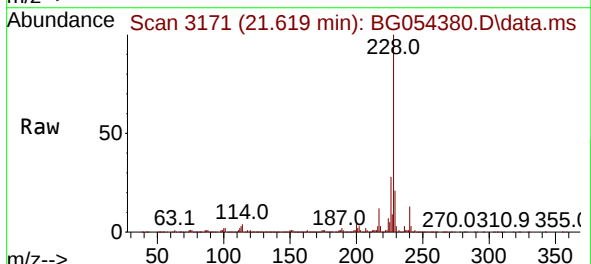
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-3(5-10)DL

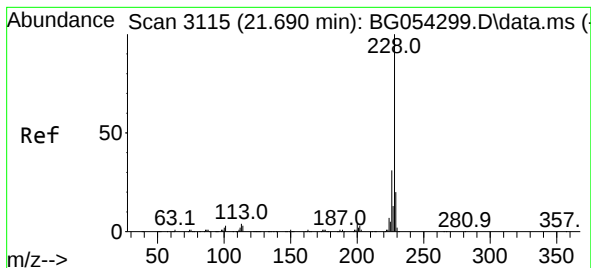
Tgt Ion:244 Resp: 25520
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 4.3 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 29.580 ng
 RT: 21.619 min Scan# 3171
 Delta R.T. 0.000 min
 Lab File: BG054380.D
 Acq: 25 Jul 2022 15:08

Tgt Ion:228 Resp: 433411
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.6 32.4
 229 21.3 16.2 24.2





#83

Chrysene

Concen: 26.679 ng

RT: 21.684 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BG054380.D

Acq: 25 Jul 2022 15:08

Instrument :

BNA_G

ClientSampleId :

ENV-DE-3(5-10)DL

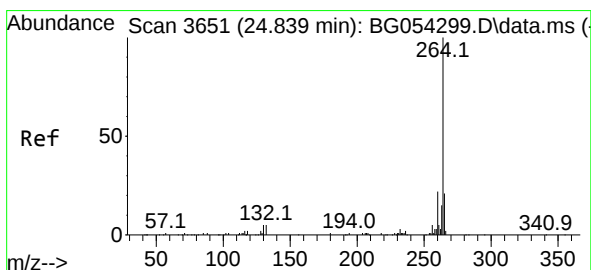
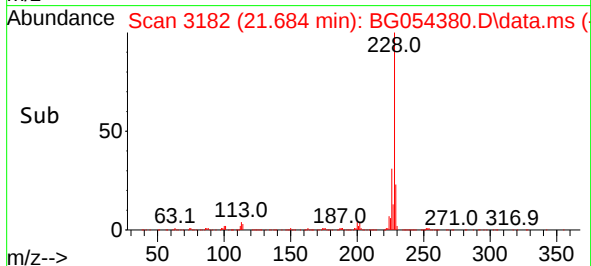
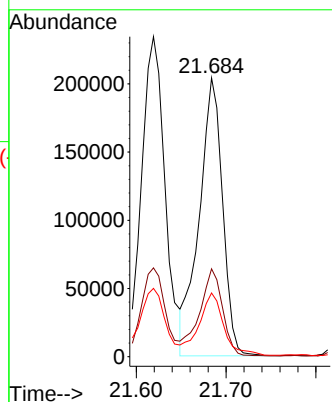
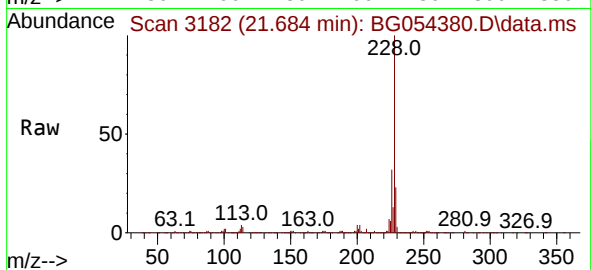
Tgt Ion:228 Resp: 369309

Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.2

229 22.9 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.845 min Scan# 3720

Delta R.T. 0.006 min

Lab File: BG054380.D

Acq: 25 Jul 2022 15:08

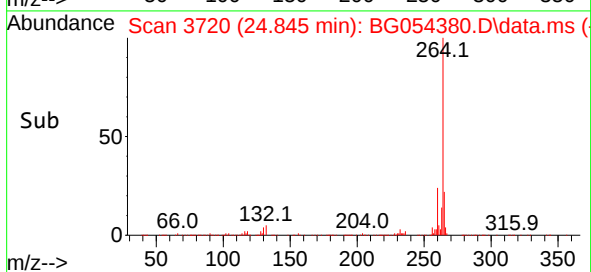
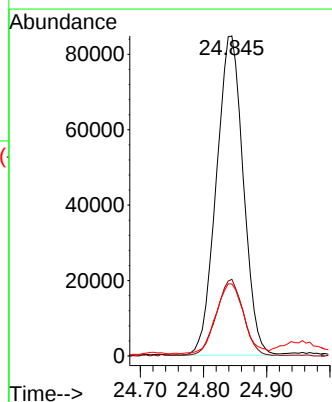
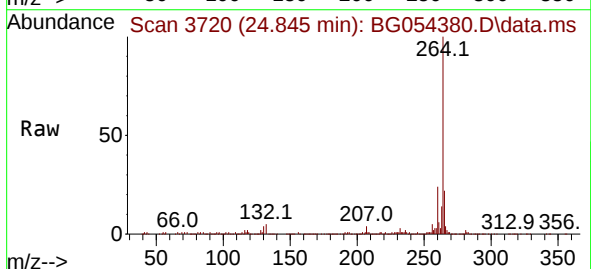
Tgt Ion:264 Resp: 250658

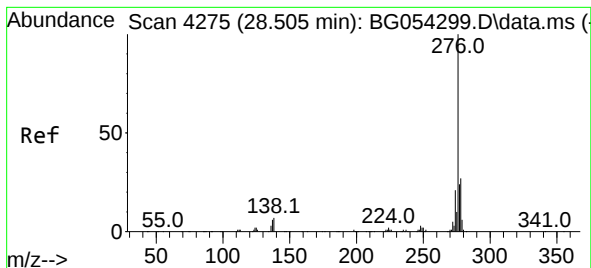
Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 22.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.504 ng

RT: 28.505 min Scan# 41

Delta R.T. 0.000 min

Lab File: BG054380.D

Acq: 25 Jul 2022 15:08

Instrument :

BNA_G

ClientSampleId :

ENV-DE-3(5-10)DL

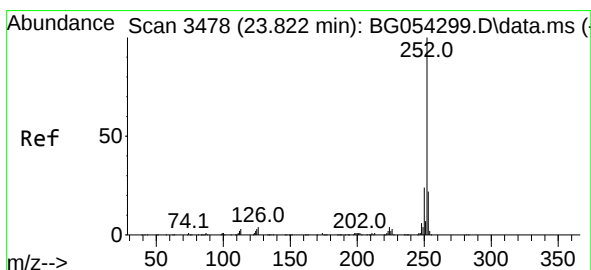
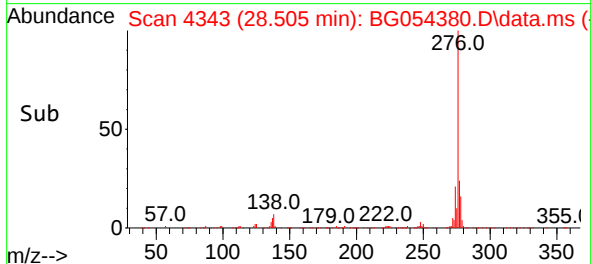
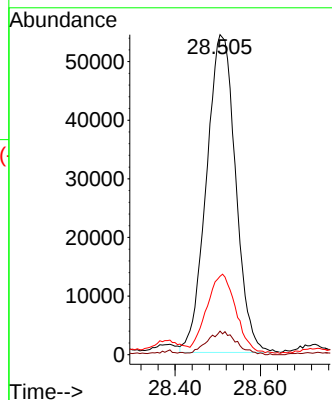
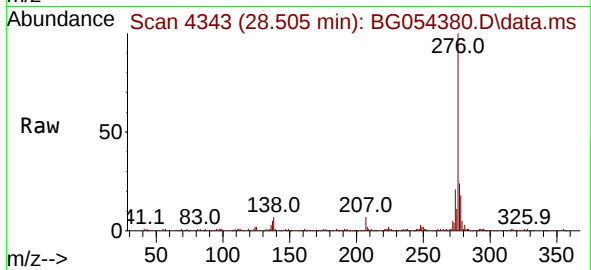
Tgt Ion:276 Resp: 257502

Ion Ratio Lower Upper

276 100

138 7.4 5.0 7.4

277 25.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 32.355 ng

RT: 23.834 min Scan# 3548

Delta R.T. 0.012 min

Lab File: BG054380.D

Acq: 25 Jul 2022 15:08

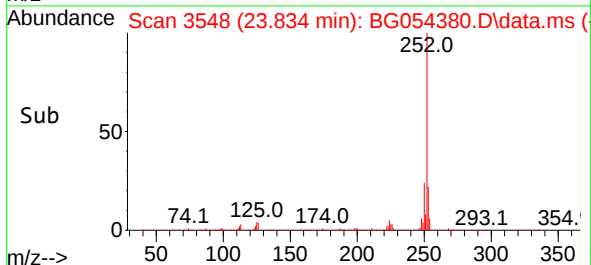
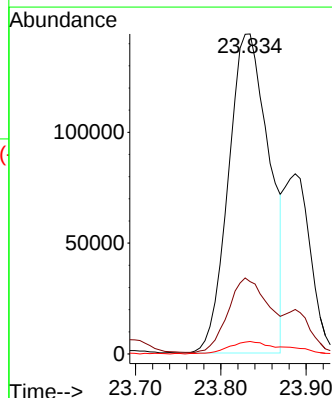
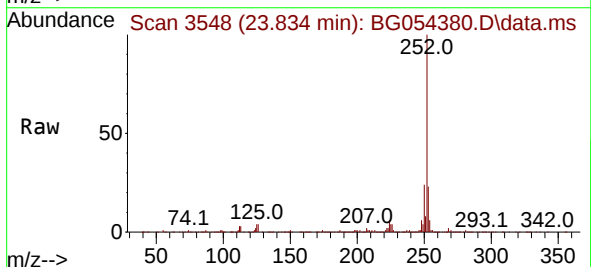
Tgt Ion:252 Resp: 479612

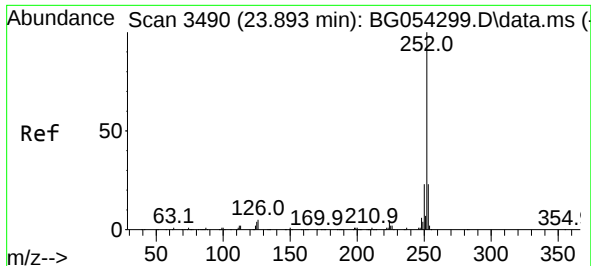
Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

125 3.9 4.6 6.8#

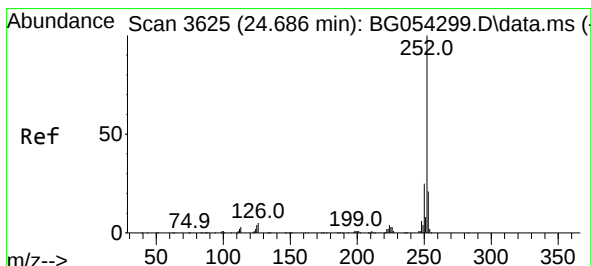
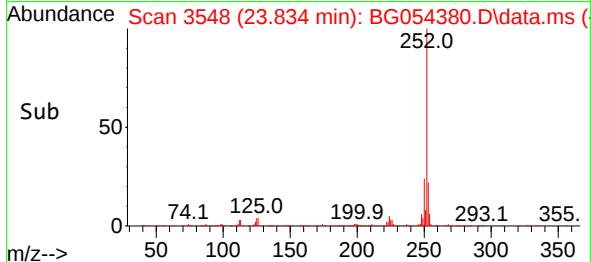
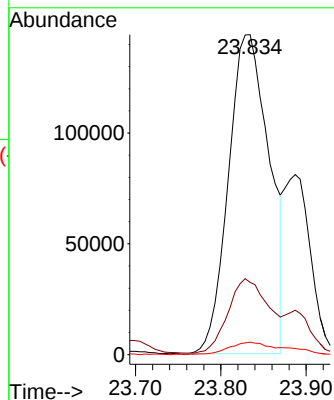
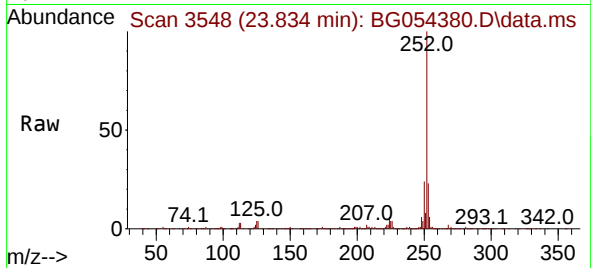




#89
Benzo(k)fluoranthene
Concen: 32.510 ng
RT: 23.834 min Scan# 31
Delta R.T. -0.059 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

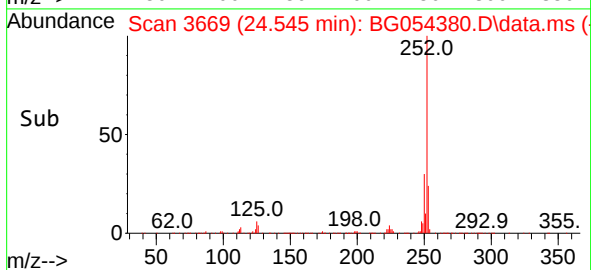
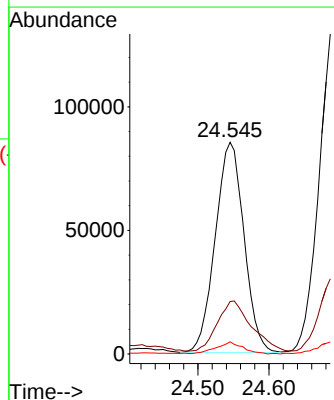
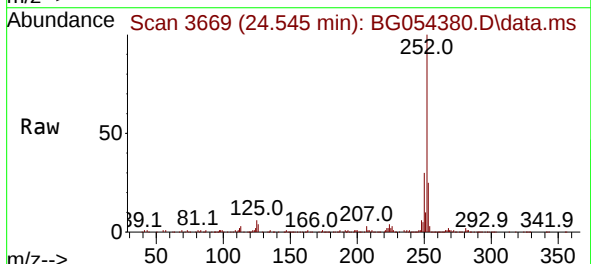
Instrument :
BNA_G
ClientSampleId :
ENV-DE-3(5-10)DL

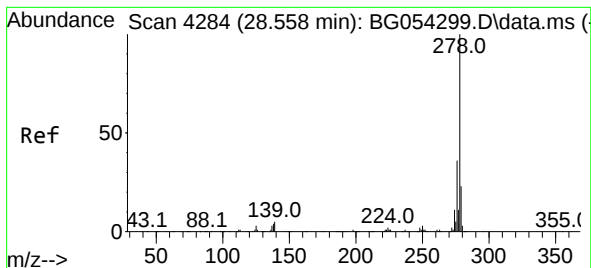
Tgt Ion:252 Resp: 479612
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 3.9 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 18.817 ng
RT: 24.545 min Scan# 3669
Delta R.T. -0.141 min
Lab File: BG054380.D
Acq: 25 Jul 2022 15:08

Tgt Ion:252 Resp: 238211
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 5.8 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 4.583 ng

RT: 28.529 min Scan# 41

Delta R.T. -0.029 min

Lab File: BG054380.D

Acq: 25 Jul 2022 15:08

Instrument :

BNA_G

ClientSampleId :

ENV-DE-3(5-10)DL

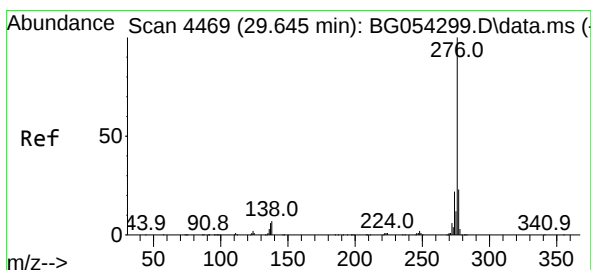
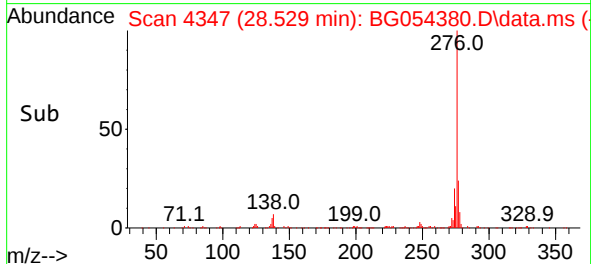
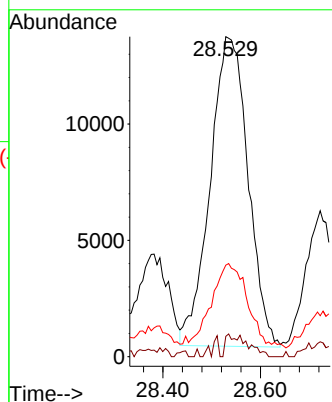
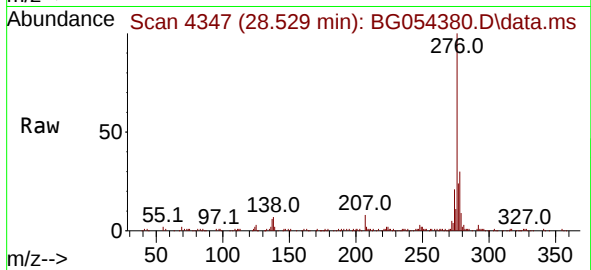
Tgt Ion:278 Resp: 71864

Ion Ratio Lower Upper

278 100

139 6.4 7.2 10.8#

279 28.6 18.6 27.8#



#92

Benzo(g,h,i)perylene

Concen: 15.924 ng

RT: 29.657 min Scan# 4539

Delta R.T. 0.012 min

Lab File: BG054380.D

Acq: 25 Jul 2022 15:08

Tgt Ion:276 Resp: 246437

Ion Ratio Lower Upper

276 100

277 24.7 17.3 25.9

138 7.3 9.6 14.4#

