

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054561.D
 Acq On : 8 Aug 2022 20:26
 Operator : CG/JU
 Sample : N4063-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5A

Quant Time: Aug 09 01:57:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

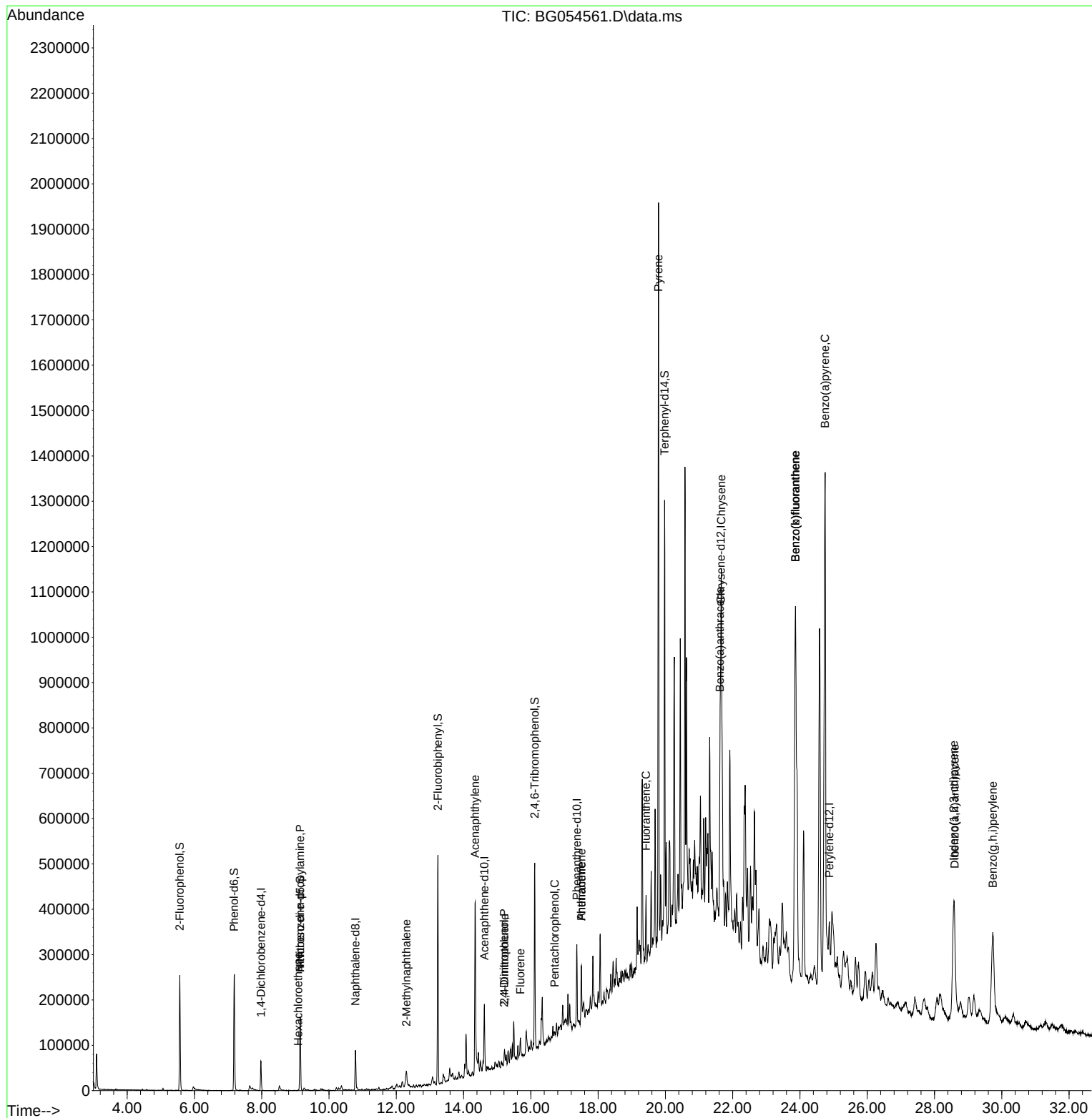
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.979	152	20480	20.000	ng	0.00
21) Naphthalene-d8	10.788	136	79937	20.000	ng	# 0.00
39) Acenaphthene-d10	14.619	164	54556	20.000	ng	0.00
64) Phenanthrene-d10	17.368	188	124731	20.000	ng	# 0.00
76) Chrysene-d12	21.646	240	148281	20.000	ng	# 0.01
86) Perylene-d12	24.871	264	143275	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.565	112	116092	118.353	ng	0.00
7) Phenol-d6	7.180	99	151823	112.957	ng	0.00
23) Nitrobenzene-d5	9.143	82	102563	69.871	ng	0.00
42) 2,4,6-Tribromophenol	16.117	330	112061	97.829	ng	0.00
45) 2-Fluorobiphenyl	13.238	172	284356	73.528	ng	0.00
79) Terphenyl-d14	19.977	244	522364	69.885	ng	0.00
Target Compounds						
9) Benzaldehyde	7.133	77	140	Below Cal		Qvalue # 10
18) Hexachloroethane	9.084	117	1155	2.459	ng	# 1
19) n-Nitroso-di-n-propyla...	9.143	70	14829	16.522	ng	# 81
37) 2-Methylnaphthalene	12.298	142	29436	9.553	ng	# 86
49) Acenaphthylene	14.349	152	397835	85.717	ng	# 99
54) 2,4-Dinitrophenol	15.212	184	70	6.717	ng	# 1
57) 2,4-Dinitrotoluene	15.218	165	3630	2.709	ng	# 50
58) Fluorene	15.688	166	22091	5.373	ng	# 47
70) Pentachlorophenol	16.710	266	55	3.842	ng	# 16
71) Phenanthrene	17.504	178	129255	20.809	ng	# 98
72) Anthracene	17.504	178	129255	21.205	ng	# 98
75) Fluoranthene	19.425	202	96451	11.391	ng	# 91
78) Pyrene	19.795	202	1104439	129.808	ng	# 94
81) Benzo(a)anthracene	21.622	228	302869	32.176	ng	# 81
83) Chrysene	21.663	228	561823	63.177	ng	# 66
87) Indeno(1,2,3-cd)pyrene	28.573	276	621278	57.000	ng	# 98
88) Benzo(b)fluoranthene	23.867	252	1692413	199.739	ng	# 98
89) Benzo(k)fluoranthene	23.867	252	1692413	200.699	ng	# 99
90) Benzo(a)pyrene	24.748	252	1475104	203.853	ng	# 97
91) Dibenzo(a,h)anthracene	28.596	278	153633	17.142	ng	# 91
92) Benzo(g,h,i)perylene	29.736	276	609590	68.913	ng	# 91

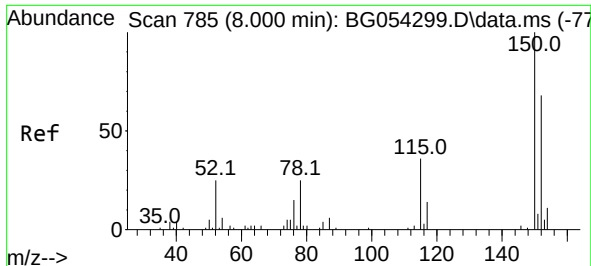
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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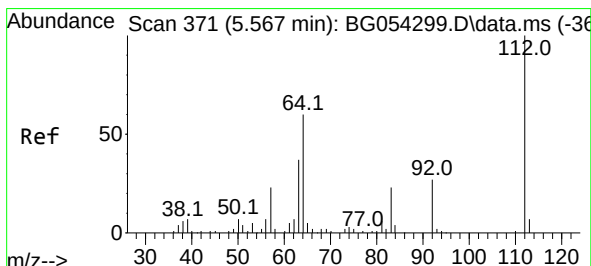
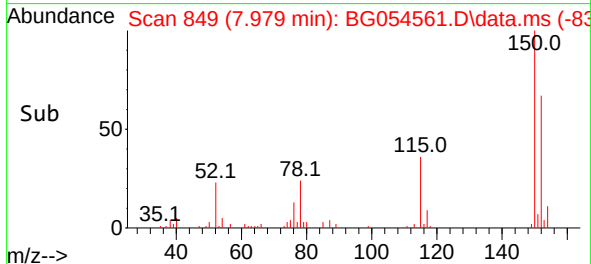
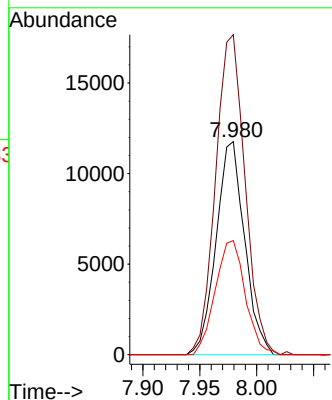
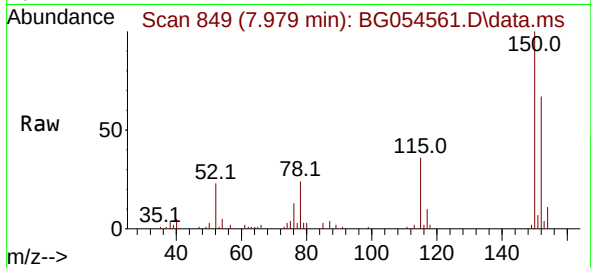




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.979 min Scan# 84
Delta R.T. 0.007 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

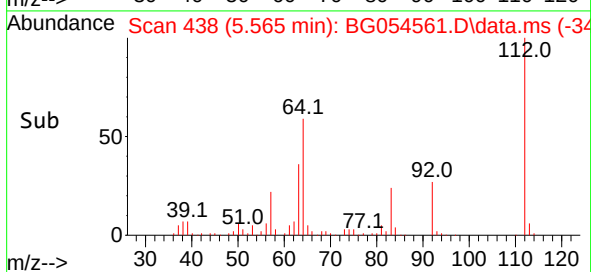
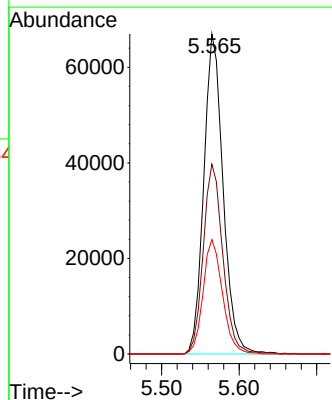
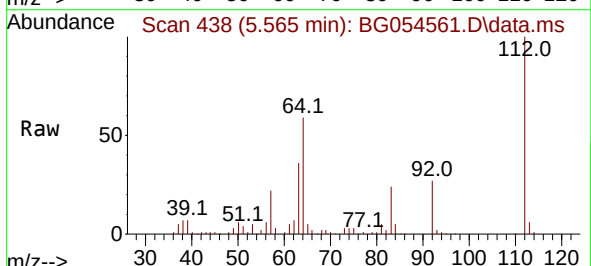
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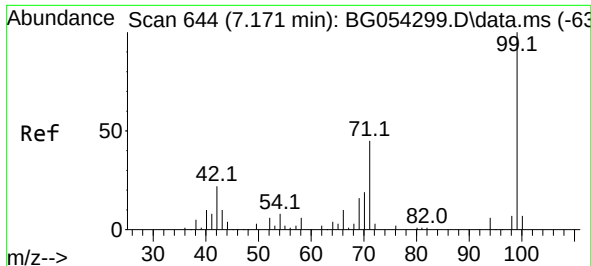
Tgt Ion:152 Resp: 20480
Ion Ratio Lower Upper
152 100
150 150.2 131.6 197.4
115 53.5 50.9 76.3



#5
2-Fluorophenol
Concen: 118.353 ng
RT: 5.565 min Scan# 438
Delta R.T. 0.001 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

Tgt Ion:112 Resp: 116092
Ion Ratio Lower Upper
112 100
64 59.3 55.1 82.7
63 35.7 30.4 45.6

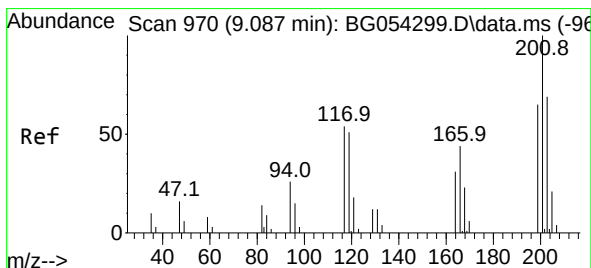
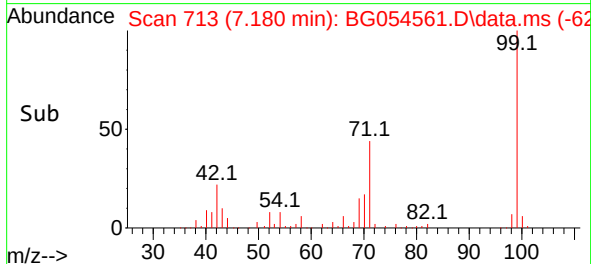
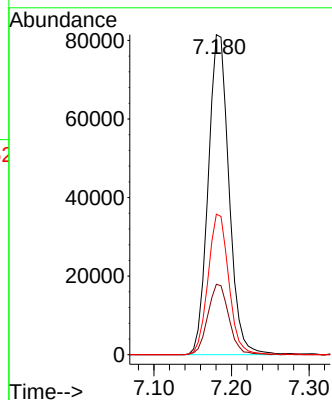
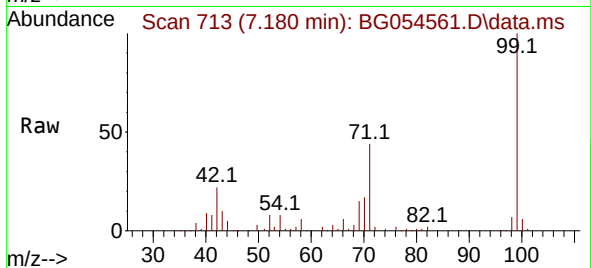




#7
Phenol-d6
Concen: 112.957 ng
RT: 7.180 min Scan# 71
Delta R.T. 0.001 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

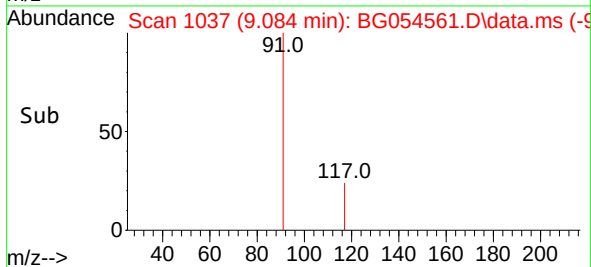
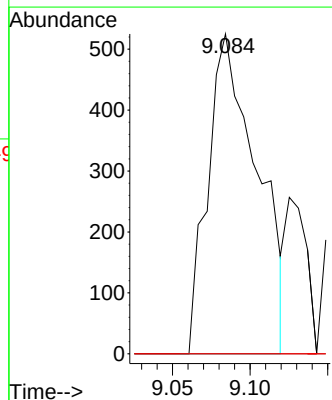
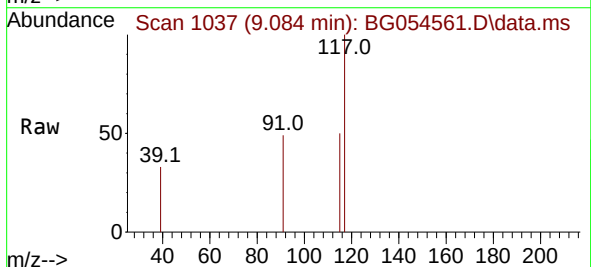
Instrument :
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ClientSampleId :
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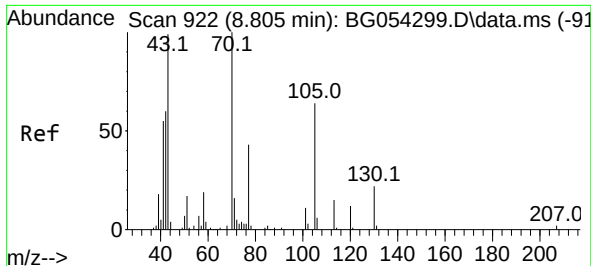
Tgt Ion: 99 Resp: 151823
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 43.9 33.8 50.8



#18
Hexachloroethane
Concen: 2.459 ng
RT: 9.084 min Scan# 1037
Delta R.T. 0.031 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

Tgt Ion: 117 Resp: 1155
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.6#
201 0.0 89.0 133.6#

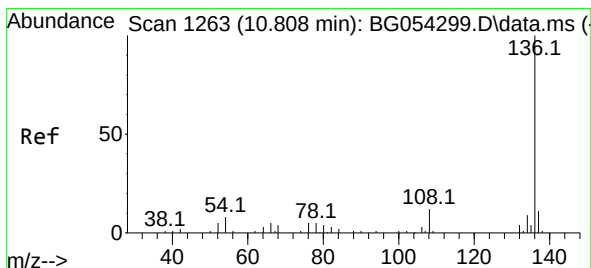
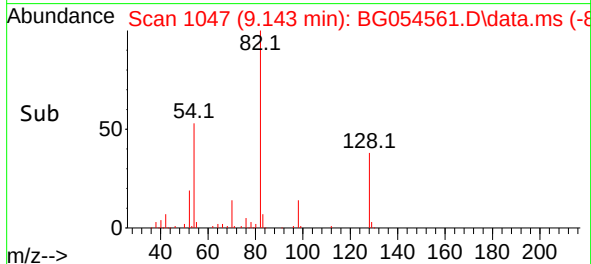
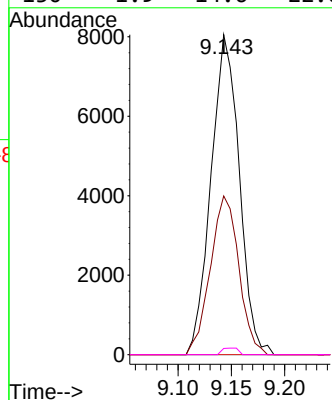
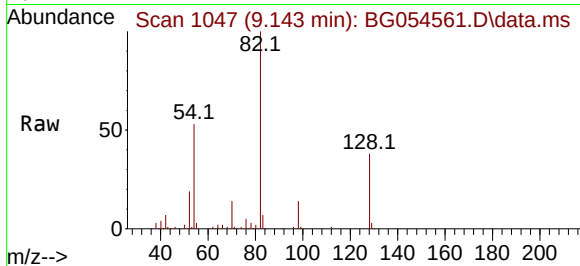




#19
n-Nitroso-di-n-propylamine
Concen: 16.522 ng
RT: 9.143 min Scan# 1047
Delta R.T. 0.360 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

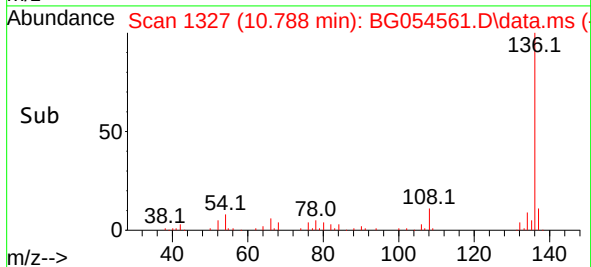
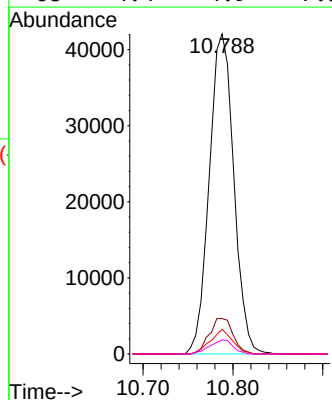
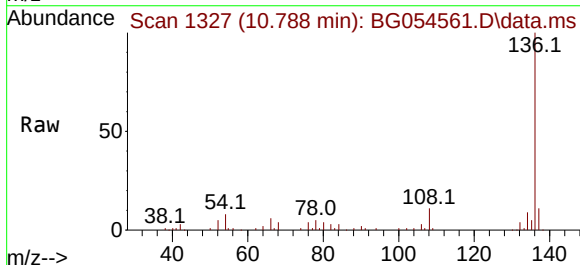
Instrument :
BNA_G
ClientSampleId :
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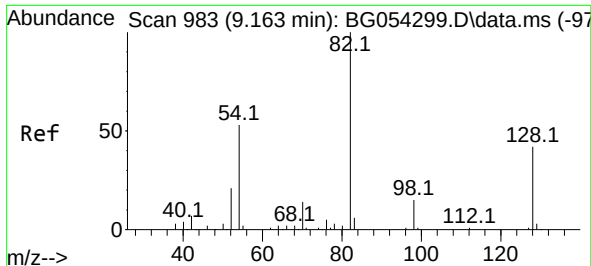
Tgt Ion:	70	Resp:	14829
Ion	Ratio	Lower	Upper
70	100		
42	49.6	47.3	70.9
101	0.0	7.0	10.4#
130	1.9	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.788 min Scan# 1327
Delta R.T. 0.001 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

Tgt Ion:	136	Resp:	79937
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.7	7.4	11.2
68	4.4	4.9	7.3#

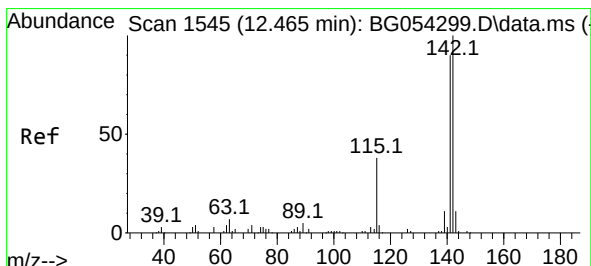
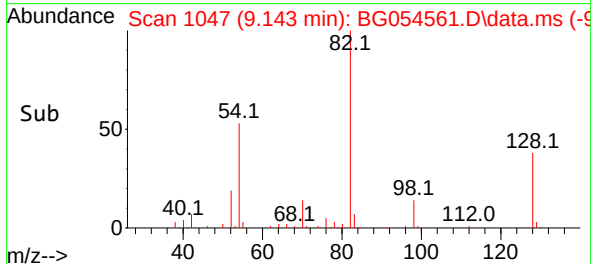
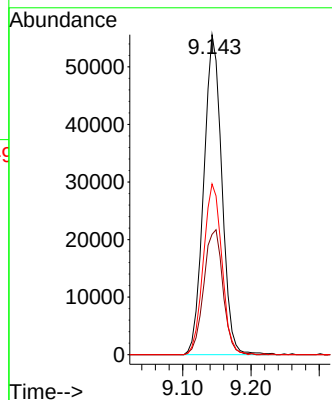
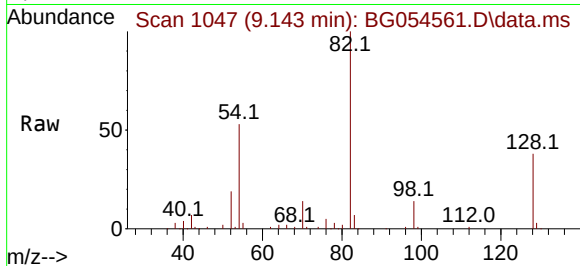




#23
 Nitrobenzene-d5
 Concen: 69.871 ng
 RT: 9.143 min Scan# 1047
 Delta R.T. 0.001 min
 Lab File: BG054561.D
 Acq: 8 Aug 2022 20:26

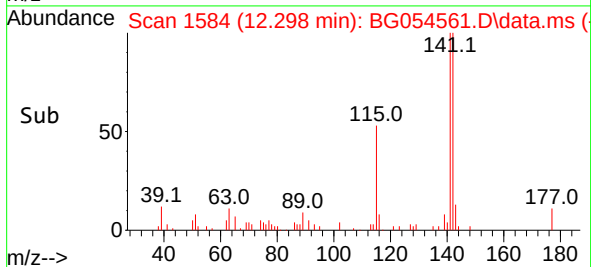
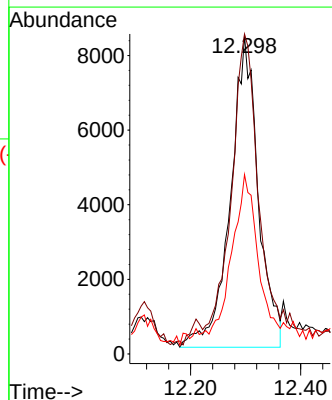
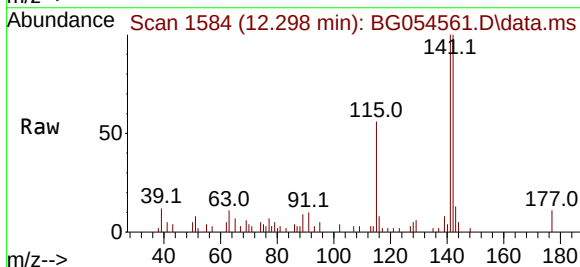
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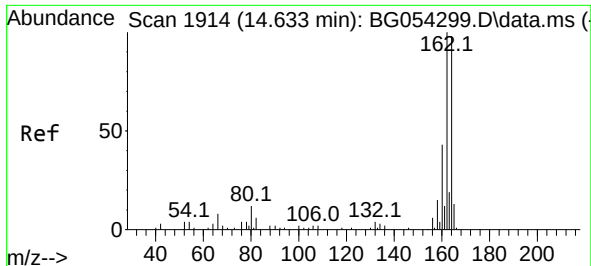
Tgt Ion: 82 Resp: 102563
 Ion Ratio Lower Upper
 82 100
 128 37.6 27.9 41.9
 54 53.4 41.2 61.8



#37
 2-Methylnaphthalene
 Concen: 9.553 ng
 RT: 12.298 min Scan# 1584
 Delta R.T. -0.146 min
 Lab File: BG054561.D
 Acq: 8 Aug 2022 20:26

Tgt Ion: 142 Resp: 29436
 Ion Ratio Lower Upper
 142 100
 141 100.4 72.3 108.5
 115 56.3 33.7 50.5#

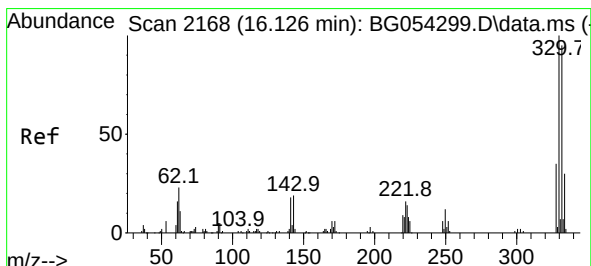
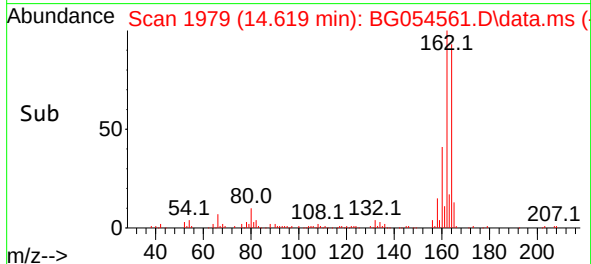
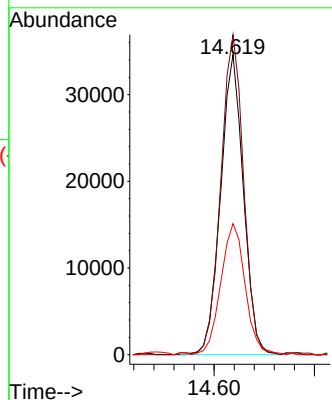
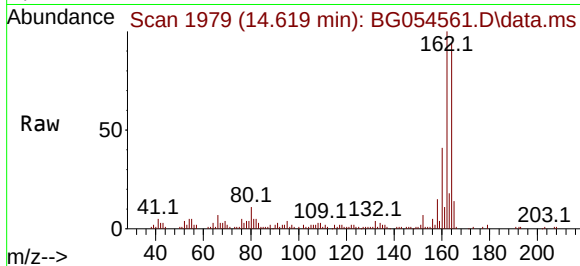




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.619 min Scan# 14
Delta R.T. 0.001 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

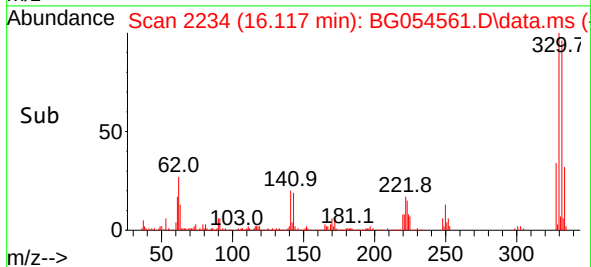
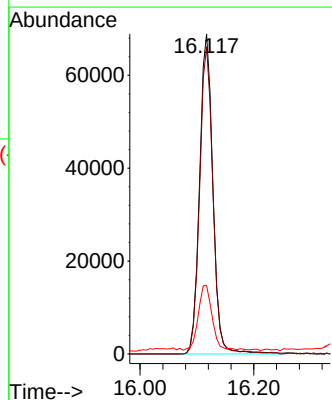
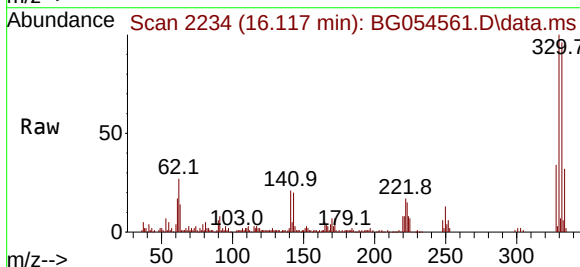
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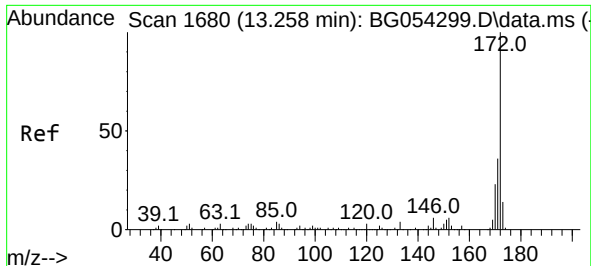
Tgt Ion:164 Resp: 54556
Ion Ratio Lower Upper
164 100
162 106.6 82.3 123.5
160 43.7 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 97.829 ng
RT: 16.117 min Scan# 2234
Delta R.T. 0.001 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

Tgt Ion:330 Resp: 112061
Ion Ratio Lower Upper
330 100
332 95.0 76.0 114.0
141 21.2 27.1 40.7#

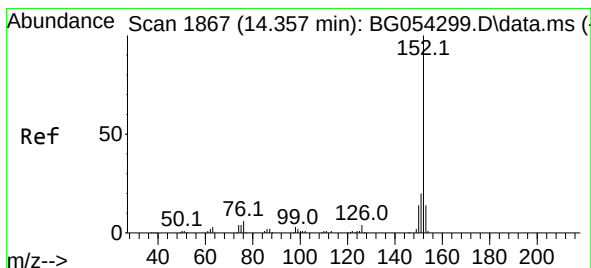
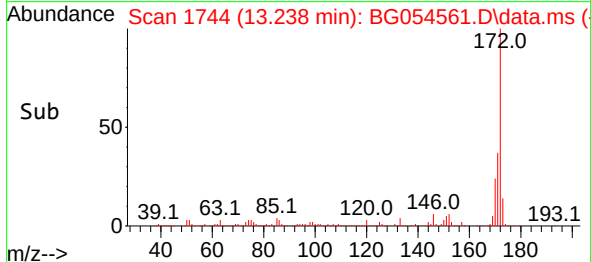
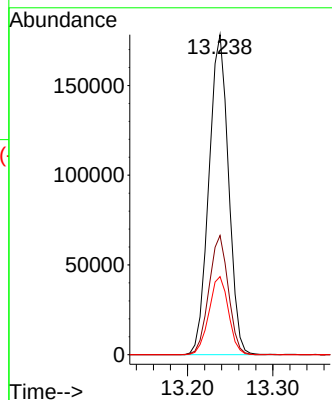
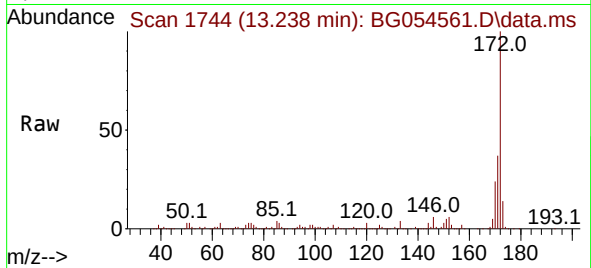




#45
2-Fluorobiphenyl
Concen: 73.528 ng
RT: 13.238 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

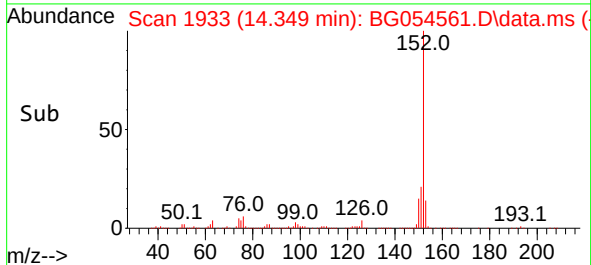
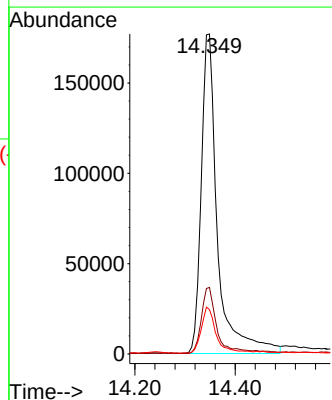
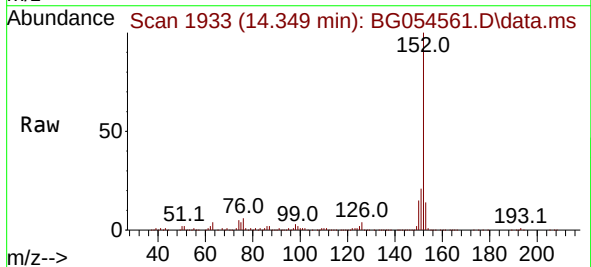
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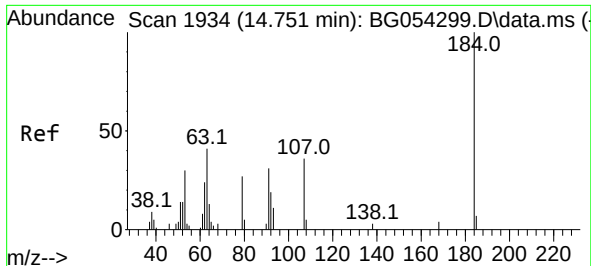
Tgt Ion:172 Resp: 284356
Ion Ratio Lower Upper
172 100
171 37.3 28.5 42.7
170 24.4 18.9 28.3



#49
Acenaphthylene
Concen: 85.717 ng
RT: 14.349 min Scan# 1933
Delta R.T. 0.007 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

Tgt Ion:152 Resp: 397835
Ion Ratio Lower Upper
152 100
151 20.8 16.4 24.6
153 13.9 10.8 16.2

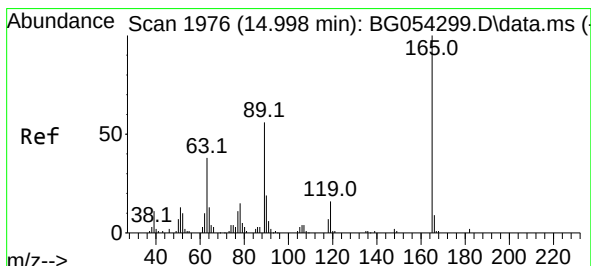
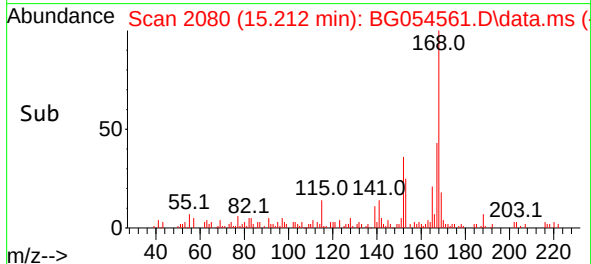
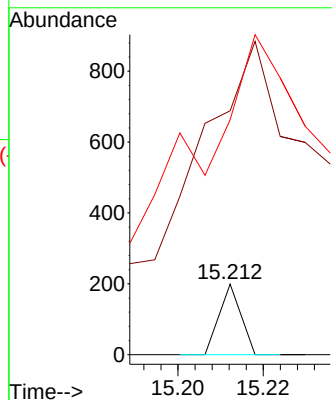
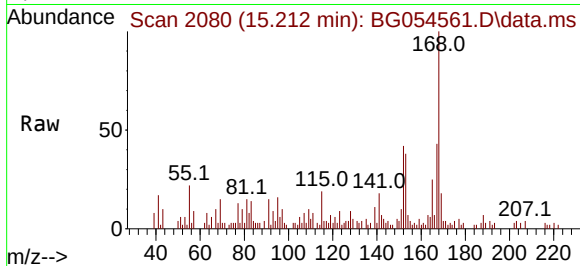




#54
2,4-Dinitrophenol
Concen: 6.717 ng
RT: 15.212 min Scan# 2080
Delta R.T. 0.448 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

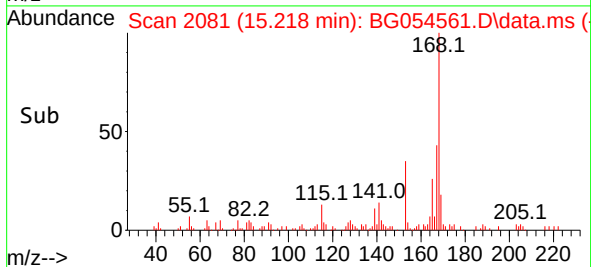
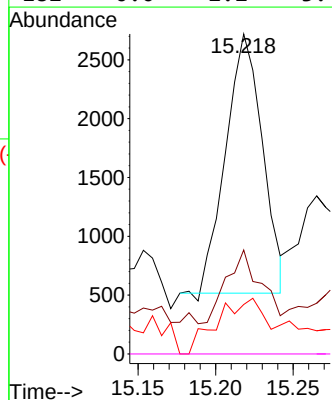
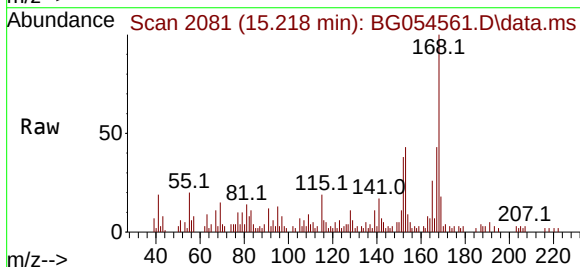
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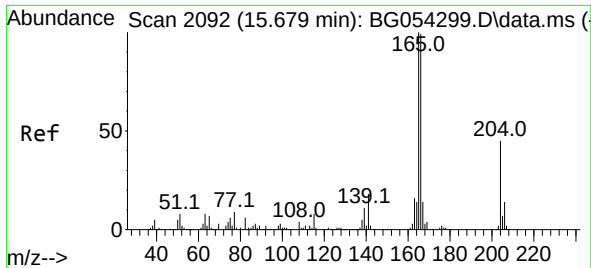
Tgt Ion:184 Resp: 70
Ion Ratio Lower Upper
184 100
63 345.7 61.1 91.7#
154 333.2 60.6 91.0#



#57
2,4-Dinitrotoluene
Concen: 2.709 ng
RT: 15.218 min Scan# 2081
Delta R.T. 0.225 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

Tgt Ion:165 Resp: 3630
Ion Ratio Lower Upper
165 100
63 32.5 34.6 52.0#
89 15.4 60.3 90.5#
182 0.0 2.2 3.4#

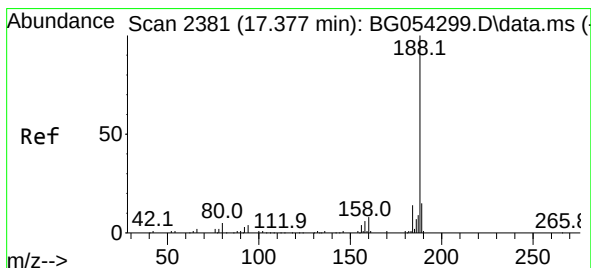
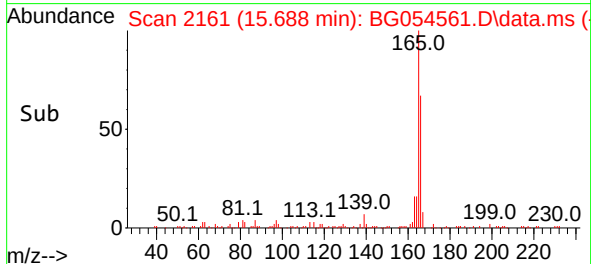
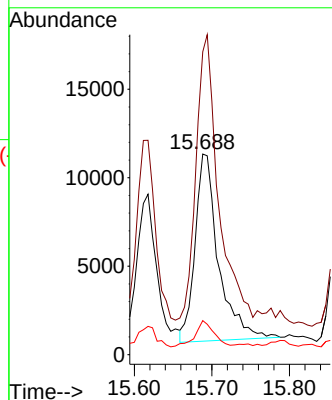
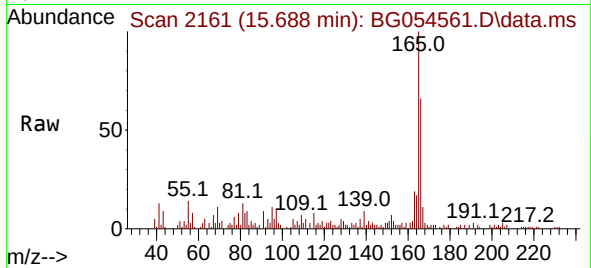




#58
Fluorene
Concen: 5.373 ng
RT: 15.688 min Scan# 2161
Delta R.T. 0.025 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

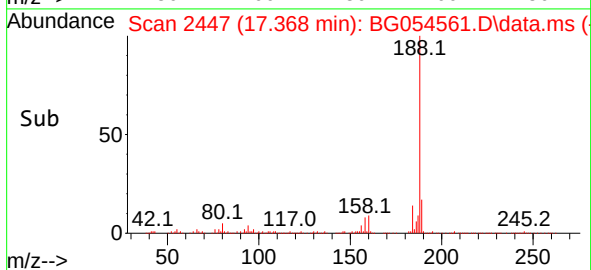
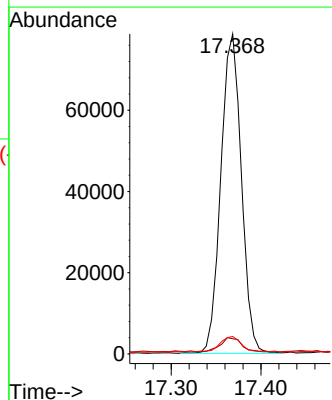
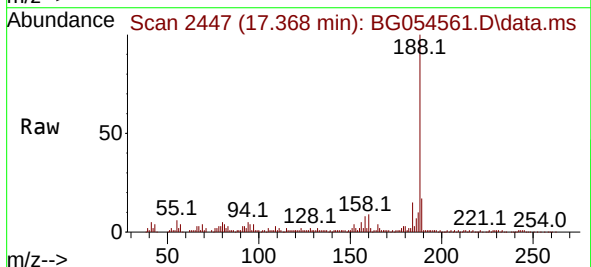
Instrument :
BNA_G
ClientSampleId :
P-5A

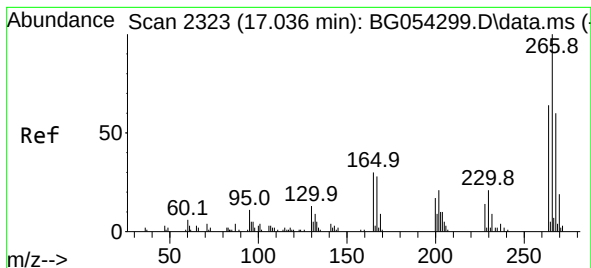
Tgt Ion:166 Resp: 22091
Ion Ratio Lower Upper
166 100
165 151.0 75.0 112.6#
167 17.0 10.8 16.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.368 min Scan# 2447
Delta R.T. 0.007 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

Tgt Ion:188 Resp: 124731
Ion Ratio Lower Upper
188 100
94 4.7 5.4 8.0#
80 5.5 6.8 10.2#





#70

Pentachlorophenol

Concen: 3.842 ng

RT: 16.710 min Scan# 21

Delta R.T. -0.328 min

Lab File: BG054561.D

Acq: 8 Aug 2022 20:26

Instrument :

BNA_G

ClientSampleId :

P-5A

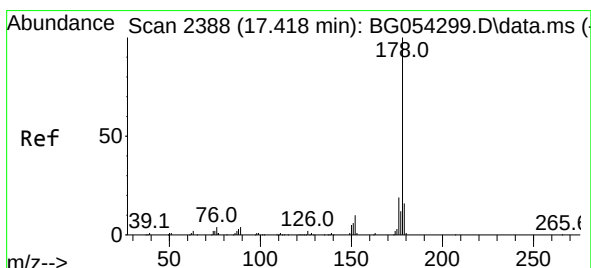
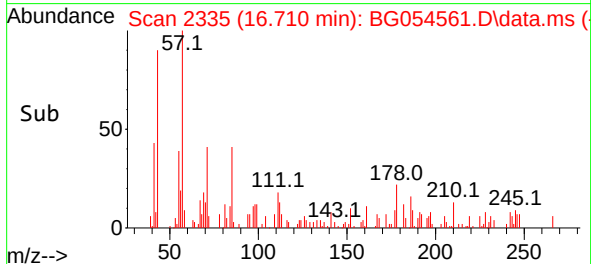
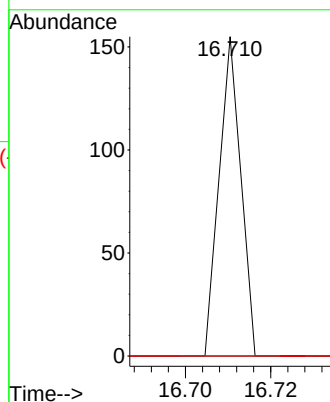
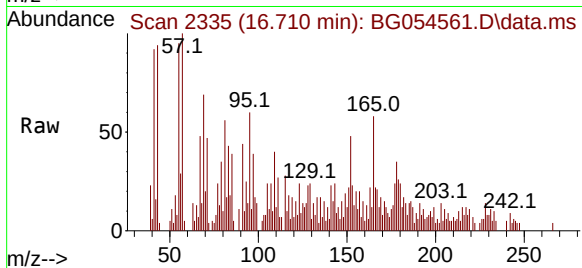
Tgt Ion:266 Resp: 55

Ion Ratio Lower Upper

266 100

268 0.0 56.2 84.2#

264 0.0 53.0 79.4#



#71

Phenanthrene

Concen: 20.809 ng

RT: 17.504 min Scan# 2470

Delta R.T. 0.095 min

Lab File: BG054561.D

Acq: 8 Aug 2022 20:26

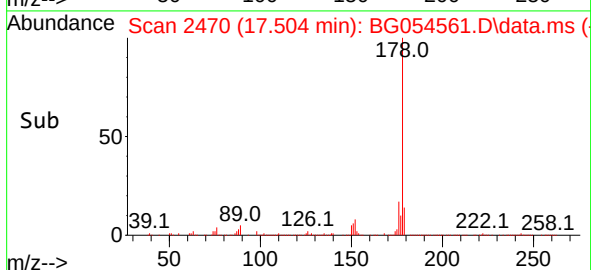
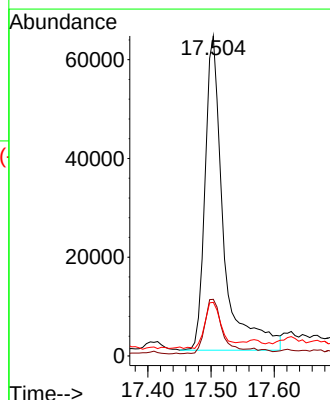
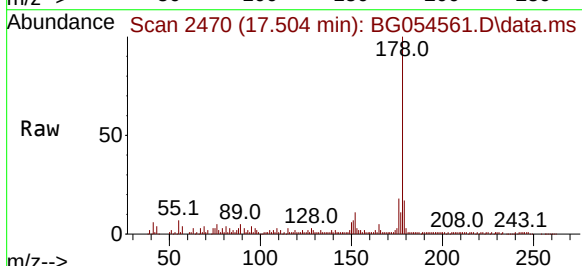
Tgt Ion:178 Resp: 129255

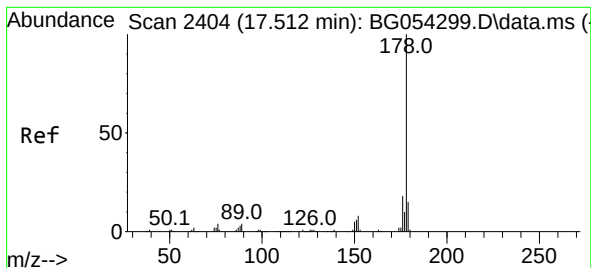
Ion Ratio Lower Upper

178 100

176 17.7 14.1 21.1

179 16.7 12.1 18.1





#72

Anthracene

Concen: 21.205 ng

RT: 17.504 min Scan# 24

Delta R.T. 0.007 min

Lab File: BG054561.D

Acq: 8 Aug 2022 20:26

Instrument :

BNA_G

ClientSampleId :

P-5A

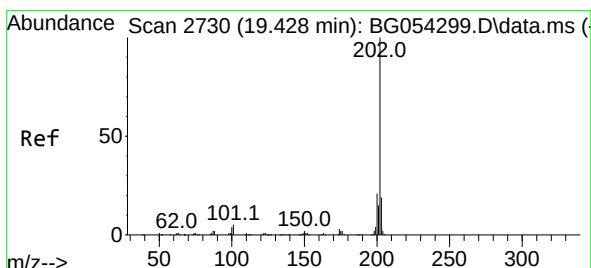
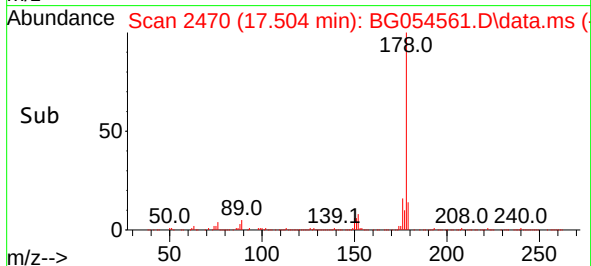
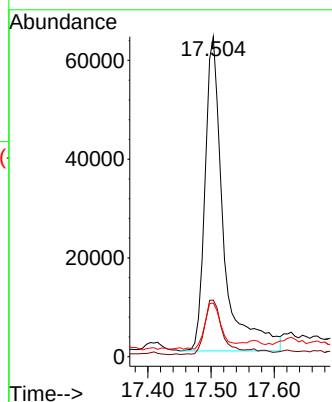
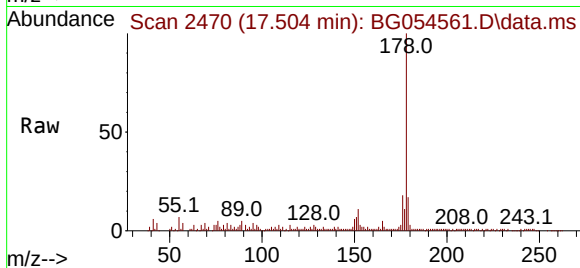
Tgt Ion:178 Resp: 129255

Ion Ratio Lower Upper

178 100

176 17.7 15.2 22.8

179 16.7 13.0 19.4



#75

Fluoranthene

Concen: 11.391 ng

RT: 19.425 min Scan# 2797

Delta R.T. 0.007 min

Lab File: BG054561.D

Acq: 8 Aug 2022 20:26

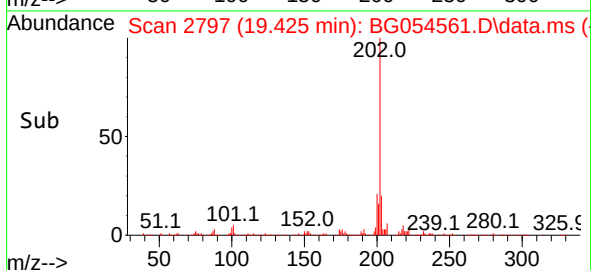
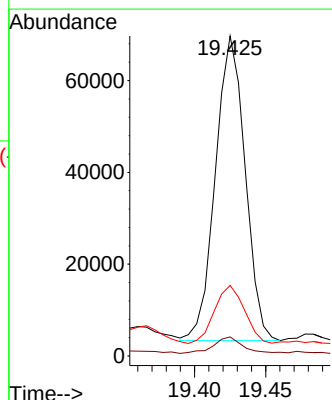
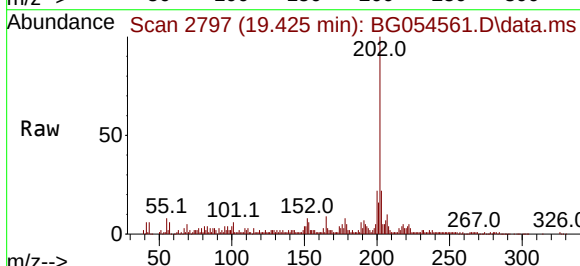
Tgt Ion:202 Resp: 96451

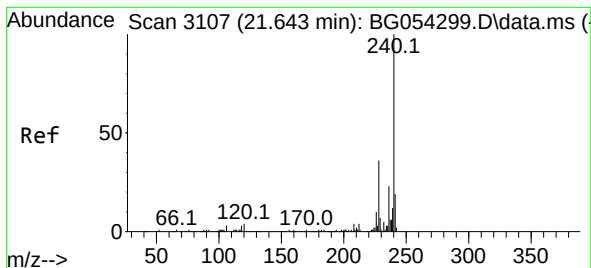
Ion Ratio Lower Upper

202 100

101 5.9 0.0 26.9

203 22.0 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.646 min Scan# 3107

Delta R.T. 0.013 min

Lab File: BG054561.D

Acq: 8 Aug 2022 20:26

Instrument :

BNA_G

ClientSampleId :

P-5A

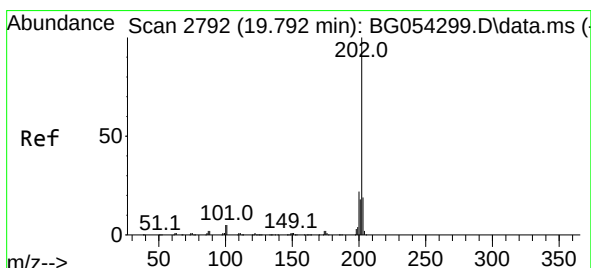
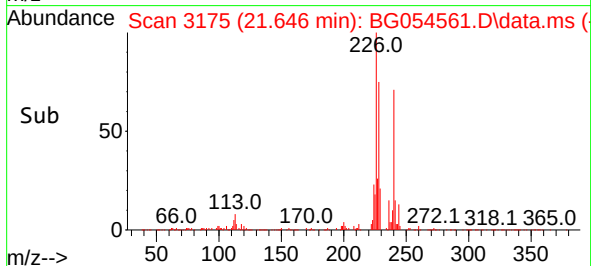
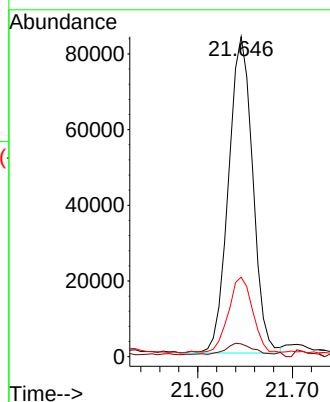
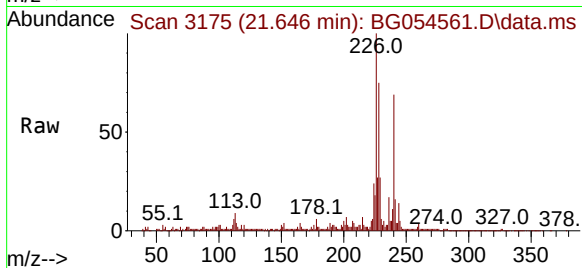
Tgt Ion:240 Resp: 148281

Ion Ratio Lower Upper

240 100

120 4.0 4.6 7.0#

236 24.9 20.2 30.4



#78

Pyrene

Concen: 129.808 ng

RT: 19.795 min Scan# 2860

Delta R.T. 0.013 min

Lab File: BG054561.D

Acq: 8 Aug 2022 20:26

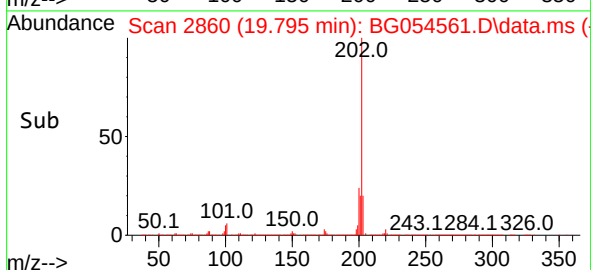
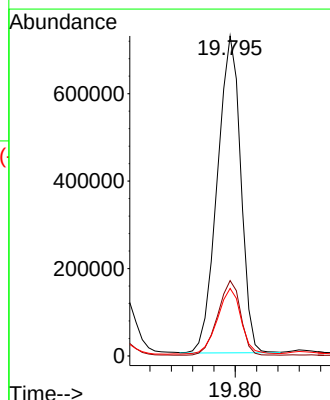
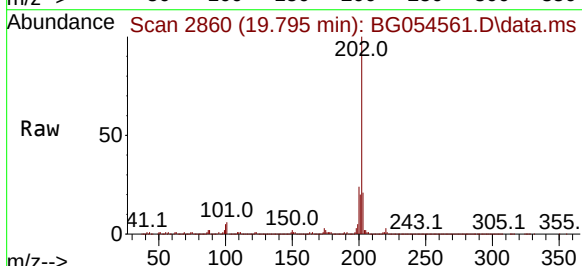
Tgt Ion:202 Resp: 1104439

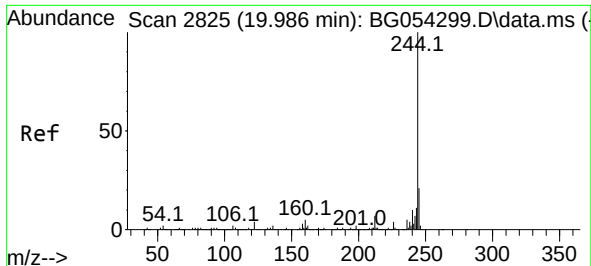
Ion Ratio Lower Upper

202 100

200 23.6 16.6 24.8

203 21.1 14.6 21.8

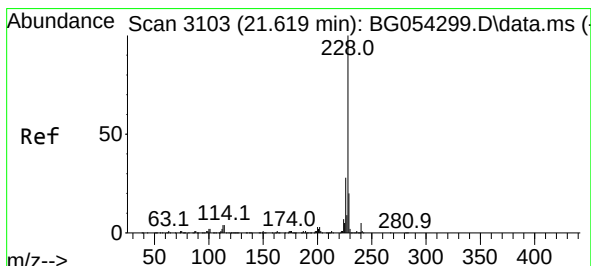
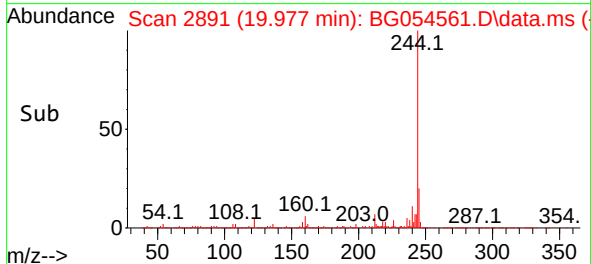
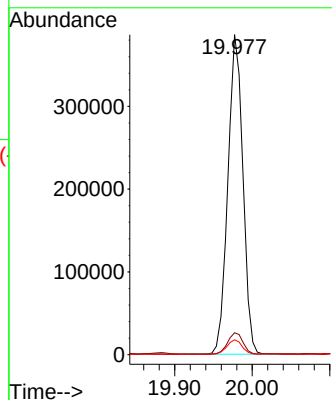
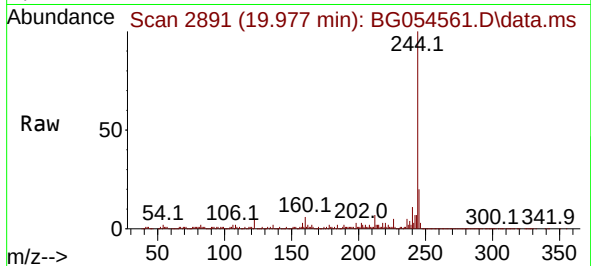




#79
 Terphenyl-d14
 Concen: 69.885 ng
 RT: 19.977 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: BG054561.D
 Acq: 8 Aug 2022 20:26

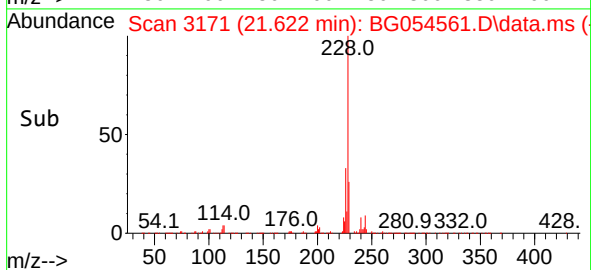
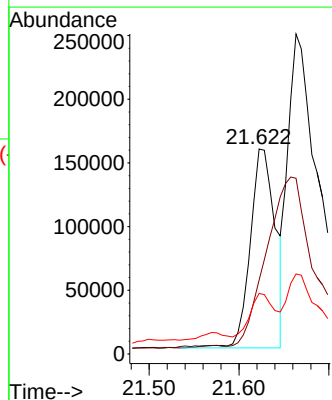
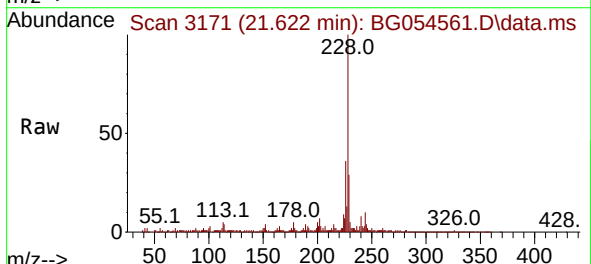
Instrument :
 BNA_G
 ClientSampleId :
 P-5A

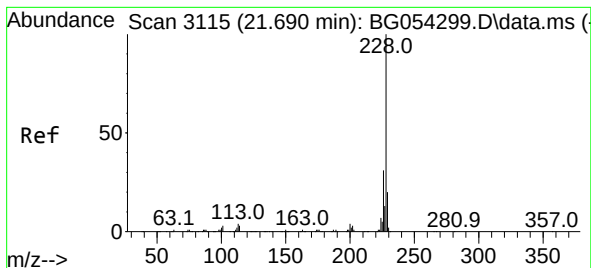
Tgt Ion:244 Resp: 522364
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 4.7 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 32.176 ng
 RT: 21.622 min Scan# 3171
 Delta R.T. 0.007 min
 Lab File: BG054561.D
 Acq: 8 Aug 2022 20:26

Tgt Ion:228 Resp: 302869
 Ion Ratio Lower Upper
 228 100
 226 36.0 21.6 32.4#
 229 29.5 16.2 24.2#





#83

Chrysene

Concen: 63.177 ng

RT: 21.663 min Scan# 3115

Delta R.T. -0.016 min

Lab File: BG054561.D

Acq: 8 Aug 2022 20:26

Instrument :

BNA_G

ClientSampleId :

P-5A

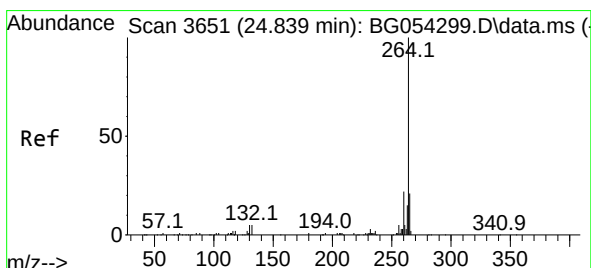
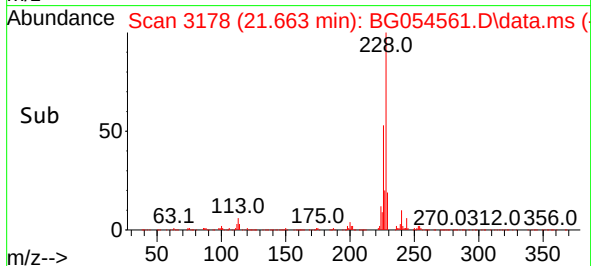
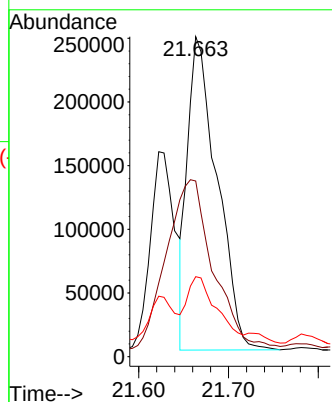
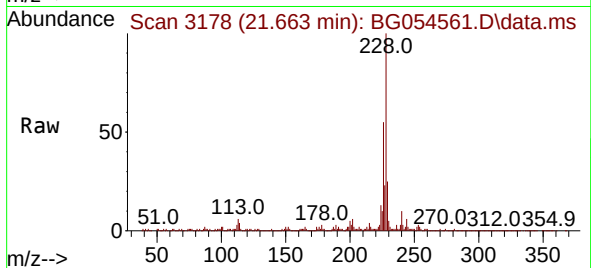
Tgt Ion:228 Resp: 561823

Ion Ratio Lower Upper

228 100

226 54.9 23.4 35.2#

229 25.0 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.871 min Scan# 3724

Delta R.T. 0.037 min

Lab File: BG054561.D

Acq: 8 Aug 2022 20:26

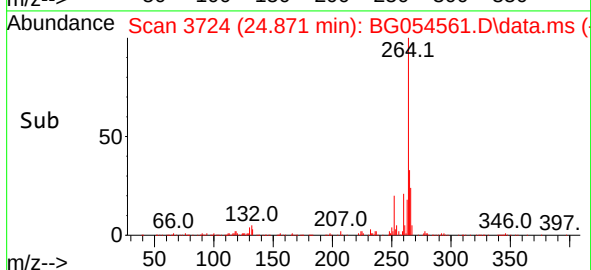
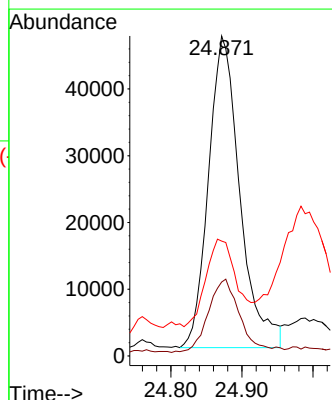
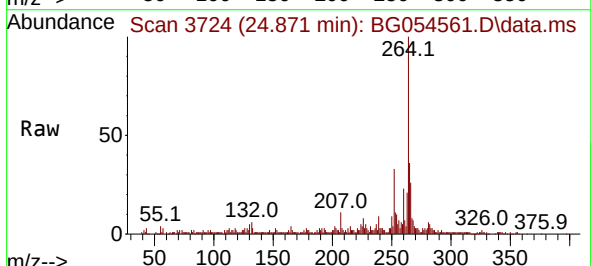
Tgt Ion:264 Resp: 143275

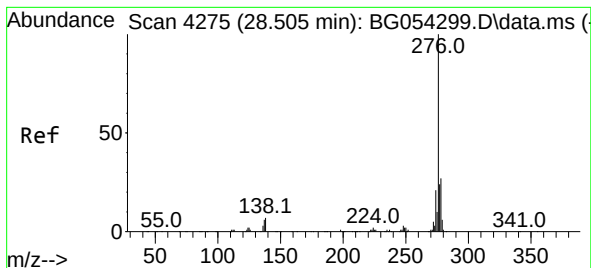
Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

265 35.9 17.4 26.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 57.000 ng

RT: 28.573 min Scan# 41

Delta R.T. 0.042 min

Lab File: BG054561.D

Acq: 8 Aug 2022 20:26

Instrument :

BNA_G

ClientSampleId :

P-5A

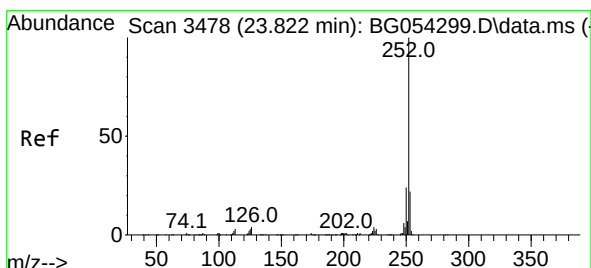
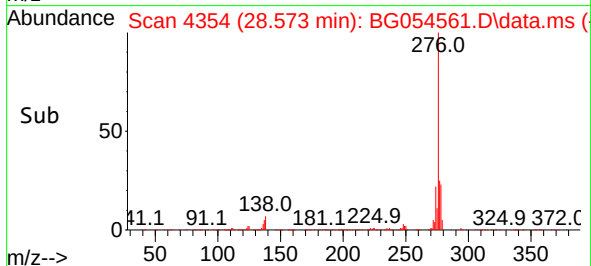
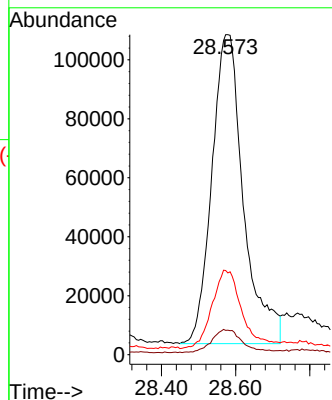
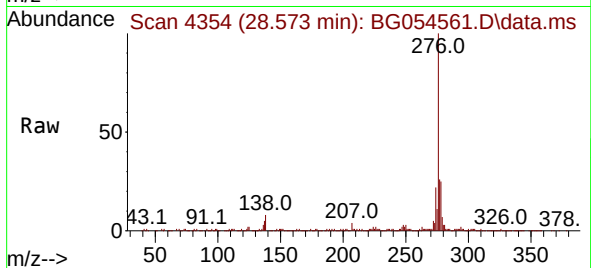
Tgt Ion:276 Resp: 621278

Ion Ratio Lower Upper

276 100

138 7.1 5.0 7.4

277 24.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 199.739 ng

RT: 23.867 min Scan# 3553

Delta R.T. 0.048 min

Lab File: BG054561.D

Acq: 8 Aug 2022 20:26

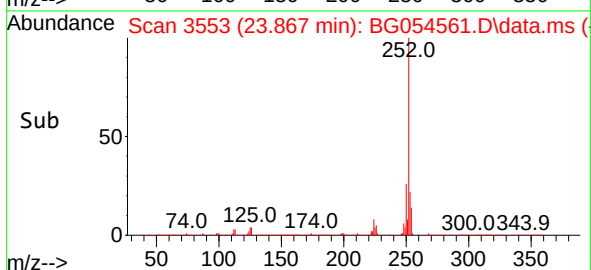
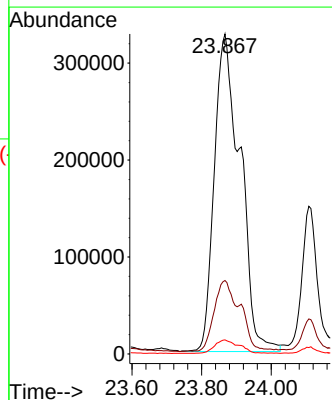
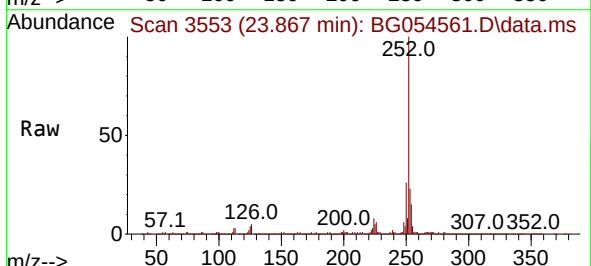
Tgt Ion:252 Resp: 1692413

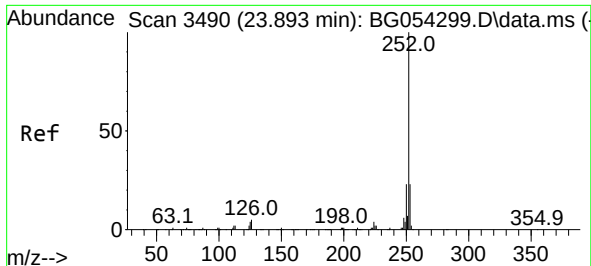
Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

125 4.4 4.6 6.8#

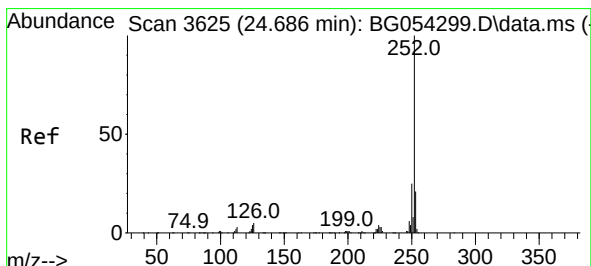
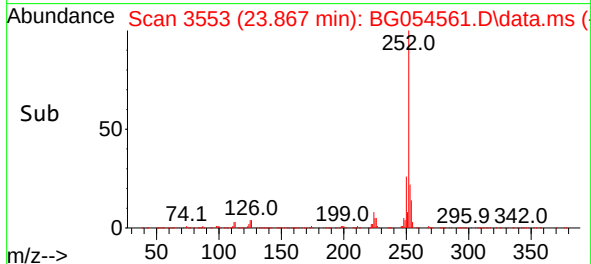
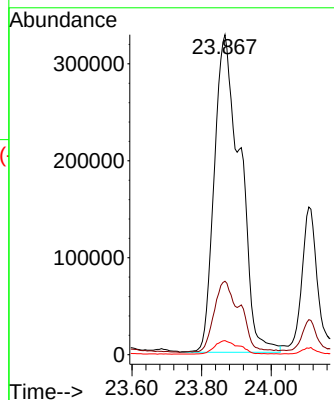
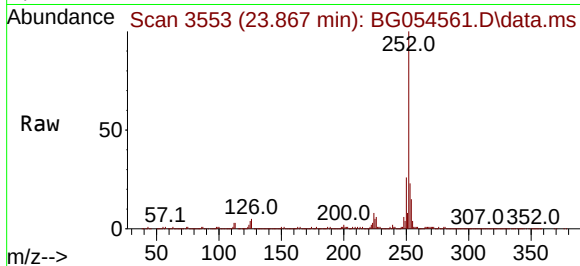




#89
Benzo(k)fluoranthene
Concen: 200.699 ng
RT: 23.867 min Scan# 31
Delta R.T. -0.016 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

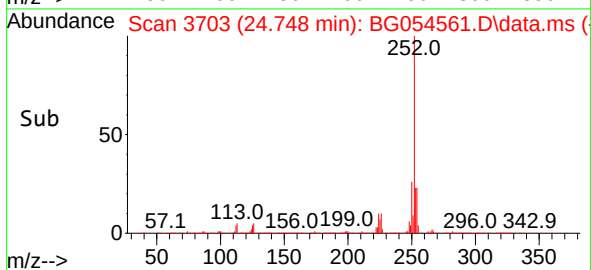
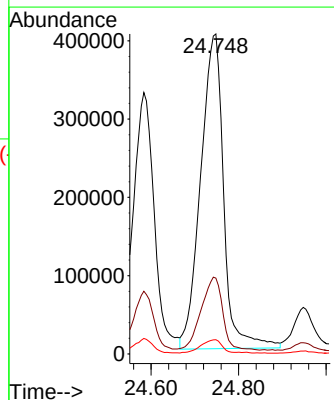
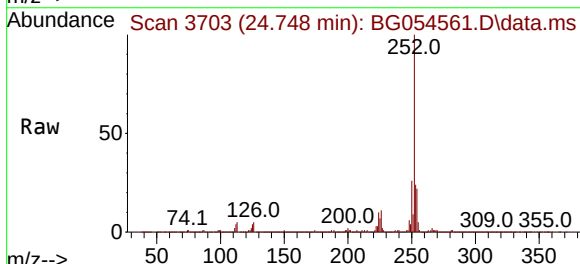
Instrument :
BNA_G
ClientSampleId :
P-5A

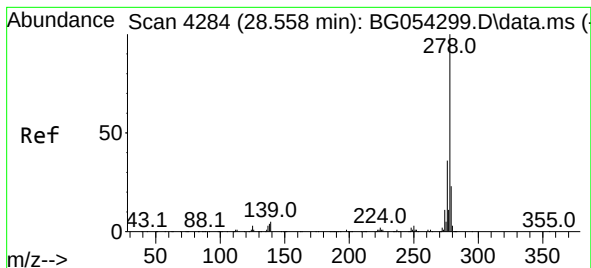
Tgt Ion:252 Resp: 1692413
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 4.4 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 203.853 ng
RT: 24.748 min Scan# 3703
Delta R.T. 0.060 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

Tgt Ion:252 Resp: 1475104
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 4.4 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 17.142 ng

RT: 28.596 min Scan# 41

Delta R.T. 0.025 min

Lab File: BG054561.D

Acq: 8 Aug 2022 20:26

Instrument :

BNA_G

ClientSampleId :

P-5A

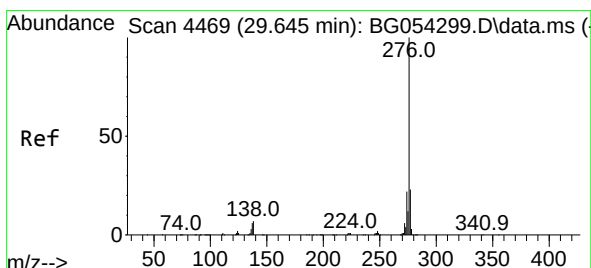
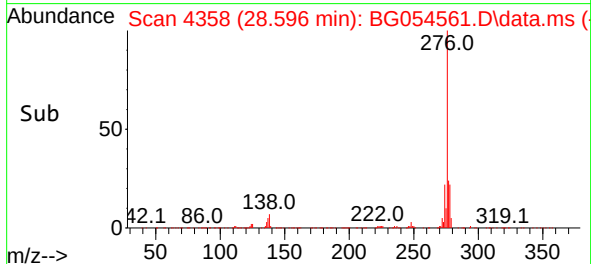
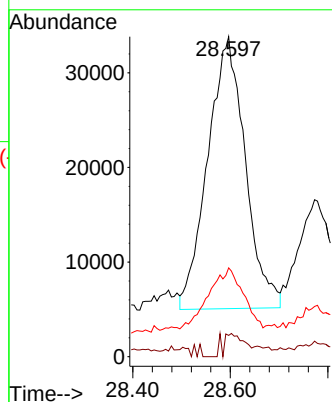
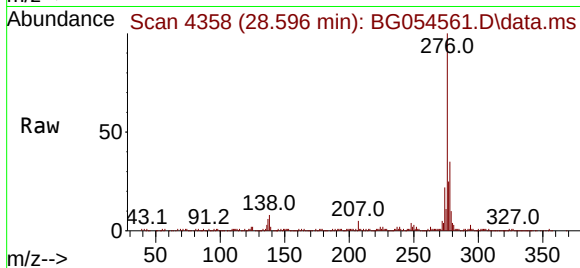
Tgt Ion:278 Resp: 153633

Ion Ratio Lower Upper

278 100

139 6.6 7.2 10.8#

279 27.8 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 68.913 ng

RT: 29.736 min Scan# 4552

Delta R.T. 0.060 min

Lab File: BG054561.D

Acq: 8 Aug 2022 20:26

Tgt Ion:276 Resp: 609590

Ion Ratio Lower Upper

276 100

277 25.6 17.3 25.9

138 7.5 9.6 14.4#

