

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054558.D
 Acq On : 8 Aug 2022 18:17
 Operator : CG/JU
 Sample : N4063-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5F

Quant Time: Aug 09 01:55:52 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)

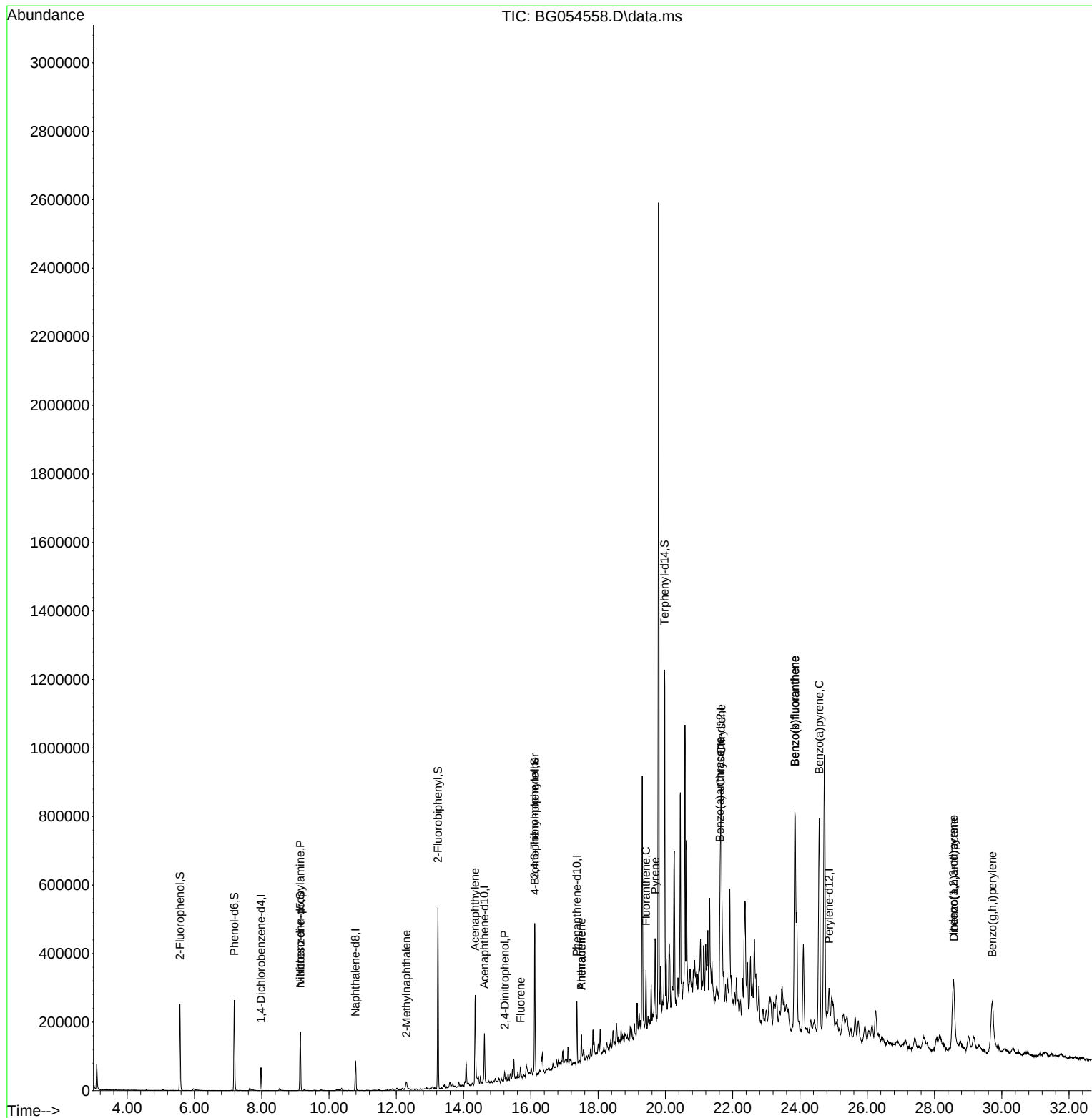
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.977	152	21264	20.000	ng	0.00
21) Naphthalene-d8	10.785	136	79706	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	54987	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	130743	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	153781	20.000	ng	# 0.00
86) Perylene-d12	24.863	264	156510	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	117599	115.469	ng	0.00
7) Phenol-d6	7.184	99	154950	111.034	ng	0.00
23) Nitrobenzene-d5	9.146	82	105410	72.019	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	116633	101.023	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	296328	76.023	ng	0.00
79) Terphenyl-d14	19.974	244	552055	71.216	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.184	77	225	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.146	70	14920	16.010	ng	# 84
37) 2-Methylnaphthalene	12.295	142	21041	6.848	ng	# 83
49) Acenaphthylene	14.346	152	272135	58.174	ng	100
54) 2,4-Dinitrophenol	15.227	184	54	6.689	ng	# 1
58) Fluorene	15.691	166	12992	3.135	ng	# 43
67) 4-Bromophenyl-phenylether	16.120	248	7323	3.988	ng	# 1
71) Phenanthrene	17.501	178	70518	10.831	ng	97
72) Anthracene	17.501	178	70518	11.037	ng	98
75) Fluoranthene	19.422	202	113824	12.825	ng	94
78) Pyrene	19.692	202	157217	17.817	ng	95
81) Benzo(a)anthracene	21.620	228	199363	20.423	ng	# 78
83) Chrysene	21.661	228	414751	44.970	ng	# 69
87) Indeno(1,2,3-cd)pyrene	28.564	276	477722	40.123	ng	# 94
88) Benzo(b)fluoranthene	23.846	252	897089	96.922	ng	# 98
89) Benzo(k)fluoranthene	23.846	252	897089	97.387	ng	# 98
90) Benzo(a)pyrene	24.575	252	829134	104.893	ng	99
91) Dibenzo(a,h)anthracene	28.576	278	123730	12.638	ng	# 87
92) Benzo(g,h,i)perylene	29.716	276	444140	45.963	ng	# 93

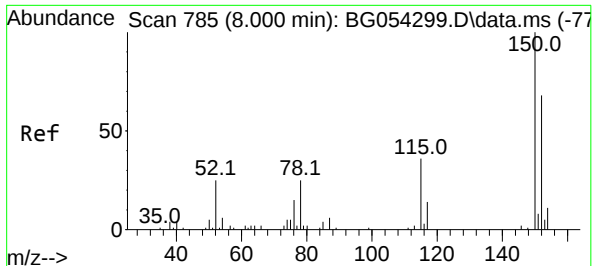
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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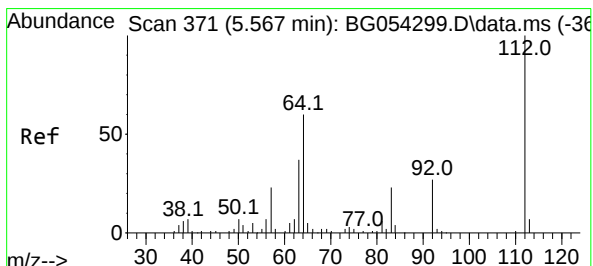
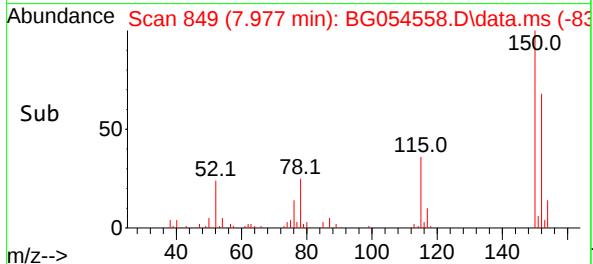
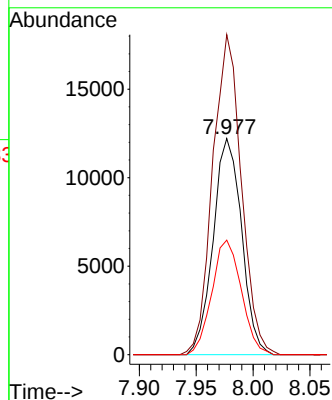
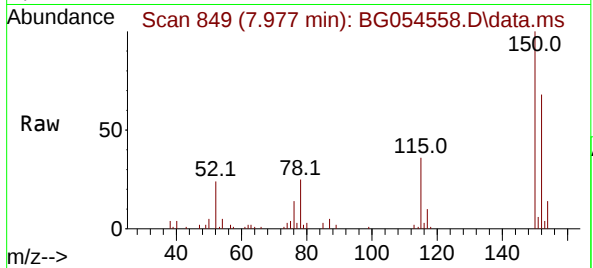




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.977 min Scan# 84
Delta R.T. 0.005 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

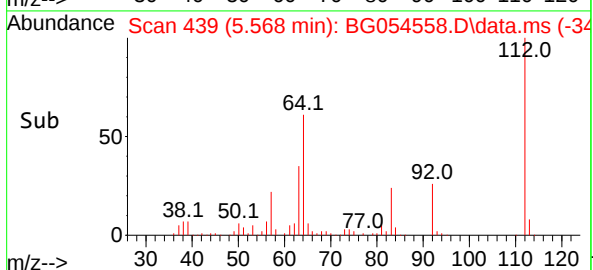
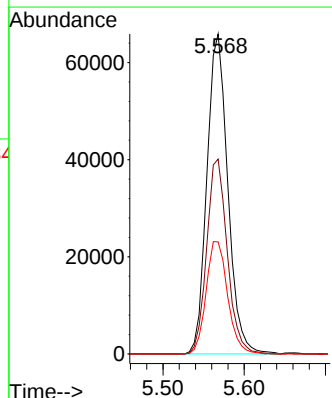
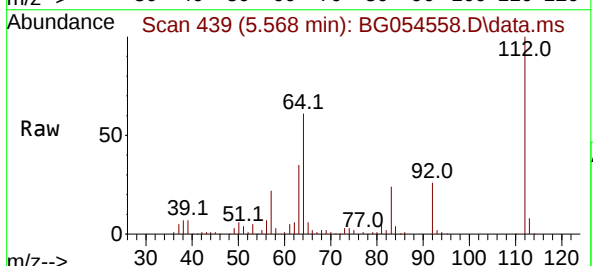
Instrument :
BNA_G
ClientSampleId :
P-5F

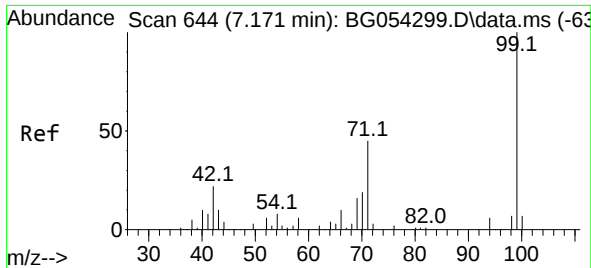
Tgt Ion:152 Resp: 21264
Ion Ratio Lower Upper
152 100
150 148.0 131.6 197.4
115 53.0 50.9 76.3



#5
2-Fluorophenol
Concen: 115.469 ng
RT: 5.568 min Scan# 439
Delta R.T. 0.004 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

Tgt Ion:112 Resp: 117599
Ion Ratio Lower Upper
112 100
64 60.9 55.1 82.7
63 35.1 30.4 45.6

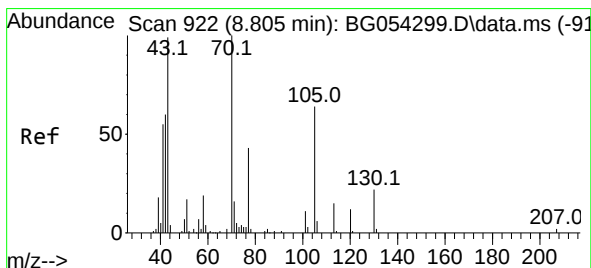
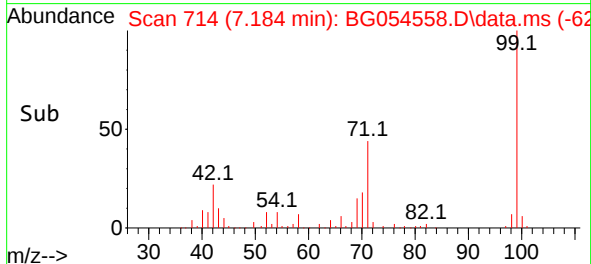
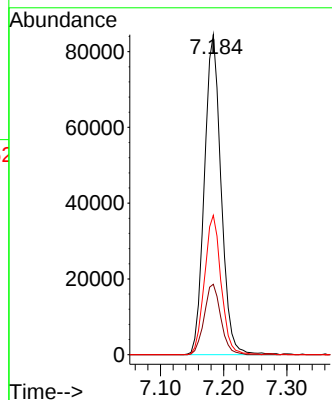
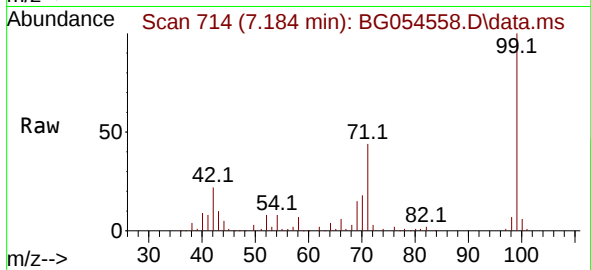




#7
Phenol-d6
Concen: 111.034 ng
RT: 7.184 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

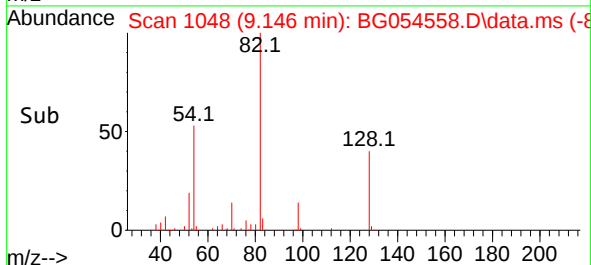
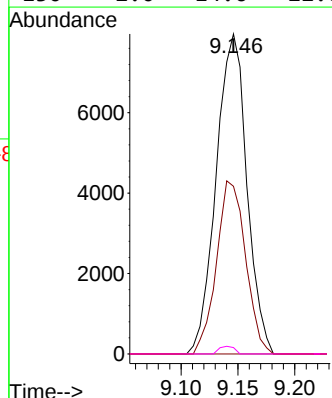
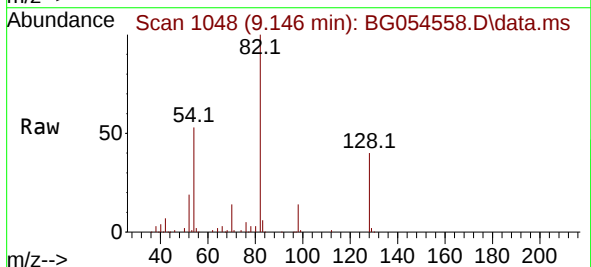
Instrument :
BNA_G
ClientSampleId :
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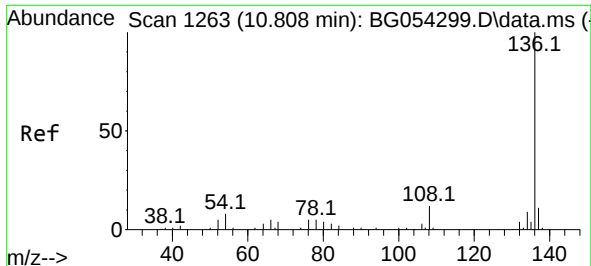
Tgt Ion: 99 Resp: 154950
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 43.5 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.010 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.363 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

Tgt Ion: 70 Resp: 14920
Ion Ratio Lower Upper
70 100
42 52.4 47.3 70.9
101 0.0 7.0 10.4#
130 2.0 14.6 22.0#

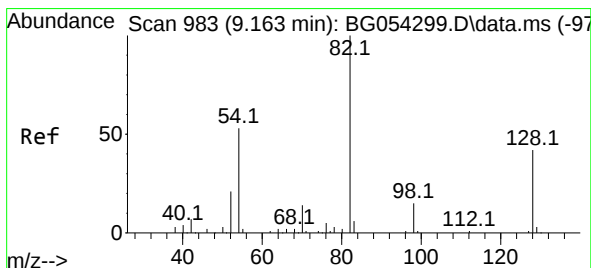
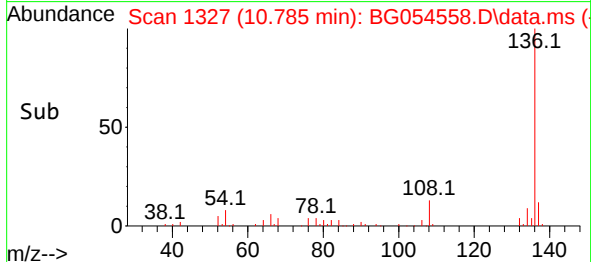
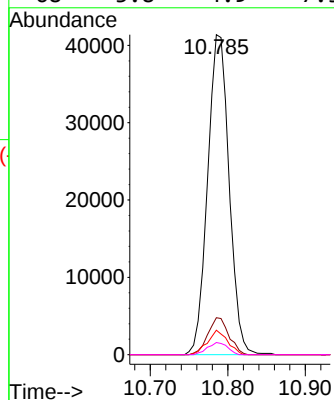
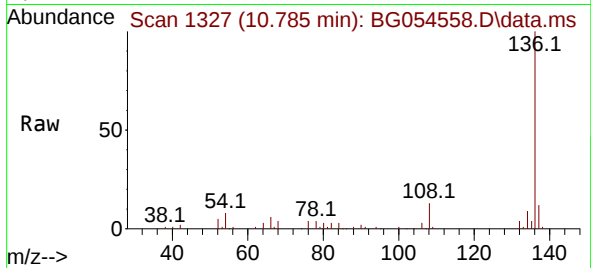




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

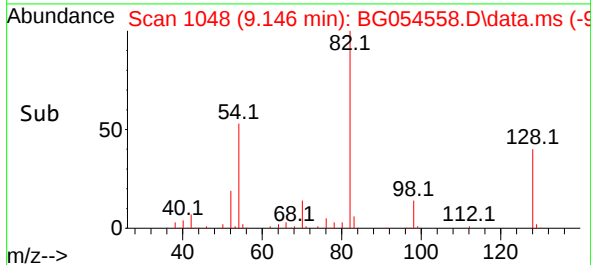
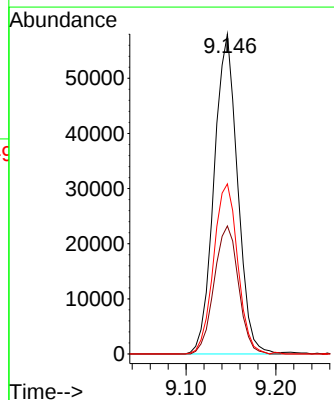
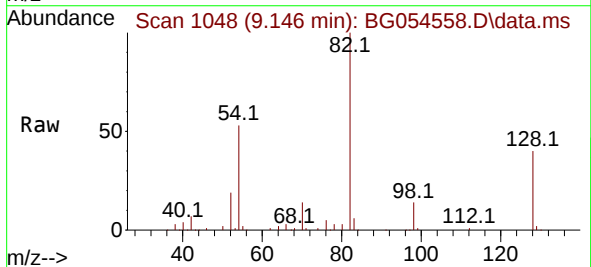
Instrument :
BNA_G
ClientSampleId :
P-5F

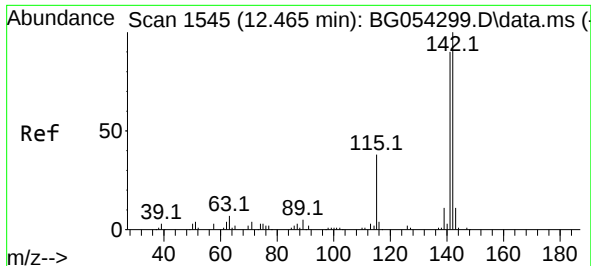
Tgt Ion:	136	Resp:	79706
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.5	12.7
54	7.7	7.4	11.2
68	3.8	4.9	7.3



#23
Nitrobenzene-d5
Concen: 72.019 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.004 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

Tgt Ion:	82	Resp:	105410
Ion Ratio	Lower	Upper	
82	100		
128	40.0	27.9	41.9
54	53.1	41.2	61.8

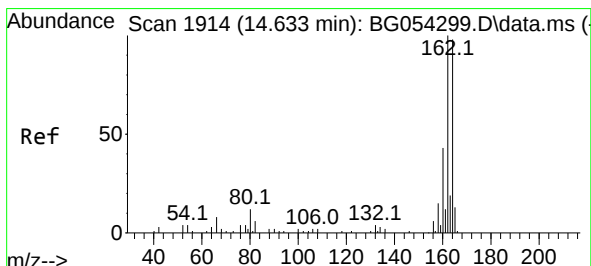
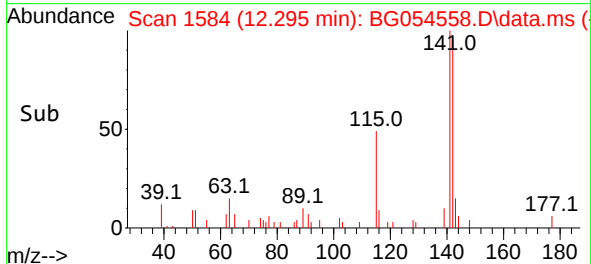
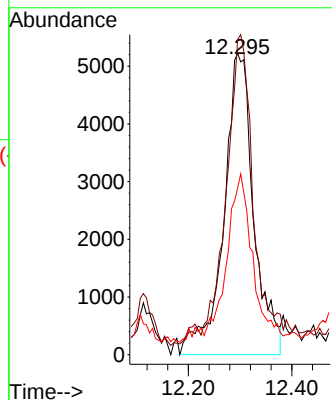
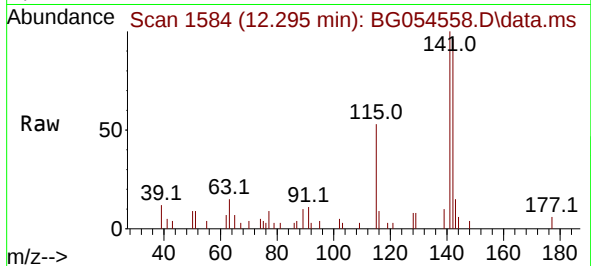




#37
2-Methylnaphthalene
Concen: 6.848 ng
RT: 12.295 min Scan# 11
Delta R.T. -0.148 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

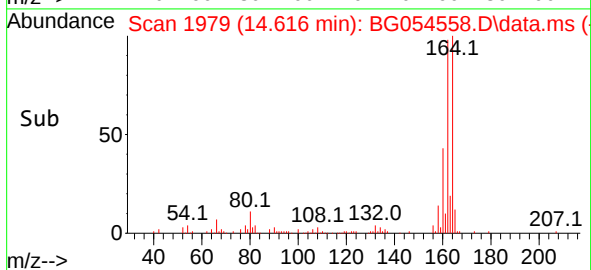
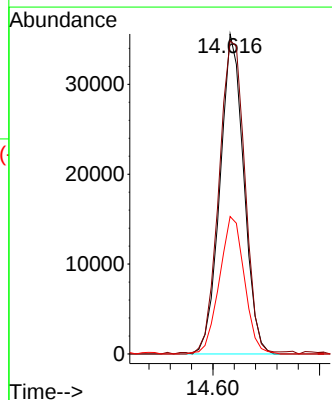
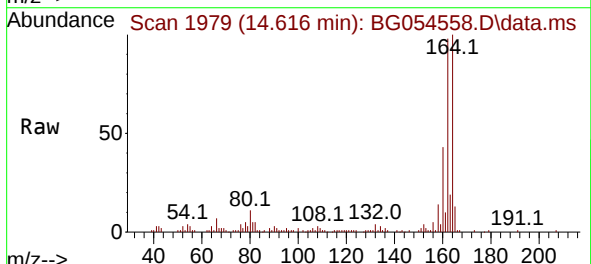
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P-5F

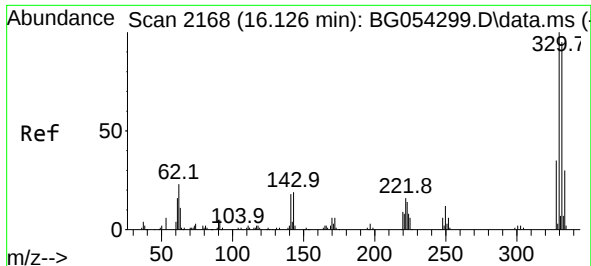
Tgt Ion:142 Resp: 21041
Ion Ratio Lower Upper
142 100
141 104.7 72.3 108.5
115 55.3 33.7 50.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.001 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

Tgt Ion:164 Resp: 54987
Ion Ratio Lower Upper
164 100
162 97.8 82.3 123.5
160 43.0 34.2 51.2

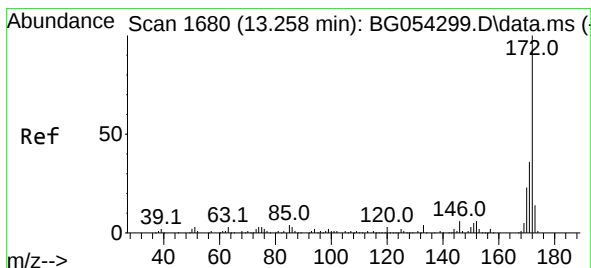
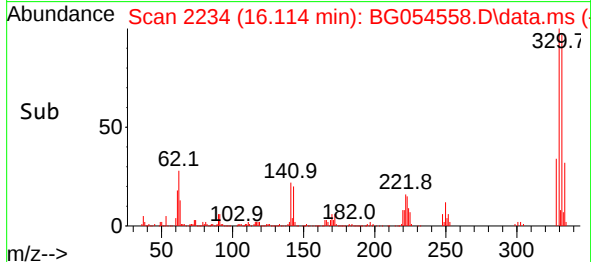
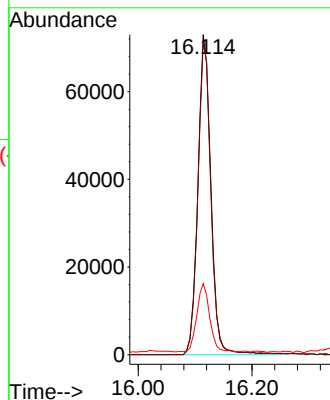
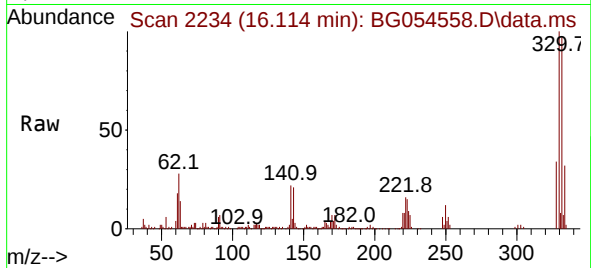




#42
2,4,6-Tribromophenol
Concen: 101.023 ng
RT: 16.114 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

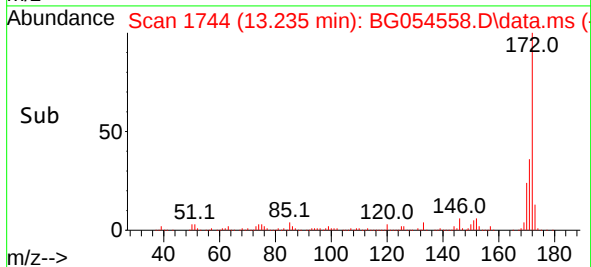
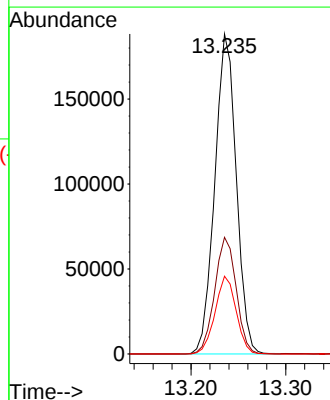
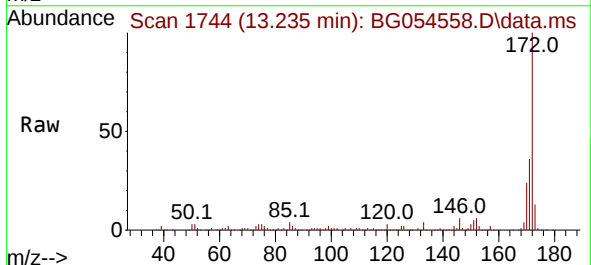
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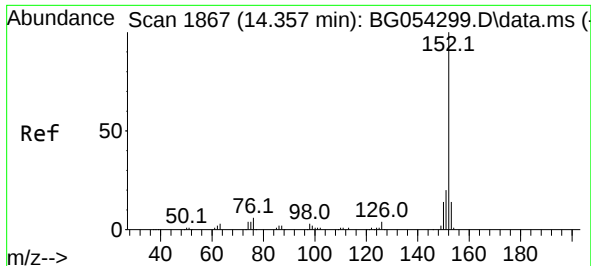
Tgt Ion:330 Resp: 116633
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 21.4 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 76.023 ng
RT: 13.235 min Scan# 1744
Delta R.T. -0.001 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

Tgt Ion:172 Resp: 296328
Ion Ratio Lower Upper
172 100
171 36.4 28.5 42.7
170 24.3 18.9 28.3

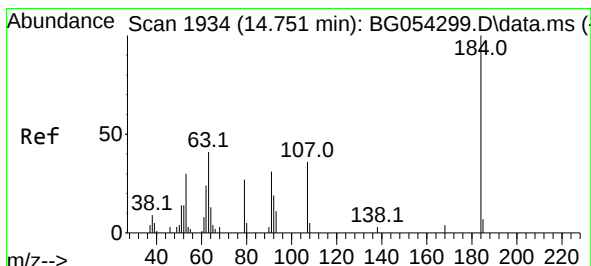
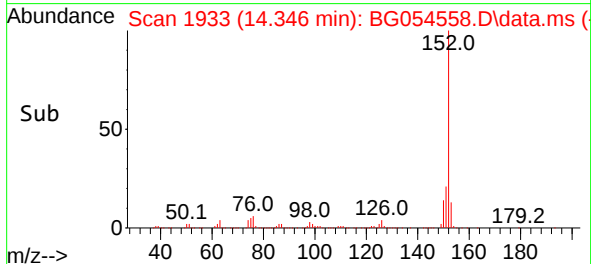
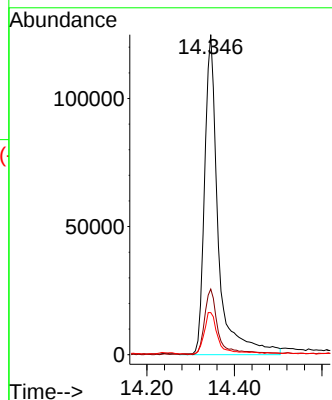
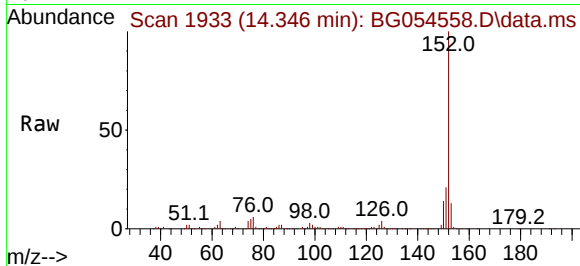




#49
Acenaphthylene
Concen: 58.174 ng
RT: 14.346 min Scan# 1933
Delta R.T. 0.004 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

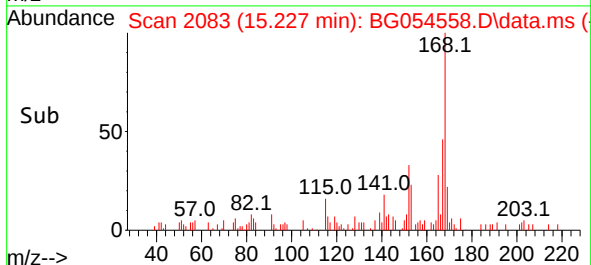
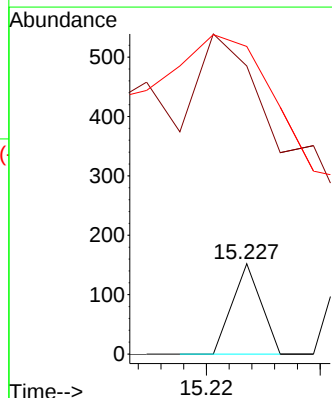
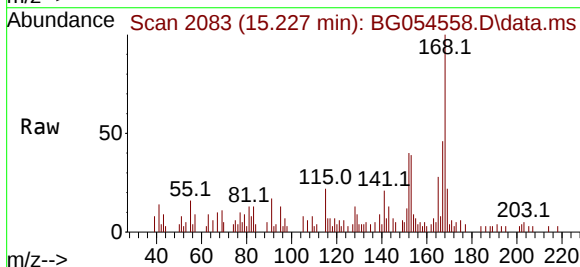
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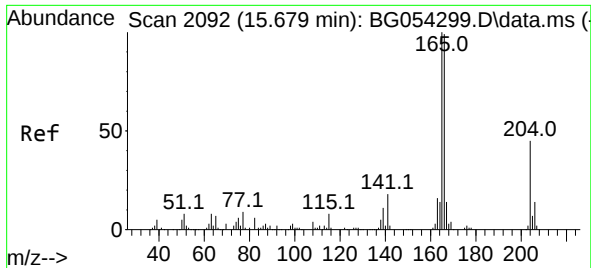
Tgt Ion:152 Resp: 272135
Ion Ratio Lower Upper
152 100
151 20.5 16.4 24.6
153 13.2 10.8 16.2



#54
2,4-Dinitrophenol
Concen: 6.689 ng
RT: 15.227 min Scan# 2083
Delta R.T. 0.463 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 319.1 61.1 91.7#
154 340.8 60.6 91.0#

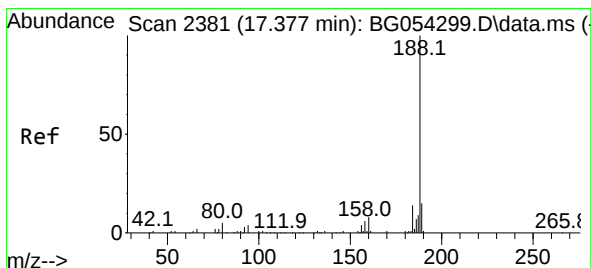
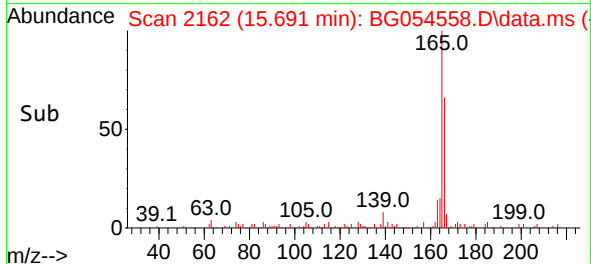
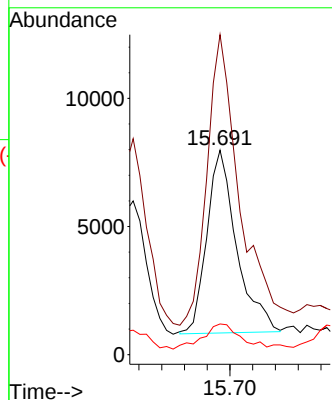
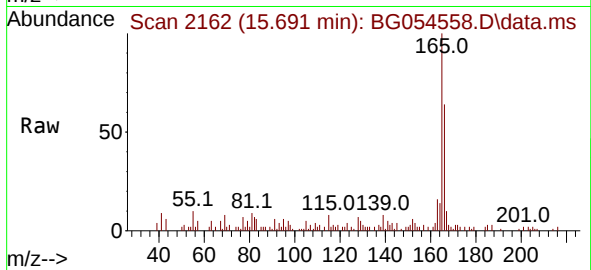




#58
 Fluorene
 Concen: 3.135 ng
 RT: 15.691 min Scan# 2162
 Delta R.T. 0.028 min
 Lab File: BG054558.D
 Acq: 8 Aug 2022 18:17

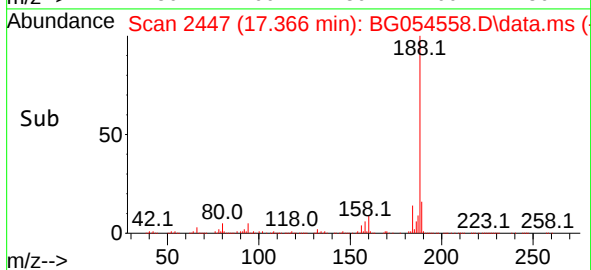
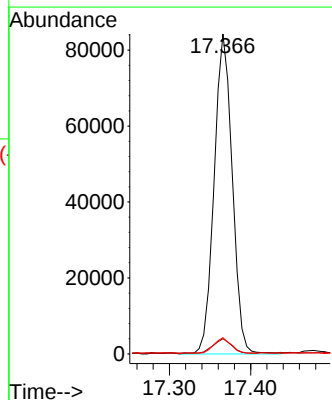
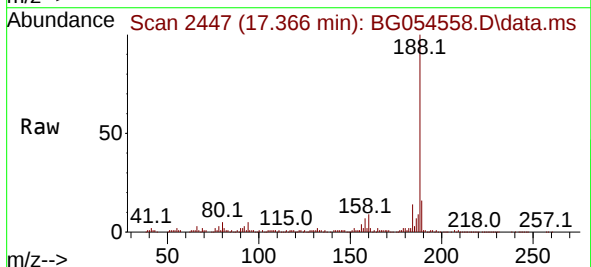
Instrument :
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 P-5F

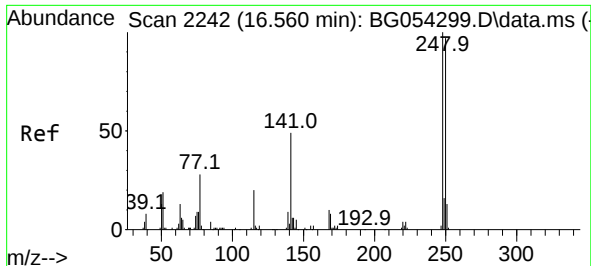
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 Ion Ratio Lower Upper
 166 100
 165 156.4 75.0 112.6#
 167 15.0 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.366 min Scan# 2447
 Delta R.T. 0.004 min
 Lab File: BG054558.D
 Acq: 8 Aug 2022 18:17

Tgt Ion:188 Resp: 130743
 Ion Ratio Lower Upper
 188 100
 94 4.8 5.4 8.0#
 80 5.1 6.8 10.2#

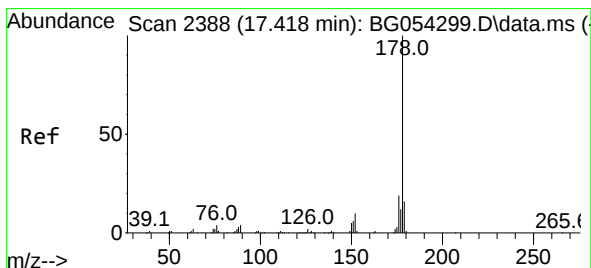
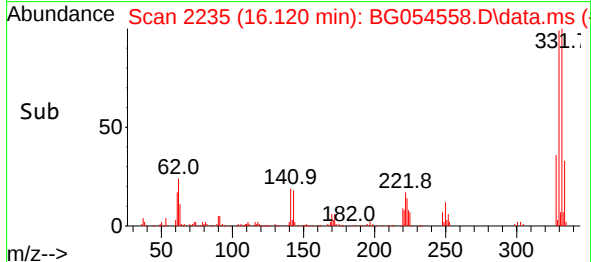
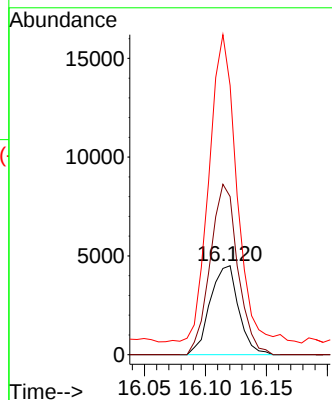
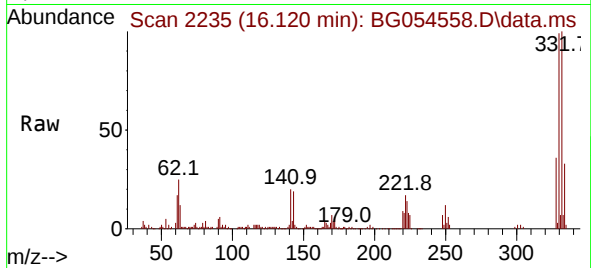




#67
4-Bromophenyl-phenylether
Concen: 3.988 ng
RT: 16.120 min Scan# 21
Delta R.T. -0.424 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

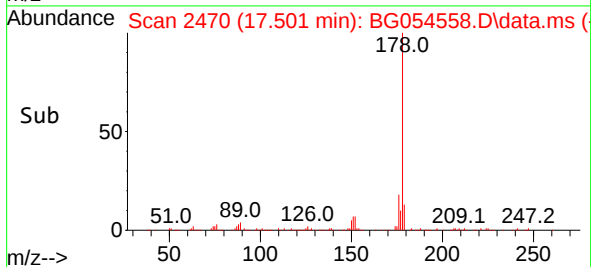
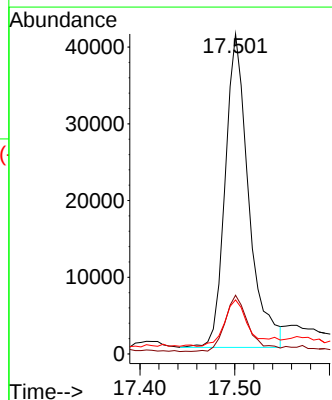
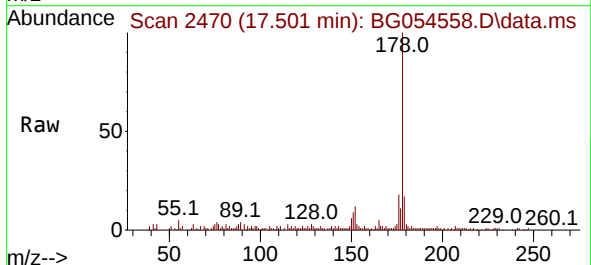
Instrument :
BNA_G
ClientSampleId :
P-5F

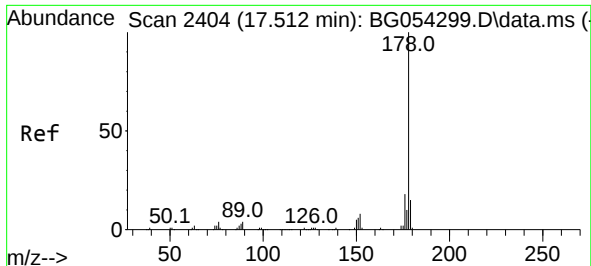
Tgt Ion:248 Resp: 7323
Ion Ratio Lower Upper
248 100
250 177.6 75.2 112.8#
141 302.4 50.0 75.0#



#71
Phenanthrene
Concen: 10.831 ng
RT: 17.501 min Scan# 2470
Delta R.T. 0.093 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

Tgt Ion:178 Resp: 70518
Ion Ratio Lower Upper
178 100
176 18.4 14.1 21.1
179 16.9 12.1 18.1

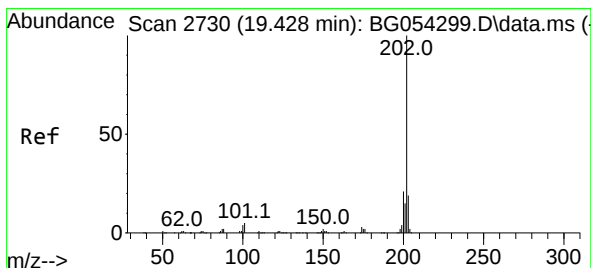
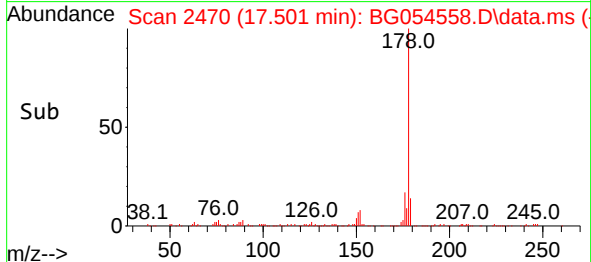
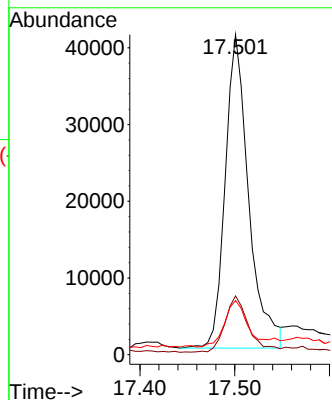
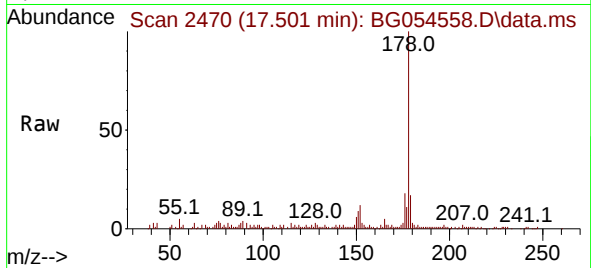




#72
 Anthracene
 Concen: 11.037 ng
 RT: 17.501 min Scan# 2404
 Delta R.T. 0.004 min
 Lab File: BG054558.D
 Acq: 8 Aug 2022 18:17

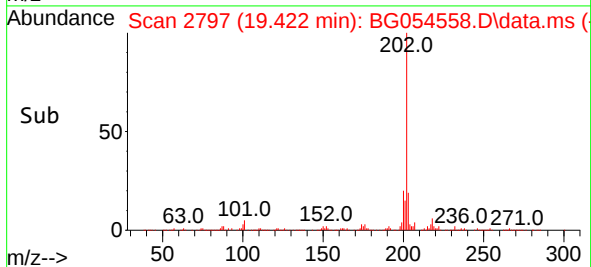
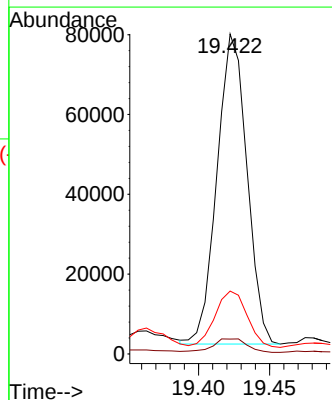
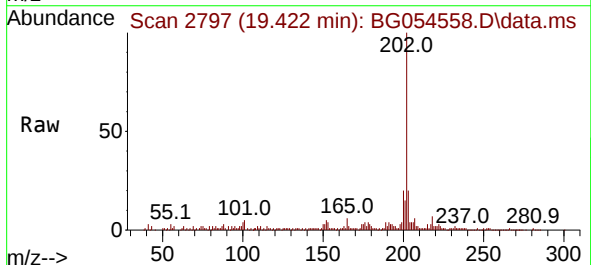
Instrument :
 BNA_G
 ClientSampleId :
 P-5F

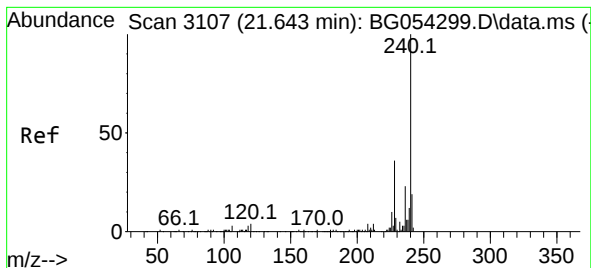
Tgt Ion:178 Resp: 70518
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.2 22.8
 179 16.9 13.0 19.4



#75
 Fluoranthene
 Concen: 12.825 ng
 RT: 19.422 min Scan# 2797
 Delta R.T. 0.004 min
 Lab File: BG054558.D
 Acq: 8 Aug 2022 18:17

Tgt Ion:202 Resp: 113824
 Ion Ratio Lower Upper
 202 100
 101 4.7 0.0 26.9
 203 19.7 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.637 min Scan# 31

Delta R.T. 0.004 min

Lab File: BG054558.D

Acq: 8 Aug 2022 18:17

Instrument :

BNA_G

ClientSampleId :

P-5F

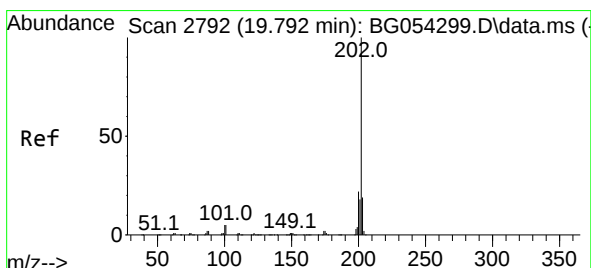
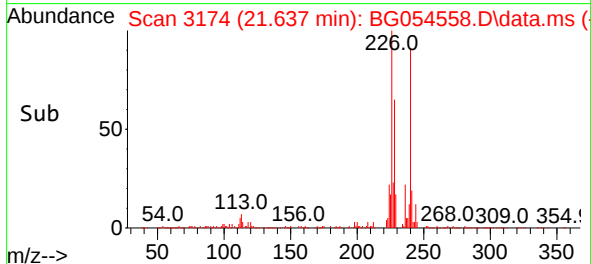
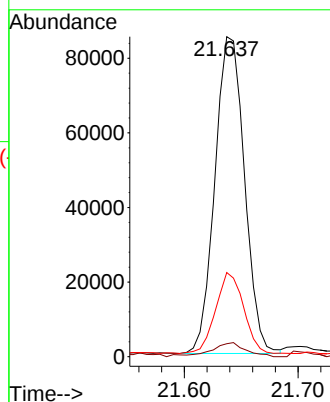
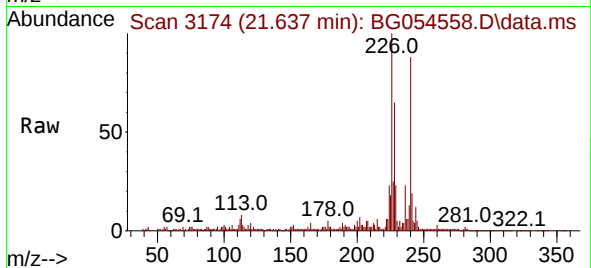
Tgt Ion:240 Resp: 153781

Ion Ratio Lower Upper

240 100

120 4.1 4.6 7.0#

236 26.3 20.2 30.4



#78

Pyrene

Concen: 17.817 ng

RT: 19.692 min Scan# 2843

Delta R.T. -0.090 min

Lab File: BG054558.D

Acq: 8 Aug 2022 18:17

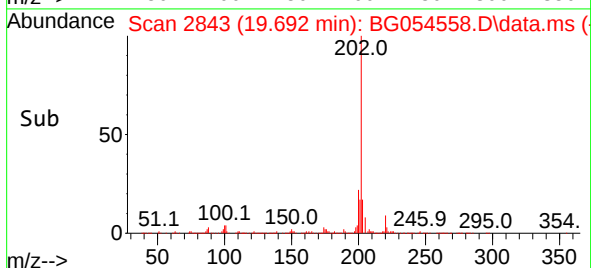
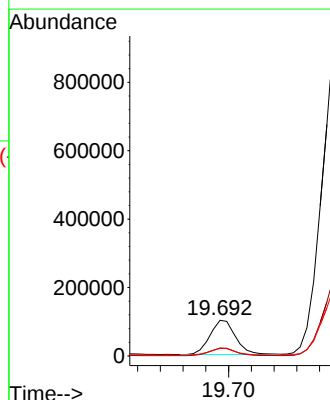
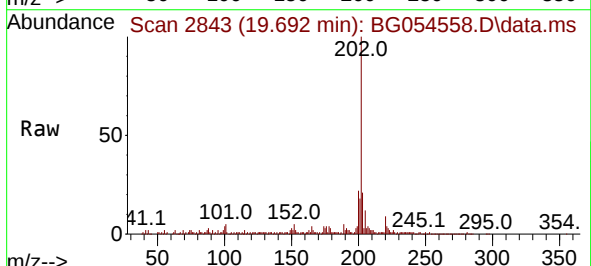
Tgt Ion:202 Resp: 157217

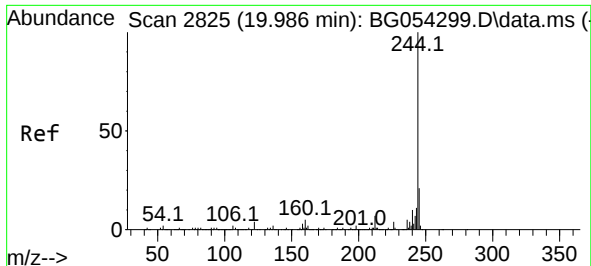
Ion Ratio Lower Upper

202 100

200 22.5 16.6 24.8

203 21.0 14.6 21.8

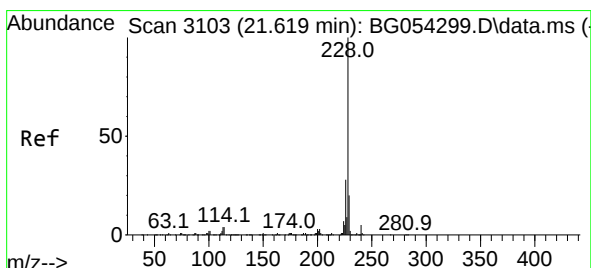
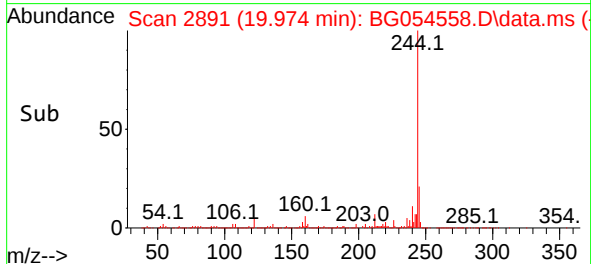
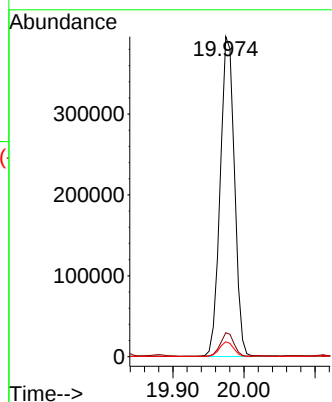
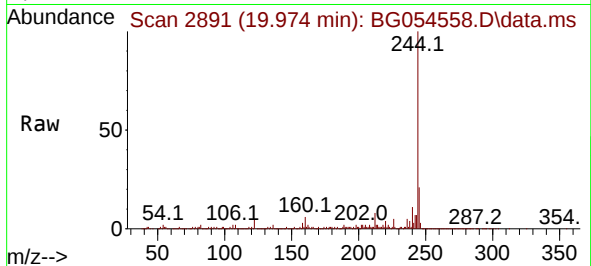




#79
 Terphenyl-d14
 Concen: 71.216 ng
 RT: 19.974 min Scan# 2891
 Delta R.T. 0.004 min
 Lab File: BG054558.D
 Acq: 8 Aug 2022 18:17

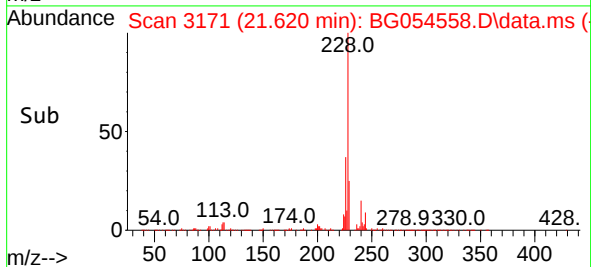
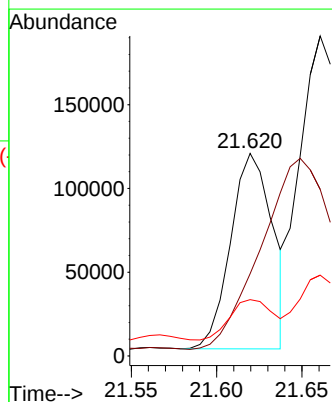
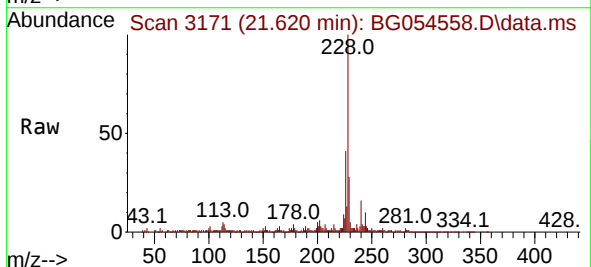
Instrument :
 BNA_G
 ClientSampleId :
 P-5F

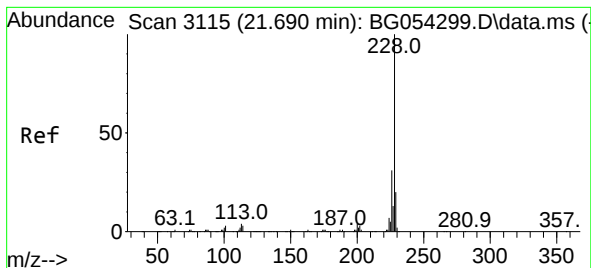
Tgt Ion:244 Resp: 552055
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 4.7 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 20.423 ng
 RT: 21.620 min Scan# 3171
 Delta R.T. 0.004 min
 Lab File: BG054558.D
 Acq: 8 Aug 2022 18:17

Tgt Ion:228 Resp: 199363
 Ion Ratio Lower Upper
 228 100
 226 40.6 21.6 32.4#
 229 27.8 16.2 24.2#





#83

Chrysene

Concen: 44.970 ng

RT: 21.661 min Scan# 3115

Delta R.T. -0.019 min

Lab File: BG054558.D

Acq: 8 Aug 2022 18:17

Instrument :

BNA_G

ClientSampleId :

P-5F

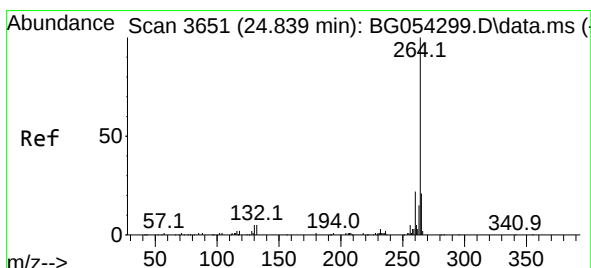
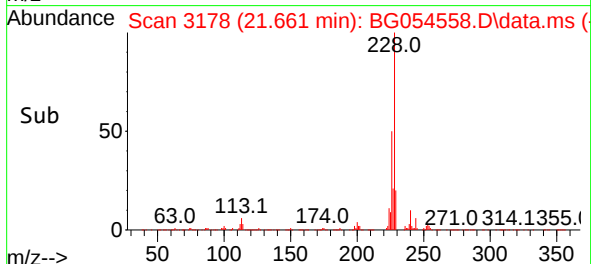
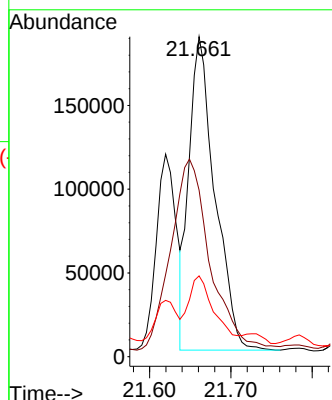
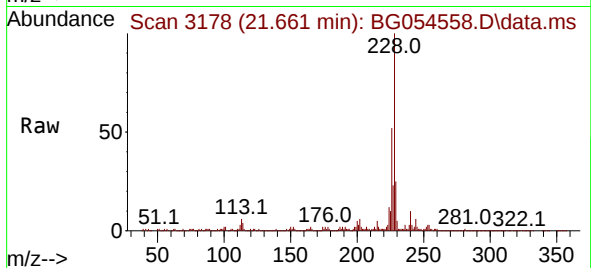
Tgt Ion:228 Resp: 414751

Ion Ratio Lower Upper

228 100

226 52.0 23.4 35.2#

229 25.2 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.863 min Scan# 3723

Delta R.T. 0.028 min

Lab File: BG054558.D

Acq: 8 Aug 2022 18:17

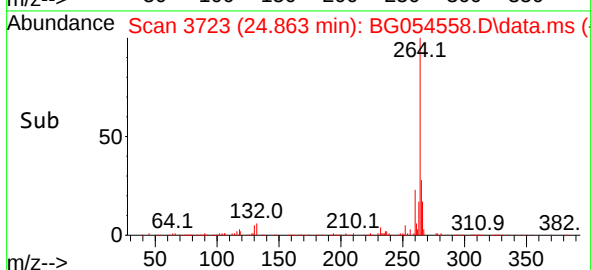
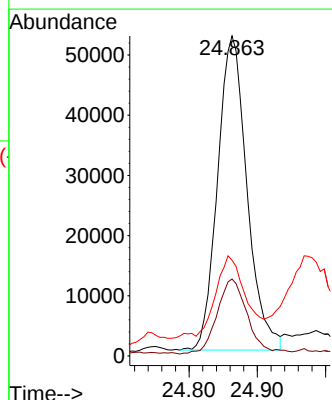
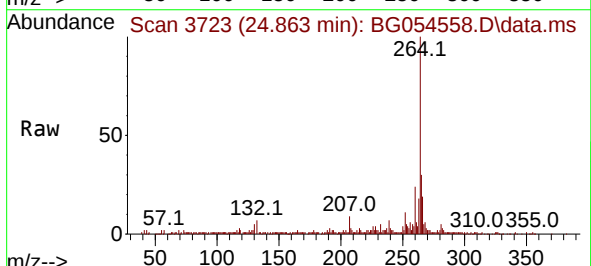
Tgt Ion:264 Resp: 156510

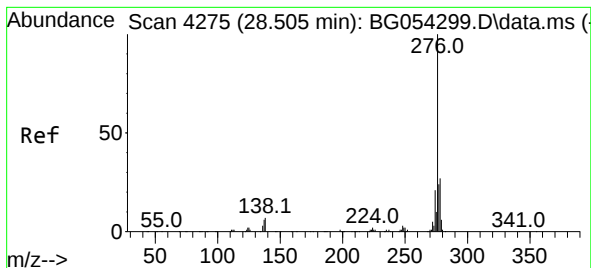
Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 29.9 17.4 26.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.123 ng

RT: 28.564 min Scan# 41

Delta R.T. 0.034 min

Lab File: BG054558.D

Acq: 8 Aug 2022 18:17

Instrument :

BNA_G

ClientSampleId :

P-5F

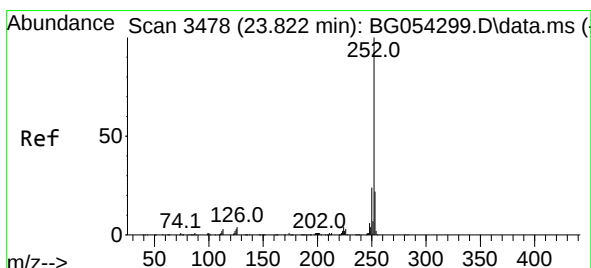
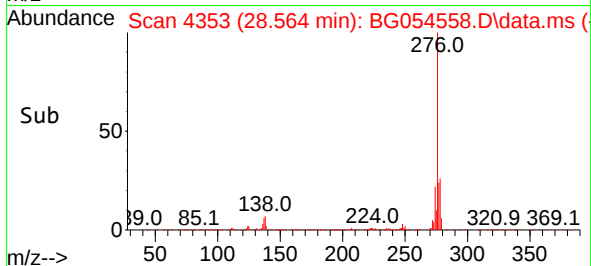
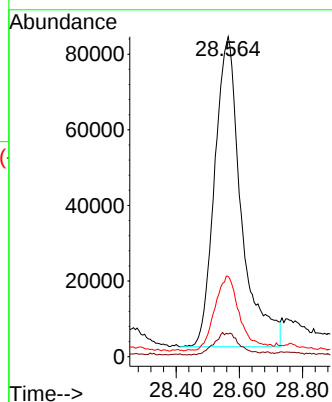
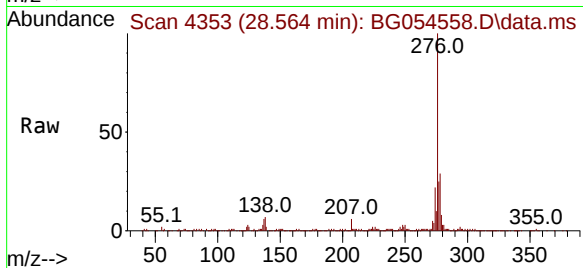
Tgt Ion:276 Resp: 477722

Ion Ratio Lower Upper

276 100

138 3.0 5.0 7.4#

277 22.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 96.922 ng

RT: 23.846 min Scan# 3550

Delta R.T. 0.028 min

Lab File: BG054558.D

Acq: 8 Aug 2022 18:17

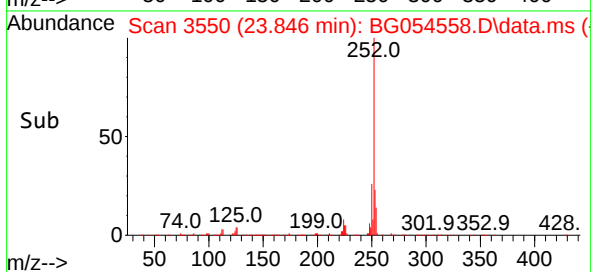
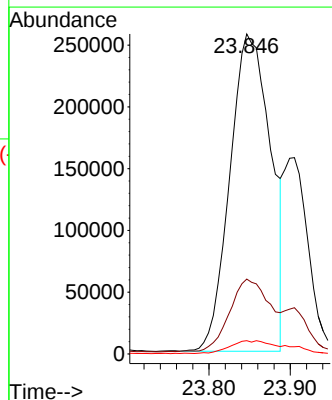
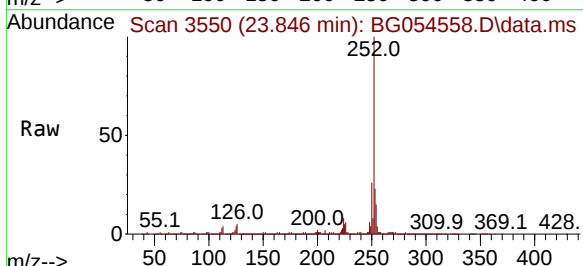
Tgt Ion:252 Resp: 897089

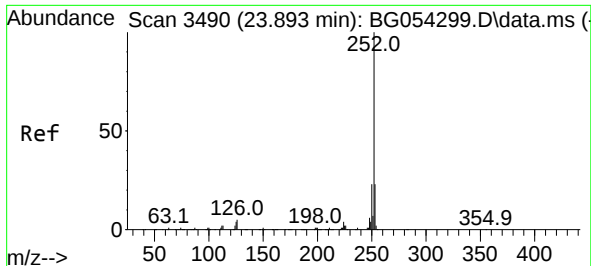
Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

125 4.1 4.6 6.8#

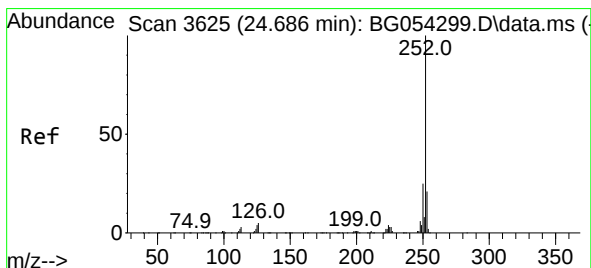
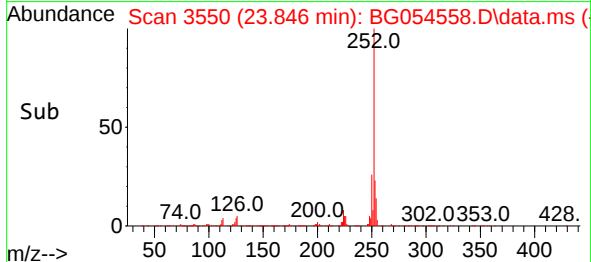
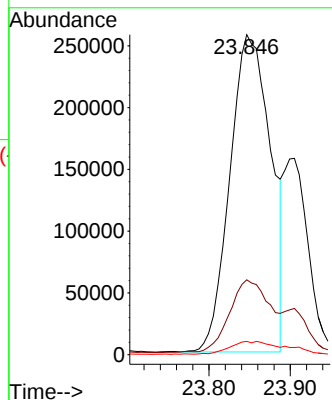
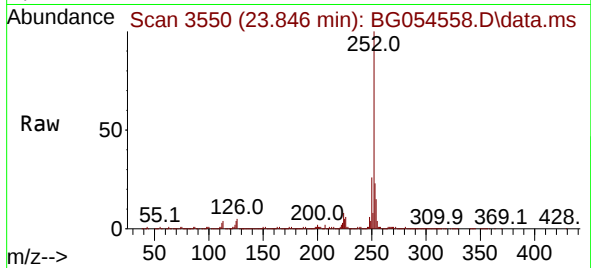




#89
Benzo(k)fluoranthene
Concen: 97.387 ng
RT: 23.846 min Scan# 31
Delta R.T. -0.037 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

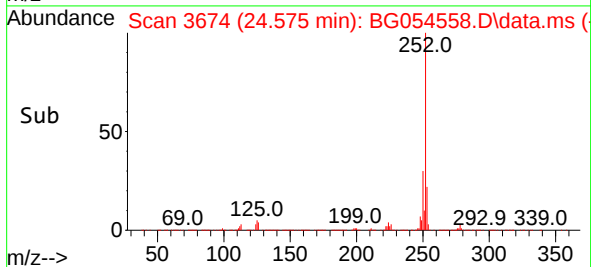
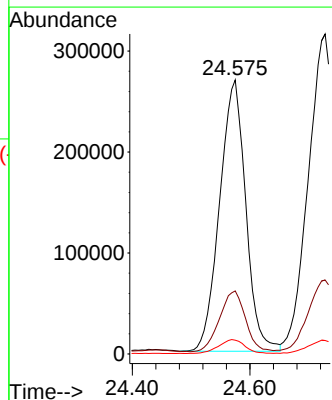
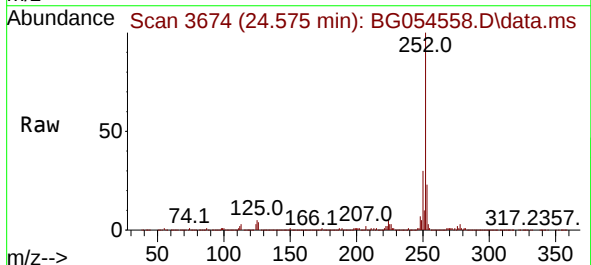
Instrument :
BNA_G
ClientSampleId :
P-5F

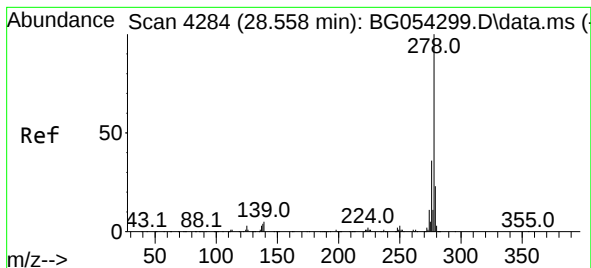
Tgt Ion:252 Resp: 897089
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 4.1 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 104.893 ng
RT: 24.575 min Scan# 3674
Delta R.T. -0.113 min
Lab File: BG054558.D
Acq: 8 Aug 2022 18:17

Tgt Ion:252 Resp: 829134
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 5.0 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 12.638 ng

RT: 28.576 min Scan# 41

Delta R.T. 0.004 min

Lab File: BG054558.D

Acq: 8 Aug 2022 18:17

Instrument :

BNA_G

ClientSampleId :

P-5F

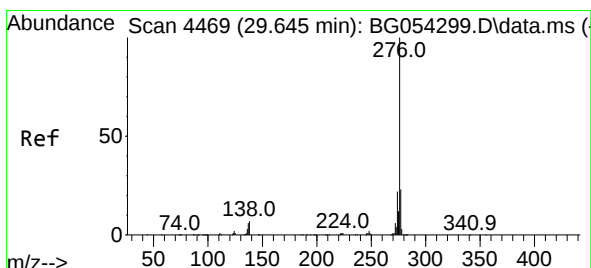
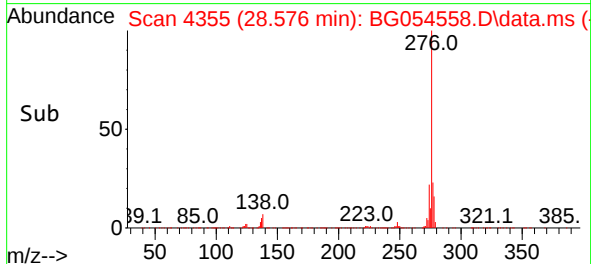
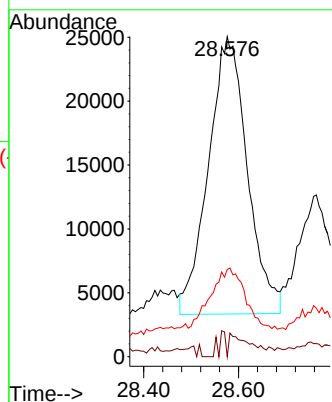
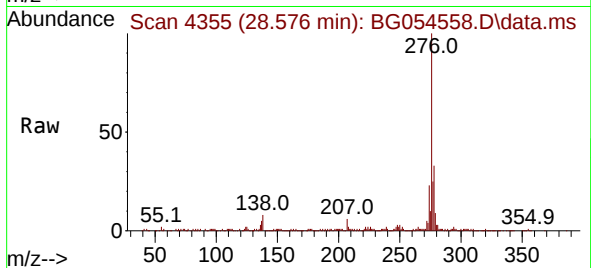
Tgt Ion:278 Resp: 123730

Ion Ratio Lower Upper

278 100

139 0.0 7.2 10.8#

279 27.3 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 45.963 ng

RT: 29.716 min Scan# 4549

Delta R.T. 0.040 min

Lab File: BG054558.D

Acq: 8 Aug 2022 18:17

Tgt Ion:276 Resp: 444140

Ion Ratio Lower Upper

276 100

277 24.0 17.3 25.9

138 7.8 9.6 14.4#

