

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081122\
 Data File : BG054611.D
 Acq On : 11 Aug 2022 19:18
 Operator : CG/JU
 Sample : N4017-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB03

Quant Time: Aug 12 06:06:07 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)

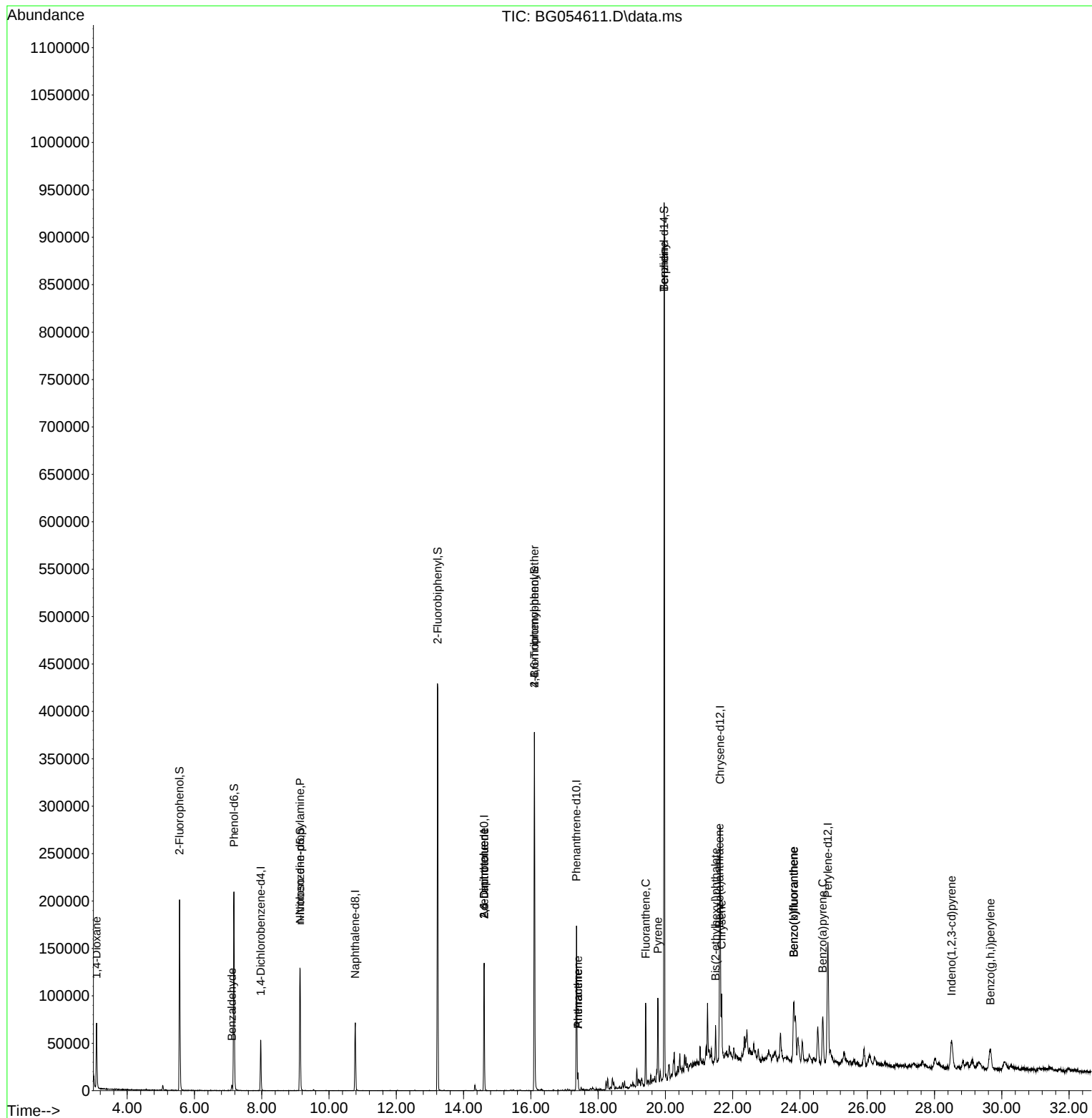
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.965	152	16766	20.000	ng	0.00
21) Naphthalene-d8	10.779	136	67323	20.000	ng	# 0.00
39) Acenaphthene-d10	14.610	164	53082	20.000	ng	0.00
64) Phenanthrene-d10	17.354	188	132286	20.000	ng	# 0.00
76) Chrysene-d12	21.626	240	150759	20.000	ng	# 0.00
86) Perylene-d12	24.828	264	157563	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.556	112	91350	113.759	ng	0.00
7) Phenol-d6	7.172	99	122744	111.552	ng	0.00
23) Nitrobenzene-d5	9.134	82	83766	67.758	ng	0.00
42) 2,4,6-Tribromophenol	16.103	330	104499	93.761	ng	-0.01
45) 2-Fluorobiphenyl	13.230	172	252615	67.134	ng	0.00
79) Terphenyl-d14	19.963	244	538411	70.848	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.088	88	656	2.053	ng	# 1
9) Benzaldehyde	7.113	77	2351	2.052	ng	# 74
19) n-Nitroso-di-n-propyla...	9.140	70	12082	16.443	ng	# 79
51) 2,6-Dinitrotoluene	14.610	165	7098	7.805	ng	# 16
57) 2,4-Dinitrotoluene	14.610	165	7098	5.444	ng	# 21
67) 4-Bromophenyl-phenylether	16.103	248	6246	3.362	ng	# 1
71) Phenanthrene	17.401	178	14038	2.131	ng	98
72) Anthracene	17.401	178	14038	2.171	ng	99
75) Fluoranthene	19.411	202	60881	6.779	ng	95
77) Benzidine	19.963	184	6637	2.431	ng	# 86
78) Pyrene	19.775	202	62159	7.186	ng	98
81) Benzo(a)anthracene	21.602	228	47573	4.971	ng	95
83) Chrysene	21.667	228	55755	6.167	ng	96
84) Bis(2-ethylhexyl)phtha...	21.490	149	15696	4.115	ng	# 97
87) Indeno(1,2,3-cd)pyrene	28.506	276	53047	4.426	ng	# 78
88) Benzo(b)fluoranthene	23.817	252	86729	9.308	ng	# 96
89) Benzo(k)fluoranthene	23.817	252	86729	9.352	ng	# 96
90) Benzo(a)pyrene	24.675	252	55123	6.927	ng	97
92) Benzo(g,h,i)perylene	29.663	276	52371	5.384	ng	# 97

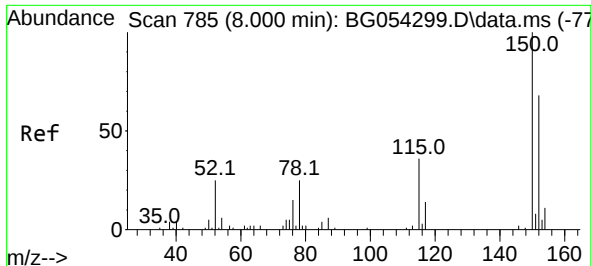
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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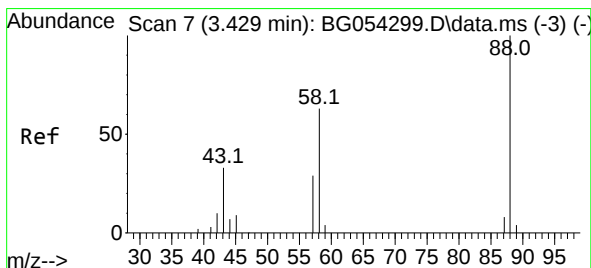
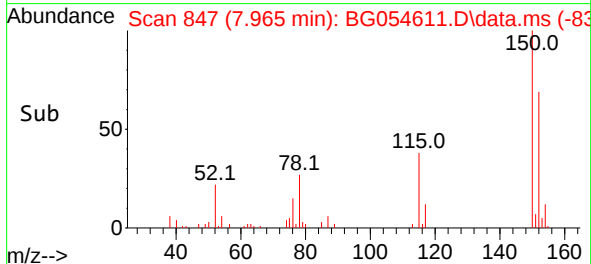
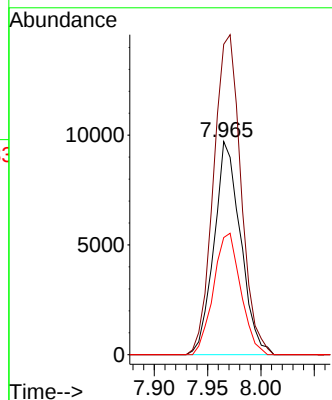
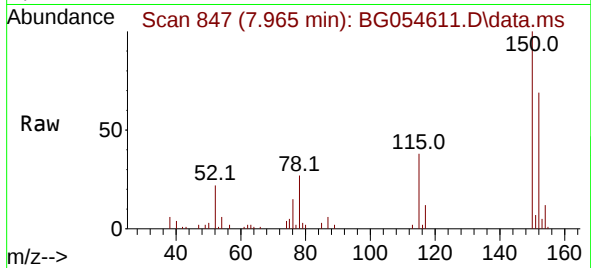




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.965 min Scan# 84
 Delta R.T. -0.007 min
 Lab File: BG054611.D
 Acq: 11 Aug 2022 19:18

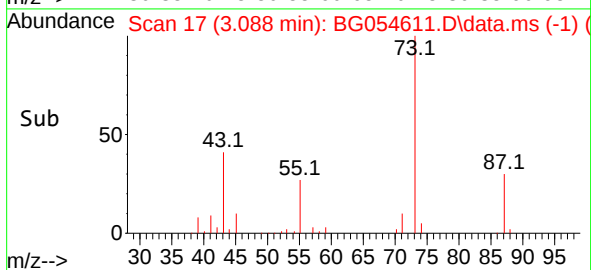
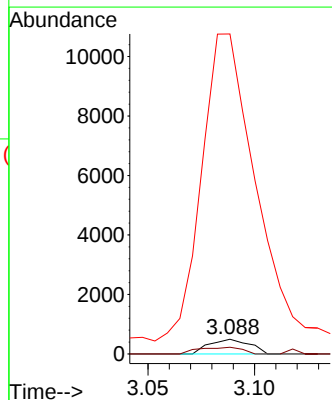
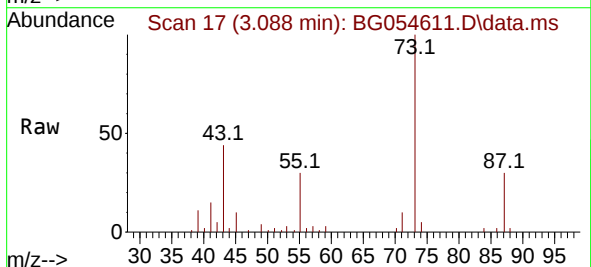
Instrument :
 BNA_G
 ClientSampleId :
 SB03

Tgt Ion:152 Resp: 16766
 Ion Ratio Lower Upper
 152 100
 150 145.7 131.6 197.4
 115 55.0 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.053 ng
 RT: 3.088 min Scan# 17
 Delta R.T. -0.307 min
 Lab File: BG054611.D
 Acq: 11 Aug 2022 19:18

Tgt Ion: 88 Resp: 656
 Ion Ratio Lower Upper
 88 100
 58 48.9 59.2 88.8#
 43 2959.5 24.3 36.5#

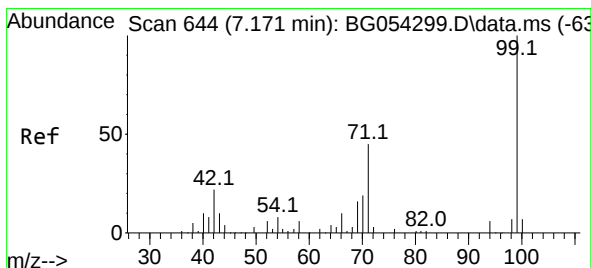
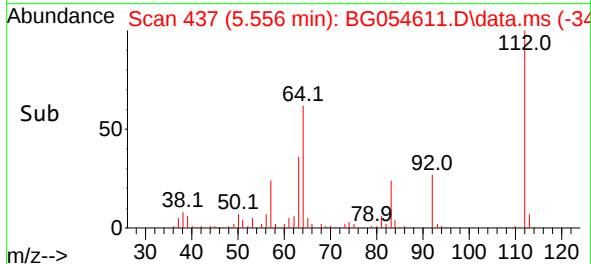
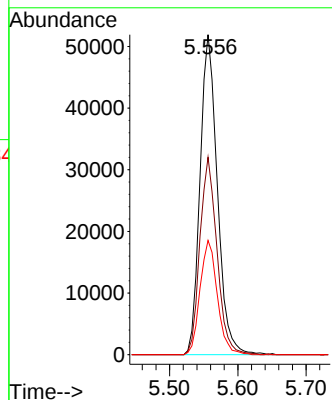
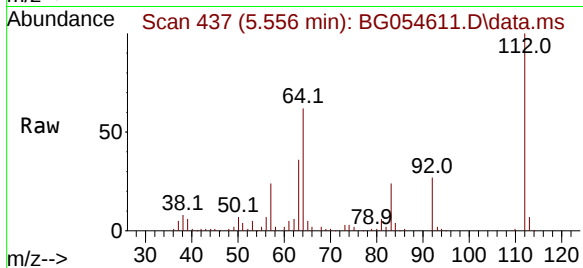




#5
2-Fluorophenol
Concen: 113.759 ng
RT: 5.556 min Scan# 41
Delta R.T. -0.007 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

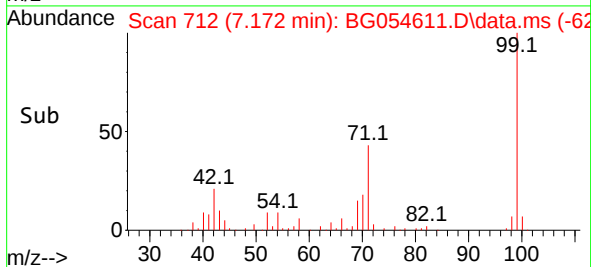
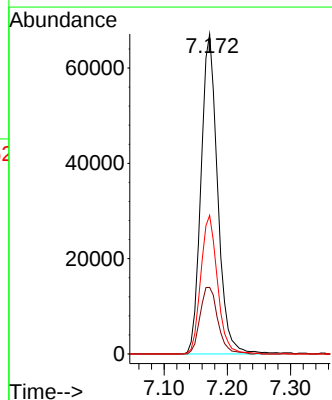
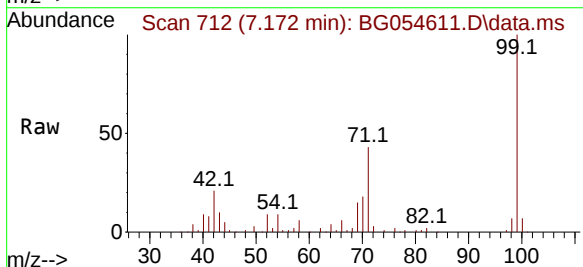
Instrument :
BNA_G
ClientSampleId :
SB03

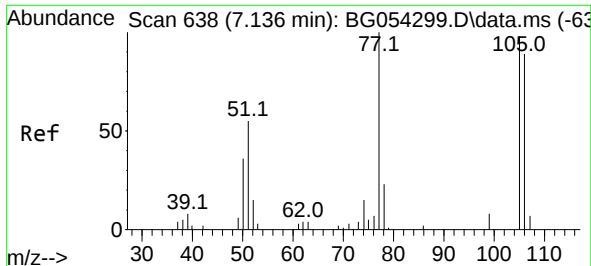
Tgt Ion:112 Resp: 91350
Ion Ratio Lower Upper
112 100
64 61.7 55.1 82.7
63 35.7 30.4 45.6



#7
Phenol-d6
Concen: 111.552 ng
RT: 7.172 min Scan# 712
Delta R.T. -0.007 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

Tgt Ion: 99 Resp: 122744
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 43.3 33.8 50.8

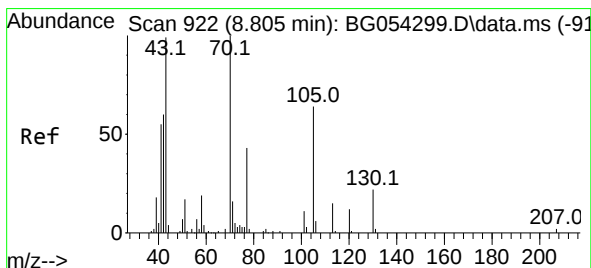
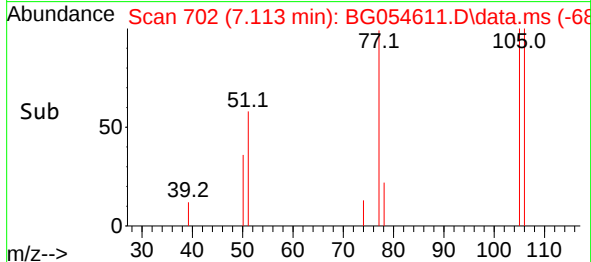
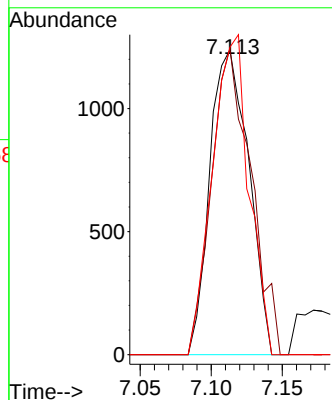
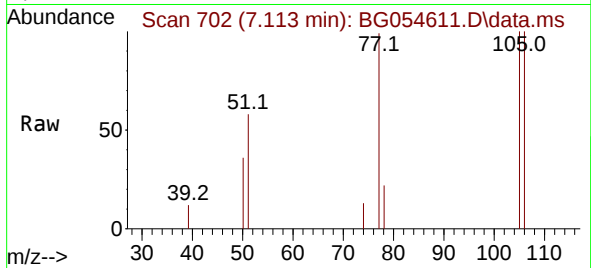




#9
Benzaldehyde
Concen: 2.052 ng
RT: 7.113 min Scan# 702
Delta R.T. 0.005 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

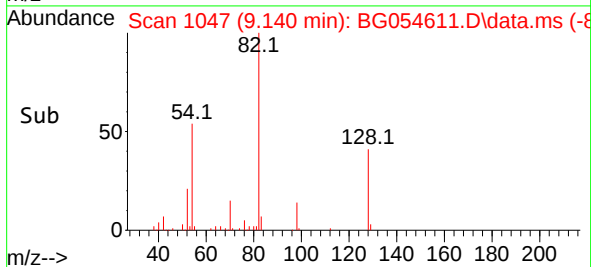
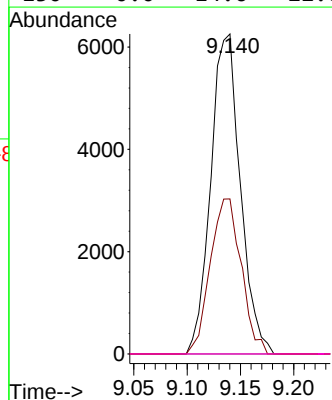
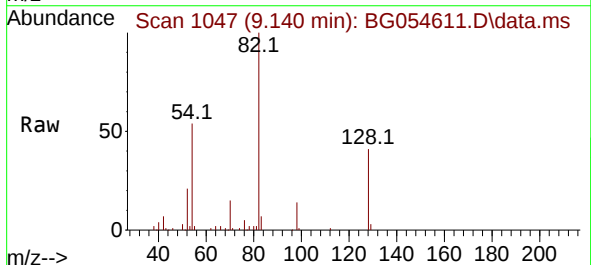
Instrument :
BNA_G
ClientSampleId :
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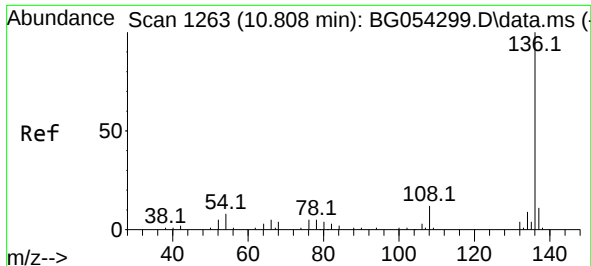
Tgt Ion: 77 Resp: 2351
Ion Ratio Lower Upper
77 100
105 100.4 59.6 99.6#
106 100.8 56.8 96.8#



#19
n-Nitroso-di-n-propylamine
Concen: 16.443 ng
RT: 9.140 min Scan# 1047
Delta R.T. 0.357 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

Tgt Ion: 70 Resp: 12082
Ion Ratio Lower Upper
70 100
42 48.4 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

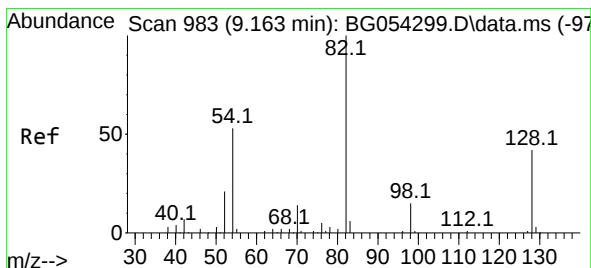
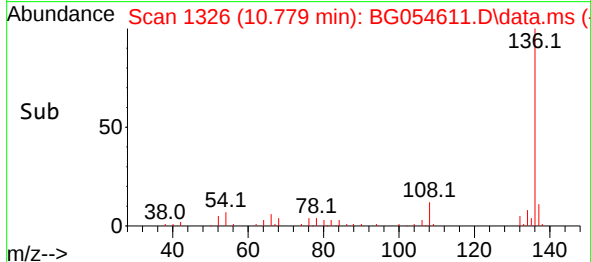
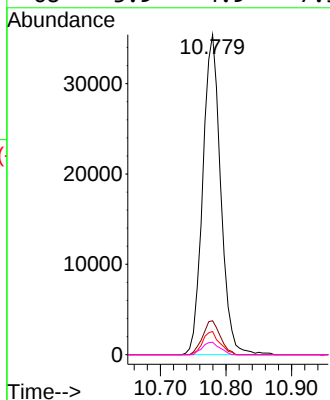
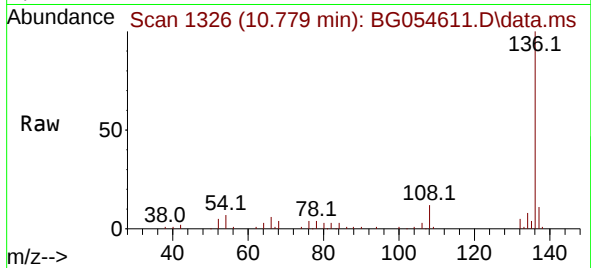




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.779 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

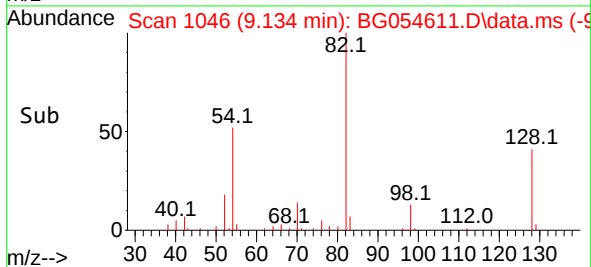
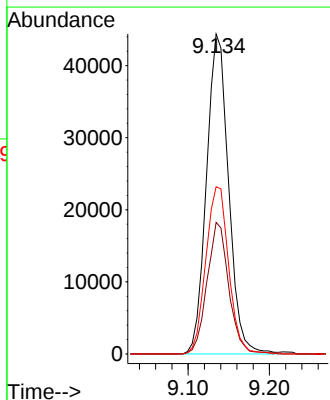
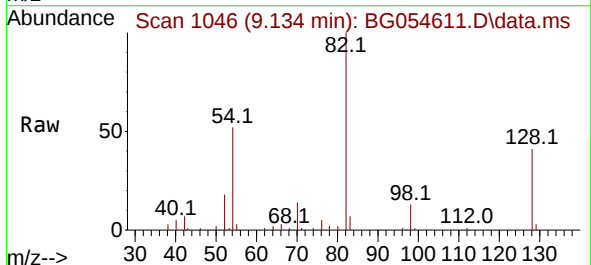
Instrument :
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ClientSampleId :
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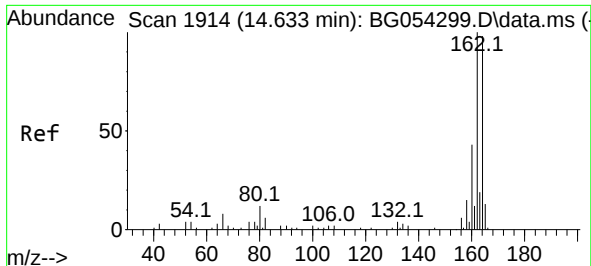
Tgt Ion:	136	Resp:	67323
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	7.3	7.4	11.2#
68	3.9	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 67.758 ng
RT: 9.134 min Scan# 1046
Delta R.T. -0.007 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

Tgt Ion:	82	Resp:	83766
Ion Ratio	Lower	Upper	
82	100		
128	41.1	27.9	41.9
54	52.2	41.2	61.8

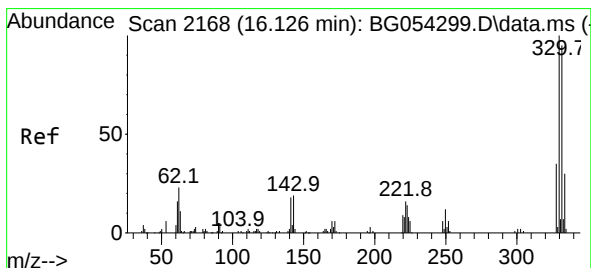
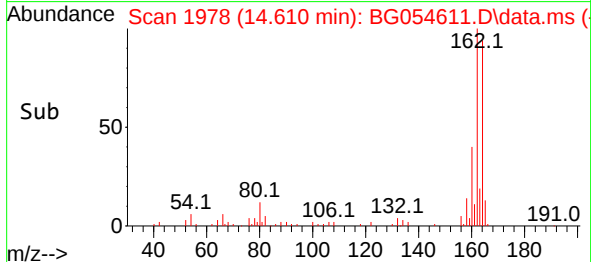
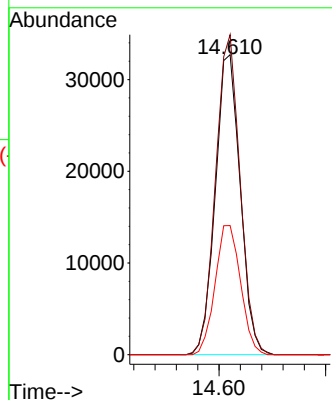
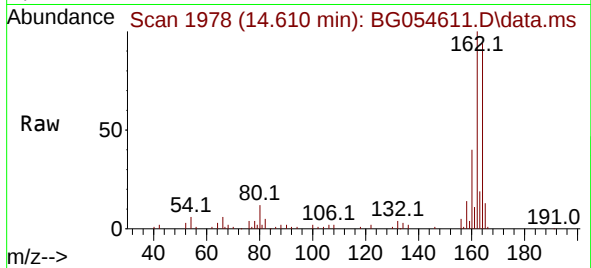




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1914
Delta R.T. -0.007 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

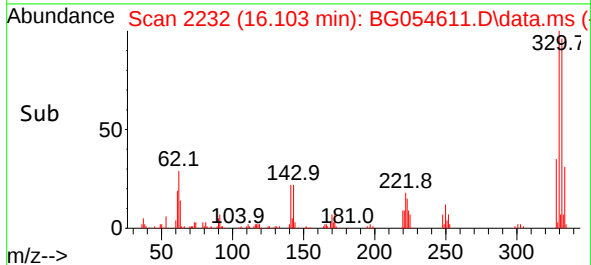
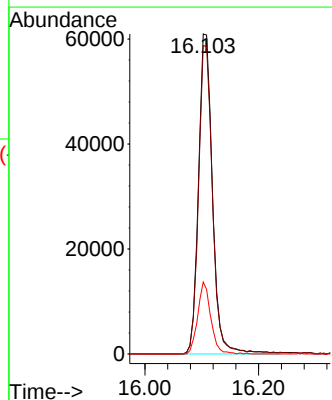
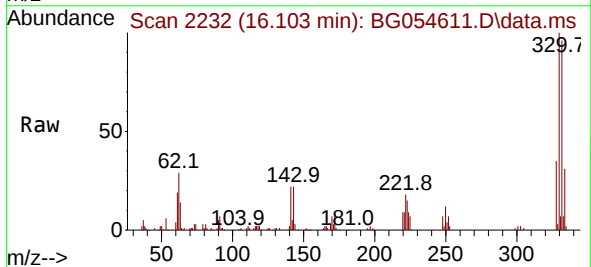
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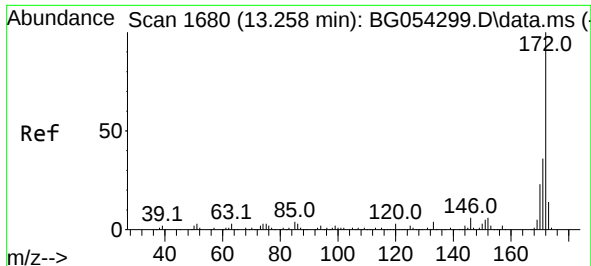
Tgt Ion:164 Resp: 53082
Ion Ratio Lower Upper
164 100
162 106.7 82.3 123.5
160 43.0 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 93.761 ng
RT: 16.103 min Scan# 2232
Delta R.T. -0.013 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

Tgt Ion:330 Resp: 104499
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 20.9 27.1 40.7#

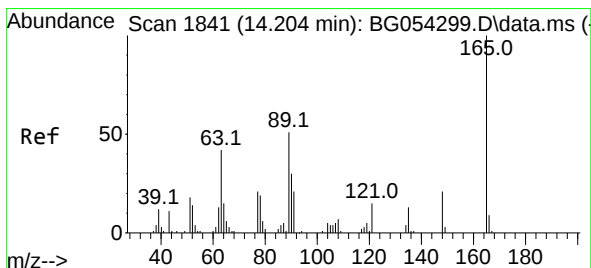
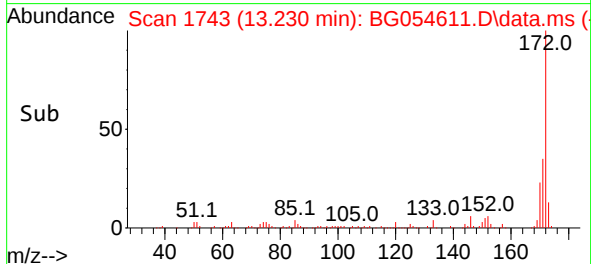
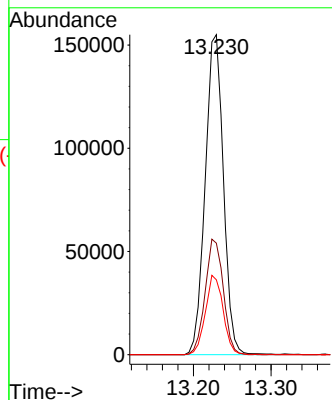
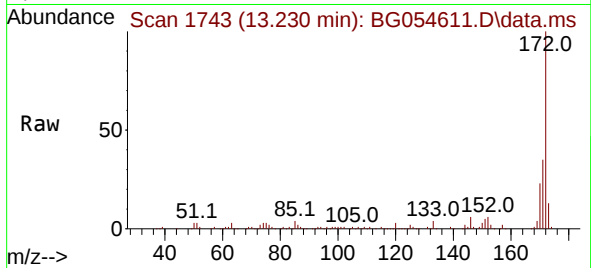




#45
2-Fluorobiphenyl
Concen: 67.134 ng
RT: 13.230 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

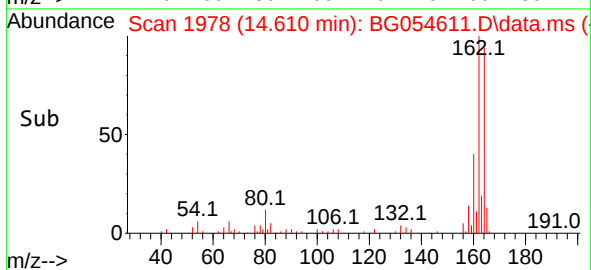
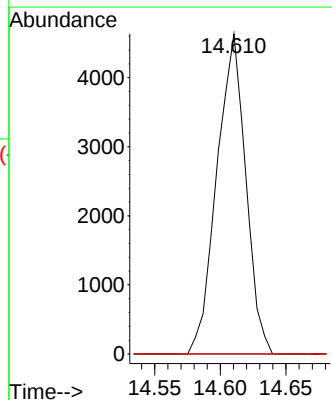
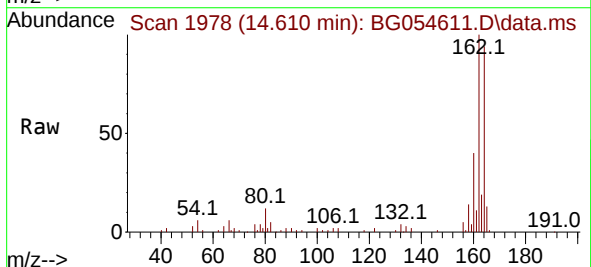
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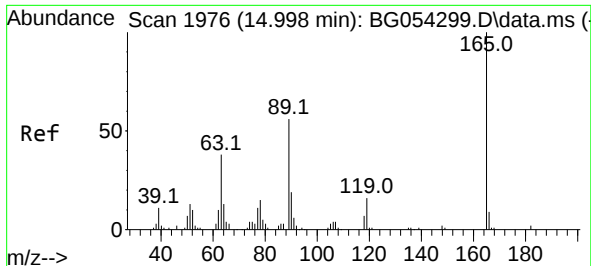
Tgt Ion:172 Resp: 252615
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.4 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.805 ng
RT: 14.610 min Scan# 1978
Delta R.T. 0.416 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

Tgt Ion:165 Resp: 7098
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

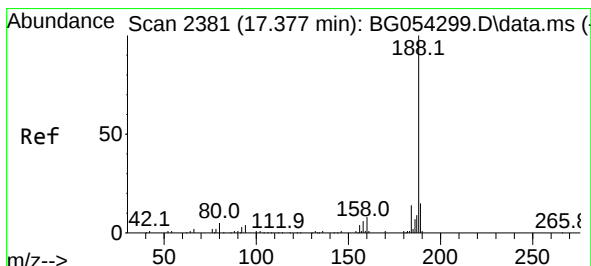
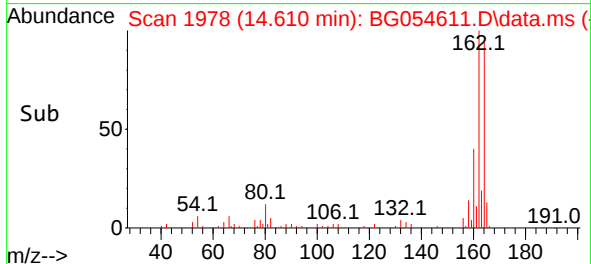
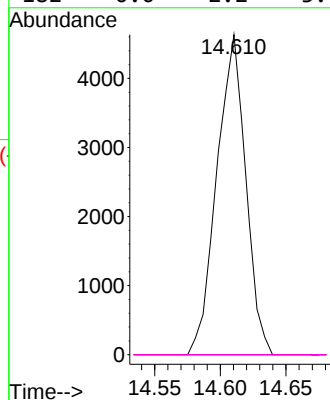
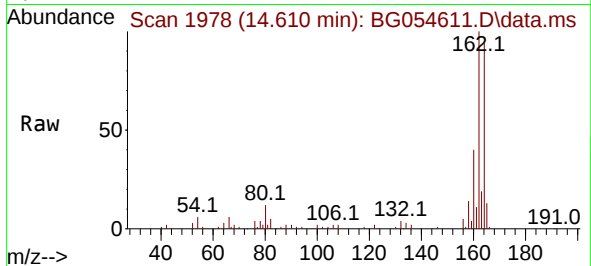




#57
 2,4-Dinitrotoluene
 Concen: 5.444 ng
 RT: 14.610 min Scan# 14
 Delta R.T. -0.383 min
 Lab File: BG054611.D
 Acq: 11 Aug 2022 19:18

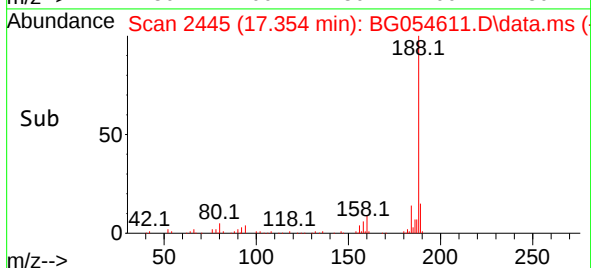
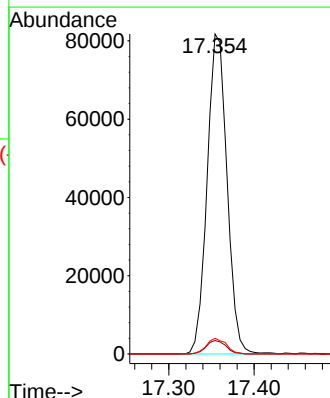
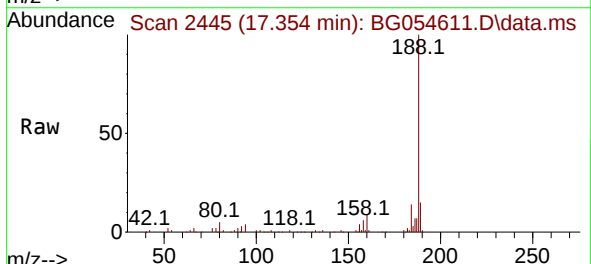
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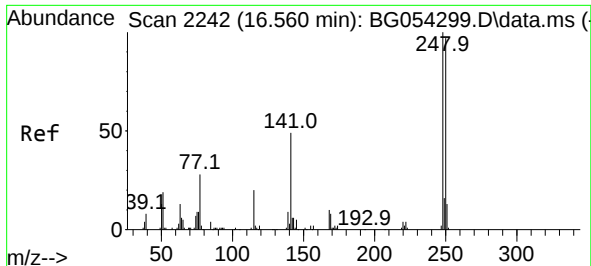
Tgt Ion:	165	Resp:	7098
Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.6	52.0#
89	0.0	60.3	90.5#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.354 min Scan# 2445
 Delta R.T. -0.007 min
 Lab File: BG054611.D
 Acq: 11 Aug 2022 19:18

Tgt Ion:	188	Resp:	132286
Ion	Ratio	Lower	Upper
188	100		
94	4.2	5.4	8.0#
80	4.9	6.8	10.2#

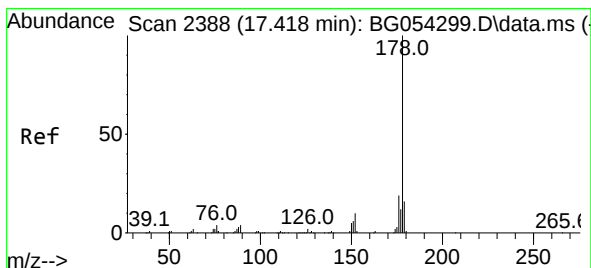
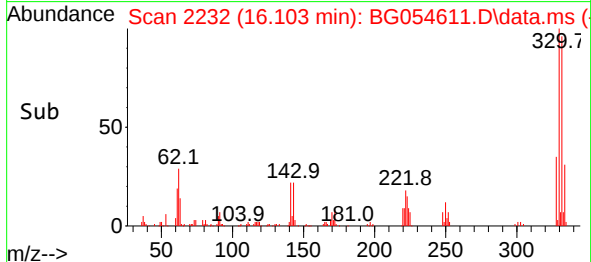
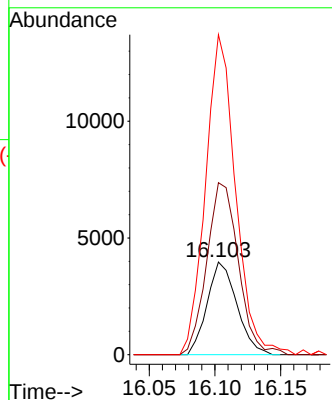
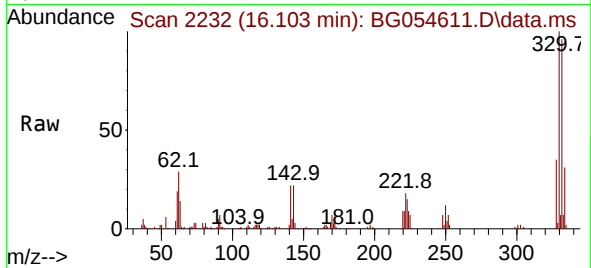




#67
4-Bromophenyl-phenylether
Concen: 3.362 ng
RT: 16.103 min Scan# 21
Delta R.T. -0.442 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

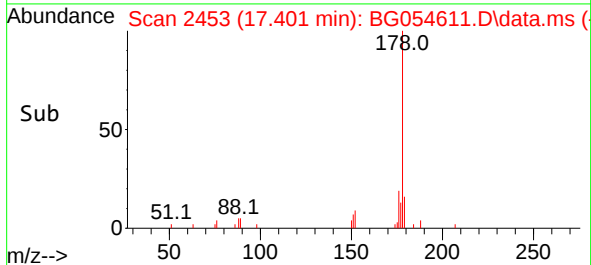
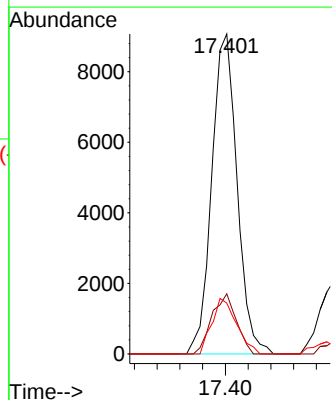
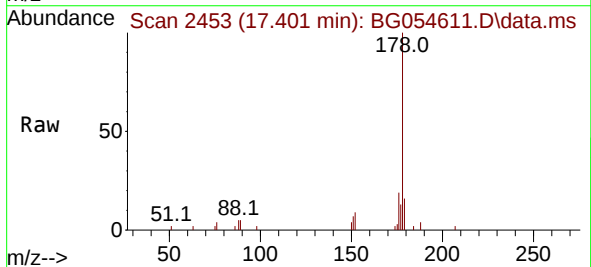
Instrument :
BNA_G
ClientSampleId :
SB03

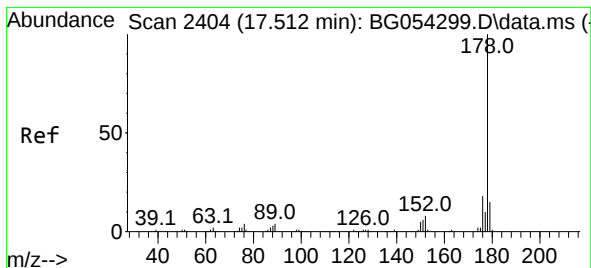
Tgt Ion:248 Resp: 6246
Ion Ratio Lower Upper
248 100
250 185.8 75.2 112.8#
141 345.7 50.0 75.0#



#71
Phenanthrene
Concen: 2.131 ng
RT: 17.401 min Scan# 2453
Delta R.T. -0.007 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

Tgt Ion:178 Resp: 14038
Ion Ratio Lower Upper
178 100
176 18.8 14.1 21.1
179 15.9 12.1 18.1





#72

Anthracene

Concen: 2.171 ng

RT: 17.401 min Scan# 2404

Delta R.T. -0.095 min

Lab File: BG054611.D

Acq: 11 Aug 2022 19:18

Instrument :

BNA_G

ClientSampleId :

SB03

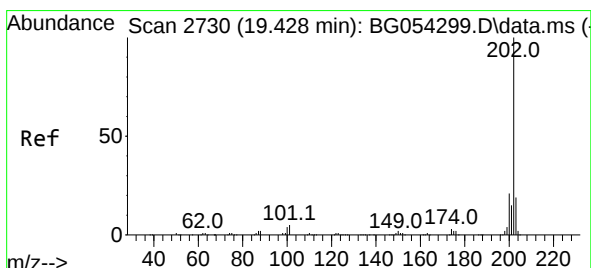
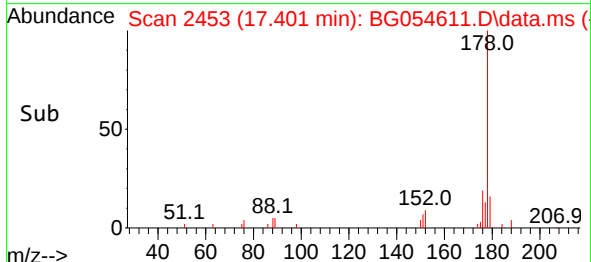
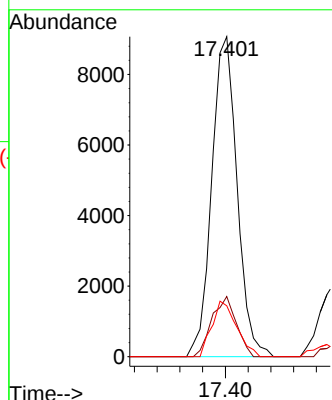
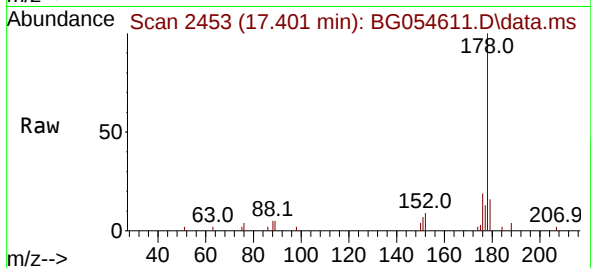
Tgt Ion:178 Resp: 14038

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

179 15.9 13.0 19.4



#75

Fluoranthene

Concen: 6.779 ng

RT: 19.411 min Scan# 2795

Delta R.T. -0.007 min

Lab File: BG054611.D

Acq: 11 Aug 2022 19:18

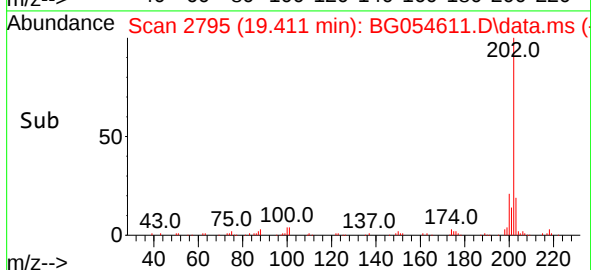
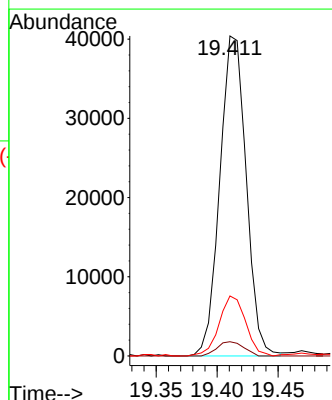
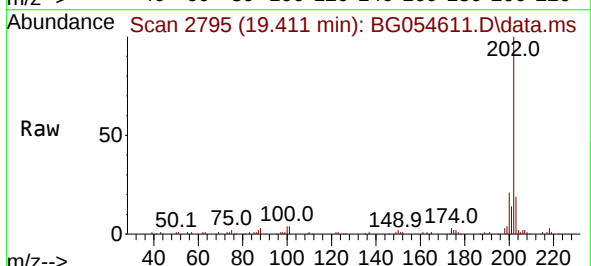
Tgt Ion:202 Resp: 60881

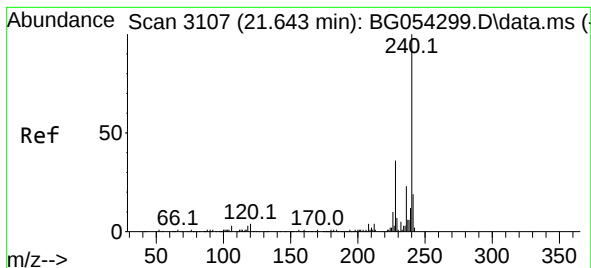
Ion Ratio Lower Upper

202 100

101 4.5 0.0 26.9

203 18.7 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.626 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG054611.D

Acq: 11 Aug 2022 19:18

Instrument :

BNA_G

ClientSampleId :

SB03

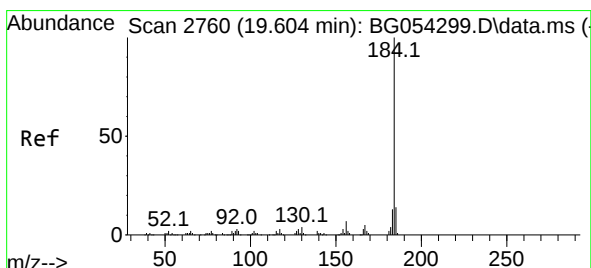
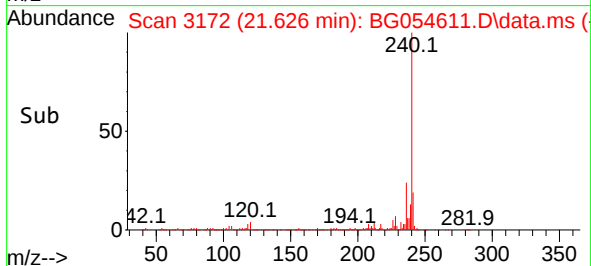
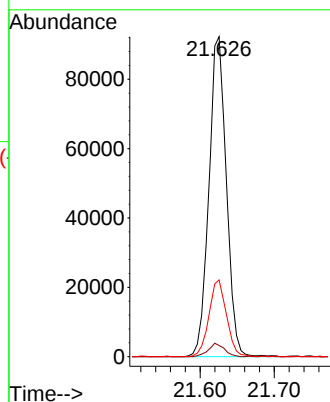
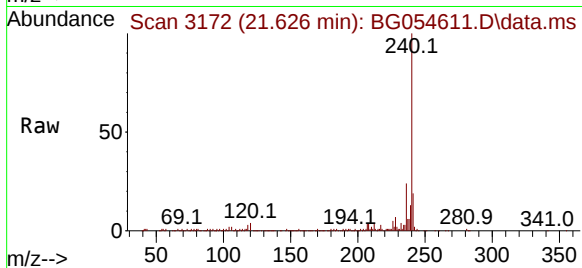
Tgt Ion:240 Resp: 150759

Ion Ratio Lower Upper

240 100

120 3.5 4.6 7.0#

236 24.0 20.2 30.4



#77

Benzidine

Concen: 2.431 ng

RT: 19.963 min Scan# 2889

Delta R.T. 0.369 min

Lab File: BG054611.D

Acq: 11 Aug 2022 19:18

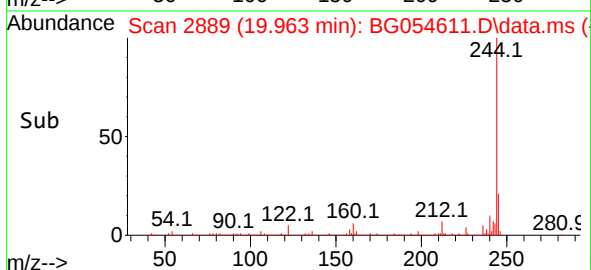
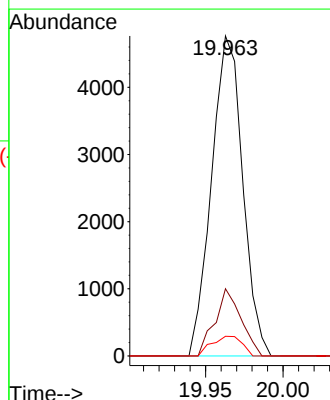
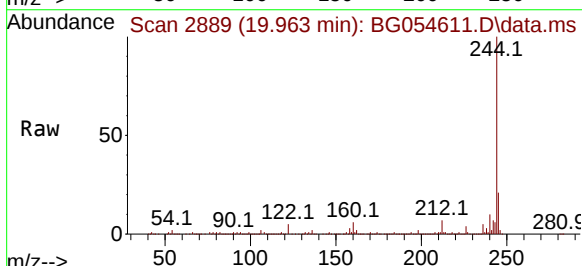
Tgt Ion:184 Resp: 6637

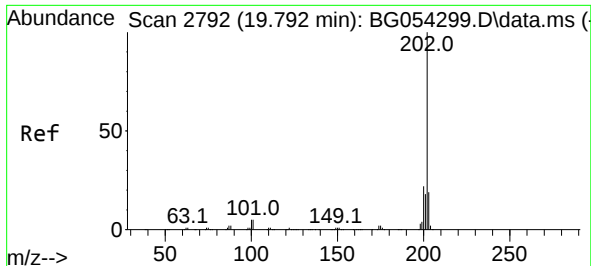
Ion Ratio Lower Upper

184 100

185 21.0 11.8 17.6#

183 6.2 8.9 13.3#

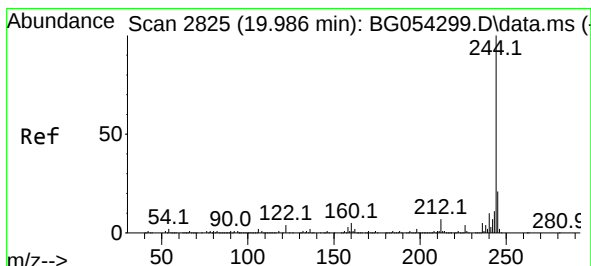
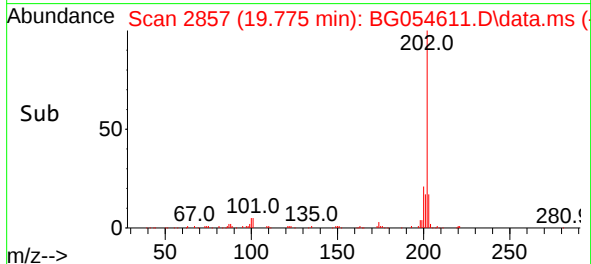
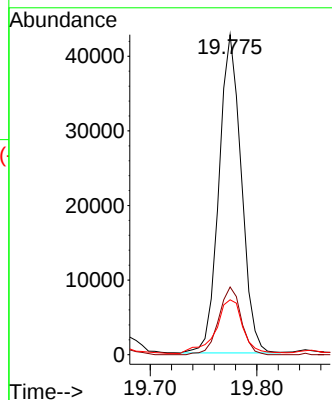
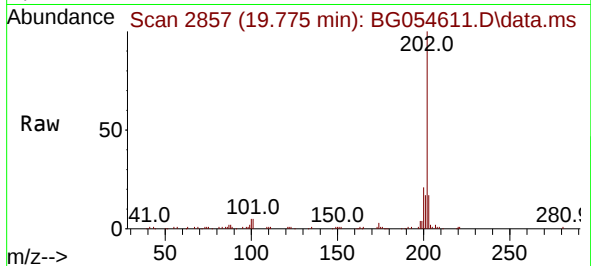




#78
 Pyrene
 Concen: 7.186 ng
 RT: 19.775 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG054611.D
 Acq: 11 Aug 2022 19:18

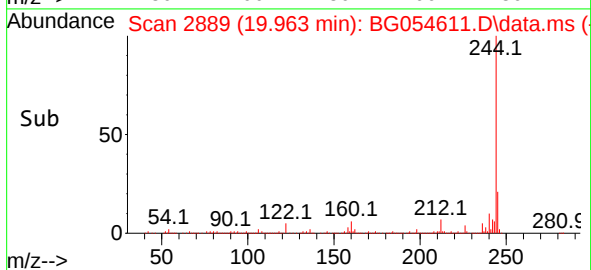
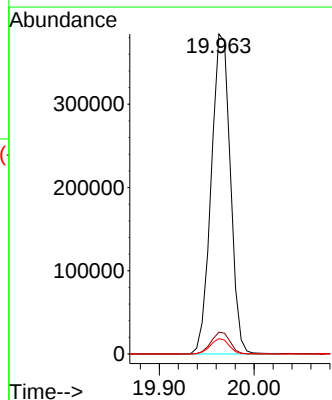
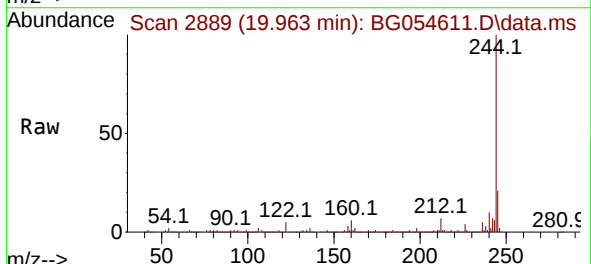
Instrument :
 BNA_G
 ClientSampleId :
 SB03

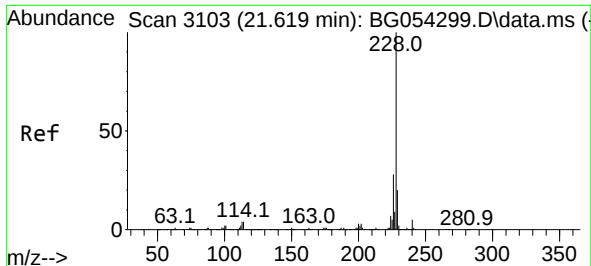
Tgt Ion:202 Resp: 62159
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 24.8
 203 17.1 14.6 21.8



#79
 Terphenyl-d14
 Concen: 70.848 ng
 RT: 19.963 min Scan# 2889
 Delta R.T. -0.007 min
 Lab File: BG054611.D
 Acq: 11 Aug 2022 19:18

Tgt Ion:244 Resp: 538411
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 4.8 5.0 7.4#

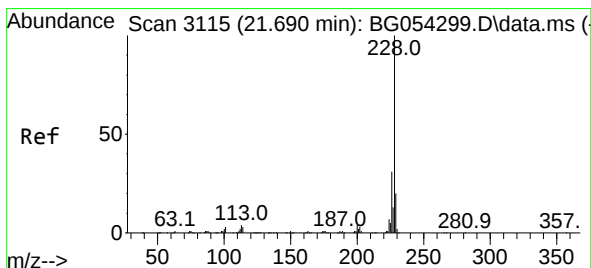
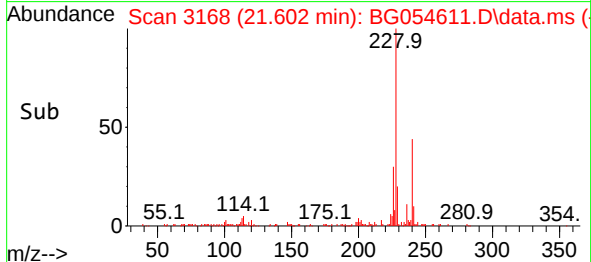
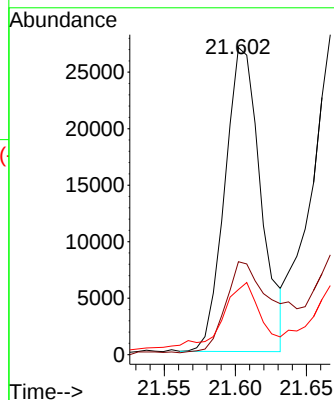
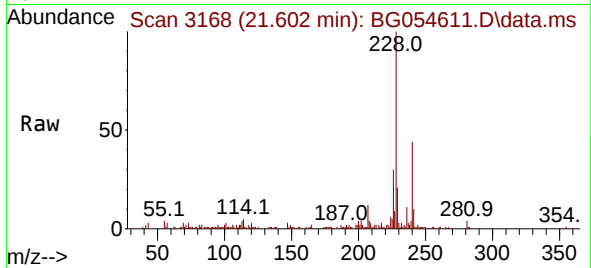




#81
Benzo(a)anthracene
Concen: 4.971 ng
RT: 21.602 min Scan# 3103
Delta R.T. -0.013 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

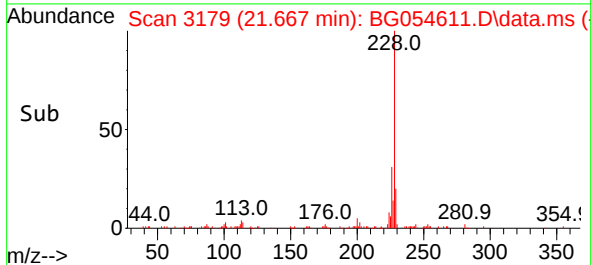
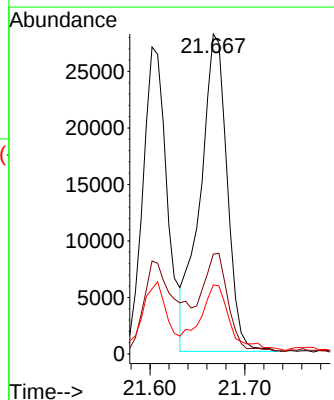
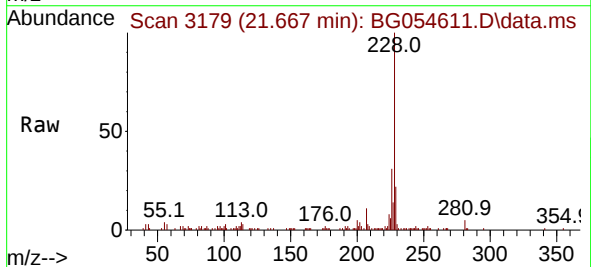
Instrument :
BNA_G
ClientSampleId :
SB03

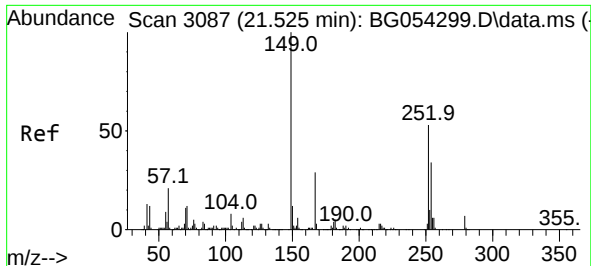
Tgt Ion:228 Resp: 47573
Ion Ratio Lower Upper
228 100
226 30.3 21.6 32.4
229 21.2 16.2 24.2



#83
Chrysene
Concen: 6.167 ng
RT: 21.667 min Scan# 3179
Delta R.T. -0.013 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

Tgt Ion:228 Resp: 55755
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.2
229 21.6 15.5 23.3

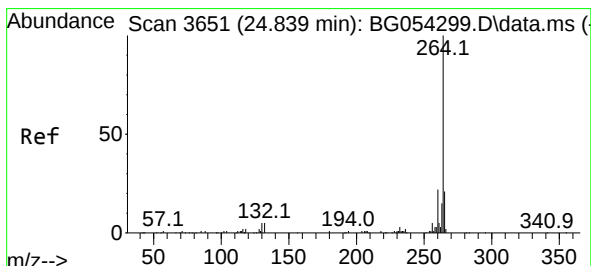
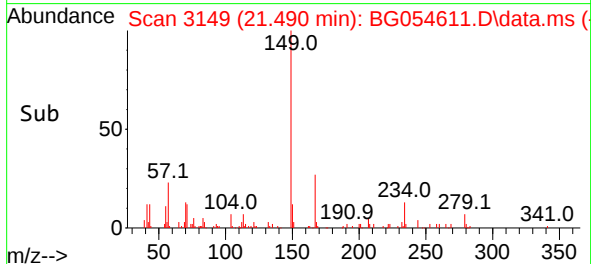
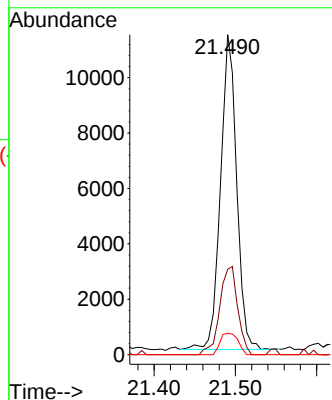
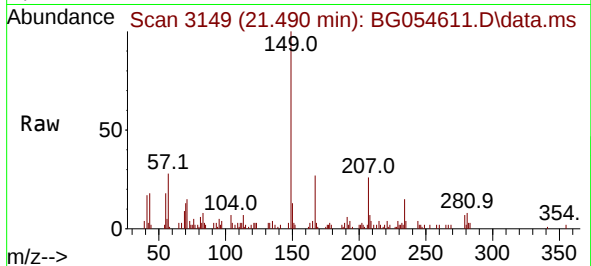




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.115 ng
 RT: 21.490 min Scan# 3149
 Delta R.T. -0.007 min
 Lab File: BG054611.D
 Acq: 11 Aug 2022 19:18

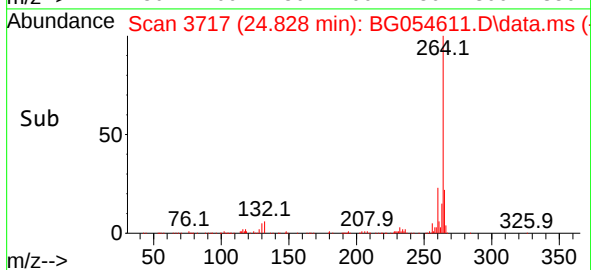
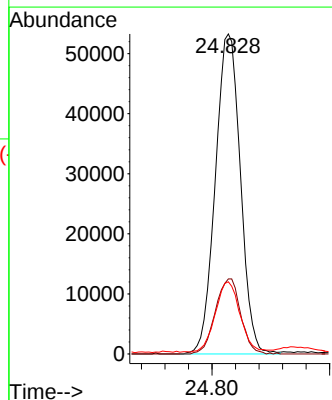
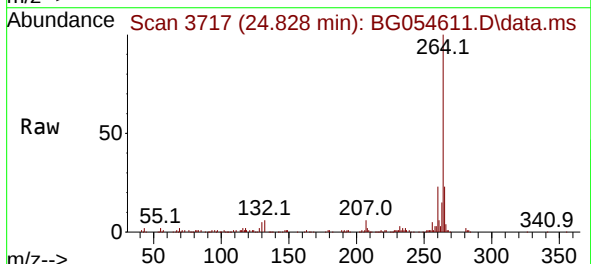
Instrument :
 BNA_G
 ClientSampleId :
 SB03

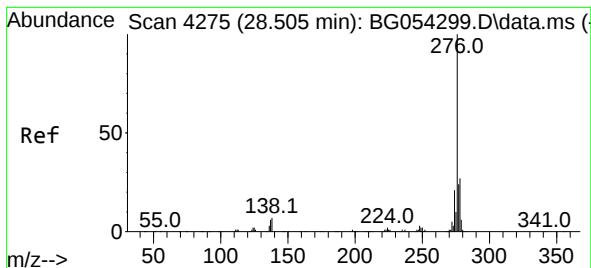
Tgt Ion:149 Resp: 15696
 Ion Ratio Lower Upper
 149 100
 167 26.7 20.2 30.4
 279 6.7 3.6 5.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.828 min Scan# 3717
 Delta R.T. -0.007 min
 Lab File: BG054611.D
 Acq: 11 Aug 2022 19:18

Tgt Ion:264 Resp: 157563
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.6
 265 22.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.426 ng

RT: 28.506 min Scan# 41

Delta R.T. -0.025 min

Lab File: BG054611.D

Acq: 11 Aug 2022 19:18

Instrument :

BNA_G

ClientSampleId :

SB03

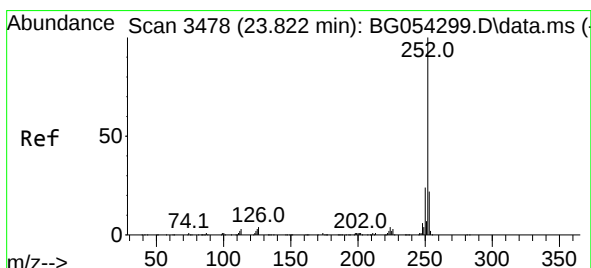
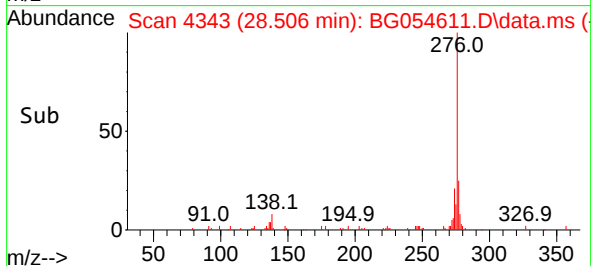
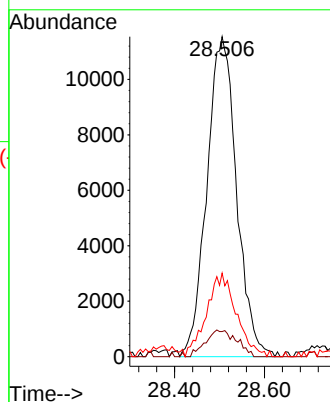
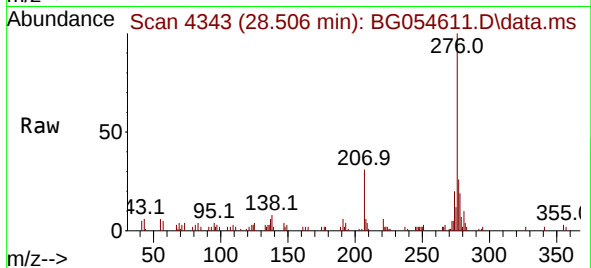
Tgt Ion:276 Resp: 53047

Ion Ratio Lower Upper

276 100

138 8.7 5.0 7.4#

277 12.3 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 9.308 ng

RT: 23.817 min Scan# 3545

Delta R.T. -0.001 min

Lab File: BG054611.D

Acq: 11 Aug 2022 19:18

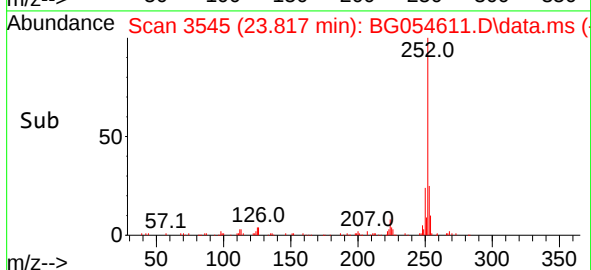
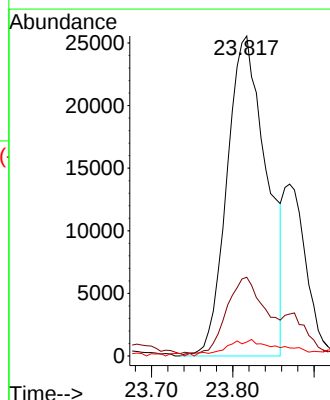
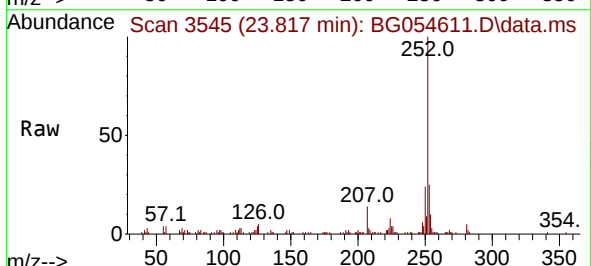
Tgt Ion:252 Resp: 86729

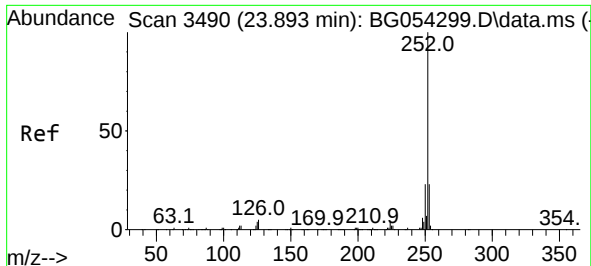
Ion Ratio Lower Upper

252 100

253 24.6 18.0 27.0

125 4.4 4.6 6.8#

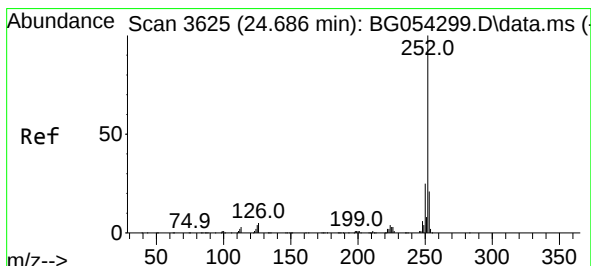
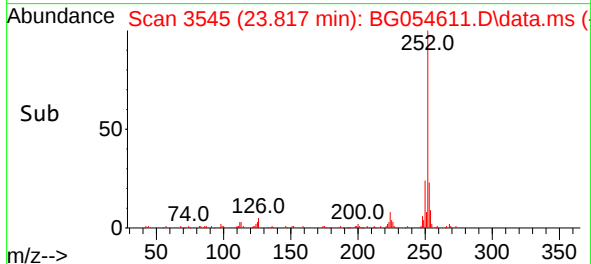
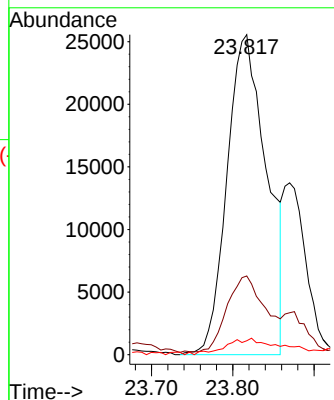
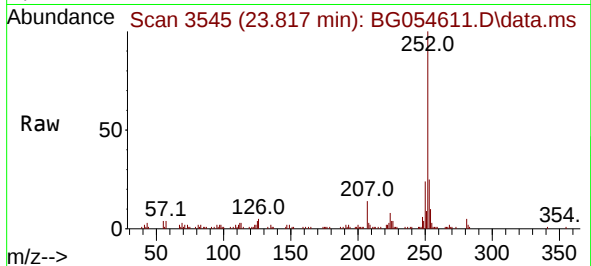




#89
Benzo(k)fluoranthene
Concen: 9.352 ng
RT: 23.817 min Scan# 317
Delta R.T. -0.066 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

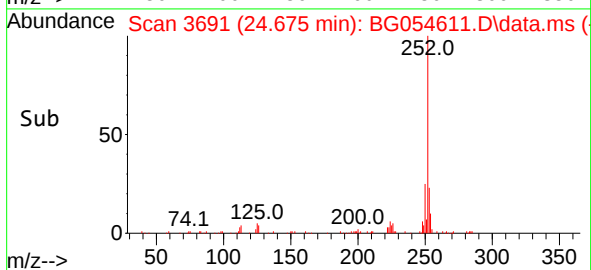
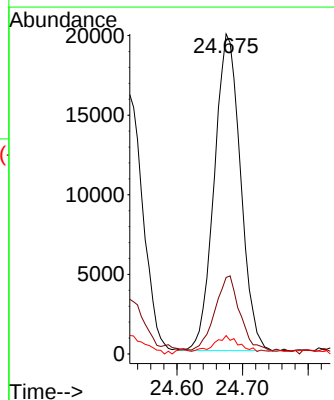
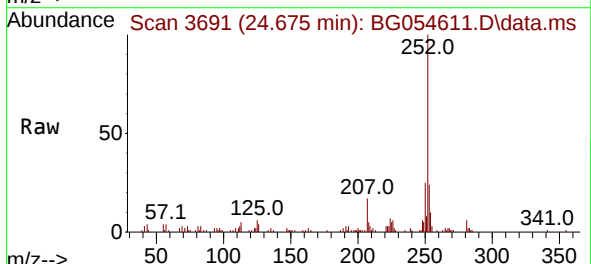
Instrument :
BNA_G
ClientSampleId :
SB03

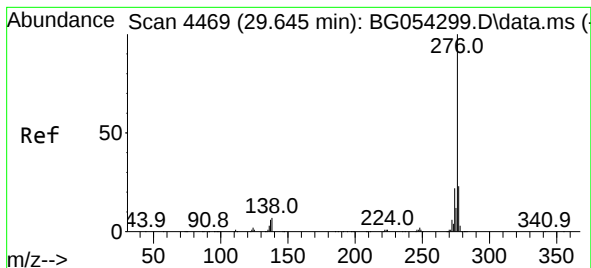
Tgt Ion:252 Resp: 86729
Ion Ratio Lower Upper
252 100
253 24.6 18.4 27.6
125 4.4 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 6.927 ng
RT: 24.675 min Scan# 3691
Delta R.T. -0.013 min
Lab File: BG054611.D
Acq: 11 Aug 2022 19:18

Tgt Ion:252 Resp: 55123
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 5.7 4.3 6.5





#92

Benzo(g,h,i)perylene

Concen: 5.384 ng

RT: 29.663 min Scan# 4

Delta R.T. -0.013 min

Lab File: BG054611.D

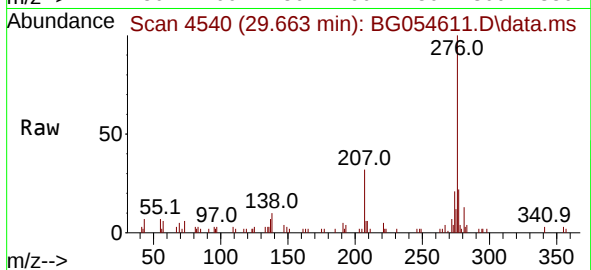
Acq: 11 Aug 2022 19:18

Instrument :

BNA_G

ClientSampleId :

SB03



Tgt Ion:276 Resp: 52371

Ion Ratio Lower Upper

276 100

277 22.4 17.3 25.9

138 9.5 9.6 14.4#

