

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
 Data File : BG061241.D
 Acq On : 17 May 2024 16:32
 Operator : MA/JU
 Sample : P2482-02 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SW-01-229

Quant Time: May 17 17:11:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

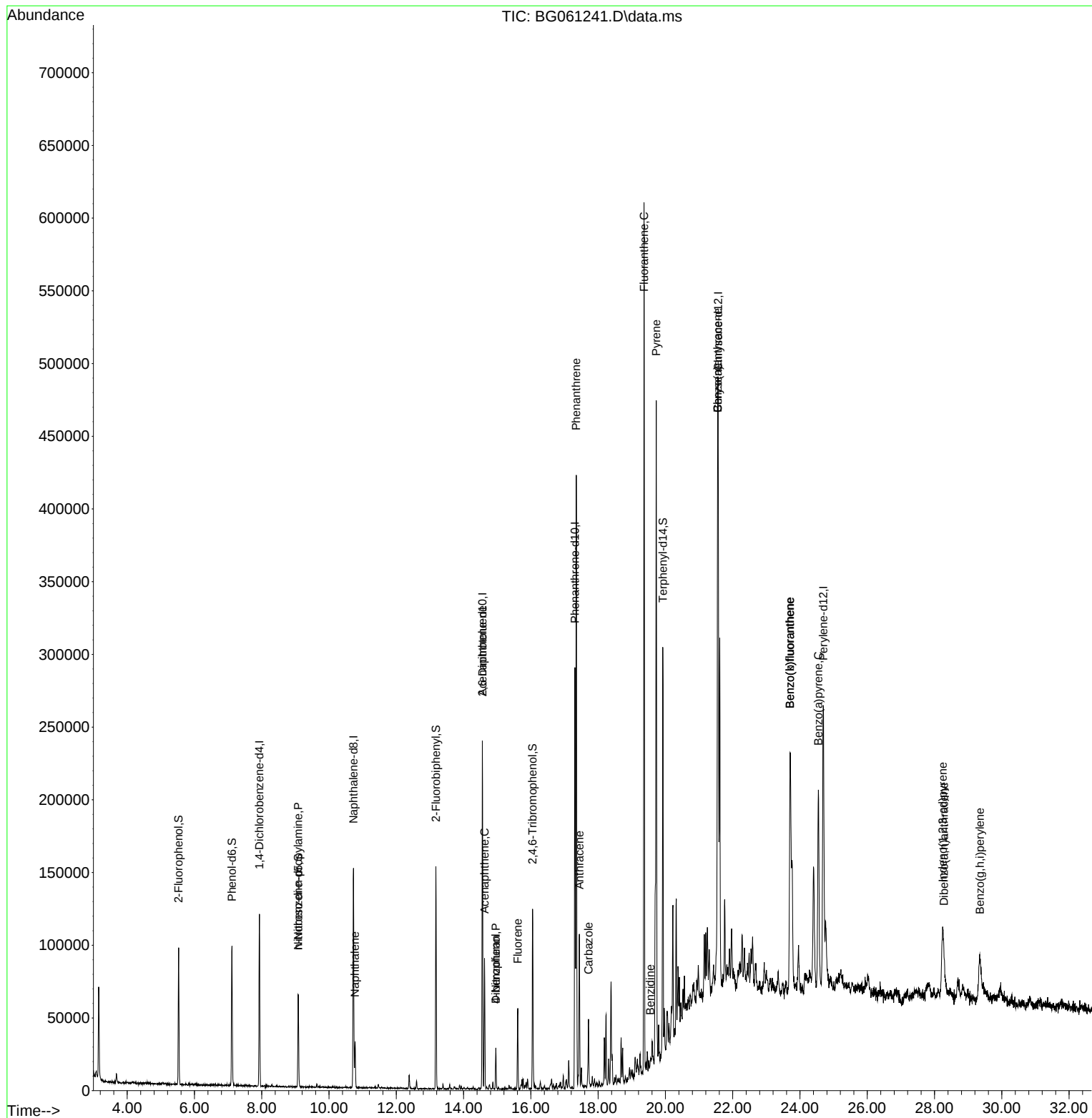
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.930	152	30805	20.000	ng	-0.03
21) Naphthalene-d8	10.727	136	113586	20.000	ng	#-0.03
39) Acenaphthene-d10	14.558	164	83023	20.000	ng	-0.03
64) Phenanthrene-d10	17.307	188	186096	20.000	ng	#-0.03
76) Chrysene-d12	21.567	240	183278	20.000	ng	#-0.03
86) Perylene-d12	24.693	264	227699	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	33029	21.806	ng	-0.02
7) Phenol-d6	7.113	99	45168	20.158	ng	-0.02
23) Nitrobenzene-d5	9.082	82	33603	14.665	ng	-0.04
42) 2,4,6-Tribromophenol	16.050	330	26617	16.039	ng	-0.03
45) 2-Fluorobiphenyl	13.177	172	79020	14.074	ng	-0.03
79) Terphenyl-d14	19.922	244	138577	12.575	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.082	70	5017	2.992	ng	# 66
31) Naphthalene	10.774	128	24346	4.124	ng	# 95
51) 2,6-Dinitrotoluene	14.558	165	11265	8.213	ng	# 15
52) Acenaphthene	14.622	154	31161	7.630	ng	93
55) Dibenzofuran	14.957	168	16967	2.460	ng	98
56) 4-Nitrophenol	14.957	139	6818	6.722	ng	# 1
58) Fluorene	15.609	166	23573	3.949	ng	89
71) Phenanthrene	17.348	178	263405	30.956	ng	99
72) Anthracene	17.442	178	69827	8.224	ng	98
73) Carbazole	17.713	167	30152	4.039	ng	97
75) Fluoranthene	19.364	202	386459	33.152	ng	99
77) Benzidine	19.552	184	570	2.949	ng	# 60
78) Pyrene	19.728	202	326594	28.029	ng	99
81) Benzo(a)anthracene	21.549	228	199542	16.638	ng	98
83) Chrysene	21.549	228	199542	17.758	ng	94
87) Indeno(1,2,3-cd)pyrene	28.242	276	93423	6.191	ng	95
88) Benzo(b)fluoranthene	23.706	252	214236	16.837	ng	99
89) Benzo(k)fluoranthene	23.706	252	214236	17.502	ng	# 97
90) Benzo(a)pyrene	24.546	252	158325	14.283	ng	96
91) Dibenzo(a,h)anthracene	28.277	278	25100	2.009	ng	# 79
92) Benzo(g,h,i)perylene	29.346	276	74108	5.968	ng	# 96

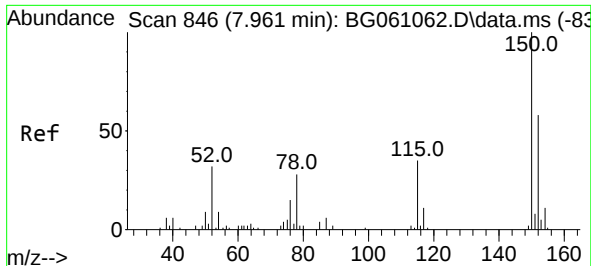
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
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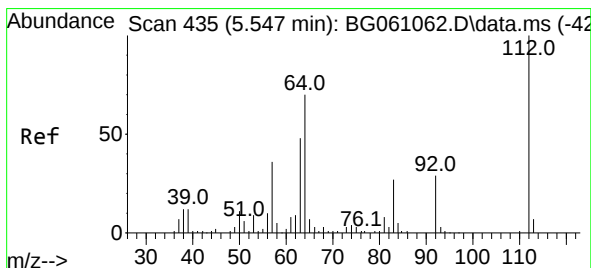
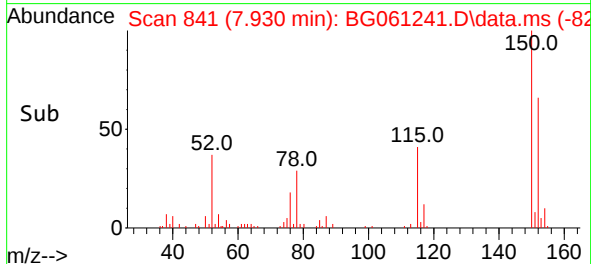
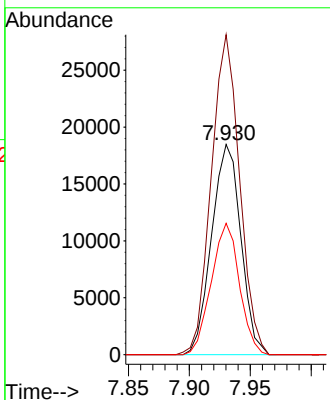
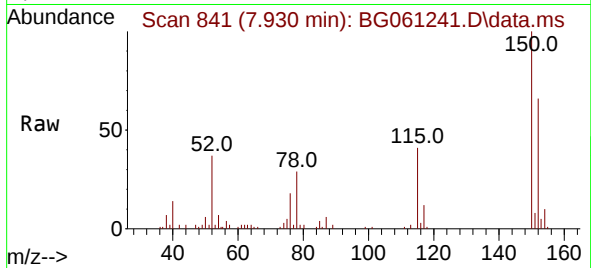




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.930 min Scan# 846
Delta R.T. -0.031 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

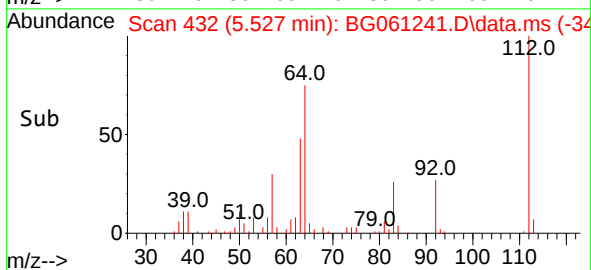
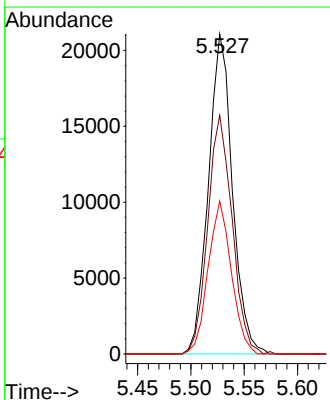
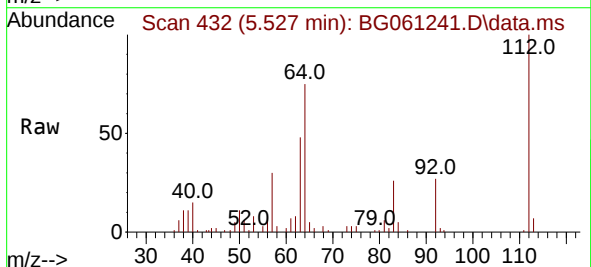
Instrument :
BNA_G
ClientSampleId :
SW-01-229

Tgt Ion:152 Resp: 30805
Ion Ratio Lower Upper
152 100
150 152.2 138.3 207.5
115 62.5 48.0 72.0



#5
2-Fluorophenol
Concen: 21.806 ng
RT: 5.527 min Scan# 432
Delta R.T. -0.020 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

Tgt Ion:112 Resp: 33029
Ion Ratio Lower Upper
112 100
64 74.5 55.7 83.5
63 47.8 38.1 57.1

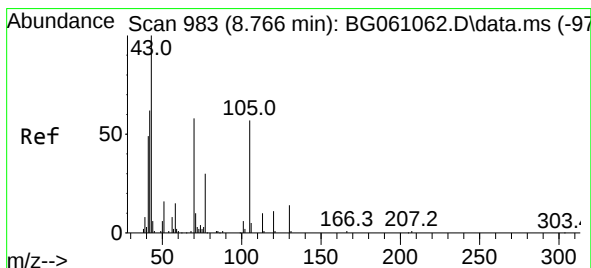
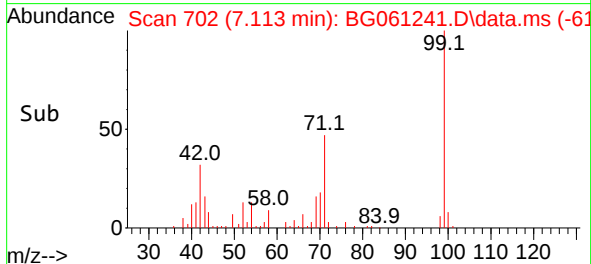
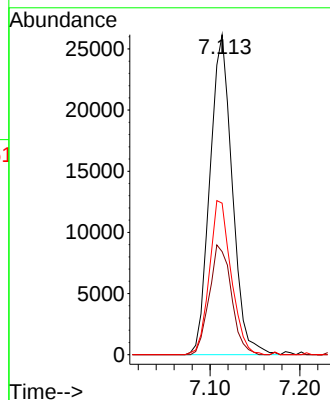
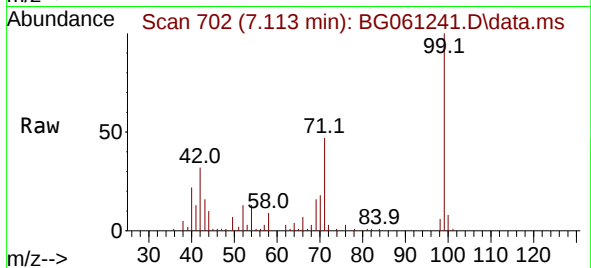




#7
Phenol-d6
Concen: 20.158 ng
RT: 7.113 min Scan# 705
Delta R.T. -0.020 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

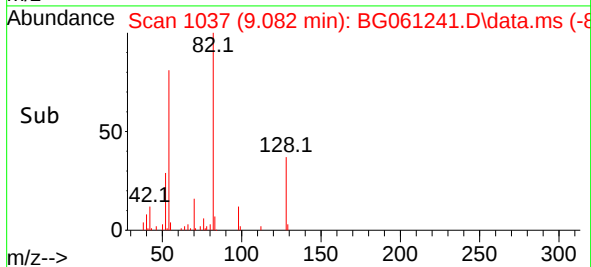
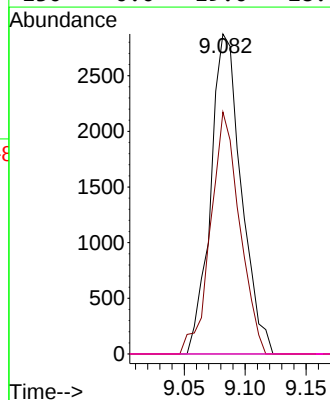
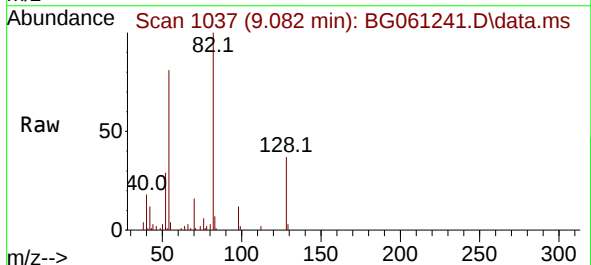
Instrument :
BNA_G
ClientSampleId :
SW-01-229

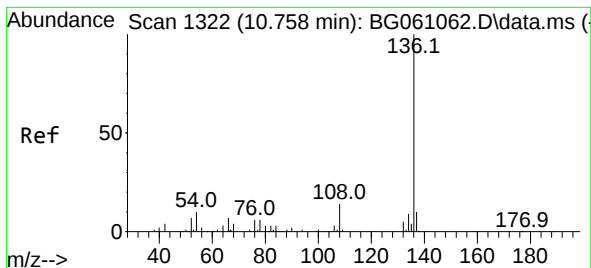
Tgt Ion: 99 Resp: 45168
Ion Ratio Lower Upper
99 100
42 32.2 29.2 43.8
71 47.3 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.992 ng
RT: 9.082 min Scan# 1037
Delta R.T. 0.315 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

Tgt Ion: 70 Resp: 5017
Ion Ratio Lower Upper
70 100
42 75.6 86.4 129.6#
101 0.0 7.8 11.8#
130 0.0 19.0 28.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.727 min Scan# 11

Delta R.T. -0.031 min

Lab File: BG061241.D

Acq: 17 May 2024 16:32

Instrument :

BNA_G

ClientSampleId :

SW-01-229

Tgt Ion:136 Resp: 113586

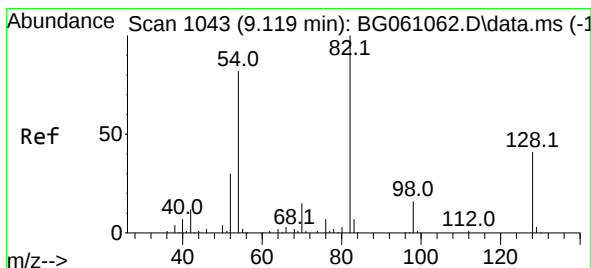
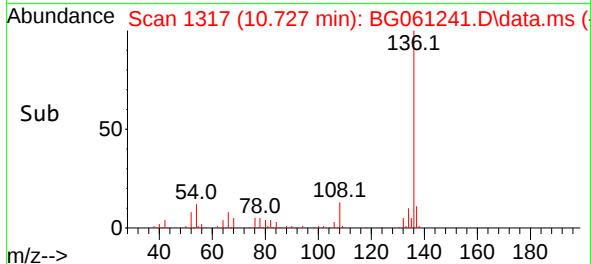
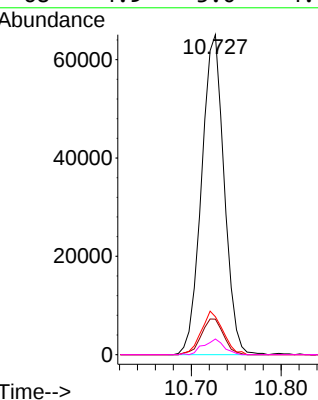
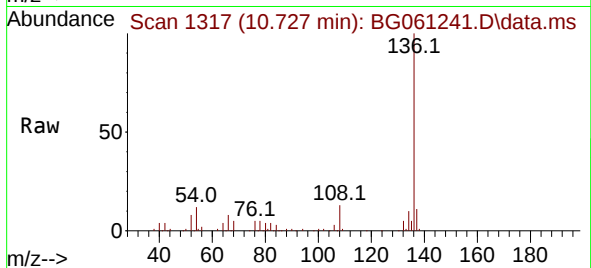
Ion Ratio Lower Upper

136 100

137 11.1 7.8 11.6

54 12.6 8.1 12.1#

68 4.9 3.0 4.4#



#23

Nitrobenzene-d5

Concen: 14.665 ng

RT: 9.082 min Scan# 1037

Delta R.T. -0.037 min

Lab File: BG061241.D

Acq: 17 May 2024 16:32

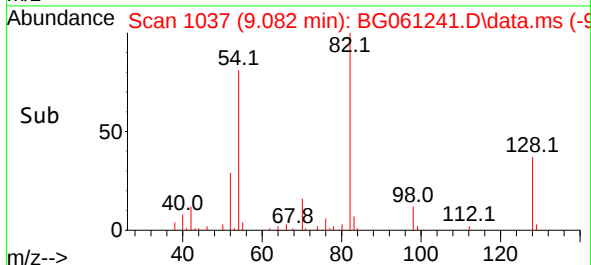
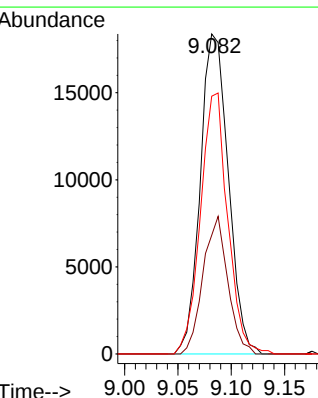
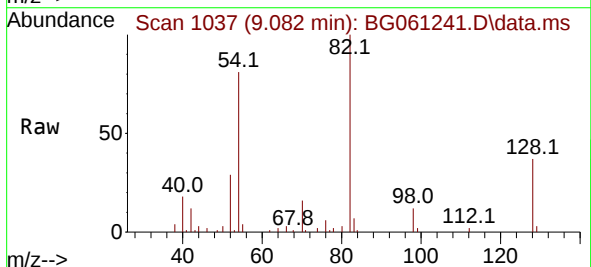
Tgt Ion: 82 Resp: 33603

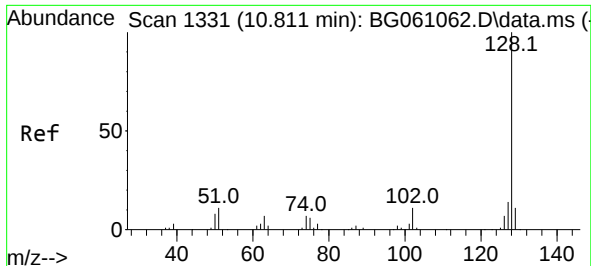
Ion Ratio Lower Upper

82 100

128 37.1 32.7 49.1

54 80.6 65.6 98.4

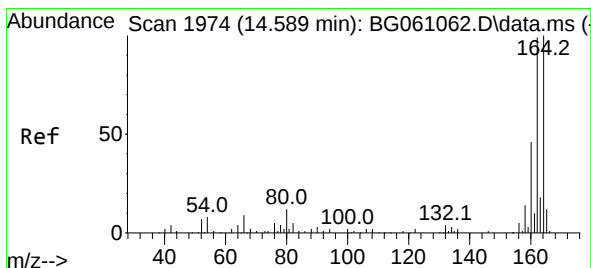
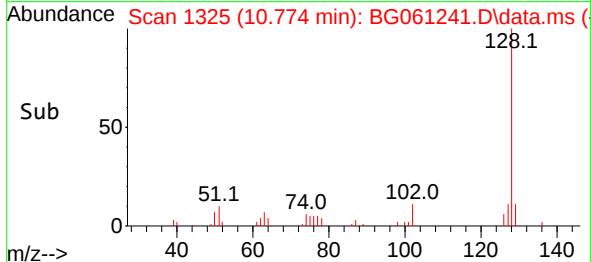
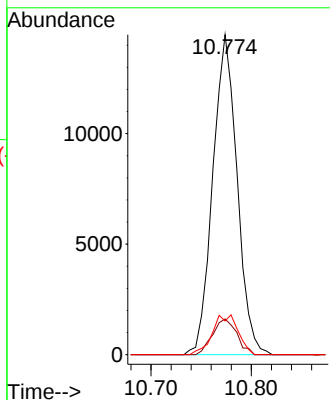
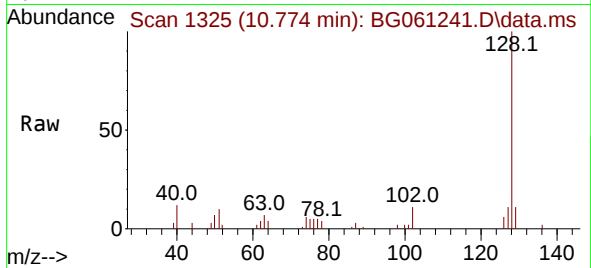




#31
Naphthalene
Concen: 4.124 ng
RT: 10.774 min Scan# 11
Delta R.T. -0.037 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

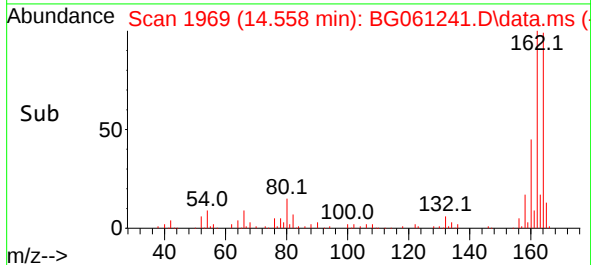
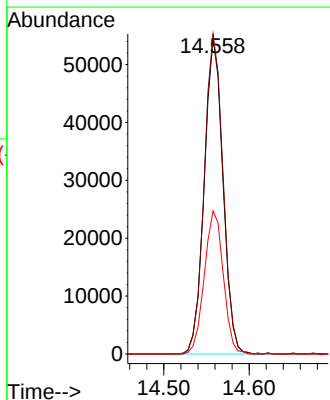
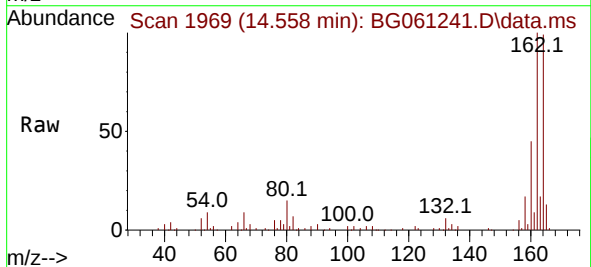
Instrument :
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ClientSampleId :
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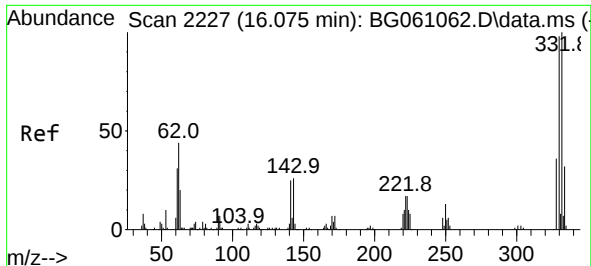
Tgt Ion:128 Resp: 24346
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 10.6 11.1 16.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.558 min Scan# 1969
Delta R.T. -0.031 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

Tgt Ion:164 Resp: 83023
Ion Ratio Lower Upper
164 100
162 101.3 79.4 119.2
160 45.3 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 16.039 ng

RT: 16.050 min Scan# 21

Delta R.T. -0.025 min

Lab File: BG061241.D

Acq: 17 May 2024 16:32

Instrument :

BNA_G

ClientSampleId :

SW-01-229

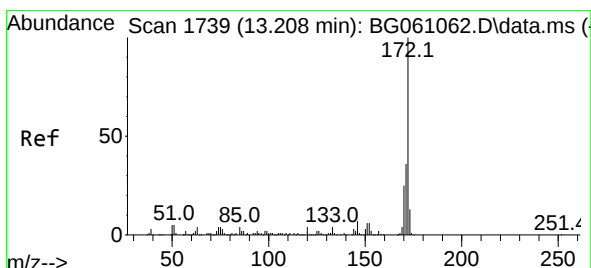
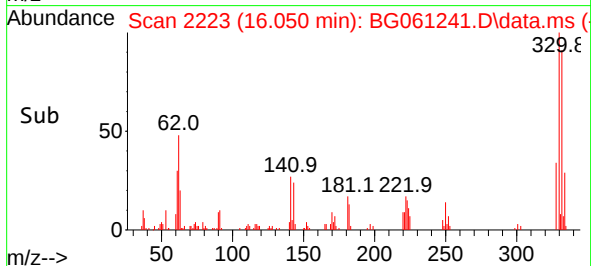
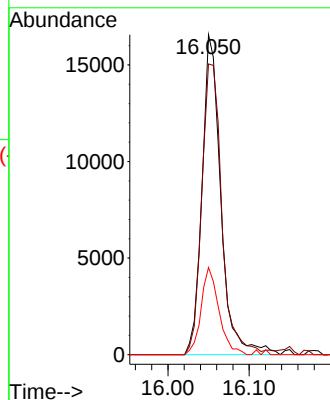
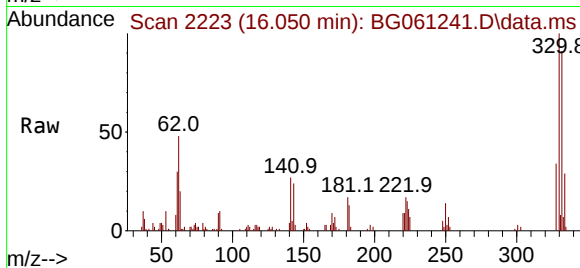
Tgt Ion:330 Resp: 26617

Ion Ratio Lower Upper

330 100

332 96.6 78.6 117.8

141 25.9 20.5 30.7



#45

2-Fluorobiphenyl

Concen: 14.074 ng

RT: 13.177 min Scan# 1734

Delta R.T. -0.031 min

Lab File: BG061241.D

Acq: 17 May 2024 16:32

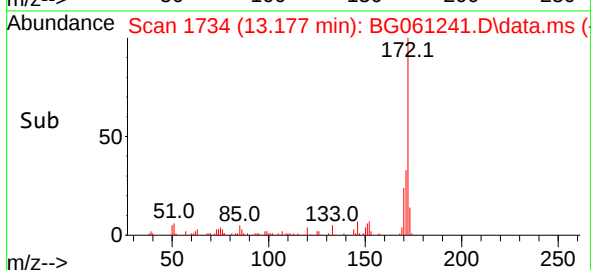
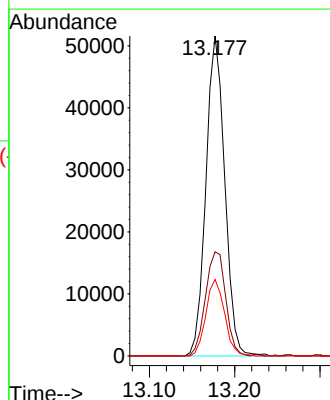
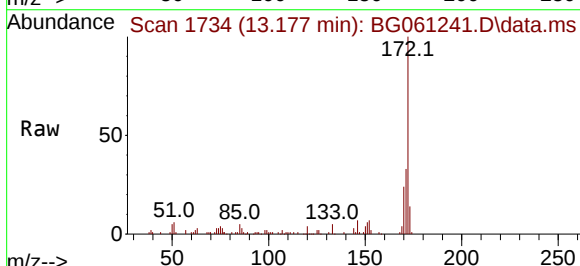
Tgt Ion:172 Resp: 79020

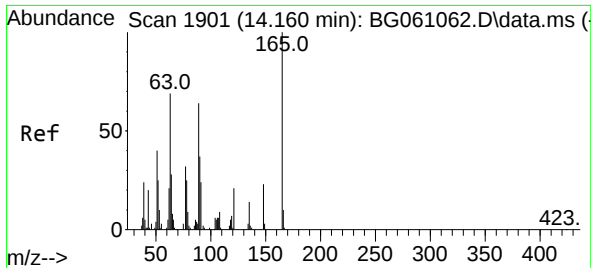
Ion Ratio Lower Upper

172 100

171 32.5 29.0 43.6

170 23.9 20.2 30.4

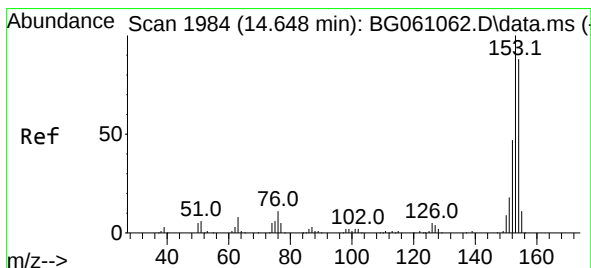
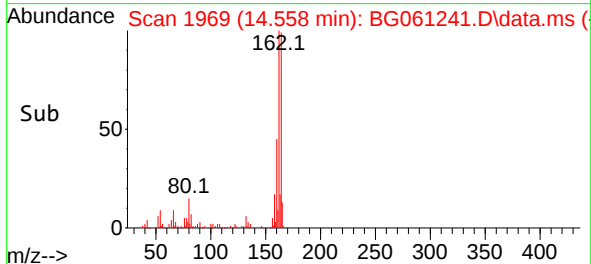
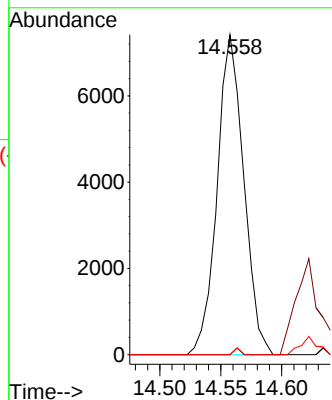
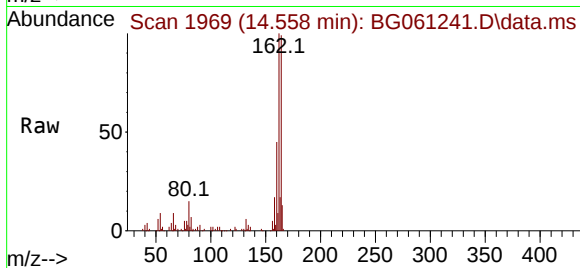




#51
2,6-Dinitrotoluene
Concen: 8.213 ng
RT: 14.558 min Scan# 1901
Delta R.T. 0.398 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

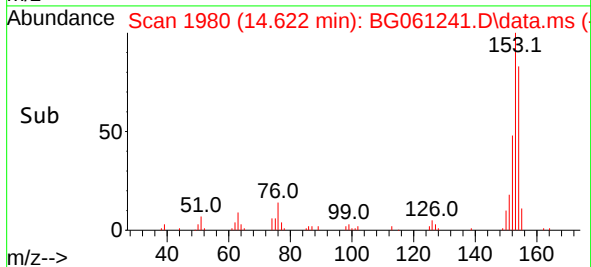
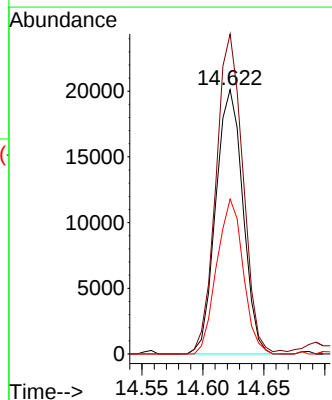
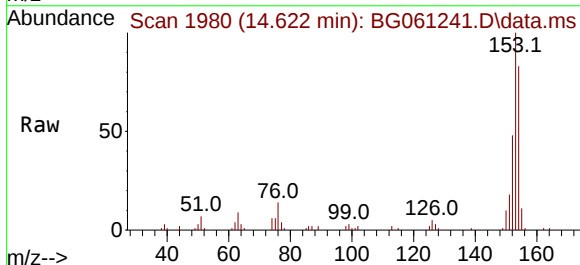
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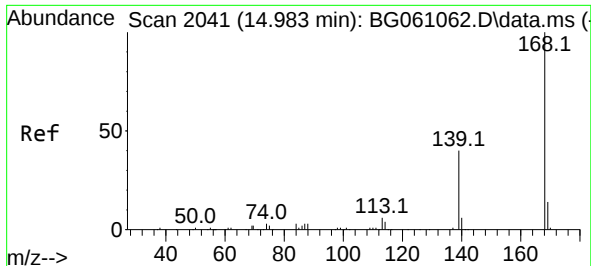
Tgt Ion:165 Resp: 11265
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#



#52
Acenaphthene
Concen: 7.630 ng
RT: 14.622 min Scan# 1980
Delta R.T. -0.025 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

Tgt Ion:154 Resp: 31161
Ion Ratio Lower Upper
154 100
153 121.1 91.0 136.4
152 58.6 43.1 64.7

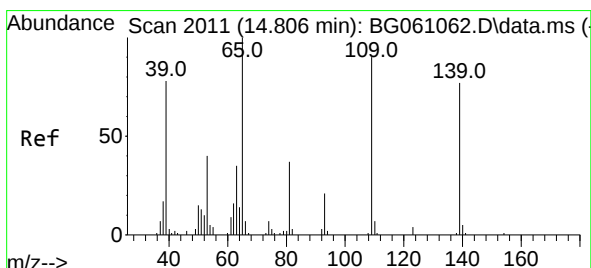
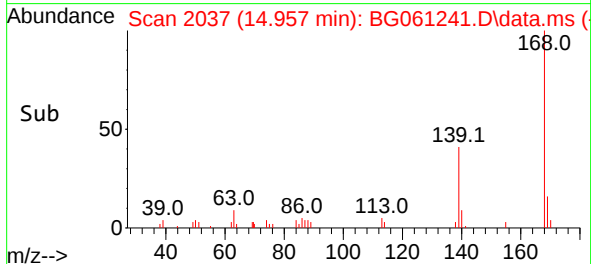
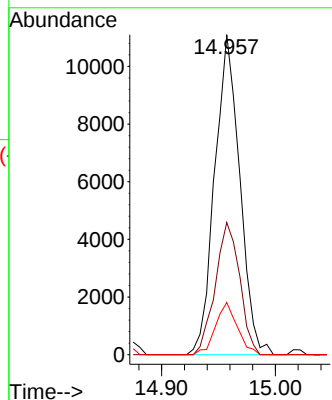
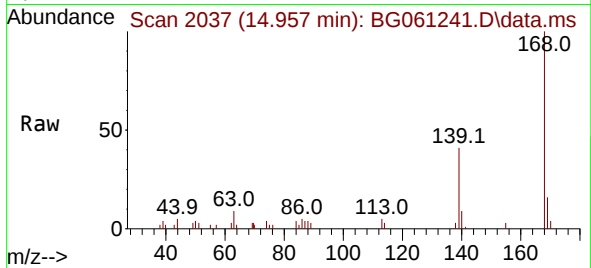




#55
Dibenzenofuran
Concen: 2.460 ng
RT: 14.957 min Scan# 2037
Delta R.T. -0.025 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

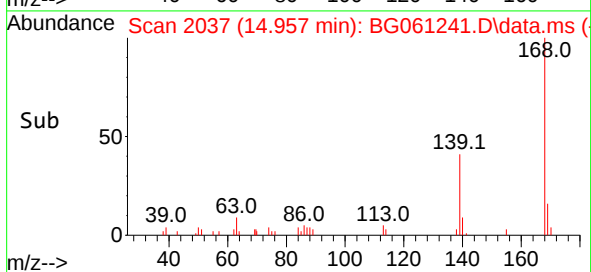
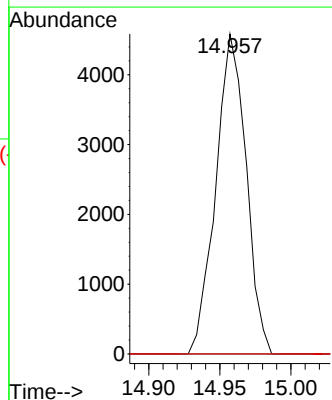
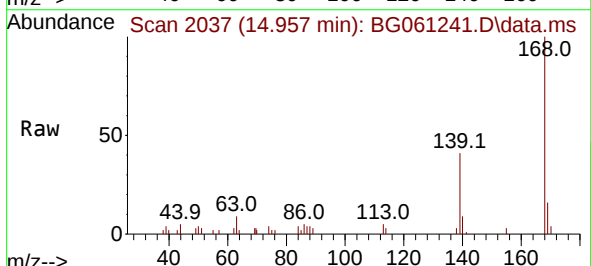
Instrument :
BNA_G
ClientSampleId :
SW-01-229

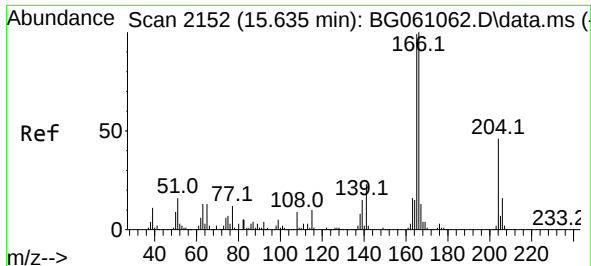
Tgt Ion:168 Resp: 16967
Ion Ratio Lower Upper
168 100
139 41.3 32.2 48.4
169 16.3 11.4 17.2



#56
4-Nitrophenol
Concen: 6.722 ng
RT: 14.957 min Scan# 2037
Delta R.T. 0.151 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

Tgt Ion:139 Resp: 6818
Ion Ratio Lower Upper
139 100
109 0.0 97.7 137.7#
65 0.0 110.7 150.7#

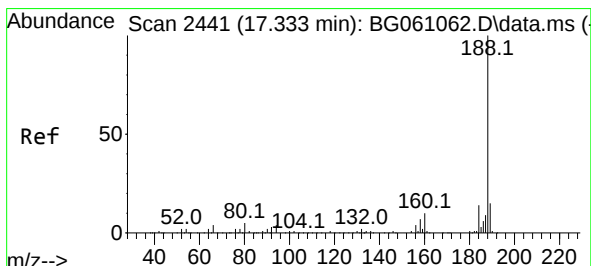
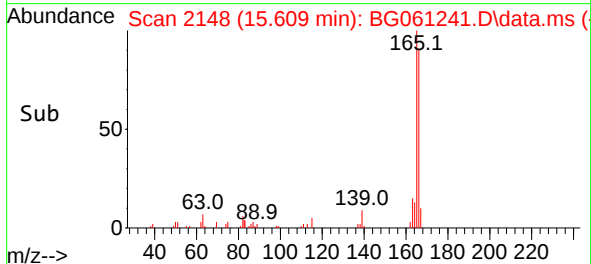
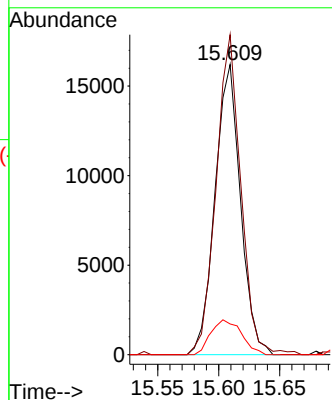
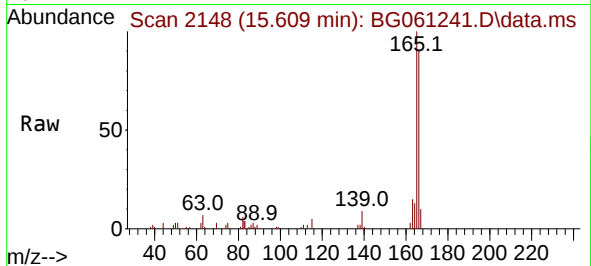




#58
Fluorene
Concen: 3.949 ng
RT: 15.609 min Scan# 2152
Delta R.T. -0.025 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

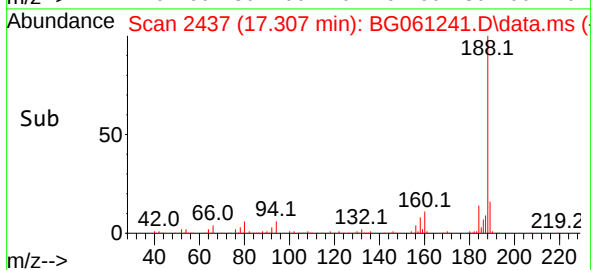
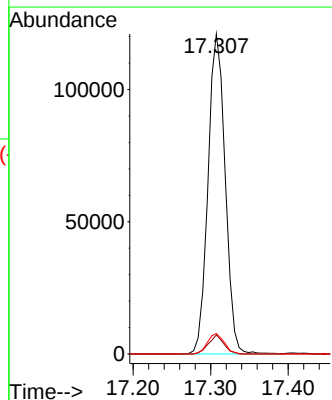
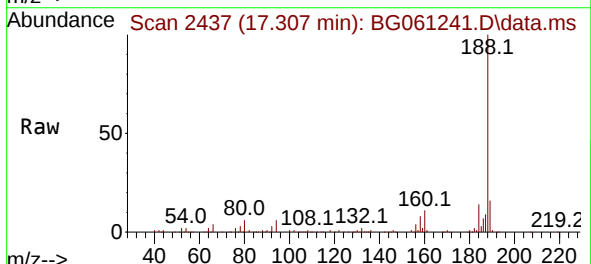
Instrument :
BNA_G
ClientSampleId :
SW-01-229

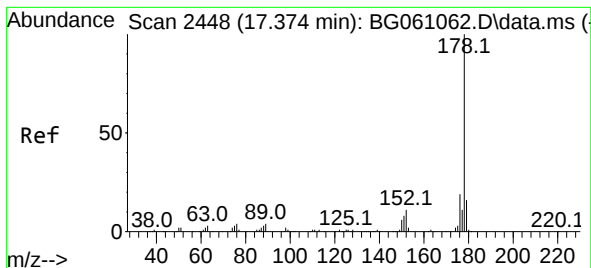
Tgt Ion:166 Resp: 23573
Ion Ratio Lower Upper
166 100
165 110.3 78.9 118.3
167 10.6 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.307 min Scan# 2437
Delta R.T. -0.025 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

Tgt Ion:188 Resp: 186096
Ion Ratio Lower Upper
188 100
94 5.9 3.6 5.4#
80 6.4 4.2 6.2#





#71

Phenanthrene

Concen: 30.956 ng

RT: 17.348 min Scan# 2444

Delta R.T. -0.025 min

Lab File: BG061241.D

Acq: 17 May 2024 16:32

Instrument :

BNA_G

ClientSampleId :

SW-01-229

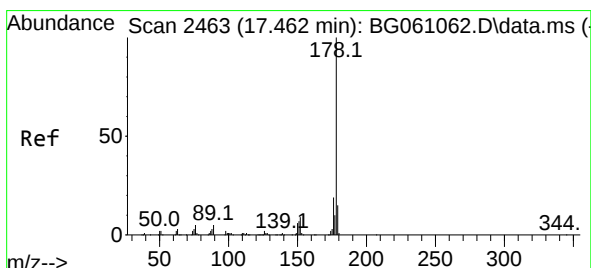
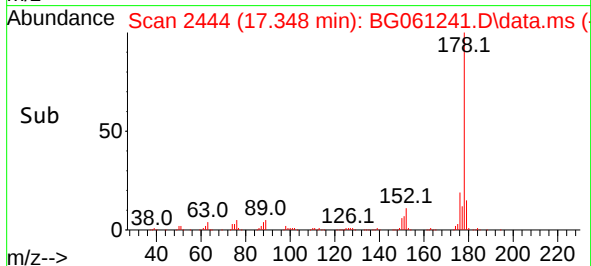
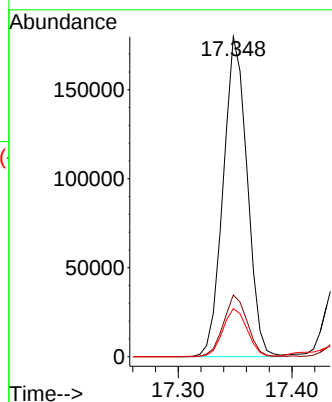
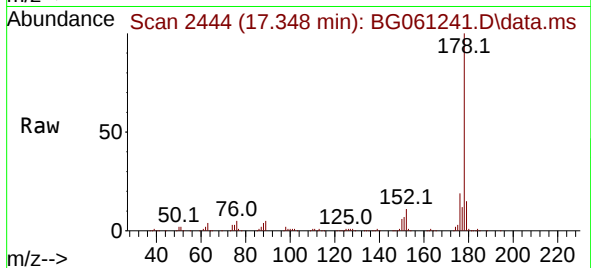
Tgt Ion:178 Resp: 263405

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 15.0 12.6 19.0



#72

Anthracene

Concen: 8.224 ng

RT: 17.442 min Scan# 2460

Delta R.T. -0.020 min

Lab File: BG061241.D

Acq: 17 May 2024 16:32

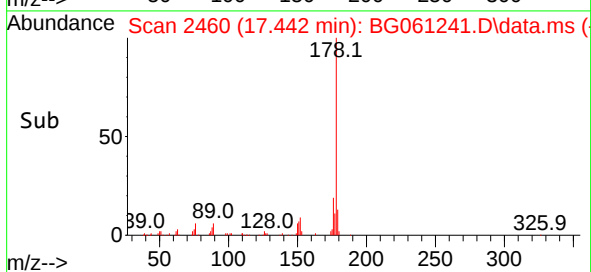
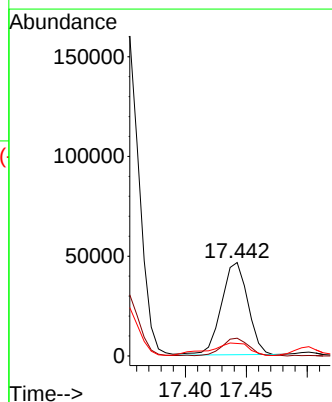
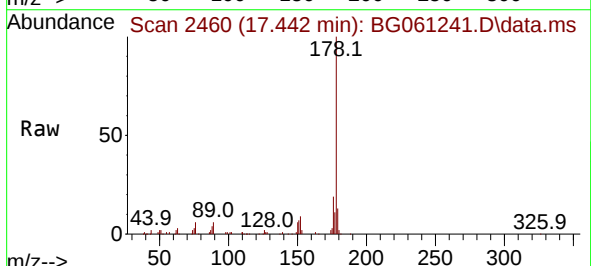
Tgt Ion:178 Resp: 69827

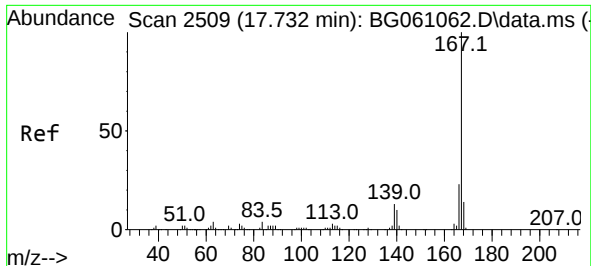
Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.6

179 13.4 12.0 18.0

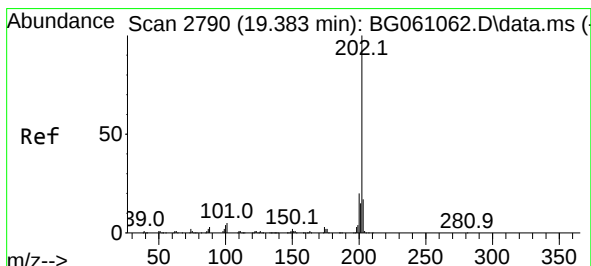
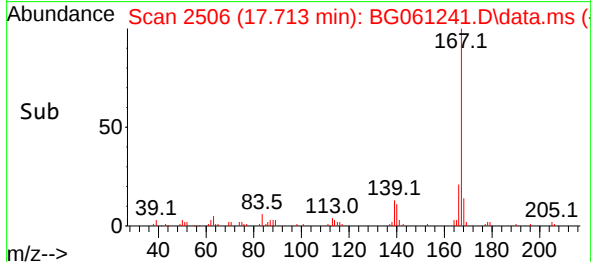
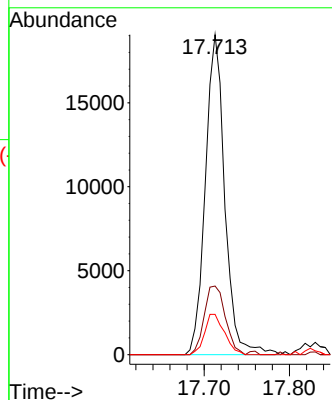
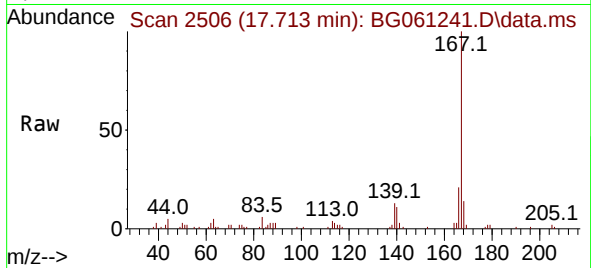




#73
 Carbazole
 Concen: 4.039 ng
 RT: 17.713 min Scan# 2506
 Delta R.T. -0.020 min
 Lab File: BG061241.D
 Acq: 17 May 2024 16:32

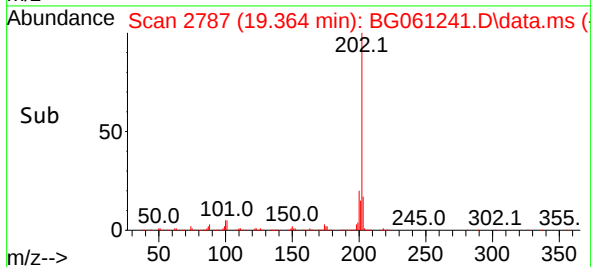
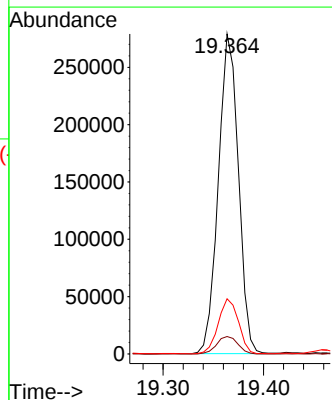
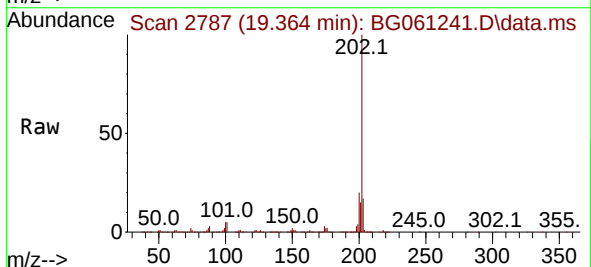
Instrument :
 BNA_G
 ClientSampleId :
 SW-01-229

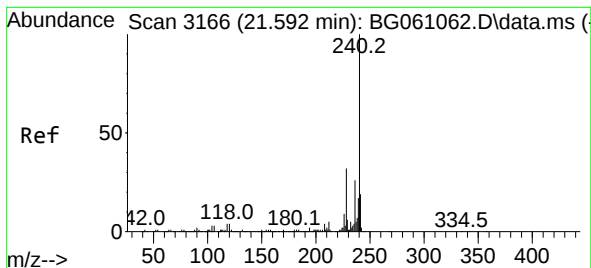
Tgt Ion:167 Resp: 30152
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.7 28.1
 139 12.6 10.6 15.8



#75
 Fluoranthene
 Concen: 33.152 ng
 RT: 19.364 min Scan# 2787
 Delta R.T. -0.020 min
 Lab File: BG061241.D
 Acq: 17 May 2024 16:32

Tgt Ion:202 Resp: 386459
 Ion Ratio Lower Upper
 202 100
 101 5.4 0.0 24.7
 203 17.3 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.567 min Scan# 31

Delta R.T. -0.025 min

Lab File: BG061241.D

Acq: 17 May 2024 16:32

Instrument :

BNA_G

ClientSampleId :

SW-01-229

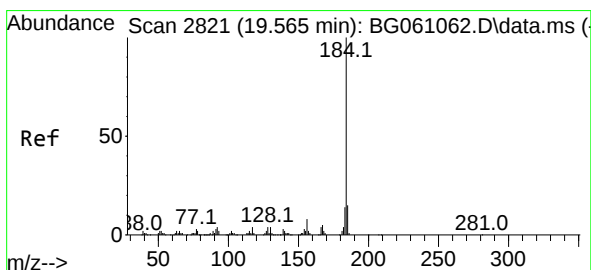
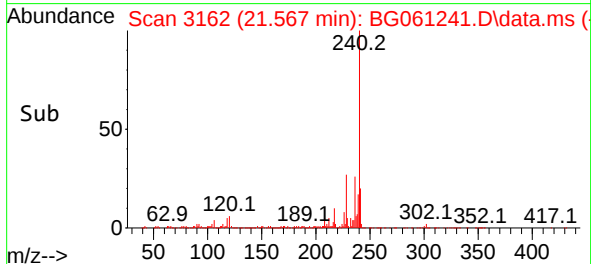
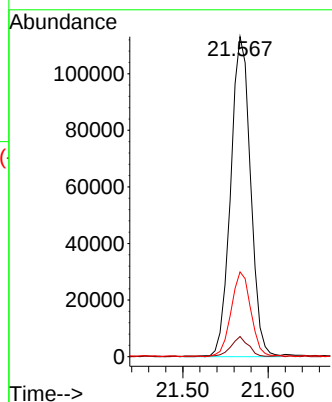
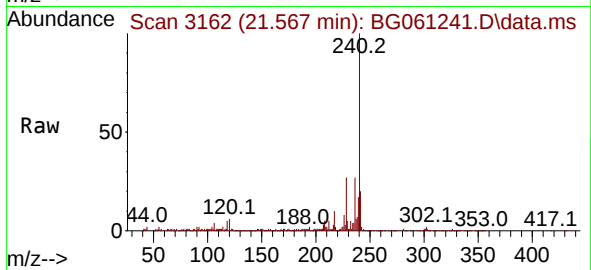
Tgt Ion:240 Resp: 183278

Ion Ratio Lower Upper

240 100

120 6.3 3.2 4.8#

236 26.5 21.0 31.6



#77

Benzidine

Concen: 2.949 ng

RT: 19.552 min Scan# 2819

Delta R.T. -0.013 min

Lab File: BG061241.D

Acq: 17 May 2024 16:32

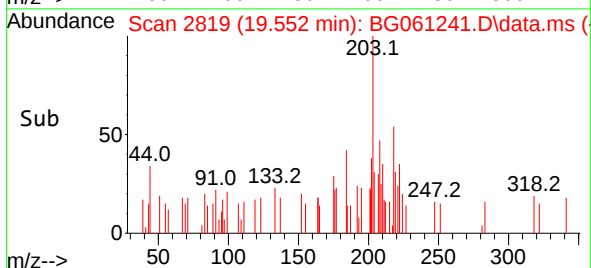
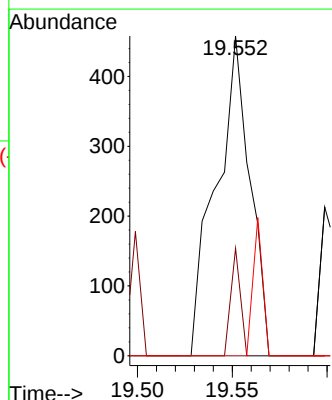
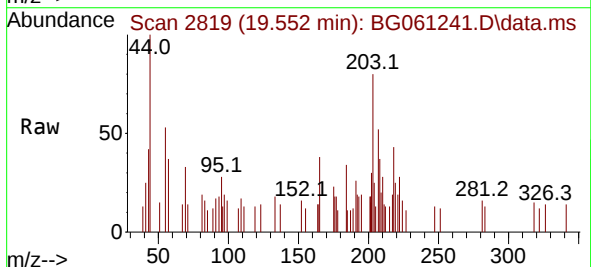
Tgt Ion:184 Resp: 570

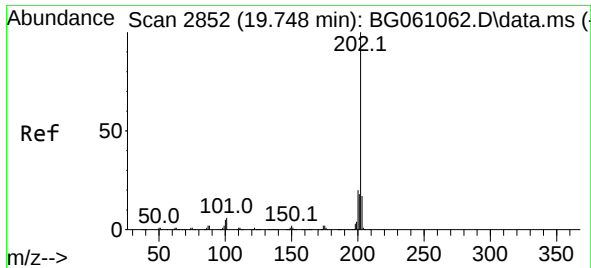
Ion Ratio Lower Upper

184 100

185 33.6 12.0 18.0#

183 0.0 10.9 16.3#

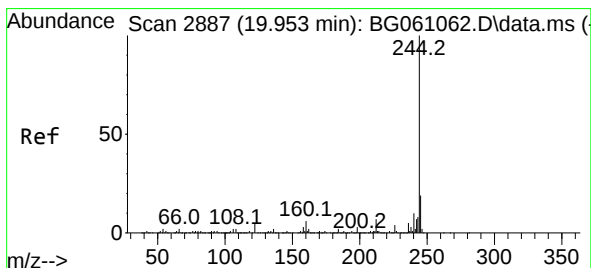
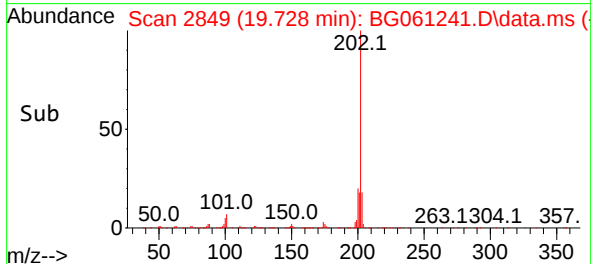
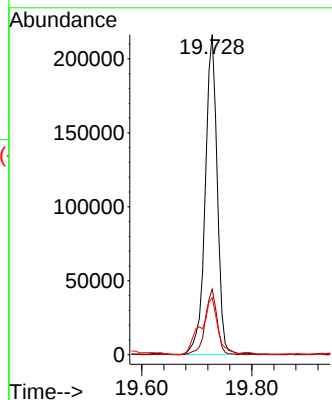
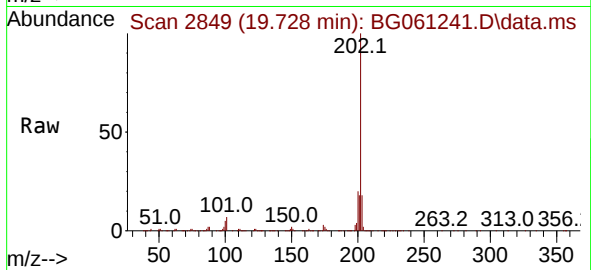




#78
 Pyrene
 Concen: 28.029 ng
 RT: 19.728 min Scan# 2849
 Delta R.T. -0.020 min
 Lab File: BG061241.D
 Acq: 17 May 2024 16:32

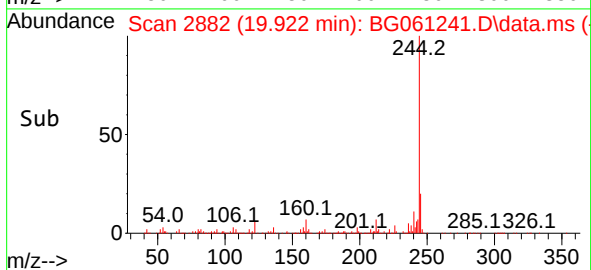
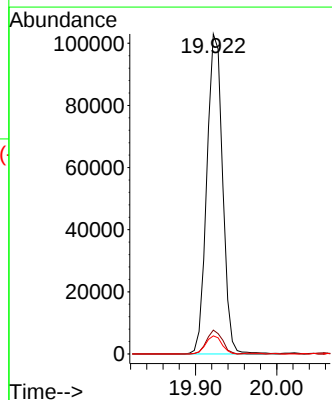
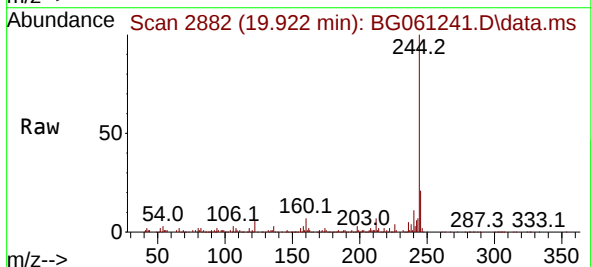
Instrument :
 BNA_G
 ClientSampleId :
 SW-01-229

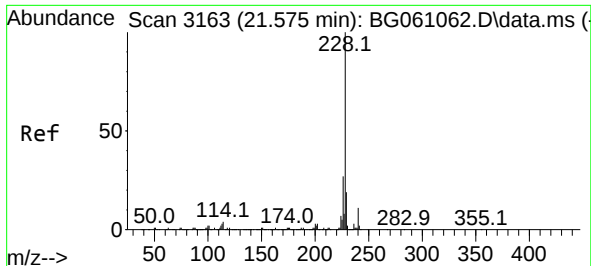
Tgt Ion:202 Resp: 326594
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.2 24.4
 203 17.8 13.3 19.9



#79
 Terphenyl-d14
 Concen: 12.575 ng
 RT: 19.922 min Scan# 2882
 Delta R.T. -0.031 min
 Lab File: BG061241.D
 Acq: 17 May 2024 16:32

Tgt Ion:244 Resp: 138577
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 5.7 4.2 6.2

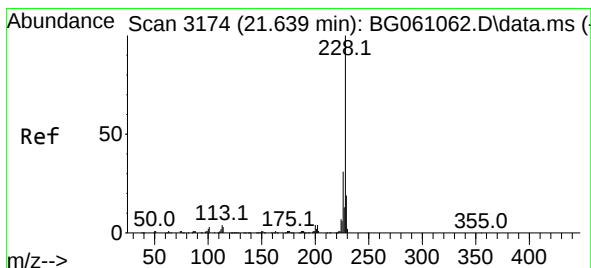
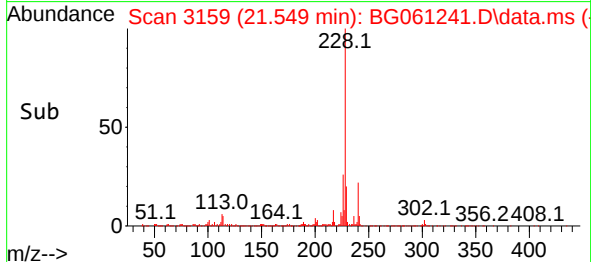
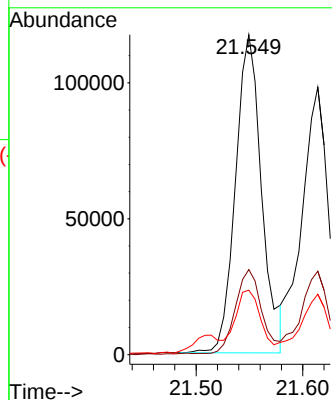
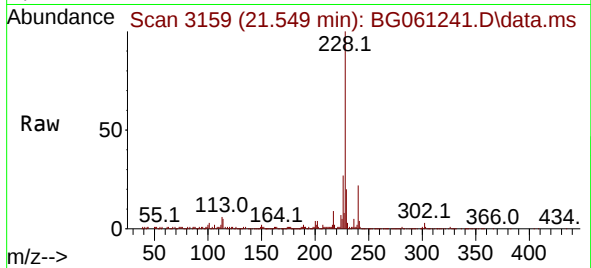




#81
Benzo(a)anthracene
Concen: 16.638 ng
RT: 21.549 min Scan# 3159
Delta R.T. -0.025 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

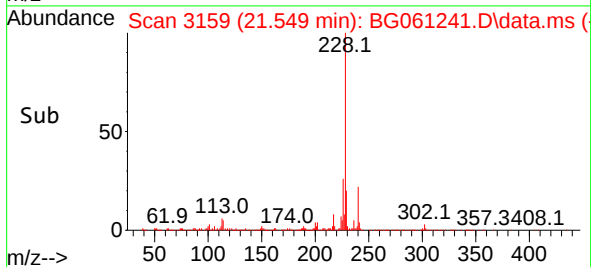
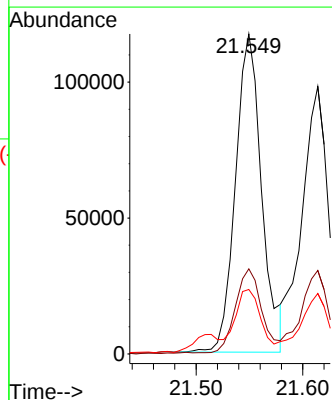
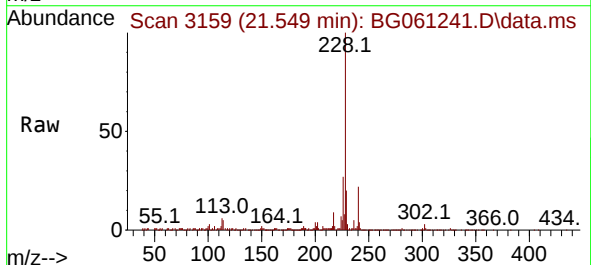
Instrument :
BNA_G
ClientSampleId :
SW-01-229

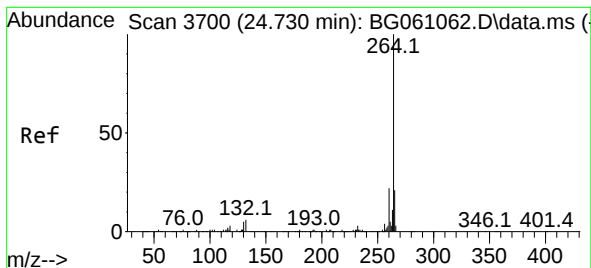
Tgt Ion:228 Resp: 199542
Ion Ratio Lower Upper
228 100
226 26.6 21.6 32.4
229 20.1 15.0 22.4



#83
Chrysene
Concen: 17.758 ng
RT: 21.549 min Scan# 3159
Delta R.T. -0.090 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

Tgt Ion:228 Resp: 199542
Ion Ratio Lower Upper
228 100
226 26.6 24.4 36.6
229 20.1 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.693 min Scan# 3

Delta R.T. -0.037 min

Lab File: BG061241.D

Acq: 17 May 2024 16:32

Instrument :

BNA_G

ClientSampleId :

SW-01-229

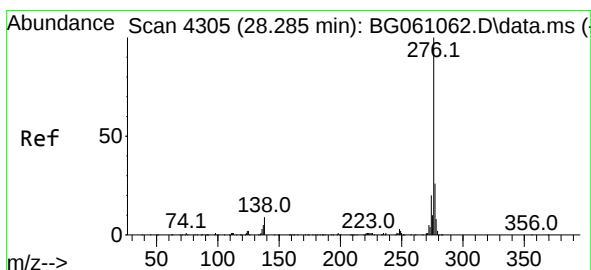
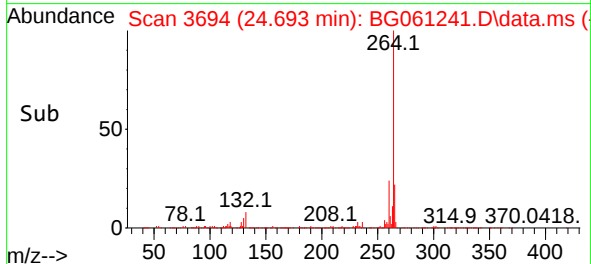
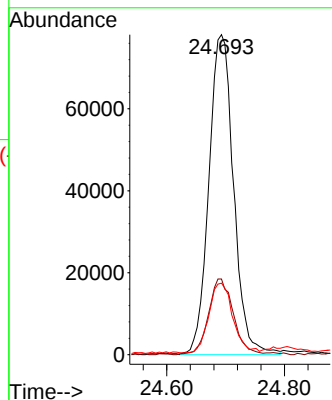
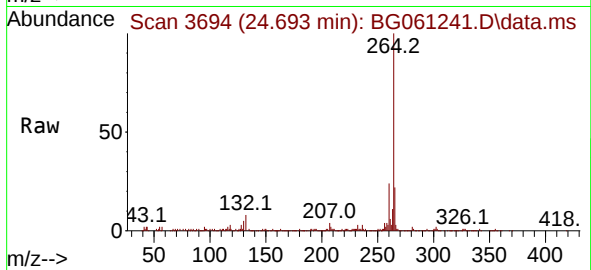
Tgt Ion:264 Resp: 227699

Ion Ratio Lower Upper

264 100

260 23.6 17.7 26.5

265 22.3 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.191 ng

RT: 28.242 min Scan# 4298

Delta R.T. -0.043 min

Lab File: BG061241.D

Acq: 17 May 2024 16:32

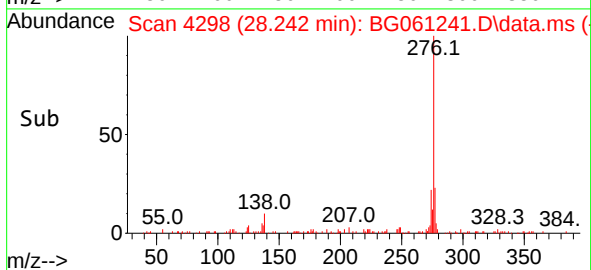
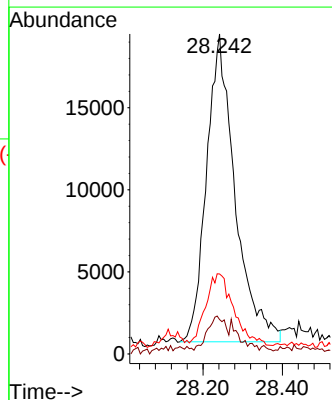
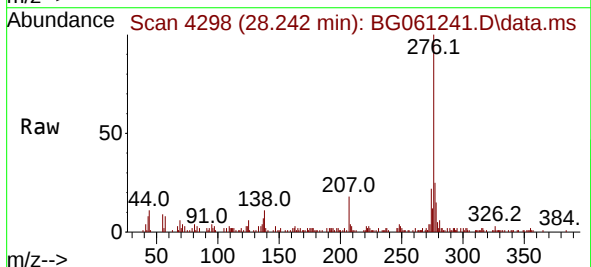
Tgt Ion:276 Resp: 93423

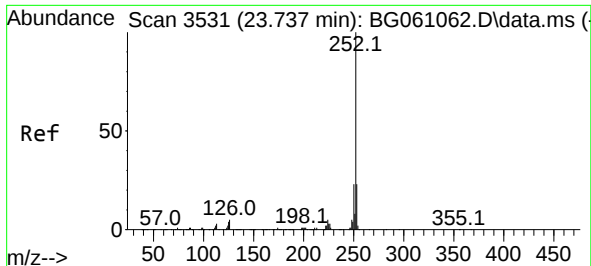
Ion Ratio Lower Upper

276 100

138 7.1 5.1 7.7

277 23.0 20.6 30.8

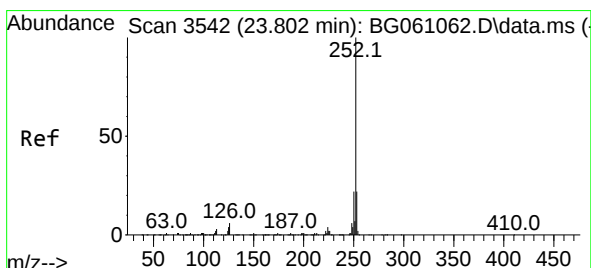
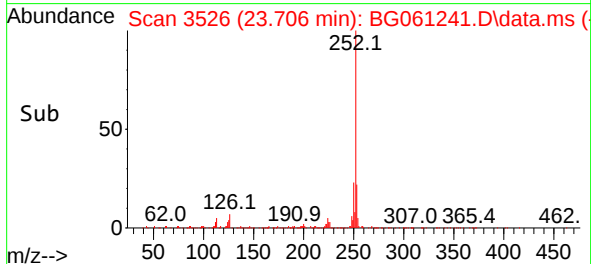
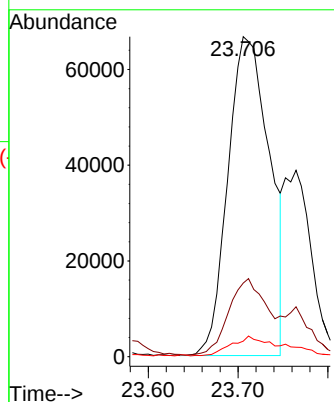
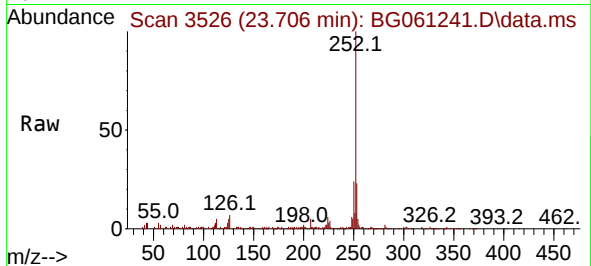




#88
Benzo(b)fluoranthene
Concen: 16.837 ng
RT: 23.706 min Scan# 3526
Delta R.T. -0.031 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

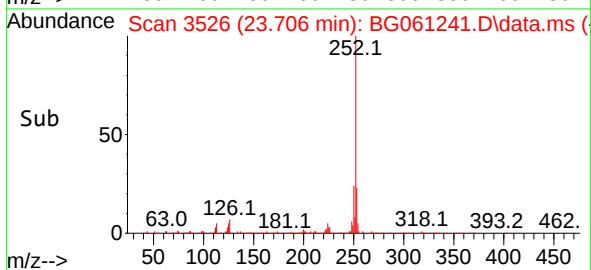
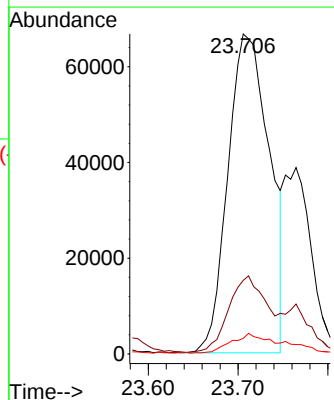
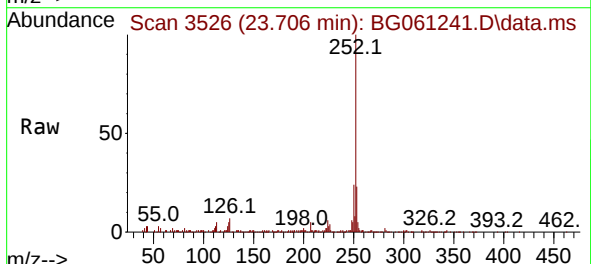
Instrument :
BNA_G
ClientSampleId :
SW-01-229

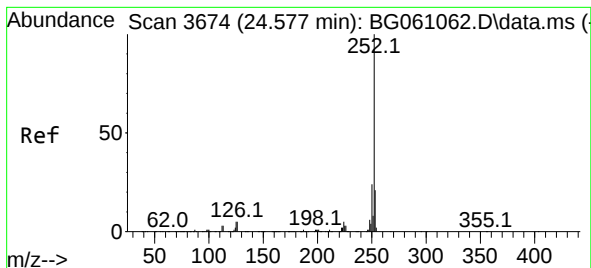
Tgt Ion:252 Resp: 214236
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 4.9 3.4 5.0



#89
Benzo(k)fluoranthene
Concen: 17.502 ng
RT: 23.706 min Scan# 3526
Delta R.T. -0.096 min
Lab File: BG061241.D
Acq: 17 May 2024 16:32

Tgt Ion:252 Resp: 214236
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 4.9 3.2 4.8#





#90

Benzo(a)pyrene

Concen: 14.283 ng

RT: 24.546 min Scan# 3

Delta R.T. -0.031 min

Lab File: BG061241.D

Acq: 17 May 2024 16:32

Instrument :

BNA_G

ClientSampleId :

SW-01-229

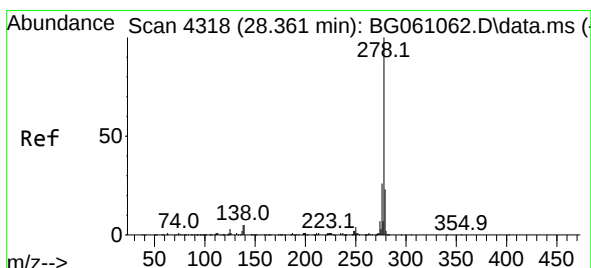
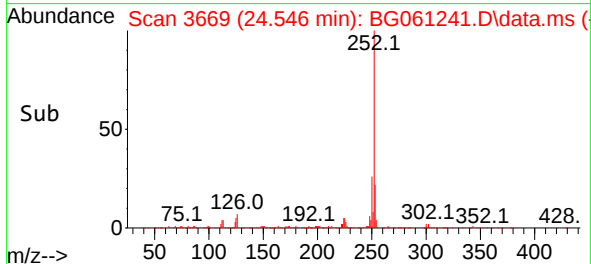
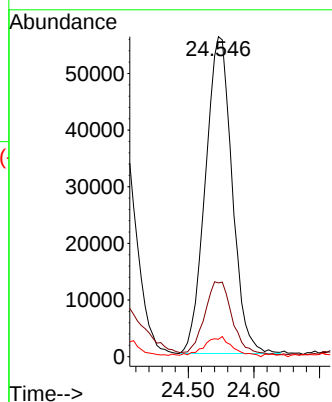
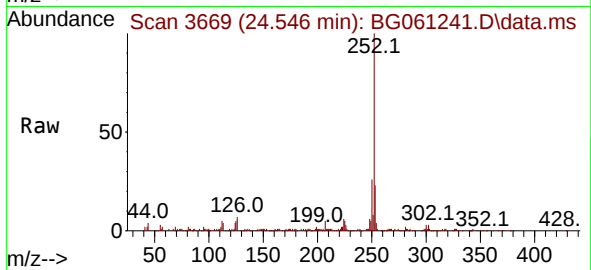
Tgt Ion:252 Resp: 158325

Ion Ratio Lower Upper

252 100

253 23.0 16.9 25.3

125 5.5 3.8 5.8



#91

Dibenzo(a,h)anthracene

Concen: 2.009 ng

RT: 28.277 min Scan# 4304

Delta R.T. -0.084 min

Lab File: BG061241.D

Acq: 17 May 2024 16:32

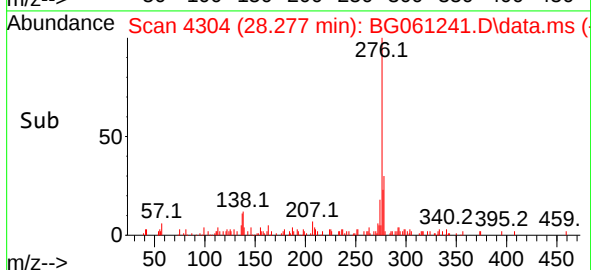
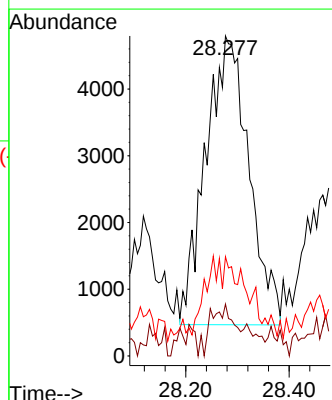
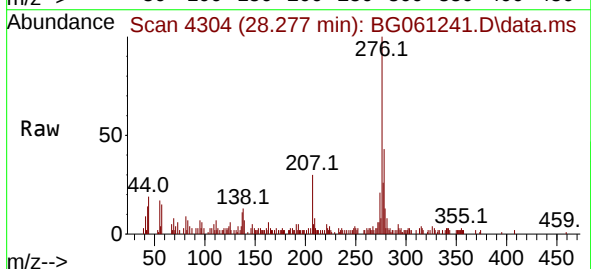
Tgt Ion:278 Resp: 25100

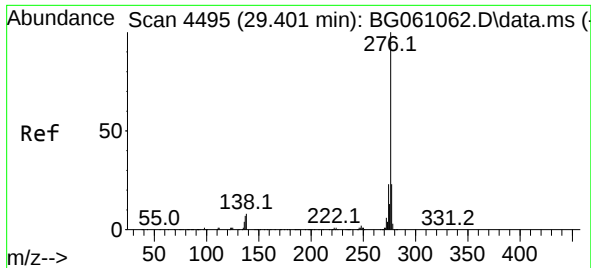
Ion Ratio Lower Upper

278 100

139 16.2 4.2 6.2#

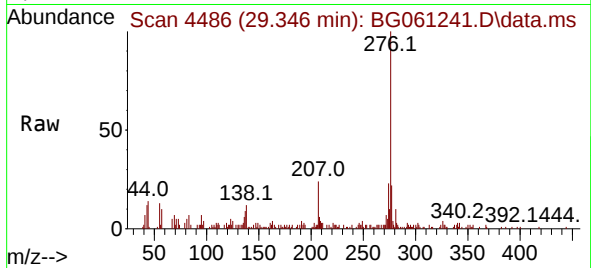
279 31.0 18.0 27.0#





#92
 Benzo(g,h,i)perylene
 Concen: 5.968 ng
 RT: 29.346 min Scan# 44
 Delta R.T. -0.055 min
 Lab File: BG061241.D
 Acq: 17 May 2024 16:32

Instrument :
 BNA_G
 ClientSampleId :
 SW-01-229



Tgt Ion:	276	Resp:	74108
Ion Ratio	Lower	Upper	
276	100		
277	22.3	18.2	27.4
138	11.8	6.2	9.2#

