

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
 Data File : BG061240.D
 Acq On : 17 May 2024 15:51
 Operator : MA/JU
 Sample : P2482-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-01-229

Quant Time: May 17 16:26:59 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)

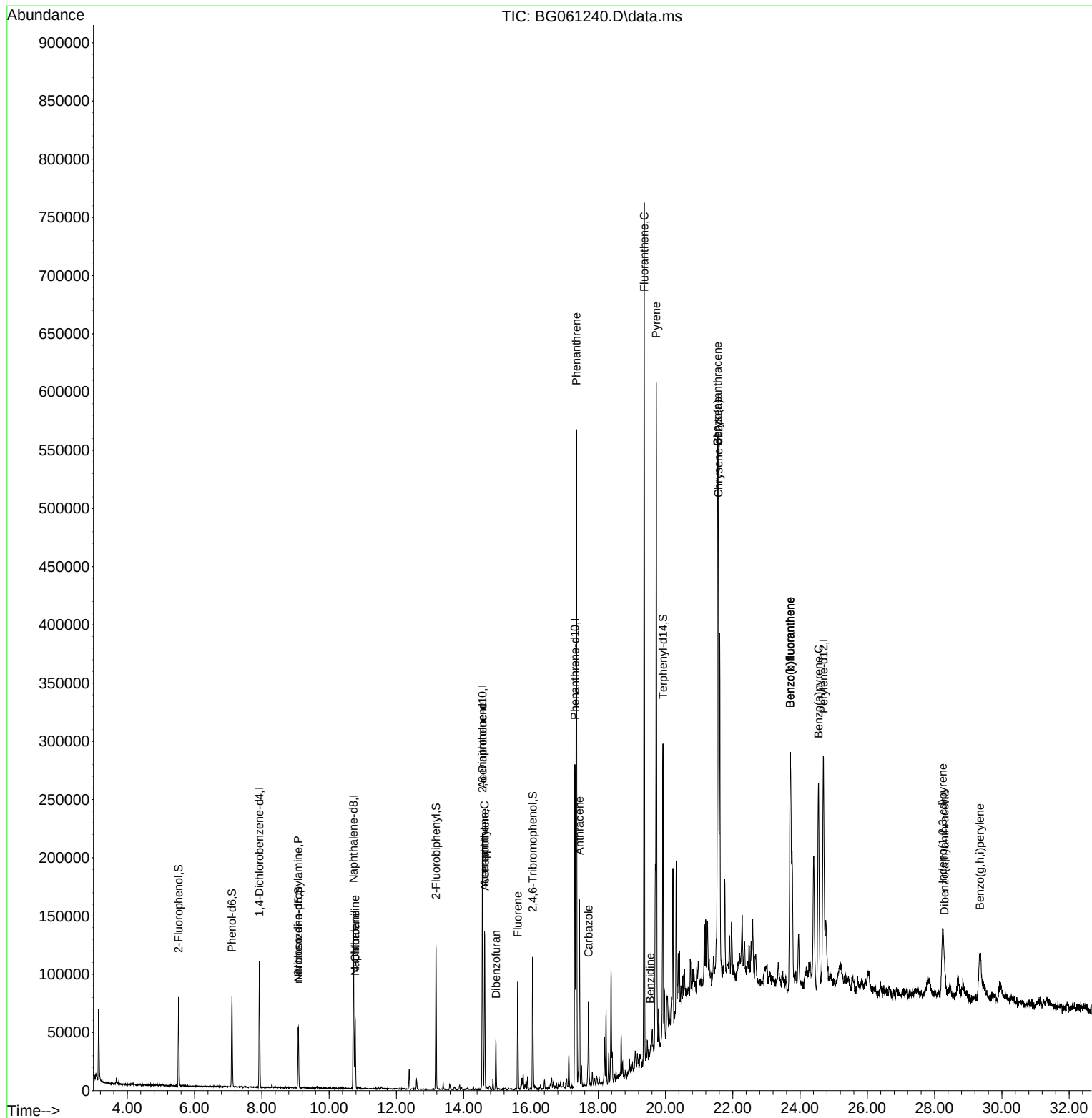
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	27222	20.000	ng	-0.03
21) Naphthalene-d8	10.725	136	104968	20.000	ng	#-0.03
39) Acenaphthene-d10	14.562	164	78874	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	179750	20.000	ng	#-0.03
76) Chrysene-d12	21.571	240	179665	20.000	ng	#-0.02
86) Perylene-d12	24.697	264	224357	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	26663	19.920	ng	-0.02
7) Phenol-d6	7.112	99	36766	18.568	ng	-0.02
23) Nitrobenzene-d5	9.086	82	27485	12.980	ng	-0.03
42) 2,4,6-Tribromophenol	16.054	330	22055	13.989	ng	-0.02
45) 2-Fluorobiphenyl	13.175	172	64008	12.000	ng	-0.03
79) Terphenyl-d14	19.926	244	120801	11.182	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.080	70	3784	2.554	ng	# 61
31) Naphthalene	10.778	128	45935	8.420	ng	97
33) 4-Chloroaniline	10.772	127	6181	2.841	ng	# 32
49) Acenaphthylene	14.627	152	27662	4.447	ng	# 1
51) 2,6-Dinitrotoluene	14.556	165	10773	8.267	ng	# 18
52) Acenaphthene	14.621	154	48469	12.492	ng	97
55) Dibenzofuran	14.962	168	26005	3.968	ng	93
58) Fluorene	15.608	166	38599	6.806	ng	97
71) Phenanthrene	17.353	178	357221	43.463	ng	99
72) Anthracene	17.441	178	100505	12.255	ng	98
73) Carbazole	17.711	167	45652	6.331	ng	96
75) Fluoranthene	19.368	202	481298	42.745	ng	99
77) Benzidine	19.550	184	515	2.937	ng	# 65
78) Pyrene	19.727	202	402412	35.230	ng	99
81) Benzo(a)anthracene	21.548	228	247832	21.080	ng	98
83) Chrysene	21.548	228	247832	22.500	ng	94
87) Indeno(1,2,3-cd)pyrene	28.240	276	119295	8.023	ng	96
88) Benzo(b)fluoranthene	23.710	252	279345	22.281	ng	# 98
89) Benzo(k)fluoranthene	23.710	252	279345	23.161	ng	# 96
90) Benzo(a)pyrene	24.550	252	210743	19.294	ng	96
91) Dibenzo(a,h)anthracene	28.293	278	28621	2.324	ng	# 88
92) Benzo(g,h,i)perylene	29.345	276	112351	9.182	ng	# 93

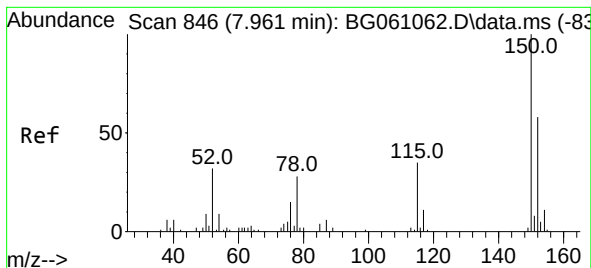
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
Data File : BG061240.D
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
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Quant Time: May 17 16:26:59 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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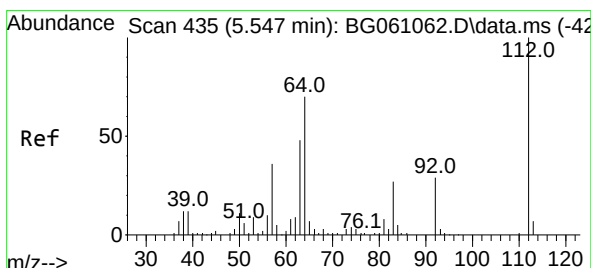
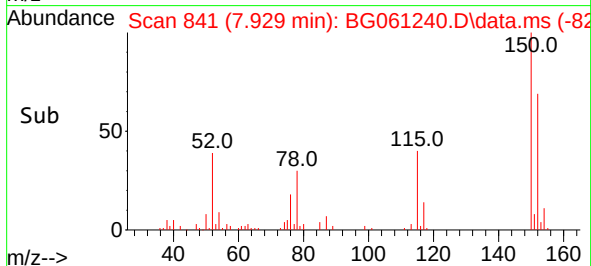
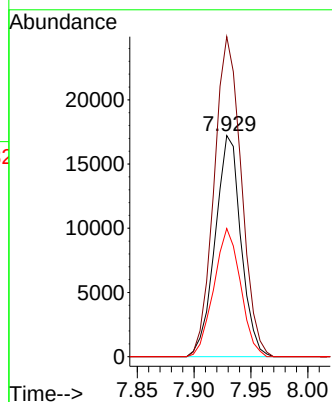
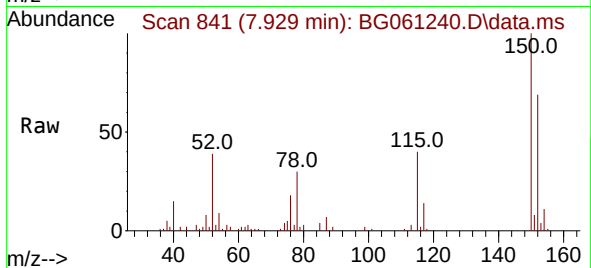




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.929 min Scan# 846
 Delta R.T. -0.032 min
 Lab File: BG061240.D
 Acq: 17 May 2024 15:51

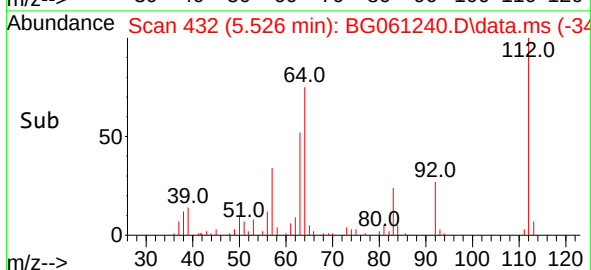
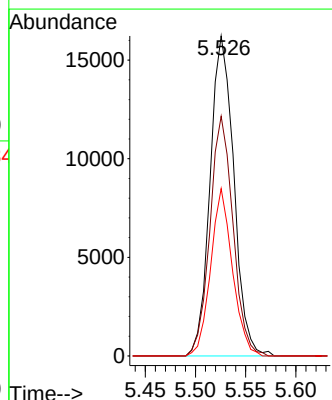
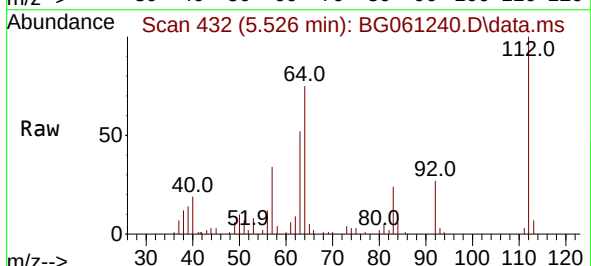
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 ClientSampleId :
 B-01-229

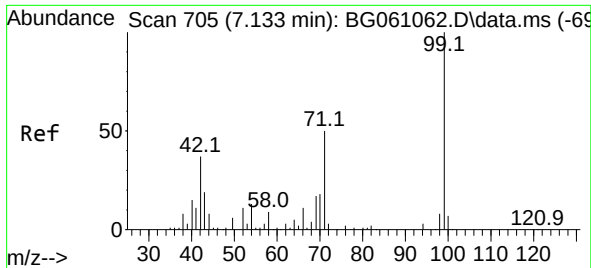
Tgt Ion:152 Resp: 27222
 Ion Ratio Lower Upper
 152 100
 150 144.7 138.3 207.5
 115 58.0 48.0 72.0



#5
 2-Fluorophenol
 Concen: 19.920 ng
 RT: 5.526 min Scan# 432
 Delta R.T. -0.021 min
 Lab File: BG061240.D
 Acq: 17 May 2024 15:51

Tgt Ion:112 Resp: 26663
 Ion Ratio Lower Upper
 112 100
 64 74.9 55.7 83.5
 63 52.3 38.1 57.1

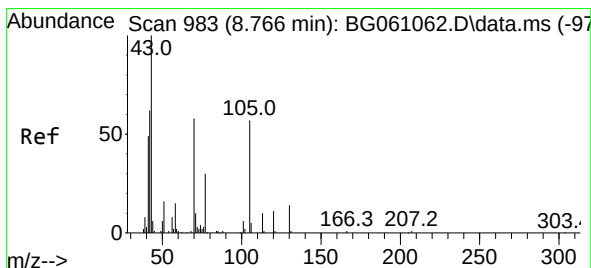
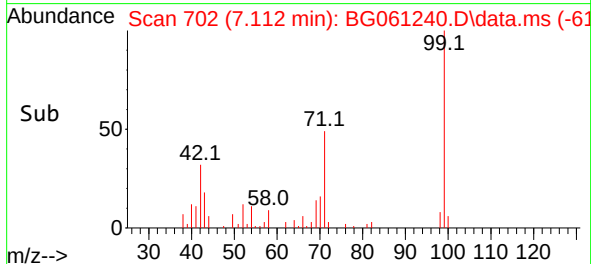
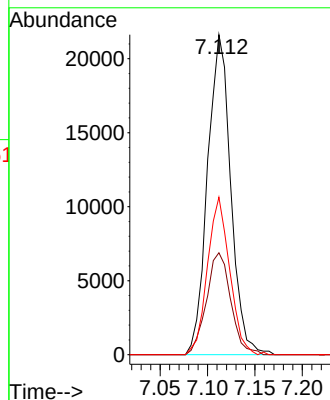
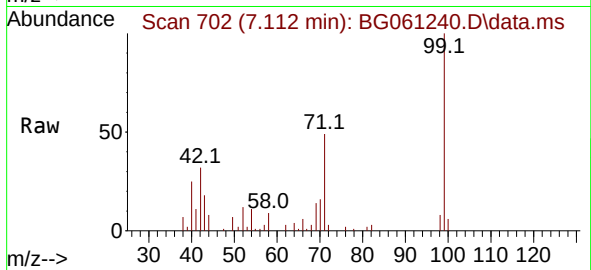




#7
Phenol-d6
Concen: 18.568 ng
RT: 7.112 min Scan# 705
Delta R.T. -0.021 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

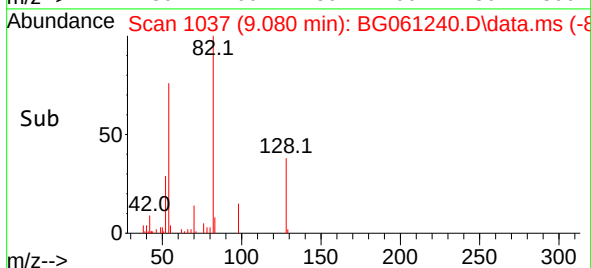
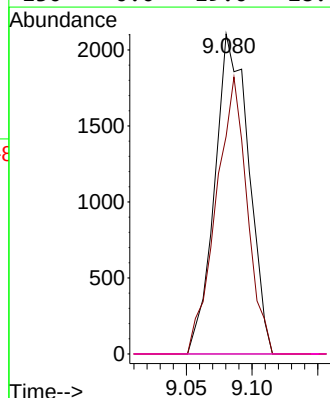
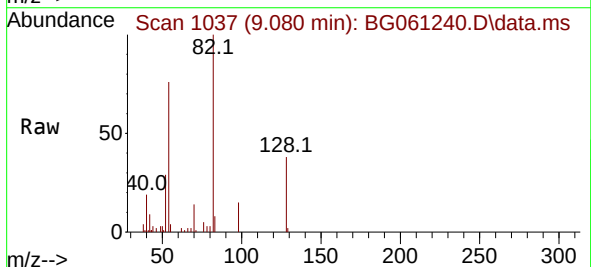
Instrument :
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ClientSampleId :
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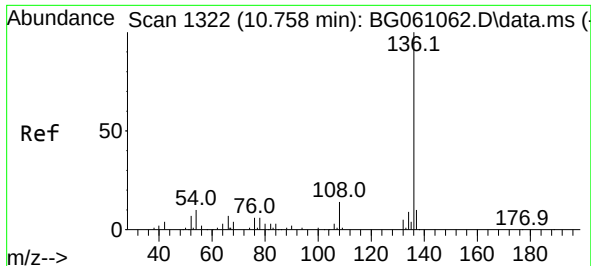
Tgt Ion: 99 Resp: 36766
Ion Ratio Lower Upper
99 100
42 31.9 29.2 43.8
71 49.2 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.554 ng
RT: 9.080 min Scan# 1037
Delta R.T. 0.314 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

Tgt Ion: 70 Resp: 3784
Ion Ratio Lower Upper
70 100
42 68.0 86.4 129.6#
101 0.0 7.8 11.8#
130 0.0 19.0 28.4#

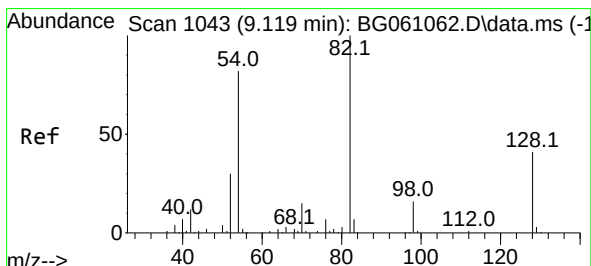
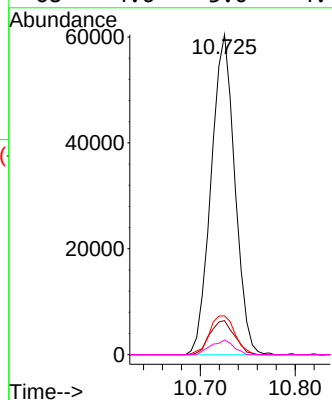
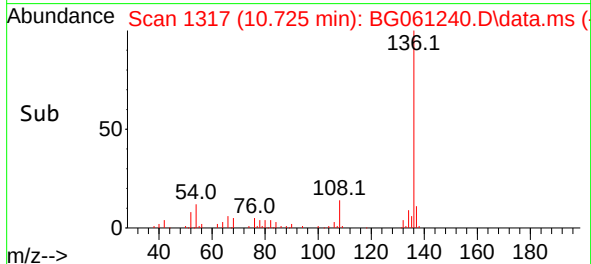
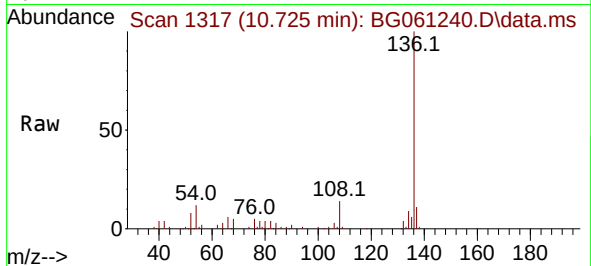




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 11
Delta R.T. -0.033 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

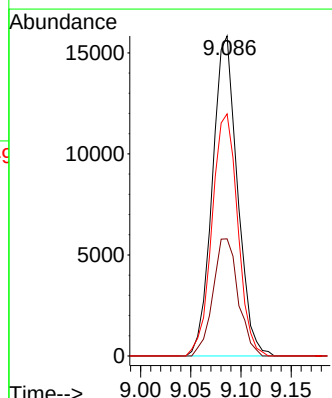
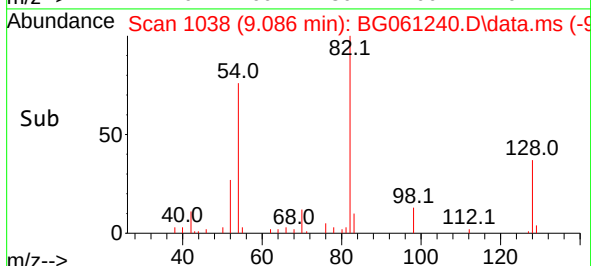
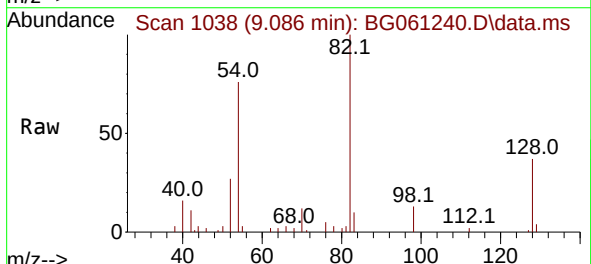
Instrument :
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ClientSampleId :
B-01-229

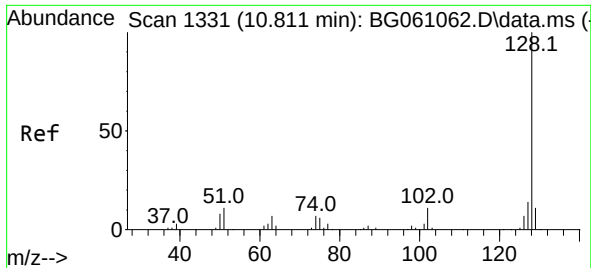
Tgt Ion:136 Resp: 104968
Ion Ratio Lower Upper
136 100
137 10.6 7.8 11.6
54 12.1 8.1 12.1#
68 4.6 3.0 4.4#



#23
Nitrobenzene-d5
Concen: 12.980 ng
RT: 9.086 min Scan# 1038
Delta R.T. -0.033 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

Tgt Ion: 82 Resp: 27485
Ion Ratio Lower Upper
82 100
128 36.6 32.7 49.1
54 75.7 65.6 98.4

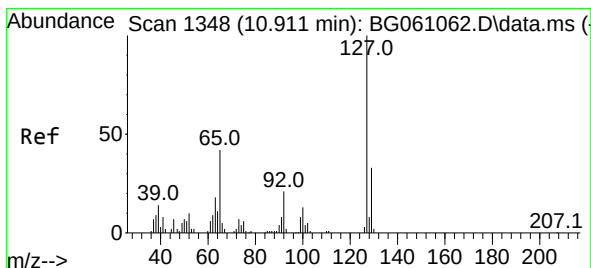
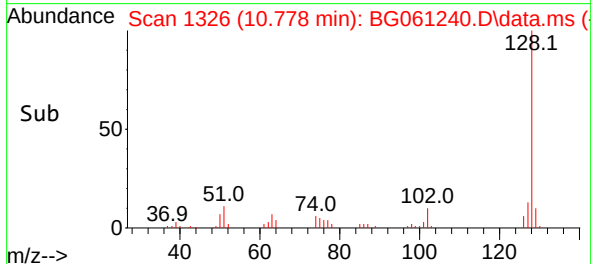
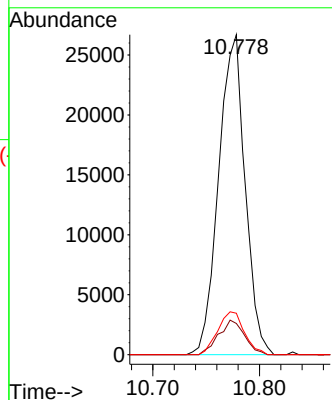
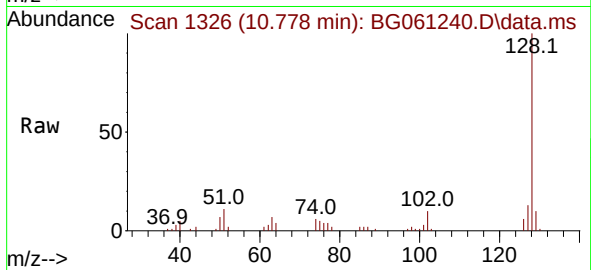




#31
Naphthalene
Concen: 8.420 ng
RT: 10.778 min Scan# 11
Delta R.T. -0.033 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

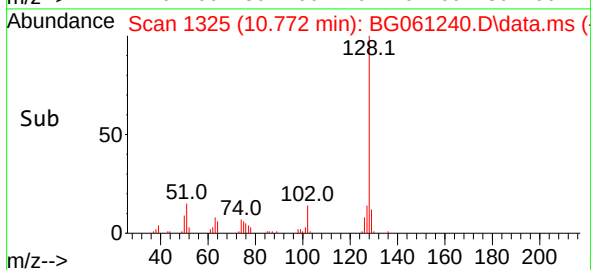
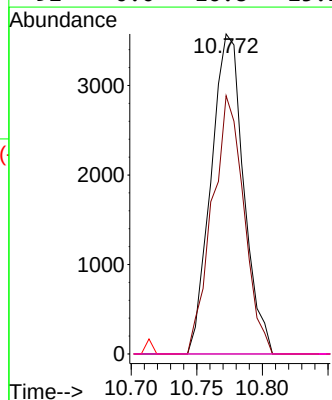
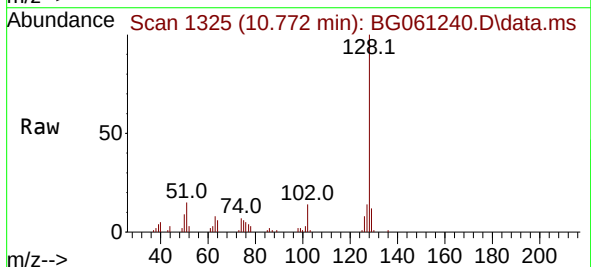
Instrument :
BNA_G
ClientSampleId :
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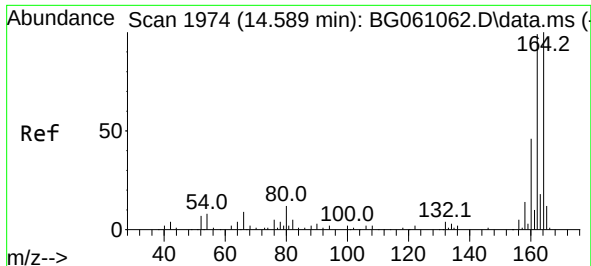
Tgt Ion:128 Resp: 45935
Ion Ratio Lower Upper
128 100
129 9.7 8.9 13.3
127 12.9 11.1 16.7



#33
4-Chloroaniline
Concen: 2.841 ng
RT: 10.772 min Scan# 1325
Delta R.T. -0.138 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

Tgt Ion:127 Resp: 6181
Ion Ratio Lower Upper
127 100
129 80.7 26.6 39.8#
65 0.0 33.6 50.4#
92 0.0 16.8 25.2#

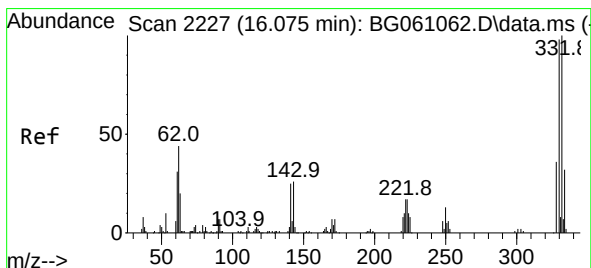
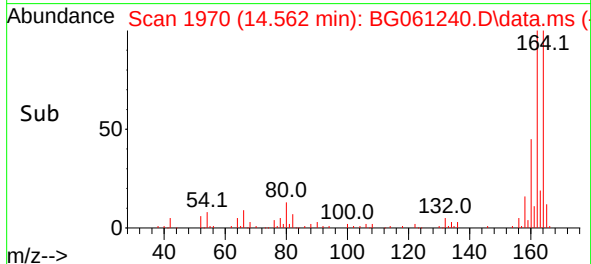
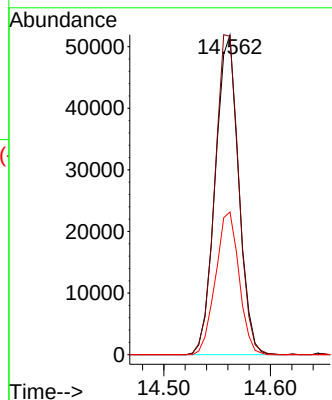
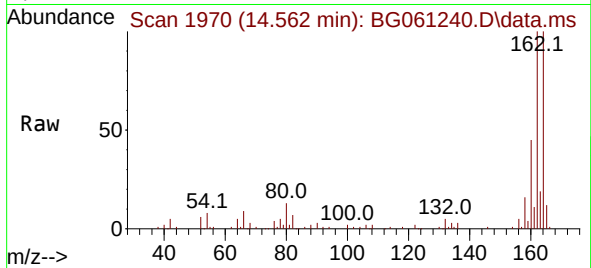




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1974
Delta R.T. -0.027 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

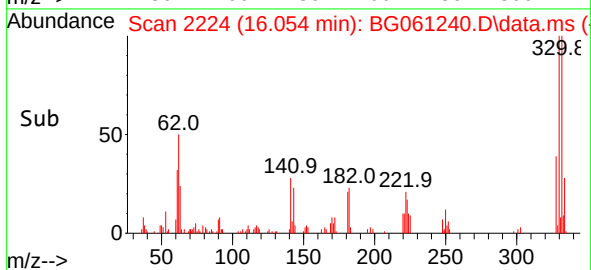
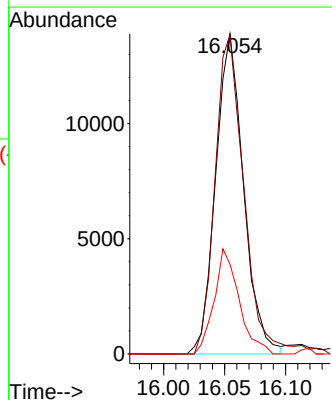
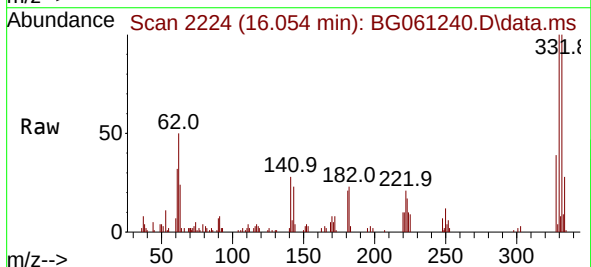
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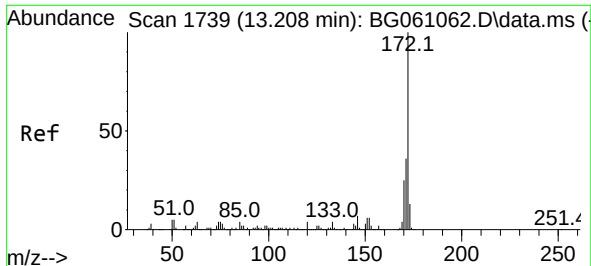
Tgt Ion:164 Resp: 78874
Ion Ratio Lower Upper
164 100
162 99.6 79.4 119.2
160 44.6 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 13.989 ng
RT: 16.054 min Scan# 2224
Delta R.T. -0.021 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

Tgt Ion:330 Resp: 22055
Ion Ratio Lower Upper
330 100
332 103.8 78.6 117.8
141 29.4 20.5 30.7

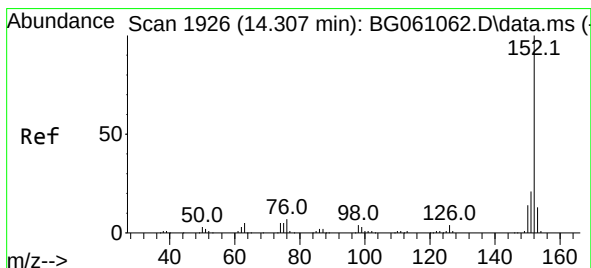
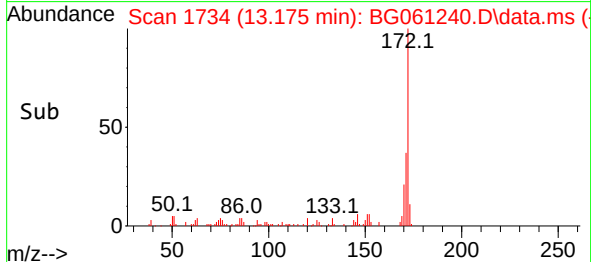
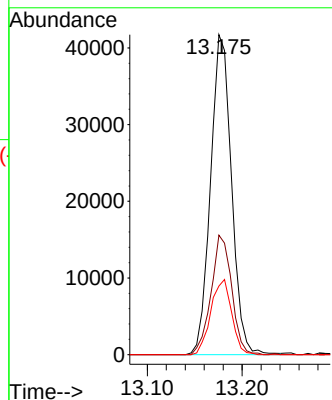
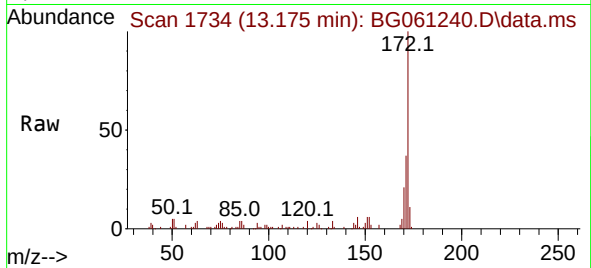




#45
2-Fluorobiphenyl
Concen: 12.000 ng
RT: 13.175 min Scan# 11
Delta R.T. -0.033 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

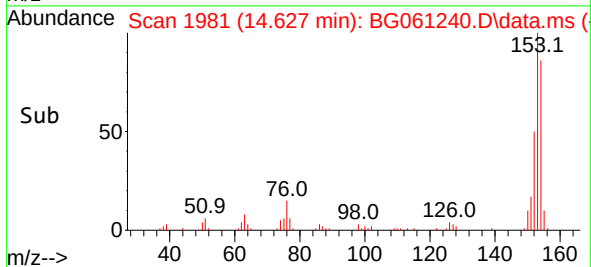
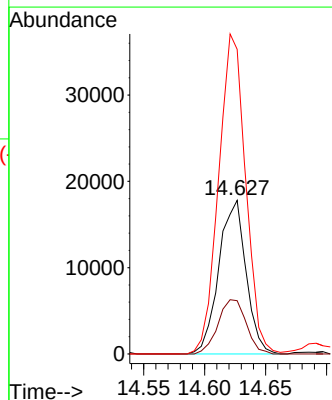
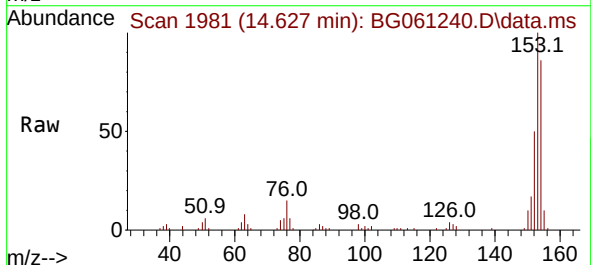
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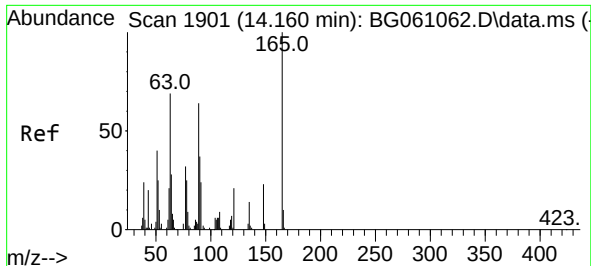
Tgt Ion:172 Resp: 64008
Ion Ratio Lower Upper
172 100
171 37.3 29.0 43.6
170 21.5 20.2 30.4



#49
Acenaphthylene
Concen: 4.447 ng
RT: 14.627 min Scan# 1981
Delta R.T. 0.320 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

Tgt Ion:152 Resp: 27662
Ion Ratio Lower Upper
152 100
151 34.7 16.9 25.3#
153 198.3 10.6 15.8#

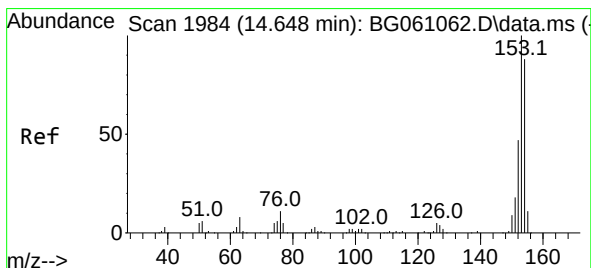
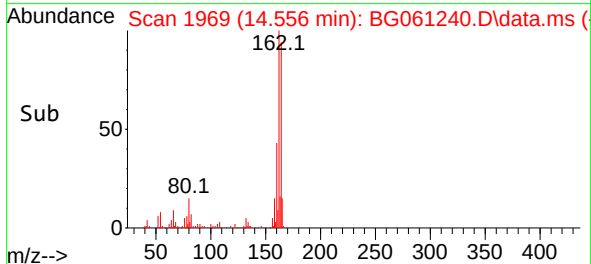
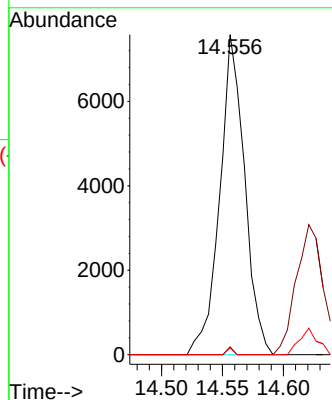
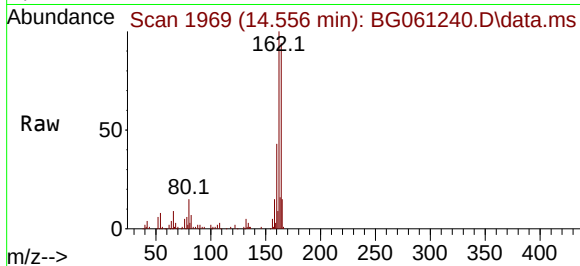




#51
2,6-Dinitrotoluene
Concen: 8.267 ng
RT: 14.556 min Scan# 1901
Delta R.T. 0.396 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

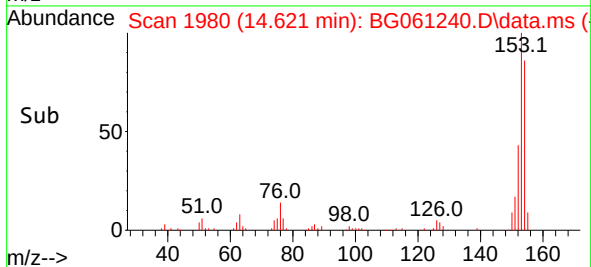
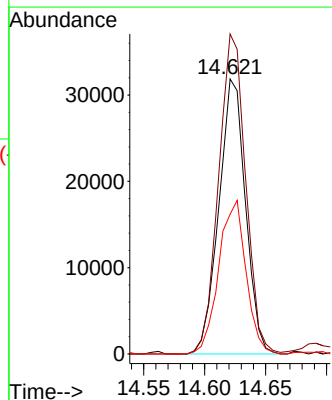
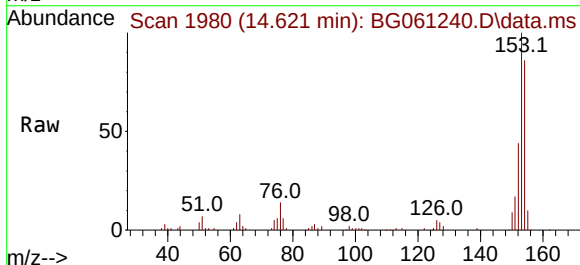
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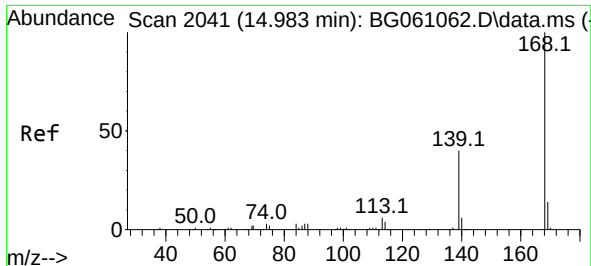
Tgt Ion:165 Resp: 10773
Ion Ratio Lower Upper
165 100
63 2.5 60.0 90.0#
89 2.2 50.9 76.3#



#52
Acenaphthene
Concen: 12.492 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.027 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

Tgt Ion:154 Resp: 48469
Ion Ratio Lower Upper
154 100
153 116.3 91.0 136.4
152 50.8 43.1 64.7

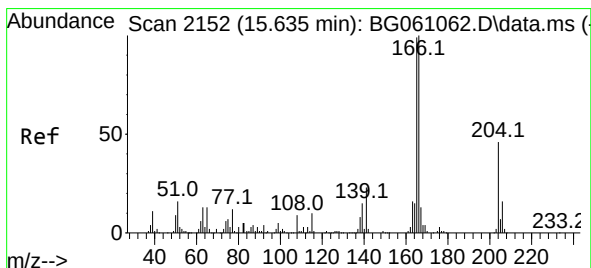
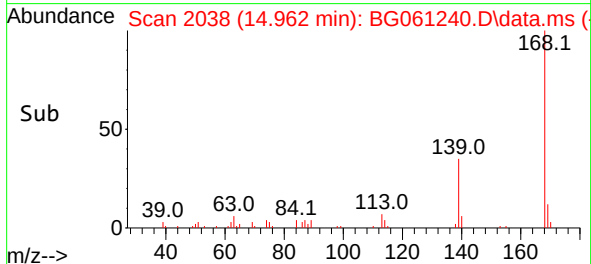
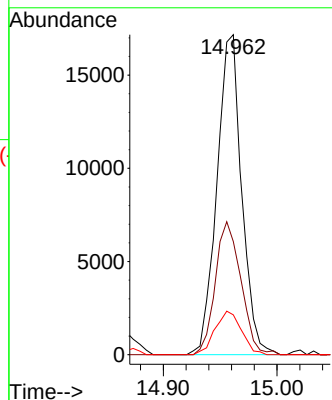
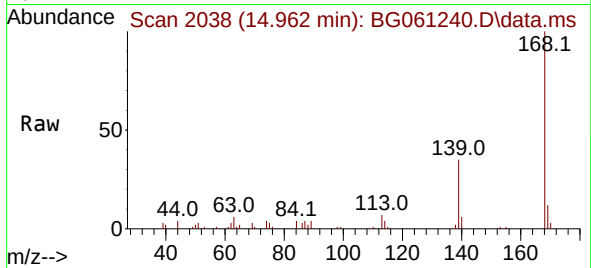




#55
Dibenzenofuran
Concen: 3.968 ng
RT: 14.962 min Scan# 2041
Delta R.T. -0.021 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

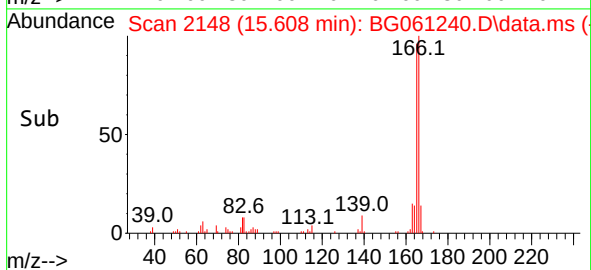
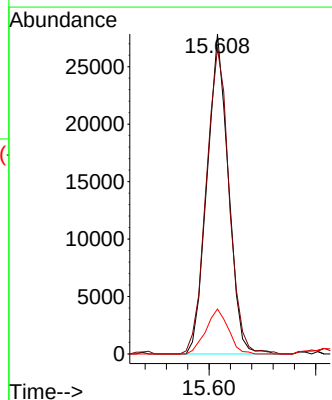
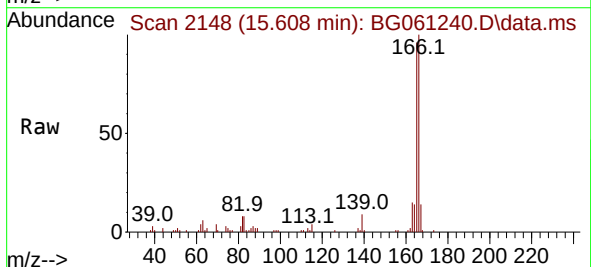
Instrument :
BNA_G
ClientSampleId :
B-01-229

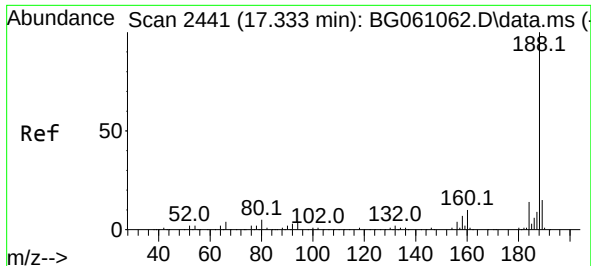
Tgt Ion:168 Resp: 26005
Ion Ratio Lower Upper
168 100
139 35.4 32.2 48.4
169 12.4 11.4 17.2



#58
Fluorene
Concen: 6.806 ng
RT: 15.608 min Scan# 2148
Delta R.T. -0.027 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

Tgt Ion:166 Resp: 38599
Ion Ratio Lower Upper
166 100
165 95.6 78.9 118.3
167 14.1 10.6 15.8

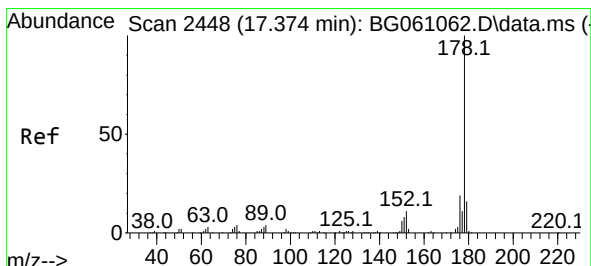
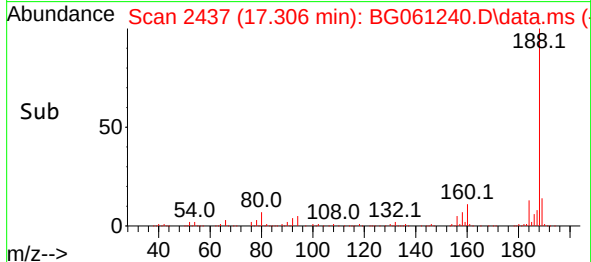
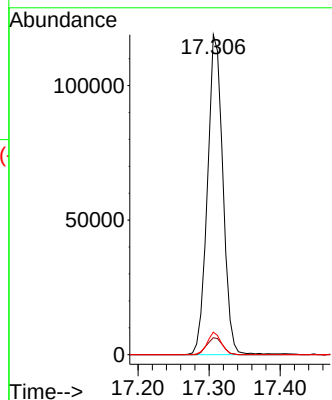
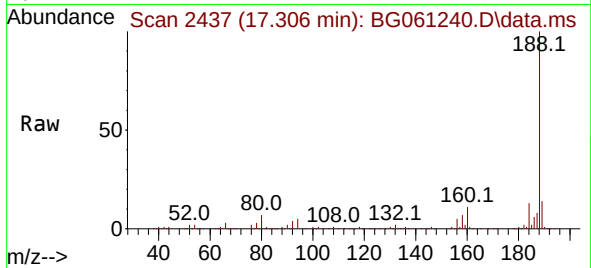




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2437
Delta R.T. -0.027 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

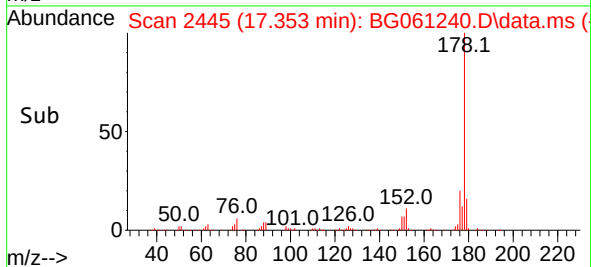
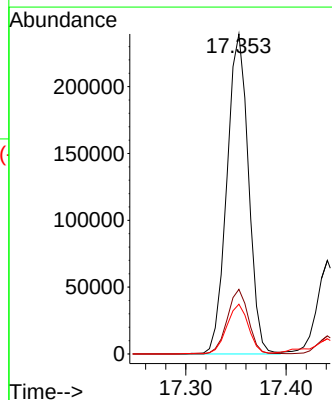
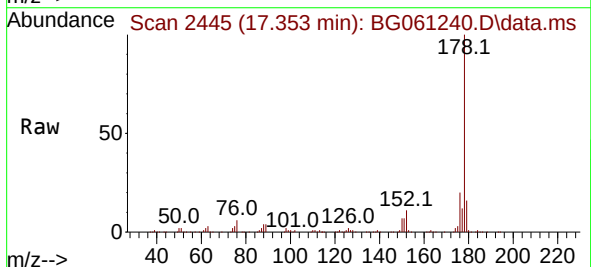
Instrument :
BNA_G
ClientSampleId :
B-01-229

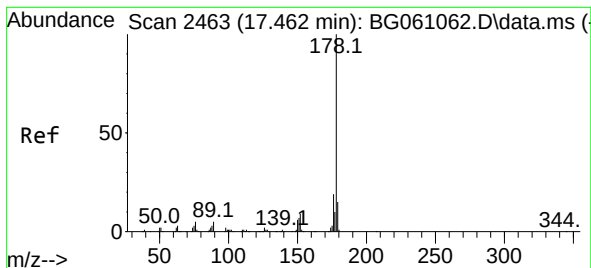
Tgt Ion:188 Resp: 179750
Ion Ratio Lower Upper
188 100
94 5.3 3.6 5.4
80 7.0 4.2 6.2#



#71
Phenanthrene
Concen: 43.463 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.021 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

Tgt Ion:178 Resp: 357221
Ion Ratio Lower Upper
178 100
176 20.2 15.5 23.3
179 15.5 12.6 19.0





#72

Anthracene

Concen: 12.255 ng

RT: 17.441 min Scan# 24

Delta R.T. -0.021 min

Lab File: BG061240.D

Acq: 17 May 2024 15:51

Instrument :

BNA_G

ClientSampleId :

B-01-229

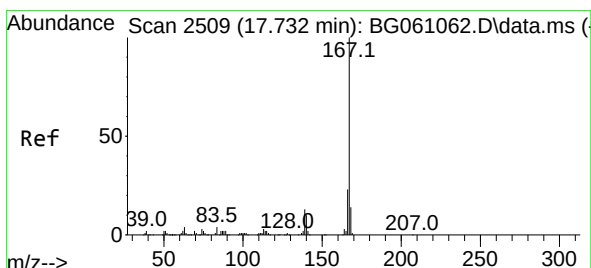
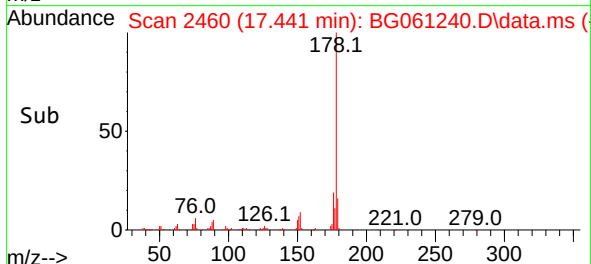
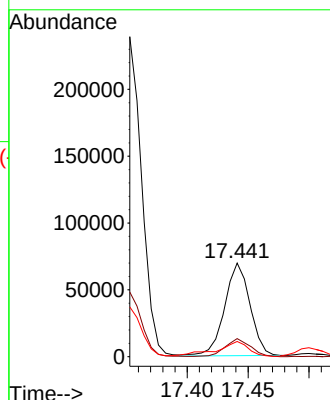
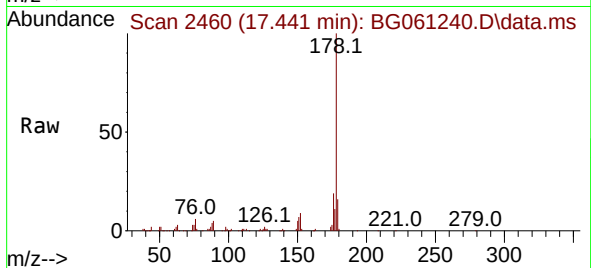
Tgt Ion:178 Resp: 100505

Ion Ratio Lower Upper

178 100

176 19.3 15.0 22.6

179 16.3 12.0 18.0



#73

Carbazole

Concen: 6.331 ng

RT: 17.711 min Scan# 2506

Delta R.T. -0.021 min

Lab File: BG061240.D

Acq: 17 May 2024 15:51

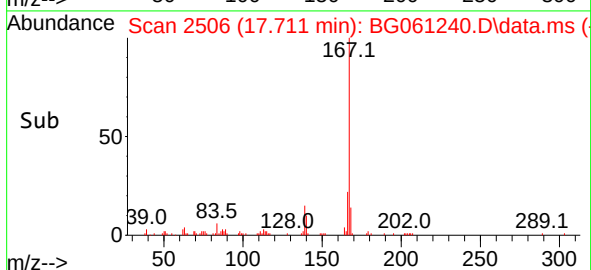
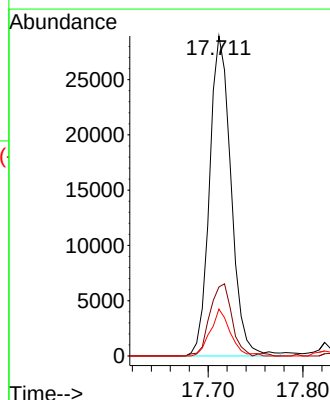
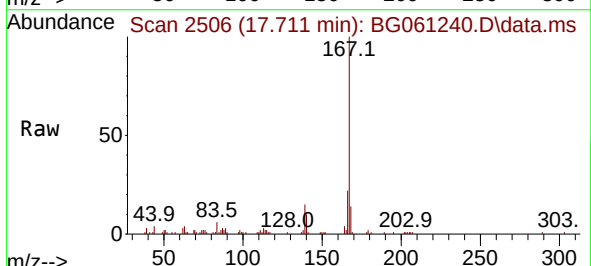
Tgt Ion:167 Resp: 45652

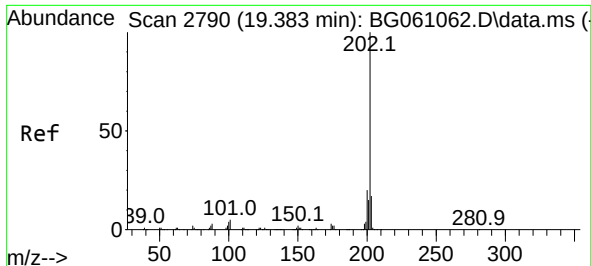
Ion Ratio Lower Upper

167 100

166 21.6 18.7 28.1

139 14.7 10.6 15.8

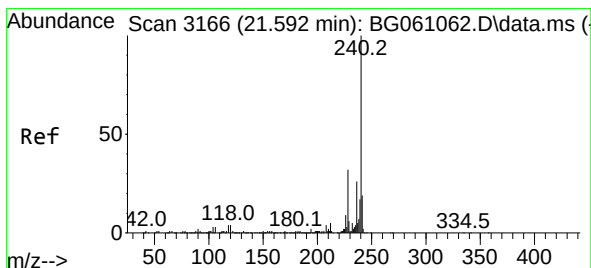
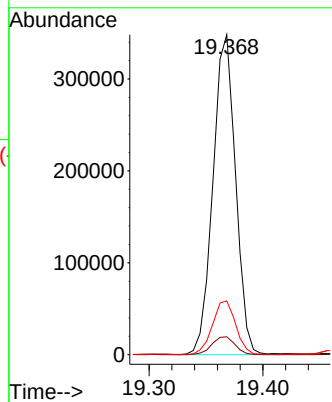
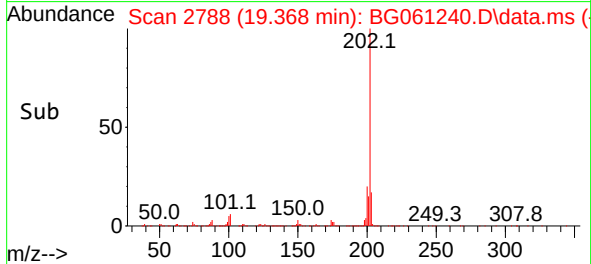
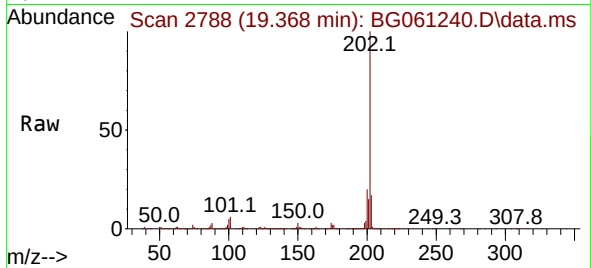




#75
Fluoranthene
Concen: 42.745 ng
RT: 19.368 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

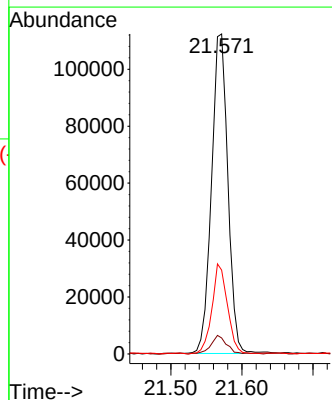
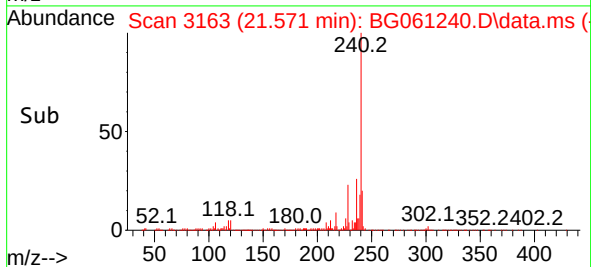
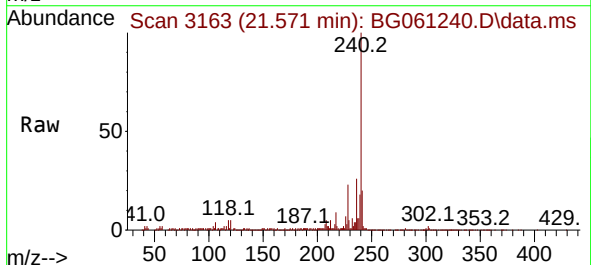
Instrument :
BNA_G
ClientSampleId :
B-01-229

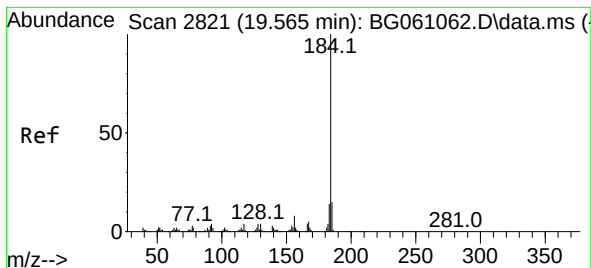
Tgt Ion:202 Resp: 481298
Ion Ratio Lower Upper
202 100
101 5.6 0.0 24.7
203 16.8 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.571 min Scan# 3163
Delta R.T. -0.021 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

Tgt Ion:240 Resp: 179665
Ion Ratio Lower Upper
240 100
120 5.0 3.2 4.8#
236 26.2 21.0 31.6





#77

Benzidine

Concen: 2.937 ng

RT: 19.550 min Scan# 2819

Delta R.T. -0.015 min

Lab File: BG061240.D

Acq: 17 May 2024 15:51

Instrument :

BNA_G

ClientSampleId :

B-01-229

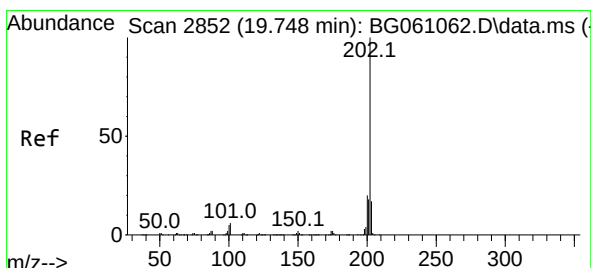
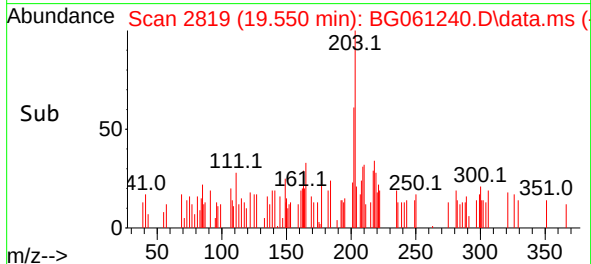
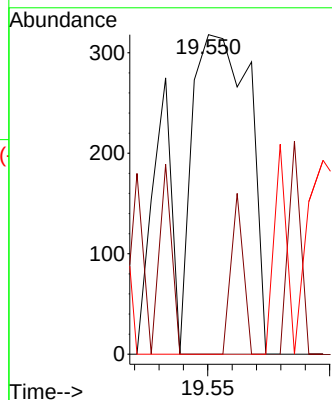
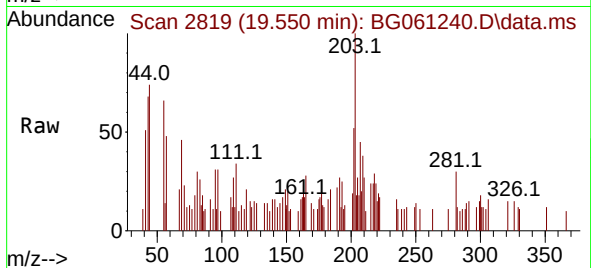
Tgt Ion:184 Resp: 515

Ion Ratio Lower Upper

184 100

185 0.0 12.0 18.0#

183 0.0 10.9 16.3#



#78

Pyrene

Concen: 35.230 ng

RT: 19.727 min Scan# 2849

Delta R.T. -0.021 min

Lab File: BG061240.D

Acq: 17 May 2024 15:51

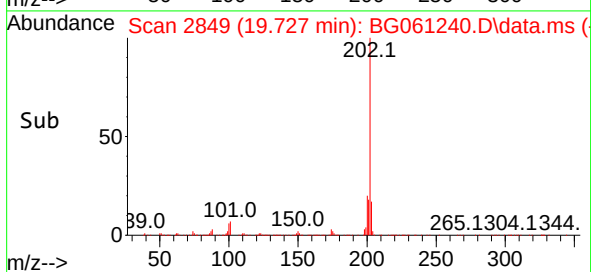
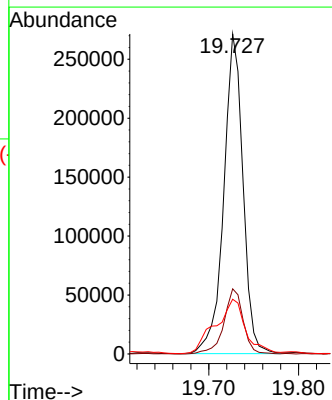
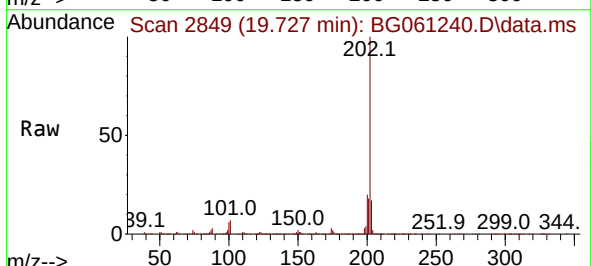
Tgt Ion:202 Resp: 402412

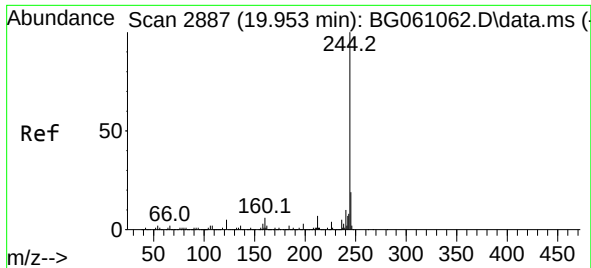
Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.4

203 17.1 13.3 19.9

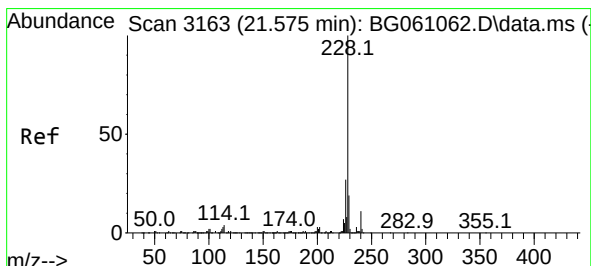
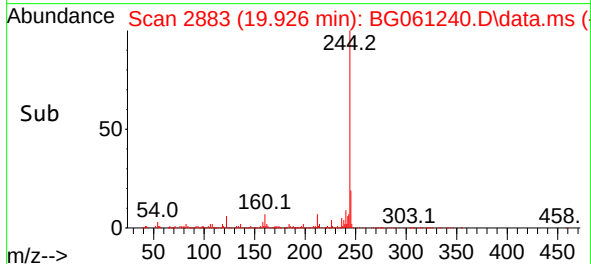
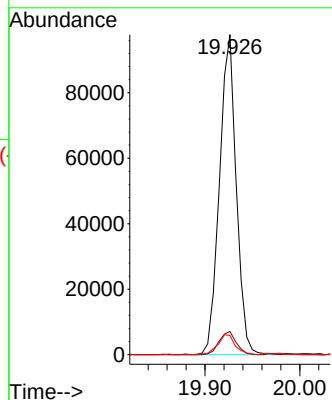
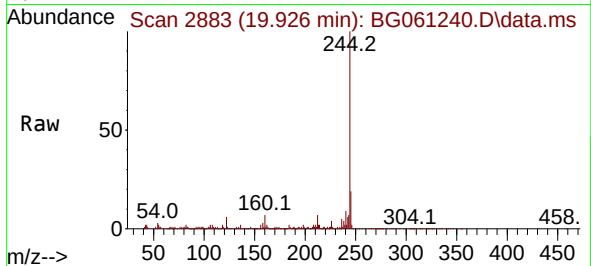




#79
 Terphenyl-d14
 Concen: 11.182 ng
 RT: 19.926 min Scan# 21
 Delta R.T. -0.027 min
 Lab File: BG061240.D
 Acq: 17 May 2024 15:51

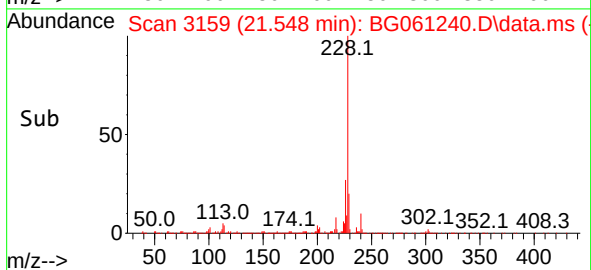
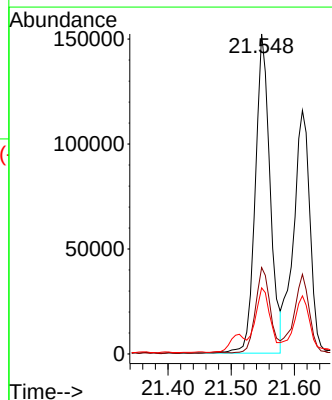
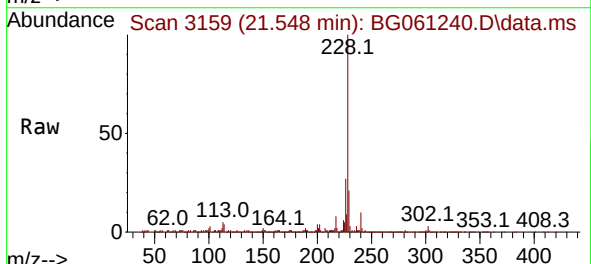
Instrument :
 BNA_G
 ClientSampleId :
 B-01-229

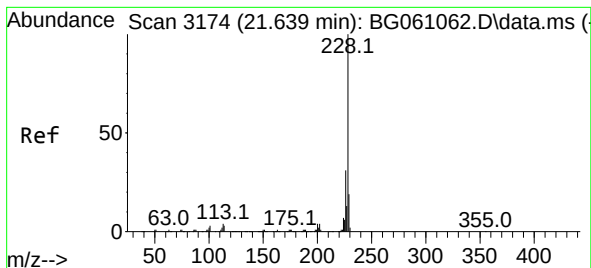
Tgt Ion:244 Resp: 120801
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.7 8.5
 122 6.0 4.2 6.2



#81
 Benzo(a)anthracene
 Concen: 21.080 ng
 RT: 21.548 min Scan# 3159
 Delta R.T. -0.027 min
 Lab File: BG061240.D
 Acq: 17 May 2024 15:51

Tgt Ion:228 Resp: 247832
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.6 32.4
 229 20.7 15.0 22.4





#83

Chrysene

Concen: 22.500 ng

RT: 21.548 min Scan# 31

Delta R.T. -0.091 min

Lab File: BG061240.D

Acq: 17 May 2024 15:51

Instrument :

BNA_G

ClientSampleId :

B-01-229

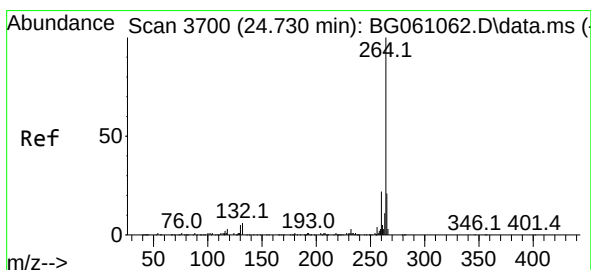
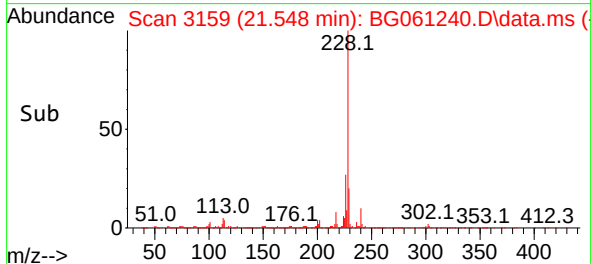
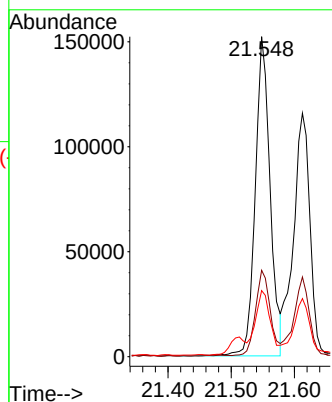
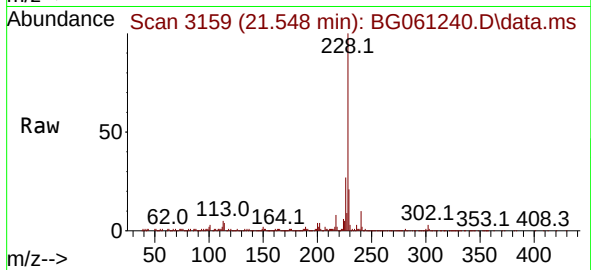
Tgt Ion:228 Resp: 247832

Ion Ratio Lower Upper

228 100

226 27.0 24.4 36.6

229 20.7 14.8 22.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.697 min Scan# 3695

Delta R.T. -0.033 min

Lab File: BG061240.D

Acq: 17 May 2024 15:51

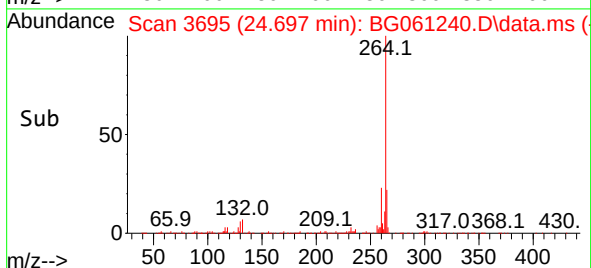
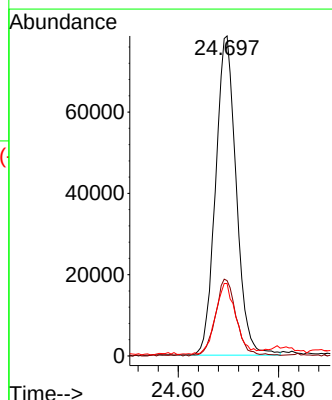
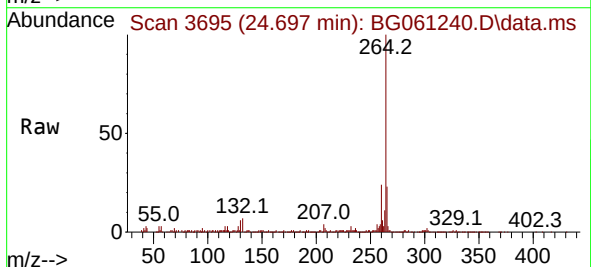
Tgt Ion:264 Resp: 224357

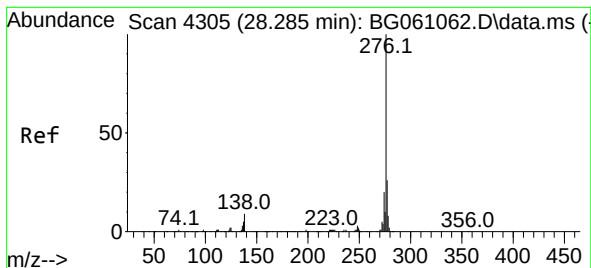
Ion Ratio Lower Upper

264 100

260 23.6 17.7 26.5

265 22.7 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.023 ng

RT: 28.240 min Scan# 41

Delta R.T. -0.044 min

Lab File: BG061240.D

Acq: 17 May 2024 15:51

Instrument :

BNA_G

ClientSampleId :

B-01-229

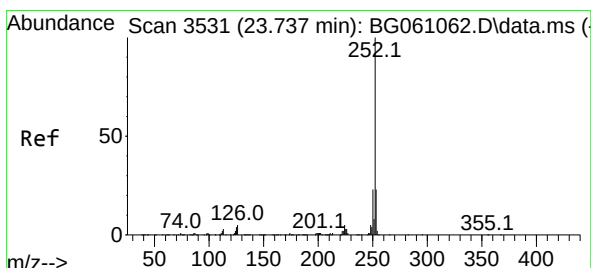
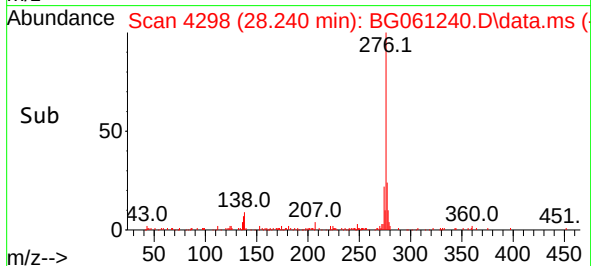
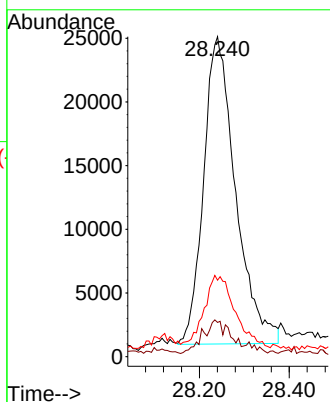
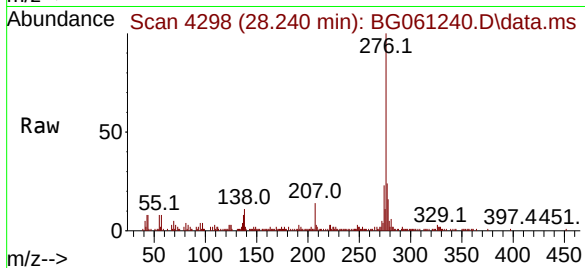
Tgt Ion:276 Resp: 119295

Ion Ratio Lower Upper

276 100

138 6.4 5.1 7.7

277 23.1 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 22.281 ng

RT: 23.710 min Scan# 3527

Delta R.T. -0.027 min

Lab File: BG061240.D

Acq: 17 May 2024 15:51

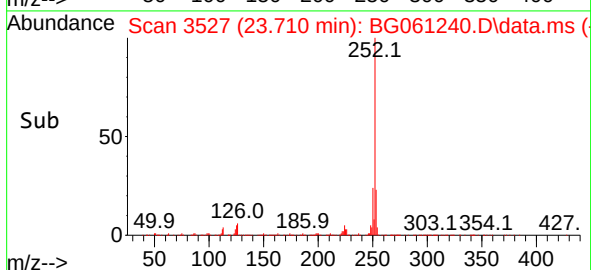
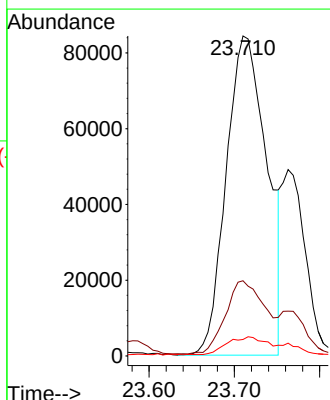
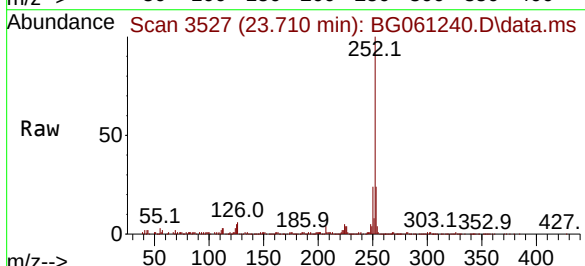
Tgt Ion:252 Resp: 279345

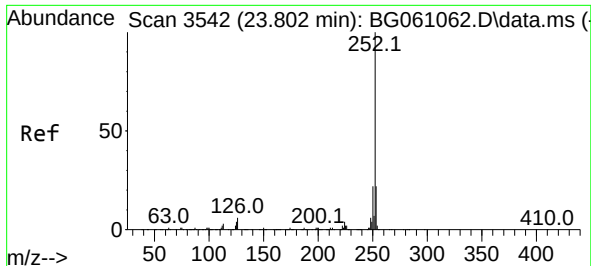
Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

125 5.2 3.4 5.0#

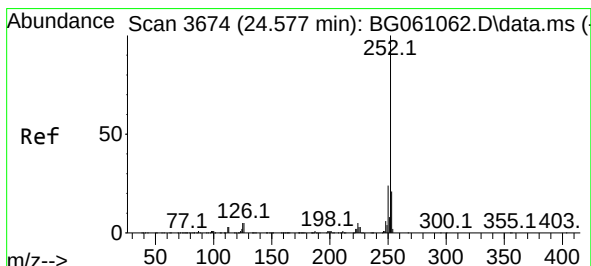
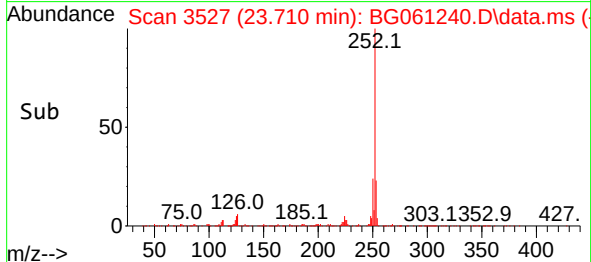
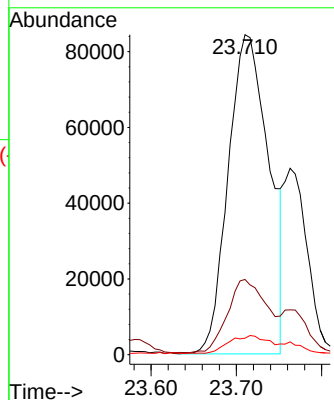
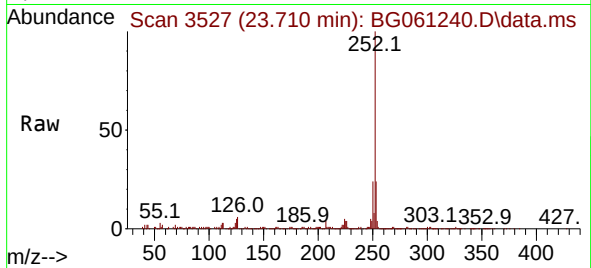




#89
Benzo(k)fluoranthene
Concen: 23.161 ng
RT: 23.710 min Scan# 31
Delta R.T. -0.091 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

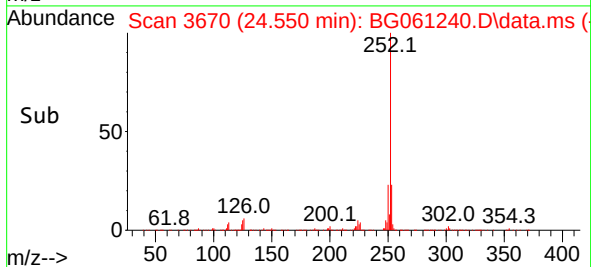
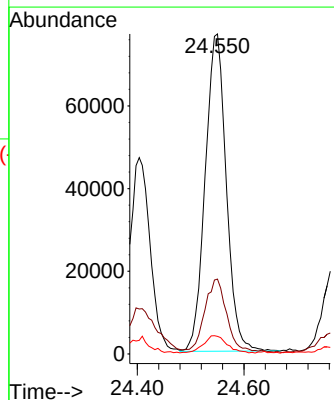
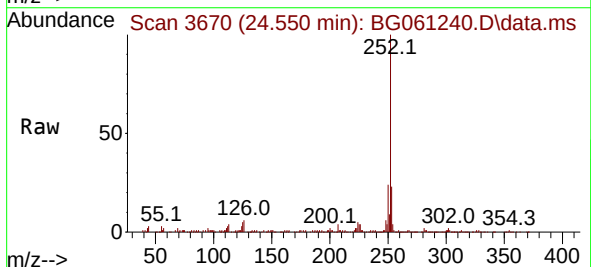
Instrument :
BNA_G
ClientSampleId :
B-01-229

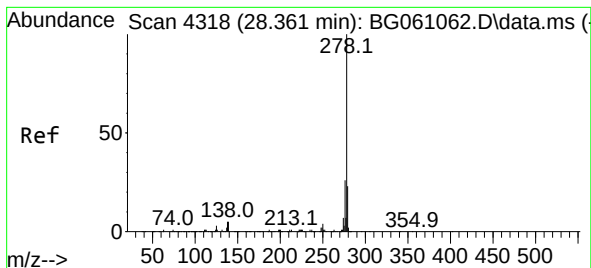
Tgt Ion:252 Resp: 279345
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 5.2 3.2 4.8#



#90
Benzo(a)pyrene
Concen: 19.294 ng
RT: 24.550 min Scan# 3670
Delta R.T. -0.027 min
Lab File: BG061240.D
Acq: 17 May 2024 15:51

Tgt Ion:252 Resp: 210743
Ion Ratio Lower Upper
252 100
253 23.4 16.9 25.3
125 5.5 3.8 5.8





#91

Dibenzo(a,h)anthracene

Concen: 2.324 ng

RT: 28.293 min Scan# 41

Delta R.T. -0.068 min

Lab File: BG061240.D

Acq: 17 May 2024 15:51

Instrument :

BNA_G

ClientSampleId :

B-01-229

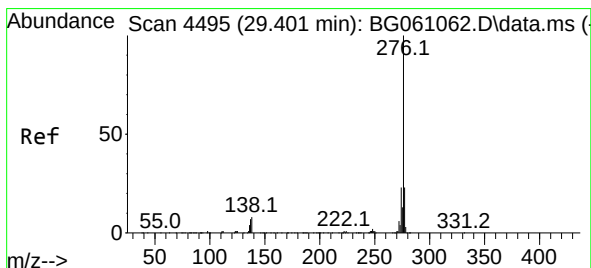
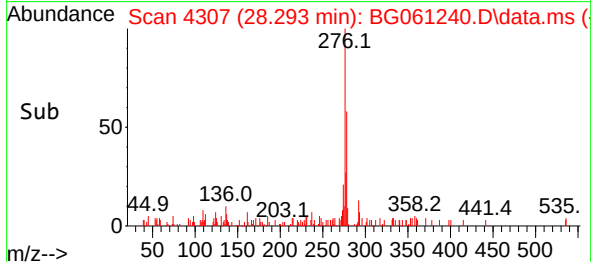
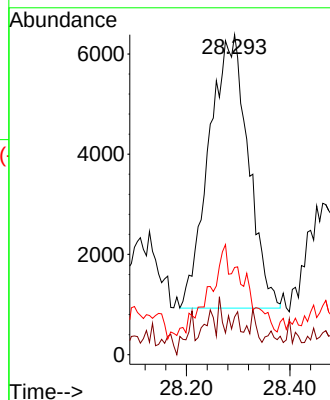
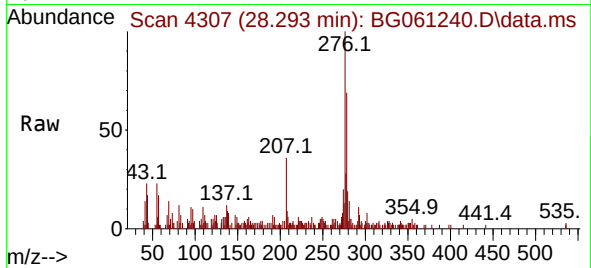
Tgt Ion:278 Resp: 28621

Ion Ratio Lower Upper

278 100

139 11.8 4.2 6.2#

279 27.2 18.0 27.0#



#92

Benzo(g,h,i)perylene

Concen: 9.182 ng

RT: 29.345 min Scan# 4486

Delta R.T. -0.056 min

Lab File: BG061240.D

Acq: 17 May 2024 15:51

Tgt Ion:276 Resp: 112351

Ion Ratio Lower Upper

276 100

277 25.1 18.2 27.4

138 11.9 6.2 9.2#

