

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051624\
 Data File : BG061221.D
 Acq On : 16 May 2024 15:16
 Operator : MA/JU
 Sample : P2474-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-114-SB02

Quant Time: May 16 15:54:50 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)

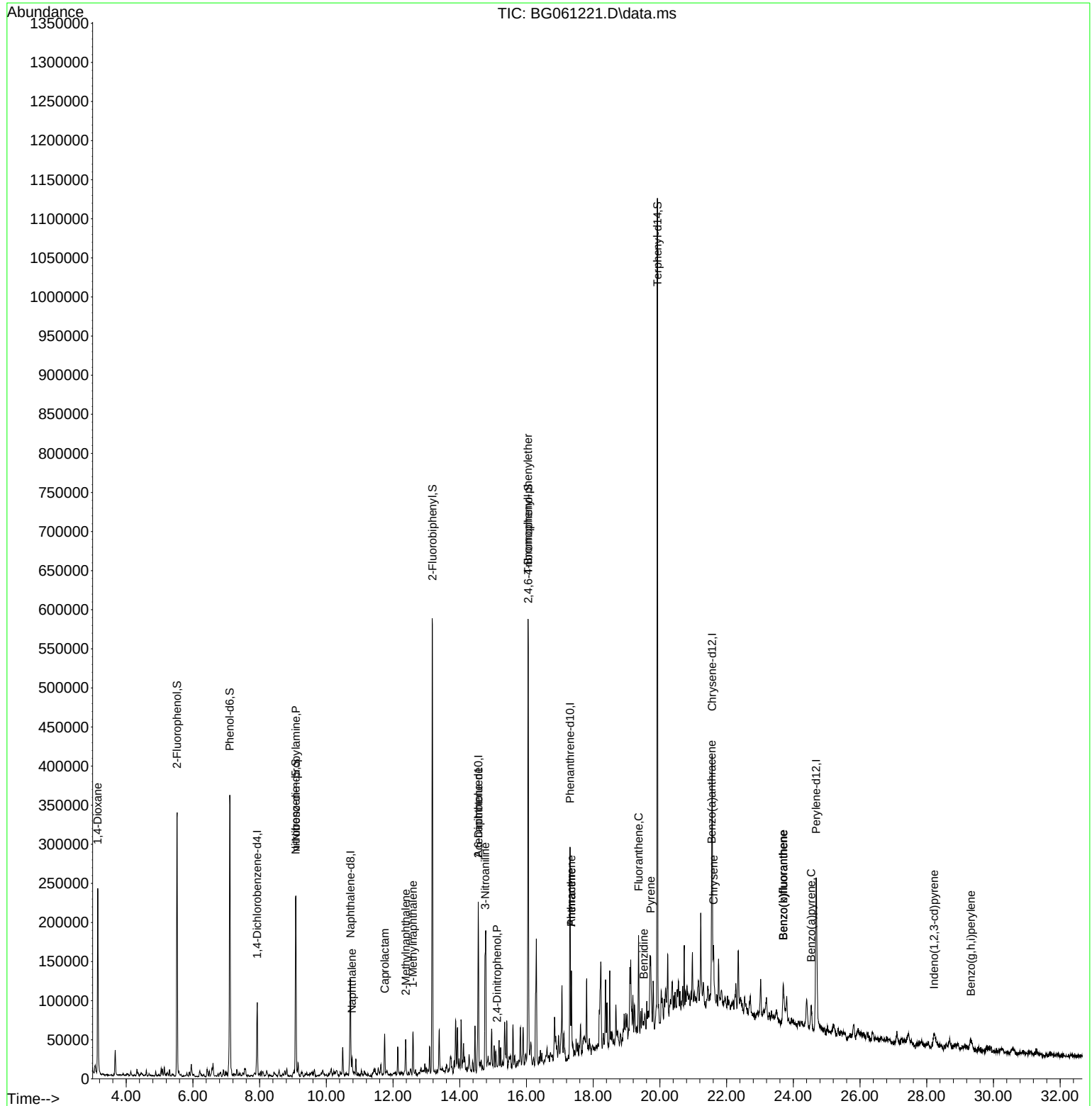
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	22544	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	91194	20.000	ng	-0.03
39) Acenaphthene-d10	14.556	164	72050	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	169273	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	170242	20.000	ng	#-0.03
86) Perylene-d12	24.686	264	216176	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	116584	105.173	ng	-0.02
7) Phenol-d6	7.106	99	161522	98.500	ng	-0.03
23) Nitrobenzene-d5	9.080	82	120141	65.308	ng	-0.04
42) 2,4,6-Tribromophenol	16.055	330	116227	80.705	ng	-0.02
45) 2-Fluorobiphenyl	13.181	172	302716	62.128	ng	-0.03
79) Terphenyl-d14	19.927	244	535059	52.271	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.146	88	1741	3.884	ng	# 1
19) n-Nitroso-di-n-propyla...	9.086	70	17496	14.257	ng	# 65
31) Naphthalene	10.773	128	15589	3.289	ng	# 92
35) Caprolactam	11.754	113	1346	2.427	ng	# 56
37) 2-Methylnaphthalene	12.382	142	19983	5.626	ng	99
38) 1-Methylnaphthalene	12.600	142	23829	6.665	ng	100
51) 2,6-Dinitrotoluene	14.556	165	11604	9.748	ng	# 21
53) 3-Nitroaniline	14.762	138	2641	2.425	ng	# 1
54) 2,4-Dinitrophenol	15.120	184	993	3.352	ng	# 33
67) 4-Bromophenyl-phenylether	16.049	248	7282	3.652	ng	# 1
71) Phenanthrene	17.347	178	70751	9.141	ng	98
72) Anthracene	17.347	178	70751	9.161	ng	97
75) Fluoranthene	19.362	202	60978	5.751	ng	93
77) Benzidine	19.521	184	379	2.906	ng	# 1
78) Pyrene	19.727	202	59913	5.536	ng	98
81) Benzo(a)anthracene	21.548	228	37323	3.350	ng	# 90
83) Chrysene	21.613	228	56544	5.418	ng	# 95
87) Indeno(1,2,3-cd)pyrene	28.223	276	29287	2.044	ng	# 67
88) Benzo(b)fluoranthene	23.699	252	62983	5.214	ng	# 97
89) Benzo(k)fluoranthene	23.699	252	62983	5.420	ng	# 95
90) Benzo(a)pyrene	24.533	252	33555	3.188	ng	# 88
92) Benzo(g,h,i)perylene	29.327	276	29362	2.490	ng	# 95

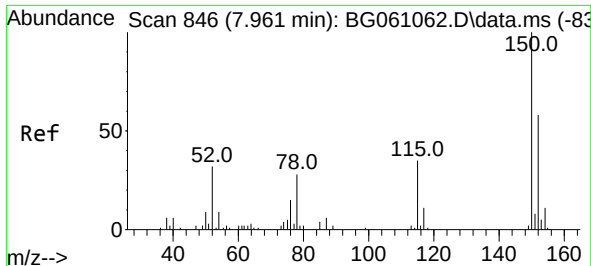
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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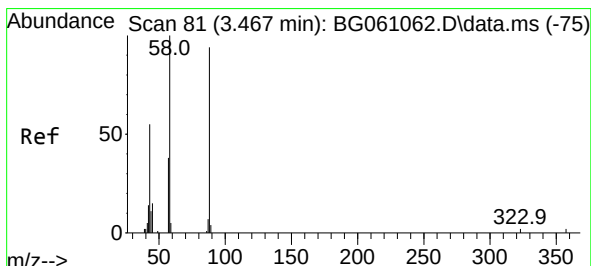
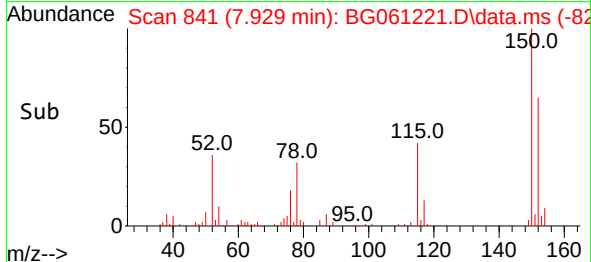
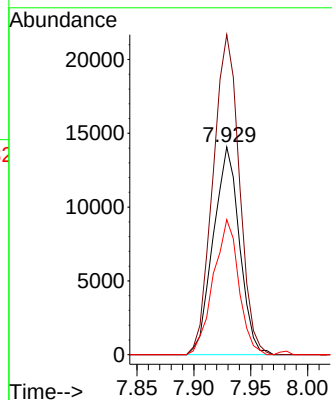
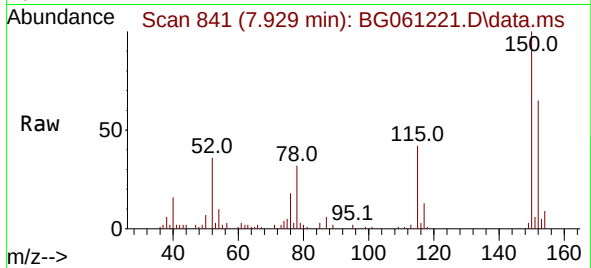




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.929 min Scan# 84
 Delta R.T. -0.032 min
 Lab File: BG061221.D
 Acq: 16 May 2024 15:16

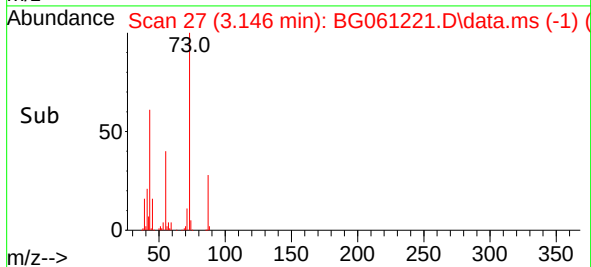
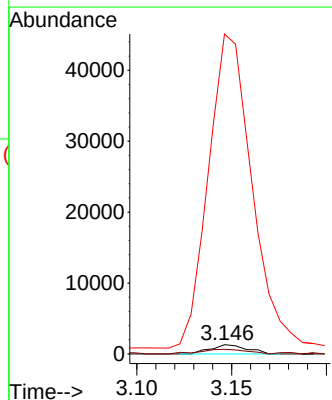
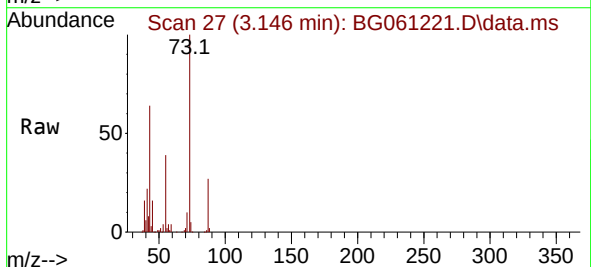
Instrument :
 BNA_G
 ClientSampleId :
 B-114-SB02

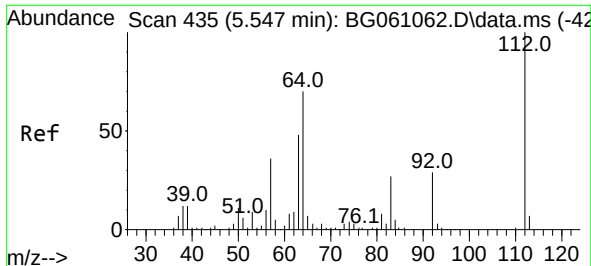
Tgt Ion:152 Resp: 22544
 Ion Ratio Lower Upper
 152 100
 150 154.1 138.3 207.5
 115 65.0 48.0 72.0



#2
 1,4-Dioxane
 Concen: 3.884 ng
 RT: 3.146 min Scan# 27
 Delta R.T. -0.320 min
 Lab File: BG061221.D
 Acq: 16 May 2024 15:16

Tgt Ion: 88 Resp: 1741
 Ion Ratio Lower Upper
 88 100
 58 64.7 81.2 121.8#
 43 4130.7 45.0 67.4#

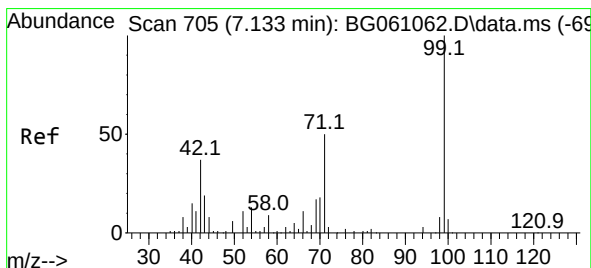
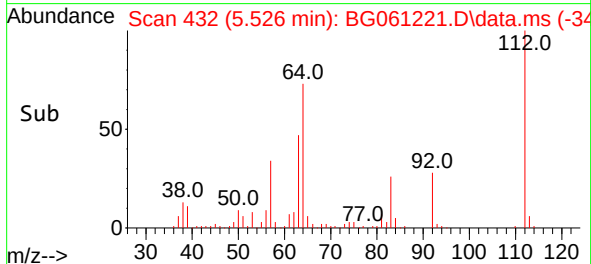
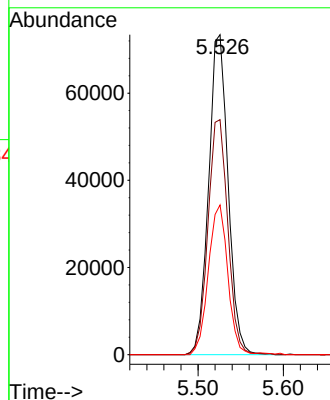
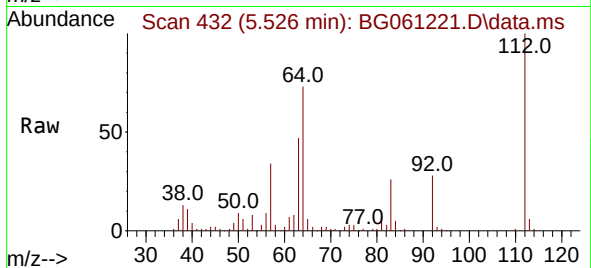




#5
2-Fluorophenol
Concen: 105.173 ng
RT: 5.526 min Scan# 41
Delta R.T. -0.021 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

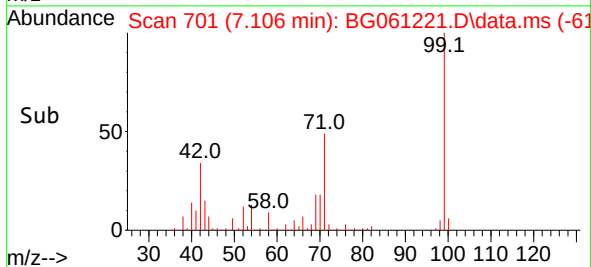
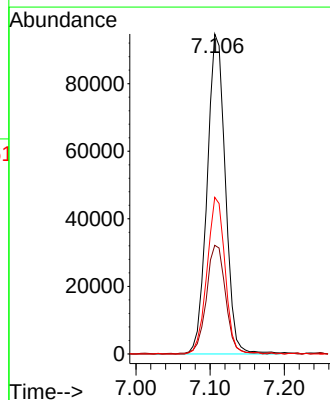
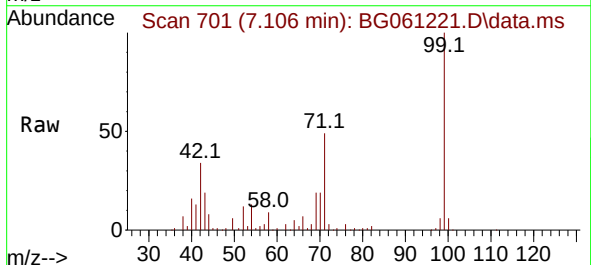
Instrument :
BNA_G
ClientSampleId :
B-114-SB02

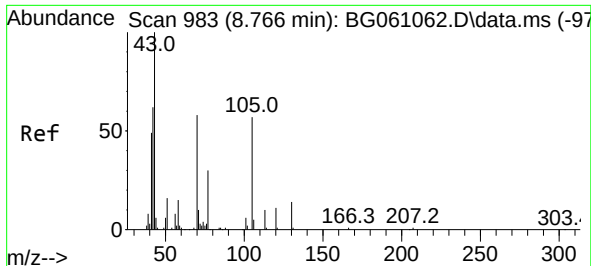
Tgt Ion:112 Resp: 116584
Ion Ratio Lower Upper
112 100
64 73.4 55.7 83.5
63 46.8 38.1 57.1



#7
Phenol-d6
Concen: 98.500 ng
RT: 7.106 min Scan# 701
Delta R.T. -0.027 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

Tgt Ion: 99 Resp: 161522
Ion Ratio Lower Upper
99 100
42 34.0 29.2 43.8
71 48.9 39.7 59.5

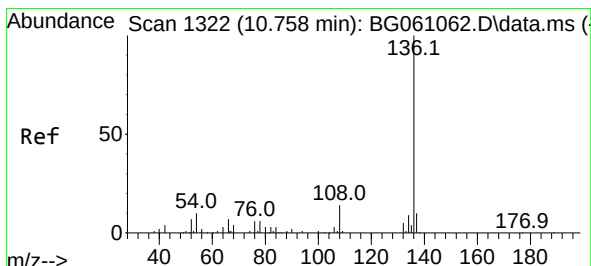
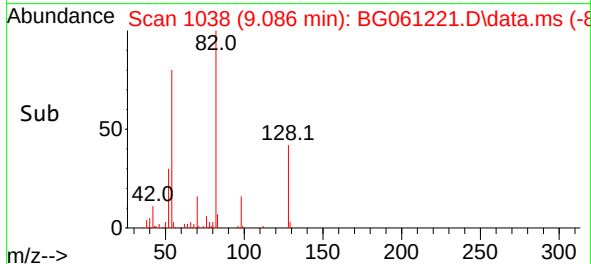
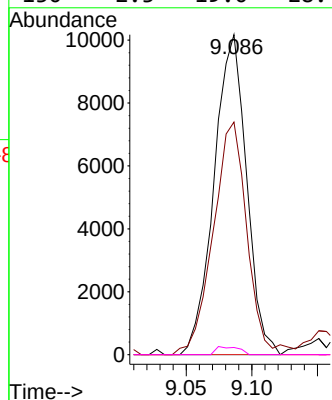
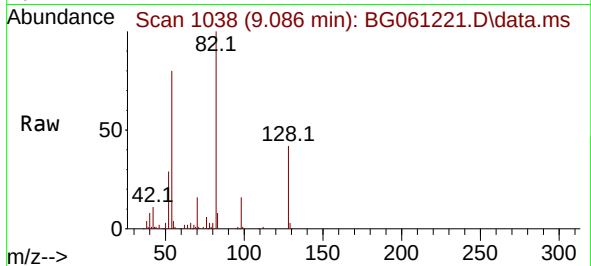




#19
n-Nitroso-di-n-propylamine
Concen: 14.257 ng
RT: 9.086 min Scan# 11
Delta R.T. 0.320 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

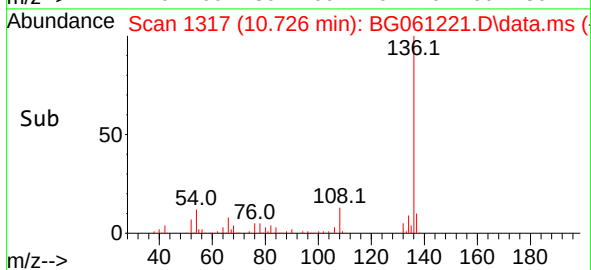
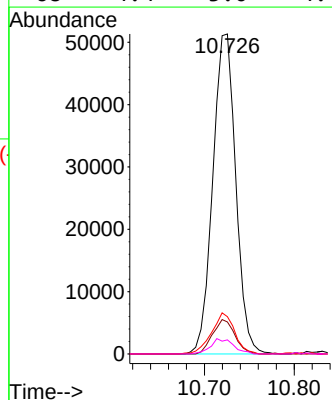
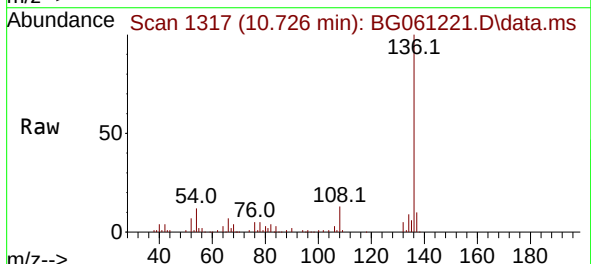
Instrument :
BNA_G
ClientSampleId :
B-114-SB02

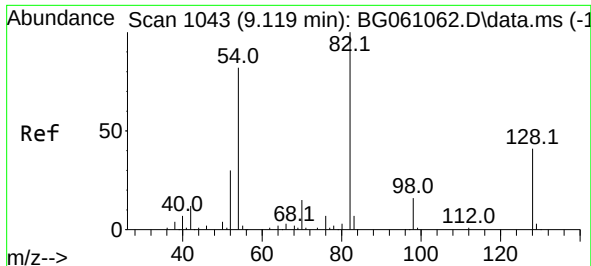
Tgt Ion: 70 Resp: 17496
Ion Ratio Lower Upper
70 100
42 72.7 86.4 129.6#
101 0.0 7.8 11.8#
130 2.3 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1317
Delta R.T. -0.033 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

Tgt Ion: 136 Resp: 91194
Ion Ratio Lower Upper
136 100
137 10.0 7.8 11.6
54 11.7 8.1 12.1
68 4.4 3.0 4.4





#23

Nitrobenzene-d5

Concen: 65.308 ng

RT: 9.080 min Scan# 1043

Delta R.T. -0.038 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Instrument :

BNA_G

ClientSampleId :

B-114-SB02

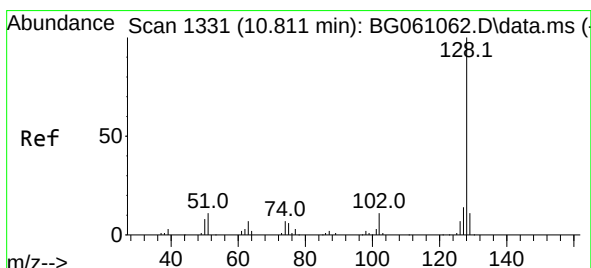
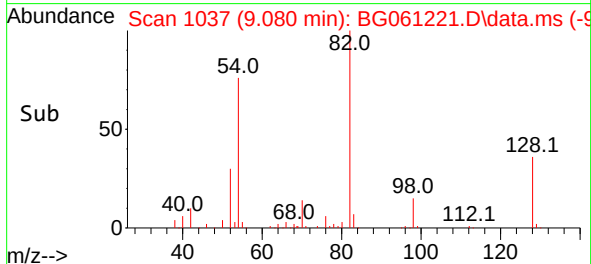
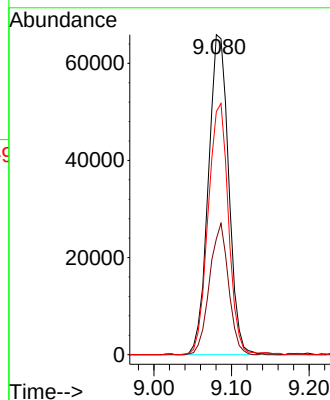
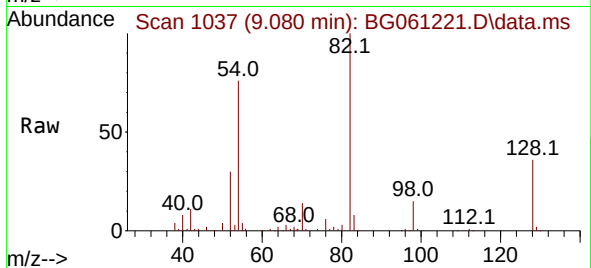
Tgt Ion: 82 Resp: 120141

Ion Ratio Lower Upper

82 100

128 36.2 32.7 49.1

54 76.0 65.6 98.4



#31

Naphthalene

Concen: 3.289 ng

RT: 10.773 min Scan# 1325

Delta R.T. -0.038 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

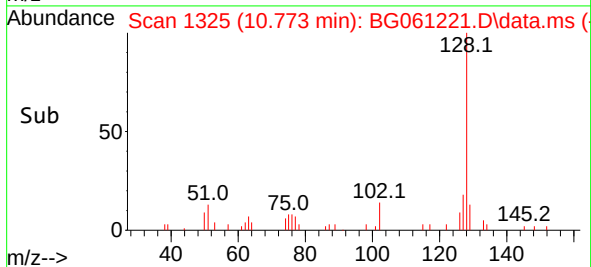
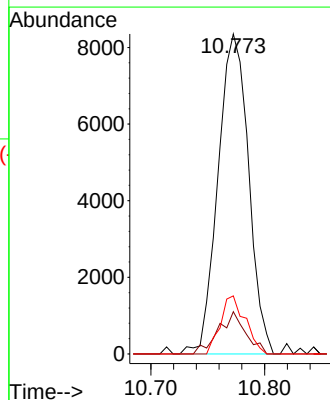
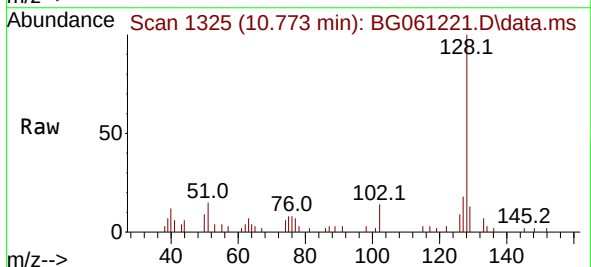
Tgt Ion:128 Resp: 15589

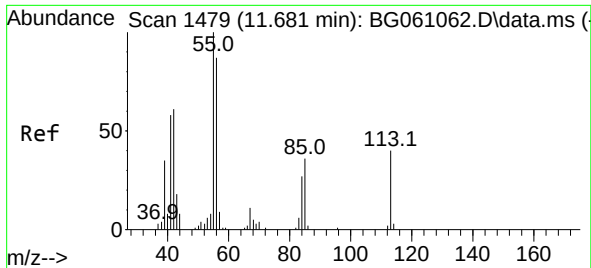
Ion Ratio Lower Upper

128 100

129 13.2 8.9 13.3

127 18.1 11.1 16.7#

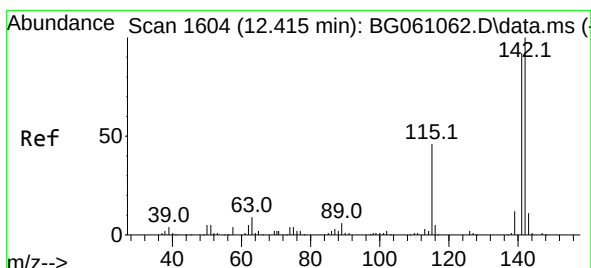
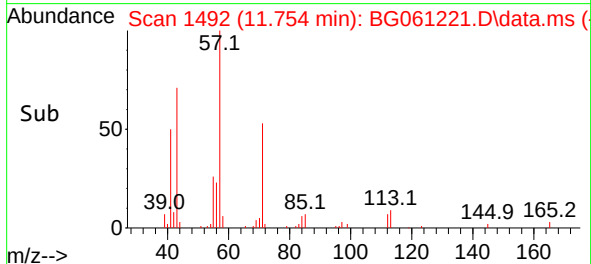
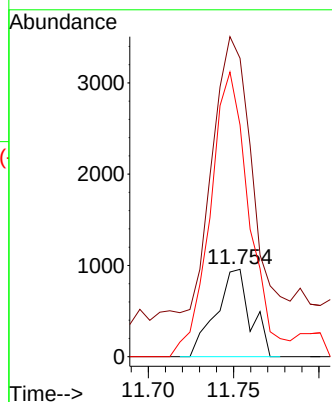
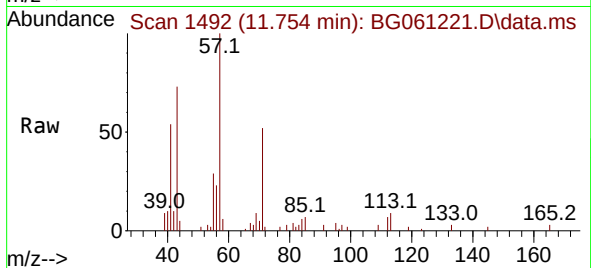




#35
 Caprolactam
 Concen: 2.427 ng
 RT: 11.754 min Scan# 1479
 Delta R.T. 0.073 min
 Lab File: BG061221.D
 Acq: 16 May 2024 15:16

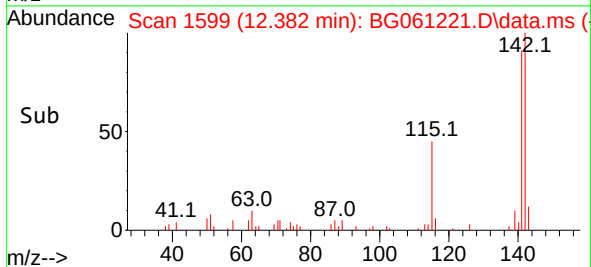
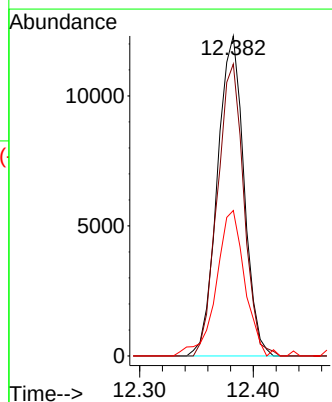
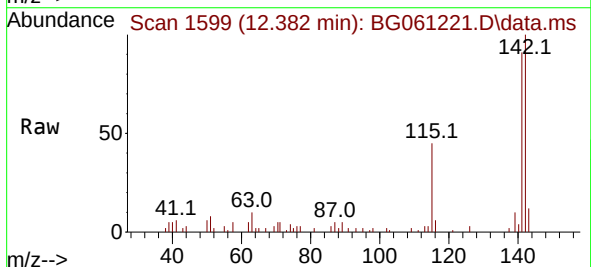
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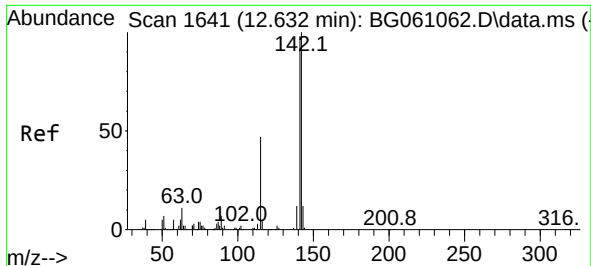
Tgt Ion:113 Resp: 1346
 Ion Ratio Lower Upper
 113 100
 55 341.3 227.6 267.6#
 56 265.0 195.1 235.1#



#37
 2-Methylnaphthalene
 Concen: 5.626 ng
 RT: 12.382 min Scan# 1599
 Delta R.T. -0.033 min
 Lab File: BG061221.D
 Acq: 16 May 2024 15:16

Tgt Ion:142 Resp: 19983
 Ion Ratio Lower Upper
 142 100
 141 91.3 73.8 110.8
 115 45.4 36.9 55.3

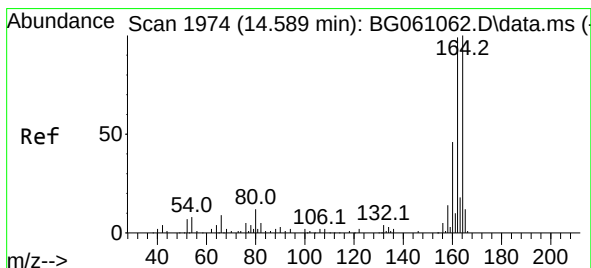
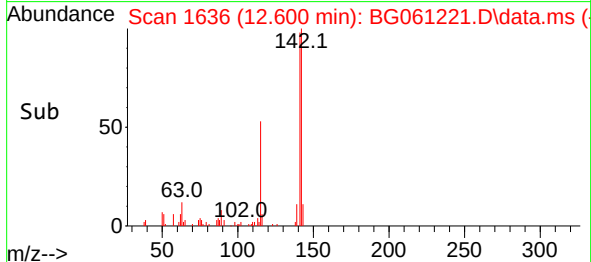
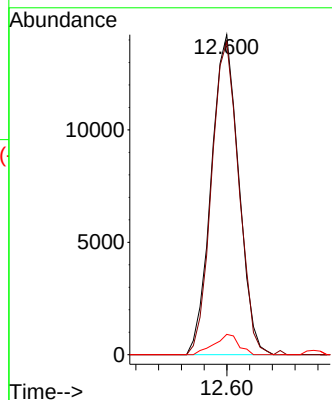
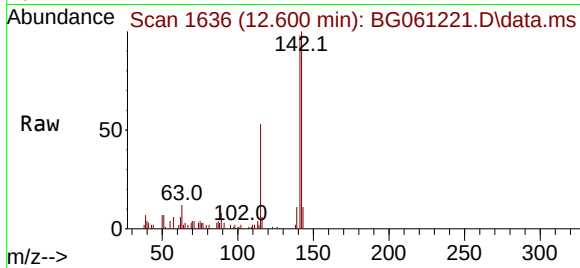




#38
1-Methylnaphthalene
Concen: 6.665 ng
RT: 12.600 min Scan# 1
Delta R.T. -0.033 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

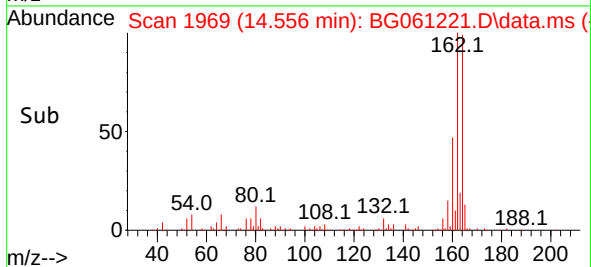
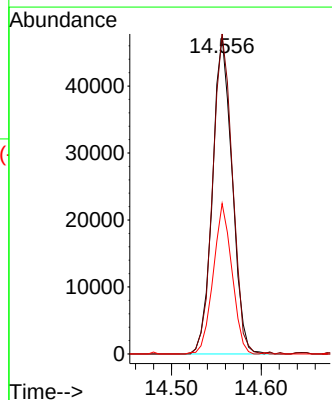
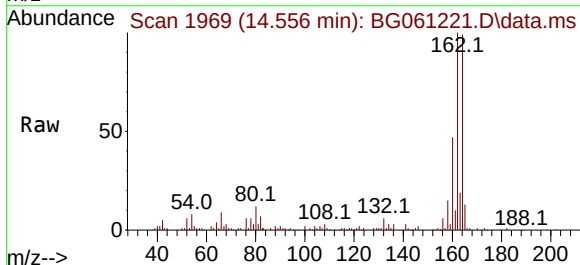
Instrument :
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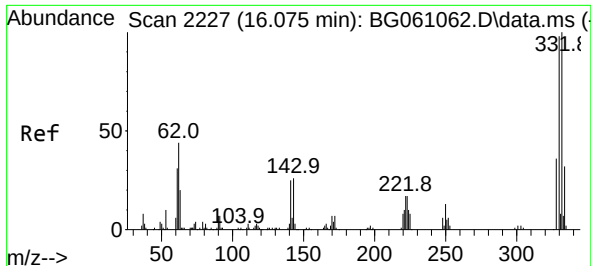
Tgt Ion:	142	Resp:	23829
Ion Ratio	Lower	Upper	
142	100		
141	97.8	78.4	117.6
116	6.4	4.3	6.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.556 min Scan# 1969
Delta R.T. -0.033 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

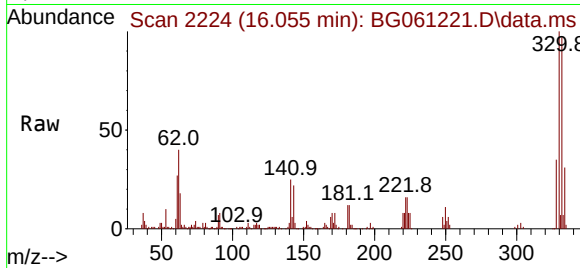
Tgt Ion:	164	Resp:	72050
Ion Ratio	Lower	Upper	
164	100		
162	100.8	79.4	119.2
160	47.4	37.0	55.6



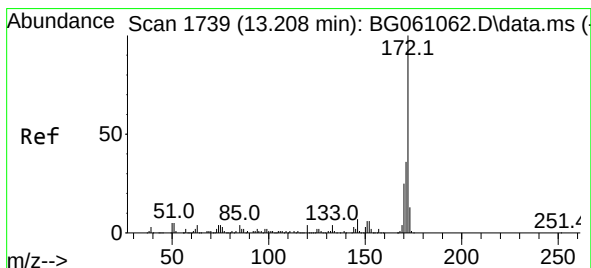
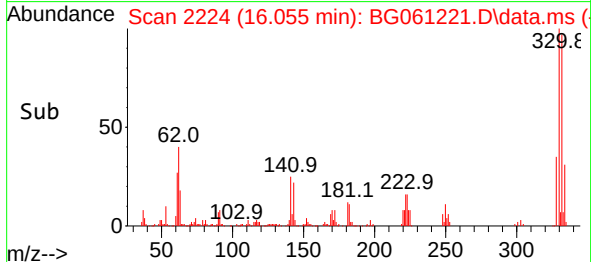
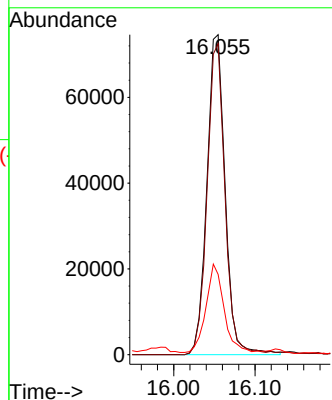


#42
2,4,6-Tribromophenol
Concen: 80.705 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

Instrument :
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ClientSampleId :
B-114-SB02

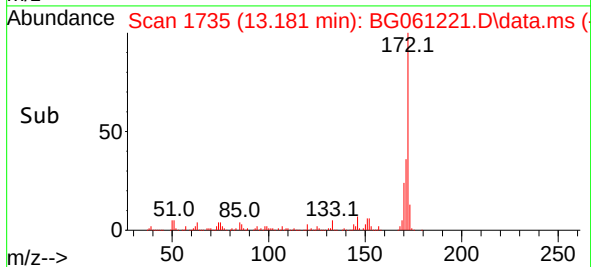
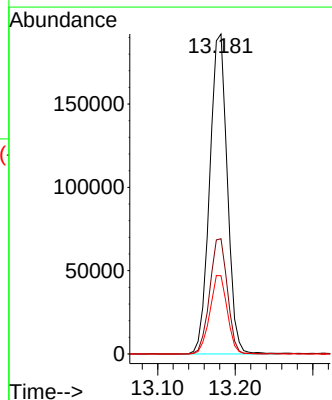
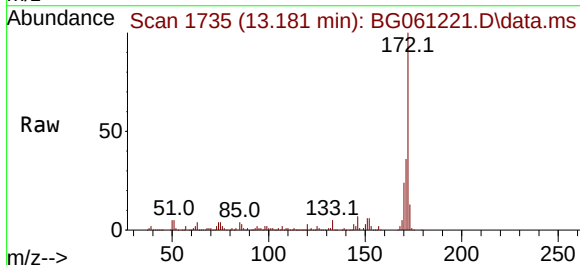


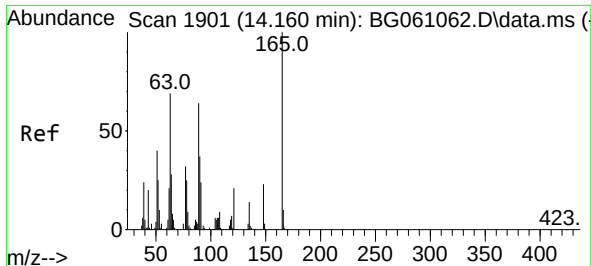
Tgt Ion:330 Resp: 116227
Ion Ratio Lower Upper
330 100
332 94.7 78.6 117.8
141 28.5 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 62.128 ng
RT: 13.181 min Scan# 1735
Delta R.T. -0.027 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

Tgt Ion:172 Resp: 302716
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.6
170 24.4 20.2 30.4

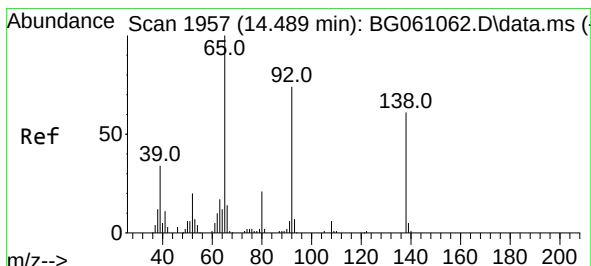
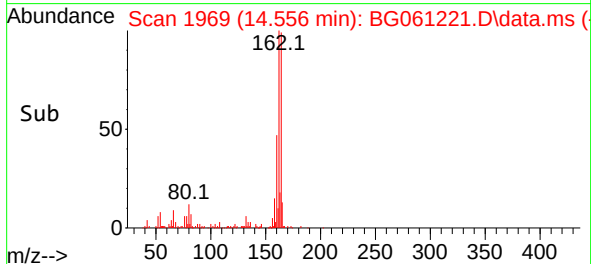
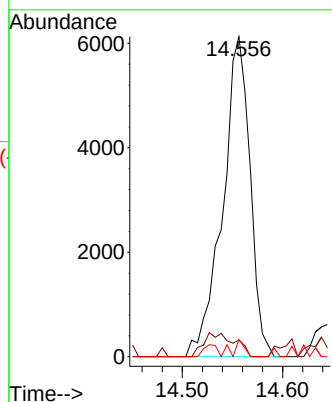
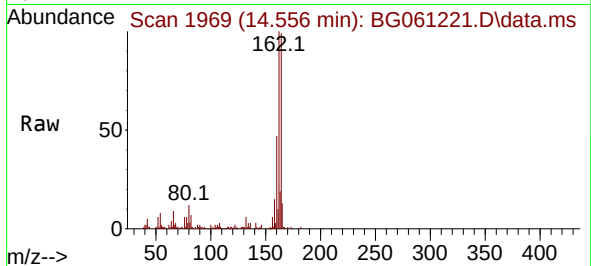




#51
2,6-Dinitrotoluene
Concen: 9.748 ng
RT: 14.556 min Scan# 11
Delta R.T. 0.396 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

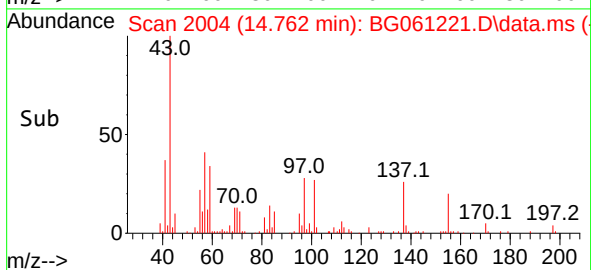
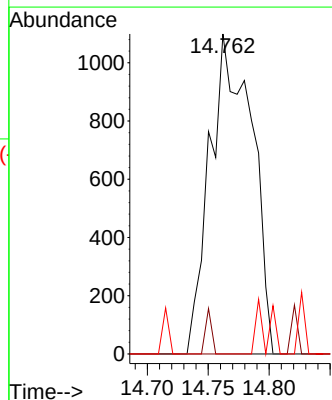
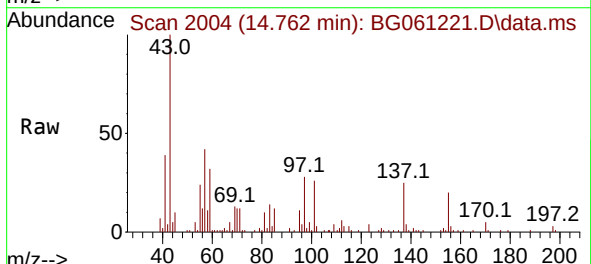
Instrument :
BNA_G
ClientSampleId :
B-114-SB02

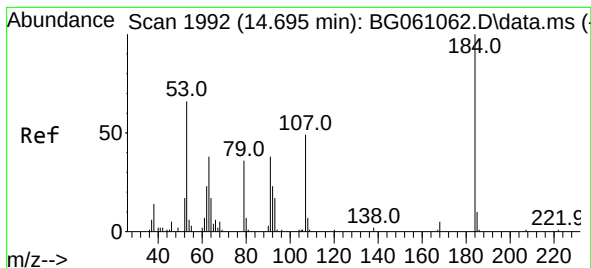
Tgt Ion:165 Resp: 11604
Ion Ratio Lower Upper
165 100
63 5.2 60.0 90.0#
89 5.4 50.9 76.3#



#53
3-Nitroaniline
Concen: 2.425 ng
RT: 14.762 min Scan# 2004
Delta R.T. 0.273 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

Tgt Ion:138 Resp: 2641
Ion Ratio Lower Upper
138 100
108 0.0 8.2 12.2#
92 0.0 98.0 147.0#

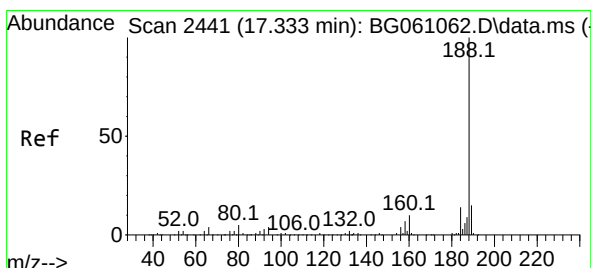
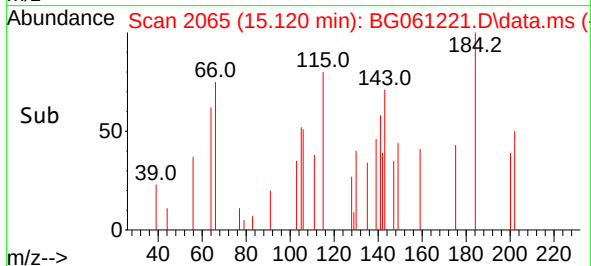
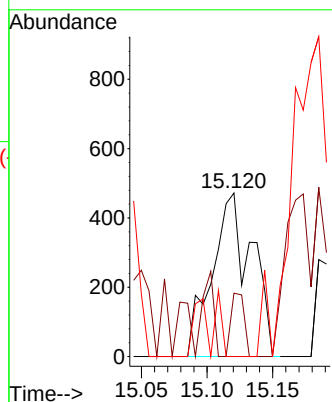
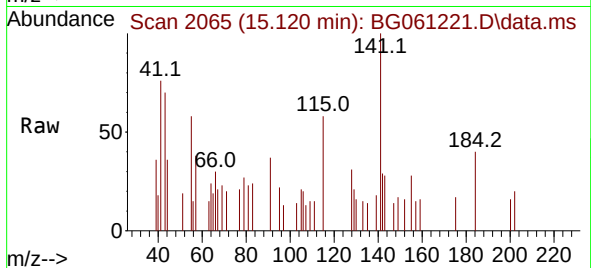




#54
2,4-Dinitrophenol
Concen: 3.352 ng
RT: 15.120 min Scan# 2065
Delta R.T. 0.426 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

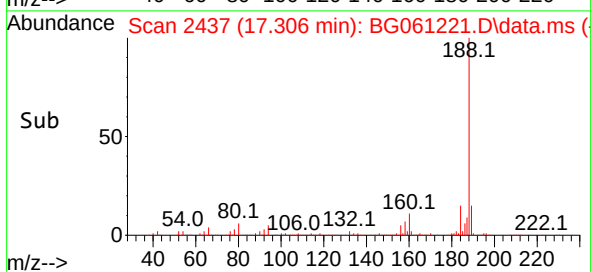
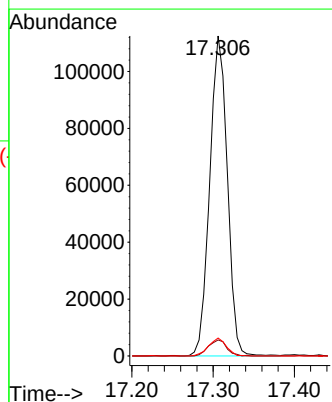
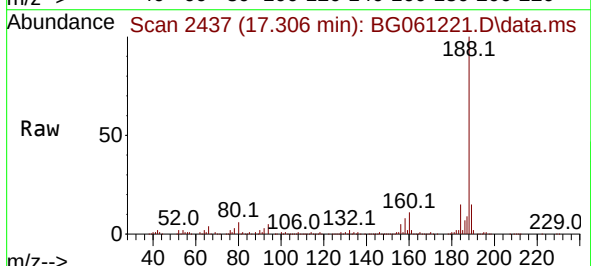
Instrument :
BNA_G
ClientSampleId :
B-114-SB02

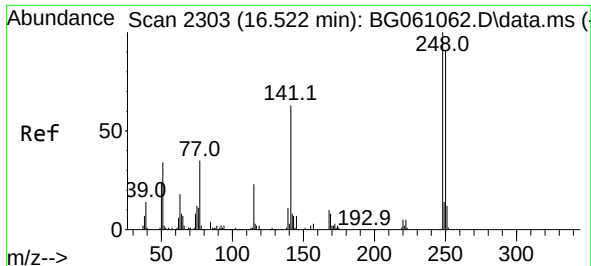
Tgt Ion:184 Resp: 993
Ion Ratio Lower Upper
184 100
63 38.8 62.6 93.8#
154 0.0 61.4 92.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2437
Delta R.T. -0.027 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

Tgt Ion:188 Resp: 169273
Ion Ratio Lower Upper
188 100
94 5.0 3.6 5.4
80 5.6 4.2 6.2

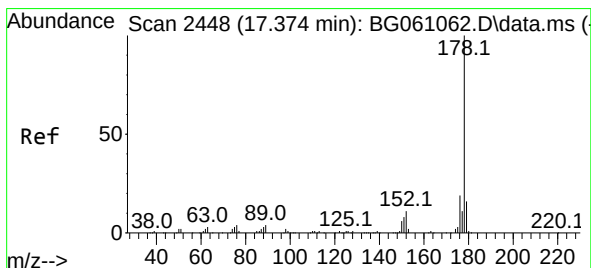
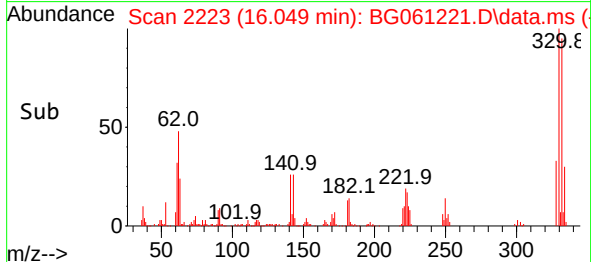
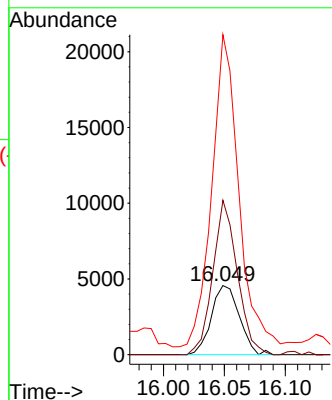
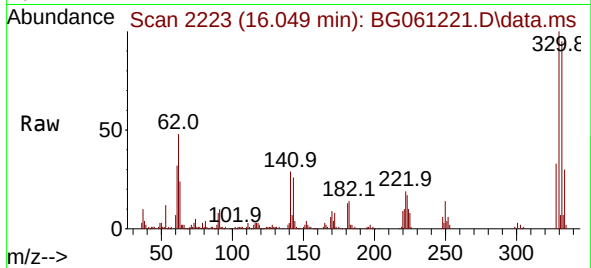




#67
4-Bromophenyl-phenylether
Concen: 3.652 ng
RT: 16.049 min Scan# 211
Delta R.T. -0.473 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

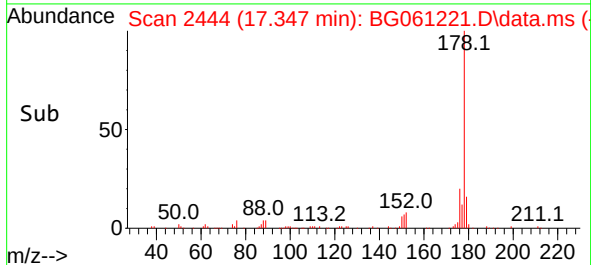
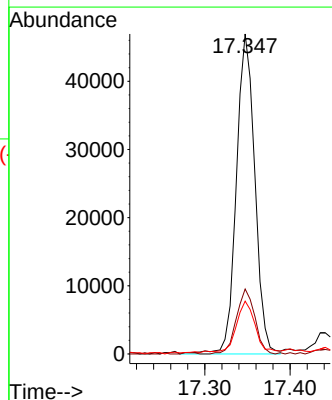
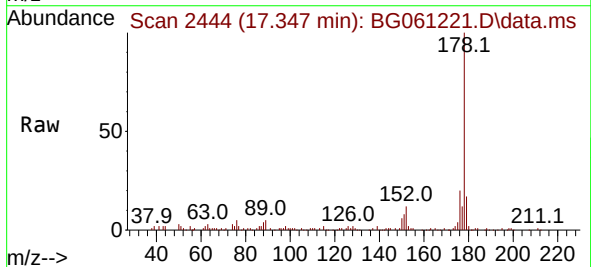
Instrument :
BNA_G
ClientSampleId :
B-114-SB02

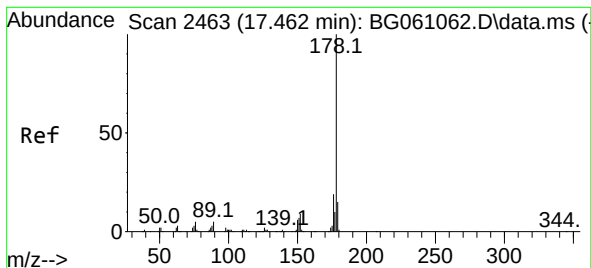
Tgt Ion:248 Resp: 7282
Ion Ratio Lower Upper
248 100
250 223.4 73.0 109.4#
141 462.9 50.8 76.2#



#71
Phenanthrene
Concen: 9.141 ng
RT: 17.347 min Scan# 2444
Delta R.T. -0.027 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

Tgt Ion:178 Resp: 70751
Ion Ratio Lower Upper
178 100
176 20.3 15.5 23.3
179 16.5 12.6 19.0





#72

Anthracene

Concen: 9.161 ng

RT: 17.347 min Scan# 24

Delta R.T. -0.115 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Instrument :

BNA_G

ClientSampleId :

B-114-SB02

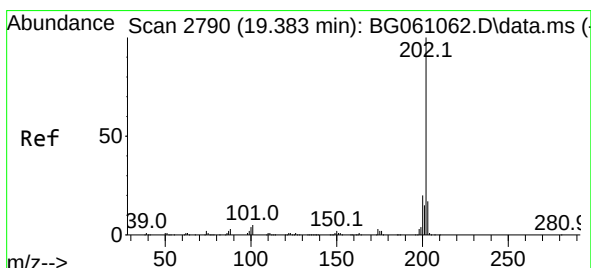
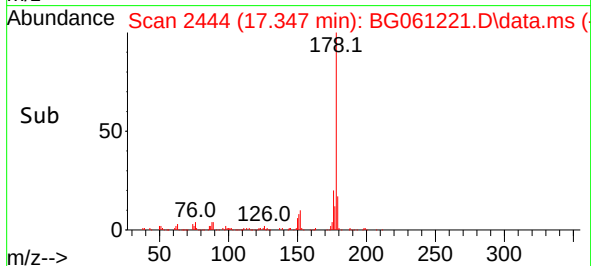
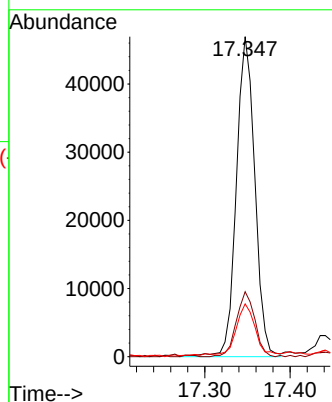
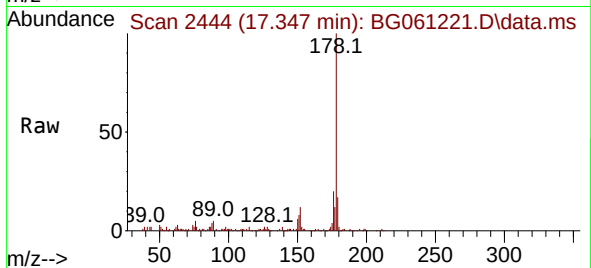
Tgt Ion:178 Resp: 70751

Ion Ratio Lower Upper

178 100

176 20.3 15.0 22.6

179 16.5 12.0 18.0



#75

Fluoranthene

Concen: 5.751 ng

RT: 19.362 min Scan# 2787

Delta R.T. -0.021 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

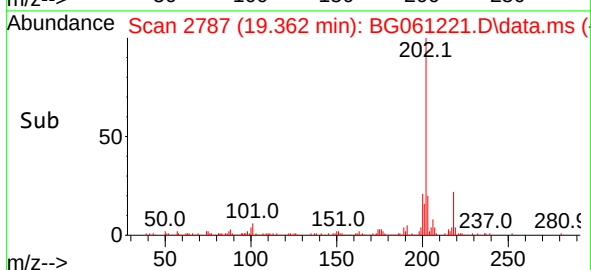
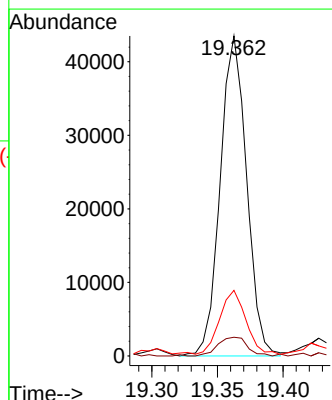
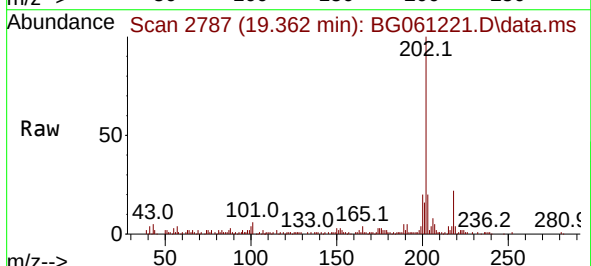
Tgt Ion:202 Resp: 60978

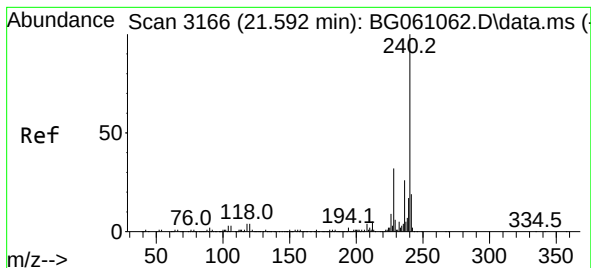
Ion Ratio Lower Upper

202 100

101 5.9 0.0 24.7

203 20.5 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.566 min Scan# 3166

Delta R.T. -0.027 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Instrument :

BNA_G

ClientSampleId :

B-114-SB02

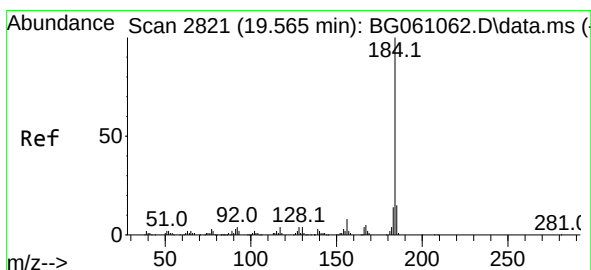
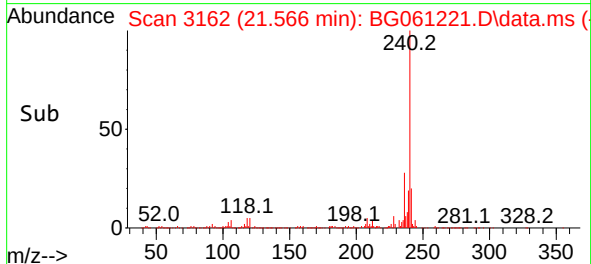
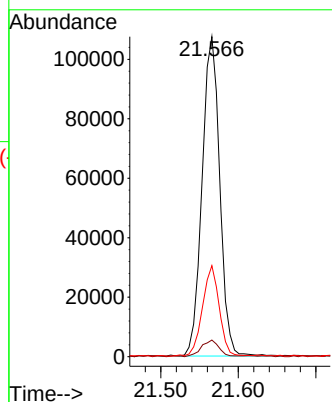
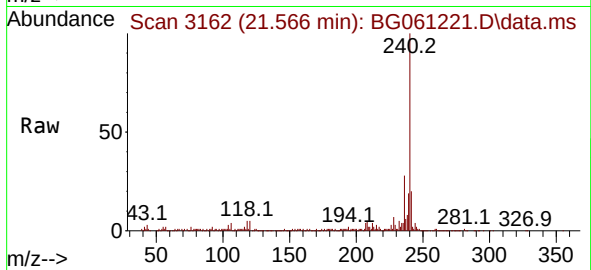
Tgt Ion:240 Resp: 170242

Ion Ratio Lower Upper

240 100

120 5.2 3.2 4.8#

236 28.4 21.0 31.6



#77

Benzidine

Concen: 2.906 ng

RT: 19.521 min Scan# 2814

Delta R.T. -0.044 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

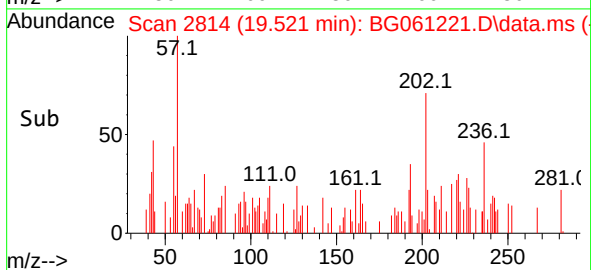
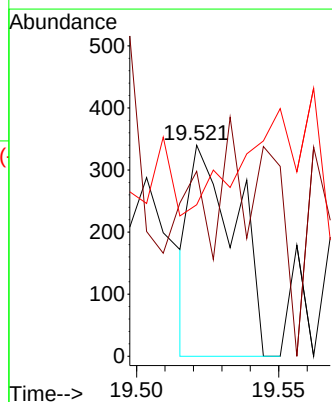
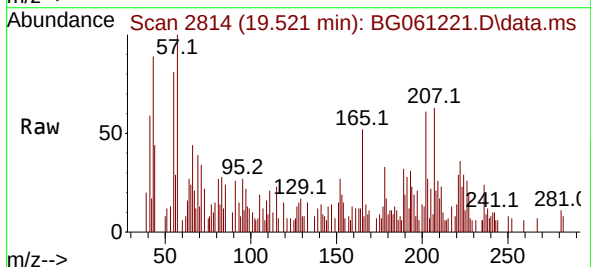
Tgt Ion:184 Resp: 379

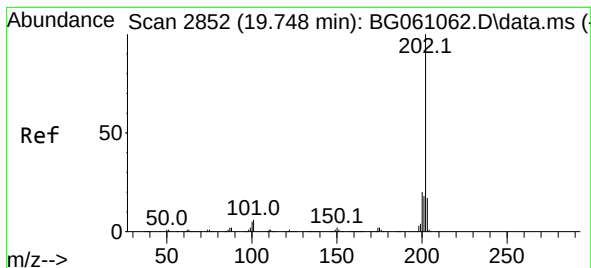
Ion Ratio Lower Upper

184 100

185 87.6 12.0 18.0#

183 71.8 10.9 16.3#





#78

Pyrene

Concen: 5.536 ng

RT: 19.727 min Scan# 2849

Delta R.T. -0.021 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Instrument :

BNA_G

ClientSampleId :

B-114-SB02

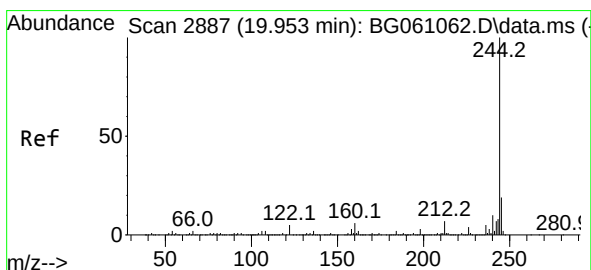
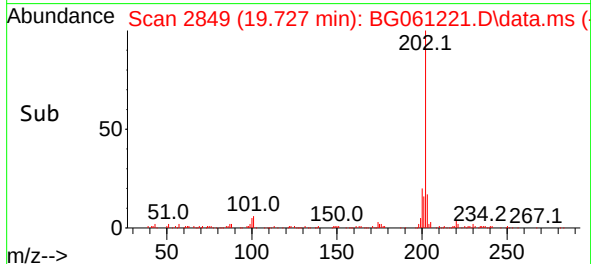
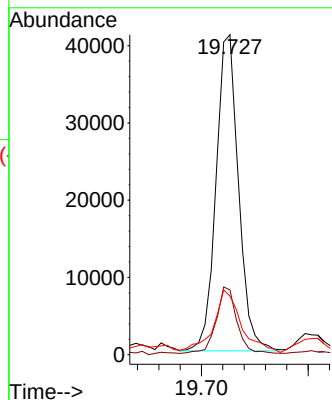
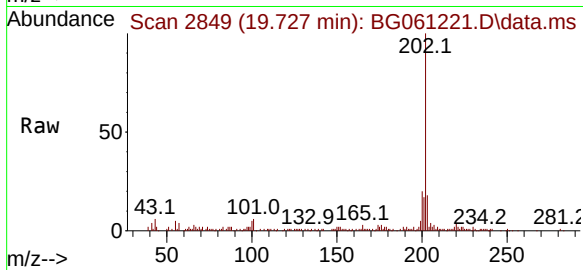
Tgt Ion:202 Resp: 59913

Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.4

203 18.4 13.3 19.9



#79

Terphenyl-d14

Concen: 52.271 ng

RT: 19.927 min Scan# 2883

Delta R.T. -0.027 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

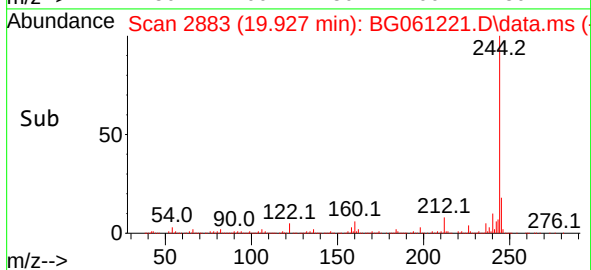
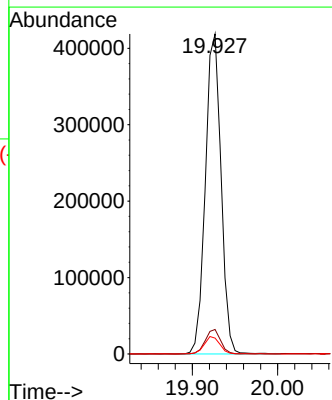
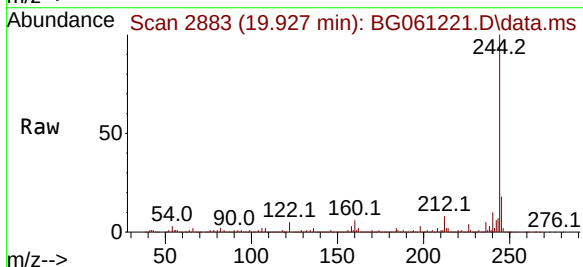
Tgt Ion:244 Resp: 535059

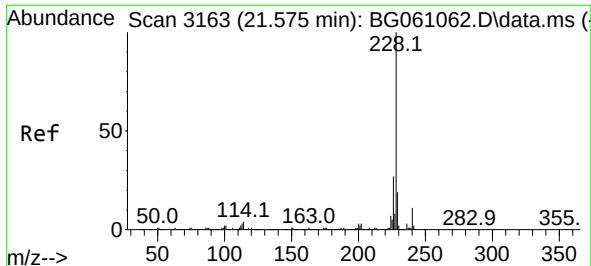
Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 4.9 4.2 6.2

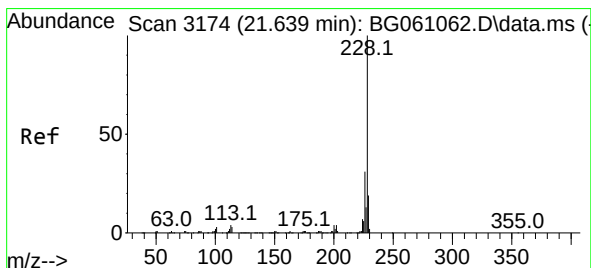
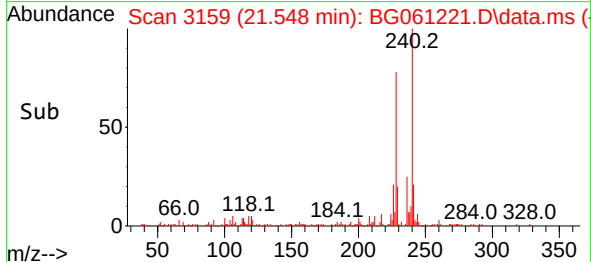
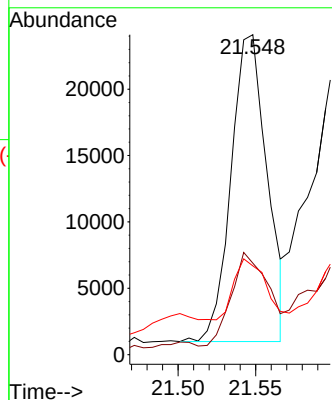
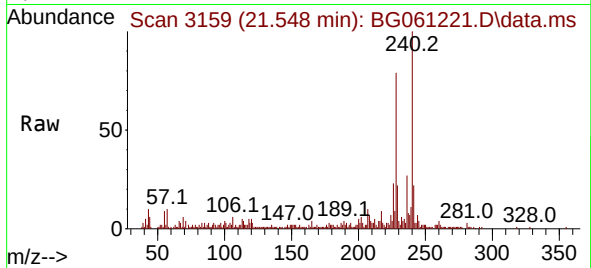




#81
Benzo(a)anthracene
Concen: 3.350 ng
RT: 21.548 min Scan# 3163
Delta R.T. -0.027 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

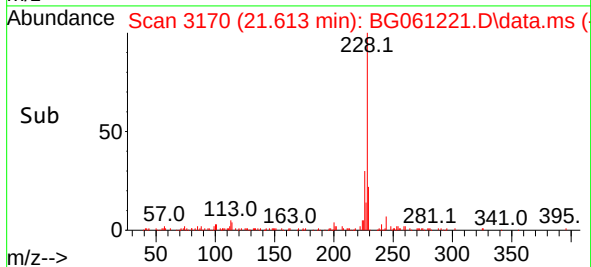
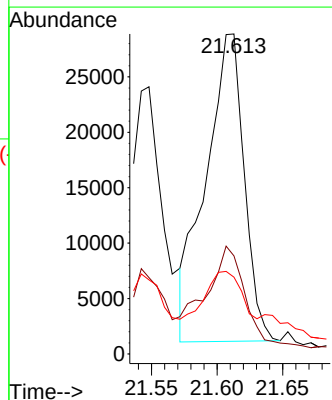
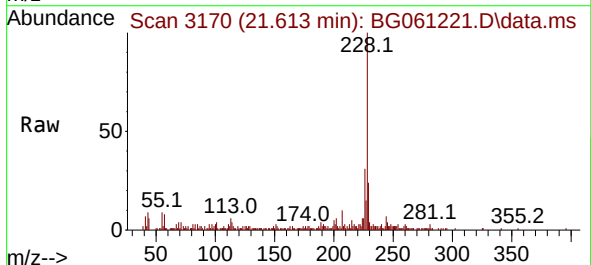
Instrument :
BNA_G
ClientSampleId :
B-114-SB02

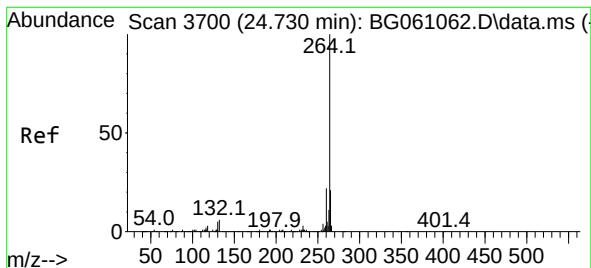
Tgt Ion:228 Resp: 37323
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 27.8 15.0 22.4#



#83
Chrysene
Concen: 5.418 ng
RT: 21.613 min Scan# 3170
Delta R.T. -0.027 min
Lab File: BG061221.D
Acq: 16 May 2024 15:16

Tgt Ion:228 Resp: 56544
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 24.0 14.8 22.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.686 min Scan# 3

Delta R.T. -0.044 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Instrument :

BNA_G

ClientSampleId :

B-114-SB02

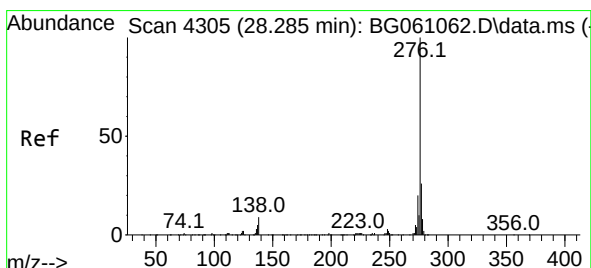
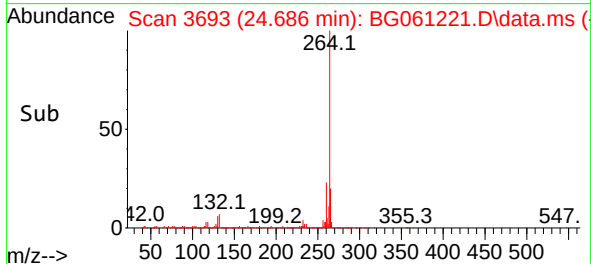
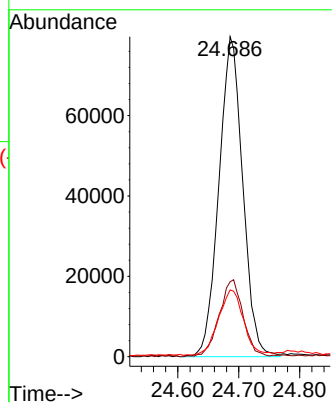
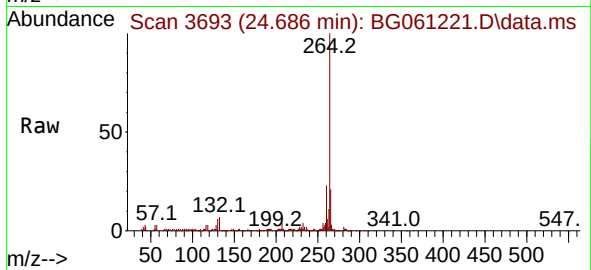
Tgt Ion:264 Resp: 216176

Ion Ratio Lower Upper

264 100

260 23.4 17.7 26.5

265 20.8 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.044 ng

RT: 28.223 min Scan# 4295

Delta R.T. -0.062 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

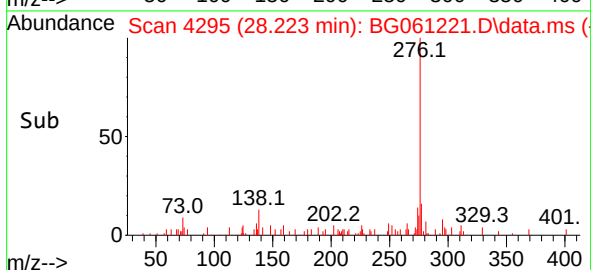
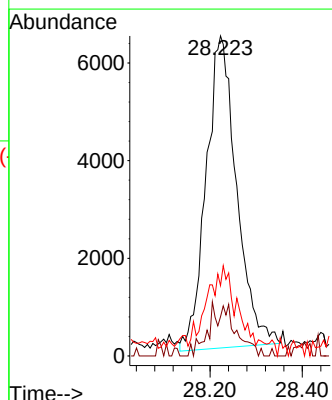
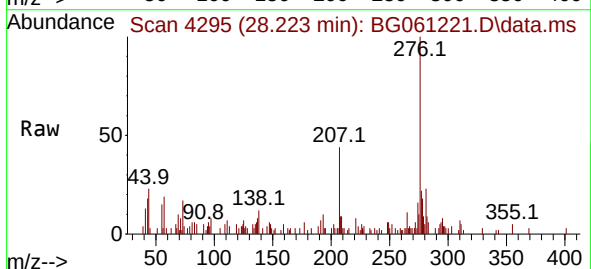
Tgt Ion:276 Resp: 29287

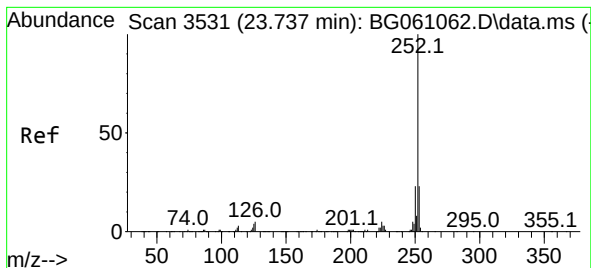
Ion Ratio Lower Upper

276 100

138 8.9 5.1 7.7#

277 5.8 20.6 30.8#





#88

Benzo(b)fluoranthene

Concen: 5.214 ng

RT: 23.699 min Scan# 3525

Delta R.T. -0.038 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Instrument :

BNA_G

ClientSampleId :

B-114-SB02

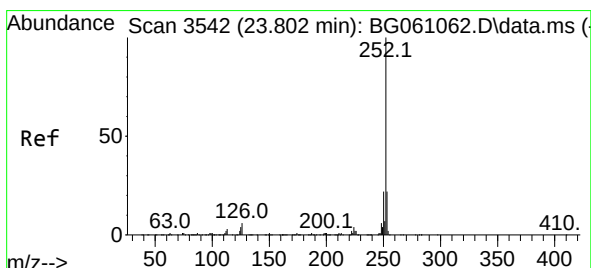
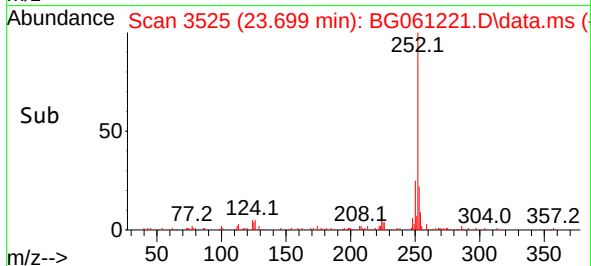
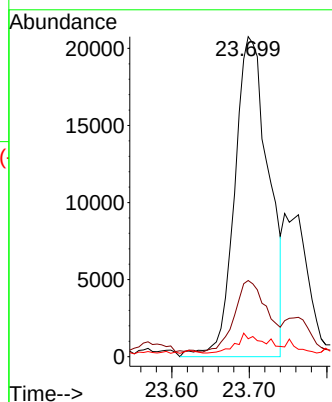
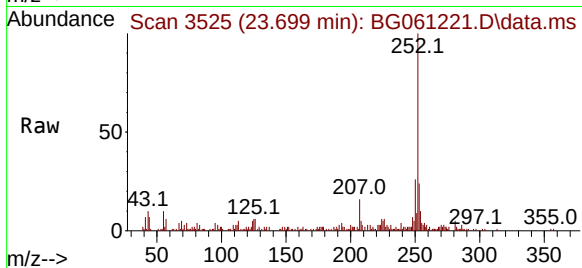
Tgt Ion:252 Resp: 62983

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

125 5.6 3.4 5.0#



#89

Benzo(k)fluoranthene

Concen: 5.420 ng

RT: 23.699 min Scan# 3525

Delta R.T. -0.103 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

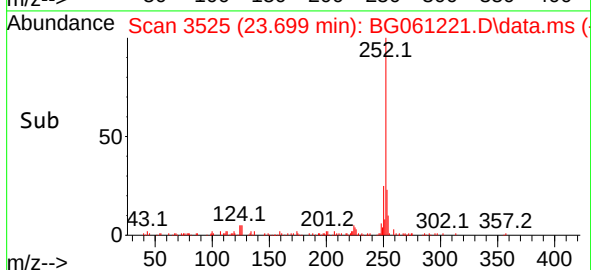
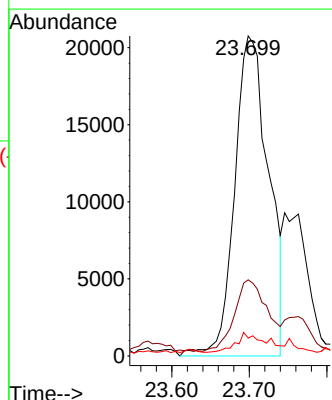
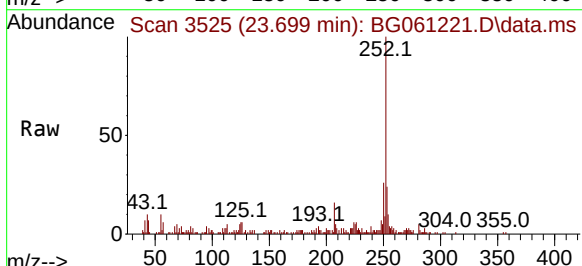
Tgt Ion:252 Resp: 62983

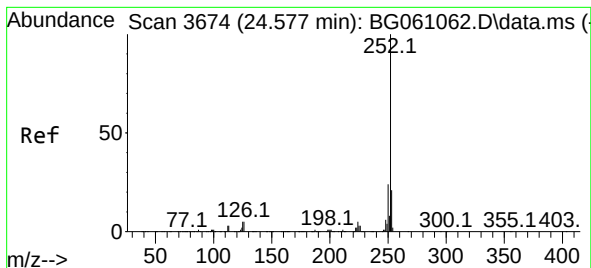
Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 5.6 3.2 4.8#





#90

Benzo(a)pyrene

Concen: 3.188 ng

RT: 24.533 min Scan# 3

Delta R.T. -0.044 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Instrument :

BNA_G

ClientSampleId :

B-114-SB02

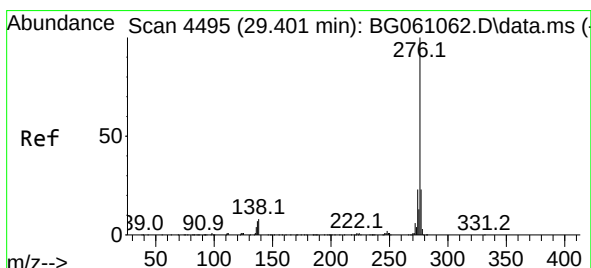
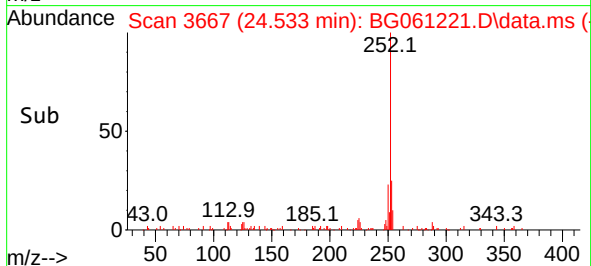
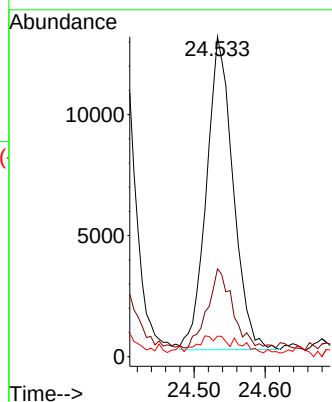
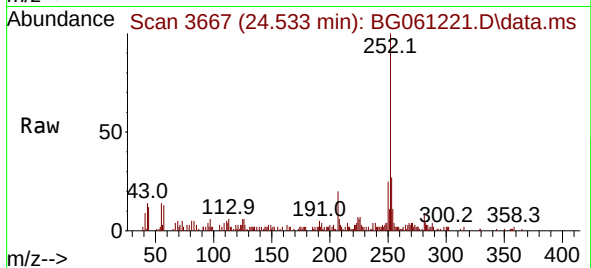
Tgt Ion:252 Resp: 33555

Ion Ratio Lower Upper

252 100

253 27.4 16.9 25.3#

125 6.4 3.8 5.8#



#92

Benzo(g,h,i)perylene

Concen: 2.490 ng

RT: 29.327 min Scan# 4483

Delta R.T. -0.074 min

Lab File: BG061221.D

Acq: 16 May 2024 15:16

Tgt Ion:276 Resp: 29362

Ion Ratio Lower Upper

276 100

277 24.5 18.2 27.4

138 11.6 6.2 9.2#

