

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051024\
 Data File : BG061168.D
 Acq On : 10 May 2024 18:20
 Operator : MA/JU
 Sample : P2430-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1011UMR-SS001-1224-01

Quant Time: May 10 23:01:16 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)

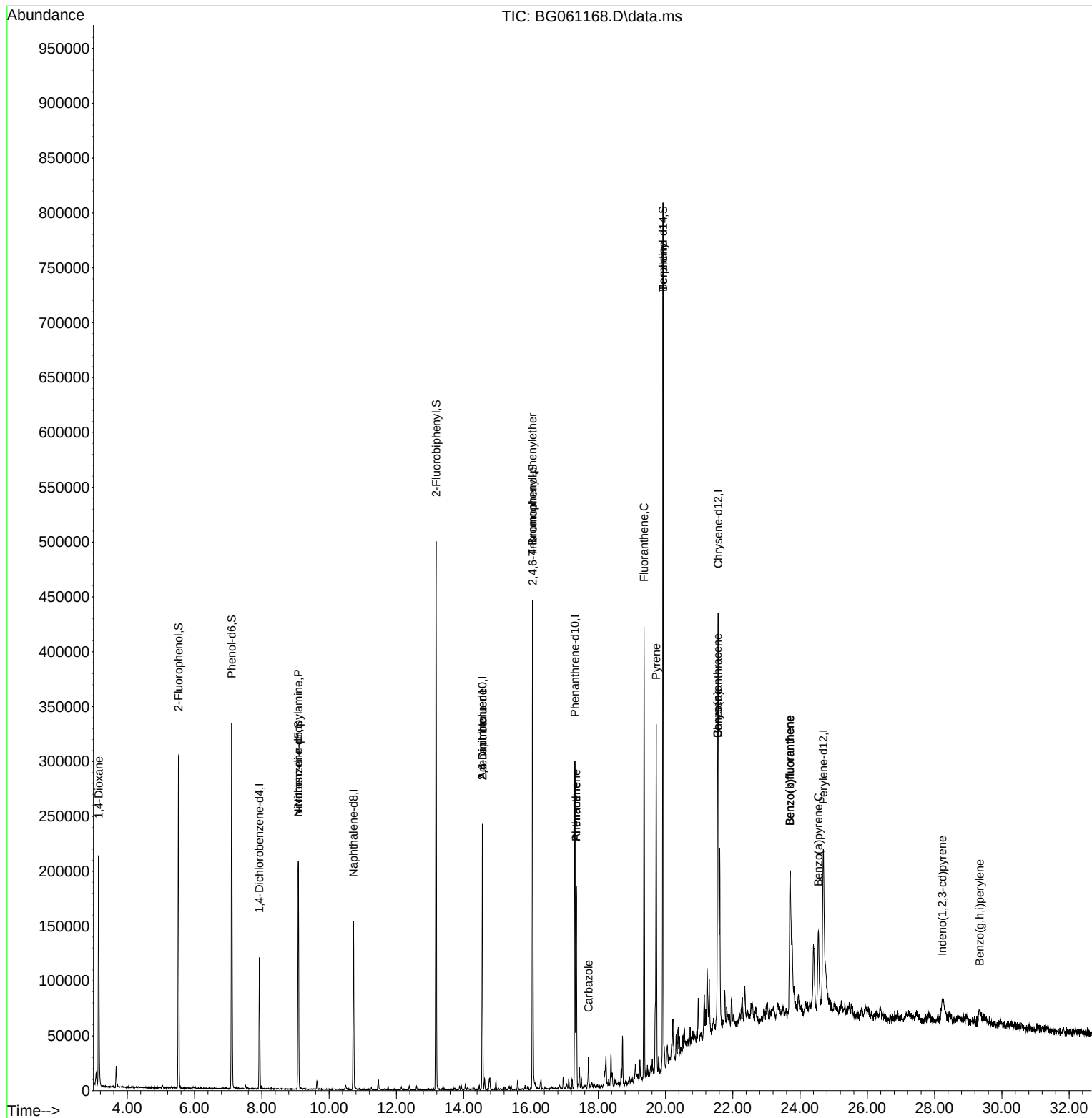
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	29929	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	117059	20.000	ng	-0.03
39) Acenaphthene-d10	14.557	164	88670	20.000	ng	-0.03
64) Phenanthrene-d10	17.307	188	199793	20.000	ng	#-0.03
76) Chrysene-d12	21.566	240	197143	20.000	ng	-0.03
86) Perylene-d12	24.692	264	224514	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	109385	74.329	ng	-0.02
7) Phenol-d6	7.107	99	148597	68.258	ng	-0.03
23) Nitrobenzene-d5	9.087	82	107949	45.714	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	100313	56.599	ng	-0.02
45) 2-Fluorobiphenyl	13.182	172	253546	42.283	ng	-0.03
79) Terphenyl-d14	19.927	244	401082	33.836	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.153	88	1955	3.286	ng	# 1
9) Benzaldehyde	7.119	77	352	Below Cal		# 3
19) n-Nitroso-di-n-propyla...	9.087	70	16283	9.994	ng	# 63
51) 2,6-Dinitrotoluene	14.557	165	11539	7.877	ng	# 17
57) 2,4-Dinitrotoluene	14.557	165	11539	5.324	ng	# 18
67) 4-Bromophenyl-phenylether	16.049	248	5797	2.463	ng	# 1
71) Phenanthrene	17.348	178	115459	12.639	ng	95
72) Anthracene	17.348	178	115459	12.666	ng	95
73) Carbazole	17.712	167	17612	2.197	ng	94
75) Fluoranthene	19.363	202	269880	21.564	ng	99
77) Benzidine	19.927	184	6290	4.374	ng	# 81
78) Pyrene	19.727	202	214664	17.127	ng	99
81) Benzo(a)anthracene	21.549	228	105538	8.181	ng	95
83) Chrysene	21.549	228	105538	8.732	ng	99
87) Indeno(1,2,3-cd)pyrene	28.229	276	49999	3.360	ng	# 91
88) Benzo(b)fluoranthene	23.705	252	181514	14.468	ng	# 94
89) Benzo(k)fluoranthene	23.705	252	181514	15.039	ng	# 96
90) Benzo(a)pyrene	24.545	252	98893	9.048	ng	93
92) Benzo(g,h,i)perylene	29.340	276	37643	3.074	ng	# 94

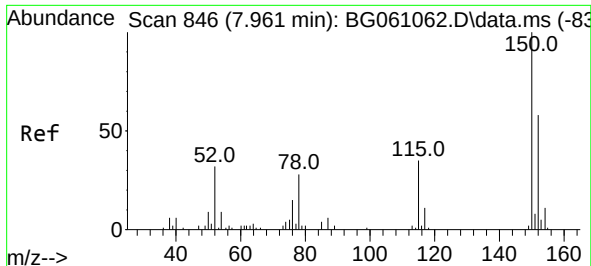
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051024\
Data File : BG061168.D
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Sample : P2430-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
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1011UMR-SS001-1224-01

Quant Time: May 10 23:01:16 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

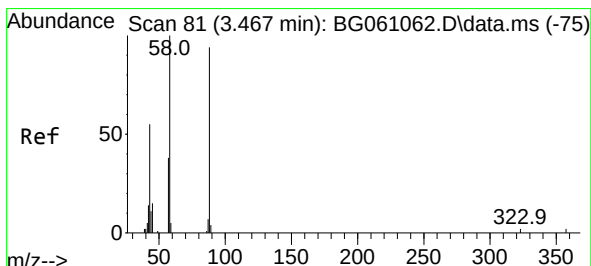
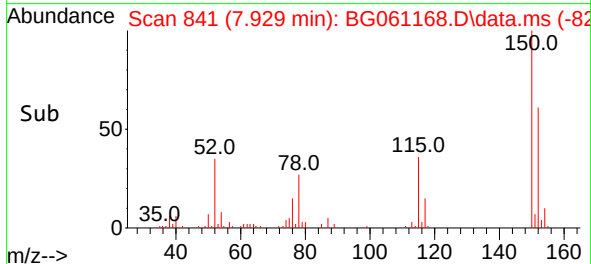
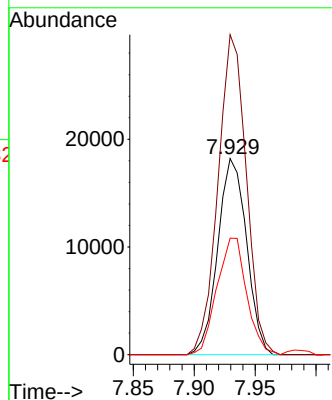
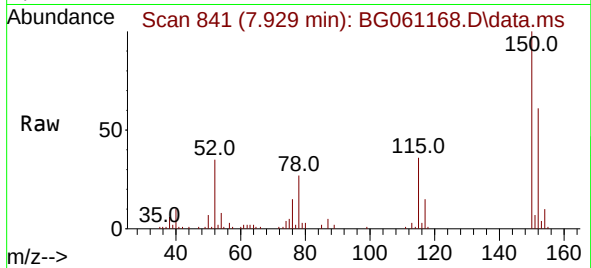




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 84
Delta R.T. -0.032 min
Lab File: BG061168.D
Acq: 10 May 2024 18:20

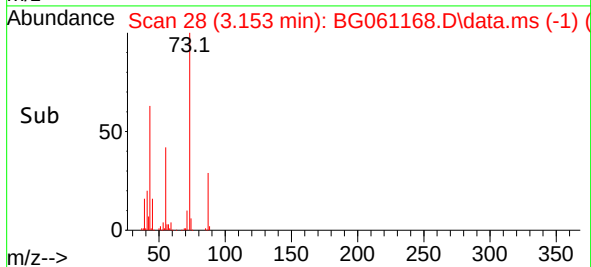
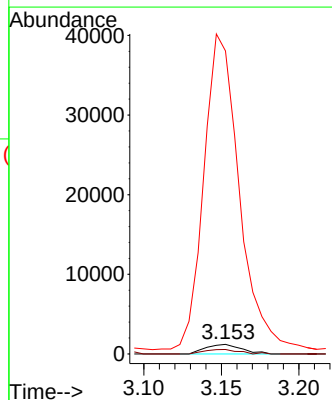
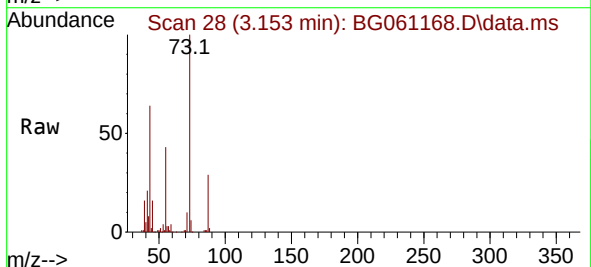
Instrument :
BNA_G
ClientSampleId :
1011UMR-SS001-1224-01

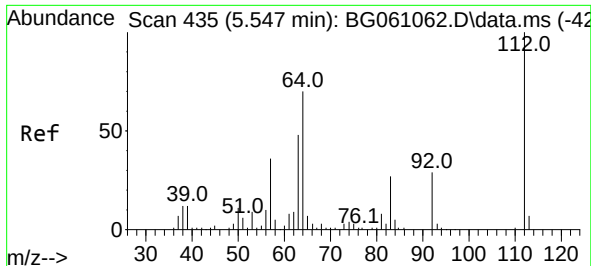
Tgt Ion:152 Resp: 29929
Ion Ratio Lower Upper
152 100
150 163.1 138.3 207.5
115 59.4 48.0 72.0



#2
1,4-Dioxane
Concen: 3.286 ng
RT: 3.153 min Scan# 28
Delta R.T. -0.314 min
Lab File: BG061168.D
Acq: 10 May 2024 18:20

Tgt Ion: 88 Resp: 1955
Ion Ratio Lower Upper
88 100
58 45.6 81.2 121.8#
43 3260.3 45.0 67.4#

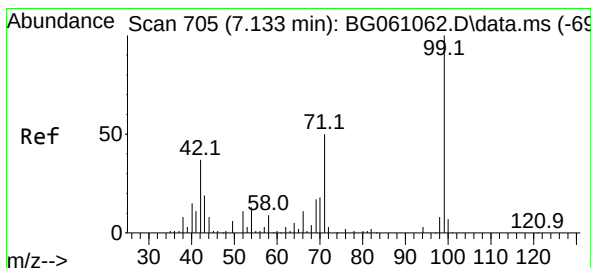
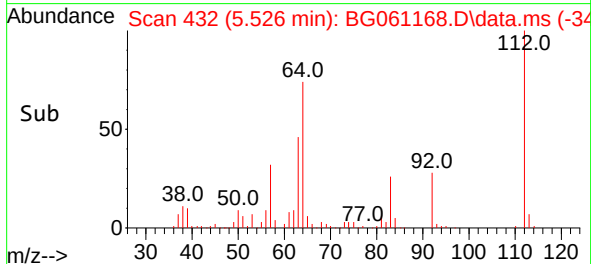
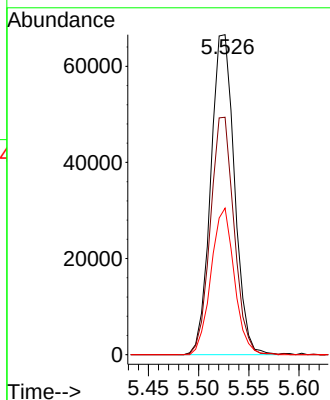
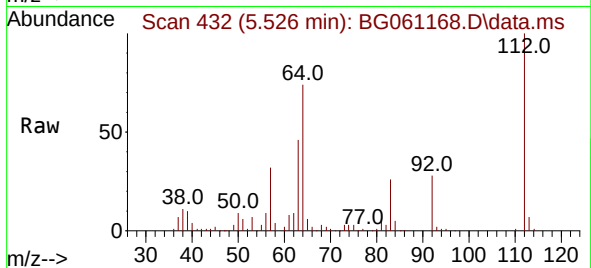




#5
2-Fluorophenol
Concen: 74.329 ng
RT: 5.526 min Scan# 411
Delta R.T. -0.020 min
Lab File: BG061168.D
Acq: 10 May 2024 18:20

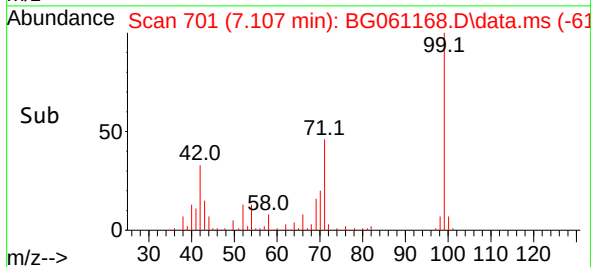
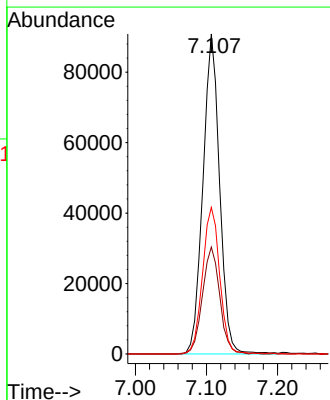
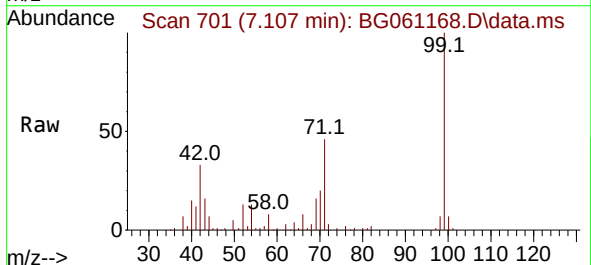
Instrument :
BNA_G
ClientSampleId :
1011UMR-SS001-1224-01

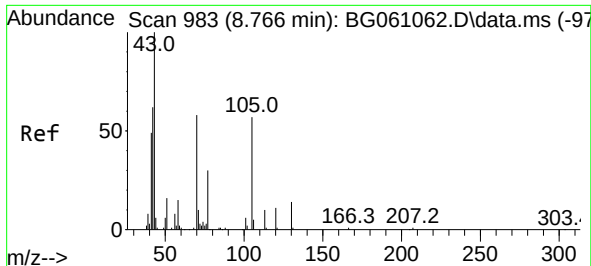
Tgt Ion:112 Resp: 109385
Ion Ratio Lower Upper
112 100
64 74.2 55.7 83.5
63 45.8 38.1 57.1



#7
Phenol-d6
Concen: 68.258 ng
RT: 7.107 min Scan# 701
Delta R.T. -0.026 min
Lab File: BG061168.D
Acq: 10 May 2024 18:20

Tgt Ion: 99 Resp: 148597
Ion Ratio Lower Upper
99 100
42 33.4 29.2 43.8
71 45.8 39.7 59.5

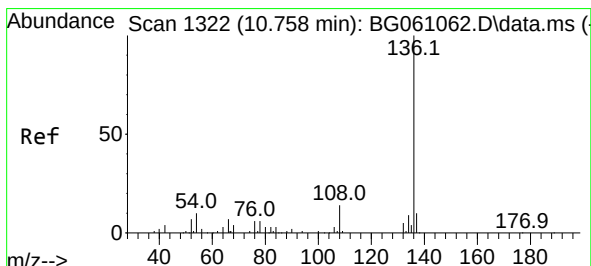
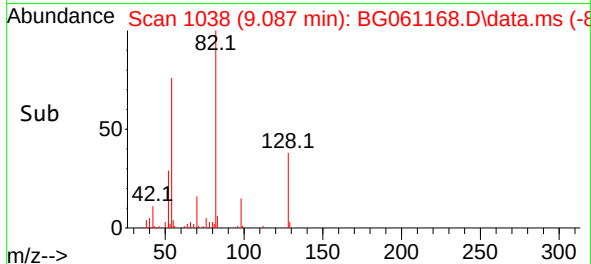
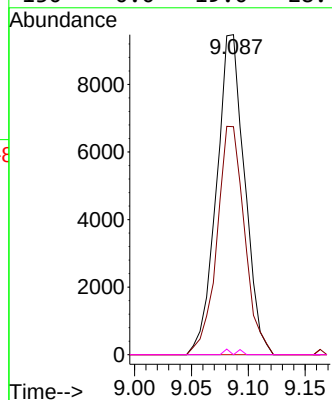
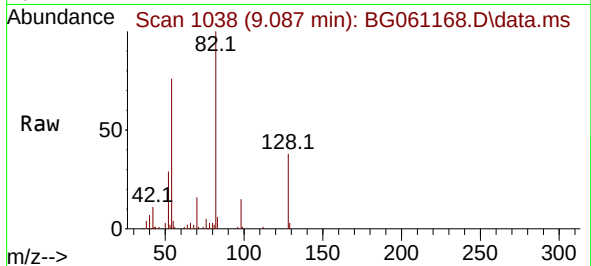




#19
n-Nitroso-di-n-propylamine
Concen: 9.994 ng
RT: 9.087 min Scan# 1010
Delta R.T. 0.321 min
Lab File: BG061168.D
Acq: 10 May 2024 18:20

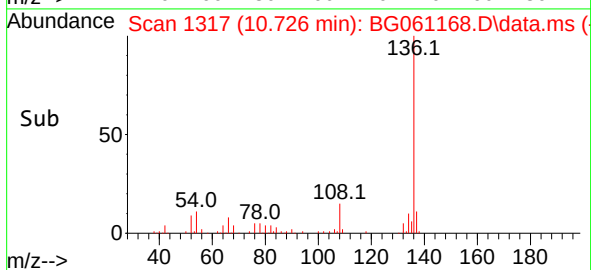
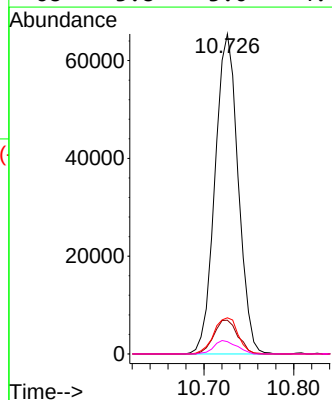
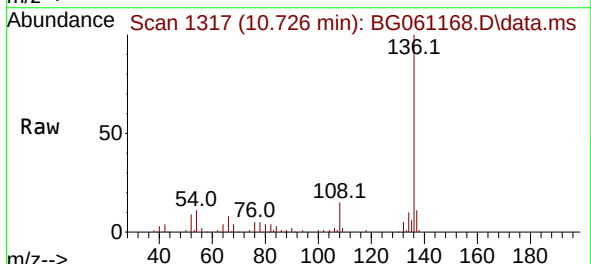
Instrument :
BNA_G
ClientSampleId :
1011UMR-SS001-1224-01

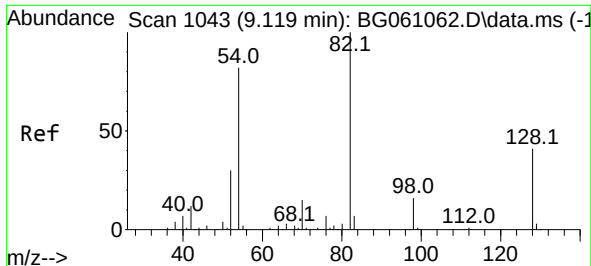
Tgt Ion: 70 Resp: 16283
Ion Ratio Lower Upper
70 100
42 71.2 86.4 129.6#
101 0.0 7.8 11.8#
130 0.0 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1317
Delta R.T. -0.032 min
Lab File: BG061168.D
Acq: 10 May 2024 18:20

Tgt Ion: 136 Resp: 117059
Ion Ratio Lower Upper
136 100
137 10.5 7.8 11.6
54 11.3 8.1 12.1
68 3.8 3.0 4.4





#23

Nitrobenzene-d5

Concen: 45.714 ng

RT: 9.087 min Scan# 1043

Delta R.T. -0.032 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

Instrument :

BNA_G

ClientSampleId :

1011UMR-SS001-1224-01

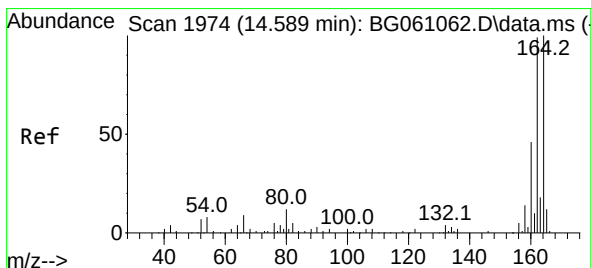
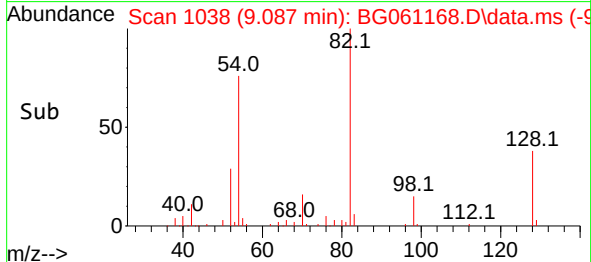
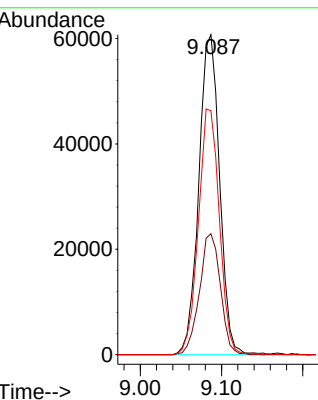
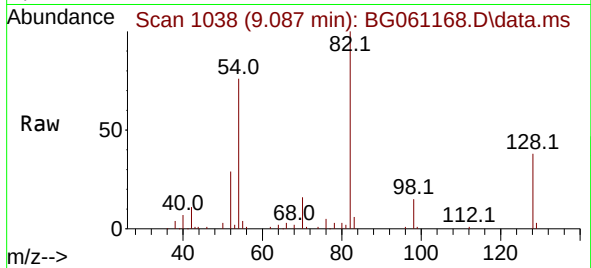
Tgt Ion: 82 Resp: 107949

Ion Ratio Lower Upper

82 100

128 37.8 32.7 49.1

54 76.2 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1969

Delta R.T. -0.032 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

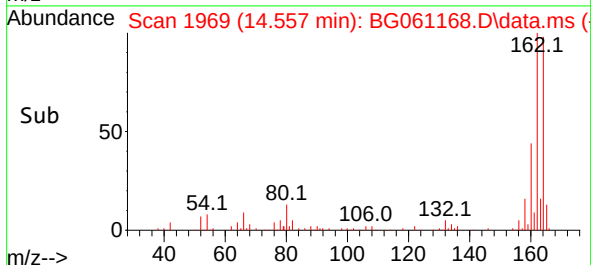
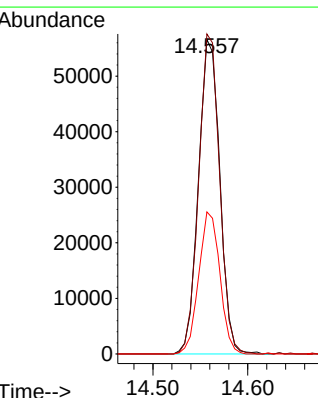
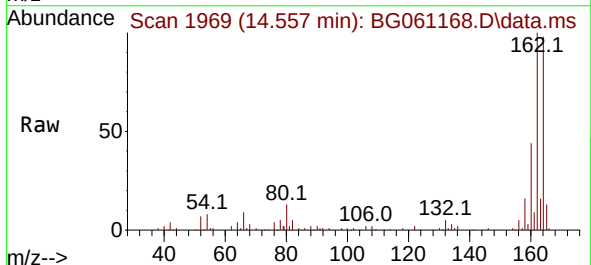
Tgt Ion:164 Resp: 88670

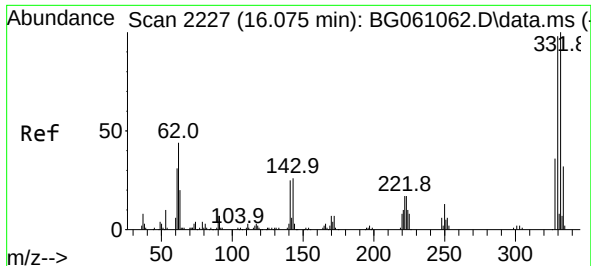
Ion Ratio Lower Upper

164 100

162 101.8 79.4 119.2

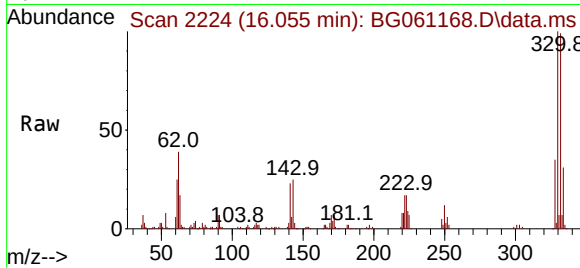
160 45.2 37.0 55.6



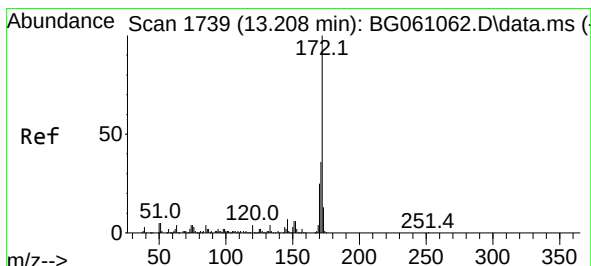
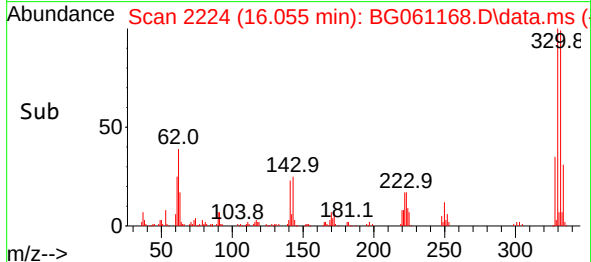
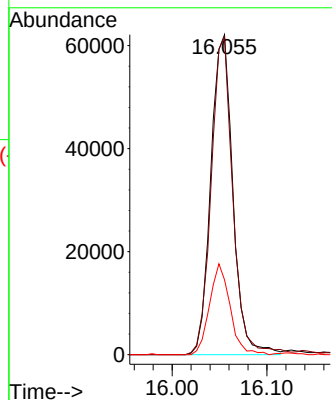


#42
2,4,6-Tribromophenol
Concen: 56.599 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061168.D
Acq: 10 May 2024 18:20

Instrument :
BNA_G
ClientSampleId :
1011UMR-SS001-1224-01

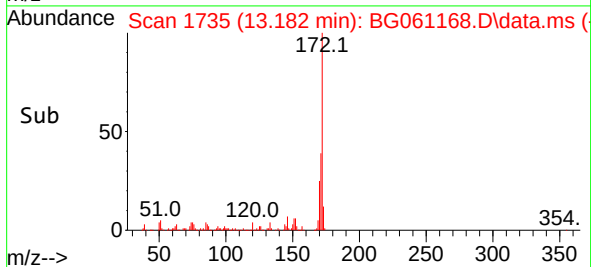
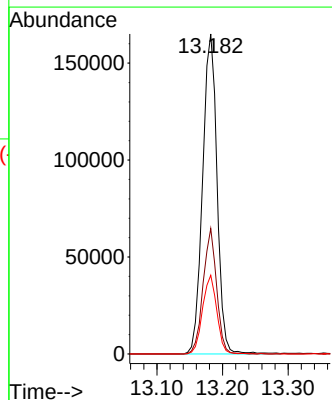
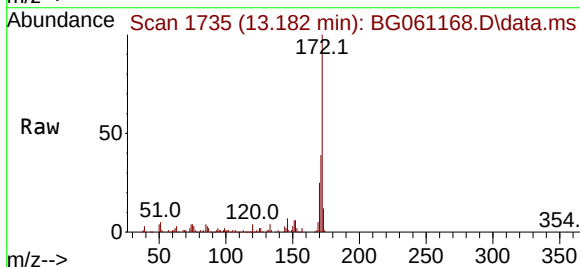


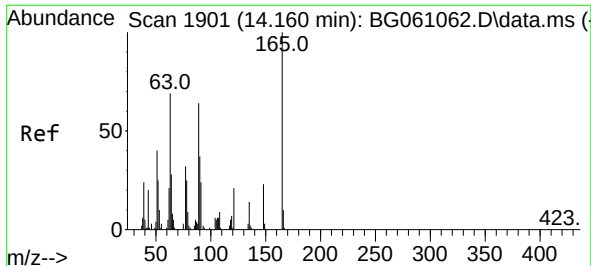
Tgt Ion:330 Resp: 100313
Ion Ratio Lower Upper
330 100
332 97.5 78.6 117.8
141 26.4 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 42.283 ng
RT: 13.182 min Scan# 1735
Delta R.T. -0.026 min
Lab File: BG061168.D
Acq: 10 May 2024 18:20

Tgt Ion:172 Resp: 253546
Ion Ratio Lower Upper
172 100
171 39.2 29.0 43.6
170 24.6 20.2 30.4

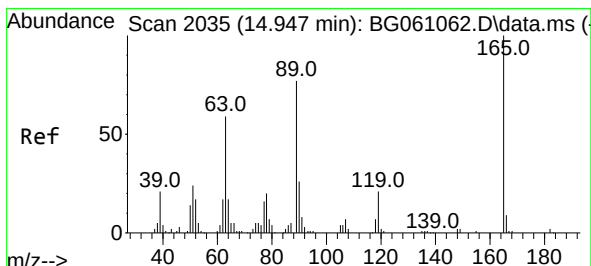
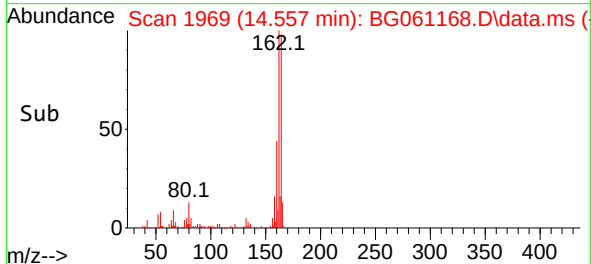
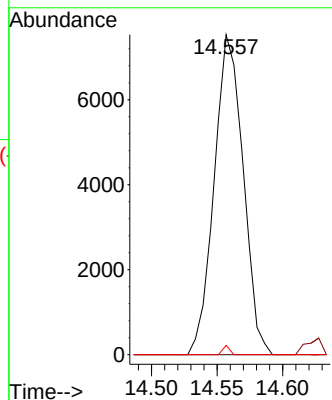
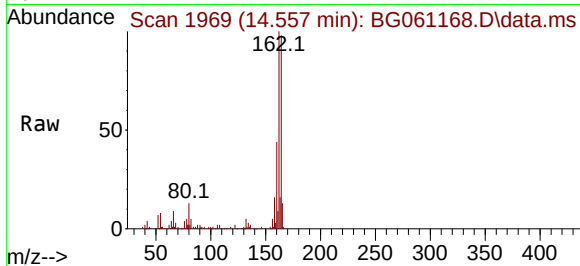




#51
2,6-Dinitrotoluene
Concen: 7.877 ng
RT: 14.557 min Scan# 1901
Delta R.T. 0.397 min
Lab File: BG061168.D
Acq: 10 May 2024 18:20

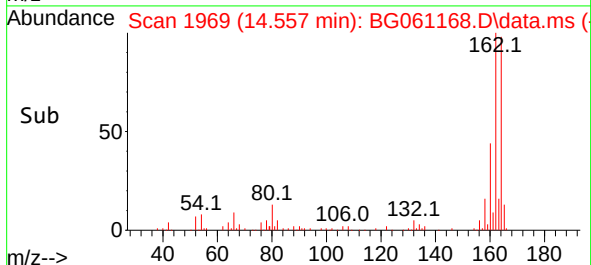
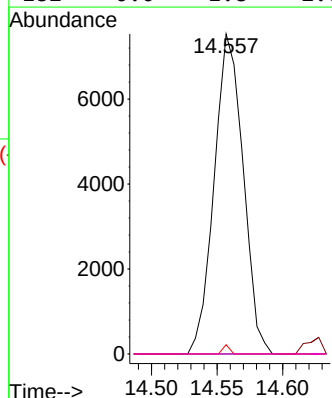
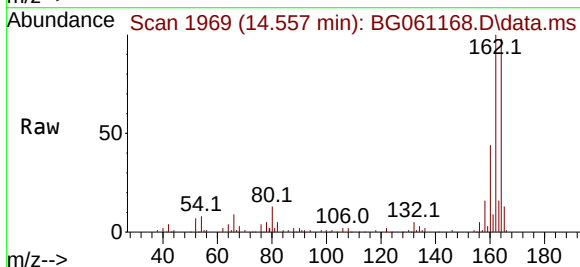
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BNA_G
ClientSampleId :
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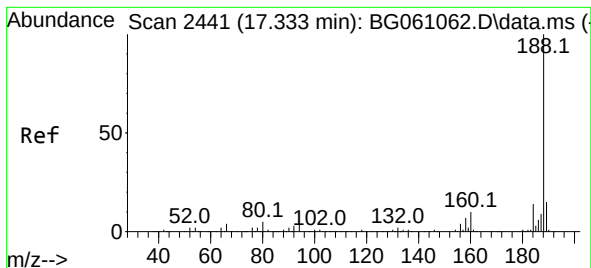
Tgt Ion:165 Resp: 11539
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 2.9 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.324 ng
RT: 14.557 min Scan# 1969
Delta R.T. -0.390 min
Lab File: BG061168.D
Acq: 10 May 2024 18:20

Tgt Ion:165 Resp: 11539
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 2.9 61.8 92.8#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.307 min Scan# 2441

Delta R.T. -0.026 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

Instrument :

BNA_G

ClientSampleId :

1011UMR-SS001-1224-01

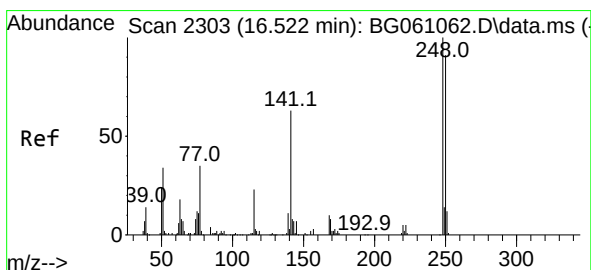
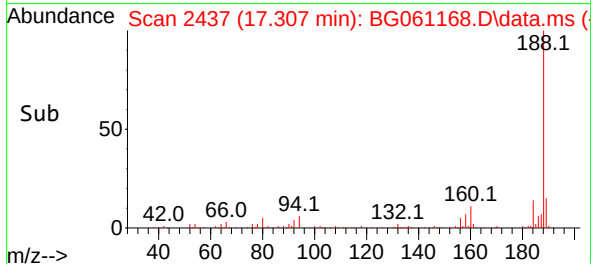
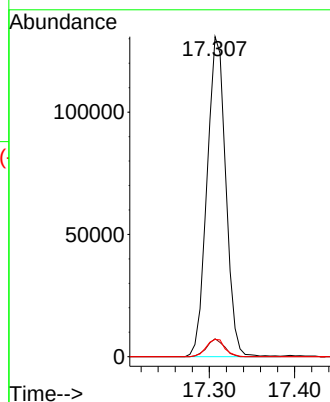
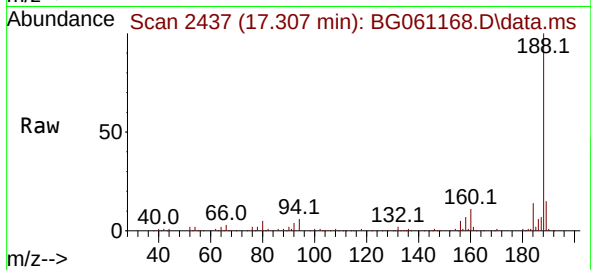
Tgt Ion:188 Resp: 199793

Ion Ratio Lower Upper

188 100

94 5.6 3.6 5.4#

80 5.4 4.2 6.2



#67

4-Bromophenyl-phenylether

Concen: 2.463 ng

RT: 16.049 min Scan# 2223

Delta R.T. -0.473 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

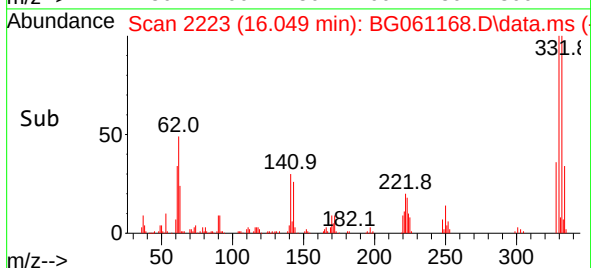
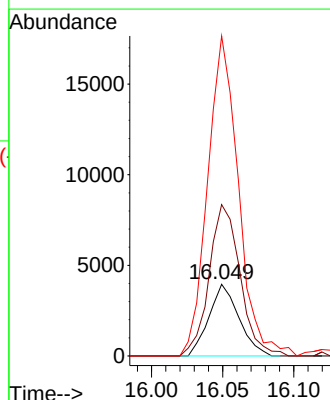
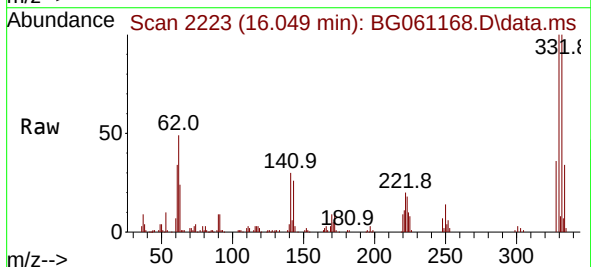
Tgt Ion:248 Resp: 5797

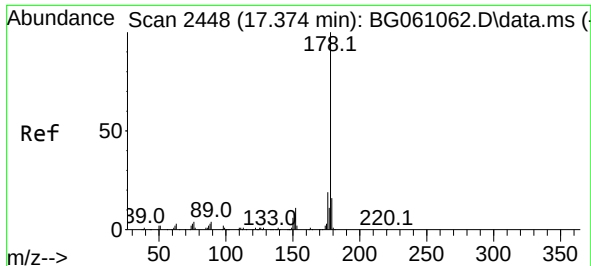
Ion Ratio Lower Upper

248 100

250 211.2 73.0 109.4#

141 446.6 50.8 76.2#

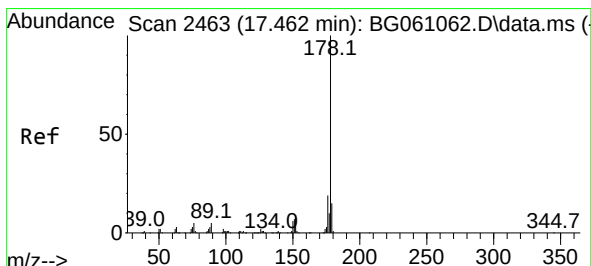
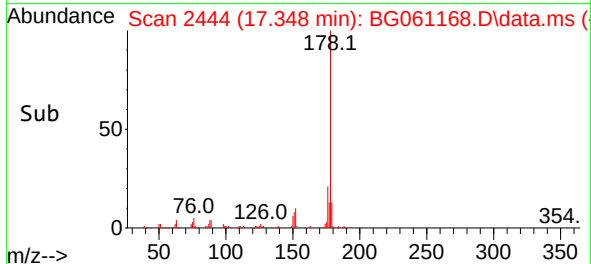
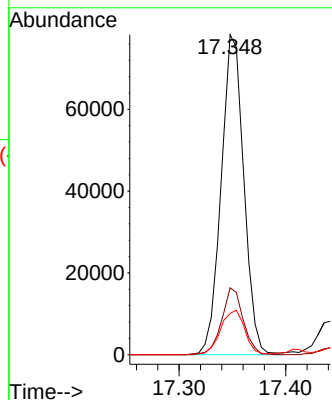
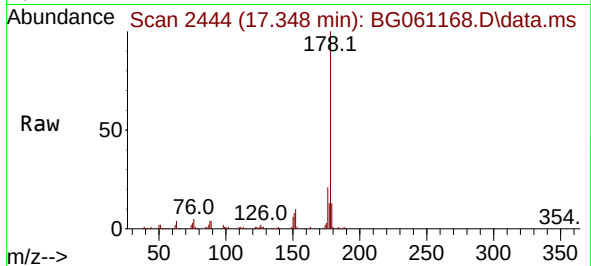




#71
Phenanthrene
Concen: 12.639 ng
RT: 17.348 min Scan# 2444
Delta R.T. -0.026 min
Lab File: BG061168.D
Acq: 10 May 2024 18:20

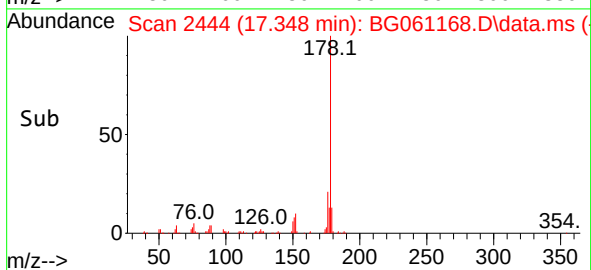
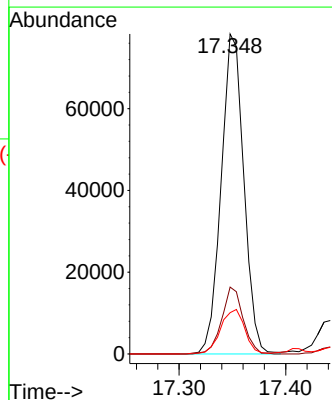
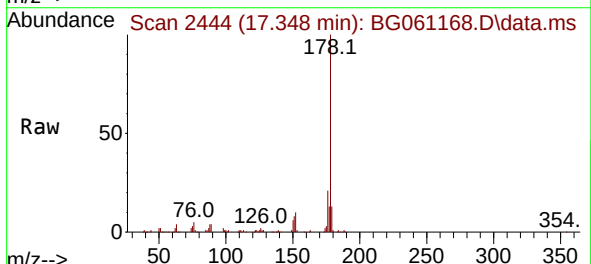
Instrument :
BNA_G
ClientSampleId :
1011UMR-SS001-1224-01

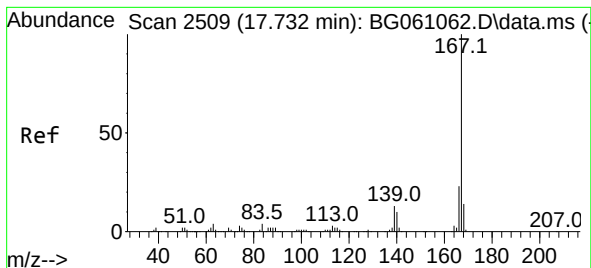
Tgt Ion:178 Resp: 115459
Ion Ratio Lower Upper
178 100
176 20.9 15.5 23.3
179 12.9 12.6 19.0



#72
Anthracene
Concen: 12.666 ng
RT: 17.348 min Scan# 2444
Delta R.T. -0.114 min
Lab File: BG061168.D
Acq: 10 May 2024 18:20

Tgt Ion:178 Resp: 115459
Ion Ratio Lower Upper
178 100
176 20.9 15.0 22.6
179 12.9 12.0 18.0





#73

Carbazole

Concen: 2.197 ng

RT: 17.712 min Scan# 21

Delta R.T. -0.020 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

Instrument :

BNA_G

ClientSampleId :

1011UMR-SS001-1224-01

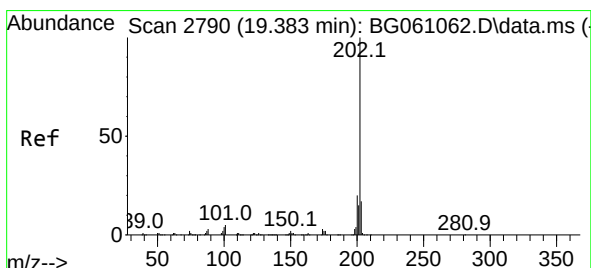
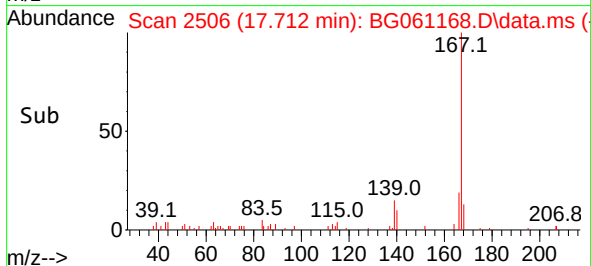
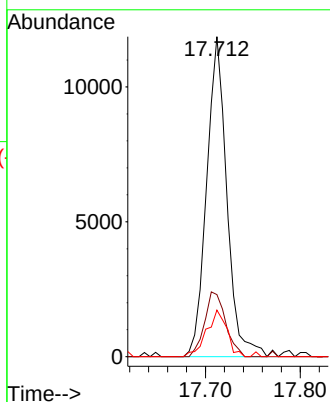
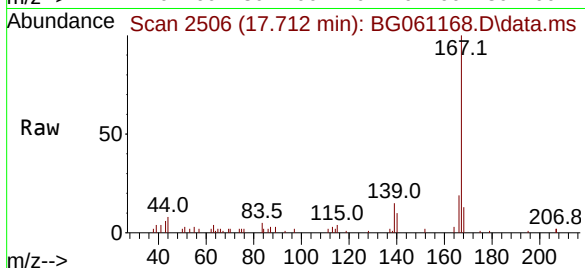
Tgt Ion:167 Resp: 17612

Ion Ratio Lower Upper

167 100

166 19.4 18.7 28.1

139 14.6 10.6 15.8



#75

Fluoranthene

Concen: 21.564 ng

RT: 19.363 min Scan# 2787

Delta R.T. -0.020 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

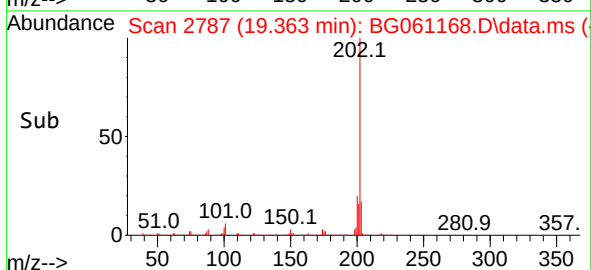
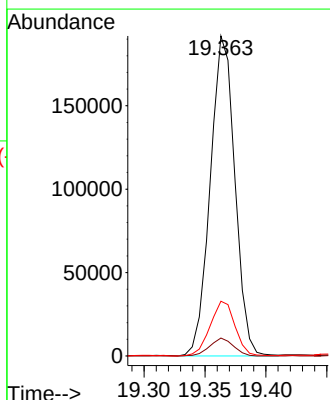
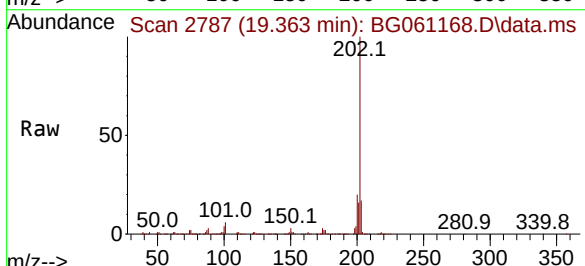
Tgt Ion:202 Resp: 269880

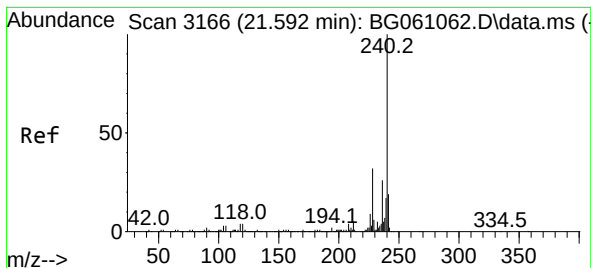
Ion Ratio Lower Upper

202 100

101 5.6 0.0 24.7

203 17.1 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.566 min Scan# 31

Delta R.T. -0.026 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

Instrument :

BNA_G

ClientSampleId :

1011UMR-SS001-1224-01

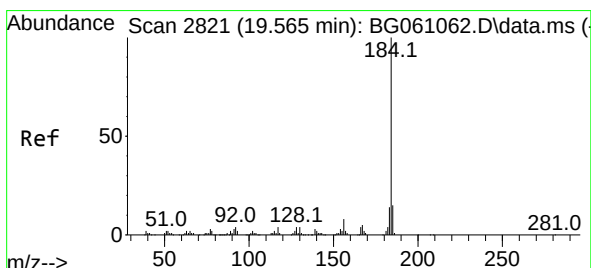
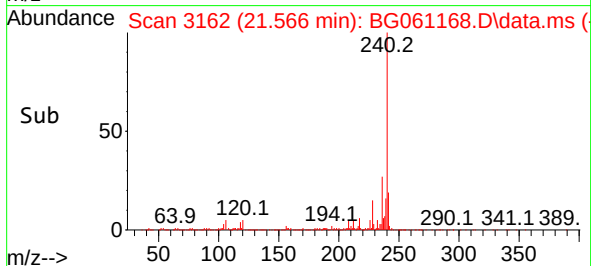
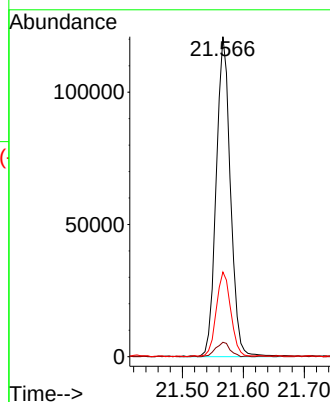
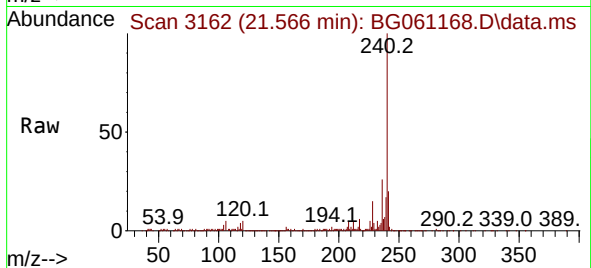
Tgt Ion:240 Resp: 197143

Ion Ratio Lower Upper

240 100

120 4.5 3.2 4.8

236 26.4 21.0 31.6



#77

Benzidine

Concen: 4.374 ng

RT: 19.927 min Scan# 2883

Delta R.T. 0.362 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

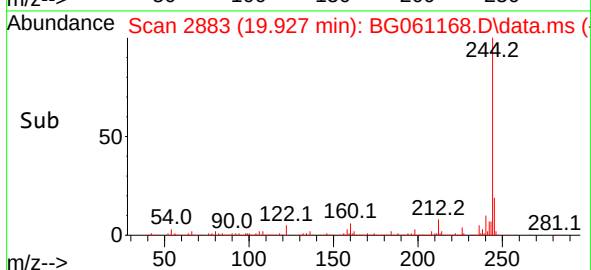
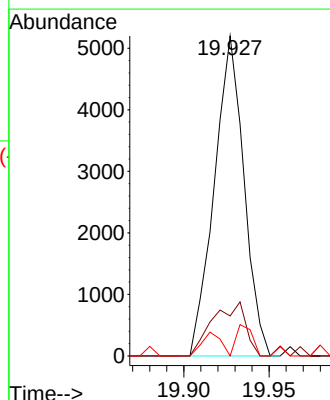
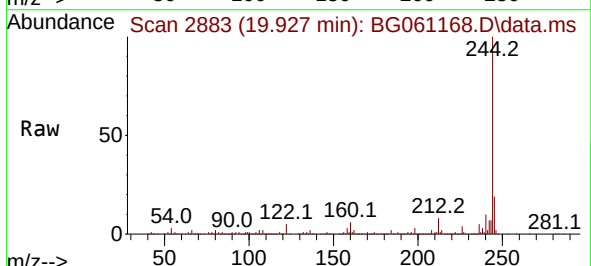
Tgt Ion:184 Resp: 6290

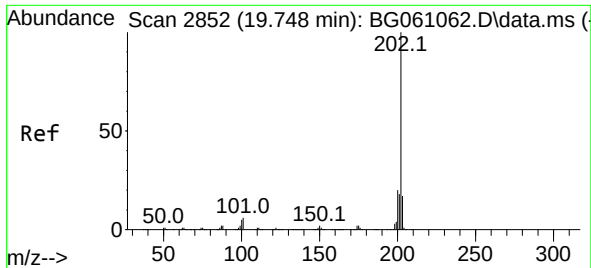
Ion Ratio Lower Upper

184 100

185 12.5 12.0 18.0

183 0.0 10.9 16.3#

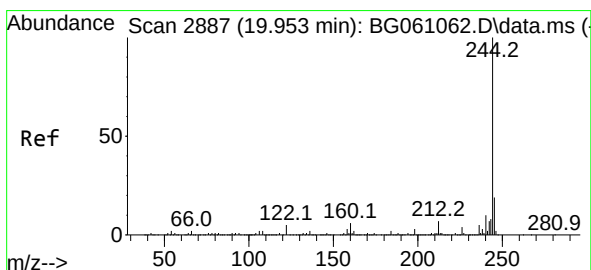
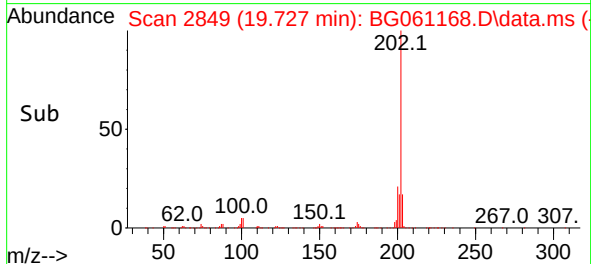
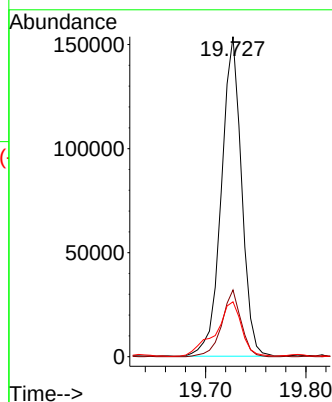
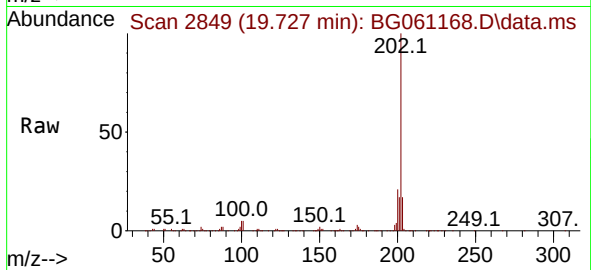




#78
 Pyrene
 Concen: 17.127 ng
 RT: 19.727 min Scan# 2849
 Delta R.T. -0.020 min
 Lab File: BG061168.D
 Acq: 10 May 2024 18:20

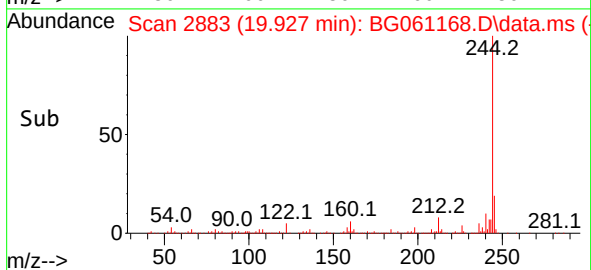
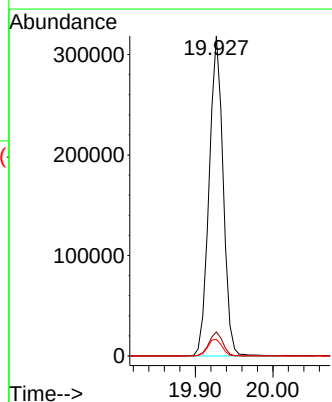
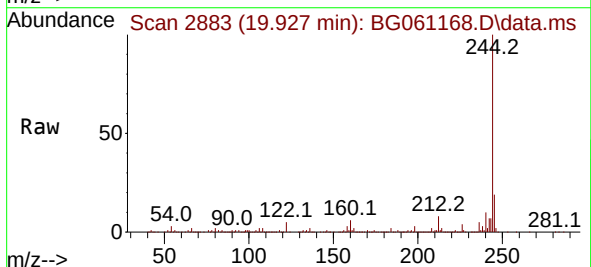
Instrument :
 BNA_G
 ClientSampleId :
 1011UMR-SS001-1224-01

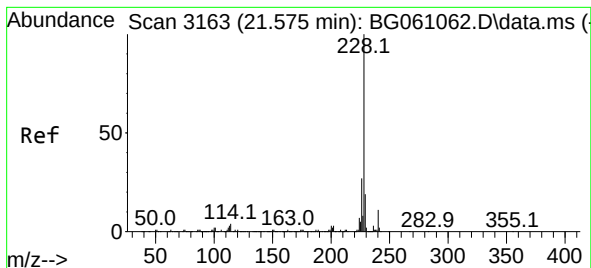
Tgt Ion:	202	Resp:	214664
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.2	24.4
203	17.1	13.3	19.9



#79
 Terphenyl-d14
 Concen: 33.836 ng
 RT: 19.927 min Scan# 2883
 Delta R.T. -0.026 min
 Lab File: BG061168.D
 Acq: 10 May 2024 18:20

Tgt Ion:	244	Resp:	401082
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.7	8.5
122	5.1	4.2	6.2





#81

Benzo(a)anthracene

Concen: 8.181 ng

RT: 21.549 min Scan# 3159

Delta R.T. -0.026 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

Instrument :

BNA_G

ClientSampleId :

1011UMR-SS001-1224-01

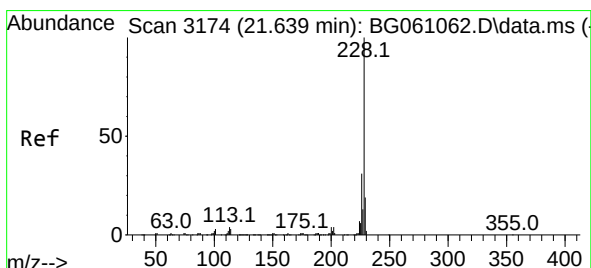
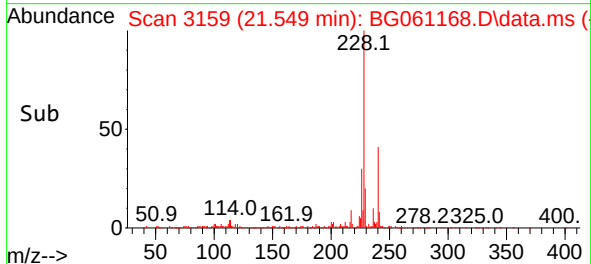
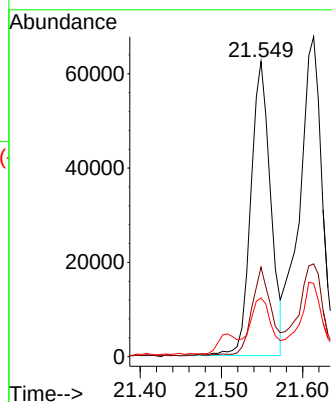
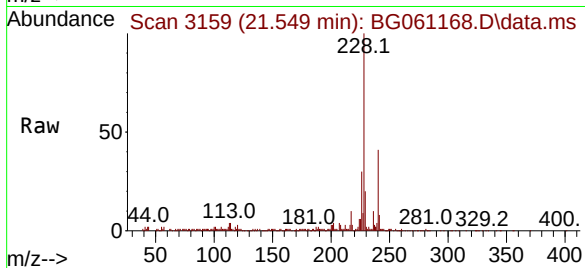
Tgt Ion:228 Resp: 105538

Ion Ratio Lower Upper

228 100

226 30.3 21.6 32.4

229 19.9 15.0 22.4



#83

Chrysene

Concen: 8.732 ng

RT: 21.549 min Scan# 3159

Delta R.T. -0.091 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

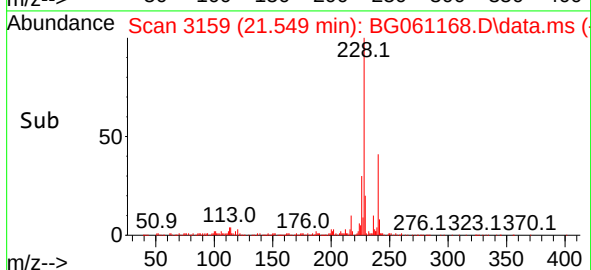
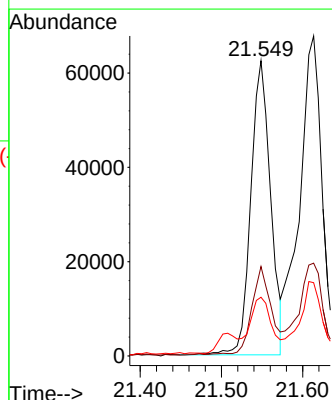
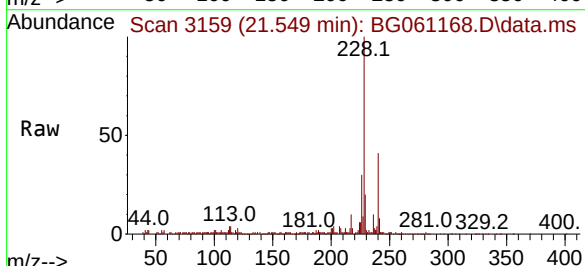
Tgt Ion:228 Resp: 105538

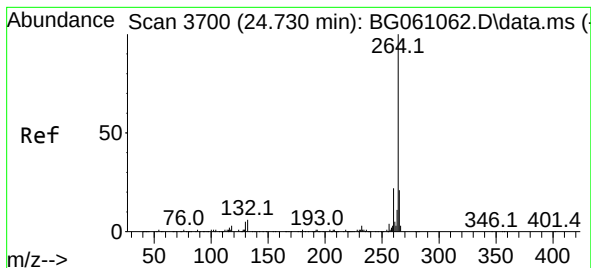
Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 19.9 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.692 min Scan# 3

Delta R.T. -0.038 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

Instrument :

BNA_G

ClientSampleId :

1011UMR-SS001-1224-01

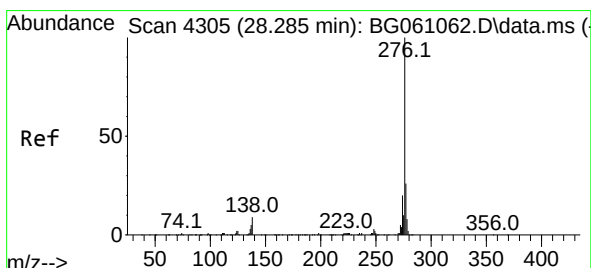
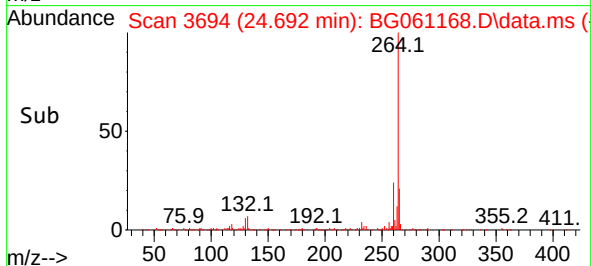
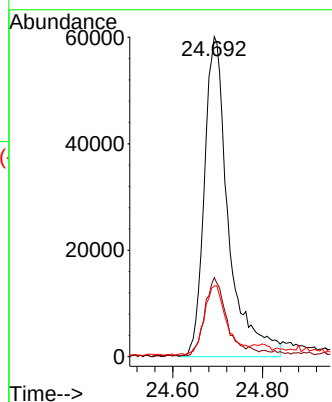
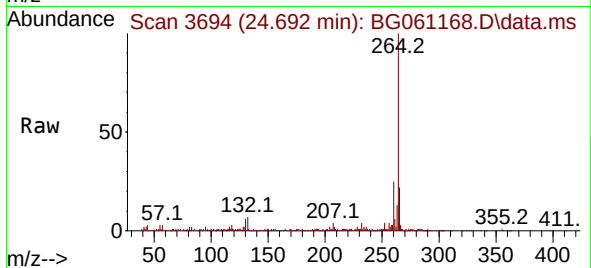
Tgt Ion:264 Resp: 224514

Ion Ratio Lower Upper

264 100

260 24.7 17.7 26.5

265 22.1 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.360 ng

RT: 28.229 min Scan# 4296

Delta R.T. -0.056 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

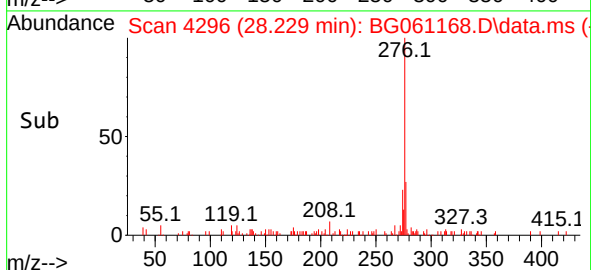
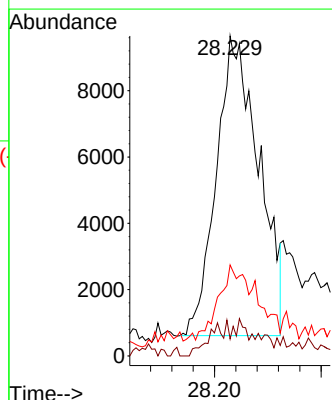
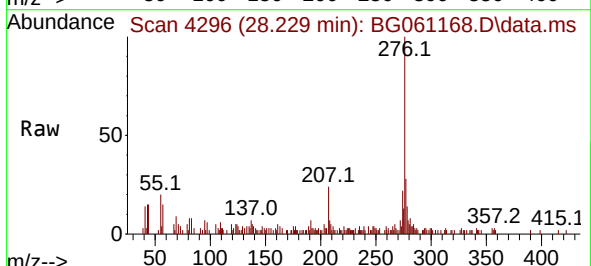
Tgt Ion:276 Resp: 49999

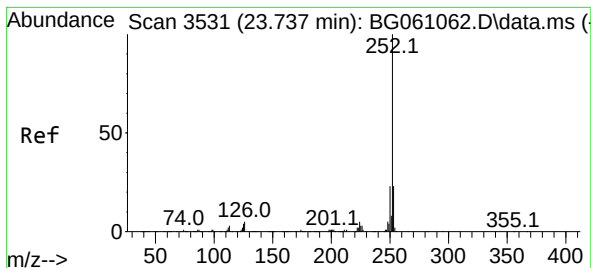
Ion Ratio Lower Upper

276 100

138 0.5 5.1 7.7#

277 22.1 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 14.468 ng

RT: 23.705 min Scan# 3526

Delta R.T. -0.032 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

Instrument :

BNA_G

ClientSampleId :

1011UMR-SS001-1224-01

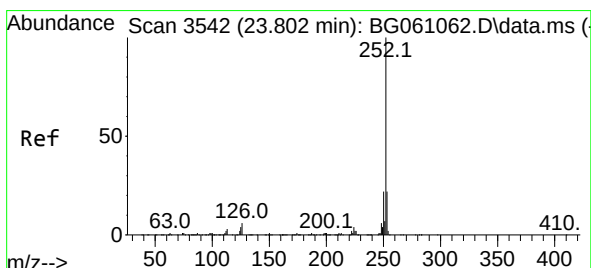
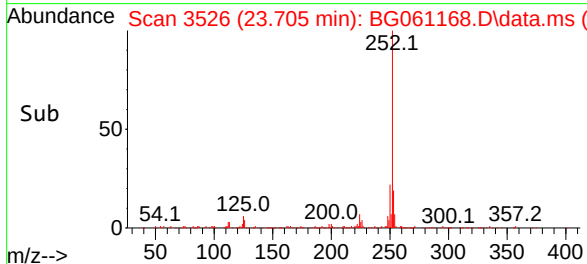
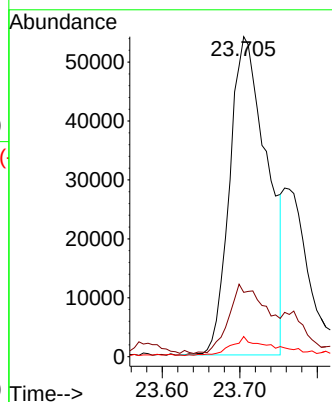
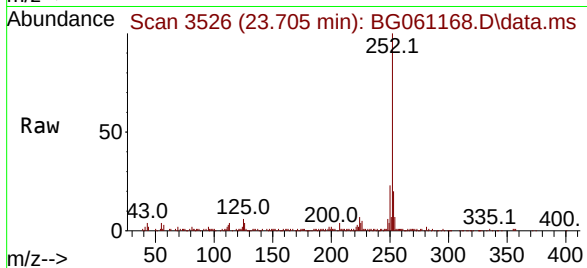
Tgt Ion:252 Resp: 181514

Ion Ratio Lower Upper

252 100

253 20.1 18.2 27.2

125 6.3 3.4 5.0#



#89

Benzo(k)fluoranthene

Concen: 15.039 ng

RT: 23.705 min Scan# 3526

Delta R.T. -0.097 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

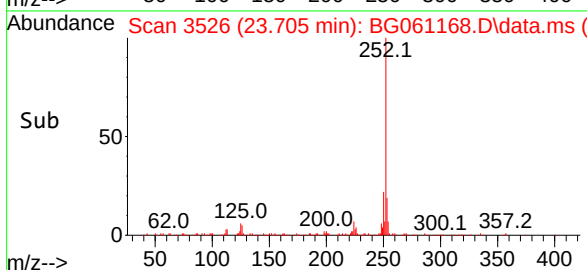
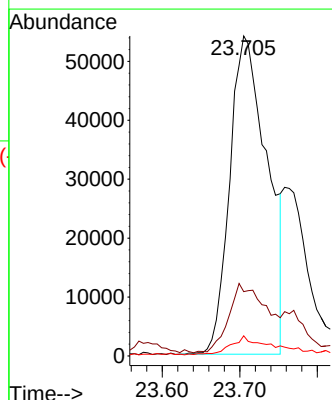
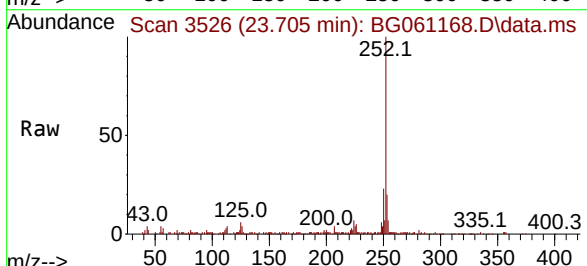
Tgt Ion:252 Resp: 181514

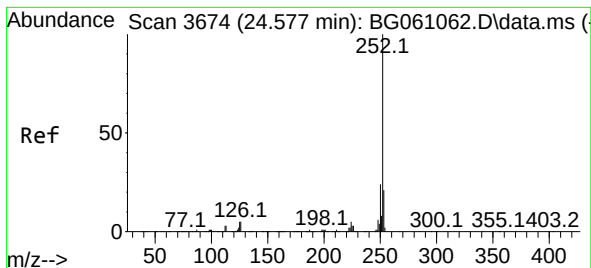
Ion Ratio Lower Upper

252 100

253 20.1 17.3 25.9

125 6.3 3.2 4.8#





#90

Benzo(a)pyrene

Concen: 9.048 ng

RT: 24.545 min Scan# 3

Delta R.T. -0.032 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

Instrument :

BNA_G

ClientSampleId :

1011UMR-SS001-1224-01

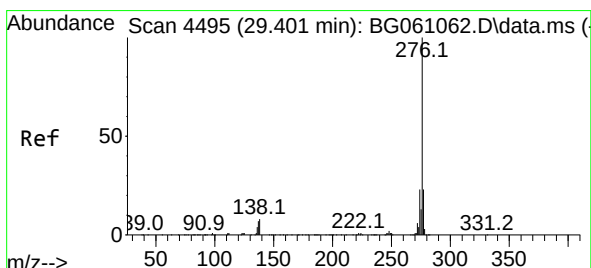
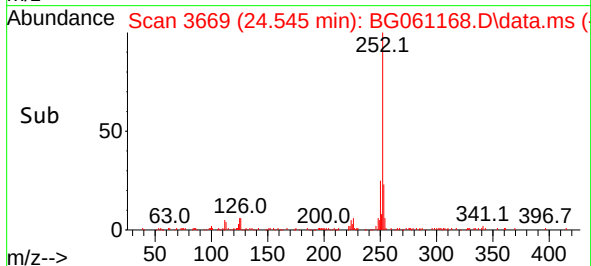
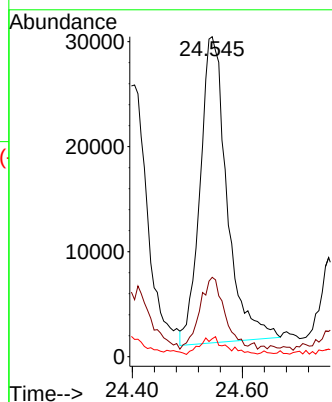
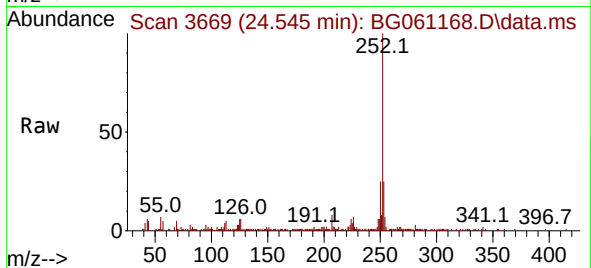
Tgt Ion:252 Resp: 98893

Ion Ratio Lower Upper

252 100

253 24.8 16.9 25.3

125 5.6 3.8 5.8



#92

Benzo(g,h,i)perylene

Concen: 3.074 ng

RT: 29.340 min Scan# 4485

Delta R.T. -0.061 min

Lab File: BG061168.D

Acq: 10 May 2024 18:20

Tgt Ion:276 Resp: 37643

Ion Ratio Lower Upper

276 100

277 24.6 18.2 27.4

138 12.0 6.2 9.2#

