

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
 Data File : BG061120.D
 Acq On : 6 May 2024 14:46
 Operator : MA/JU
 Sample : P2390-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BG-1

Quant Time: May 06 15:43:37 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)

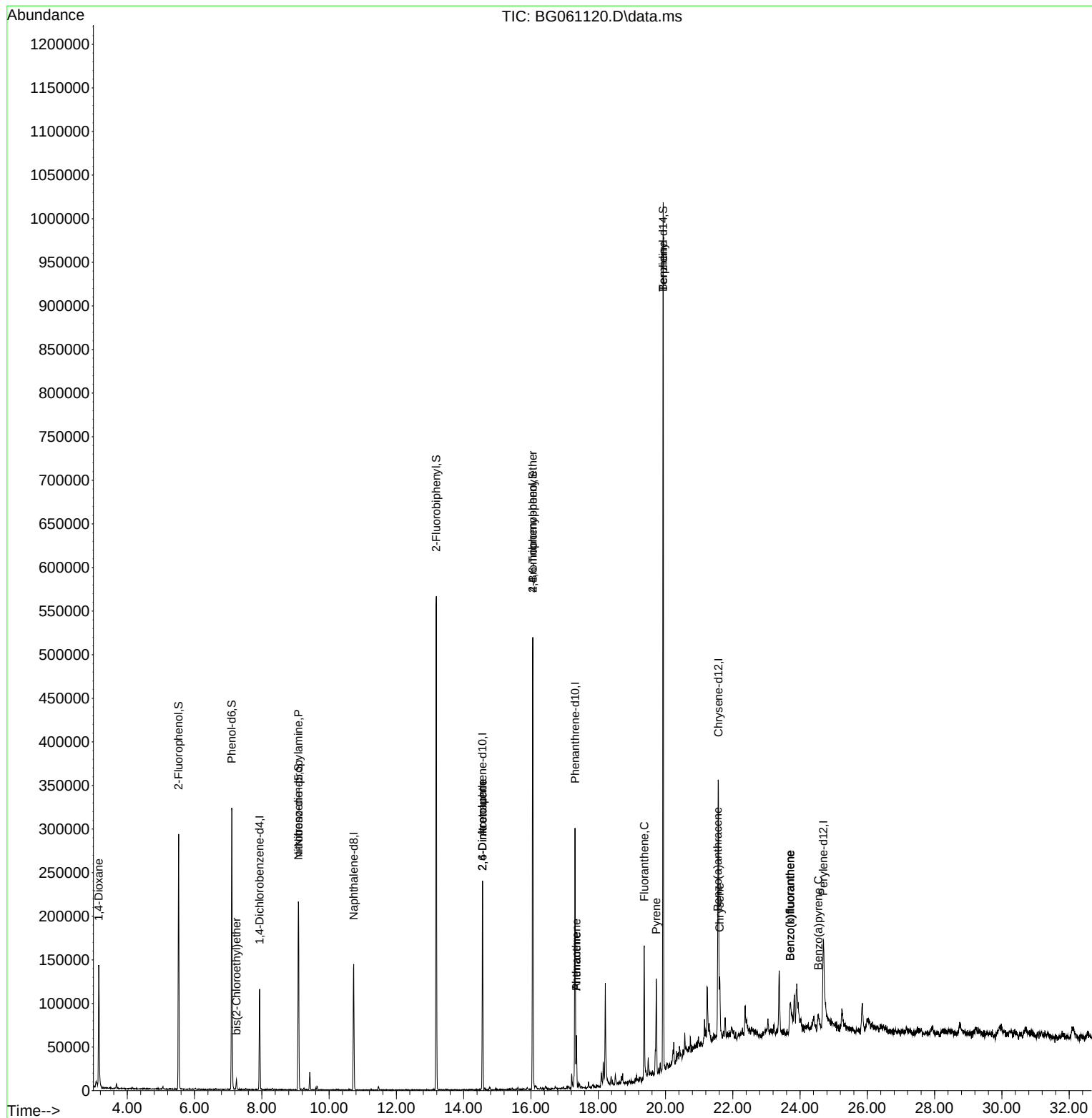
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	28925	20.000	ng	-0.03
21) Naphthalene-d8	10.732	136	113356	20.000	ng	-0.03
39) Acenaphthene-d10	14.563	164	86829	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	192104	20.000	ng	-0.02
76) Chrysene-d12	21.572	240	191825	20.000	ng	-0.02
86) Perylene-d12	24.692	264	160802	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	102551	72.104	ng	-0.02
7) Phenol-d6	7.107	99	148777	70.712	ng	-0.03
23) Nitrobenzene-d5	9.092	82	112578	49.232	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	116377	67.054	ng	-0.02
45) 2-Fluorobiphenyl	13.188	172	301831	51.402	ng	-0.02
79) Terphenyl-d14	19.933	244	515516	44.696	ng	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.152	88	1284	2.233 ng	#	1
9) Benzaldehyde	7.083	77	130	Below Cal	#	3
11) bis(2-Chloroethyl)ether	7.248	93	3595	2.432 ng	#	12
19) n-Nitroso-di-n-propyla...	9.087	70	16569	10.523 ng	#	54
51) 2,6-Dinitrotoluene	14.557	165	11052	7.704 ng	#	16
57) 2,4-Dinitrotoluene	14.557	165	11052	5.207 ng	#	18
67) 4-Bromophenyl-phenylether	16.055	248	6795	3.003 ng	#	1
71) Phenanthrene	17.353	178	38562	4.390 ng		99
72) Anthracene	17.353	178	38562	4.400 ng		99
75) Fluoranthene	19.369	202	98345	8.173 ng		96
77) Benzidine	19.933	184	8529	4.996 ng	#	89
78) Pyrene	19.727	202	74407	6.101 ng		97
81) Benzo(a)anthracene	21.548	228	36796	2.931 ng	#	90
83) Chrysene	21.613	228	47741	4.059 ng	#	95
88) Benzo(b)fluoranthene	23.711	252	46166	5.138 ng	#	93
89) Benzo(k)fluoranthene	23.711	252	46166	5.340 ng	#	91
90) Benzo(a)pyrene	24.545	252	25852	3.302 ng	#	94

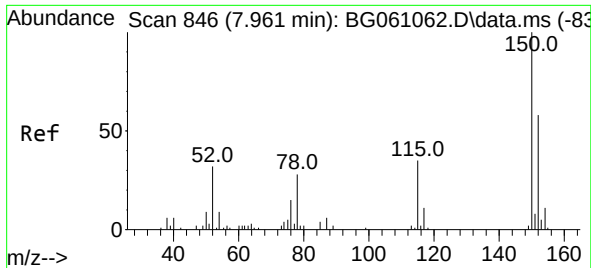
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
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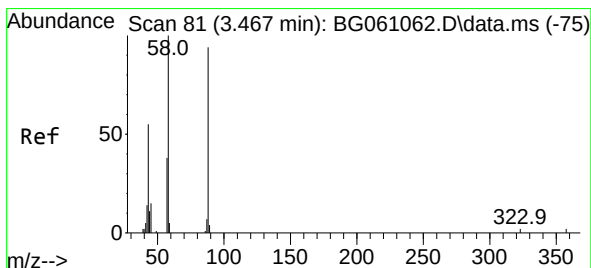
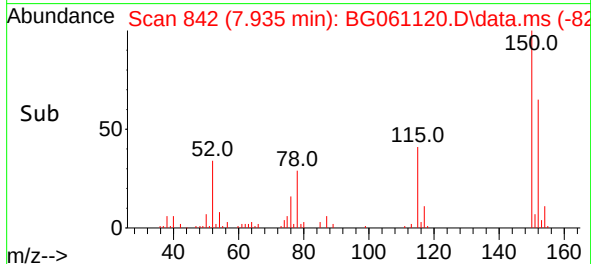
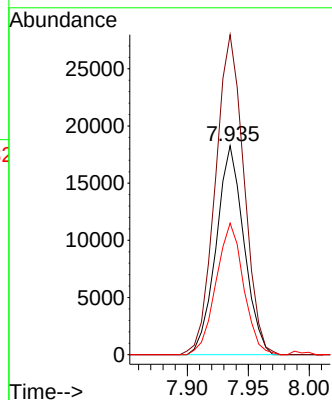
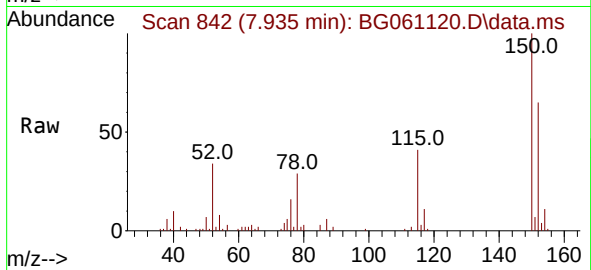




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.935 min Scan# 84
 Delta R.T. -0.026 min
 Lab File: BG061120.D
 Acq: 6 May 2024 14:46

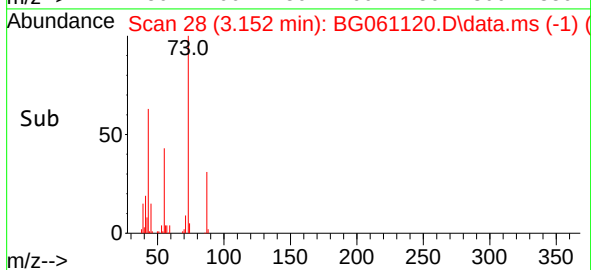
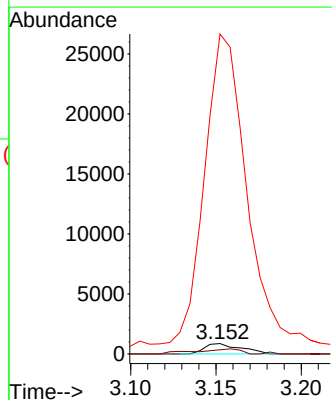
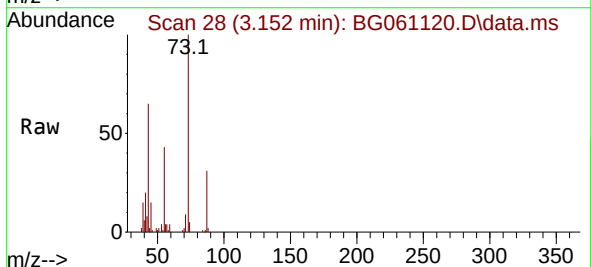
Instrument :
 BNA_G
 ClientSampleId :
 BG-1

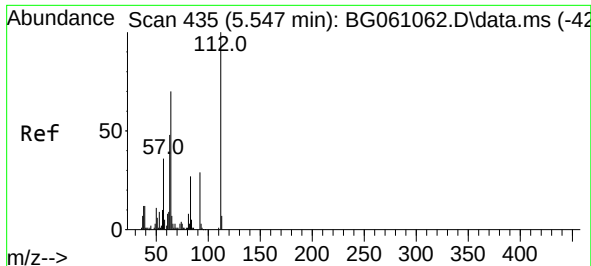
Tgt Ion:152 Resp: 28925
 Ion Ratio Lower Upper
 152 100
 150 153.2 138.3 207.5
 115 62.9 48.0 72.0



#2
 1,4-Dioxane
 Concen: 2.233 ng
 RT: 3.152 min Scan# 28
 Delta R.T. -0.314 min
 Lab File: BG061120.D
 Acq: 6 May 2024 14:46

Tgt Ion: 88 Resp: 1284
 Ion Ratio Lower Upper
 88 100
 58 58.3 81.2 121.8#
 43 3673.6 45.0 67.4#

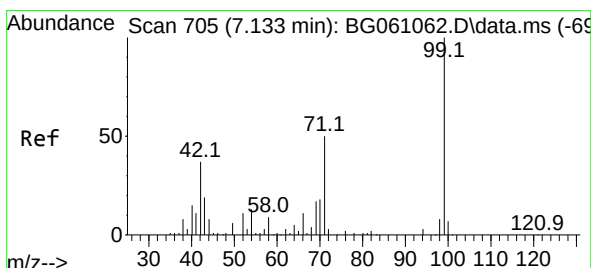
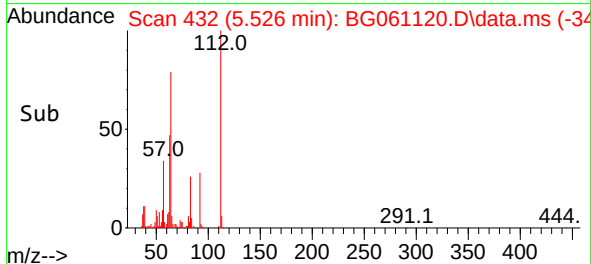
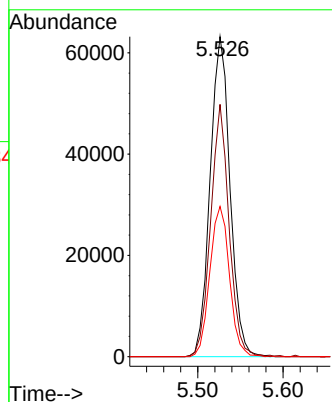
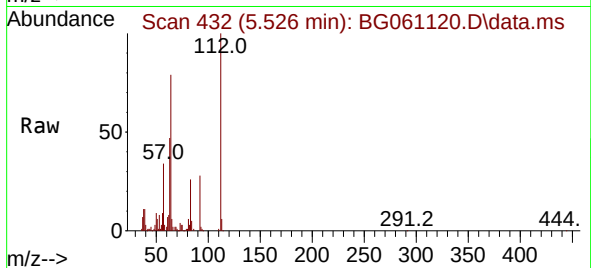




#5
2-Fluorophenol
Concen: 72.104 ng
RT: 5.526 min Scan# 41
Delta R.T. -0.020 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

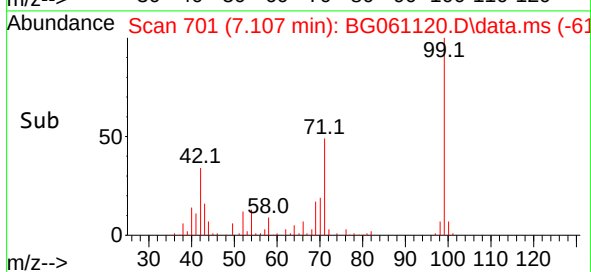
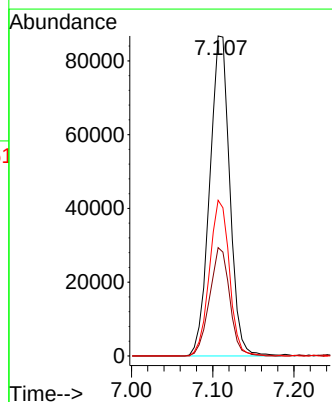
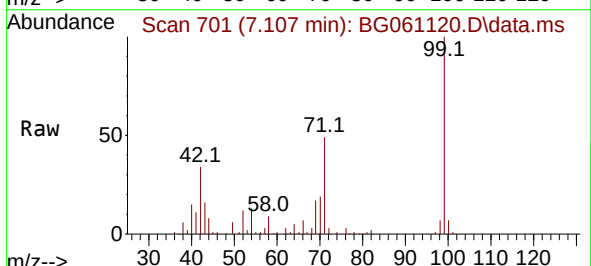
Instrument :
BNA_G
ClientSampleId :
BG-1

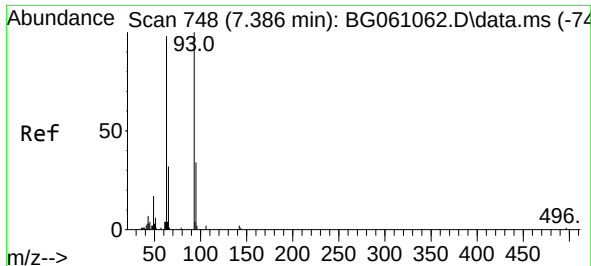
Tgt Ion:112 Resp: 102551
Ion Ratio Lower Upper
112 100
64 78.9 55.7 83.5
63 47.0 38.1 57.1



#7
Phenol-d6
Concen: 70.712 ng
RT: 7.107 min Scan# 701
Delta R.T. -0.026 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

Tgt Ion: 99 Resp: 148777
Ion Ratio Lower Upper
99 100
42 33.8 29.2 43.8
71 48.6 39.7 59.5

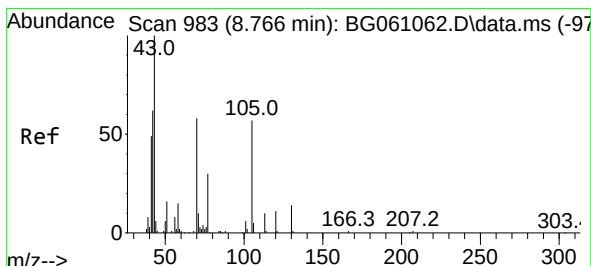
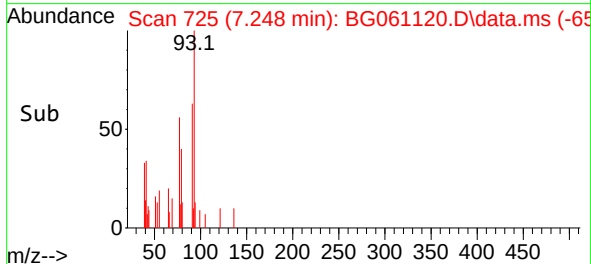
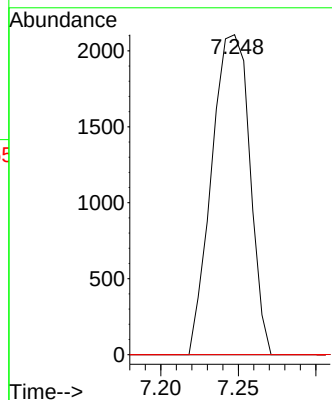
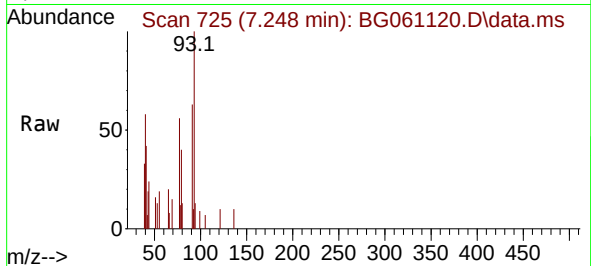




#11
bis(2-Chloroethyl)ether
Concen: 2.432 ng
RT: 7.248 min Scan# 71
Delta R.T. -0.138 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

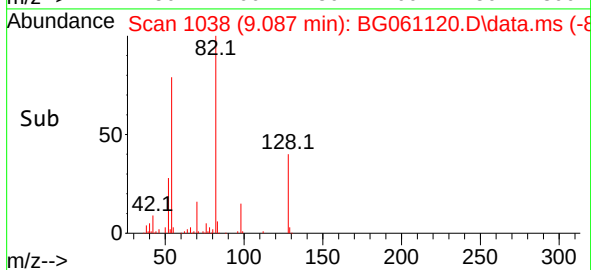
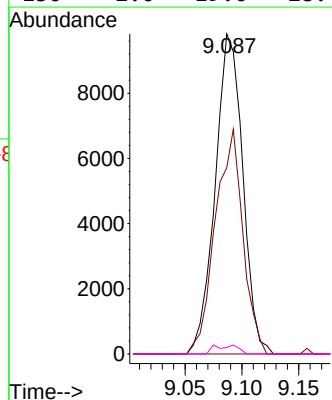
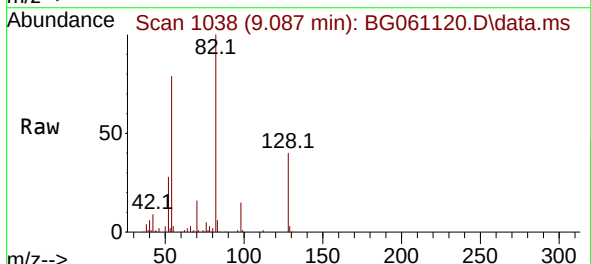
Instrument :
BNA_G
ClientSampleId :
BG-1

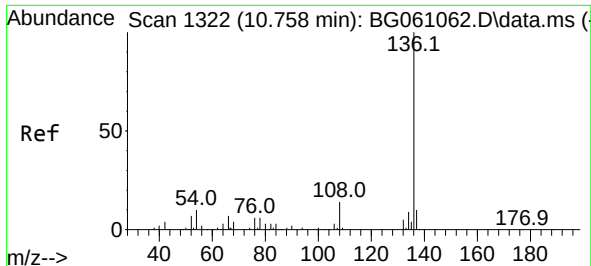
Tgt Ion: 93 Resp: 3595
Ion Ratio Lower Upper
93 100
63 0.0 76.8 116.8#
95 0.0 13.6 53.6#



#19
n-Nitroso-di-n-propylamine
Concen: 10.523 ng
RT: 9.087 min Scan# 1038
Delta R.T. 0.320 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

Tgt Ion: 70 Resp: 16569
Ion Ratio Lower Upper
70 100
42 58.2 86.4 129.6#
101 0.0 7.8 11.8#
130 2.0 19.0 28.4#

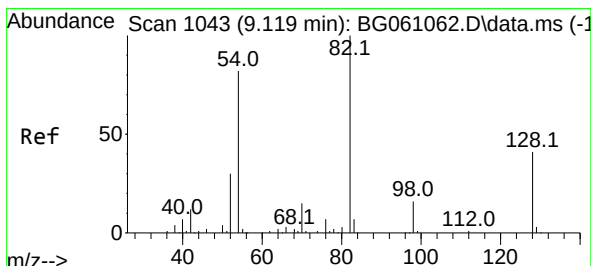
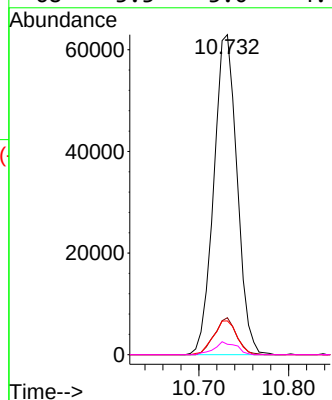
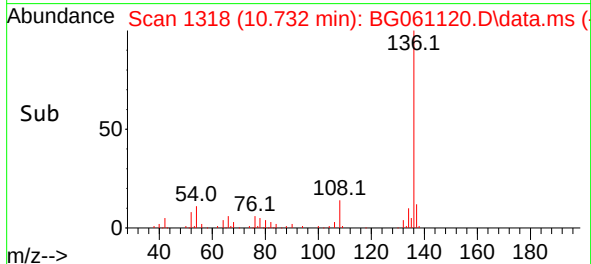
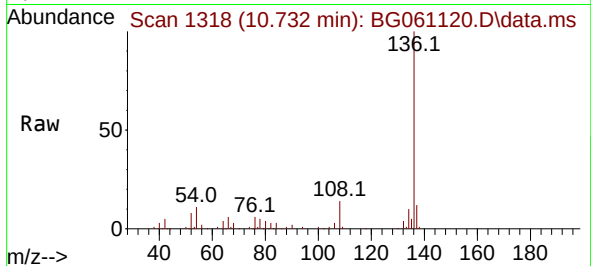




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 11
Delta R.T. -0.026 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

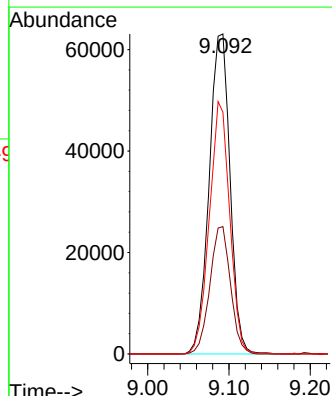
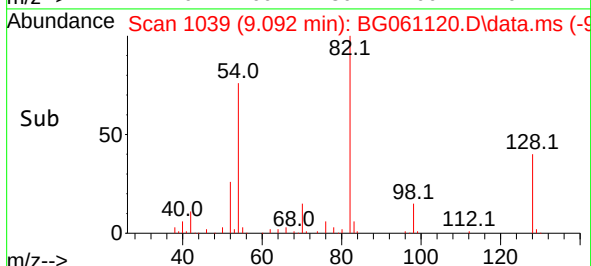
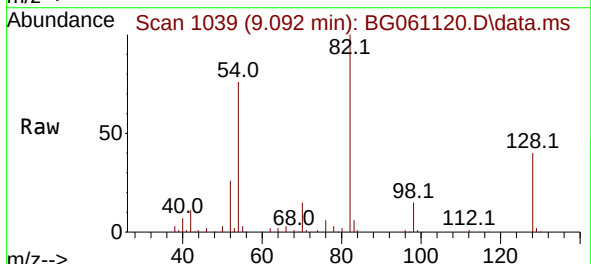
Instrument :
BNA_G
ClientSampleId :
BG-1

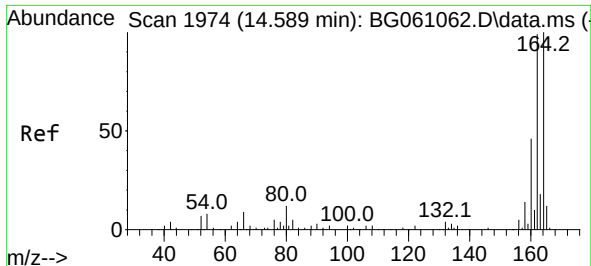
Tgt Ion:	136	Resp:	113356
Ion Ratio	Lower	Upper	
136	100		
137	11.6	7.8	11.6
54	10.5	8.1	12.1
68	3.3	3.0	4.4



#23
Nitrobenzene-d5
Concen: 49.232 ng
RT: 9.092 min Scan# 1039
Delta R.T. -0.026 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

Tgt Ion:	82	Resp:	112578
Ion Ratio	Lower	Upper	
82	100		
128	39.8	32.7	49.1
54	75.6	65.6	98.4

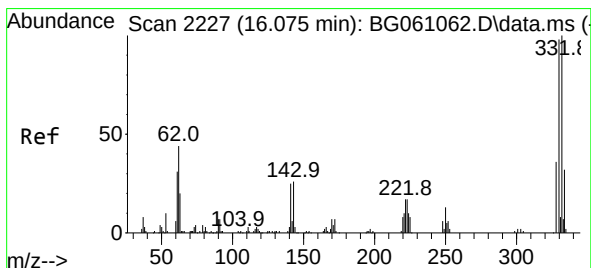
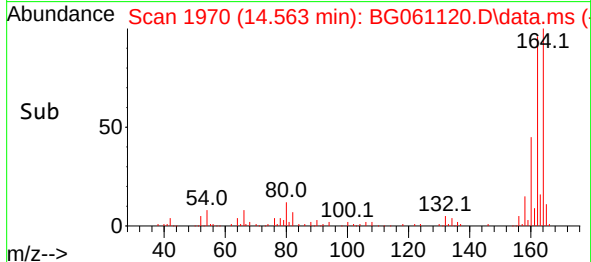
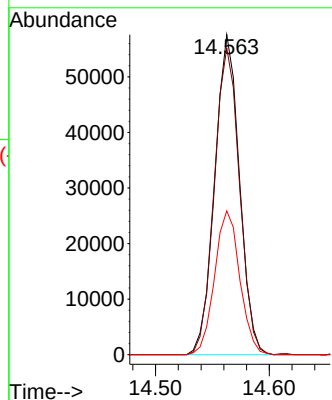
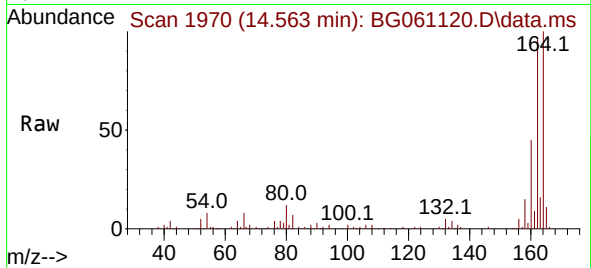




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1970
Delta R.T. -0.026 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

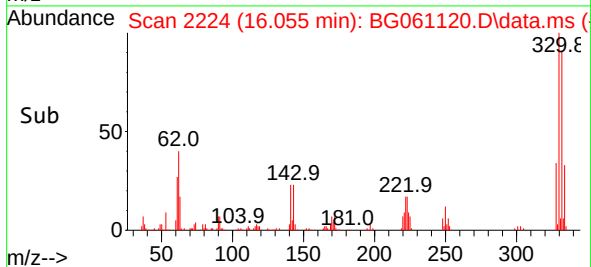
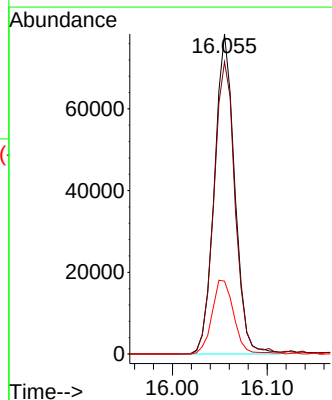
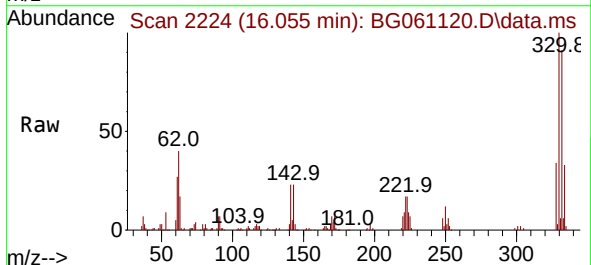
Instrument :
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ClientSampleId :
BG-1

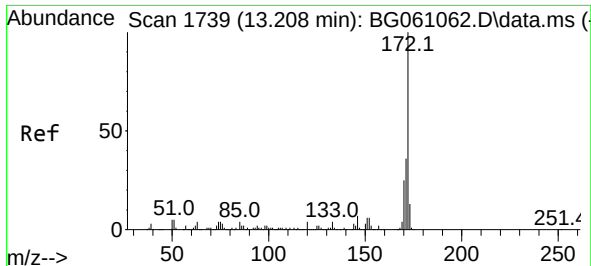
Tgt Ion:164 Resp: 86829
Ion Ratio Lower Upper
164 100
162 95.8 79.4 119.2
160 44.9 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 67.054 ng
RT: 16.055 min Scan# 2224
Delta R.T. -0.020 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

Tgt Ion:330 Resp: 116377
Ion Ratio Lower Upper
330 100
332 95.3 78.6 117.8
141 24.8 20.5 30.7

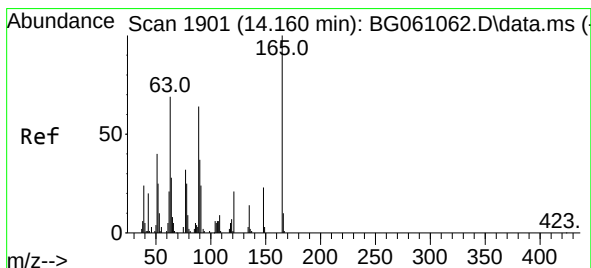
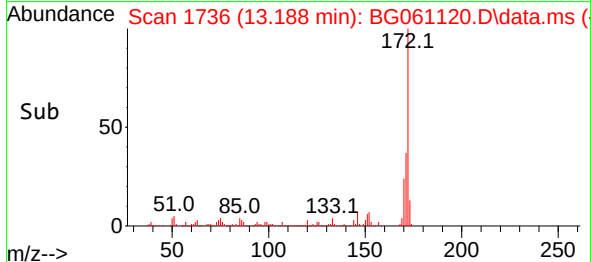
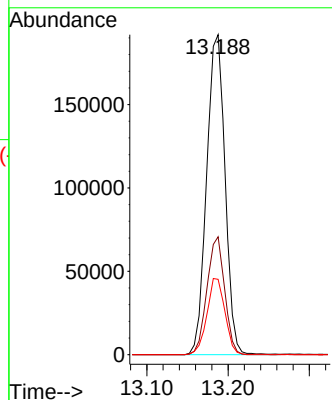
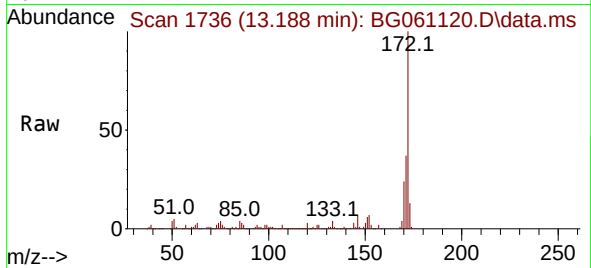




#45
2-Fluorobiphenyl
Concen: 51.402 ng
RT: 13.188 min Scan# 1736
Delta R.T. -0.020 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

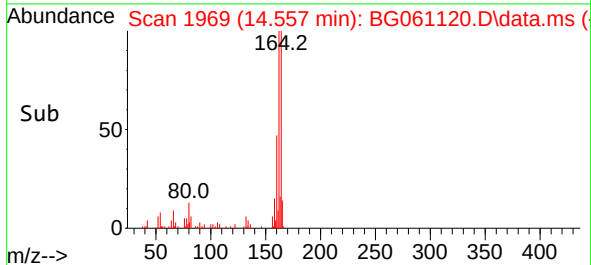
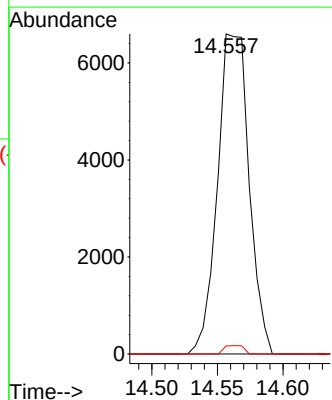
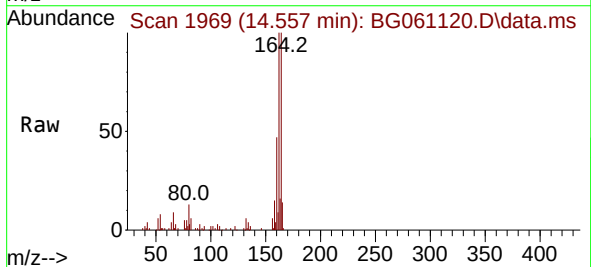
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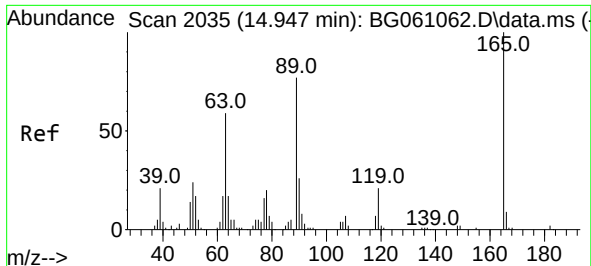
Tgt Ion:	172	Resp:	301831
Ion Ratio	Lower	Upper	
172	100		
171	36.8	29.0	43.6
170	23.6	20.2	30.4



#51
2,6-Dinitrotoluene
Concen: 7.704 ng
RT: 14.557 min Scan# 1969
Delta R.T. 0.397 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

Tgt Ion:	165	Resp:	11052
Ion Ratio	Lower	Upper	
165	100		
63	0.0	60.0	90.0#
89	2.5	50.9	76.3#





#57

2,4-Dinitrotoluene

Concen: 5.207 ng

RT: 14.557 min Scan# 1969

Delta R.T. -0.391 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

Instrument :

BNA_G

ClientSampleId :

BG-1

Tgt Ion:165 Resp: 11052

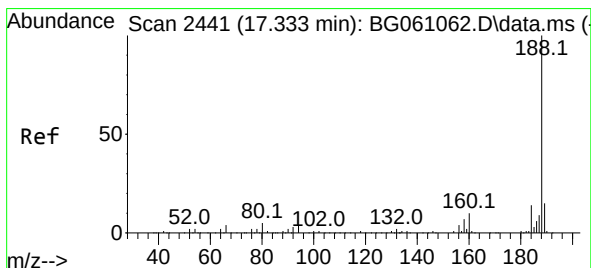
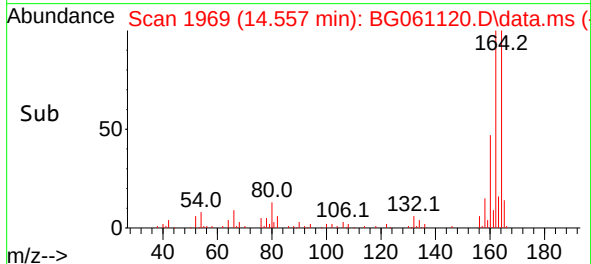
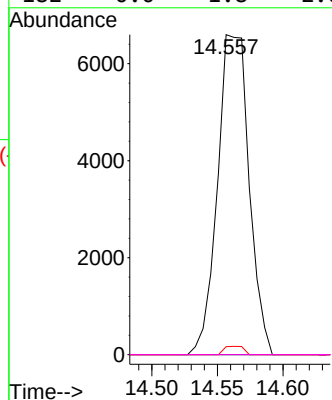
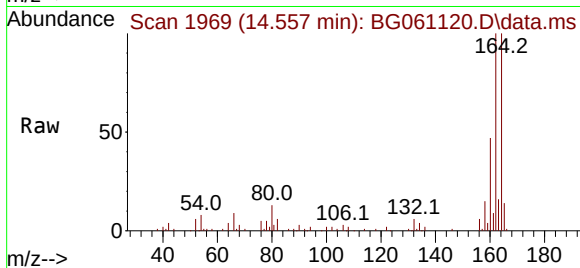
Ion Ratio Lower Upper

165 100

63 0.0 47.3 70.9#

89 2.5 61.8 92.8#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.312 min Scan# 2438

Delta R.T. -0.020 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

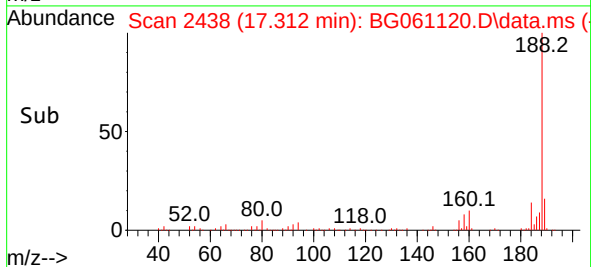
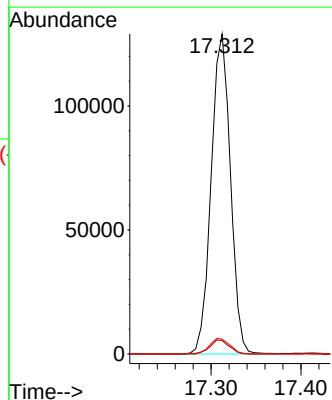
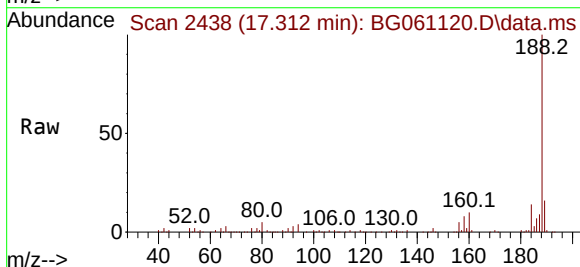
Tgt Ion:188 Resp: 192104

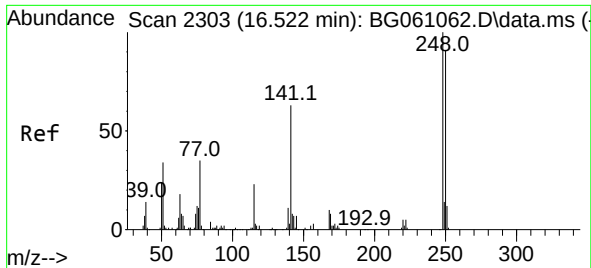
Ion Ratio Lower Upper

188 100

94 4.2 3.6 5.4

80 4.6 4.2 6.2

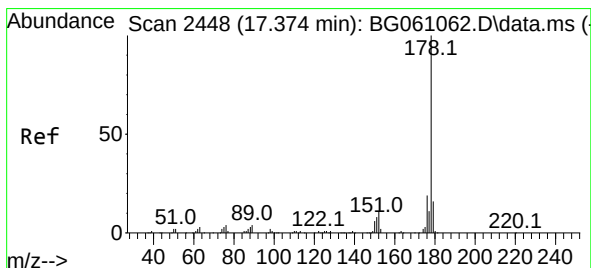
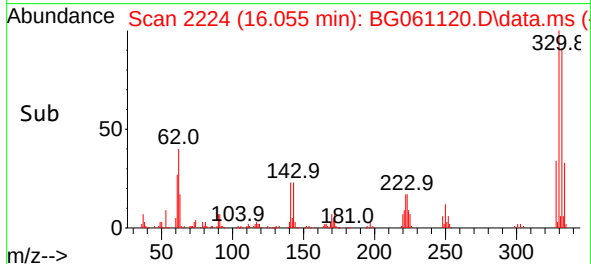
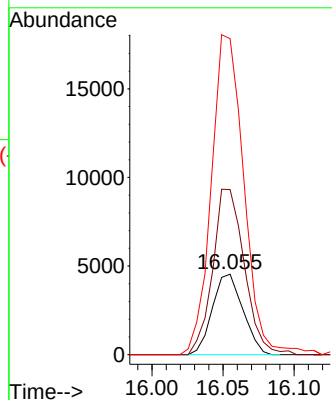
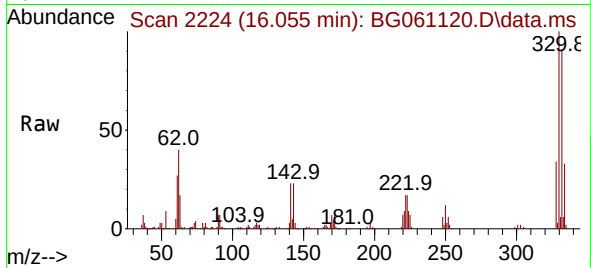




#67
4-Bromophenyl-phenylether
Concen: 3.003 ng
RT: 16.055 min Scan# 211
Delta R.T. -0.467 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

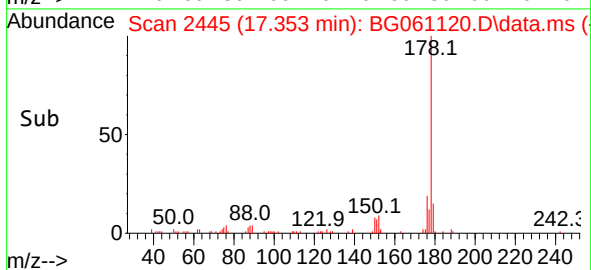
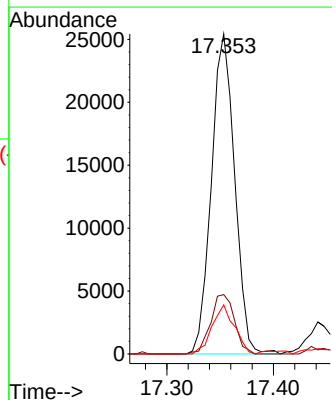
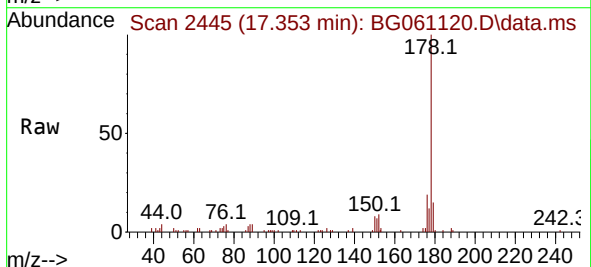
Instrument :
BNA_G
ClientSampleId :
BG-1

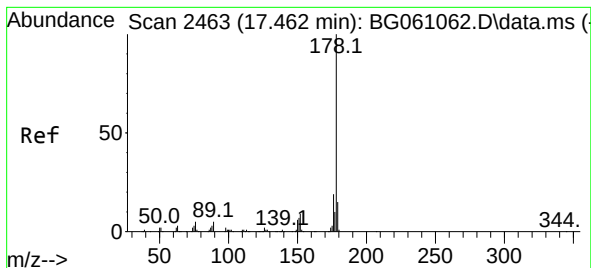
Tgt Ion:248 Resp: 6795
Ion Ratio Lower Upper
248 100
250 205.4 73.0 109.4#
141 392.9 50.8 76.2#



#71
Phenanthrene
Concen: 4.390 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.020 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

Tgt Ion:178 Resp: 38562
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.4 12.6 19.0





#72

Anthracene

Concen: 4.400 ng

RT: 17.353 min Scan# 24

Delta R.T. -0.109 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

Instrument :

BNA_G

ClientSampleId :

BG-1

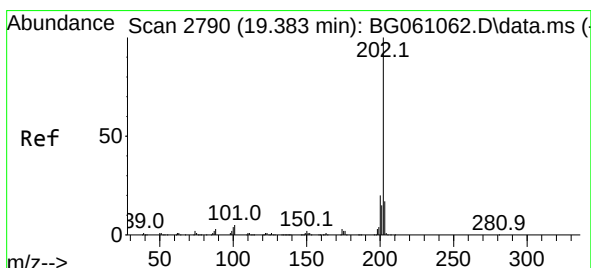
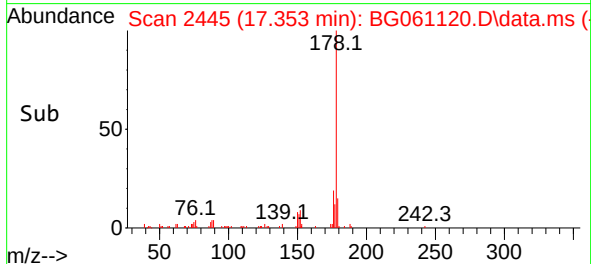
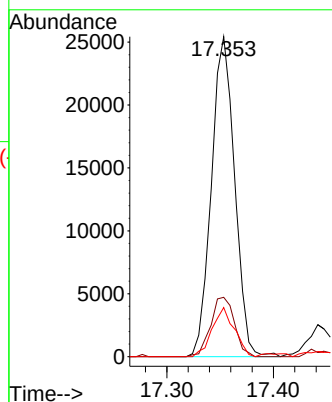
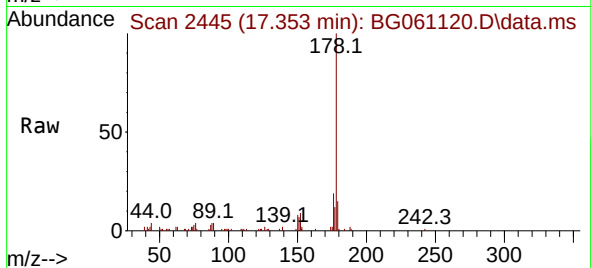
Tgt Ion:178 Resp: 38562

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 15.4 12.0 18.0



#75

Fluoranthene

Concen: 8.173 ng

RT: 19.369 min Scan# 2788

Delta R.T. -0.015 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

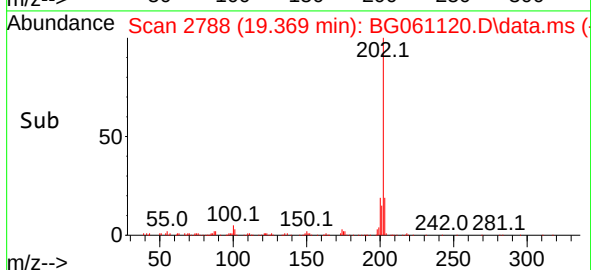
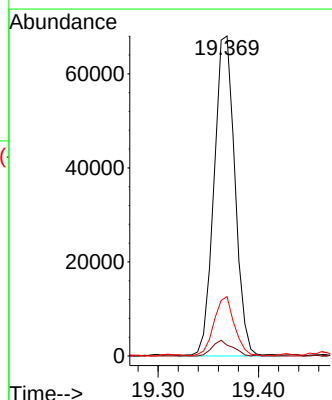
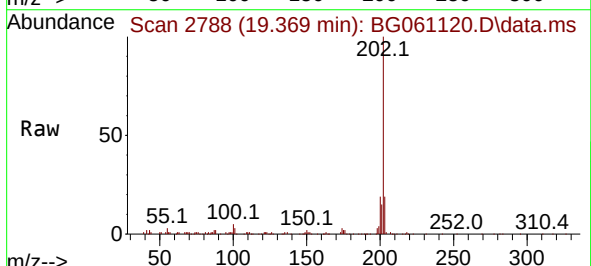
Tgt Ion:202 Resp: 98345

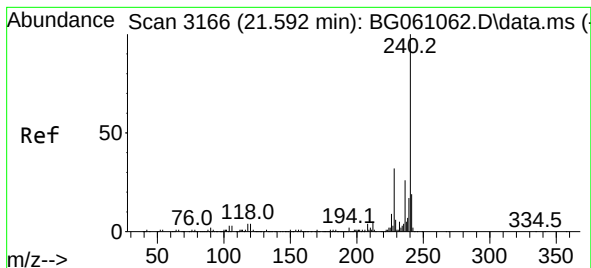
Ion Ratio Lower Upper

202 100

101 3.4 0.0 24.7

203 18.6 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.572 min Scan# 3163

Delta R.T. -0.020 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

Instrument :

BNA_G

ClientSampleId :

BG-1

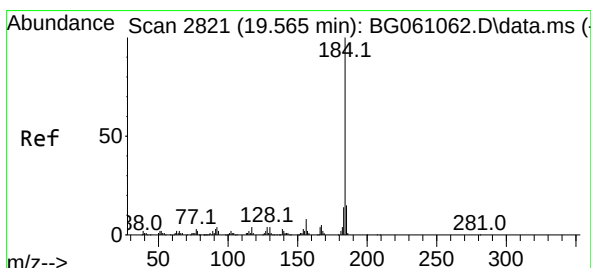
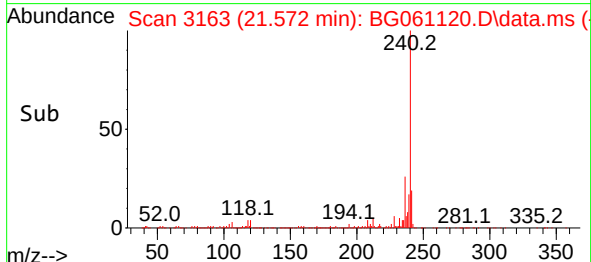
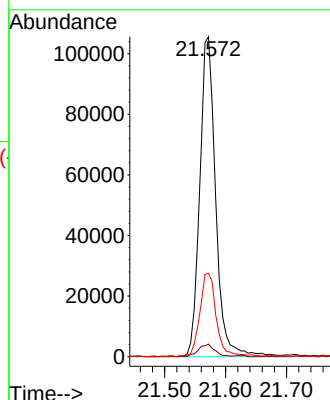
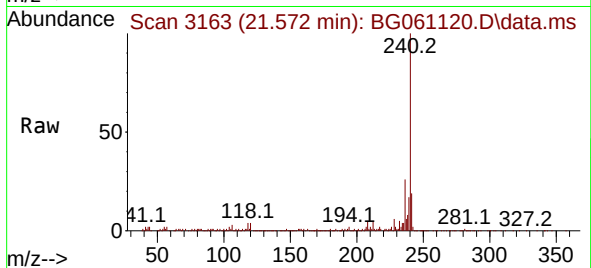
Tgt Ion:240 Resp: 191825

Ion Ratio Lower Upper

240 100

120 4.0 3.2 4.8

236 26.1 21.0 31.6



#77

Benzidine

Concen: 4.996 ng

RT: 19.933 min Scan# 2884

Delta R.T. 0.368 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

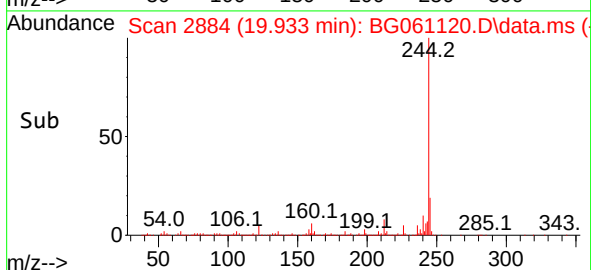
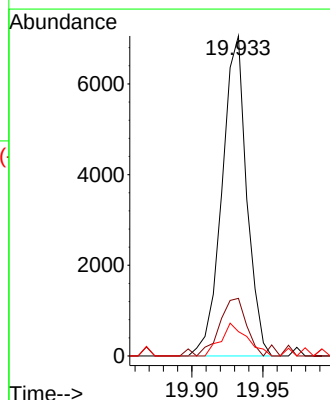
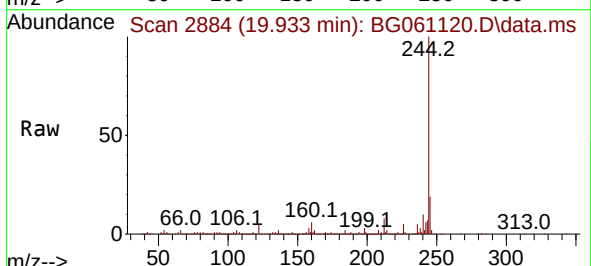
Tgt Ion:184 Resp: 8529

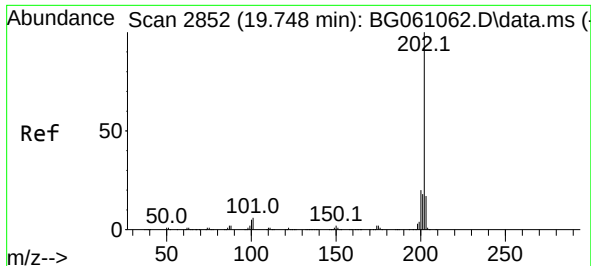
Ion Ratio Lower Upper

184 100

185 18.0 12.0 18.0

183 7.6 10.9 16.3#

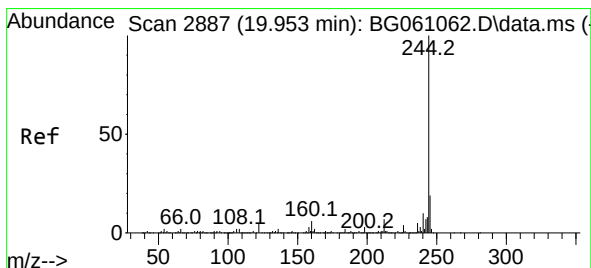
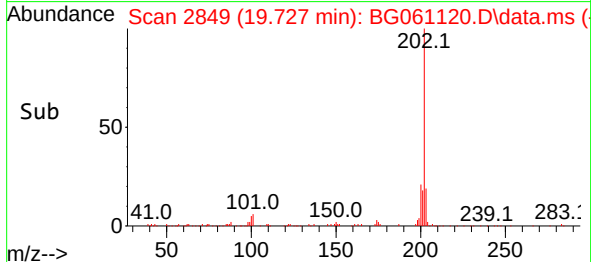
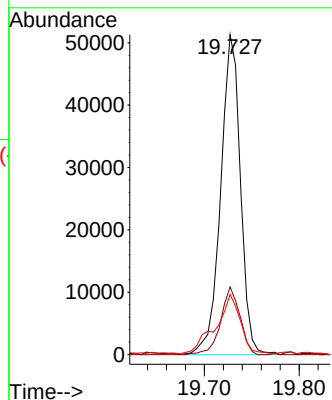
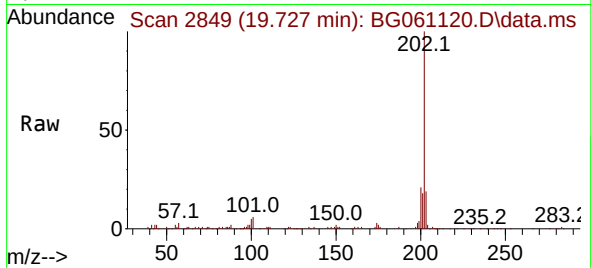




#78
 Pyrene
 Concen: 6.101 ng
 RT: 19.727 min Scan# 2849
 Delta R.T. -0.021 min
 Lab File: BG061120.D
 Acq: 6 May 2024 14:46

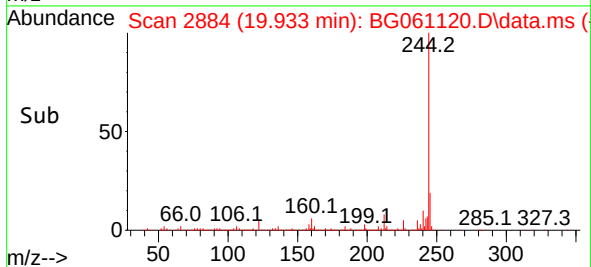
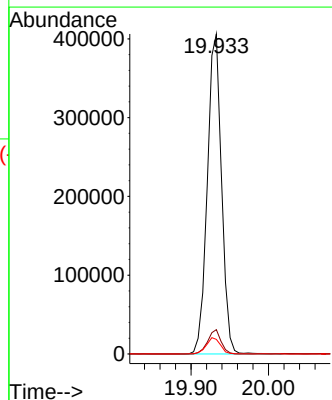
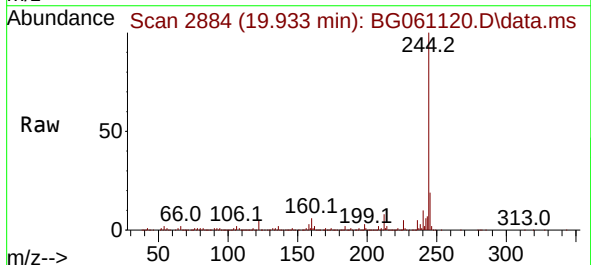
Instrument :
 BNA_G
 ClientSampleId :
 BG-1

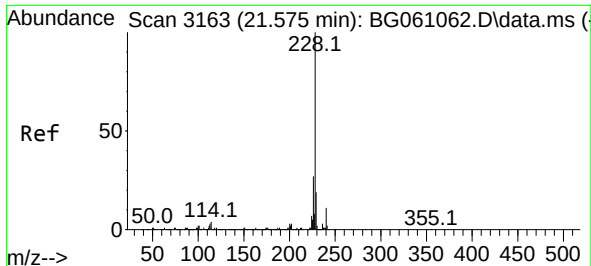
Tgt Ion:202 Resp: 74407
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.2 24.4
 203 18.8 13.3 19.9



#79
 Terphenyl-d14
 Concen: 44.696 ng
 RT: 19.933 min Scan# 2884
 Delta R.T. -0.020 min
 Lab File: BG061120.D
 Acq: 6 May 2024 14:46

Tgt Ion:244 Resp: 515516
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 4.5 4.2 6.2

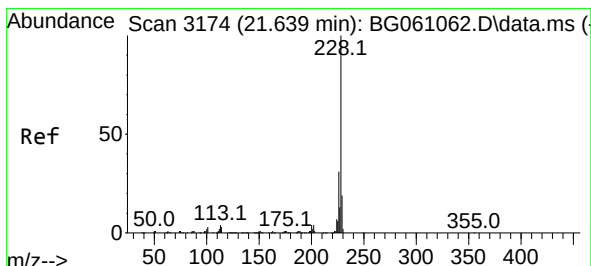
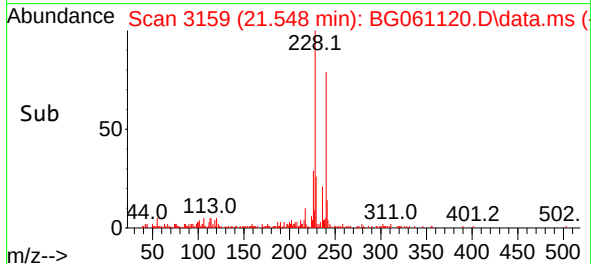
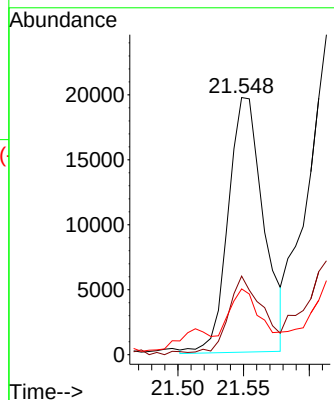
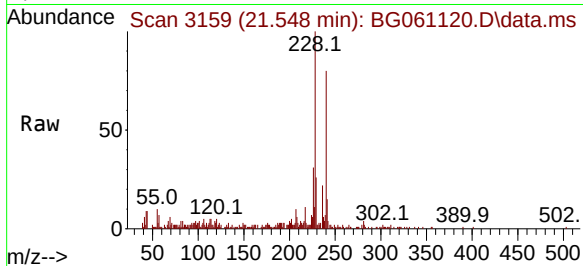




#81
Benzo(a)anthracene
Concen: 2.931 ng
RT: 21.548 min Scan# 3163
Delta R.T. -0.026 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

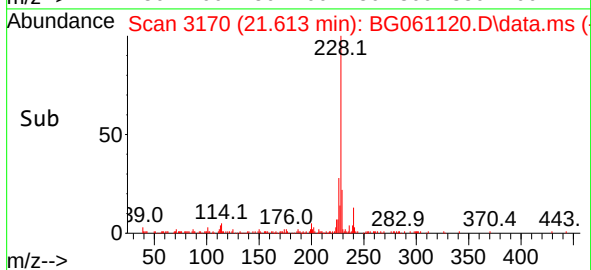
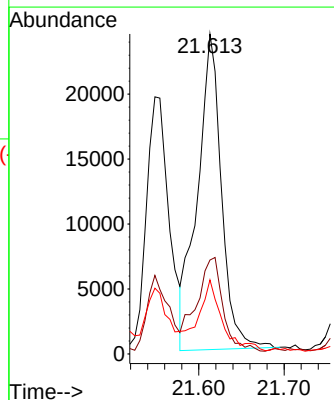
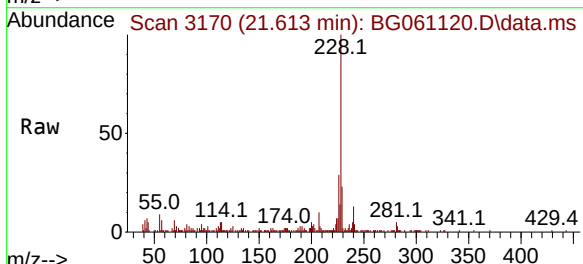
Instrument :
BNA_G
ClientSampleId :
BG-1

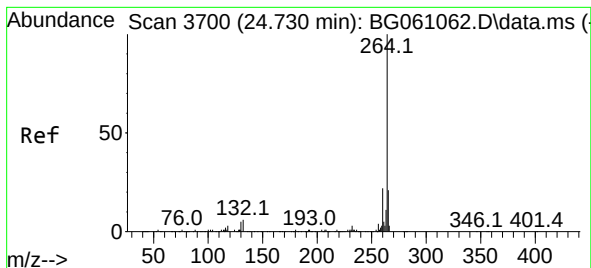
Tgt Ion:228 Resp: 36796
Ion Ratio Lower Upper
228 100
226 30.5 21.6 32.4
229 25.6 15.0 22.4#



#83
Chrysene
Concen: 4.059 ng
RT: 21.613 min Scan# 3170
Delta R.T. -0.026 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

Tgt Ion:228 Resp: 47741
Ion Ratio Lower Upper
228 100
226 29.4 24.4 36.6
229 23.1 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: BG061120.D

Acq: 6 May 2024 14:46

Instrument :

BNA_G

ClientSampleId :

BG-1

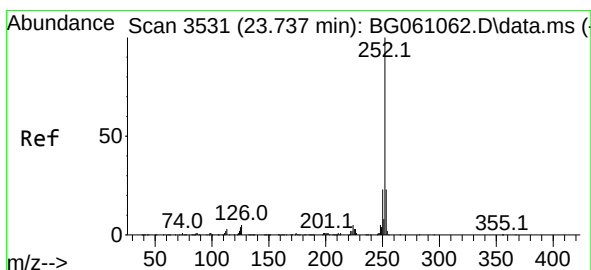
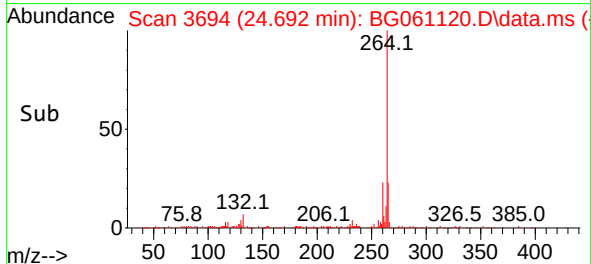
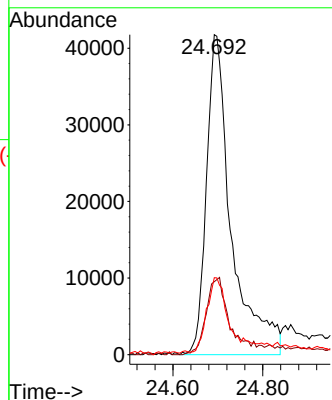
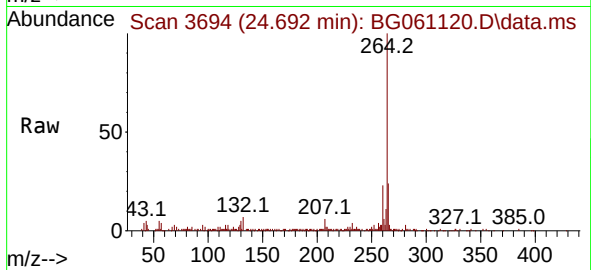
Tgt Ion:264 Resp: 160802

Ion Ratio Lower Upper

264 100

260 22.8 17.7 26.5

265 24.0 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 5.138 ng

RT: 23.711 min Scan# 3527

Delta R.T. -0.026 min

Lab File: BG061120.D

Acq: 6 May 2024 14:46

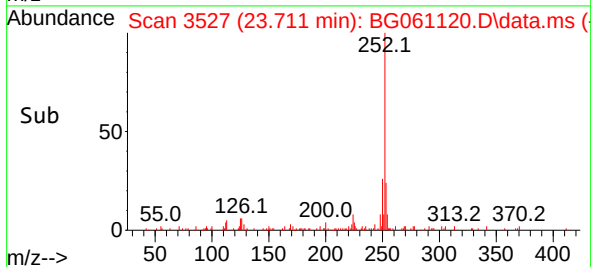
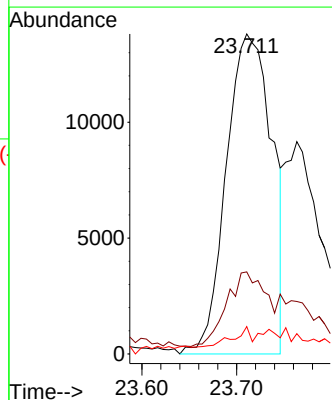
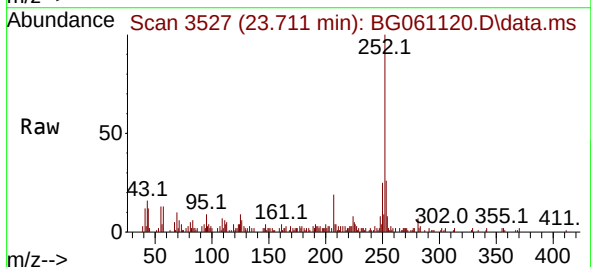
Tgt Ion:252 Resp: 46166

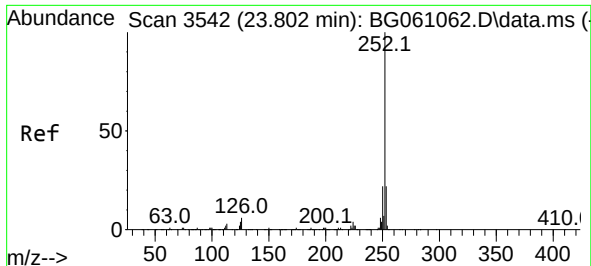
Ion Ratio Lower Upper

252 100

253 25.7 18.2 27.2

125 8.5 3.4 5.0#

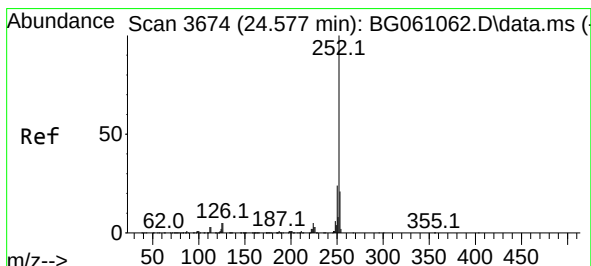
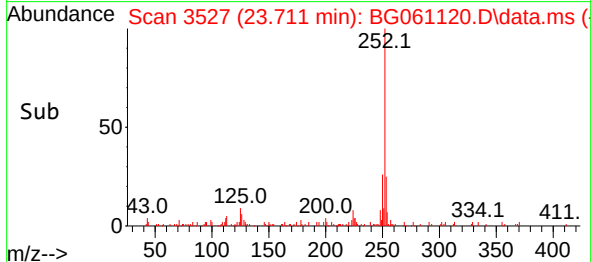
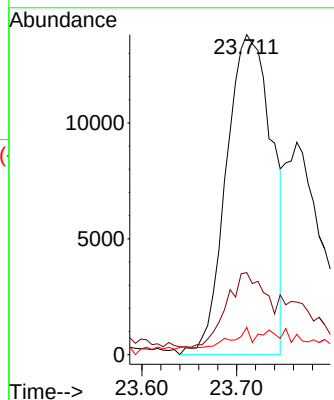
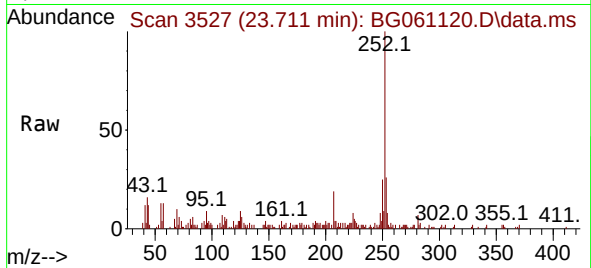




#89
Benzo(k)fluoranthene
Concen: 5.340 ng
RT: 23.711 min Scan# 3527
Delta R.T. -0.091 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

Instrument :
BNA_G
ClientSampleId :
BG-1

Tgt Ion:252 Resp: 46166
Ion Ratio Lower Upper
252 100
253 25.7 17.3 25.9
125 8.5 3.2 4.8#



#90
Benzo(a)pyrene
Concen: 3.302 ng
RT: 24.545 min Scan# 3669
Delta R.T. -0.032 min
Lab File: BG061120.D
Acq: 6 May 2024 14:46

Tgt Ion:252 Resp: 25852
Ion Ratio Lower Upper
252 100
253 23.6 16.9 25.3
125 7.3 3.8 5.8#

