

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
 Data File : BG057527.D
 Acq On : 23 May 2023 20:03
 Operator : CG/JU
 Sample : 02886-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-1

Quant Time: May 24 04:35:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

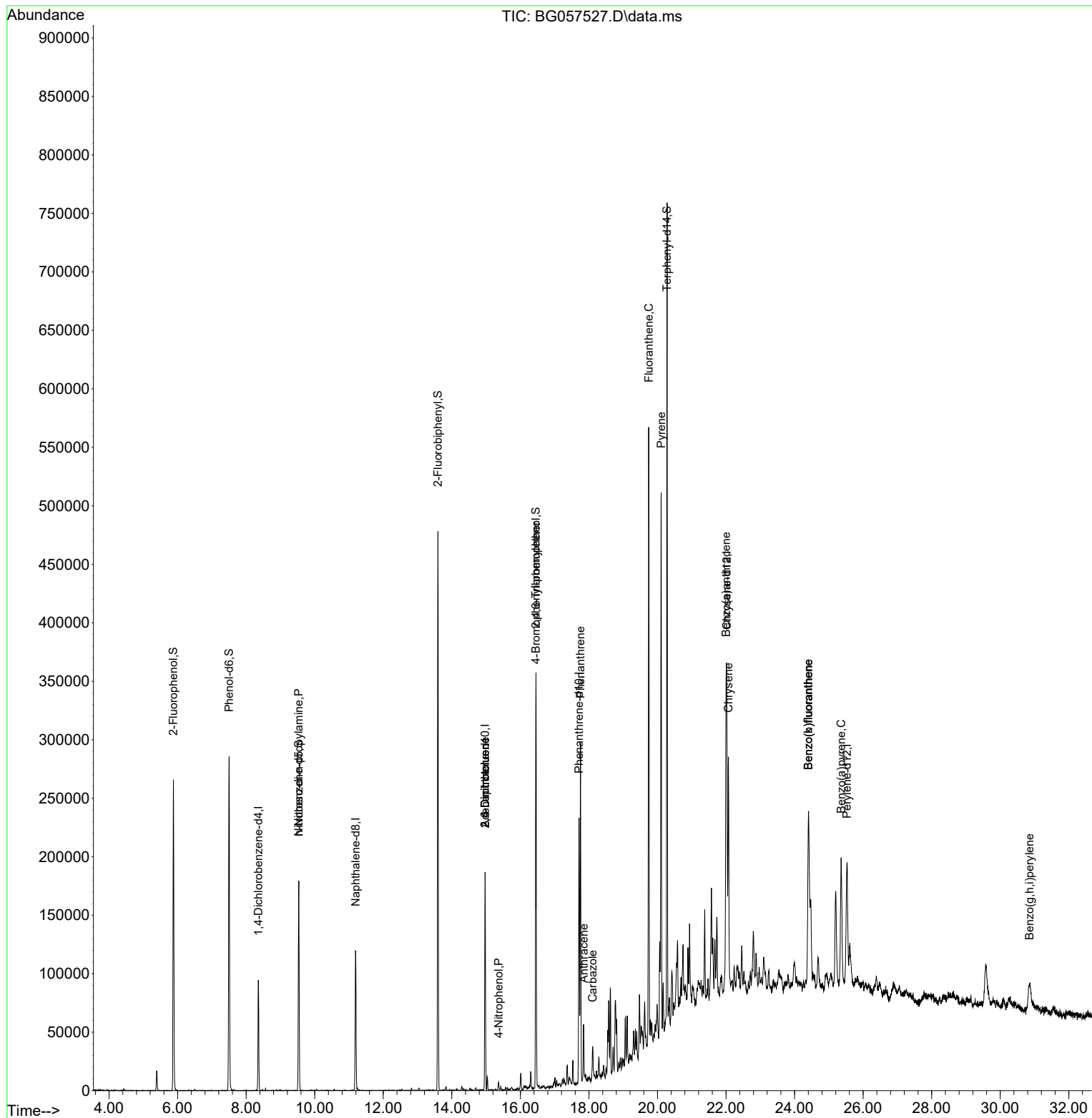
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	27745	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	103327	20.000	ng	0.00
39) Acenaphthene-d10	14.969	164	69563	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	150014	20.000	ng	0.00
76) Chrysene-d12	22.018	240	126987	20.000	ng	0.00
86) Perylene-d12	25.531	264	141234	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	123684	76.257	ng	0.00
7) Phenol-d6	7.503	99	177883	72.223	ng	0.00
23) Nitrobenzene-d5	9.535	82	116280	47.232	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	74229	75.205	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	257881	49.928	ng	0.00
79) Terphenyl-d14	20.280	244	344917	44.326	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.491	77	67	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.535	70	16027	8.534	ng	# 82
51) 2,6-Dinitrotoluene	14.969	165	9052	7.756	ng	# 19
56) 4-Nitrophenol	15.369	139	1749	2.249	ng	# 1
57) 2,4-Dinitrotoluene	14.969	165	9052	5.427	ng	# 22
67) 4-Bromophenyl-phenylether	16.449	248	5056	2.761	ng	# 1
71) Phenanthrene	17.754	178	180181	23.440	ng	100
72) Anthracene	17.848	178	32272	4.092	ng	97
73) Carbazole	18.112	167	18023	2.714	ng	96
75) Fluoranthene	19.745	202	343246	35.902	ng	99
78) Pyrene	20.109	202	300243	32.537	ng	98
81) Benzo(a)anthracene	22.001	228	168428	18.616	ng	99
83) Chrysene	22.071	228	160342	18.836	ng	98
88) Benzo(b)fluoranthene	24.403	252	199096	21.565	ng	# 97
89) Benzo(k)fluoranthene	24.403	252	199096	21.222	ng	# 98
90) Benzo(a)pyrene	25.361	252	139645	15.482	ng	95
92) Benzo(g,h,i)perylene	30.854	276	73774	8.814	ng	98

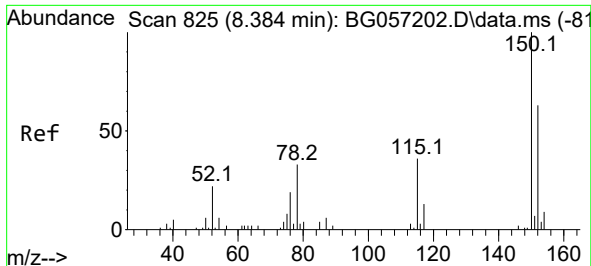
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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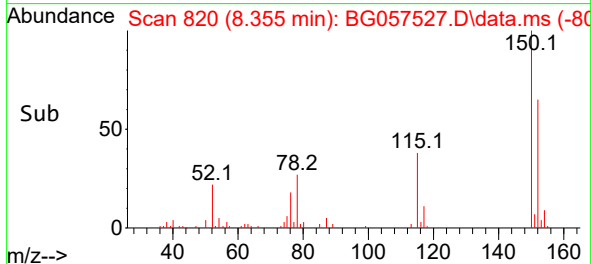
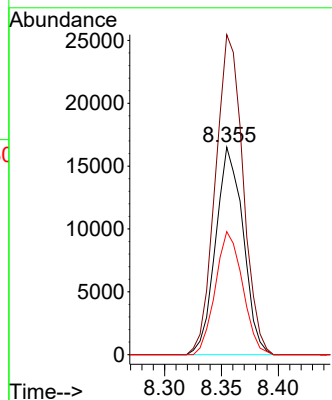
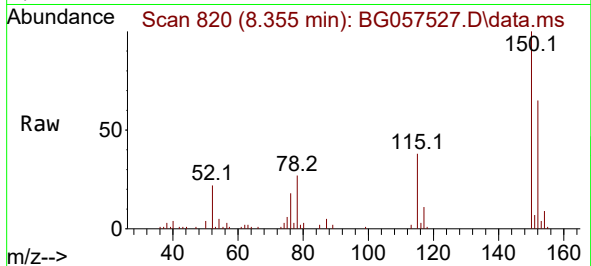




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

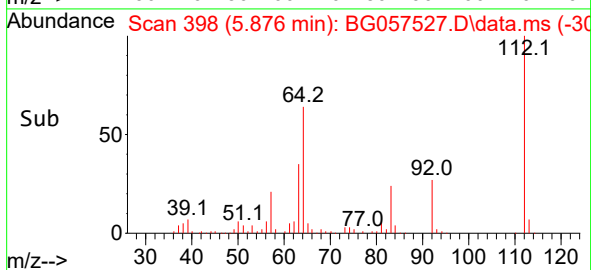
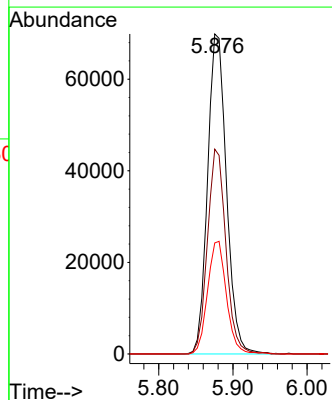
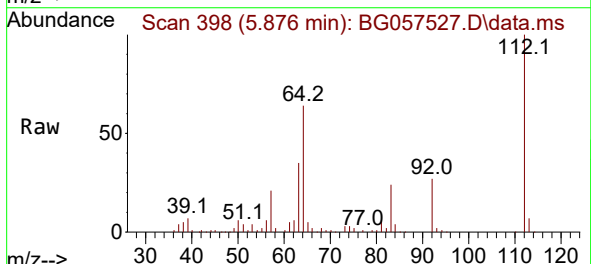
Instrument :
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WC-1

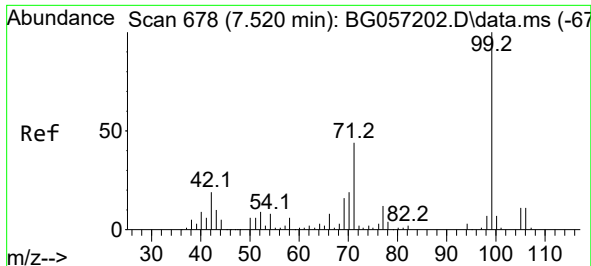
Tgt Ion:152 Resp: 27745
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.4
115 59.3 45.0 67.4



#5
2-Fluorophenol
Concen: 76.257 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

Tgt Ion:112 Resp: 123684
Ion Ratio Lower Upper
112 100
64 64.0 49.4 74.2
63 34.7 31.6 47.4

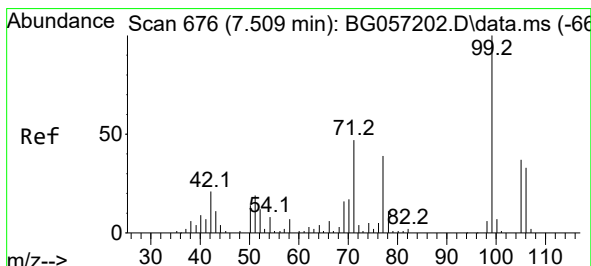
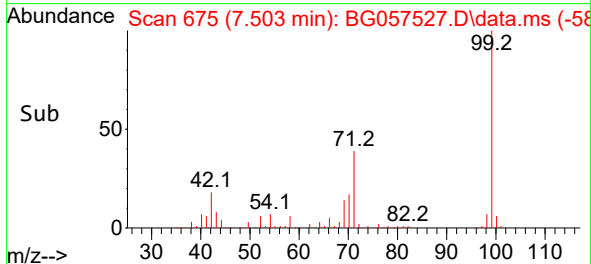
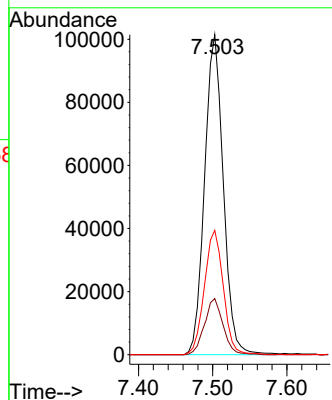
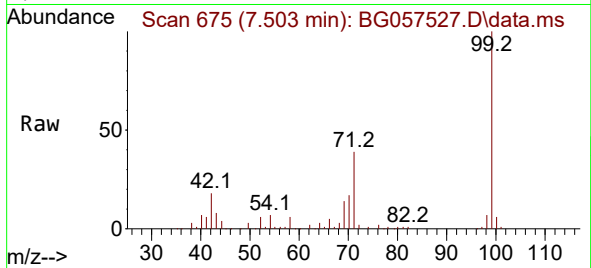




#7
Phenol-d6
Concen: 72.223 ng
RT: 7.503 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

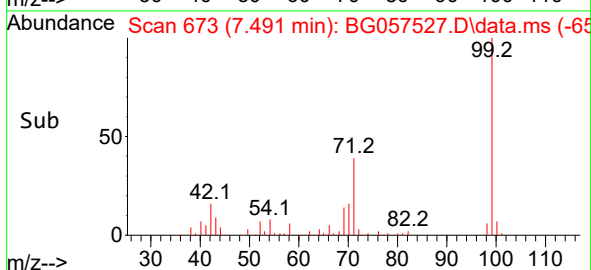
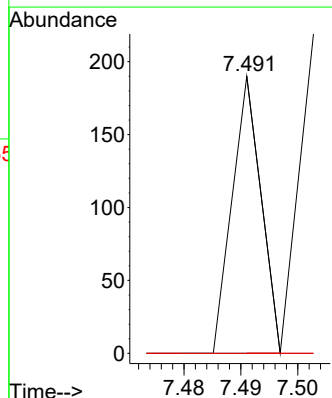
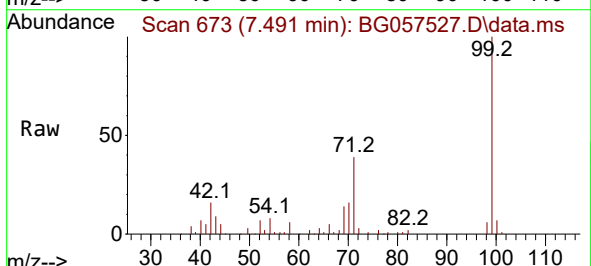
Instrument :
BNA_G
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 177883
Ion Ratio Lower Upper
99 100
42 17.5 15.1 22.7
71 38.9 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.491 min Scan# 673
Delta R.T. 0.005 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

Tgt Ion: 77 Resp: 67
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

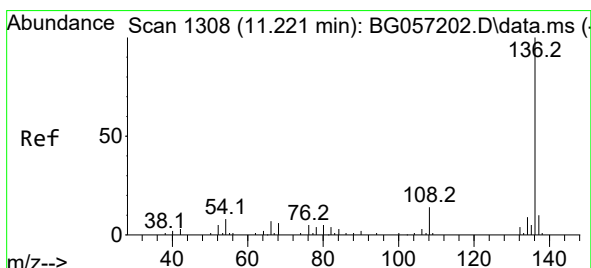
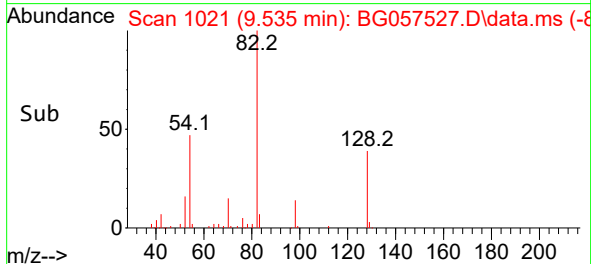
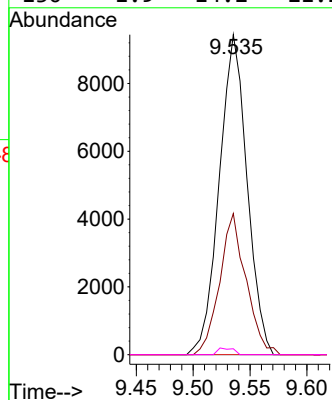
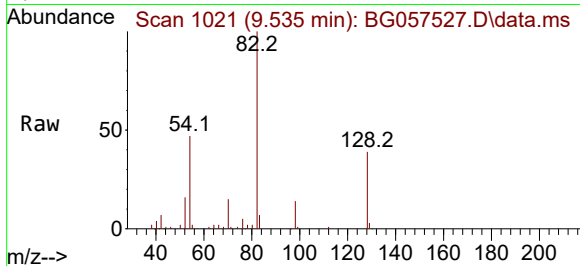




#19
n-Nitroso-di-n-propylamine
Concen: 8.534 ng
RT: 9.535 min Scan# 1021
Delta R.T. 0.375 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

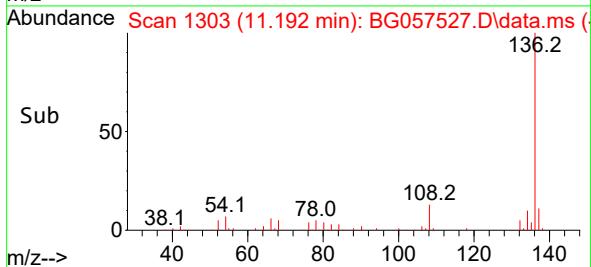
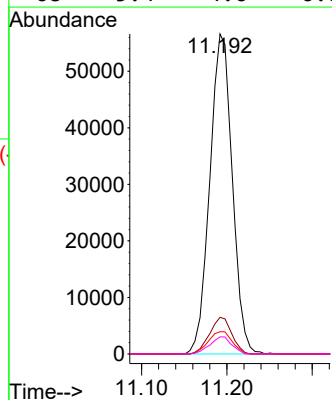
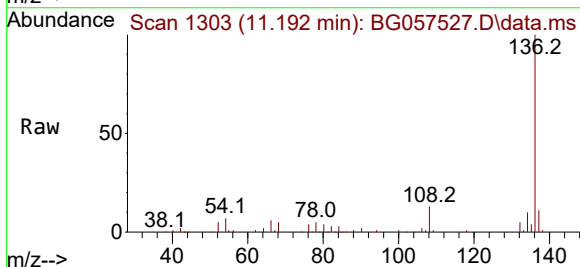
Instrument :
BNA_G
ClientSampleId :
WC-1

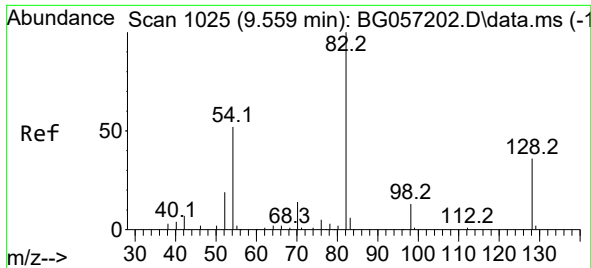
Tgt Ion: 70 Resp: 16027
Ion Ratio Lower Upper
70 100
42 44.1 41.8 62.8
101 0.0 6.8 10.2#
130 1.9 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.007 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

Tgt Ion: 136 Resp: 103327
Ion Ratio Lower Upper
136 100
137 11.5 8.3 12.5
54 7.0 6.7 10.1
68 5.4 4.6 6.8

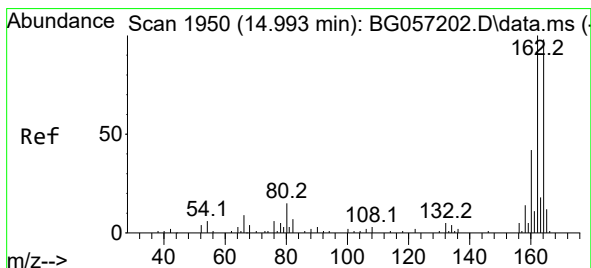
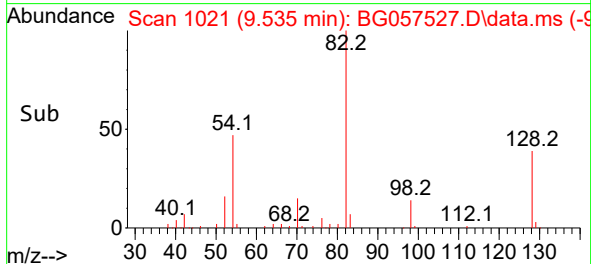
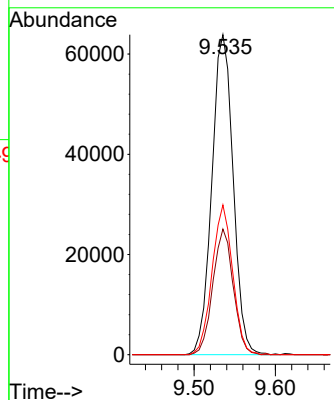
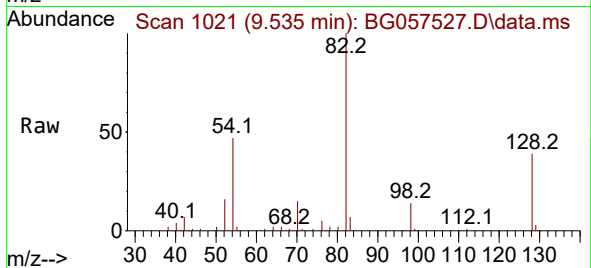




#23
 Nitrobenzene-d5
 Concen: 47.232 ng
 RT: 9.535 min Scan# 1021
 Delta R.T. -0.001 min
 Lab File: BG057527.D
 Acq: 23 May 2023 20:03

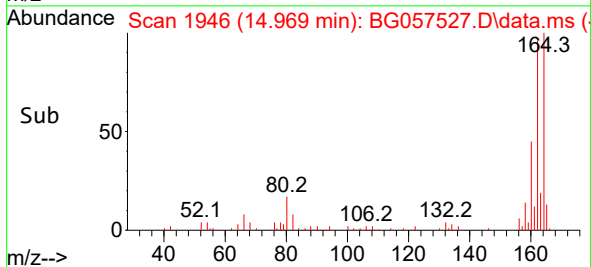
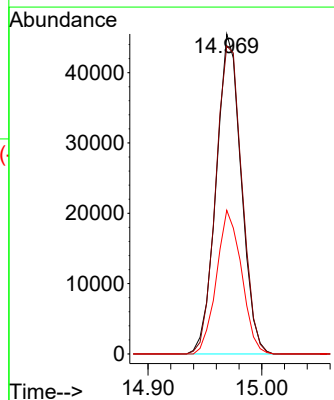
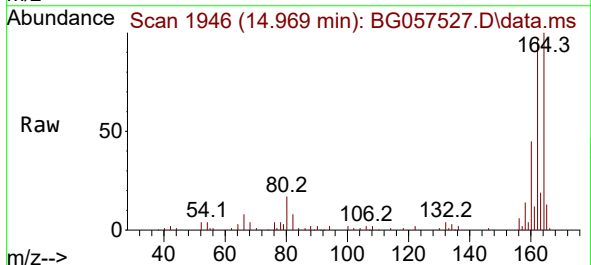
Instrument :
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 ClientSampleId :
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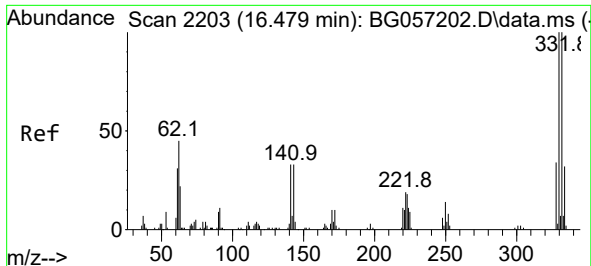
Tgt Ion: 82 Resp: 116280
 Ion Ratio Lower Upper
 82 100
 128 39.3 29.0 43.4
 54 46.8 41.4 62.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.969 min Scan# 1946
 Delta R.T. -0.007 min
 Lab File: BG057527.D
 Acq: 23 May 2023 20:03

Tgt Ion:164 Resp: 69563
 Ion Ratio Lower Upper
 164 100
 162 96.3 81.8 122.6
 160 44.9 34.6 52.0

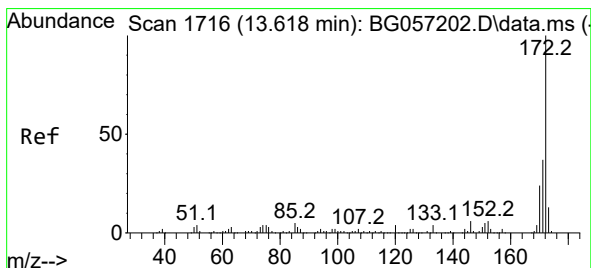
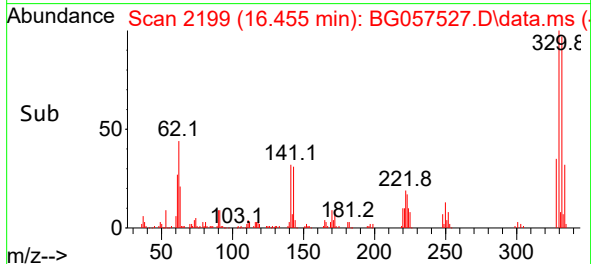
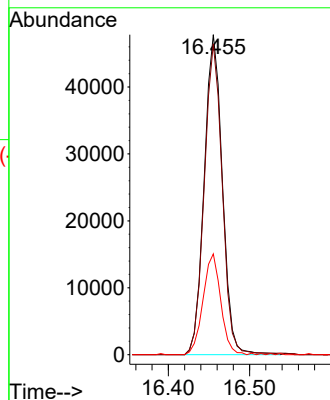
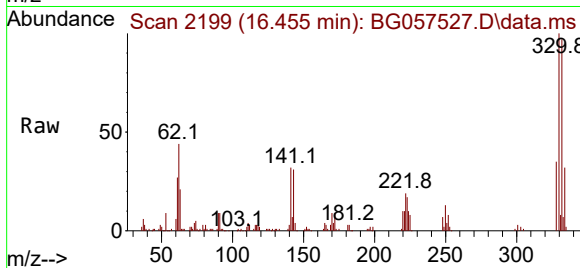




#42
2,4,6-Tribromophenol
Concen: 75.205 ng
RT: 16.455 min Scan# 2199
Delta R.T. -0.001 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

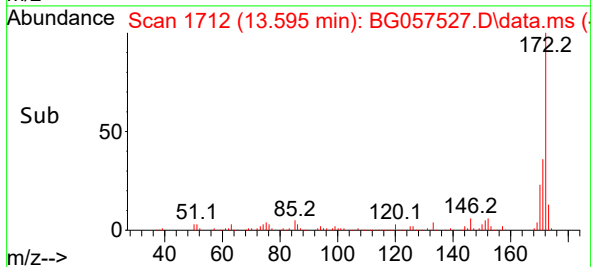
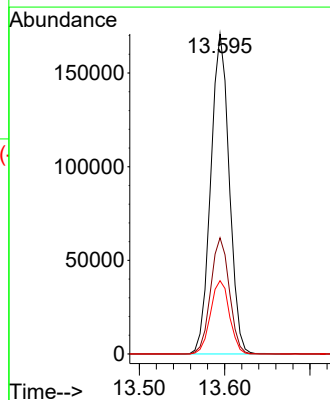
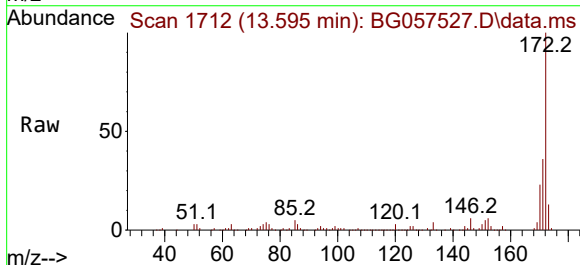
Instrument :
BNA_G
ClientSampleId :
WC-1

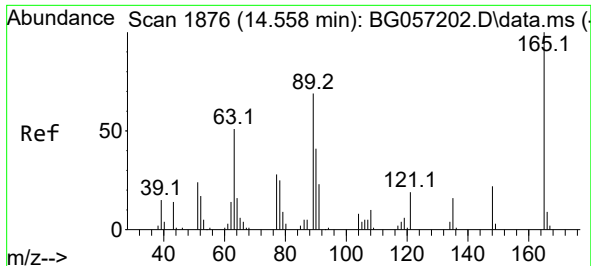
Tgt Ion:330 Resp: 74229
Ion Ratio Lower Upper
330 100
332 96.4 78.2 117.2
141 30.6 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 49.928 ng
RT: 13.595 min Scan# 1712
Delta R.T. -0.007 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

Tgt Ion:172 Resp: 257881
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 22.9 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 7.756 ng

RT: 14.969 min Scan# 1946

Delta R.T. 0.428 min

Lab File: BG057527.D

Acq: 23 May 2023 20:03

Instrument :

BNA_G

ClientSampleId :

WC-1

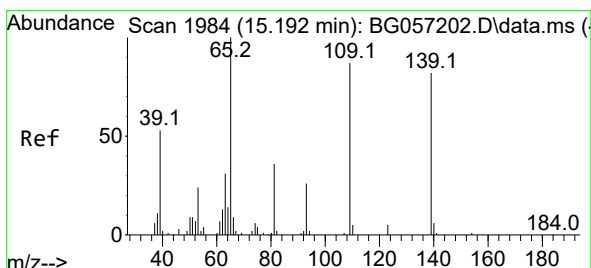
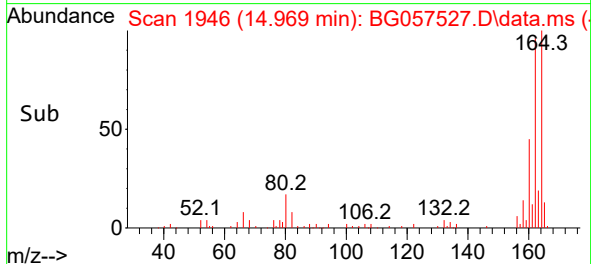
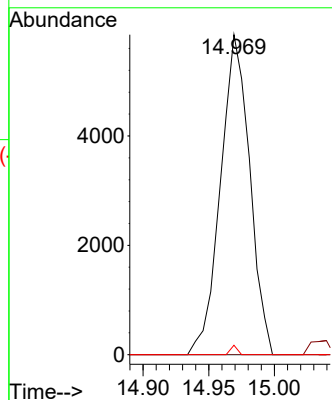
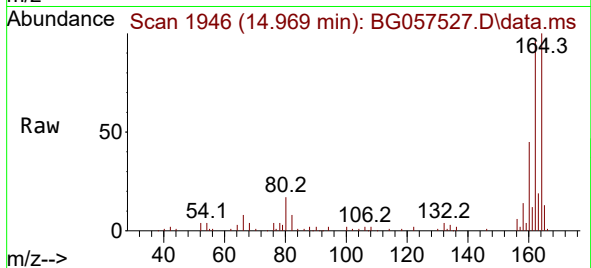
Tgt Ion:165 Resp: 9052

Ion Ratio Lower Upper

165 100

63 0.0 50.9 76.3#

89 3.0 55.2 82.8#



#56

4-Nitrophenol

Concen: 2.249 ng

RT: 15.369 min Scan# 2014

Delta R.T. 0.187 min

Lab File: BG057527.D

Acq: 23 May 2023 20:03

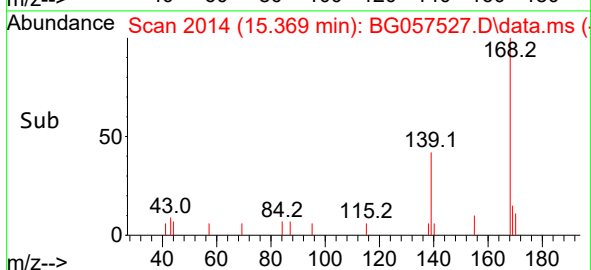
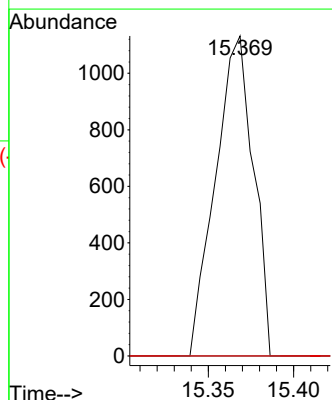
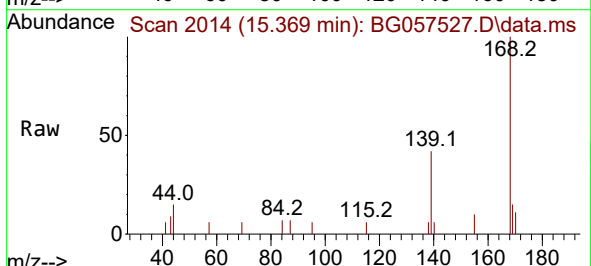
Tgt Ion:139 Resp: 1749

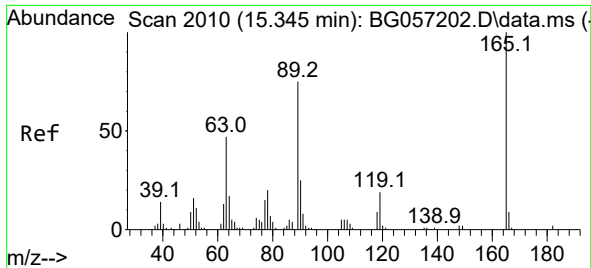
Ion Ratio Lower Upper

139 100

109 0.0 86.6 126.6#

65 0.0 102.6 142.6#

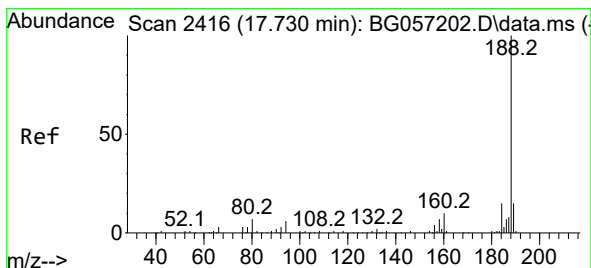
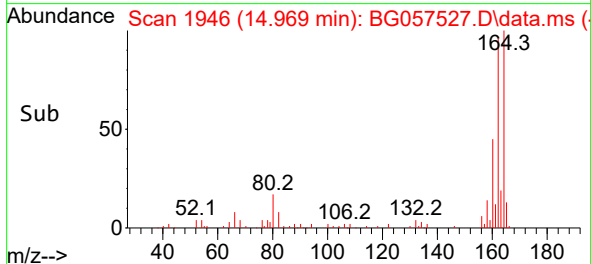
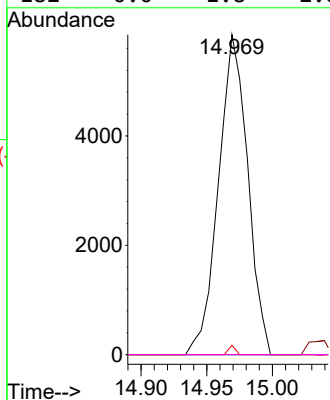
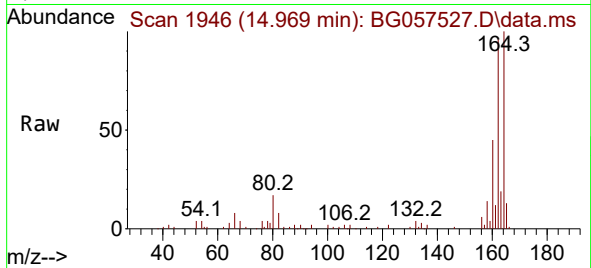




#57
2,4-Dinitrotoluene
Concen: 5.427 ng
RT: 14.969 min Scan# 1946
Delta R.T. -0.360 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

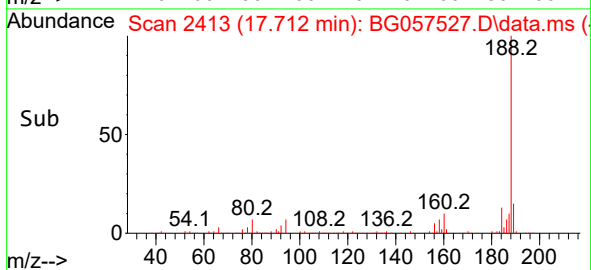
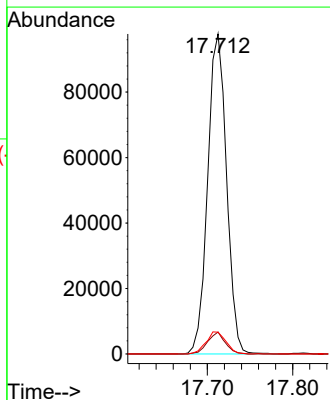
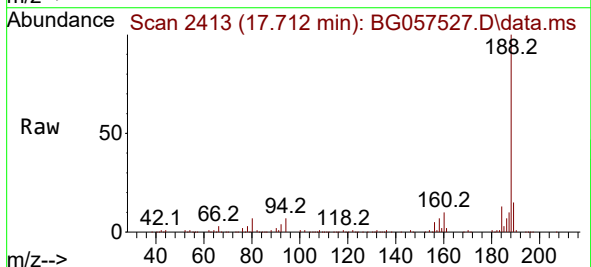
Instrument :
BNA_G
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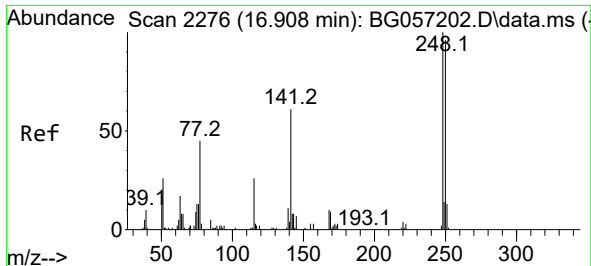
Tgt Ion:165 Resp: 9052
Ion Ratio Lower Upper
165 100
63 0.0 37.5 56.3#
89 3.0 60.2 90.4#
182 0.0 1.8 2.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.712 min Scan# 2413
Delta R.T. -0.001 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

Tgt Ion:188 Resp: 150014
Ion Ratio Lower Upper
188 100
94 6.8 5.1 7.7
80 6.8 5.7 8.5

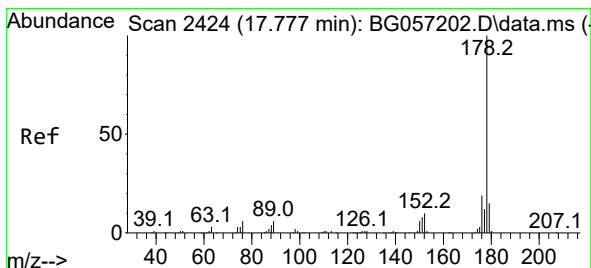
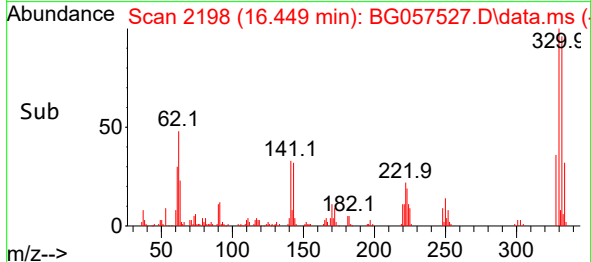
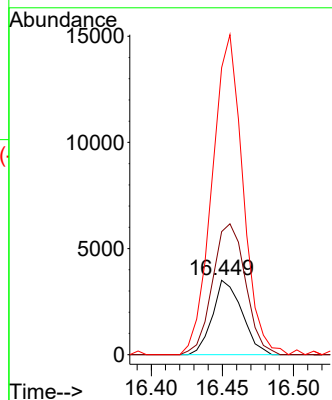
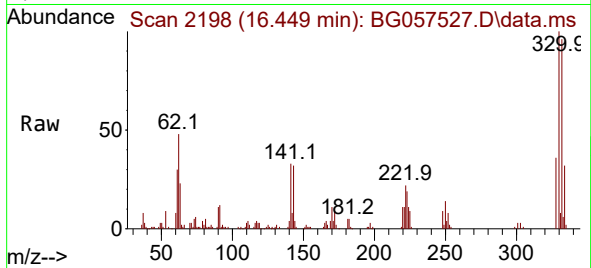




#67
4-Bromophenyl-phenylether
Concen: 2.761 ng
RT: 16.449 min Scan# 2198
Delta R.T. -0.436 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

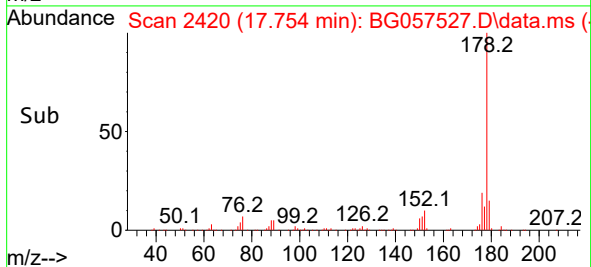
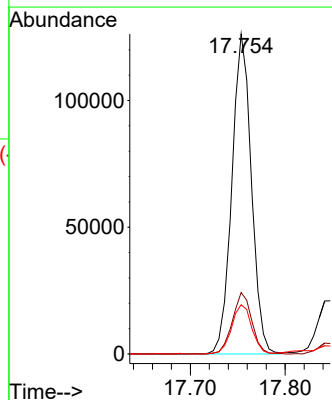
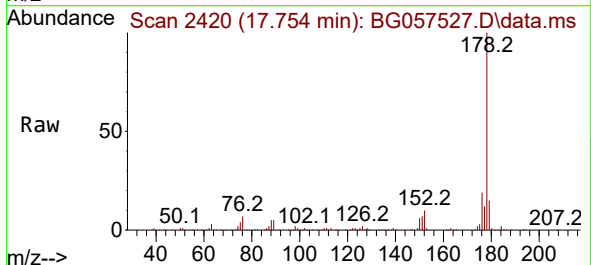
Instrument :
BNA_G
ClientSampleId :
WC-1

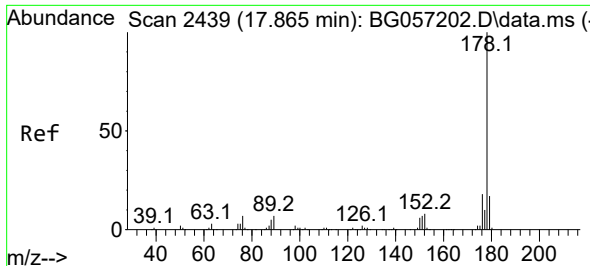
Tgt Ion:248 Resp: 5056
Ion Ratio Lower Upper
248 100
250 165.3 77.0 115.6#
141 385.3 48.6 72.8#



#71
Phenanthrene
Concen: 23.440 ng
RT: 17.754 min Scan# 2420
Delta R.T. -0.001 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

Tgt Ion:178 Resp: 180181
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.4 12.3 18.5

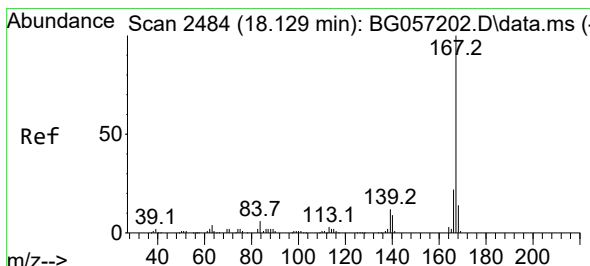
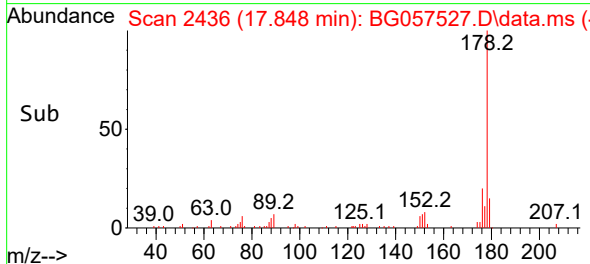
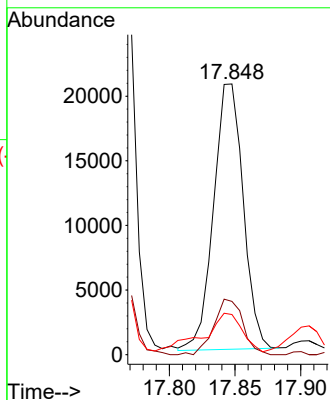
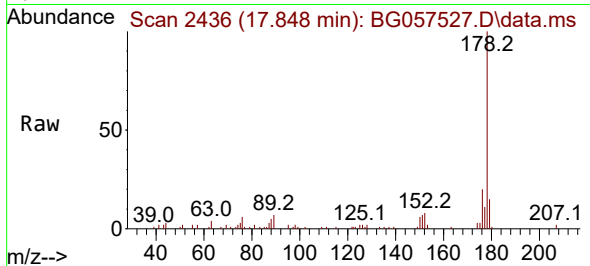




#72
 Anthracene
 Concen: 4.092 ng
 RT: 17.848 min Scan# 2436
 Delta R.T. -0.001 min
 Lab File: BG057527.D
 Acq: 23 May 2023 20:03

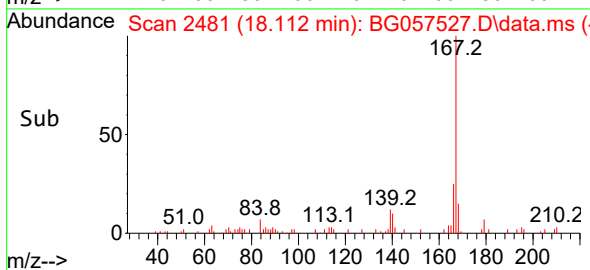
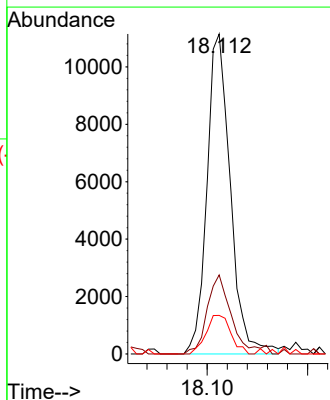
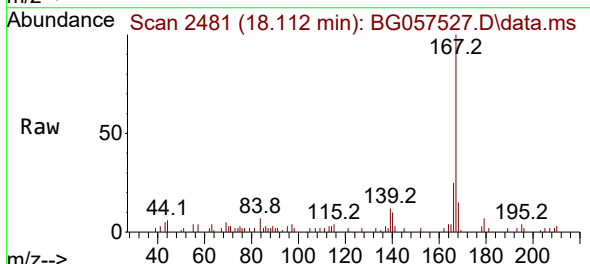
Instrument :
 BNA_G
 ClientSampleId :
 WC-1

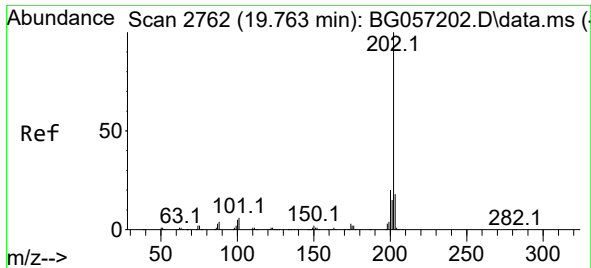
Tgt Ion:178 Resp: 32272
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.7 22.1
 179 14.8 13.2 19.8



#73
 Carbazole
 Concen: 2.714 ng
 RT: 18.112 min Scan# 2481
 Delta R.T. -0.001 min
 Lab File: BG057527.D
 Acq: 23 May 2023 20:03

Tgt Ion:167 Resp: 18023
 Ion Ratio Lower Upper
 167 100
 166 24.7 17.4 26.0
 139 12.0 9.6 14.4

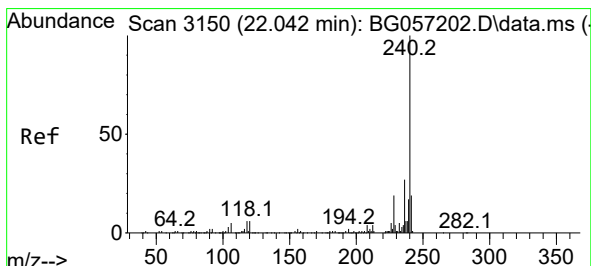
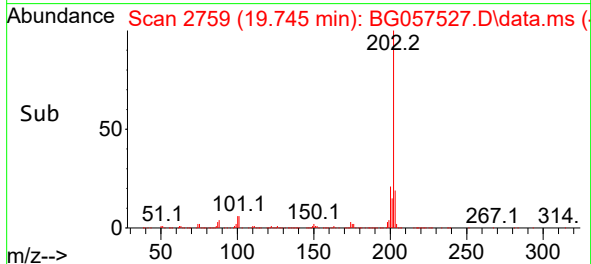
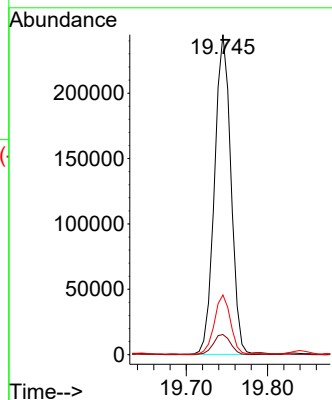
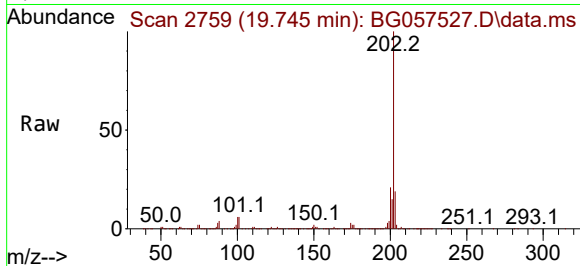




#75
Fluoranthene
Concen: 35.902 ng
RT: 19.745 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

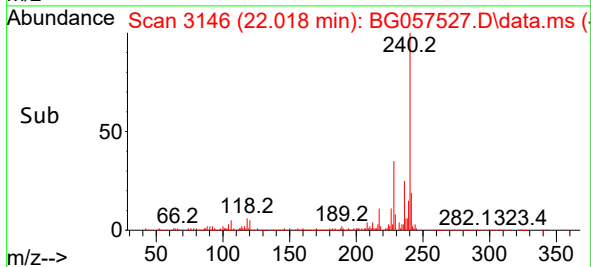
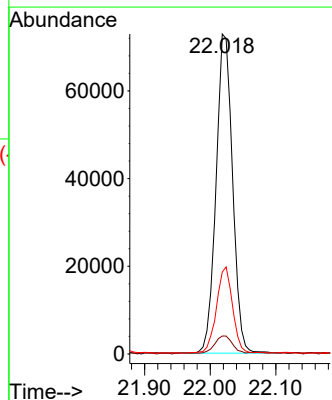
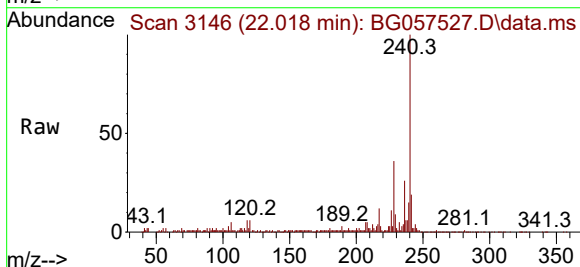
Instrument :
BNA_G
ClientSampleId :
WC-1

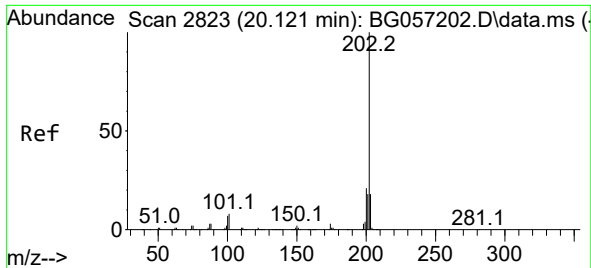
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.3	0.0	26.2
203	18.6	0.0	37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.018 min Scan# 3146
Delta R.T. -0.001 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.6	4.9	7.3
236	25.6	21.4	32.2

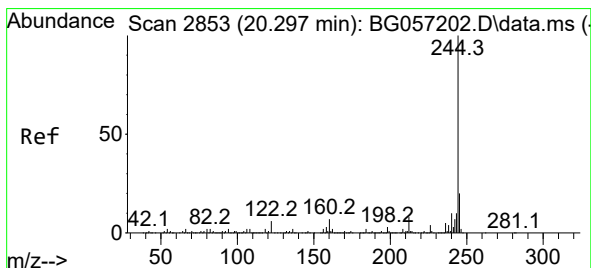
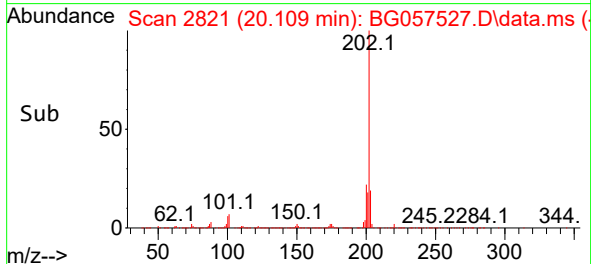
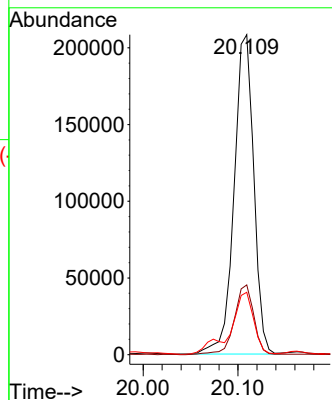
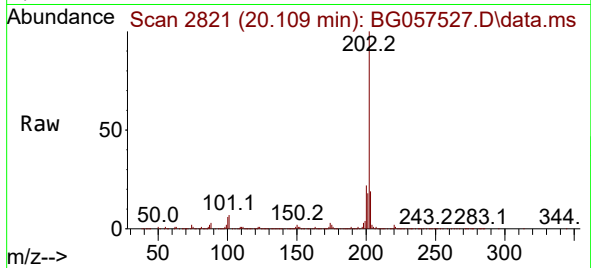




#78
 Pyrene
 Concen: 32.537 ng
 RT: 20.109 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BG057527.D
 Acq: 23 May 2023 20:03

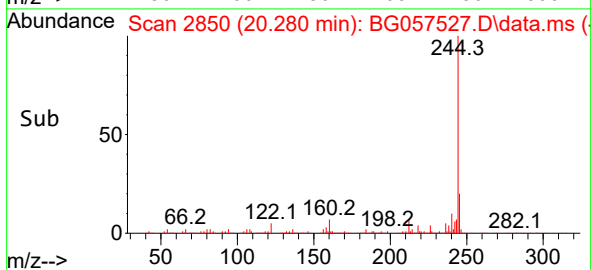
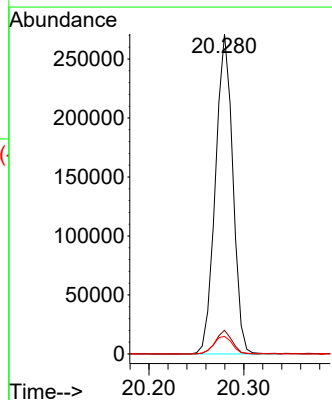
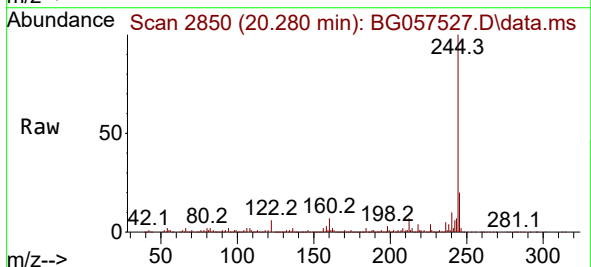
Instrument :
 BNA_G
 ClientSampleId :
 WC-1

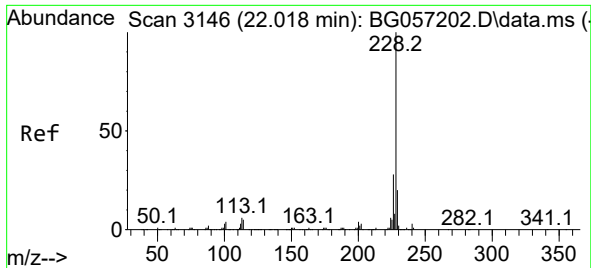
Tgt Ion:202 Resp: 300243
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.0 25.4
 203 19.5 14.2 21.4



#79
 Terphenyl-d14
 Concen: 44.326 ng
 RT: 20.280 min Scan# 2850
 Delta R.T. -0.001 min
 Lab File: BG057527.D
 Acq: 23 May 2023 20:03

Tgt Ion:244 Resp: 344917
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 5.5 5.1 7.7

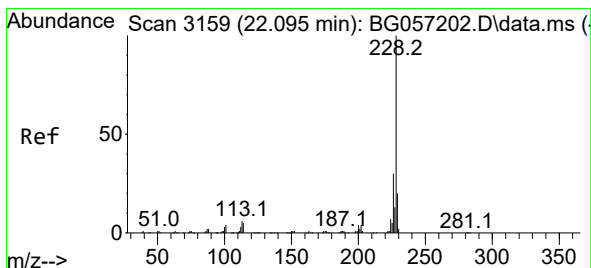
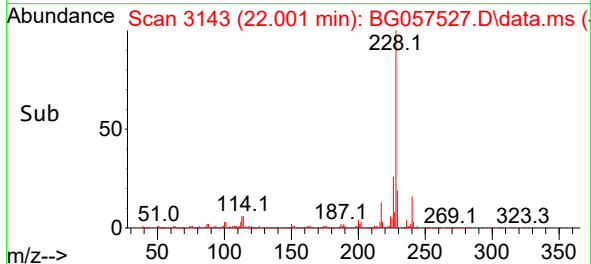
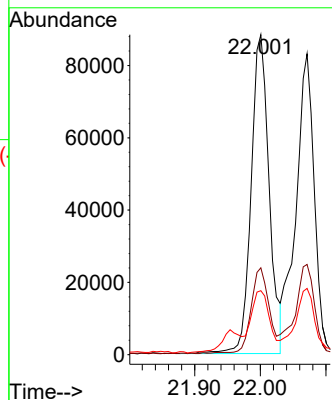
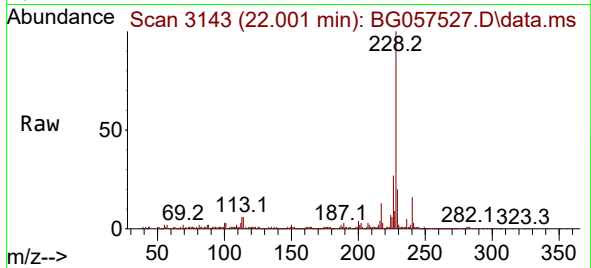




#81
Benzo(a)anthracene
Concen: 18.616 ng
RT: 22.001 min Scan# 3143
Delta R.T. 0.005 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

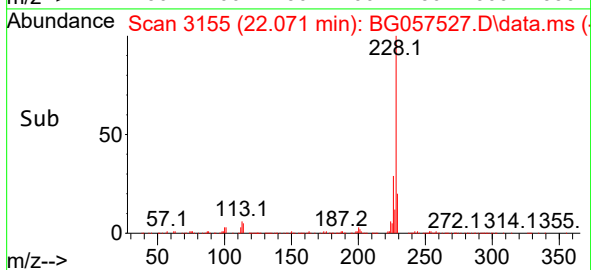
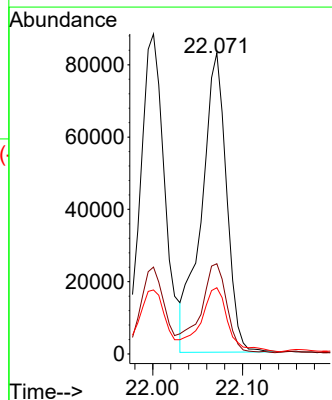
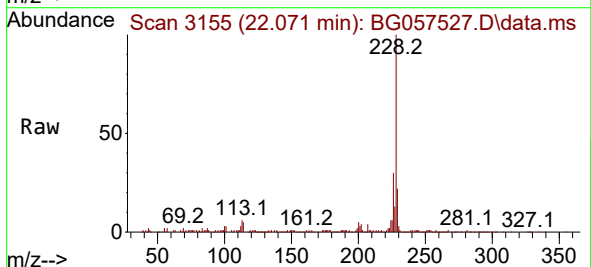
Instrument :
BNA_G
ClientSampleId :
WC-1

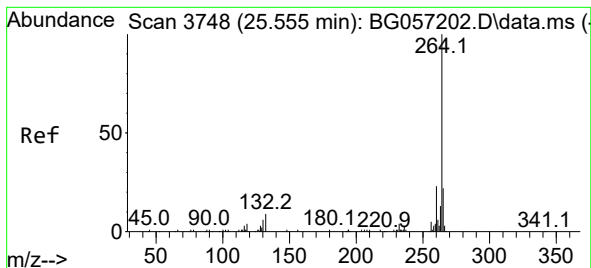
Tgt Ion:228 Resp: 168428
Ion Ratio Lower Upper
228 100
226 27.2 22.0 33.0
229 20.0 15.8 23.8



#83
Chrysene
Concen: 18.836 ng
RT: 22.071 min Scan# 3155
Delta R.T. -0.001 min
Lab File: BG057527.D
Acq: 23 May 2023 20:03

Tgt Ion:228 Resp: 160342
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 22.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.531 min Scan# 3

Delta R.T. 0.016 min

Lab File: BG057527.D

Acq: 23 May 2023 20:03

Instrument :

BNA_G

ClientSampleId :

WC-1

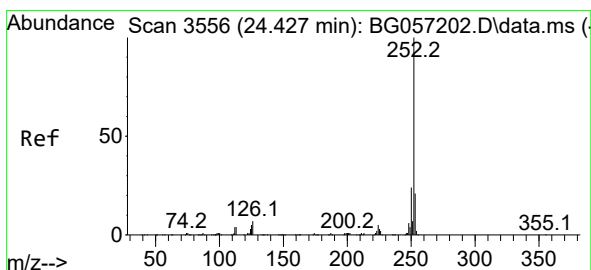
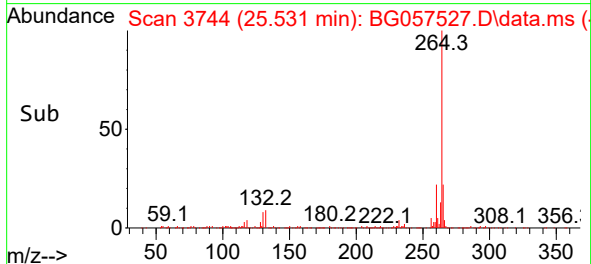
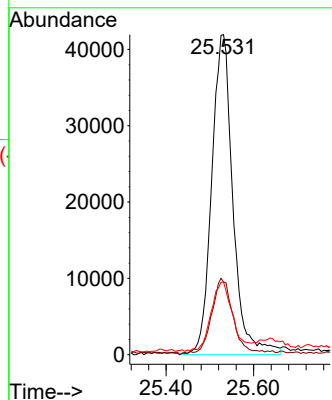
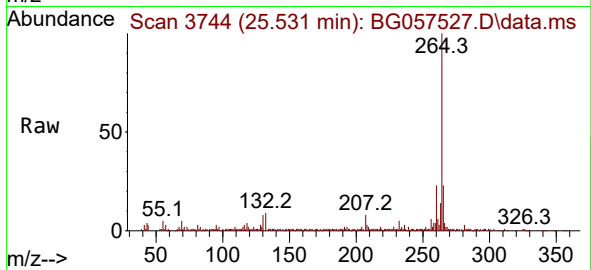
Tgt Ion:264 Resp: 141234

Ion Ratio Lower Upper

264 100

260 22.8 18.8 28.2

265 22.8 17.9 26.9



#88

Benzo(b)fluoranthene

Concen: 21.565 ng

RT: 24.403 min Scan# 3552

Delta R.T. 0.011 min

Lab File: BG057527.D

Acq: 23 May 2023 20:03

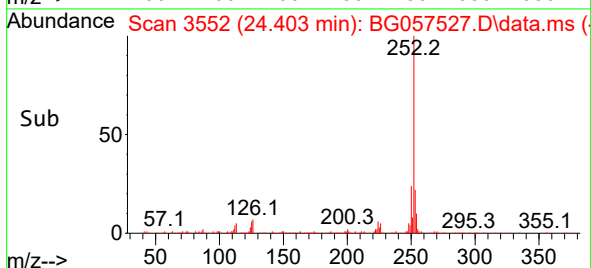
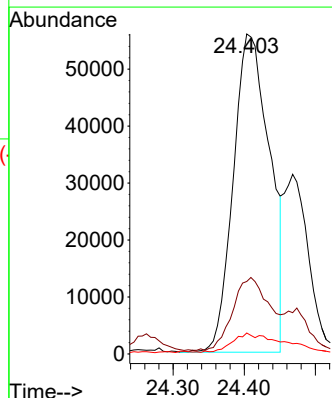
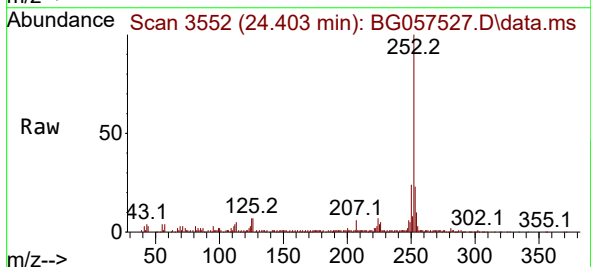
Tgt Ion:252 Resp: 199096

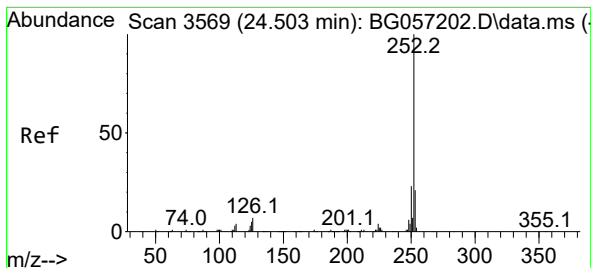
Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

125 6.5 4.2 6.2#





#89

Benzo(k)fluoranthene

Concen: 21.222 ng

RT: 24.403 min Scan# 3

Delta R.T. -0.066 min

Lab File: BG057527.D

Acq: 23 May 2023 20:03

Instrument :

BNA_G

ClientSampleId :

WC-1

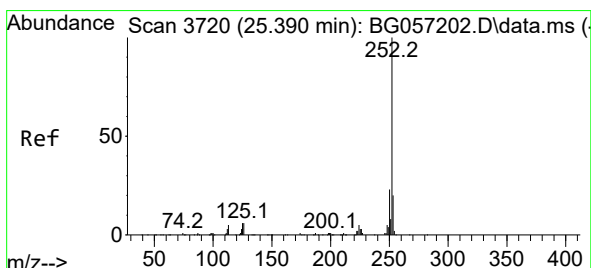
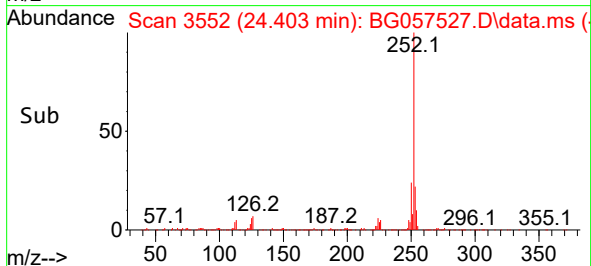
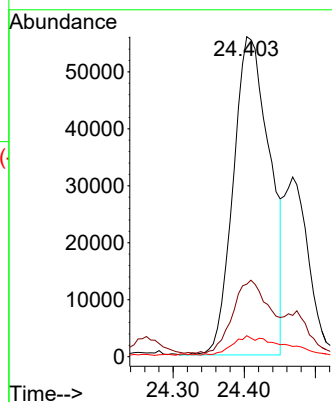
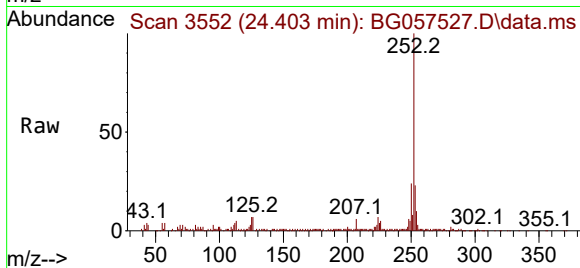
Tgt Ion:252 Resp: 199096

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 6.5 4.1 6.1#



#90

Benzo(a)pyrene

Concen: 15.482 ng

RT: 25.361 min Scan# 3715

Delta R.T. 0.005 min

Lab File: BG057527.D

Acq: 23 May 2023 20:03

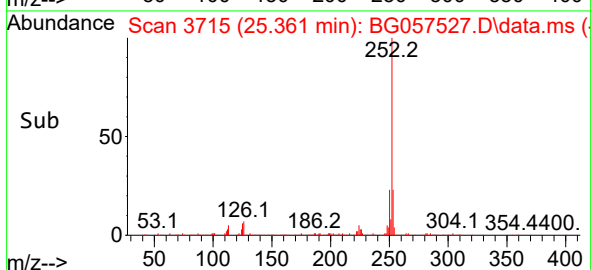
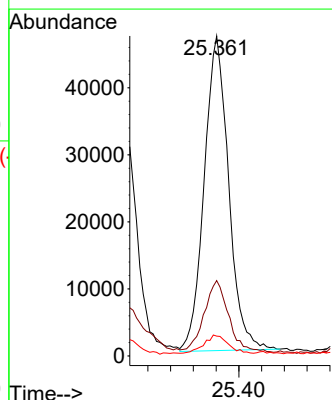
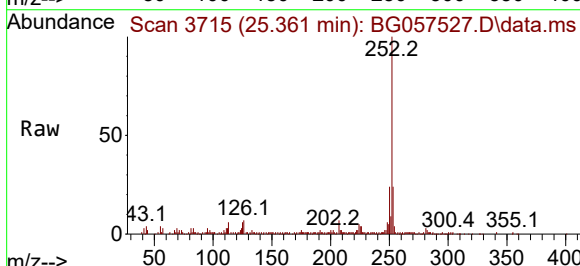
Tgt Ion:252 Resp: 139645

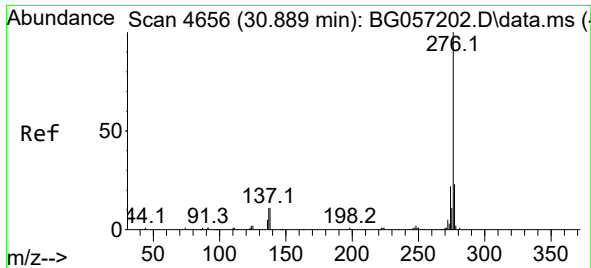
Ion Ratio Lower Upper

252 100

253 23.6 16.3 24.5

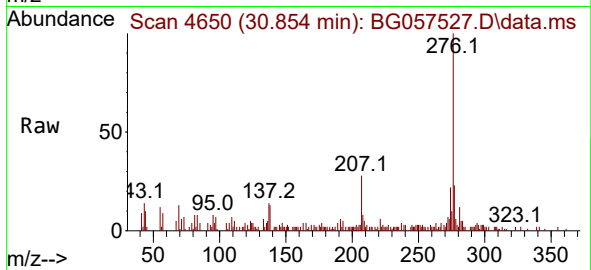
125 6.2 5.0 7.4





#92
 Benzo(g,h,i)perylene
 Concen: 8.814 ng
 RT: 30.854 min Scan# 4
 Delta R.T. 0.016 min
 Lab File: BG057527.D
 Acq: 23 May 2023 20:03

Instrument :
 BNA_G
 ClientSampleId :
 WC-1



Tgt Ion:	276	Resp:	73774
Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.4	27.6
138	13.4	9.0	13.4

