

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
 Data File : BG061093.D
 Acq On : 2 May 2024 14:43
 Operator : MA/JU
 Sample : P2284-01DL 50X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 15:48:43 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)

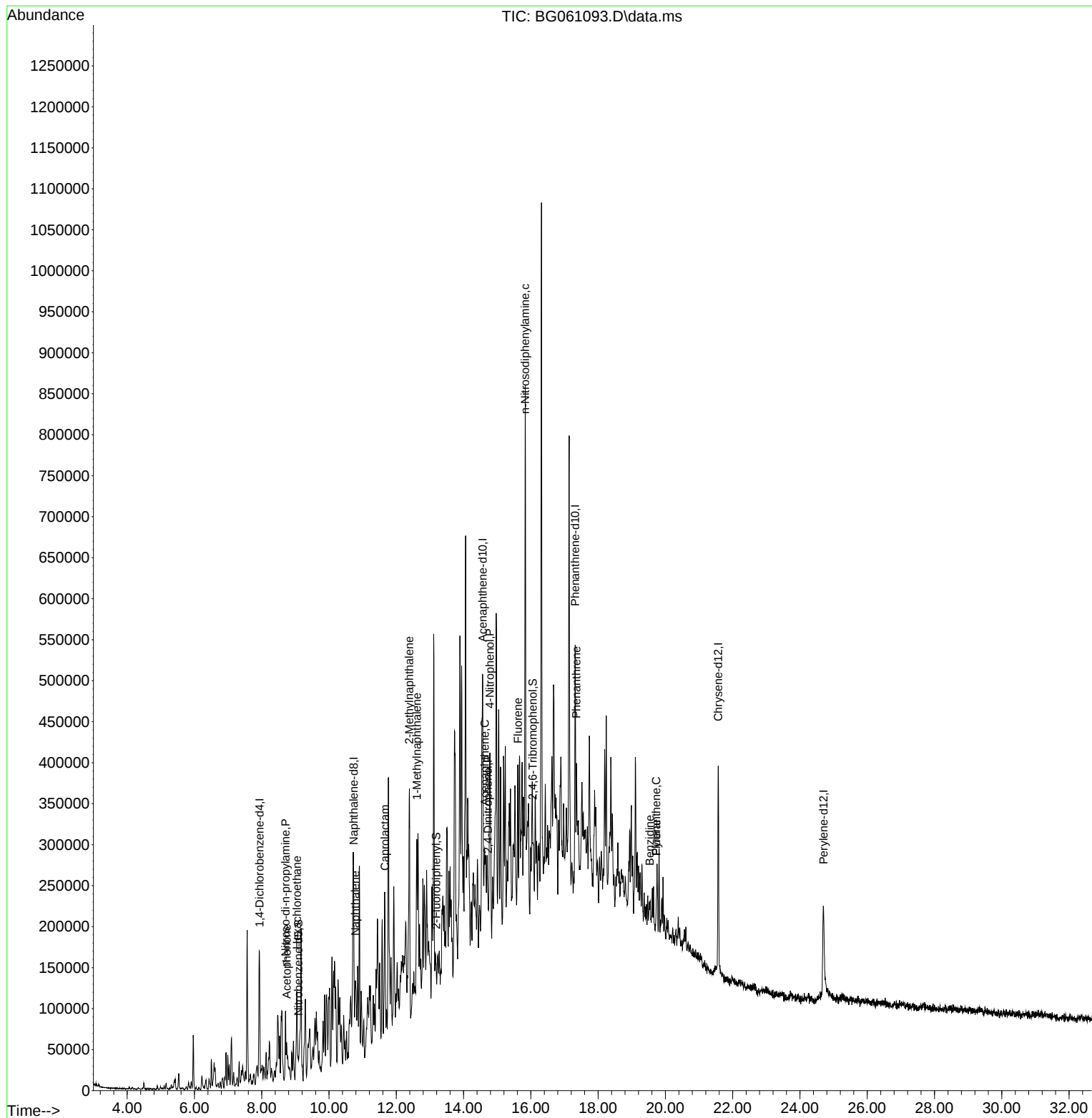
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	29041	20.000	ng	-0.02
21) Naphthalene-d8	10.734	136	107565	20.000	ng	#-0.02
39) Acenaphthene-d10	14.571	164	80178	20.000	ng	-0.02
64) Phenanthrene-d10	17.314	188	166010	20.000	ng	-0.02
76) Chrysene-d12	21.568	240	168753	20.000	ng	-0.02
86) Perylene-d12	24.700	264	166478	20.000	ng	#-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1935	1.355	ng	-0.01
7) Phenol-d6	7.103	99	1896	0.898	ng	-0.03
23) Nitrobenzene-d5	9.095	82	5335	2.459	ng	-0.02
42) 2,4,6-Tribromophenol	16.057	330	3788	2.364	ng	-0.02
45) 2-Fluorobiphenyl	13.190	172	11274	2.079	ng	-0.02
79) Terphenyl-d14	19.929	244	19284	1.901	ng	-0.02
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.091	77	1291	Below Cal	#	1
18) Hexachloroethane	9.048	117	6854	8.999	ng	# 1
19) n-Nitroso-di-n-propyla...	8.707	70	3428	2.168	ng	# 73
22) Acetophenone	8.742	105	23076	8.614	ng	# 49
31) Naphthalene	10.787	128	15232	2.725	ng	# 74
35) Caprolactam	11.662	113	2031	3.104	ng	# 1
37) 2-Methylnaphthalene	12.391	142	96770	23.100	ng	94
38) 1-Methylnaphthalene	12.614	142	73151	17.345	ng	92
52) Acenaphthene	14.629	154	10496	2.661	ng	# 87
54) 2,4-Dinitrophenol	14.723	184	85	2.295	ng	# 1
56) 4-Nitrophenol	14.782	139	11213	11.448	ng	# 32
58) Fluorene	15.616	166	22475	3.899	ng	# 72
66) n-Nitrosodiphenylamine	15.828	169	44578	10.828	ng	# 53
71) Phenanthrene	17.356	178	79701	10.500	ng	# 96
75) Fluoranthene	19.729	202	31913	3.069	ng	79
77) Benzidine	19.535	184	216	2.859	ng	# 1
78) Pyrene	19.729	202	31913	2.975	ng	# 85

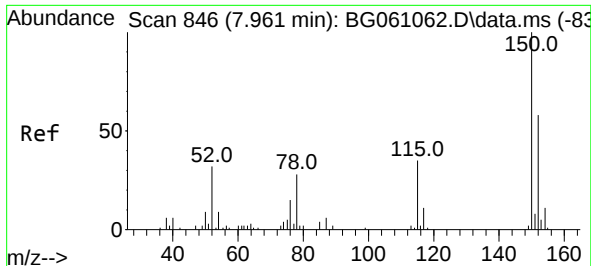
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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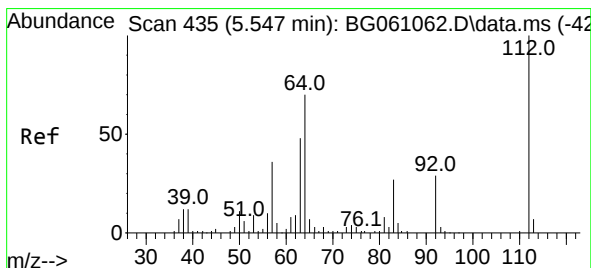
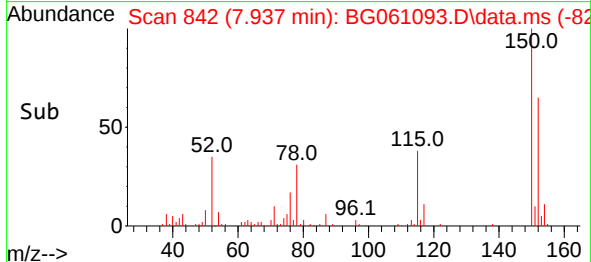
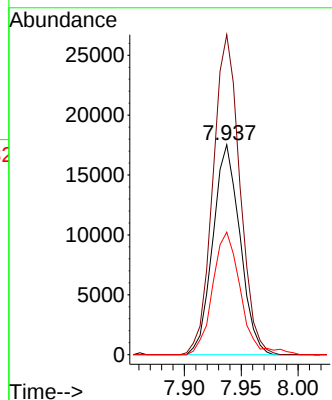
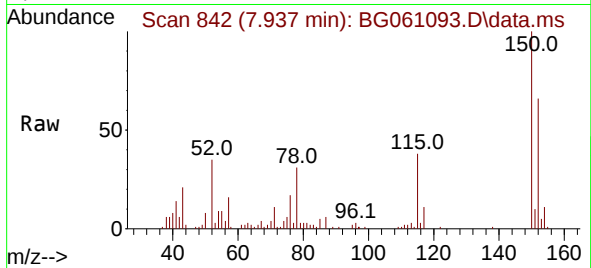




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.937 min Scan# 84
 Delta R.T. -0.024 min
 Lab File: BG061093.D
 Acq: 2 May 2024 14:43

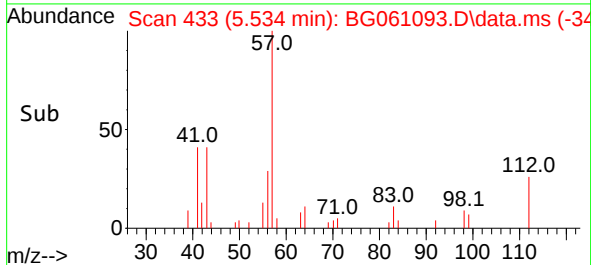
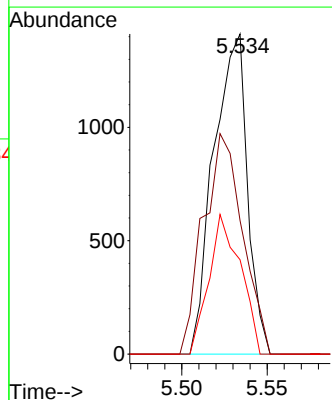
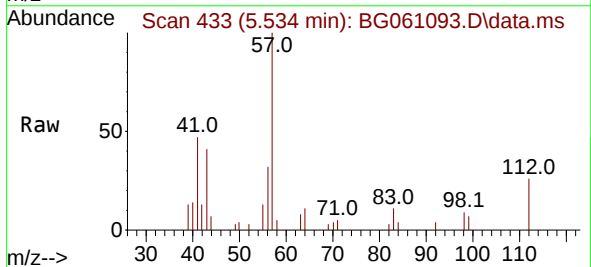
Instrument :
 BNA_G
 ClientSampleId :

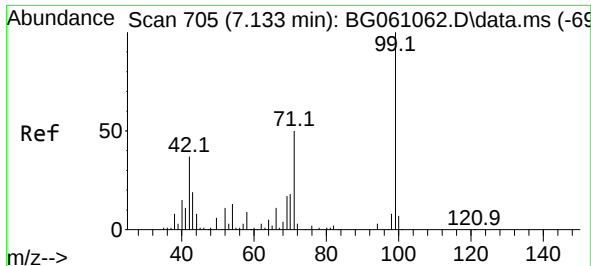
Tgt Ion:152 Resp: 29041
 Ion Ratio Lower Upper
 152 100
 150 152.4 138.3 207.5
 115 58.4 48.0 72.0



#5
 2-Fluorophenol
 Concen: 1.355 ng
 RT: 5.534 min Scan# 433
 Delta R.T. -0.012 min
 Lab File: BG061093.D
 Acq: 2 May 2024 14:43

Tgt Ion:112 Resp: 1935
 Ion Ratio Lower Upper
 112 100
 64 41.7 55.7 83.5#
 63 29.5 38.1 57.1#





#7

Phenol-d6

Concen: 0.898 ng

RT: 7.103 min Scan# 705

Delta R.T. -0.030 min

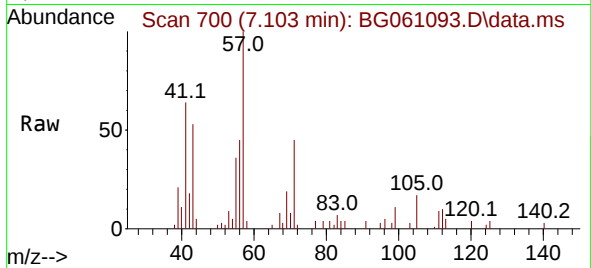
Lab File: BG061093.D

Acq: 2 May 2024 14:43

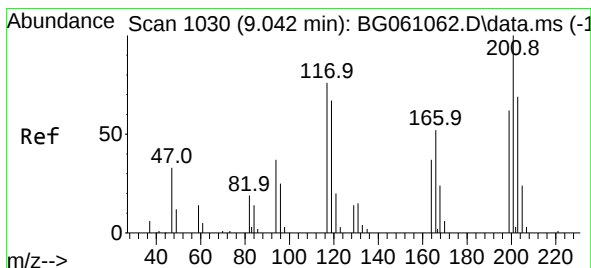
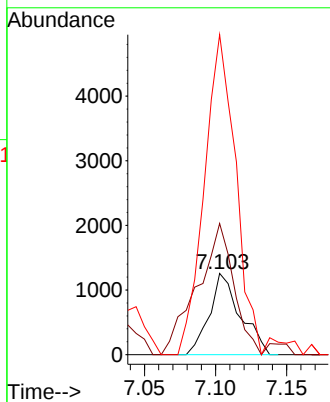
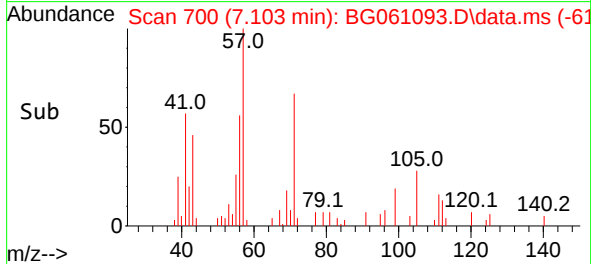
Instrument :

BNA_G

ClientSampleId :



Tgt Ion:	99	Resp:	1896
Ion Ratio	100	Lower	Upper
99	100		
42	161.4	29.2	43.8#
71	394.0	39.7	59.5#



#18

Hexachloroethane

Concen: 8.999 ng

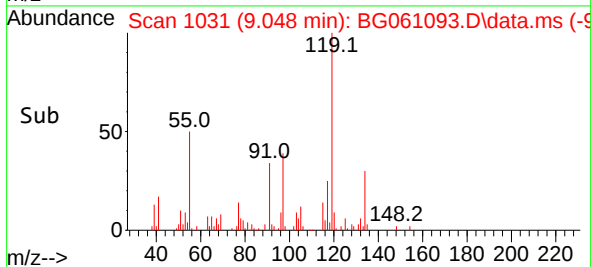
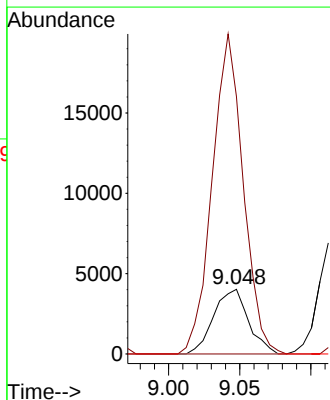
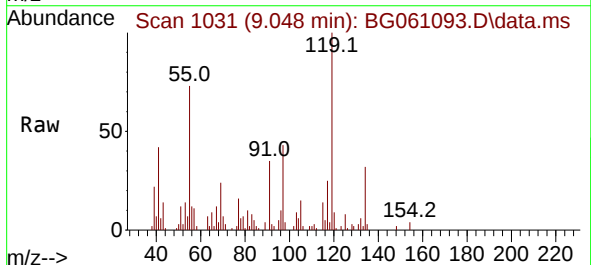
RT: 9.048 min Scan# 1031

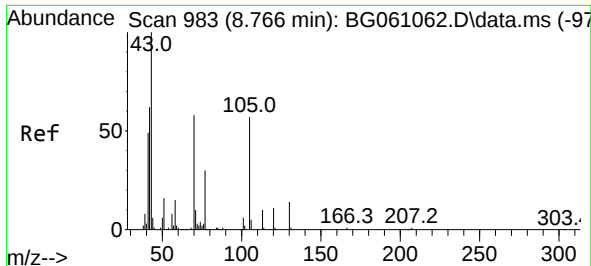
Delta R.T. 0.005 min

Lab File: BG061093.D

Acq: 2 May 2024 14:43

Tgt Ion:	117	Resp:	6854
Ion Ratio	100	Lower	Upper
117	100		
119	398.1	71.4	107.0#
201	0.0	105.8	158.8#





#19

n-Nitroso-di-n-propylamine

Concen: 2.168 ng

RT: 8.707 min Scan# 91

Delta R.T. -0.059 min

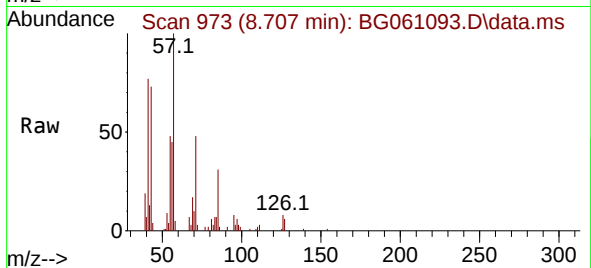
Lab File: BG061093.D

Acq: 2 May 2024 14:43

Instrument :

BNA_G

ClientSampleId :



Tgt Ion: 70 Resp: 3428

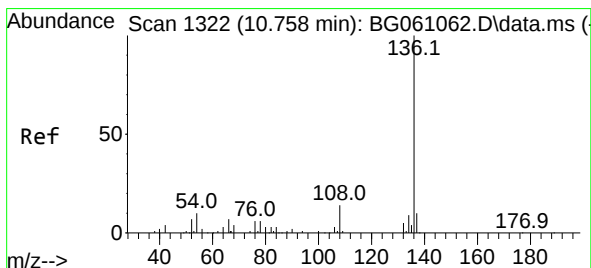
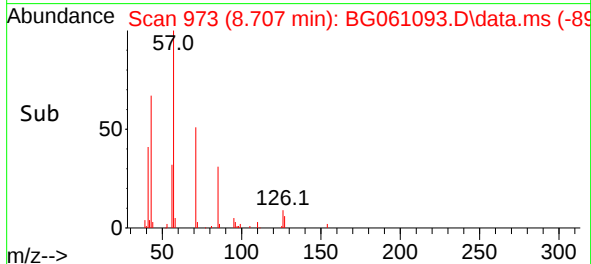
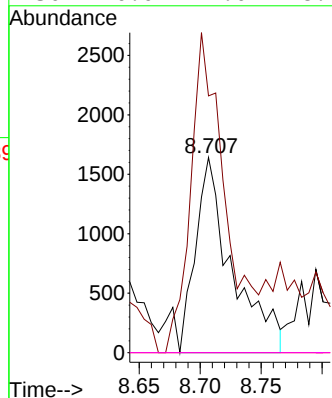
Ion Ratio Lower Upper

70 100

42 131.6 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: 10.734 min Scan# 1318

Delta R.T. -0.024 min

Lab File: BG061093.D

Acq: 2 May 2024 14:43

Tgt Ion: 136 Resp: 107565

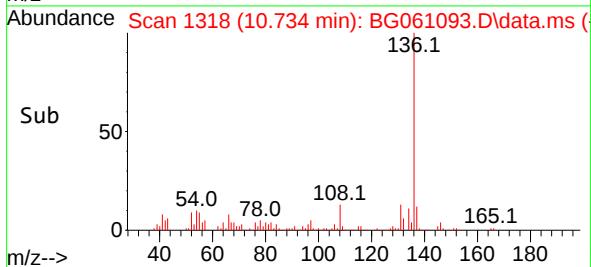
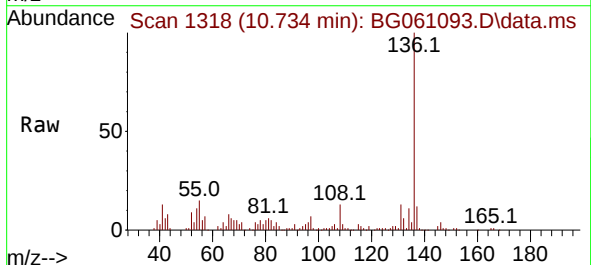
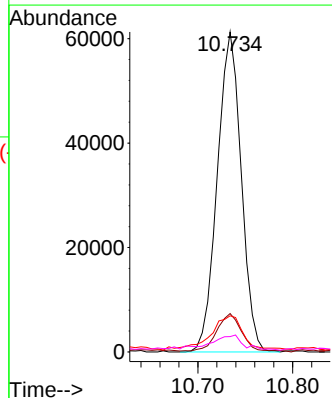
Ion Ratio Lower Upper

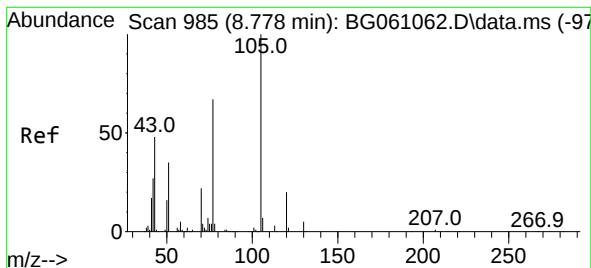
136 100

137 12.0 7.8 11.6#

54 11.3 8.1 12.1

68 4.8 3.0 4.4#





#22

Acetophenone

Concen: 8.614 ng

RT: 8.742 min Scan# 91

Delta R.T. -0.036 min

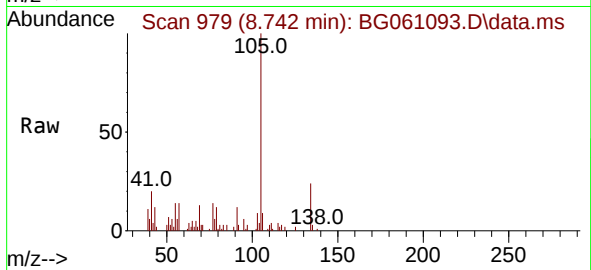
Lab File: BG061093.D

Acq: 2 May 2024 14:43

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:105 Resp: 23076

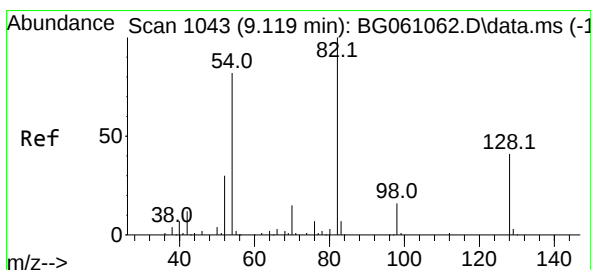
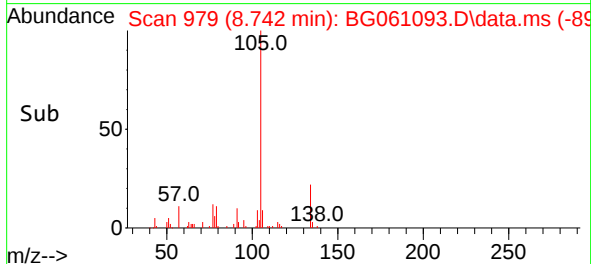
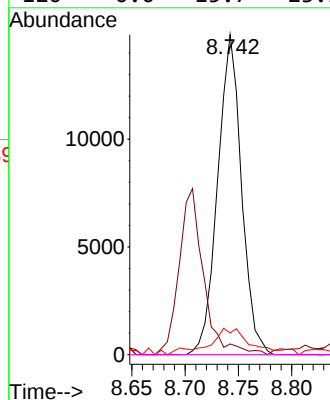
Ion Ratio Lower Upper

105 100

71 3.3 3.3 4.9

51 6.8 36.7 55.1#

120 0.0 15.7 23.5#



#23

Nitrobenzene-d5

Concen: 2.459 ng

RT: 9.095 min Scan# 1039

Delta R.T. -0.024 min

Lab File: BG061093.D

Acq: 2 May 2024 14:43

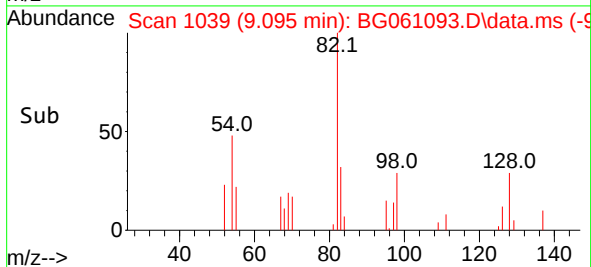
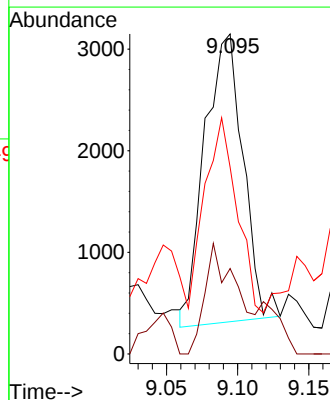
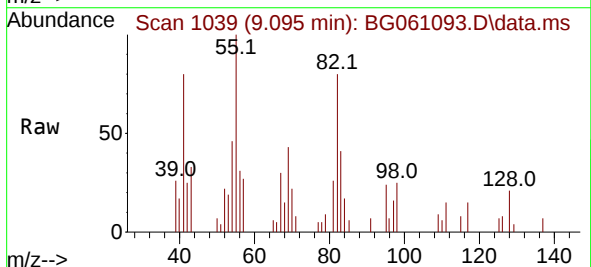
Tgt Ion: 82 Resp: 5335

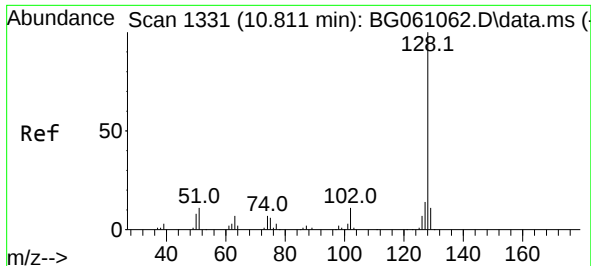
Ion Ratio Lower Upper

82 100

128 26.7 32.7 49.1#

54 58.3 65.6 98.4#

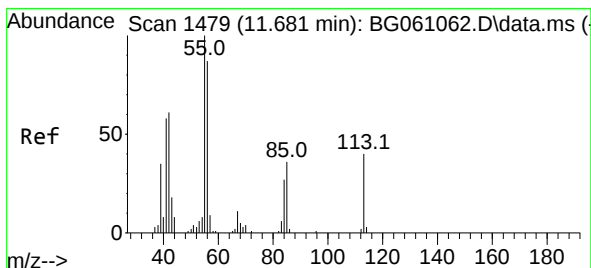
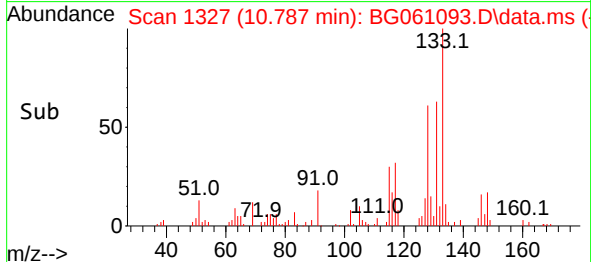
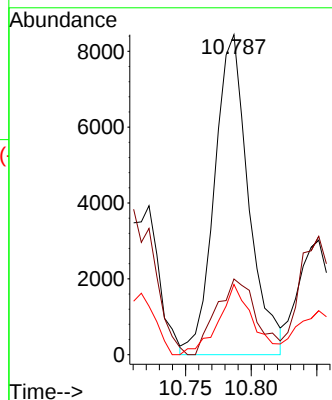
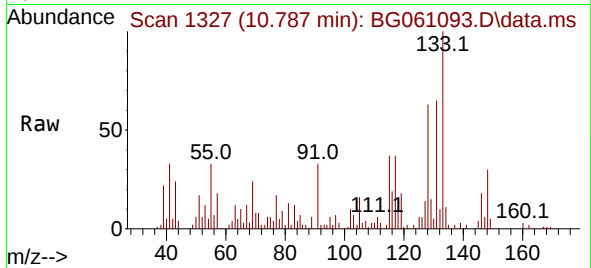




#31
Naphthalene
Concen: 2.725 ng
RT: 10.787 min Scan# 11
Delta R.T. -0.024 min
Lab File: BG061093.D
Acq: 2 May 2024 14:43

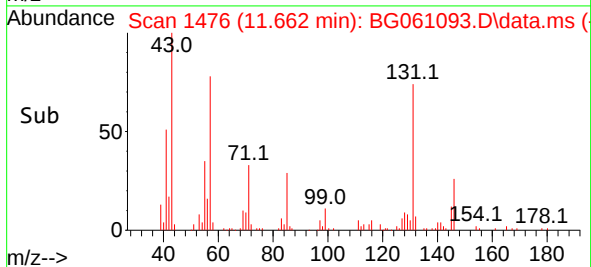
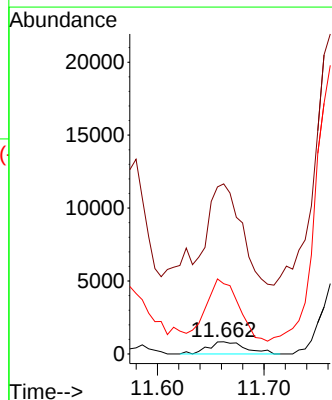
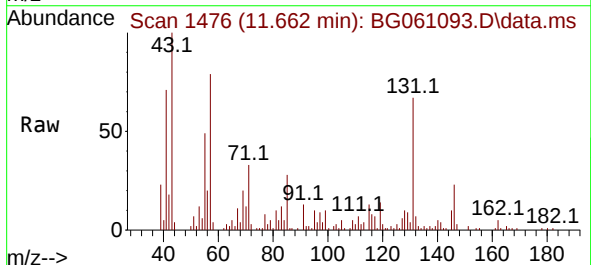
Instrument :
BNA_G
ClientSampleId :

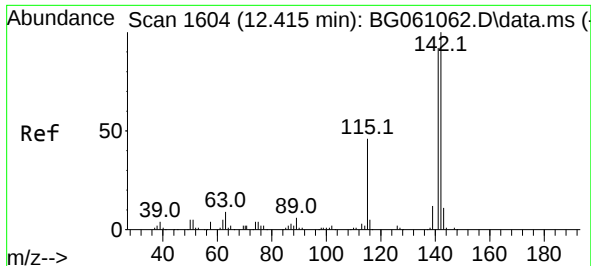
Tgt Ion:128 Resp: 15232
Ion Ratio Lower Upper
128 100
129 23.7 8.9 13.3#
127 22.0 11.1 16.7#



#35
Caprolactam
Concen: 3.104 ng
RT: 11.662 min Scan# 1476
Delta R.T. -0.018 min
Lab File: BG061093.D
Acq: 2 May 2024 14:43

Tgt Ion:113 Resp: 2031
Ion Ratio Lower Upper
113 100
55 1396.5 227.6 267.6#
56 576.4 195.1 235.1#

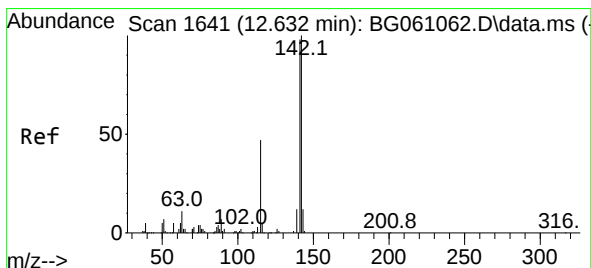
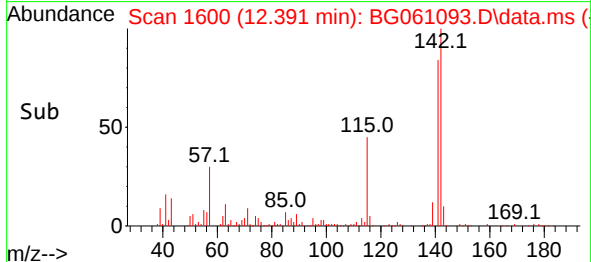
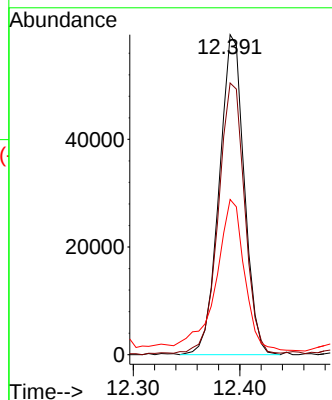
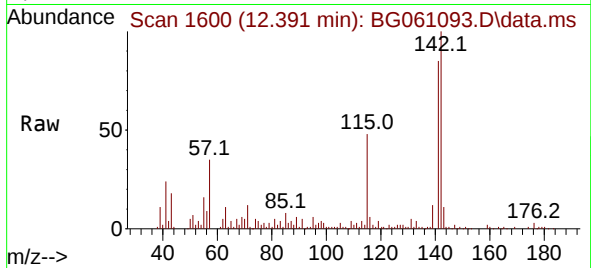




#37
2-Methylnaphthalene
Concen: 23.100 ng
RT: 12.391 min Scan# 1
Delta R.T. -0.024 min
Lab File: BG061093.D
Acq: 2 May 2024 14:43

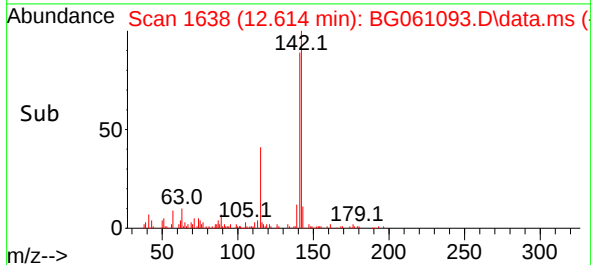
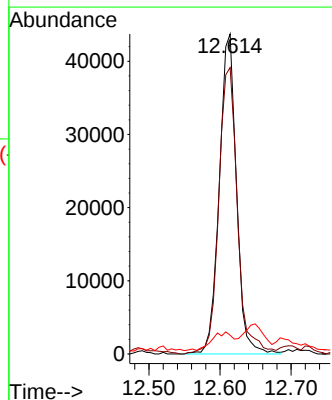
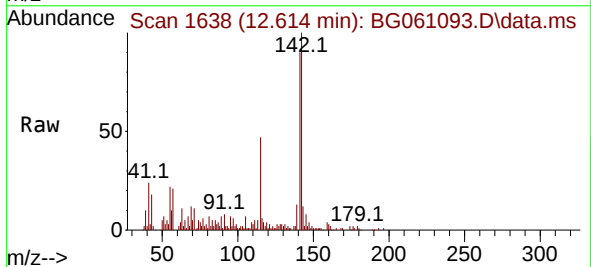
Instrument :
BNA_G
ClientSampleId :

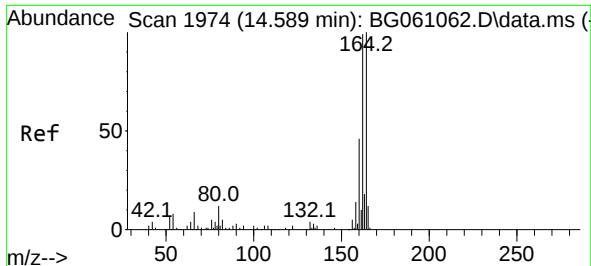
Tgt Ion:142 Resp: 96770
Ion Ratio Lower Upper
142 100
141 84.9 73.8 110.8
115 48.5 36.9 55.3



#38
1-Methylnaphthalene
Concen: 17.345 ng
RT: 12.614 min Scan# 1638
Delta R.T. -0.018 min
Lab File: BG061093.D
Acq: 2 May 2024 14:43

Tgt Ion:142 Resp: 73151
Ion Ratio Lower Upper
142 100
141 89.5 78.4 117.6
116 5.9 4.3 6.5

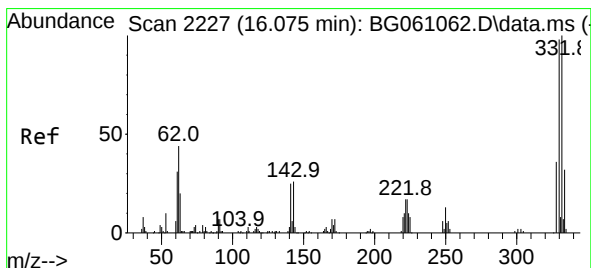
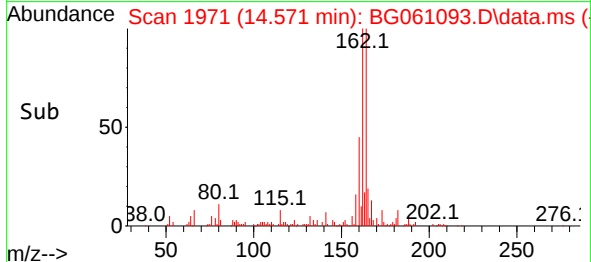
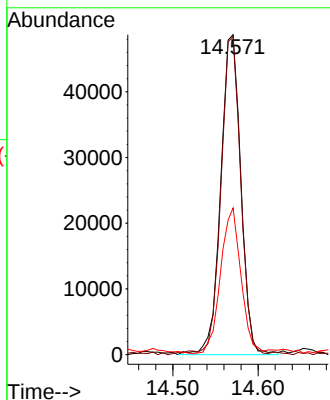
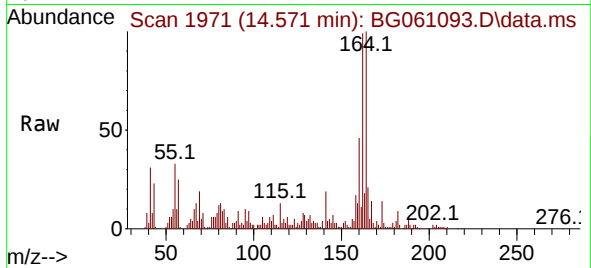




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.571 min Scan# 1971
Delta R.T. -0.018 min
Lab File: BG061093.D
Acq: 2 May 2024 14:43

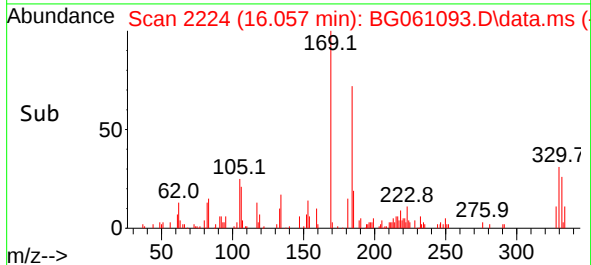
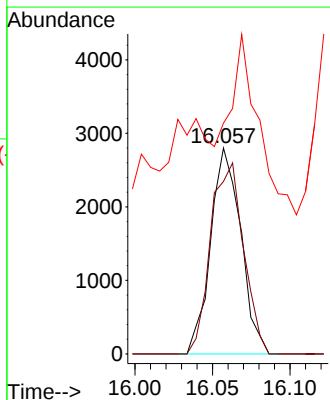
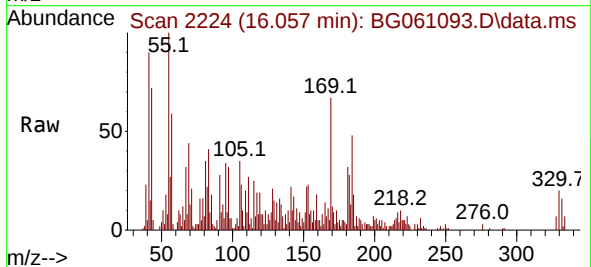
Instrument :
BNA_G
ClientSampleId :

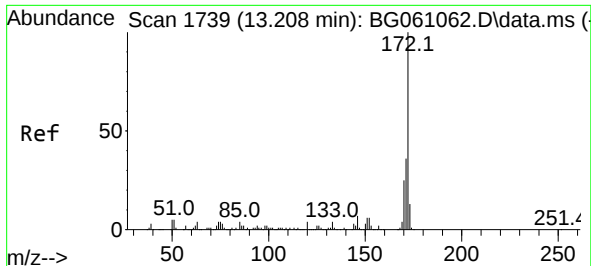
Tgt Ion:164 Resp: 80178
Ion Ratio Lower Upper
164 100
162 99.4 79.4 119.2
160 45.9 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 2.364 ng
RT: 16.057 min Scan# 2224
Delta R.T. -0.018 min
Lab File: BG061093.D
Acq: 2 May 2024 14:43

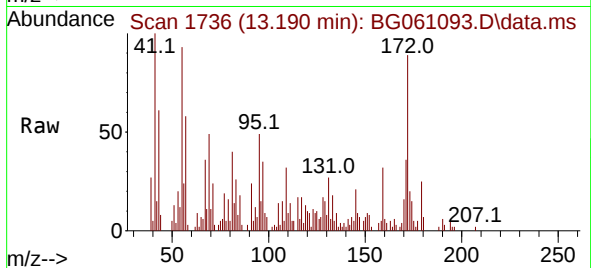
Tgt Ion:330 Resp: 3788
Ion Ratio Lower Upper
330 100
332 101.1 78.6 117.8
141 84.5 20.5 30.7#



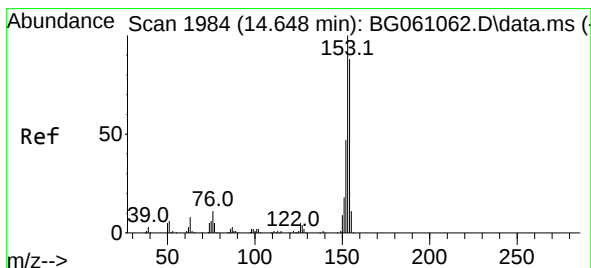
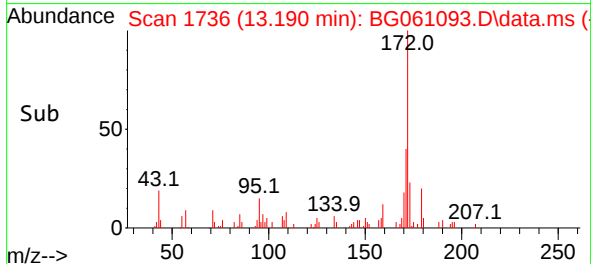
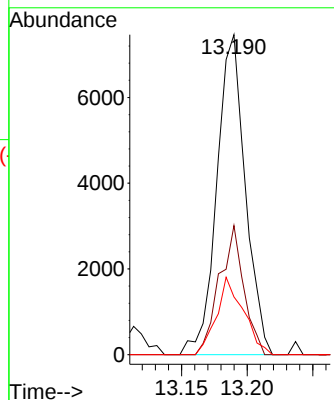


#45
2-Fluorobiphenyl
Concen: 2.079 ng
RT: 13.190 min Scan# 1736
Delta R.T. -0.018 min
Lab File: BG061093.D
Acq: 2 May 2024 14:43

Instrument :
BNA_G
ClientSampleId :

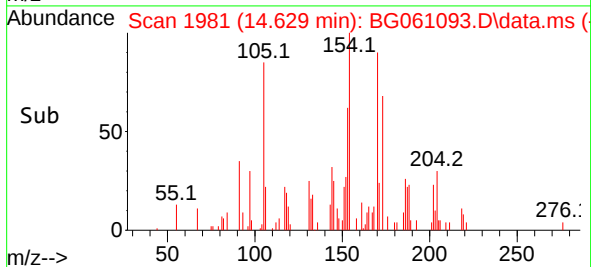
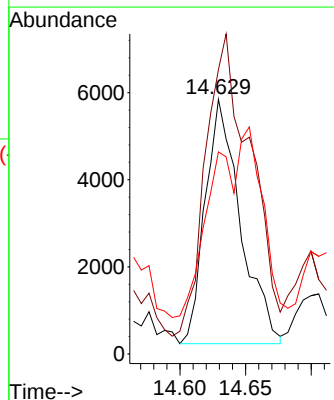
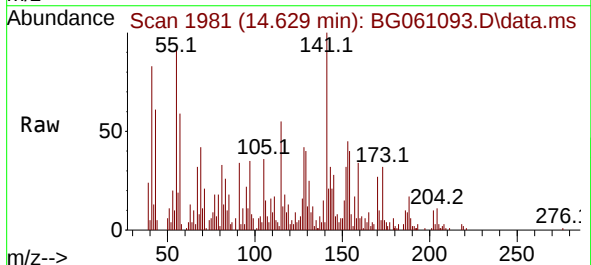


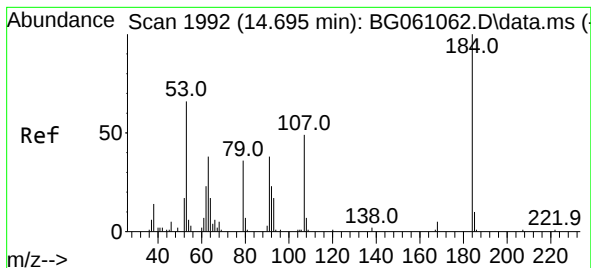
Tgt Ion:	172	Resp:	11274
Ion	Ratio	Lower	Upper
172	100		
171	40.4	29.0	43.6
170	18.0	20.2	30.4



#52
Acenaphthene
Concen: 2.661 ng
RT: 14.629 min Scan# 1981
Delta R.T. -0.018 min
Lab File: BG061093.D
Acq: 2 May 2024 14:43

Tgt Ion:	154	Resp:	10496
Ion	Ratio	Lower	Upper
154	100		
153	111.6	91.0	136.4
152	79.4	43.1	64.7

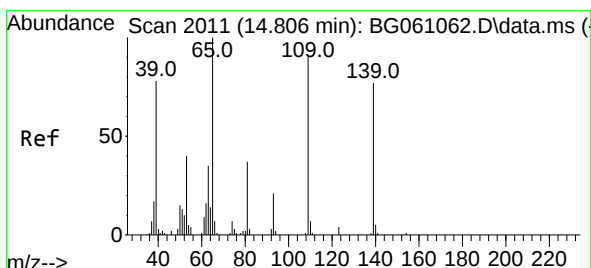
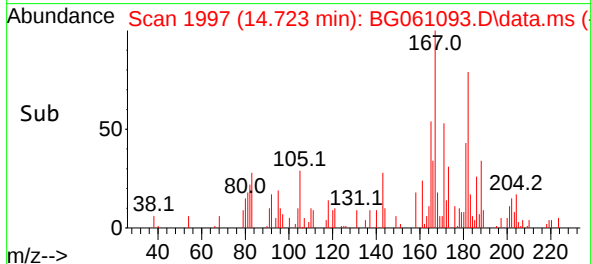
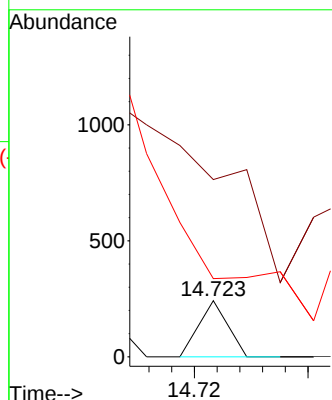
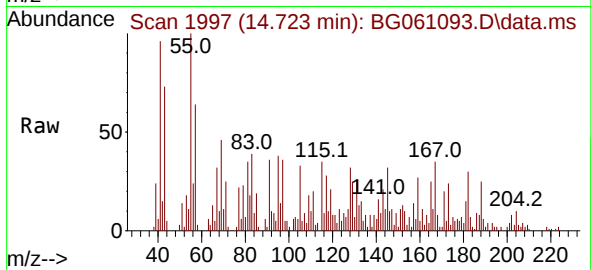




#54
2,4-Dinitrophenol
Concen: 2.295 ng
RT: 14.723 min Scan# 1992
Delta R.T. 0.029 min
Lab File: BG061093.D
Acq: 2 May 2024 14:43

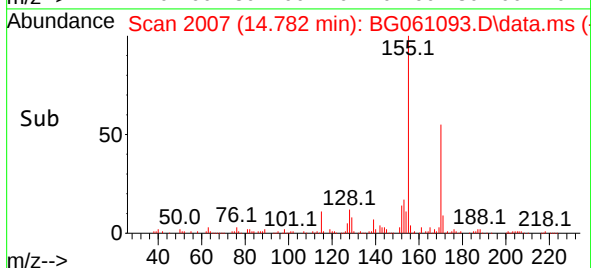
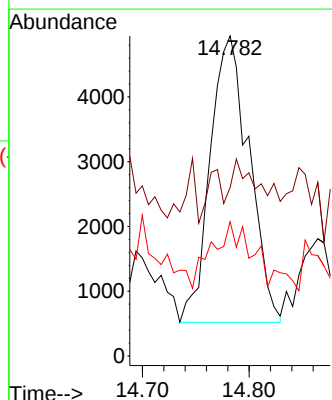
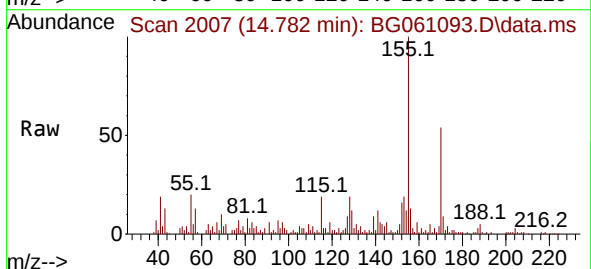
Instrument :
BNA_G
ClientSampleId :

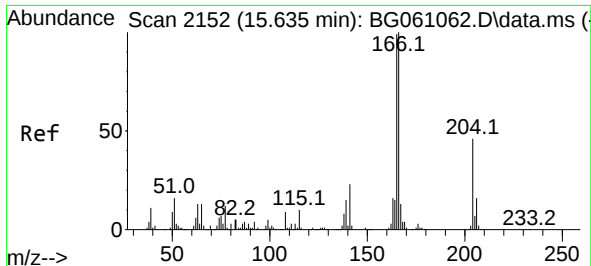
Tgt Ion:184 Resp: 85
Ion Ratio Lower Upper
184 100
63 315.7 62.6 93.8#
154 139.3 61.4 92.0#



#56
4-Nitrophenol
Concen: 11.448 ng
RT: 14.782 min Scan# 2007
Delta R.T. -0.024 min
Lab File: BG061093.D
Acq: 2 May 2024 14:43

Tgt Ion:139 Resp: 11213
Ion Ratio Lower Upper
139 100
109 52.6 97.7 137.7#
65 41.9 110.7 150.7#

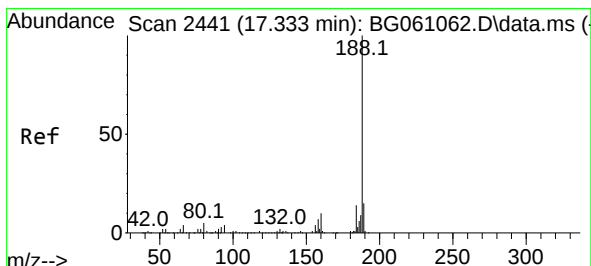
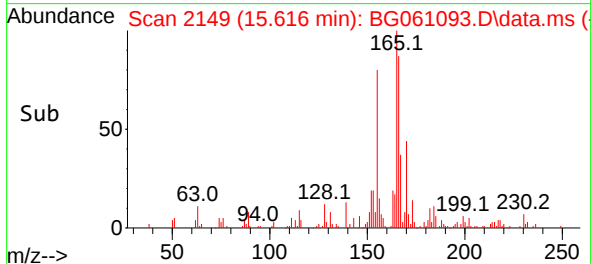
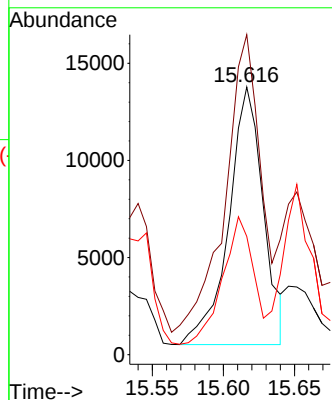
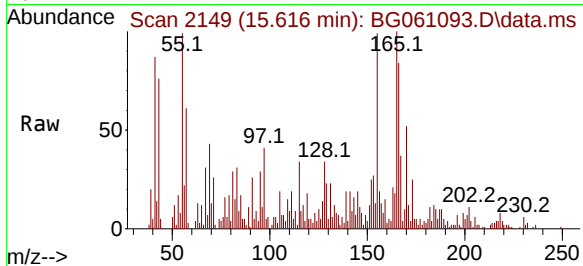




#58
 Fluorene
 Concen: 3.899 ng
 RT: 15.616 min Scan# 2152
 Delta R.T. -0.018 min
 Lab File: BG061093.D
 Acq: 2 May 2024 14:43

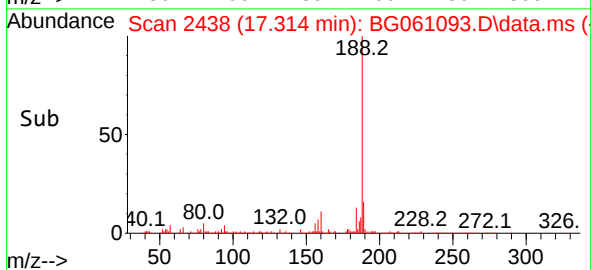
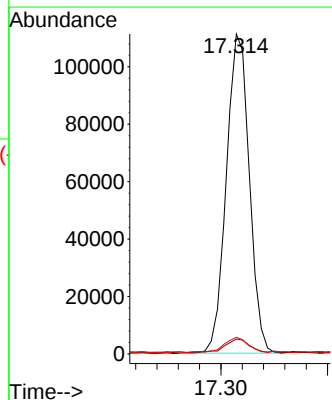
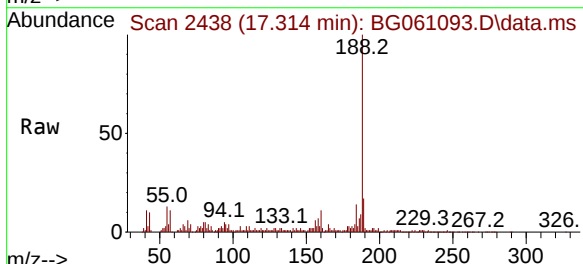
Instrument :
 BNA_G
 ClientSampleId :

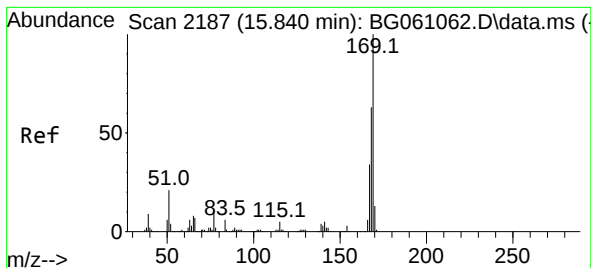
Tgt Ion:166 Resp: 22475
 Ion Ratio Lower Upper
 166 100
 165 119.5 78.9 118.3#
 167 44.1 10.6 15.8#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.314 min Scan# 2438
 Delta R.T. -0.018 min
 Lab File: BG061093.D
 Acq: 2 May 2024 14:43

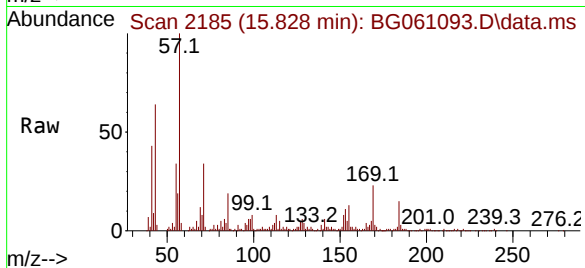
Tgt Ion:188 Resp: 166010
 Ion Ratio Lower Upper
 188 100
 94 4.6 3.6 5.4
 80 5.2 4.2 6.2



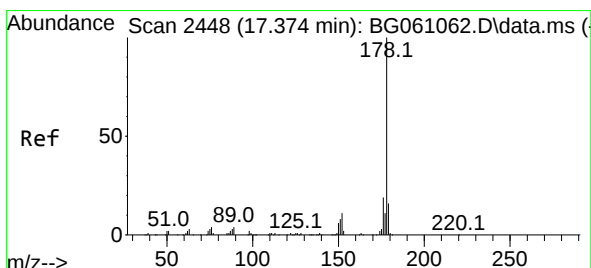
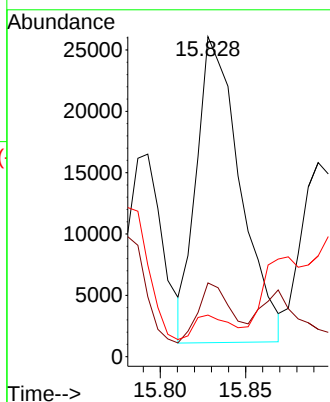
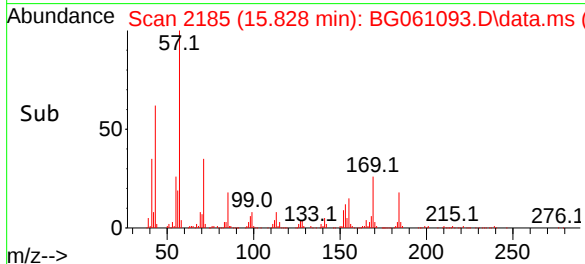


#66
n-Nitrosodiphenylamine
Concen: 10.828 ng
RT: 15.828 min Scan# 2185
Delta R.T. -0.012 min
Lab File: BG061093.D
Acq: 2 May 2024 14:43

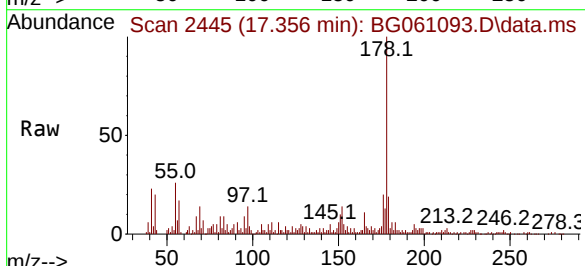
Instrument :
BNA_G
ClientSampleId :



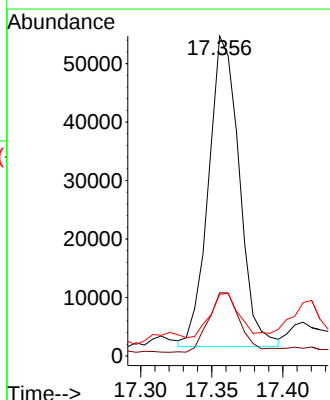
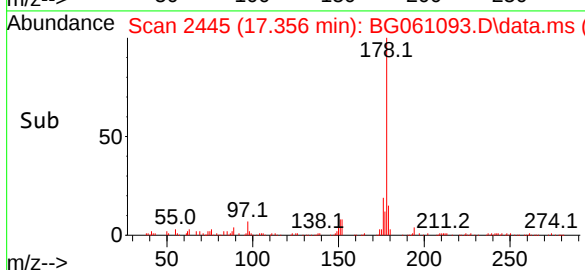
Tgt Ion:169 Resp: 44578
Ion Ratio Lower Upper
169 100
168 23.0 50.6 75.8#
167 13.0 27.4 41.2#

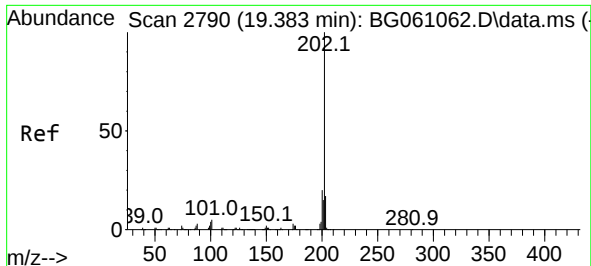


#71
Phenanthrene
Concen: 10.500 ng
RT: 17.356 min Scan# 2445
Delta R.T. -0.018 min
Lab File: BG061093.D
Acq: 2 May 2024 14:43



Tgt Ion:178 Resp: 79701
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 19.2 12.6 19.0#

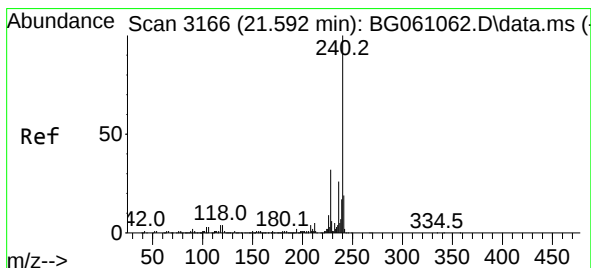
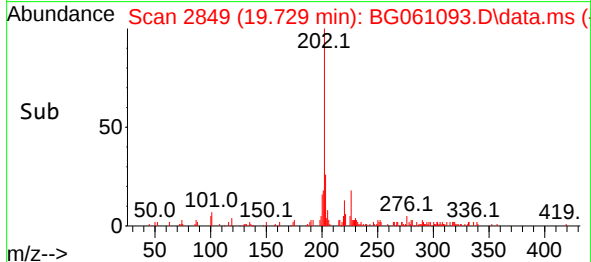
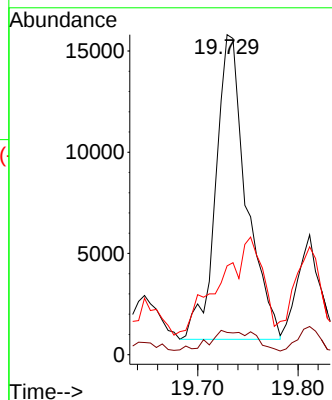
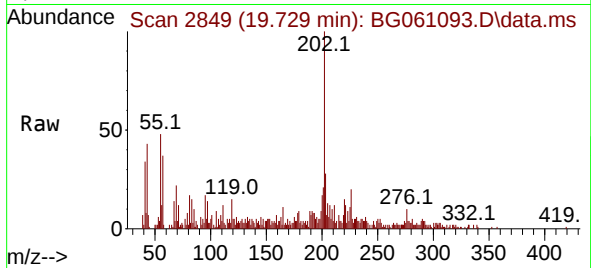




#75
Fluoranthene
Concen: 3.069 ng
RT: 19.729 min Scan# 21
Delta R.T. 0.346 min
Lab File: BG061093.D
Acq: 2 May 2024 14:43

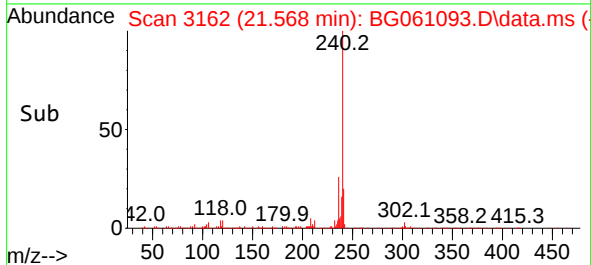
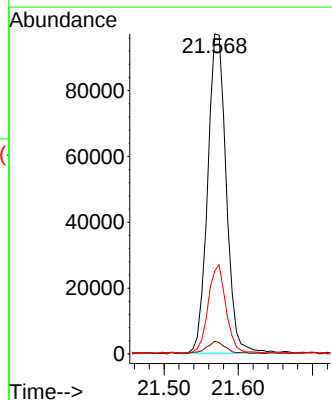
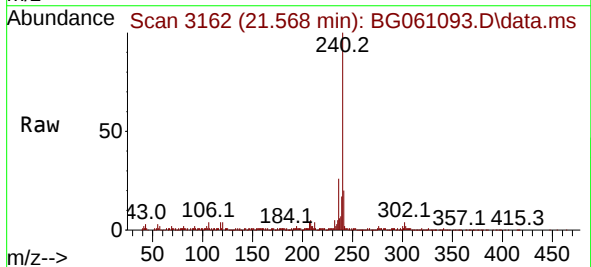
Instrument :
BNA_G
ClientSampleId :

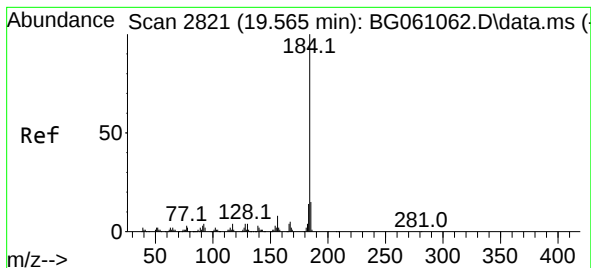
Tgt Ion:202 Resp: 31913
Ion Ratio Lower Upper
202 100
101 7.0 0.0 24.7
203 27.8 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 3162
Delta R.T. -0.024 min
Lab File: BG061093.D
Acq: 2 May 2024 14:43

Tgt Ion:240 Resp: 168753
Ion Ratio Lower Upper
240 100
120 4.0 3.2 4.8
236 25.9 21.0 31.6





#77

Benzidine

Concen: 2.859 ng

RT: 19.535 min Scan# 2816

Delta R.T. -0.030 min

Lab File: BG061093.D

Acq: 2 May 2024 14:43

Instrument :

BNA_G

ClientSampleId :

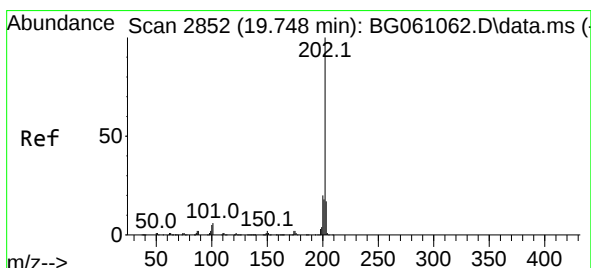
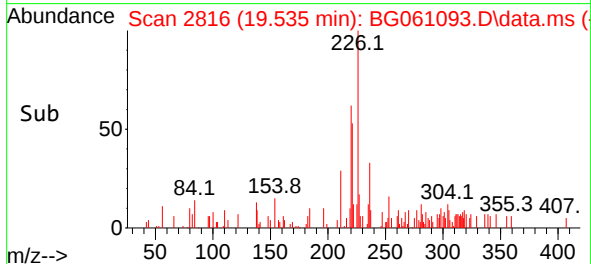
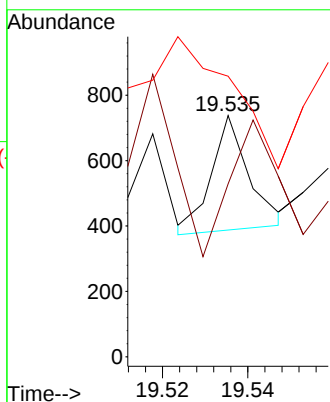
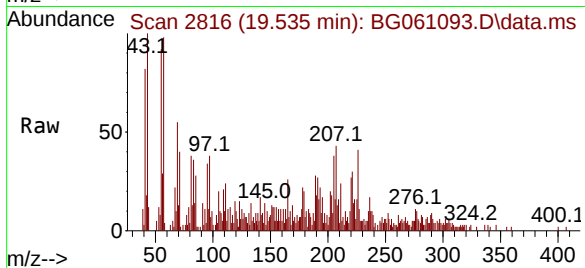
Tgt Ion:184 Resp: 216

Ion Ratio Lower Upper

184 100

185 71.7 12.0 18.0#

183 116.3 10.9 16.3#



#78

Pyrene

Concen: 2.975 ng

RT: 19.729 min Scan# 2849

Delta R.T. -0.018 min

Lab File: BG061093.D

Acq: 2 May 2024 14:43

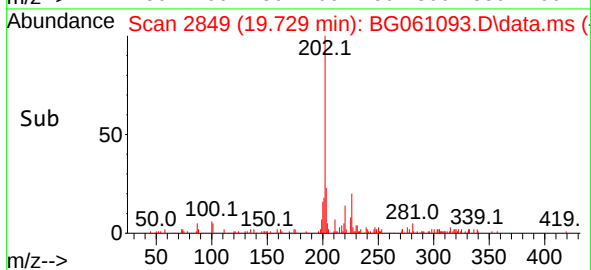
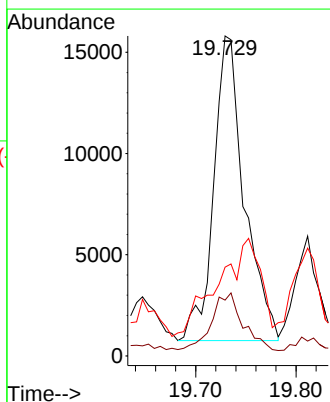
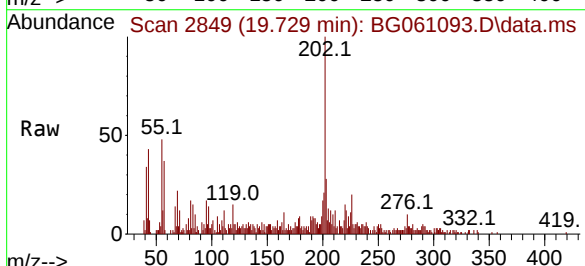
Tgt Ion:202 Resp: 31913

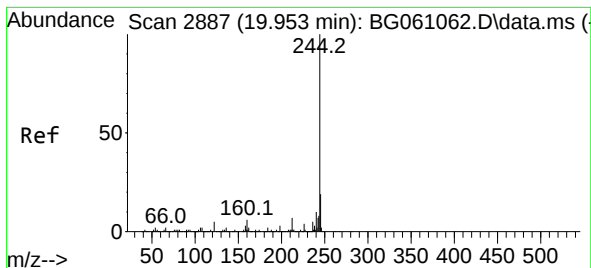
Ion Ratio Lower Upper

202 100

200 17.5 16.2 24.4

203 27.8 13.3 19.9#





#79

Terphenyl-d14

Concen: 1.901 ng

RT: 19.929 min Scan# 21

Delta R.T. -0.024 min

Lab File: BG061093.D

Acq: 2 May 2024 14:43

Instrument :

BNA_G

ClientSampleId :

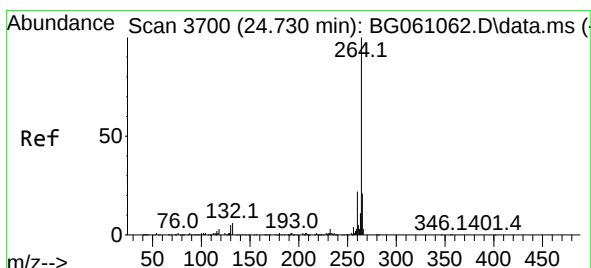
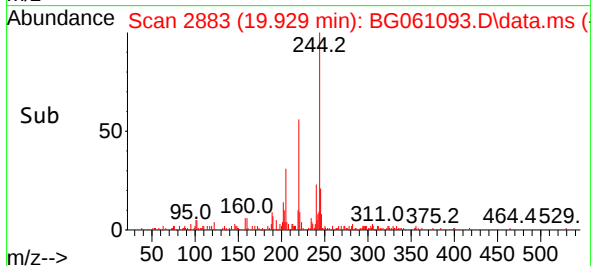
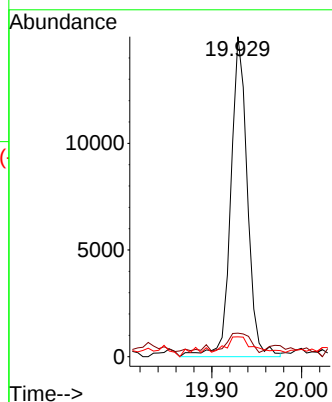
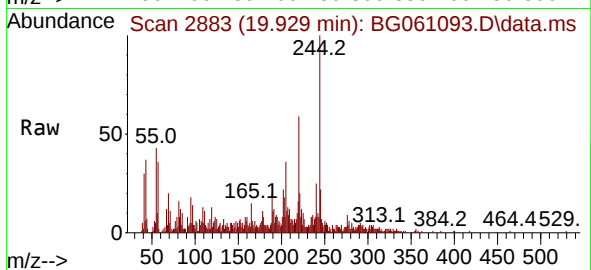
Tgt Ion:244 Resp: 19284

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

122 6.2 4.2 6.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.700 min Scan# 3695

Delta R.T. -0.030 min

Lab File: BG061093.D

Acq: 2 May 2024 14:43

Tgt Ion:264 Resp: 166478

Ion Ratio Lower Upper

264 100

260 26.6 17.7 26.5#

265 21.2 16.4 24.6

