

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
 Data File : BG061191.D
 Acq On : 14 May 2024 15:53
 Operator : MA/JU
 Sample : P2330-22
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 H-3(5.0-6.0)

Quant Time: May 14 16:31:20 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)

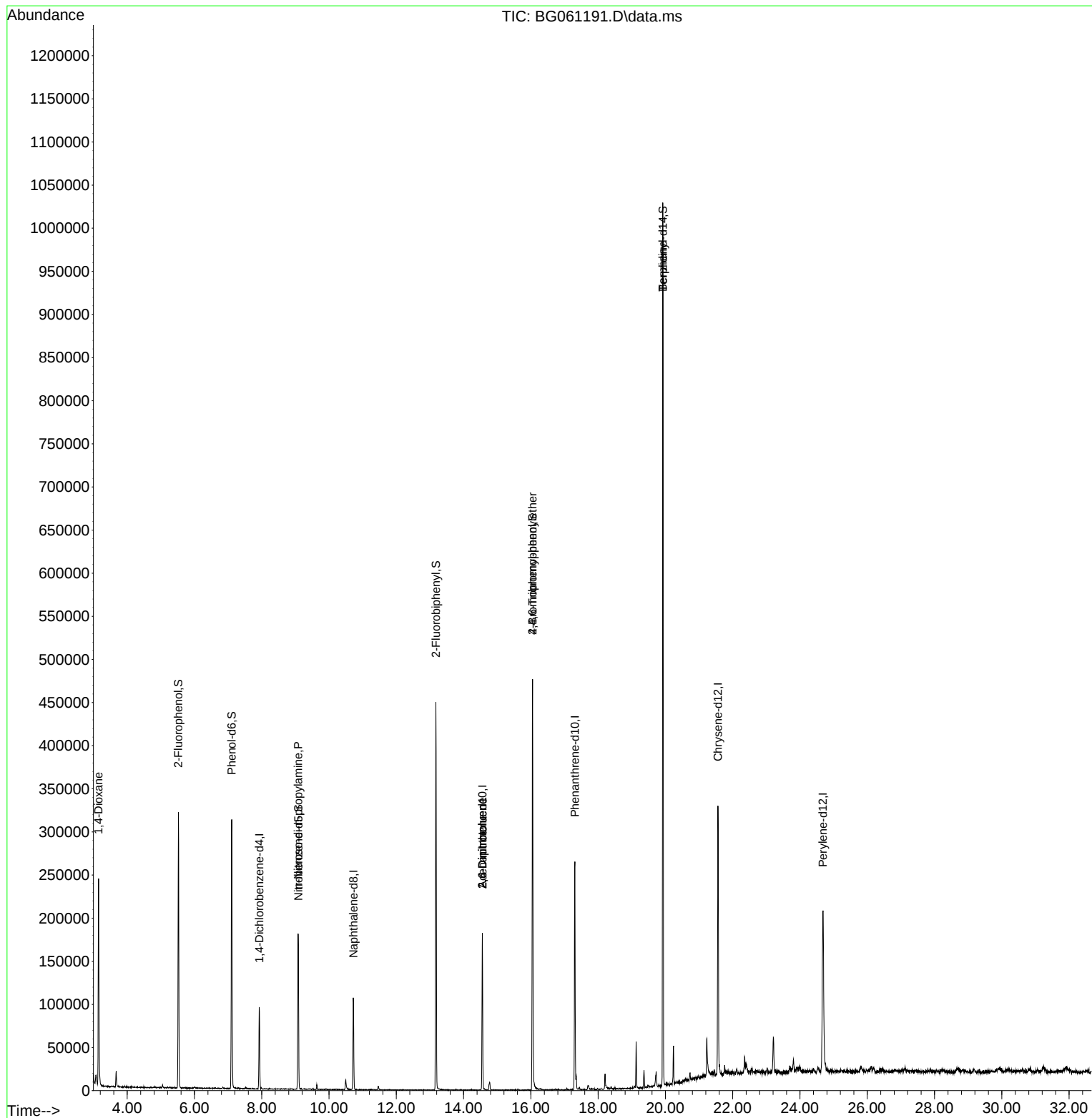
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.924	152	24237	20.000	ng	-0.04
21) Naphthalene-d8	10.726	136	81316	20.000	ng	-0.03
39) Acenaphthene-d10	14.557	164	66517	20.000	ng	-0.03
64) Phenanthrene-d10	17.307	188	181825	20.000	ng	-0.03
76) Chrysene-d12	21.561	240	193927	20.000	ng	-0.03
86) Perylene-d12	24.681	264	230250	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.521	112	106617	89.463	ng	-0.03
7) Phenol-d6	7.107	99	141923	80.502	ng	-0.03
23) Nitrobenzene-d5	9.087	82	94051	57.336	ng	-0.03
42) 2,4,6-Tribromophenol	16.050	330	108229	81.402	ng	-0.03
45) 2-Fluorobiphenyl	13.176	172	229771	51.080	ng	-0.03
79) Terphenyl-d14	19.922	244	531474	45.580	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.147	88	1721	3.572	ng	# 1
9) Benzaldehyde	7.107	77	349	Below Cal		# 3
19) n-Nitroso-di-n-propyla...	9.081	70	14585	11.055	ng	# 64
51) 2,6-Dinitrotoluene	14.557	165	8753	7.965	ng	# 15
57) 2,4-Dinitrotoluene	14.557	165	8753	5.384	ng	# 17
67) 4-Bromophenyl-phenylether	16.050	248	6487	3.029	ng	# 1
77) Benizidine	19.922	184	8310	4.916	ng	# 90

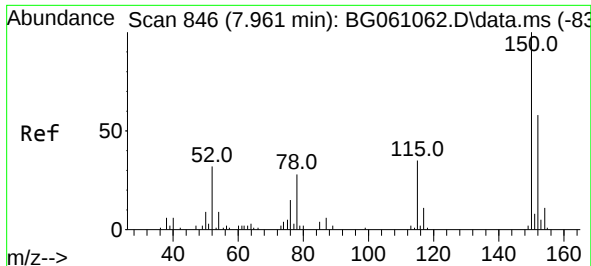
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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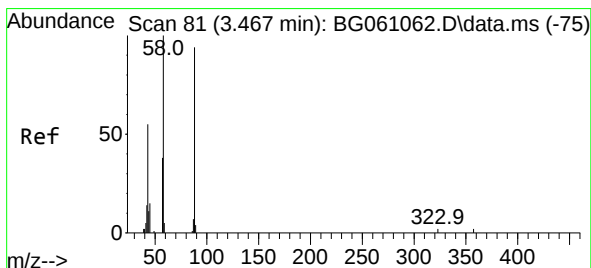
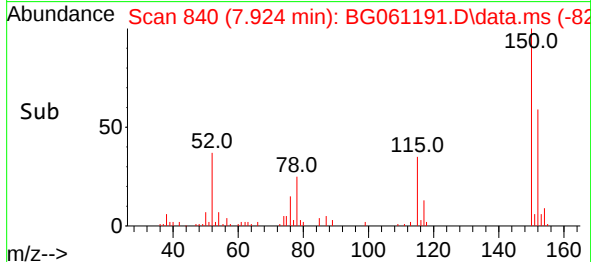
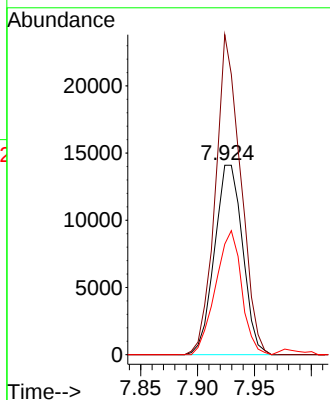
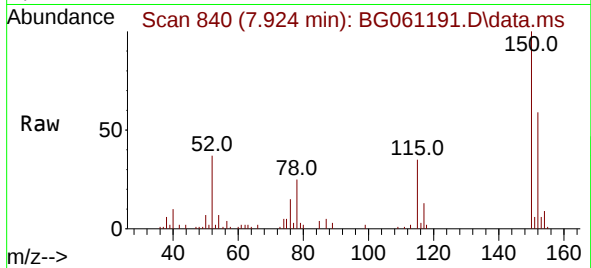




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.924 min Scan# 84
 Delta R.T. -0.037 min
 Lab File: BG061191.D
 Acq: 14 May 2024 15:53

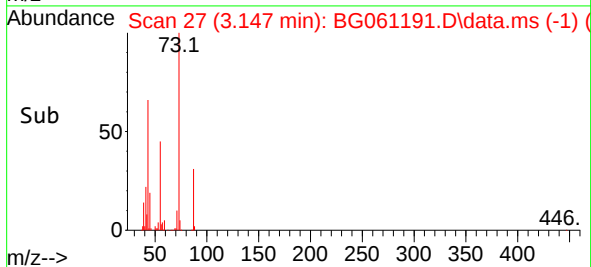
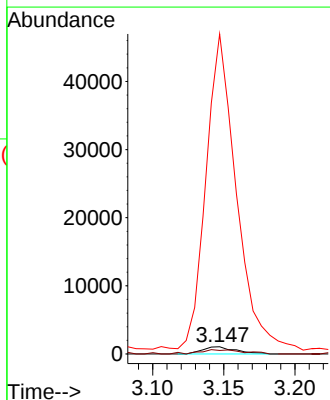
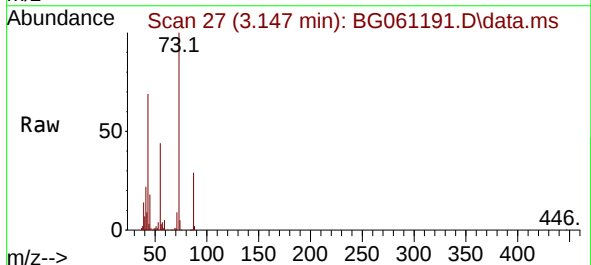
Instrument :
 BNA_G
 ClientSampleId :
 H-3(5.0-6.0)

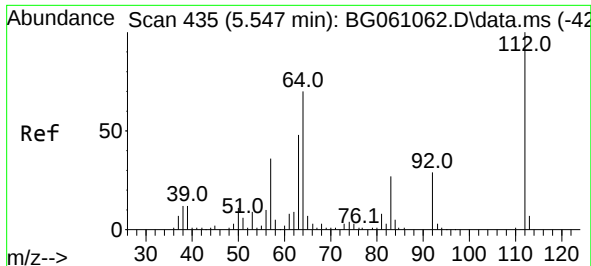
Tgt Ion:152 Resp: 24237
 Ion Ratio Lower Upper
 152 100
 150 168.9 138.3 207.5
 115 58.4 48.0 72.0



#2
 1,4-Dioxane
 Concen: 3.572 ng
 RT: 3.147 min Scan# 27
 Delta R.T. -0.320 min
 Lab File: BG061191.D
 Acq: 14 May 2024 15:53

Tgt Ion: 88 Resp: 1721
 Ion Ratio Lower Upper
 88 100
 58 77.3 81.2 121.8#
 43 3982.2 45.0 67.4#

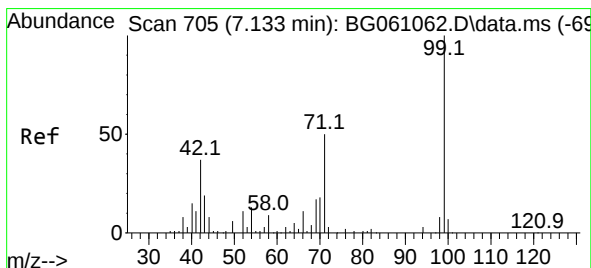
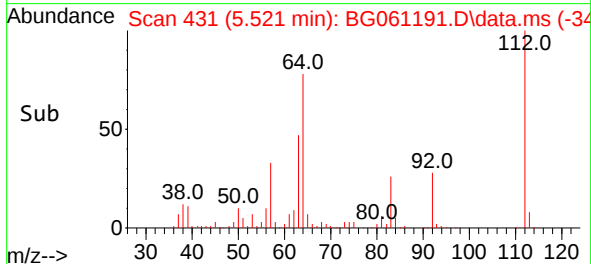
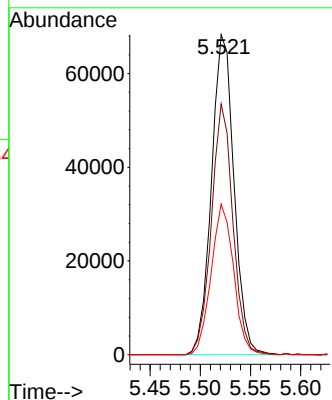
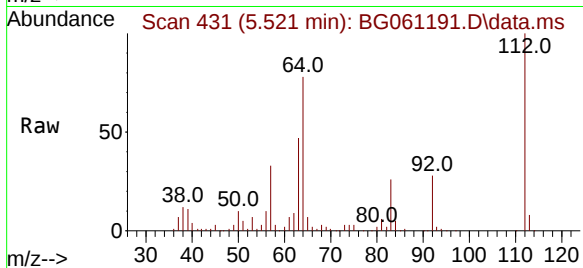




#5
2-Fluorophenol
Concen: 89.463 ng
RT: 5.521 min Scan# 411
Delta R.T. -0.026 min
Lab File: BG061191.D
Acq: 14 May 2024 15:53

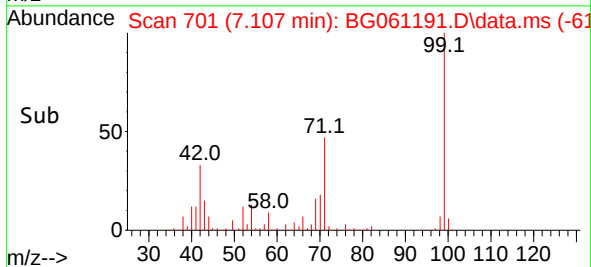
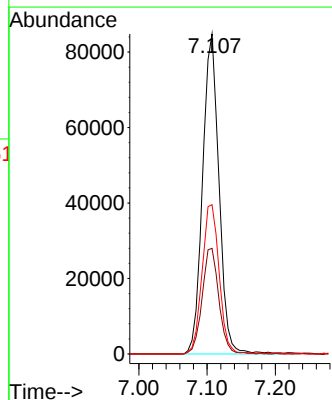
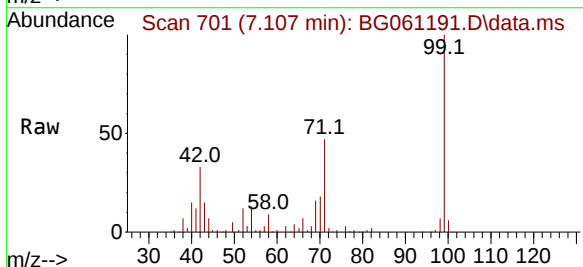
Instrument :
BNA_G
ClientSampleId :
H-3(5.0-6.0)

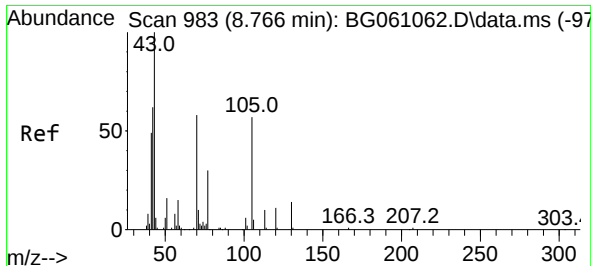
Tgt Ion:112 Resp: 106617
Ion Ratio Lower Upper
112 100
64 78.3 55.7 83.5
63 47.1 38.1 57.1



#7
Phenol-d6
Concen: 80.502 ng
RT: 7.107 min Scan# 701
Delta R.T. -0.026 min
Lab File: BG061191.D
Acq: 14 May 2024 15:53

Tgt Ion: 99 Resp: 141923
Ion Ratio Lower Upper
99 100
42 33.0 29.2 43.8
71 46.7 39.7 59.5

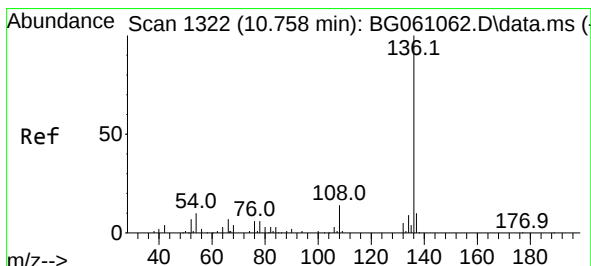
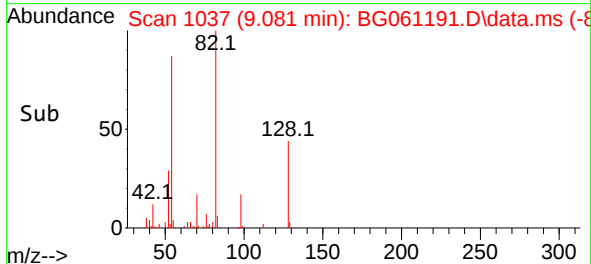
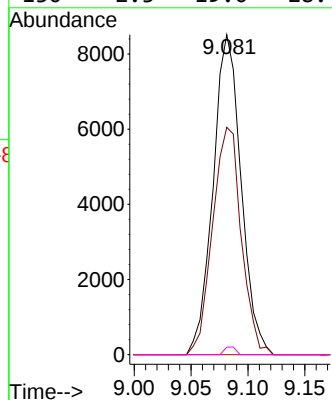
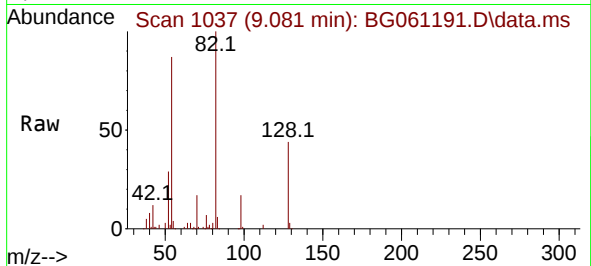




#19
n-Nitroso-di-n-propylamine
Concen: 11.055 ng
RT: 9.081 min Scan# 11
Delta R.T. 0.315 min
Lab File: BG061191.D
Acq: 14 May 2024 15:53

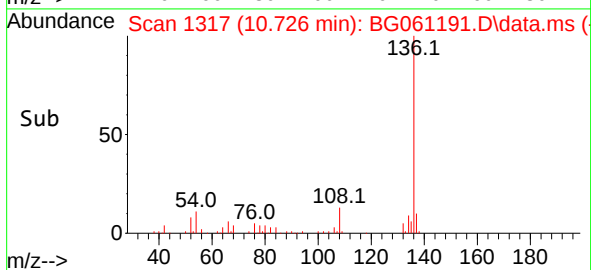
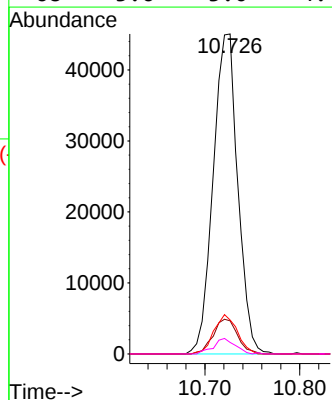
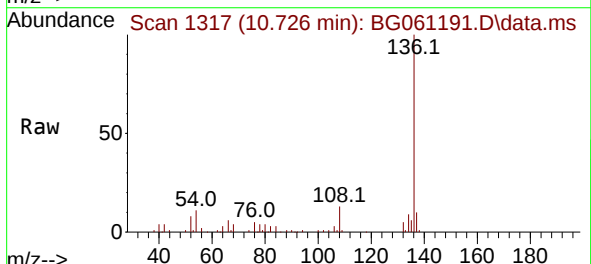
Instrument :
BNA_G
ClientSampleId :
H-3(5.0-6.0)

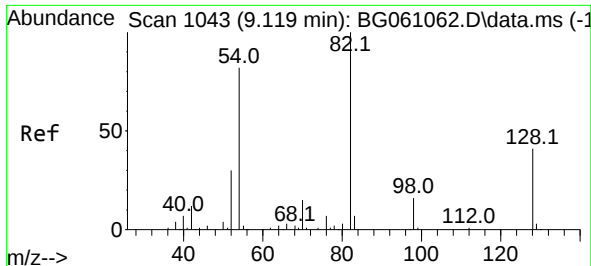
Tgt Ion: 70 Resp: 14585
Ion Ratio Lower Upper
70 100
42 71.0 86.4 129.6#
101 0.0 7.8 11.8#
130 2.3 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1317
Delta R.T. -0.032 min
Lab File: BG061191.D
Acq: 14 May 2024 15:53

Tgt Ion: 136 Resp: 81316
Ion Ratio Lower Upper
136 100
137 10.4 7.8 11.6
54 10.6 8.1 12.1
68 3.6 3.0 4.4





#23

Nitrobenzene-d5

Concen: 57.336 ng

RT: 9.087 min Scan# 1

Delta R.T. -0.032 min

Lab File: BG061191.D

Acq: 14 May 2024 15:53

Instrument :

BNA_G

ClientSampleId :

H-3(5.0-6.0)

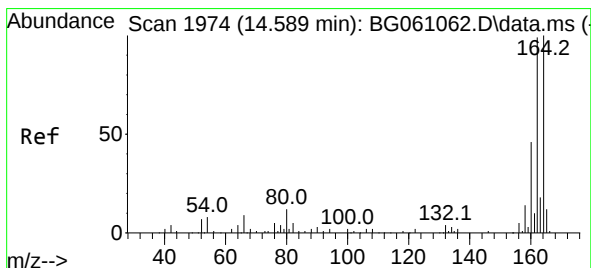
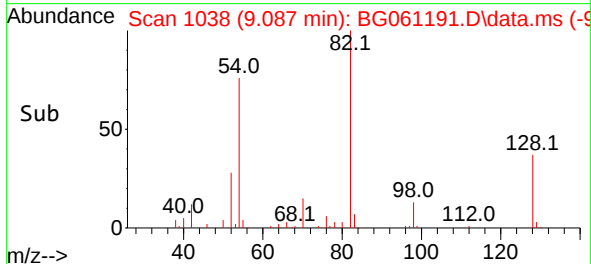
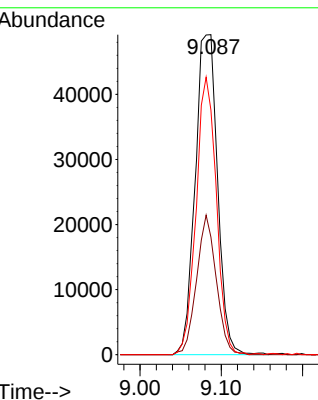
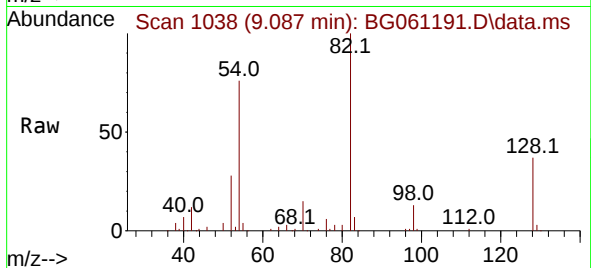
Tgt Ion: 82 Resp: 94051

Ion Ratio Lower Upper

82 100

128 36.7 32.7 49.1

54 76.4 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: BG061191.D

Acq: 14 May 2024 15:53

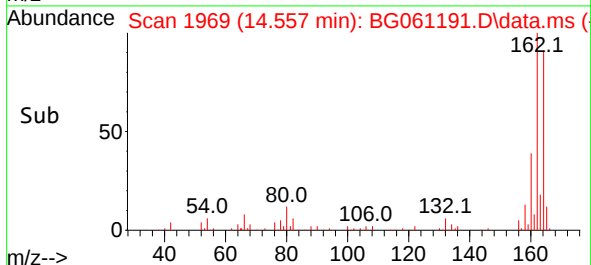
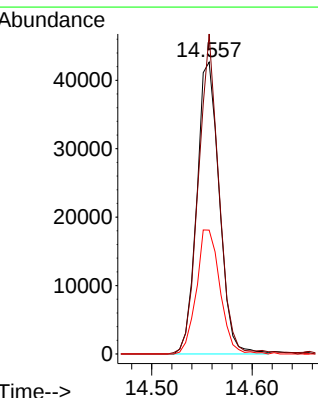
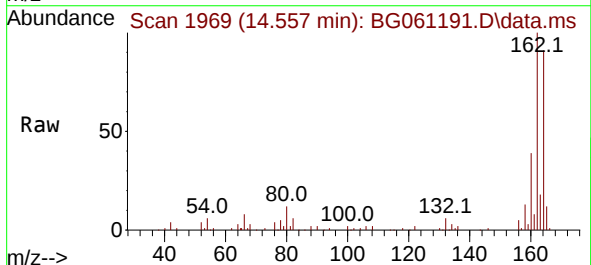
Tgt Ion:164 Resp: 66517

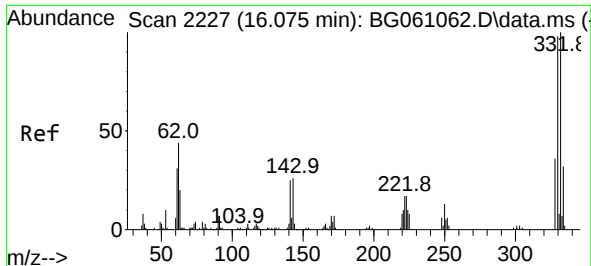
Ion Ratio Lower Upper

164 100

162 109.6 79.4 119.2

160 42.4 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 81.402 ng

RT: 16.050 min Scan# 21

Delta R.T. -0.026 min

Lab File: BG061191.D

Acq: 14 May 2024 15:53

Instrument :

BNA_G

ClientSampleId :

H-3(5.0-6.0)

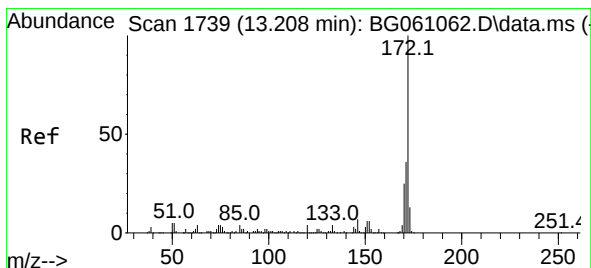
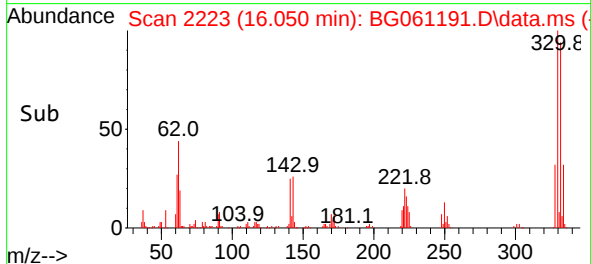
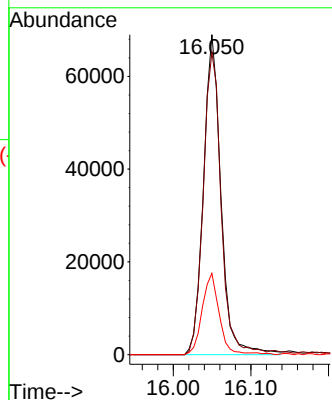
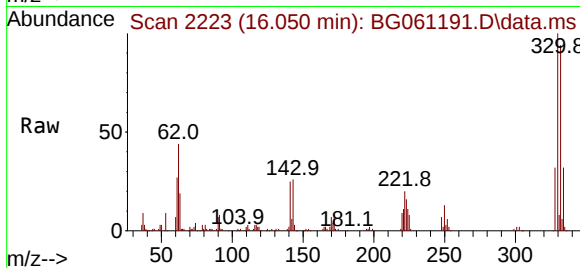
Tgt Ion:330 Resp: 108229

Ion Ratio Lower Upper

330 100

332 96.4 78.6 117.8

141 24.9 20.5 30.7



#45

2-Fluorobiphenyl

Concen: 51.080 ng

RT: 13.176 min Scan# 1734

Delta R.T. -0.032 min

Lab File: BG061191.D

Acq: 14 May 2024 15:53

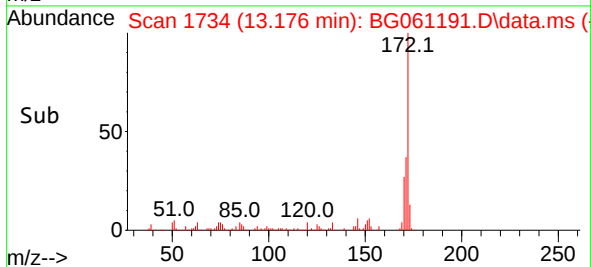
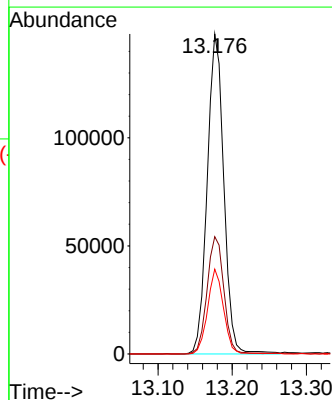
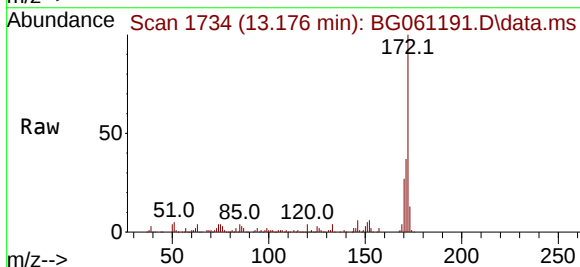
Tgt Ion:172 Resp: 229771

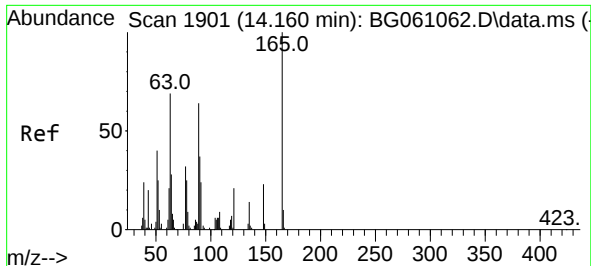
Ion Ratio Lower Upper

172 100

171 36.7 29.0 43.6

170 26.5 20.2 30.4

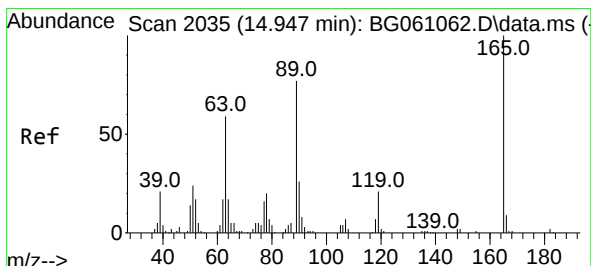
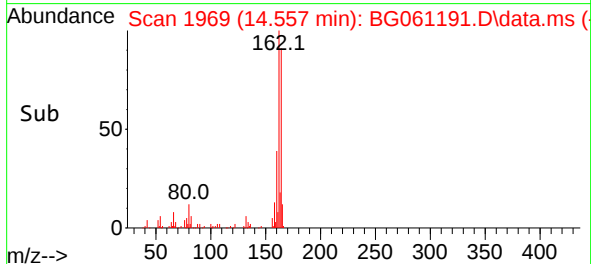
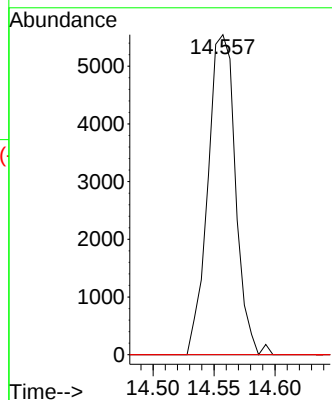
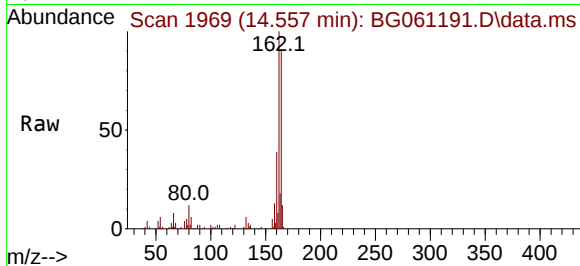




#51
2,6-Dinitrotoluene
Concen: 7.965 ng
RT: 14.557 min Scan# 1901
Delta R.T. 0.397 min
Lab File: BG061191.D
Acq: 14 May 2024 15:53

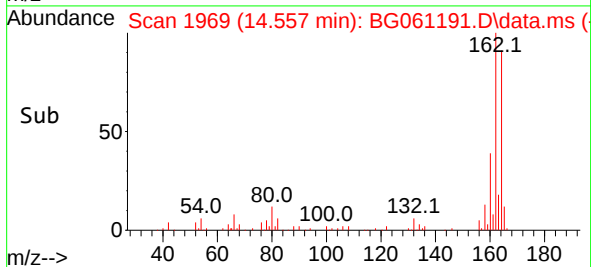
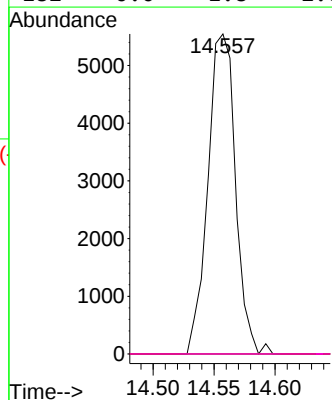
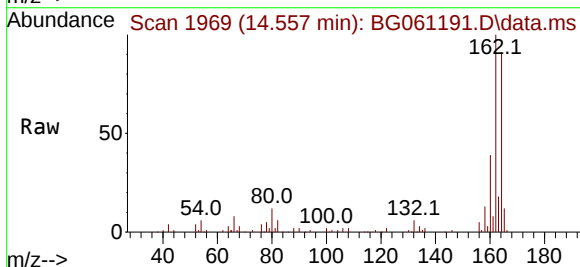
Instrument :
BNA_G
ClientSampleId :
H-3(5.0-6.0)

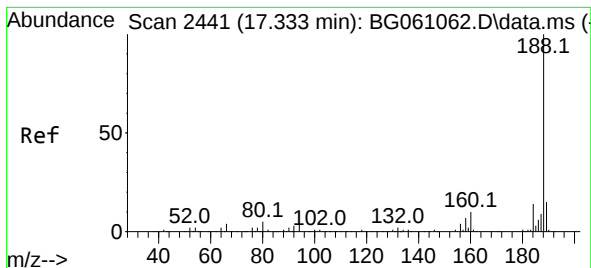
Tgt Ion:165 Resp: 8753
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.384 ng
RT: 14.557 min Scan# 1969
Delta R.T. -0.390 min
Lab File: BG061191.D
Acq: 14 May 2024 15:53

Tgt Ion:165 Resp: 8753
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 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: BG061191.D

Acq: 14 May 2024 15:53

Instrument :

BNA_G

ClientSampleId :

H-3(5.0-6.0)

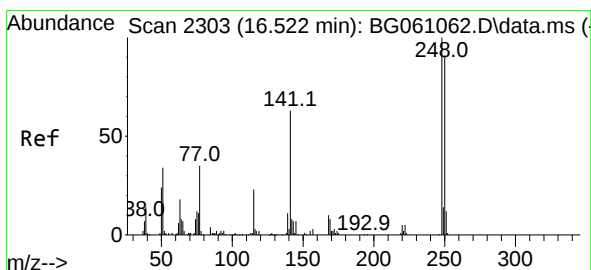
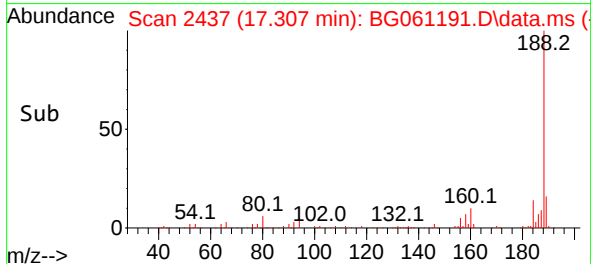
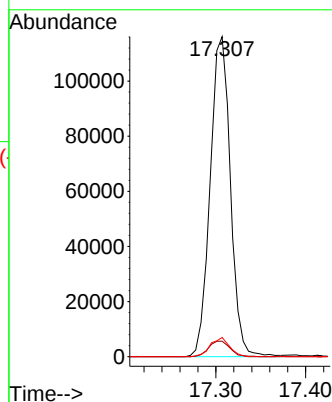
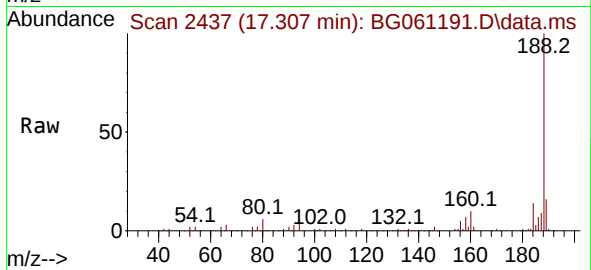
Tgt Ion:188 Resp: 181825

Ion Ratio Lower Upper

188 100

94 4.8 3.6 5.4

80 6.0 4.2 6.2



#67

4-Bromophenyl-phenylether

Concen: 3.029 ng

RT: 16.050 min Scan# 2223

Delta R.T. -0.472 min

Lab File: BG061191.D

Acq: 14 May 2024 15:53

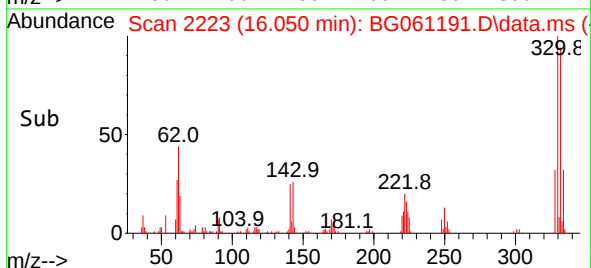
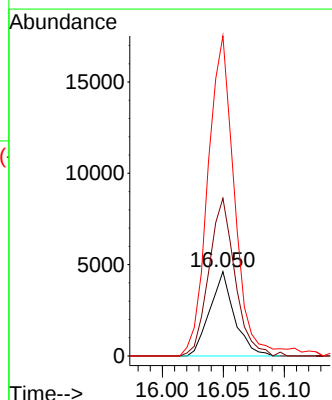
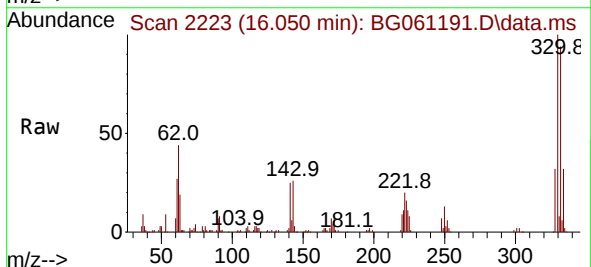
Tgt Ion:248 Resp: 6487

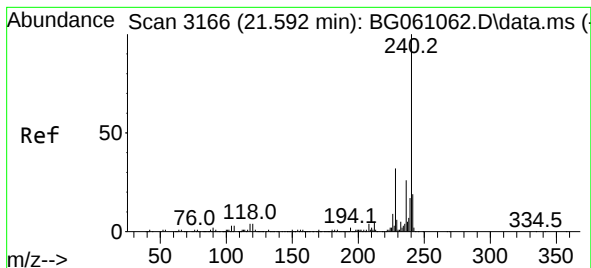
Ion Ratio Lower Upper

248 100

250 186.9 73.0 109.4#

141 379.4 50.8 76.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.561 min Scan# 3166

Delta R.T. -0.032 min

Lab File: BG061191.D

Acq: 14 May 2024 15:53

Instrument :

BNA_G

ClientSampleId :

H-3(5.0-6.0)

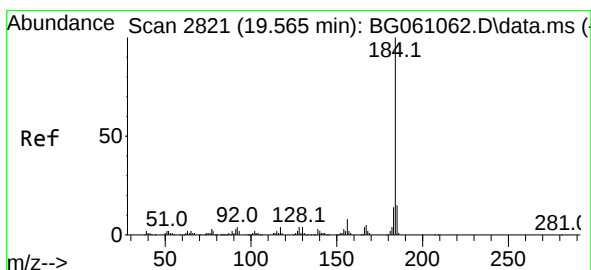
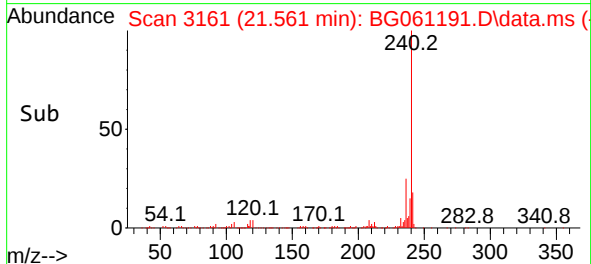
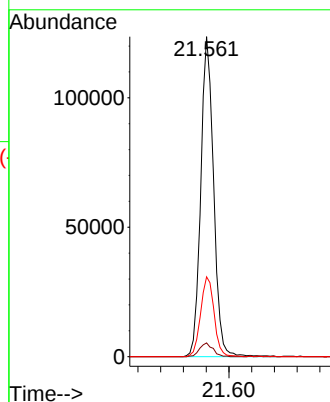
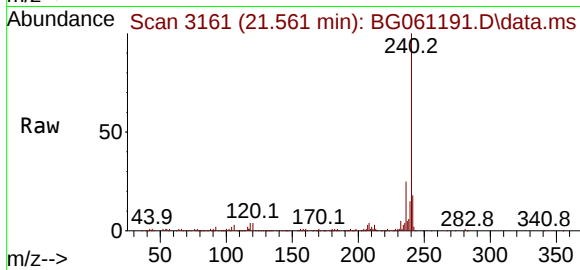
Tgt Ion:240 Resp: 193927

Ion Ratio Lower Upper

240 100

120 4.3 3.2 4.8

236 25.0 21.0 31.6



#77

Benzidine

Concen: 4.916 ng

RT: 19.922 min Scan# 2882

Delta R.T. 0.357 min

Lab File: BG061191.D

Acq: 14 May 2024 15:53

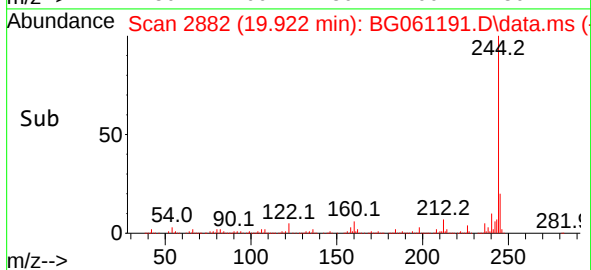
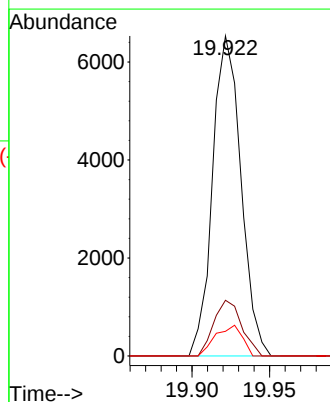
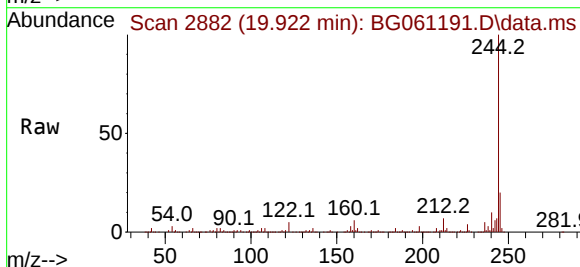
Tgt Ion:184 Resp: 8310

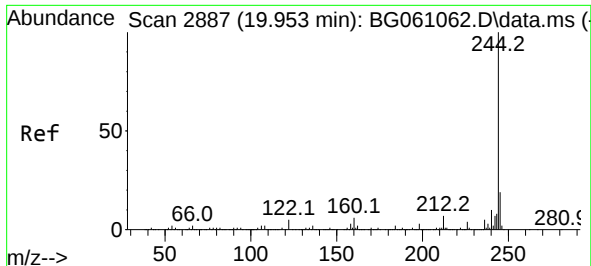
Ion Ratio Lower Upper

184 100

185 17.4 12.0 18.0

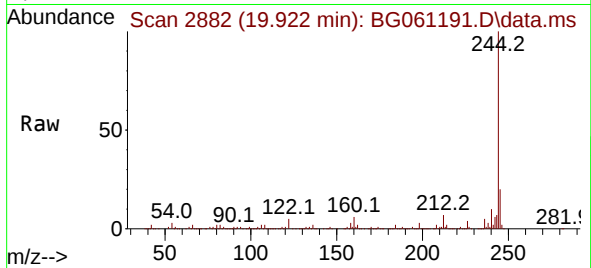
183 7.7 10.9 16.3#



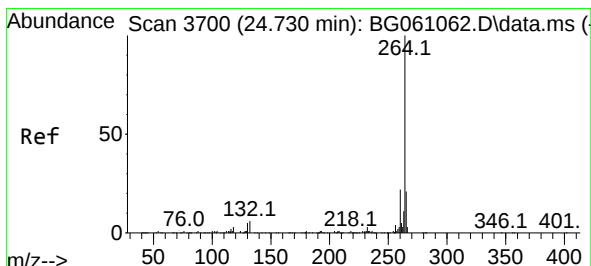
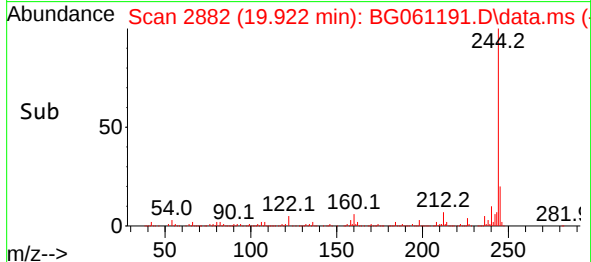
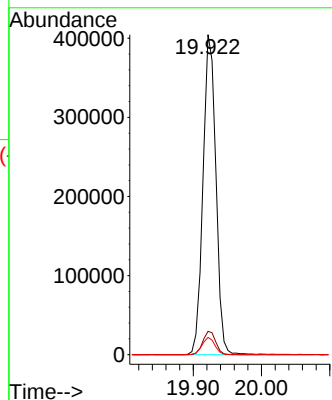


#79
Terphenyl-d14
Concen: 45.580 ng
RT: 19.922 min Scan# 21
Delta R.T. -0.032 min
Lab File: BG061191.D
Acq: 14 May 2024 15:53

Instrument :
BNA_G
ClientSampleId :
H-3(5.0-6.0)



Tgt Ion:244 Resp: 531474
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 5.4 4.2 6.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.681 min Scan# 3692
Delta R.T. -0.049 min
Lab File: BG061191.D
Acq: 14 May 2024 15:53

Tgt Ion:264 Resp: 230250
Ion Ratio Lower Upper
264 100
260 22.5 17.7 26.5
265 22.4 16.4 24.6

