

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050324\
 Data File : BG061108.D
 Acq On : 3 May 2024 16:09
 Operator : MA/JU
 Sample : P2354-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 V359

Quant Time: May 03 17:46:22 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)

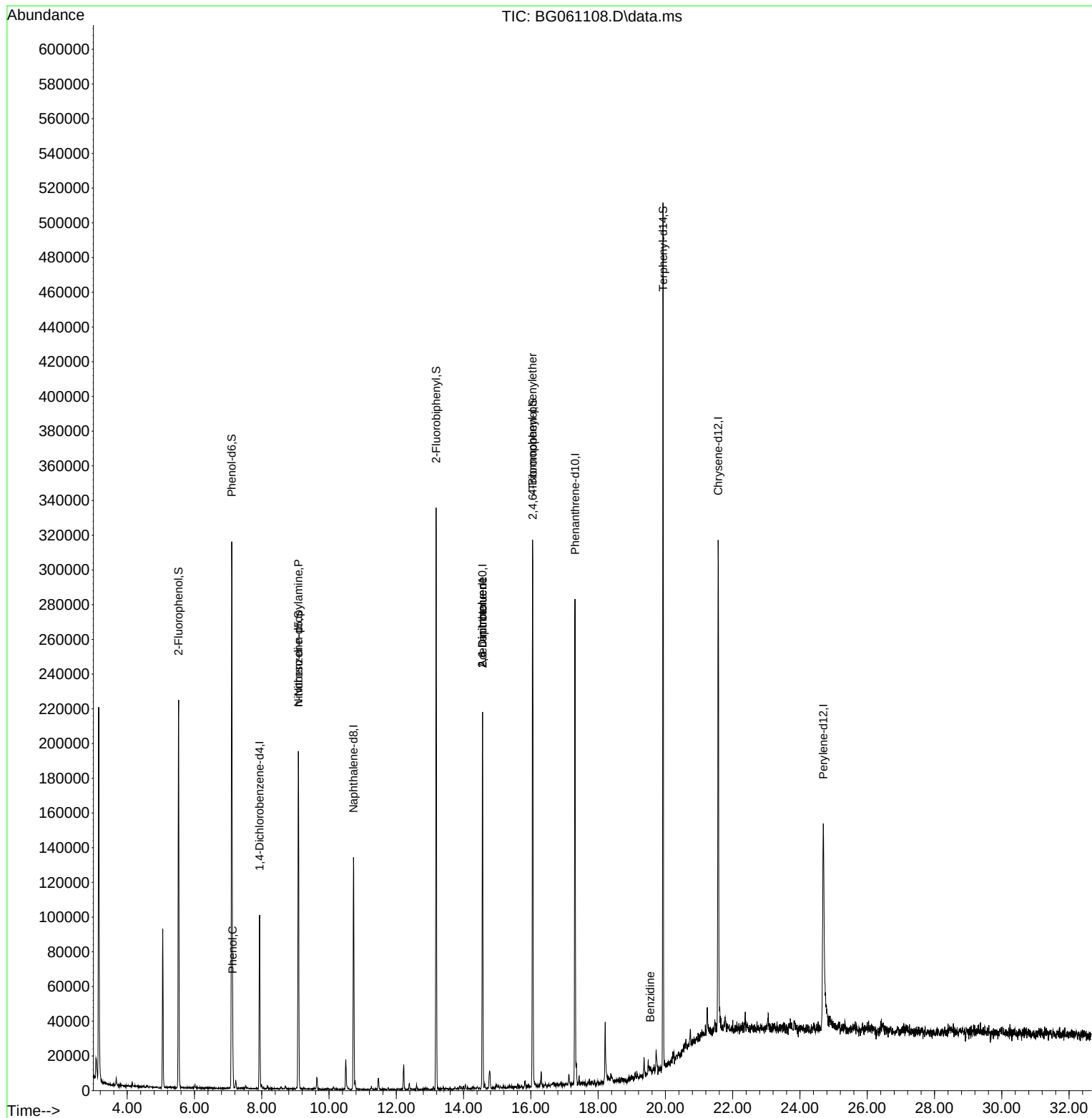
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	25973	20.000	ng	-0.03
21) Naphthalene-d8	10.727	136	104883	20.000	ng	-0.03
39) Acenaphthene-d10	14.563	164	81185	20.000	ng	-0.03
64) Phenanthrene-d10	17.313	188	183391	20.000	ng	-0.02
76) Chrysene-d12	21.567	240	184747	20.000	ng	-0.03
86) Perylene-d12	24.693	264	180902	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	80348	62.914	ng	-0.02
7) Phenol-d6	7.107	99	138449	73.283	ng	-0.03
23) Nitrobenzene-d5	9.087	82	97842	46.244	ng	-0.03
42) 2,4,6-Tribromophenol	16.056	330	72306	44.558	ng	-0.02
45) 2-Fluorobiphenyl	13.183	172	165338	30.115	ng	-0.03
79) Terphenyl-d14	19.928	244	257573	23.187	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.119	77	277	Below Cal	Qvalue	# 3
10) Phenol	7.137	94	12034	6.264	ng	91
19) n-Nitroso-di-n-propyla...	9.087	70	14787	10.459	ng	# 71
51) 2,6-Dinitrotoluene	14.563	165	10554	7.869	ng	# 18
57) 2,4-Dinitrotoluene	14.563	165	10554	5.319	ng	# 20
67) 4-Bromophenyl-phenylether	16.050	248	4543	2.103	ng	# 1
77) Benzidine	19.552	184	1788	3.274	ng	# 65

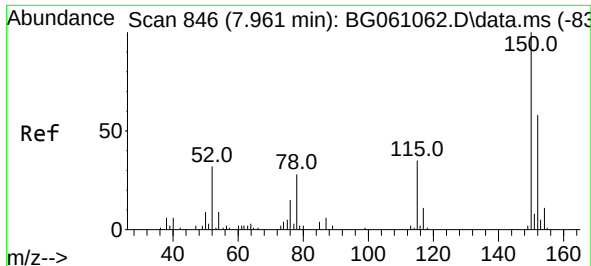
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050324\
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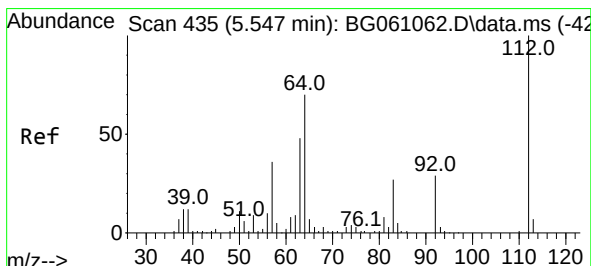
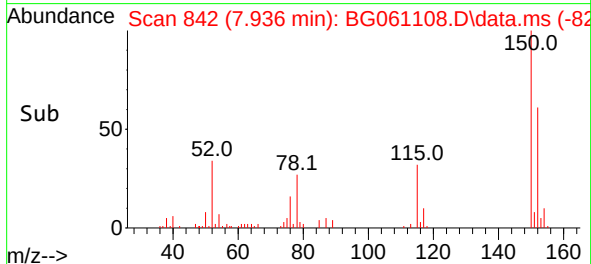
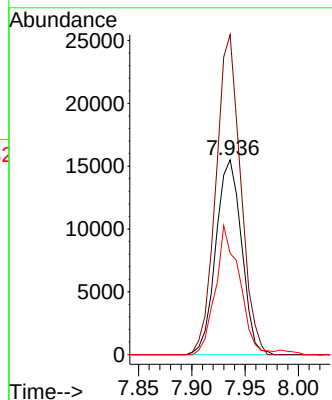
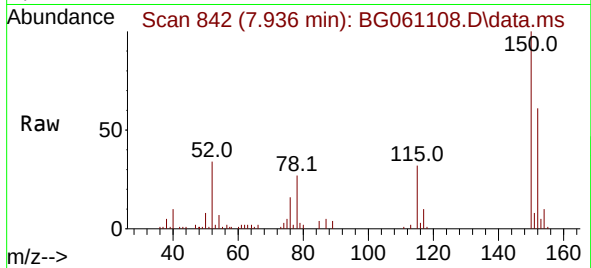




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.936 min Scan# 84
 Delta R.T. -0.025 min
 Lab File: BG061108.D
 Acq: 3 May 2024 16:09

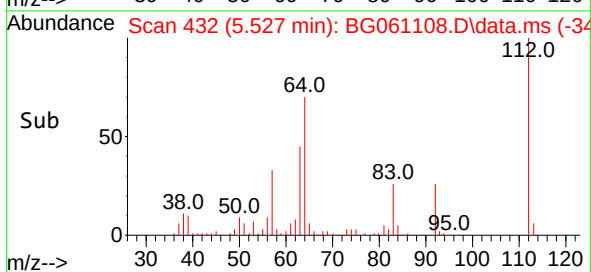
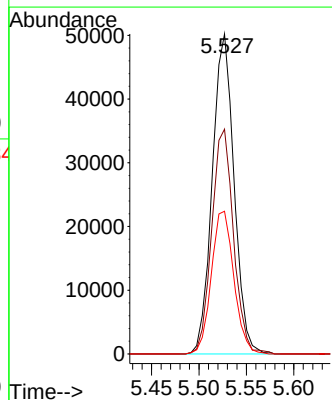
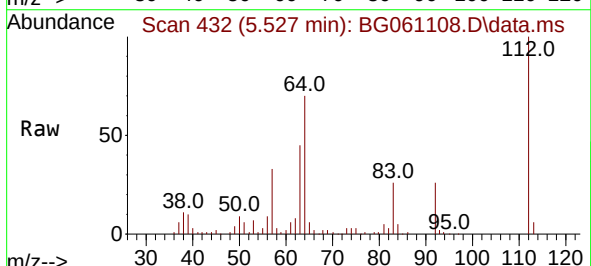
Instrument :
 BNA_G
 ClientSampleId :
 V359

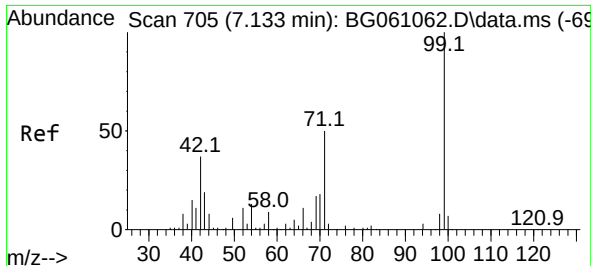
Tgt Ion:152 Resp: 25973
 Ion Ratio Lower Upper
 152 100
 150 164.3 138.3 207.5
 115 52.0 48.0 72.0



#5
 2-Fluorophenol
 Concen: 62.914 ng
 RT: 5.527 min Scan# 432
 Delta R.T. -0.020 min
 Lab File: BG061108.D
 Acq: 3 May 2024 16:09

Tgt Ion:112 Resp: 80348
 Ion Ratio Lower Upper
 112 100
 64 70.3 55.7 83.5
 63 44.6 38.1 57.1





#7

Phenol-d6

Concen: 73.283 ng

RT: 7.107 min Scan# 705

Delta R.T. -0.026 min

Lab File: BG061108.D

Acq: 3 May 2024 16:09

Instrument :

BNA_G

ClientSampleId :

V359

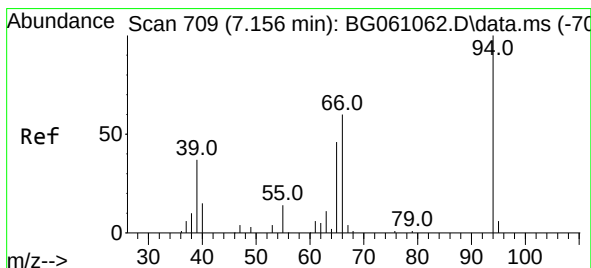
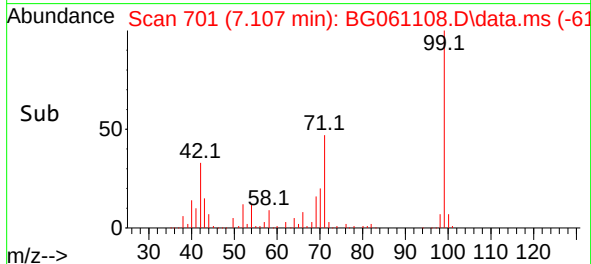
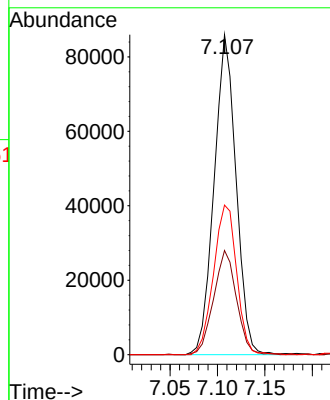
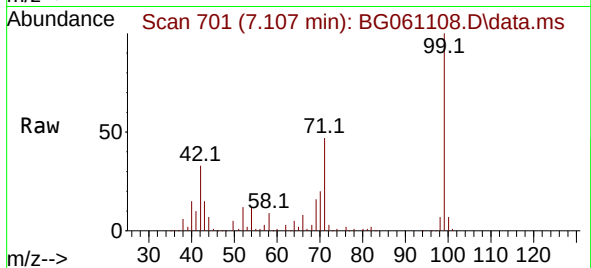
Tgt Ion: 99 Resp: 138449

Ion Ratio Lower Upper

99 100

42 32.6 29.2 43.8

71 46.7 39.7 59.5



#10

Phenol

Concen: 6.264 ng

RT: 7.137 min Scan# 706

Delta R.T. -0.020 min

Lab File: BG061108.D

Acq: 3 May 2024 16:09

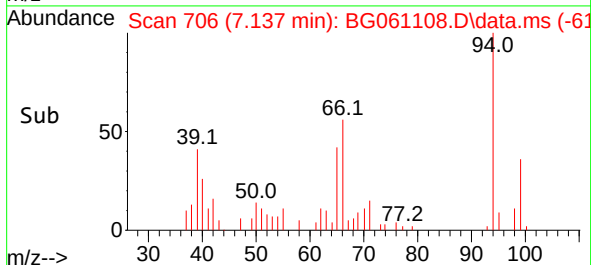
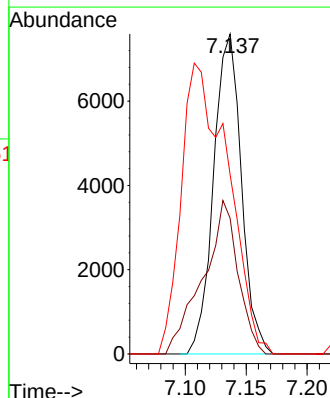
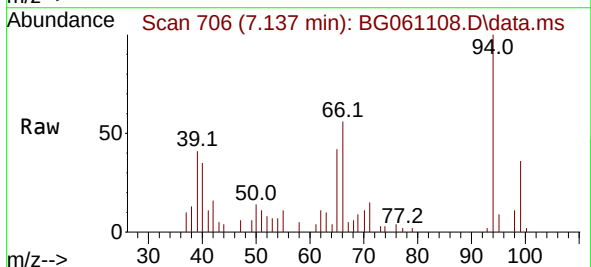
Tgt Ion: 94 Resp: 12034

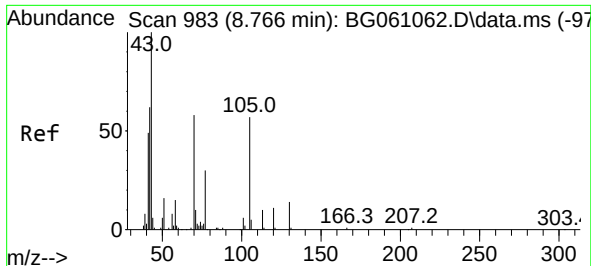
Ion Ratio Lower Upper

94 100

65 42.4 26.8 66.8

66 56.0 44.7 84.7

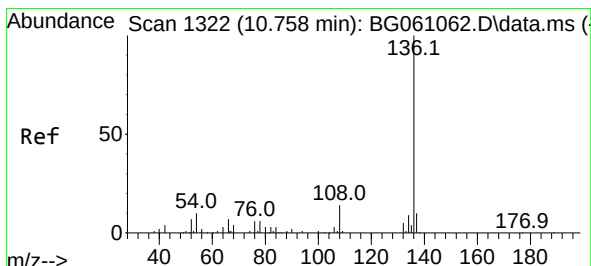
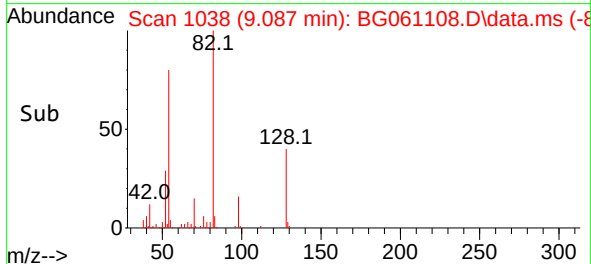
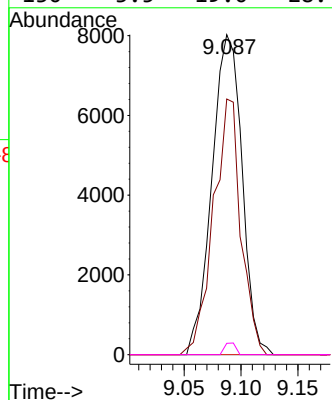
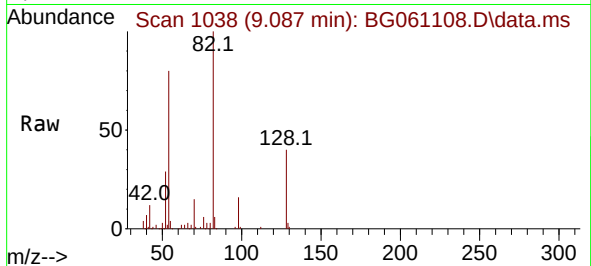




#19
n-Nitroso-di-n-propylamine
Concen: 10.459 ng
RT: 9.087 min Scan# 11
Delta R.T. 0.321 min
Lab File: BG061108.D
Acq: 3 May 2024 16:09

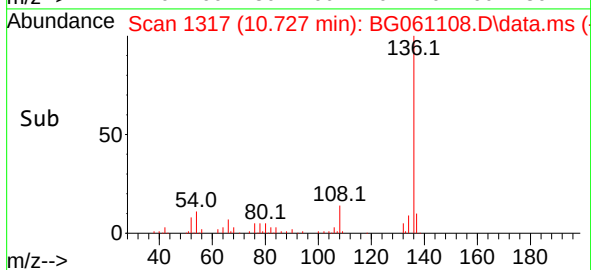
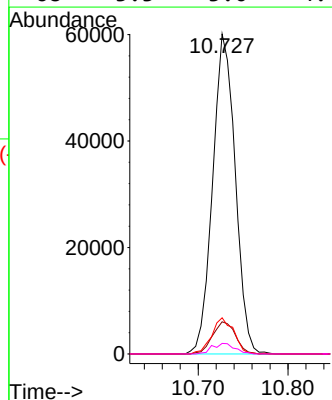
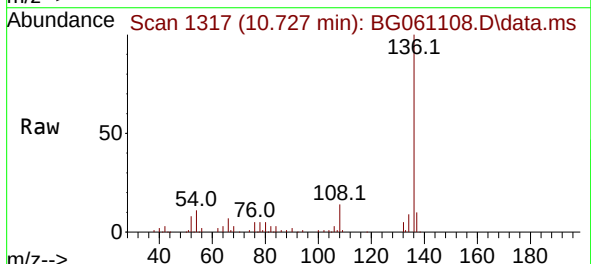
Instrument :
BNA_G
ClientSampleId :
V359

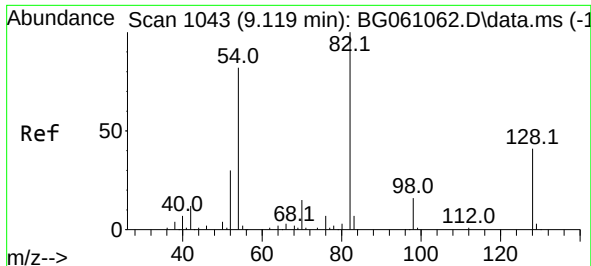
Tgt Ion: 70 Resp: 14787
Ion Ratio Lower Upper
70 100
42 79.9 86.4 129.6#
101 0.0 7.8 11.8#
130 3.5 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 1317
Delta R.T. -0.031 min
Lab File: BG061108.D
Acq: 3 May 2024 16:09

Tgt Ion: 136 Resp: 104883
Ion Ratio Lower Upper
136 100
137 10.0 7.8 11.6
54 11.3 8.1 12.1
68 3.3 3.0 4.4

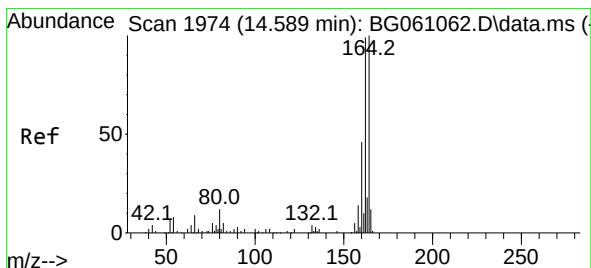
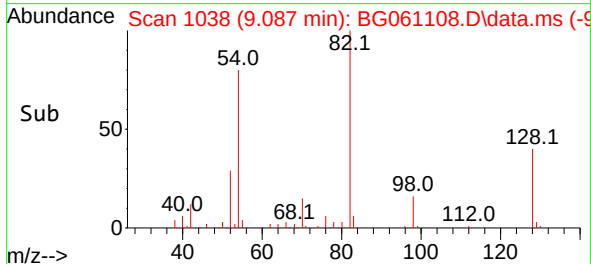
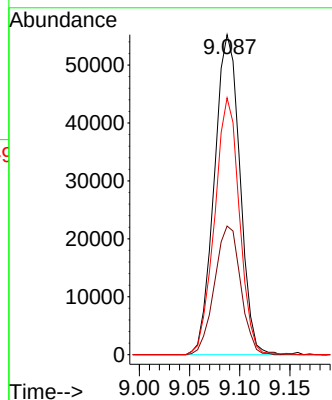
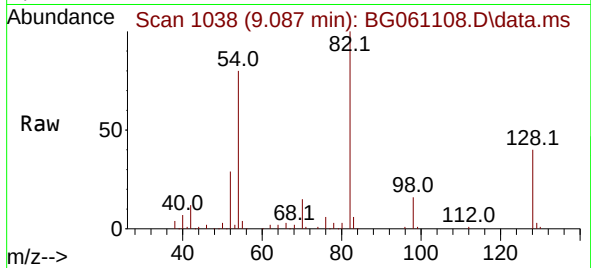




#23
Nitrobenzene-d5
Concen: 46.244 ng
RT: 9.087 min Scan# 1043
Delta R.T. -0.031 min
Lab File: BG061108.D
Acq: 3 May 2024 16:09

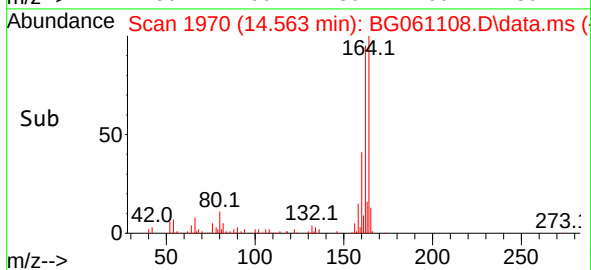
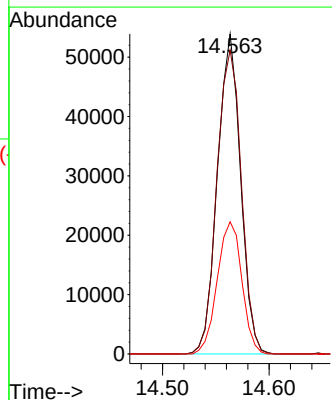
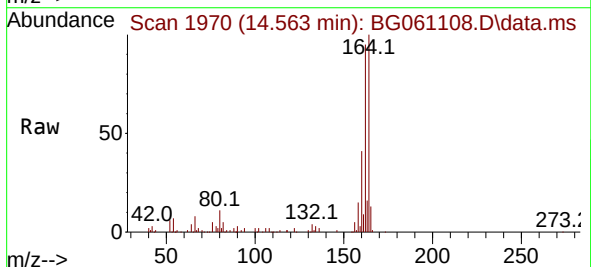
Instrument :
BNA_G
ClientSampleId :
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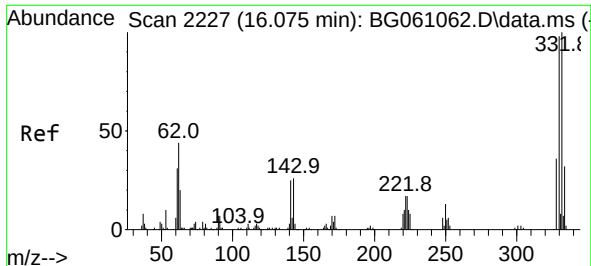
Tgt Ion: 82 Resp: 97842
Ion Ratio Lower Upper
82 100
128 40.2 32.7 49.1
54 80.3 65.6 98.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1970
Delta R.T. -0.026 min
Lab File: BG061108.D
Acq: 3 May 2024 16:09

Tgt Ion:164 Resp: 81185
Ion Ratio Lower Upper
164 100
162 94.9 79.4 119.2
160 41.3 37.0 55.6

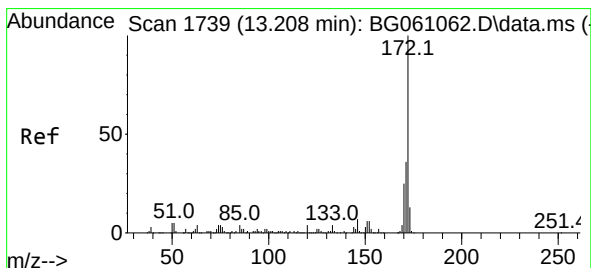
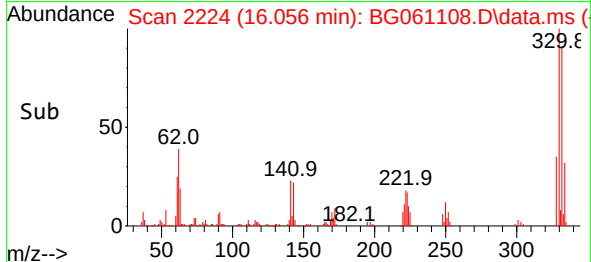
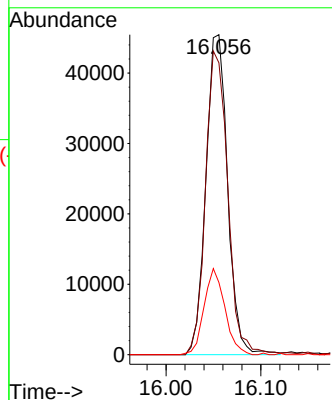
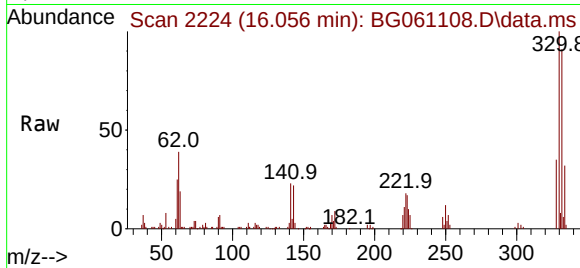




#42
2,4,6-Tribromophenol
Concen: 44.558 ng
RT: 16.056 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061108.D
Acq: 3 May 2024 16:09

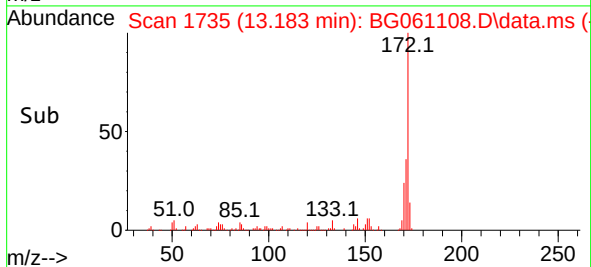
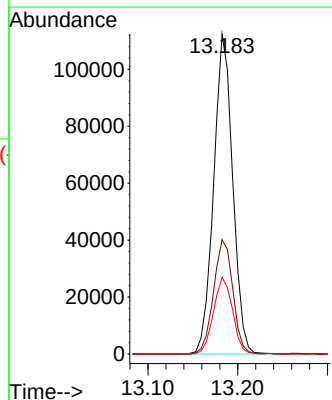
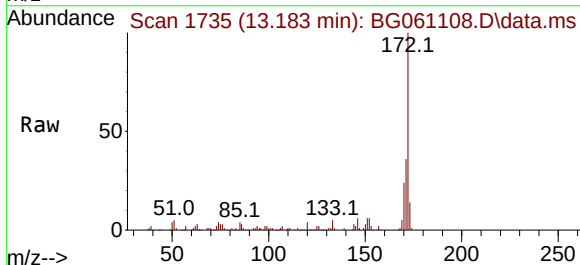
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ClientSampleId :
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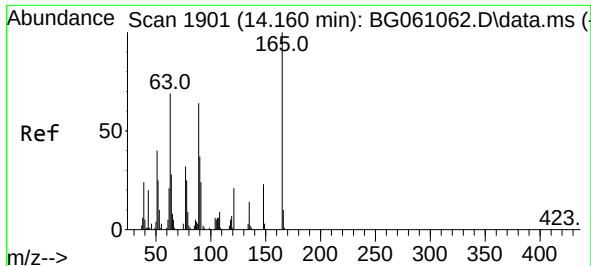
Tgt Ion:330 Resp: 72306
Ion Ratio Lower Upper
330 100
332 97.5 78.6 117.8
141 25.7 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 30.115 ng
RT: 13.183 min Scan# 1735
Delta R.T. -0.026 min
Lab File: BG061108.D
Acq: 3 May 2024 16:09

Tgt Ion:172 Resp: 165338
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.6
170 23.9 20.2 30.4

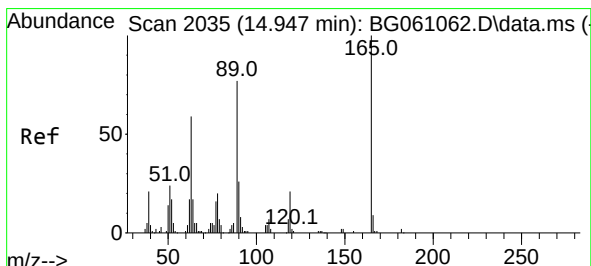
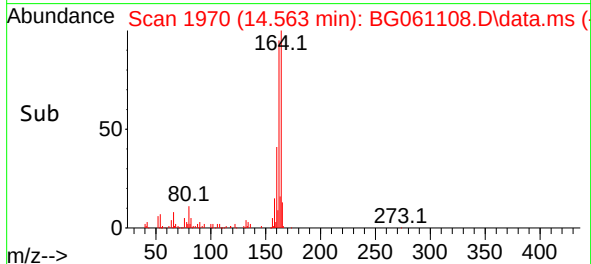
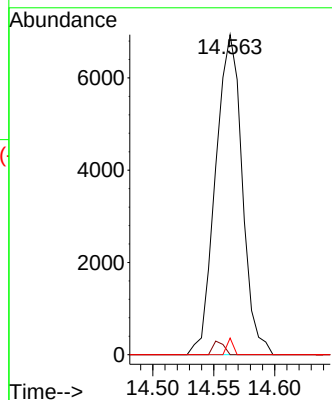
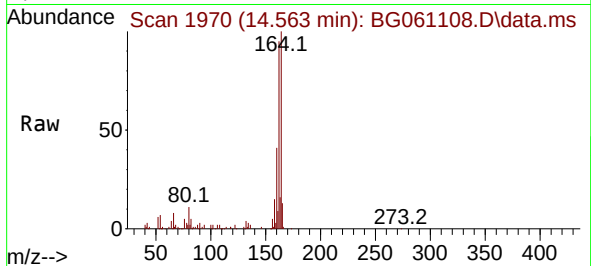




#51
2,6-Dinitrotoluene
Concen: 7.869 ng
RT: 14.563 min Scan# 1901
Delta R.T. 0.403 min
Lab File: BG061108.D
Acq: 3 May 2024 16:09

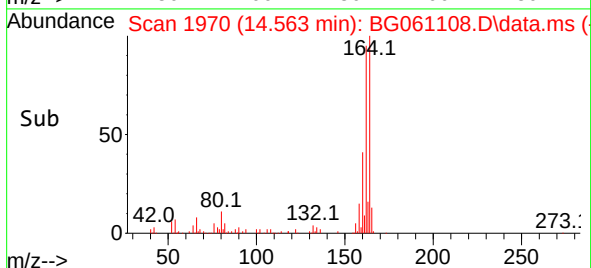
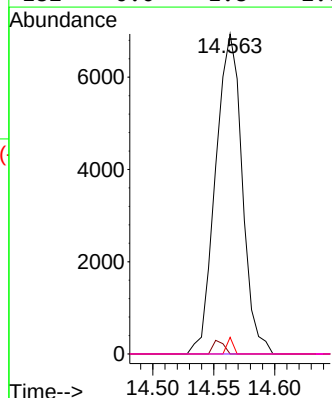
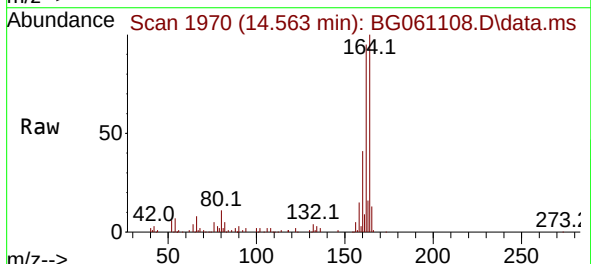
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ClientSampleId :
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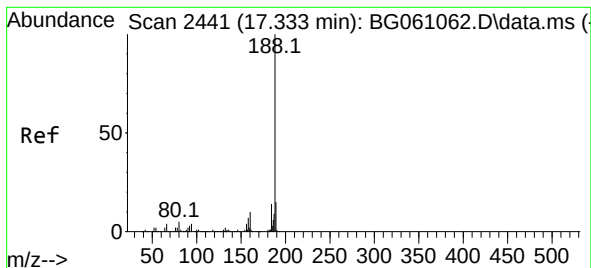
Tgt Ion:165 Resp: 10554
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 5.2 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.319 ng
RT: 14.563 min Scan# 1970
Delta R.T. -0.384 min
Lab File: BG061108.D
Acq: 3 May 2024 16:09

Tgt Ion:165 Resp: 10554
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 5.2 61.8 92.8#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.313 min Scan# 24

Delta R.T. -0.020 min

Lab File: BG061108.D

Acq: 3 May 2024 16:09

Instrument :

BNA_G

ClientSampleId :

V359

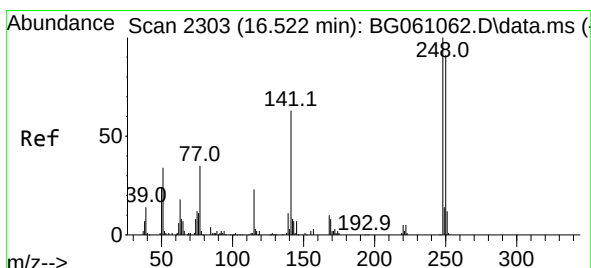
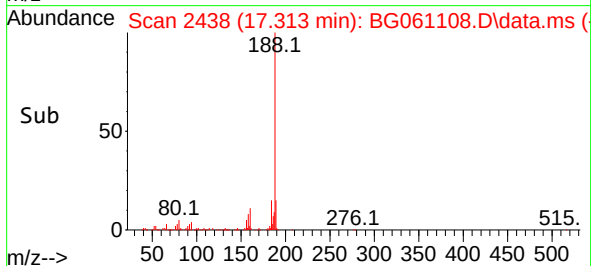
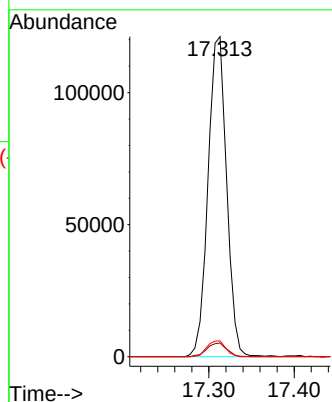
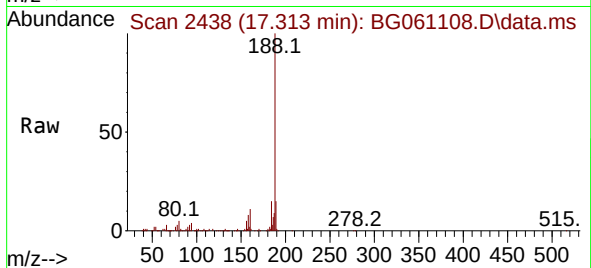
Tgt Ion:188 Resp: 183391

Ion Ratio Lower Upper

188 100

94 4.3 3.6 5.4

80 5.0 4.2 6.2



#67

4-Bromophenyl-phenylether

Concen: 2.103 ng

RT: 16.050 min Scan# 2223

Delta R.T. -0.472 min

Lab File: BG061108.D

Acq: 3 May 2024 16:09

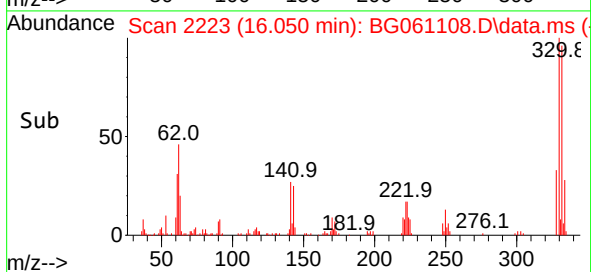
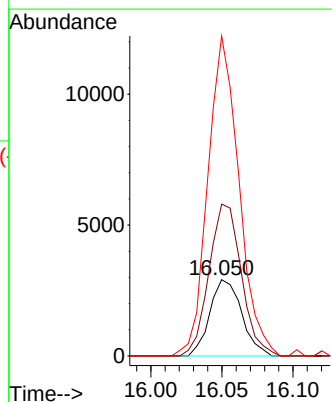
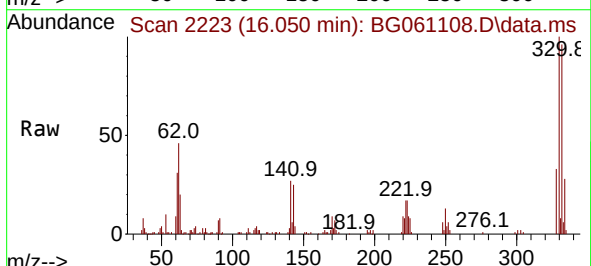
Tgt Ion:248 Resp: 4543

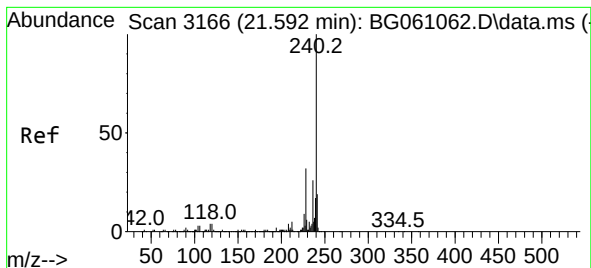
Ion Ratio Lower Upper

248 100

250 199.1 73.0 109.4#

141 419.5 50.8 76.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.567 min Scan# 31

Delta R.T. -0.026 min

Lab File: BG061108.D

Acq: 3 May 2024 16:09

Instrument :

BNA_G

ClientSampleId :

V359

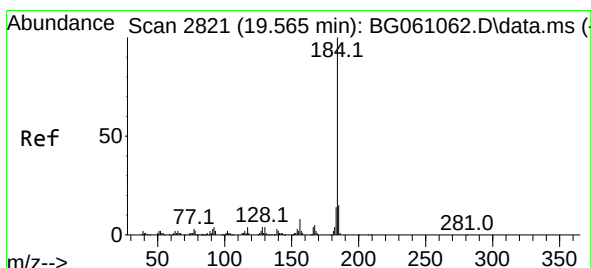
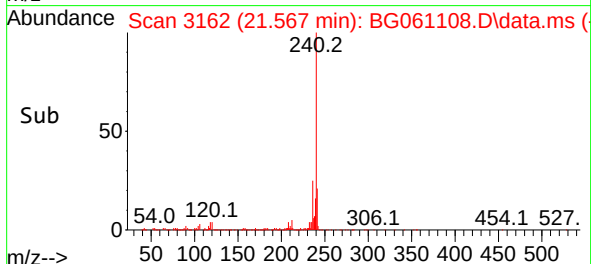
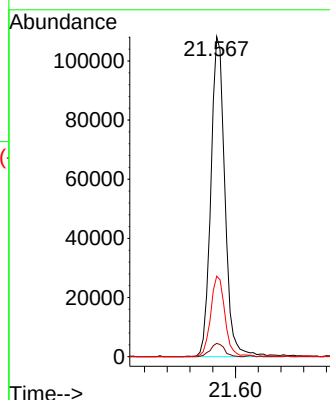
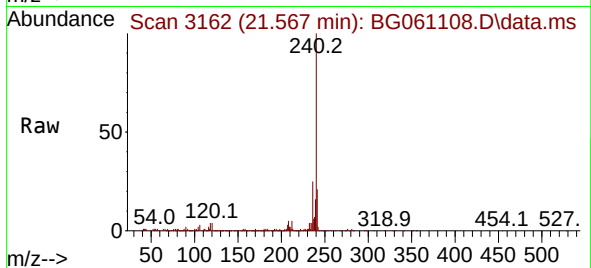
Tgt Ion:240 Resp: 184747

Ion Ratio Lower Upper

240 100

120 4.2 3.2 4.8

236 25.2 21.0 31.6



#77

Benzidine

Concen: 3.274 ng

RT: 19.552 min Scan# 2819

Delta R.T. -0.013 min

Lab File: BG061108.D

Acq: 3 May 2024 16:09

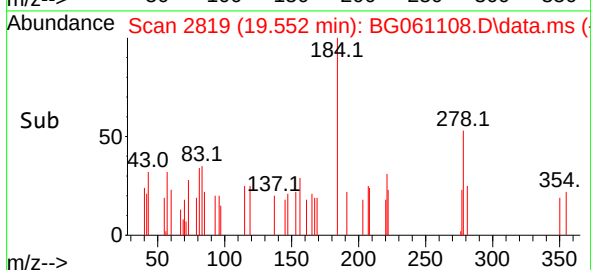
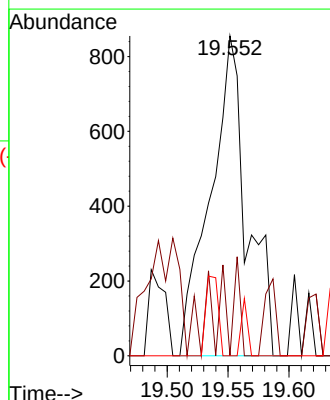
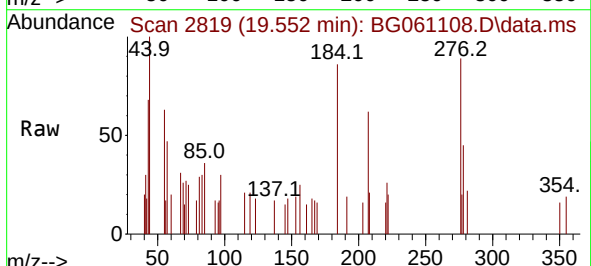
Tgt Ion:184 Resp: 1788

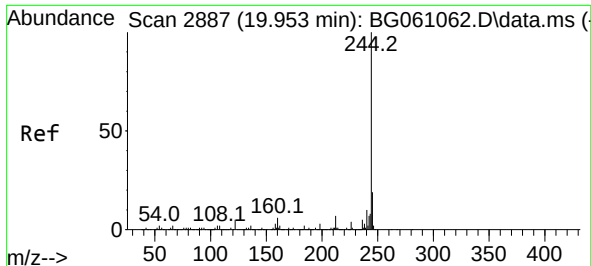
Ion Ratio Lower Upper

184 100

185 0.0 12.0 18.0#

183 0.0 10.9 16.3#

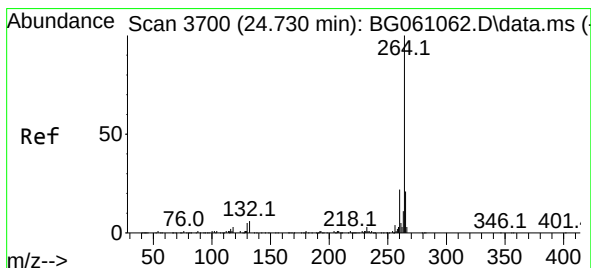
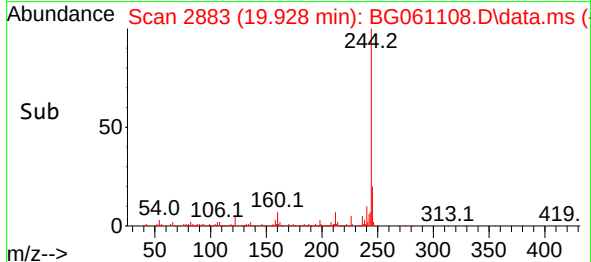
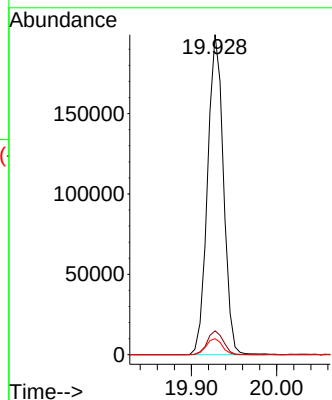
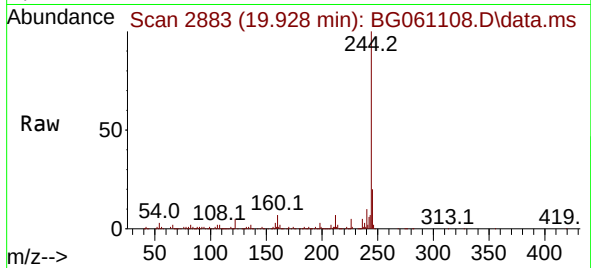




#79
 Terphenyl-d14
 Concen: 23.187 ng
 RT: 19.928 min Scan# 21
 Delta R.T. -0.026 min
 Lab File: BG061108.D
 Acq: 3 May 2024 16:09

Instrument :
 BNA_G
 ClientSampleId :
 V359

Tgt Ion:244 Resp: 257573
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 5.0 4.2 6.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.693 min Scan# 3694
 Delta R.T. -0.037 min
 Lab File: BG061108.D
 Acq: 3 May 2024 16:09

Tgt Ion:264 Resp: 180902
 Ion Ratio Lower Upper
 264 100
 260 25.7 17.7 26.5
 265 23.1 16.4 24.6

