

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051524\
 Data File : BG061213.D
 Acq On : 15 May 2024 19:46
 Operator : MA/JU
 Sample : P2470-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WCS-TPG

Quant Time: May 16 01:15:46 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)

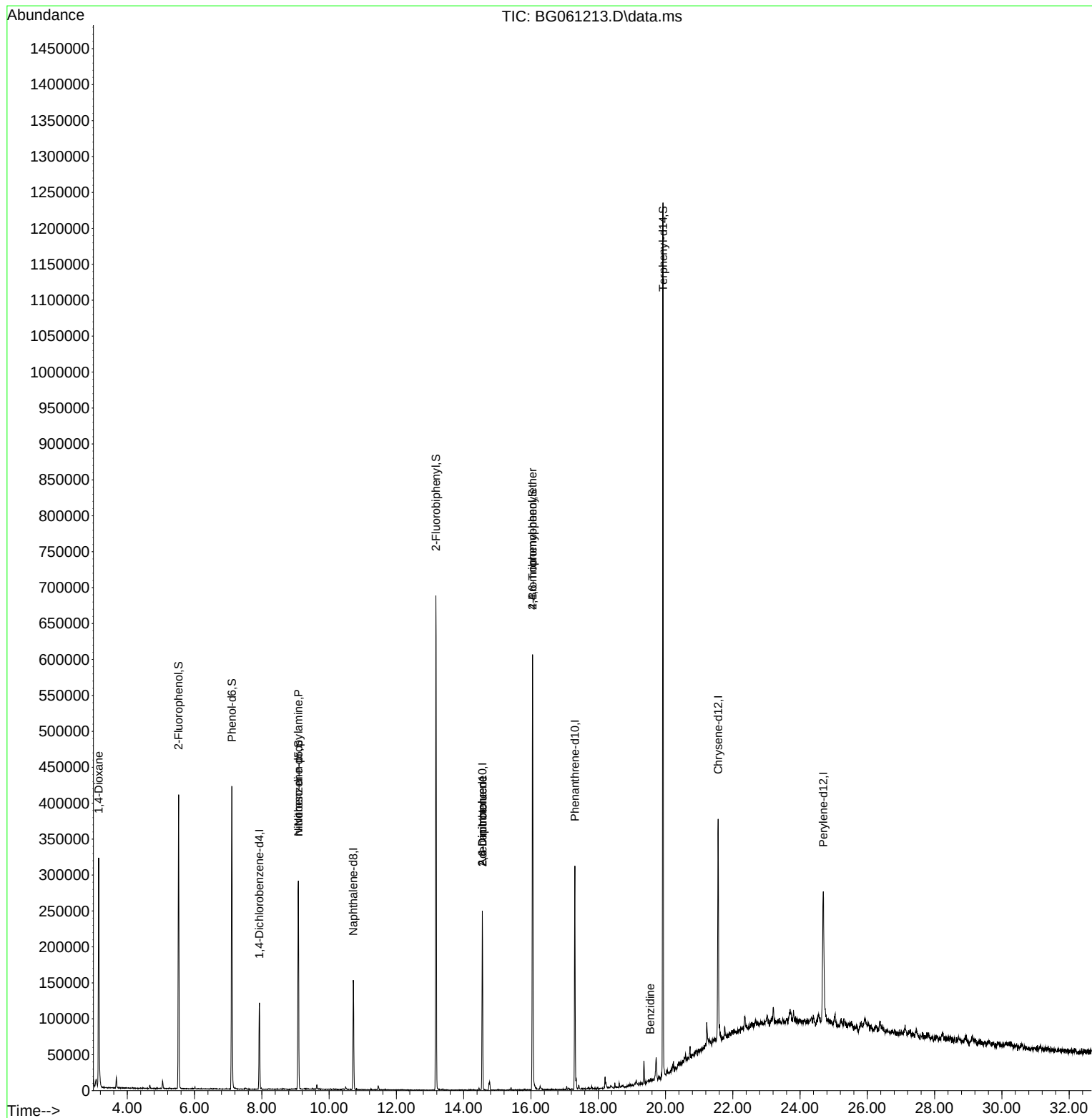
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	31601	20.000	ng	-0.03
21) Naphthalene-d8	10.720	136	119361	20.000	ng	#-0.04
39) Acenaphthene-d10	14.557	164	89033	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	192354	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	190495	20.000	ng	-0.03
86) Perylene-d12	24.692	264	233557	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	143278	92.209	ng	-0.02
7) Phenol-d6	7.112	99	199522	86.801	ng	-0.02
23) Nitrobenzene-d5	9.087	82	145783	60.546	ng	-0.03
42) 2,4,6-Tribromophenol	16.049	330	136781	76.860	ng	-0.03
45) 2-Fluorobiphenyl	13.176	172	354823	58.931	ng	-0.03
79) Terphenyl-d14	19.927	244	638171	55.716	ng	-0.03
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.152	88	2394	3.810	ng	# 1
9) Benzaldehyde	7.101	77	375	Below Cal		# 3
19) n-Nitroso-di-n-propyla...	9.087	70	21563	12.535	ng	# 65
51) 2,6-Dinitrotoluene	14.557	165	11417	7.762	ng	# 18
57) 2,4-Dinitrotoluene	14.557	165	11417	5.246	ng	# 20
67) 4-Bromophenyl-phenylether	16.049	248	8806	3.886	ng	# 1
77) Benzidine	19.551	184	856	3.018	ng	# 65

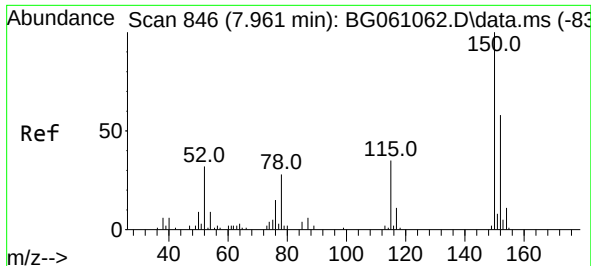
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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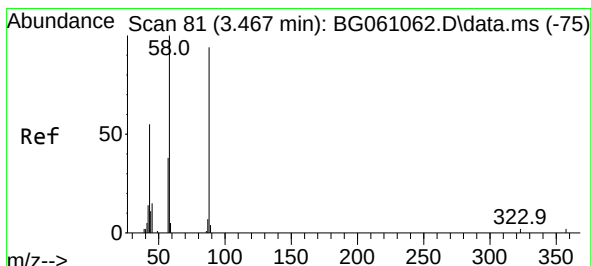
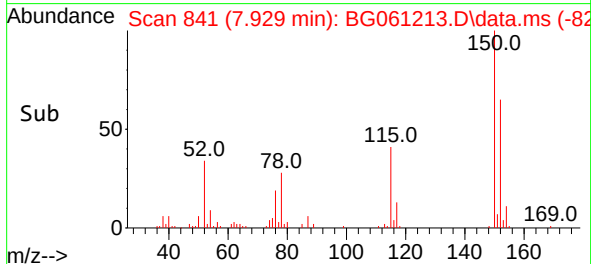
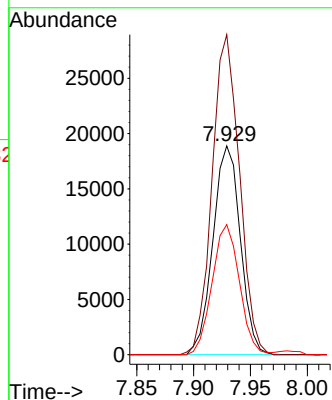
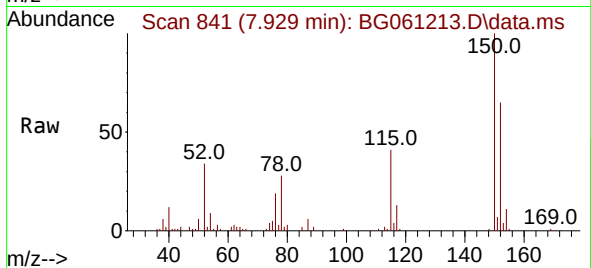




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.929 min Scan# 84
 Delta R.T. -0.032 min
 Lab File: BG061213.D
 Acq: 15 May 2024 19:46

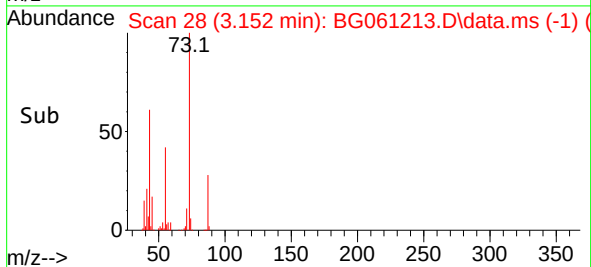
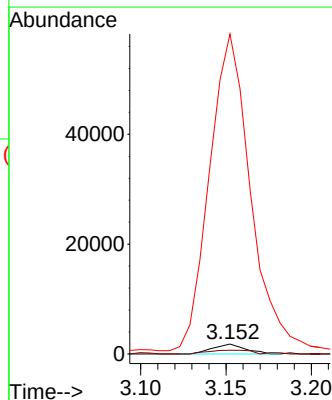
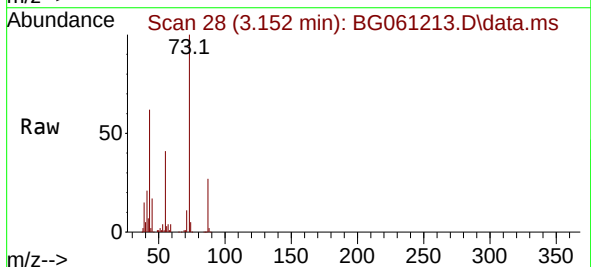
Instrument :
 BNA_G
 ClientSampleId :
 WCS-TPG

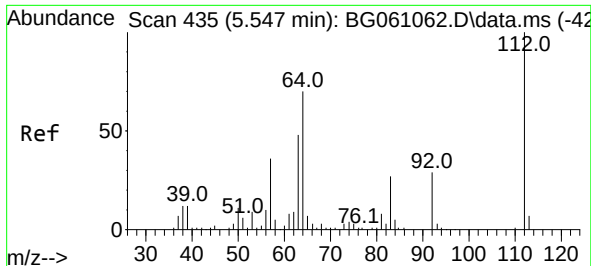
Tgt Ion:152 Resp: 31601
 Ion Ratio Lower Upper
 152 100
 150 153.3 138.3 207.5
 115 62.3 48.0 72.0



#2
 1,4-Dioxane
 Concen: 3.810 ng
 RT: 3.152 min Scan# 28
 Delta R.T. -0.314 min
 Lab File: BG061213.D
 Acq: 15 May 2024 19:46

Tgt Ion: 88 Resp: 2394
 Ion Ratio Lower Upper
 88 100
 58 55.6 81.2 121.8#
 43 4106.1 45.0 67.4#

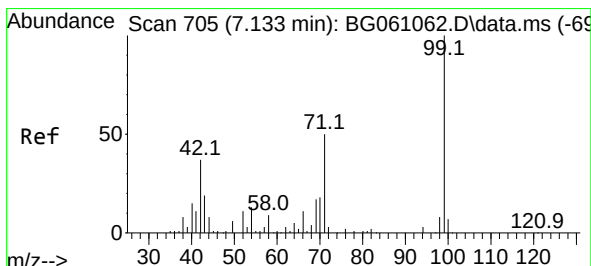
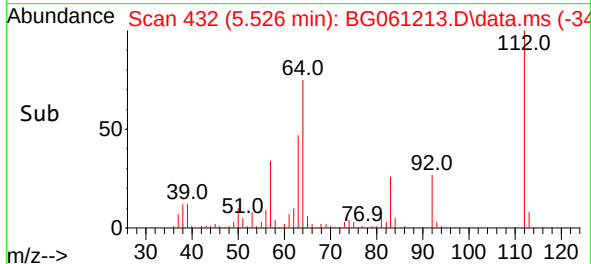
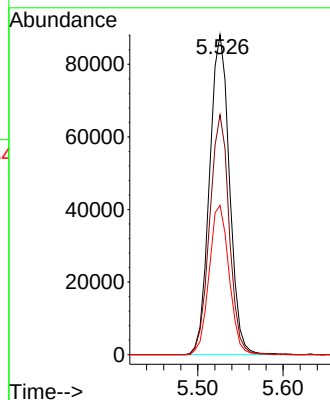
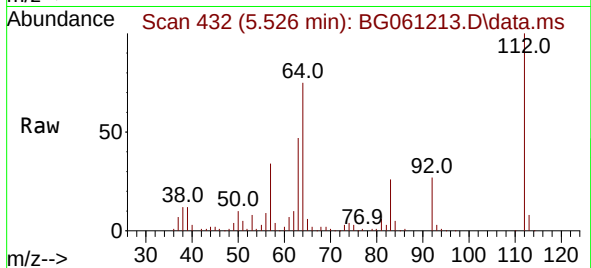




#5
2-Fluorophenol
Concen: 92.209 ng
RT: 5.526 min Scan# 41
Delta R.T. -0.021 min
Lab File: BG061213.D
Acq: 15 May 2024 19:46

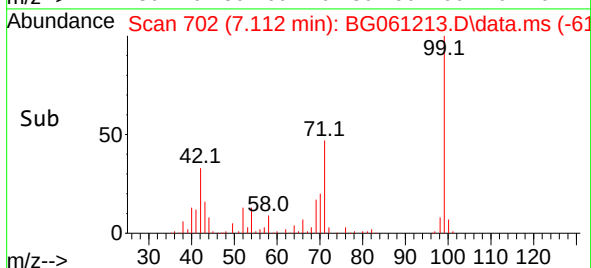
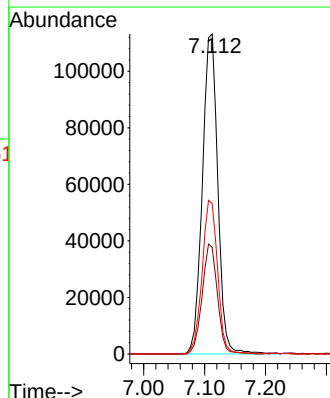
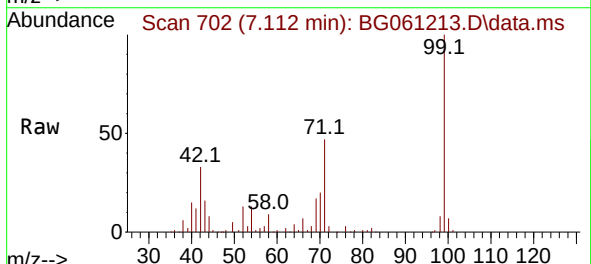
Instrument :
BNA_G
ClientSampleId :
WCS-TPG

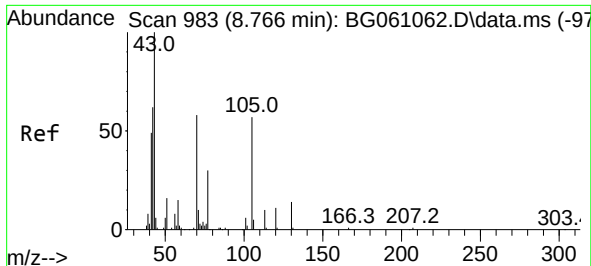
Tgt Ion:112 Resp: 143278
Ion Ratio Lower Upper
112 100
64 75.0 55.7 83.5
63 46.6 38.1 57.1



#7
Phenol-d6
Concen: 86.801 ng
RT: 7.112 min Scan# 702
Delta R.T. -0.021 min
Lab File: BG061213.D
Acq: 15 May 2024 19:46

Tgt Ion: 99 Resp: 199522
Ion Ratio Lower Upper
99 100
42 33.2 29.2 43.8
71 47.0 39.7 59.5

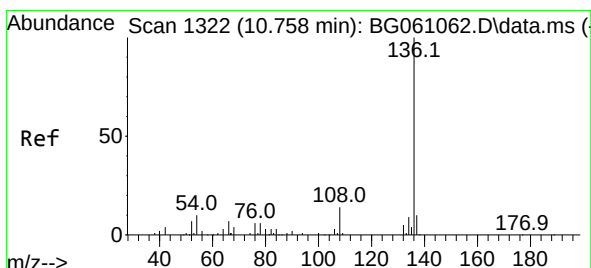
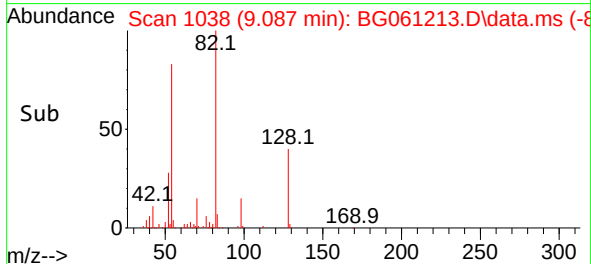
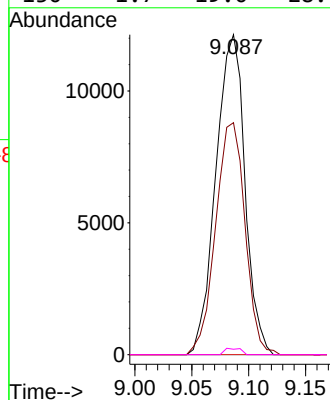
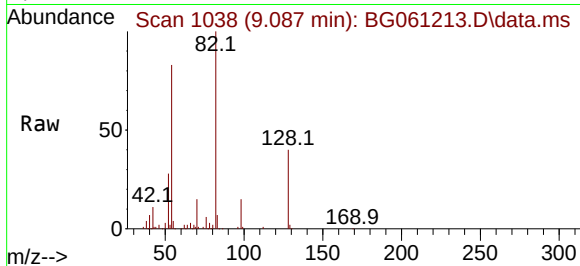




#19
n-Nitroso-di-n-propylamine
Concen: 12.535 ng
RT: 9.087 min Scan# 11
Delta R.T. 0.320 min
Lab File: BG061213.D
Acq: 15 May 2024 19:46

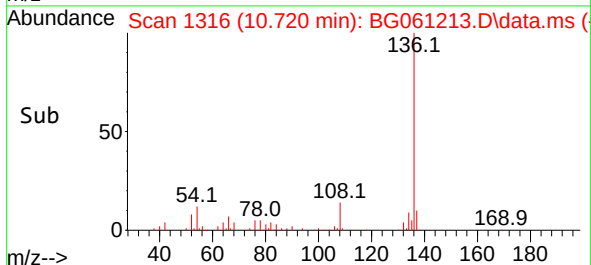
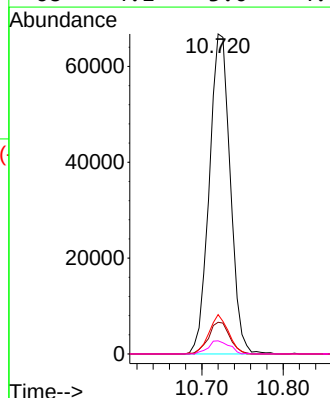
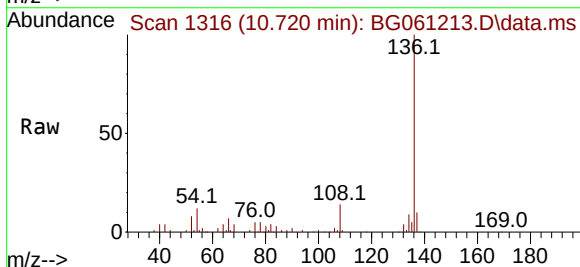
Instrument :
BNA_G
ClientSampleId :
WCS-TPG

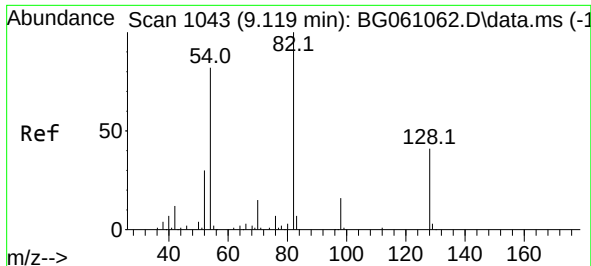
Tgt Ion: 70 Resp: 21563
Ion Ratio Lower Upper
70 100
42 72.5 86.4 129.6#
101 0.0 7.8 11.8#
130 1.7 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.720 min Scan# 1316
Delta R.T. -0.038 min
Lab File: BG061213.D
Acq: 15 May 2024 19:46

Tgt Ion: 136 Resp: 119361
Ion Ratio Lower Upper
136 100
137 9.9 7.8 11.6
54 12.3 8.1 12.1#
68 4.1 3.0 4.4





#23

Nitrobenzene-d5

Concen: 60.546 ng

RT: 9.087 min Scan# 1038

Delta R.T. -0.032 min

Lab File: BG061213.D

Acq: 15 May 2024 19:46

Instrument :

BNA_G

ClientSampleId :

WCS-TPG

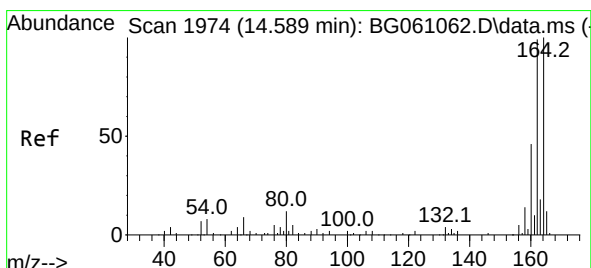
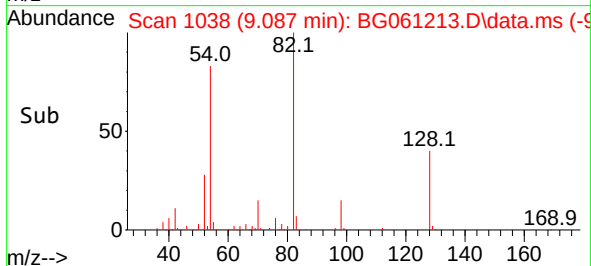
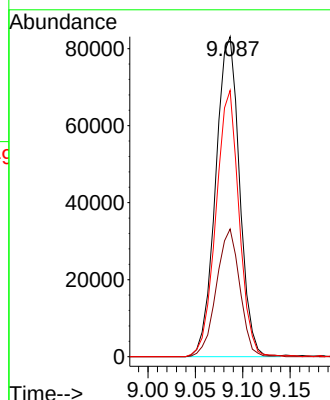
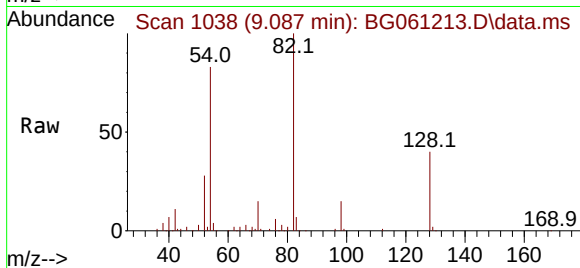
Tgt Ion: 82 Resp: 145783

Ion Ratio Lower Upper

82 100

128 39.9 32.7 49.1

54 83.2 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: BG061213.D

Acq: 15 May 2024 19:46

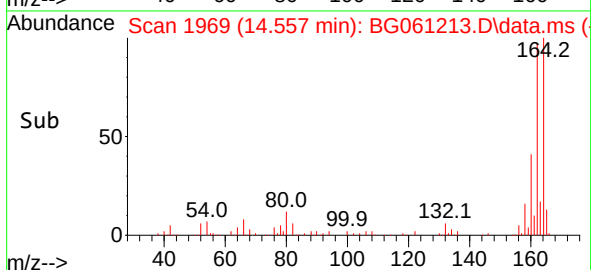
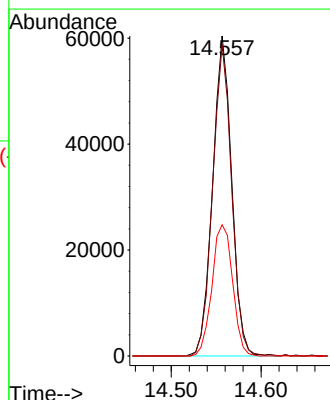
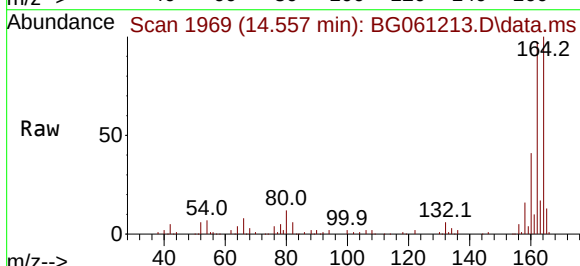
Tgt Ion: 164 Resp: 89033

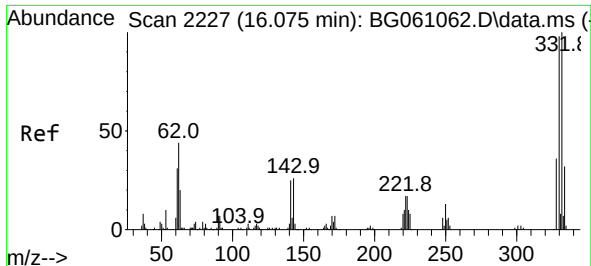
Ion Ratio Lower Upper

164 100

162 97.3 79.4 119.2

160 41.0 37.0 55.6

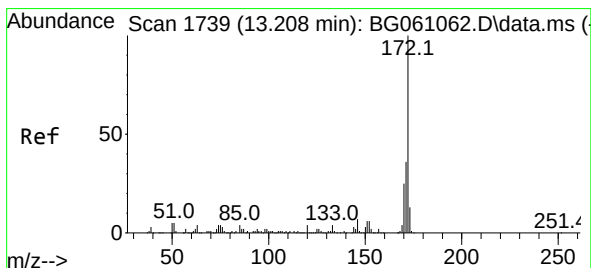
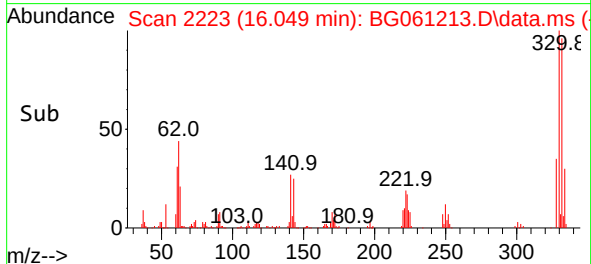
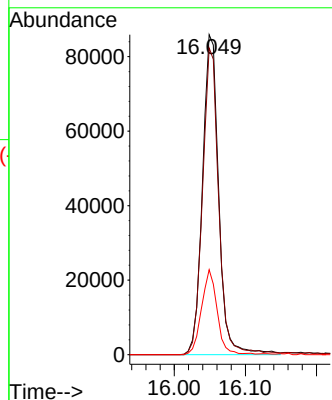
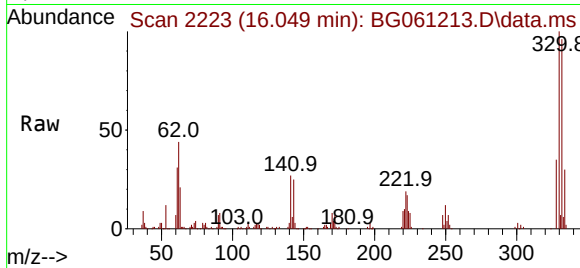




#42
2,4,6-Tribromophenol
Concen: 76.860 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.026 min
Lab File: BG061213.D
Acq: 15 May 2024 19:46

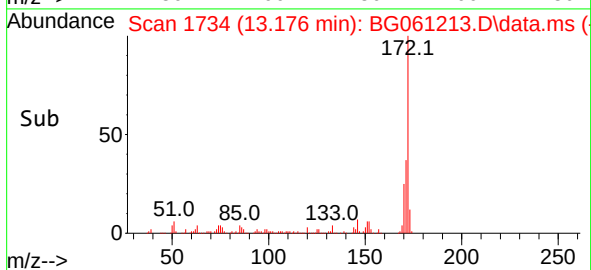
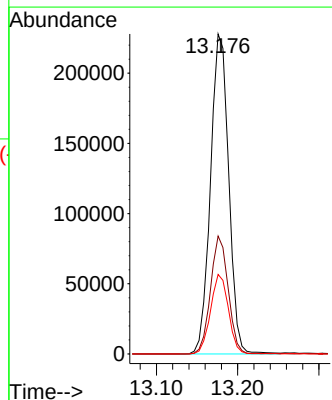
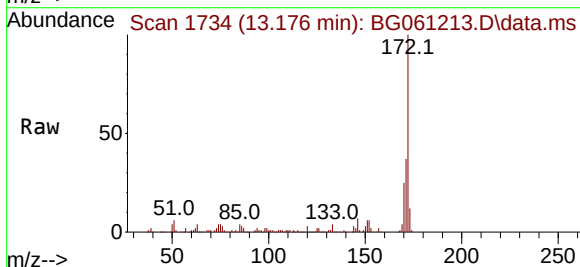
Instrument :
BNA_G
ClientSampleId :
WCS-TPG

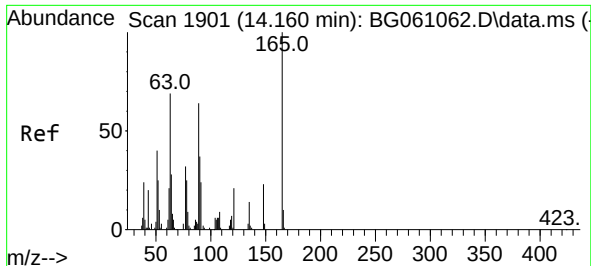
Tgt Ion:330 Resp: 136781
Ion Ratio Lower Upper
330 100
332 95.6 78.6 117.8
141 25.3 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 58.931 ng
RT: 13.176 min Scan# 1734
Delta R.T. -0.032 min
Lab File: BG061213.D
Acq: 15 May 2024 19:46

Tgt Ion:172 Resp: 354823
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.6
170 24.9 20.2 30.4

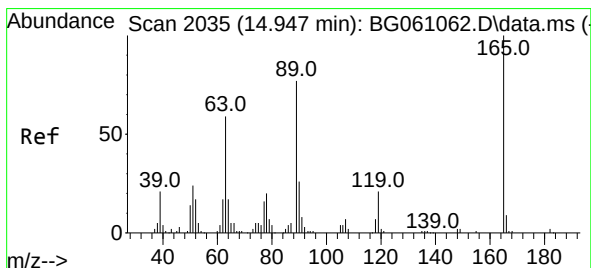
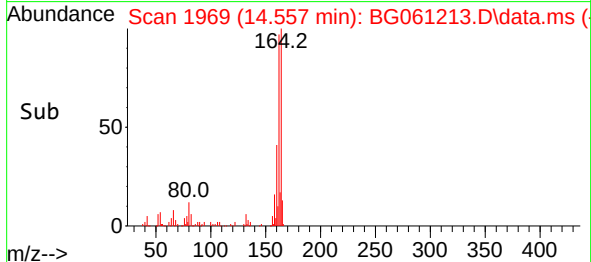
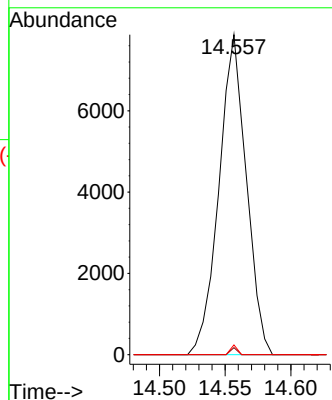
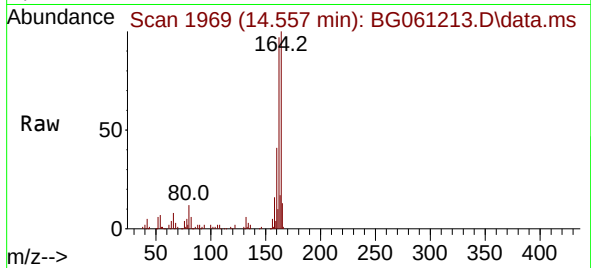




#51
2,6-Dinitrotoluene
Concen: 7.762 ng
RT: 14.557 min Scan# 1969
Delta R.T. 0.397 min
Lab File: BG061213.D
Acq: 15 May 2024 19:46

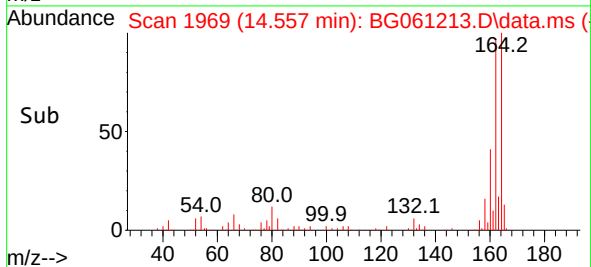
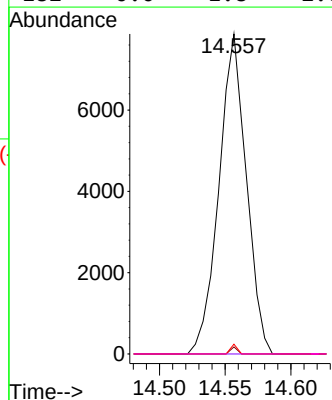
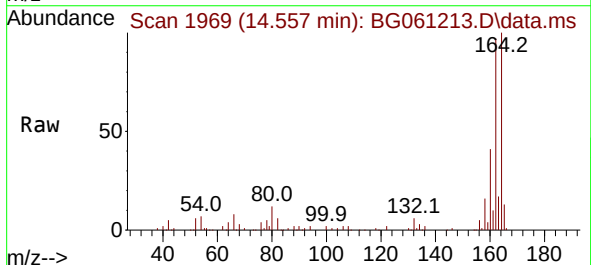
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BNA_G
ClientSampleId :
WCS-TPG

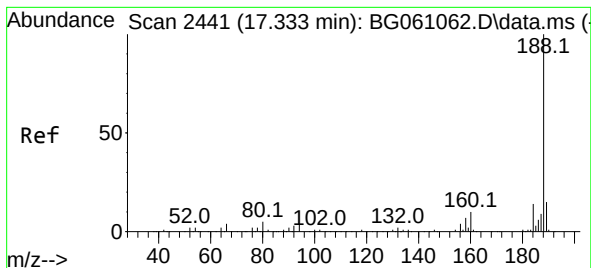
Tgt Ion:165 Resp: 11417
Ion Ratio Lower Upper
165 100
63 2.2 60.0 90.0#
89 3.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.246 ng
RT: 14.557 min Scan# 1969
Delta R.T. -0.391 min
Lab File: BG061213.D
Acq: 15 May 2024 19:46

Tgt Ion:165 Resp: 11417
Ion Ratio Lower Upper
165 100
63 2.2 47.3 70.9#
89 3.0 61.8 92.8#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.306 min Scan# 2441

Delta R.T. -0.026 min

Lab File: BG061213.D

Acq: 15 May 2024 19:46

Instrument :

BNA_G

ClientSampleId :

WCS-TPG

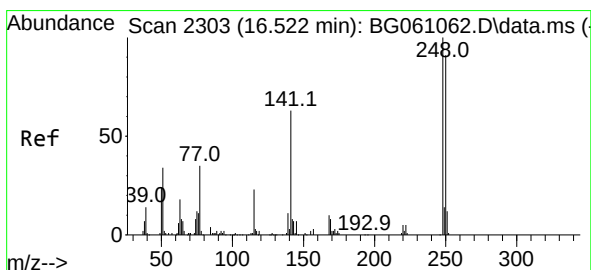
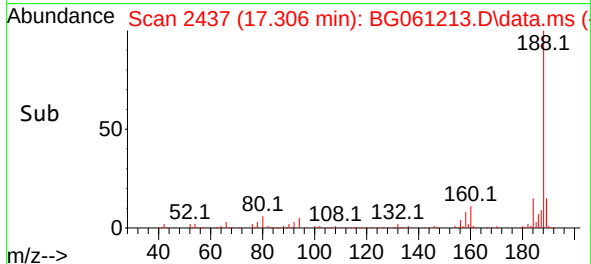
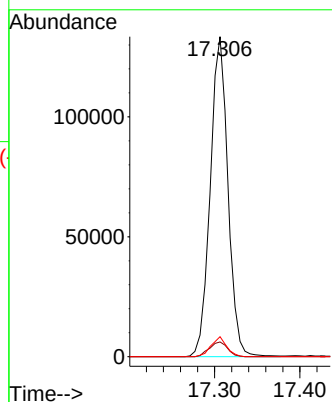
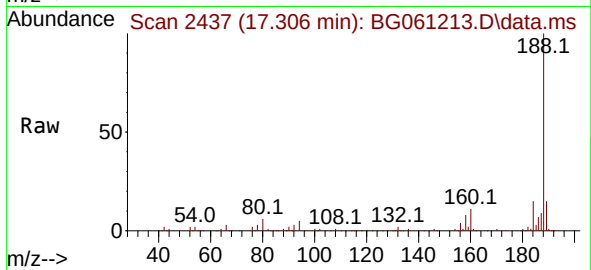
Tgt Ion:188 Resp: 192354

Ion Ratio Lower Upper

188 100

94 4.6 3.6 5.4

80 6.2 4.2 6.2



#67

4-Bromophenyl-phenylether

Concen: 3.886 ng

RT: 16.049 min Scan# 2223

Delta R.T. -0.473 min

Lab File: BG061213.D

Acq: 15 May 2024 19:46

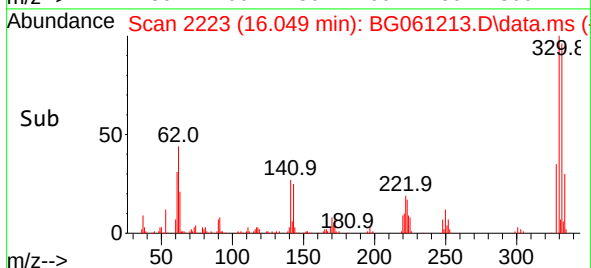
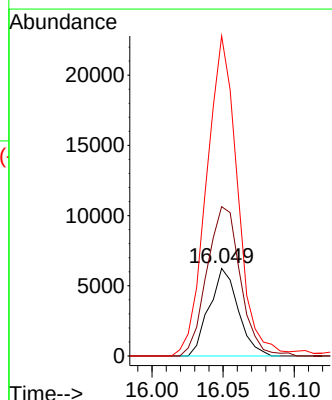
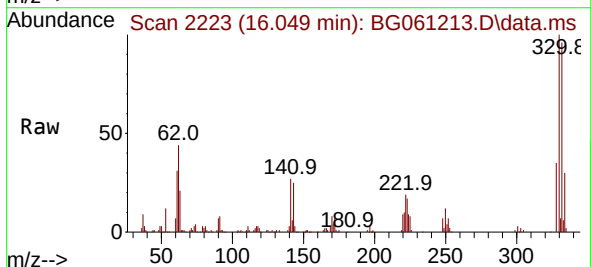
Tgt Ion:248 Resp: 8806

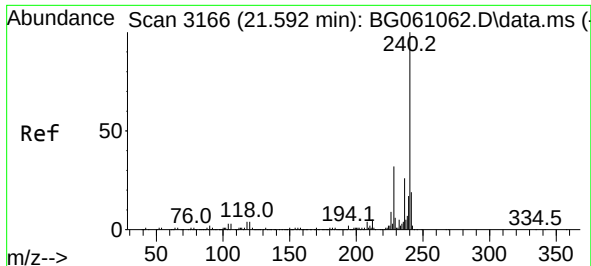
Ion Ratio Lower Upper

248 100

250 170.6 73.0 109.4#

141 365.5 50.8 76.2#

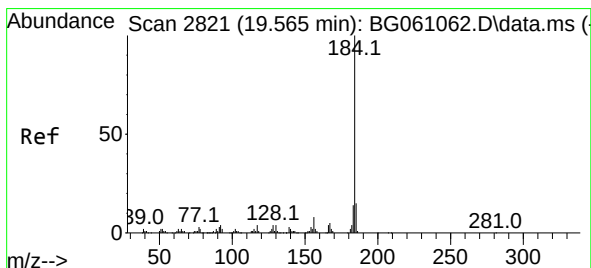
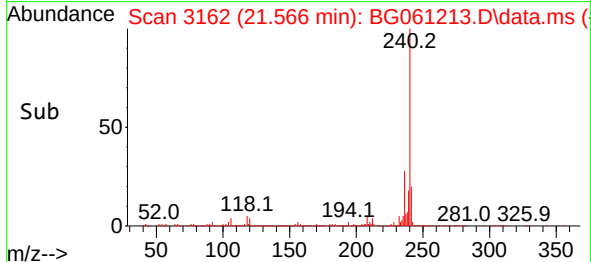
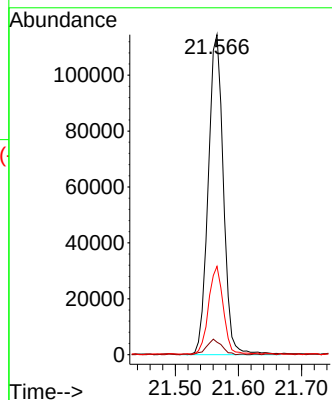
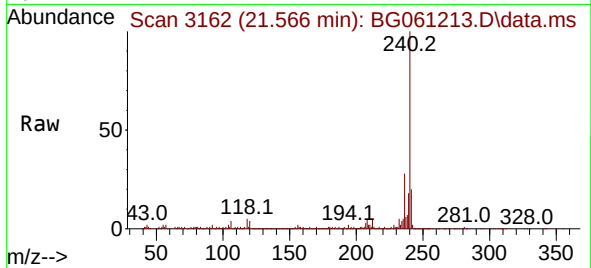




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3166
Delta R.T. -0.026 min
Lab File: BG061213.D
Acq: 15 May 2024 19:46

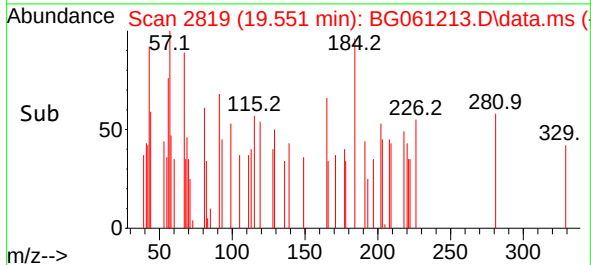
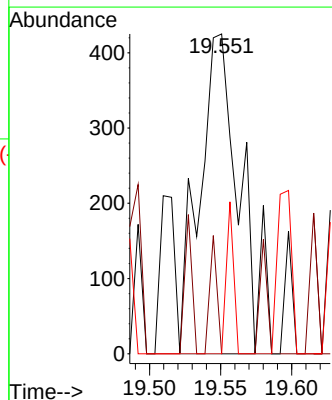
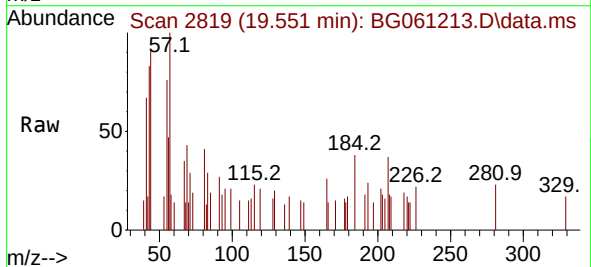
Instrument :
BNA_G
ClientSampleId :
WCS-TPG

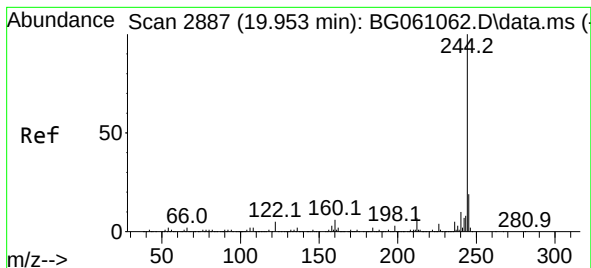
Tgt Ion:240 Resp: 190495
Ion Ratio Lower Upper
240 100
120 3.9 3.2 4.8
236 27.6 21.0 31.6



#77
Benzidine
Concen: 3.018 ng
RT: 19.551 min Scan# 2819
Delta R.T. -0.014 min
Lab File: BG061213.D
Acq: 15 May 2024 19:46

Tgt Ion:184 Resp: 856
Ion Ratio Lower Upper
184 100
185 0.0 12.0 18.0#
183 0.0 10.9 16.3#





#79

Terphenyl-d14

Concen: 55.716 ng

RT: 19.927 min Scan# 21

Delta R.T. -0.026 min

Lab File: BG061213.D

Acq: 15 May 2024 19:46

Instrument :

BNA_G

ClientSampleId :

WCS-TPG

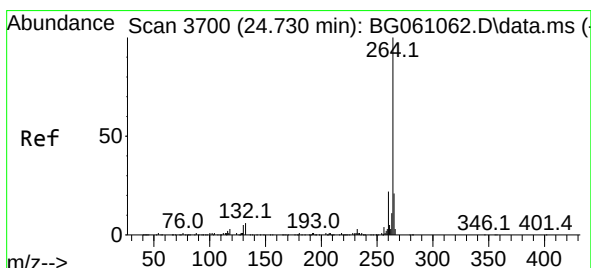
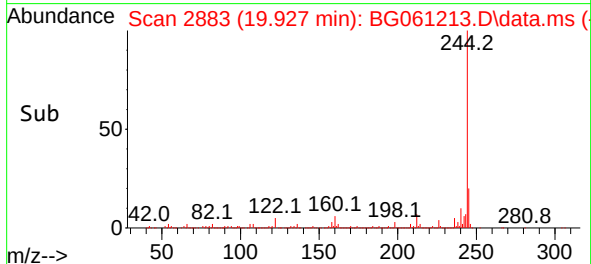
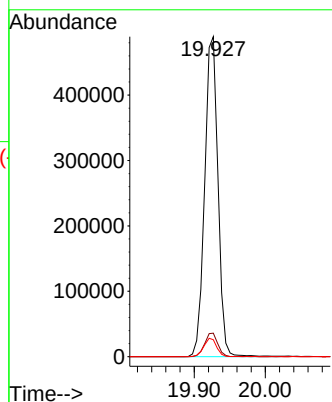
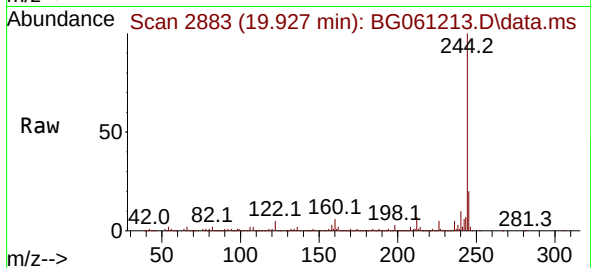
Tgt Ion:244 Resp: 638171

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

122 5.3 4.2 6.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.692 min Scan# 3694

Delta R.T. -0.038 min

Lab File: BG061213.D

Acq: 15 May 2024 19:46

Tgt Ion:264 Resp: 233557

Ion Ratio Lower Upper

264 100

260 24.9 17.7 26.5

265 21.1 16.4 24.6

