

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050324\
 Data File : BG061103.D
 Acq On : 3 May 2024 12:44
 Operator : MA/JU
 Sample : P2331-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Quant Time: May 03 13:38:55 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)

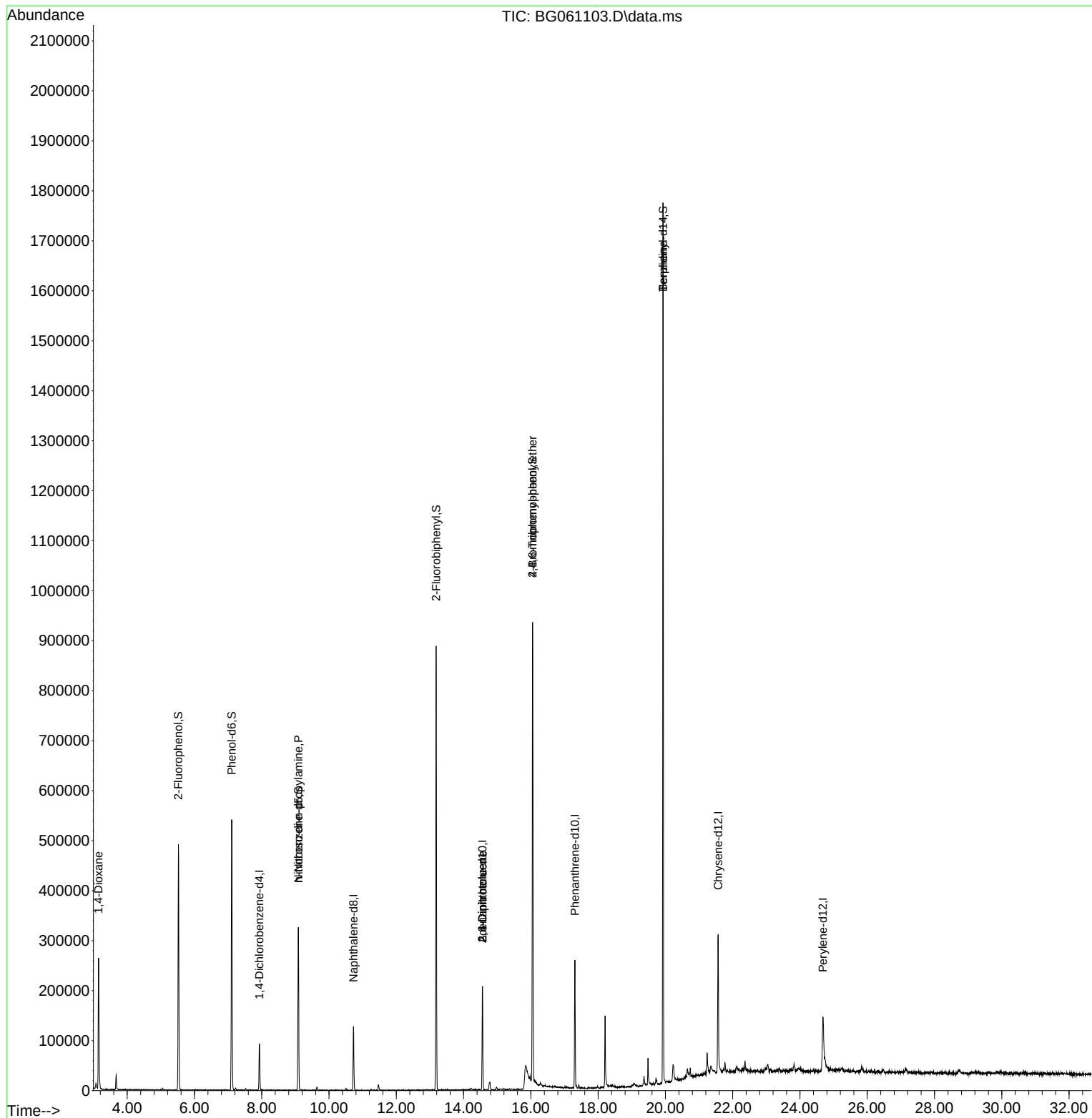
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.930	152	24455	20.000	ng	-0.03
21) Naphthalene-d8	10.727	136	97101	20.000	ng	-0.03
39) Acenaphthene-d10	14.558	164	74335	20.000	ng	-0.03
64) Phenanthrene-d10	17.308	188	165765	20.000	ng	-0.03
76) Chrysene-d12	21.567	240	176235	20.000	ng	-0.03
86) Perylene-d12	24.681	264	159801	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.521	112	174728	145.308	ng	-0.03
7) Phenol-d6	7.108	99	240296	135.087	ng	-0.03
23) Nitrobenzene-d5	9.088	82	166021	84.757	ng	-0.03
42) 2,4,6-Tribromophenol	16.050	330	203646	137.059	ng	-0.03
45) 2-Fluorobiphenyl	13.183	172	454499	90.412	ng	-0.03
79) Terphenyl-d14	19.928	244	861471	81.298	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.148	88	2153	4.428	ng	# 1
9) Benzaldehyde	7.102	77	522	Below Cal		# 3
19) n-Nitroso-di-n-propyla...	9.088	70	24822	18.646	ng	# 58
51) 2,6-Dinitrotoluene	14.564	165	9890	8.053	ng	# 15
57) 2,4-Dinitrotoluene	14.564	165	9890	5.443	ng	# 17
67) 4-Bromophenyl-phenylether	16.050	248	12989	6.652	ng	# 1
77) Benizidine	19.928	184	14062	6.744	ng	# 87

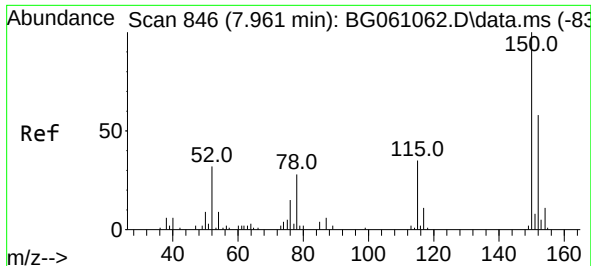
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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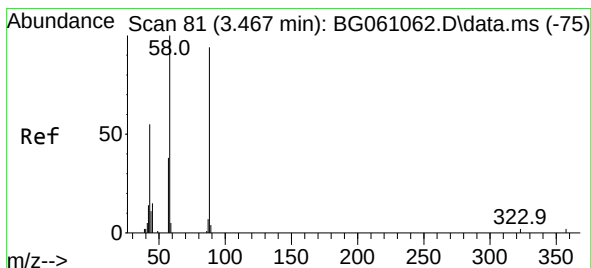
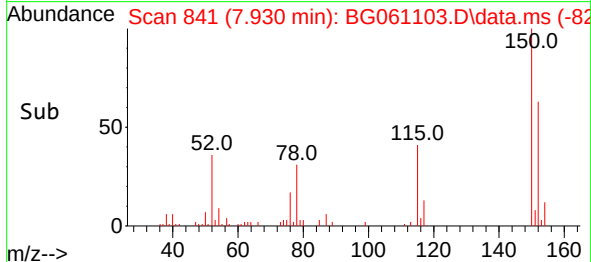
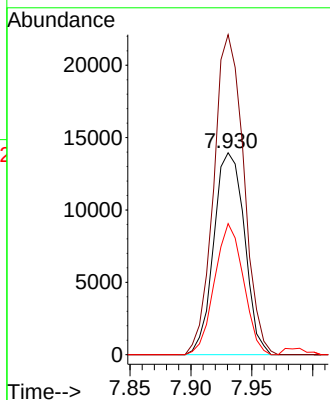
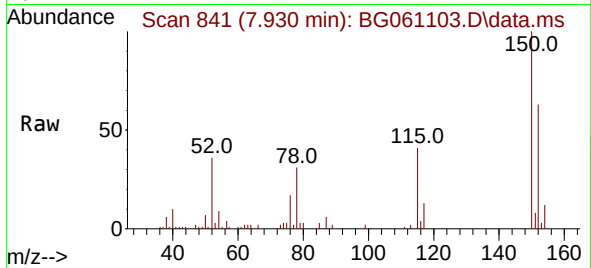




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.930 min Scan# 84
 Delta R.T. -0.031 min
 Lab File: BG061103.D
 Acq: 3 May 2024 12:44

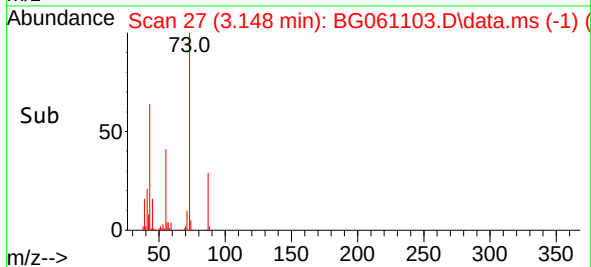
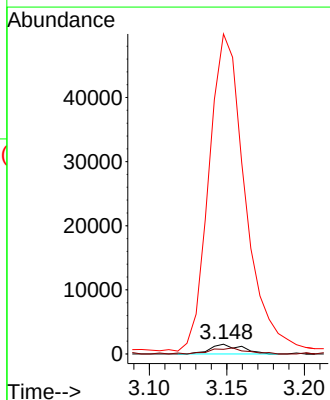
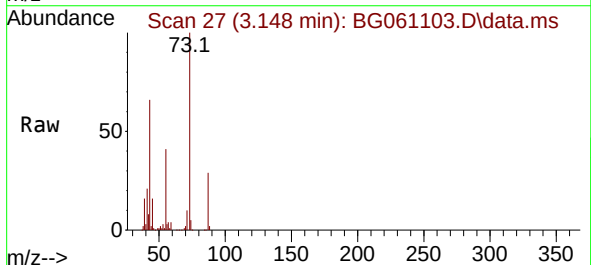
Instrument :
 BNA_G
 ClientSampleId :
 TP-3

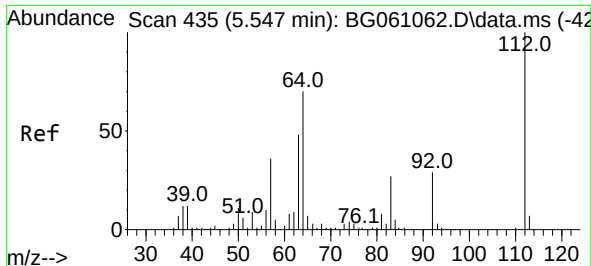
Tgt Ion:152 Resp: 24455
 Ion Ratio Lower Upper
 152 100
 150 158.4 138.3 207.5
 115 64.9 48.0 72.0



#2
 1,4-Dioxane
 Concen: 4.428 ng
 RT: 3.148 min Scan# 27
 Delta R.T. -0.319 min
 Lab File: BG061103.D
 Acq: 3 May 2024 12:44

Tgt Ion: 88 Resp: 2153
 Ion Ratio Lower Upper
 88 100
 58 69.8 81.2 121.8#
 43 3839.4 45.0 67.4#

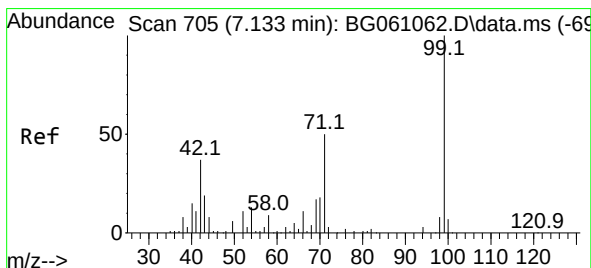
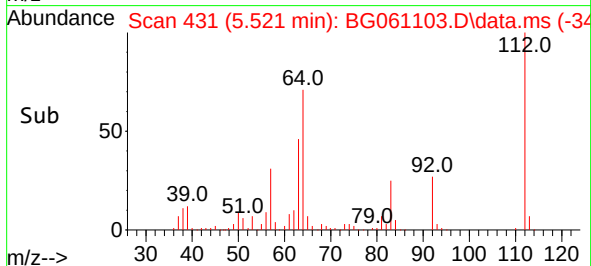
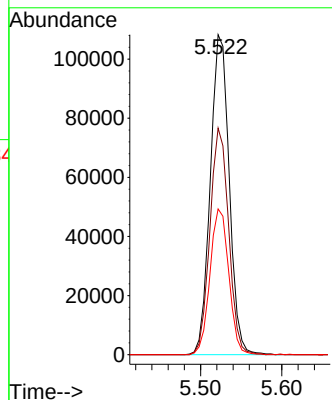
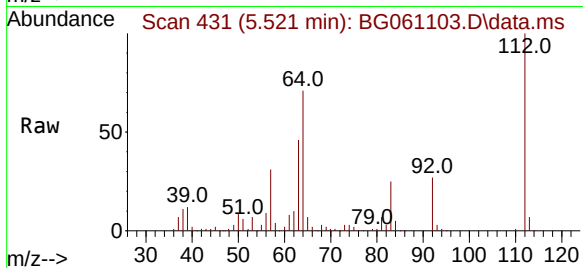




#5
2-Fluorophenol
Concen: 145.308 ng
RT: 5.521 min Scan# 411
Delta R.T. -0.025 min
Lab File: BG061103.D
Acq: 3 May 2024 12:44

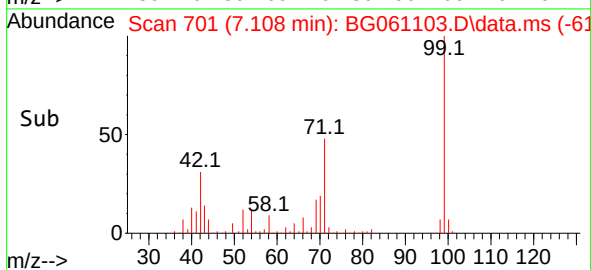
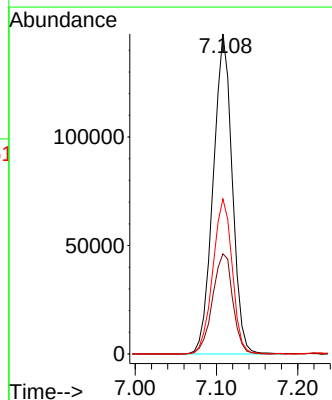
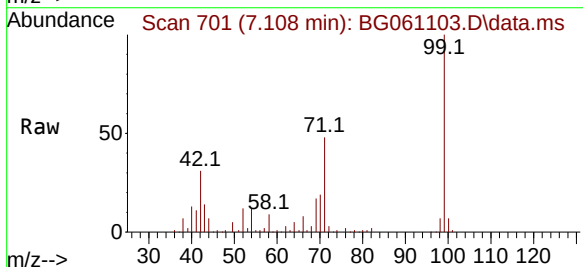
Instrument :
BNA_G
ClientSampleId :
TP-3

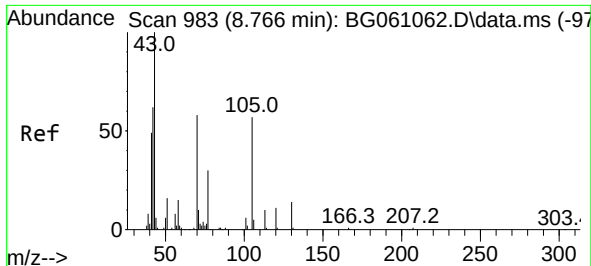
Tgt Ion:112 Resp: 174728
Ion Ratio Lower Upper
112 100
64 70.8 55.7 83.5
63 45.6 38.1 57.1



#7
Phenol-d6
Concen: 135.087 ng
RT: 7.108 min Scan# 701
Delta R.T. -0.025 min
Lab File: BG061103.D
Acq: 3 May 2024 12:44

Tgt Ion: 99 Resp: 240296
Ion Ratio Lower Upper
99 100
42 31.3 29.2 43.8
71 48.4 39.7 59.5

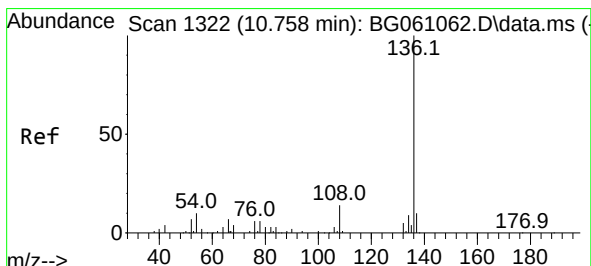
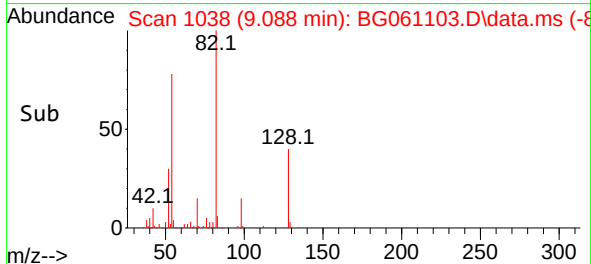
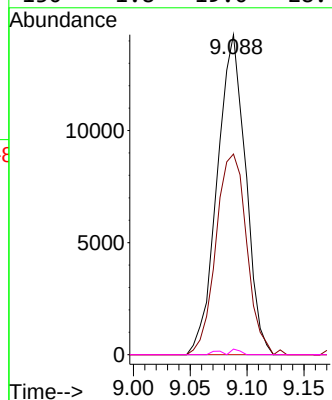
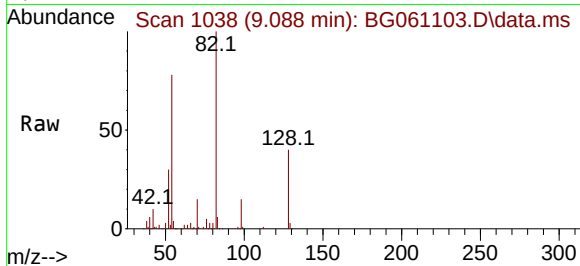




#19
n-Nitroso-di-n-propylamine
Concen: 18.646 ng
RT: 9.088 min Scan# 1038
Delta R.T. 0.322 min
Lab File: BG061103.D
Acq: 3 May 2024 12:44

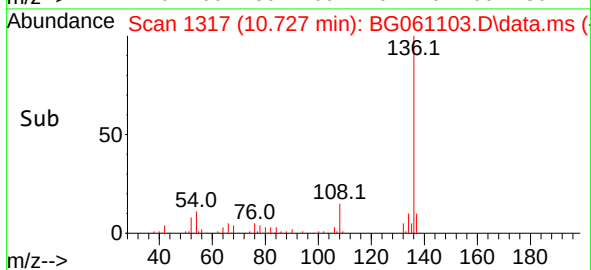
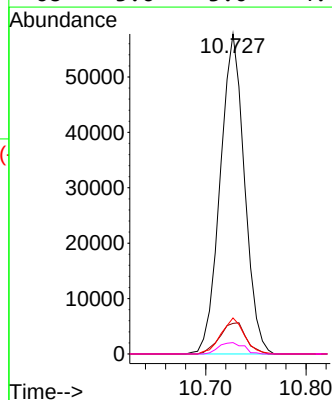
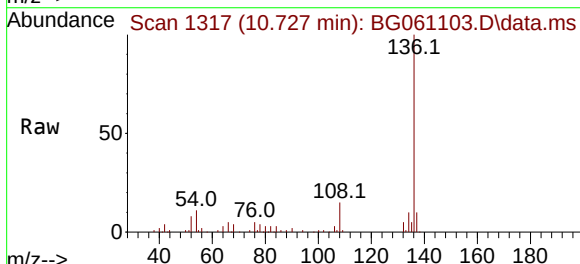
Instrument :
BNA_G
ClientSampleId :
TP-3

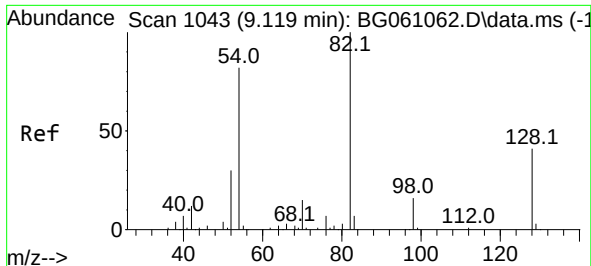
Tgt Ion: 70 Resp: 24822
Ion Ratio Lower Upper
70 100
42 62.7 86.4 129.6#
101 0.0 7.8 11.8#
130 1.8 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 1317
Delta R.T. -0.031 min
Lab File: BG061103.D
Acq: 3 May 2024 12:44

Tgt Ion: 136 Resp: 97101
Ion Ratio Lower Upper
136 100
137 9.5 7.8 11.6
54 11.2 8.1 12.1
68 3.6 3.0 4.4





#23

Nitrobenzene-d5

Concen: 84.757 ng

RT: 9.088 min Scan# 1043

Delta R.T. -0.031 min

Lab File: BG061103.D

Acq: 3 May 2024 12:44

Instrument :

BNA_G

ClientSampleId :

TP-3

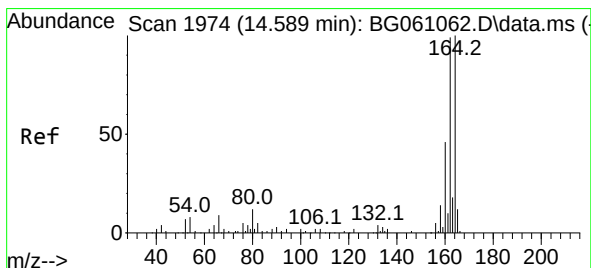
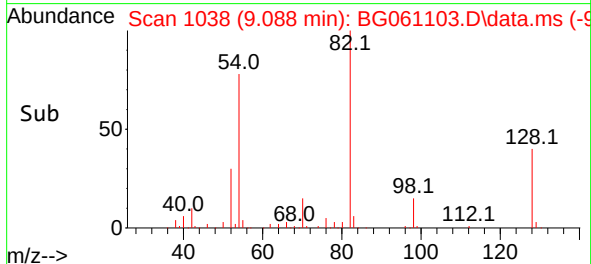
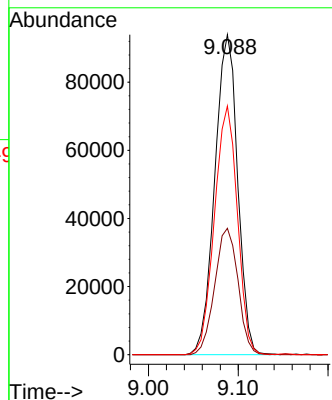
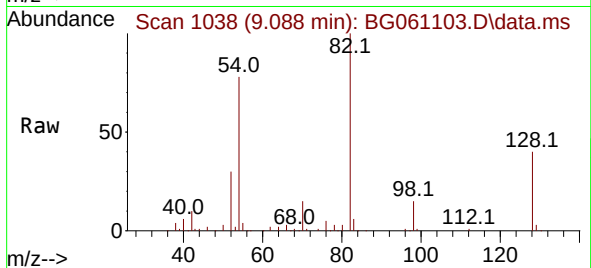
Tgt Ion: 82 Resp: 166021

Ion Ratio Lower Upper

82 100

128 39.5 32.7 49.1

54 77.7 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.558 min Scan# 1969

Delta R.T. -0.031 min

Lab File: BG061103.D

Acq: 3 May 2024 12:44

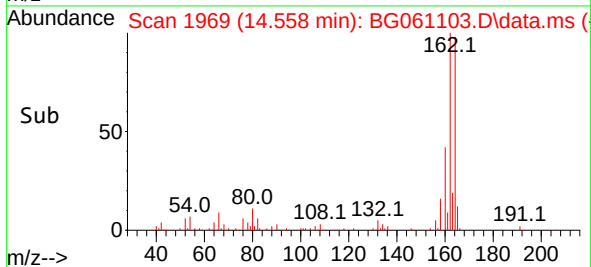
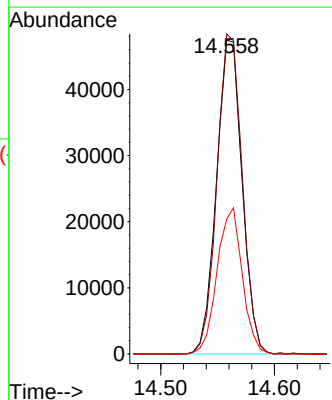
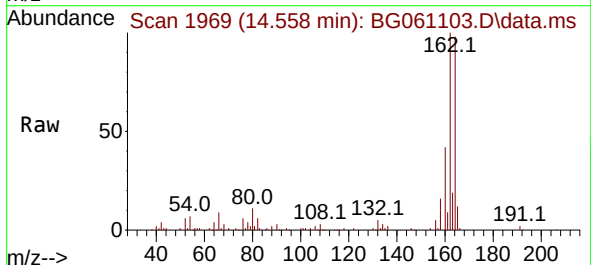
Tgt Ion:164 Resp: 74335

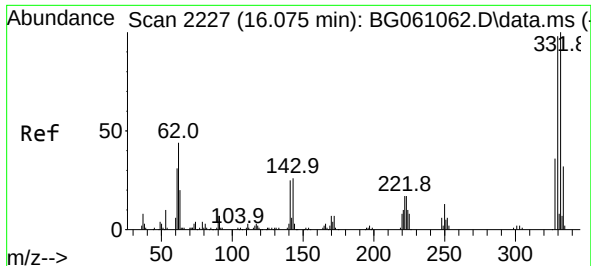
Ion Ratio Lower Upper

164 100

162 102.0 79.4 119.2

160 43.0 37.0 55.6

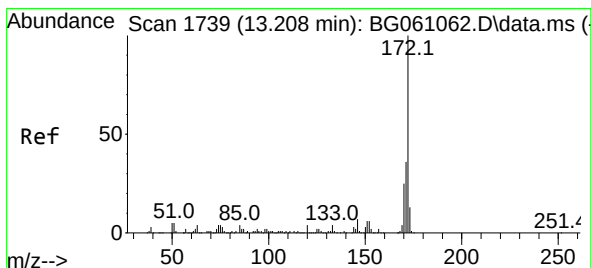
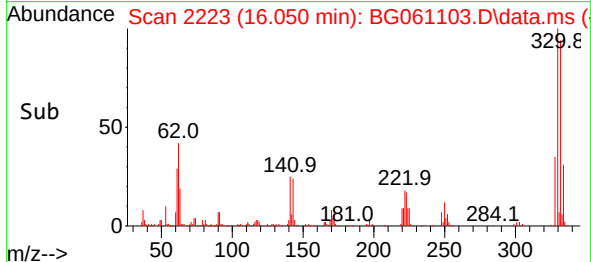
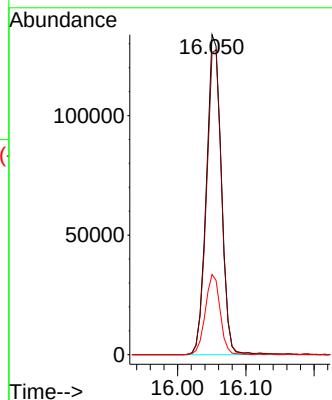
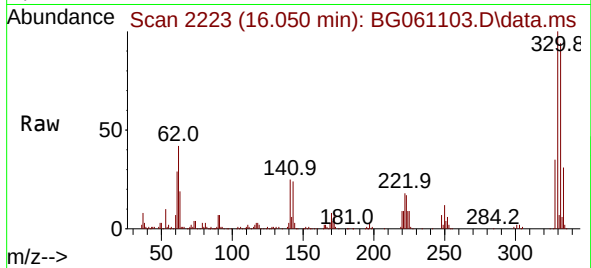




#42
2,4,6-Tribromophenol
Concen: 137.059 ng
RT: 16.050 min Scan# 21
Delta R.T. -0.025 min
Lab File: BG061103.D
Acq: 3 May 2024 12:44

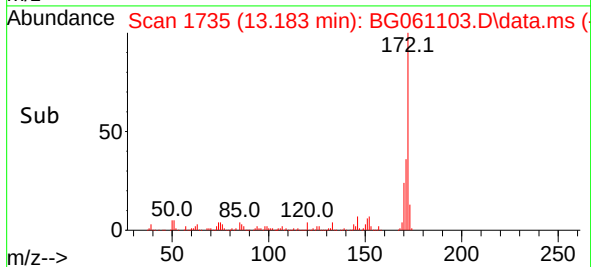
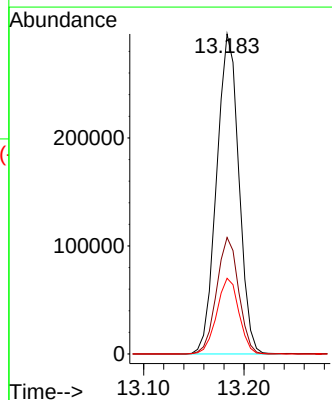
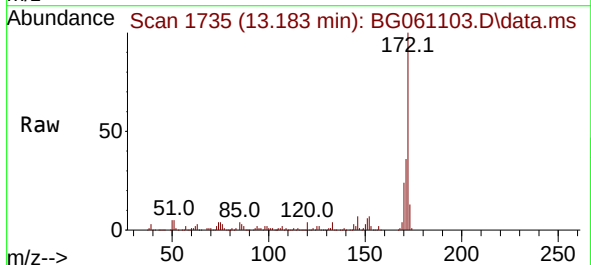
Instrument :
BNA_G
ClientSampleId :
TP-3

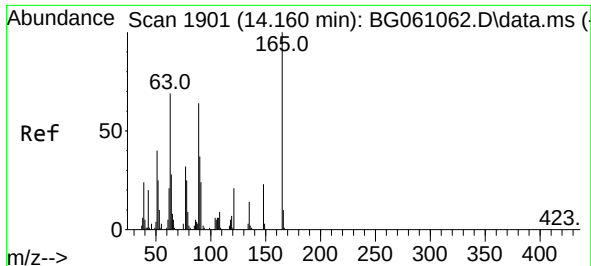
Tgt Ion:330 Resp: 203646
Ion Ratio Lower Upper
330 100
332 96.2 78.6 117.8
141 24.9 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 90.412 ng
RT: 13.183 min Scan# 1735
Delta R.T. -0.025 min
Lab File: BG061103.D
Acq: 3 May 2024 12:44

Tgt Ion:172 Resp: 454499
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 23.7 20.2 30.4

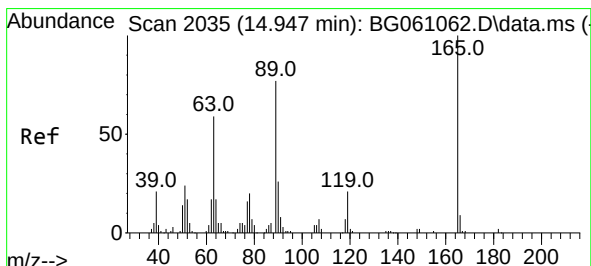
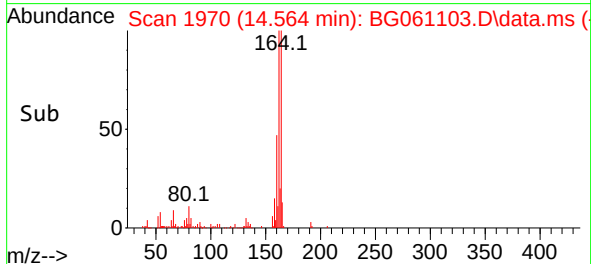
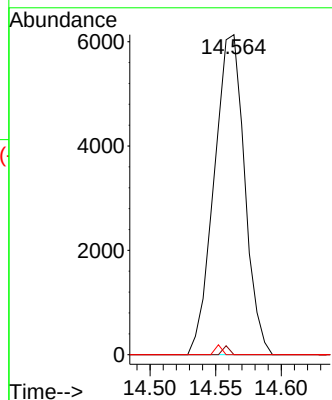
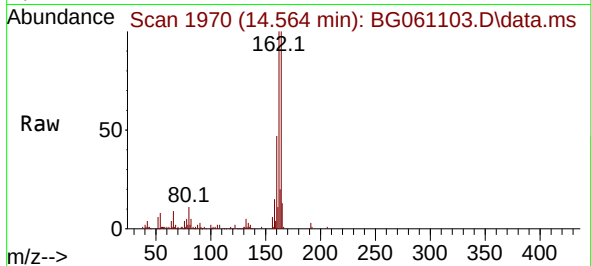




#51
2,6-Dinitrotoluene
Concen: 8.053 ng
RT: 14.564 min Scan# 1901
Delta R.T. 0.404 min
Lab File: BG061103.D
Acq: 3 May 2024 12:44

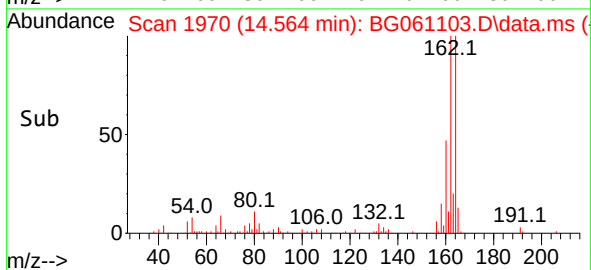
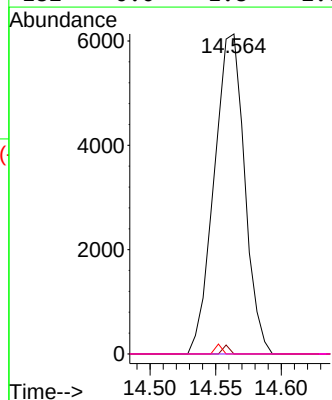
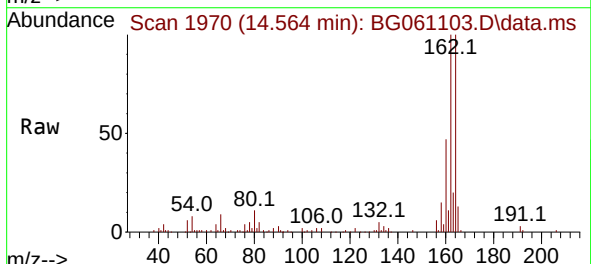
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ClientSampleId :
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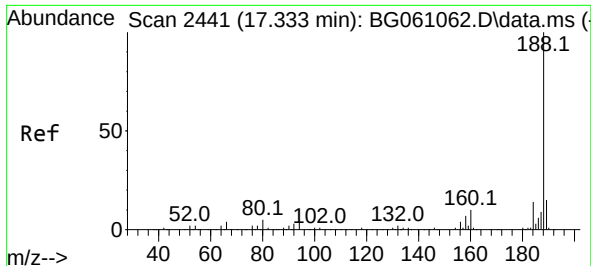
Tgt Ion:165 Resp: 9890
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.443 ng
RT: 14.564 min Scan# 1970
Delta R.T. -0.383 min
Lab File: BG061103.D
Acq: 3 May 2024 12:44

Tgt Ion:165 Resp: 9890
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#

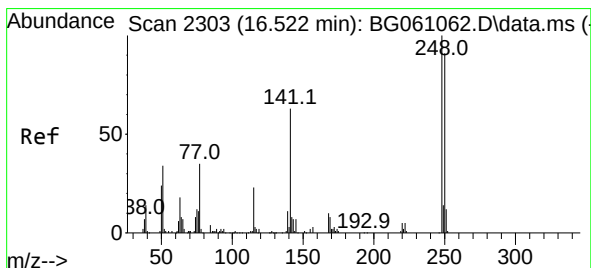
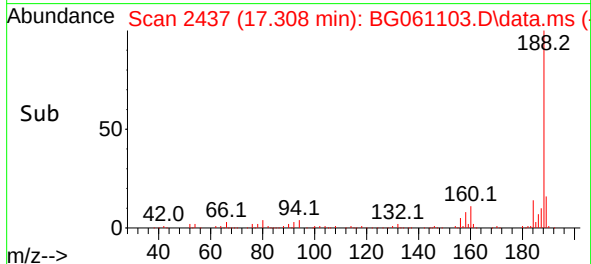
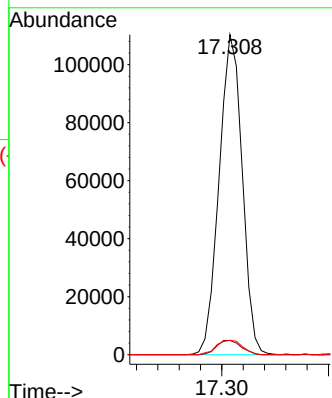
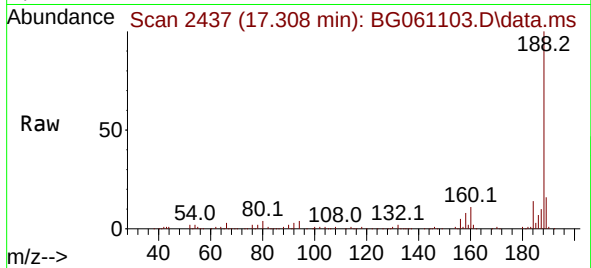




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.308 min Scan# 2441
Delta R.T. -0.025 min
Lab File: BG061103.D
Acq: 3 May 2024 12:44

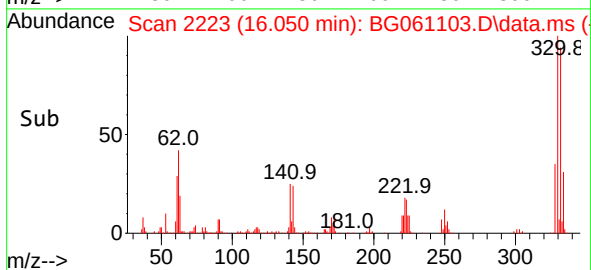
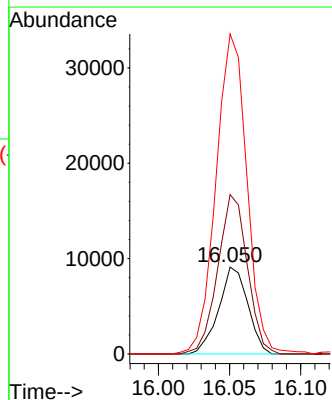
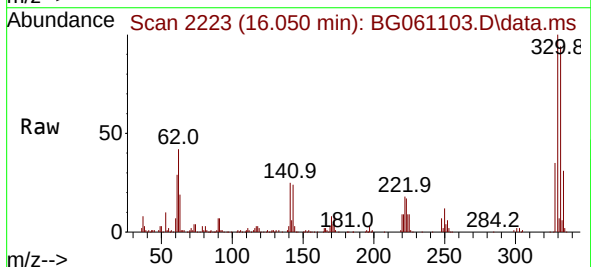
Instrument :
BNA_G
ClientSampleId :
TP-3

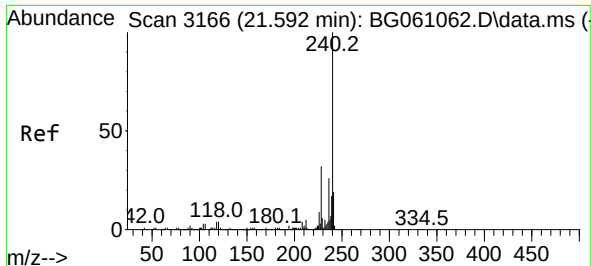
Tgt Ion:188 Resp: 165765
Ion Ratio Lower Upper
188 100
94 4.5 3.6 5.4
80 4.5 4.2 6.2



#67
4-Bromophenyl-phenylether
Concen: 6.652 ng
RT: 16.050 min Scan# 2223
Delta R.T. -0.472 min
Lab File: BG061103.D
Acq: 3 May 2024 12:44

Tgt Ion:248 Resp: 12989
Ion Ratio Lower Upper
248 100
250 183.6 73.0 109.4#
141 368.4 50.8 76.2#

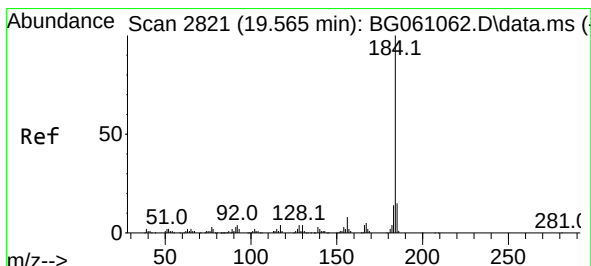
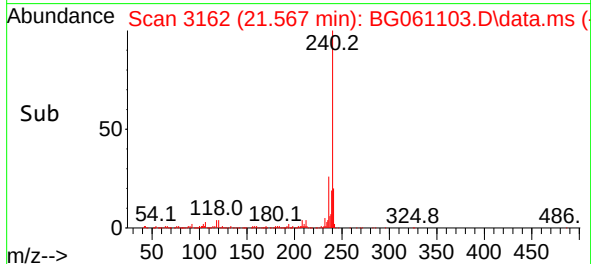
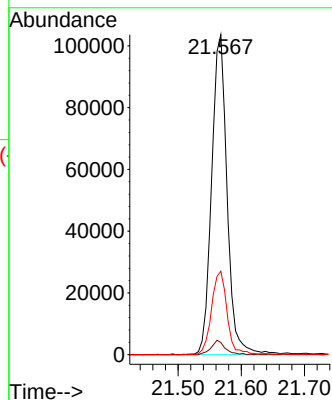
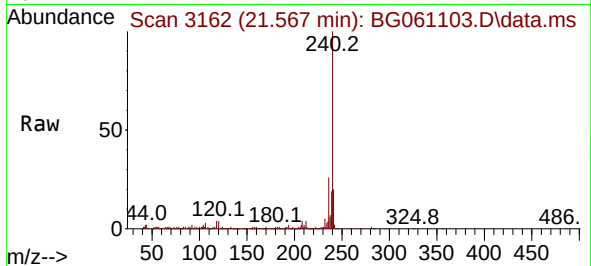




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.567 min Scan# 3166
Delta R.T. -0.025 min
Lab File: BG061103.D
Acq: 3 May 2024 12:44

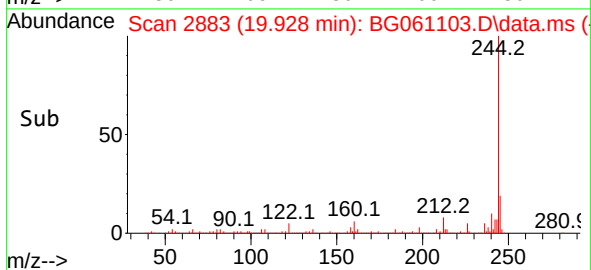
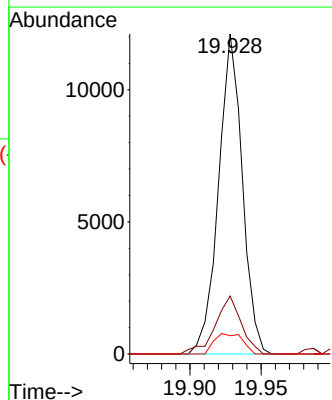
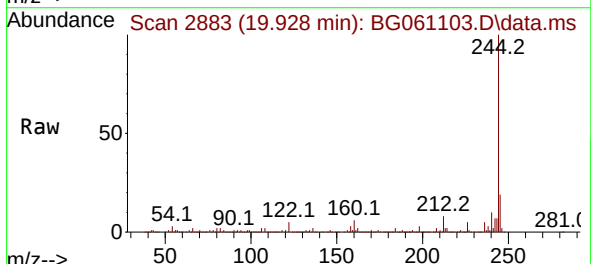
Instrument :
BNA_G
ClientSampleId :
TP-3

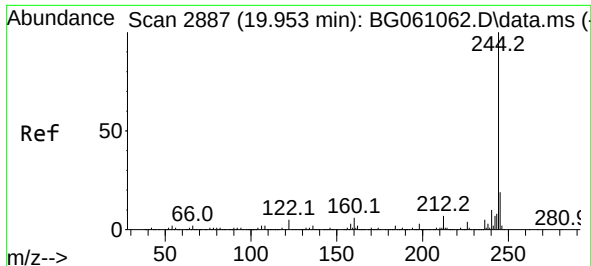
Tgt Ion:240 Resp: 176235
Ion Ratio Lower Upper
240 100
120 3.8 3.2 4.8
236 26.1 21.0 31.6



#77
Benzidine
Concen: 6.744 ng
RT: 19.928 min Scan# 2883
Delta R.T. 0.363 min
Lab File: BG061103.D
Acq: 3 May 2024 12:44

Tgt Ion:184 Resp: 14062
Ion Ratio Lower Upper
184 100
185 18.1 12.0 18.0#
183 5.7 10.9 16.3#

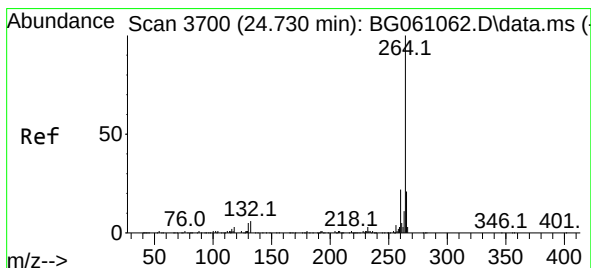
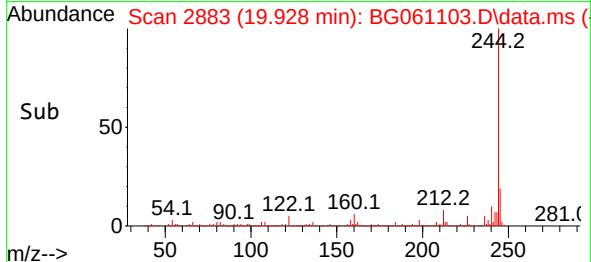
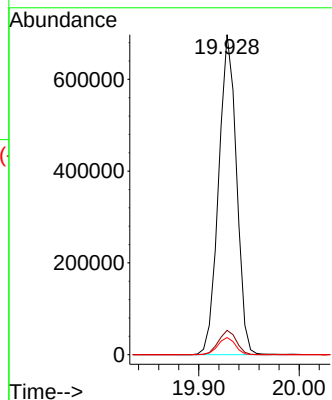
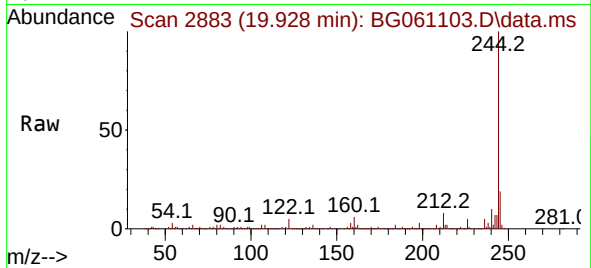




#79
 Terphenyl-d14
 Concen: 81.298 ng
 RT: 19.928 min Scan# 21
 Delta R.T. -0.025 min
 Lab File: BG061103.D
 Acq: 3 May 2024 12:44

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Tgt Ion:244 Resp: 861471
 Ion Ratio Lower Upper
 244 100
 212 7.6 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: BG061103.D
 Acq: 3 May 2024 12:44

Tgt Ion:264 Resp: 159801
 Ion Ratio Lower Upper
 264 100
 260 22.9 17.7 26.5
 265 23.4 16.4 24.6

