

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051324\
 Data File : BG061177.D
 Acq On : 13 May 2024 16:05
 Operator : MA/JU
 Sample : P2449-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1011UMR-RB240508-01

Quant Time: May 13 16:57:19 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)

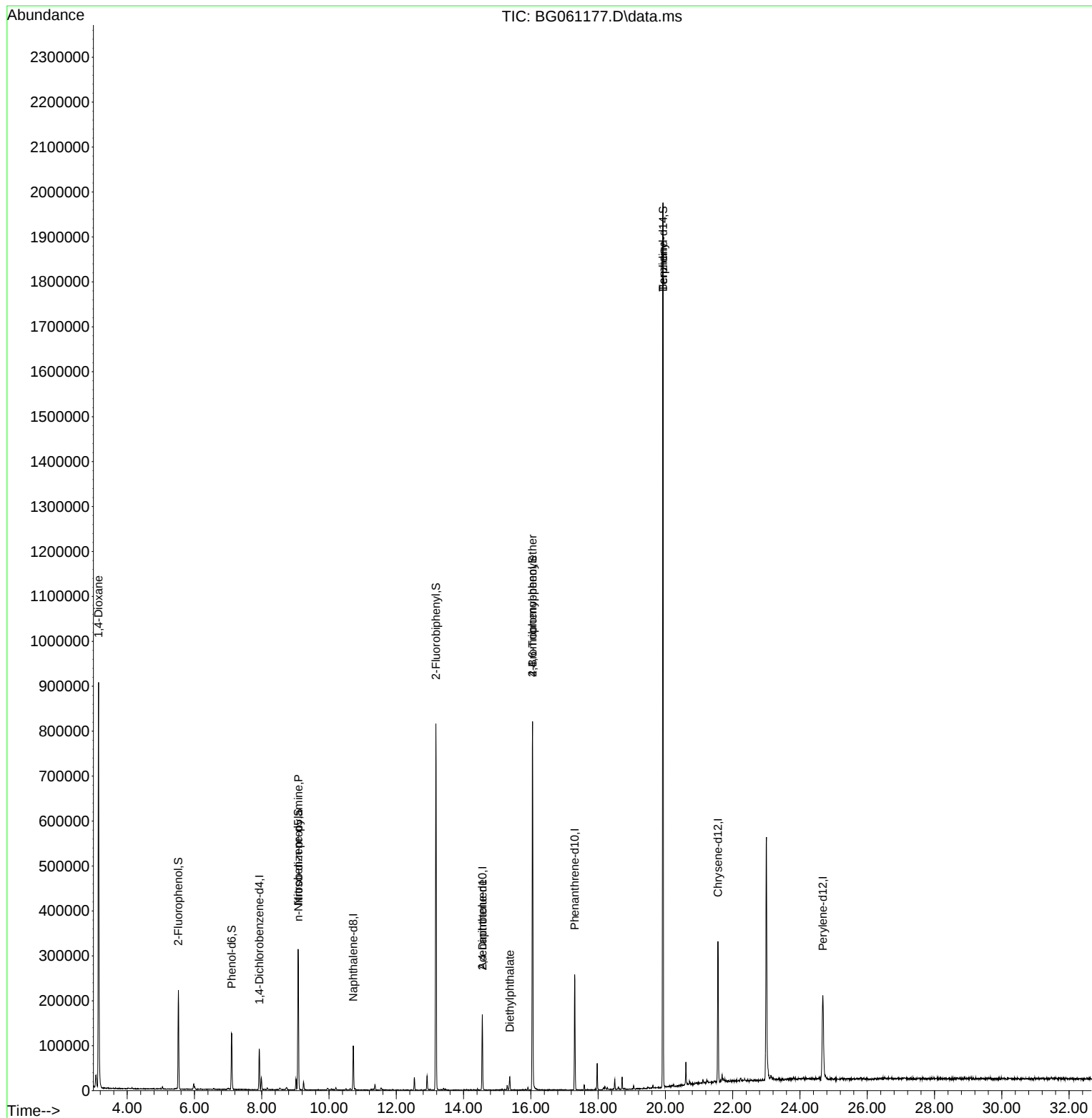
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.926	152	22886	20.000	ng	-0.04
21) Naphthalene-d8	10.722	136	75742	20.000	ng	#-0.04
39) Acenaphthene-d10	14.559	164	62302	20.000	ng	-0.03
64) Phenanthrene-d10	17.303	188	168711	20.000	ng	#-0.03
76) Chrysene-d12	21.563	240	194826	20.000	ng	-0.03
86) Perylene-d12	24.682	264	223934	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	74983	66.633	ng	-0.02
7) Phenol-d6	7.103	99	56460	33.916	ng	-0.03
23) Nitrobenzene-d5	9.083	82	157946	103.374	ng	-0.04
42) 2,4,6-Tribromophenol	16.051	330	183422	147.290	ng	-0.02
45) 2-Fluorobiphenyl	13.178	172	416612	98.881	ng	-0.03
79) Terphenyl-d14	19.929	244	1101580	94.037	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.149	88	6775	14.890	ng	# 1
9) Benzaldehyde	7.068	77	59	Below Cal		# 3
19) n-Nitroso-di-n-propyla...	9.089	70	24446	19.623	ng	# 57
57) 2,4-Dinitrotoluene	14.559	165	8188	5.377	ng	# 17
60) Diethylphthalate	15.376	149	14770	3.044	ng	# 90
67) 4-Bromophenyl-phenylether	16.051	248	11763	5.919	ng	# 1
77) Benizidine	19.929	184	16870	7.081	ng	# 93

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

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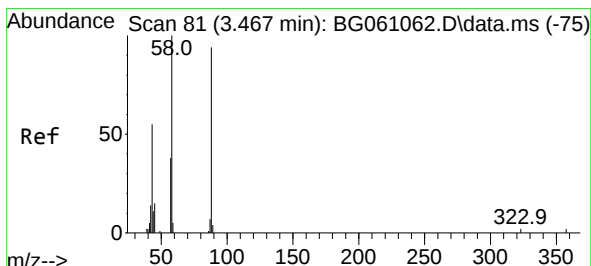
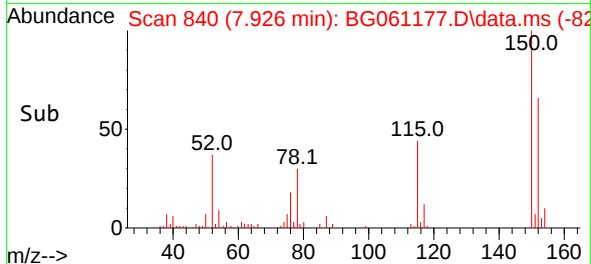
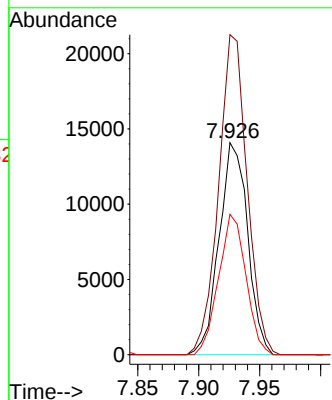
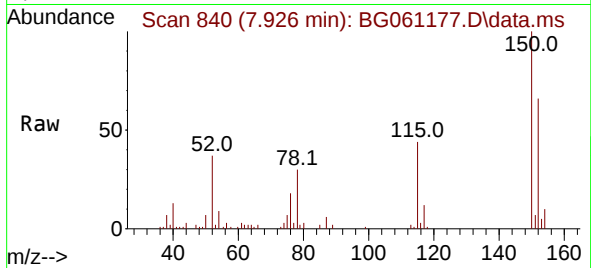




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.926 min Scan# 84
Delta R.T. -0.035 min
Lab File: BG061177.D
Acq: 13 May 2024 16:05

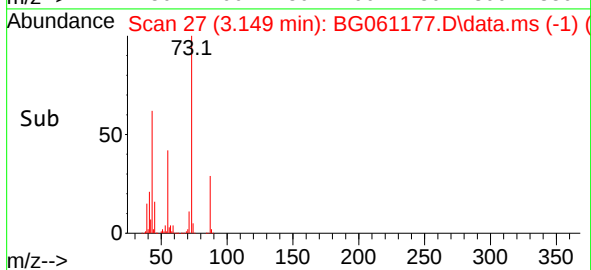
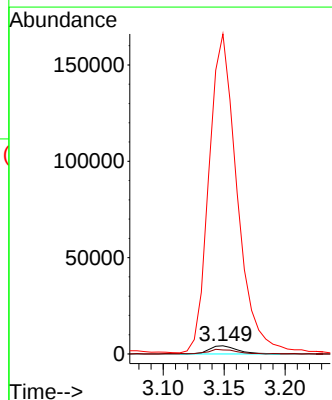
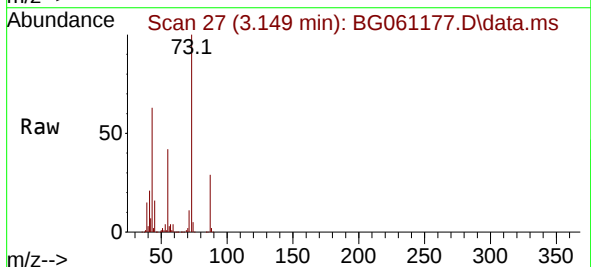
Instrument :
BNA_G
ClientSampleId :
1011UMR-RB240508-01

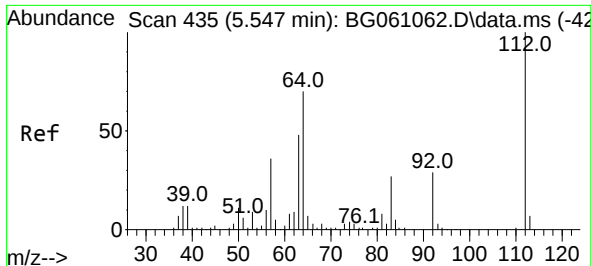
Tgt Ion:152 Resp: 22886
Ion Ratio Lower Upper
152 100
150 150.9 138.3 207.5
115 66.2 48.0 72.0



#2
1,4-Dioxane
Concen: 14.890 ng
RT: 3.149 min Scan# 27
Delta R.T. -0.318 min
Lab File: BG061177.D
Acq: 13 May 2024 16:05

Tgt Ion: 88 Resp: 6775
Ion Ratio Lower Upper
88 100
58 54.3 81.2 121.8#
43 3951.1 45.0 67.4#

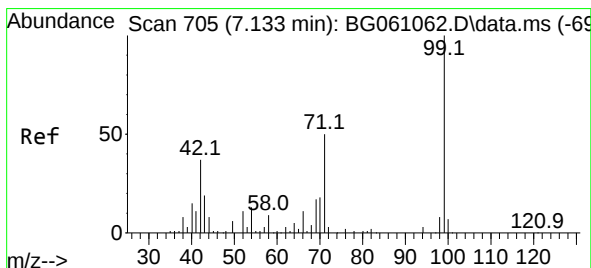
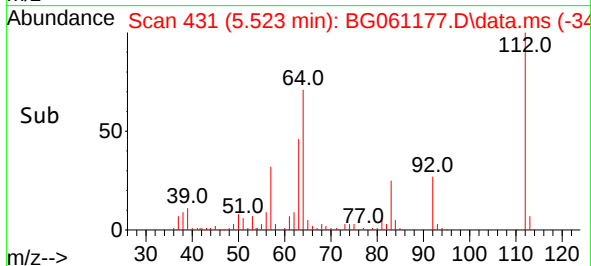
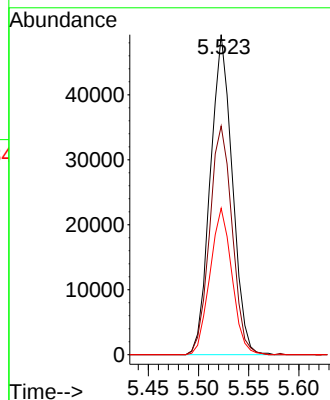
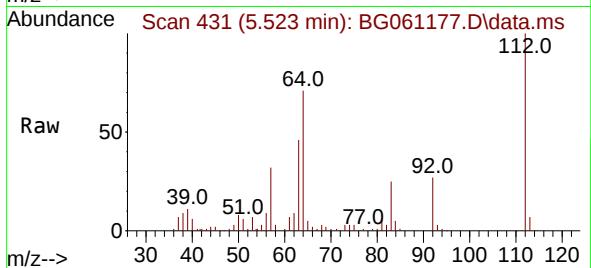




#5
2-Fluorophenol
Concen: 66.633 ng
RT: 5.523 min Scan# 41
Delta R.T. -0.024 min
Lab File: BG061177.D
Acq: 13 May 2024 16:05

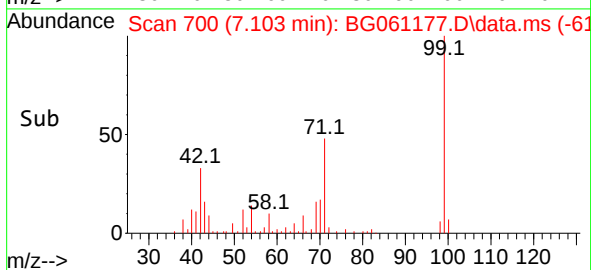
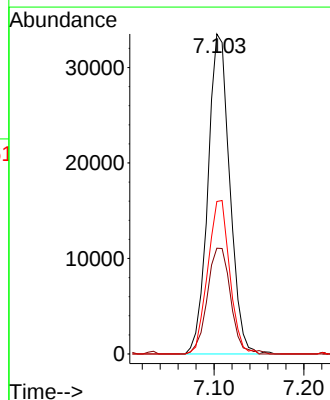
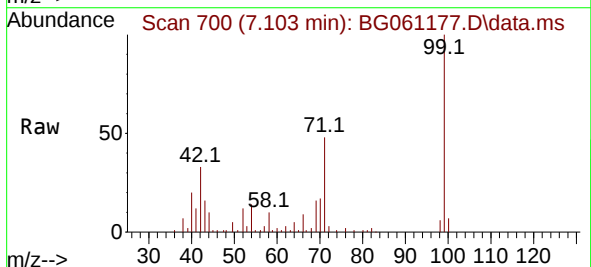
Instrument :
BNA_G
ClientSampleId :
1011UMR-RB240508-01

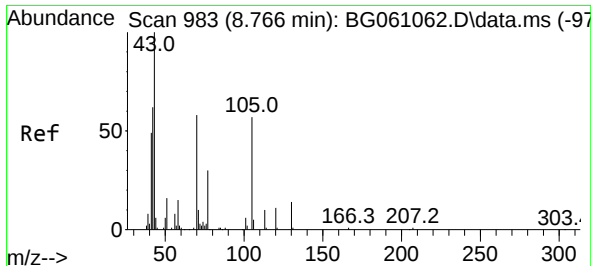
Tgt Ion:112 Resp: 74983
Ion Ratio Lower Upper
112 100
64 71.5 55.7 83.5
63 45.8 38.1 57.1



#7
Phenol-d6
Concen: 33.916 ng
RT: 7.103 min Scan# 700
Delta R.T. -0.030 min
Lab File: BG061177.D
Acq: 13 May 2024 16:05

Tgt Ion: 99 Resp: 56460
Ion Ratio Lower Upper
99 100
42 33.0 29.2 43.8
71 47.7 39.7 59.5

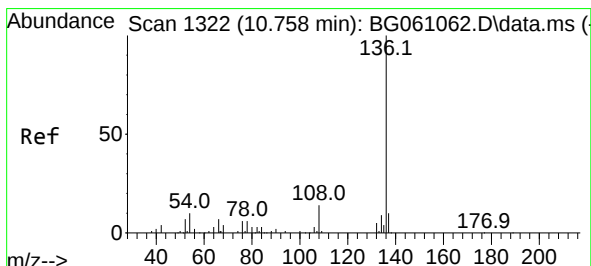
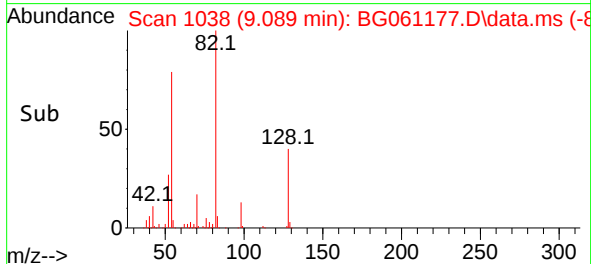
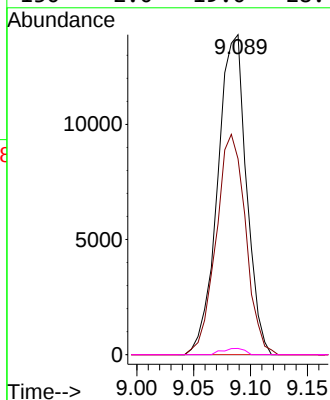
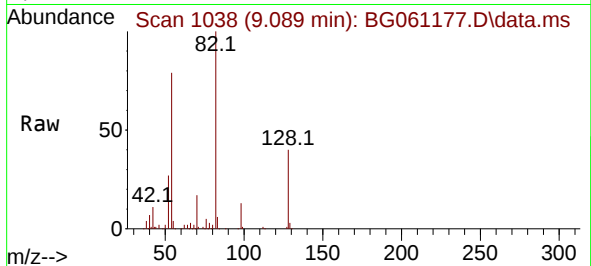




#19
n-Nitroso-di-n-propylamine
Concen: 19.623 ng
RT: 9.089 min Scan# 1010
Delta R.T. 0.323 min
Lab File: BG061177.D
Acq: 13 May 2024 16:05

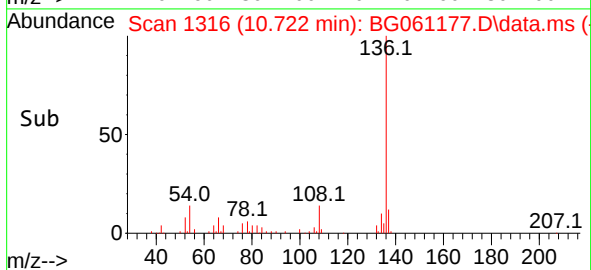
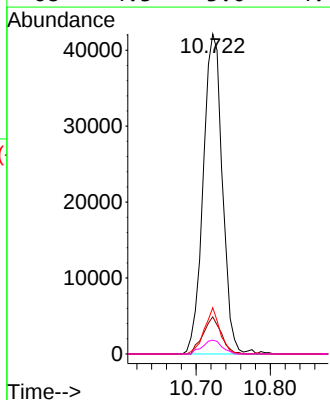
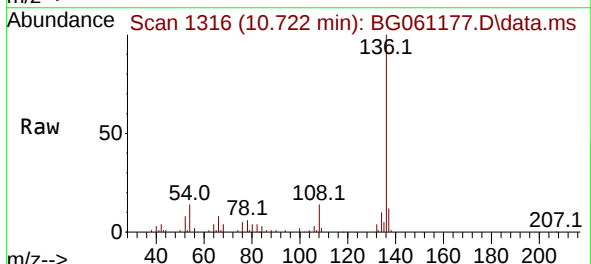
Instrument :
BNA_G
ClientSampleId :
1011UMR-RB240508-01

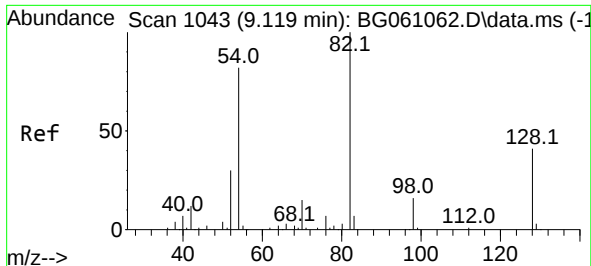
Tgt Ion: 70 Resp: 24446
Ion Ratio Lower Upper
70 100
42 61.2 86.4 129.6#
101 0.0 7.8 11.8#
130 2.0 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1316
Delta R.T. -0.036 min
Lab File: BG061177.D
Acq: 13 May 2024 16:05

Tgt Ion: 136 Resp: 75742
Ion Ratio Lower Upper
136 100
137 11.6 7.8 11.6
54 14.5 8.1 12.1#
68 4.3 3.0 4.4





#23

Nitrobenzene-d5

Concen: 103.374 ng

RT: 9.083 min Scan# 1

Delta R.T. -0.036 min

Lab File: BG061177.D

Acq: 13 May 2024 16:05

Instrument :

BNA_G

ClientSampleId :

1011UMR-RB240508-01

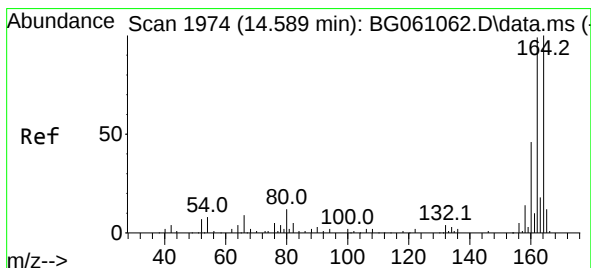
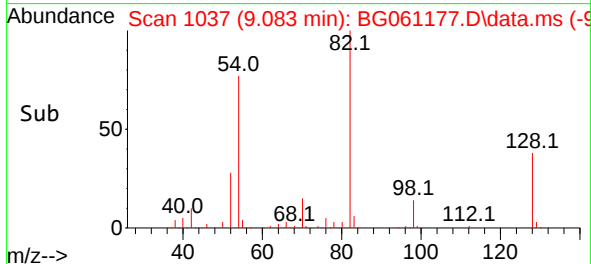
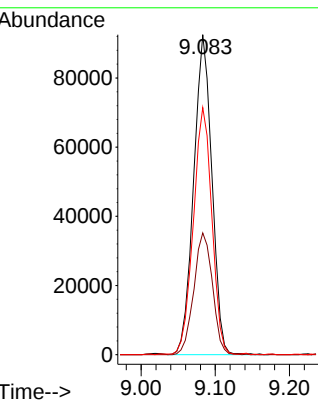
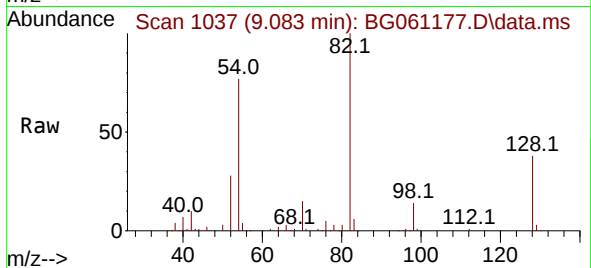
Tgt Ion: 82 Resp: 157946

Ion Ratio Lower Upper

82 100

128 38.0 32.7 49.1

54 77.2 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.559 min Scan# 1969

Delta R.T. -0.030 min

Lab File: BG061177.D

Acq: 13 May 2024 16:05

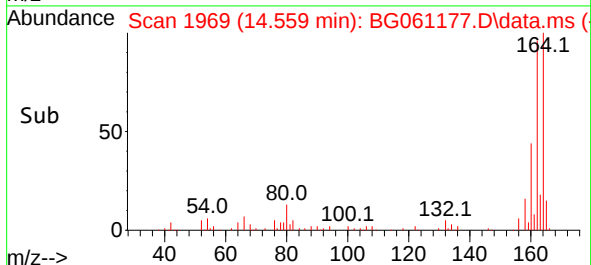
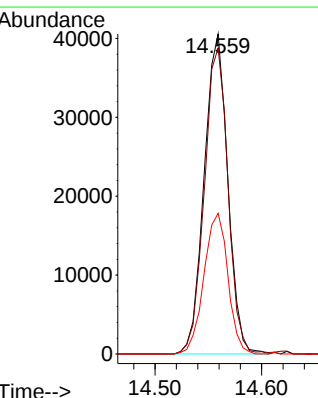
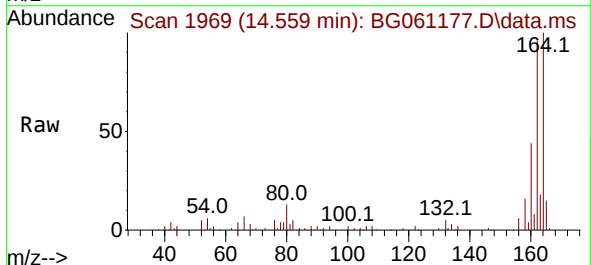
Tgt Ion:164 Resp: 62302

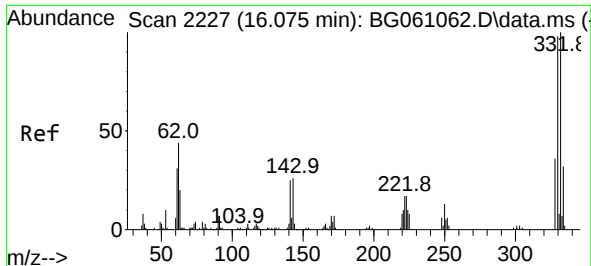
Ion Ratio Lower Upper

164 100

162 95.7 79.4 119.2

160 43.9 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 147.290 ng

RT: 16.051 min Scan# 21

Delta R.T. -0.024 min

Lab File: BG061177.D

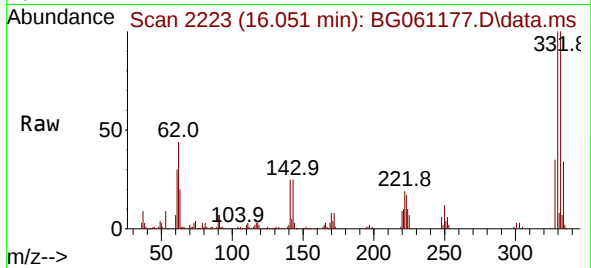
Acq: 13 May 2024 16:05

Instrument :

BNA_G

ClientSampleId :

1011UMR-RB240508-01



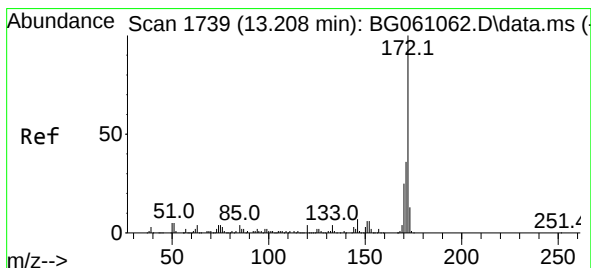
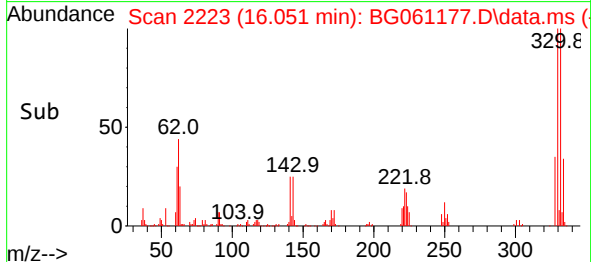
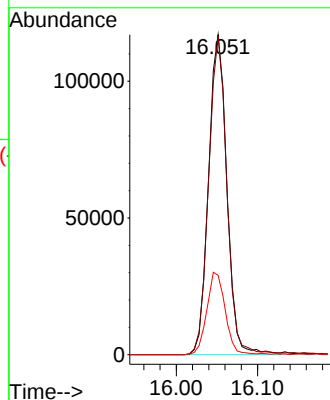
Tgt Ion:330 Resp: 183422

Ion Ratio Lower Upper

330 100

332 98.7 78.6 117.8

141 25.7 20.5 30.7



#45

2-Fluorobiphenyl

Concen: 98.881 ng

RT: 13.178 min Scan# 1734

Delta R.T. -0.030 min

Lab File: BG061177.D

Acq: 13 May 2024 16:05

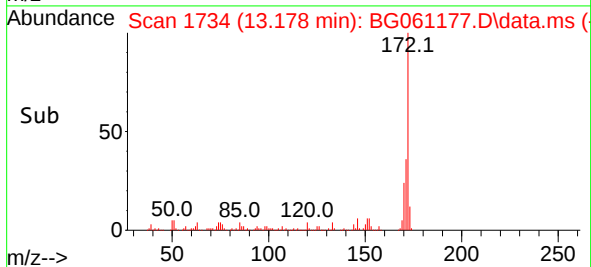
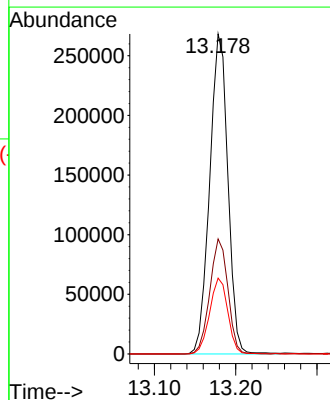
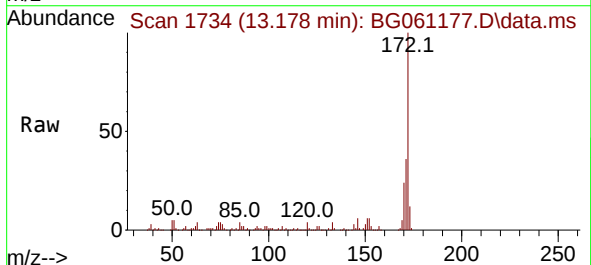
Tgt Ion:172 Resp: 416612

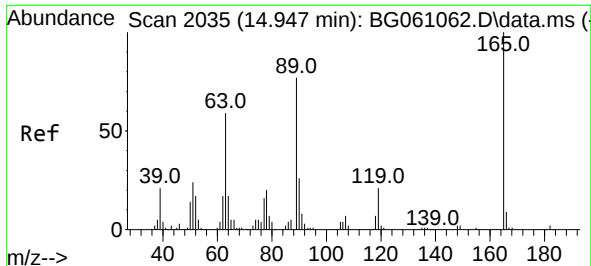
Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.6

170 23.7 20.2 30.4





#57

2,4-Dinitrotoluene

Concen: 5.377 ng

RT: 14.559 min Scan# 1969

Delta R.T. -0.388 min

Lab File: BG061177.D

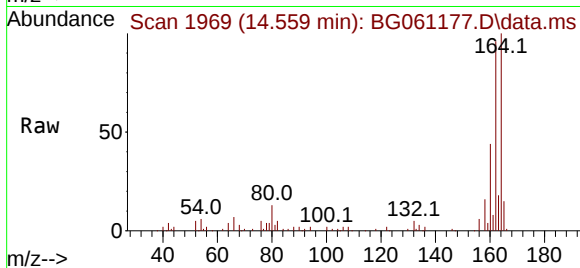
Acq: 13 May 2024 16:05

Instrument :

BNA_G

ClientSampleId :

1011UMR-RB240508-01



Tgt Ion:165 Resp: 8188

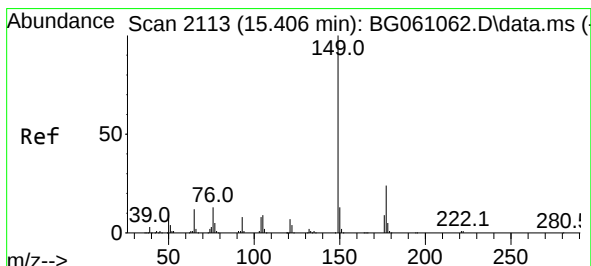
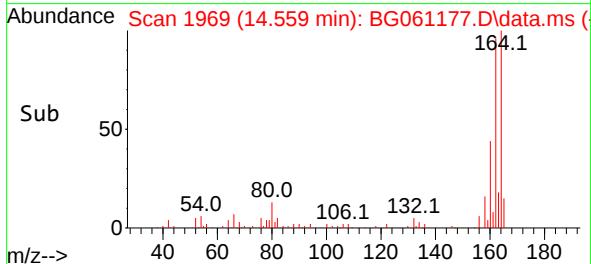
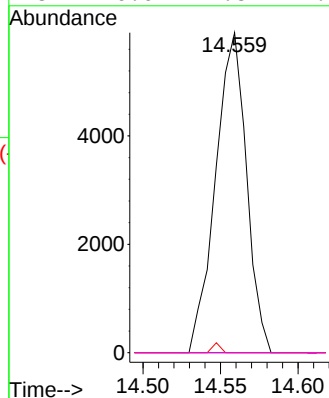
Ion Ratio Lower Upper

165 100

63 0.0 47.3 70.9#

89 0.0 61.8 92.8#

182 0.0 1.8 2.6#



#60

Diethylphthalate

Concen: 3.044 ng

RT: 15.376 min Scan# 2108

Delta R.T. -0.030 min

Lab File: BG061177.D

Acq: 13 May 2024 16:05

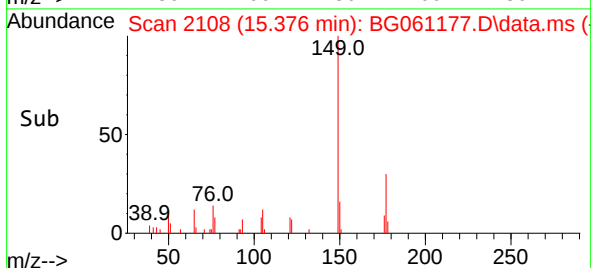
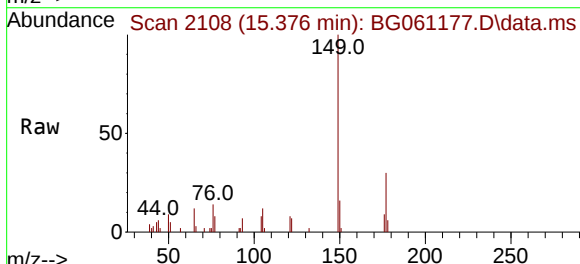
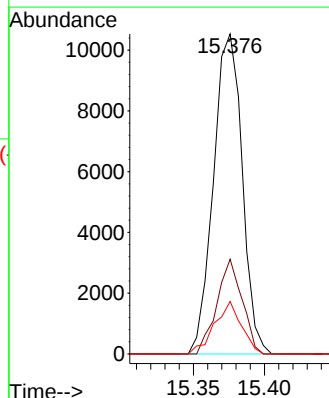
Tgt Ion:149 Resp: 14770

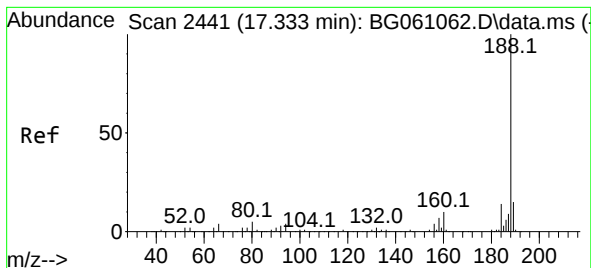
Ion Ratio Lower Upper

149 100

177 29.6 19.1 28.7#

150 16.4 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.303 min Scan# 2441

Delta R.T. -0.030 min

Lab File: BG061177.D

Acq: 13 May 2024 16:05

Instrument :

BNA_G

ClientSampleId :

1011UMR-RB240508-01

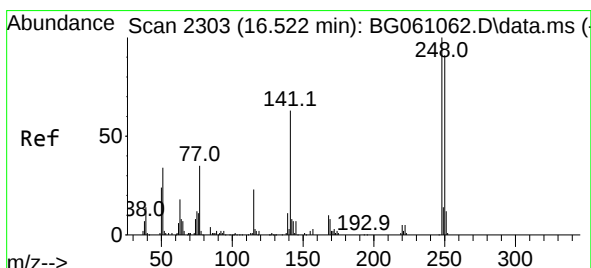
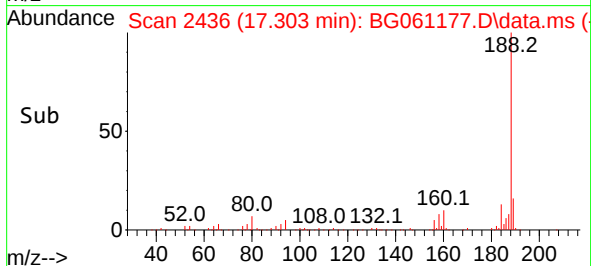
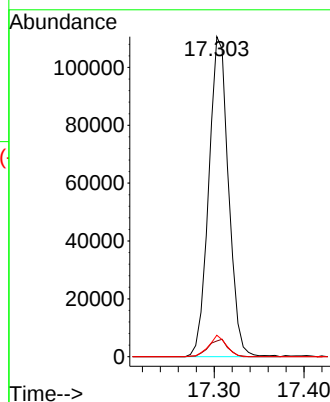
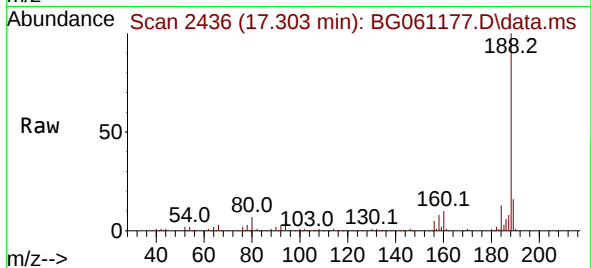
Tgt Ion:188 Resp: 168711

Ion Ratio Lower Upper

188 100

94 4.9 3.6 5.4

80 6.7 4.2 6.2#



#67

4-Bromophenyl-phenylether

Concen: 5.919 ng

RT: 16.051 min Scan# 2223

Delta R.T. -0.471 min

Lab File: BG061177.D

Acq: 13 May 2024 16:05

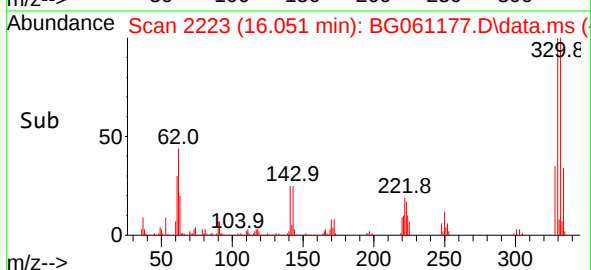
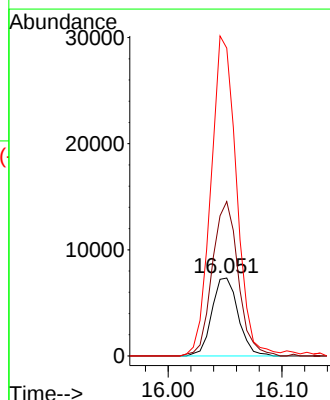
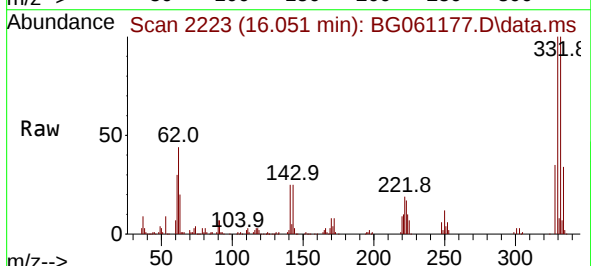
Tgt Ion:248 Resp: 11763

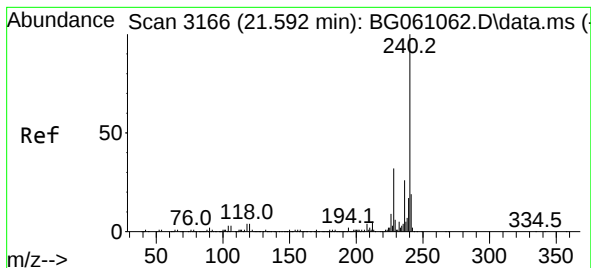
Ion Ratio Lower Upper

248 100

250 198.2 73.0 109.4#

141 395.0 50.8 76.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.563 min Scan# 3161

Delta R.T. -0.030 min

Lab File: BG061177.D

Acq: 13 May 2024 16:05

Instrument :

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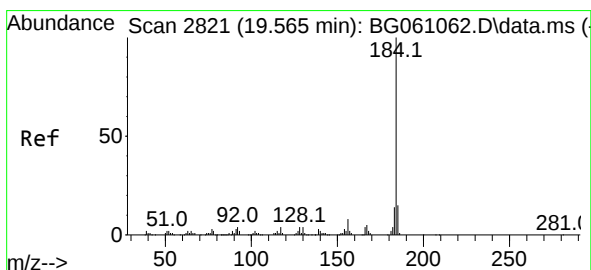
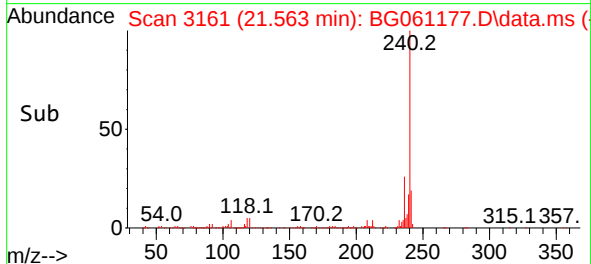
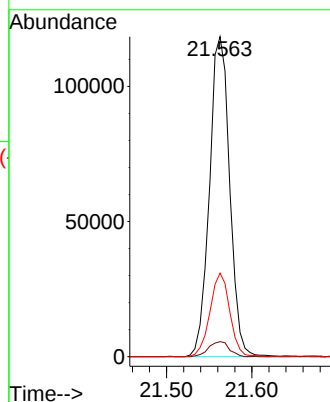
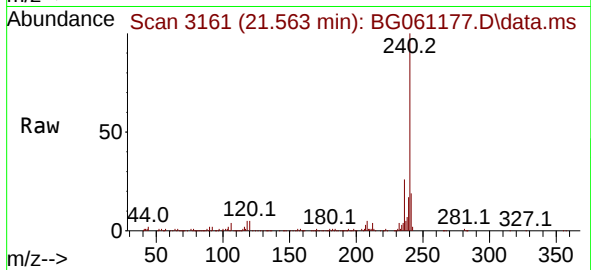
Tgt Ion:240 Resp: 194826

Ion Ratio Lower Upper

240 100

120 4.7 3.2 4.8

236 26.1 21.0 31.6



#77

Benzidine

Concen: 7.081 ng

RT: 19.929 min Scan# 2883

Delta R.T. 0.364 min

Lab File: BG061177.D

Acq: 13 May 2024 16:05

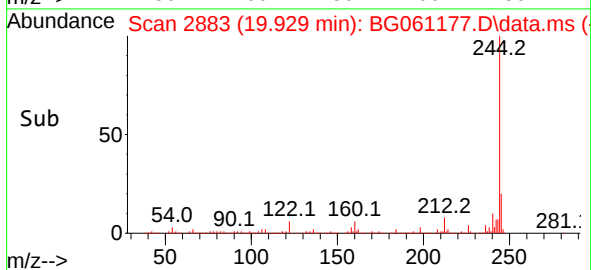
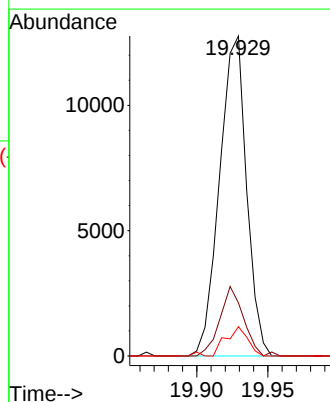
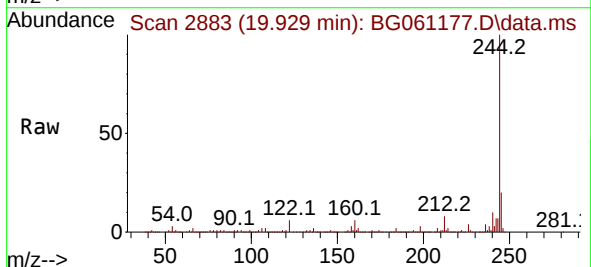
Tgt Ion:184 Resp: 16870

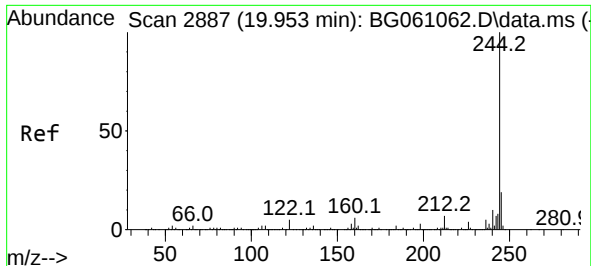
Ion Ratio Lower Upper

184 100

185 16.6 12.0 18.0

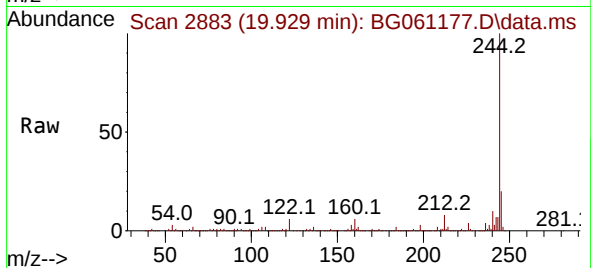
183 9.1 10.9 16.3#



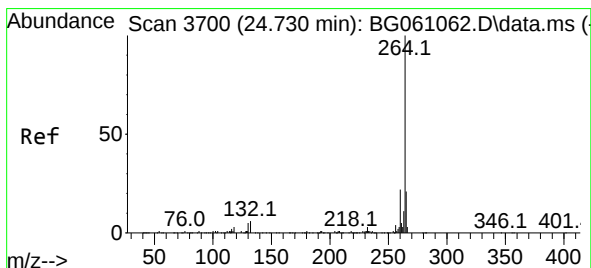
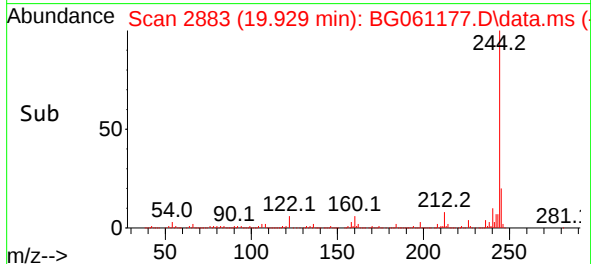
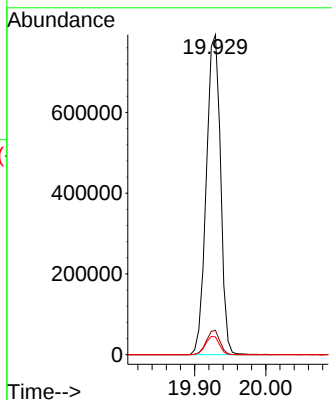


#79
Terphenyl-d14
Concen: 94.037 ng
RT: 19.929 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG061177.D
Acq: 13 May 2024 16:05

Instrument :
BNA_G
ClientSampleId :
1011UMR-RB240508-01



Tgt Ion:244 Resp: 1101580
Ion Ratio Lower Upper
244 100
212 7.6 5.7 8.5
122 5.5 4.2 6.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.682 min Scan# 3692
Delta R.T. -0.047 min
Lab File: BG061177.D
Acq: 13 May 2024 16:05

Tgt Ion:264 Resp: 223934
Ion Ratio Lower Upper
264 100
260 24.8 17.7 26.5
265 22.6 16.4 24.6

