

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050724\
 Data File : BG061133.D
 Acq On : 7 May 2024 15:49
 Operator : MA/JU
 Sample : P2395-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-INSIDE-GATE

Quant Time: May 07 16:27:40 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)

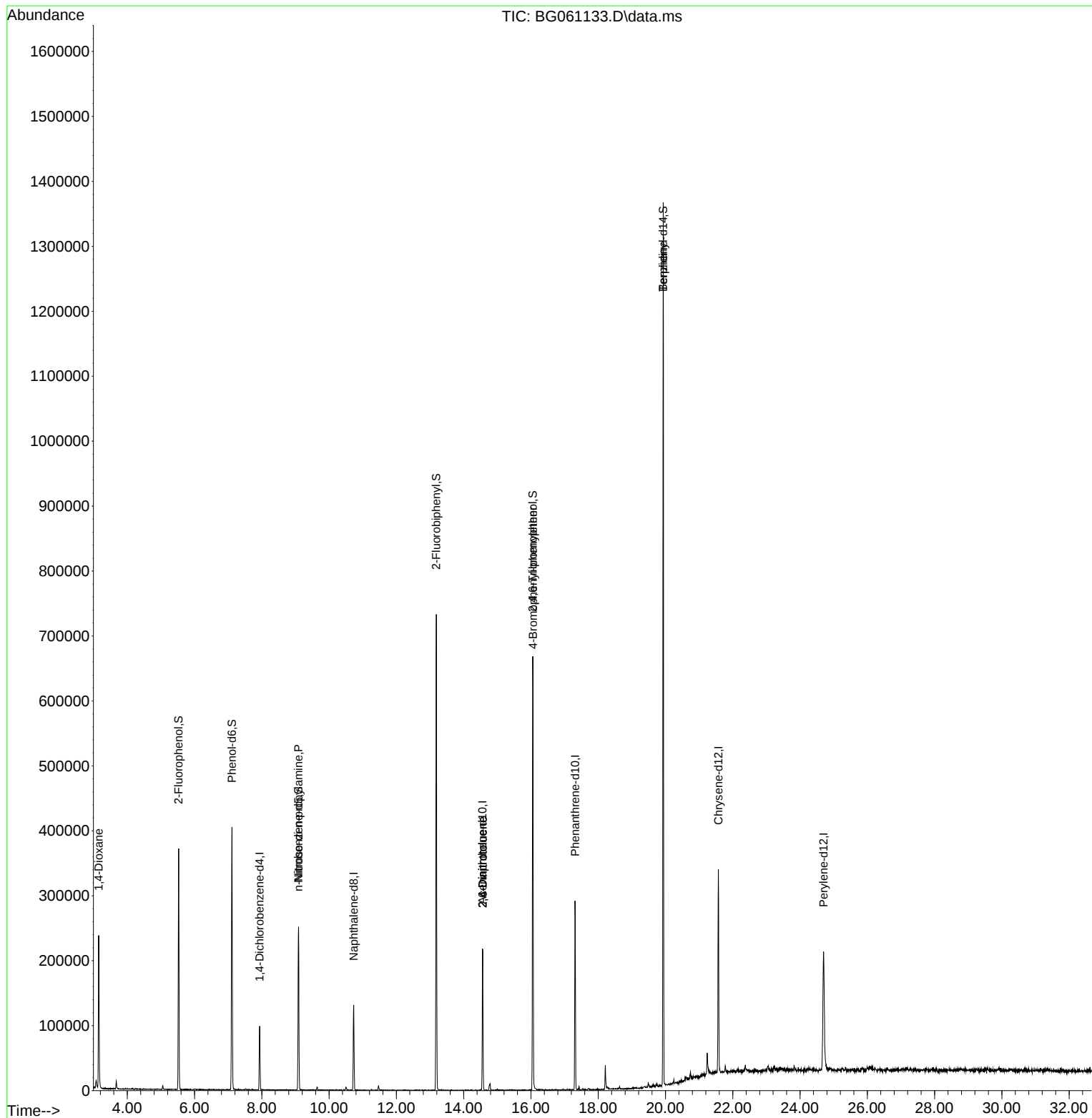
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	24951	20.000	ng	-0.03
21) Naphthalene-d8	10.732	136	101379	20.000	ng	#-0.03
39) Acenaphthene-d10	14.563	164	82443	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	191751	20.000	ng	-0.02
76) Chrysene-d12	21.572	240	187190	20.000	ng	-0.02
86) Perylene-d12	24.698	264	225398	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	127815	104.181	ng	-0.02
7) Phenol-d6	7.113	99	181612	100.067	ng	-0.02
23) Nitrobenzene-d5	9.093	82	127476	62.333	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	149760	90.880	ng	-0.02
45) 2-Fluorobiphenyl	13.188	172	365633	65.581	ng	-0.02
79) Terphenyl-d14	19.933	244	689862	61.293	ng	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.152	88	1993	4.018	ng	# 1
9) Benzaldehyde	7.107	77	493	Below Cal		# 3
19) n-Nitroso-di-n-propyla...	9.087	70	19218	14.149	ng	# 60
51) 2,6-Dinitrotoluene	14.569	165	10843	7.961	ng	# 17
57) 2,4-Dinitrotoluene	14.569	165	10843	5.381	ng	# 19
67) 4-Bromophenyl-phenylether	16.061	248	9493	4.203	ng	# 1
77) Benzydine	19.933	184	10742	5.635	ng	# 84

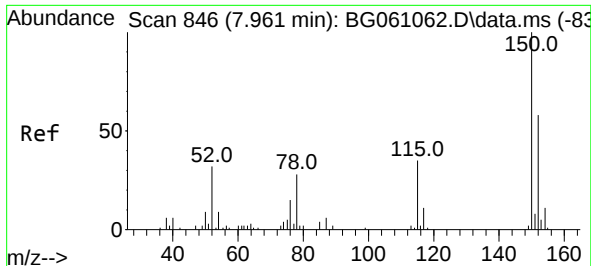
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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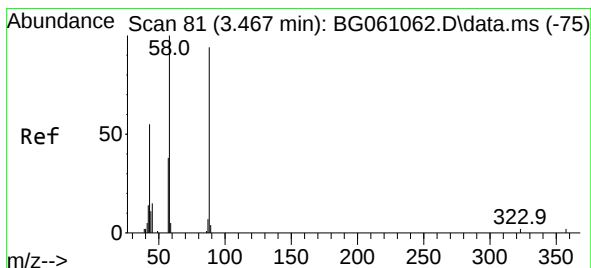
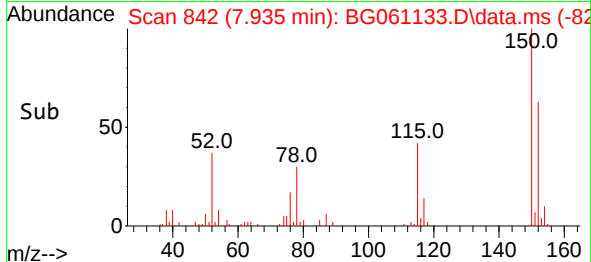
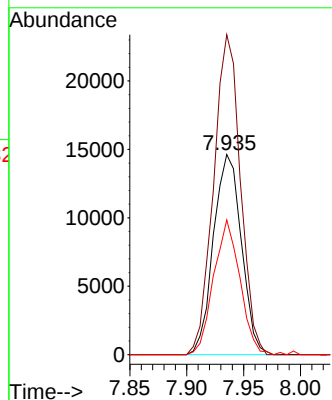
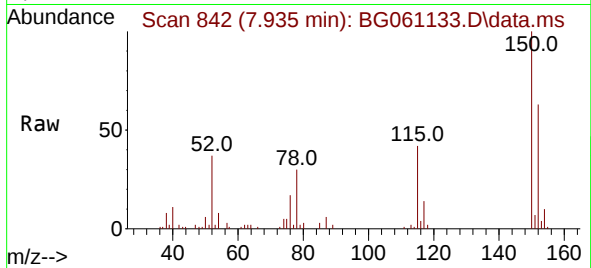




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 84
Delta R.T. -0.026 min
Lab File: BG061133.D
Acq: 7 May 2024 15:49

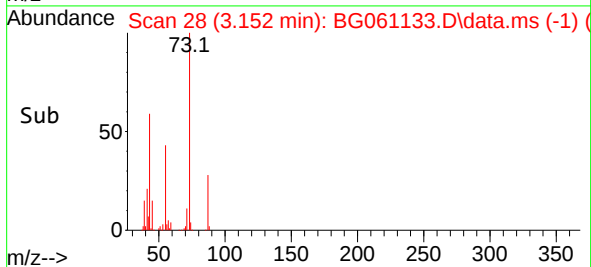
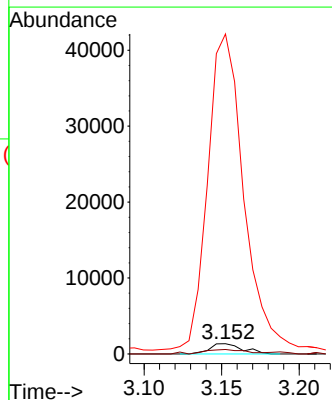
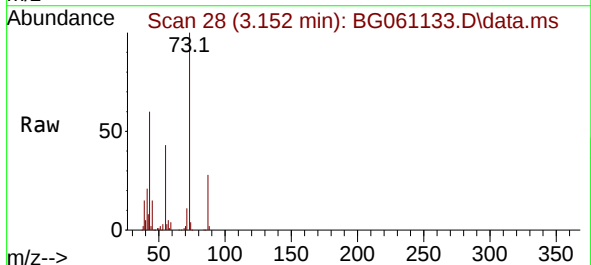
Instrument :
BNA_G
ClientSampleId :
SP-INSIDE-GATE

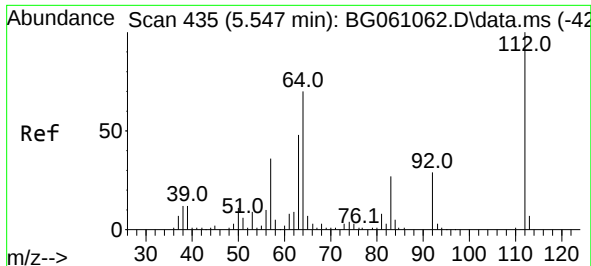
Tgt Ion:152 Resp: 24951
Ion Ratio Lower Upper
152 100
150 159.9 138.3 207.5
115 67.3 48.0 72.0



#2
1,4-Dioxane
Concen: 4.018 ng
RT: 3.152 min Scan# 28
Delta R.T. -0.314 min
Lab File: BG061133.D
Acq: 7 May 2024 15:49

Tgt Ion: 88 Resp: 1993
Ion Ratio Lower Upper
88 100
58 57.0 81.2 121.8#
43 3388.6 45.0 67.4#

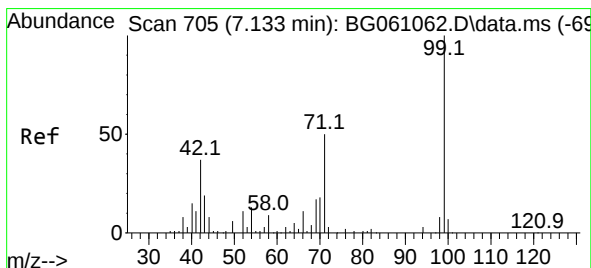
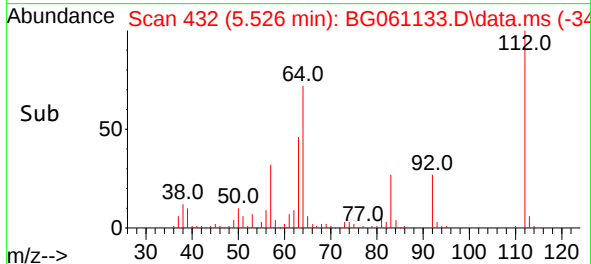
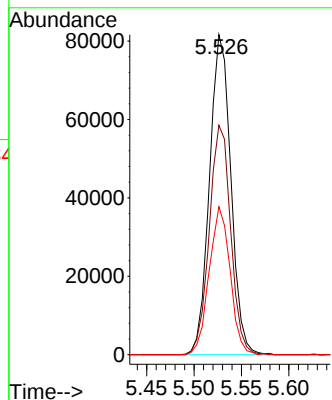
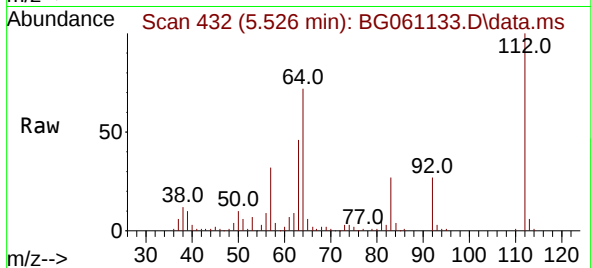




#5
2-Fluorophenol
Concen: 104.181 ng
RT: 5.526 min Scan# 41
Delta R.T. -0.020 min
Lab File: BG061133.D
Acq: 7 May 2024 15:49

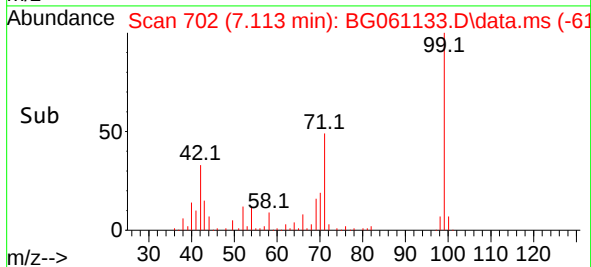
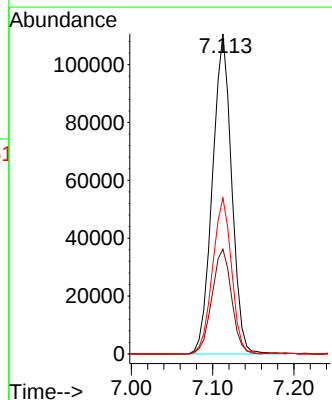
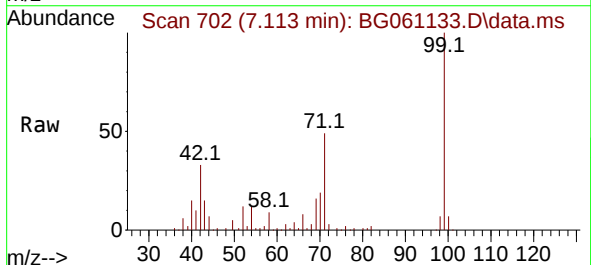
Instrument :
BNA_G
ClientSampleId :
SP-INSIDE-GATE

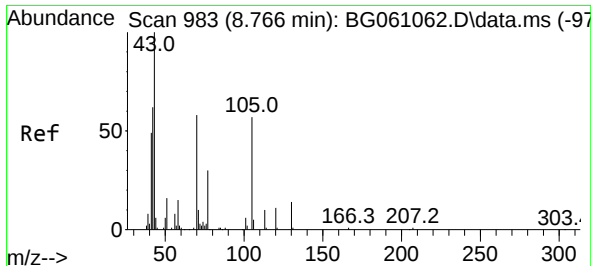
Tgt Ion:112 Resp: 127815
Ion Ratio Lower Upper
112 100
64 71.7 55.7 83.5
63 46.2 38.1 57.1



#7
Phenol-d6
Concen: 100.067 ng
RT: 7.113 min Scan# 702
Delta R.T. -0.020 min
Lab File: BG061133.D
Acq: 7 May 2024 15:49

Tgt Ion: 99 Resp: 181612
Ion Ratio Lower Upper
99 100
42 32.7 29.2 43.8
71 48.7 39.7 59.5





#19

n-Nitroso-di-n-propylamine

Concen: 14.149 ng

RT: 9.087 min Scan# 1038

Delta R.T. 0.320 min

Lab File: BG061133.D

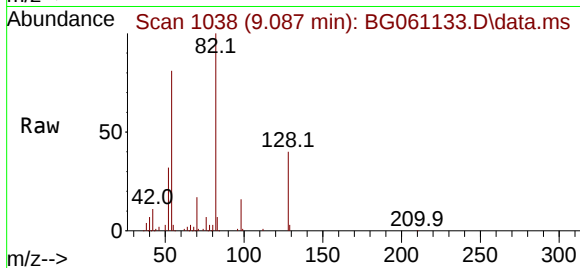
Acq: 7 May 2024 15:49

Instrument :

BNA_G

ClientSampleId :

SP-INSIDE-GATE



Tgt Ion: 70 Resp: 19218

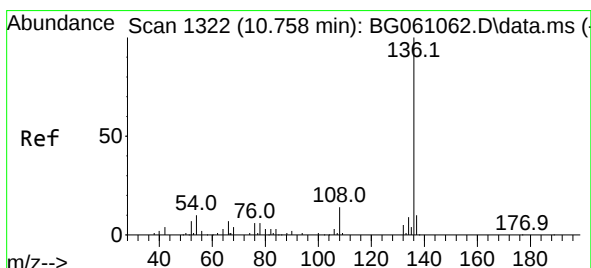
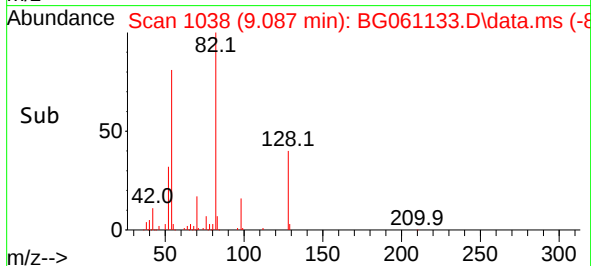
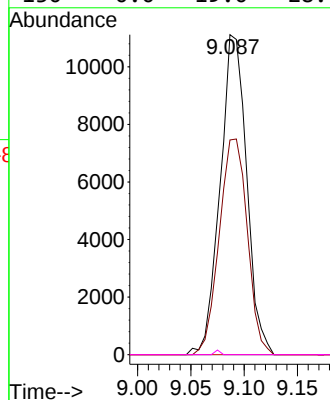
Ion Ratio Lower Upper

70 100

42 67.1 86.4 129.6#

101 0.0 7.8 11.8#

130 0.0 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.732 min Scan# 1318

Delta R.T. -0.026 min

Lab File: BG061133.D

Acq: 7 May 2024 15:49

Tgt Ion: 136 Resp: 101379

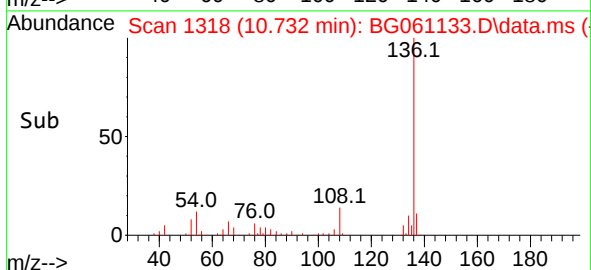
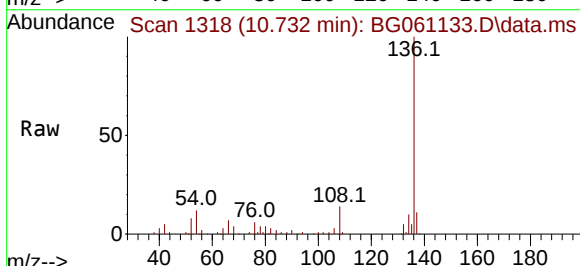
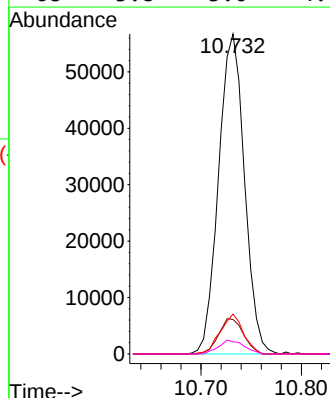
Ion Ratio Lower Upper

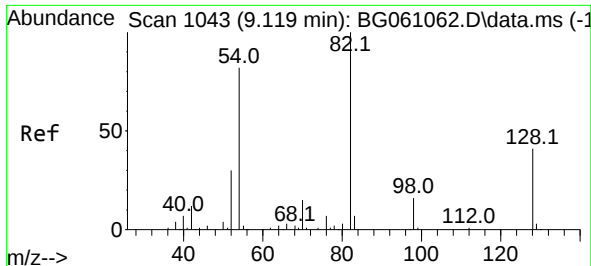
136 100

137 10.8 7.8 11.6

54 12.5 8.1 12.1#

68 3.8 3.0 4.4





#23

Nitrobenzene-d5

Concen: 62.333 ng

RT: 9.093 min Scan# 1043

Delta R.T. -0.026 min

Lab File: BG061133.D

Acq: 7 May 2024 15:49

Instrument :

BNA_G

ClientSampleId :

SP-INSIDE-GATE

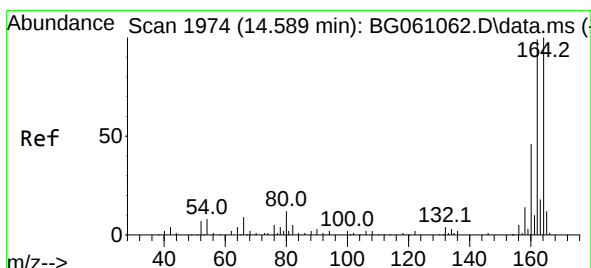
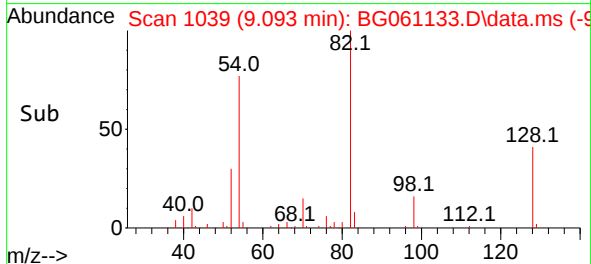
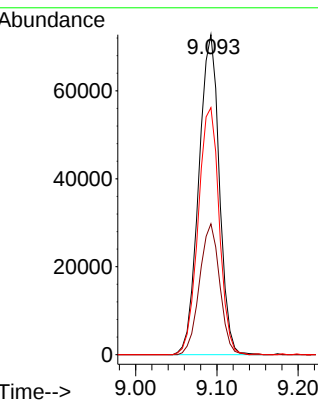
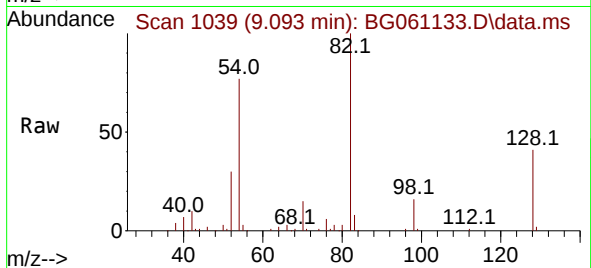
Tgt Ion: 82 Resp: 127476

Ion Ratio Lower Upper

82 100

128 40.9 32.7 49.1

54 77.2 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: BG061133.D

Acq: 7 May 2024 15:49

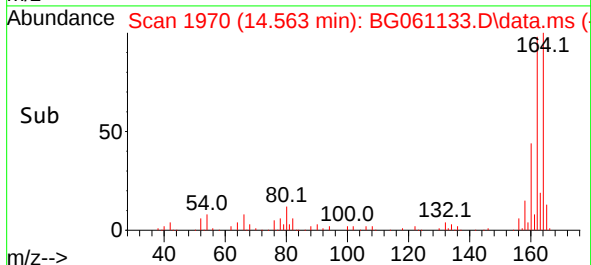
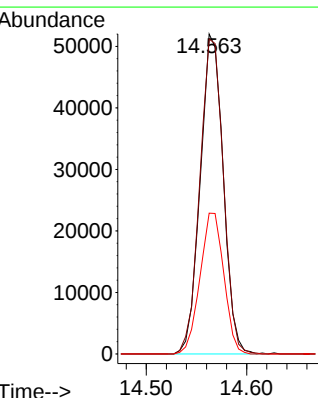
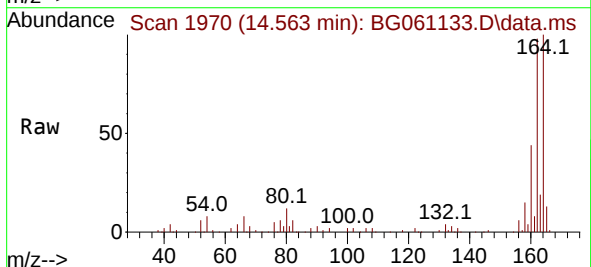
Tgt Ion:164 Resp: 82443

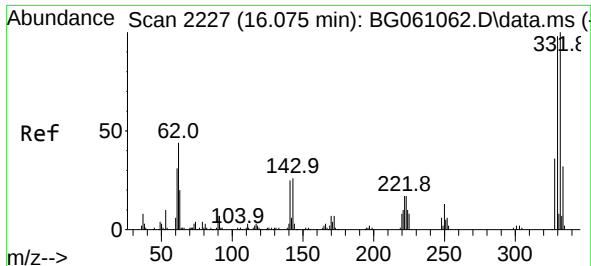
Ion Ratio Lower Upper

164 100

162 98.4 79.4 119.2

160 44.0 37.0 55.6

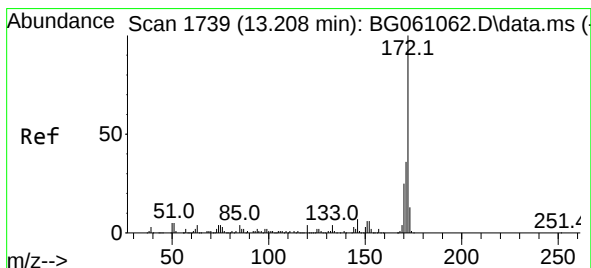
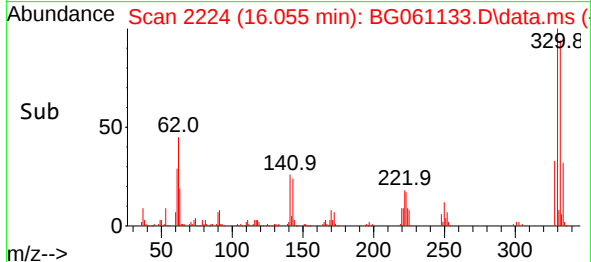
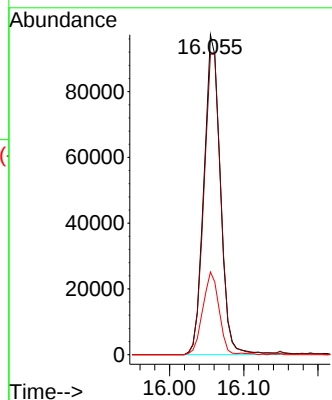
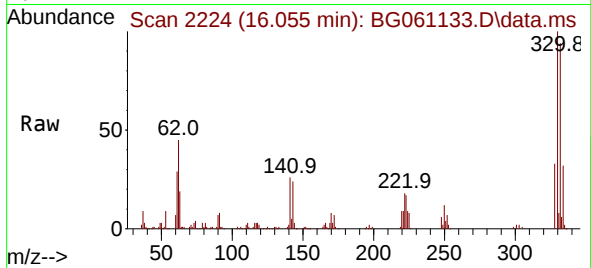




#42
2,4,6-Tribromophenol
Concen: 90.880 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061133.D
Acq: 7 May 2024 15:49

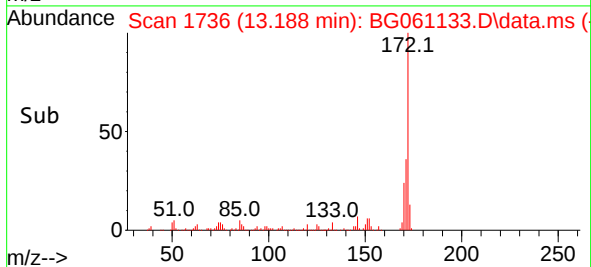
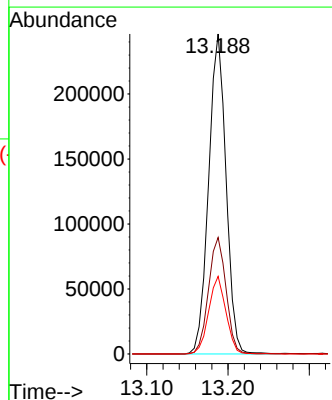
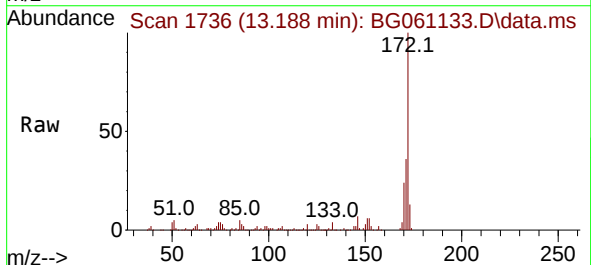
Instrument :
BNA_G
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SP-INSIDE-GATE

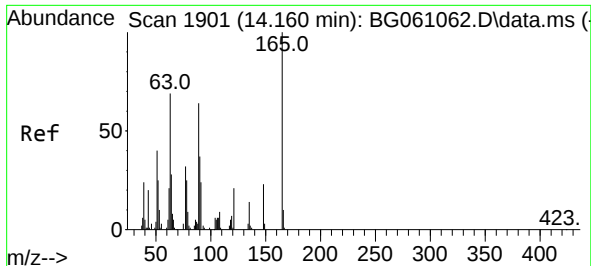
Tgt Ion:330 Resp: 149760
Ion Ratio Lower Upper
330 100
332 97.4 78.6 117.8
141 25.3 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 65.581 ng
RT: 13.188 min Scan# 1736
Delta R.T. -0.020 min
Lab File: BG061133.D
Acq: 7 May 2024 15:49

Tgt Ion:172 Resp: 365633
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 24.2 20.2 30.4

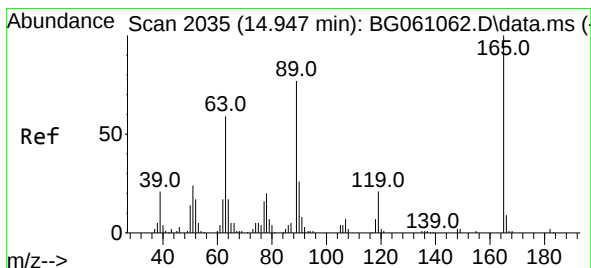
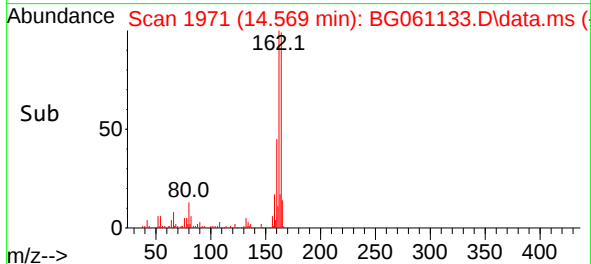
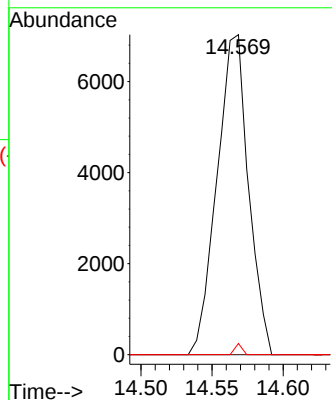
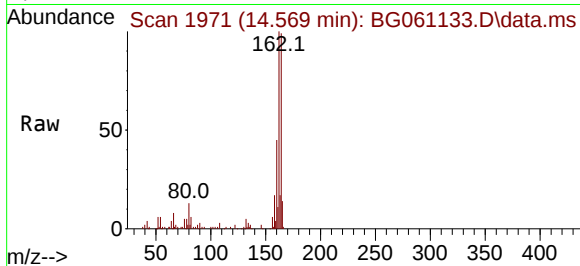




#51
2,6-Dinitrotoluene
Concen: 7.961 ng
RT: 14.569 min Scan# 1901
Delta R.T. 0.409 min
Lab File: BG061133.D
Acq: 7 May 2024 15:49

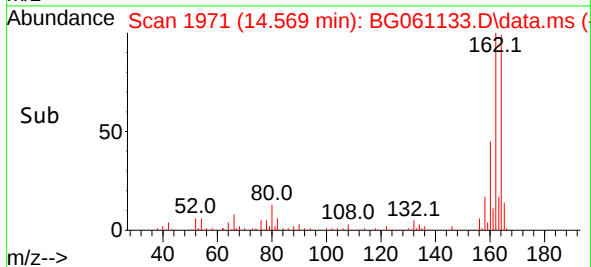
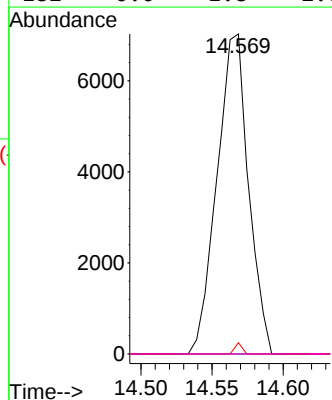
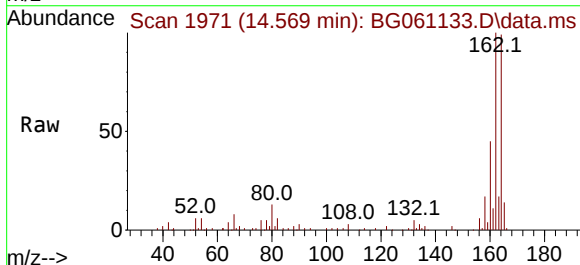
Instrument :
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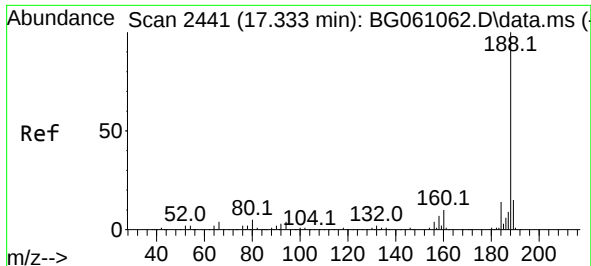
Tgt Ion:165 Resp: 10843
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 3.5 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.381 ng
RT: 14.569 min Scan# 1971
Delta R.T. -0.379 min
Lab File: BG061133.D
Acq: 7 May 2024 15:49

Tgt Ion:165 Resp: 10843
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 3.5 61.8 92.8#
182 0.0 1.8 2.6#

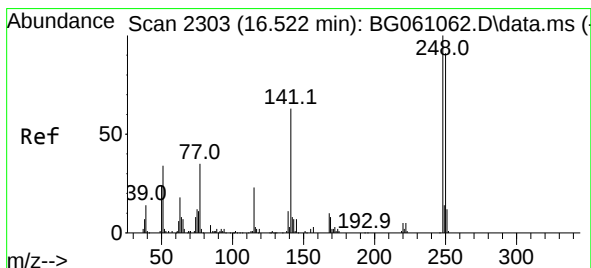
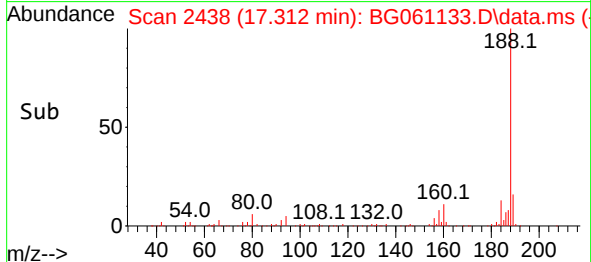
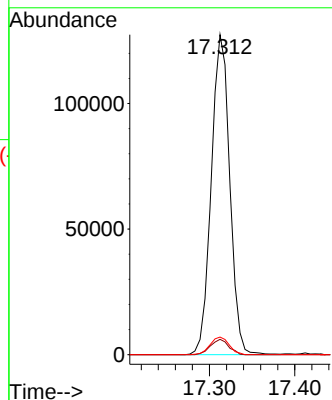
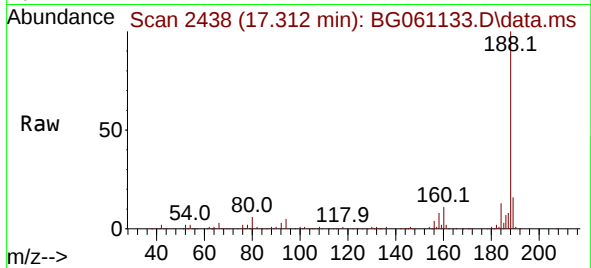




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2441
Delta R.T. -0.020 min
Lab File: BG061133.D
Acq: 7 May 2024 15:49

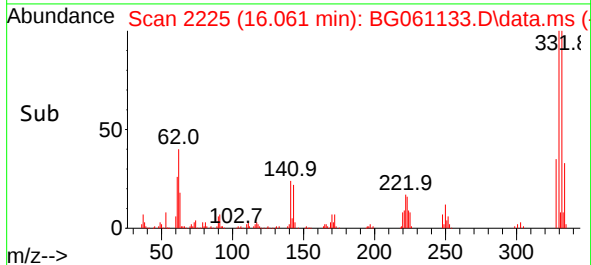
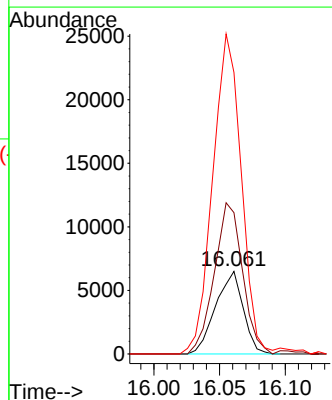
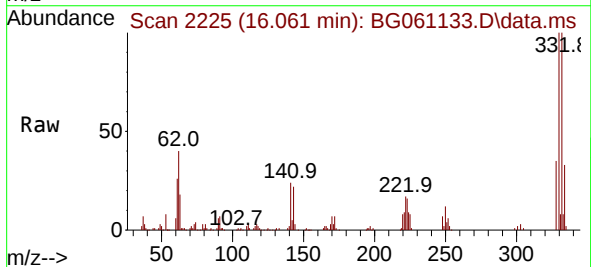
Instrument :
BNA_G
ClientSampleId :
SP-INSIDE-GATE

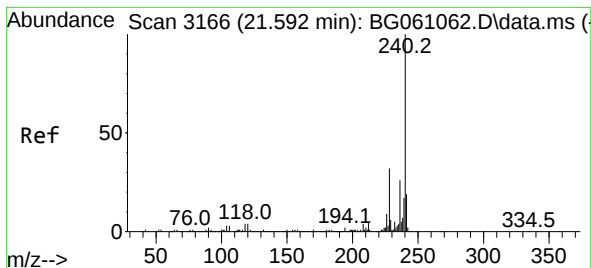
Tgt Ion:188 Resp: 191751
Ion Ratio Lower Upper
188 100
94 4.8 3.6 5.4
80 5.5 4.2 6.2



#67
4-Bromophenyl-phenylether
Concen: 4.203 ng
RT: 16.061 min Scan# 2225
Delta R.T. -0.461 min
Lab File: BG061133.D
Acq: 7 May 2024 15:49

Tgt Ion:248 Resp: 9493
Ion Ratio Lower Upper
248 100
250 171.1 73.0 109.4#
141 340.8 50.8 76.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.572 min Scan# 3163

Delta R.T. -0.020 min

Lab File: BG061133.D

Acq: 7 May 2024 15:49

Instrument :

BNA_G

ClientSampleId :

SP-INSIDE-GATE

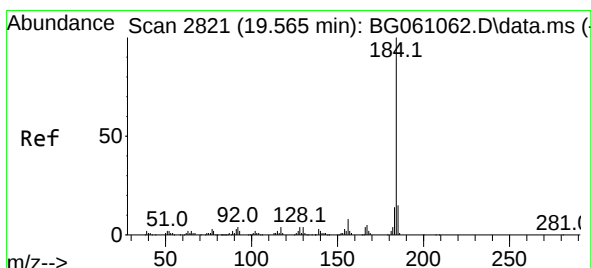
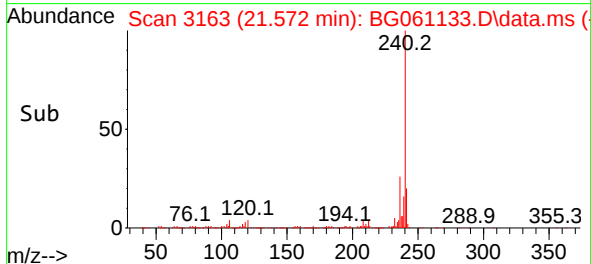
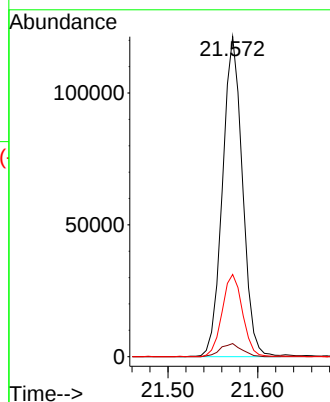
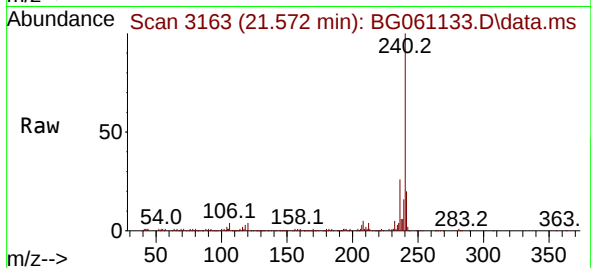
Tgt Ion:240 Resp: 187190

Ion Ratio Lower Upper

240 100

120 4.1 3.2 4.8

236 25.7 21.0 31.6



#77

Benzidine

Concen: 5.635 ng

RT: 19.933 min Scan# 2884

Delta R.T. 0.368 min

Lab File: BG061133.D

Acq: 7 May 2024 15:49

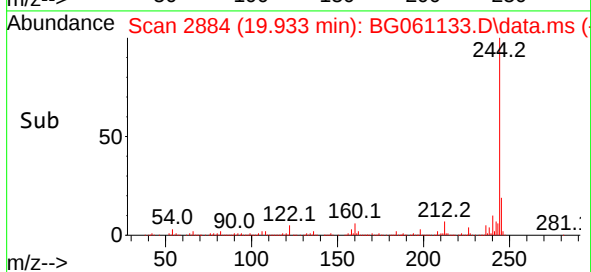
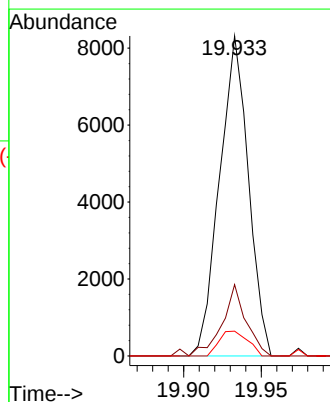
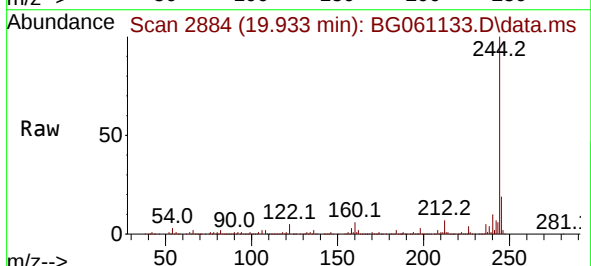
Tgt Ion:184 Resp: 10742

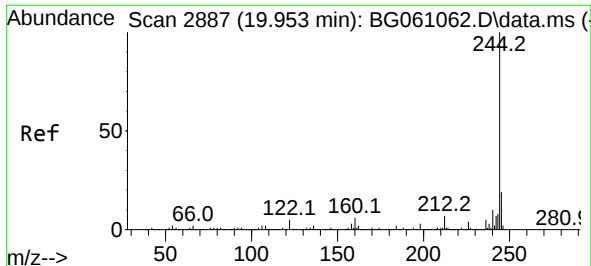
Ion Ratio Lower Upper

184 100

185 22.3 12.0 18.0#

183 7.7 10.9 16.3#

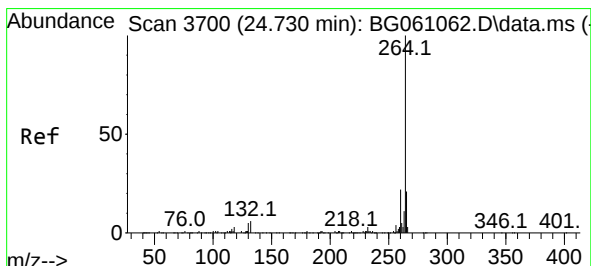
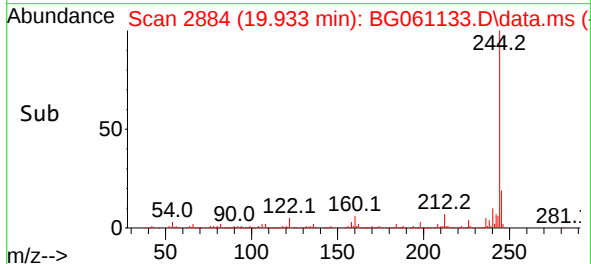
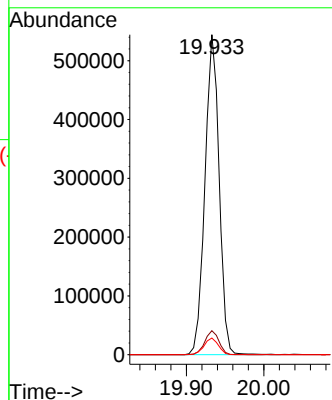
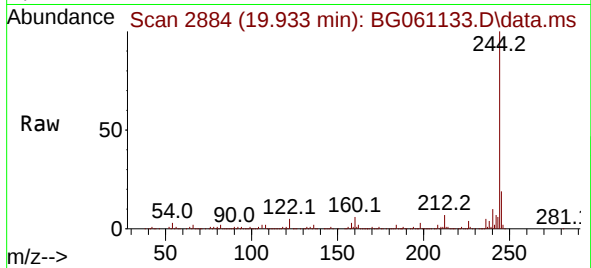




#79
 Terphenyl-d14
 Concen: 61.293 ng
 RT: 19.933 min Scan# 21
 Delta R.T. -0.020 min
 Lab File: BG061133.D
 Acq: 7 May 2024 15:49

Instrument :
 BNA_G
 ClientSampleId :
 SP-INSIDE-GATE

Tgt Ion:244 Resp: 689862
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 5.2 4.2 6.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.698 min Scan# 3695
 Delta R.T. -0.032 min
 Lab File: BG061133.D
 Acq: 7 May 2024 15:49

Tgt Ion:264 Resp: 225398
 Ion Ratio Lower Upper
 264 100
 260 25.3 17.7 26.5
 265 21.3 16.4 24.6

