

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060053.D
 Acq On : 16 Dec 2023 3:20
 Operator : MA/JU
 Sample : 05827-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-08-15.5-16.5

Quant Time: Dec 16 04:11:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

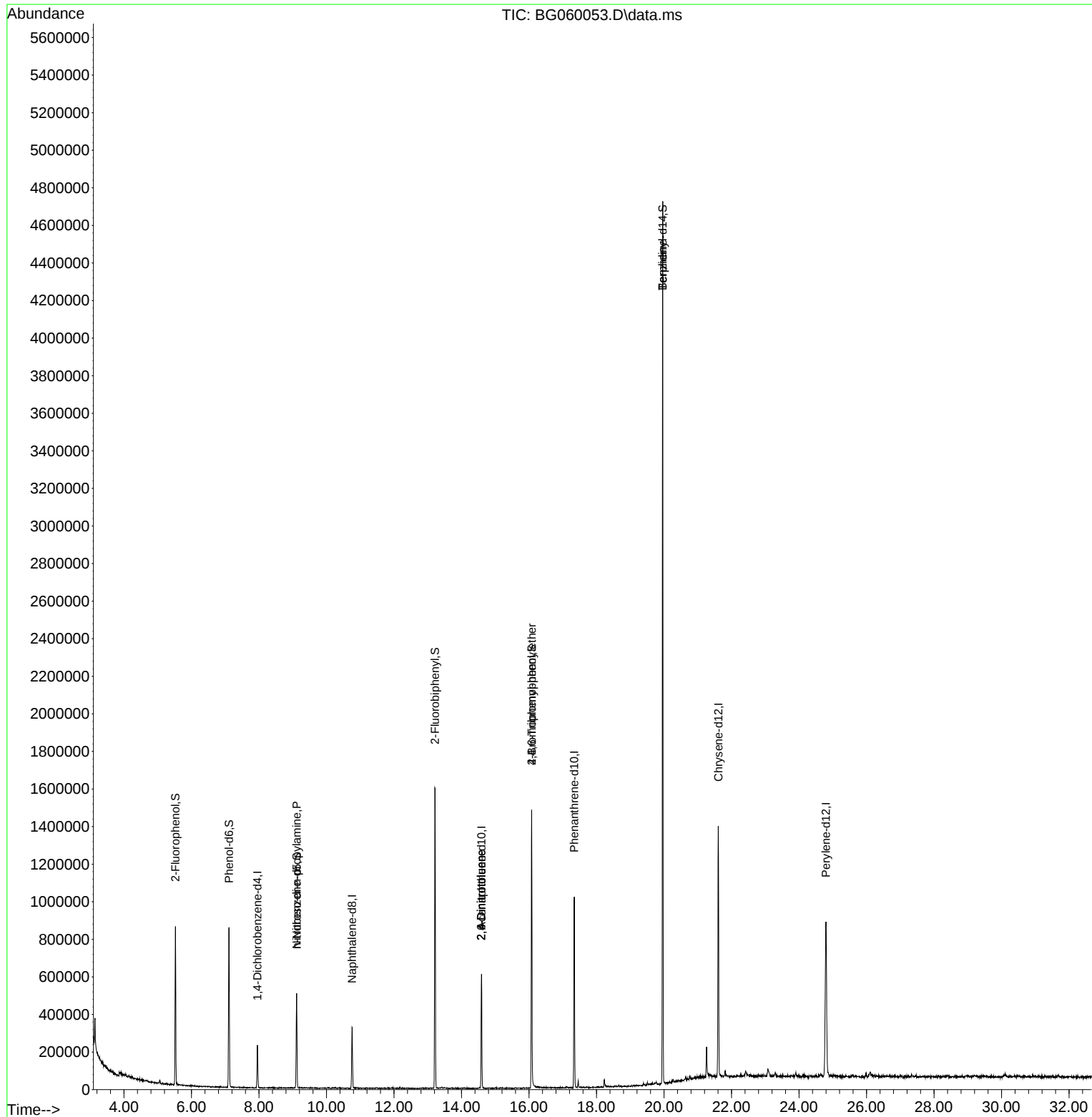
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	62577	20.000	ng	0.00
21) Naphthalene-d8	10.756	136	254844	20.000	ng	0.00
39) Acenaphthene-d10	14.593	164	219953	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	704175	20.000	ng	0.00
76) Chrysene-d12	21.608	240	869359	20.000	ng	0.00
86) Perylene-d12	24.798	264	1023148	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	312751	85.556	ng	0.00
7) Phenol-d6	7.113	99	439267	85.426	ng	0.00
23) Nitrobenzene-d5	9.117	82	280829	50.038	ng	0.00
42) 2,4,6-Tribromophenol	16.079	330	355711	69.395	ng	0.00
45) 2-Fluorobiphenyl	13.218	172	885547	49.275	ng	0.00
79) Terphenyl-d14	19.963	244	2559735	53.756	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.117	70	35748	10.776	ng	# 86
51) 2,6-Dinitrotoluene	14.587	165	30694	8.679	ng	# 26
57) 2,4-Dinitrotoluene	14.587	165	30694	6.174	ng	# 29
67) 4-Bromophenyl-phenylether	16.079	248	21746	2.189	ng	# 1
69) Atrazine	16.743	200	60	Below Cal		# 34
77) Benzidine	19.963	184	36233	3.245	ng	# 91

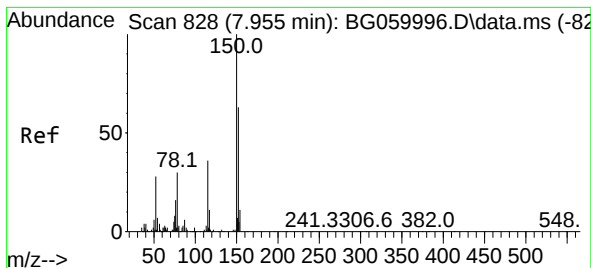
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
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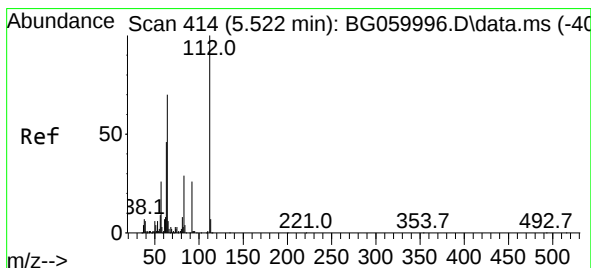
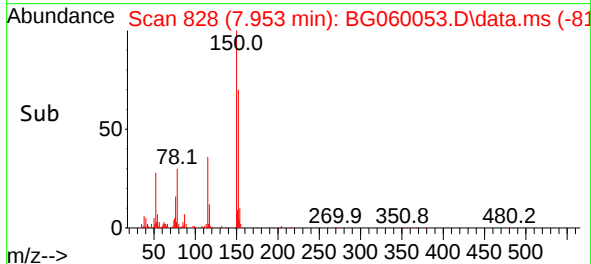
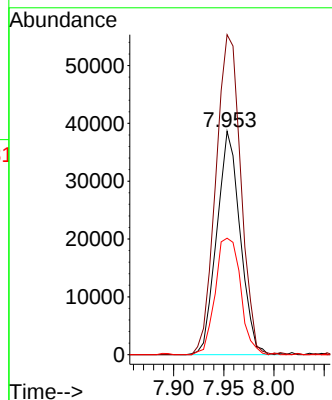
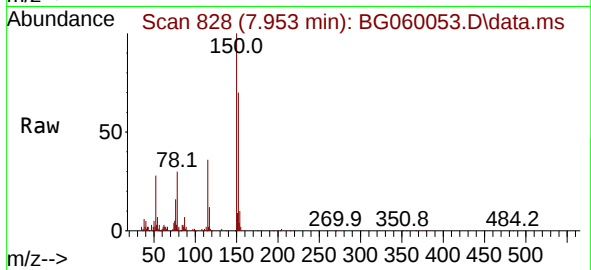




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060053.D
Acq: 16 Dec 2023 3:20

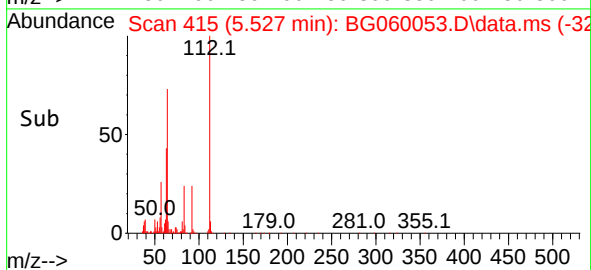
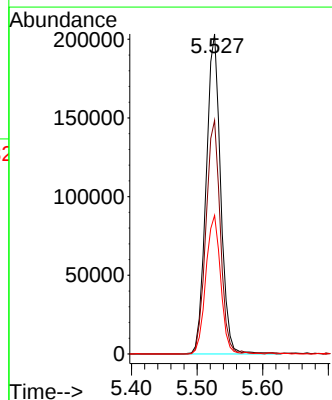
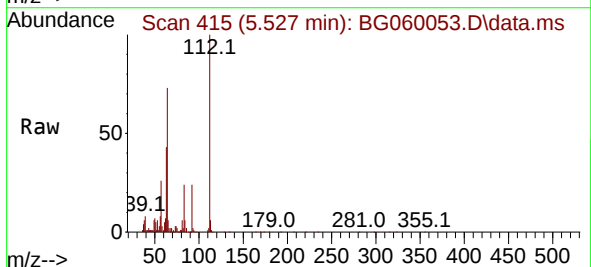
Instrument :
BNA_G
ClientSampleId :
RT-SB-08-15.5-16.5

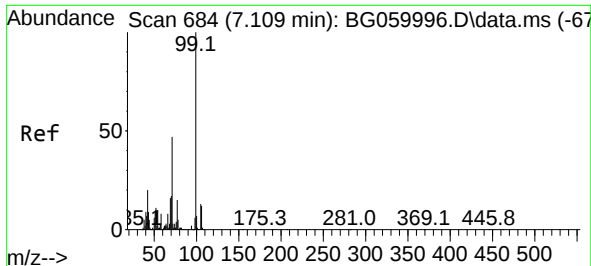
Tgt Ion:152 Resp: 62577
Ion Ratio Lower Upper
152 100
150 143.3 127.0 190.6
115 52.2 45.7 68.5



#5
2-Fluorophenol
Concen: 85.556 ng
RT: 5.527 min Scan# 415
Delta R.T. 0.005 min
Lab File: BG060053.D
Acq: 16 Dec 2023 3:20

Tgt Ion:112 Resp: 312751
Ion Ratio Lower Upper
112 100
64 73.0 55.9 83.9
63 43.3 36.5 54.7

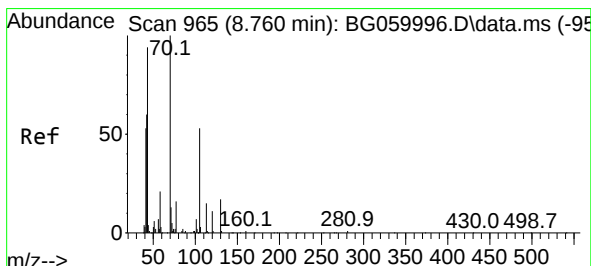
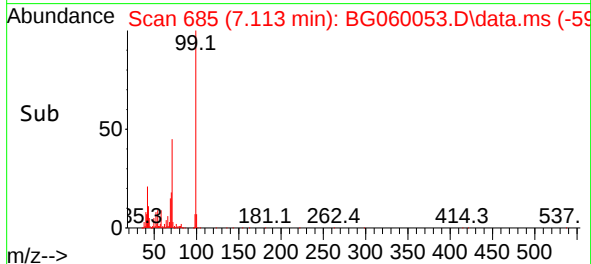
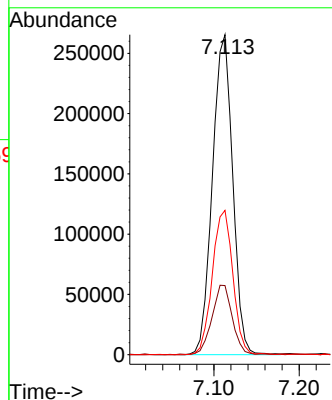
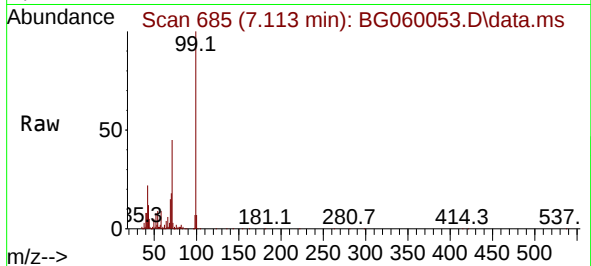




#7
Phenol-d6
Concen: 85.426 ng
RT: 7.113 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG060053.D
Acq: 16 Dec 2023 3:20

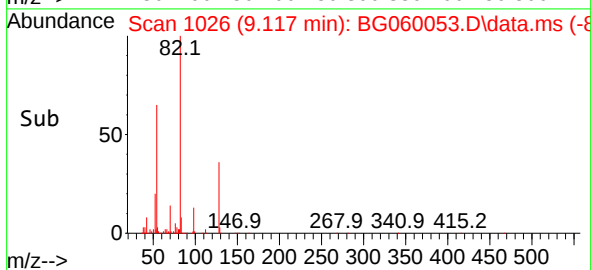
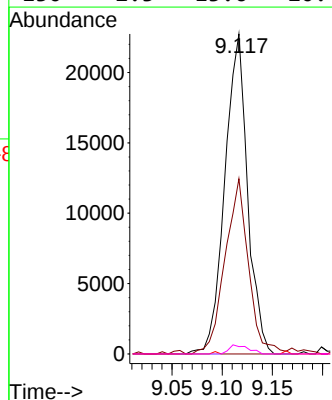
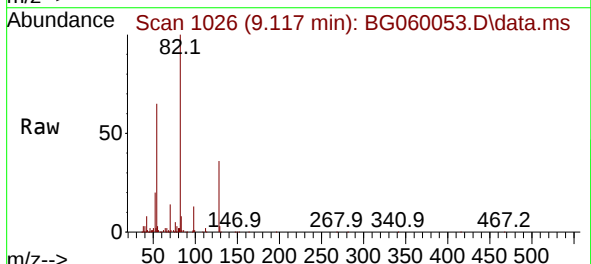
Instrument :
BNA_G
ClientSampleId :
RT-SB-08-15.5-16.5

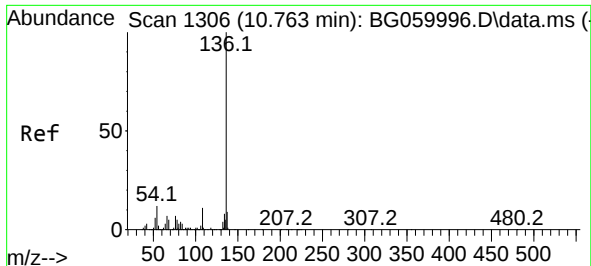
Tgt Ion: 99 Resp: 439267
Ion Ratio Lower Upper
99 100
42 21.6 16.2 24.4
71 45.1 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.776 ng
RT: 9.117 min Scan# 1026
Delta R.T. 0.357 min
Lab File: BG060053.D
Acq: 16 Dec 2023 3:20

Tgt Ion: 70 Resp: 35748
Ion Ratio Lower Upper
70 100
42 54.7 48.6 73.0
101 0.0 5.7 8.5#
130 2.3 13.6 20.4#

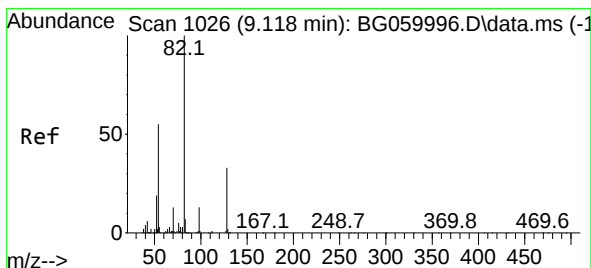
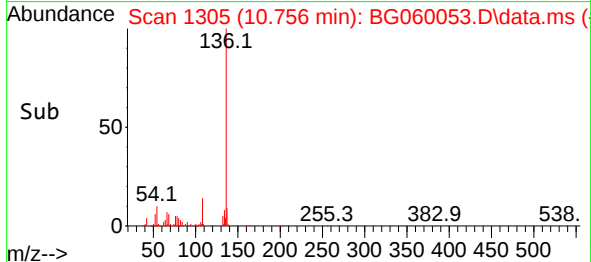
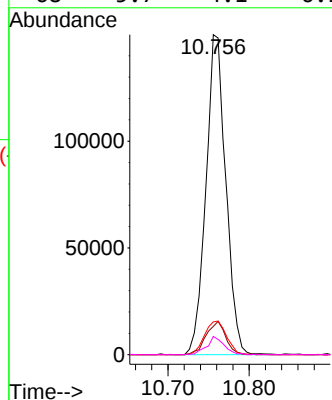
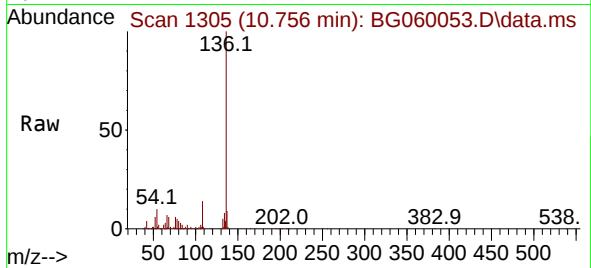




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.756 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG060053.D
Acq: 16 Dec 2023 3:20

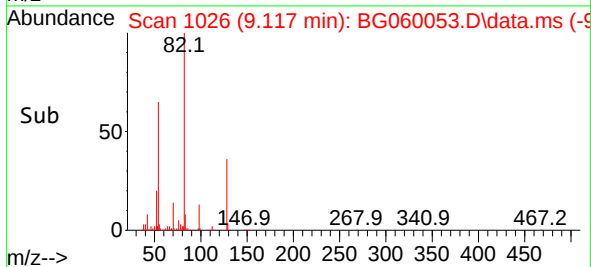
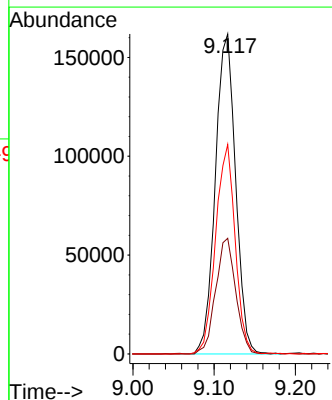
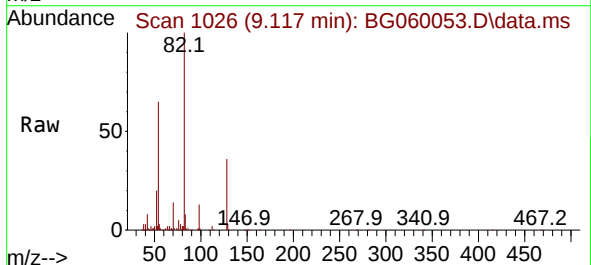
Instrument :
BNA_G
ClientSampleId :
RT-SB-08-15.5-16.5

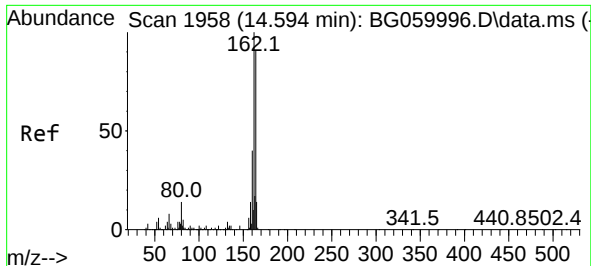
Tgt Ion:	136	Resp:	254844
Ion Ratio	Lower	Upper	
136	100		
137	8.8	7.3	10.9
54	10.2	9.6	14.4
68	5.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 50.038 ng
RT: 9.117 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG060053.D
Acq: 16 Dec 2023 3:20

Tgt Ion:	82	Resp:	280829
Ion Ratio	Lower	Upper	
82	100		
128	36.2	26.3	39.5
54	65.4	44.3	66.5

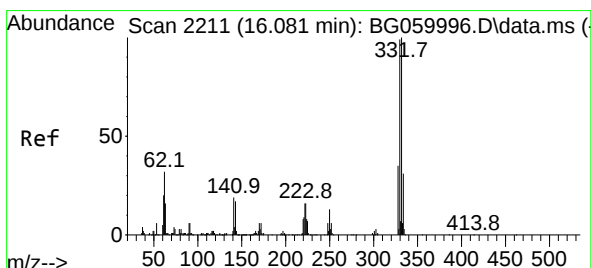
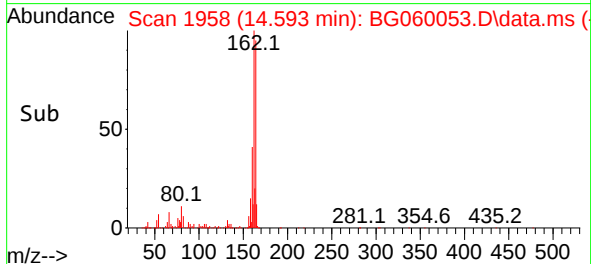
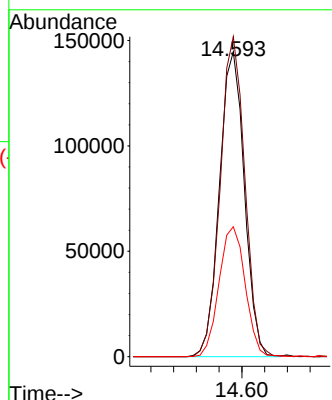
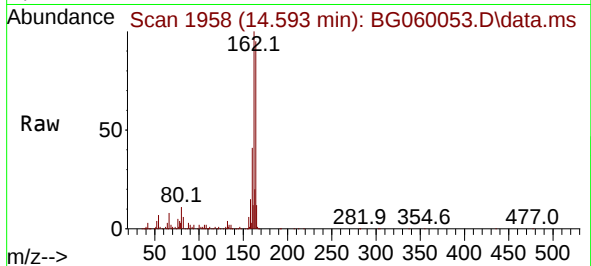




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.593 min Scan# 1958
Delta R.T. -0.002 min
Lab File: BG060053.D
Acq: 16 Dec 2023 3:20

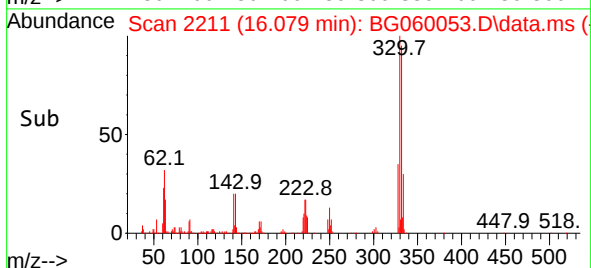
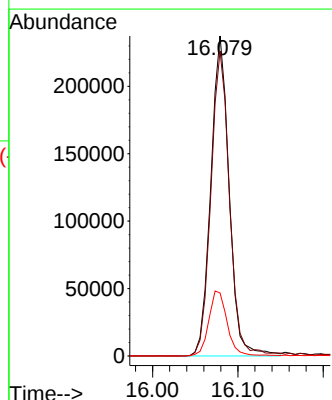
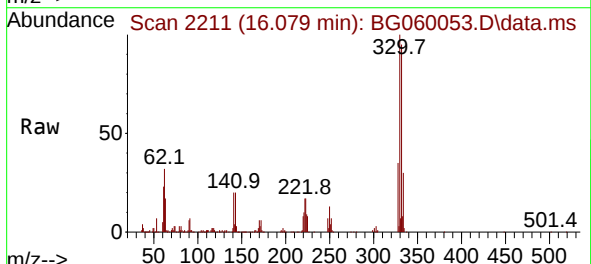
Instrument :
BNA_G
ClientSampleId :
RT-SB-08-15.5-16.5

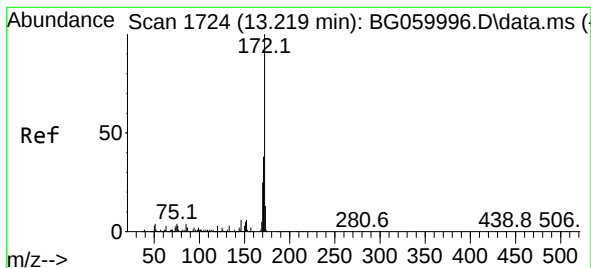
Tgt Ion:164 Resp: 219953
Ion Ratio Lower Upper
164 100
162 105.0 88.1 132.1
160 42.6 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 69.395 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.002 min
Lab File: BG060053.D
Acq: 16 Dec 2023 3:20

Tgt Ion:330 Resp: 355711
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 20.6 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 49.275 ng

RT: 13.218 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG060053.D

Acq: 16 Dec 2023 3:20

Instrument :

BNA_G

ClientSampleId :

RT-SB-08-15.5-16.5

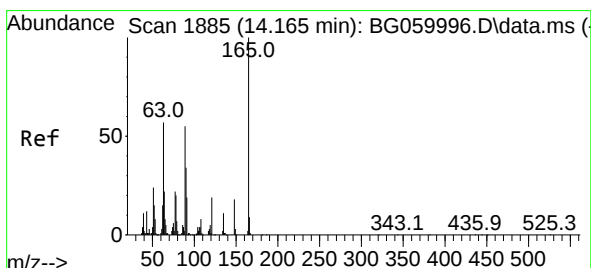
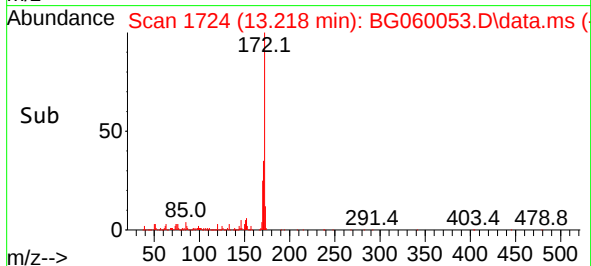
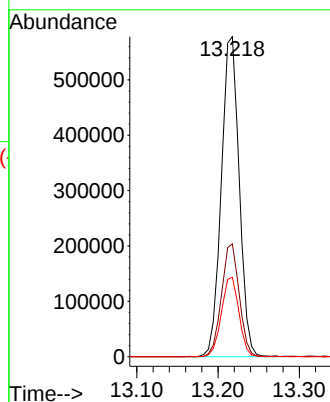
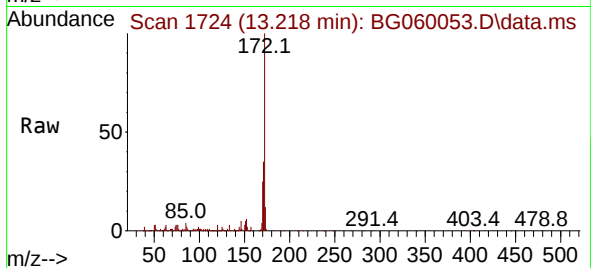
Tgt Ion:172 Resp: 885547

Ion Ratio Lower Upper

172 100

171 35.3 30.1 45.1

170 24.8 20.0 30.0



#51

2,6-Dinitrotoluene

Concen: 8.679 ng

RT: 14.587 min Scan# 1957

Delta R.T. 0.421 min

Lab File: BG060053.D

Acq: 16 Dec 2023 3:20

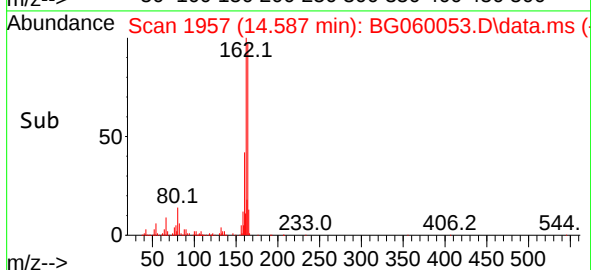
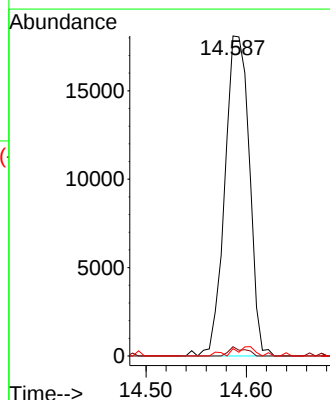
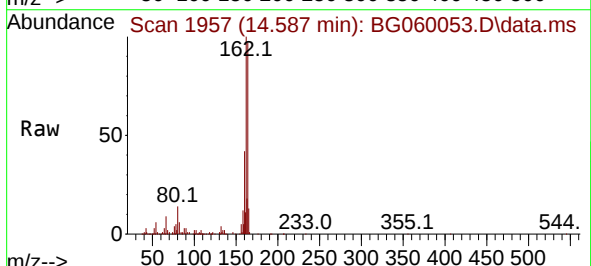
Tgt Ion:165 Resp: 30694

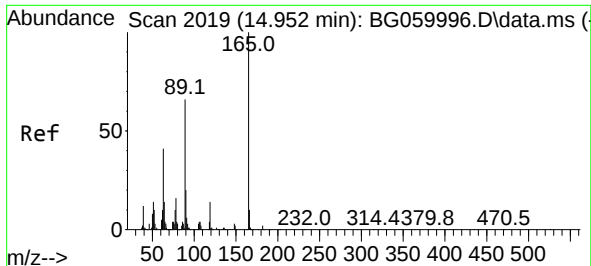
Ion Ratio Lower Upper

165 100

63 2.9 48.2 72.2#

89 2.3 44.4 66.6#

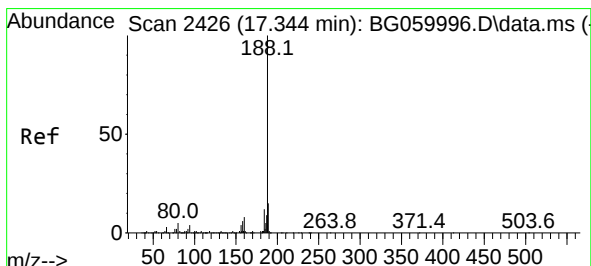
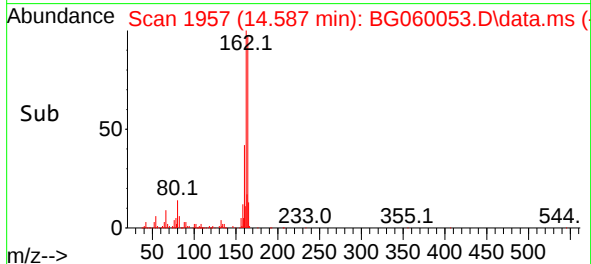
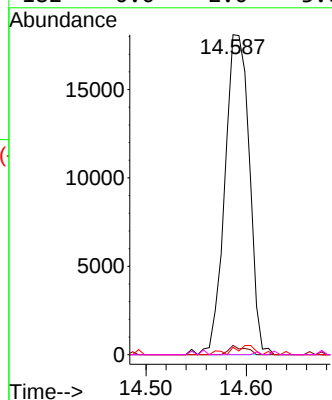
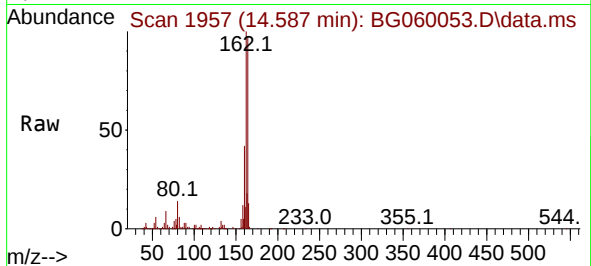




#57
2,4-Dinitrotoluene
Concen: 6.174 ng
RT: 14.587 min Scan# 1957
Delta R.T. -0.366 min
Lab File: BG060053.D
Acq: 16 Dec 2023 3:20

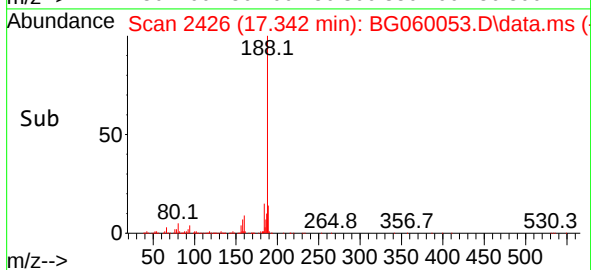
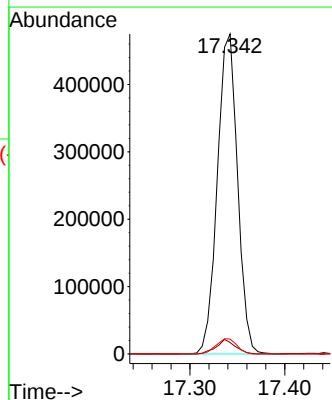
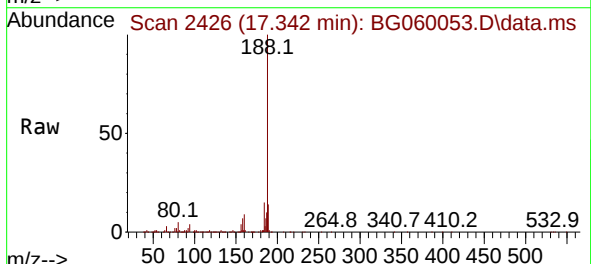
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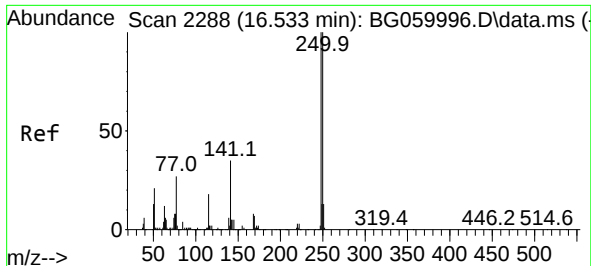
Tgt Ion:165 Resp: 30694
Ion Ratio Lower Upper
165 100
63 2.9 32.8 49.2#
89 2.3 53.0 79.6#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.002 min
Lab File: BG060053.D
Acq: 16 Dec 2023 3:20

Tgt Ion:188 Resp: 704175
Ion Ratio Lower Upper
188 100
94 3.6 3.0 4.6
80 4.7 4.0 6.0

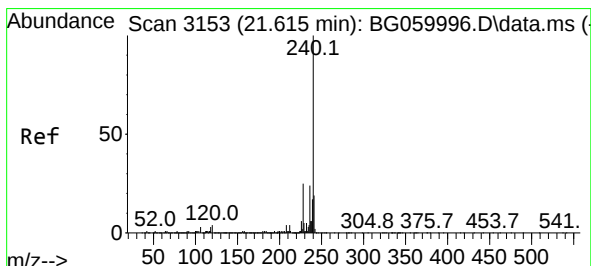
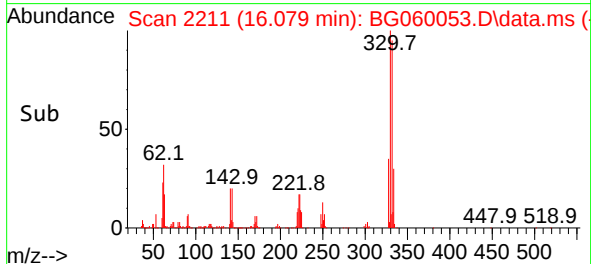
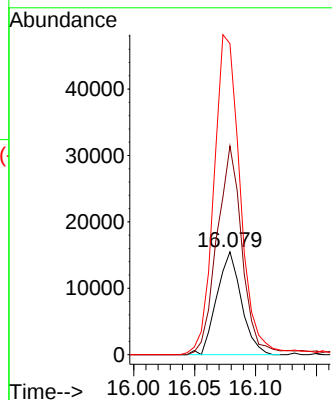
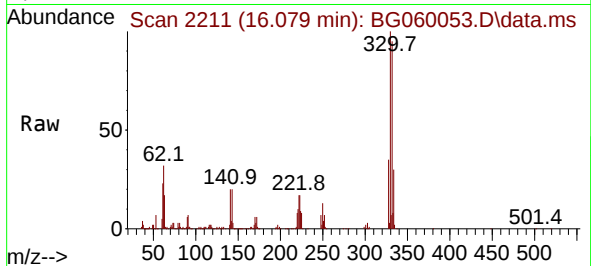




#67
4-Bromophenyl-phenylether
Concen: 2.189 ng
RT: 16.079 min Scan# 21
Delta R.T. -0.454 min
Lab File: BG060053.D
Acq: 16 Dec 2023 3:20

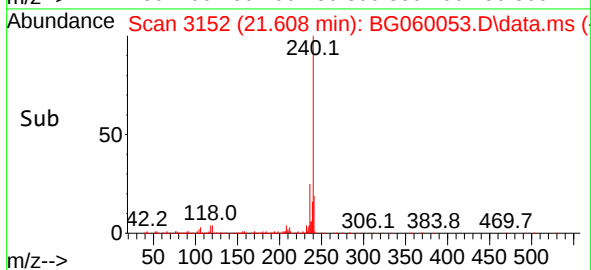
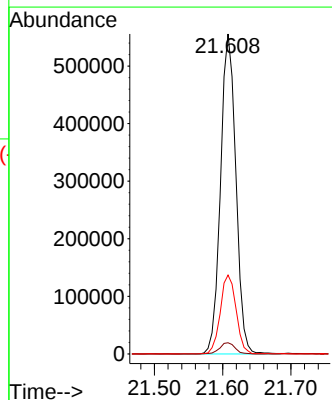
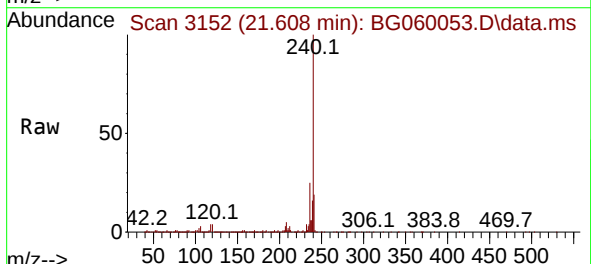
Instrument :
BNA_G
ClientSampleId :
RT-SB-08-15.5-16.5

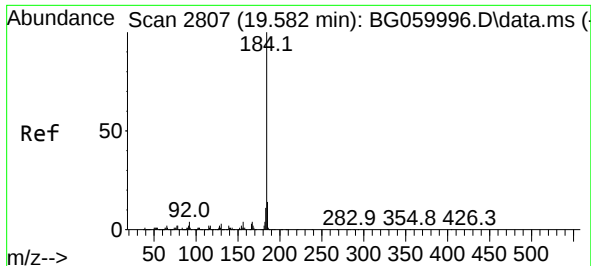
Tgt Ion:248 Resp: 21746
Ion Ratio Lower Upper
248 100
250 202.6 79.9 119.9#
141 302.0 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.608 min Scan# 3152
Delta R.T. -0.007 min
Lab File: BG060053.D
Acq: 16 Dec 2023 3:20

Tgt Ion:240 Resp: 869359
Ion Ratio Lower Upper
240 100
120 3.5 2.9 4.3
236 24.6 19.4 29.2





#77

Benzidine

Concen: 3.245 ng

RT: 19.963 min Scan# 2872

Delta R.T. 0.380 min

Lab File: BG060053.D

Acq: 16 Dec 2023 3:20

Instrument :

BNA_G

ClientSampleId :

RT-SB-08-15.5-16.5

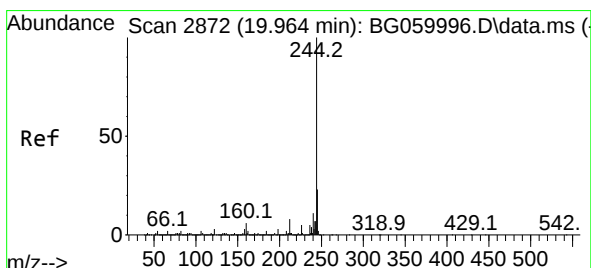
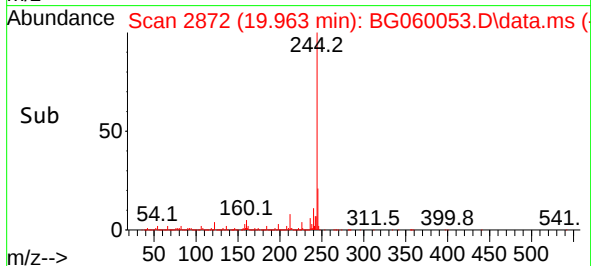
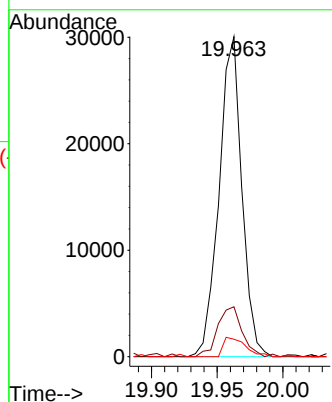
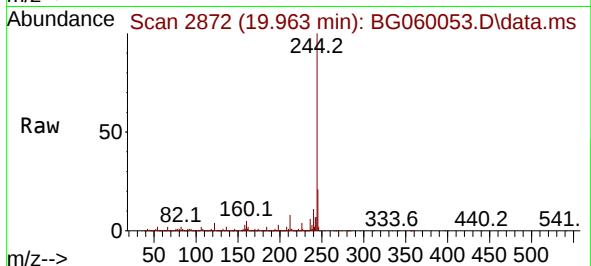
Tgt Ion:184 Resp: 36233

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

183 5.4 9.0 13.4#



#79

Terphenyl-d14

Concen: 53.756 ng

RT: 19.963 min Scan# 2872

Delta R.T. -0.002 min

Lab File: BG060053.D

Acq: 16 Dec 2023 3:20

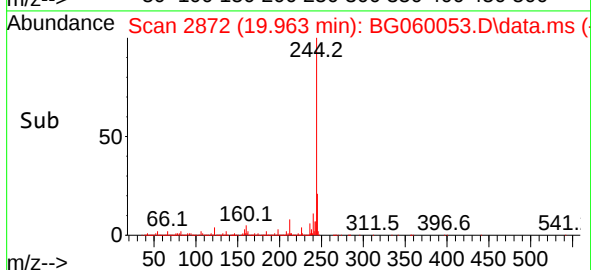
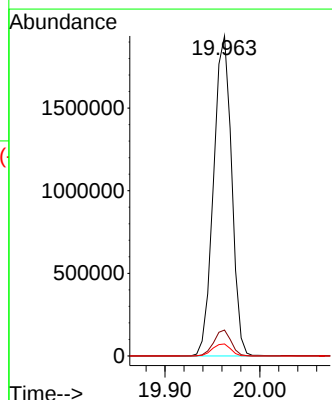
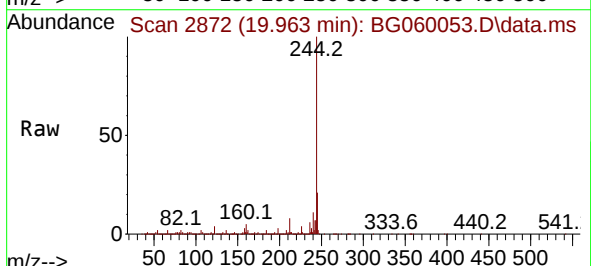
Tgt Ion:244 Resp: 2559735

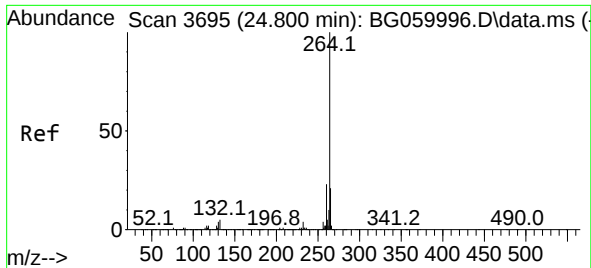
Ion Ratio Lower Upper

244 100

212 8.1 6.8 10.2

122 3.7 2.6 3.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.798 min Scan# 30
Delta R.T. -0.002 min
Lab File: BG060053.D
Acq: 16 Dec 2023 3:20

Instrument :
BNA_G
ClientSampleId :
RT-SB-08-15.5-16.5

Tgt Ion:264 Resp: 1023148

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	22.5	17.3	25.9

