

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121423\
 Data File : BG060027.D
 Acq On : 15 Dec 2023 1:07
 Operator : MA/JU
 Sample : 05631-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-1

Quant Time: Dec 15 02:41:58 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)

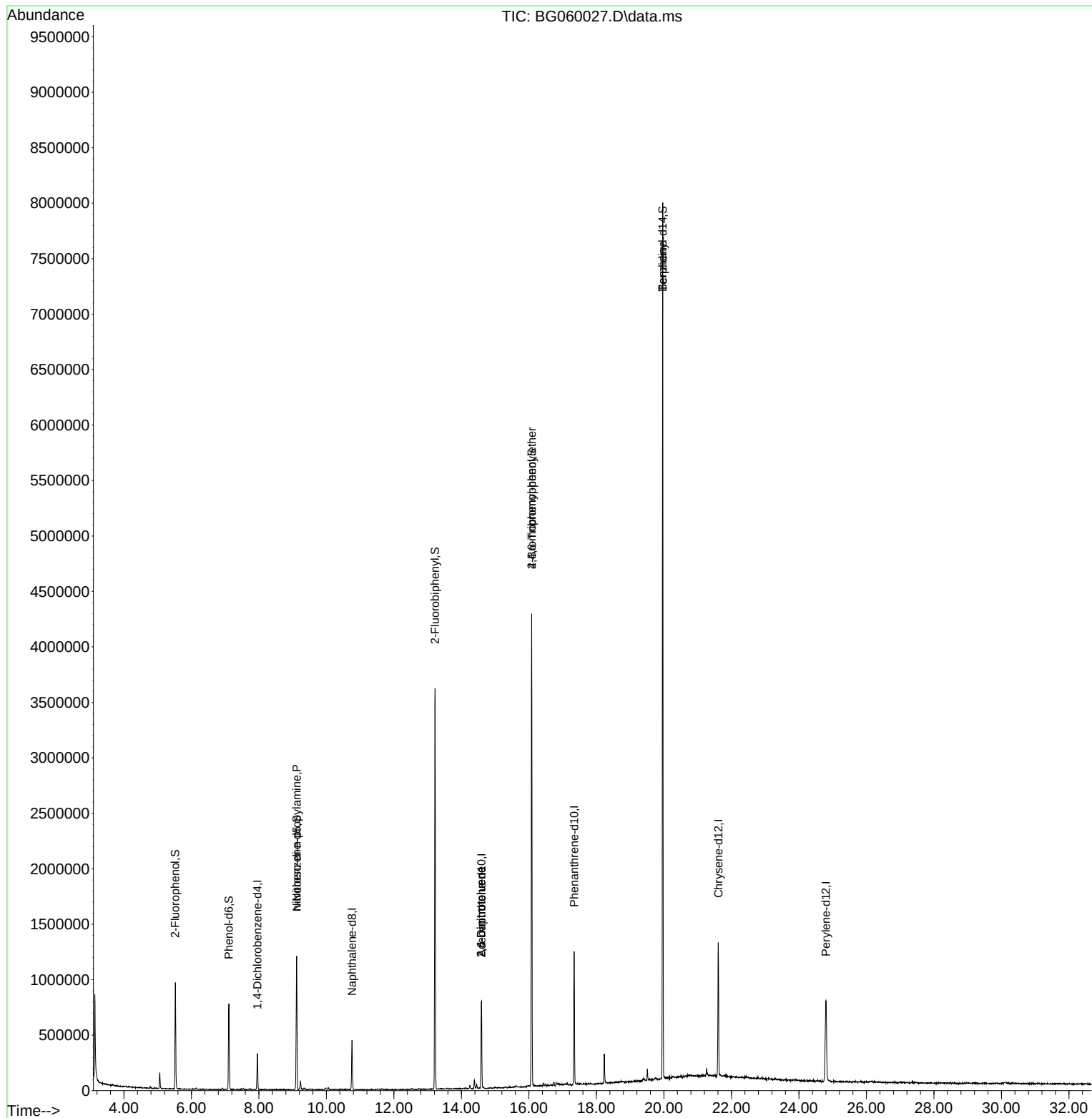
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	87287	20.000	ng	0.00
21) Naphthalene-d8	10.758	136	328808	20.000	ng	# 0.00
39) Acenaphthene-d10	14.594	164	282587	20.000	ng	0.00
64) Phenanthrene-d10	17.338	188	829025	20.000	ng	0.00
76) Chrysene-d12	21.610	240	797285	20.000	ng	0.00
86) Perylene-d12	24.800	264	941824	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	369500	72.465	ng	0.00
7) Phenol-d6	7.109	99	397431	55.410	ng	0.00
23) Nitrobenzene-d5	9.118	82	694633	95.928	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	990301	150.374	ng	0.00
45) 2-Fluorobiphenyl	13.220	172	2009699	87.041	ng	0.00
79) Terphenyl-d14	19.965	244	4064078	93.064	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.118	70	94898	20.507	ng	# 79
51) 2,6-Dinitrotoluene	14.589	165	37309	8.211	ng	# 25
57) 2,4-Dinitrotoluene	14.589	165	37309	5.841	ng	# 28
67) 4-Bromophenyl-phenylether	16.081	248	60629	5.183	ng	# 1
69) Atrazine	16.792	200	75	Below Cal		# 1
77) Benzidine	19.965	184	65782	6.423	ng	# 85

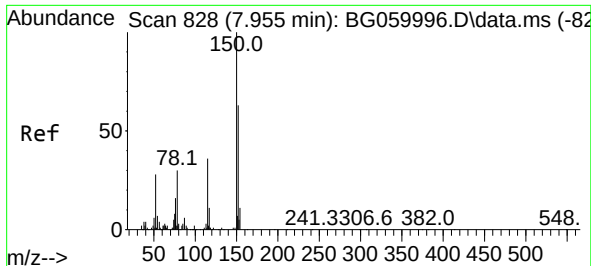
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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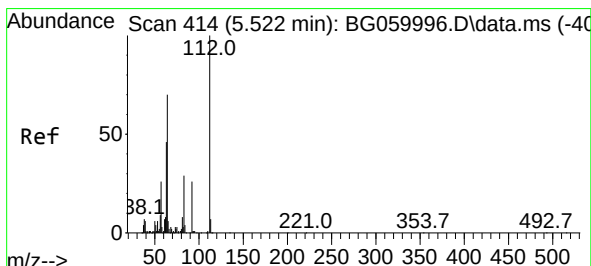
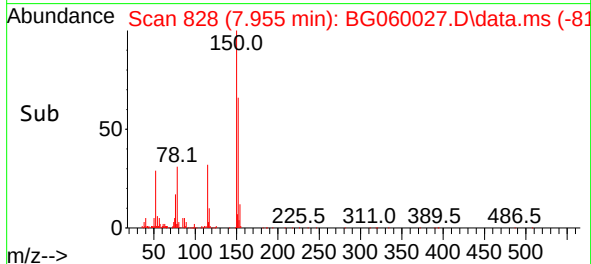
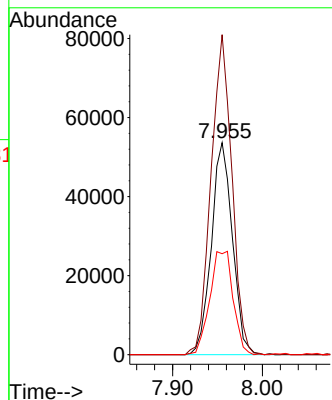
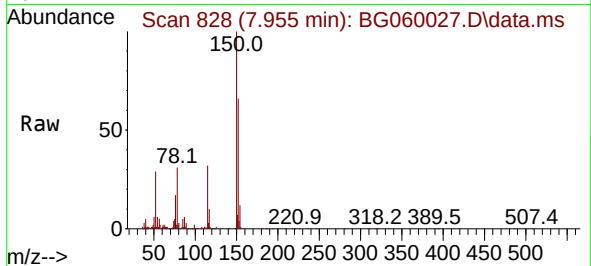




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.955 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BG060027.D
 Acq: 15 Dec 2023 1:07

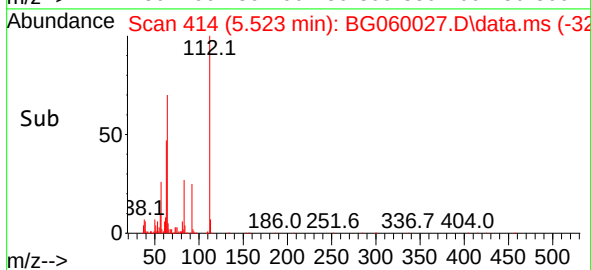
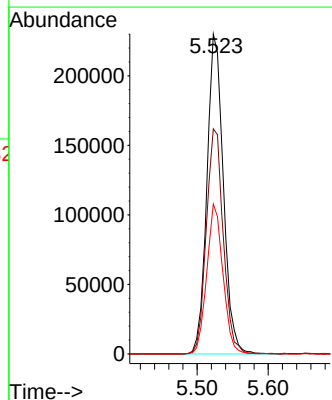
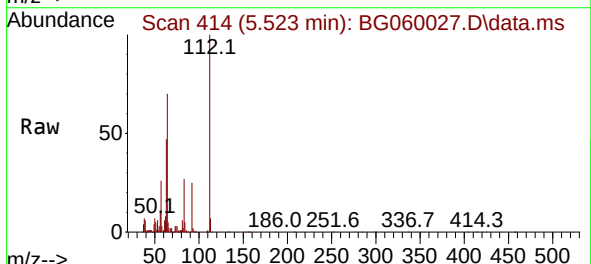
Instrument :
 BNA_G
 ClientSampleId :
 MW-1

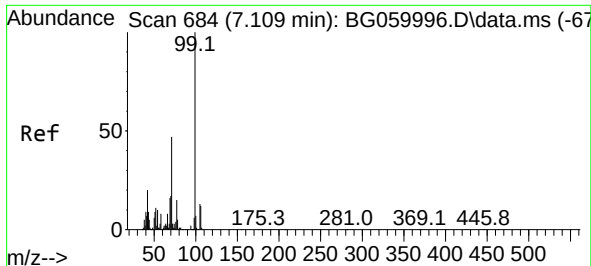
Tgt Ion:152 Resp: 87287
 Ion Ratio Lower Upper
 152 100
 150 150.9 127.0 190.6
 115 47.6 45.7 68.5



#5
 2-Fluorophenol
 Concen: 72.465 ng
 RT: 5.523 min Scan# 414
 Delta R.T. 0.001 min
 Lab File: BG060027.D
 Acq: 15 Dec 2023 1:07

Tgt Ion:112 Resp: 369500
 Ion Ratio Lower Upper
 112 100
 64 70.4 55.9 83.9
 63 46.9 36.5 54.7

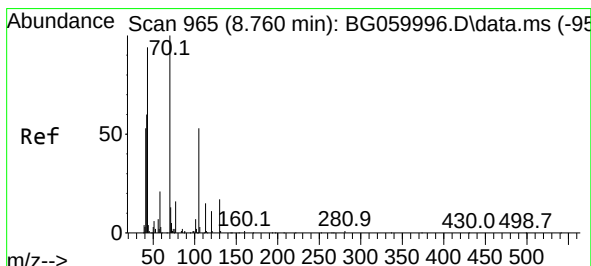
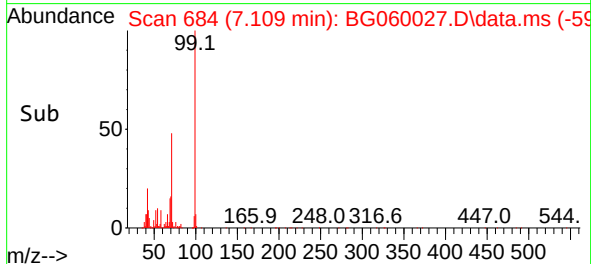
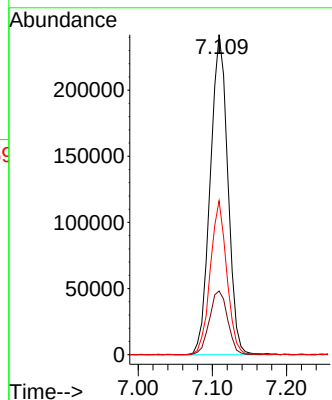
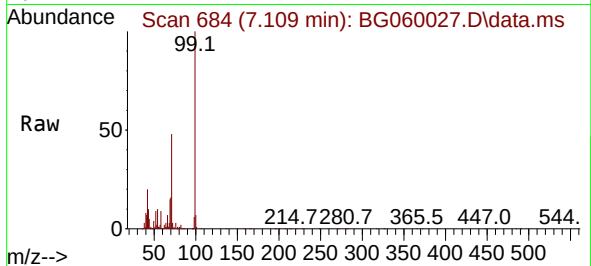




#7
Phenol-d6
Concen: 55.410 ng
RT: 7.109 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG060027.D
Acq: 15 Dec 2023 1:07

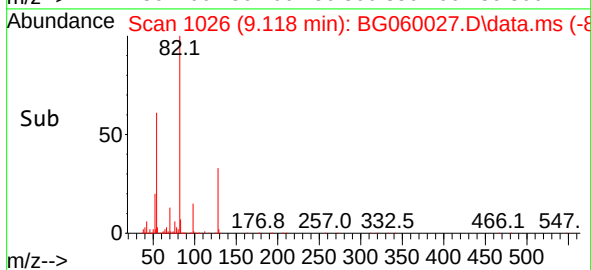
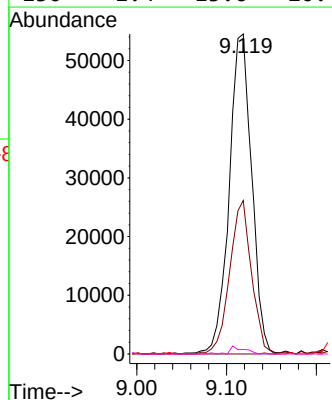
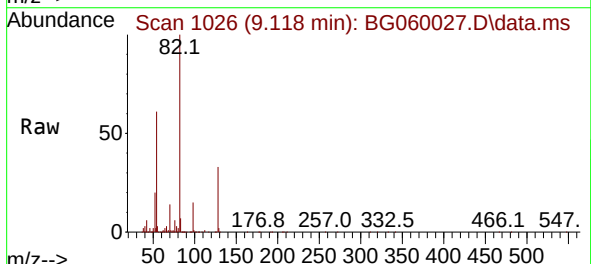
Instrument :
BNA_G
ClientSampleId :
MW-1

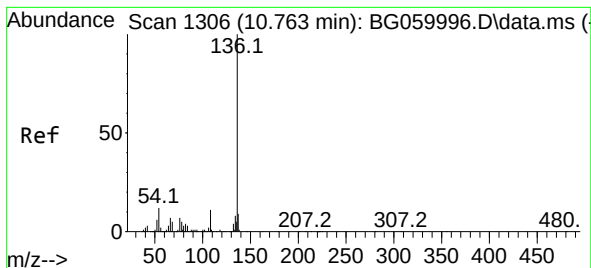
Tgt Ion: 99 Resp: 397431
Ion Ratio Lower Upper
99 100
42 19.9 16.2 24.4
71 48.1 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 20.507 ng
RT: 9.118 min Scan# 1026
Delta R.T. 0.359 min
Lab File: BG060027.D
Acq: 15 Dec 2023 1:07

Tgt Ion: 70 Resp: 94898
Ion Ratio Lower Upper
70 100
42 47.9 48.6 73.0#
101 0.6 5.7 8.5#
130 1.4 13.6 20.4#

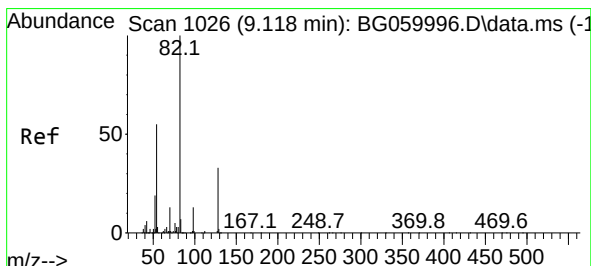
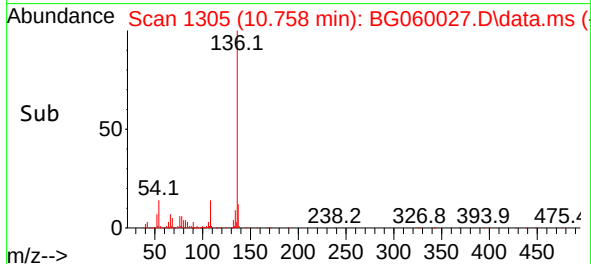
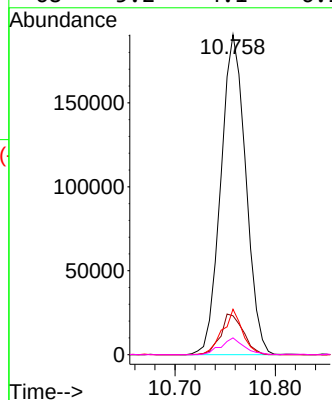
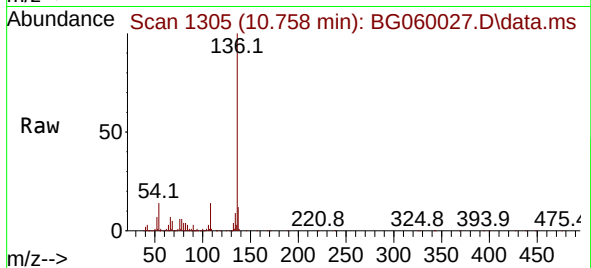




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BG060027.D
Acq: 15 Dec 2023 1:07

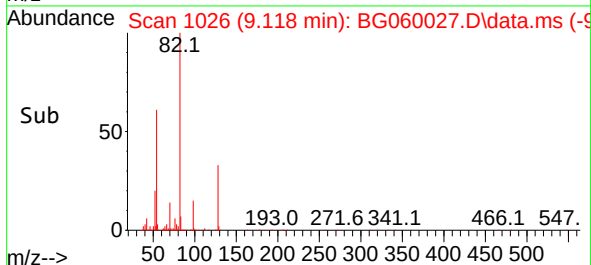
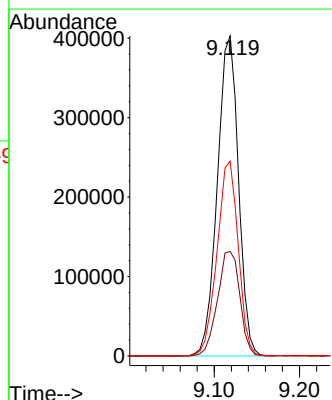
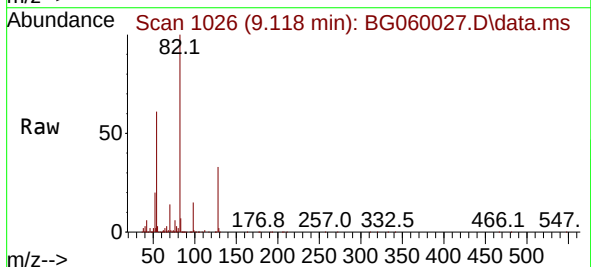
Instrument :
BNA_G
ClientSampleId :
MW-1

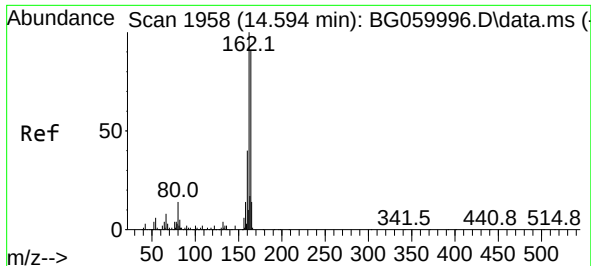
Tgt Ion:136 Resp: 328808
Ion Ratio Lower Upper
136 100
137 12.1 7.3 10.9#
54 14.2 9.6 14.4
68 5.2 4.1 6.1



#23
Nitrobenzene-d5
Concen: 95.928 ng
RT: 9.118 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BG060027.D
Acq: 15 Dec 2023 1:07

Tgt Ion: 82 Resp: 694633
Ion Ratio Lower Upper
82 100
128 32.6 26.3 39.5
54 60.9 44.3 66.5

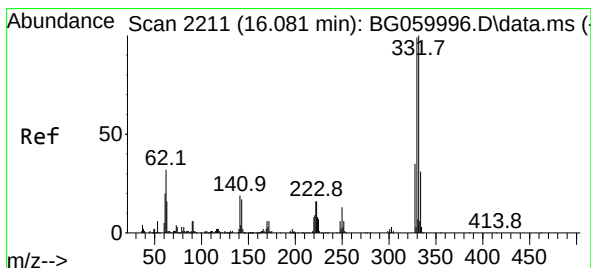
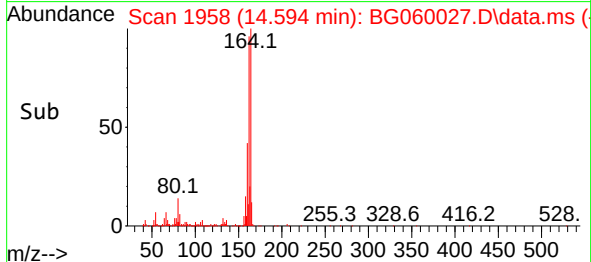
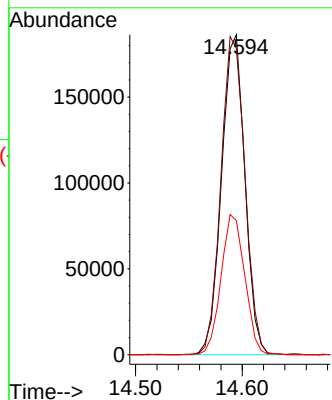
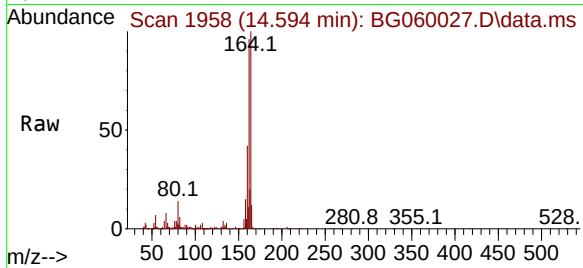




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.594 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BG060027.D
Acq: 15 Dec 2023 1:07

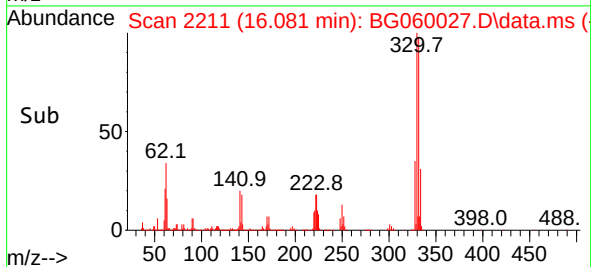
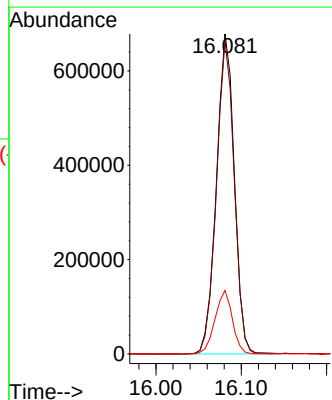
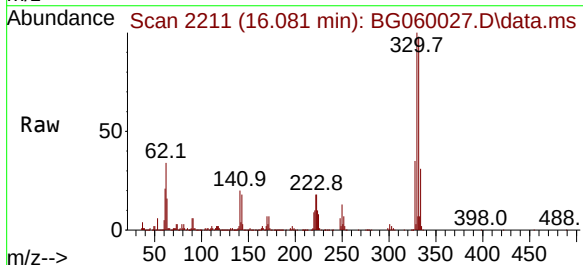
Instrument :
BNA_G
ClientSampleId :
MW-1

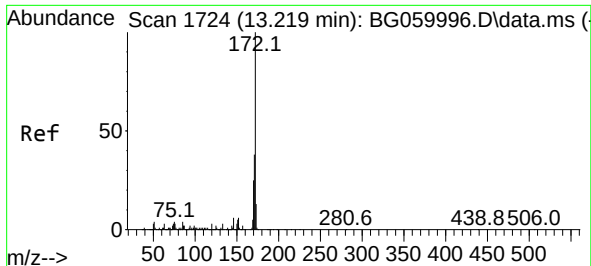
Tgt Ion:164 Resp: 282587
Ion Ratio Lower Upper
164 100
162 95.8 88.1 132.1
160 41.9 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 150.374 ng
RT: 16.081 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BG060027.D
Acq: 15 Dec 2023 1:07

Tgt Ion:330 Resp: 990301
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.4
141 19.2 14.3 21.5

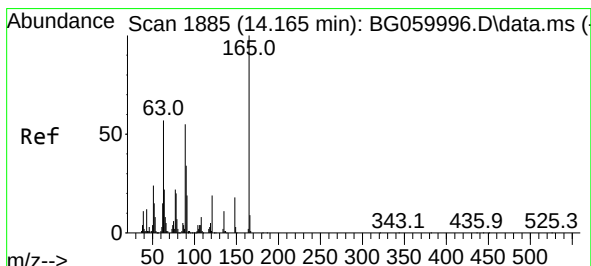
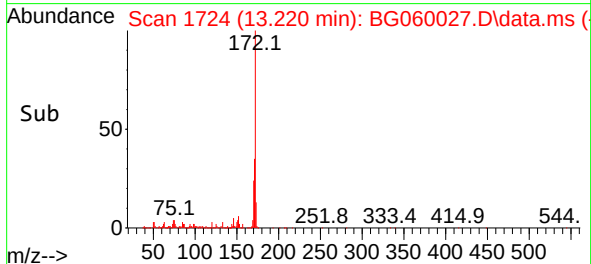
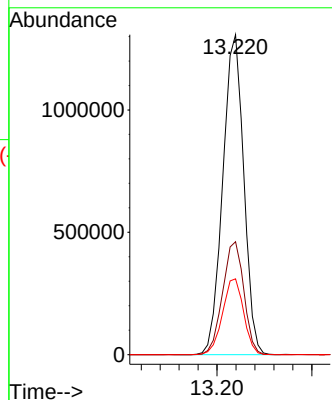
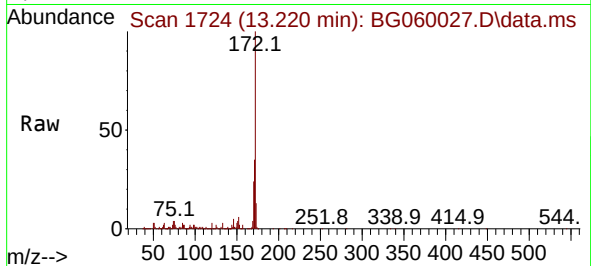




#45
2-Fluorobiphenyl
Concen: 87.041 ng
RT: 13.220 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG060027.D
Acq: 15 Dec 2023 1:07

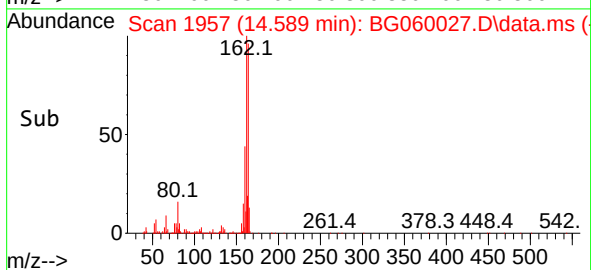
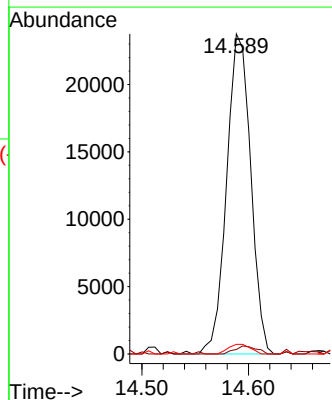
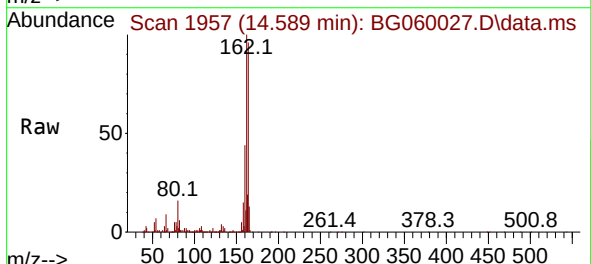
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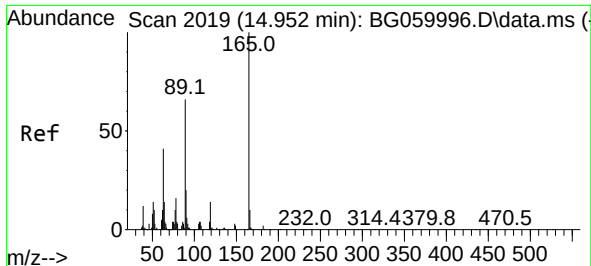
Tgt Ion:172 Resp: 2009699
Ion Ratio Lower Upper
172 100
171 35.3 30.1 45.1
170 23.7 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 8.211 ng
RT: 14.589 min Scan# 1957
Delta R.T. 0.423 min
Lab File: BG060027.D
Acq: 15 Dec 2023 1:07

Tgt Ion:165 Resp: 37309
Ion Ratio Lower Upper
165 100
63 1.4 48.2 72.2#
89 3.0 44.4 66.6#

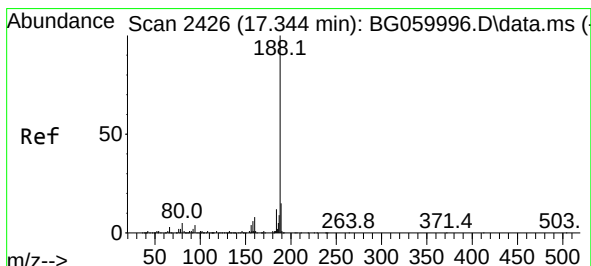
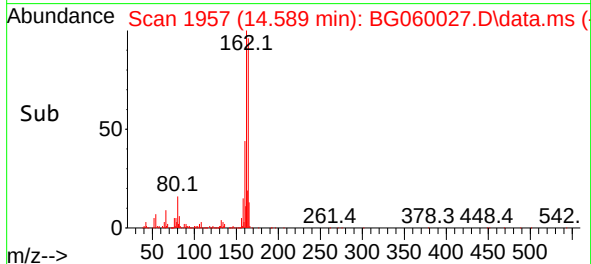
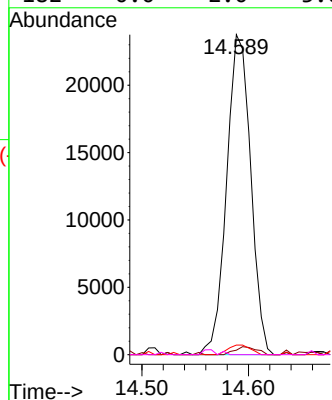
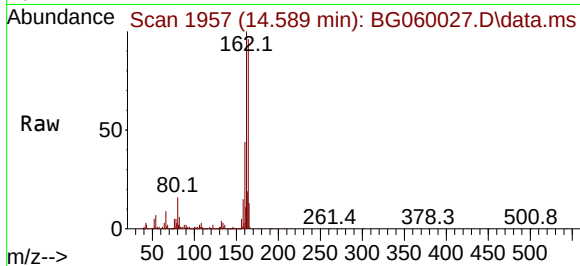




#57
2,4-Dinitrotoluene
Concen: 5.841 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.364 min
Lab File: BG060027.D
Acq: 15 Dec 2023 1:07

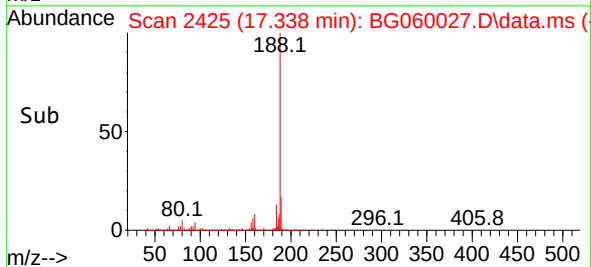
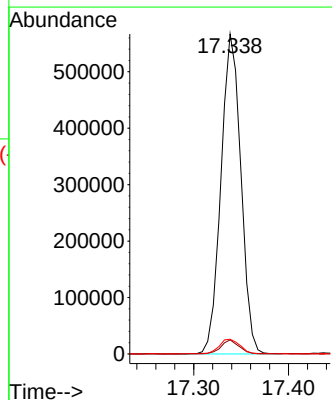
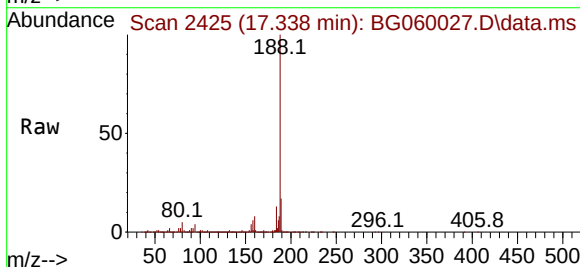
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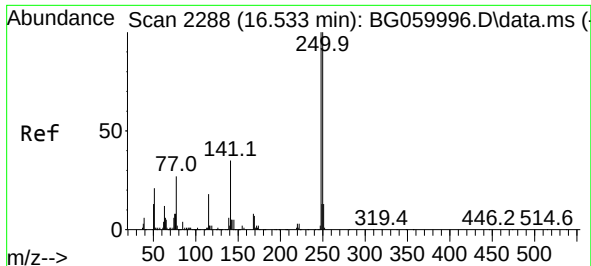
Tgt Ion:165 Resp: 37309
Ion Ratio Lower Upper
165 100
63 1.4 32.8 49.2#
89 3.0 53.0 79.6#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.338 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BG060027.D
Acq: 15 Dec 2023 1:07

Tgt Ion:188 Resp: 829025
Ion Ratio Lower Upper
188 100
94 4.4 3.0 4.6
80 4.6 4.0 6.0

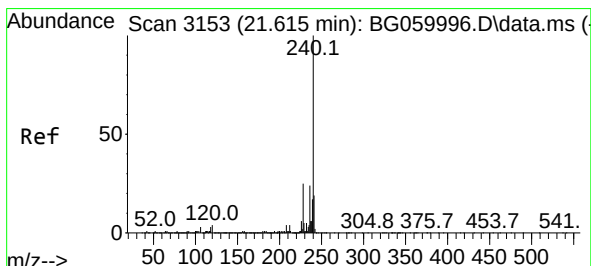
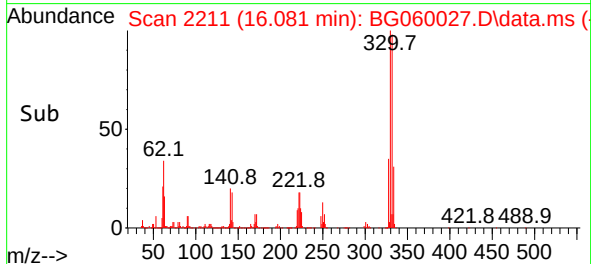
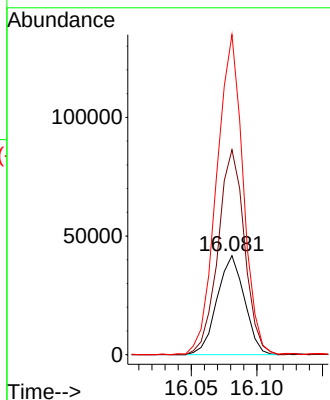
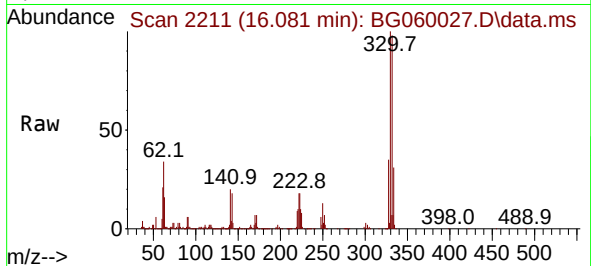




#67
4-Bromophenyl-phenylether
Concen: 5.183 ng
RT: 16.081 min Scan# 21
Delta R.T. -0.452 min
Lab File: BG060027.D
Acq: 15 Dec 2023 1:07

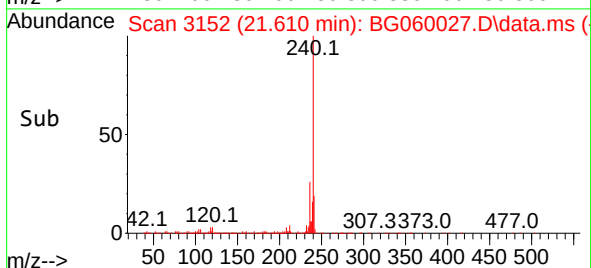
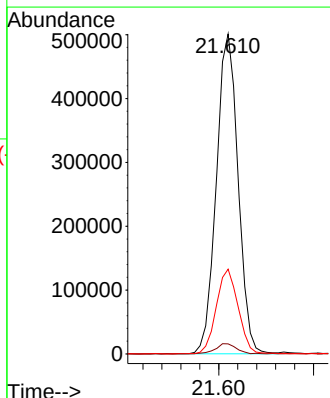
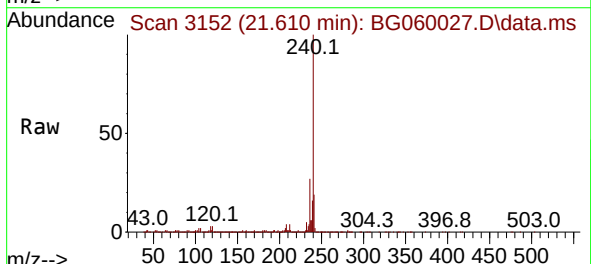
Instrument :
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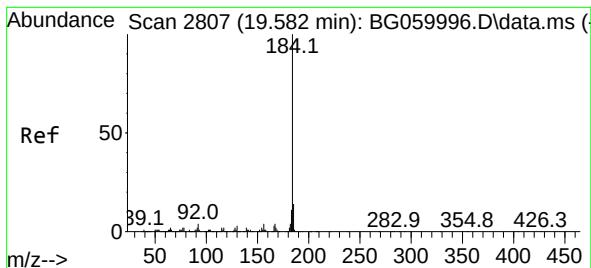
Tgt Ion:248 Resp: 60629
Ion Ratio Lower Upper
248 100
250 206.8 79.9 119.9#
141 322.9 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BG060027.D
Acq: 15 Dec 2023 1:07

Tgt Ion:240 Resp: 797285
Ion Ratio Lower Upper
240 100
120 3.1 2.9 4.3
236 26.5 19.4 29.2





#77

Benzidine

Concen: 6.423 ng

RT: 19.965 min Scan# 2872

Delta R.T. 0.382 min

Lab File: BG060027.D

Acq: 15 Dec 2023 1:07

Instrument :

BNA_G

ClientSampleId :

MW-1

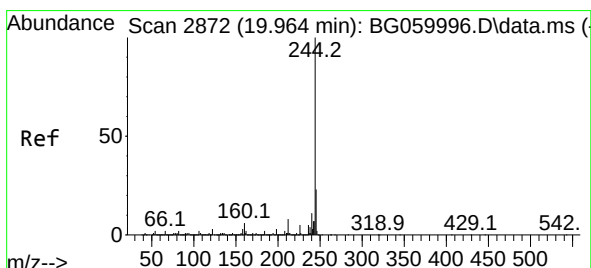
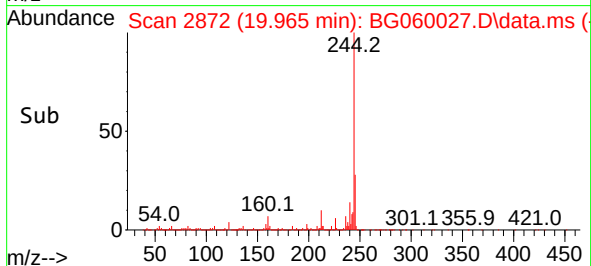
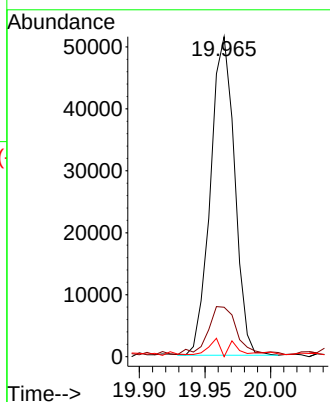
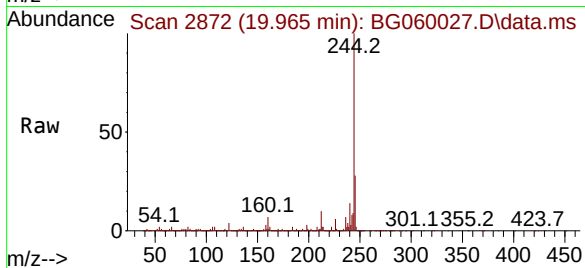
Tgt Ion:184 Resp: 65782

Ion Ratio Lower Upper

184 100

185 15.4 11.1 16.7

183 0.0 9.0 13.4#



#79

Terphenyl-d14

Concen: 93.064 ng

RT: 19.965 min Scan# 2872

Delta R.T. 0.000 min

Lab File: BG060027.D

Acq: 15 Dec 2023 1:07

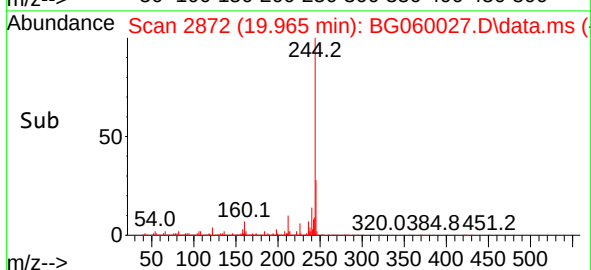
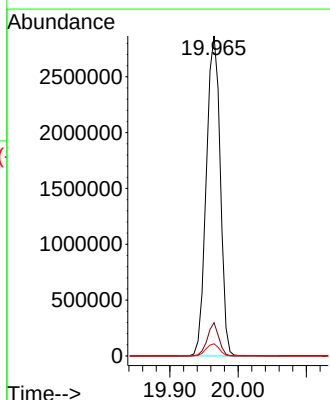
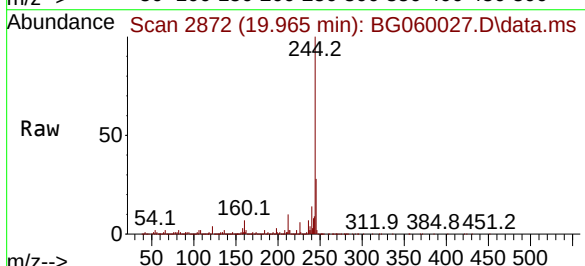
Tgt Ion:244 Resp: 4064078

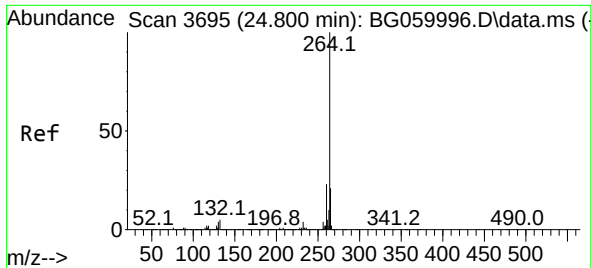
Ion Ratio Lower Upper

244 100

212 10.4 6.8 10.2#

122 3.8 2.6 3.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.800 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: BG060027.D
 Acq: 15 Dec 2023 1:07

Instrument :
 BNA_G
 ClientSampleId :
 MW-1

Tgt Ion:264 Resp: 941824
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.5 27.7
 265 19.9 17.3 25.9

