

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121423\
 Data File : BG060010.D
 Acq On : 14 Dec 2023 12:49
 Operator : MA/JU
 Sample : PB157646TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB157646TB

Quant Time: Dec 14 13:36:14 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)

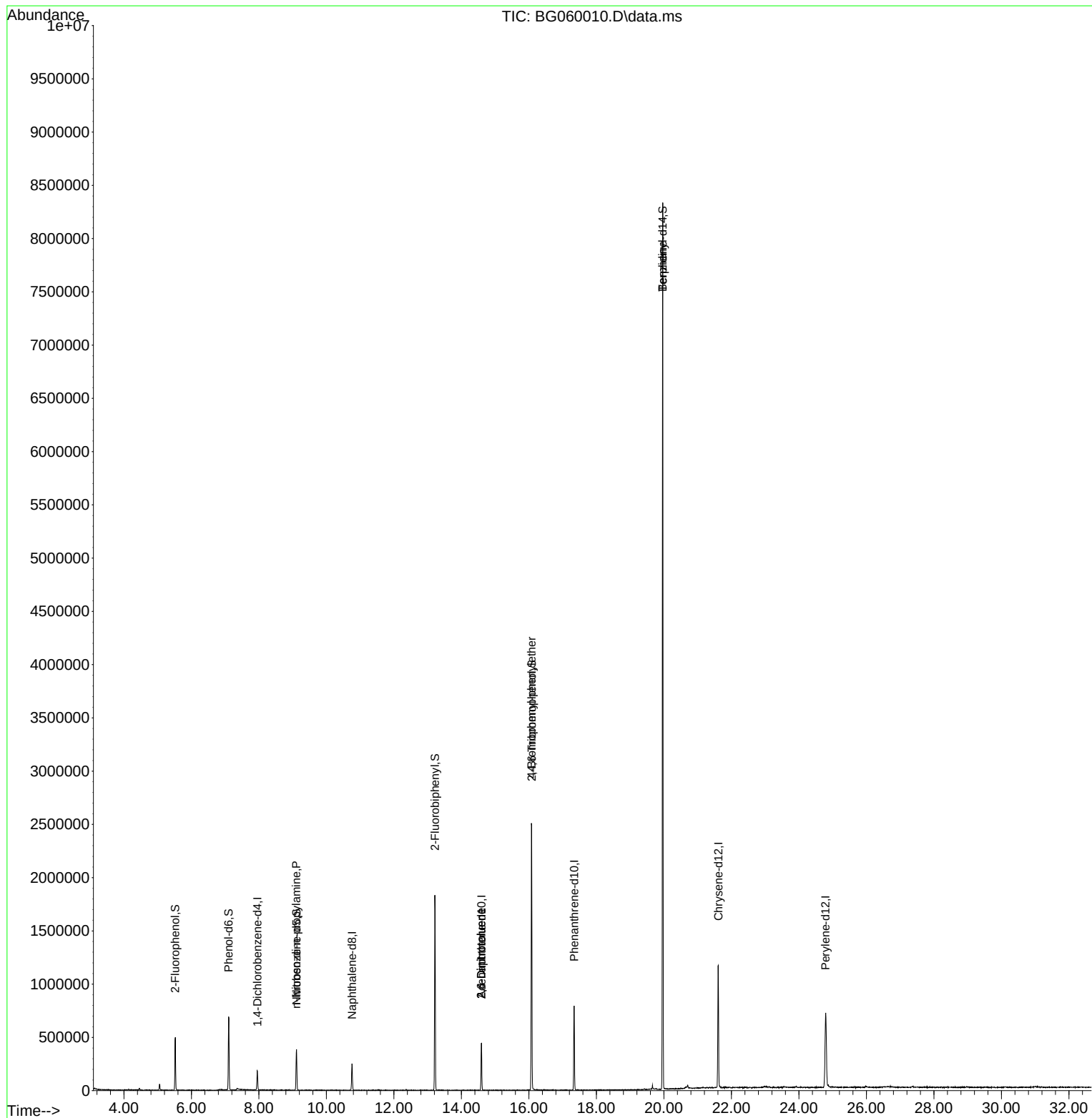
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	47036	20.000	ng	0.00
21) Naphthalene-d8	10.758	136	187219	20.000	ng	# 0.00
39) Acenaphthene-d10	14.595	164	160078	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	543840	20.000	ng	0.00
76) Chrysene-d12	21.610	240	787822	20.000	ng	# 0.00
86) Perylene-d12	24.789	264	893447	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	177902	64.747	ng	0.00
7) Phenol-d6	7.104	99	353282	91.405	ng	0.00
23) Nitrobenzene-d5	9.113	82	223190	54.133	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	614310	164.670	ng	0.00
45) 2-Fluorobiphenyl	13.214	172	998607	76.350	ng	0.00
79) Terphenyl-d14	19.965	244	4308815	99.853	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.107	70	30912	12.396	ng	# 73
51) 2,6-Dinitrotoluene	14.589	165	19952	7.752	ng	# 25
57) 2,4-Dinitrotoluene	14.589	165	19952	5.514	ng	# 28
67) 4-Bromophenyl-phenylether	16.075	248	36455	4.751	ng	# 1
69) Atrazine	16.898	200	82	Below Cal		# 62
77) Benzidine	19.965	184	75651	7.476	ng	# 93

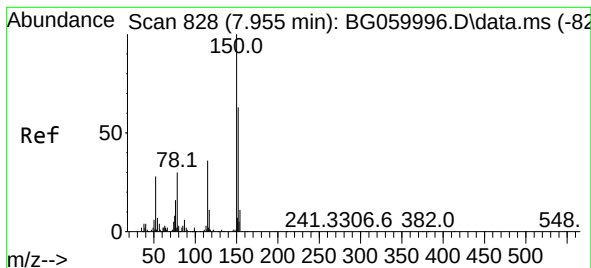
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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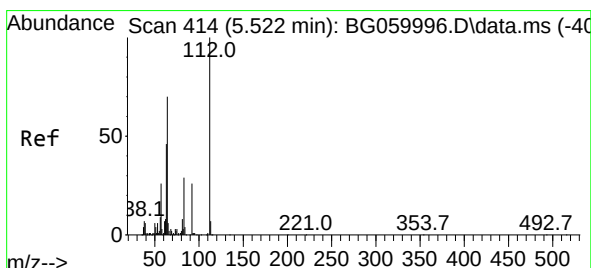
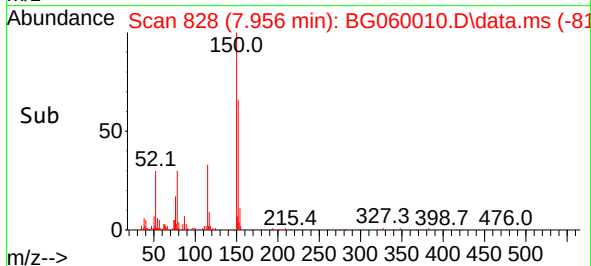
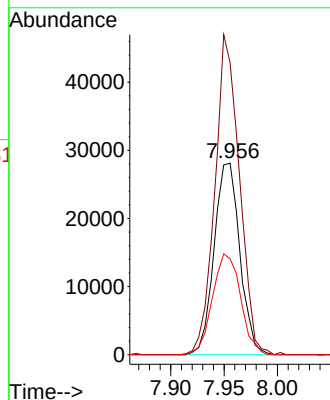
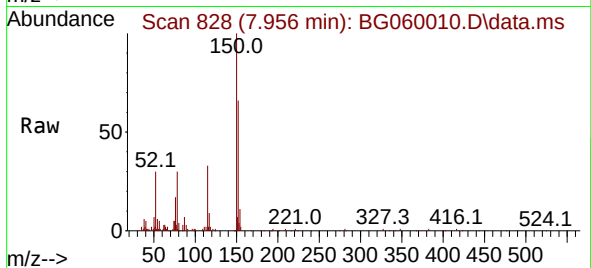




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.956 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG060010.D
Acq: 14 Dec 2023 12:49

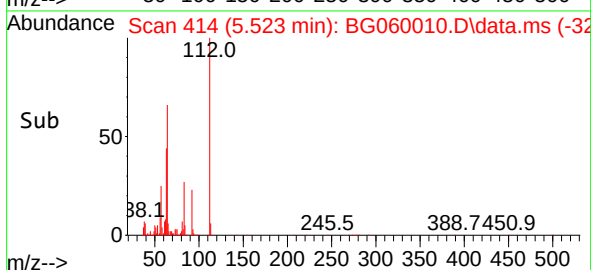
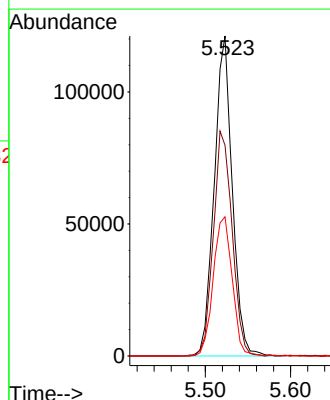
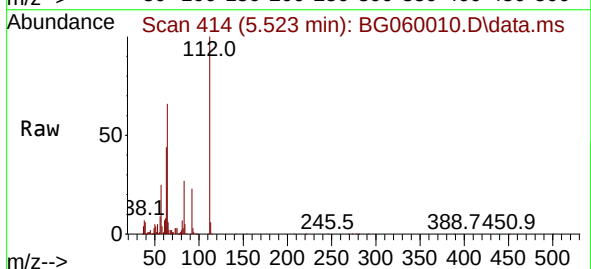
Instrument :
BNA_G
ClientSampleId :
PB157646TB

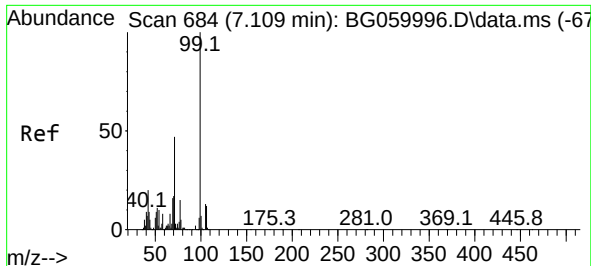
Tgt Ion:152 Resp: 47036
Ion Ratio Lower Upper
152 100
150 152.3 127.0 190.6
115 50.0 45.7 68.5



#5
2-Fluorophenol
Concen: 64.747 ng
RT: 5.523 min Scan# 414
Delta R.T. 0.001 min
Lab File: BG060010.D
Acq: 14 Dec 2023 12:49

Tgt Ion:112 Resp: 177902
Ion Ratio Lower Upper
112 100
64 65.8 55.9 83.9
63 43.5 36.5 54.7

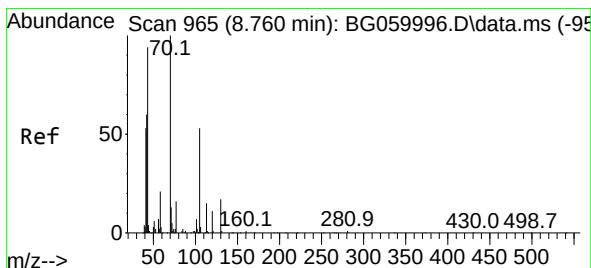
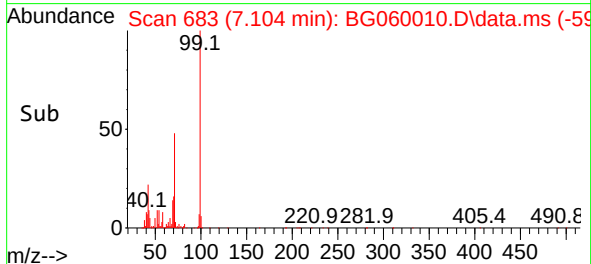
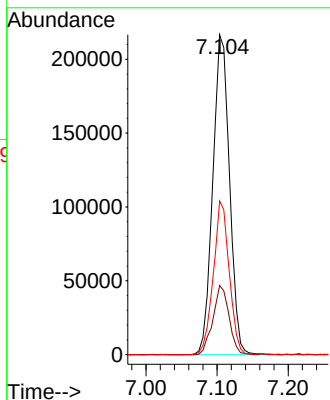
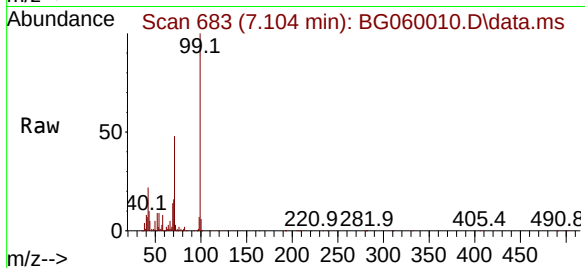




#7
Phenol-d6
Concen: 91.405 ng
RT: 7.104 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG060010.D
Acq: 14 Dec 2023 12:49

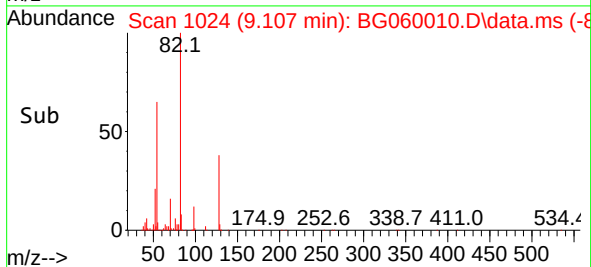
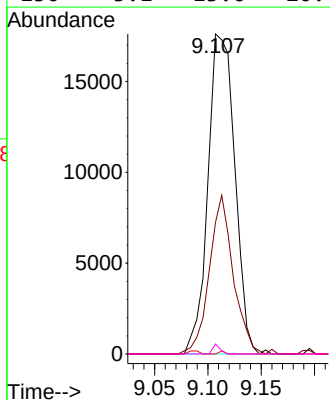
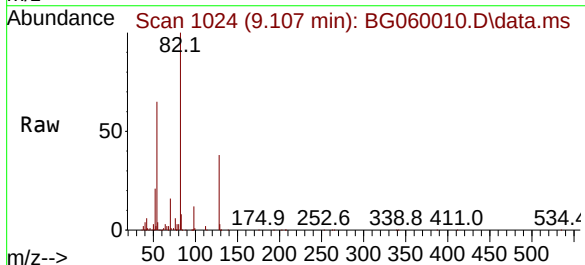
Instrument :
BNA_G
ClientSampleId :
PB157646TB

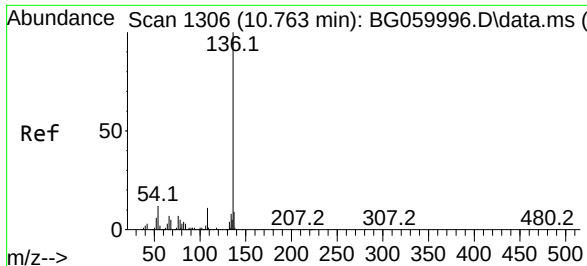
Tgt Ion: 99 Resp: 353282
Ion Ratio Lower Upper
99 100
42 21.6 16.2 24.4
71 48.0 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.396 ng
RT: 9.107 min Scan# 1024
Delta R.T. 0.347 min
Lab File: BG060010.D
Acq: 14 Dec 2023 12:49

Tgt Ion: 70 Resp: 30912
Ion Ratio Lower Upper
70 100
42 41.1 48.6 73.0#
101 0.0 5.7 8.5#
130 3.1 13.6 20.4#

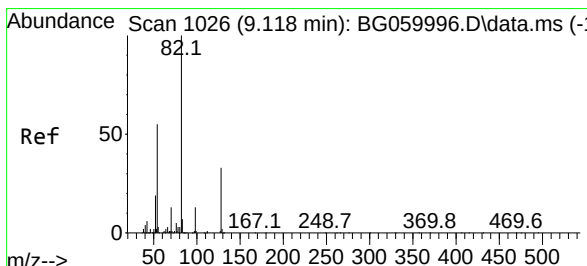
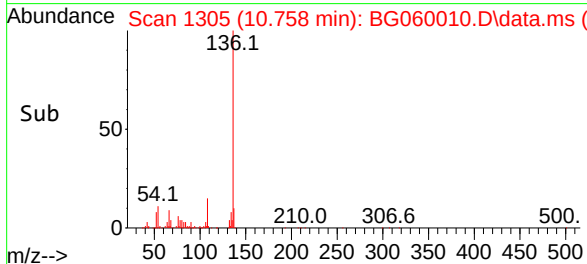
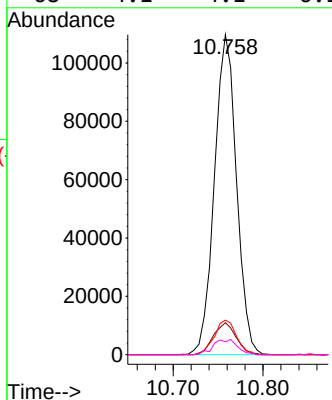
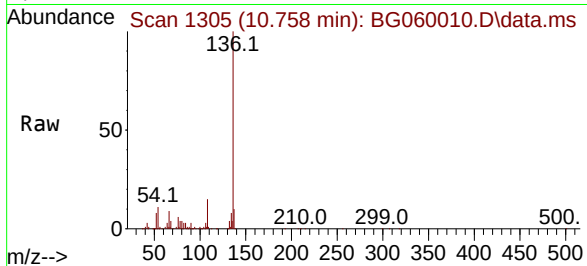




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG060010.D
Acq: 14 Dec 2023 12:49

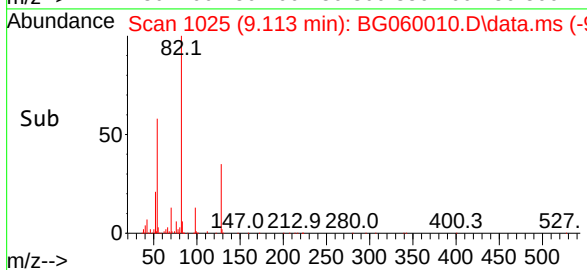
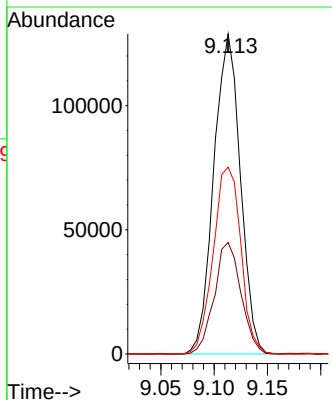
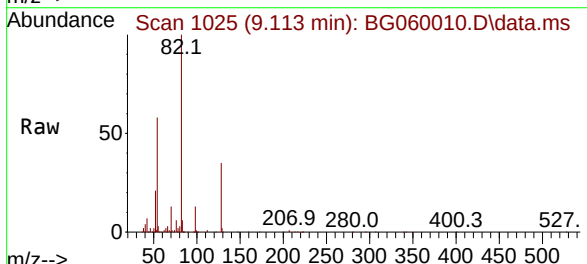
Instrument :
BNA_G
ClientSampleId :
PB157646TB

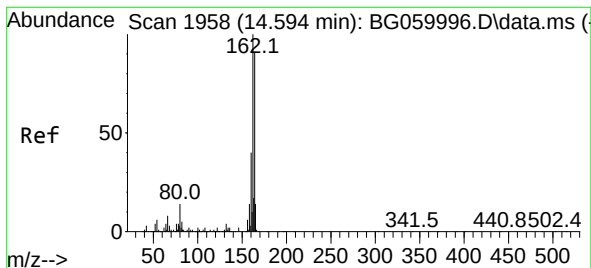
Tgt Ion:136 Resp: 187219
Ion Ratio Lower Upper
136 100
137 10.0 7.3 10.9
54 10.8 9.6 14.4
68 4.1 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 54.133 ng
RT: 9.113 min Scan# 1025
Delta R.T. -0.005 min
Lab File: BG060010.D
Acq: 14 Dec 2023 12:49

Tgt Ion: 82 Resp: 223190
Ion Ratio Lower Upper
82 100
128 34.9 26.3 39.5
54 58.4 44.3 66.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.595 min Scan# 1958

Delta R.T. 0.001 min

Lab File: BG060010.D

Acq: 14 Dec 2023 12:49

Instrument :

BNA_G

ClientSampleId :

PB157646TB

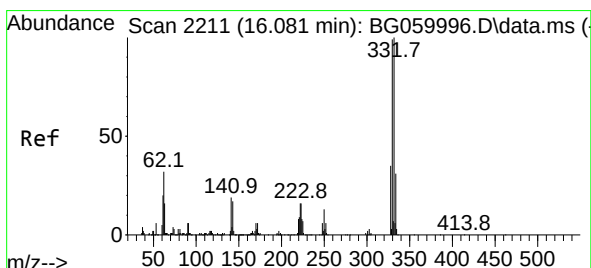
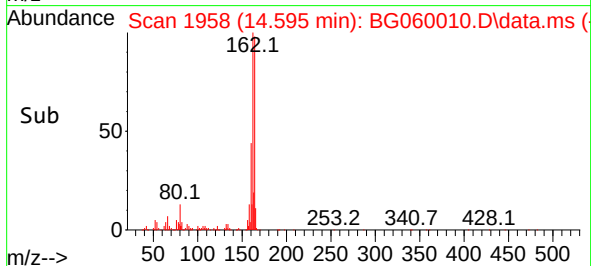
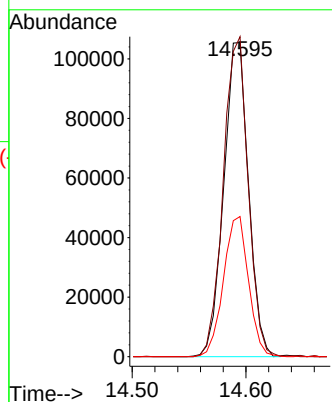
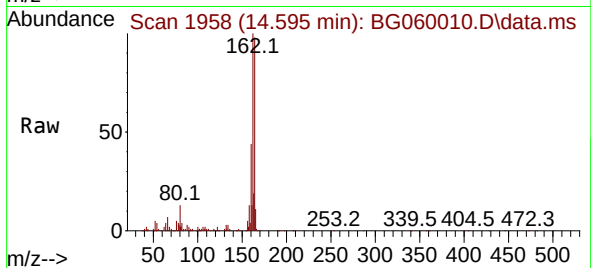
Tgt Ion:164 Resp: 160078

Ion Ratio Lower Upper

164 100

162 101.9 88.1 132.1

160 44.6 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 164.670 ng

RT: 16.081 min Scan# 2211

Delta R.T. 0.001 min

Lab File: BG060010.D

Acq: 14 Dec 2023 12:49

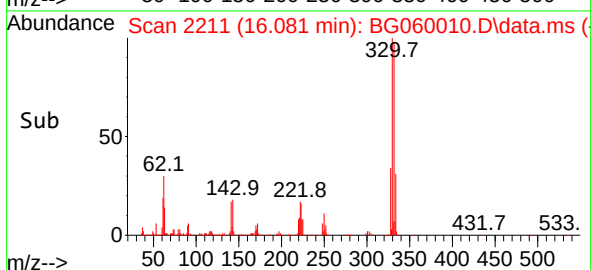
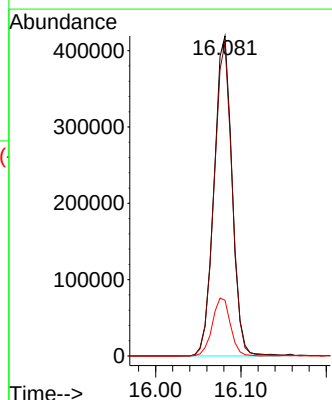
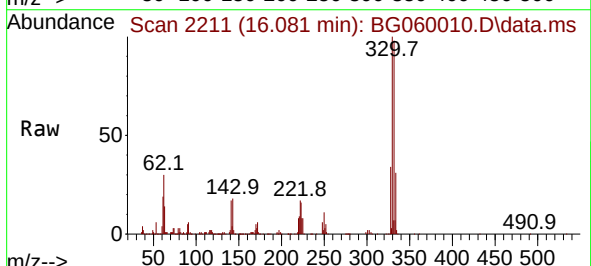
Tgt Ion:330 Resp: 614310

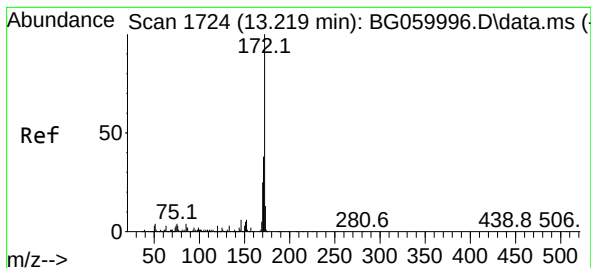
Ion Ratio Lower Upper

330 100

332 98.0 76.2 114.4

141 18.2 14.3 21.5

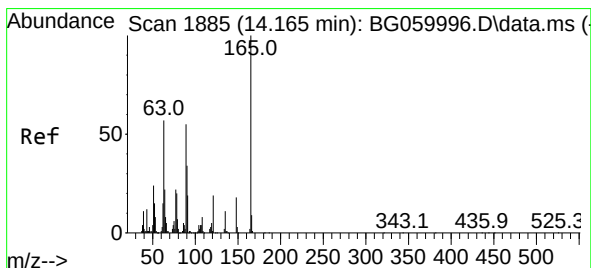
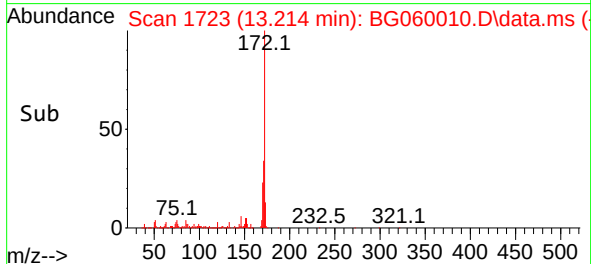
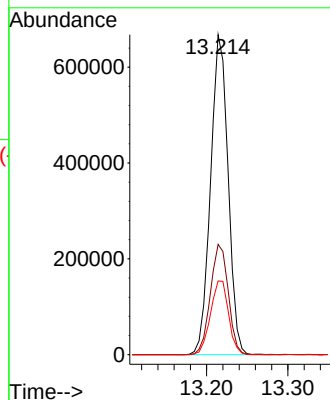
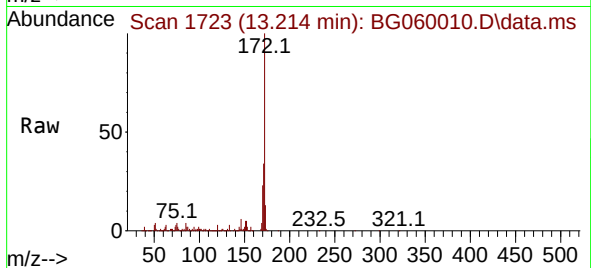




#45
2-Fluorobiphenyl
Concen: 76.350 ng
RT: 13.214 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG060010.D
Acq: 14 Dec 2023 12:49

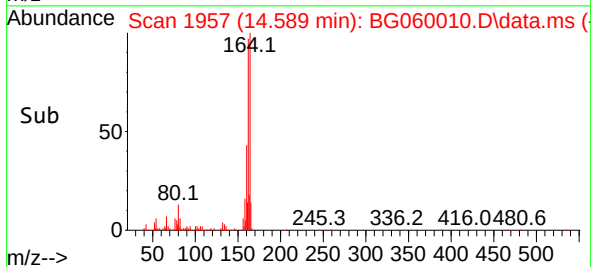
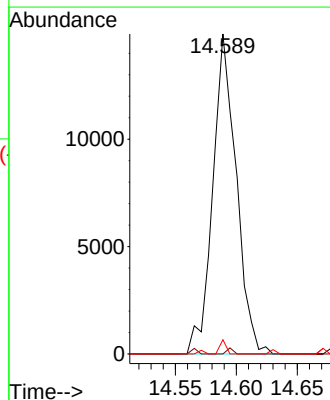
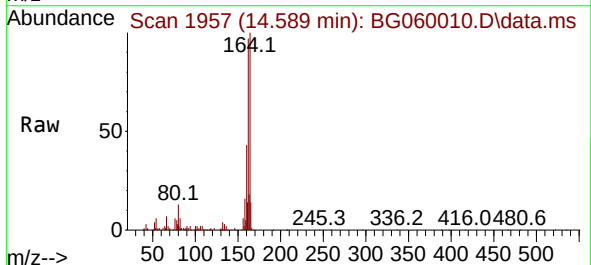
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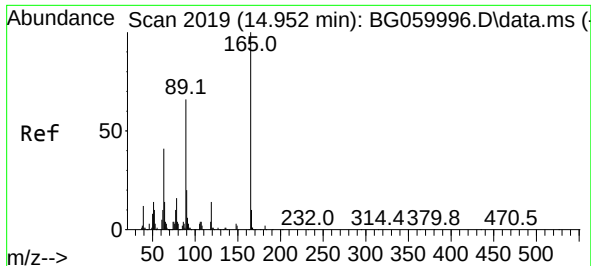
Tgt Ion:172 Resp: 998607
Ion Ratio Lower Upper
172 100
171 34.4 30.1 45.1
170 23.1 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 7.752 ng
RT: 14.589 min Scan# 1957
Delta R.T. 0.424 min
Lab File: BG060010.D
Acq: 14 Dec 2023 12:49

Tgt Ion:165 Resp: 19952
Ion Ratio Lower Upper
165 100
63 0.0 48.2 72.2#
89 4.4 44.4 66.6#

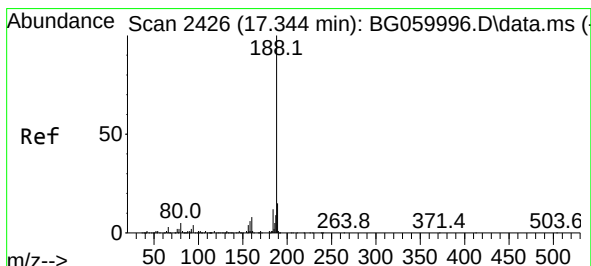
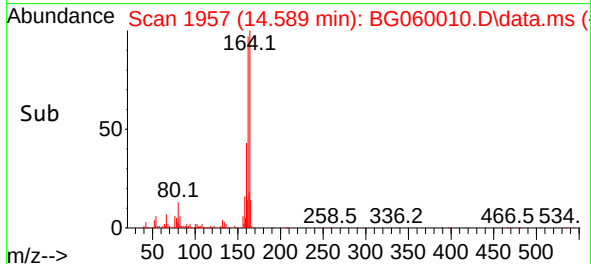
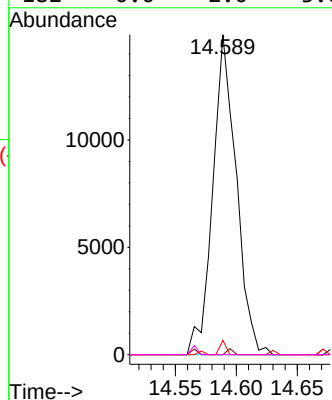
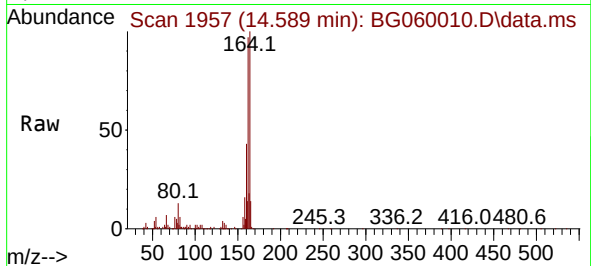




#57
2,4-Dinitrotoluene
Concen: 5.514 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.364 min
Lab File: BG060010.D
Acq: 14 Dec 2023 12:49

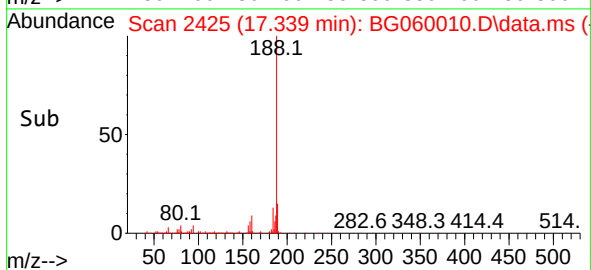
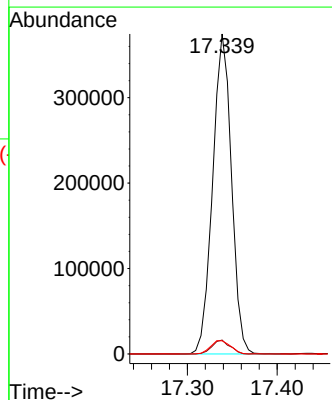
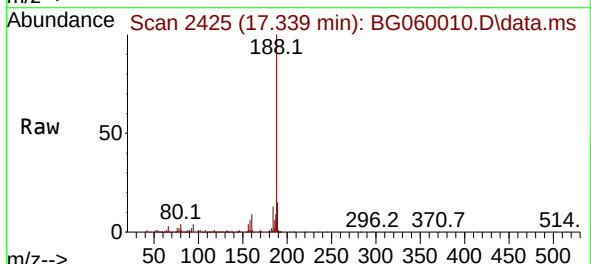
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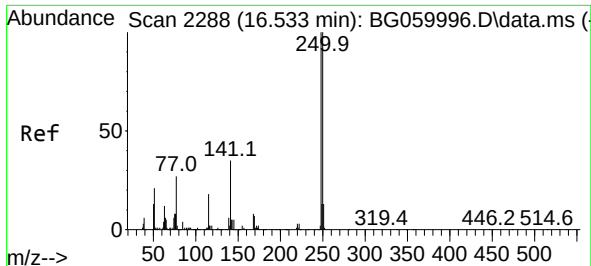
Tgt Ion:165 Resp: 19952
Ion Ratio Lower Upper
165 100
63 0.0 32.8 49.2#
89 4.4 53.0 79.6#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.005 min
Lab File: BG060010.D
Acq: 14 Dec 2023 12:49

Tgt Ion:188 Resp: 543840
Ion Ratio Lower Upper
188 100
94 4.3 3.0 4.6
80 4.1 4.0 6.0

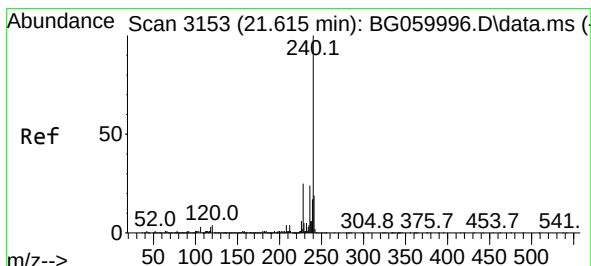
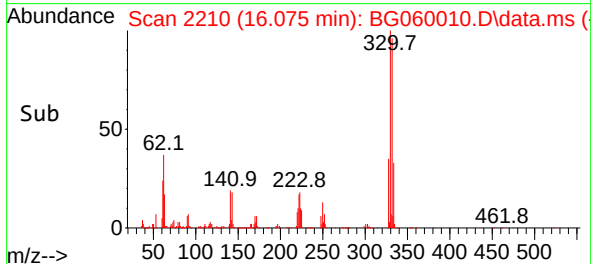
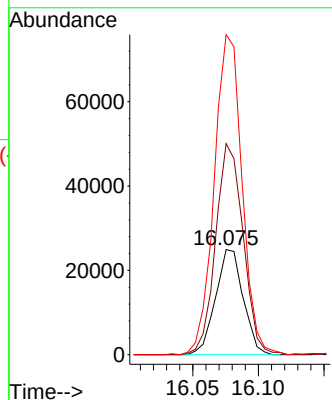
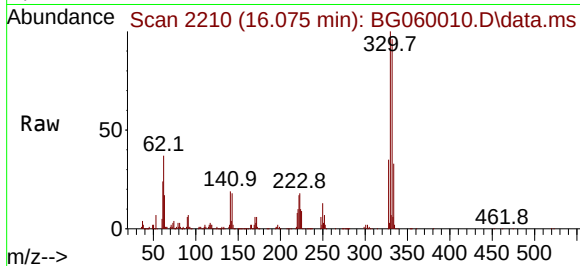




#67
4-Bromophenyl-phenylether
Concen: 4.751 ng
RT: 16.075 min Scan# 21
Delta R.T. -0.458 min
Lab File: BG060010.D
Acq: 14 Dec 2023 12:49

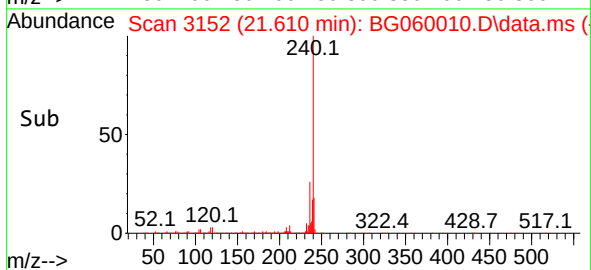
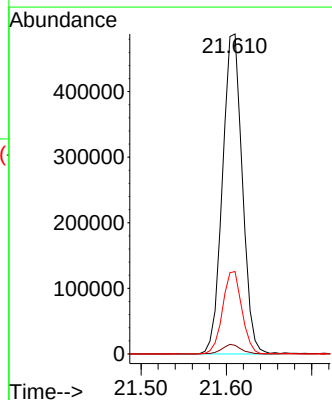
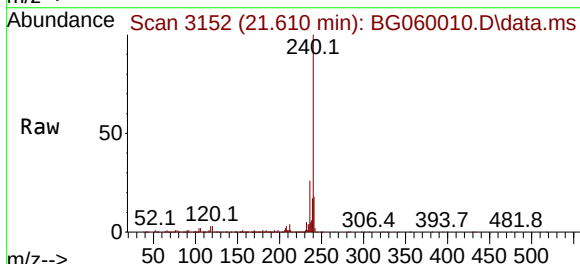
Instrument :
BNA_G
ClientSampleId :
PB157646TB

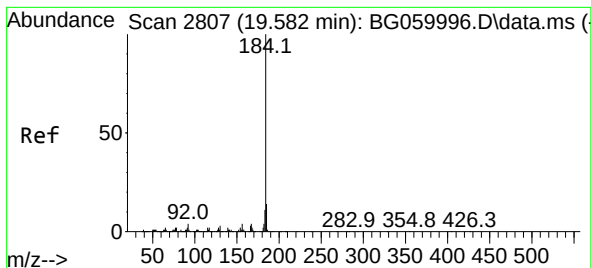
Tgt Ion:248 Resp: 36455
Ion Ratio Lower Upper
248 100
250 200.7 79.9 119.9#
141 304.3 28.3 42.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3152
Delta R.T. -0.005 min
Lab File: BG060010.D
Acq: 14 Dec 2023 12:49

Tgt Ion:240 Resp: 787822
Ion Ratio Lower Upper
240 100
120 2.7 2.9 4.3#
236 25.7 19.4 29.2





#77

Benzidine

Concen: 7.476 ng

RT: 19.965 min Scan# 2872

Delta R.T. 0.383 min

Lab File: BG060010.D

Acq: 14 Dec 2023 12:49

Instrument :

BNA_G

ClientSampleId :

PB157646TB

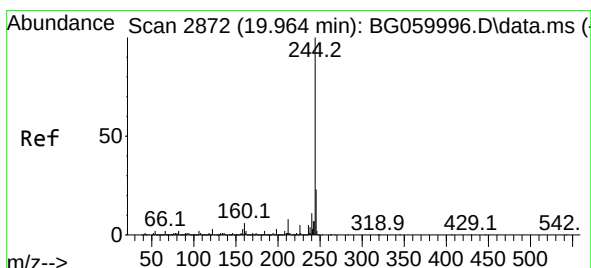
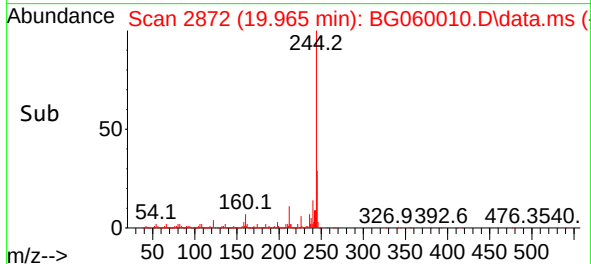
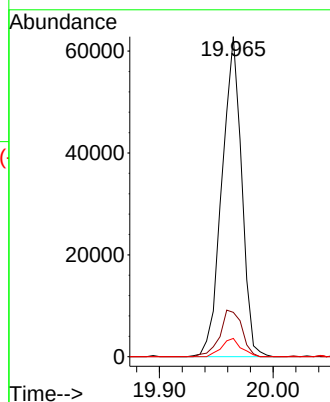
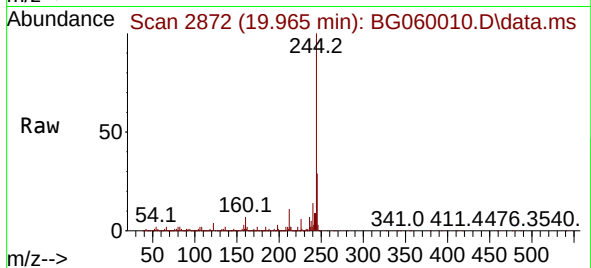
Tgt Ion:184 Resp: 75651

Ion Ratio Lower Upper

184 100

185 13.9 11.1 16.7

183 5.7 9.0 13.4#



#79

Terphenyl-d14

Concen: 99.853 ng

RT: 19.965 min Scan# 2872

Delta R.T. 0.001 min

Lab File: BG060010.D

Acq: 14 Dec 2023 12:49

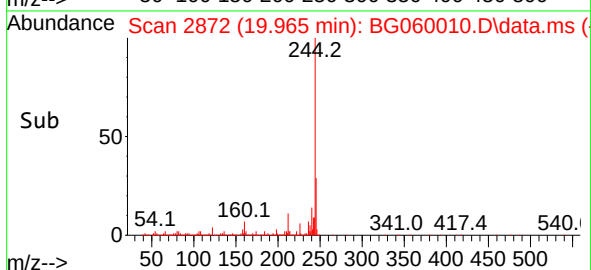
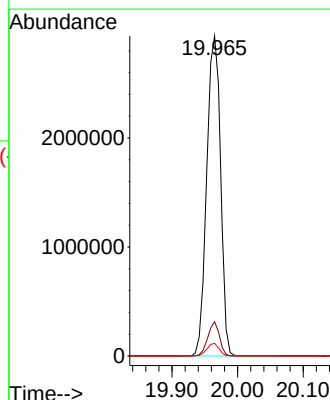
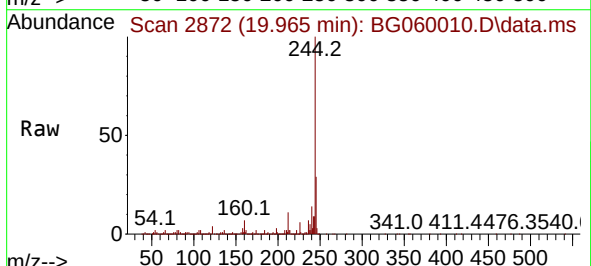
Tgt Ion:244 Resp: 4308815

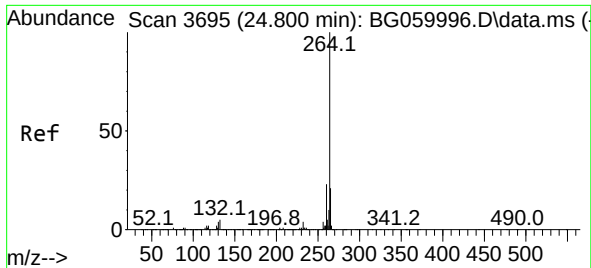
Ion Ratio Lower Upper

244 100

212 10.7 6.8 10.2#

122 4.0 2.6 3.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.789 min Scan# 30
 Delta R.T. -0.011 min
 Lab File: BG060010.D
 Acq: 14 Dec 2023 12:49

Instrument :
 BNA_G
 ClientSampleId :
 PB157646TB

Tgt Ion:264 Resp: 893447
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.5 27.7
 265 19.7 17.3 25.9

