

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060039.D
 Acq On : 15 Dec 2023 17:11
 Operator : MA/JU
 Sample : 05829-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-12

Quant Time: Dec 16 02:03:32 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)

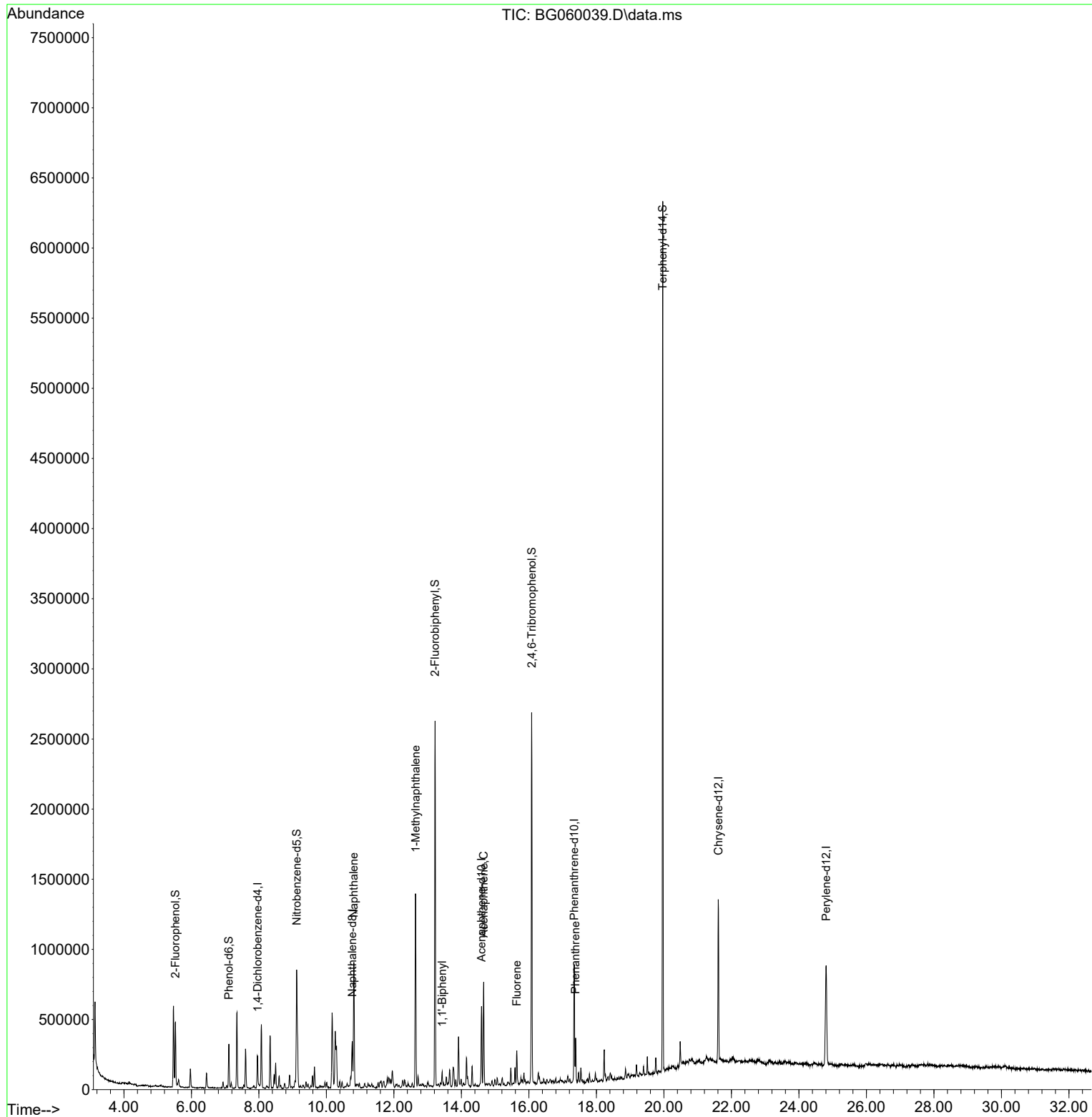
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.961	152	67081	20.000	ng	0.00
21) Naphthalene-d8	10.764	136	248809	20.000	ng	0.00
39) Acenaphthene-d10	14.595	164	194884	20.000	ng	0.00
64) Phenanthrene-d10	17.344	188	600914	20.000	ng	# 0.00
76) Chrysene-d12	21.610	240	747953	20.000	ng	0.00
86) Perylene-d12	24.806	264	867786	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	176326	44.997	ng	0.00
7) Phenol-d6	7.109	99	150063	27.224	ng	0.00
23) Nitrobenzene-d5	9.119	82	455193	83.074	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	617402	135.941	ng	0.00
45) 2-Fluorobiphenyl	13.220	172	1414931	88.859	ng	0.00
79) Terphenyl-d14	19.965	244	3321209	81.069	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.811	128	644303	49.744	ng	100
38) 1-Methylnaphthalene	12.644	142	611338	60.921	ng	95
46) 1,1'-Biphenyl	13.431	154	51896	3.591	ng	97
52) Acenaphthene	14.659	154	280634	23.811	ng	94
58) Fluorene	15.641	166	116016	7.172	ng	92
71) Phenanthrene	17.380	178	221691	7.617	ng	99

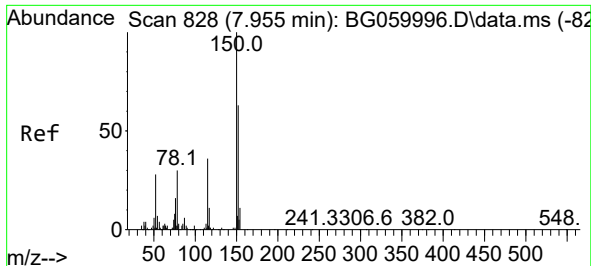
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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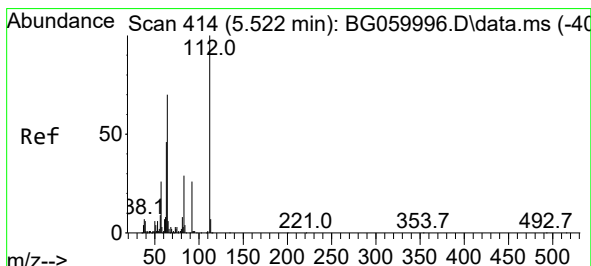
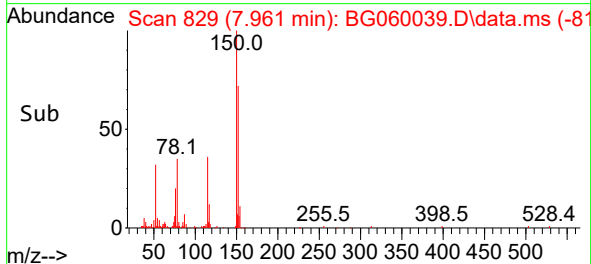
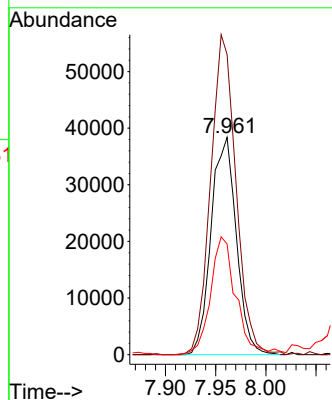
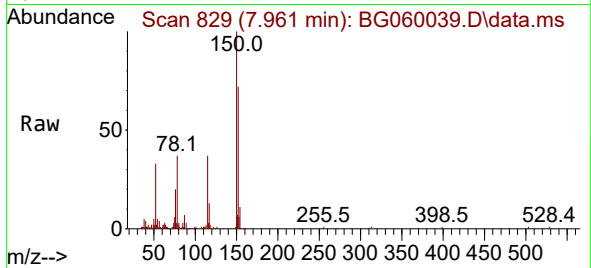




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.961 min Scan# 81
Delta R.T. 0.006 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

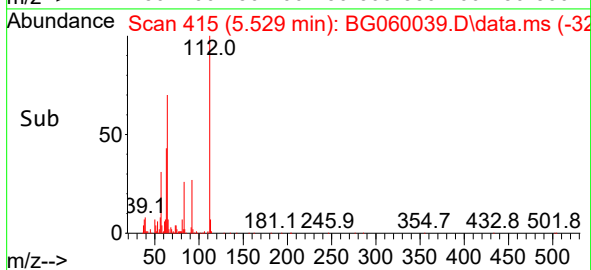
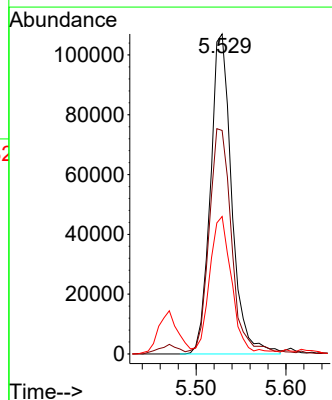
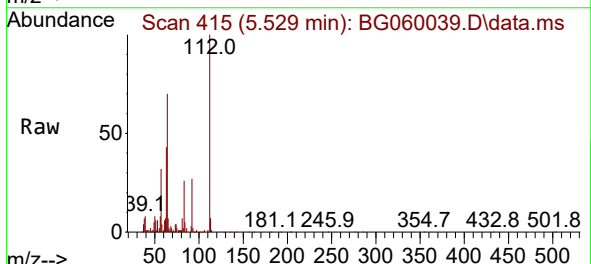
Instrument :
BNA_G
ClientSampleId :
MW-12

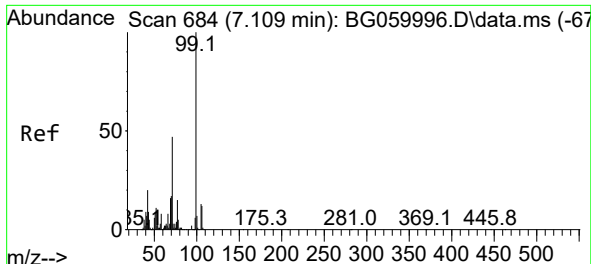
Tgt Ion:152 Resp: 67081
Ion Ratio Lower Upper
152 100
150 138.2 127.0 190.6
115 51.0 45.7 68.5



#5
2-Fluorophenol
Concen: 44.997 ng
RT: 5.529 min Scan# 415
Delta R.T. 0.007 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion:112 Resp: 176326
Ion Ratio Lower Upper
112 100
64 69.9 55.9 83.9
63 43.0 36.5 54.7

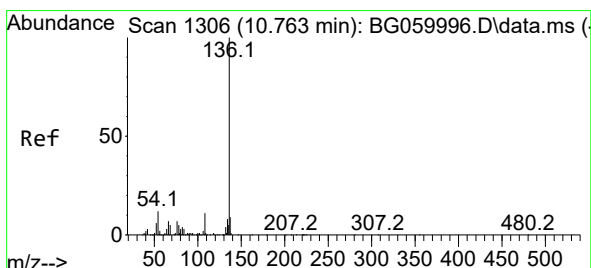
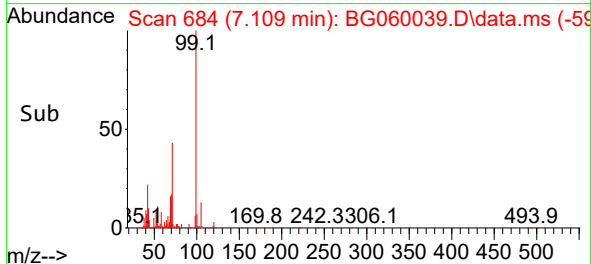
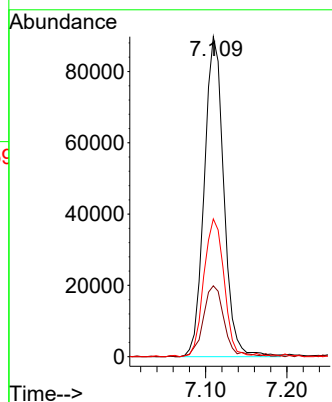
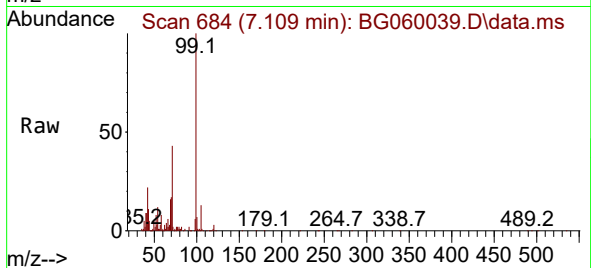




#7
Phenol-d6
Concen: 27.224 ng
RT: 7.109 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

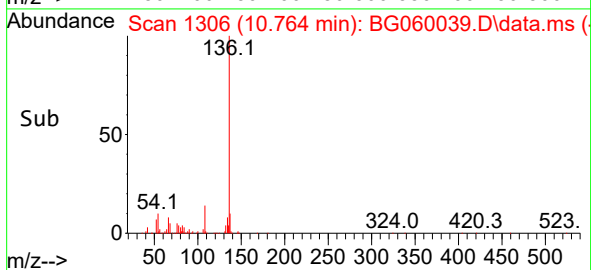
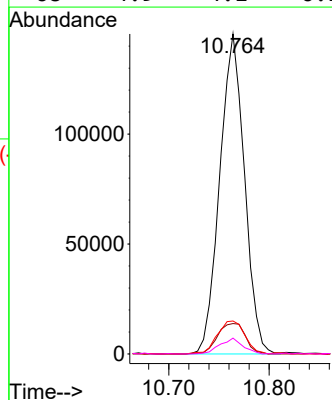
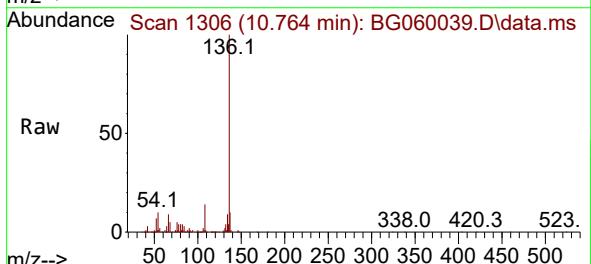
Instrument :
BNA_G
ClientSampleId :
MW-12

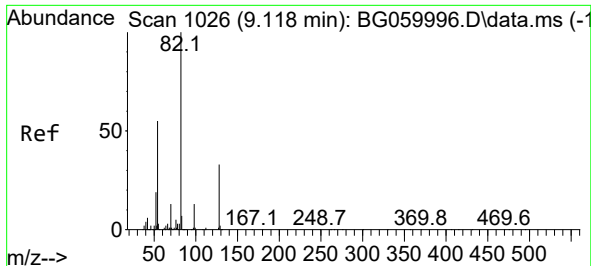
Tgt Ion: 99 Resp: 150063
Ion Ratio Lower Upper
99 100
42 22.1 16.2 24.4
71 43.1 37.6 56.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.764 min Scan# 1306
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion:136 Resp: 248809
Ion Ratio Lower Upper
136 100
137 9.5 7.3 10.9
54 10.3 9.6 14.4
68 4.9 4.1 6.1

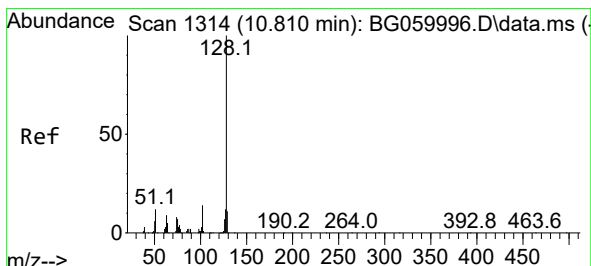
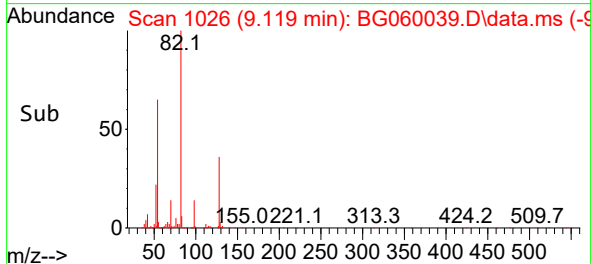
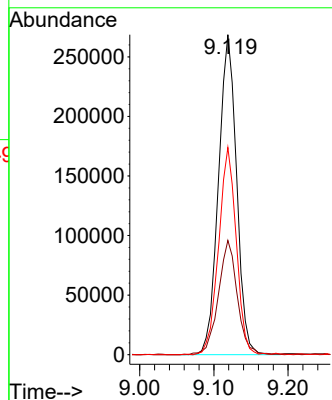
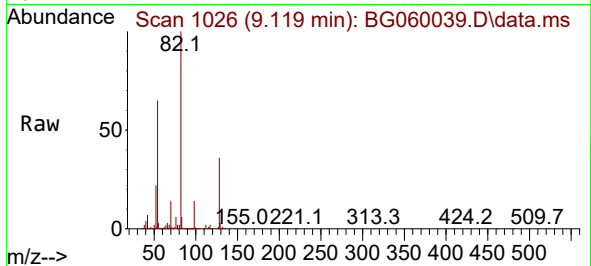




#23
Nitrobenzene-d5
Concen: 83.074 ng
RT: 9.119 min Scan# 1026
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

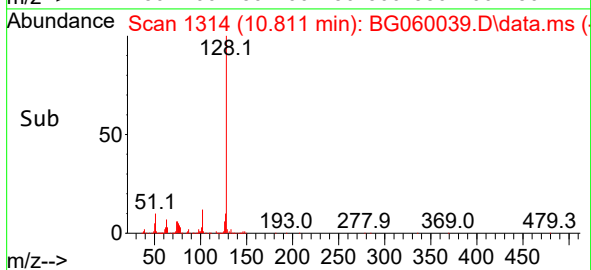
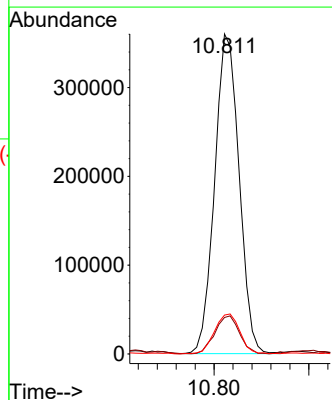
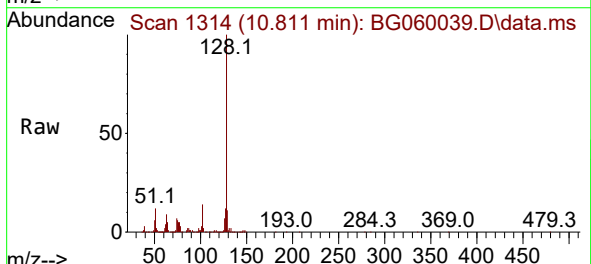
Instrument :
BNA_G
ClientSampleId :
MW-12

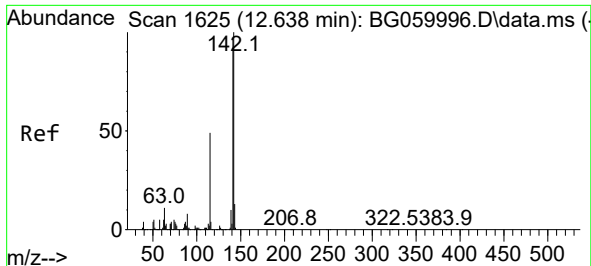
Tgt Ion: 82 Resp: 455193
Ion Ratio Lower Upper
82 100
128 35.7 26.3 39.5
54 64.7 44.3 66.5



#31
Naphthalene
Concen: 49.744 ng
RT: 10.811 min Scan# 1314
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion: 128 Resp: 644303
Ion Ratio Lower Upper
128 100
129 11.4 9.2 13.8
127 12.2 9.7 14.5

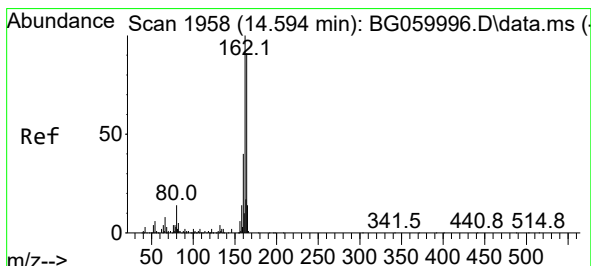
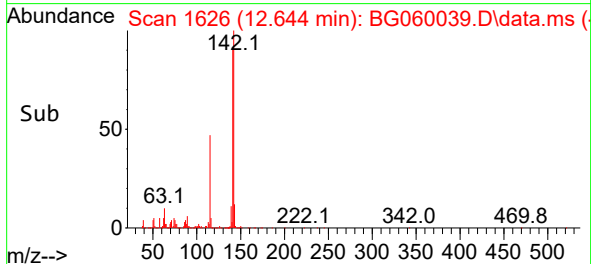
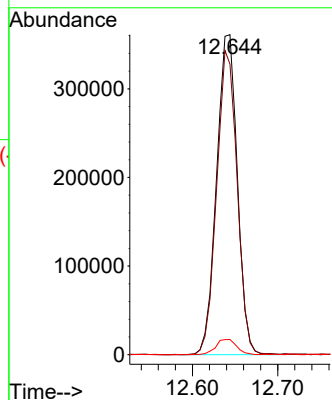
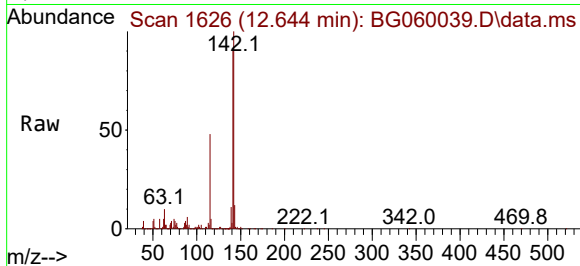




#38
1-Methylnaphthalene
Concen: 60.921 ng
RT: 12.644 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

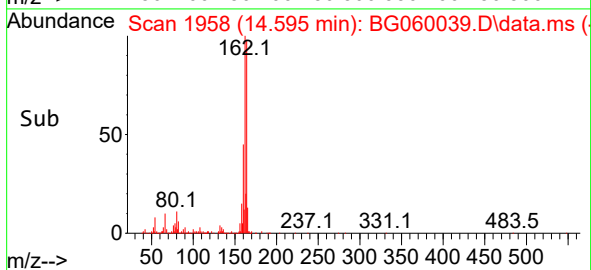
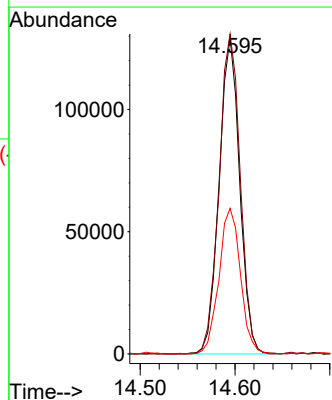
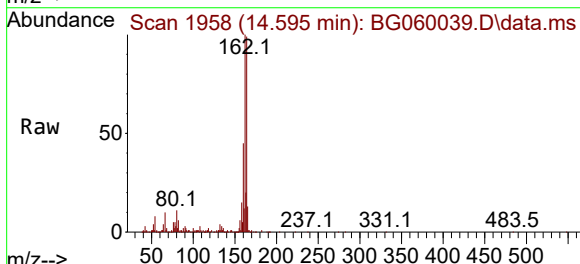
Instrument :
BNA_G
ClientSampleId :
MW-12

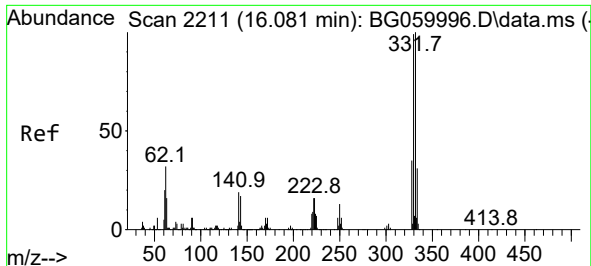
Tgt Ion:142 Resp: 611338
Ion Ratio Lower Upper
142 100
141 90.8 76.9 115.3
116 4.8 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.595 min Scan# 1958
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion:164 Resp: 194884
Ion Ratio Lower Upper
164 100
162 101.2 88.1 132.1
160 46.1 35.4 53.0

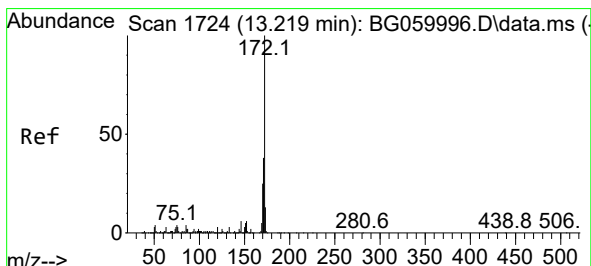
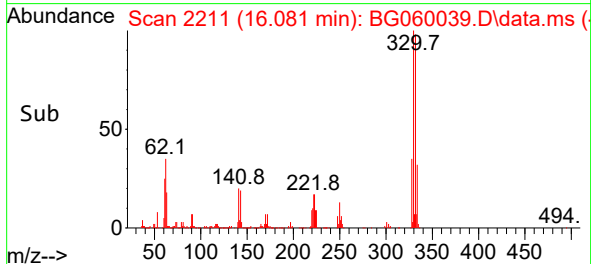
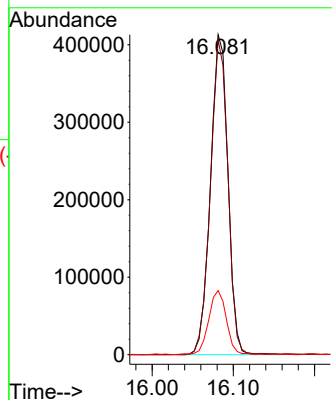
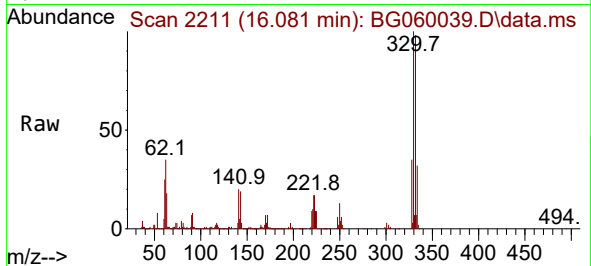




#42
2,4,6-Tribromophenol
Concen: 135.941 ng
RT: 16.081 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

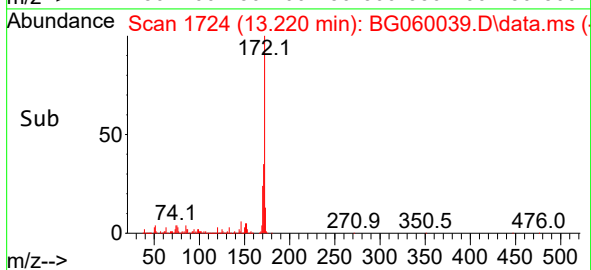
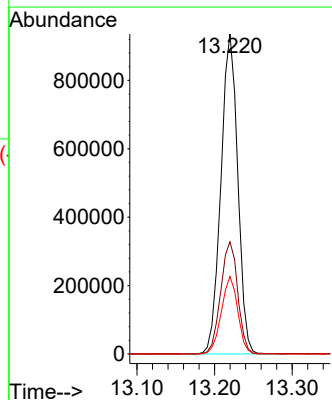
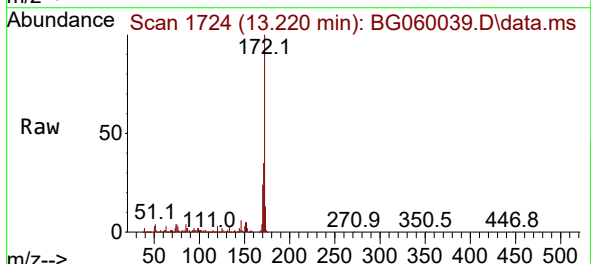
Instrument :
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ClientSampleId :
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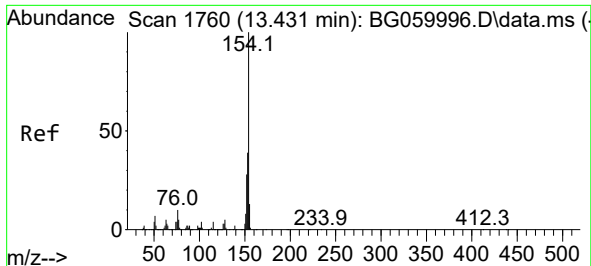
Tgt Ion:330 Resp: 617402
Ion Ratio Lower Upper
330 100
332 98.2 76.2 114.4
141 20.1 14.3 21.5



#45
2-Fluorobiphenyl
Concen: 88.859 ng
RT: 13.220 min Scan# 1724
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion:172 Resp: 1414931
Ion Ratio Lower Upper
172 100
171 35.0 30.1 45.1
170 24.2 20.0 30.0

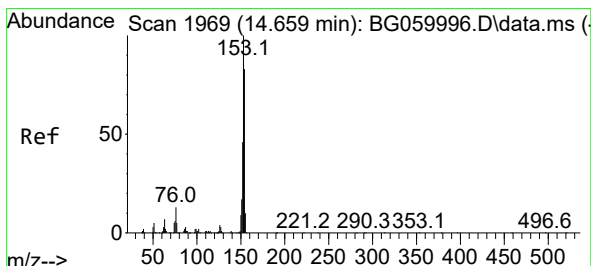
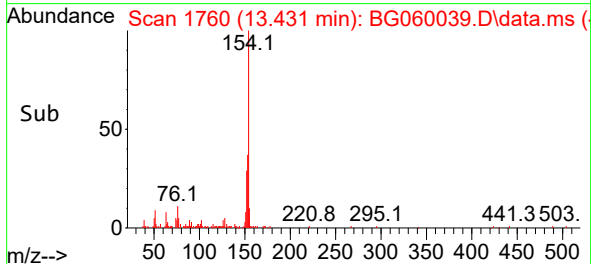
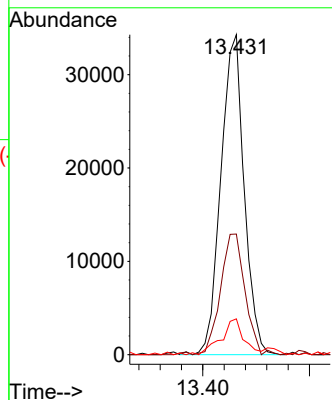
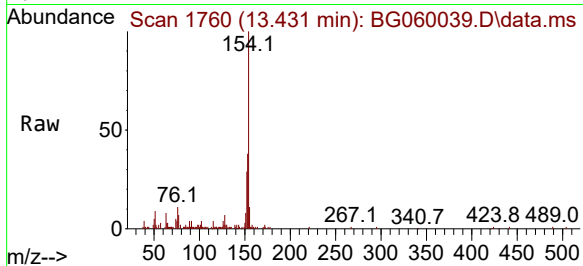




#46
1,1'-Biphenyl
Concen: 3.591 ng
RT: 13.431 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

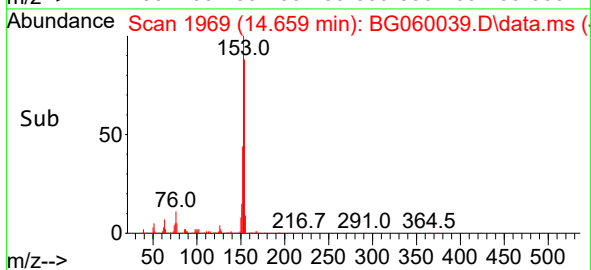
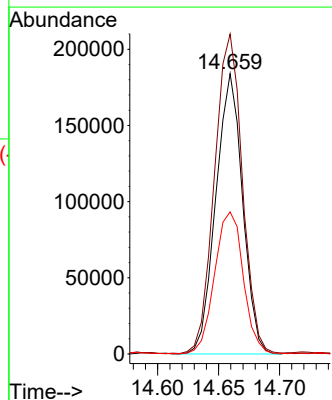
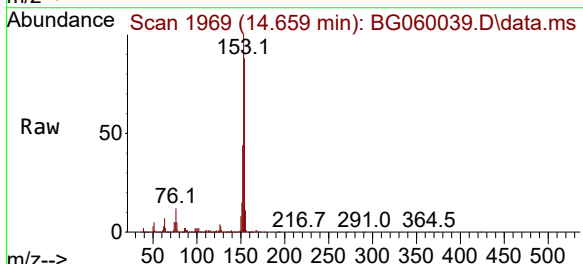
Instrument :
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MW-12

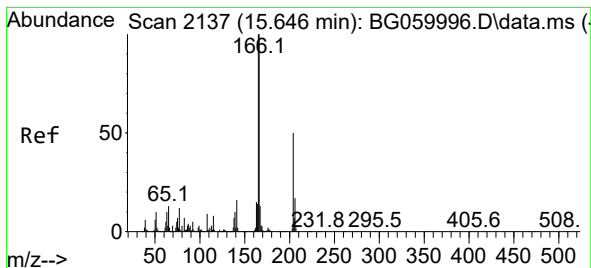
Tgt Ion:154 Resp: 51896
Ion Ratio Lower Upper
154 100
153 37.7 19.2 59.2
76 11.2 0.0 29.9



#52
Acenaphthene
Concen: 23.811 ng
RT: 14.659 min Scan# 1969
Delta R.T. 0.001 min
Lab File: BG060039.D
Acq: 15 Dec 2023 17:11

Tgt Ion:154 Resp: 280634
Ion Ratio Lower Upper
154 100
153 114.2 96.0 144.0
152 50.7 44.3 66.5





#58

Fluorene

Concen: 7.172 ng

RT: 15.641 min Scan# 2137

Delta R.T. -0.005 min

Lab File: BG060039.D

Acq: 15 Dec 2023 17:11

Instrument :

BNA_G

ClientSampleId :

MW-12

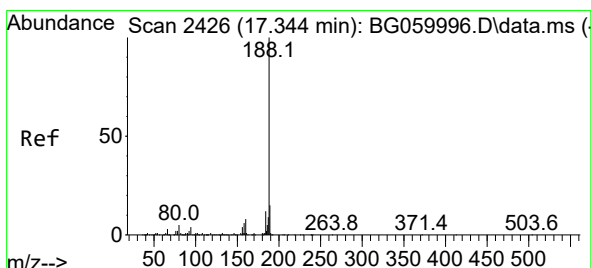
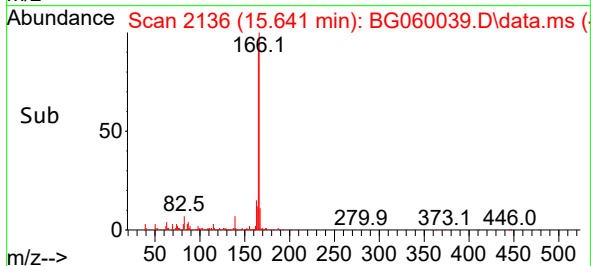
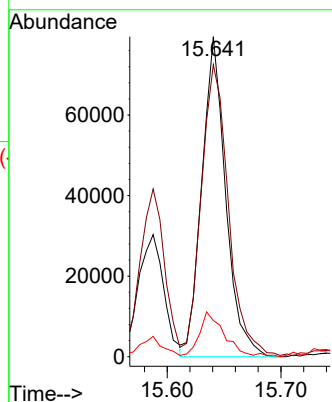
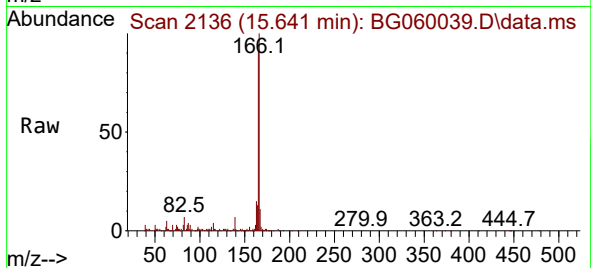
Tgt Ion:166 Resp: 116016

Ion Ratio Lower Upper

166 100

165 91.3 80.2 120.2

167 11.3 10.3 15.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.344 min Scan# 2426

Delta R.T. 0.001 min

Lab File: BG060039.D

Acq: 15 Dec 2023 17:11

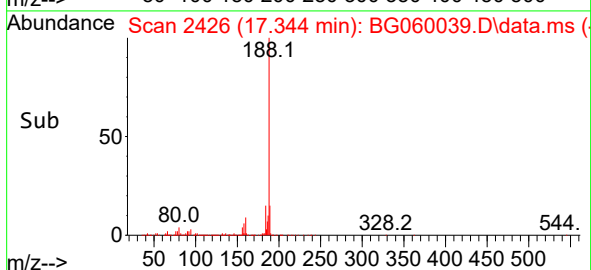
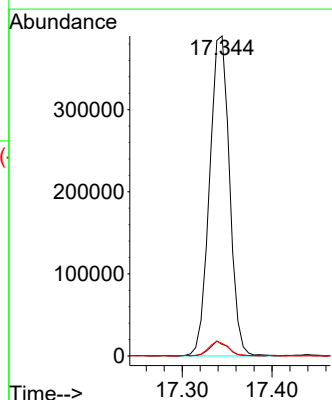
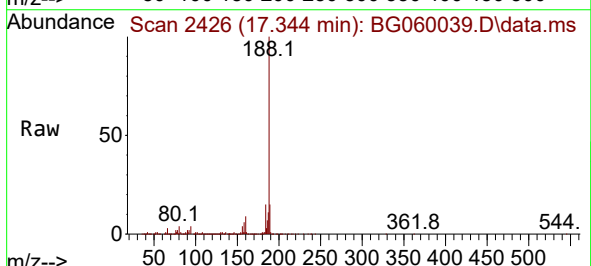
Tgt Ion:188 Resp: 600914

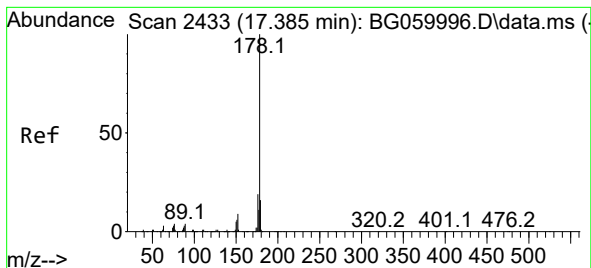
Ion Ratio Lower Upper

188 100

94 3.6 3.0 4.6

80 4.0 4.0 6.0#





#71

Phenanthrene

Concen: 7.617 ng

RT: 17.380 min Scan# 2433

Delta R.T. -0.005 min

Lab File: BG060039.D

Acq: 15 Dec 2023 17:11

Instrument :

BNA_G

ClientSampleId :

MW-12

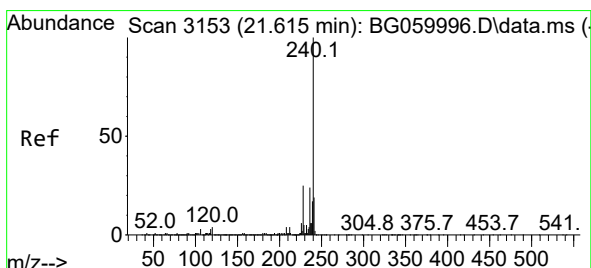
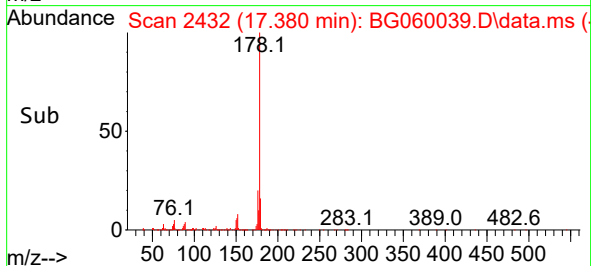
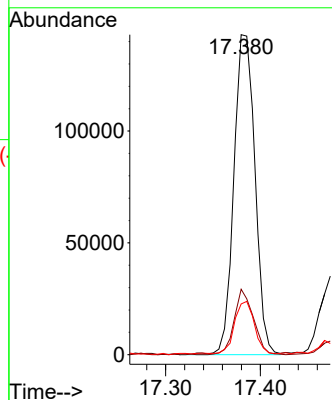
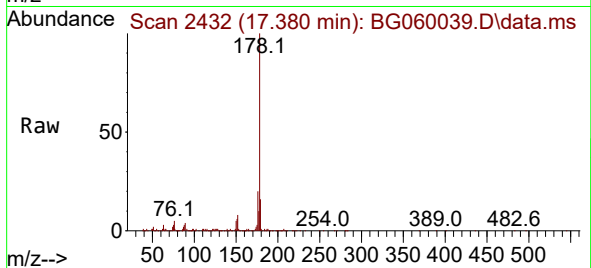
Tgt Ion:178 Resp: 221691

Ion Ratio Lower Upper

178 100

176 20.4 15.6 23.4

179 15.9 12.6 19.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.610 min Scan# 3152

Delta R.T. -0.005 min

Lab File: BG060039.D

Acq: 15 Dec 2023 17:11

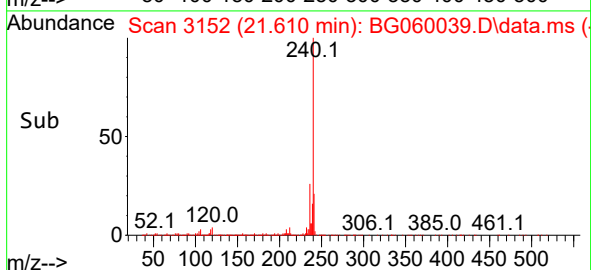
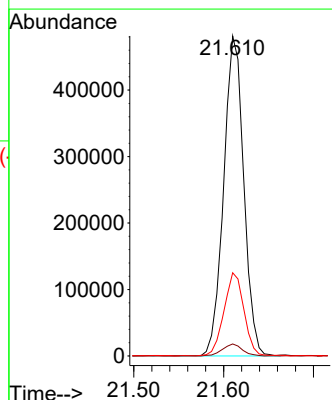
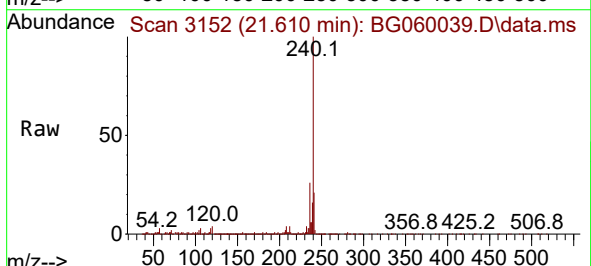
Tgt Ion:240 Resp: 747953

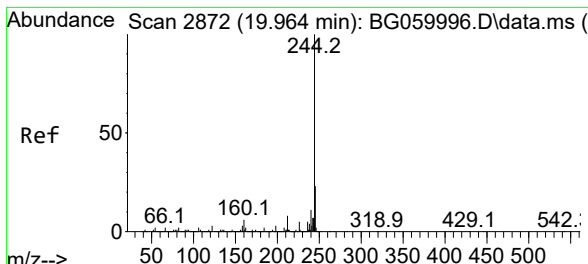
Ion Ratio Lower Upper

240 100

120 3.8 2.9 4.3

236 26.0 19.4 29.2





#79

Terphenyl-d14

Concen: 81.069 ng

RT: 19.965 min Scan# 2

Delta R.T. 0.001 min

Lab File: BG060039.D

Acq: 15 Dec 2023 17:11

Instrument :

BNA_G

ClientSampleId :

MW-12

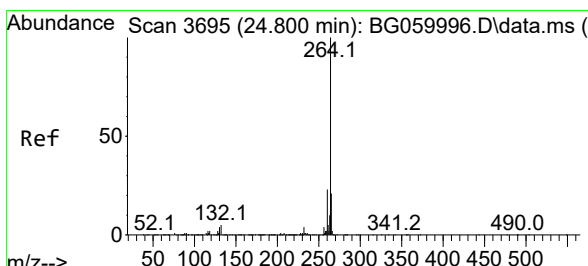
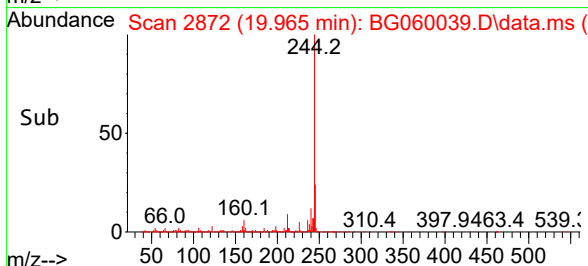
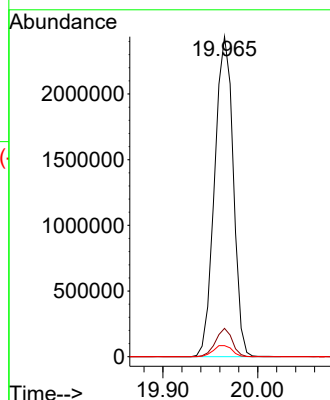
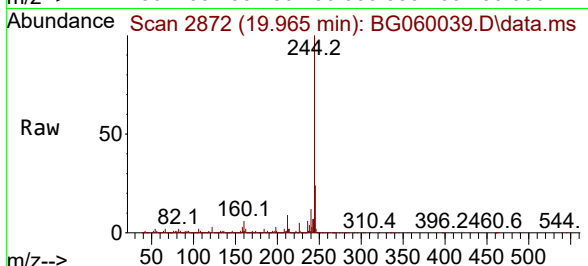
Tgt Ion:244 Resp: 3321209

Ion Ratio Lower Upper

244 100

212 8.8 6.8 10.2

122 3.5 2.6 3.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.806 min Scan# 3696

Delta R.T. 0.007 min

Lab File: BG060039.D

Acq: 15 Dec 2023 17:11

Tgt Ion:264 Resp: 867786

Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 20.0 17.3 25.9

