

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121923\
 Data File : BG060090.D
 Acq On : 19 Dec 2023 18:08
 Operator : MA/JU
 Sample : 05612-04DL2 100X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-04IDL2

Quant Time: Dec 20 00:45:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

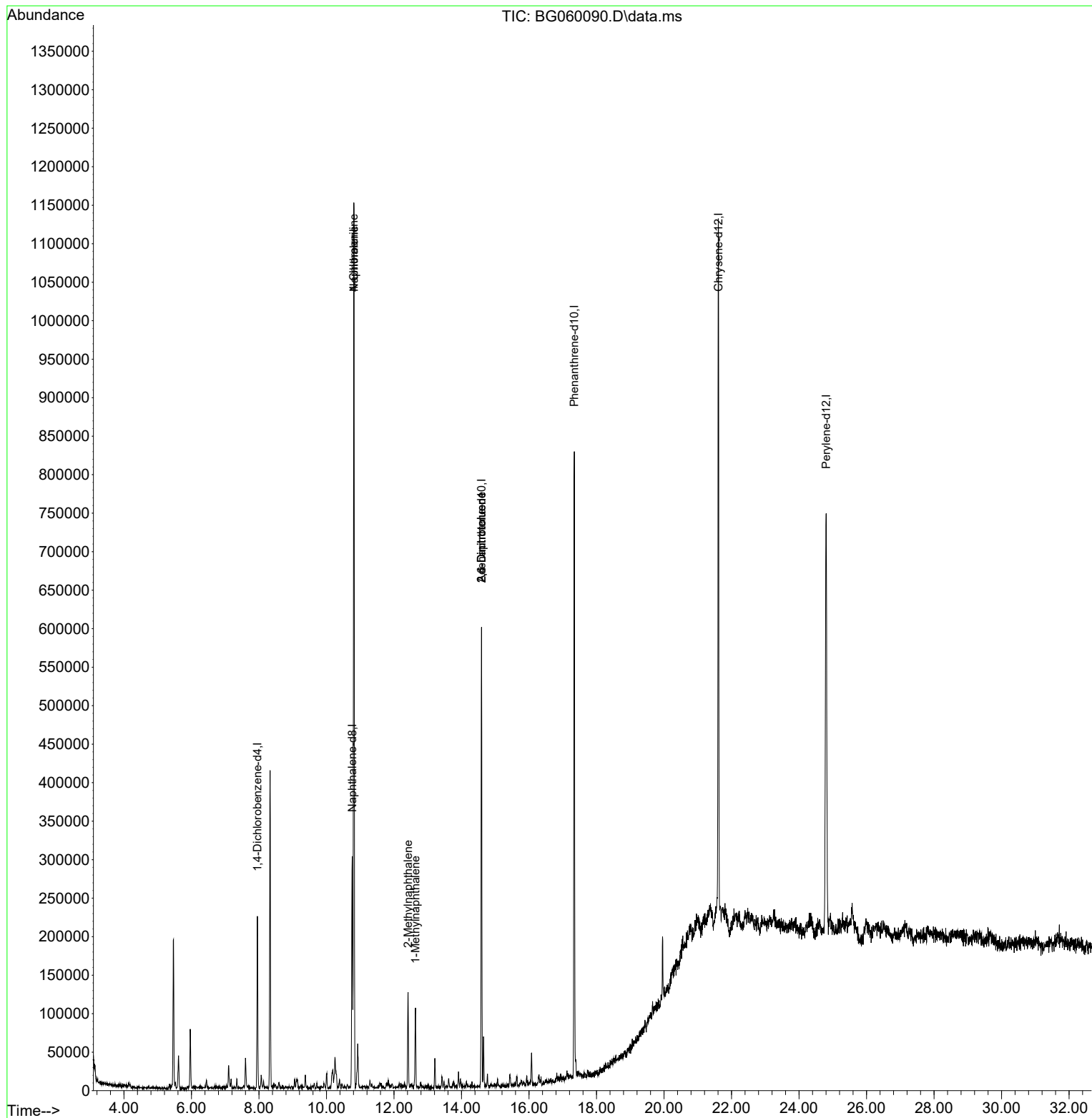
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	56287	20.000	ng	0.00
21) Naphthalene-d8	10.761	136	225944	20.000	ng	# 0.00
39) Acenaphthene-d10	14.592	164	207141	20.000	ng	0.00
64) Phenanthrene-d10	17.341	188	583507	20.000	ng	# 0.00
76) Chrysene-d12	21.607	240	612049	20.000	ng	#-0.01
86) Perylene-d12	24.803	264	701401	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.520	112	2653	0.807	ng	0.00
7) Phenol-d6	7.106	99	2511	0.543	ng	0.00
23) Nitrobenzene-d5	9.121	82	5804	1.166	ng	0.00
42) 2,4,6-Tribromophenol	16.072	330	8676	1.797	ng	-0.01
45) 2-Fluorobiphenyl	13.211	172	20429	1.207	ng	0.00
79) Terphenyl-d14	19.956	244	46723	1.394	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	10.814	128	814704	69.265	ng	98
33) 4-Chloroaniline	10.808	127	108761	24.301	ng	# 39
37) 2-Methylnaphthalene	12.418	142	52489	5.690	ng	96
38) 1-Methylnaphthalene	12.635	142	42904	4.708	ng	# 98
51) 2,6-Dinitrotoluene	14.592	165	29085	8.732	ng	# 23
57) 2,4-Dinitrotoluene	14.592	165	29085	6.212	ng	# 27
69) Atrazine	16.830	200	98	Below Cal	#	59

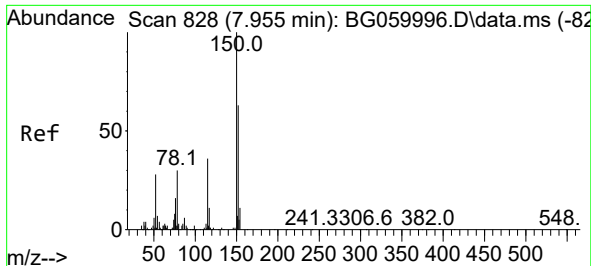
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121923\
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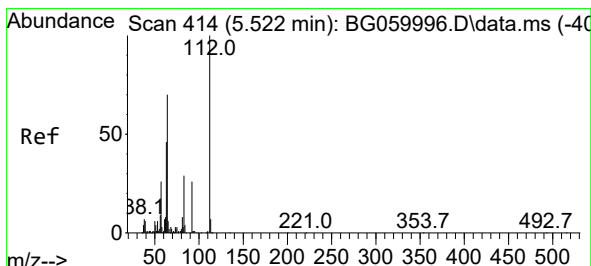
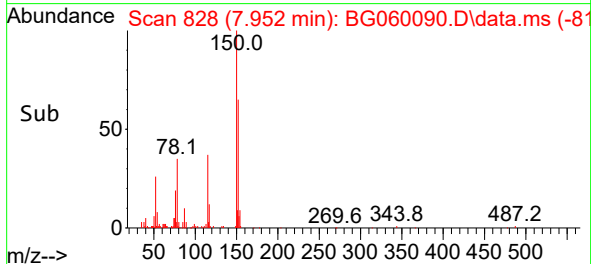
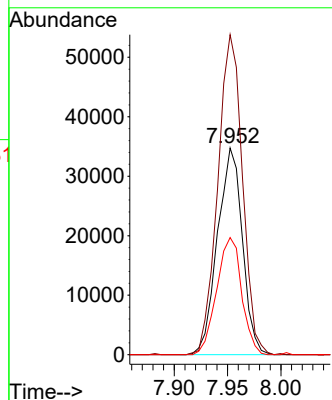
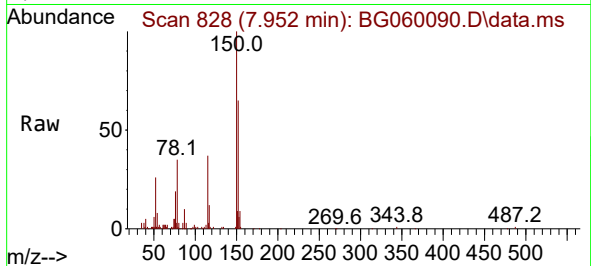




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG060090.D
Acq: 19 Dec 2023 18:08

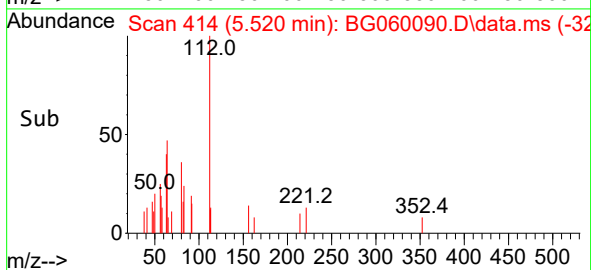
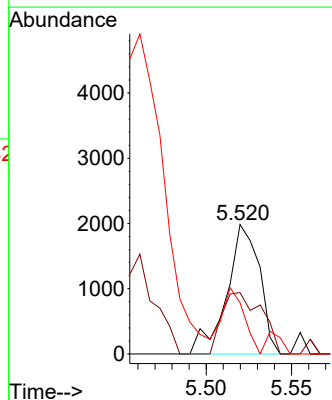
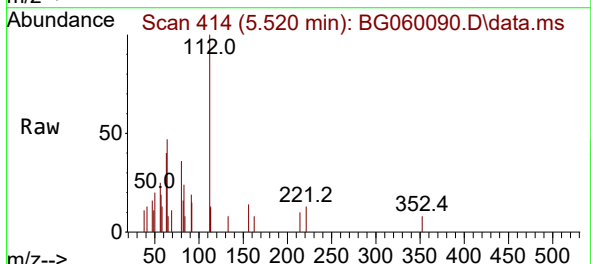
Instrument :
BNA_G
ClientSampleId :
MW-04IDL2

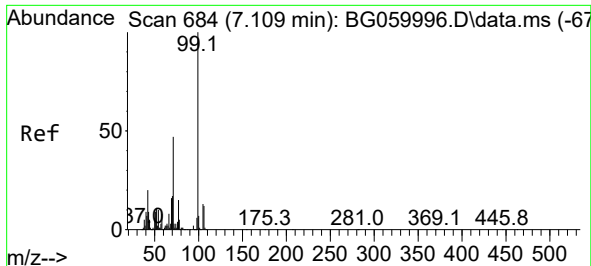
Tgt Ion:152 Resp: 56287
Ion Ratio Lower Upper
152 100
150 154.8 127.0 190.6
115 56.6 45.7 68.5



#5
2-Fluorophenol
Concen: 0.807 ng
RT: 5.520 min Scan# 414
Delta R.T. -0.006 min
Lab File: BG060090.D
Acq: 19 Dec 2023 18:08

Tgt Ion:112 Resp: 2653
Ion Ratio Lower Upper
112 100
64 47.5 55.9 83.9#
63 39.6 36.5 54.7

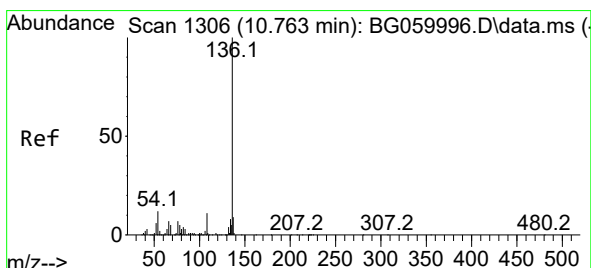
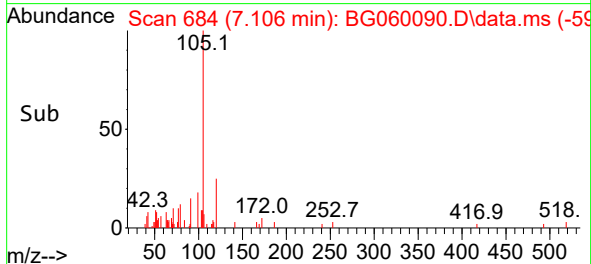
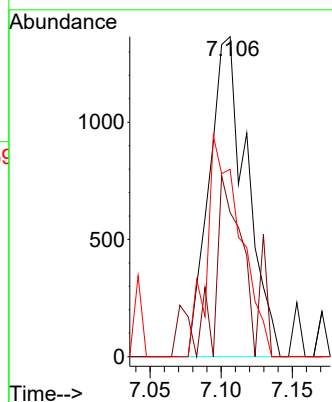
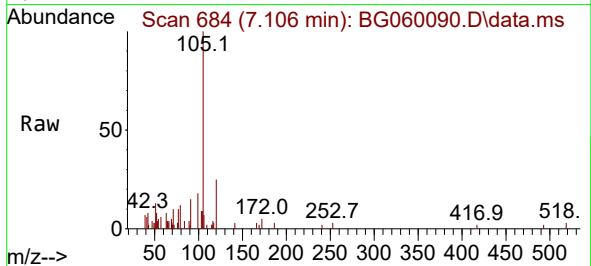




#7
Phenol-d6
Concen: 0.543 ng
RT: 7.106 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG060090.D
Acq: 19 Dec 2023 18:08

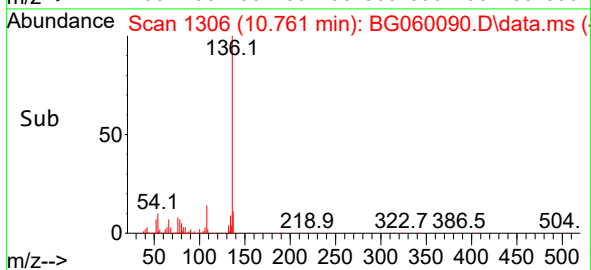
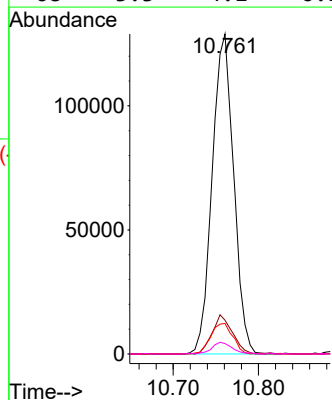
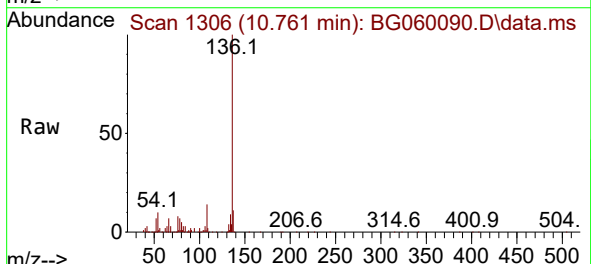
Instrument :
BNA_G
ClientSampleId :
MW-04IDL2

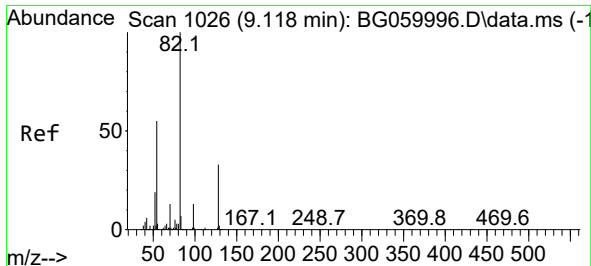
Tgt Ion: 99 Resp: 2511
Ion Ratio Lower Upper
99 100
42 45.1 16.2 24.4#
71 58.5 37.6 56.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.761 min Scan# 1306
Delta R.T. -0.000 min
Lab File: BG060090.D
Acq: 19 Dec 2023 18:08

Tgt Ion:136 Resp: 225944
Ion Ratio Lower Upper
136 100
137 10.5 7.3 10.9
54 9.6 9.6 14.4#
68 3.3 4.1 6.1#

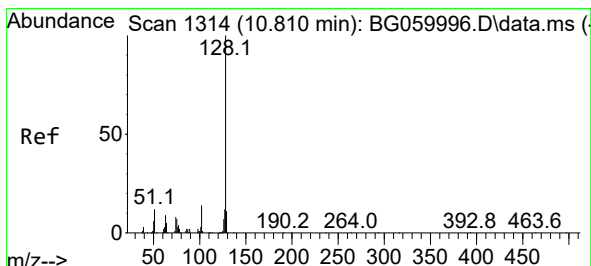
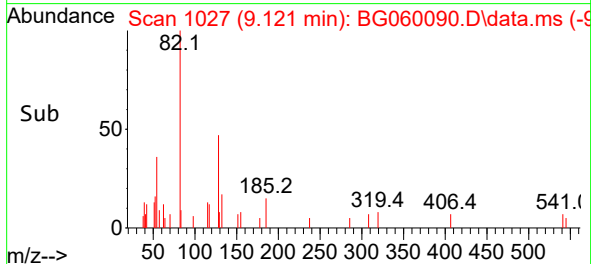
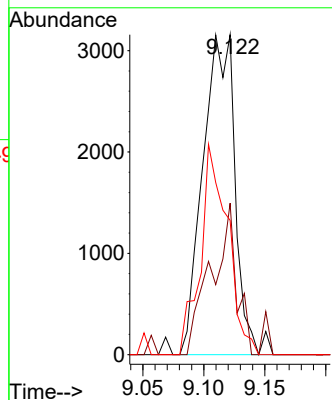
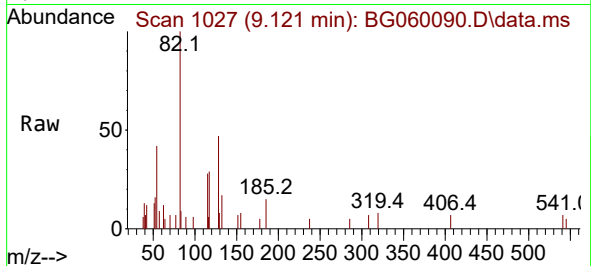




#23
Nitrobenzene-d5
Concen: 1.166 ng
RT: 9.121 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BG060090.D
Acq: 19 Dec 2023 18:08

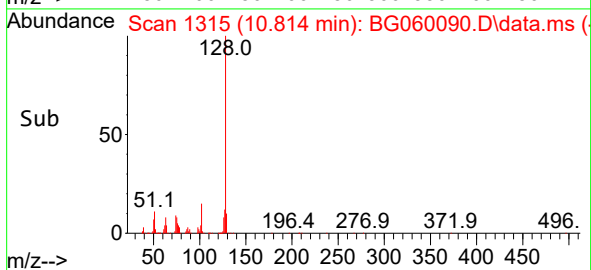
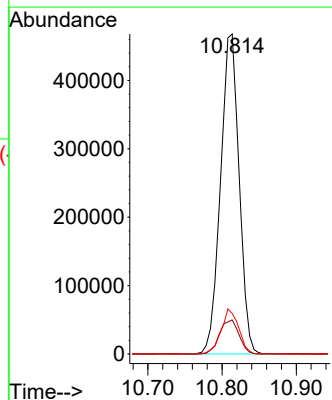
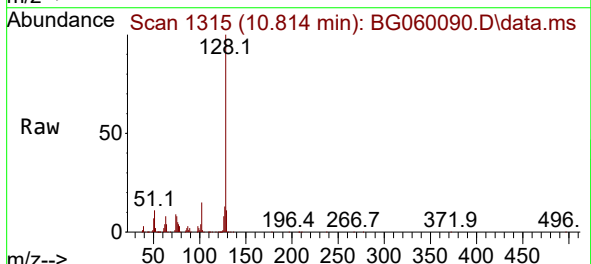
Instrument :
BNA_G
ClientSampleId :
MW-04IDL2

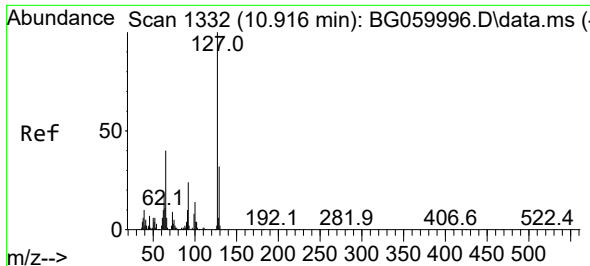
Tgt Ion: 82 Resp: 5804
Ion Ratio Lower Upper
82 100
128 47.3 26.3 39.5#
54 41.9 44.3 66.5#



#31
Naphthalene
Concen: 69.265 ng
RT: 10.814 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BG060090.D
Acq: 19 Dec 2023 18:08

Tgt Ion:128 Resp: 814704
Ion Ratio Lower Upper
128 100
129 10.6 9.2 13.8
127 12.6 9.7 14.5

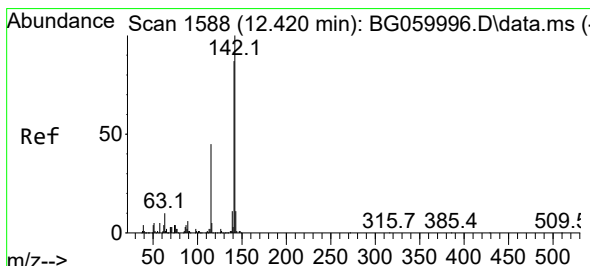
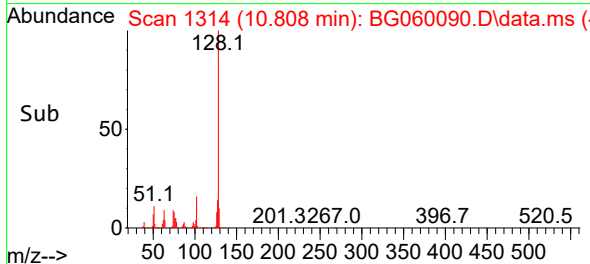
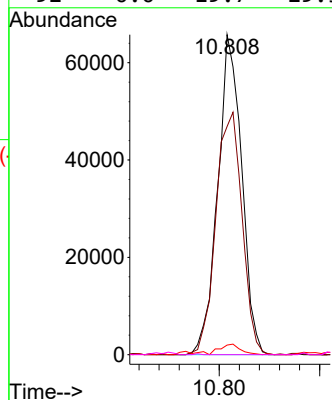
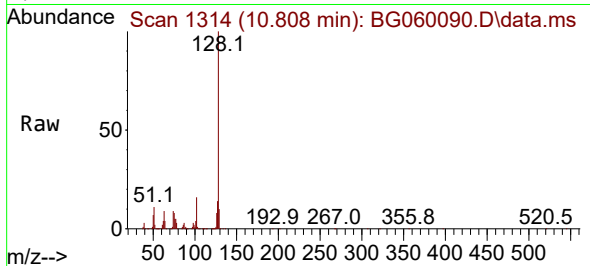




#33
4-Chloroaniline
Concen: 24.301 ng
RT: 10.808 min Scan# 11
Delta R.T. -0.106 min
Lab File: BG060090.D
Acq: 19 Dec 2023 18:08

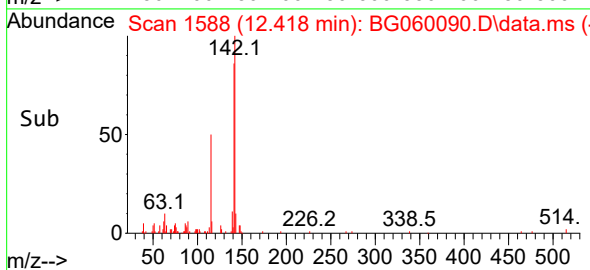
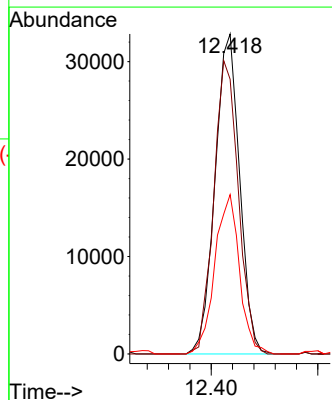
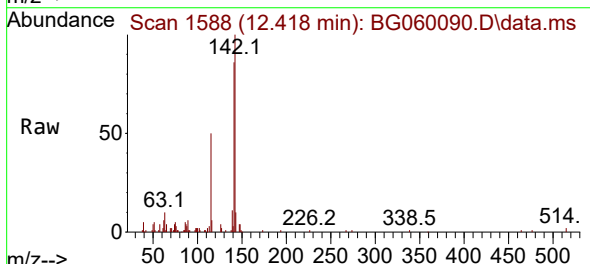
Instrument :
BNA_G
ClientSampleId :
MW-04IDL2

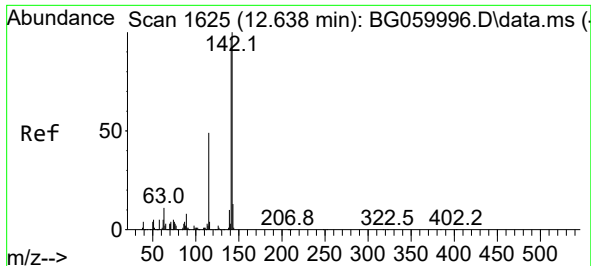
Tgt Ion:127	Resp: 108761
Ion Ratio	Lower Upper
127 100	
129 71.3	25.7 38.5#
65 3.0	32.3 48.5#
92 0.0	19.7 29.5#



#37
2-Methylnaphthalene
Concen: 5.690 ng
RT: 12.418 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BG060090.D
Acq: 19 Dec 2023 18:08

Tgt	Ion:142	Resp:	52489
Ion	Ratio	Lower	Upper
142	100		
141	85.9	69.9	104.9
115	49.8	36.1	54.1

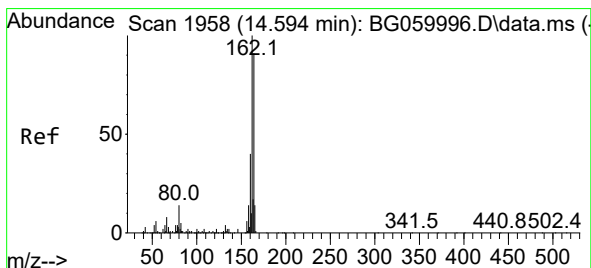
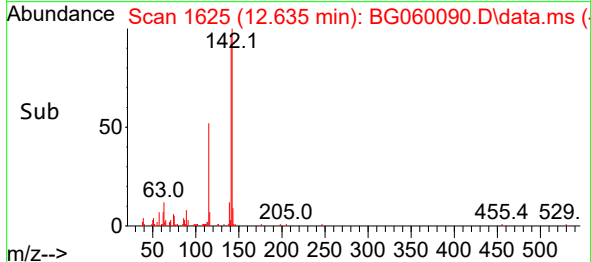
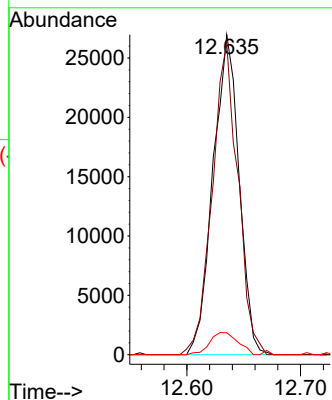
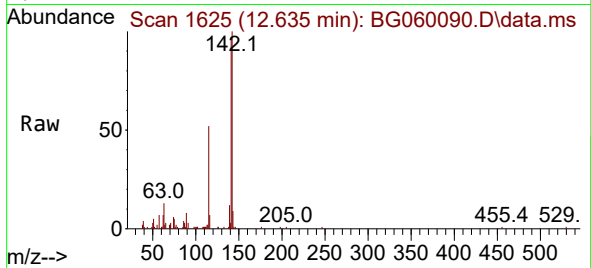




#38
1-Methylnaphthalene
Concen: 4.708 ng
RT: 12.635 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG060090.D
Acq: 19 Dec 2023 18:08

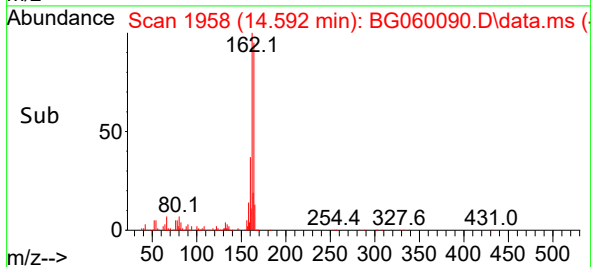
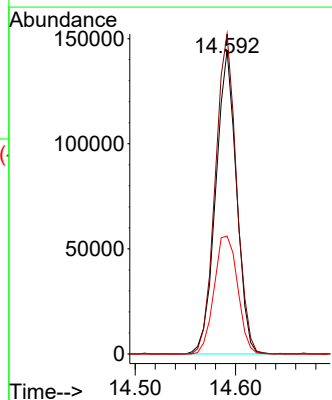
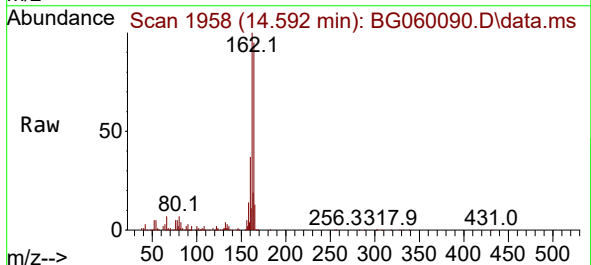
Instrument :
BNA_G
ClientSampleId :
MW-04IDL2

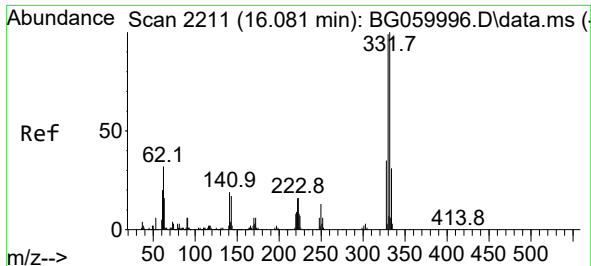
Tgt Ion:142 Resp: 42904
Ion Ratio Lower Upper
142 100
141 97.4 76.9 115.3
116 6.8 3.5 5.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BG060090.D
Acq: 19 Dec 2023 18:08

Tgt Ion:164 Resp: 207141
Ion Ratio Lower Upper
164 100
162 105.3 88.1 132.1
160 38.8 35.4 53.0

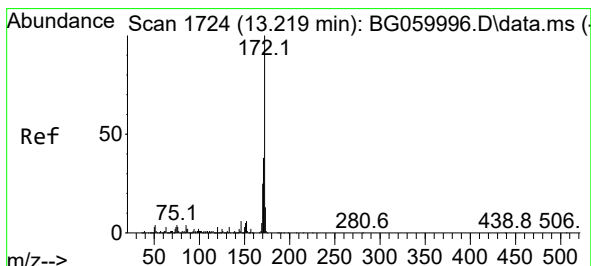
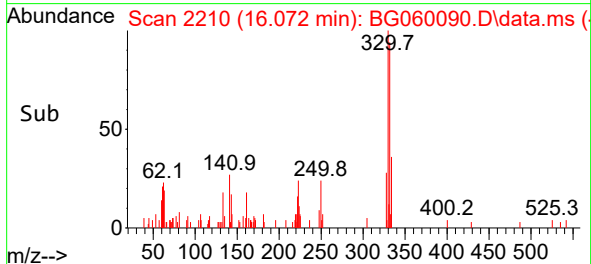
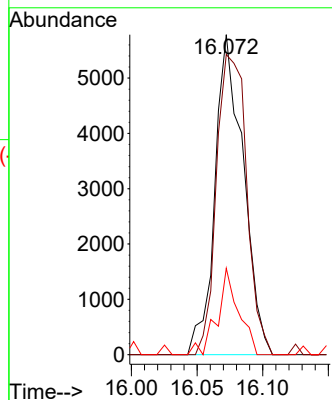
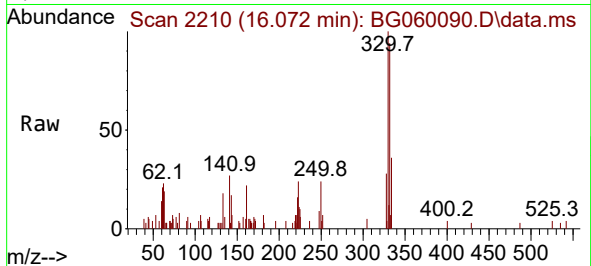




#42
2,4,6-Tribromophenol
Concen: 1.797 ng
RT: 16.072 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG060090.D
Acq: 19 Dec 2023 18:08

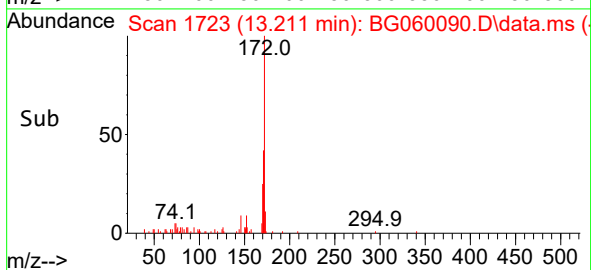
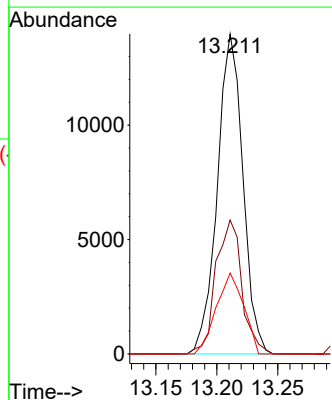
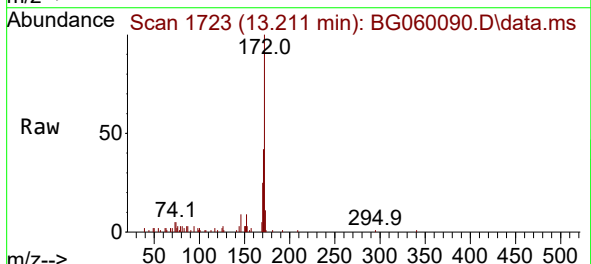
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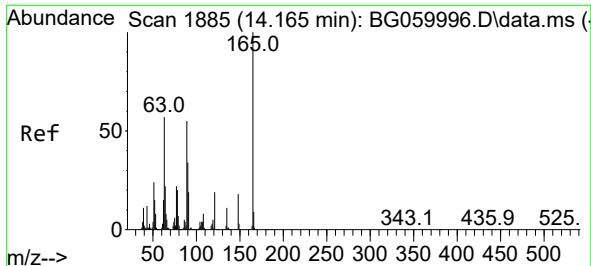
Tgt Ion:330 Resp: 8676
Ion Ratio Lower Upper
330 100
332 99.5 76.2 114.4
141 20.3 14.3 21.5



#45
2-Fluorobiphenyl
Concen: 1.207 ng
RT: 13.211 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BG060090.D
Acq: 19 Dec 2023 18:08

Tgt Ion:172 Resp: 20429
Ion Ratio Lower Upper
172 100
171 41.8 30.1 45.1
170 25.3 20.0 30.0

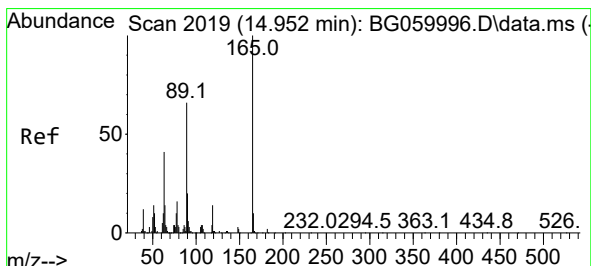
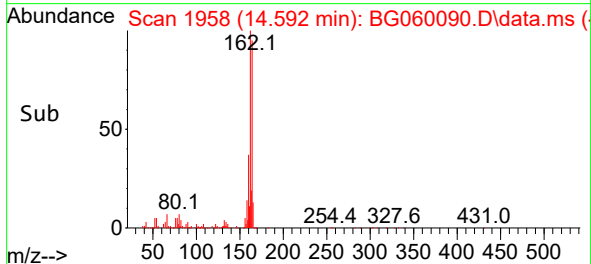
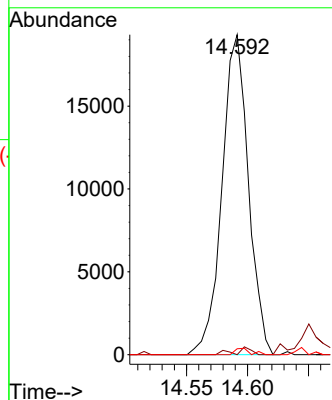
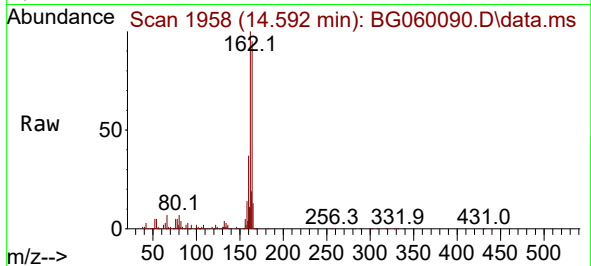




#51
2,6-Dinitrotoluene
Concen: 8.732 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.423 min
Lab File: BG060090.D
Acq: 19 Dec 2023 18:08

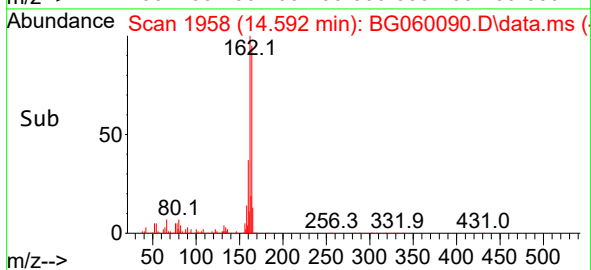
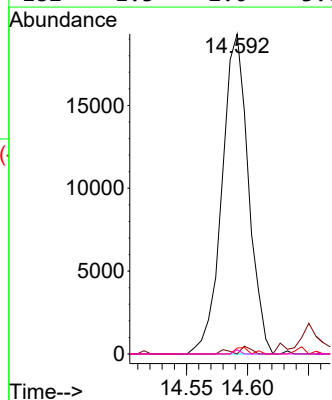
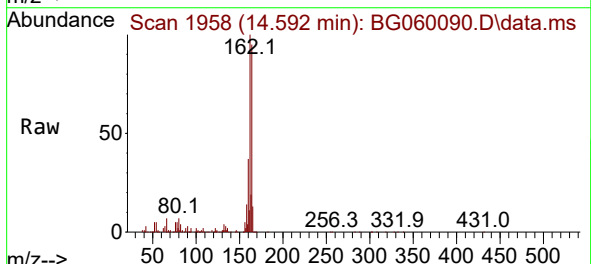
Instrument :
BNA_G
ClientSampleId :
MW-04IDL2

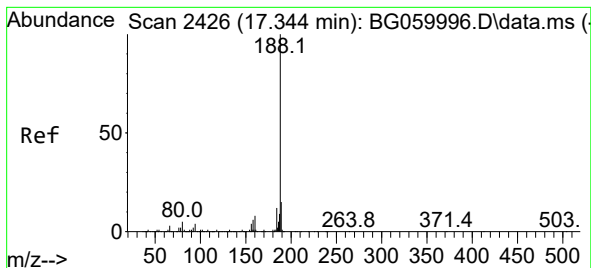
Tgt Ion:165 Resp: 29085
Ion Ratio Lower Upper
165 100
63 0.0 48.2 72.2#
89 1.8 44.4 66.6#



#57
2,4-Dinitrotoluene
Concen: 6.212 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.359 min
Lab File: BG060090.D
Acq: 19 Dec 2023 18:08

Tgt Ion:165 Resp: 29085
Ion Ratio Lower Upper
165 100
63 0.0 32.8 49.2#
89 1.8 53.0 79.6#
182 1.3 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.341 min Scan# 24

Delta R.T. -0.006 min

Lab File: BG060090.D

Acq: 19 Dec 2023 18:08

Instrument :

BNA_G

ClientSampleId :

MW-04IDL2

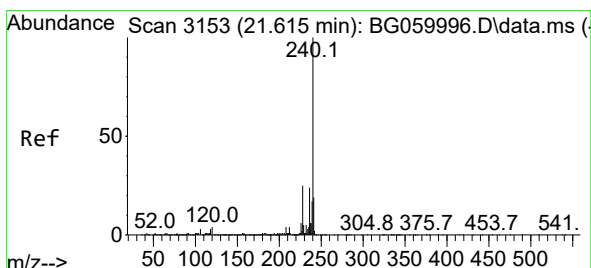
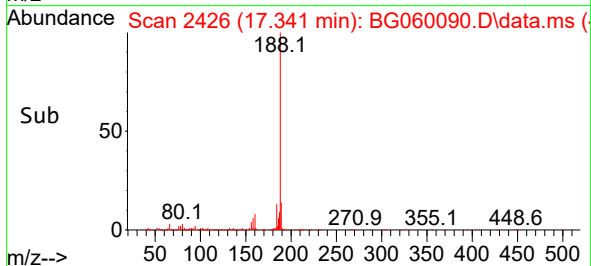
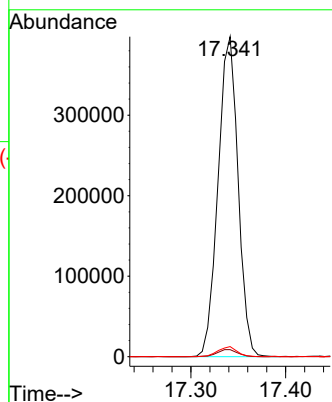
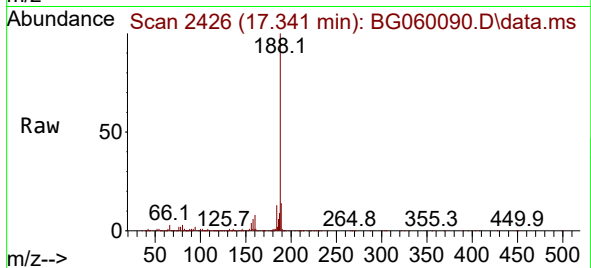
Tgt Ion:188 Resp: 583507

Ion Ratio Lower Upper

188 100

94 2.2 3.0 4.6#

80 3.2 4.0 6.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.607 min Scan# 3152

Delta R.T. -0.012 min

Lab File: BG060090.D

Acq: 19 Dec 2023 18:08

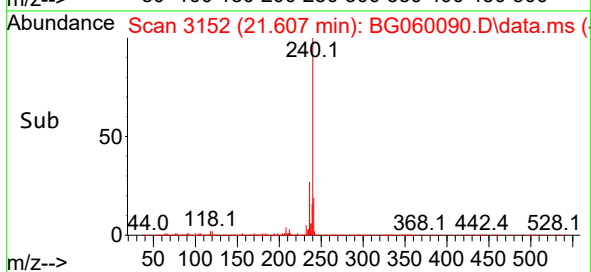
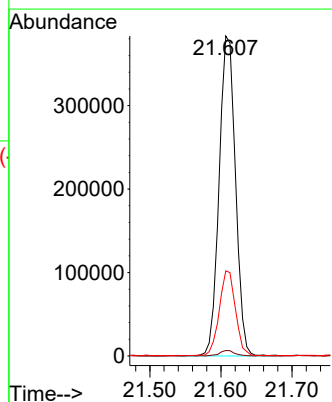
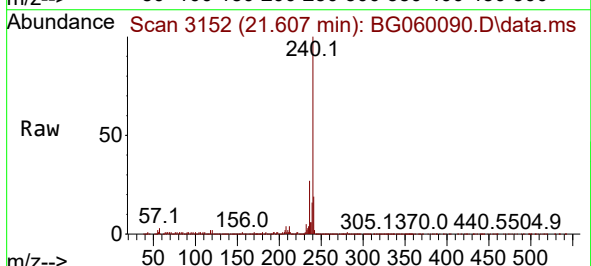
Tgt Ion:240 Resp: 612049

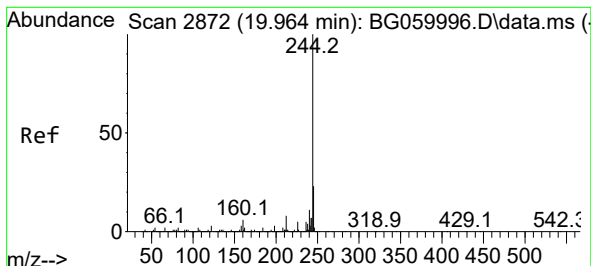
Ion Ratio Lower Upper

240 100

120 1.7 2.9 4.3#

236 26.6 19.4 29.2





#79

Terphenyl-d14

Concen: 1.394 ng

RT: 19.956 min Scan# 2871

Delta R.T. -0.012 min

Lab File: BG060090.D

Acq: 19 Dec 2023 18:08

Instrument :

BNA_G

ClientSampleId :

MW-04IDL2

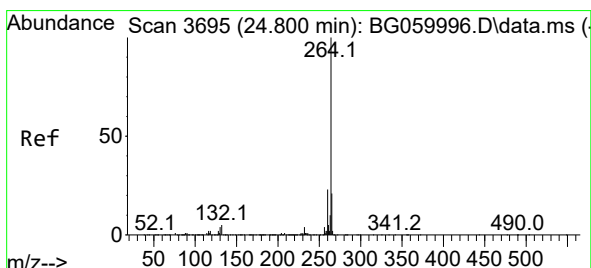
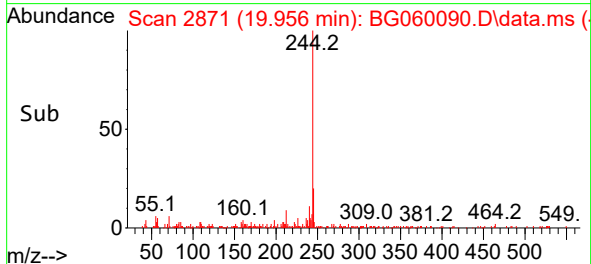
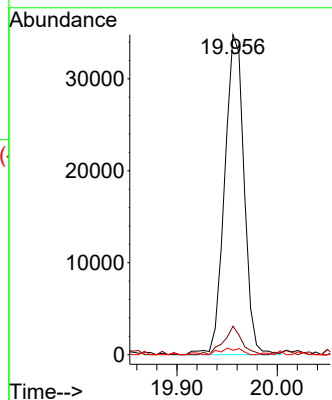
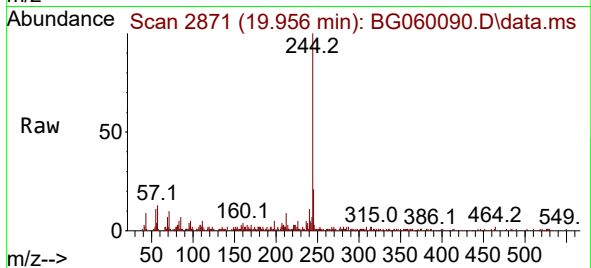
Tgt Ion:244 Resp: 46723

Ion Ratio Lower Upper

244 100

212 8.9 6.8 10.2

122 1.4 2.6 3.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.803 min Scan# 3696

Delta R.T. -0.012 min

Lab File: BG060090.D

Acq: 19 Dec 2023 18:08

Tgt Ion:264 Resp: 701401

Ion Ratio Lower Upper

264 100

260 22.9 18.5 27.7

265 21.1 17.3 25.9

