

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060106.D
 Acq On : 20 Dec 2023 19:52
 Operator : MA/JU
 Sample : 05829-10DL2 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-14DL2

Quant Time: Dec 21 03:21:20 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)

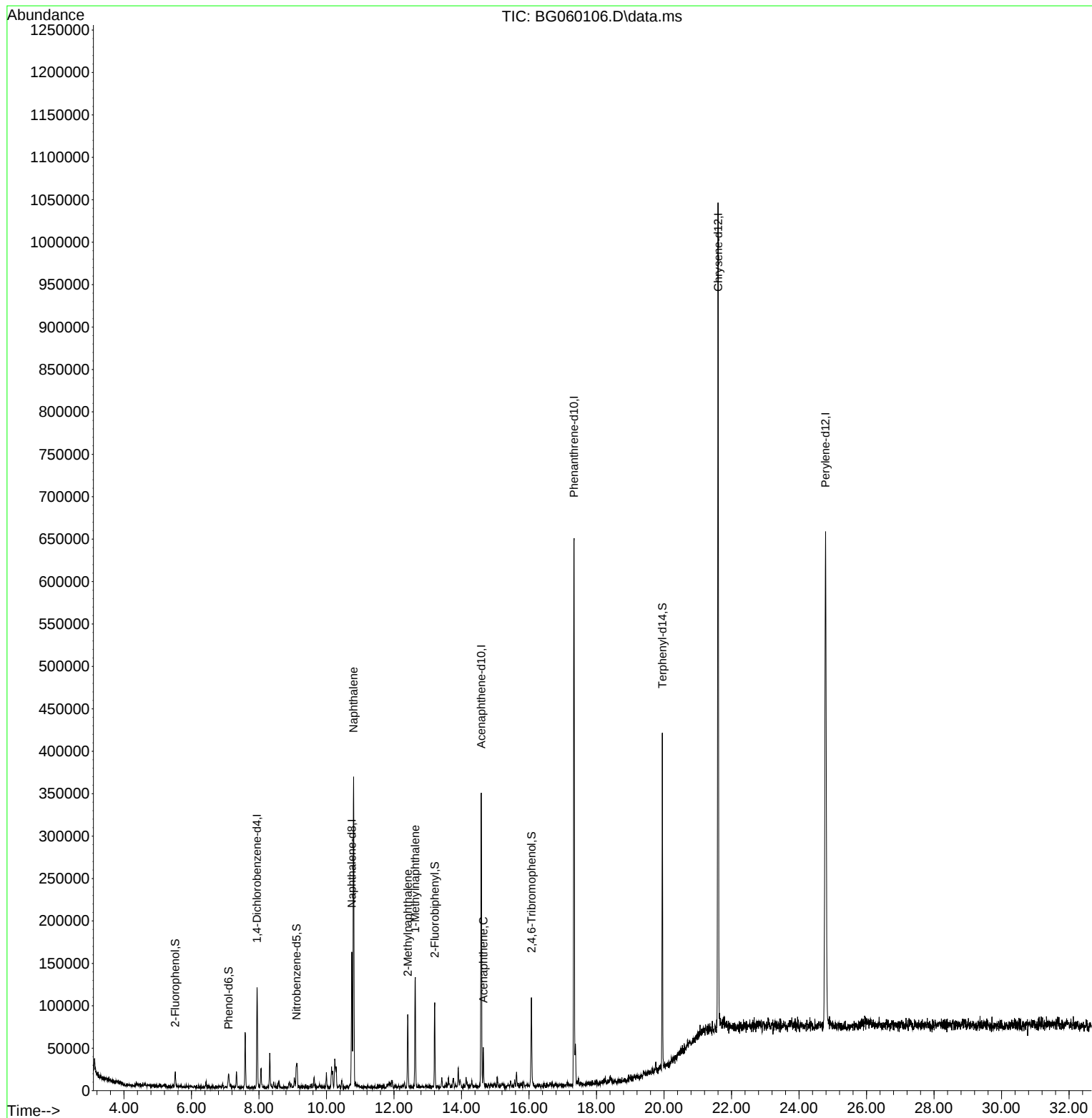
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	28471	20.000	ng	-0.02
21) Naphthalene-d8	10.750	136	109655	20.000	ng	#-0.01
39) Acenaphthene-d10	14.587	164	125609	20.000	ng	-0.01
64) Phenanthrene-d10	17.330	188	473941	20.000	ng	#-0.02
76) Chrysene-d12	21.602	240	653021	20.000	ng	#-0.02
86) Perylene-d12	24.786	264	752635	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.521	112	5390	3.241	ng	0.00
7) Phenol-d6	7.101	99	6794	2.904	ng	-0.01
23) Nitrobenzene-d5	9.111	82	13420	5.557	ng	-0.01
42) 2,4,6-Tribromophenol	16.073	330	29061	9.928	ng	-0.01
45) 2-Fluorobiphenyl	13.206	172	53343	5.198	ng	-0.01
79) Terphenyl-d14	19.951	244	220167	6.155	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	10.803	128	237333	41.576	ng	98
37) 2-Methylnaphthalene	12.413	142	35910	8.021	ng	# 95
38) 1-Methylnaphthalene	12.630	142	50458	11.409	ng	# 94
52) Acenaphthene	14.645	154	15950	2.100	ng	# 79

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

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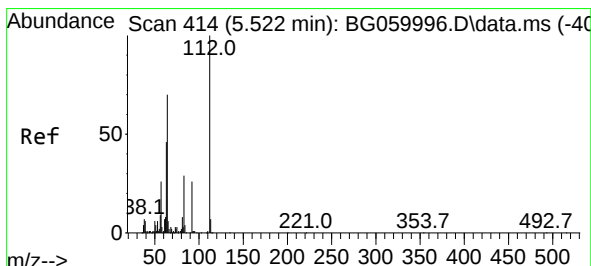
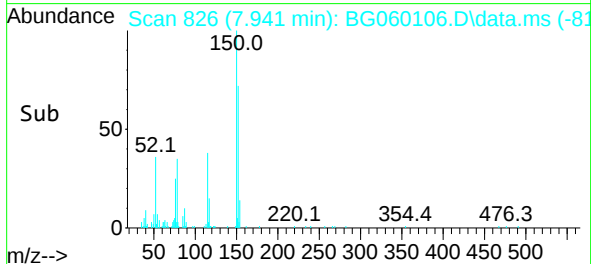
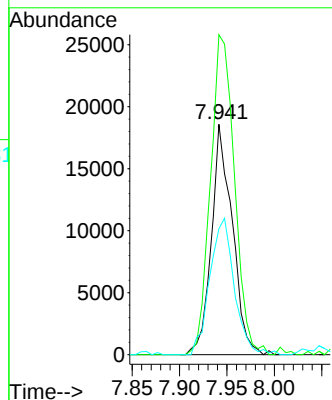
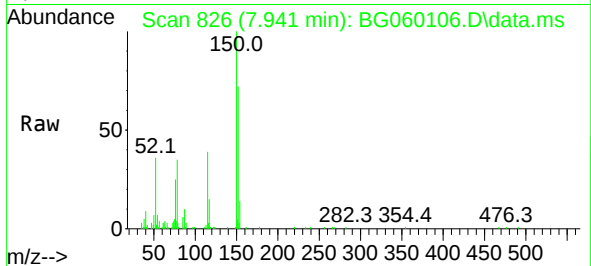




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 81
Delta R.T. -0.018 min
Lab File: BG060106.D
Acq: 20 Dec 2023 19:52

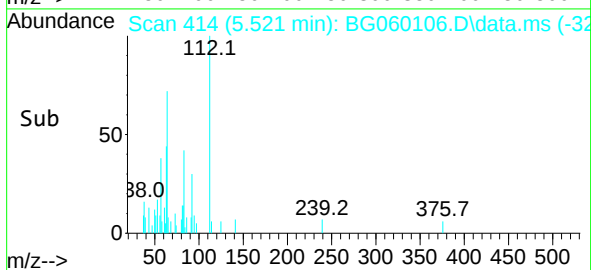
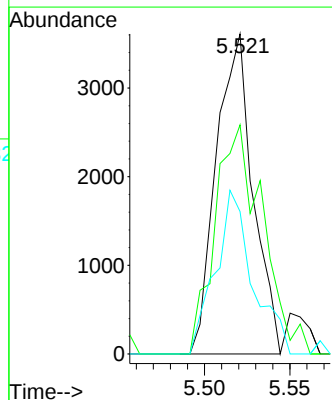
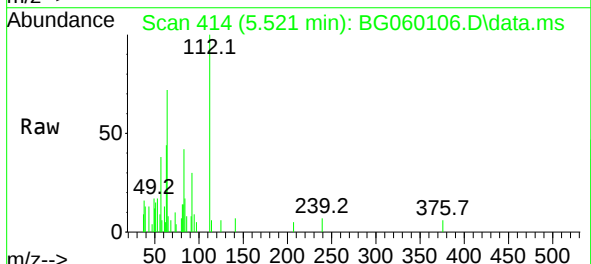
Instrument :
BNA_G
ClientSampleId :
MW-14DL2

Tgt Ion:152 Resp: 28471
Ion Ratio Lower Upper
152 100
150 138.9 127.0 190.6
115 54.6 45.7 68.5



#5
2-Fluorophenol
Concen: 3.241 ng
RT: 5.521 min Scan# 414
Delta R.T. -0.005 min
Lab File: BG060106.D
Acq: 20 Dec 2023 19:52

Tgt Ion:112 Resp: 5390
Ion Ratio Lower Upper
112 100
64 71.6 55.9 83.9
63 44.5 36.5 54.7

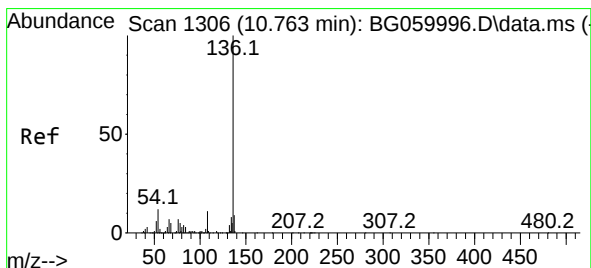
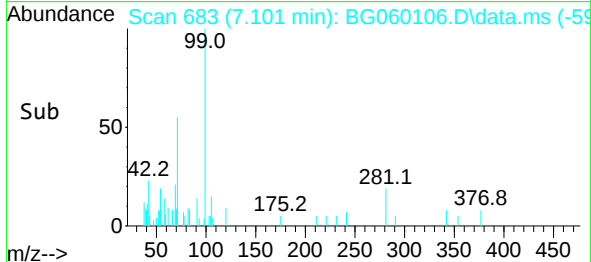
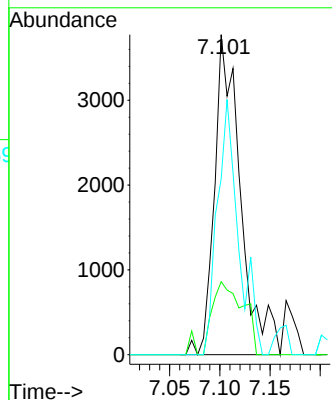
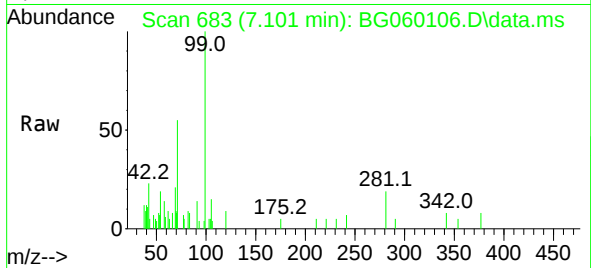




#7
Phenol-d6
Concen: 2.904 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.011 min
Lab File: BG060106.D
Acq: 20 Dec 2023 19:52

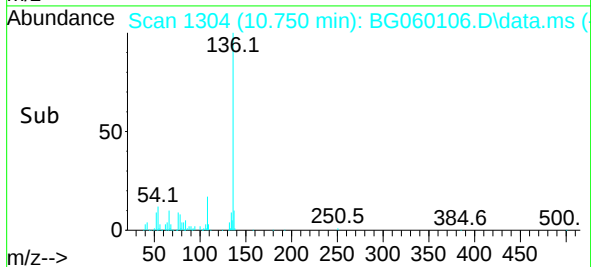
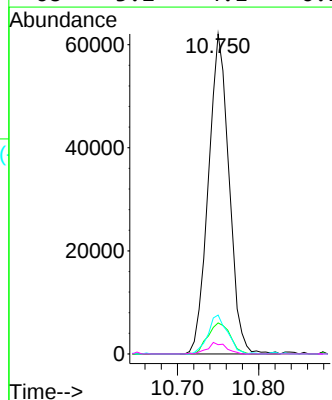
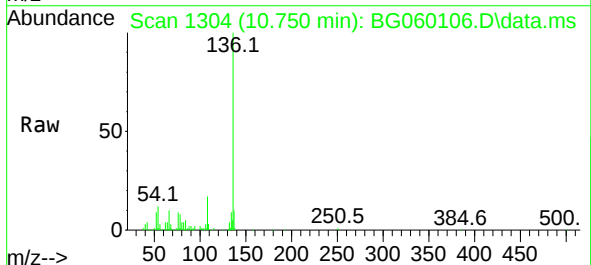
Instrument :
BNA_G
ClientSampleId :
MW-14DL2

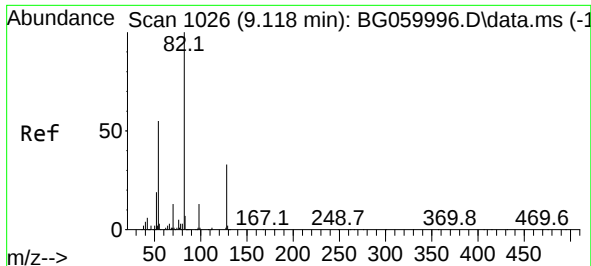
Tgt Ion: 99 Resp: 6794
Ion Ratio Lower Upper
99 100
42 22.8 16.2 24.4
71 54.9 37.6 56.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.750 min Scan# 1304
Delta R.T. -0.011 min
Lab File: BG060106.D
Acq: 20 Dec 2023 19:52

Tgt Ion:136 Resp: 109655
Ion Ratio Lower Upper
136 100
137 9.7 7.3 10.9
54 12.1 9.6 14.4
68 3.2 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 5.557 ng

RT: 9.111 min Scan# 1025

Delta R.T. -0.011 min

Lab File: BG060106.D

Acq: 20 Dec 2023 19:52

Instrument :

BNA_G

ClientSampleId :

MW-14DL2

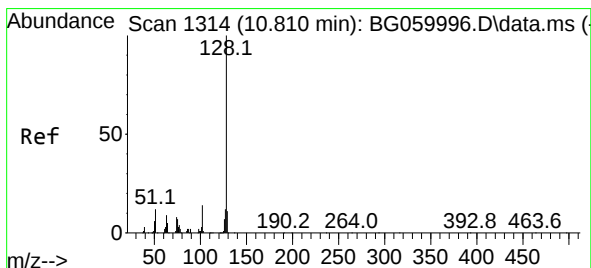
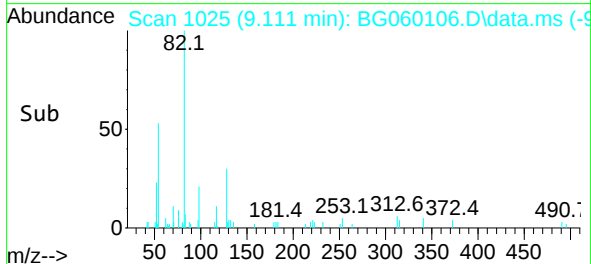
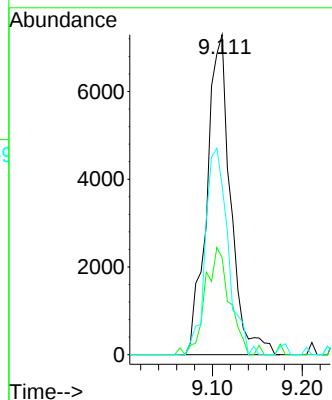
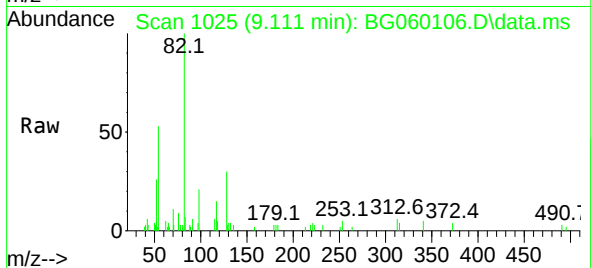
Tgt Ion: 82 Resp: 13420

Ion Ratio Lower Upper

82 100

128 30.3 26.3 39.5

54 52.8 44.3 66.5



#31

Naphthalene

Concen: 41.576 ng

RT: 10.803 min Scan# 1313

Delta R.T. -0.011 min

Lab File: BG060106.D

Acq: 20 Dec 2023 19:52

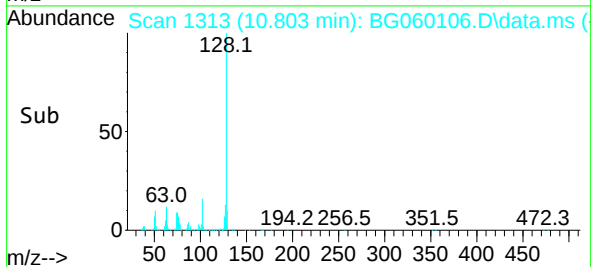
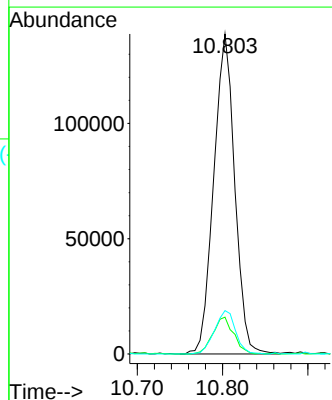
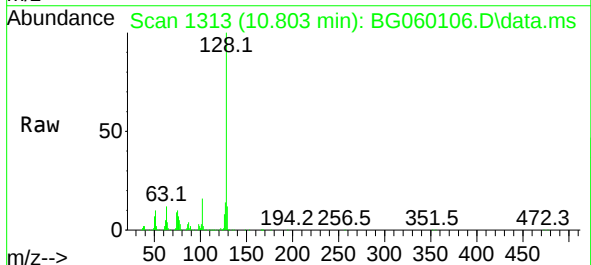
Tgt Ion: 128 Resp: 237333

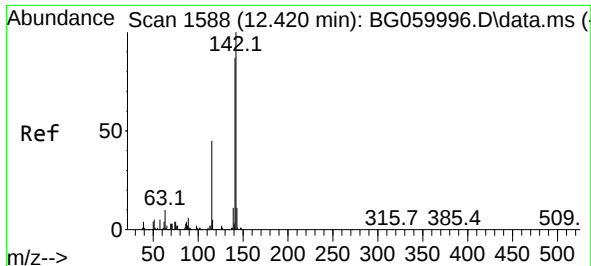
Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

127 13.6 9.7 14.5

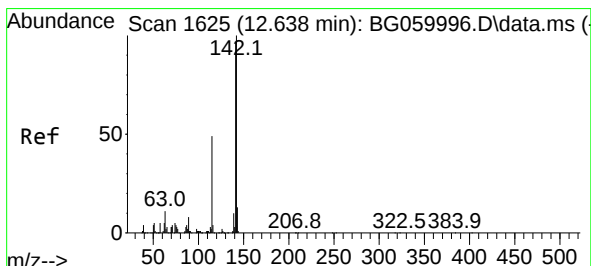
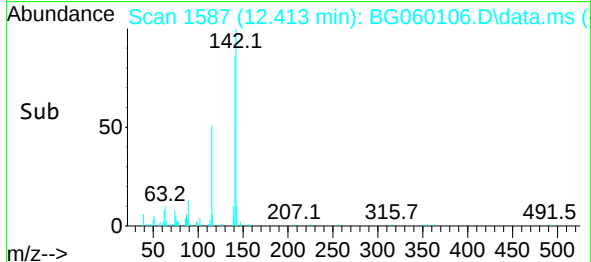
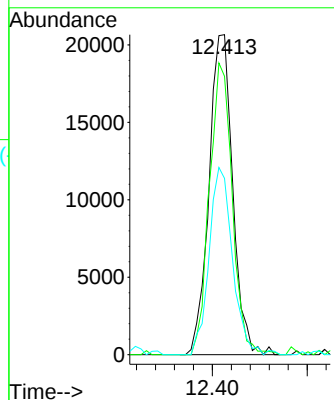
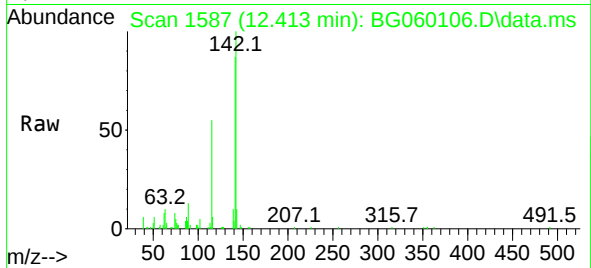




#37
2-Methylnaphthalene
Concen: 8.021 ng
RT: 12.413 min Scan# 1587
Delta R.T. -0.011 min
Lab File: BG060106.D
Acq: 20 Dec 2023 19:52

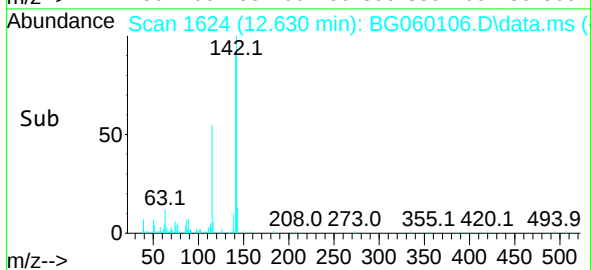
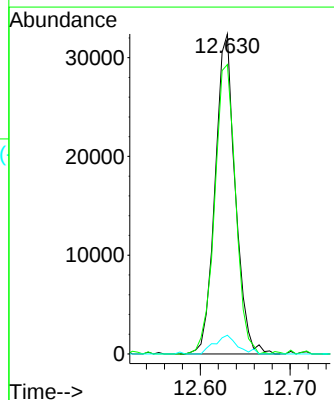
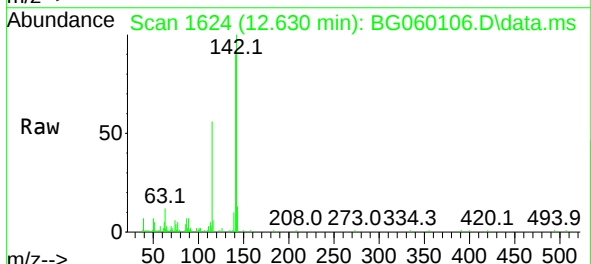
Instrument :
BNA_G
ClientSampleId :
MW-14DL2

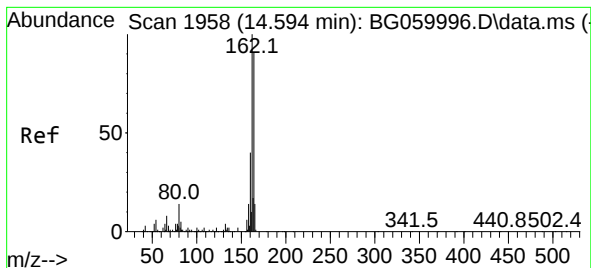
Tgt Ion:142 Resp: 35910
Ion Ratio Lower Upper
142 100
141 87.0 69.9 104.9
115 55.1 36.1 54.1#



#38
1-Methylnaphthalene
Concen: 11.409 ng
RT: 12.630 min Scan# 1624
Delta R.T. -0.011 min
Lab File: BG060106.D
Acq: 20 Dec 2023 19:52

Tgt Ion:142 Resp: 50458
Ion Ratio Lower Upper
142 100
141 90.4 76.9 115.3
116 5.8 3.5 5.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.587 min Scan# 1957

Delta R.T. -0.011 min

Lab File: BG060106.D

Acq: 20 Dec 2023 19:52

Instrument :

BNA_G

ClientSampleId :

MW-14DL2

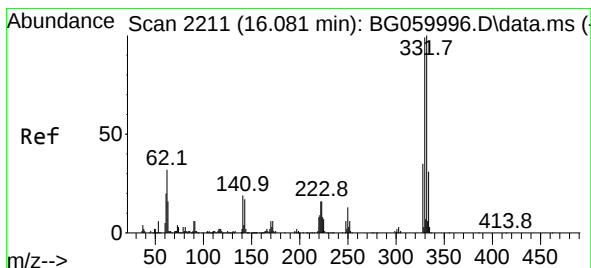
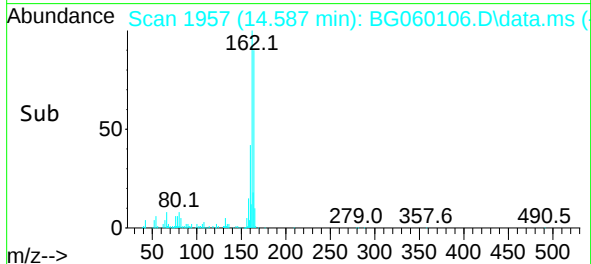
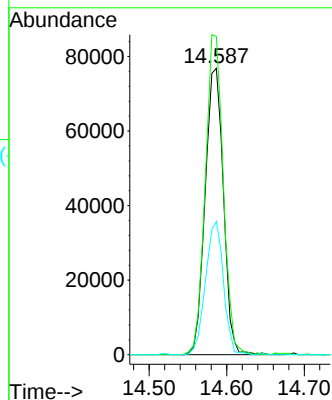
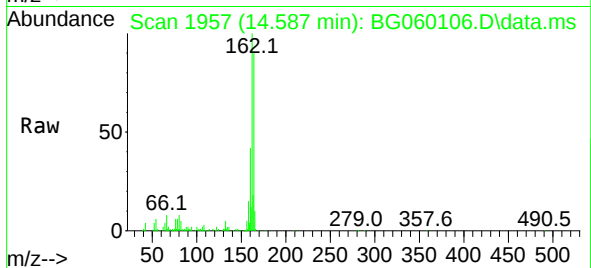
Tgt Ion:164 Resp: 125609

Ion Ratio Lower Upper

164 100

162 111.1 88.1 132.1

160 46.5 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 9.928 ng

RT: 16.073 min Scan# 2210

Delta R.T. -0.011 min

Lab File: BG060106.D

Acq: 20 Dec 2023 19:52

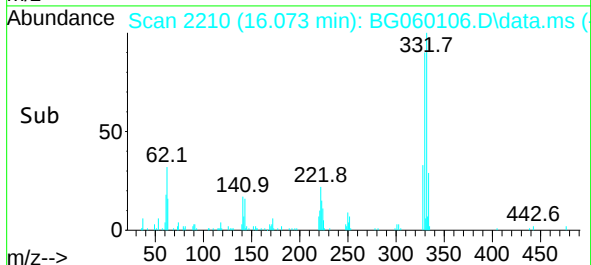
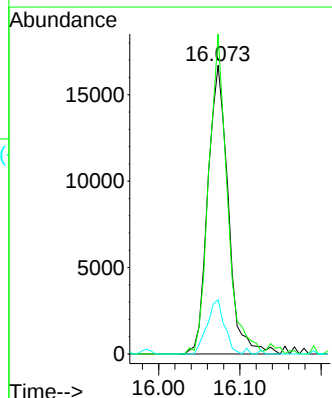
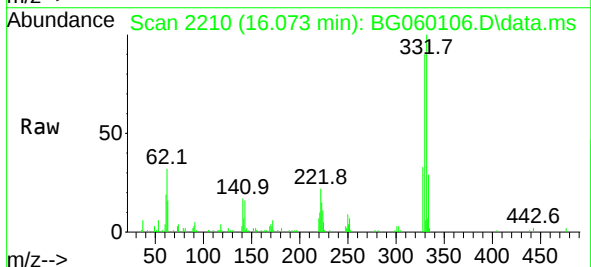
Tgt Ion:330 Resp: 29061

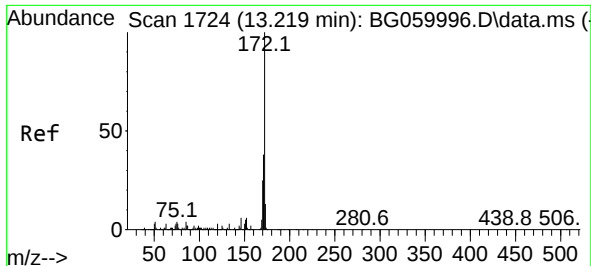
Ion Ratio Lower Upper

330 100

332 100.6 76.2 114.4

141 15.9 14.3 21.5

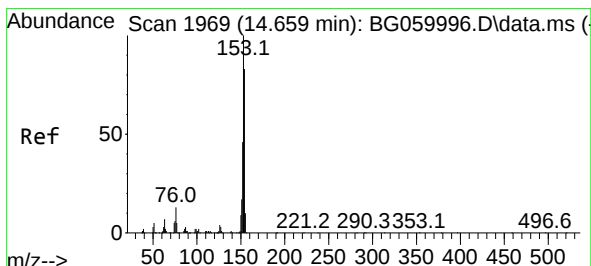
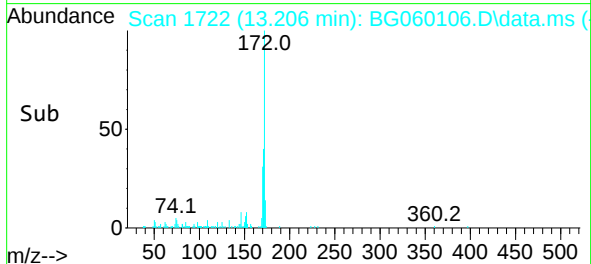
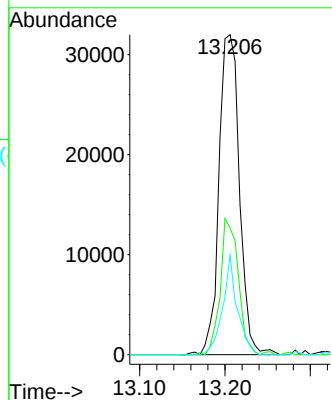
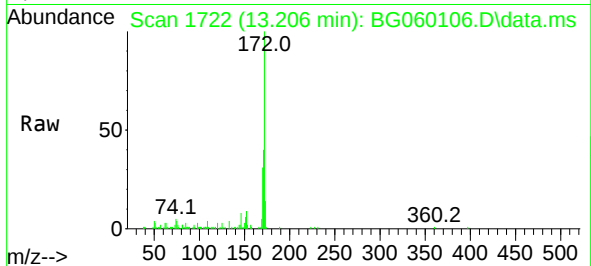




#45
2-Fluorobiphenyl
Concen: 5.198 ng
RT: 13.206 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG060106.D
Acq: 20 Dec 2023 19:52

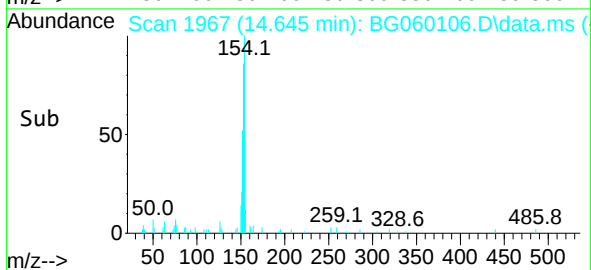
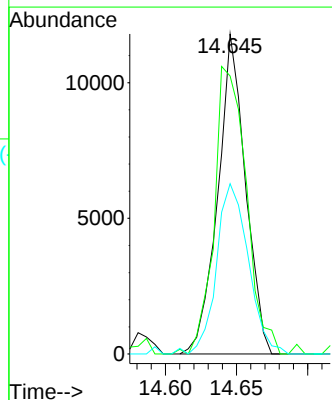
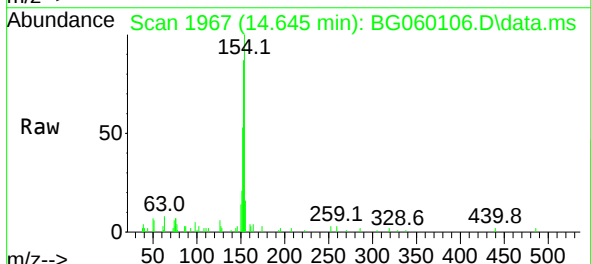
Instrument :
BNA_G
ClientSampleId :
MW-14DL2

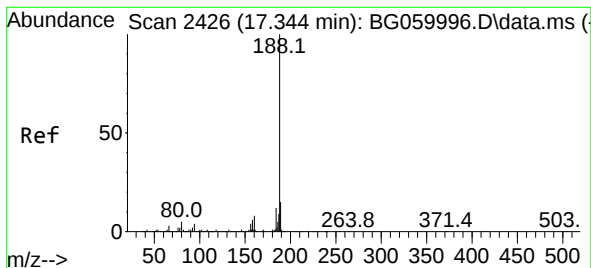
Tgt Ion:172 Resp: 53343
Ion Ratio Lower Upper
172 100
171 39.5 30.1 45.1
170 31.1 20.0 30.0#



#52
Acenaphthene
Concen: 2.100 ng
RT: 14.645 min Scan# 1967
Delta R.T. -0.017 min
Lab File: BG060106.D
Acq: 20 Dec 2023 19:52

Tgt Ion:154 Resp: 15950
Ion Ratio Lower Upper
154 100
153 86.9 96.0 144.0#
152 53.2 44.3 66.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.330 min Scan# 24

Delta R.T. -0.017 min

Lab File: BG060106.D

Acq: 20 Dec 2023 19:52

Instrument :

BNA_G

ClientSampleId :

MW-14DL2

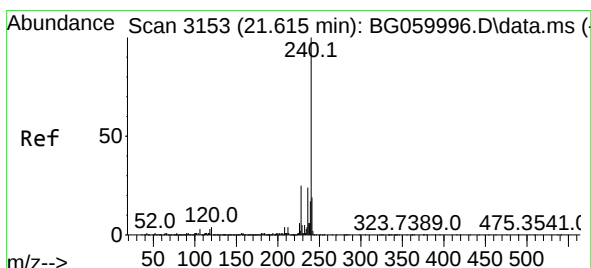
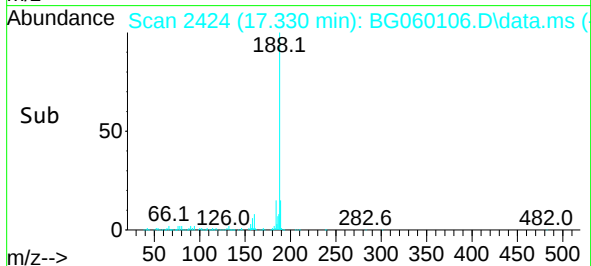
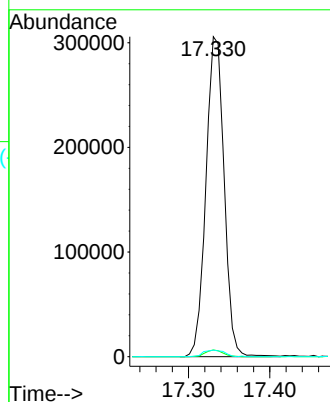
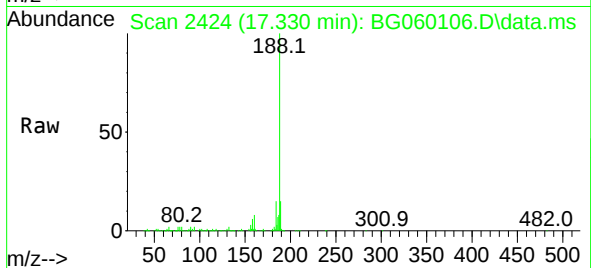
Tgt Ion:188 Resp: 473941

Ion Ratio Lower Upper

188 100

94 2.1 3.0 4.6#

80 2.0 4.0 6.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.602 min Scan# 3151

Delta R.T. -0.017 min

Lab File: BG060106.D

Acq: 20 Dec 2023 19:52

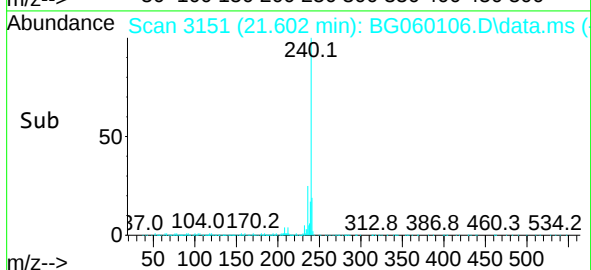
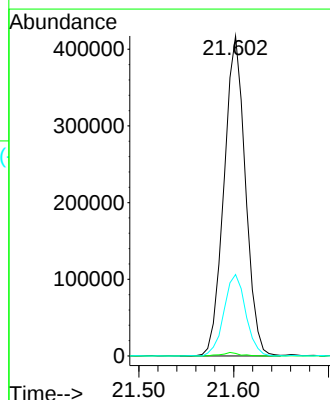
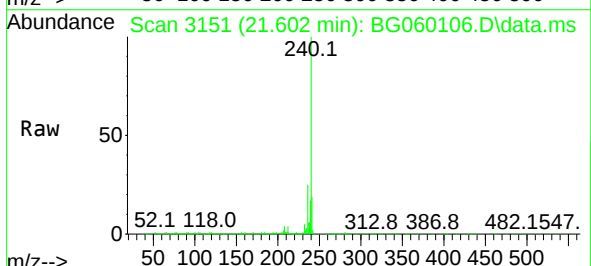
Tgt Ion:240 Resp: 653021

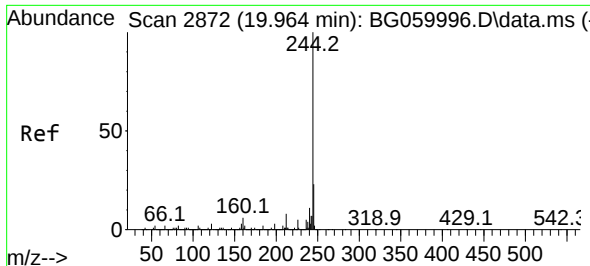
Ion Ratio Lower Upper

240 100

120 0.8 2.9 4.3#

236 25.4 19.4 29.2

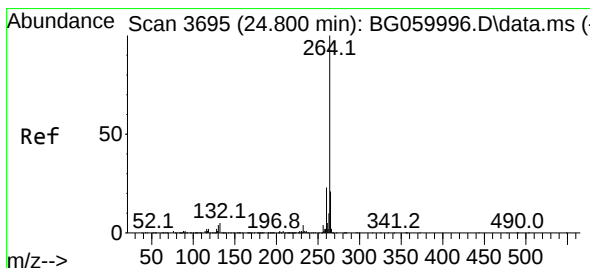
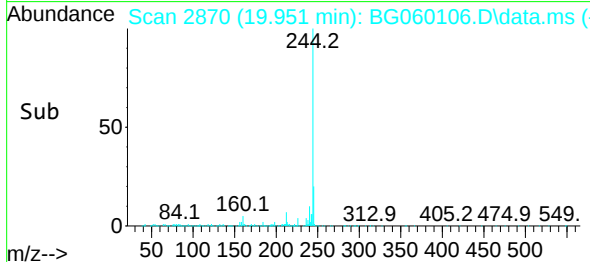
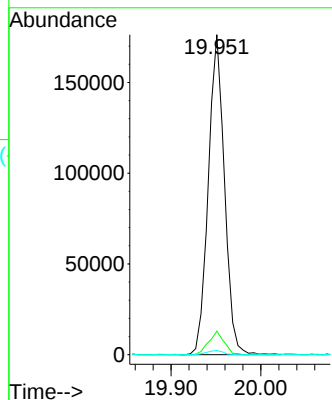
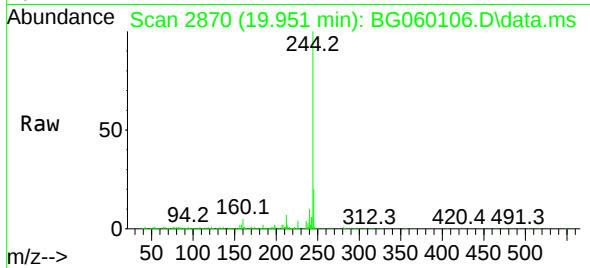




#79
 Terphenyl-d14
 Concen: 6.155 ng
 RT: 19.951 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BG060106.D
 Acq: 20 Dec 2023 19:52

Instrument :
 BNA_G
 ClientSampleId :
 MW-14DL2

Tgt Ion:244 Resp: 220167
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.8 10.2
 122 1.3 2.6 3.8#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.786 min Scan# 3693
 Delta R.T. -0.029 min
 Lab File: BG060106.D
 Acq: 20 Dec 2023 19:52

Tgt Ion:264 Resp: 752635
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.5 27.7
 265 21.5 17.3 25.9

