

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060060.D
 Acq On : 16 Dec 2023 8:03
 Operator : MA/JU
 Sample : 05829-10
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-14

Quant Time: Dec 18 00:11:13 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)

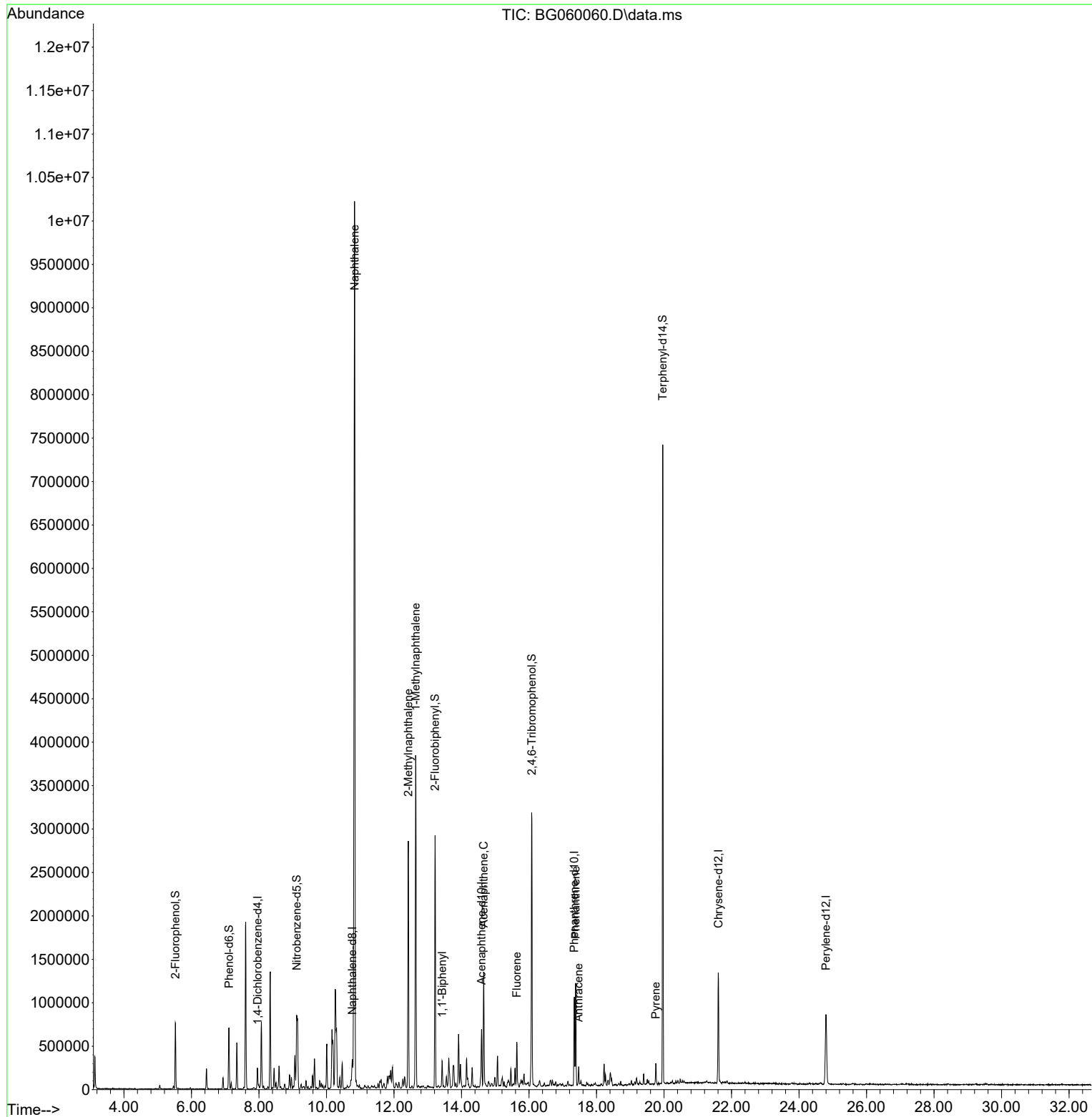
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	63338	20.000	ng	0.00
21) Naphthalene-d8	10.767	136	276054	20.000	ng	# 0.00
39) Acenaphthene-d10	14.592	164	226901	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	709952	20.000	ng	# 0.00
76) Chrysene-d12	21.607	240	842149	20.000	ng	0.00
86) Perylene-d12	24.798	264	989465	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	284777	76.967	ng	0.00
7) Phenol-d6	7.112	99	297126	57.089	ng	0.00
23) Nitrobenzene-d5	9.116	82	460071	75.677	ng	0.00
42) 2,4,6-Tribromophenol	16.084	330	771682	145.935	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	1543485	83.255	ng	0.00
79) Terphenyl-d14	19.962	244	3912308	84.816	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.832	128	7232062	503.248	ng	# 79
37) 2-Methylnaphthalene	12.424	142	1272839	112.928	ng	99
38) 1-Methylnaphthalene	12.641	142	1731463	155.515	ng	96
46) 1,1'-Biphenyl	13.429	154	166209	9.877	ng	96
52) Acenaphthene	14.657	154	494247	36.019	ng	97
58) Fluorene	15.638	166	231463	12.290	ng	99
71) Phenanthrene	17.383	178	786071	22.859	ng	98
72) Anthracene	17.471	178	144624	4.183	ng	96
78) Pyrene	19.757	202	171906	3.367	ng	99

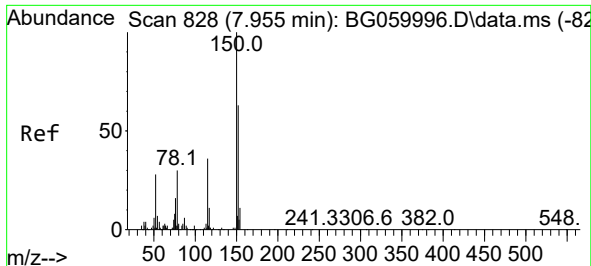
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
Data File : BG060060.D
Acq On : 16 Dec 2023 8:03
Operator : MA/JU
Sample : 05829-10
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-14

Quant Time: Dec 18 00:11:13 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

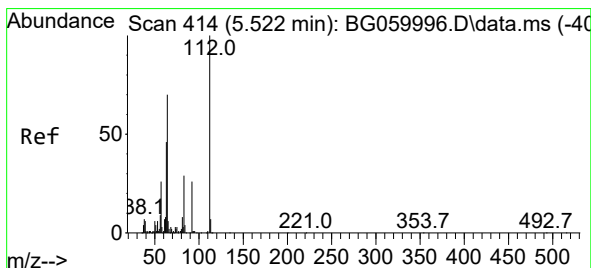
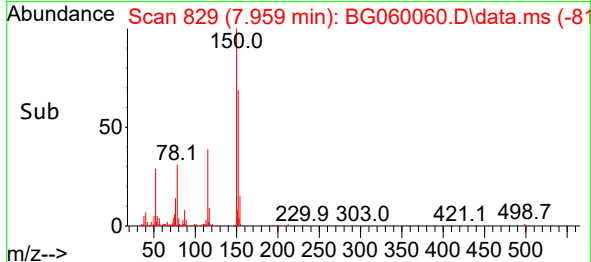
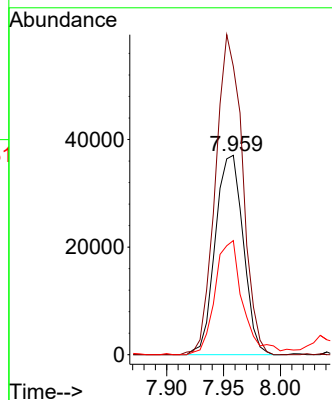
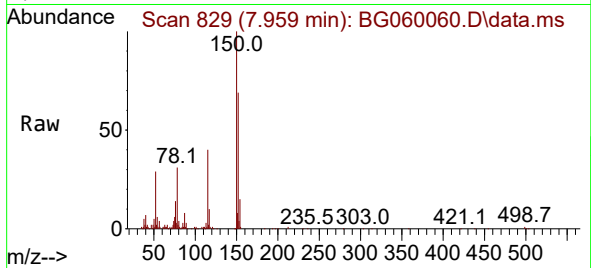




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.959 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

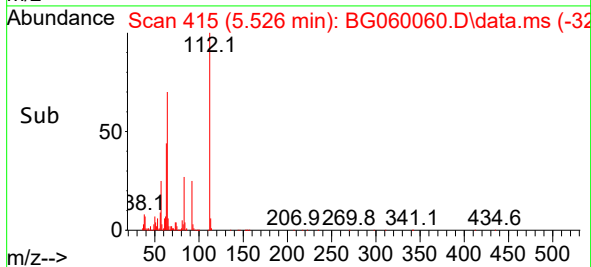
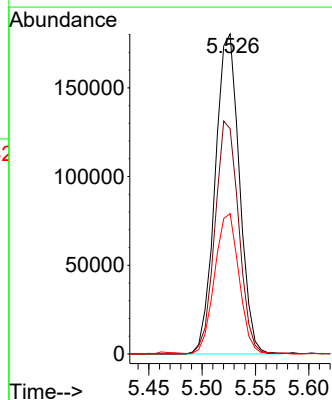
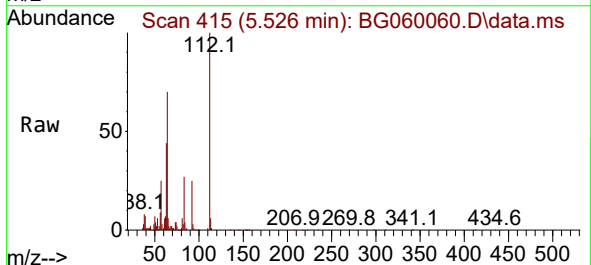
Instrument :
BNA_G
ClientSampleId :
MW-14

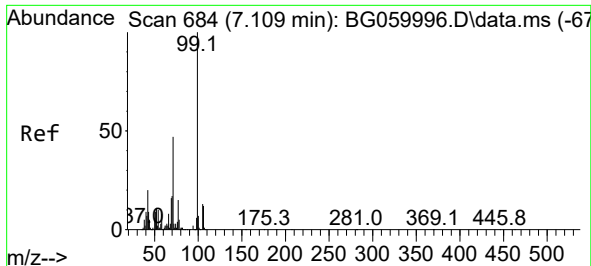
Tgt Ion:152 Resp: 63338
Ion Ratio Lower Upper
152 100
150 144.6 127.0 190.6
115 57.2 45.7 68.5



#5
2-Fluorophenol
Concen: 76.967 ng
RT: 5.526 min Scan# 415
Delta R.T. 0.004 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:112 Resp: 284777
Ion Ratio Lower Upper
112 100
64 70.4 55.9 83.9
63 43.8 36.5 54.7

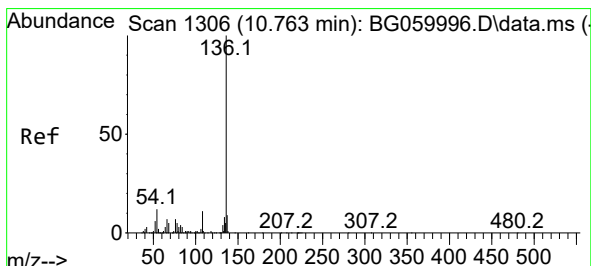
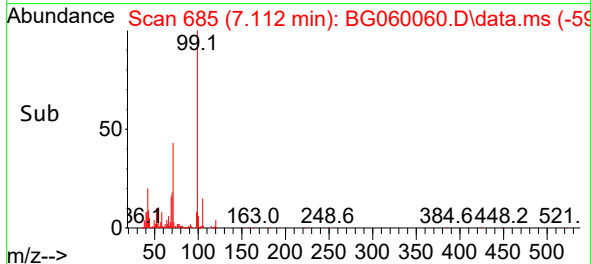
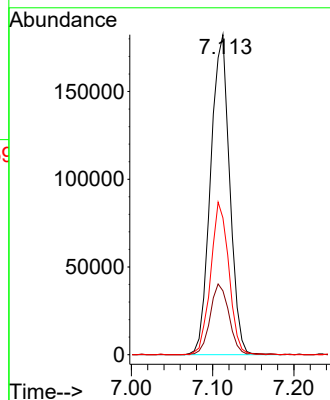
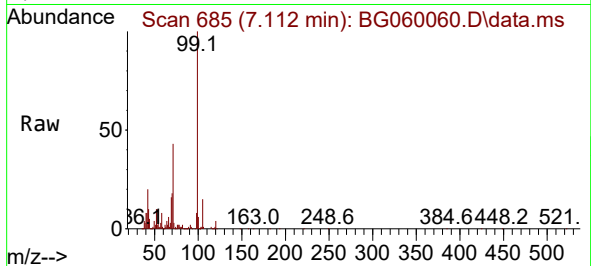




#7
Phenol-d6
Concen: 57.089 ng
RT: 7.112 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

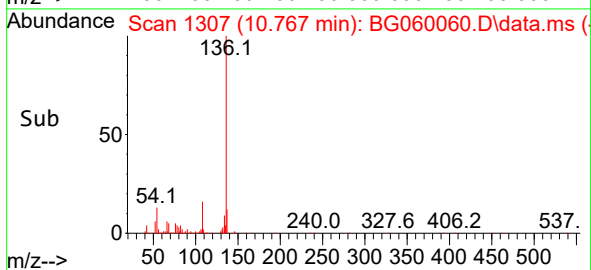
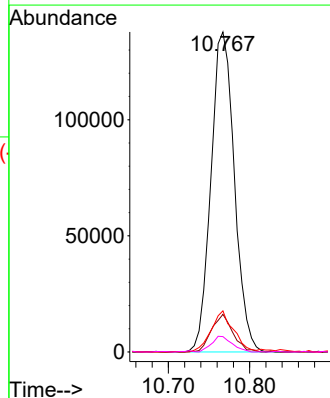
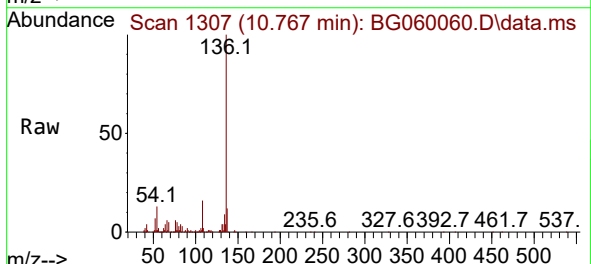
Instrument :
BNA_G
ClientSampleId :
MW-14

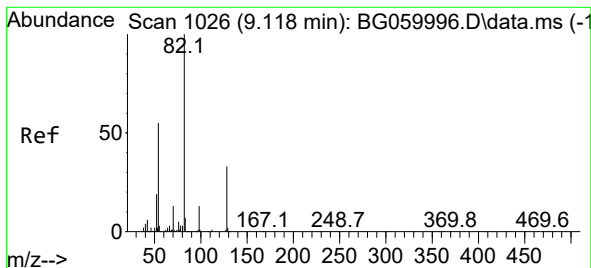
Tgt Ion: 99 Resp: 297126
Ion Ratio Lower Upper
99 100
42 20.0 16.2 24.4
71 42.7 37.6 56.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.767 min Scan# 1307
Delta R.T. 0.004 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion: 136 Resp: 276054
Ion Ratio Lower Upper
136 100
137 11.8 7.3 10.9#
54 12.9 9.6 14.4
68 4.8 4.1 6.1

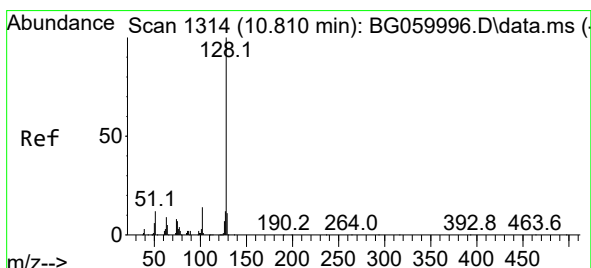
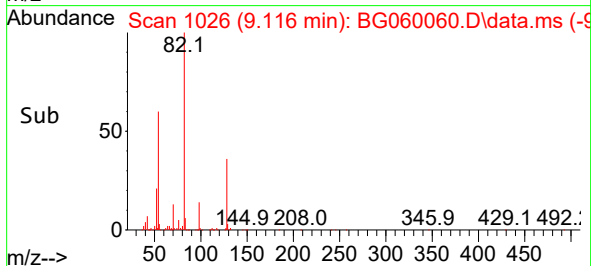
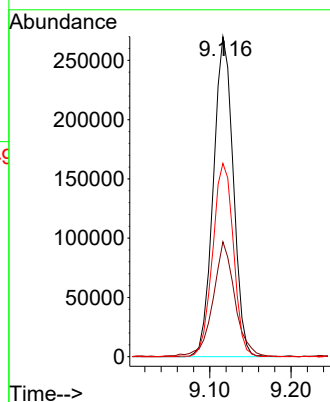
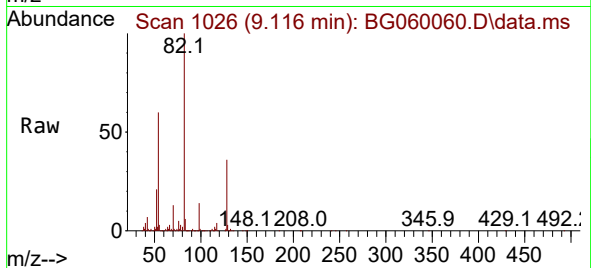




#23
Nitrobenzene-d5
Concen: 75.677 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

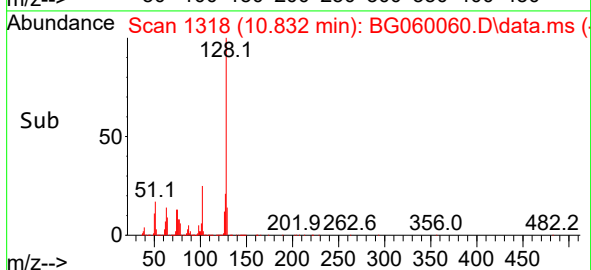
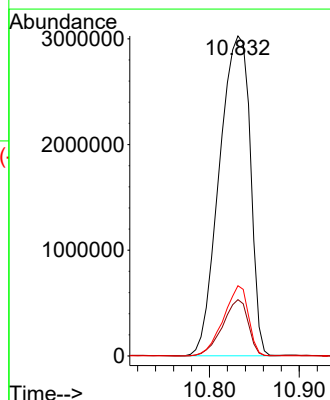
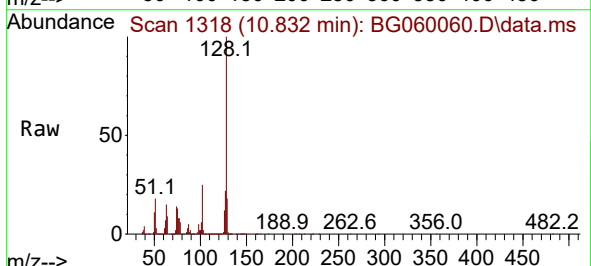
Instrument :
BNA_G
ClientSampleId :
MW-14

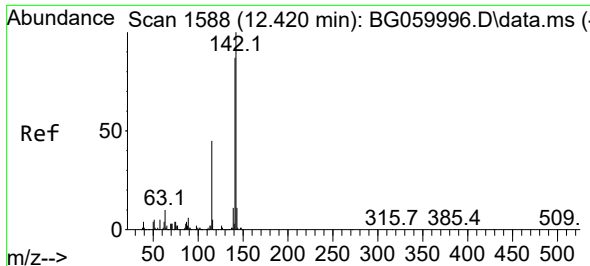
Tgt Ion: 82 Resp: 460071
Ion Ratio Lower Upper
82 100
128 35.9 26.3 39.5
54 60.4 44.3 66.5



#31
Naphthalene
Concen: 503.248 ng
RT: 10.832 min Scan# 1318
Delta R.T. 0.021 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:128 Resp: 7232062
Ion Ratio Lower Upper
128 100
129 17.6 9.2 13.8#
127 21.9 9.7 14.5#





#37

2-Methylnaphthalene

Concen: 112.928 ng

RT: 12.424 min Scan# 1

Delta R.T. 0.004 min

Lab File: BG060060.D

Acq: 16 Dec 2023 8:03

Instrument :

BNA_G

ClientSampleId :

MW-14

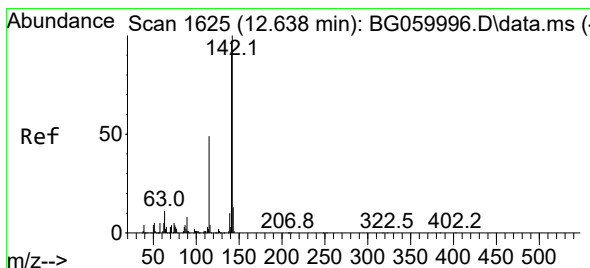
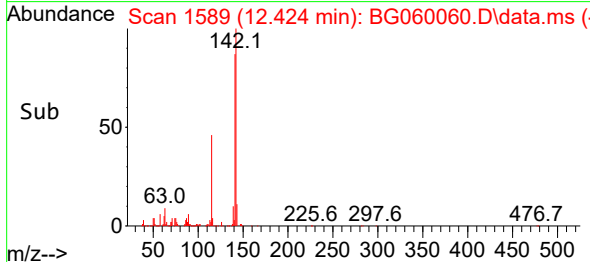
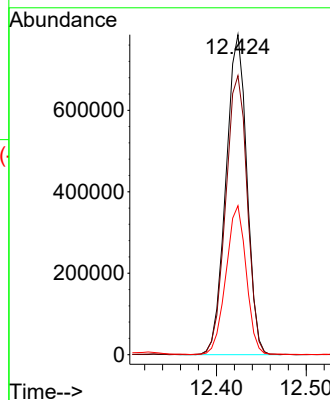
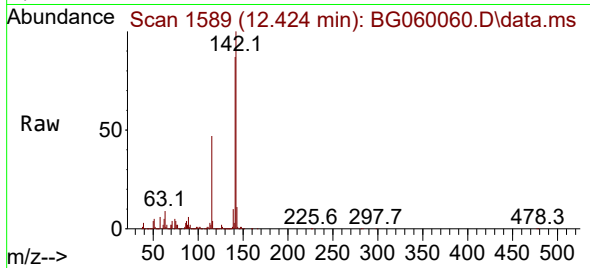
Tgt Ion:142 Resp: 1272839

Ion Ratio Lower Upper

142 100

141 87.2 69.9 104.9

115 46.6 36.1 54.1



#38

1-Methylnaphthalene

Concen: 155.515 ng

RT: 12.641 min Scan# 1626

Delta R.T. 0.004 min

Lab File: BG060060.D

Acq: 16 Dec 2023 8:03

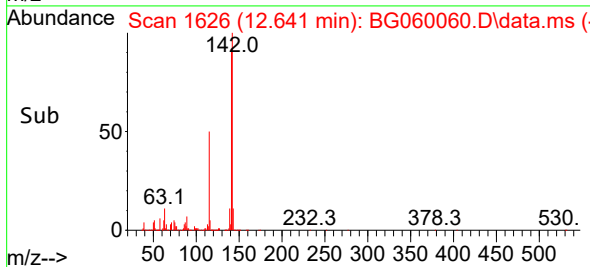
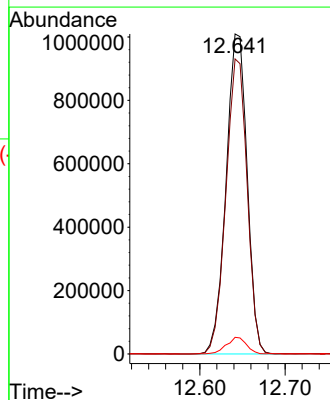
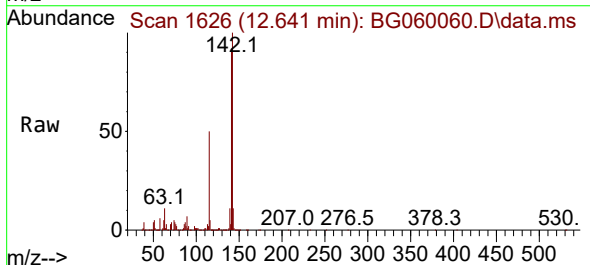
Tgt Ion:142 Resp: 1731463

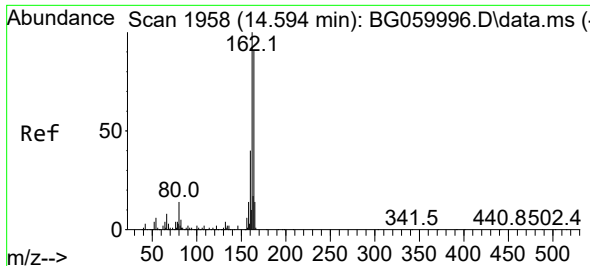
Ion Ratio Lower Upper

142 100

141 92.2 76.9 115.3

116 5.2 3.5 5.3

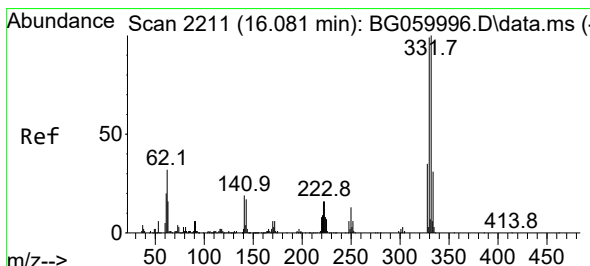
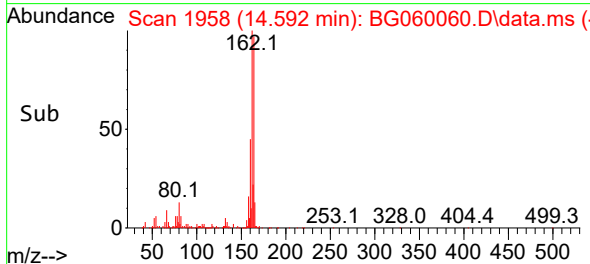
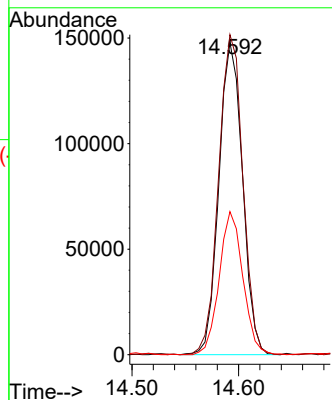
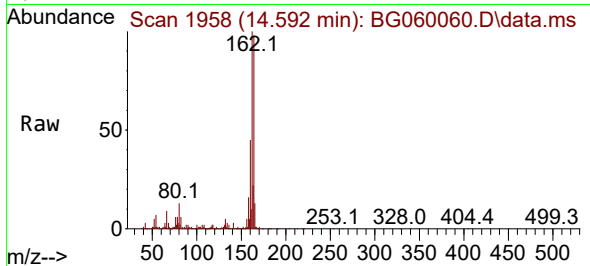




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.002 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

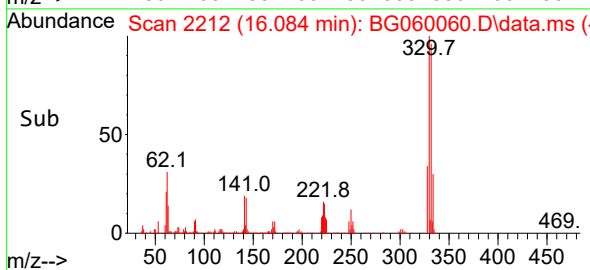
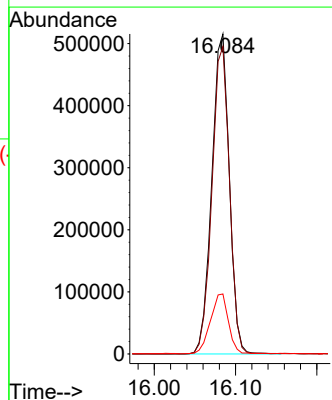
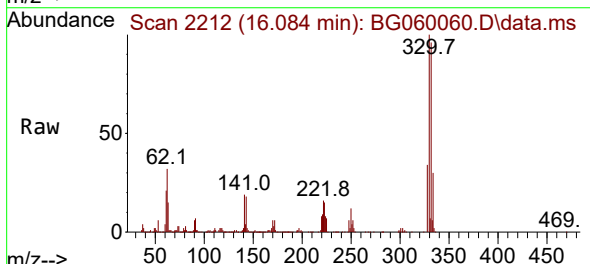
Instrument :
BNA_G
ClientSampleId :
MW-14

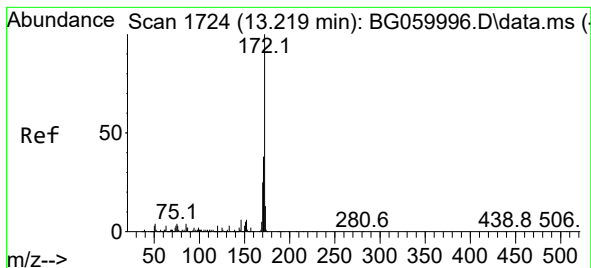
Tgt Ion:164 Resp: 226901
Ion Ratio Lower Upper
164 100
162 102.5 88.1 132.1
160 45.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 145.935 ng
RT: 16.084 min Scan# 2212
Delta R.T. 0.004 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:330 Resp: 771682
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.4
141 19.2 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 83.255 ng

RT: 13.217 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG060060.D

Acq: 16 Dec 2023 8:03

Instrument :

BNA_G

ClientSampleId :

MW-14

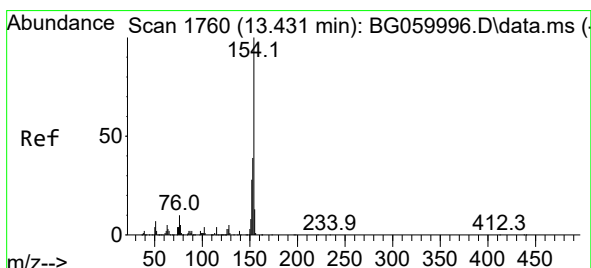
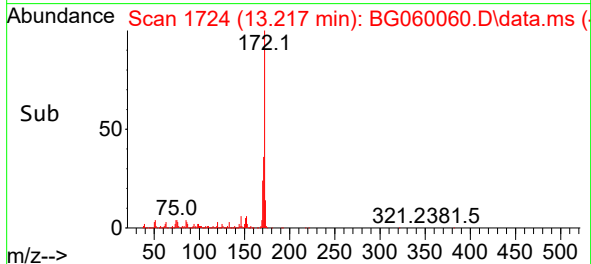
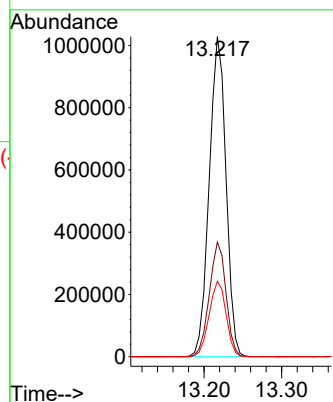
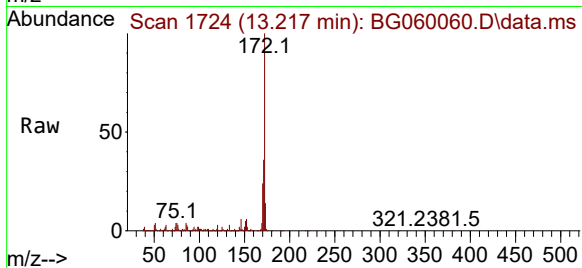
Tgt Ion:172 Resp: 1543485

Ion Ratio Lower Upper

172 100

171 35.9 30.1 45.1

170 23.6 20.0 30.0



#46

1,1'-Biphenyl

Concen: 9.877 ng

RT: 13.429 min Scan# 1760

Delta R.T. -0.002 min

Lab File: BG060060.D

Acq: 16 Dec 2023 8:03

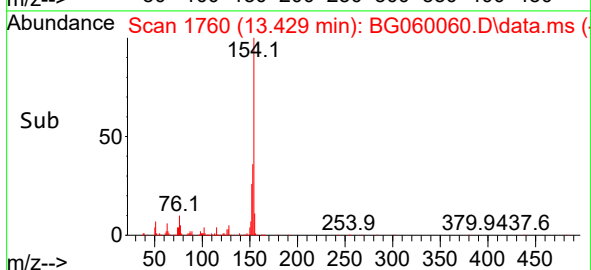
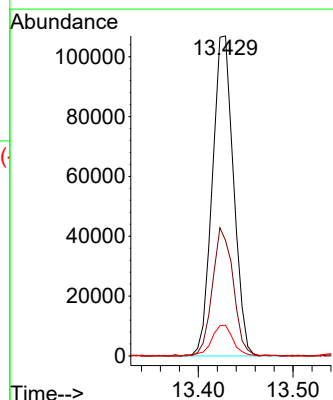
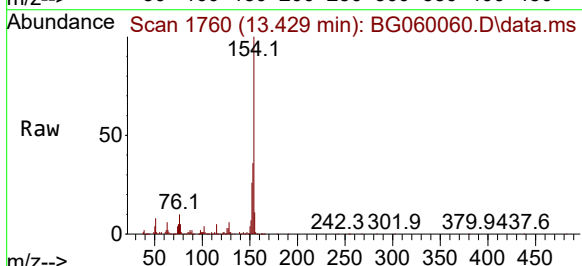
Tgt Ion:154 Resp: 166209

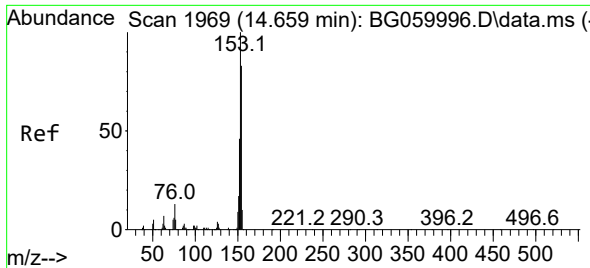
Ion Ratio Lower Upper

154 100

153 36.1 19.2 59.2

76 9.6 0.0 29.9

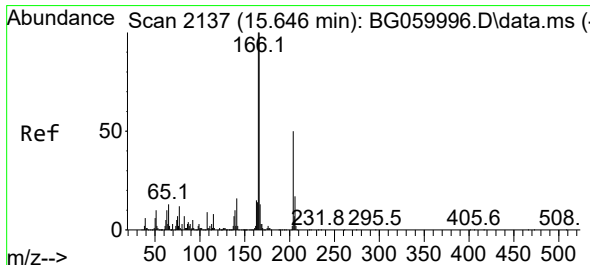
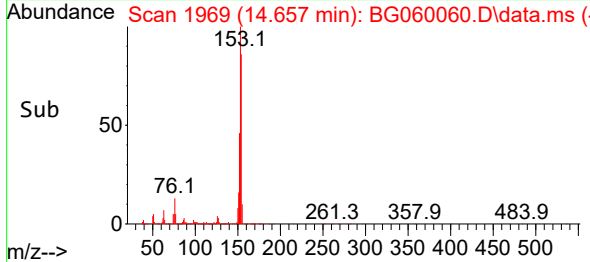
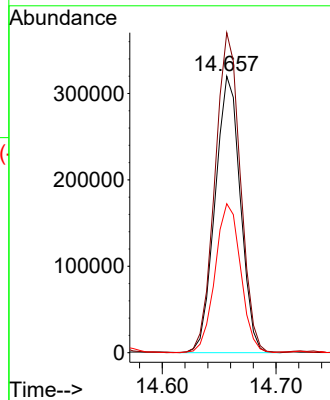
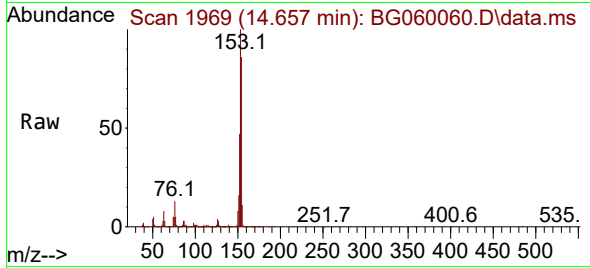




#52
Acenaphthene
Concen: 36.019 ng
RT: 14.657 min Scan# 1969
Delta R.T. -0.002 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

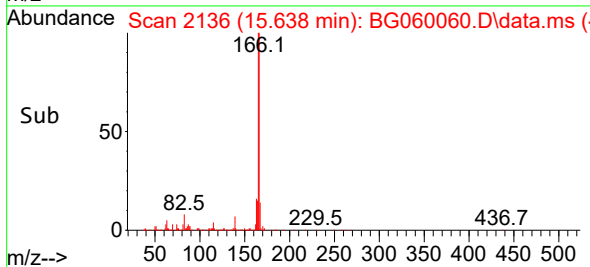
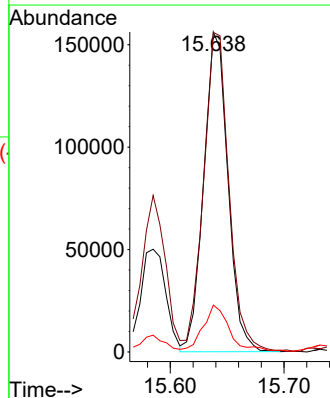
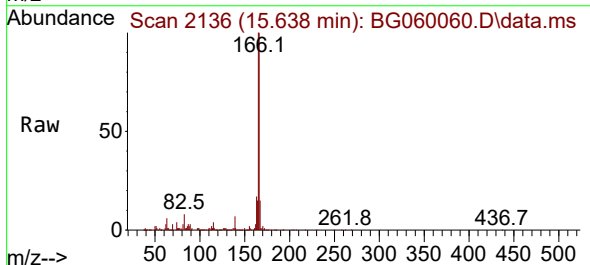
Instrument :
BNA_G
ClientSampleId :
MW-14

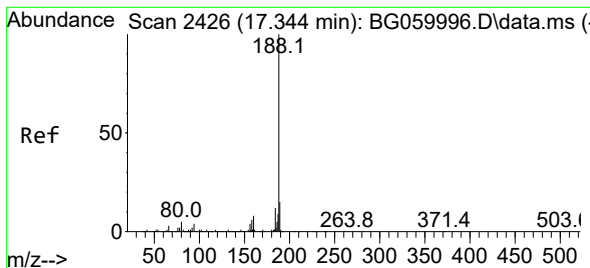
Tgt Ion:154 Resp: 494247
Ion Ratio Lower Upper
154 100
153 115.8 96.0 144.0
152 53.9 44.3 66.5



#58
Fluorene
Concen: 12.290 ng
RT: 15.638 min Scan# 2136
Delta R.T. -0.008 min
Lab File: BG060060.D
Acq: 16 Dec 2023 8:03

Tgt Ion:166 Resp: 231463
Ion Ratio Lower Upper
166 100
165 99.8 80.2 120.2
167 14.7 10.3 15.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.342 min Scan# 2426

Delta R.T. -0.002 min

Lab File: BG060060.D

Acq: 16 Dec 2023 8:03

Instrument :

BNA_G

ClientSampleId :

MW-14

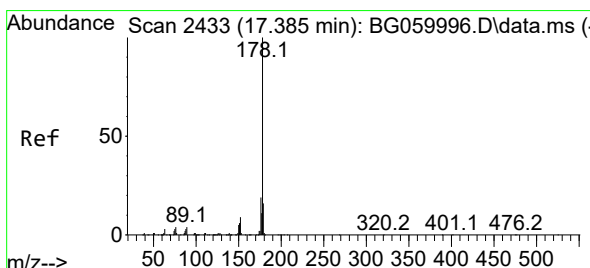
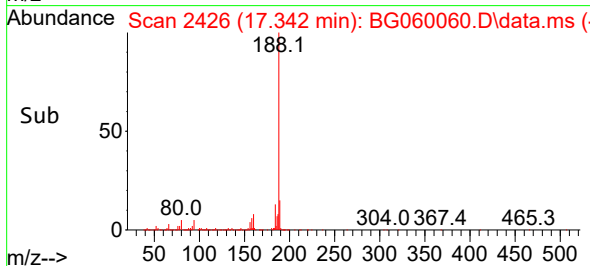
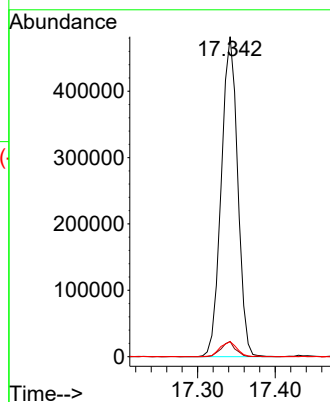
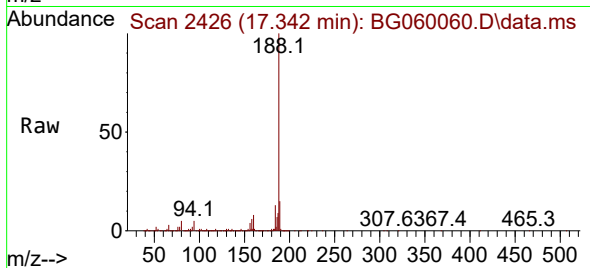
Tgt Ion:188 Resp: 709952

Ion Ratio Lower Upper

188 100

94 4.7 3.0 4.6#

80 4.7 4.0 6.0



#71

Phenanthrene

Concen: 22.859 ng

RT: 17.383 min Scan# 2433

Delta R.T. -0.002 min

Lab File: BG060060.D

Acq: 16 Dec 2023 8:03

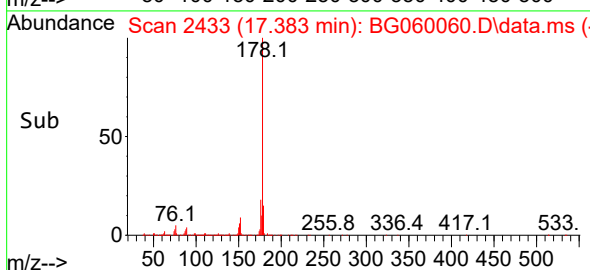
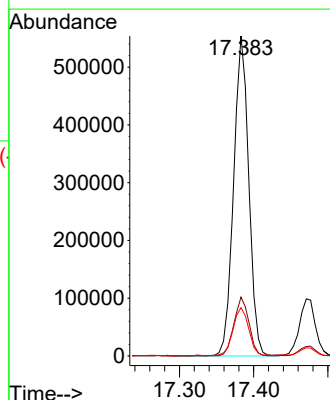
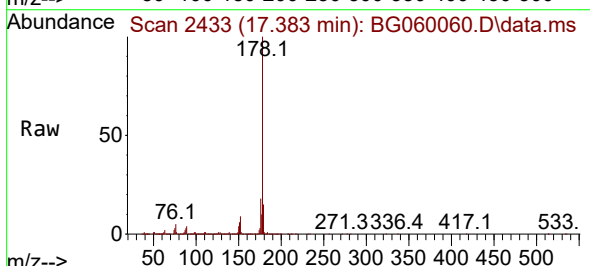
Tgt Ion:178 Resp: 786071

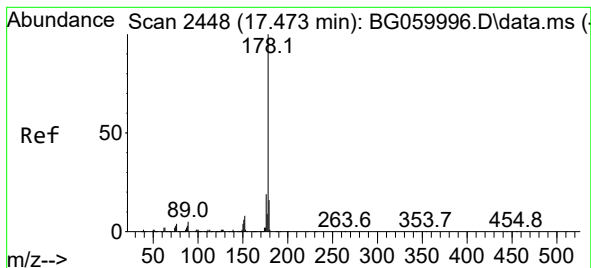
Ion Ratio Lower Upper

178 100

176 18.4 15.6 23.4

179 15.1 12.6 19.0





#72

Anthracene

Concen: 4.183 ng

RT: 17.471 min Scan# 2448

Delta R.T. -0.002 min

Lab File: BG060060.D

Acq: 16 Dec 2023 8:03

Instrument :

BNA_G

ClientSampleId :

MW-14

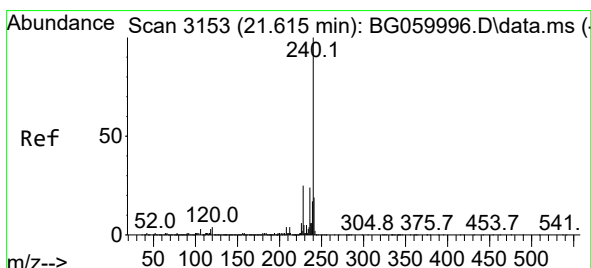
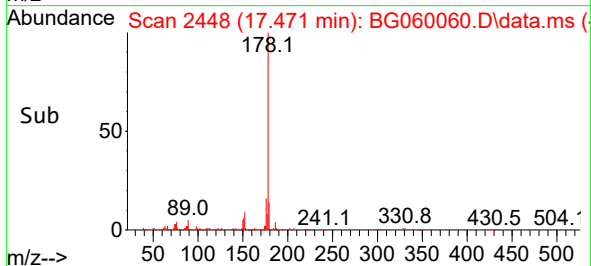
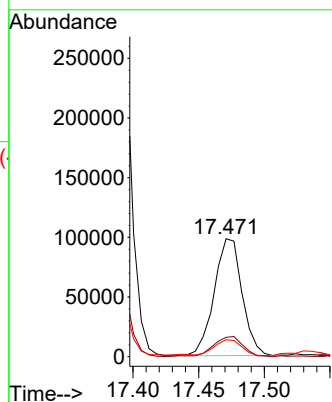
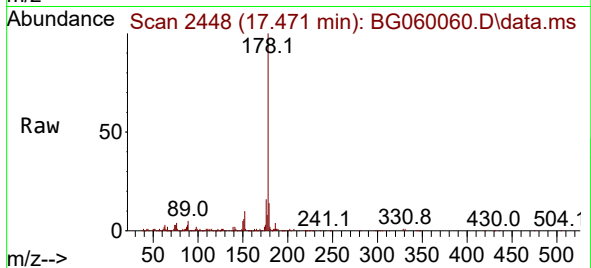
Tgt Ion:178 Resp: 144624

Ion Ratio Lower Upper

178 100

176 16.5 15.0 22.6

179 14.4 12.6 19.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.607 min Scan# 3152

Delta R.T. -0.008 min

Lab File: BG060060.D

Acq: 16 Dec 2023 8:03

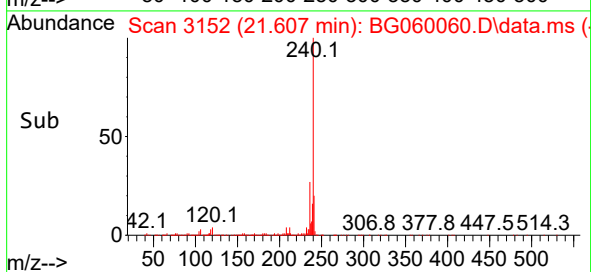
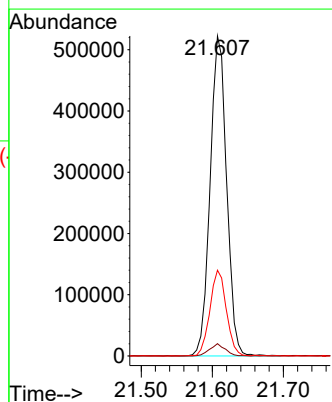
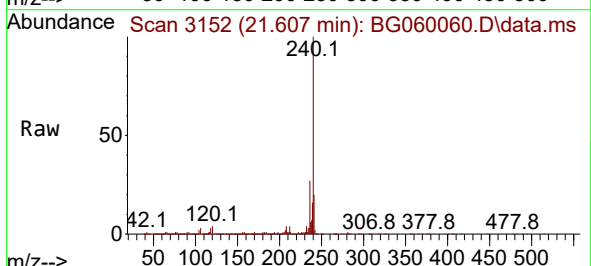
Tgt Ion:240 Resp: 842149

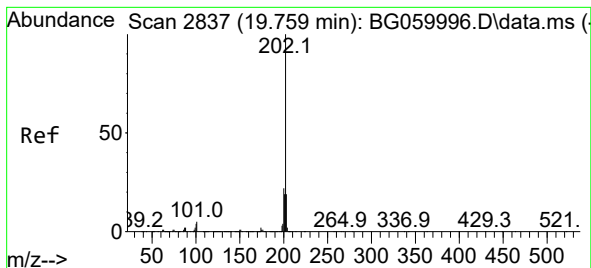
Ion Ratio Lower Upper

240 100

120 3.8 2.9 4.3

236 26.8 19.4 29.2





#78

Pyrene

Concen: 3.367 ng

RT: 19.757 min Scan# 2

Delta R.T. -0.002 min

Lab File: BG060060.D

Acq: 16 Dec 2023 8:03

Instrument :

BNA_G

ClientSampleId :

MW-14

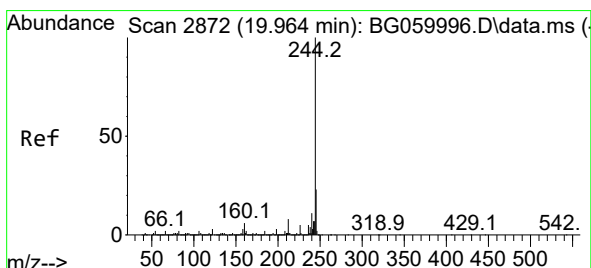
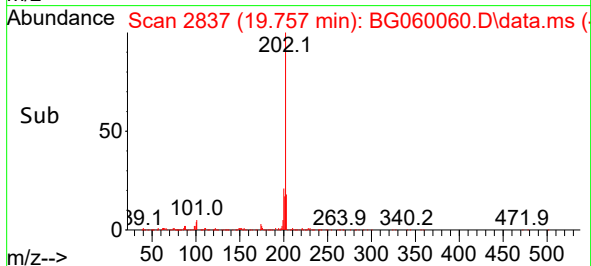
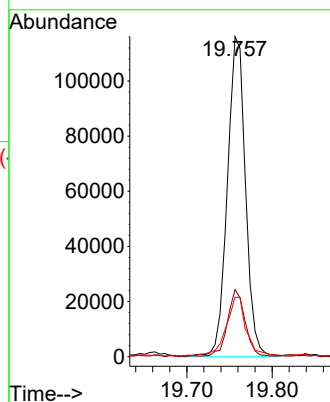
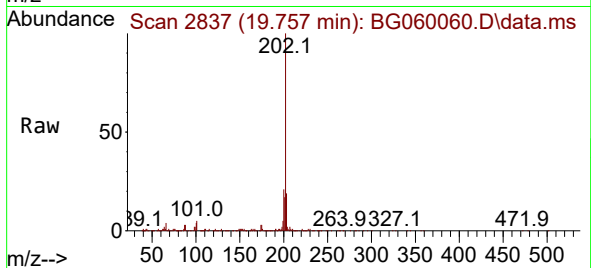
Tgt Ion:202 Resp: 171906

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

203 18.6 14.9 22.3



#79

Terphenyl-d14

Concen: 84.816 ng

RT: 19.962 min Scan# 2872

Delta R.T. -0.002 min

Lab File: BG060060.D

Acq: 16 Dec 2023 8:03

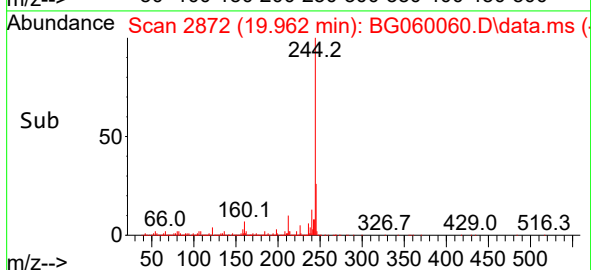
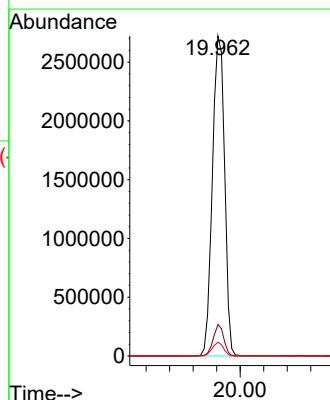
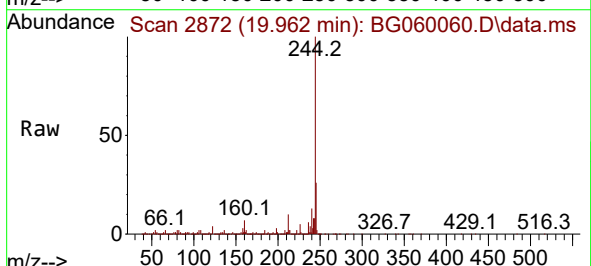
Tgt Ion:244 Resp: 3912308

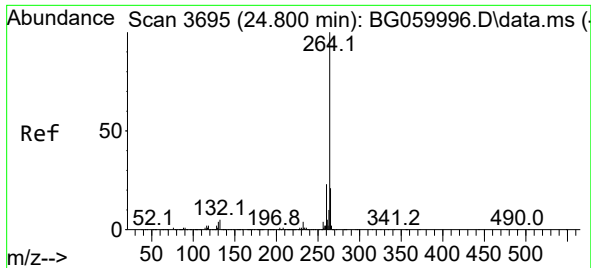
Ion Ratio Lower Upper

244 100

212 9.8 6.8 10.2

122 4.3 2.6 3.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.798 min Scan# 30
 Delta R.T. -0.002 min
 Lab File: BG060060.D
 Acq: 16 Dec 2023 8:03

Instrument :
 BNA_G
 ClientSampleId :
 MW-14

Tgt Ion:264 Resp: 989465
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.5 27.7
 265 20.1 17.3 25.9

