

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121423\
 Data File : BG060022.D
 Acq On : 14 Dec 2023 21:44
 Operator : MA/JU
 Sample : 05612-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-04I

Quant Time: Dec 15 02:39:13 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)

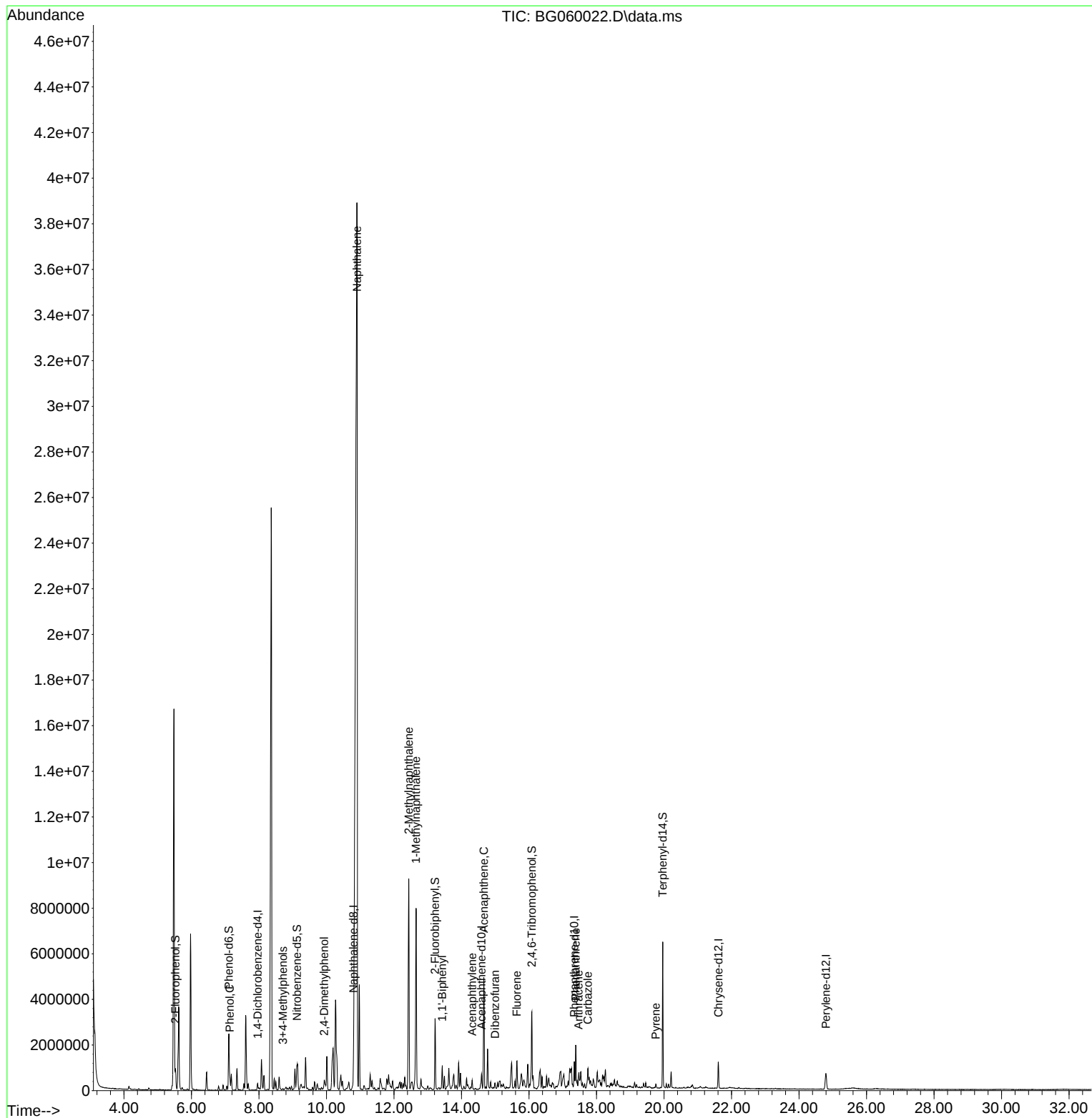
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	77666	20.000	ng	0.00
21) Naphthalene-d8	10.803	136	282709	20.000	ng	0.04
39) Acenaphthene-d10	14.592	164	242384	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	762110	20.000	ng	0.00
76) Chrysene-d12	21.608	240	728264	20.000	ng	0.00
86) Perylene-d12	24.798	264	873252	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	285141	62.849	ng	0.00
7) Phenol-d6	7.107	99	269476	42.225	ng	0.00
23) Nitrobenzene-d5	9.122	82	583932	93.790	ng	0.00
42) 2,4,6-Tribromophenol	16.085	330	814475	144.189	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	1636180	82.617	ng	0.00
79) Terphenyl-d14	19.962	244	3379298	84.717	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.136	94	253293	39.509	ng	96
20) 3+4-Methylphenols	8.711	107	27236	4.562	ng	88
27) 2,4-Dimethylphenol	9.933	122	170508	53.511	ng	97
31) Naphthalene	10.903	128	24588416	1670.723	ng	# 1
37) 2-Methylnaphthalene	12.436	142	4117314	356.694	ng	# 89
38) 1-Methylnaphthalene	12.653	142	3477767	305.009	ng	# 99
46) 1,1'-Biphenyl	13.429	154	537889	29.923	ng	99
49) Acenaphthylene	14.316	152	71489	3.357	ng	# 60
52) Acenaphthene	14.663	154	1763969	120.339	ng	96
55) Dibenzofuran	14.992	168	113954	4.776	ng	97
58) Fluorene	15.638	166	579006	28.780	ng	99
71) Phenanthrene	17.383	178	1296531	35.123	ng	98
72) Anthracene	17.471	178	229357	6.180	ng	96
73) Carbazole	17.742	167	413065	13.097	ng	99
78) Pyrene	19.757	202	114965	2.604	ng	98

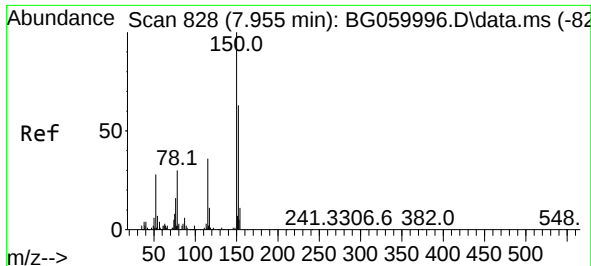
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121423\
Data File : BG060022.D
Acq On : 14 Dec 2023 21:44
Operator : MA/JU
Sample : 05612-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-04I

Quant Time: Dec 15 02:39:13 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

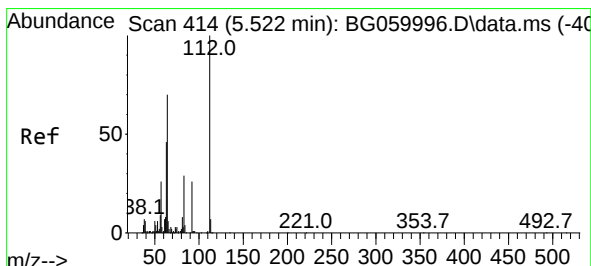
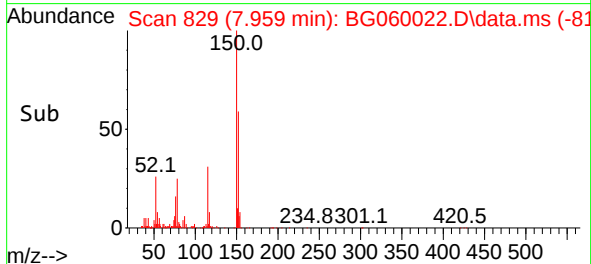
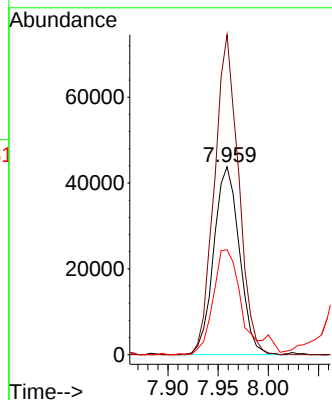
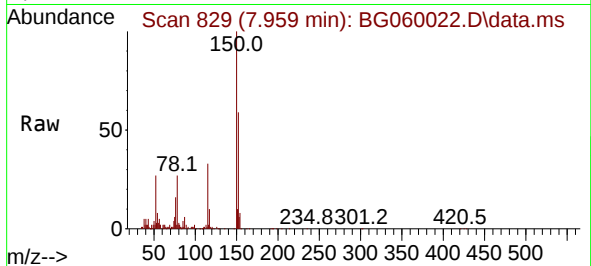




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.959 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

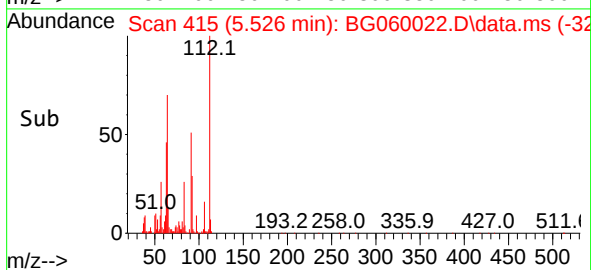
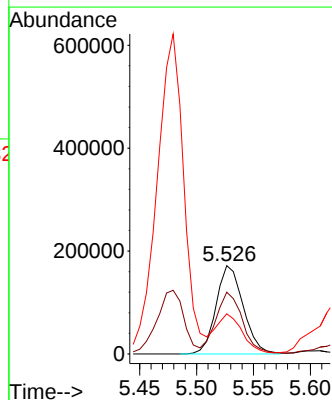
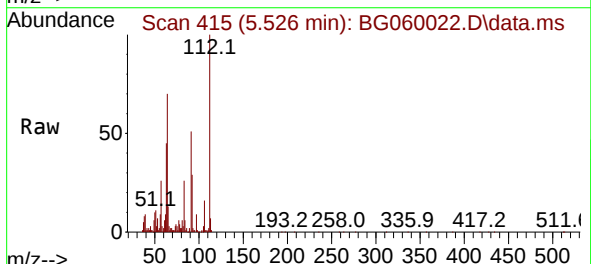
Instrument :
BNA_G
ClientSampleId :
MW-04I

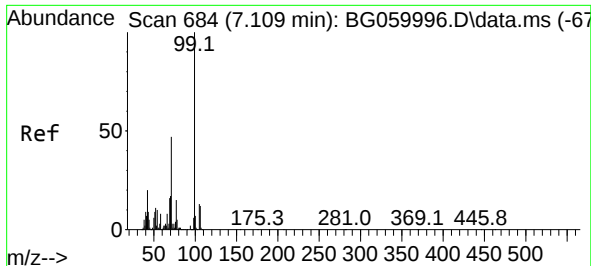
Tgt Ion:152 Resp: 77666
Ion Ratio Lower Upper
152 100
150 170.4 127.0 190.6
115 55.9 45.7 68.5



#5
2-Fluorophenol
Concen: 62.849 ng
RT: 5.526 min Scan# 415
Delta R.T. 0.004 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

Tgt Ion:112 Resp: 285141
Ion Ratio Lower Upper
112 100
64 70.0 55.9 83.9
63 45.5 36.5 54.7

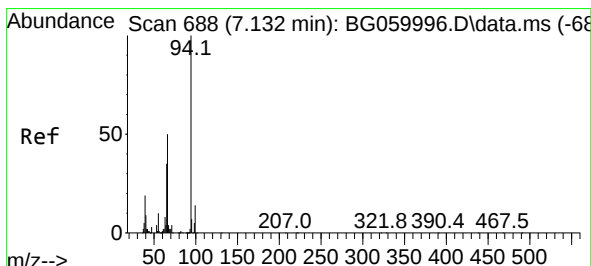
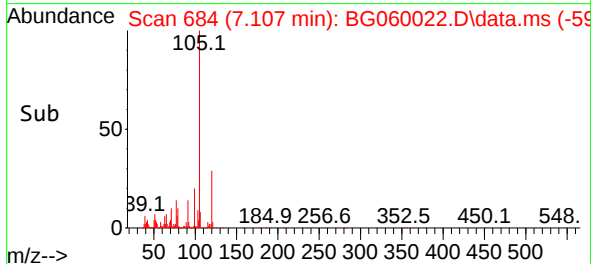
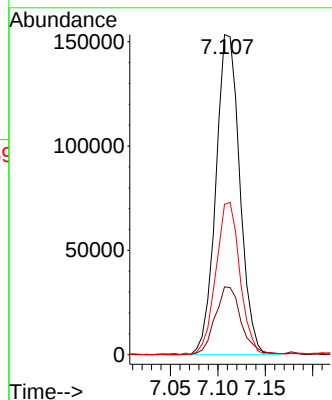
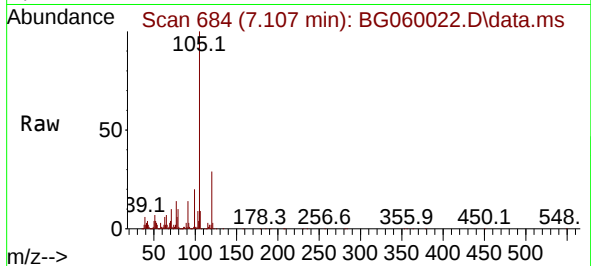




#7
Phenol-d6
Concen: 42.225 ng
RT: 7.107 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

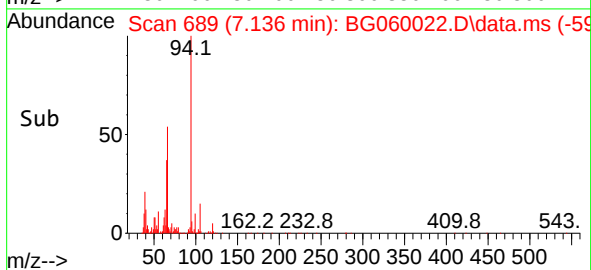
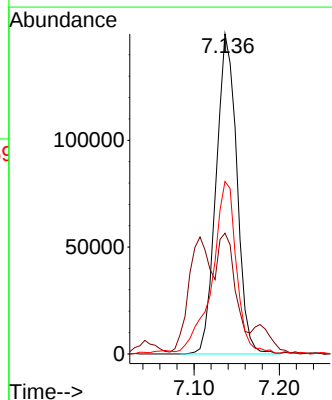
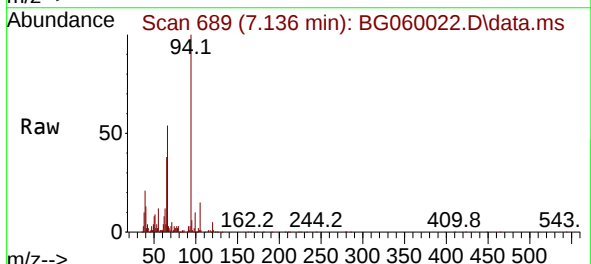
Instrument :
BNA_G
ClientSampleId :
MW-04I

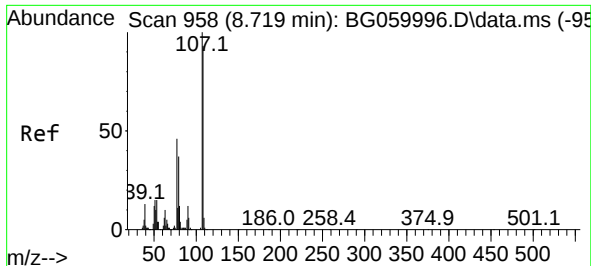
Tgt Ion: 99 Resp: 269476
Ion Ratio Lower Upper
99 100
42 21.2 16.2 24.4
71 47.0 37.6 56.4



#10
Phenol
Concen: 39.509 ng
RT: 7.136 min Scan# 689
Delta R.T. 0.004 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

Tgt Ion: 94 Resp: 253293
Ion Ratio Lower Upper
94 100
65 37.8 15.5 55.5
66 53.9 31.6 71.6

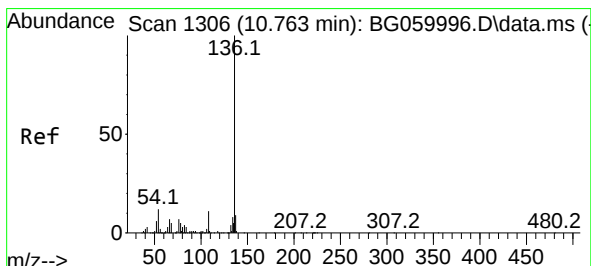
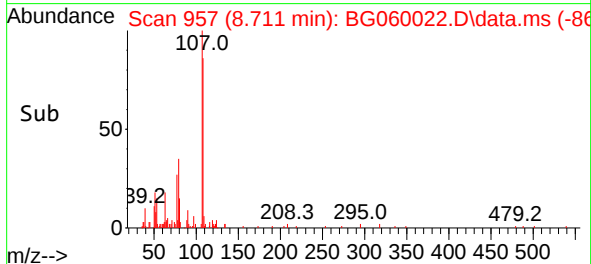
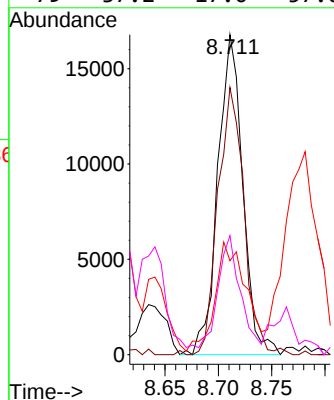
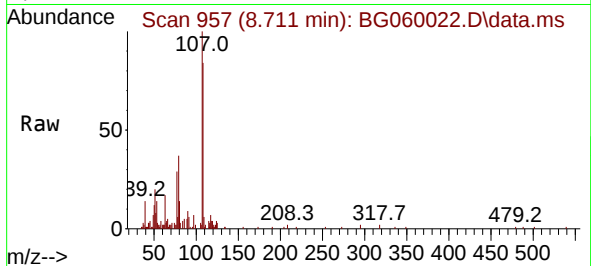




#20
3+4-Methylphenols
Concen: 4.562 ng
RT: 8.711 min Scan# 91
Delta R.T. -0.008 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

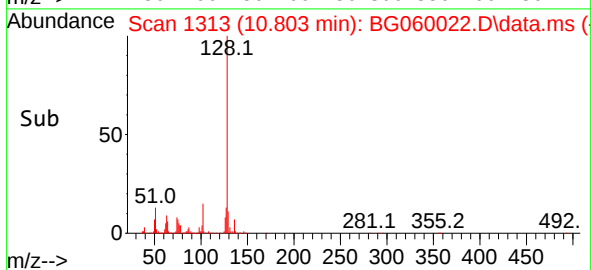
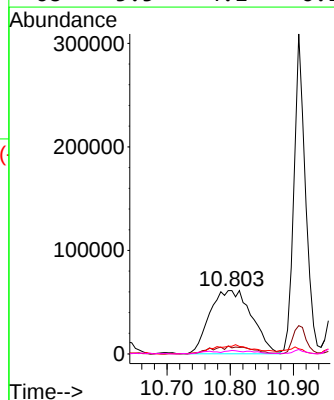
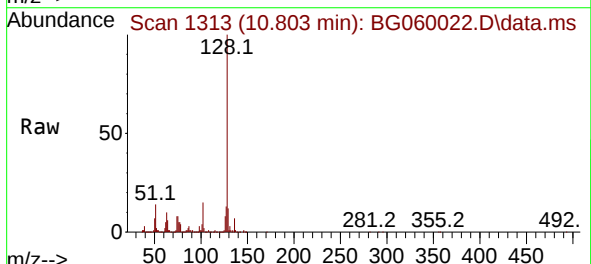
Instrument :
BNA_G
ClientSampleId :
MW-04I

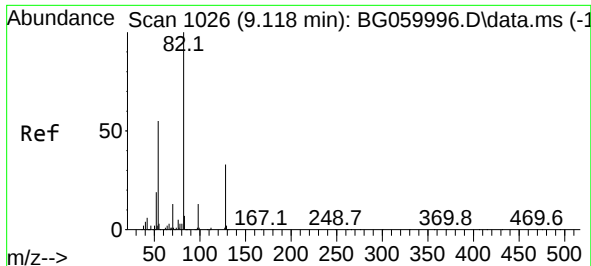
Tgt	Ion:107	Resp:	27236
Ion	Ratio	Lower	Upper
107	100		
108	83.5	72.8	112.8
77	29.4	25.6	65.6
79	37.2	17.0	57.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.803 min Scan# 1313
Delta R.T. 0.039 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

Tgt	Ion:136	Resp:	282709
Ion	Ratio	Lower	Upper
136	100		
137	9.6	7.3	10.9
54	12.2	9.6	14.4
68	5.5	4.1	6.1

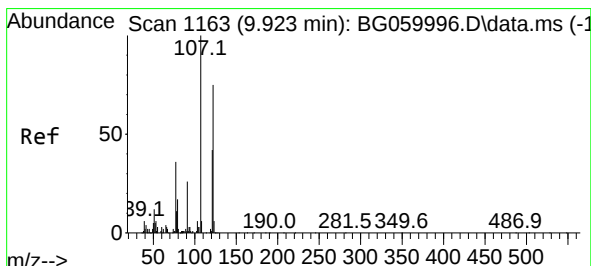
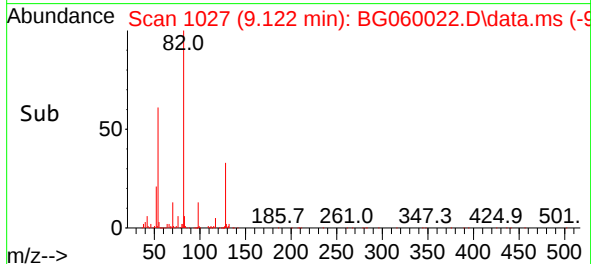
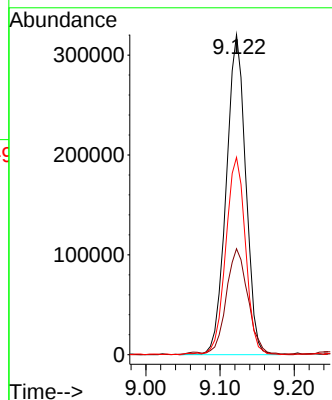
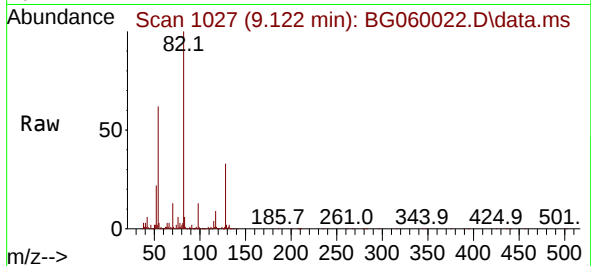




#23
Nitrobenzene-d5
Concen: 93.790 ng
RT: 9.122 min Scan# 1026
Delta R.T. 0.004 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

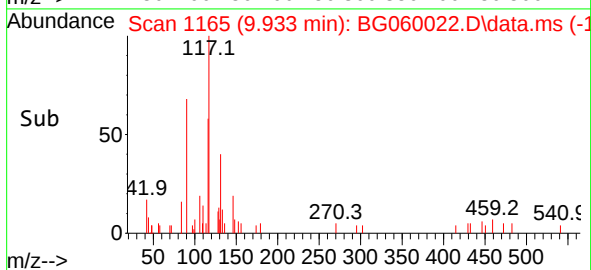
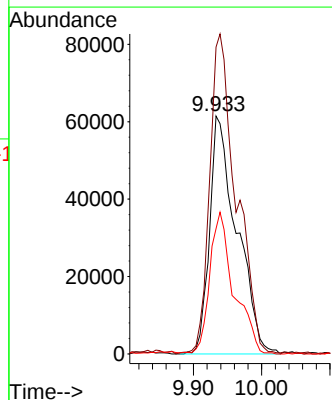
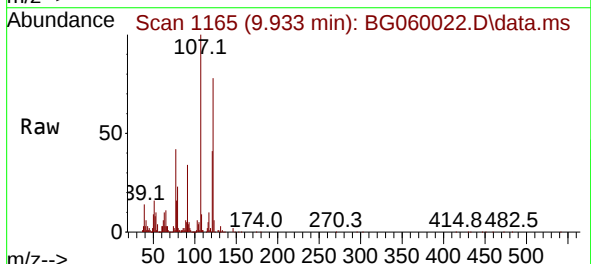
Instrument :
BNA_G
ClientSampleId :
MW-04I

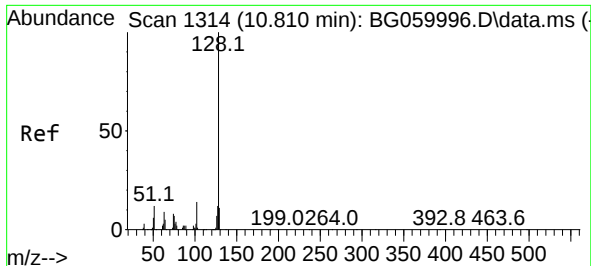
Tgt Ion: 82 Resp: 583932
Ion Ratio Lower Upper
82 100
128 33.1 26.3 39.5
54 61.7 44.3 66.5



#27
2,4-Dimethylphenol
Concen: 53.511 ng
RT: 9.933 min Scan# 1165
Delta R.T. 0.010 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

Tgt Ion: 122 Resp: 170508
Ion Ratio Lower Upper
122 100
107 129.0 105.9 158.9
121 52.6 44.5 66.7

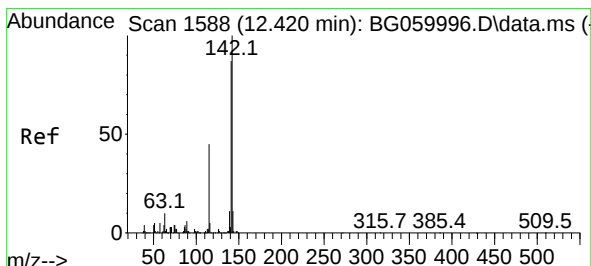
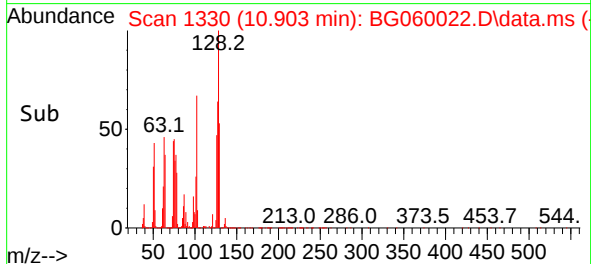
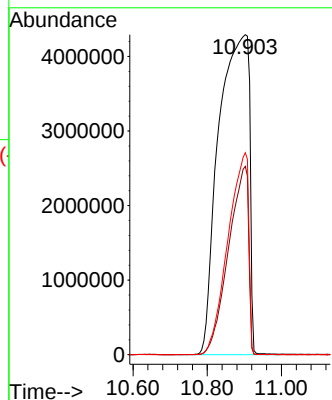
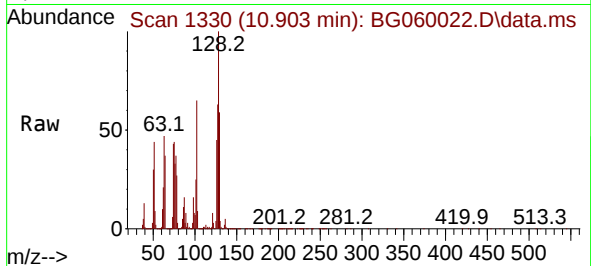




#31
Naphthalene
Concen: 1670.723 ng
RT: 10.903 min Scan# 11
Delta R.T. 0.092 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

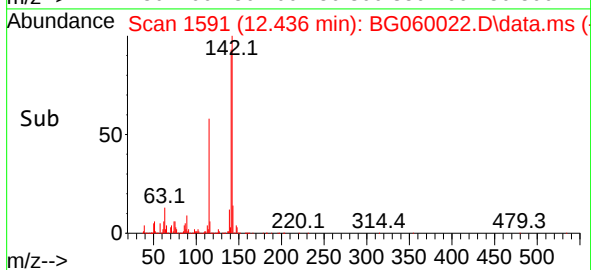
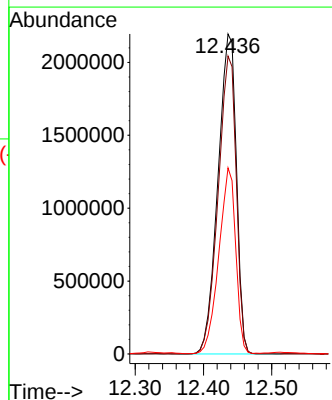
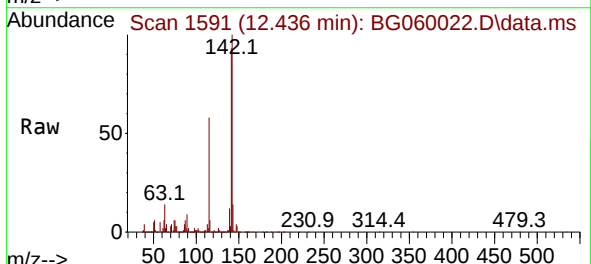
Instrument :
BNA_G
ClientSampleId :
MW-04I

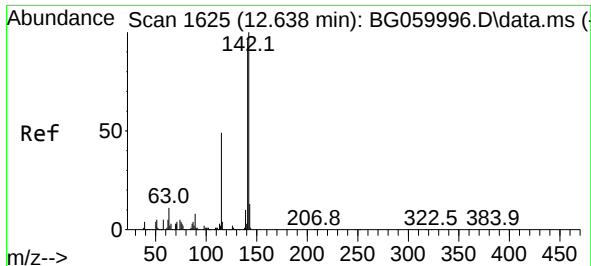
Tgt Ion:128 Resp:24588416
Ion Ratio Lower Upper
128 100
129 58.9 9.2 13.8#
127 63.1 9.7 14.5#



#37
2-Methylnaphthalene
Concen: 356.694 ng
RT: 12.436 min Scan# 1591
Delta R.T. 0.016 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

Tgt Ion:142 Resp: 4117314
Ion Ratio Lower Upper
142 100
141 93.1 69.9 104.9
115 58.2 36.1 54.1#

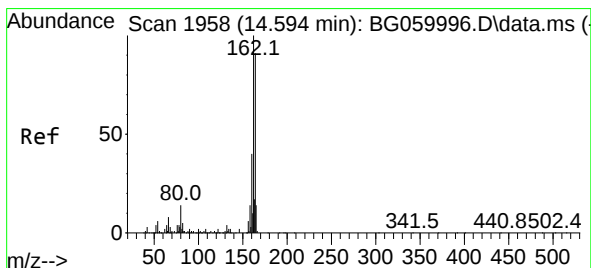
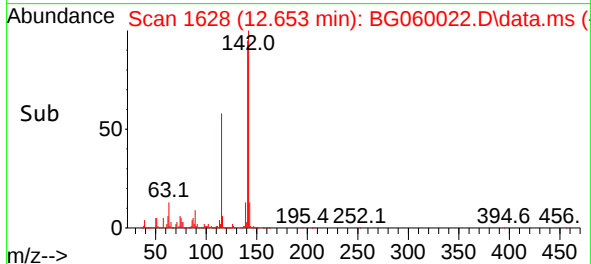
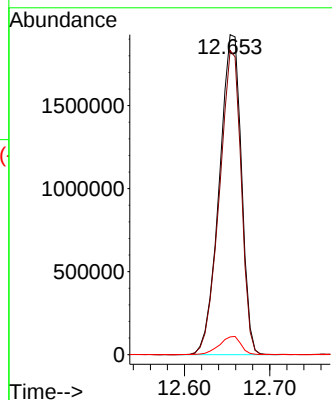
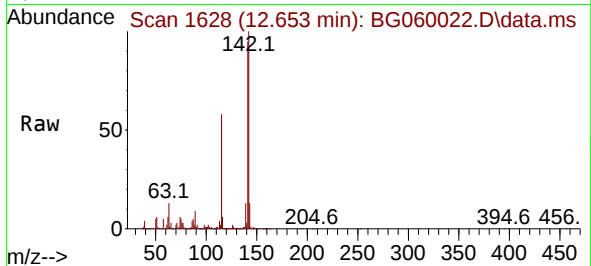




#38
1-Methylnaphthalene
Concen: 305.009 ng
RT: 12.653 min Scan# 1
Delta R.T. 0.016 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

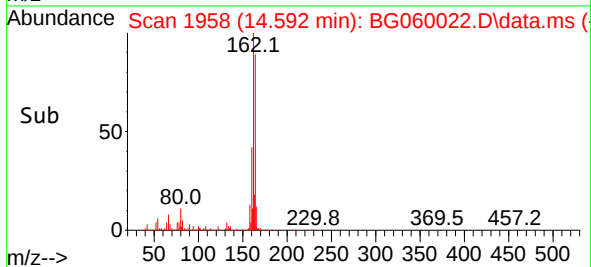
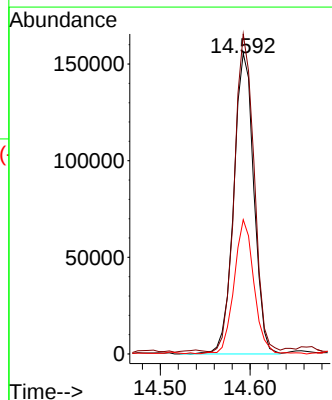
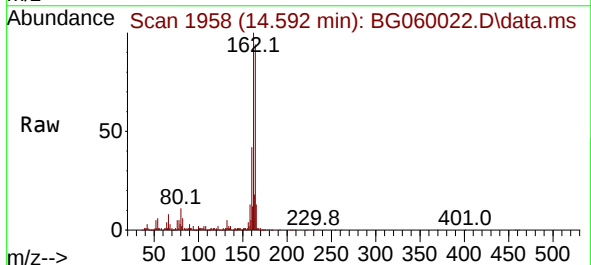
Instrument :
BNA_G
ClientSampleId :
MW-04I

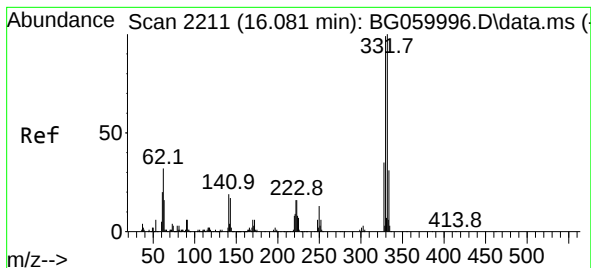
Tgt Ion:142 Resp: 3477767
Ion Ratio Lower Upper
142 100
141 95.1 76.9 115.3
116 5.6 3.5 5.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.002 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

Tgt Ion:164 Resp: 242384
Ion Ratio Lower Upper
164 100
162 106.5 88.1 132.1
160 44.7 35.4 53.0

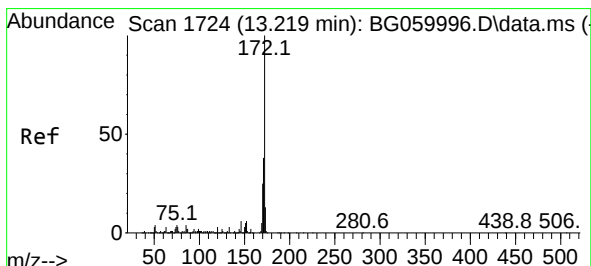
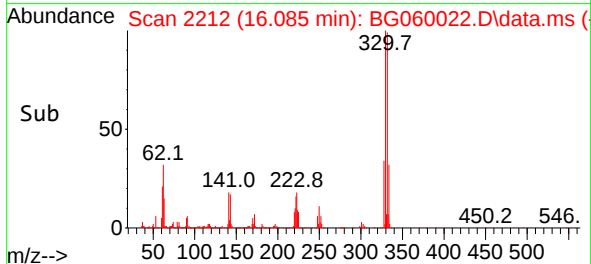
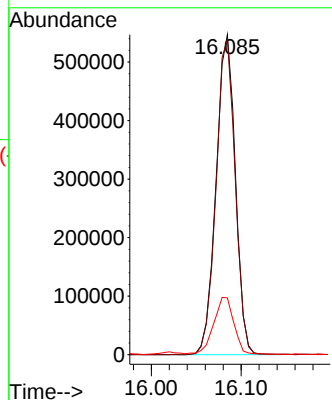
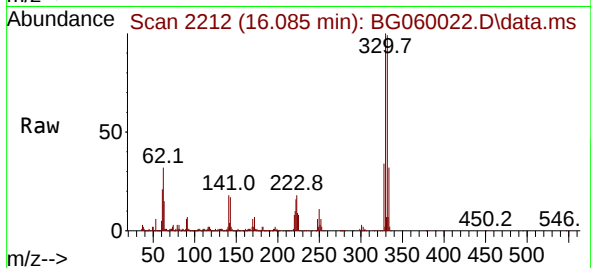




#42
2,4,6-Tribromophenol
Concen: 144.189 ng
RT: 16.085 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

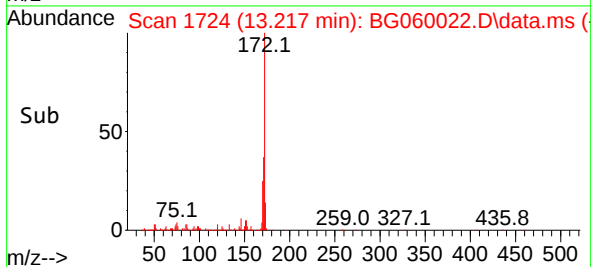
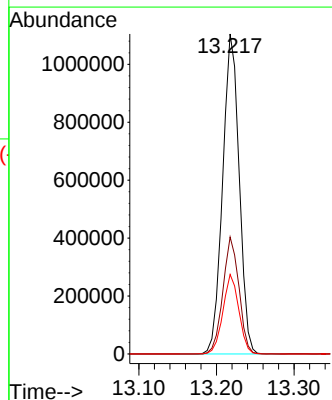
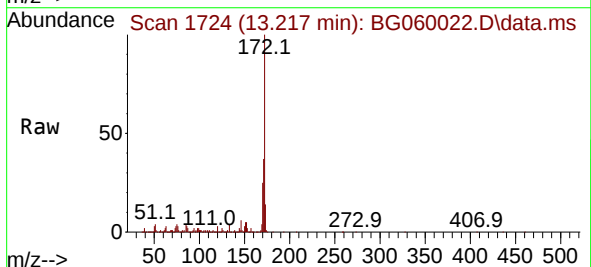
Instrument :
BNA_G
ClientSampleId :
MW-04I

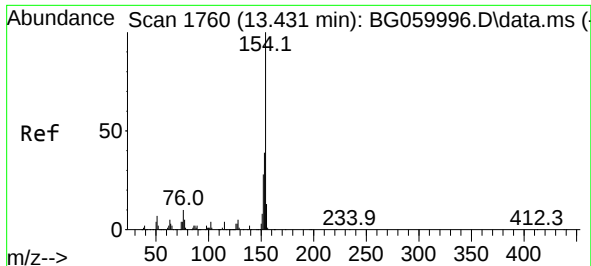
Tgt Ion:330 Resp: 814475
Ion Ratio Lower Upper
330 100
332 97.9 76.2 114.4
141 18.6 14.3 21.5



#45
2-Fluorobiphenyl
Concen: 82.617 ng
RT: 13.217 min Scan# 1724
Delta R.T. -0.002 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

Tgt Ion:172 Resp: 1636180
Ion Ratio Lower Upper
172 100
171 36.5 30.1 45.1
170 24.8 20.0 30.0

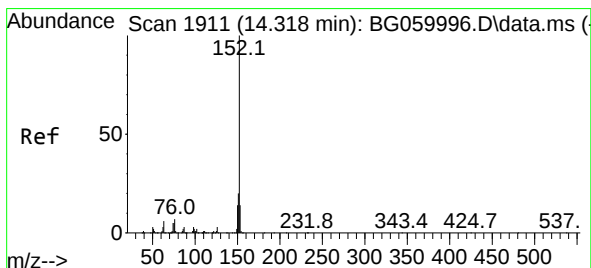
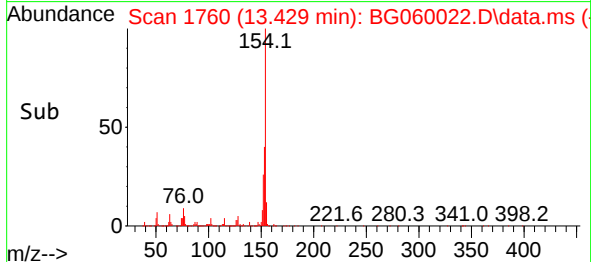
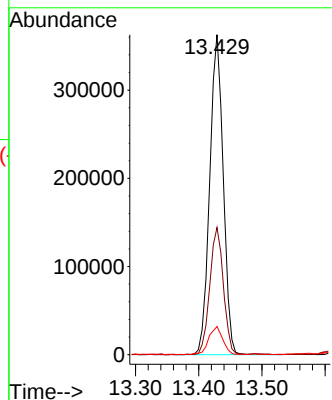
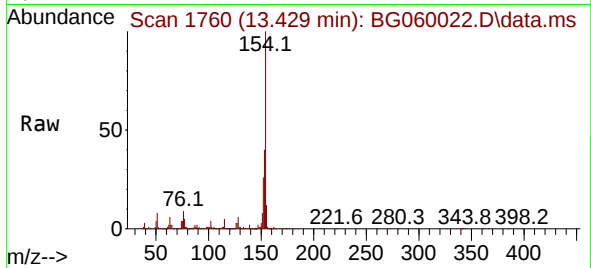




#46
1,1'-Biphenyl
Concen: 29.923 ng
RT: 13.429 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

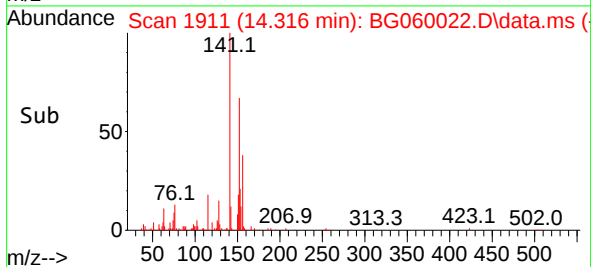
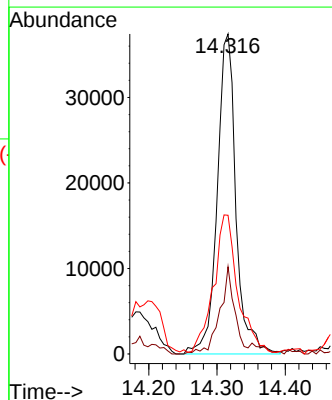
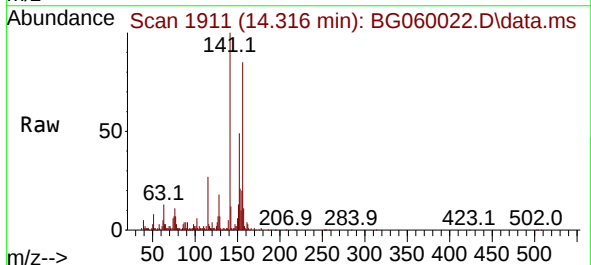
Instrument :
BNA_G
ClientSampleId :
MW-04I

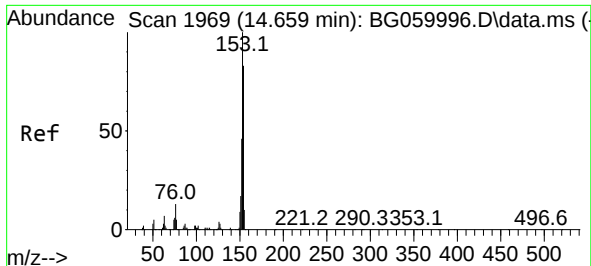
Tgt Ion:154 Resp: 537889
Ion Ratio Lower Upper
154 100
153 39.8 19.2 59.2
76 8.8 0.0 29.9



#49
Acenaphthylene
Concen: 3.357 ng
RT: 14.316 min Scan# 1911
Delta R.T. -0.002 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

Tgt Ion:152 Resp: 71489
Ion Ratio Lower Upper
152 100
151 27.3 15.8 23.8#
153 43.4 11.0 16.4#

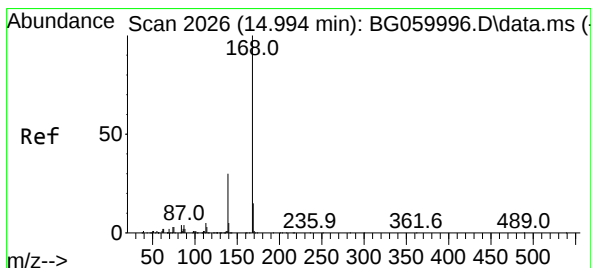
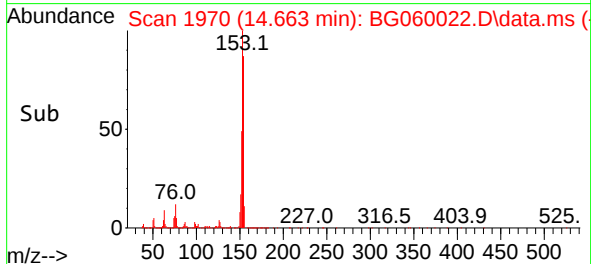
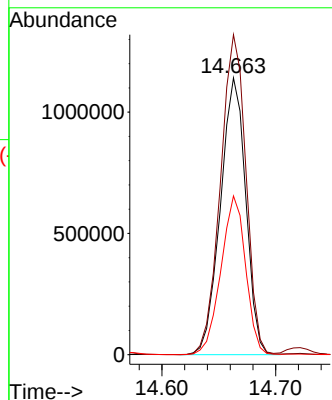
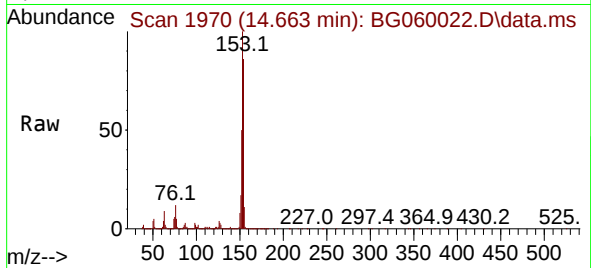




#52
Acenaphthene
Concen: 120.339 ng
RT: 14.663 min Scan# 1969
Delta R.T. 0.004 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

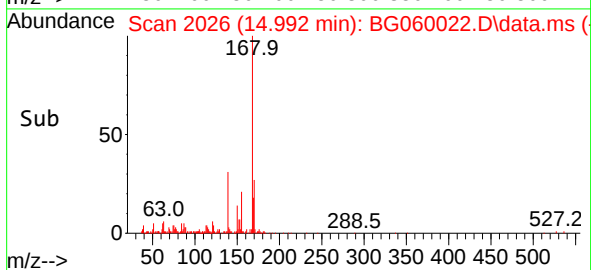
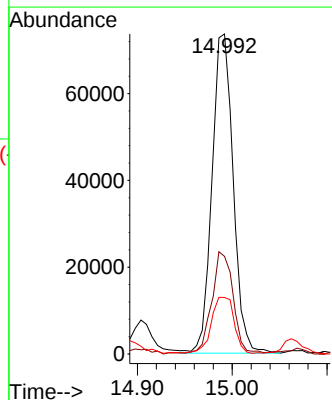
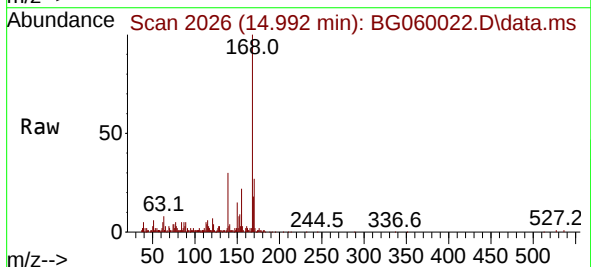
Instrument :
BNA_G
ClientSampleId :
MW-04I

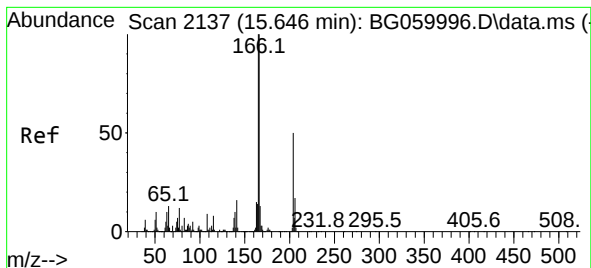
Tgt Ion:154 Resp: 1763969
Ion Ratio Lower Upper
154 100
153 115.6 96.0 144.0
152 57.3 44.3 66.5



#55
Dibenzofuran
Concen: 4.776 ng
RT: 14.992 min Scan# 2026
Delta R.T. -0.002 min
Lab File: BG060022.D
Acq: 14 Dec 2023 21:44

Tgt Ion:168 Resp: 113954
Ion Ratio Lower Upper
168 100
139 30.5 24.0 36.0
169 17.7 11.8 17.8





#58

Fluorene

Concen: 28.780 ng

RT: 15.638 min Scan# 2136

Delta R.T. -0.008 min

Lab File: BG060022.D

Acq: 14 Dec 2023 21:44

Instrument :

BNA_G

ClientSampleId :

MW-04I

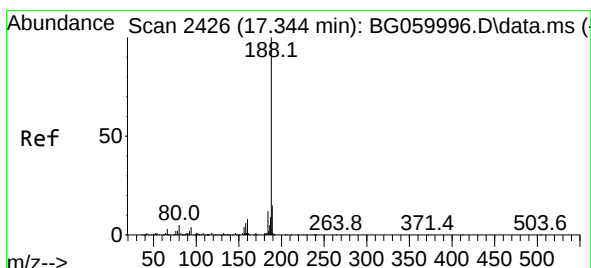
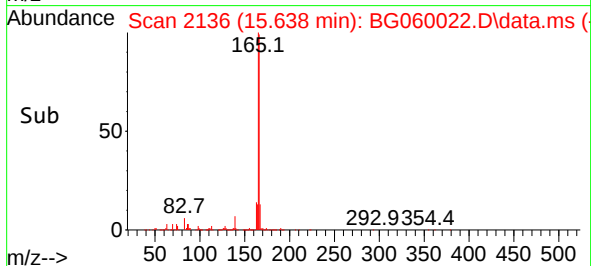
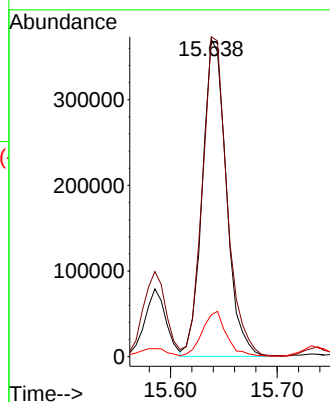
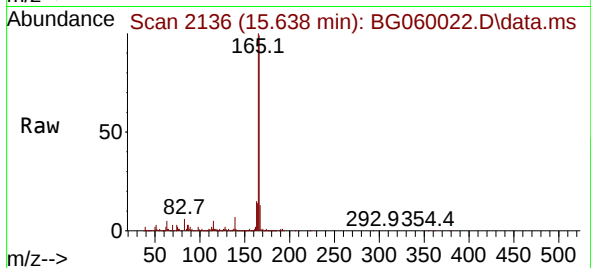
Tgt Ion:166 Resp: 579006

Ion Ratio Lower Upper

166 100

165 100.8 80.2 120.2

167 13.1 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: BG060022.D

Acq: 14 Dec 2023 21:44

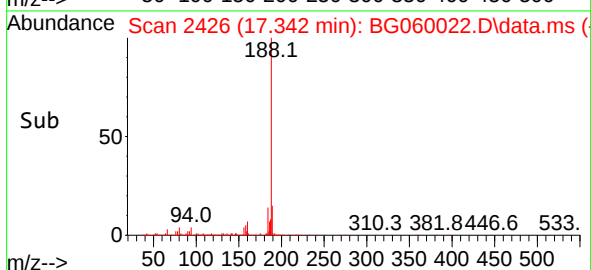
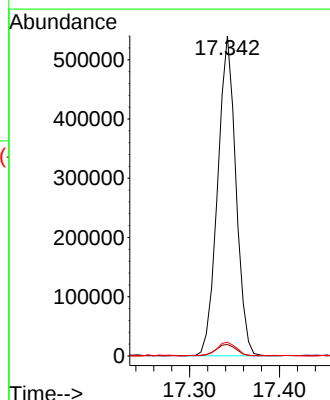
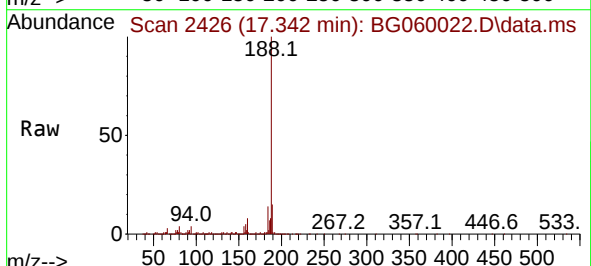
Tgt Ion:188 Resp: 762110

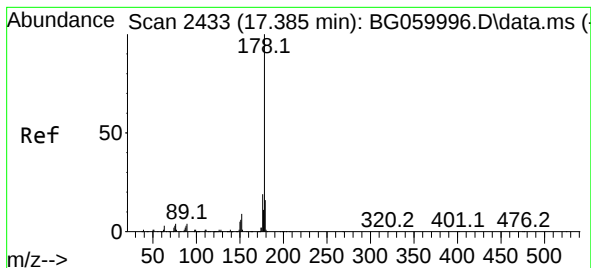
Ion Ratio Lower Upper

188 100

94 3.6 3.0 4.6

80 4.3 4.0 6.0





#71

Phenanthrene

Concen: 35.123 ng

RT: 17.383 min Scan# 2433

Delta R.T. -0.002 min

Lab File: BG060022.D

Acq: 14 Dec 2023 21:44

Instrument :

BNA_G

ClientSampleId :

MW-04I

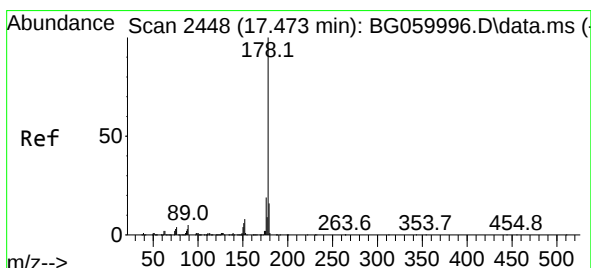
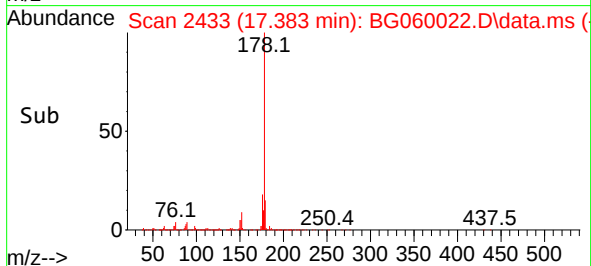
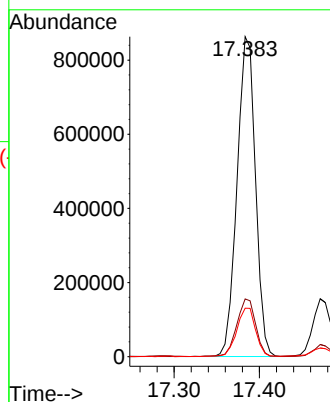
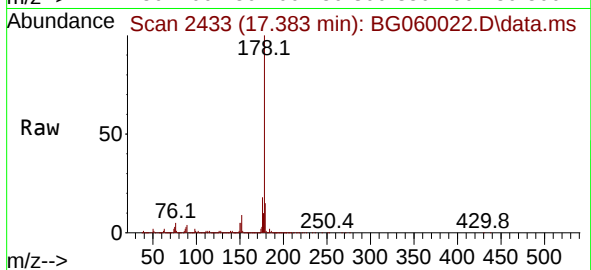
Tgt Ion:178 Resp: 1296531

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

179 15.2 12.6 19.0



#72

Anthracene

Concen: 6.180 ng

RT: 17.471 min Scan# 2448

Delta R.T. -0.002 min

Lab File: BG060022.D

Acq: 14 Dec 2023 21:44

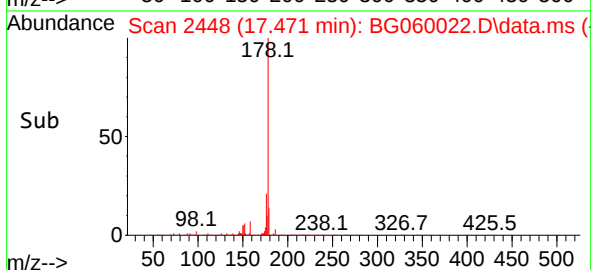
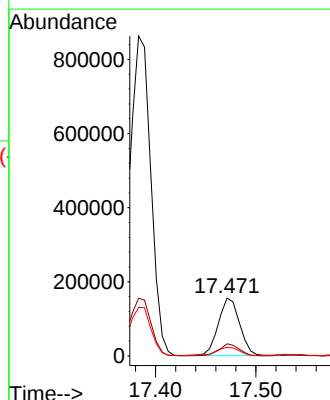
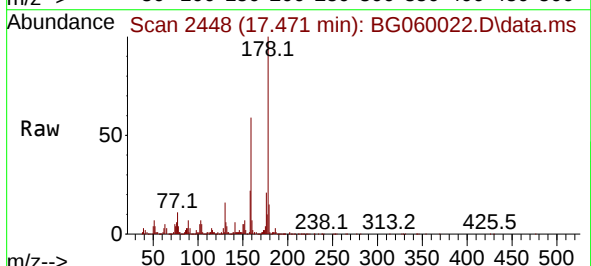
Tgt Ion:178 Resp: 229357

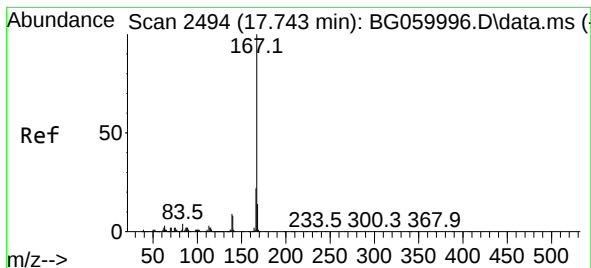
Ion Ratio Lower Upper

178 100

176 21.1 15.0 22.6

179 14.9 12.6 19.0





#73

Carbazole

Concen: 13.097 ng

RT: 17.742 min Scan# 2494

Delta R.T. -0.001 min

Lab File: BG060022.D

Acq: 14 Dec 2023 21:44

Instrument :

BNA_G

ClientSampleId :

MW-04I

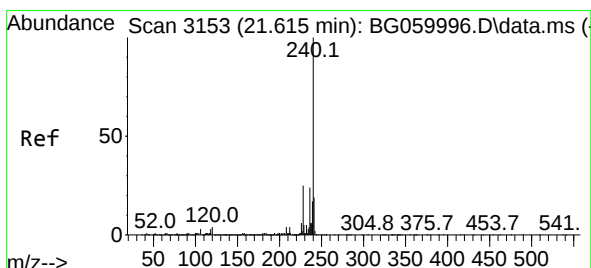
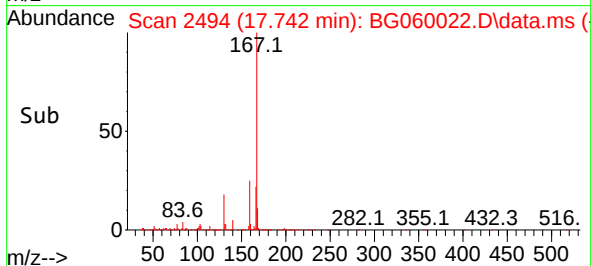
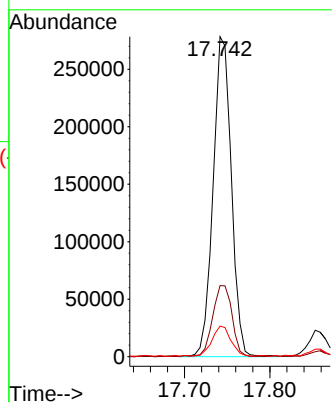
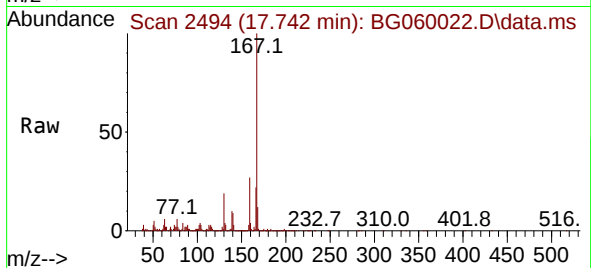
Tgt Ion:167 Resp: 413065

Ion Ratio Lower Upper

167 100

166 22.2 17.4 26.0

139 9.5 7.5 11.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.608 min Scan# 3152

Delta R.T. -0.008 min

Lab File: BG060022.D

Acq: 14 Dec 2023 21:44

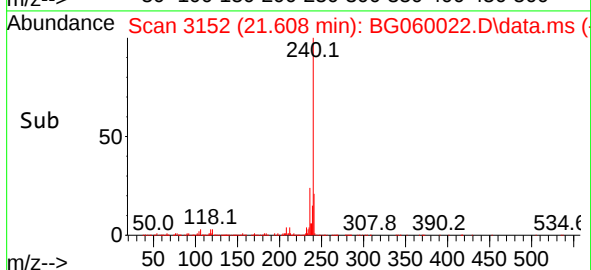
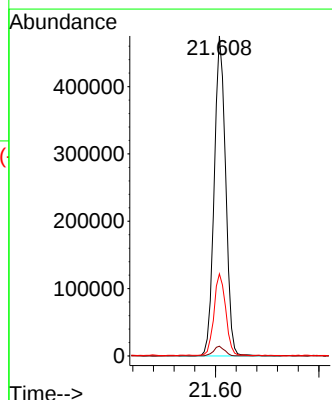
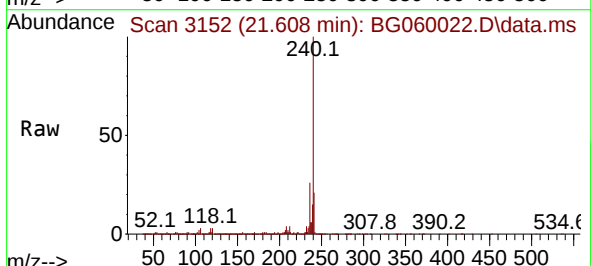
Tgt Ion:240 Resp: 728264

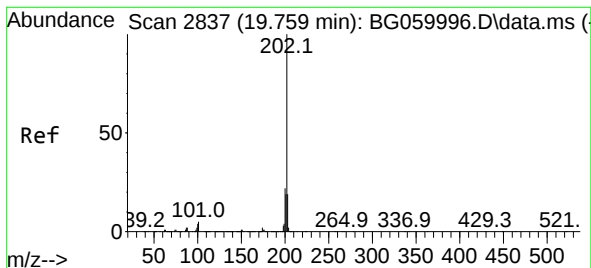
Ion Ratio Lower Upper

240 100

120 3.1 2.9 4.3

236 25.6 19.4 29.2





#78

Pyrene

Concen: 2.604 ng

RT: 19.757 min Scan# 2837

Delta R.T. -0.002 min

Lab File: BG060022.D

Acq: 14 Dec 2023 21:44

Instrument :

BNA_G

ClientSampleId :

MW-04I

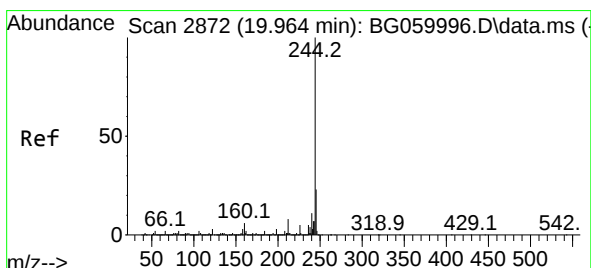
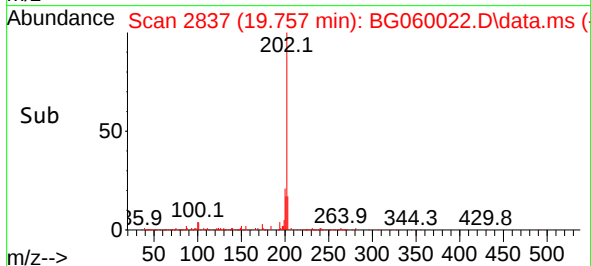
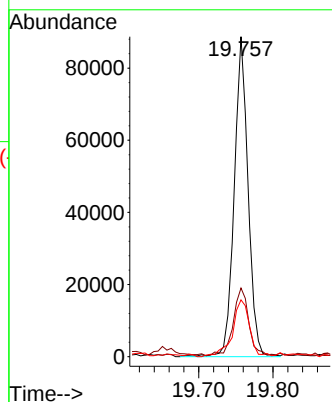
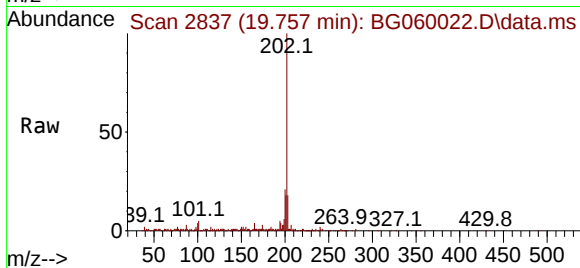
Tgt Ion:202 Resp: 114965

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

203 17.8 14.9 22.3



#79

Terphenyl-d14

Concen: 84.717 ng

RT: 19.962 min Scan# 2872

Delta R.T. -0.002 min

Lab File: BG060022.D

Acq: 14 Dec 2023 21:44

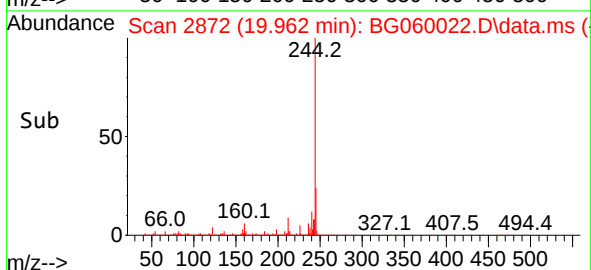
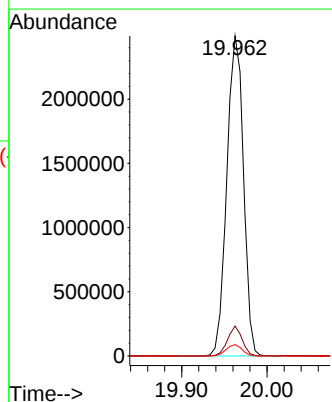
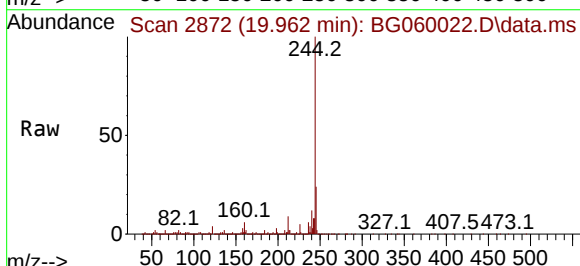
Tgt Ion:244 Resp: 3379298

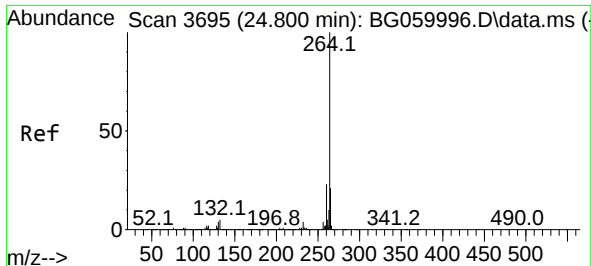
Ion Ratio Lower Upper

244 100

212 9.3 6.8 10.2

122 3.6 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: BG060022.D
Acq: 14 Dec 2023 21:44

Instrument :
BNA_G
ClientSampleId :
MW-04I

Tgt Ion:264 Resp: 873252

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	22.4	17.3	25.9

