

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
 Data File : BG060074.D
 Acq On : 18 Dec 2023 20:15
 Operator : MA/JU
 Sample : 05612-04DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-04IDL

Quant Time: Dec 19 04:41:30 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)

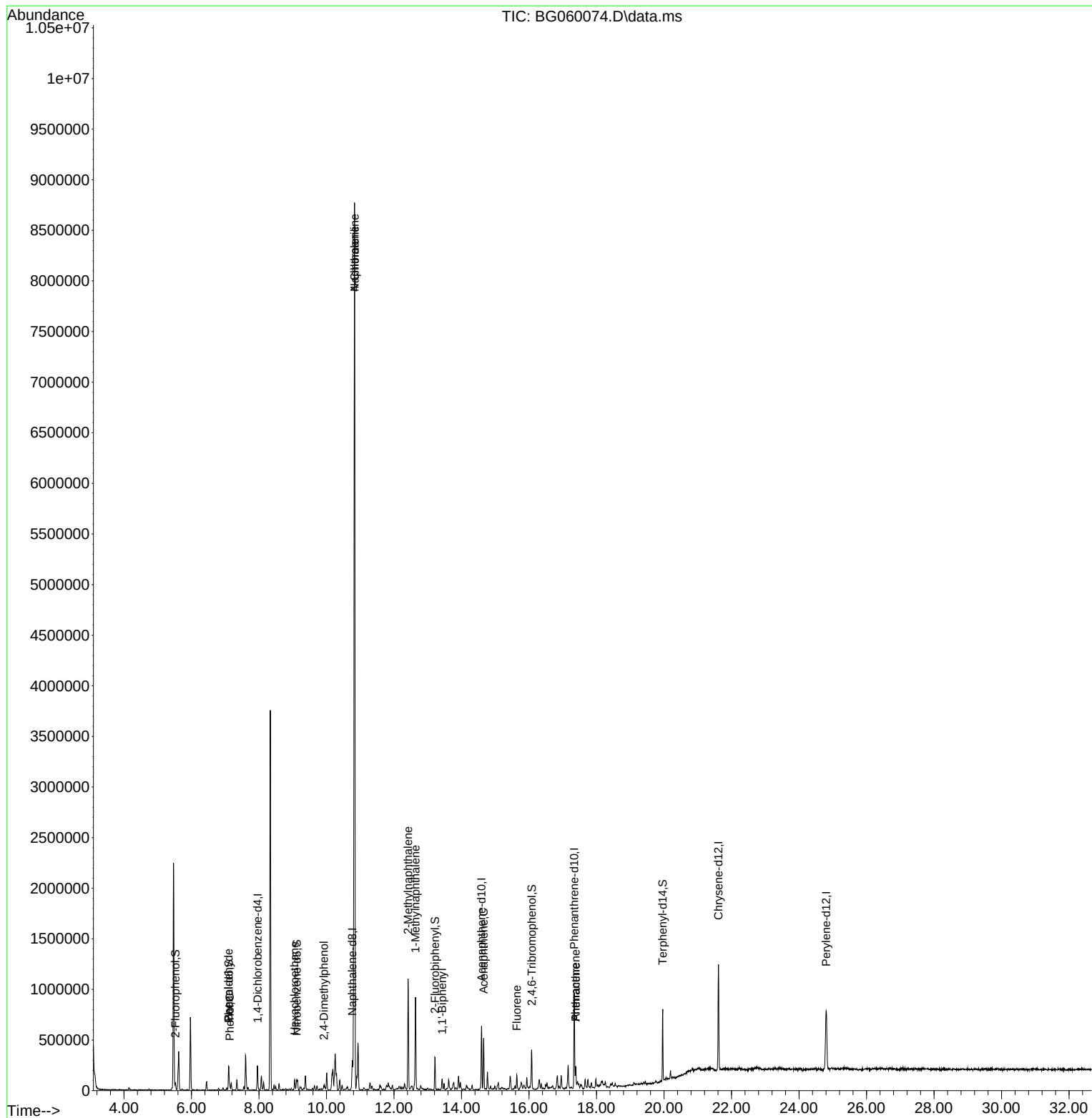
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	64208	20.000	ng	0.00
21) Naphthalene-d8	10.767	136	254217	20.000	ng	# 0.00
39) Acenaphthene-d10	14.592	164	222299	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	661589	20.000	ng	# 0.00
76) Chrysene-d12	21.613	240	693555	20.000	ng	# 0.00
86) Perylene-d12	24.803	264	767305	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	24027	6.406	ng	0.00
7) Phenol-d6	7.106	99	21489	4.073	ng	0.00
23) Nitrobenzene-d5	9.116	82	48135	8.598	ng	0.00
42) 2,4,6-Tribromophenol	16.078	330	79438	15.334	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	178263	9.815	ng	0.00
79) Terphenyl-d14	19.962	244	399086	10.506	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.101	77	16499	5.143	ng	# 1
10) Phenol	7.136	94	20030	3.779	ng	77
18) Hexachloroethane	9.057	117	7225	4.822	ng	# 1
27) 2,4-Dimethylphenol	9.927	122	13100	4.572	ng	# 84
31) Naphthalene	10.832	128	6389538	482.812	ng	# 85
33) 4-Chloroaniline	10.832	127	1051171	208.751	ng	# 33
37) 2-Methylnaphthalene	12.418	142	477845	46.037	ng	98
38) 1-Methylnaphthalene	12.635	142	390715	38.107	ng	97
46) 1,1'-Biphenyl	13.429	154	54970	3.334	ng	99
52) Acenaphthene	14.656	154	193081	14.362	ng	86
58) Fluorene	15.638	166	59914	3.247	ng	89
69) Atrazine	17.271	200	131	Below Cal		80
71) Phenanthrene	17.383	178	129367	4.037	ng	96
72) Anthracene	17.383	178	129367	4.015	ng	97

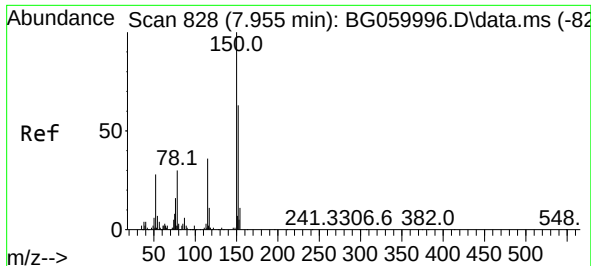
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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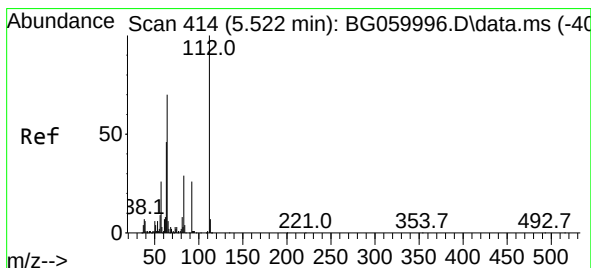
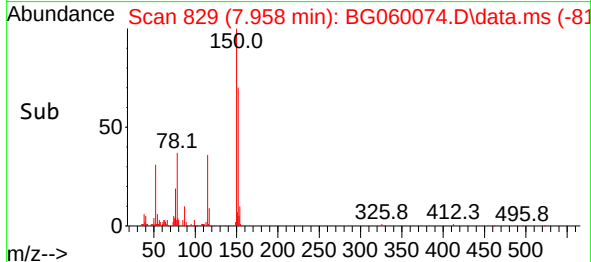
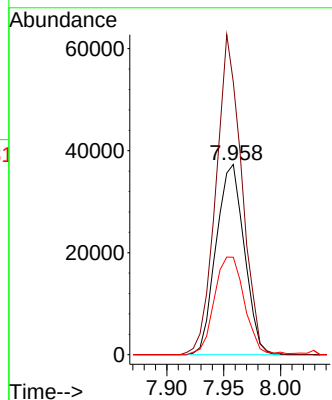
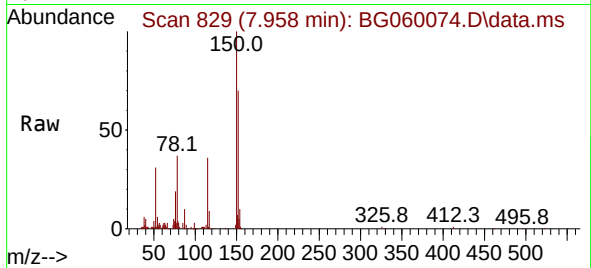




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.958 min Scan# 81
 Delta R.T. -0.001 min
 Lab File: BG060074.D
 Acq: 18 Dec 2023 20:15

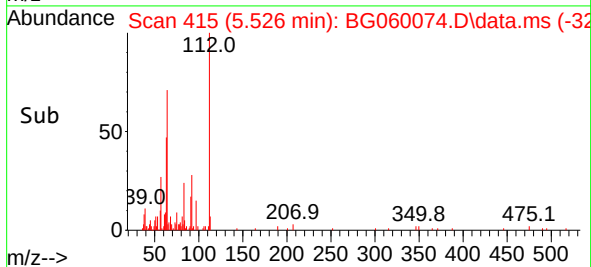
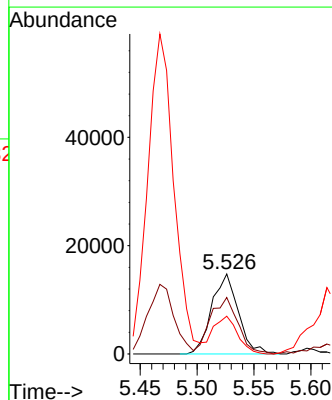
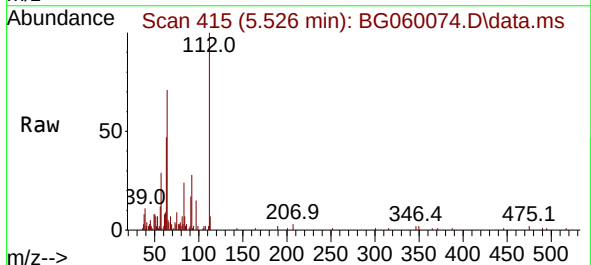
Instrument :
 BNA_G
 ClientSampleId :
 MW-04IDL

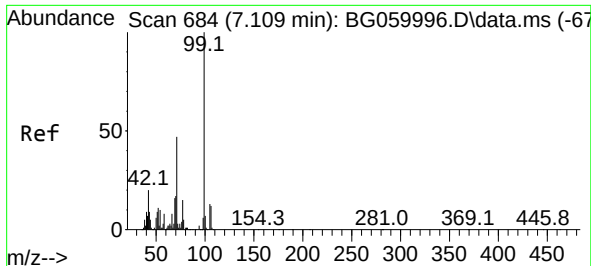
Tgt Ion:152 Resp: 64208
 Ion Ratio Lower Upper
 152 100
 150 143.2 127.0 190.6
 115 51.2 45.7 68.5



#5
 2-Fluorophenol
 Concen: 6.406 ng
 RT: 5.526 min Scan# 415
 Delta R.T. -0.000 min
 Lab File: BG060074.D
 Acq: 18 Dec 2023 20:15

Tgt Ion:112 Resp: 24027
 Ion Ratio Lower Upper
 112 100
 64 70.7 55.9 83.9
 63 47.2 36.5 54.7

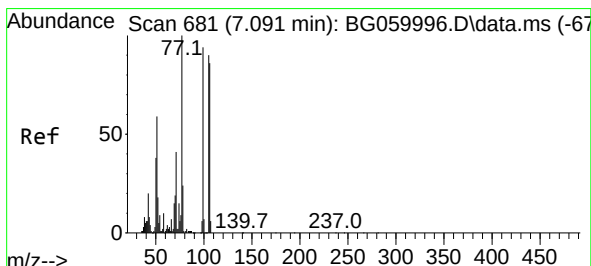
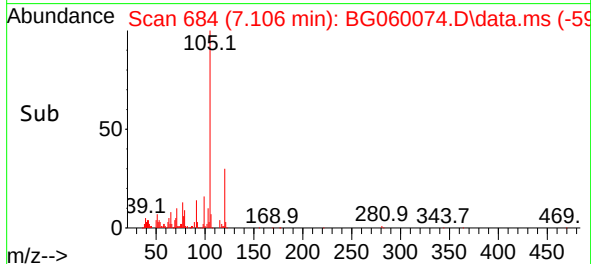
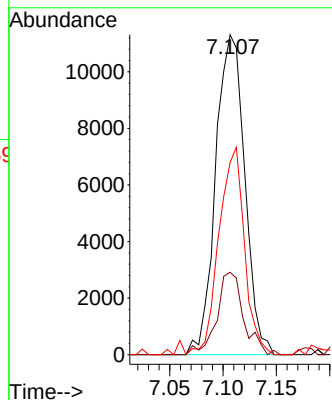
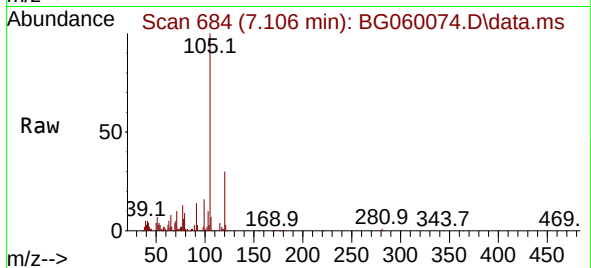




#7
Phenol-d6
Concen: 4.073 ng
RT: 7.106 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

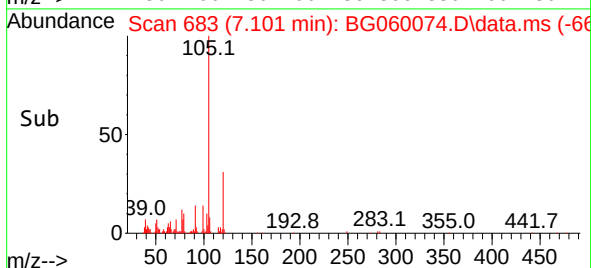
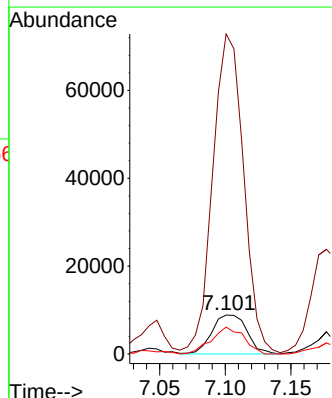
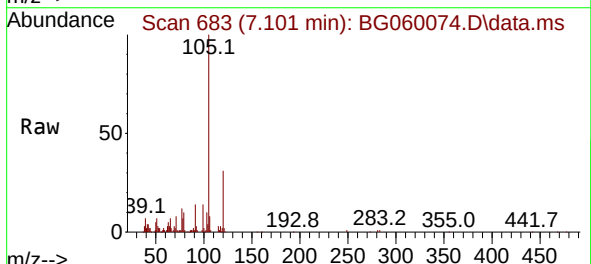
Instrument :
BNA_G
ClientSampleId :
MW-04IDL

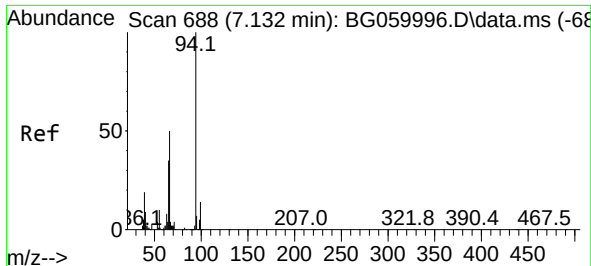
Tgt Ion: 99 Resp: 21489
Ion Ratio Lower Upper
99 100
42 25.8 16.2 24.4#
71 60.1 37.6 56.4#



#9
Benzaldehyde
Concen: 5.143 ng
RT: 7.101 min Scan# 683
Delta R.T. 0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion: 77 Resp: 16499
Ion Ratio Lower Upper
77 100
105 822.1 70.5 110.5#
106 69.0 66.0 106.0

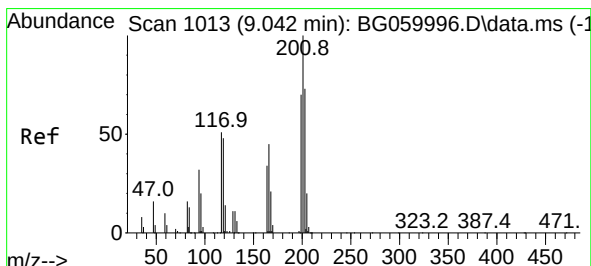
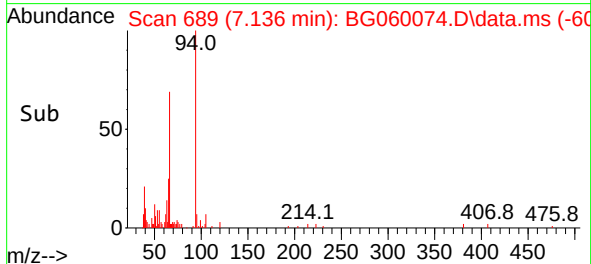
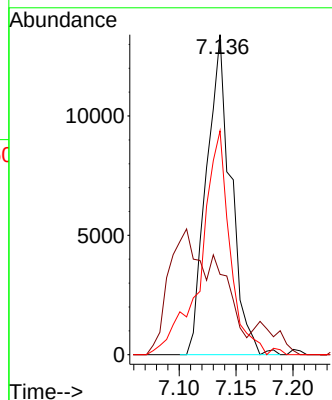
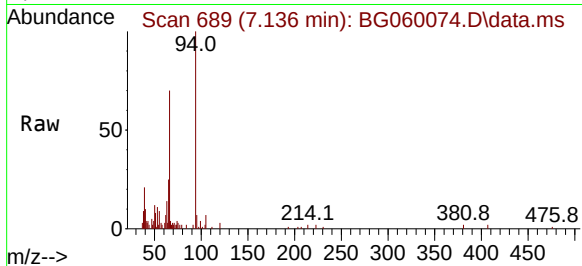




#10
Phenol
Concen: 3.779 ng
RT: 7.136 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

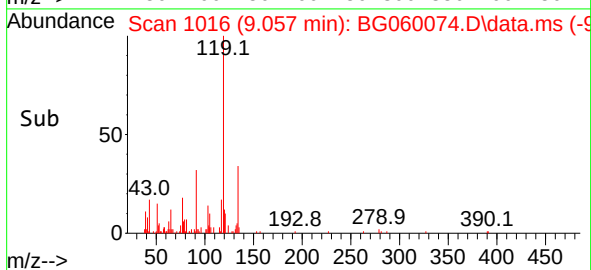
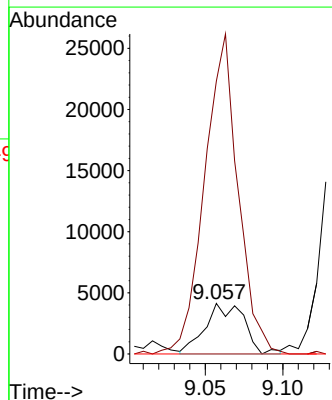
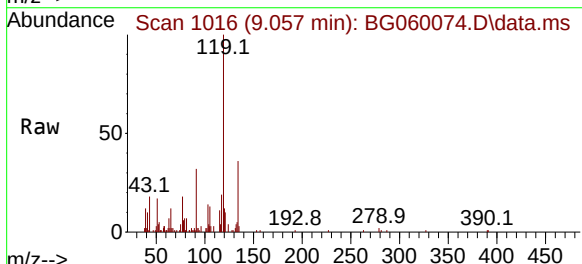
Instrument :
BNA_G
ClientSampleId :
MW-04IDL

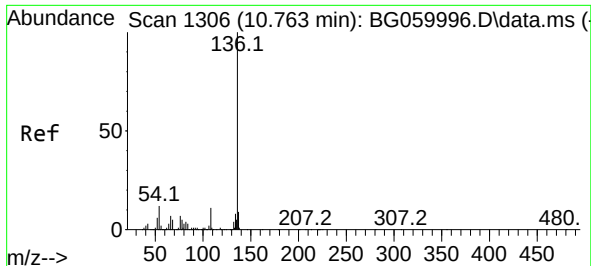
Tgt Ion: 94 Resp: 20030
Ion Ratio Lower Upper
94 100
65 25.1 15.5 55.5
66 69.9 31.6 71.6



#18
Hexachloroethane
Concen: 4.822 ng
RT: 9.057 min Scan# 1016
Delta R.T. 0.012 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion: 117 Resp: 7225
Ion Ratio Lower Upper
117 100
119 539.7 74.5 111.7#
201 0.0 156.5 234.7#

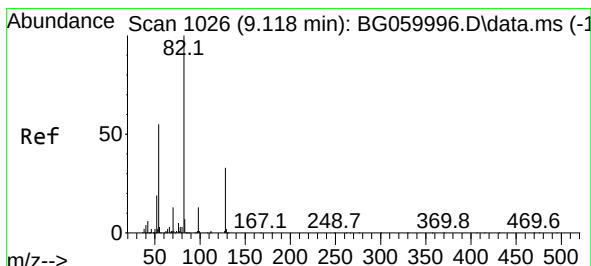
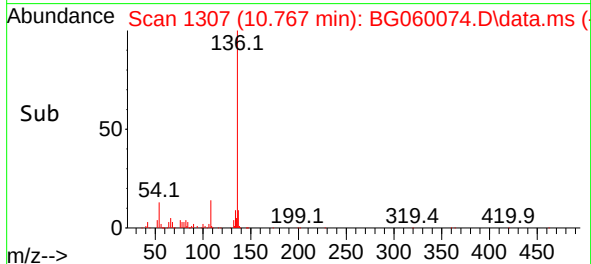
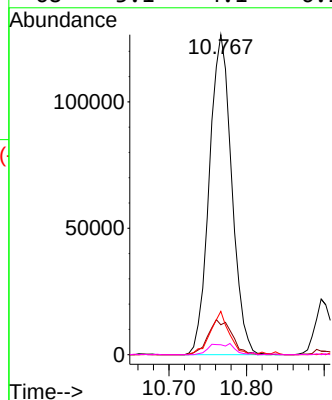
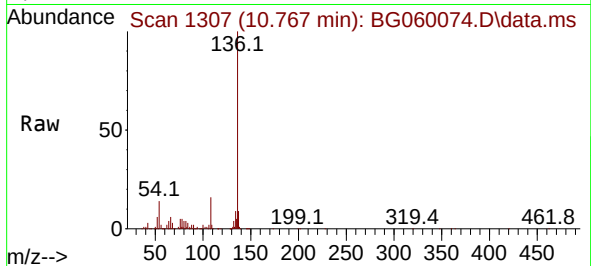




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.767 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

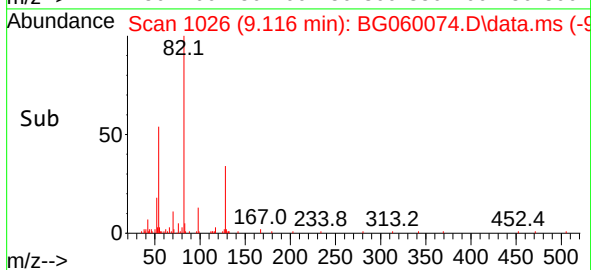
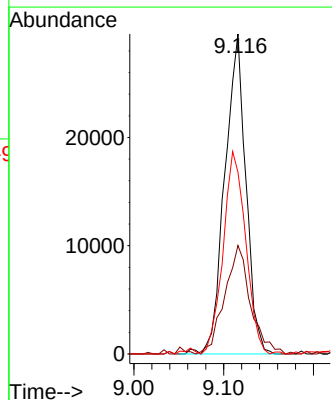
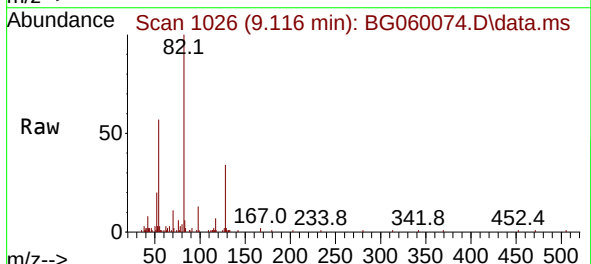
Instrument :
BNA_G
ClientSampleId :
MW-04IDL

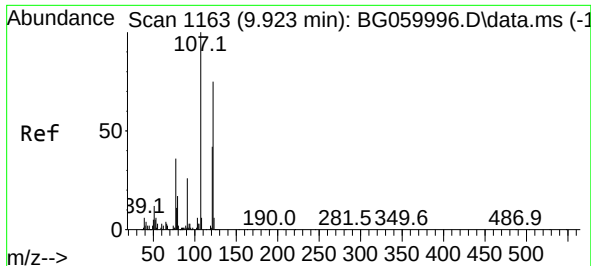
Tgt Ion:	136	Resp:	254217
Ion	Ratio	Lower	Upper
136	100		
137	9.3	7.3	10.9
54	13.6	9.6	14.4
68	3.1	4.1	6.1



#23
Nitrobenzene-d5
Concen: 8.598 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion:	82	Resp:	48135
Ion	Ratio	Lower	Upper
82	100		
128	33.9	26.3	39.5
54	56.8	44.3	66.5





#27

2,4-Dimethylphenol

Concen: 4.572 ng

RT: 9.927 min Scan# 1163

Delta R.T. -0.000 min

Lab File: BG060074.D

Acq: 18 Dec 2023 20:15

Instrument :

BNA_G

ClientSampleId :

MW-04IDL

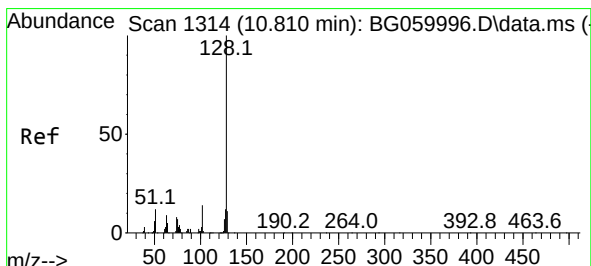
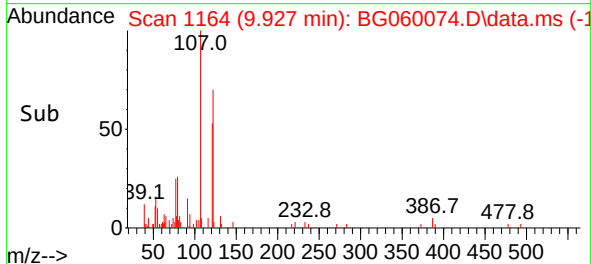
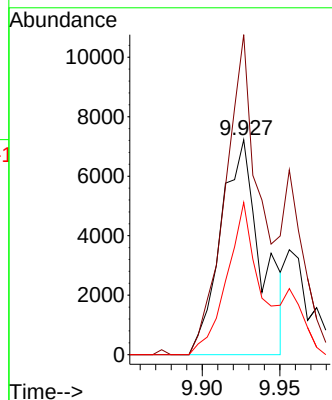
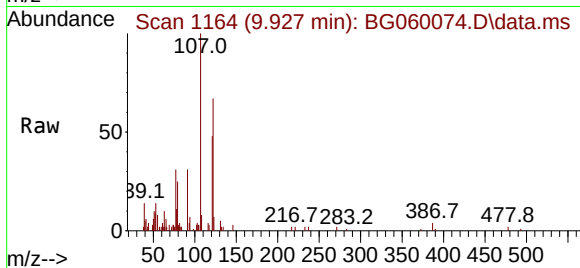
Tgt Ion:122 Resp: 13100

Ion Ratio Lower Upper

122 100

107 148.9 105.9 158.9

121 70.8 44.5 66.7#



#31

Naphthalene

Concen: 482.812 ng

RT: 10.832 min Scan# 1318

Delta R.T. 0.017 min

Lab File: BG060074.D

Acq: 18 Dec 2023 20:15

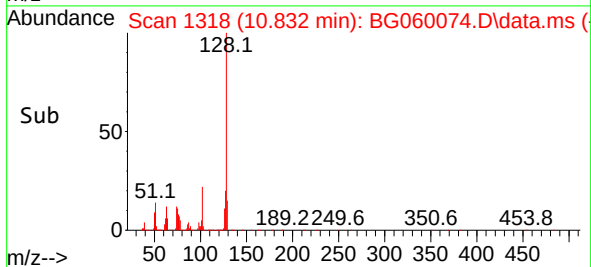
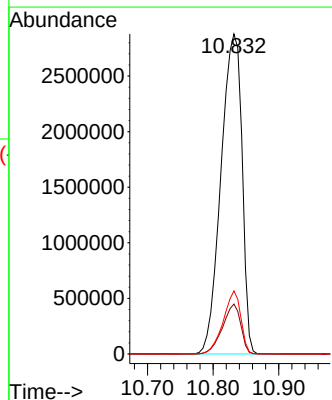
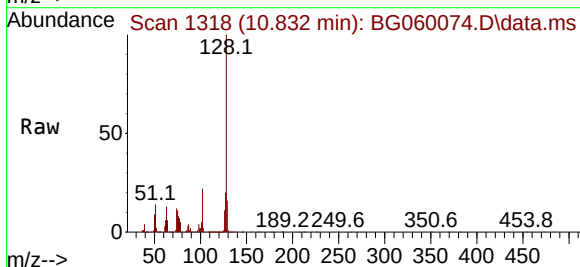
Tgt Ion:128 Resp: 6389538

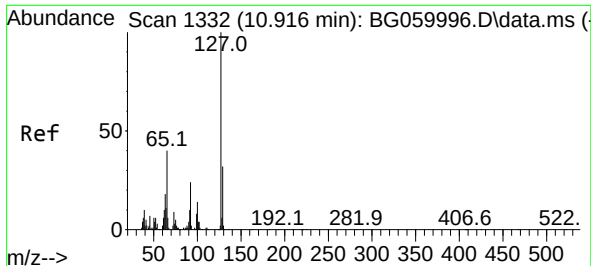
Ion Ratio Lower Upper

128 100

129 15.6 9.2 13.8#

127 19.7 9.7 14.5#



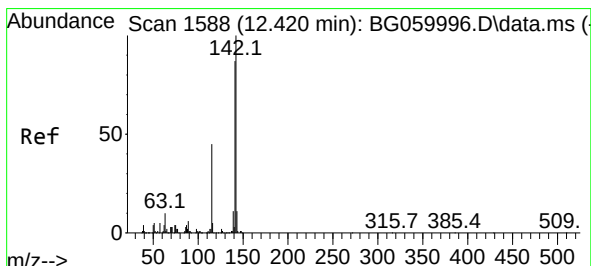
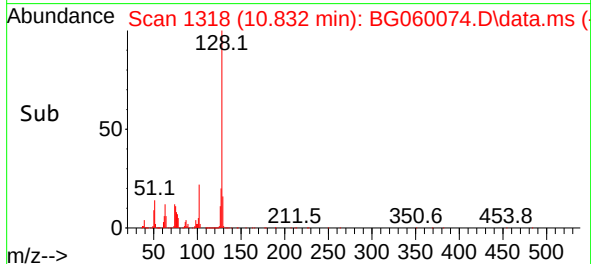
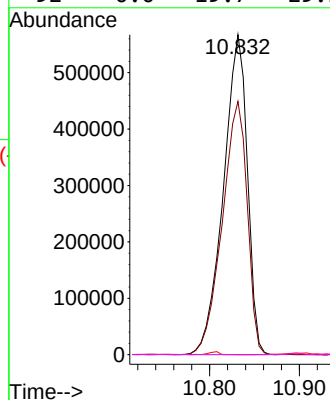
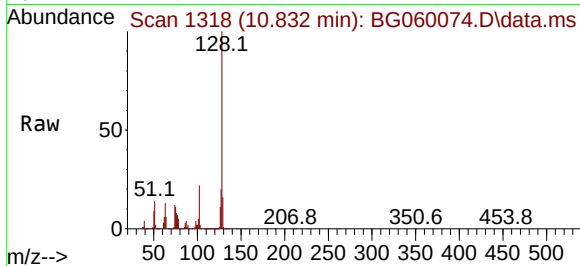


#33
4-Chloroaniline
Concen: 208.751 ng
RT: 10.832 min Scan# 11
Delta R.T. -0.082 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Instrument :
BNA_G
ClientSampleId :
MW-04IDL

Tgt Ion:127 Resp: 1051171

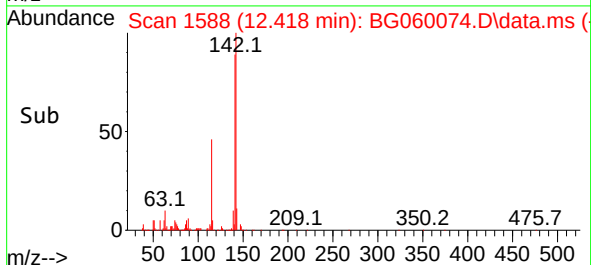
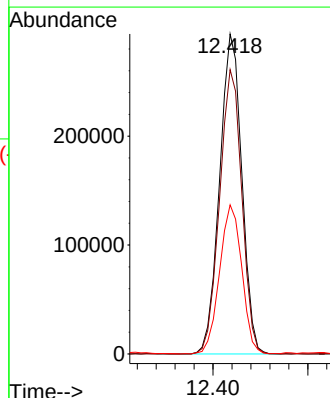
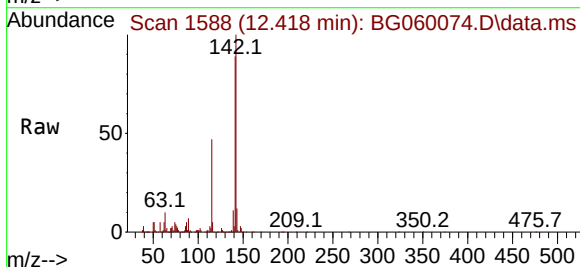
Ion	Ratio	Lower	Upper
127	100		
129	79.2	25.7	38.5#
65	0.0	32.3	48.5#
92	0.0	19.7	29.5#

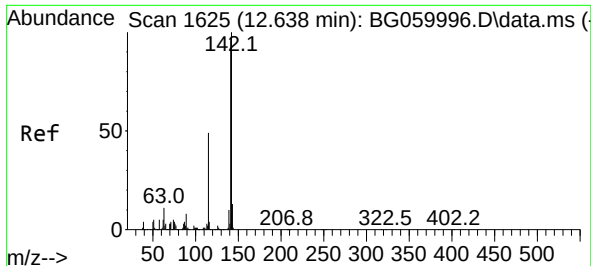


#37
2-Methylnaphthalene
Concen: 46.037 ng
RT: 12.418 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion:142 Resp: 477845

Ion	Ratio	Lower	Upper
142	100		
141	88.8	69.9	104.9
115	46.6	36.1	54.1

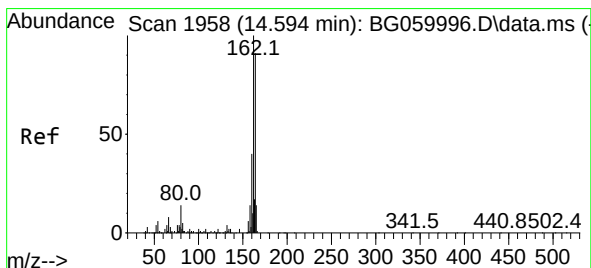
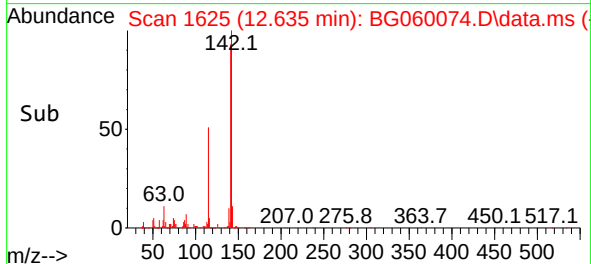
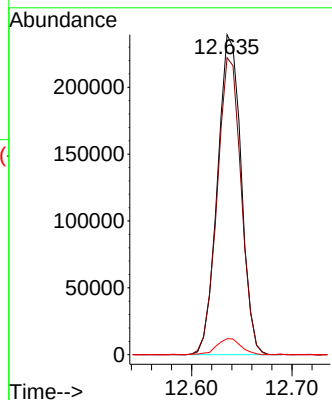
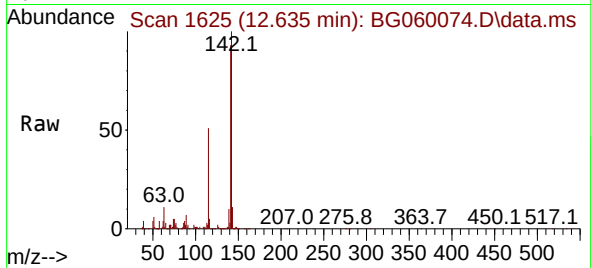




#38
1-Methylnaphthalene
Concen: 38.107 ng
RT: 12.635 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

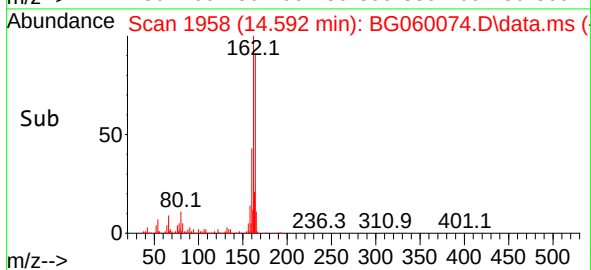
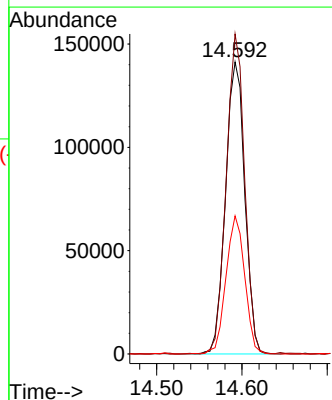
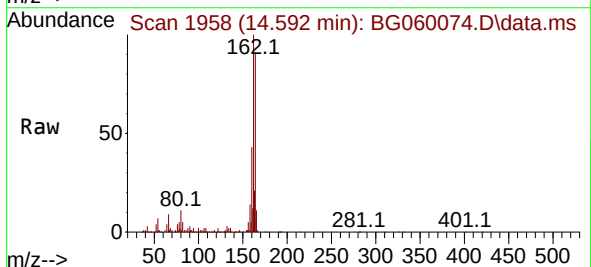
Instrument :
BNA_G
ClientSampleId :
MW-04IDL

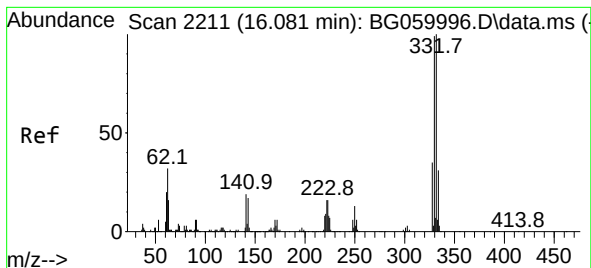
Tgt Ion:142 Resp: 390715
Ion Ratio Lower Upper
142 100
141 92.8 76.9 115.3
116 5.0 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion:164 Resp: 222299
Ion Ratio Lower Upper
164 100
162 109.6 88.1 132.1
160 47.3 35.4 53.0

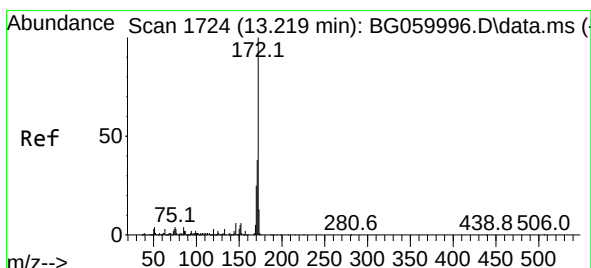
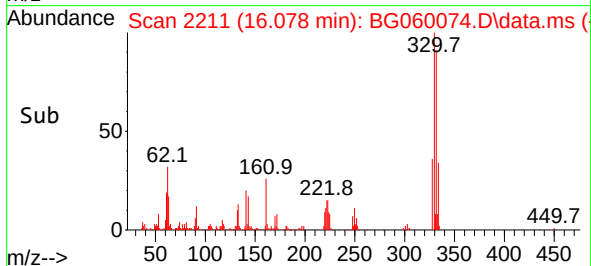
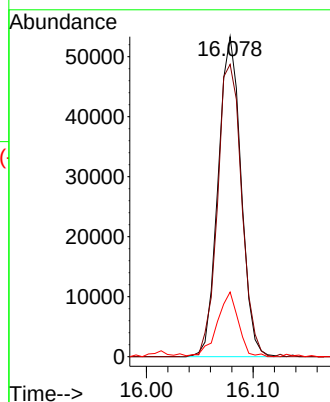
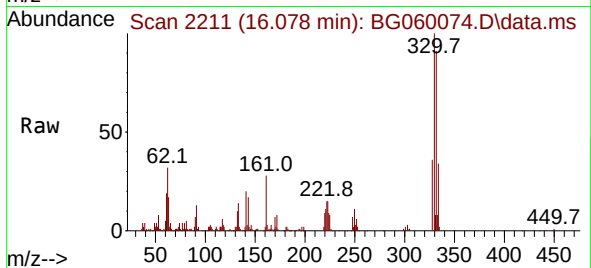




#42
2,4,6-Tribromophenol
Concen: 15.334 ng
RT: 16.078 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

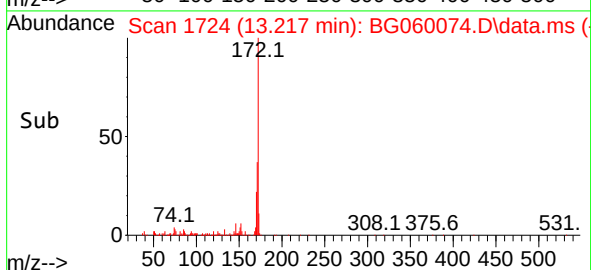
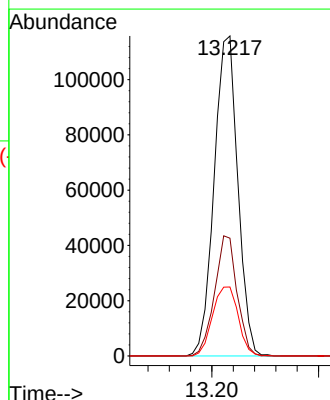
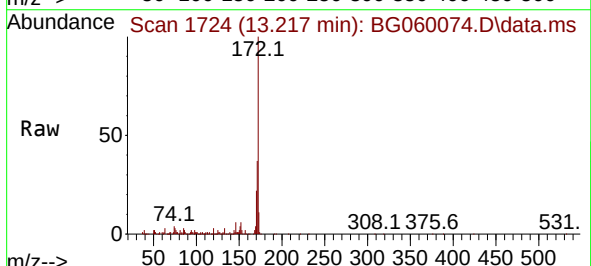
Instrument :
BNA_G
ClientSampleId :
MW-04IDL

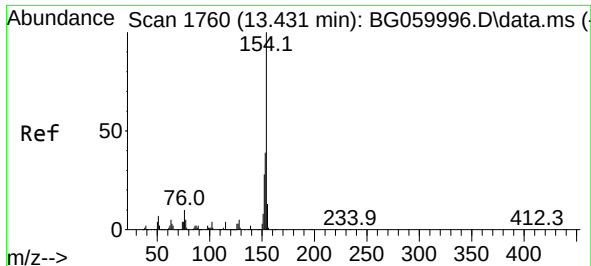
Tgt Ion:330 Resp: 79438
Ion Ratio Lower Upper
330 100
332 96.3 76.2 114.4
141 18.6 14.3 21.5



#45
2-Fluorobiphenyl
Concen: 9.815 ng
RT: 13.217 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion:172 Resp: 178263
Ion Ratio Lower Upper
172 100
171 36.8 30.1 45.1
170 21.5 20.0 30.0

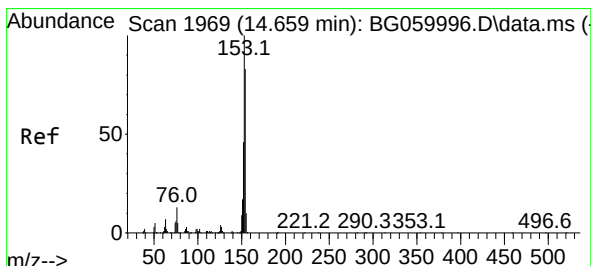
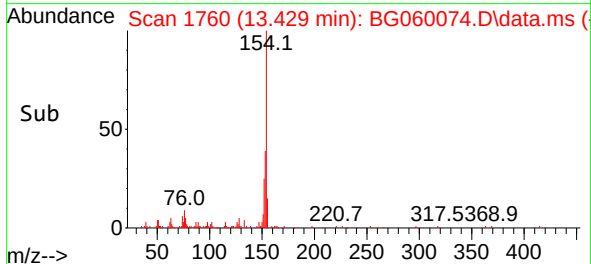
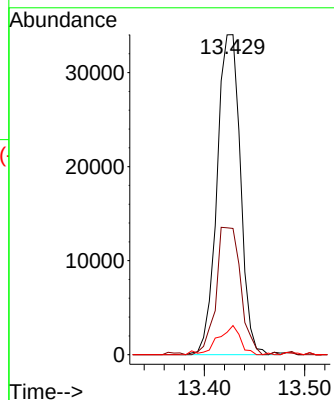
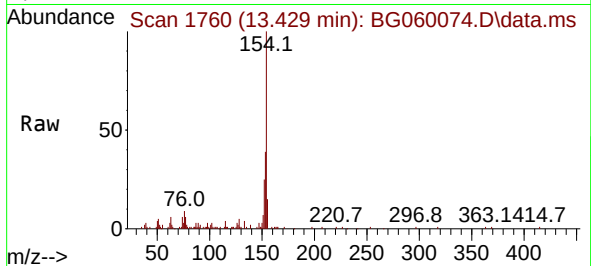




#46
1,1'-Biphenyl
Concen: 3.334 ng
RT: 13.429 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

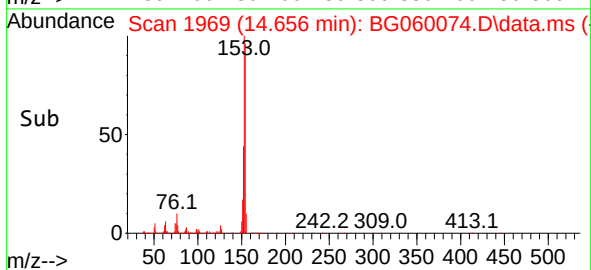
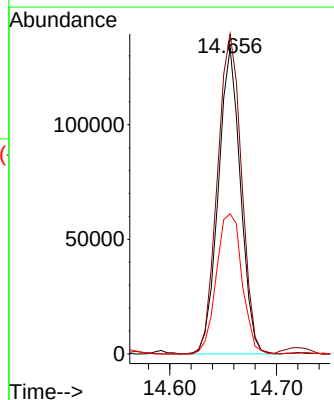
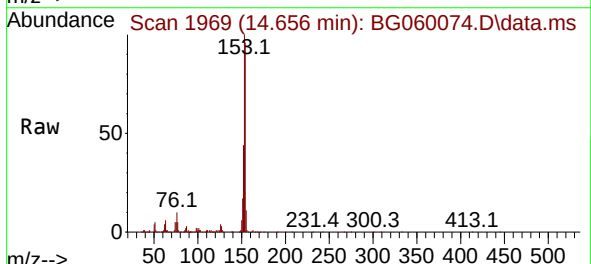
Instrument :
BNA_G
ClientSampleId :
MW-04IDL

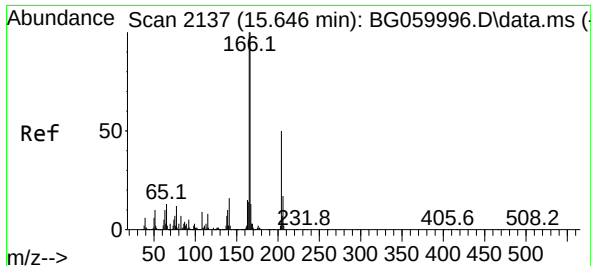
Tgt Ion:154 Resp: 54970
Ion Ratio Lower Upper
154 100
153 39.4 19.2 59.2
76 9.1 0.0 29.9



#52
Acenaphthene
Concen: 14.362 ng
RT: 14.656 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion:154 Resp: 193081
Ion Ratio Lower Upper
154 100
153 104.6 96.0 144.0
152 45.8 44.3 66.5

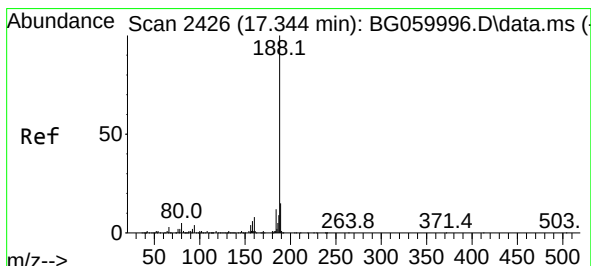
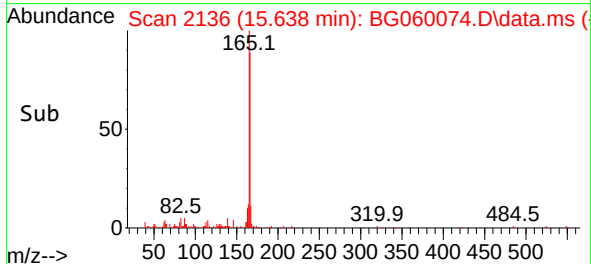
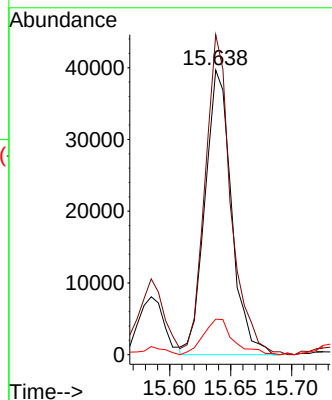
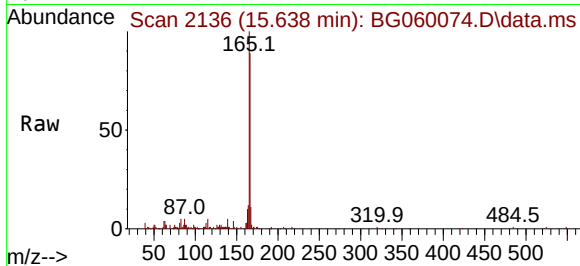




#58
 Fluorene
 Concen: 3.247 ng
 RT: 15.638 min Scan# 2136
 Delta R.T. -0.006 min
 Lab File: BG060074.D
 Acq: 18 Dec 2023 20:15

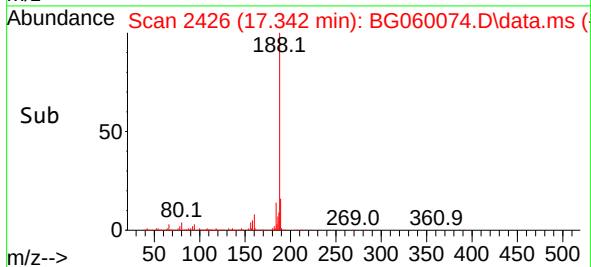
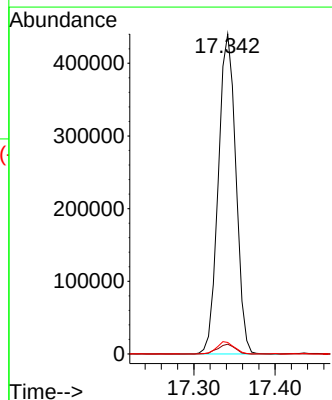
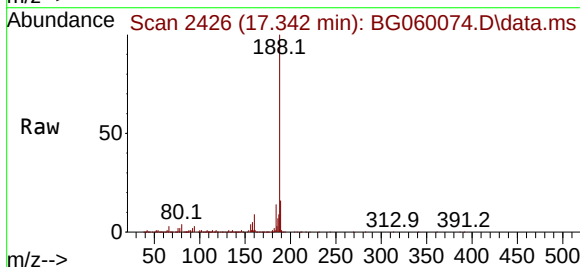
Instrument :
 BNA_G
 ClientSampleId :
 MW-04IDL

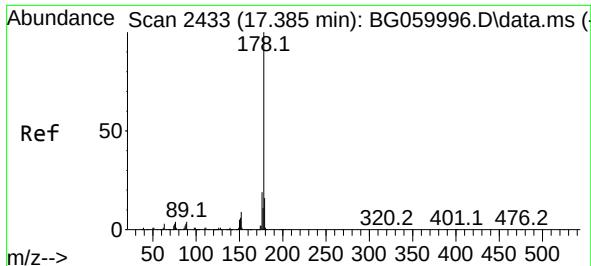
Tgt Ion:166 Resp: 59914
 Ion Ratio Lower Upper
 166 100
 165 112.4 80.2 120.2
 167 12.5 10.3 15.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.342 min Scan# 2426
 Delta R.T. -0.006 min
 Lab File: BG060074.D
 Acq: 18 Dec 2023 20:15

Tgt Ion:188 Resp: 661589
 Ion Ratio Lower Upper
 188 100
 94 3.1 3.0 4.6
 80 3.6 4.0 6.0#

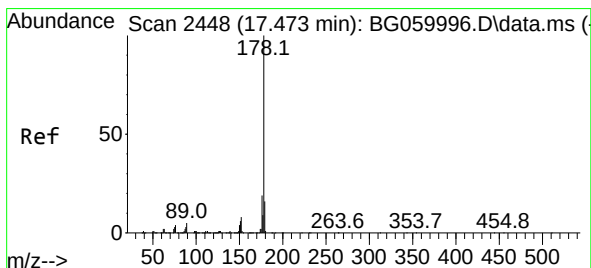
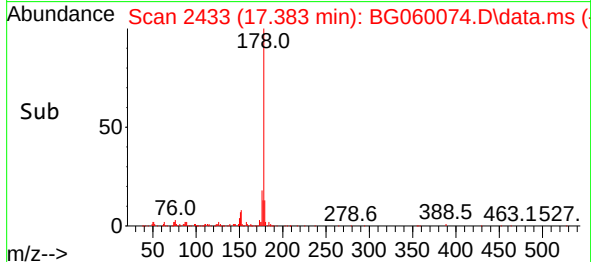
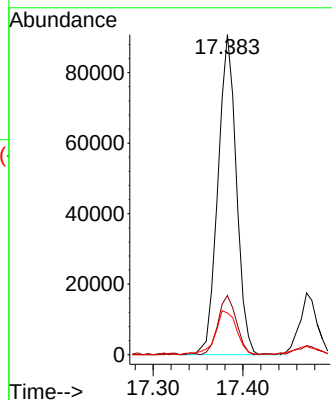
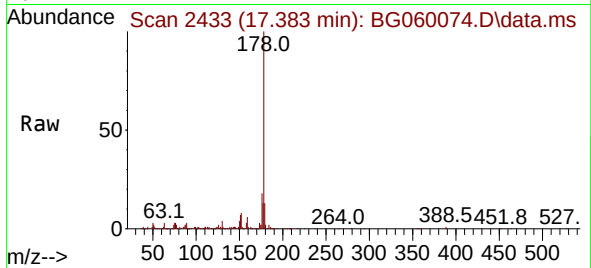




#71
Phenanthrene
Concen: 4.037 ng
RT: 17.383 min Scan# 2433
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

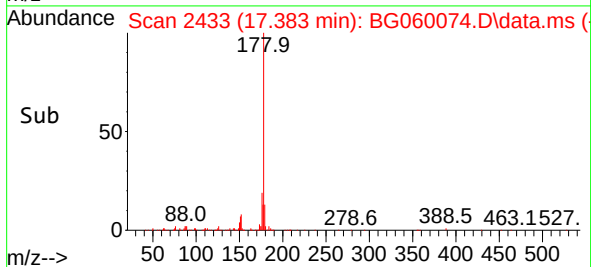
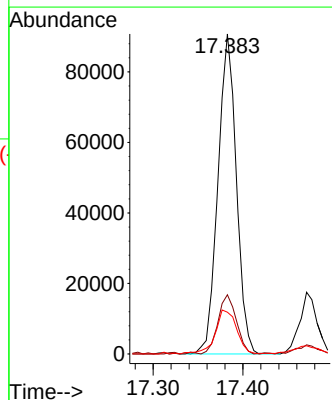
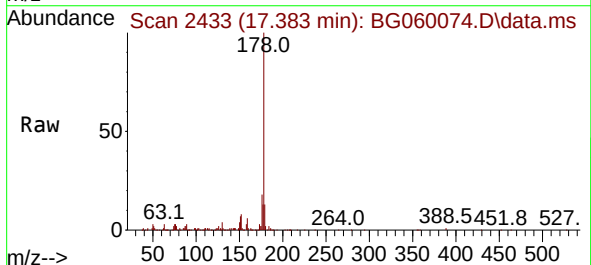
Instrument :
BNA_G
ClientSampleId :
MW-04IDL

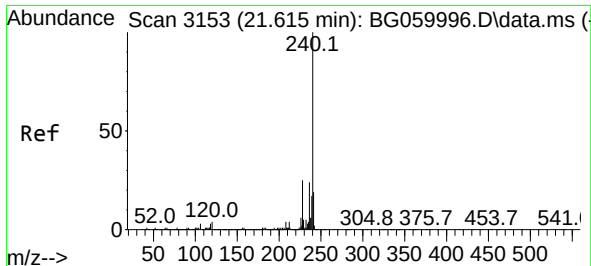
Tgt Ion:178 Resp: 129367
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 13.0 12.6 19.0



#72
Anthracene
Concen: 4.015 ng
RT: 17.383 min Scan# 2433
Delta R.T. -0.094 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion:178 Resp: 129367
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 13.0 12.6 19.0

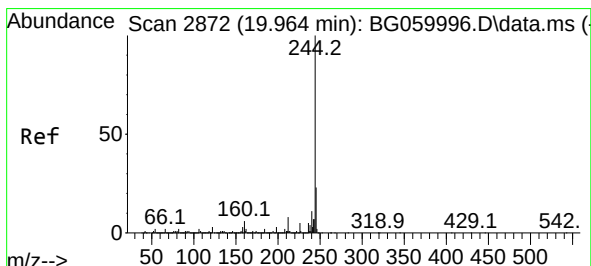
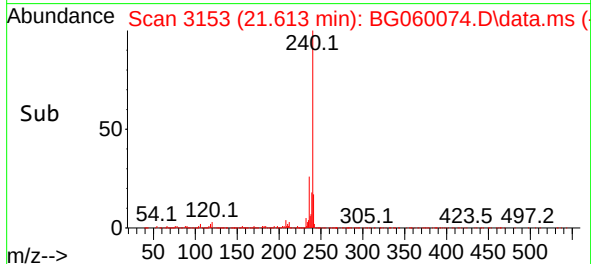
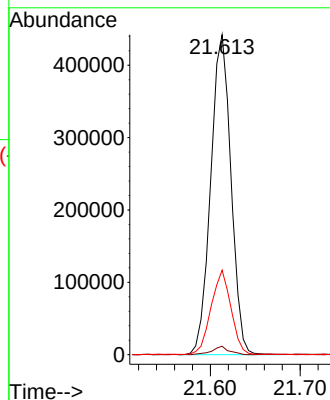
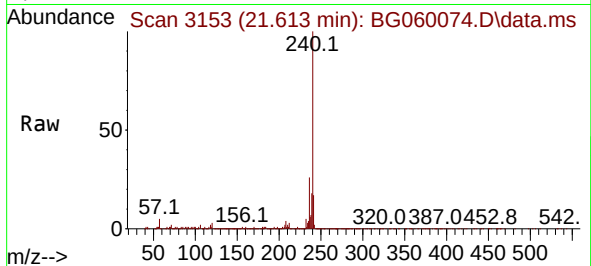




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.613 min Scan# 3153
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

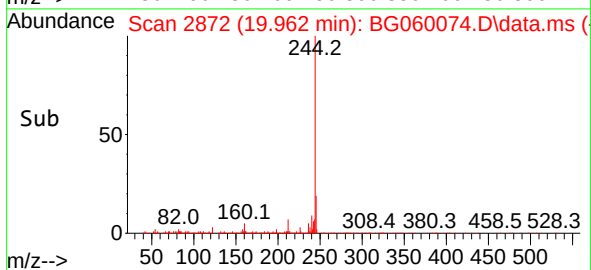
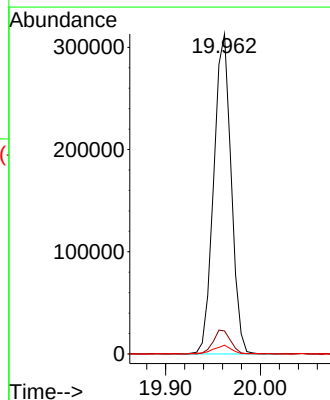
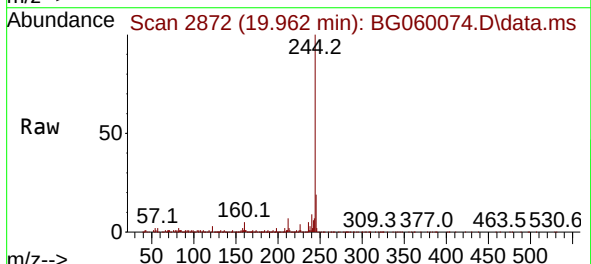
Instrument :
BNA_G
ClientSampleId :
MW-04IDL

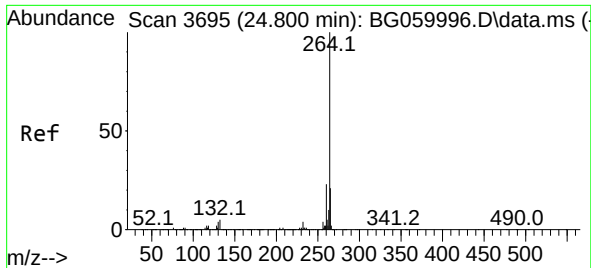
Tgt Ion:240 Resp: 693555
Ion Ratio Lower Upper
240 100
120 2.6 2.9 4.3#
236 26.4 19.4 29.2



#79
Terphenyl-d14
Concen: 10.506 ng
RT: 19.962 min Scan# 2872
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion:244 Resp: 399086
Ion Ratio Lower Upper
244 100
212 7.2 6.8 10.2
122 2.8 2.6 3.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.803 min Scan# 30
 Delta R.T. -0.012 min
 Lab File: BG060074.D
 Acq: 18 Dec 2023 20:15

Instrument :
 BNA_G
 ClientSampleId :
 MW-04IDL

Tgt Ion:264 Resp: 767305
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.5 27.7
 265 22.0 17.3 25.9

