

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
 Data File : BG060078.D
 Acq On : 18 Dec 2023 22:58
 Operator : MA/JU
 Sample : 05592-02DL2 100X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW05D-NAPLDL

Quant Time: Dec 19 04:43:09 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)

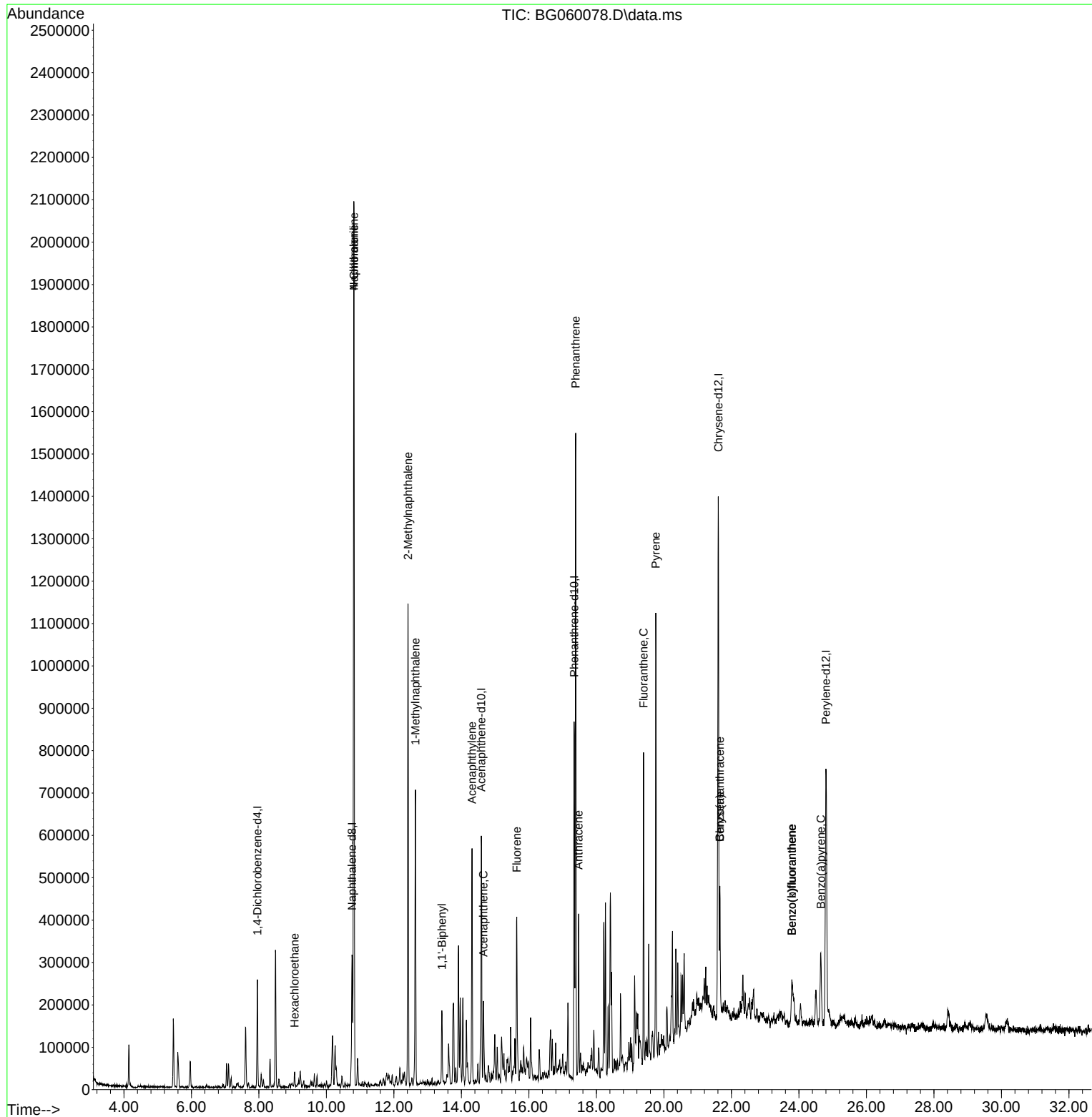
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	67110	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	249036	20.000	ng	# 0.00
39) Acenaphthene-d10	14.588	164	214406	20.000	ng	0.00
64) Phenanthrene-d10	17.338	188	610727	20.000	ng	# 0.00
76) Chrysene-d12	21.609	240	704208	20.000	ng	# 0.00
86) Perylene-d12	24.800	264	791734	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	736	0.188	ng	0.00
7) Phenol-d6	7.109	99	924	0.168	ng	0.00
23) Nitrobenzene-d5	9.124	82	334	0.061	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	334	0.067	ng	0.00
45) 2-Fluorobiphenyl	13.208	172	3019	0.172	ng	0.00
79) Terphenyl-d14	19.958	244	8482	0.220	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	9.059	117	5827	3.721	ng	# 1
31) Naphthalene	10.816	128	1571728	121.235	ng	97
33) 4-Chloroaniline	10.816	127	205718	41.703	ng	# 32
37) 2-Methylnaphthalene	12.420	142	501341	49.305	ng	98
38) 1-Methylnaphthalene	12.638	142	302328	30.100	ng	95
46) 1,1'-Biphenyl	13.425	154	81025	5.096	ng	98
49) Acenaphthylene	14.312	152	356201	18.910	ng	99
52) Acenaphthene	14.653	154	68896	5.313	ng	99
58) Fluorene	15.640	166	197771	11.113	ng	98
69) Atrazine	16.792	200	116	Below Cal		# 58
71) Phenanthrene	17.385	178	1049562	35.480	ng	98
72) Anthracene	17.473	178	276098	9.283	ng	97
75) Fluoranthene	19.394	202	478509	11.085	ng	99
78) Pyrene	19.759	202	741533	17.371	ng	99
81) Benzo(a)anthracene	21.656	228	243242	5.142	ng	97
83) Chrysene	21.656	228	243242	5.428	ng	95
88) Benzo(b)fluoranthene	23.789	252	175825	3.596	ng	# 92
89) Benzo(k)fluoranthene	23.789	252	175825	3.707	ng	# 93
90) Benzo(a)pyrene	24.647	252	222615	5.139	ng	# 96

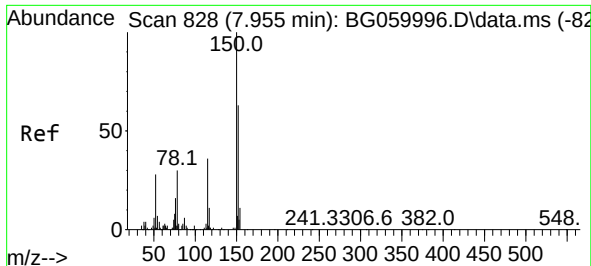
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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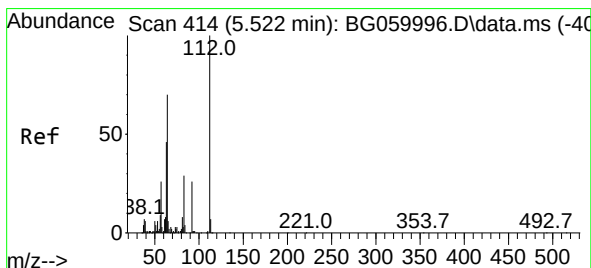
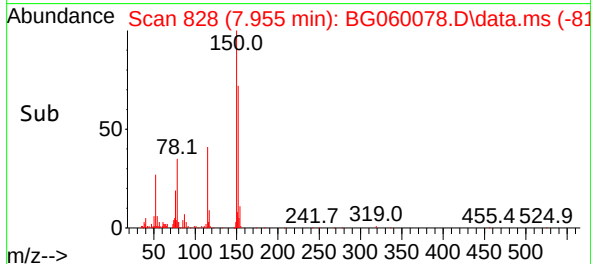
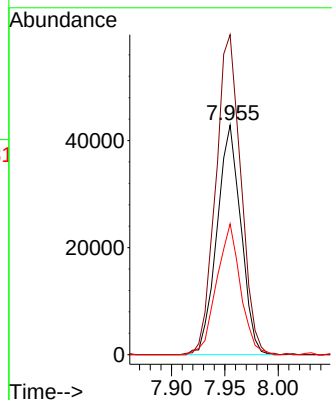
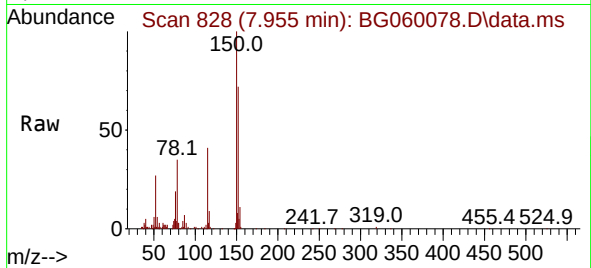




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.955 min Scan# 81
 Delta R.T. -0.004 min
 Lab File: BG060078.D
 Acq: 18 Dec 2023 22:58

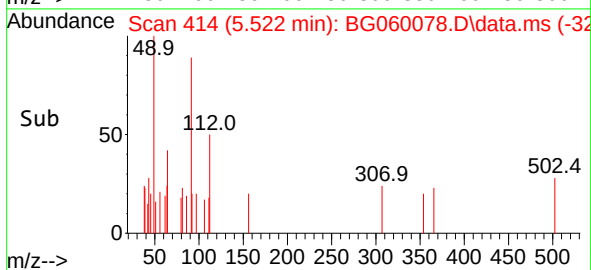
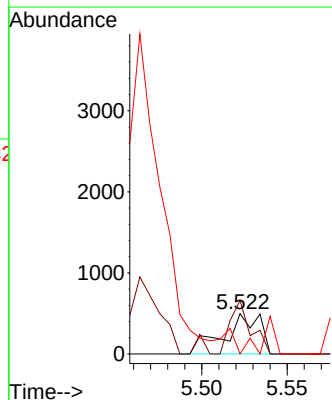
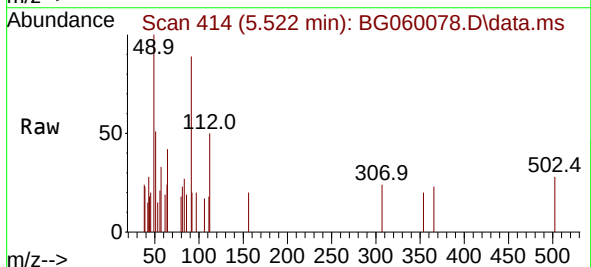
Instrument :
 BNA_G
 ClientSampleId :
 MW05D-NAPLDL

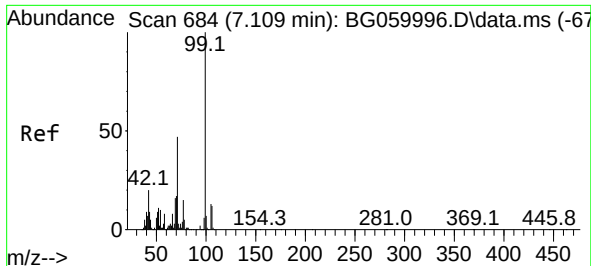
Tgt Ion:152 Resp: 67110
 Ion Ratio Lower Upper
 152 100
 150 139.4 127.0 190.6
 115 57.0 45.7 68.5



#5
 2-Fluorophenol
 Concen: 0.188 ng
 RT: 5.522 min Scan# 414
 Delta R.T. -0.004 min
 Lab File: BG060078.D
 Acq: 18 Dec 2023 22:58

Tgt Ion:112 Resp: 736
 Ion Ratio Lower Upper
 112 100
 64 132.5 55.9 83.9#
 63 48.2 36.5 54.7

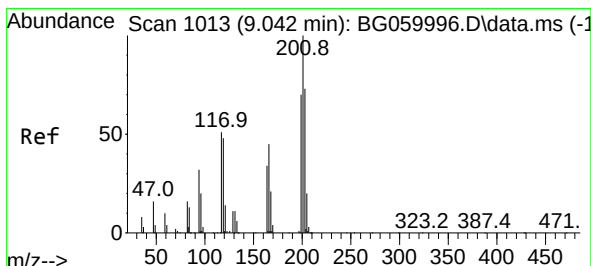
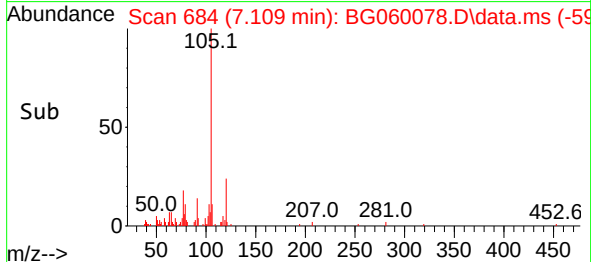
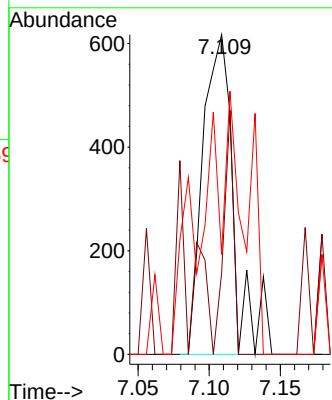
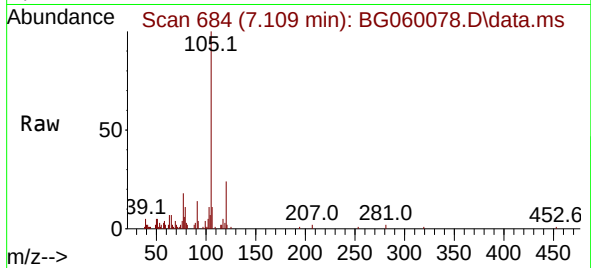




#7
Phenol-d6
Concen: 0.168 ng
RT: 7.109 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

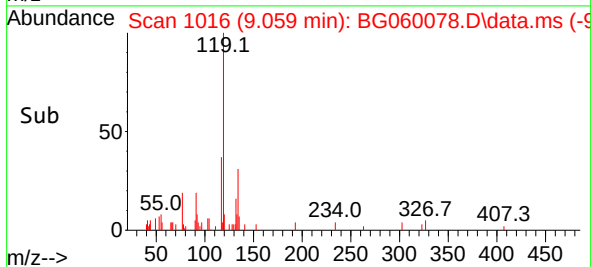
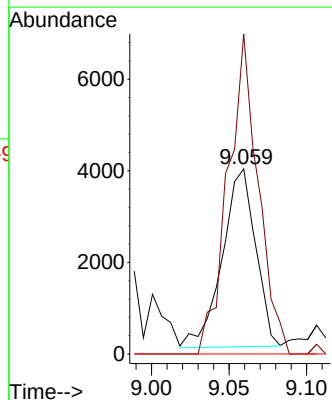
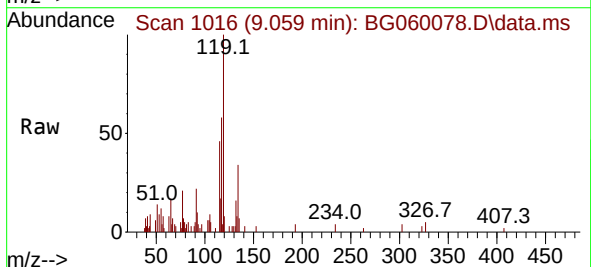
Instrument :
BNA_G
ClientSampleId :
MW05D-NAPLDL

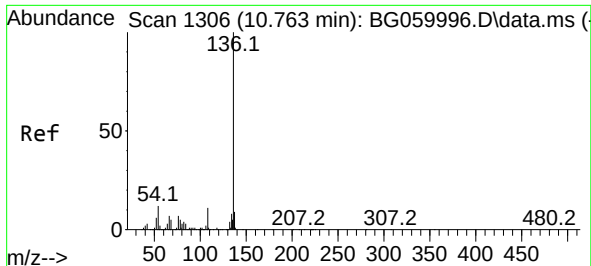
Tgt Ion: 99 Resp: 924
Ion Ratio Lower Upper
99 100
42 25.6 16.2 24.4#
71 31.3 37.6 56.4#



#18
Hexachloroethane
Concen: 3.721 ng
RT: 9.059 min Scan# 1016
Delta R.T. 0.014 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion: 117 Resp: 5827
Ion Ratio Lower Upper
117 100
119 172.9 74.5 111.7#
201 0.0 156.5 234.7#

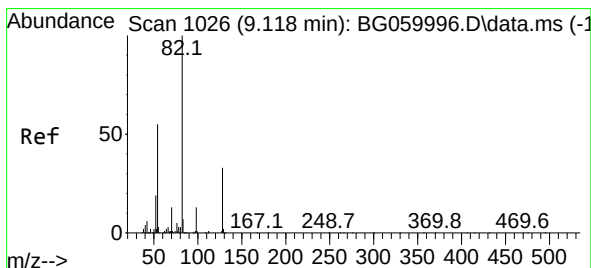
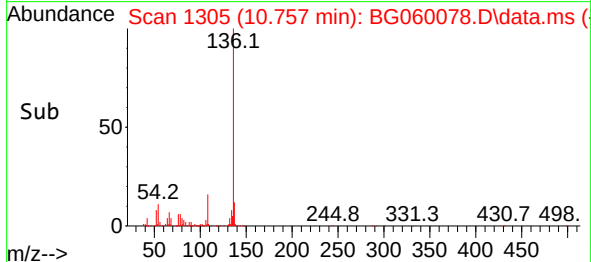
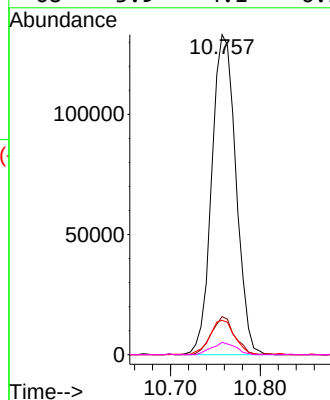
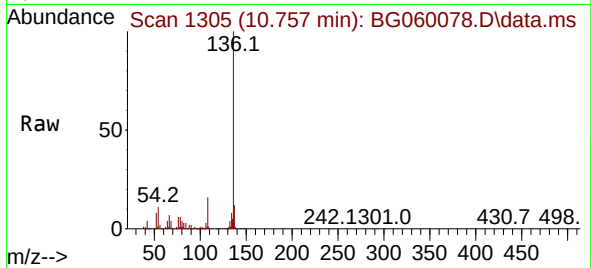




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

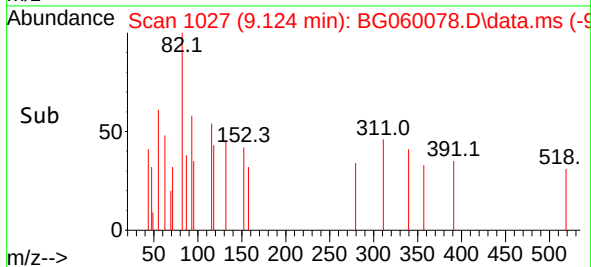
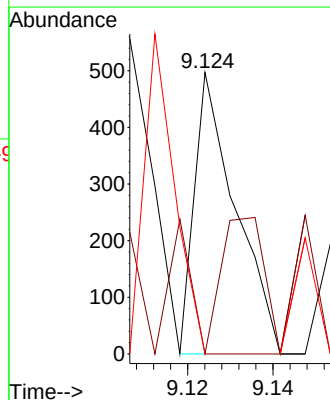
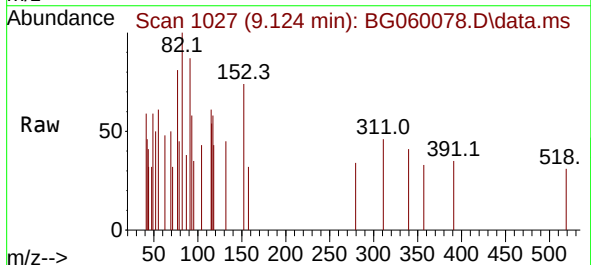
Instrument :
BNA_G
ClientSampleId :
MW05D-NAPLDL

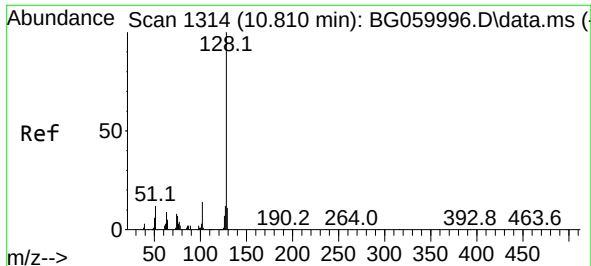
Tgt Ion:136	Resp:	249036
Ion Ratio	Lower	Upper
136	100	
137	11.9	7.3 10.9#
54	10.8	9.6 14.4
68	3.9	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 0.061 ng
RT: 9.124 min Scan# 1027
Delta R.T. 0.002 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion: 82	Resp:	334
Ion Ratio	Lower	Upper
82	100	
128	0.0	26.3 39.5#
54	0.0	44.3 66.5#

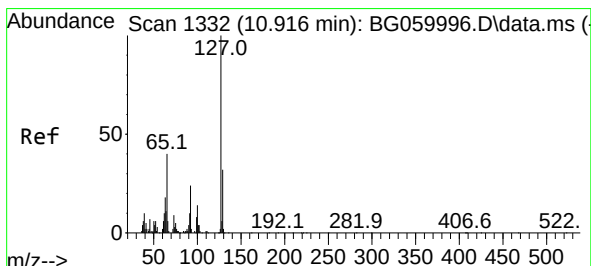
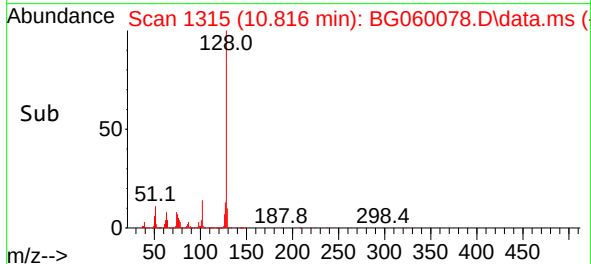
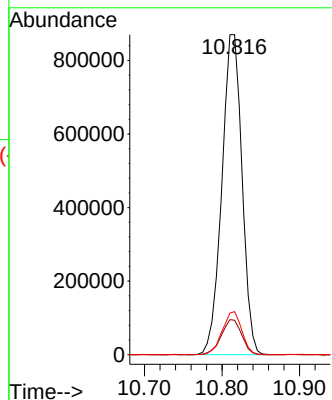
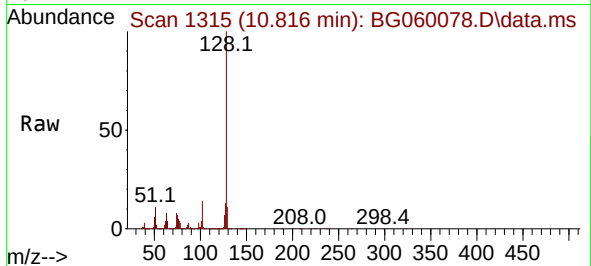




#31
Naphthalene
Concen: 121.235 ng
RT: 10.816 min Scan# 1315
Delta R.T. 0.002 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

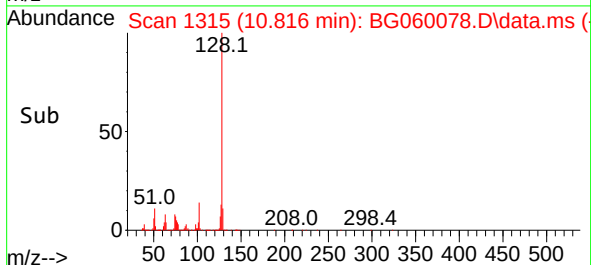
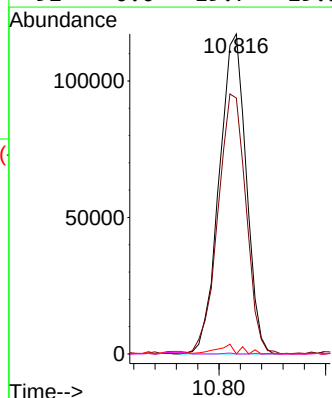
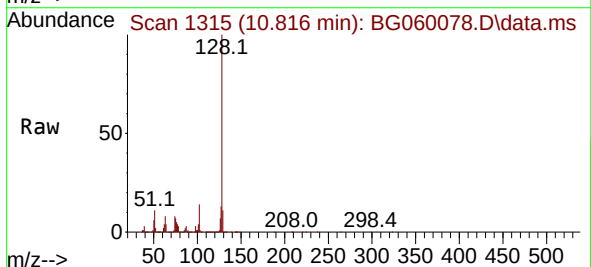
Instrument :
BNA_G
ClientSampleId :
MW05D-NAPLDL

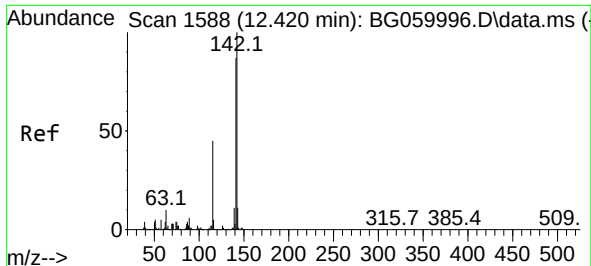
Tgt Ion:128 Resp: 1571728
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 13.5 9.7 14.5



#33
4-Chloroaniline
Concen: 41.703 ng
RT: 10.816 min Scan# 1315
Delta R.T. -0.098 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion:127 Resp: 205718
Ion Ratio Lower Upper
127 100
129 80.0 25.7 38.5#
65 0.0 32.3 48.5#
92 0.0 19.7 29.5#

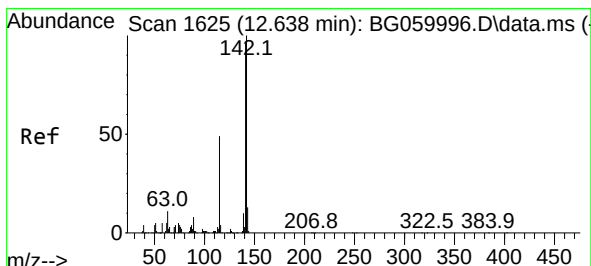
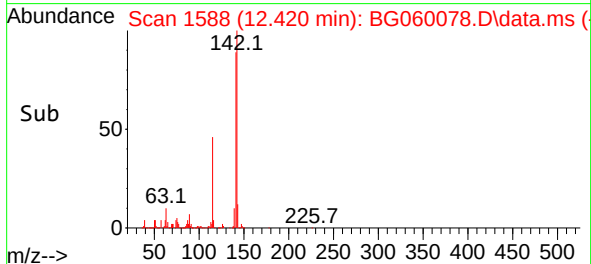
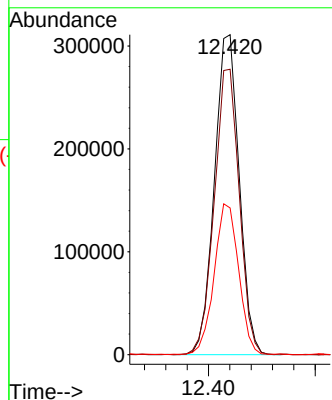
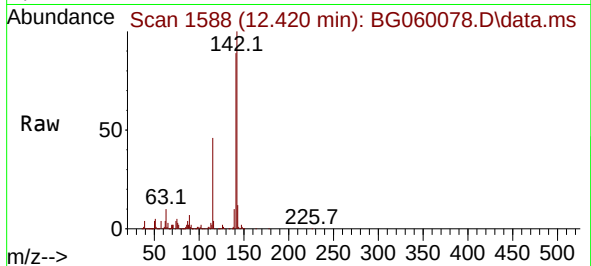




#37
2-Methylnaphthalene
Concen: 49.305 ng
RT: 12.420 min Scan# 1588
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

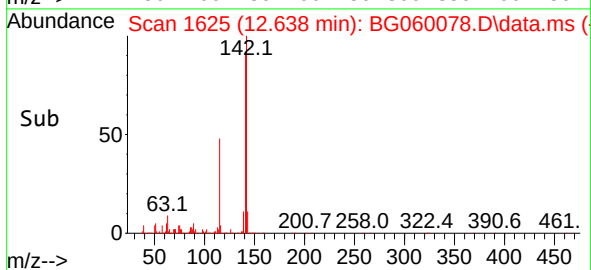
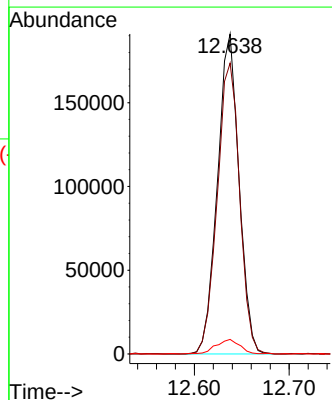
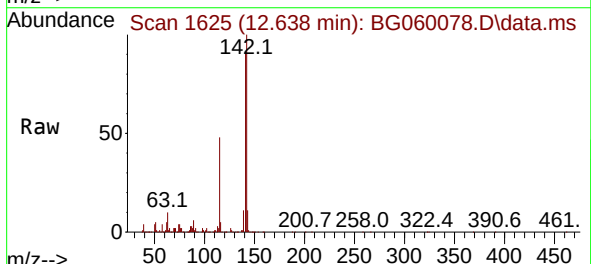
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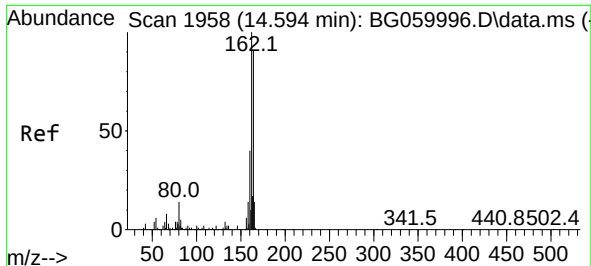
Tgt Ion:142 Resp: 501341
Ion Ratio Lower Upper
142 100
141 89.2 69.9 104.9
115 45.9 36.1 54.1



#38
1-Methylnaphthalene
Concen: 30.100 ng
RT: 12.638 min Scan# 1625
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion:142 Resp: 302328
Ion Ratio Lower Upper
142 100
141 90.9 76.9 115.3
116 4.6 3.5 5.3

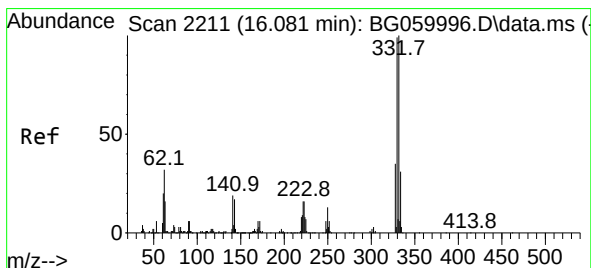
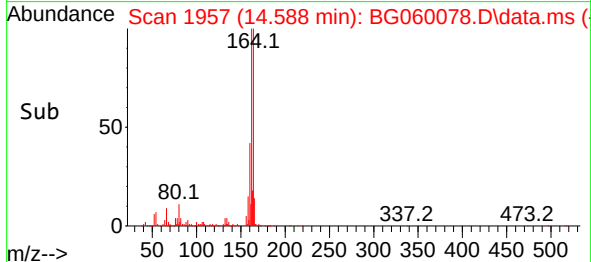
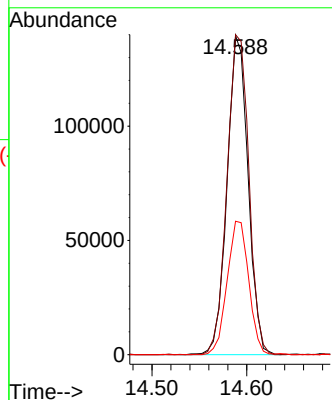
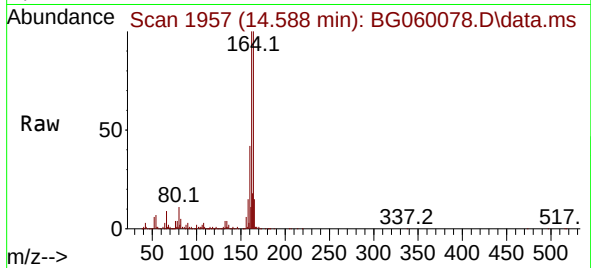




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.588 min Scan# 1957
Delta R.T. -0.010 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

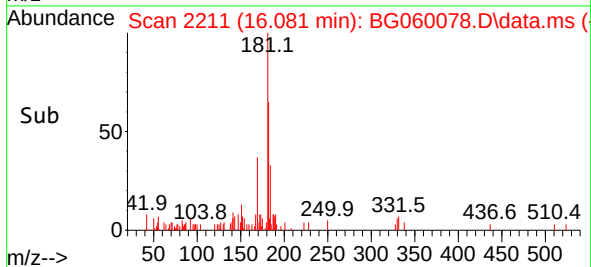
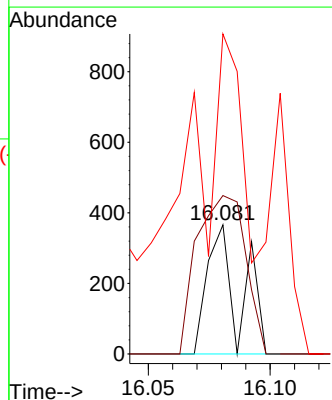
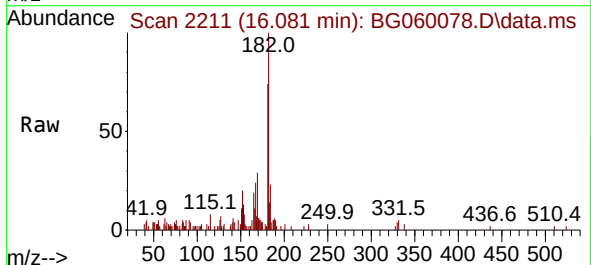
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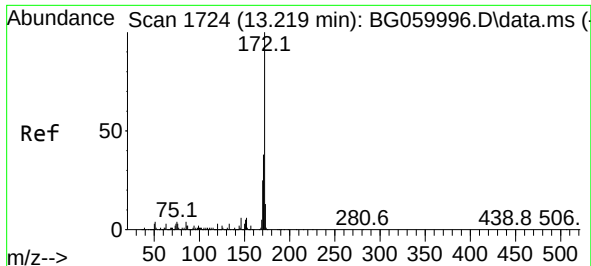
Tgt Ion:164 Resp: 214406
Ion Ratio Lower Upper
164 100
162 100.2 88.1 132.1
160 41.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 0.067 ng
RT: 16.081 min Scan# 2211
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion:330 Resp: 334
Ion Ratio Lower Upper
330 100
332 187.1 76.2 114.4#
141 376.6 14.3 21.5#

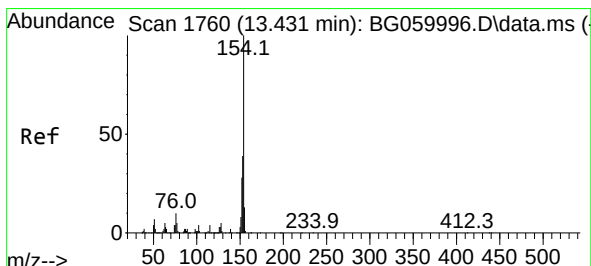
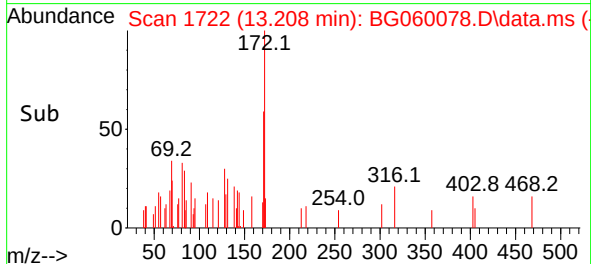
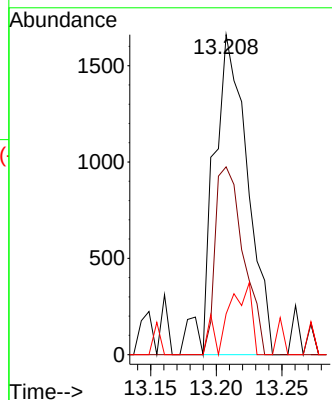
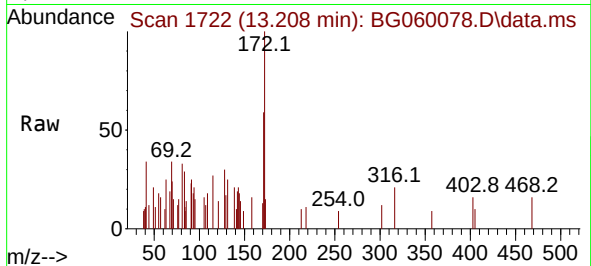




#45
2-Fluorobiphenyl
Concen: 0.172 ng
RT: 13.208 min Scan# 1722
Delta R.T. -0.010 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

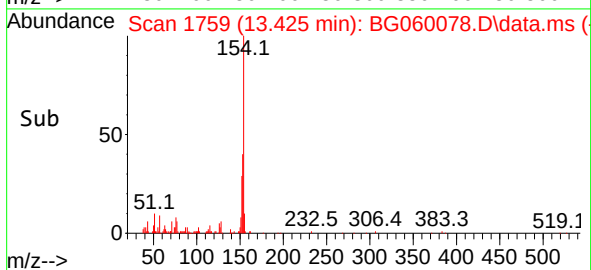
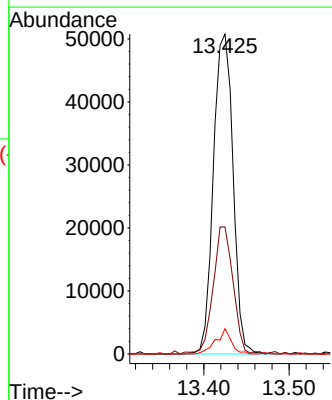
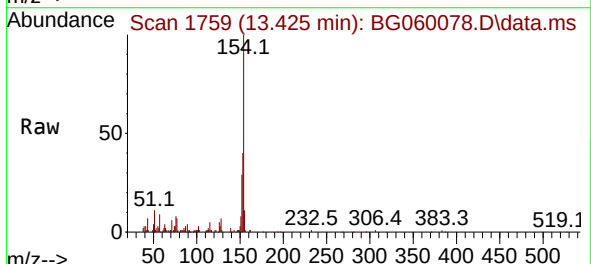
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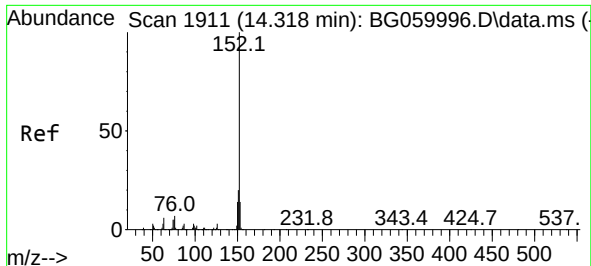
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Ion Ratio Lower Upper
172 100
171 58.7 30.1 45.1#
170 12.8 20.0 30.0#



#46
1,1'-Biphenyl
Concen: 5.096 ng
RT: 13.425 min Scan# 1759
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion:154 Resp: 81025
Ion Ratio Lower Upper
154 100
153 39.7 19.2 59.2
76 7.9 0.0 29.9

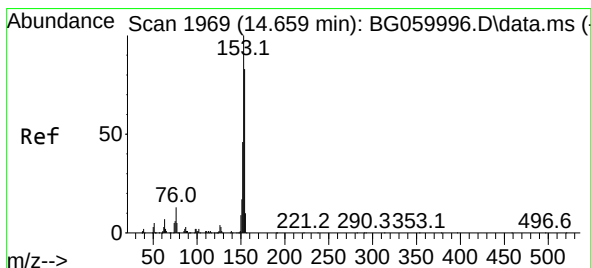
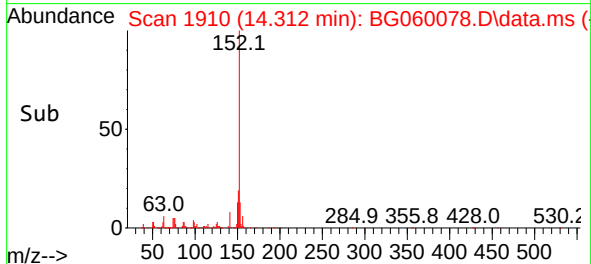
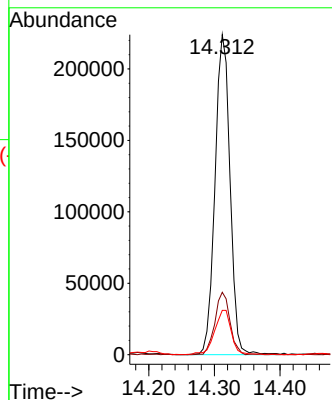
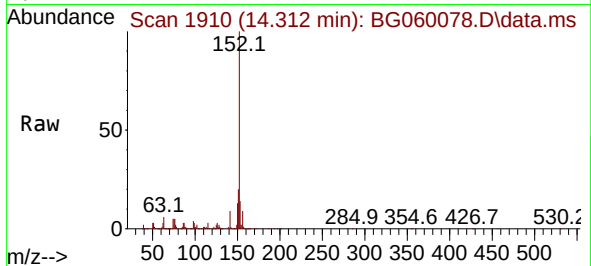




#49
Acenaphthylene
Concen: 18.910 ng
RT: 14.312 min Scan# 1911
Delta R.T. -0.010 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

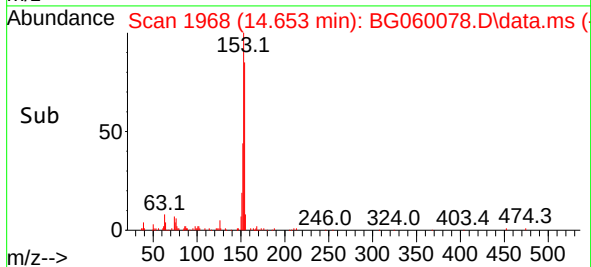
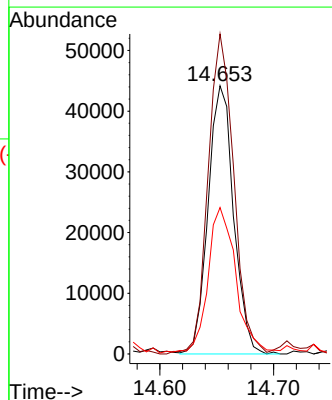
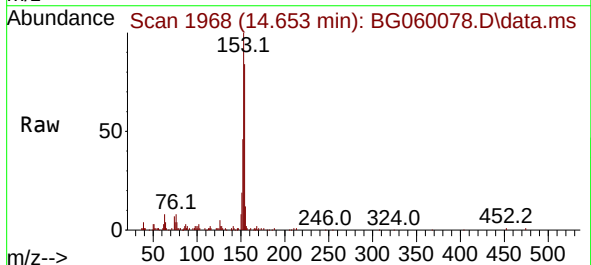
Instrument :
BNA_G
ClientSampleId :
MW05D-NAPLDL

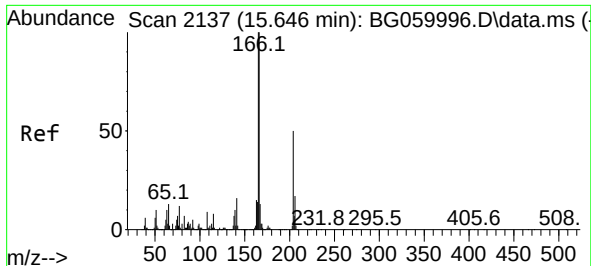
Tgt Ion:152 Resp: 356201
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 13.8 11.0 16.4



#52
Acenaphthene
Concen: 5.313 ng
RT: 14.653 min Scan# 1968
Delta R.T. -0.010 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion:154 Resp: 68896
Ion Ratio Lower Upper
154 100
153 119.3 96.0 144.0
152 54.6 44.3 66.5

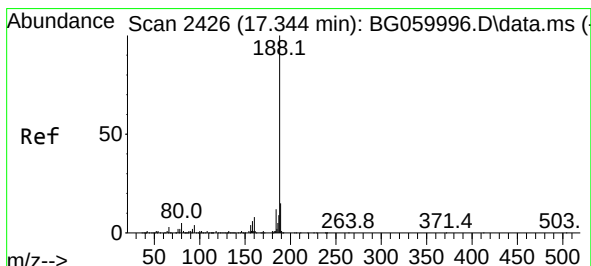
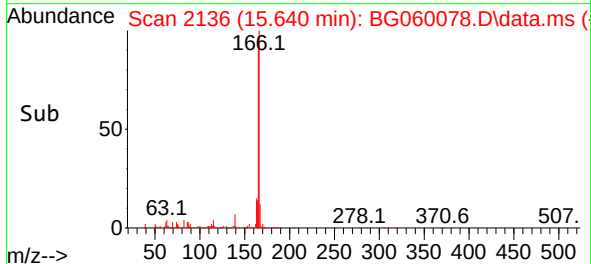
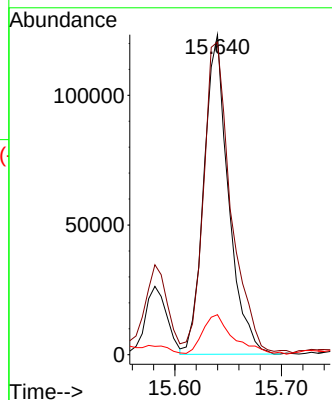
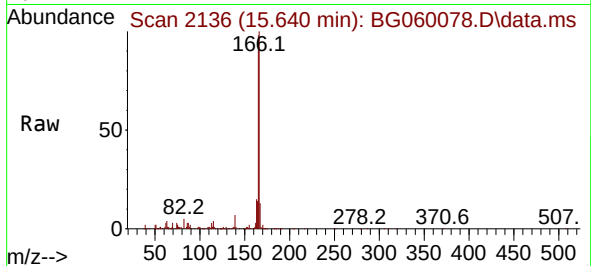




#58
 Fluorene
 Concen: 11.113 ng
 RT: 15.640 min Scan# 2137
 Delta R.T. -0.004 min
 Lab File: BG060078.D
 Acq: 18 Dec 2023 22:58

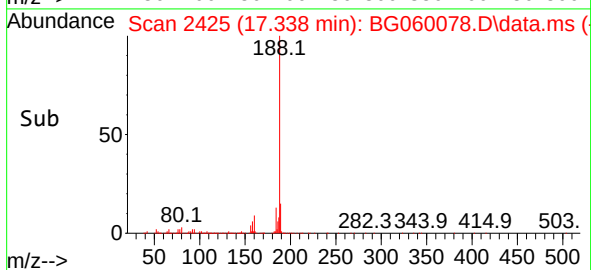
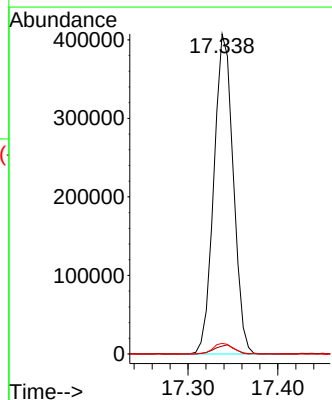
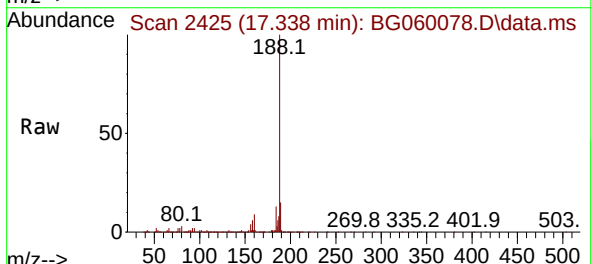
Instrument :
 BNA_G
 ClientSampleId :
 MW05D-NAPLDL

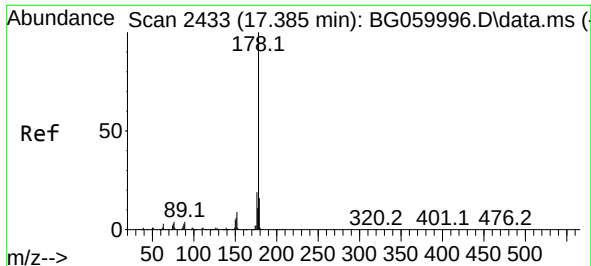
Tgt Ion:166 Resp: 197771
 Ion Ratio Lower Upper
 166 100
 165 97.7 80.2 120.2
 167 12.5 10.3 15.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.338 min Scan# 2425
 Delta R.T. -0.010 min
 Lab File: BG060078.D
 Acq: 18 Dec 2023 22:58

Tgt Ion:188 Resp: 610727
 Ion Ratio Lower Upper
 188 100
 94 2.4 3.0 4.6#
 80 3.3 4.0 6.0#

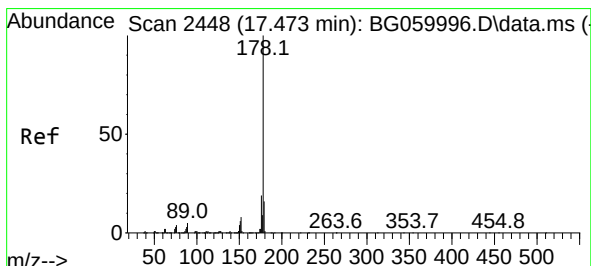
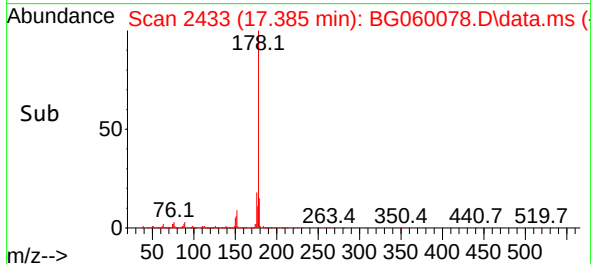
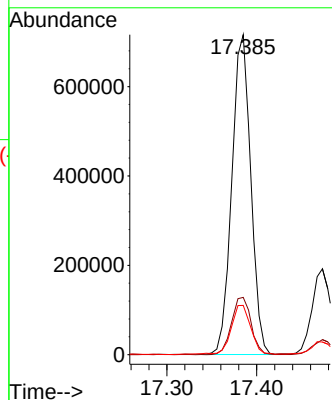
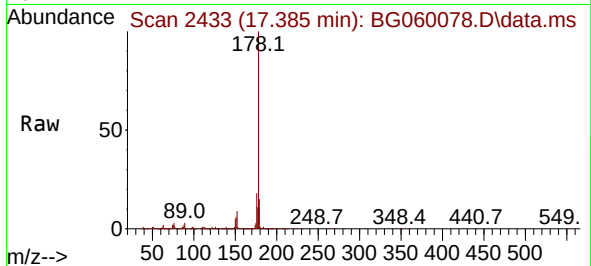




#71
Phenanthrene
Concen: 35.480 ng
RT: 17.385 min Scan# 2433
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

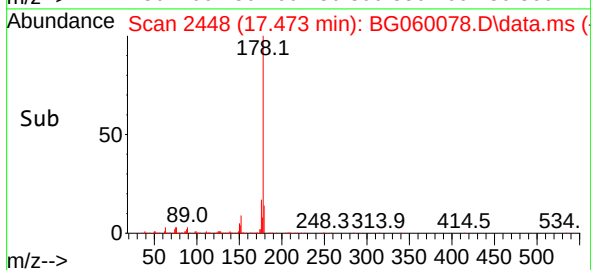
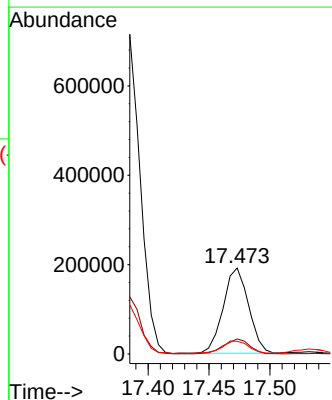
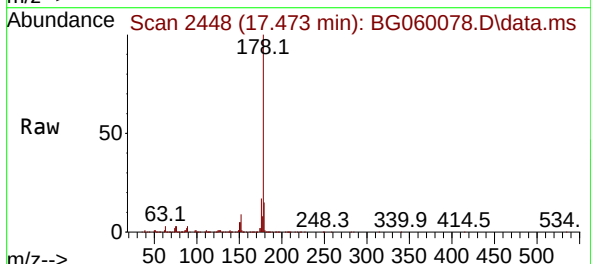
Instrument :
BNA_G
ClientSampleId :
MW05D-NAPLDL

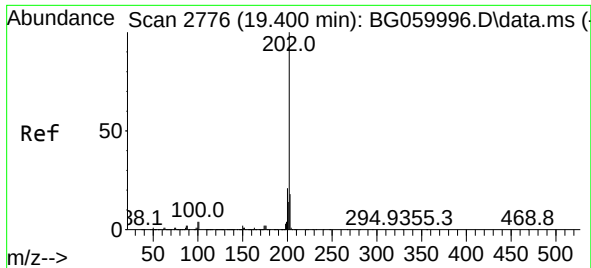
Tgt Ion:178 Resp: 1049562
Ion Ratio Lower Upper
178 100
176 17.9 15.6 23.4
179 15.4 12.6 19.0



#72
Anthracene
Concen: 9.283 ng
RT: 17.473 min Scan# 2448
Delta R.T. -0.004 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion:178 Resp: 276098
Ion Ratio Lower Upper
178 100
176 17.5 15.0 22.6
179 14.6 12.6 19.0

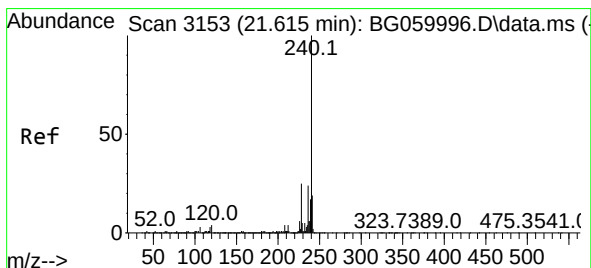
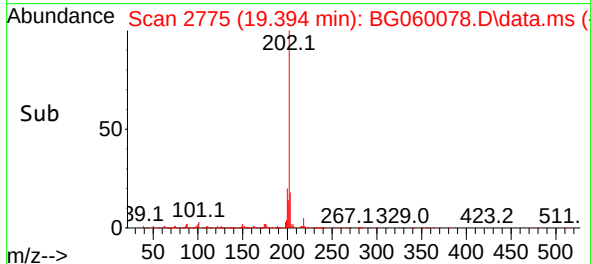
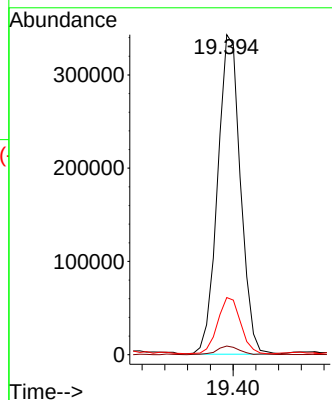
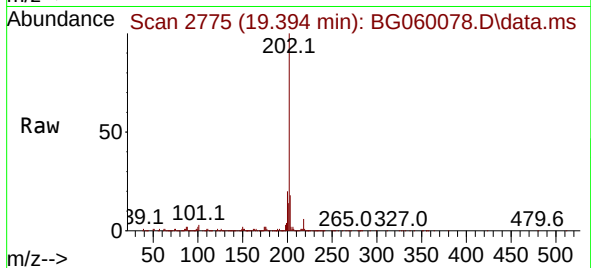




#75
Fluoranthene
Concen: 11.085 ng
RT: 19.394 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

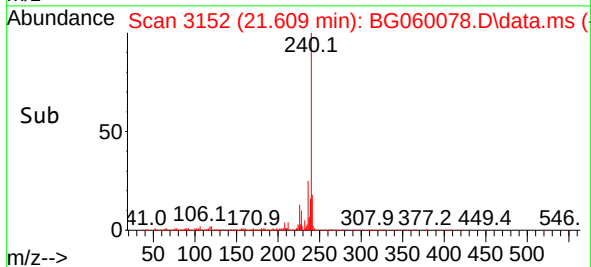
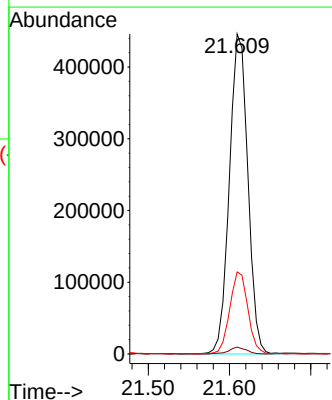
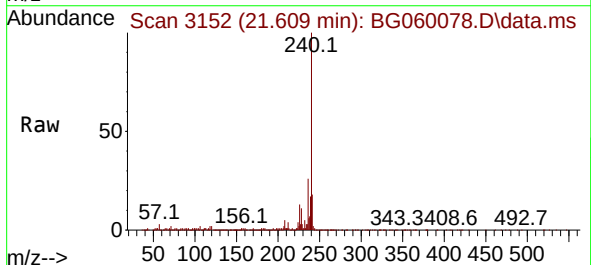
Instrument :
BNA_G
ClientSampleId :
MW05D-NAPLDL

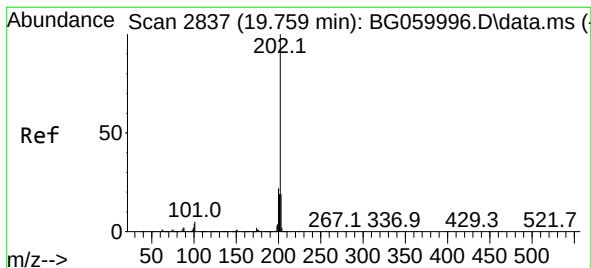
Tgt Ion:202 Resp: 478509
Ion Ratio Lower Upper
202 100
101 2.7 0.0 24.2
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.609 min Scan# 3152
Delta R.T. -0.010 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion:240 Resp: 704208
Ion Ratio Lower Upper
240 100
120 2.1 2.9 4.3#
236 25.7 19.4 29.2





#78

Pyrene

Concen: 17.371 ng

RT: 19.759 min Scan# 2837

Delta R.T. -0.004 min

Lab File: BG060078.D

Acq: 18 Dec 2023 22:58

Instrument :

BNA_G

ClientSampleId :

MW05D-NAPL

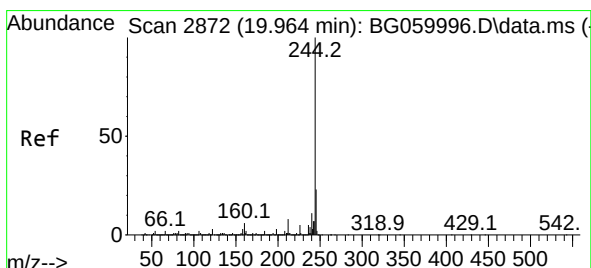
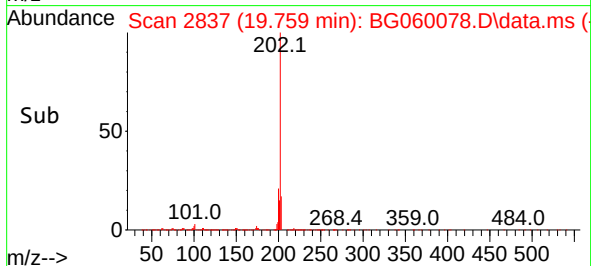
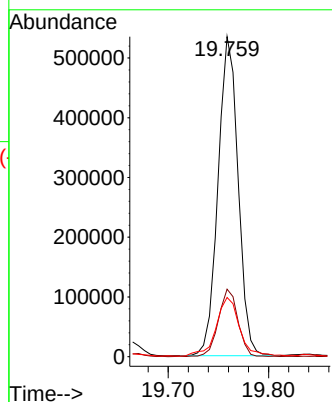
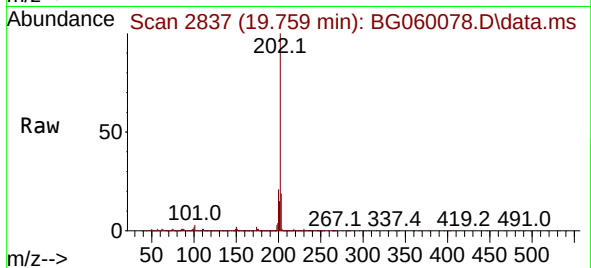
Tgt Ion:202 Resp: 741533

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

203 18.5 14.9 22.3



#79

Terphenyl-d14

Concen: 0.220 ng

RT: 19.958 min Scan# 2871

Delta R.T. -0.010 min

Lab File: BG060078.D

Acq: 18 Dec 2023 22:58

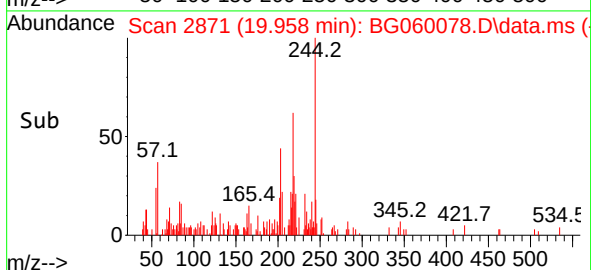
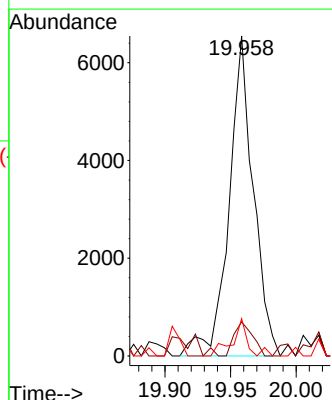
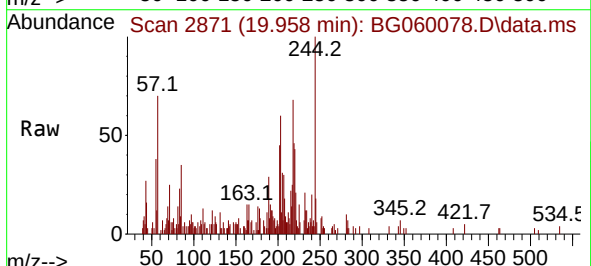
Tgt Ion:244 Resp: 8482

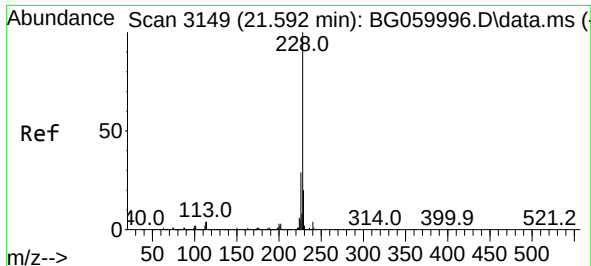
Ion Ratio Lower Upper

244 100

212 10.7 6.8 10.2#

122 11.6 2.6 3.8#

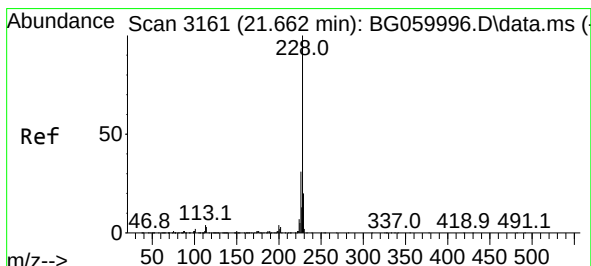
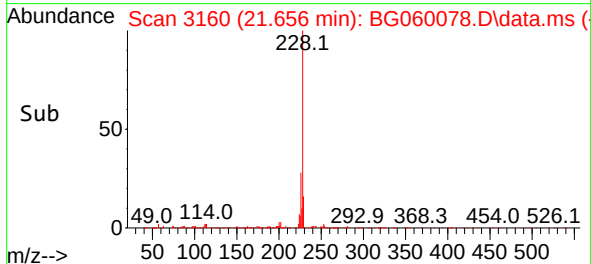
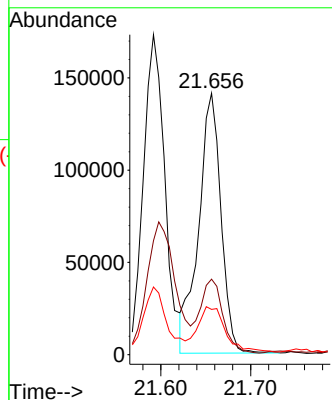
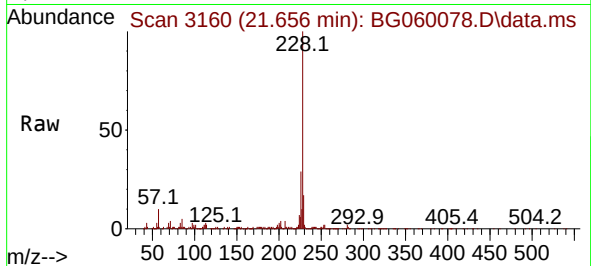




#81
Benzo(a)anthracene
Concen: 5.142 ng
RT: 21.656 min Scan# 3149
Delta R.T. 0.055 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

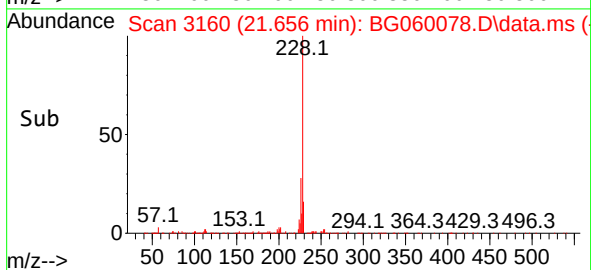
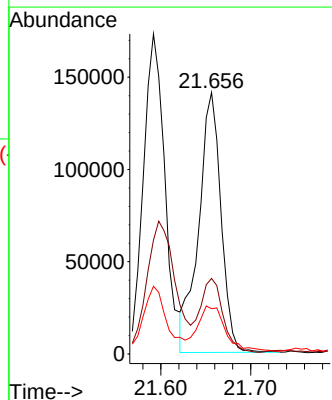
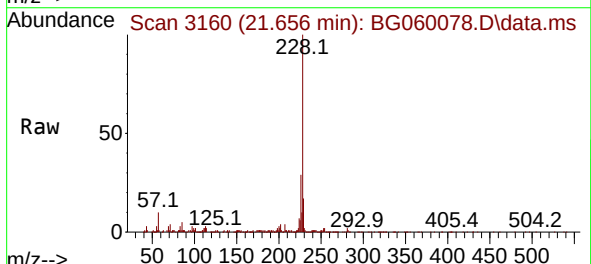
Instrument :
BNA_G
ClientSampleId :
MW05D-NAPLDL

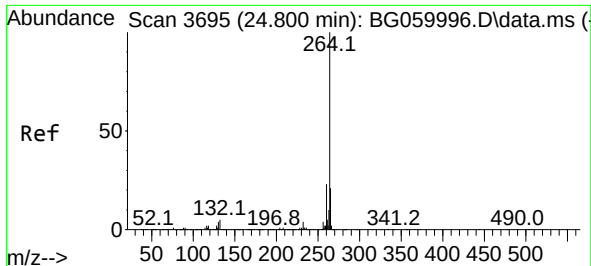
Tgt Ion:228 Resp: 243242
Ion Ratio Lower Upper
228 100
226 28.9 22.9 34.3
229 17.3 16.2 24.2



#83
Chrysene
Concen: 5.428 ng
RT: 21.656 min Scan# 3160
Delta R.T. -0.010 min
Lab File: BG060078.D
Acq: 18 Dec 2023 22:58

Tgt Ion:228 Resp: 243242
Ion Ratio Lower Upper
228 100
226 28.9 25.0 37.6
229 17.3 16.2 24.2

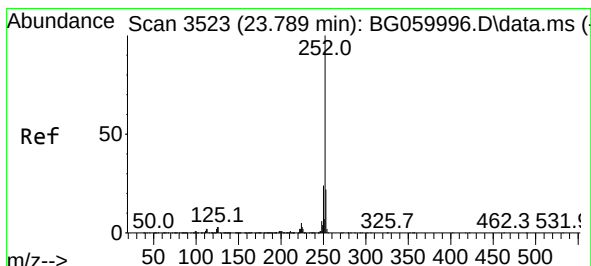
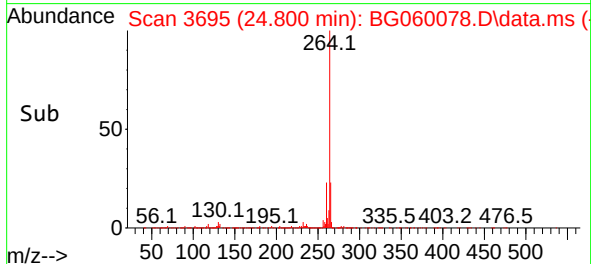
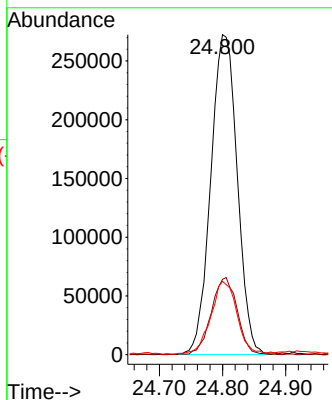
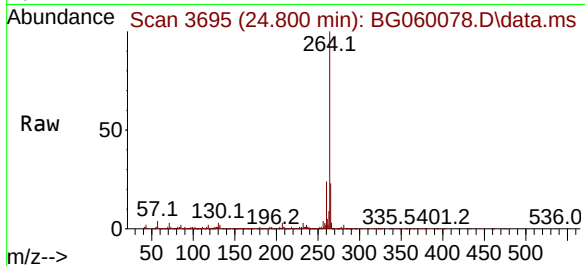




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.800 min Scan# 3695
 Delta R.T. -0.016 min
 Lab File: BG060078.D
 Acq: 18 Dec 2023 22:58

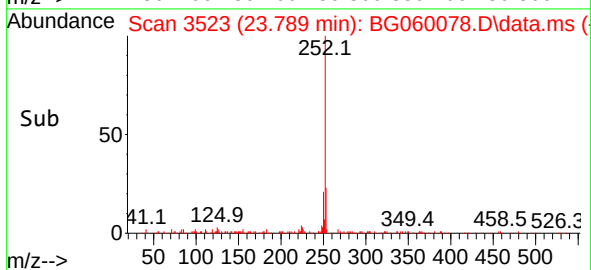
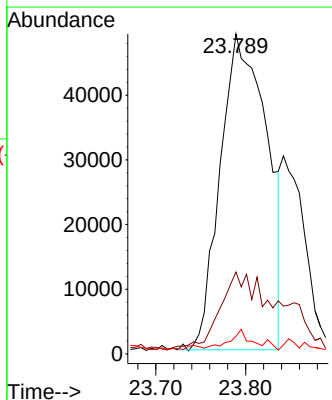
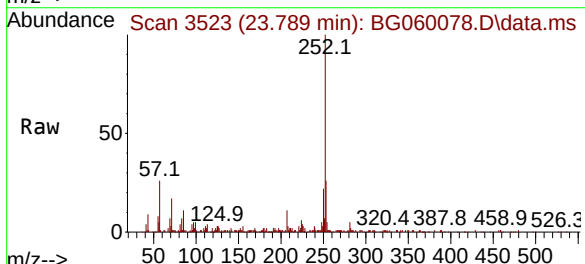
Instrument :
 BNA_G
 ClientSampleId :
 MW05D-NAPLDL

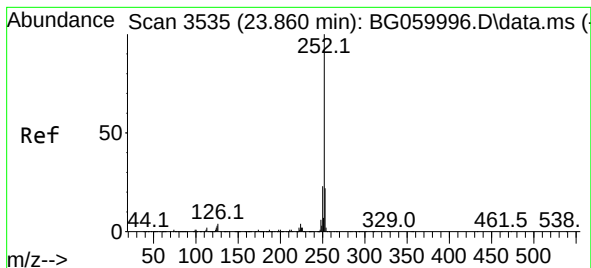
Tgt Ion:264 Resp: 791734
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.5 27.7
 265 22.9 17.3 25.9



#88
 Benzo(b)fluoranthene
 Concen: 3.596 ng
 RT: 23.789 min Scan# 3523
 Delta R.T. -0.010 min
 Lab File: BG060078.D
 Acq: 18 Dec 2023 22:58

Tgt Ion:252 Resp: 175825
 Ion Ratio Lower Upper
 252 100
 253 25.6 17.4 26.2
 125 5.5 2.6 4.0#





#89

Benzo(k)fluoranthene

Concen: 3.707 ng

RT: 23.789 min Scan# 3

Delta R.T. -0.080 min

Lab File: BG060078.D

Acq: 18 Dec 2023 22:58

Instrument :

BNA_G

ClientSampleId :

MW05D-NAPLDL

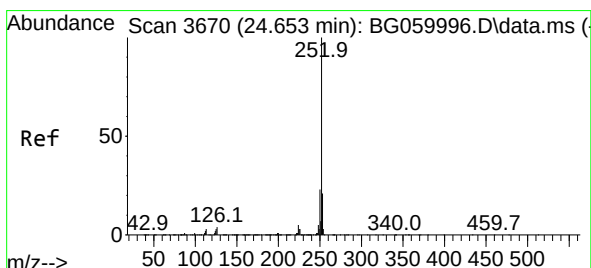
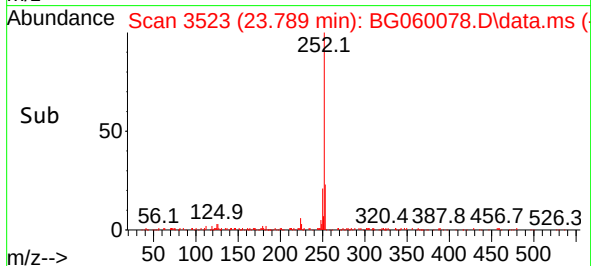
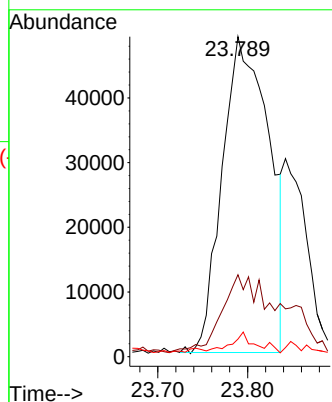
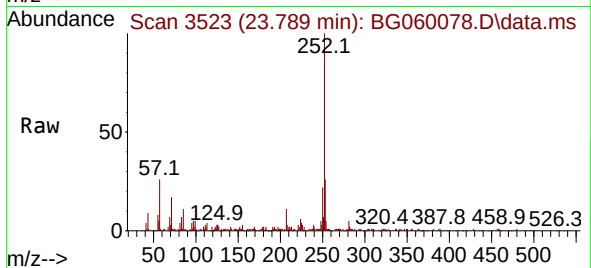
Tgt Ion:252 Resp: 175825

Ion Ratio Lower Upper

252 100

253 25.6 17.8 26.6

125 5.5 2.5 3.7#



#90

Benzo(a)pyrene

Concen: 5.139 ng

RT: 24.647 min Scan# 3669

Delta R.T. -0.016 min

Lab File: BG060078.D

Acq: 18 Dec 2023 22:58

Tgt Ion:252 Resp: 222615

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

125 4.3 2.6 4.0#

