

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
 Data File : BG060076.D
 Acq On : 18 Dec 2023 21:37
 Operator : MA/JU
 Sample : 05612-05DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 04:42:18 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)

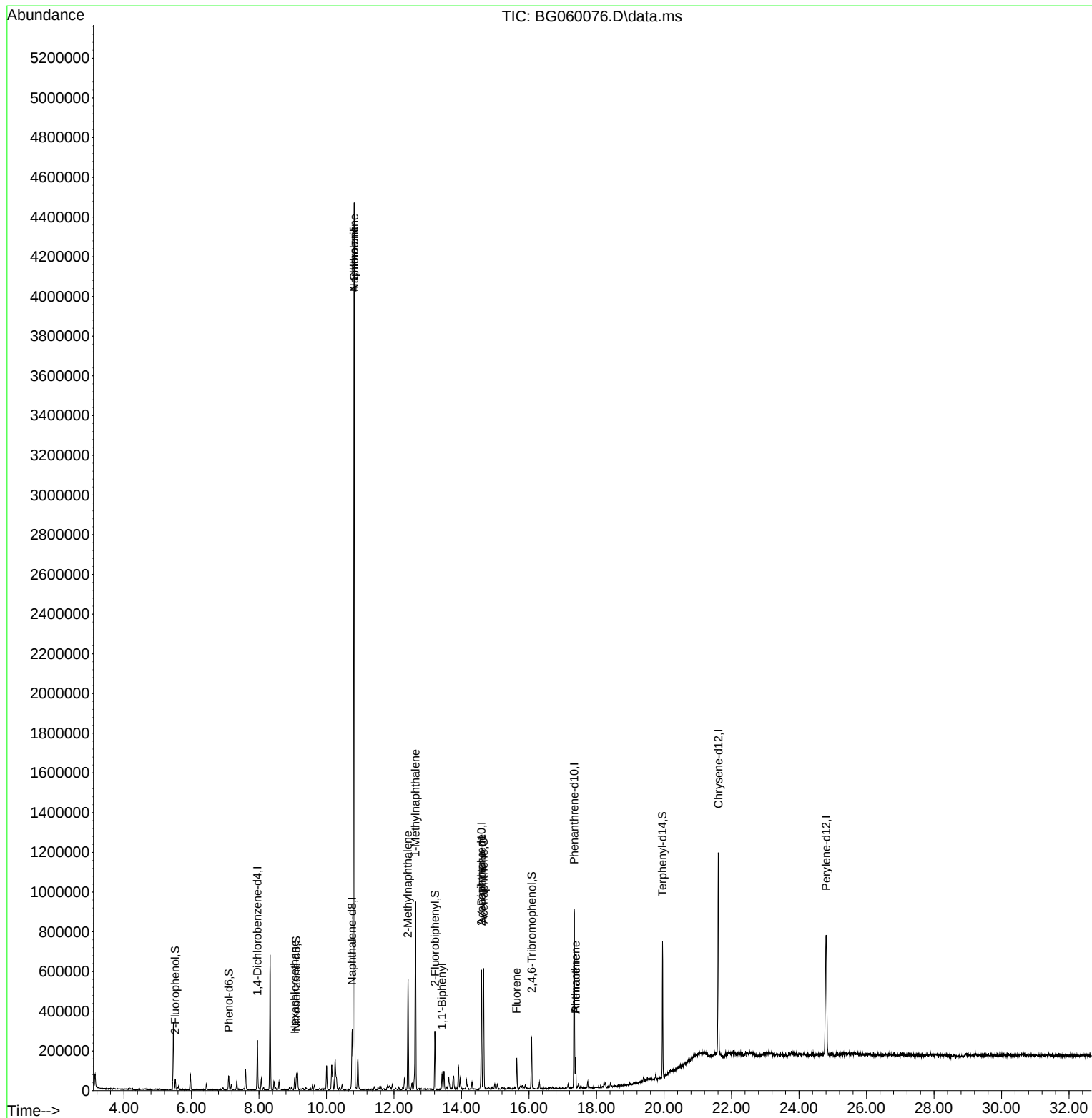
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	64850	20.000	ng	0.00
21) Naphthalene-d8	10.762	136	246061	20.000	ng	# 0.00
39) Acenaphthene-d10	14.593	164	212813	20.000	ng	0.00
64) Phenanthrene-d10	17.337	188	651402	20.000	ng	#-0.01
76) Chrysene-d12	21.608	240	693769	20.000	ng	#-0.01
86) Perylene-d12	24.804	264	791229	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.521	112	18589	4.907	ng	0.00
7) Phenol-d6	7.107	99	17464	3.277	ng	0.00
23) Nitrobenzene-d5	9.105	82	40331	7.443	ng	-0.02
42) 2,4,6-Tribromophenol	16.079	330	64671	13.040	ng	0.00
45) 2-Fluorobiphenyl	13.212	172	154618	8.892	ng	0.00
79) Terphenyl-d14	19.957	244	377090	9.923	ng	-0.01
Target Compounds						
						Qvalue
18) Hexachloroethane	9.064	117	4585	3.030	ng	# 1
31) Naphthalene	10.821	128	3253246	253.973	ng	# 96
33) 4-Chloroaniline	10.821	127	458797	94.132	ng	# 33
37) 2-Methylnaphthalene	12.413	142	233300	23.222	ng	97
38) 1-Methylnaphthalene	12.636	142	399997	40.306	ng	96
46) 1,1'-Biphenyl	13.423	154	37416	2.371	ng	98
52) Acenaphthene	14.657	154	231102	17.957	ng	97
57) 2,4-Dinitrotoluene	14.593	165	32287	6.712	ng	# 27
58) Fluorene	15.633	166	71389	4.042	ng	96
69) Atrazine	16.761	200	62	Below Cal		# 27
71) Phenanthrene	17.384	178	105150	3.333	ng	99
72) Anthracene	17.384	178	105150	3.315	ng	100

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

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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

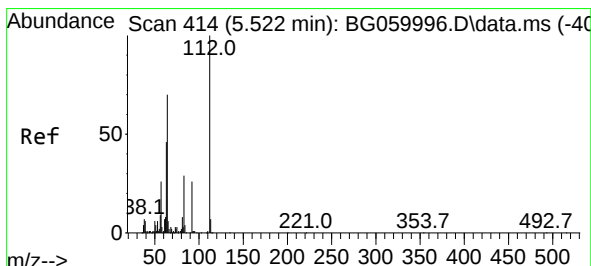
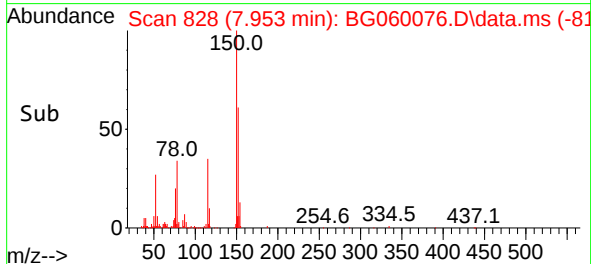
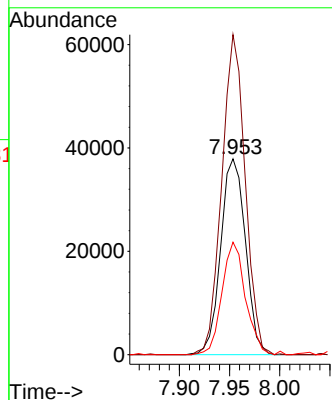
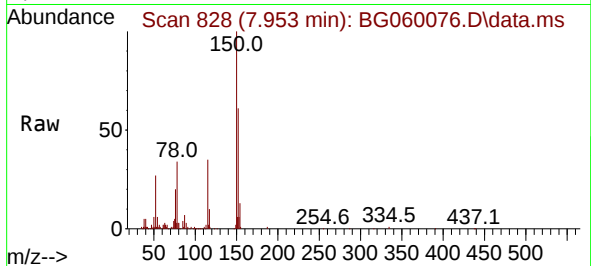




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.953 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BG060076.D
 Acq: 18 Dec 2023 21:37

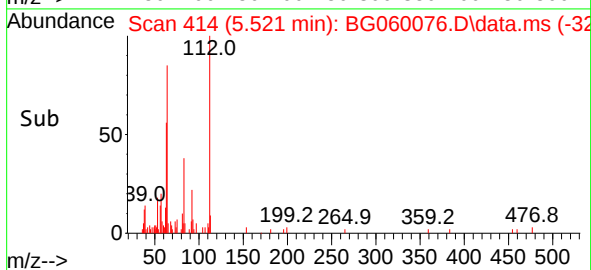
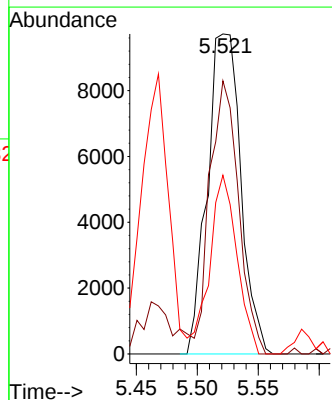
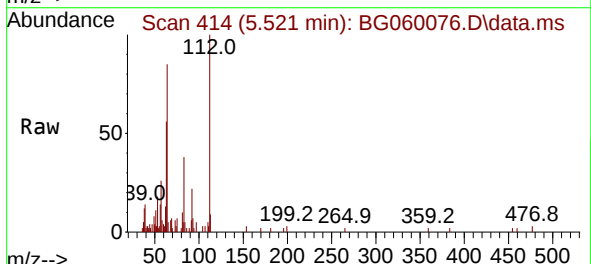
Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:152 Resp: 64850
 Ion Ratio Lower Upper
 152 100
 150 163.4 127.0 190.6
 115 57.5 45.7 68.5



#5
 2-Fluorophenol
 Concen: 4.907 ng
 RT: 5.521 min Scan# 414
 Delta R.T. -0.005 min
 Lab File: BG060076.D
 Acq: 18 Dec 2023 21:37

Tgt Ion:112 Resp: 18589
 Ion Ratio Lower Upper
 112 100
 64 85.4 55.9 83.9#
 63 55.8 36.5 54.7#

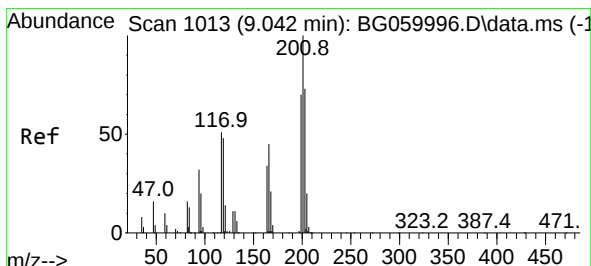
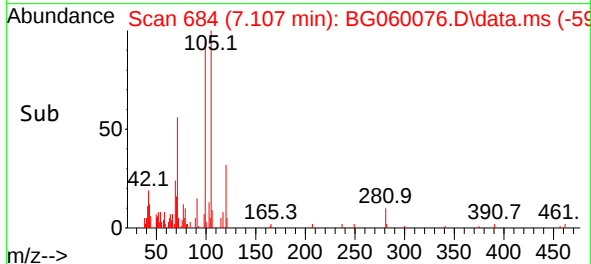
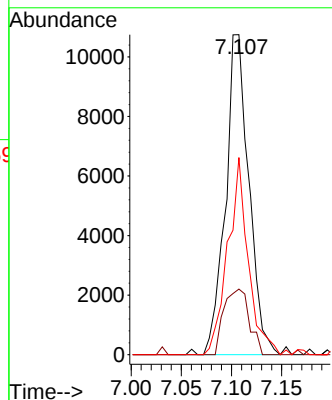
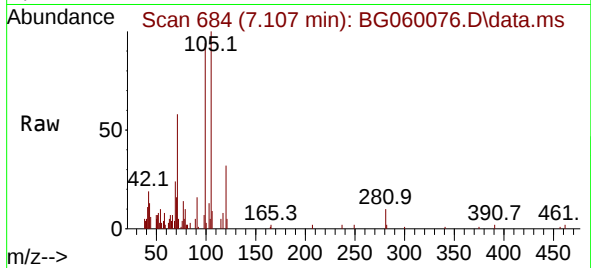




#7
Phenol-d6
Concen: 3.277 ng
RT: 7.107 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG060076.D
Acq: 18 Dec 2023 21:37

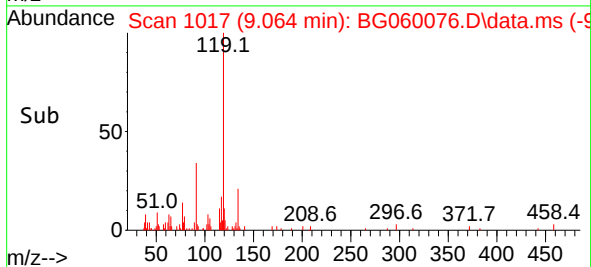
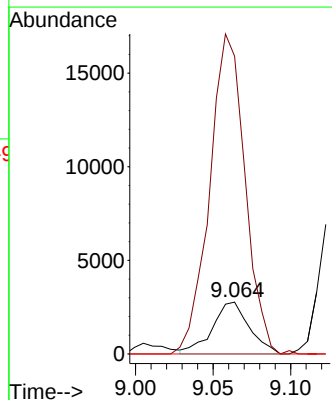
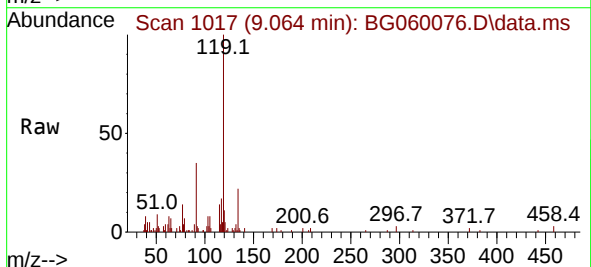
Instrument :
BNA_F
ClientSampleId :

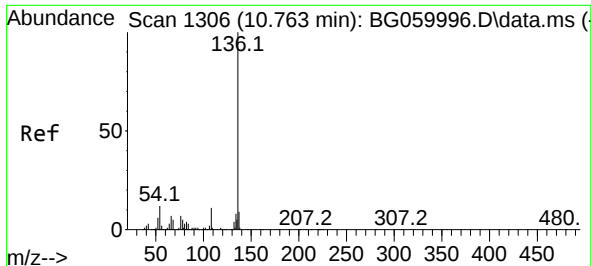
Tgt Ion: 99 Resp: 17464
Ion Ratio Lower Upper
99 100
42 20.5 16.2 24.4
71 61.6 37.6 56.4#



#18
Hexachloroethane
Concen: 3.030 ng
RT: 9.064 min Scan# 1017
Delta R.T. 0.018 min
Lab File: BG060076.D
Acq: 18 Dec 2023 21:37

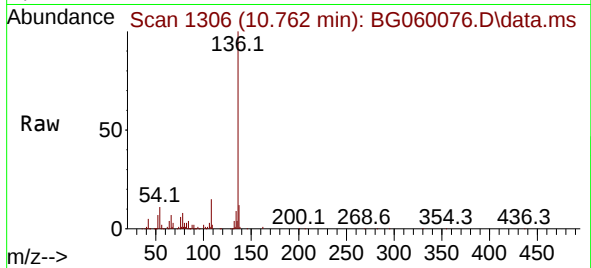
Tgt Ion: 117 Resp: 4585
Ion Ratio Lower Upper
117 100
119 574.9 74.5 111.7#
201 0.0 156.5 234.7#



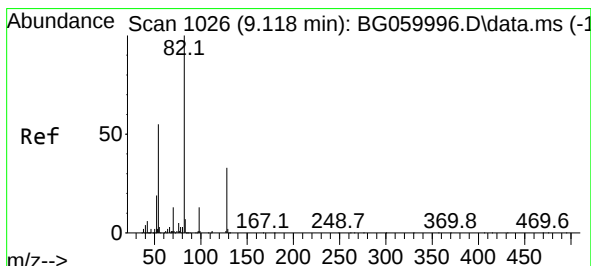
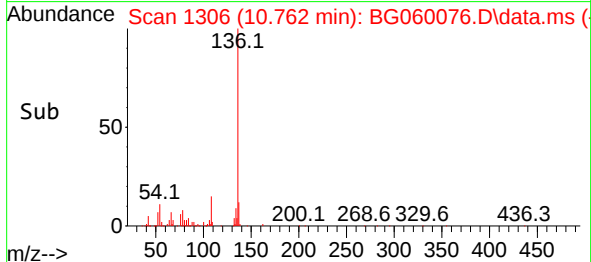
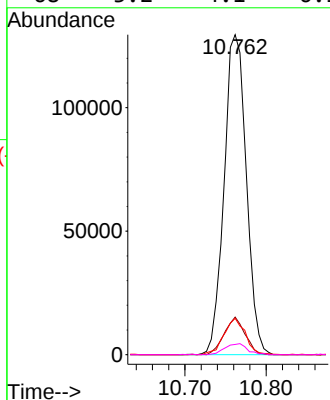


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.762 min Scan# 1306
Delta R.T. 0.001 min
Lab File: BG060076.D
Acq: 18 Dec 2023 21:37

Instrument :
BNA_F
ClientSampleId :

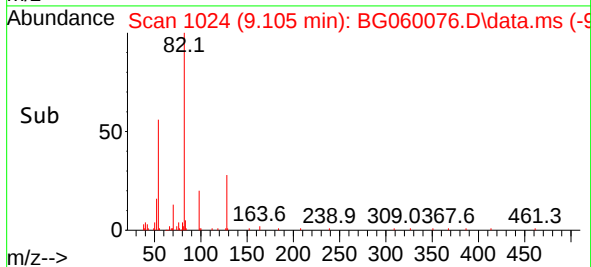
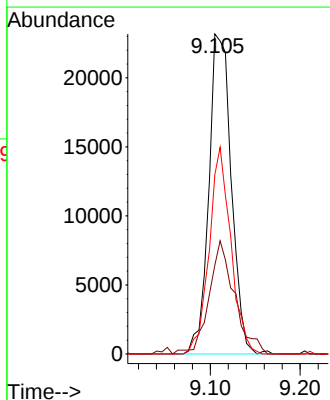
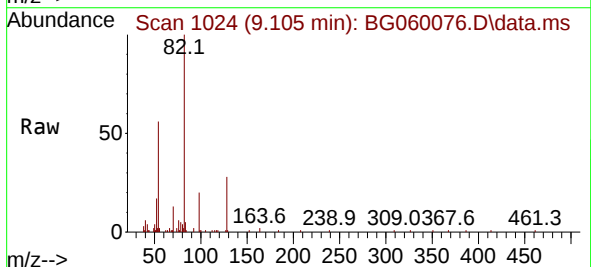


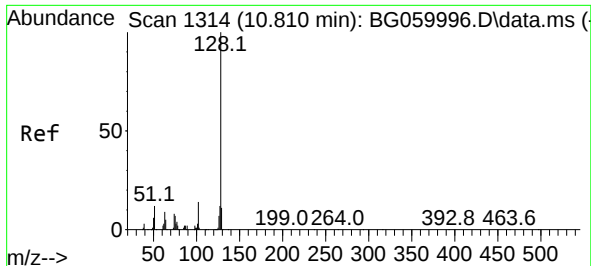
Tgt Ion:136 Resp: 246061
Ion Ratio Lower Upper
136 100
137 11.8 7.3 10.9#
54 11.4 9.6 14.4
68 3.2 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 7.443 ng
RT: 9.105 min Scan# 1024
Delta R.T. -0.017 min
Lab File: BG060076.D
Acq: 18 Dec 2023 21:37

Tgt Ion: 82 Resp: 40331
Ion Ratio Lower Upper
82 100
128 27.7 26.3 39.5
54 56.0 44.3 66.5

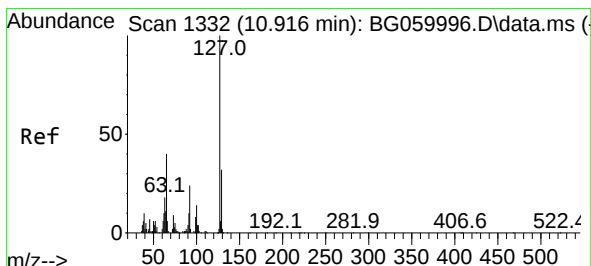
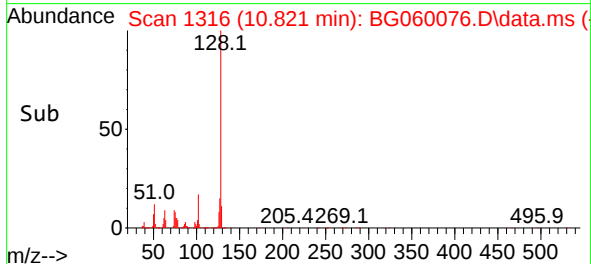
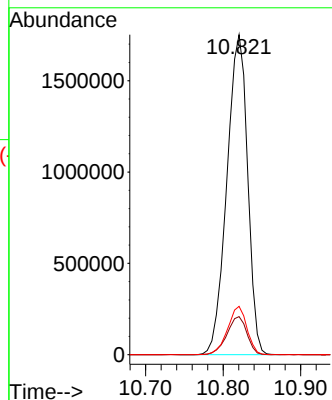
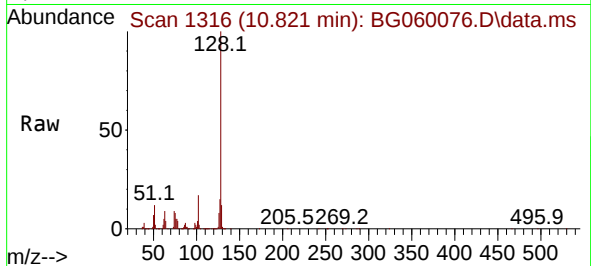




#31
Naphthalene
Concen: 253.973 ng
RT: 10.821 min Scan# 1316
Delta R.T. 0.007 min
Lab File: BG060076.D
Acq: 18 Dec 2023 21:37

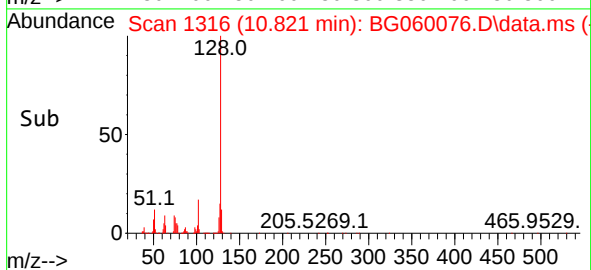
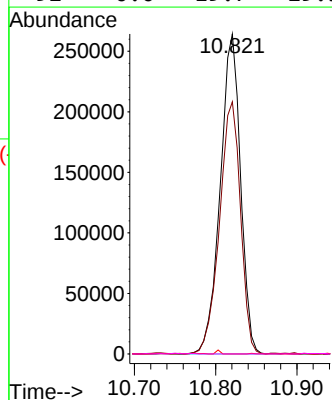
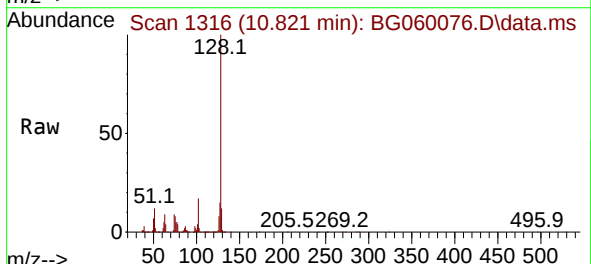
Instrument :
BNA_F
ClientSampleId :

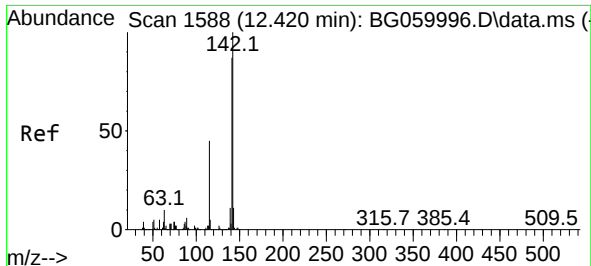
Tgt Ion:128 Resp: 3253246
Ion Ratio Lower Upper
128 100
129 11.9 9.2 13.8
127 15.1 9.7 14.5#



#33
4-Chloroaniline
Concen: 94.132 ng
RT: 10.821 min Scan# 1316
Delta R.T. -0.093 min
Lab File: BG060076.D
Acq: 18 Dec 2023 21:37

Tgt Ion:127 Resp: 458797
Ion Ratio Lower Upper
127 100
129 78.8 25.7 38.5#
65 0.0 32.3 48.5#
92 0.0 19.7 29.5#

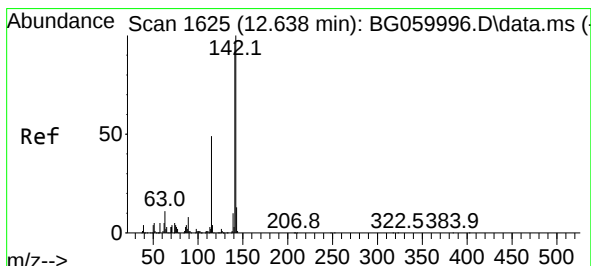
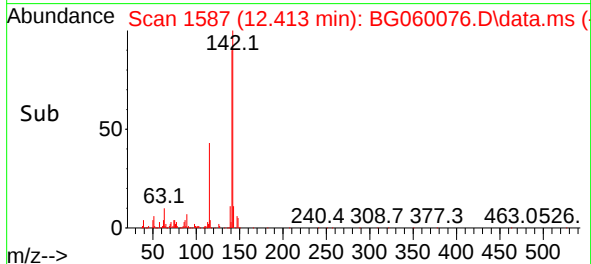
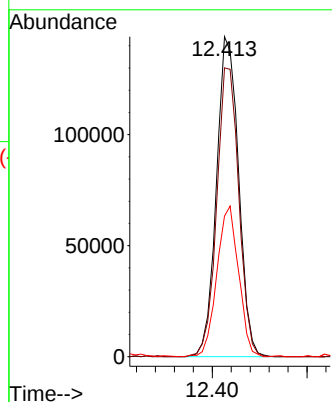
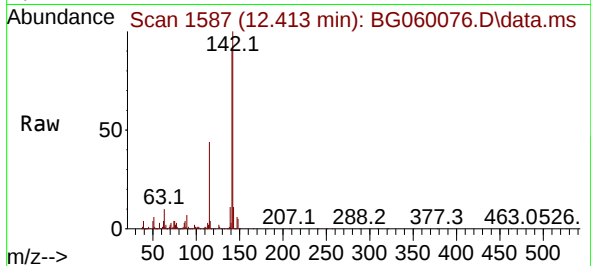




#37
2-Methylnaphthalene
Concen: 23.222 ng
RT: 12.413 min Scan# 1587
Delta R.T. -0.011 min
Lab File: BG060076.D
Acq: 18 Dec 2023 21:37

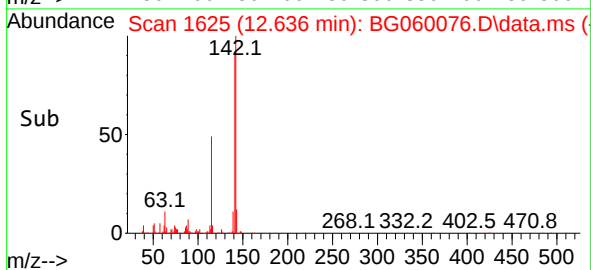
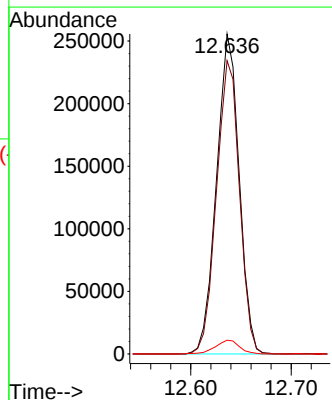
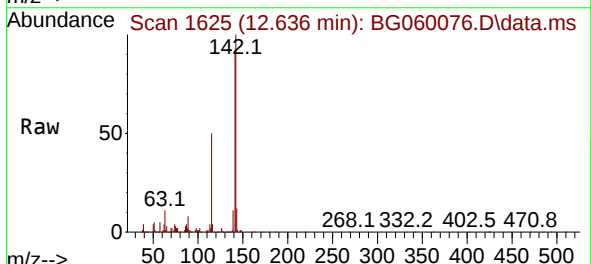
Instrument :
BNA_F
ClientSampleId :

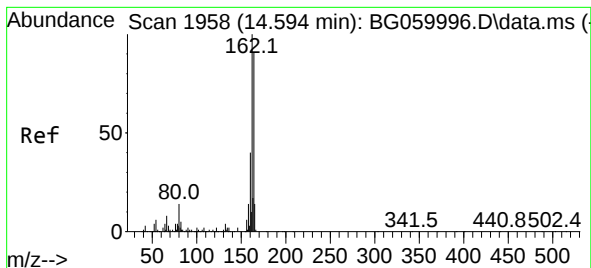
Tgt Ion:142 Resp: 233300
Ion Ratio Lower Upper
142 100
141 90.3 69.9 104.9
115 43.9 36.1 54.1



#38
1-Methylnaphthalene
Concen: 40.306 ng
RT: 12.636 min Scan# 1625
Delta R.T. -0.005 min
Lab File: BG060076.D
Acq: 18 Dec 2023 21:37

Tgt Ion:142 Resp: 399997
Ion Ratio Lower Upper
142 100
141 91.7 76.9 115.3
116 4.3 3.5 5.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.593 min Scan# 1958

Delta R.T. -0.005 min

Lab File: BG060076.D

Acq: 18 Dec 2023 21:37

Instrument :

BNA_F

ClientSampleId :

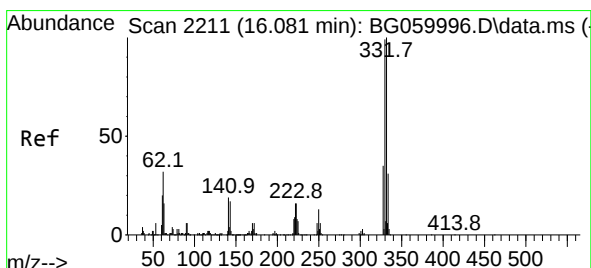
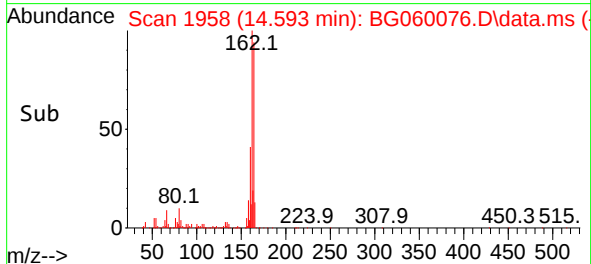
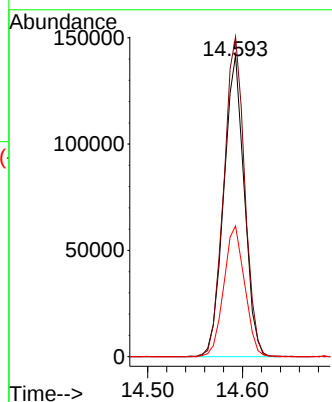
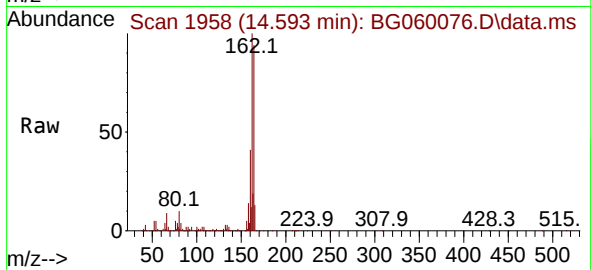
Tgt Ion:164 Resp: 212813

Ion Ratio Lower Upper

164 100

162 106.1 88.1 132.1

160 43.4 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 13.040 ng

RT: 16.079 min Scan# 2211

Delta R.T. -0.005 min

Lab File: BG060076.D

Acq: 18 Dec 2023 21:37

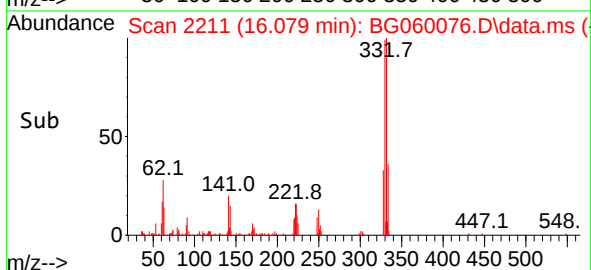
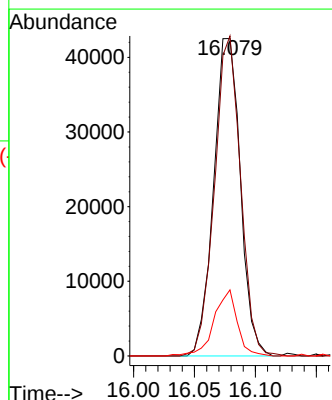
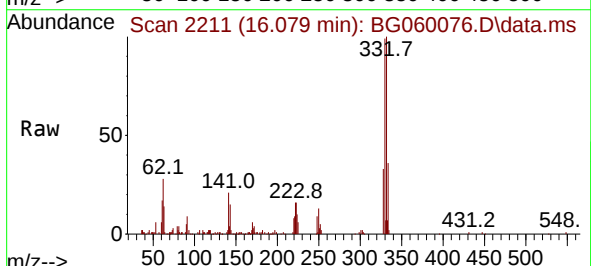
Tgt Ion:330 Resp: 64671

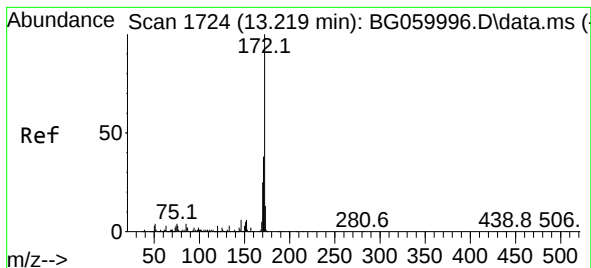
Ion Ratio Lower Upper

330 100

332 98.3 76.2 114.4

141 18.3 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 8.892 ng

RT: 13.212 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG060076.D

Acq: 18 Dec 2023 21:37

Instrument :

BNA_F

ClientSampleId :

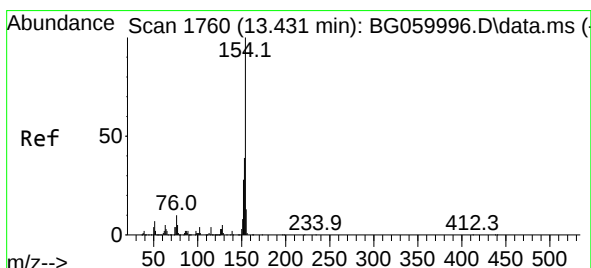
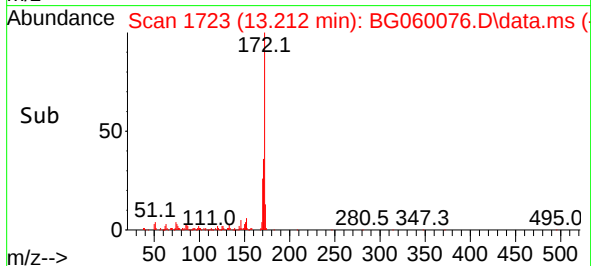
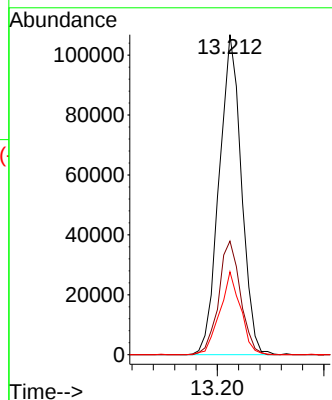
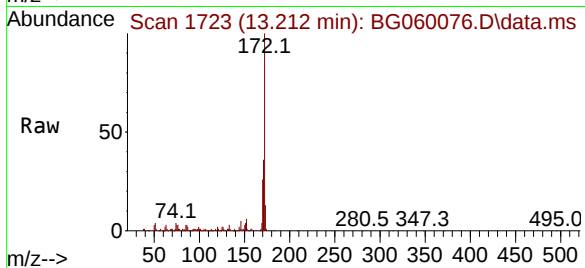
Tgt Ion:172 Resp: 154618

Ion Ratio Lower Upper

172 100

171 35.5 30.1 45.1

170 25.9 20.0 30.0



#46

1,1'-Biphenyl

Concen: 2.371 ng

RT: 13.423 min Scan# 1759

Delta R.T. -0.005 min

Lab File: BG060076.D

Acq: 18 Dec 2023 21:37

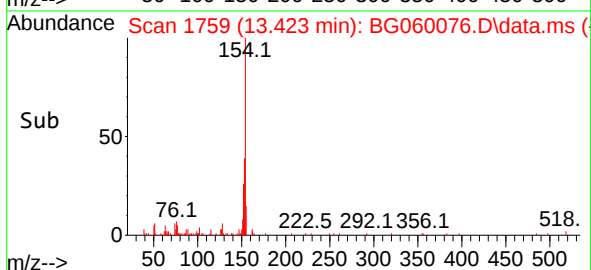
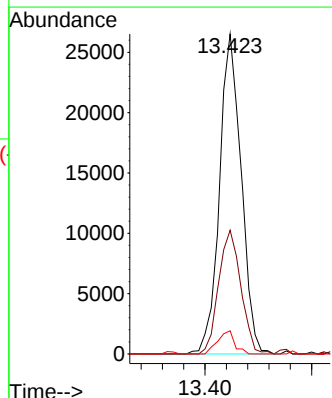
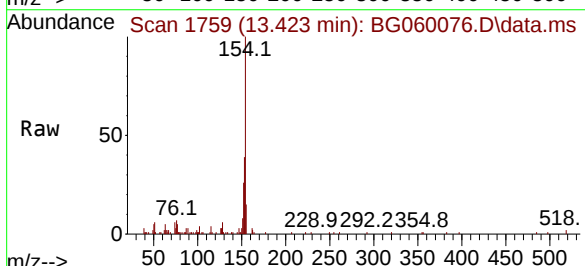
Tgt Ion:154 Resp: 37416

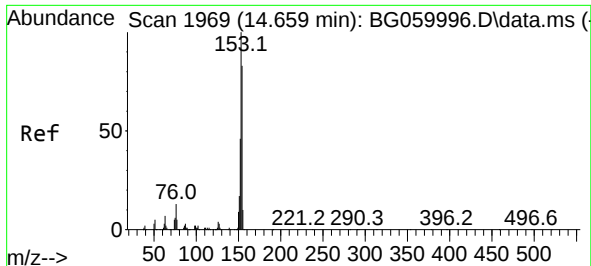
Ion Ratio Lower Upper

154 100

153 38.6 19.2 59.2

76 7.3 0.0 29.9

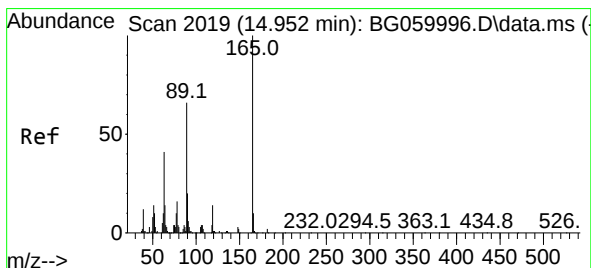
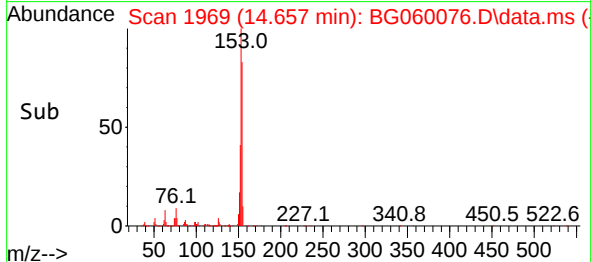
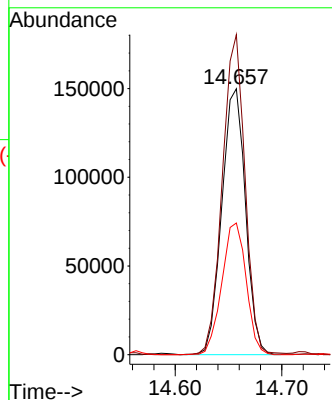
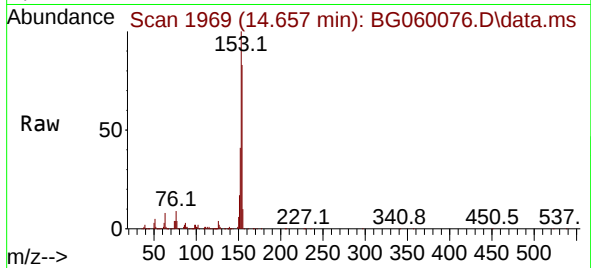




#52
Acenaphthene
Concen: 17.957 ng
RT: 14.657 min Scan# 1969
Delta R.T. -0.005 min
Lab File: BG060076.D
Acq: 18 Dec 2023 21:37

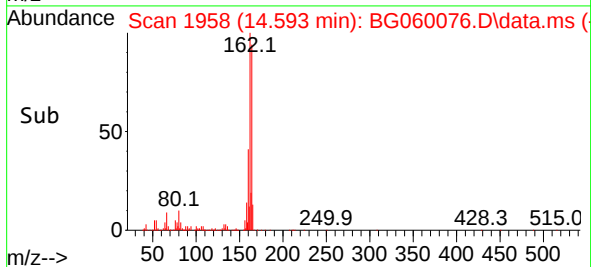
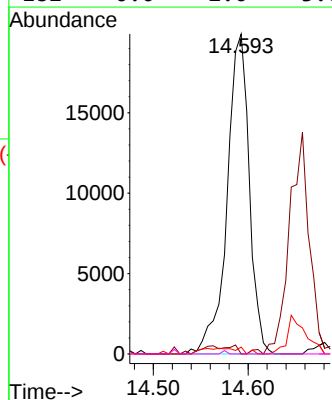
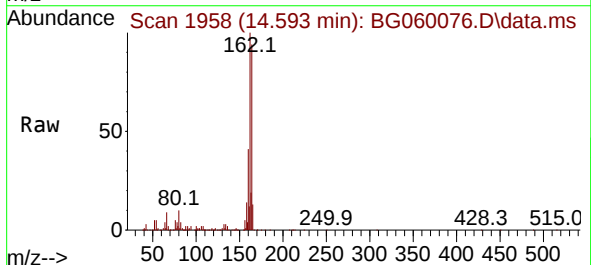
Instrument :
BNA_F
ClientSampleId :

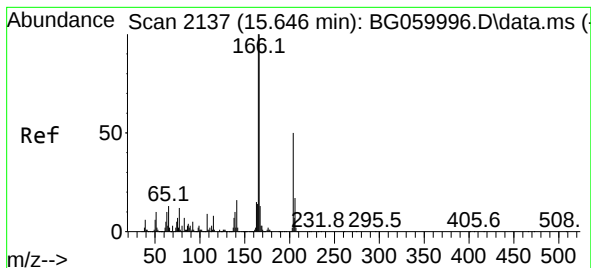
Tgt Ion:154 Resp: 231102
Ion Ratio Lower Upper
154 100
153 120.3 96.0 144.0
152 49.5 44.3 66.5



#57
2,4-Dinitrotoluene
Concen: 6.712 ng
RT: 14.593 min Scan# 1958
Delta R.T. -0.358 min
Lab File: BG060076.D
Acq: 18 Dec 2023 21:37

Tgt Ion:165 Resp: 32287
Ion Ratio Lower Upper
165 100
63 0.0 32.8 49.2#
89 2.1 53.0 79.6#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 4.042 ng

RT: 15.633 min Scan# 21

Delta R.T. -0.011 min

Lab File: BG060076.D

Acq: 18 Dec 2023 21:37

Instrument :

BNA_F

ClientSampleId :

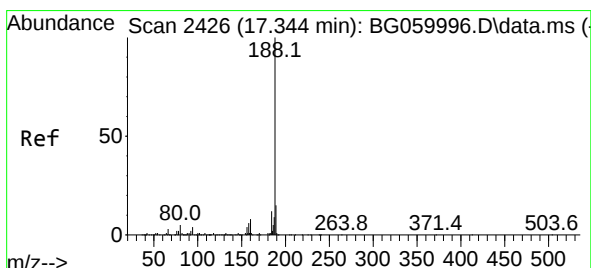
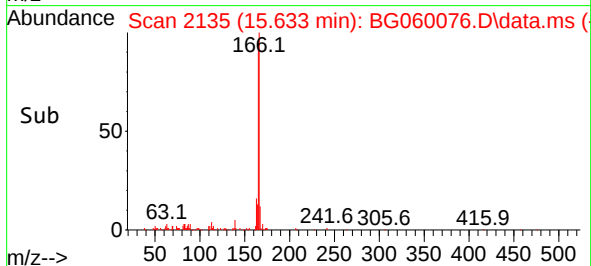
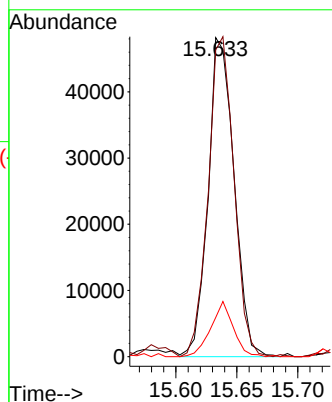
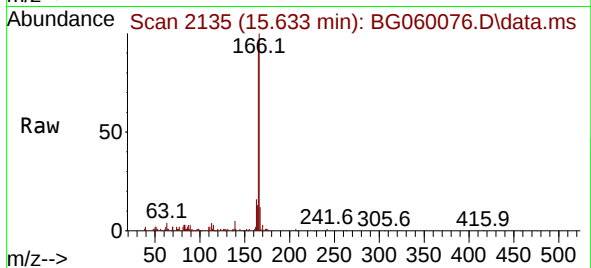
Tgt Ion:166 Resp: 71389

Ion Ratio Lower Upper

166 100

165 96.1 80.2 120.2

167 12.3 10.3 15.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.337 min Scan# 2425

Delta R.T. -0.011 min

Lab File: BG060076.D

Acq: 18 Dec 2023 21:37

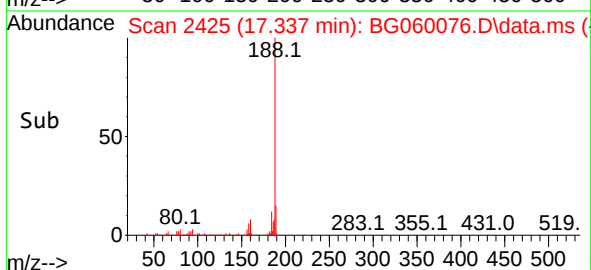
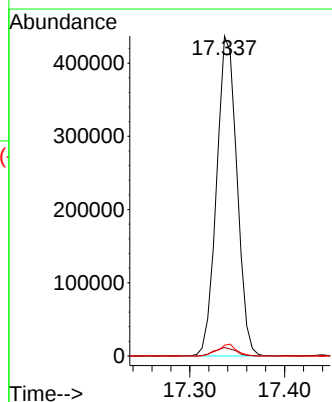
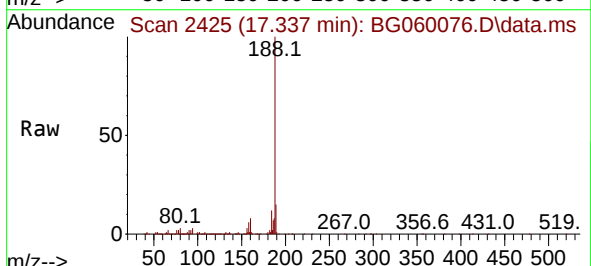
Tgt Ion:188 Resp: 651402

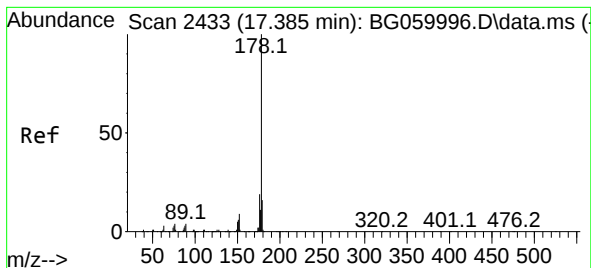
Ion Ratio Lower Upper

188 100

94 2.6 3.0 4.6#

80 3.3 4.0 6.0#





#71

Phenanthrene

Concen: 3.333 ng

RT: 17.384 min Scan# 2433

Delta R.T. -0.005 min

Lab File: BG060076.D

Acq: 18 Dec 2023 21:37

Instrument :

BNA_F

ClientSampleId :

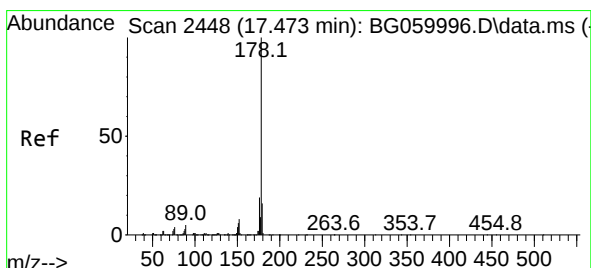
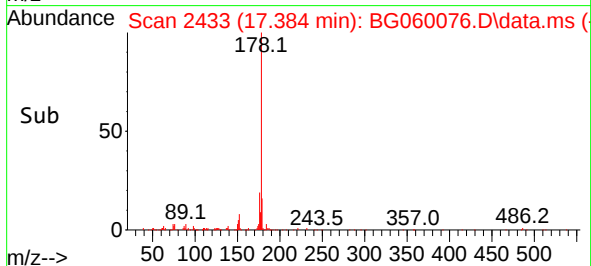
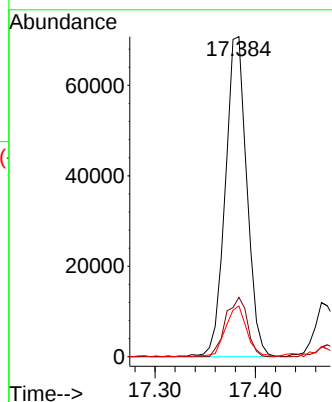
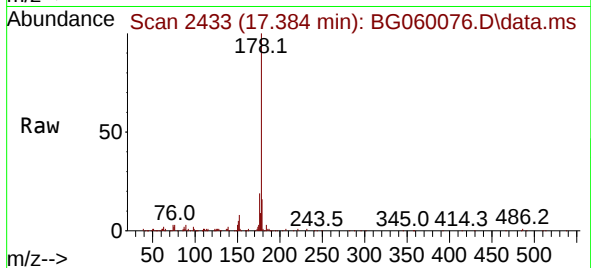
Tgt Ion:178 Resp: 105150

Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

179 15.9 12.6 19.0



#72

Anthracene

Concen: 3.315 ng

RT: 17.384 min Scan# 2433

Delta R.T. -0.093 min

Lab File: BG060076.D

Acq: 18 Dec 2023 21:37

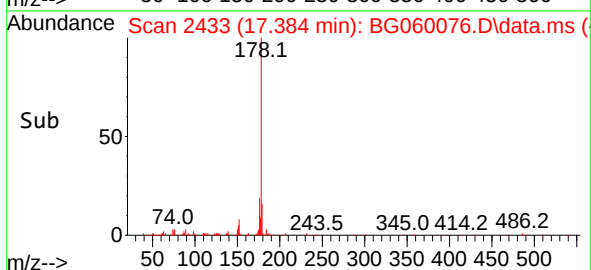
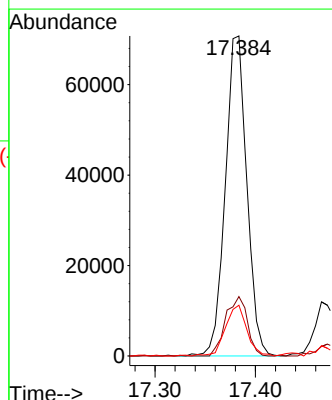
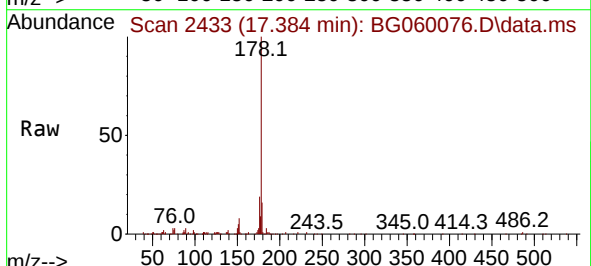
Tgt Ion:178 Resp: 105150

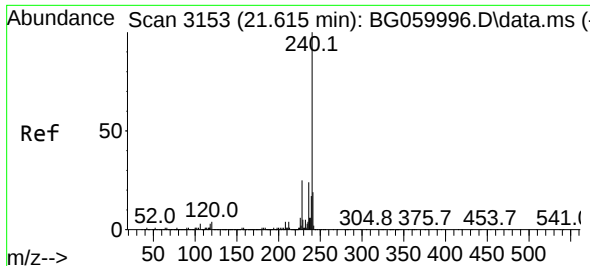
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

179 15.9 12.6 19.0

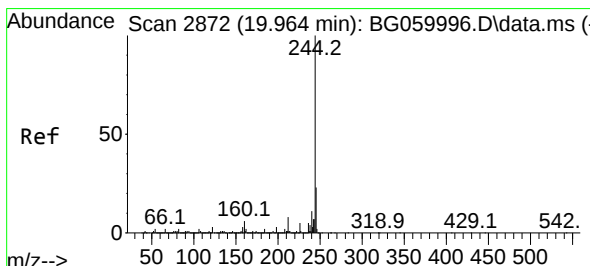
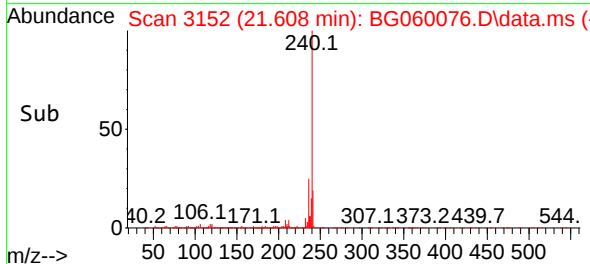
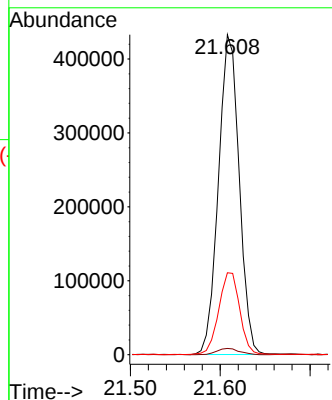
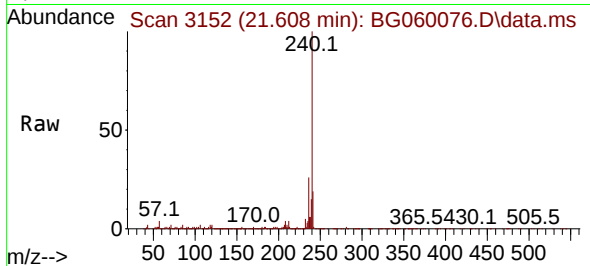




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.608 min Scan# 3153
Delta R.T. -0.011 min
Lab File: BG060076.D
Acq: 18 Dec 2023 21:37

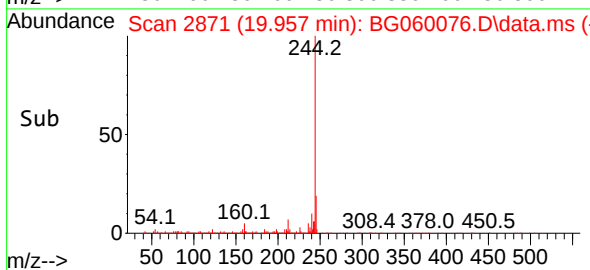
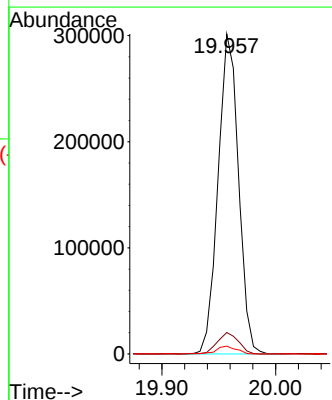
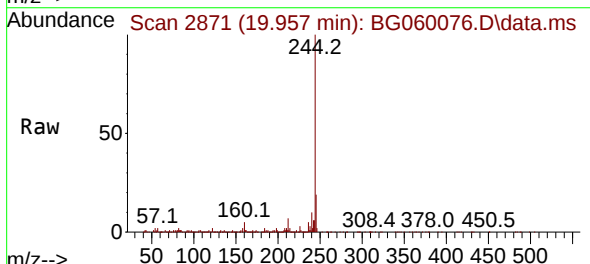
Instrument :
BNA_F
ClientSampleId :

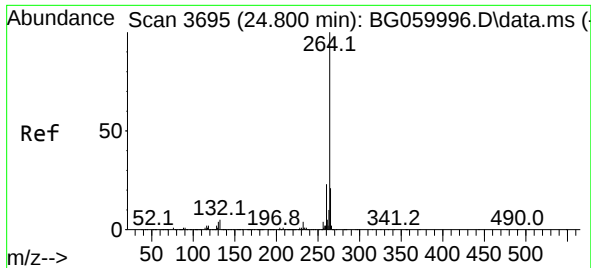
Tgt Ion:240 Resp: 693769
Ion Ratio Lower Upper
240 100
120 1.9 2.9 4.3#
236 25.6 19.4 29.2



#79
Terphenyl-d14
Concen: 9.923 ng
RT: 19.957 min Scan# 2871
Delta R.T. -0.011 min
Lab File: BG060076.D
Acq: 18 Dec 2023 21:37

Tgt Ion:244 Resp: 377090
Ion Ratio Lower Upper
244 100
212 6.7 6.8 10.2#
122 2.5 2.6 3.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.804 min Scan# 30
 Delta R.T. -0.011 min
 Lab File: BG060076.D
 Acq: 18 Dec 2023 21:37

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:264	Resp:	791229
Ion	Ratio	Lower Upper
264	100	
260	23.5	18.5 27.7
265	23.0	17.3 25.9

