

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
 Data File : BG060070.D
 Acq On : 18 Dec 2023 17:33
 Operator : MA/JU
 Sample : 05796-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 04:39:27 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)

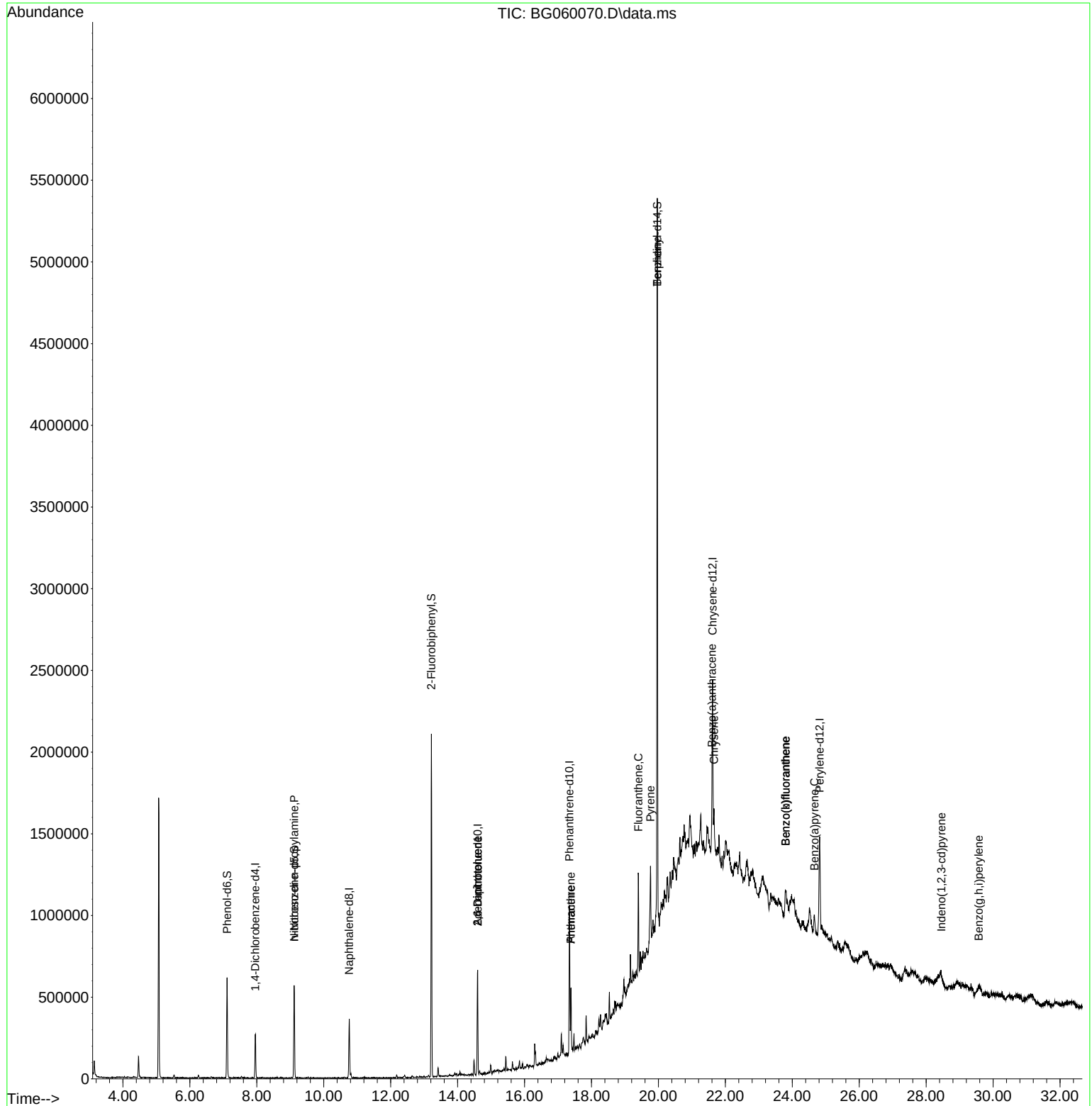
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	72010	20.000	ng	0.00
21) Naphthalene-d8	10.761	136	277998	20.000	ng	# 0.00
39) Acenaphthene-d10	14.598	164	234063	20.000	ng	0.00
64) Phenanthrene-d10	17.341	188	641091	20.000	ng	# 0.00
76) Chrysene-d12	21.619	240	675652	20.000	ng	# 0.00
86) Perylene-d12	24.815	264	748988	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	7161	1.702	ng	0.00
7) Phenol-d6	7.112	99	291124	49.200	ng	0.00
23) Nitrobenzene-d5	9.116	82	317101	51.795	ng	0.00
42) 2,4,6-Tribromophenol	16.078	330	150	0.027	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	1130480	59.112	ng	0.00
79) Terphenyl-d14	19.968	244	2449369	66.186	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.116	70	44390	11.628	ng	# 82
51) 2,6-Dinitrotoluene	14.598	165	35560	9.449	ng	# 23
57) 2,4-Dinitrotoluene	14.598	165	35560	6.721	ng	# 27
69) Atrazine	16.807	200	370	Below Cal		# 1
71) Phenanthrene	17.383	178	289481	9.322	ng	97
72) Anthracene	17.383	178	289481	9.272	ng	98
75) Fluoranthene	19.404	202	421268	9.297	ng	97
77) Benzidine	19.968	184	40958	4.719	ng	95
78) Pyrene	19.762	202	353703	8.636	ng	98
81) Benzo(a)anthracene	21.595	228	205857	4.536	ng	# 95
83) Chrysene	21.660	228	207023	4.815	ng	# 91
87) Indeno(1,2,3-cd)pyrene	28.452	276	124847	2.336	ng	# 76
88) Benzo(b)fluoranthene	23.799	252	240088	5.190	ng	# 94
89) Benzo(k)fluoranthene	23.799	252	240088	5.351	ng	# 94
90) Benzo(a)pyrene	24.662	252	159998	3.904	ng	# 89
92) Benzo(g,h,i)perylene	29.574	276	106333	2.392	ng	# 95

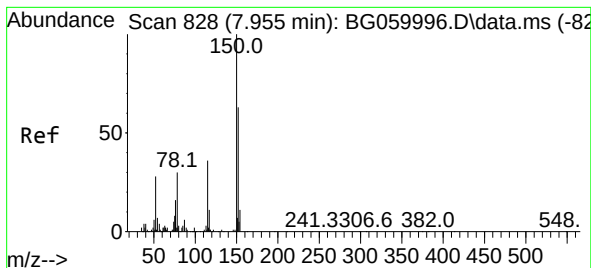
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
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QLast Update : Tue Dec 19 04:37:23 2023
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.952 min Scan# 81

Delta R.T. -0.007 min

Lab File: BG060070.D

Acq: 18 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

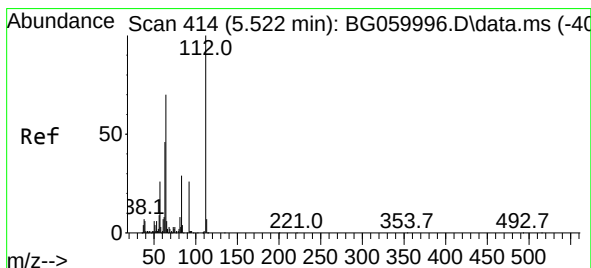
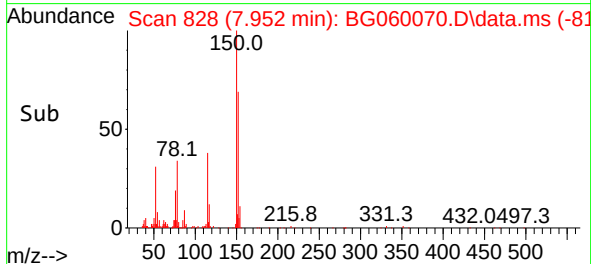
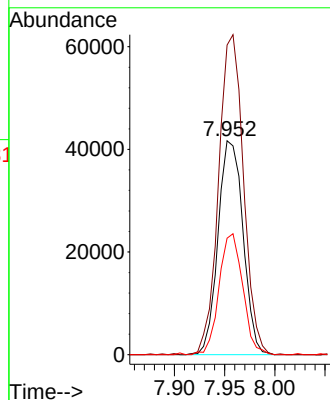
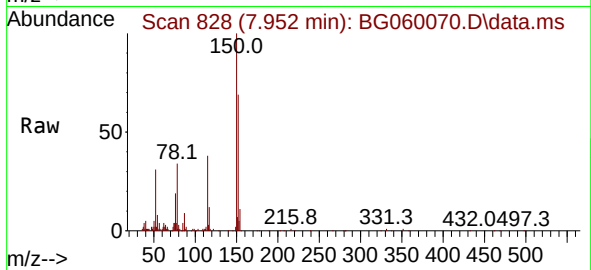
Tgt Ion:152 Resp: 72010

Ion Ratio Lower Upper

152 100

150 144.8 127.0 190.6

115 54.5 45.7 68.5



#5

2-Fluorophenol

Concen: 1.702 ng

RT: 5.526 min Scan# 415

Delta R.T. -0.000 min

Lab File: BG060070.D

Acq: 18 Dec 2023 17:33

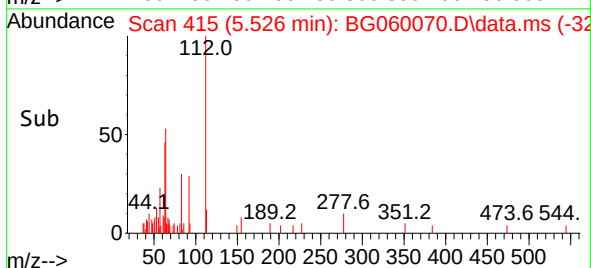
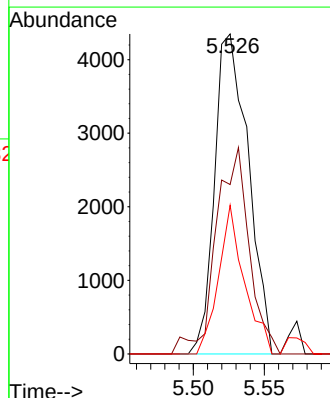
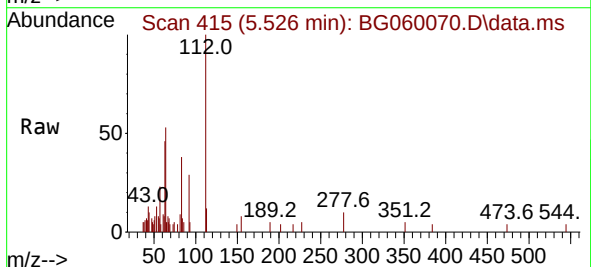
Tgt Ion:112 Resp: 7161

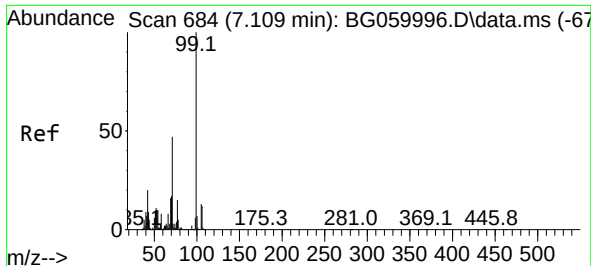
Ion Ratio Lower Upper

112 100

64 53.0 55.9 83.9#

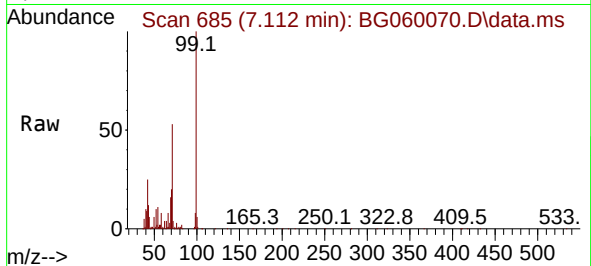
63 46.4 36.5 54.7



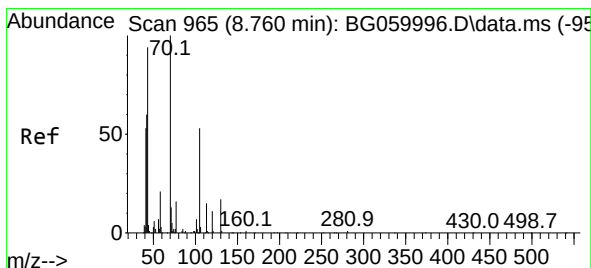
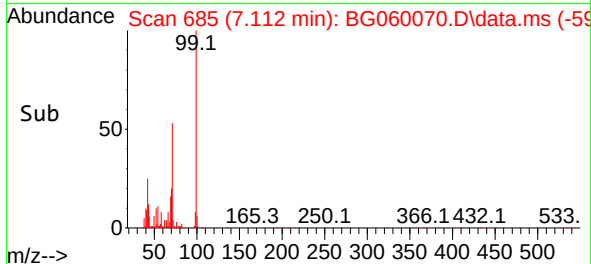
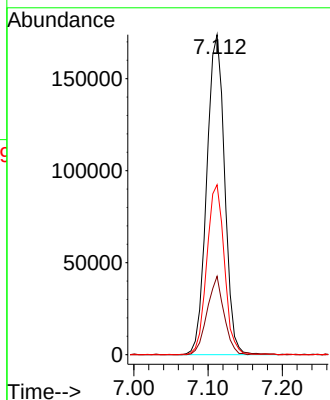


#7
Phenol-d6
Concen: 49.200 ng
RT: 7.112 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Instrument :
BNA_F
ClientSampleId :

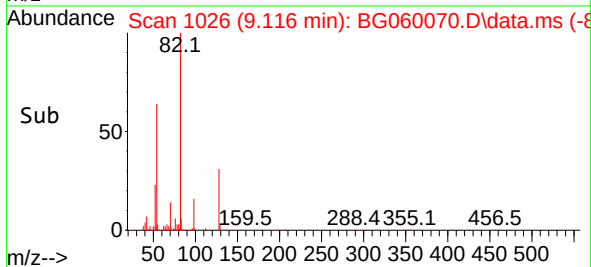
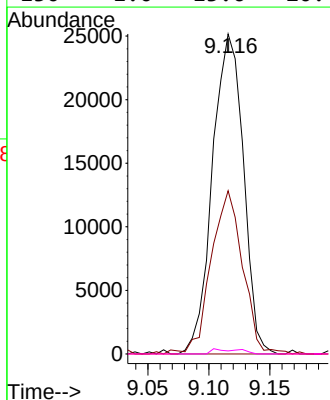
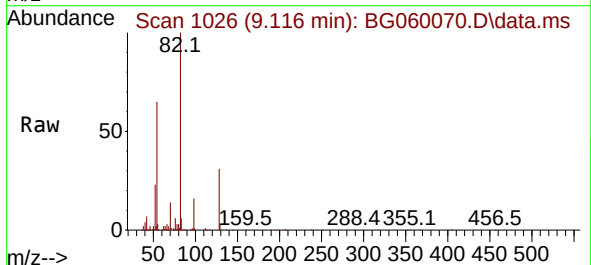


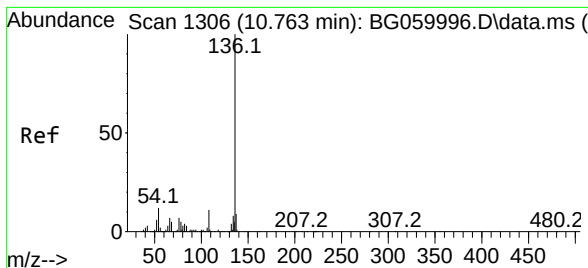
Tgt Ion: 99 Resp: 291124
Ion Ratio Lower Upper
99 100
42 24.5 16.2 24.4#
71 53.1 37.6 56.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.628 ng
RT: 9.116 min Scan# 1026
Delta R.T. 0.352 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Tgt Ion: 70 Resp: 44390
Ion Ratio Lower Upper
70 100
42 51.0 48.6 73.0
101 0.0 5.7 8.5#
130 1.0 13.6 20.4#

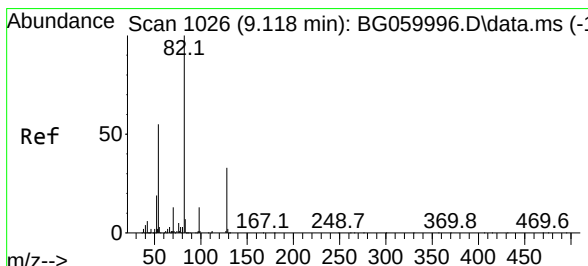
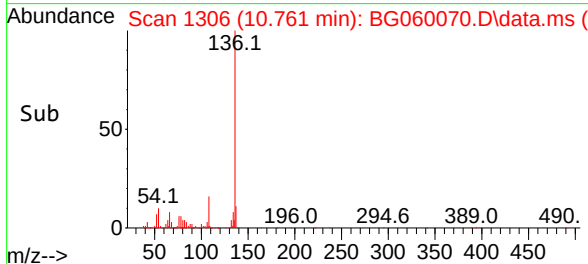
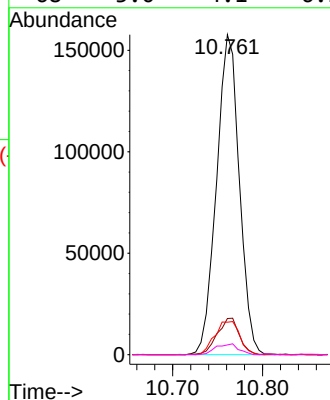
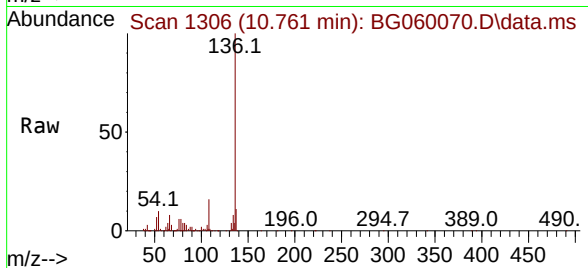




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.761 min Scan# 1306
Delta R.T. -0.000 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

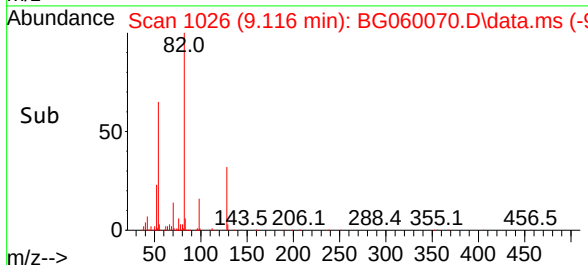
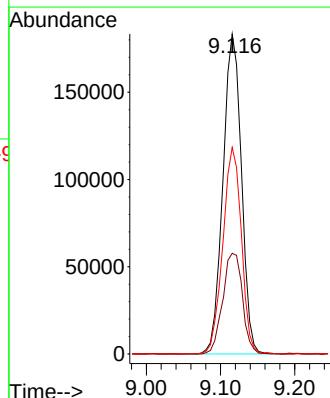
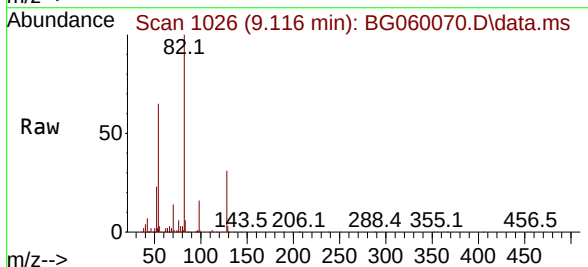
Instrument :
BNA_F
ClientSampleId :

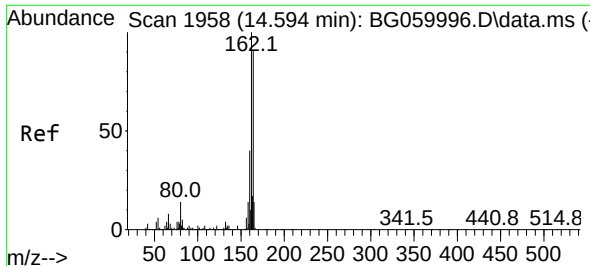
Tgt Ion:136 Resp: 277998
Ion Ratio Lower Upper
136 100
137 11.3 7.3 10.9#
54 10.2 9.6 14.4
68 3.0 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 51.795 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

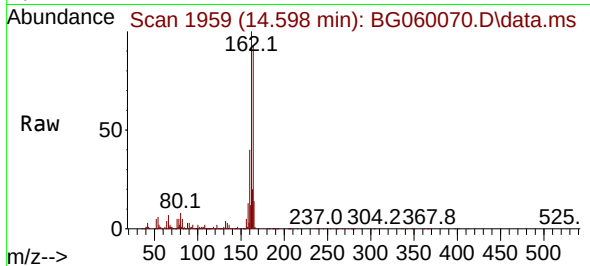
Tgt Ion: 82 Resp: 317101
Ion Ratio Lower Upper
82 100
128 31.5 26.3 39.5
54 64.5 44.3 66.5



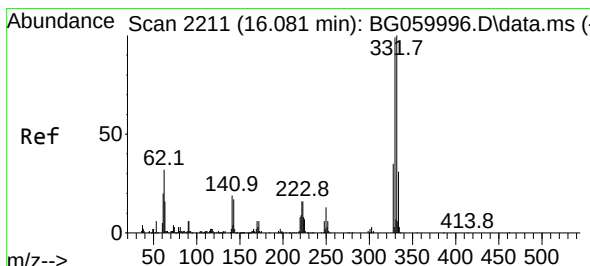
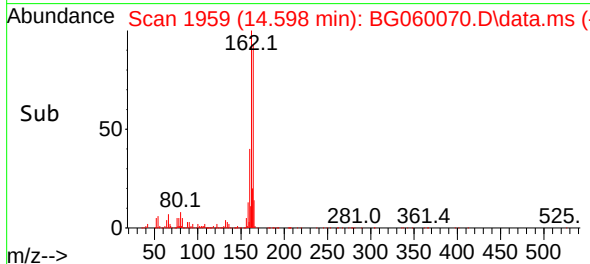
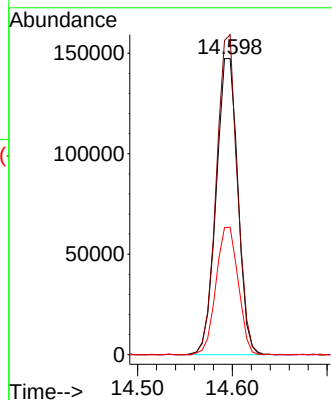


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Instrument :
BNA_F
ClientSampleId :

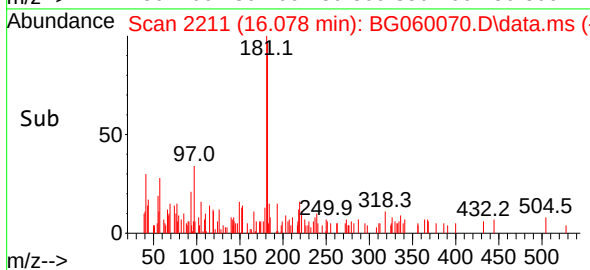
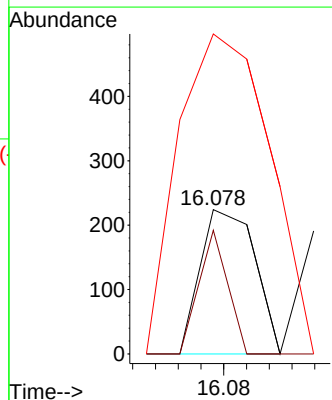
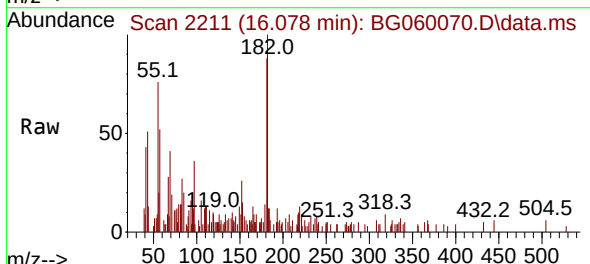


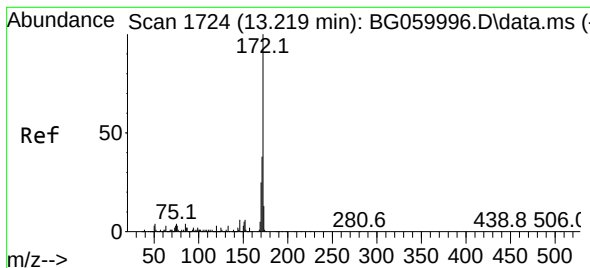
Tgt Ion:164 Resp: 234063
Ion Ratio Lower Upper
164 100
162 108.0 88.1 132.1
160 43.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 0.027 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

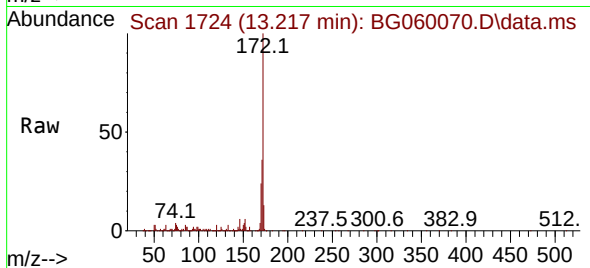
Tgt Ion:330 Resp: 150
Ion Ratio Lower Upper
330 100
332 45.3 76.2 114.4#
141 371.3 14.3 21.5#



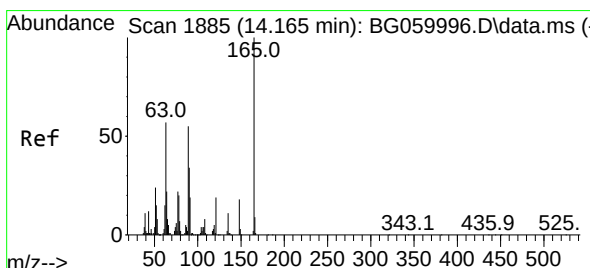
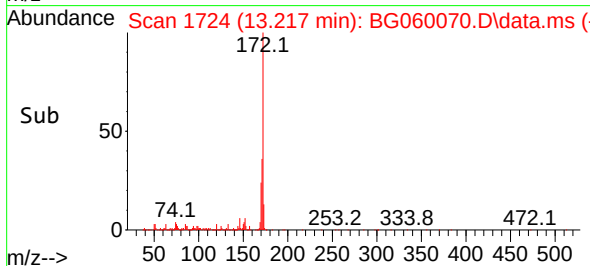
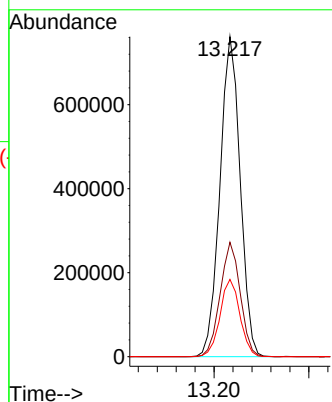


#45
2-Fluorobiphenyl
Concen: 59.112 ng
RT: 13.217 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Instrument :
BNA_F
ClientSampleId :

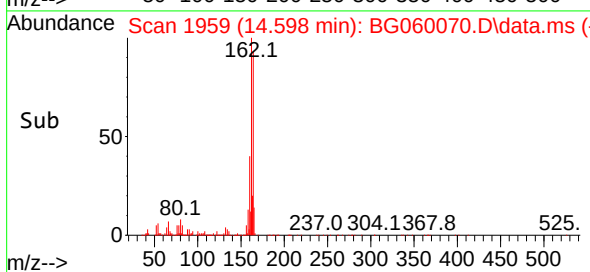
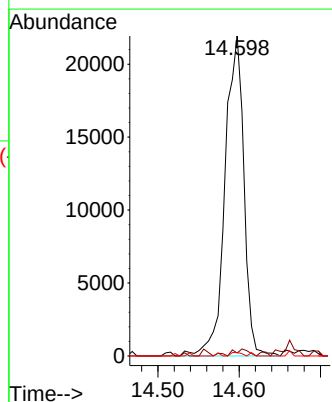
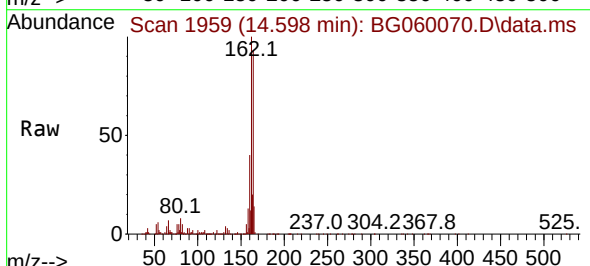


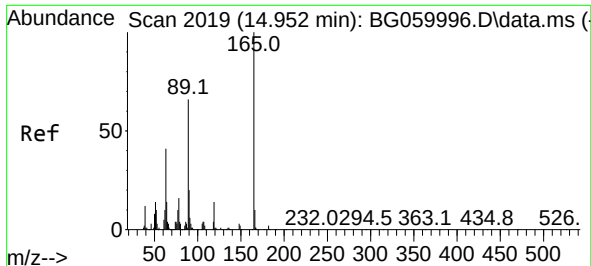
Tgt Ion:172 Resp: 1130480
Ion Ratio Lower Upper
172 100
171 35.7 30.1 45.1
170 24.2 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 9.449 ng
RT: 14.598 min Scan# 1959
Delta R.T. 0.429 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

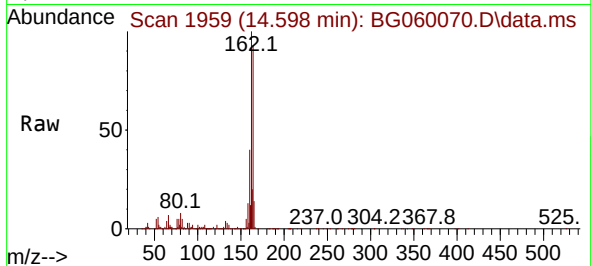
Tgt Ion:165 Resp: 35560
Ion Ratio Lower Upper
165 100
63 0.9 48.2 72.2#
89 1.1 44.4 66.6#



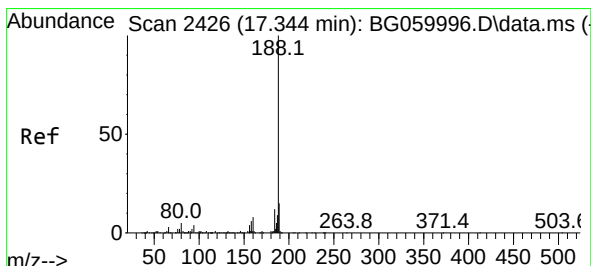
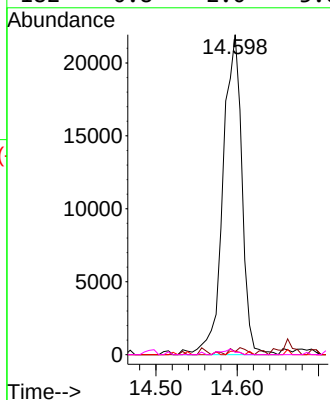
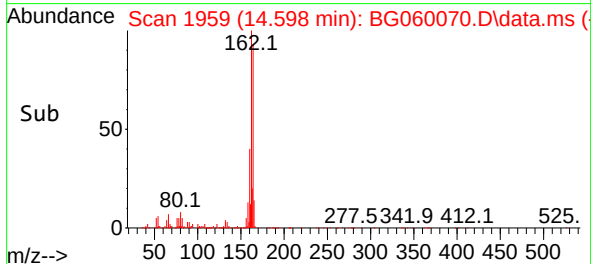


#57
2,4-Dinitrotoluene
Concen: 6.721 ng
RT: 14.598 min Scan# 1959
Delta R.T. -0.353 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Instrument :
BNA_F
ClientSampleId :

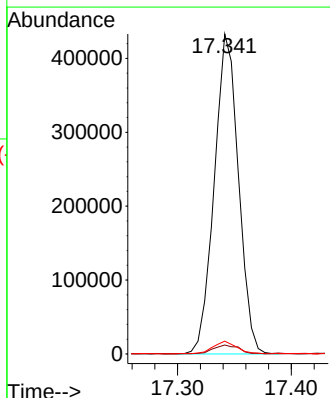
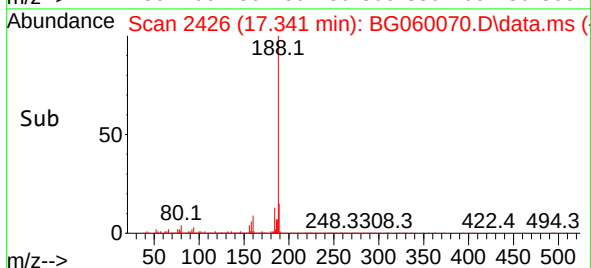
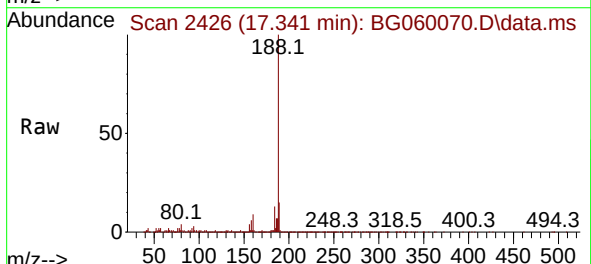


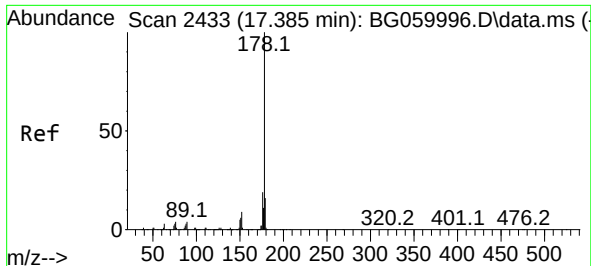
Tgt Ion:165 Resp: 35560
Ion Ratio Lower Upper
165 100
63 0.9 32.8 49.2#
89 1.1 53.0 79.6#
182 0.8 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.341 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Tgt Ion:188 Resp: 641091
Ion Ratio Lower Upper
188 100
94 2.8 3.0 4.6#
80 4.0 4.0 6.0

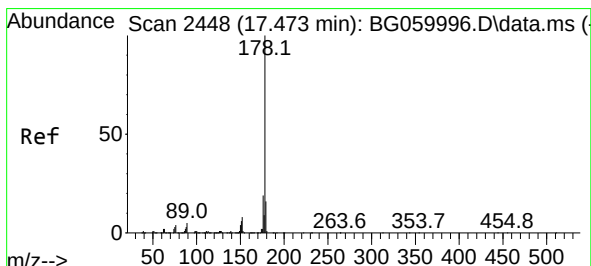
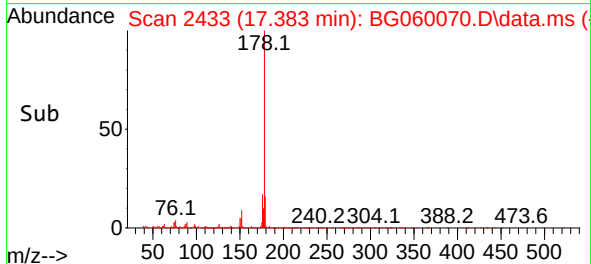
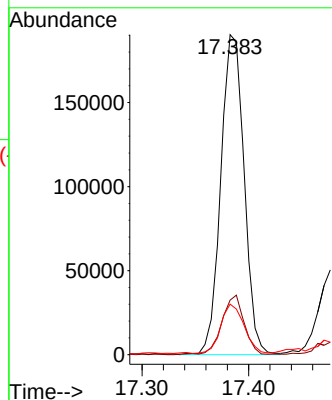
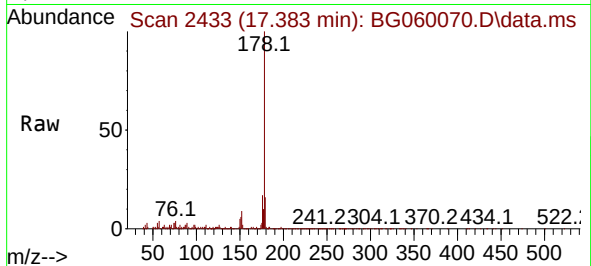




#71
Phenanthrene
Concen: 9.322 ng
RT: 17.383 min Scan# 2433
Delta R.T. -0.006 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

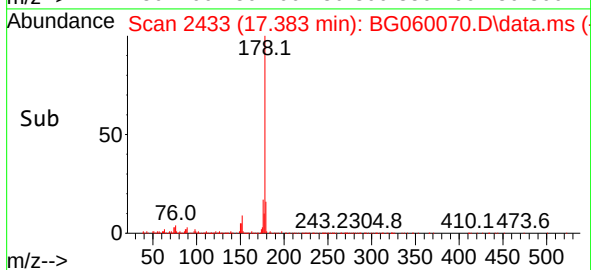
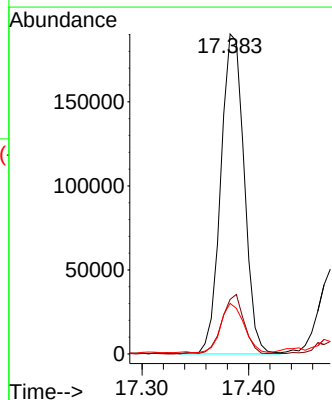
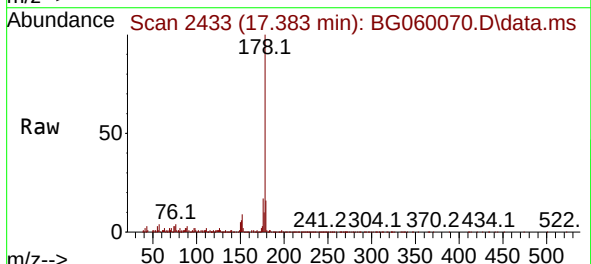
Instrument :
BNA_F
ClientSampleId :

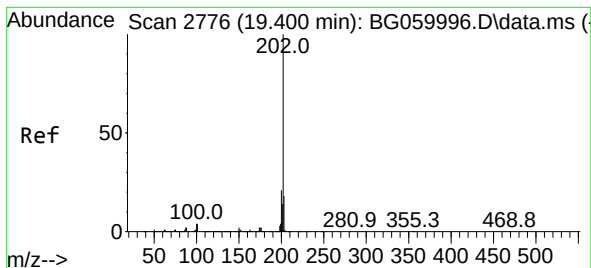
Tgt Ion:178 Resp: 289481
Ion Ratio Lower Upper
178 100
176 17.0 15.6 23.4
179 15.8 12.6 19.0



#72
Anthracene
Concen: 9.272 ng
RT: 17.383 min Scan# 2433
Delta R.T. -0.094 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Tgt Ion:178 Resp: 289481
Ion Ratio Lower Upper
178 100
176 17.0 15.0 22.6
179 15.8 12.6 19.0





#75

Fluoranthene

Concen: 9.297 ng

RT: 19.404 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG060070.D

Acq: 18 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

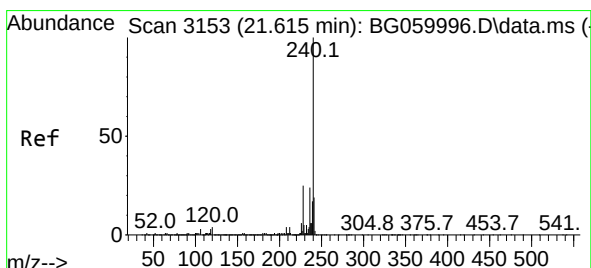
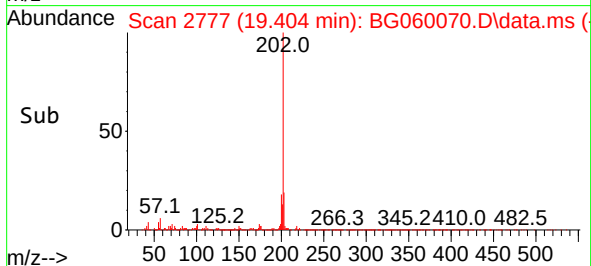
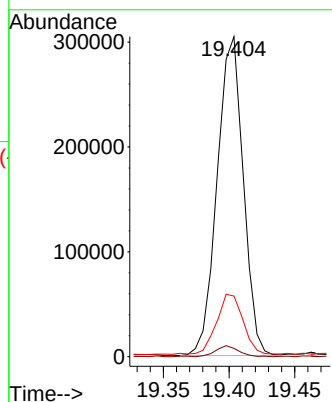
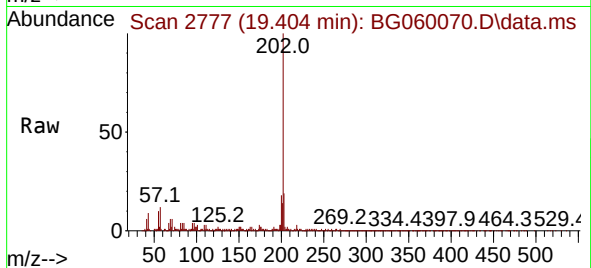
Tgt Ion:202 Resp: 421268

Ion Ratio Lower Upper

202 100

101 2.6 0.0 24.2

203 18.9 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.619 min Scan# 3154

Delta R.T. -0.000 min

Lab File: BG060070.D

Acq: 18 Dec 2023 17:33

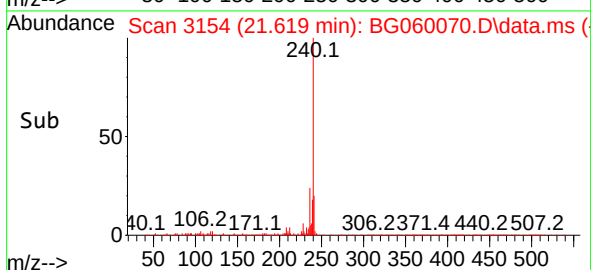
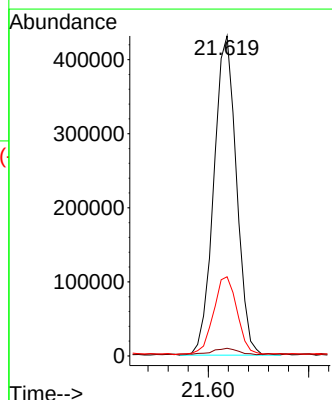
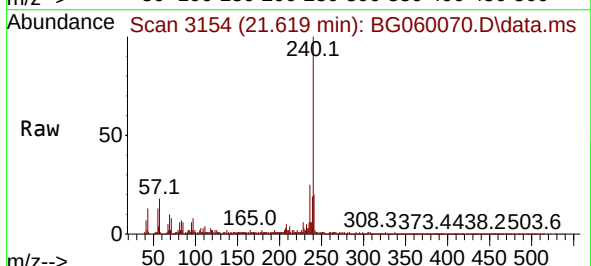
Tgt Ion:240 Resp: 675652

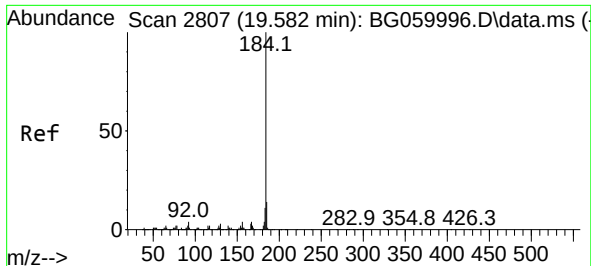
Ion Ratio Lower Upper

240 100

120 2.4 2.9 4.3#

236 24.7 19.4 29.2

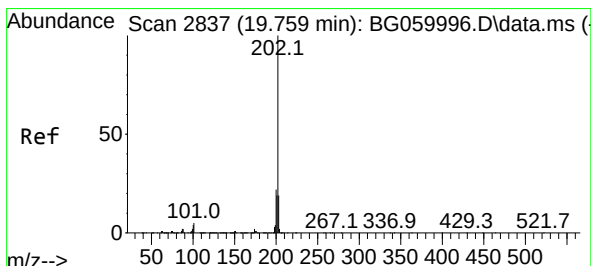
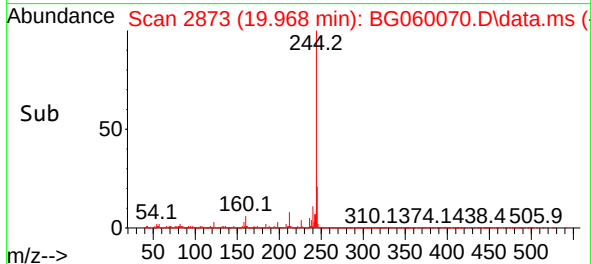
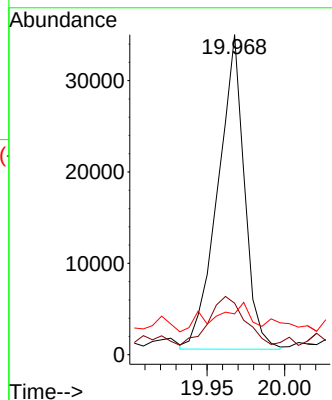
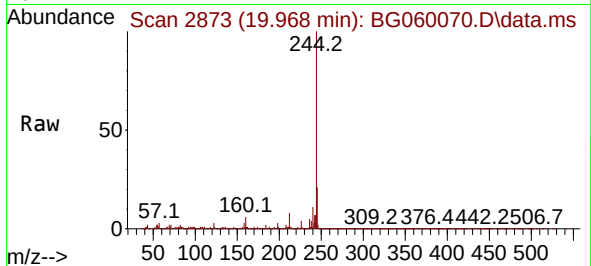




#77
Benzidine
Concen: 4.719 ng
RT: 19.968 min Scan# 2807
Delta R.T. 0.382 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

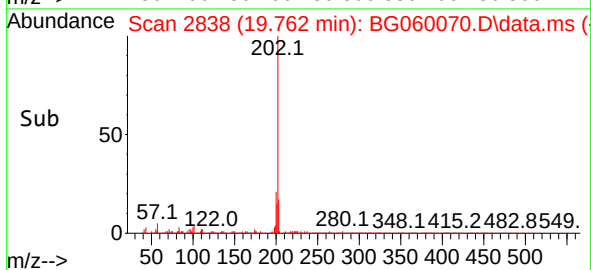
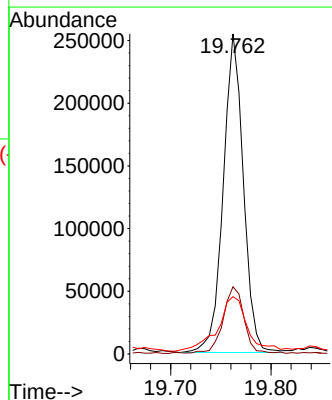
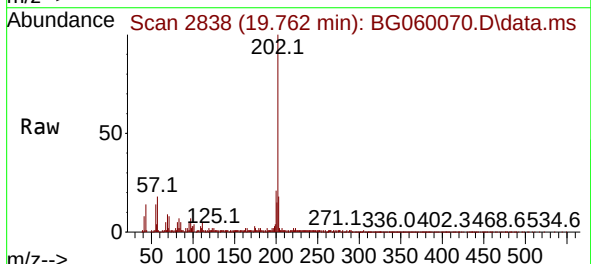
Instrument :
BNA_F
ClientSampleId :

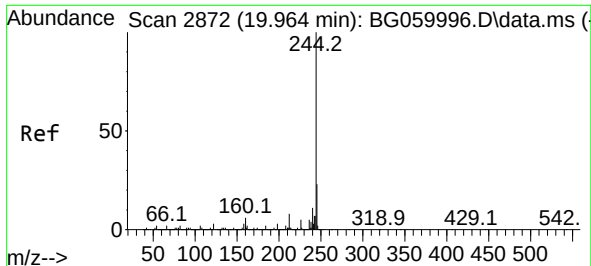
Tgt Ion:184 Resp: 40958
Ion Ratio Lower Upper
184 100
185 16.1 11.1 16.7
183 12.8 9.0 13.4



#78
Pyrene
Concen: 8.636 ng
RT: 19.762 min Scan# 2838
Delta R.T. -0.000 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Tgt Ion:202 Resp: 353703
Ion Ratio Lower Upper
202 100
200 21.0 17.6 26.4
203 17.9 14.9 22.3

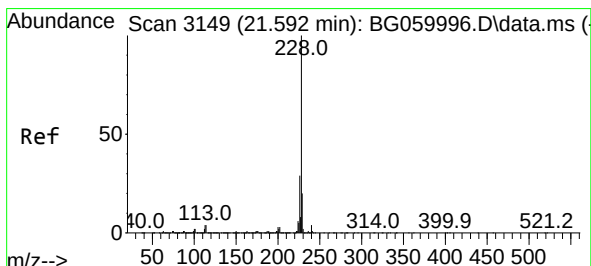
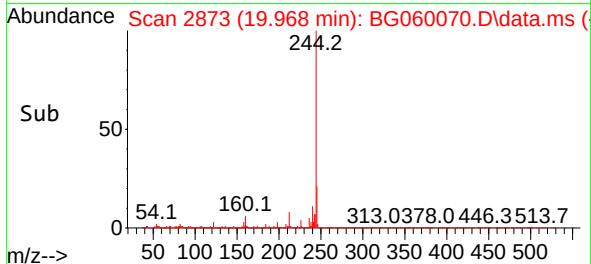
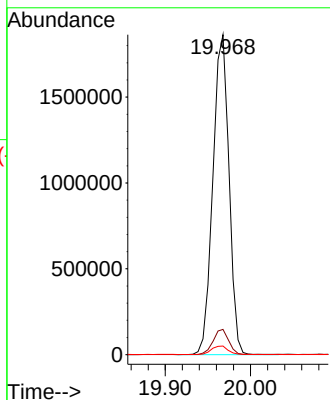
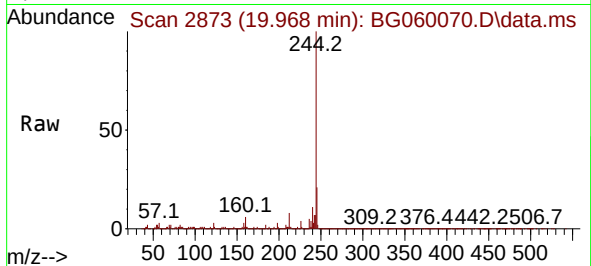




#79
 Terphenyl-d14
 Concen: 66.186 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG060070.D
 Acq: 18 Dec 2023 17:33

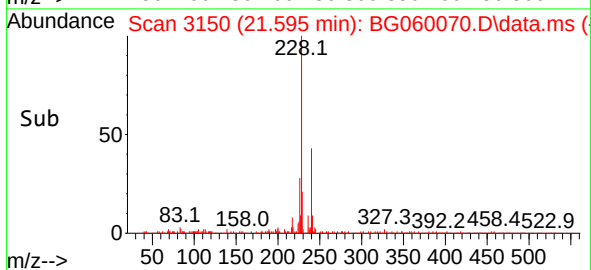
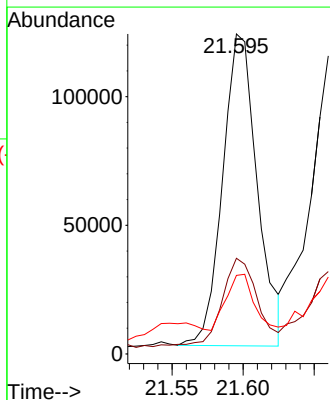
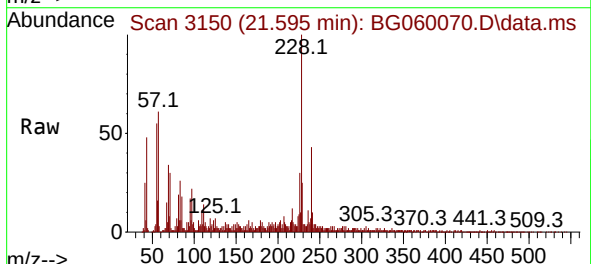
Instrument :
 BNA_F
 ClientSampleId :

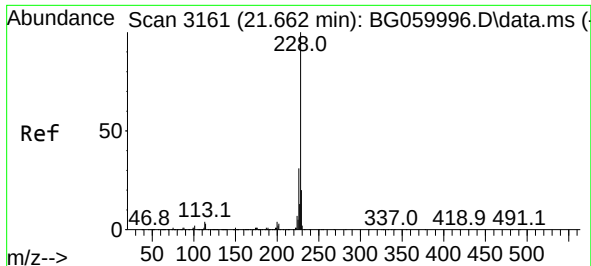
Tgt Ion:244 Resp: 2449369
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.8 10.2
 122 2.7 2.6 3.8



#81
 Benzo(a)anthracene
 Concen: 4.536 ng
 RT: 21.595 min Scan# 3150
 Delta R.T. -0.006 min
 Lab File: BG060070.D
 Acq: 18 Dec 2023 17:33

Tgt Ion:228 Resp: 205857
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.9 34.3
 229 24.5 16.2 24.2#

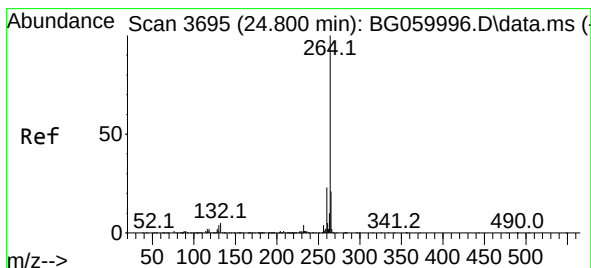
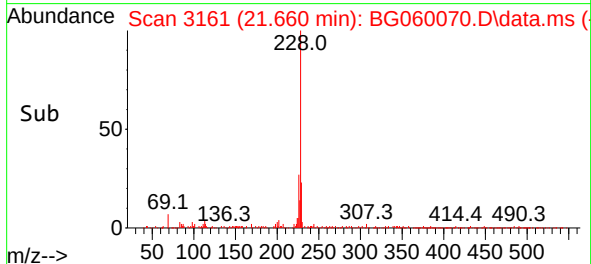
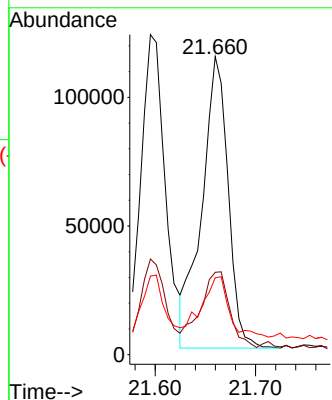
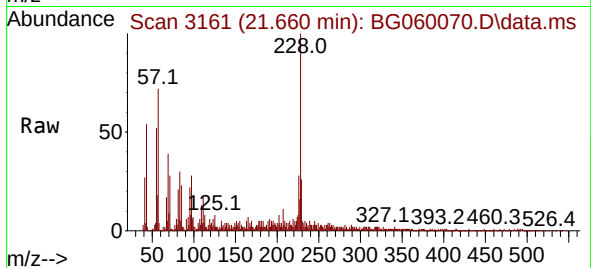




#83
Chrysene
Concen: 4.815 ng
RT: 21.660 min Scan# 3161
Delta R.T. -0.006 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

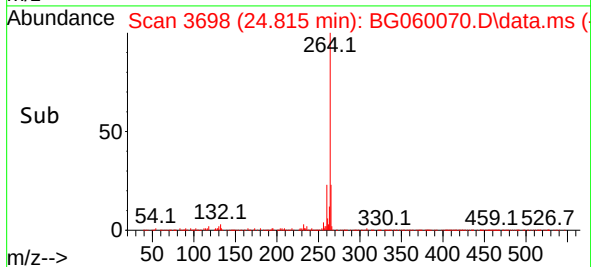
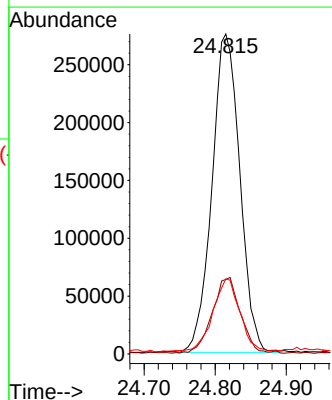
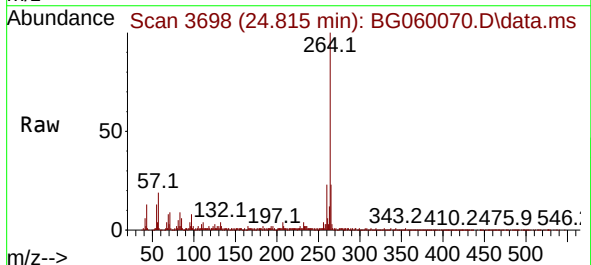
Instrument :
BNA_F
ClientSampleId :

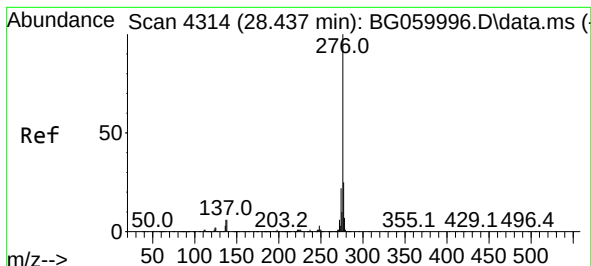
Tgt Ion:228 Resp: 207023
Ion Ratio Lower Upper
228 100
226 27.6 25.0 37.6
229 25.8 16.2 24.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.815 min Scan# 3698
Delta R.T. -0.000 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Tgt Ion:264 Resp: 748988
Ion Ratio Lower Upper
264 100
260 23.3 18.5 27.7
265 23.4 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.336 ng

RT: 28.452 min Scan# 41

Delta R.T. -0.006 min

Lab File: BG060070.D

Acq: 18 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

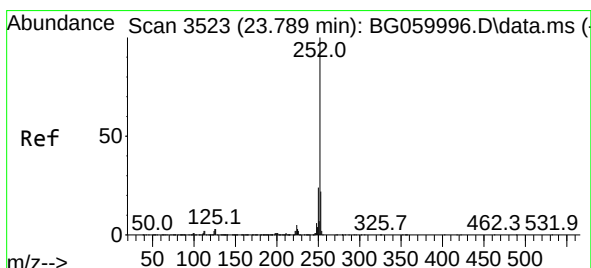
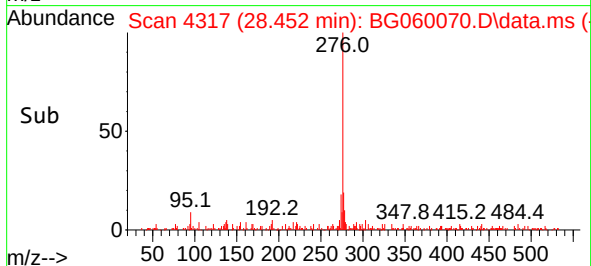
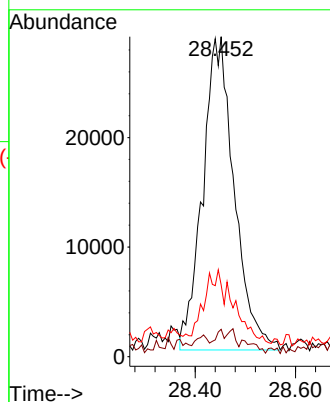
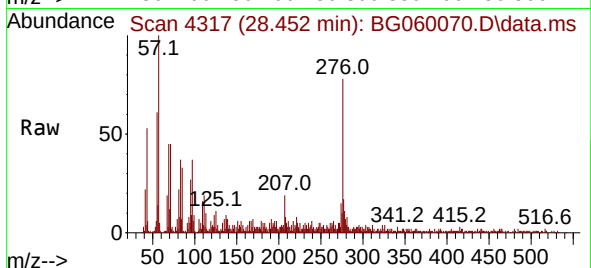
Tgt Ion:276 Resp: 124847

Ion Ratio Lower Upper

276 100

138 1.6 4.7 7.1#

277 11.3 20.0 30.0#



#88

Benzo(b)fluoranthene

Concen: 5.190 ng

RT: 23.799 min Scan# 3525

Delta R.T. -0.000 min

Lab File: BG060070.D

Acq: 18 Dec 2023 17:33

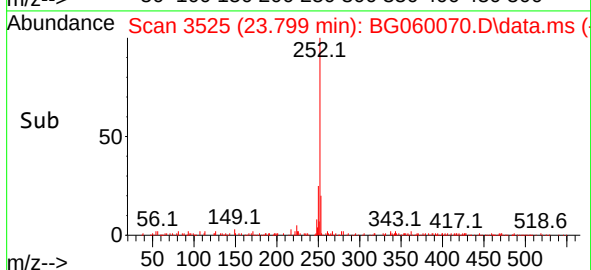
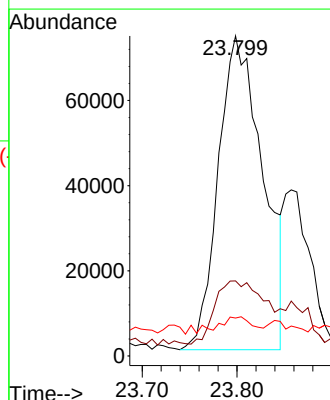
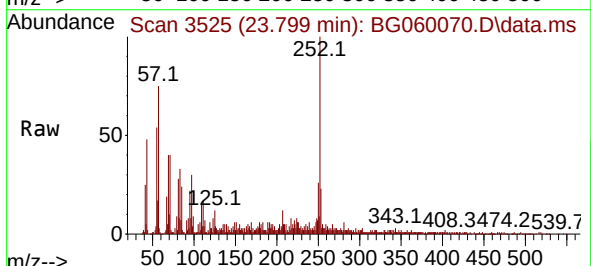
Tgt Ion:252 Resp: 240088

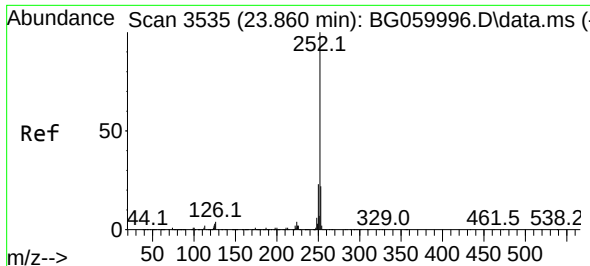
Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.2

125 11.9 2.6 4.0#

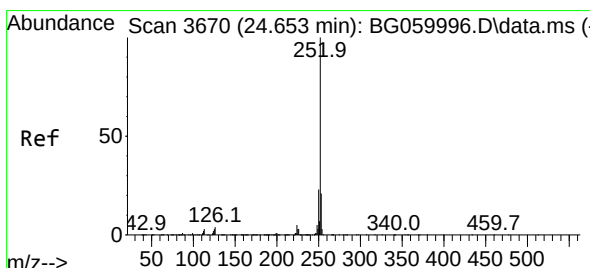
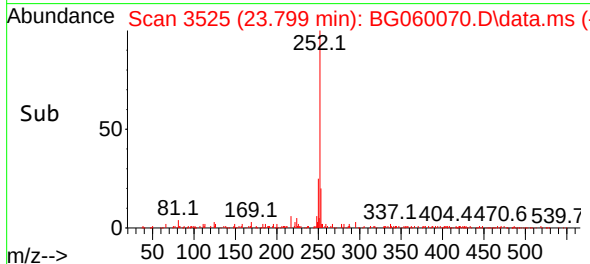
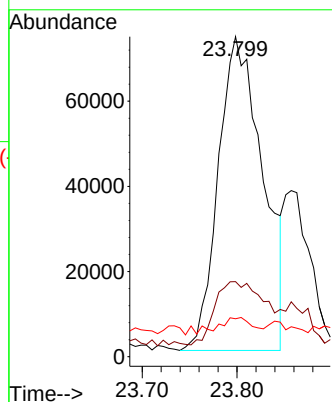
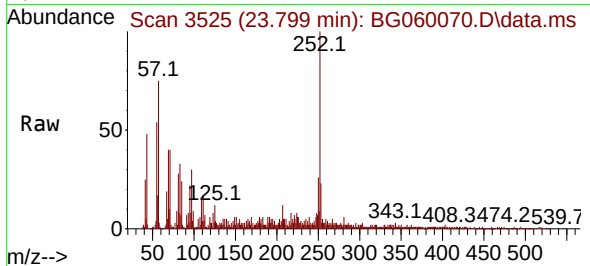




#89
Benzo(k)fluoranthene
Concen: 5.351 ng
RT: 23.799 min Scan# 31
Delta R.T. -0.071 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

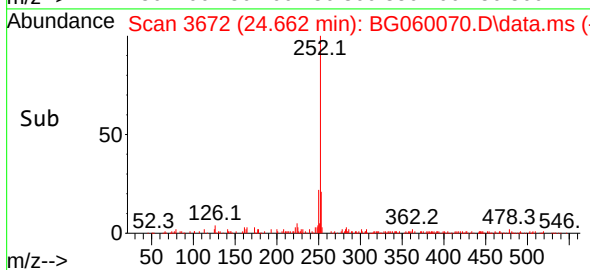
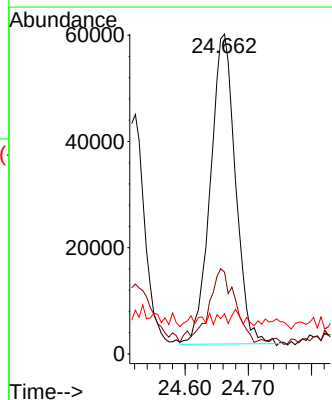
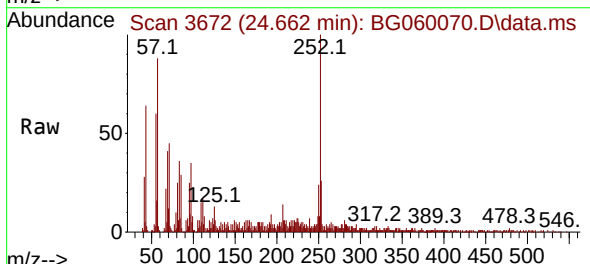
Instrument :
BNA_F
ClientSampleId :

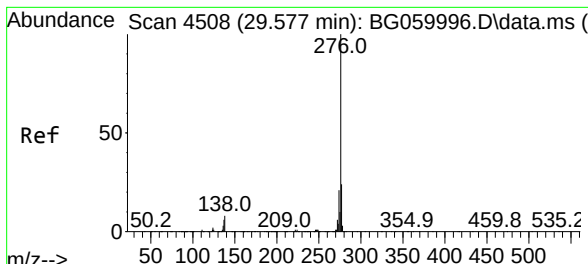
Tgt Ion:252 Resp: 240088
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 11.9 2.5 3.7#



#90
Benzo(a)pyrene
Concen: 3.904 ng
RT: 24.662 min Scan# 3672
Delta R.T. -0.000 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

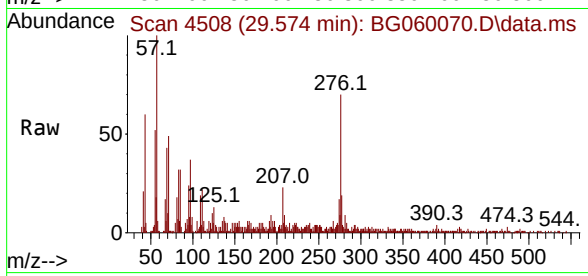
Tgt Ion:252 Resp: 159998
Ion Ratio Lower Upper
252 100
253 25.6 17.1 25.7
125 12.6 2.6 4.0#





#92
Benzo(g,h,i)perylene
Concen: 2.392 ng
RT: 29.574 min Scan# 41
Delta R.T. -0.024 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:276 Resp: 106333

Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.4	29.2
138	9.1	6.0	9.0#

