

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060112.D
 Acq On : 20 Dec 2023 23:55
 Operator : MA/JU
 Sample : 05827-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-09-10.5-11.5

Quant Time: Dec 21 02:43:29 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)

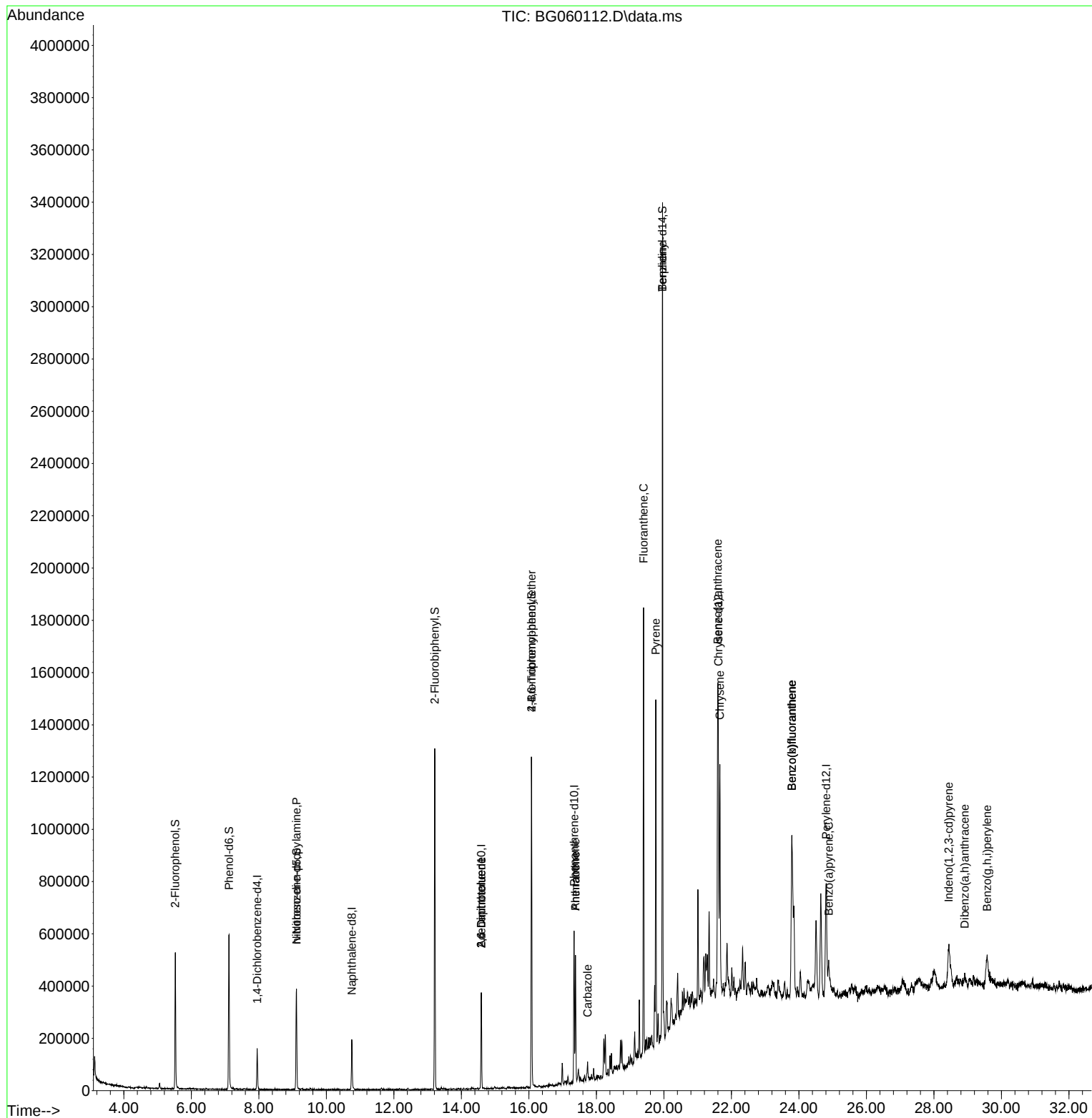
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	38323	20.000	ng	0.00
21) Naphthalene-d8	10.753	136	130102	20.000	ng	# 0.00
39) Acenaphthene-d10	14.590	164	131872	20.000	ng	0.00
64) Phenanthrene-d10	17.340	188	392933	20.000	ng	# 0.00
76) Chrysene-d12	21.611	240	497614	20.000	ng	# 0.00
86) Perylene-d12	24.807	264	588034	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.524	112	154252	68.903	ng	0.00
7) Phenol-d6	7.116	99	255216	81.045	ng	0.00
23) Nitrobenzene-d5	9.114	82	220280	76.882	ng	0.00
42) 2,4,6-Tribromophenol	16.076	330	318302	103.573	ng	0.00
45) 2-Fluorobiphenyl	13.209	172	713424	66.212	ng	0.00
79) Terphenyl-d14	19.960	244	1745756	64.051	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.114	70	34911	17.183	ng	# 78
51) 2,6-Dinitrotoluene	14.590	165	18286	8.624	ng	# 24
57) 2,4-Dinitrotoluene	14.590	165	18286	6.135	ng	# 27
67) 4-Bromophenyl-phenylether	16.076	248	20242	3.651	ng	# 1
69) Atrazine	16.723	200	105	Below Cal		77
71) Phenanthrene	17.381	178	328011	17.234	ng	96
72) Anthracene	17.381	178	328011	17.141	ng	97
73) Carbazole	17.739	167	42698	2.626	ng	98
75) Fluoranthene	19.396	202	1173964	42.269	ng	97
77) Benzidine	19.960	184	29193	4.567	ng	# 90
78) Pyrene	19.760	202	919677	30.489	ng	98
81) Benzo(a)anthracene	21.593	228	765194	22.892	ng	98
83) Chrysene	21.658	228	670364	21.169	ng	97
87) Indeno(1,2,3-cd)pyrene	28.438	276	359607	8.569	ng	# 95
88) Benzo(b)fluoranthene	23.791	252	868175	23.906	ng	# 97
89) Benzo(k)fluoranthene	23.791	252	868175	24.646	ng	# 98
90) Benzo(a)pyrene	24.884	252	120449	3.743	ng	94
91) Dibenzo(a,h)anthracene	28.914	278	77679	2.214	ng	99
92) Benzo(g,h,i)perylene	29.572	276	300676	8.614	ng	# 97

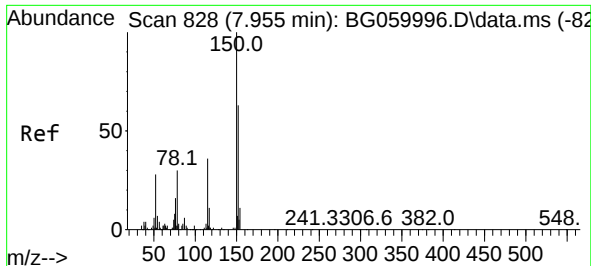
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
Data File : BG060112.D
Acq On : 20 Dec 2023 23:55
Operator : MA/JU
Sample : 05827-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5

Quant Time: Dec 21 02:43:29 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

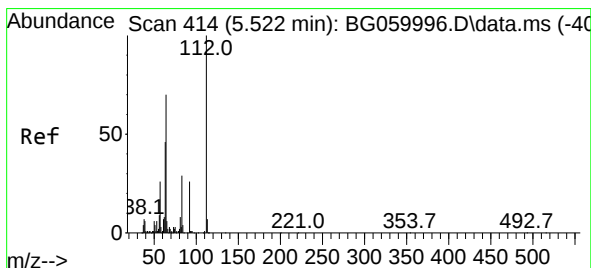
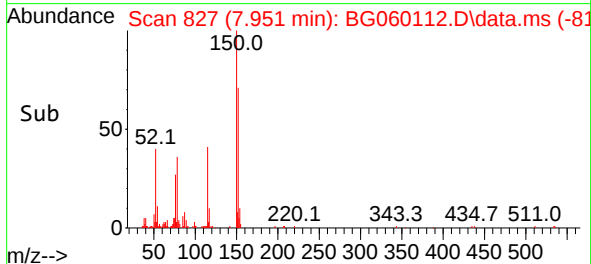
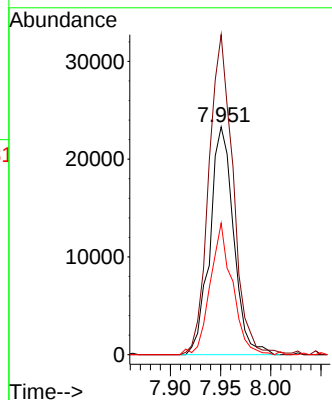
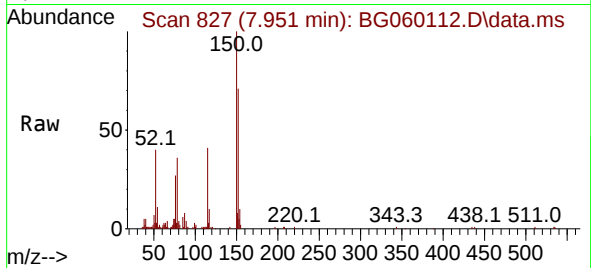




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.951 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

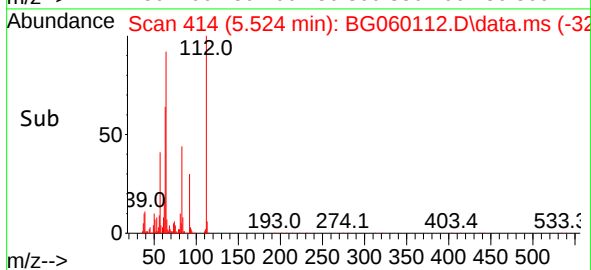
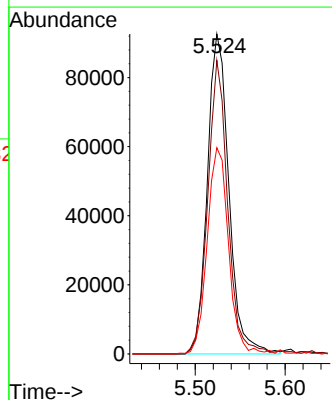
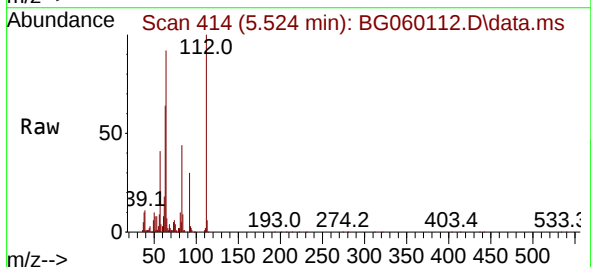
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5

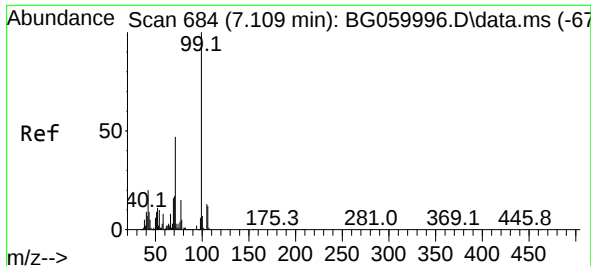
Tgt Ion:152 Resp: 38323
Ion Ratio Lower Upper
152 100
150 140.4 127.0 190.6
115 57.7 45.7 68.5



#5
2-Fluorophenol
Concen: 68.903 ng
RT: 5.524 min Scan# 414
Delta R.T. -0.002 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

Tgt Ion:112 Resp: 154252
Ion Ratio Lower Upper
112 100
64 91.8 55.9 83.9#
63 64.5 36.5 54.7#

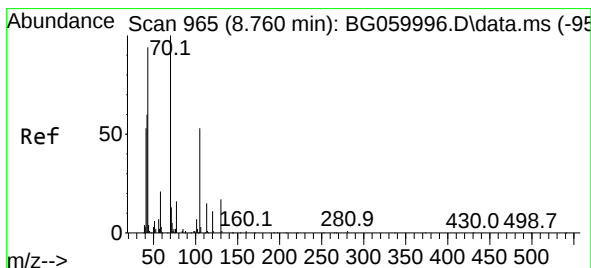
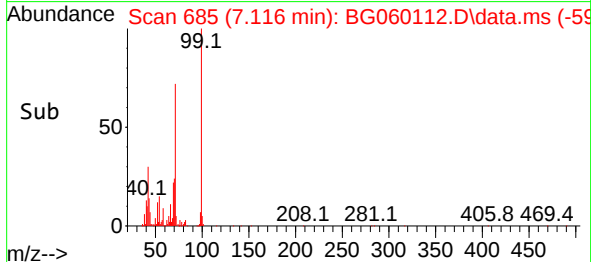
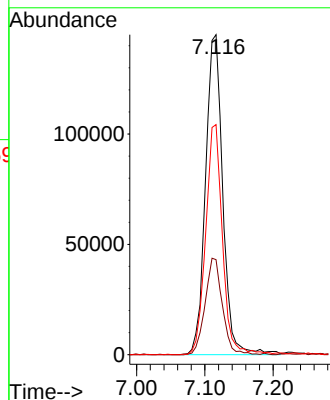
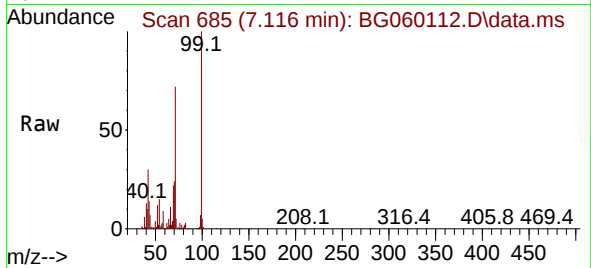




#7
Phenol-d6
Concen: 81.045 ng
RT: 7.116 min Scan# 60
Delta R.T. 0.004 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

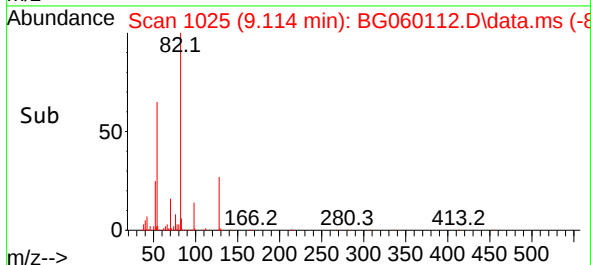
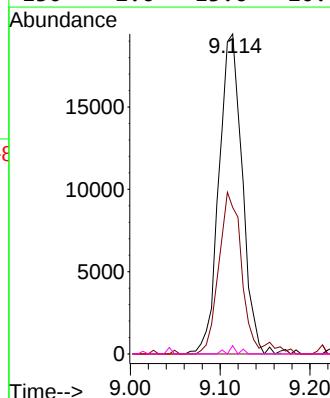
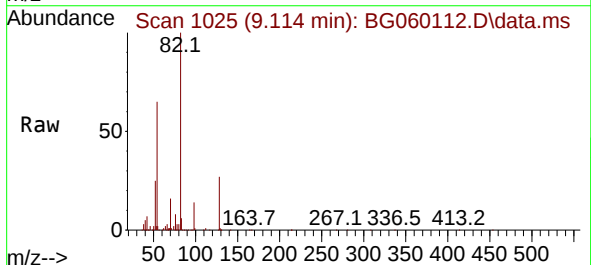
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5

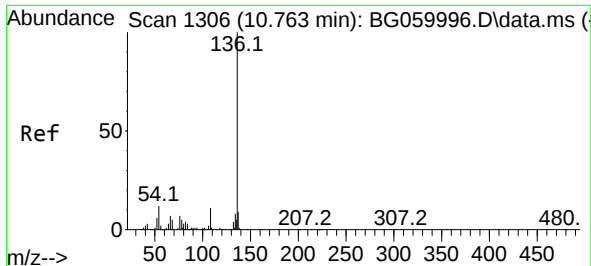
Tgt Ion: 99 Resp: 255216
Ion Ratio Lower Upper
99 100
42 29.7 16.2 24.4#
71 71.9 37.6 56.4#



#19
n-Nitroso-di-n-propylamine
Concen: 17.183 ng
RT: 9.114 min Scan# 1025
Delta R.T. 0.350 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

Tgt Ion: 70 Resp: 34911
Ion Ratio Lower Upper
70 100
42 45.8 48.6 73.0#
101 0.0 5.7 8.5#
130 2.6 13.6 20.4#

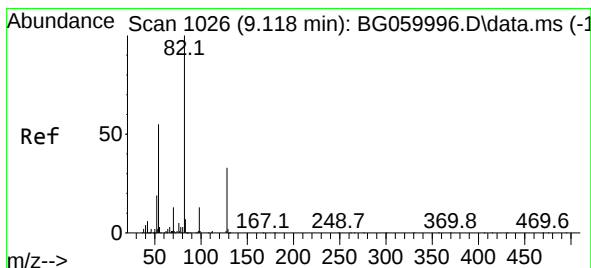
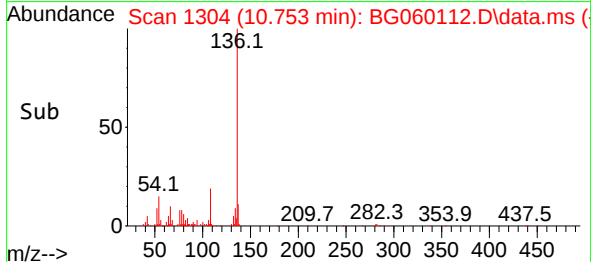
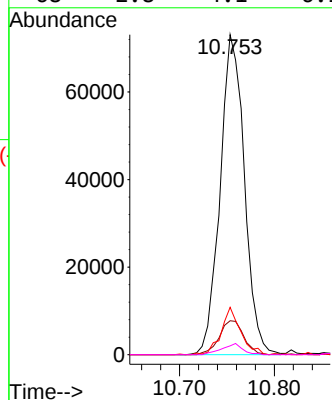
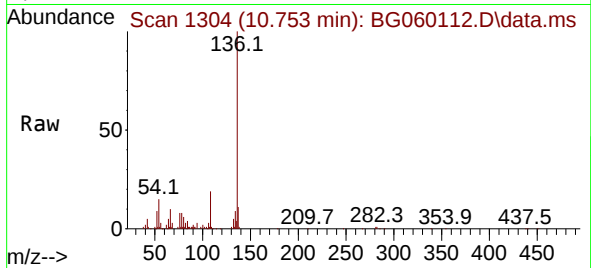




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.753 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

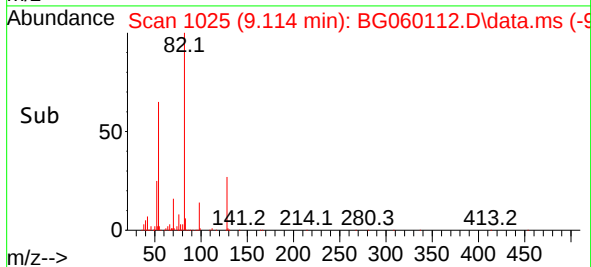
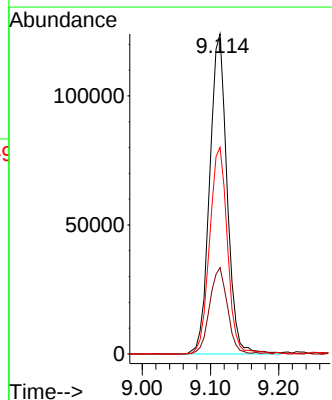
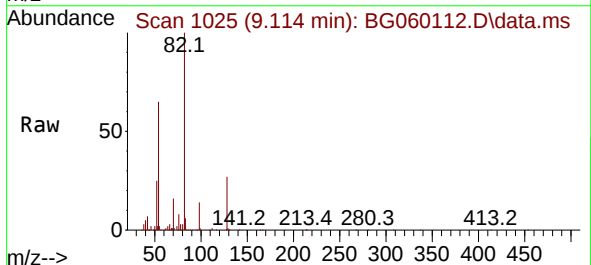
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5

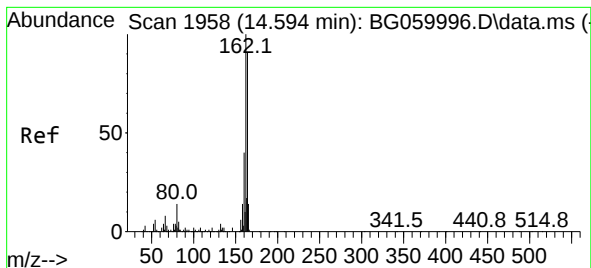
Tgt Ion:	136	Resp:	130102
Ion Ratio	Lower	Upper	
136	100		
137	10.6	7.3	10.9
54	14.8	9.6	14.4#
68	2.8	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 76.882 ng
RT: 9.114 min Scan# 1025
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

Tgt Ion:	82	Resp:	220280
Ion Ratio	Lower	Upper	
82	100		
128	27.0	26.3	39.5
54	64.6	44.3	66.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.590 min Scan# 1958

Delta R.T. -0.008 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

Instrument :

BNA_G

ClientSampleId :

RT-SB-09-10.5-11.5

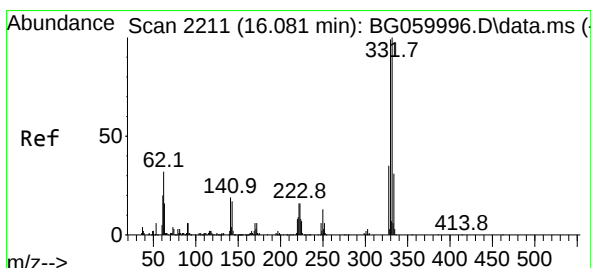
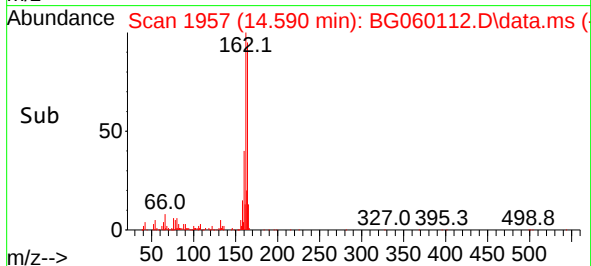
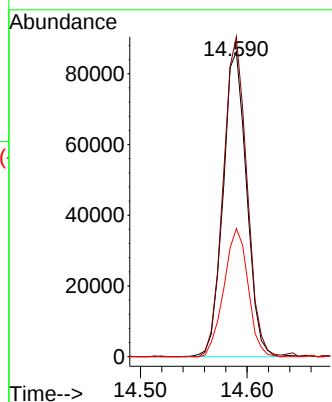
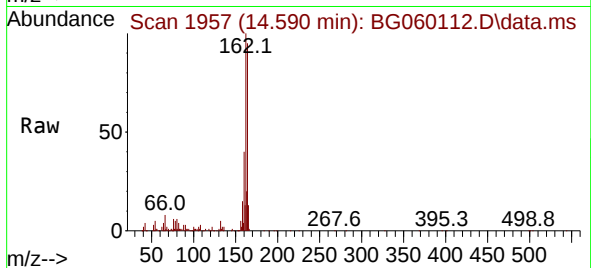
Tgt Ion:164 Resp: 131872

Ion Ratio Lower Upper

164 100

162 104.8 88.1 132.1

160 42.0 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 103.573 ng

RT: 16.076 min Scan# 2210

Delta R.T. -0.008 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

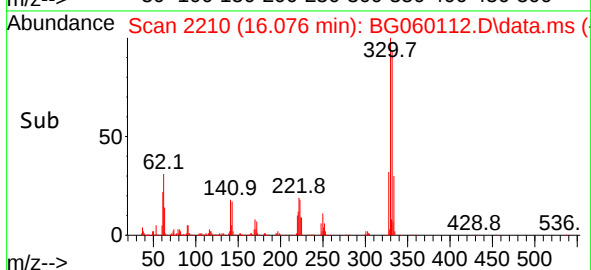
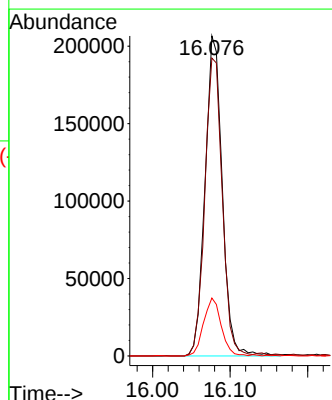
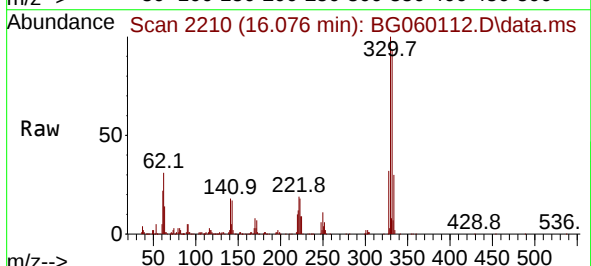
Tgt Ion:330 Resp: 318302

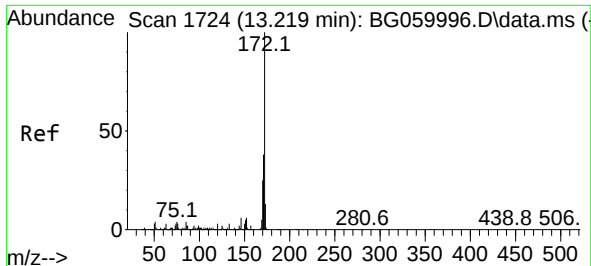
Ion Ratio Lower Upper

330 100

332 94.4 76.2 114.4

141 18.6 14.3 21.5

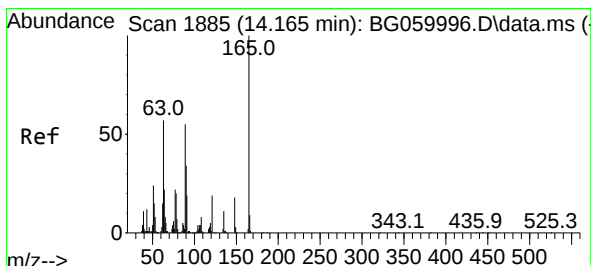
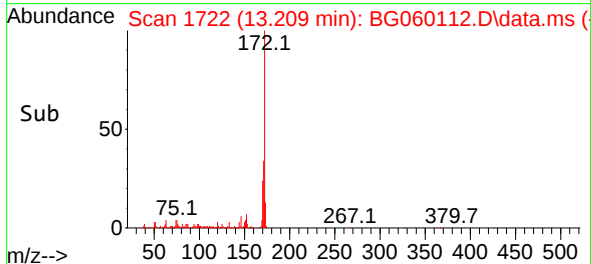
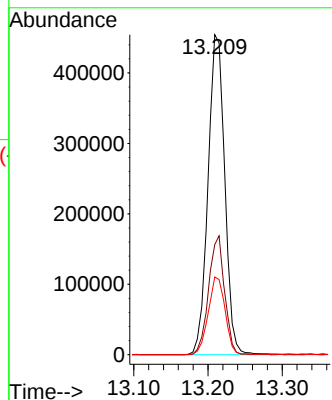
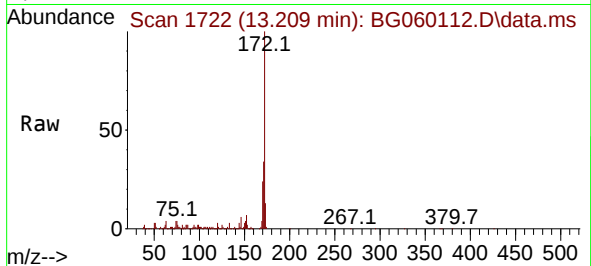




#45
2-Fluorobiphenyl
Concen: 66.212 ng
RT: 13.209 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

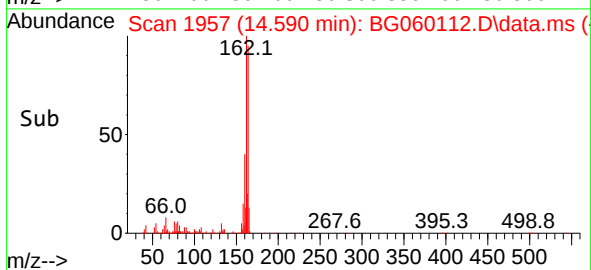
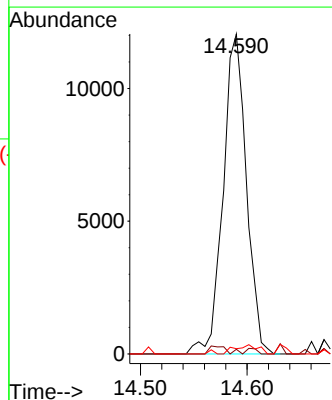
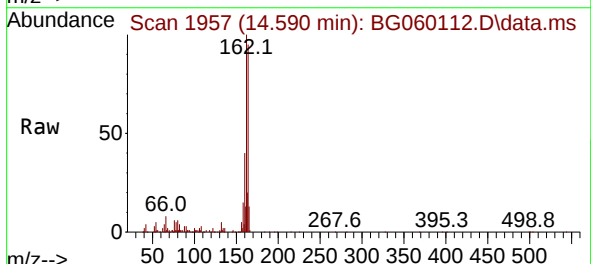
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5

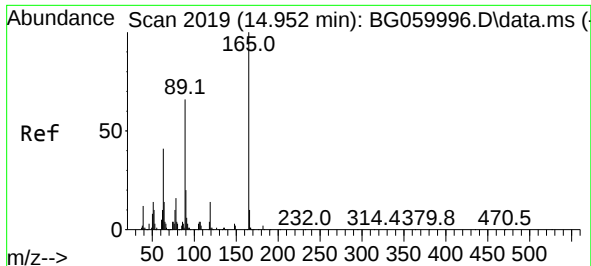
Tgt Ion:172 Resp: 713424
Ion Ratio Lower Upper
172 100
171 34.4 30.1 45.1
170 24.3 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 8.624 ng
RT: 14.590 min Scan# 1957
Delta R.T. 0.421 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

Tgt Ion:165 Resp: 18286
Ion Ratio Lower Upper
165 100
63 1.4 48.2 72.2#
89 1.6 44.4 66.6#





#57

2,4-Dinitrotoluene

Concen: 6.135 ng

RT: 14.590 min Scan# 1957

Delta R.T. -0.361 min

Lab File: BG060112.D

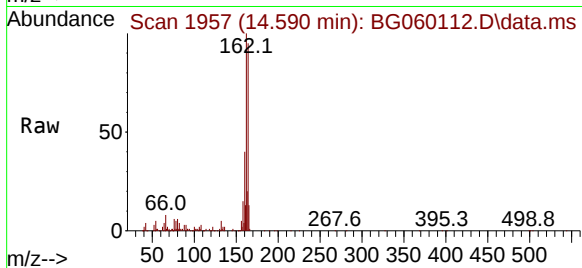
Acq: 20 Dec 2023 23:55

Instrument :

BNA_G

ClientSampleId :

RT-SB-09-10.5-11.5



Tgt Ion:165 Resp: 18286

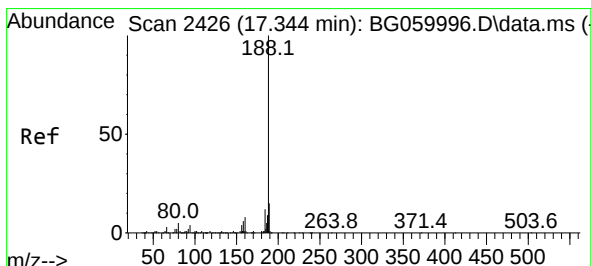
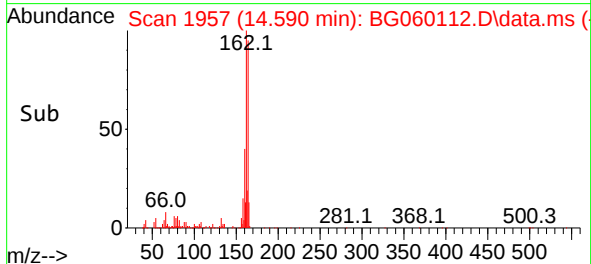
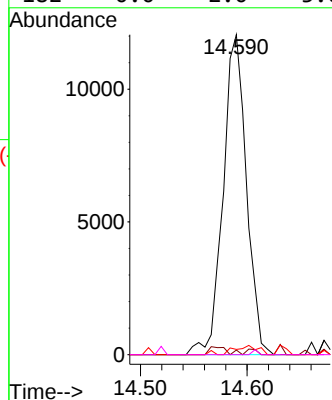
Ion Ratio Lower Upper

165 100

63 1.4 32.8 49.2#

89 1.6 53.0 79.6#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.340 min Scan# 2425

Delta R.T. -0.008 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

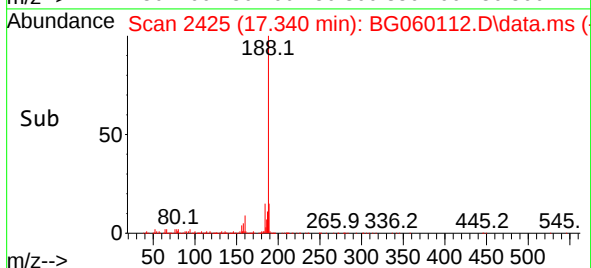
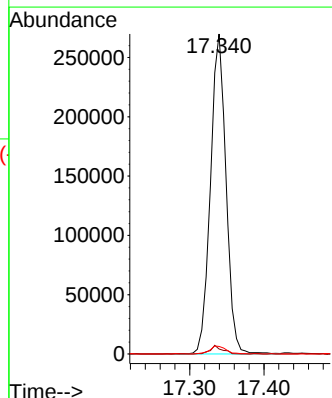
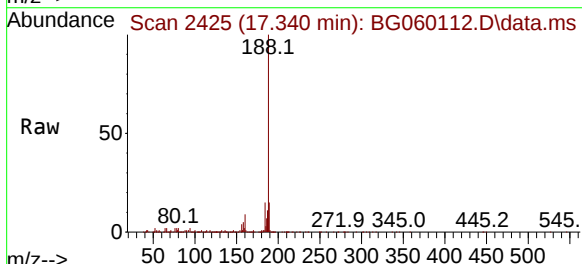
Tgt Ion:188 Resp: 392933

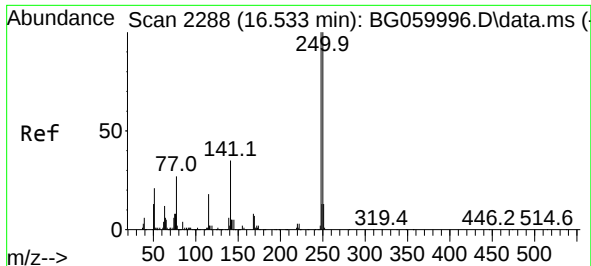
Ion Ratio Lower Upper

188 100

94 1.5 3.0 4.6#

80 2.3 4.0 6.0#

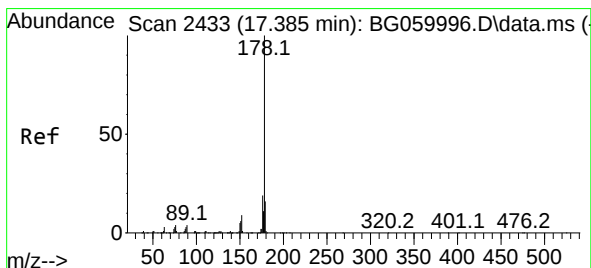
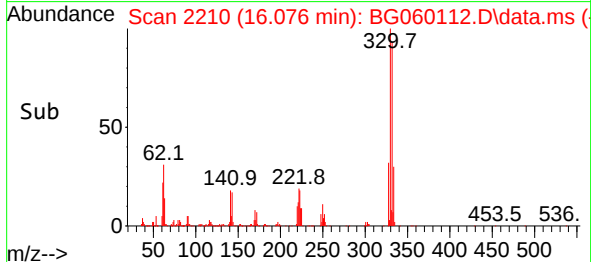
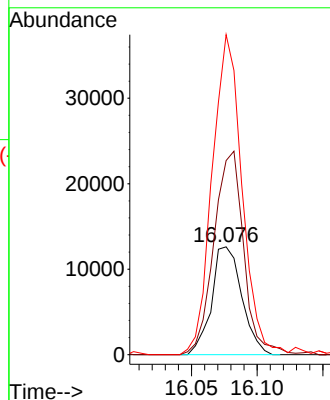
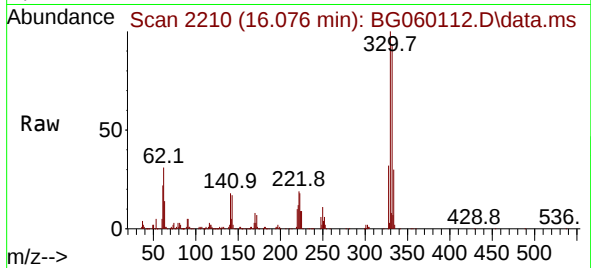




#67
4-Bromophenyl-phenylether
Concen: 3.651 ng
RT: 16.076 min Scan# 21
Delta R.T. -0.460 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

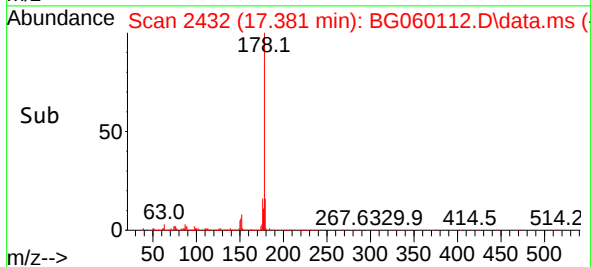
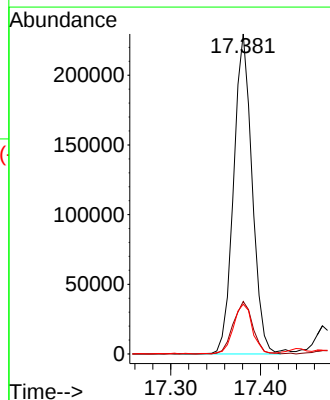
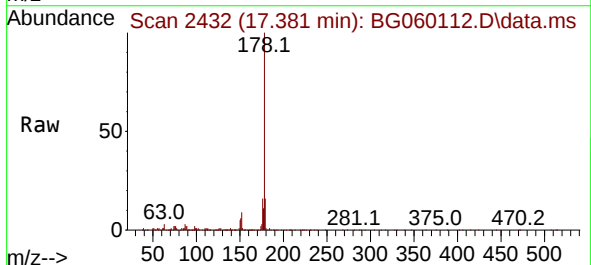
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5

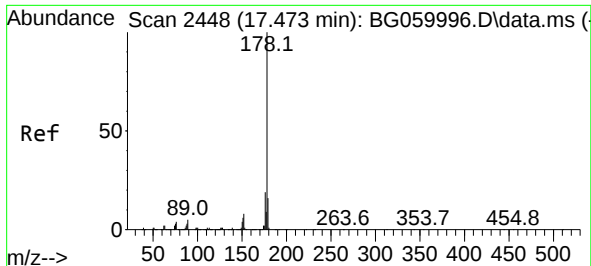
Tgt Ion:248 Resp: 20242
Ion Ratio Lower Upper
248 100
250 180.0 79.9 119.9#
141 296.8 28.3 42.5#



#71
Phenanthrene
Concen: 17.234 ng
RT: 17.381 min Scan# 2432
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

Tgt Ion:178 Resp: 328011
Ion Ratio Lower Upper
178 100
176 16.4 15.6 23.4
179 15.5 12.6 19.0

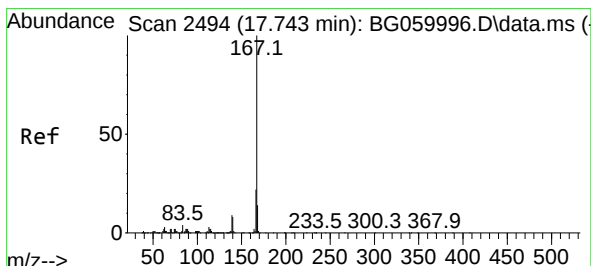
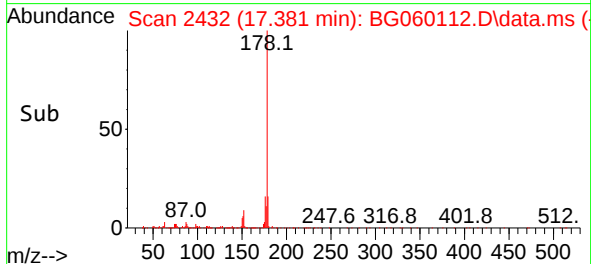
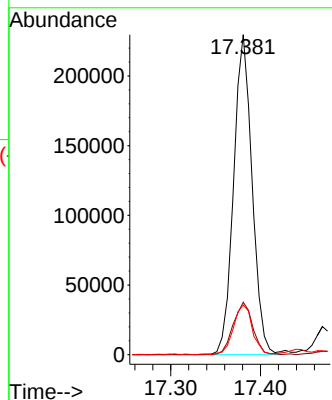
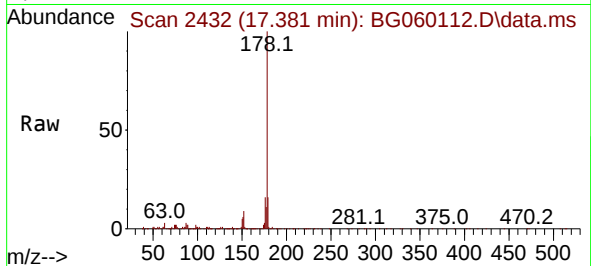




#72
 Anthracene
 Concen: 17.141 ng
 RT: 17.381 min Scan# 2448
 Delta R.T. -0.096 min
 Lab File: BG060112.D
 Acq: 20 Dec 2023 23:55

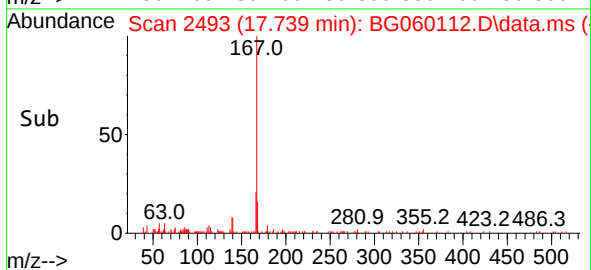
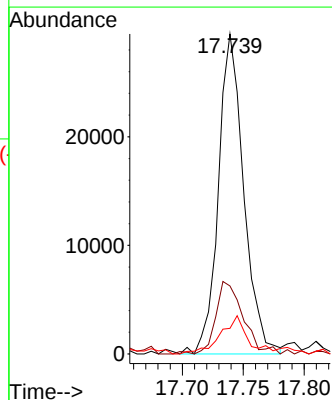
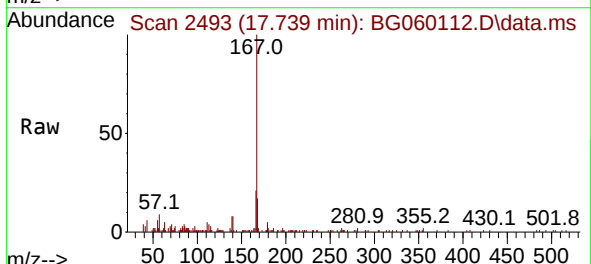
Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-09-10.5-11.5

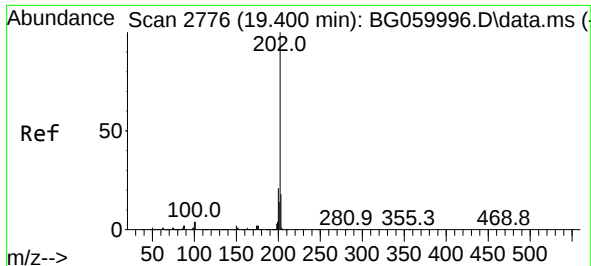
Tgt Ion:178 Resp: 328011
 Ion Ratio Lower Upper
 178 100
 176 16.4 15.0 22.6
 179 15.5 12.6 19.0



#73
 Carbazole
 Concen: 2.626 ng
 RT: 17.739 min Scan# 2493
 Delta R.T. -0.008 min
 Lab File: BG060112.D
 Acq: 20 Dec 2023 23:55

Tgt Ion:167 Resp: 42698
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.0
 139 8.0 7.5 11.3

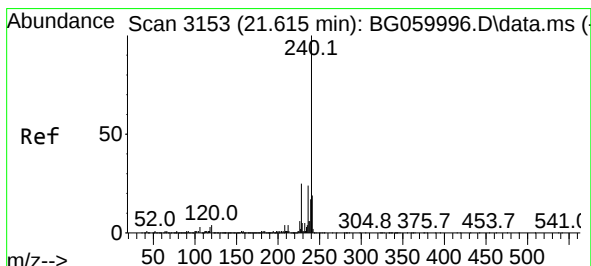
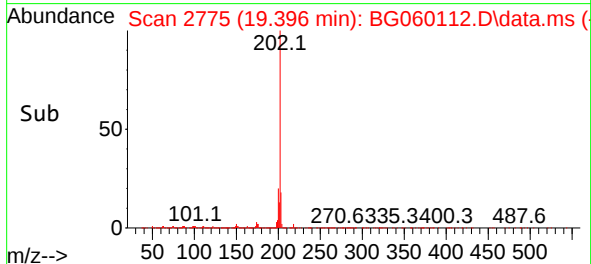
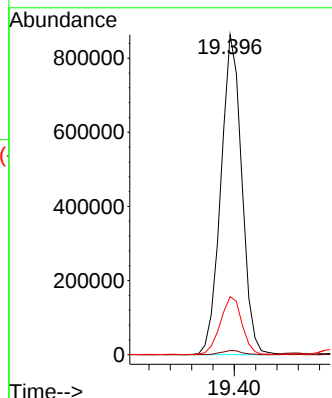
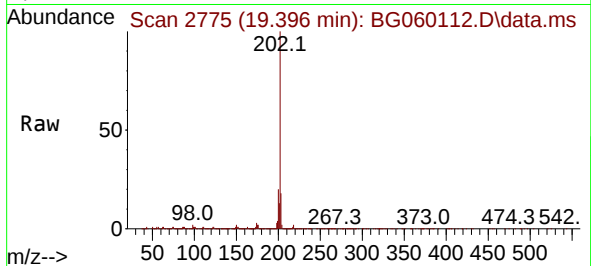




#75
Fluoranthene
Concen: 42.269 ng
RT: 19.396 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

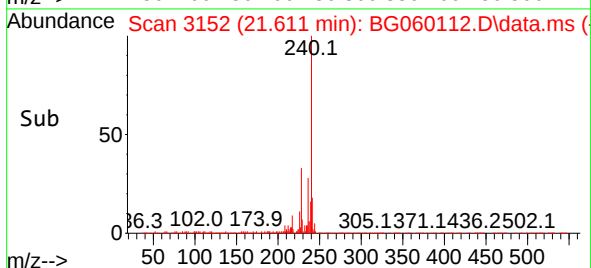
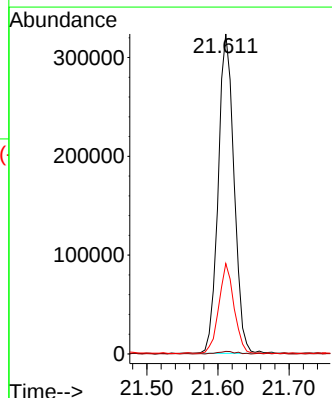
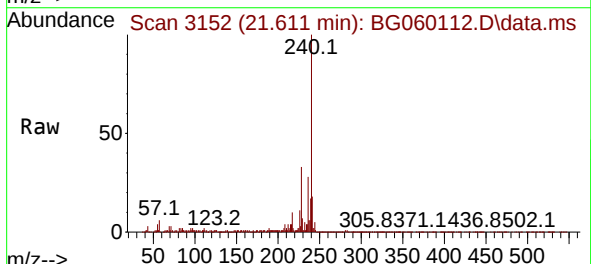
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5

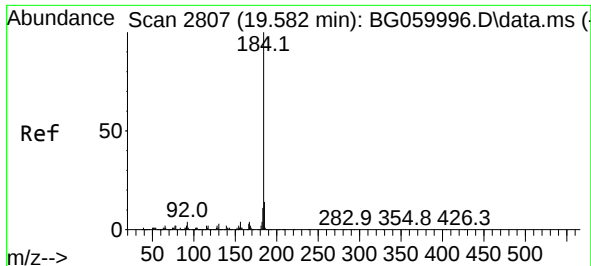
Tgt Ion:202 Resp: 1173964
Ion Ratio Lower Upper
202 100
101 1.3 0.0 24.2
203 18.2 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.611 min Scan# 3152
Delta R.T. -0.008 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

Tgt Ion:240 Resp: 497614
Ion Ratio Lower Upper
240 100
120 0.8 2.9 4.3#
236 28.3 19.4 29.2

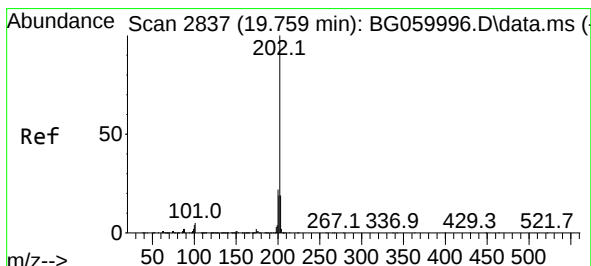
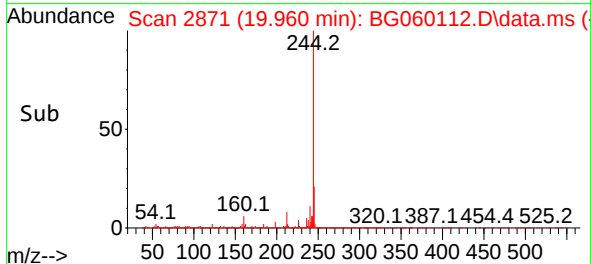
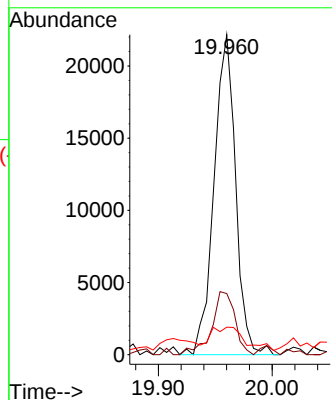
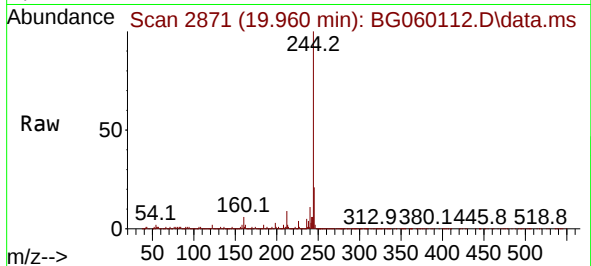




#77
Benzidine
Concen: 4.567 ng
RT: 19.960 min Scan# 2807
Delta R.T. 0.374 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

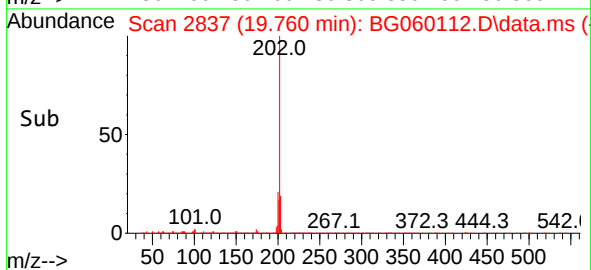
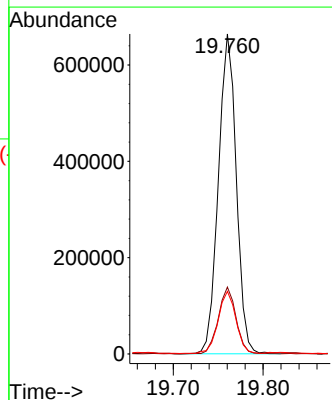
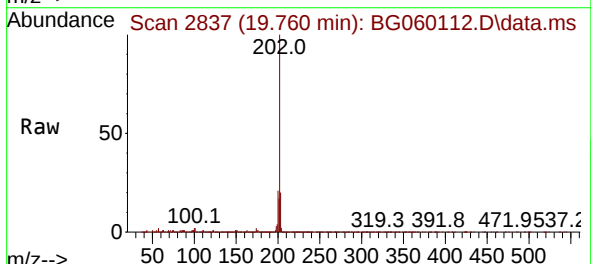
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5

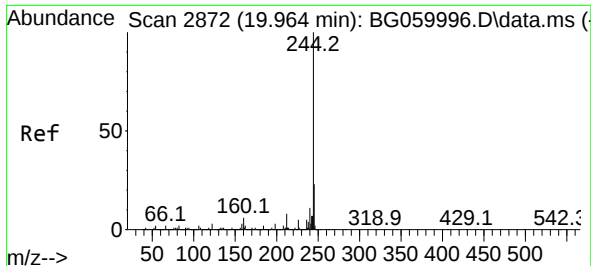
Tgt Ion:184 Resp: 29193
Ion Ratio Lower Upper
184 100
185 19.1 11.1 16.7#
183 8.6 9.0 13.4#



#78
Pyrene
Concen: 30.489 ng
RT: 19.760 min Scan# 2837
Delta R.T. -0.002 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

Tgt Ion:202 Resp: 919677
Ion Ratio Lower Upper
202 100
200 20.9 17.6 26.4
203 19.6 14.9 22.3

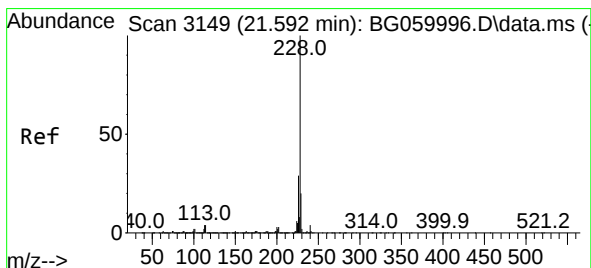
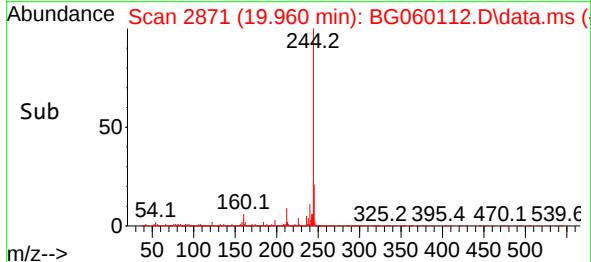
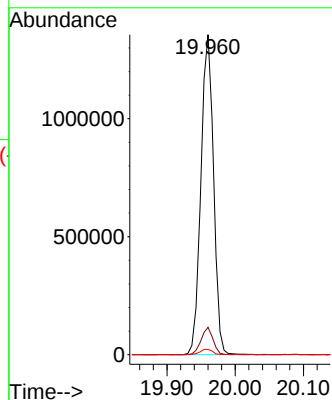
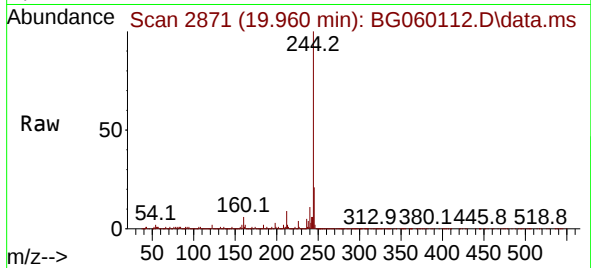




#79
 Terphenyl-d14
 Concen: 64.051 ng
 RT: 19.960 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG060112.D
 Acq: 20 Dec 2023 23:55

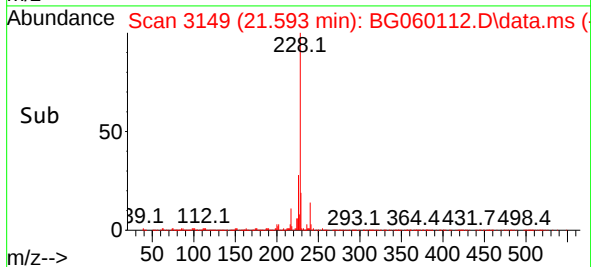
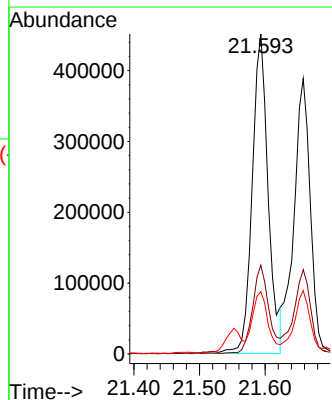
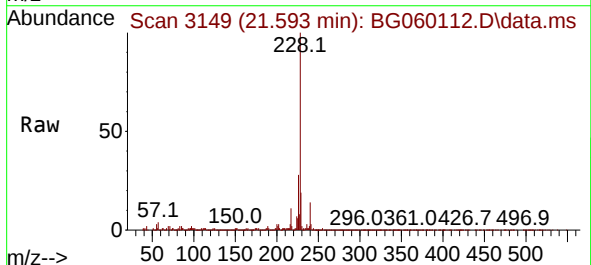
Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-09-10.5-11.5

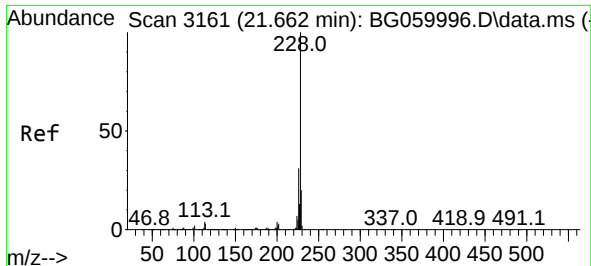
Tgt Ion:244 Resp: 1745756
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.8 10.2
 122 1.7 2.6 3.8#



#81
 Benzo(a)anthracene
 Concen: 22.892 ng
 RT: 21.593 min Scan# 3149
 Delta R.T. -0.008 min
 Lab File: BG060112.D
 Acq: 20 Dec 2023 23:55

Tgt Ion:228 Resp: 765194
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.9 34.3
 229 19.4 16.2 24.2





#83

Chrysene

Concen: 21.169 ng

RT: 21.658 min Scan# 3161

Delta R.T. -0.008 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

Instrument :

BNA_G

ClientSampleId :

RT-SB-09-10.5-11.5

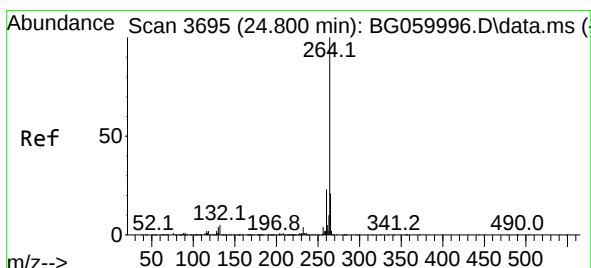
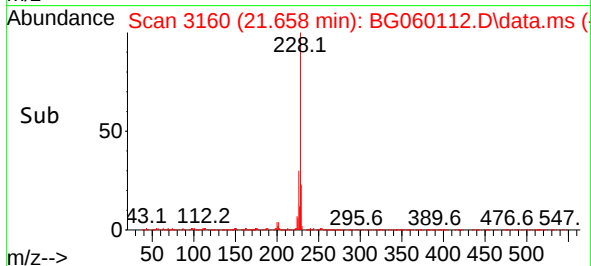
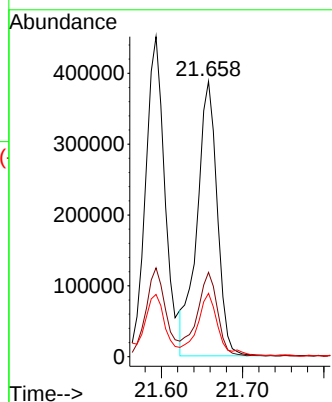
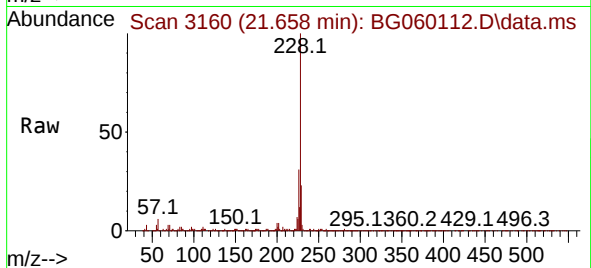
Tgt Ion:228 Resp: 670364

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

229 23.0 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.807 min Scan# 3696

Delta R.T. -0.008 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

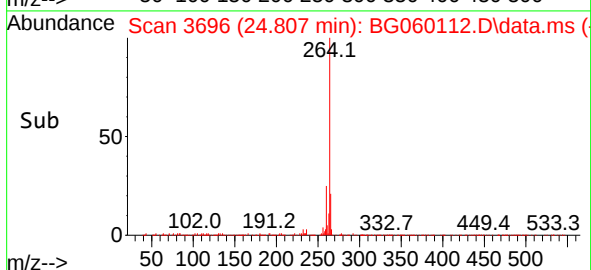
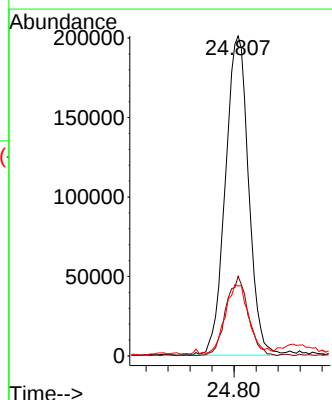
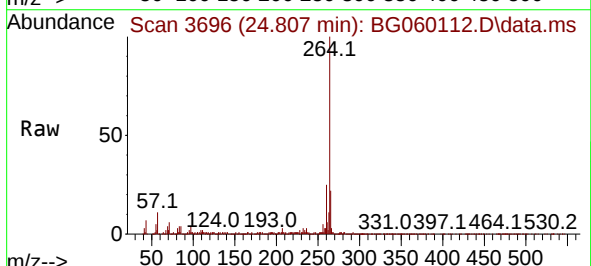
Tgt Ion:264 Resp: 588034

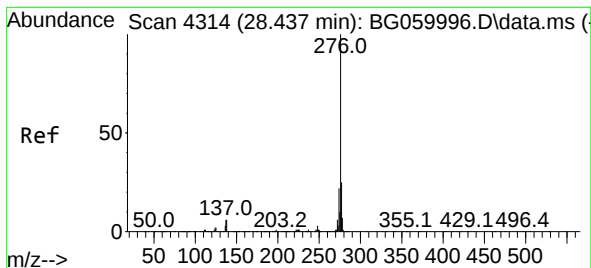
Ion Ratio Lower Upper

264 100

260 24.9 18.5 27.7

265 21.9 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.569 ng

RT: 28.438 min Scan# 41

Delta R.T. -0.020 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

Instrument :

BNA_G

ClientSampleId :

RT-SB-09-10.5-11.5

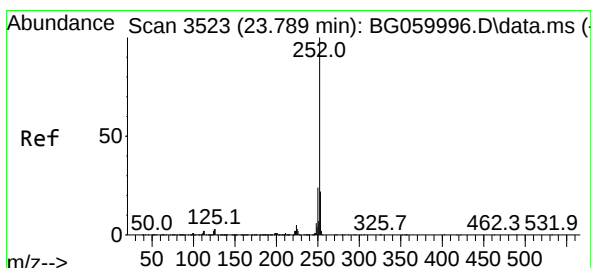
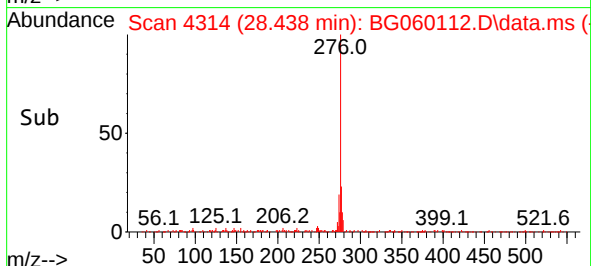
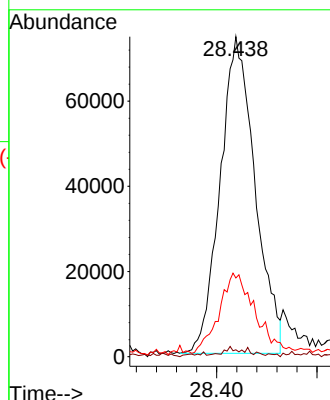
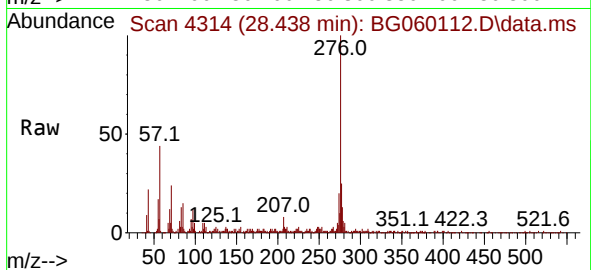
Tgt Ion:276 Resp: 359607

Ion Ratio Lower Upper

276 100

138 0.7 4.7 7.1#

277 26.2 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 23.906 ng

RT: 23.791 min Scan# 3523

Delta R.T. -0.008 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

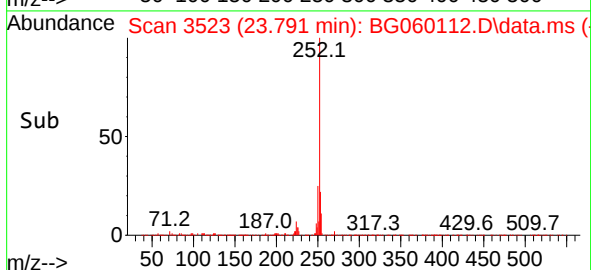
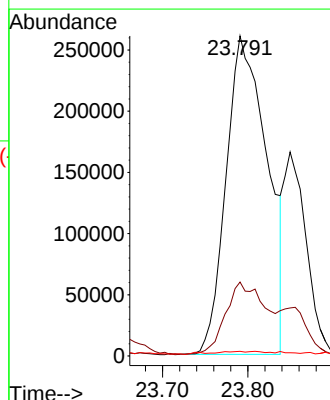
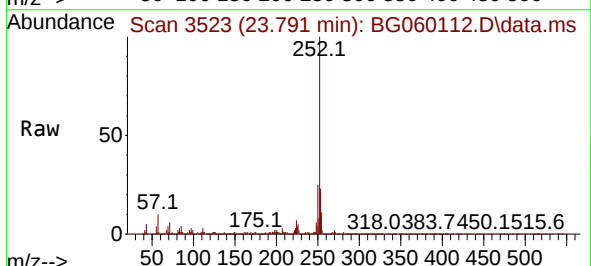
Tgt Ion:252 Resp: 868175

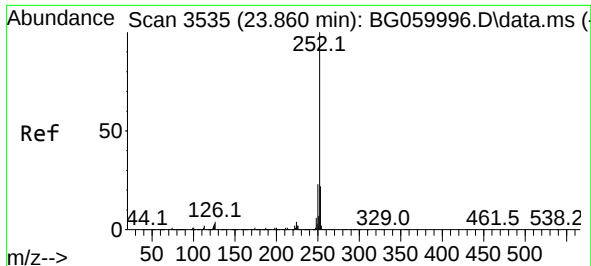
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

125 1.4 2.6 4.0#

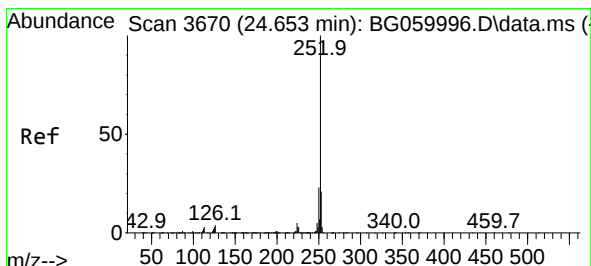
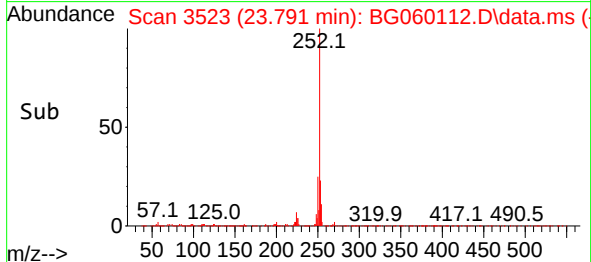
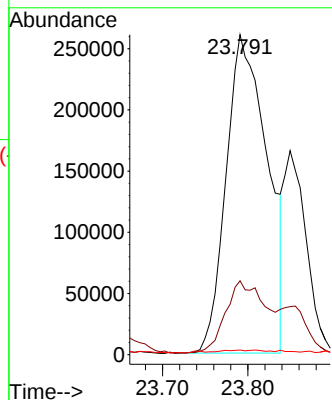
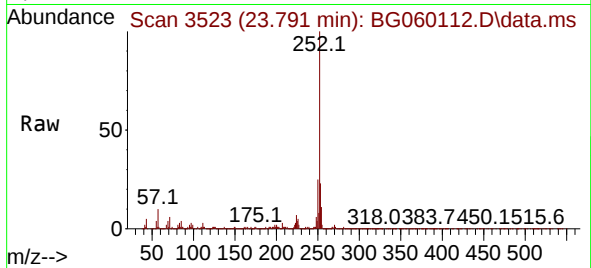




#89
Benzo(k)fluoranthene
Concen: 24.646 ng
RT: 23.791 min Scan# 31
Delta R.T. -0.079 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

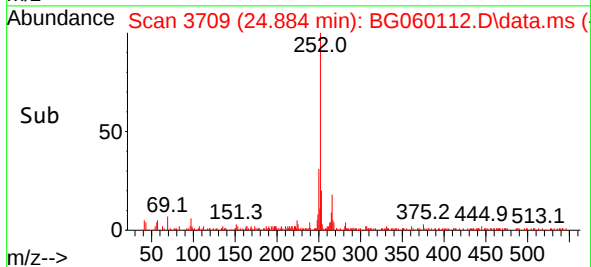
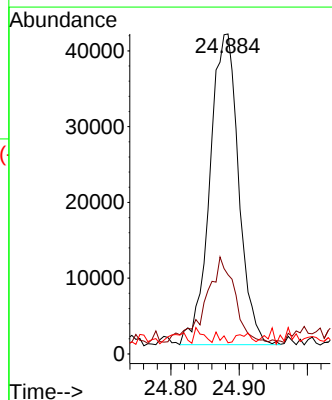
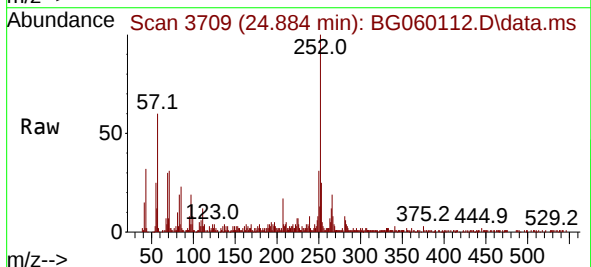
Instrument :
BNA_G
ClientSampleId :
RT-SB-09-10.5-11.5

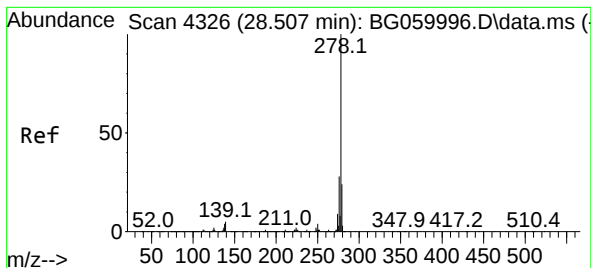
Tgt Ion:252 Resp: 868175
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 1.4 2.5 3.7#



#90
Benzo(a)pyrene
Concen: 3.743 ng
RT: 24.884 min Scan# 3709
Delta R.T. 0.221 min
Lab File: BG060112.D
Acq: 20 Dec 2023 23:55

Tgt Ion:252 Resp: 120449
Ion Ratio Lower Upper
252 100
253 24.8 17.1 25.7
125 3.5 2.6 4.0





#91

Dibenzo(a,h)anthracene

Concen: 2.214 ng

RT: 28.914 min Scan# 41

Delta R.T. 0.391 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

Instrument :

BNA_G

ClientSampleId :

RT-SB-09-10.5-11.5

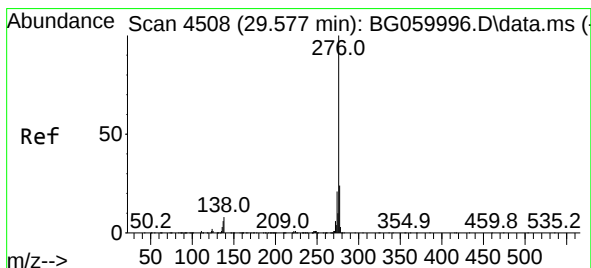
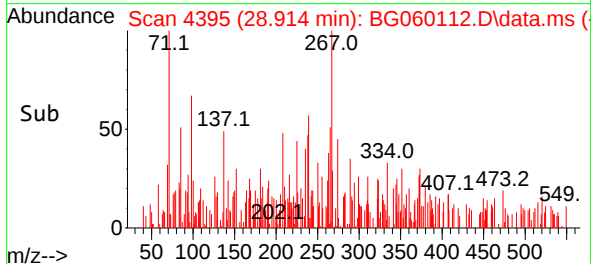
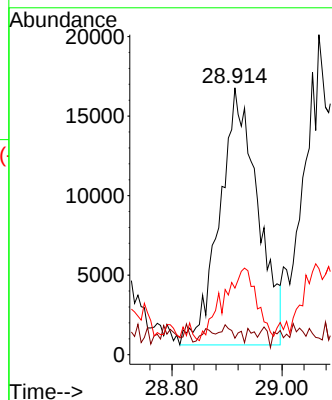
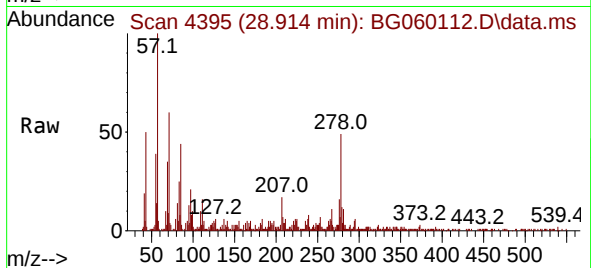
Tgt Ion:278 Resp: 77679

Ion Ratio Lower Upper

278 100

139 6.2 4.4 6.6

279 24.9 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 8.614 ng

RT: 29.572 min Scan# 4507

Delta R.T. -0.026 min

Lab File: BG060112.D

Acq: 20 Dec 2023 23:55

Tgt Ion:276 Resp: 300676

Ion Ratio Lower Upper

276 100

277 24.3 19.4 29.2

138 2.4 6.0 9.0#

