

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060111.D
 Acq On : 20 Dec 2023 23:15
 Operator : MA/JU
 Sample : 05796-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-04-10-11

Quant Time: Dec 21 02:43:01 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)

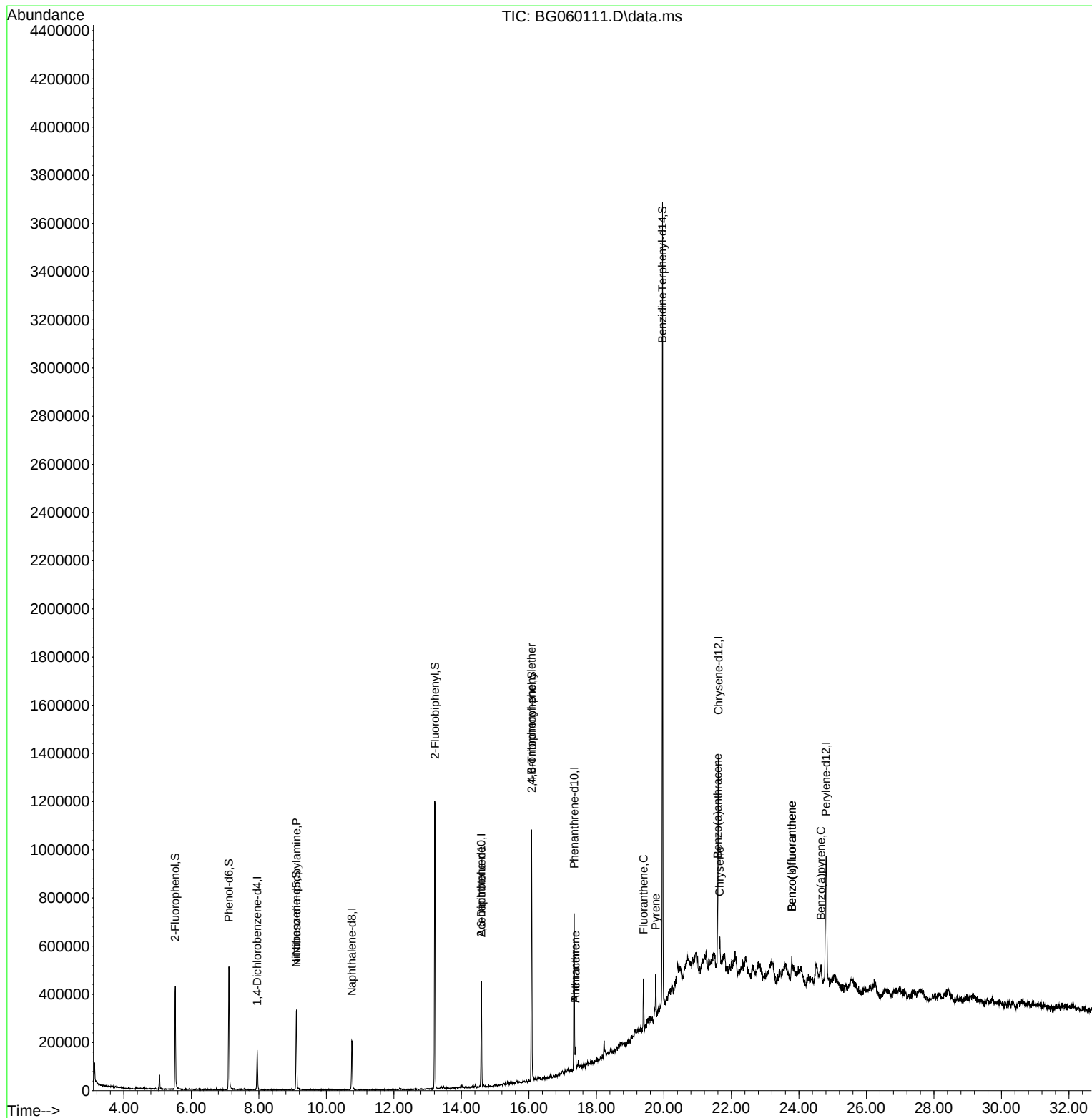
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.950	152	38914	20.000	ng	0.00
21) Naphthalene-d8	10.753	136	143085	20.000	ng	# 0.00
39) Acenaphthene-d10	14.590	164	148533	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	451229	20.000	ng	# 0.00
76) Chrysene-d12	21.611	240	593606	20.000	ng	# 0.00
86) Perylene-d12	24.801	264	714579	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.524	112	135496	59.606	ng	0.00
7) Phenol-d6	7.110	99	221957	69.413	ng	0.00
23) Nitrobenzene-d5	9.108	82	187317	59.445	ng	-0.01
42) 2,4,6-Tribromophenol	16.082	330	258734	74.746	ng	0.00
45) 2-Fluorobiphenyl	13.215	172	656054	54.058	ng	0.00
79) Terphenyl-d14	19.960	244	1817580	55.902	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.114	70	29865	14.476	ng	# 77
51) 2,6-Dinitrotoluene	14.590	165	21643	9.062	ng	# 24
67) 4-Bromophenyl-phenylether	16.076	248	16121	2.532	ng	# 6
69) Atrazine	16.781	200	236	Below Cal		# 35
71) Phenanthrene	17.381	178	64547	2.953	ng	99
72) Anthracene	17.381	178	64547	2.937	ng	99
75) Fluoranthene	19.396	202	151904	4.763	ng	97
77) Benzidine	19.954	184	30672	4.023	ng	99
78) Pyrene	19.760	202	127610	3.546	ng	98
81) Benzo(a)anthracene	21.593	228	85675	2.149	ng	# 94
83) Chrysene	21.652	228	92583	2.451	ng	# 92
88) Benzo(b)fluoranthene	23.791	252	130433	2.956	ng	# 95
89) Benzo(k)fluoranthene	23.791	252	130433	3.047	ng	# 96
90) Benzo(a)pyrene	24.654	252	84004	2.148	ng	# 85

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

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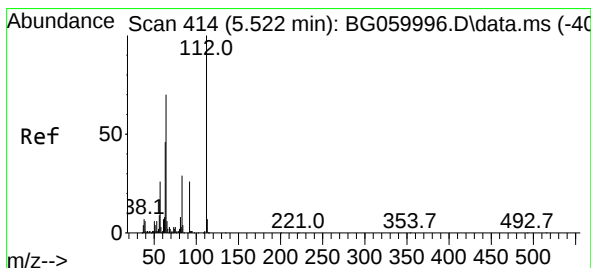
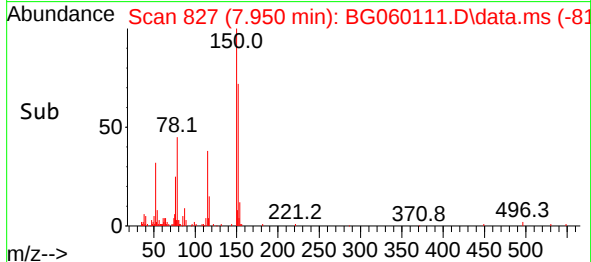
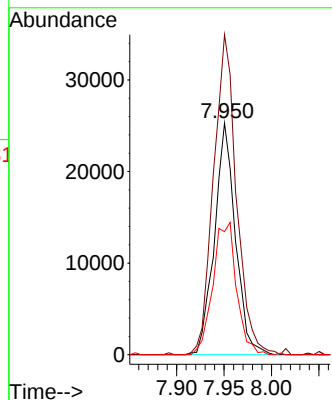
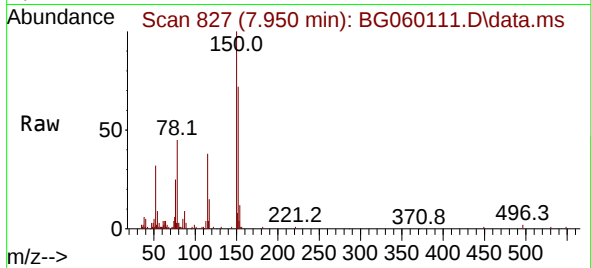




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.950 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG060111.D
Acq: 20 Dec 2023 23:15

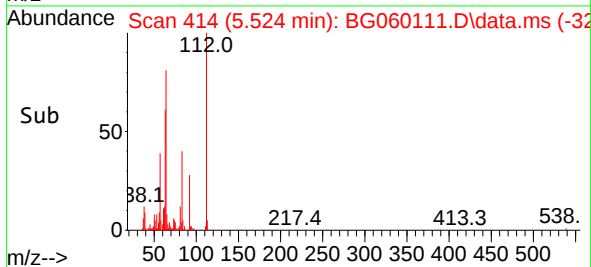
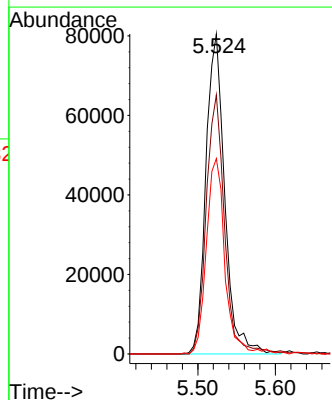
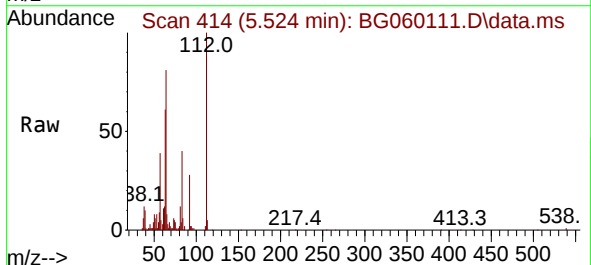
Instrument :
BNA_G
ClientSampleId :
RT-SB-04-10-11

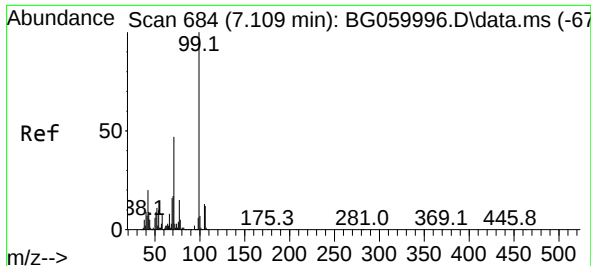
Tgt Ion:152 Resp: 38914
Ion Ratio Lower Upper
152 100
150 138.1 127.0 190.6
115 53.1 45.7 68.5



#5
2-Fluorophenol
Concen: 59.606 ng
RT: 5.524 min Scan# 414
Delta R.T. -0.002 min
Lab File: BG060111.D
Acq: 20 Dec 2023 23:15

Tgt Ion:112 Resp: 135496
Ion Ratio Lower Upper
112 100
64 80.9 55.9 83.9
63 61.1 36.5 54.7#

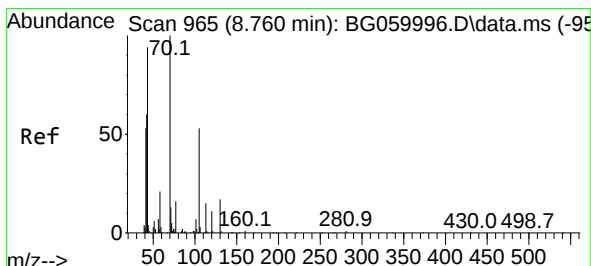
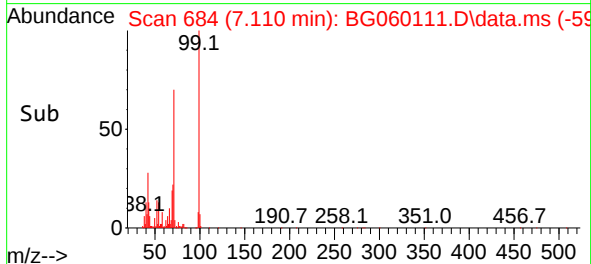
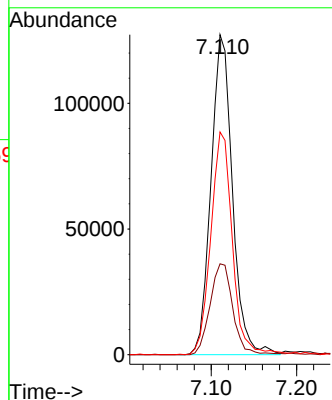
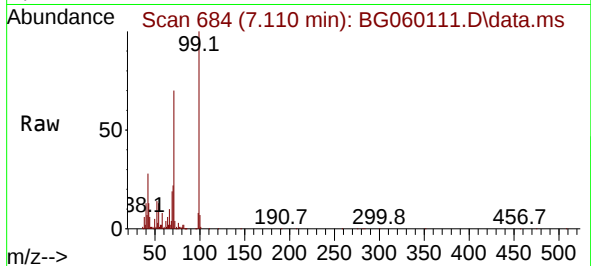




#7
Phenol-d6
Concen: 69.413 ng
RT: 7.110 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG060111.D
Acq: 20 Dec 2023 23:15

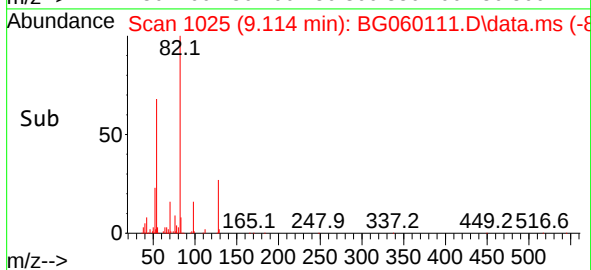
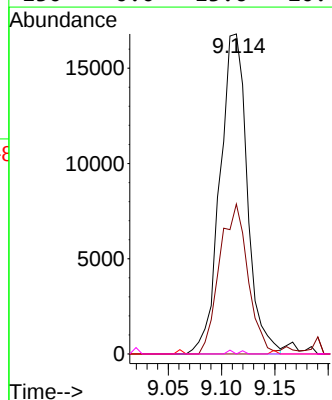
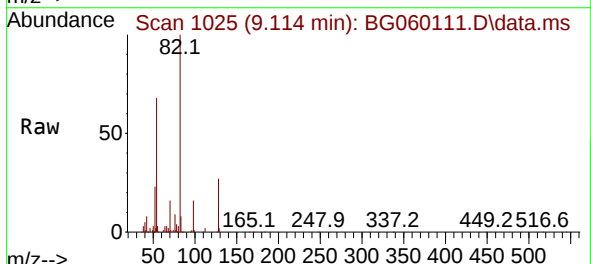
Instrument :
BNA_G
ClientSampleId :
RT-SB-04-10-11

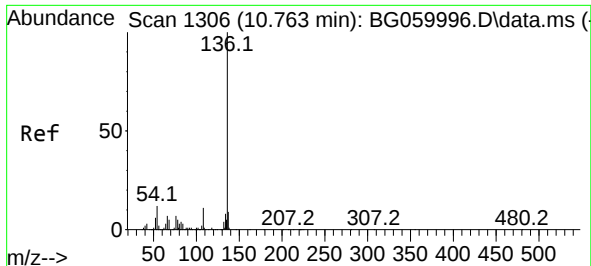
Tgt Ion: 99 Resp: 221957
Ion Ratio Lower Upper
99 100
42 28.4 16.2 24.4#
71 69.6 37.6 56.4#



#19
n-Nitroso-di-n-propylamine
Concen: 14.476 ng
RT: 9.114 min Scan# 1025
Delta R.T. 0.350 min
Lab File: BG060111.D
Acq: 20 Dec 2023 23:15

Tgt Ion: 70 Resp: 29865
Ion Ratio Lower Upper
70 100
42 46.8 48.6 73.0#
101 0.0 5.7 8.5#
130 0.0 13.6 20.4#

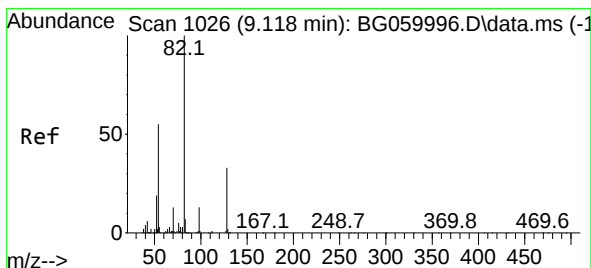
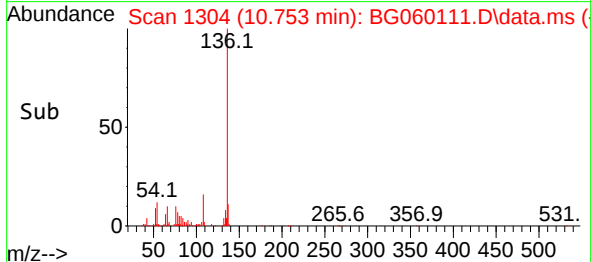
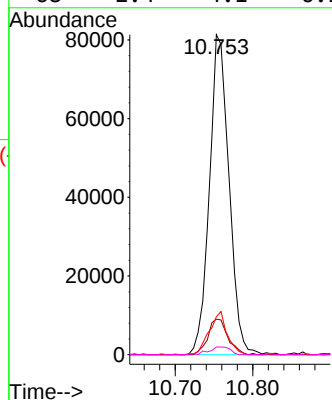
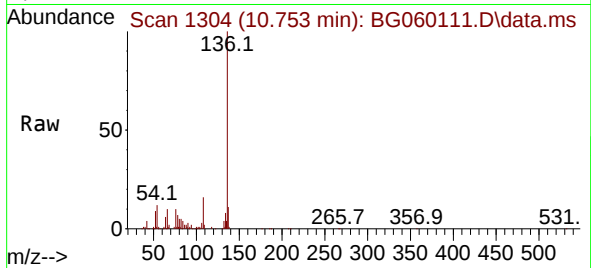




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.753 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG060111.D
Acq: 20 Dec 2023 23:15

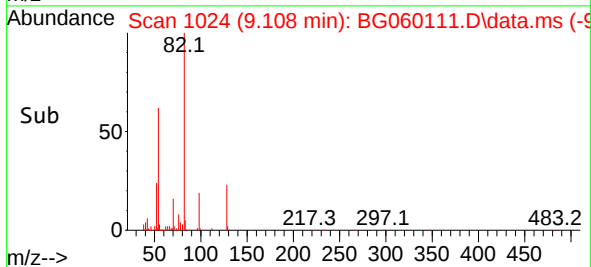
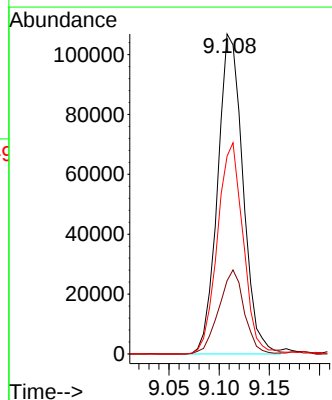
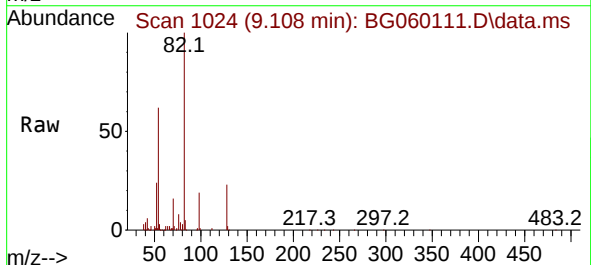
Instrument :
BNA_G
ClientSampleId :
RT-SB-04-10-11

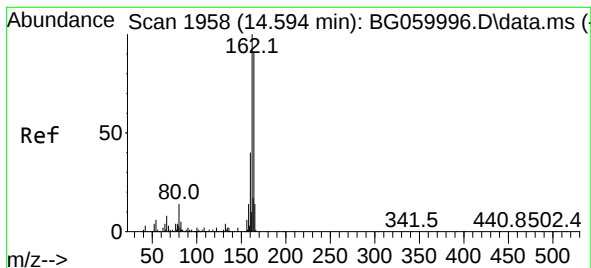
Tgt Ion:136 Resp: 143085
Ion Ratio Lower Upper
136 100
137 11.1 7.3 10.9#
54 11.9 9.6 14.4
68 2.4 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 59.445 ng
RT: 9.108 min Scan# 1024
Delta R.T. -0.014 min
Lab File: BG060111.D
Acq: 20 Dec 2023 23:15

Tgt Ion: 82 Resp: 187317
Ion Ratio Lower Upper
82 100
128 22.9 26.3 39.5#
54 61.8 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: BG060111.D

Acq: 20 Dec 2023 23:15

Instrument :

BNA_G

ClientSampleId :

RT-SB-04-10-11

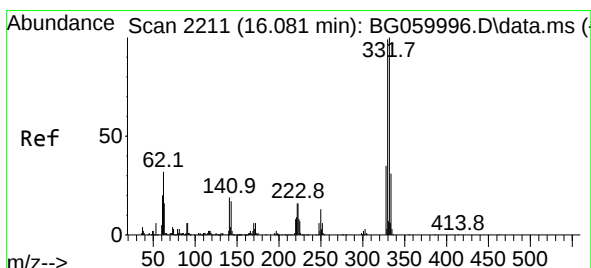
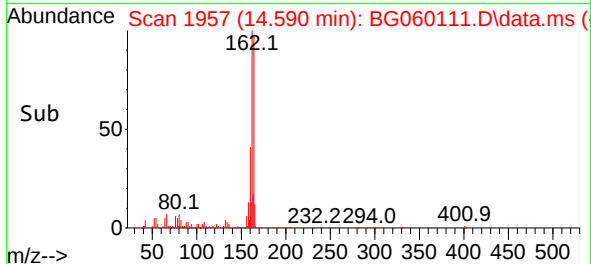
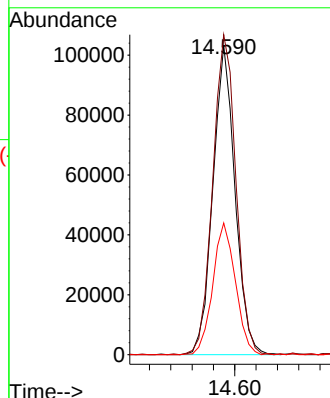
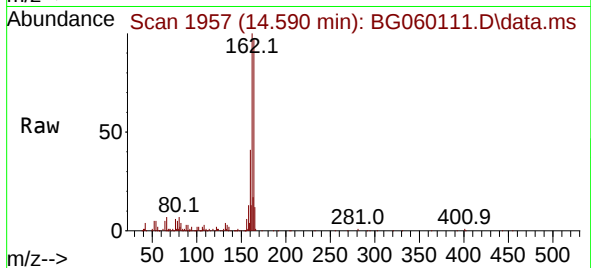
Tgt Ion:164 Resp: 148533

Ion Ratio Lower Upper

164 100

162 103.4 88.1 132.1

160 42.5 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 74.746 ng

RT: 16.082 min Scan# 2211

Delta R.T. -0.002 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

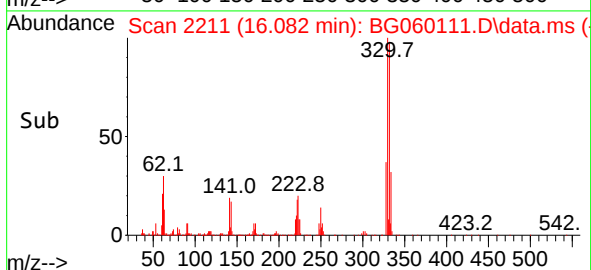
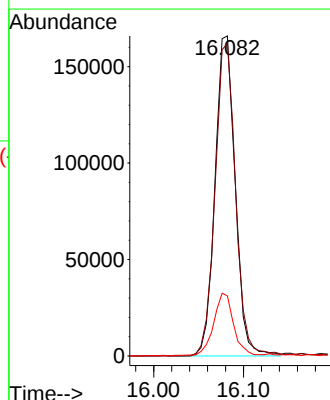
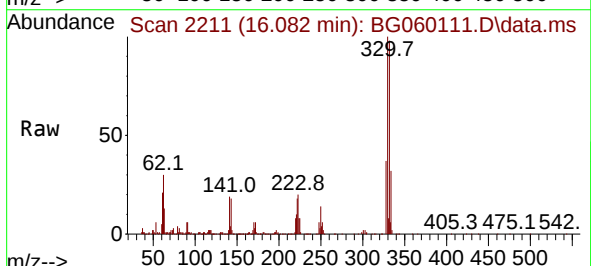
Tgt Ion:330 Resp: 258734

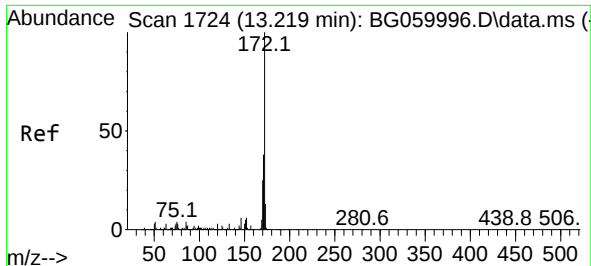
Ion Ratio Lower Upper

330 100

332 99.4 76.2 114.4

141 19.6 14.3 21.5

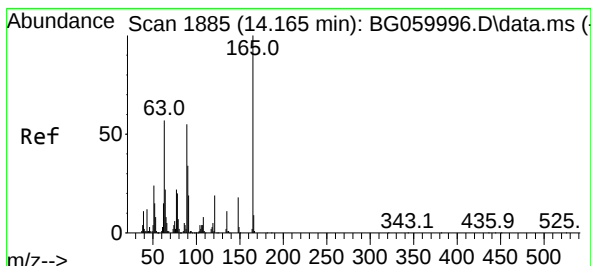
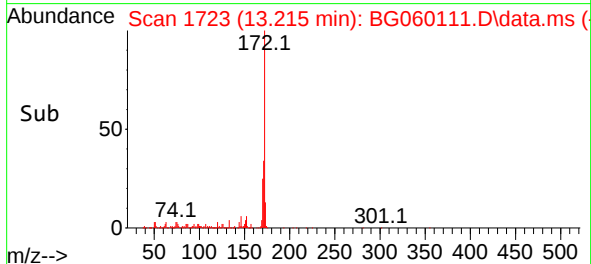
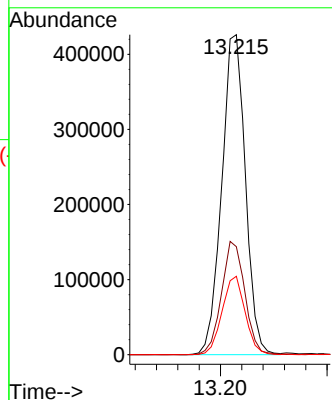
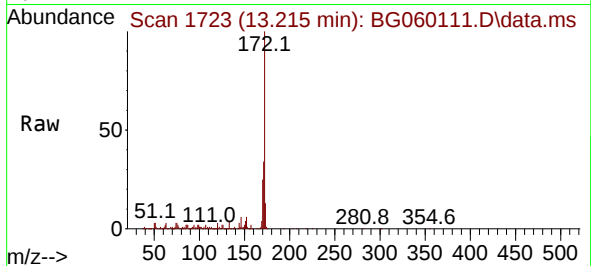




#45
2-Fluorobiphenyl
Concen: 54.058 ng
RT: 13.215 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG060111.D
Acq: 20 Dec 2023 23:15

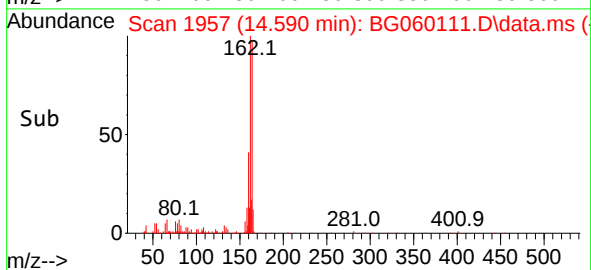
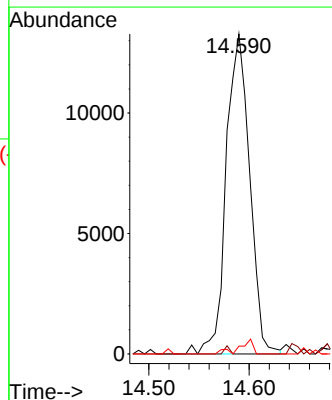
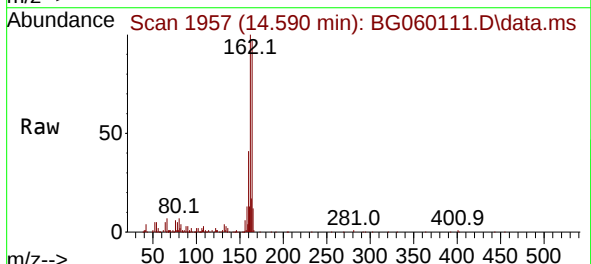
Instrument :
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RT-SB-04-10-11

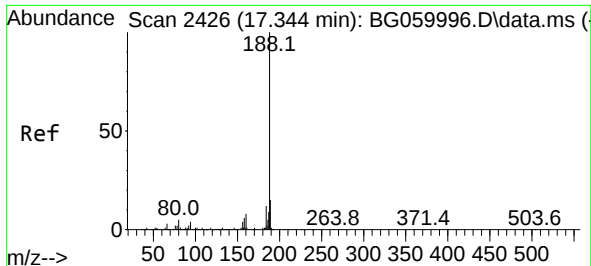
Tgt Ion:172 Resp: 656054
Ion Ratio Lower Upper
172 100
171 33.8 30.1 45.1
170 24.5 20.0 30.0



#51
2,6-Dinitrotoluene
Concen: 9.062 ng
RT: 14.590 min Scan# 1957
Delta R.T. 0.421 min
Lab File: BG060111.D
Acq: 20 Dec 2023 23:15

Tgt Ion:165 Resp: 21643
Ion Ratio Lower Upper
165 100
63 0.0 48.2 72.2#
89 2.4 44.4 66.6#

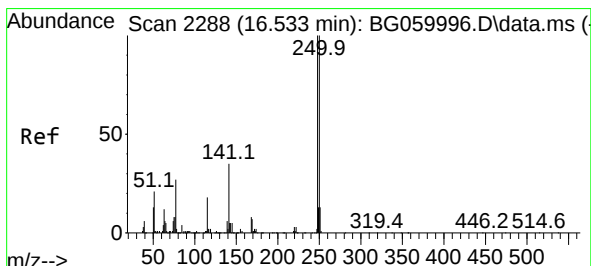
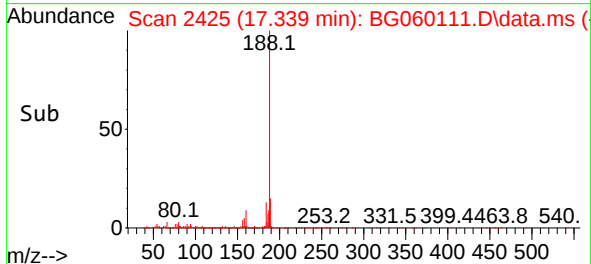
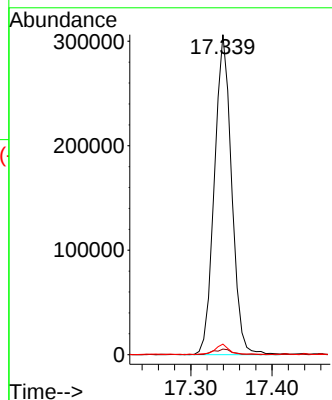
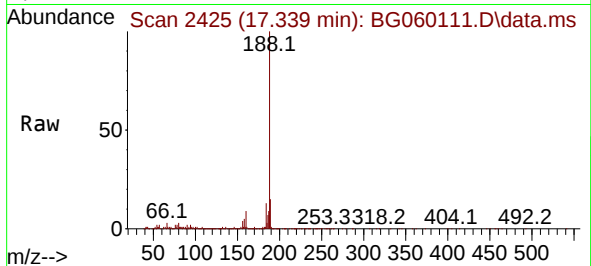




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 24
Delta R.T. -0.008 min
Lab File: BG060111.D
Acq: 20 Dec 2023 23:15

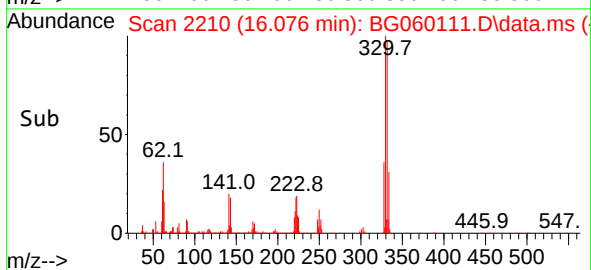
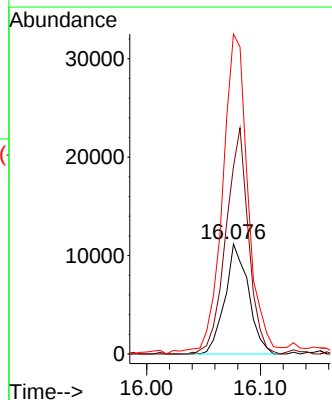
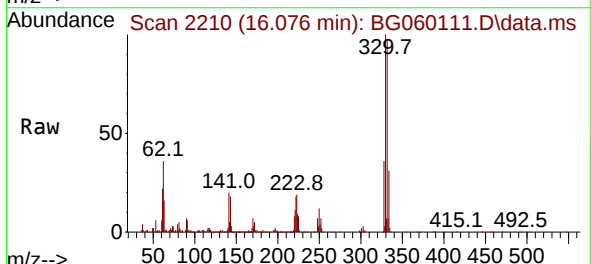
Instrument :
BNA_G
ClientSampleId :
RT-SB-04-10-11

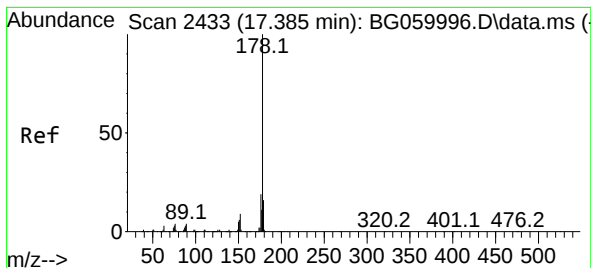
Tgt Ion:188 Resp: 451229
Ion Ratio Lower Upper
188 100
94 1.7 3.0 4.6#
80 3.3 4.0 6.0#



#67
4-Bromophenyl-phenylether
Concen: 2.532 ng
RT: 16.076 min Scan# 2210
Delta R.T. -0.461 min
Lab File: BG060111.D
Acq: 20 Dec 2023 23:15

Tgt Ion:248 Resp: 16121
Ion Ratio Lower Upper
248 100
250 122.1 79.9 119.9#
141 208.4 28.3 42.5#





#71

Phenanthrene

Concen: 2.953 ng

RT: 17.381 min Scan# 2432

Delta R.T. -0.008 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

Instrument :

BNA_G

ClientSampleId :

RT-SB-04-10-11

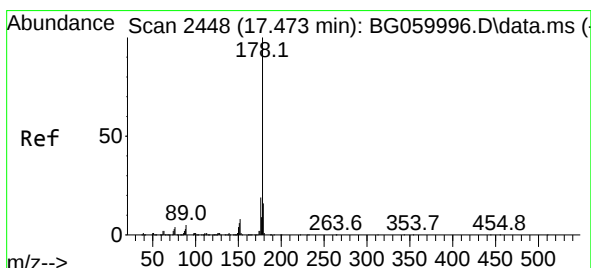
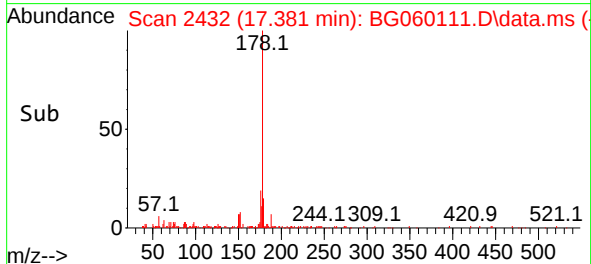
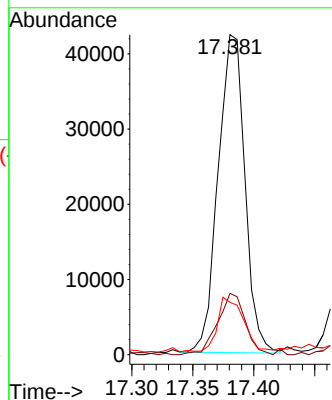
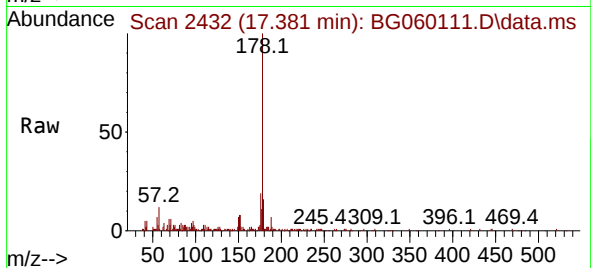
Tgt Ion:178 Resp: 64547

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 16.4 12.6 19.0



#72

Anthracene

Concen: 2.937 ng

RT: 17.381 min Scan# 2432

Delta R.T. -0.096 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

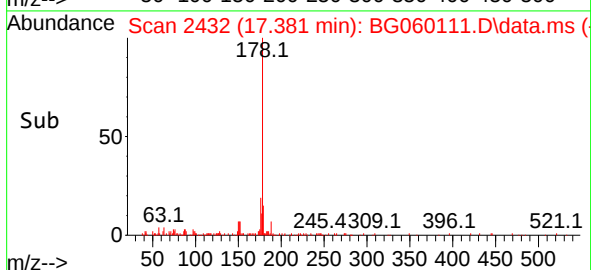
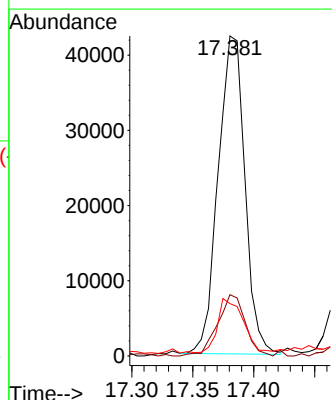
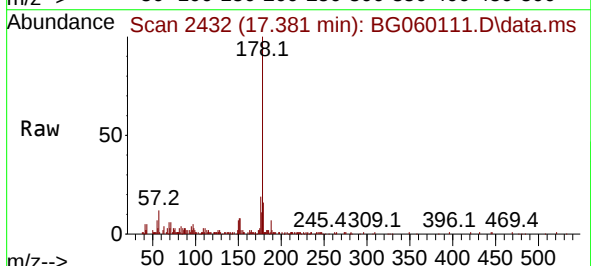
Tgt Ion:178 Resp: 64547

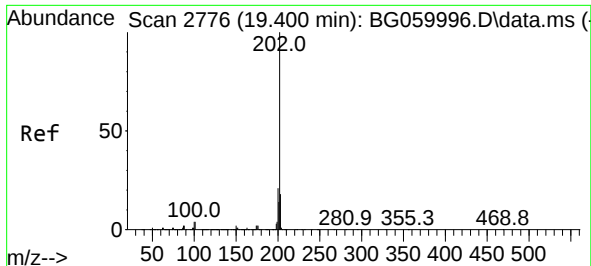
Ion Ratio Lower Upper

178 100

176 19.2 15.0 22.6

179 16.4 12.6 19.0

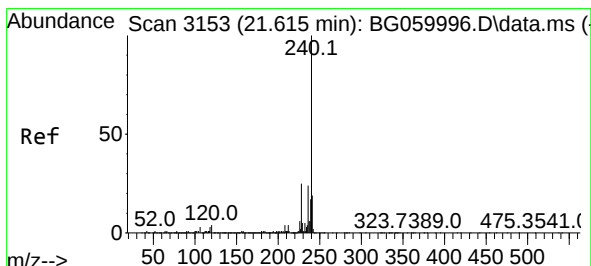
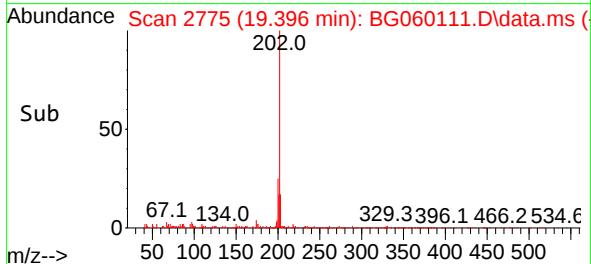
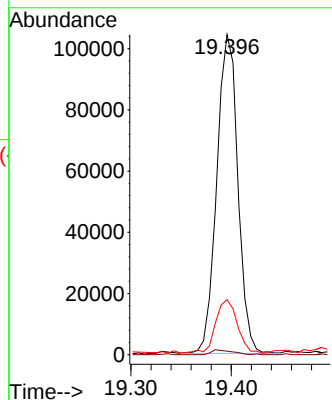
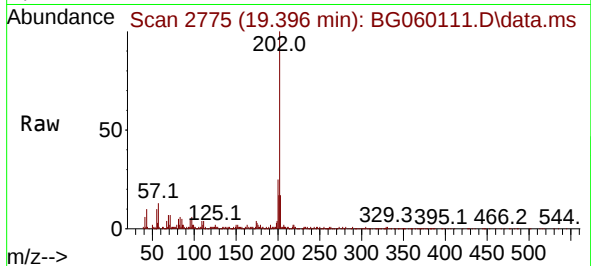




#75
Fluoranthene
Concen: 4.763 ng
RT: 19.396 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG060111.D
Acq: 20 Dec 2023 23:15

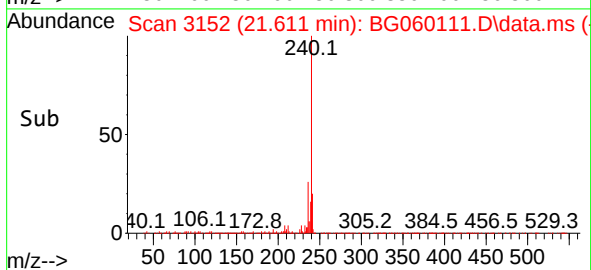
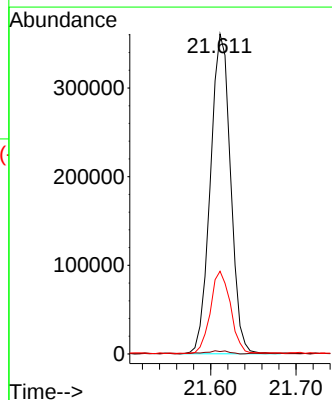
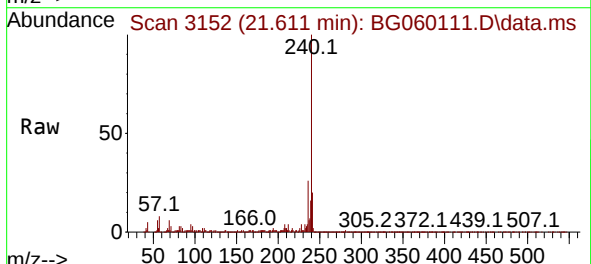
Instrument :
BNA_G
ClientSampleId :
RT-SB-04-10-11

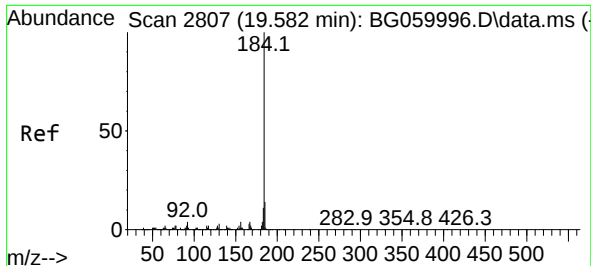
Tgt Ion:202 Resp: 151904
Ion Ratio Lower Upper
202 100
101 1.1 0.0 24.2
203 17.2 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.611 min Scan# 3152
Delta R.T. -0.008 min
Lab File: BG060111.D
Acq: 20 Dec 2023 23:15

Tgt Ion:240 Resp: 593606
Ion Ratio Lower Upper
240 100
120 0.7 2.9 4.3#
236 25.9 19.4 29.2

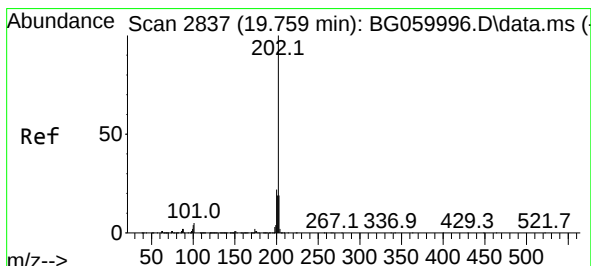
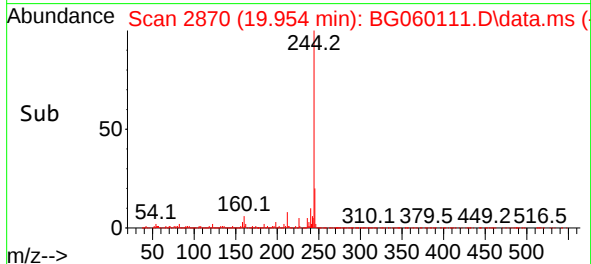
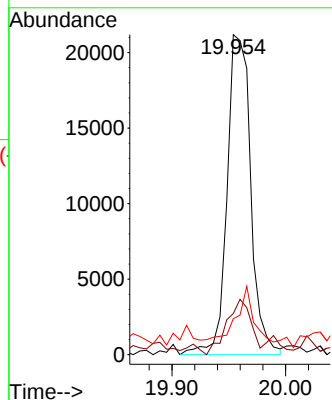
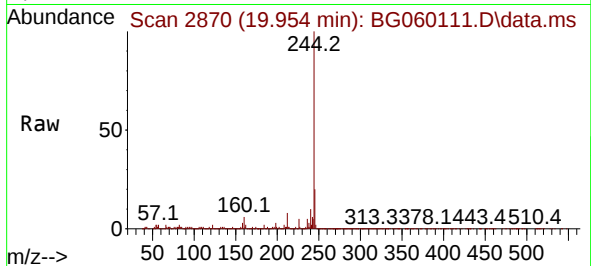




#77
Benzidine
Concen: 4.023 ng
RT: 19.954 min Scan# 2807
Delta R.T. 0.368 min
Lab File: BG060111.D
Acq: 20 Dec 2023 23:15

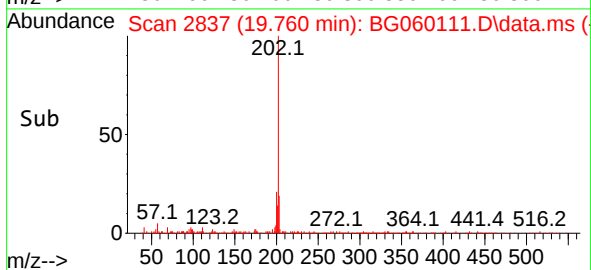
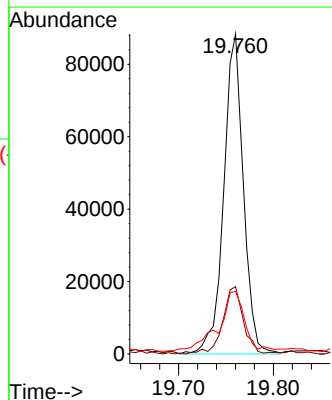
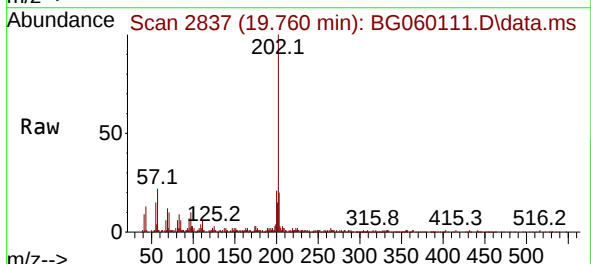
Instrument :
BNA_G
ClientSampleId :
RT-SB-04-10-11

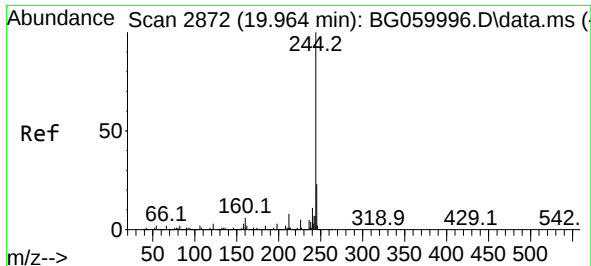
Tgt Ion:184 Resp: 30672
Ion Ratio Lower Upper
184 100
185 12.9 11.1 16.7
183 11.2 9.0 13.4



#78
Pyrene
Concen: 3.546 ng
RT: 19.760 min Scan# 2837
Delta R.T. -0.002 min
Lab File: BG060111.D
Acq: 20 Dec 2023 23:15

Tgt Ion:202 Resp: 127610
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 19.6 14.9 22.3

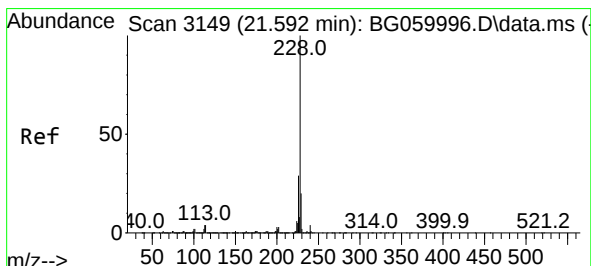
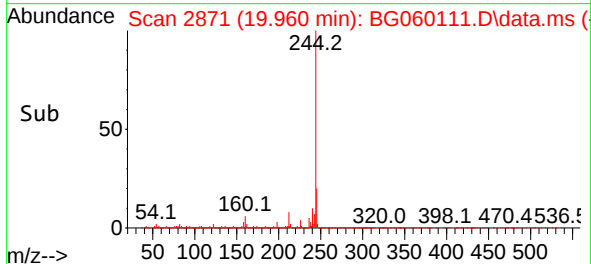
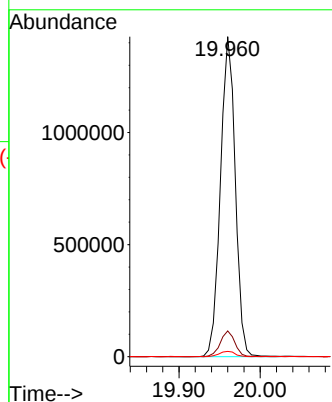
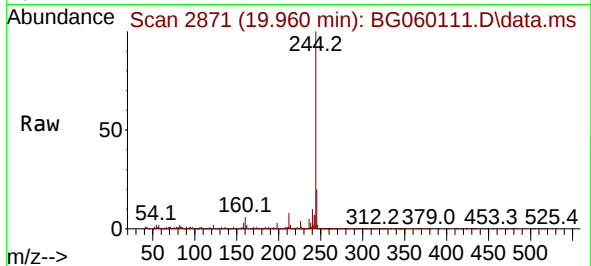




#79
 Terphenyl-d14
 Concen: 55.902 ng
 RT: 19.960 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG060111.D
 Acq: 20 Dec 2023 23:15

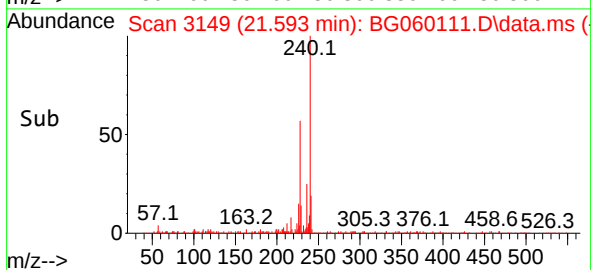
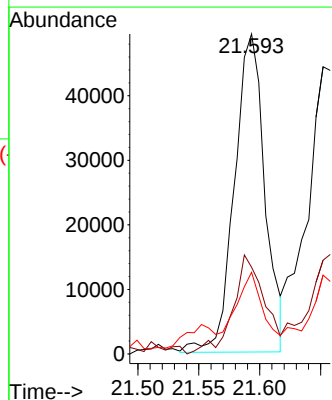
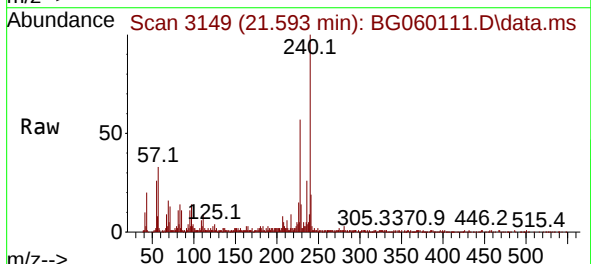
Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-04-10-11

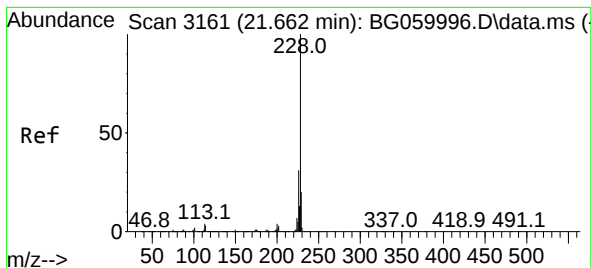
Tgt Ion:244 Resp: 1817580
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.8 10.2
 122 1.6 2.6 3.8#



#81
 Benzo(a)anthracene
 Concen: 2.149 ng
 RT: 21.593 min Scan# 3149
 Delta R.T. -0.008 min
 Lab File: BG060111.D
 Acq: 20 Dec 2023 23:15

Tgt Ion:228 Resp: 85675
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.9 34.3
 229 25.5 16.2 24.2#





#83

Chrysene

Concen: 2.451 ng

RT: 21.652 min Scan# 3161

Delta R.T. -0.014 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

Instrument :

BNA_G

ClientSampleId :

RT-SB-04-10-11

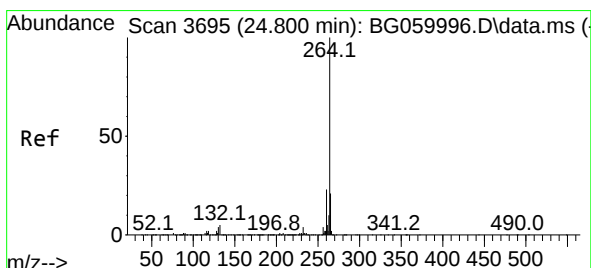
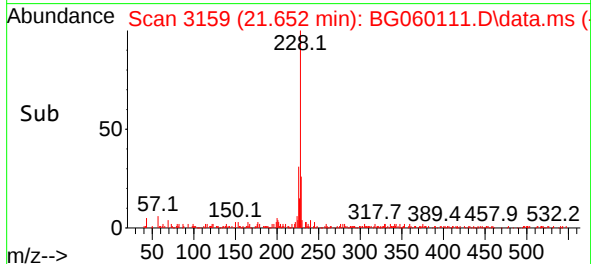
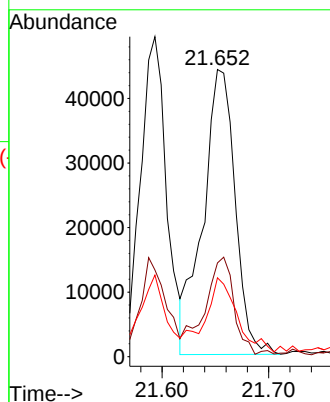
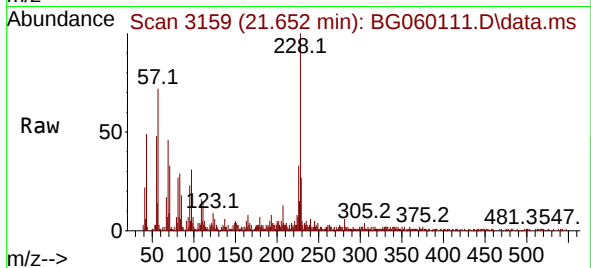
Tgt Ion:228 Resp: 92583

Ion Ratio Lower Upper

228 100

226 32.6 25.0 37.6

229 27.4 16.2 24.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.801 min Scan# 3695

Delta R.T. -0.014 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

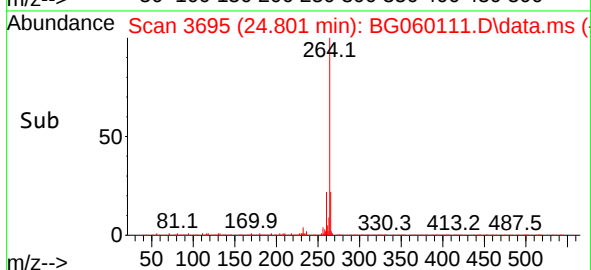
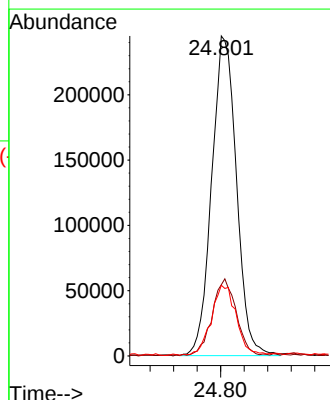
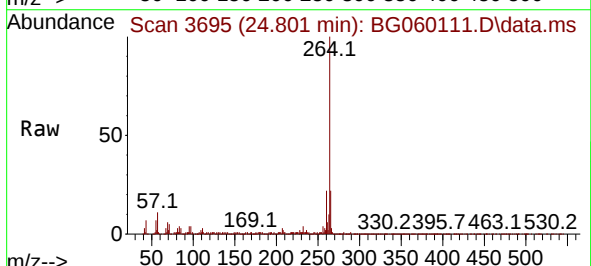
Tgt Ion:264 Resp: 714579

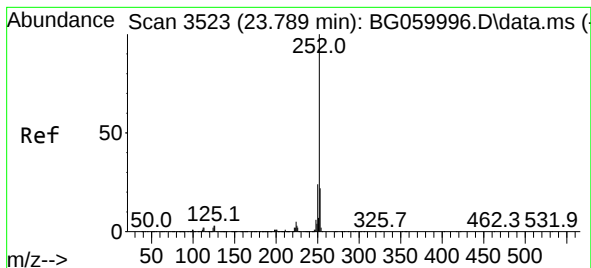
Ion Ratio Lower Upper

264 100

260 22.2 18.5 27.7

265 22.1 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 2.956 ng

RT: 23.791 min Scan# 3523

Delta R.T. -0.008 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

Instrument :

BNA_G

ClientSampleId :

RT-SB-04-10-11

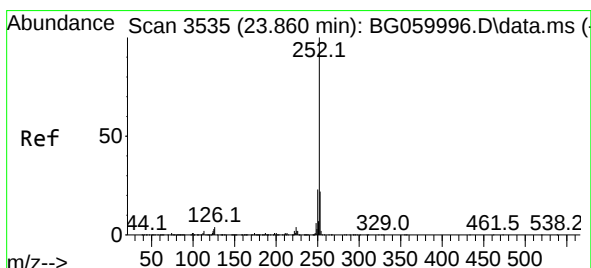
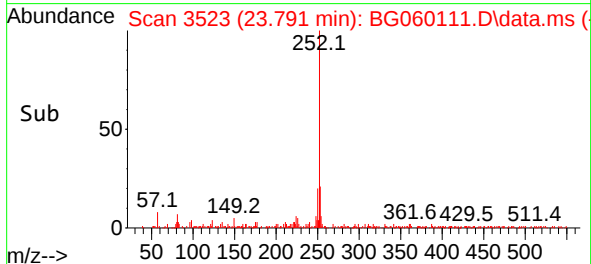
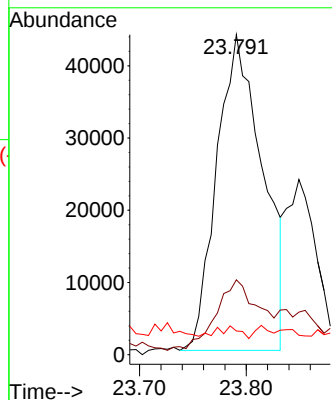
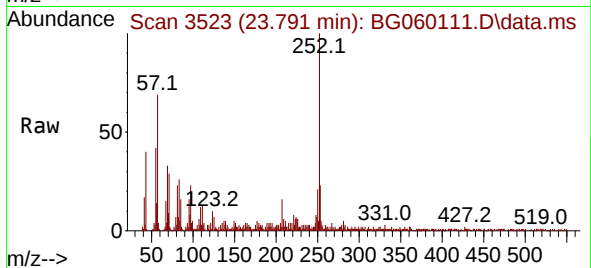
Tgt Ion:252 Resp: 130433

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 7.4 2.6 4.0#



#89

Benzo(k)fluoranthene

Concen: 3.047 ng

RT: 23.791 min Scan# 3523

Delta R.T. -0.079 min

Lab File: BG060111.D

Acq: 20 Dec 2023 23:15

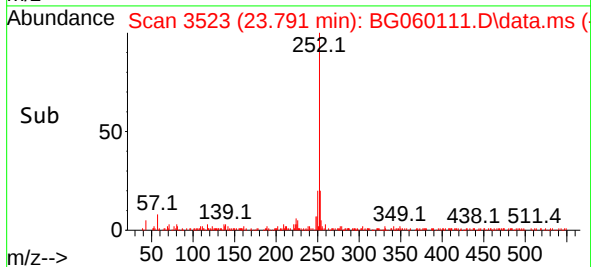
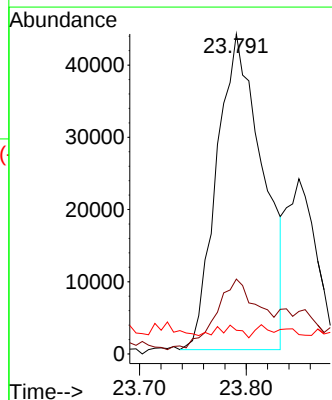
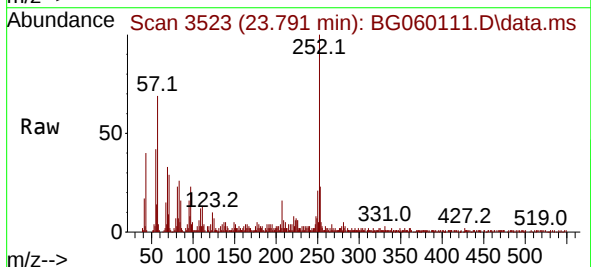
Tgt Ion:252 Resp: 130433

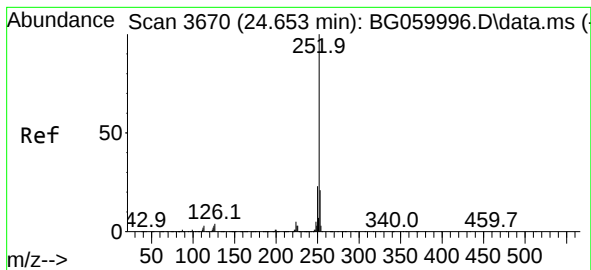
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 7.4 2.5 3.7#





#90

Benzo(a)pyrene

Concen: 2.148 ng

RT: 24.654 min Scan# 30

Delta R.T. -0.008 min

Lab File: BG060111.D

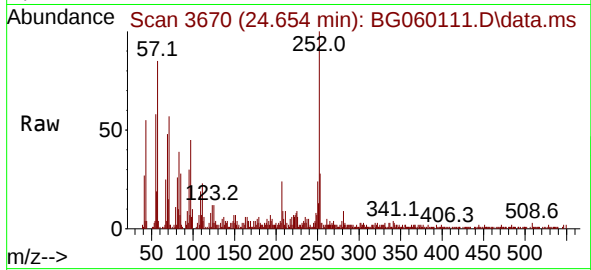
Acq: 20 Dec 2023 23:15

Instrument :

BNA_G

ClientSampleId :

RT-SB-04-10-11



Tgt Ion:252 Resp: 84004

Ion Ratio Lower Upper

252 100

253 27.8 17.1 25.7#

125 12.3 2.6 4.0#

