

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059793.D
 Acq On : 21 Nov 2023 15:30
 Operator : MA/JU
 Sample : 05380-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-8

Quant Time: Nov 21 16:27:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

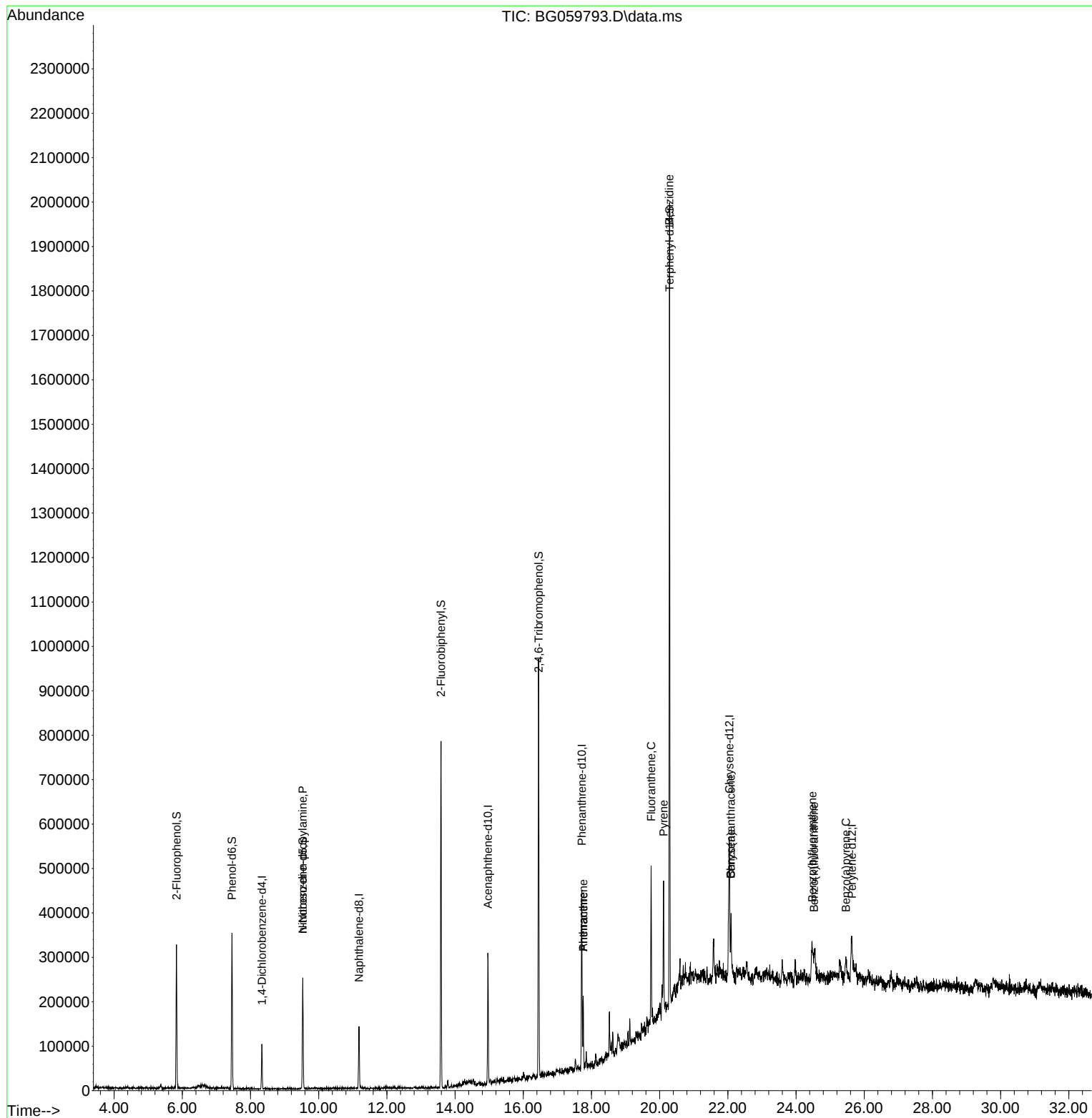
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.341	152	20586	20.000	ng	# 0.00
21) Naphthalene-d8	11.185	136	90910	20.000	ng	# 0.00
39) Acenaphthene-d10	14.963	164	92255	20.000	ng	0.00
64) Phenanthrene-d10	17.718	188	221342	20.000	ng	# 0.00
76) Chrysene-d12	22.043	240	154048	20.000	ng	# 0.00
86) Perylene-d12	25.638	264	142123	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.832	112	111090	90.829	ng	0.00
7) Phenol-d6	7.454	99	158183	87.275	ng	0.00
23) Nitrobenzene-d5	9.534	82	144242	60.597	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	128909	123.152	ng	0.00
45) 2-Fluorobiphenyl	13.588	172	338123	49.334	ng	0.00
79) Terphenyl-d14	20.292	244	721329	69.125	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.534	70	23973	16.796	ng	# 83
71) Phenanthrene	17.759	178	91731	8.151	ng	97
72) Anthracene	17.759	178	91731	7.845	ng	98
75) Fluoranthene	19.751	202	197003	14.598	ng	93
77) Benzidine	20.286	184	26335	7.539	ng	98
78) Pyrene	20.115	202	174055	16.606	ng	96
81) Benzo(a)anthracene	22.090	228	90705	8.606	ng	97
83) Chrysene	22.090	228	90705	9.388	ng	97
88) Benzo(b)fluoranthene	24.475	252	104571	13.424	ng	# 87
89) Benzo(k)fluoranthene	24.528	252	45925	5.963	ng	# 99
90) Benzo(a)pyrene	25.462	252	69712	8.385	ng	# 92

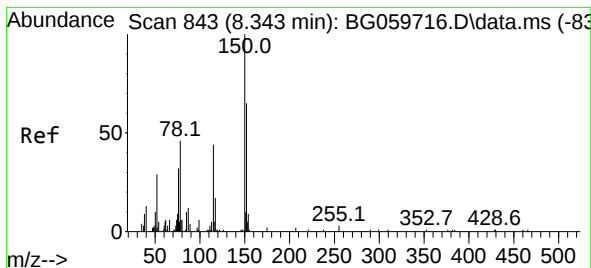
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
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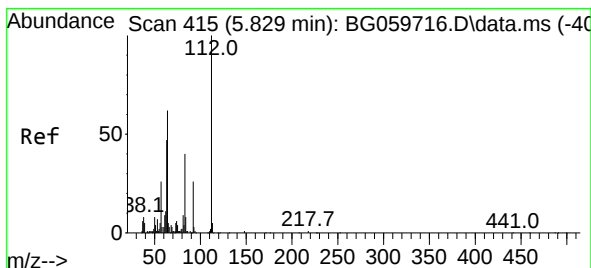
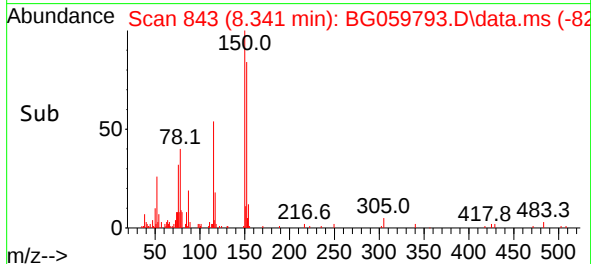
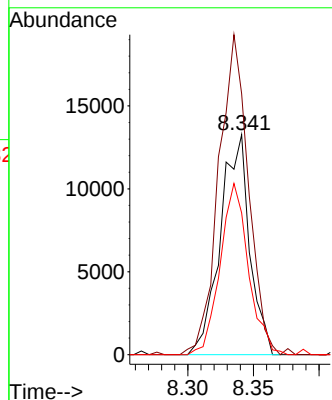
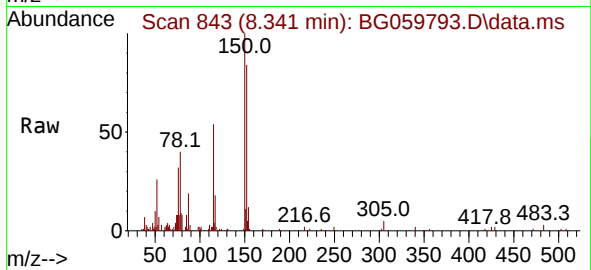




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.341 min Scan# 843
Delta R.T. -0.002 min
Lab File: BG059793.D
Acq: 21 Nov 2023 15:30

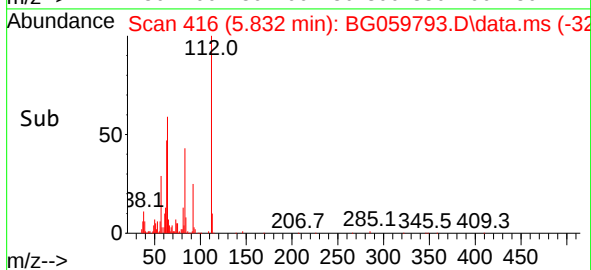
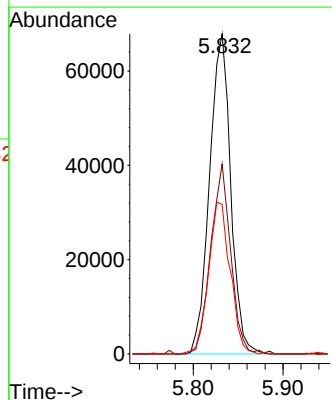
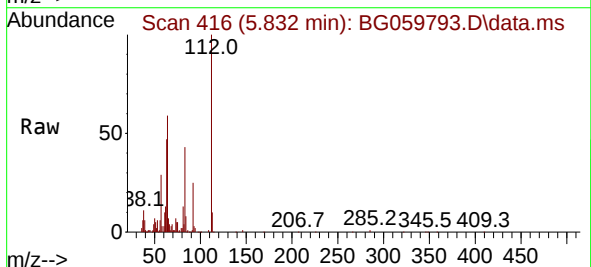
Instrument :
BNA_G
ClientSampleId :
WC-8

Tgt Ion:152 Resp: 20586
Ion Ratio Lower Upper
152 100
150 118.6 122.2 183.4#
115 64.4 54.2 81.4



#5
2-Fluorophenol
Concen: 90.829 ng
RT: 5.832 min Scan# 416
Delta R.T. 0.003 min
Lab File: BG059793.D
Acq: 21 Nov 2023 15:30

Tgt Ion:112 Resp: 111090
Ion Ratio Lower Upper
112 100
64 59.3 49.5 74.3
63 46.7 37.4 56.2

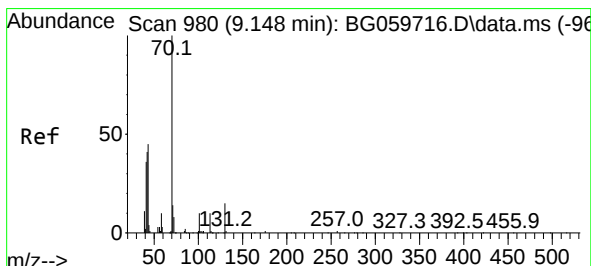
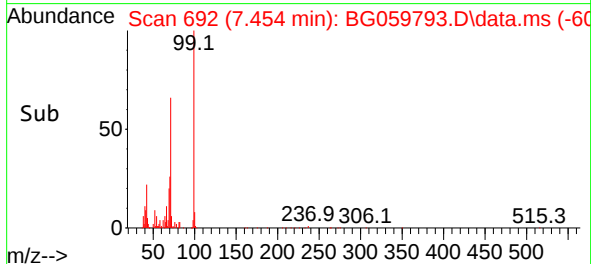
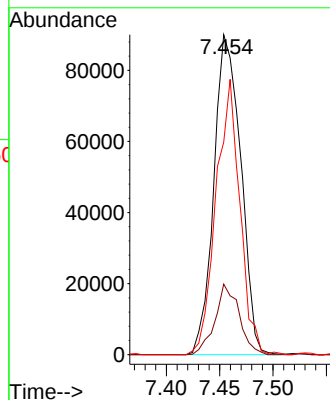
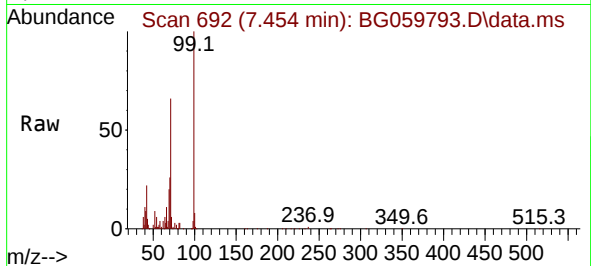




#7
Phenol-d6
Concen: 87.275 ng
RT: 7.454 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG059793.D
Acq: 21 Nov 2023 15:30

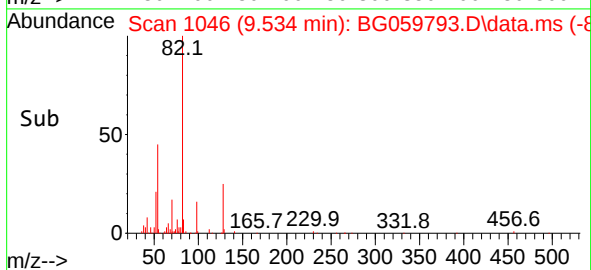
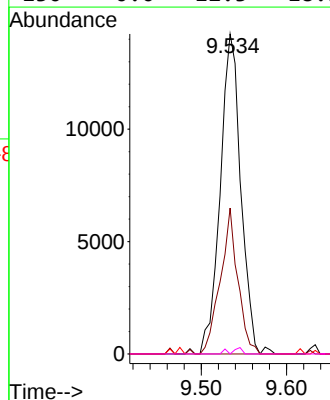
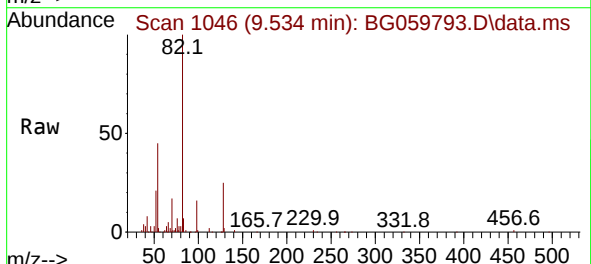
Instrument :
BNA_G
ClientSampleId :
WC-8

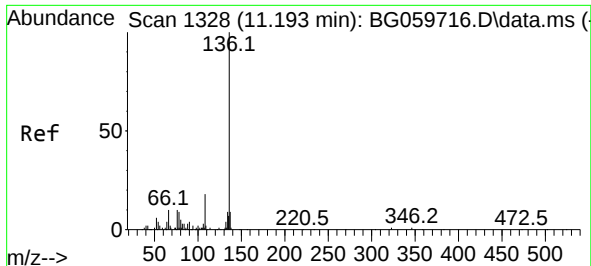
Tgt Ion: 99 Resp: 158183
Ion Ratio Lower Upper
99 100
42 22.1 14.3 21.5#
71 66.4 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 16.796 ng
RT: 9.534 min Scan# 1046
Delta R.T. 0.385 min
Lab File: BG059793.D
Acq: 21 Nov 2023 15:30

Tgt Ion: 70 Resp: 23973
Ion Ratio Lower Upper
70 100
42 45.6 32.8 49.2
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

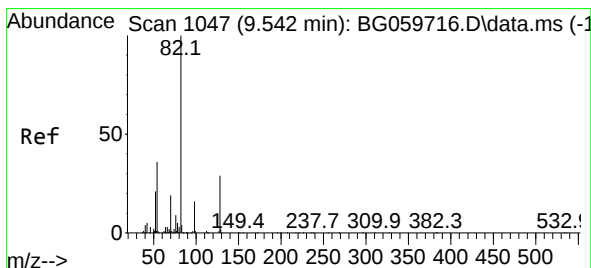
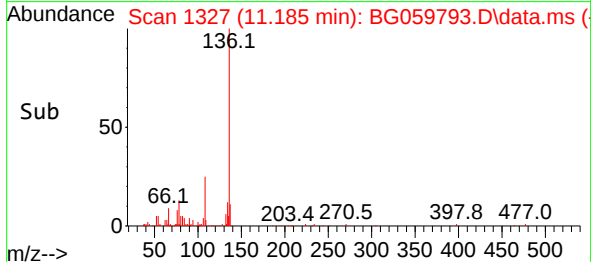
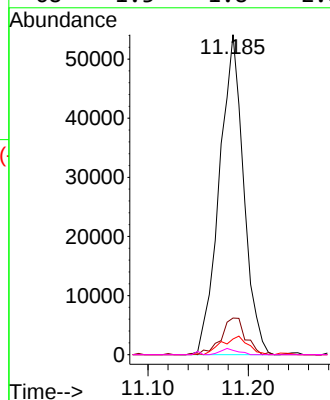
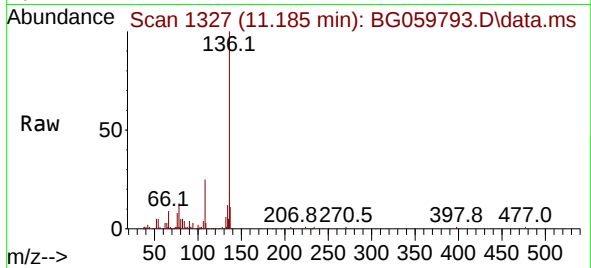




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.185 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG059793.D
Acq: 21 Nov 2023 15:30

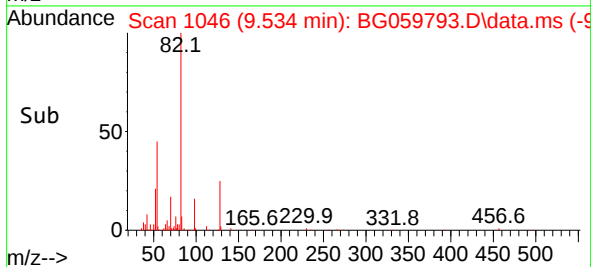
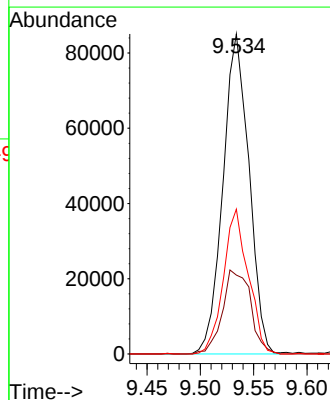
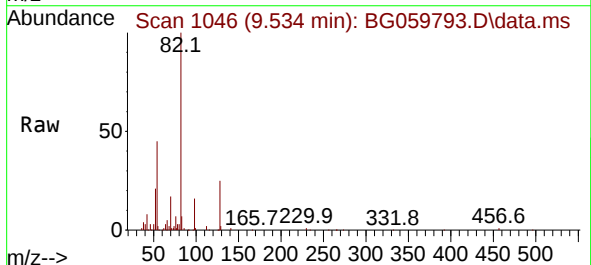
Instrument :
BNA_G
ClientSampleId :
WC-8

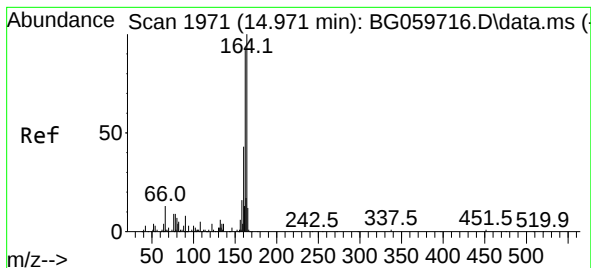
Tgt Ion:	136	Resp:	90910
Ion Ratio	Lower	Upper	
136	100		
137	11.5	7.4	11.0#
54	4.9	3.1	4.7#
68	1.3	1.8	2.8#



#23
Nitrobenzene-d5
Concen: 60.597 ng
RT: 9.534 min Scan# 1046
Delta R.T. -0.008 min
Lab File: BG059793.D
Acq: 21 Nov 2023 15:30

Tgt Ion:	82	Resp:	144242
Ion Ratio	Lower	Upper	
82	100		
128	24.7	23.0	34.6
54	45.2	28.7	43.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.963 min Scan# 1971

Delta R.T. -0.008 min

Lab File: BG059793.D

Acq: 21 Nov 2023 15:30

Instrument :

BNA_G

ClientSampleId :

WC-8

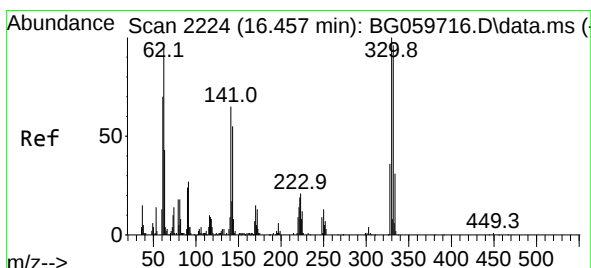
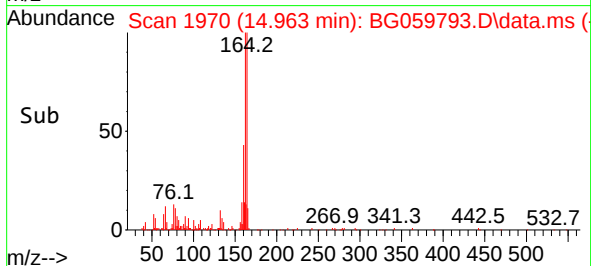
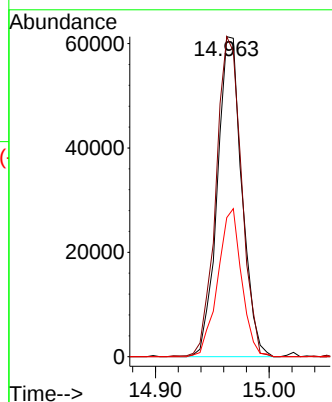
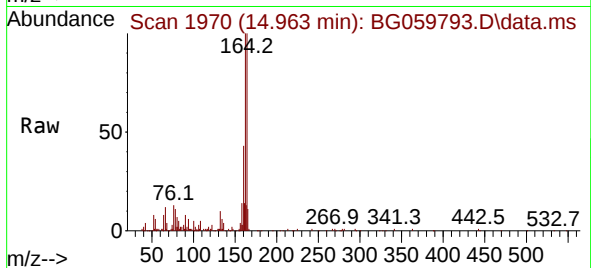
Tgt Ion:164 Resp: 92255

Ion Ratio Lower Upper

164 100

162 100.0 73.3 109.9

160 43.5 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 123.152 ng

RT: 16.455 min Scan# 2224

Delta R.T. -0.002 min

Lab File: BG059793.D

Acq: 21 Nov 2023 15:30

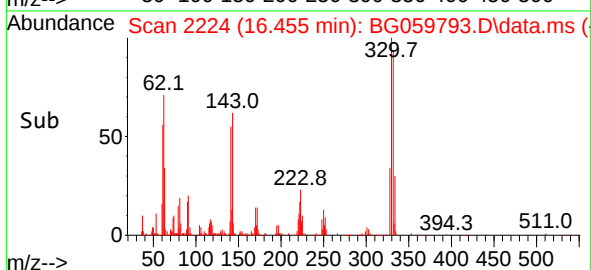
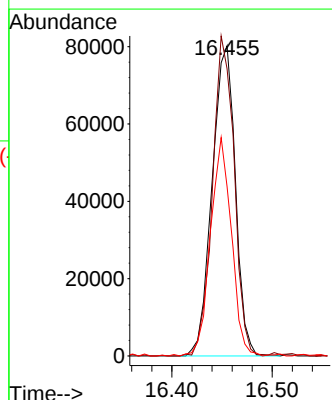
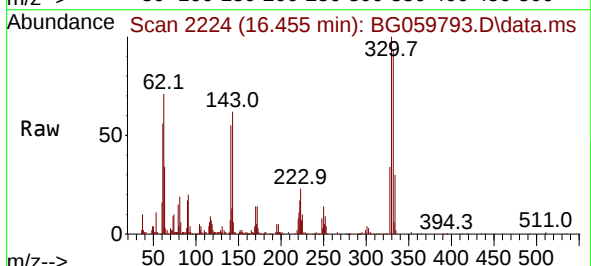
Tgt Ion:330 Resp: 128909

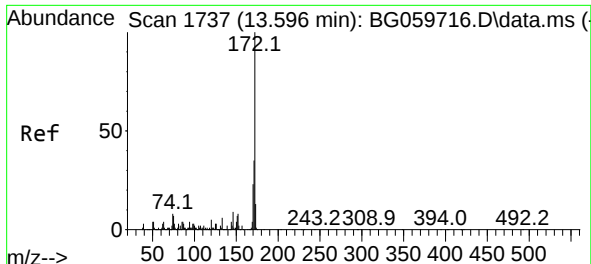
Ion Ratio Lower Upper

330 100

332 96.0 73.3 109.9

141 63.8 52.1 78.1

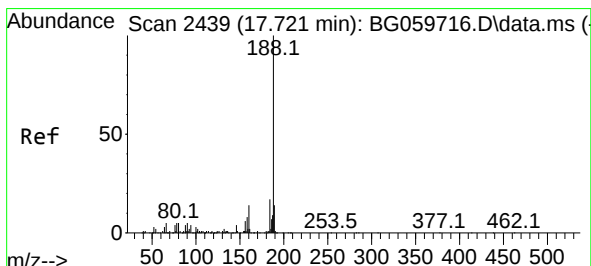
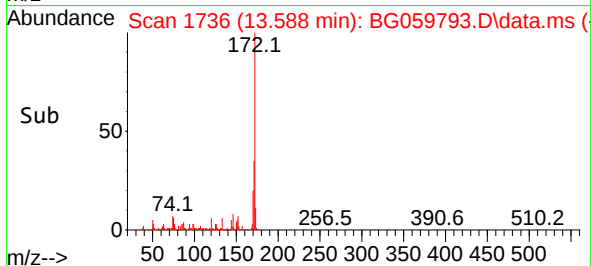
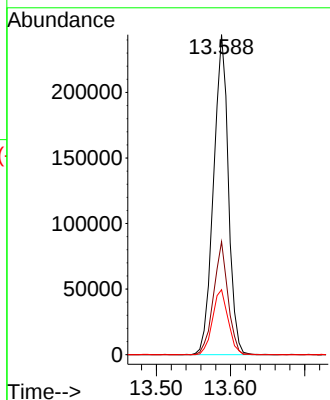
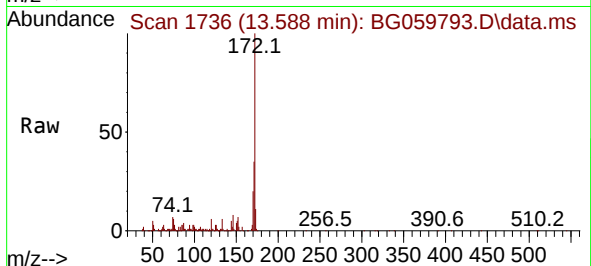




#45
2-Fluorobiphenyl
Concen: 49.334 ng
RT: 13.588 min Scan# 1736
Delta R.T. -0.008 min
Lab File: BG059793.D
Acq: 21 Nov 2023 15:30

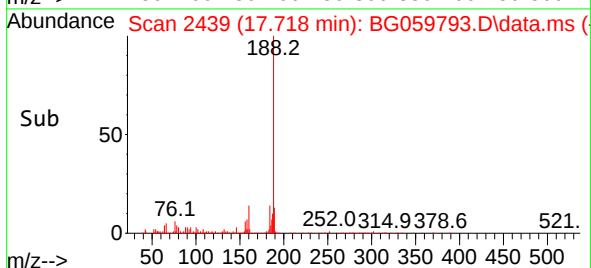
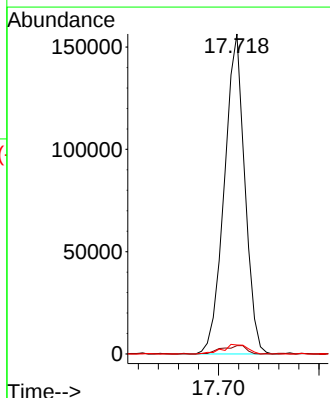
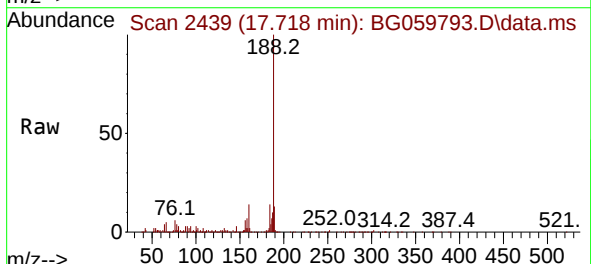
Instrument :
BNA_G
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WC-8

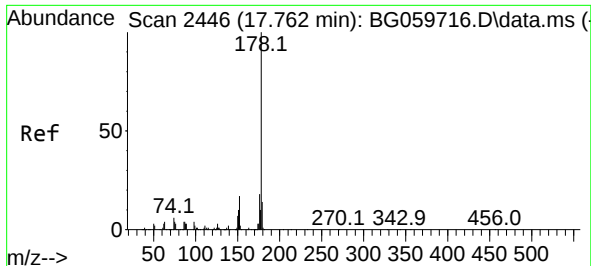
Tgt Ion:172 Resp: 338123
Ion Ratio Lower Upper
172 100
171 35.3 27.7 41.5
170 20.3 18.4 27.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.718 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG059793.D
Acq: 21 Nov 2023 15:30

Tgt Ion:188 Resp: 221342
Ion Ratio Lower Upper
188 100
94 2.6 3.0 4.4#
80 2.8 4.2 6.4#

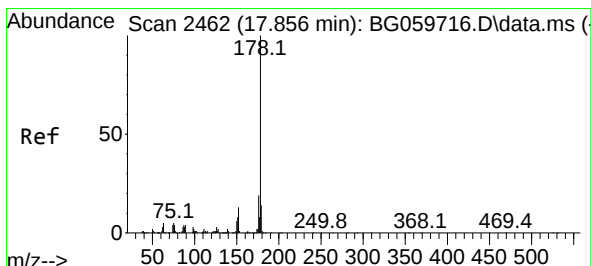
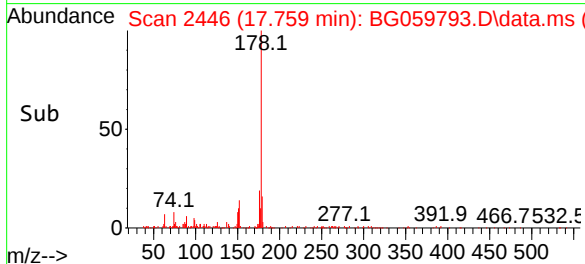
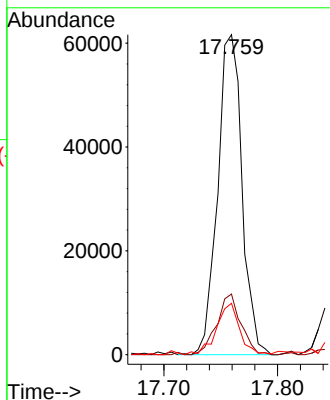
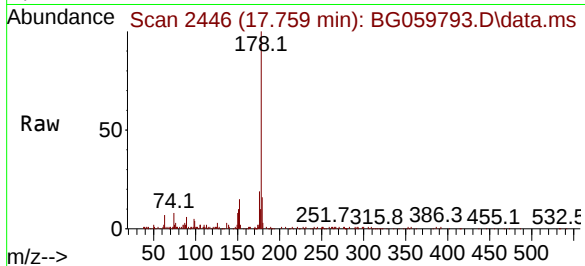




#71
Phenanthrene
Concen: 8.151 ng
RT: 17.759 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG059793.D
Acq: 21 Nov 2023 15:30

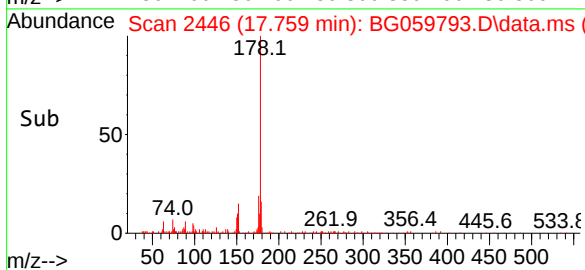
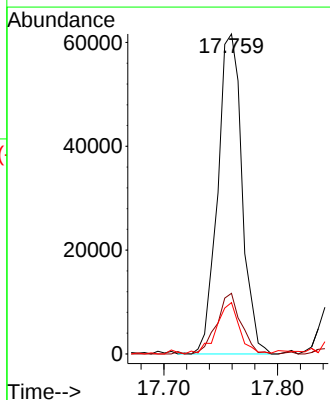
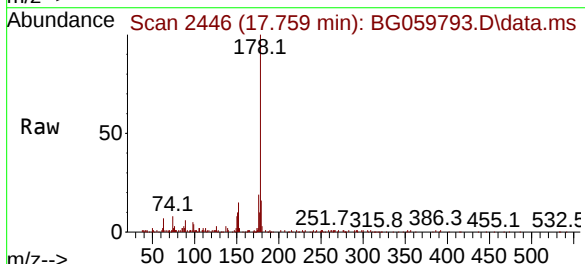
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BNA_G
ClientSampleId :
WC-8

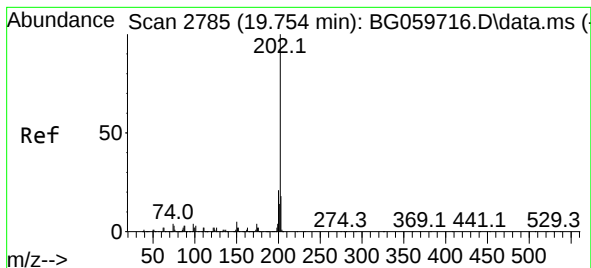
Tgt Ion:178 Resp: 91731
Ion Ratio Lower Upper
178 100
176 19.0 14.5 21.7
179 16.1 11.2 16.8



#72
Anthracene
Concen: 7.845 ng
RT: 17.759 min Scan# 2446
Delta R.T. -0.096 min
Lab File: BG059793.D
Acq: 21 Nov 2023 15:30

Tgt Ion:178 Resp: 91731
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.4
179 16.1 11.5 17.3





#75

Fluoranthene

Concen: 14.598 ng

RT: 19.751 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG059793.D

Acq: 21 Nov 2023 15:30

Instrument :

BNA_G

ClientSampleId :

WC-8

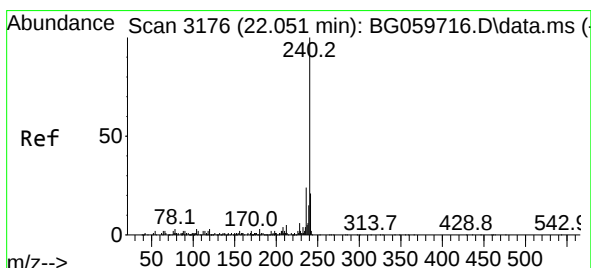
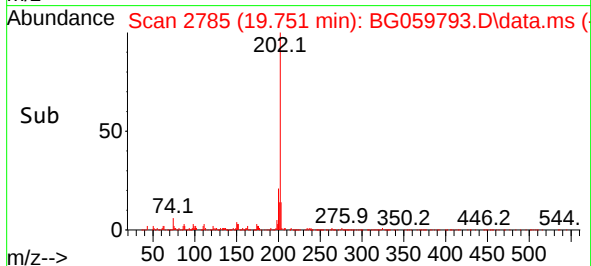
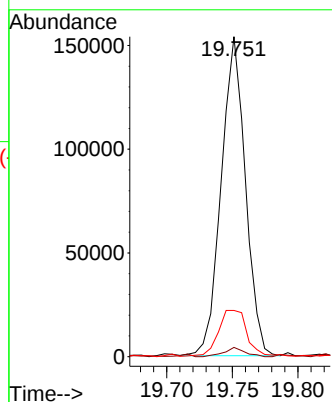
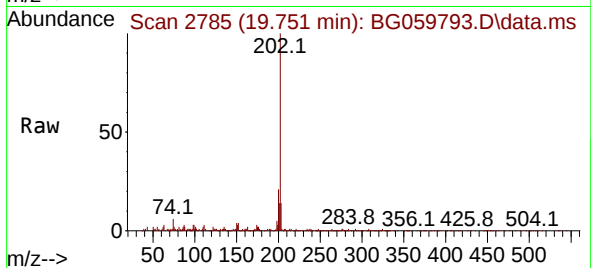
Tgt Ion:202 Resp: 197003

Ion Ratio Lower Upper

202 100

101 2.9 0.0 22.7

203 14.4 0.0 38.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.043 min Scan# 3175

Delta R.T. -0.008 min

Lab File: BG059793.D

Acq: 21 Nov 2023 15:30

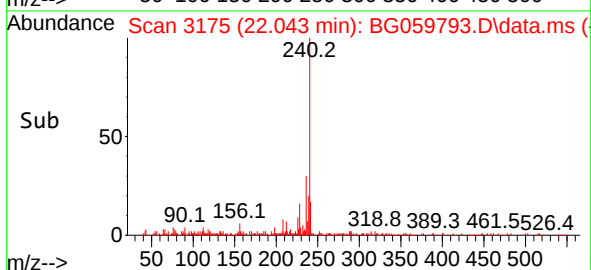
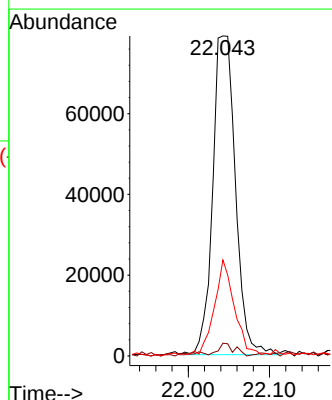
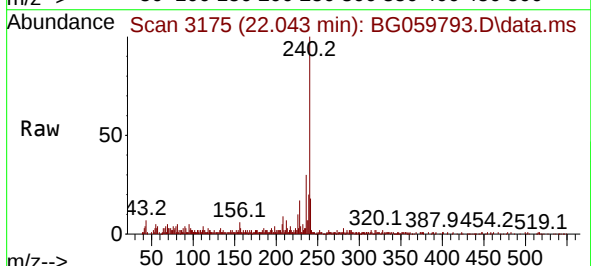
Tgt Ion:240 Resp: 154048

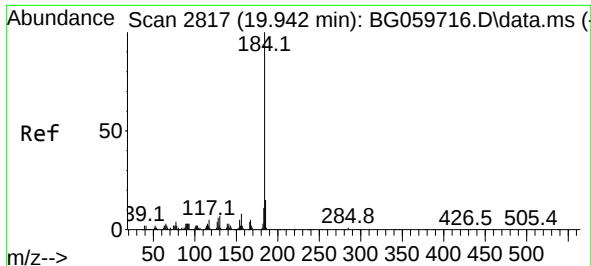
Ion Ratio Lower Upper

240 100

120 4.0 2.2 3.2#

236 30.0 19.4 29.2#

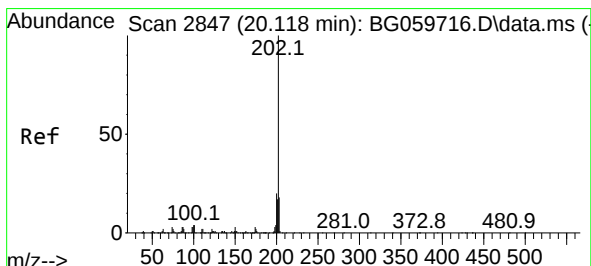
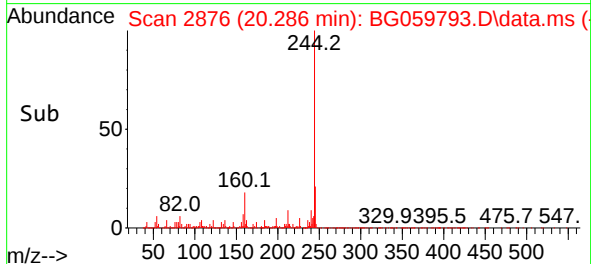
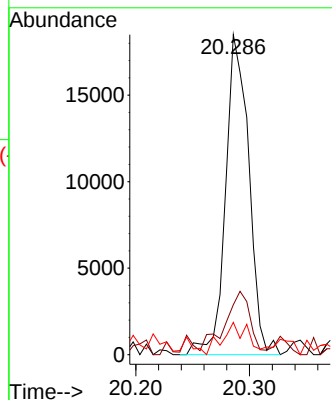
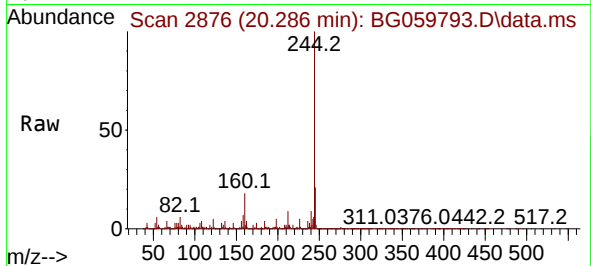




#77
Benzidine
Concen: 7.539 ng
RT: 20.286 min Scan# 21
Delta R.T. 0.344 min
Lab File: BG059793.D
Acq: 21 Nov 2023 15:30

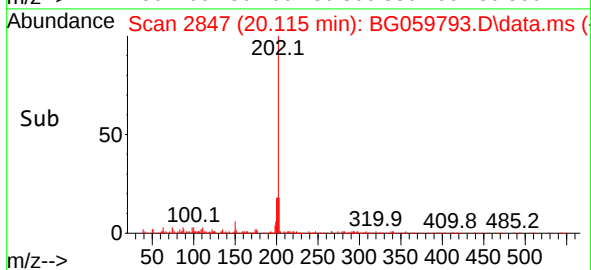
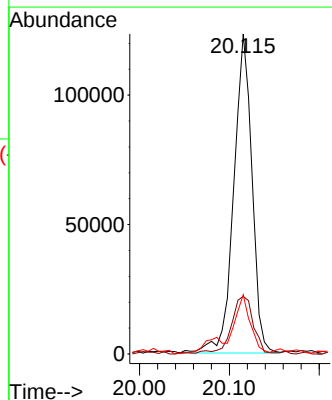
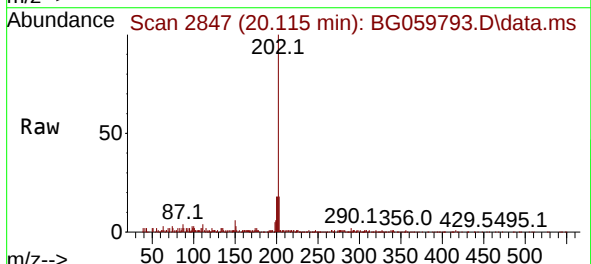
Instrument :
BNA_G
ClientSampleId :
WC-8

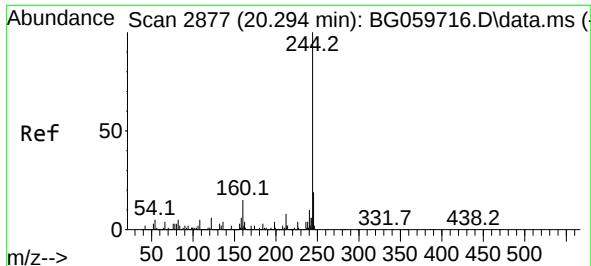
Tgt Ion:184 Resp: 26335
Ion Ratio Lower Upper
184 100
185 15.6 12.2 18.2
183 10.1 8.8 13.2



#78
Pyrene
Concen: 16.606 ng
RT: 20.115 min Scan# 2847
Delta R.T. -0.002 min
Lab File: BG059793.D
Acq: 21 Nov 2023 15:30

Tgt Ion:202 Resp: 174055
Ion Ratio Lower Upper
202 100
200 18.0 16.2 24.4
203 18.5 14.0 21.0

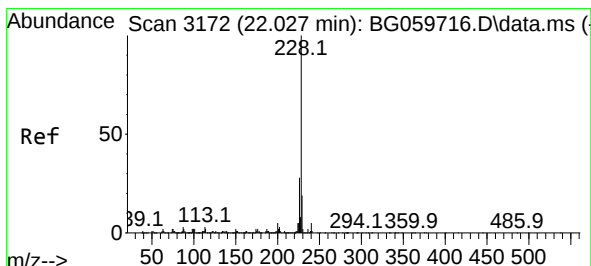
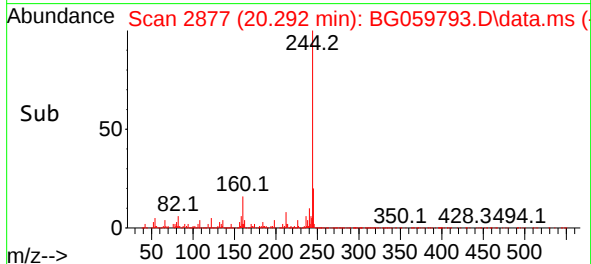
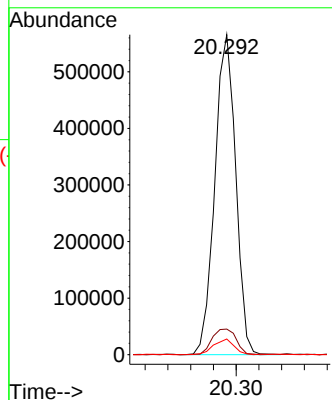
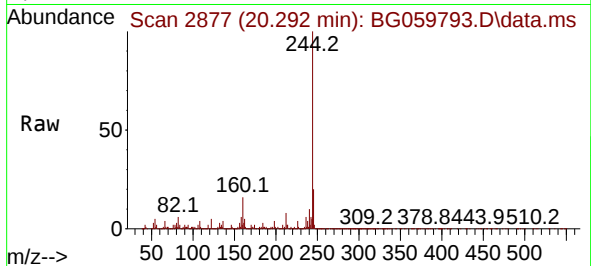




#79
 Terphenyl-d14
 Concen: 69.125 ng
 RT: 20.292 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG059793.D
 Acq: 21 Nov 2023 15:30

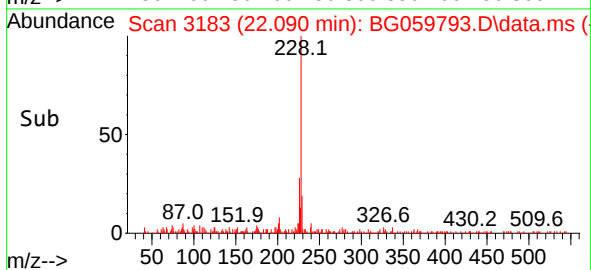
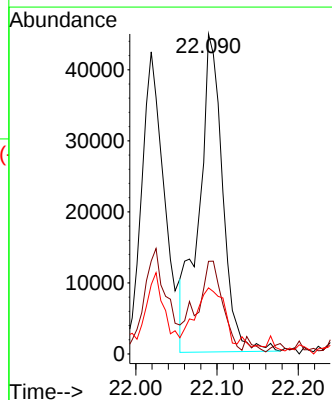
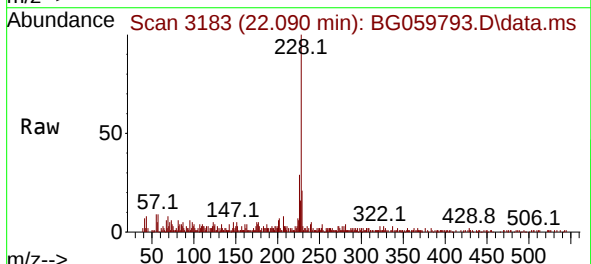
Instrument :
 BNA_G
 ClientSampleId :
 WC-8

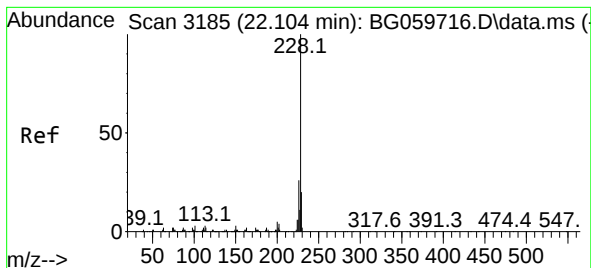
Tgt Ion:244 Resp: 721329
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 10.0
 122 4.9 4.4 6.6



#81
 Benzo(a)anthracene
 Concen: 8.606 ng
 RT: 22.090 min Scan# 3183
 Delta R.T. 0.062 min
 Lab File: BG059793.D
 Acq: 21 Nov 2023 15:30

Tgt Ion:228 Resp: 90705
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.1 33.1
 229 20.7 14.9 22.3





#83

Chrysene

Concen: 9.388 ng

RT: 22.090 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG059793.D

Acq: 21 Nov 2023 15:30

Instrument :

BNA_G

ClientSampleId :

WC-8

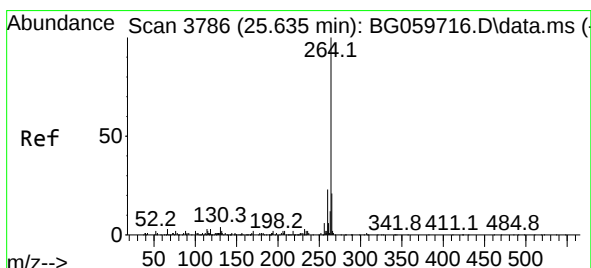
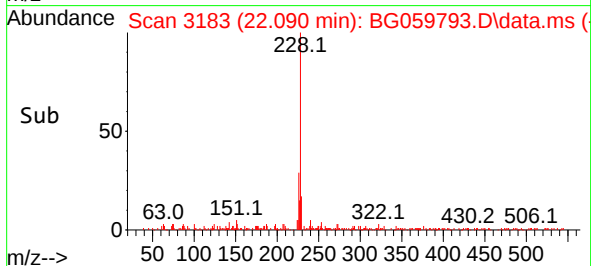
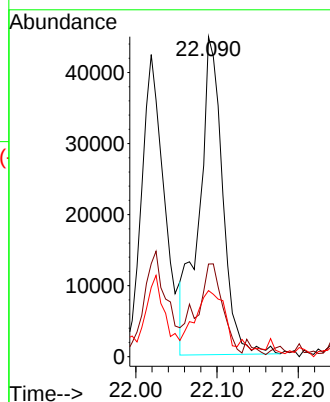
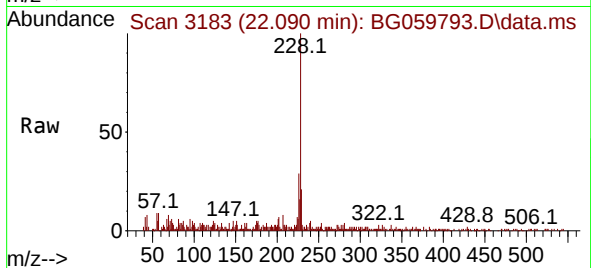
Tgt Ion:228 Resp: 90705

Ion Ratio Lower Upper

228 100

226 28.9 21.1 31.7

229 20.7 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.638 min Scan# 3787

Delta R.T. 0.003 min

Lab File: BG059793.D

Acq: 21 Nov 2023 15:30

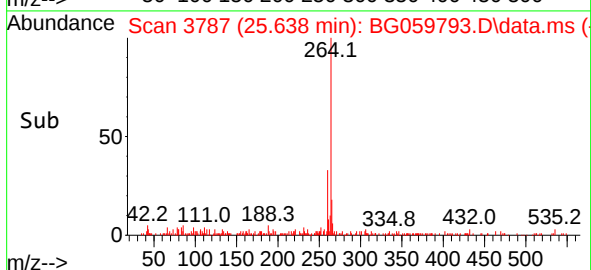
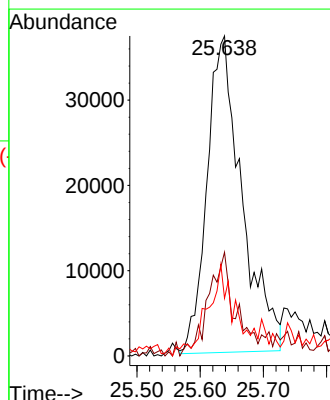
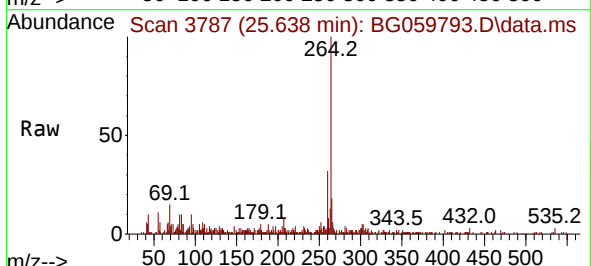
Tgt Ion:264 Resp: 142123

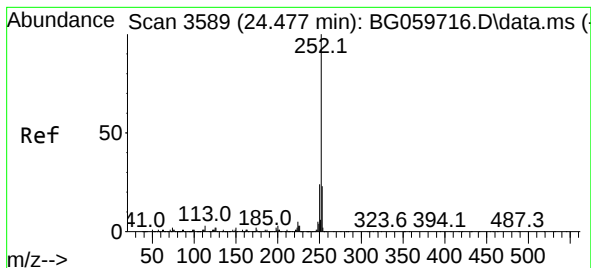
Ion Ratio Lower Upper

264 100

260 32.4 18.5 27.7#

265 18.0 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 13.424 ng

RT: 24.475 min Scan# 3589

Delta R.T. -0.002 min

Lab File: BG059793.D

Acq: 21 Nov 2023 15:30

Instrument :

BNA_G

ClientSampleId :

WC-8

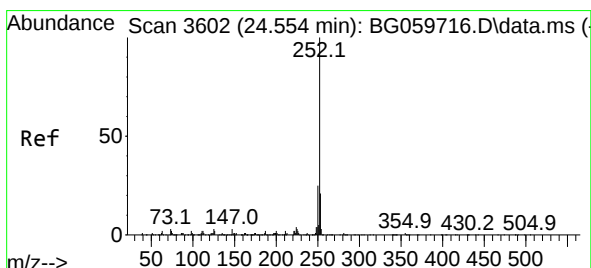
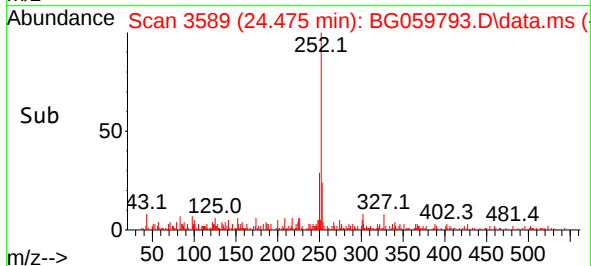
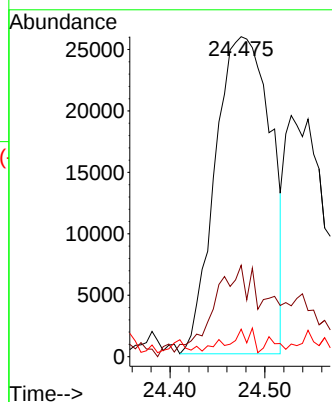
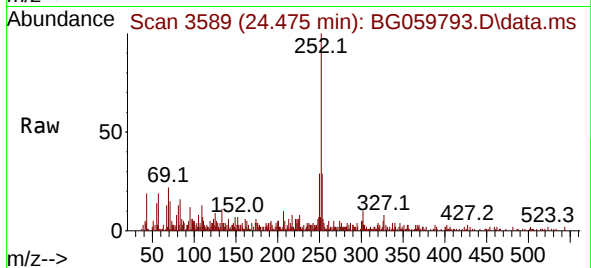
Tgt Ion:252 Resp: 104571

Ion Ratio Lower Upper

252 100

253 28.6 18.3 27.5#

125 10.4 1.4 2.0#



#89

Benzo(k)fluoranthene

Concen: 5.963 ng

RT: 24.528 min Scan# 3598

Delta R.T. -0.026 min

Lab File: BG059793.D

Acq: 21 Nov 2023 15:30

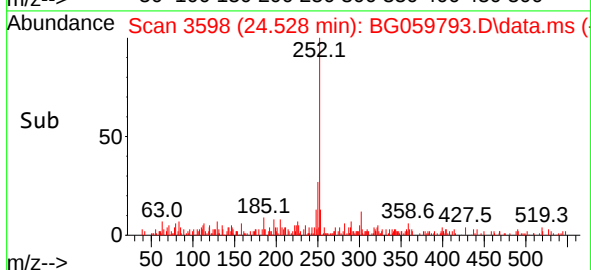
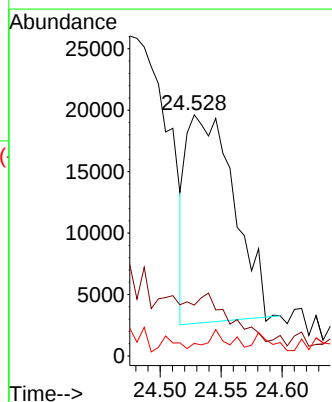
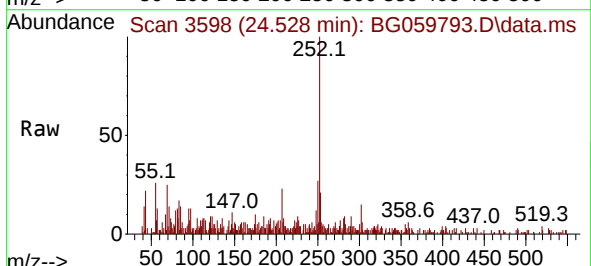
Tgt Ion:252 Resp: 45925

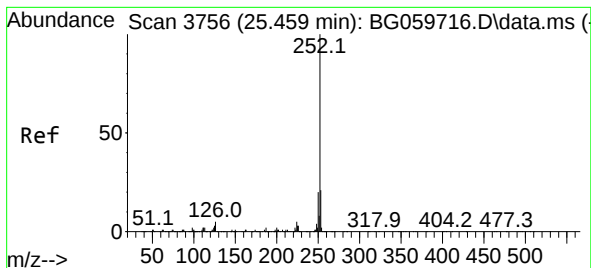
Ion Ratio Lower Upper

252 100

253 21.1 17.1 25.7

125 5.2 2.2 3.2#





#90

Benzo(a)pyrene

Concen: 8.385 ng

RT: 25.462 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG059793.D

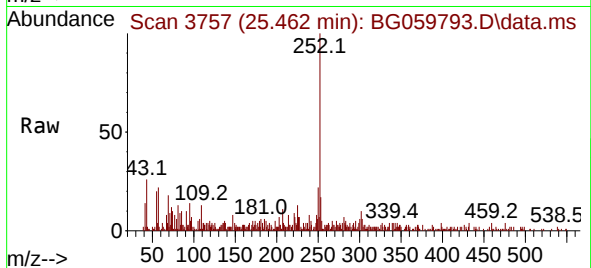
Acq: 21 Nov 2023 15:30

Instrument :

BNA_G

ClientSampleId :

WC-8



Tgt Ion:252 Resp: 69712

Ion Ratio Lower Upper

252 100

253 16.9 16.8 25.2

125 4.2 2.0 3.0#

