

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059791.D
 Acq On : 21 Nov 2023 14:09
 Operator : MA/JU
 Sample : 05379-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-5

Quant Time: Nov 22 09:52:24 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)

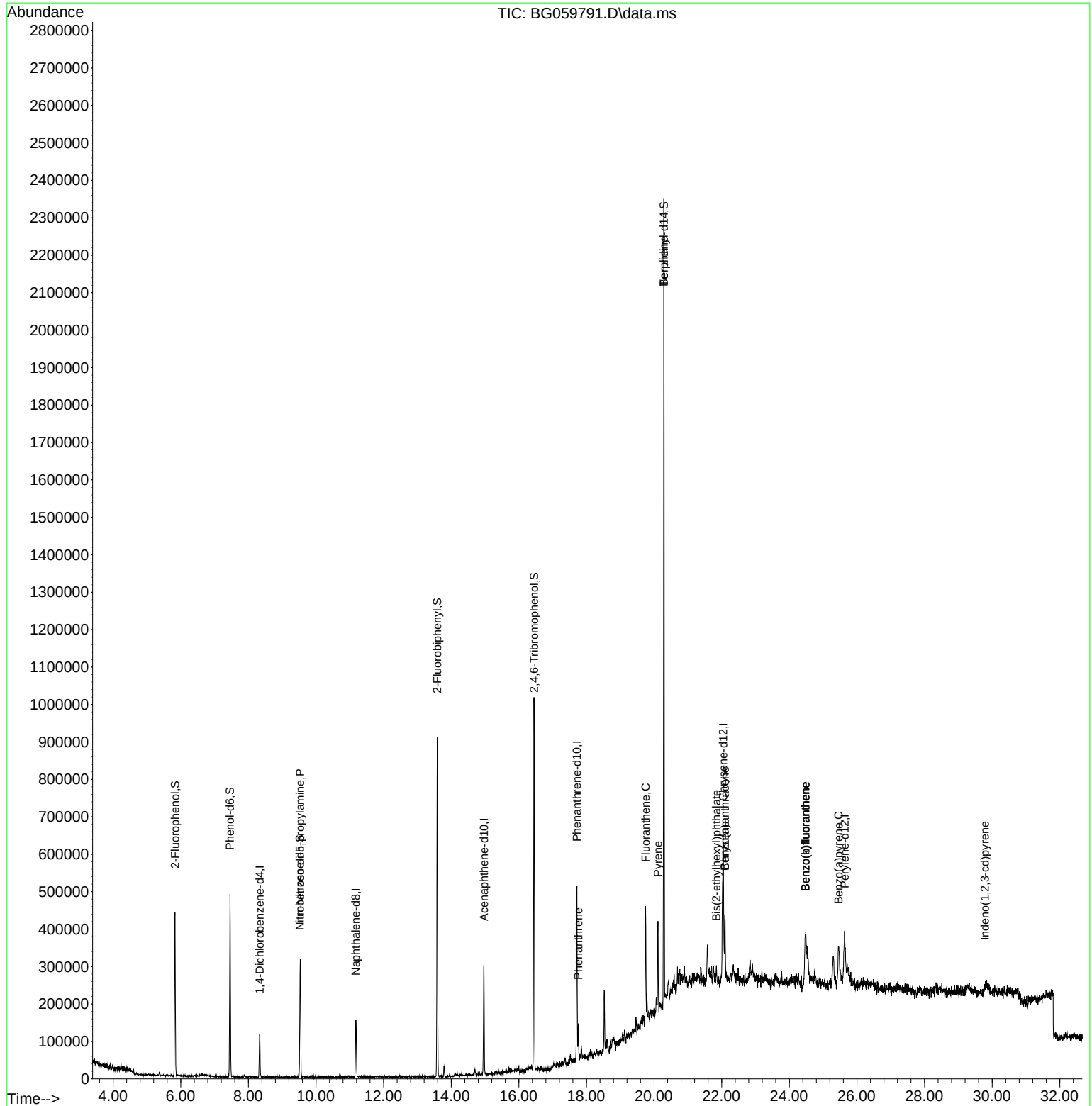
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.341	152	23593	20.000	ng	0.00
21) Naphthalene-d8	11.179	136	106239	20.000	ng	#-0.01
39) Acenaphthene-d10	14.968	164	92901	20.000	ng	0.00
64) Phenanthrene-d10	17.718	188	252002	20.000	ng	# 0.00
76) Chrysene-d12	22.048	240	164367	20.000	ng	# 0.00
86) Perylene-d12	25.638	264	185386	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.832	112	149305	106.515	ng	0.00
7) Phenol-d6	7.459	99	206275	99.303	ng	0.00
23) Nitrobenzene-d5	9.528	82	201284	72.360	ng	-0.01
42) 2,4,6-Tribromophenol	16.455	330	136236	129.247	ng	0.00
45) 2-Fluorobiphenyl	13.587	172	393227	56.975	ng	0.00
79) Terphenyl-d14	20.291	244	812278	72.954	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.533	70	33901	20.725	ng	# 84
71) Phenanthrene	17.759	178	49242	3.843	ng	# 88
75) Fluoranthene	19.751	202	176137	11.464	ng	95
77) Benzidine	20.291	184	25505	6.843	ng	95
78) Pyrene	20.115	202	148409	13.270	ng	97
81) Benzo(a)anthracene	22.095	228	113077	10.055	ng	96
83) Chrysene	22.095	228	113077	10.968	ng	96
84) Bis(2-ethylhexyl)phtha...	21.843	149	19976	3.116	ng	# 93
87) Indeno(1,2,3-cd)pyrene	29.786	276	34922	2.490	ng	# 59
88) Benzo(b)fluoranthene	24.481	252	220977	21.748	ng	# 98
89) Benzo(k)fluoranthene	24.481	252	220977	21.998	ng	95
90) Benzo(a)pyrene	25.456	252	151422	13.964	ng	96

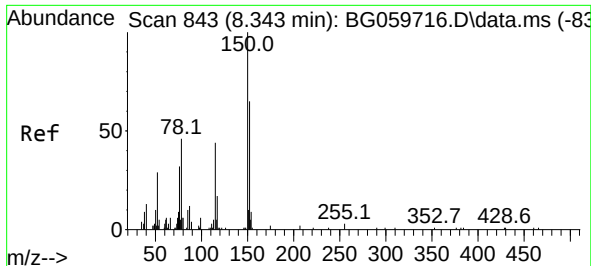
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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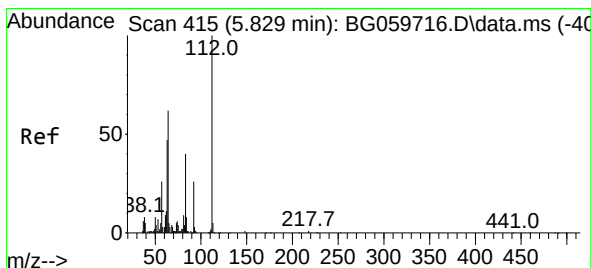
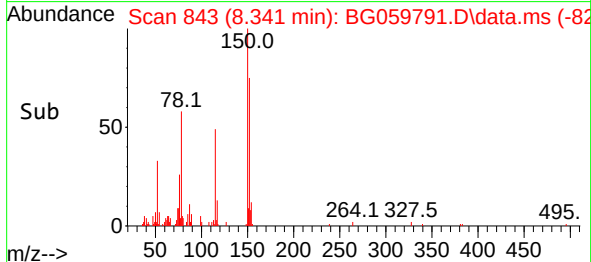
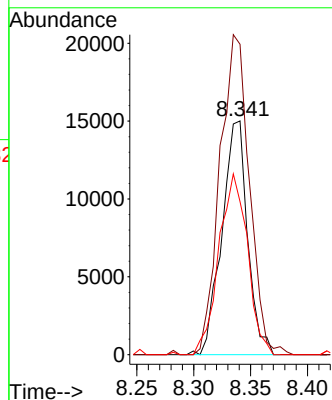
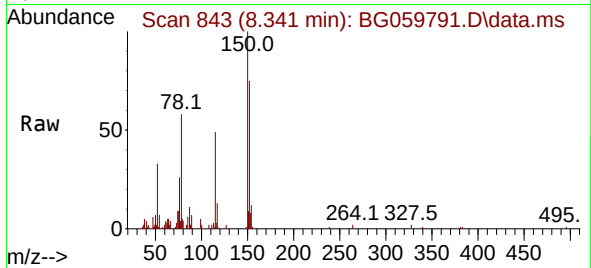




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.341 min Scan# 843
Delta R.T. -0.002 min
Lab File: BG059791.D
Acq: 21 Nov 2023 14:09

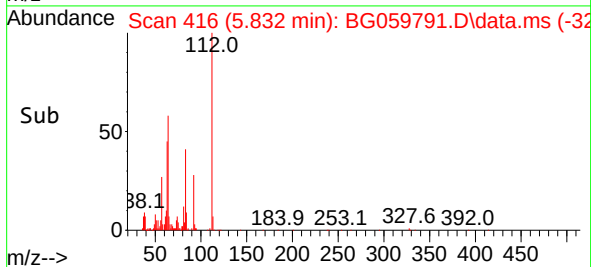
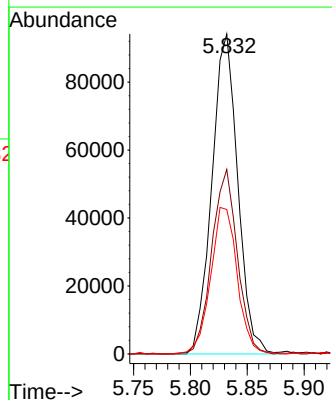
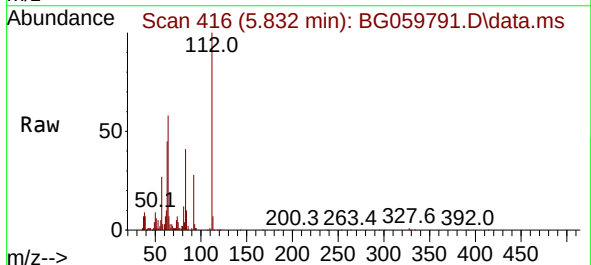
Instrument :
BNA_G
ClientSampleId :
WC-5

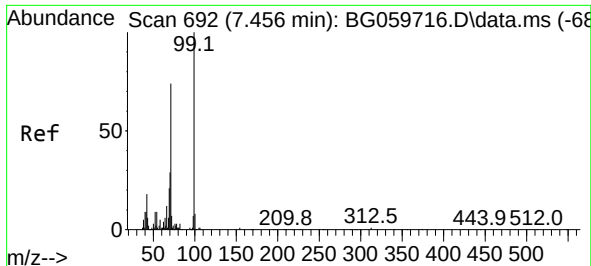
Tgt Ion:152 Resp: 23593
Ion Ratio Lower Upper
152 100
150 132.8 122.2 183.4
115 65.4 54.2 81.4



#5
2-Fluorophenol
Concen: 106.515 ng
RT: 5.832 min Scan# 416
Delta R.T. 0.003 min
Lab File: BG059791.D
Acq: 21 Nov 2023 14:09

Tgt Ion:112 Resp: 149305
Ion Ratio Lower Upper
112 100
64 57.6 49.5 74.3
63 45.1 37.4 56.2

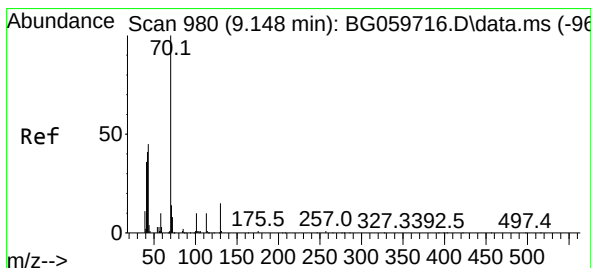
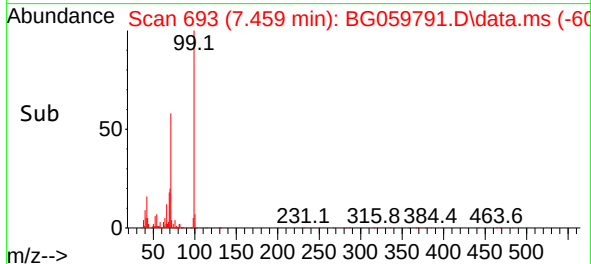
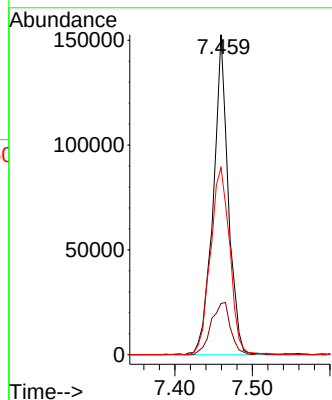
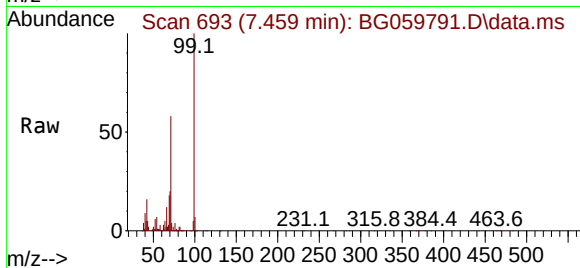




#7
Phenol-d6
Concen: 99.303 ng
RT: 7.459 min Scan# 692
Delta R.T. 0.003 min
Lab File: BG059791.D
Acq: 21 Nov 2023 14:09

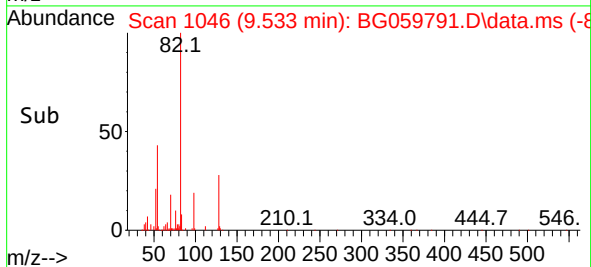
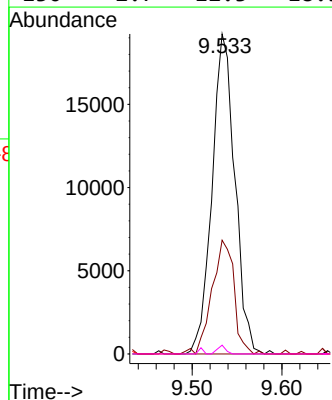
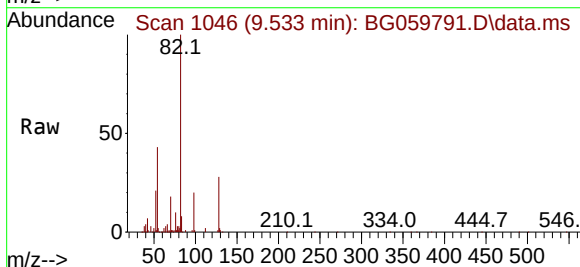
Instrument :
BNA_G
ClientSampleId :
WC-5

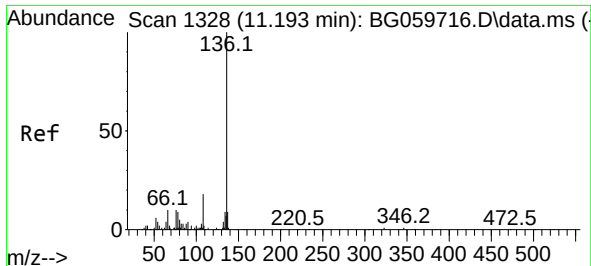
Tgt Ion: 99 Resp: 206275
Ion Ratio Lower Upper
99 100
42 16.0 14.3 21.5
71 58.5 59.3 88.9#



#19
n-Nitroso-di-n-propylamine
Concen: 20.725 ng
RT: 9.533 min Scan# 1046
Delta R.T. 0.385 min
Lab File: BG059791.D
Acq: 21 Nov 2023 14:09

Tgt Ion: 70 Resp: 33901
Ion Ratio Lower Upper
70 100
42 35.6 32.8 49.2
101 0.0 7.7 11.5#
130 2.7 12.3 18.5#

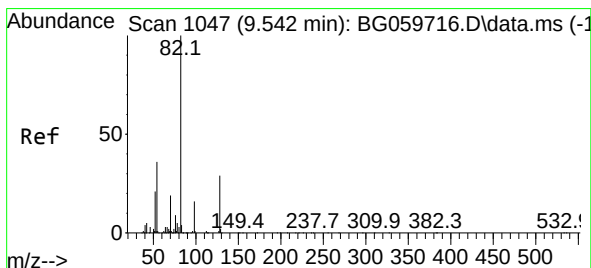
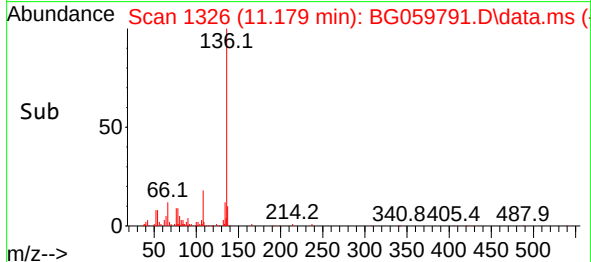
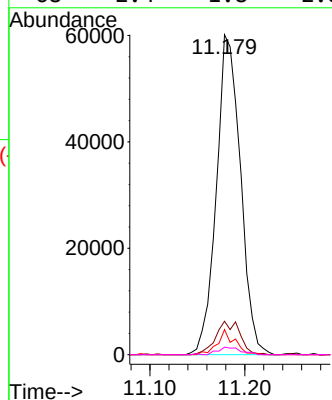
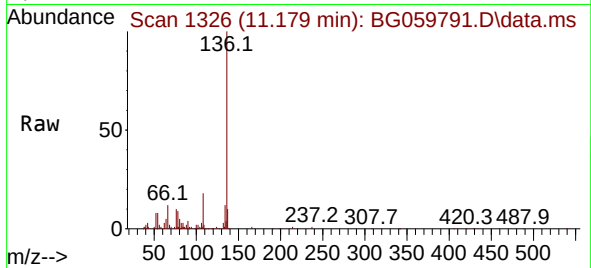




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.179 min Scan# 111
Delta R.T. -0.014 min
Lab File: BG059791.D
Acq: 21 Nov 2023 14:09

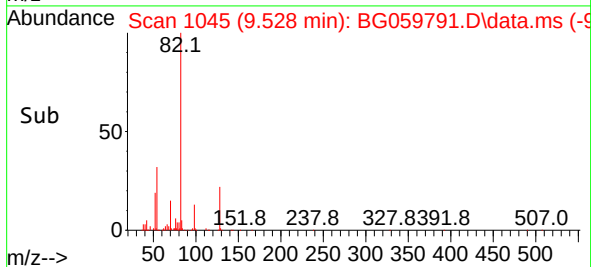
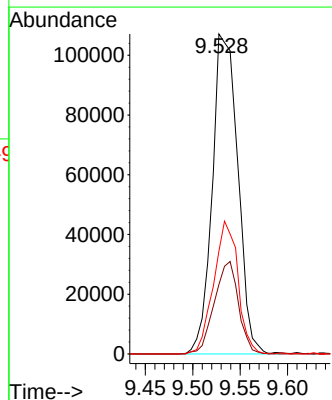
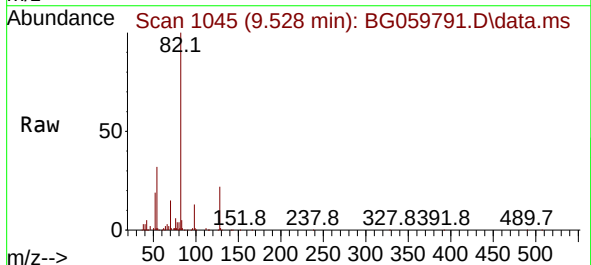
Instrument :
BNA_G
ClientSampleId :
WC-5

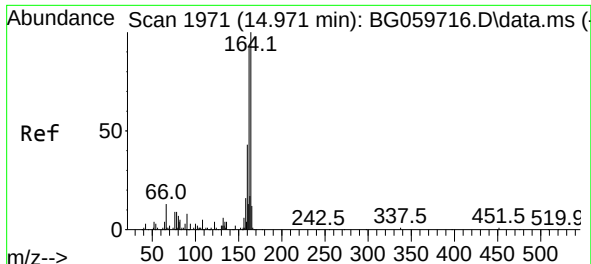
Tgt Ion:136 Resp: 106239
Ion Ratio Lower Upper
136 100
137 10.5 7.4 11.0
54 7.8 3.1 4.7#
68 2.4 1.8 2.8



#23
Nitrobenzene-d5
Concen: 72.360 ng
RT: 9.528 min Scan# 1045
Delta R.T. -0.014 min
Lab File: BG059791.D
Acq: 21 Nov 2023 14:09

Tgt Ion: 82 Resp: 201284
Ion Ratio Lower Upper
82 100
128 21.7 23.0 34.6#
54 32.1 28.7 43.1

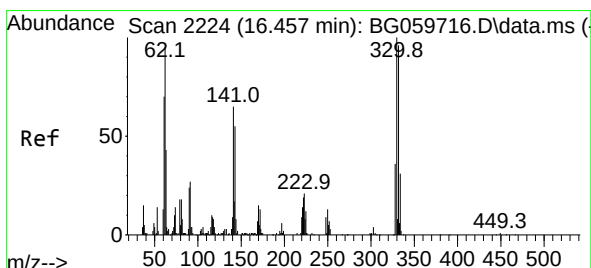
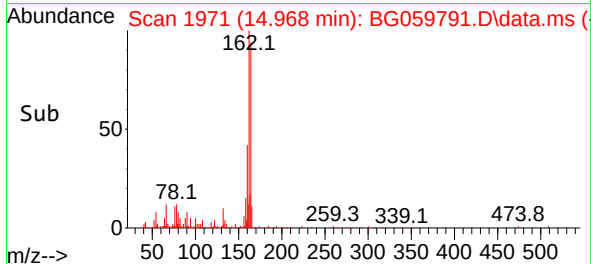
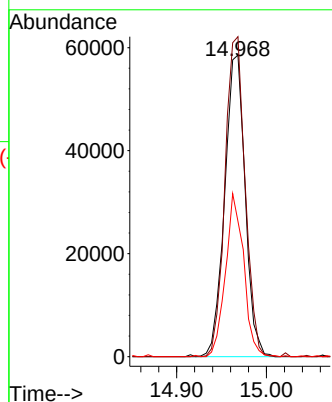
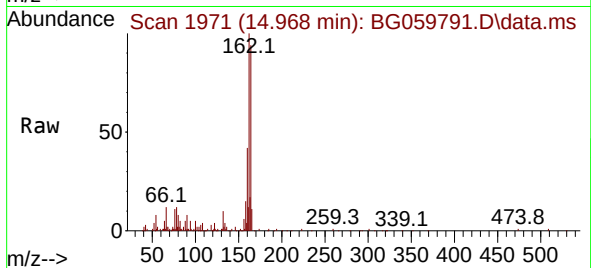




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.968 min Scan# 1971
Delta R.T. -0.003 min
Lab File: BG059791.D
Acq: 21 Nov 2023 14:09

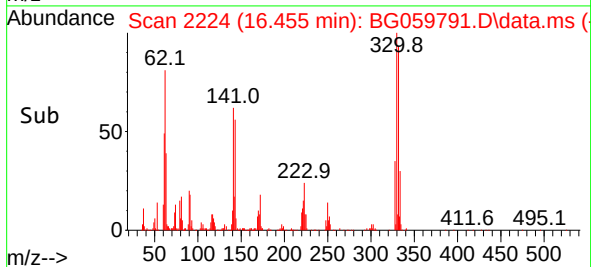
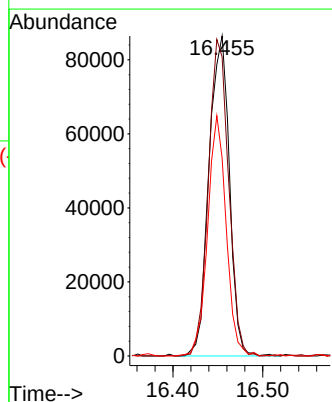
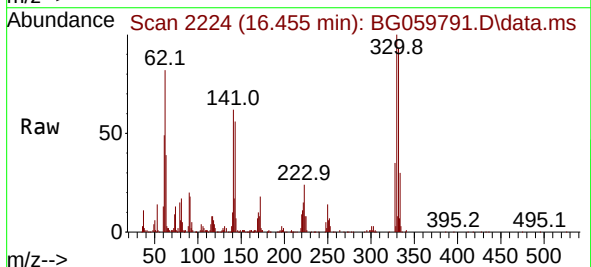
Instrument :
BNA_G
ClientSampleId :
WC-5

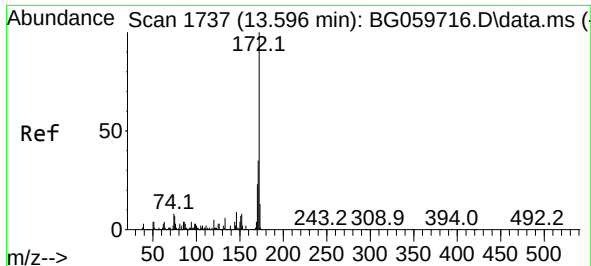
Tgt Ion:164 Resp: 92901
Ion Ratio Lower Upper
164 100
162 106.1 73.3 109.9
160 44.9 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 129.247 ng
RT: 16.455 min Scan# 2224
Delta R.T. -0.003 min
Lab File: BG059791.D
Acq: 21 Nov 2023 14:09

Tgt Ion:330 Resp: 136236
Ion Ratio Lower Upper
330 100
332 98.4 73.3 109.9
141 68.2 52.1 78.1

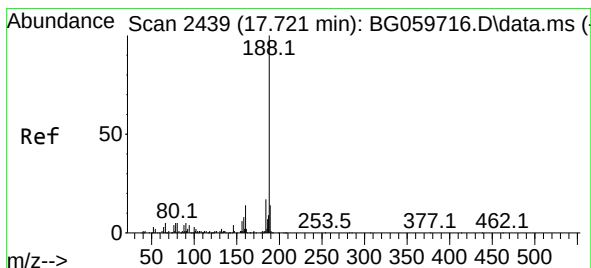
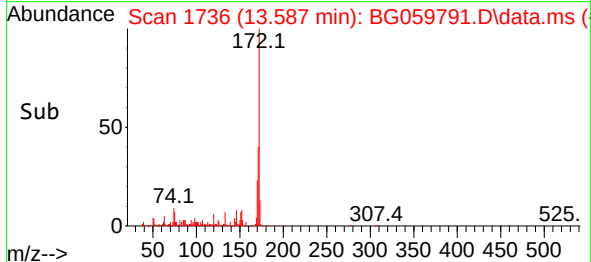
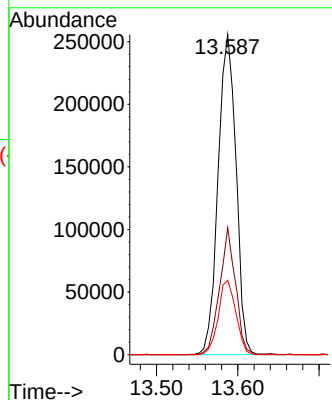
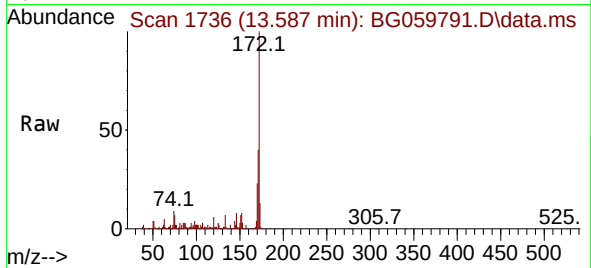




#45
2-Fluorobiphenyl
Concen: 56.975 ng
RT: 13.587 min Scan# 1736
Delta R.T. -0.009 min
Lab File: BG059791.D
Acq: 21 Nov 2023 14:09

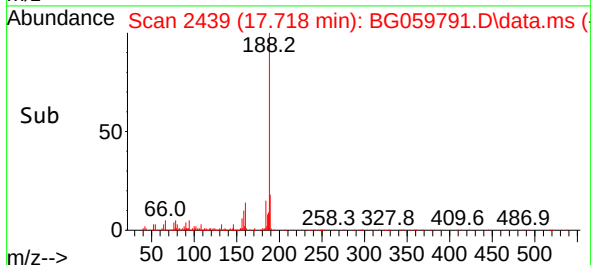
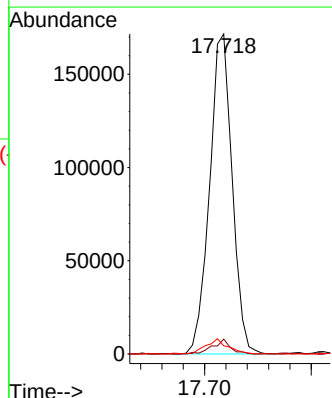
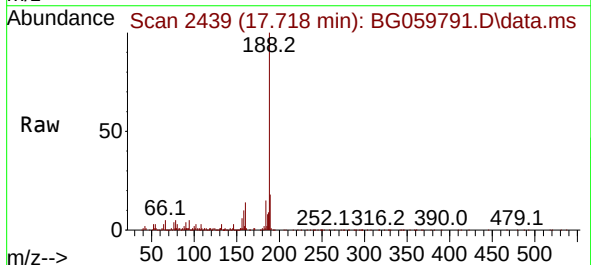
Instrument :
BNA_G
ClientSampleId :
WC-5

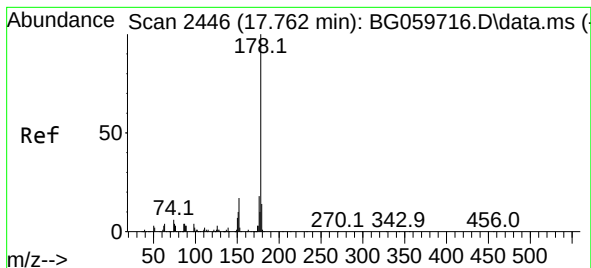
Tgt Ion:172 Resp: 393227
Ion Ratio Lower Upper
172 100
171 39.7 27.7 41.5
170 23.3 18.4 27.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.718 min Scan# 2439
Delta R.T. -0.003 min
Lab File: BG059791.D
Acq: 21 Nov 2023 14:09

Tgt Ion:188 Resp: 252002
Ion Ratio Lower Upper
188 100
94 4.7 3.0 4.4#
80 2.5 4.2 6.4#





#71

Phenanthrene

Concen: 3.843 ng

RT: 17.759 min Scan# 2446

Delta R.T. -0.003 min

Lab File: BG059791.D

Acq: 21 Nov 2023 14:09

Instrument :

BNA_G

ClientSampleId :

WC-5

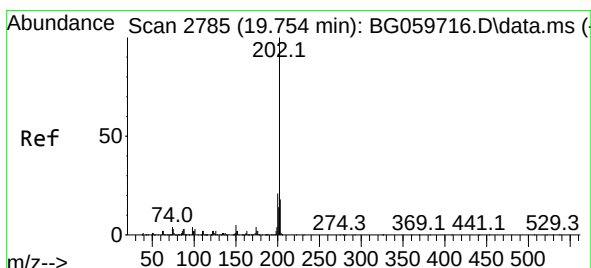
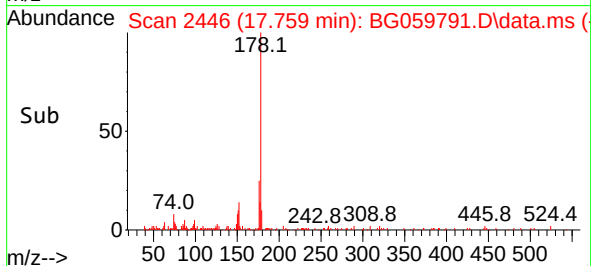
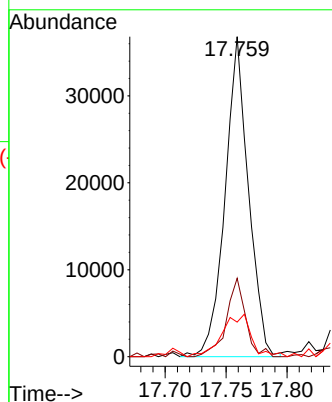
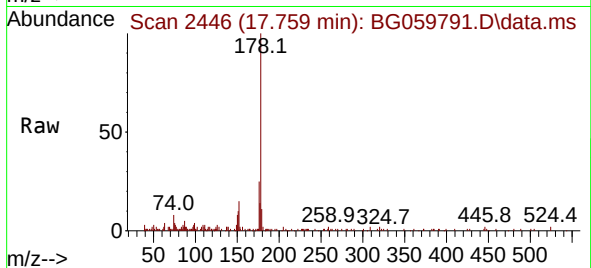
Tgt Ion:178 Resp: 49242

Ion Ratio Lower Upper

178 100

176 24.5 14.5 21.7#

179 10.8 11.2 16.8#



#75

Fluoranthene

Concen: 11.464 ng

RT: 19.751 min Scan# 2785

Delta R.T. -0.003 min

Lab File: BG059791.D

Acq: 21 Nov 2023 14:09

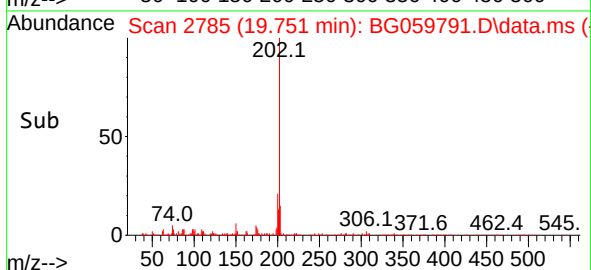
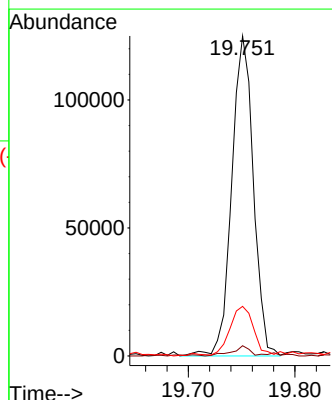
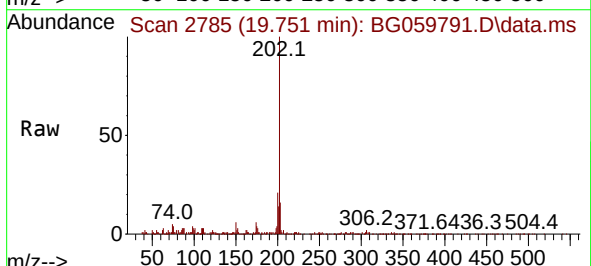
Tgt Ion:202 Resp: 176137

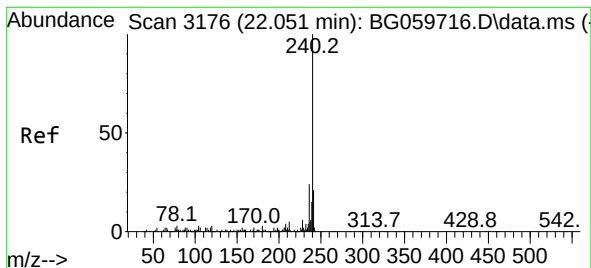
Ion Ratio Lower Upper

202 100

101 3.2 0.0 22.7

203 15.5 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.048 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG059791.D

Acq: 21 Nov 2023 14:09

Instrument :

BNA_G

ClientSampleId :

WC-5

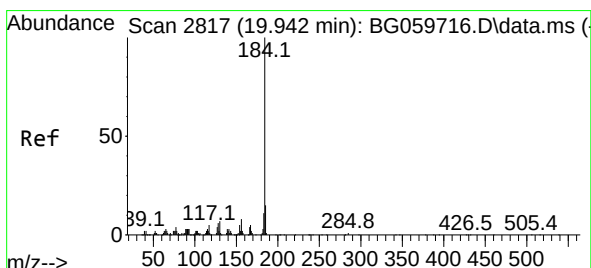
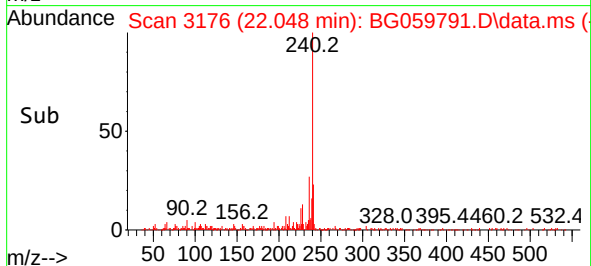
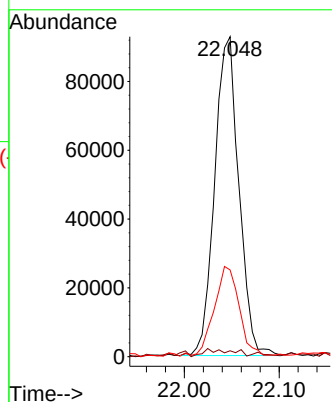
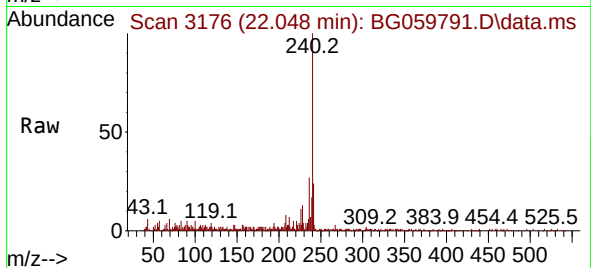
Tgt Ion:240 Resp: 164367

Ion Ratio Lower Upper

240 100

120 1.9 2.2 3.2#

236 27.1 19.4 29.2



#77

Benzidine

Concen: 6.843 ng

RT: 20.291 min Scan# 2877

Delta R.T. 0.350 min

Lab File: BG059791.D

Acq: 21 Nov 2023 14:09

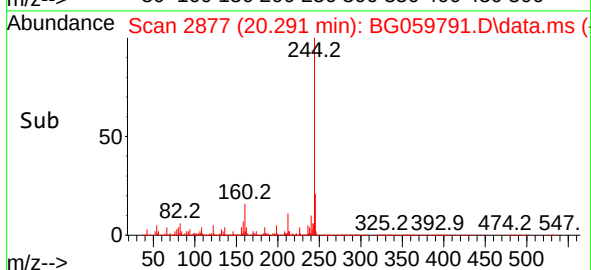
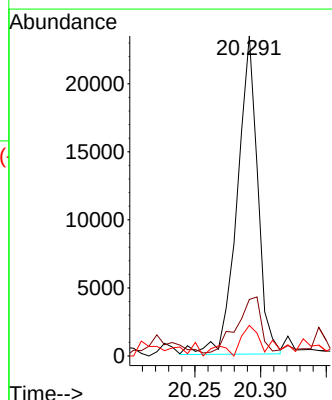
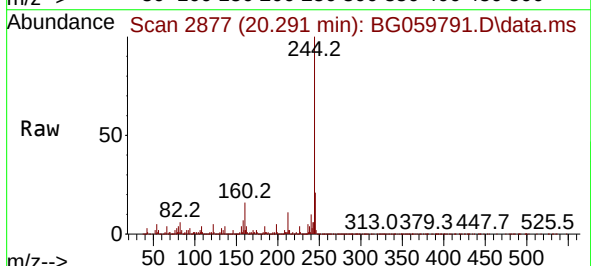
Tgt Ion:184 Resp: 25505

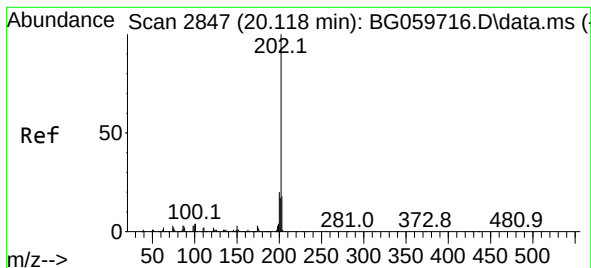
Ion Ratio Lower Upper

184 100

185 17.6 12.2 18.2

183 9.5 8.8 13.2





#78

Pyrene

Concen: 13.270 ng

RT: 20.115 min Scan# 2847

Delta R.T. -0.003 min

Lab File: BG059791.D

Acq: 21 Nov 2023 14:09

Instrument :

BNA_G

ClientSampleId :

WC-5

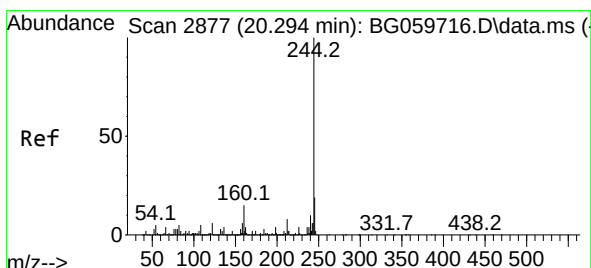
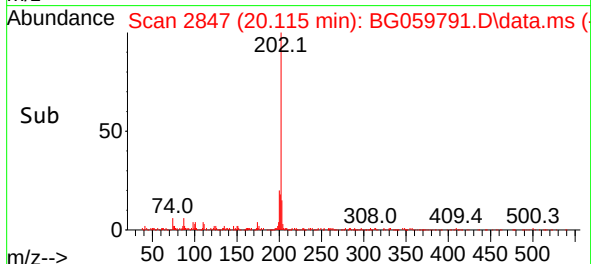
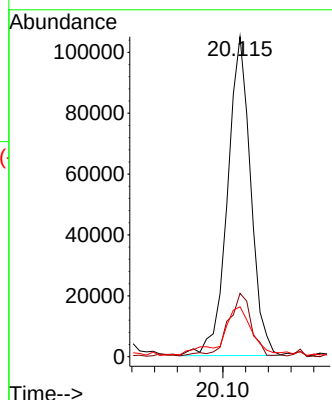
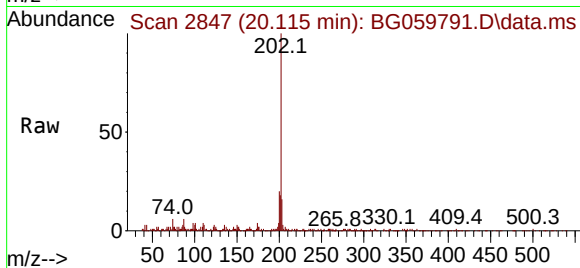
Tgt Ion:202 Resp: 148409

Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.4

203 15.6 14.0 21.0



#79

Terphenyl-d14

Concen: 72.954 ng

RT: 20.291 min Scan# 2877

Delta R.T. -0.003 min

Lab File: BG059791.D

Acq: 21 Nov 2023 14:09

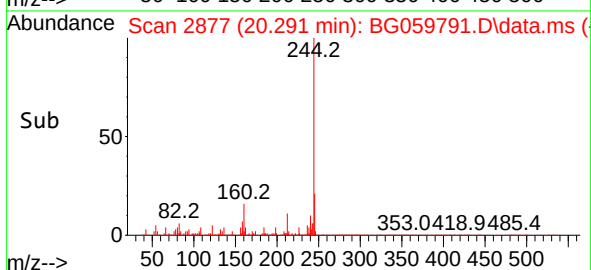
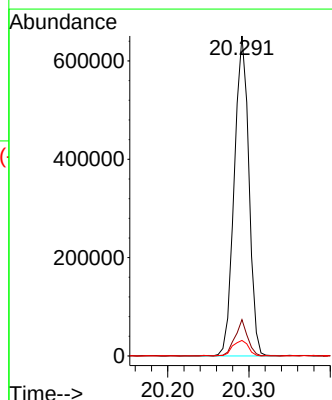
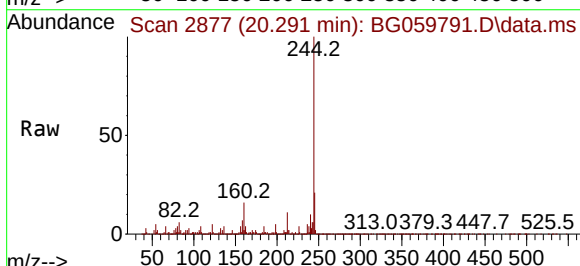
Tgt Ion:244 Resp: 812278

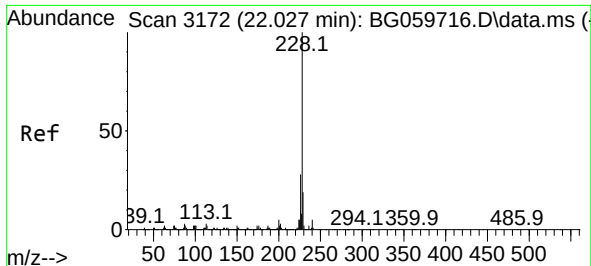
Ion Ratio Lower Upper

244 100

212 11.4 6.6 10.0#

122 4.8 4.4 6.6

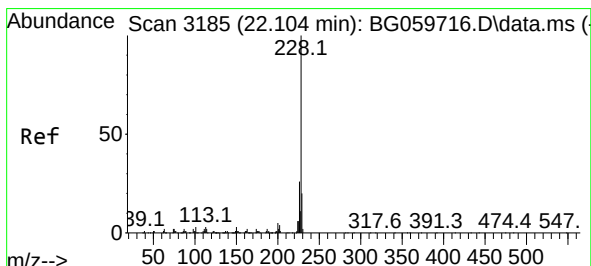
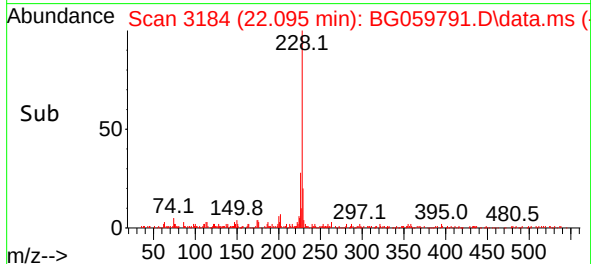
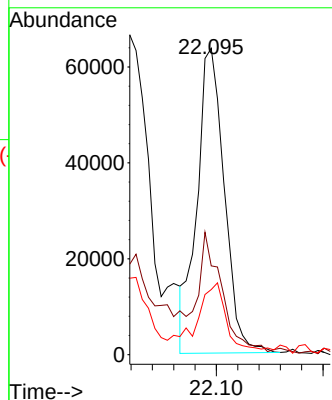
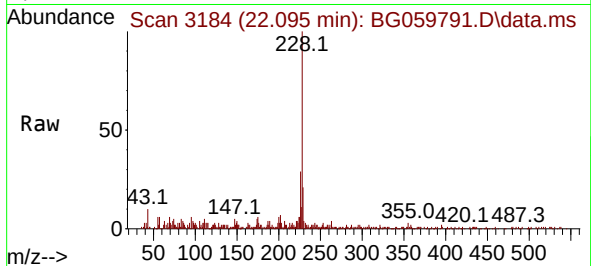




#81
Benzo(a)anthracene
Concen: 10.055 ng
RT: 22.095 min Scan# 3172
Delta R.T. 0.068 min
Lab File: BG059791.D
Acq: 21 Nov 2023 14:09

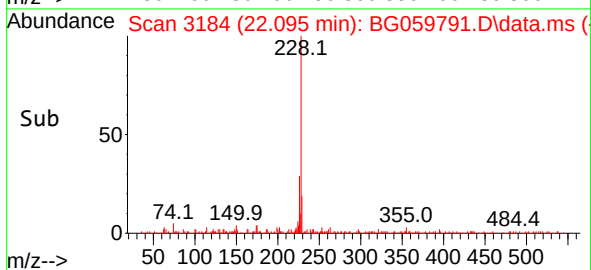
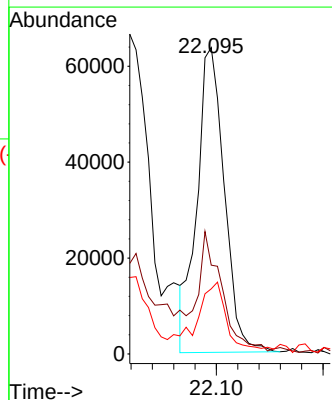
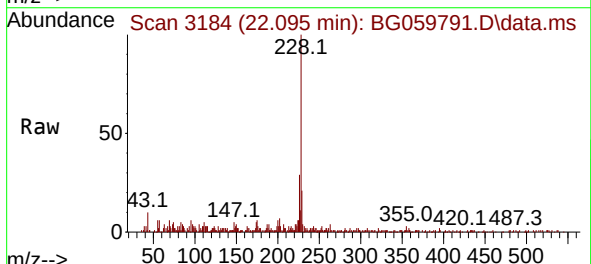
Instrument :
BNA_G
ClientSampleId :
WC-5

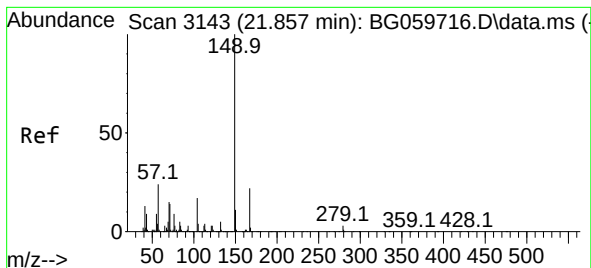
Tgt Ion:228 Resp: 113077
Ion Ratio Lower Upper
228 100
226 29.0 22.1 33.1
229 21.3 14.9 22.3



#83
Chrysene
Concen: 10.968 ng
RT: 22.095 min Scan# 3184
Delta R.T. -0.009 min
Lab File: BG059791.D
Acq: 21 Nov 2023 14:09

Tgt Ion:228 Resp: 113077
Ion Ratio Lower Upper
228 100
226 29.0 21.1 31.7
229 21.3 16.2 24.4

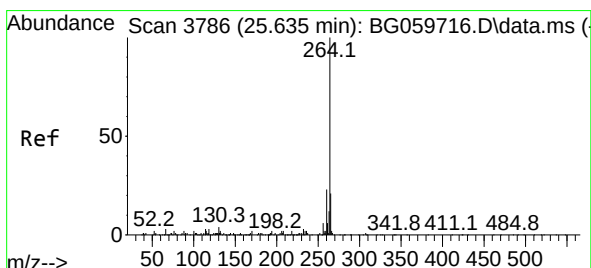
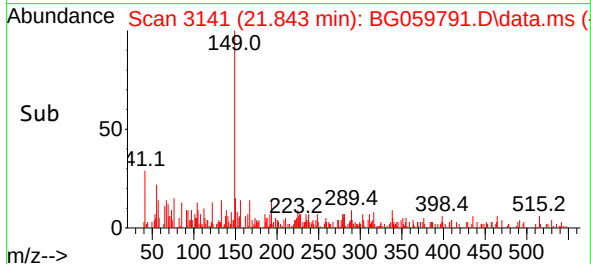
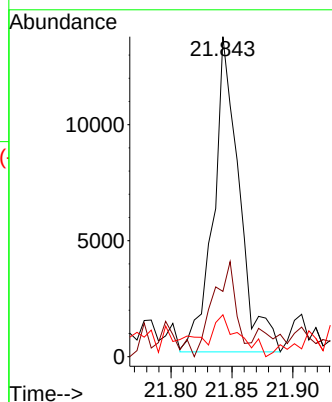
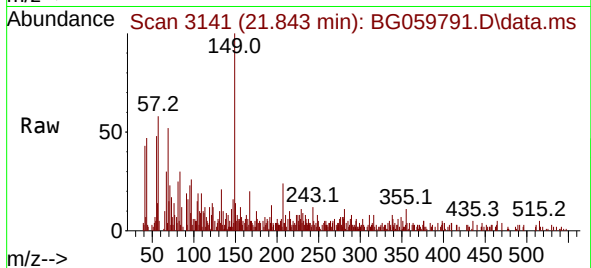




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.116 ng
 RT: 21.843 min Scan# 3143
 Delta R.T. -0.014 min
 Lab File: BG059791.D
 Acq: 21 Nov 2023 14:09

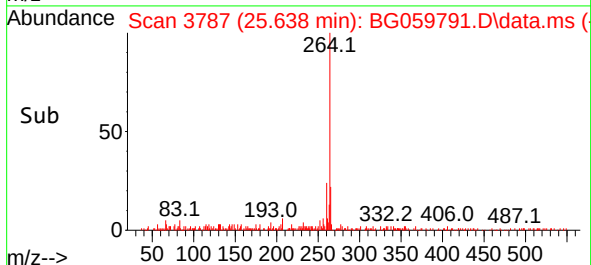
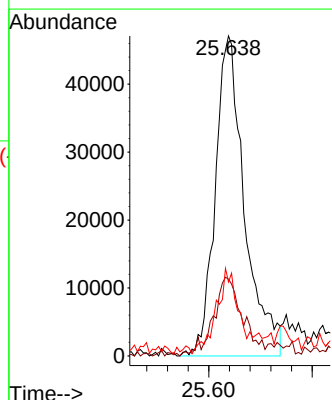
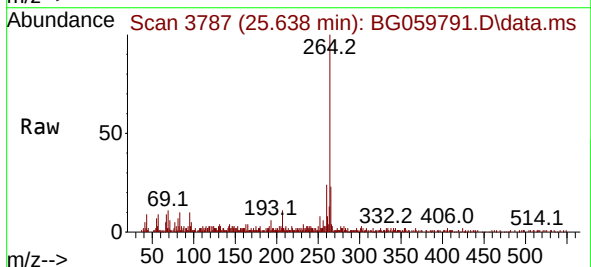
Instrument :
 BNA_G
 ClientSampleId :
 WC-5

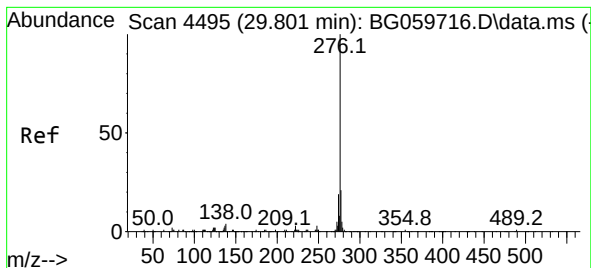
Tgt Ion:149 Resp: 19976
 Ion Ratio Lower Upper
 149 100
 167 20.4 17.6 26.4
 279 13.1 2.7 4.1#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.638 min Scan# 3787
 Delta R.T. 0.003 min
 Lab File: BG059791.D
 Acq: 21 Nov 2023 14:09

Tgt Ion:264 Resp: 185386
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.5 27.7
 265 23.1 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.490 ng

RT: 29.786 min Scan# 4493

Delta R.T. -0.014 min

Lab File: BG059791.D

Acq: 21 Nov 2023 14:09

Instrument :

BNA_G

ClientSampleId :

WC-5

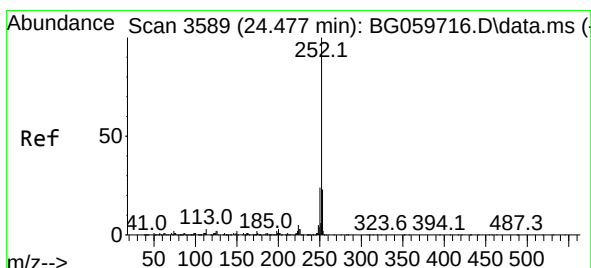
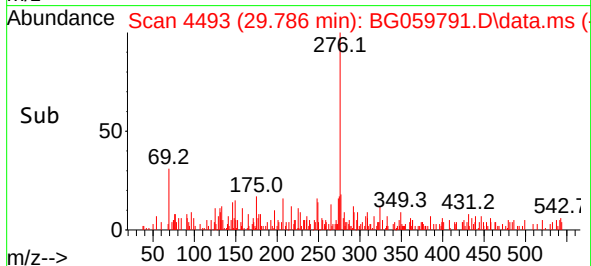
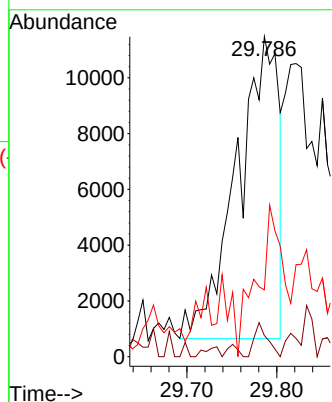
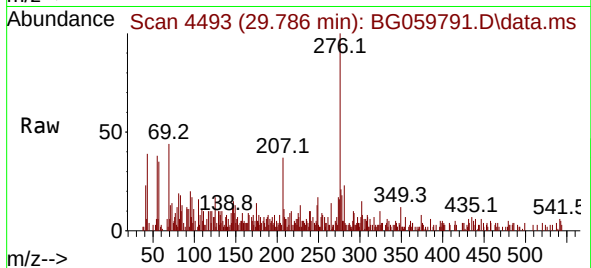
Tgt Ion:276 Resp: 34922

Ion Ratio Lower Upper

276 100

138 3.5 1.8 2.6#

277 30.9 9.8 14.6#



#88

Benzo(b)fluoranthene

Concen: 21.748 ng

RT: 24.481 min Scan# 3590

Delta R.T. 0.003 min

Lab File: BG059791.D

Acq: 21 Nov 2023 14:09

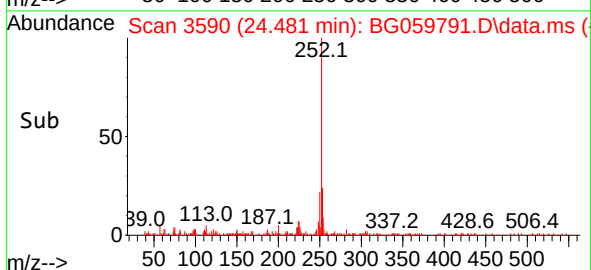
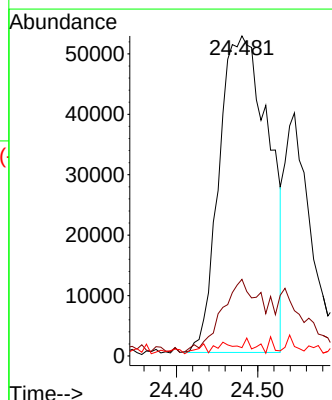
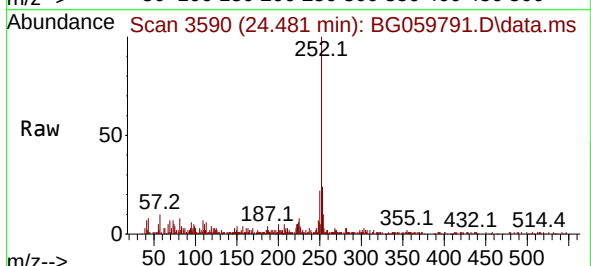
Tgt Ion:252 Resp: 220977

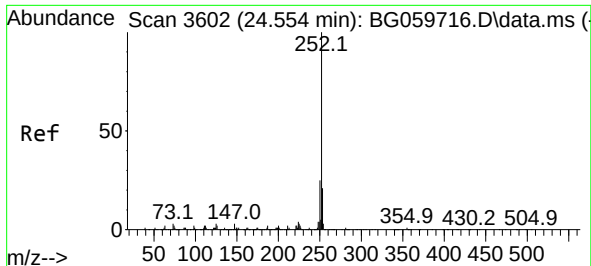
Ion Ratio Lower Upper

252 100

253 23.9 18.3 27.5

125 2.6 1.4 2.0#

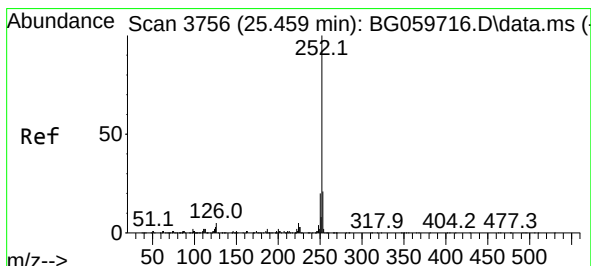
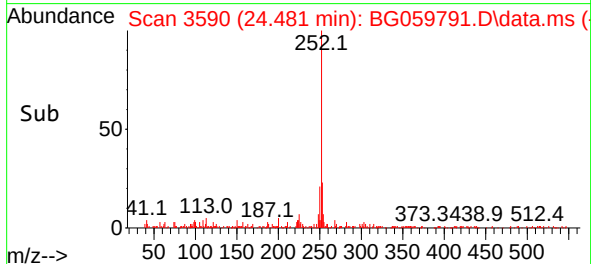
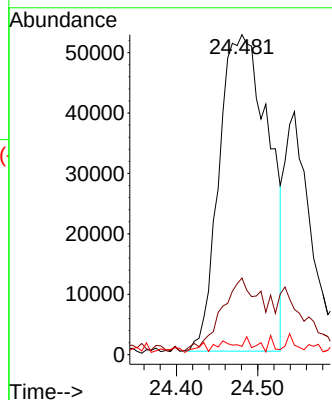
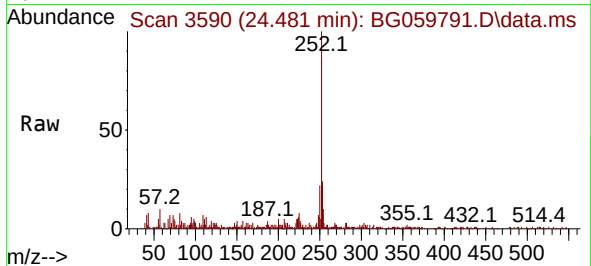




#89
Benzo(k)fluoranthene
Concen: 21.998 ng
RT: 24.481 min Scan# 31
Delta R.T. -0.073 min
Lab File: BG059791.D
Acq: 21 Nov 2023 14:09

Instrument :
BNA_G
ClientSampleId :
WC-5

Tgt Ion:252 Resp: 220977
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 2.6 2.2 3.2



#90
Benzo(a)pyrene
Concen: 13.964 ng
RT: 25.456 min Scan# 3756
Delta R.T. -0.003 min
Lab File: BG059791.D
Acq: 21 Nov 2023 14:09

Tgt Ion:252 Resp: 151422
Ion Ratio Lower Upper
252 100
253 19.0 16.8 25.2
125 2.2 2.0 3.0

