

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059792.D
 Acq On : 21 Nov 2023 14:50
 Operator : MA/JU
 Sample : 05380-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-7

Quant Time: Nov 21 15:24:12 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)

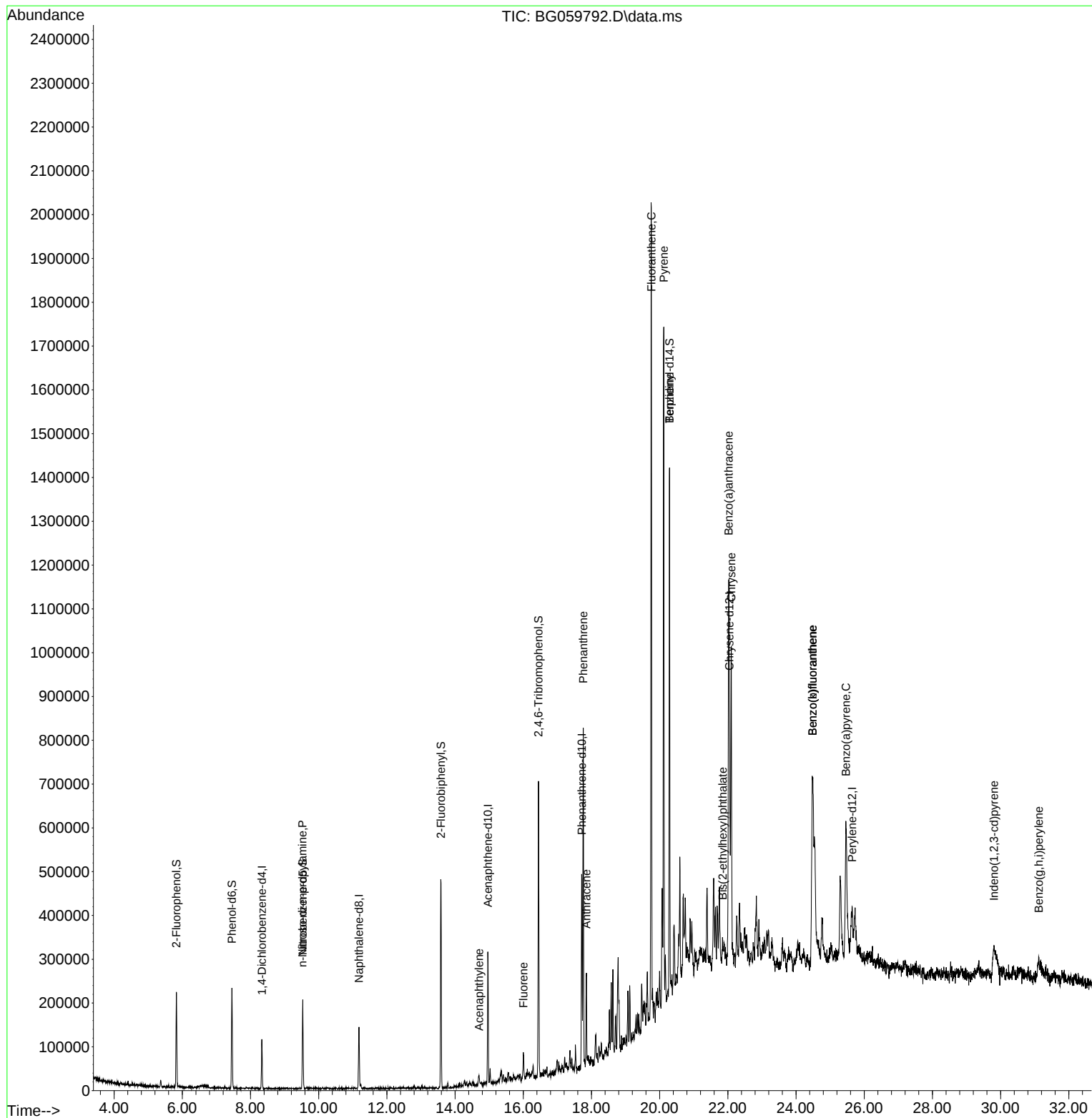
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.335	152	22659	20.000	ng	# 0.00
21) Naphthalene-d8	11.185	136	101174	20.000	ng	# 0.00
39) Acenaphthene-d10	14.963	164	94366	20.000	ng	# 0.00
64) Phenanthrene-d10	17.718	188	246792	20.000	ng	# 0.00
76) Chrysene-d12	22.048	240	188486	20.000	ng	# 0.00
86) Perylene-d12	25.644	264	175911	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.826	112	75022	55.727	ng	0.00
7) Phenol-d6	7.454	99	107974	54.123	ng	0.00
23) Nitrobenzene-d5	9.534	82	120948	45.656	ng	0.00
42) 2,4,6-Tribromophenol	16.449	330	88240	82.413	ng	0.00
45) 2-Fluorobiphenyl	13.588	172	220241	31.415	ng	0.00
79) Terphenyl-d14	20.292	244	460102	36.036	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.528	70	19577	12.461	ng	# 83
49) Acenaphthylene	14.704	152	19588	2.257	ng	# 78
58) Fluorene	16.003	166	23175	3.242	ng	# 76
71) Phenanthrene	17.759	178	408425	32.550	ng	99
72) Anthracene	17.853	178	120411	9.236	ng	98
75) Fluoranthene	19.757	202	1092523	72.606	ng	99
77) Benzidine	20.292	184	19232	4.500	ng	99
78) Pyrene	20.121	202	915312	71.372	ng	98
81) Benzo(a)anthracene	22.025	228	575792	44.647	ng	97
83) Chrysene	22.101	228	472609	39.976	ng	94
84) Bis(2-ethylhexyl)phtha...	21.849	149	18609	2.531	ng	# 88
87) Indeno(1,2,3-cd)pyrene	29.804	276	156479	11.756	ng	# 84
88) Benzo(b)fluoranthene	24.487	252	607394	62.998	ng	# 94
89) Benzo(k)fluoranthene	24.487	252	607394	63.722	ng	# 97
90) Benzo(a)pyrene	25.462	252	417244	40.549	ng	95
92) Benzo(g,h,i)perylene	31.120	276	96364	9.018	ng	# 81

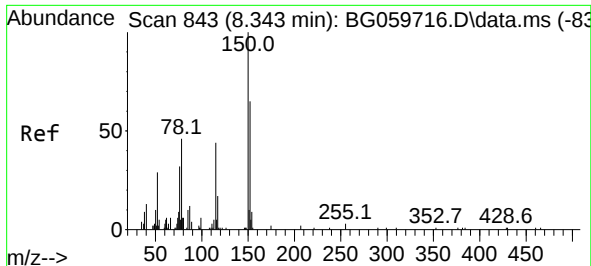
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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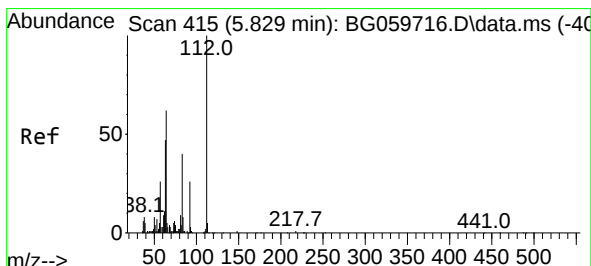
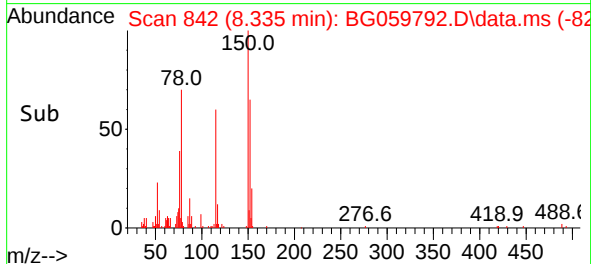
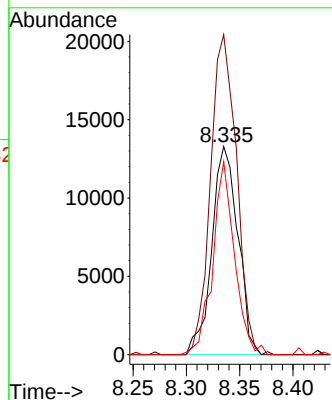
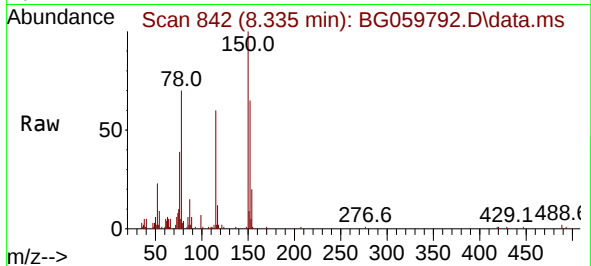




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.335 min Scan# 843
Delta R.T. -0.008 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

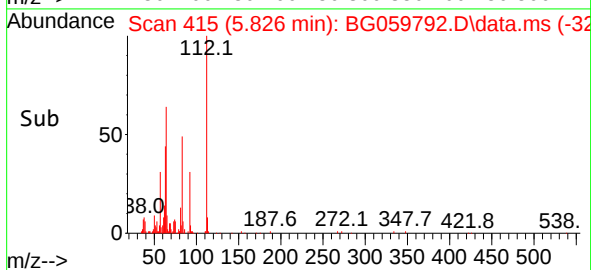
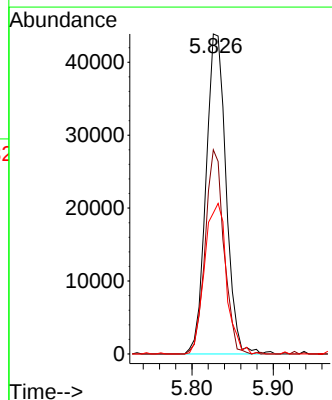
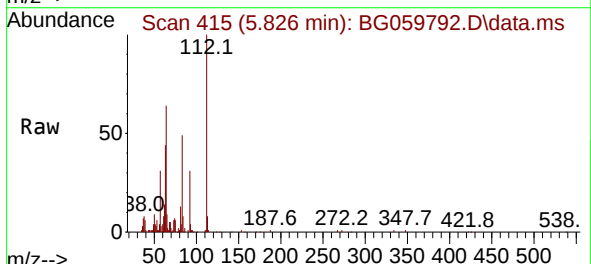
Instrument :
BNA_G
ClientSampleId :
WC-7

Tgt Ion:152 Resp: 22659
Ion Ratio Lower Upper
152 100
150 153.8 122.2 183.4
115 92.7 54.2 81.4#



#5
2-Fluorophenol
Concen: 55.727 ng
RT: 5.826 min Scan# 415
Delta R.T. -0.002 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Tgt Ion:112 Resp: 75022
Ion Ratio Lower Upper
112 100
64 63.8 49.5 74.3
63 44.0 37.4 56.2

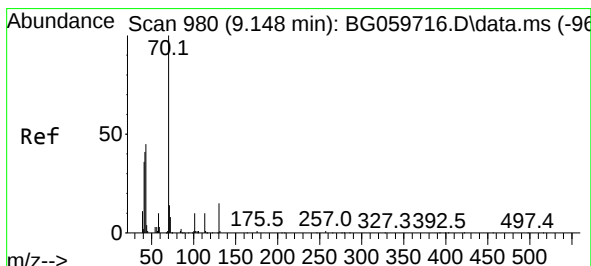
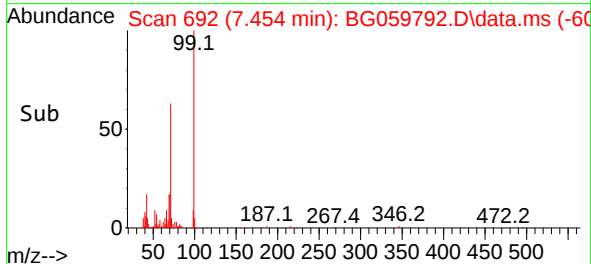
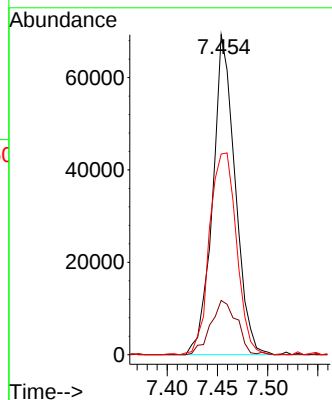
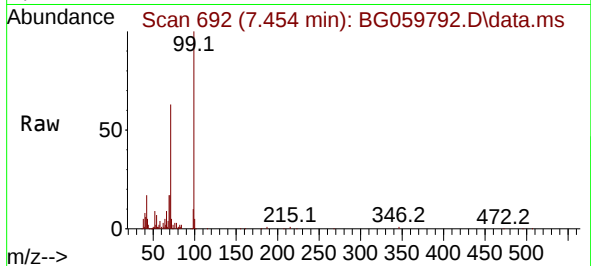




#7
Phenol-d6
Concen: 54.123 ng
RT: 7.454 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

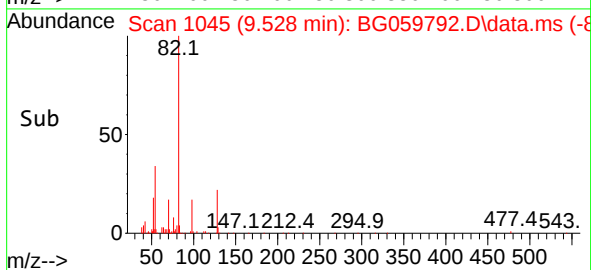
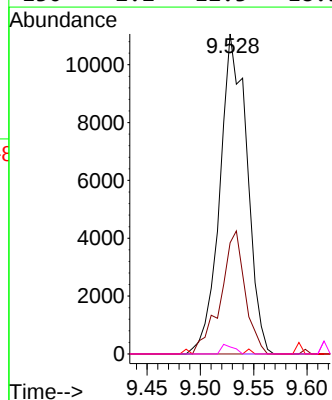
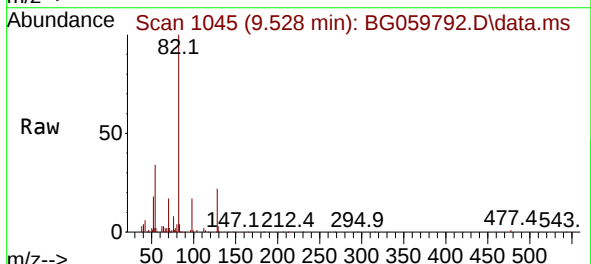
Instrument :
BNA_G
ClientSampleId :
WC-7

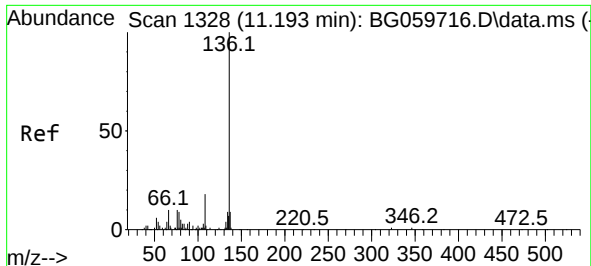
Tgt Ion: 99 Resp: 107974
Ion Ratio Lower Upper
99 100
42 16.9 14.3 21.5
71 62.7 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.461 ng
RT: 9.528 min Scan# 1045
Delta R.T. 0.379 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Tgt Ion: 70 Resp: 19577
Ion Ratio Lower Upper
70 100
42 34.7 32.8 49.2
101 0.0 7.7 11.5#
130 2.2 12.3 18.5#

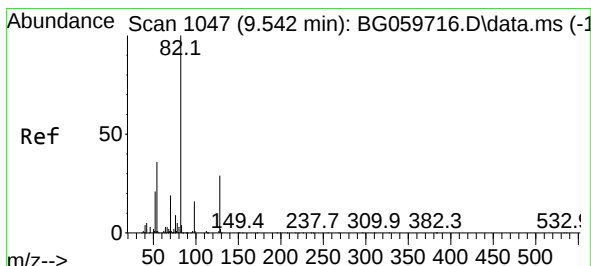
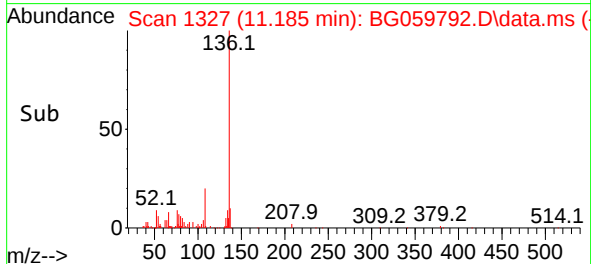
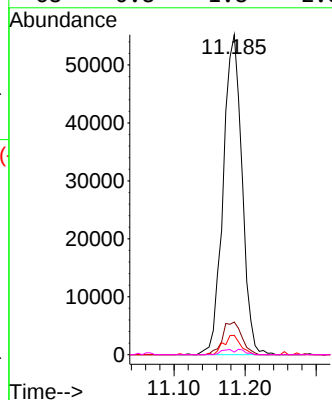
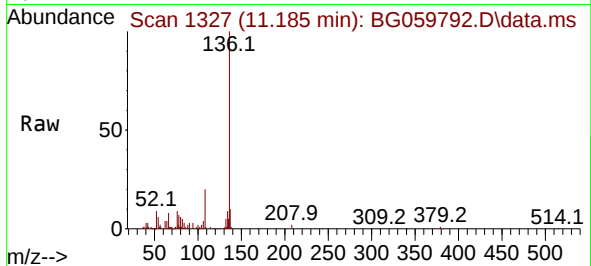




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.185 min Scan# 111
Delta R.T. -0.008 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

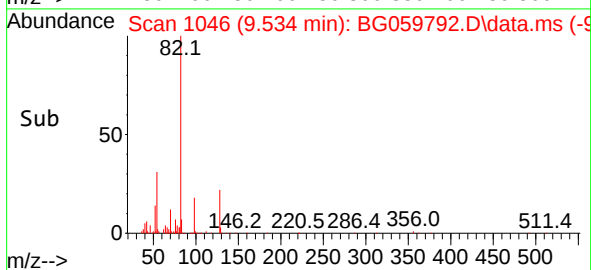
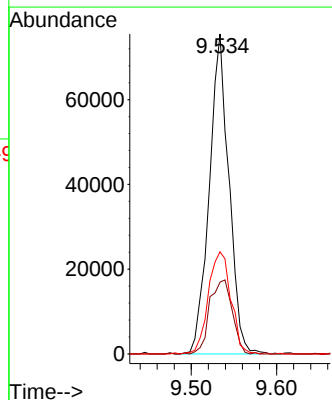
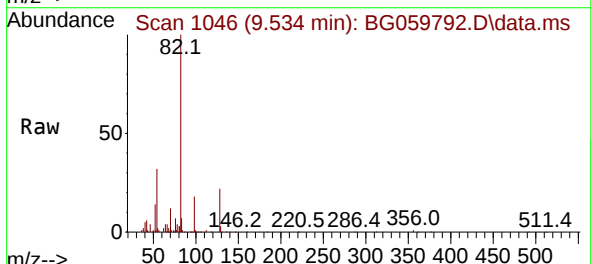
Instrument :
BNA_G
ClientSampleId :
WC-7

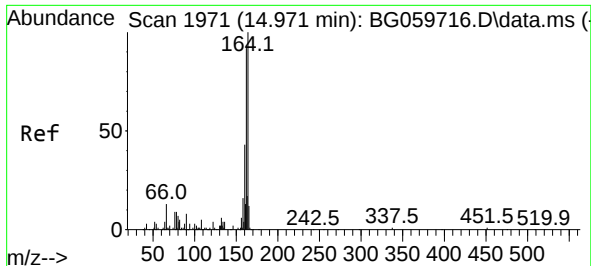
Tgt Ion:136 Resp: 101174
Ion Ratio Lower Upper
136 100
137 10.2 7.4 11.0
54 6.0 3.1 4.7#
68 0.8 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 45.656 ng
RT: 9.534 min Scan# 1046
Delta R.T. -0.008 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Tgt Ion: 82 Resp: 120948
Ion Ratio Lower Upper
82 100
128 22.5 23.0 34.6#
54 31.9 28.7 43.1

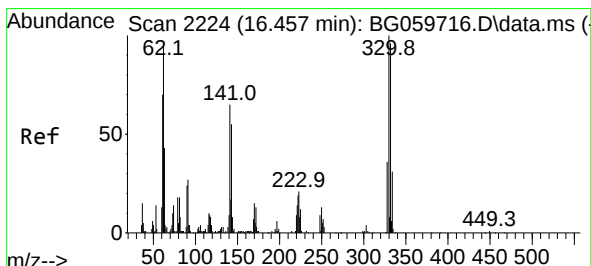
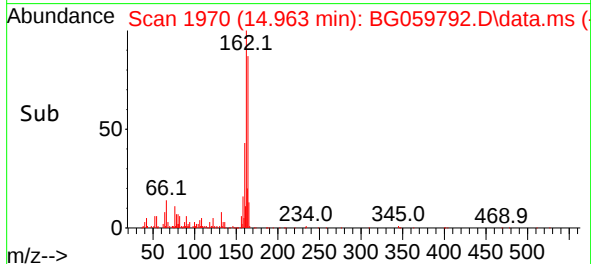
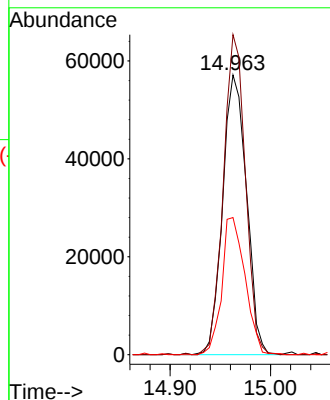
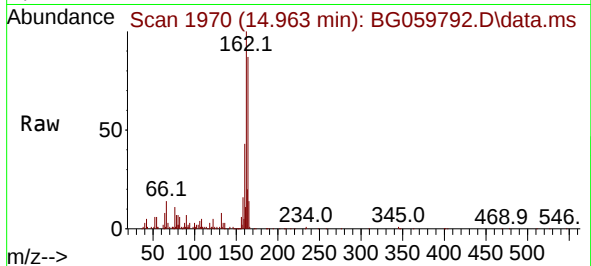




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.963 min Scan# 1970
Delta R.T. -0.008 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

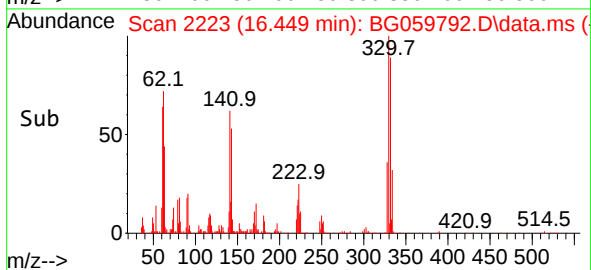
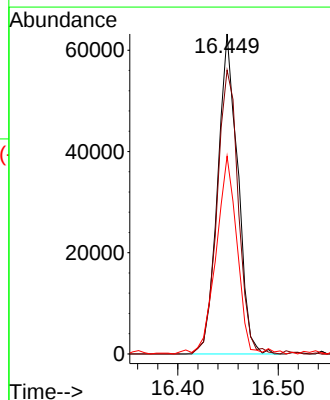
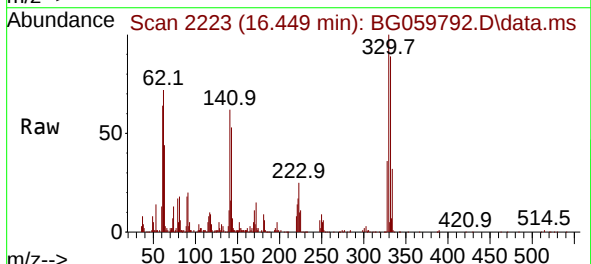
Instrument :
BNA_G
ClientSampleId :
WC-7

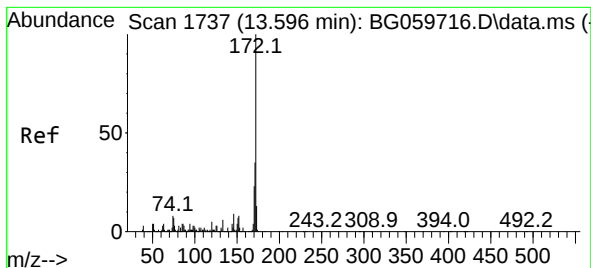
Tgt Ion:164 Resp: 94366
Ion Ratio Lower Upper
164 100
162 114.4 73.3 109.9#
160 49.0 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 82.413 ng
RT: 16.449 min Scan# 2223
Delta R.T. -0.008 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Tgt Ion:330 Resp: 88240
Ion Ratio Lower Upper
330 100
332 93.3 73.3 109.9
141 63.8 52.1 78.1

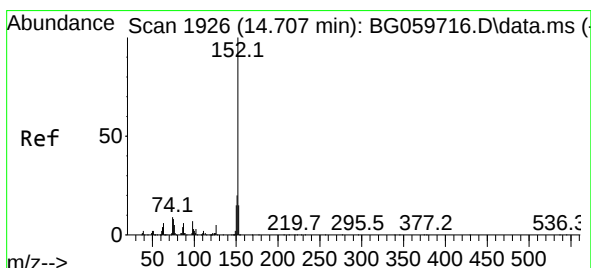
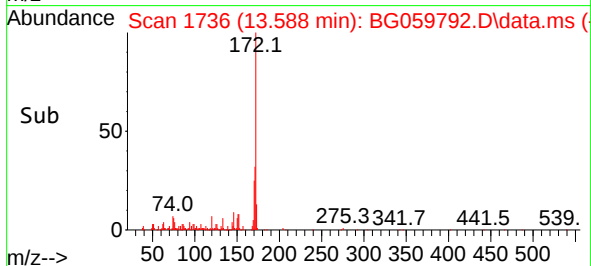
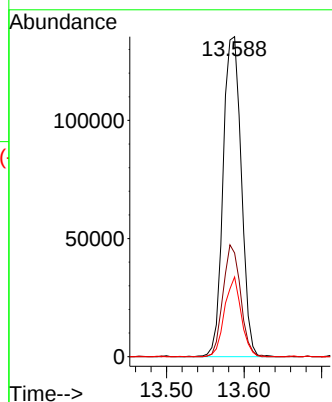
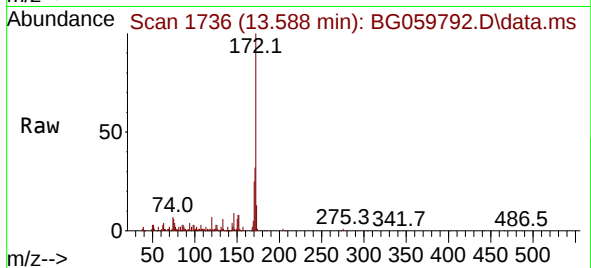




#45
2-Fluorobiphenyl
Concen: 31.415 ng
RT: 13.588 min Scan# 1736
Delta R.T. -0.008 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

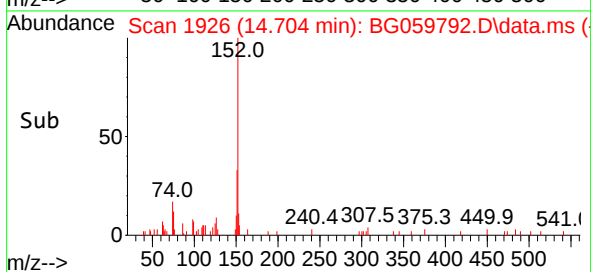
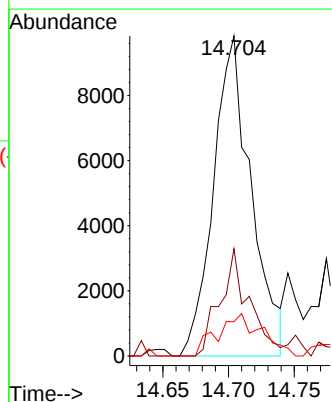
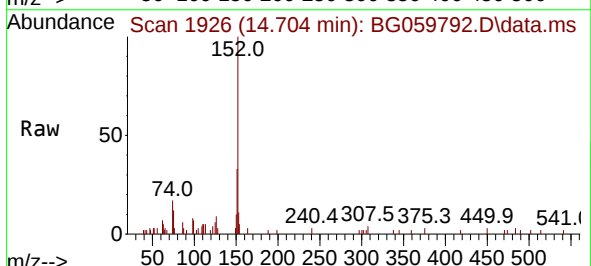
Instrument :
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ClientSampleId :
WC-7

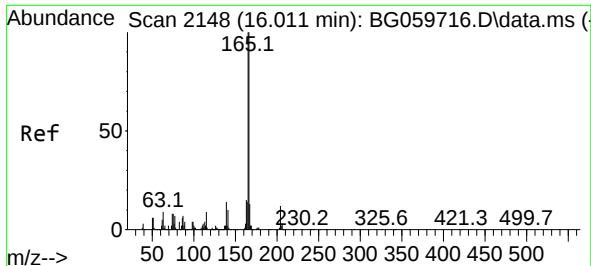
Tgt Ion:172 Resp: 220241
Ion Ratio Lower Upper
172 100
171 32.4 27.7 41.5
170 24.9 18.4 27.6



#49
Acenaphthylene
Concen: 2.257 ng
RT: 14.704 min Scan# 1926
Delta R.T. -0.002 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Tgt Ion:152 Resp: 19588
Ion Ratio Lower Upper
152 100
151 33.5 15.8 23.8#
153 10.7 12.2 18.4#

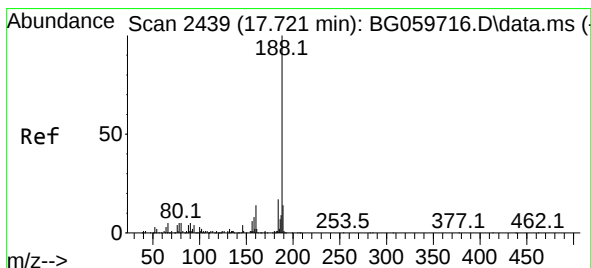
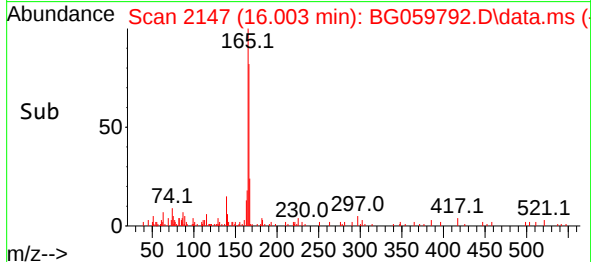
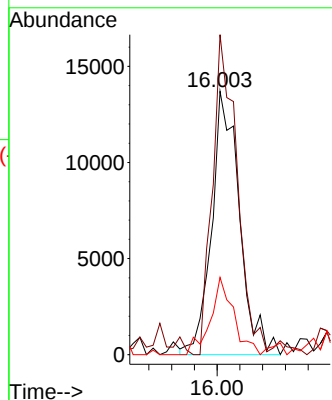
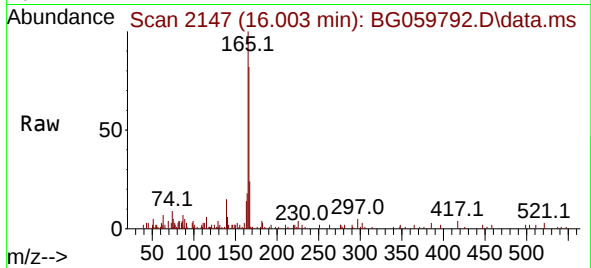




#58
Fluorene
Concen: 3.242 ng
RT: 16.003 min Scan# 2148
Delta R.T. -0.008 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

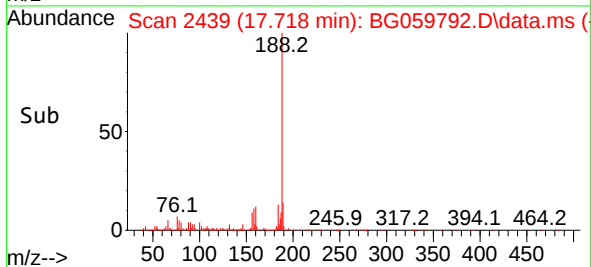
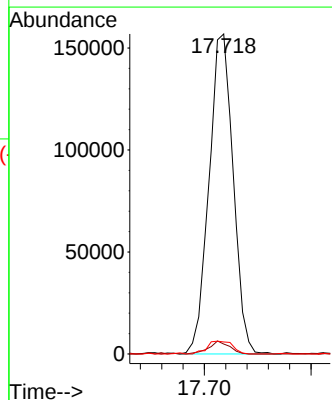
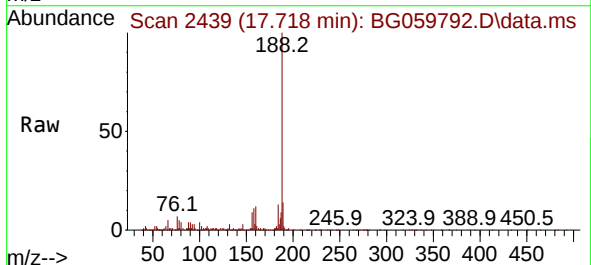
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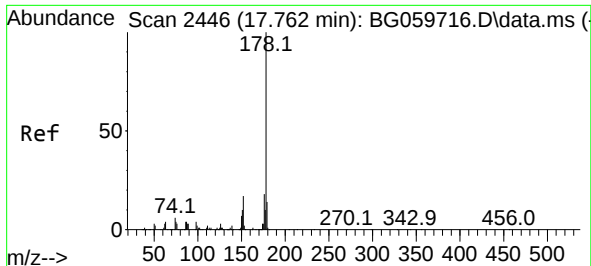
Tgt Ion:166 Resp: 23175
Ion Ratio Lower Upper
166 100
165 121.5 79.9 119.9#
167 29.4 10.1 15.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.718 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Tgt Ion:188 Resp: 246792
Ion Ratio Lower Upper
188 100
94 3.1 3.0 4.4
80 3.7 4.2 6.4#

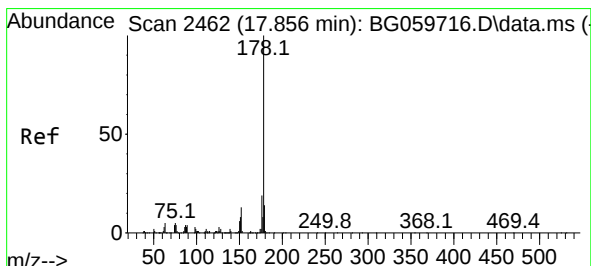
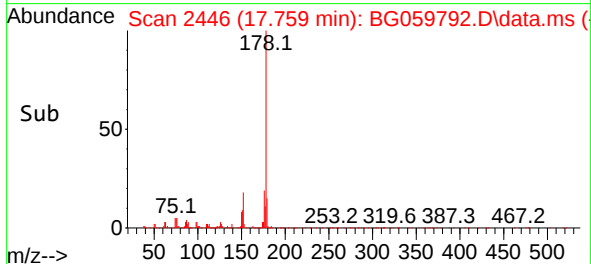
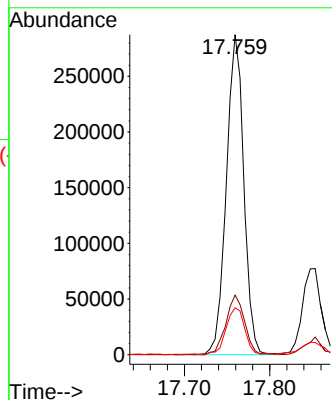
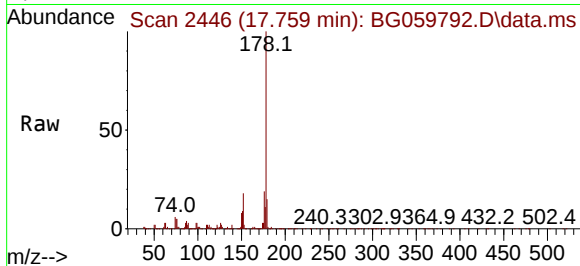




#71
Phenanthrene
Concen: 32.550 ng
RT: 17.759 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

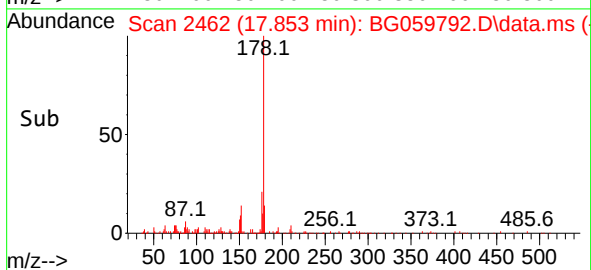
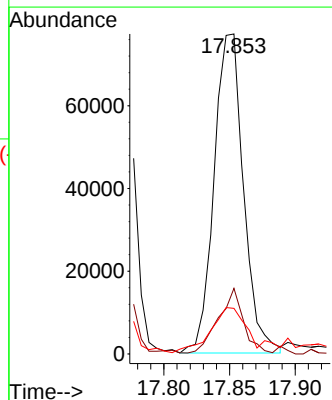
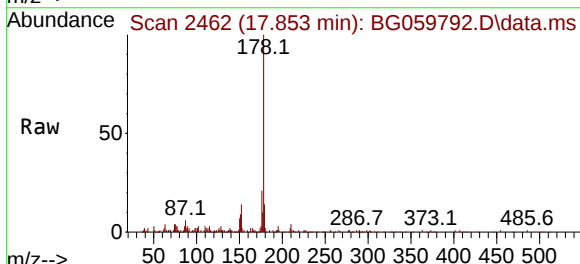
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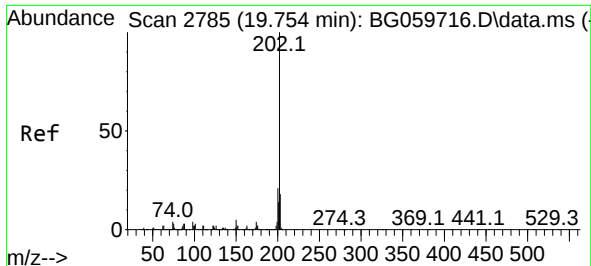
Tgt Ion:178 Resp: 408425
Ion Ratio Lower Upper
178 100
176 18.6 14.5 21.7
179 14.6 11.2 16.8



#72
Anthracene
Concen: 9.236 ng
RT: 17.853 min Scan# 2462
Delta R.T. -0.002 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Tgt Ion:178 Resp: 120411
Ion Ratio Lower Upper
178 100
176 20.5 15.0 22.4
179 14.2 11.5 17.3

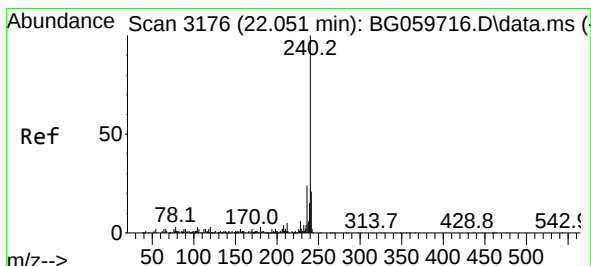
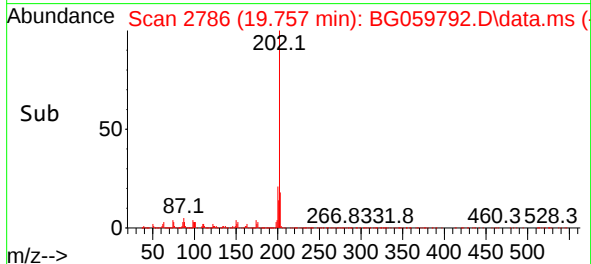
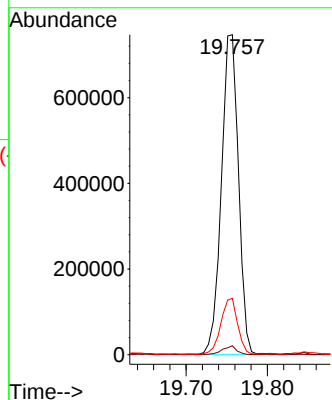
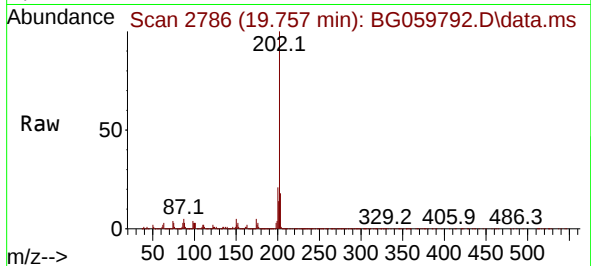




#75
Fluoranthene
Concen: 72.606 ng
RT: 19.757 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

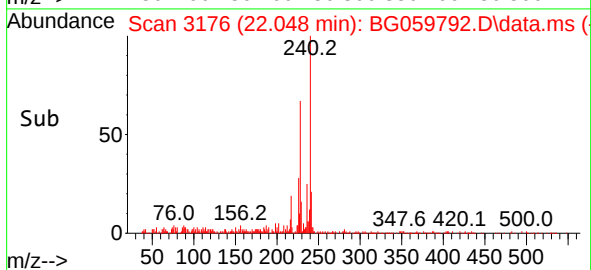
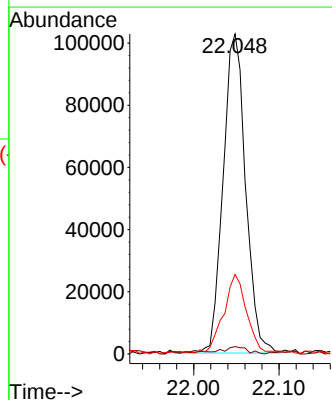
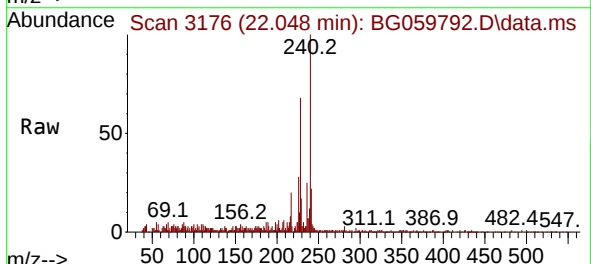
Instrument :
BNA_G
ClientSampleId :
WC-7

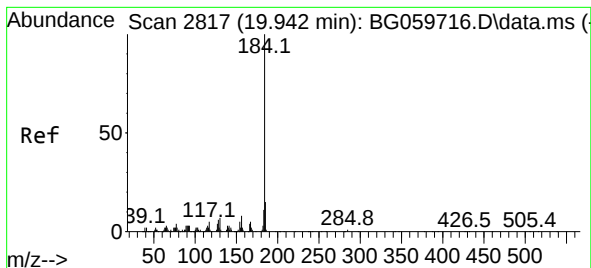
Tgt Ion:202 Resp: 1092523
Ion Ratio Lower Upper
202 100
101 2.8 0.0 22.7
203 17.6 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.048 min Scan# 3176
Delta R.T. -0.002 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Tgt Ion:240 Resp: 188486
Ion Ratio Lower Upper
240 100
120 3.5 2.2 3.2#
236 24.9 19.4 29.2





#77

Benzidine

Concen: 4.500 ng

RT: 20.292 min Scan# 21

Delta R.T. 0.350 min

Lab File: BG059792.D

Acq: 21 Nov 2023 14:50

Instrument :

BNA_G

ClientSampleId :

WC-7

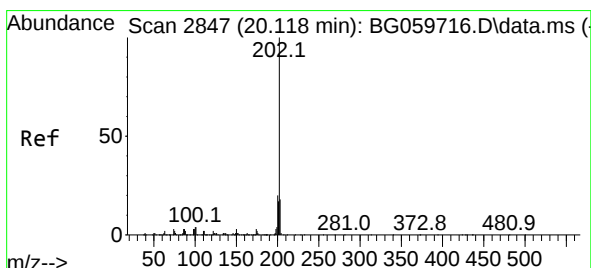
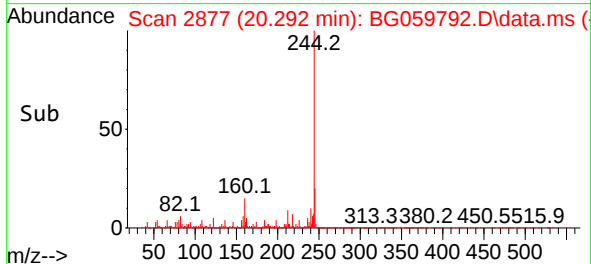
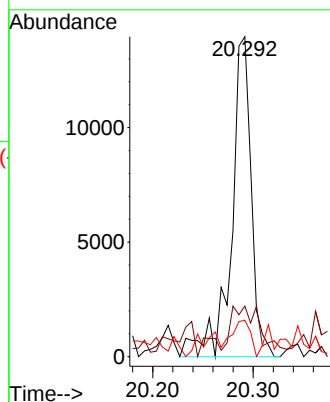
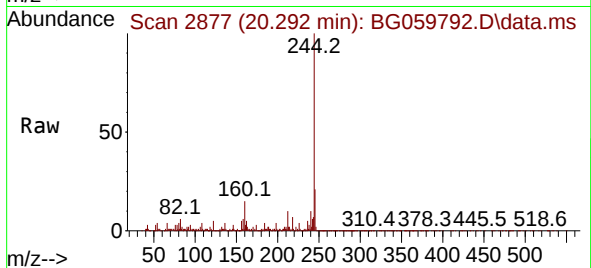
Tgt Ion:184 Resp: 19232

Ion Ratio Lower Upper

184 100

185 15.8 12.2 18.2

183 11.4 8.8 13.2



#78

Pyrene

Concen: 71.372 ng

RT: 20.121 min Scan# 2848

Delta R.T. 0.003 min

Lab File: BG059792.D

Acq: 21 Nov 2023 14:50

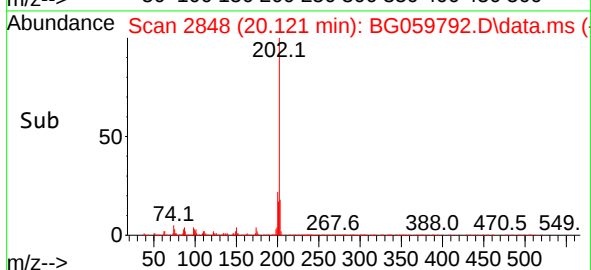
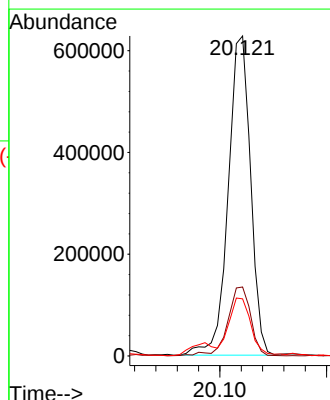
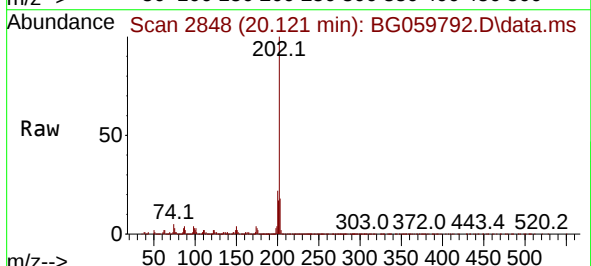
Tgt Ion:202 Resp: 915312

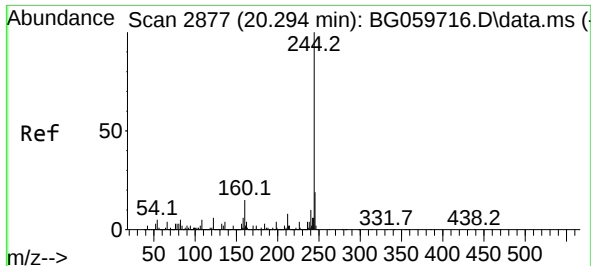
Ion Ratio Lower Upper

202 100

200 21.6 16.2 24.4

203 17.8 14.0 21.0

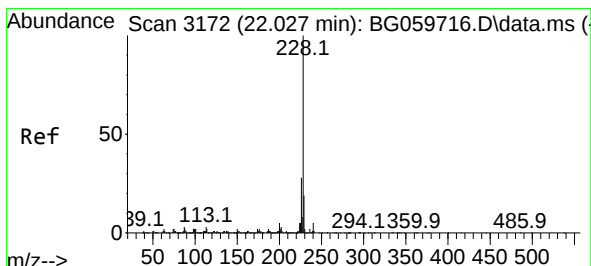
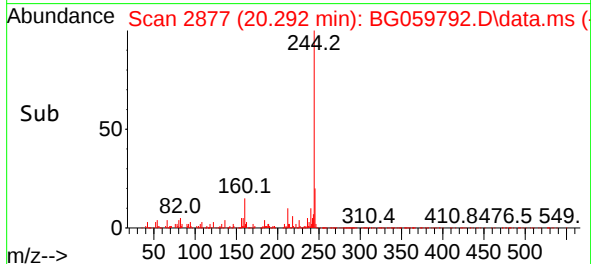
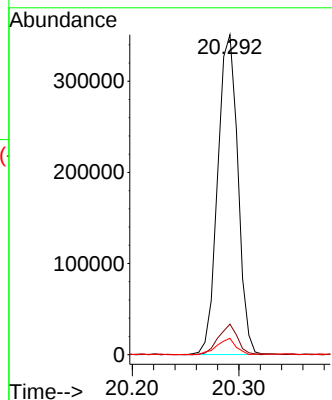
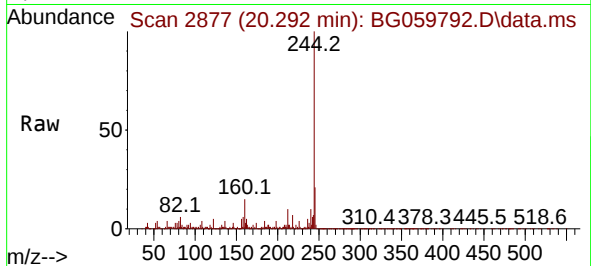




#79
 Terphenyl-d14
 Concen: 36.036 ng
 RT: 20.292 min Scan# 2877
 Delta R.T. -0.002 min
 Lab File: BG059792.D
 Acq: 21 Nov 2023 14:50

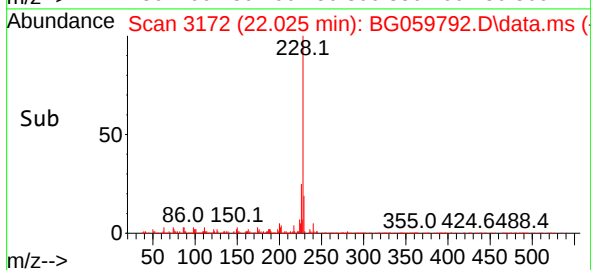
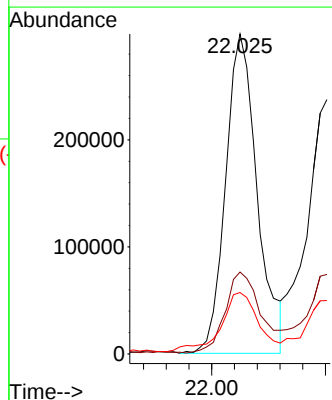
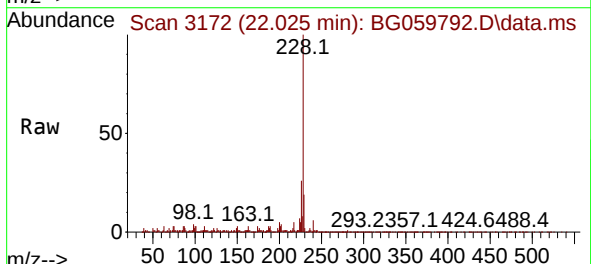
Instrument :
 BNA_G
 ClientSampleId :
 WC-7

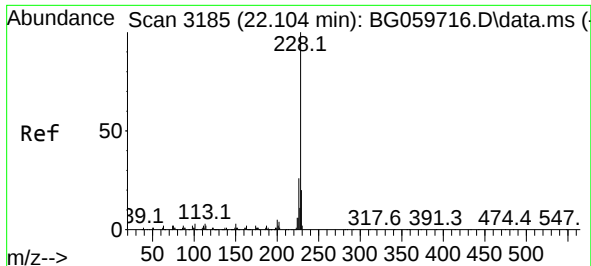
Tgt Ion:244 Resp: 460102
 Ion Ratio Lower Upper
 244 100
 212 9.6 6.6 10.0
 122 5.1 4.4 6.6



#81
 Benzo(a)anthracene
 Concen: 44.647 ng
 RT: 22.025 min Scan# 3172
 Delta R.T. -0.002 min
 Lab File: BG059792.D
 Acq: 21 Nov 2023 14:50

Tgt Ion:228 Resp: 575792
 Ion Ratio Lower Upper
 228 100
 226 25.6 22.1 33.1
 229 19.2 14.9 22.3

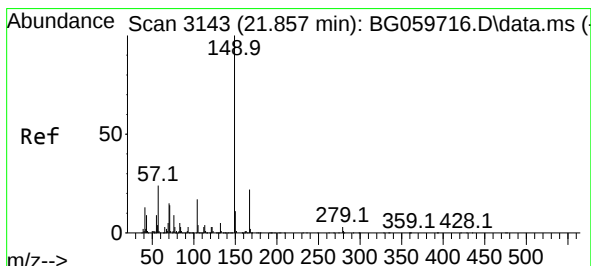
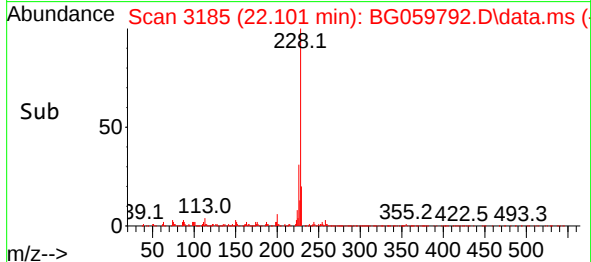
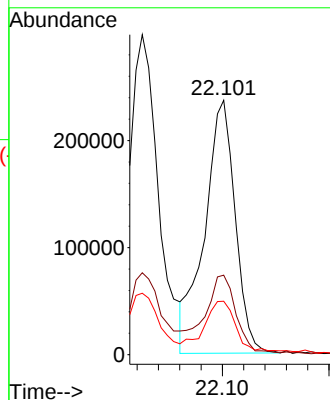
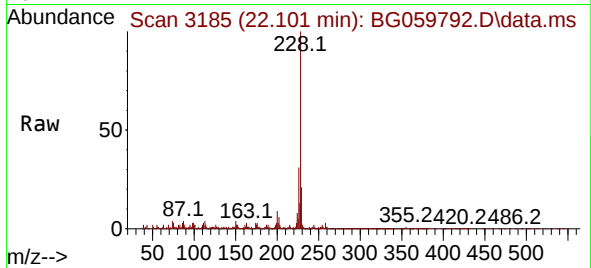




#83
Chrysene
Concen: 39.976 ng
RT: 22.101 min Scan# 3185
Delta R.T. -0.002 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

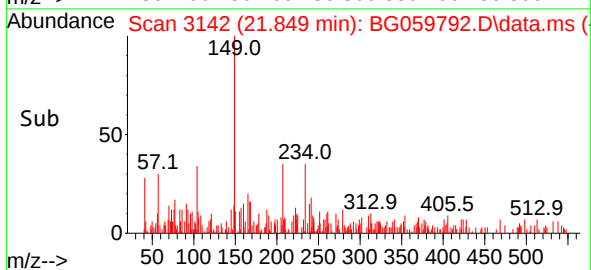
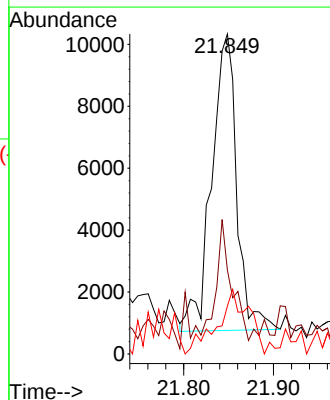
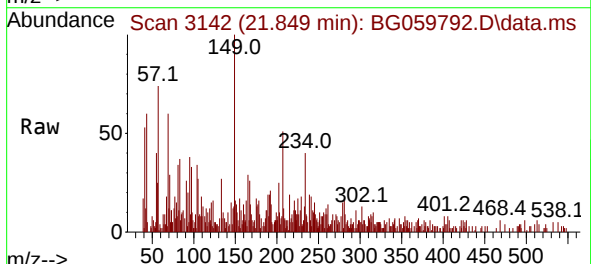
Instrument :
BNA_G
ClientSampleId :
WC-7

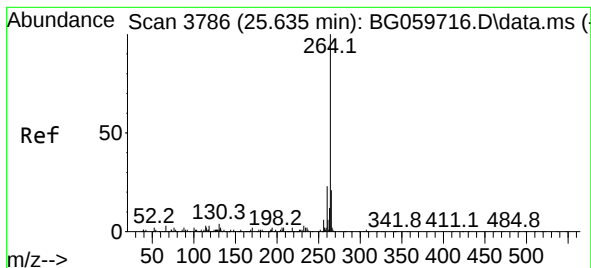
Tgt Ion:228 Resp: 472609
Ion Ratio Lower Upper
228 100
226 31.3 21.1 31.7
229 21.0 16.2 24.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.531 ng
RT: 21.849 min Scan# 3142
Delta R.T. -0.008 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Tgt Ion:149 Resp: 18609
Ion Ratio Lower Upper
149 100
167 26.2 17.6 26.4
279 15.0 2.7 4.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.644 min Scan# 31

Delta R.T. 0.009 min

Lab File: BG059792.D

Acq: 21 Nov 2023 14:50

Instrument :

BNA_G

ClientSampleId :

WC-7

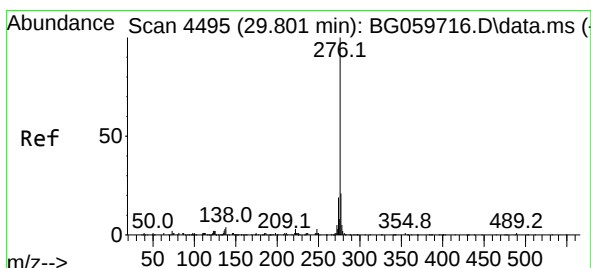
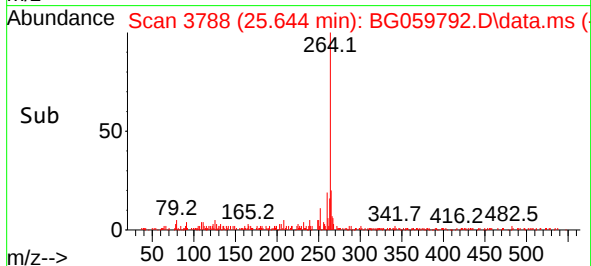
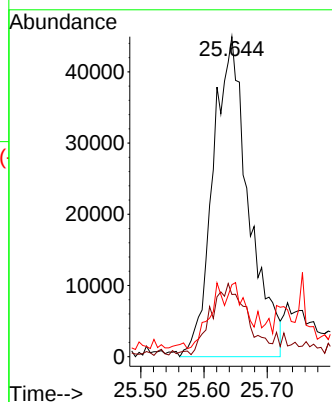
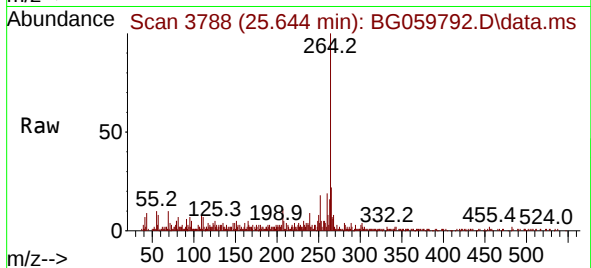
Tgt Ion:264 Resp: 175911

Ion Ratio Lower Upper

264 100

260 19.4 18.5 27.7

265 22.5 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.756 ng

RT: 29.804 min Scan# 4496

Delta R.T. 0.003 min

Lab File: BG059792.D

Acq: 21 Nov 2023 14:50

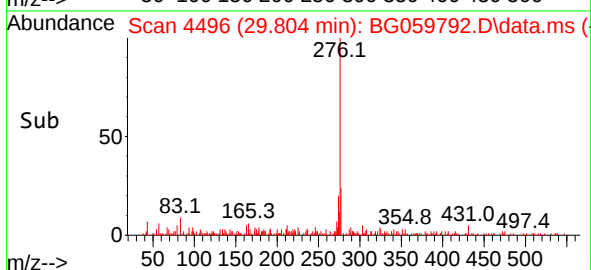
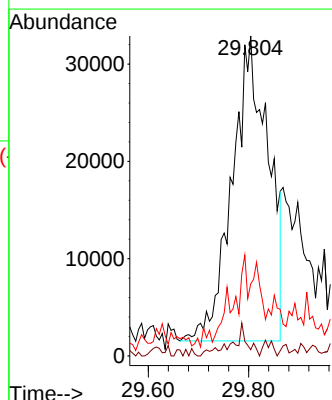
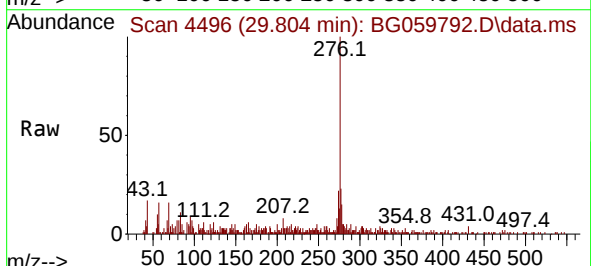
Tgt Ion:276 Resp: 156479

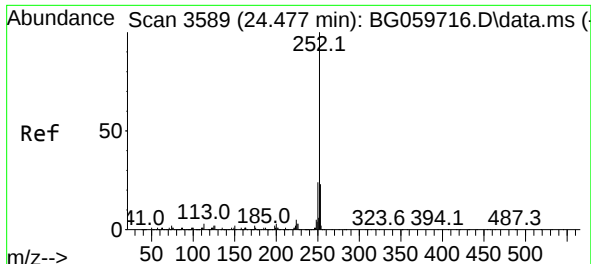
Ion Ratio Lower Upper

276 100

138 0.0 1.8 2.6#

277 5.1 9.8 14.6#

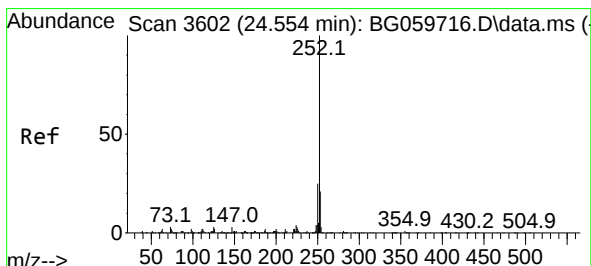
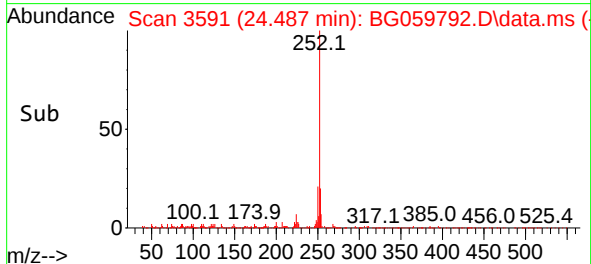
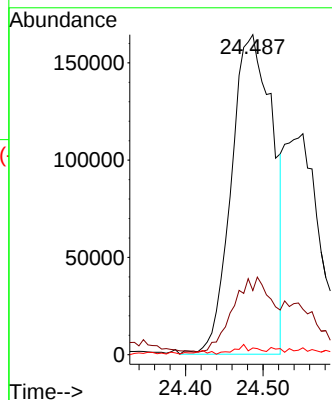
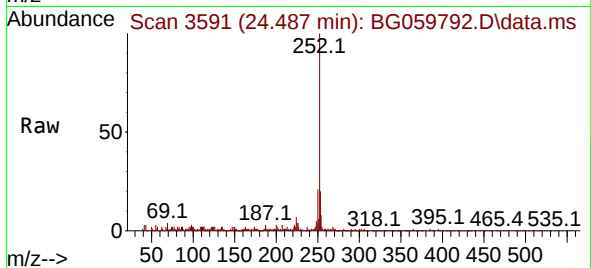




#88
Benzo(b)fluoranthene
Concen: 62.998 ng
RT: 24.487 min Scan# 3591
Delta R.T. 0.009 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

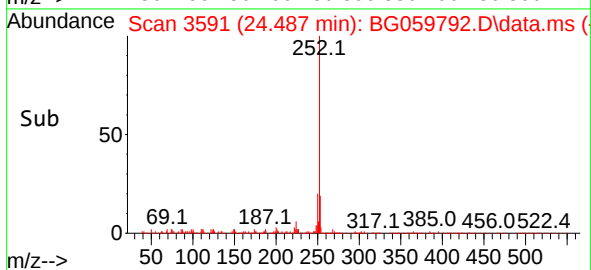
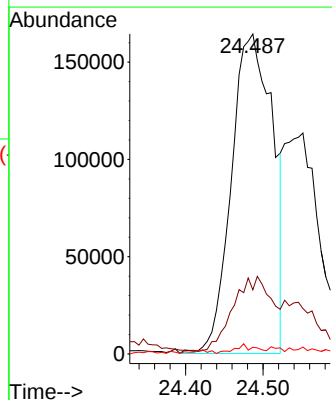
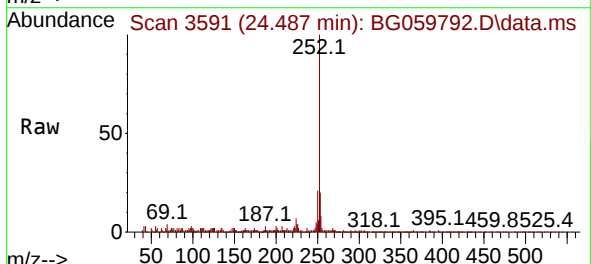
Instrument :
BNA_G
ClientSampleId :
WC-7

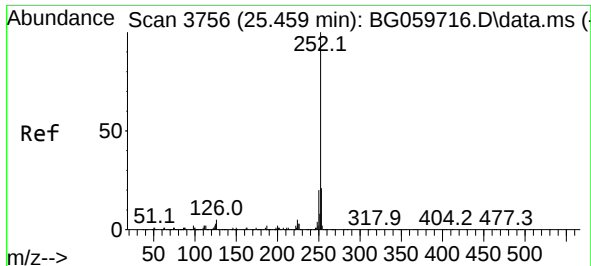
Tgt Ion:252 Resp: 607394
Ion Ratio Lower Upper
252 100
253 20.1 18.3 27.5
125 2.1 1.4 2.0#



#89
Benzo(k)fluoranthene
Concen: 63.722 ng
RT: 24.487 min Scan# 3591
Delta R.T. -0.067 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Tgt Ion:252 Resp: 607394
Ion Ratio Lower Upper
252 100
253 20.1 17.1 25.7
125 2.1 2.2 3.2#

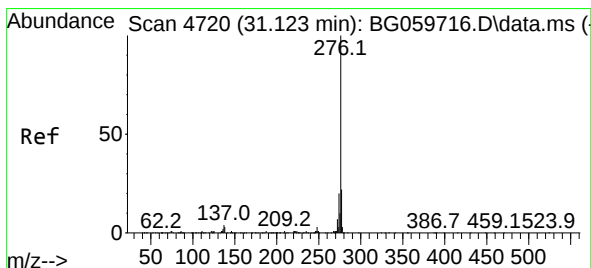
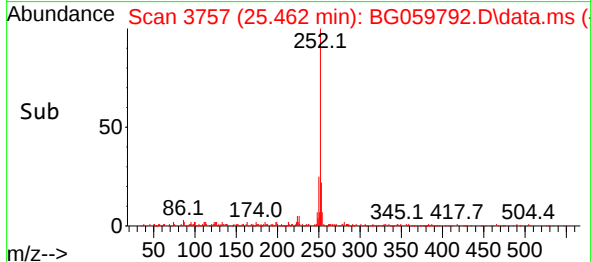
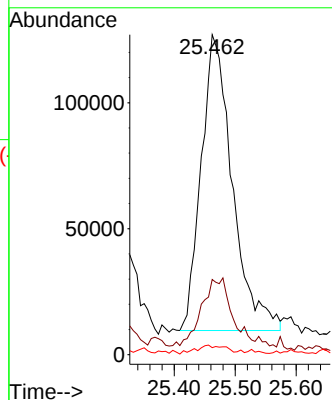
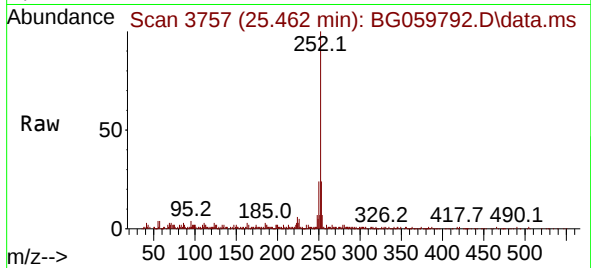




#90
Benzo(a)pyrene
Concen: 40.549 ng
RT: 25.462 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Instrument :
BNA_G
ClientSampleId :
WC-7

Tgt Ion:252 Resp: 417244
Ion Ratio Lower Upper
252 100
253 23.5 16.8 25.2
125 2.2 2.0 3.0



#92
Benzo(g,h,i)perylene
Concen: 9.018 ng
RT: 31.120 min Scan# 4720
Delta R.T. -0.002 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Tgt Ion:276 Resp: 96364
Ion Ratio Lower Upper
276 100
277 31.9 17.3 25.9#
138 3.0 2.6 4.0

