

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081616\
 Data File : BG023739.D
 Acq On : 16 Aug 2016 22:26
 Operator : UM/SJ
 Sample : H4422-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AW-1

Quant Time: Aug 17 01:47:11 2016
 Quant Method : Z:\HPCHEM1\BNA G\Methods\8270-BG080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 19:22:14 2016
 Response via : Initial Calibration

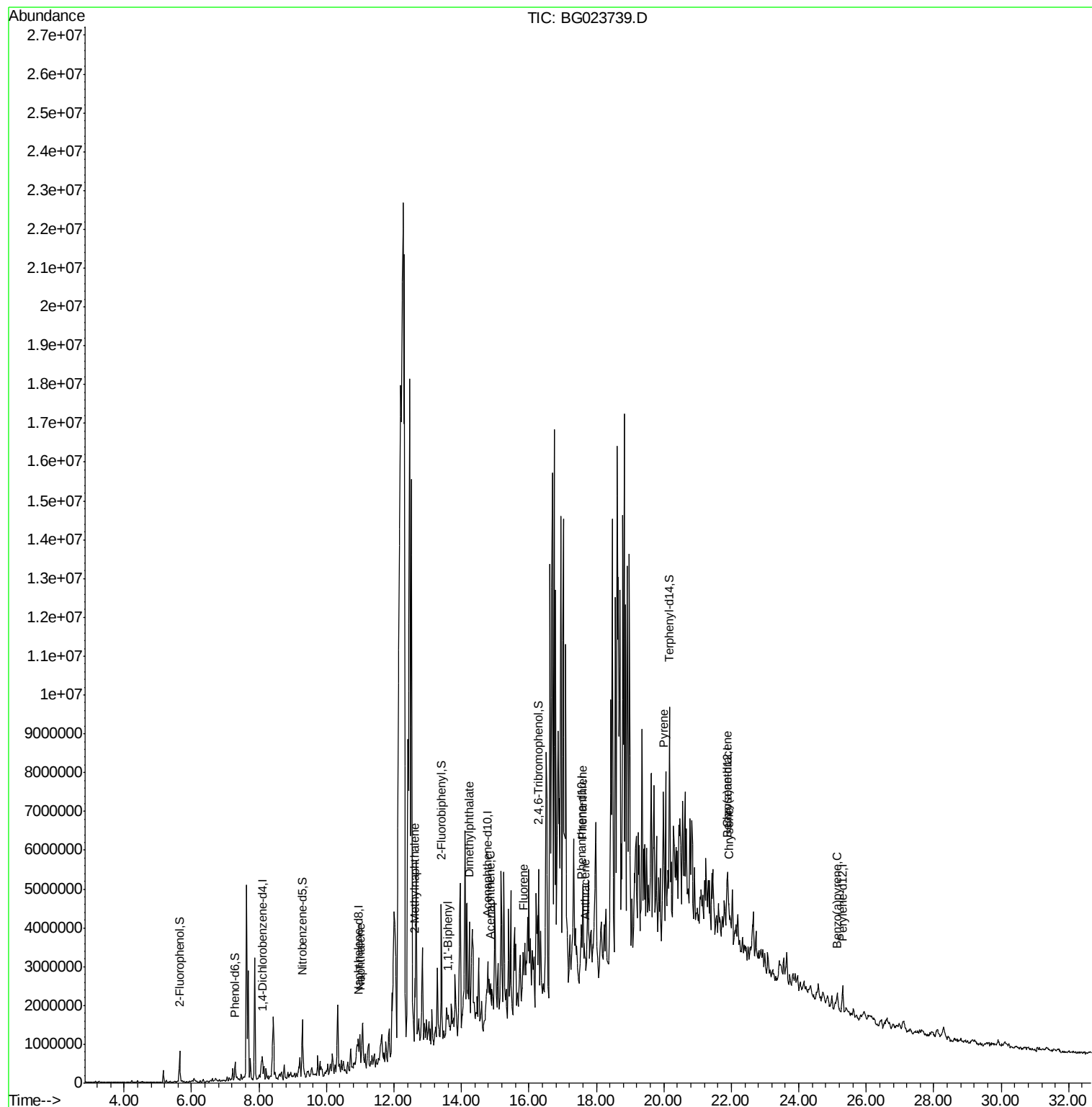
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	126281	20.00	ng	-0.02
21) Naphthalene-d8	10.94	136	539054	20.00	ng	-0.01
38) Acenaphthene-d10	14.79	164	346157	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	636314	20.00	ng	0.01
75) Chrysene-d12	21.88	240	685486	20.00	ng	0.02
86) Perylene-d12	25.30	264	684559	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	405914	54.11	ng	-0.01
7) Phenol-d6	7.29	99	395546	33.85	ng	0.00
23) Nitrobenzene-d5	9.28	82	905487	83.51	ng	-0.01
41) 2,4,6-Tribromophenol	16.29	330	487414	96.27	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	1712810	83.46	ng	0.00
78) Terphenyl-d14	20.17	244	1597698	69.43	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	10.99	128	298399	10.87	ng	# 94
37) 2-Methylnaphthalene	12.61	142	779134	37.33	ng	96
45) 1,1'-Biphenyl	13.62	154	101155	3.82	ng	93
49) Dimethylphthalate	14.23	163	224420	8.45	ng	99
51) Acenaphthene	14.85	154	175411	8.56	ng	90
57) Fluorene	15.84	166	254036	9.78	ng	99
70) Phenanthrene	17.60	178	1215677	37.65	ng	95
71) Anthracene	17.69	178	152929	4.71	ng	# 84
77) Pyrene	19.99	202	1002169	21.14	ng	# 75
80) Benzo(a)anthracene	21.87	228	437746	11.57	ng	# 49
82) Chrysene	21.93	228	779425	21.65	ng	# 69
89) Benzo(a)pyrene	25.14	252	252578	6.90	ng	# 64

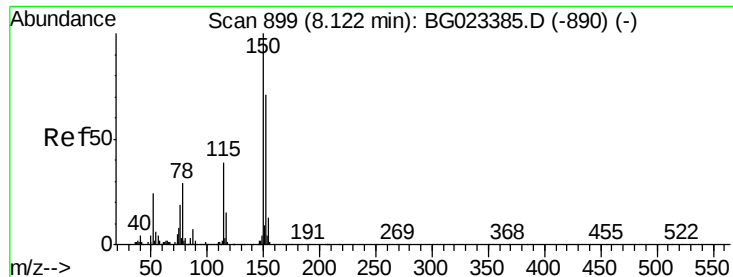
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.10 min Scan# 896

Delta R.T. -0.02 min

Lab File: BG023739.D

Acq: 16 Aug 2016 22:26

Instrument :

BNA_G

ClientSampleId :

AW-1

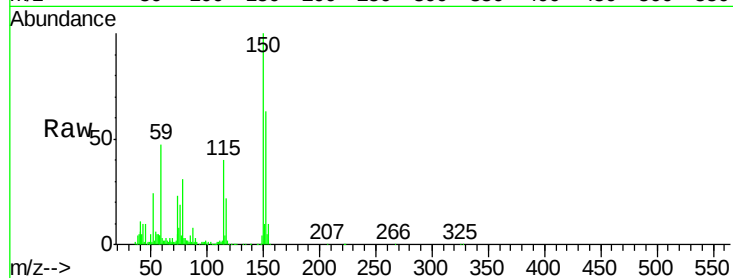
Tot Ion:152 Resp: 126281

Ion Ratio Lower Upper

152 100

150 158.5 144.7 217.1

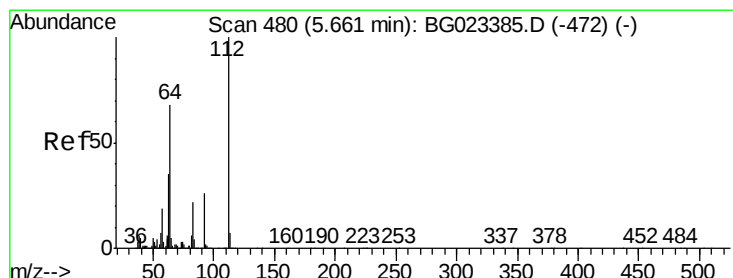
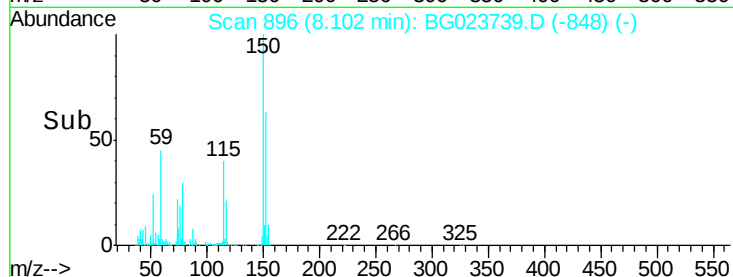
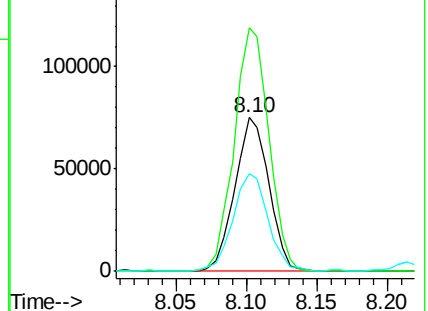
115 64.0 64.0 96.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 54.11 ng

RT: 5.65 min Scan# 478

Delta R.T. -0.01 min

Lab File: BG023739.D

Acq: 16 Aug 2016 22:26

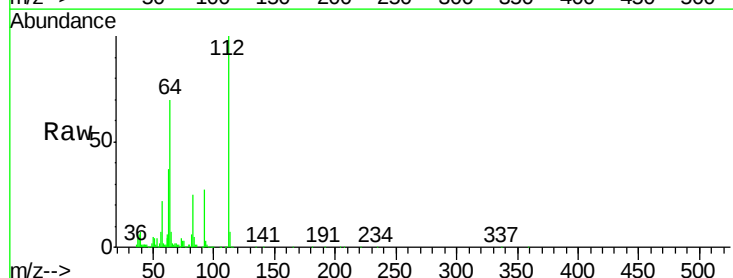
Tgt Ion:112 Resp: 405914

Ion Ratio Lower Upper

112 100

64 70.0 59.0 88.4

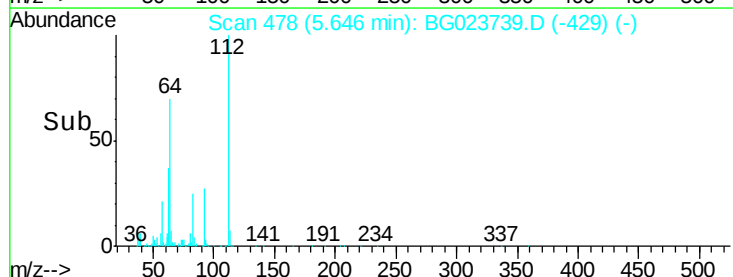
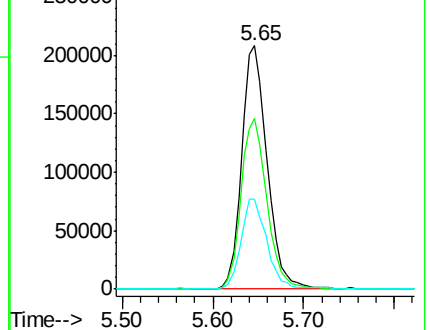
63 37.2 37.8 56.8#

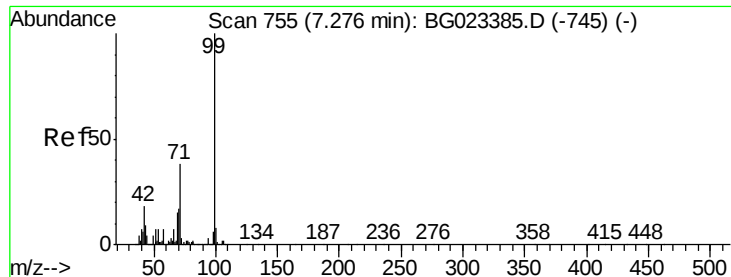


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 33.85 ng

RT: 7.29 min Scan# 757

Delta R.T. 0.01 min

Lab File: BG023739.D

Acq: 16 Aug 2016 22:26

Instrument :

BNA_G

ClientSampleId :

AW-1

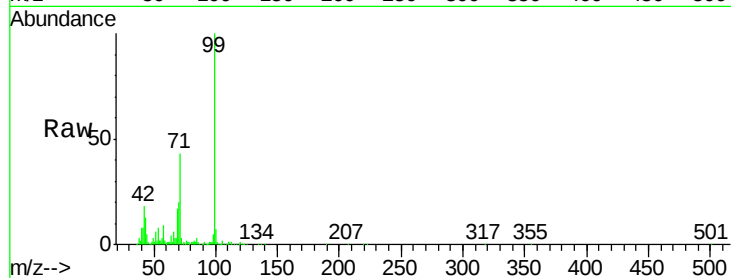
Tot Ion: 99 Resp: 395546

Ion Ratio Lower Upper

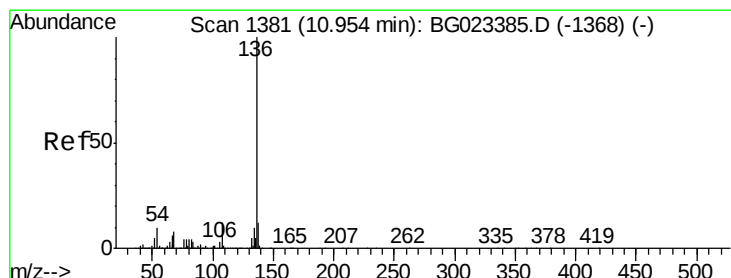
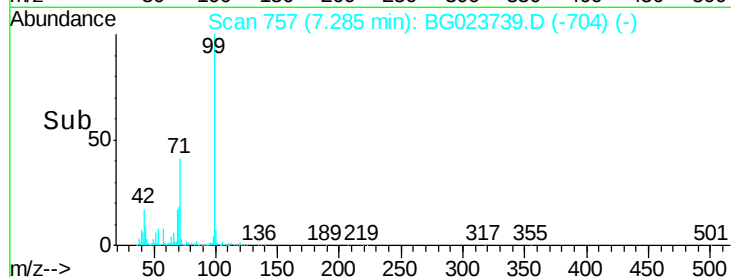
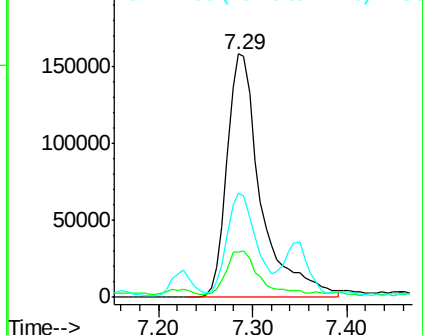
99 100

42 18.4 17.8 26.6

71 42.6 41.5 62.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.94 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BG023739.D

Acq: 16 Aug 2016 22:26

Tgt Ion: 136 Resp: 539054

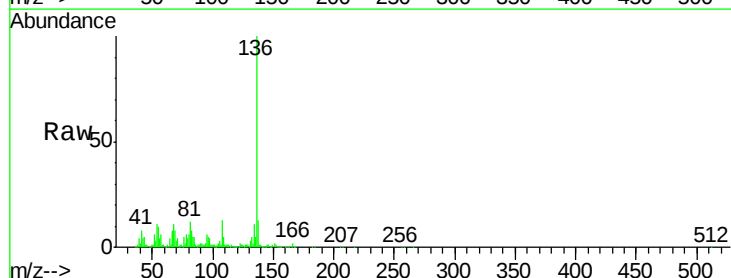
Ion Ratio Lower Upper

136 100

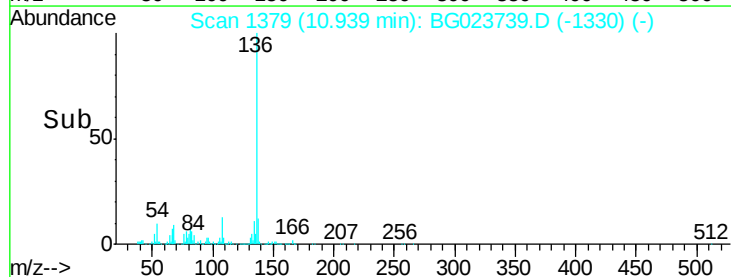
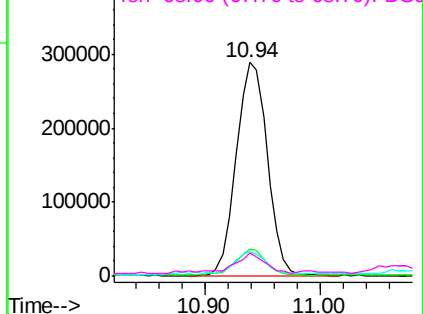
137 12.6 9.6 14.4

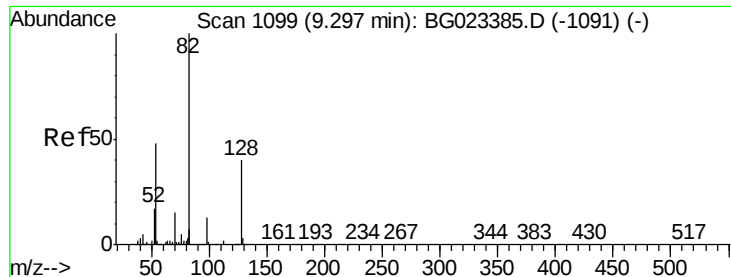
54 11.1 7.3 10.9#

68 10.5 5.3 7.9#



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

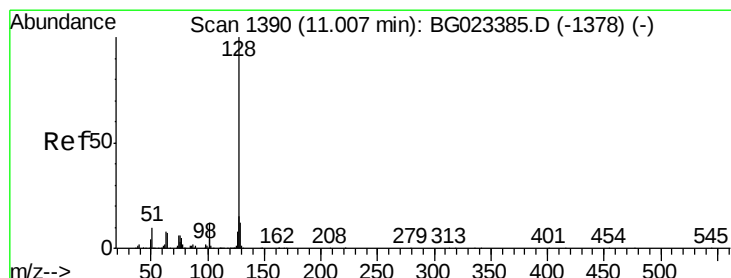
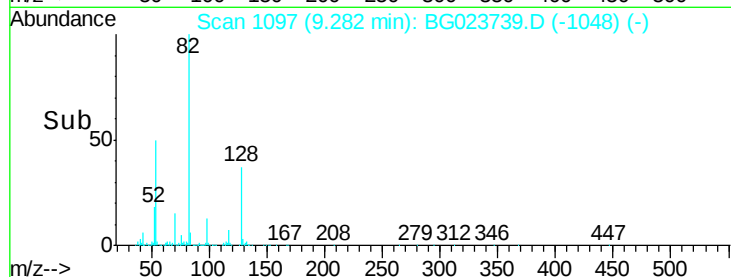
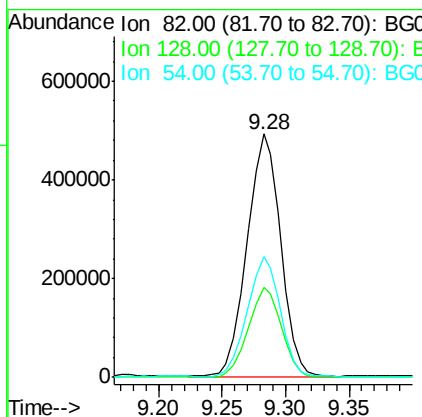
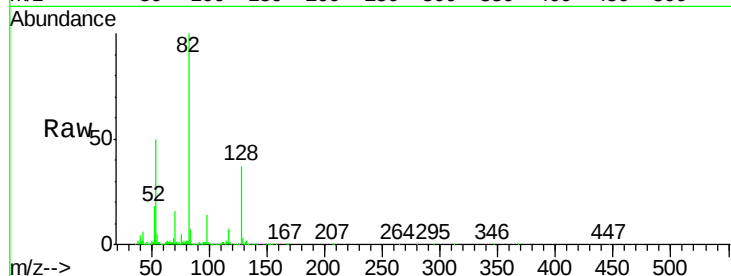




#23
 Nitrobenzene-d5
 Concen: 83.51 ng
 RT: 9.28 min Scan# 1097
 Delta R.T. -0.01 min
 Lab File: BG023739.D
 Acq: 16 Aug 2016 22:26

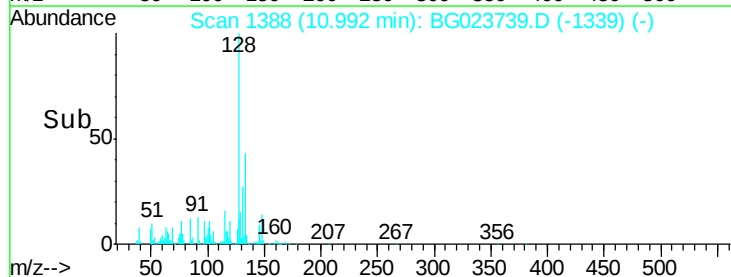
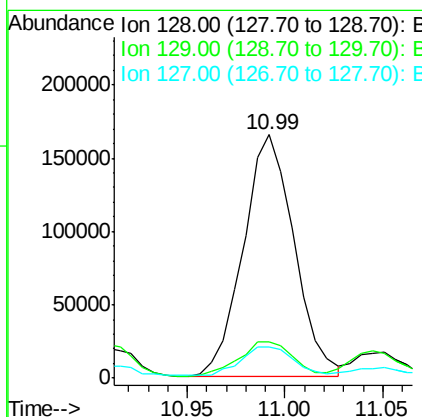
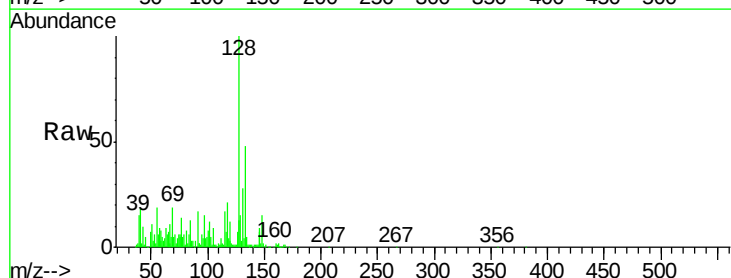
Instrument :
 BNA_G
 ClientSampleId :
 AW-1

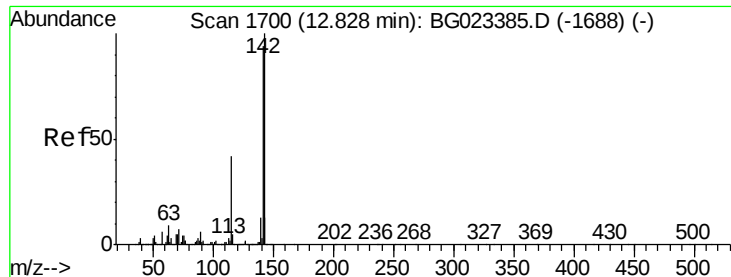
Tot Ion	82	Resp	905487
Ion Ratio	Lower	Upper	
82	100		
128	37.0	24.4	36.6#
54	49.6	41.4	62.0



#31
 Naphthalene
 Concen: 10.87 ng
 RT: 10.99 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BG023739.D
 Acq: 16 Aug 2016 22:26

Tgt Ion	128	Resp	298399
Ion Ratio	Lower	Upper	
128	100		
129	15.1	9.4	14.0#
127	12.8	11.3	16.9

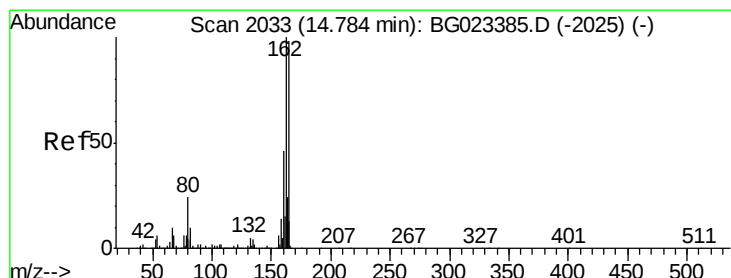
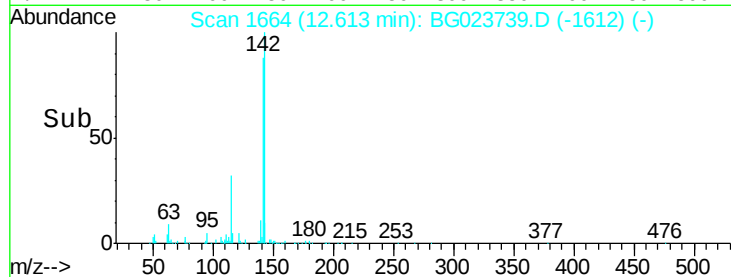
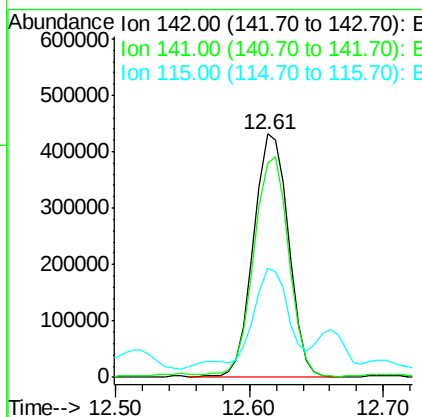
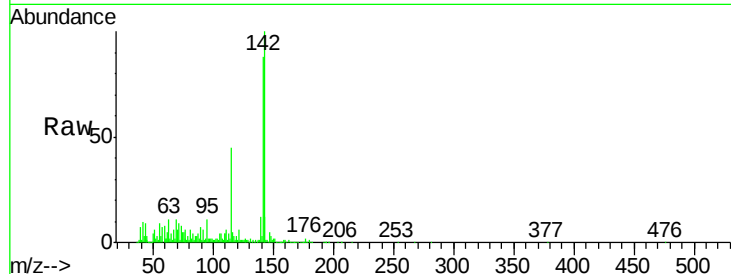




#37
2-Methylnaphthalene
Concen: 37.33 ng
RT: 12.61 min Scan# 1664
Delta R.T. 0.00 min
Lab File: BG023739.D
Acq: 16 Aug 2016 22:26

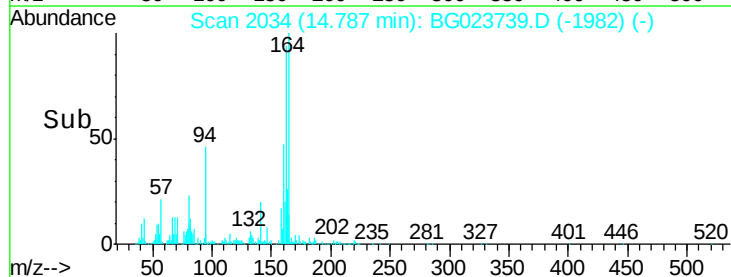
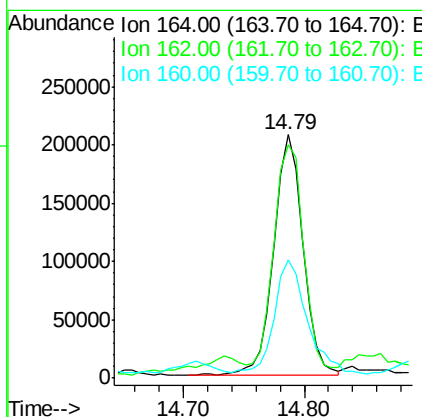
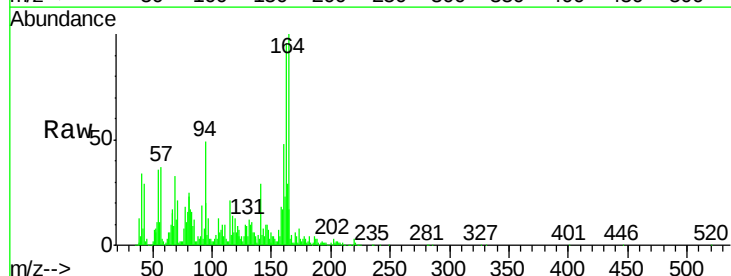
Instrument :
BNA_G
ClientSampleId :
AW-1

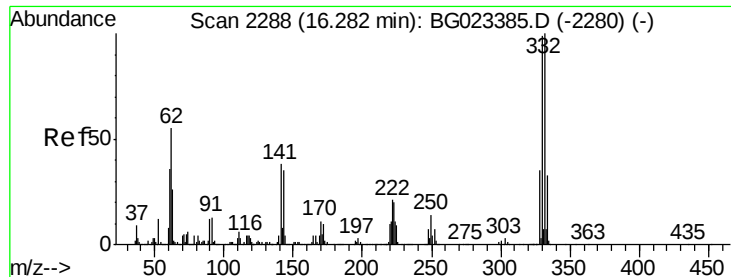
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.2	105.2
115	44.7	41.7	62.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.79 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BG023739.D
Acq: 16 Aug 2016 22:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.7	87.7	131.5
160	48.4	37.2	55.8

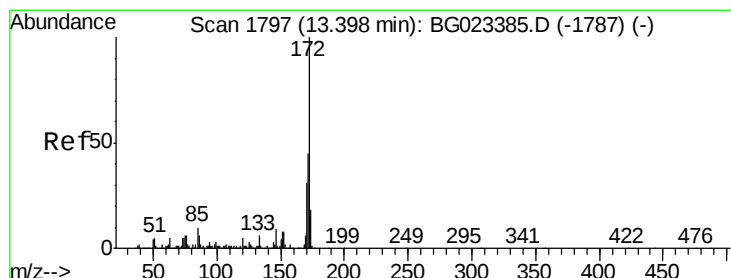
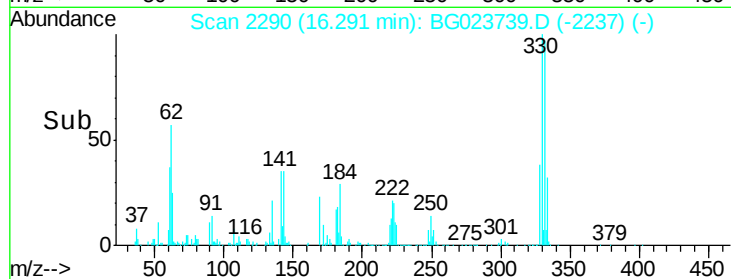
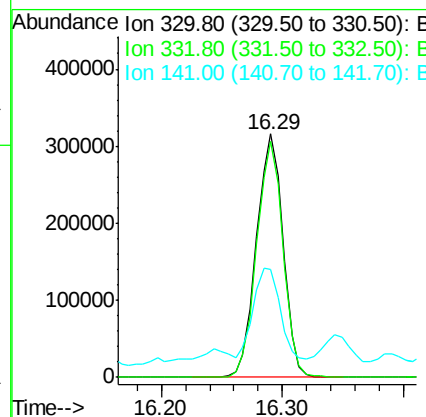
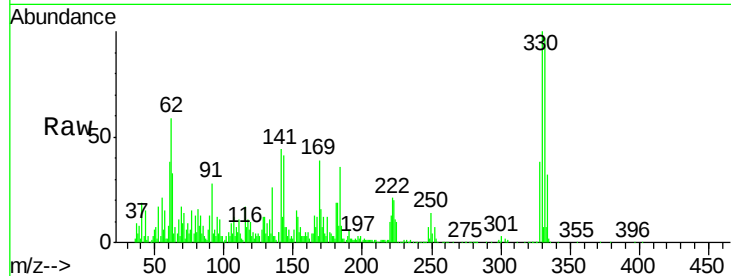




#41
 2,4,6-Tribromophenol
 Concen: 96.27 ng
 RT: 16.29 min Scan# 2290
 Delta R.T. 0.01 min
 Lab File: BG023739.D
 Acq: 16 Aug 2016 22:26

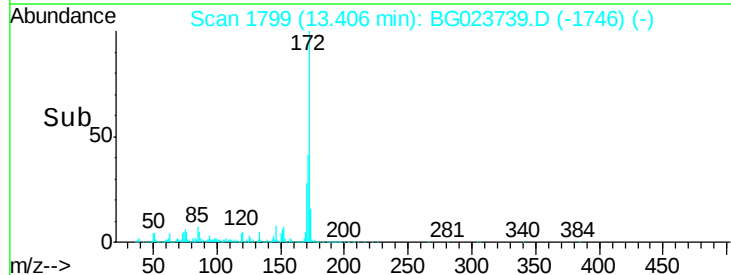
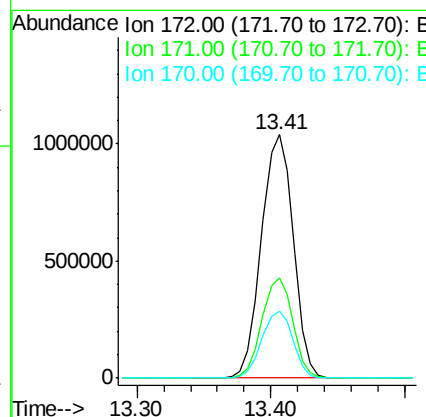
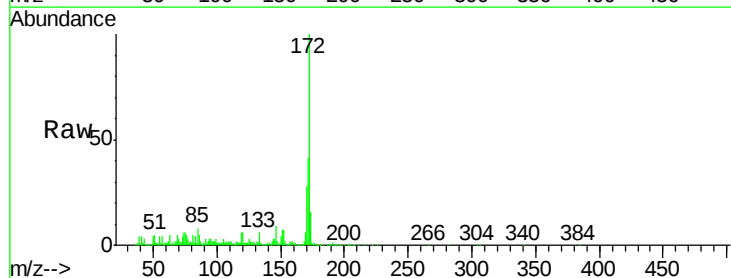
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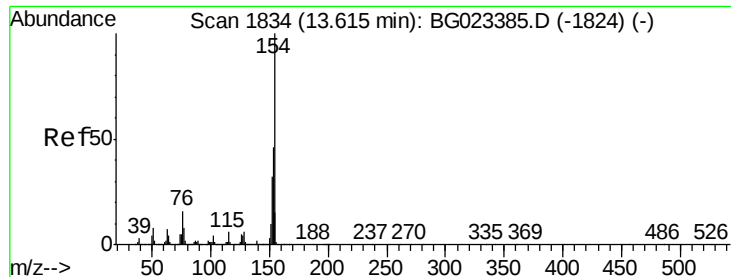
Tot Ion:330 Resp: 487414
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.4 116.2
 141 40.4 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 83.46 ng
 RT: 13.41 min Scan# 1799
 Delta R.T. 0.01 min
 Lab File: BG023739.D
 Acq: 16 Aug 2016 22:26

Tgt Ion:172 Resp: 1712810
 Ion Ratio Lower Upper
 172 100
 171 41.1 31.6 47.4
 170 27.7 21.3 31.9

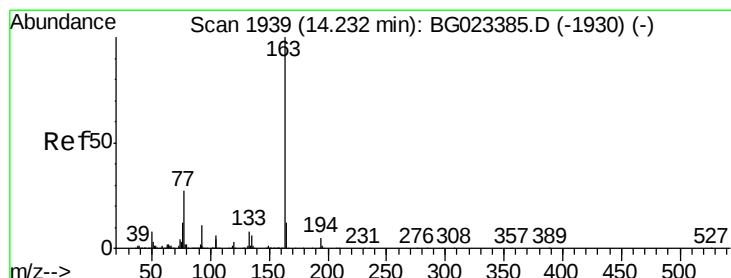
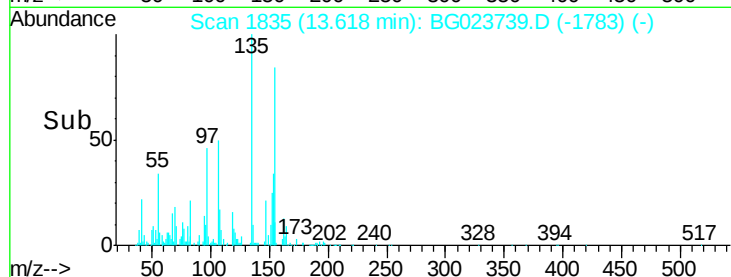
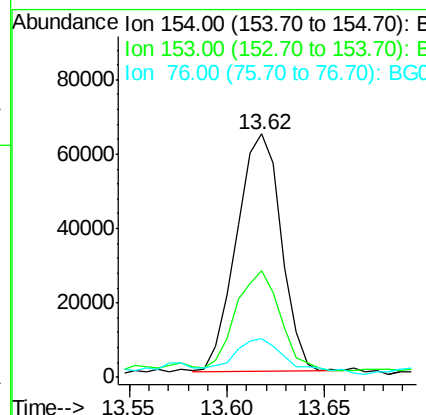
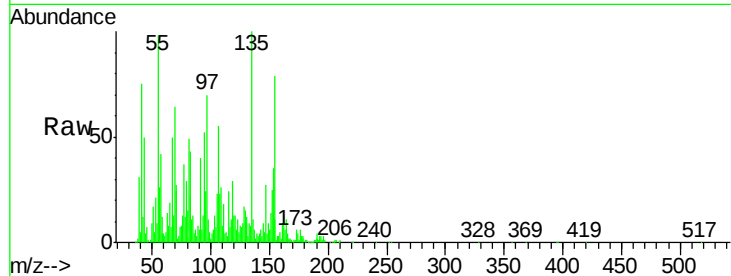




#45
 1,1'-Biphenyl
 Concen: 3.82 ng
 RT: 13.62 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: BG023739.D
 Acq: 16 Aug 2016 22:26

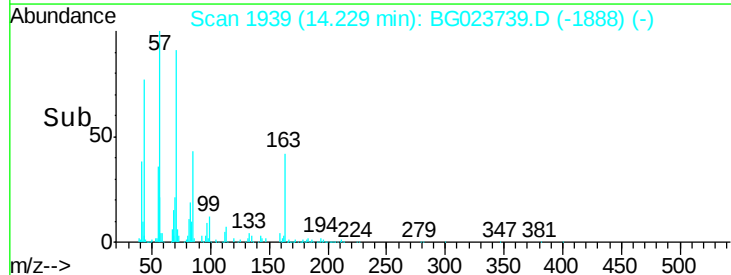
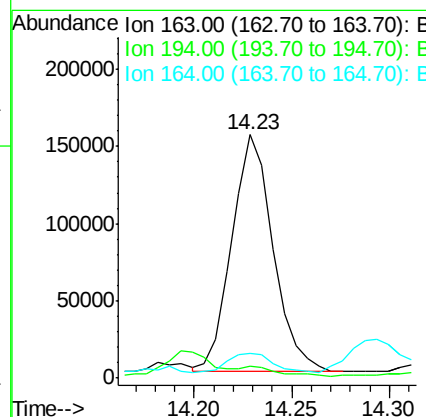
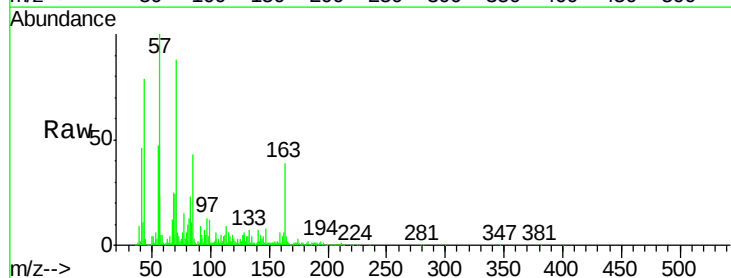
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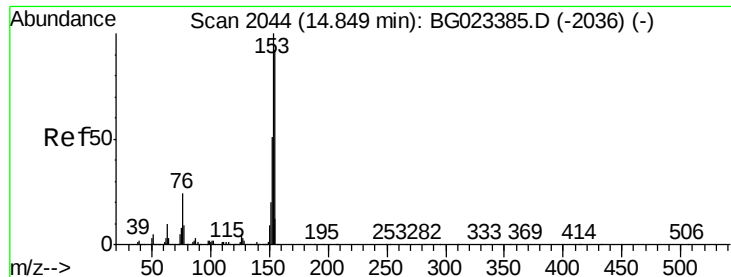
Tot Ion	Ratio	Lower	Upper
154	100		
153	44.0	20.2	60.2
76	16.1	0.0	32.9



#49
 Dimethylphthalate
 Concen: 8.45 ng
 RT: 14.23 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: BG023739.D
 Acq: 16 Aug 2016 22:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.6	5.4
164	9.9	8.1	12.1





#51

Acenaphthene

Concen: 8.56 ng

RT: 14.85 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BG023739.D

Acq: 16 Aug 2016 22:26

Instrument :

BNA_G

ClientSampleId :

AW-1

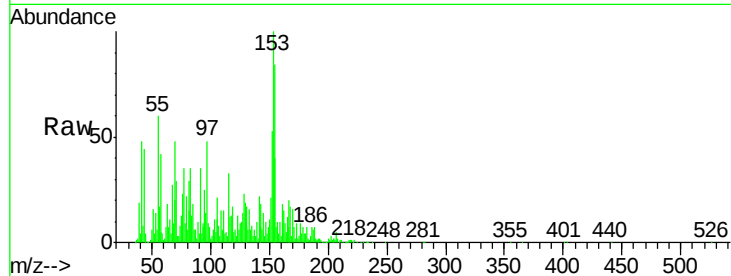
Tot Ion:154 Resp: 175411

Ion Ratio Lower Upper

154 100

153 118.6 87.5 131.3

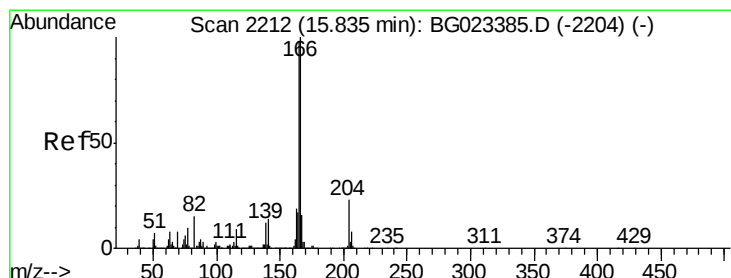
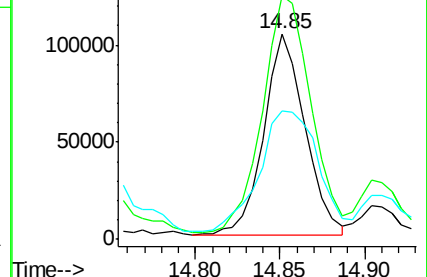
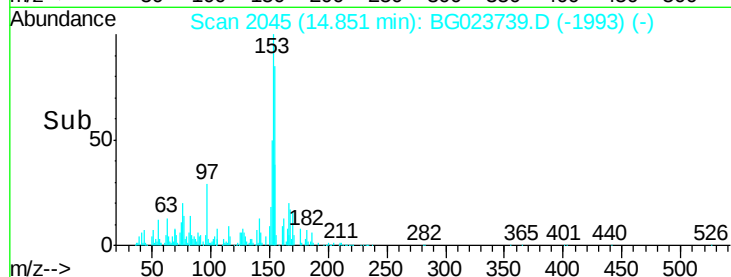
152 62.3 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 9.78 ng

RT: 15.84 min Scan# 2213

Delta R.T. 0.00 min

Lab File: BG023739.D

Acq: 16 Aug 2016 22:26

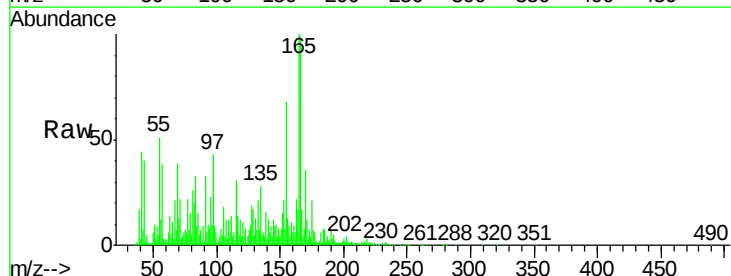
Tgt Ion:166 Resp: 254036

Ion Ratio Lower Upper

166 100

165 100.9 81.0 121.6

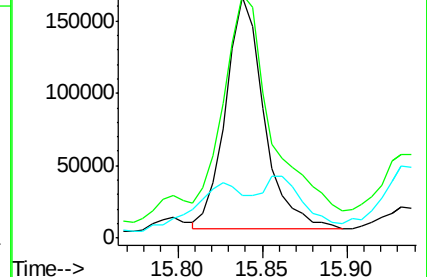
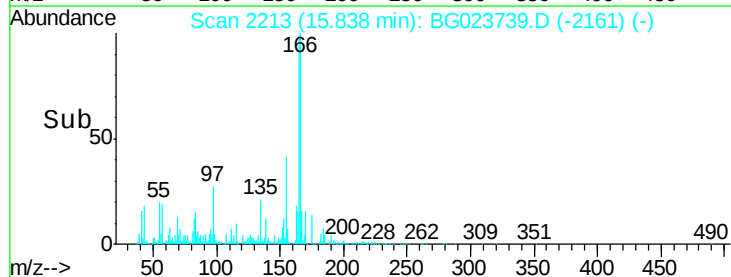
167 17.4 12.0 18.0

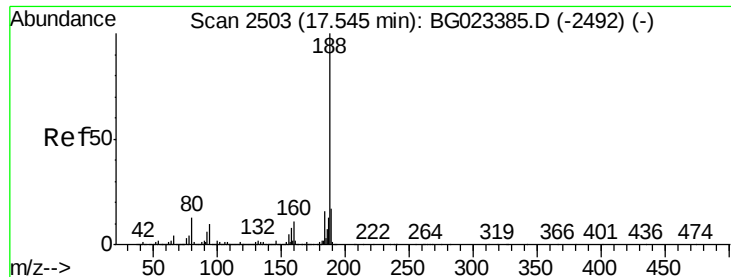


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

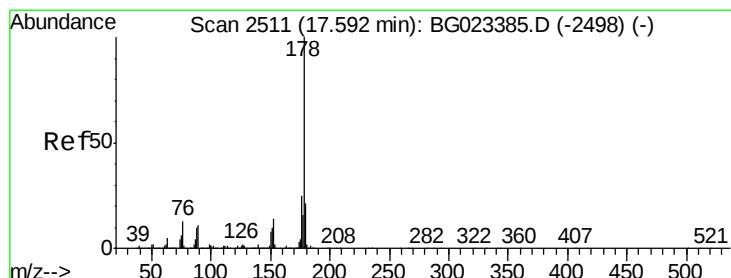
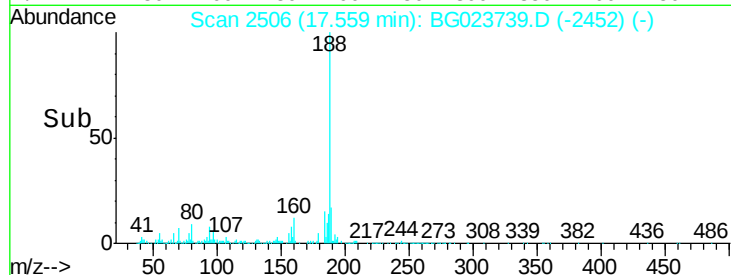
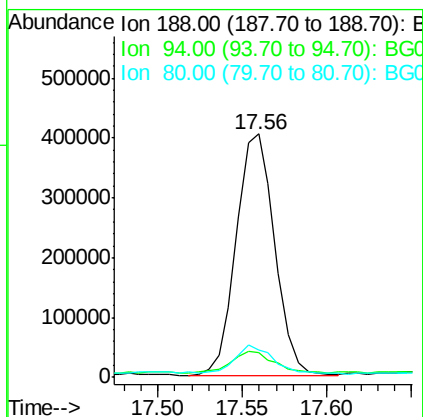
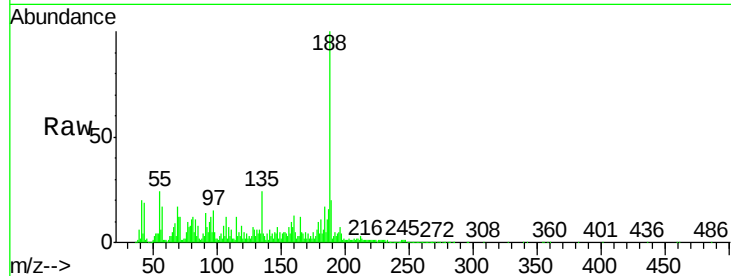




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2506
Delta R.T. 0.01 min
Lab File: BG023739.D
Acq: 16 Aug 2016 22:26

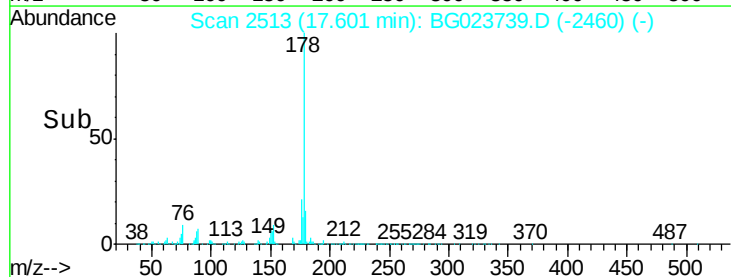
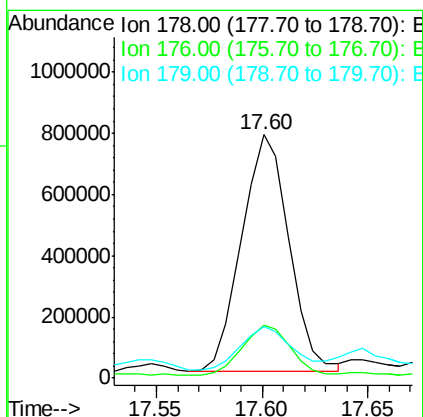
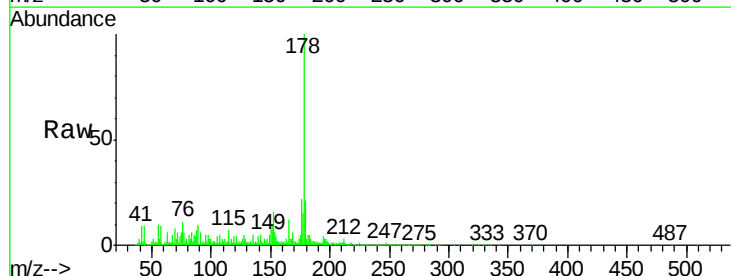
Instrument :
BNA_G
ClientSampled :
AW-1

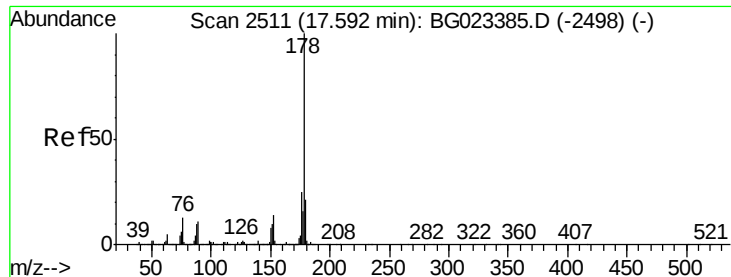
Tot Ion:188 Resp: 636314
Ion Ratio Lower Upper
188 100
94 10.0 5.2 7.8#
80 11.2 7.2 10.8#



#70
Phenanthrene
Concen: 37.65 ng
RT: 17.60 min Scan# 2513
Delta R.T. 0.01 min
Lab File: BG023739.D
Acq: 16 Aug 2016 22:26

Tgt Ion:178 Resp: 1215677
Ion Ratio Lower Upper
178 100
176 22.0 16.8 25.2
179 21.2 14.3 21.5





#71

Anthracene

Concen: 4.71 ng

RT: 17.69 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BG023739.D

Acq: 16 Aug 2016 22:26

Instrument :

BNA_G

ClientSampleId :

AW-1

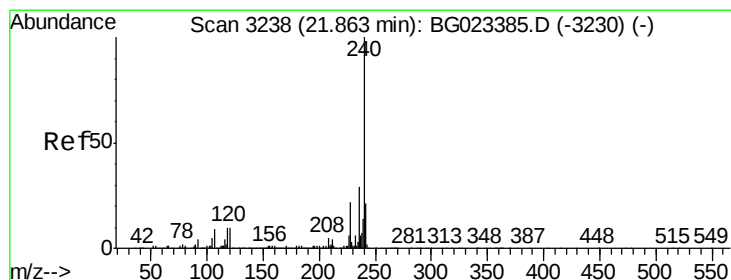
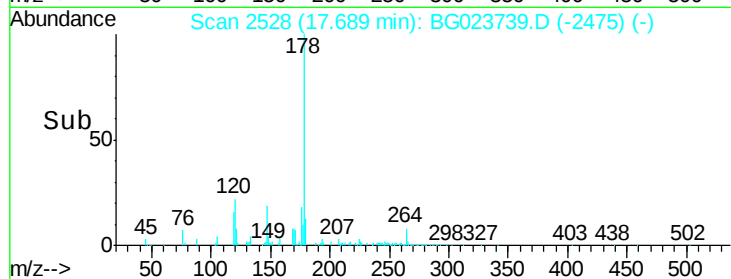
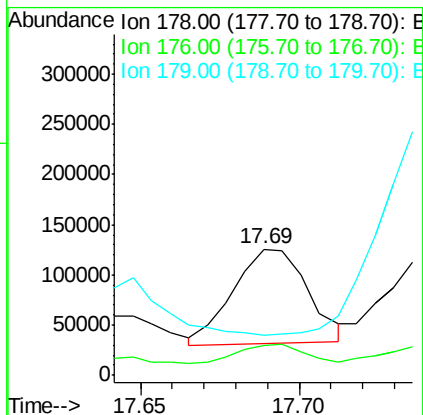
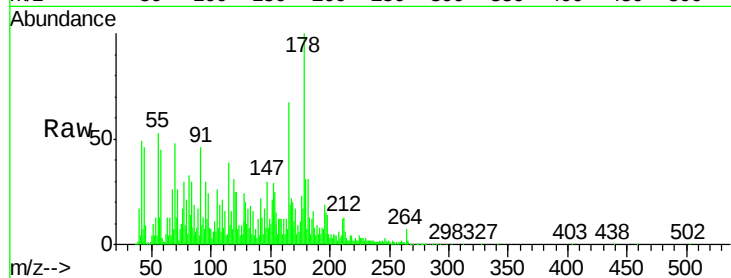
Tot Ion:178 Resp: 152929

Ion Ratio Lower Upper

178 100

176 23.5 17.3 25.9

179 31.4 14.0 21.0#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.88 min Scan# 3242

Delta R.T. 0.02 min

Lab File: BG023739.D

Acq: 16 Aug 2016 22:26

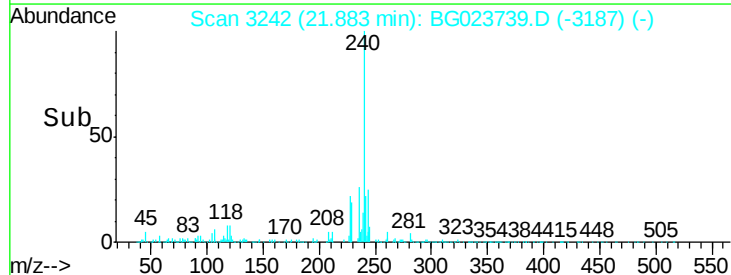
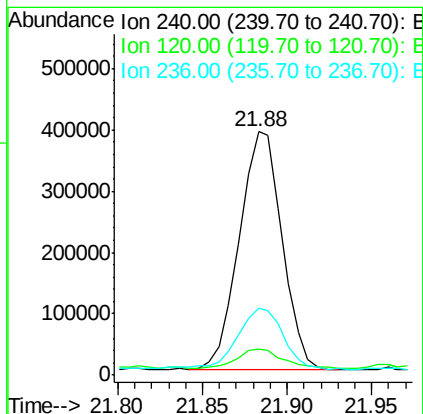
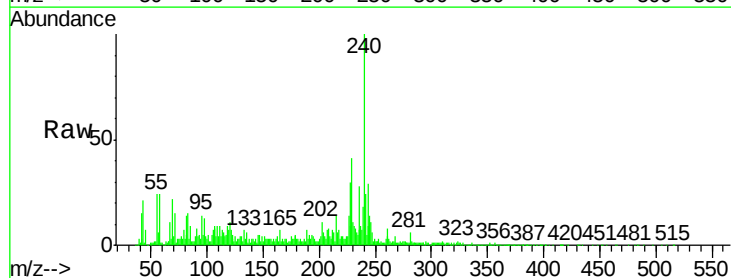
Tgt Ion:240 Resp: 685486

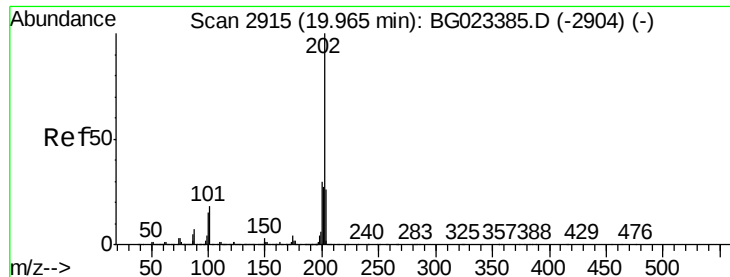
Ion Ratio Lower Upper

240 100

120 10.9 4.1 6.1#

236 27.8 21.1 31.7





#77

Pvrene

Concen: 21.14 ng

RT: 19.99 min Scan# 2919

Delta R.T. 0.02 min

Lab File: BG023739.D

Acq: 16 Aug 2016 22:26

Instrument :

BNA_G

ClientSampleId :

AW-1

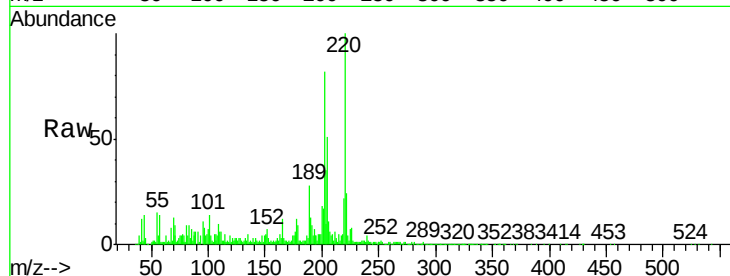
Tot Ion:202 Resp: 1002169

Ion Ratio Lower Upper

202 100

200 21.9 21.2 31.8

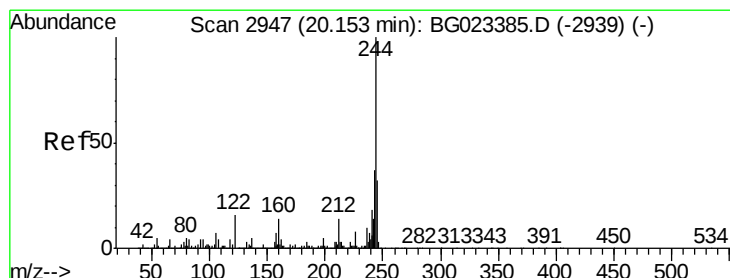
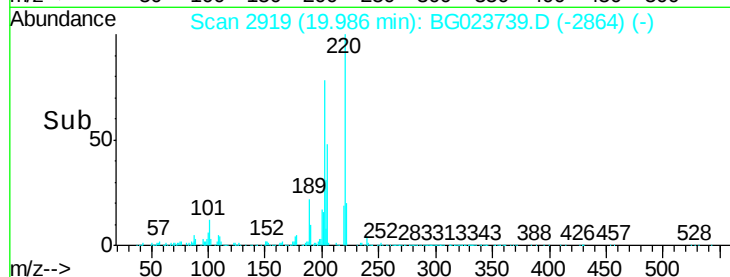
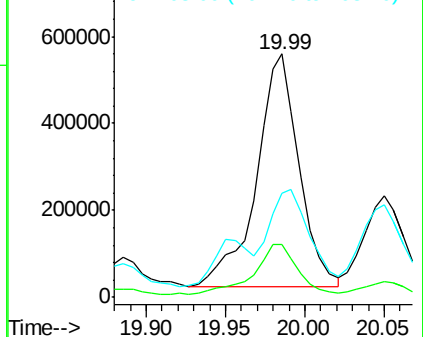
203 42.6 16.8 25.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 69.43 ng

RT: 20.17 min Scan# 2950

Delta R.T. 0.01 min

Lab File: BG023739.D

Acq: 16 Aug 2016 22:26

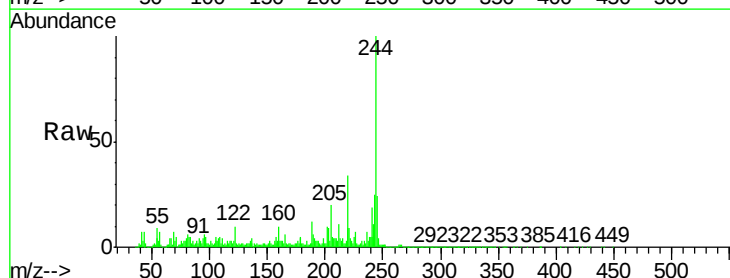
Tgt Ion:244 Resp: 1597698

Ion Ratio Lower Upper

244 100

212 10.8 10.8 16.2

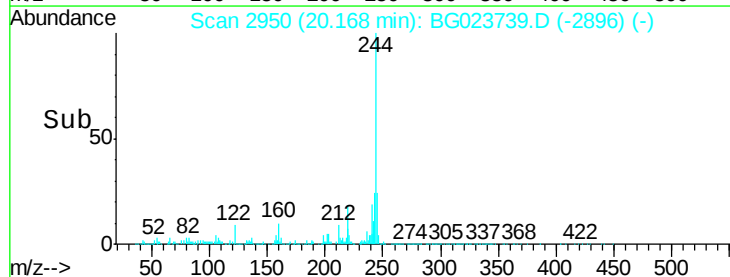
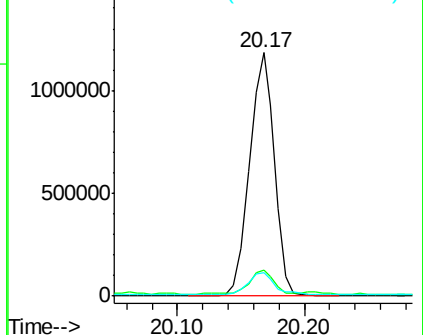
122 9.8 8.0 12.0

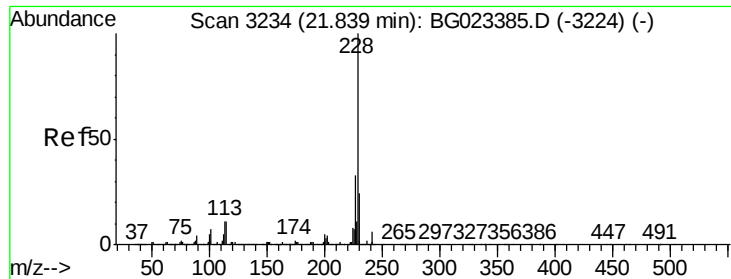


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

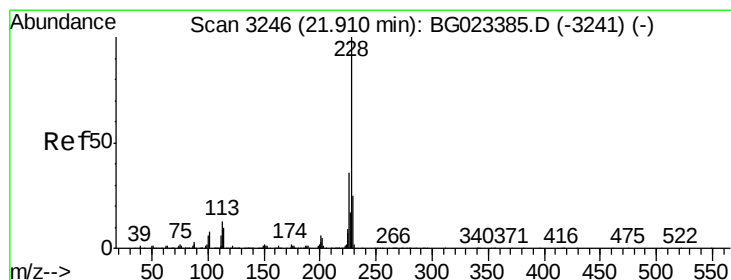
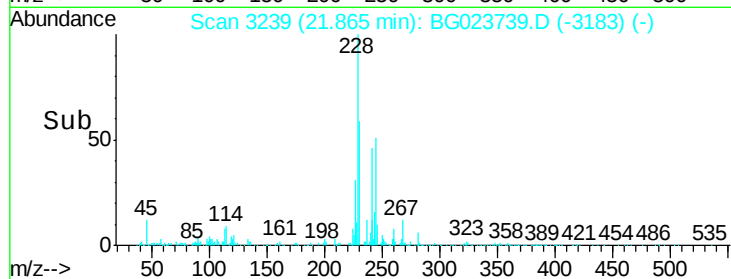
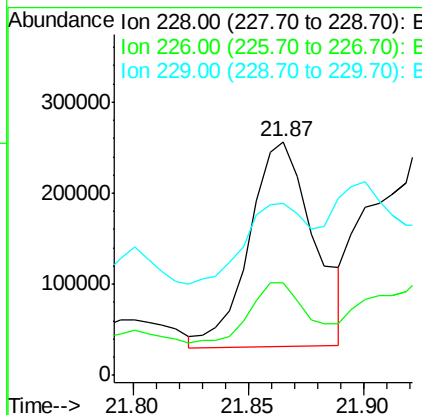
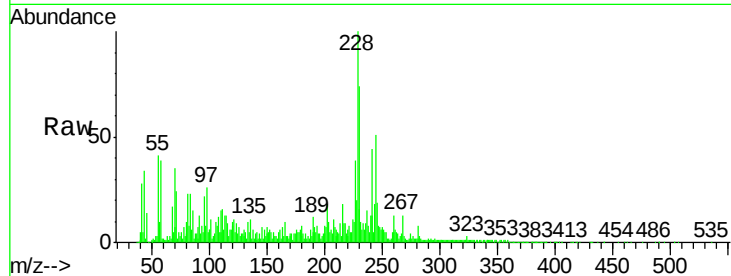




#80
Benzo(a)anthracene
Concen: 11.57 ng
RT: 21.87 min Scan# 3239
Delta R.T. 0.03 min
Lab File: BG023739.D
Acq: 16 Aug 2016 22:26

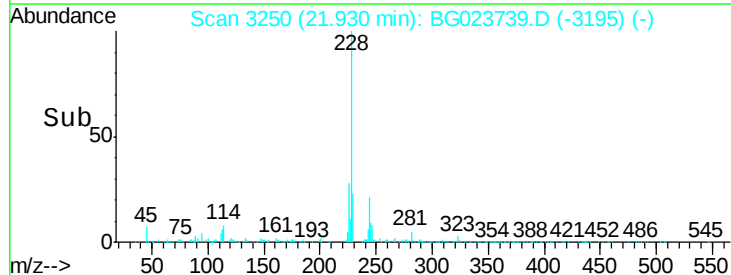
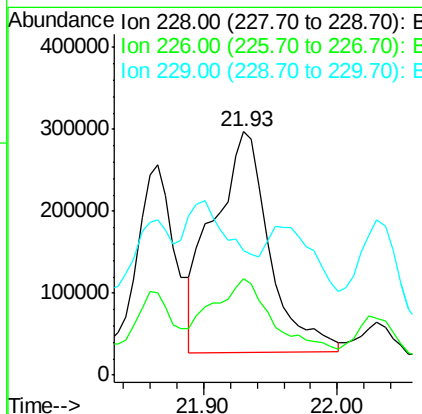
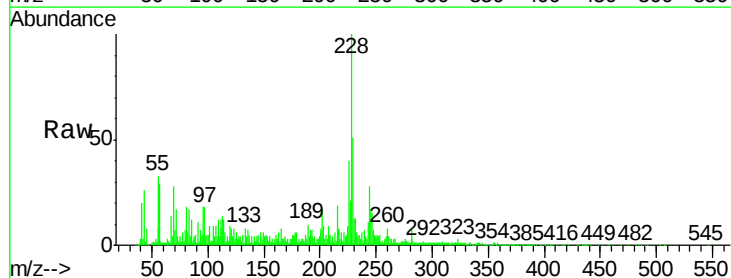
Instrument :
BNA_G
ClientSampleId :
AW-1

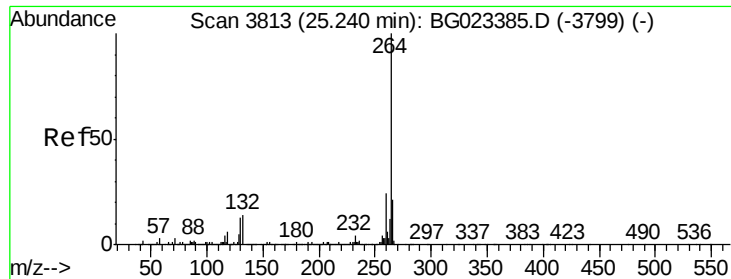
Tot Ion:228 Resp: 437746
Ion Ratio Lower Upper
228 100
226 39.4 25.3 37.9#
229 73.7 19.9 29.9#



#82
Chrysene
Concen: 21.65 ng
RT: 21.93 min Scan# 3250
Delta R.T. 0.02 min
Lab File: BG023739.D
Acq: 16 Aug 2016 22:26

Tgt Ion:228 Resp: 779425
Ion Ratio Lower Upper
228 100
226 39.7 26.7 40.1
229 51.2 17.4 26.2#

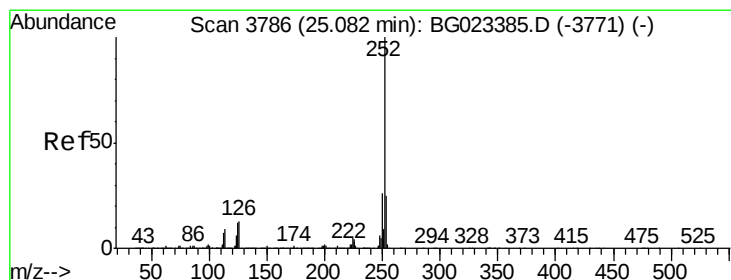
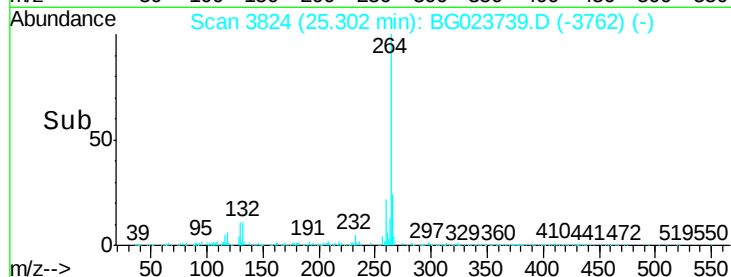
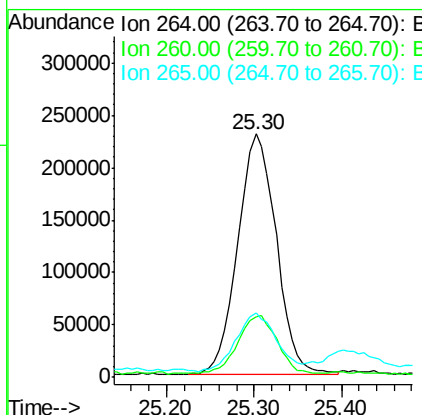
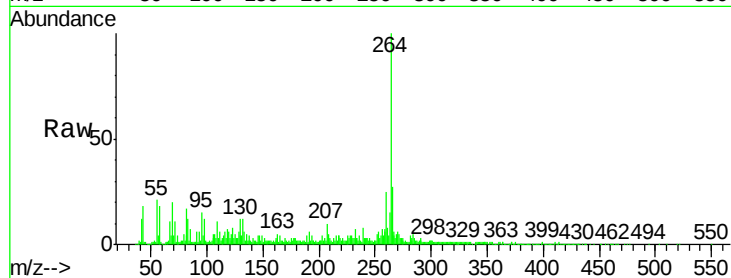




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.30 min Scan# 3824
Delta R.T. 0.06 min
Lab File: BG023739.D
Acq: 16 Aug 2016 22:26

Instrument :
BNA_G
ClientSampleId :
AW-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.4	27.6
265	26.5	18.9	28.3



#89
Benzo(a)pyrene
Concen: 6.90 ng
RT: 25.14 min Scan# 3797
Delta R.T. 0.06 min
Lab File: BG023739.D
Acq: 16 Aug 2016 22:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.9	18.7	28.1#
125	19.5	3.9	5.9#

