

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081616\
 Data File : BG023738.D
 Acq On : 16 Aug 2016 21:49
 Operator : UM/SJ
 Sample : H4422-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IW-1

Quant Time: Aug 17 01:05:47 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	94753	20.00	ng	-0.02
21) Naphthalene-d8	10.94	136	434239	20.00	ng	-0.02
38) Acenaphthene-d10	14.78	164	297850	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	672924	20.00	ng	0.00
75) Chrysene-d12	21.86	240	699619	20.00	ng	0.00
86) Perylene-d12	25.26	264	706452	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	561722	99.79	ng	-0.02
7) Phenol-d6	7.26	99	730496	83.32	ng	-0.02
23) Nitrobenzene-d5	9.28	82	793349	90.83	ng	-0.02
41) 2,4,6-Tribromophenol	16.28	330	487480	111.89	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	1623882	91.96	ng	0.00
78) Terphenyl-d14	20.16	244	2155192	99.72	ng	0.00

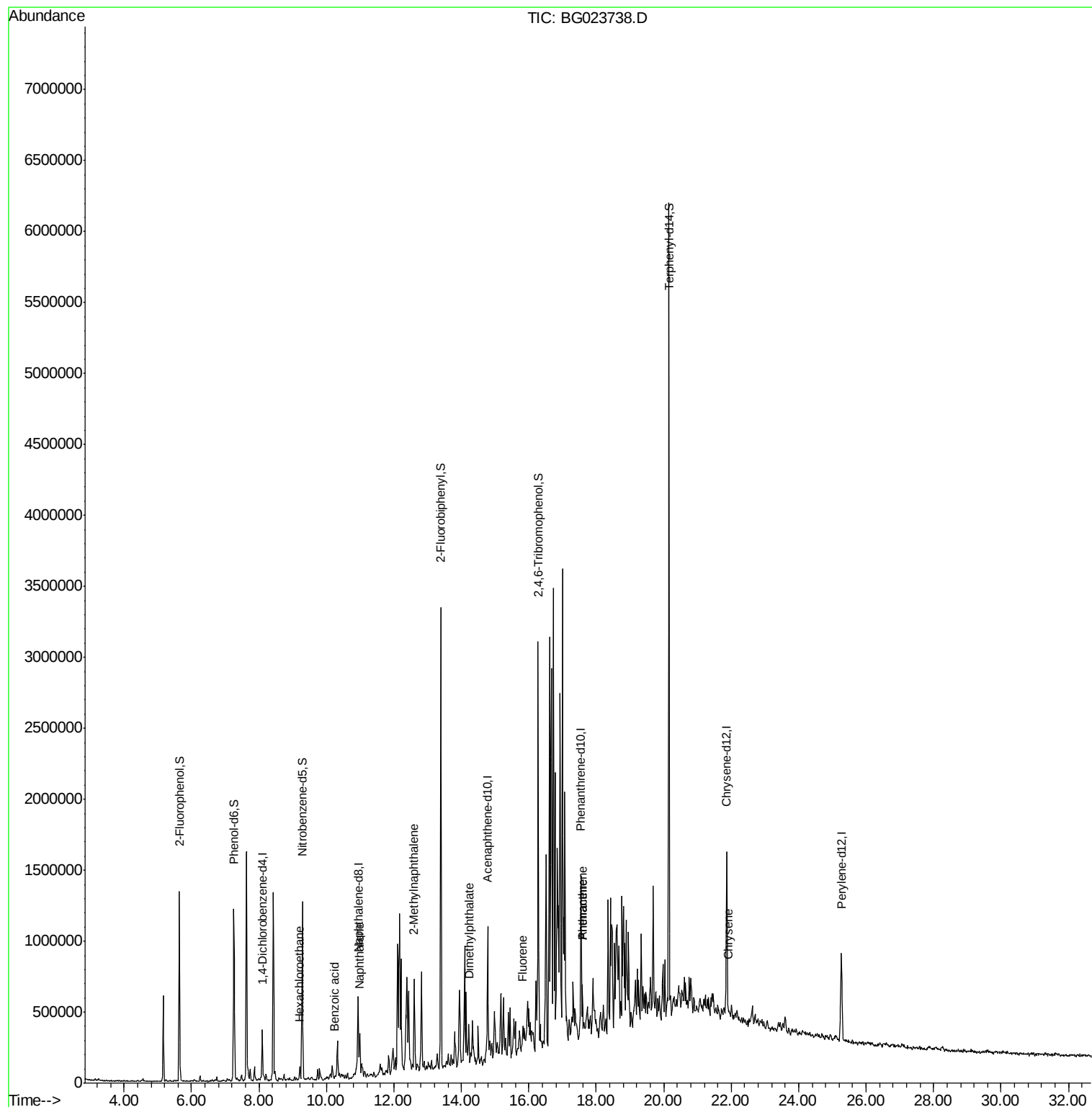
Target Compounds				Qvalue		
9) Benzaldehyde	7.23	77	1646	Below Cal	#	1
18) Hexachloroethane	9.22	117	12734	4.46	ng	# 1
31) Naphthalene	10.99	128	182277	8.24	ng	99
32) Benzoic acid	10.25	122	924	6.57	ng	# 73
37) 2-Methylnaphthalene	12.60	142	279084	16.60	ng	96
49) Dimethylphthalate	14.22	163	112489	4.92	ng	99
57) Fluorene	15.83	166	48568	2.17	ng	93
70) Phenanthrene	17.59	178	195110	5.71	ng	99
71) Anthracene	17.59	178	195018	5.68	ng	98
73) Di-n-butylphthalate	18.49	149	10525	Below Cal	#	81
74) Fluoranthene	19.60	202	21326	Below Cal	#	58
77) Pyrene	19.97	202	110836	Below Cal	#	80
82) Chrysene	21.91	228	77257	2.10	ng	# 78

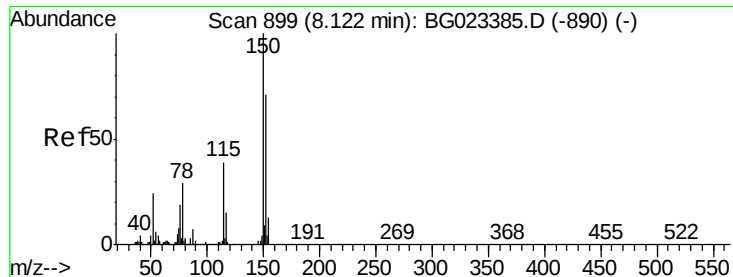
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG023738.D

Acq: 16 Aug 2016 21:49

Instrument :

BNA_G

ClientSampleId :

IW-1

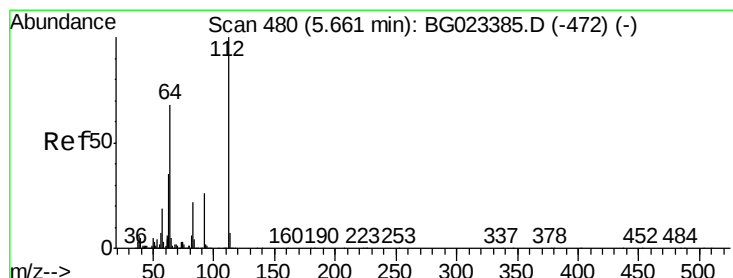
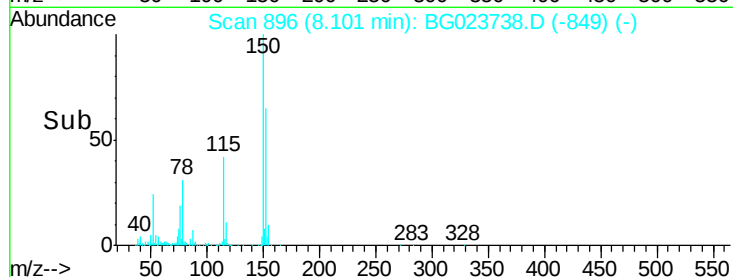
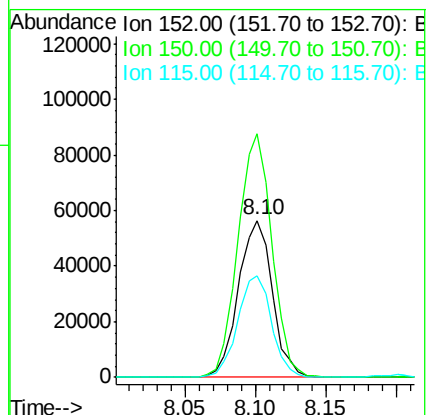
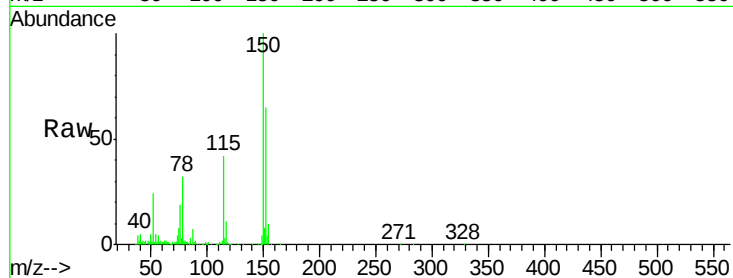
Tgt Ion:152 Resp: 94753

Ion Ratio Lower Upper

152 100

150 154.9 144.7 217.1

115 64.4 64.0 96.0



#5

2-Fluorophenol

Concen: 99.79 ng

RT: 5.64 min Scan# 477

Delta R.T. -0.02 min

Lab File: BG023738.D

Acq: 16 Aug 2016 21:49

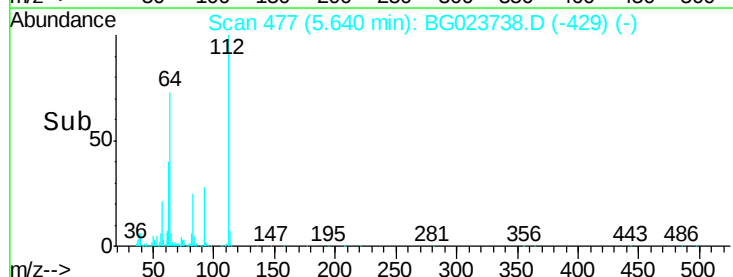
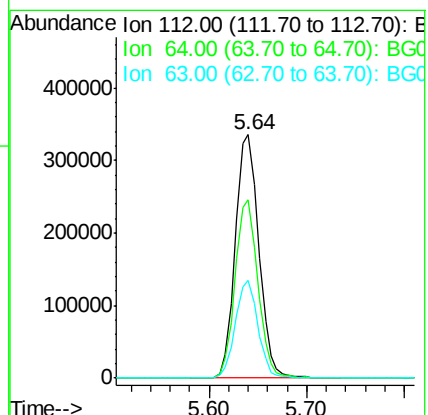
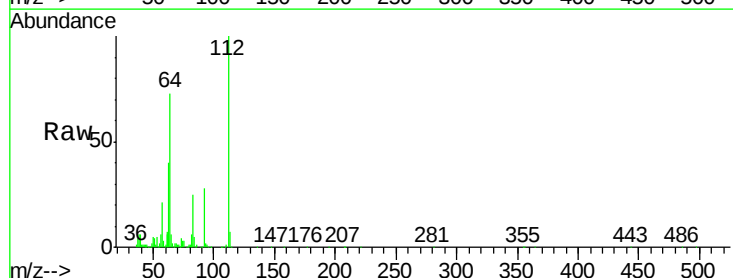
Tgt Ion:112 Resp: 561722

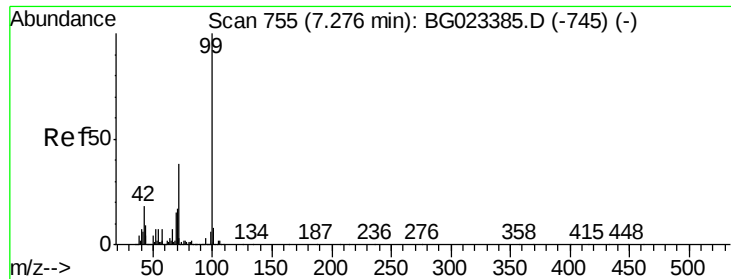
Ion Ratio Lower Upper

112 100

64 73.4 59.0 88.4

63 40.0 37.8 56.8





#7

Phenol-d6

Concen: 83.32 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.02 min

Lab File: BG023738.D

Acq: 16 Aug 2016 21:49

Instrument :

BNA_G

ClientSampled :

IW-1

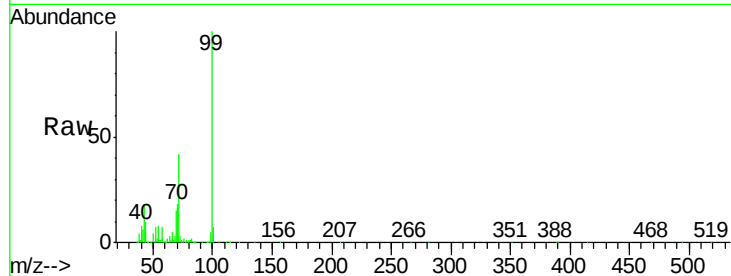
Tgt Ion: 99 Resp: 730496

Ion Ratio Lower Upper

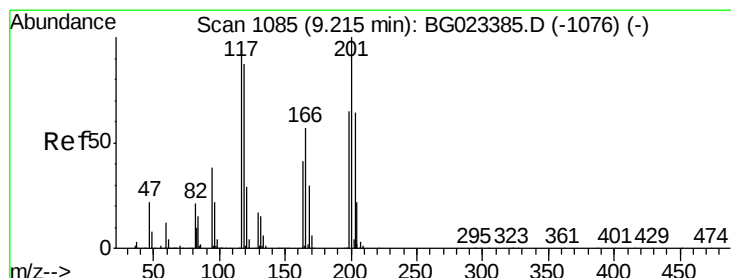
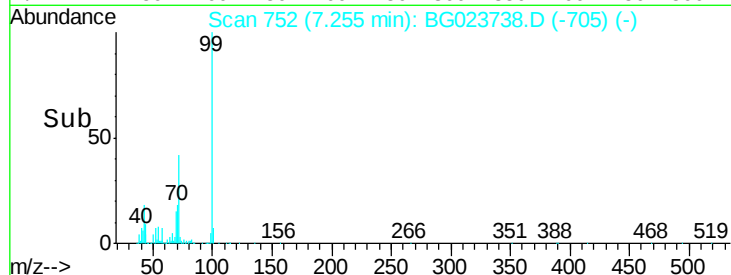
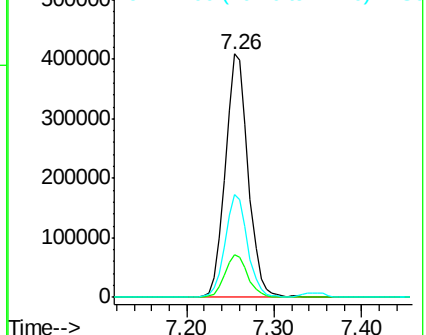
99 100

42 17.8 17.8 26.6

71 42.1 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



#18

Hexachloroethane

Concen: 4.46 ng

RT: 9.22 min Scan# 1086

Delta R.T. 0.00 min

Lab File: BG023738.D

Acq: 16 Aug 2016 21:49

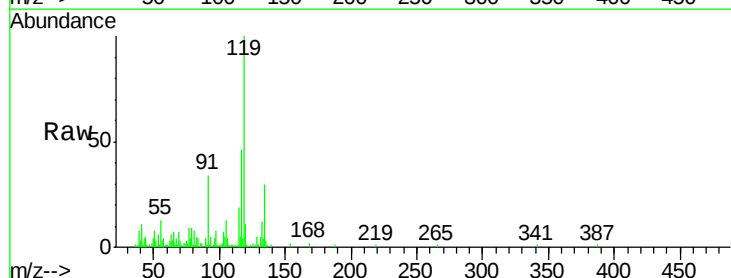
Tgt Ion: 117 Resp: 12734

Ion Ratio Lower Upper

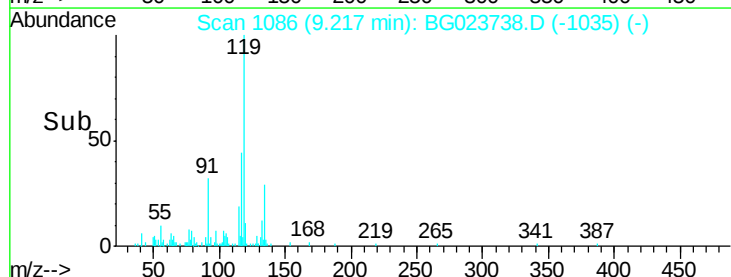
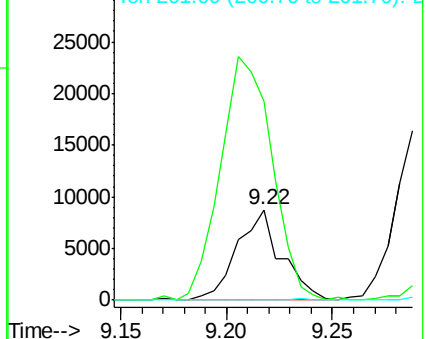
117 100

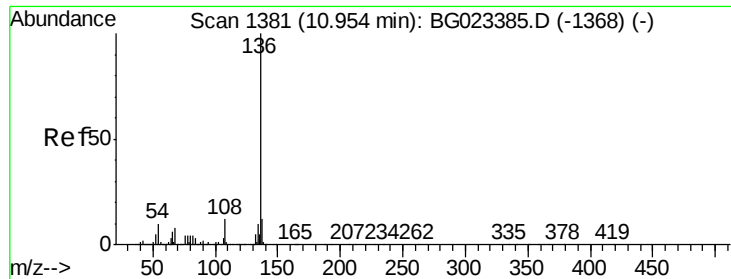
119 219.6 73.7 110.5#

201 0.0 88.7 133.1#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

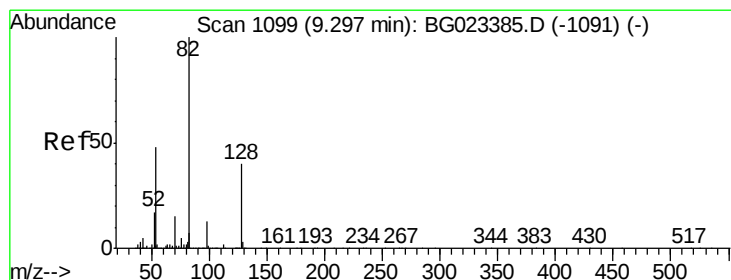
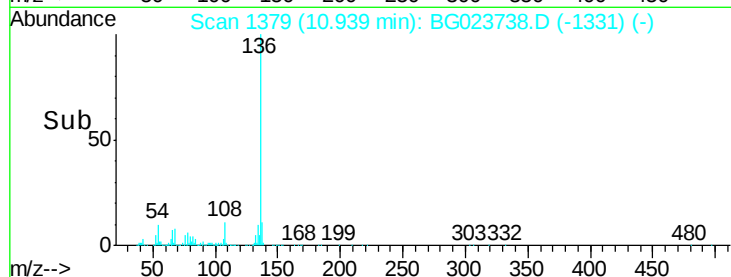
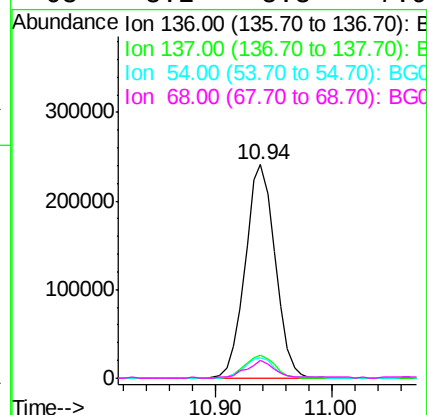
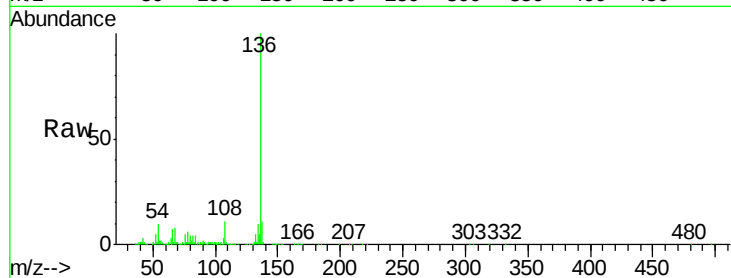




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.94 min Scan# 1379
Delta R.T. -0.02 min
Lab File: BG023738.D
Acq: 16 Aug 2016 21:49

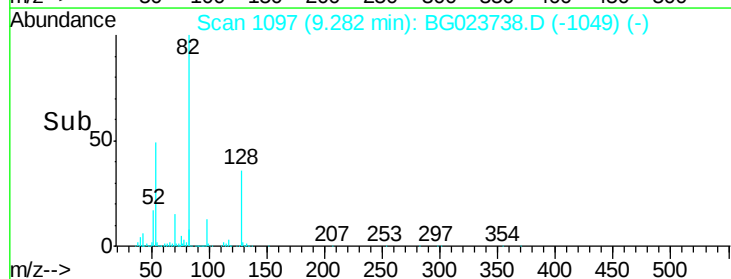
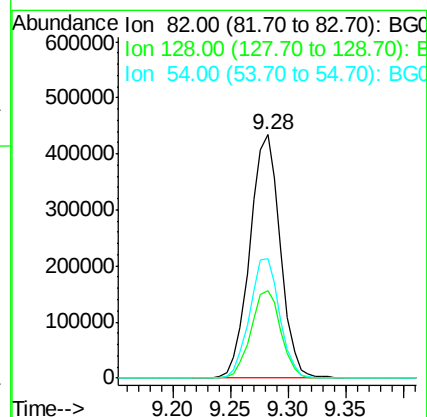
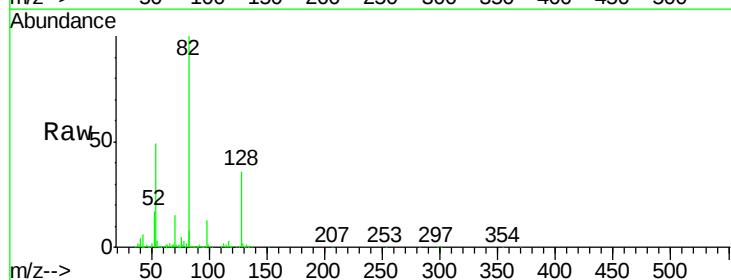
Instrument :
BNA_G
ClientSampleId :
IW-1

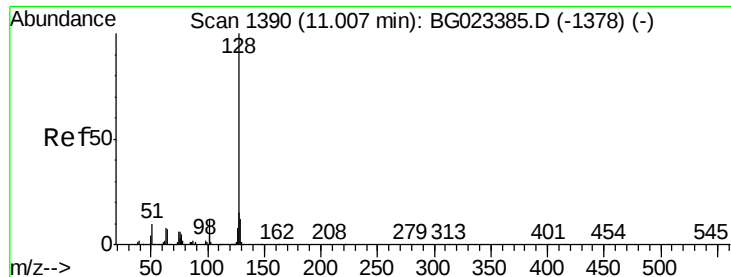
Tgt Ion:	136	Resp:	434239
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.6	14.4
54	9.8	7.3	10.9
68	8.2	5.3	7.9#



#23
Nitrobenzene-d5
Concen: 90.83 ng
RT: 9.28 min Scan# 1097
Delta R.T. -0.02 min
Lab File: BG023738.D
Acq: 16 Aug 2016 21:49

Tgt Ion:	82	Resp:	793349
Ion	Ratio	Lower	Upper
82	100		
128	35.9	24.4	36.6
54	48.8	41.4	62.0

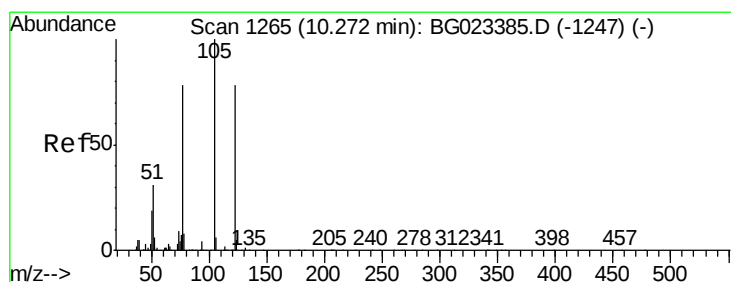
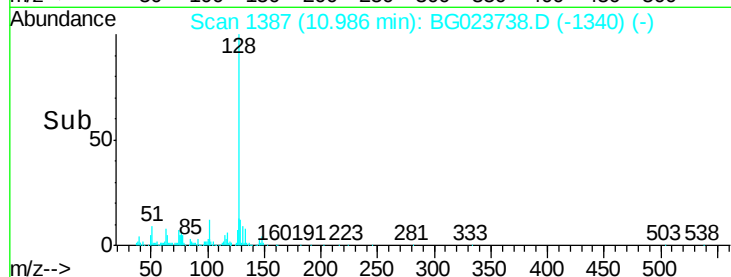
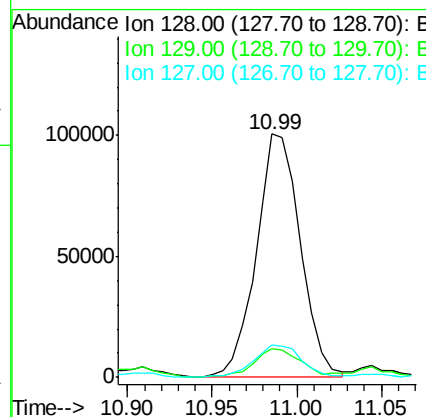
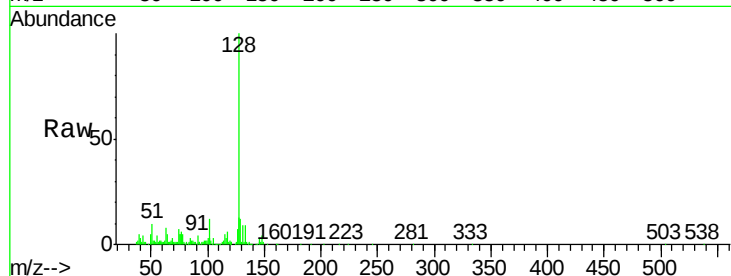




#31
Naphthalene
Concen: 8.24 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.02 min
Lab File: BG023738.D
Acq: 16 Aug 2016 21:49

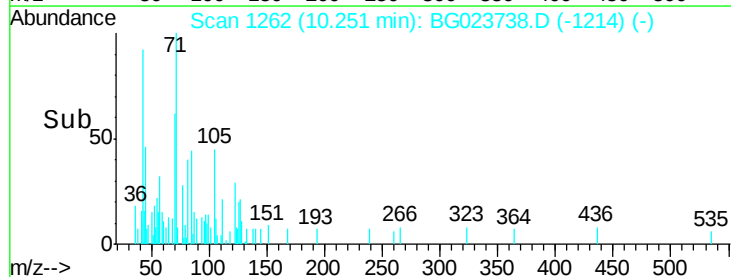
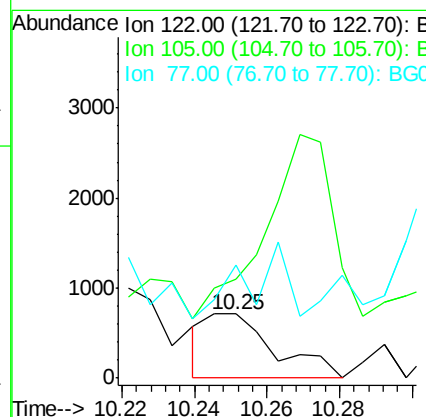
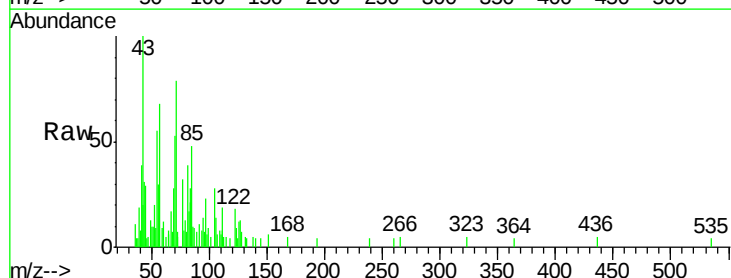
Instrument :
BNA_G
ClientSampleId :
IW-1

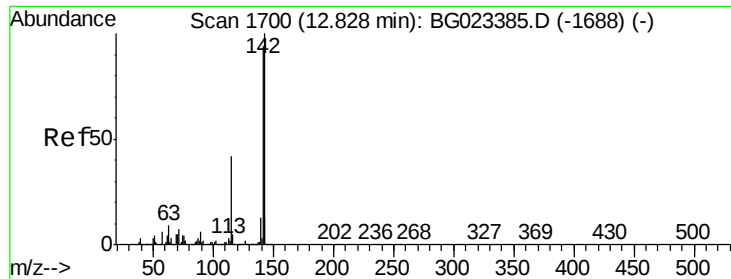
Tgt Ion:128 Resp: 182277
Ion Ratio Lower Upper
128 100
129 11.5 9.4 14.0
127 13.4 11.3 16.9



#32
Benzoic acid
Concen: 6.57 ng
RT: 10.25 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BG023738.D
Acq: 16 Aug 2016 21:49

Tgt Ion:122 Resp: 924
Ion Ratio Lower Upper
122 100
105 153.5 117.2 157.2
77 177.2 109.2 149.2#

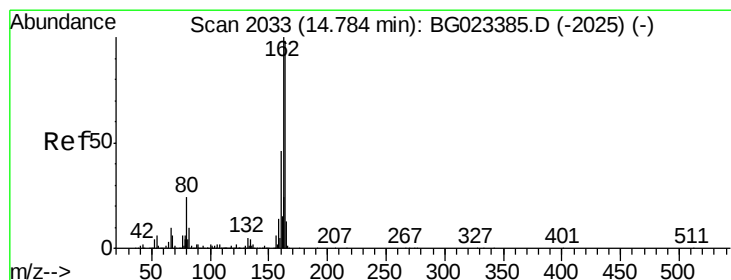
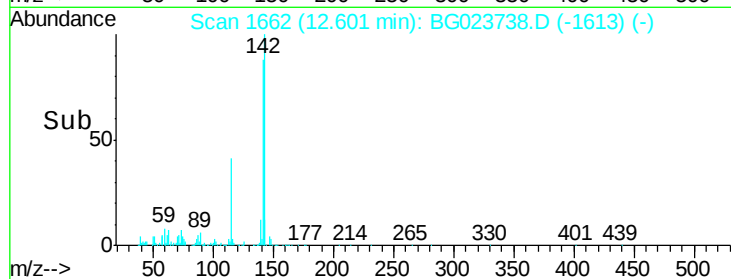
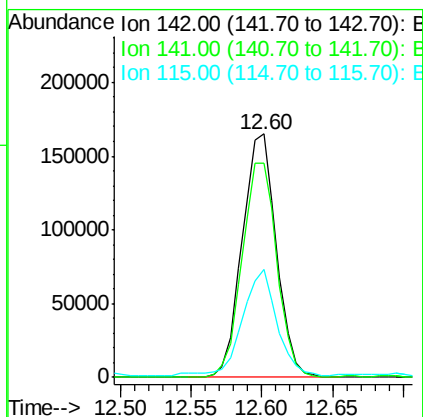
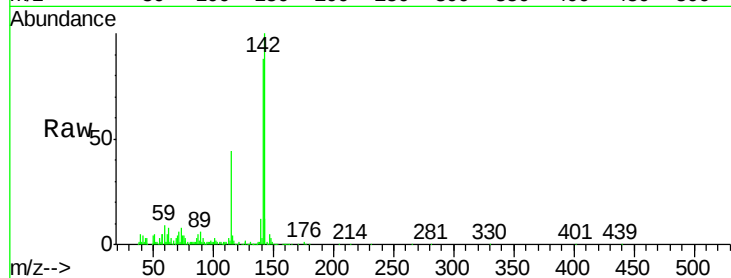




#37
 2-Methylnaphthalene
 Concen: 16.60 ng
 RT: 12.60 min Scan# 1662
 Delta R.T. -0.01 min
 Lab File: BG023738.D
 Acq: 16 Aug 2016 21:49

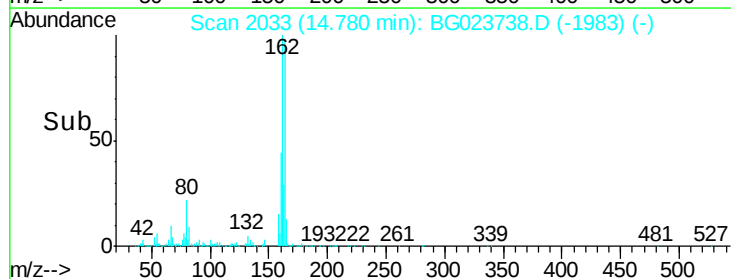
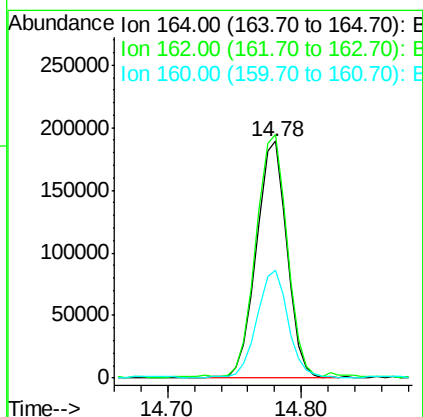
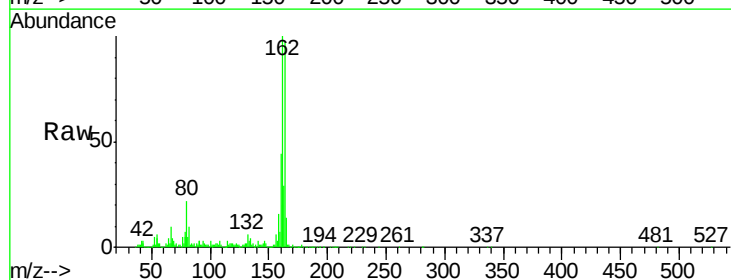
Instrument :
 BNA_G
 ClientSampleId :
 IW-1

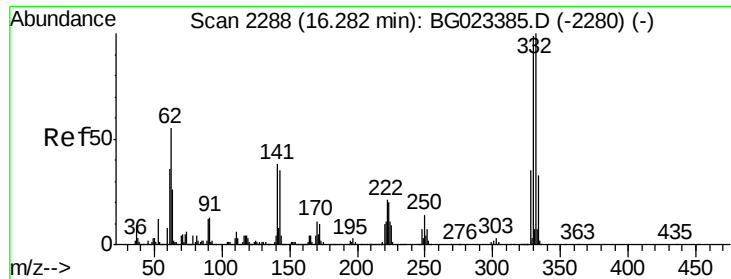
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.2	105.2
115	44.2	41.7	62.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.78 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: BG023738.D
 Acq: 16 Aug 2016 21:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	87.7	131.5
160	45.4	37.2	55.8

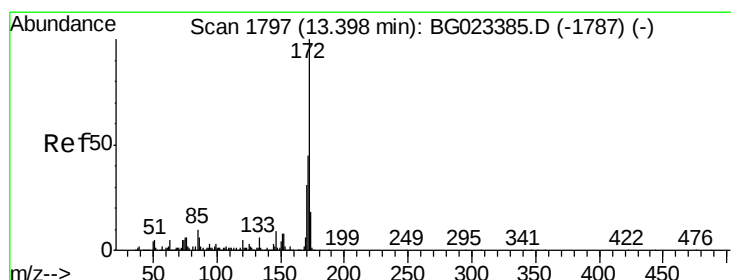
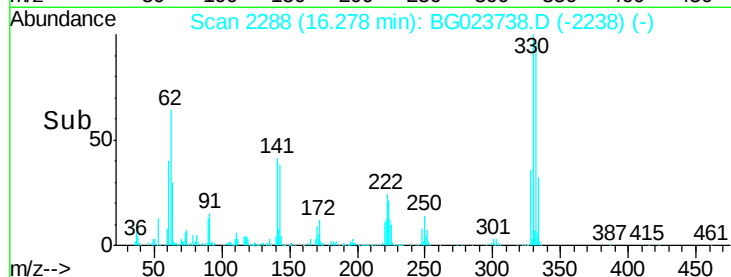
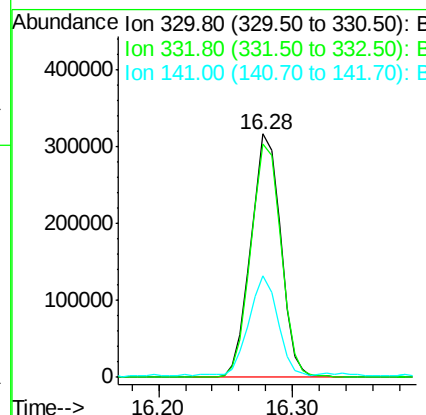
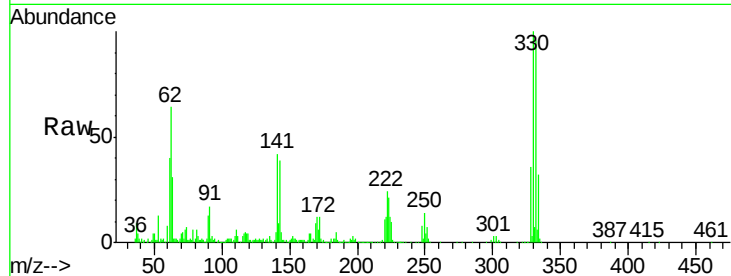




#41
 2,4,6-Tribromophenol
 Concen: 111.89 ng
 RT: 16.28 min Scan# 2288
 Delta R.T. -0.00 min
 Lab File: BG023738.D
 Acq: 16 Aug 2016 21:49

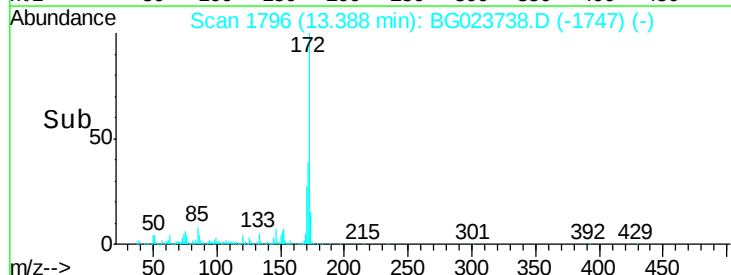
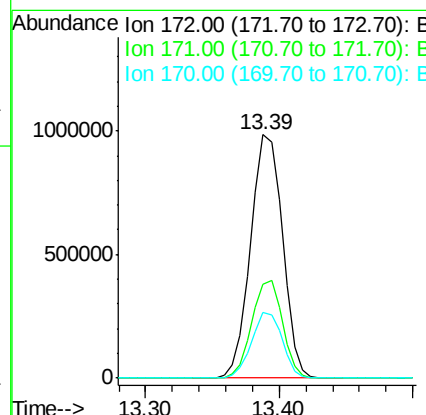
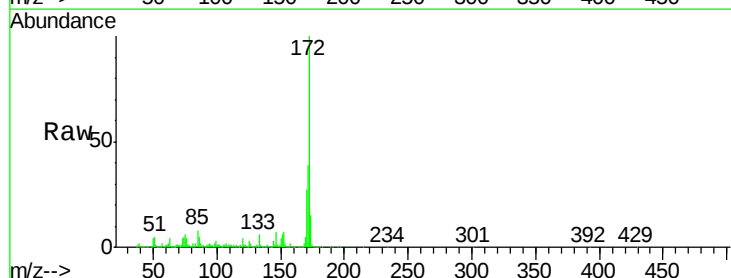
Instrument :
 BNA_G
 ClientSampleId :
 IW-1

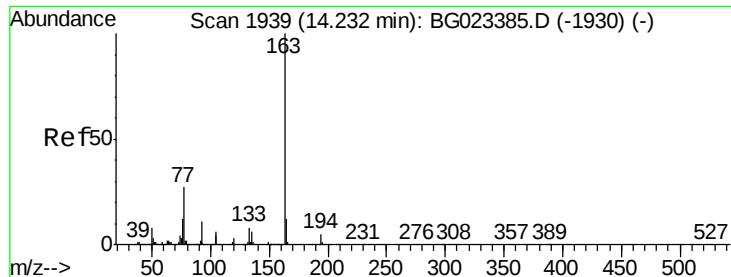
Tgt Ion:330 Resp: 487480
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.4 116.2
 141 39.5 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 91.96 ng
 RT: 13.39 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: BG023738.D
 Acq: 16 Aug 2016 21:49

Tgt Ion:172 Resp: 1623882
 Ion Ratio Lower Upper
 172 100
 171 38.7 31.6 47.4
 170 26.8 21.3 31.9





#49

Dimethylphthalate

Concen: 4.92 ng

RT: 14.22 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG023738.D

Acq: 16 Aug 2016 21:49

Instrument :

BNA_G

ClientSampled :

IW-1

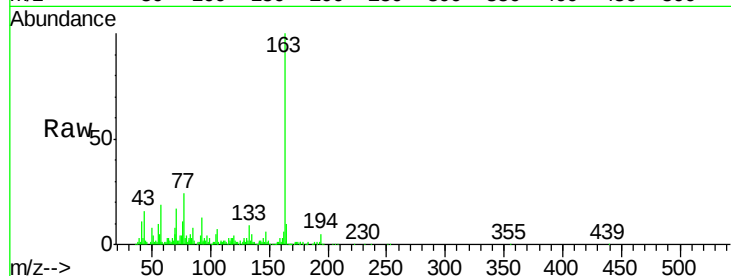
Tgt Ion:163 Resp: 112489

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

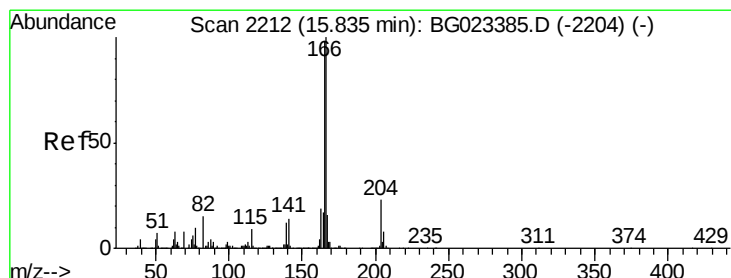
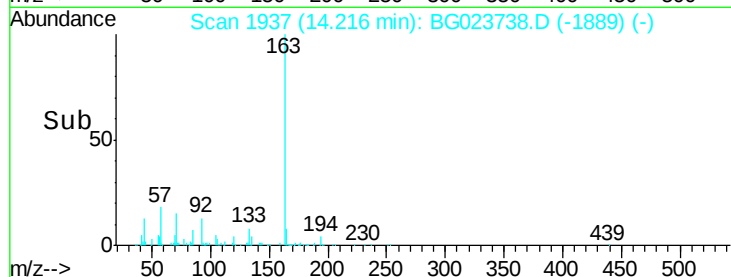
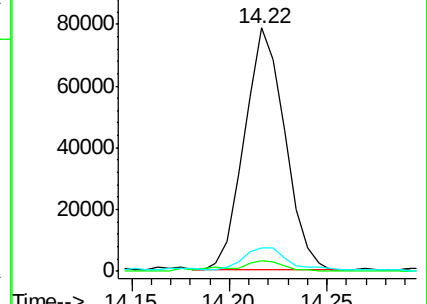
164 9.8 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

Fluorene

Concen: 2.17 ng

RT: 15.83 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BG023738.D

Acq: 16 Aug 2016 21:49

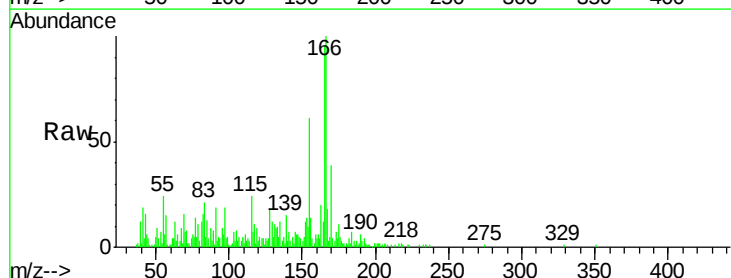
Tgt Ion:166 Resp: 48568

Ion Ratio Lower Upper

166 100

165 94.6 81.0 121.6

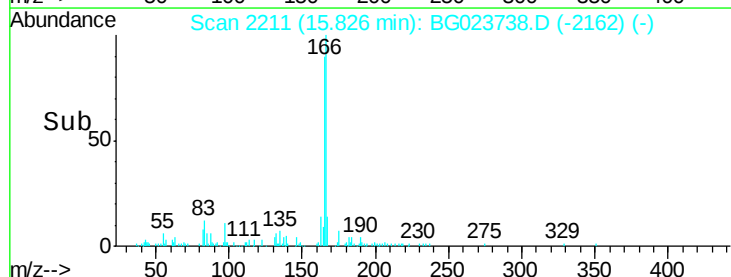
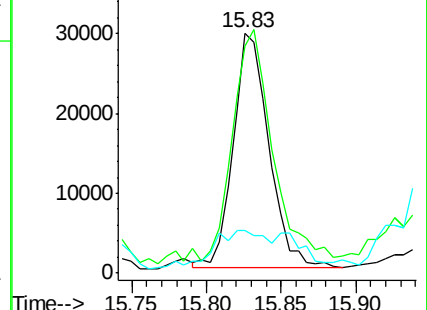
167 17.8 12.0 18.0

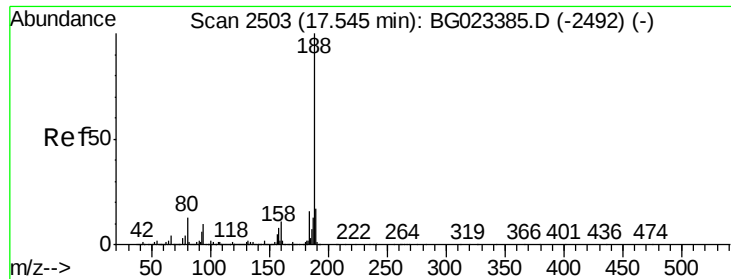


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

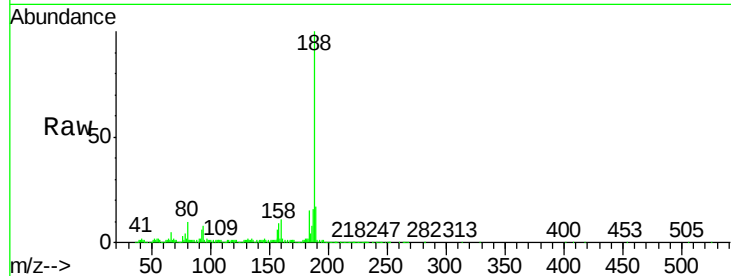




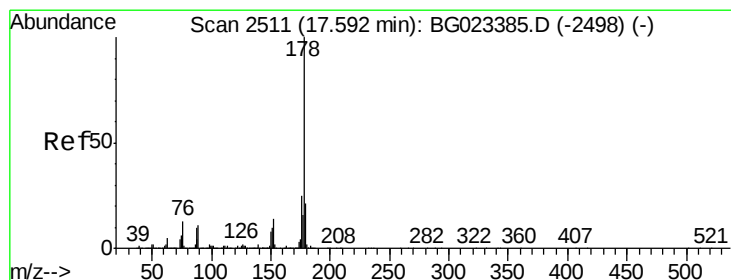
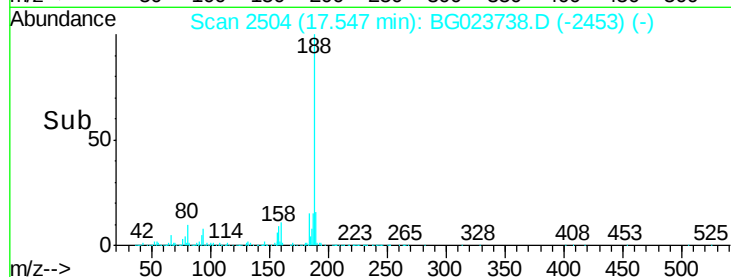
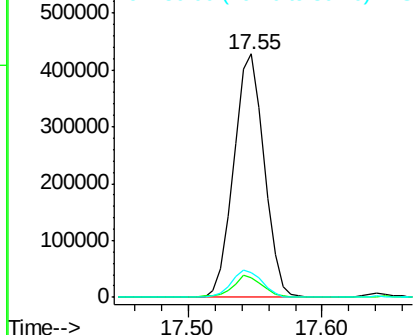
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. 0.00 min
Lab File: BG023738.D
Acq: 16 Aug 2016 21:49

Instrument :
BNA_G
ClientSampled :
IW-1

Tgt Ion:188 Resp: 672924
Ion Ratio Lower Upper
188 100
94 8.1 5.2 7.8#
80 10.1 7.2 10.8

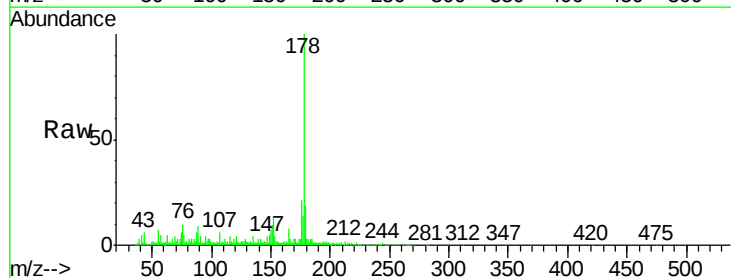


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

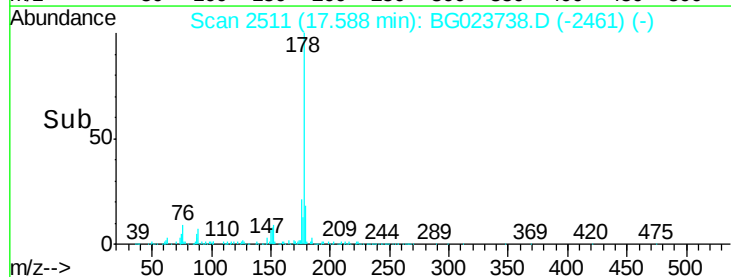
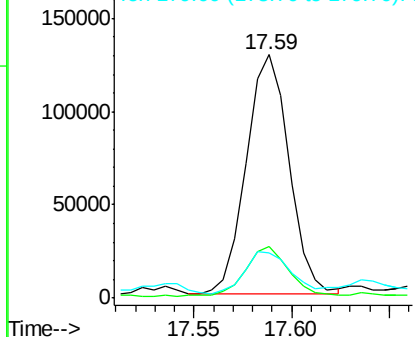


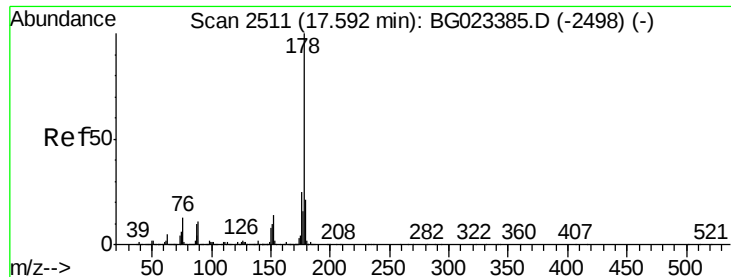
#70
Phenanthrene
Concen: 5.71 ng
RT: 17.59 min Scan# 2511
Delta R.T. -0.00 min
Lab File: BG023738.D
Acq: 16 Aug 2016 21:49

Tgt Ion:178 Resp: 195110
Ion Ratio Lower Upper
178 100
176 21.4 16.8 25.2
179 18.8 14.3 21.5



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

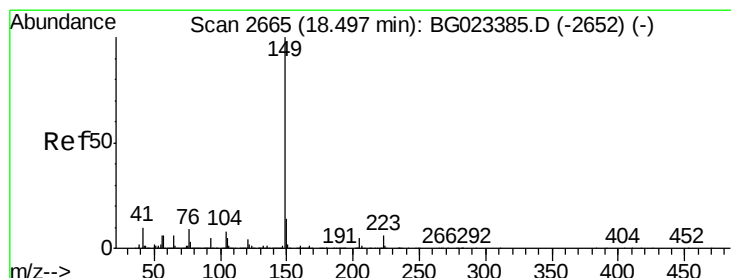
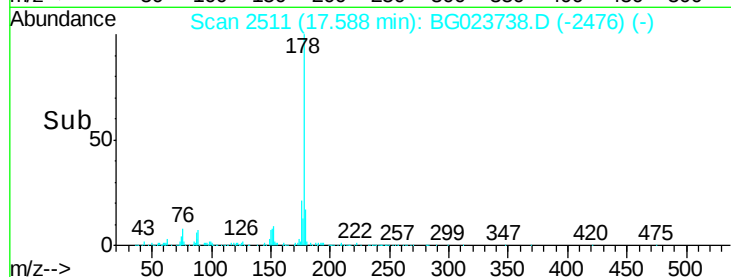
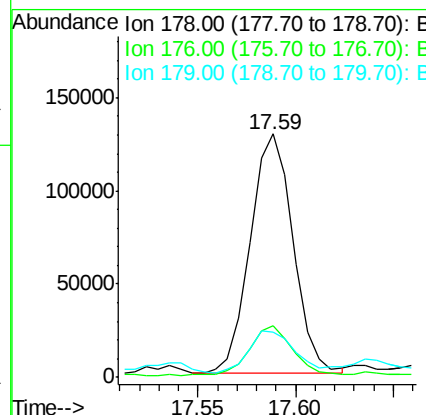
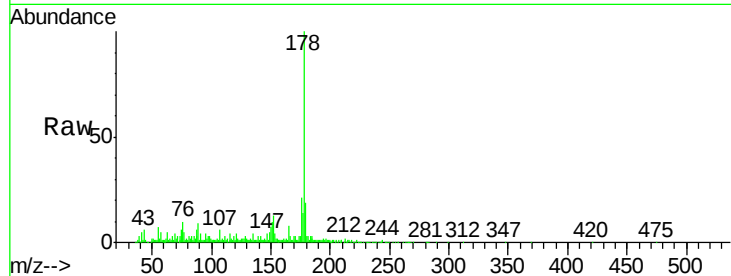




#71
 Anthracene
 Concen: 5.68 ng
 RT: 17.59 min Scan# 2511
 Delta R.T. -0.09 min
 Lab File: BG023738.D
 Acq: 16 Aug 2016 21:49

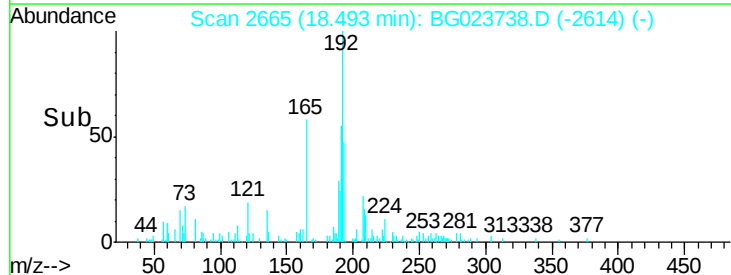
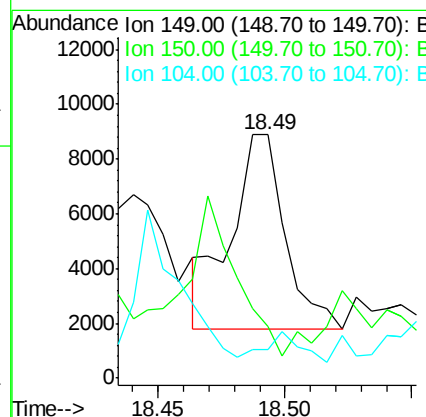
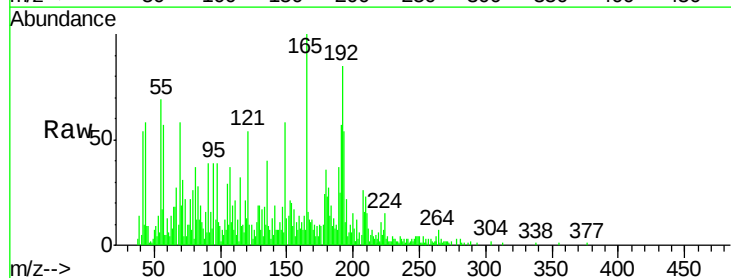
Instrument :
 BNA_G
 ClientSampleId :
 IW-1

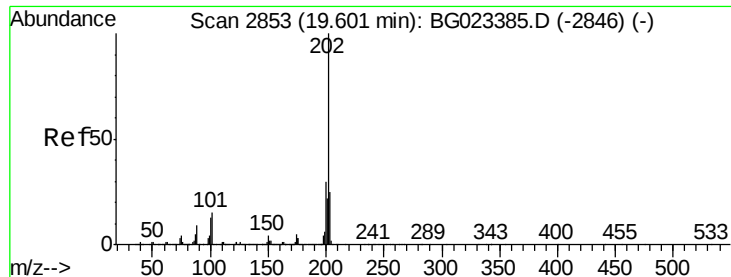
Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.4	17.3	25.9
179	18.8	14.0	21.0



#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 18.49 min Scan# 2665
 Delta R.T. -0.00 min
 Lab File: BG023738.D
 Acq: 16 Aug 2016 21:49

Tgt Ion	Ratio	Lower	Upper
149	100		
150	21.4	9.1	13.7#
104	11.7	6.9	10.3#





#74

Fluoranthene

Concen: Below Cal

RT: 19.60 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG023738.D

Acq: 16 Aug 2016 21:49

Instrument :

BNA_G

ClientSampleId :

IW-1

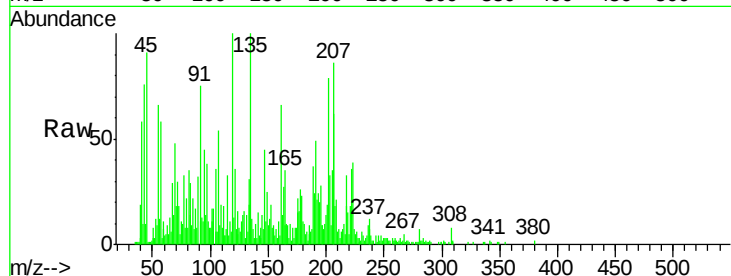
Tgt Ion:202 Resp: 21326

Ion Ratio Lower Upper

202 100

101 21.3 0.0 27.4

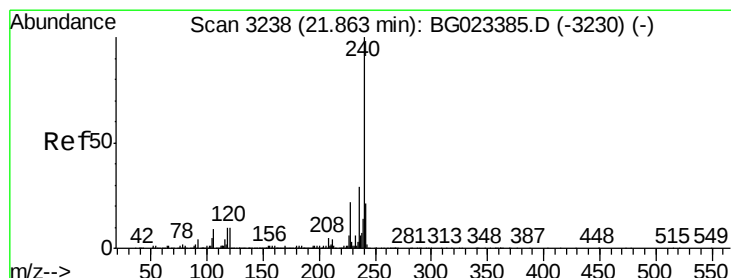
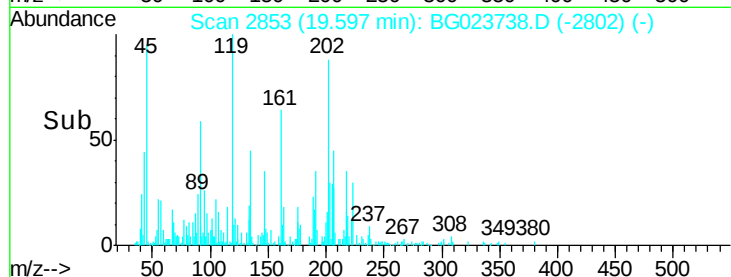
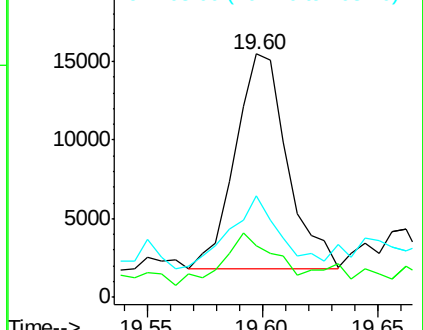
203 41.8 1.7 41.7#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.86 min Scan# 3239

Delta R.T. 0.00 min

Lab File: BG023738.D

Acq: 16 Aug 2016 21:49

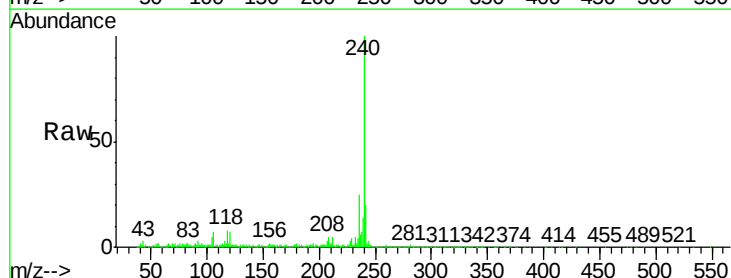
Tgt Ion:240 Resp: 699619

Ion Ratio Lower Upper

240 100

120 7.2 4.1 6.1#

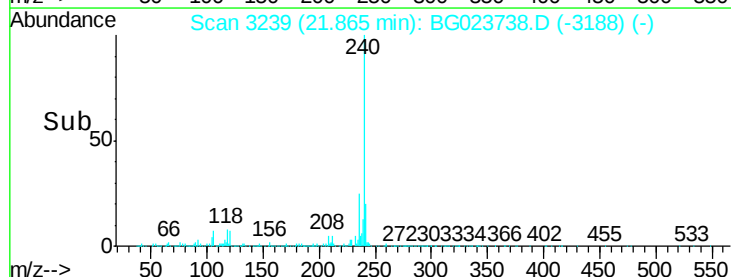
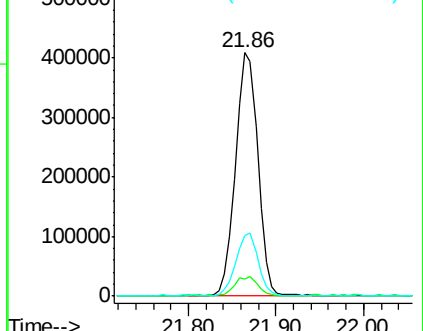
236 25.0 21.1 31.7

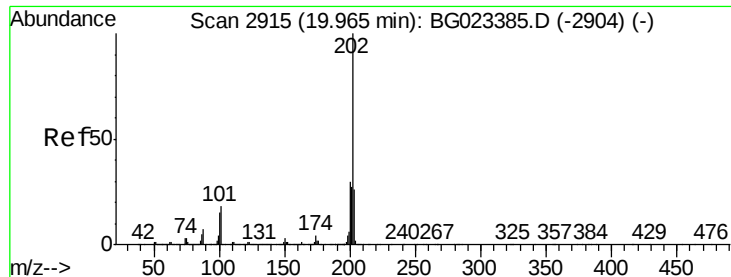


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: Below Cal

RT: 19.97 min Scan# 2916

Delta R.T. 0.00 min

Lab File: BG023738.D

Acq: 16 Aug 2016 21:49

Instrument :

BNA_G

ClientSampleId :

IW-1

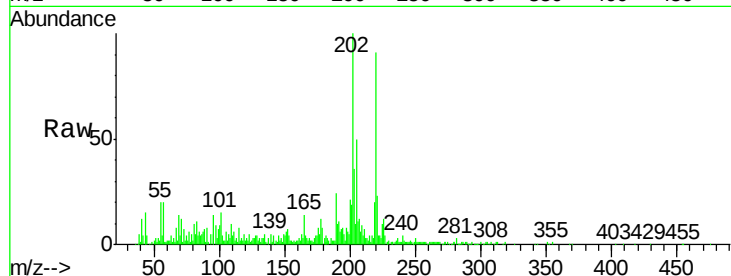
Tgt Ion:202 Resp: 110836

Ion Ratio Lower Upper

202 100

200 21.1 21.2 31.8#

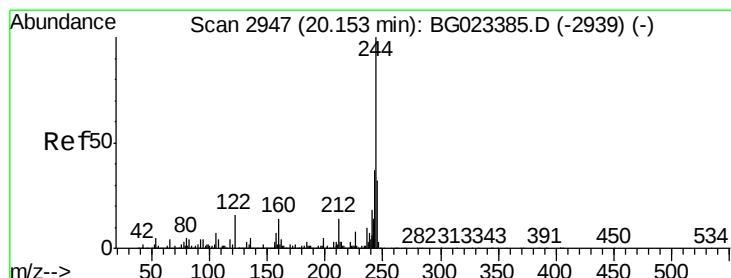
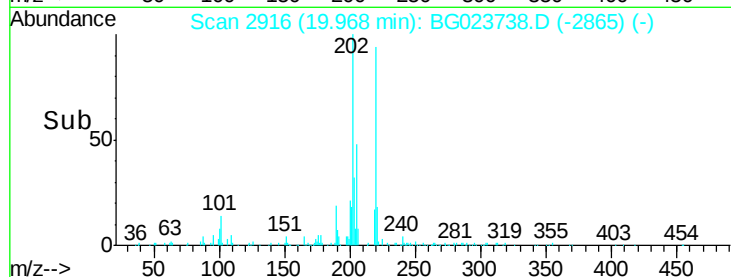
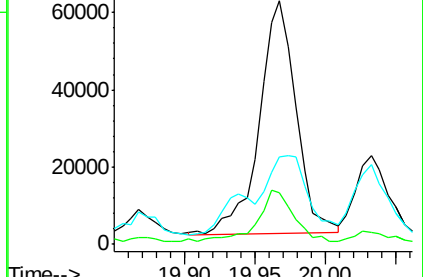
203 35.7 16.8 25.2#



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: 99.72 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BG023738.D

Acq: 16 Aug 2016 21:49

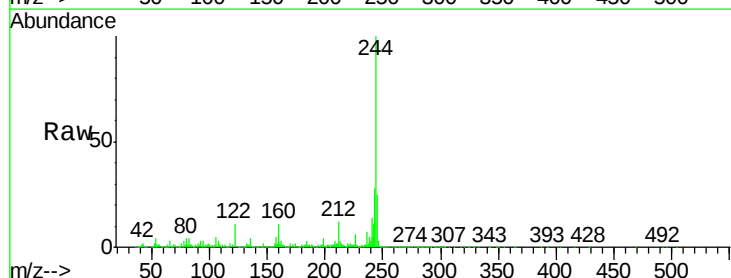
Tgt Ion:244 Resp: 2155192

Ion Ratio Lower Upper

244 100

212 11.7 10.8 16.2

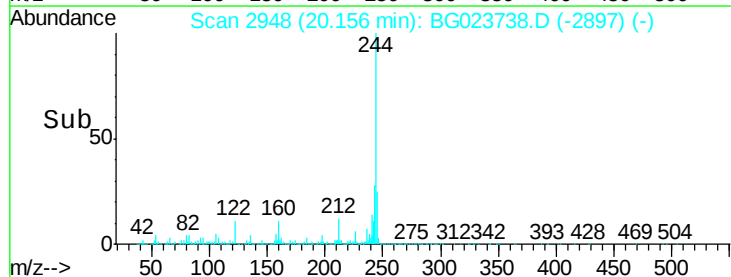
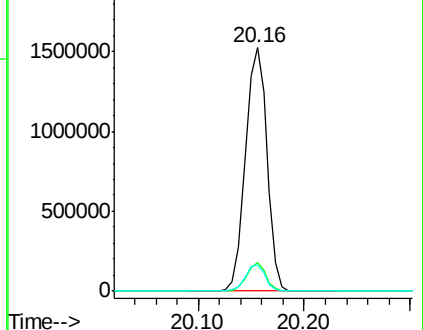
122 10.6 8.0 12.0

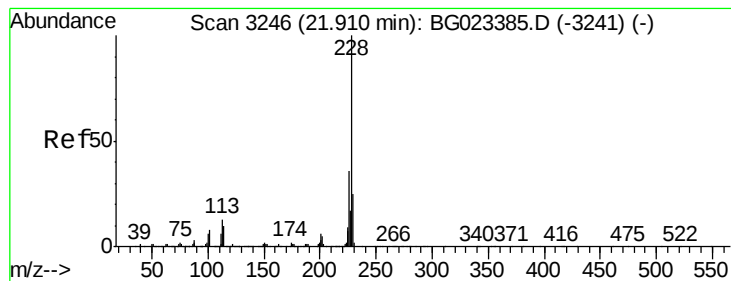


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.10 ng

RT: 21.91 min Scan# 3247

Delta R.T. 0.00 min

Lab File: BG023738.D

Acq: 16 Aug 2016 21:49

Instrument :

BNA_G

ClientSampleId :

IW-1

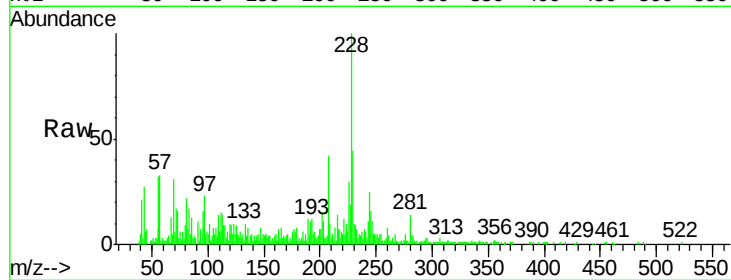
Tgt Ion:228 Resp: 77257

Ion Ratio Lower Upper

228 100

226 30.3 26.7 40.1

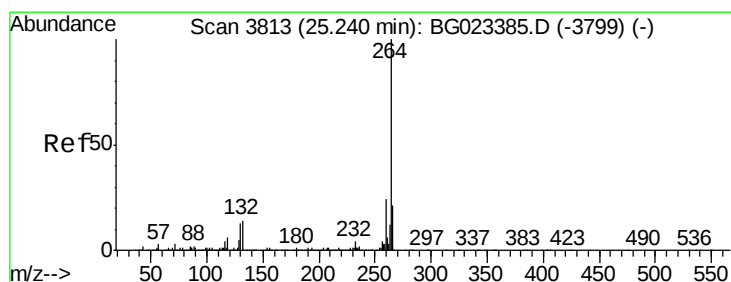
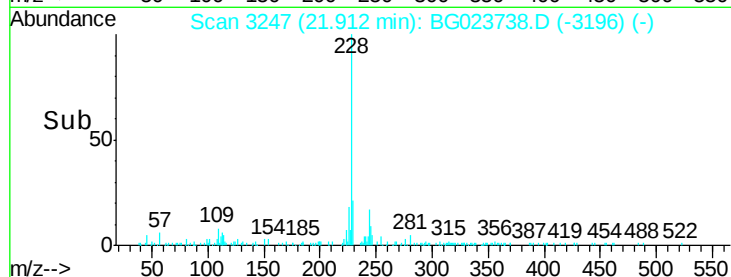
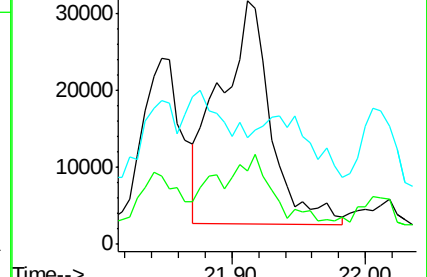
229 43.8 17.4 26.2#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.26 min Scan# 3817

Delta R.T. 0.02 min

Lab File: BG023738.D

Acq: 16 Aug 2016 21:49

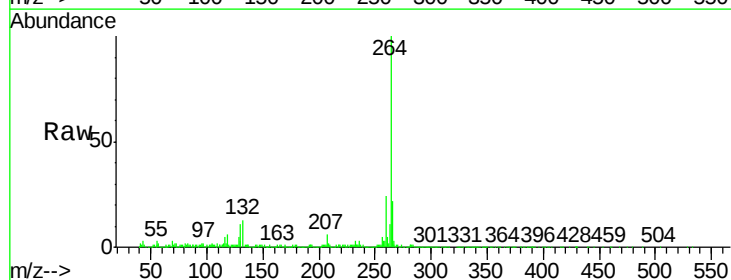
Tgt Ion:264 Resp: 706452

Ion Ratio Lower Upper

264 100

260 23.8 18.4 27.6

265 21.7 18.9 28.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

