

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091815\
 Data File : BG018736.D
 Acq On : 17 Sep 2015 13:38
 Operator : TP
 Sample : G3651-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CPS063031

Quant Time: Sep 18 03:43:48 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 18 03:41:39 2015
 Response via : Initial Calibration

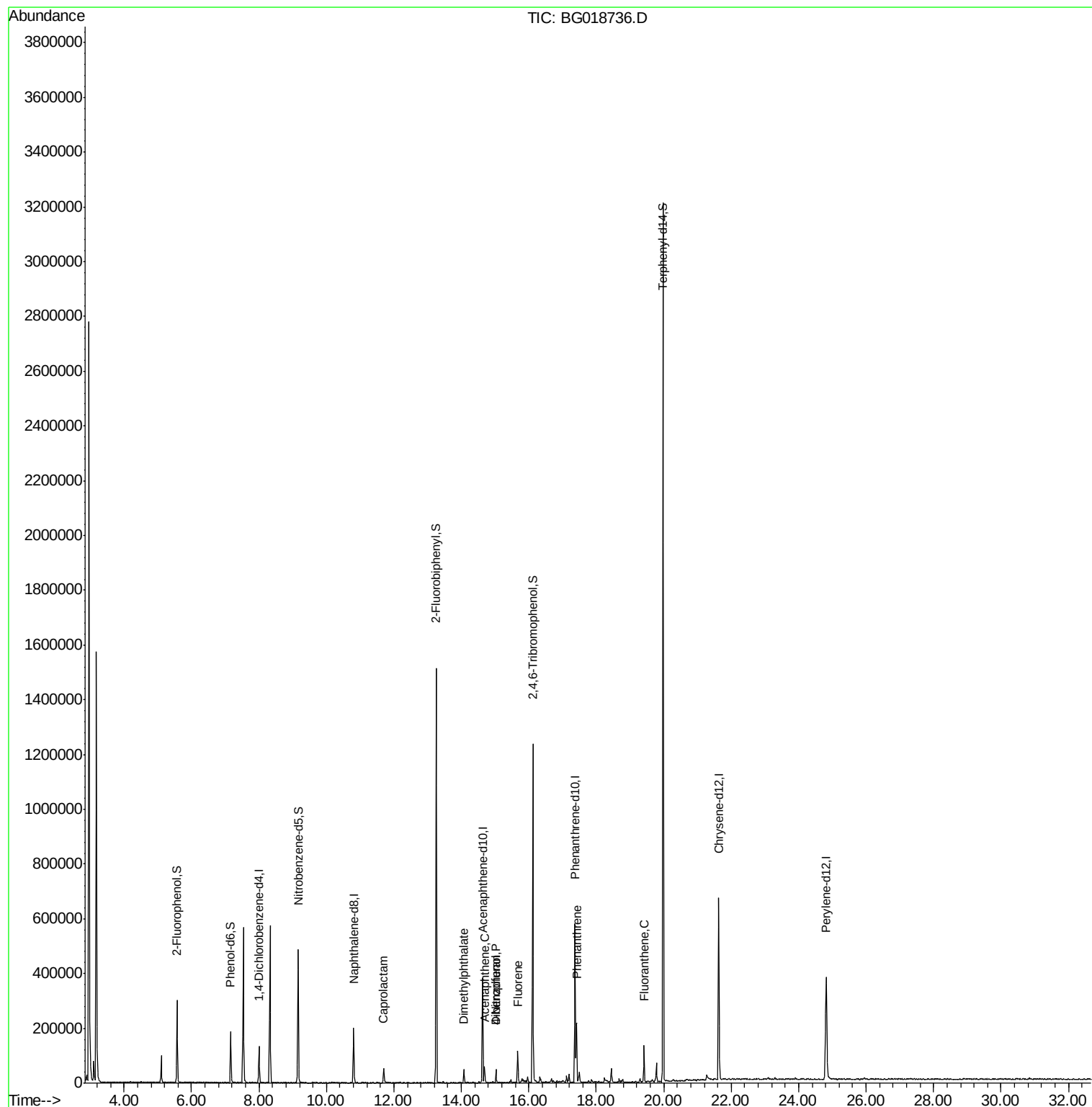
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	41418	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	180042	20.00	ng	0.00
38) Acenaphthene-d10	14.63	164	135150	20.00	ng	0.00
63) Phenanthrene-d10	17.37	188	383302	20.00	ng	0.00
75) Chrysene-d12	21.63	240	411733	20.00	ng	0.00
86) Perylene-d12	24.82	264	402963	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	144913	60.44	ng	0.00
7) Phenol-d6	7.16	99	131188	38.16	ng	0.00
23) Nitrobenzene-d5	9.16	82	302992	94.17	ng	0.00
41) 2,4,6-Tribromophenol	16.12	330	245931	135.14	ng	0.00
44) 2-Fluorobiphenyl	13.25	172	860216	88.36	ng	0.00
78) Terphenyl-d14	19.98	244	1407640	89.78	ng	0.00
Target Compounds						Qvalue
35) Caprolactam	11.69	113	13739	10.92	ng	92
49) Dimethylphthalate	14.07	163	36326	3.25	ng	# 98
51) Acenaphthene	14.69	154	21793	2.56	ng	93
54) Dibenzofuran	15.02	168	33231	2.51	ng	98
55) 4-Nitrophenol	15.02	139	10766	4.80	ng	# 13
57) Fluorene	15.67	166	56172	4.93	ng	94
70) Phenanthrene	17.42	178	139953	6.94	ng	97
74) Fluoranthene	19.42	202	80816	3.24	ng	98

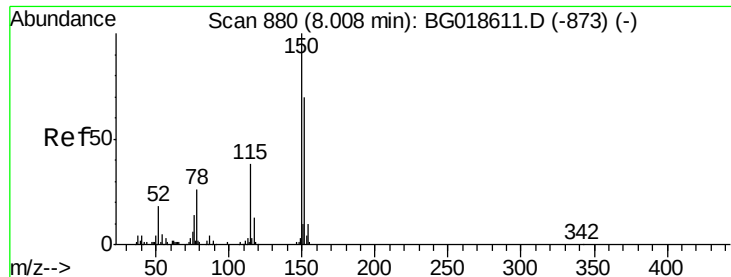
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.00 min Scan# 879

Delta R.T. 0.00 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

Instrument :

BNA_G

ClientSampleId :

CPS063031

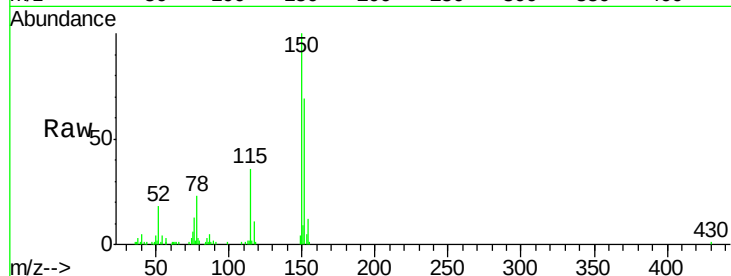
Tot Ion:152 Resp: 41418

Ion Ratio Lower Upper

152 100

150 145.9 115.0 172.4

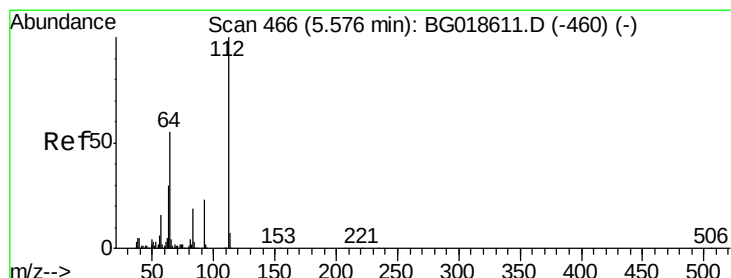
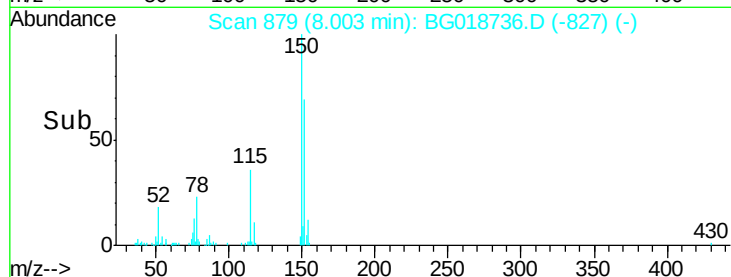
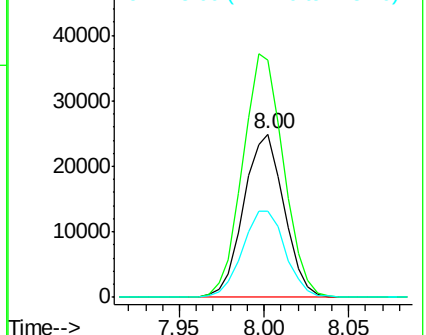
115 52.8 43.9 65.9



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: 60.44 ng

RT: 5.57 min Scan# 465

Delta R.T. -0.00 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

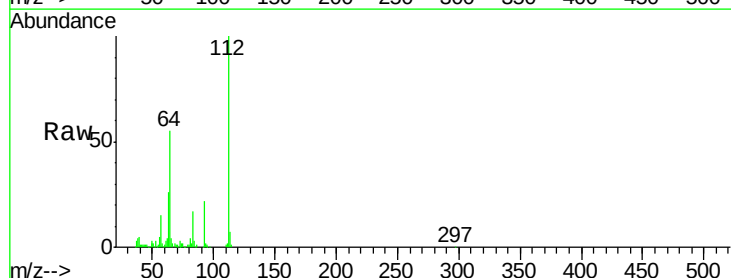
Tgt Ion:112 Resp: 144913

Ion Ratio Lower Upper

112 100

64 54.8 43.7 65.5

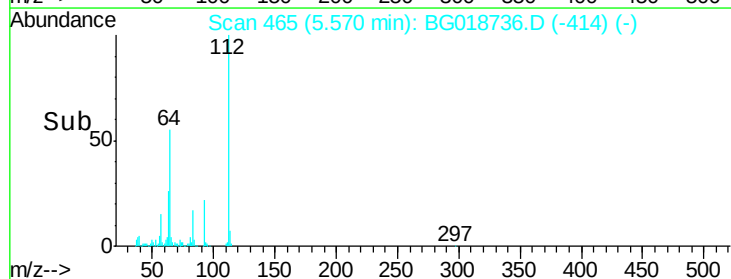
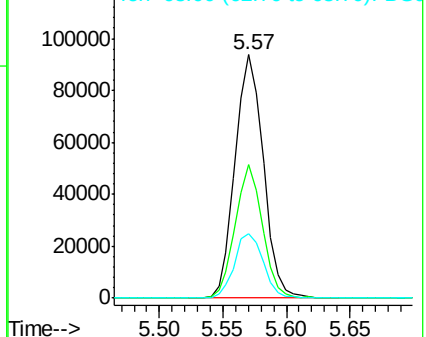
63 26.5 24.0 36.0

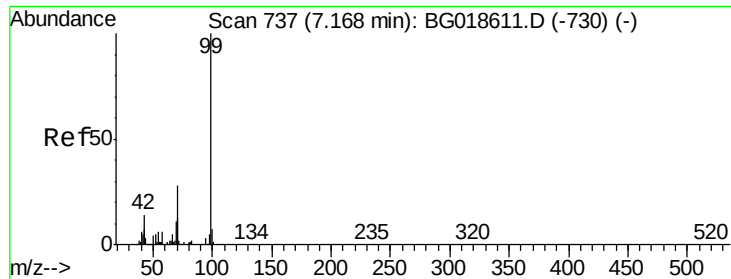


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 38.16 ng

RT: 7.16 min Scan# 736

Delta R.T. -0.00 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

Instrument :

BNA_G

ClientSampleId :

CPS063031

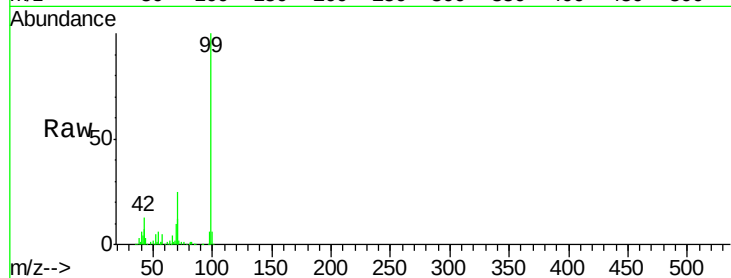
Tot Ion: 99 Resp: 131188

Ion Ratio Lower Upper

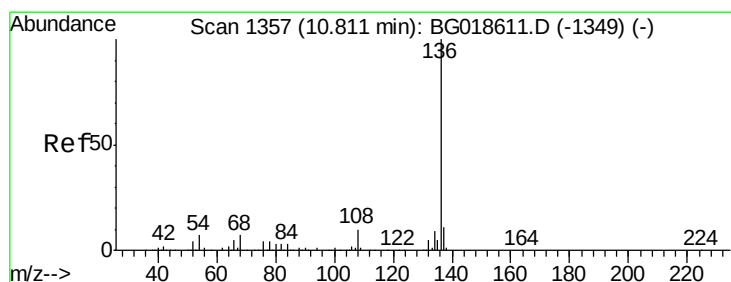
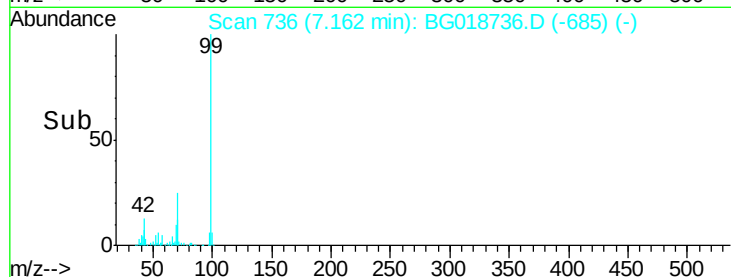
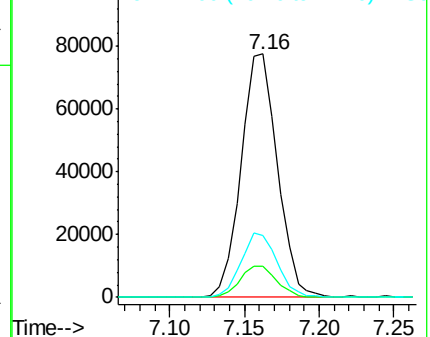
99 100

42 12.6 11.5 17.3

71 25.3 22.6 34.0



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: 10.81 min Scan# 1356

Delta R.T. -0.00 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

Tgt Ion: 136 Resp: 180042

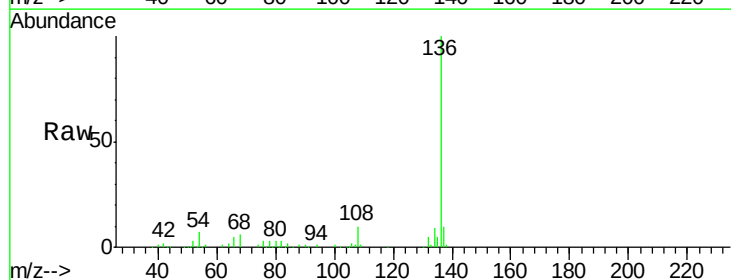
Ion Ratio Lower Upper

136 100

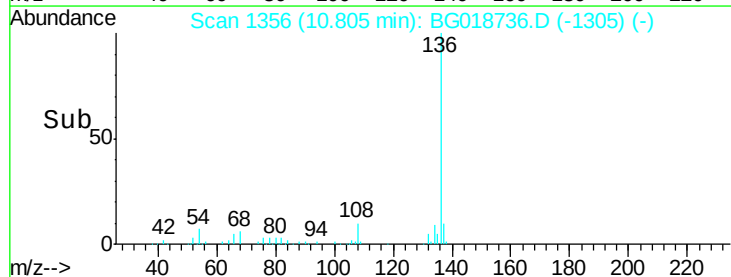
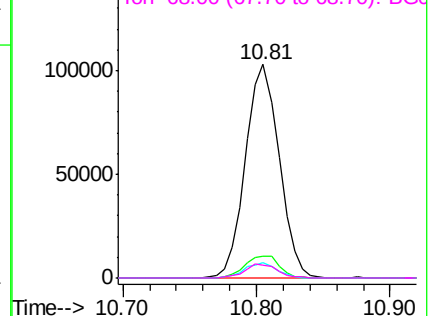
137 10.5 8.6 12.8

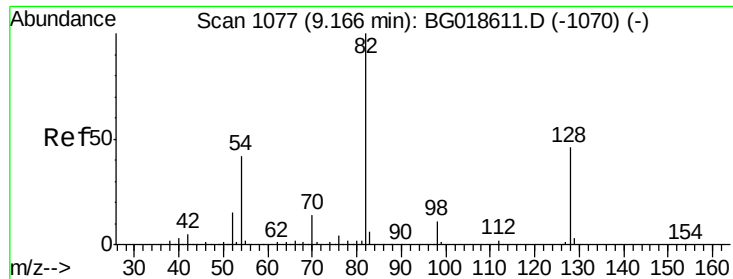
54 7.1 5.4 8.2

68 5.9 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

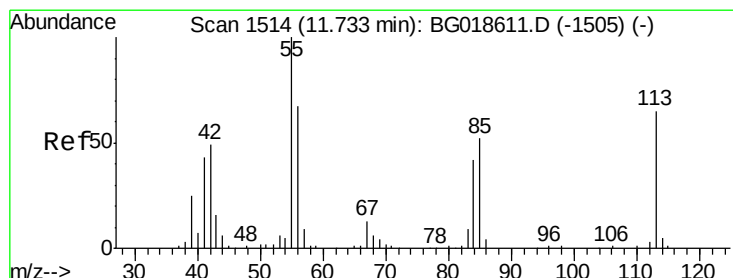
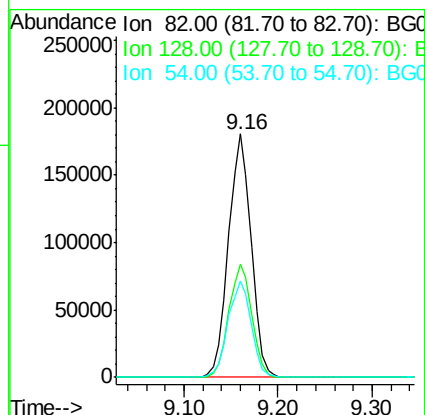
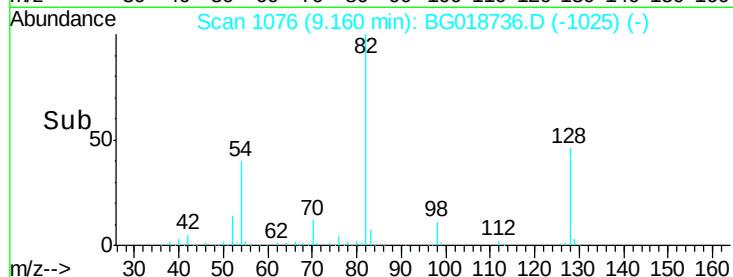
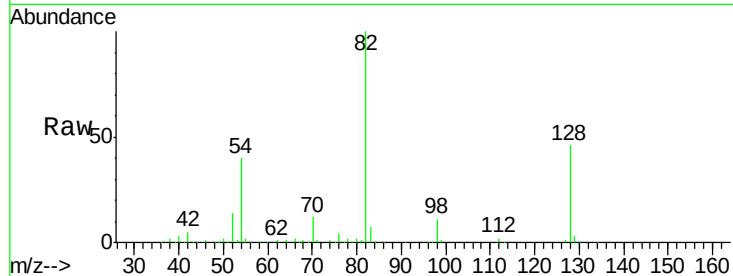




#23
Nitrobenzene-d5
Concen: 94.17 ng
RT: 9.16 min Scan# 1076
Delta R.T. -0.00 min
Lab File: BG018736.D
Acq: 17 Sep 2015 13:38

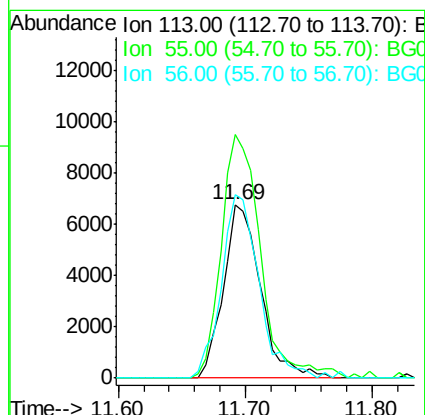
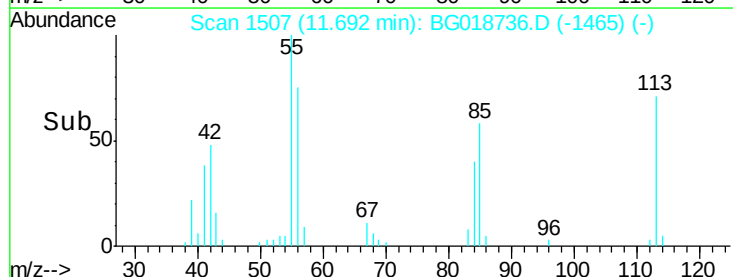
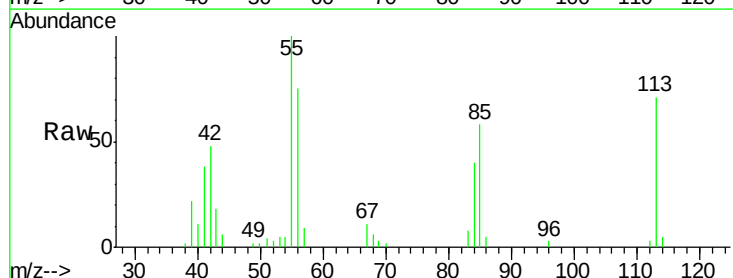
Instrument :
BNA_G
ClientSampleId :
CPS063031

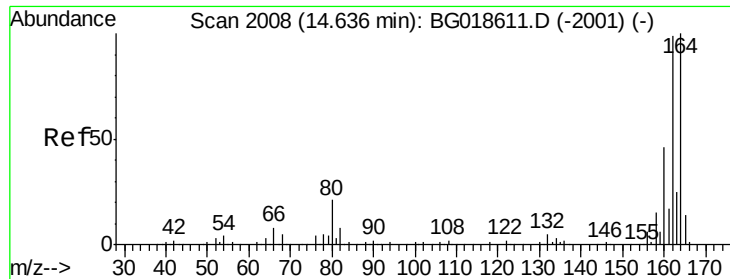
Tot Ion: 82 Resp: 302992
Ion Ratio Lower Upper
82 100
128 46.2 36.7 55.1
54 39.8 33.8 50.8



#35
Caprolactam
Concen: 10.92 ng
RT: 11.69 min Scan# 1507
Delta R.T. -0.05 min
Lab File: BG018736.D
Acq: 17 Sep 2015 13:38

Tgt Ion: 113 Resp: 13739
Ion Ratio Lower Upper
113 100
55 140.2 135.0 175.0
56 105.8 83.4 123.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.63 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

Instrument :

BNA_G

ClientSampleId :

CPS063031

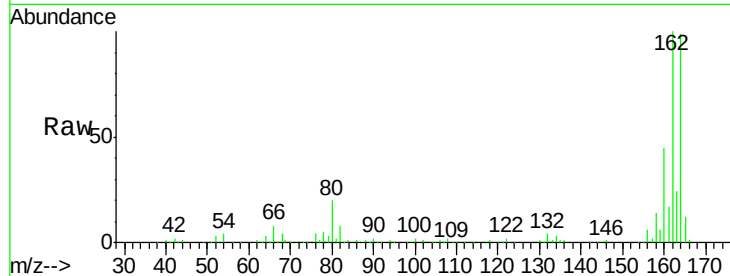
Tot Ion:164 Resp: 135150

Ion Ratio Lower Upper

164 100

162 101.3 78.8 118.2

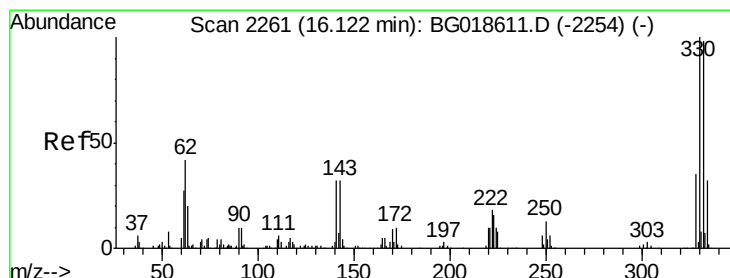
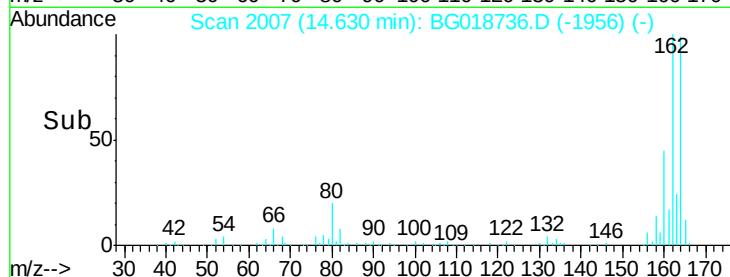
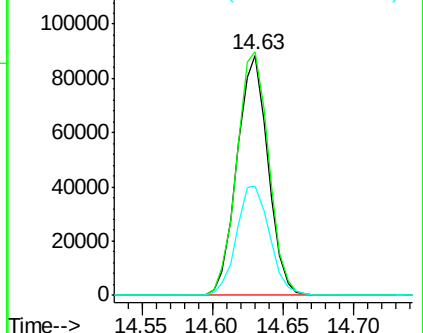
160 45.4 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 135.14 ng

RT: 16.12 min Scan# 2260

Delta R.T. -0.00 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

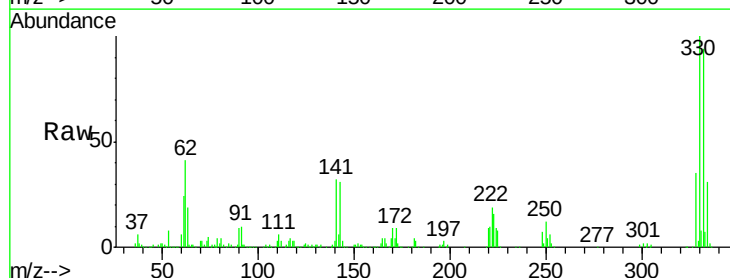
Tgt Ion:330 Resp: 245931

Ion Ratio Lower Upper

330 100

332 95.5 78.1 117.1

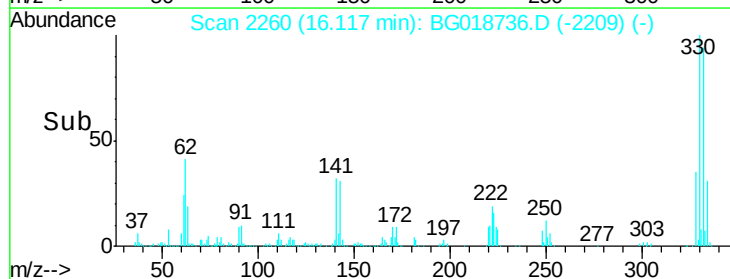
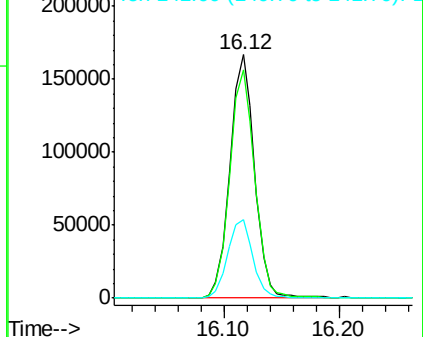
141 32.9 28.2 42.2

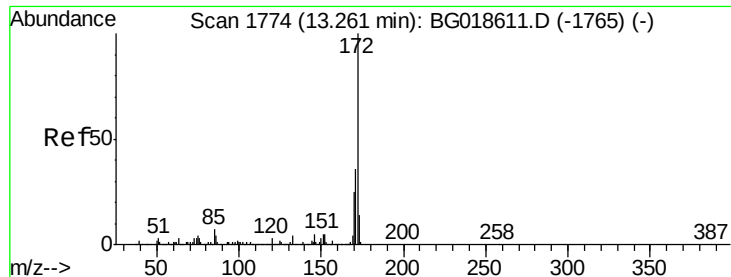


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

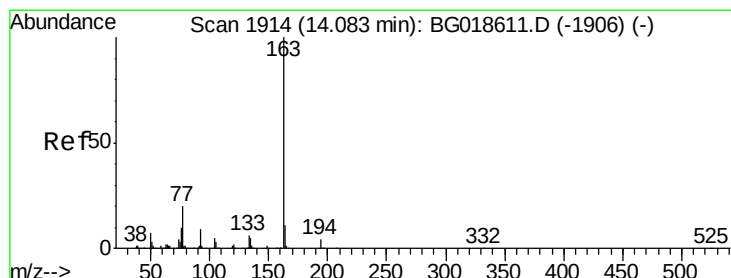
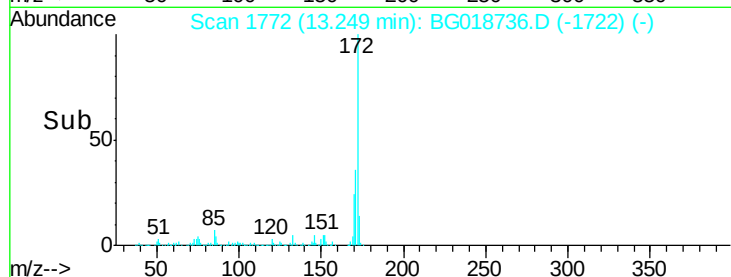
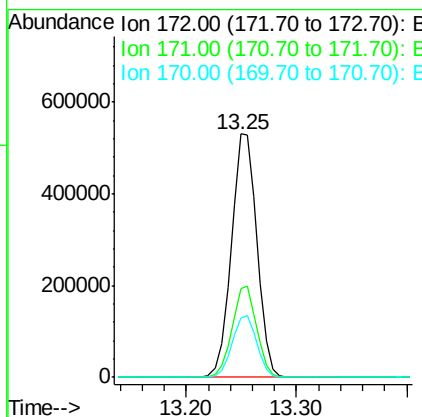
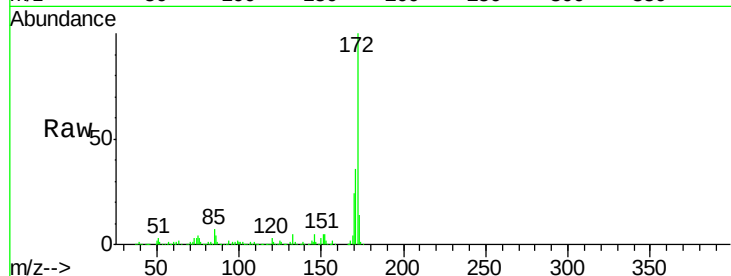




#44
2-Fluorobiphenyl
Concen: 88.36 ng
RT: 13.25 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BG018736.D
Acq: 17 Sep 2015 13:38

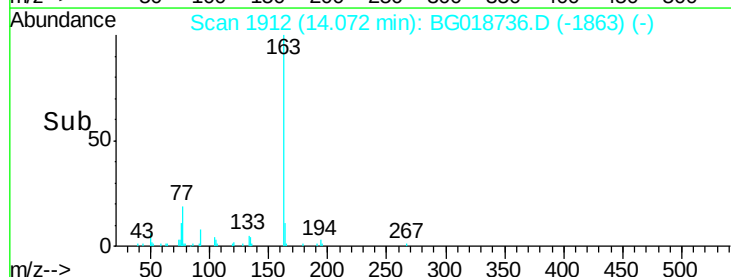
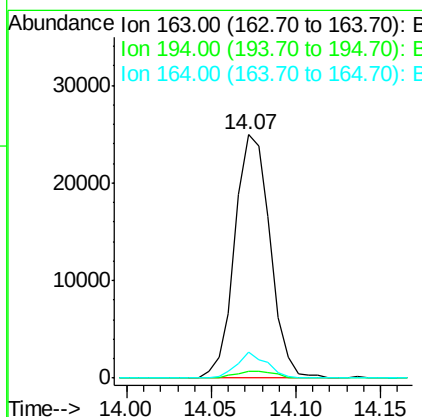
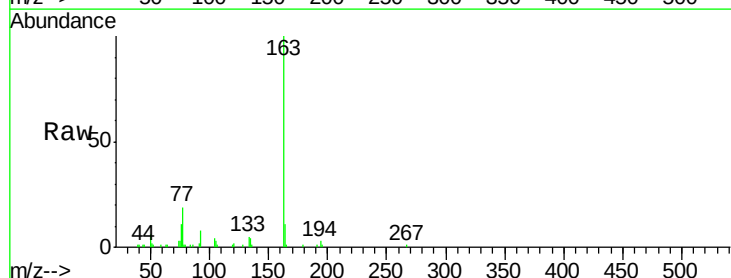
Instrument :
BNA_G
ClientSampleId :
CPS063031

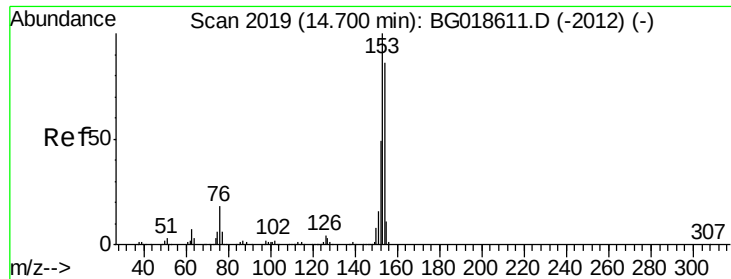
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.4	19.9	29.9



#49
Dimethylphthalate
Concen: 3.25 ng
RT: 14.07 min Scan# 1912
Delta R.T. -0.01 min
Lab File: BG018736.D
Acq: 17 Sep 2015 13:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.7	3.1	4.7#
164	10.7	8.8	13.2





#51

Acenaphthene

Concen: 2.56 ng

RT: 14.69 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

Instrument :

BNA_G

ClientSampleId :

CPS063031

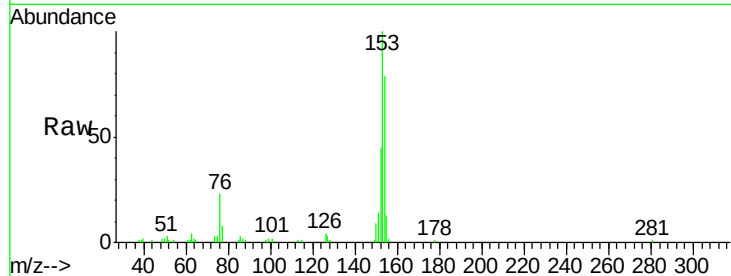
Tot Ion:154 Resp: 21793

Ion Ratio Lower Upper

154 100

153 127.0 92.9 139.3

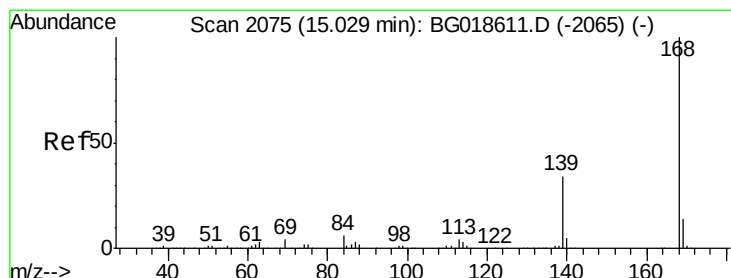
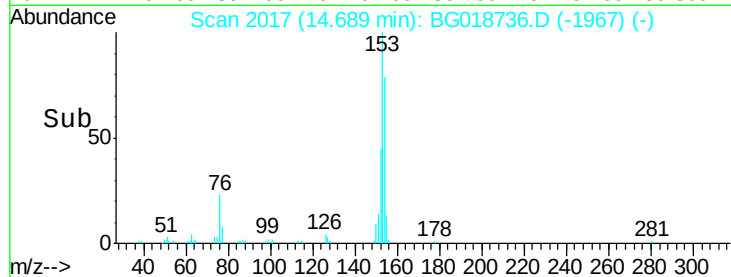
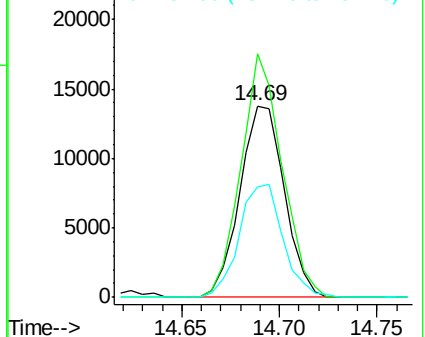
152 57.6 45.8 68.8



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



#54

Dibenzofuran

Concen: 2.51 ng

RT: 15.02 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

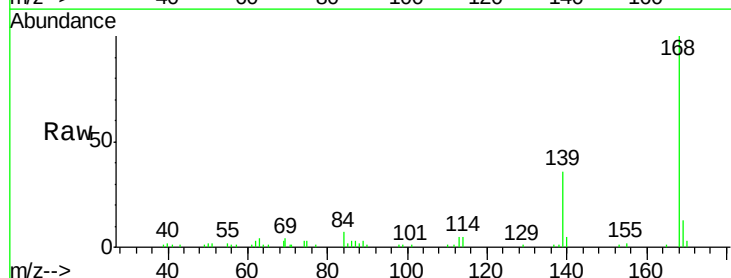
Tgt Ion:168 Resp: 33231

Ion Ratio Lower Upper

168 100

139 35.8 27.4 41.0

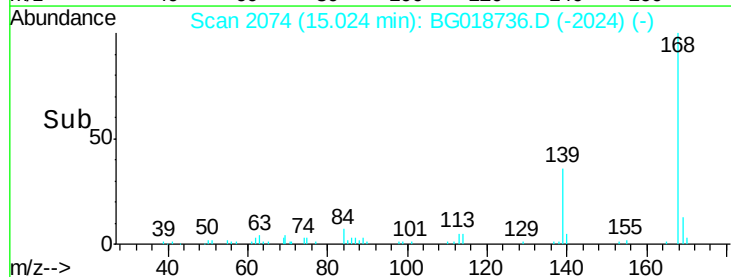
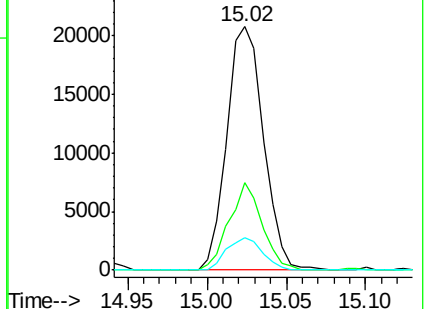
169 13.1 11.0 16.4

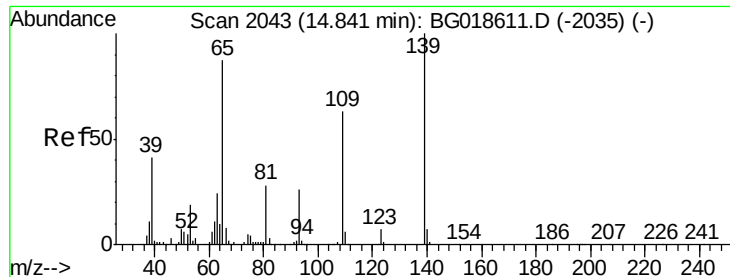


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 4.80 ng

RT: 15.02 min Scan# 2074

Delta R.T. 0.18 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

Instrument :

BNA_G

ClientSampleId :

CPS063031

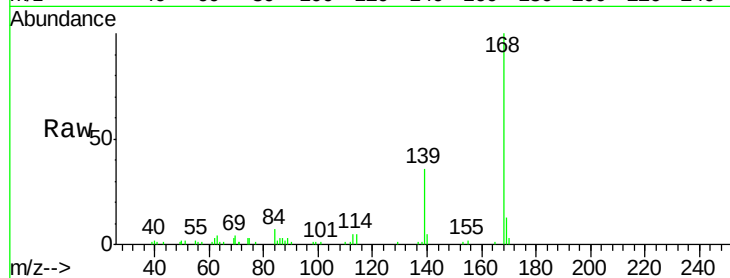
Tot Ion:139 Resp: 10766

Ion Ratio Lower Upper

139 100

109 0.0 43.2 83.2#

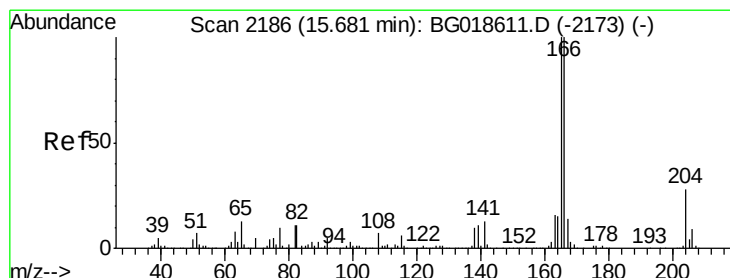
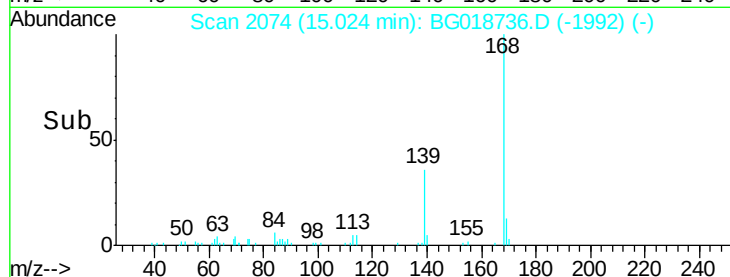
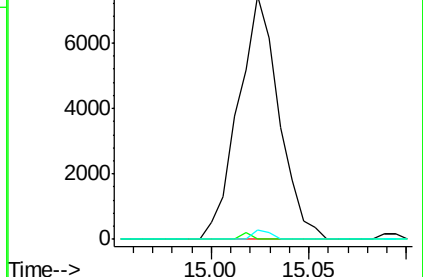
65 4.0 67.8 107.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): B



#57

Fluorene

Concen: 4.93 ng

RT: 15.67 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

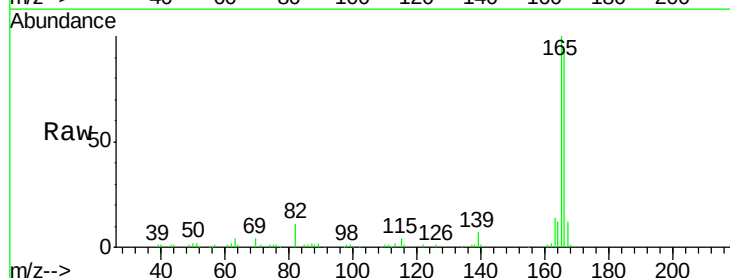
Tgt Ion:166 Resp: 56172

Ion Ratio Lower Upper

166 100

165 106.4 80.0 120.0

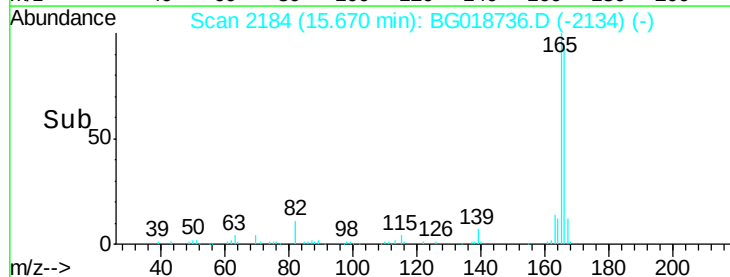
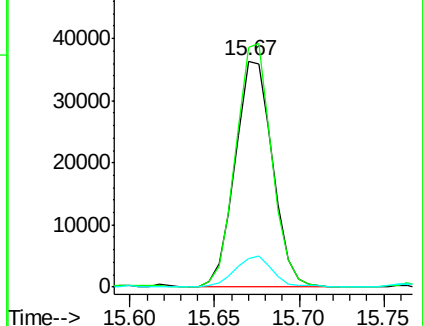
167 12.7 11.1 16.7

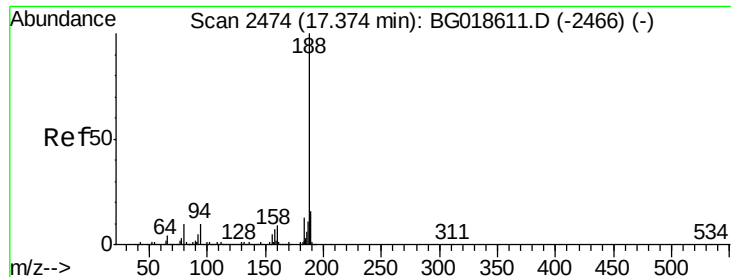


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.37 min Scan# 2473

Delta R.T. -0.01 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

Instrument :

BNA_G

ClientSampleId :

CPS063031

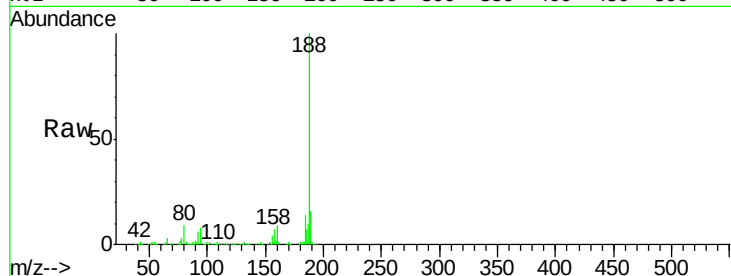
Tot Ion:188 Resp: 383302

Ion Ratio Lower Upper

188 100

94 8.4 7.7 11.5

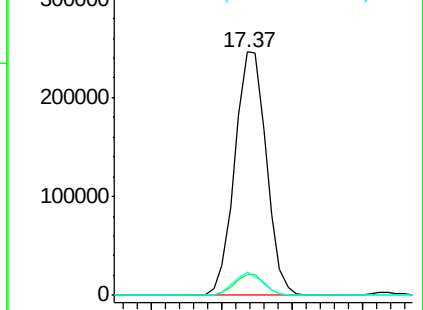
80 9.5 7.8 11.8



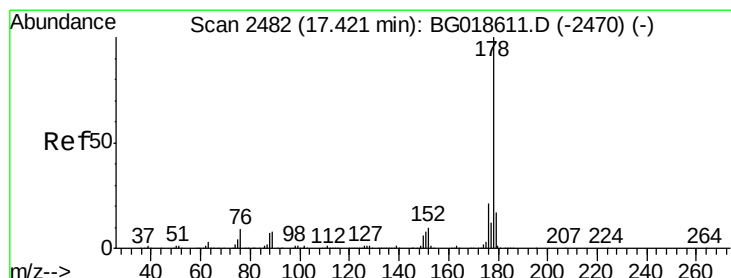
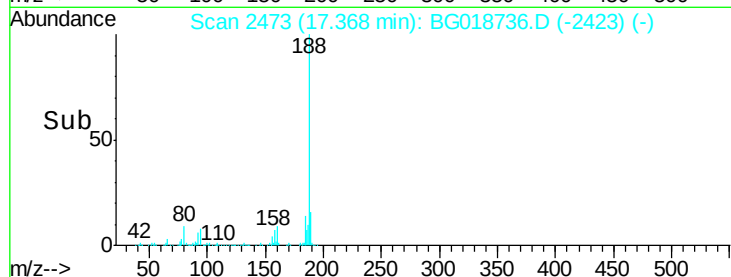
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#70

Phenanthrene

Concen: 6.94 ng

RT: 17.42 min Scan# 2481

Delta R.T. -0.00 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

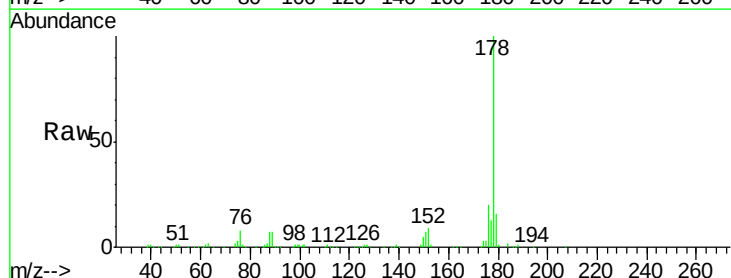
Tgt Ion:178 Resp: 139953

Ion Ratio Lower Upper

178 100

176 20.1 16.7 25.1

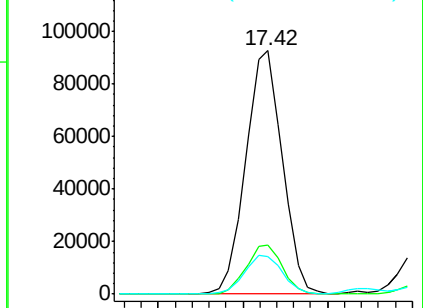
179 15.5 13.9 20.9



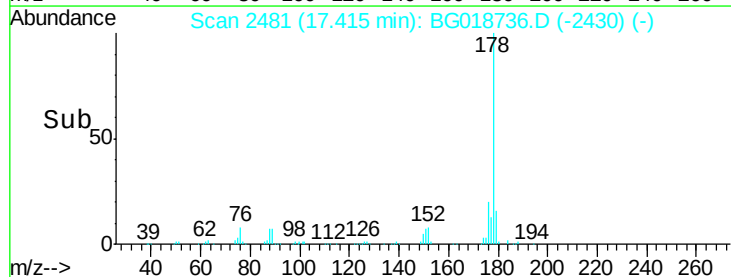
Abundance Ion 178.00 (177.70 to 178.70): E

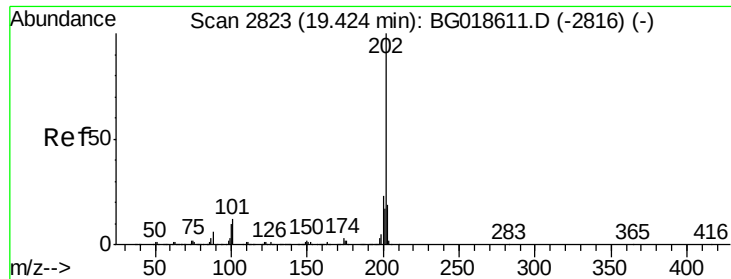
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 3.24 ng

RT: 19.42 min Scan# 2822

Delta R.T. -0.00 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

Instrument :

BNA_G

ClientSampleId :

CPS063031

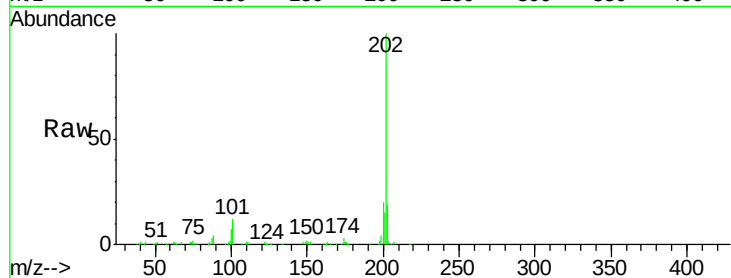
Tot Ion:202 Resp: 80816

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.4

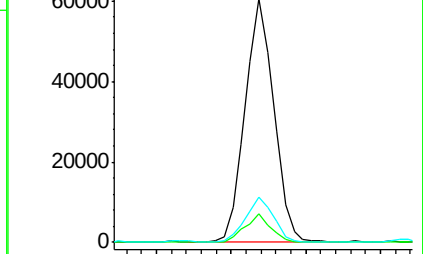
203 18.6 0.0 39.5



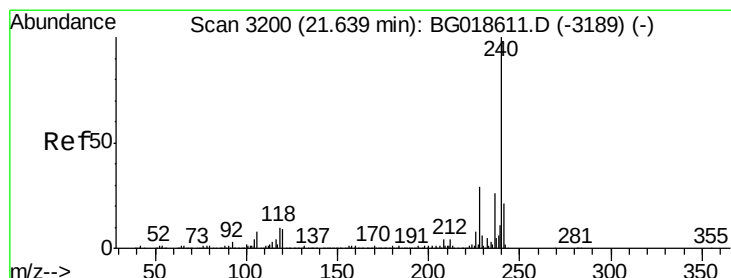
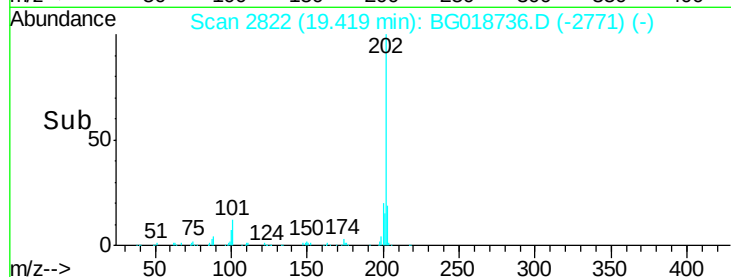
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3198

Delta R.T. -0.01 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

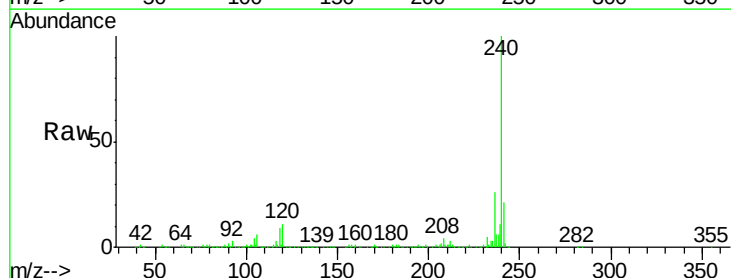
Tgt Ion:240 Resp: 411733

Ion Ratio Lower Upper

240 100

120 11.0 7.4 11.0

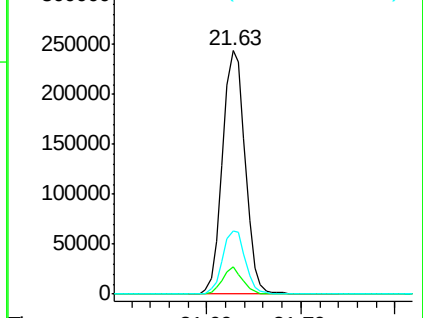
236 26.2 20.7 31.1



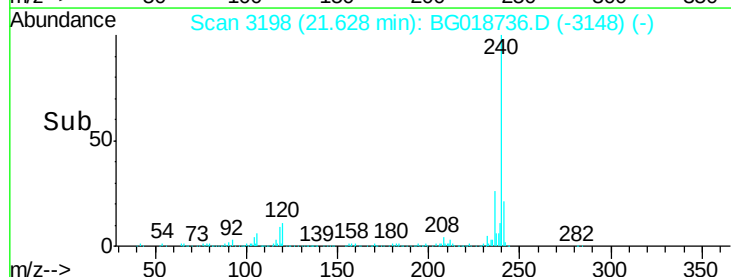
Abundance Ion 240.00 (239.70 to 240.70): E

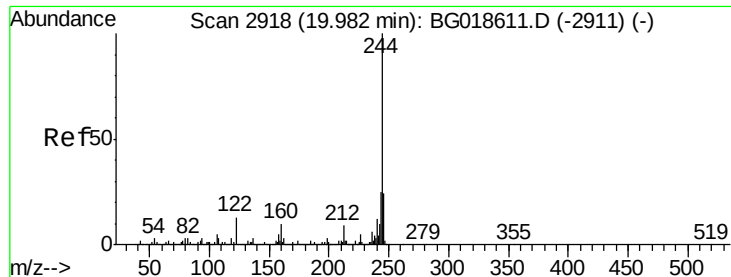
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Terphenyl-d14

Concen: 89.78 ng

RT: 19.98 min Scan# 2918

Delta R.T. 0.00 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

Instrument :

BNA_G

ClientSampleId :

CPS063031

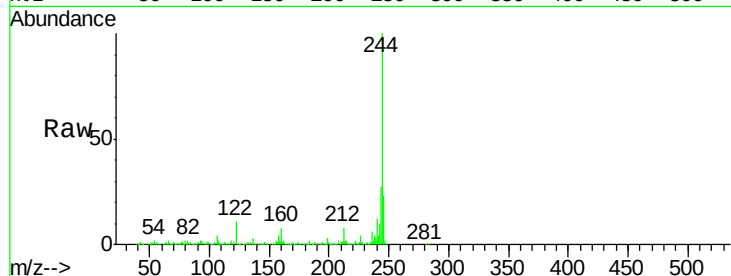
Tot Ion:244 Resp: 1407640

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

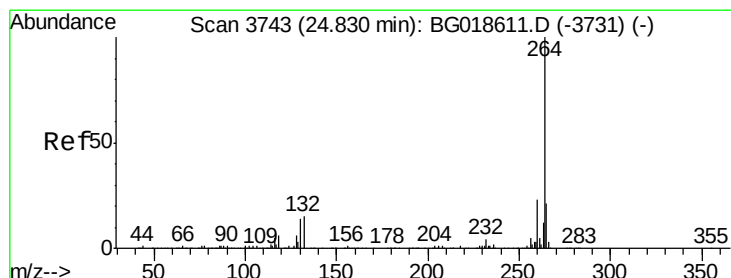
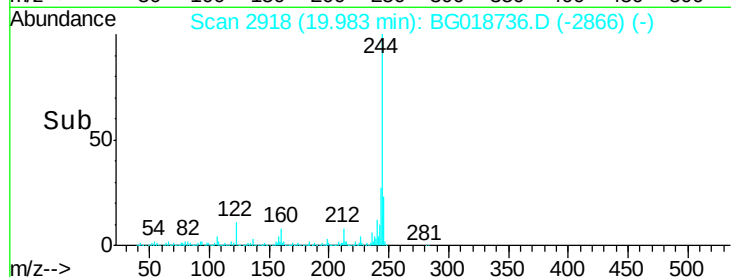
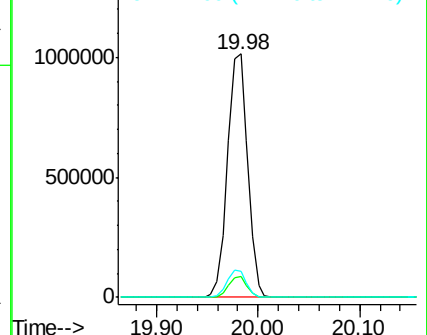
122 10.9 10.2 15.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.82 min Scan# 3741

Delta R.T. -0.00 min

Lab File: BG018736.D

Acq: 17 Sep 2015 13:38

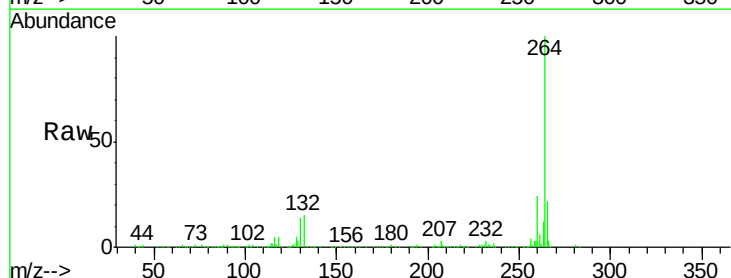
Tgt Ion:264 Resp: 402963

Ion Ratio Lower Upper

264 100

260 24.3 18.5 27.7

265 21.6 17.2 25.8



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

