

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080915\
 Data File : BG018349.D
 Acq On : 10 Aug 2015 3:59
 Operator : UM/TP
 Sample : G3136-14
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02C6

Quant Time: Aug 10 04:52:38 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 10 02:20:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	134508	20.00	ng/ul	0.01
18) Naphthalene-d8	10.89	136	678998	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.70	164	421937	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.44	188	829110	20.00	ng/ul	0.02
78) Chrysene-d12	21.72	240	712344	20.00	ng/ul	0.03
86) Perylene-d12	24.99	264	707857	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	5148	1.71	ng/uL	0.00
5) Phenol-d5	7.23	99	131745	10.90	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.40	67	86881	11.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	110510	11.87	ng/ul	0.01
13) 4-Methylphenol-d8	8.77	113	82476	8.10	ng/ul	0.01
19) Nitrobenzene-d5	9.24	128	54101	10.40	ng/ul	0.01
22) 2-Nitrophenol-d4	9.96	143	56155	10.68	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.50	165	111233	9.79	ng/ul	0.01
29) 4-Chloroaniline-d4	11.01	131	51228	4.04	ng/ul	0.01
44) Dimethylphthalate-d6	14.10	166	337497	9.58	ng/ul	0.01
47) Acenaphthylene-d8	14.39	160	366192	8.30	ng/ul	0.01
52) 4-Nitrophenol-d4	14.88	143	30899	4.88	ng/ul	0.02
58) Fluorene-d10	15.69	176	236367	7.73	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.63	200	537	0.13	ng/ul	-0.15
71) Anthracene-d10	17.54	188	310474	7.90	ng/ul	0.02
79) Pyrene-d10	19.82	212	292901	8.00	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.76	264	274282	7.34	ng/ul	0.05

Target Compounds

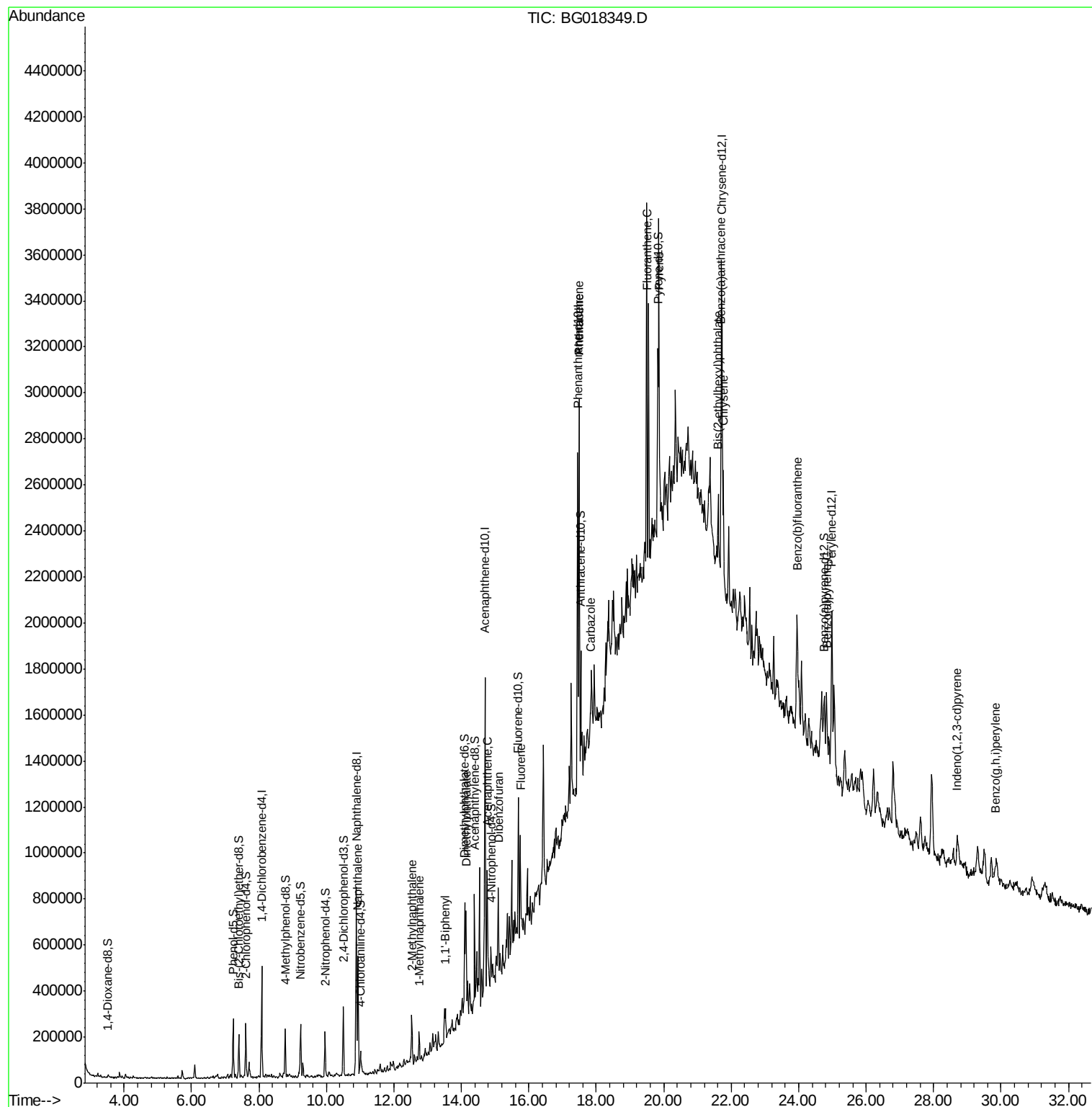
					Qvalue	
28) Naphthalene	10.93	128	429614	12.13	ng/ul	98
34) 2-Methylnaphthalene	12.53	142	96004	3.75	ng/ul	92
35) 1-Methylnaphthalene	12.75	142	53383	2.14	ng/ul	99
41) 1,1'-Biphenyl	13.53	154	34983	1.00	ng/ul	94
45) Dimethylphthalate	14.15	163	217052	6.26	ng/ul#	99
50) Acenaphthene	14.76	153	222282	7.14	ng/ul	96
54) Dibenzofuran	15.09	168	194269	4.77	ng/ul	97
59) Fluorene	15.75	166	177230	5.06	ng/ul	99
70) Phenanthrene	17.48	178	999827	22.24	ng/ul	96
72) Anthracene	17.48	178	999827	21.84	ng/ul	96
75) Carbazole	17.84	167	91822	2.28	ng/ul#	83
77) Fluoranthene	19.49	202	925871	19.33	ng/ul	98
80) Pyrene	19.85	202	826399	17.37	ng/ul	99
83) Benzo(a)anthracene	21.70	228	286544	6.54	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.61	149	118478	4.13	ng/ul#	93
85) Chrysene	21.77	228	340101	8.30	ng/ul	94
88) Benzo(b)fluoranthene	23.95	252	498458	11.29	ng/ul#	90
91) Benzo(a)pyrene	24.82	252	304698	7.26	ng/ul#	90
92) Indeno(1,2,3-cd)pyrene	28.71	276	209770	4.31	ng/ul#	86
94) Benzo(g,h,i)perylene	29.85	276	72987	1.79	ng/ul	93

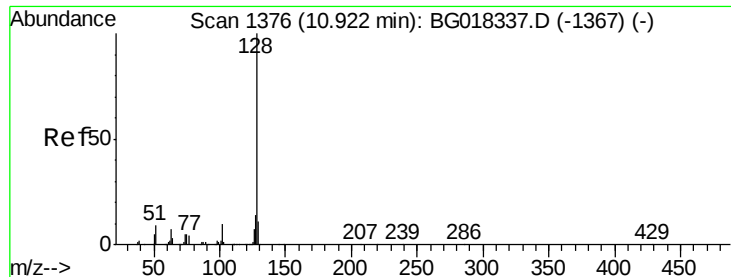
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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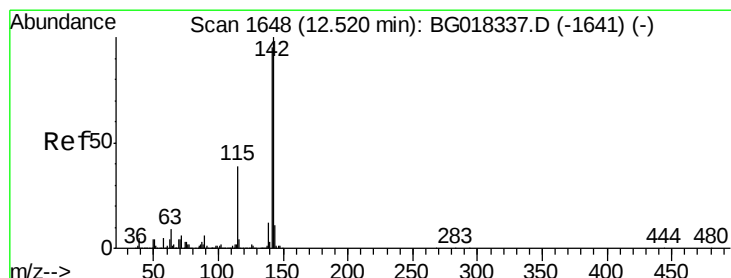
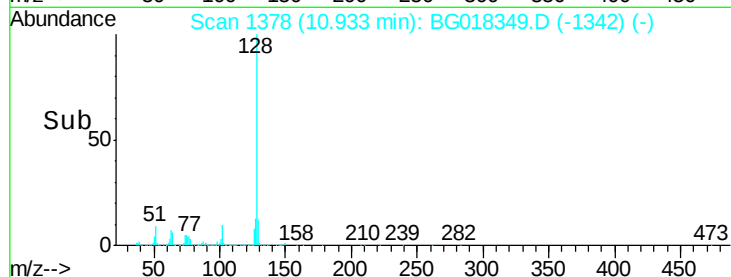
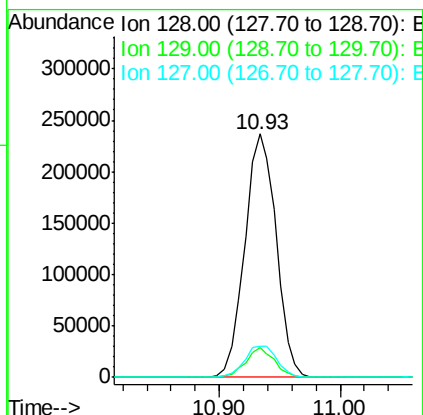
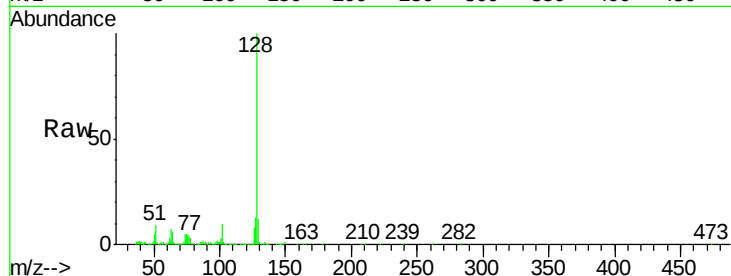




#28
Naphthalene
Concen: 12.13 ng/ul
RT: 10.93 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BG018349.D
Acq: 10 Aug 2015 3:59

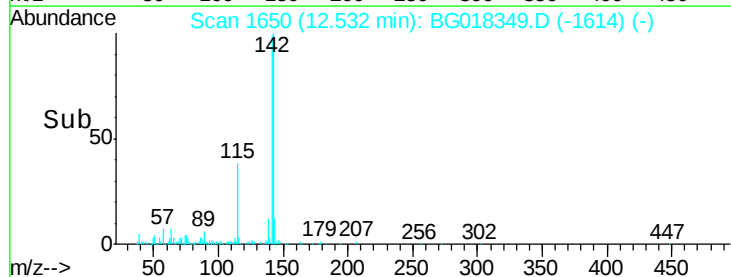
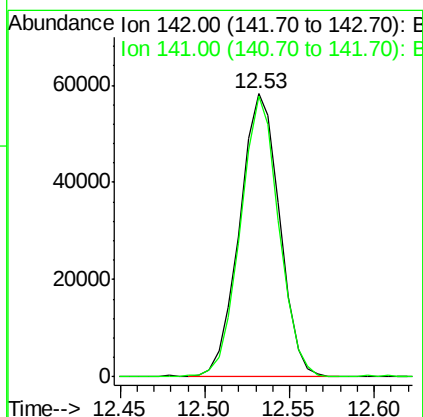
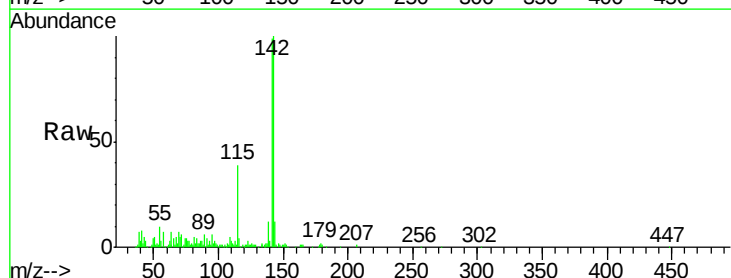
Instrument :
BNA_G
ClientSampleId :
C02C6

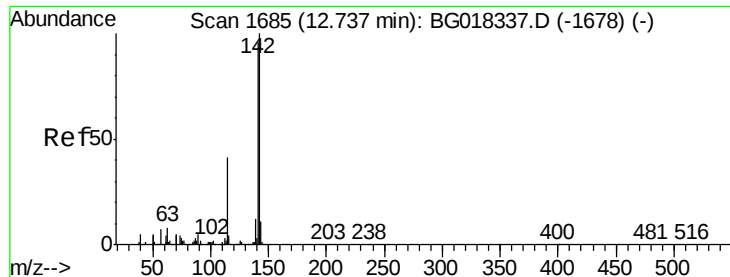
Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.6	13.0
127	12.9	10.8	16.2



#34
2-Methylnaphthalene
Concen: 3.75 ng/ul
RT: 12.53 min Scan# 1650
Delta R.T. 0.01 min
Lab File: BG018349.D
Acq: 10 Aug 2015 3:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	99.3	73.7	110.5





#35

1-Methylnaphthalene

Concen: 2.14 ng/ul

RT: 12.75 min Scan# 1687

Delta R.T. 0.01 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Instrument :

BNA_G

ClientSampleId :

C02C6

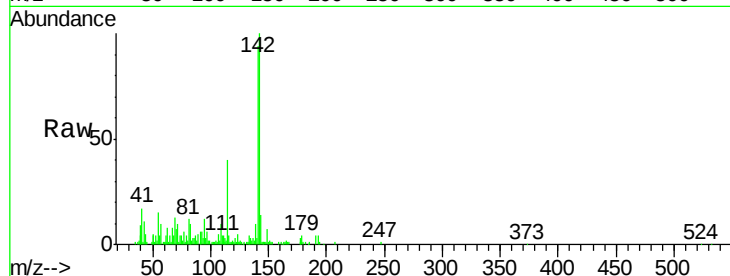
Tgt Ion:142 Resp: 53383

Ion Ratio Lower Upper

142 100

141 93.8 76.2 114.2

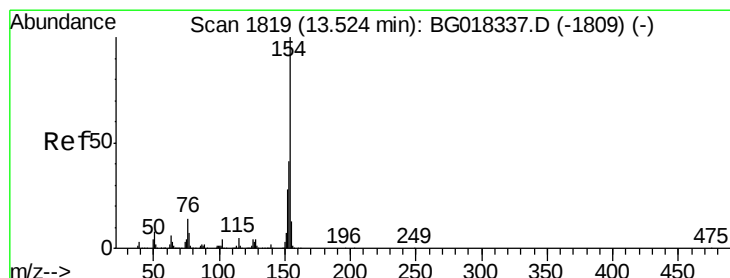
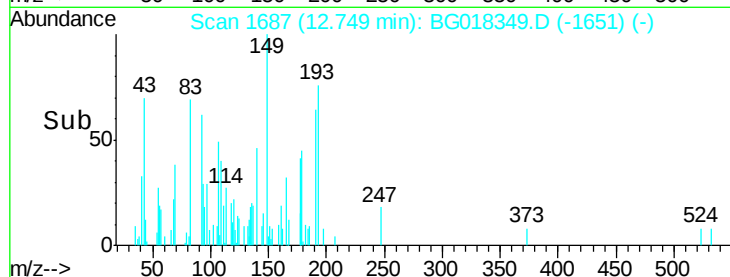
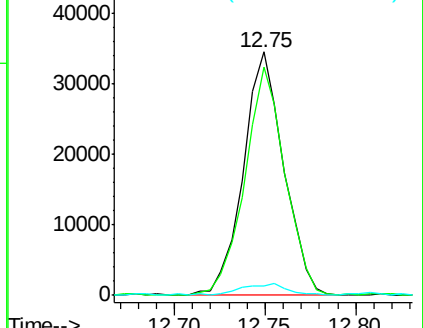
116 3.7 3.3 4.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#41

1,1'-Biphenyl

Concen: 1.00 ng/ul

RT: 13.53 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

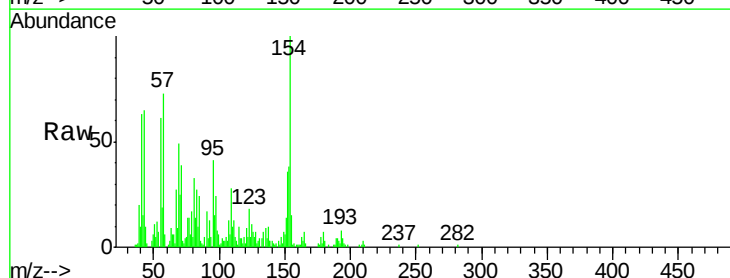
Tgt Ion:154 Resp: 34983

Ion Ratio Lower Upper

154 100

153 38.3 34.4 51.6

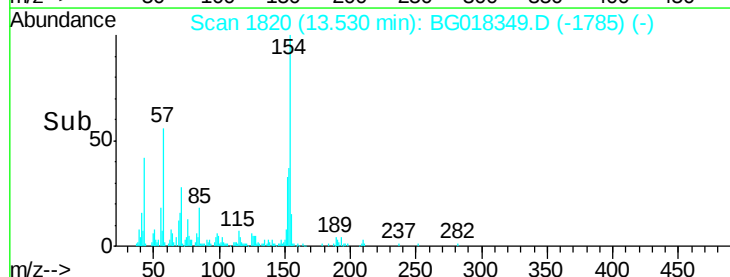
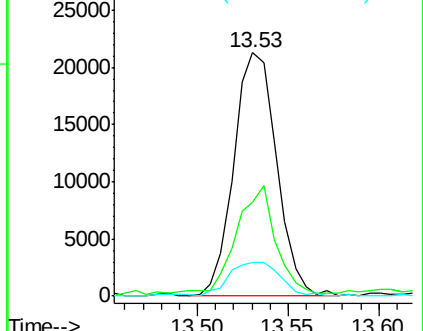
76 13.8 11.2 16.8

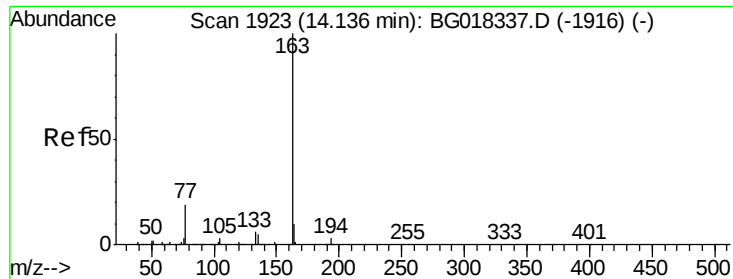


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG





#45

Dimethylphthalate

Concen: 6.26 ng/ul

RT: 14.15 min Scan# 1925

Delta R.T. 0.01 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Instrument :

BNA_G

ClientSampleId :

C02C6

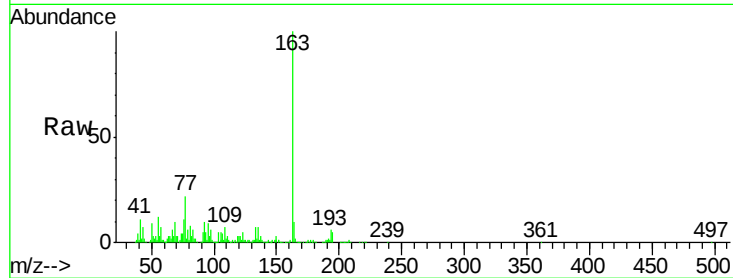
Tgt Ion:163 Resp: 217052

Ion Ratio Lower Upper

163 100

194 5.1 3.2 4.8#

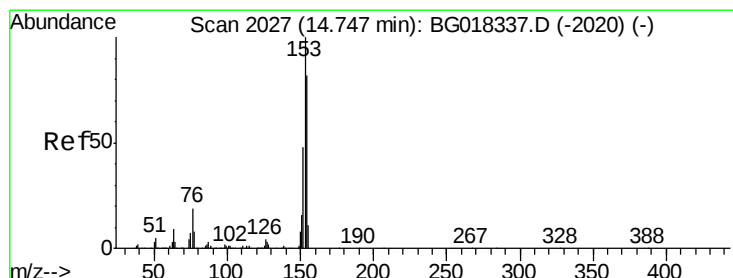
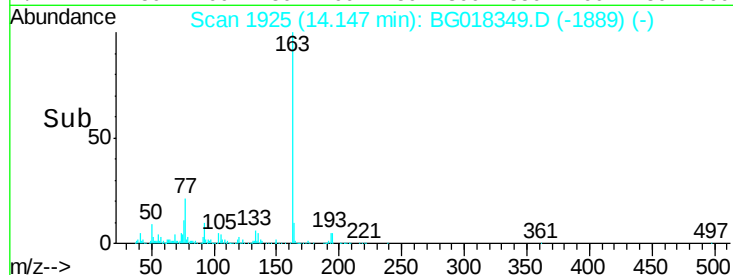
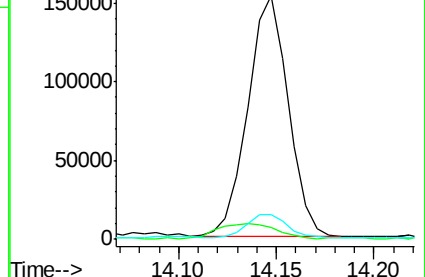
164 10.2 8.0 12.0



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



#50

Acenaphthene

Concen: 7.14 ng/ul

RT: 14.76 min Scan# 2030

Delta R.T. 0.02 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

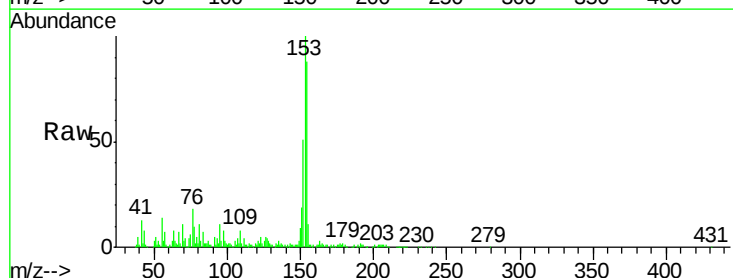
Tgt Ion:153 Resp: 222282

Ion Ratio Lower Upper

153 100

152 51.0 36.7 55.1

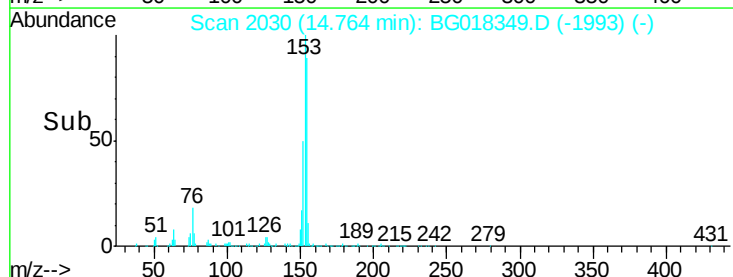
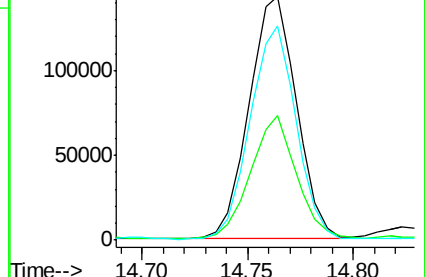
154 88.1 69.0 103.4

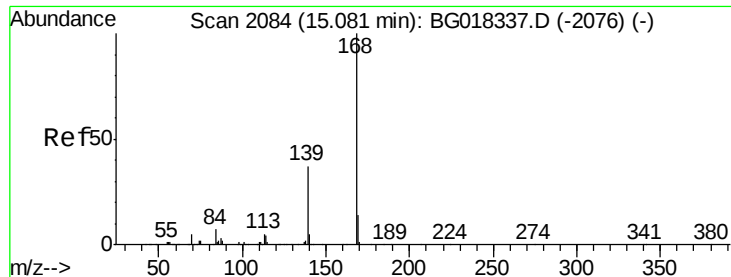


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 4.77 ng/ul

RT: 15.09 min Scan# 2086

Delta R.T. 0.01 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Instrument :

BNA_G

ClientSampleId :

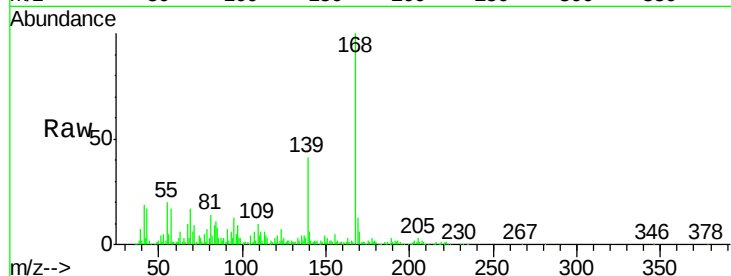
C02C6

Tgt Ion:168 Resp: 194269

Ion Ratio Lower Upper

168 100

139 41.3 31.4 47.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

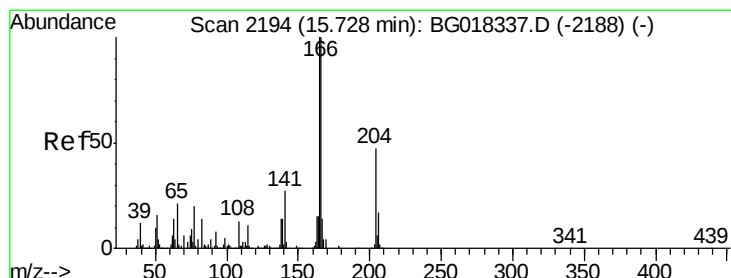
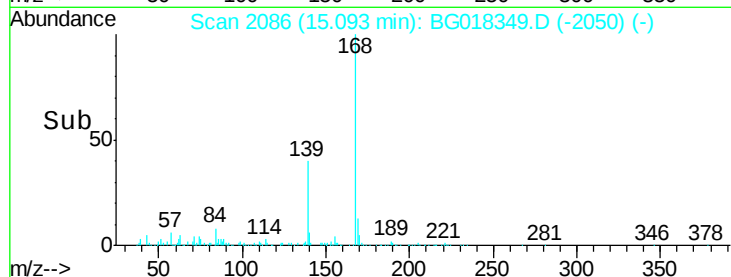
15.09

100000

50000

0

Time-->



#59

Fluorene

Concen: 5.06 ng/ul

RT: 15.75 min Scan# 2197

Delta R.T. 0.02 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

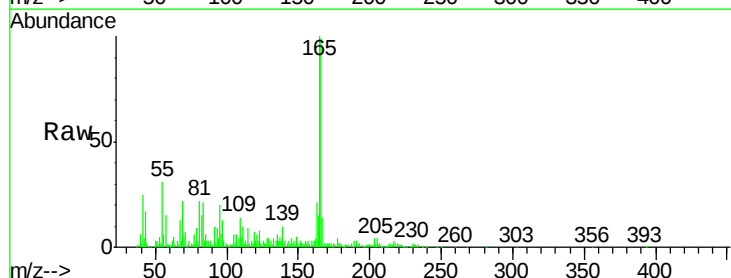
Tgt Ion:166 Resp: 177230

Ion Ratio Lower Upper

166 100

165 100.8 79.7 119.5

167 14.4 10.8 16.2



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

15.75

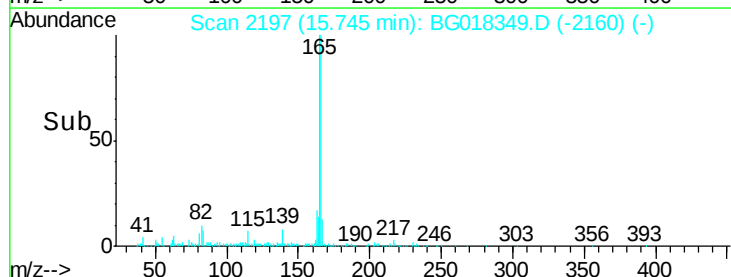
150000

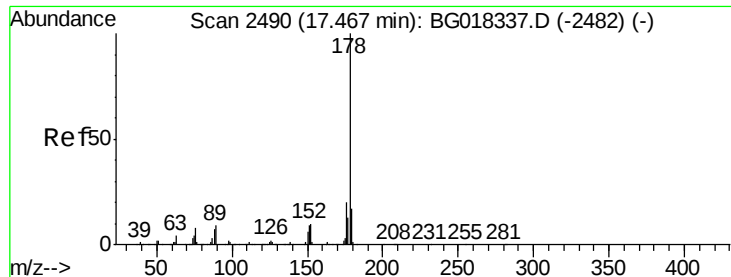
100000

50000

0

Time-->





#70

Phenanthrene

Concen: 22.24 ng/ul

RT: 17.48 min Scan# 2493

Delta R.T. 0.02 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Instrument :

BNA_G

ClientSampleId :

C02C6

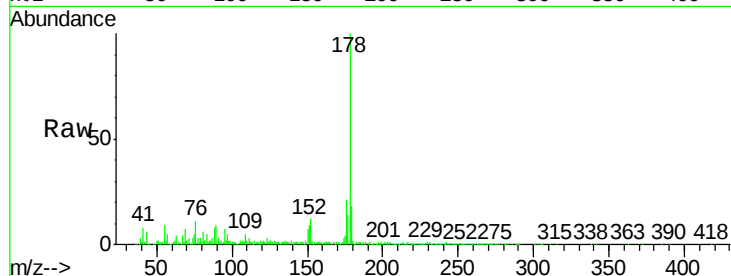
Tgt Ion:178 Resp: 999827

Ion Ratio Lower Upper

178 100

179 18.2 12.4 18.6

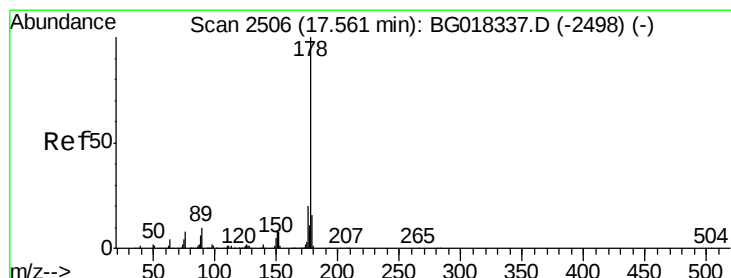
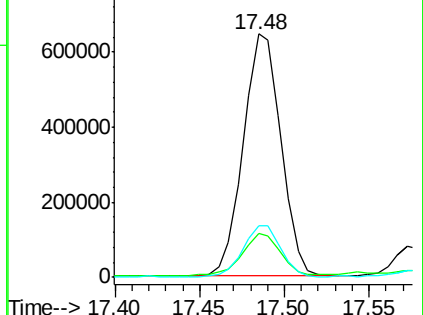
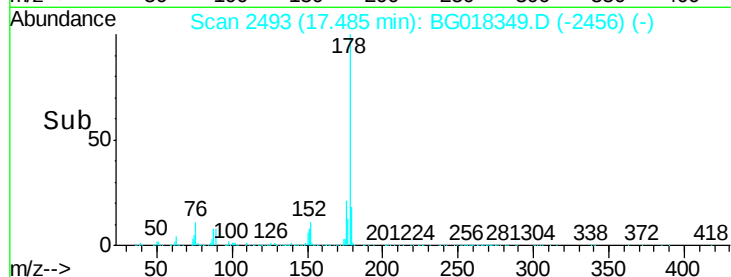
176 21.2 15.9 23.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 21.84 ng/ul

RT: 17.48 min Scan# 2493

Delta R.T. -0.08 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

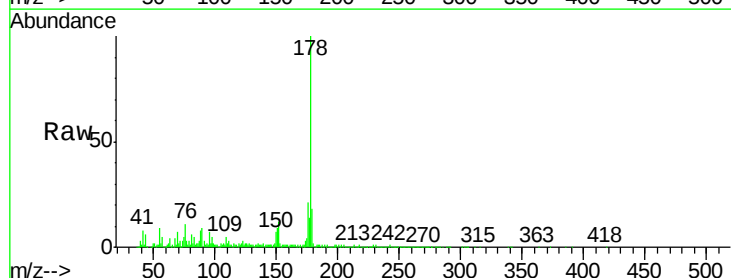
Tgt Ion:178 Resp: 999827

Ion Ratio Lower Upper

178 100

179 18.2 12.8 19.2

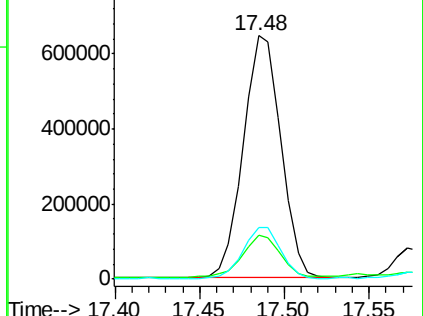
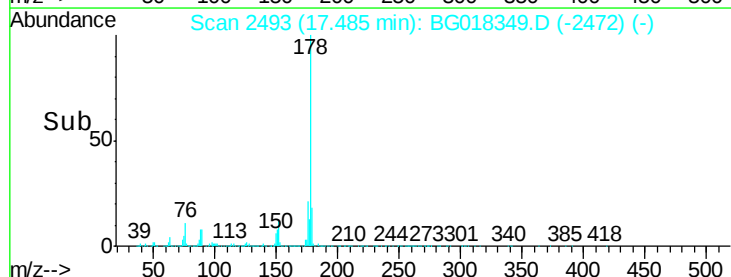
176 21.2 15.9 23.9

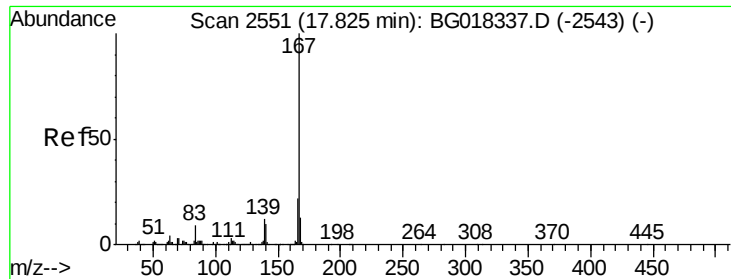


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.28 ng/ul

RT: 17.84 min Scan# 2553

Delta R.T. 0.01 min

Lab File: BG018349.D

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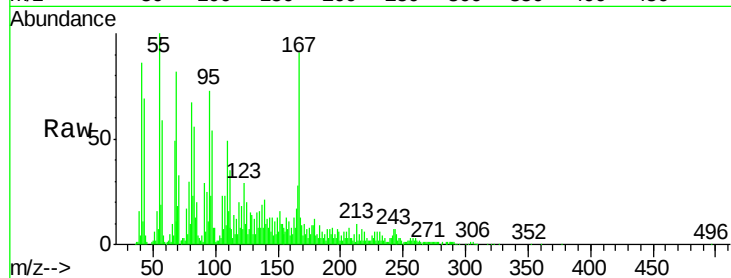
Tgt Ion:167 Resp: 91822

Ion Ratio Lower Upper

167 100

166 30.9 19.3 28.9#

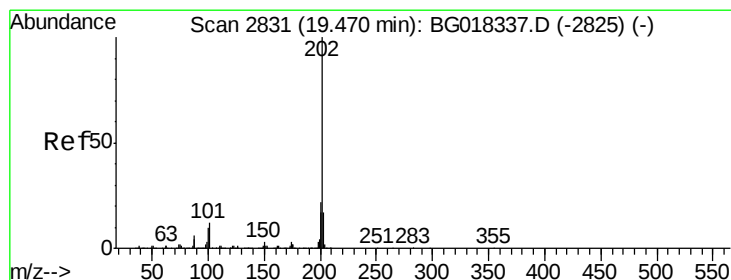
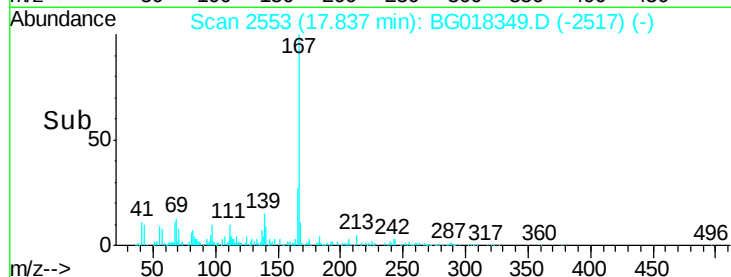
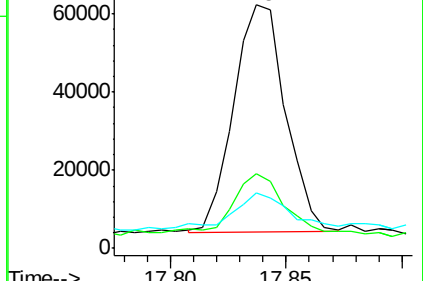
139 22.6 10.7 16.1#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 19.33 ng/ul

RT: 19.49 min Scan# 2835

Delta R.T. 0.02 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

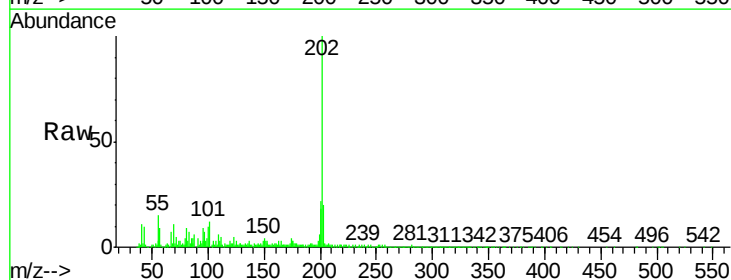
Tgt Ion:202 Resp: 925871

Ion Ratio Lower Upper

202 100

101 11.5 8.9 13.3

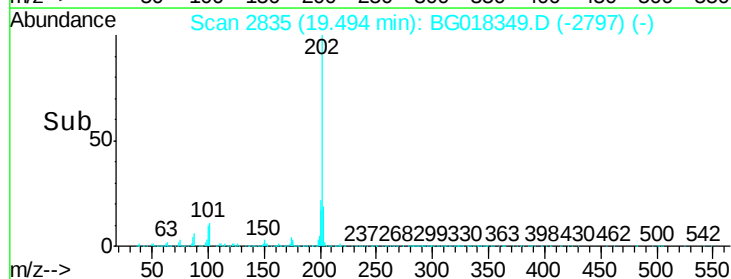
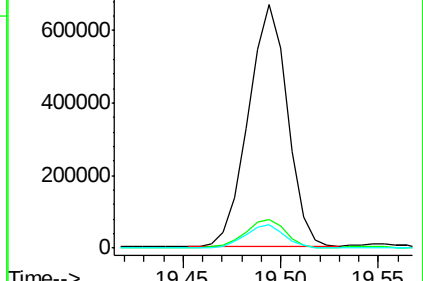
100 9.8 8.5 12.7

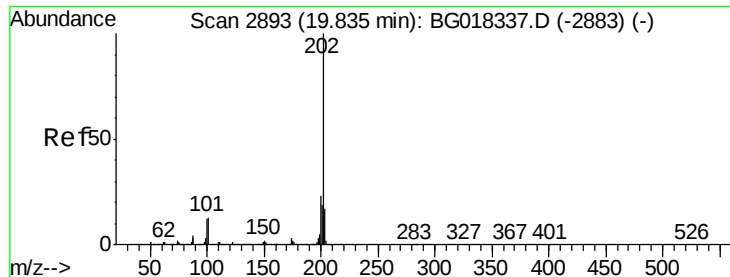


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

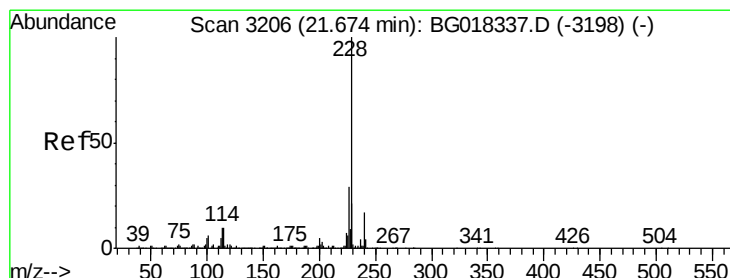
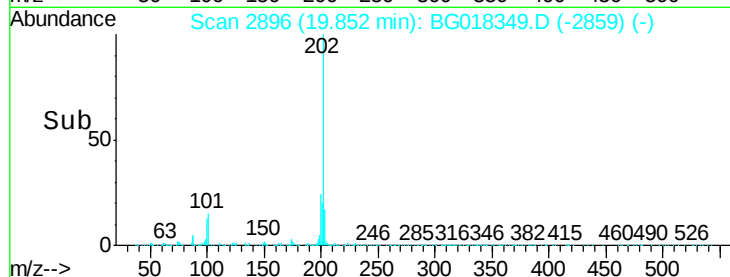
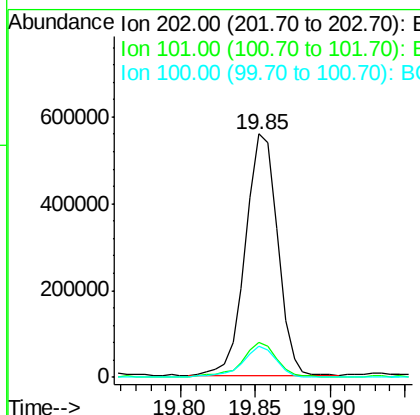
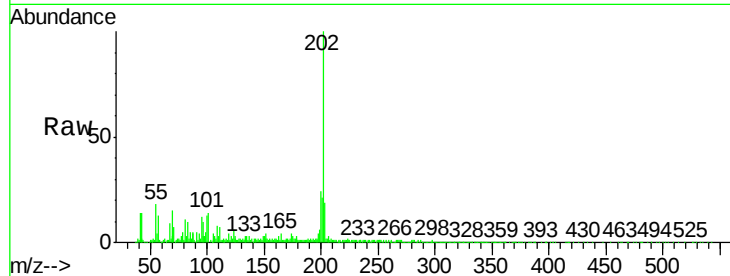




#80
 Pyrene
 Concen: 17.37 ng/ul
 RT: 19.85 min Scan# 2896
 Delta R.T. 0.02 min
 Lab File: BG018349.D
 Acq: 10 Aug 2015 3:59

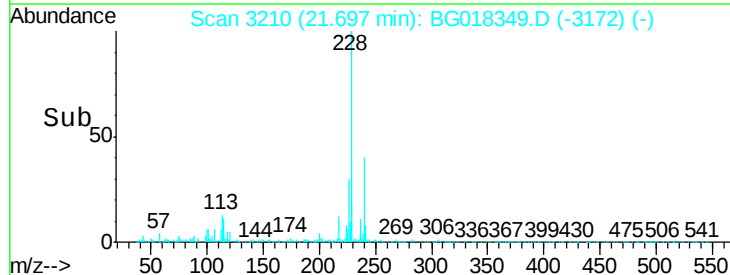
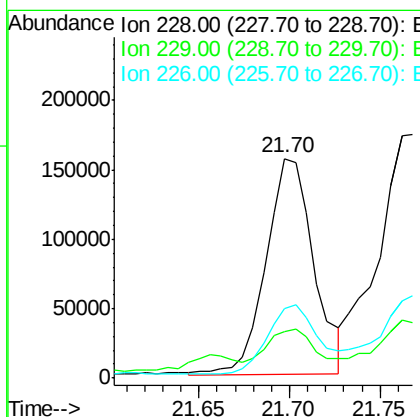
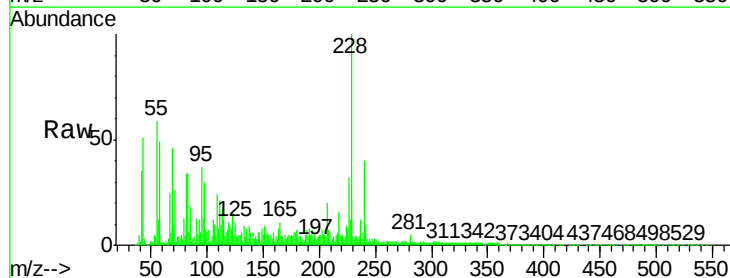
Instrument :
 BNA_G
 ClientSampleId :
 C02C6

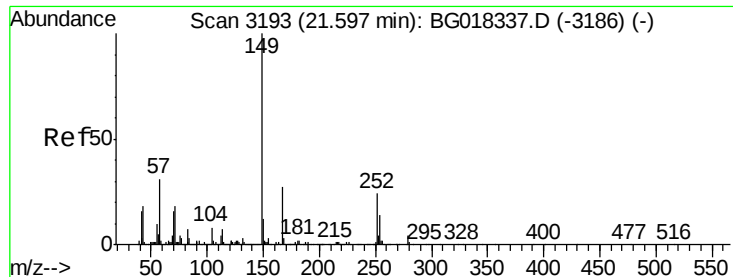
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	11.3	16.9
100	12.8	9.6	14.4



#83
 Benzo(a)anthracene
 Concen: 6.54 ng/ul
 RT: 21.70 min Scan# 3210
 Delta R.T. 0.02 min
 Lab File: BG018349.D
 Acq: 10 Aug 2015 3:59

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.4	23.2
226	31.7	22.3	33.5

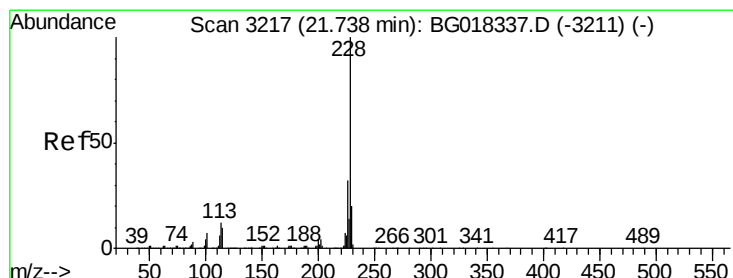
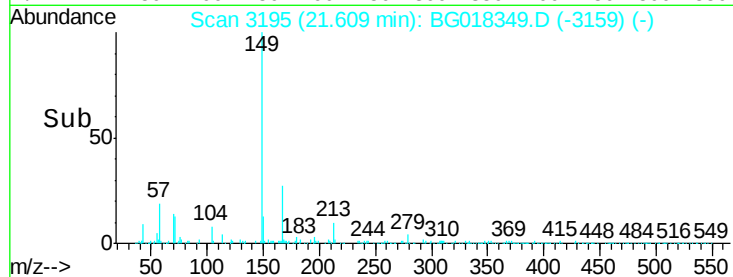
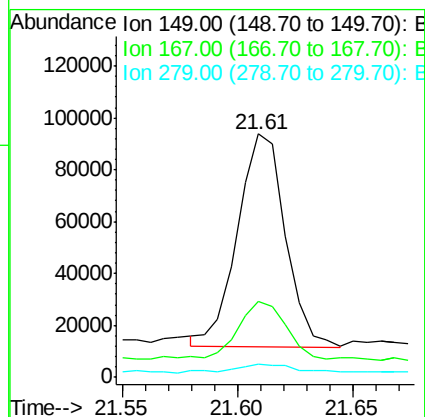
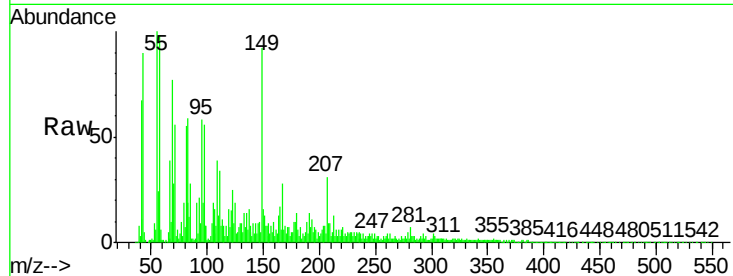




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.13 ng/ul
 RT: 21.61 min Scan# 3195
 Delta R.T. 0.01 min
 Lab File: BG018349.D
 Acq: 10 Aug 2015 3:59

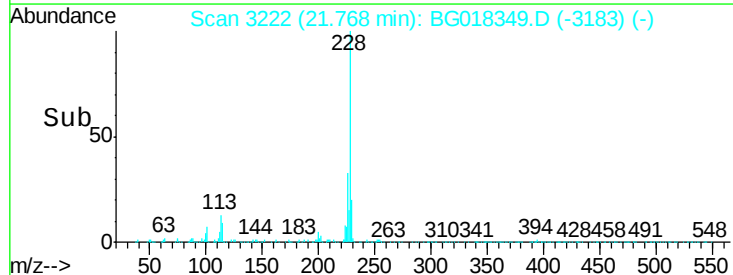
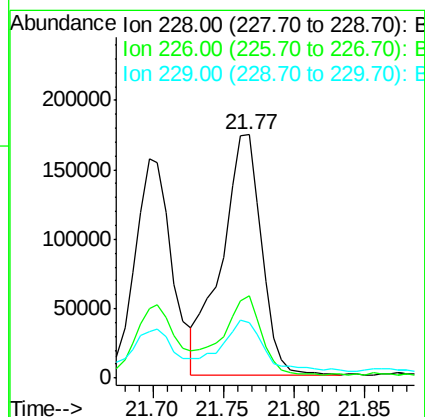
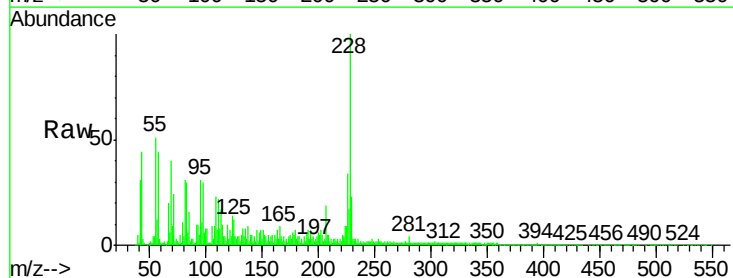
Instrument :
 BNA_G
 ClientSampleId :
 C02C6

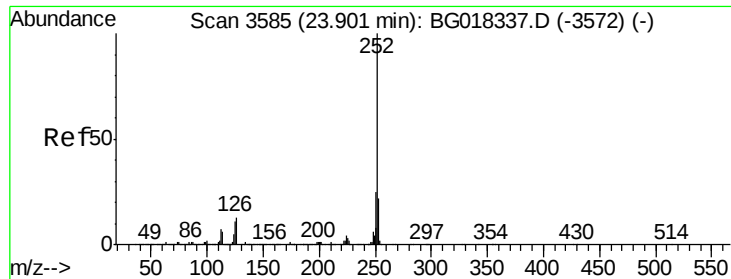
Tgt Ion:149 Resp: 118478
 Ion Ratio Lower Upper
 149 100
 167 31.1 21.8 32.6
 279 5.5 2.8 4.2#



#85
 Chrysene
 Concen: 8.30 ng/ul
 RT: 21.77 min Scan# 3222
 Delta R.T. 0.03 min
 Lab File: BG018349.D
 Acq: 10 Aug 2015 3:59

Tgt Ion:228 Resp: 340101
 Ion Ratio Lower Upper
 228 100
 226 33.7 24.6 37.0
 229 22.9 16.0 24.0





#88

Benzo(b)fluoranthene

Concen: 11.29 ng/ul

RT: 23.95 min Scan# 3593

Delta R.T. 0.05 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

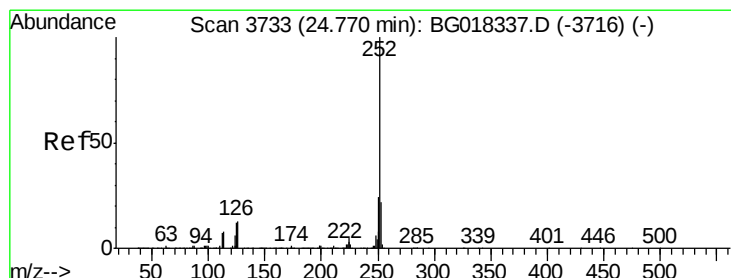
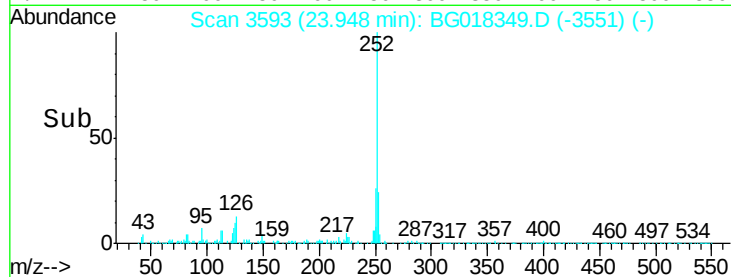
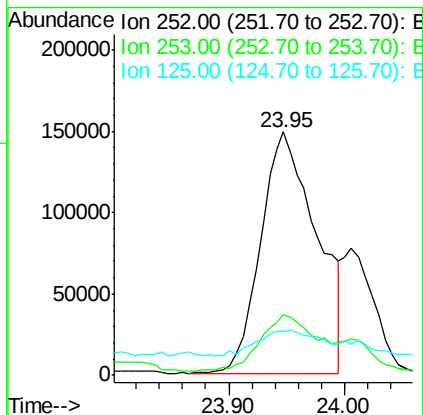
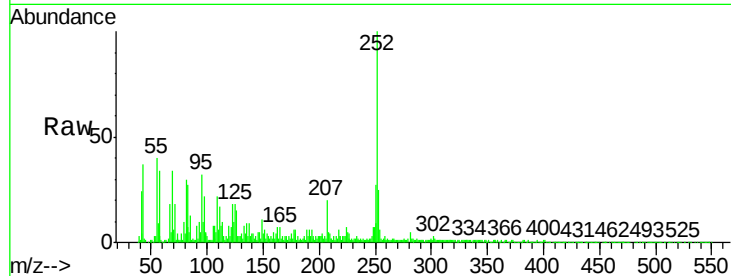
Instrument :

BNA_G

ClientSampleId :

C02C6

Tgt Ion:	252	Resp:	498458
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.0	27.0
125	18.3	8.6	12.8#



#91

Benzo(a)pyrene

Concen: 7.26 ng/ul

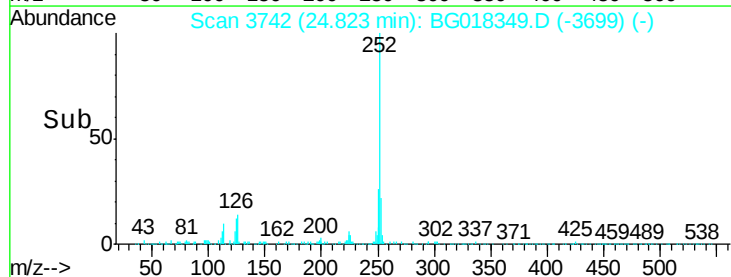
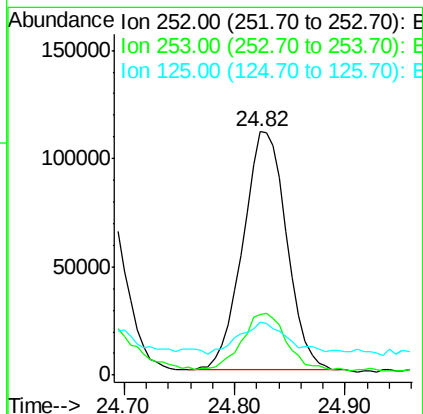
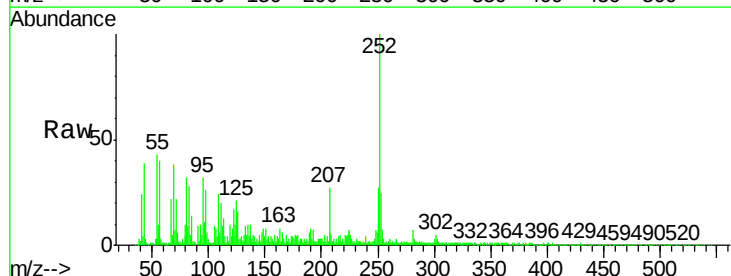
RT: 24.82 min Scan# 3742

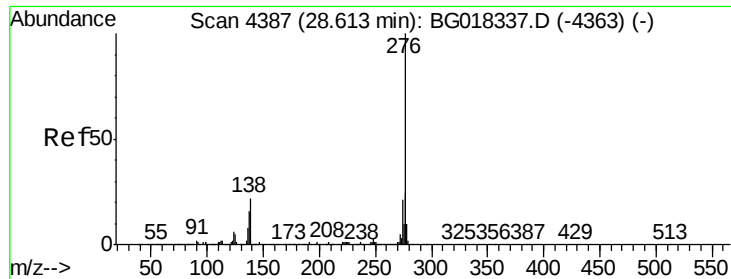
Delta R.T. 0.05 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Tgt Ion:	252	Resp:	304698
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.6	27.8
125	21.5	9.8	14.6#





#92

Indeno(1,2,3-cd)pyrene

Concen: 4.31 ng/ul

RT: 28.71 min Scan# 4403

Delta R.T. 0.09 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Instrument :

BNA_G

ClientSampleId :

C02C6

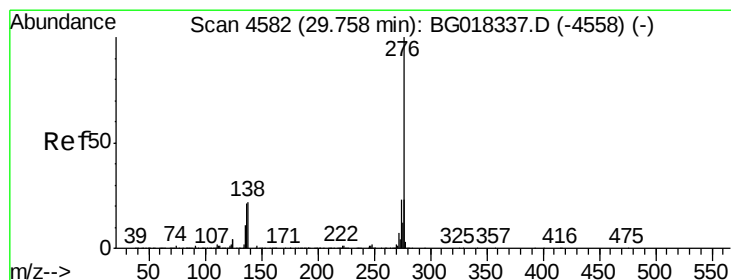
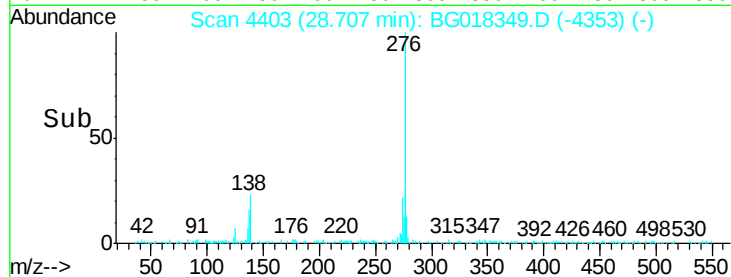
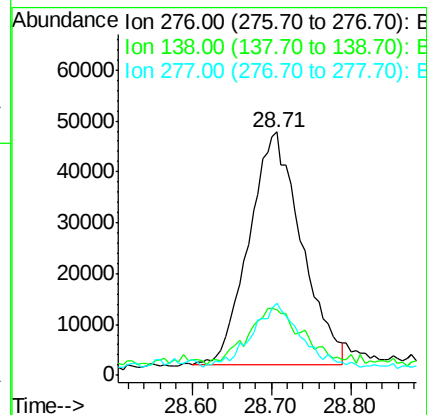
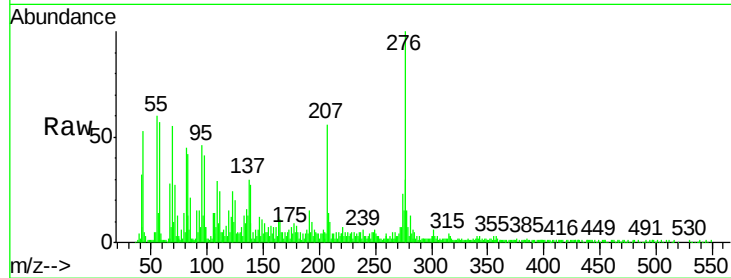
Tgt Ion:276 Resp: 209770

Ion Ratio Lower Upper

276 100

138 27.0 15.9 23.9#

277 29.7 19.0 28.6#



#94

Benzo(g,h,i)perylene

Concen: 1.79 ng/ul

RT: 29.85 min Scan# 4597

Delta R.T. 0.09 min

Lab File: BG018349.D

Acq: 10 Aug 2015 3:59

Tgt Ion:276 Resp: 72987

Ion Ratio Lower Upper

276 100

138 25.7 17.4 26.0

277 25.7 18.4 27.6

