

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
 Data File : BG018237.D
 Acq On : 2 Aug 2015 21:40
 Operator : TP
 Sample : G3073-07RE
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01N7RE

Quant Time: Aug 03 06:05:08 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	85761	20.00	ng/ul	0.00
18) Naphthalene-d8	10.26	136	363398	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.16	164	226526	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.92	188	383813	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	324027	20.00	ng/ul	0.02
86) Perylene-d12	23.32	264	280293	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	2321	2.04	ng/uL	0.01
5) Phenol-d5	6.68	99	83105	10.78	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.82	67	41536	10.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	72726	12.49	ng/ul	0.01
13) 4-Methylphenol-d8	8.22	113	63903	10.18	ng/ul	0.02
19) Nitrobenzene-d5	8.64	128	37561	13.12	ng/ul	0.01
22) 2-Nitrophenol-d4	9.36	143	37072	11.28	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.91	165	75145	12.94	ng/ul	0.02
29) 4-Chloroaniline-d4	10.42	131	56561	7.82	ng/ul	0.01
44) Dimethylphthalate-d6	13.58	166	235069	13.43	ng/ul	0.01
47) Acenaphthylene-d8	13.85	160	238997	11.77	ng/ul	0.01
52) 4-Nitrophenol-d4	14.42	143	23316	7.20	ng/ul	0.02
58) Fluorene-d10	15.16	176	164878	10.41	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.31	200	542	0.20	ng/ul	0.02
71) Anthracene-d10	17.02	188	186264	11.16	ng/ul	0.02
79) Pyrene-d10	19.33	212	130833	8.35	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.18	264	118500	8.36	ng/ul	0.03

Target Compounds

						Qvalue
4) Benzaldehyde	6.63	77	4989	1.20	ng/ul#	1
17) Hexachloroethane	8.58	117	5141	1.96	ng/ul#	5
28) Naphthalene	10.31	128	22074	1.26	ng/ul#	93
32) Caprolactam	11.19	113	6929	2.51	ng/ul	97
45) Dimethylphthalate	13.62	163	122248	7.02	ng/ul	97
50) Acenaphthene	14.22	153	40094	3.05	ng/ul	94
54) Dibenzofuran	14.56	168	30144	1.52	ng/ul#	73
59) Fluorene	15.22	166	47155	2.76	ng/ul	94
70) Phenanthrene	16.96	178	506999	26.00	ng/ul	99
72) Anthracene	17.05	178	132143	6.81	ng/ul	98
75) Carbazole	17.33	167	53001	3.29	ng/ul	95
76) Di-n-butylphthalate	17.90	149	32734	1.53	ng/ul#	95
77) Fluoranthene	19.00	202	532021	24.84	ng/ul#	91
80) Pyrene	19.36	202	447331	22.76	ng/ul#	90
83) Benzo(a)anthracene	21.12	228	243167	13.94	ng/ul	98
85) Chrysene	21.17	228	233531	14.61	ng/ul	96
88) Benzo(b)fluoranthene	22.67	252	316041	18.77	ng/ul	98
89) Benzo(k)fluoranthene	22.67	252	316041	20.42	ng/ul	97
91) Benzo(a)pyrene	23.23	252	186241	12.36	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.53	276	79876	4.58	ng/ul#	87
93) Dibenzo(a,h)anthracene	25.53	278	23163	1.55	ng/ul#	75
94) Benzo(g,h,i)perylene	26.21	276	60588	4.26	ng/ul#	87

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Quant Time: Aug 03 06:05:08 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration

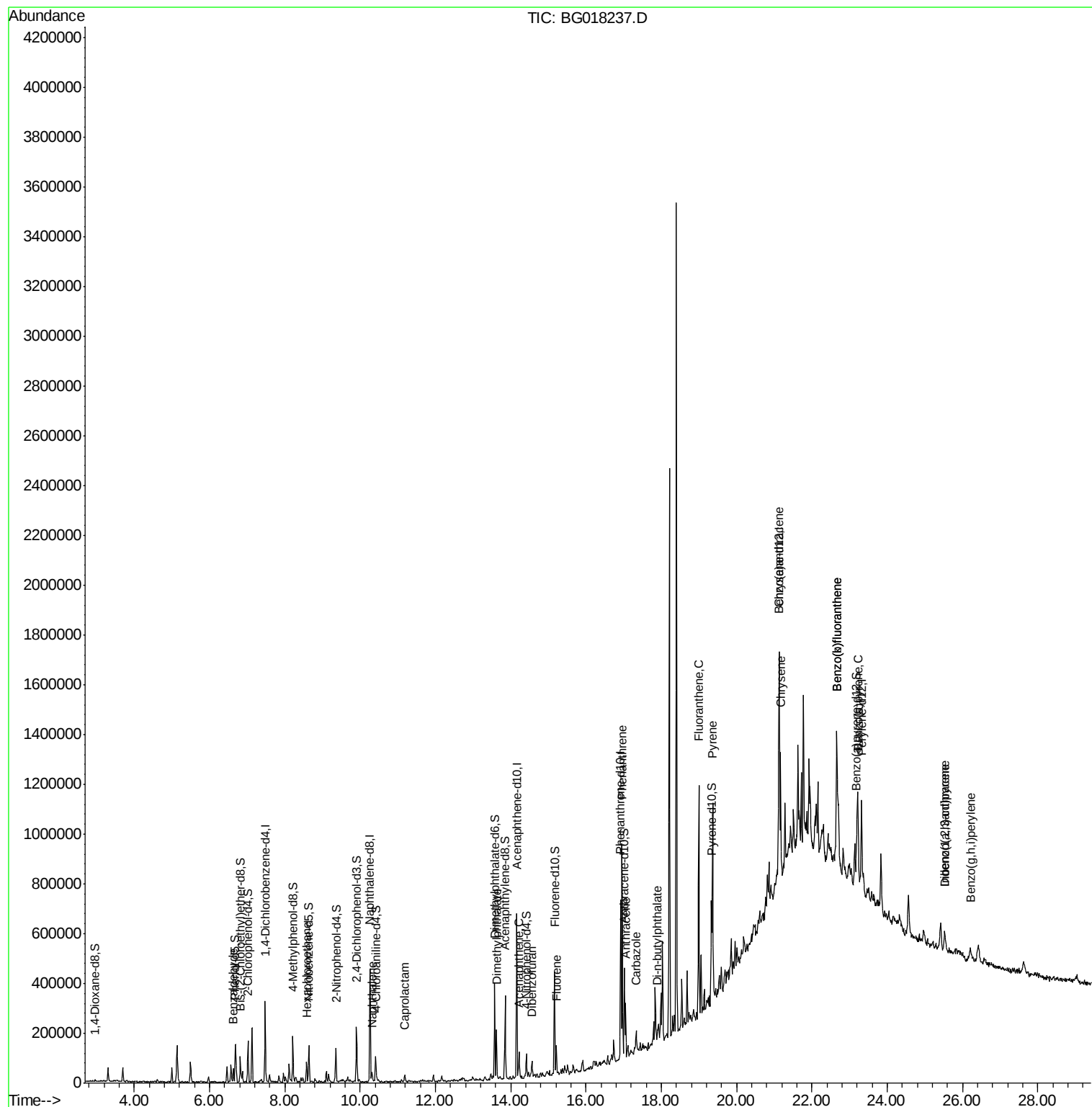
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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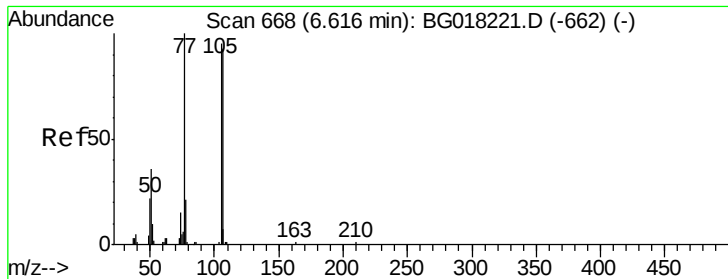
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
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Quant Time: Aug 03 06:05:08 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.20 ng/ul

RT: 6.63 min Scan# 671

Delta R.T. 0.02 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

Instrument :

BNA_G

ClientSampleId :

C01N7RE

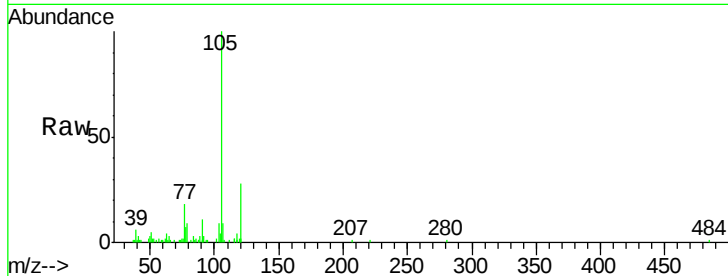
Tgt Ion: 77 Resp: 4989

Ion Ratio Lower Upper

77 100

105 570.8 89.8 134.6#

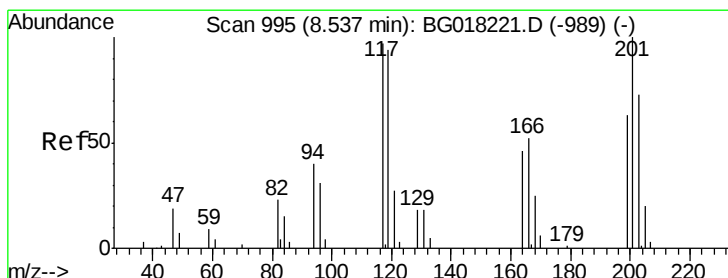
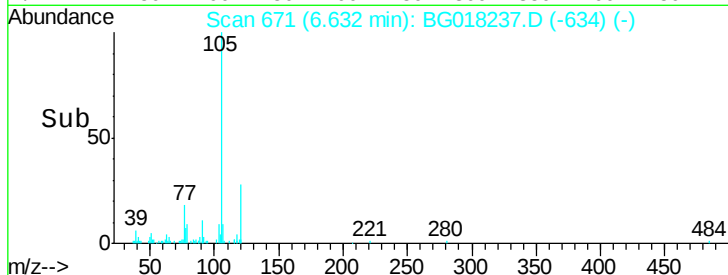
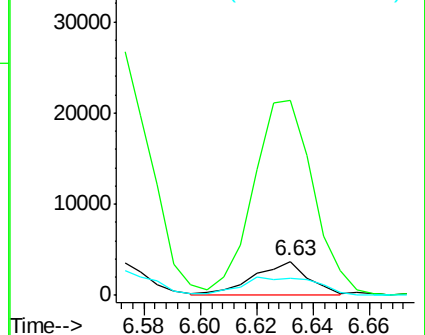
106 51.4 94.2 141.4#



Abundance Ion 77.00 (76.70 to 77.70): BG018237.D (-634) (-)

Ion 105.00 (104.70 to 105.70): BG018237.D (-634) (-)

Ion 106.00 (105.70 to 106.70): BG018237.D (-634) (-)



#17

Hexachloroethane

Concen: 1.96 ng/ul

RT: 8.58 min Scan# 1003

Delta R.T. 0.05 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

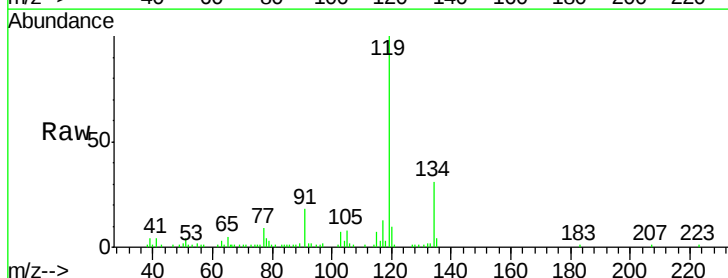
Tgt Ion: 117 Resp: 5141

Ion Ratio Lower Upper

117 100

201 0.0 85.0 127.4#

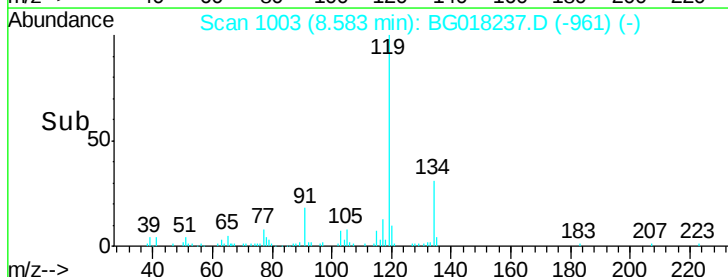
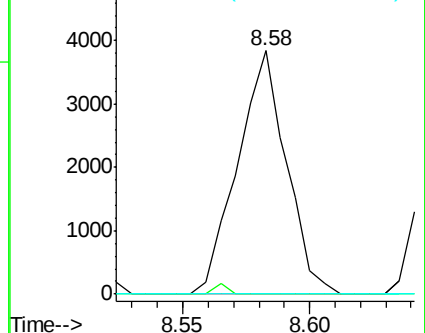
199 0.0 52.2 78.4#

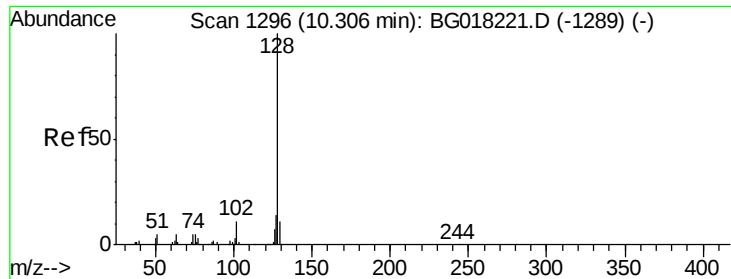


Abundance Ion 117.00 (116.70 to 117.70): BG018237.D (-961) (-)

Ion 201.00 (200.70 to 201.70): BG018237.D (-961) (-)

Ion 199.00 (198.70 to 199.70): BG018237.D (-961) (-)

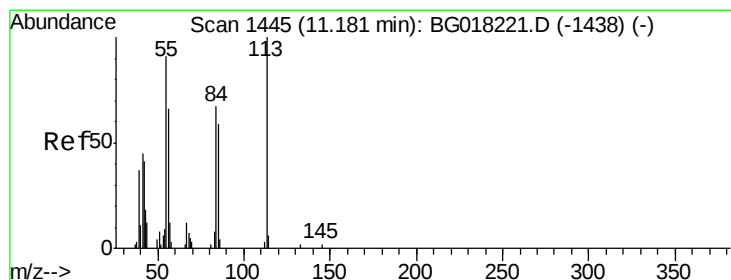
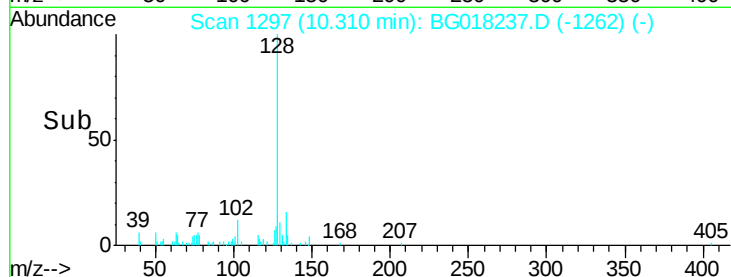
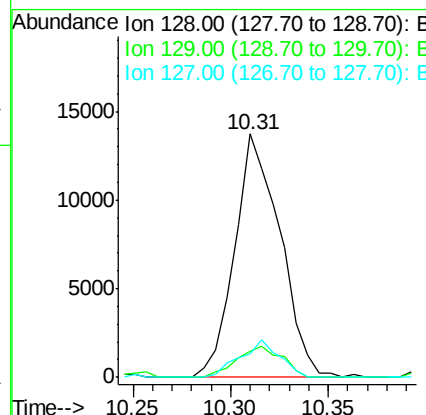
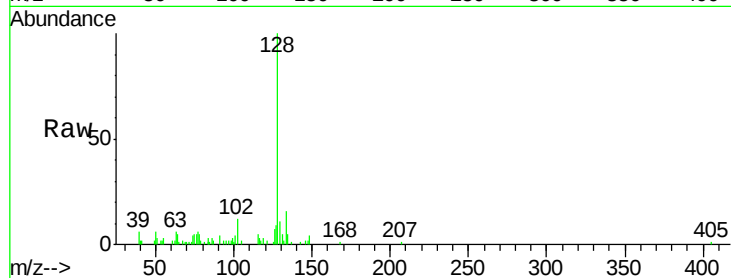




#28
Naphthalene
Concen: 1.26 ng/ul
RT: 10.31 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

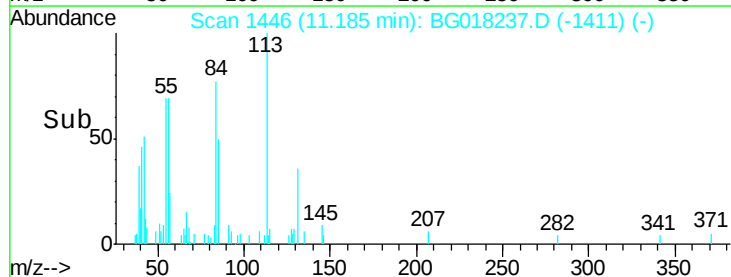
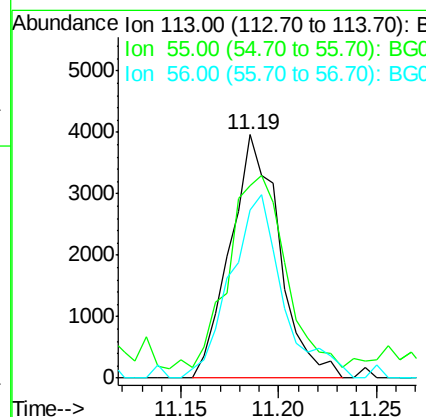
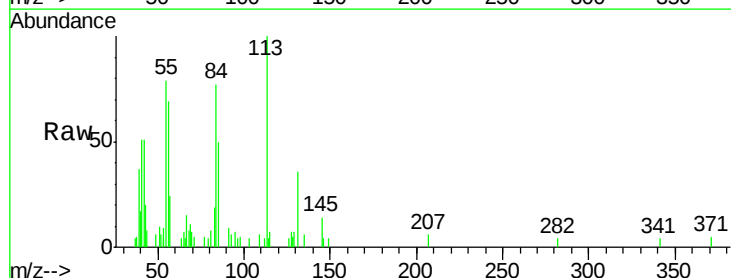
Instrument :
BNA_G
ClientSampleId :
C01N7RE

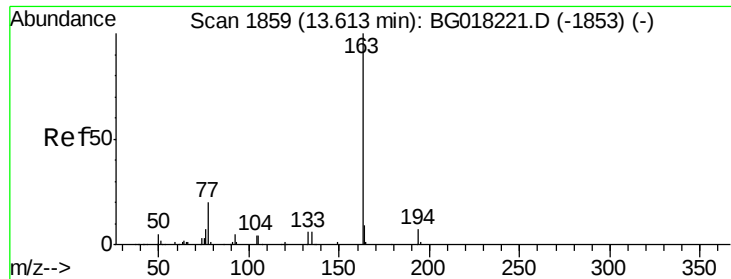
Tgt Ion:128 Resp: 22074
Ion Ratio Lower Upper
128 100
129 10.5 9.1 13.7
127 9.5 11.2 16.8#



#32
Caprolactam
Concen: 2.51 ng/ul
RT: 11.19 min Scan# 1446
Delta R.T. 0.00 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Tgt Ion:113 Resp: 6929
Ion Ratio Lower Upper
113 100
55 78.8 64.6 96.8
56 69.0 53.2 79.8

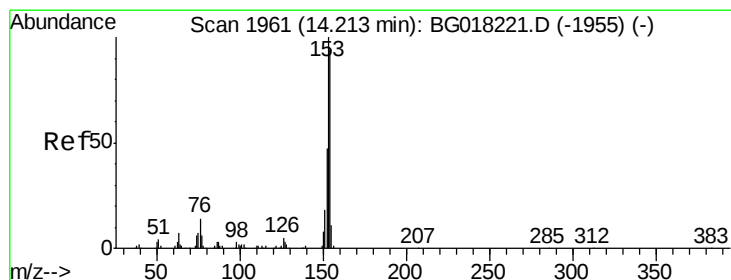
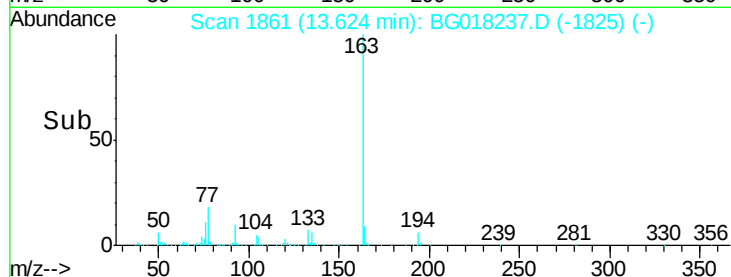
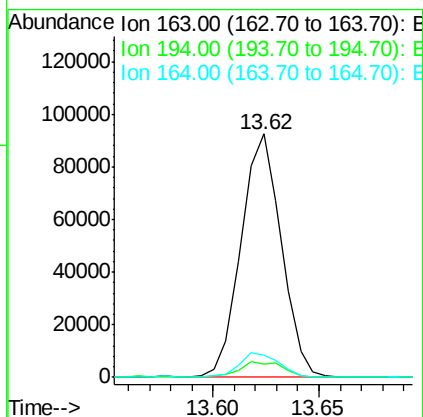
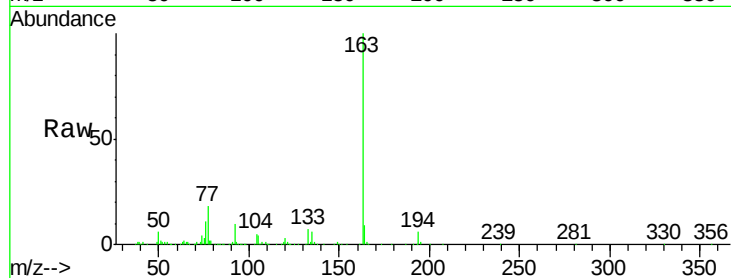




#45
Dimethylphthalate
Concen: 7.02 ng/ul
RT: 13.62 min Scan# 1861
Delta R.T. 0.01 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

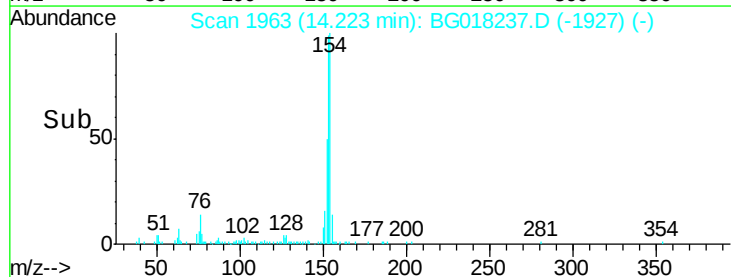
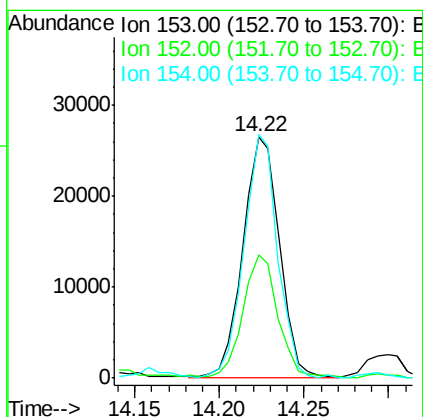
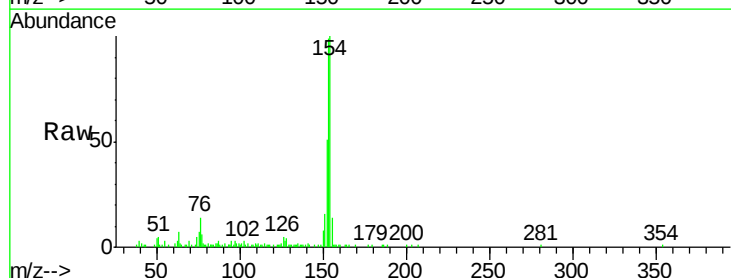
Instrument :
BNA_G
ClientSampleId :
C01N7RE

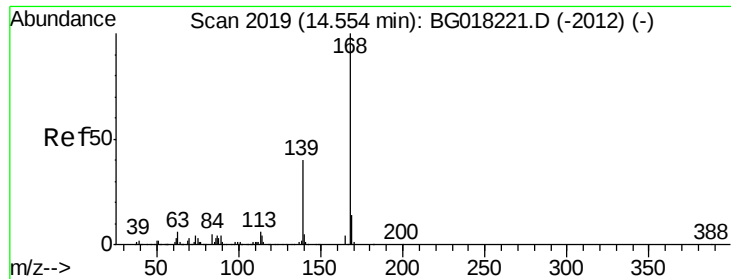
Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.7	5.2	7.8
164	9.1	8.4	12.6



#50
Acenaphthene
Concen: 3.05 ng/ul
RT: 14.22 min Scan# 1963
Delta R.T. 0.01 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Tgt Ion	Ratio	Lower	Upper
153	100		
152	51.2	38.7	58.1
154	100.9	74.8	112.2

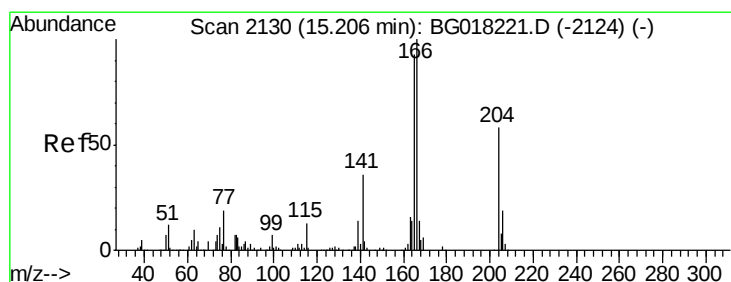
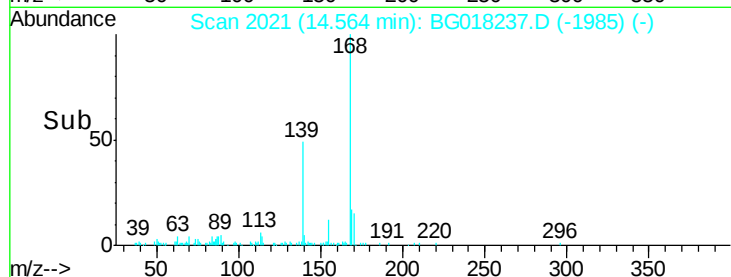
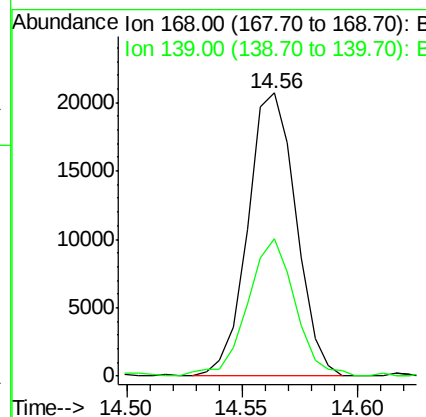
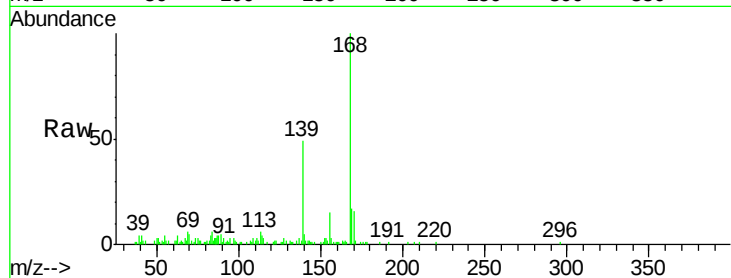




#54
Dibenzenofuran
Concen: 1.52 ng/ul
RT: 14.56 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

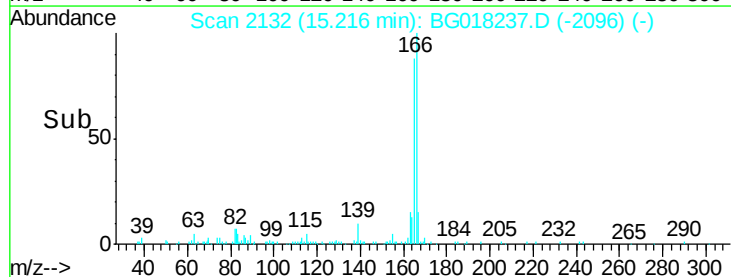
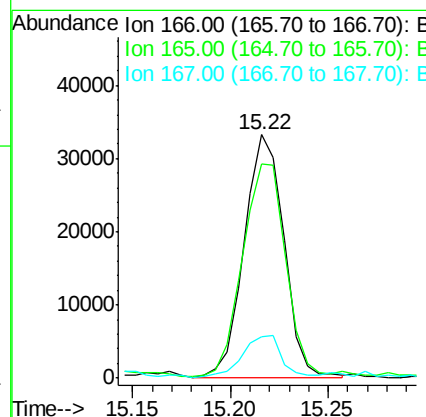
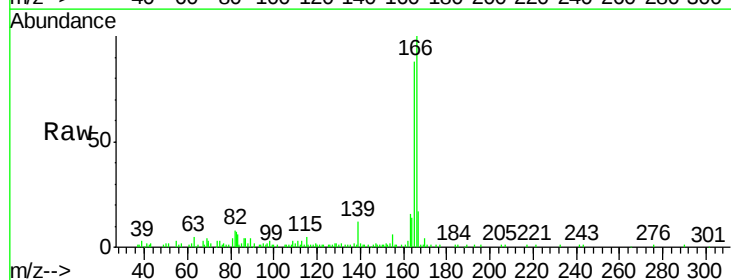
Instrument :
BNA_G
ClientSampleId :
C01N7RE

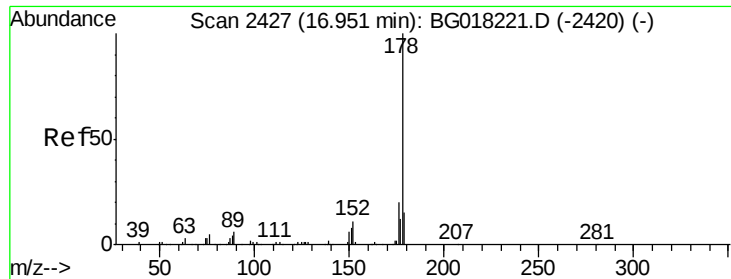
Tgt Ion:168 Resp: 30144
Ion Ratio Lower Upper
168 100
139 48.8 26.8 40.2#



#59
Fluorene
Concen: 2.76 ng/ul
RT: 15.22 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BG018237.D
Acq: 2 Aug 2015 21:40

Tgt Ion:166 Resp: 47155
Ion Ratio Lower Upper
166 100
165 88.1 75.1 112.7
167 16.9 11.8 17.6





#70

Phenanthrene

Concen: 26.00 ng/ul

RT: 16.96 min Scan# 2429

Delta R.T. 0.01 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

Instrument :

BNA_G

ClientSampleId :

C01N7RE

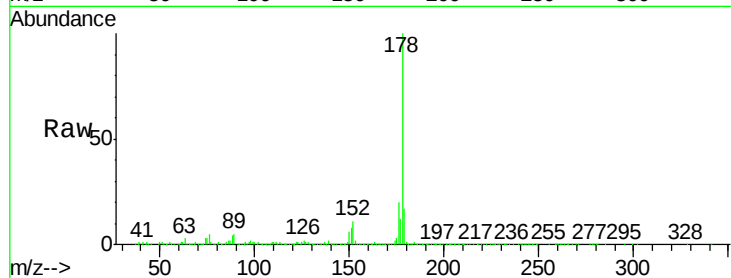
Tgt Ion:178 Resp: 506999

Ion Ratio Lower Upper

178 100

179 16.6 12.8 19.2

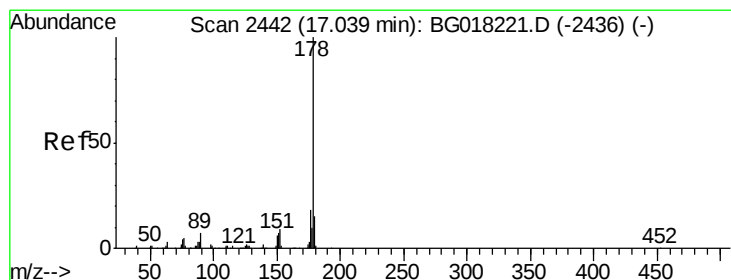
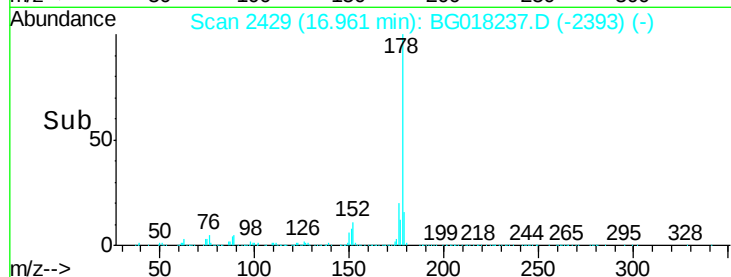
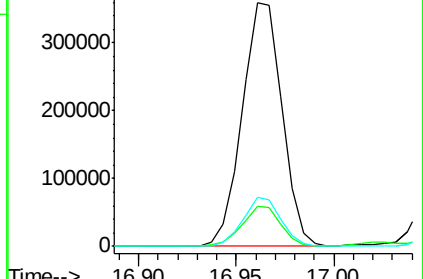
176 20.0 16.0 24.0



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: 6.81 ng/ul

RT: 17.05 min Scan# 2445

Delta R.T. 0.02 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

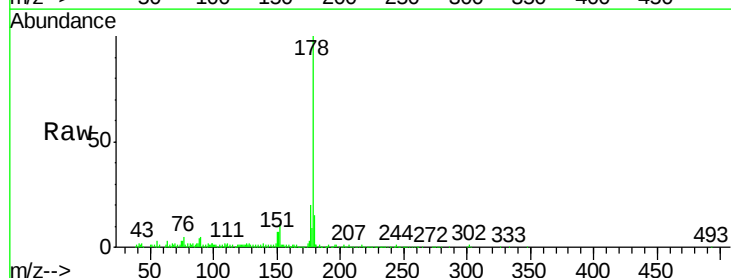
Tgt Ion:178 Resp: 132143

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

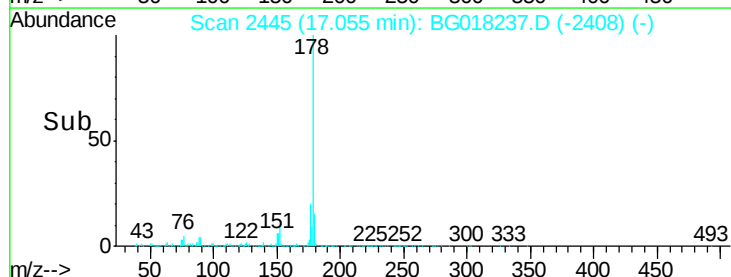
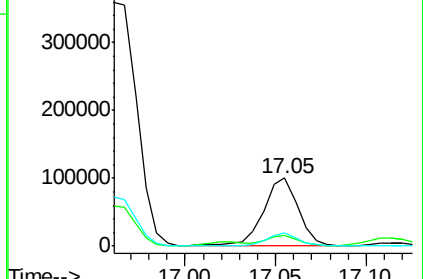
176 19.7 14.8 22.2

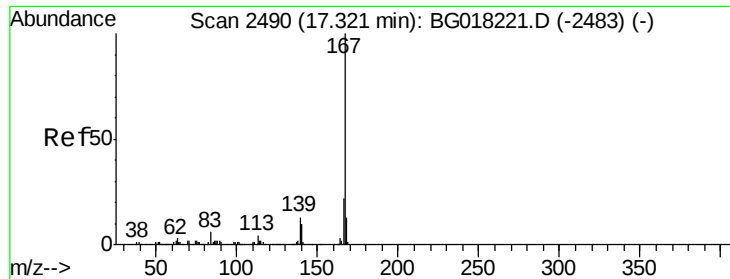


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 3.29 ng/ul

RT: 17.33 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

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ClientSampleId :

C01N7RE

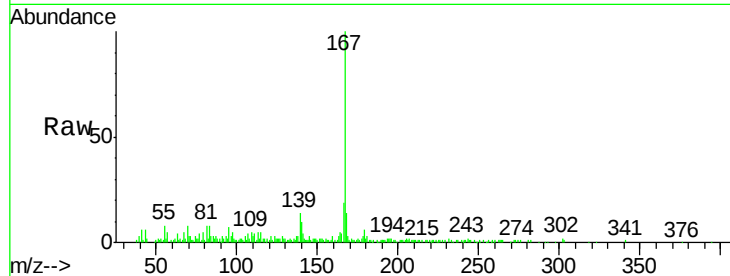
Tgt Ion:167 Resp: 53001

Ion Ratio Lower Upper

167 100

166 19.2 17.5 26.3

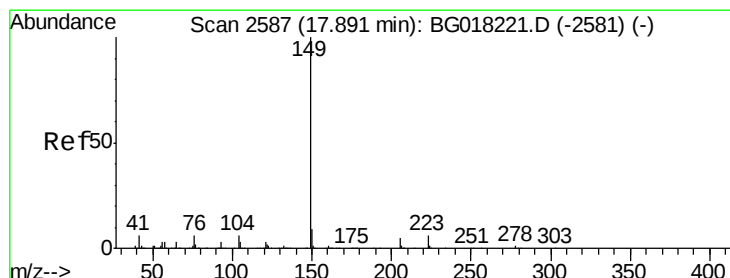
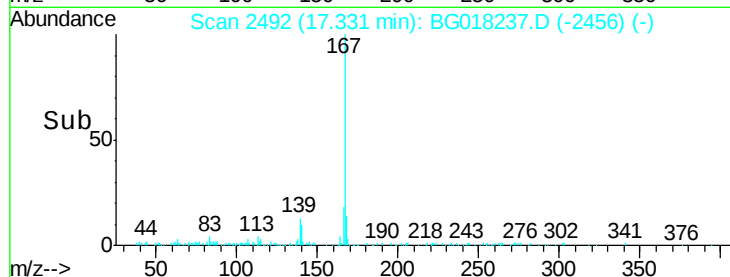
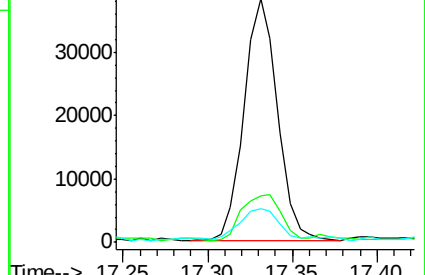
139 14.0 10.1 15.1



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



#76

Di-n-butylphthalate

Concen: 1.53 ng/ul

RT: 17.90 min Scan# 2589

Delta R.T. 0.01 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

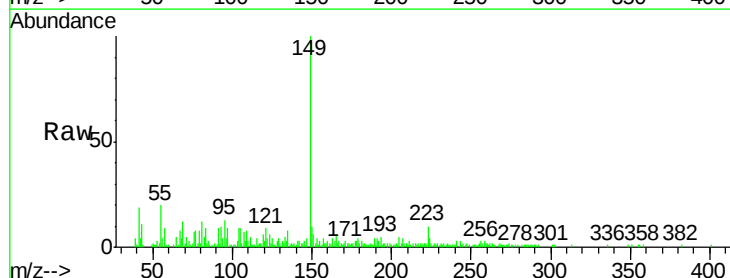
Tgt Ion:149 Resp: 32734

Ion Ratio Lower Upper

149 100

150 10.0 7.7 11.5

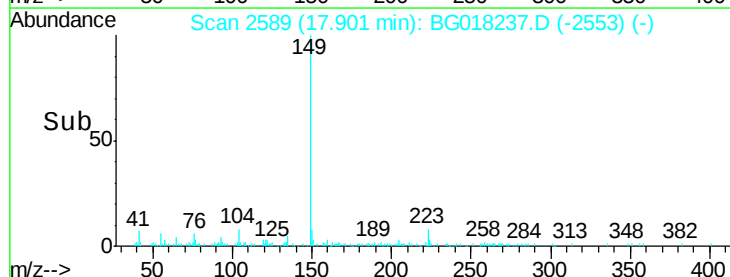
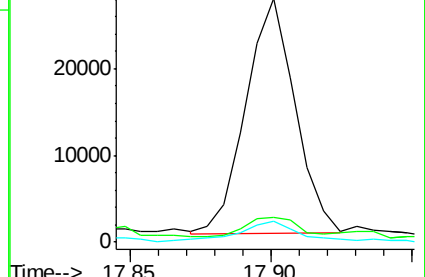
104 8.6 3.6 5.4#

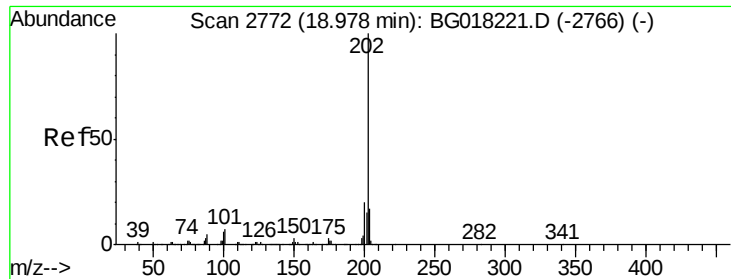


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

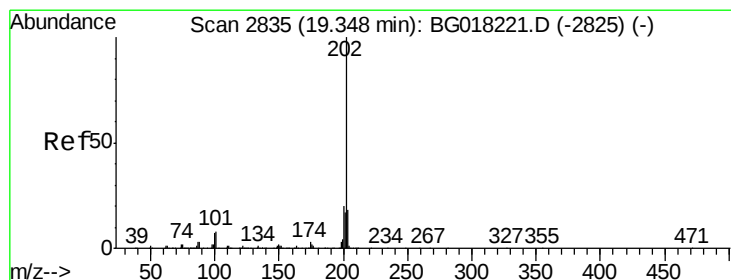
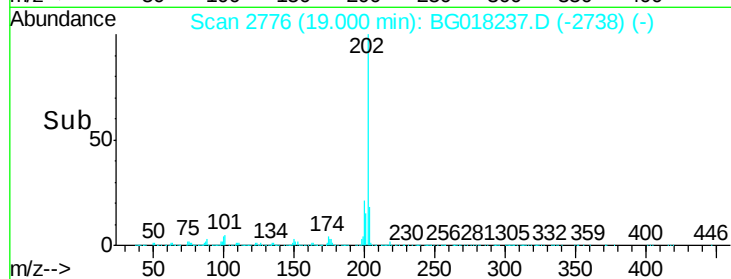
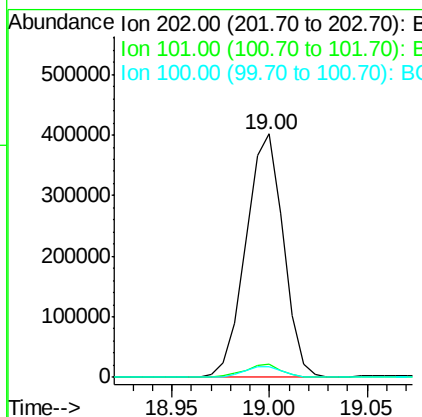
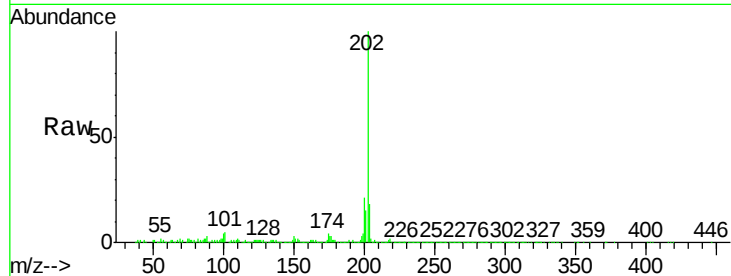




#77
 Fluoranthene
 Concen: 24.84 ng/ul
 RT: 19.00 min Scan# 2776
 Delta R.T. 0.02 min
 Lab File: BG018237.D
 Acq: 2 Aug 2015 21:40

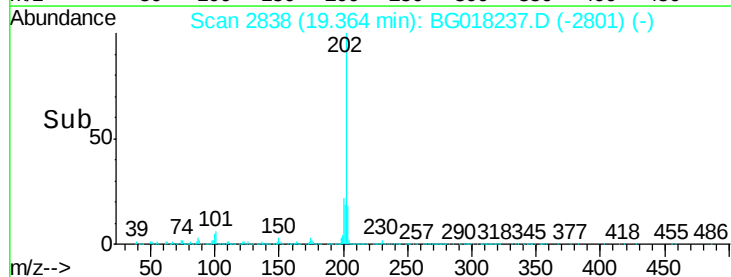
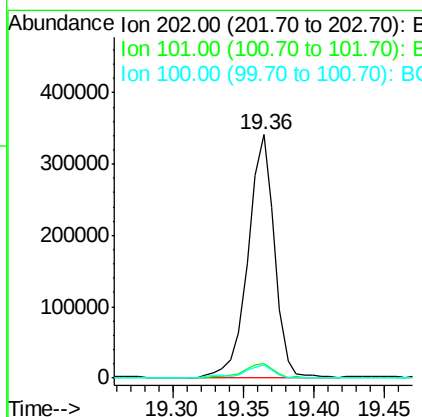
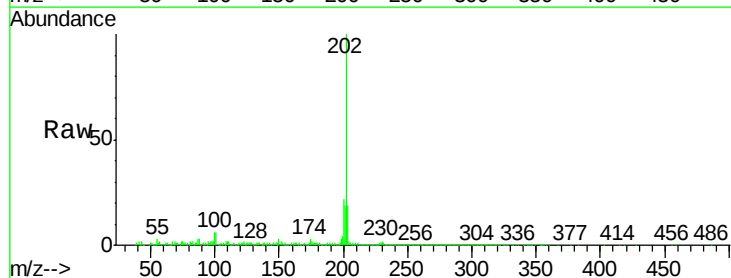
Instrument :
 BNA_G
 ClientSampleId :
 C01N7RE

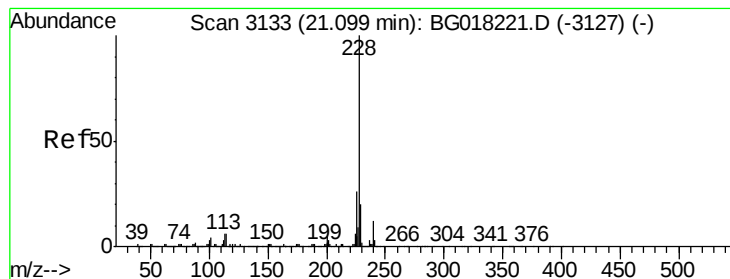
Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.5	7.5	11.3#
100	4.3	5.5	8.3#



#80
 Pyrene
 Concen: 22.76 ng/ul
 RT: 19.36 min Scan# 2838
 Delta R.T. 0.02 min
 Lab File: BG018237.D
 Acq: 2 Aug 2015 21:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.2	8.1	12.1#
100	5.5	7.4	11.0#





#83

Benzo(a)anthracene

Concen: 13.94 ng/ul

RT: 21.12 min Scan# 3137

Delta R.T. 0.02 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

Instrument :

BNA_G

ClientSampleId :

C01N7RE

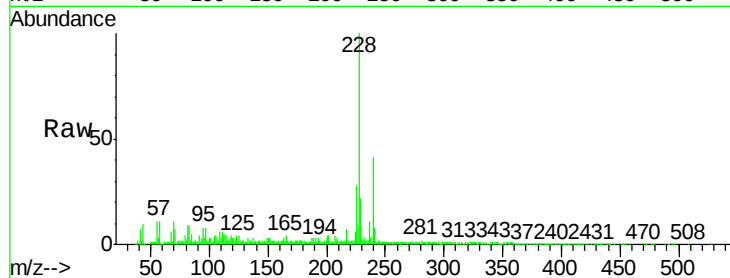
Tgt Ion:228 Resp: 243167

Ion Ratio Lower Upper

228 100

229 21.6 16.5 24.7

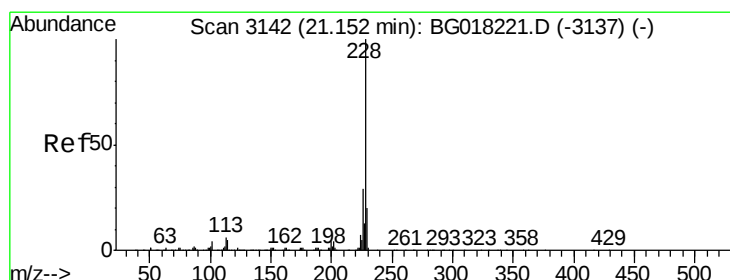
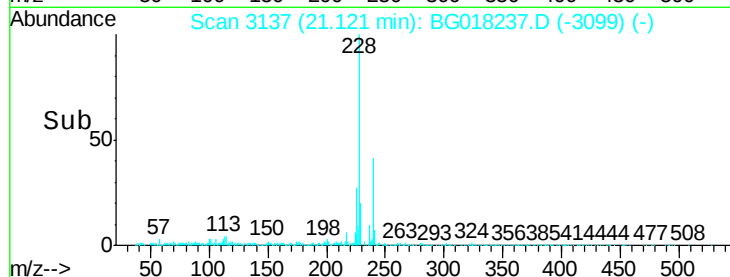
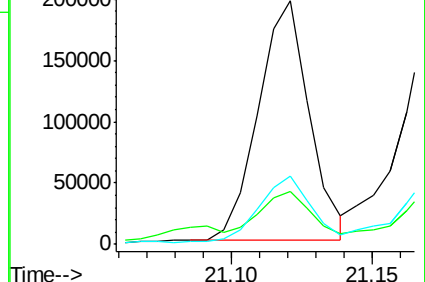
226 27.8 21.5 32.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 14.61 ng/ul

RT: 21.17 min Scan# 3145

Delta R.T. 0.02 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

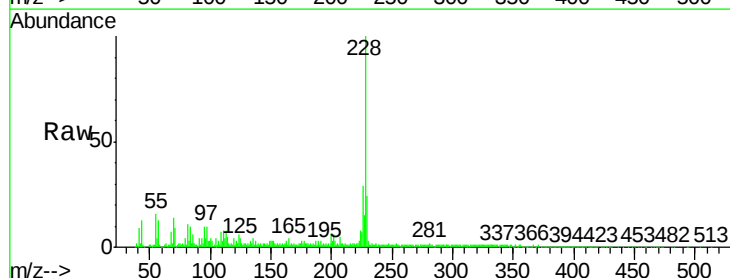
Tgt Ion:228 Resp: 233531

Ion Ratio Lower Upper

228 100

226 28.9 22.7 34.1

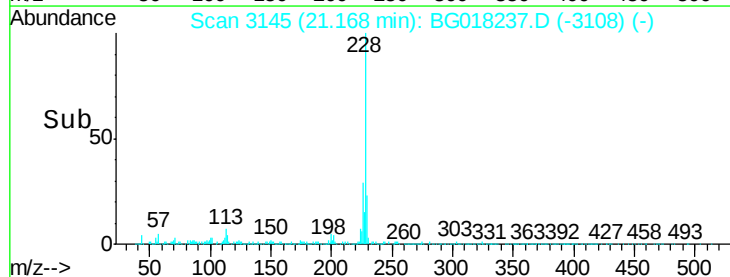
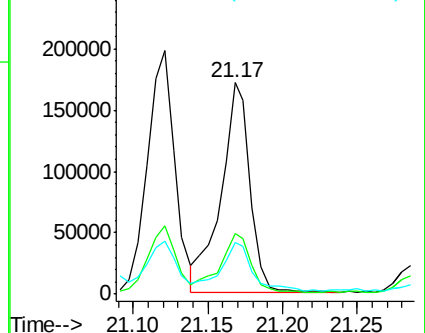
229 24.2 16.2 24.2

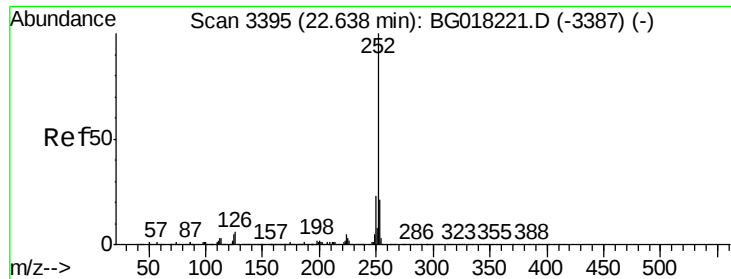


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 18.77 ng/ul

RT: 22.67 min Scan# 3401

Delta R.T. 0.03 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

Instrument :

BNA_G

ClientSampleId :

C01N7RE

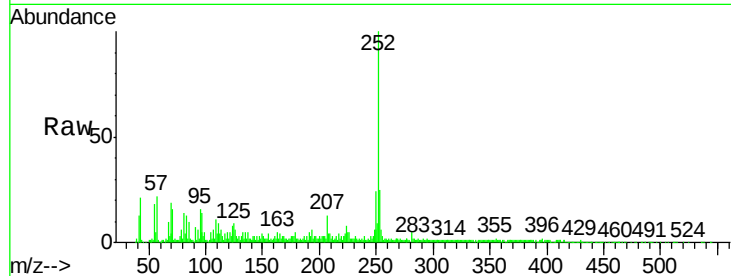
Tgt Ion:252 Resp: 316041

Ion Ratio Lower Upper

252 100

253 24.6 18.5 27.7

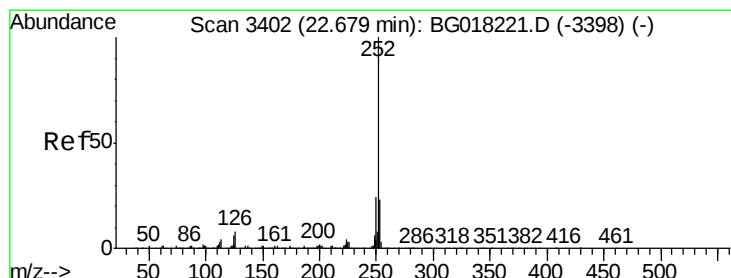
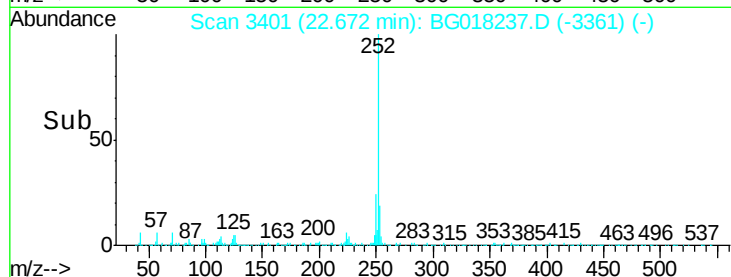
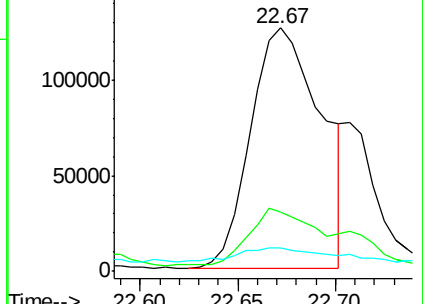
125 9.4 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 20.42 ng/ul

RT: 22.67 min Scan# 3401

Delta R.T. -0.01 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

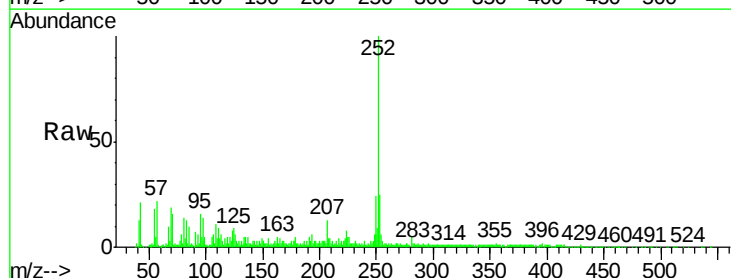
Tgt Ion:252 Resp: 316041

Ion Ratio Lower Upper

252 100

253 24.6 18.2 27.2

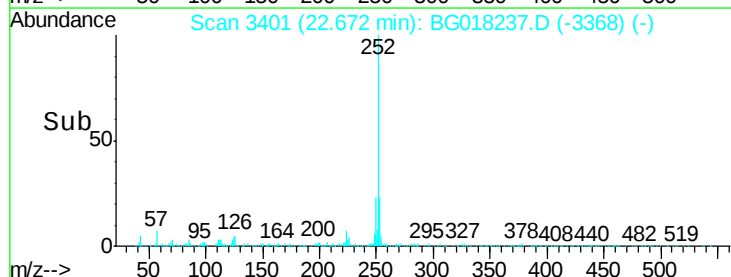
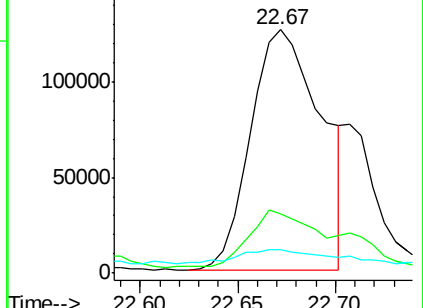
125 9.4 7.5 11.3

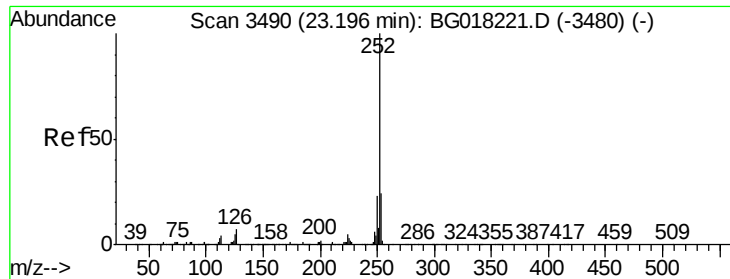


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 12.36 ng/ul

RT: 23.23 min Scan# 3496

Delta R.T. 0.03 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

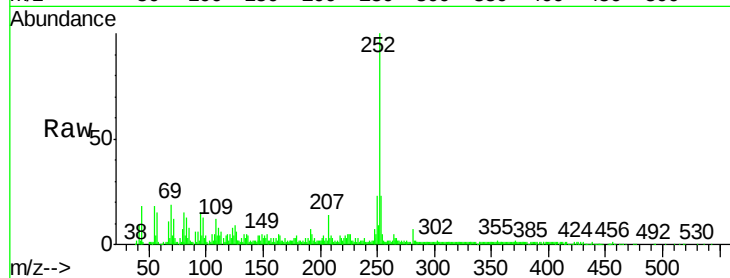
Instrument :

BNA_G

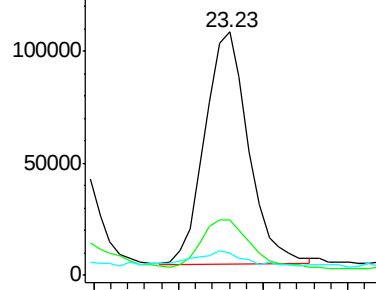
ClientSampleId :

C01N7RE

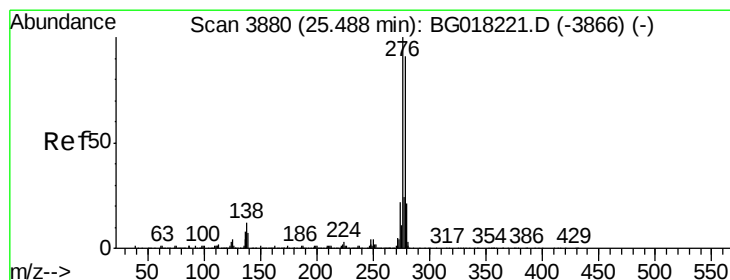
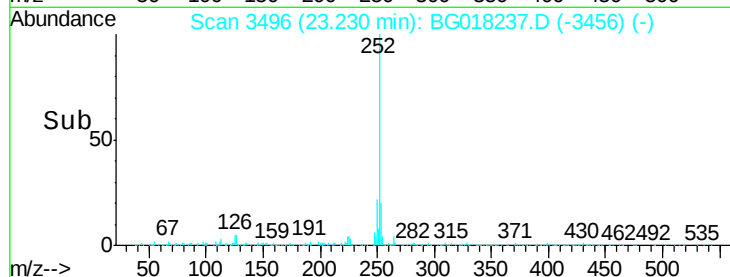
Tgt Ion:	252	Resp:	186241
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	9.1	7.3	10.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#92

Indeno(1,2,3-cd)pyrene

Concen: 4.58 ng/ul

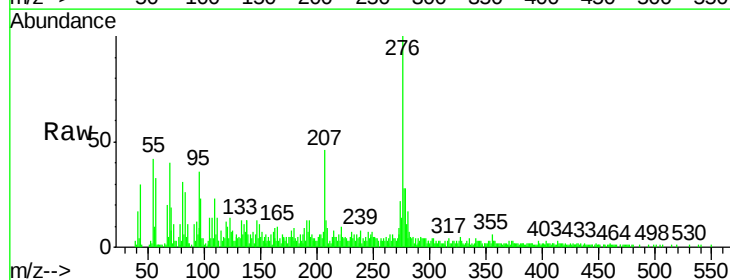
RT: 25.53 min Scan# 3887

Delta R.T. 0.04 min

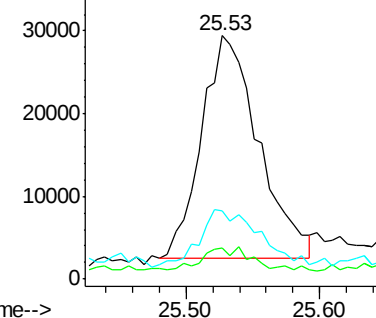
Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

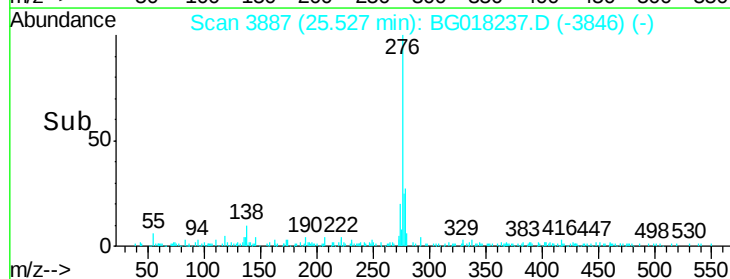
Tgt Ion:	276	Resp:	79876
Ion	Ratio	Lower	Upper
276	100		
138	12.7	17.2	25.8#
277	28.2	19.5	29.3

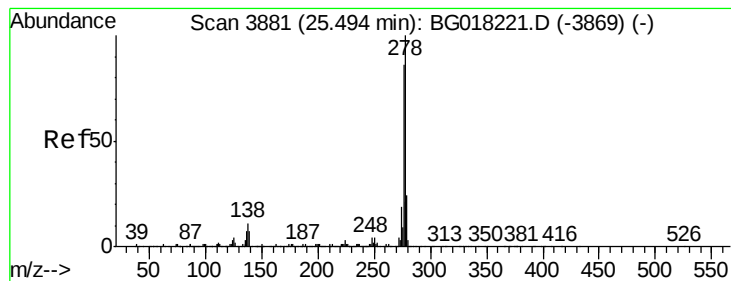


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->





#93

Dibenzo(a,h)anthracene

Concen: 1.55 ng/ul

RT: 25.53 min Scan# 3887

Delta R.T. 0.03 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

Instrument :

BNA_G

ClientSampleId :

C01N7RE

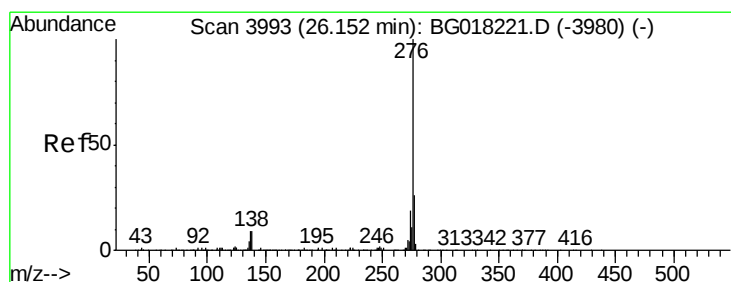
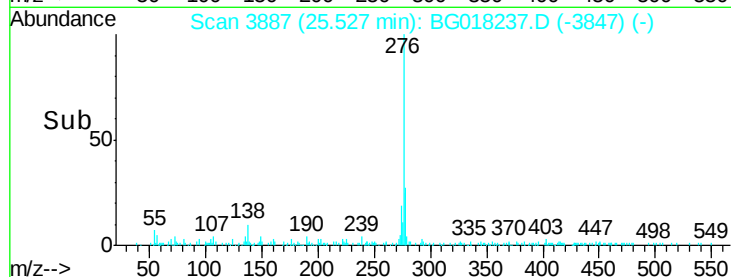
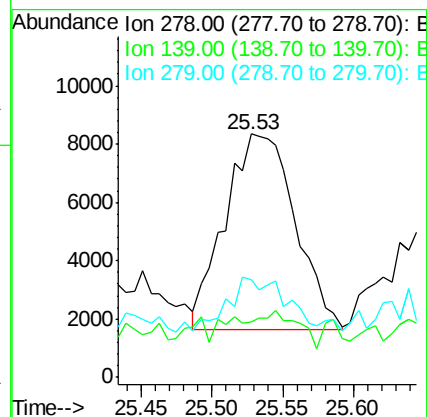
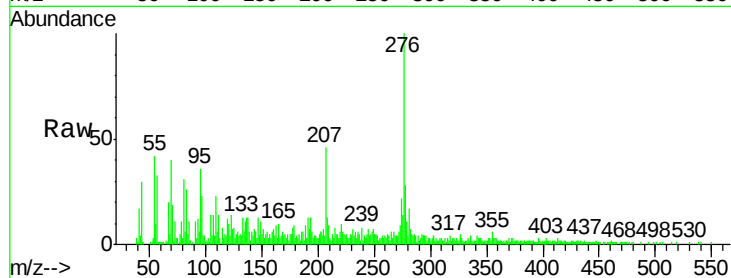
Tgt Ion:278 Resp: 23163

Ion Ratio Lower Upper

278 100

139 22.7 12.2 18.2#

279 40.0 20.0 30.0#



#94

Benzo(g,h,i)perylene

Concen: 4.26 ng/ul

RT: 26.21 min Scan# 4004

Delta R.T. 0.06 min

Lab File: BG018237.D

Acq: 2 Aug 2015 21:40

Tgt Ion:276 Resp: 60588

Ion Ratio Lower Upper

276 100

138 8.8 15.1 22.7#

277 27.3 19.8 29.6

