

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
 Data File : BG018289.D
 Acq On : 6 Aug 2015 2:06
 Operator : UM/TP
 Sample : G3109-15RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01W3RE

Quant Time: Aug 06 05:47:12 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 06 03:42:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	34303	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	165483	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.12	164	100026	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.89	188	147732	20.00	ng/ul	0.01
78) Chrysene-d12	21.11	240	138669	20.00	ng/ul	0.03
86) Perylene-d12	23.28	264	130799	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.90	96	1516	3.81	ng/uL	0.00
5) Phenol-d5	6.65	99	68223	25.29	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.78	67	38032	29.17	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	61528	27.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.18	113	37668	16.54	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	32639	25.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	39784	26.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	59851	21.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.38	131	6124	1.88	ng/ul	0.01
44) Dimethylphthalate-d6	13.54	166	197813	25.57	ng/ul	0.00
47) Acenaphthylene-d8	13.81	160	209997	23.94	ng/ul	0.00
52) 4-Nitrophenol-d4	14.39	143	17506	13.72	ng/ul	0.02
58) Fluorene-d10	15.12	176	146928	21.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.28	200	11070	10.82	ng/ul	0.02
71) Anthracene-d10	16.99	188	155414	23.92	ng/ul	0.01
79) Pyrene-d10	19.31	212	112318	14.47	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.15	264	163786m	24.07	ng/ul	0.04

Target Compounds

						Ovalue
16) 4-Methylphenol	8.24	108	4097	1.67	ng/ul	92
28) Naphthalene	10.27	128	103190	13.27	ng/ul	96
34) 2-Methylnaphthalene	11.90	142	53068	8.50	ng/ul	86
35) 1-Methylnaphthalene	12.13	142	39198	6.50	ng/ul#	86
41) 1,1'-Biphenyl	12.94	154	26067	3.78	ng/ul#	93
45) Dimethylphthalate	13.58	163	78258	10.14	ng/ul	99
48) Acenaphthylene	13.85	152	28192	3.12	ng/ul#	94
50) Acenaphthene	14.19	153	192165	32.87	ng/ul	99
54) Dibenzofuran	14.52	168	155772	18.10	ng/ul	94
59) Fluorene	15.18	166	275257	36.43	ng/ul	98
70) Phenanthrene	16.94	178	2299644m	308.45	ng/ul	
72) Anthracene	17.02	178	549415	73.84	ng/ul	98
75) Carbazole	17.30	167	78084	12.44	ng/ul	95
76) Di-n-butylphthalate	17.87	149	69180	7.86	ng/ul#	93
77) Fluoranthene	18.98	202	1792654	216.78	ng/ul	99
80) Pyrene	19.35	202	1685832	174.84	ng/ul	99
83) Benzo(a)anthracene	21.09	228	865209	118.21	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.03	149	92495m	20.55	ng/ul	
85) Chrysene	21.15	228	747262	113.63	ng/ul	95
88) Benzo(b)fluoranthene	22.64	252	1015627	126.61	ng/ul#	95
89) Benzo(k)fluoranthene	22.67	252	288812m	37.54	ng/ul	
91) Benzo(a)pyrene	23.20	252	700252	99.98	ng/ul#	99
92) Indeno(1,2,3-cd)pyrene	25.49	276	343098	39.60	ng/ul	99

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 03:42:27 2015
Response via : Initial Calibration

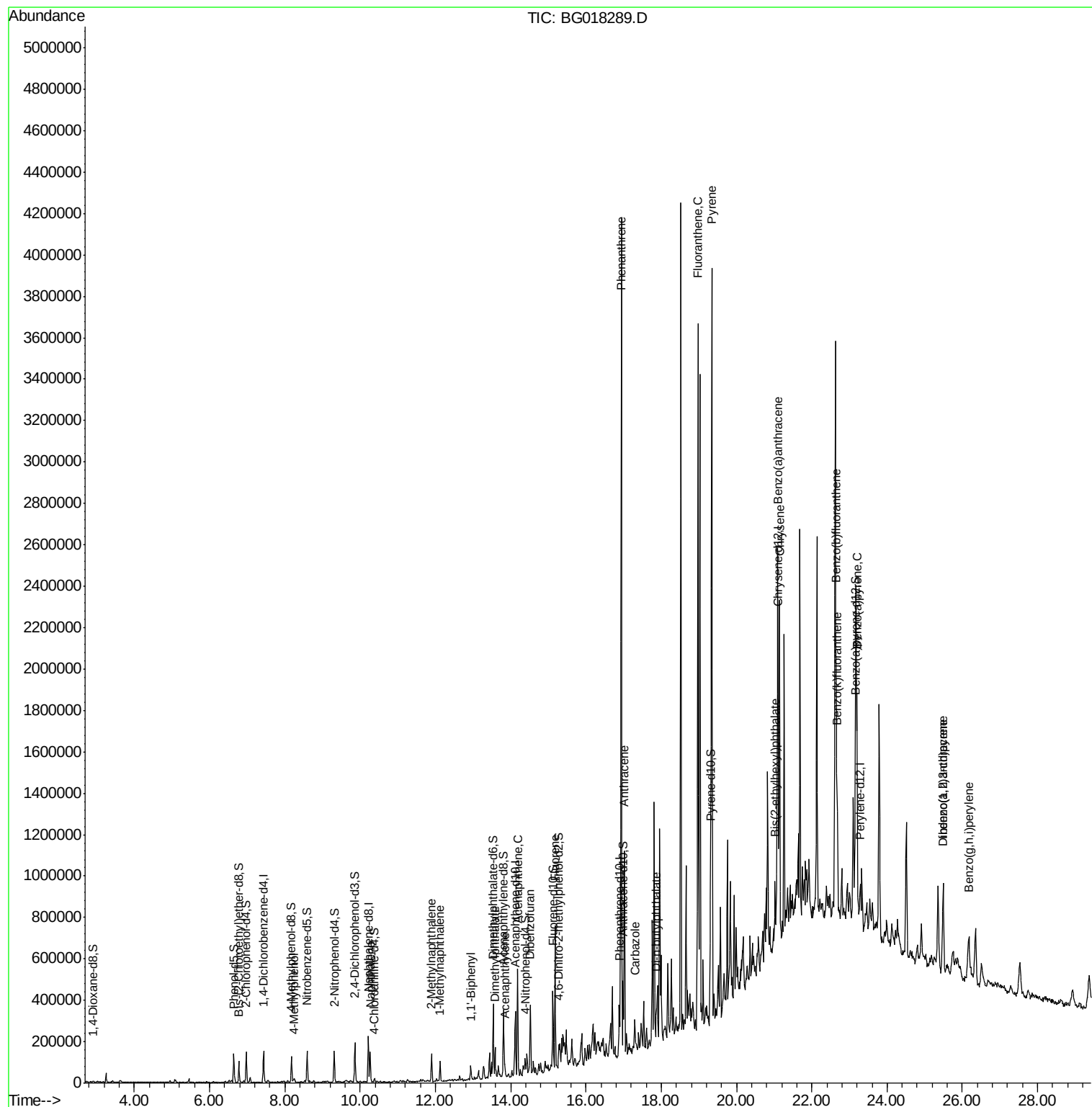
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	25.48	278	106384	13.99	ng/ul#	85
94) Benzo(g,h,i)perylene	26.16	276	279368	39.73	ng/ul	97

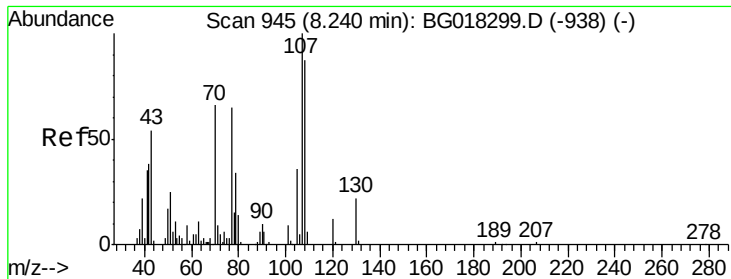
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#16

4-Methylphenol

Concen: 1.67 ng/ul

RT: 8.24 min Scan# 944

Delta R.T. 0.01 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

Instrument :

BNA_G

ClientSampleId :

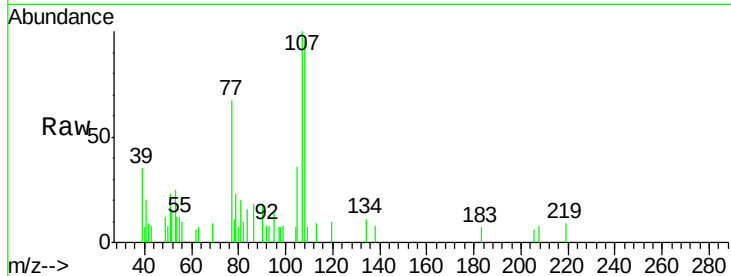
C01W3RE

Tot Ion:108 Resp: 4097

Ion Ratio Lower Upper

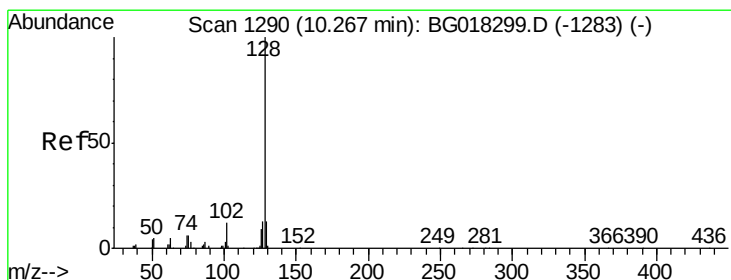
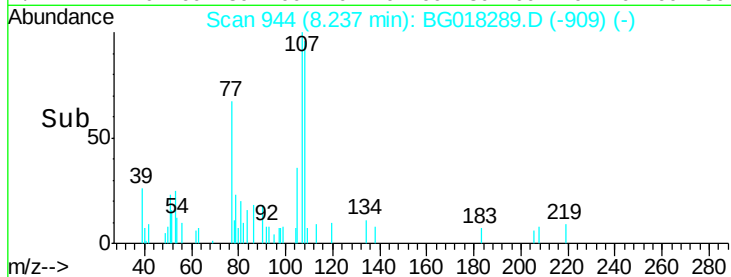
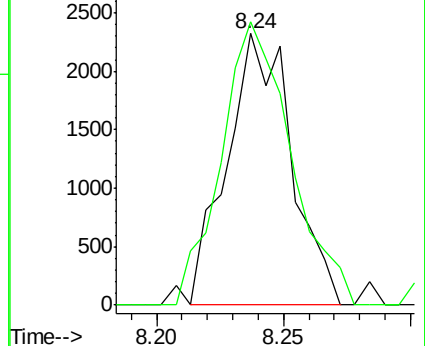
108 100

107 104.4 89.9 134.9



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#28

Naphthalene

Concen: 13.27 ng/ul

RT: 10.27 min Scan# 1290

Delta R.T. 0.01 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

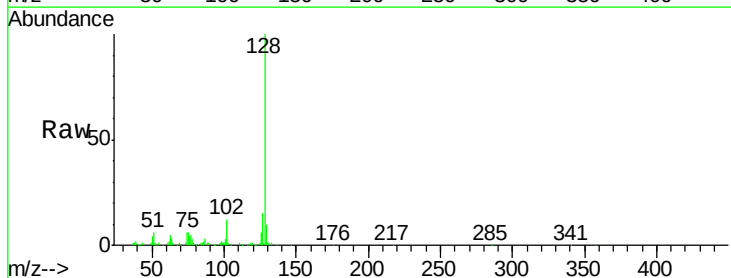
Tgt Ion:128 Resp: 103190

Ion Ratio Lower Upper

128 100

129 10.3 7.8 11.6

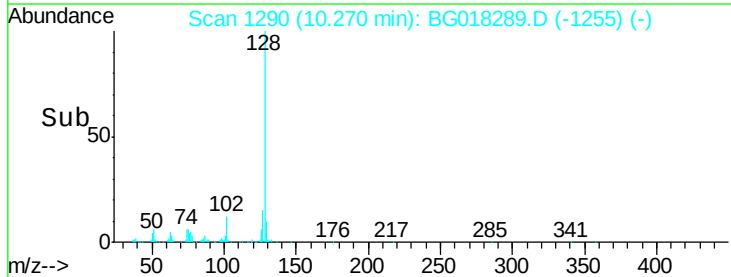
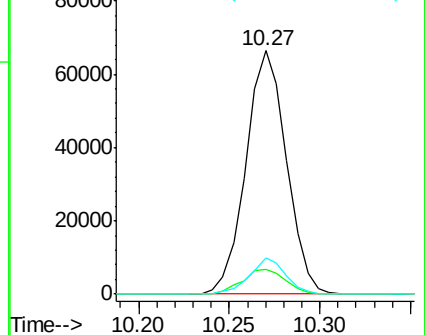
127 14.8 10.2 15.4

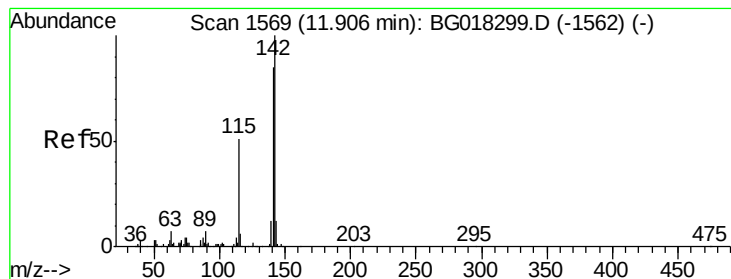


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#34

2-Methylnaphthalene

Concen: 8.50 ng/ul

RT: 11.90 min Scan# 1568

Delta R.T. 0.01 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

Instrument :

BNA_G

ClientSampleId :

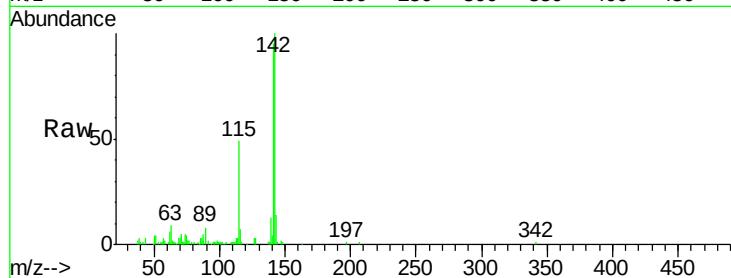
C01W3RE

Tot Ion:142 Resp: 53068

Ion Ratio Lower Upper

142 100

141 94.5 65.9 98.9

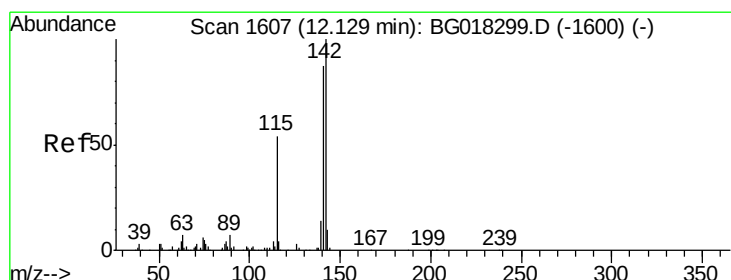
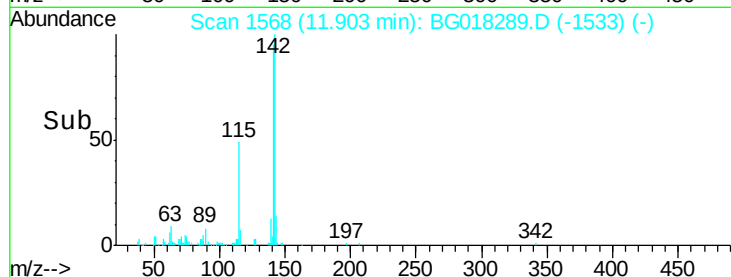


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.90

Time-->



#35

1-Methylnaphthalene

Concen: 6.50 ng/ul

RT: 12.13 min Scan# 1606

Delta R.T. 0.01 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

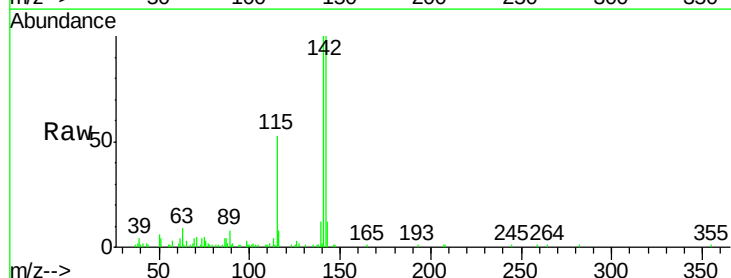
Tgt Ion:142 Resp: 39198

Ion Ratio Lower Upper

142 100

141 99.8 69.0 103.4

116 7.5 4.2 6.4#



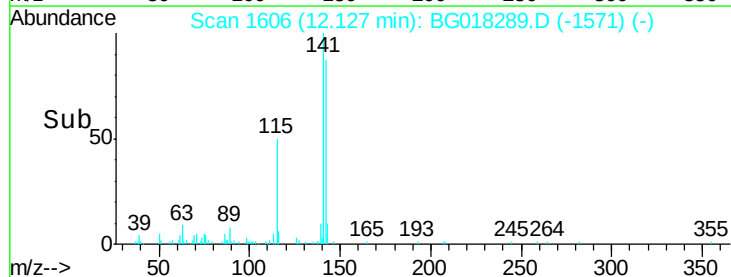
Abundance Ion 142.00 (141.70 to 142.70): E

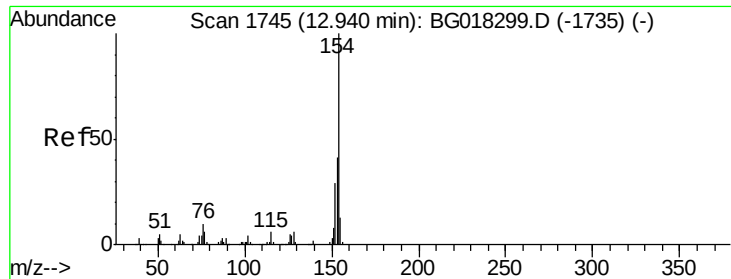
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

12.13

Time-->

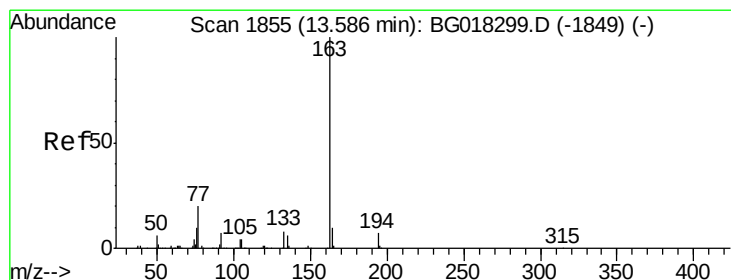
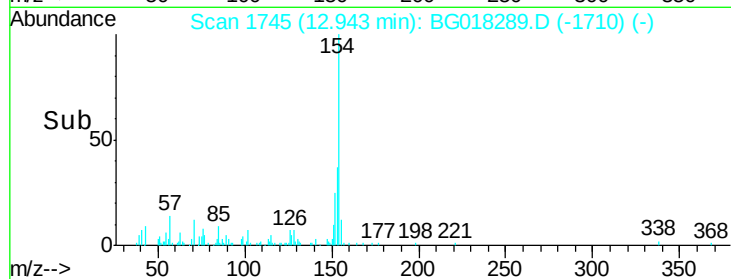
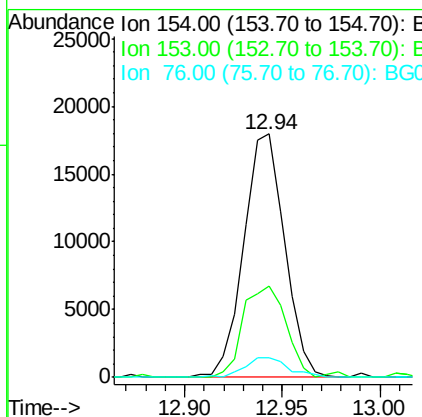
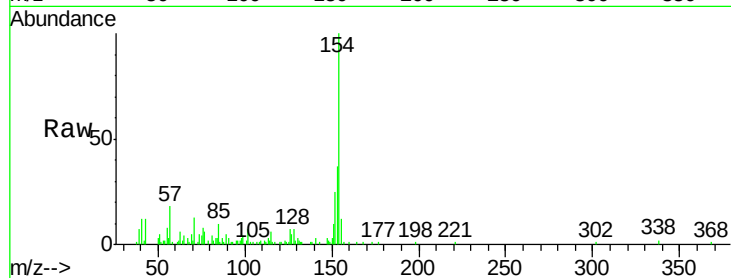




#41
1,1'-Biphenyl
Concen: 3.78 ng/ul
RT: 12.94 min Scan# 1745
Delta R.T. 0.01 min
Lab File: BG018289.D
Acq: 6 Aug 2015 2:06

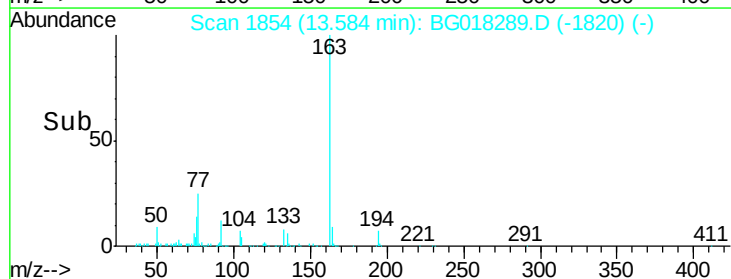
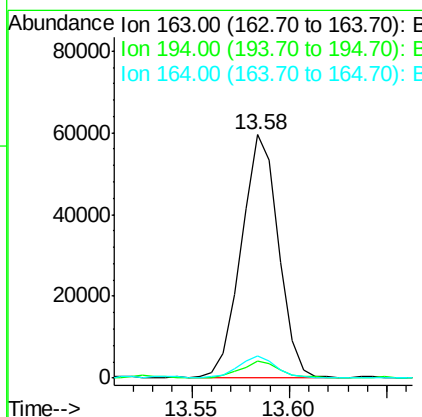
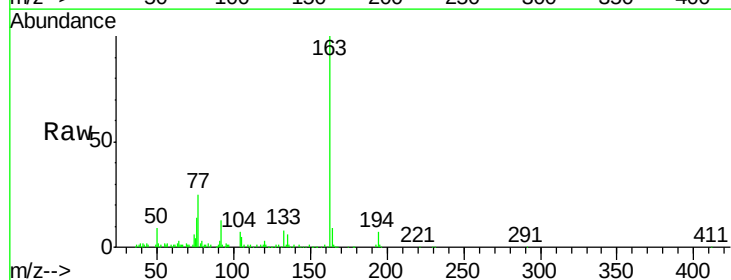
Instrument :
BNA_G
ClientSampleId :
C01W3RE

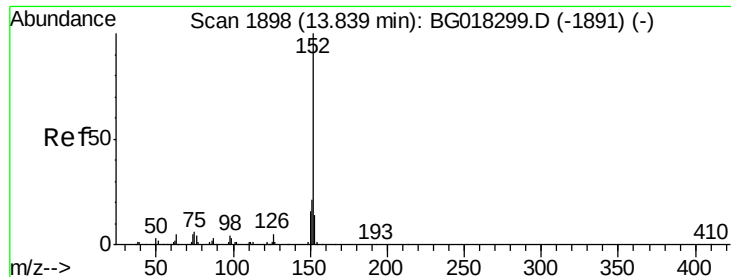
Tot Ion	Ratio	Lower	Upper
154	100		
153	37.3	33.4	50.0
76	7.8	8.6	12.8#



#45
Dimethylphthalate
Concen: 10.14 ng/ul
RT: 13.58 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BG018289.D
Acq: 6 Aug 2015 2:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	7.0	5.4	8.2
164	9.2	7.8	11.8





#48

Acenaphthylene

Concen: 3.12 ng/ul

RT: 13.85 min Scan# 1899

Delta R.T. 0.01 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

Instrument :

BNA_G

ClientSampleId :

C01W3RE

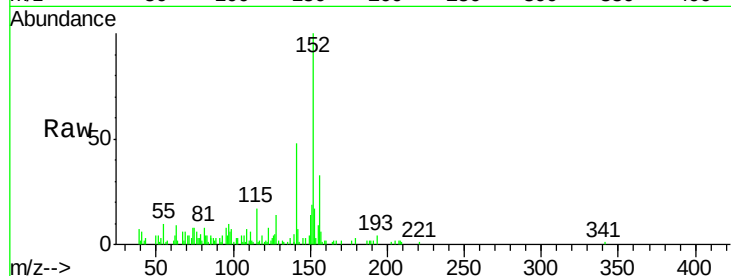
Tot Ion:152 Resp: 28192

Ion Ratio Lower Upper

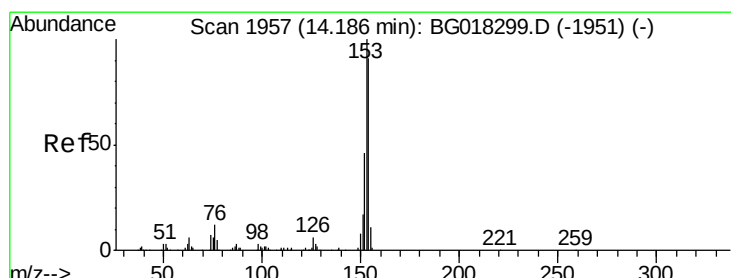
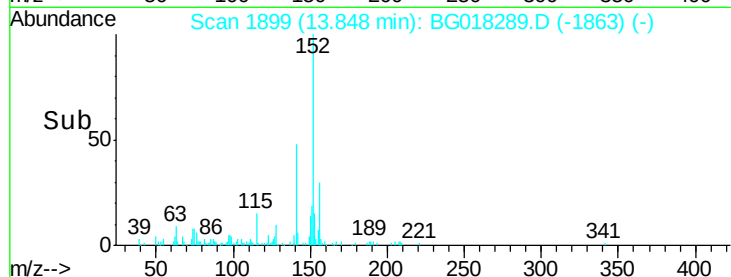
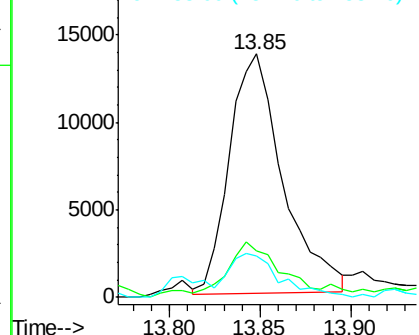
152 100

151 19.3 16.5 24.7

153 16.8 9.8 14.6#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 32.87 ng/ul

RT: 14.19 min Scan# 1957

Delta R.T. 0.01 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

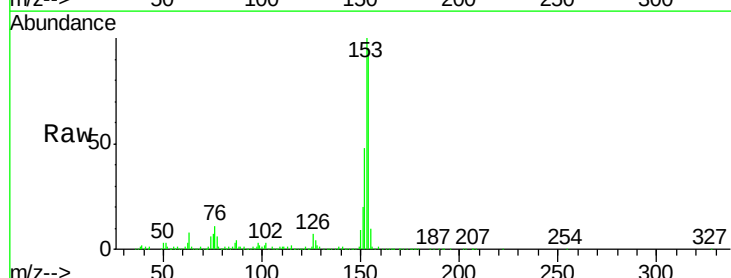
Tgt Ion:153 Resp: 192165

Ion Ratio Lower Upper

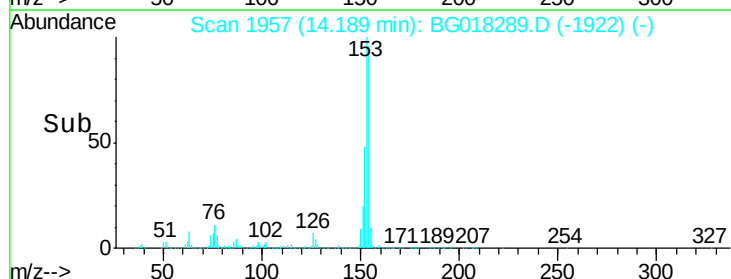
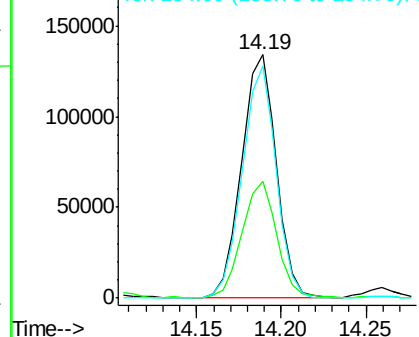
153 100

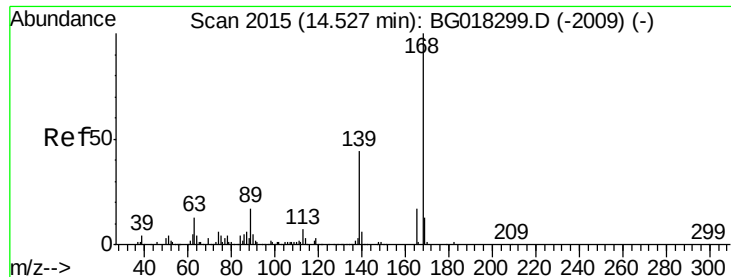
152 47.8 39.0 58.4

154 95.5 77.4 116.2



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

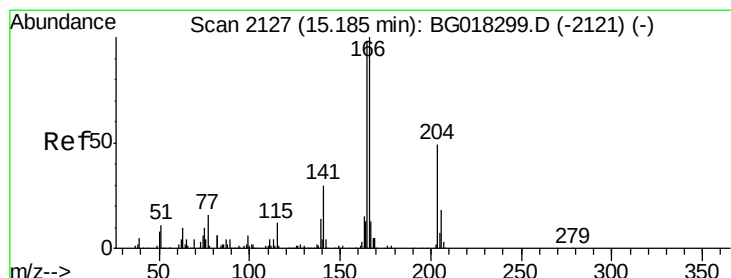
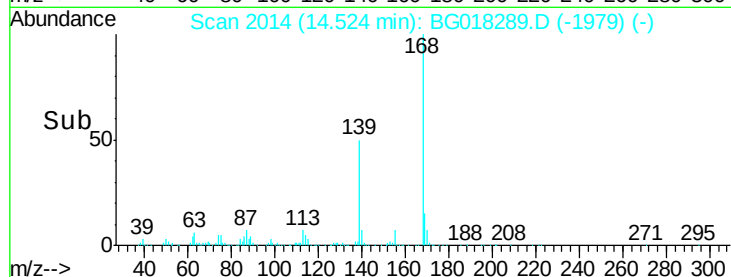
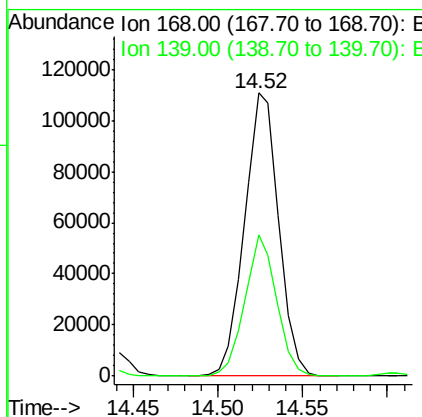
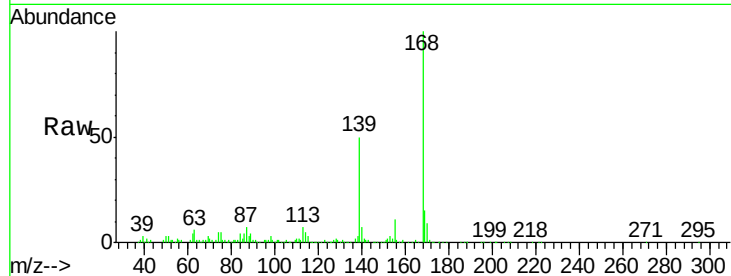




#54
Dibenzenofuran
Concen: 18.10 ng/ul
RT: 14.52 min Scan# 2014
Delta R.T. 0.01 min
Lab File: BG018289.D
Acq: 6 Aug 2015 2:06

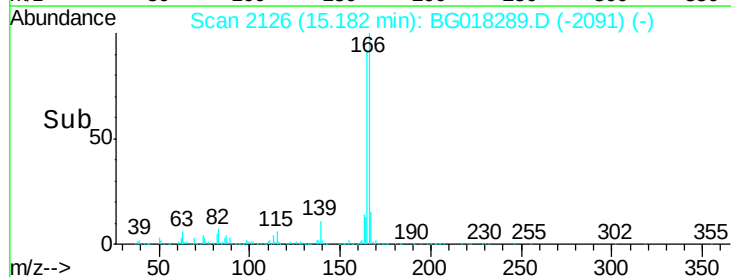
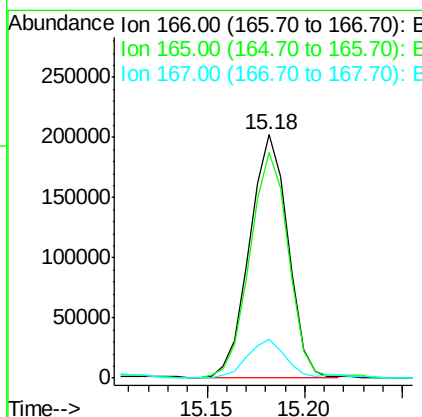
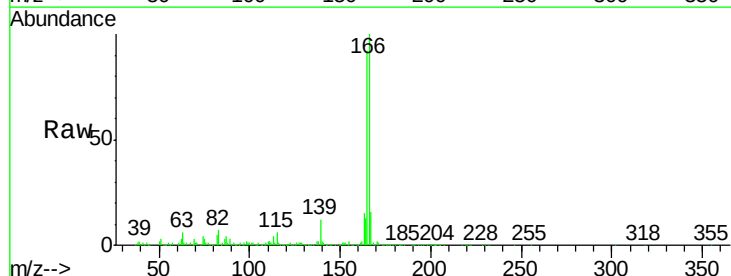
Instrument :
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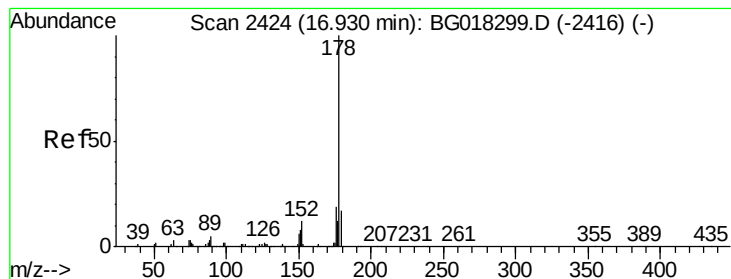
Tot Ion:168 Resp: 155772
Ion Ratio Lower Upper
168 100
139 50.1 37.1 55.7



#59
Fluorene
Concen: 36.43 ng/ul
RT: 15.18 min Scan# 2126
Delta R.T. 0.01 min
Lab File: BG018289.D
Acq: 6 Aug 2015 2:06

Tgt Ion:166 Resp: 275257
Ion Ratio Lower Upper
166 100
165 92.4 72.4 108.6
167 16.1 11.4 17.0





#70

Phenanthrene

Concen: 308.45 ng/ul m

RT: 16.94 min Scan# 2426

Delta R.T. 0.03 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

Instrument :

BNA_G

ClientSampleId :

C01W3RE

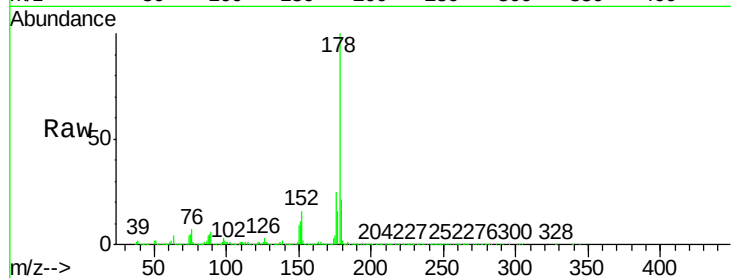
Tot Ion:178 Resp: 2299644

Ion Ratio Lower Upper

178 100

179 21.2 12.2 18.4#

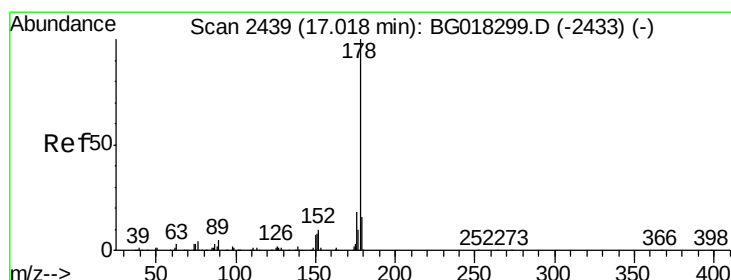
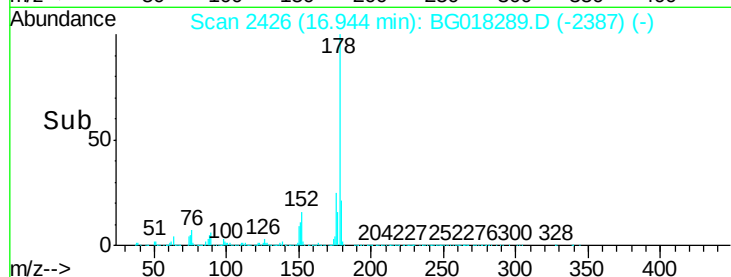
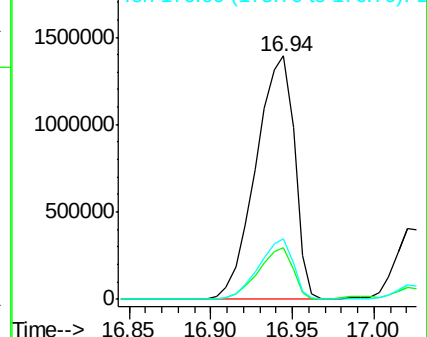
176 25.0 14.5 21.7#



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: 73.84 ng/ul

RT: 17.02 min Scan# 2439

Delta R.T. 0.01 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

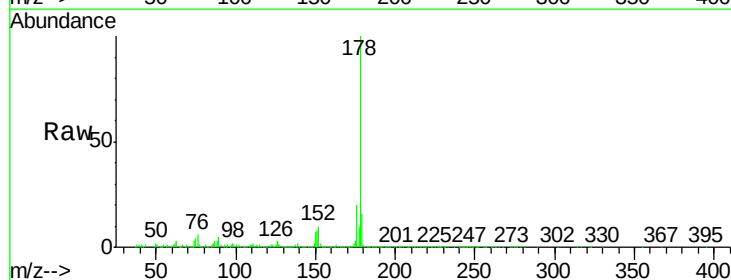
Tgt Ion:178 Resp: 549415

Ion Ratio Lower Upper

178 100

179 16.5 12.2 18.4

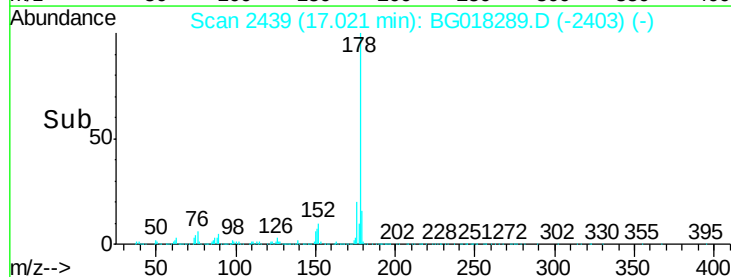
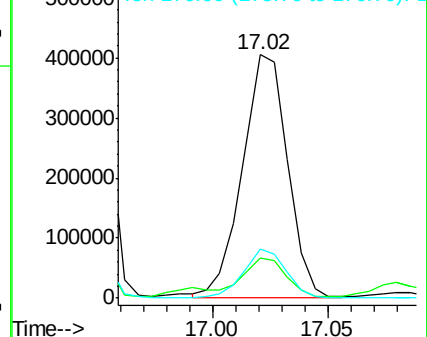
176 20.1 15.3 22.9

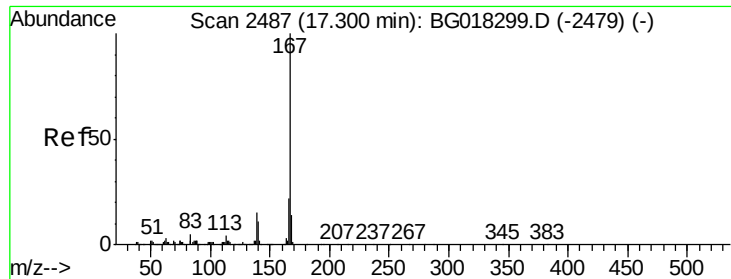


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 12.44 ng/ul

RT: 17.30 min Scan# 2486

Delta R.T. 0.01 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

Instrument :

BNA_G

ClientSampleId :

C01W3RE

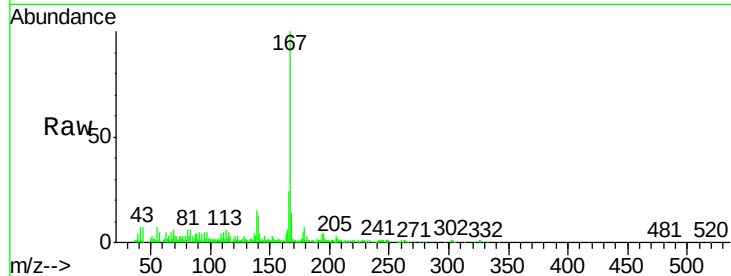
Tot Ion:167 Resp: 78084

Ion Ratio Lower Upper

167 100

166 24.4 17.8 26.8

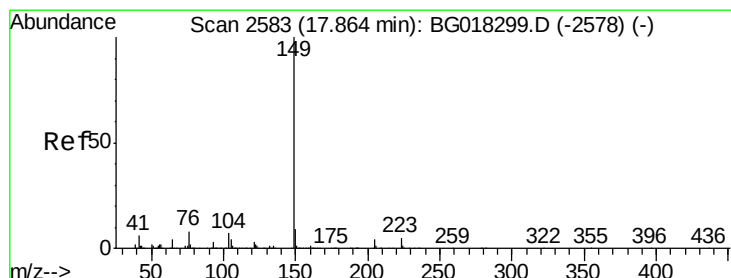
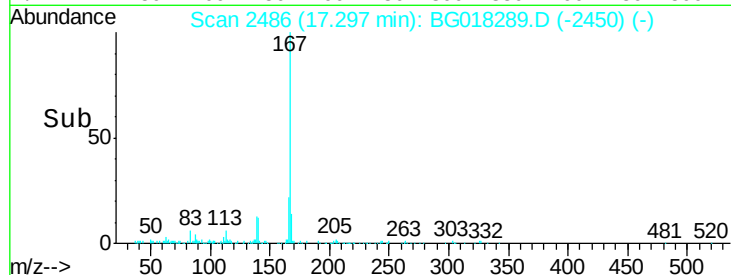
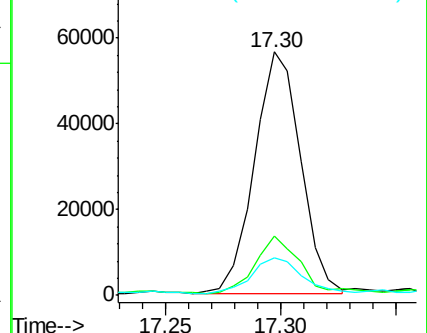
139 15.5 10.6 16.0



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: 7.86 ng/ul

RT: 17.87 min Scan# 2583

Delta R.T. 0.01 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

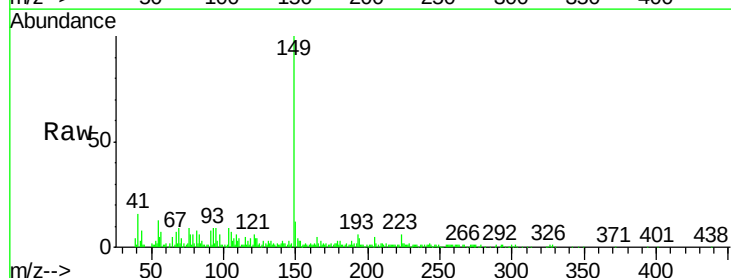
Tgt Ion:149 Resp: 69180

Ion Ratio Lower Upper

149 100

150 12.5 7.4 11.2#

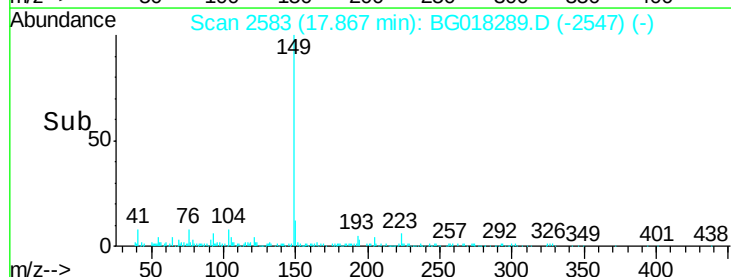
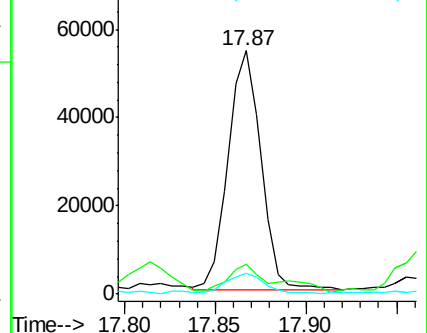
104 8.7 5.5 8.3#

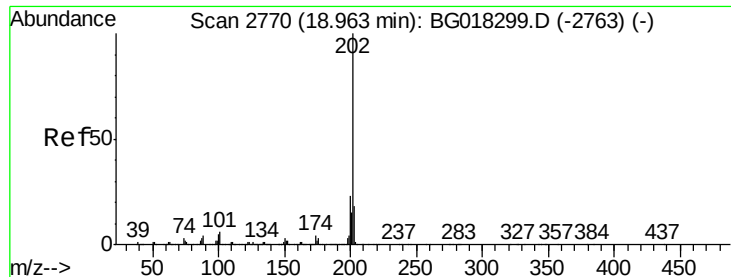


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#77

Fluoranthene

Concen: 216.78 ng/ul

RT: 18.98 min Scan# 2772

Delta R.T. 0.03 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

Instrument :

BNA_G

ClientSampleId :

C01W3RE

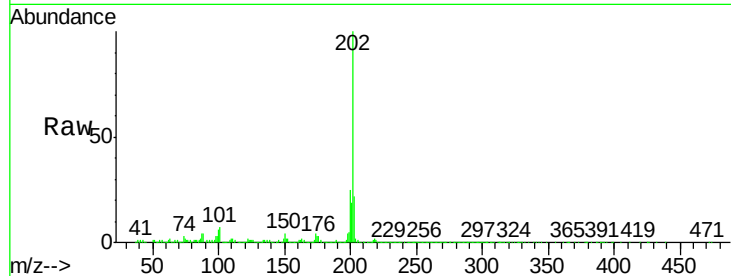
Tot Ion:202 Resp: 1792654

Ion Ratio Lower Upper

202 100

101 7.4 6.2 9.2

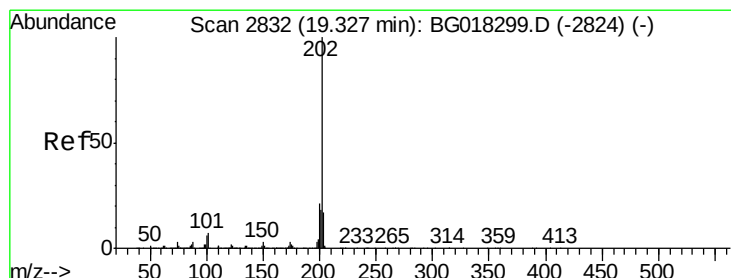
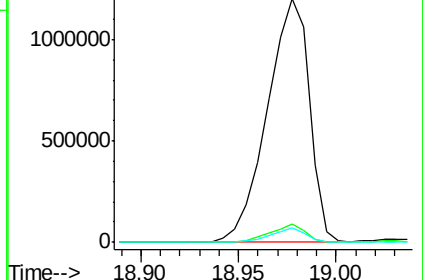
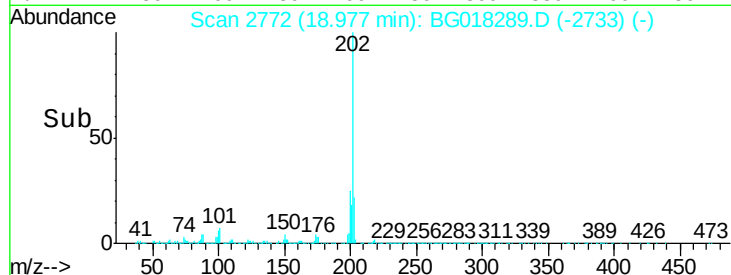
100 5.8 4.6 6.8



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): B



#80

Pyrene

Concen: 174.84 ng/ul

RT: 19.35 min Scan# 2835

Delta R.T. 0.04 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

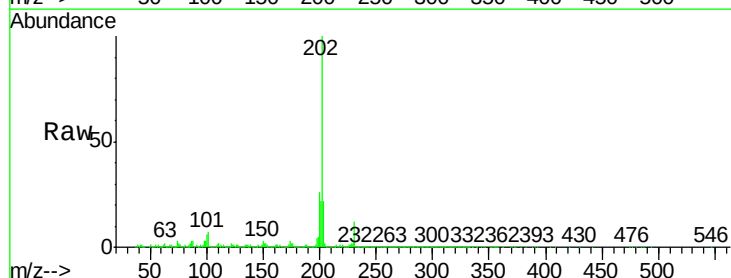
Tgt Ion:202 Resp: 1685832

Ion Ratio Lower Upper

202 100

101 7.1 6.2 9.2

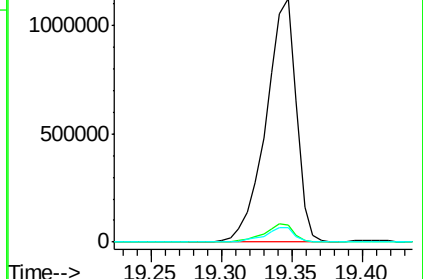
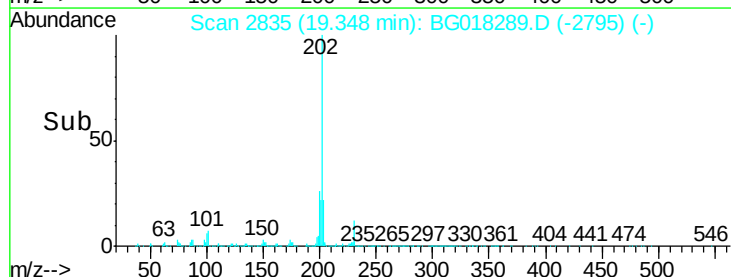
100 5.8 4.6 7.0

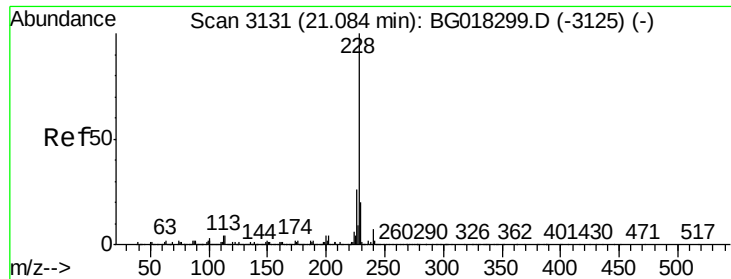


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

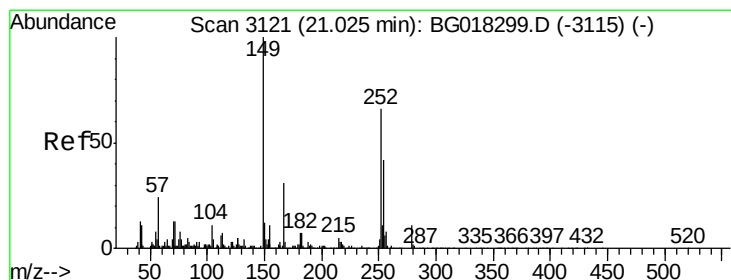
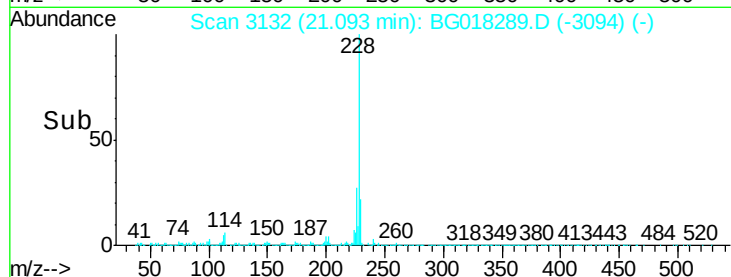
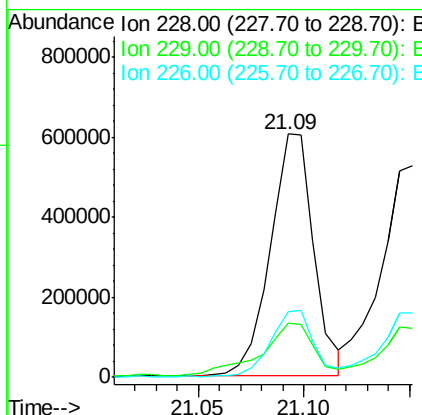
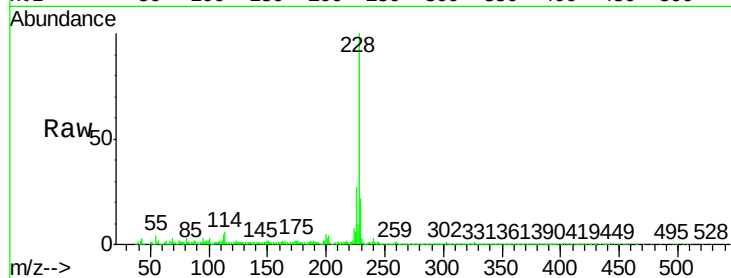




#83
Benzo(a)anthracene
Concen: 118.21 ng/ul
RT: 21.09 min Scan# 3132
Delta R.T. 0.03 min
Lab File: BG018289.D
Acq: 6 Aug 2015 2:06

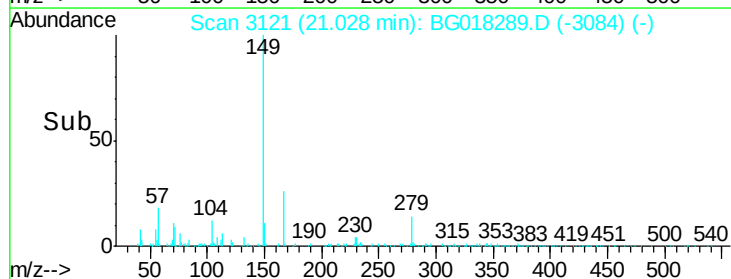
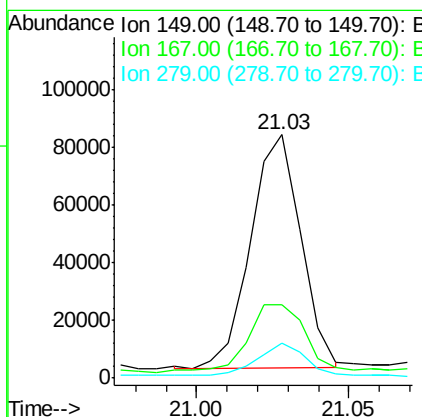
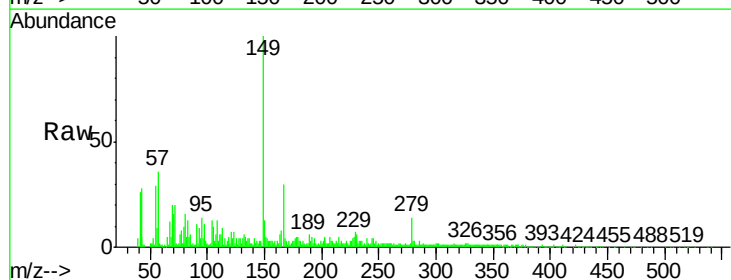
Instrument :
BNA_G
ClientSampleId :
C01W3RE

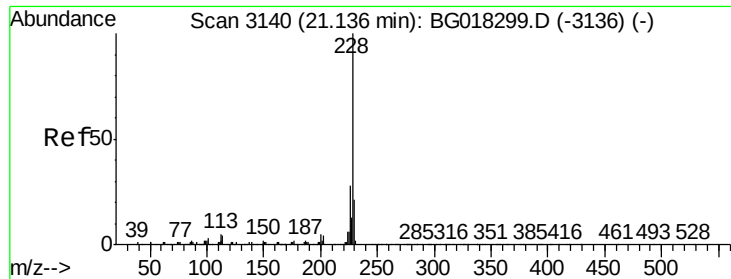
Tot Ion:228 Resp: 865209
Ion Ratio Lower Upper
228 100
229 22.3 16.3 24.5
226 27.1 21.2 31.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 20.55 ng/ul m
RT: 21.03 min Scan# 3121
Delta R.T. 0.02 min
Lab File: BG018289.D
Acq: 6 Aug 2015 2:06

Tgt Ion:149 Resp: 92495
Ion Ratio Lower Upper
149 100
167 29.9 26.4 39.6
279 14.4 8.6 12.8#

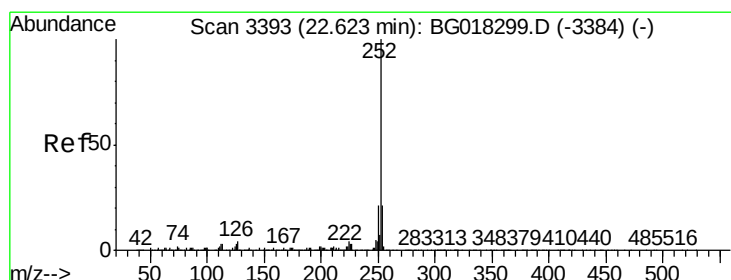
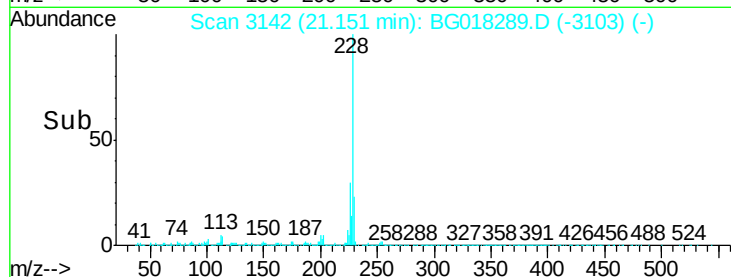
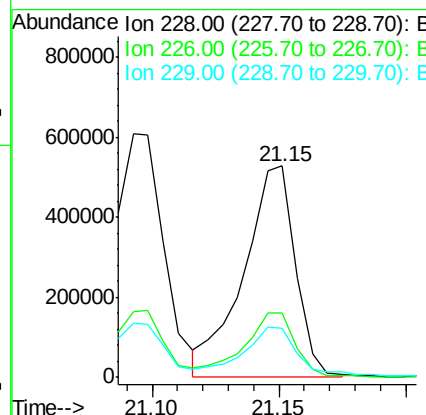
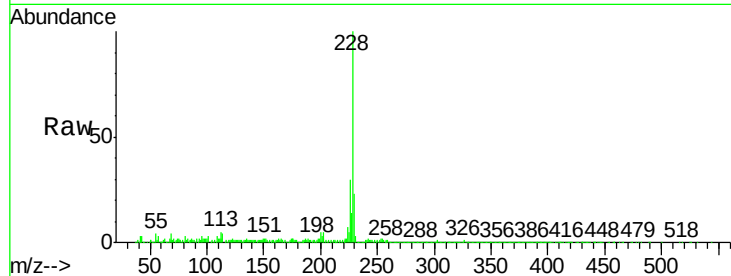




#85
Chrysene
Concen: 113.63 ng/ul
RT: 21.15 min Scan# 3142
Delta R.T. 0.03 min
Lab File: BG018289.D
Acq: 6 Aug 2015 2:06

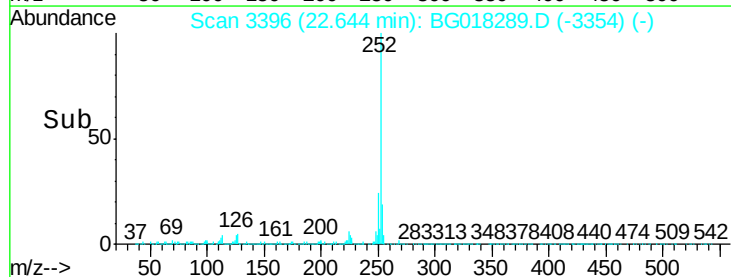
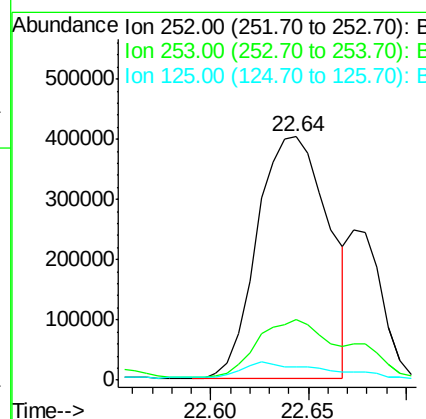
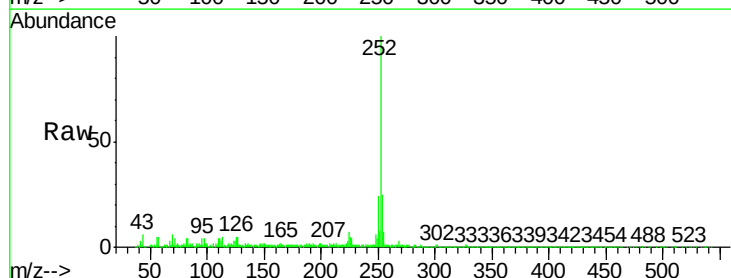
Instrument :
BNA_G
ClientSampleId :
C01W3RE

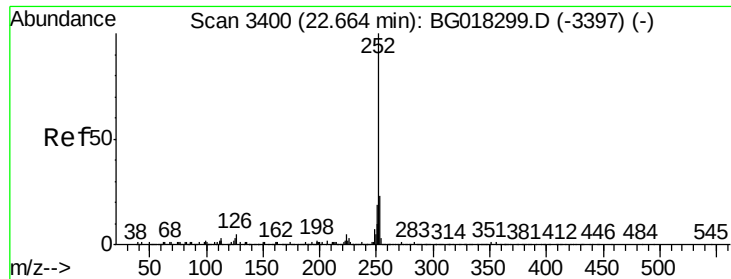
Tot Ion:228 Resp: 747262
Ion Ratio Lower Upper
228 100
226 30.5 23.0 34.6
229 23.5 15.9 23.9



#88
Benzo(b)fluoranthene
Concen: 126.61 ng/ul
RT: 22.64 min Scan# 3396
Delta R.T. 0.05 min
Lab File: BG018289.D
Acq: 6 Aug 2015 2:06

Tgt Ion:252 Resp: 1015627
Ion Ratio Lower Upper
252 100
253 24.9 18.1 27.1
125 5.3 3.1 4.7#





#89

Benzo(k)fluoranthene

Concen: 37.54 ng/ul m

RT: 22.67 min Scan# 3401

Delta R.T. 0.04 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

Instrument :

BNA_G

ClientSampleId :

C01W3RE

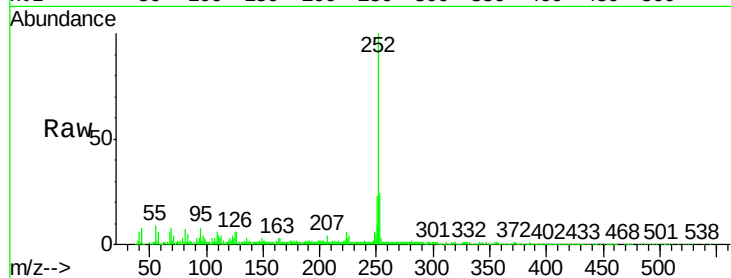
Tot Ion:252 Resp: 288812

Ion Ratio Lower Upper

252 100

253 23.8 16.4 24.6

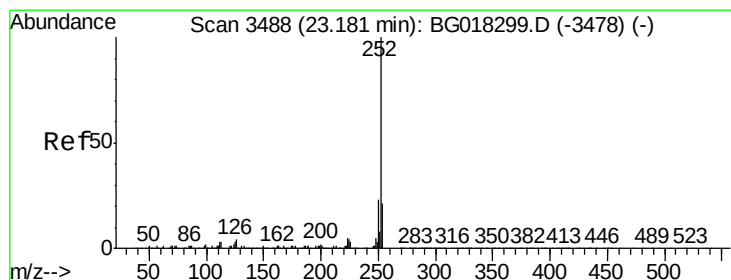
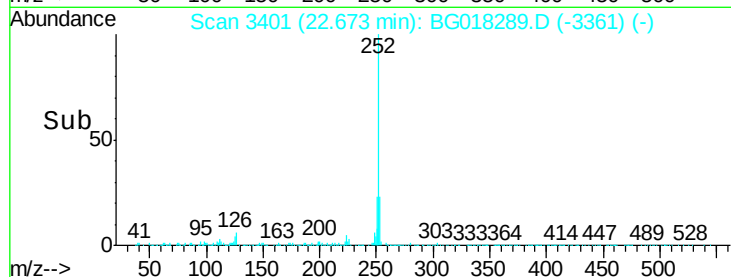
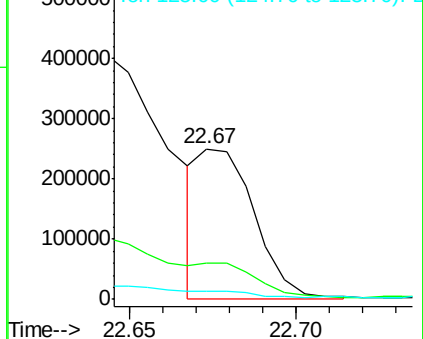
125 5.8 3.4 5.2#



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: 99.98 ng/ul

RT: 23.20 min Scan# 3491

Delta R.T. 0.06 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

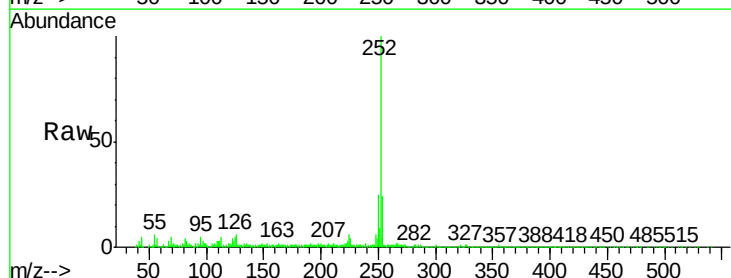
Tgt Ion:252 Resp: 700252

Ion Ratio Lower Upper

252 100

253 23.8 18.9 28.3

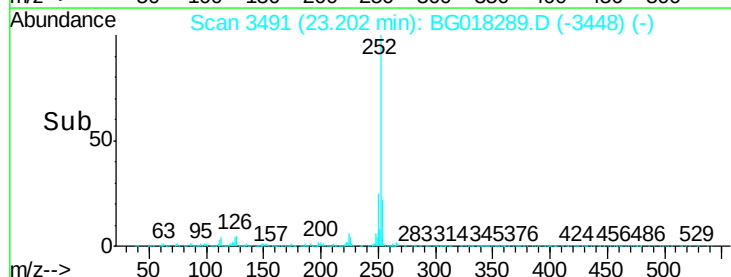
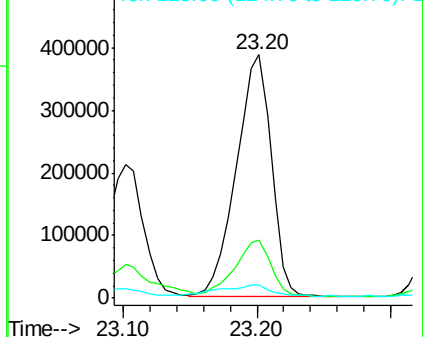
125 5.3 3.2 4.8#

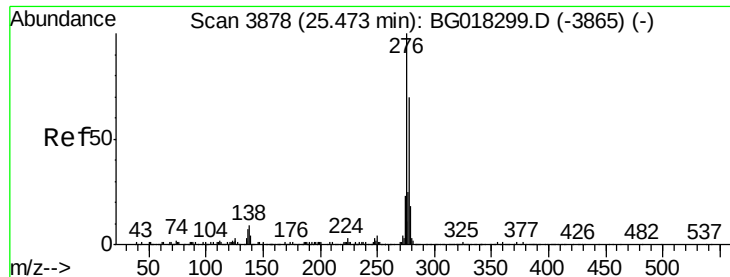


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 39.60 ng/ul

RT: 25.49 min Scan# 3881

Delta R.T. 0.08 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

Instrument :

BNA_G

ClientSampleId :

C01W3RE

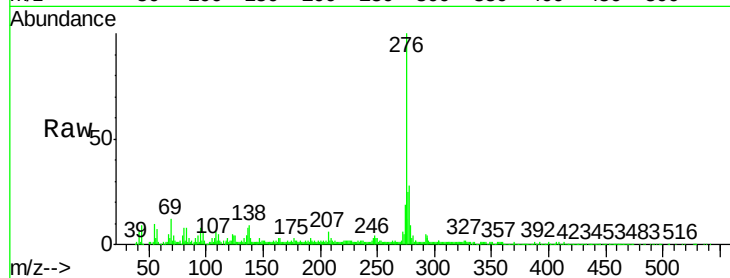
Tot Ion:276 Resp: 343098

Ion Ratio Lower Upper

276 100

138 8.9 8.2 12.4

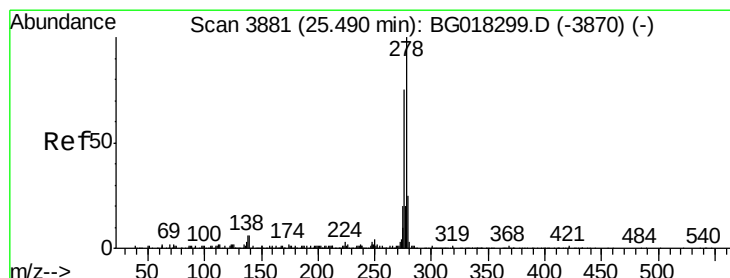
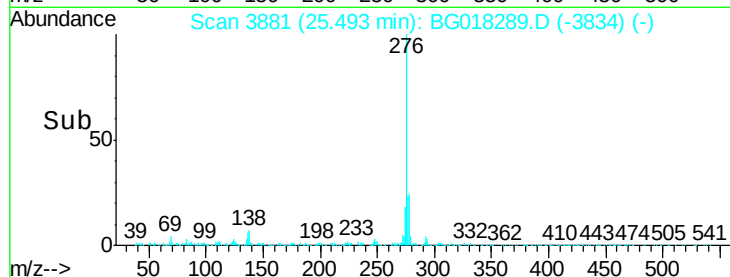
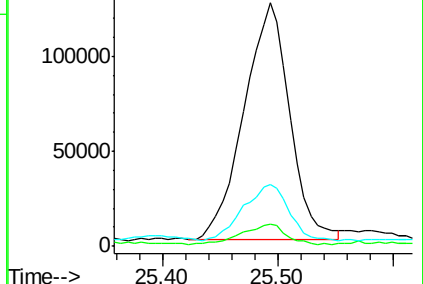
277 25.2 20.1 30.1



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



#93

Dibenzo(a,h)anthracene

Concen: 13.99 ng/ul

RT: 25.48 min Scan# 3879

Delta R.T. 0.06 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

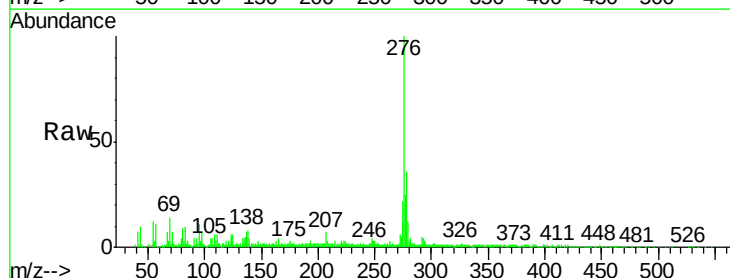
Tgt Ion:278 Resp: 106384

Ion Ratio Lower Upper

278 100

139 11.6 5.8 8.8#

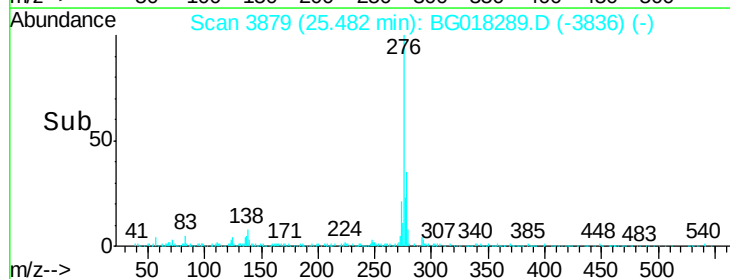
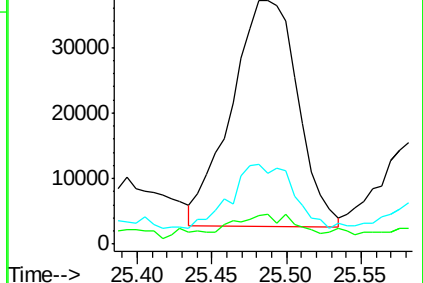
279 32.8 19.8 29.6#

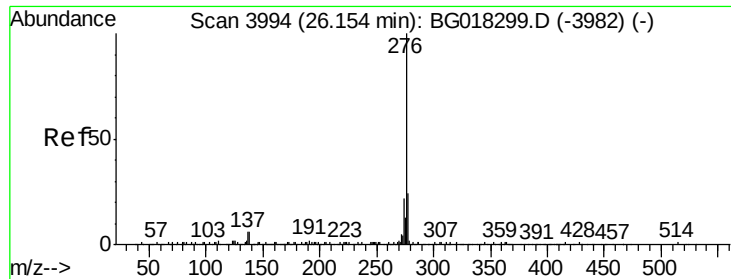


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(a,h,i)perylene

Concen: 39.73 ng/ul

RT: 26.16 min Scan# 3995

Delta R.T. 0.08 min

Lab File: BG018289.D

Acq: 6 Aug 2015 2:06

Instrument :

BNA_G

ClientSampleId :

C01W3RE

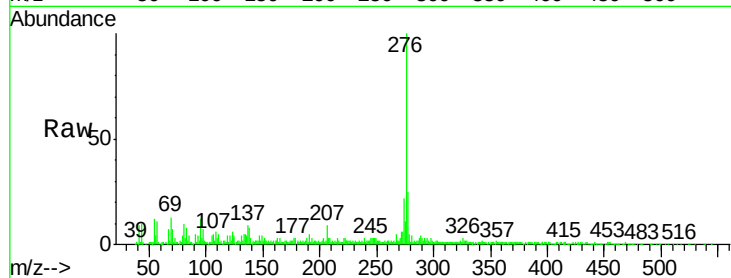
Tot Ion: 276 Resp: 279368

Ion Ratio Lower Upper

276 100

138 7.8 6.0 9.0

277 24.8 21.1 31.7



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

