

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080515\
 Data File : BG018296.D
 Acq On : 6 Aug 2015 6:10
 Operator : UM/TP
 Sample : G3109-16RE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01W6

Quant Time: Aug 06 06:59:32 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	7.45	152	47340	20.00	ng/ul	0.02
18) Naphthalene-d8	10.23	136	218383	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.14	164	120165	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.99	188	86498	20.00	ng/ul	0.12
78) Chrysene-d12	21.23	240	1946	20.00	ng/ul	0.15
86) Perylene-d12	23.32	264	230945	20.00	ng/ul	0.08
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.91	96	835	1.52	ng/uL	0.00
5) Phenol-d5	6.67	99	53614	14.40	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	6.79	67	29360	16.32	ng/ul	0.01
9) 2-Chlorophenol-d4	6.99	132	48562	15.67	ng/ul	0.02
13) 4-Methylphenol-d8	8.19	113	39950	12.71	ng/ul	0.02
19) Nitrobenzene-d5	8.60	128	25118	14.85	ng/ul	0.02
22) 2-Nitrophenol-d4	9.33	143	30507	15.60	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.89	165	53886	14.99	ng/ul	0.03
29) 4-Chloroaniline-d4	10.38	131	12844	2.98	ng/ul	0.02
44) Dimethylphthalate-d6	13.55	166	154651	16.64	ng/ul	0.02
47) Acenaphthylene-d8	13.82	160	171050	16.23	ng/ul	0.02
52) 4-Nitrophenol-d4	14.41	143	13907	9.07	ng/ul	0.04
58) Fluorene-d10	15.14	176	111664	13.37	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.38	200	307	0.51	ng/ul	0.12
71) Anthracene-d10	16.99	188	86754	22.80	ng/ul	0.02
79) Pyrene-d10	19.32	212	110617	1015.74	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.18	264	192380	16.01	ng/ul	0.08
Target Compounds						
4) Benzaldehyde	6.59	77	2033	1.07	ng/ul#	1
28) Naphthalene	10.28	128	30166	2.94	ng/ul	97
34) 2-Methylnaphthalene	11.92	142	19768	2.40	ng/ul	90
35) 1-Methylnaphthalene	12.14	142	11673	1.47	ng/ul#	86
45) Dimethylphthalate	13.60	163	70505	7.60	ng/ul	100
50) Acenaphthene	14.20	153	17024	2.42	ng/ul	93
54) Dibenzofuran	14.54	168	15707	1.52	ng/ul	89
59) Fluorene	15.19	166	15367	1.69	ng/ul#	95
70) Phenanthrene	16.94	178	99119	22.71	ng/ul	97
76) Di-n-butylphthalate	17.98	149	9627	1.87	ng/ul#	1
80) Pyrene	19.43	202	3747	27.69	ng/ul#	70
81) Butylbenzylphthalate	20.26	149	98289	1873.16	ng/ul	91
82) 3,3'-Dichlorobenzidine	21.14	252	13157	312.26	ng/ul#	64
83) Benzo(a)anthracene	21.21	228	310	3.02	ng/ul#	1
84) Bis(2-ethylhexyl)phthalate	21.11	149	31863	504.52	ng/ul#	89
85) Chrysene	21.27	228	30646	332.06	ng/ul#	26
87) Di-n-octyl phthalate	21.95	149	258911	17.02	ng/ul	100
88) Benzo(b)fluoranthene	22.66	252	622993	43.98	ng/ul#	87
89) Benzo(k)fluoranthene	22.66	252	622993	45.87	ng/ul#	82
91) Benzo(a)pyrene	23.22	252	241291	19.51	ng/ul#	83
92) Indeno(1,2,3-cd)pyrene	25.54	276	108892	7.12	ng/ul#	84

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

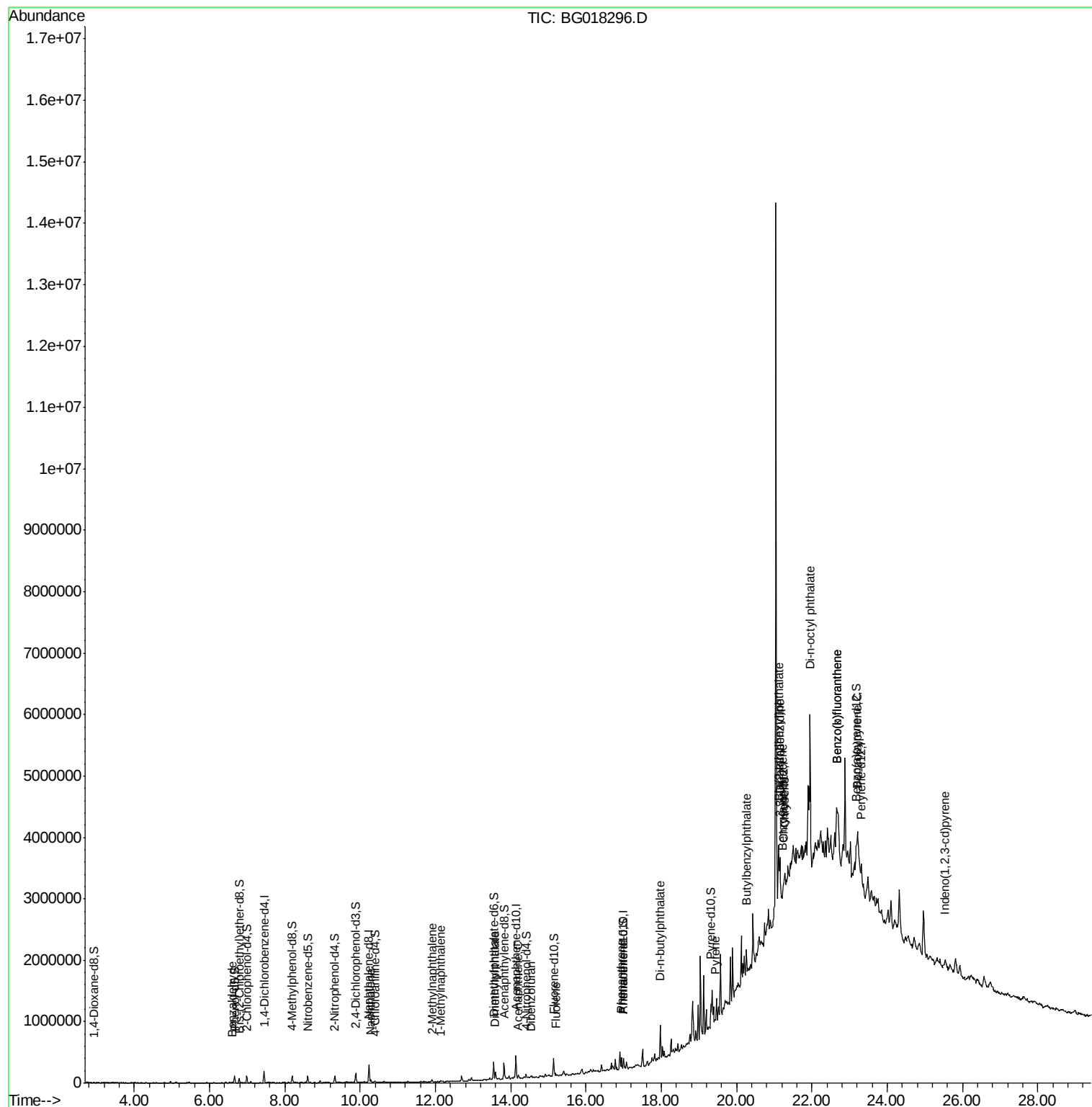
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

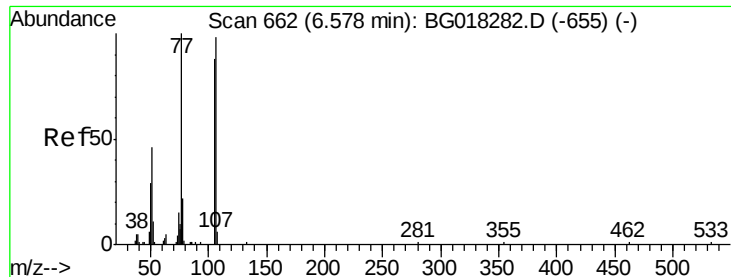
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

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





#4

Benzaldehyde

Concen: 1.07 ng/ul

RT: 6.59 min Scan# 665

Delta R.T. 0.02 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

Instrument :

BNA_G

ClientSampleId :

C01W6

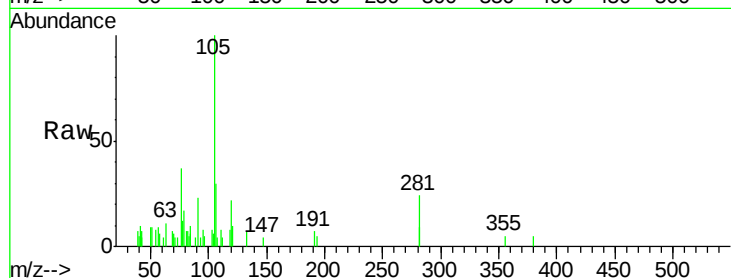
Tgt Ion: 77 Resp: 2033

Ion Ratio Lower Upper

77 100

105 273.6 74.6 112.0#

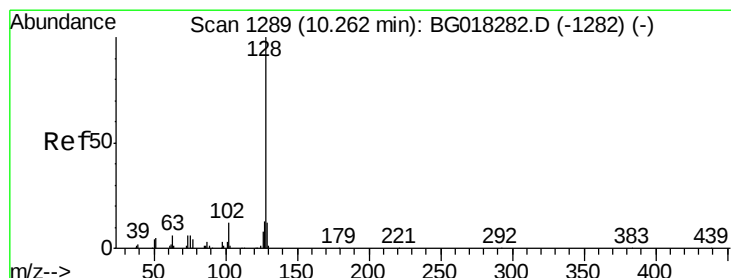
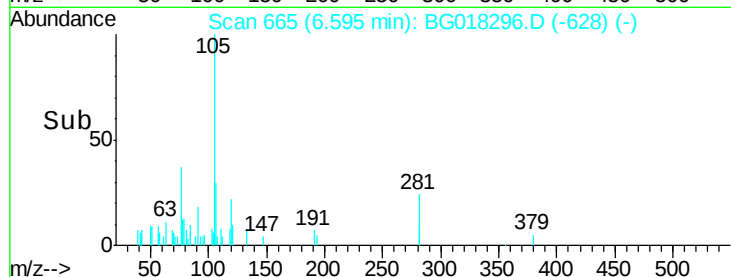
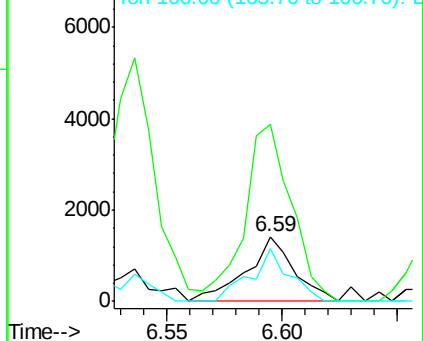
106 81.3 79.8 119.8



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#28

Naphthalene

Concen: 2.94 ng/ul

RT: 10.28 min Scan# 1293

Delta R.T. 0.02 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

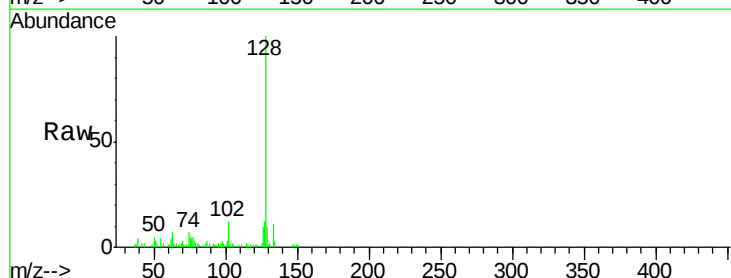
Tgt Ion: 128 Resp: 30166

Ion Ratio Lower Upper

128 100

129 10.5 7.8 11.6

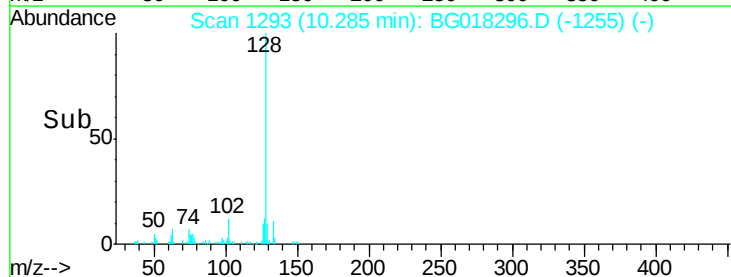
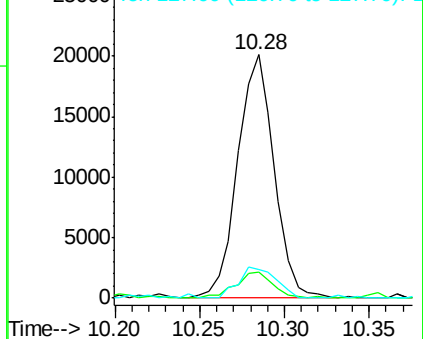
127 11.7 10.2 15.4

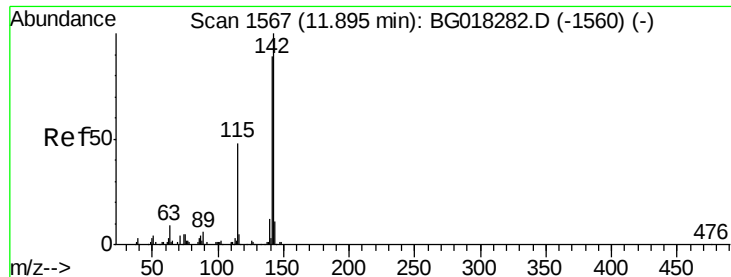


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

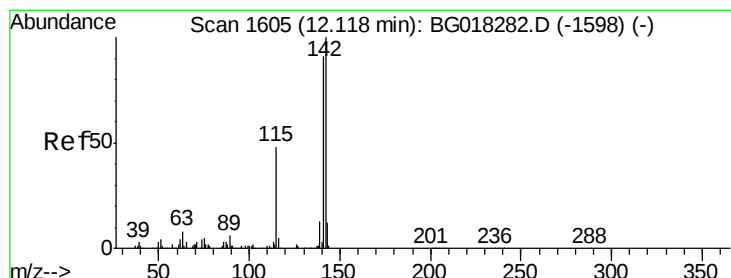
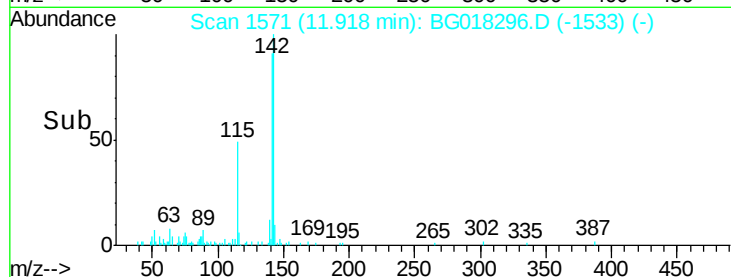
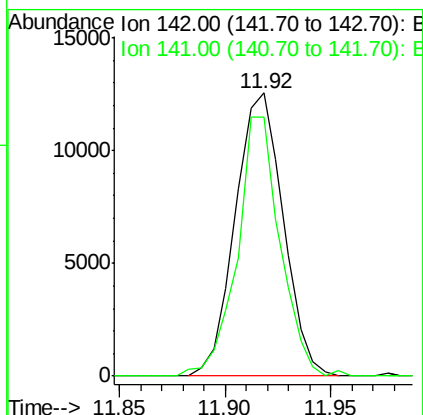
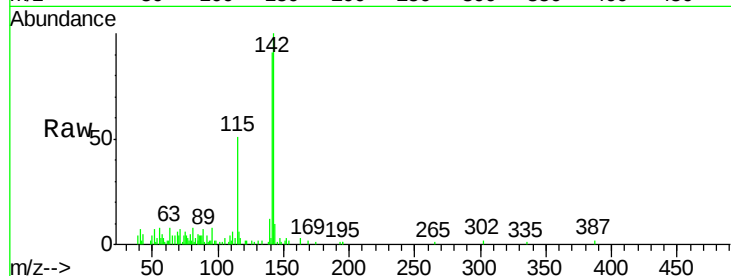




#34
 2-Methylnaphthalene
 Concen: 2.40 ng/ul
 RT: 11.92 min Scan# 1571
 Delta R.T. 0.02 min
 Lab File: BG018296.D
 Acq: 6 Aug 2015 6:10

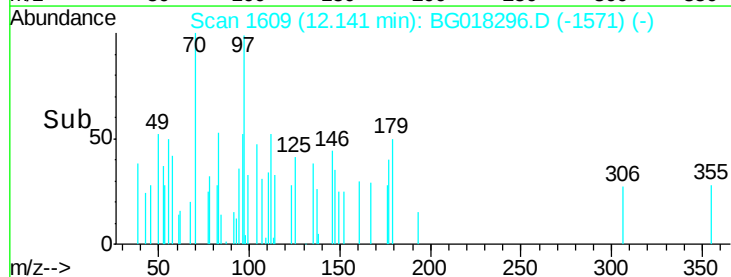
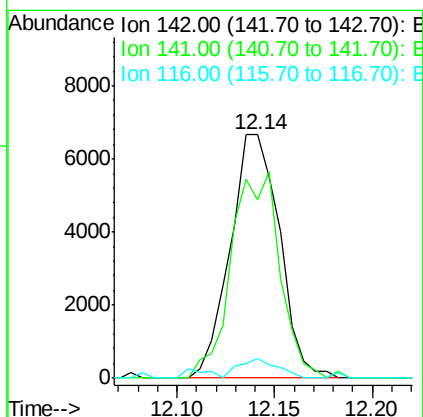
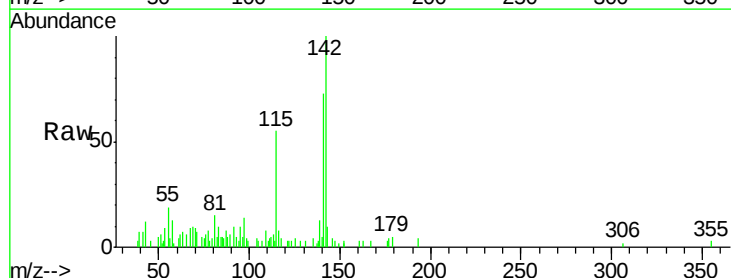
Instrument :
 BNA_G
 ClientSampleId :
 C01W6

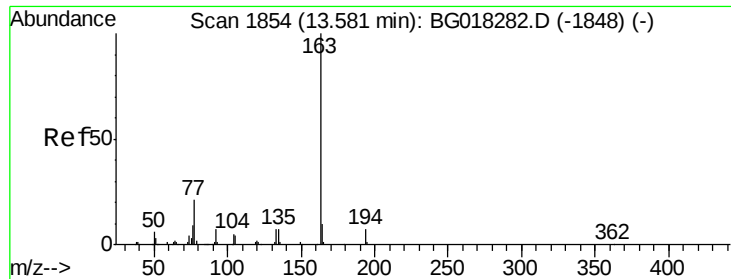
Tgt Ion:142 Resp: 19768
 Ion Ratio Lower Upper
 142 100
 141 91.4 65.9 98.9



#35
 1-Methylnaphthalene
 Concen: 1.47 ng/ul
 RT: 12.14 min Scan# 1609
 Delta R.T. 0.02 min
 Lab File: BG018296.D
 Acq: 6 Aug 2015 6:10

Tgt Ion:142 Resp: 11673
 Ion Ratio Lower Upper
 142 100
 141 73.1 69.0 103.4
 116 8.1 4.2 6.4#





#45

Dimethylphthalate

Concen: 7.60 ng/ul

RT: 13.60 min Scan# 1857

Delta R.T. 0.02 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

Instrument :

BNA_G

ClientSampleId :

C01W6

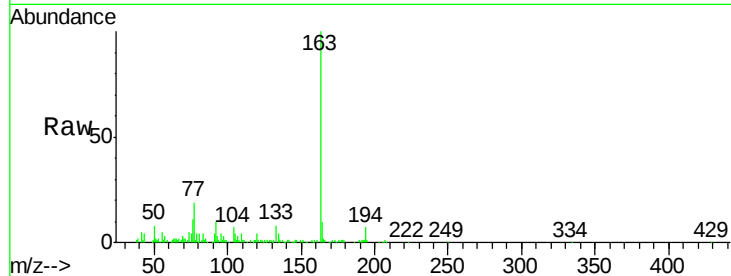
Tgt Ion:163 Resp: 70505

Ion Ratio Lower Upper

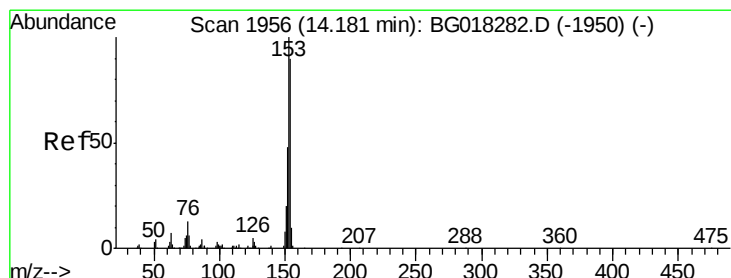
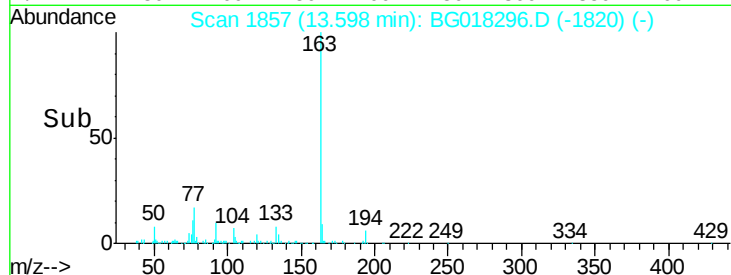
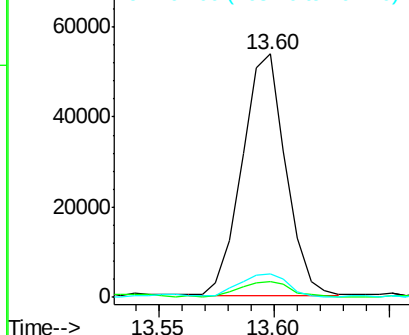
163 100

194 6.5 5.4 8.2

164 9.8 7.8 11.8



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: 2.42 ng/ul

RT: 14.20 min Scan# 1959

Delta R.T. 0.02 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

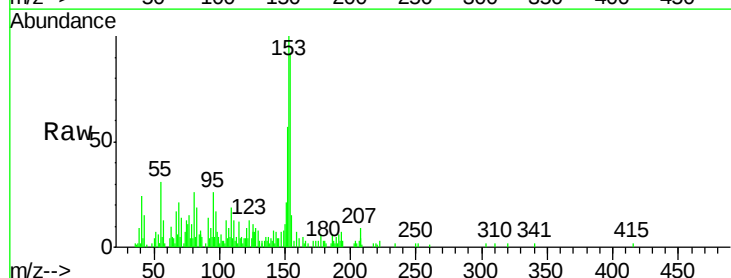
Tgt Ion:153 Resp: 17024

Ion Ratio Lower Upper

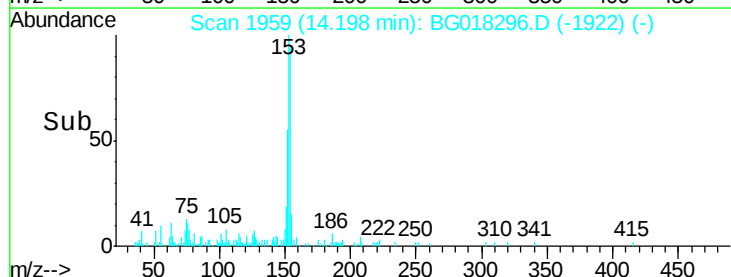
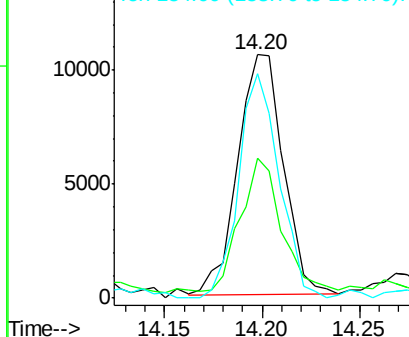
153 100

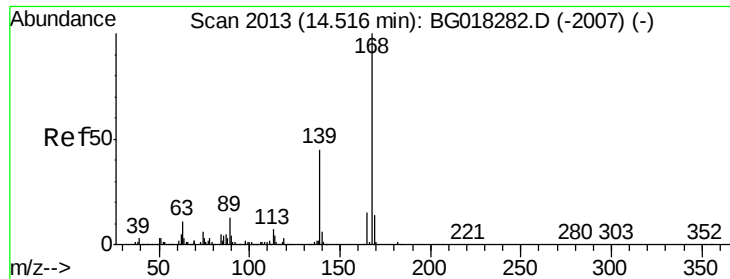
152 57.2 39.0 58.4

154 92.1 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: 1.52 ng/ul

RT: 14.54 min Scan# 2017

Delta R.T. 0.02 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

Instrument :

BNA_G

ClientSampleId :

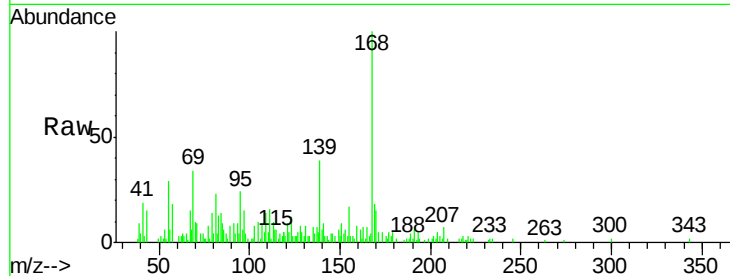
C01W6

Tgt Ion:168 Resp: 15707

Ion Ratio Lower Upper

168 100

139 39.2 37.1 55.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

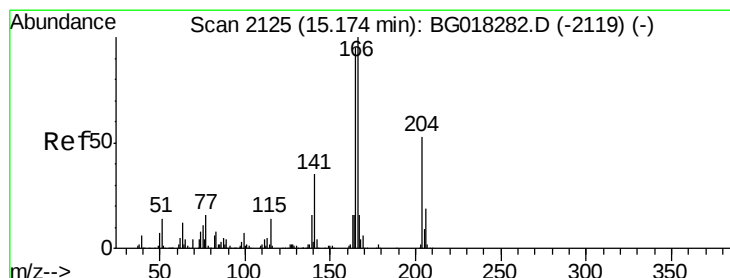
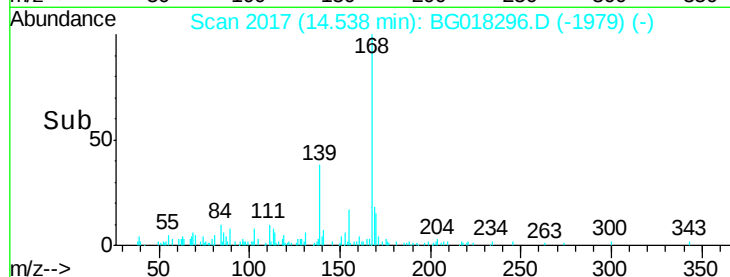
14.54

10000

5000

0

Time-->



#59

Fluorene

Concen: 1.69 ng/ul

RT: 15.19 min Scan# 2128

Delta R.T. 0.02 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

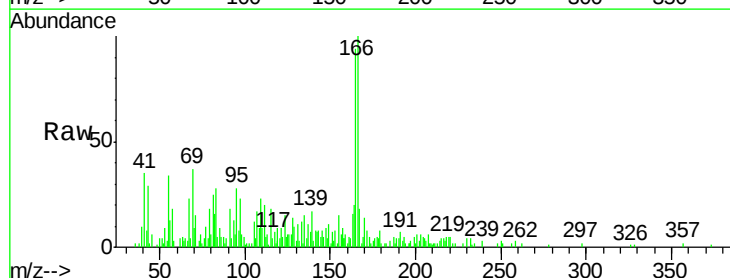
Tgt Ion:166 Resp: 15367

Ion Ratio Lower Upper

166 100

165 94.0 72.4 108.6

167 18.1 11.4 17.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.19

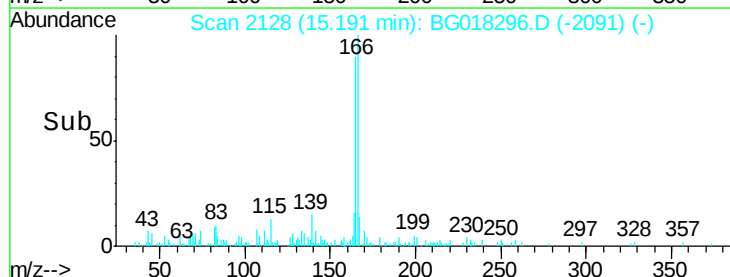
15000

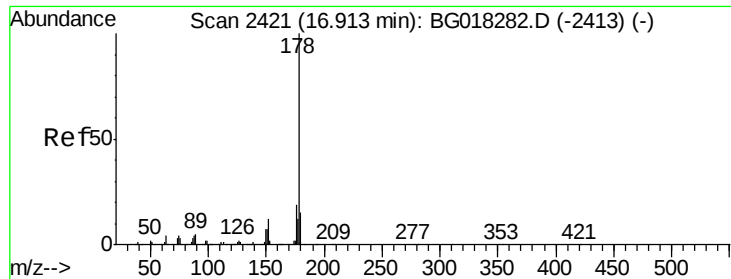
10000

5000

0

Time-->





#70

Phenanthrene

Concen: 22.71 ng/ul

RT: 16.94 min Scan# 2426

Delta R.T. 0.03 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

Instrument :

BNA_G

ClientSampleId :

C01W6

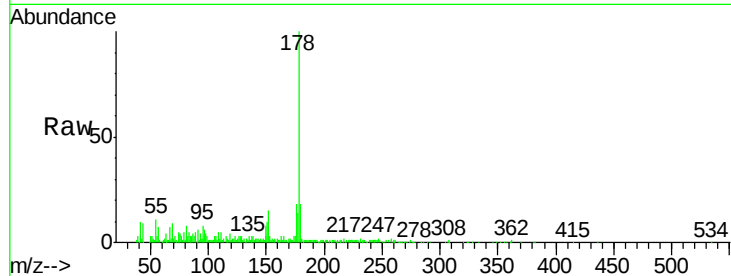
Tgt Ion:178 Resp: 99119

Ion Ratio Lower Upper

178 100

179 17.8 12.2 18.4

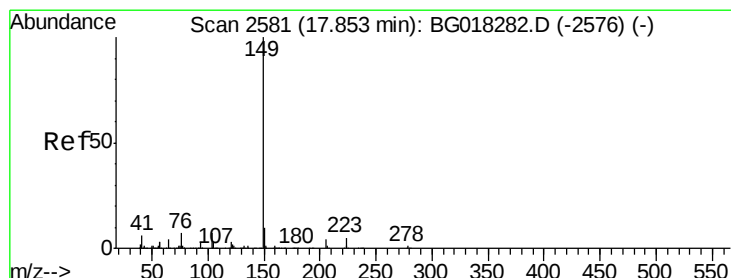
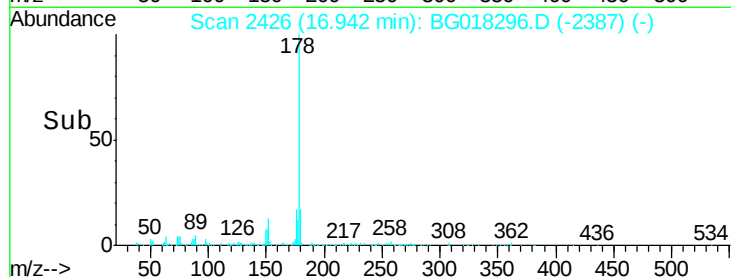
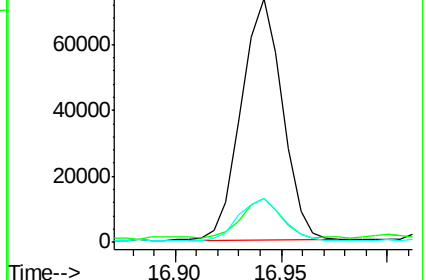
176 18.1 14.5 21.7



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



#76

Di-n-butylphthalate

Concen: 1.87 ng/ul

RT: 17.98 min Scan# 2602

Delta R.T. 0.12 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

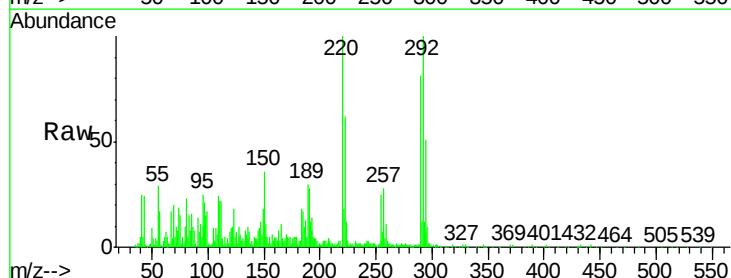
Tgt Ion:149 Resp: 9627

Ion Ratio Lower Upper

149 100

150 198.3 7.4 11.2#

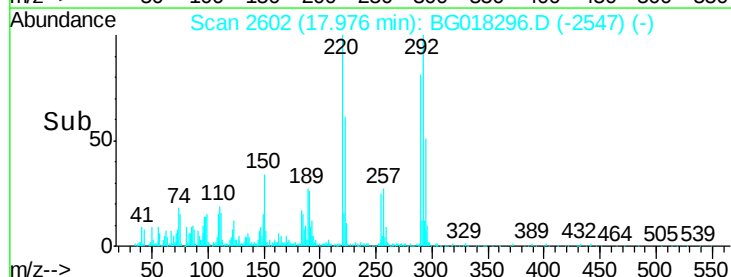
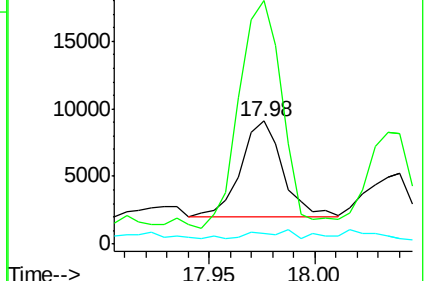
104 8.6 5.5 8.3#

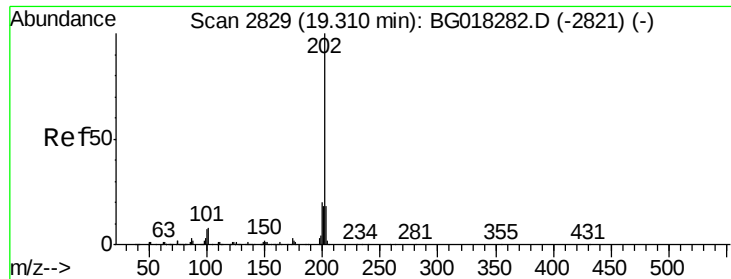


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#80

Pyrene

Concen: 27.69 ng/ul

RT: 19.43 min Scan# 2850

Delta R.T. 0.12 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

Instrument :

BNA_G

ClientSampleId :

C01W6

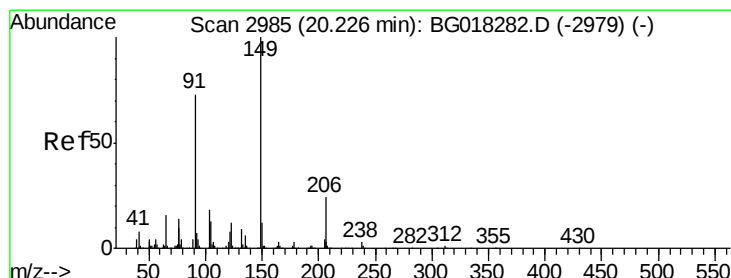
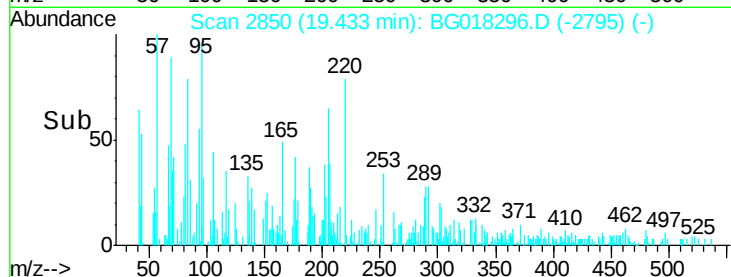
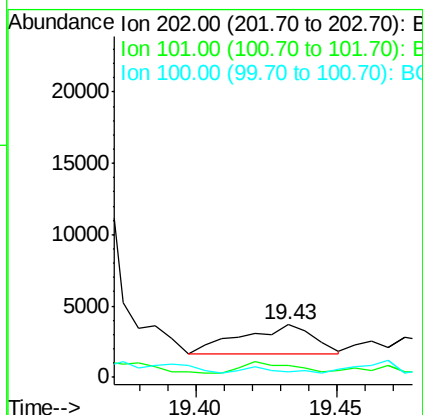
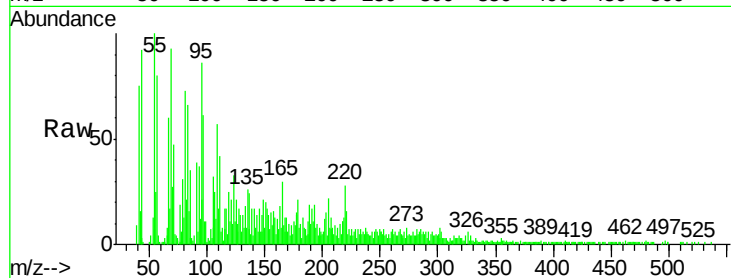
Tgt Ion:202 Resp: 3747

Ion Ratio Lower Upper

202 100

101 22.7 6.2 9.2#

100 10.1 4.6 7.0#



#81

Butylbenzylphthalate

Concen: 1873.16 ng/ul

RT: 20.26 min Scan# 2990

Delta R.T. 0.03 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

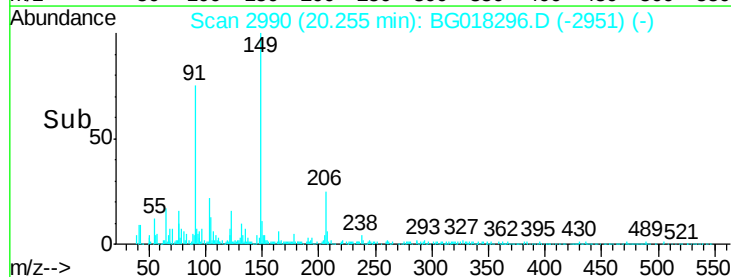
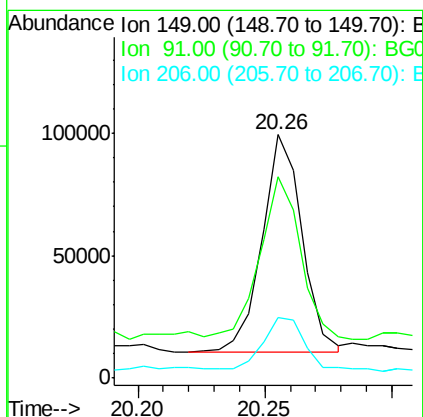
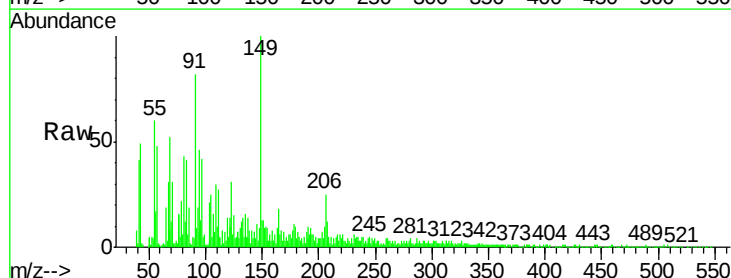
Tgt Ion:149 Resp: 98289

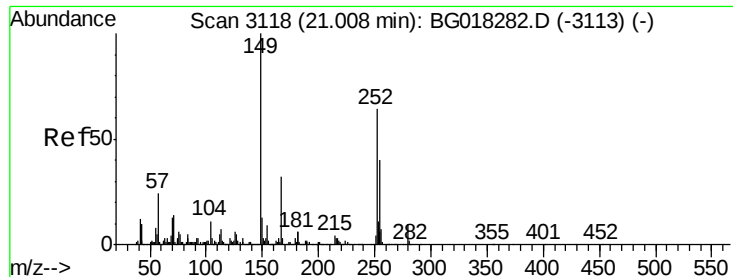
Ion Ratio Lower Upper

149 100

91 82.5 58.2 87.2

206 24.9 19.9 29.9





#82

3,3'-Dichlorobenzidine

Concen: 312.26 ng/ul

RT: 21.14 min Scan# 3141

Delta R.T. 0.13 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

Instrument :

BNA_G

ClientSampleId :

C01W6

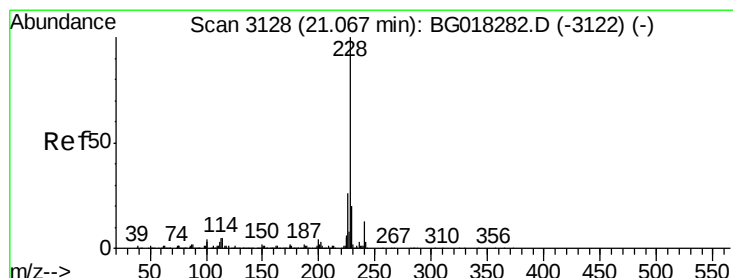
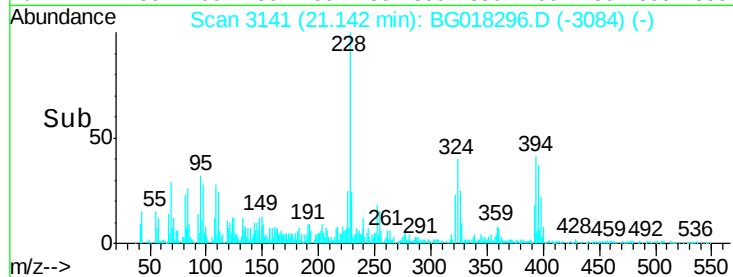
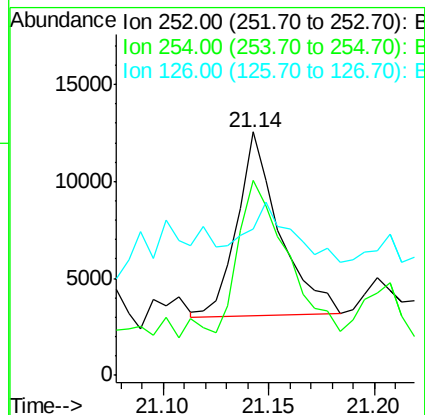
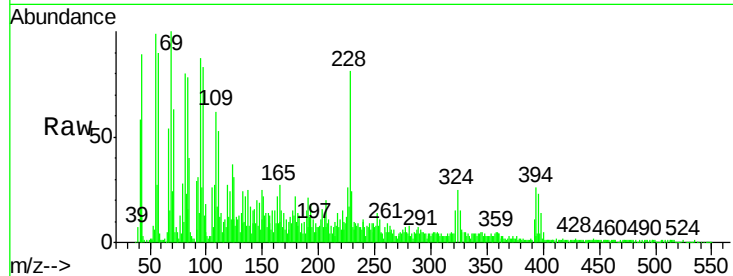
Tgt Ion:252 Resp: 13157

Ion Ratio Lower Upper

252 100

254 80.3 50.0 75.0#

126 60.1 5.3 7.9#



#83

Benzo(a)anthracene

Concen: 3.02 ng/ul

RT: 21.21 min Scan# 3153

Delta R.T. 0.15 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

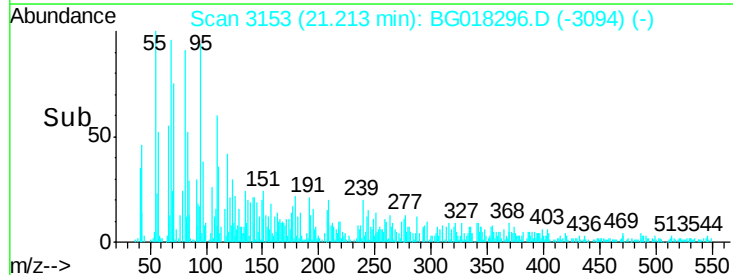
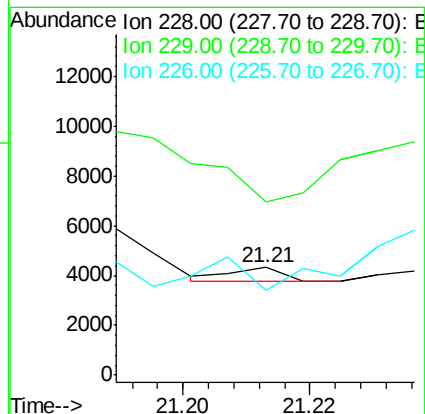
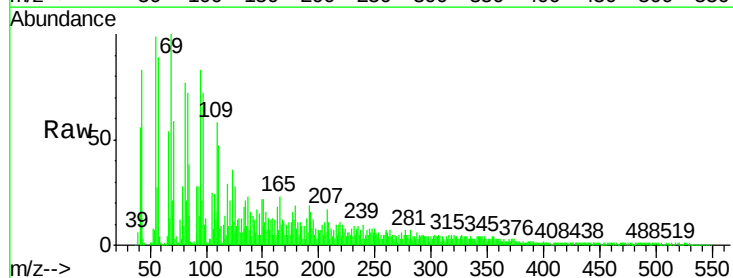
Tgt Ion:228 Resp: 310

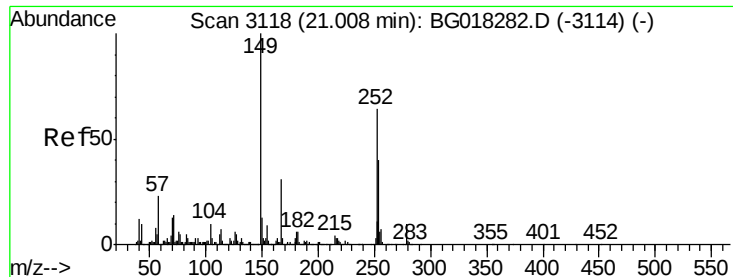
Ion Ratio Lower Upper

228 100

229 160.9 16.3 24.5#

226 79.0 21.2 31.8#





#84

Bis(2-ethylhexyl)phthalate

Concen: 504.52 ng/ul

RT: 21.11 min Scan# 3136

Delta R.T. 0.11 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

Instrument :

BNA_G

ClientSampleId :

C01W6

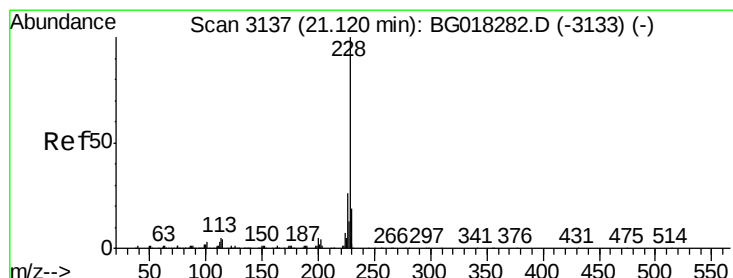
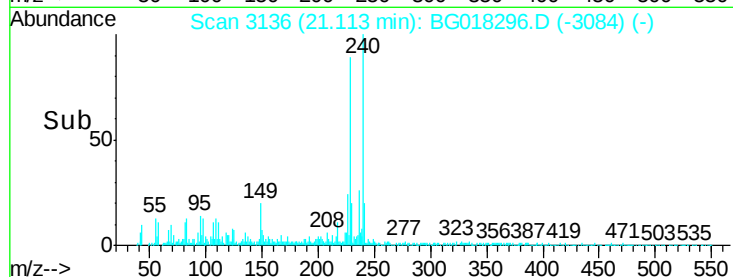
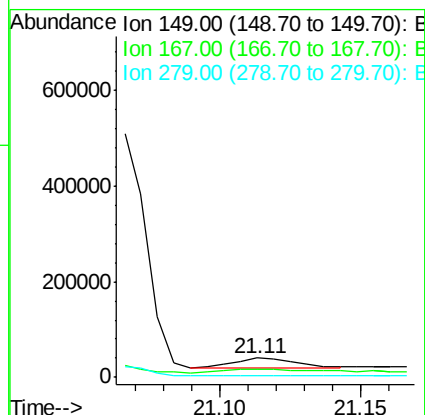
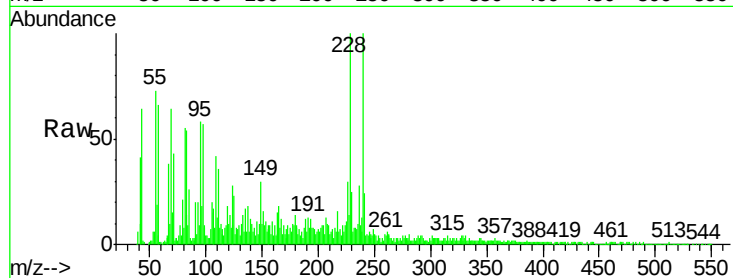
Tgt Ion:149 Resp: 31863

Ion Ratio Lower Upper

149 100

167 41.0 26.4 39.6#

279 10.4 8.6 12.8



#85

Chrysene

Concen: 332.06 ng/ul

RT: 21.27 min Scan# 3163

Delta R.T. 0.15 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

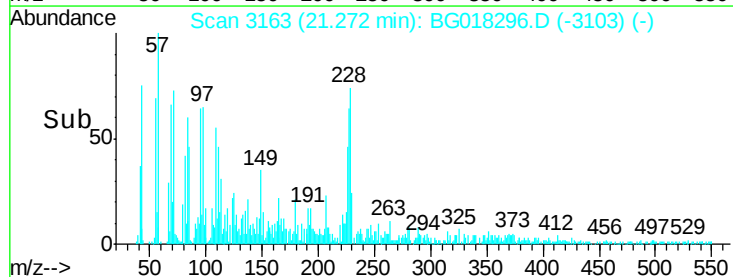
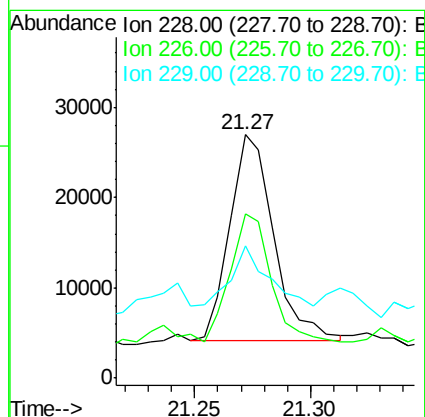
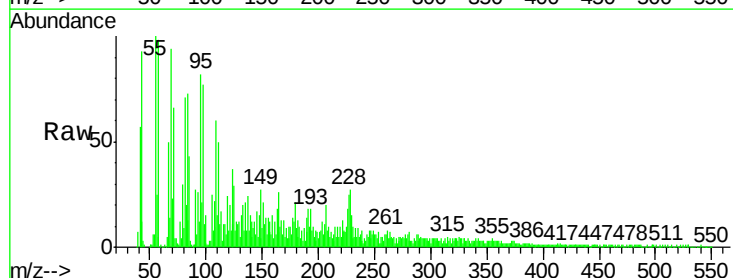
Tgt Ion:228 Resp: 30646

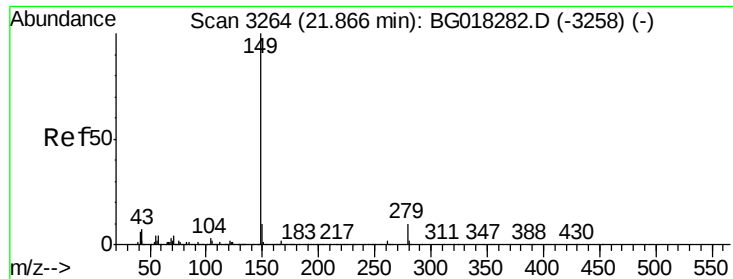
Ion Ratio Lower Upper

228 100

226 67.7 23.0 34.6#

229 54.2 15.9 23.9#





#87

Di-n-octyl phthalate

Concen: 17.02 ng/ul

RT: 21.95 min Scan# 3279

Delta R.T. 0.09 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

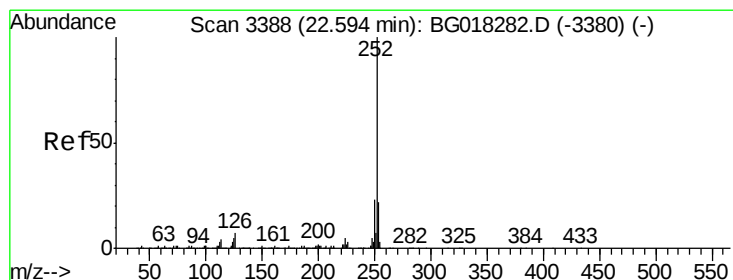
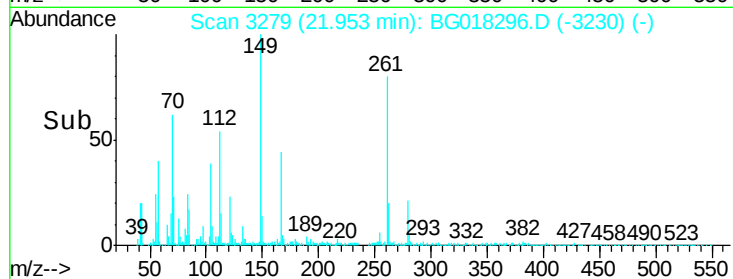
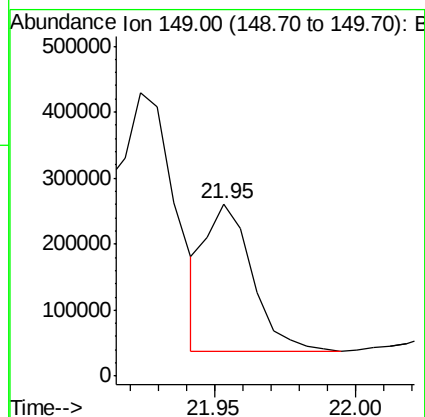
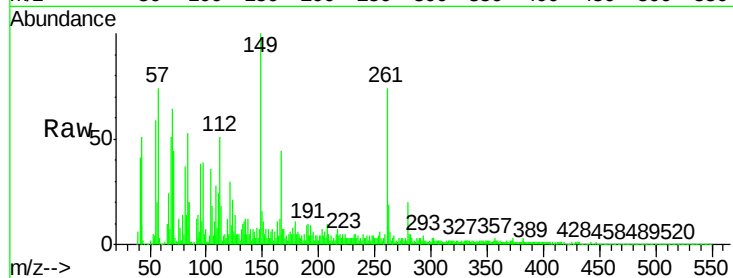
Instrument :

BNA_G

ClientSampleId :

C01W6

Tgt Ion:149 Resp: 258911



#88

Benzo(b)fluoranthene

Concen: 43.98 ng/ul

RT: 22.66 min Scan# 3400

Delta R.T. 0.07 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

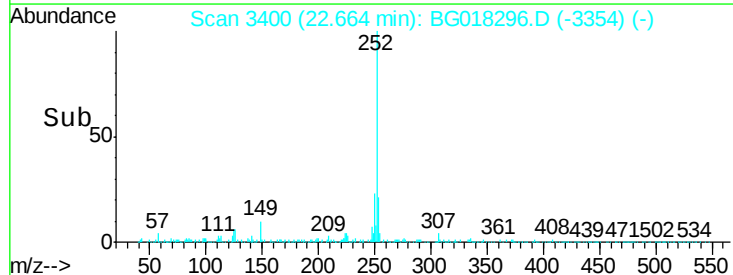
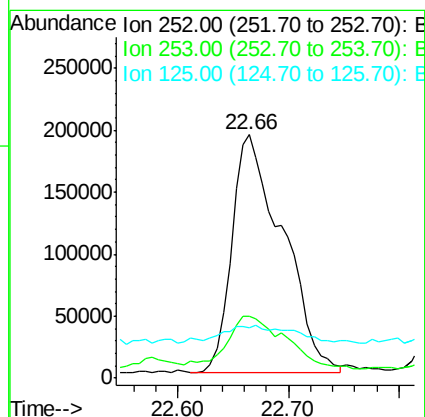
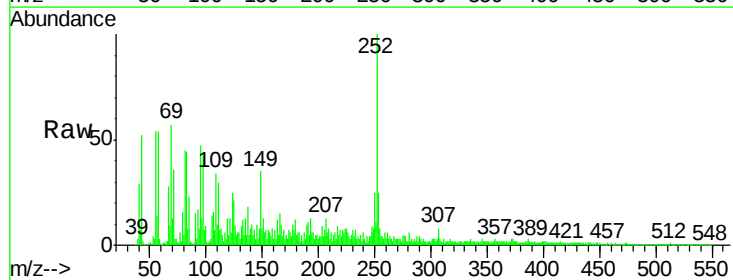
Tgt Ion:252 Resp: 622993

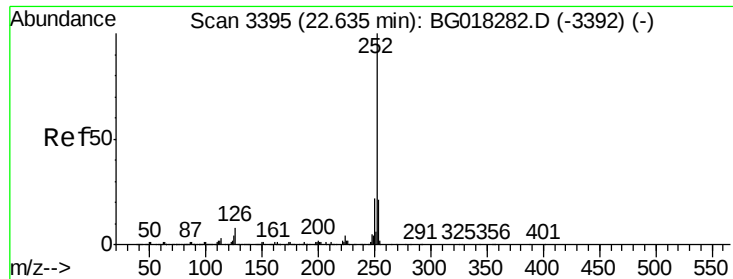
Ion Ratio Lower Upper

252 100

253 25.5 18.1 27.1

125 20.8 3.1 4.7#

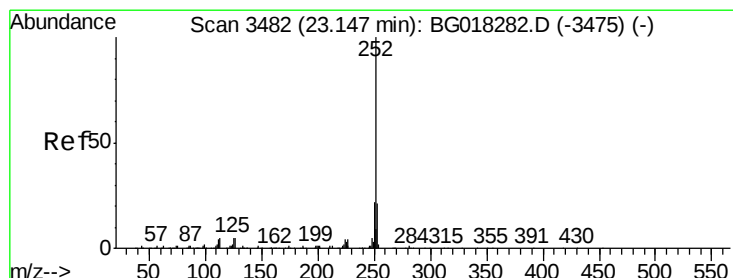
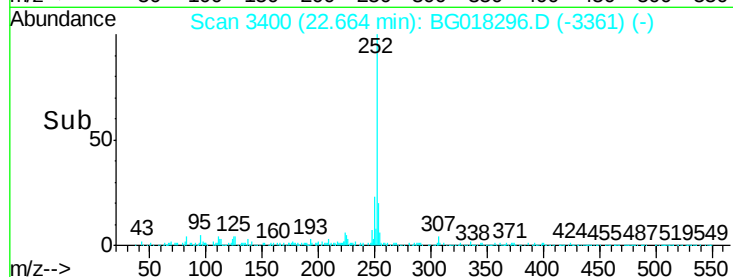
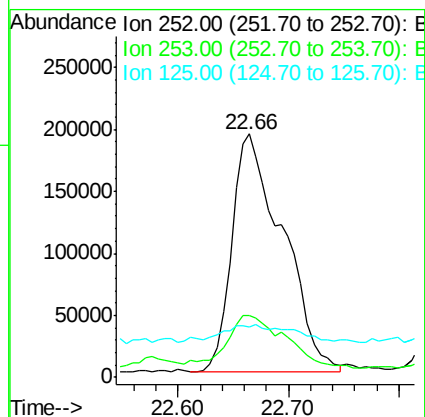
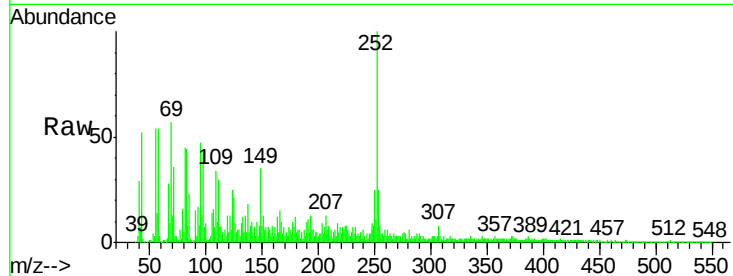




#89
Benzo(k)fluoranthene
Concen: 45.87 ng/ul
RT: 22.66 min Scan# 3400
Delta R.T. 0.03 min
Lab File: BG018296.D
Acq: 6 Aug 2015 6:10

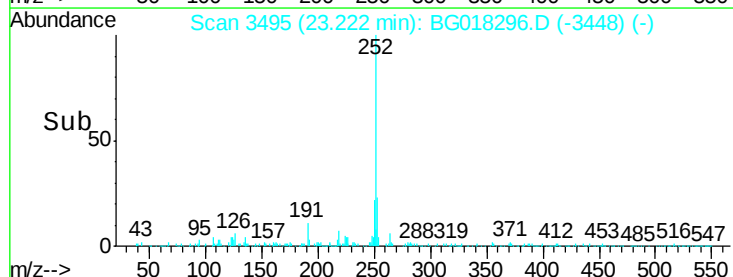
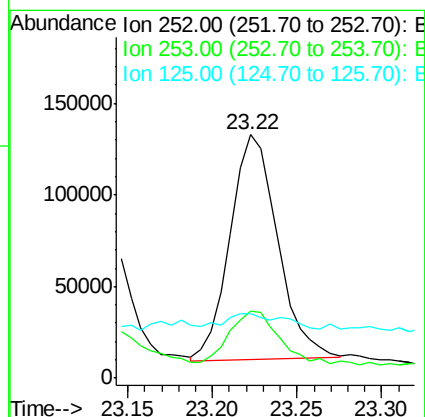
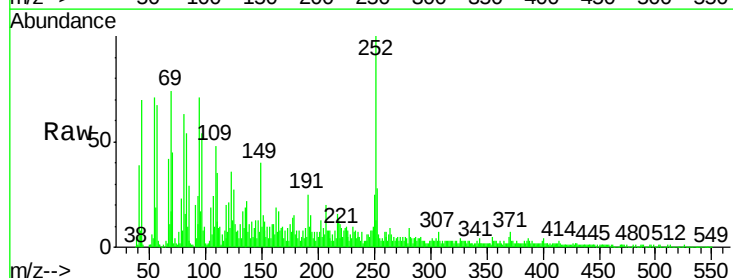
Instrument :
BNA_G
ClientSampleId :
C01W6

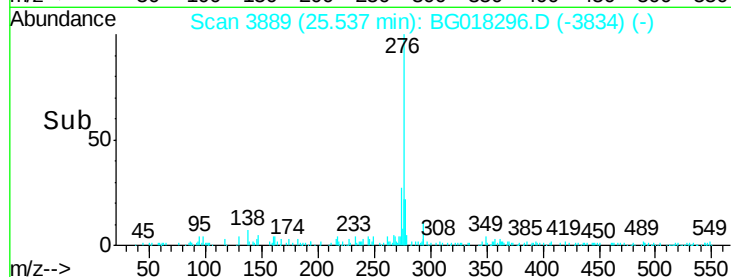
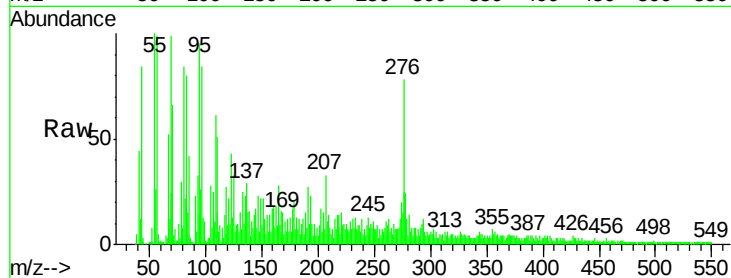
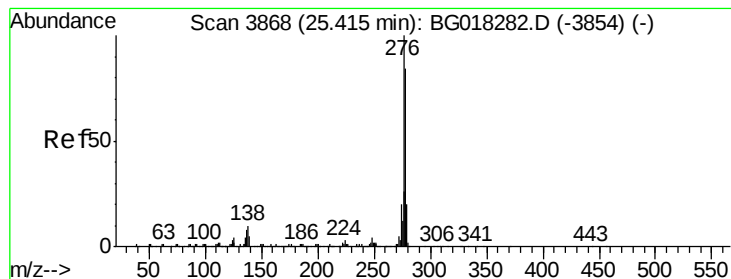
Tgt Ion: 252 Resp: 622993
Ion Ratio Lower Upper
252 100
253 25.5 16.4 24.6#
125 20.8 3.4 5.2#



#91
Benzo(a)pyrene
Concen: 19.51 ng/ul
RT: 23.22 min Scan# 3495
Delta R.T. 0.08 min
Lab File: BG018296.D
Acq: 6 Aug 2015 6:10

Tgt Ion: 252 Resp: 241291
Ion Ratio Lower Upper
252 100
253 27.8 18.9 28.3
125 26.6 3.2 4.8#





#92

Indeno(1,2,3-cd)pyrene

Concen: 7.12 ng/ul

RT: 25.54 min Scan# 3889

Delta R.T. 0.12 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

Instrument :

BNA_G

ClientSampleId :

C01W6

Tgt Ion:276 Resp: 108892

Ion Ratio Lower Upper

276 100

138 18.8 8.2 12.4#

277 31.6 20.1 30.1#

