

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

Instrument :
 BNA_G
 ClientSampleId :
 C01W6

Quant Time: Aug 06 08:15:58 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	16.90	188	136093m	20.00	ng/ul	0.03
78) Chrysene-d12	21.12	240	251302m	20.00	ng/ul	0.03
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	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	16.99	188	86754	14.49	ng/ul	0.02
79) Pyrene-d10	19.32	212	110617	7.87	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.18	264	192380	16.01	ng/ul	0.08

Target Compounds

						Ovalue
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	14.43	ng/ul	97
72) Anthracene	17.03	178	25961m	3.79	ng/ul	
75) Carbazole	17.31	167	8663m	1.50	ng/ul	
76) Di-n-butylphthalate	17.88	149	35267m	4.35	ng/ul	
77) Fluoranthene	18.98	202	275914m	36.22	ng/ul	
80) Pyrene	19.35	202	299039m	17.11	ng/ul	
81) Butylbenzylphthalate	20.26	149	98289	14.51	ng/ul	91
83) Benzo(a)anthracene	21.11	228	243698m	18.37	ng/ul	
84) Bis(2-ethylhexyl)phthalate	21.05	149	2981180m	365.53	ng/ul	
85) Chrysene	21.16	228	278889m	23.40	ng/ul	
88) Benzo(b)fluoranthene	22.66	252	453837m	32.04	ng/ul	
89) Benzo(k)fluoranthene	22.69	252	178304m	13.13	ng/ul	
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
94) Benzo(a,h,i)perylene	26.22	276	89095m	7.18	ng/ul	

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

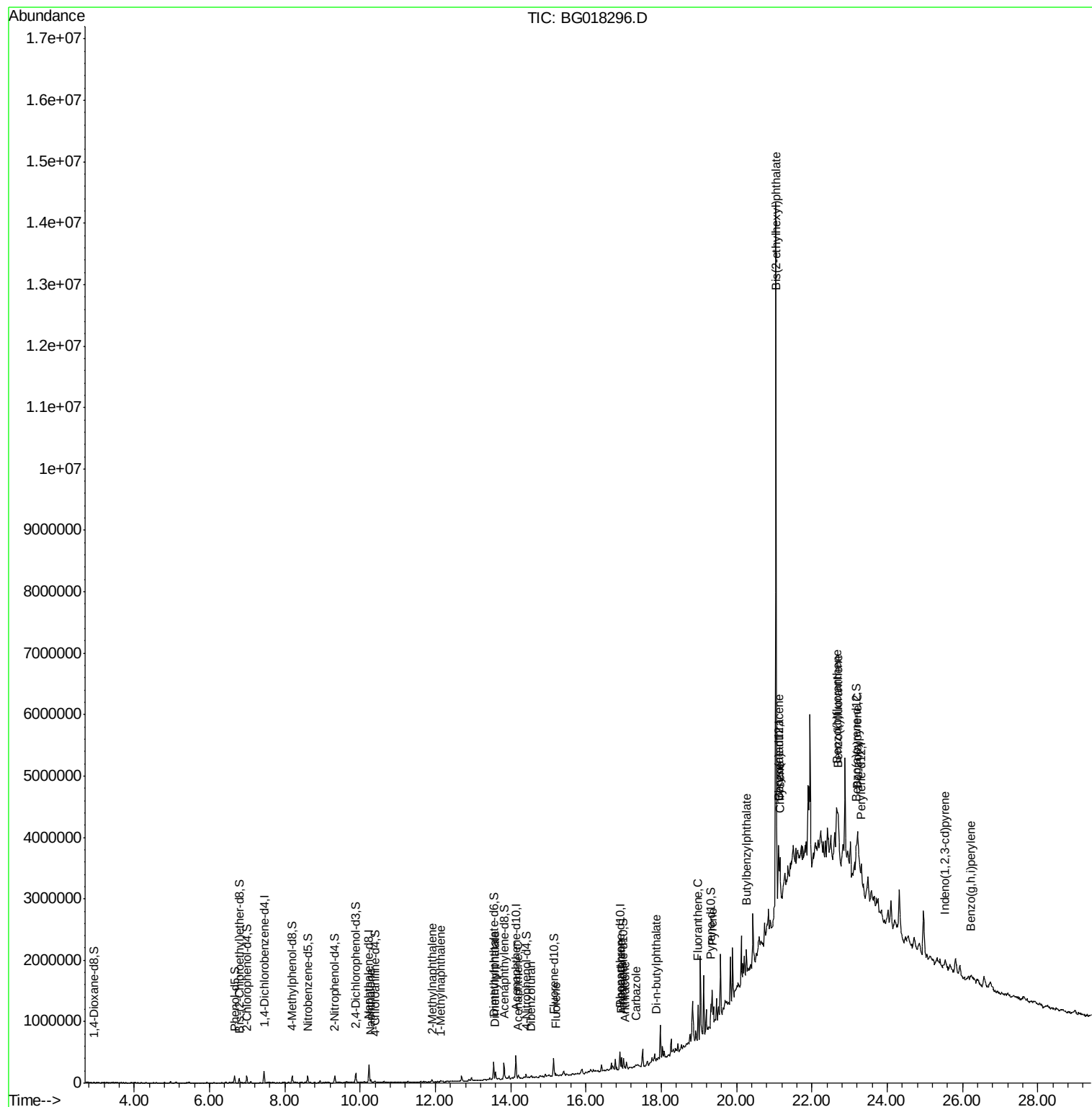
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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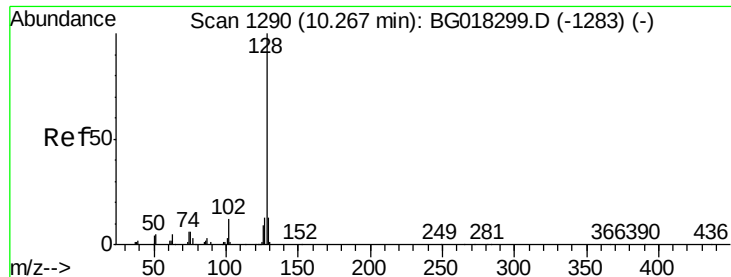
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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

Instrument :

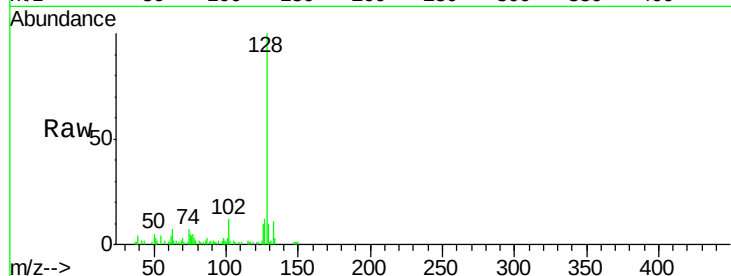
BNA_G

ClientSampleId :

C01W6

Tot Ion:128 Resp: 30166

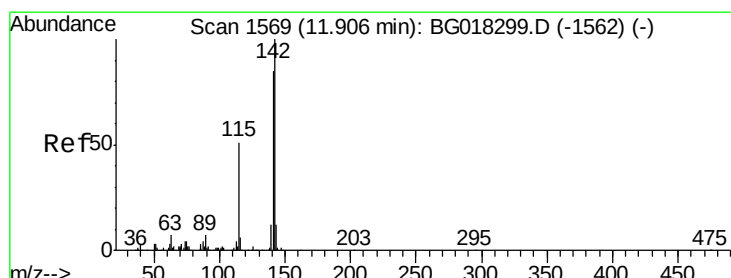
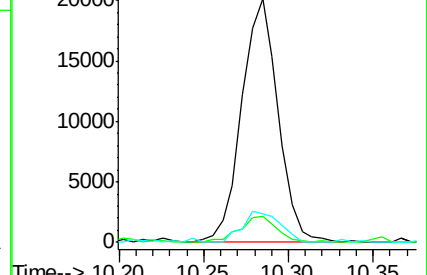
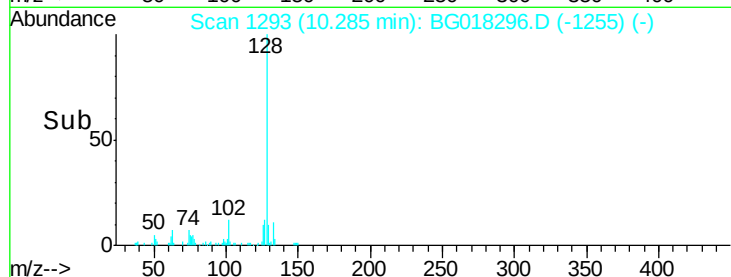
Ion	Ratio	Lower	Upper
128	100		
129	10.5	7.8	11.6
127	11.7	10.2	15.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 2.40 ng/ul

RT: 11.92 min Scan# 1571

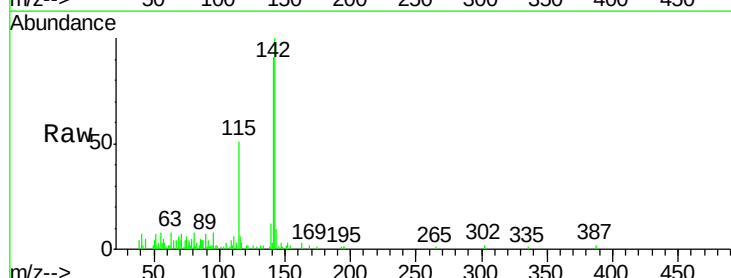
Delta R.T. 0.02 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

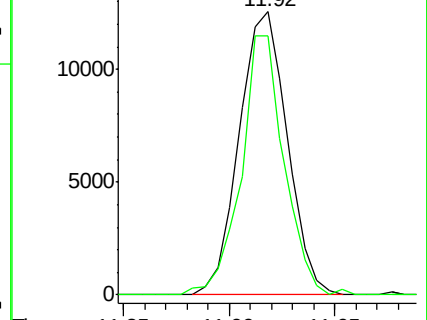
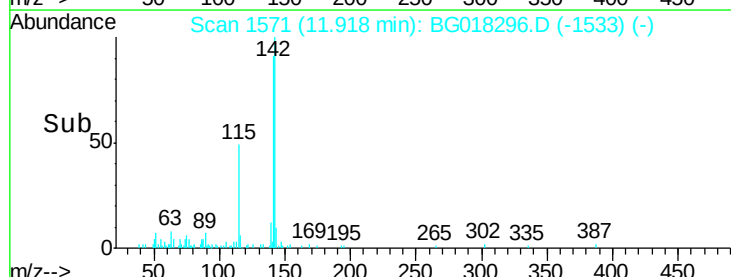
Tgt Ion:142 Resp: 19768

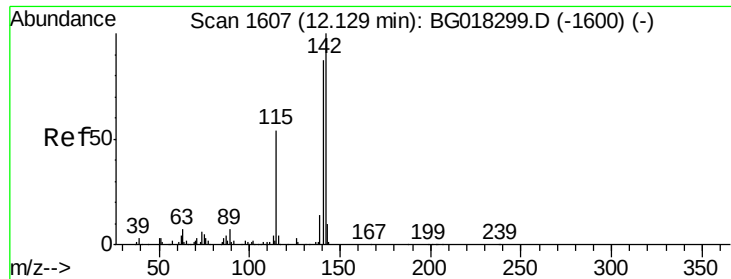
Ion	Ratio	Lower	Upper
142	100		
141	91.4	65.9	98.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#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

Instrument :

BNA_G

ClientSampled :

C01W6

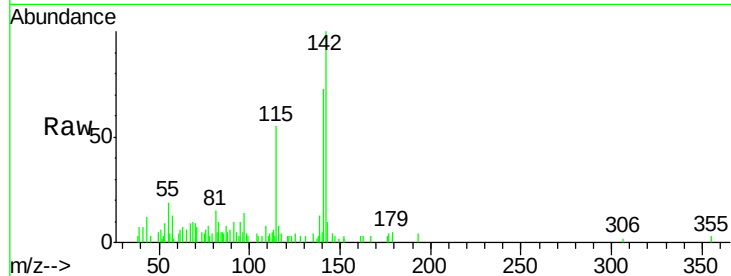
Tot Ion:142 Resp: 11673

Ion Ratio Lower Upper

142 100

141 73.1 69.0 103.4

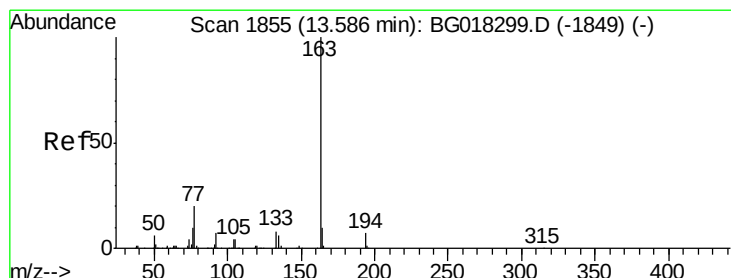
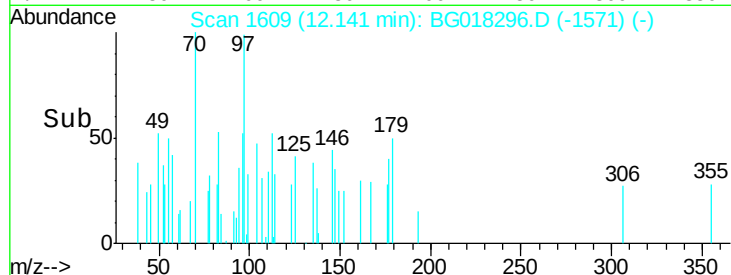
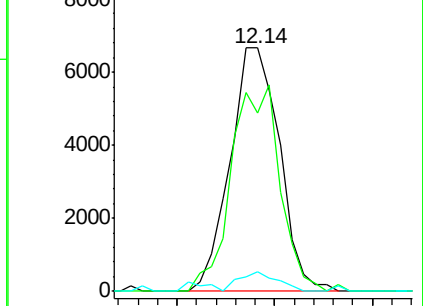
116 8.1 4.2 6.4#



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



#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

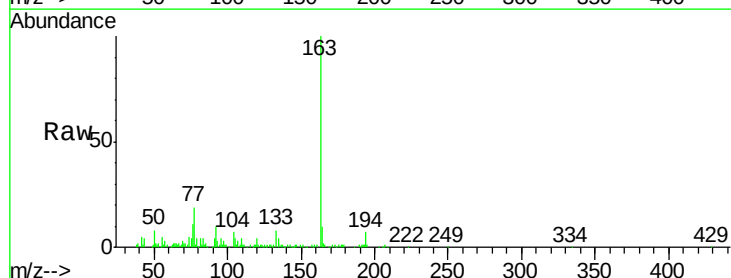
Tgt Ion:163 Resp: 70505

Ion Ratio Lower Upper

163 100

194 6.5 5.4 8.2

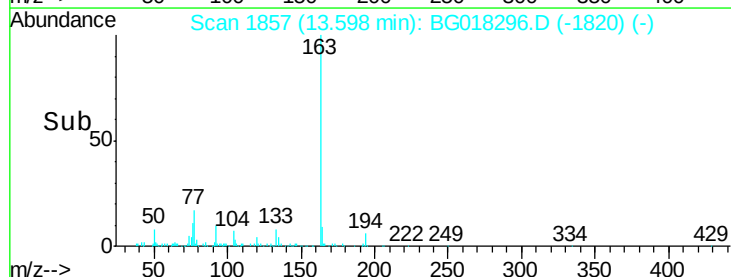
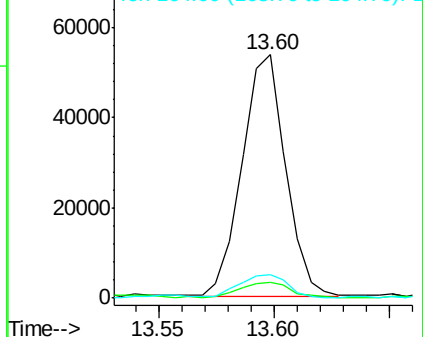
164 9.8 7.8 11.8

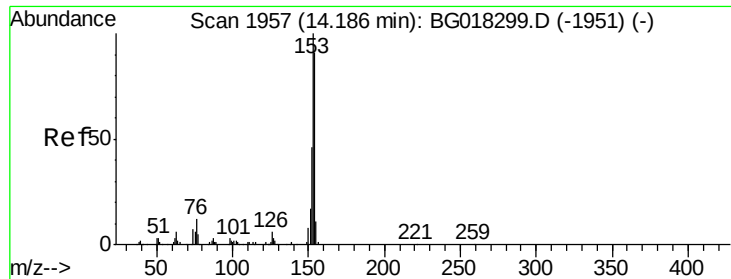


Abundance Ion 163.00 (162.70 to 163.70): E

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

Instrument :

BNA_G

ClientSampleId :

C01W6

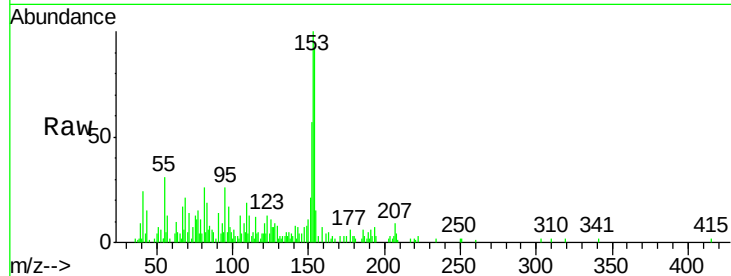
Tot Ion:153 Resp: 17024

Ion Ratio Lower Upper

153 100

152 57.2 39.0 58.4

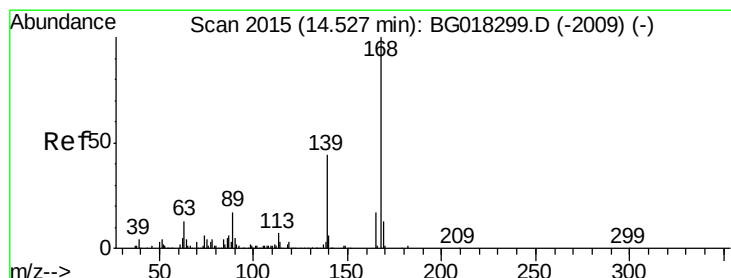
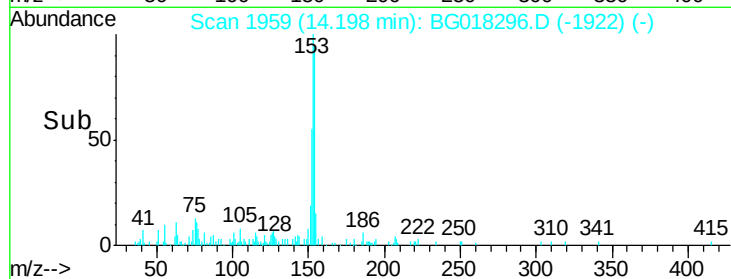
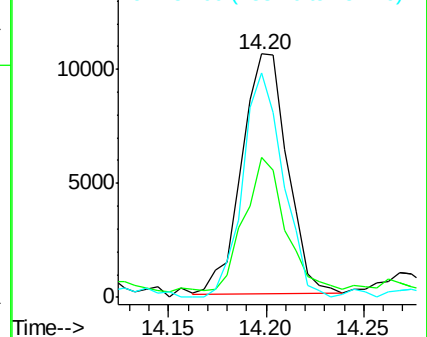
154 92.1 77.4 116.2



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

Dibenzofuran

Concen: 1.52 ng/ul

RT: 14.54 min Scan# 2017

Delta R.T. 0.02 min

Lab File: BG018296.D

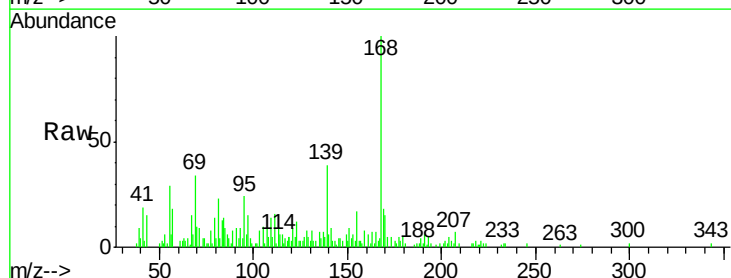
Acq: 6 Aug 2015 6:10

Tgt Ion:168 Resp: 15707

Ion Ratio Lower Upper

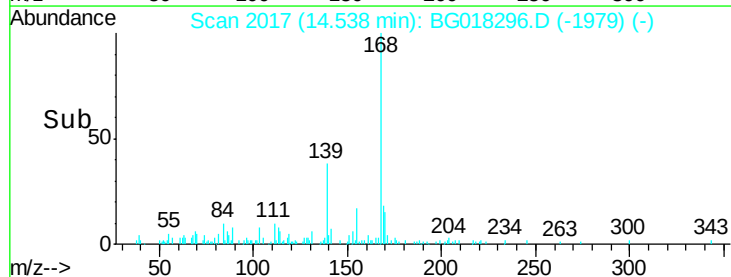
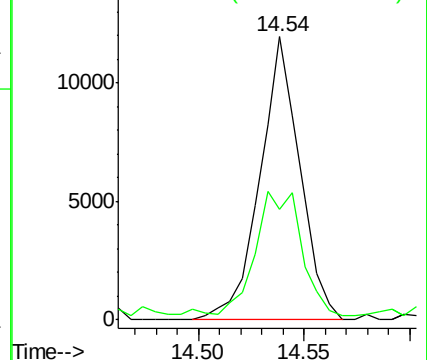
168 100

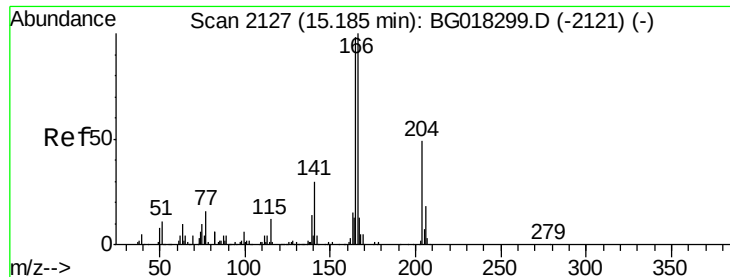
139 39.2 37.1 55.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#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

Instrument :

BNA_G

ClientSampleID :

C01W6

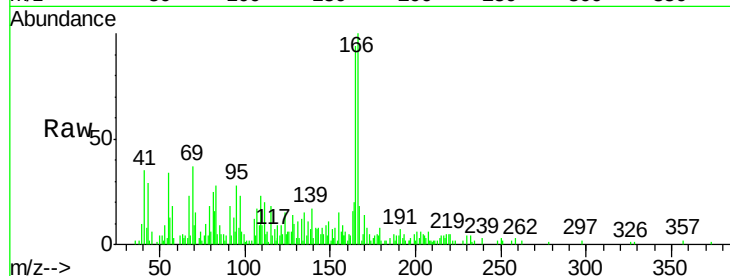
Tot Ion:166 Resp: 15367

Ion Ratio Lower Upper

166 100

165 94.0 72.4 108.6

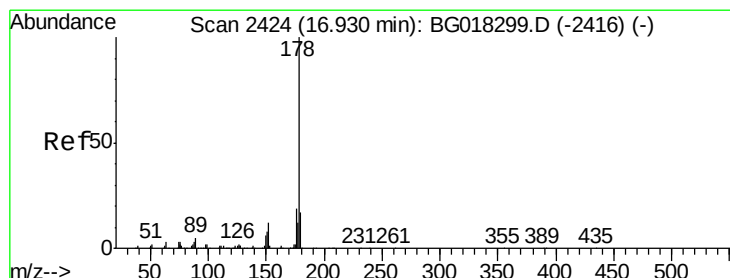
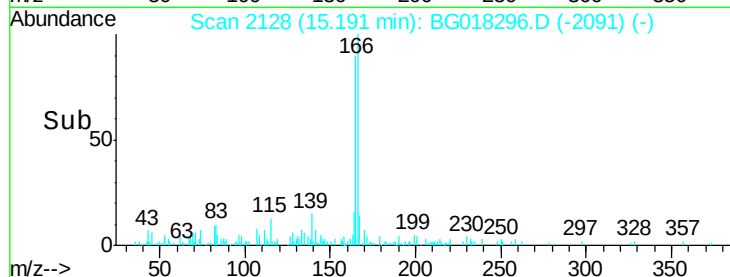
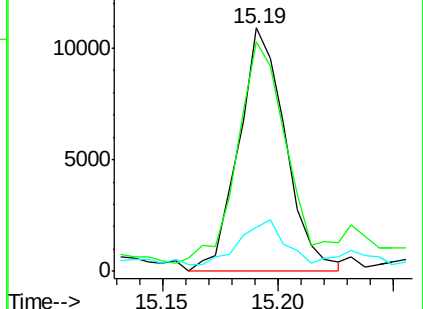
167 18.1 11.4 17.0#



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



#70

Phenanthrene

Concen: 14.43 ng/ul

RT: 16.94 min Scan# 2426

Delta R.T. 0.03 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

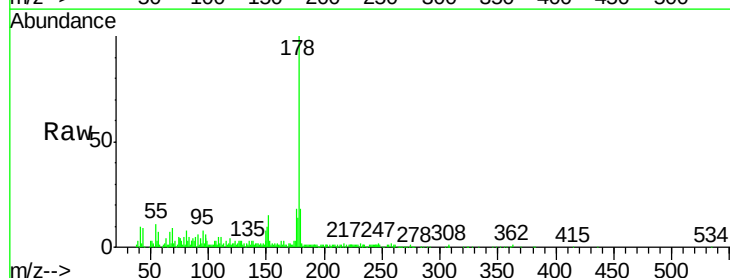
Tgt Ion:178 Resp: 99119

Ion Ratio Lower Upper

178 100

179 17.8 12.2 18.4

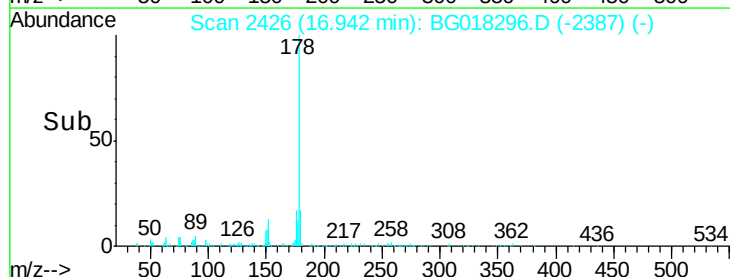
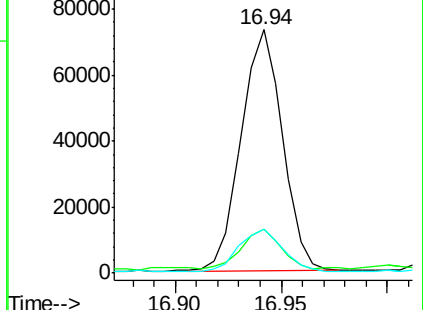
176 18.1 14.5 21.7

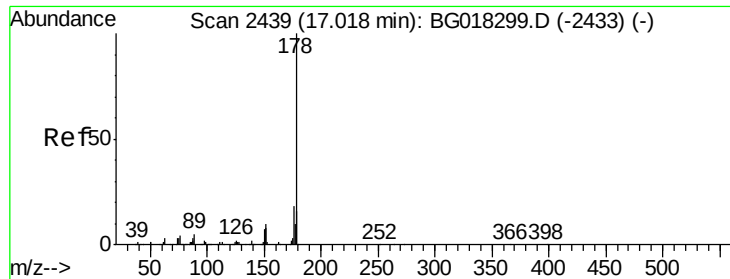


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.79 ng/ul m

RT: 17.03 min Scan# 2441

Delta R.T. 0.02 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

Instrument :

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ClientSampleId :

C01W6

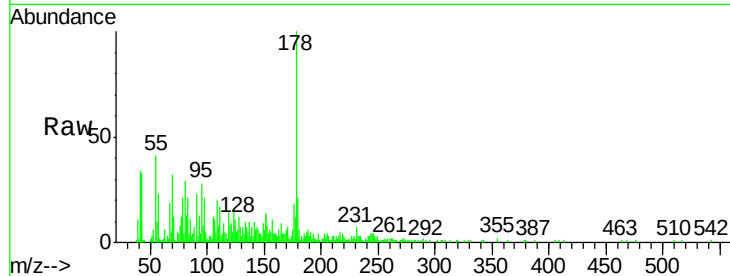
Tot Ion:178 Resp: 25961

Ion Ratio Lower Upper

178 100

179 20.5 12.2 18.4#

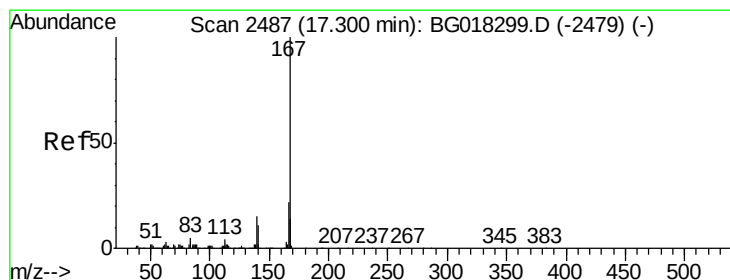
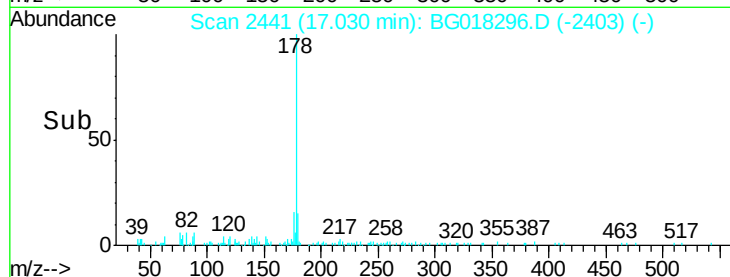
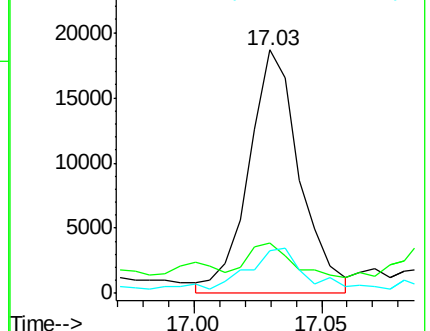
176 17.5 15.3 22.9



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: 1.50 ng/ul m

RT: 17.31 min Scan# 2489

Delta R.T. 0.03 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

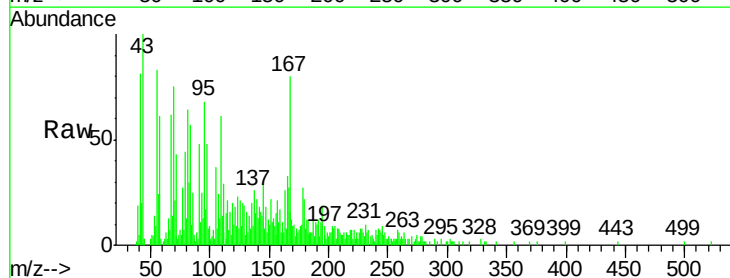
Tgt Ion:167 Resp: 8663

Ion Ratio Lower Upper

167 100

166 33.4 17.8 26.8#

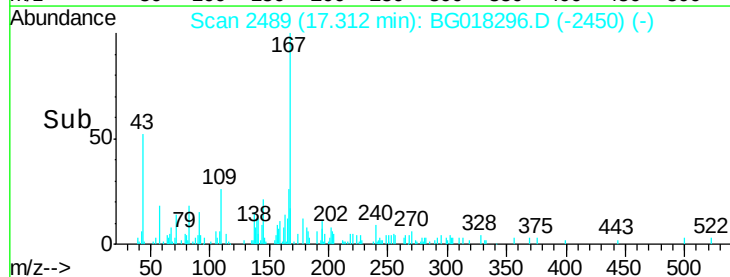
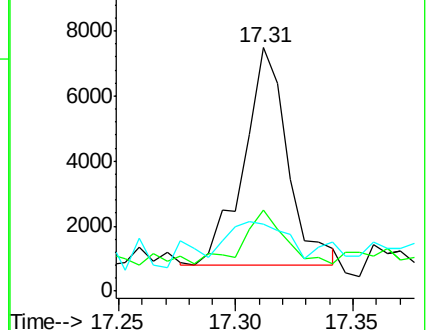
139 27.5 10.6 16.0#

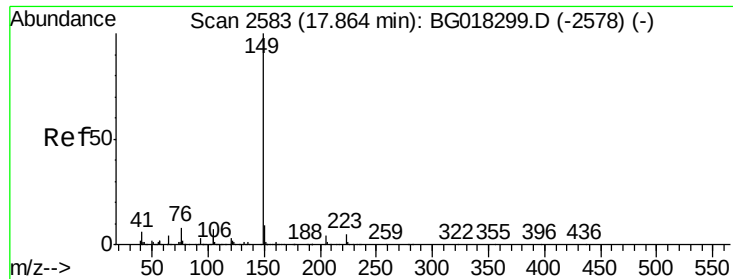


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Di-n-butylphthalate

Concen: 4.35 ng/ul m

RT: 17.88 min Scan# 2585

Delta R.T. 0.02 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

Instrument :

BNA_G

ClientSampleId :

C01W6

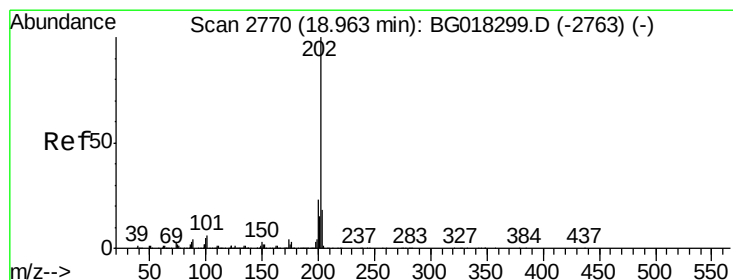
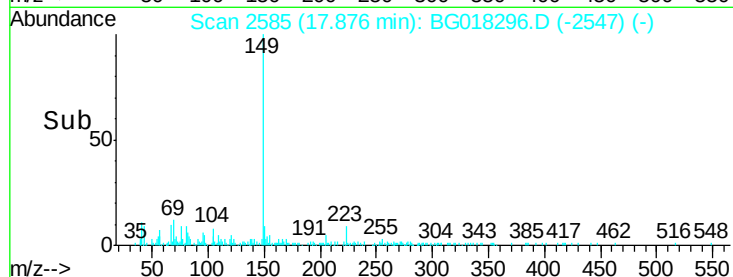
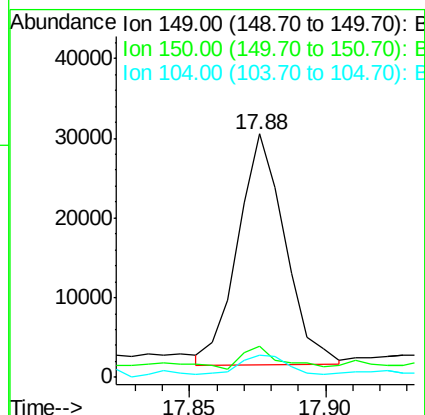
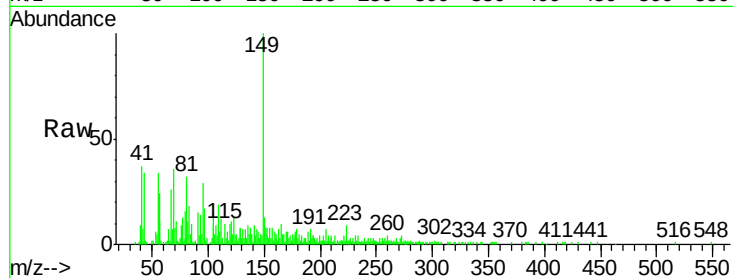
Tot Ion:149 Resp: 35267

Ion Ratio Lower Upper

149 100

150 13.0 7.4 11.2#

104 9.1 5.5 8.3#



#77

Fluoranthene

Concen: 36.22 ng/ul m

RT: 18.98 min Scan# 2773

Delta R.T. 0.03 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

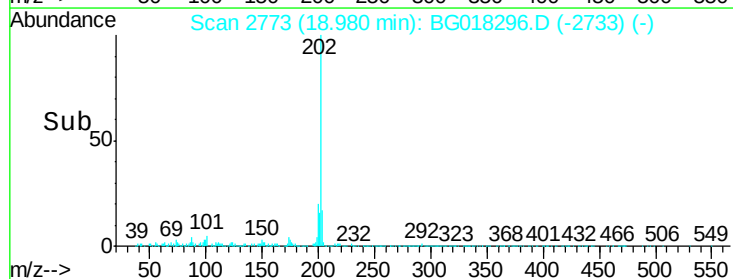
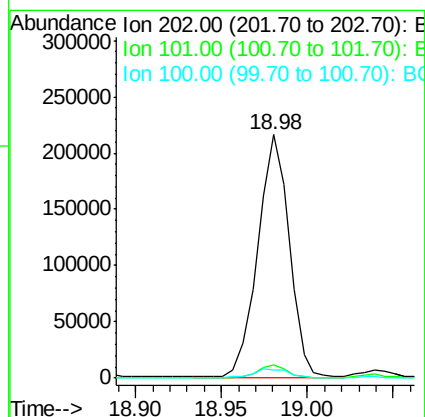
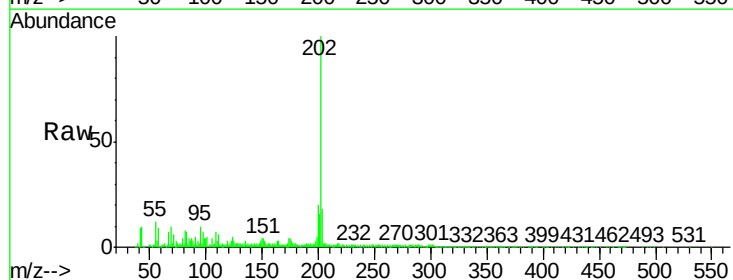
Tgt Ion:202 Resp: 275914

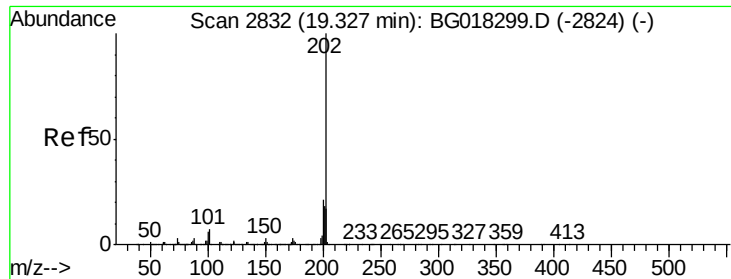
Ion Ratio Lower Upper

202 100

101 5.4 6.2 9.2#

100 3.6 4.6 6.8#

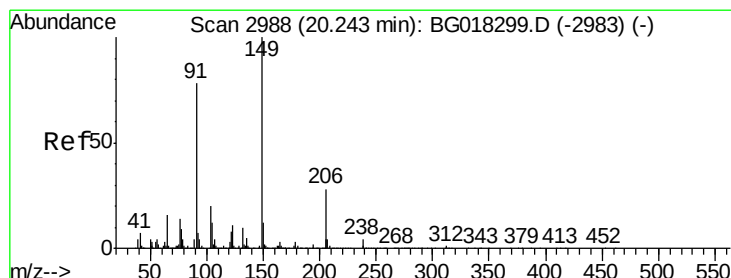
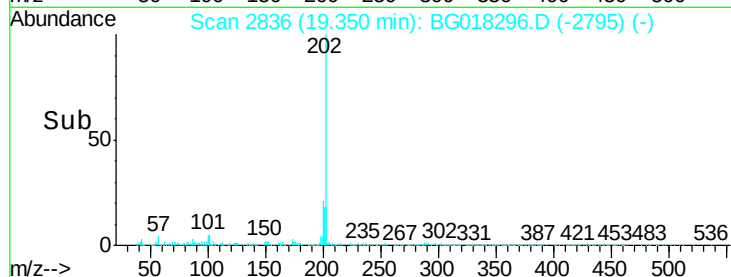
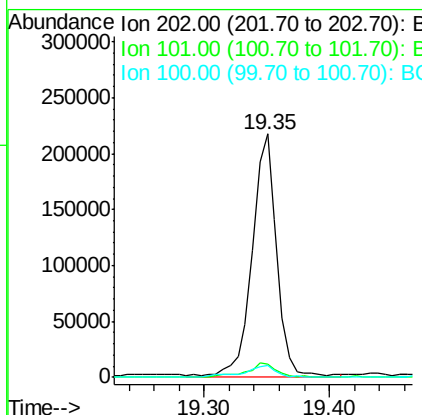
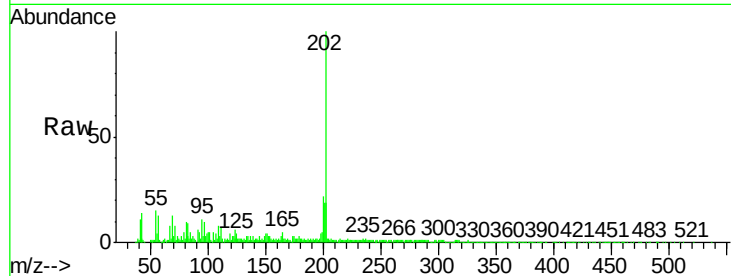




#80
Pvrene
Concen: 17.11 ng/ul m
RT: 19.35 min Scan# 2836
Delta R.T. 0.04 min
Lab File: BG018296.D
Acq: 6 Aug 2015 6:10

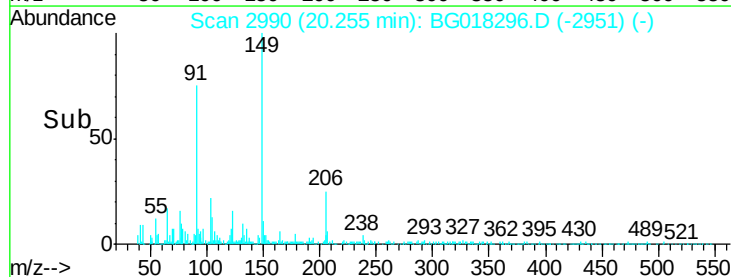
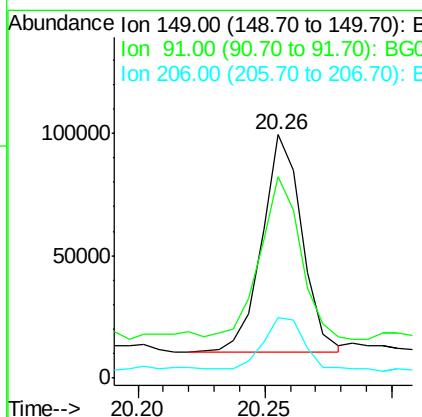
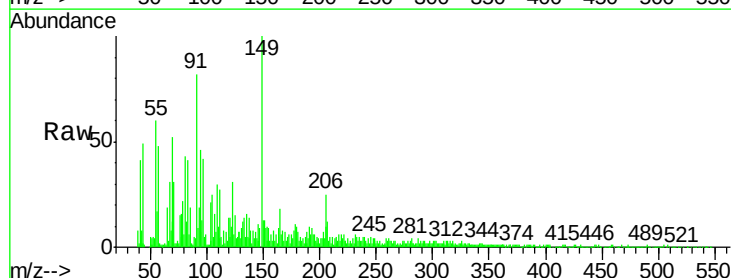
Instrument :
BNA_G
ClientSampleId :
C01W6

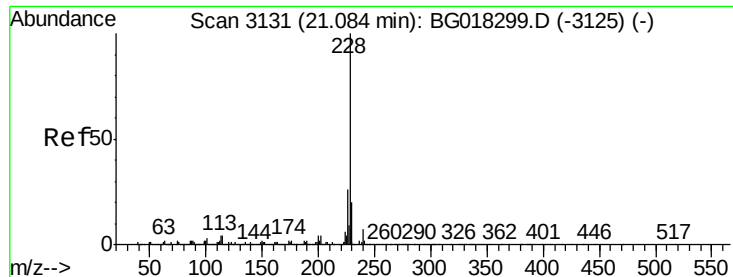
Tot Ion	Ratio	Lower	Upper
202	100		
101	5.2	6.2	9.2#
100	5.0	4.6	7.0



#81
Butylbenzylphthalate
Concen: 14.51 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	Ratio	Lower	Upper
149	100		
91	82.5	58.2	87.2
206	24.9	19.9	29.9





#83

Benzo(a)anthracene

Concen: 18.37 ng/ul m

RT: 21.11 min Scan# 3135

Delta R.T. 0.04 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

Instrument :

BNA_G

ClientSampleId :

C01W6

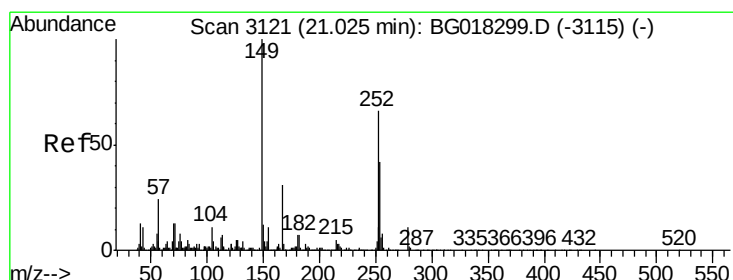
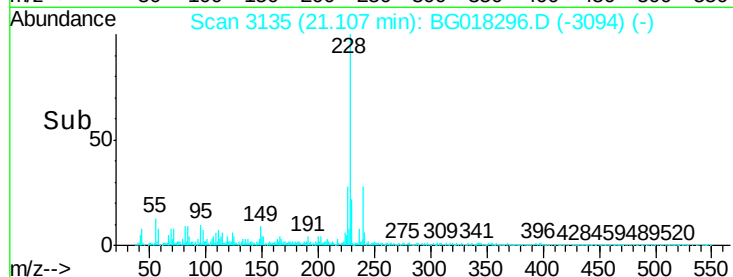
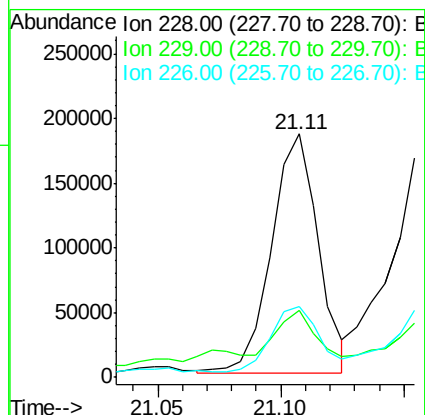
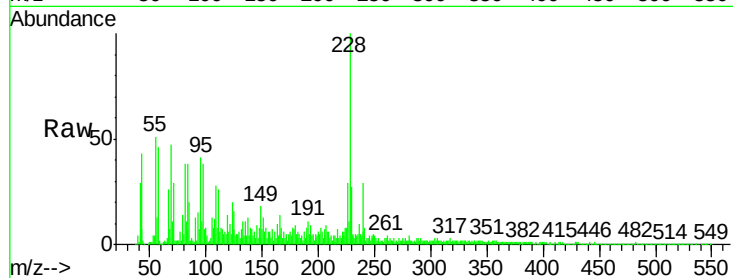
Tot Ion:228 Resp: 243698

Ion Ratio Lower Upper

228 100

229 27.4 16.3 24.5#

226 29.2 21.2 31.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 365.53 ng/ul m

RT: 21.05 min Scan# 3125

Delta R.T. 0.04 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

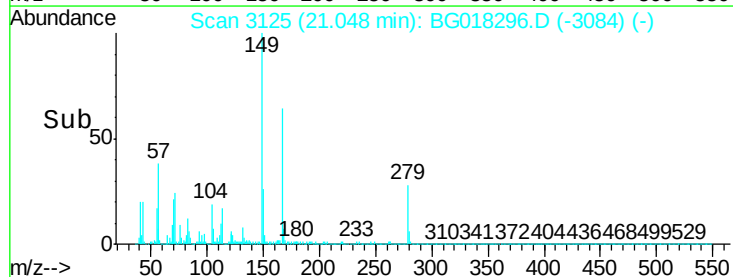
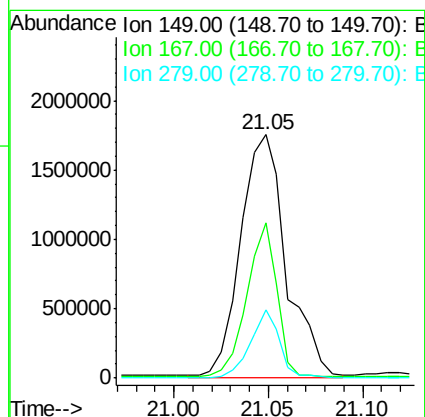
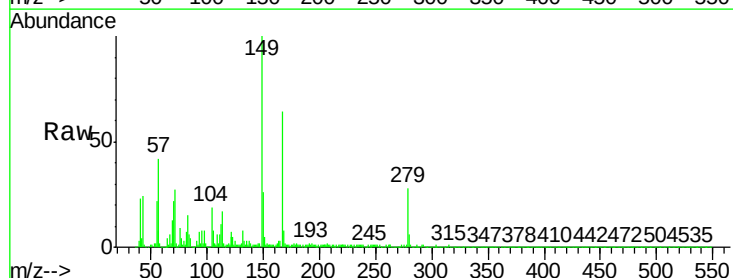
Tgt Ion:149 Resp: 2981180

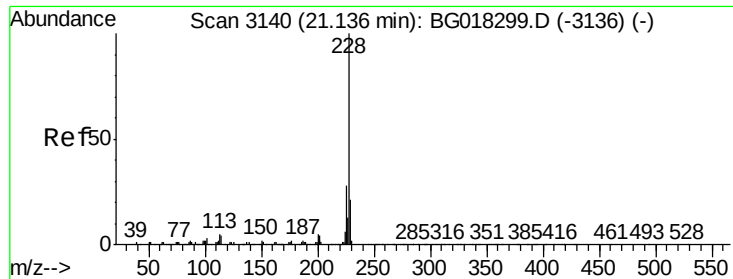
Ion Ratio Lower Upper

149 100

167 63.8 26.4 39.6#

279 27.9 8.6 12.8#

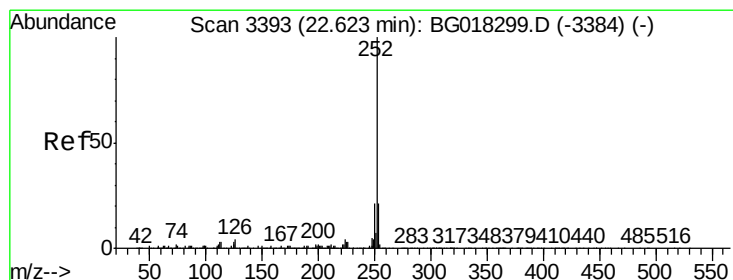
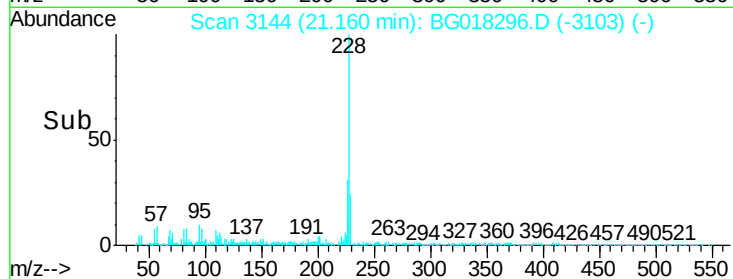
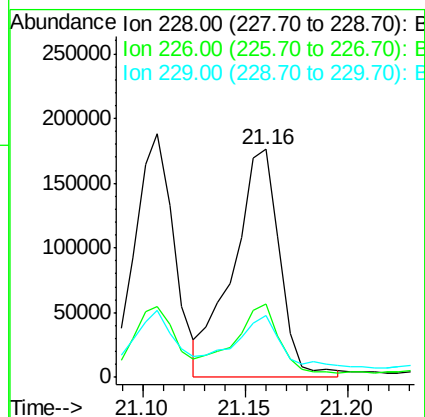
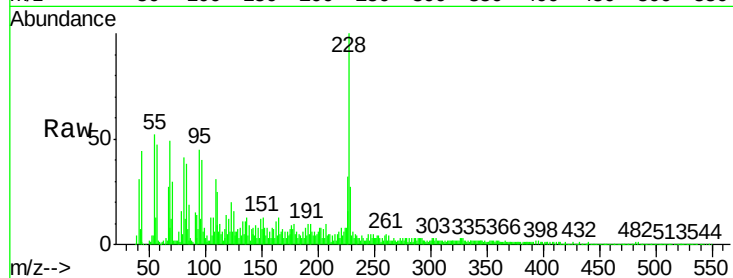




#85
Chrysene
Concen: 23.40 ng/ul m
RT: 21.16 min Scan# 3144
Delta R.T. 0.04 min
Lab File: BG018296.D
Acq: 6 Aug 2015 6:10

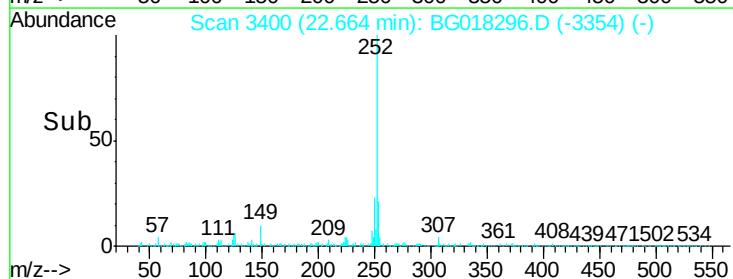
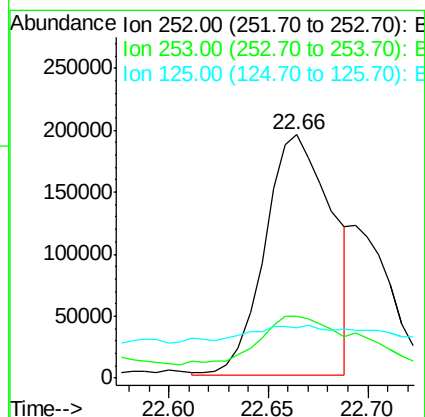
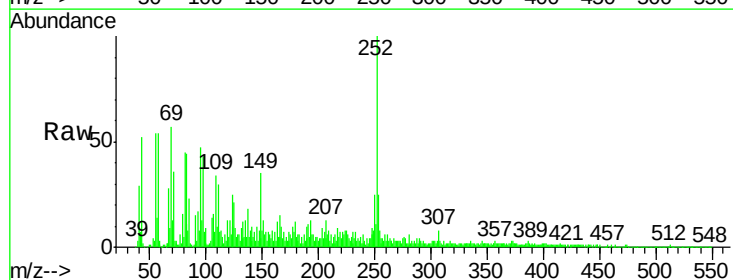
Instrument :
BNA_G
ClientSampleId :
C01W6

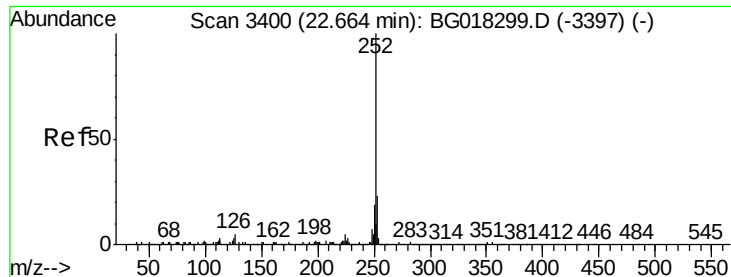
Tot Ion:228 Resp: 278889
Ion Ratio Lower Upper
228 100
226 32.3 23.0 34.6
229 27.0 15.9 23.9#



#88
Benzo(b)fluoranthene
Concen: 32.04 ng/ul m
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: 453837
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: 13.13 ng/ul m

RT: 22.69 min Scan# 3405

Delta R.T. 0.06 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

Instrument :

BNA_G

ClientSampled :

C01W6

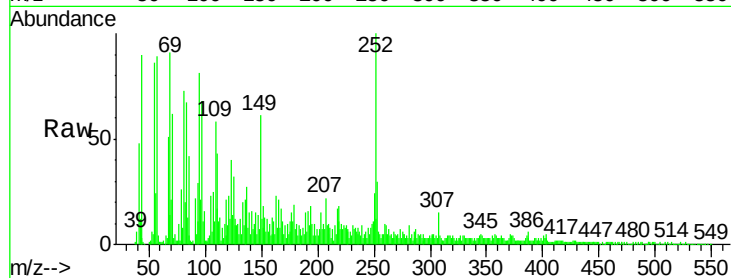
Tot Ion:252 Resp: 178304

Ion Ratio Lower Upper

252 100

253 29.7 16.4 24.6#

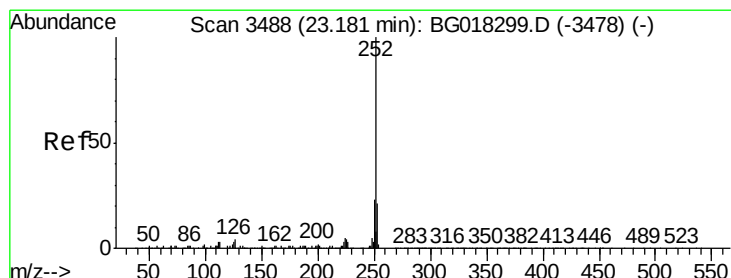
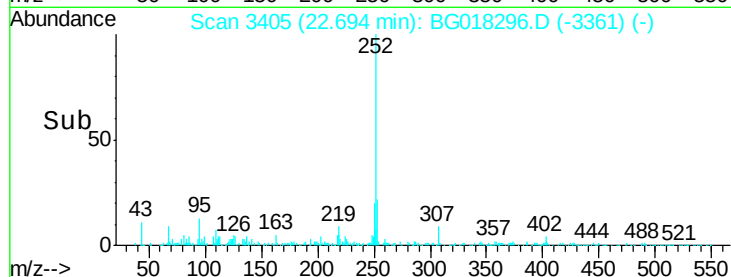
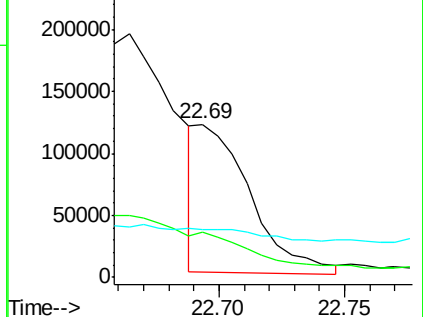
125 31.6 3.4 5.2#



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: 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

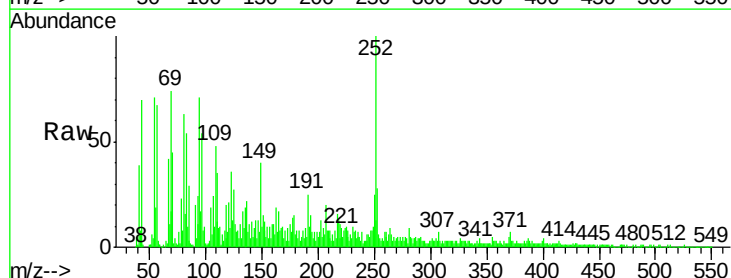
Tgt Ion:252 Resp: 241291

Ion Ratio Lower Upper

252 100

253 27.8 18.9 28.3

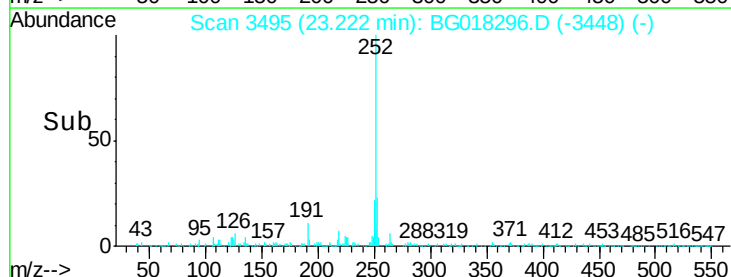
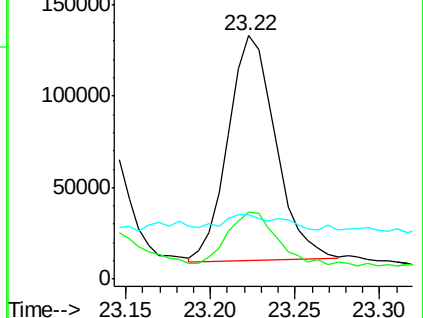
125 26.6 3.2 4.8#

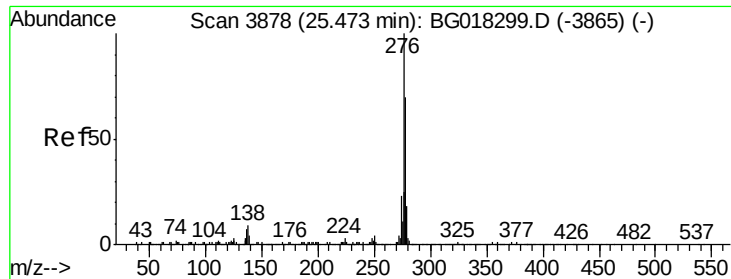


Abundance Ion 252.00 (251.70 to 252.70): E

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: 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

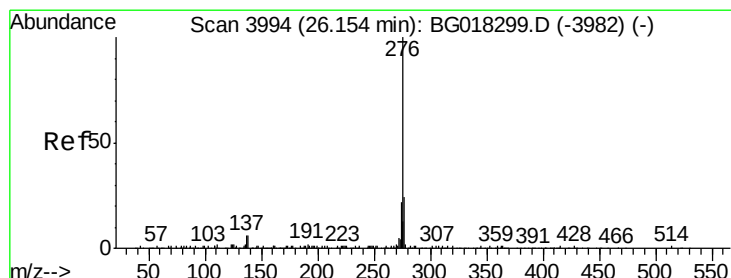
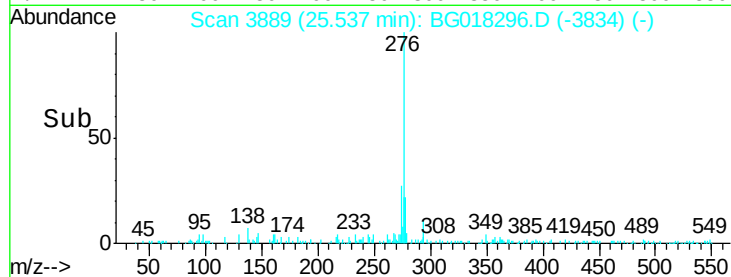
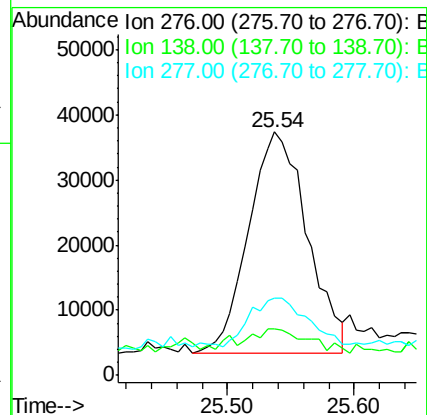
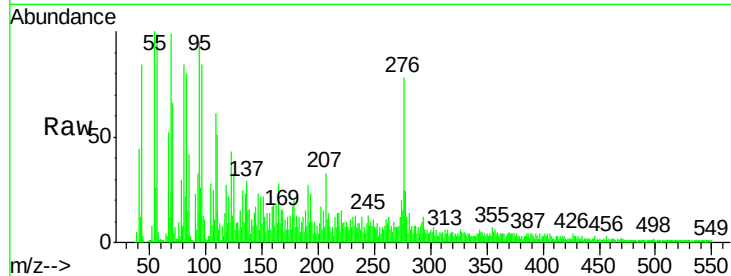
Tot Ion:276 Resp: 108892

Ion Ratio Lower Upper

276 100

138 18.8 8.2 12.4#

277 31.6 20.1 30.1#



#94

Benzo(g,h,i)perylene

Concen: 7.18 ng/ul m

RT: 26.22 min Scan# 4006

Delta R.T. 0.14 min

Lab File: BG018296.D

Acq: 6 Aug 2015 6:10

Tgt Ion:276 Resp: 89095

Ion Ratio Lower Upper

276 100

138 21.0 6.0 9.0#

277 34.0 21.1 31.7#

