

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080515\
 Data File : BG018287.D
 Acq On : 6 Aug 2015 00:57
 Operator : UM/TP
 Sample : G3109-11RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02L4RE

Quant Time: Aug 06 05:04:19 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	7.43	152	60331	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	280997	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.12	164	172865	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.98	188	229739	20.00	ng/ul	0.11
78) Chrysene-d12	21.10	240	214221	20.00	ng/ul	0.01
86) Perylene-d12	23.28	264	211136	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.90	96	1183	1.69	ng/uL	0.00
5) Phenol-d5	6.64	99	69562	14.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.77	67	34835	15.19	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	60731	15.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	33791	8.44	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	33306	15.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	41276	16.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	66283	14.33	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	3057	0.55	ng/ul	0.01
44) Dimethylphthalate-d6	13.53	166	217610	16.28	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	255824	16.87	ng/ul	0.00
52) 4-Nitrophenol-d4	14.37	143	24792	11.24	ng/ul	0.00
58) Fluorene-d10	15.12	176	189511	15.78	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.27	200	29304	18.42	ng/ul	0.00
71) Anthracene-d10	16.98	188	229068	22.67	ng/ul	0.00
79) Pyrene-d10	19.29	212	181814	15.17	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.14	264	169291	15.41	ng/ul	0.04

Target Compounds

						Qvalue
28) Naphthalene	10.26	128	69274	5.24	ng/ul	96
30) 4-Chloroaniline	10.27	127	9277	1.67	ng/ul#	1
34) 2-Methylnaphthalene	11.90	142	19316	1.82	ng/ul	96
35) 1-Methylnaphthalene	12.12	142	14791	1.44	ng/ul#	87
45) Dimethylphthalate	13.58	163	81733	6.13	ng/ul	99
48) Acenaphthylene	13.84	152	45944	2.94	ng/ul	97
50) Acenaphthene	14.18	153	95982	9.50	ng/ul	95
54) Dibenzofuran	14.52	168	74386	5.00	ng/ul	97
59) Fluorene	15.18	166	107163	8.21	ng/ul	92
70) Phenanthrene	17.01	178	311408	26.86	ng/ul	99
72) Anthracene	17.01	178	305999	26.45	ng/ul	99
75) Carbazole	17.29	167	120574	12.35	ng/ul	98
77) Fluoranthene	19.11	202	13283	1.03	ng/ul	98
80) Pyrene	19.34	202	1944442	130.54	ng/ul	98
83) Benzo(a)anthracene	21.09	228	919908	81.36	ng/ul	96
85) Chrysene	21.14	228	897896	88.38	ng/ul	94
88) Benzo(b)fluoranthene	22.67	252	502898	38.84	ng/ul	95
89) Benzo(k)fluoranthene	22.64	252	1561832	125.78	ng/ul	94
91) Benzo(a)pyrene	23.20	252	1127958	99.77	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	25.50	276	695112	49.70	ng/ul	98
93) Dibenzo(a,h)anthracene	25.49	278	179861	14.66	ng/ul#	90
94) Benzo(g,h,i)perylene	26.17	276	596642	52.56	ng/ul	99

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

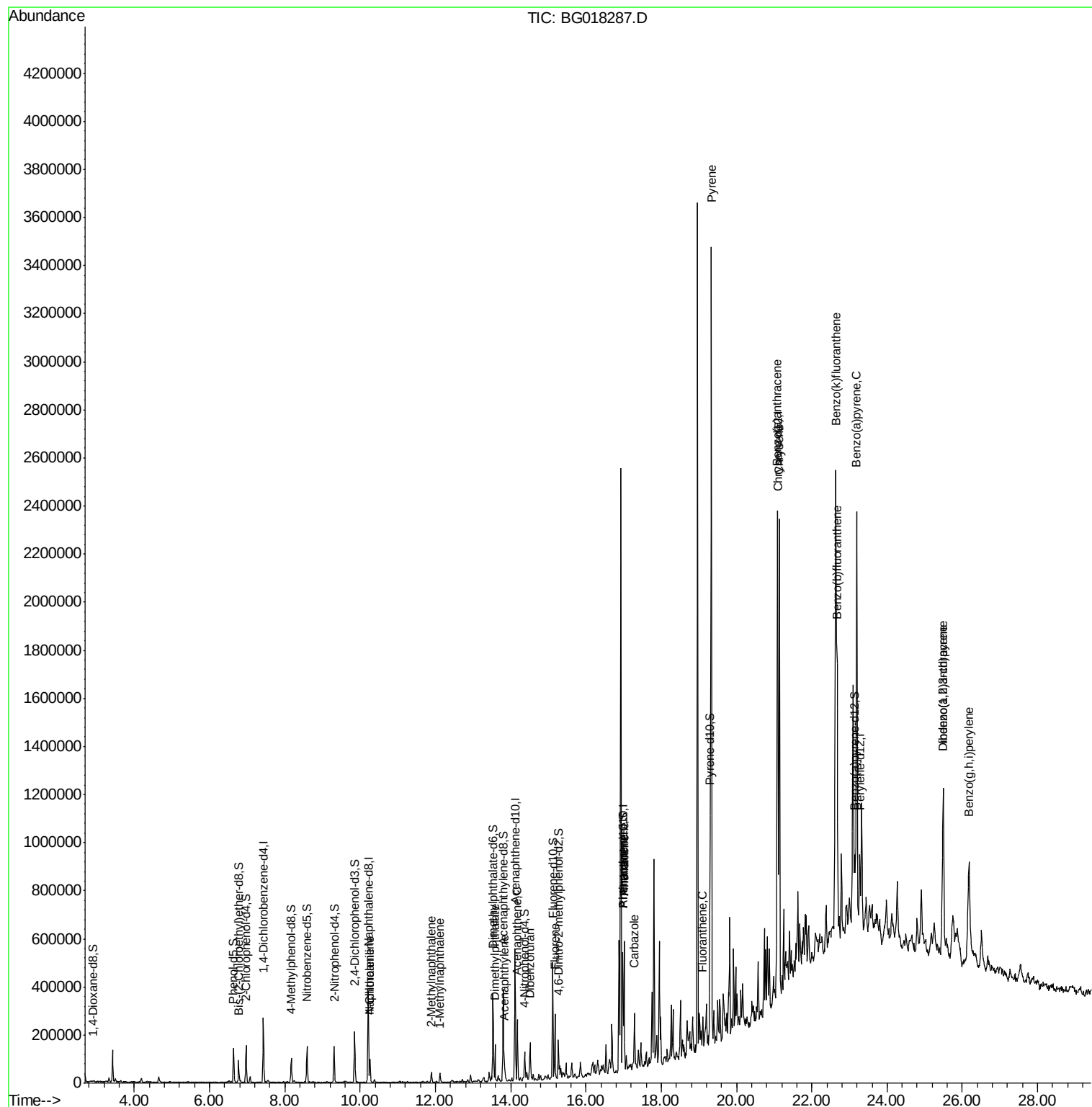
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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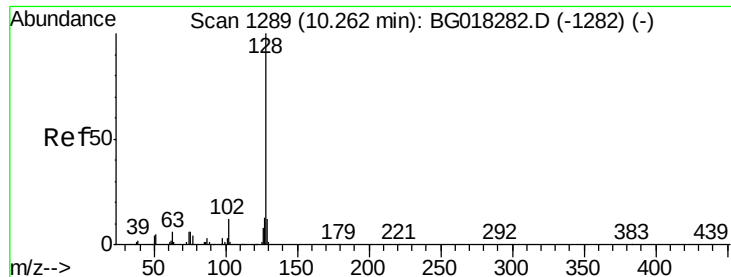
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 5.24 ng/ul

RT: 10.26 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BG018287.D

Acq: 6 Aug 2015 00:57

Instrument :

BNA_G

ClientSampleId :

C02L4RE

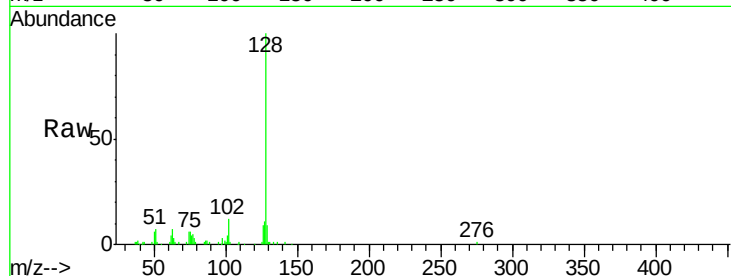
Tgt Ion:128 Resp: 69274

Ion Ratio Lower Upper

128 100

129 9.2 7.8 11.6

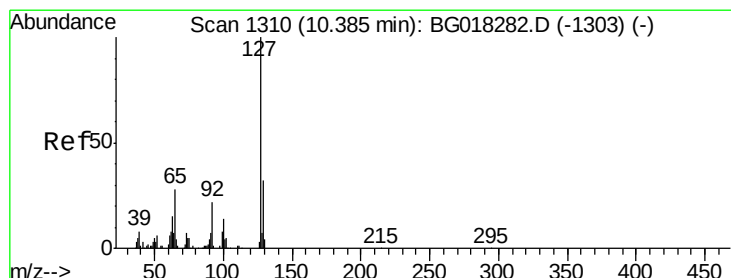
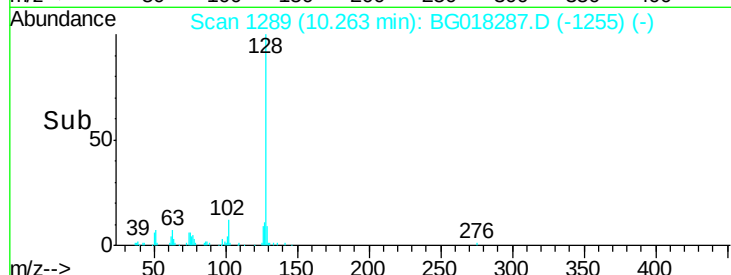
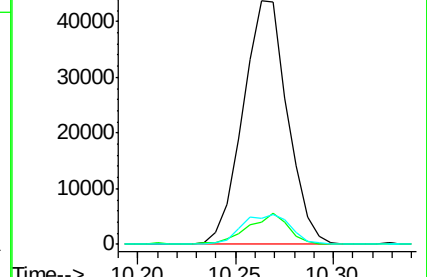
127 10.6 10.2 15.4



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



#30

4-Chloroaniline

Concen: 1.67 ng/ul

RT: 10.27 min Scan# 1290

Delta R.T. -0.12 min

Lab File: BG018287.D

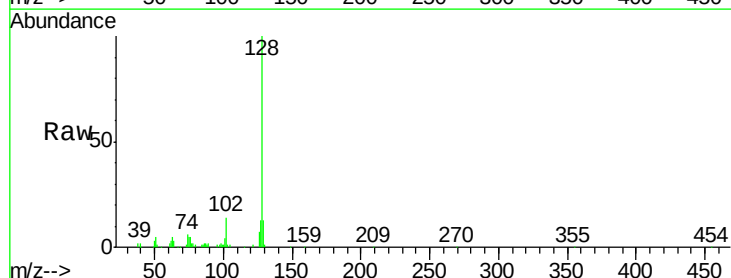
Acq: 6 Aug 2015 00:57

Tgt Ion:127 Resp: 9277

Ion Ratio Lower Upper

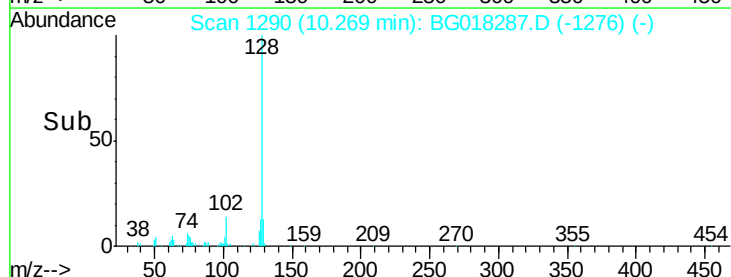
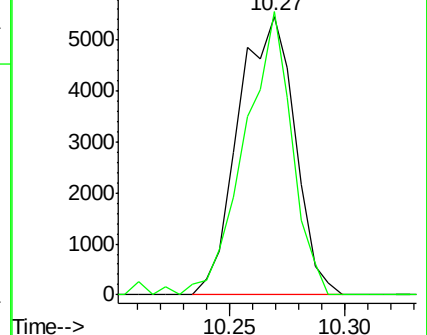
127 100

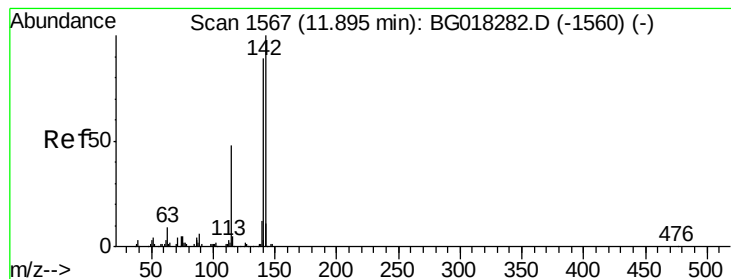
129 106.0 28.6 42.8#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 1.82 ng/ul

RT: 11.90 min Scan# 1567

Delta R.T. 0.00 min

Lab File: BG018287.D

Acq: 6 Aug 2015 00:57

Instrument :

BNA_G

ClientSampled :

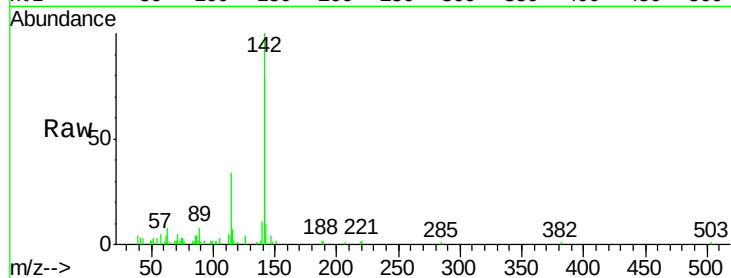
C02L4RE

Tgt Ion:142 Resp: 19316

Ion Ratio Lower Upper

142 100

141 79.2 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

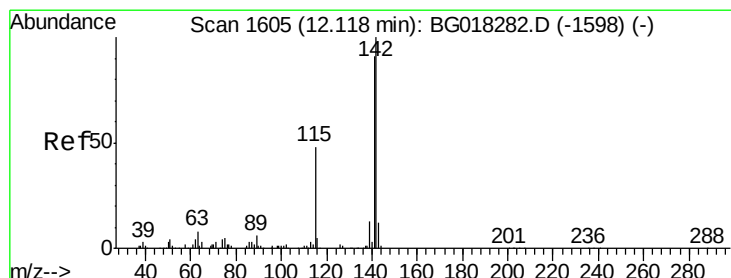
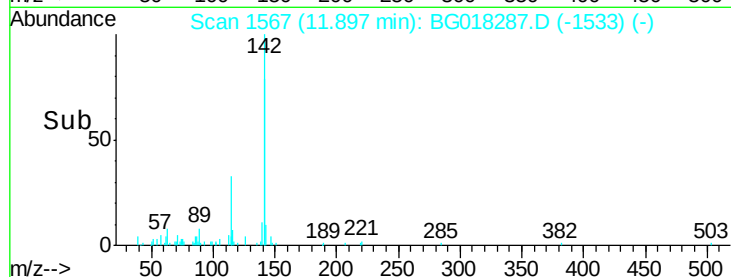
15000

10000

5000

0

Time-->



#35

1-Methylnaphthalene

Concen: 1.44 ng/ul

RT: 12.12 min Scan# 1605

Delta R.T. 0.00 min

Lab File: BG018287.D

Acq: 6 Aug 2015 00:57

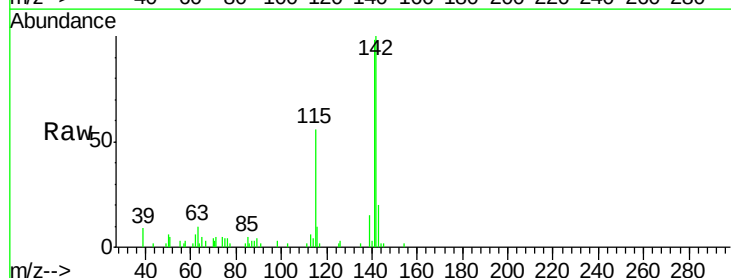
Tgt Ion:142 Resp: 14791

Ion Ratio Lower Upper

142 100

141 98.1 69.0 103.4

116 9.6 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

12.12

12000

10000

8000

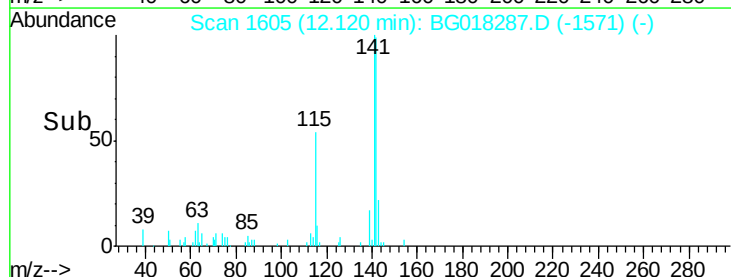
6000

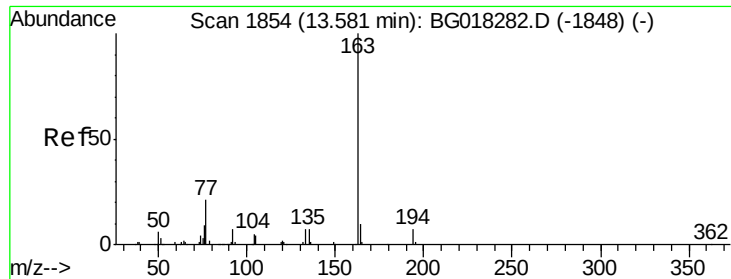
4000

2000

0

Time-->





#45

Dimethylphthalate

Concen: 6.13 ng/ul

RT: 13.58 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BG018287.D

Acq: 6 Aug 2015 00:57

Instrument :

BNA_G

ClientSampleId :

C02L4RE

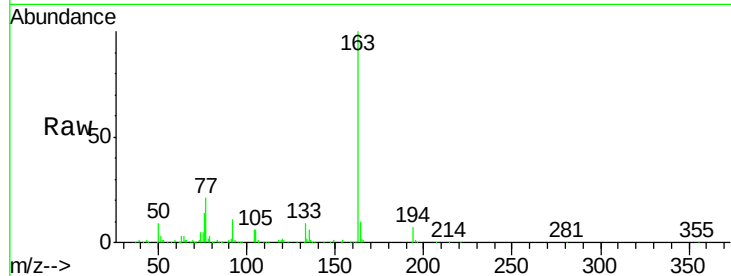
Tgt Ion:163 Resp: 81733

Ion Ratio Lower Upper

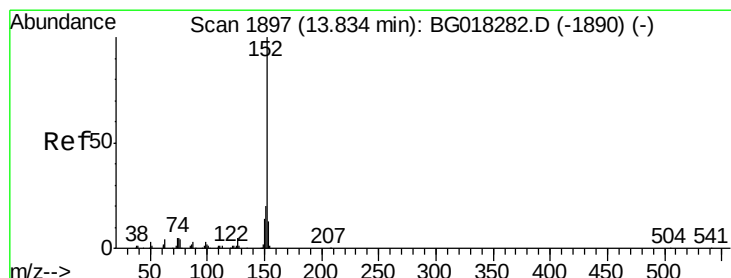
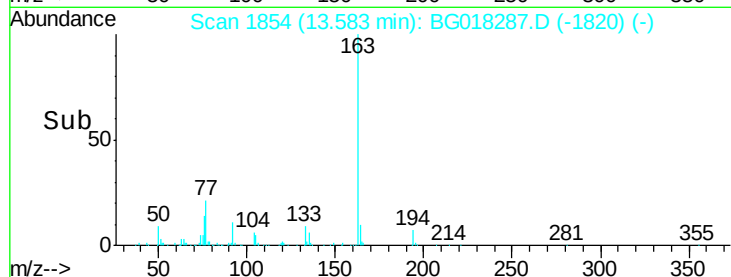
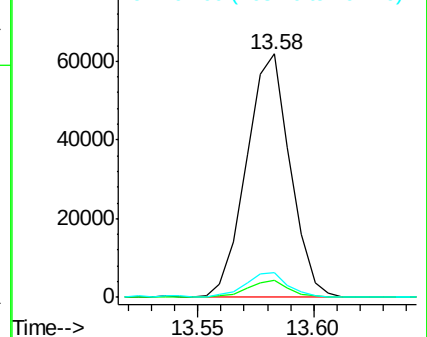
163 100

194 7.0 5.4 8.2

164 10.2 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



#48

Acenaphthylene

Concen: 2.94 ng/ul

RT: 13.84 min Scan# 1897

Delta R.T. 0.00 min

Lab File: BG018287.D

Acq: 6 Aug 2015 00:57

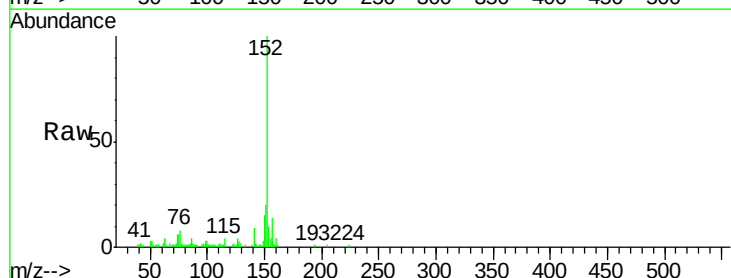
Tgt Ion:152 Resp: 45944

Ion Ratio Lower Upper

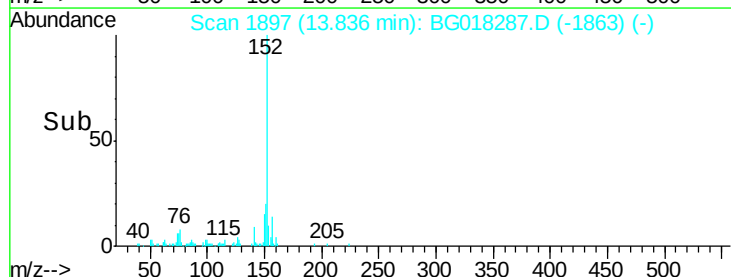
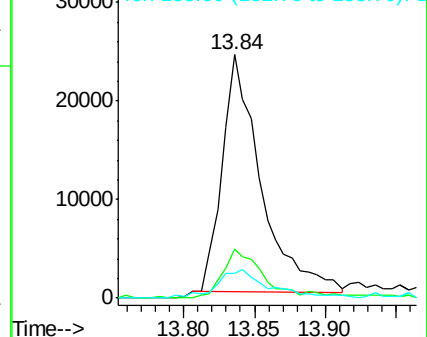
152 100

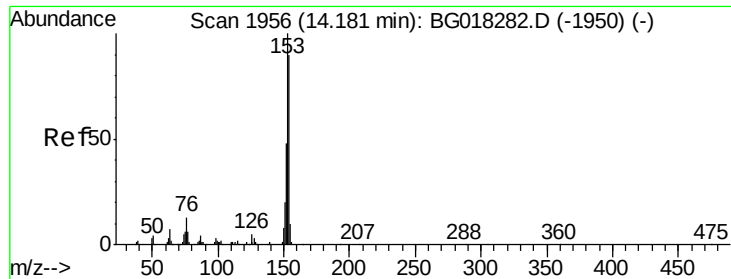
151 20.0 16.5 24.7

153 9.9 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: 9.50 ng/ul

RT: 14.18 min Scan# 1956

Delta R.T. 0.00 min

Lab File: BG018287.D

Acq: 6 Aug 2015 00:57

Instrument :

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ClientSampleId :

C02L4RE

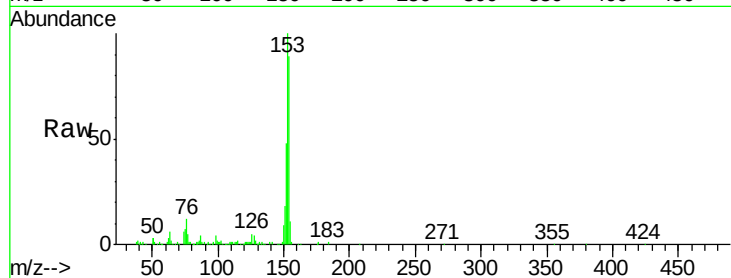
Tgt Ion:153 Resp: 95982

Ion Ratio Lower Upper

153 100

152 48.1 39.0 58.4

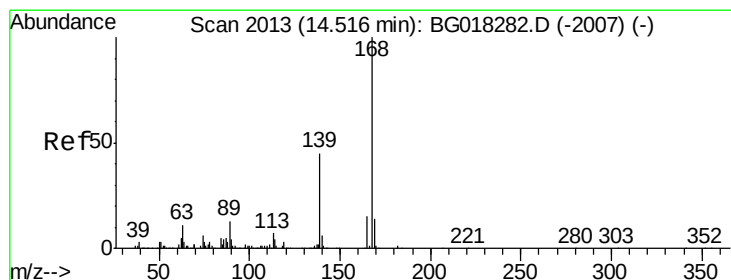
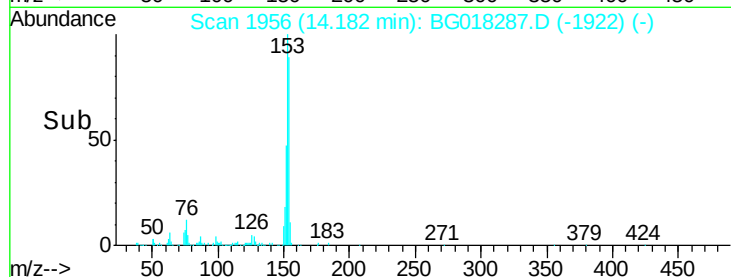
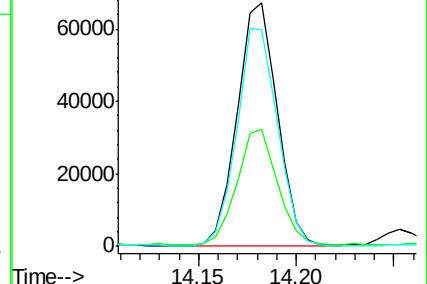
154 89.2 77.4 116.2



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: 5.00 ng/ul

RT: 14.52 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BG018287.D

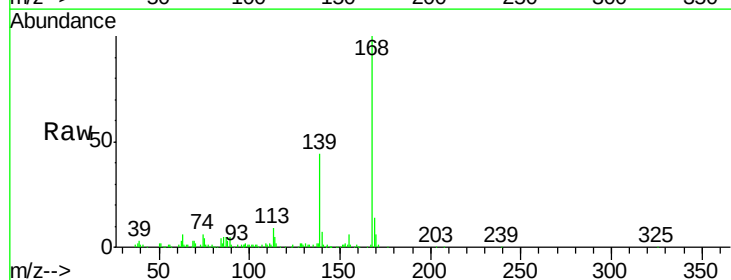
Acq: 6 Aug 2015 00:57

Tgt Ion:168 Resp: 74386

Ion Ratio Lower Upper

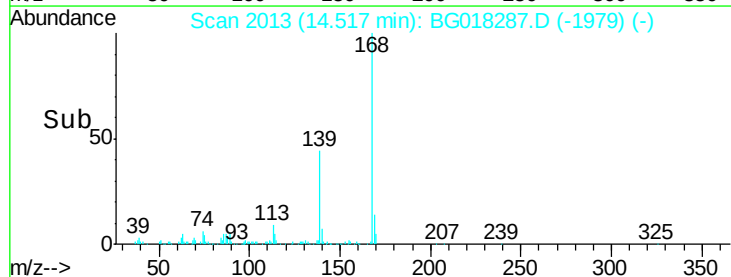
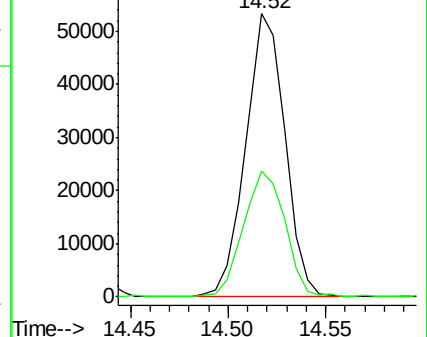
168 100

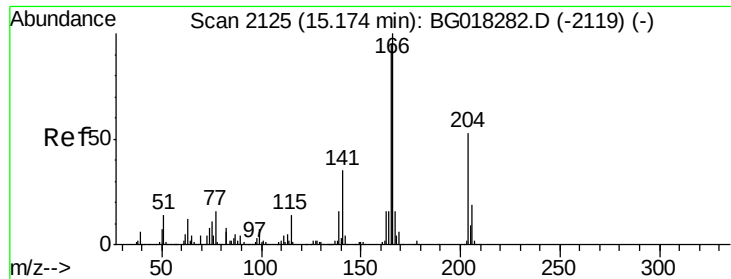
139 44.4 37.1 55.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 8.21 ng/ul

RT: 15.18 min Scan# 2125

Delta R.T. 0.00 min

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Acq: 6 Aug 2015 00:57

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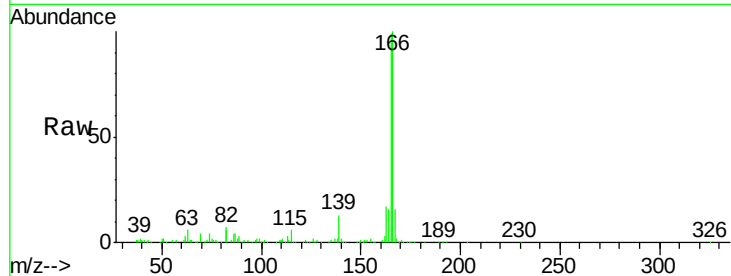
Tgt Ion:166 Resp: 107163

Ion Ratio Lower Upper

166 100

165 99.0 72.4 108.6

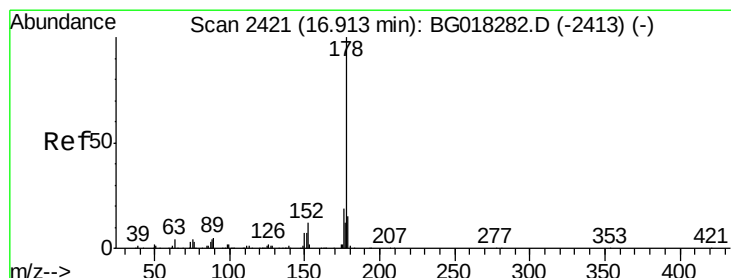
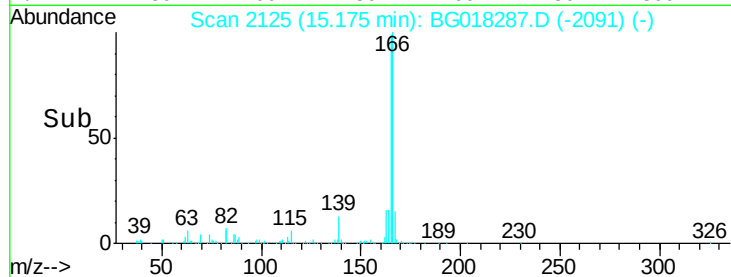
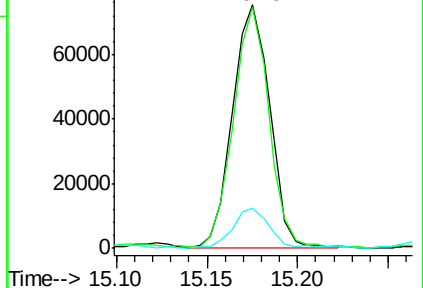
167 16.2 11.4 17.0



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: 26.86 ng/ul

RT: 17.01 min Scan# 2438

Delta R.T. 0.10 min

Lab File: BG018287.D

Acq: 6 Aug 2015 00:57

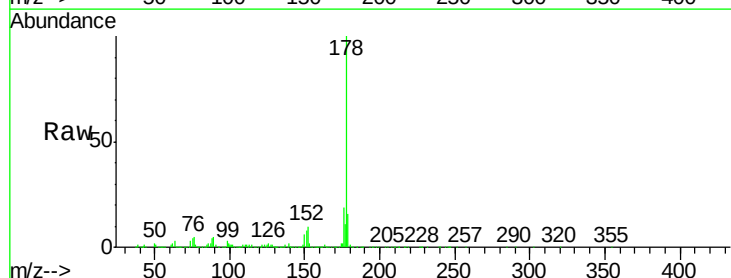
Tgt Ion:178 Resp: 311408

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

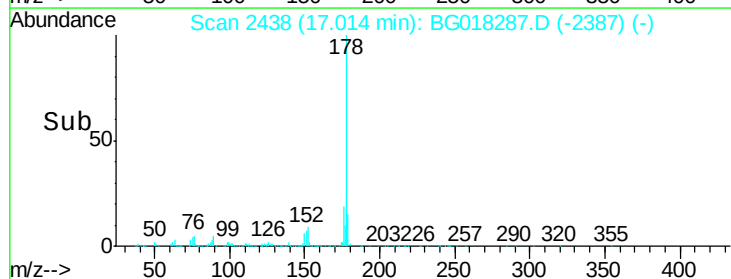
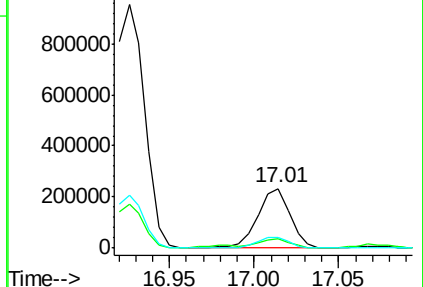
176 18.7 14.5 21.7

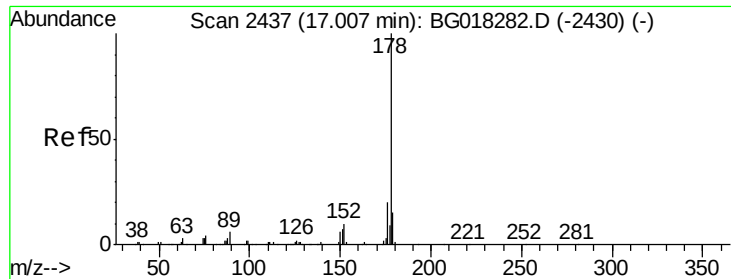


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 26.45 ng/ul

RT: 17.01 min Scan# 2438

Delta R.T. 0.01 min

Lab File: BG018287.D

Acq: 6 Aug 2015 00:57

Instrument :

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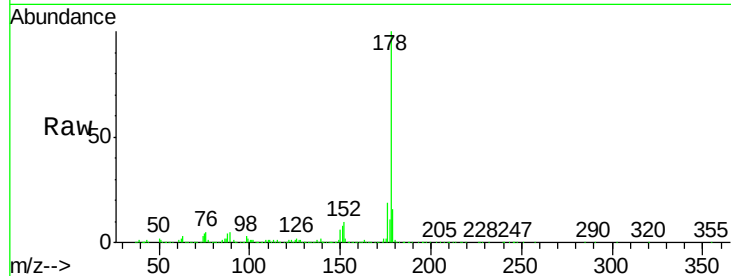
Tgt Ion:178 Resp: 305999

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

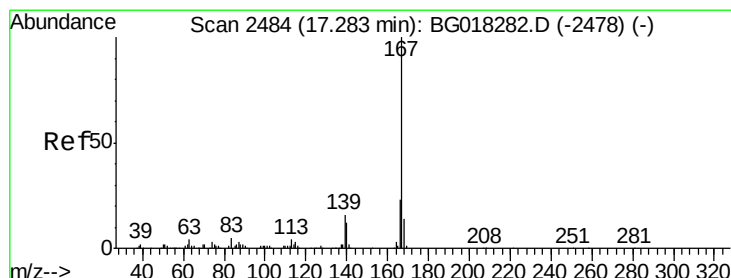
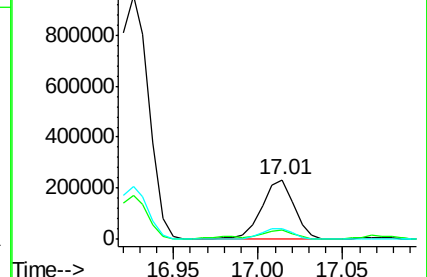
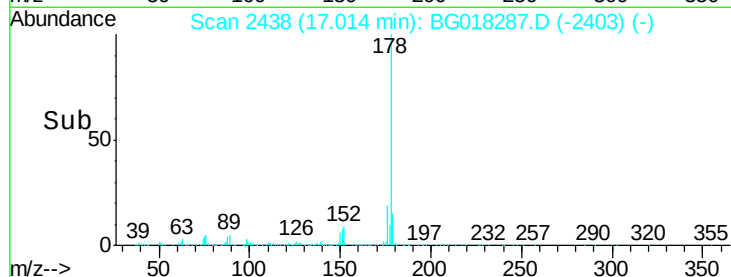
176 18.7 15.3 22.9



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: 12.35 ng/ul

RT: 17.29 min Scan# 2485

Delta R.T. 0.01 min

Lab File: BG018287.D

Acq: 6 Aug 2015 00:57

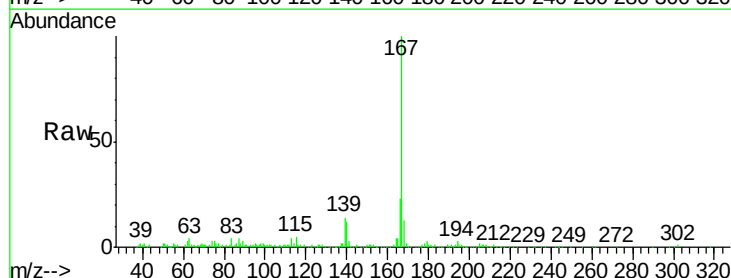
Tgt Ion:167 Resp: 120574

Ion Ratio Lower Upper

167 100

166 23.0 17.8 26.8

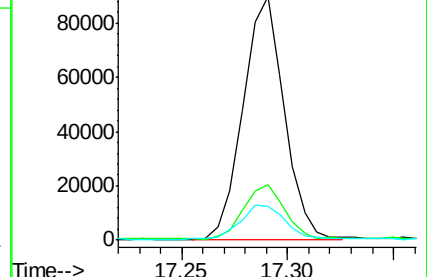
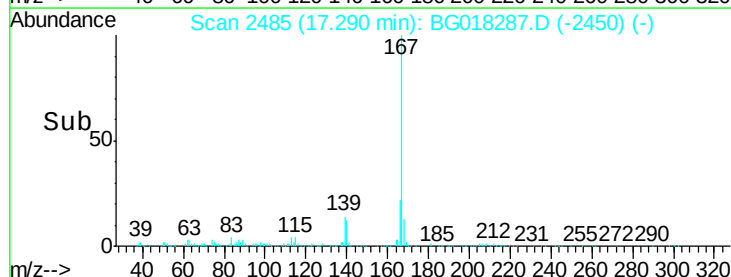
139 14.1 10.6 16.0

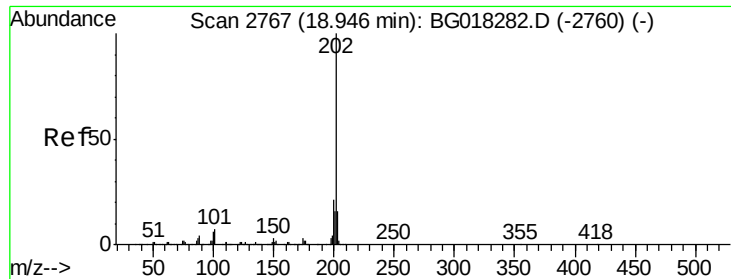


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

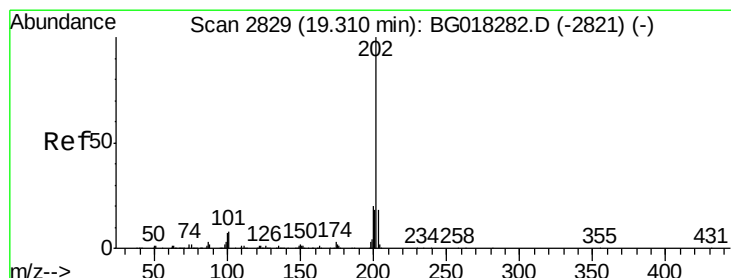
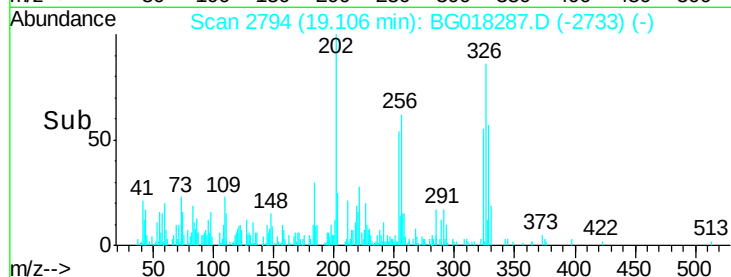
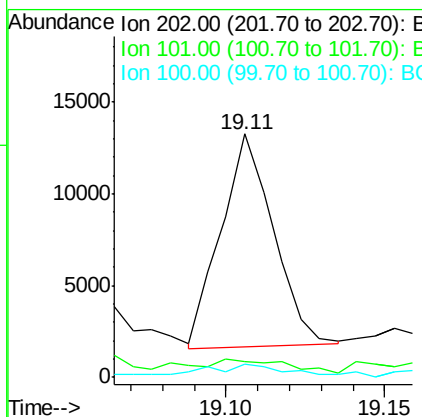
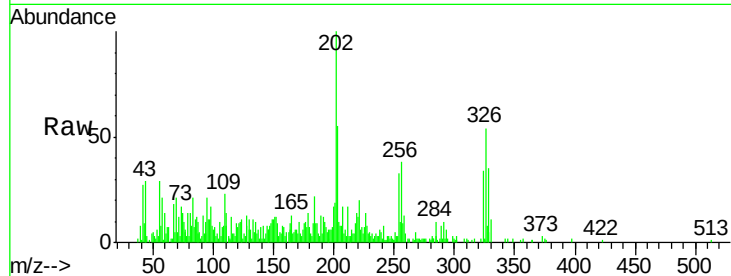




#77
 Fluoranthene
 Concen: 1.03 ng/ul
 RT: 19.11 min Scan# 2794
 Delta R.T. 0.16 min
 Lab File: BG018287.D
 Acq: 6 Aug 2015 00:57

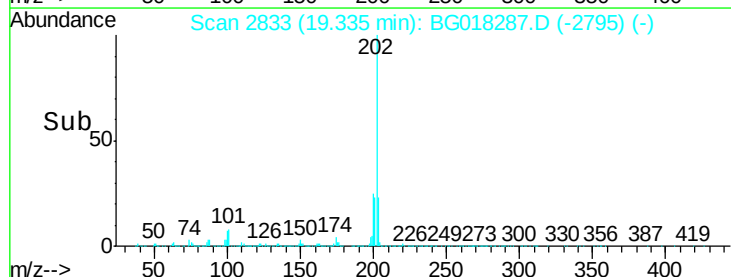
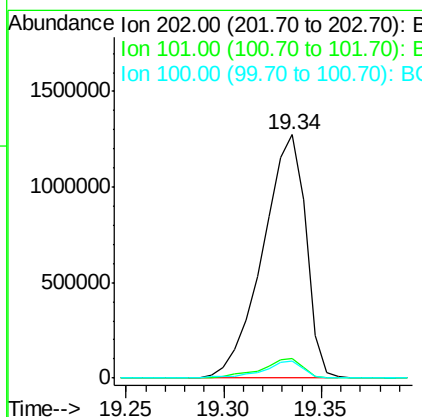
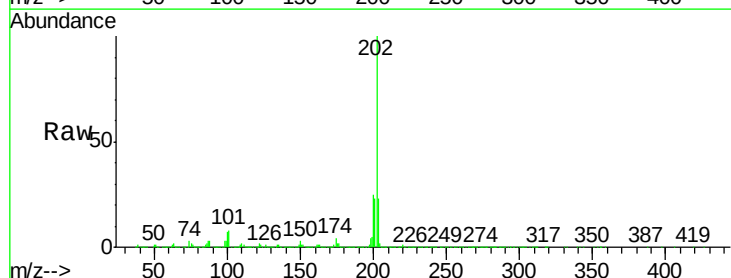
Instrument :
 BNA_G
 ClientSampleId :
 C02L4RE

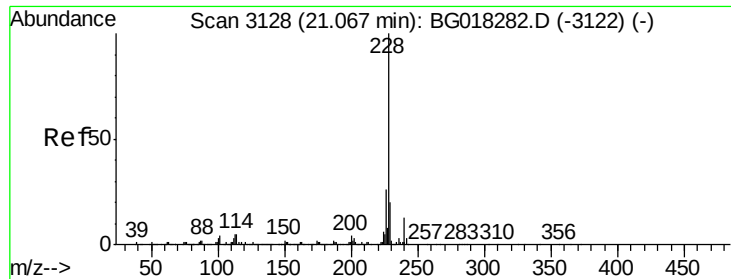
Tgt Ion:202 Resp: 13283
 Ion Ratio Lower Upper
 202 100
 101 6.5 6.2 9.2
 100 5.6 4.6 6.8



#80
 Pyrene
 Concen: 130.54 ng/ul
 RT: 19.34 min Scan# 2833
 Delta R.T. 0.03 min
 Lab File: BG018287.D
 Acq: 6 Aug 2015 00:57

Tgt Ion:202 Resp: 1944442
 Ion Ratio Lower Upper
 202 100
 101 8.2 6.2 9.2
 100 6.9 4.6 7.0

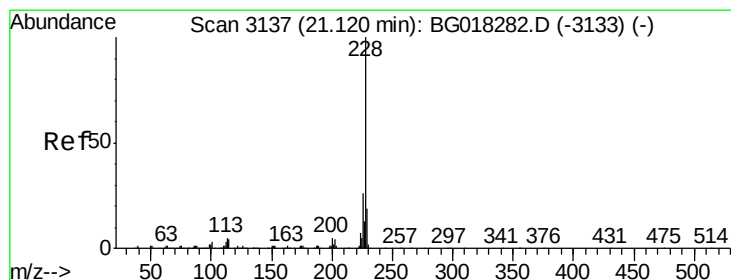
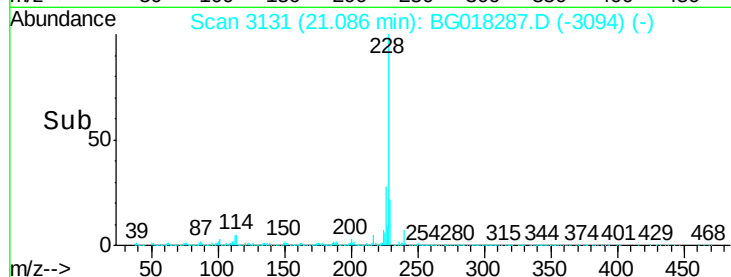
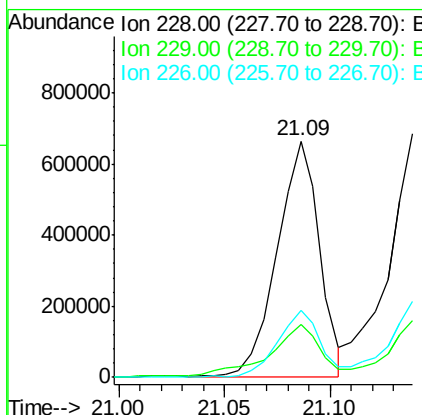
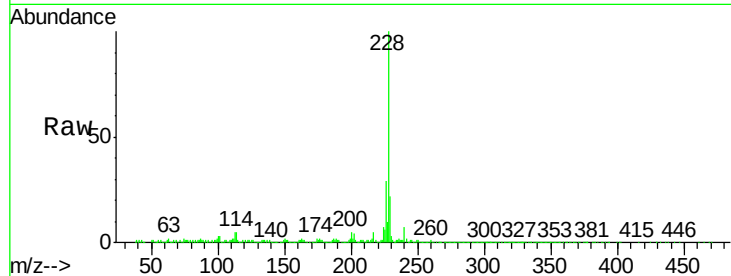




#83
Benzo(a)anthracene
Concen: 81.36 ng/ul
RT: 21.09 min Scan# 3131
Delta R.T. 0.02 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

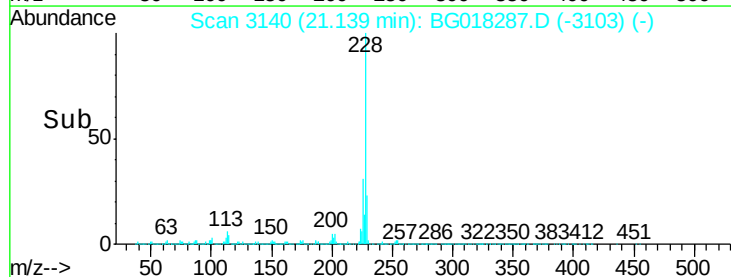
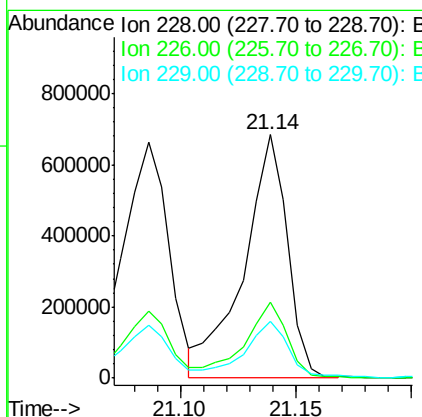
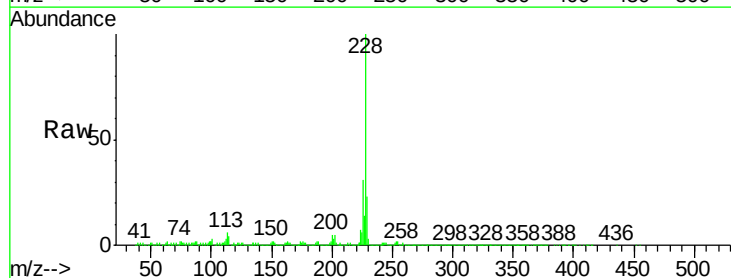
Instrument :
BNA_G
ClientSampleId :
C02L4RE

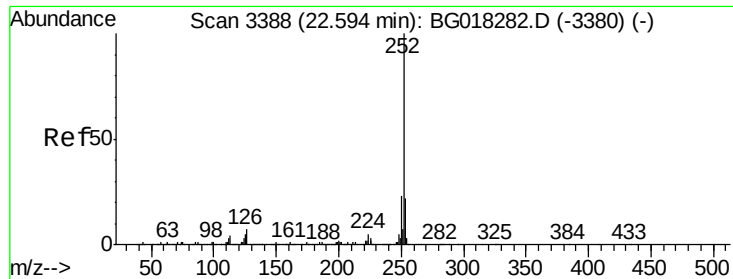
Tgt Ion:228 Resp: 919908
Ion Ratio Lower Upper
228 100
229 22.4 16.3 24.5
226 28.5 21.2 31.8



#85
Chrysene
Concen: 88.38 ng/ul
RT: 21.14 min Scan# 3140
Delta R.T. 0.02 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:228 Resp: 897896
Ion Ratio Lower Upper
228 100
226 31.0 23.0 34.6
229 23.5 15.9 23.9

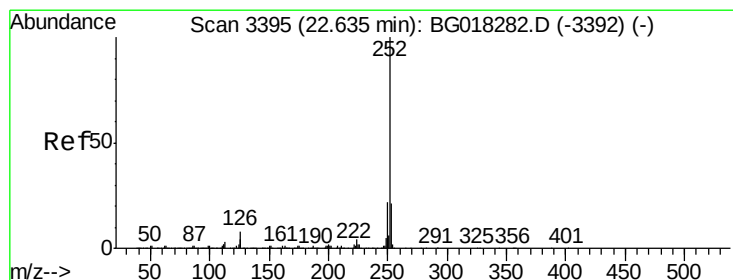
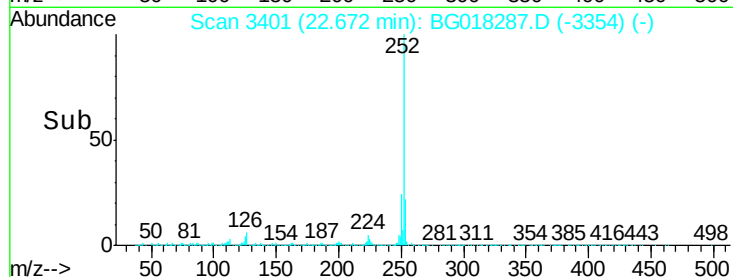
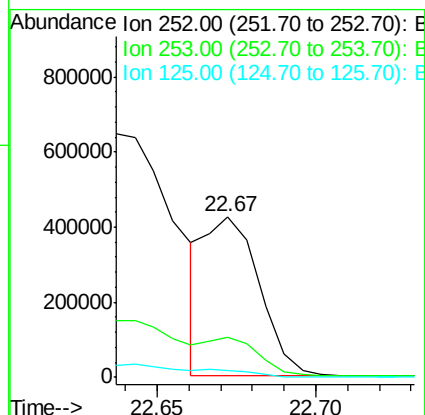
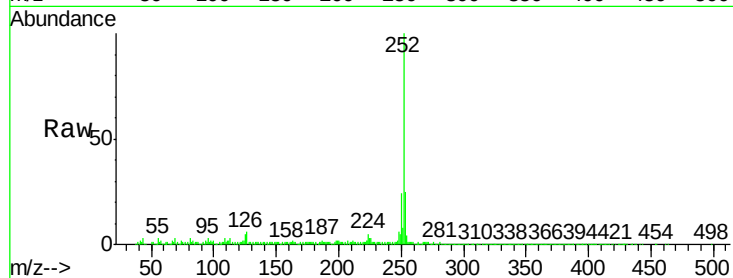




#88
Benzo(b)fluoranthene
Concen: 38.84 ng/ul
RT: 22.67 min Scan# 3401
Delta R.T. 0.08 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

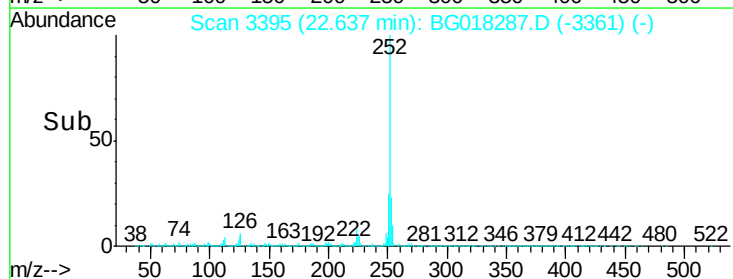
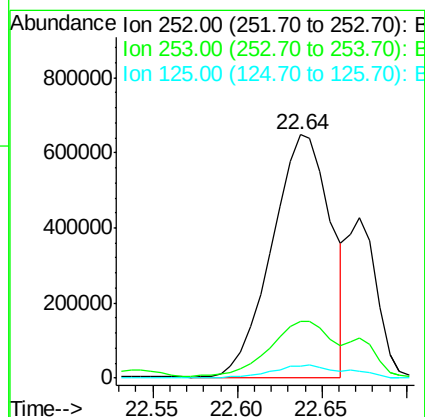
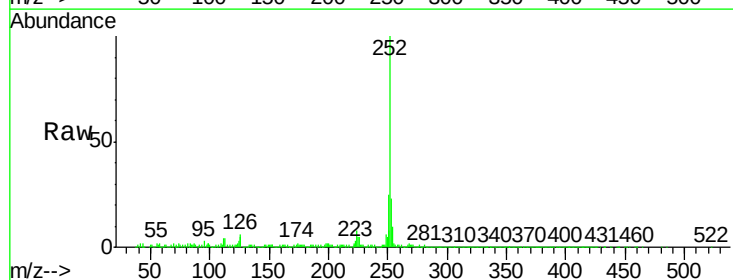
Instrument :
BNA_G
ClientSampleId :
C02L4RE

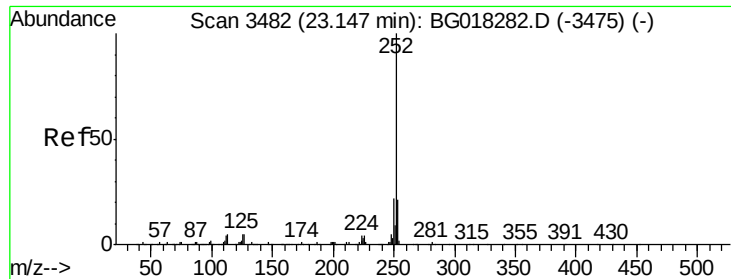
Tgt Ion:252 Resp: 502898
Ion Ratio Lower Upper
252 100
253 25.1 18.1 27.1
125 4.5 3.1 4.7



#89
Benzo(k)fluoranthene
Concen: 125.78 ng/ul
RT: 22.64 min Scan# 3395
Delta R.T. 0.00 min
Lab File: BG018287.D
Acq: 6 Aug 2015 00:57

Tgt Ion:252 Resp: 1561832
Ion Ratio Lower Upper
252 100
253 23.4 16.4 24.6
125 5.1 3.4 5.2





#91

Benzo(a)pyrene

Concen: 99.77 ng/ul

RT: 23.20 min Scan# 3491

Delta R.T. 0.05 min

Lab File: BG018287.D

Acq: 6 Aug 2015 00:57

Instrument :

BNA_G

ClientSampleId :

C02L4RE

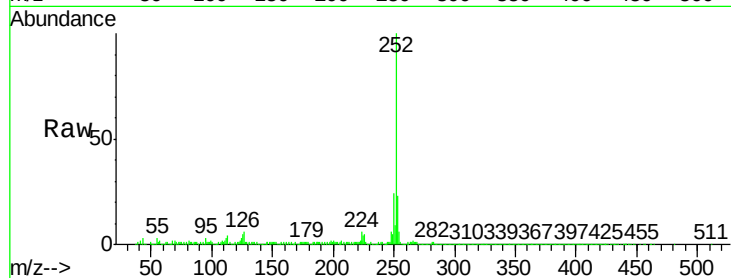
Tgt Ion:252 Resp: 1127958

Ion Ratio Lower Upper

252 100

253 23.5 18.9 28.3

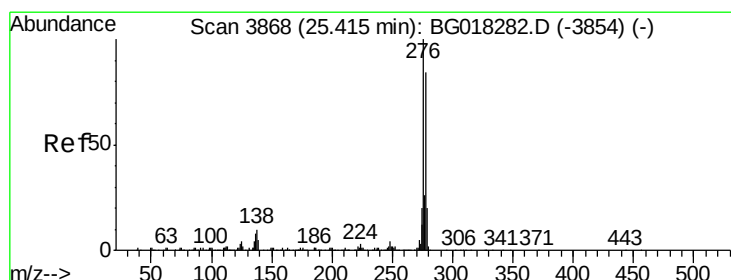
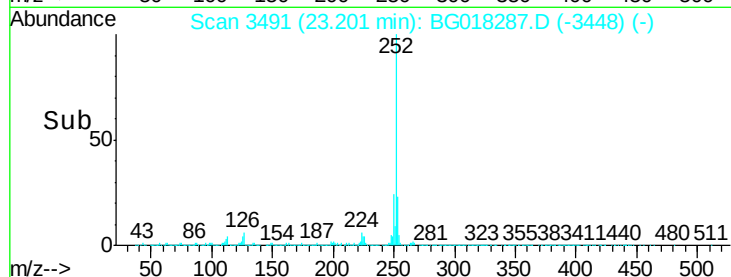
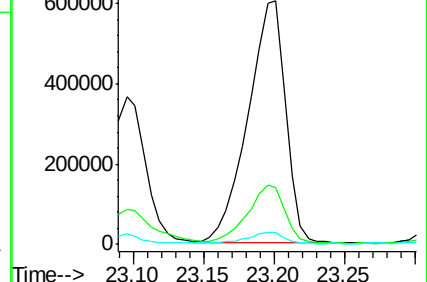
125 4.7 3.2 4.8



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: 49.70 ng/ul

RT: 25.50 min Scan# 3882

Delta R.T. 0.08 min

Lab File: BG018287.D

Acq: 6 Aug 2015 00:57

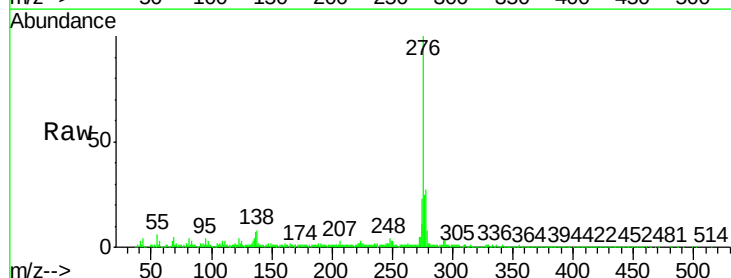
Tgt Ion:276 Resp: 695112

Ion Ratio Lower Upper

276 100

138 8.5 8.2 12.4

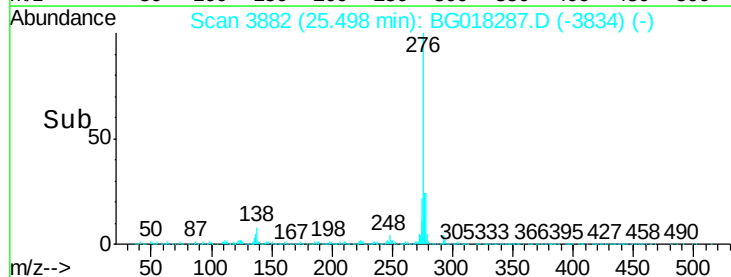
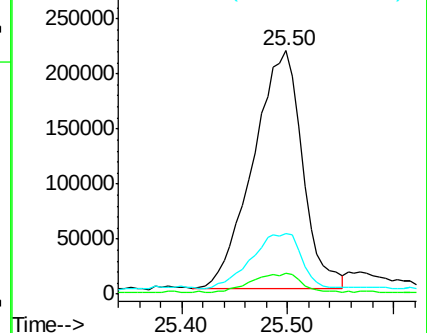
277 24.7 20.1 30.1

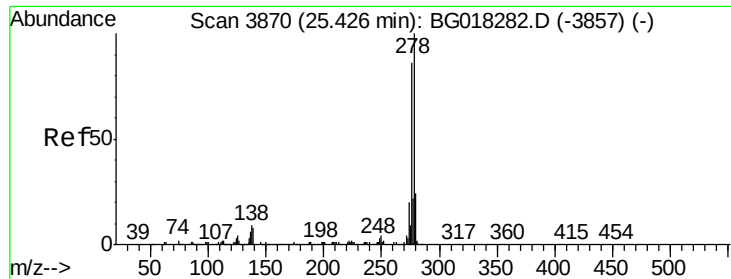


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 14.66 ng/ul

RT: 25.49 min Scan# 3880

Delta R.T. 0.06 min

Lab File: BG018287.D

Acq: 6 Aug 2015 00:57

Instrument :

BNA_G

ClientSampleId :

C02L4RE

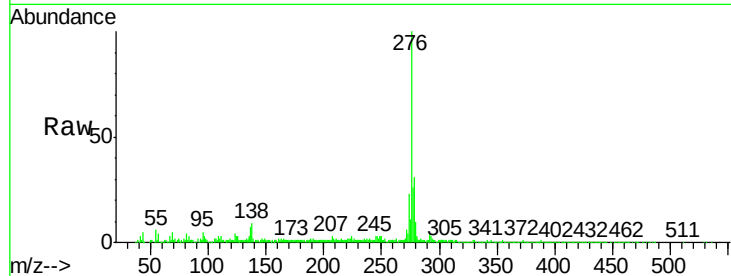
Tgt Ion:278 Resp: 179861

Ion Ratio Lower Upper

278 100

139 7.8 5.8 8.8

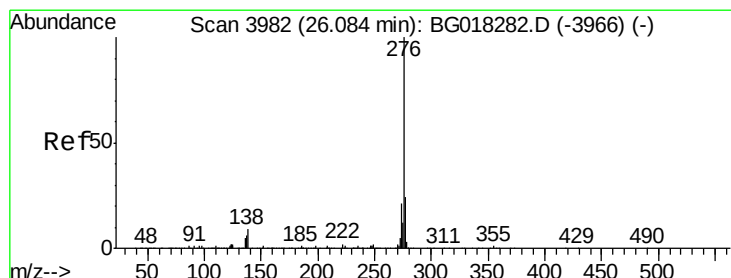
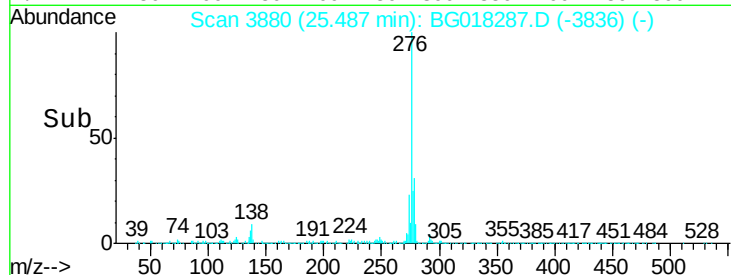
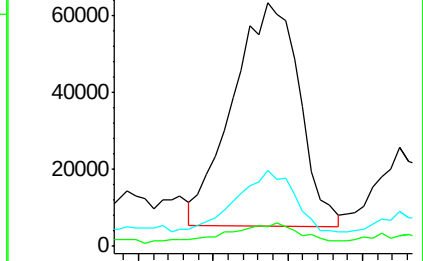
279 31.2 19.8 29.6#



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(g,h,i)perylene

Concen: 52.56 ng/ul

RT: 26.17 min Scan# 3997

Delta R.T. 0.09 min

Lab File: BG018287.D

Acq: 6 Aug 2015 00:57

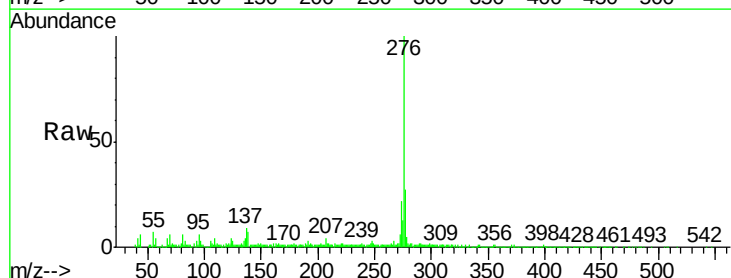
Tgt Ion:276 Resp: 596642

Ion Ratio Lower Upper

276 100

138 7.2 6.0 9.0

277 27.2 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

