

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
 Data File : BG018161.D
 Acq On : 28 Jul 2015 23:53
 Operator : TP/UM
 Sample : G3048-01
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01S6

Quant Time: Jul 29 02:06:49 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 01:59:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	49537	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	220789	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.19	164	136641	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	271006	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	305655	20.00	ng/ul	0.01
86) Perylene-d12	23.36	264	319136	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	1083	1.37	ng/uL	0.00
5) Phenol-d5	6.71	99	30147	7.89	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.85	67	17166	9.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	31299	9.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	11639	3.43	ng/ul	0.01
19) Nitrobenzene-d5	8.67	128	18405	10.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	20692	11.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	28341	8.83	ng/ul	0.01
29) 4-Chloroaniline-d4	10.45	131	2860	0.77	ng/ul	0.01
44) Dimethylphthalate-d6	13.60	166	99388	10.36	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	123149	10.45	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	11477	5.69	ng/ul	0.01
58) Fluorene-d10	15.18	176	93245	10.52	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.33	200	2741	1.58	ng/ul	0.01
71) Anthracene-d10	17.04	188	126370	10.77	ng/ul	0.00
79) Pyrene-d10	19.36	212	140668	10.05	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.22	264	149232	9.80	ng/ul	0.03

Target Compounds

						Qvalue
14) Acetophenone	8.32	105	10214	2.14	ng/ul#	41
17) Hexachloroethane	8.62	117	3285	2.54	ng/ul#	9
28) Naphthalene	10.35	128	74056	7.16	ng/ul	98
34) 2-Methylnaphthalene	11.98	142	17326	2.22	ng/ul	93
35) 1-Methylnaphthalene	12.19	142	12938	1.70	ng/ul#	99
45) Dimethylphthalate	13.65	163	40445	4.19	ng/ul	99
59) Fluorene	15.24	166	14165	1.43	ng/ul#	93
65) N-Nitrosodiphenylamine	15.46	169	8597	1.16	ng/ul#	49
70) Phenanthrene	16.98	178	128651	9.45	ng/ul	98
72) Anthracene	16.98	178	128651	9.31	ng/ul	99
76) Di-n-butylphthalate	17.93	149	31932	2.03	ng/ul	97
77) Fluoranthene	19.02	202	248273	17.12	ng/ul	95
80) Pyrene	19.39	202	239119	13.66	ng/ul	95
81) Butylbenzylphthalate	20.30	149	136908	19.12	ng/ul	93
83) Benzo(a)anthracene	21.14	228	109174	6.75	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.08	149	68801	6.70	ng/ul#	96
85) Chrysene	21.14	228	110498	7.26	ng/ul	95
88) Benzo(b)fluoranthene	22.71	252	167780	9.60	ng/ul#	35
89) Benzo(k)fluoranthene	22.71	252	167780	9.91	ng/ul#	34
91) Benzo(a)pyrene	23.26	252	89708	5.30	ng/ul#	34
92) Indeno(1,2,3-cd)pyrene	25.59	276	43754	2.24	ng/ul#	90
94) Benzo(g,h,i)perylene	26.28	276	36083	2.24	ng/ul#	83

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 29 01:59:28 2015
Response via : Initial Calibration

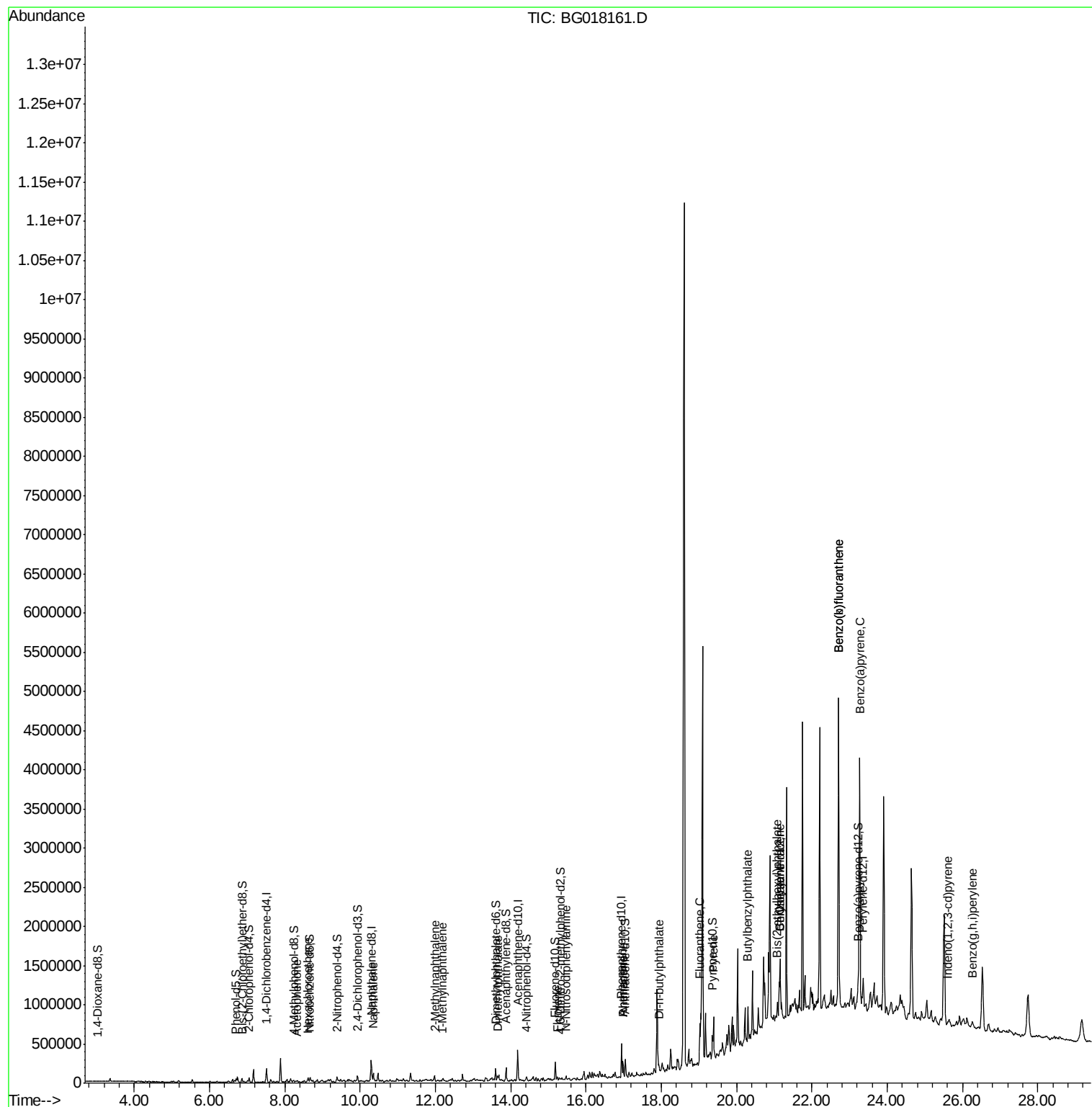
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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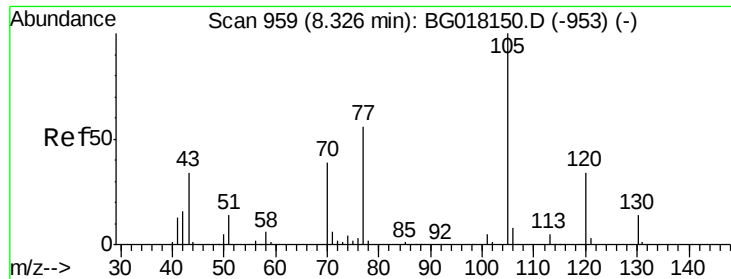
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 2.14 ng/ul

RT: 8.32 min Scan# 958

Delta R.T. -0.01 min

Lab File: BG018161.D

Acq: 28 Jul 2015 23:53

Instrument :

BNA_M

ClientSampleId :

C01S6

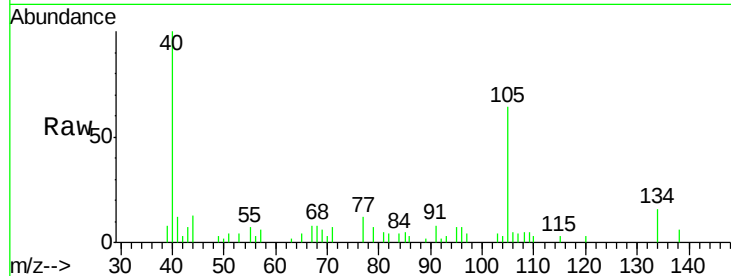
Tgt Ion:105 Resp: 10214

Ion Ratio Lower Upper

105 100

77 19.6 61.7 92.5#

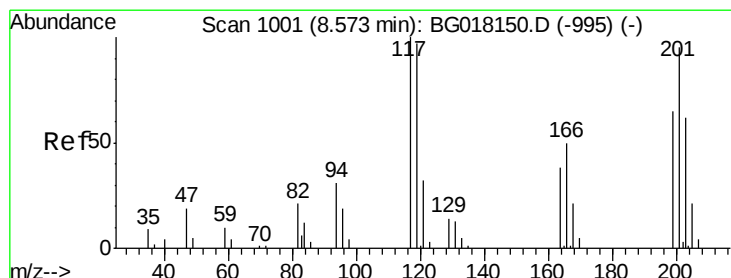
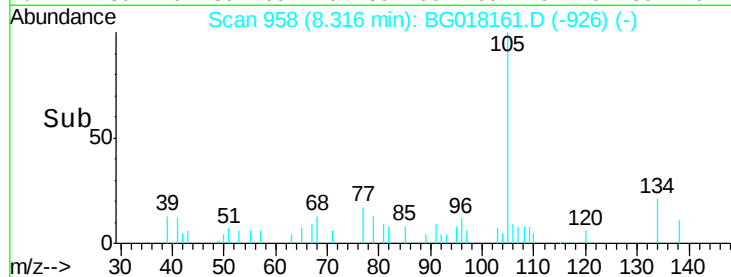
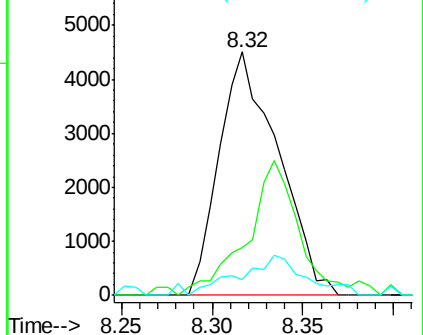
51 6.5 18.1 27.1#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 51.00 (50.70 to 51.70): BG



#17

Hexachloroethane

Concen: 2.54 ng/ul

RT: 8.62 min Scan# 1009

Delta R.T. 0.04 min

Lab File: BG018161.D

Acq: 28 Jul 2015 23:53

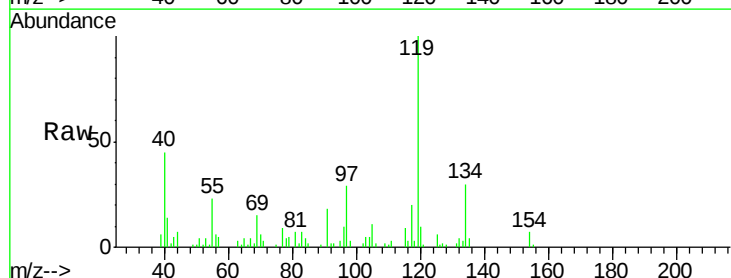
Tgt Ion:117 Resp: 3285

Ion Ratio Lower Upper

117 100

201 0.0 77.3 115.9#

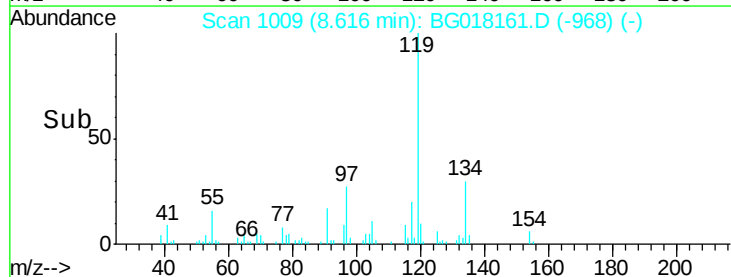
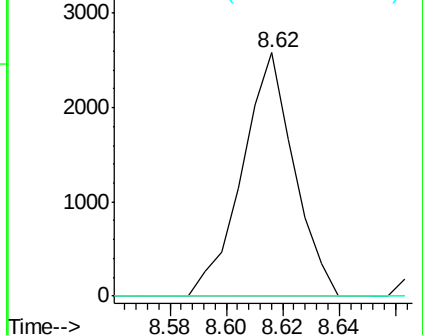
199 0.0 46.6 69.8#

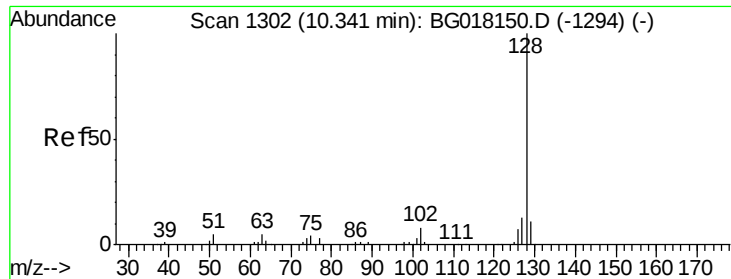


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

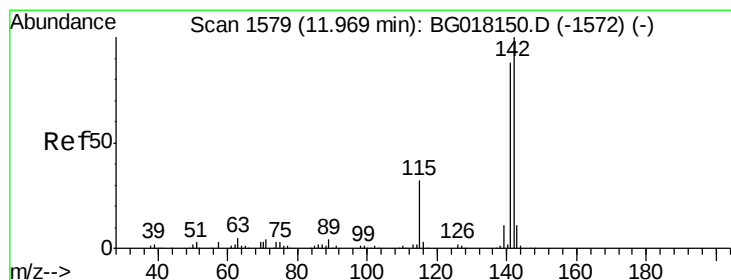
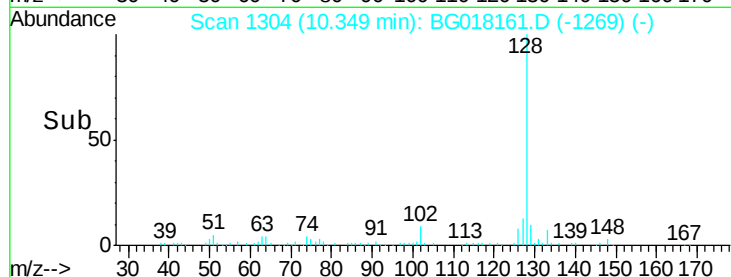
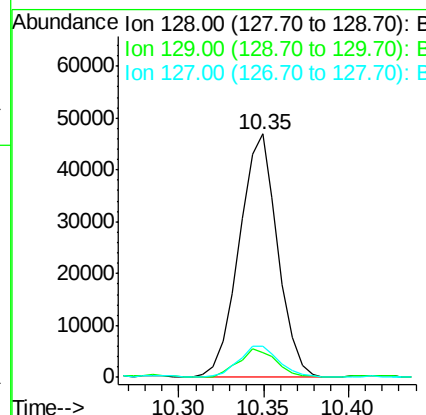
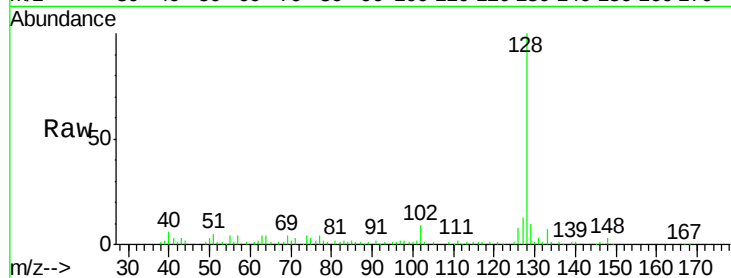




#28
Naphthalene
Concen: 7.16 ng/ul
RT: 10.35 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BG018161.D
Acq: 28 Jul 2015 23:53

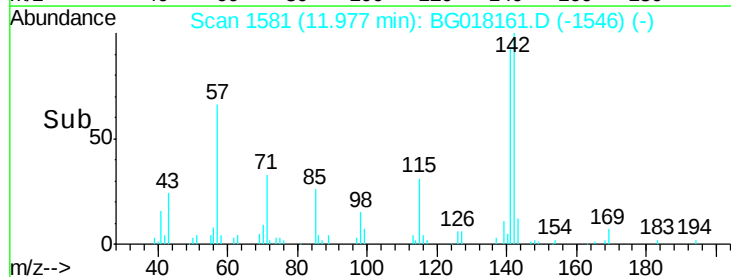
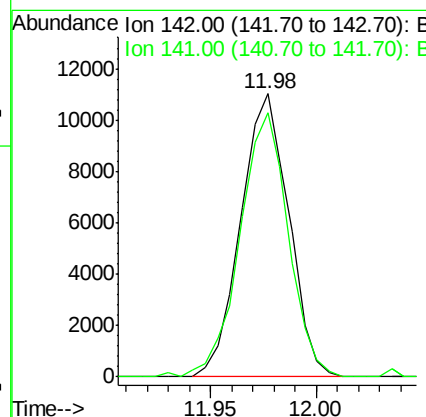
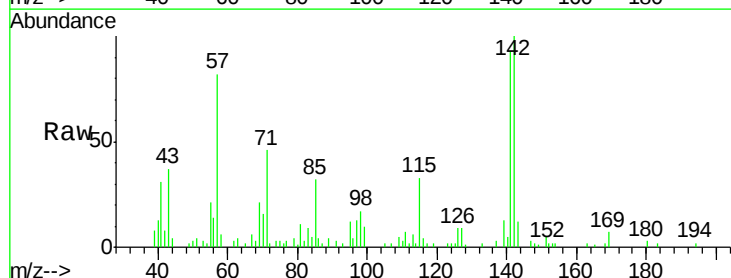
Instrument :
BNA_M
ClientSampleId :
C01S6

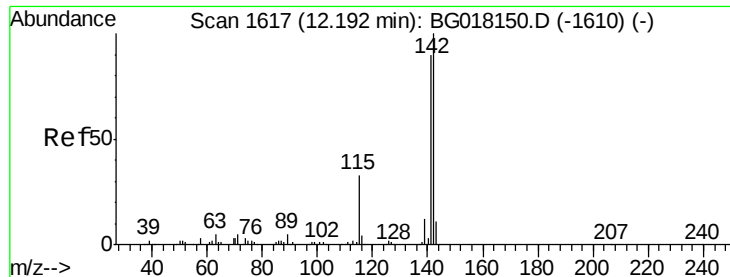
Tgt Ion:128 Resp: 74056
Ion Ratio Lower Upper
128 100
129 10.4 9.5 14.3
127 13.0 10.1 15.1



#34
2-Methylnaphthalene
Concen: 2.22 ng/ul
RT: 11.98 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BG018161.D
Acq: 28 Jul 2015 23:53

Tgt Ion:142 Resp: 17326
Ion Ratio Lower Upper
142 100
141 93.2 69.4 104.0

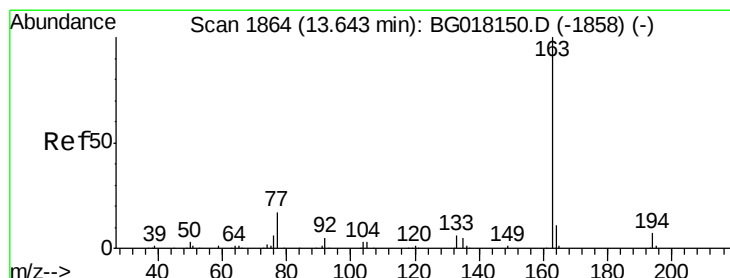
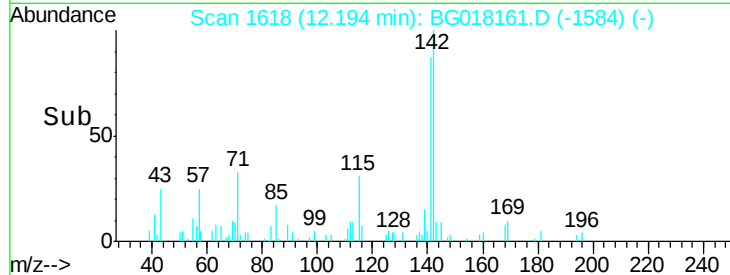
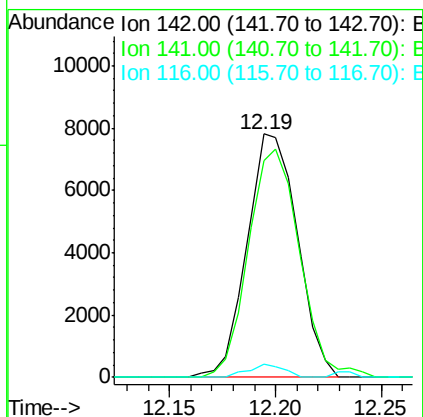
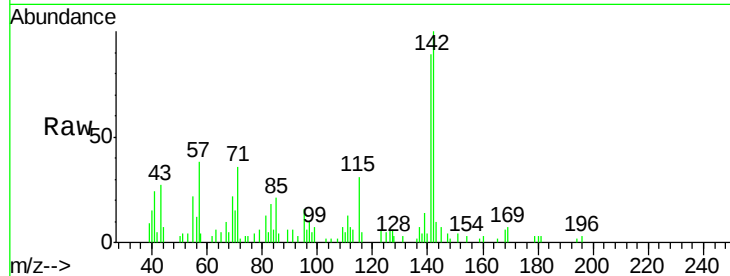




#35
1-Methylnaphthalene
Concen: 1.70 ng/ul
RT: 12.19 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BG018161.D
Acq: 28 Jul 2015 23:53

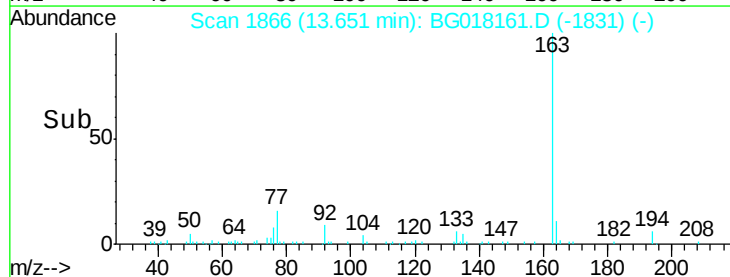
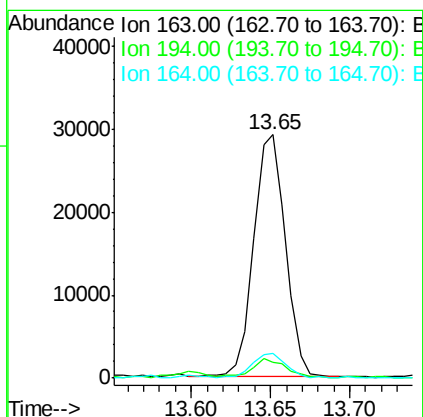
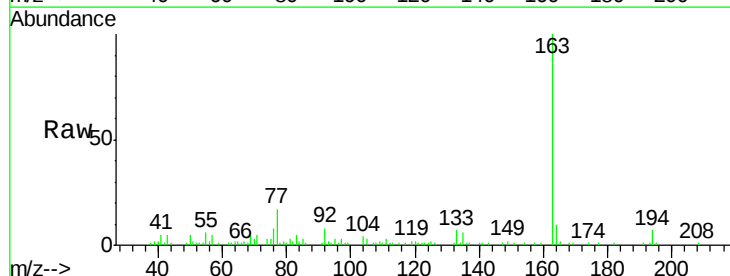
Instrument :
BNA_M
ClientSampleId :
C01S6

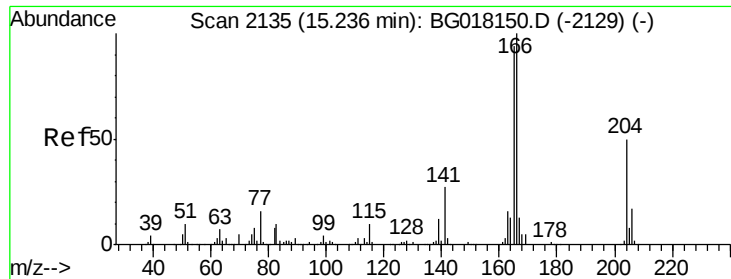
Tgt Ion:142 Resp: 12938
Ion Ratio Lower Upper
142 100
141 89.3 71.8 107.6
116 5.2 3.2 4.8#



#45
Dimethylphthalate
Concen: 4.19 ng/ul
RT: 13.65 min Scan# 1866
Delta R.T. 0.01 min
Lab File: BG018161.D
Acq: 28 Jul 2015 23:53

Tgt Ion:163 Resp: 40445
Ion Ratio Lower Upper
163 100
194 6.7 5.4 8.2
164 10.4 8.7 13.1





#59

Fluorene

Concen: 1.43 ng/ul

RT: 15.24 min Scan# 2137

Delta R.T. 0.01 min

Lab File: BG018161.D

Acq: 28 Jul 2015 23:53

Instrument :

BNA_M

ClientSampleId :

C01S6

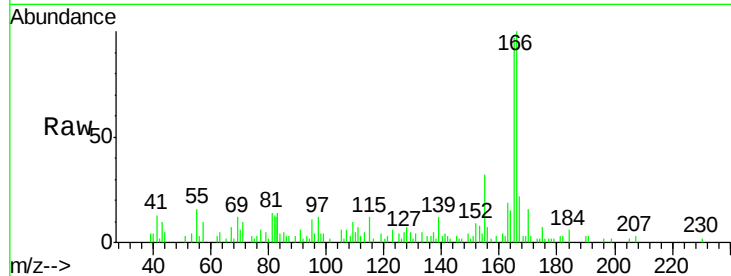
Tgt Ion:166 Resp: 14165

Ion Ratio Lower Upper

166 100

165 97.1 73.6 110.4

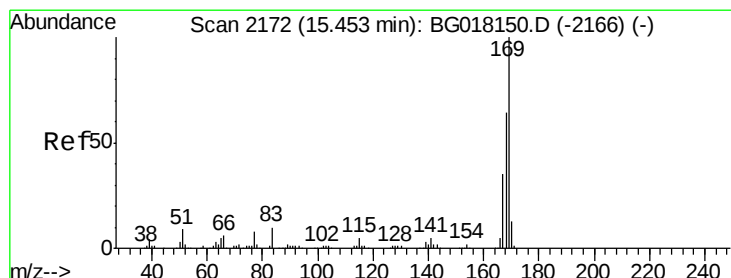
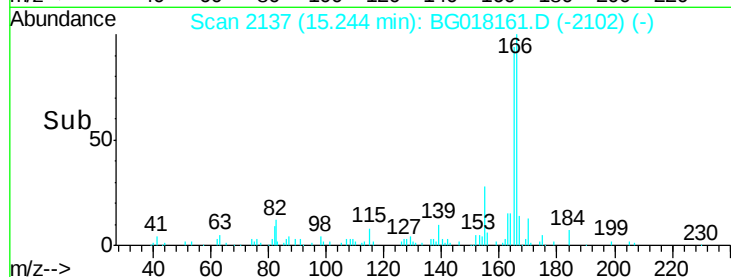
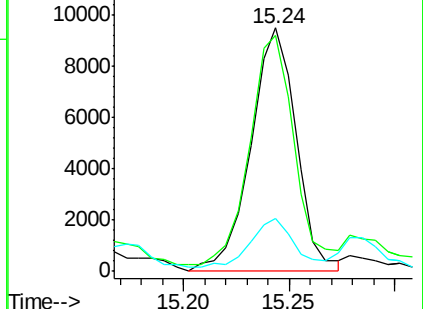
167 21.6 10.8 16.2#



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



#65

N-Nitrosodiphenylamine

Concen: 1.16 ng/ul

RT: 15.46 min Scan# 2174

Delta R.T. 0.01 min

Lab File: BG018161.D

Acq: 28 Jul 2015 23:53

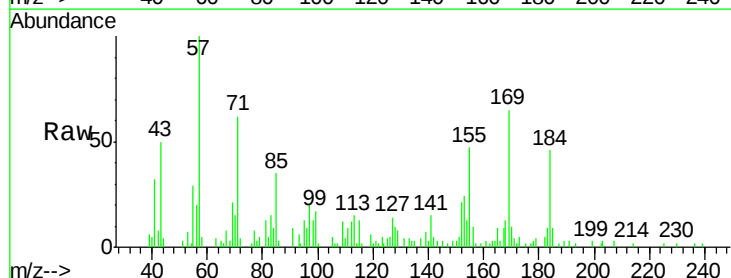
Tgt Ion:169 Resp: 8597

Ion Ratio Lower Upper

169 100

168 19.4 52.5 78.7#

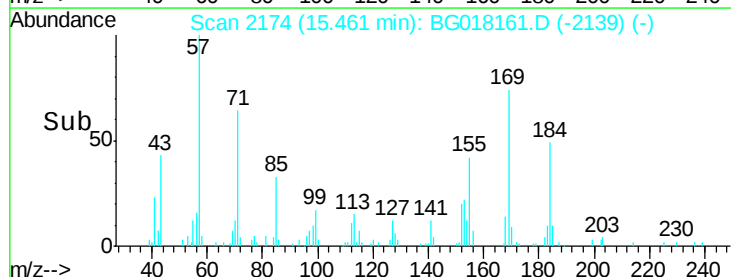
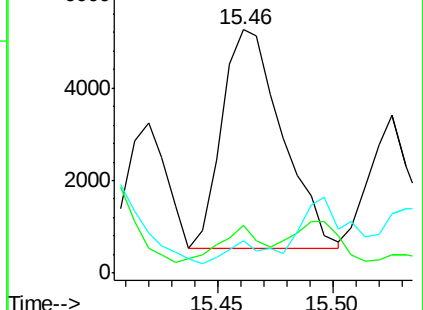
167 13.3 27.4 41.0#

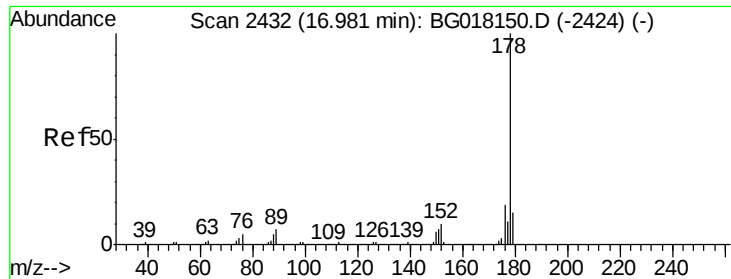


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

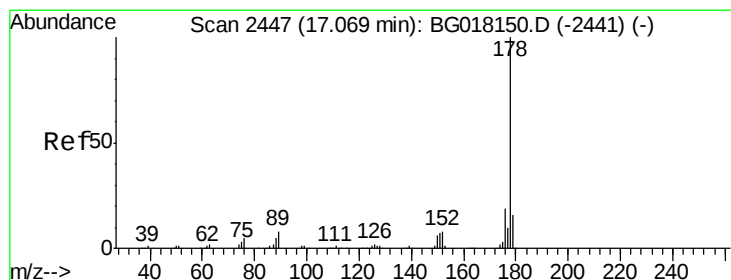
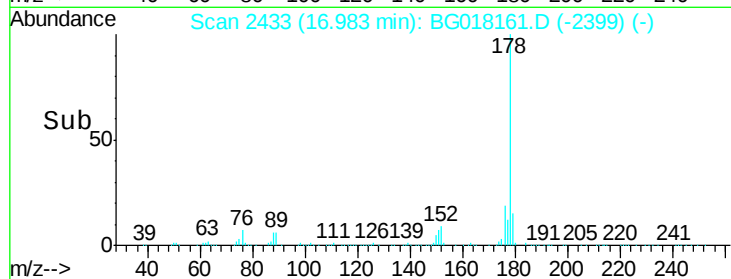
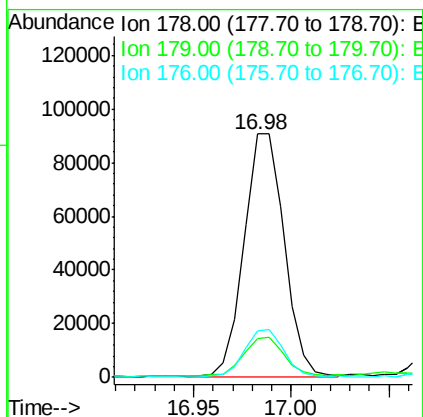
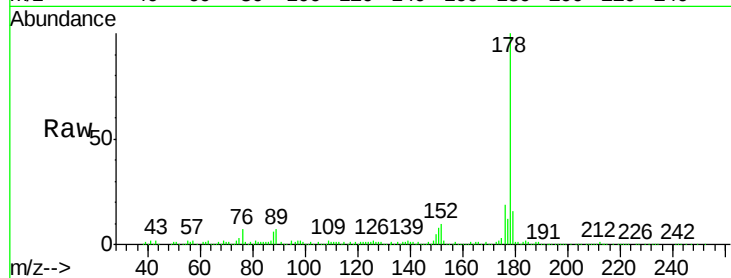




#70
Phenanthrene
Concen: 9.45 ng/ul
RT: 16.98 min Scan# 2433
Delta R.T. 0.00 min
Lab File: BG018161.D
Acq: 28 Jul 2015 23:53

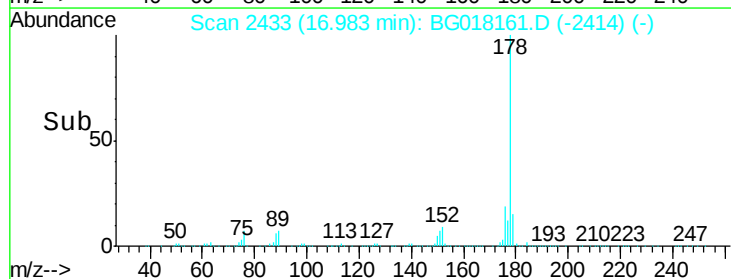
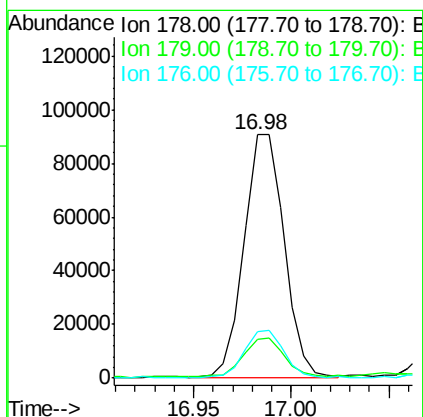
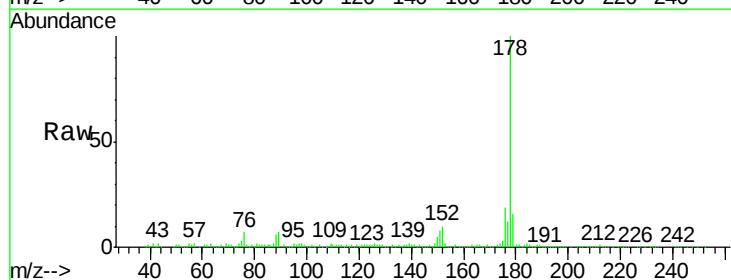
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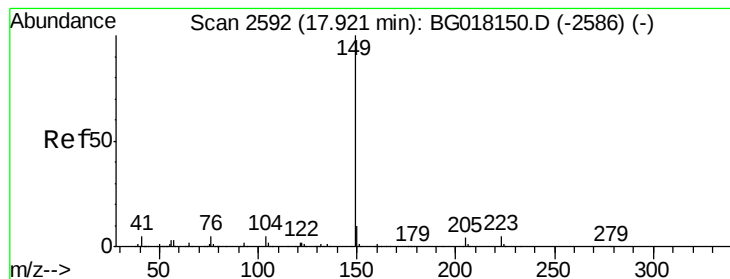
Tgt Ion:178 Resp: 128651
Ion Ratio Lower Upper
178 100
179 15.7 13.0 19.6
176 19.0 15.8 23.8



#72
Anthracene
Concen: 9.31 ng/ul
RT: 16.98 min Scan# 2433
Delta R.T. -0.09 min
Lab File: BG018161.D
Acq: 28 Jul 2015 23:53

Tgt Ion:178 Resp: 128651
Ion Ratio Lower Upper
178 100
179 15.7 12.4 18.6
176 19.0 15.8 23.8





#76

Di-n-butylphthalate

Concen: 2.03 ng/ul

RT: 17.93 min Scan# 2594

Delta R.T. 0.01 min

Lab File: BG018161.D

Acq: 28 Jul 2015 23:53

Instrument :

BNA_M

ClientSampleId :

C01S6

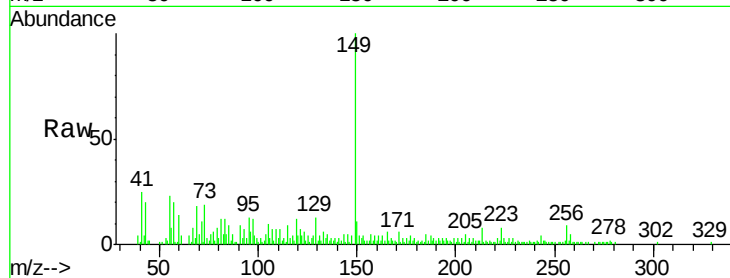
Tgt Ion:149 Resp: 31932

Ion Ratio Lower Upper

149 100

150 11.0 7.4 11.0

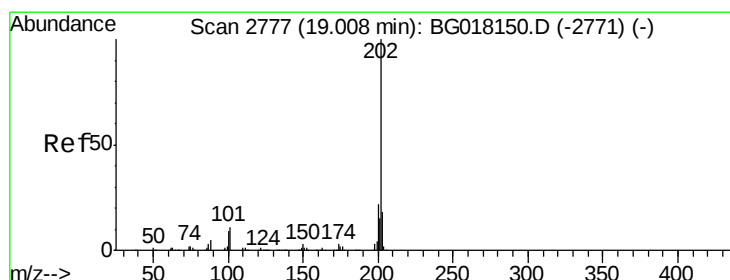
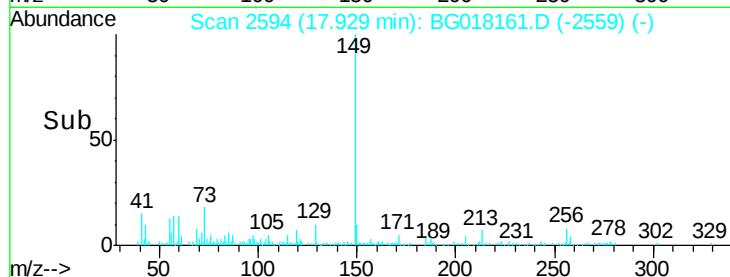
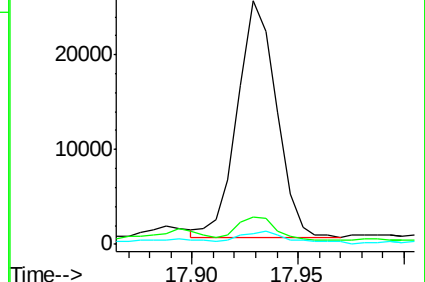
104 4.6 3.8 5.8



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: 17.12 ng/ul

RT: 19.02 min Scan# 2780

Delta R.T. 0.01 min

Lab File: BG018161.D

Acq: 28 Jul 2015 23:53

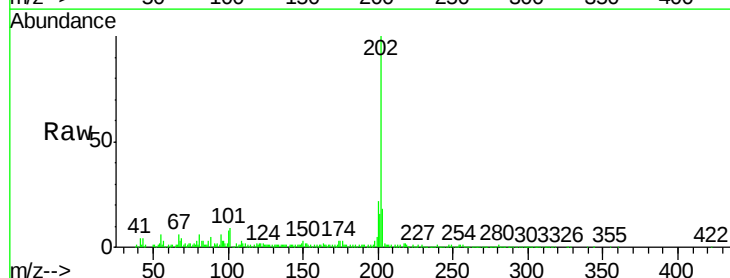
Tgt Ion:202 Resp: 248273

Ion Ratio Lower Upper

202 100

101 9.2 9.1 13.7

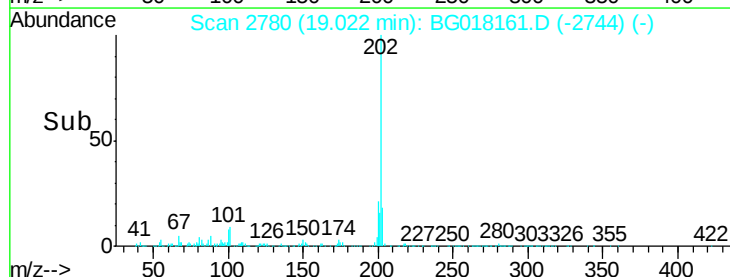
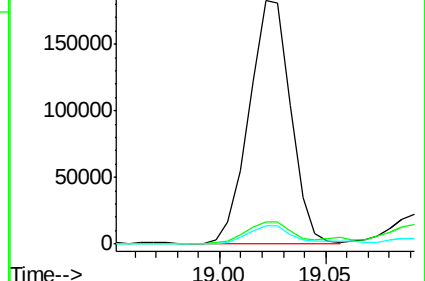
100 7.7 7.5 11.3

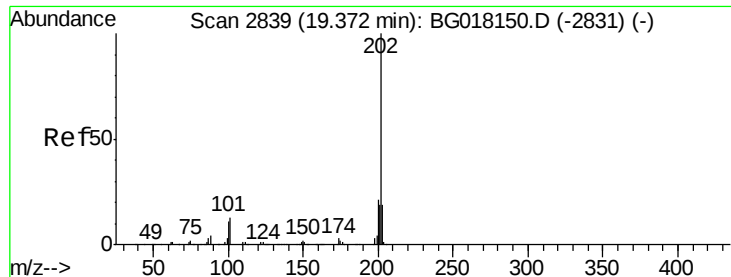


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

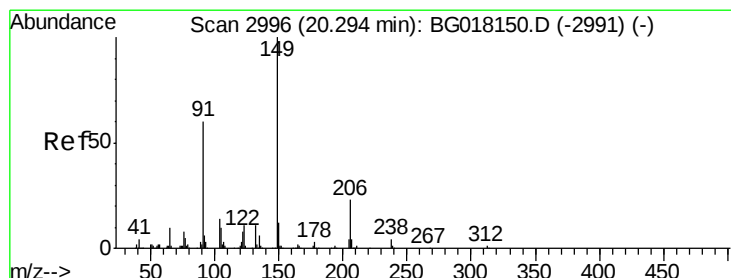
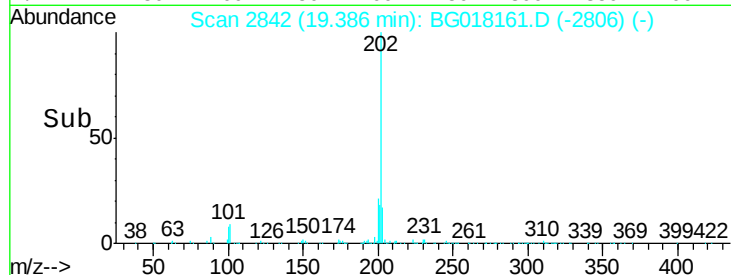
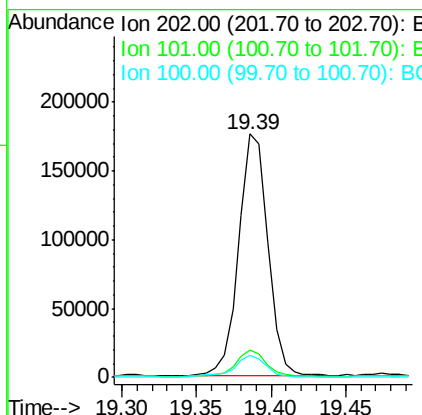
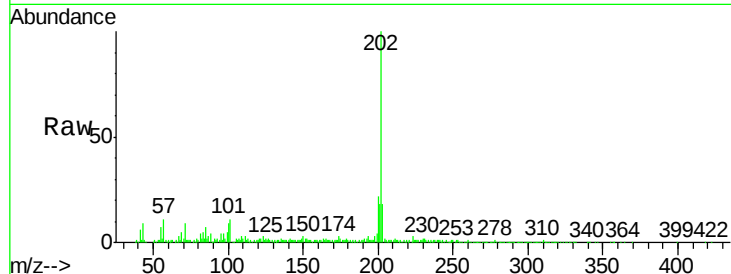




#80
 Pyrene
 Concen: 13.66 ng/ul
 RT: 19.39 min Scan# 2842
 Delta R.T. 0.01 min
 Lab File: BG018161.D
 Acq: 28 Jul 2015 23:53

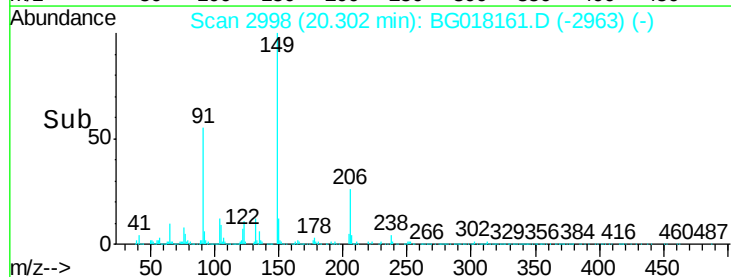
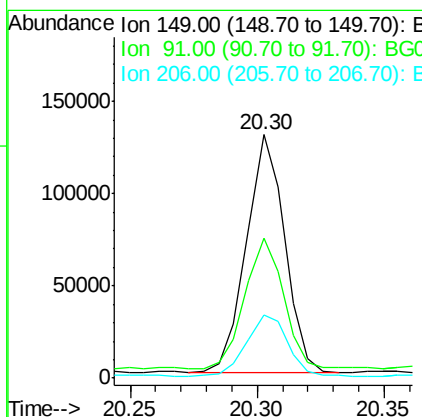
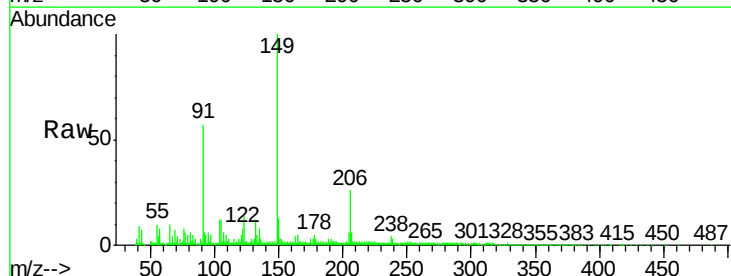
Instrument :
 BNA_M
 ClientSampleId :
 C01S6

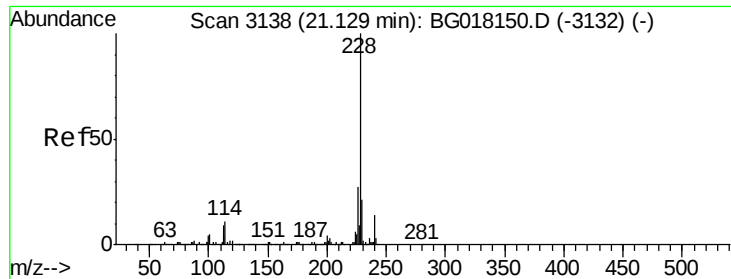
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	10.9	16.3
100	9.1	8.5	12.7



#81
 Butylbenzylphthalate
 Concen: 19.12 ng/ul
 RT: 20.30 min Scan# 2998
 Delta R.T. 0.01 min
 Lab File: BG018161.D
 Acq: 28 Jul 2015 23:53

Tgt Ion	Ratio	Lower	Upper
149	100		
91	57.2	51.1	76.7
206	26.0	19.9	29.9





#83

Benzo(a)anthracene

Concen: 6.75 ng/ul

RT: 21.14 min Scan# 3141

Delta R.T. 0.01 min

Lab File: BG018161.D

Acq: 28 Jul 2015 23:53

Instrument :

BNA_M

ClientSampleId :

C01S6

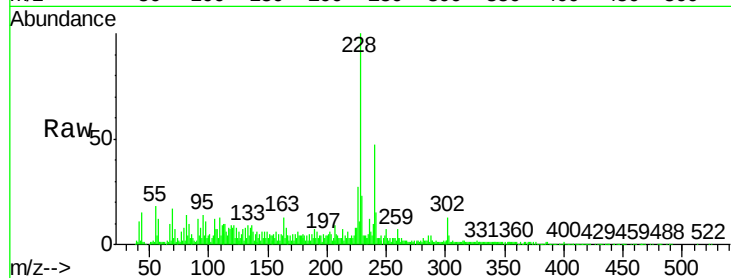
Tgt Ion:228 Resp: 109174

Ion Ratio Lower Upper

228 100

229 23.0 16.6 24.8

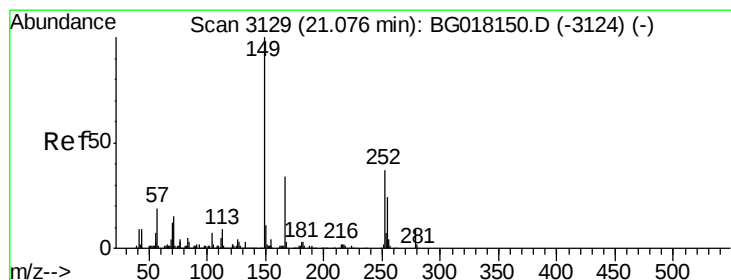
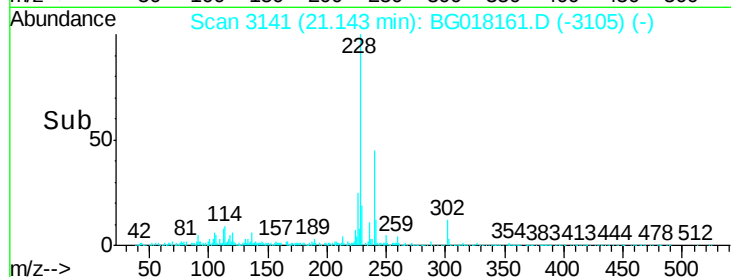
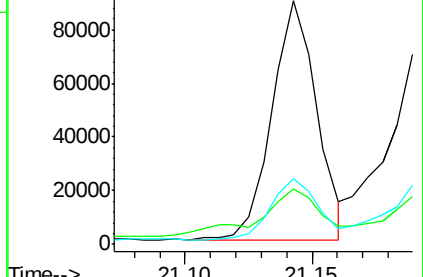
226 26.9 21.1 31.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.70 ng/ul

RT: 21.08 min Scan# 3131

Delta R.T. 0.01 min

Lab File: BG018161.D

Acq: 28 Jul 2015 23:53

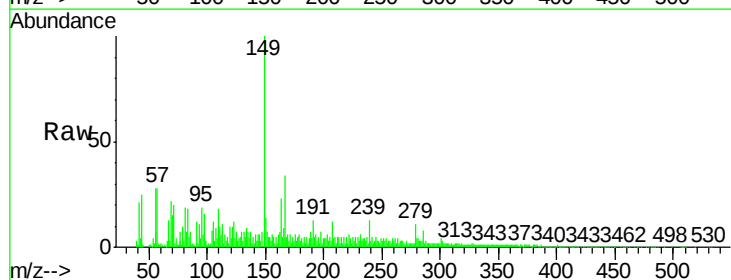
Tgt Ion:149 Resp: 68801

Ion Ratio Lower Upper

149 100

167 34.4 26.2 39.4

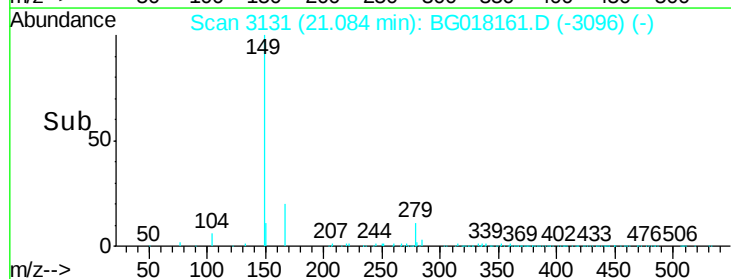
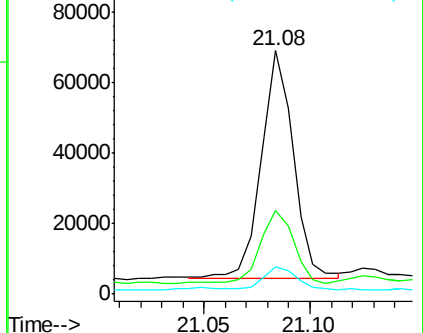
279 11.4 7.2 10.8#

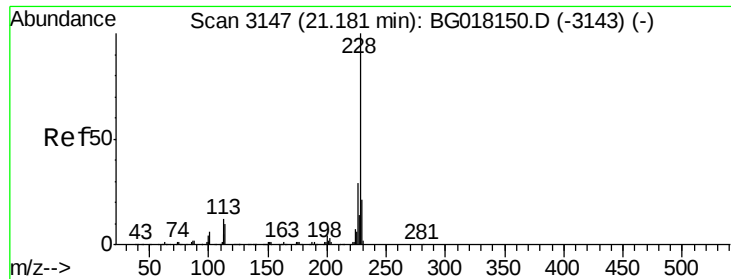


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

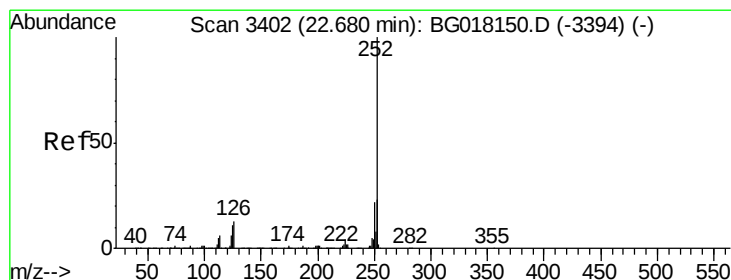
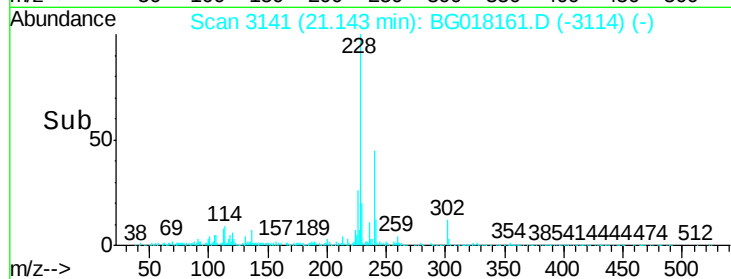
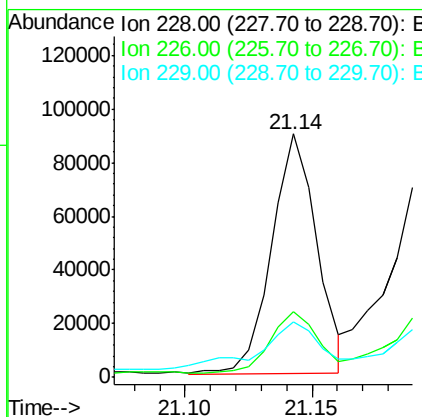
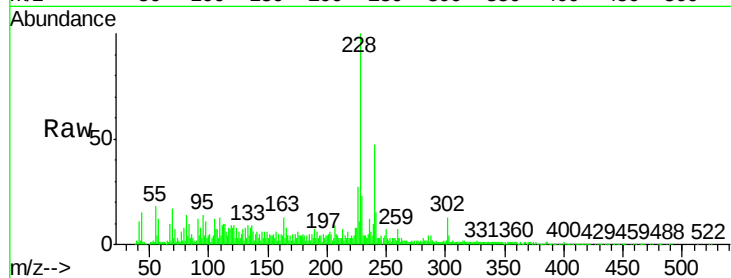




#85
Chrysene
Concen: 7.26 ng/ul
RT: 21.14 min Scan# 3141
Delta R.T. -0.04 min
Lab File: BG018161.D
Acq: 28 Jul 2015 23:53

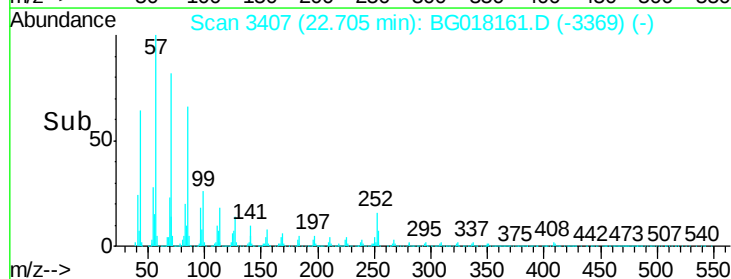
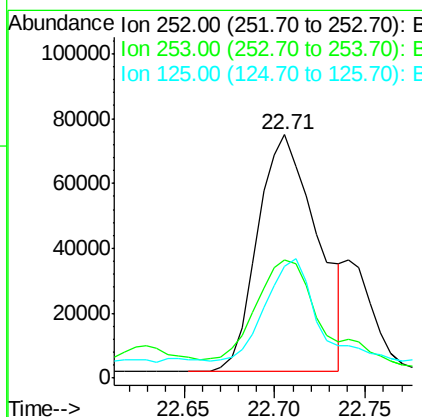
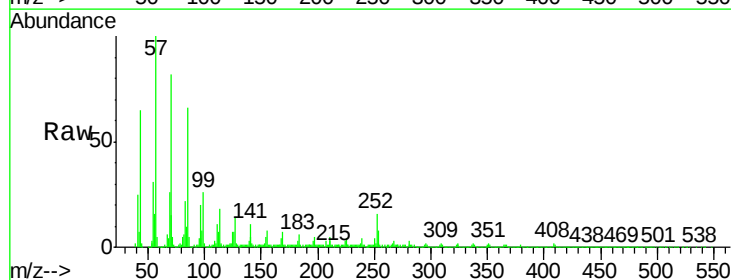
Instrument :
BNA_M
ClientSampleId :
C01S6

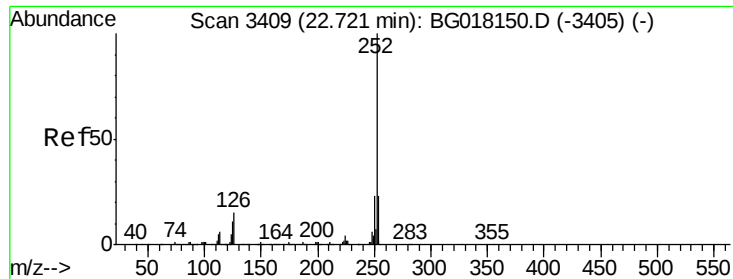
Tgt Ion:228 Resp: 110498
Ion Ratio Lower Upper
228 100
226 26.9 22.9 34.3
229 23.0 15.6 23.4



#88
Benzo(b)fluoranthene
Concen: 9.60 ng/ul
RT: 22.71 min Scan# 3407
Delta R.T. 0.03 min
Lab File: BG018161.D
Acq: 28 Jul 2015 23:53

Tgt Ion:252 Resp: 167780
Ion Ratio Lower Upper
252 100
253 48.4 18.5 27.7#
125 45.7 9.1 13.7#

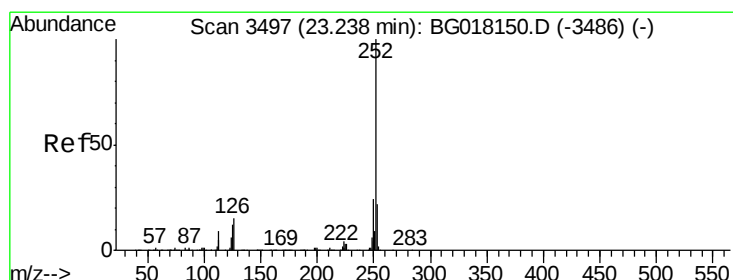
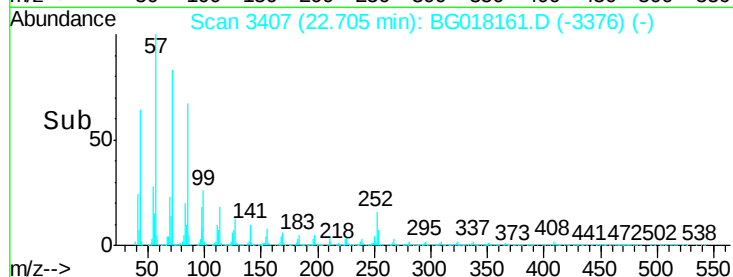
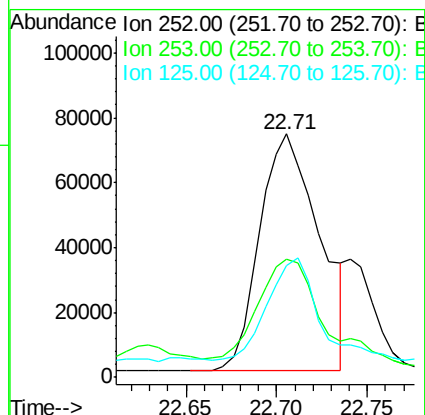
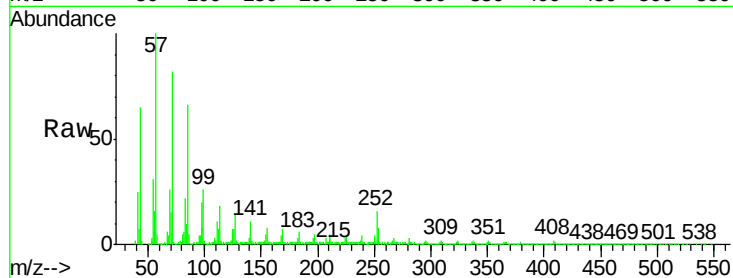




#89
Benzo(k)fluoranthene
Concen: 9.91 ng/ul
RT: 22.71 min Scan# 3407
Delta R.T. -0.02 min
Lab File: BG018161.D
Acq: 28 Jul 2015 23:53

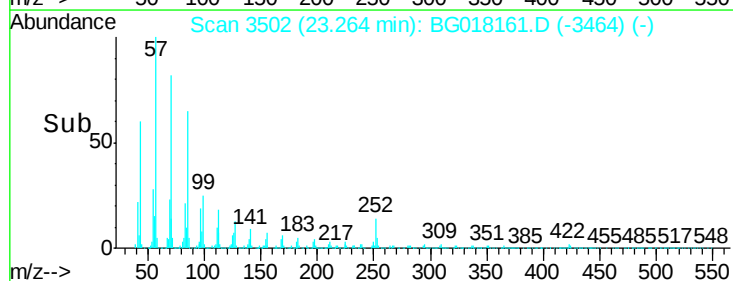
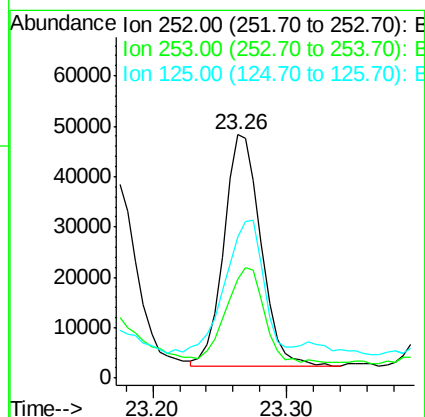
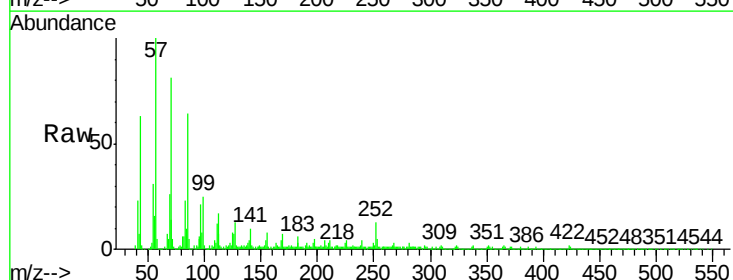
Instrument :
BNA_M
ClientSampleId :
C01S6

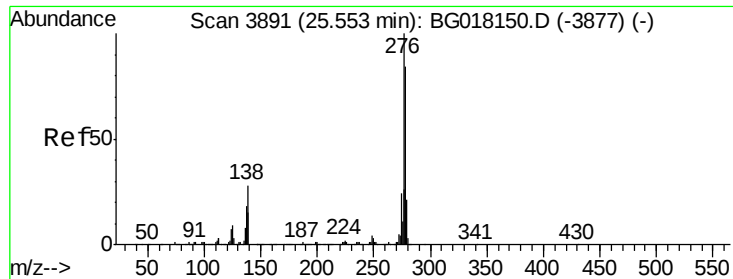
Tgt Ion	Ratio	Lower	Upper
252	100		
253	48.4	17.8	26.8#
125	45.7	9.3	13.9#



#91
Benzo(a)pyrene
Concen: 5.30 ng/ul
RT: 23.26 min Scan# 3502
Delta R.T. 0.03 min
Lab File: BG018161.D
Acq: 28 Jul 2015 23:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	40.9	18.0	27.0#
125	58.0	10.2	15.2#





#92

Indeno(1,2,3-cd)pyrene

Concen: 2.24 ng/ul

RT: 25.59 min Scan# 3898

Delta R.T. 0.04 min

Lab File: BG018161.D

Acq: 28 Jul 2015 23:53

Instrument :

BNA_M

ClientSampleId :

C01S6

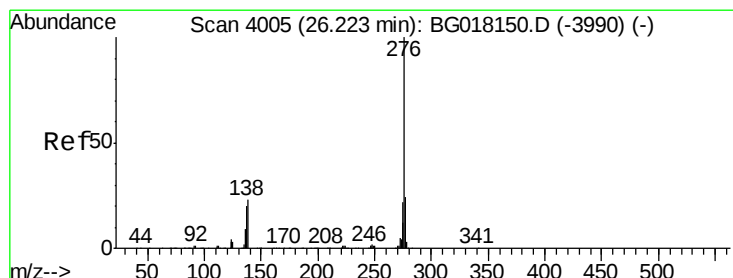
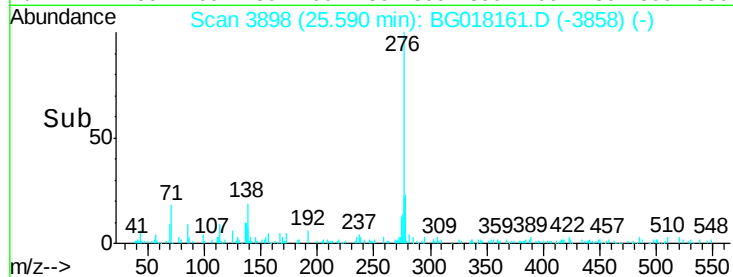
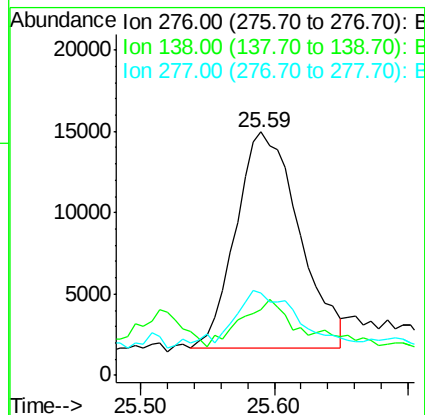
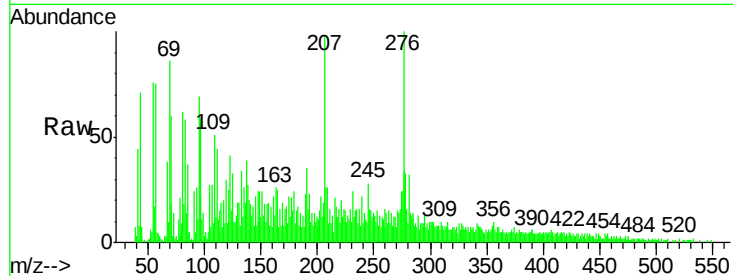
Tgt Ion:276 Resp: 43754

Ion Ratio Lower Upper

276 100

138 27.1 22.6 33.8

277 34.0 19.8 29.8#



#94

Benzo(g,h,i)perylene

Concen: 2.24 ng/ul

RT: 26.28 min Scan# 4015

Delta R.T. 0.06 min

Lab File: BG018161.D

Acq: 28 Jul 2015 23:53

Tgt Ion:276 Resp: 36083

Ion Ratio Lower Upper

276 100

138 31.2 18.8 28.2#

277 32.6 19.3 28.9#

