

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
 Data File : BG016177.D
 Acq On : 27 Mar 2015 16:00
 Operator : TP/IZ
 Sample : G1647-03MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 03:32:02 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG031715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 28 03:20:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	48199	20.00	ng/ul	0.01
18) Naphthalene-d8	10.58	136	223663	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.41	164	137441	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	289149	20.00	ng/ul	0.00
75) Chrysene-d12	21.32	240	301814	20.00	ng/ul	0.00
83) Perylene-d12	23.61	264	295811	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.96	99	130030	30.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.12	67	67698	28.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	100982	30.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	99848	30.67	ng/ul	0.00
19) Nitrobenzene-d5	8.94	128	55702	31.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	57854	33.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	95523	30.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	128392	29.58	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	286020	31.92	ng/ul	0.00
46) Acenaphthylene-d8	14.11	160	372696	29.91	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	52435	24.50	ng/ul	0.00
57) Fluorene-d10	15.41	176	266031	29.69	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	20325	13.45	ng/ul	0.00
70) Anthracene-d10	17.25	188	392613	29.72	ng/ul	0.00
76) Pyrene-d10	19.54	212	410445	30.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.46	264	355437	27.55	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	6.99	94	130240	27.47	ng/ul	97
10) 2-Chlorophenol	7.36	128	96936	27.27	ng/ul	95
14) Acetophenone	8.60	105	10984	2.13	ng/ul	89
15) N-Nitroso-di-n-propylamine	8.59	70	70147	25.14	ng/ul	97
28) Naphthalene	10.62	128	14679	1.22	ng/ul	98
33) 4-Chloro-3-methylphenol	11.86	107	102478	29.04	ng/ul	97
34) 2-Methylnaphthalene	12.23	142	9024	1.06	ng/ul	98
44) Dimethylphthalate	13.87	163	25874	2.54	ng/ul#	96
49) Acenaphthene	14.48	153	247553	26.44	ng/ul	100
52) 4-Nitrophenol	14.62	109	27969	23.92	ng/ul	95
54) 2,4-Dinitrotoluene	14.78	165	84593	27.89	ng/ul	98
68) Pentachlorophenol	16.80	266	34848	18.87	ng/ul	95
74) Fluoranthene	19.21	202	75509	4.06	ng/ul	97
77) Pyrene	19.57	202	604642	32.56	ng/ul	99
80) Benzo(a)anthracene	21.31	228	73296	4.29	ng/ul	96
82) Chrysene	21.36	228	71733	4.41	ng/ul	99
85) Benzo(b)fluoranthene	22.92	252	187247	11.03	ng/ul	100
86) Benzo(k)fluoranthene	22.92	252	74776	4.46	ng/ul	99
88) Benzo(a)pyrene	23.51	252	134948	7.98	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.94	276	105068	5.37	ng/ul	94
90) Dibenzo(a,h)anthracene	25.94	278	26985	1.64	ng/ul#	73
91) Benzo(a,h,i)perylene	26.66	276	78613	4.78	ng/ul	96

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

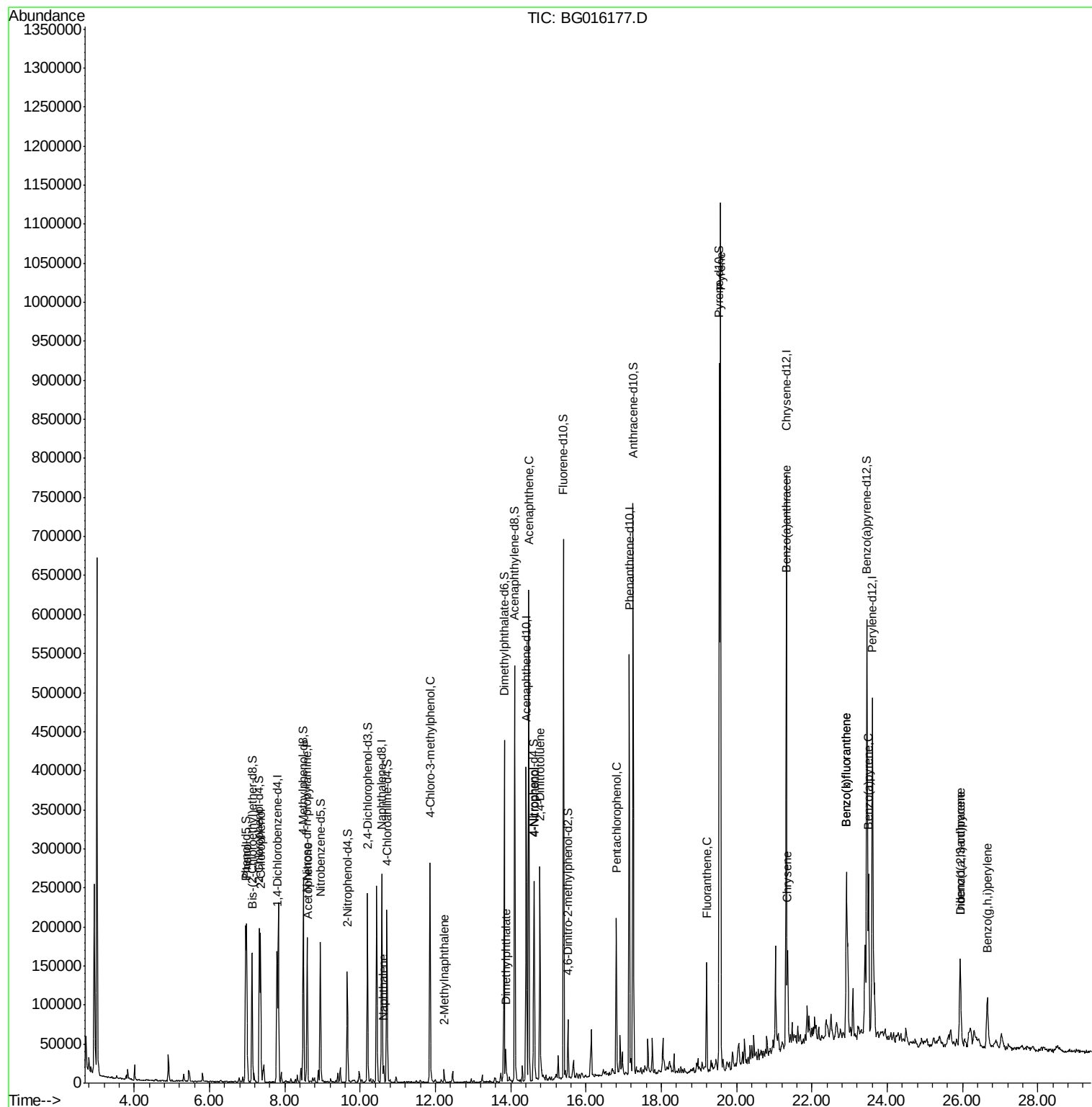
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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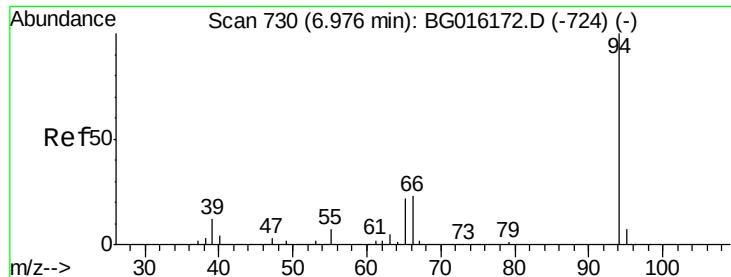
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 28 03:20:39 2015
Response via : Initial Calibration





#6

Phenol

Concen: 27.47 ng/ul

RT: 6.99 min Scan# 732

Delta R.T. 0.01 min

Lab File: BG016177.D

Acq: 27 Mar 2015 16:00

Instrument :

BNA_G

ClientSampled :

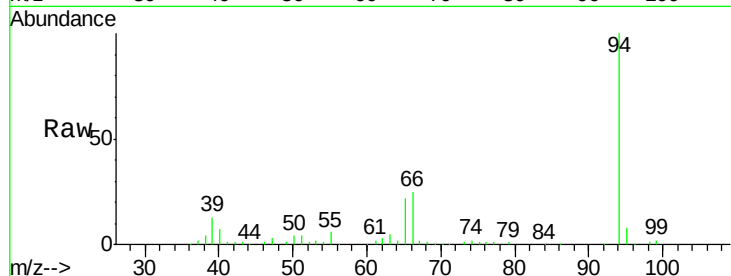
Tot Ion: 94 Resp: 130240

Ion Ratio Lower Upper

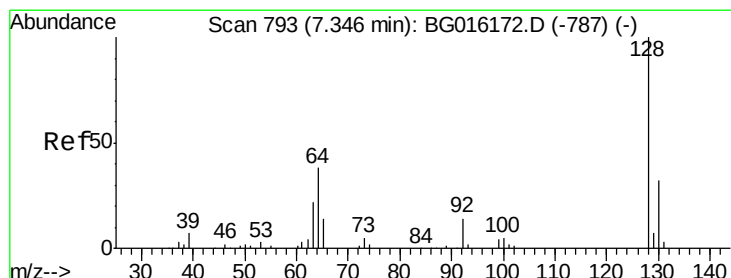
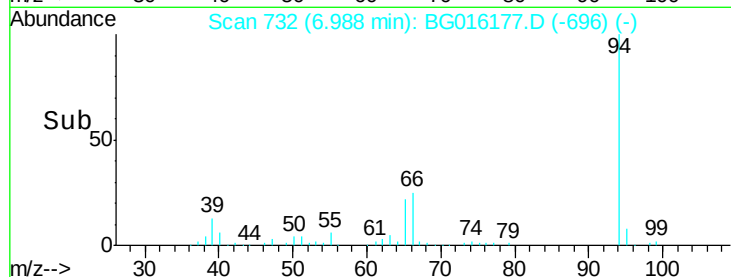
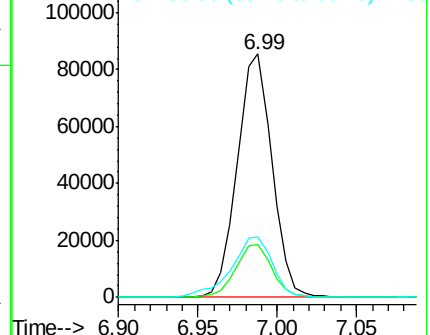
94 100

65 22.0 18.4 27.6

66 24.9 21.1 31.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#10

2-Chlorophenol

Concen: 27.27 ng/ul

RT: 7.36 min Scan# 795

Delta R.T. 0.01 min

Lab File: BG016177.D

Acq: 27 Mar 2015 16:00

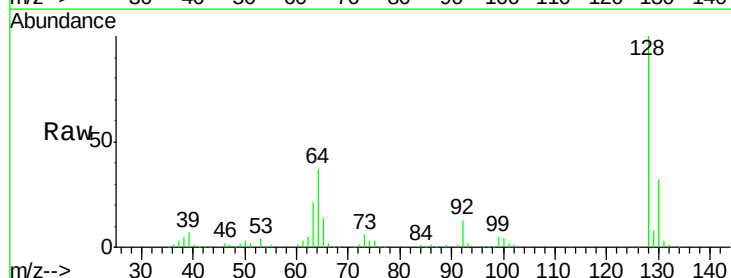
Tgt Ion:128 Resp: 96936

Ion Ratio Lower Upper

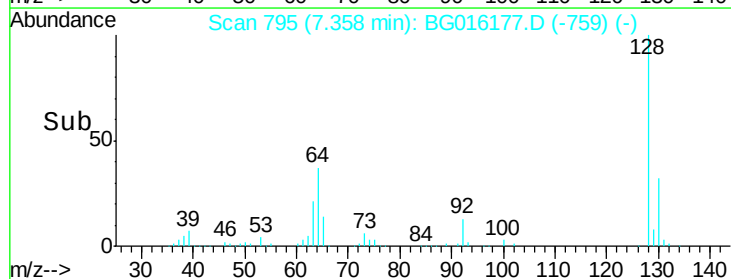
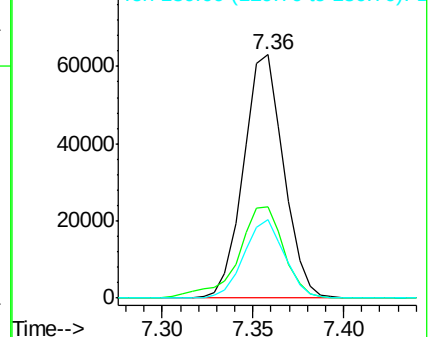
128 100

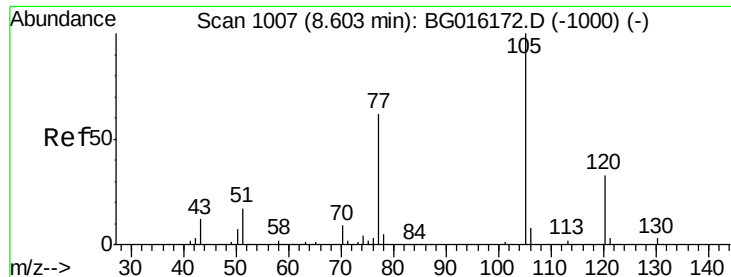
64 37.5 34.1 51.1

130 32.0 25.3 37.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): E





#14

Acetophenone

Concen: 2.13 ng/ul

RT: 8.60 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BG016177.D

Acq: 27 Mar 2015 16:00

Instrument :

BNA_G

ClientSampleId :

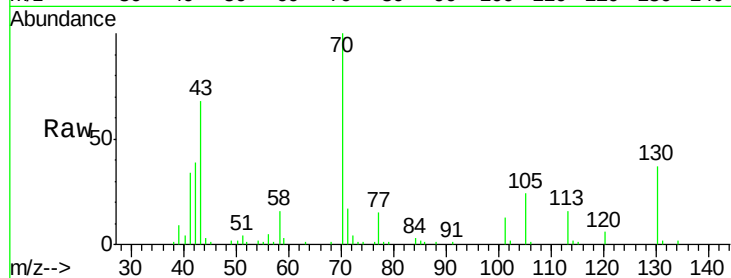
Tot Ion:105 Resp: 10984

Ion Ratio Lower Upper

105 100

77 61.5 57.8 86.8

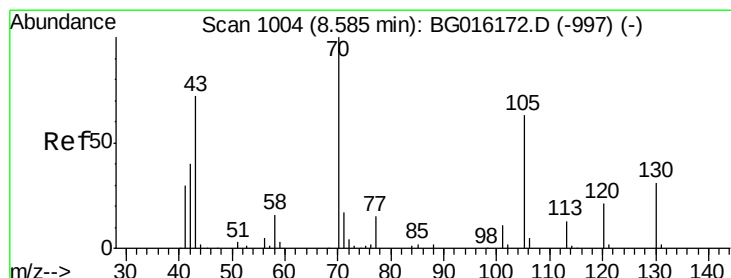
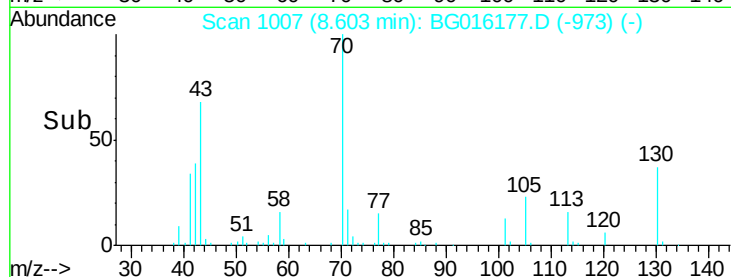
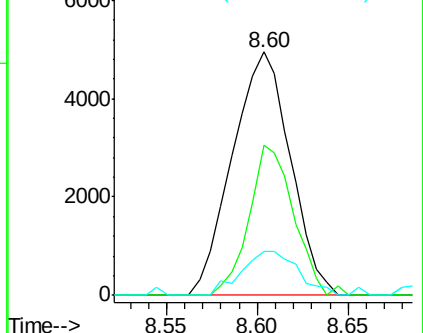
51 18.1 16.5 24.7



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#15

N-Nitroso-di-n-propylamine

Concen: 25.14 ng/ul

RT: 8.59 min Scan# 1005

Delta R.T. 0.01 min

Lab File: BG016177.D

Acq: 27 Mar 2015 16:00

Tgt Ion: 70 Resp: 70147

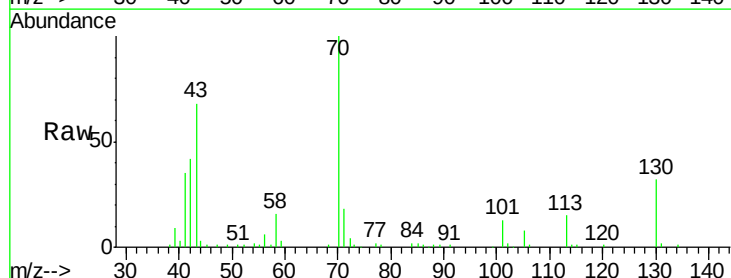
Ion Ratio Lower Upper

70 100

42 41.5 33.7 50.5

101 12.7 9.3 13.9

130 32.0 22.4 33.6

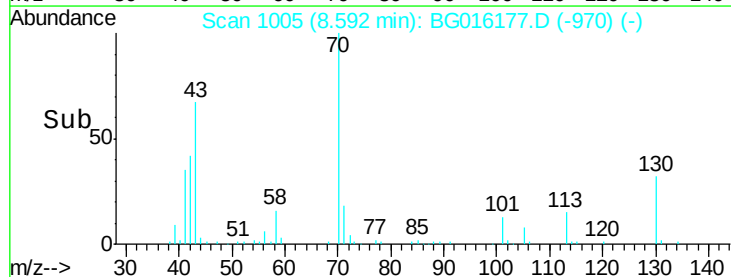
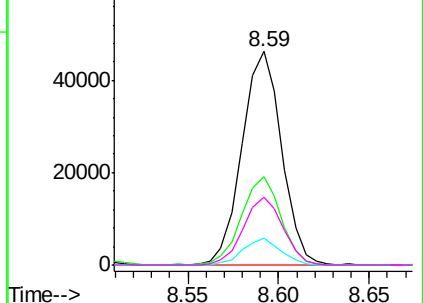


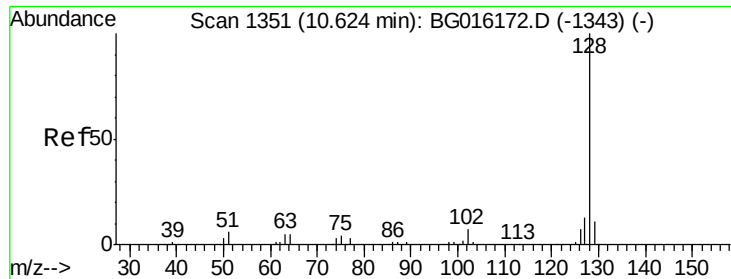
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#28

Naphthalene

Concen: 1.22 ng/ul

RT: 10.62 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BG016177.D

Acq: 27 Mar 2015 16:00

Instrument :

BNA_G

ClientSampleId :

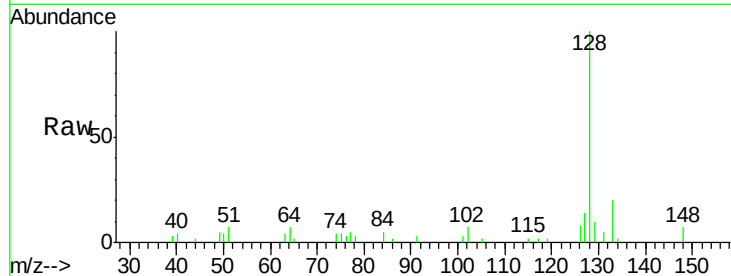
Tot Ion:128 Resp: 14679

Ion Ratio Lower Upper

128 100

129 10.4 9.0 13.4

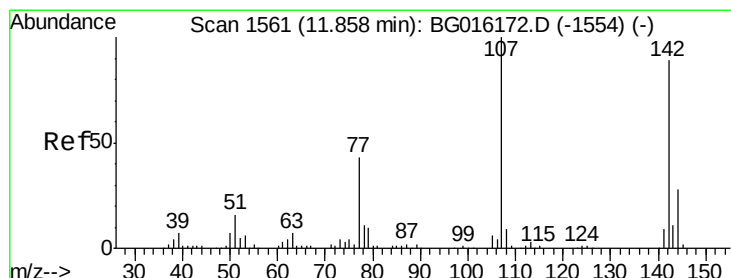
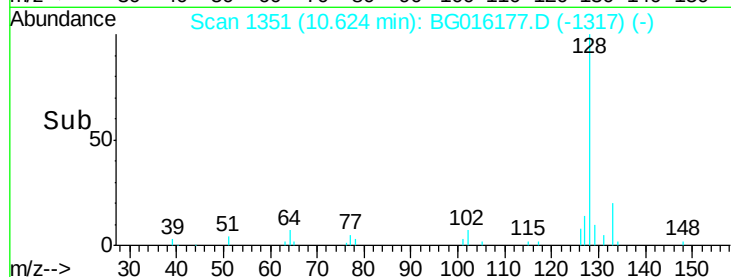
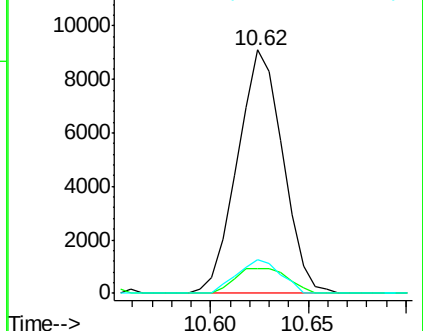
127 14.0 10.4 15.6



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



#33

4-Chloro-3-methylphenol

Concen: 29.04 ng/ul

RT: 11.86 min Scan# 1561

Delta R.T. 0.00 min

Lab File: BG016177.D

Acq: 27 Mar 2015 16:00

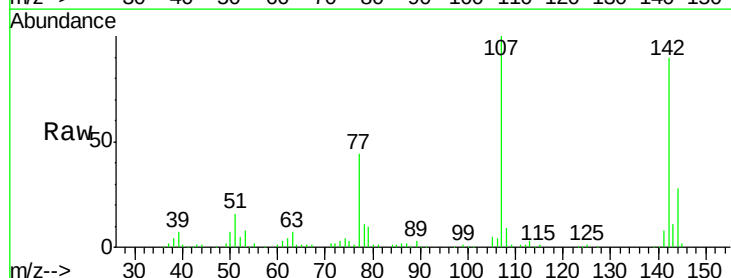
Tgt Ion:107 Resp: 102478

Ion Ratio Lower Upper

107 100

144 28.4 23.8 35.8

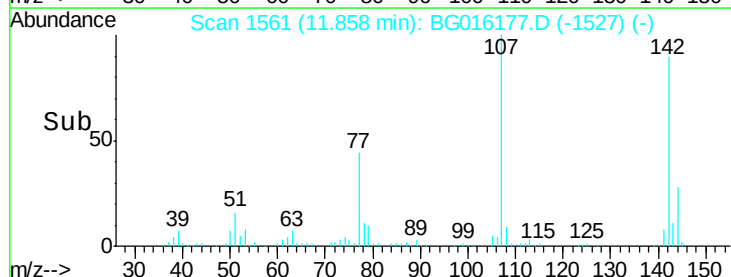
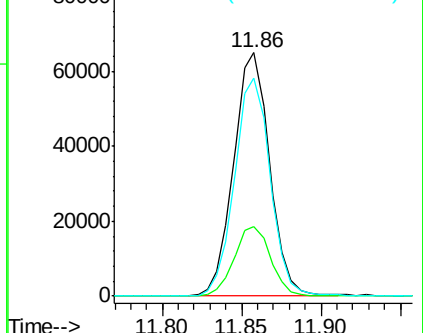
142 89.7 69.8 104.6

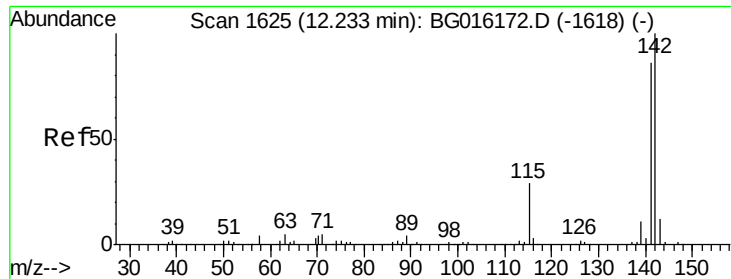


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

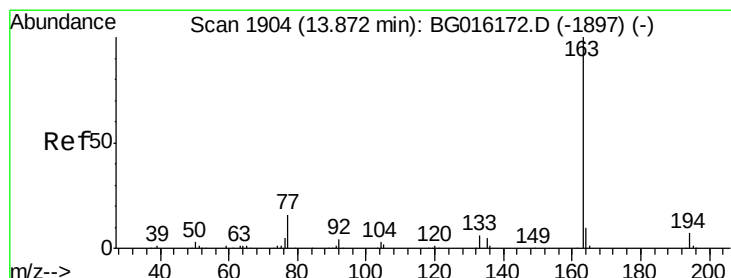
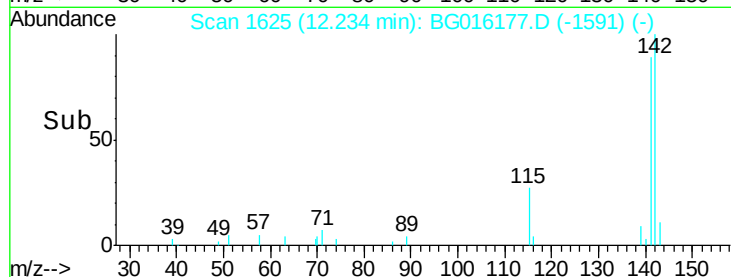
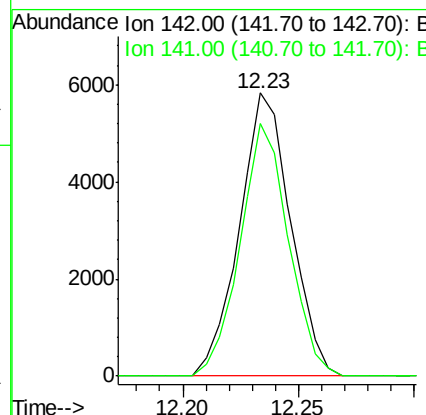
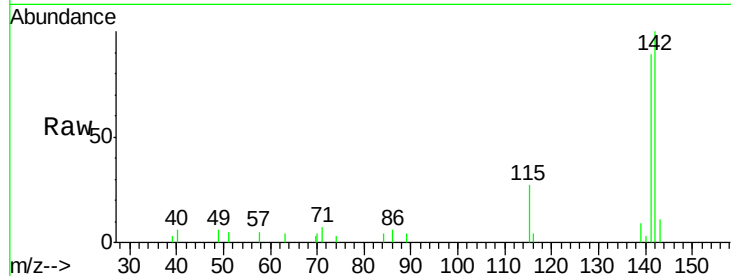




#34
 2-Methylnaphthalene
 Concen: 1.06 ng/ul
 RT: 12.23 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BG016177.D
 Acq: 27 Mar 2015 16:00

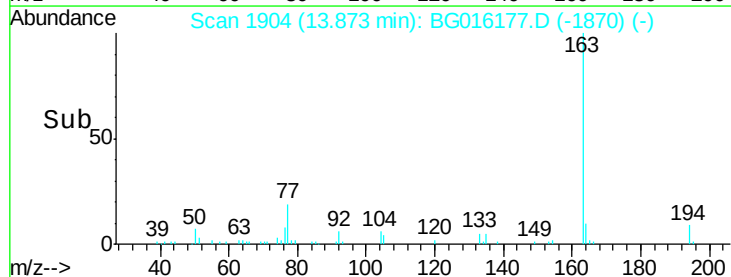
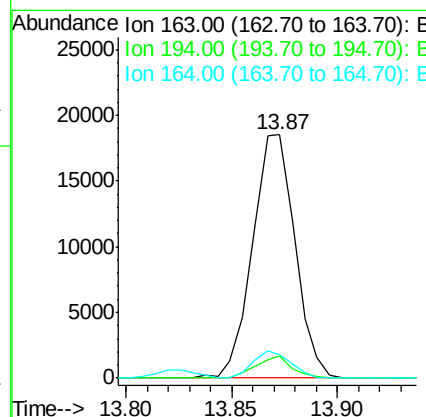
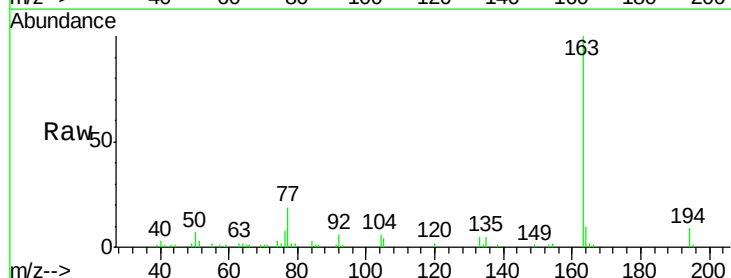
Instrument :
 BNA_G
 ClientSampleId :

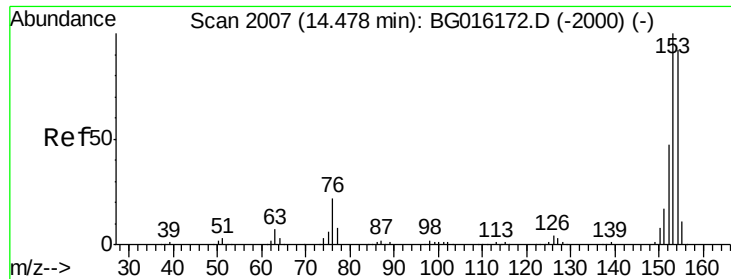
Tot Ion:142 Resp: 9024
 Ion Ratio Lower Upper
 142 100
 141 89.3 70.2 105.2



#44
 Dimethylphthalate
 Concen: 2.54 ng/ul
 RT: 13.87 min Scan# 1904
 Delta R.T. 0.00 min
 Lab File: BG016177.D
 Acq: 27 Mar 2015 16:00

Tgt Ion:163 Resp: 25874
 Ion Ratio Lower Upper
 163 100
 194 8.9 5.4 8.0#
 164 9.6 8.2 12.4





#49

Acenaphthene

Concen: 26.44 ng/ul

RT: 14.48 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BG016177.D

Acq: 27 Mar 2015 16:00

Instrument :

BNA_G

ClientSampleId :

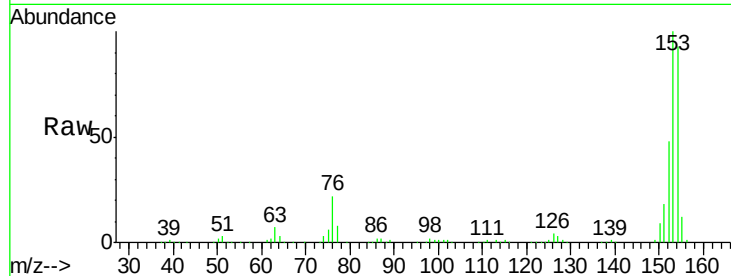
Tot Ion:153 Resp: 247553

Ion Ratio Lower Upper

153 100

152 47.5 37.4 56.2

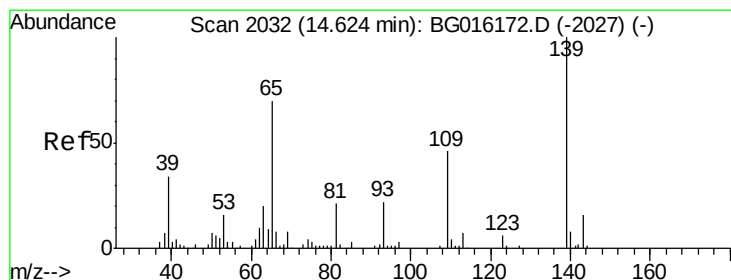
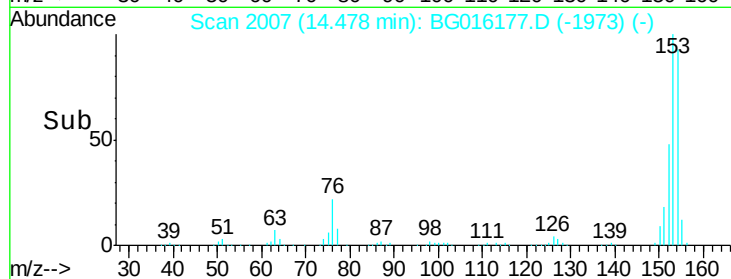
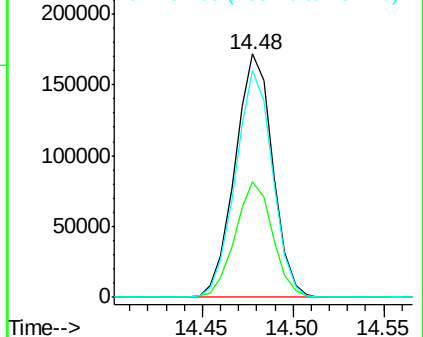
154 93.0 74.4 111.6



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



#52

4-Nitrophenol

Concen: 23.92 ng/ul

RT: 14.62 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BG016177.D

Acq: 27 Mar 2015 16:00

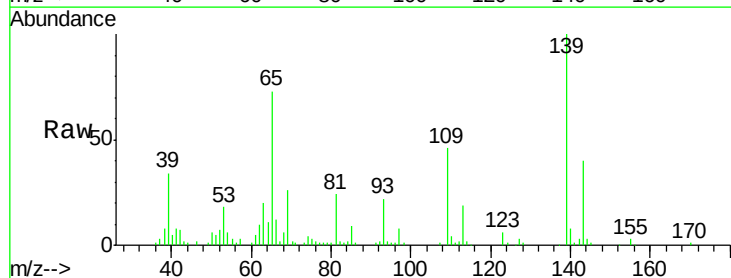
Tgt Ion:109 Resp: 27969

Ion Ratio Lower Upper

109 100

139 215.7 162.7 244.1

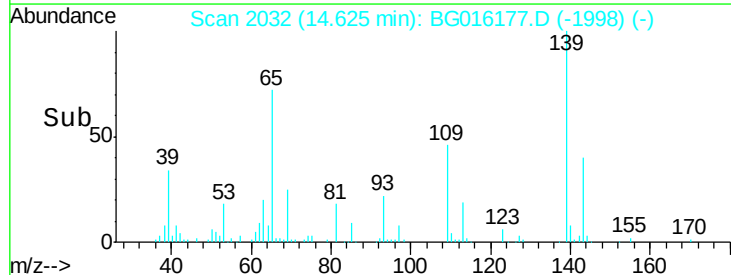
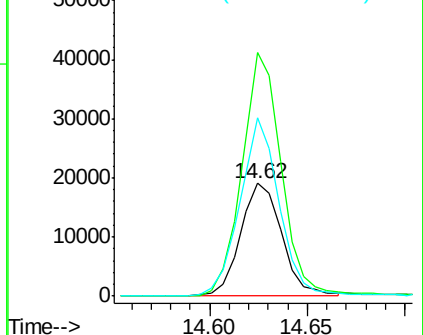
65 157.8 124.8 187.2

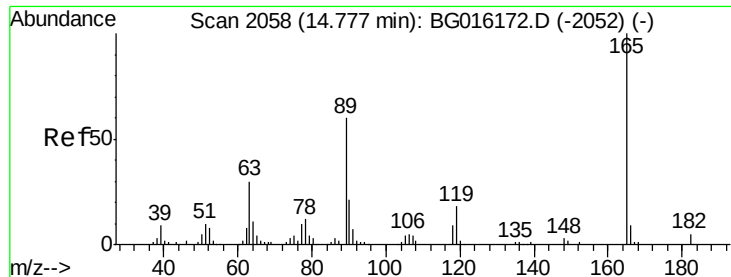


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC

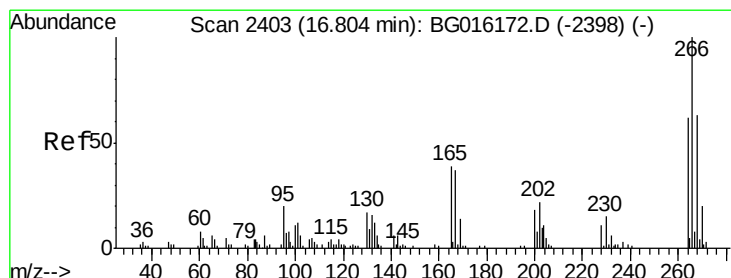
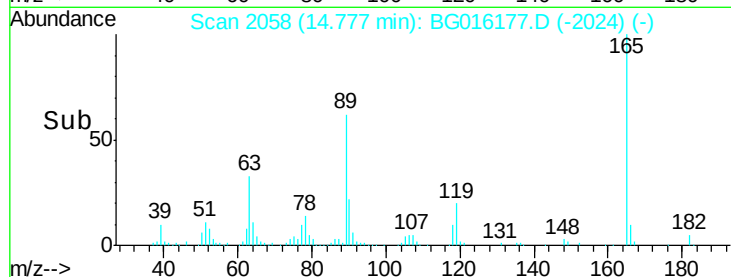
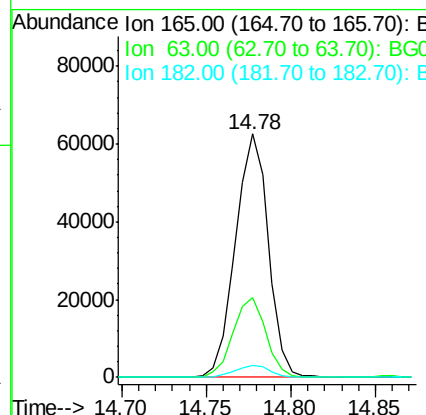
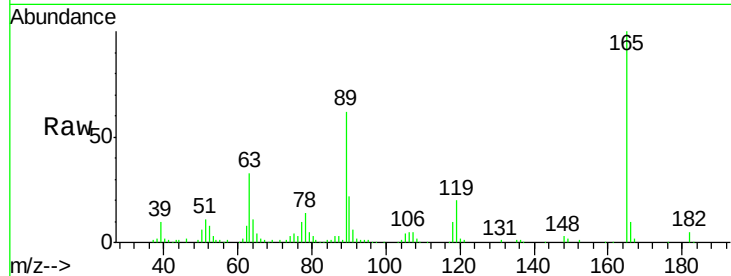




#54
 2,4-Dinitrotoluene
 Concen: 27.89 ng/ul
 RT: 14.78 min Scan# 2058
 Delta R.T. 0.00 min
 Lab File: BG016177.D
 Acq: 27 Mar 2015 16:00

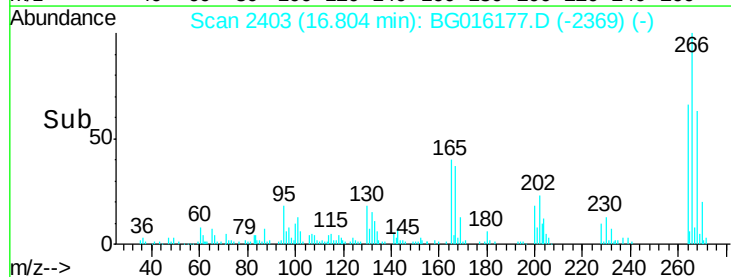
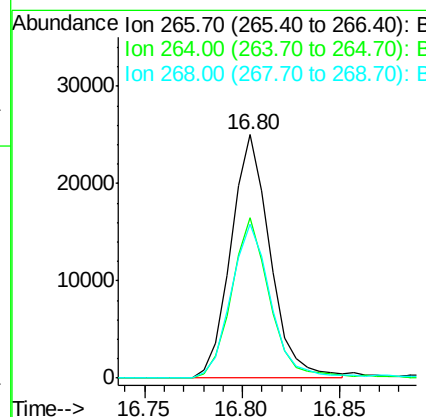
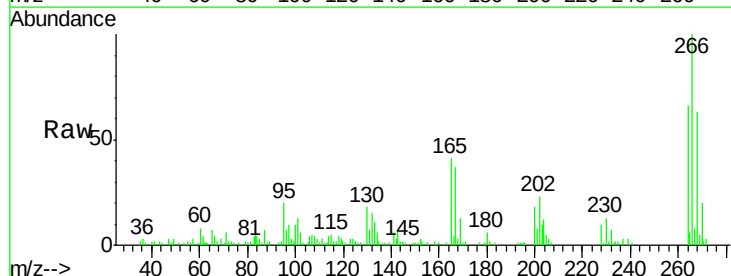
Instrument :
 BNA_G
 ClientSampleId :

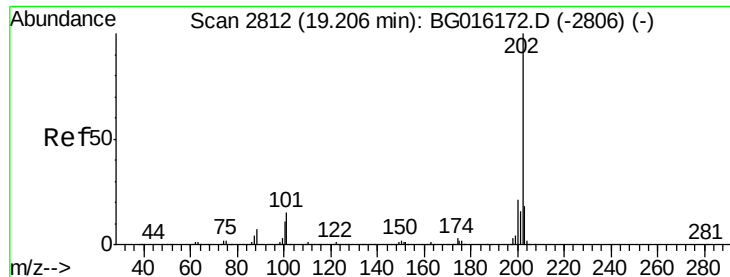
Tot Ion	Ratio	Lower	Upper
165	100		
63	32.8	27.1	40.7
182	5.2	3.9	5.9



#68
 Pentachlorophenol
 Concen: 18.87 ng/ul
 RT: 16.80 min Scan# 2403
 Delta R.T. 0.00 min
 Lab File: BG016177.D
 Acq: 27 Mar 2015 16:00

Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.8	49.2	73.8
268	63.3	47.6	71.4





#74

Fluoranthene

Concen: 4.06 ng/ul

RT: 19.21 min Scan# 2812

Delta R.T. 0.00 min

Lab File: BG016177.D

Acq: 27 Mar 2015 16:00

Instrument :

BNA_G

ClientSampleId :

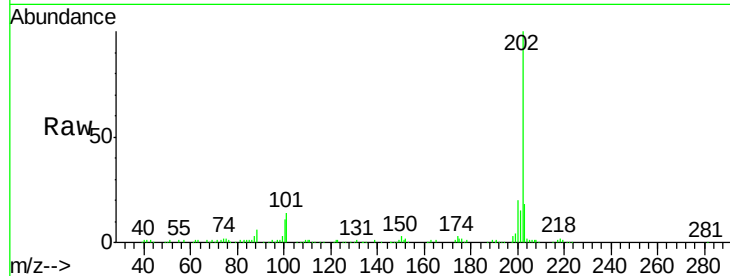
Tot Ion:202 Resp: 75509

Ion Ratio Lower Upper

202 100

101 14.4 12.9 19.3

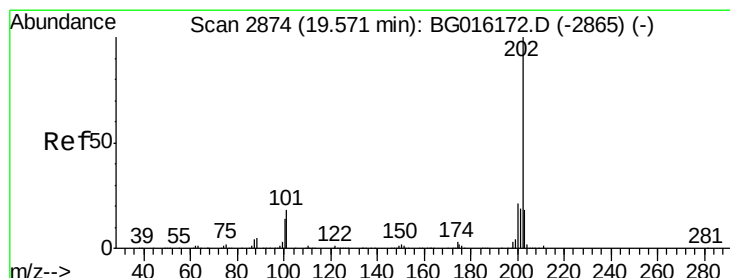
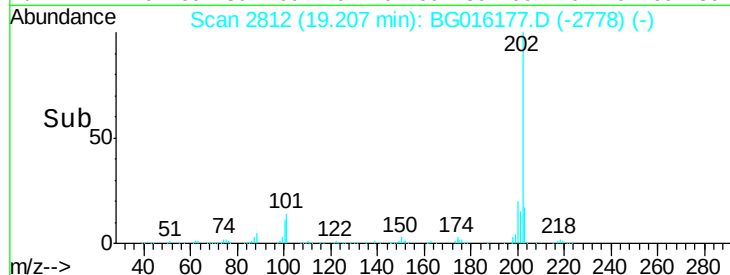
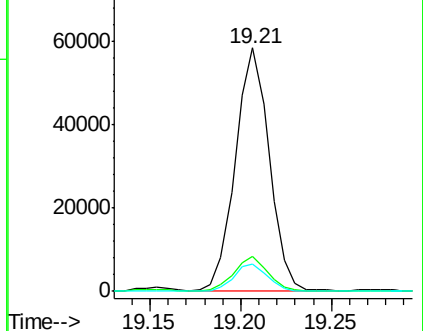
100 11.2 9.4 14.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 32.56 ng/ul

RT: 19.57 min Scan# 2874

Delta R.T. 0.00 min

Lab File: BG016177.D

Acq: 27 Mar 2015 16:00

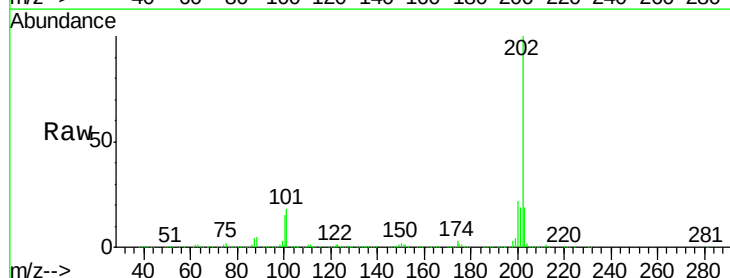
Tgt Ion:202 Resp: 604642

Ion Ratio Lower Upper

202 100

101 18.0 14.6 21.8

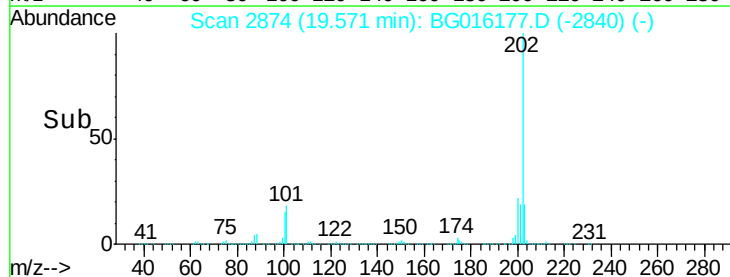
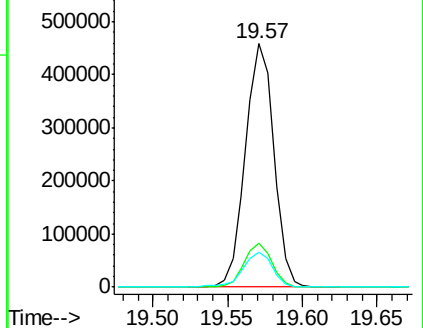
100 14.5 12.1 18.1

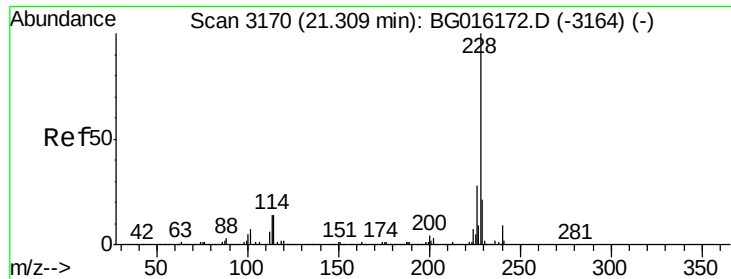


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

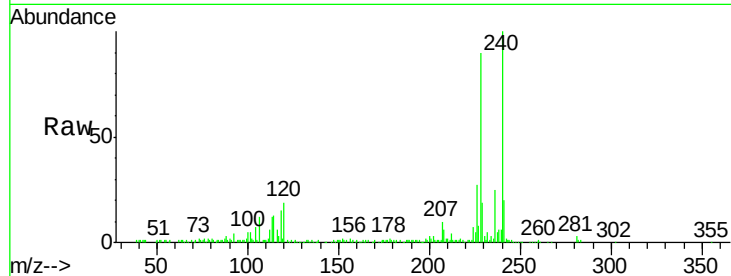




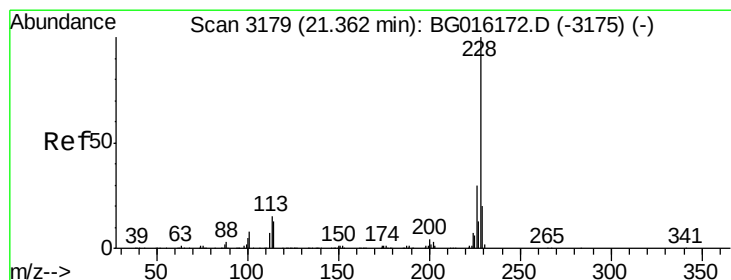
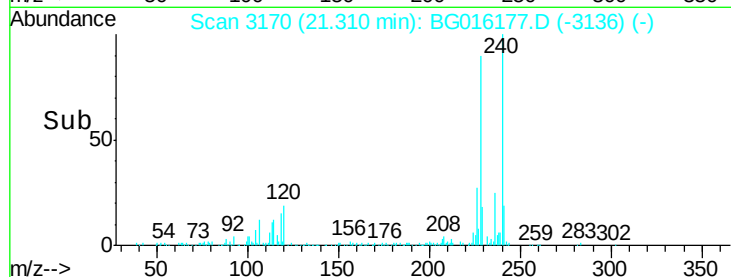
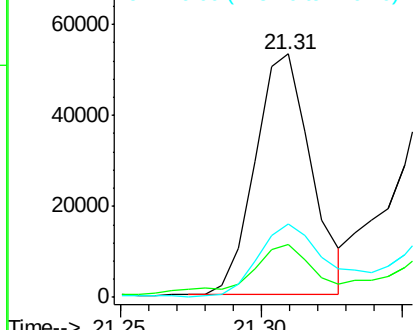
#80
Benzo(a)anthracene
Concen: 4.29 ng/ul
RT: 21.31 min Scan# 3170
Delta R.T. 0.00 min
Lab File: BG016177.D
Acq: 27 Mar 2015 16:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:228 Resp: 73296
Ion Ratio Lower Upper
228 100
229 21.5 16.2 24.4
226 30.2 22.4 33.6

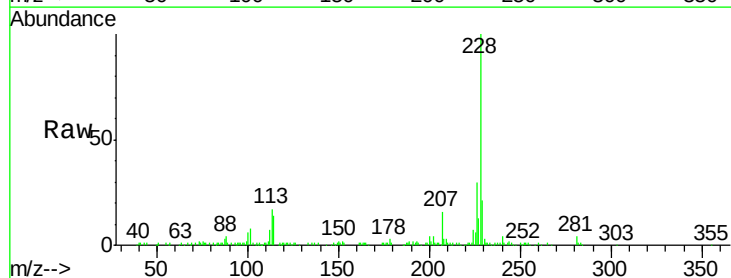


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

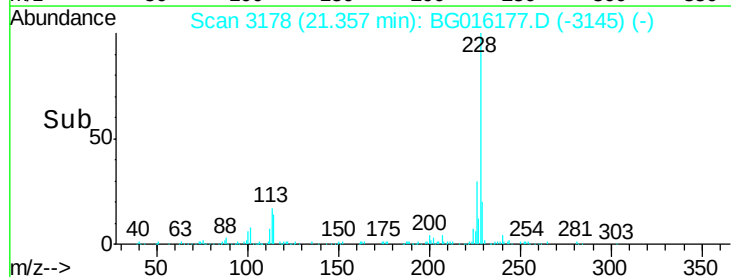
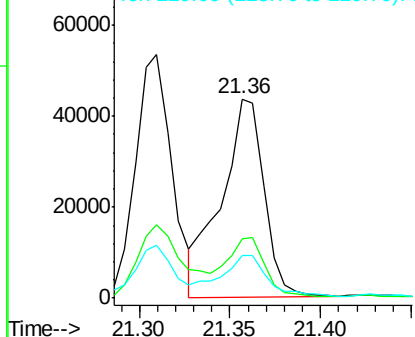


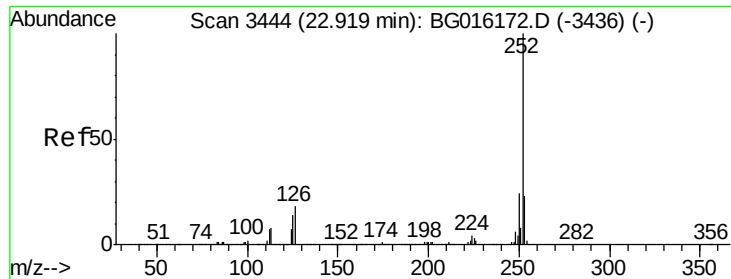
#82
Chrysene
Concen: 4.41 ng/ul
RT: 21.36 min Scan# 3178
Delta R.T. -0.01 min
Lab File: BG016177.D
Acq: 27 Mar 2015 16:00

Tgt Ion:228 Resp: 71733
Ion Ratio Lower Upper
228 100
226 29.9 24.6 36.8
229 21.2 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

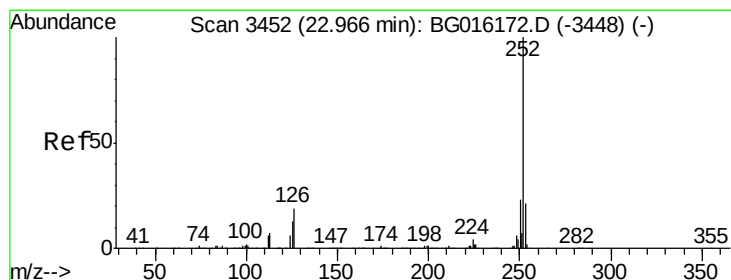
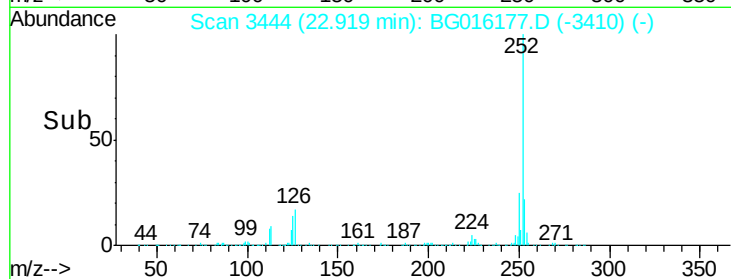
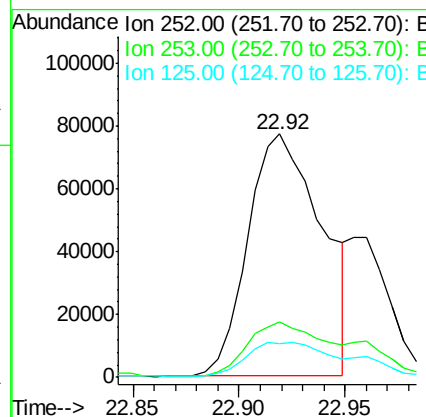
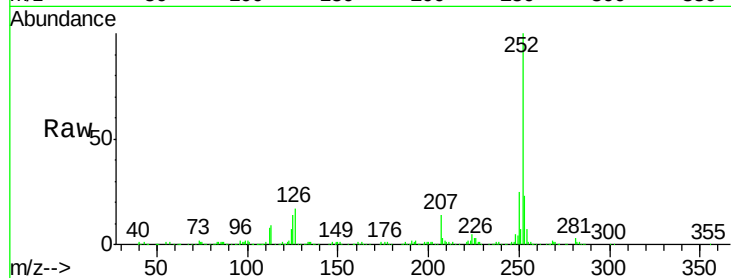




#85
Benzo(b)fluoranthene
Concen: 11.03 ng/ul
RT: 22.92 min Scan# 3444
Delta R.T. 0.00 min
Lab File: BG016177.D
Acq: 27 Mar 2015 16:00

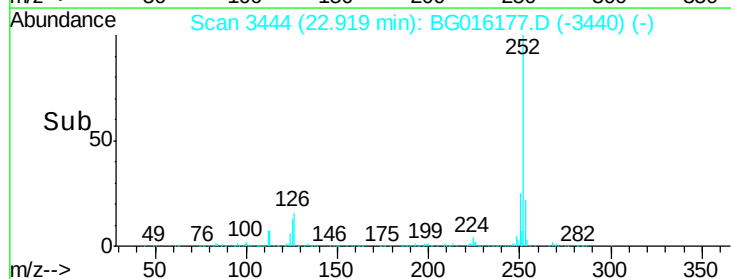
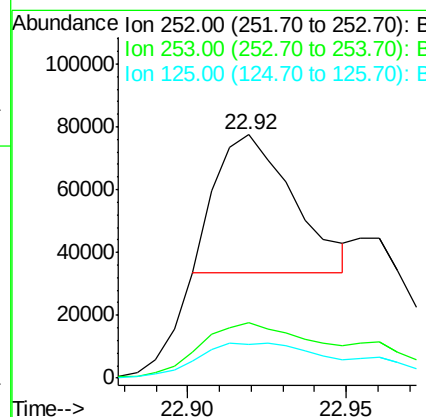
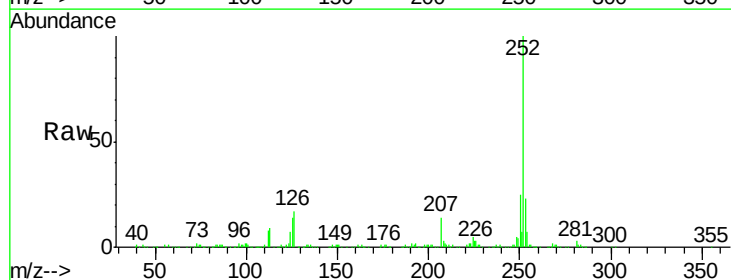
Instrument :
BNA_G
ClientSampleId :

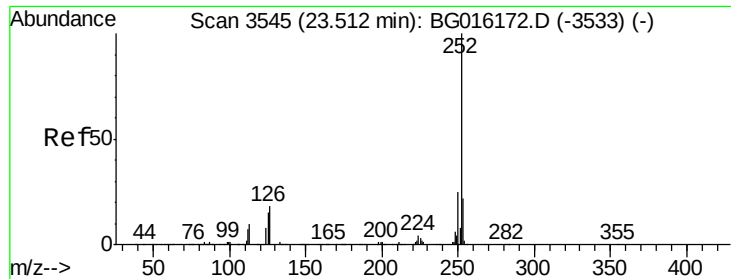
Tot Ion:252 Resp: 187247
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 13.7 11.0 16.6



#86
Benzo(k)fluoranthene
Concen: 4.46 ng/ul
RT: 22.92 min Scan# 3444
Delta R.T. -0.05 min
Lab File: BG016177.D
Acq: 27 Mar 2015 16:00

Tgt Ion:252 Resp: 74776
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 13.7 10.7 16.1





#88

Benzo(a)pyrene

Concen: 7.98 ng/ul

RT: 23.51 min Scan# 3544

Delta R.T. -0.01 min

Lab File: BG016177.D

Acq: 27 Mar 2015 16:00

Instrument :

BNA_G

ClientSampled :

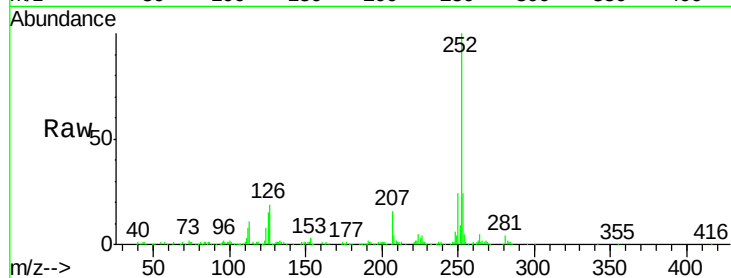
Tot Ion:252 Resp: 134948

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

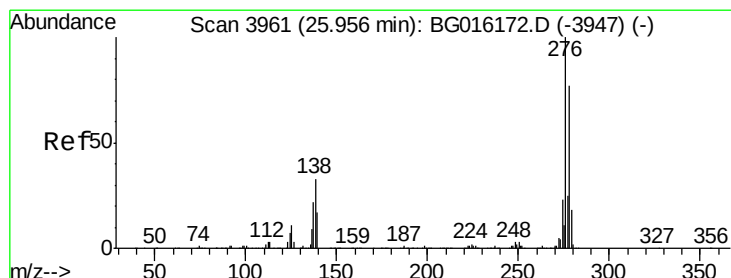
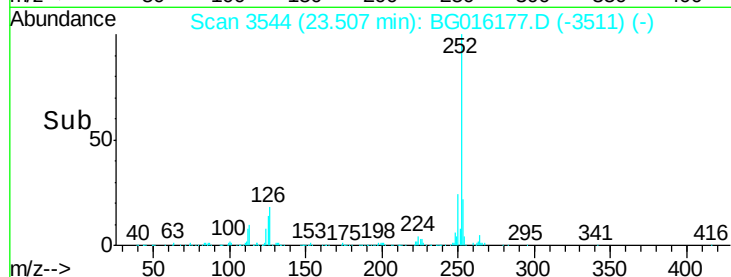
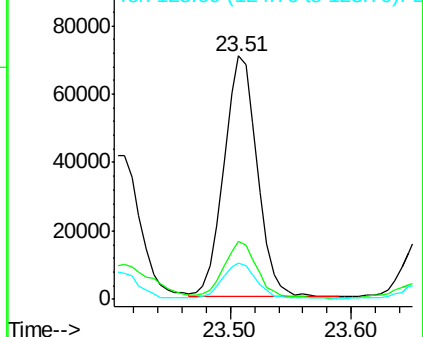
125 14.8 11.5 17.3



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 5.37 ng/ul

RT: 25.94 min Scan# 3959

Delta R.T. -0.01 min

Lab File: BG016177.D

Acq: 27 Mar 2015 16:00

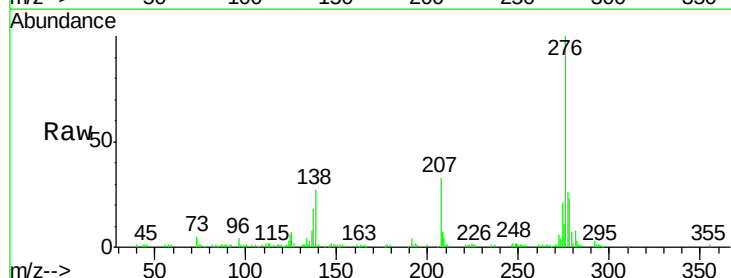
Tgt Ion:276 Resp: 105068

Ion Ratio Lower Upper

276 100

138 26.8 26.1 39.1

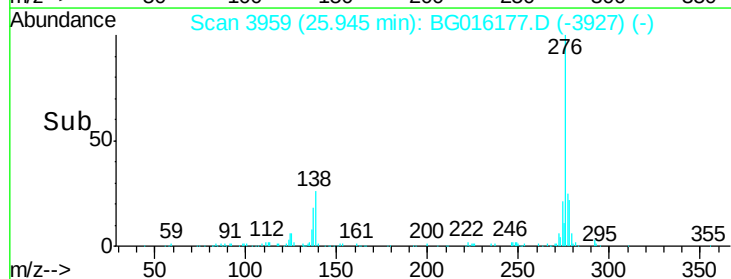
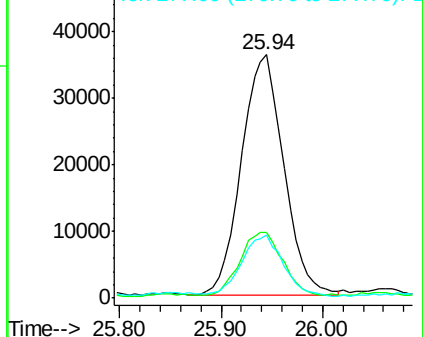
277 25.8 20.0 30.0

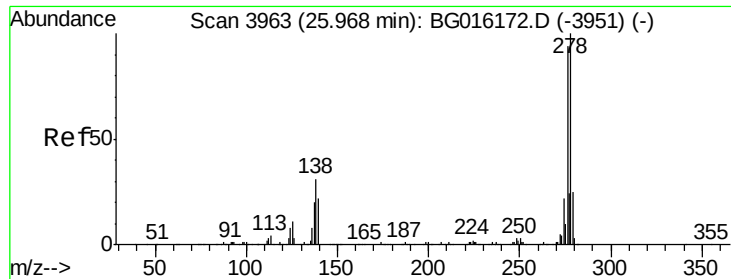


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.64 ng/ul

RT: 25.94 min Scan# 3959

Delta R.T. -0.02 min

Lab File: BG016177.D

Acq: 27 Mar 2015 16:00

Instrument :

BNA_G

ClientSampleId :

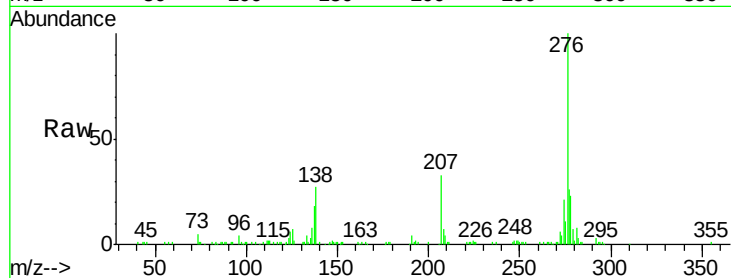
Tot Ion:278 Resp: 26985

Ion Ratio Lower Upper

278 100

139 0.0 17.8 26.6#

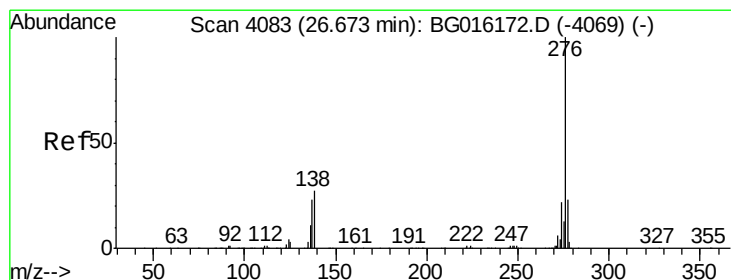
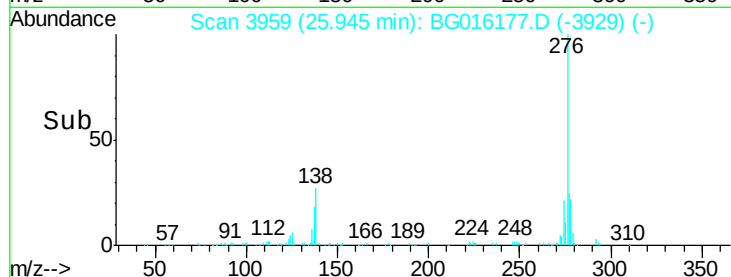
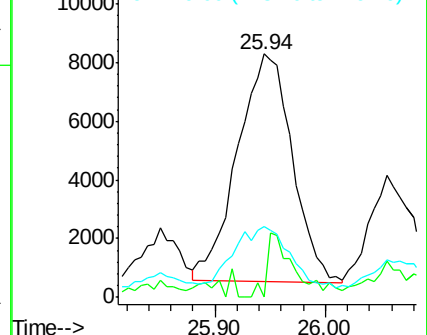
279 28.9 19.3 28.9#



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



#91

Benzo(g,h,i)perylene

Concen: 4.78 ng/ul

RT: 26.66 min Scan# 4081

Delta R.T. -0.01 min

Lab File: BG016177.D

Acq: 27 Mar 2015 16:00

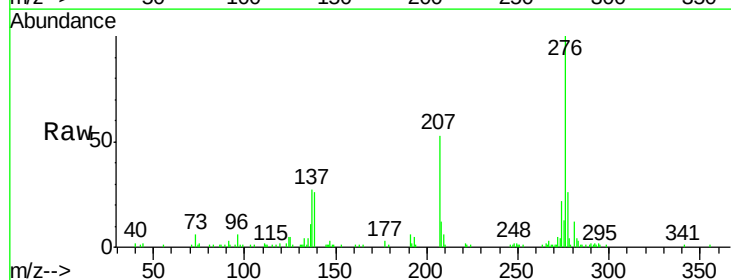
Tgt Ion:276 Resp: 78613

Ion Ratio Lower Upper

276 100

138 25.8 22.0 33.0

277 25.5 19.0 28.4



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

