

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012517\
 Data File : BG025651.D
 Acq On : 26 Jan 2017 2:53
 Operator : SJ/MA
 Sample : I1387-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA9Q6

Manual Integrations
 APPROVED

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 1/26/2017 5:11:48 PM

Quant Time: Jan 26 11:02:05 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 25 18:08:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	103389	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	519219	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.81	164	349720	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.56	188	662791	20.00	ng/ul	0.01
75) Chrysene-d12	21.85	240	740906	20.00	ng/ul	0.00
83) Perylene-d12	25.24	264	762628	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.52	96	4033	1.95	ng/uL	0.00
5) Phenol-d5	7.37	99	65367	7.38	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.49	67	209360	36.58	ng/ul	0.00
9) 2-Chlorophenol-d4	7.72	132	174346	27.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.90	113	132790	17.63	ng/ul	0.00
19) Nitrobenzene-d5	9.36	128	127088m	34.53	ng/ul	0.00
22) 2-Nitrophenol-d4	10.09	143	165191	37.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.65	165	247511	28.57	ng/ul	0.02
29) 4-Chloroaniline-d4	11.15	131	6466	0.67	ng/ul	0.00
43) Dimethylphthalate-d6	14.28	166	832522	33.71	ng/ul	0.08
46) Acenaphthylene-d8	14.51	160	994514	37.28	ng/ul	0.00
51) 4-Nitrophenol-d4	15.11	143	42768m	12.64	ng/ul	0.07
57) Fluorene-d10	15.80	176	750142	32.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.66	188	1075996	38.13	ng/ul	0.01
76) Pyrene-d10	19.94	212	1204892	39.08	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.01	264	1204252	37.57	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	7.39	94	28392	3.05	ng/ul#	89
11) 2-Methylphenol	8.64	108	15496	2.23	ng/ul	97
14) Acetophenone	9.01	105	33172	2.82	ng/ul	89
16) 4-Methylphenol	8.98	108	44695m	5.88	ng/ul	
21) Isophorone	9.93	82	353526	15.97	ng/ul#	94
24) 2,4-Dimethylphenol	10.21	107	18007	1.67	ng/ul#	76
28) Naphthalene	11.09	128	9652474	402.66	ng/ul#	8
34) 2-Methylnaphthalene	12.66	142	3492767	178.47	ng/ul	91
38) 2,4,6-Trichlorophenol	13.26	196	9138	1.43	ng/ul	89
39) 2,4,5-Trichlorophenol	13.34	196	3375526m	504.89	ng/ul	
40) 1,1'-Biphenyl	13.64	154	739853	34.14	ng/ul	96
47) Acenaphthylene	14.54	152	69444	2.67	ng/ul#	77
49) Acenaphthene	14.88	153	1051078	56.81	ng/ul	98
53) Dibenzofuran	15.21	168	1707683	60.06	ng/ul	92
55) 2,3,4,6-Tetrachlorophenol	15.44	232	490720	69.37	ng/ul#	98
58) Fluorene	15.86	166	967826	41.68	ng/ul	99
68) Pentachlorophenol	17.23	266	2022770	556.30	ng/ul	94
69) Phenanthrene	17.61	178	2276849m	70.67	ng/ul	
71) Anthracene	17.70	178	269827	8.33	ng/ul	98
72) Carbazole	17.98	167	3129016	116.48	ng/ul#	82
74) Fluoranthene	19.60	202	255360	6.72	ng/ul	98
77) Pvrene	19.97	202	121913	3.35	ng/ul#	95

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

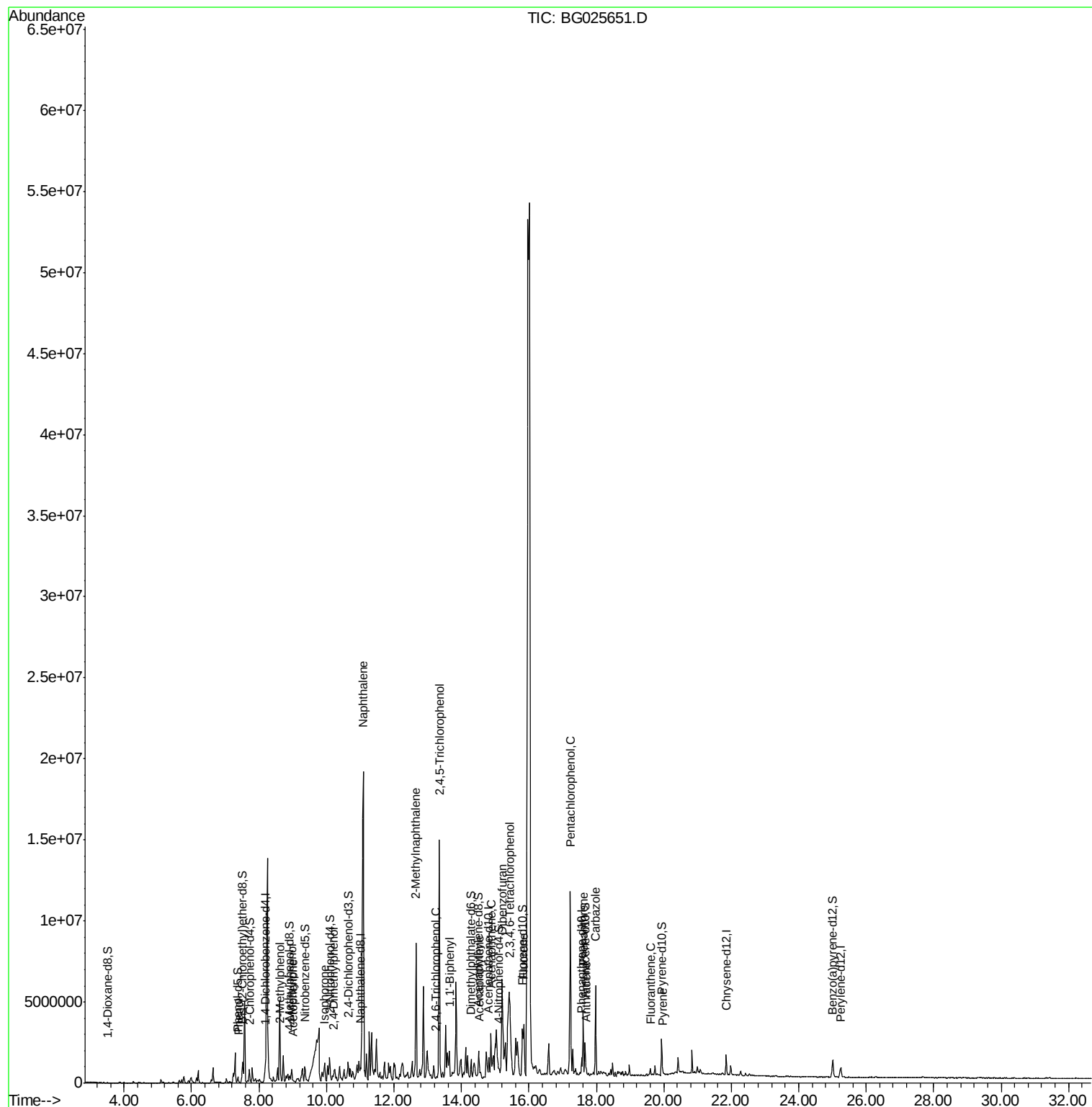
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Acq On : 26 Jan 2017 2:53
Operator : SJ/MA
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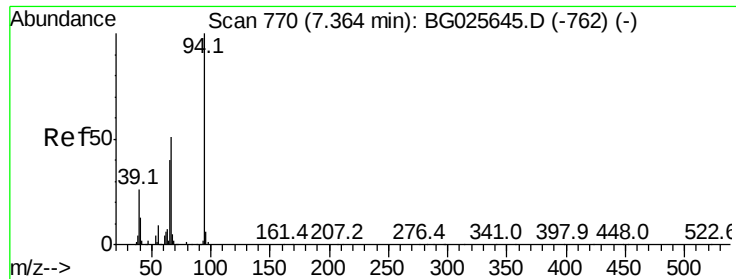
Instrument :
BNA_G
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#6

Phenol

Concen: 3.05 ng/ul

RT: 7.39 min Scan# 775

Delta R.T. 0.03 min

Lab File: BG025651.D

Acq: 26 Jan 2017 2:53

Instrument :

BNA_G

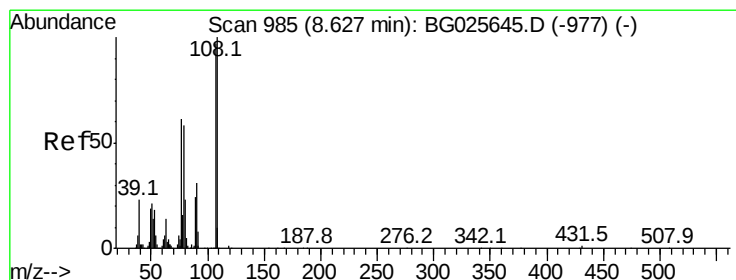
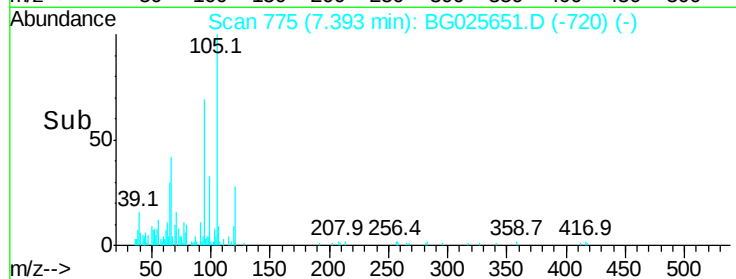
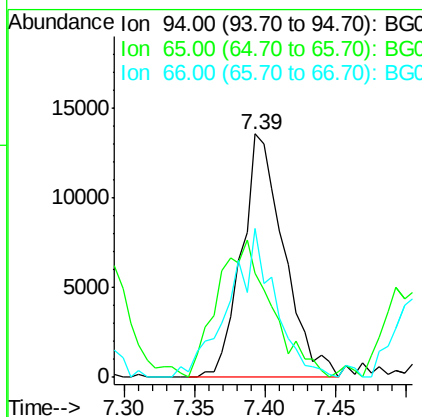
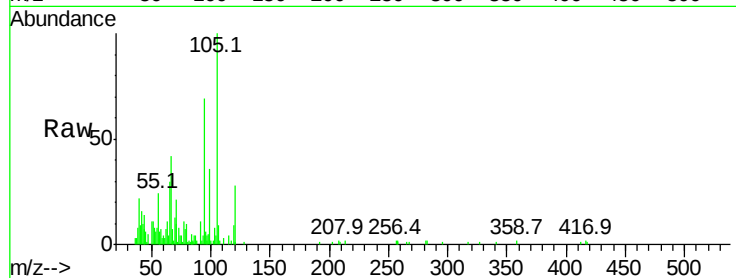
ClientSampleId :

DA9Q6

Tot Ion	Ratio	Lower	Upper
94	100		
65	43.0	26.8	40.2#
66	61.1	44.4	66.6

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#11

2-Methylphenol

Concen: 2.23 ng/ul

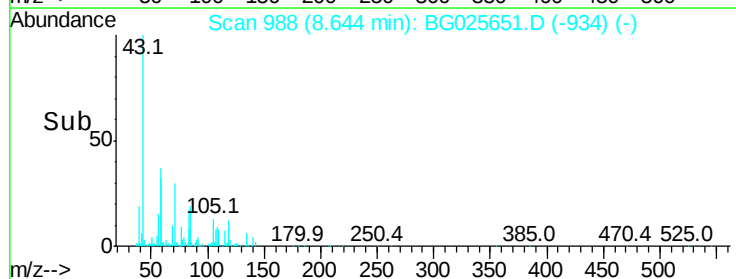
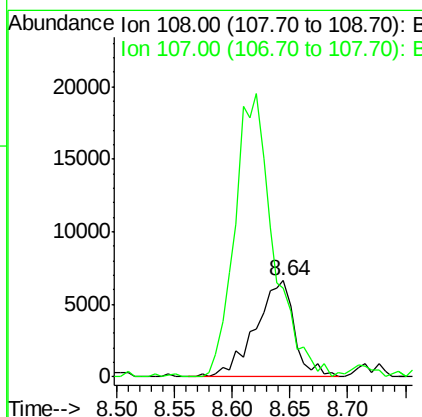
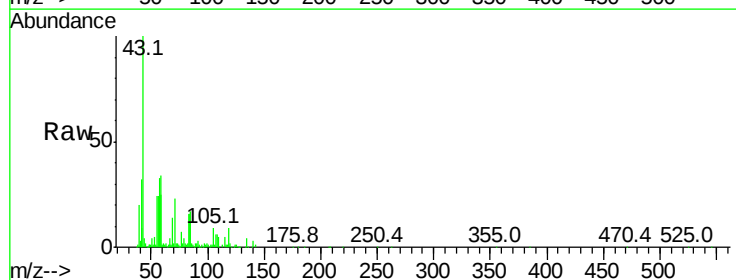
RT: 8.64 min Scan# 988

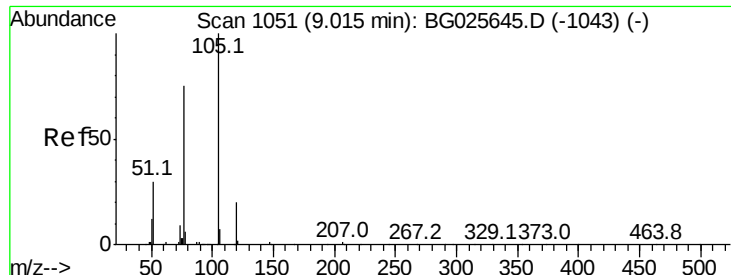
Delta R.T. 0.02 min

Lab File: BG025651.D

Acq: 26 Jan 2017 2:53

Tgt Ion	Ratio	Lower	Upper
108	100		
107	92.7	76.7	115.1





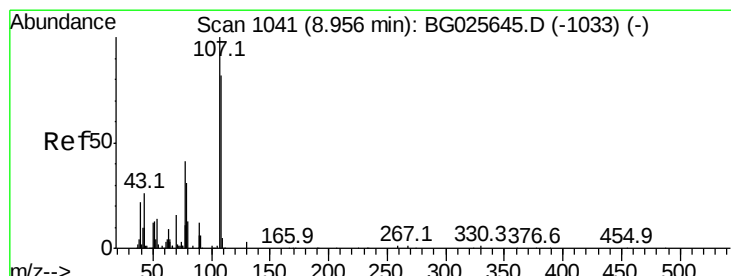
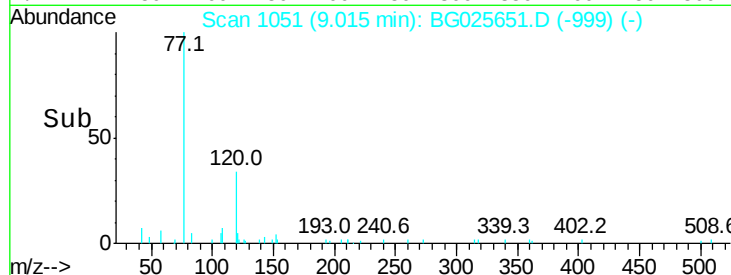
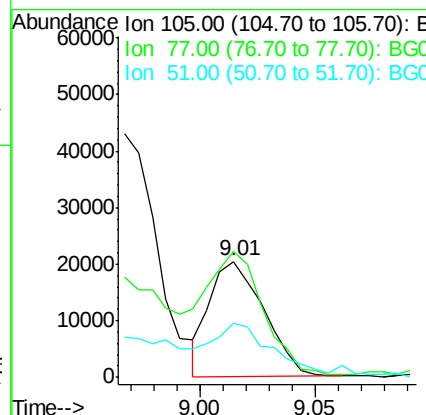
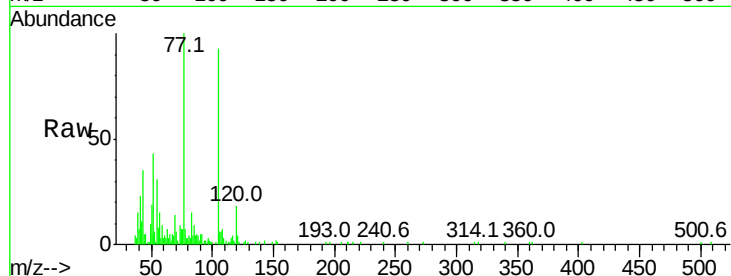
#14
Acetophenone
Concen: 2.82 ng/ul
RT: 9.01 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BG025651.D
Acq: 26 Jan 2017 2:53

Instrument :
BNA_G
ClientSampleId :
DA9Q6

Tot Ion	Ratio	Lower	Upper
105	100		
77	108.1	76.0	114.0
51	46.2	34.8	52.2

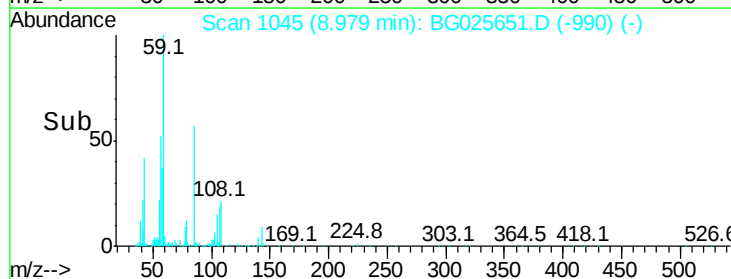
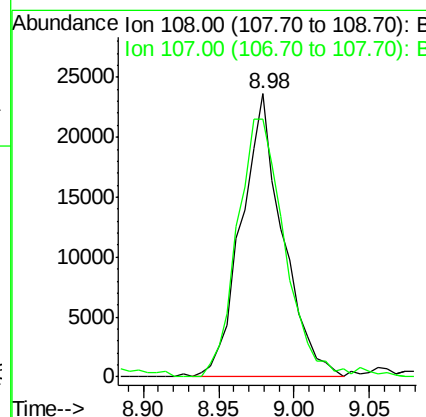
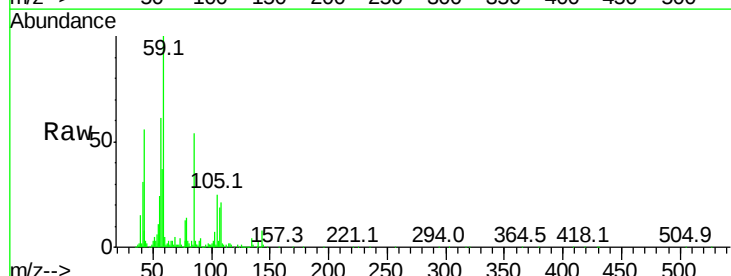
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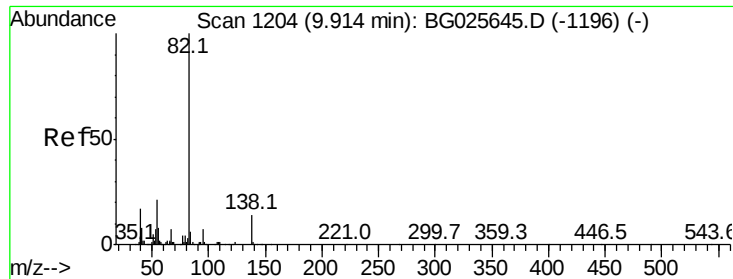
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#16
4-Methylphenol
Concen: 5.88 ng/ul m
RT: 8.98 min Scan# 1045
Delta R.T. 0.03 min
Lab File: BG025651.D
Acq: 26 Jan 2017 2:53

Tgt Ion	Ratio	Lower	Upper
108	100		
107	91.1	91.7	137.5#





#21

Isophorone

Concen: 15.97 ng/ul

RT: 9.93 min Scan# 1206

Delta R.T. 0.01 min

Lab File: BG025651.D

Acq: 26 Jan 2017 2:53

Instrument :

BNA_G

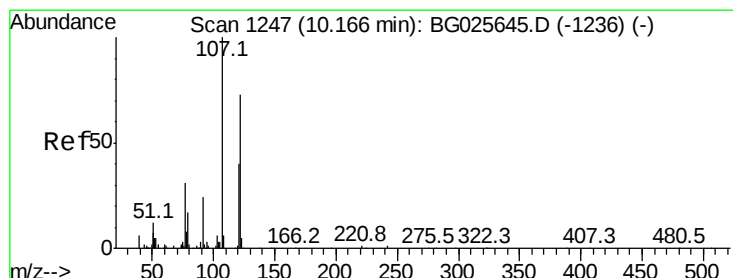
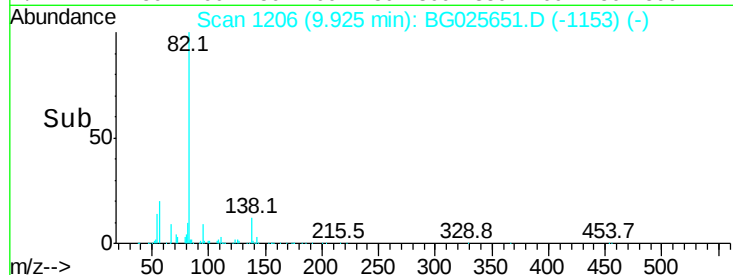
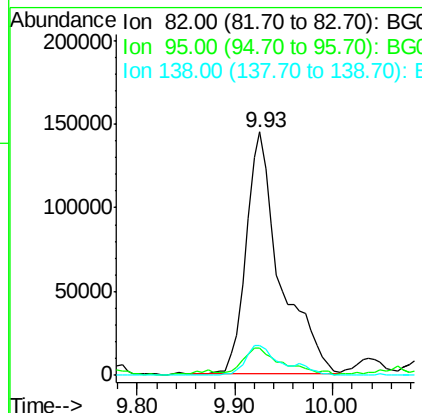
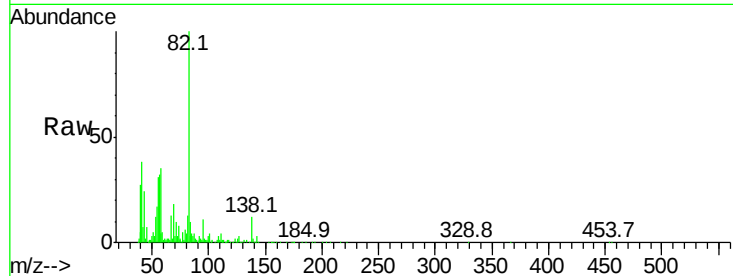
ClientSampleId :

DA9Q6

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	11.4	7.8	11.6	
138	12.1	12.2	18.2#	

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#24

2,4-Dimethylphenol

Concen: 1.67 ng/ul

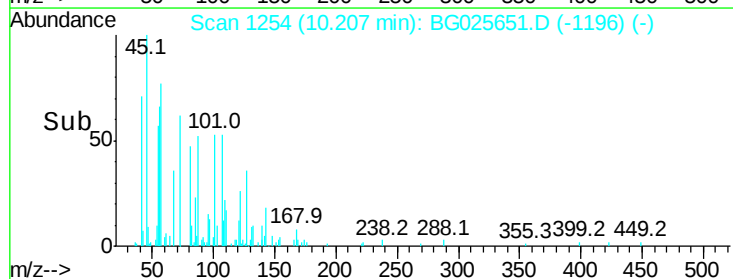
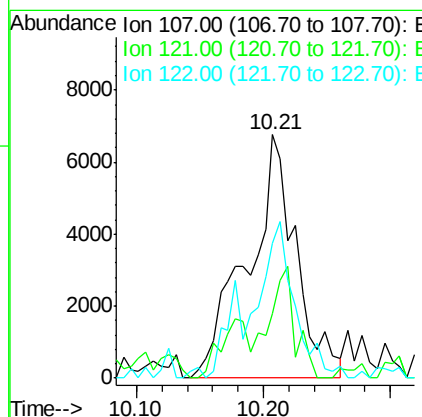
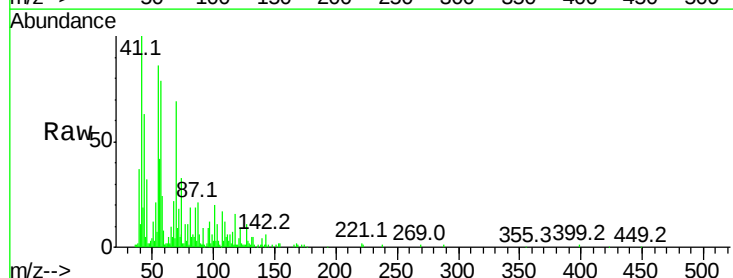
RT: 10.21 min Scan# 1254

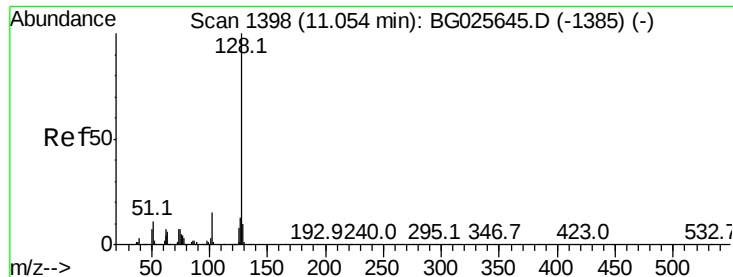
Delta R.T. 0.04 min

Lab File: BG025651.D

Acq: 26 Jan 2017 2:53

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
121	26.6	32.3	48.5#	
122	55.5	61.2	91.8#	





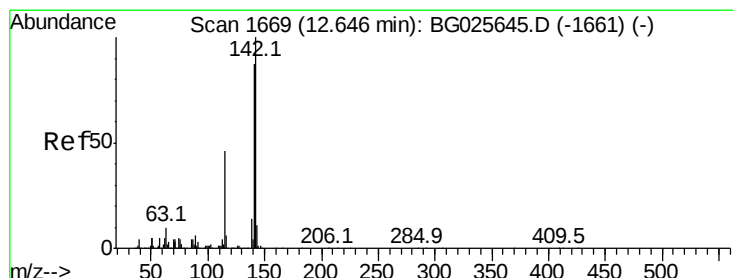
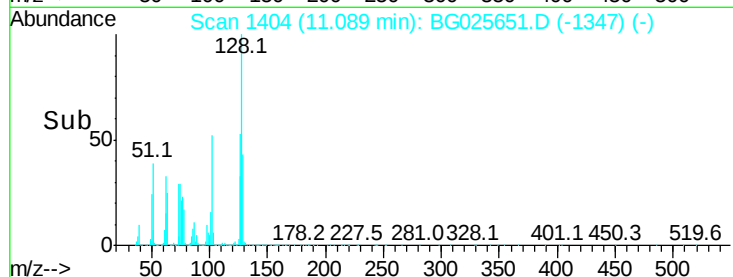
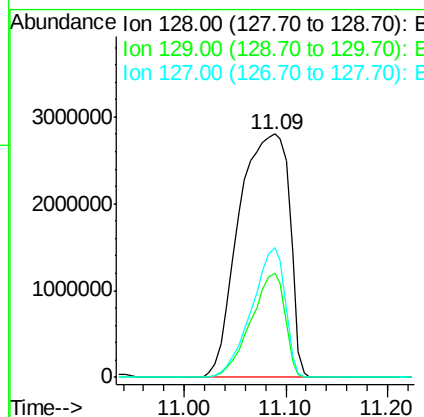
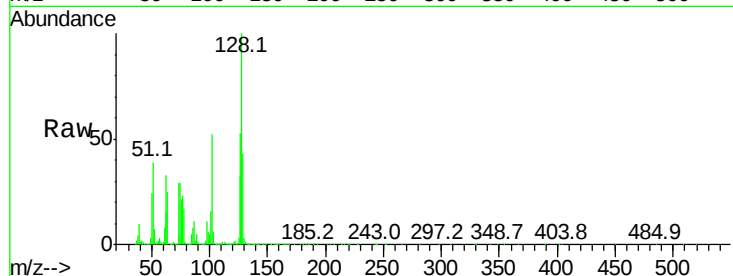
#28
Naphthalene
Concen: 402.66 ng/ul
RT: 11.09 min Scan# 1404
Delta R.T. 0.04 min
Lab File: BG025651.D
Acq: 26 Jan 2017 2:53

Instrument :
BNA_G
ClientSampleId :
DA9Q6

Tot Ion:128 Resp: 9652474
Ion Ratio Lower Upper
128 100
129 42.8 9.4 14.2#
127 53.3 10.3 15.5#

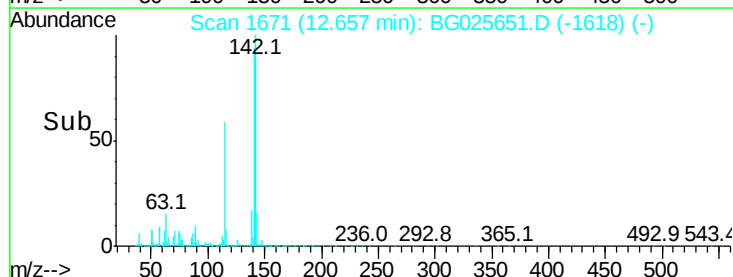
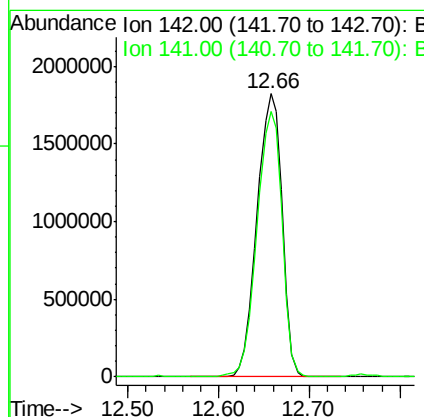
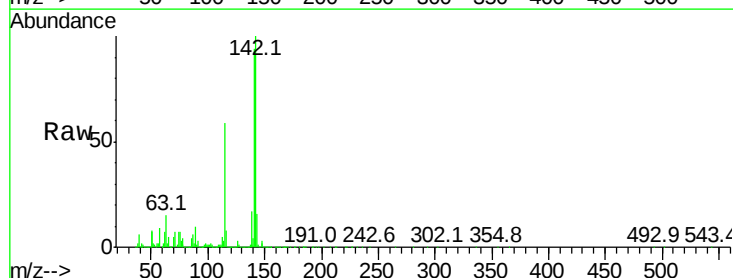
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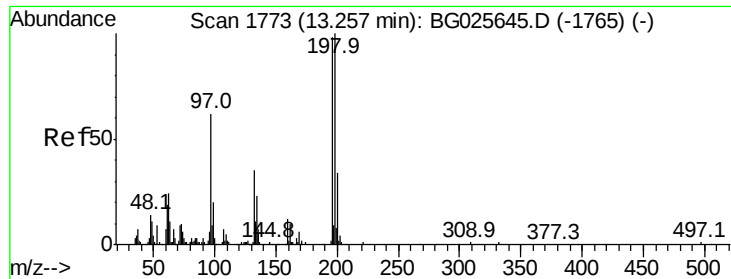
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#34
2-Methylnaphthalene
Concen: 178.47 ng/ul
RT: 12.66 min Scan# 1671
Delta R.T. 0.01 min
Lab File: BG025651.D
Acq: 26 Jan 2017 2:53

Tgt Ion:142 Resp: 3492767
Ion Ratio Lower Upper
142 100
141 93.9 68.6 102.8





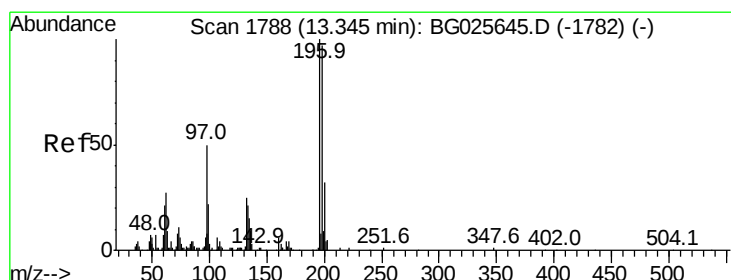
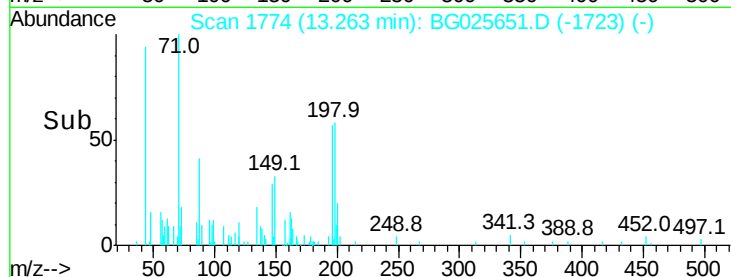
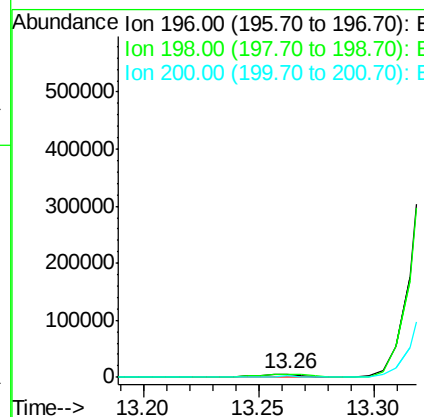
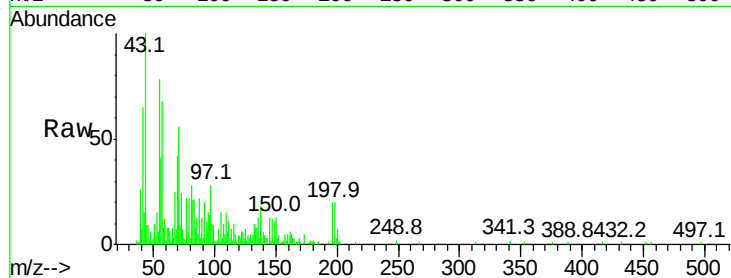
#38
2,4,6-Trichlorophenol
Concen: 1.43 ng/ul
RT: 13.26 min Scan# 1774
Delta R.T. 0.00 min
Lab File: BG025651.D
Acq: 26 Jan 2017 2:53

Instrument :
BNA_G
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
196	100			
198	100.7	71.4	107.2	
200	35.1	24.6	37.0	

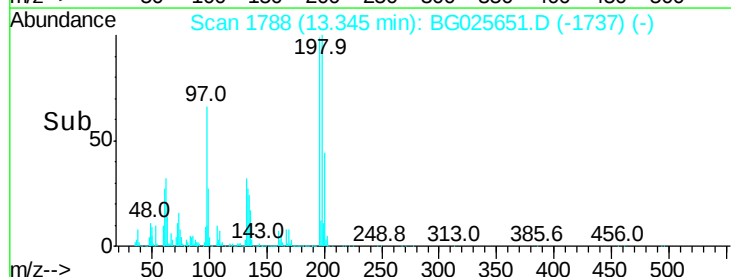
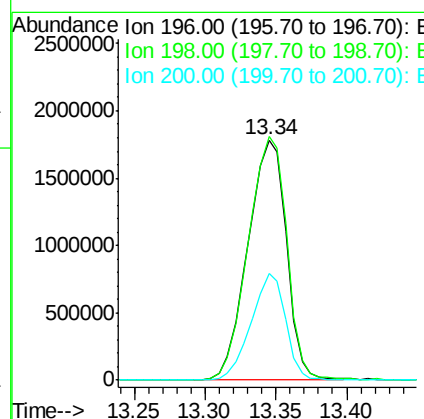
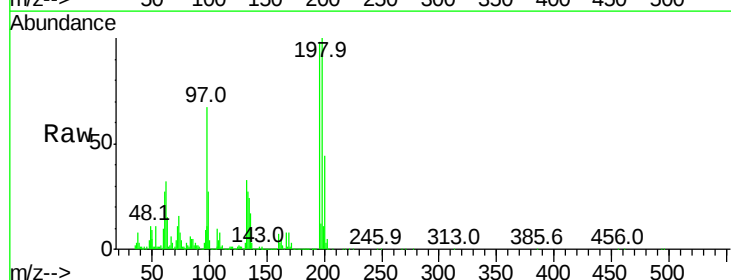
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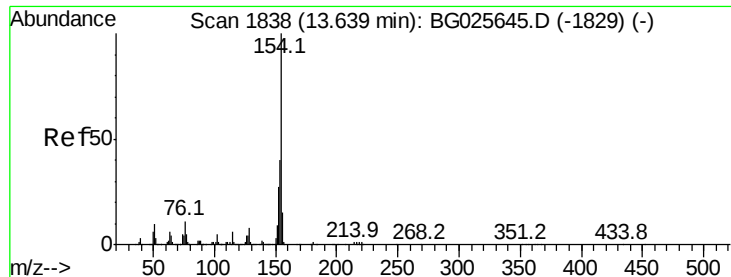
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#39
2,4,5-Trichlorophenol
Concen: 504.89 ng/ul m
RT: 13.34 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BG025651.D
Acq: 26 Jan 2017 2:53

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	101.5	78.6	118.0	
200	44.2	27.3	40.9	





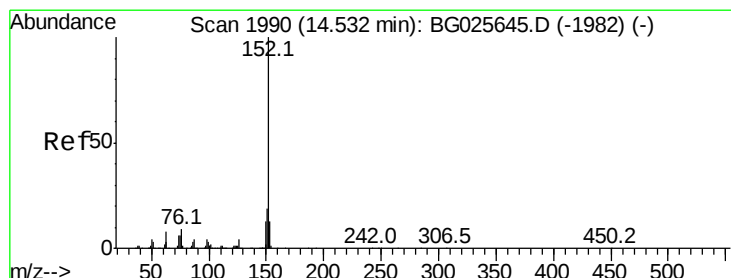
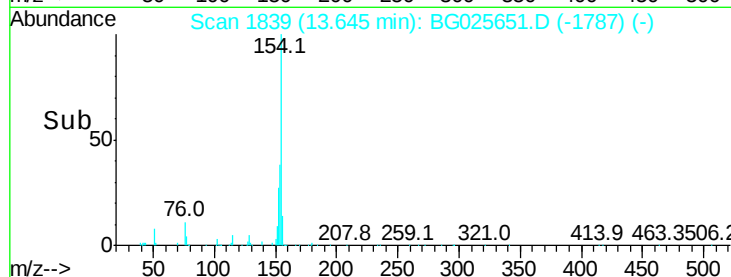
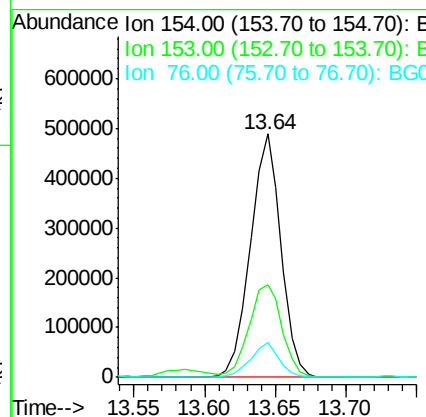
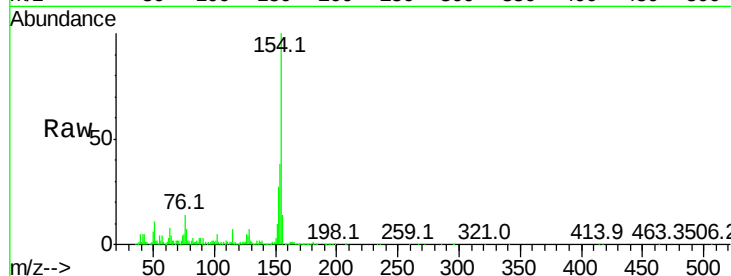
#40
1,1'-Biphenyl
Concen: 34.14 ng/ul
RT: 13.64 min Scan# 1839
Delta R.T. 0.01 min
Lab File: BG025651.D
Acq: 26 Jan 2017 2:53

Instrument :
BNA_G
ClientSampleId :
DA9Q6

Tot Ion	154	Resp	739853
Ion Ratio	100	Lower	Upper
154	100		
153	38.3	32.2	48.2
76	14.3	9.6	14.4

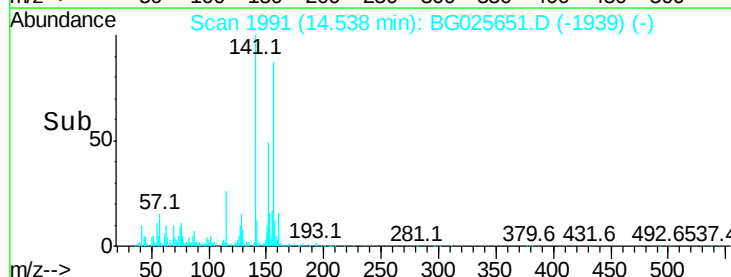
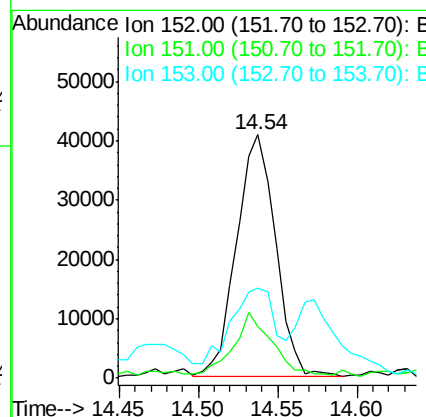
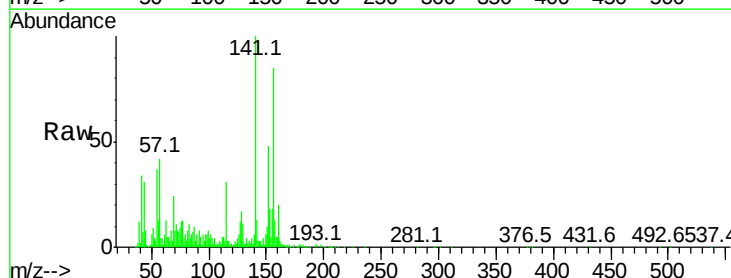
Manual Integrations
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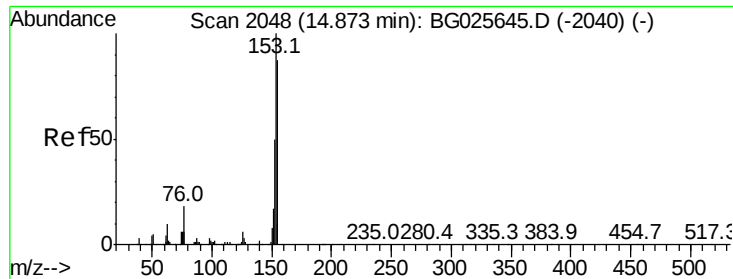
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#47
Acenaphthylene
Concen: 2.67 ng/ul
RT: 14.54 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BG025651.D
Acq: 26 Jan 2017 2:53

Tgt Ion	152	Resp	69444
Ion Ratio	100	Lower	Upper
152	100		
151	21.2	16.7	25.1
153	37.2	11.4	17.2#





#49

Acenaphthene

Concen: 56.81 ng/ul

RT: 14.88 min Scan# 2049

Delta R.T. 0.01 min

Lab File: BG025651.D

Acq: 26 Jan 2017 2:53

Instrument :

BNA_G

ClientSampleId :

DA9Q6

Tot Ion:153 Resp: 1051078

Ion Ratio Lower Upper

153 100

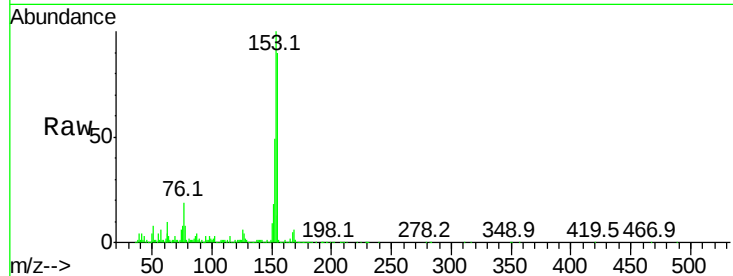
152 48.6 36.5 54.7

154 89.7 72.3 108.5

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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

14.88

800000

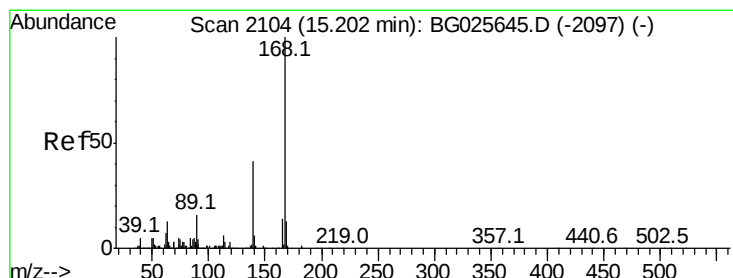
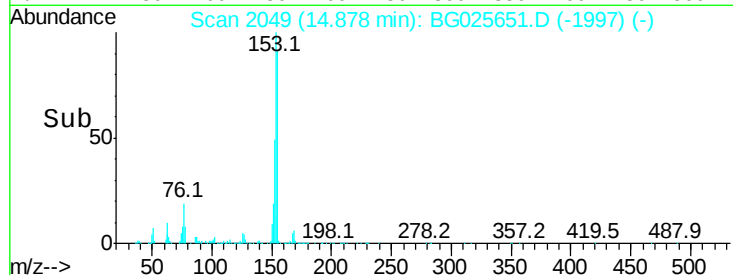
600000

400000

200000

0

Time-->



#53

Dibenzofuran

Concen: 60.06 ng/ul

RT: 15.21 min Scan# 2105

Delta R.T. 0.00 min

Lab File: BG025651.D

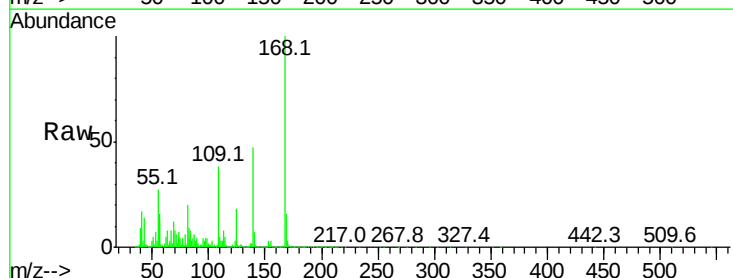
Acq: 26 Jan 2017 2:53

Tgt Ion:168 Resp: 1707683

Ion Ratio Lower Upper

168 100

139 47.2 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.21

1200000

1000000

800000

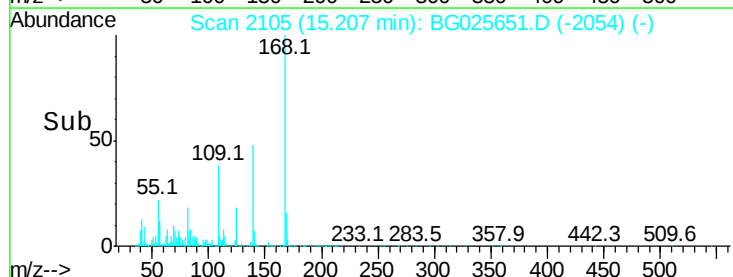
600000

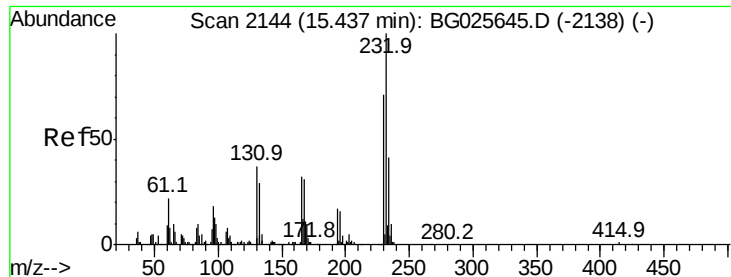
400000

200000

0

Time-->





#55

2,3,4,6-Tetrachlorophenol

Concen: 69.37 ng/ul

RT: 15.44 min Scan# 2145

Delta R.T. 0.01 min

Lab File: BG025651.D

Acq: 26 Jan 2017 2:53

Instrument :

BNA_G

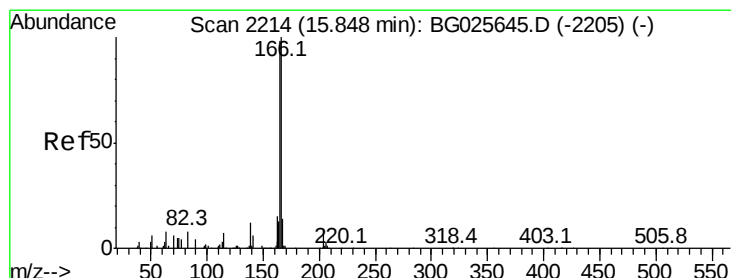
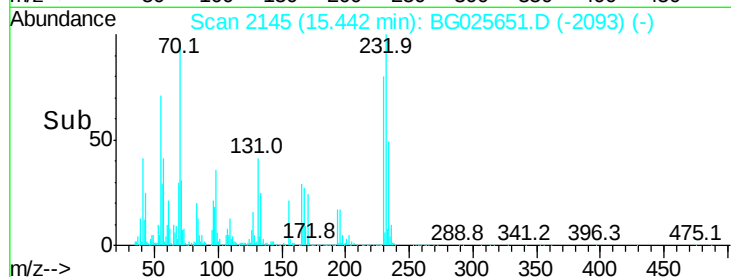
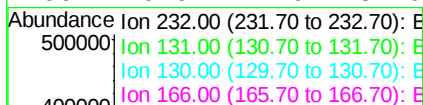
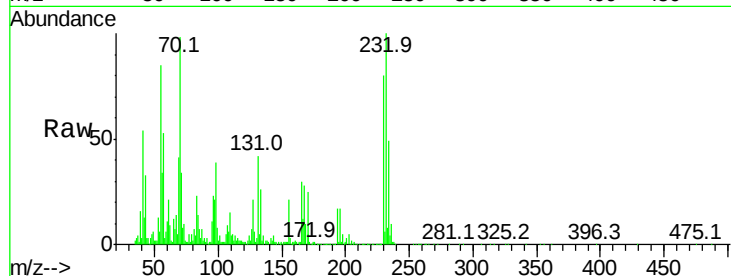
ClientSampled :

DA9Q6

Tot Ion	Ratio	Resp	Lower	Upper
232	100	490720		
131	41.8	33.3	49.9	
130	2.8	1.8	2.6	
166	29.9	21.9	32.9	

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#58

Fluorene

Concen: 41.68 ng/ul

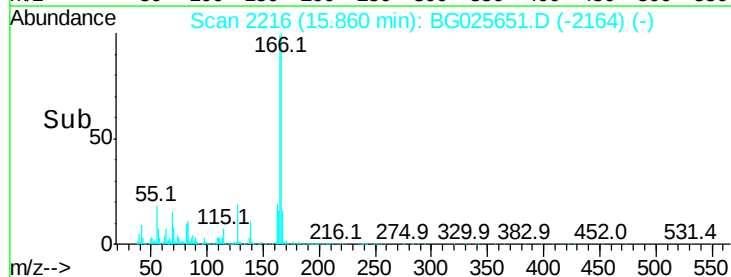
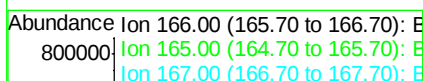
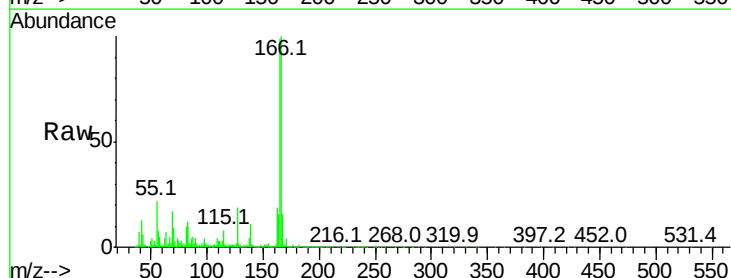
RT: 15.86 min Scan# 2216

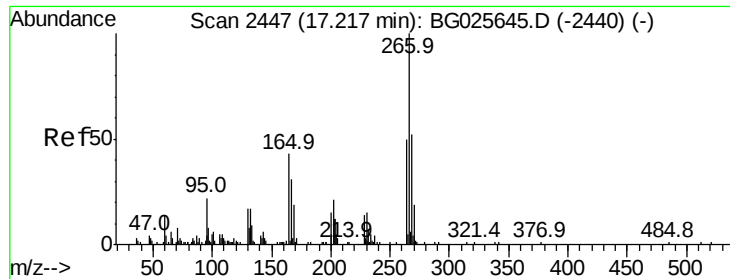
Delta R.T. 0.01 min

Lab File: BG025651.D

Acq: 26 Jan 2017 2:53

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	967826		
165	99.1	79.7	119.5	
167	15.8	11.4	17.2	





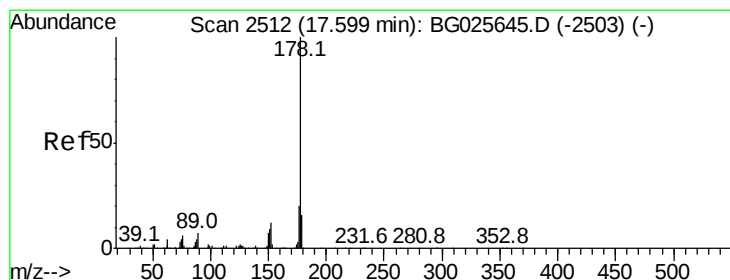
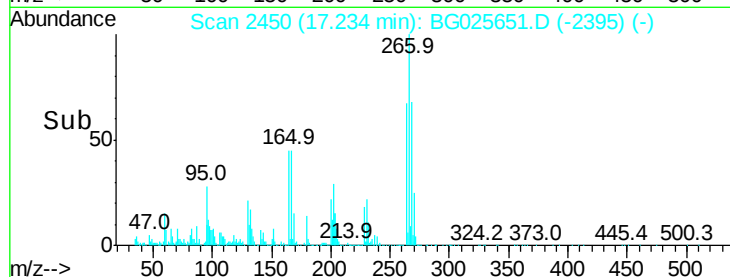
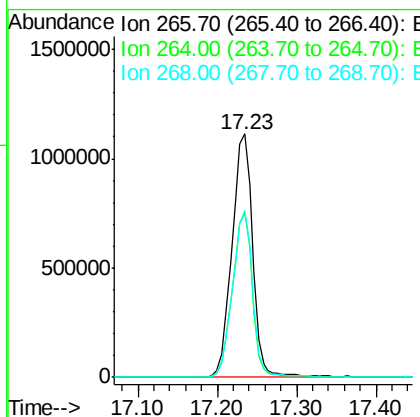
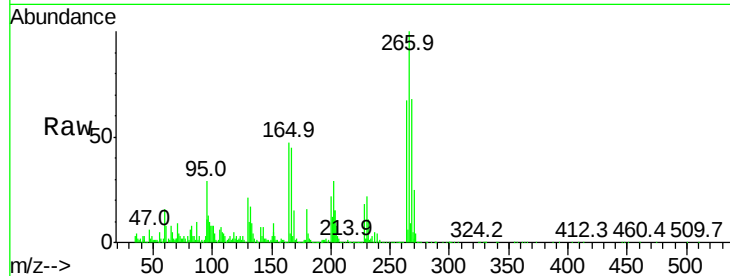
#68
 Pentachlorophenol
 Concen: 556.30 ng/ul
 RT: 17.23 min Scan# 2450
 Delta R.T. 0.03 min
 Lab File: BG025651.D
 Acq: 26 Jan 2017 2:53

Instrument :
 BNA_G
 ClientSampleId :
 DA9Q6

Tot Ion	Ratio	Lower	Upper
266	100		
264	67.3	47.1	70.7
268	68.3	56.2	84.4

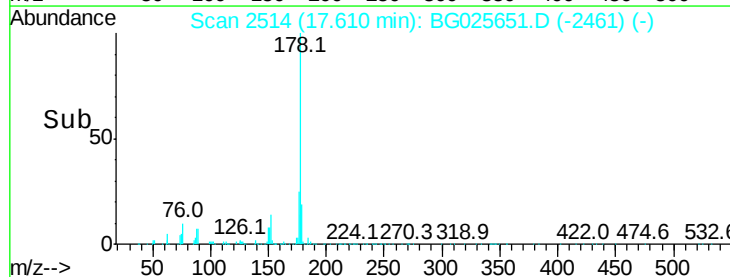
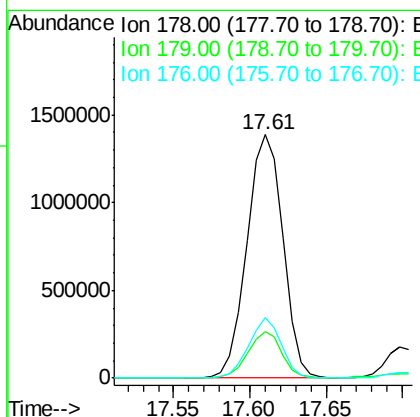
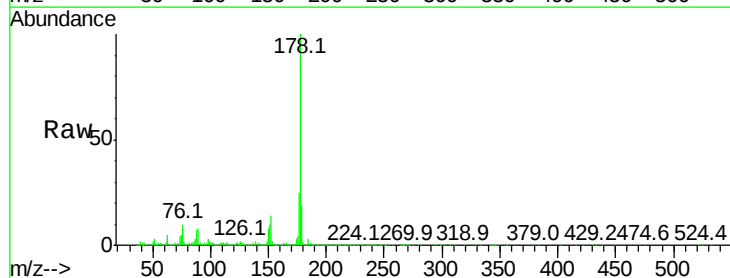
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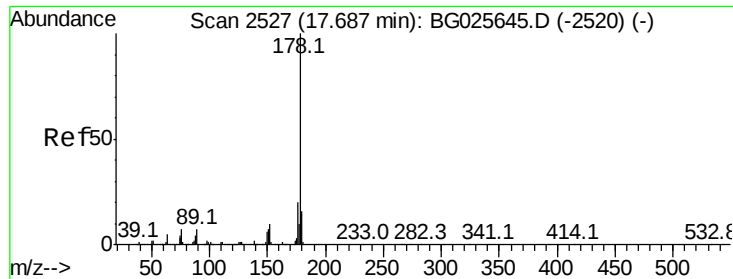
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#69
 Phenanthrene
 Concen: 70.67 ng/ul m
 RT: 17.61 min Scan# 2514
 Delta R.T. 0.01 min
 Lab File: BG025651.D
 Acq: 26 Jan 2017 2:53

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.3	12.4	18.6#
176	24.7	16.5	24.7#





#71

Anthracene

Concen: 8.33 ng/ul

RT: 17.70 min Scan# 2529

Delta R.T. 0.01 min

Lab File: BG025651.D

Acq: 26 Jan 2017 2:53

Instrument :

BNA_G

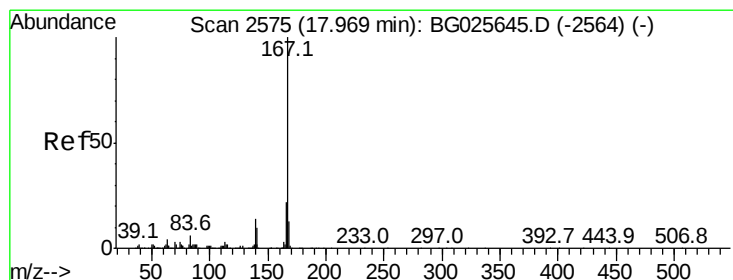
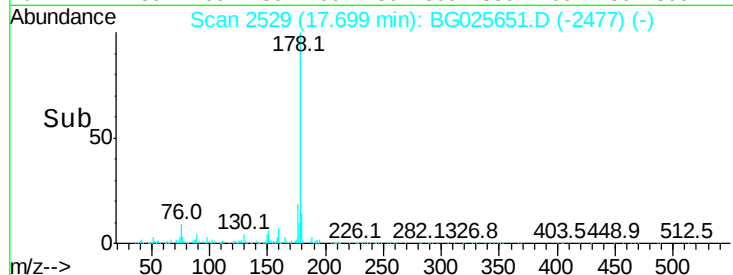
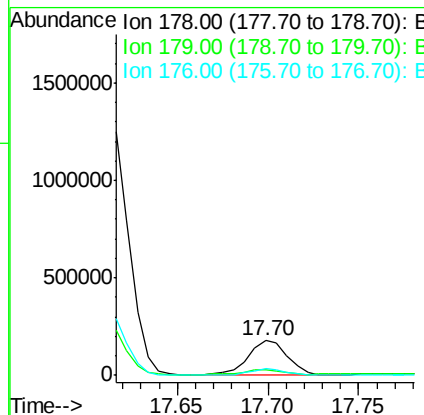
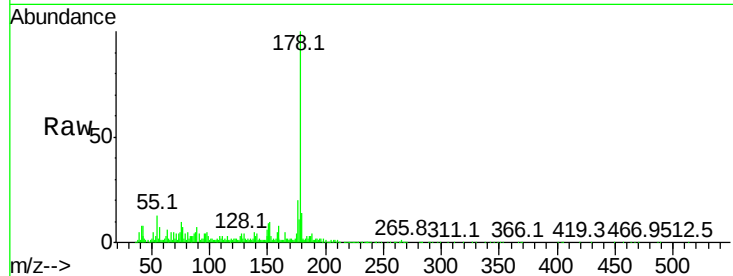
ClientSampleId :

DA9Q6

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.4	12.6	19.0
176	19.7	15.9	23.9

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#72

Carbazole

Concen: 116.48 ng/ul

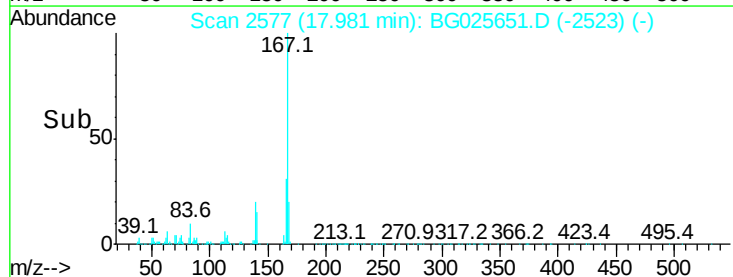
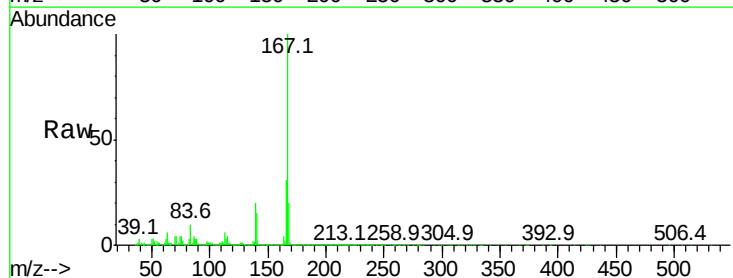
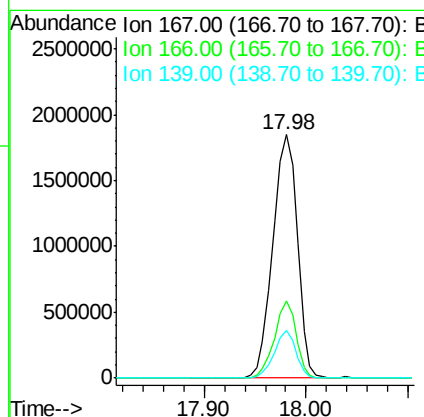
RT: 17.98 min Scan# 2577

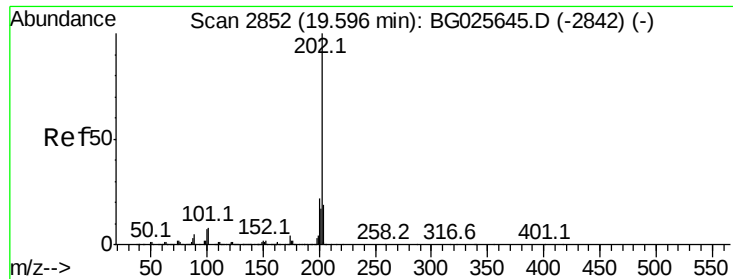
Delta R.T. 0.02 min

Lab File: BG025651.D

Acq: 26 Jan 2017 2:53

Tgt Ion	Ratio	Lower	Upper
167	100		
166	31.5	17.9	26.9#
139	19.9	10.5	15.7#





#74

Fluoranthene

Concen: 6.72 ng/ul

RT: 19.60 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BG025651.D

Acq: 26 Jan 2017 2:53

Instrument :

BNA_G

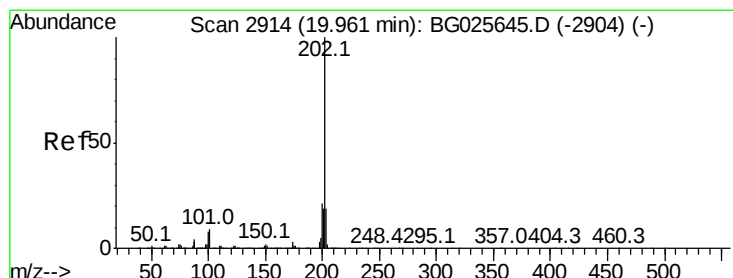
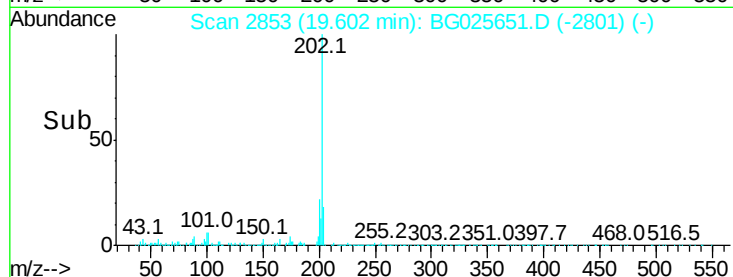
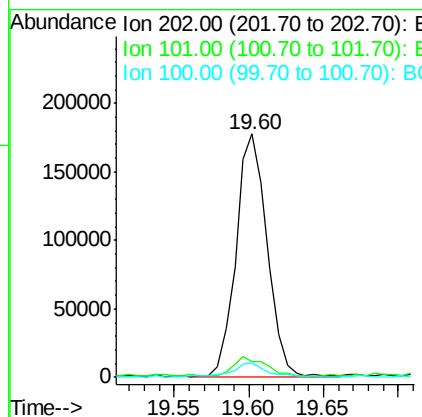
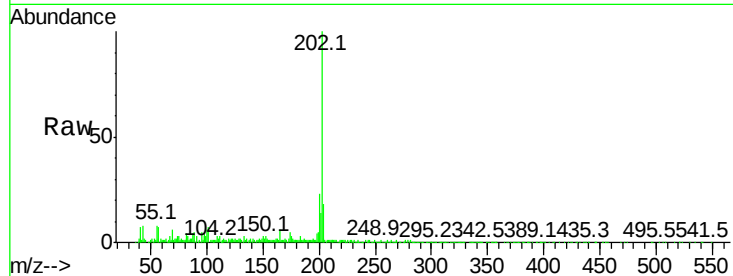
ClientSampleId :

DA9Q6

Tot Ion:	202	Resp:	255360
Ion Ratio	Lower	Upper	
202	100		
101	6.6	6.2	9.2
100	6.2	5.2	7.8

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#77

Pyrene

Concen: 3.35 ng/ul

RT: 19.97 min Scan# 2915

Delta R.T. 0.01 min

Lab File: BG025651.D

Acq: 26 Jan 2017 2:53

Tgt Ion:	202	Resp:	121913
Ion Ratio	Lower	Upper	
202	100		
101	11.7	6.9	10.3#
100	7.6	6.6	10.0

