

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012517\
 Data File : BG025652.D
 Acq On : 26 Jan 2017 3:33
 Operator : SJ/MA
 Sample : I1387-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA9Q7

Manual Integrations
 APPROVED

mohammad
 1/26/2017 5:11:50 PM

Quant Time: Jan 26 10:15:32 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	96981	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	497962	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.81	164	328165	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.58	188	645158	20.00	ng/ul	0.03
75) Chrysene-d12	21.85	240	733037	20.00	ng/ul	0.00
83) Perylene-d12	25.24	264	734955	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.52	96	2403m	1.24	ng/uL	0.00
5) Phenol-d5	7.37	99	68105	8.19	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.49	67	209526	39.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.72	132	181667	30.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.91	113	141343	20.00	ng/ul	0.01
19) Nitrobenzene-d5	9.36	128	131578	37.28	ng/ul	0.00
22) 2-Nitrophenol-d4	10.09	143	175917	41.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.65	165	260361	31.34	ng/ul	0.02
29) 4-Chloroaniline-d4	11.18	131	8972	0.97	ng/ul	0.03
43) Dimethylphthalate-d6	14.29	166	845024	36.46	ng/ul	0.08
46) Acenaphthylene-d8	14.51	160	1002025	40.03	ng/ul	0.00
51) 4-Nitrophenol-d4	15.11	143	51890m	16.34	ng/ul	0.07
57) Fluorene-d10	15.80	176	793318	36.32	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.68	188	1121427	40.82	ng/ul	0.03
76) Pyrene-d10	19.94	212	1273631	41.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.01	264	1250263	40.47	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	7.40	94	21440	2.46	ng/ul#	86
11) 2-Methylphenol	8.64	108	17261	2.65	ng/ul	81
14) Acetophenone	9.02	105	43049	3.90	ng/ul	98
16) 4-Methylphenol	8.98	108	42361	5.94	ng/ul	92
21) Isophorone	9.93	82	739119	34.82	ng/ul	98
24) 2,4-Dimethylphenol	10.21	107	21098	2.03	ng/ul	88
28) Naphthalene	11.09	128	9296612	404.37	ng/ul#	16
34) 2-Methylnaphthalene	12.66	142	3122916	166.39	ng/ul	90
39) 2,4,5-Trichlorophenol	13.35	196	2879108	458.93	ng/ul	96
40) 1,1'-Biphenyl	13.64	154	646928	31.81	ng/ul	97
47) Acenaphthylene	14.54	152	78776	3.23	ng/ul#	75
49) Acenaphthene	14.87	153	887428	51.11	ng/ul	97
53) Dibenzofuran	15.21	168	1518407	56.91	ng/ul	95
55) 2,3,4,6-Tetrachlorophenol	15.45	232	1382919m	208.33	ng/ul	
58) Fluorene	15.86	166	887784	40.74	ng/ul	100
68) Pentachlorophenol	17.29	266	13091415	3698.80	ng/ul#	64
69) Phenanthrene	17.62	178	2109430	67.26	ng/ul	94
71) Anthracene	17.71	178	221500	7.03	ng/ul	97
72) Carbazole	17.98	167	2930094	112.06	ng/ul#	86
74) Fluoranthene	19.60	202	245812	6.64	ng/ul	98
77) Pyrene	19.97	202	109801	3.05	ng/ul	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed						

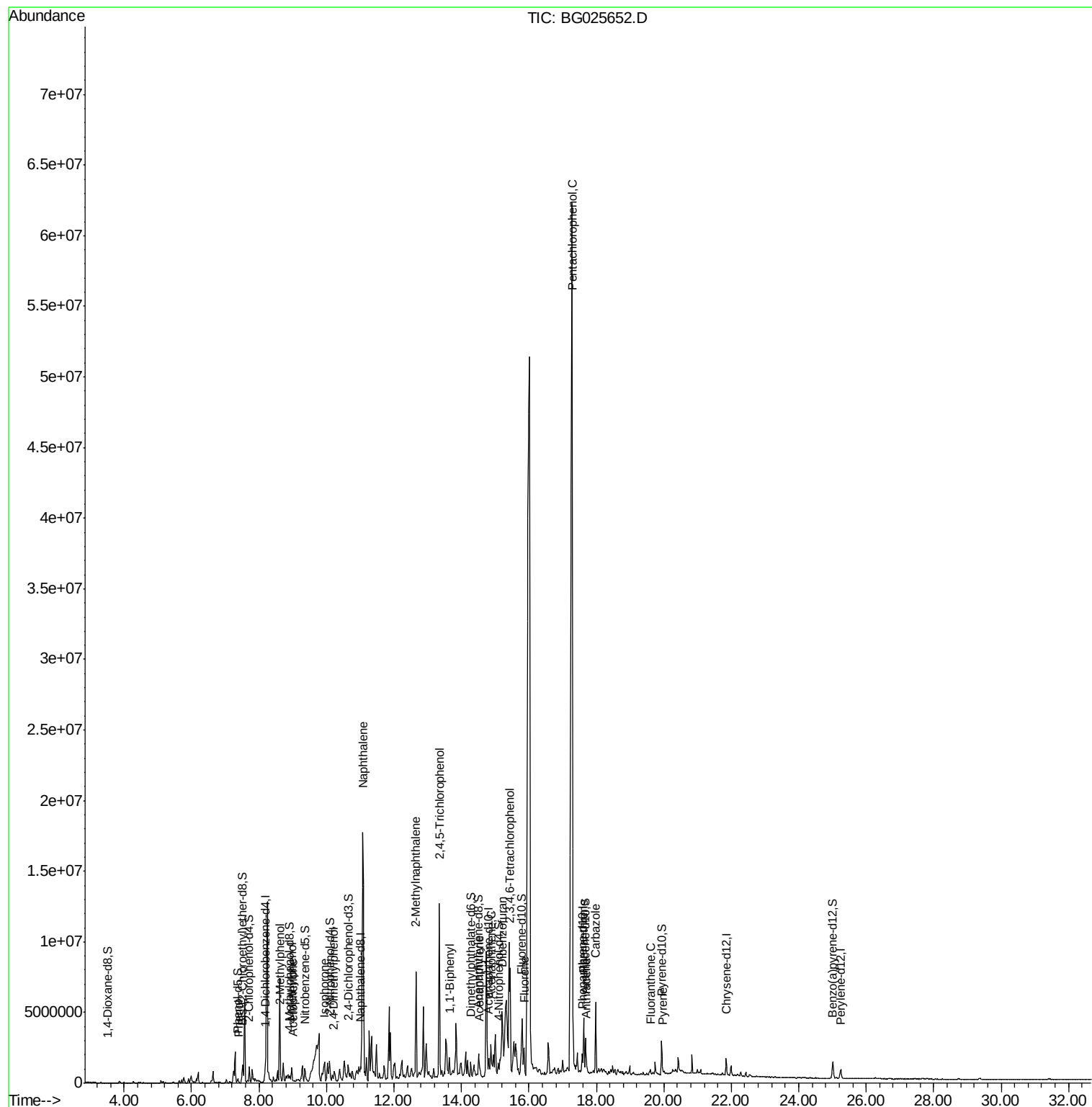
Data Path : Z:\HPCHEM1\BNA G\DATA\BG012517\
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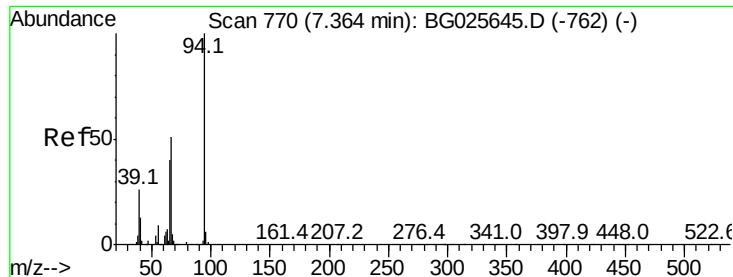
Instrument :
BNA_G
ClientSampleId :
DA9Q7

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#6

Phenol

Concen: 2.46 ng/ul

RT: 7.40 min Scan# 776

Delta R.T. 0.03 min

Lab File: BG025652.D

Acq: 26 Jan 2017 3:33

Instrument :

BNA_G

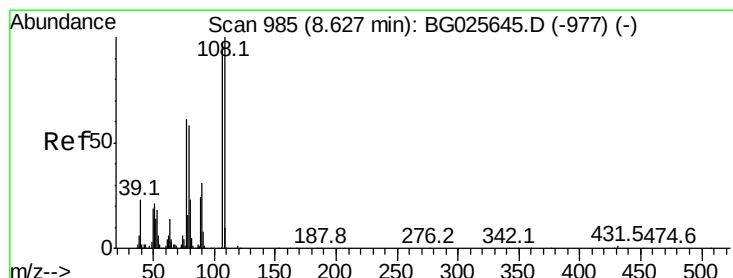
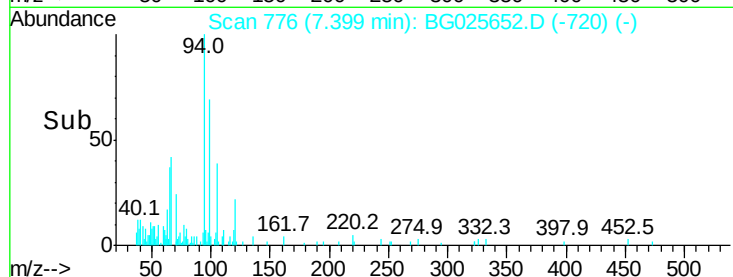
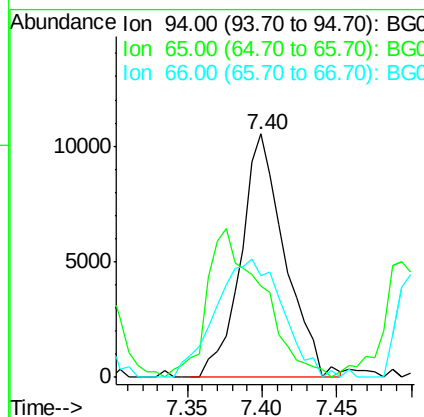
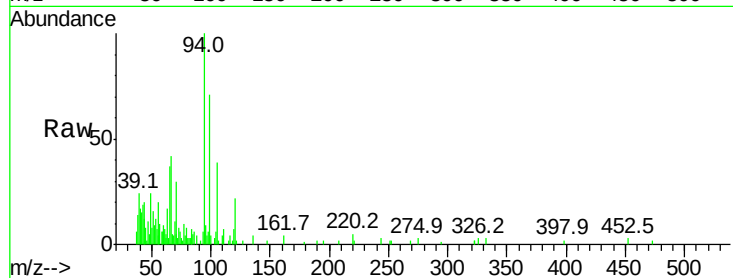
ClientSampleId :

DA9Q7

Tot Ion:	94	Resp:	21440
Ion Ratio	Lower	Upper	
94	100		
65	37.3	26.8	40.2
66	41.7	44.4	66.6#

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#11

2-Methylphenol

Concen: 2.65 ng/ul

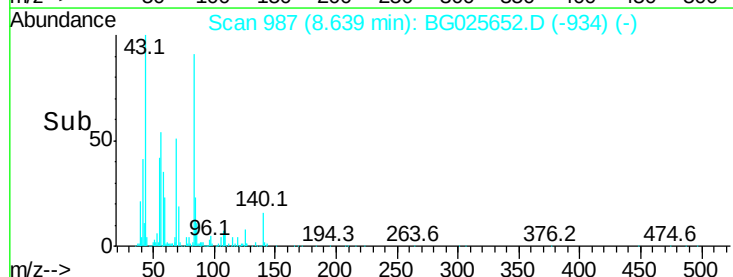
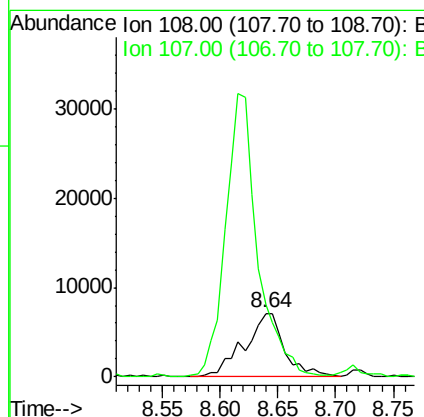
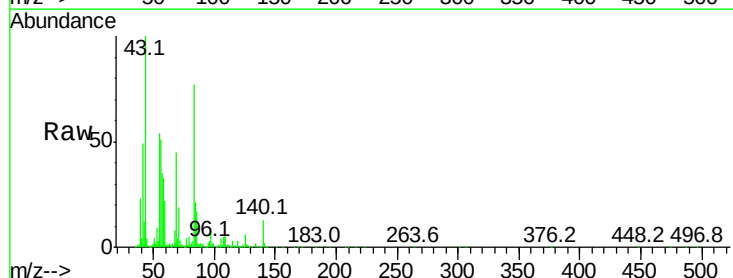
RT: 8.64 min Scan# 987

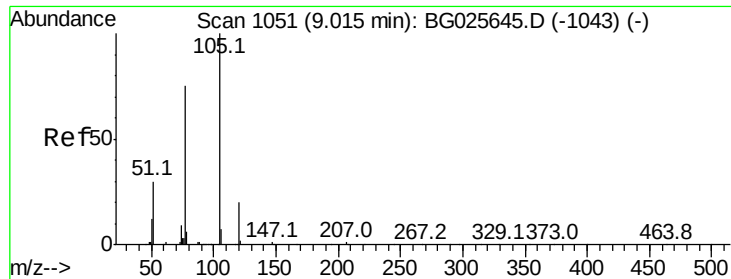
Delta R.T. 0.01 min

Lab File: BG025652.D

Acq: 26 Jan 2017 3:33

Tgt Ion:	108	Resp:	17261
Ion Ratio	Lower	Upper	
108	100		
107	114.1	76.7	115.1





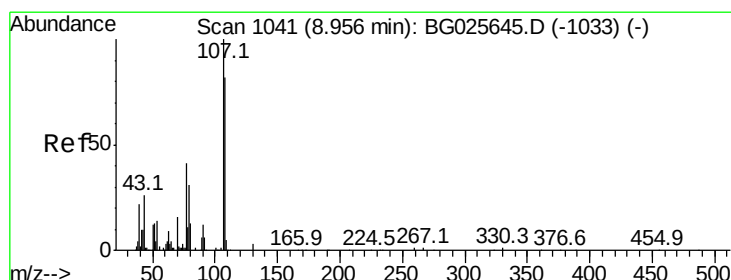
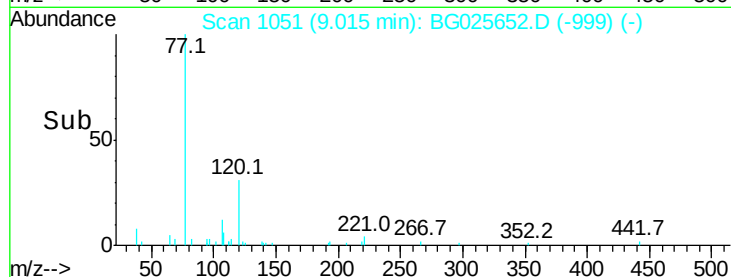
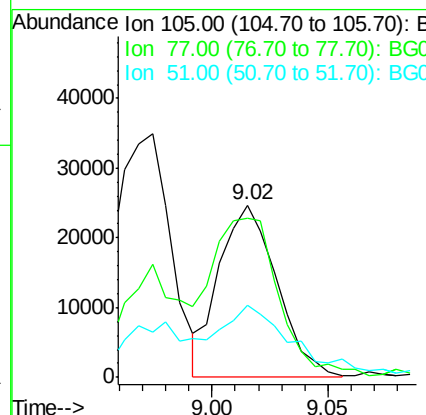
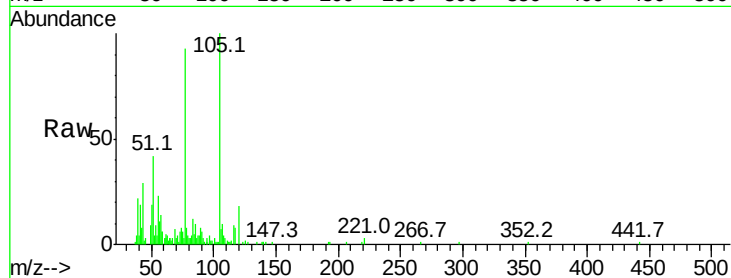
#14
Acetophenone
Concen: 3.90 ng/ul
RT: 9.02 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BG025652.D
Acq: 26 Jan 2017 3:33

Instrument :
BNA_G
ClientSampleId :
DA9Q7

Tot Ion	Ratio	Lower	Upper
105	100		
77	92.7	76.0	114.0
51	41.8	34.8	52.2

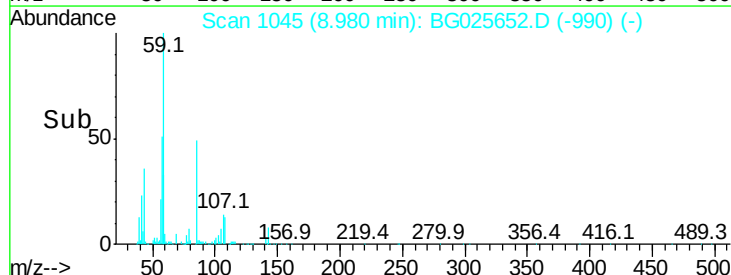
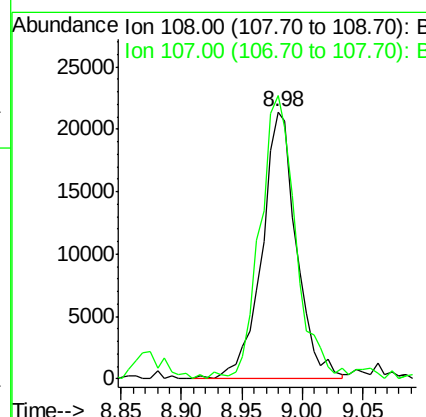
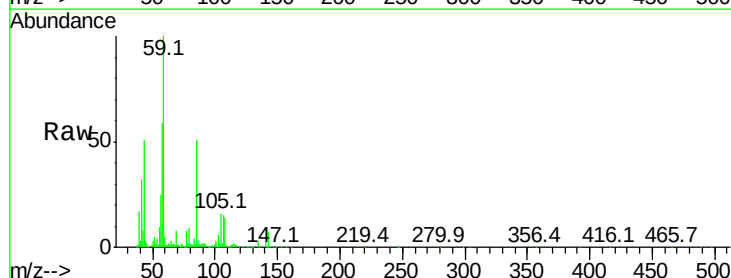
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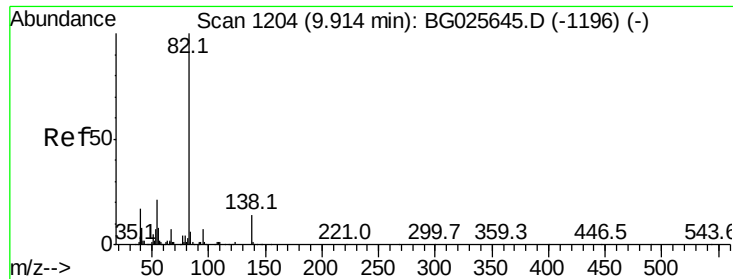
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#16
4-Methylphenol
Concen: 5.94 ng/ul
RT: 8.98 min Scan# 1045
Delta R.T. 0.03 min
Lab File: BG025652.D
Acq: 26 Jan 2017 3:33

Tgt Ion	Ratio	Lower	Upper
108	100		
107	105.9	91.7	137.5





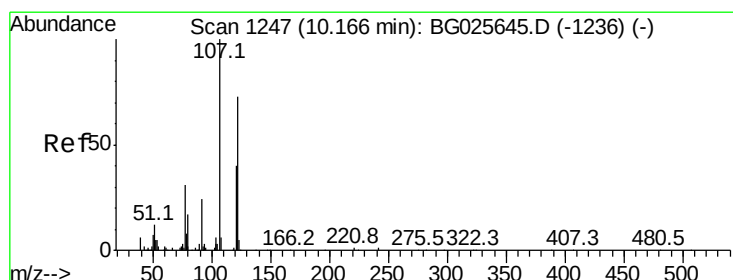
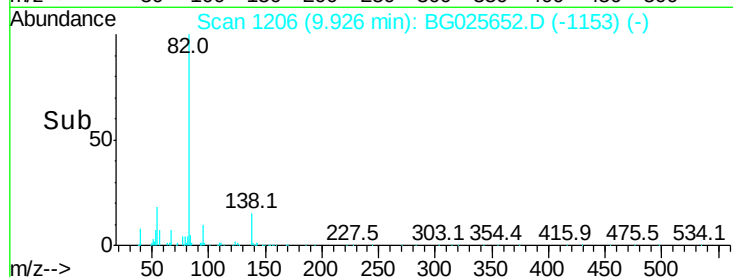
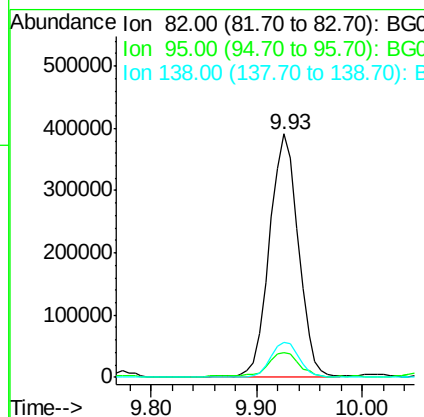
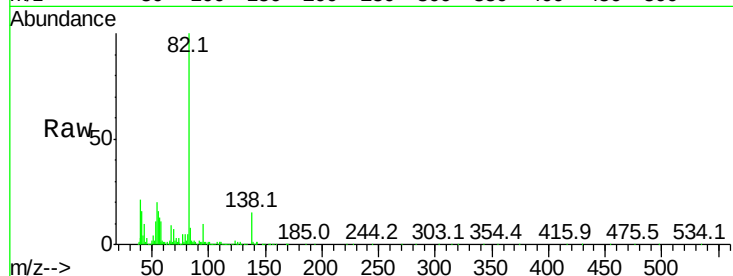
#21
Isophorone
Concen: 34.82 ng/ul
RT: 9.93 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BG025652.D
Acq: 26 Jan 2017 3:33

Instrument :
BNA_G
ClientSampled :
DA9Q7

Tot Ion	Ratio	Resp Lower	Upper
82	100		
95	10.2	7.8	11.6
138	14.5	12.2	18.2

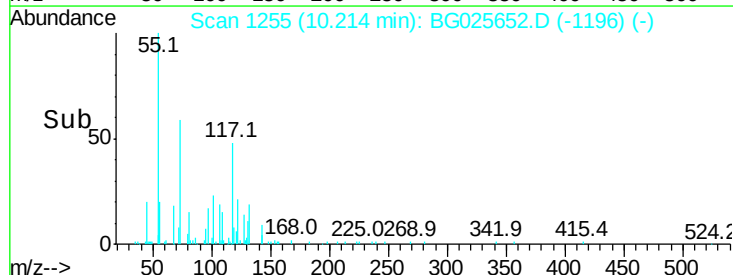
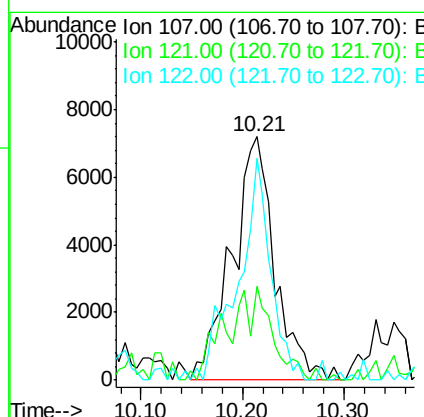
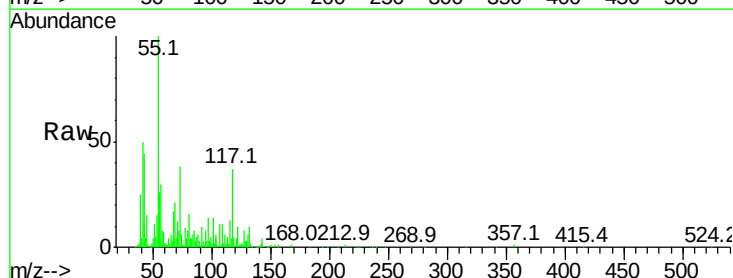
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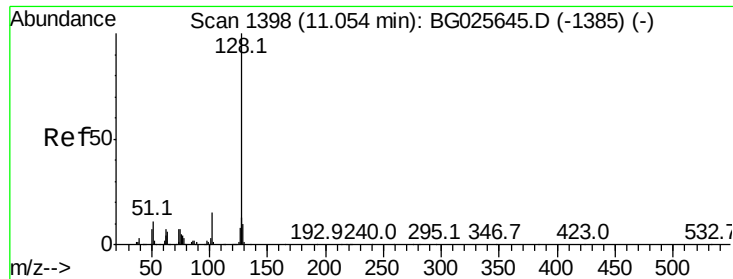
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#24
2,4-Dimethylphenol
Concen: 2.03 ng/ul
RT: 10.21 min Scan# 1255
Delta R.T. 0.05 min
Lab File: BG025652.D
Acq: 26 Jan 2017 3:33

Tgt Ion	Ratio	Resp Lower	Upper
107	100		
121	38.6	32.3	48.5
122	91.0	61.2	91.8





#28

Naphthalene

Concen: 404.37 ng/ul

RT: 11.09 min Scan# 1404

Delta R.T. 0.04 min

Lab File: BG025652.D

Acq: 26 Jan 2017 3:33

Instrument :

BNA_G

ClientSampleId :

DA9Q7

Tot Ion:128 Resp: 9296612

Ion Ratio Lower Upper

128 100

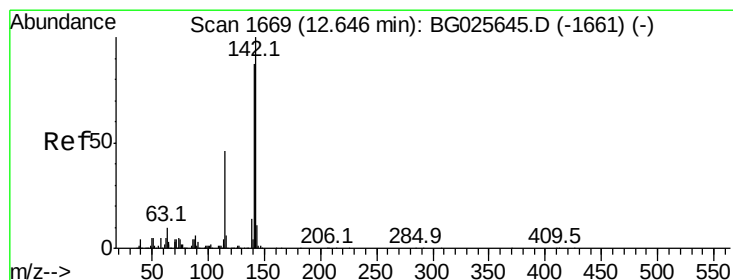
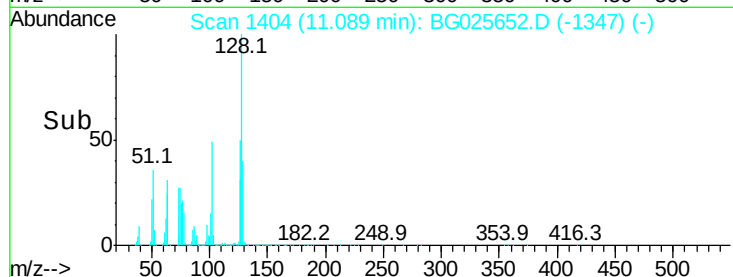
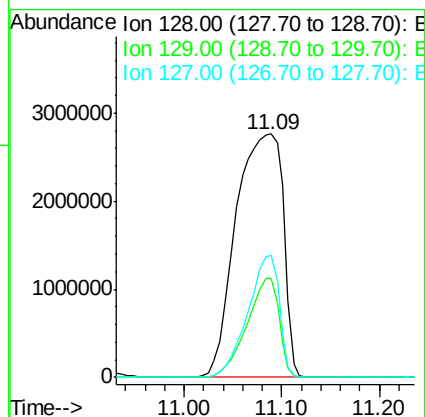
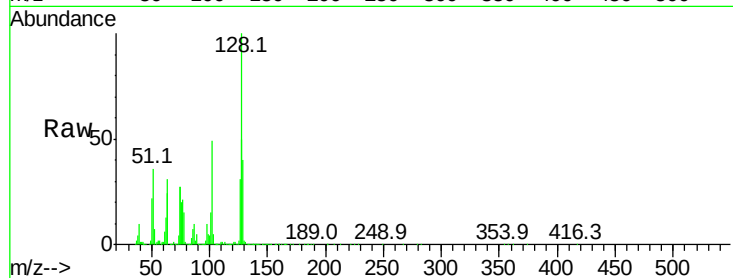
129 40.4 9.4 14.2#

127 50.2 10.3 15.5#

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#34

2-Methylnaphthalene

Concen: 166.39 ng/ul

RT: 12.66 min Scan# 1671

Delta R.T. 0.01 min

Lab File: BG025652.D

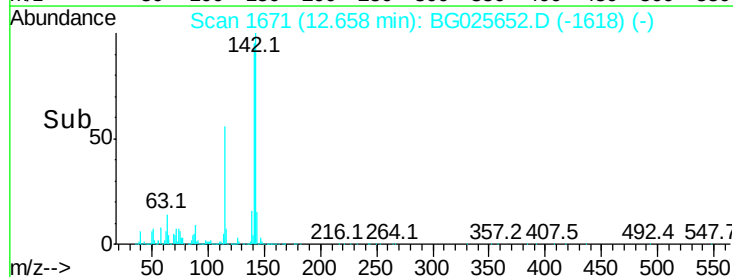
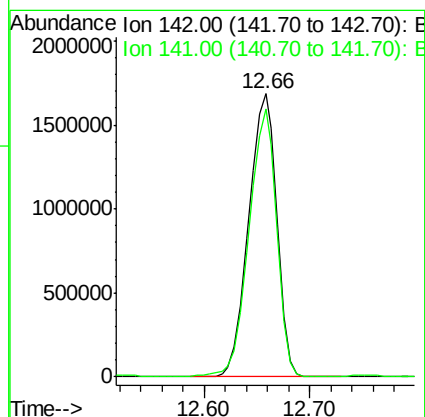
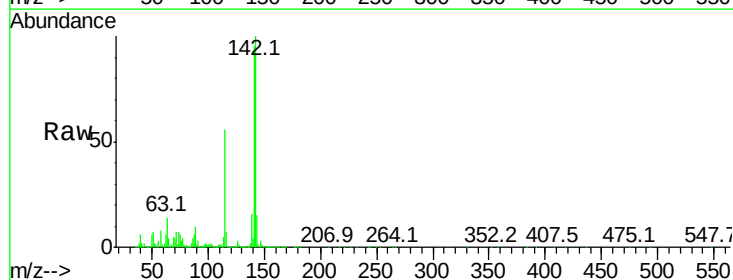
Acq: 26 Jan 2017 3:33

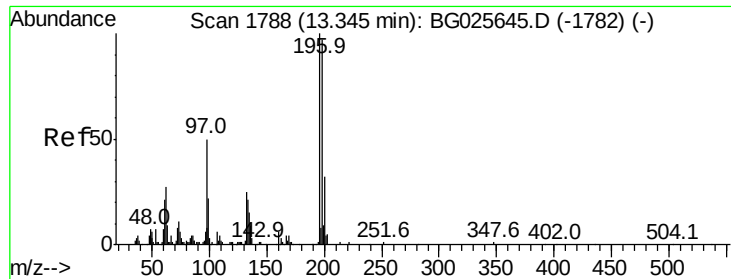
Tgt Ion:142 Resp: 3122916

Ion Ratio Lower Upper

142 100

141 94.7 68.6 102.8





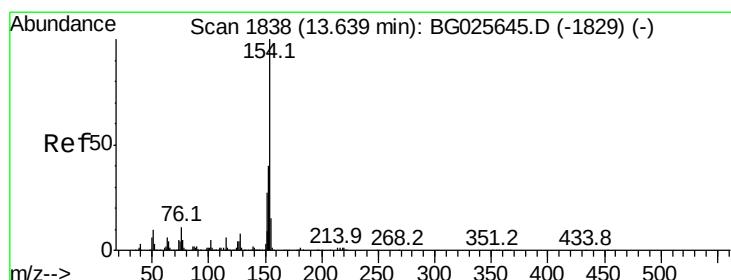
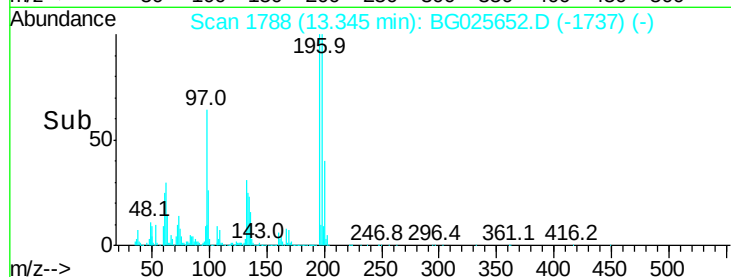
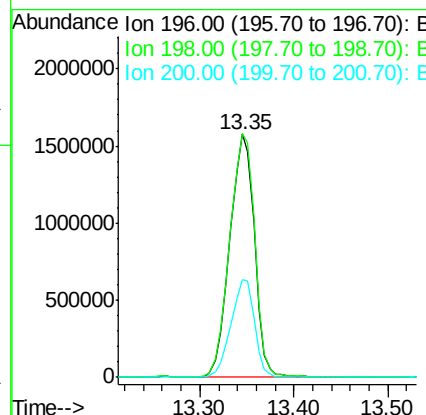
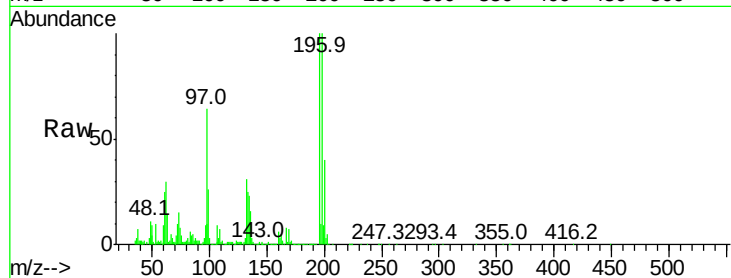
#39
 2,4,5-Trichlorophenol
 Concen: 458.93 ng/ul
 RT: 13.35 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: BG025652.D
 Acq: 26 Jan 2017 3:33

Instrument :
 BNA_G
 ClientSampleId :
 DA9Q7

Tot Ion	Ratio	Lower	Upper
196	100		
198	99.9	78.6	118.0
200	40.2	27.3	40.9

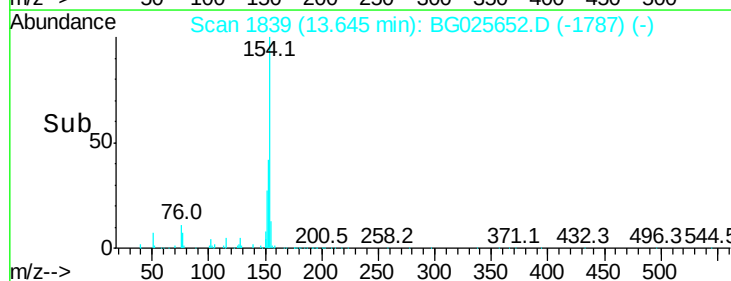
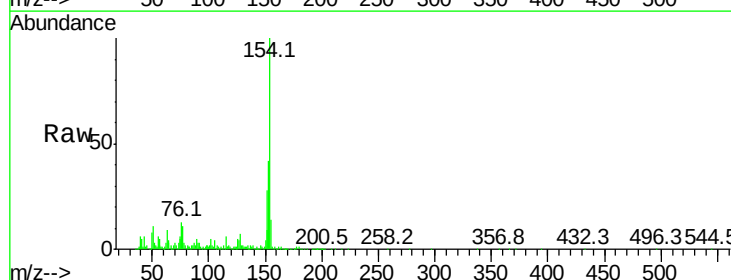
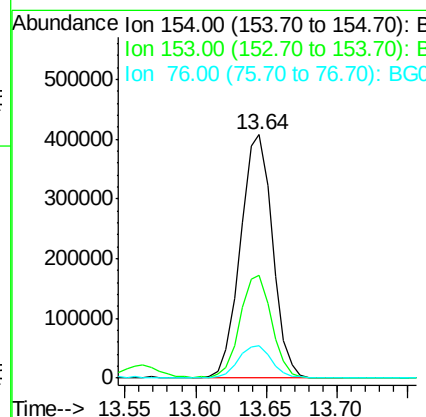
Manual Integrations
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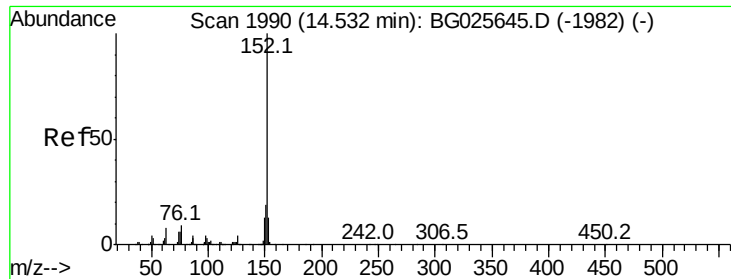
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#40
 1,1'-Biphenyl
 Concen: 31.81 ng/ul
 RT: 13.64 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BG025652.D
 Acq: 26 Jan 2017 3:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.1	32.2	48.2
76	13.4	9.6	14.4





#47

Acenaphthylene

Concen: 3.23 ng/ul

RT: 14.54 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BG025652.D

Acq: 26 Jan 2017 3:33

Instrument :

BNA_G

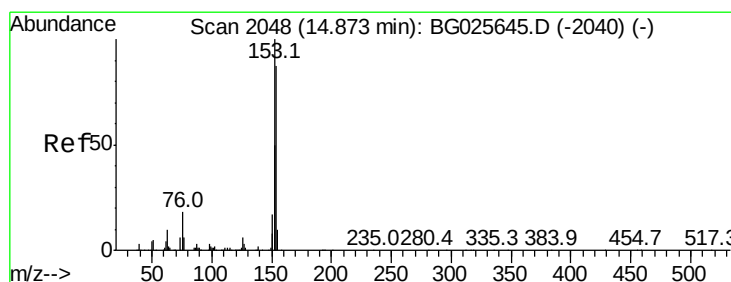
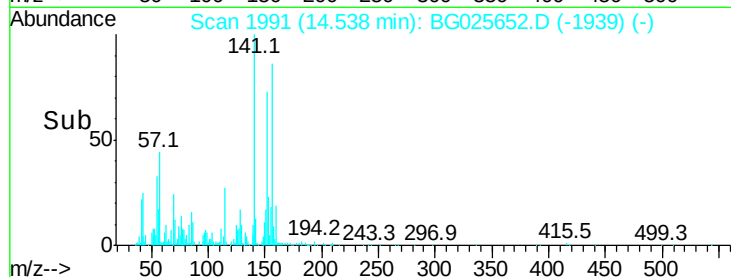
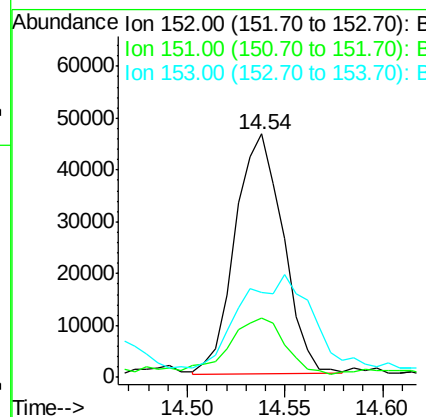
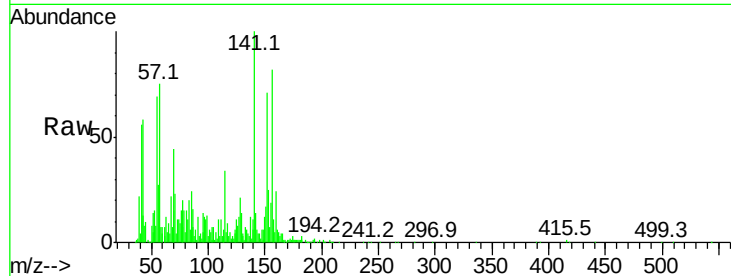
ClientSampleId :

DA9Q7

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		78776		
151	24.2	16.7	25.1		
153	35.1	11.4	17.2		

Manual Integrations
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#49

Acenaphthene

Concen: 51.11 ng/ul

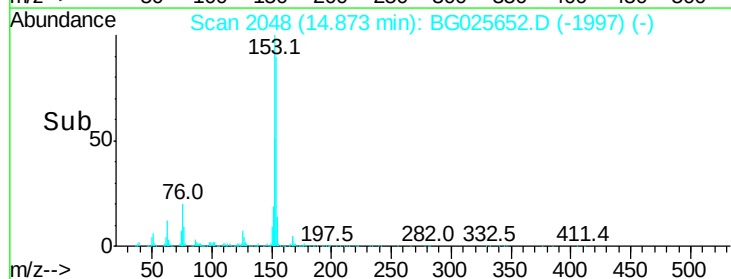
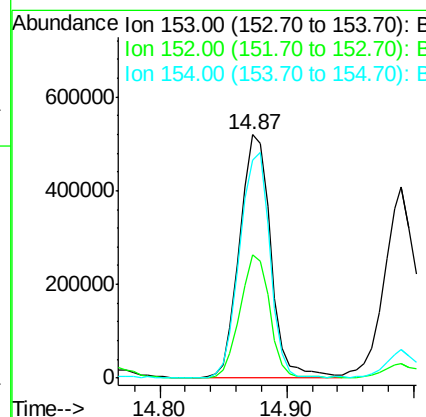
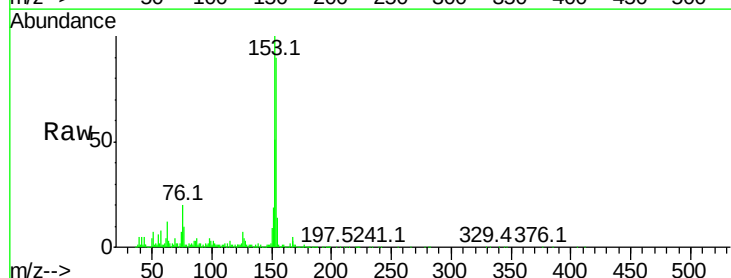
RT: 14.87 min Scan# 2048

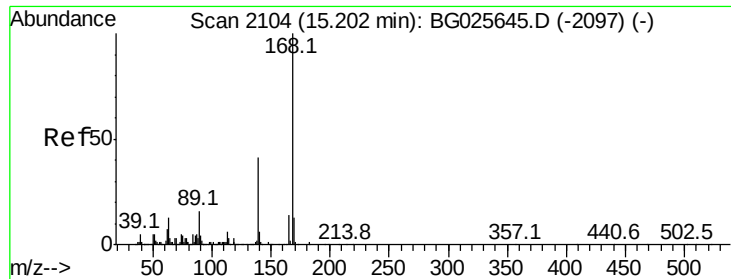
Delta R.T. 0.00 min

Lab File: BG025652.D

Acq: 26 Jan 2017 3:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
153	100		887428		
152	50.7	36.5	54.7		
154	89.5	72.3	108.5		





#53

Dibenzofuran

Concen: 56.91 ng/ul

RT: 15.21 min Scan# 2105

Delta R.T. 0.00 min

Lab File: BG025652.D

Acq: 26 Jan 2017 3:33

Instrument :

BNA_G

ClientSampled :

DA9Q7

Tot Ion:168 Resp: 1518407

Ion Ratio Lower Upper

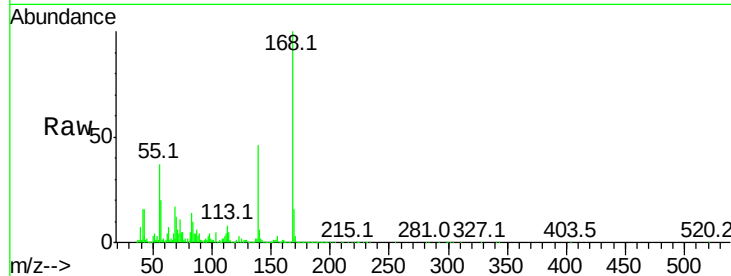
168 100

139 45.7 33.8 50.8

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

1000000

800000

600000

400000

200000

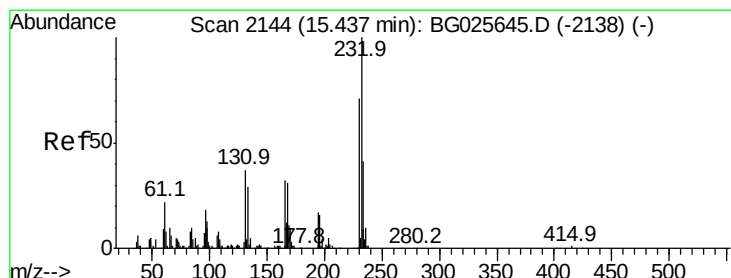
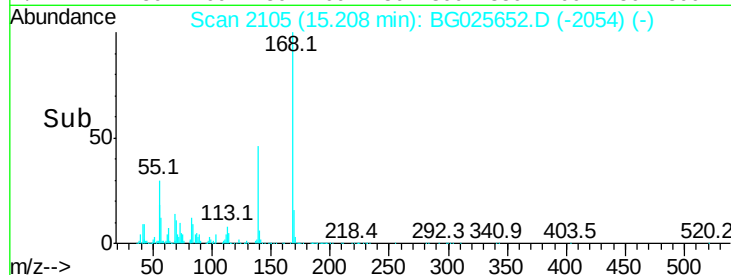
0

15.21

15.20

15.30

Time-->



#55

2,3,4,6-Tetrachlorophenol

Concen: 208.33 ng/ul m

RT: 15.45 min Scan# 2146

Delta R.T. 0.01 min

Lab File: BG025652.D

Acq: 26 Jan 2017 3:33

Tgt Ion:232 Resp: 1382919

Ion Ratio Lower Upper

232 100

131 42.4 33.3 49.9

130 3.0 1.8 2.6#

166 30.4 21.9 32.9

Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

1500000

1000000

500000

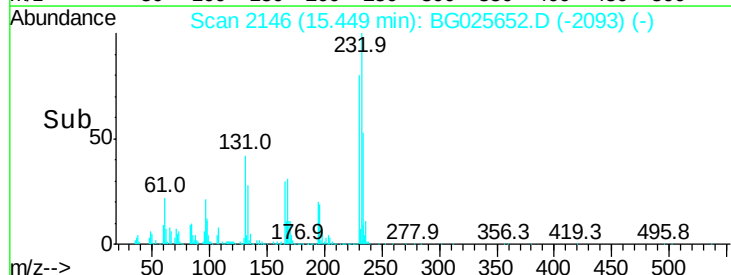
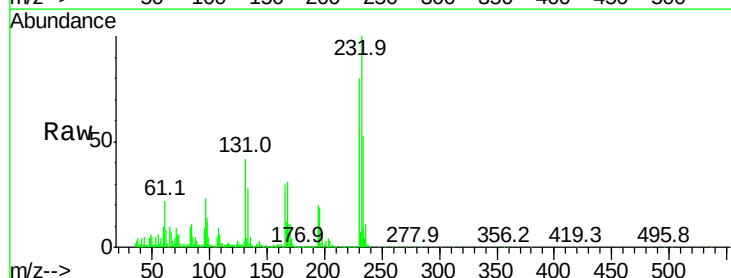
0

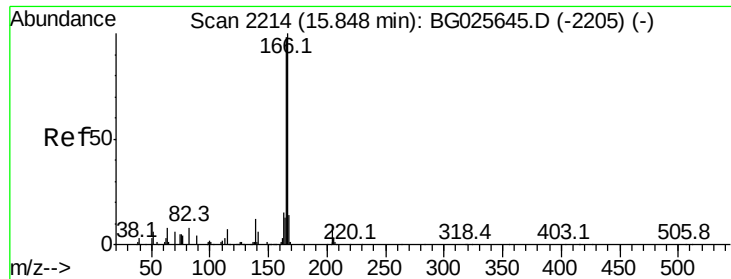
15.45

15.40

15.50

Time-->





#58

Fluorene

Concen: 40.74 ng/ul

RT: 15.86 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BG025652.D

Acq: 26 Jan 2017 3:33

Instrument :

BNA_G

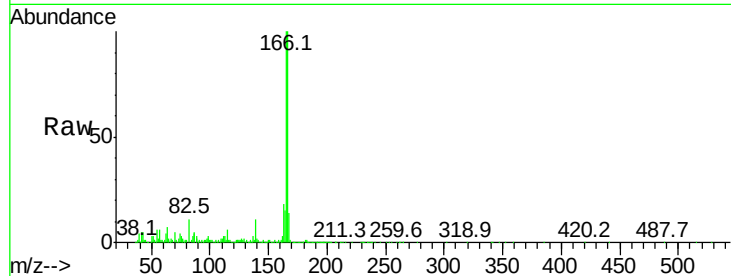
ClientSampleId :

DA9Q7

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.7	119.5
167	14.1	11.4	17.2

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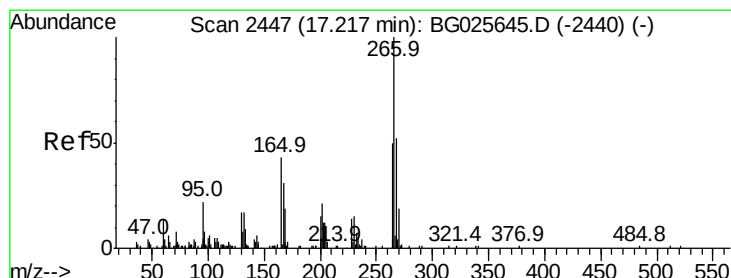
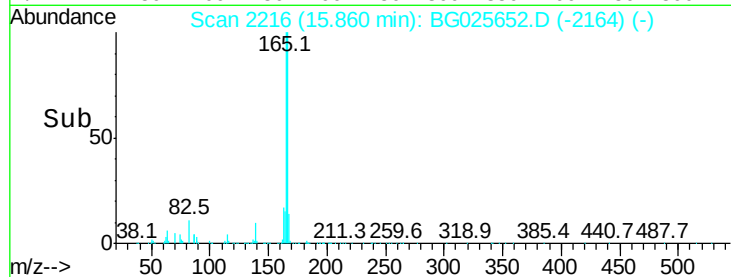
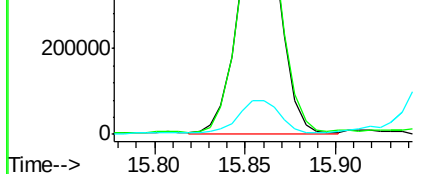
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

600000

400000

200000

0



#68

Pentachlorophenol

Concen: 3698.80 ng/ul

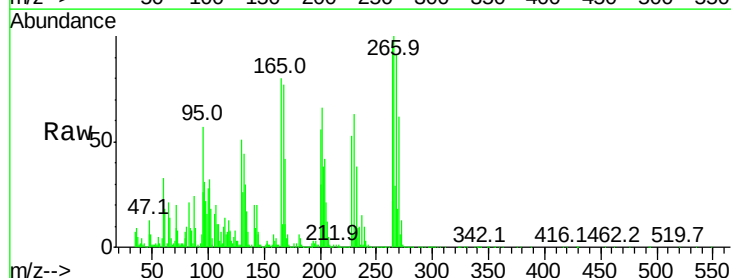
RT: 17.29 min Scan# 2459

Delta R.T. 0.08 min

Lab File: BG025652.D

Acq: 26 Jan 2017 3:33

Tgt Ion	Ratio	Lower	Upper
266	100		
264	95.4	47.1	70.7#
268	91.5	56.2	84.4#



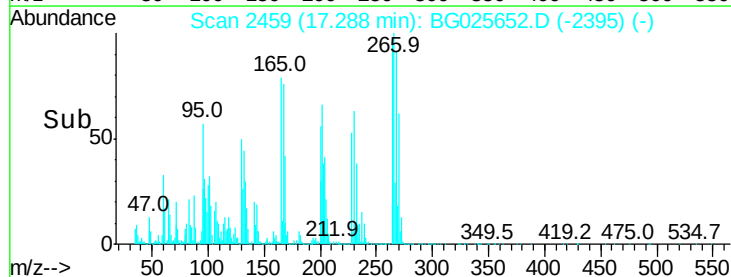
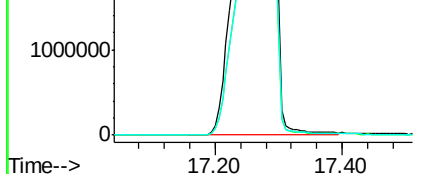
Abundance Ion 265.70 (265.40 to 266.40): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E

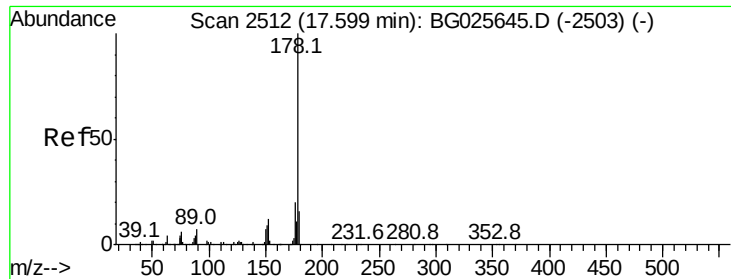
3000000

2000000

1000000

0





#69

Phenanthrene

Concen: 67.26 ng/ul

RT: 17.62 min Scan# 2516

Delta R.T. 0.03 min

Lab File: BG025652.D

Acq: 26 Jan 2017 3:33

Instrument :

BNA_G

ClientSampleId :

DA9Q7

Tot Ion:178 Resp: 2109430

Ion Ratio Lower Upper

178 100

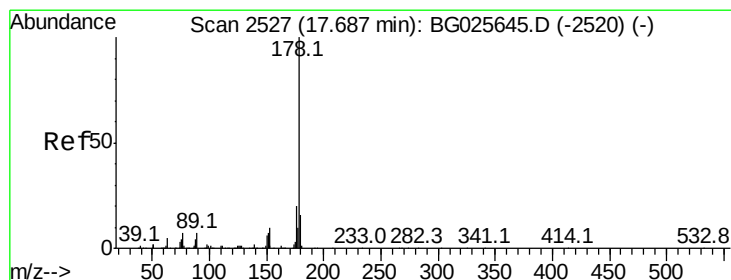
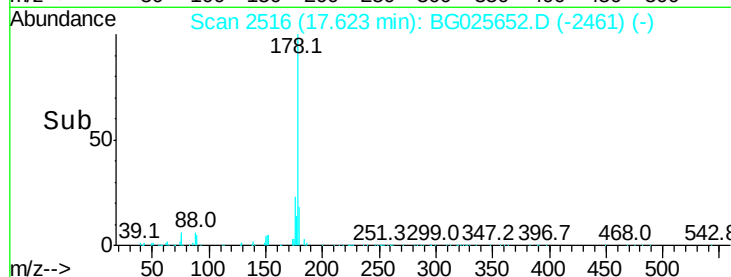
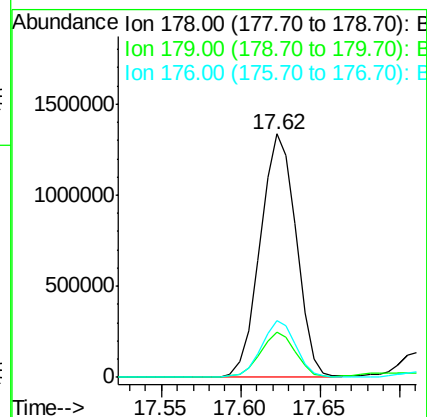
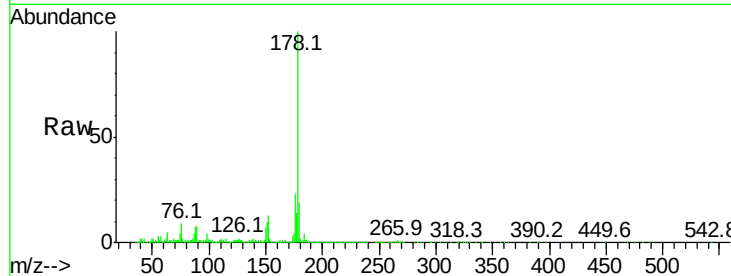
179 18.6 12.4 18.6

176 23.0 16.5 24.7

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#71

Anthracene

Concen: 7.03 ng/ul

RT: 17.71 min Scan# 2531

Delta R.T. 0.02 min

Lab File: BG025652.D

Acq: 26 Jan 2017 3:33

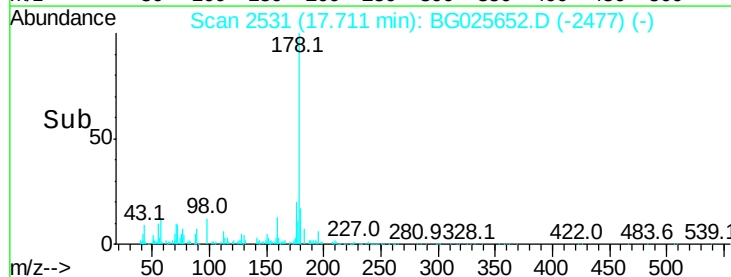
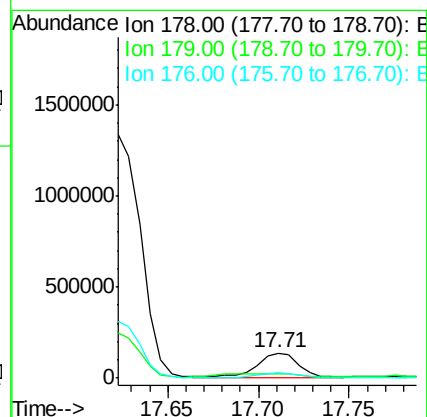
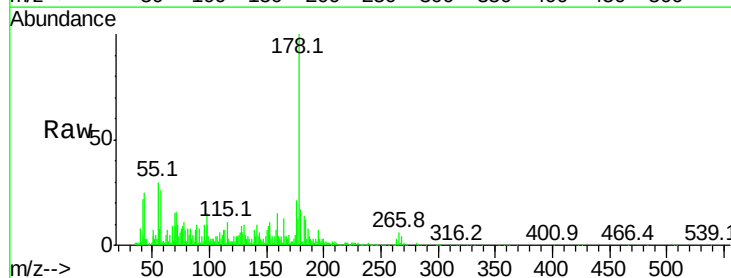
Tgt Ion:178 Resp: 221500

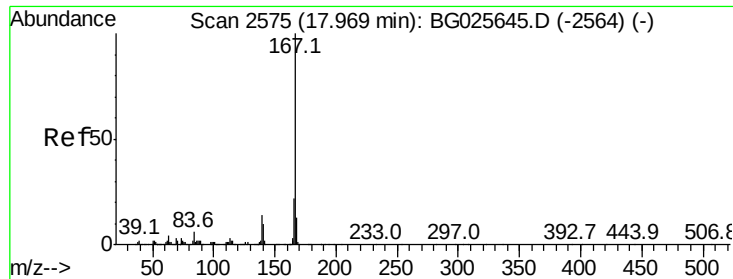
Ion Ratio Lower Upper

178 100

179 17.4 12.6 19.0

176 20.9 15.9 23.9





#72

Carbazole

Concen: 112.06 ng/ul

RT: 17.98 min Scan# 2577

Delta R.T. 0.02 min

Lab File: BG025652.D

Acq: 26 Jan 2017 3:33

Instrument :

BNA_G

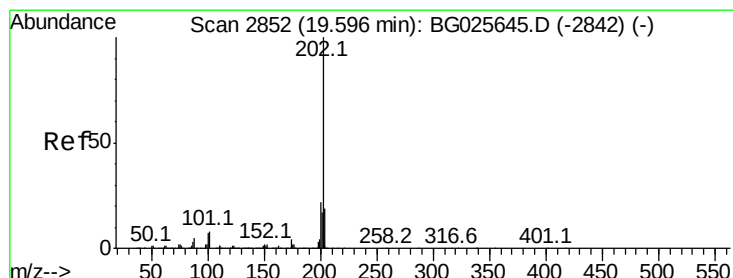
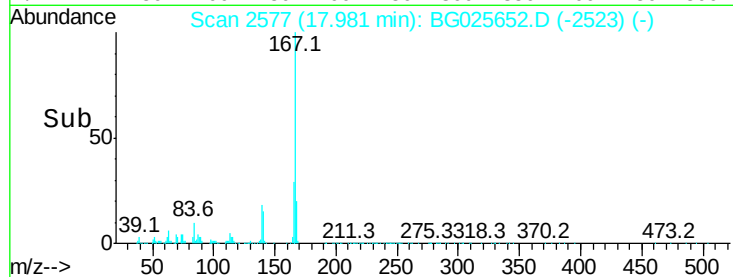
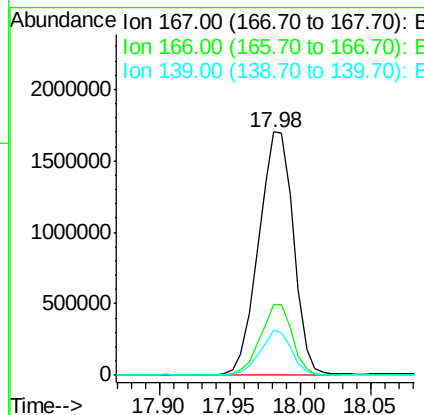
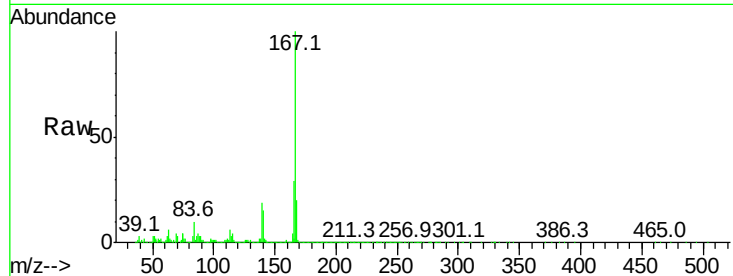
ClientSampleId :

DA9Q7

Tot Ion	Ratio	Lower	Upper
167	100		
166	29.3	17.9	26.9#
139	18.6	10.5	15.7#

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#74

Fluoranthene

Concen: 6.64 ng/ul

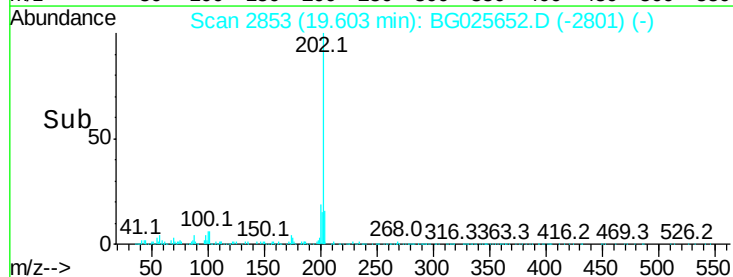
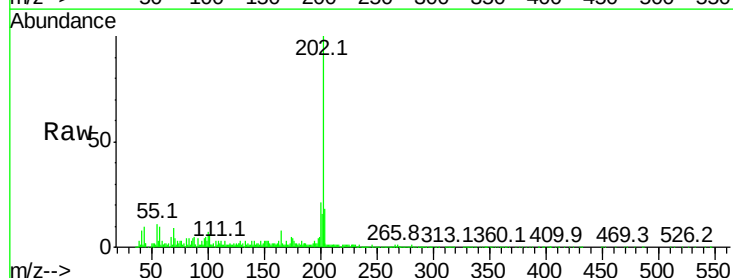
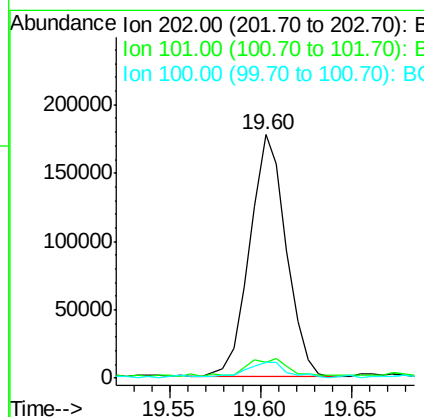
RT: 19.60 min Scan# 2853

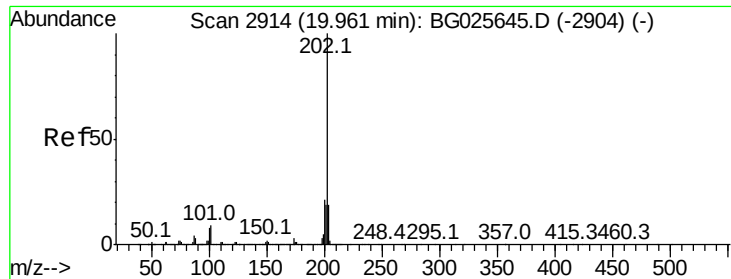
Delta R.T. 0.01 min

Lab File: BG025652.D

Acq: 26 Jan 2017 3:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.5	6.2	9.2
100	6.7	5.2	7.8





#77

Pvrene

Concen: 3.05 ng/ul

RT: 19.97 min Scan# 2915

Delta R.T. 0.01 min

Lab File: BG025652.D

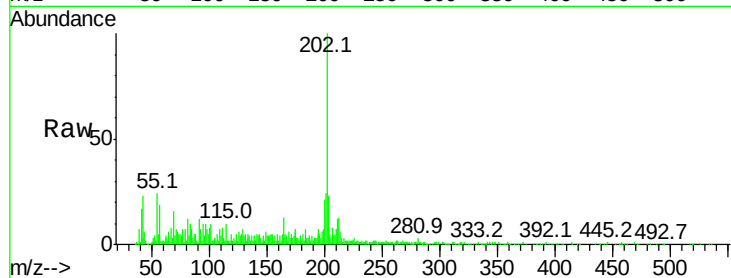
Acq: 26 Jan 2017 3:33

Instrument :

BNA_G

ClientSampleId :

DA9Q7



Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.1	6.9	10.3
100	7.8	6.6	10.0

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