

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
 Data File : BG025277.D
 Acq On : 17 Dec 2016 16:51
 Operator : UM/SJ
 Sample : H6040-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 00:23:29 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 18 00:18:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	70494	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	279629	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	224563	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	470723	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	626237	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	635318	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	16516	12.10	ng/uL	0.00
5) Phenol-d5	7.39	99	163045	26.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	110233	29.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	118905	27.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	140857	27.71	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	66534	33.60	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	74482	30.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	146882	30.94	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	164068	35.16	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	471682	30.54	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	542825	32.08	ng/ul	0.00
51) 4-Nitrophenol-d4	15.09	143	82679	31.14	ng/ul	0.00
57) Fluorene-d10	15.84	176	447509	30.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	98247	33.76	ng/ul	0.00
70) Anthracene-d10	17.70	188	691909	34.83	ng/ul	0.00
76) Pyrene-d10	19.97	212	844601	32.74	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	873101	33.92	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	7.35	77	21761	4.75 ng/ul#	1
6) Phenol	7.42	94	26170	4.19 ng/ul#	72
11) 2-Methylphenol	8.68	108	19171	4.17 ng/ul	99
14) Acetophenone	9.02	105	89010	11.51 ng/ul#	34
16) 4-Methylphenol	9.00	108	18012	3.52 ng/ul#	68
17) Hexachloroethane	9.34	117	23351	12.33 ng/ul#	1
24) 2,4-Dimethylphenol	10.22	107	191668	33.47 ng/ul	95
25) Bis(2-Chloroethoxy)methane	10.47	93	10470	1.78 ng/ul#	47
27) 2,4-Dichlorophenol	10.68	162	28753	6.24 ng/ul#	29
28) Naphthalene	11.11	128	314738	24.21 ng/ul	98
34) 2-Methylnaphthalene	12.70	142	324721	31.66 ng/ul	99
40) 1,1'-Biphenyl	13.69	154	66810	4.91 ng/ul	98
44) Dimethylphthalate	14.30	163	114560	7.55 ng/ul#	97
49) Acenaphthene	14.92	153	23667	2.10 ng/ul#	80
53) Dibenzofuran	15.25	168	67165	3.77 ng/ul	97
54) 2,4-Dinitrotoluene	15.23	165	5084	1.03 ng/ul#	1
58) Fluorene	15.90	166	95979	6.61 ng/ul	96
64) N-Nitrosodiphenylamine	16.10	169	16932	1.40 ng/ul#	66
69) Phenanthrene	17.64	178	92674	4.12 ng/ul	99
71) Anthracene	17.74	178	29275	1.27 ng/ul#	67
74) Fluoranthene	19.64	202	27828	1.04 ng/ul#	97
77) Pvrene	20.00	202	45998	1.53 ng/ul#	95

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Response via : Initial Calibration

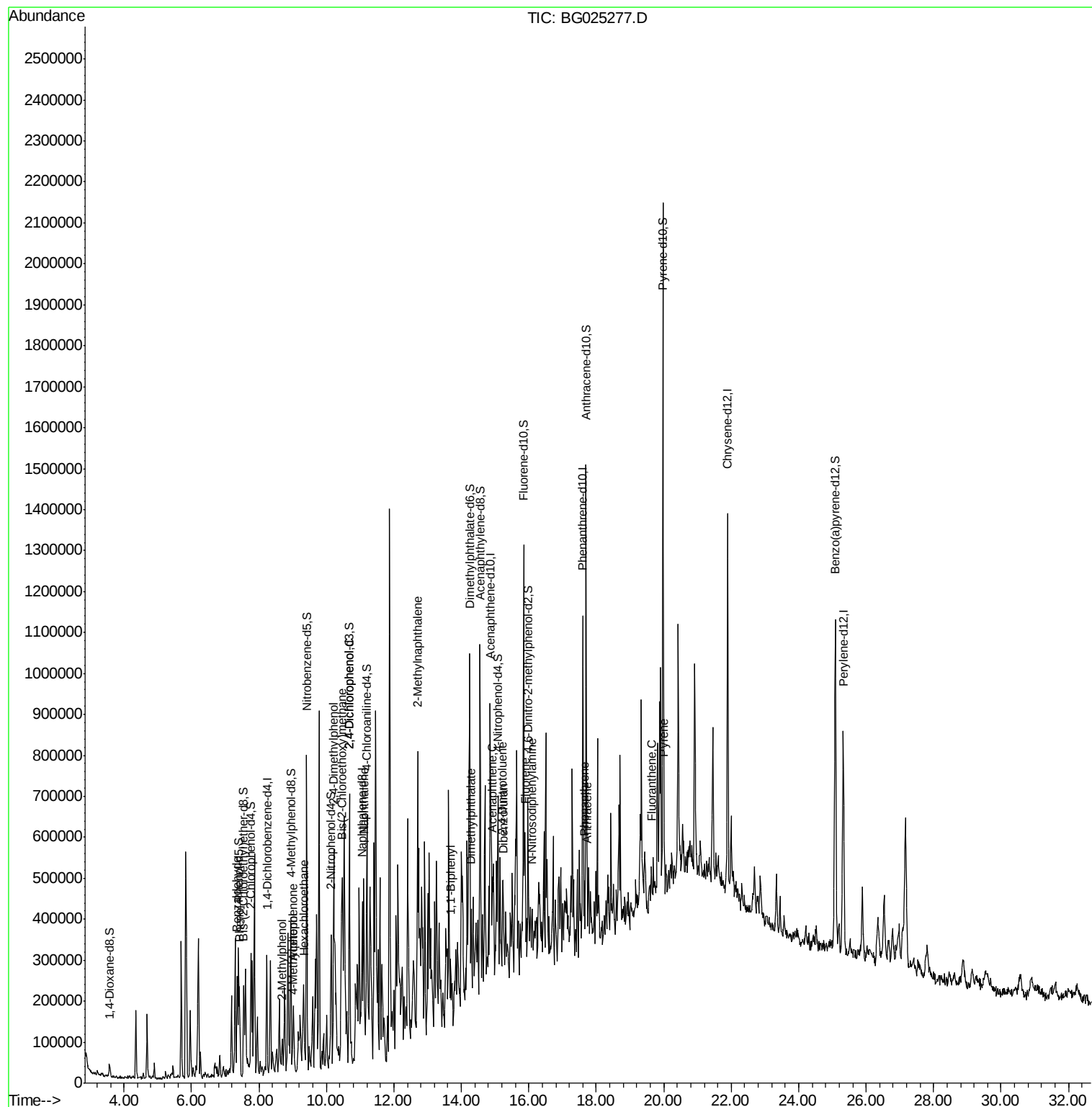
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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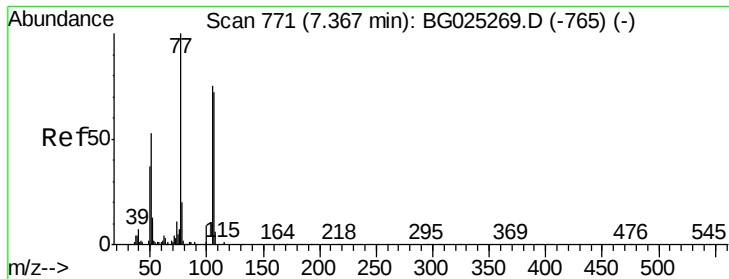
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 4.75 ng/ul

RT: 7.35 min Scan# 768

Delta R.T. -0.01 min

Lab File: BG025277.D

Acq: 17 Dec 2016 16:51

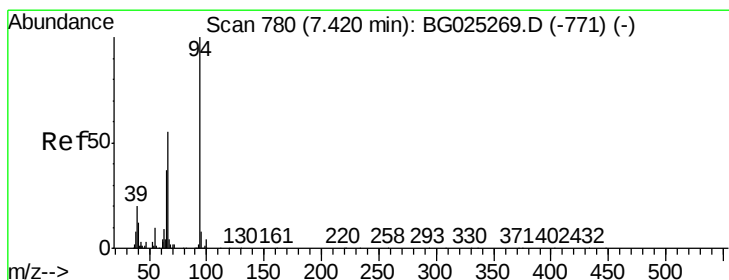
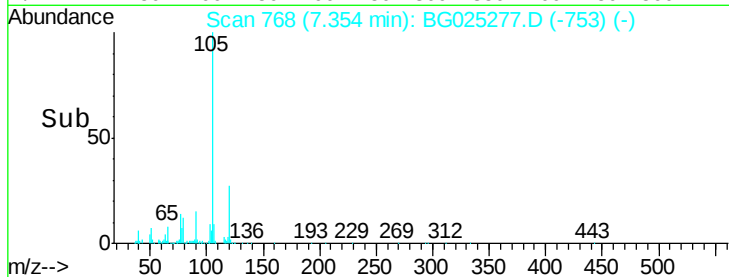
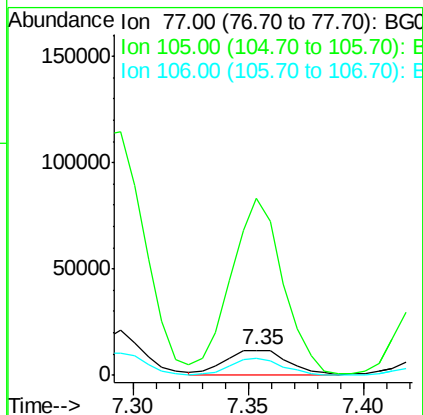
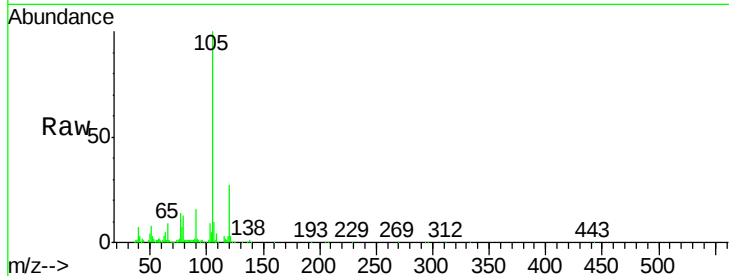
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 21761

Ion	Ratio	Lower	Upper
77	100		
105	713.0	62.0	93.0#
106	69.3	60.2	90.4



#6

Phenol

Concen: 4.19 ng/ul

RT: 7.42 min Scan# 780

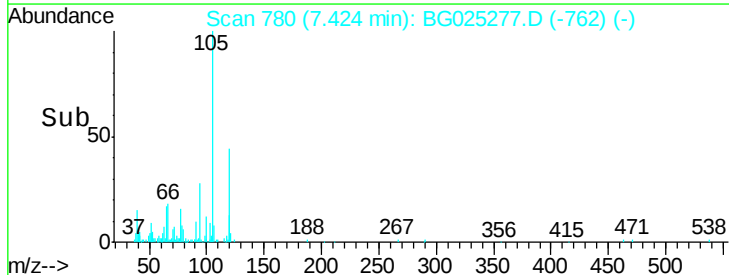
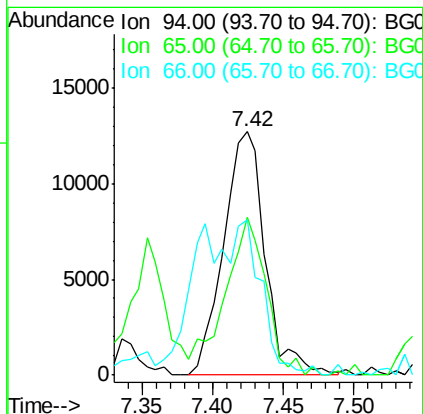
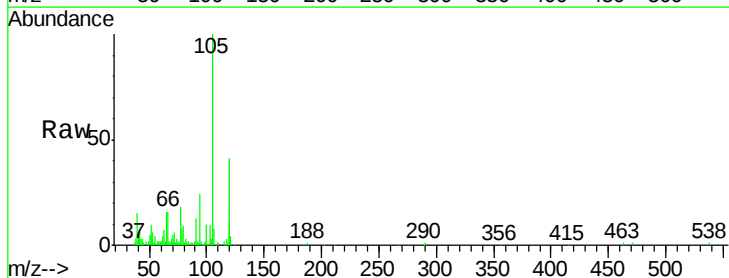
Delta R.T. 0.00 min

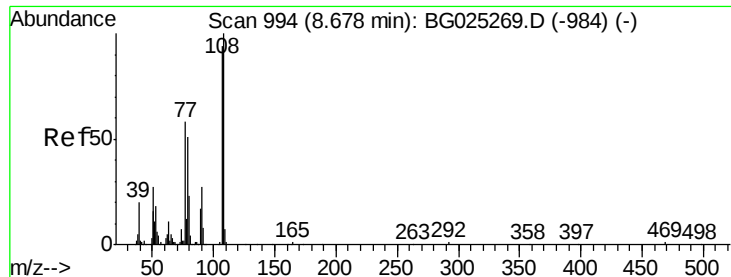
Lab File: BG025277.D

Acq: 17 Dec 2016 16:51

Tgt Ion: 94 Resp: 26170

Ion	Ratio	Lower	Upper
94	100		
65	65.0	26.8	40.2#
66	63.8	44.4	66.6

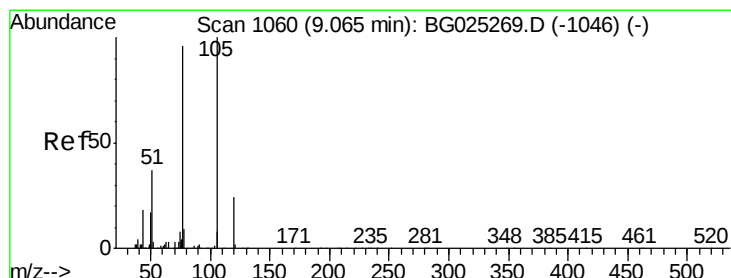
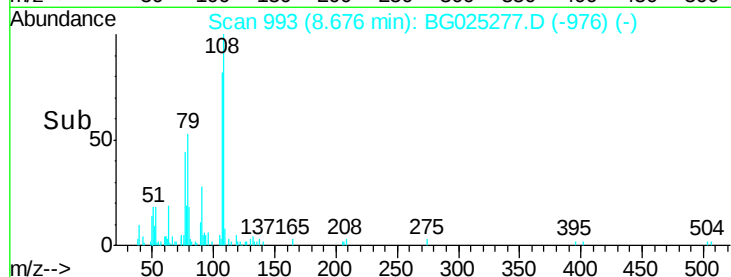
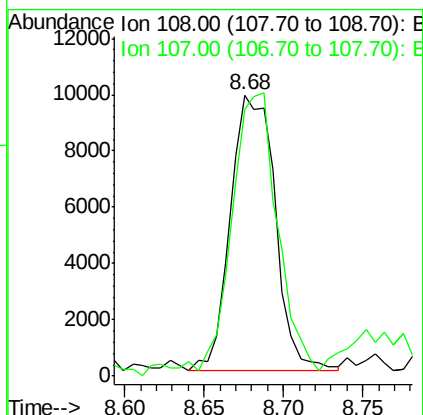
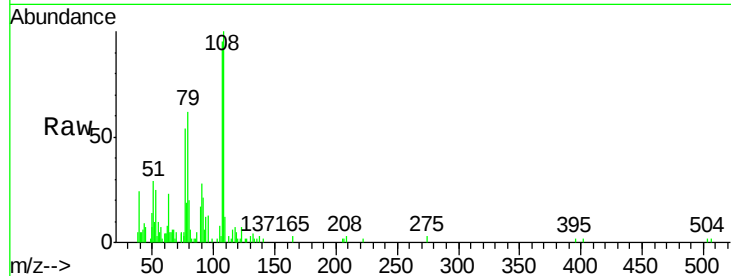




#11
2-Methylphenol
Concen: 4.17 ng/ul
RT: 8.68 min Scan# 993
Delta R.T. -0.00 min
Lab File: BG025277.D
Acq: 17 Dec 2016 16:51

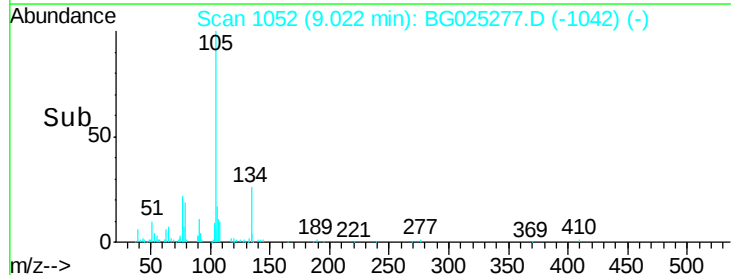
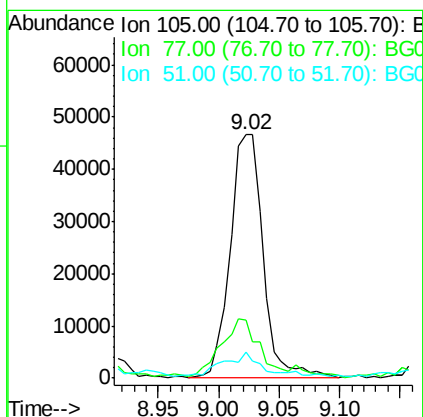
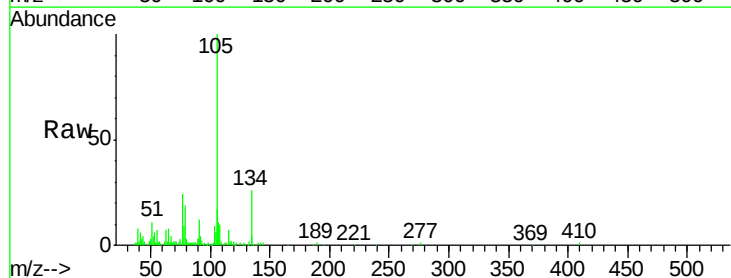
Instrument :
BNA_G
ClientSampleId :

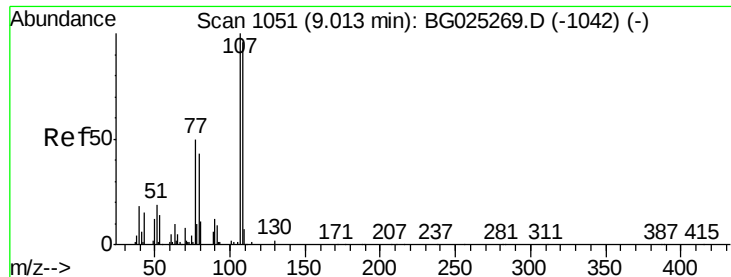
Tot Ion:108 Resp: 19171
Ion Ratio Lower Upper
108 100
107 94.8 76.7 115.1



#14
Acetophenone
Concen: 11.51 ng/ul
RT: 9.02 min Scan# 1052
Delta R.T. -0.04 min
Lab File: BG025277.D
Acq: 17 Dec 2016 16:51

Tgt Ion:105 Resp: 89010
Ion Ratio Lower Upper
105 100
77 24.0 76.0 114.0#
51 10.9 34.8 52.2#

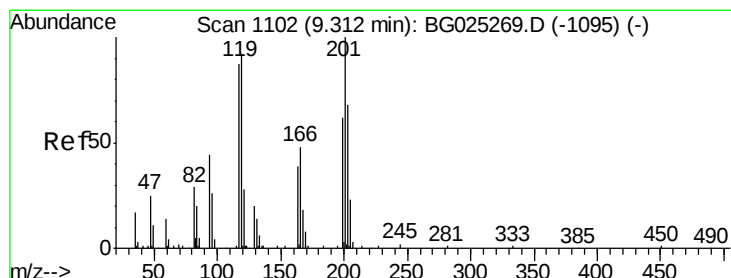
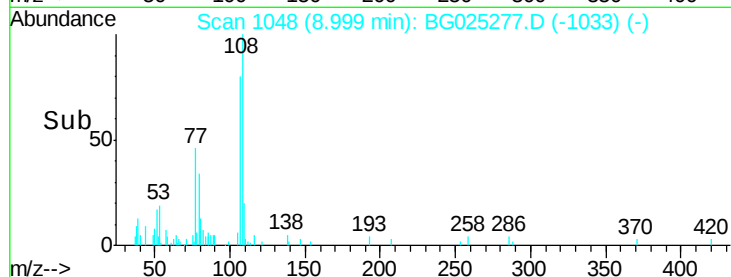
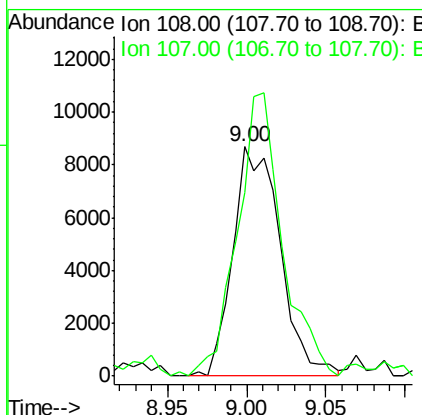
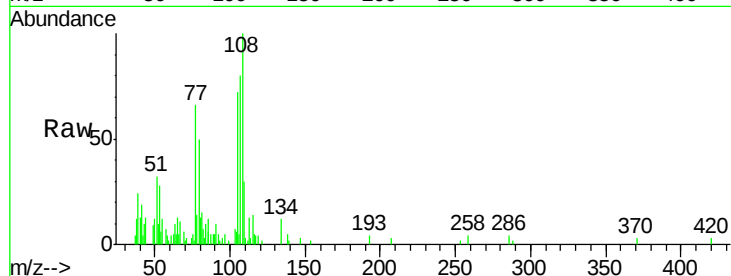




#16
4-Methylphenol
Concen: 3.52 ng/ul
RT: 9.00 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BG025277.D
Acq: 17 Dec 2016 16:51

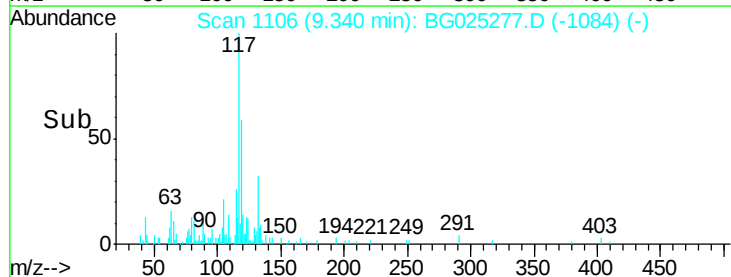
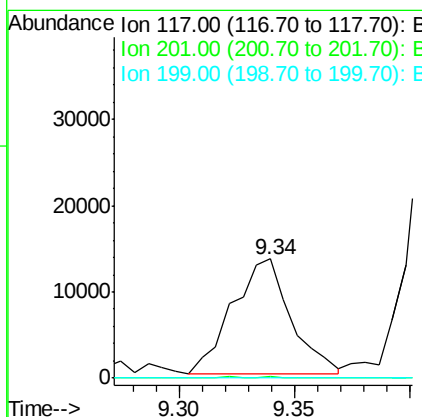
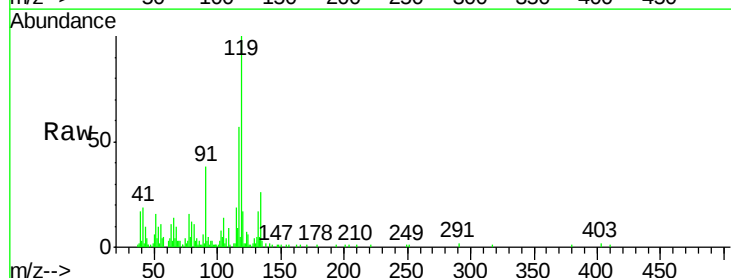
Instrument :
BNA_G
ClientSampleId :

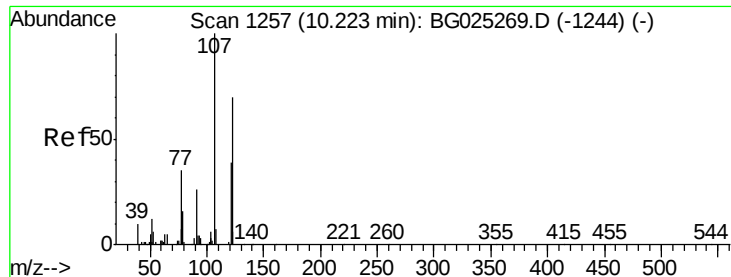
Tot Ion:108 Resp: 18012
Ion Ratio Lower Upper
108 100
107 80.3 91.7 137.5#



#17
Hexachloroethane
Concen: 12.33 ng/ul
RT: 9.34 min Scan# 1106
Delta R.T. 0.03 min
Lab File: BG025277.D
Acq: 17 Dec 2016 16:51

Tgt Ion:117 Resp: 23351
Ion Ratio Lower Upper
117 100
201 1.6 91.9 137.9#
199 0.0 64.3 96.5#





#24

2,4-Dimethylphenol

Concen: 33.47 ng/ul

RT: 10.22 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BG025277.D

Acq: 17 Dec 2016 16:51

Instrument :

BNA_G

ClientSampleId :

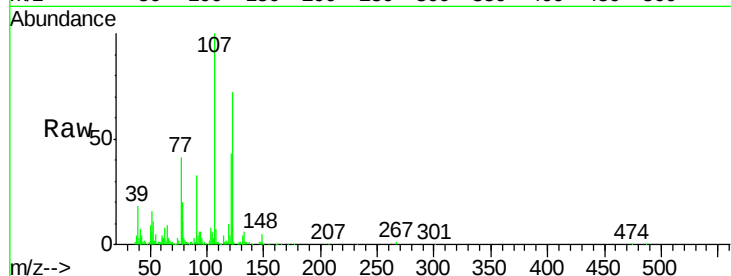
Tot Ion: 107 Resp: 191668

Ion Ratio Lower Upper

107 100

121 43.4 32.3 48.5

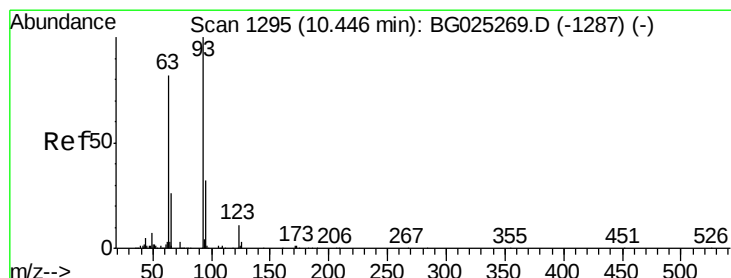
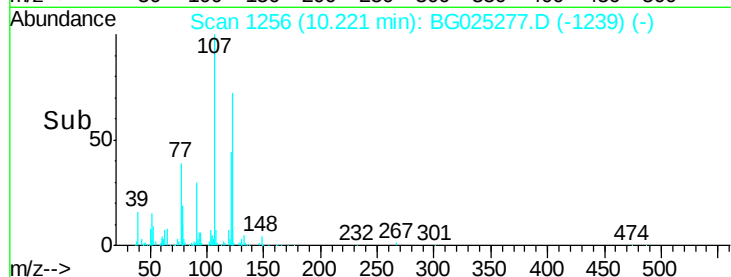
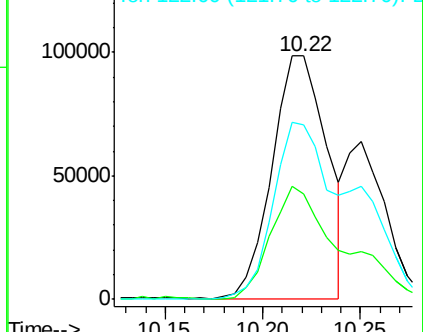
122 71.7 61.2 91.8



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#25

Bis(2-Chloroethoxy)methane

Concen: 1.78 ng/ul

RT: 10.47 min Scan# 1299

Delta R.T. 0.03 min

Lab File: BG025277.D

Acq: 17 Dec 2016 16:51

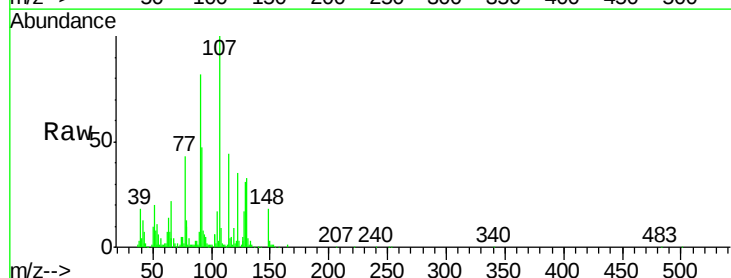
Tgt Ion: 93 Resp: 10470

Ion Ratio Lower Upper

93 100

95 56.3 23.4 35.0#

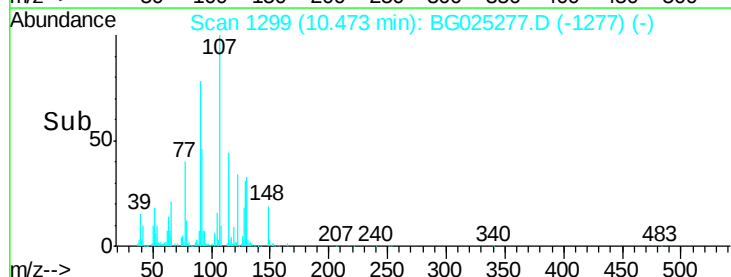
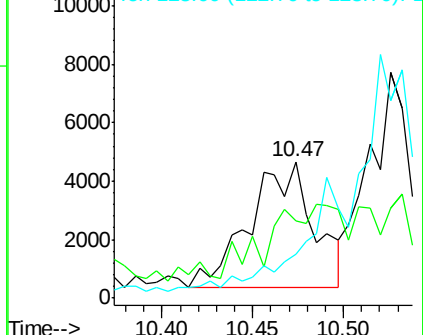
123 31.9 7.8 11.6#

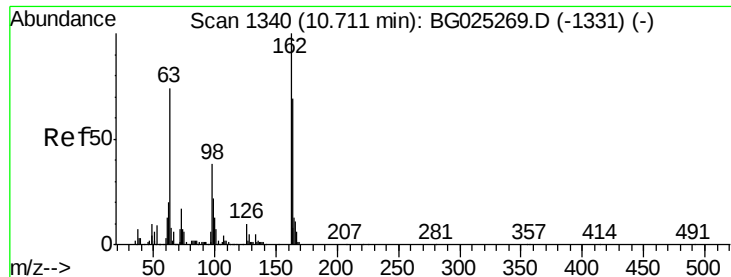


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

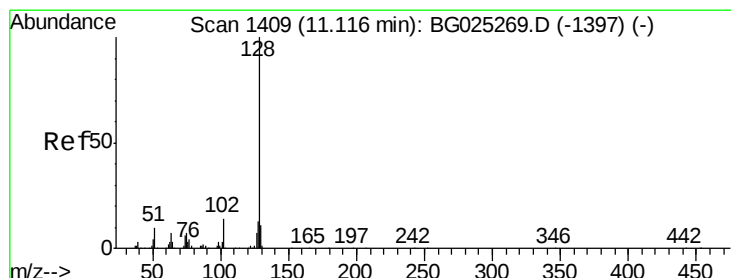
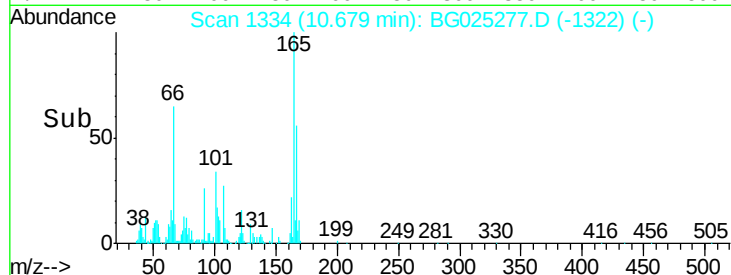
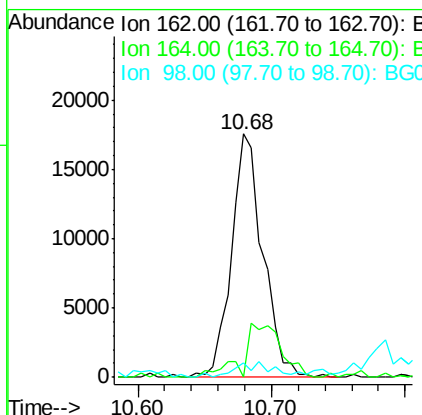
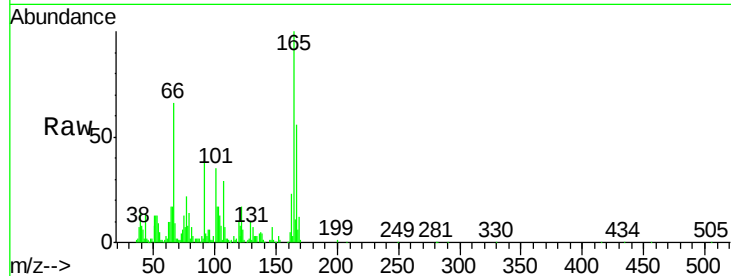




#27
 2,4-Dichlorophenol
 Concen: 6.24 ng/ul
 RT: 10.68 min Scan# 1334
 Delta R.T. -0.03 min
 Lab File: BG025277.D
 Acq: 17 Dec 2016 16:51

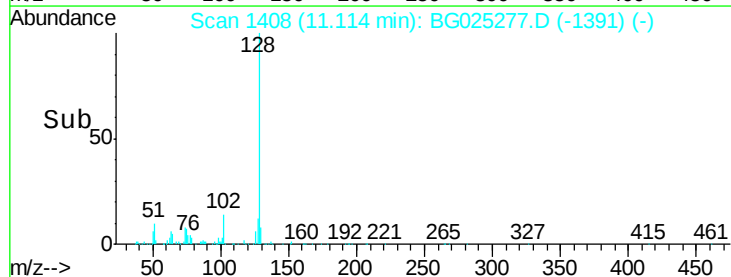
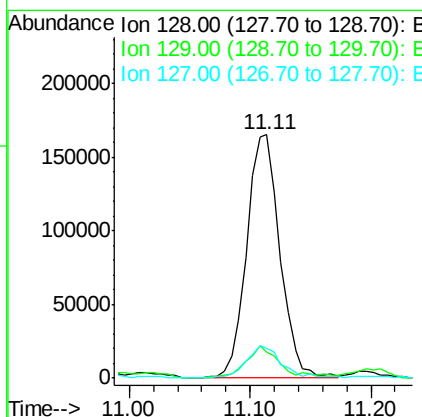
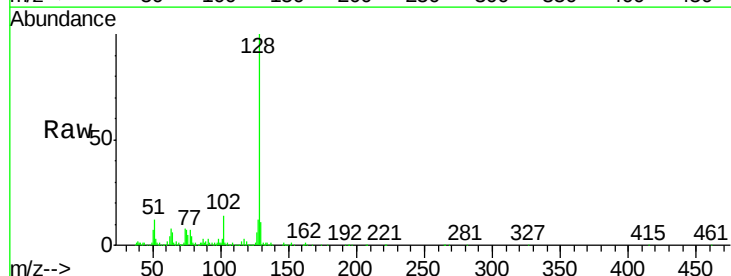
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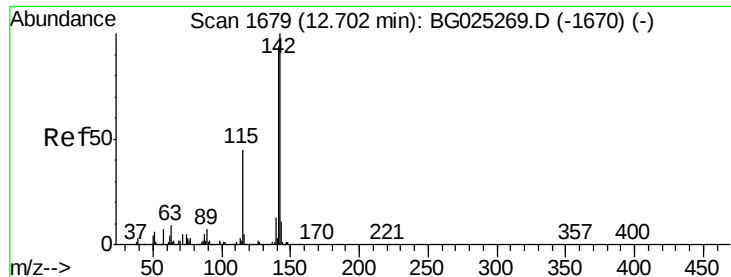
Tot Ion	Ratio	Lower	Upper
162	100		
164	0.0	50.8	76.2#
98	5.9	32.1	48.1#



#28
 Naphthalene
 Concen: 24.21 ng/ul
 RT: 11.11 min Scan# 1408
 Delta R.T. -0.00 min
 Lab File: BG025277.D
 Acq: 17 Dec 2016 16:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.4	14.2
127	12.4	10.3	15.5

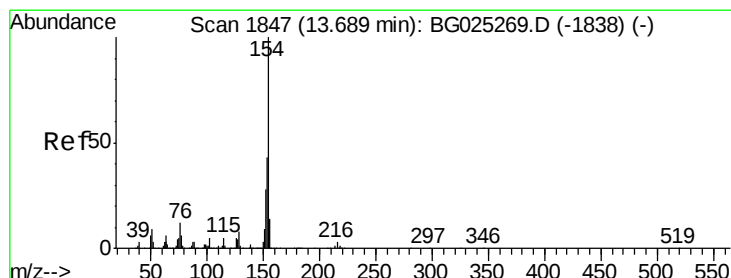
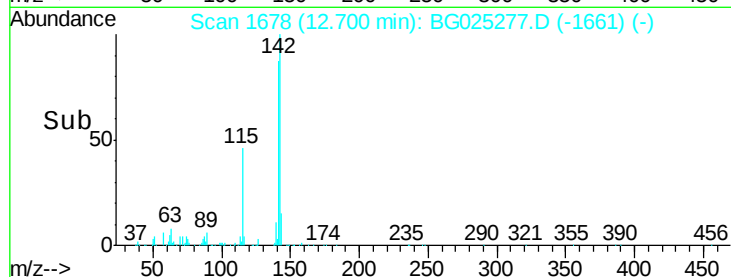
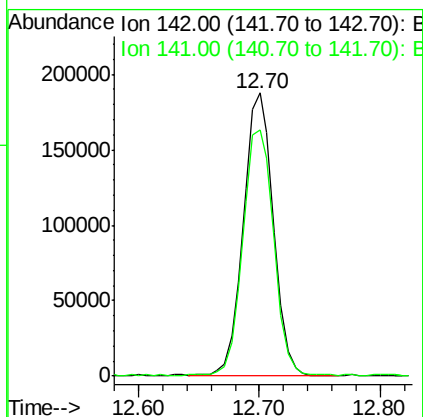
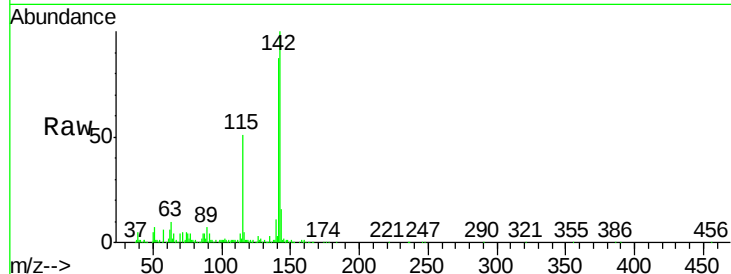




#34
 2-Methylnaphthalene
 Concen: 31.66 ng/ul
 RT: 12.70 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: BG025277.D
 Acq: 17 Dec 2016 16:51

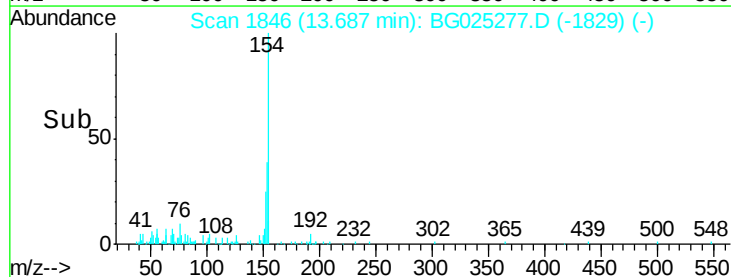
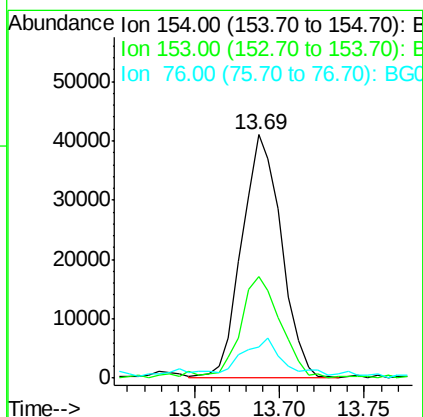
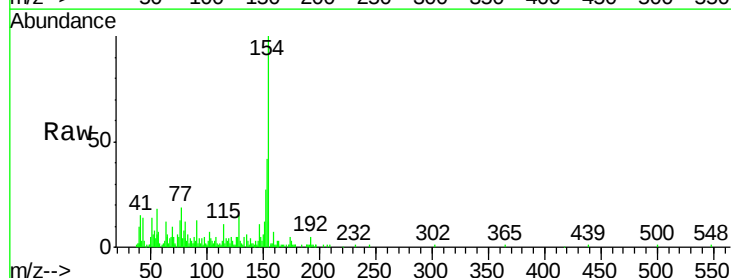
Instrument :
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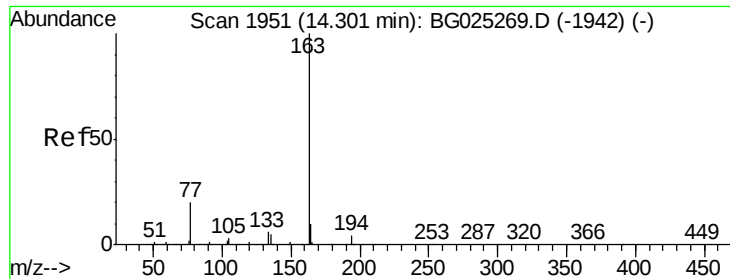
Tot Ion:142 Resp: 324721
 Ion Ratio Lower Upper
 142 100
 141 86.9 68.6 102.8



#40
 1,1'-Biphenyl
 Concen: 4.91 ng/ul
 RT: 13.69 min Scan# 1846
 Delta R.T. -0.00 min
 Lab File: BG025277.D
 Acq: 17 Dec 2016 16:51

Tgt Ion:154 Resp: 66810
 Ion Ratio Lower Upper
 154 100
 153 41.6 32.2 48.2
 76 12.8 9.6 14.4

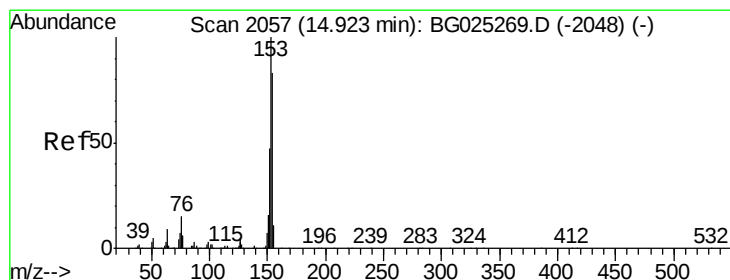
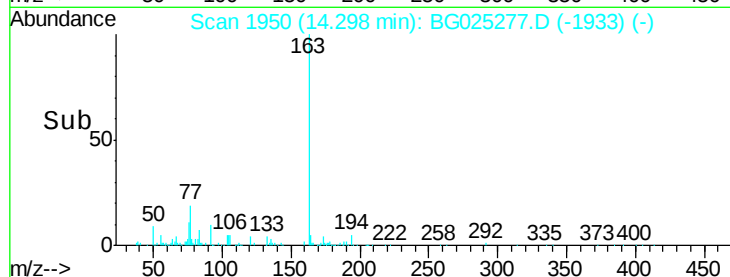
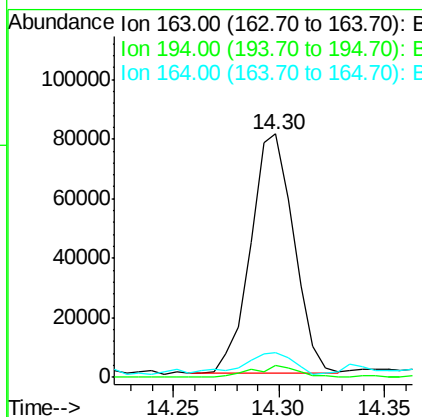
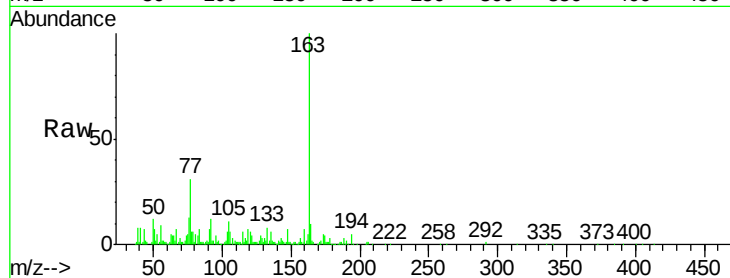




#44
Dimethylphthalate
Concen: 7.55 ng/ul
RT: 14.30 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BG025277.D
Acq: 17 Dec 2016 16:51

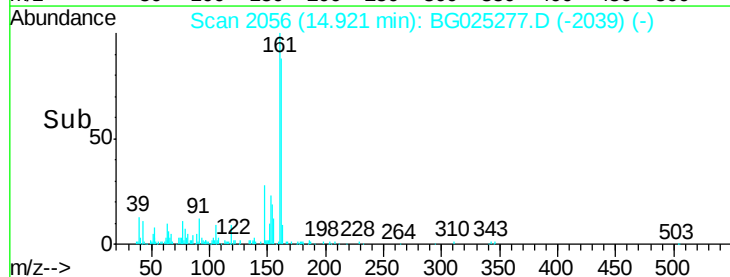
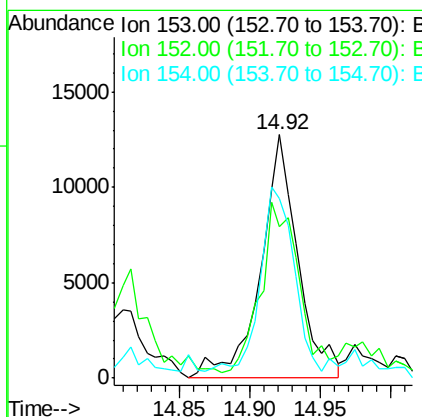
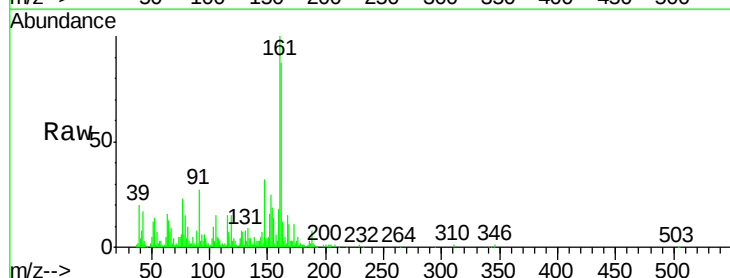
Instrument :
BNA_G
ClientSampleId :

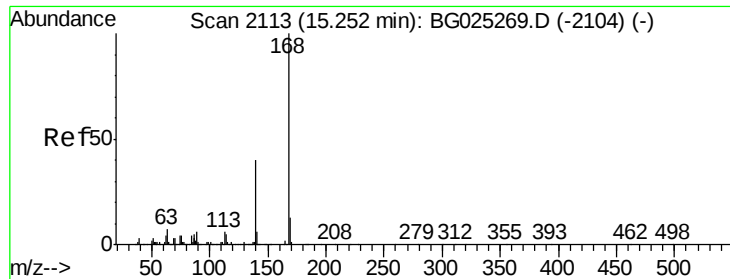
Tot Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.4	5.0#
164	10.2	9.0	13.4



#49
Acenaphthene
Concen: 2.10 ng/ul
RT: 14.92 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BG025277.D
Acq: 17 Dec 2016 16:51

Tgt Ion	Ratio	Lower	Upper
153	100		
152	62.2	36.5	54.7#
154	73.7	72.3	108.5





#53

Dibenzofuran

Concen: 3.77 ng/ul

RT: 15.25 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BG025277.D

Acq: 17 Dec 2016 16:51

Instrument :

BNA_G

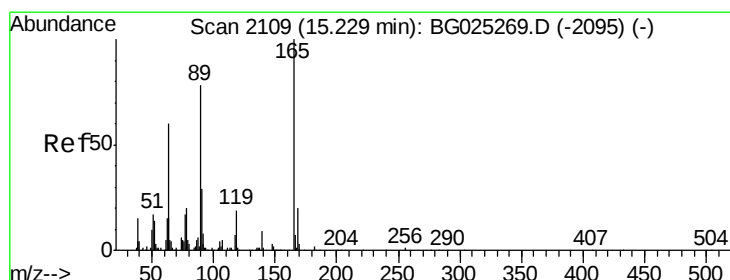
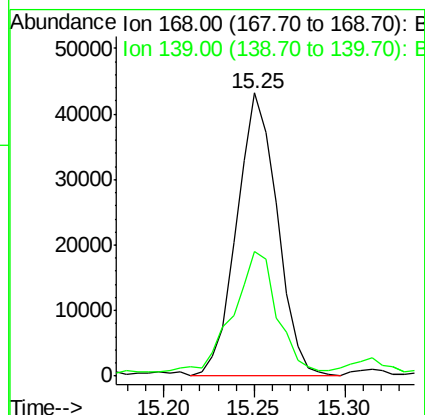
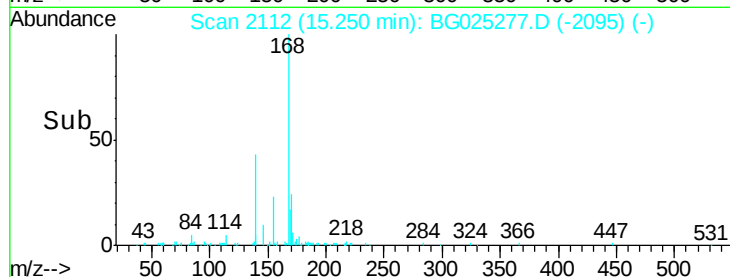
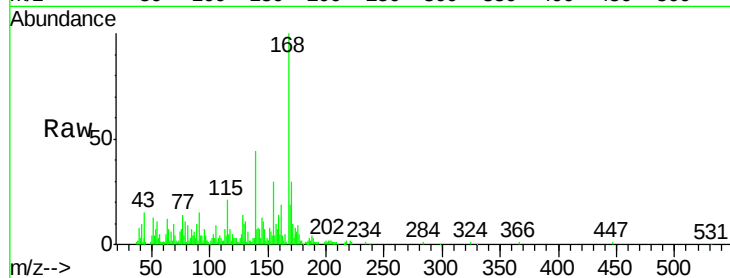
ClientSampleId :

Tot Ion:168 Resp: 67165

Ion Ratio Lower Upper

168 100

139 44.3 33.8 50.8



#54

2,4-Dinitrotoluene

Concen: 1.03 ng/ul

RT: 15.23 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BG025277.D

Acq: 17 Dec 2016 16:51

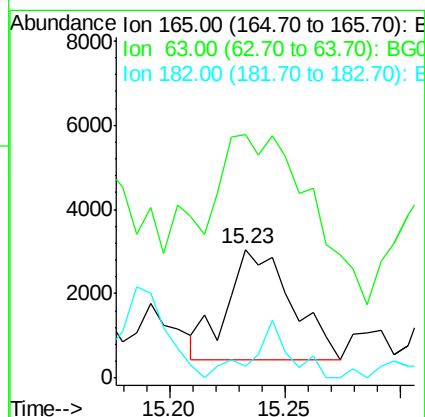
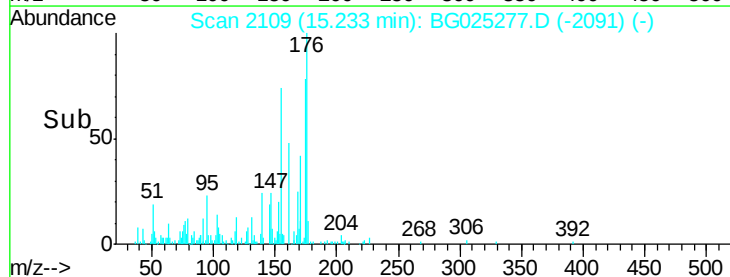
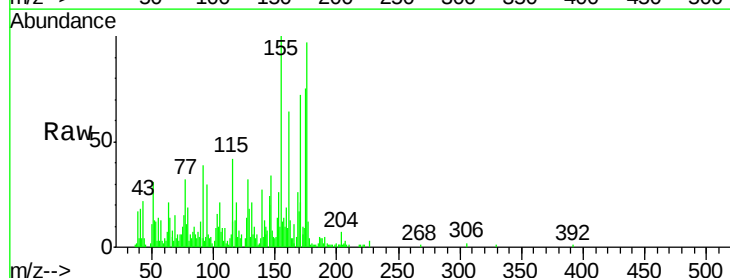
Tgt Ion:165 Resp: 5084

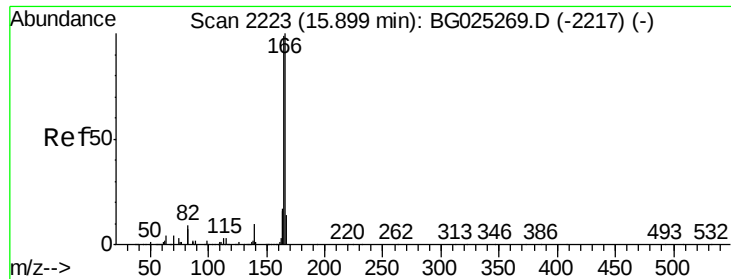
Ion Ratio Lower Upper

165 100

63 189.1 46.8 70.2#

182 9.8 1.8 2.6#





#58

Fluorene

Concen: 6.61 ng/ul

RT: 15.90 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG025277.D

Acq: 17 Dec 2016 16:51

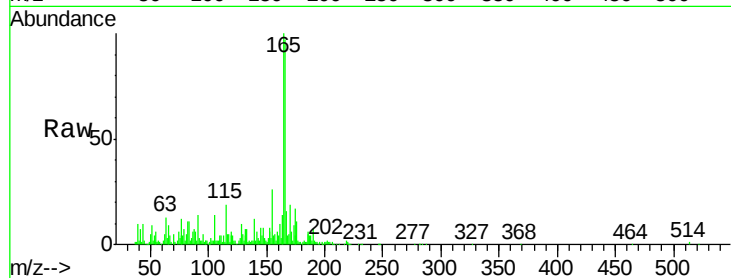
Instrument :

BNA_G

ClientSampleId :

Tot Ion:166 Resp: 95979

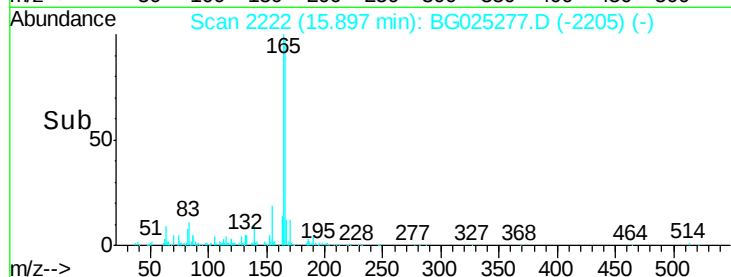
Ion	Ratio	Lower	Upper
166	100		
165	103.5	79.7	119.5
167	16.5	11.4	17.2



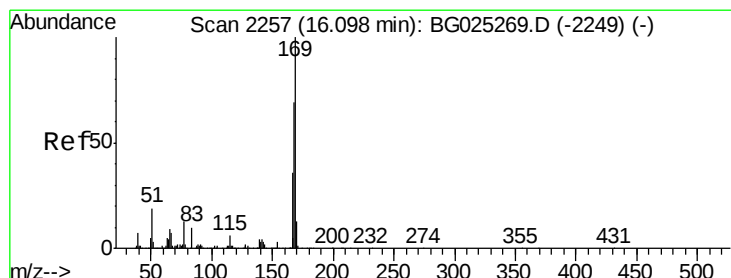
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#64

N-Nitrosodiphenylamine

Concen: 1.40 ng/ul

RT: 16.10 min Scan# 2257

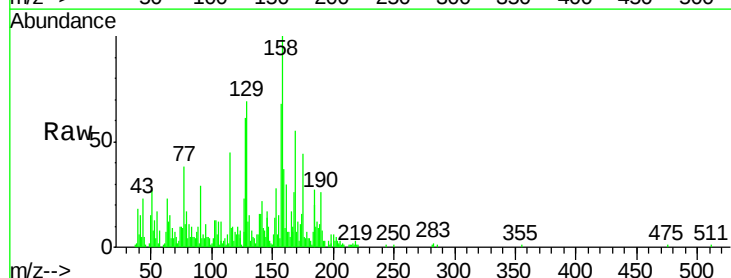
Delta R.T. 0.00 min

Lab File: BG025277.D

Acq: 17 Dec 2016 16:51

Tgt Ion:169 Resp: 16932

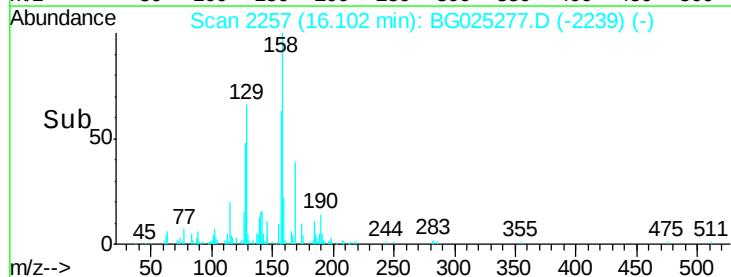
Ion	Ratio	Lower	Upper
169	100		
168	46.9	59.1	88.7#
167	13.7	29.7	44.5#



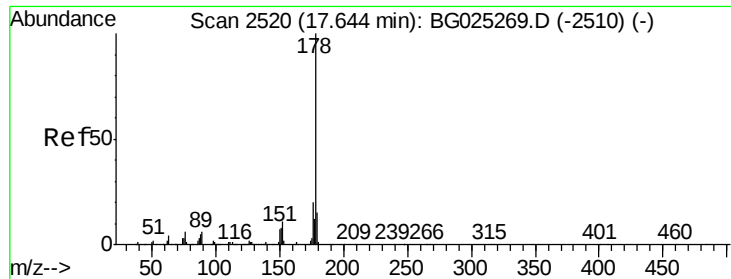
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#69

Phenanthrene

Concen: 4.12 ng/ul

RT: 17.64 min Scan# 2519

Delta R.T. -0.00 min

Lab File: BG025277.D

Acq: 17 Dec 2016 16:51

Instrument :

BNA_G

ClientSampleId :

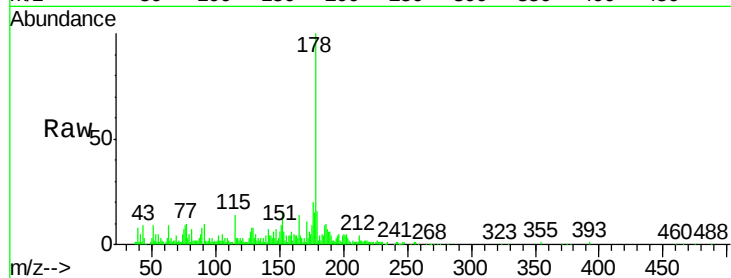
Tot Ion:178 Resp: 92674

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

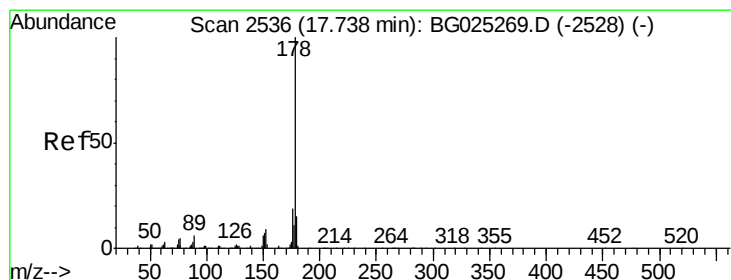
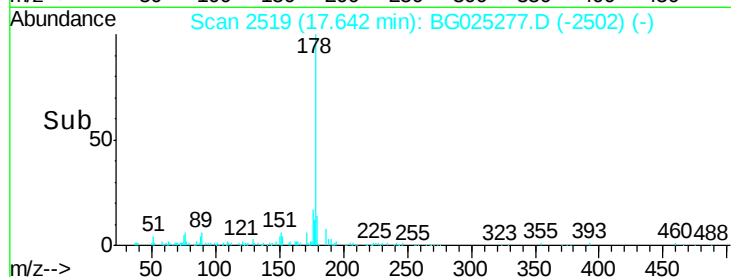
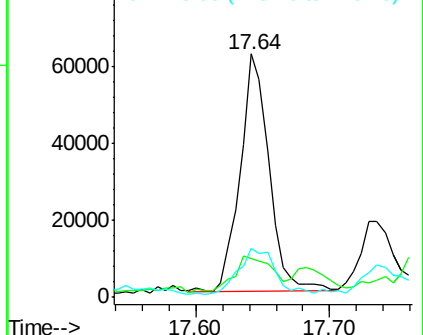
176 19.9 16.5 24.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 1.27 ng/ul

RT: 17.74 min Scan# 2535

Delta R.T. -0.00 min

Lab File: BG025277.D

Acq: 17 Dec 2016 16:51

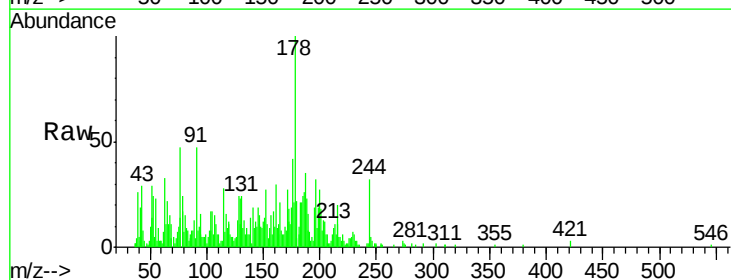
Tgt Ion:178 Resp: 29275

Ion Ratio Lower Upper

178 100

179 21.7 12.6 19.0#

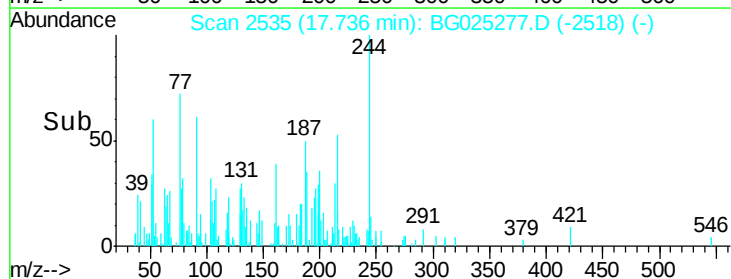
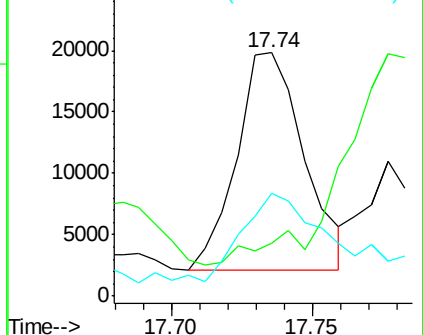
176 42.1 15.9 23.9#

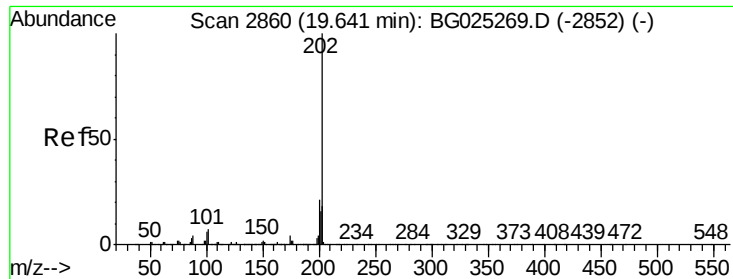


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 1.04 ng/ul

RT: 19.64 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG025277.D

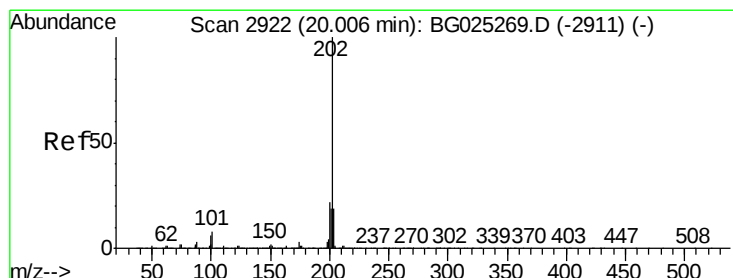
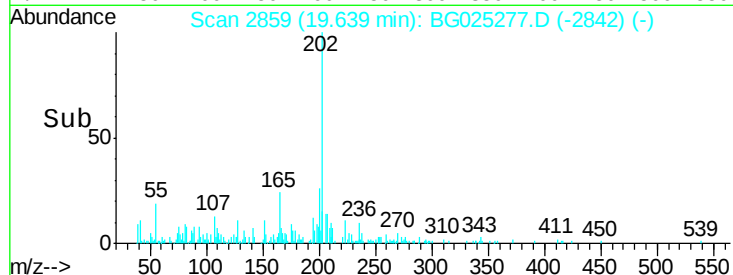
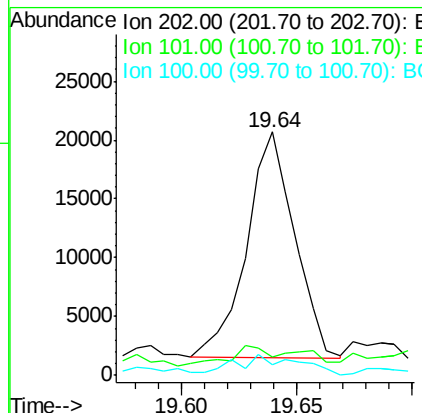
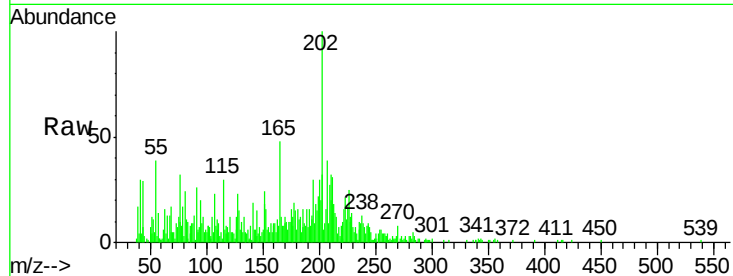
Acq: 17 Dec 2016 16:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	27828
Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.2	9.2
100	4.6	5.2	7.8#



#77

Pyrene

Concen: 1.53 ng/ul

RT: 20.00 min Scan# 2921

Delta R.T. -0.00 min

Lab File: BG025277.D

Acq: 17 Dec 2016 16:51

Tgt Ion:	202	Resp:	45998
Ion	Ratio	Lower	Upper
202	100		
101	11.5	6.9	10.3#
100	8.6	6.6	10.0

