

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020277.D
 Acq On : 18 Dec 2015 16:17
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02005

Quant Time: Dec 18 23:50:00 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 23:45:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	18155	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	78319	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	56928	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	147260	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	187721	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	169790	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	2723	8.28	ng/uL	0.00
5) Phenol-d5	7.24	99	32243	20.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	18946	19.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	25092	21.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	27837	20.33	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	12498	20.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	15107	22.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	29615	21.52	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	34521	22.33	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	97999	21.28	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	114765	21.42	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	16283	19.72	ng/ul	0.00
58) Fluorene-d10	15.72	176	86693	20.76	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	16630	19.05	ng/ul	0.00
71) Anthracene-d10	17.57	188	146171	21.54	ng/ul	0.00
79) Pyrene-d10	19.85	212	169402	19.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	187820	22.18	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.50	88	3432	7.07	ng/uL#	86
4) Benzaldehyde	7.23	77	20985	20.25	ng/ul	98
6) Phenol	7.27	94	34133	19.91	ng/ul	99
8) Bis(2-Chloroethyl)ether	7.51	93	24168	20.55	ng/ul	96
10) 2-Chlorophenol	7.66	128	25941	21.27	ng/ul	98
11) 2-Methylphenol	8.53	108	25620	19.59	ng/ul	86
12) 2,2'-oxybis(1-Chloropropan	8.62	45	33290	19.65	ng/ul	98
14) Acetophenone	8.92	105	43728	20.40	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.90	70	22631	19.94	ng/ul#	97
16) 4-Methylphenol	8.86	108	28827	19.91	ng/ul	95
17) Hexachloroethane	9.18	117	10711	20.90	ng/ul	95
20) Nitrobenzene	9.30	77	33390	20.64	ng/ul	98
21) Isophorone	9.82	82	62985	20.39	ng/ul	97
23) 2-Nitrophenol	10.02	139	16199	22.24	ng/ul	98
24) 2,4-Dimethylphenol	10.06	107	34629	20.93	ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.31	93	34823	20.81	ng/ul	96
27) 2,4-Dichlorophenol	10.55	162	30710	21.73	ng/ul	96
28) Naphthalene	10.96	128	87900	21.49	ng/ul	97
30) 4-Chloroaniline	11.06	127	34985	22.17	ng/ul	94
31) Hexachlorobutadiene	11.25	225	23916	22.70	ng/ul	97
32) Caprolactam	11.82	113	9753	19.55	ng/ul	99
33) 4-Chloro-3-methylphenol	12.18	107	33937	20.20	ng/ul	93
34) 2-Methylnaphthalene	12.56	142	67248	21.53	ng/ul	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.78	142	62524	20.82	ng/ul	96
37) 1,2,4,5-Tetrachlorobenzene	12.93	216	47542	22.25	ng/ul	99
38) Hexachlorocyclopentadiene	12.90	237	18537	14.04	ng/ul	94
39) 2,4,6-Trichlorophenol	13.16	196	28990	21.15	ng/ul	99
40) 2,4,5-Trichlorophenol	13.23	196	31775	20.86	ng/ul	96
41) 1,1'-Biphenyl	13.56	154	93047	21.66	ng/ul	94
42) 2-Chloronaphthalene	13.61	162	73756	21.45	ng/ul	98
43) 2-Nitroaniline	13.81	65	22698	19.42	ng/ul	90
45) Dimethylphthalate	14.17	163	100296	21.33	ng/ul	99
46) 2,6-Dinitrotoluene	14.29	165	21396	21.99	ng/ul	97
48) Acenaphthylene	14.45	152	120013	21.09	ng/ul	99
49) 3-Nitroaniline	14.62	138	20890	22.12	ng/ul	96
50) Acenaphthene	14.79	153	80811	21.10	ng/ul	98
51) 2,4-Dinitrophenol	14.84	184	8482	15.32	ng/ul	93
53) 4-Nitrophenol	14.93	109	15364	19.34	ng/ul	94
54) Dibenzofuran	15.12	168	121632	21.35	ng/ul	100
55) 2,4-Dinitrotoluene	15.08	165	31316	21.93	ng/ul	89
56) 2,3,4,6-Tetrachlorophenol	15.35	232	30919	21.11	ng/ul	98
57) Diethylphthalate	15.53	149	103020	21.11	ng/ul	98
59) Fluorene	15.77	166	98295	21.49	ng/ul	100
60) 4-Chlorophenyl-phenylether	15.76	204	56061	21.73	ng/ul	96
61) 4-Nitroaniline	15.79	138	22248	21.79	ng/ul	95
64) 4,6-Dinitro-2-methylphenol	15.84	198	16625	17.74	ng/ul#	98
65) N-Nitrosodiphenylamine	15.97	169	87380	21.34	ng/ul	98
66) 4-Bromophenyl-phenylether	16.66	248	38938	22.53	ng/ul	96
67) Hexachlorobenzene	16.77	284	41759	22.50	ng/ul#	89
68) Atrazine	16.92	200	37891	21.70	ng/ul	99
69) Pentachlorophenol	17.11	266	16455	14.70	ng/ul	96
70) Phenanthrene	17.51	178	172526	21.42	ng/ul	98
72) Anthracene	17.60	178	175254	21.45	ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	13.53	216	51081	22.14	ng/uL	95
74) Pentachlorobenzene	15.04	250	47947	22.41	ng/uL	96
75) Carbazole	17.87	167	151293	22.04	ng/ul	99
76) Di-n-butylphthalate	18.42	149	173750	21.78	ng/ul	99
77) Fluoranthene	19.52	202	220364	23.41	ng/ul	98
80) Pyrene	19.88	202	222560	19.59	ng/ul	99
81) Butylbenzylphthalate	20.76	149	78845	19.97	ng/ul	93
82) 3,3'-Dichlorobenzidine	21.64	252	79645	23.22	ng/ul	97
83) Benzo(a)anthracene	21.73	228	233922	21.36	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.62	149	109223	19.35	ng/ul	99
85) Chrysene	21.80	228	221972	21.52	ng/ul	99
87) Di-n-octyl phthalate	22.85	149	189956	20.36	ng/ul	100
88) Benzo(b)fluoranthene	24.05	252	215955	21.13	ng/ul	97
89) Benzo(k)fluoranthene	24.05	252	216697	22.10	ng/ul	99
91) Benzo(a)pyrene	24.86	252	215889	22.29	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.75	276	218561	18.95	ng/ul	95
93) Dibenzo(a,h)anthracene	28.82	278	185897	19.41	ng/ul	97
94) Benzo(g,h,i)perylene	29.93	276	152088	16.08	ng/ul	98

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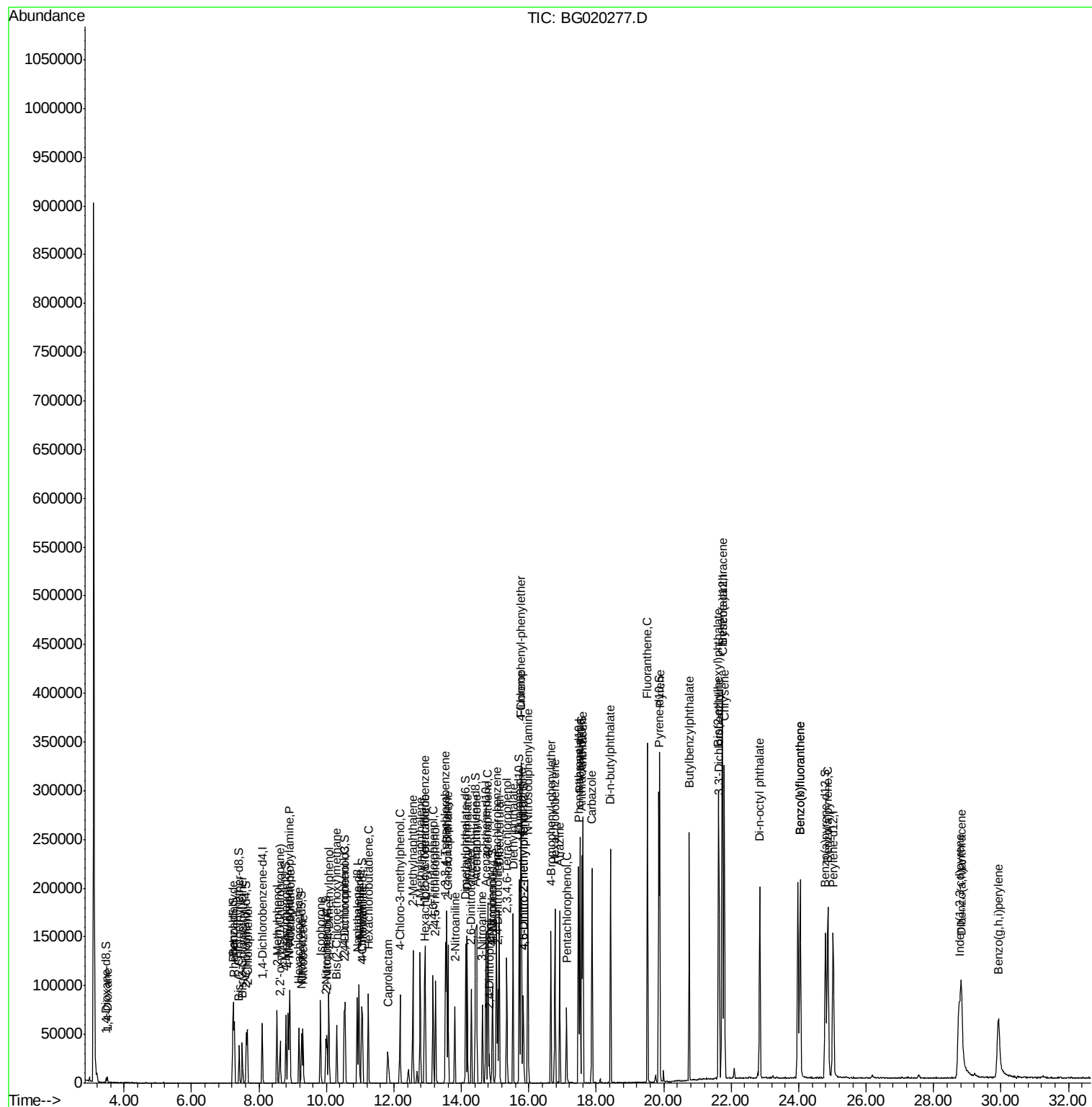
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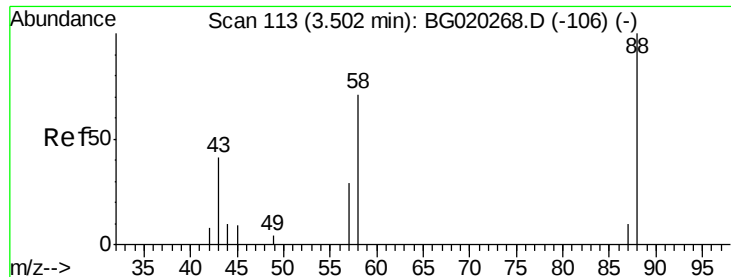
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
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Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 7.07 ng/uL

RT: 3.50 min Scan# 113

Delta R.T. -0.00 min

Lab File: BG020277.D

Acq: 18 Dec 2015 16:17

Instrument :

BNA_G

ClientSampleId :

SSTD02005

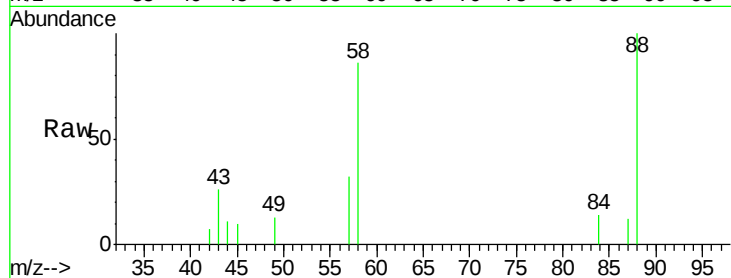
Tgt Ion: 88 Resp: 3432

Ion Ratio Lower Upper

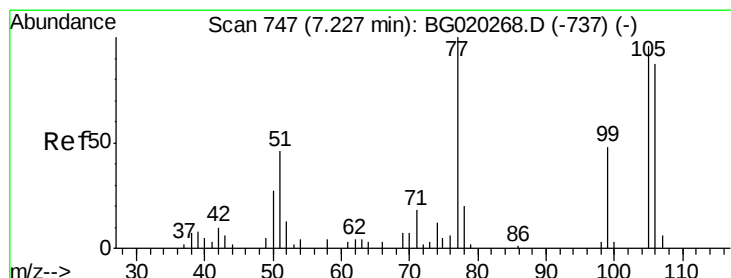
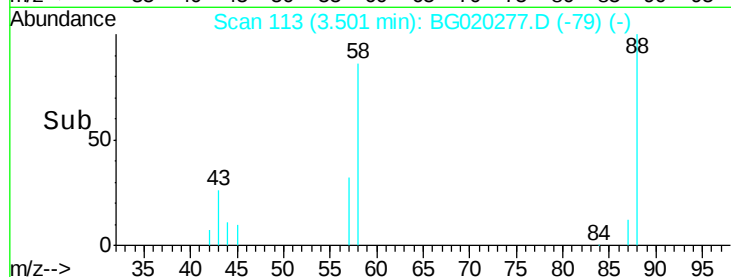
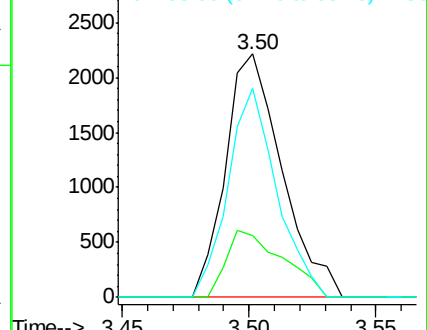
88 100

43 25.6 27.8 41.8#

58 85.9 59.9 89.9



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 43.00 (42.70 to 43.70): BGC
Ion 58.00 (57.70 to 58.70): BGC



#4

Benzaldehyde

Concen: 20.25 ng/uL

RT: 7.23 min Scan# 747

Delta R.T. -0.00 min

Lab File: BG020277.D

Acq: 18 Dec 2015 16:17

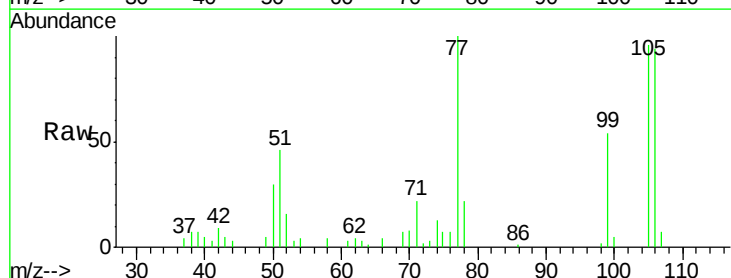
Tgt Ion: 77 Resp: 20985

Ion Ratio Lower Upper

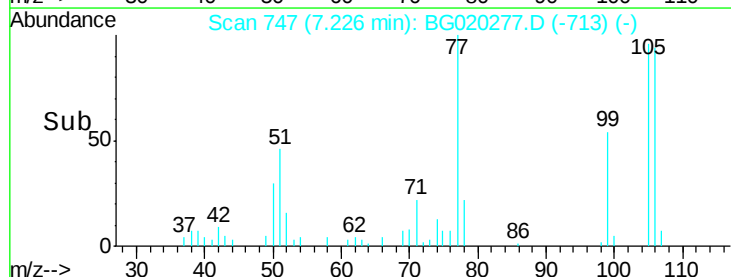
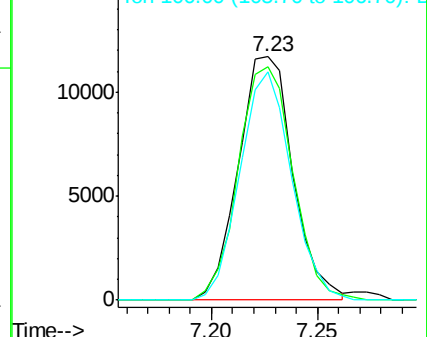
77 100

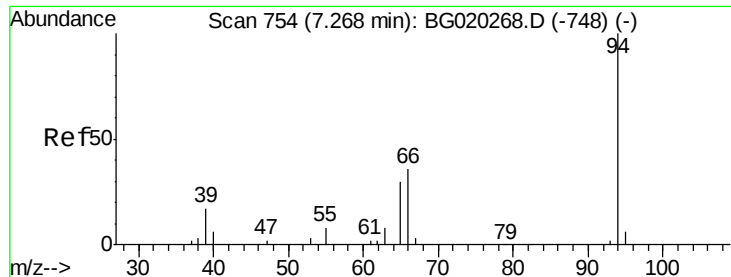
105 95.9 77.8 116.6

106 93.8 72.6 109.0



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#6

Phenol

Concen: 19.91 ng/ul

RT: 7.27 min Scan# 755

Delta R.T. 0.01 min

Lab File: BG020277.D

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Instrument :

BNA_G

ClientSampleId :

SSTD02005

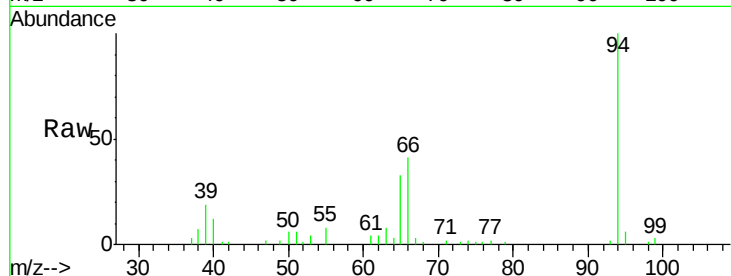
Tgt Ion: 94 Resp: 34133

Ion Ratio Lower Upper

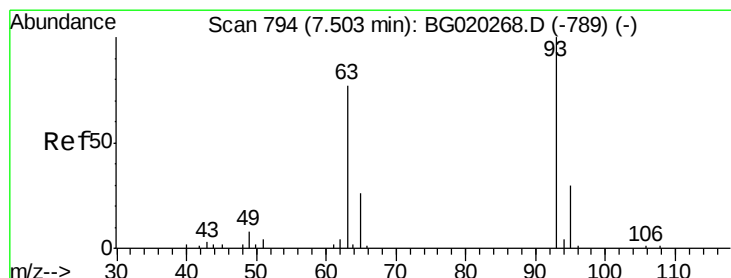
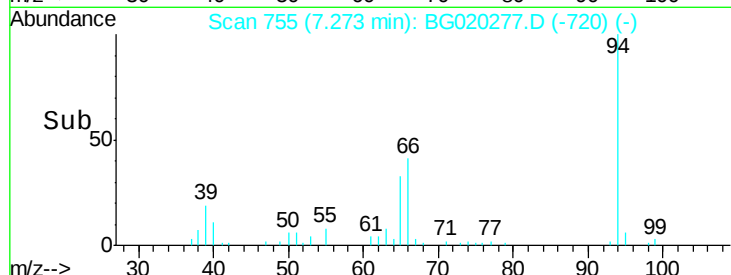
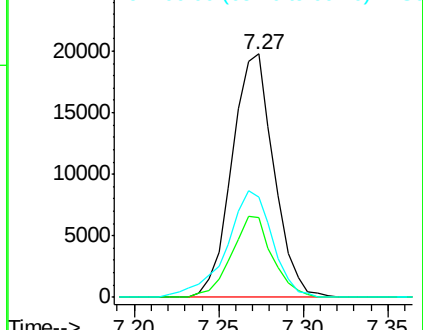
94 100

65 32.5 26.3 39.5

66 41.0 33.3 49.9



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



#8

Bis(2-Chloroethyl)ether

Concen: 20.55 ng/ul

RT: 7.51 min Scan# 795

Delta R.T. 0.01 min

Lab File: BG020277.D

Acq: 18 Dec 2015 16:17

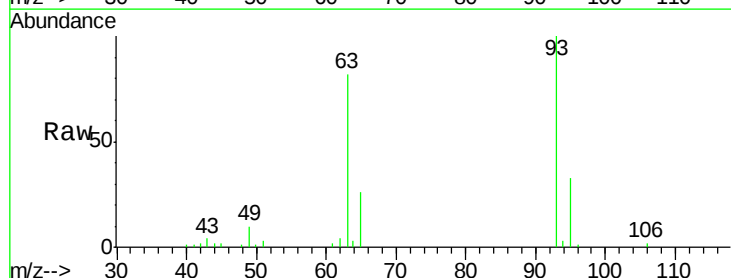
Tgt Ion: 93 Resp: 24168

Ion Ratio Lower Upper

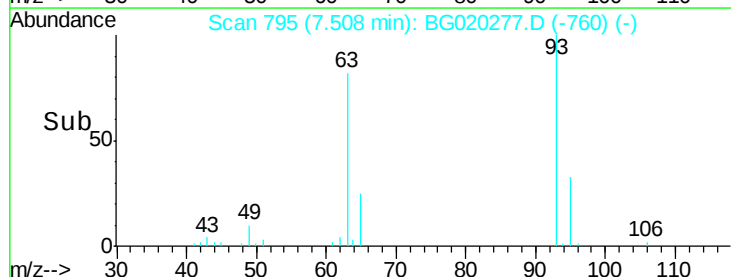
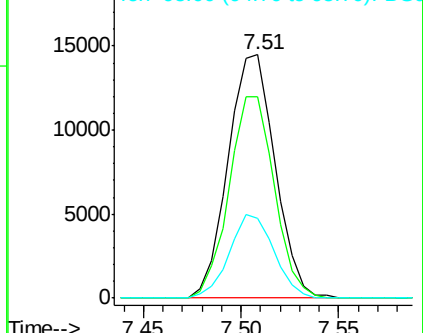
93 100

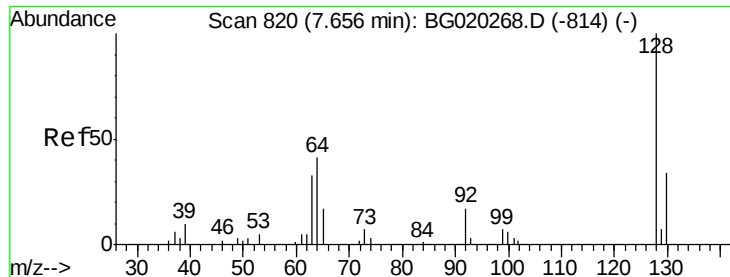
63 82.5 63.6 95.4

95 32.8 23.7 35.5



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

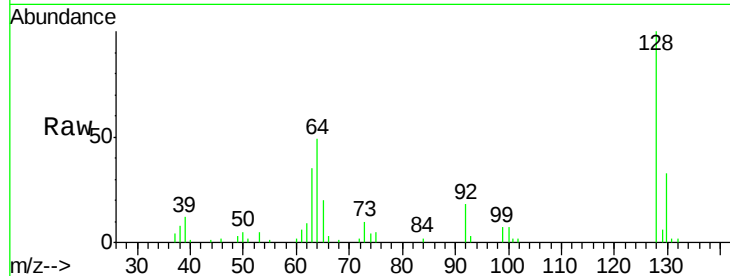




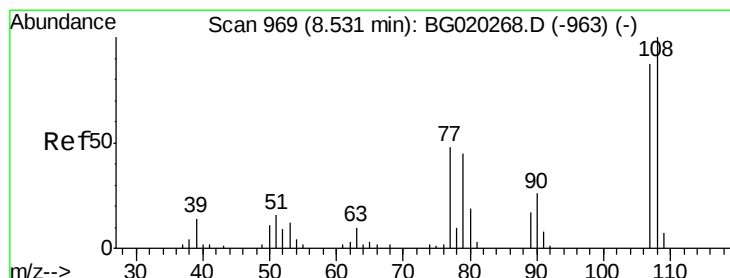
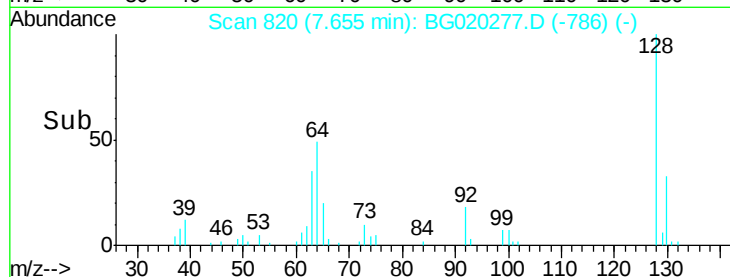
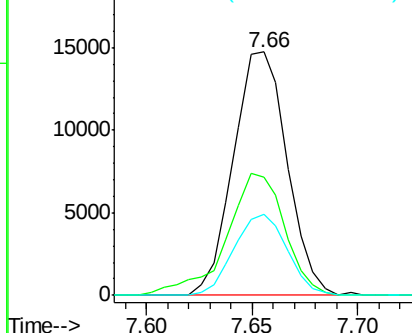
#10
2-Chlorophenol
Concen: 21.27 ng/ul
RT: 7.66 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG020277.D
Acq: 18 Dec 2015 16:17

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Tgt Ion:128 Resp: 25941
Ion Ratio Lower Upper
128 100
64 48.8 39.4 59.0
130 33.4 24.6 36.8

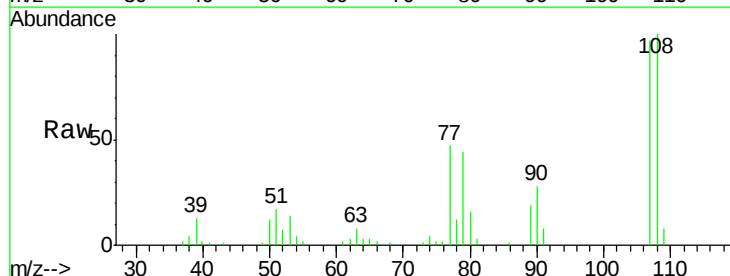


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): E

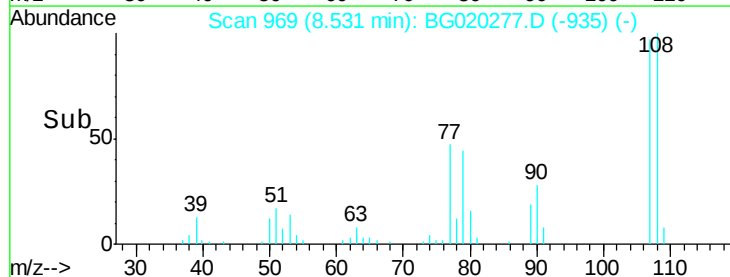
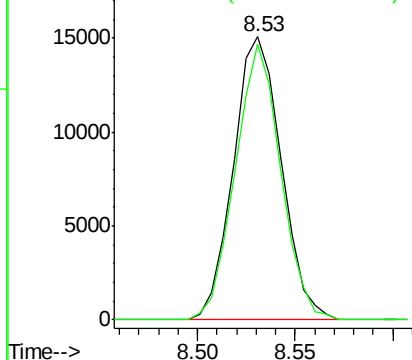


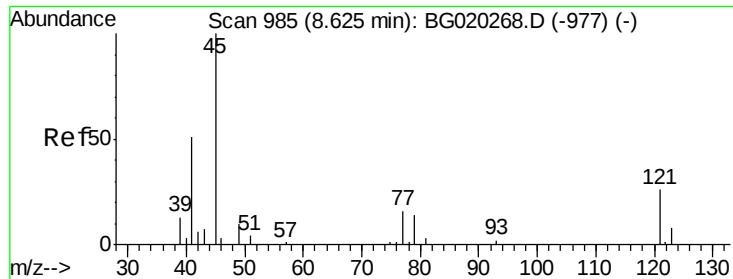
#11
2-Methylphenol
Concen: 19.59 ng/ul
RT: 8.53 min Scan# 969
Delta R.T. -0.00 min
Lab File: BG020277.D
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Tgt Ion:108 Resp: 25620
Ion Ratio Lower Upper
108 100
107 97.4 67.5 101.3



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

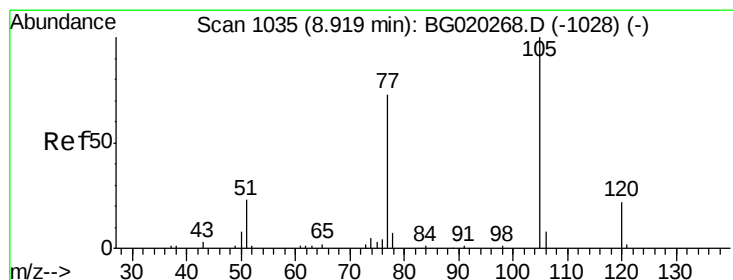
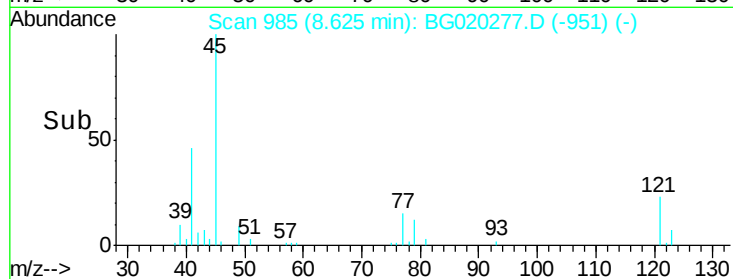
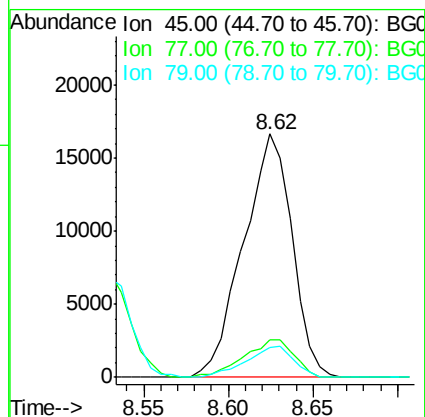
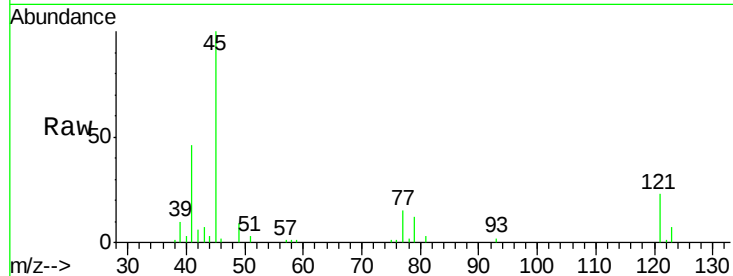




#12
2,2'-oxybis(1-Chloropropane)
Concen: 19.65 ng/ul
RT: 8.62 min Scan# 985
Delta R.T. -0.00 min
Lab File: BG020277.D
Acq: 18 Dec 2015 16:17

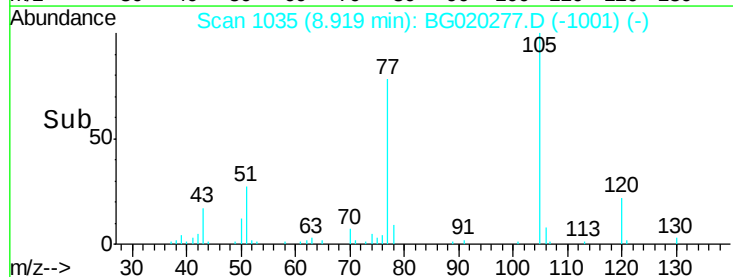
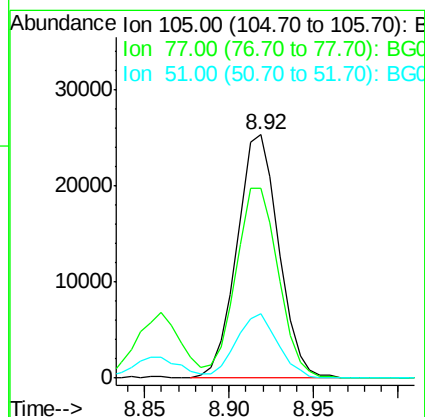
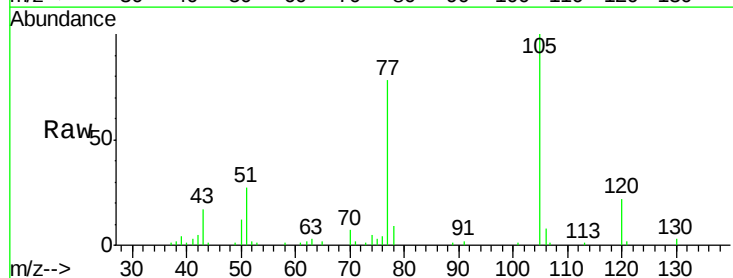
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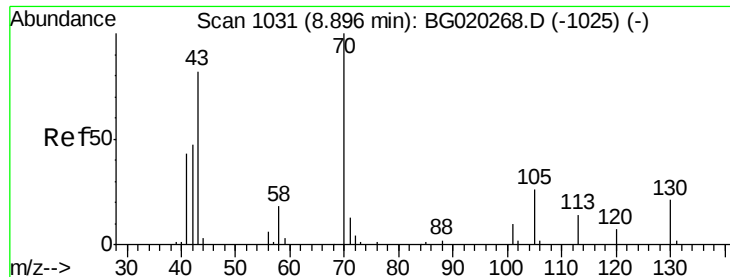
Tgt Ion: 45 Resp: 33290
Ion Ratio Lower Upper
45 100
77 15.5 12.1 18.1
79 12.5 9.0 13.4



#14
Acetophenone
Concen: 20.40 ng/ul
RT: 8.92 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG020277.D
Acq: 18 Dec 2015 16:17

Tgt Ion: 105 Resp: 43728
Ion Ratio Lower Upper
105 100
77 78.0 65.2 97.8
51 26.5 22.6 33.8

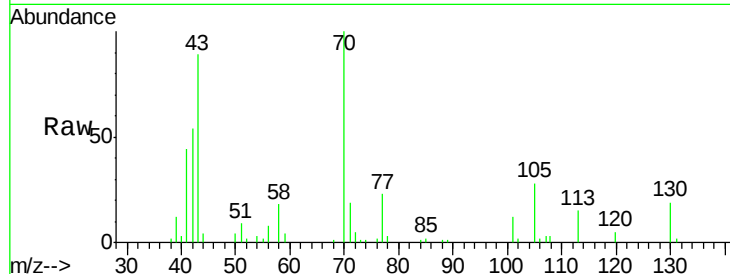




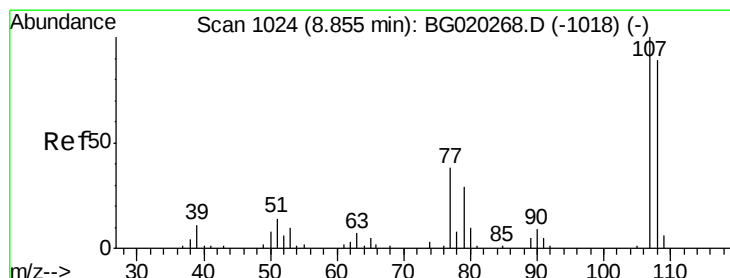
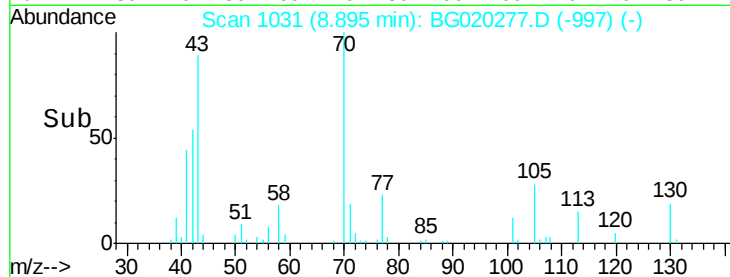
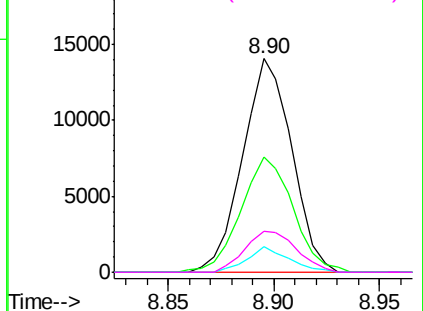
#15
N-Nitroso-di-n-propylamine
Concen: 19.94 ng/ul
RT: 8.90 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BG020277.D
Acq: 18 Dec 2015 16:17

Instrument :
BNA_G
ClientSampleId :
SSTD02005

Tgt Ion: 70 Resp: 22631
Ion Ratio Lower Upper
70 100
42 53.9 44.3 66.5
101 12.0 7.6 11.4#
130 19.2 17.0 25.4

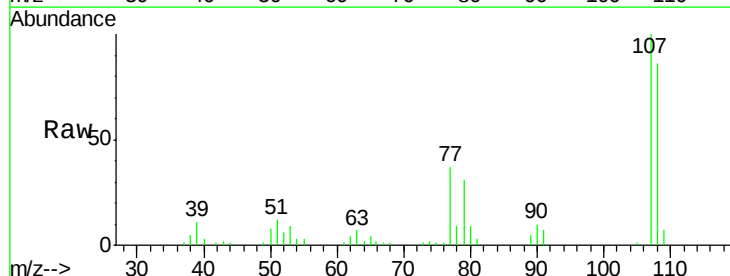


Abundance Ion 70.00 (69.70 to 70.70): BG020277.D (-997) (-)
Ion 42.00 (41.70 to 42.70): BG020277.D (-997) (-)
Ion 101.00 (100.70 to 101.70): BG020277.D (-997) (-)
Ion 130.00 (129.70 to 130.70): BG020277.D (-997) (-)

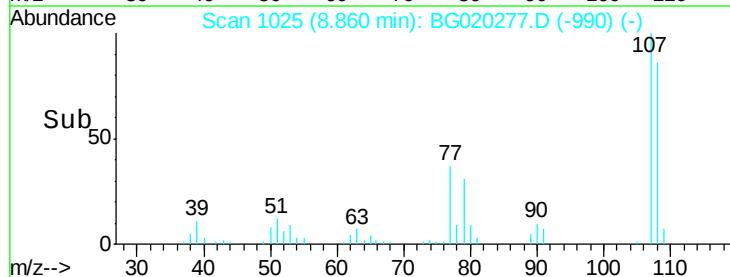
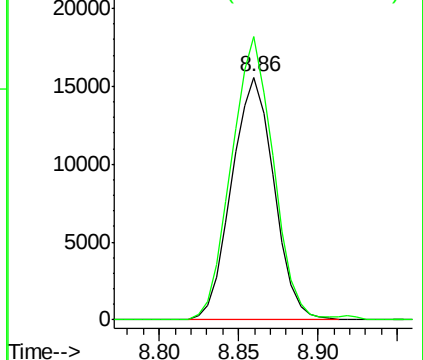


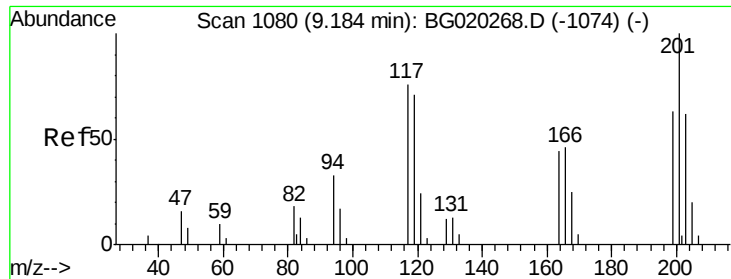
#16
4-Methylphenol
Concen: 19.91 ng/ul
RT: 8.86 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BG020277.D
Acq: 18 Dec 2015 16:17

Tgt Ion: 108 Resp: 28827
Ion Ratio Lower Upper
108 100
107 116.7 88.9 133.3



Abundance Ion 108.00 (107.70 to 108.70): BG020277.D (-990) (-)
Ion 107.00 (106.70 to 107.70): BG020277.D (-990) (-)

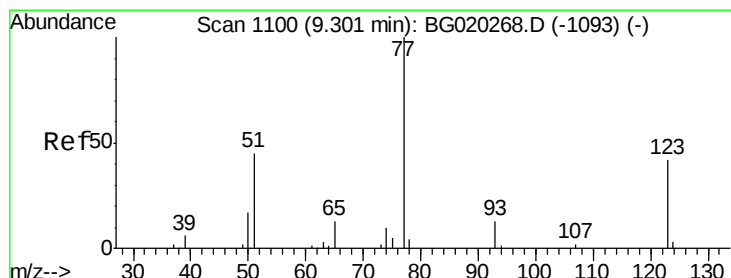
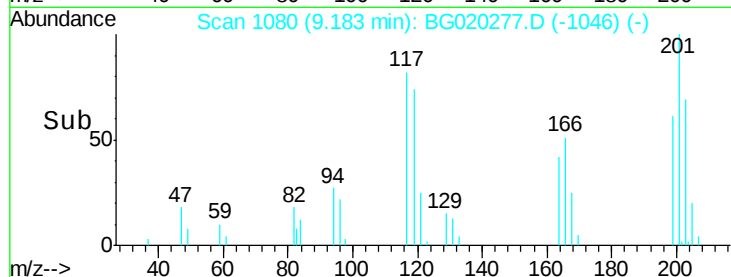
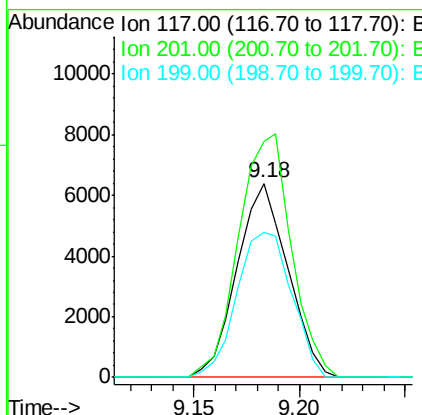
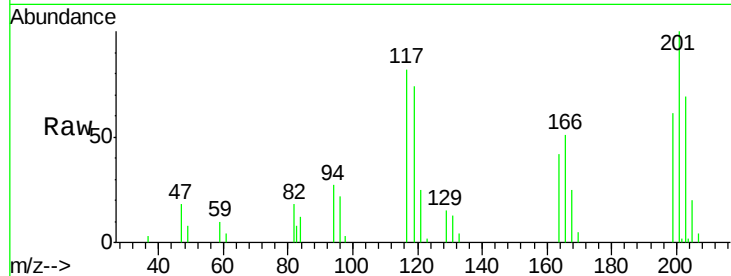




#17
 Hexachloroethane
 Concen: 20.90 ng/ul
 RT: 9.18 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: BG020277.D
 Acq: 18 Dec 2015 16:17

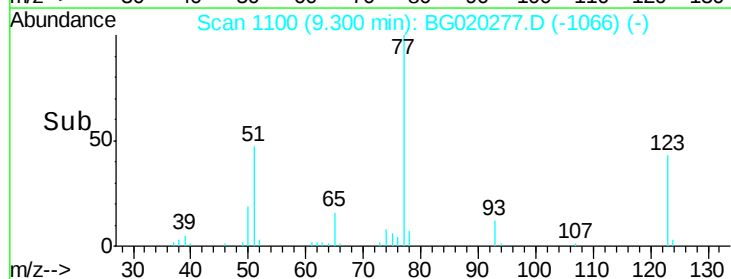
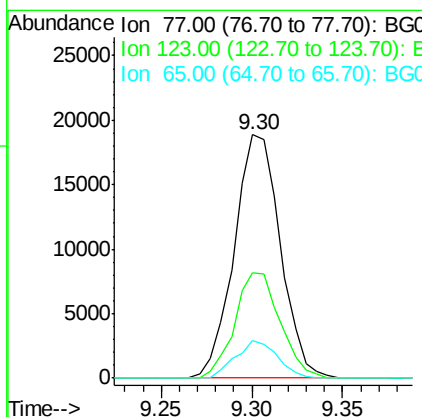
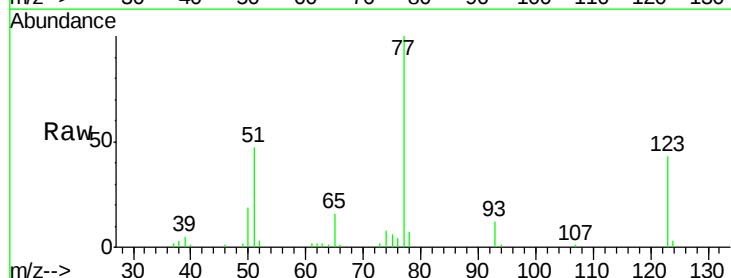
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02005

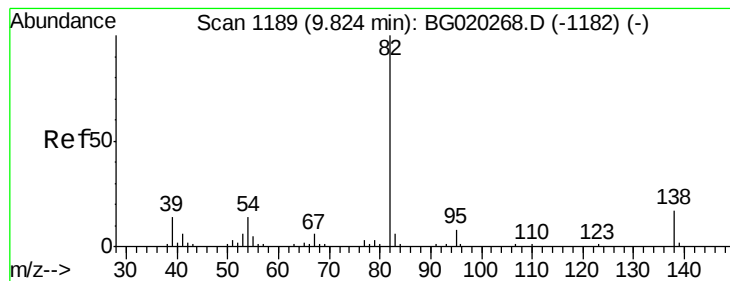
Tgt Ion: 117 Resp: 10711
 Ion Ratio Lower Upper
 117 100
 201 124.4 102.7 154.1
 199 74.9 65.8 98.8



#20
 Nitrobenzene
 Concen: 20.64 ng/ul
 RT: 9.30 min Scan# 1100
 Delta R.T. -0.00 min
 Lab File: BG020277.D
 Acq: 18 Dec 2015 16:17

Tgt Ion: 77 Resp: 33390
 Ion Ratio Lower Upper
 77 100
 123 43.2 33.4 50.0
 65 15.6 11.7 17.5





#21

Isophorone

Concen: 20.39 ng/ul

RT: 9.82 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BG020277.D

Acq: 18 Dec 2015 16:17

Instrument :

BNA_G

ClientSampleId :

SSTD02005

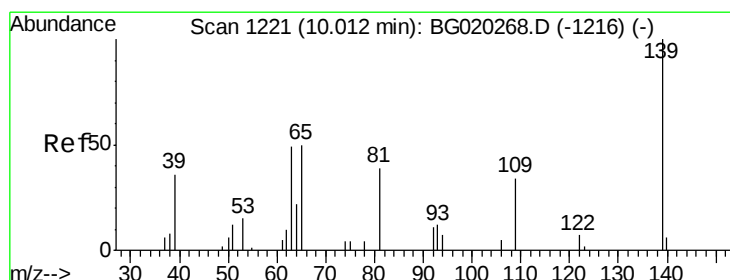
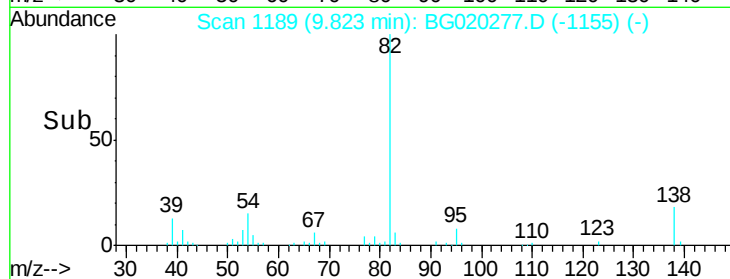
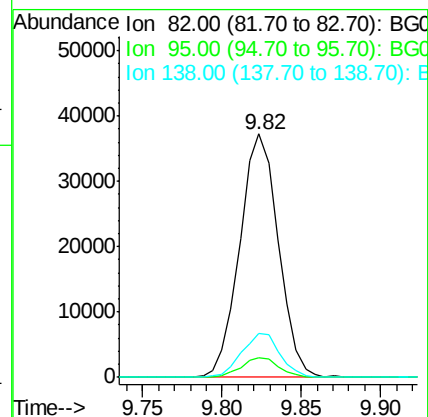
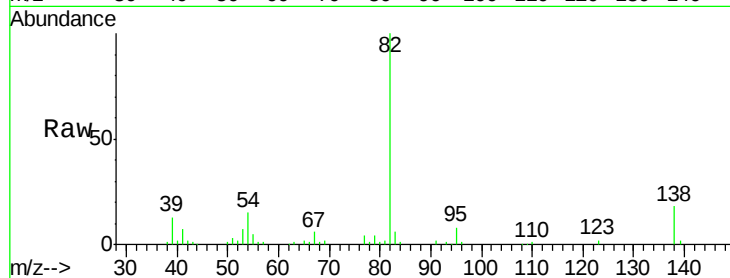
Tgt Ion: 82 Resp: 62985

Ion Ratio Lower Upper

82 100

95 8.2 6.2 9.2

138 18.2 13.4 20.2



#23

2-Nitrophenol

Concen: 22.24 ng/ul

RT: 10.02 min Scan# 1222

Delta R.T. 0.01 min

Lab File: BG020277.D

Acq: 18 Dec 2015 16:17

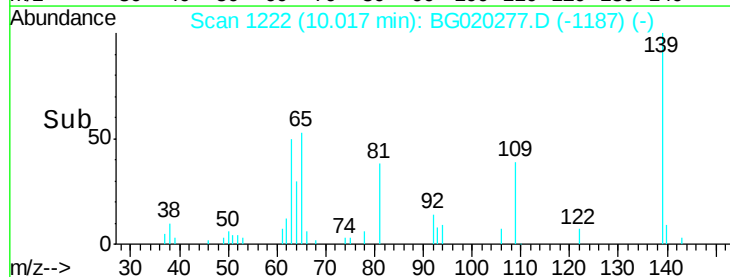
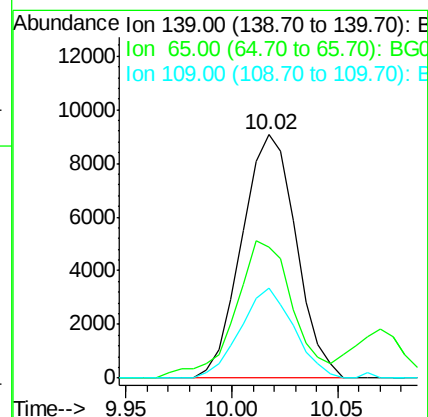
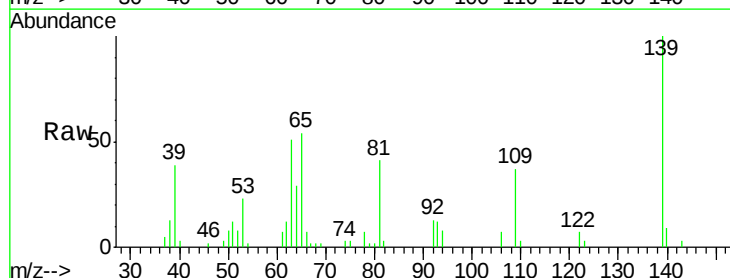
Tgt Ion: 139 Resp: 16199

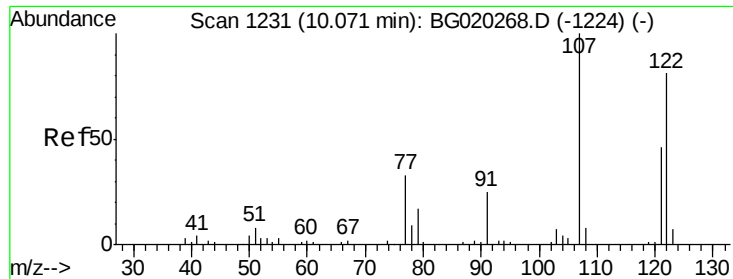
Ion Ratio Lower Upper

139 100

65 53.6 45.1 67.7

109 37.1 29.6 44.4

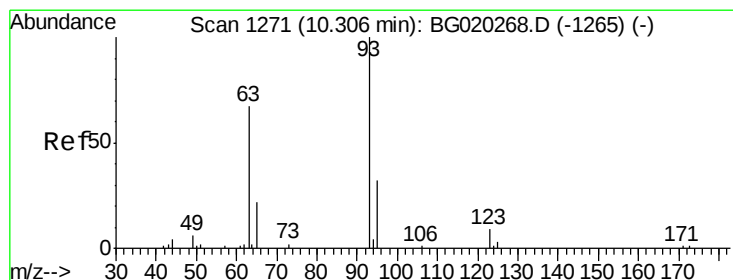
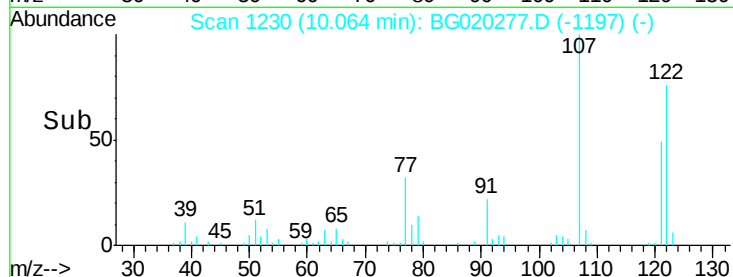
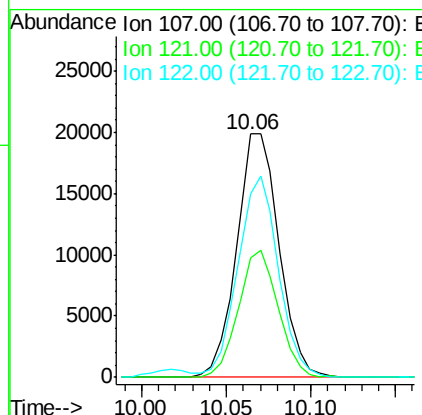
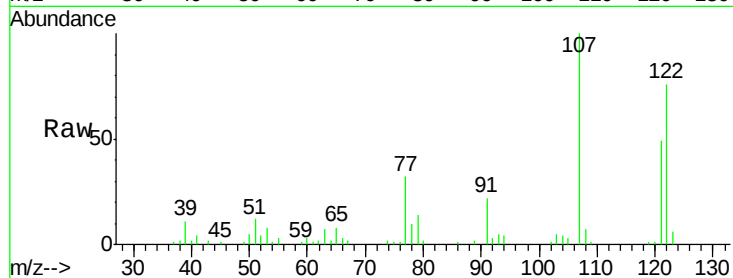




#24
 2,4-Dimethylphenol
 Concen: 20.93 ng/ul
 RT: 10.06 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BG020277.D
 Acq: 18 Dec 2015 16:17

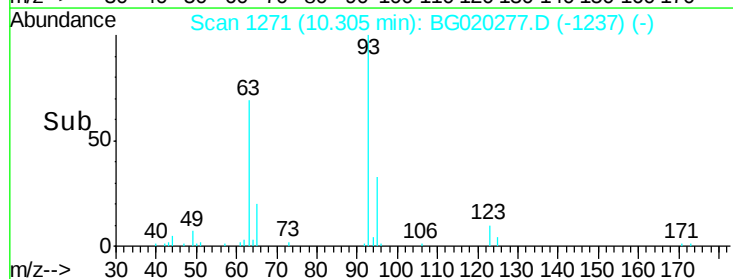
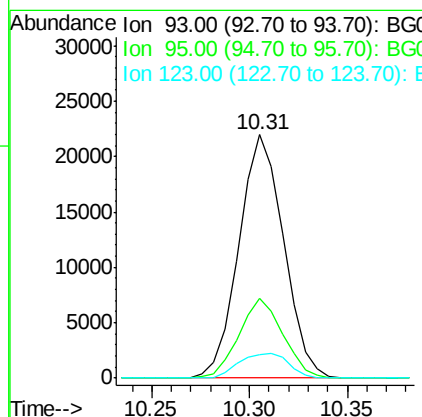
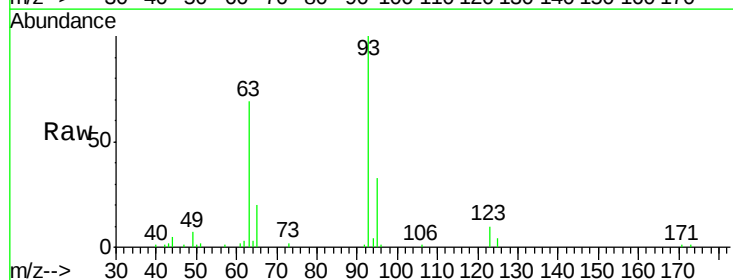
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02005

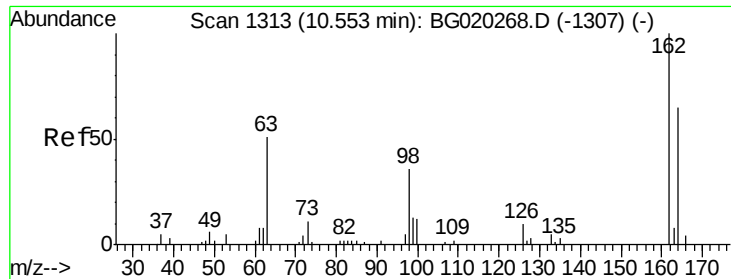
Tgt Ion: 107 Resp: 34629
 Ion Ratio Lower Upper
 107 100
 121 49.3 39.0 58.4
 122 75.6 62.1 93.1



#25
 Bis(2-Chloroethoxy)methane
 Concen: 20.81 ng/ul
 RT: 10.31 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: BG020277.D
 Acq: 18 Dec 2015 16:17

Tgt Ion: 93 Resp: 34823
 Ion Ratio Lower Upper
 93 100
 95 32.5 27.4 41.2
 123 9.7 9.4 14.0

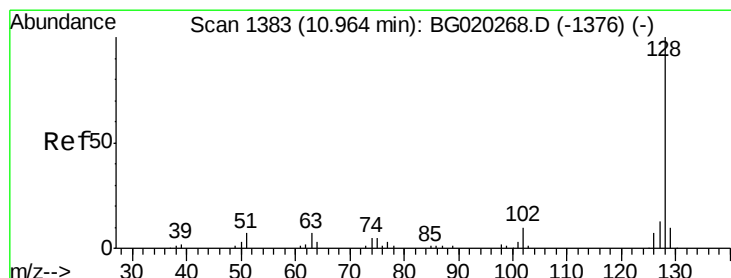
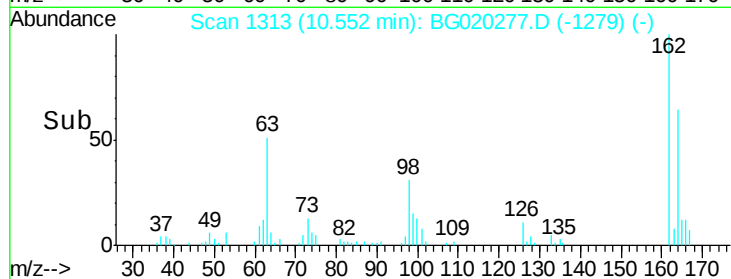
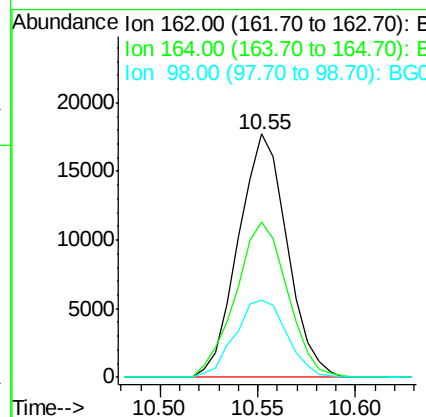
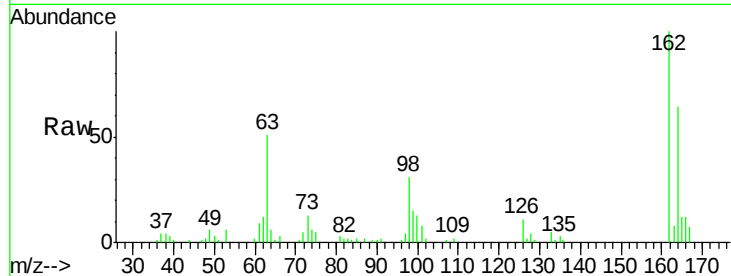




#27
 2,4-Dichlorophenol
 Concen: 21.73 ng/ul
 RT: 10.55 min Scan# 1313
 Delta R.T. -0.00 min
 Lab File: BG020277.D
 Acq: 18 Dec 2015 16:17

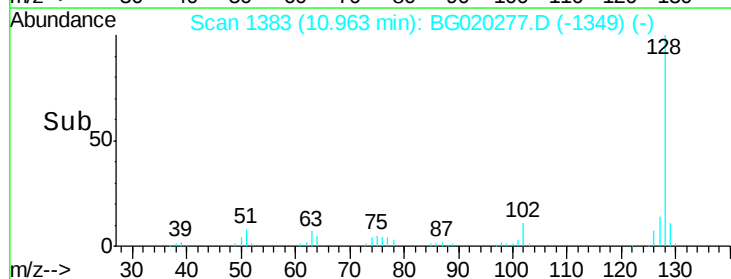
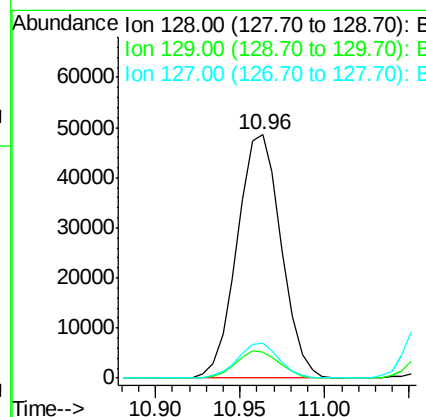
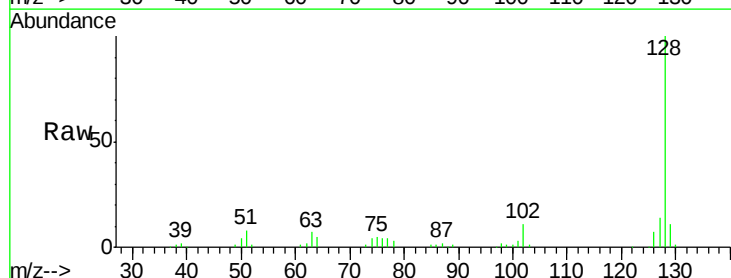
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02005

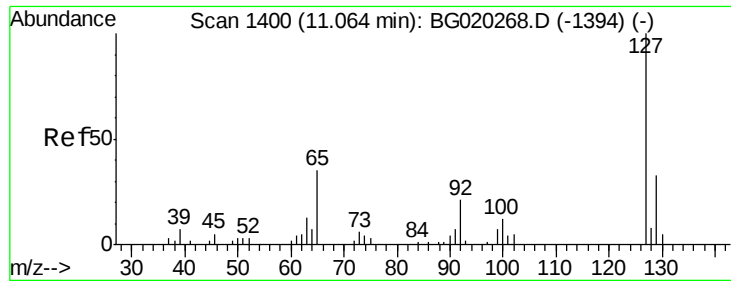
Tgt Ion:162 Resp: 30710
 Ion Ratio Lower Upper
 162 100
 164 63.6 48.2 72.2
 98 31.5 27.2 40.8



#28
 Naphthalene
 Concen: 21.49 ng/ul
 RT: 10.96 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: BG020277.D
 Acq: 18 Dec 2015 16:17

Tgt Ion:128 Resp: 87900
 Ion Ratio Lower Upper
 128 100
 129 10.5 8.6 12.8
 127 14.4 10.1 15.1

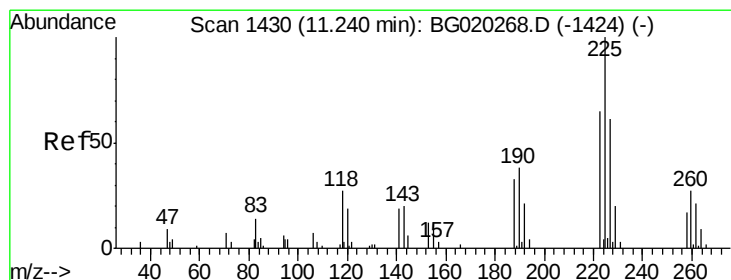
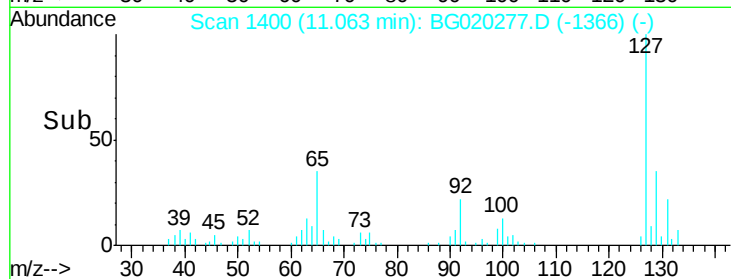
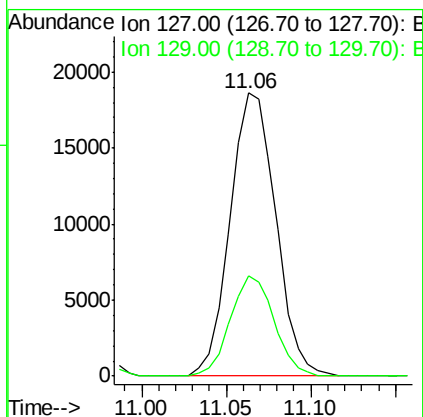
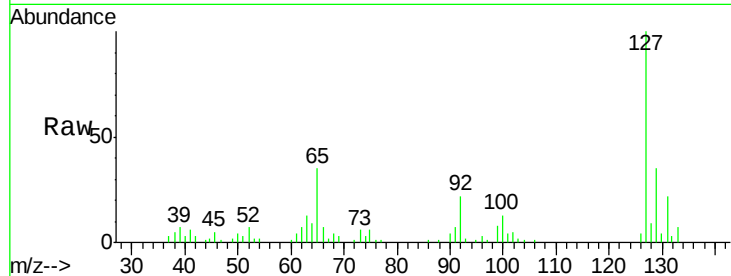




#30
4-Chloroaniline
Concen: 22.17 ng/ul
RT: 11.06 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BG020277.D
Acq: 18 Dec 2015 16:17

Instrument :
BNA_G
ClientSampleId :
SSTD02005

Tgt Ion:127 Resp: 34985
Ion Ratio Lower Upper
127 100
129 35.3 25.7 38.5



#31
Hexachlorobutadiene
Concen: 22.70 ng/ul
RT: 11.25 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BG020277.D
Acq: 18 Dec 2015 16:17

Tgt Ion:225 Resp: 23916
Ion Ratio Lower Upper
225 100
223 62.2 47.0 70.6
227 63.1 49.7 74.5

