Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080216\
Data File : BG023413.D
Acq On : 3 Aug 2016 2:22
Operator : UM/SJ
Sample : H4288-09MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-65-14.0-15.0MS

Quant Time: Aug 03 03:08:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 19:22:14 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	111699	20.00	ng		0.00
21) Naphthalene-d8	10.96	136	588519	20.00	ng		0.00
38) Acenaphthene-d10	14.79	164	455912	20.00	ng		0.00
63) Phenanthrene-d10	17.54	188	1170950	20.00	ng		0.00
75) Chrysene-d12	21.86	240	977617	20.00	ng		0.00
86) Perylene-d12	25.24	264	1022054	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.66	112	1073494	161.77	ng		0.00
7) Phenol-d6	7.28	99	1730176	167.40	ng		0.00
23) Nitrobenzene-d5	9.30	82	1162103	98.17	ng		0.00
41) 2,4,6-Tribromophenol	16.28	330	1074155	161.08	ng		0.00
44) 2-Fluorobiphenyl	13.40	172	2284754	84.53	ng		0.00
78) Terphenyl-d14	20.15	244	3035867	100.72	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.52	88	88097	31.16	ng	#	94
3) Pyridine	3.93	79	296152	31.88	ng		96
4) n-Nitrosodimethylamine	3.84	42	161763	46.96	ng	#	76
6) Aniline	7.44	93	733482	49.12	ng		95
8) 2-Chlorophenol	7.68	128	431691	56.63	ng		94
9) Benzaldehyde	7.25	77	257953	45.46	ng		95
10) Phenol	7.31	94	673557	60.92	ng		85
11) bis(2-Chloroethyl)ether	7.53	93	429594	48.71	ng		93
12) 1,3-Dichlorobenzene	8.01	146	377667	43.27	ng		93
13) 1,4-Dichlorobenzene	8.15	146	394424	44.14	ng		94
14) 1,2-Dichlorobenzene	8.48	146	384582	43.88	ng		95
15) Benzyl Alcohol	8.36	79	546998	69.85	ng		93
16) 2,2'-oxybis(1-Chloropropan	8.65	45	594407	45.83	ng		91
17) 2-Methylphenol	8.57	107	449203	60.60	ng	#	87
18) Hexachloroethane	9.21	117	145079	43.14	ng		95
19) n-Nitroso-di-n-propylamine	8.93	70	482990	54.33	ng		97
20) 3+4-Methylphenols	8.90	107	650527	62.25	ng		90
22) Acetophenone	8.95	105	670756	41.63	ng	#	92
24) Nitrobenzene	9.34	77	665285	50.75	ng	#	89
25) Isophorone	9.86	82	1291179	52.36	ng	#	94
26) 2-Nitrophenol	10.06	139	290895	52.58	ng	#	83
27) 2,4-Dimethylphenol	10.12	122	511103	54.25	ng		88
28) bis(2-Chloroethoxy)methane	10.35	93	718683	48.49	ng		99
29) 2,4-Dichlorophenol	10.60	162	550382	58.10	ng		98
30) 1,2,4-Trichlorobenzene	10.81	180	469808	45.99	ng		96
31) Naphthalene	11.00	128	1384309	46.19	ng		98
32) Benzoic acid	10.22	122	95711	16.00	ng		94
33) 4-Chloroaniline	11.11	127	574301	40.09	ng		92
34) Hexachlorobutadiene	11.28	225	297233	44.24	ng		97
35) Caprolactam	11.96	113	92622	23.24	ng		96
36) 4-Chloro-3-methylphenol	12.24	107	699245	56.19	ng		92
37) 2-Methylnaphthalene	12.61	142	1124714	49.36	ng		94
39) 1,2,4,5-Tetrachlorobenzene	12.98	216	560713	33.91	ng		98
40) Hexachlorocyclopentadiene	12.95	237	733528	87.99	ng		94

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080216\
Data File : BG023413.D
Acq On : 3 Aug 2016 2:22
Operator : UM/SJ
Sample : H4288-09MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-65-14.0-15.0MS

Quant Time: Aug 03 03:08:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 19:22:14 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.22	196	504196	51.19	ng		98
43) 2,4,5-Trichlorophenol	13.29	196	536793	52.94	ng	#	95
45) 1,1'-Biphenyl	13.61	154	1384761	39.73	ng		96
46) 2-Chloronaphthalene	13.66	162	1222891	45.36	ng		97
47) 2-Nitroaniline	13.87	65	579214	51.74	ng	#	87
48) Acenaphthylene	14.51	152	1977536	46.40	ng		96
49) Dimethylphthalate	14.23	163	2149992	61.47	ng	#	94
50) 2,6-Dinitrotoluene	14.36	165	420964	50.82	ng		84
51) Acenaphthene	14.85	154	1278058	47.34	ng		98
52) 3-Nitroaniline	14.70	138	432505	46.30	ng		79
53) 2,4-Dinitrophenol	14.90	184	369429	69.57	ng		93
54) Dibenzofuran	15.19	168	1979004	50.49	ng		99
55) 4-Nitrophenol	15.02	139	694730	94.69	ng	#	85
56) 2,4-Dinitrotoluene	15.15	165	632154	54.37	ng		94
57) Fluorene	15.84	166	1668456	48.77	ng		97
58) 2,3,4,6-Tetrachlorophenol	15.41	232	561593	60.36	ng		95
59) Diethylphthalate	15.59	149	1824351	51.38	ng		95
60) 4-Chlorophenyl-phenylether	15.82	204	875165	48.34	ng		97
61) 4-Nitroaniline	15.87	138	499110	50.19	ng	#	67
62) Azobenzene	16.12	77	1944251	54.02	ng		90
64) 4,6-Dinitro-2-methylphenol	15.92	198	387708	48.70	ng		95
65) n-Nitrosodiphenylamine	16.04	169	1597662	46.52	ng		93
66) 4-Bromophenyl-phenylether	16.72	248	670232	49.11	ng		95
67) Hexachlorobenzene	16.84	284	714572	47.86	ng		99
68) Atrazine	16.99	200	693738	52.60	ng		97
69) Pentachlorophenol	17.19	266	871919	100.17	ng		96
70) Phenanthrene	17.59	178	2669715	44.93	ng	#	90
71) Anthracene	17.68	178	2733845	45.75	ng		92
72) Carbazole	17.95	167	2557077	48.73	ng	#	93
73) Di-n-butylphthalate	18.49	149	2809618	54.40	ng		96
74) Fluoranthene	19.60	202	2891798	53.35	ng		91
76) Benzidine	19.78	184	1775553	65.33	ng		97
77) Pyrene	19.96	202	2879089	53.71	ng		93
79) Butylbenzylphthalate	20.84	149	1196120	50.81	ng		95
80) Benzo(a)anthracene	21.84	228	2522922	46.75	ng		97
81) 3,3'-Dichlorobenzidine	21.75	252	848309	38.33	ng	#	98
82) Chrysene	21.91	228	2365548	46.07	ng		95
83) Bis(2-ethylhexyl)phthalate	21.72	149	1568318	48.65	ng		98
84) Di-n-octyl phthalate	22.98	149	2628725	47.78	ng		100
85) Indeno(1,2,3-cd)pyrene	29.11	276	3334890	51.98	ng	#	100
87) Benzo(b)fluoranthene	24.16	252	2756463	47.93	ng	#	95
88) Benzo(k)fluoranthene	24.23	252	2592174	46.93	ng	#	95
89) Benzo(a)pyrene	25.08	252	2672501	48.87	ng	#	97
90) Dibenzo(a,h)anthracene	29.18	278	2736502	48.98	ng	#	92
91) Benzo(g,h,i)perylene	30.33	276	2762624	49.11	ng	#	95

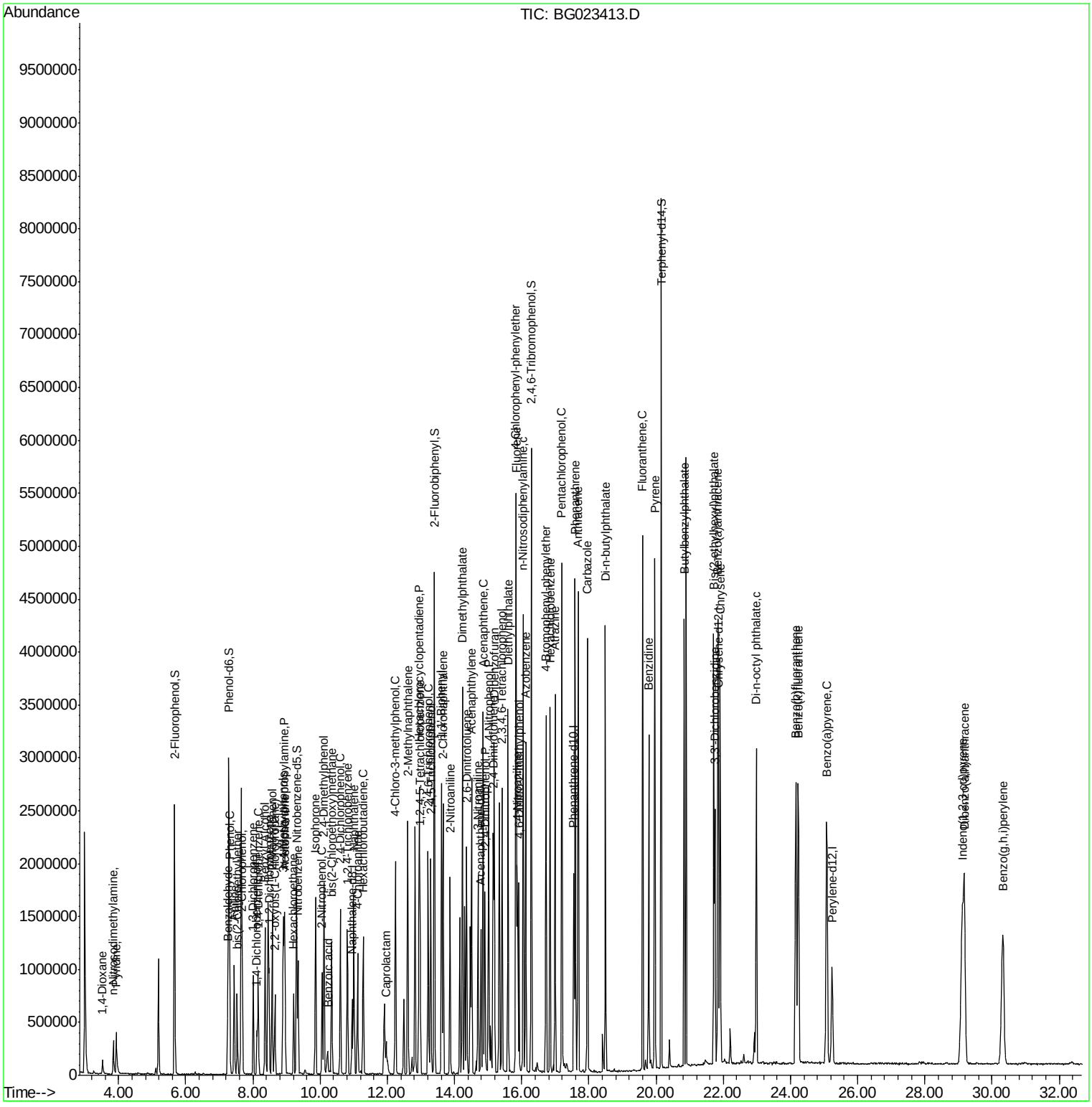
(#) = qualifier out of range (m) = manual integration (+) = signals summed

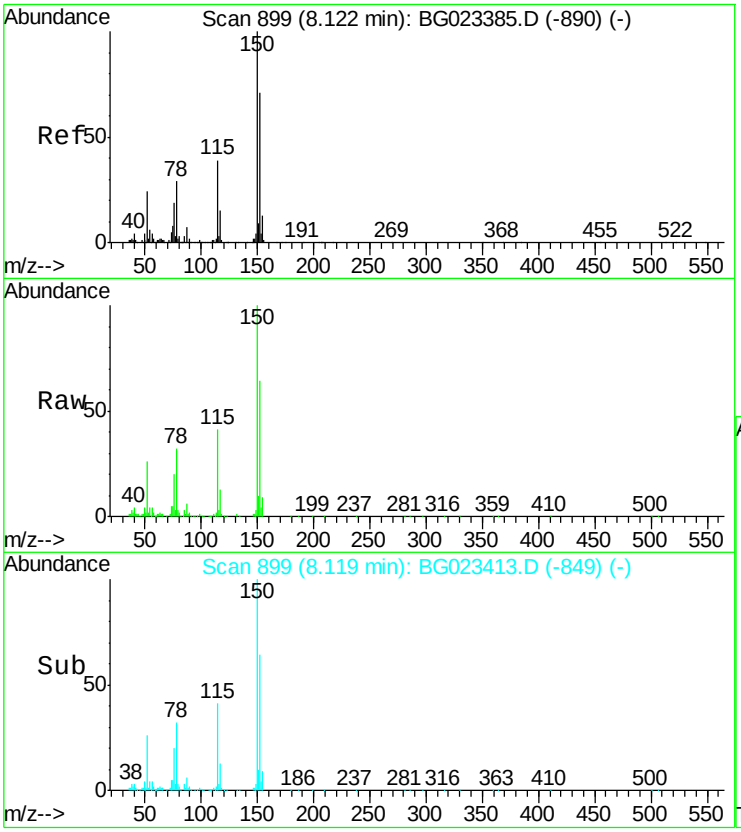
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080216\
Data File : BG023413.D
Acq On : 3 Aug 2016 2:22
Operator : UM/SJ
Sample : H4288-09MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Quant Time: Aug 03 03:08:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 19:22:14 2016
Response via : Initial Calibration



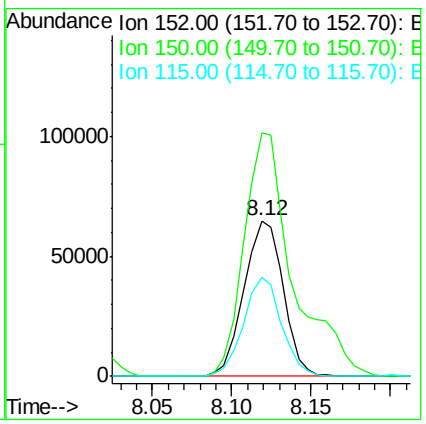


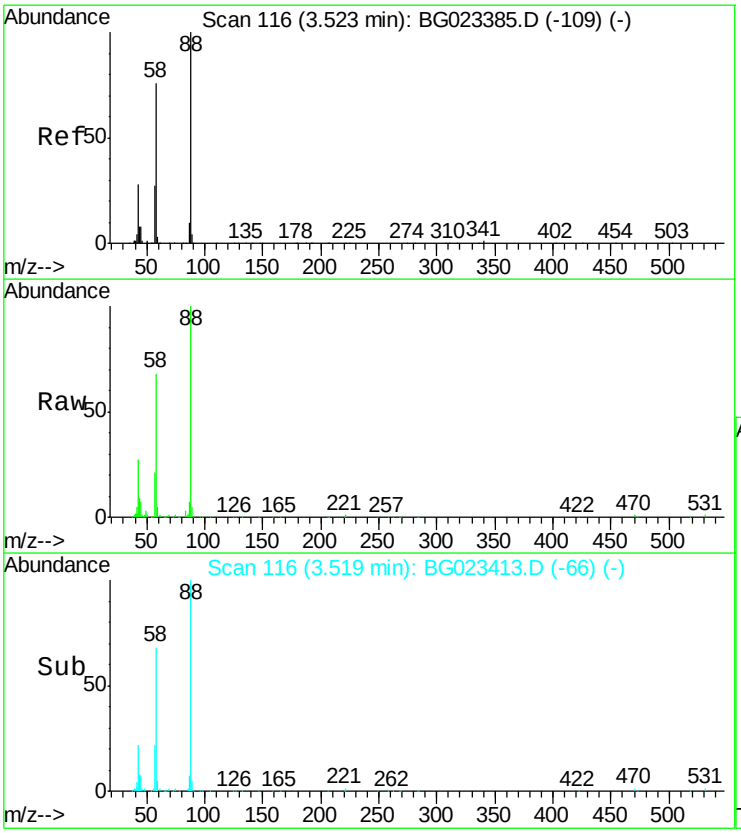
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.12 min Scan# 899
Delta R.T. -0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion:152 Resp: 111699

Ion	Ratio	Lower	Upper
152	100		
150	156.2	144.7	217.1
115	63.4	64.0	96.0#

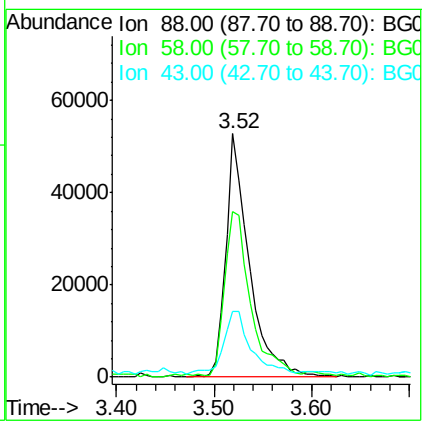


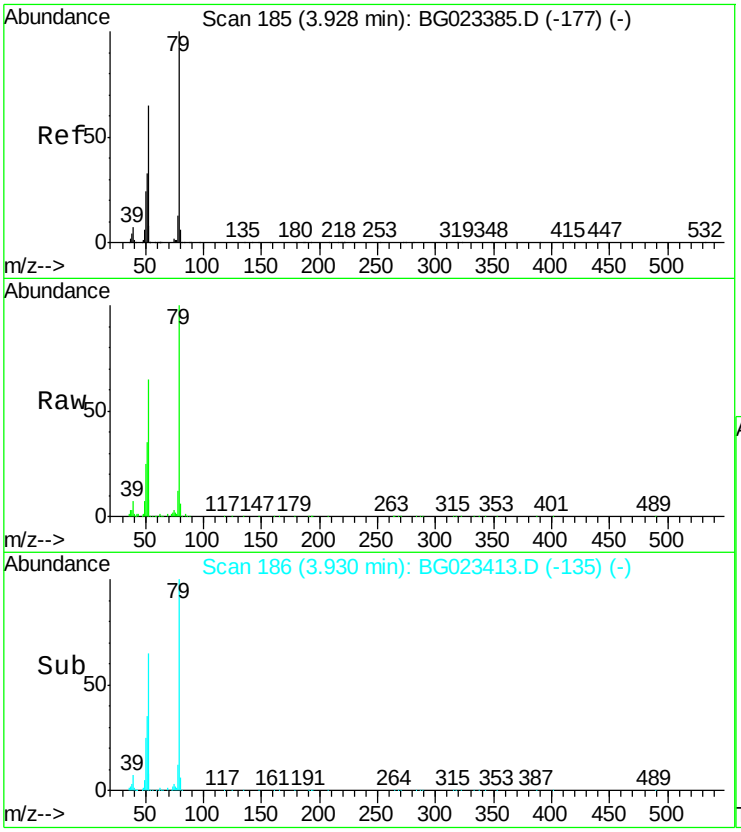


#2
1,4-Dioxane
Concen: 31.16 ng
RT: 3.52 min Scan# 116
Delta R.T. -0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion: 88 Resp: 88097

Ion	Ratio	Lower	Upper
88	100		
58	74.5	60.4	90.6
43	30.3	31.1	46.7#



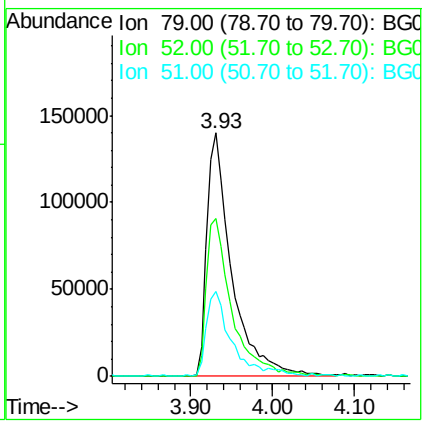


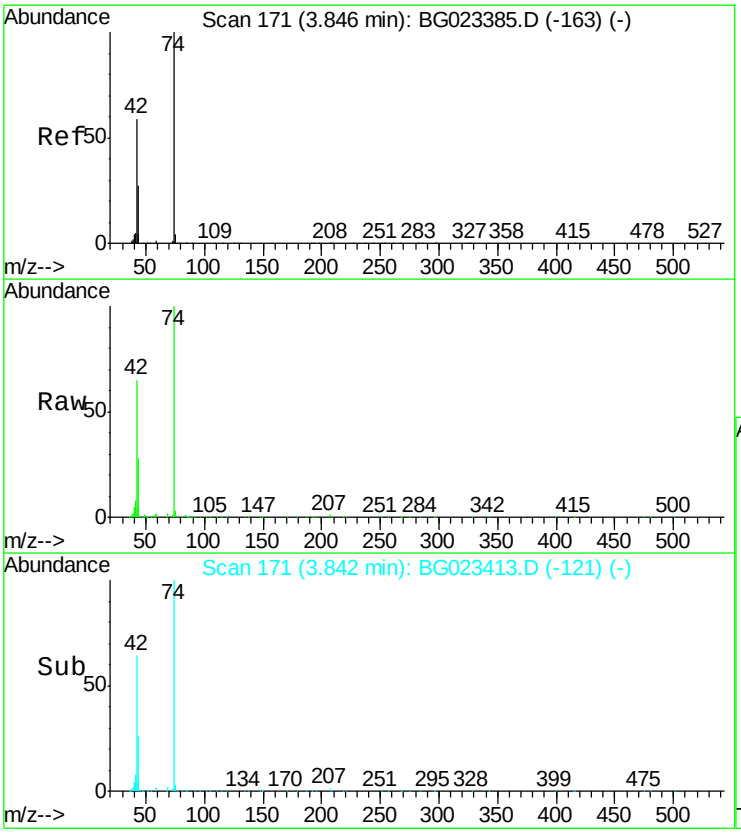
#3
Pyridine
Concen: 31.88 ng
RT: 3.93 min Scan# 186
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion: 79 Resp: 296152

Ion	Ratio	Lower	Upper
79	100		
52	65.0	51.8	77.8
51	35.0	32.7	49.1

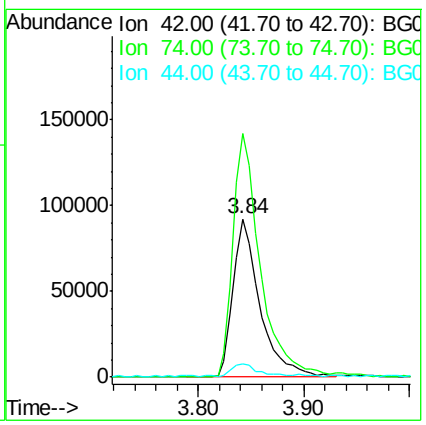


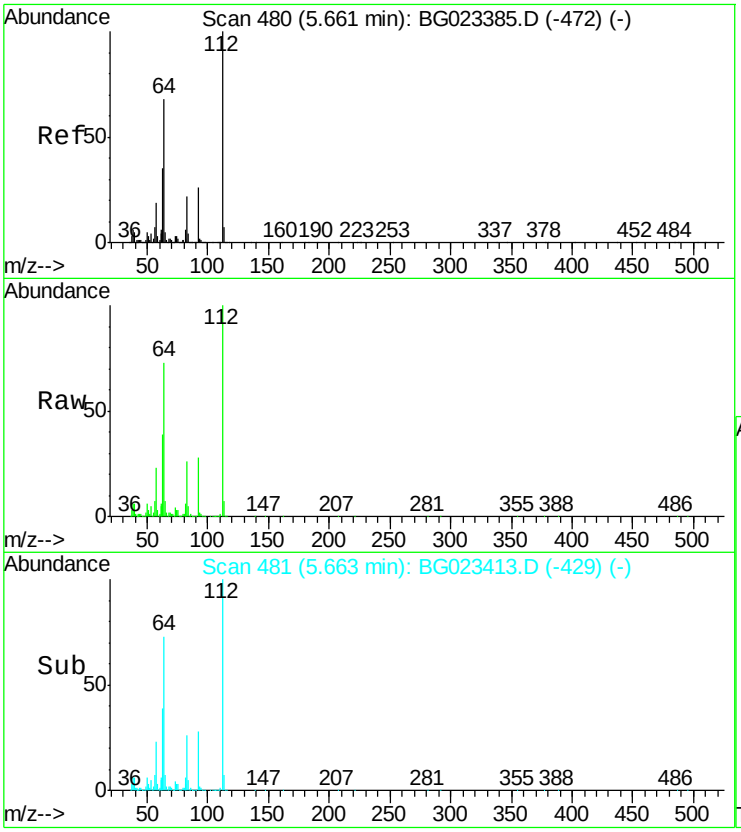


#4
n-Nitrosodimethylamine
Concen: 46.96 ng
RT: 3.84 min Scan# 171
Delta R.T. -0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion: 42 Resp: 161763

Ion	Ratio	Lower	Upper
42	100		
74	154.0	100.6	150.8#
44	8.3	4.5	6.7#



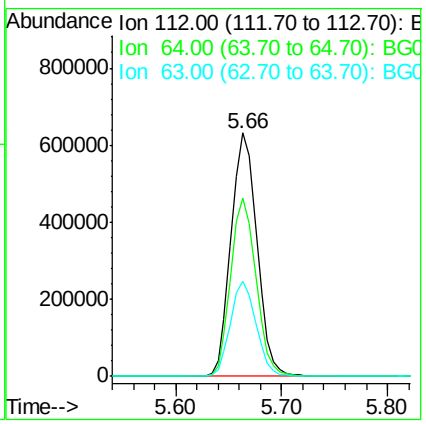


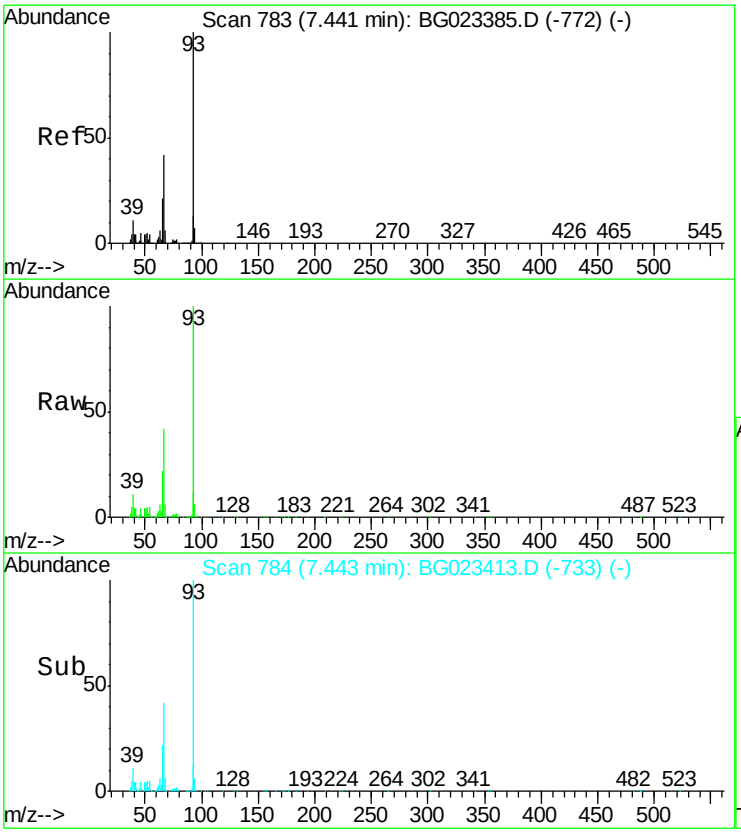
#5
2-Fluorophenol
Concen: 161.77 ng
RT: 5.66 min Scan# 481
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion:112 Resp: 1073494

Ion	Ratio	Lower	Upper
112	100		
64	73.1	59.0	88.4
63	39.3	37.8	56.8

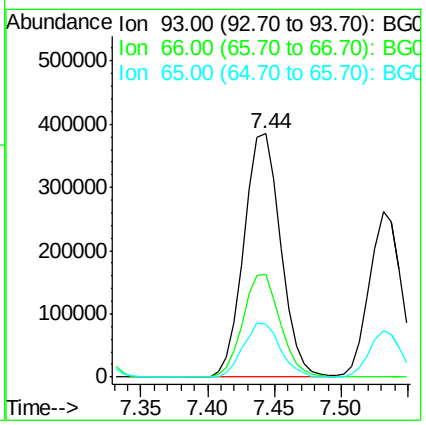


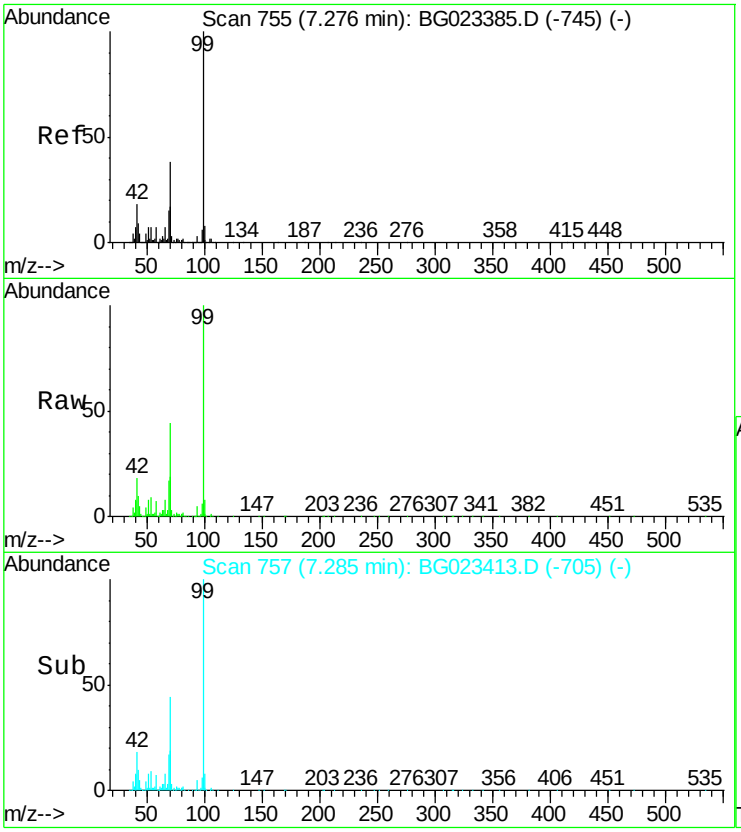


#6
Aniline
Concen: 49.12 ng
RT: 7.44 min Scan# 784
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion: 93 Resp: 733482

Ion	Ratio	Lower	Upper
93	100		
66	42.0	37.5	56.3
65	21.8	17.9	26.9



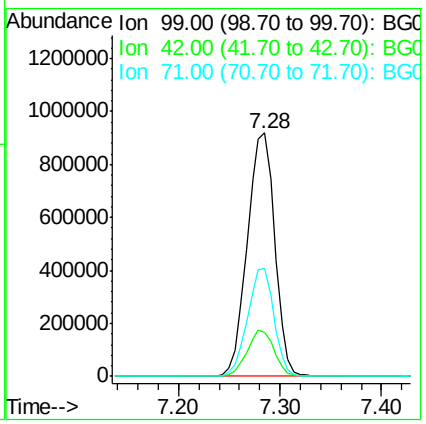


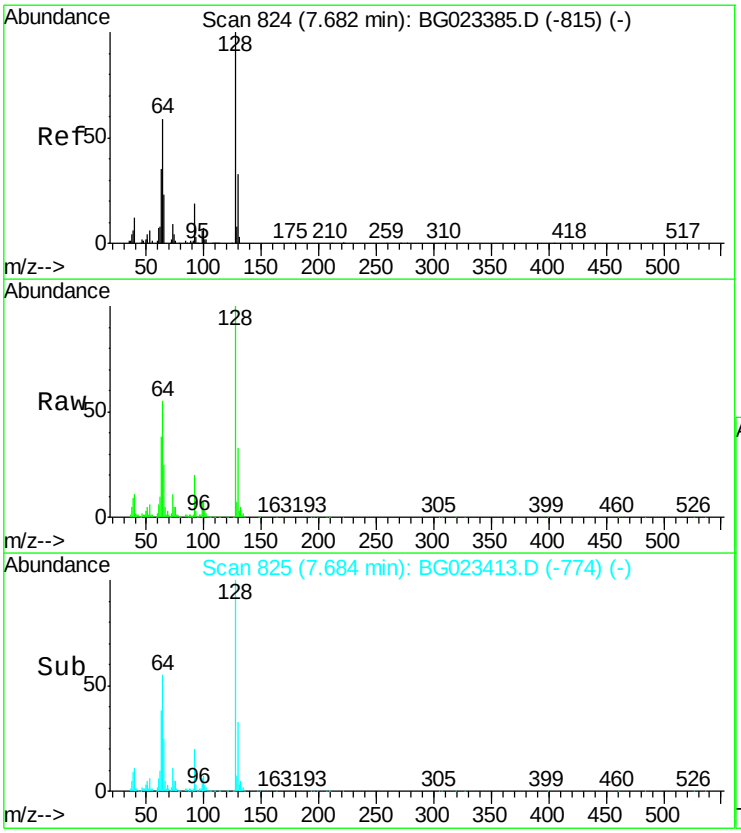
#7
Phenol-d6
Concen: 167.40 ng
RT: 7.28 min Scan# 757
Delta R.T. 0.01 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion: 99 Resp: 1730176

Ion	Ratio	Lower	Upper
99	100		
42	18.1	17.8	26.6
71	44.2	41.5	62.3

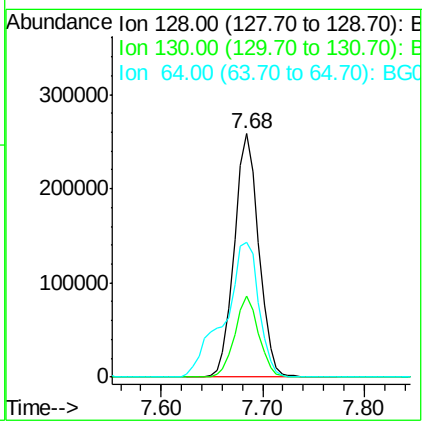


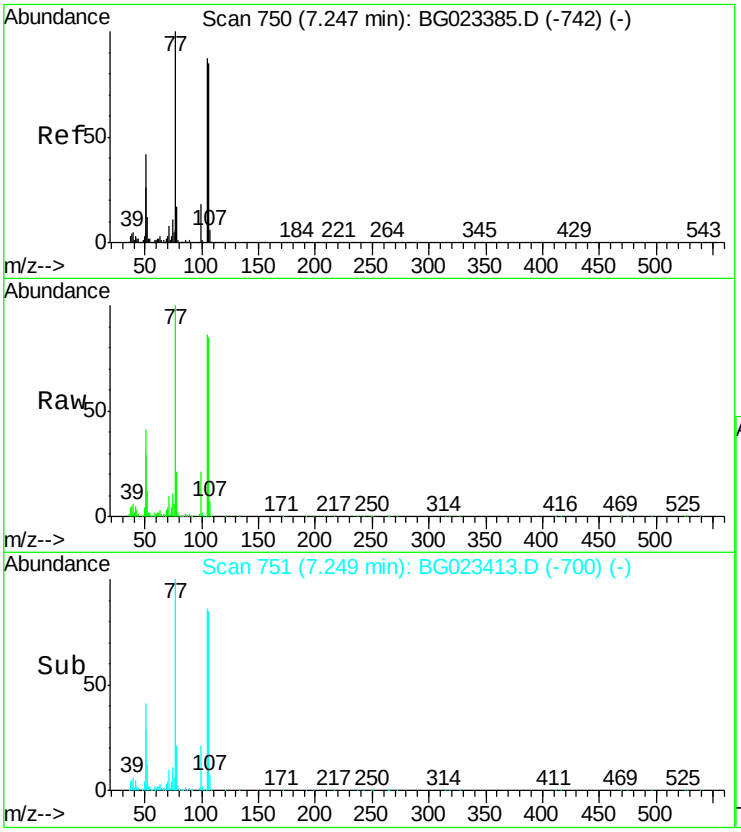


#8
2-Chlorophenol
Concen: 56.63 ng
RT: 7.68 min Scan# 825
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion:128 Resp: 431691

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.9	52.9
64	55.4	42.0	82.0



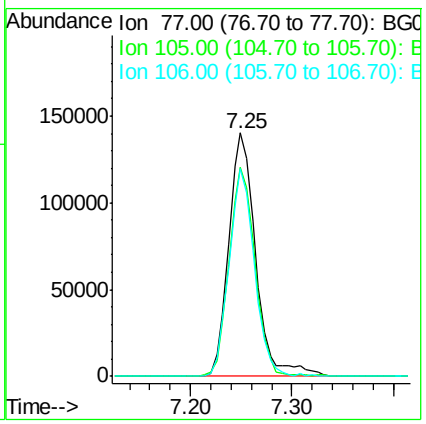


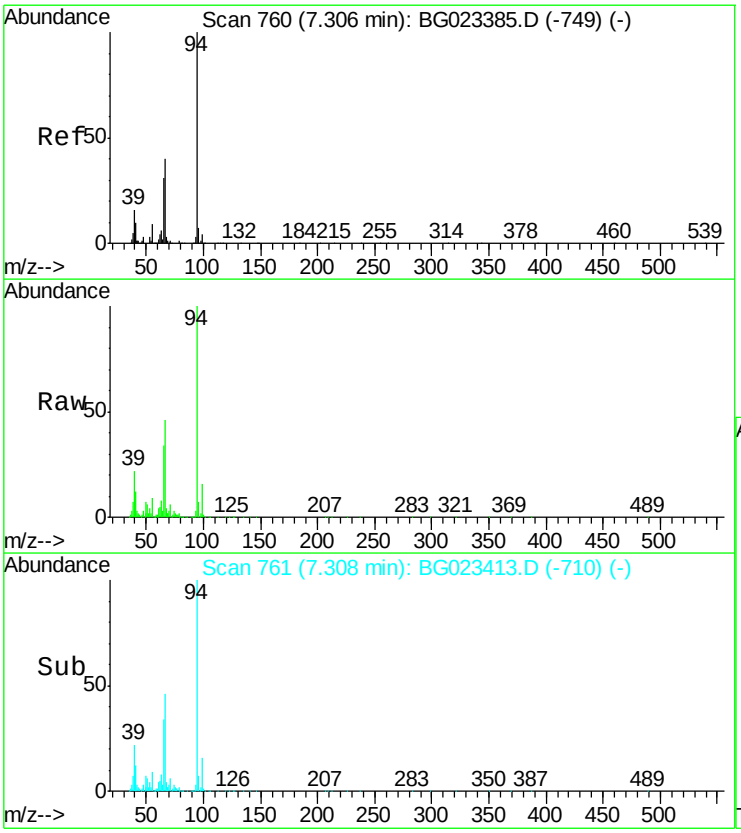
#9
Benzaldehyde
Concen: 45.46 ng
RT: 7.25 min Scan# 751
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion: 77 Resp: 257953

Ion	Ratio	Lower	Upper
77	100		
105	85.9	58.7	98.7
106	85.2	67.5	107.5

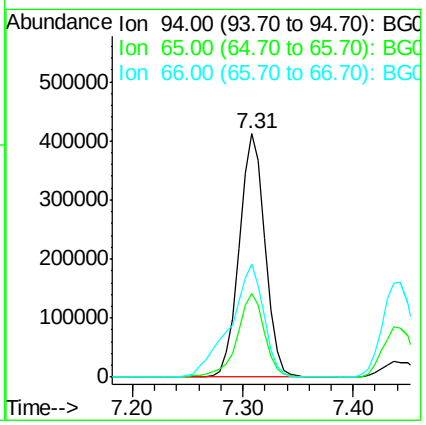


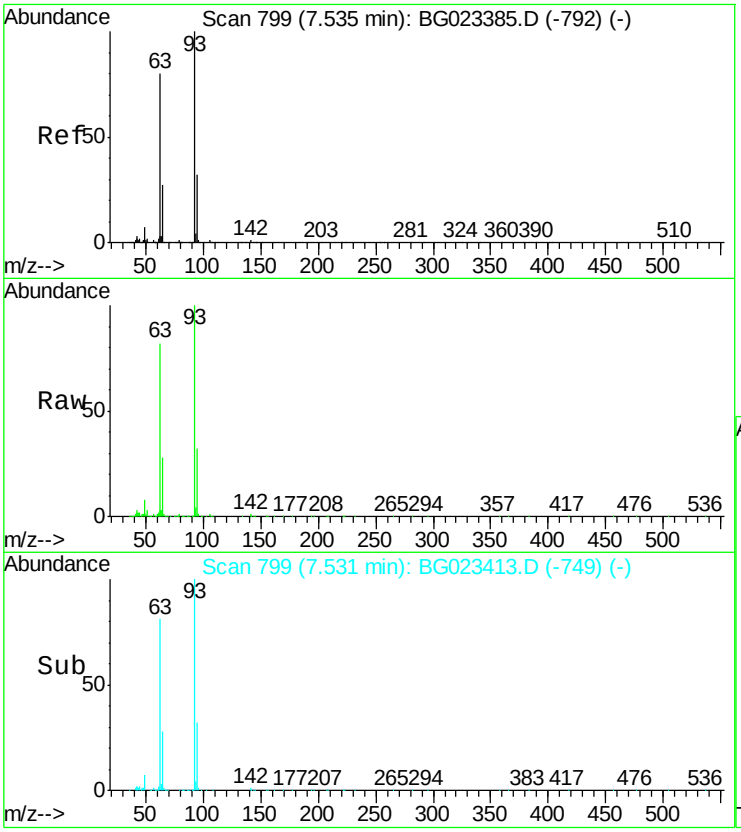


#10
Phenol
Concen: 60.92 ng
RT: 7.31 min Scan# 761
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion: 94 Resp: 673557

Ion	Ratio	Lower	Upper
94	100		
65	34.2	18.1	58.1
66	46.3	42.1	82.1



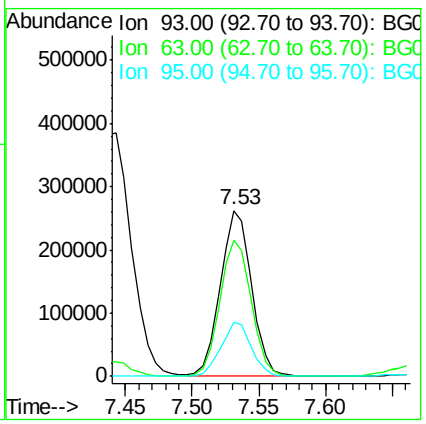


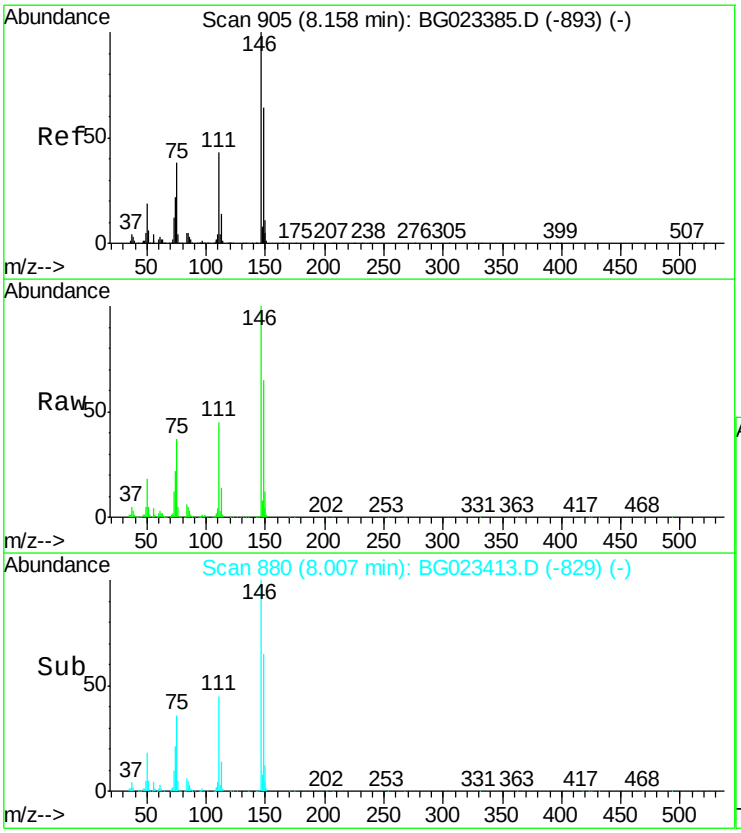
#11
bis(2-Chloroethyl)ether
Concen: 48.71 ng
RT: 7.53 min Scan# 799
Delta R.T. -0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion: 93 Resp: 429594

Ion	Ratio	Lower	Upper
93	100		
63	82.3	55.0	95.0
95	32.2	11.0	51.0

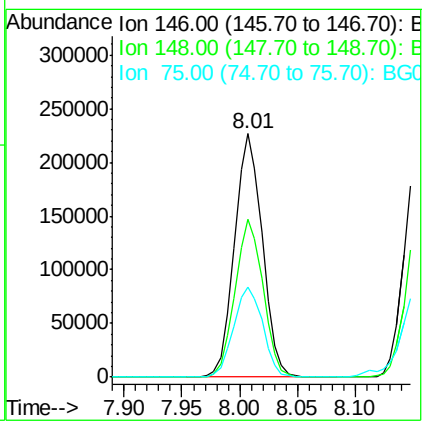


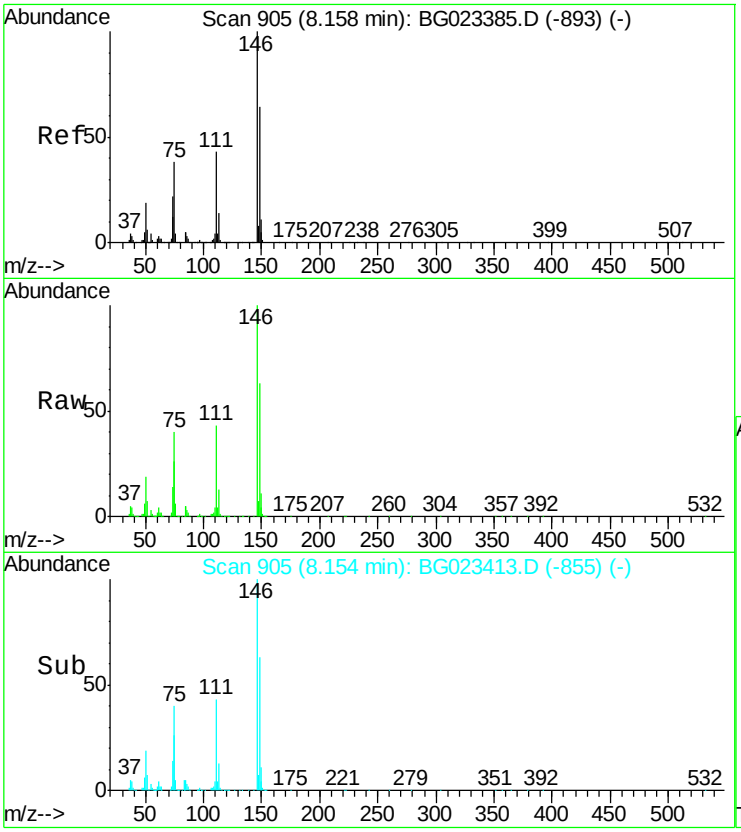


#12
1,3-Dichlorobenzene
Concen: 43.27 ng
RT: 8.01 min Scan# 880
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion:146 Resp: 377667

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.3	75.5
75	37.1	37.0	55.6



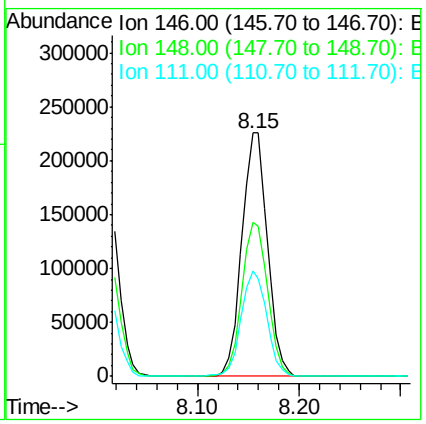


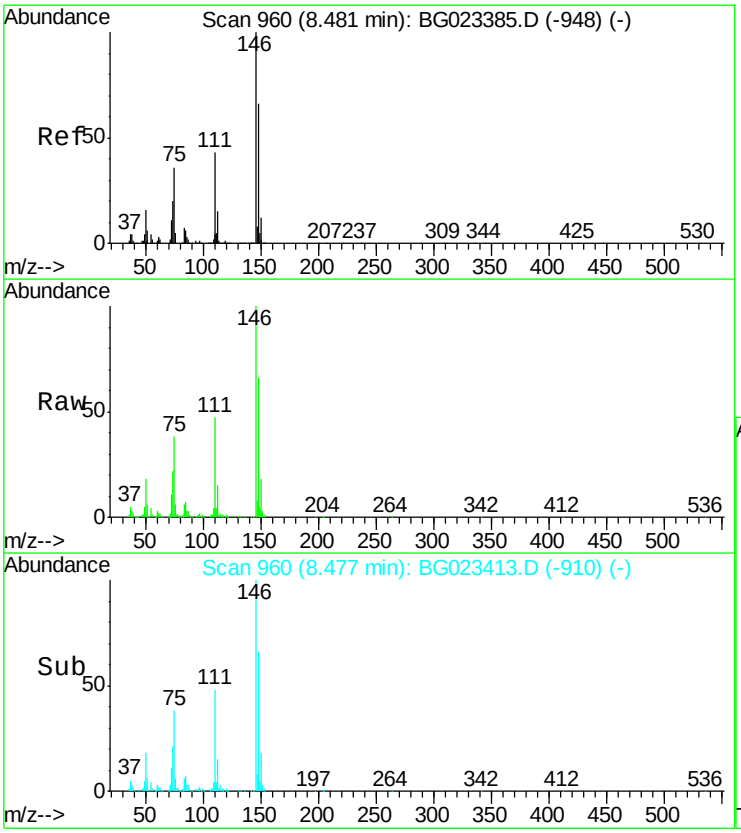
#13
1,4-Dichlorobenzene
Concen: 44.14 ng
RT: 8.15 min Scan# 905
Delta R.T. -0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion:146 Resp: 394424

Ion	Ratio	Lower	Upper
146	100		
148	63.3	54.5	81.7
111	43.2	37.8	56.8

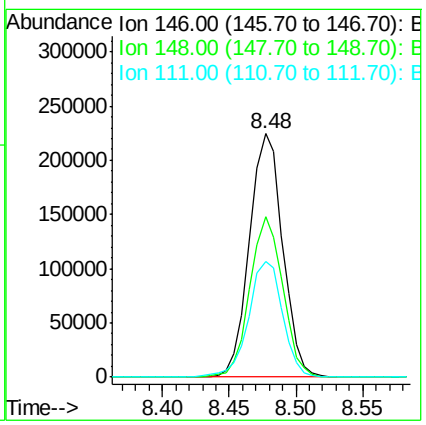


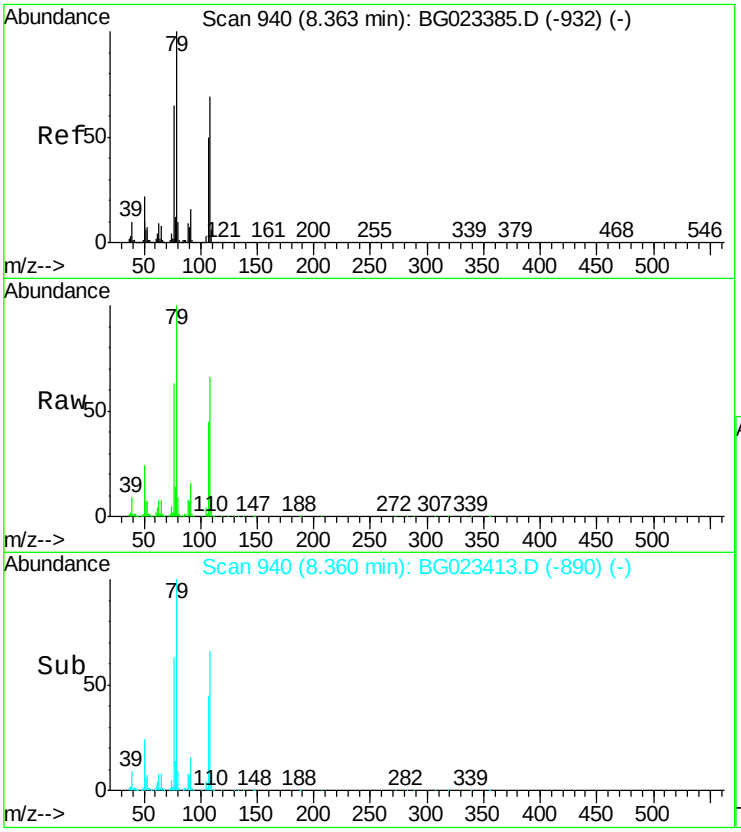


#14
1,2-Dichlorobenzene
Concen: 43.88 ng
RT: 8.48 min Scan# 960
Delta R.T. -0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion:146 Resp: 384582

Ion	Ratio	Lower	Upper
146	100		
148	65.8	52.9	79.3
111	47.4	43.5	65.3



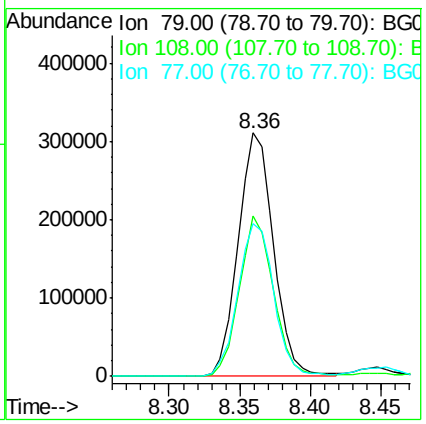


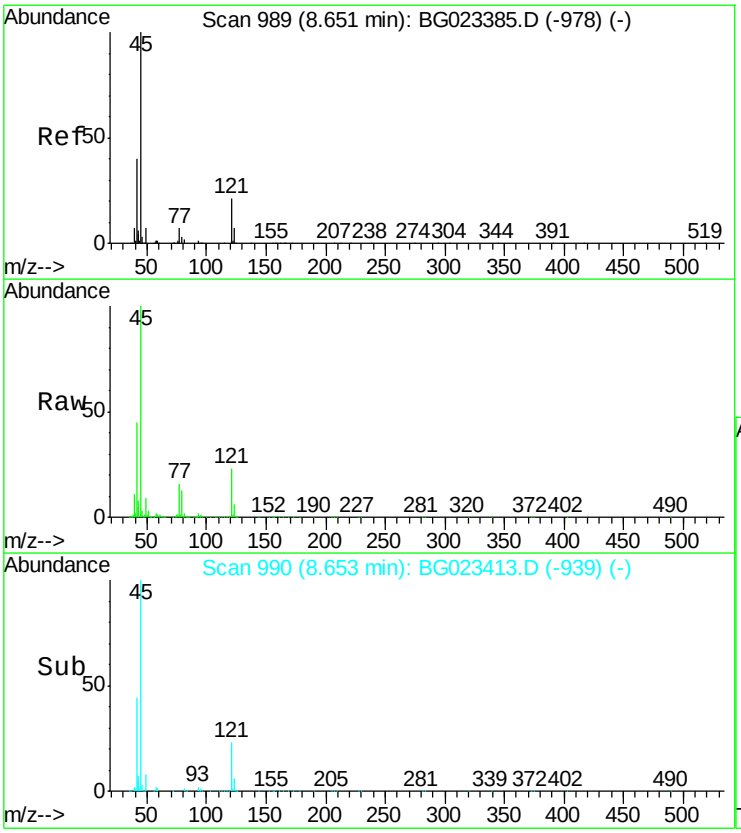
#15
Benzyl Alcohol
Concen: 69.85 ng
RT: 8.36 min Scan# 940
Delta R.T. -0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion: 79 Resp: 546998

Ion	Ratio	Lower	Upper
79	100		
108	66.1	46.5	69.7
77	63.0	52.3	78.5

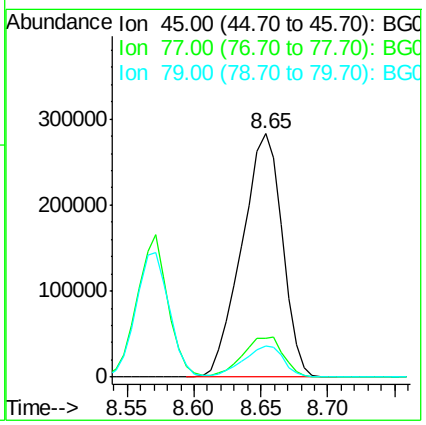


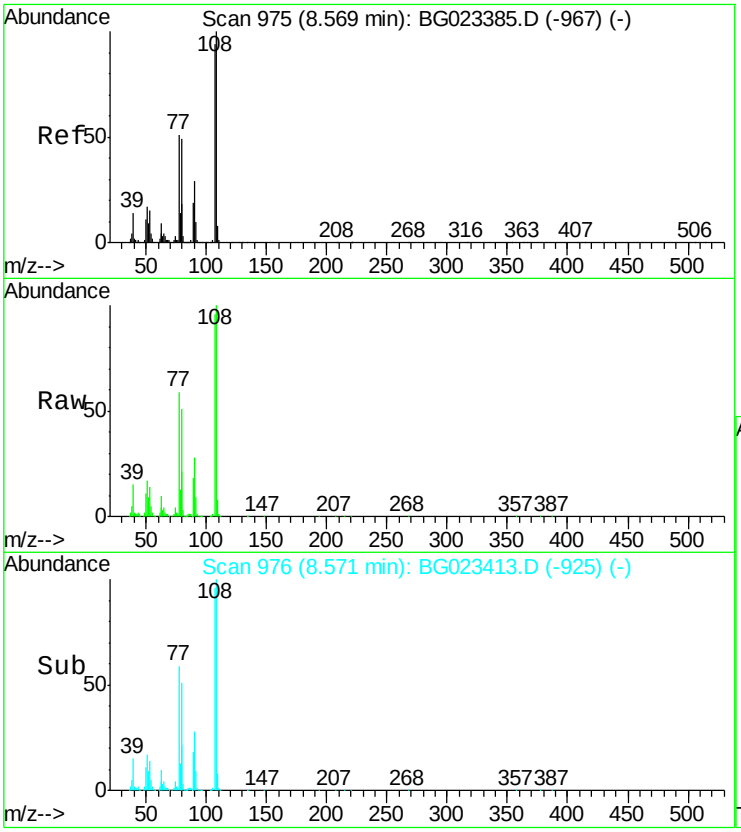


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.83 ng
RT: 8.65 min Scan# 990
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion: 45 Resp: 594407

Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.6	40.6
79	12.6	0.0	36.2



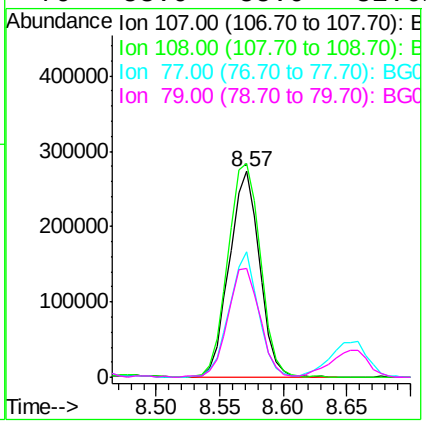


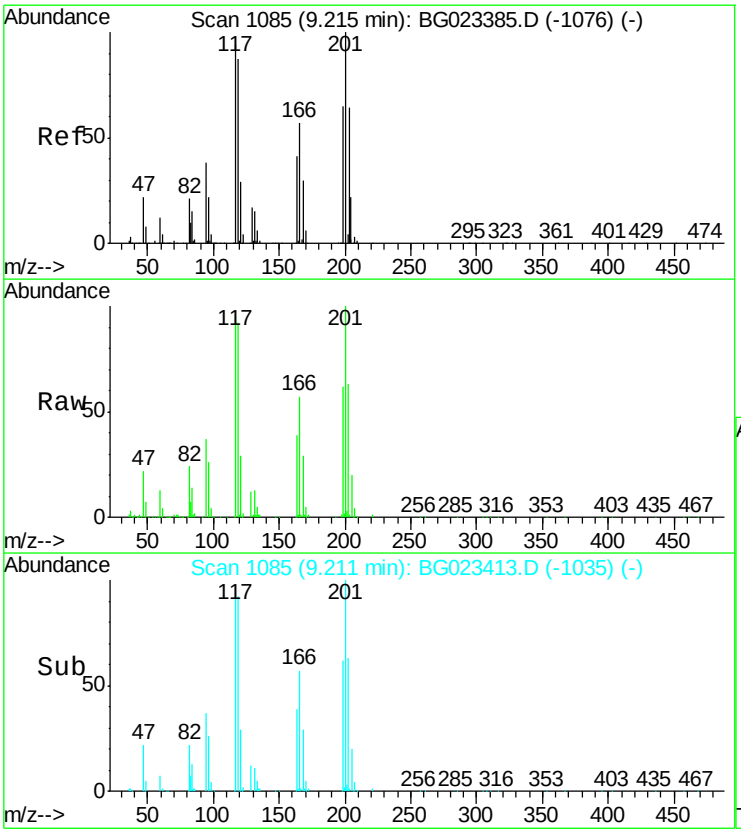
#17
2-Methylphenol
Concen: 60.60 ng
RT: 8.57 min Scan# 976
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion:107 Resp: 449203

Ion	Ratio	Lower	Upper
107	100		
108	103.8	92.0	138.0
77	60.7	55.8	83.6
79	53.0	55.0	82.6#

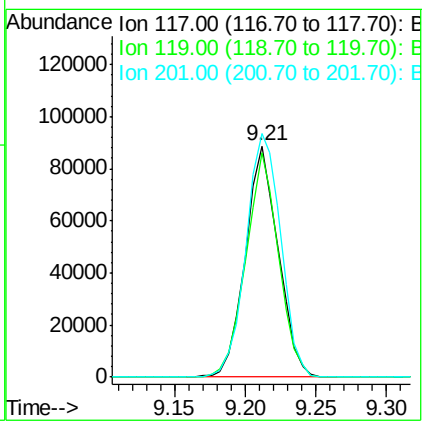


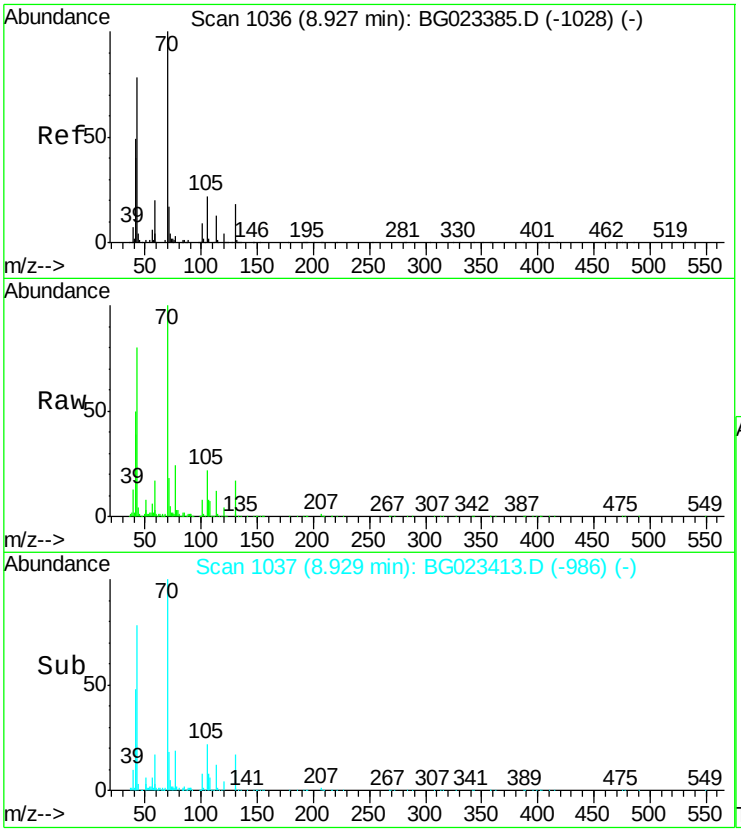


#18
Hexachloroethane
Concen: 43.14 ng
RT: 9.21 min Scan# 1085
Delta R.T. -0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion:117 Resp: 145079

Ion	Ratio	Lower	Upper
117	100		
119	97.2	73.7	110.5
201	105.2	88.7	133.1



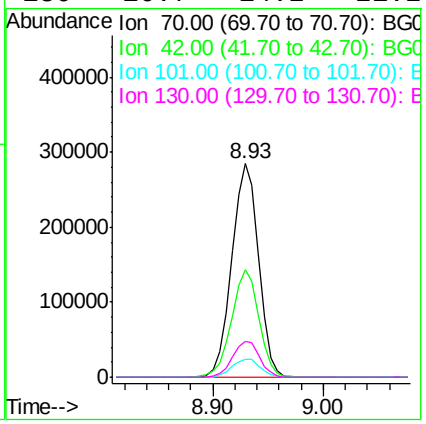


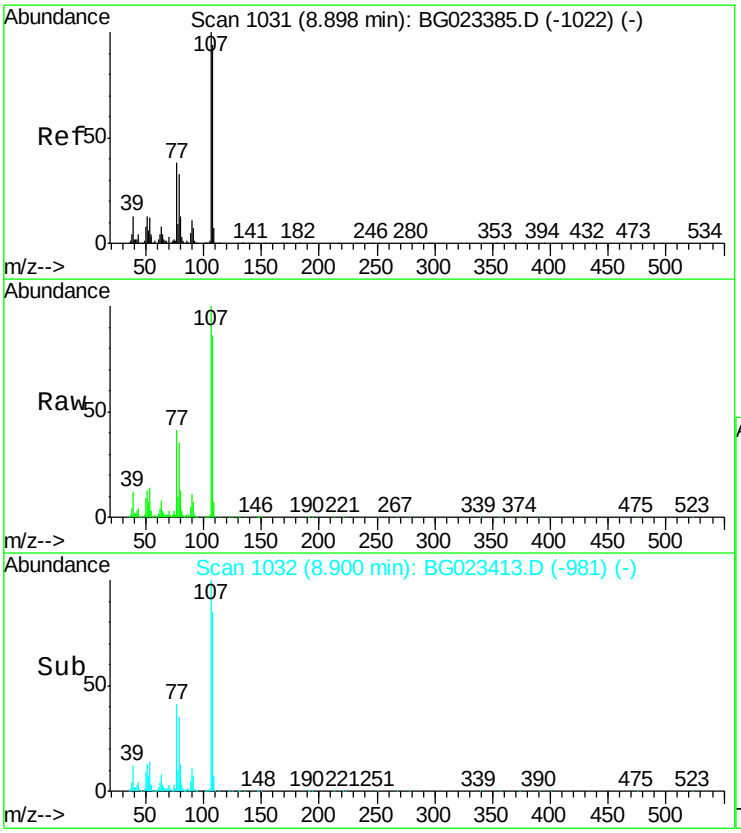
#19
n-Nitroso-di-n-propylamine
Concen: 54.33 ng
RT: 8.93 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion: 70 Resp: 482990

Ion	Ratio	Lower	Upper
70	100		
42	50.2	42.1	63.1
101	8.5	7.2	10.8
130	16.7	14.2	21.2

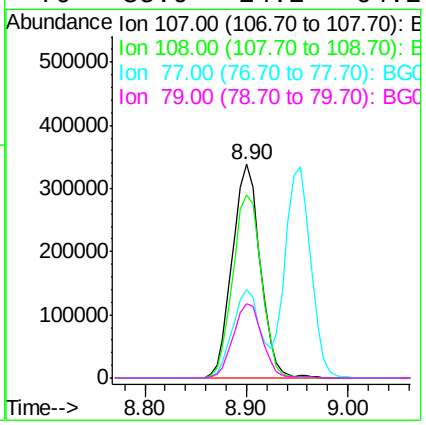


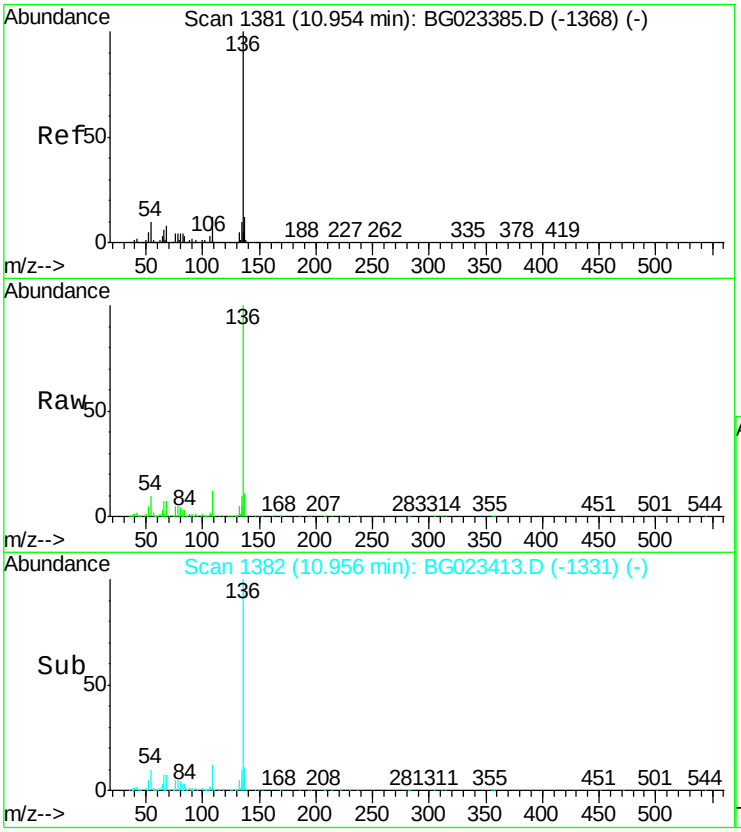


#20
3+4-Methylphenols
Concen: 62.25 ng
RT: 8.90 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion:107 Resp: 650527

Ion	Ratio	Lower	Upper
107	100		
108	85.6	72.5	112.5
77	41.2	30.1	70.1
79	35.0	24.2	64.2



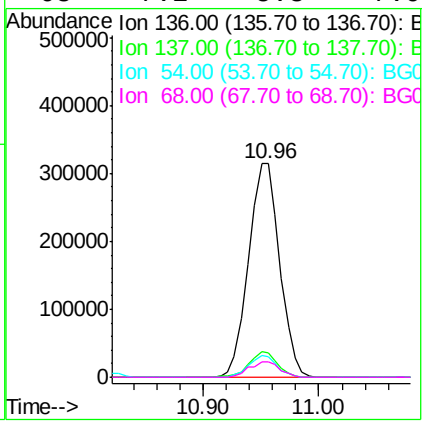


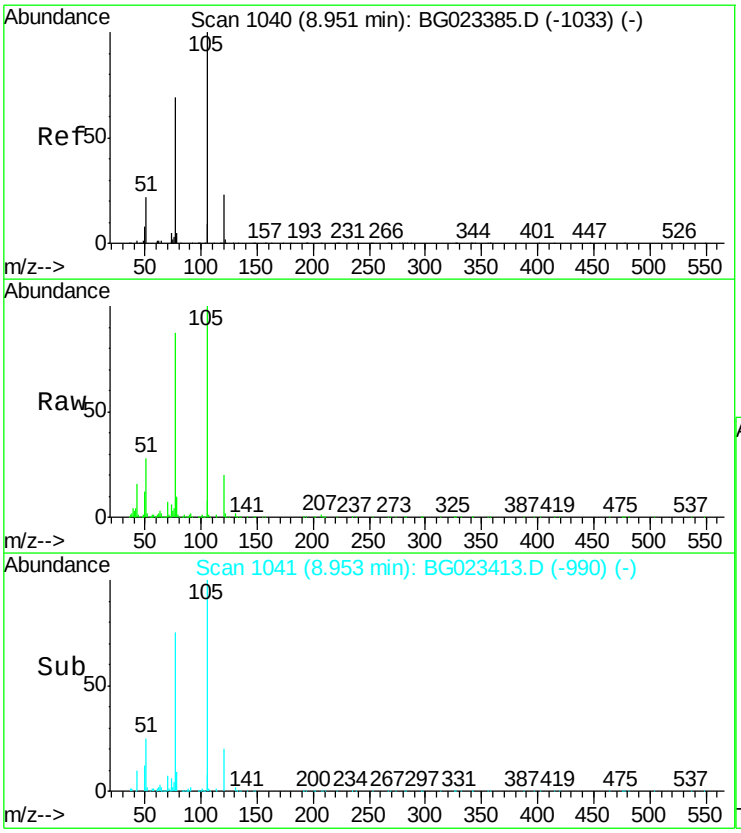
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.96 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion:136 Resp: 588519

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.6	14.4
54	9.8	7.3	10.9
68	7.2	5.3	7.9

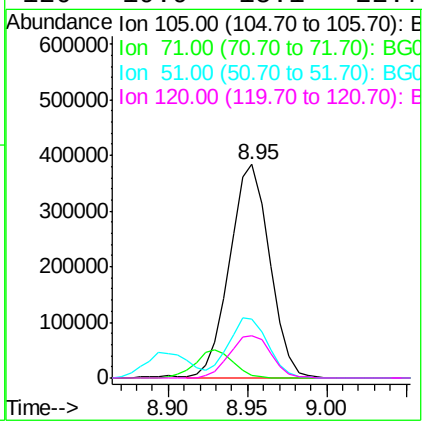


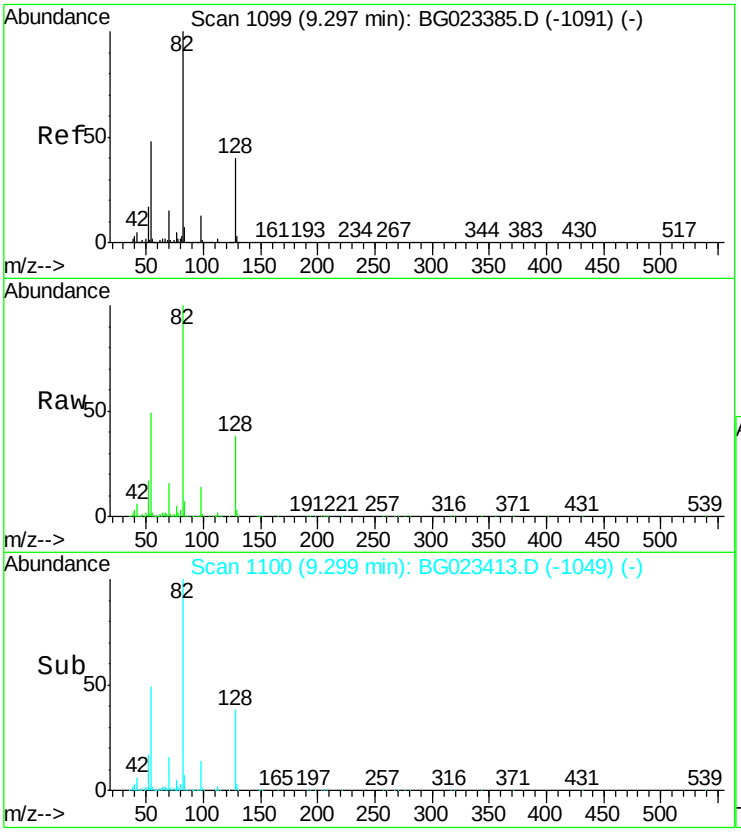


#22
Acetophenone
Concen: 41.63 ng
RT: 8.95 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion:105 Resp: 670756

Ion	Ratio	Lower	Upper
105	100		
71	1.3	2.6	3.8#
51	27.5	27.1	40.7
120	19.9	15.1	22.7



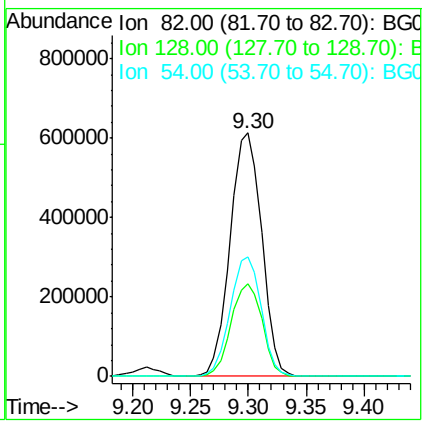


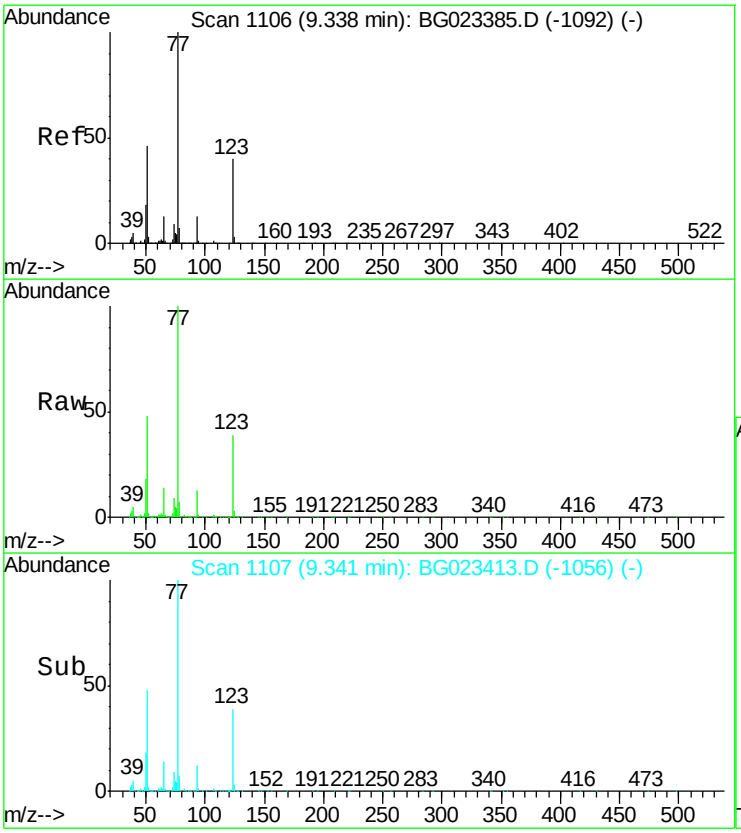
#23
Nitrobenzene-d5
Concen: 98.17 ng
RT: 9.30 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion: 82 Resp: 1162103

Ion	Ratio	Lower	Upper
82	100		
128	38.1	24.4	36.6#
54	49.0	41.4	62.0

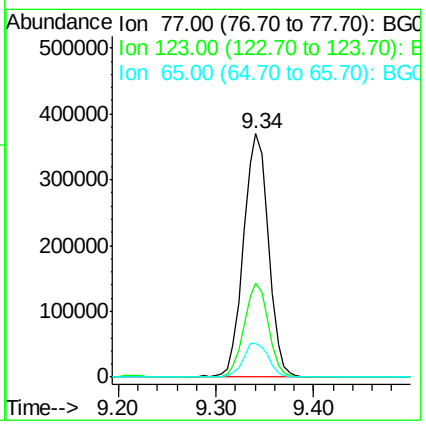


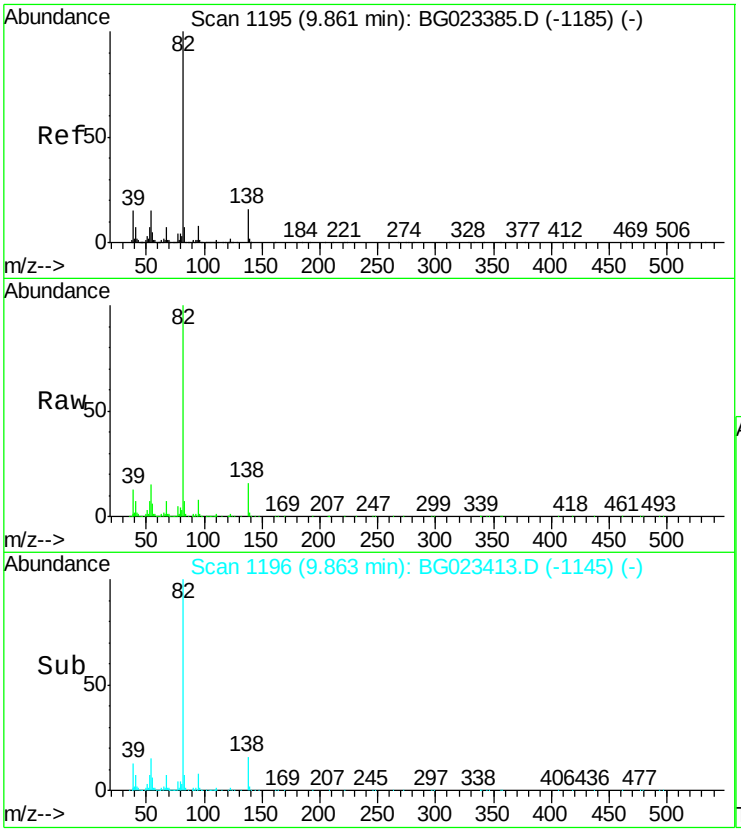


#24
Nitrobenzene
Concen: 50.75 ng
RT: 9.34 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion: 77 Resp: 665285

Ion	Ratio	Lower	Upper
77	100		
123	38.6	25.0	37.6#
65	13.9	13.4	20.0



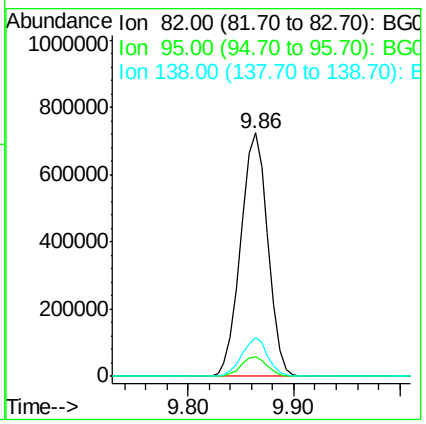


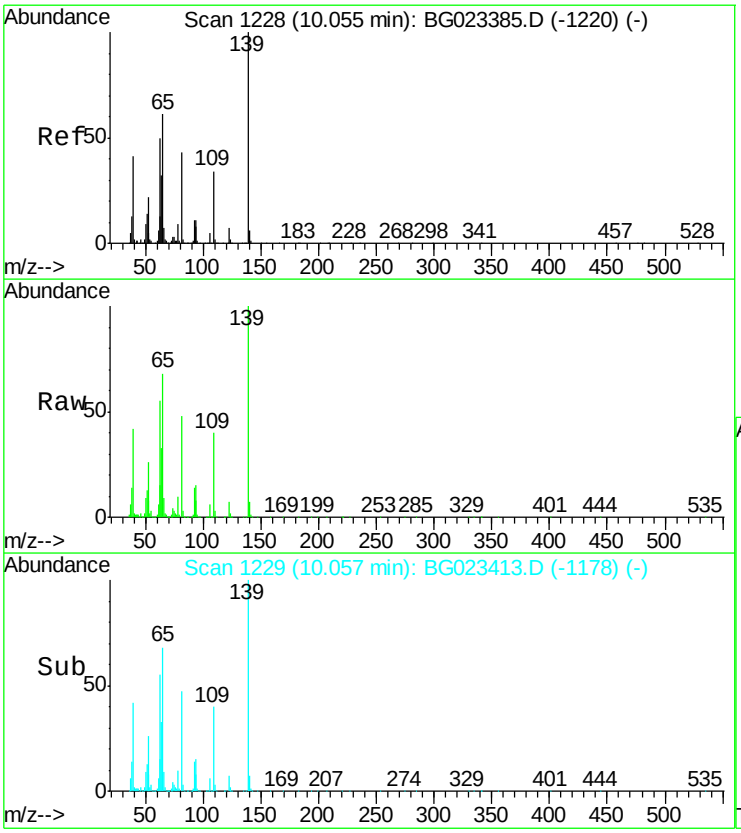
#25
Isophorone
Concen: 52.36 ng
RT: 9.86 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion: 82 Resp: 1291179

Ion	Ratio	Lower	Upper
82	100		
95	8.0	8.2	12.2#
138	16.1	10.7	16.1#

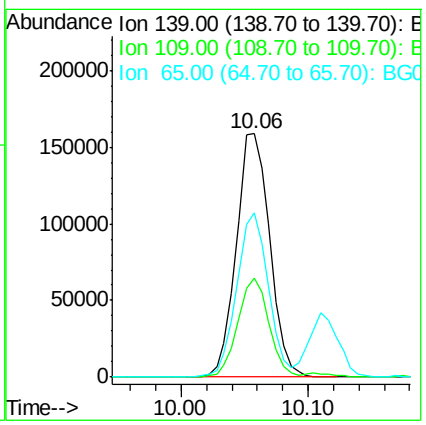


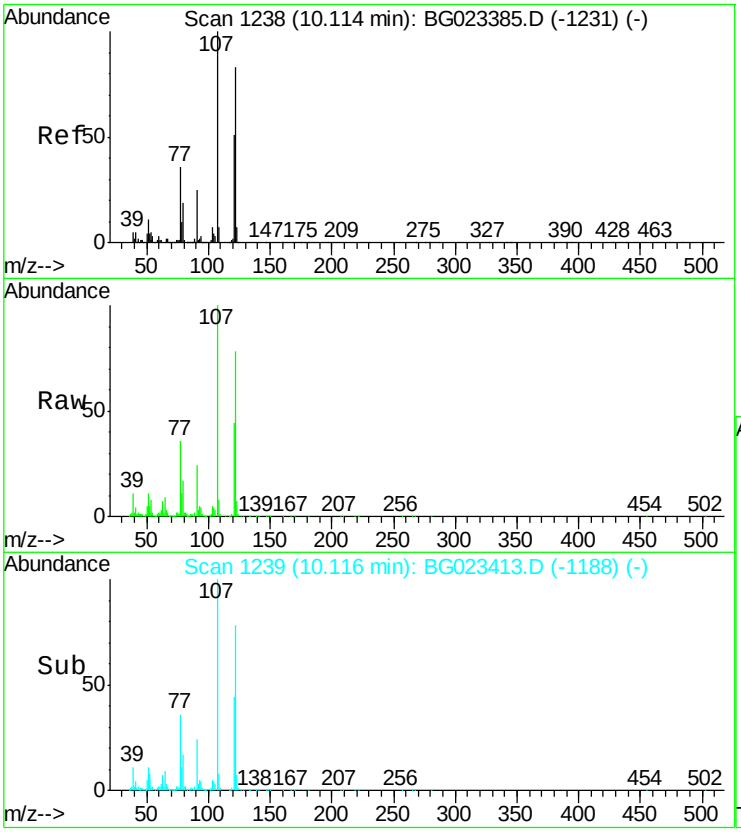


#26
2-Nitrophenol
Concen: 52.58 ng
RT: 10.06 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion:139 Resp: 290895

Ion	Ratio	Lower	Upper
139	100		
109	40.4	43.5	65.3#
65	67.6	64.3	96.5



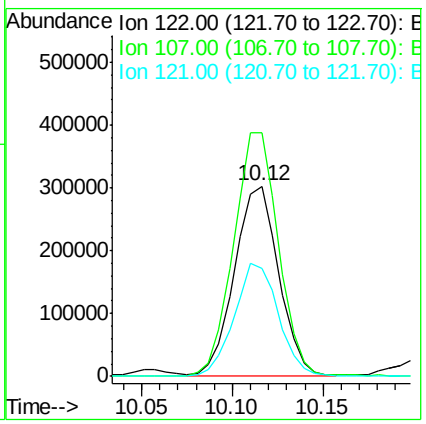


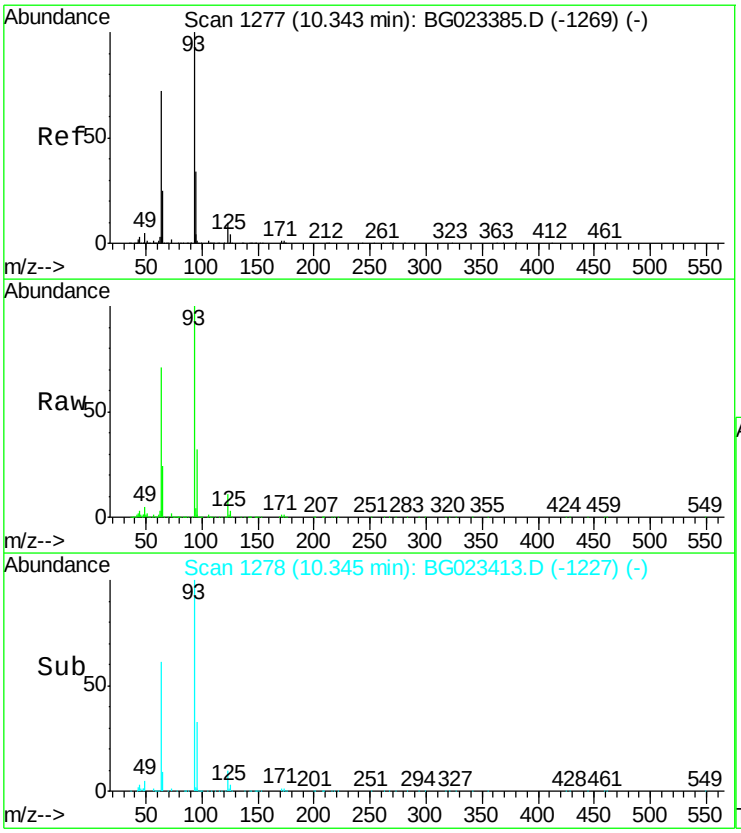
#27
2,4-Dimethylphenol
Concen: 54.25 ng
RT: 10.12 min Scan# 1239
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion:122 Resp: 511103

Ion	Ratio	Lower	Upper
122	100		
107	128.1	117.0	175.4
121	56.9	50.1	75.1

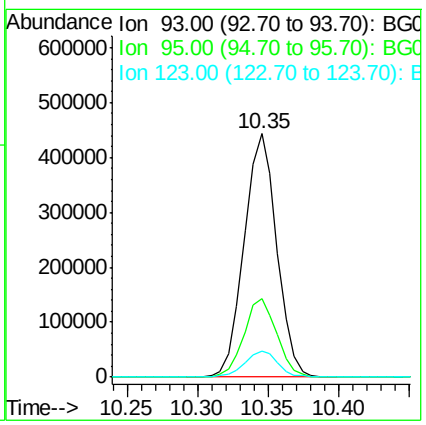


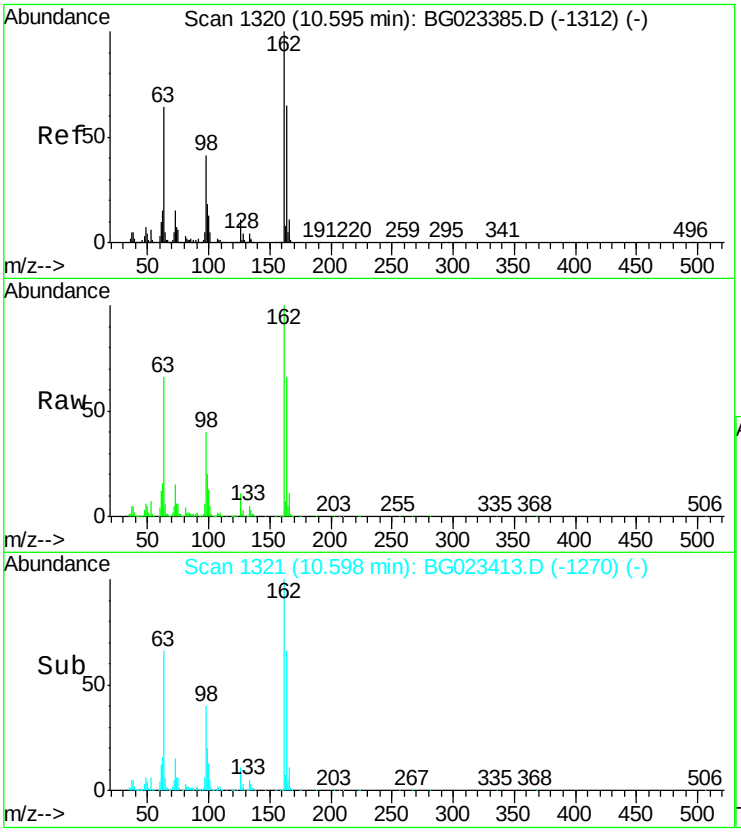


#28
bis(2-Chloroethoxy)methane
Concen: 48.49 ng
RT: 10.35 min Scan# 1278
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion: 93 Resp: 718683

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.4	38.2
123	10.7	8.2	12.2



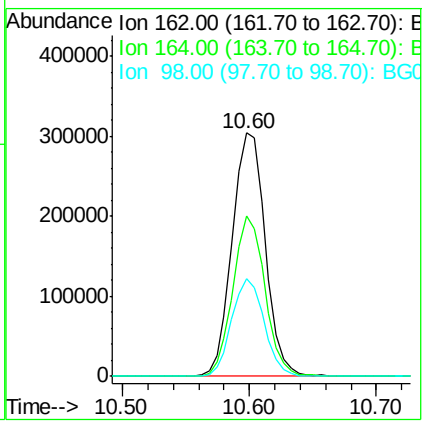


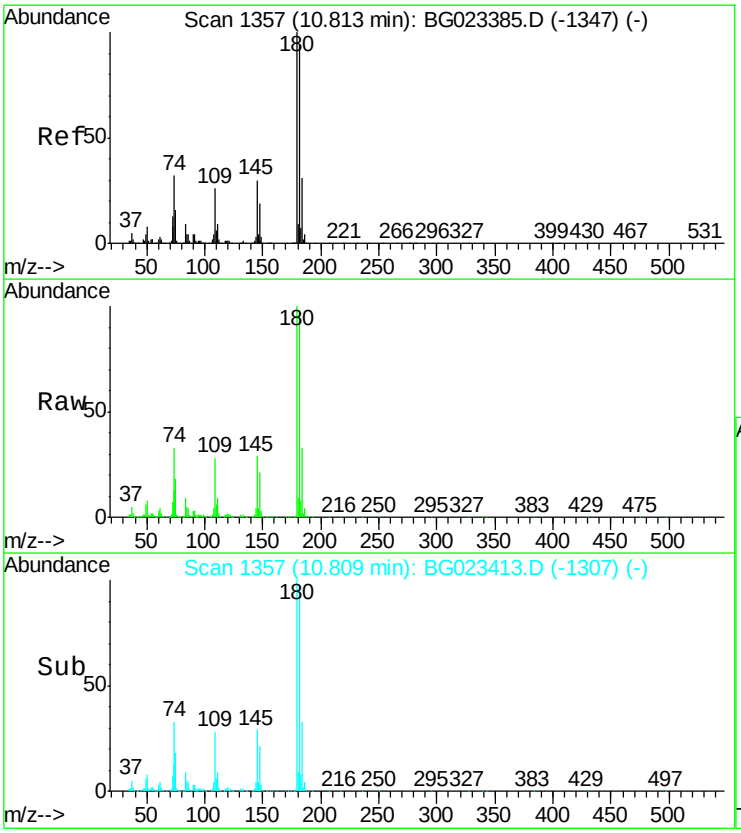
#29
2,4-Dichlorophenol
Concen: 58.10 ng
RT: 10.60 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Instrument :
BNA_G
ClientSampleId :
SB-65-14.0-15.0MS

Tgt Ion:162 Resp: 550382

Ion	Ratio	Lower	Upper
162	100		
164	66.0	44.3	84.3
98	40.3	19.5	59.5





#30
1,2,4-Trichlorobenzene
Concen: 45.99 ng
RT: 10.81 min Scan# 1357
Delta R.T. -0.00 min
Lab File: BG023413.D
Acq: 3 Aug 2016 2:22

Tgt Ion:180 Resp: 469808

Ion	Ratio	Lower	Upper
180	100		
182	96.9	73.8	110.8
145	28.7	24.4	36.6