Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025234.D
Acq On : 16 Dec 2016 5:46
Operator : UM/SJ
Sample : H5938-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

Quant Time: Dec 16 06:38:54 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	82353	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	362228	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.87	164	280516	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.61	188	518415	20.00	ng/ul	0.01
75) Chrysene-d12	21.90	240	634500	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	632334	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.58	96	11265	7.07	ng/uL	-0.01
5) Phenol-d5	7.39	99	171747	24.17	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.55	67	122031	27.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	126862	25.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	164239	27.66	ng/ul	0.01
19) Nitrobenzene-d5	9.42	128	84965	33.12	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	86396	27.02	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.69	165	163691	26.62	ng/ul	0.01
29) 4-Chloroaniline-d4	11.21	131	345557	57.17	ng/ul	0.01
43) Dimethylphthalate-d6	14.27	166	525405	27.23	ng/ul	0.02
46) Acenaphthylene-d8	14.57	160	620796	29.37	ng/ul	0.02
51) 4-Nitrophenol-d4	15.10	143	157906	47.62	ng/ul	0.04
57) Fluorene-d10	15.86	176	648988	35.73	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	16.00	200	112848	35.21	ng/ul	0.03
70) Anthracene-d10	17.71	188	673100	30.76	ng/ul	0.01
76) Pyrene-d10	19.98	212	772003	29.54	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	763256	29.79	ng/ul	0.01
Target Compounds						Qvalue
4) Benzaldehyde	7.36	77	59388	11.10	ng/ul#	1
6) Phenol	7.42	94	14164	1.94	ng/ul#	23
11) 2-Methylphenol	8.67	108	9617	1.79	ng/ul	87
14) Acetophenone	9.03	105	381194	42.19	ng/ul#	25
15) N-Nitroso-di-n-propylamine	9.04	70	6333	1.21	ng/ul#	82
16) 4-Methylphenol	9.01	108	7334	1.23	ng/ul	86
17) Hexachloroethane	9.34	117	111234	50.27	ng/ul#	1
24) 2,4-Dimethylphenol	10.23	107	95128	12.82	ng/ul#	89
25) Bis(2-Chloroethoxy)methane	10.47	93	34039	4.48	ng/ul#	85
27) 2,4-Dichlorophenol	10.69	162	215827	36.14	ng/ul#	29
28) Naphthalene	11.12	128	2999069	178.11	ng/ul#	91
30) 4-Chloroaniline	11.31	127	13379	2.17	ng/ul	97
34) 2-Methylnaphthalene	12.73	142	4728499	355.85	ng/ul	89
40) 1,1'-Biphenyl	13.70	154	1327199	78.04	ng/ul	97
42) 2-Nitroaniline	13.96	65	14712	2.78	ng/ul#	48
44) Dimethylphthalate	14.31	163	473018	24.94	ng/ul#	96
45) 2,6-Dinitrotoluene	14.48	165	10244	2.51	ng/ul#	1
47) Acenaphthylene	14.60	152	125579	6.11	ng/ul#	1
49) Acenaphthene	14.94	153	356761	25.35	ng/ul#	88
52) 4-Nitrophenol	15.09	109	9391	2.35	ng/ul#	1
53) Dibenzofuran	15.27	168	914487	41.07	ng/ul	100
54) 2,4-Dinitrotoluene	15.25	165	49764	8.10	ng/ul#	1
58) Fluorene	15.92	166	975830	53.84	ng/ul#	97

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025234.D
Acq On : 16 Dec 2016 5:46
Operator : UM/SJ
Sample : H5938-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Dec 16 06:38:54 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 4,6-Dinitro-2-methylphenol	16.01	198	3949	1.19	ng/ul#	1
64) N-Nitrosodiphenylamine	16.11	169	173802	13.03	ng/ul#	61
67) Atrazine	17.02	200	26993	4.26	ng/ul#	5
69) Phenanthrene	17.65	178	511853	20.69	ng/ul#	93
71) Anthracene	17.75	178	127261	5.00	ng/ul#	83
72) Carbazole	18.02	167	27539	1.30	ng/ul#	35
74) Fluoranthene	19.65	202	96281	3.27	ng/ul	97
77) Pyrene	20.01	202	104843	3.44	ng/ul#	95

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025234.D
Acq On : 16 Dec 2016 5:46
Operator : UM/SJ
Sample : H5938-02
Misc :
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Instrument :
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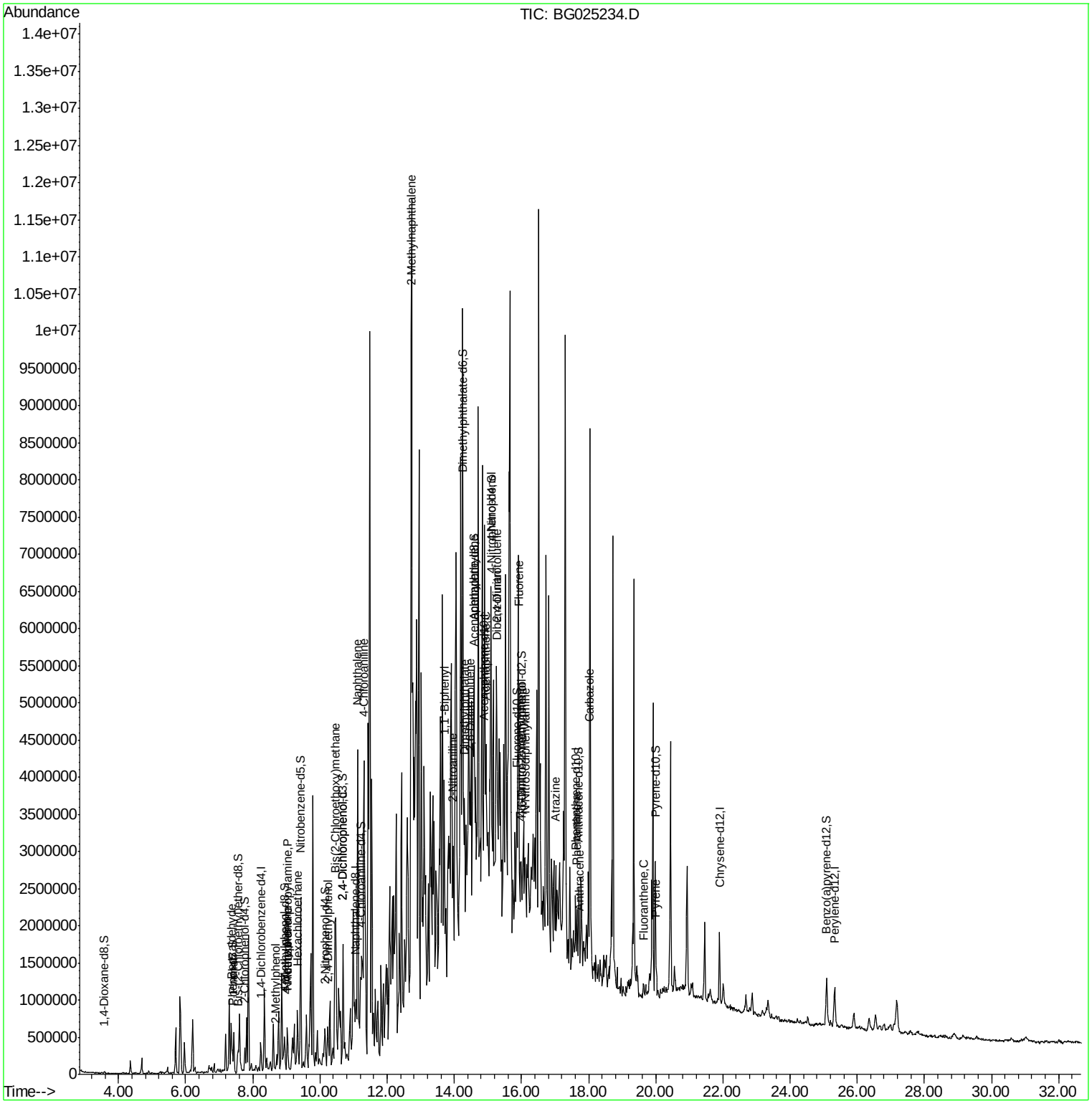
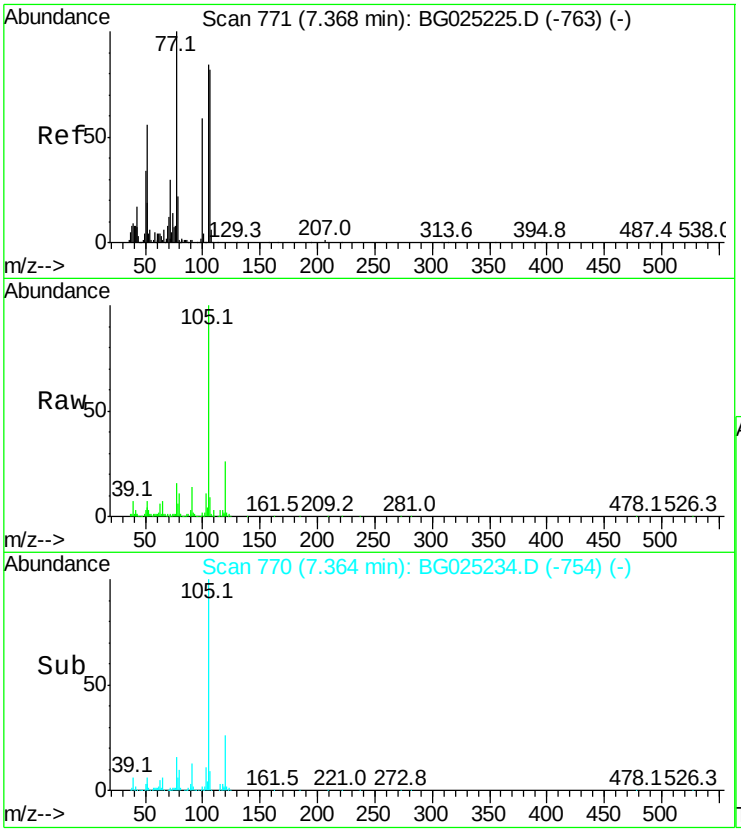
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration



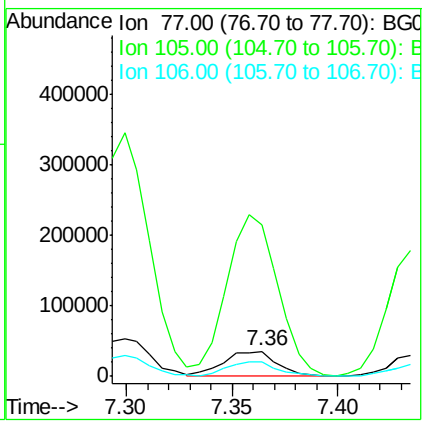


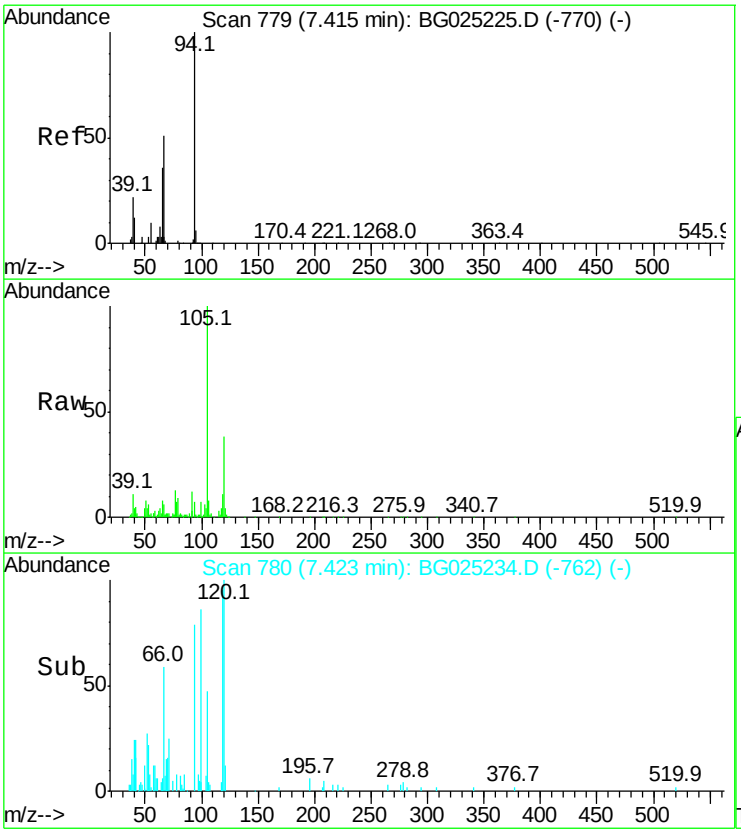
#4
Benzaldehyde
Concen: 11.10 ng/ul
RT: 7.36 min Scan# 770
Delta R.T. -0.00 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 77 Resp: 59388

Ion	Ratio	Lower	Upper
77	100		
105	606.6	62.0	93.0#
106	56.5	60.2	90.4#

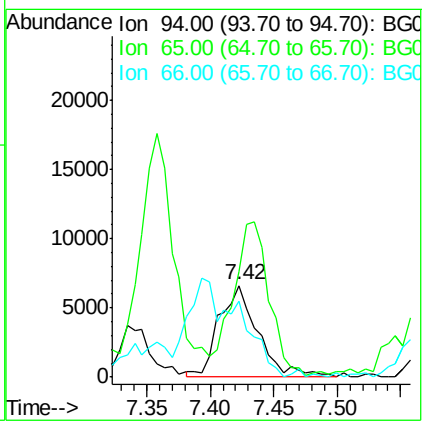


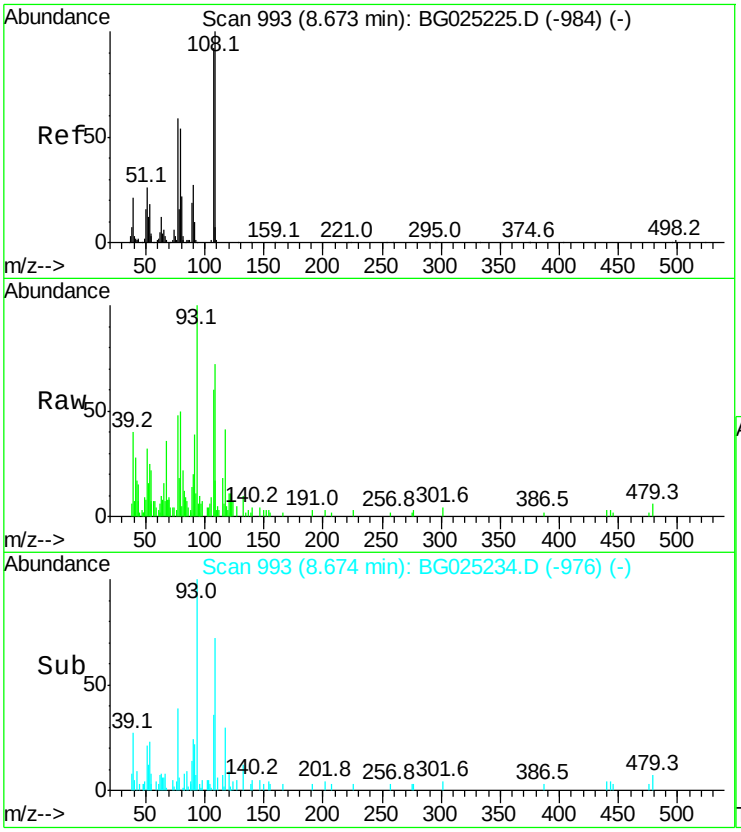


#6
Phenol
Concen: 1.94 ng/ul
RT: 7.42 min Scan# 780
Delta R.T. 0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion: 94 Resp: 14164

Ion	Ratio	Lower	Upper
94	100		
65	114.3	26.8	40.2#
66	82.9	44.4	66.6#



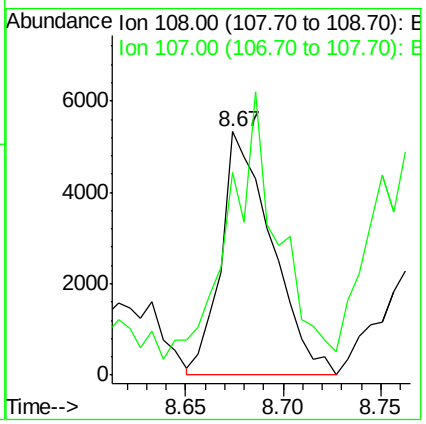


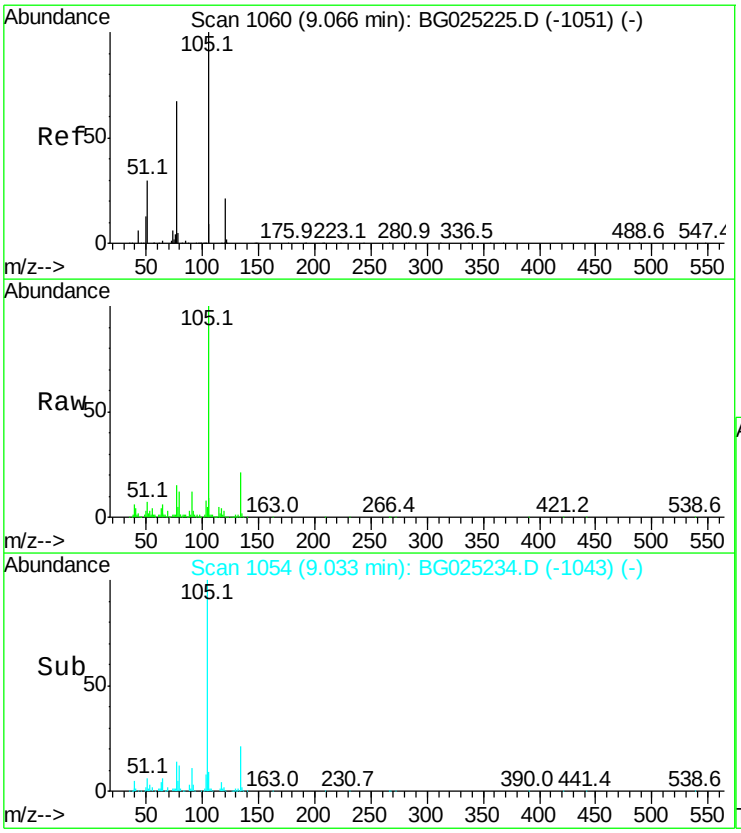
#11
2-Methylphenol
Concen: 1.79 ng/ul
RT: 8.67 min Scan# 993
Delta R.T. 0.00 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:108 Resp: 9617

Ion	Ratio	Lower	Upper
108	100		
107	83.5	76.7	115.1

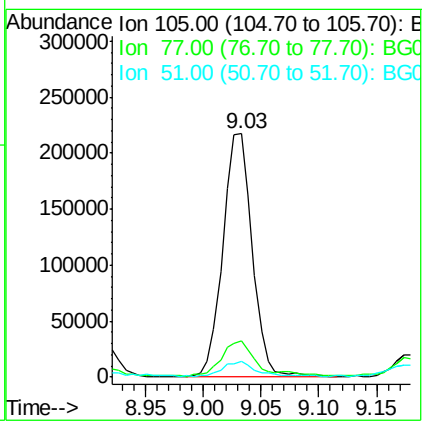


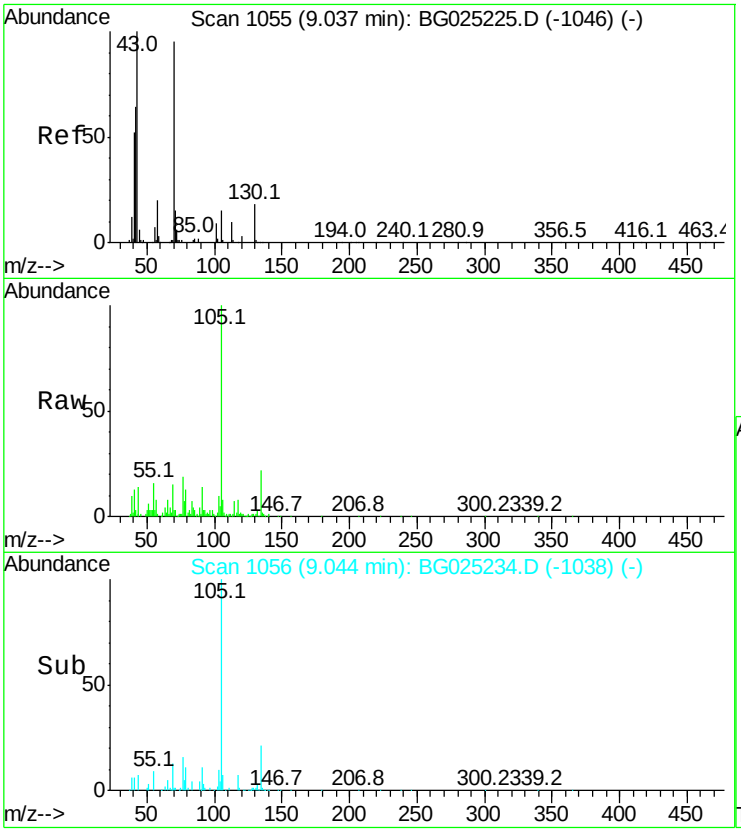


#14
Acetophenone
Concen: 42.19 ng/ul
RT: 9.03 min Scan# 1054
Delta R.T. -0.03 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion:105 Resp: 381194

Ion	Ratio	Lower	Upper
105	100		
77	14.8	76.0	114.0#
51	6.7	34.8	52.2#



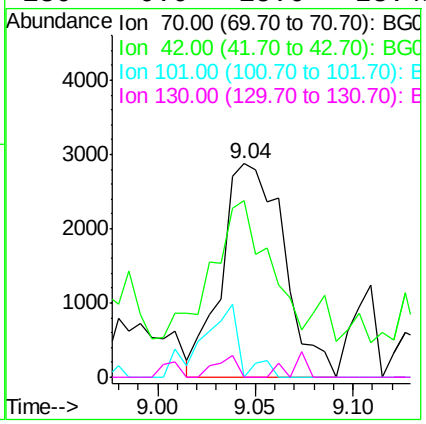


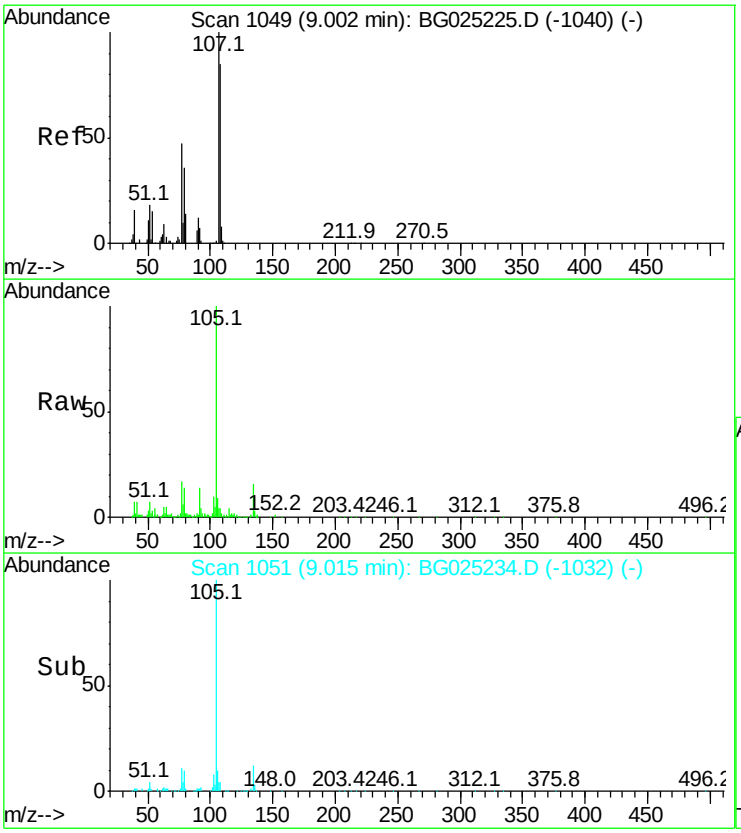
#15
N-Nitroso-di-n-propylamine
Concen: 1.21 ng/ul
RT: 9.04 min Scan# 1056
Delta R.T. 0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 70 Resp: 6333

Ion	Ratio	Lower	Upper
70	100		
42	82.8	59.0	88.6
101	0.0	6.6	9.8#
130	0.0	15.6	23.4#

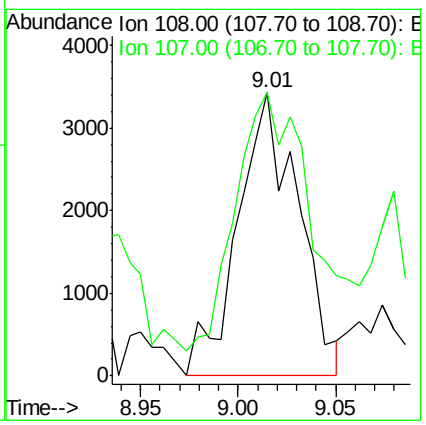


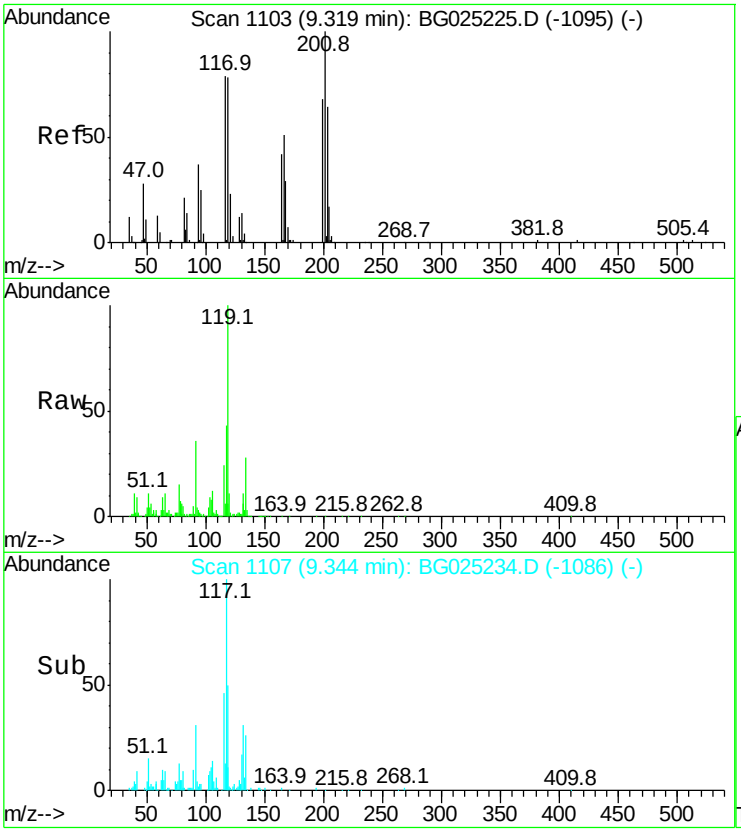


#16
4-Methylphenol
Concen: 1.23 ng/ul
RT: 9.01 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion:108 Resp: 7334

Ion	Ratio	Lower	Upper
108	100		
107	100.0	91.7	137.5



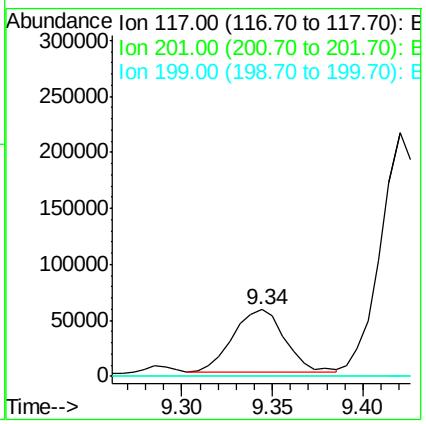


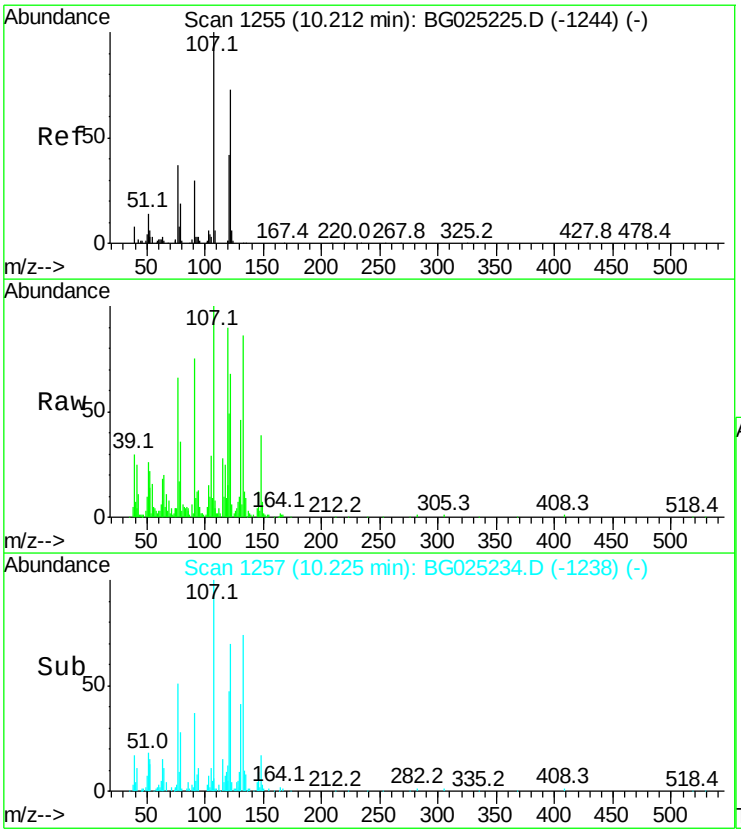
#17
Hexachloroethane
Concen: 50.27 ng/ul
RT: 9.34 min Scan# 1107
Delta R.T. 0.02 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:117 Resp: 111234

Ion	Ratio	Lower	Upper
117	100		
201	0.3	91.9	137.9#
199	0.0	64.3	96.5#

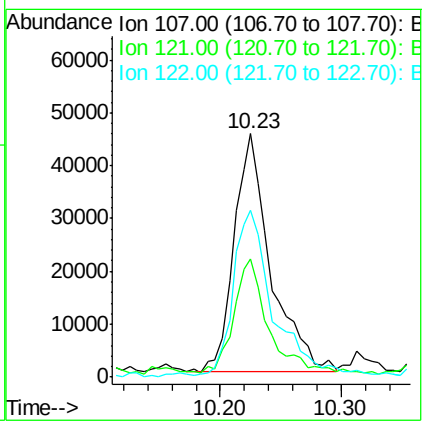


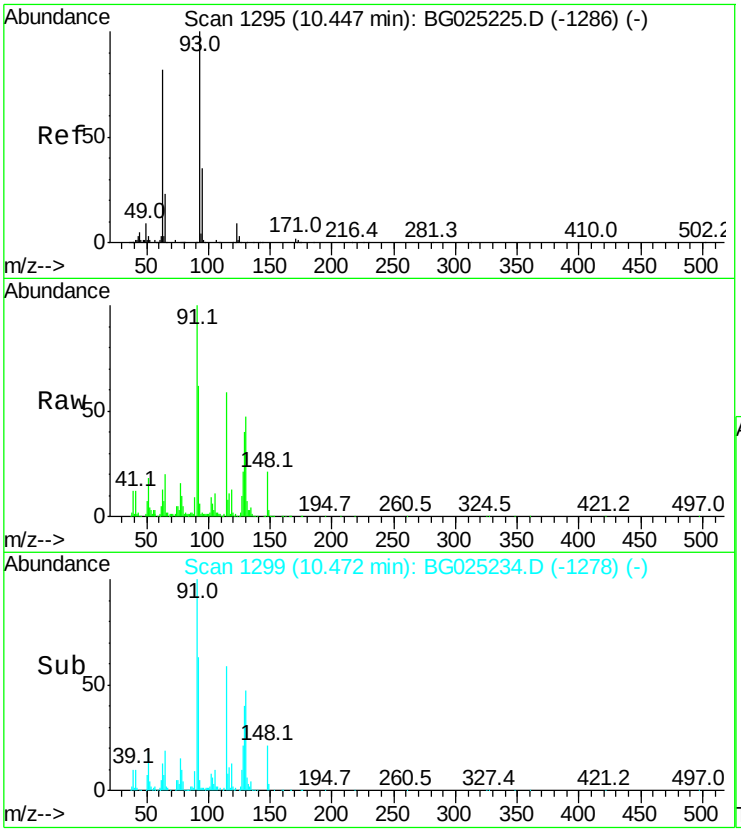


#24
2,4-Dimethylphenol
Concen: 12.82 ng/ul
RT: 10.23 min Scan# 1257
Delta R.T. 0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion:107 Resp: 95128

Ion	Ratio	Lower	Upper
107	100		
121	48.8	32.3	48.5#
122	68.4	61.2	91.8



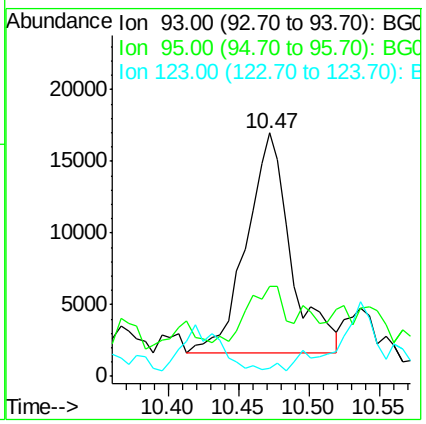


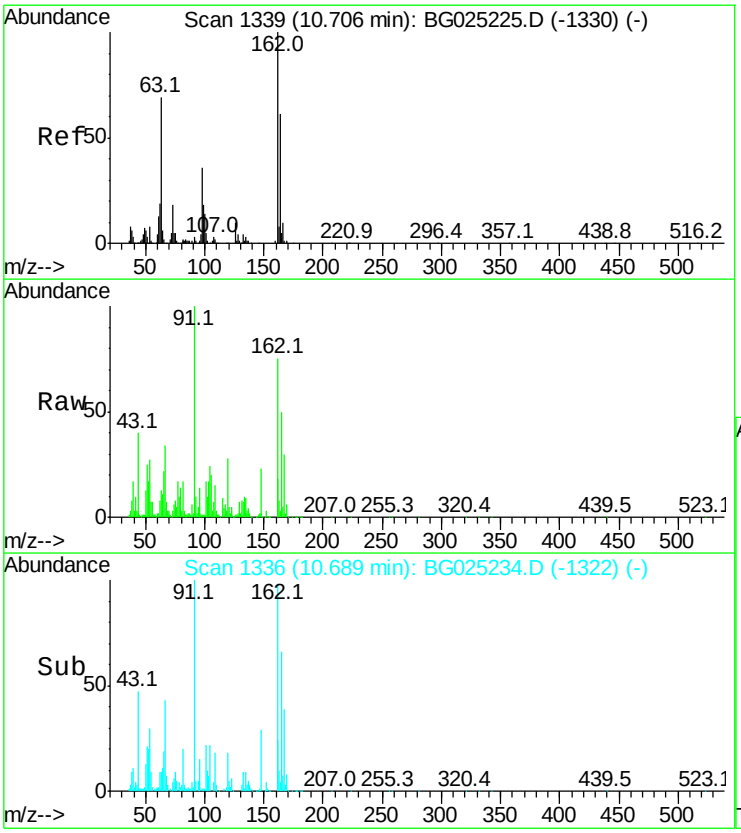
#25
Bis(2-Chloroethoxy)methane
Concen: 4.48 ng/ul
RT: 10.47 min Scan# 1299
Delta R.T. 0.02 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 93 Resp: 34039

Ion	Ratio	Lower	Upper
93	100		
95	37.1	23.4	35.0#
123	3.2	7.8	11.6#

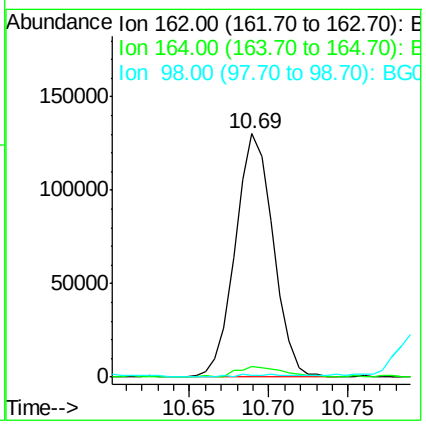


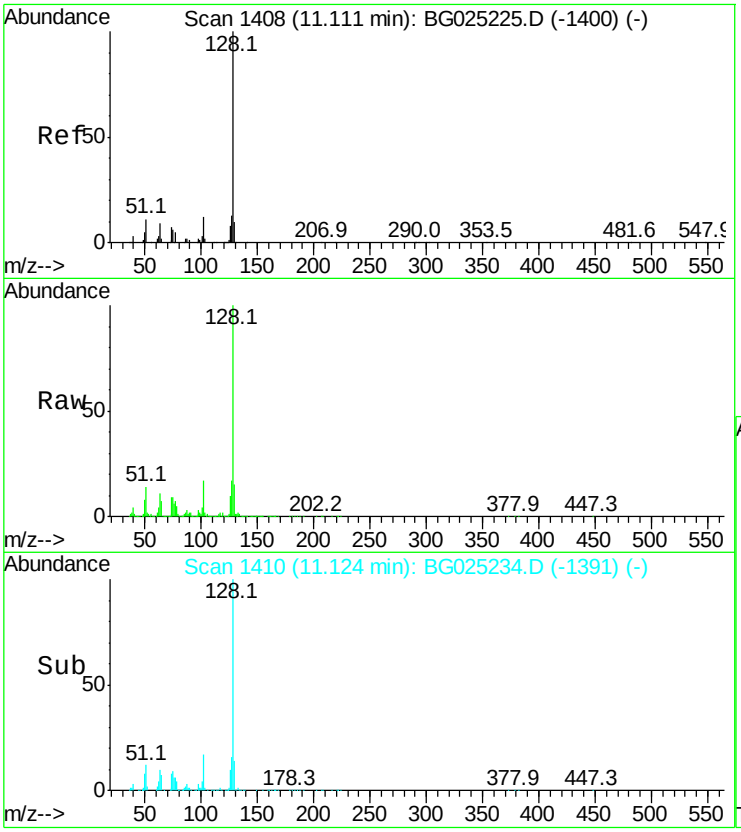


#27
2,4-Dichlorophenol
Concen: 36.14 ng/ul
RT: 10.69 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion:162 Resp: 215827

Ion	Ratio	Lower	Upper
162	100		
164	4.2	50.8	76.2#
98	0.7	32.1	48.1#



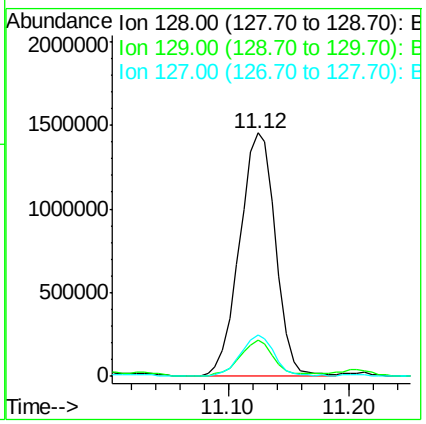


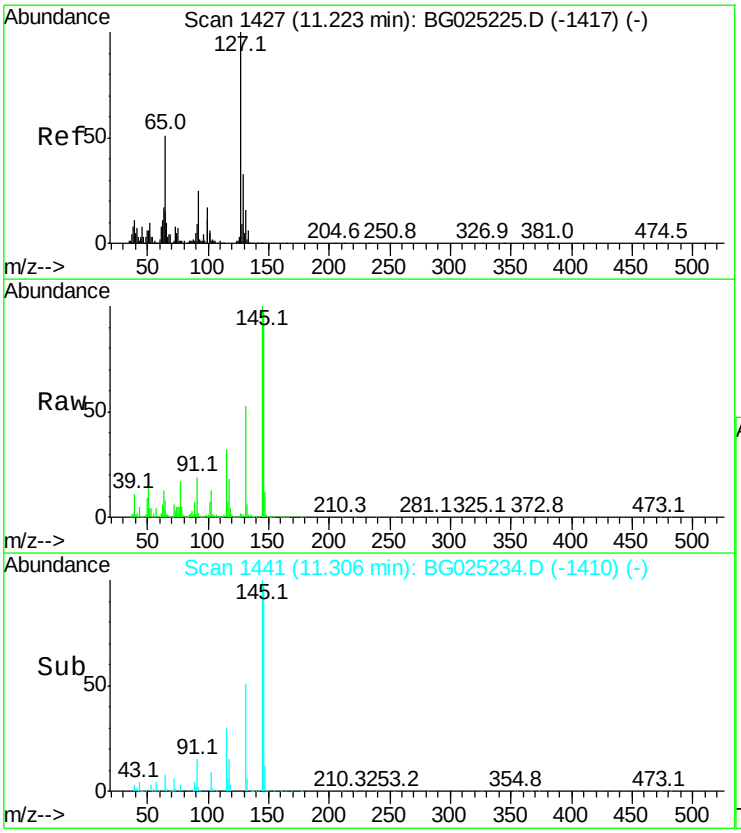
#28
Naphthalene
Concen: 178.11 ng/ul
RT: 11.12 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:128 Resp: 2999069

Ion	Ratio	Lower	Upper
128	100		
129	14.8	9.4	14.2#
127	16.8	10.3	15.5#

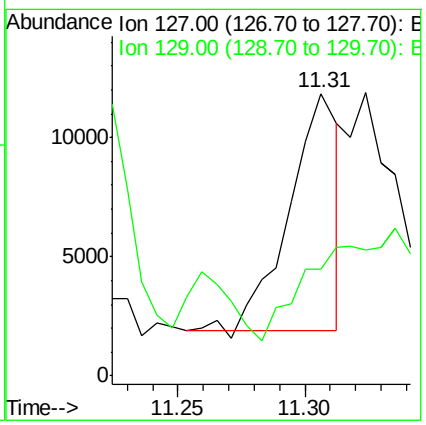


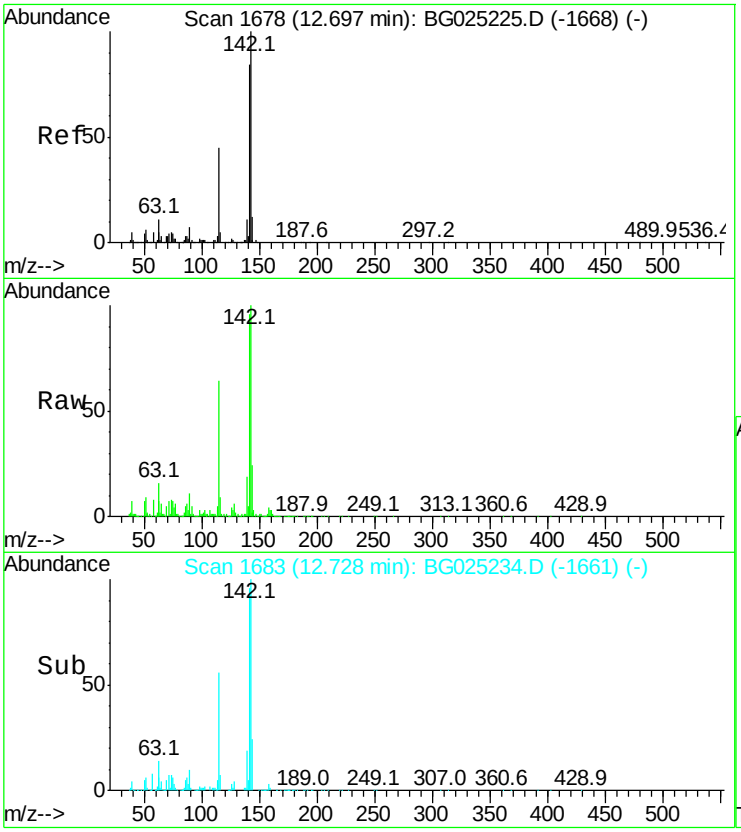


#30
4-Chloroaniline
Concen: 2.17 ng/ul
RT: 11.31 min Scan# 1441
Delta R.T. 0.08 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion:127 Resp: 13379

Ion	Ratio	Lower	Upper
127	100		
129	37.8	28.9	43.3



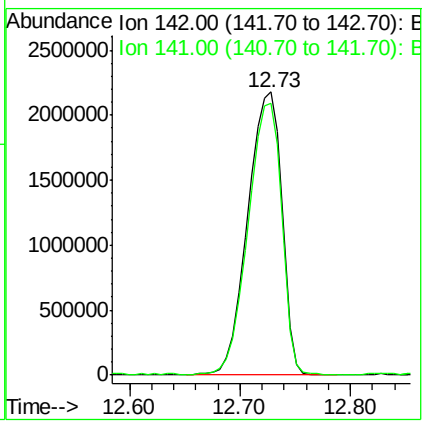


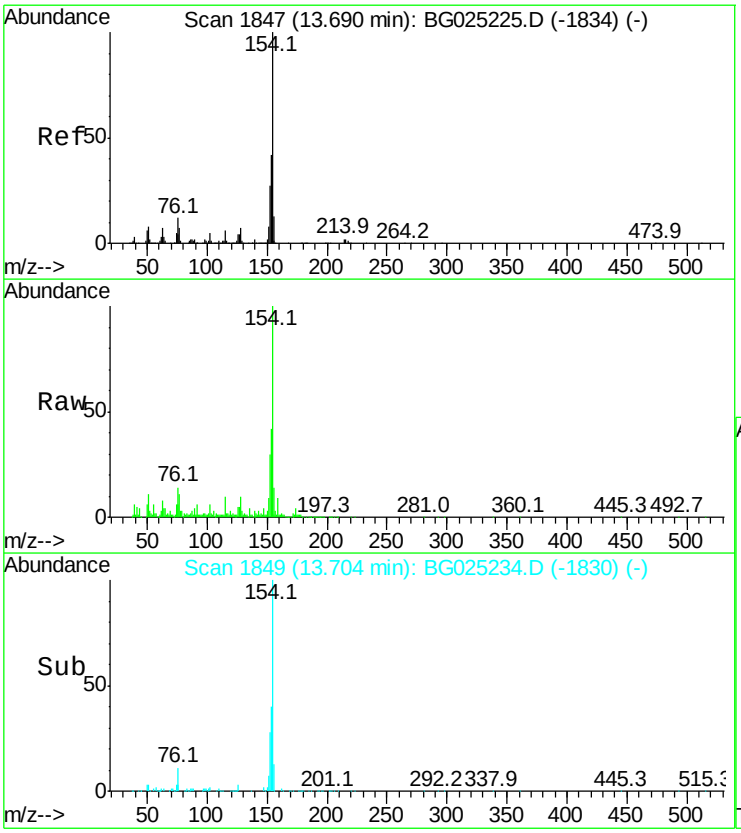
#34
2-Methylnaphthalene
Concen: 355.85 ng/ul
RT: 12.73 min Scan# 1683
Delta R.T. 0.03 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:142 Resp: 4728499

Ion	Ratio	Lower	Upper
142	100		
141	96.0	68.6	102.8

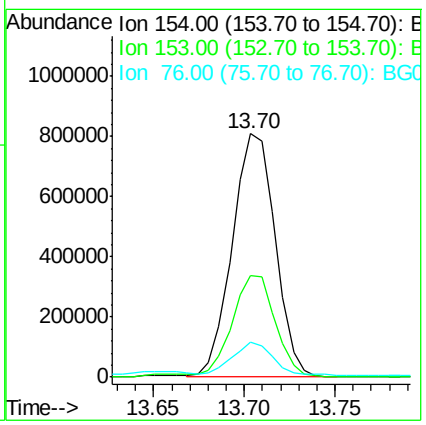


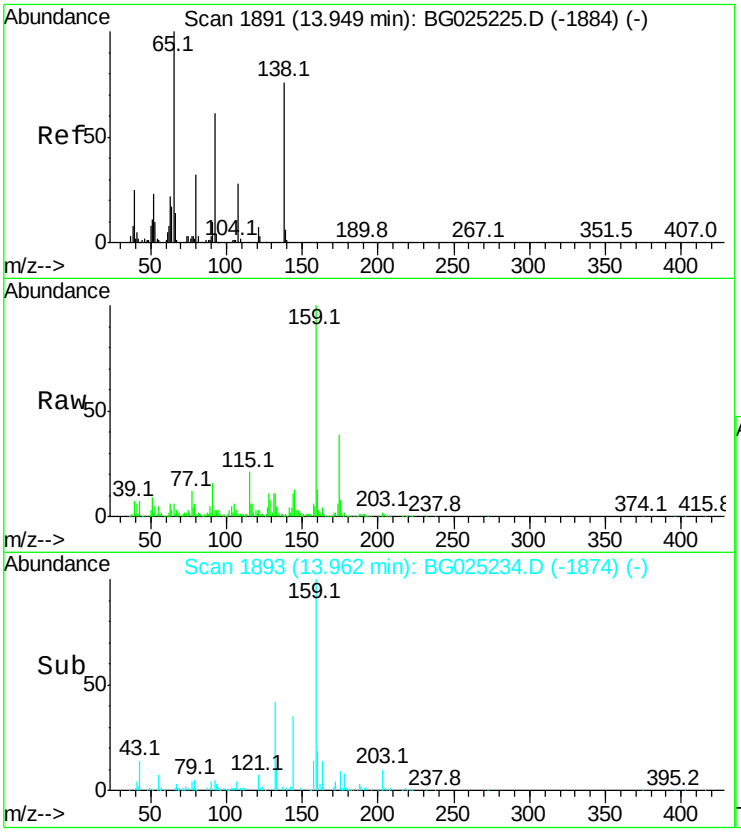


#40
1,1'-Biphenyl
Concen: 78.04 ng/ul
RT: 13.70 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion:154 Resp: 1327199

Ion	Ratio	Lower	Upper
154	100		
153	41.8	32.2	48.2
76	14.3	9.6	14.4



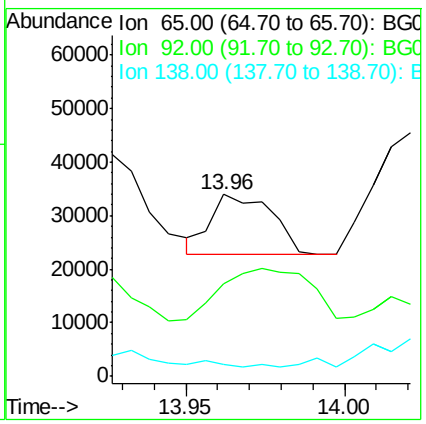


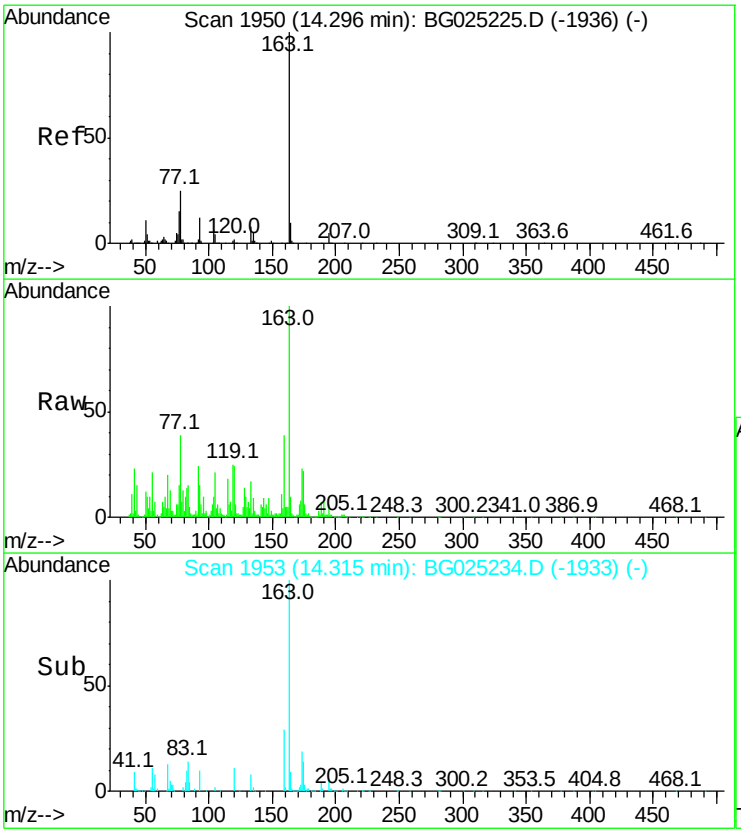
#42
2-Nitroaniline
Concen: 2.78 ng/ul
RT: 13.96 min Scan# 1893
Delta R.T. 0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 65 Resp: 14712

Ion	Ratio	Lower	Upper
65	100		
92	51.2	50.9	76.3
138	6.3	61.8	92.6#

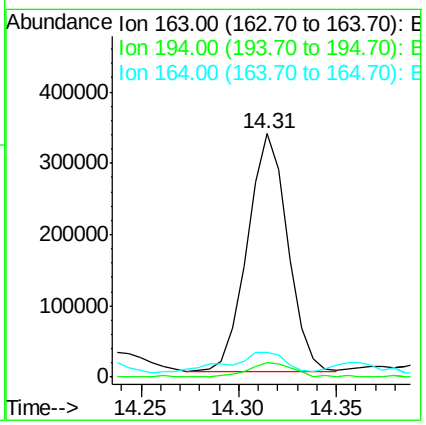


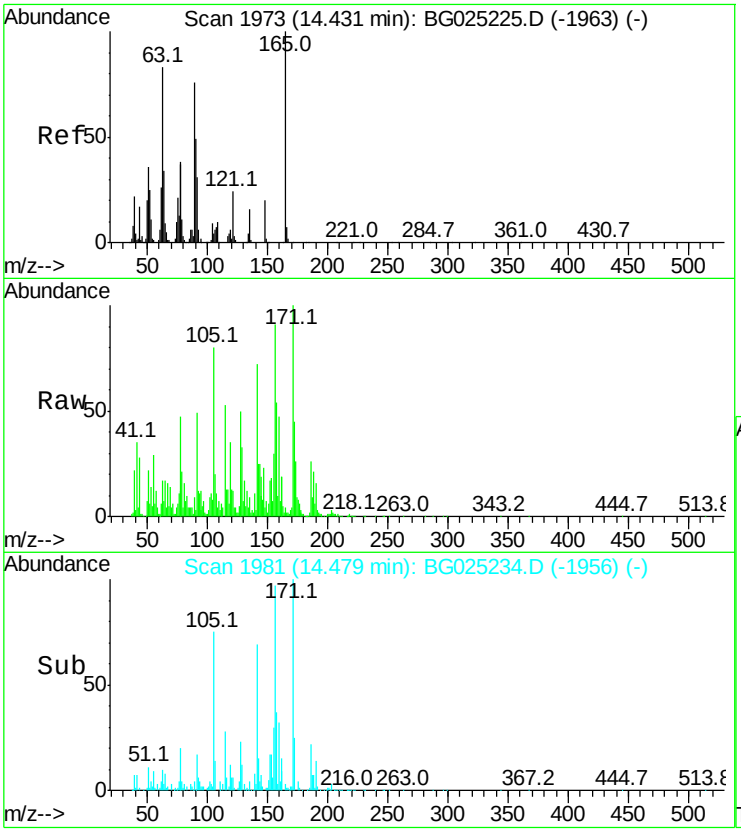


#44
Dimethylphthalate
Concen: 24.94 ng/ul
RT: 14.31 min Scan# 1953
Delta R.T. 0.02 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion:163 Resp: 473018

Ion	Ratio	Lower	Upper
163	100		
194	6.1	3.4	5.0#
164	10.2	9.0	13.4



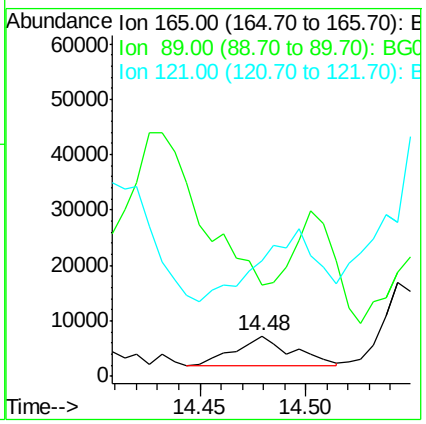


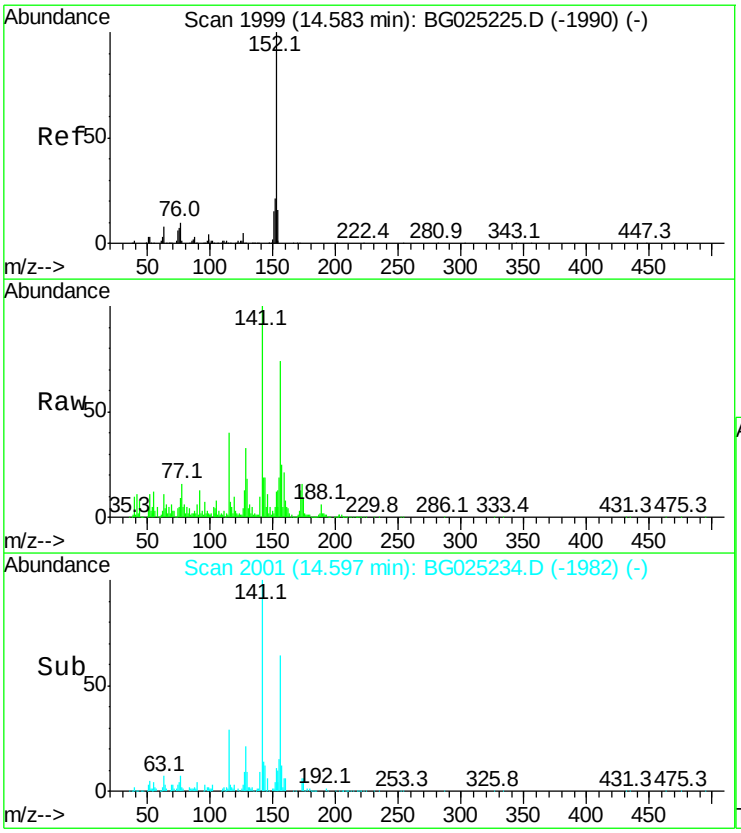
#45
2,6-Dinitrotoluene
Concen: 2.51 ng/ul
RT: 14.48 min Scan# 1981
Delta R.T. 0.05 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:165 Resp: 10244

Ion	Ratio	Lower	Upper
165	100		
89	228.9	52.9	79.3#
121	287.2	22.2	33.4#

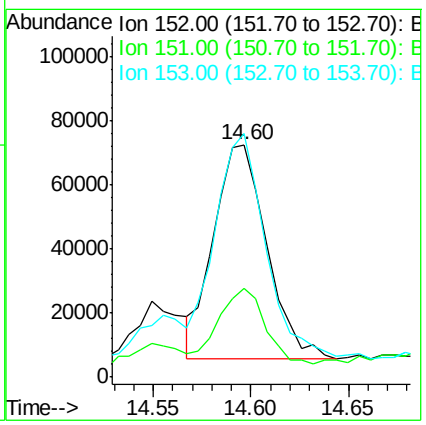


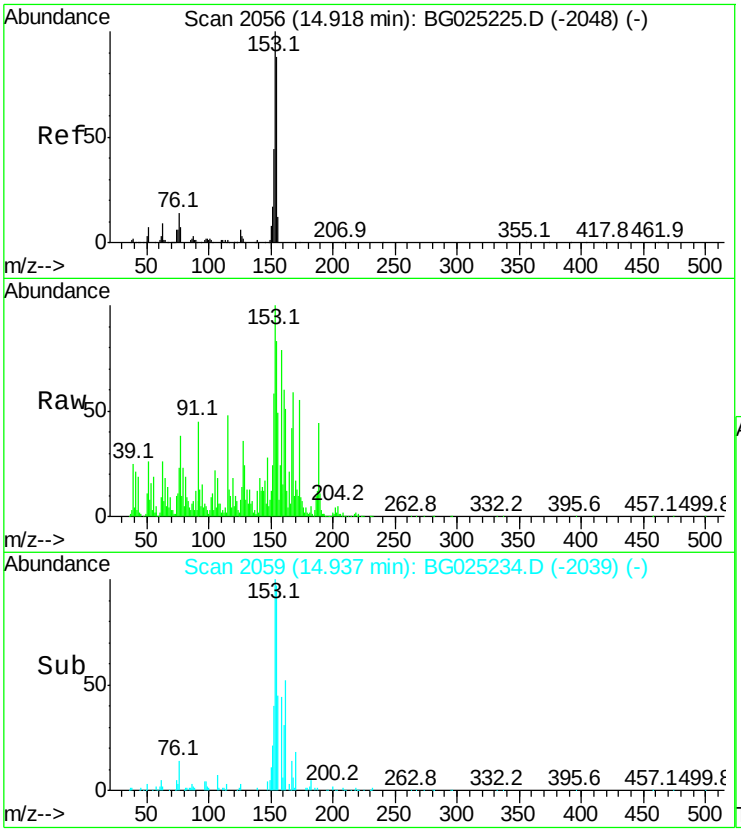


#47
Acenaphthylene
Concen: 6.11 ng/ul
RT: 14.60 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion:152 Resp: 125579

Ion	Ratio	Lower	Upper
152	100		
151	38.2	16.7	25.1#
153	104.6	11.4	17.2#



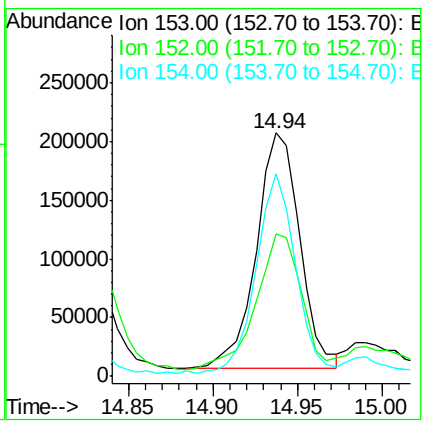


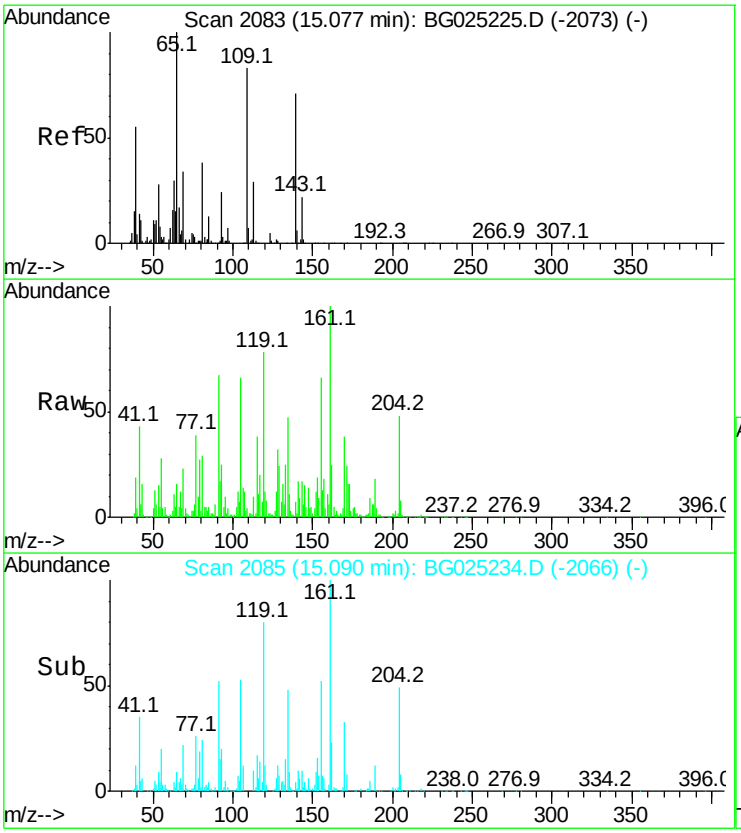
#49
Acenaphthene
Concen: 25.35 ng/ul
RT: 14.94 min Scan# 2059
Delta R.T. 0.02 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:153 Resp: 356761

Ion	Ratio	Lower	Upper
153	100		
152	58.3	36.5	54.7#
154	83.1	72.3	108.5

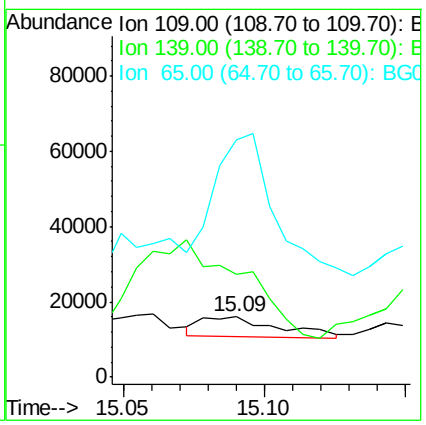


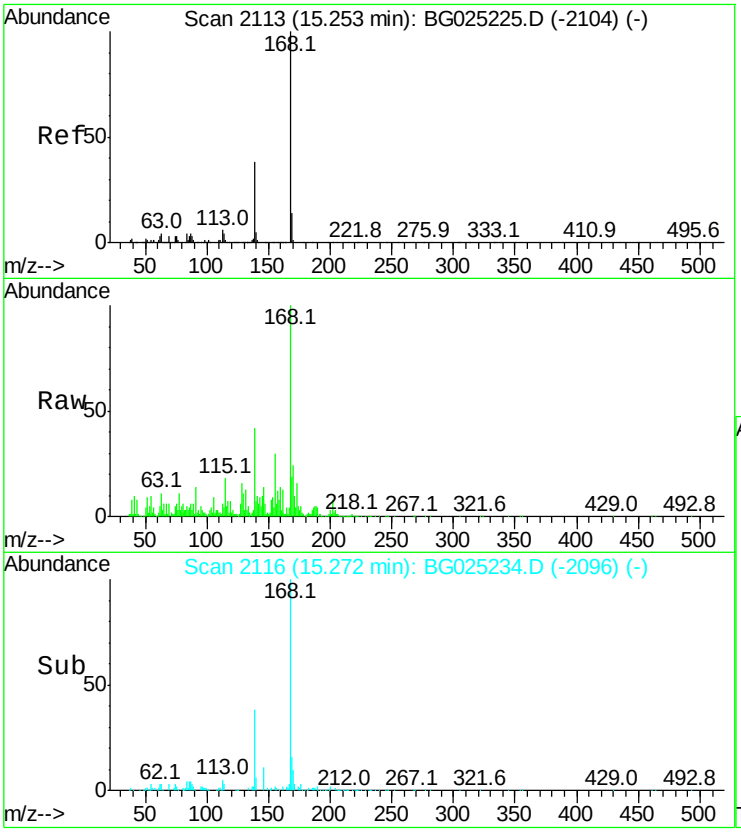


#52
4-Nitrophenol
Concen: 2.35 ng/ul
RT: 15.09 min Scan# 2085
Delta R.T. 0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion:109 Resp: 9391

Ion	Ratio	Lower	Upper
109	100		
139	170.5	62.6	93.8#
65	396.0	90.4	135.6#



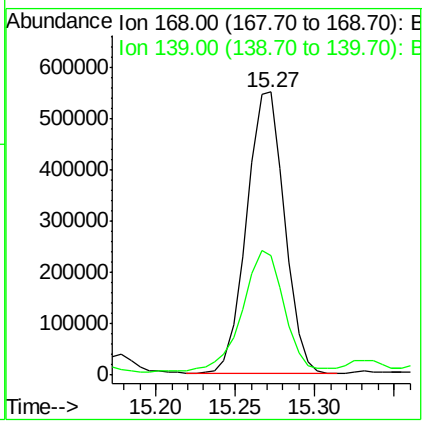


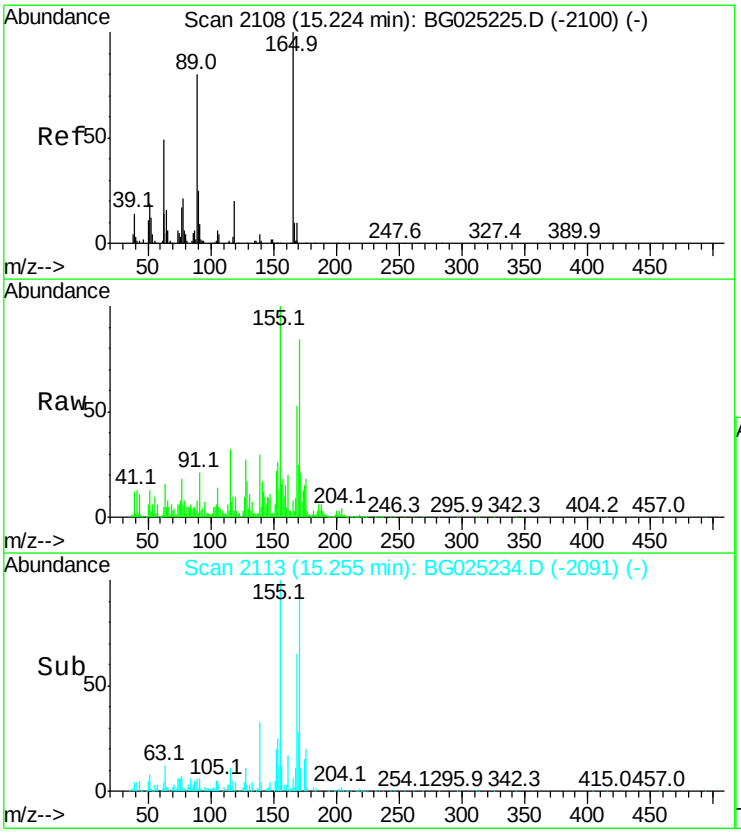
#53
Dibenzofuran
Concen: 41.07 ng/ul
RT: 15.27 min Scan# 2116
Delta R.T. 0.02 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:168 Resp: 914487

Ion	Ratio	Lower	Upper
168	100		
139	42.4	33.8	50.8

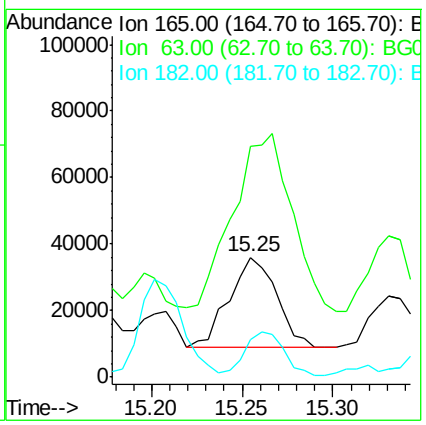


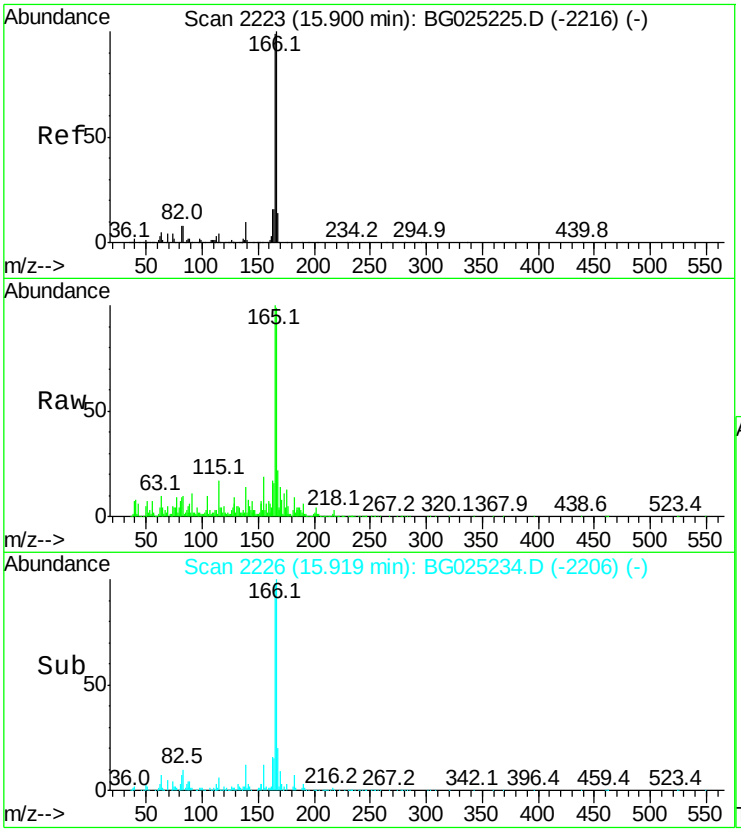


#54
2,4-Dinitrotoluene
Concen: 8.10 ng/ul
RT: 15.25 min Scan# 2113
Delta R.T. 0.03 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion:165 Resp: 49764

Ion	Ratio	Lower	Upper
165	100		
63	192.8	46.8	70.2#
182	31.2	1.8	2.6#



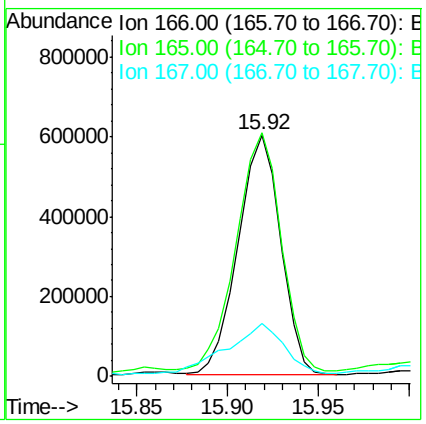


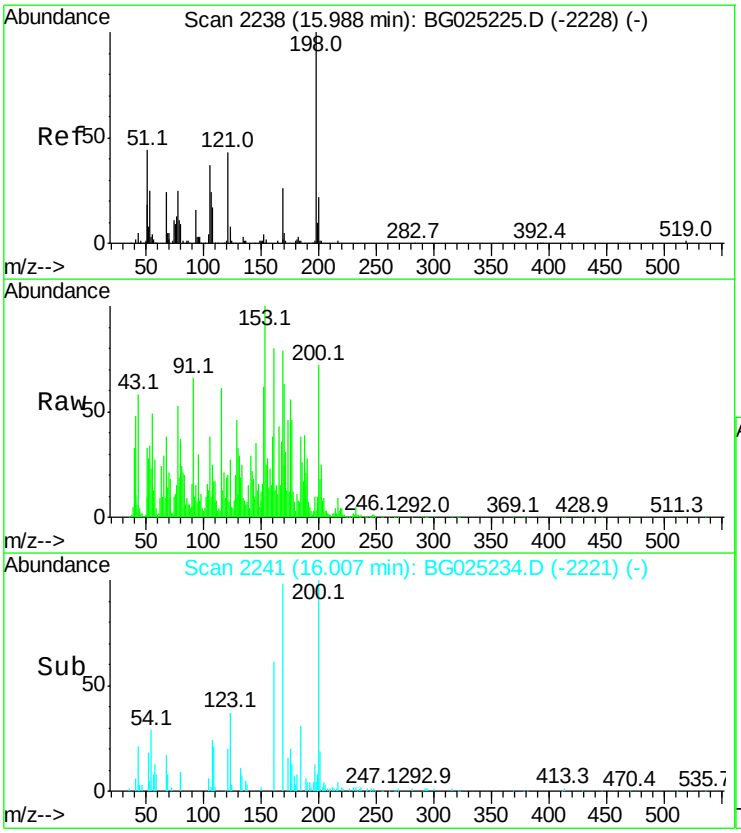
#58
Fluorene
Concen: 53.84 ng/ul
RT: 15.92 min Scan# 2226
Delta R.T. 0.02 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:166 Resp: 975830

Ion	Ratio	Lower	Upper
166	100		
165	100.8	79.7	119.5
167	22.1	11.4	17.2#

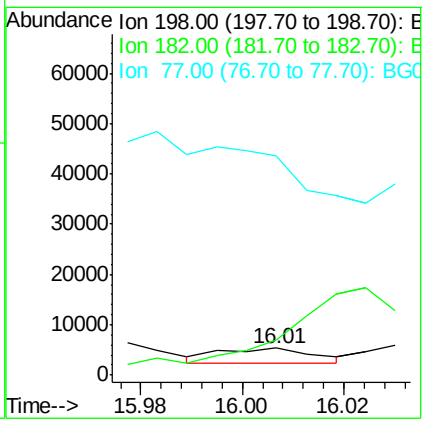


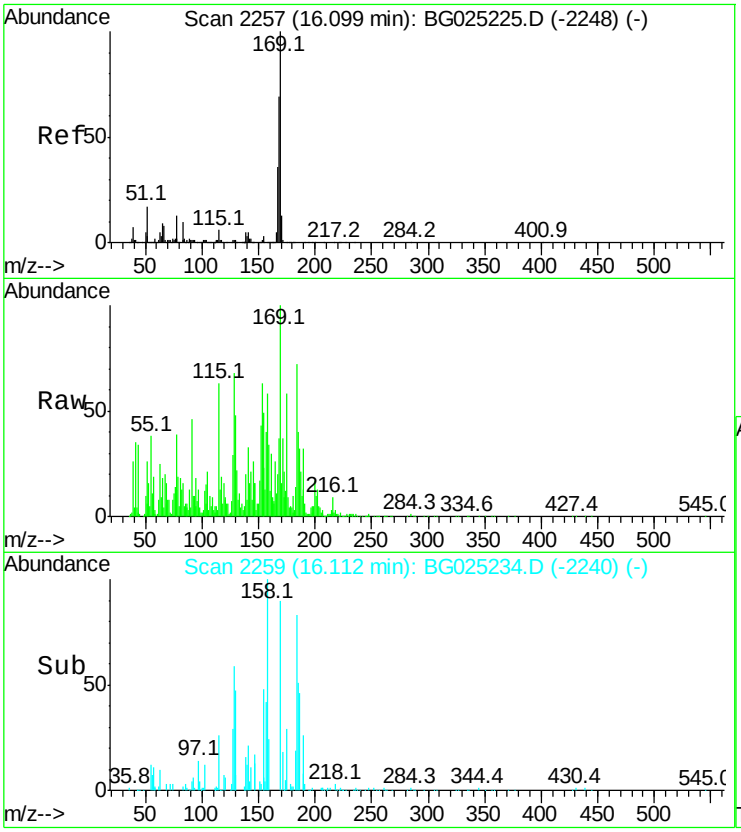


#63
4,6-Dinitro-2-methylphenol
Concen: 1.19 ng/ul
RT: 16.01 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion:198 Resp: 3949

Ion	Ratio	Lower	Upper
198	100		
182	127.9	5.8	6.4#
77	816.0	22.1	33.9#



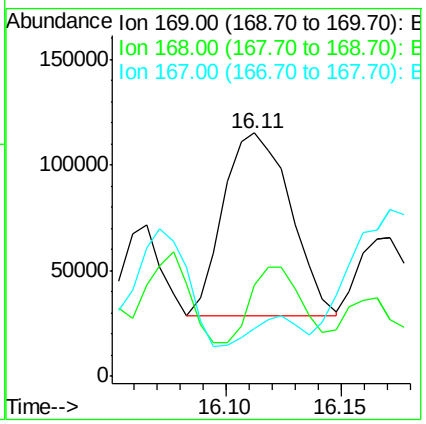


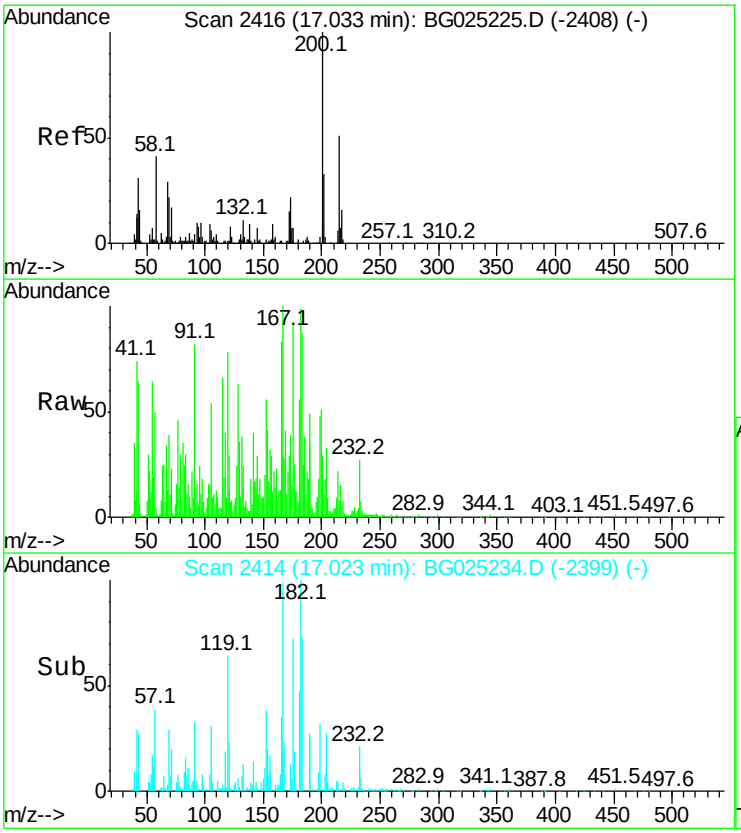
#64
N-Nitrosodiphenylamine
Concen: 13.03 ng/ul
RT: 16.11 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:169 Resp: 173802

Ion	Ratio	Lower	Upper
169	100		
168	37.3	59.1	88.7#
167	19.7	29.7	44.5#

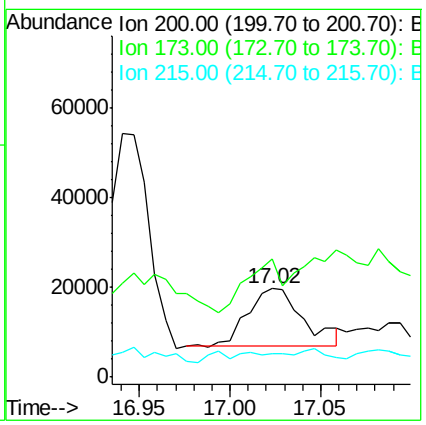


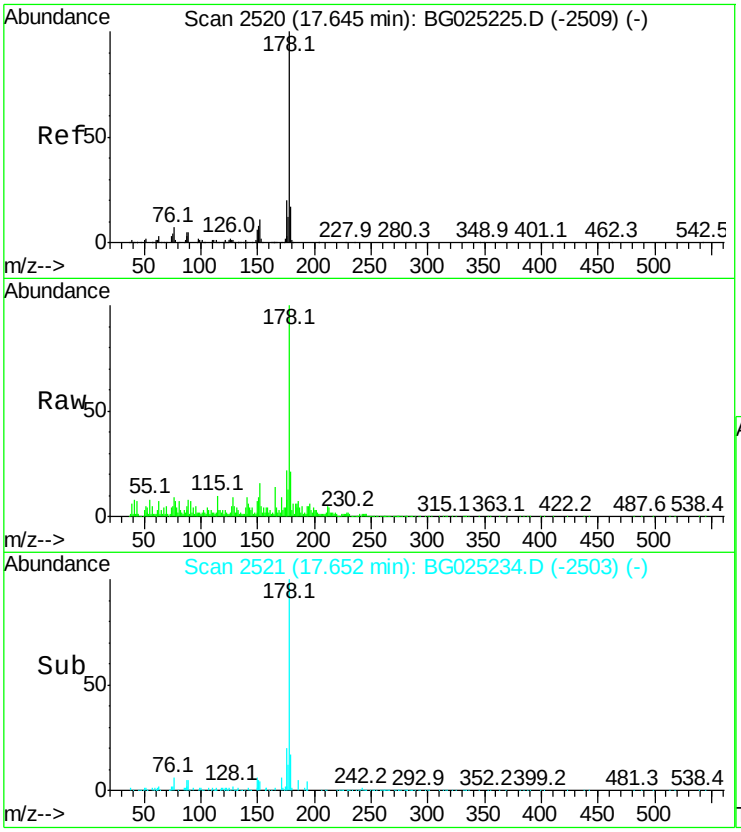


#67
Atrazine
Concen: 4.26 ng/ul
RT: 17.02 min Scan# 2414
Delta R.T. -0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion:200 Resp: 26993

Ion	Ratio	Lower	Upper
200	100		
173	133.0	19.2	28.8#
215	26.5	40.3	60.5#



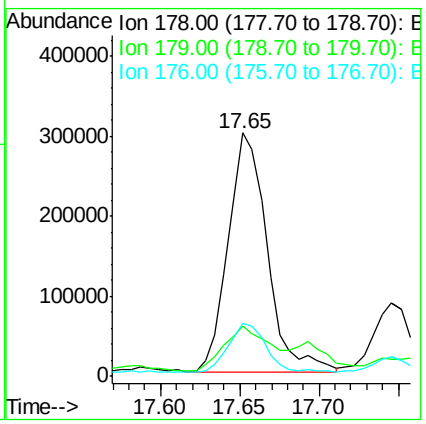


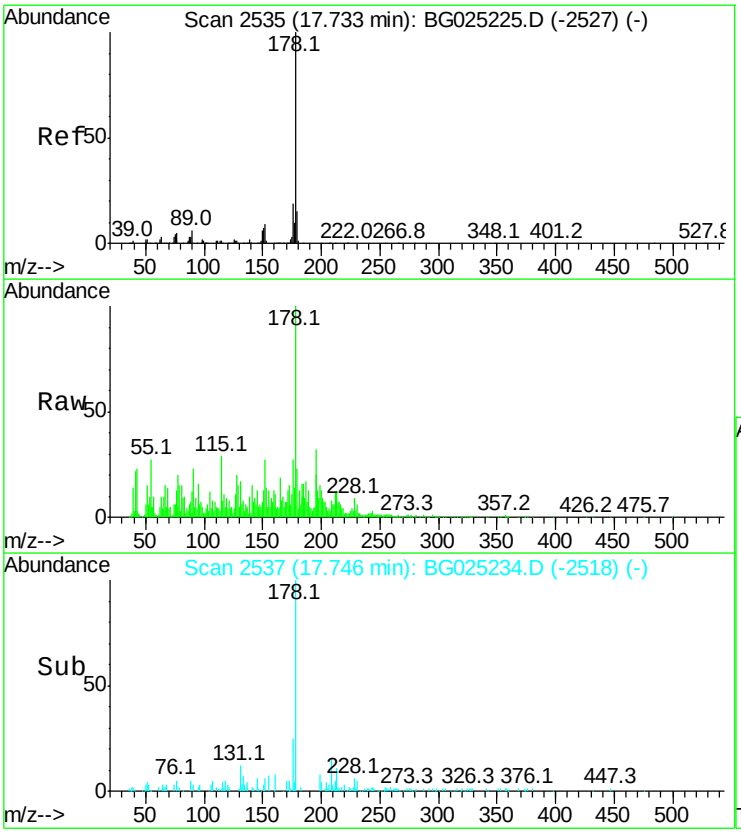
#69
Phenanthrene
Concen: 20.69 ng/ul
RT: 17.65 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:178 Resp: 511853

Ion	Ratio	Lower	Upper
178	100		
179	20.8	12.4	18.6#
176	21.8	16.5	24.7

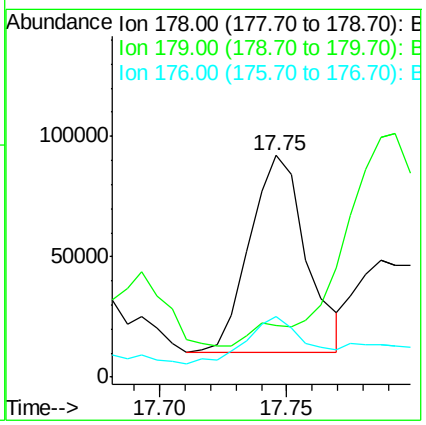


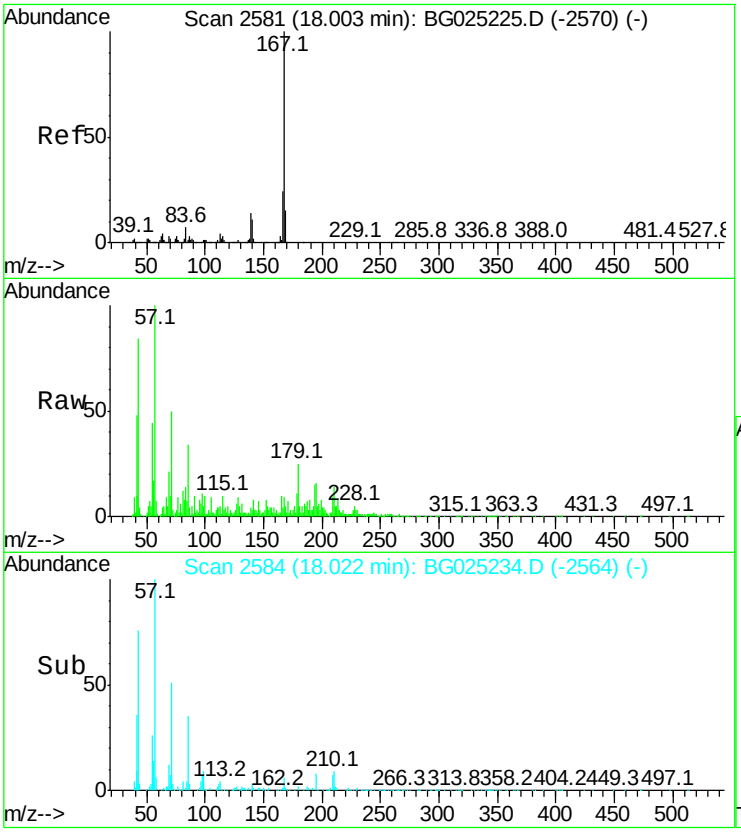


#71
Anthracene
Concen: 5.00 ng/ul
RT: 17.75 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion:178 Resp: 127261

Ion	Ratio	Lower	Upper
178	100		
179	23.5	12.6	19.0#
176	27.4	15.9	23.9#



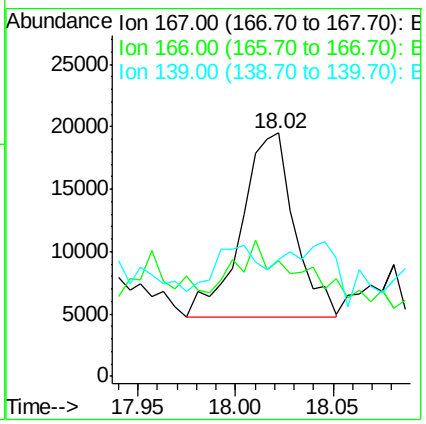


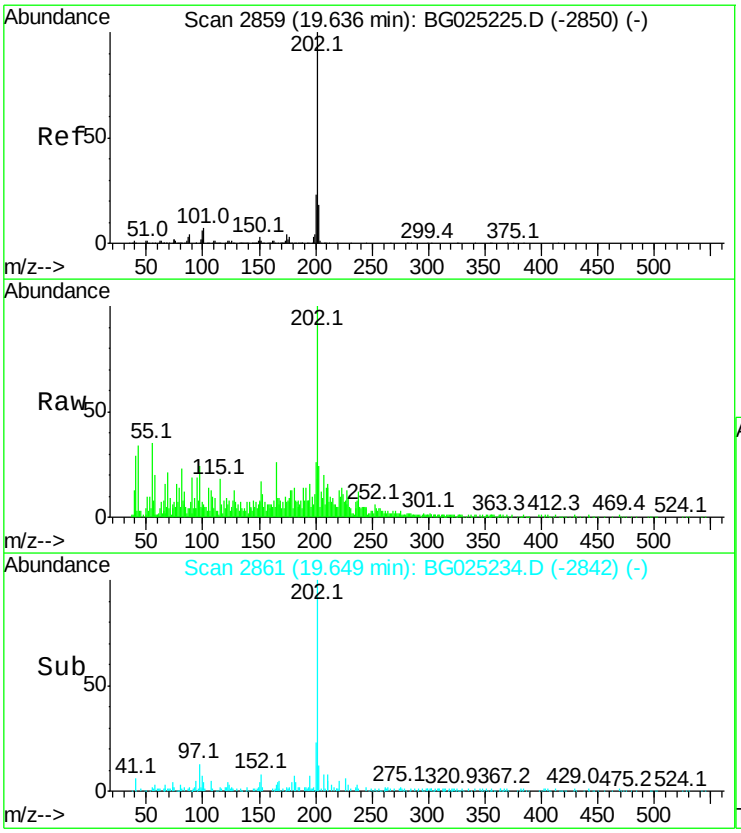
#72
Carbazole
Concen: 1.30 ng/ul
RT: 18.02 min Scan# 2584
Delta R.T. 0.02 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:167 Resp: 27539

Ion	Ratio	Lower	Upper
167	100		
166	47.4	17.9	26.9#
139	48.0	10.5	15.7#

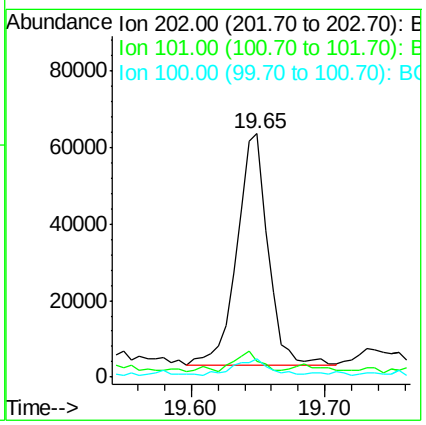


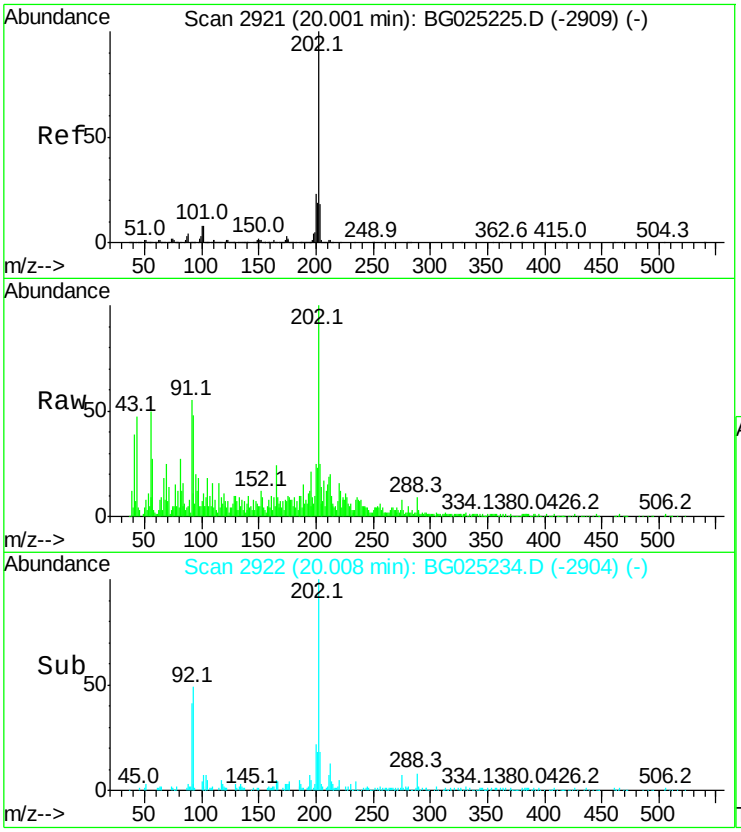


#74
Fluoranthene
Concen: 3.27 ng/ul
RT: 19.65 min Scan# 2861
Delta R.T. 0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Tgt Ion:202 Resp: 96281

Ion	Ratio	Lower	Upper
202	100		
101	6.4	6.2	9.2
100	7.4	5.2	7.8





#77
Pyrene
Concen: 3.44 ng/ul
RT: 20.01 min Scan# 2922
Delta R.T. 0.01 min
Lab File: BG025234.D
Acq: 16 Dec 2016 5:46

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:202 Resp: 104843

Ion	Ratio	Lower	Upper
202	100		
101	10.7	6.9	10.3#
100	6.8	6.6	10.0