Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052116\
Data File : BG022006.D
Acq On : 22 May 2016 10:41
Operator : UM/SJ
Sample : H3124-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

Quant Time: May 23 08:30:52 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 03:27:12 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	46334	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	213883	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	114116	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.55	188	202381	20.00	ng/ul	0.02
76) Chrysene-d12	21.81	240	202928	20.00	ng/ul	0.00
84) Perylene-d12	25.14	264	204491	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	3301	3.71	ng/uL	0.00
5) Phenol-d5	7.31	99	75418	18.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	43750	19.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	70382	20.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	60445	17.02	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	33523	21.25	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	35411	20.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	62355	20.25	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	90606	27.60	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	177950	20.76	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	258847	21.63	ng/ul	0.01
52) 4-Nitrophenol-d4	15.01	143	30295	20.52	ng/ul	0.03
58) Fluorene-d10	15.79	176	158609	19.76	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.89	200	28397	26.84	ng/ul	0.00
71) Anthracene-d10	17.65	188	220613	22.65	ng/ul	0.02
77) Pyrene-d10	19.92	212	227675	19.90	ng/ul	0.01
88) Benzo(a)pyrene-d12	24.91	264	213489	22.50	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	7.30	77	5623	2.44	ng/ul#	1
14) Acetophenone	8.96	105	24690	4.97	ng/ul#	38
15) N-Nitroso-di-n-propylamine	8.91	70	2841	1.11	ng/ul#	74
17) Hexachloroethane	9.27	117	11231	8.17	ng/ul#	10
20) Nitrobenzene	9.36	77	3509	1.10	ng/ul#	42
21) Isophorone	9.89	82	94053	13.82	ng/ul#	1
23) 2-Nitrophenol	10.08	139	6773	3.79	ng/ul#	1
28) Naphthalene	11.03	128	46836	4.32	ng/ul#	81
32) Caprolactam	11.89	113	2904	2.45	ng/ul#	1
33) 4-Chloro-3-methylphenol	12.27	107	3232	1.03	ng/ul#	19
34) 2-Methylnaphthalene	12.63	142	51614	6.66	ng/ul	96
35) 1-Methylnaphthalene	12.85	142	56326	7.21	ng/ul#	97
39) 2,4,6-Trichlorophenol	13.24	196	5417	2.37	ng/ul#	12
40) 2,4,5-Trichlorophenol	13.33	196	5493	2.26	ng/ul#	29
41) 1,1'-Biphenyl	13.63	154	13522	1.44	ng/ul#	75
43) 2-Nitroaniline	14.17	65	3154	2.00	ng/ul	87
45) Dimethylphthalate	14.24	163	127949	14.86	ng/ul#	66
46) 2,6-Dinitrotoluene	14.34	165	19236	10.41	ng/ul#	30
49) 3-Nitroaniline	14.71	138	16156	9.45	ng/ul#	31
53) 4-Nitrophenol	15.02	109	24404	29.32	ng/ul#	1
54) Dibenzofuran	15.19	168	14688	1.41	ng/ul#	1
55) 2,4-Dinitrotoluene	15.15	165	3271	1.31	ng/ul#	67
57) Diethylphthalate	15.59	149	9979	1.12	ng/ul#	26

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052116\
Data File : BG022006.D
Acq On : 22 May 2016 10:41
Operator : UM/SJ
Sample : H3124-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

Quant Time: May 23 08:30:52 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 03:27:12 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
59) Fluorene	15.85	166	22049	2.51 ng/ul#	32
64) 4,6-Dinitro-2-methylphenol	15.89	198	4959	4.53 ng/ul#	1
65) N-Nitrosodiphenylamine	16.05	169	248710	38.87 ng/ul#	42
68) Atrazine	16.94	200	3376	1.53 ng/ul#	1
70) Phenanthrene	17.59	178	28958	2.57 ng/ul#	20
78) Pyrene	19.95	202	20869	1.46 ng/ul#	83

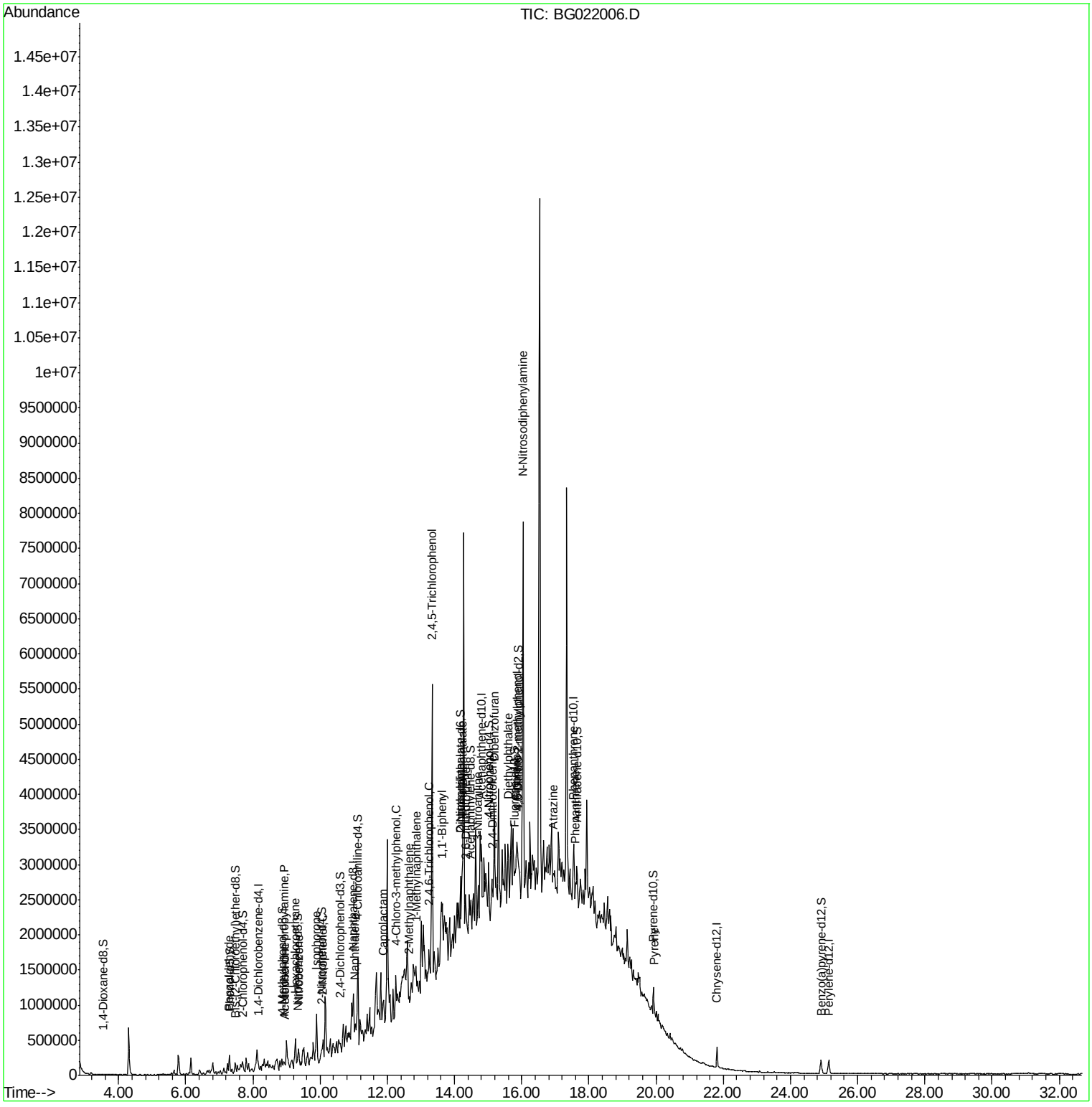
(#) = qualifier out of range (m) = manual integration (+) = signals summed

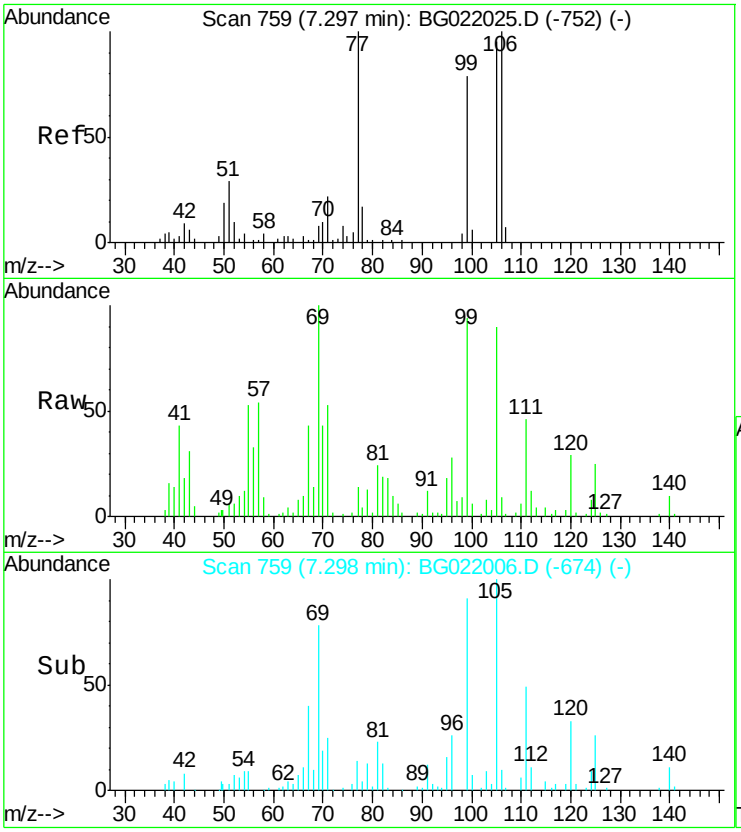
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052116\
Data File : BG022006.D
Acq On : 22 May 2016 10:41
Operator : UM/SJ
Sample : H3124-19
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: May 23 08:30:52 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 03:27:12 2016
Response via : Initial Calibration



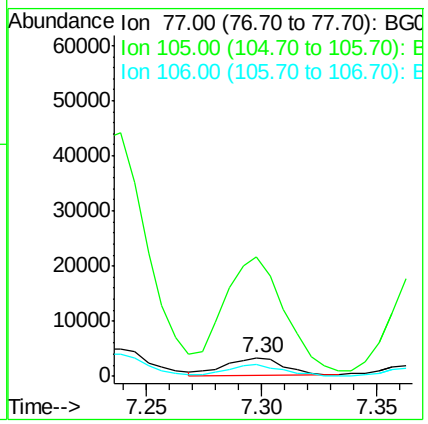


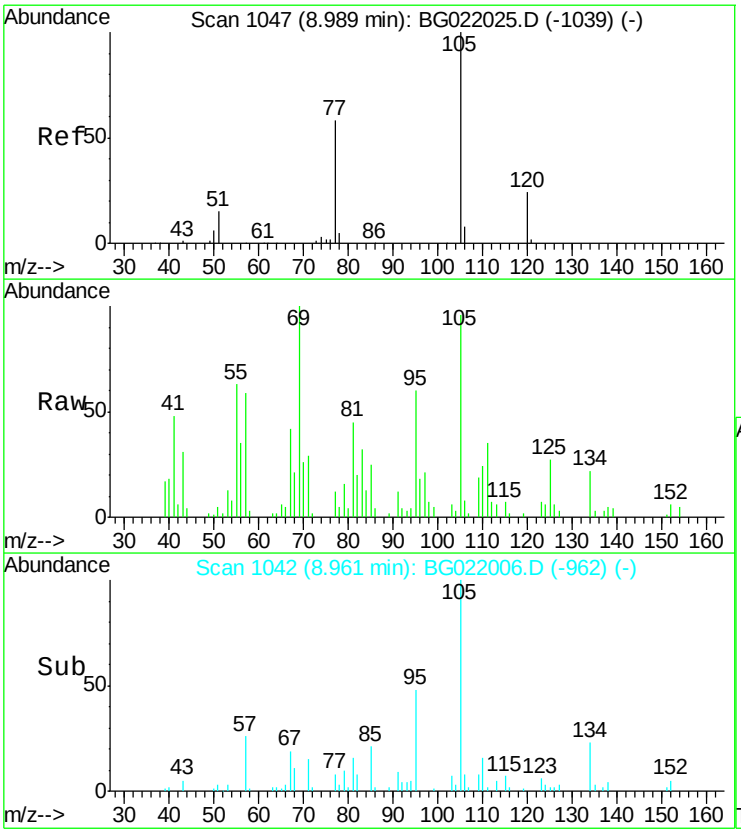
#4
Benzaldehyde
Concen: 2.44 ng/ul
RT: 7.30 min Scan# 759
Delta R.T. 0.00 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 77 Resp: 5623

Ion	Ratio	Lower	Upper
77	100		
105	641.2	83.8	125.8#
106	64.0	77.9	116.9#

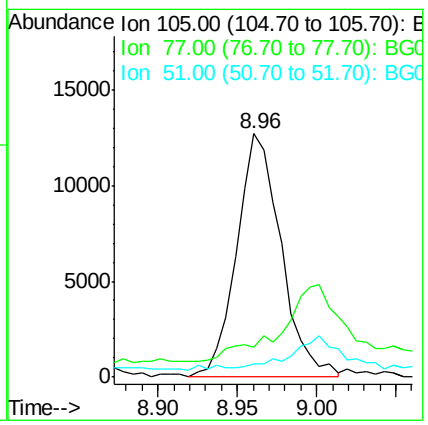


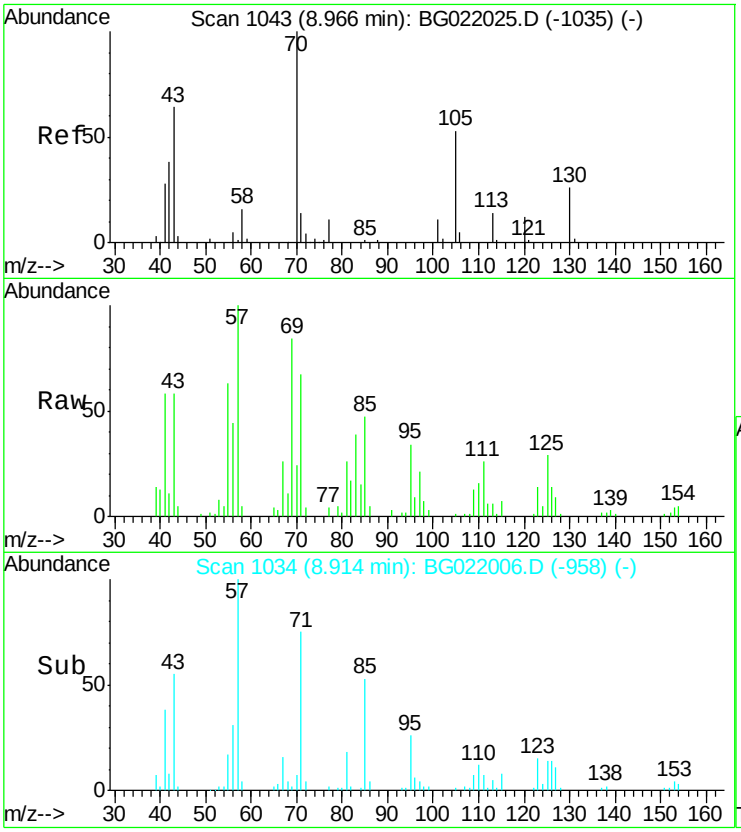


#14
Acetophenone
Concen: 4.97 ng/ul
RT: 8.96 min Scan# 1042
Delta R.T. -0.03 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Tgt Ion:105 Resp: 24690

Ion	Ratio	Lower	Upper
105	100		
77	12.2	56.1	84.1#
51	5.7	14.6	22.0#



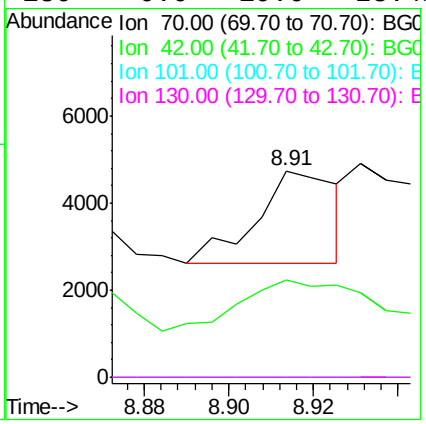


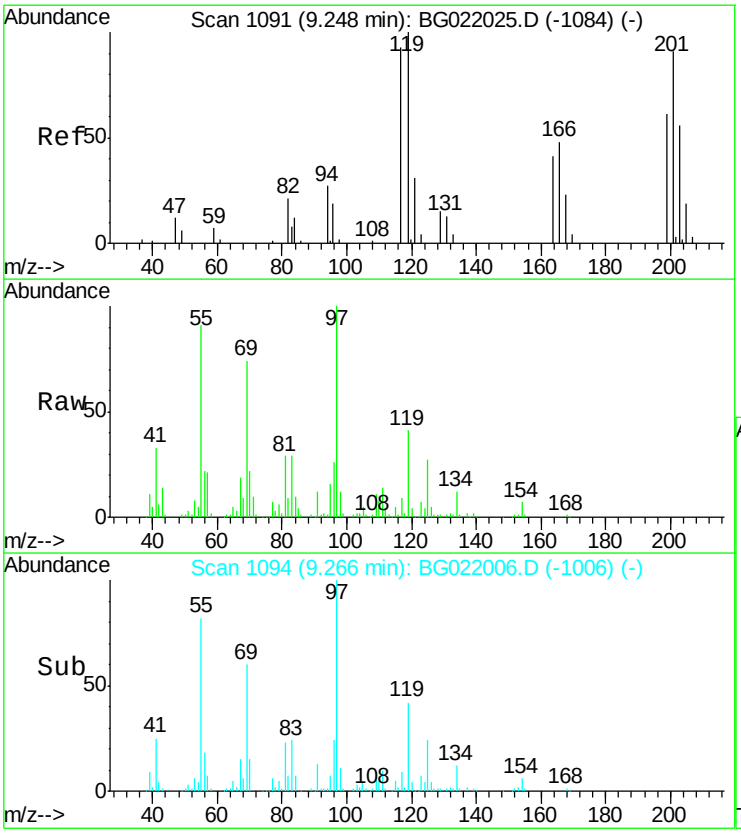
#15
N-Nitroso-di-n-propylamine
Concen: 1.11 ng/ul
RT: 8.91 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 70 Resp: 2841

Ion	Ratio	Lower	Upper
70	100		
42	47.1	31.4	47.2
101	0.0	8.6	13.0#
130	0.0	19.0	28.4#

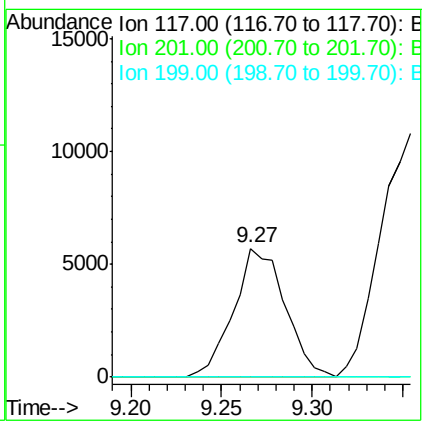


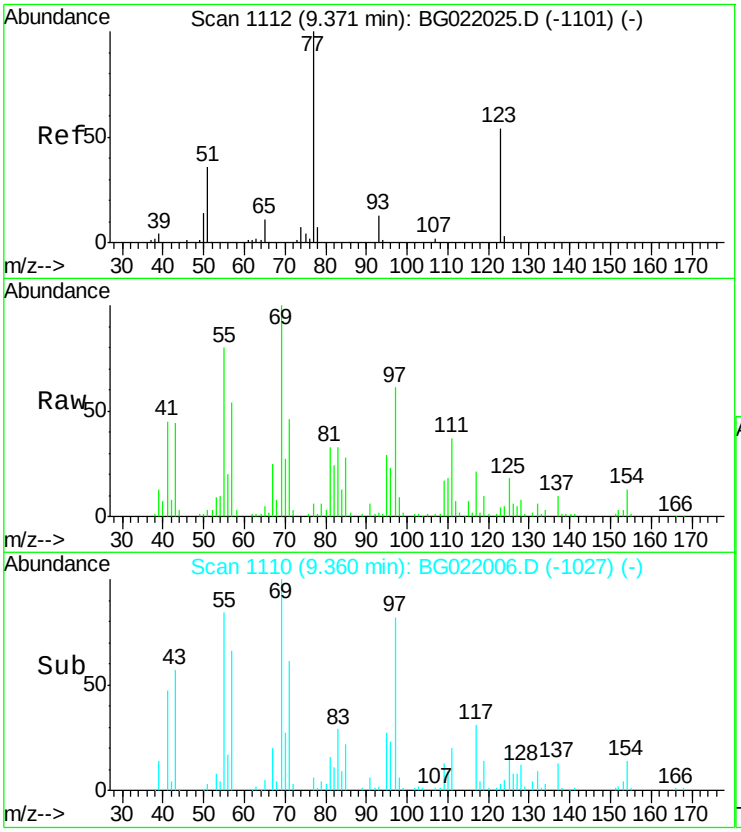


#17
Hexachloroethane
Concen: 8.17 ng/ul
RT: 9.27 min Scan# 1094
Delta R.T. 0.02 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Tgt Ion:117 Resp: 11231

Ion	Ratio	Lower	Upper
117	100		
201	0.0	76.8	115.2#
199	0.0	43.5	65.3#



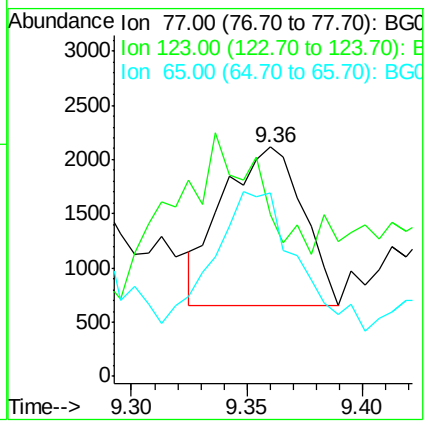


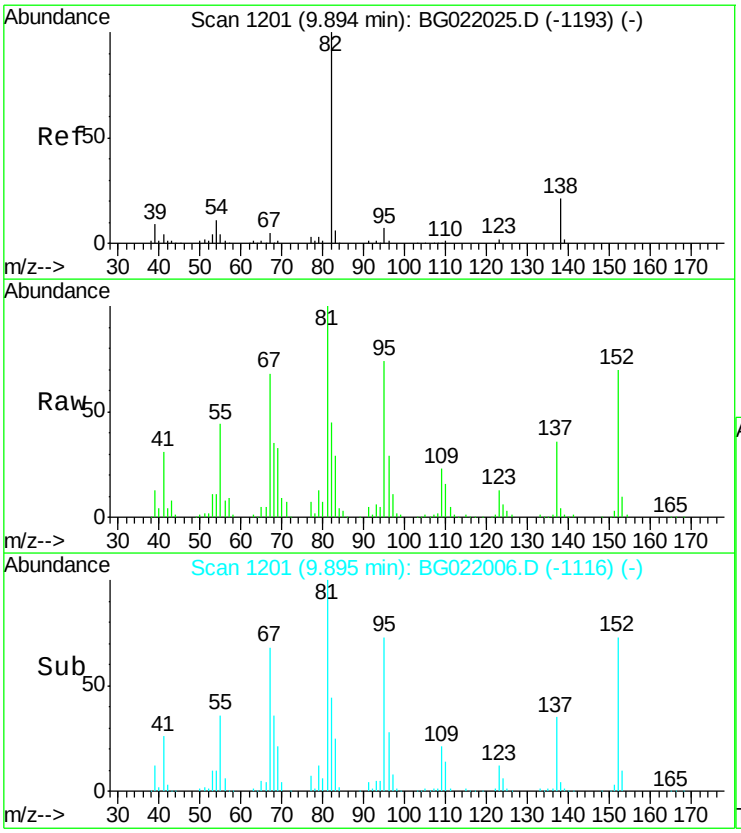
#20
Nitrobenzene
Concen: 1.10 ng/ul
RT: 9.36 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 77 Resp: 3509

Ion	Ratio	Lower	Upper
77	100		
123	70.3	39.5	59.3#
65	80.1	9.0	13.4#

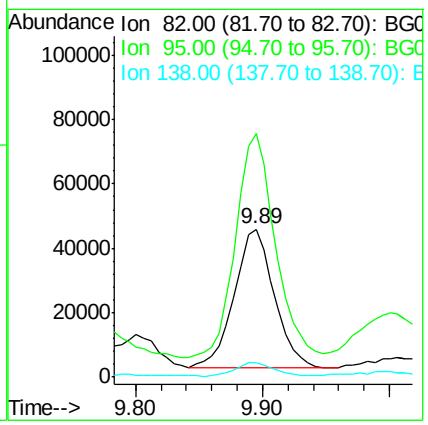


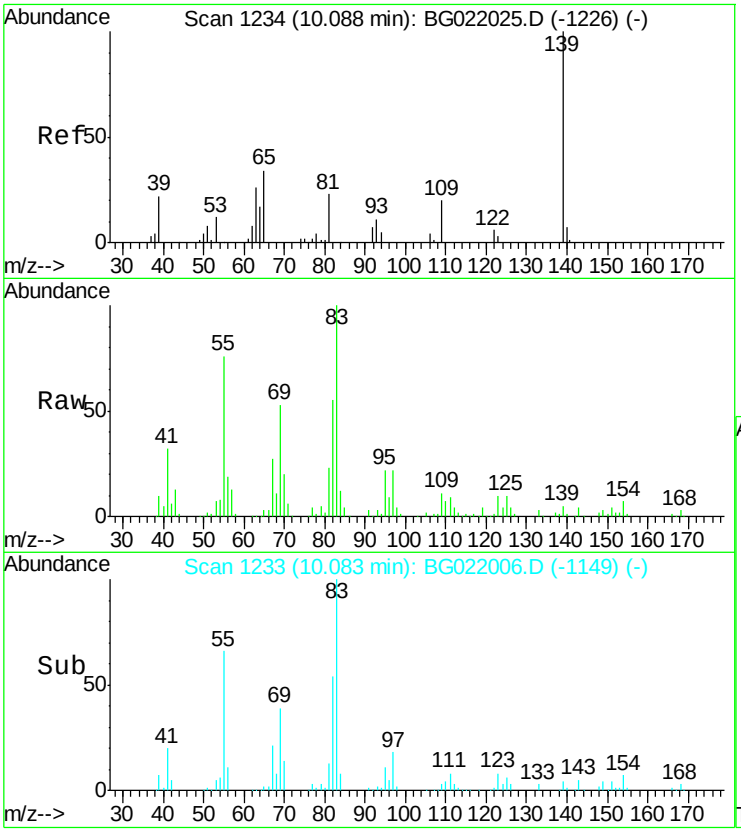


#21
Isophorone
Concen: 13.82 ng/ul
RT: 9.89 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Tgt Ion: 82 Resp: 94053

Ion	Ratio	Lower	Upper
82	100		
95	164.4	5.1	7.7#
138	9.6	15.0	22.6#



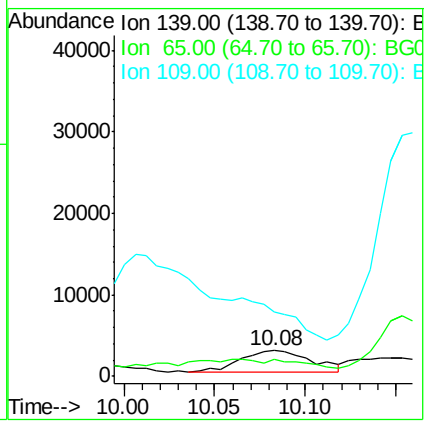


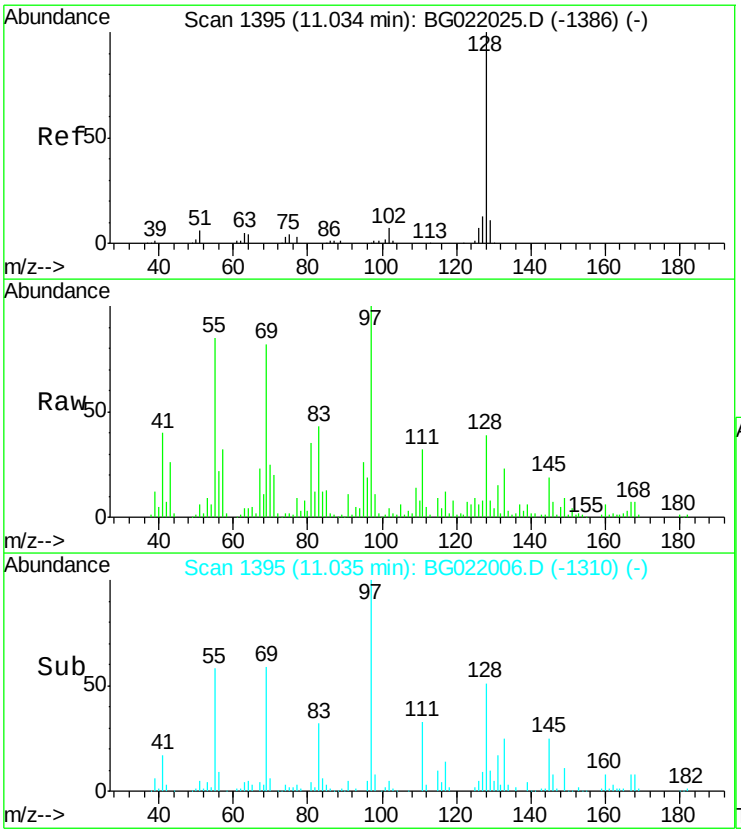
#23
2-Nitrophenol
Concen: 3.79 ng/ul
RT: 10.08 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:139 Resp: 6773

Ion	Ratio	Lower	Upper
139	100		
65	67.4	31.8	47.8#
109	250.6	17.1	25.7#

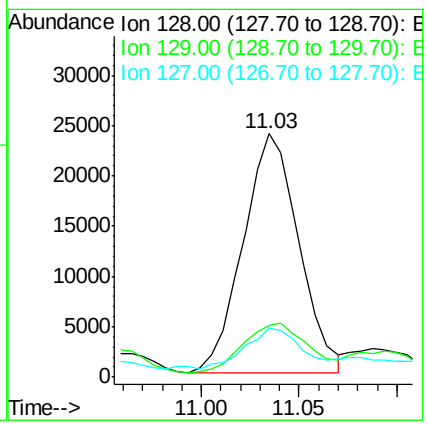


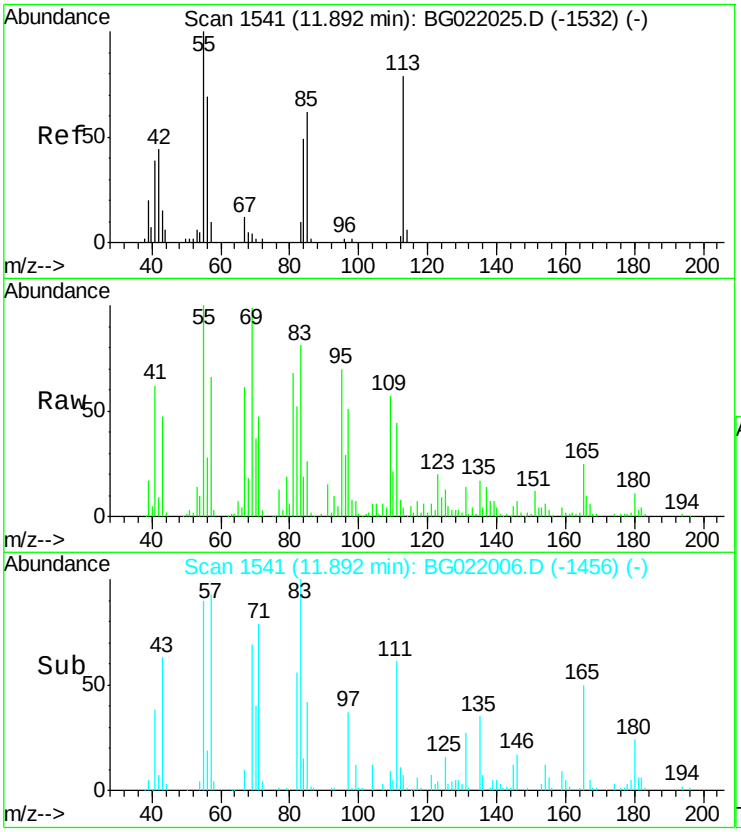


#28
Naphthalene
Concen: 4.32 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Tgt Ion:128 Resp: 46836

Ion	Ratio	Lower	Upper
128	100		
129	21.0	9.4	14.2#
127	20.2	11.2	16.8#



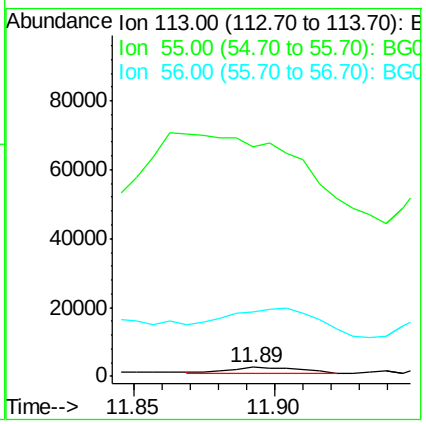


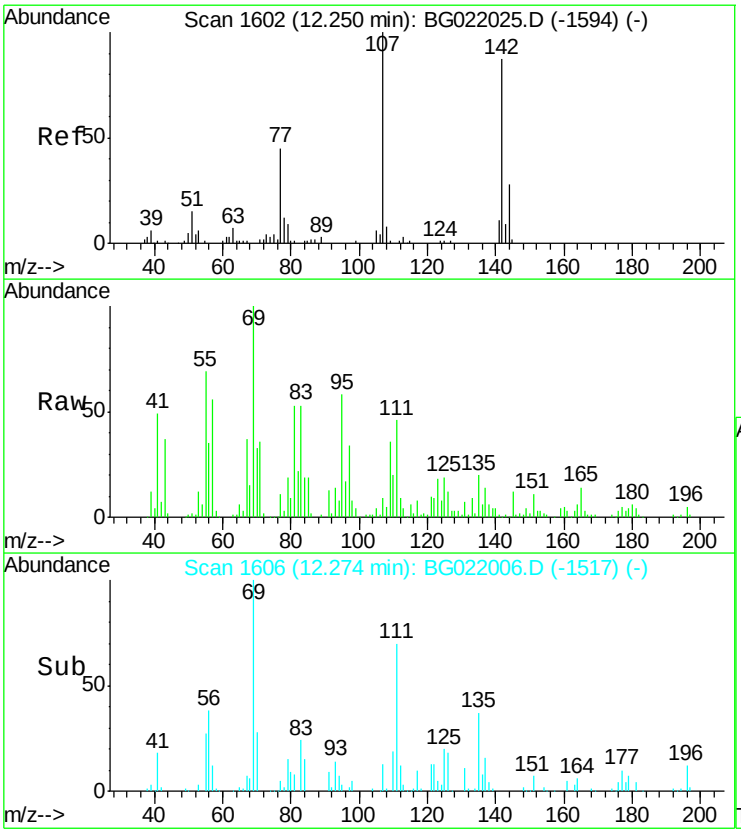
#32
Caprolactam
Concen: 2.45 ng/ul
RT: 11.89 min Scan# 1541
Delta R.T. 0.00 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:113 Resp: 2904

Ion	Ratio	Lower	Upper
113	100		
55	2614.0	99.6	149.4#
56	735.0	66.4	99.6#

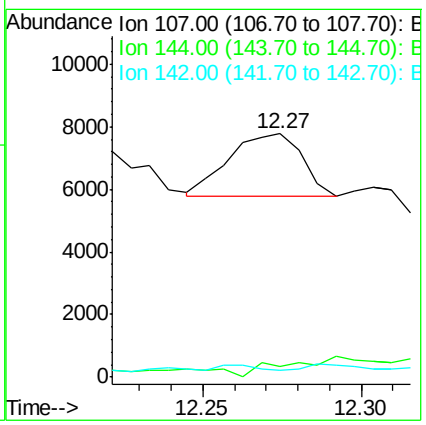


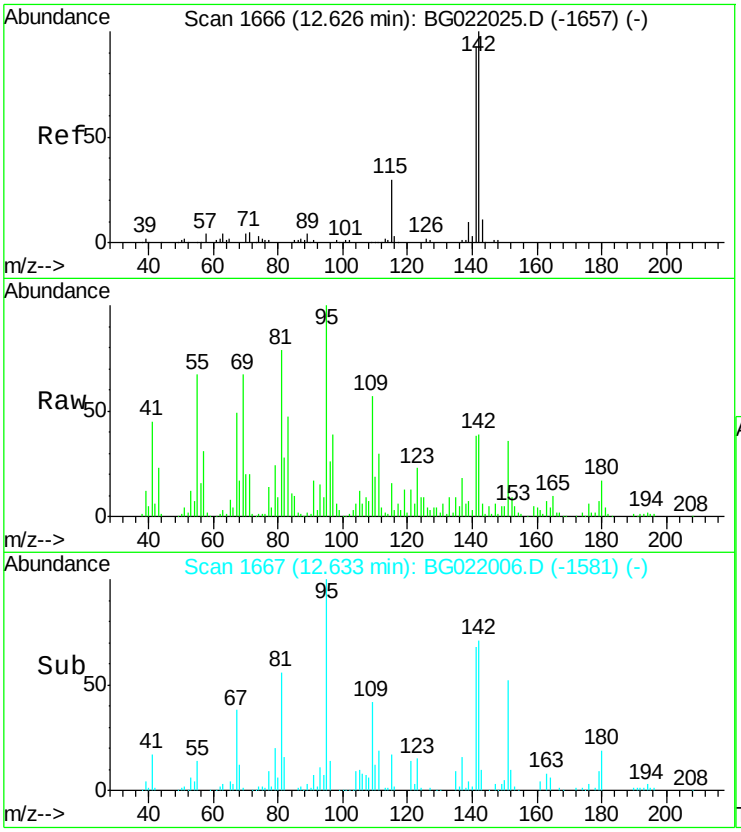


#33
4-Chloro-3-methylphenol
Concen: 1.03 ng/ul
RT: 12.27 min Scan# 1606
Delta R.T. 0.02 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Tgt Ion:107 Resp: 3232

Ion	Ratio	Lower	Upper
107	100		
144	4.6	22.7	34.1#
142	2.7	71.6	107.4#



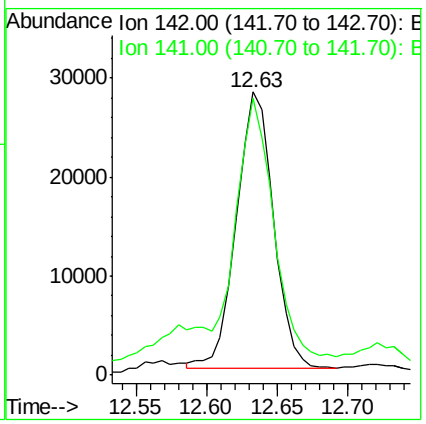


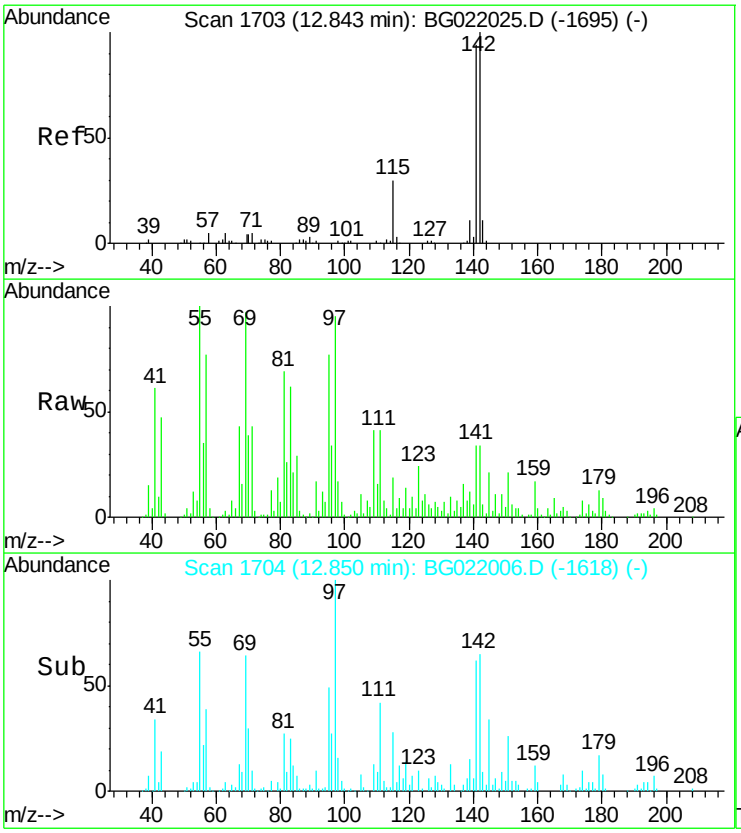
#34
2-Methylnaphthalene
Concen: 6.66 ng/ul
RT: 12.63 min Scan# 1667
Delta R.T. 0.01 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:142 Resp: 51614

Ion	Ratio	Lower	Upper
142	100		
141	97.7	75.2	112.8

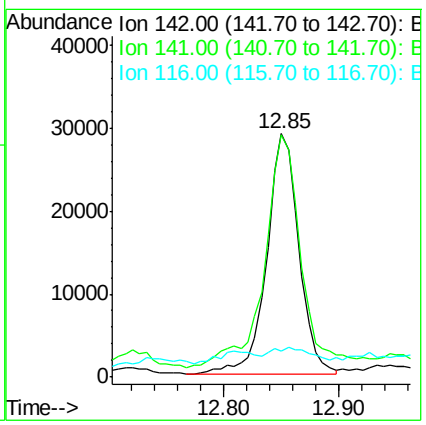


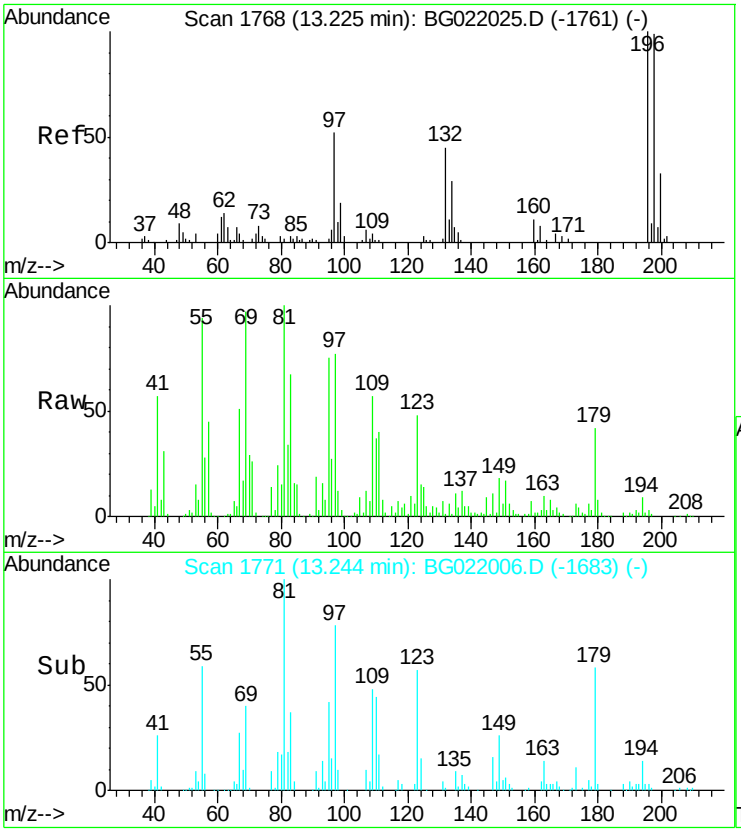


#35
1-Methylnaphthalene
Concen: 7.21 ng/ul
RT: 12.85 min Scan# 1704
Delta R.T. 0.01 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Tgt Ion:142 Resp: 56326

Ion	Ratio	Lower	Upper
142	100		
141	99.8	78.3	117.5
116	10.6	2.9	4.3#



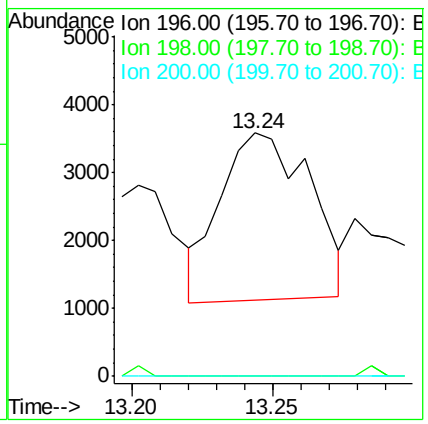


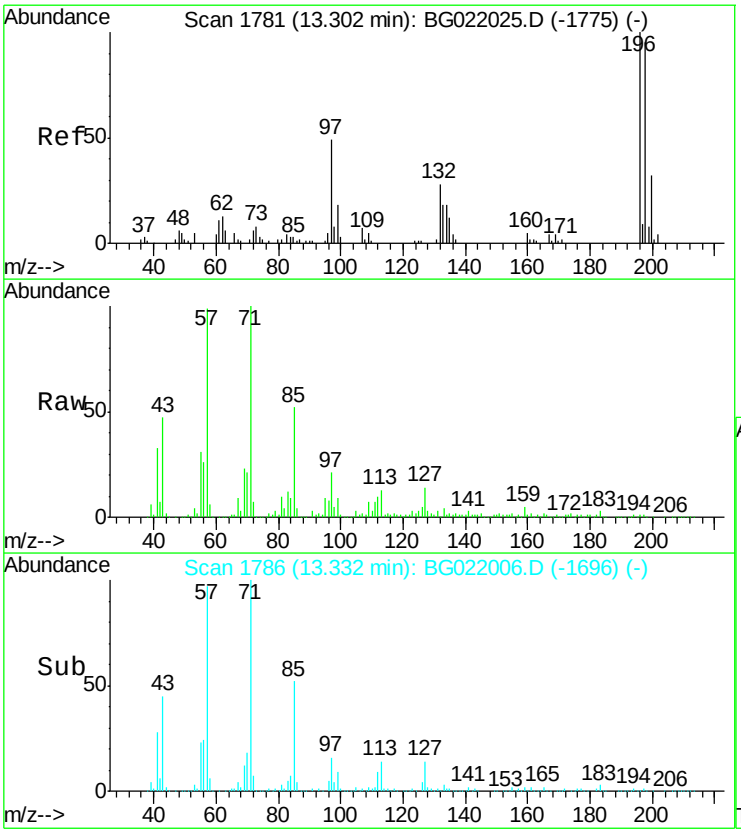
#39
2,4,6-Trichlorophenol
Concen: 2.37 ng/ul
RT: 13.24 min Scan# 1771
Delta R.T. 0.02 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:196 Resp: 5417

Ion	Ratio	Lower	Upper
196	100		
198	0.0	77.4	116.0#
200	0.0	26.6	39.8#

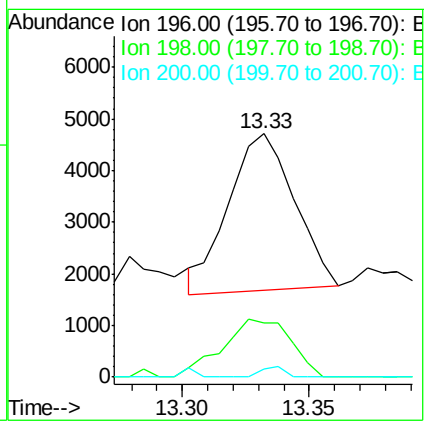


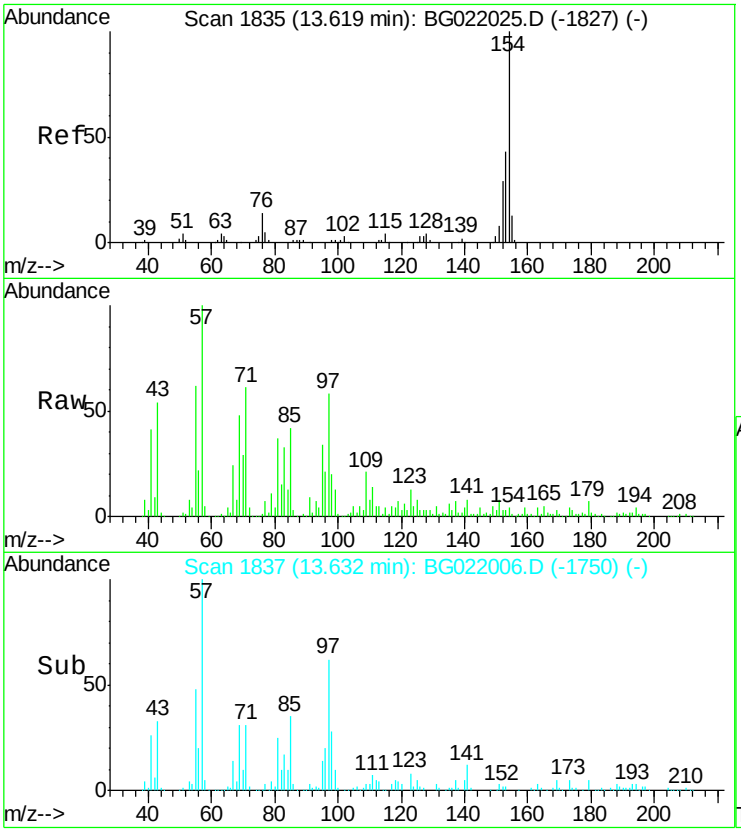


#40
2,4,5-Trichlorophenol
Concen: 2.26 ng/ul
RT: 13.33 min Scan# 1786
Delta R.T. 0.03 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Tgt Ion:196 Resp: 5493

Ion	Ratio	Lower	Upper
196	100		
198	22.5	79.8	119.8#
200	3.2	24.0	36.0#



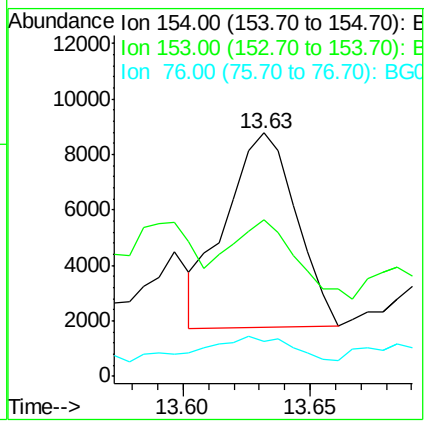


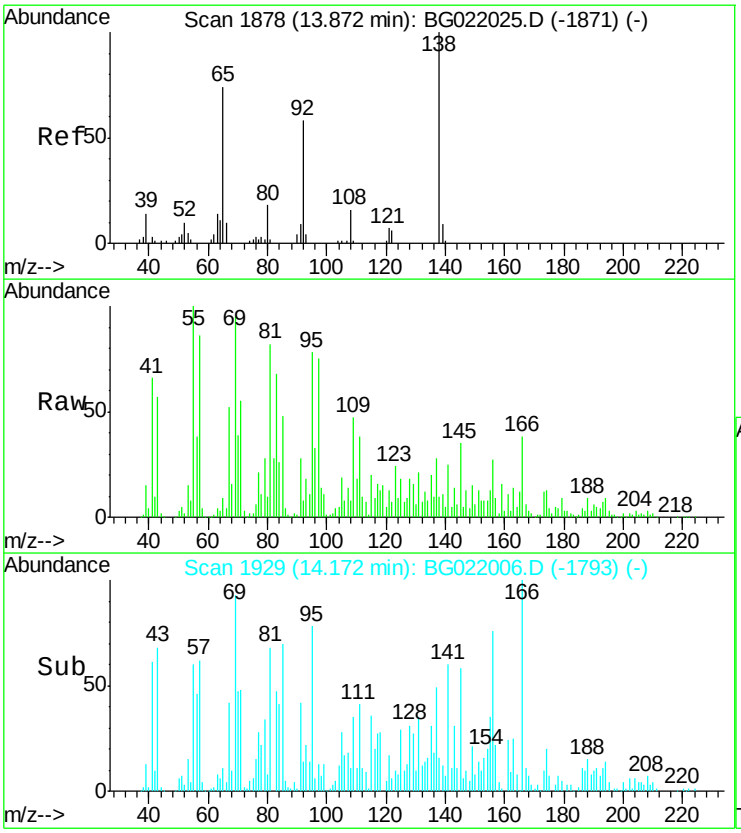
#41
1,1'-Biphenyl
Concen: 1.44 ng/ul
RT: 13.63 min Scan# 1837
Delta R.T. 0.01 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:154 Resp: 13522

Ion	Ratio	Lower	Upper
154	100		
153	64.4	34.6	52.0#
76	14.3	11.9	17.9

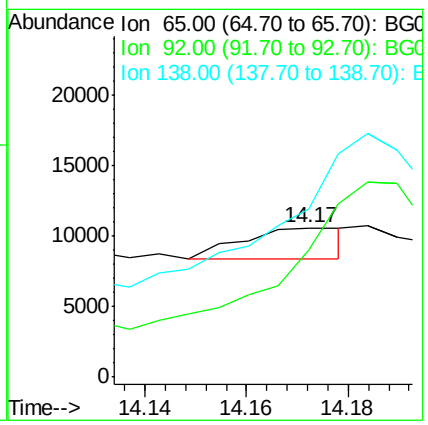


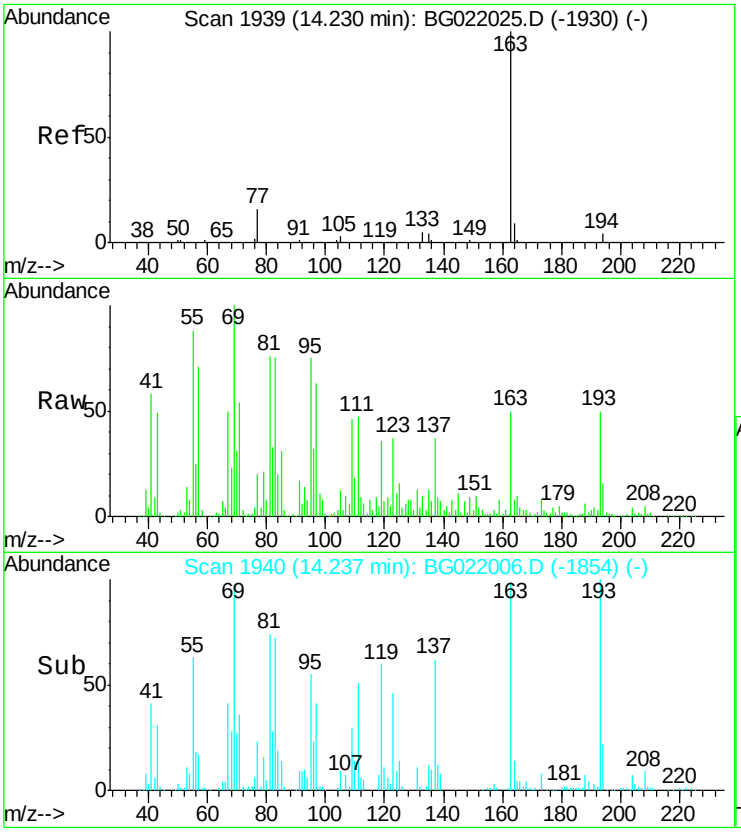


#43
2-Nitroaniline
Concen: 2.00 ng/ul
RT: 14.17 min Scan# 1929
Delta R.T. 0.30 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Tgt Ion: 65 Resp: 3154

Ion	Ratio	Lower	Upper
65	100		
92	85.3	67.1	100.7
138	112.8	109.6	164.4



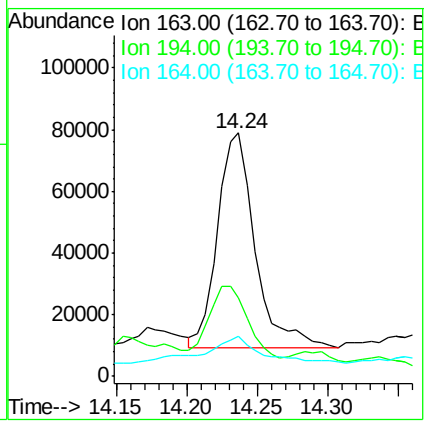


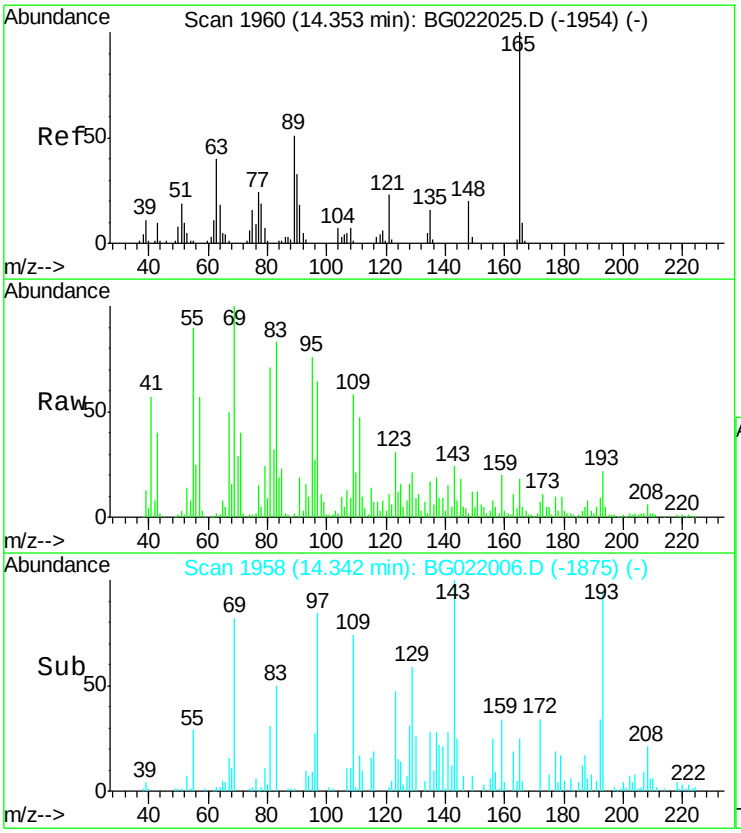
#45
Dimethylphthalate
Concen: 14.86 ng/ul
RT: 14.24 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:163 Resp: 127949

Ion	Ratio	Lower	Upper
163	100		
194	32.3	3.4	5.2#
164	16.3	8.8	13.2#

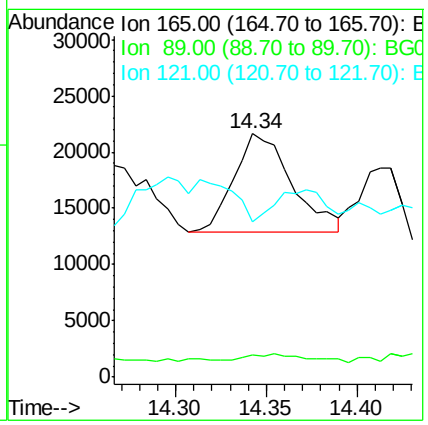


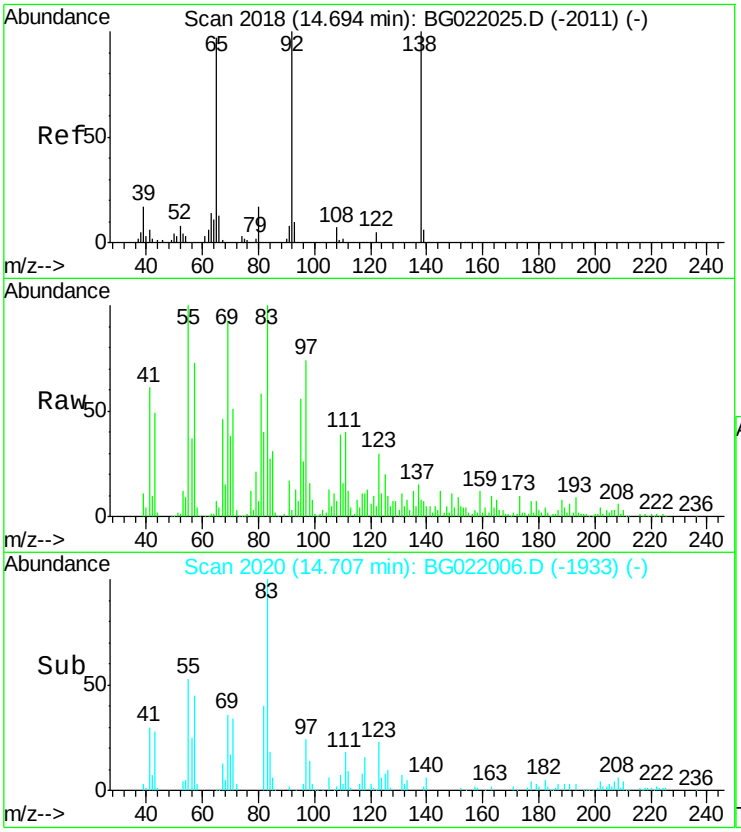


#46
2,6-Dinitrotoluene
Concen: 10.41 ng/ul
RT: 14.34 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Tgt Ion:165 Resp: 19236

Ion	Ratio	Lower	Upper
165	100		
89	9.1	41.5	62.3#
121	63.7	17.0	25.4#



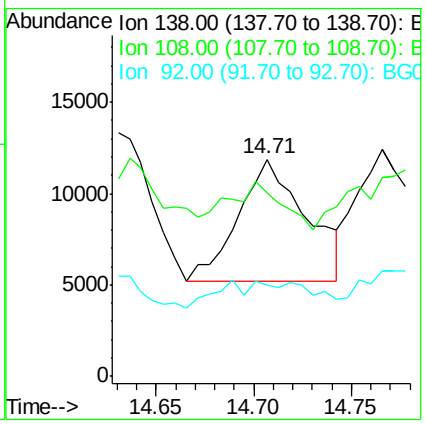


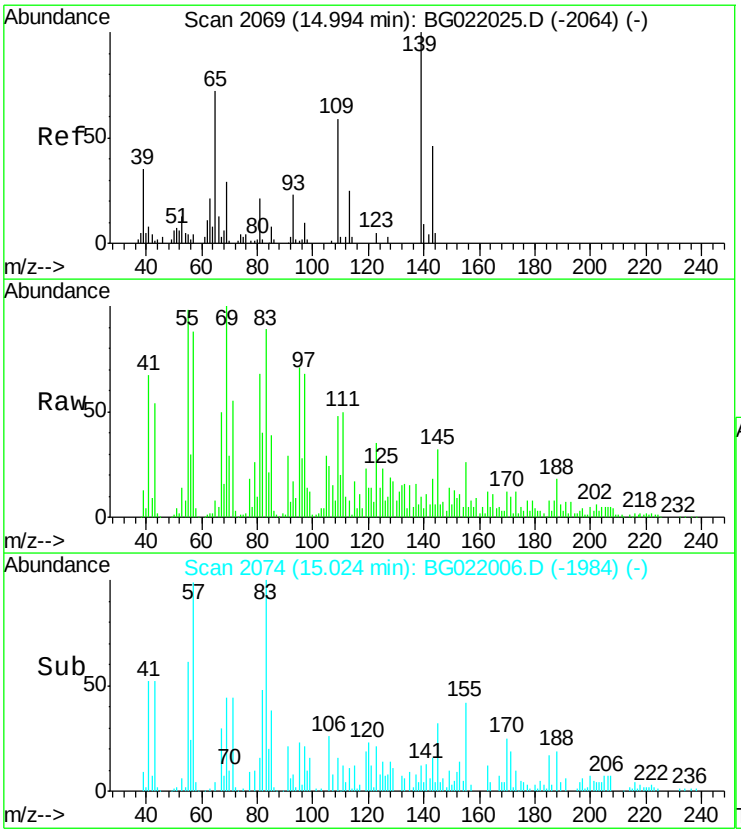
#49
3-Nitroaniline
Concen: 9.45 ng/ul
RT: 14.71 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:138 Resp: 16156

Ion	Ratio	Lower	Upper
138	100		
108	84.7	6.2	9.2#
92	41.8	79.3	118.9#

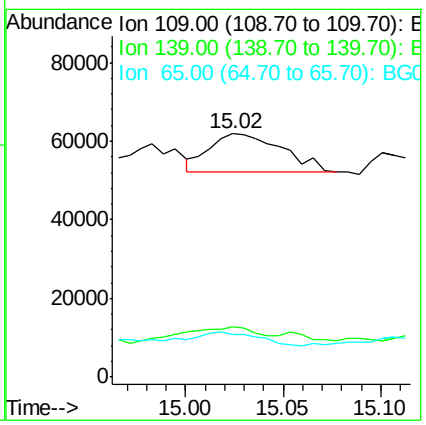


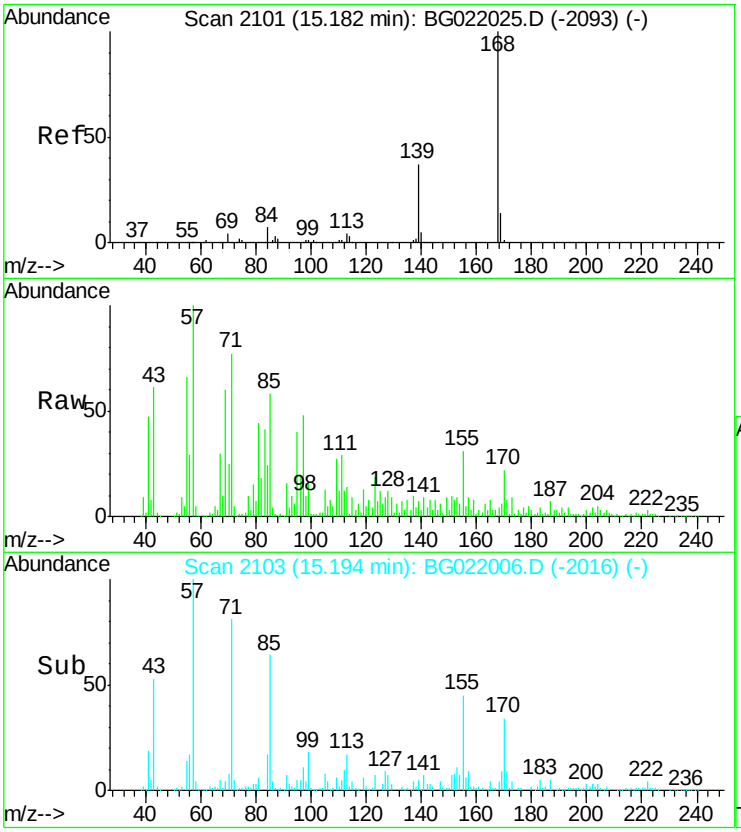


#53
4-Nitrophenol
Concen: 29.32 ng/ul
RT: 15.02 min Scan# 2074
Delta R.T. 0.03 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Tgt Ion:109 Resp: 24404

Ion	Ratio	Lower	Upper
109	100		
139	20.6	136.1	204.1#
65	17.6	106.0	159.0#



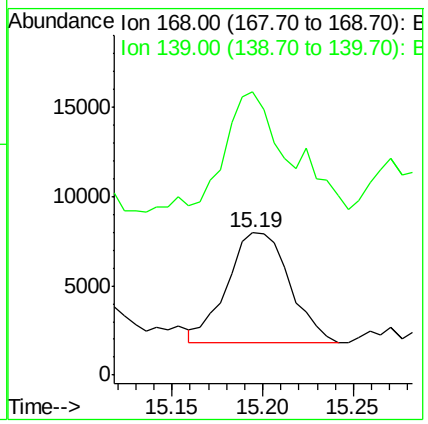


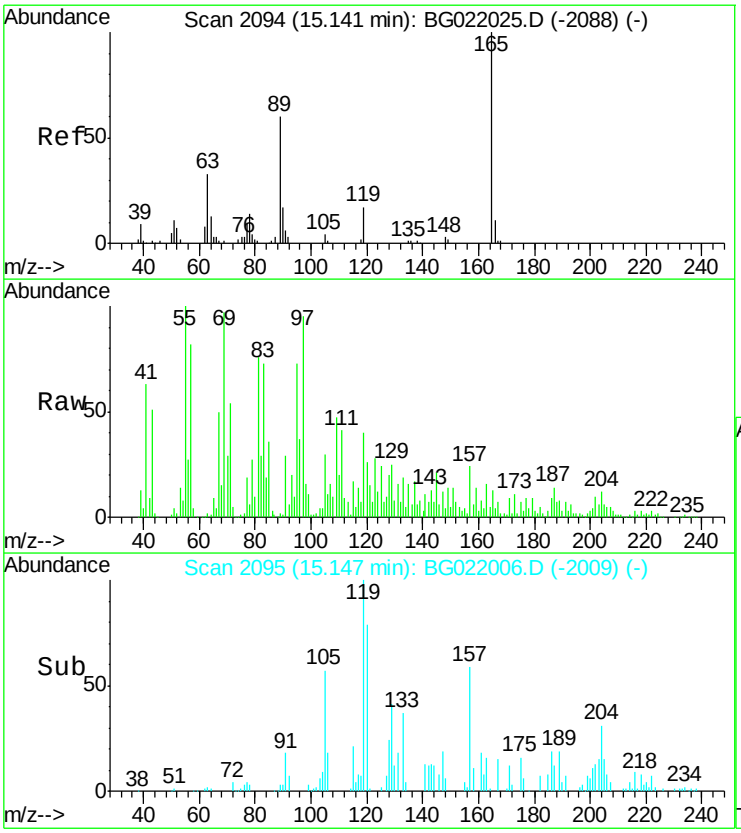
#54
Dibenzofuran
Concen: 1.41 ng/ul
RT: 15.19 min Scan# 2103
Delta R.T. 0.01 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:168 Resp: 14688

Ion	Ratio	Lower	Upper
168	100		
139	198.6	27.4	41.0#

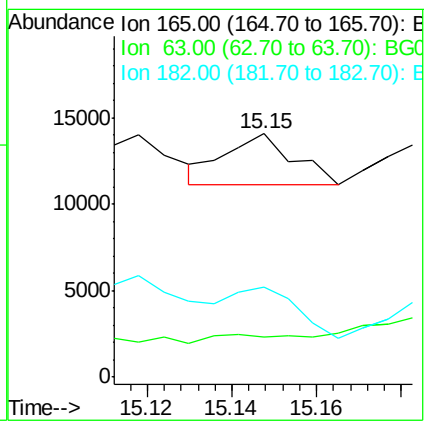


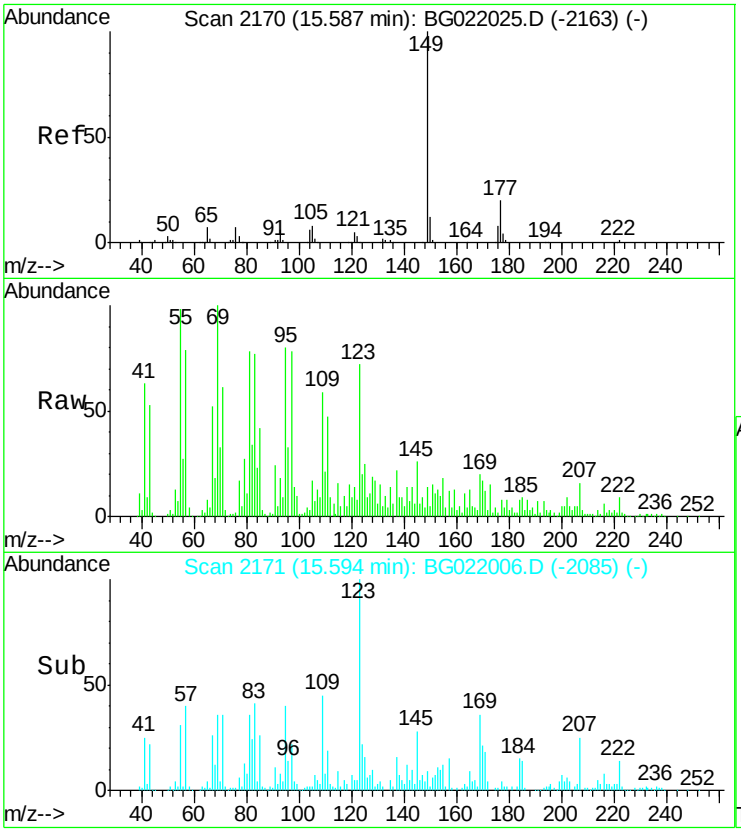


#55
2,4-Dinitrotoluene
Concen: 1.31 ng/ul
RT: 15.15 min Scan# 2095
Delta R.T. 0.01 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Tgt Ion:165 Resp: 3271

Ion	Ratio	Lower	Upper
165	100		
63	16.5	25.7	38.5#
182	36.8	2.1	3.1#



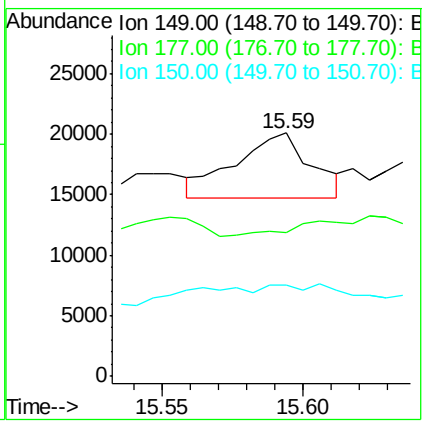


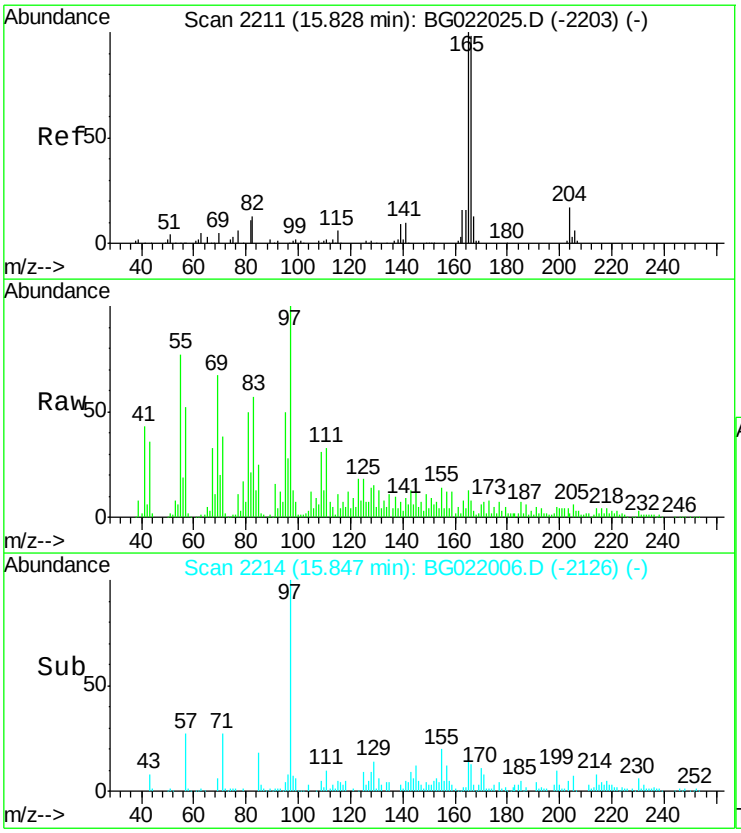
#57
Diethylphthalate
Concen: 1.12 ng/ul
RT: 15.59 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:149 Resp: 9979

Ion	Ratio	Lower	Upper
149	100		
177	58.9	17.4	26.2#
150	37.6	9.6	14.4#

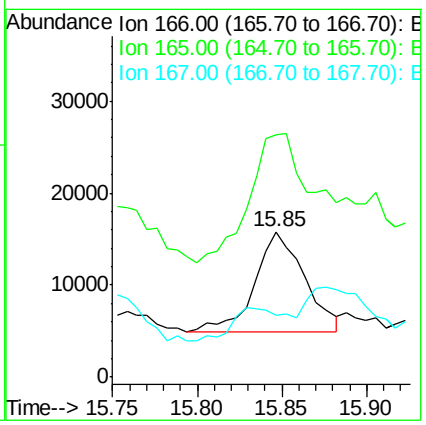


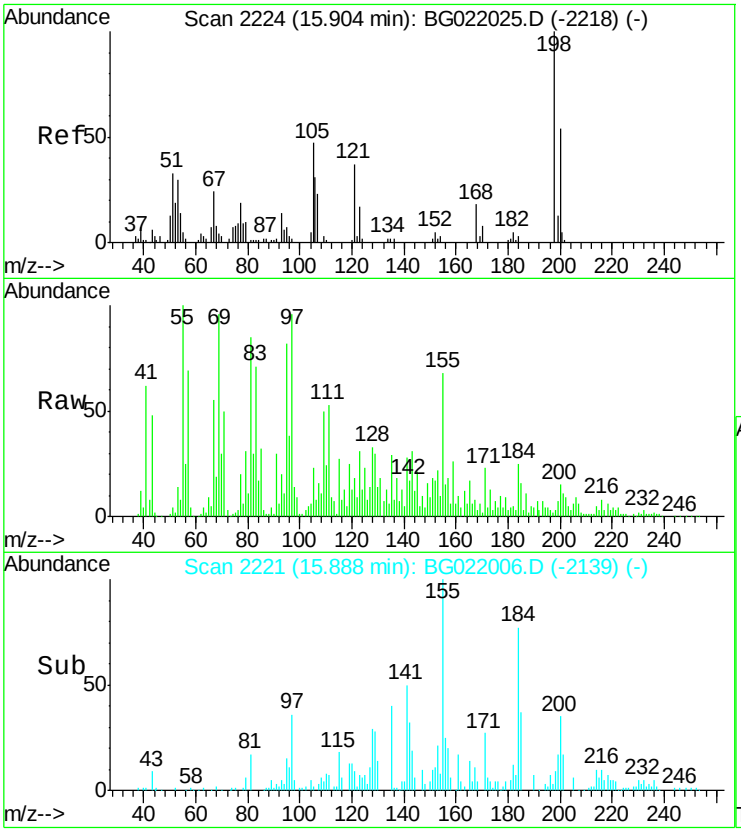


#59
Fluorene
Concen: 2.51 ng/ul
RT: 15.85 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Tgt Ion:166 Resp: 22049

Ion	Ratio	Lower	Upper
166	100		
165	167.3	80.3	120.5#
167	42.6	10.3	15.5#



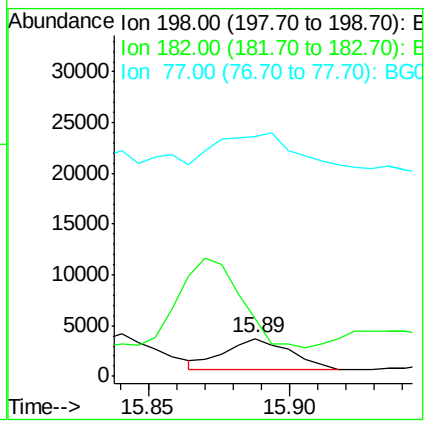


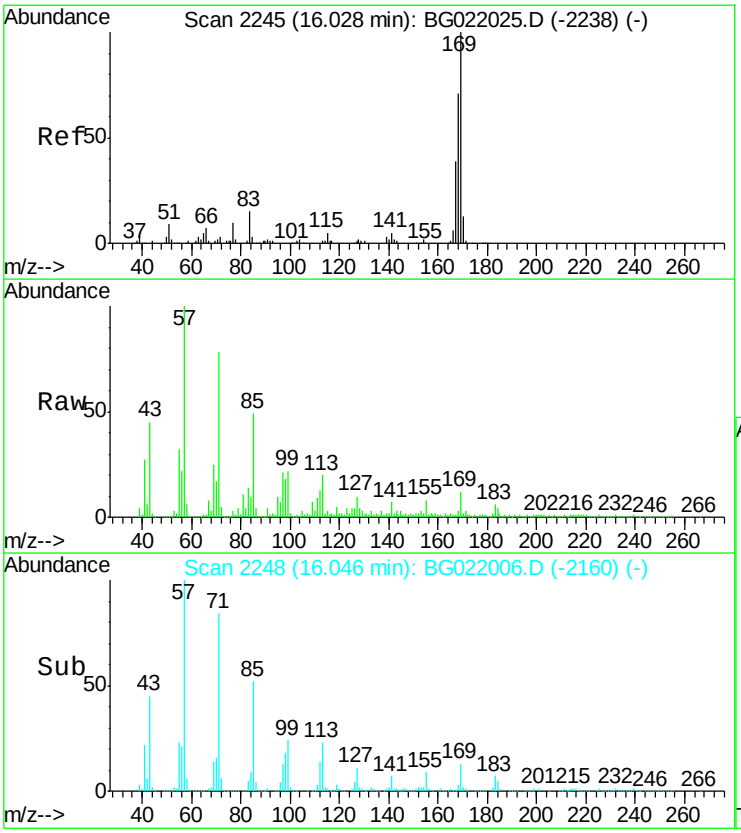
#64
4,6-Dinitro-2-methylphenol
Concen: 4.53 ng/ul
RT: 15.89 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:198 Resp: 4959

Ion	Ratio	Lower	Upper
198	100		
182	154.8	4.2	6.2#
77	637.1	16.7	25.1#

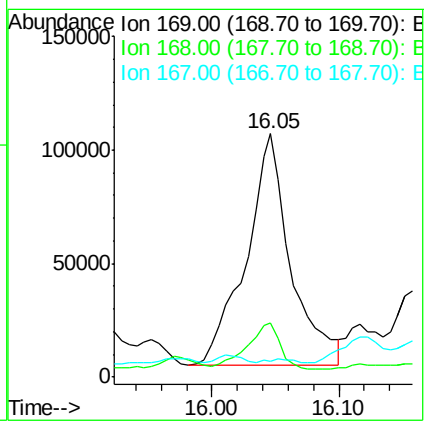


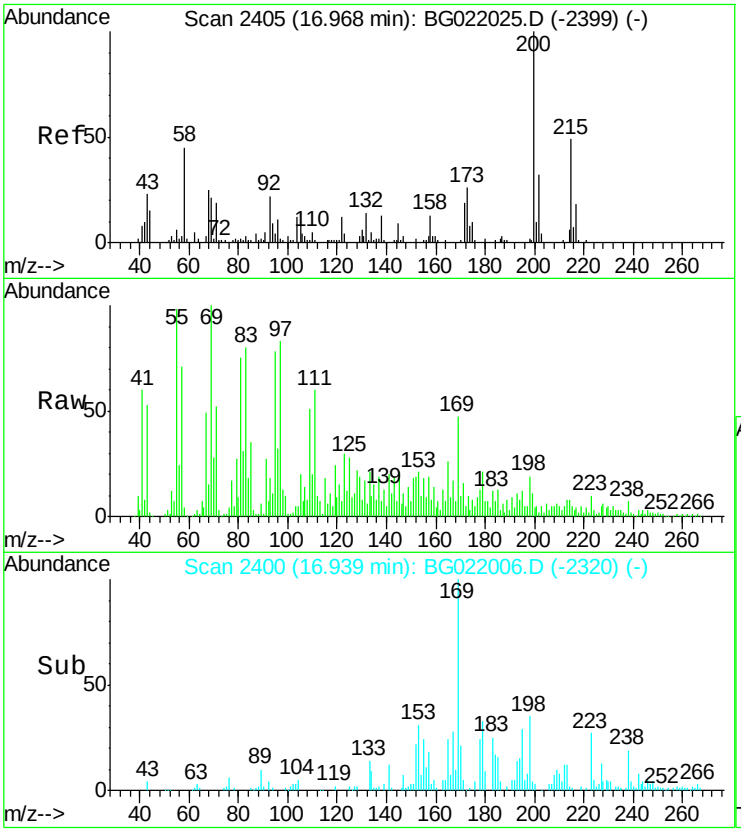


#65
N-Nitrosodiphenylamine
Concen: 38.87 ng/ul
RT: 16.05 min Scan# 2248
Delta R.T. 0.02 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Tgt Ion:169 Resp: 248710

Ion	Ratio	Lower	Upper
169	100		
168	22.2	59.0	88.6#
167	6.4	30.6	46.0#



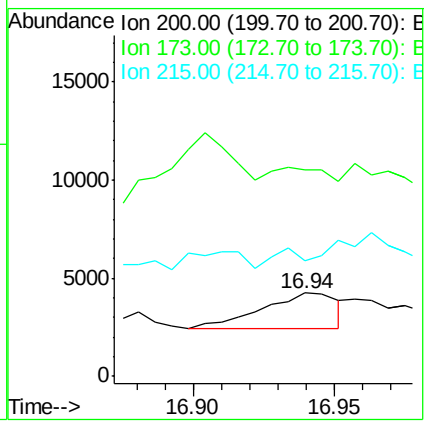


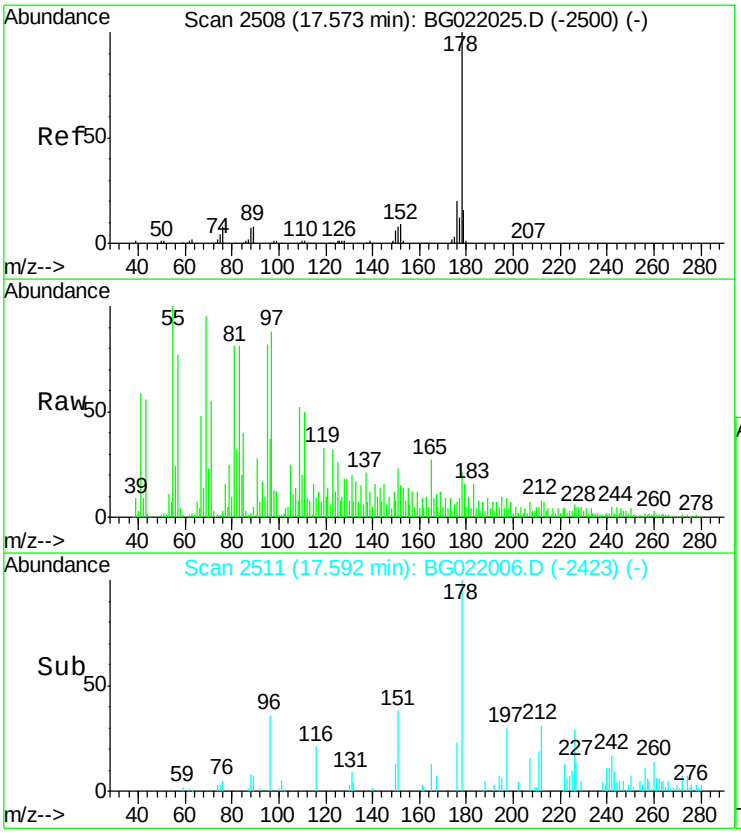
#68
Atrazine
Concen: 1.53 ng/ul
RT: 16.94 min Scan# 2400
Delta R.T. -0.03 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:200 Resp: 3376

Ion	Ratio	Lower	Upper
200	100		
173	247.2	21.0	31.6#
215	138.9	37.9	56.9#

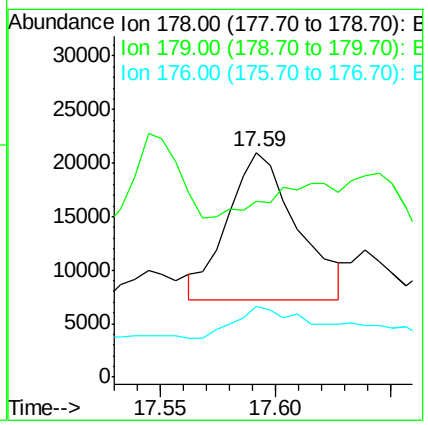


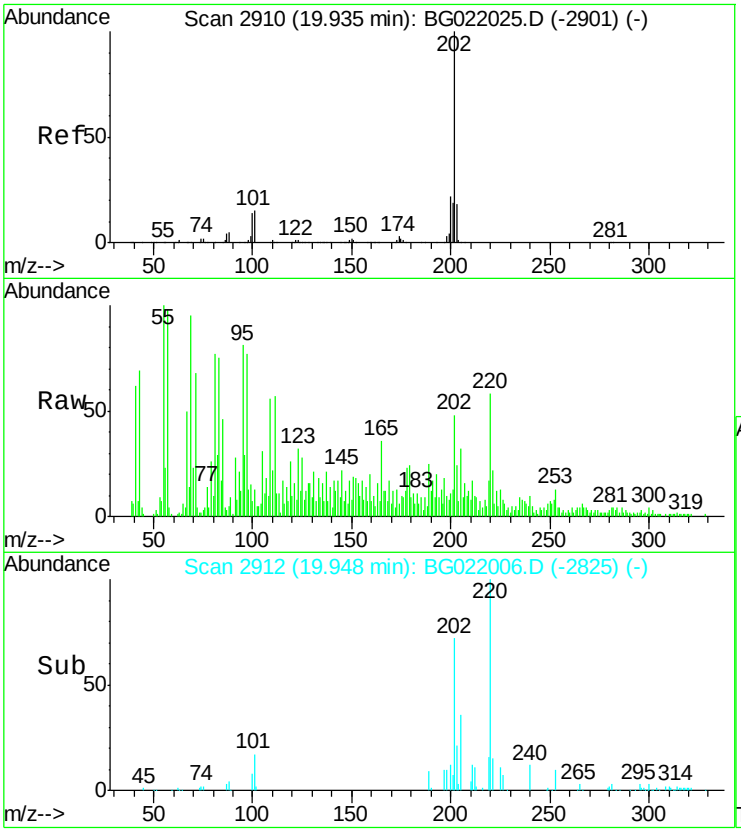


#70
Phenanthrene
Concen: 2.57 ng/ul
RT: 17.59 min Scan# 2511
Delta R.T. 0.02 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Tgt Ion:178 Resp: 28958

Ion	Ratio	Lower	Upper
178	100		
179	78.3	12.9	19.3#
176	31.5	15.8	23.8#





#78
Pyrene
Concen: 1.46 ng/ul
RT: 19.95 min Scan# 2912
Delta R.T. 0.01 min
Lab File: BG022006.D
Acq: 22 May 2016 10:41

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:202 Resp: 20869

Ion	Ratio	Lower	Upper
202	100		
101	27.8	12.5	18.7#
100	14.0	10.2	15.4