Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
Data File : BG021992.D
Acq On : 22 May 2016 1:18
Operator : UM/SJ
Sample : H3146-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BD3G3

Quant Time: May 22 06:45:33 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun May 22 06:41:14 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	42480	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	226212	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	132035	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	269158	20.00	ng/ul	0.00
76) Chrysene-d12	21.81	240	252745	20.00	ng/ul	0.00
84) Perylene-d12	25.14	264	226433	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	1574	1.93	ng/uL	0.00
5) Phenol-d5	7.31	99	34270	8.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	64696	32.15	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	89312	27.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	63571	19.53	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	57642	34.55	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	59761	33.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	95673	29.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	5892	1.70	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	351371	35.43	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	466580	33.69	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	2954	1.73	ng/ul	0.00
58) Fluorene-d10	15.77	176	315897	34.01	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	42053	29.89	ng/ul	0.00
71) Anthracene-d10	17.63	188	446199	34.44	ng/ul	0.00
77) Pyrene-d10	19.91	212	483277	33.91	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.91	264	385948	36.73	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.56	88	153	0.10	ng/uL#	30
4) Benzaldehyde	7.69	77	1738	0.82	ng/ul#	51
8) Bis(2-Chloroethyl)ether	7.57	93	253	0.09	ng/ul#	79
12) 2,2'-oxybis(1-Chloropropan	8.85	45	66	0.02	ng/ul#	64
15) N-Nitroso-di-n-propylamine	8.86	70	1123	0.48	ng/ul#	1
21) Isophorone	9.89	82	226	0.03	ng/ul#	64
28) Naphthalene	10.62	128	71	0.01	ng/ul#	1
43) 2-Nitroaniline	14.18	65	830	0.45	ng/ul#	1
45) Dimethylphthalate	14.19	163	59	0.01	ng/ul#	1
46) 2,6-Dinitrotoluene	14.78	165	17535	8.20	ng/ul#	35
49) 3-Nitroaniline	14.22	138	504	0.25	ng/ul#	53
55) 2,4-Dinitrotoluene	14.78	165	17535	6.08	ng/ul#	49
57) Diethylphthalate	15.58	149	1243	0.12	ng/ul#	94
59) Fluorene	15.77	166	775	0.08	ng/ul#	1
61) 4-Nitroaniline	15.89	138	73	0.03	ng/ul#	1
65) N-Nitrosodiphenylamine	15.89	169	242	0.03	ng/ul#	26
70) Phenanthrene	17.57	178	160	0.01	ng/ul#	59
72) Anthracene	17.57	178	160	0.01	ng/ul#	59
74) Di-n-butylphthalate	18.47	149	4387	0.25	ng/ul#	85
75) Fluoranthene	19.57	202	110	0.01	ng/ul#	69
78) Pyrene	19.94	202	178	0.01	ng/ul#	65
79) Butylbenzylphthalate	20.80	149	460	0.05	ng/ul#	84
81) Benzo(a)anthracene	21.81	228	829	0.06	ng/ul#	51

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
Data File : BG021992.D
Acq On : 22 May 2016 1:18
Operator : UM/SJ
Sample : H3146-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BD3G3

Quant Time: May 22 06:45:33 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun May 22 06:41:14 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Bis(2-ethylhexyl)phthalate	21.68	149	1615	0.13	ng/ul#	89
83) Chrysene	21.86	228	109	0.01	ng/ul#	50
85) Di-n-octyl phthalate	22.92	149	571	0.03	ng/ul	100
86) Benzo(b)fluoranthene	24.08	252	61	0.00	ng/ul#	58
87) Benzo(k)fluoranthene	24.10	252	63	0.00	ng/ul#	61
89) Benzo(a)pyrene	24.95	252	159	0.01	ng/ul#	56

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
Data File : BG021992.D
Acq On : 22 May 2016 1:18
Operator : UM/SJ
Sample : H3146-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
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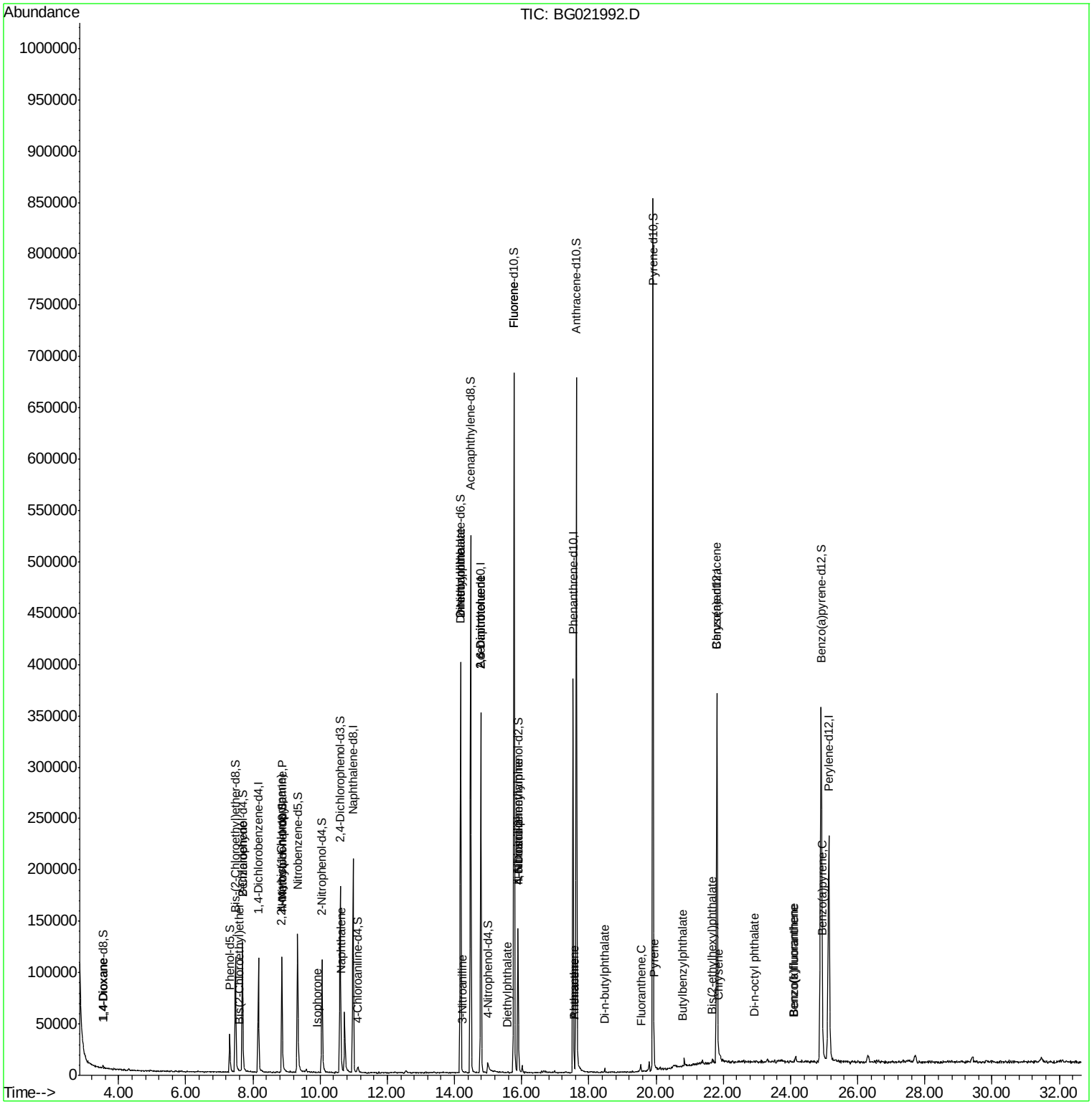
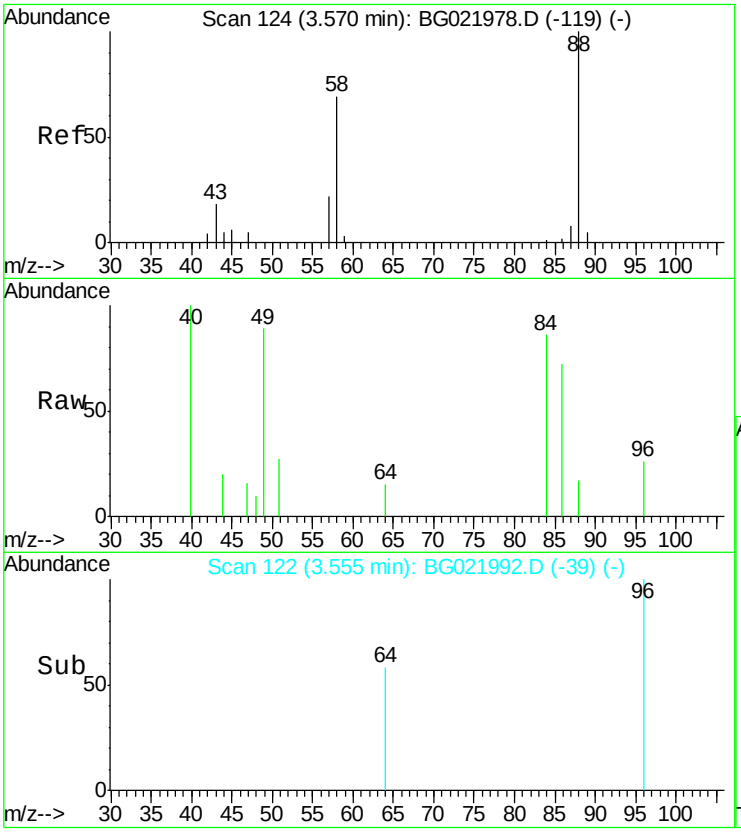
Quant Time: May 22 06:45:33 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun May 22 06:41:14 2016
Response via : Initial Calibration



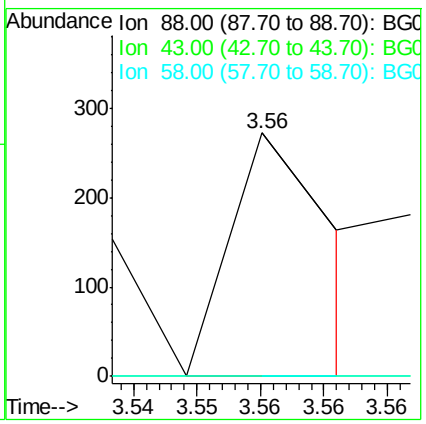


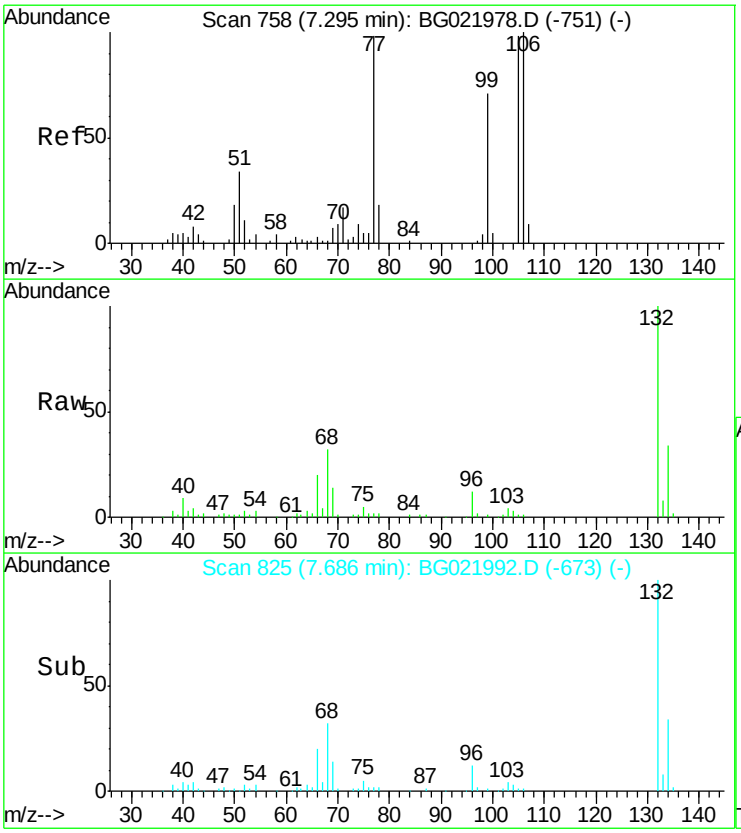
#2
1,4-Dioxane
Concen: 0.10 ng/uL
RT: 3.56 min Scan# 122
Delta R.T. -0.01 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion: 88 Resp: 153

Ion	Ratio	Lower	Upper
88	100		
43	0.0	16.6	24.8#
58	0.0	47.2	70.8#

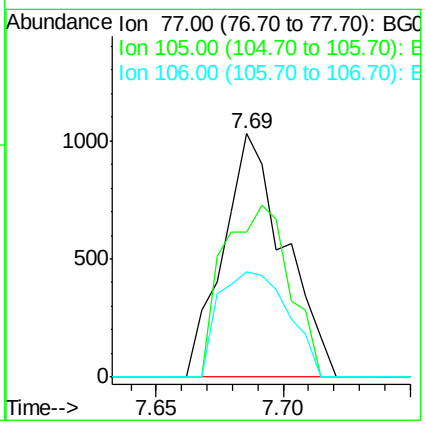


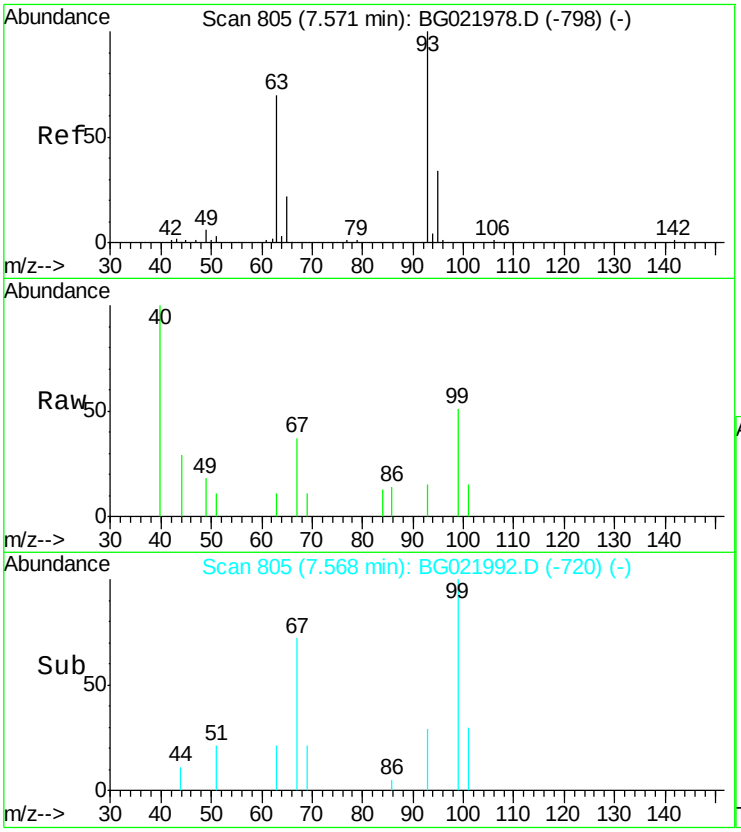


#4
Benzaldehyde
Concen: 0.82 ng/ul
RT: 7.69 min Scan# 825
Delta R.T. 0.39 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Tgt Ion: 77 Resp: 1738

Ion	Ratio	Lower	Upper
77	100		
105	59.7	83.8	125.8#
106	43.3	77.9	116.9#



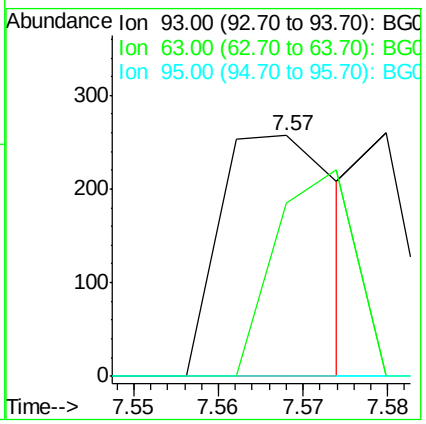


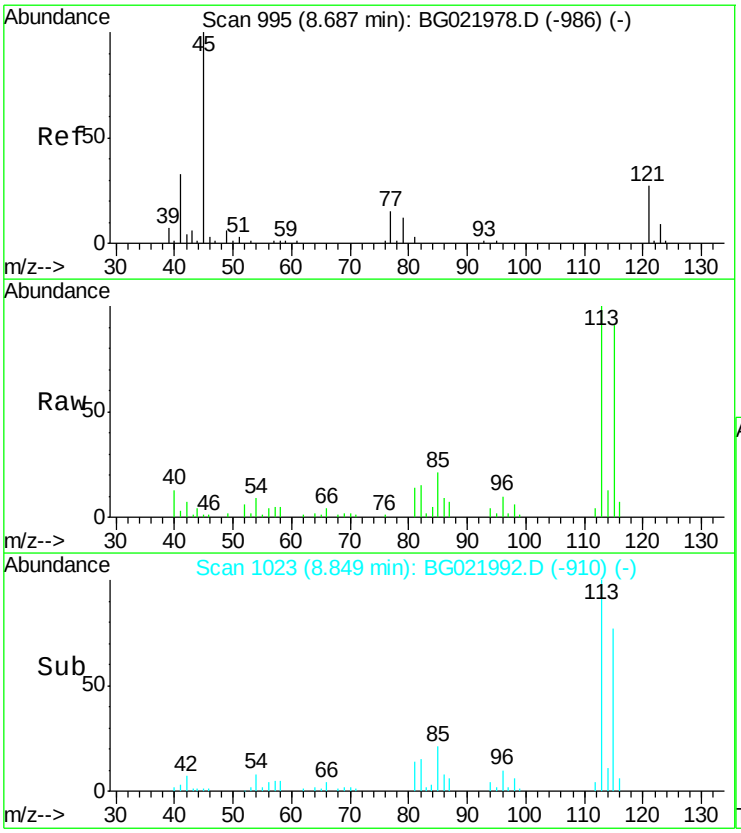
#8
Bis(2-Chloroethyl)ether
Concen: 0.09 ng/ul
RT: 7.57 min Scan# 805
Delta R.T. -0.00 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion: 93 Resp: 253

Ion	Ratio	Lower	Upper
93	100		
63	72.0	56.0	84.0
95	0.0	27.7	41.5#

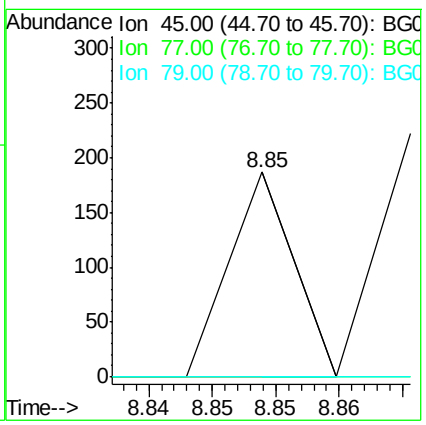


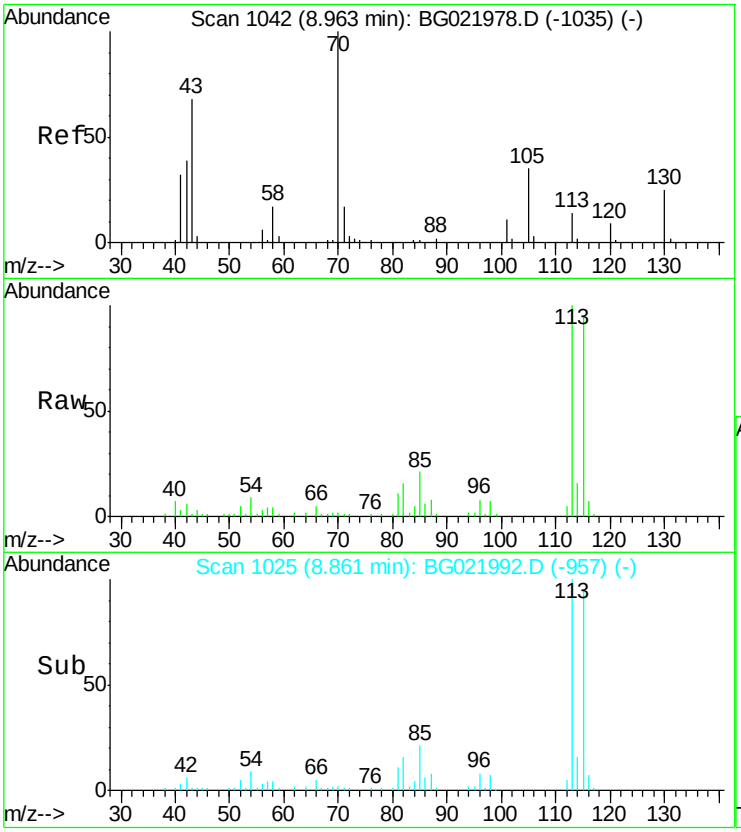


#12
2,2'-oxybis(1-Chloropropane)
Concen: 0.02 ng/ul
RT: 8.85 min Scan# 1023
Delta R.T. 0.16 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Tgt Ion: 45 Resp: 66

Ion	Ratio	Lower	Upper
45	100		
77	0.0	13.4	20.2#
79	0.0	10.2	15.4#



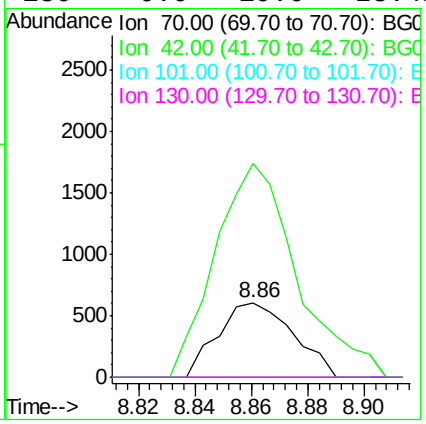


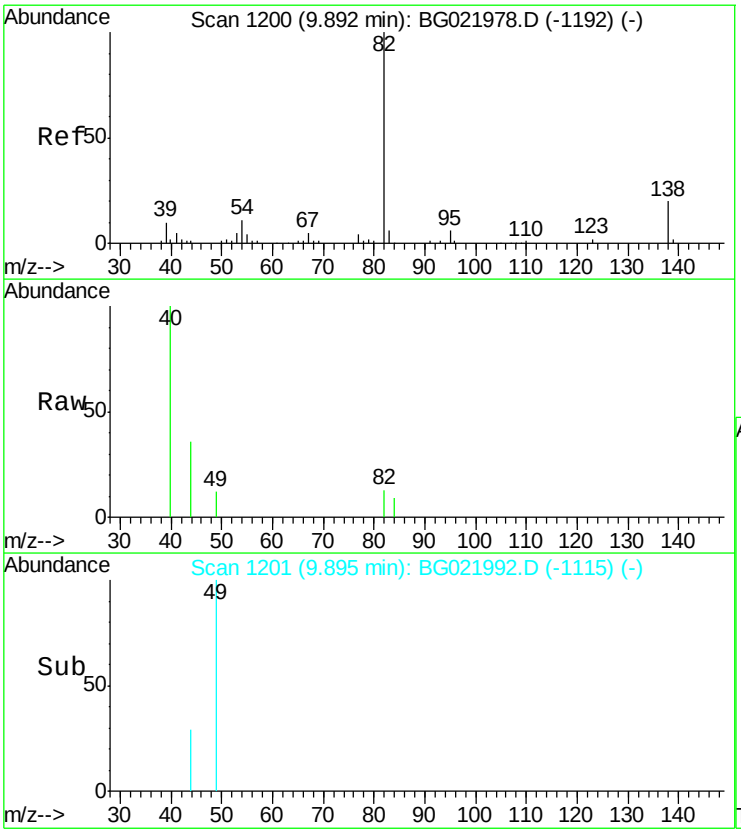
#15
N-Nitroso-di-n-propylamine
Concen: 0.48 ng/ul
RT: 8.86 min Scan# 1025
Delta R.T. -0.10 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion: 70 Resp: 1123

Ion	Ratio	Lower	Upper
70	100		
42	285.6	31.4	47.2#
101	0.0	8.6	13.0#
130	0.0	19.0	28.4#

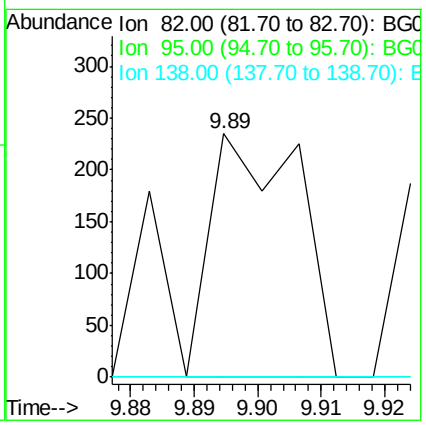


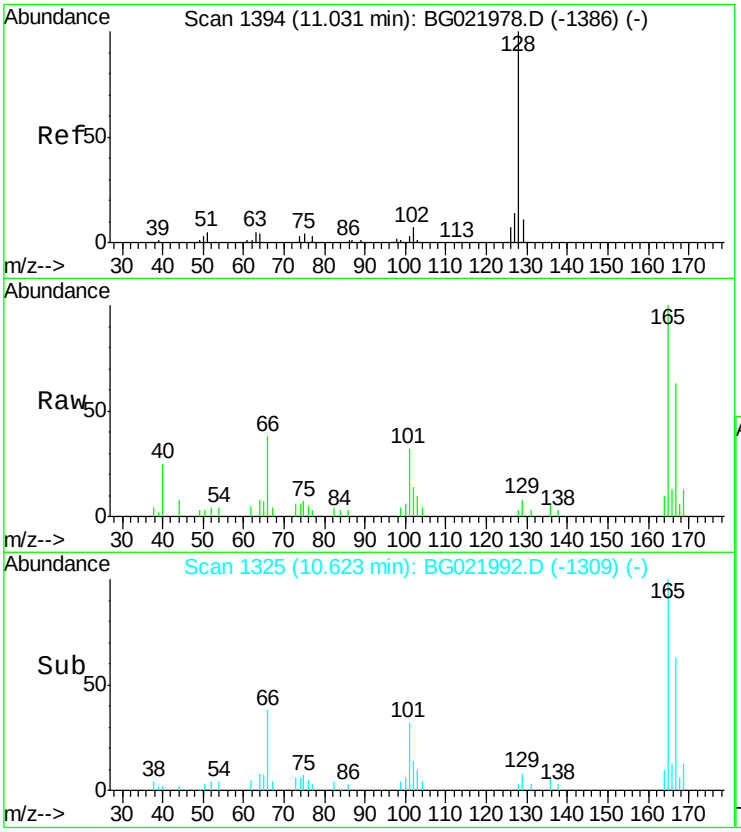


#21
Isophorone
Concen: 0.03 ng/ul
RT: 9.89 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Tgt Ion: 82 Resp: 226

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	15.0	22.6#



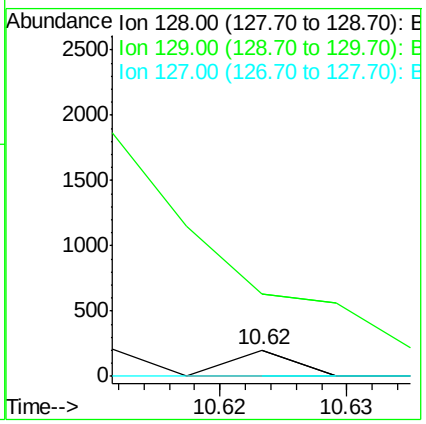


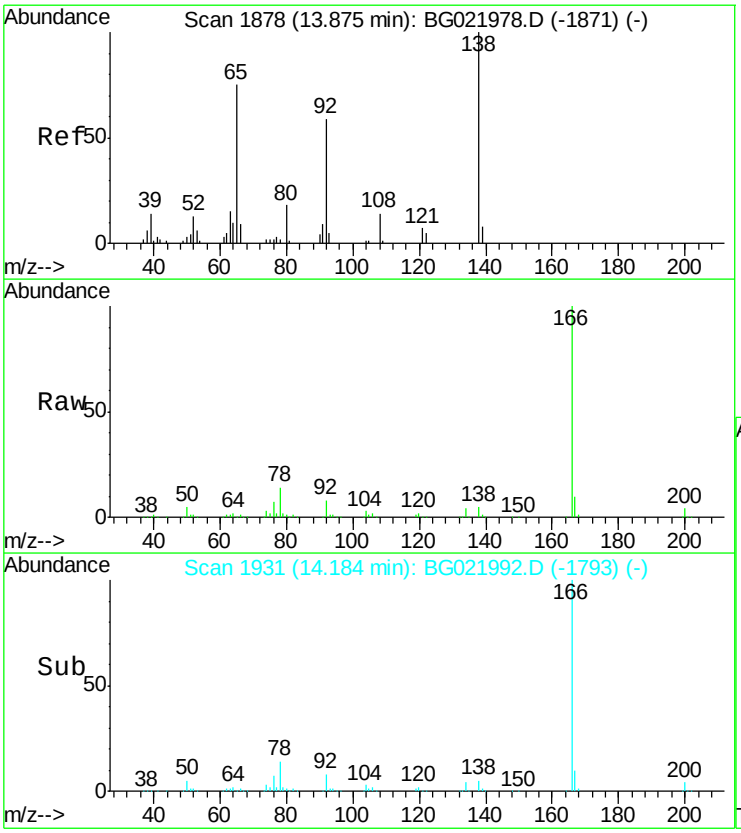
#28
Naphthalene
Concen: 0.01 ng/ul
RT: 10.62 min Scan# 1325
Delta R.T. -0.41 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion:128 Resp: 71

Ion	Ratio	Lower	Upper
128	100		
129	316.0	9.4	14.2#
127	0.0	11.2	16.8#

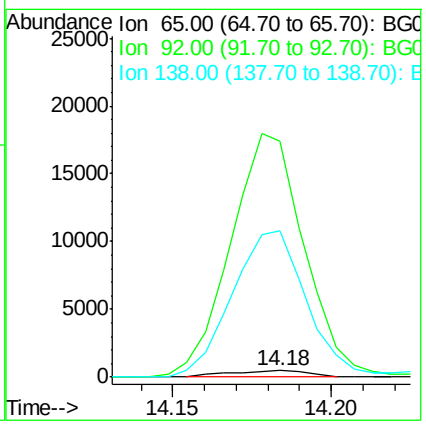


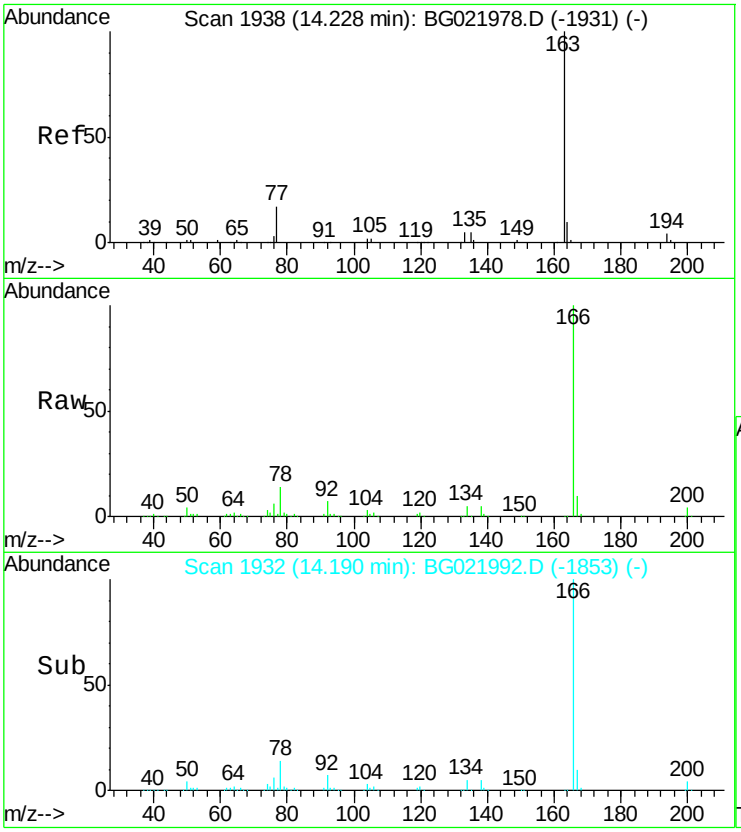


#43
2-Nitroaniline
Concen: 0.45 ng/ul
RT: 14.18 min Scan# 1931
Delta R.T. 0.31 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Tgt Ion: 65 Resp: 830

Ion	Ratio	Lower	Upper
65	100		
92	3807.4	67.1	100.7#
138	2355.4	109.6	164.4#



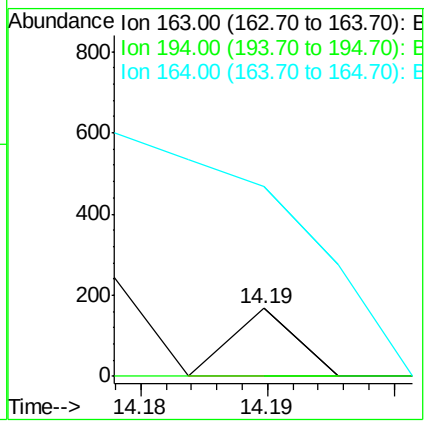


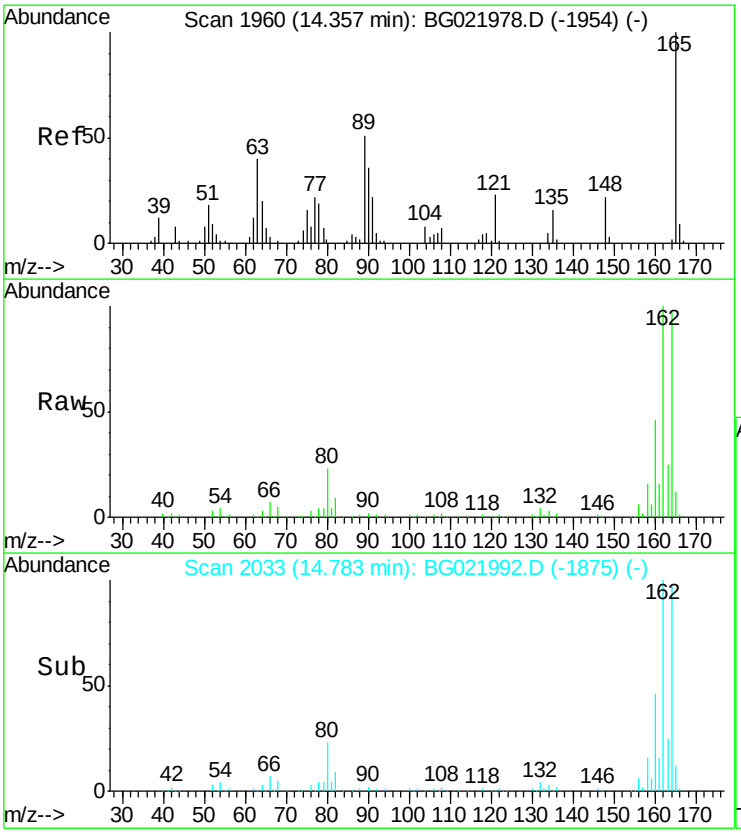
#45
Dimethylphthalate
Concen: 0.01 ng/ul
RT: 14.19 min Scan# 1932
Delta R.T. -0.04 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion:163 Resp: 59

Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.4	5.2#
164	280.2	8.8	13.2#

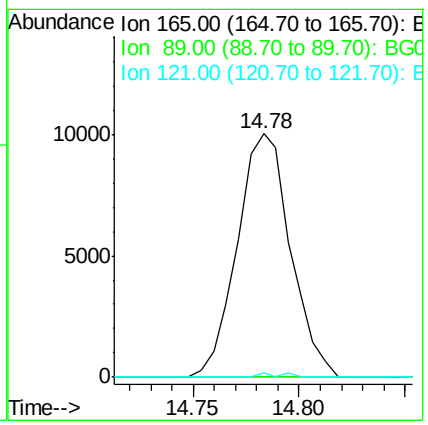


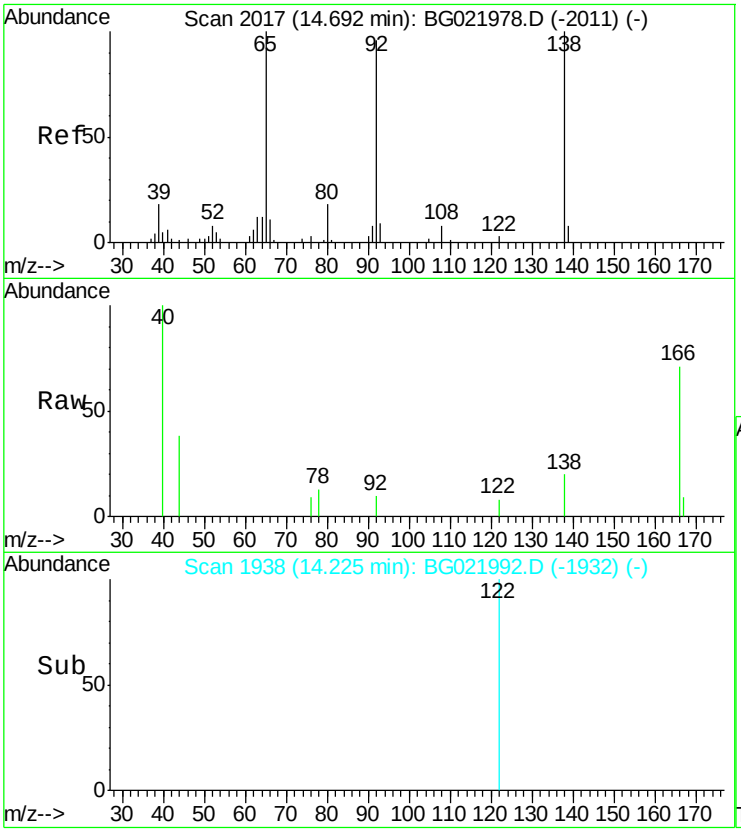


#46
2,6-Dinitrotoluene
Concen: 8.20 ng/ul
RT: 14.78 min Scan# 2033
Delta R.T. 0.43 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Tgt Ion:165 Resp: 17535

Ion	Ratio	Lower	Upper
165	100		
89	0.0	41.5	62.3#
121	1.5	17.0	25.4#



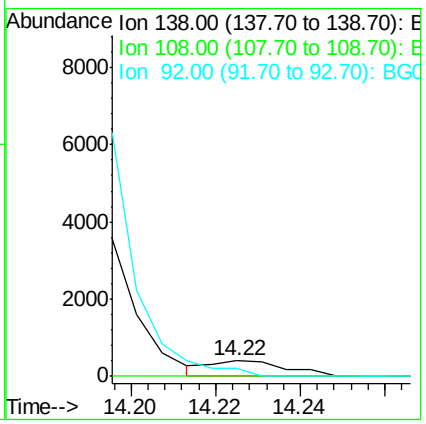


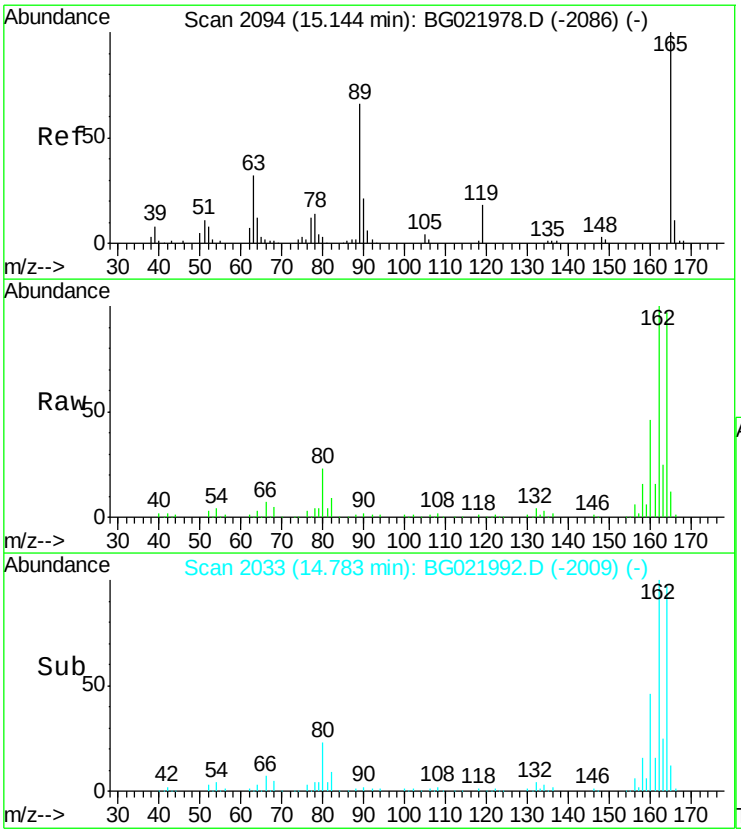
#49
3-Nitroaniline
Concen: 0.25 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. -0.47 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion:138 Resp: 504

Ion	Ratio	Lower	Upper
138	100		
108	0.0	6.2	9.2#
92	50.0	79.3	118.9#

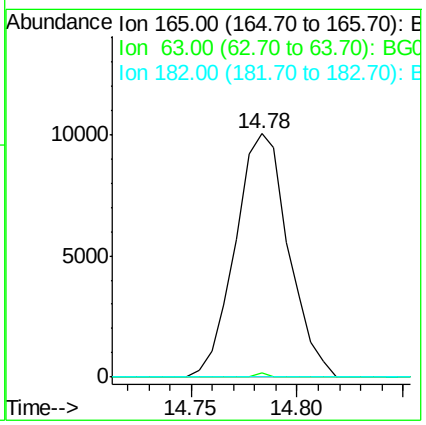


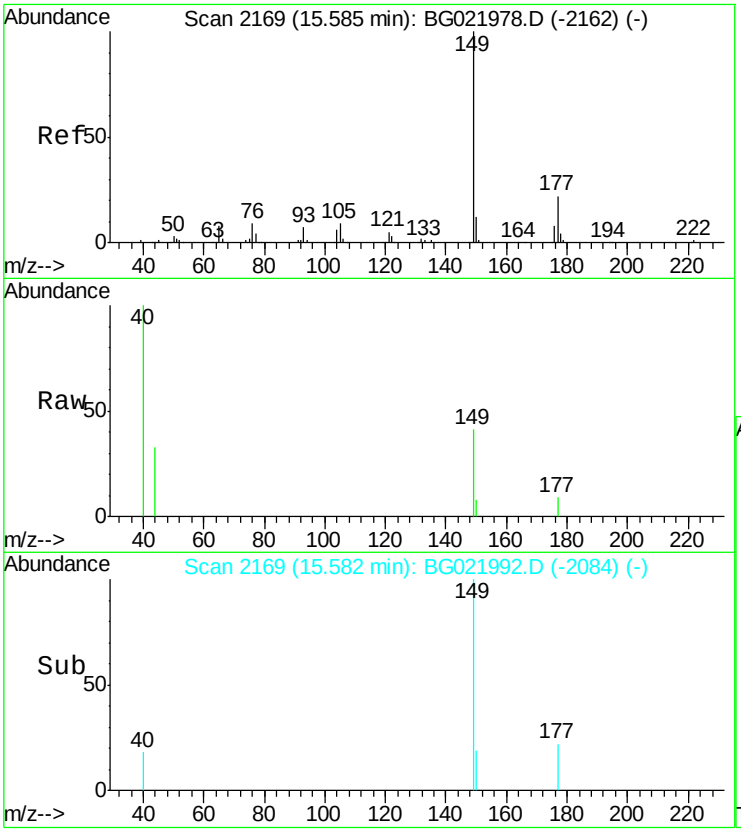


#55
2,4-Dinitrotoluene
Concen: 6.08 ng/ul
RT: 14.78 min Scan# 2033
Delta R.T. -0.36 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Tgt Ion:165 Resp: 17535

Ion	Ratio	Lower	Upper
165	100		
63	1.9	25.7	38.5#
182	0.0	2.1	3.1#



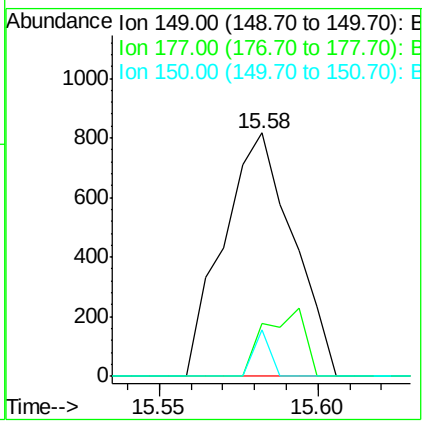


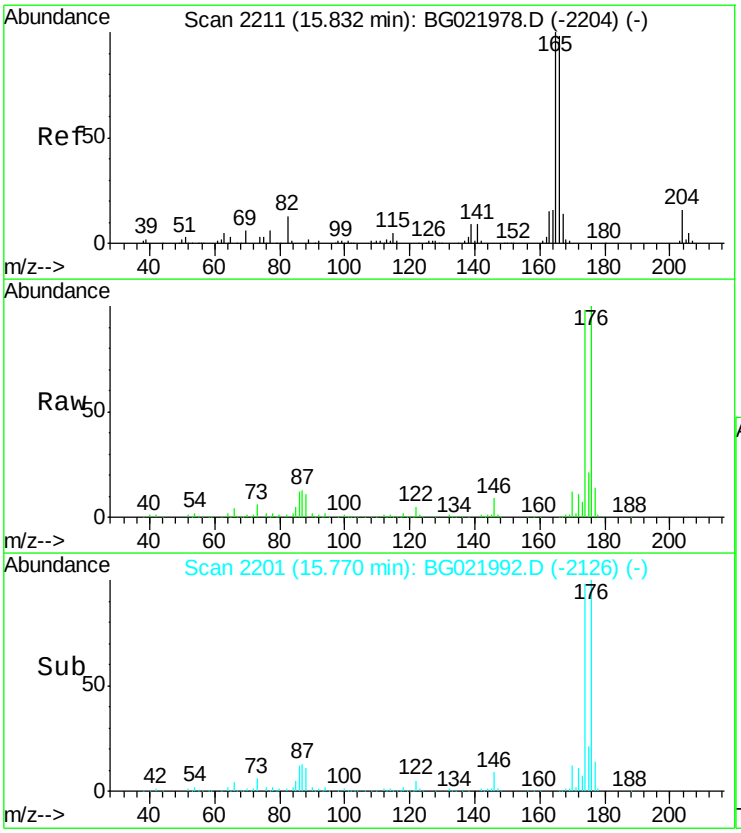
#57
Diethylphthalate
Concen: 0.12 ng/ul
RT: 15.58 min Scan# 2169
Delta R.T. -0.00 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion:149 Resp: 1243

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	18.8	9.6	14.4#

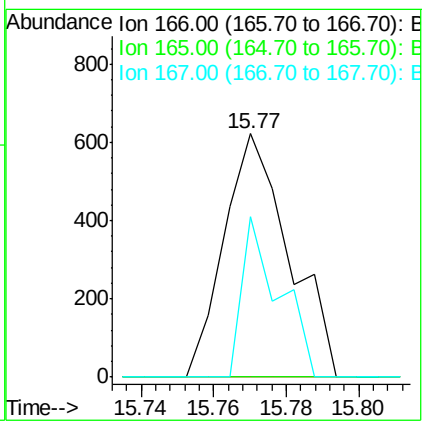


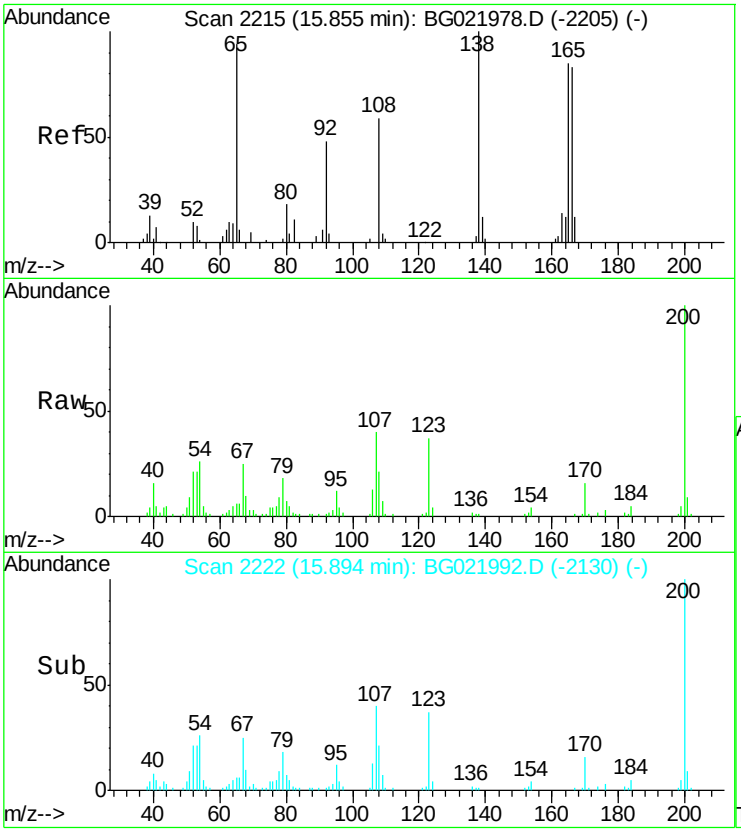


#59
Fluorene
Concen: 0.08 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.06 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Tgt Ion:166 Resp: 775

Ion	Ratio	Lower	Upper
166	100		
165	0.0	80.3	120.5#
167	65.9	10.3	15.5#



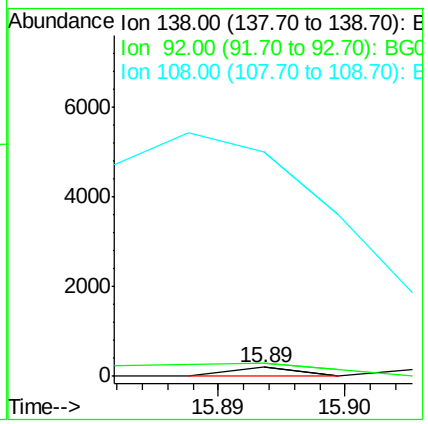


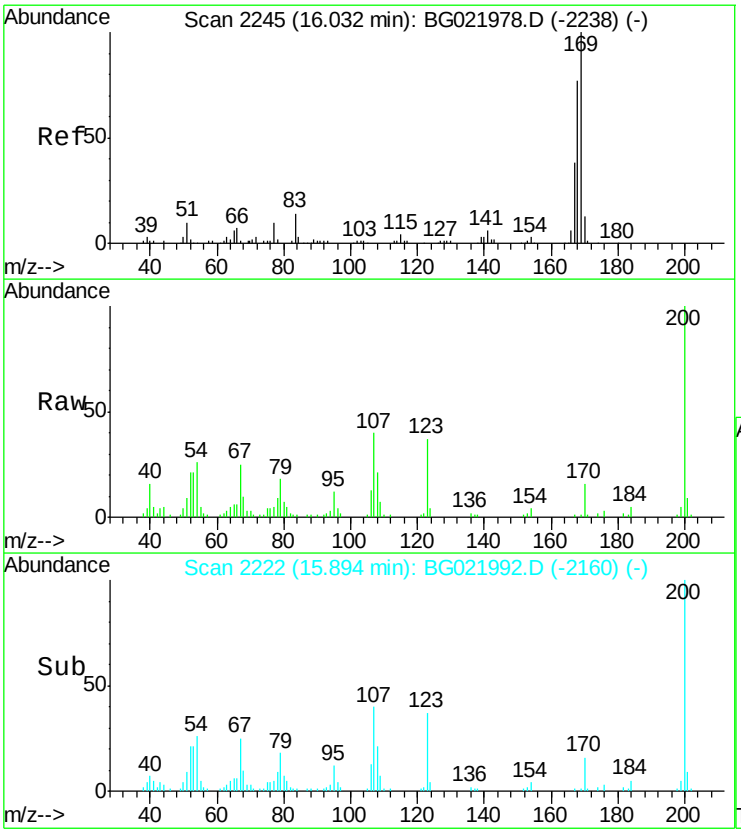
#61
4-Nitroaniline
Concen: 0.03 ng/ul
RT: 15.89 min Scan# 2222
Delta R.T. 0.04 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion:138 Resp: 73

Ion	Ratio	Lower	Upper
138	100		
92	148.8	39.0	58.4#
108	2409.2	49.2	73.8#

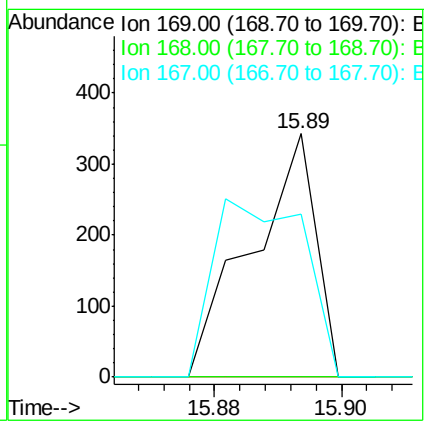


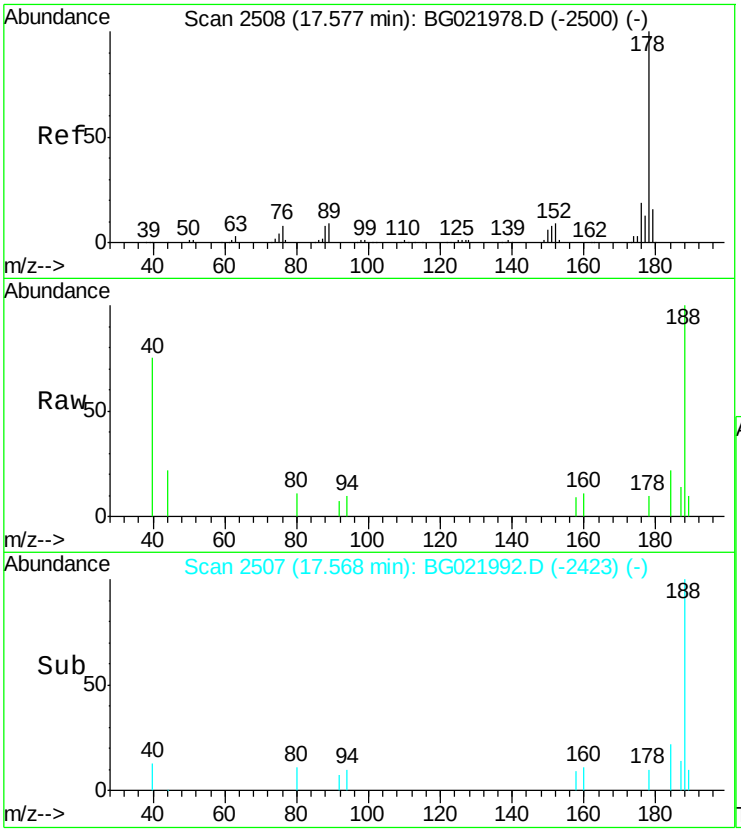


#65
N-Nitrosodiphenylamine
Concen: 0.03 ng/ul
RT: 15.89 min Scan# 2222
Delta R.T. -0.14 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Tgt Ion:169 Resp: 242

Ion	Ratio	Lower	Upper
169	100		
168	0.0	59.0	88.6#
167	66.8	30.6	46.0#



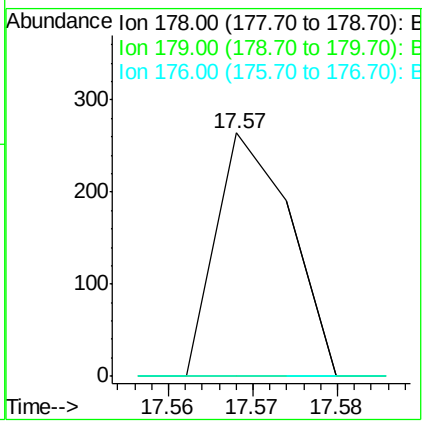


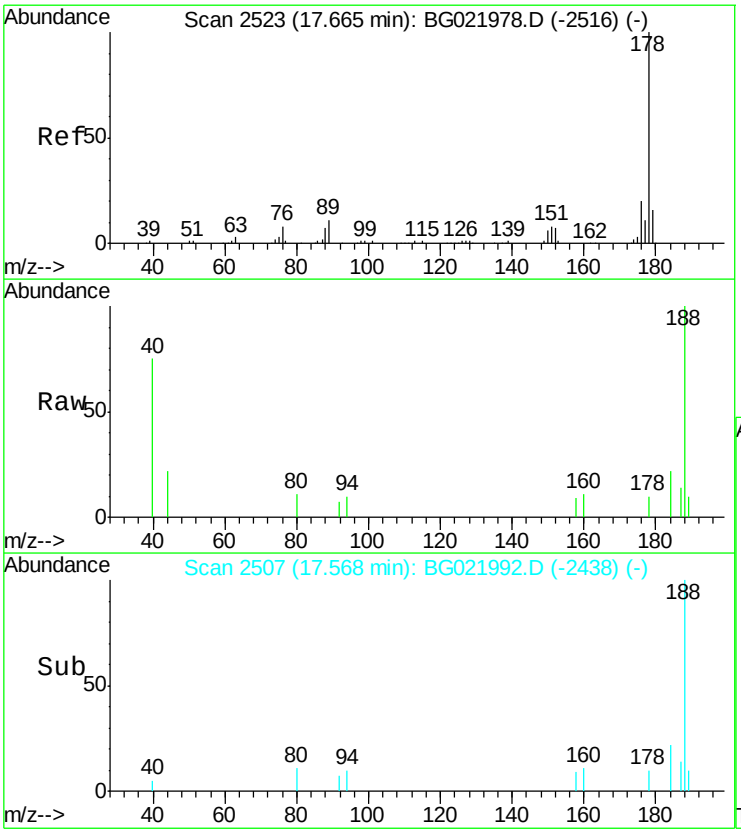
#70
Phenanthrene
Concen: 0.01 ng/ul
RT: 17.57 min Scan# 2507
Delta R.T. -0.01 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion:178 Resp: 160

Ion	Ratio	Lower	Upper
178	100		
179	0.0	12.9	19.3#
176	0.0	15.8	23.8#

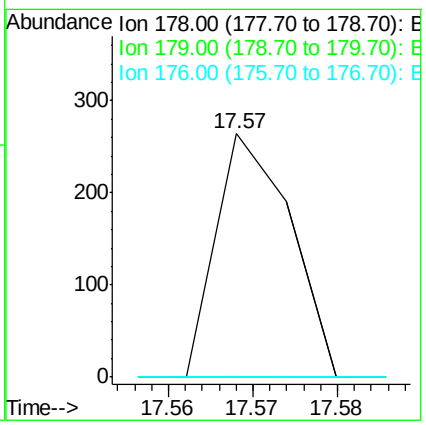


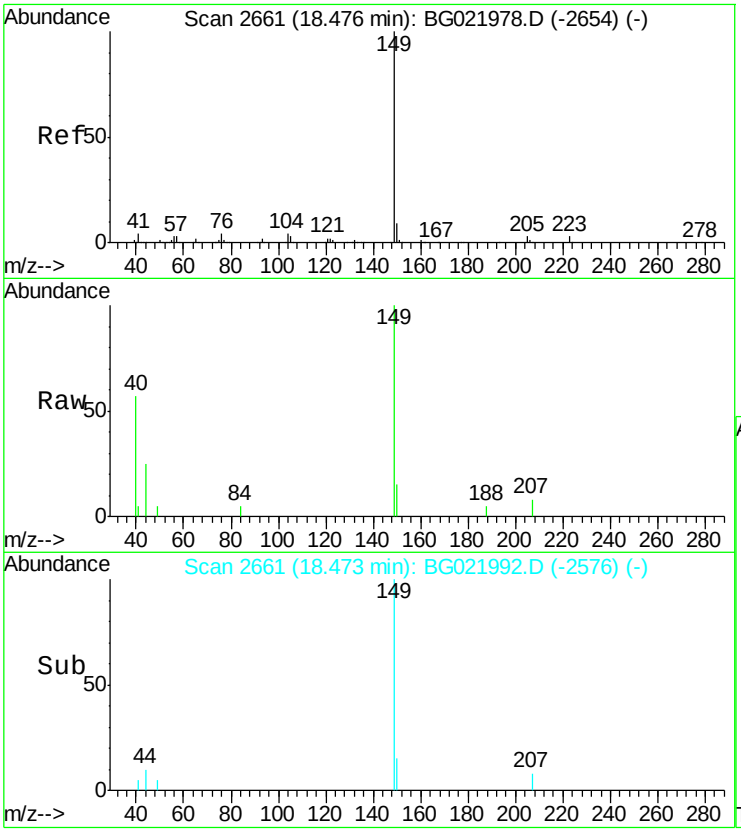


#72
Anthracene
Concen: 0.01 ng/ul
RT: 17.57 min Scan# 2507
Delta R.T. -0.10 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Tgt Ion:178 Resp: 160

Ion	Ratio	Lower	Upper
178	100		
179	0.0	12.3	18.5#
176	0.0	16.3	24.5#



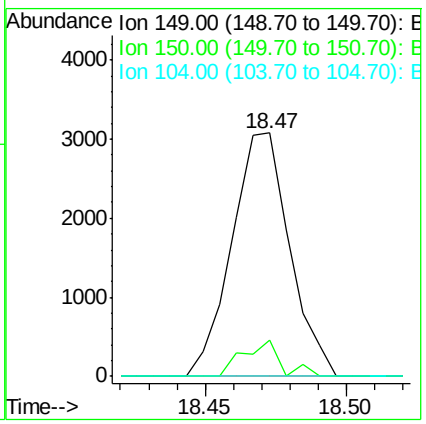


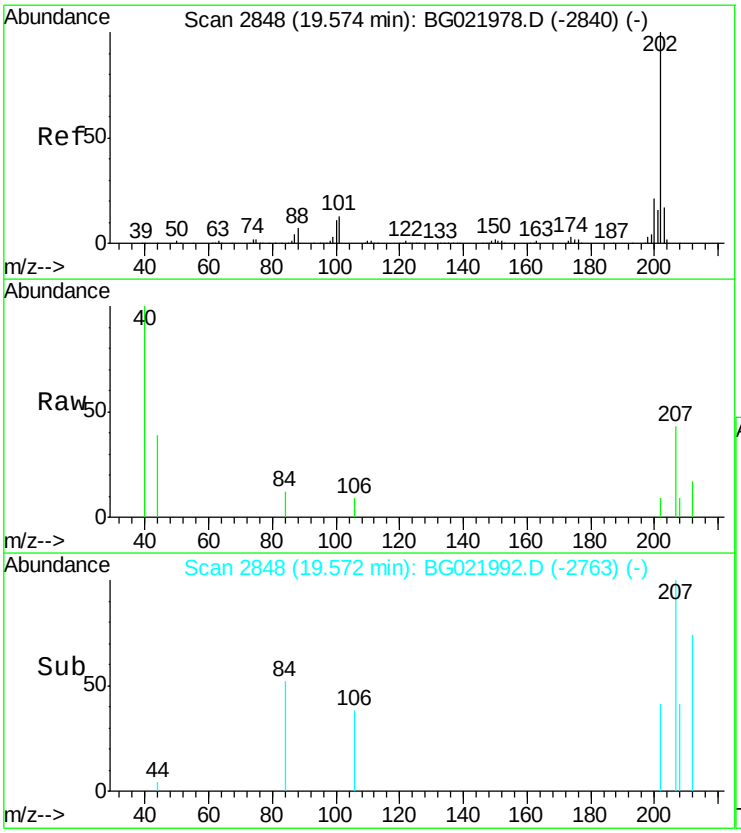
#74
Di-n-butylphthalate
Concen: 0.25 ng/ul
RT: 18.47 min Scan# 2661
Delta R.T. -0.00 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion:149 Resp: 4387

Ion	Ratio	Lower	Upper
149	100		
150	14.8	7.1	10.7#
104	0.0	3.3	4.9#

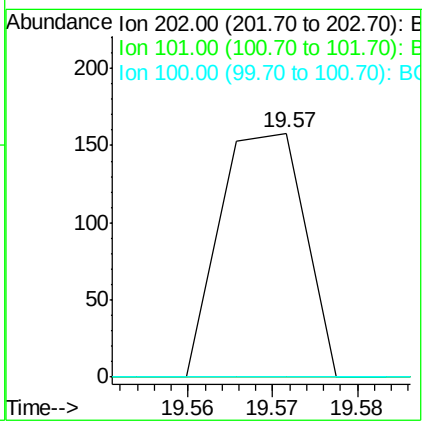


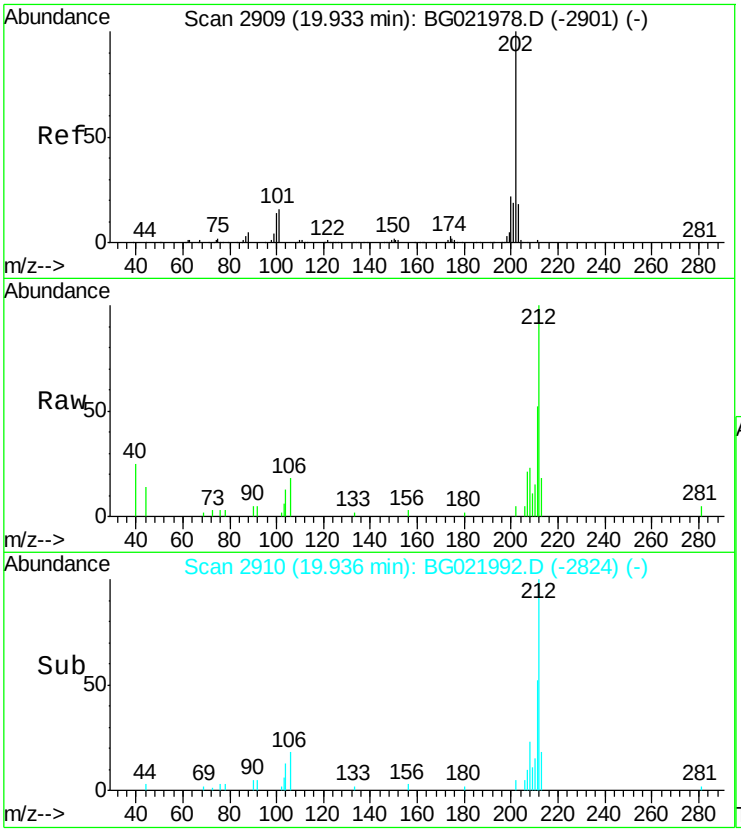


#75
Fluoranthene
Concen: 0.01 ng/ul
RT: 19.57 min Scan# 2848
Delta R.T. -0.00 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Tgt Ion:202 Resp: 110

Ion	Ratio	Lower	Upper
202	100		
101	0.0	10.6	16.0#
100	0.0	8.7	13.1#



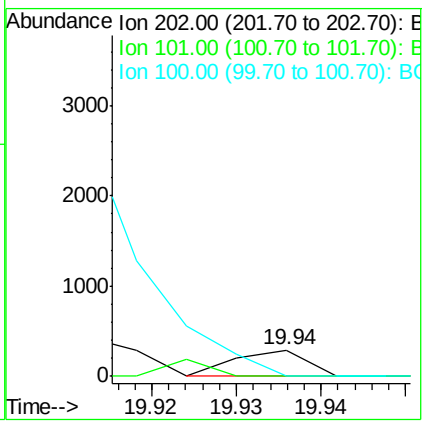


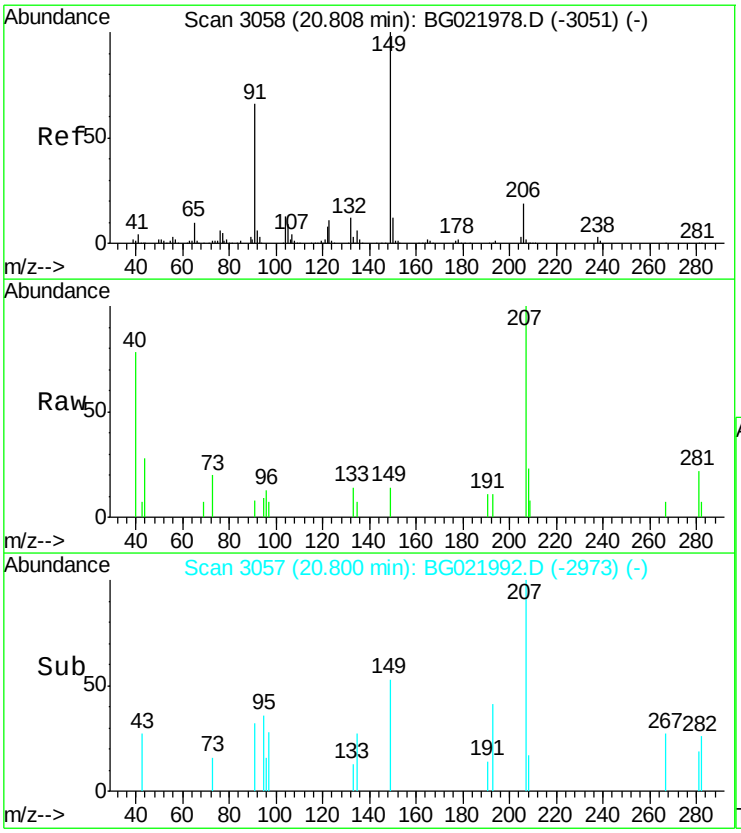
#78
Pyrene
Concen: 0.01 ng/ul
RT: 19.94 min Scan# 2910
Delta R.T. 0.00 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion:202 Resp: 178

Ion	Ratio	Lower	Upper
202	100		
101	0.0	12.5	18.7#
100	0.0	10.2	15.4#

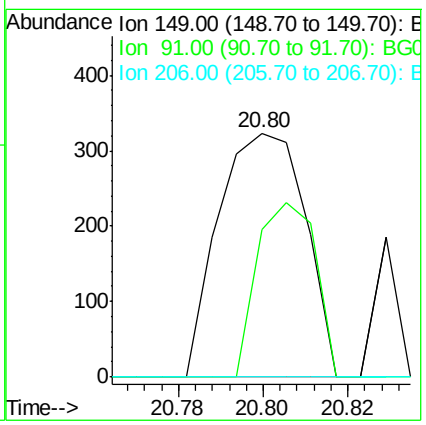


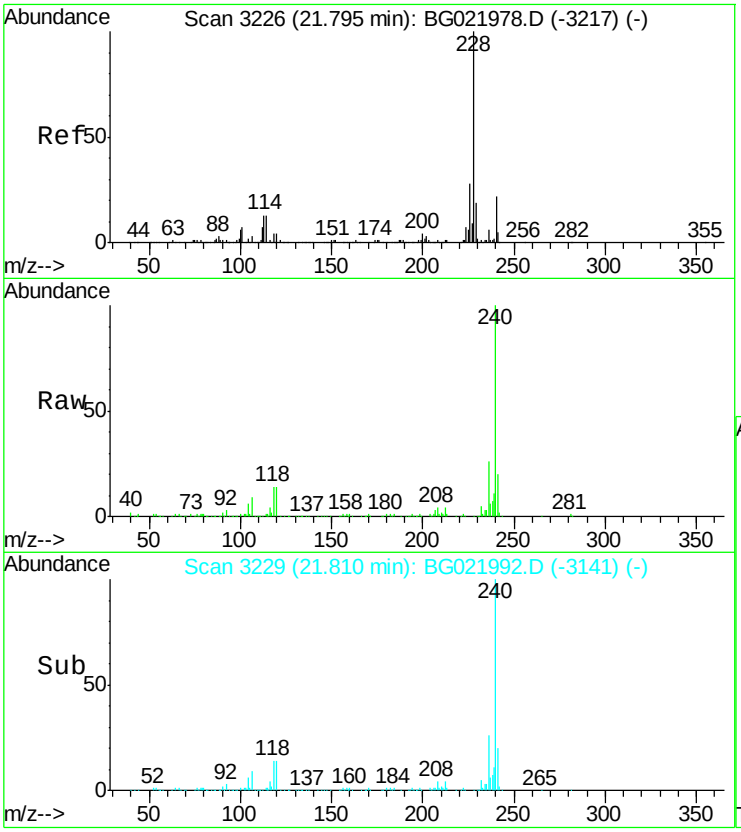


#79
Butylbenzylphthalate
Concen: 0.05 ng/ul
RT: 20.80 min Scan# 3057
Delta R.T. -0.01 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Tgt Ion:149 Resp: 460

Ion	Ratio	Lower	Upper
149	100		
91	60.4	54.2	81.4
206	0.0	14.1	21.1#



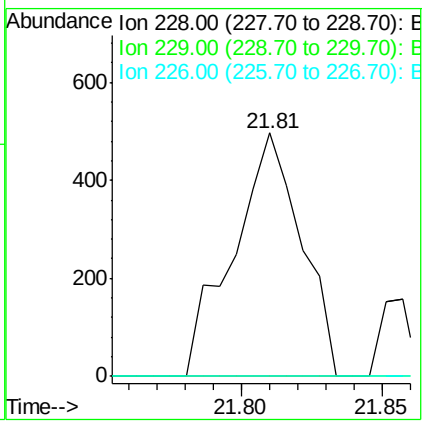


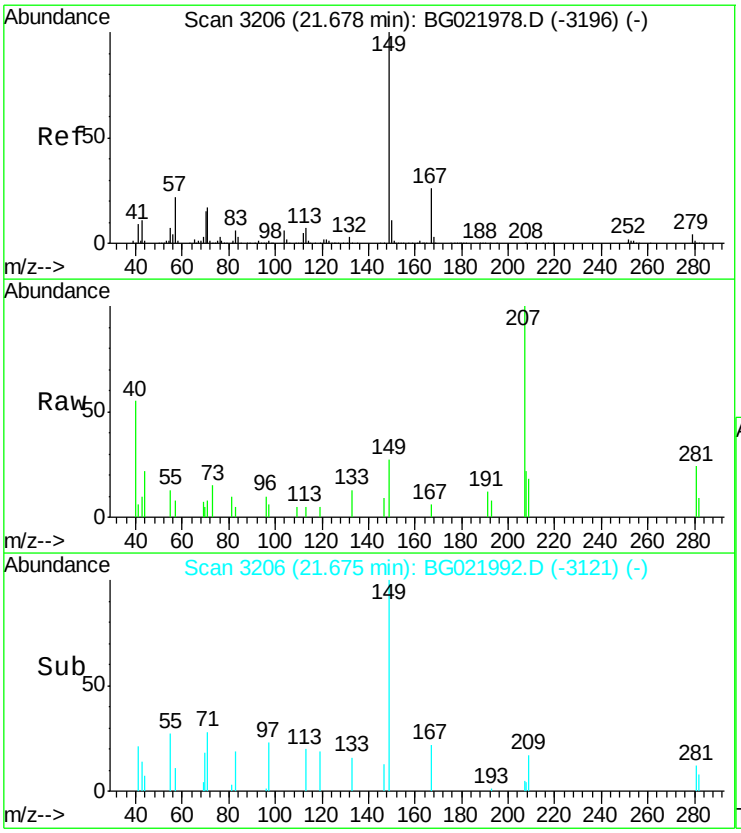
#81
Benzo(a)anthracene
Concen: 0.06 ng/ul
RT: 21.81 min Scan# 3229
Delta R.T. 0.01 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion:228 Resp: 829

Ion	Ratio	Lower	Upper
228	100		
229	0.0	15.4	23.2#
226	0.0	22.8	34.2#

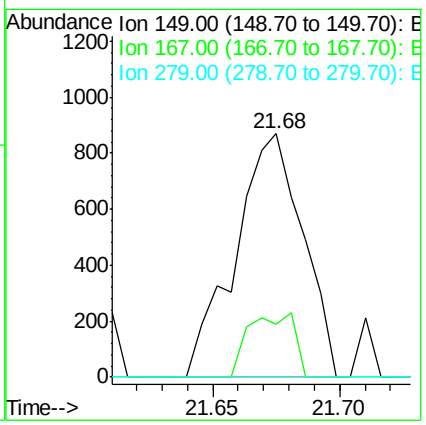


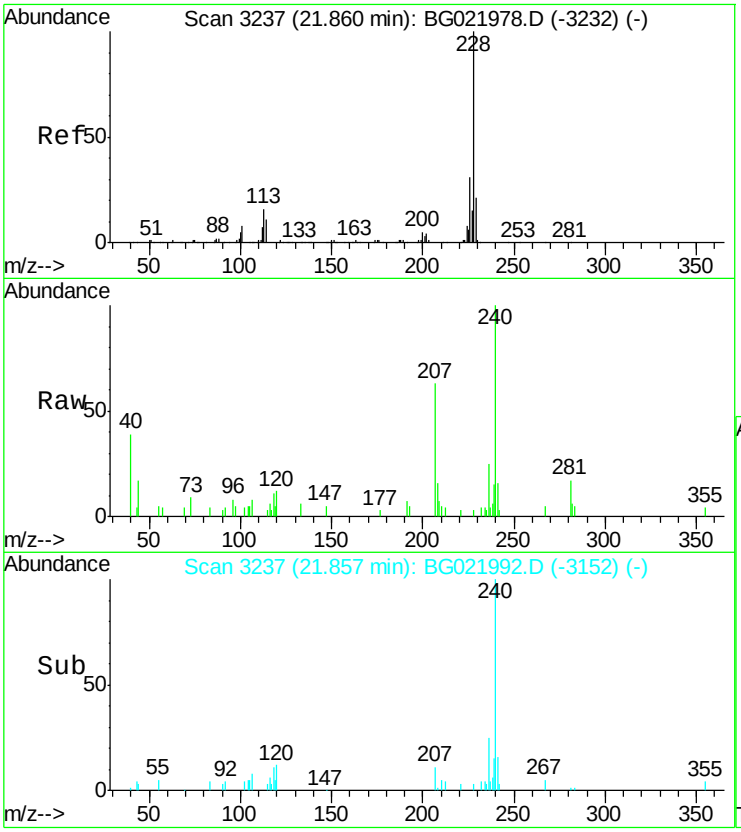


#82
Bis(2-ethylhexyl)phthalate
Concen: 0.13 ng/ul
RT: 21.68 min Scan# 3206
Delta R.T. -0.00 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Tgt Ion:149 Resp: 1615

Ion	Ratio	Lower	Upper
149	100		
167	22.0	21.9	32.9
279	0.0	2.9	4.3#



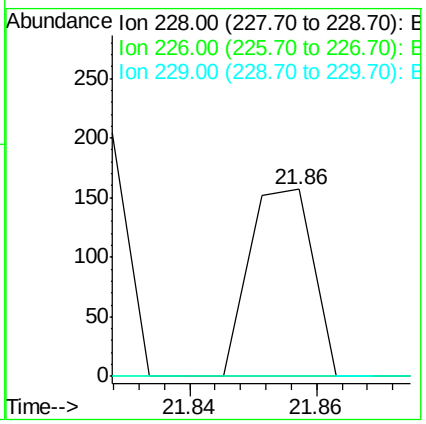


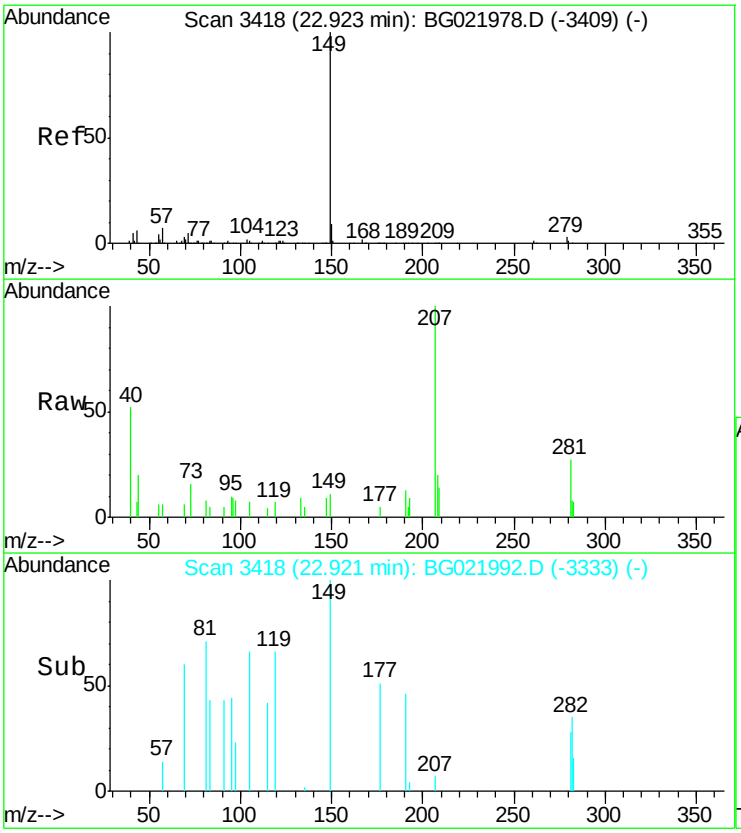
#83
Chrysene
Concen: 0.01 ng/ul
RT: 21.86 min Scan# 3237
Delta R.T. -0.00 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion:228 Resp: 109

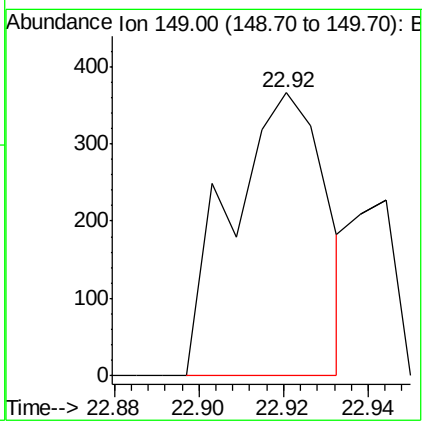
Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.2	36.4#
229	0.0	15.0	22.6#

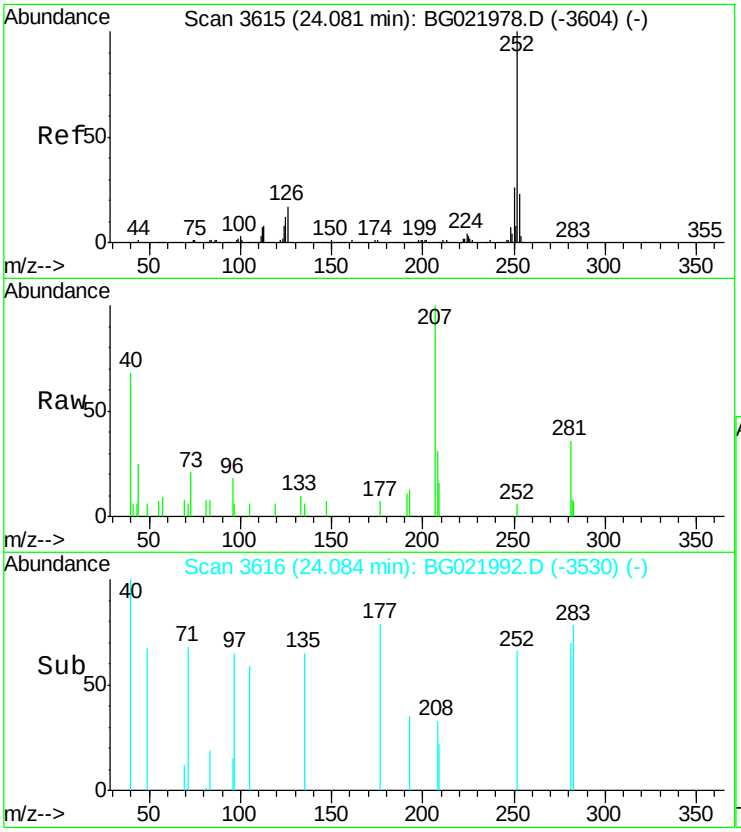




#85
Di-n-octyl phthalate
Concen: 0.03 ng/ul
RT: 22.92 min Scan# 3418
Delta R.T. -0.00 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Tgt Ion:149 Resp: 571



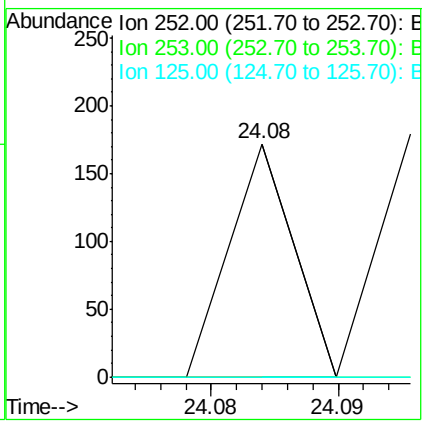


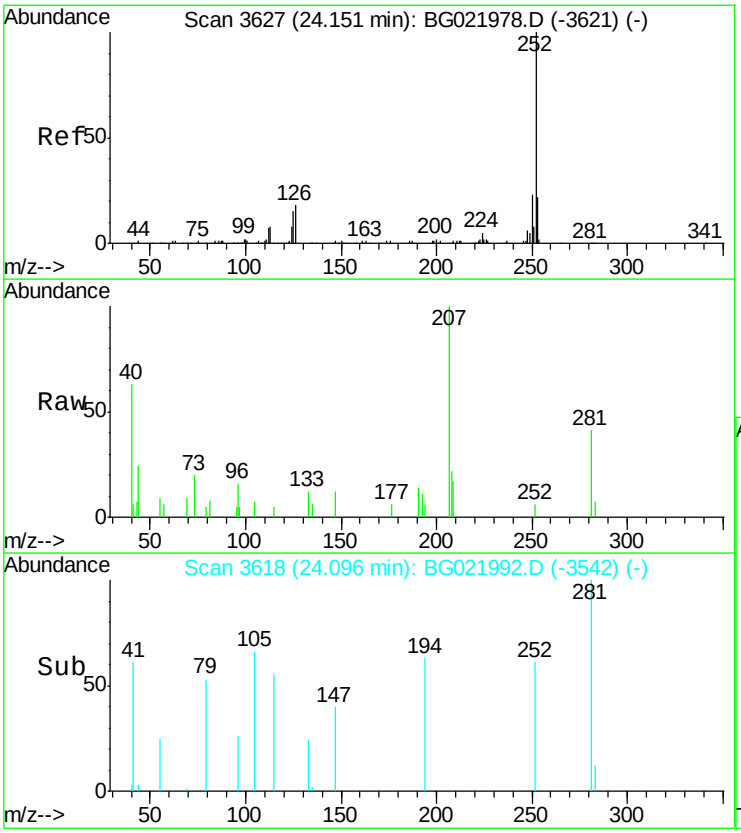
#86
Benzo(b)fluoranthene
Concen: 0.00 ng/ul
RT: 24.08 min Scan# 3616
Delta R.T. 0.00 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion:252 Resp: 61

Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.2	27.2#
125	0.0	10.8	16.2#

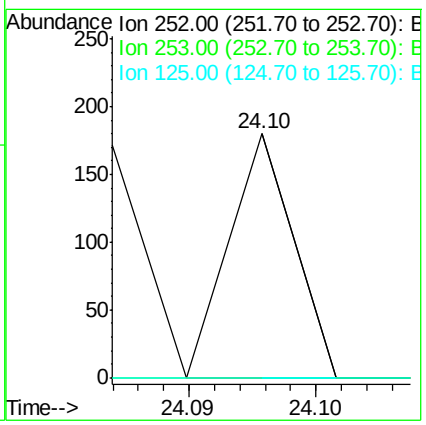


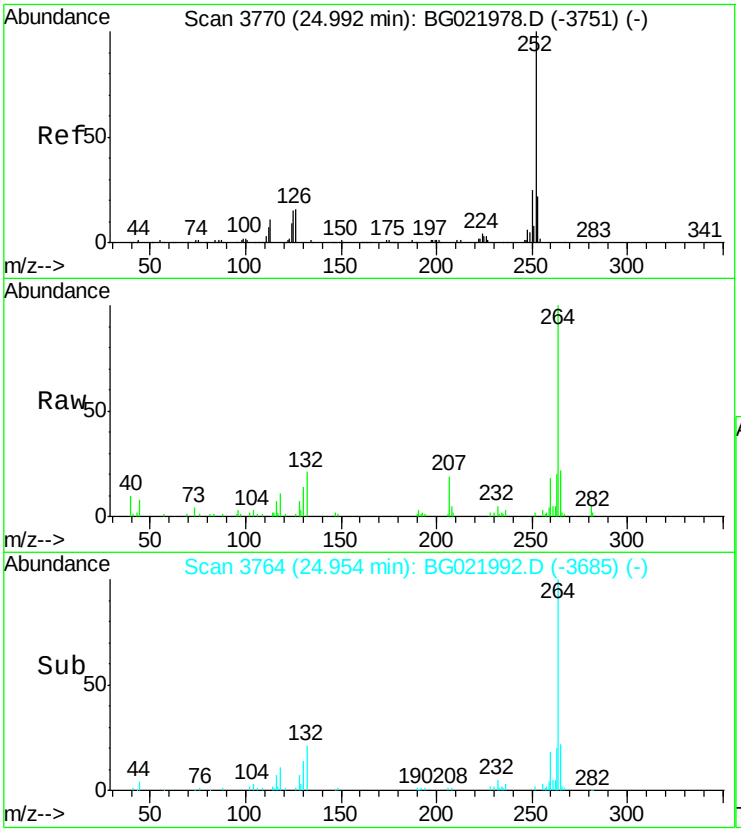


#87
Benzo(k)fluoranthene
Concen: 0.00 ng/ul
RT: 24.10 min Scan# 3618
Delta R.T. -0.06 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Tgt Ion:252 Resp: 63

Ion	Ratio	Lower	Upper
252	100		
253	0.0	15.8	23.6#
125	0.0	10.6	16.0#





#89
Benzo(a)pyrene
Concen: 0.01 ng/ul
RT: 24.95 min Scan# 3764
Delta R.T. -0.04 min
Lab File: BG021992.D
Acq: 22 May 2016 1:18

Instrument :
BNA_G
ClientSampleId :
BD3G3

Tgt Ion:252 Resp: 159

Ion	Ratio	Lower	Upper
252	100		
253	0.0	19.0	28.4#
125	0.0	12.0	18.0#