Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020313.D
Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

Quant Time: Dec 20 04:53:16 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 20 04:48:33 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	21763	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	97508	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	71182	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	160335	20.00	ng/ul	0.01
78) Chrysene-d12	21.75	240	212124	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	202237	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.46	96	1165	2.96	ng/uL	0.00
5) Phenol-d5	7.24	99	31663	16.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	21942	19.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	26971	19.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	28599	17.43	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	15444	20.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	17605	20.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	31460	18.36	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	41594	21.61	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	109606	19.04	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	125797	18.78	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	14454	14.00	ng/ul	0.00
58) Fluorene-d10	15.71	176	100380	19.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.85	200	12198	12.83	ng/ul	0.03
71) Anthracene-d10	17.59	188	153323	20.75	ng/ul	0.02
79) Pyrene-d10	19.86	212	184731	18.68	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	212294	21.05	ng/ul	0.00
Target Compounds						Qvalue
8) Bis(2-Chloroethyl)ether	7.53	93	1463	1.04	ng/ul#	19
17) Hexachloroethane	9.20	117	1578	2.57	ng/ul#	1
24) 2,4-Dimethylphenol	10.07	107	2567	1.25	ng/ul#	83
28) Naphthalene	10.99	128	3432080	674.01	ng/ul#	78
30) 4-Chloroaniline	10.99	127	626711	319.01	ng/ul#	12
34) 2-Methylnaphthalene	12.57	142	1166095	299.81	ng/ul	98
35) 1-Methylnaphthalene	12.78	142	571401	152.81	ng/ul#	97
41) 1,1'-Biphenyl	13.56	154	454878	84.70	ng/ul	97
43) 2-Nitroaniline	13.75	65	2161	1.48	ng/ul#	33
45) Dimethylphthalate	14.17	163	19140	3.25	ng/ul	100
46) 2,6-Dinitrotoluene	14.12	165	2756	2.27	ng/ul#	61
48) Acenaphthylene	14.45	152	101115	14.21	ng/ul#	95
50) Acenaphthene	14.81	153	1834239	383.06	ng/ul	91
53) 4-Nitrophenol	14.81	109	4061	4.09	ng/ul#	1
54) Dibenzofuran	15.14	168	1833877	257.45	ng/ul#	87
55) 2,4-Dinitrotoluene	15.07	165	3661	2.05	ng/ul#	36
59) Fluorene	15.79	166	1789977	312.93	ng/ul#	97
61) 4-Nitroaniline	15.79	138	25931	20.31	ng/ul#	13
65) N-Nitrosodiphenylamine	15.98	169	10109	2.27	ng/ul#	1
70) Phenanthrene	17.62	178	686653	78.30	ng/ul	98
72) Anthracene	17.62	178	686653	77.19	ng/ul	96
75) Carbazole	17.88	167	494722	66.19	ng/ul	98
80) Pyrene	19.90	202	2778271	216.40	ng/ul#	86

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020313.D
Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N70

Quant Time: Dec 20 04:53:16 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 20 04:48:33 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Benzo(a)anthracene	21.73	228	957785	77.38	ng/ul	95
85) Chrysene	21.80	228	782195	67.10	ng/ul	95
88) Benzo(b)fluoranthene	23.98	252	446633	36.69	ng/ul	96
89) Benzo(k)fluoranthene	23.98	252	446633	38.24	ng/ul	99
91) Benzo(a)pyrene	24.87	252	242223	20.99	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.74	276	68417	4.98	ng/ul	94
93) Dibenzo(a,h)anthracene	28.79	278	21622	1.90	ng/ul#	92
94) Benzo(g,h,i)perylene	29.89	276	23661	2.10	ng/ul	96

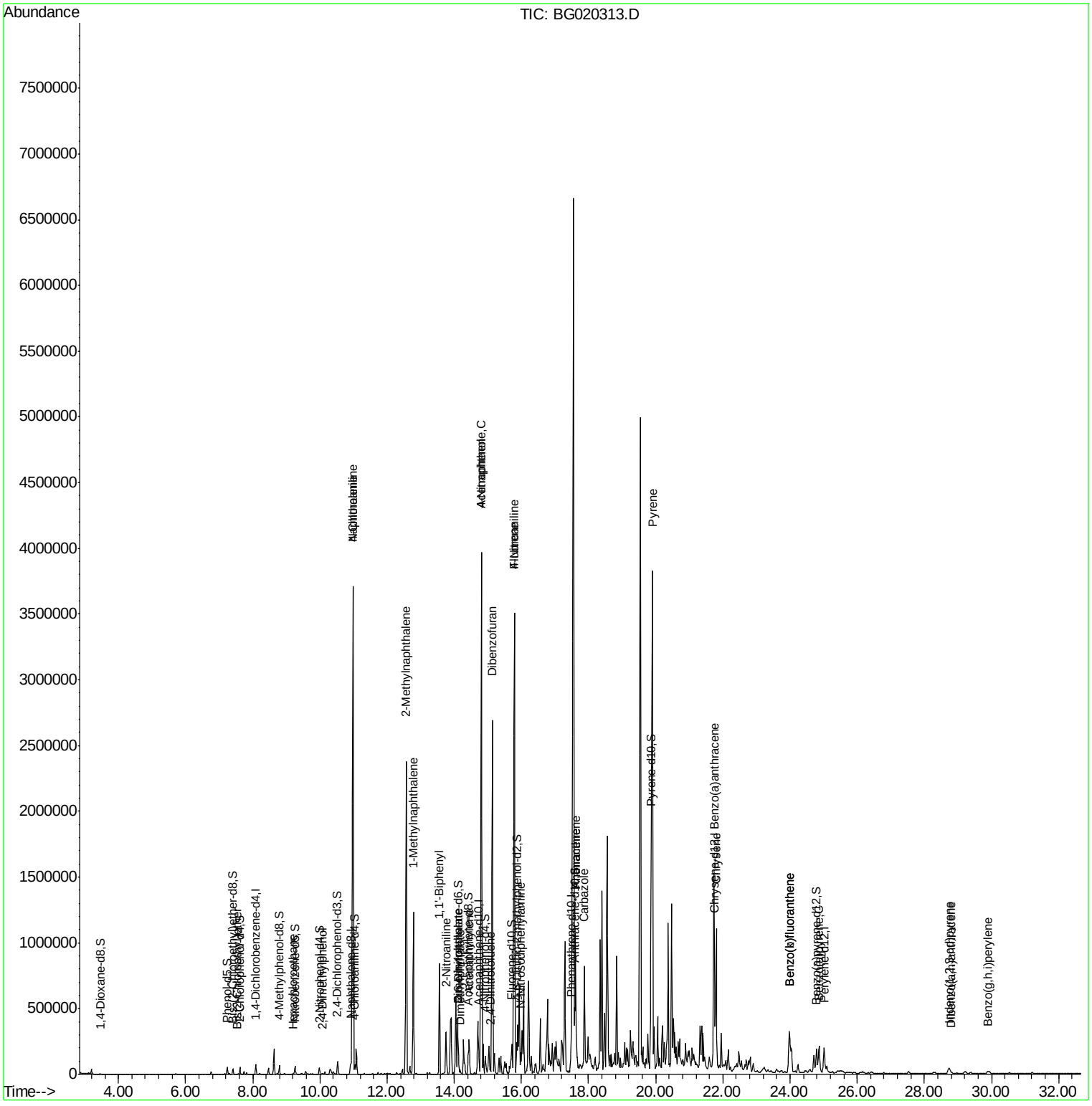
(#) = qualifier out of range (m) = manual integration (+) = signals summed

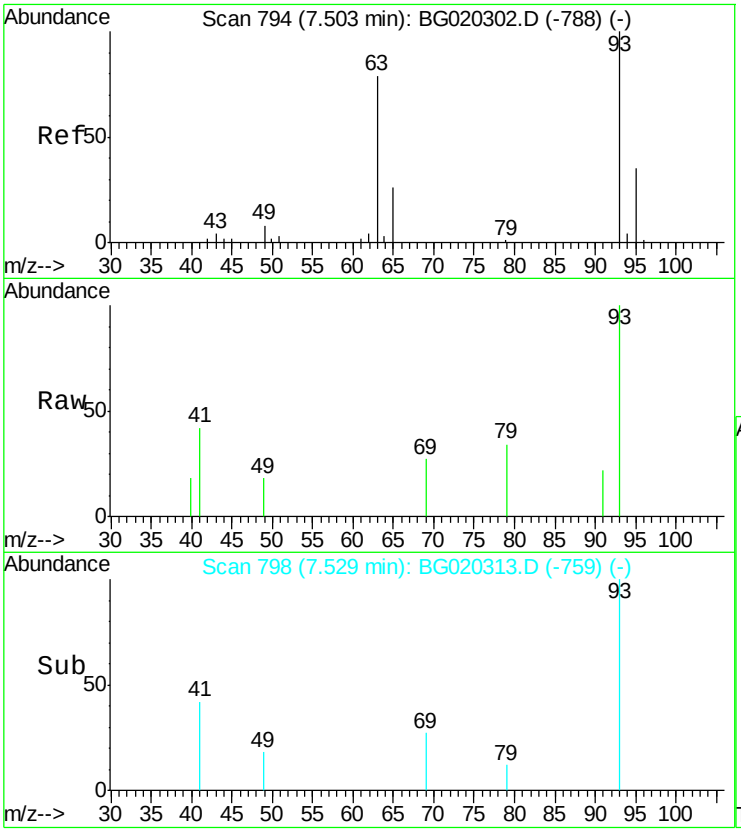
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020313.D
Acq On : 19 Dec 2015 15:53
Operator : UM/SJ
Sample : G4849-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N70

Quant Time: Dec 20 04:53:16 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 20 04:48:33 2015
Response via : Initial Calibration



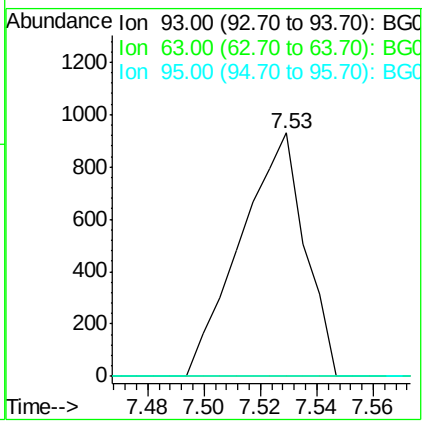


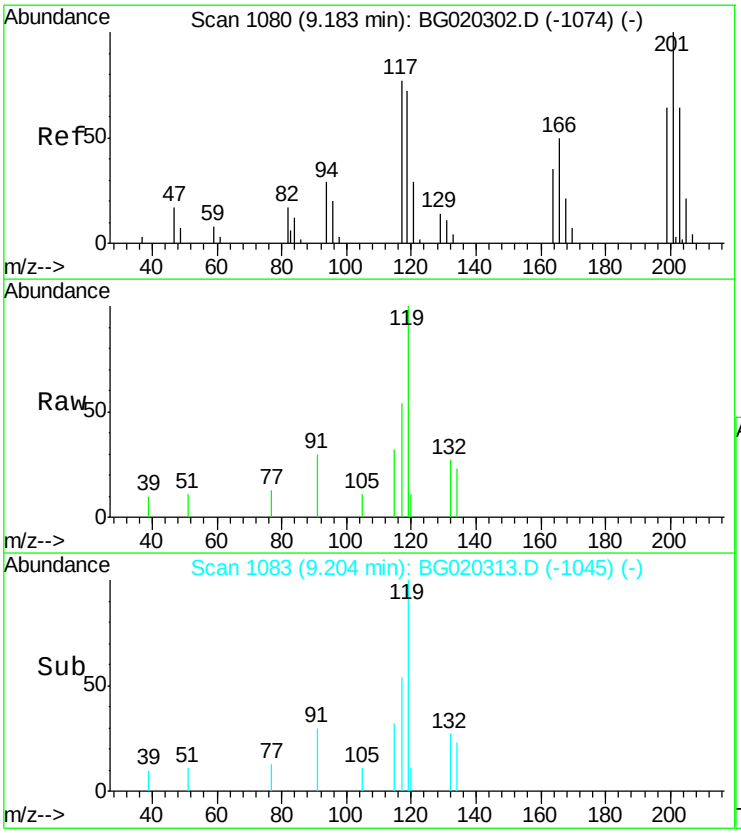
#8
Bis(2-Chloroethyl)ether
Concen: 1.04 ng/ul
RT: 7.53 min Scan# 798
Delta R.T. 0.03 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion: 93 Resp: 1463

Ion	Ratio	Lower	Upper
93	100		
63	0.0	63.6	95.4#
95	0.0	23.7	35.5#

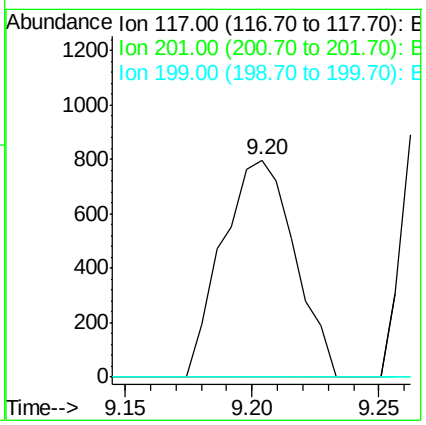


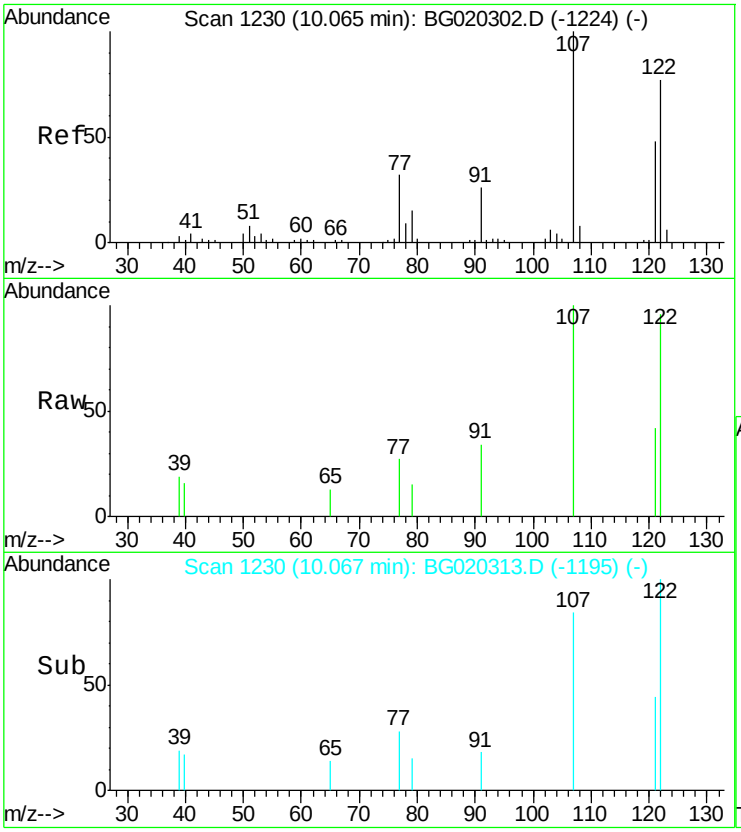


#17
Hexachloroethane
Concen: 2.57 ng/ul
RT: 9.20 min Scan# 1083
Delta R.T. 0.02 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:117 Resp: 1578

Ion	Ratio	Lower	Upper
117	100		
201	0.0	102.7	154.1#
199	0.0	65.8	98.8#



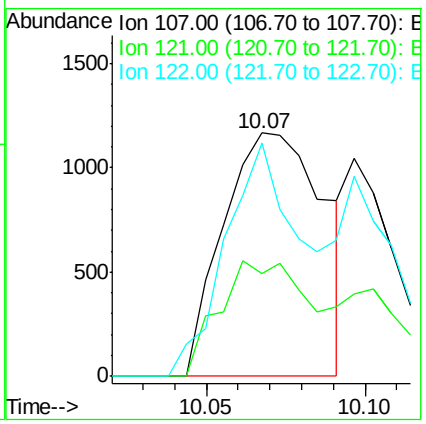


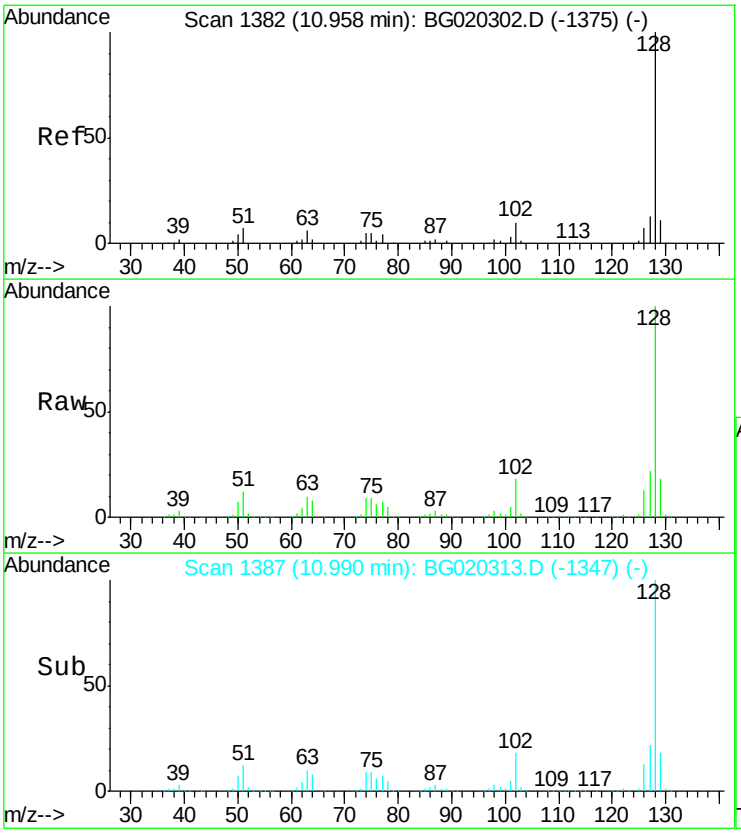
#24
2,4-Dimethylphenol
Concen: 1.25 ng/ul
RT: 10.07 min Scan# 1230
Delta R.T. 0.00 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:107 Resp: 2567

Ion	Ratio	Lower	Upper
107	100		
121	42.0	39.0	58.4
122	95.9	62.1	93.1#

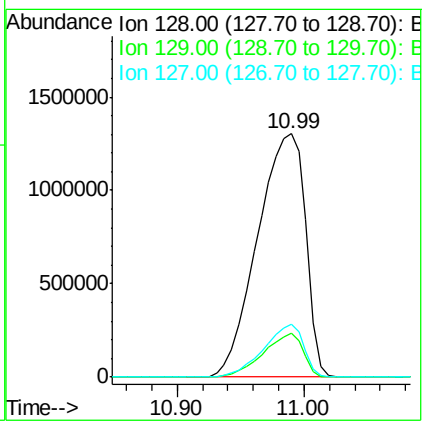


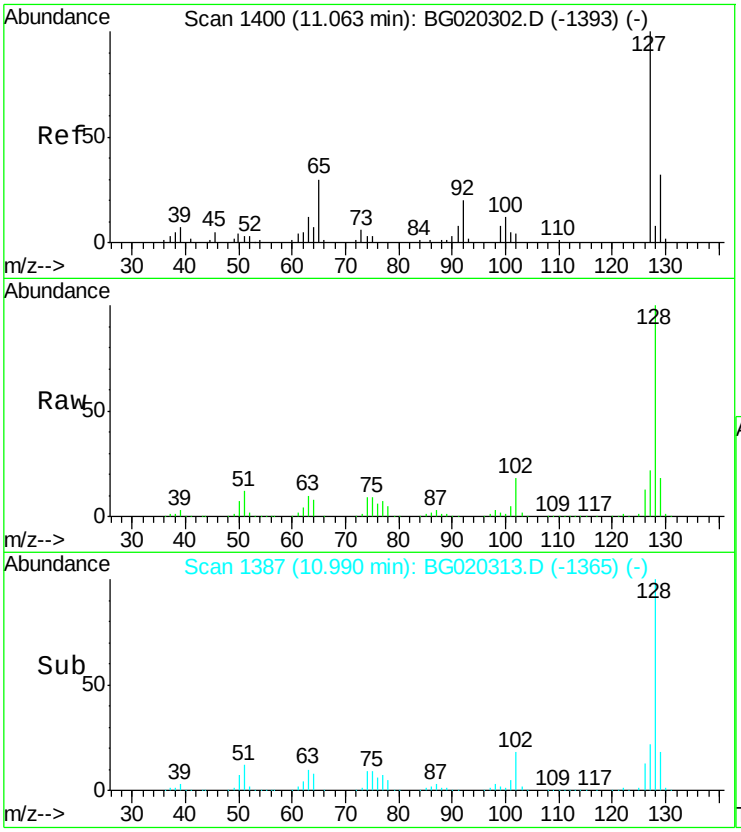


#28
Naphthalene
Concen: 674.01 ng/ul
RT: 10.99 min Scan# 1387
Delta R.T. 0.03 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:128 Resp: 3432080

Ion	Ratio	Lower	Upper
128	100		
129	17.9	8.6	12.8#
127	22.0	10.1	15.1#



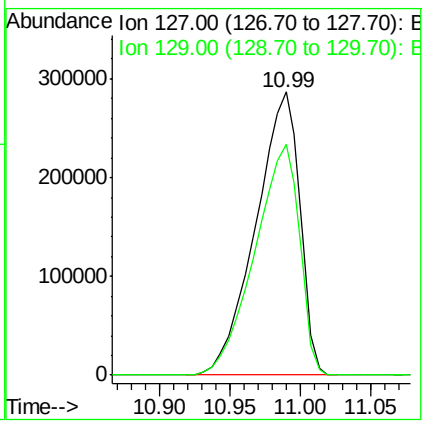


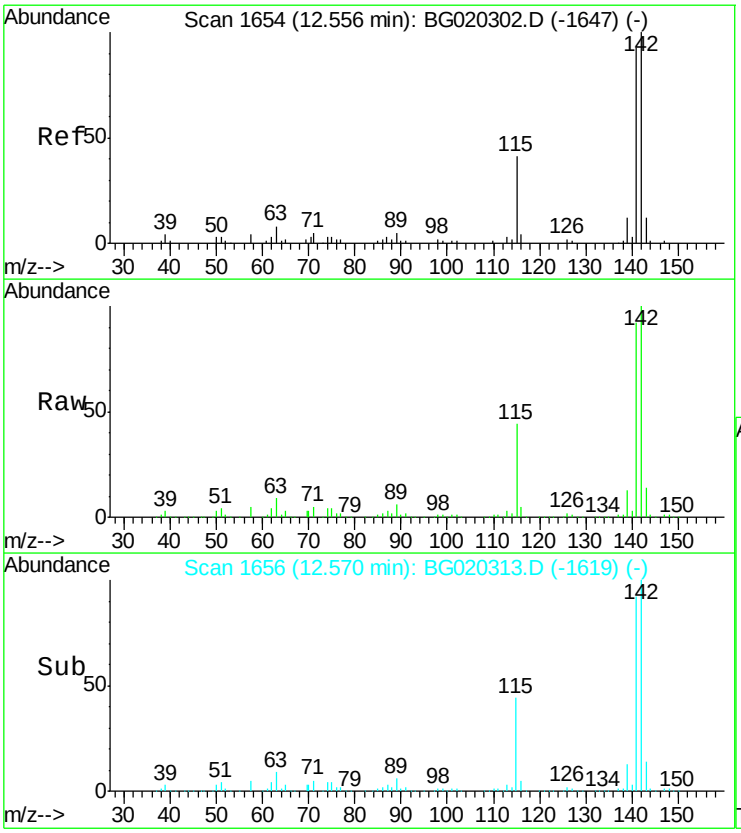
#30
4-Chloroaniline
Concen: 319.01 ng/ul
RT: 10.99 min Scan# 1387
Delta R.T. -0.07 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:127 Resp: 626711

Ion	Ratio	Lower	Upper
127	100		
129	81.5	25.7	38.5#

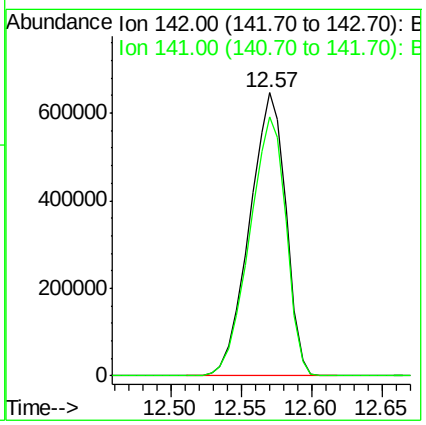


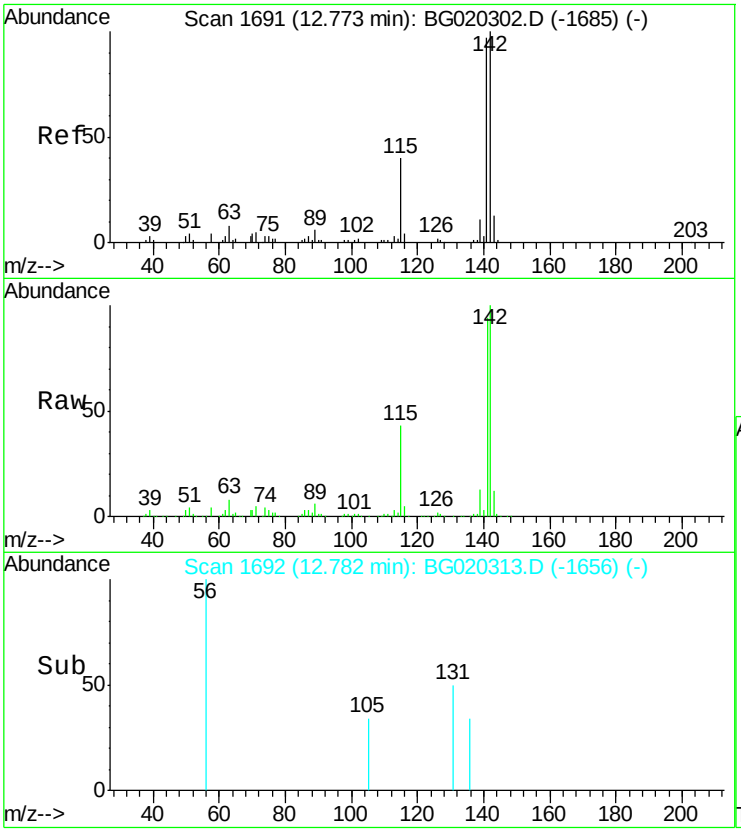


#34
2-Methylnaphthalene
Concen: 299.81 ng/ul
RT: 12.57 min Scan# 1656
Delta R.T. 0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:142 Resp: 1166095

Ion	Ratio	Lower	Upper
142	100		
141	91.6	74.9	112.3



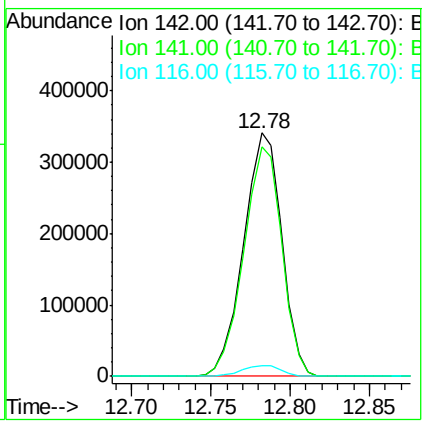


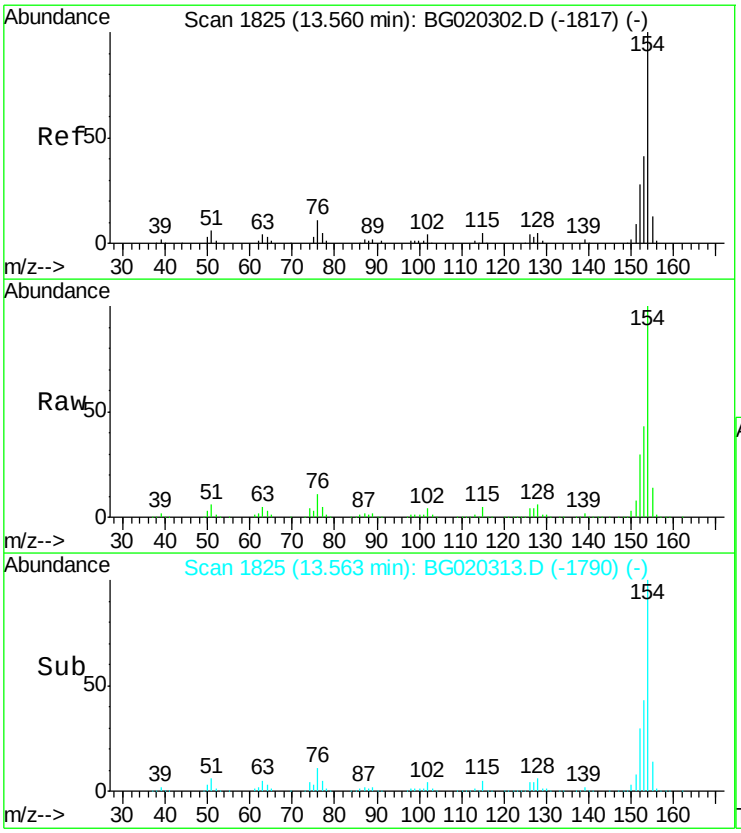
#35
1-Methylnaphthalene
Concen: 152.81 ng/ul
RT: 12.78 min Scan# 1692
Delta R.T. 0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:142 Resp: 571401

Ion	Ratio	Lower	Upper
142	100		
141	94.2	73.0	109.6
116	4.6	3.0	4.6#

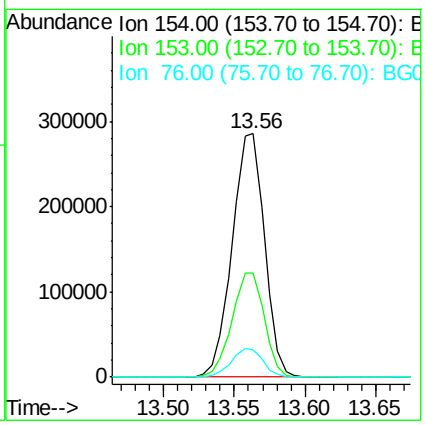


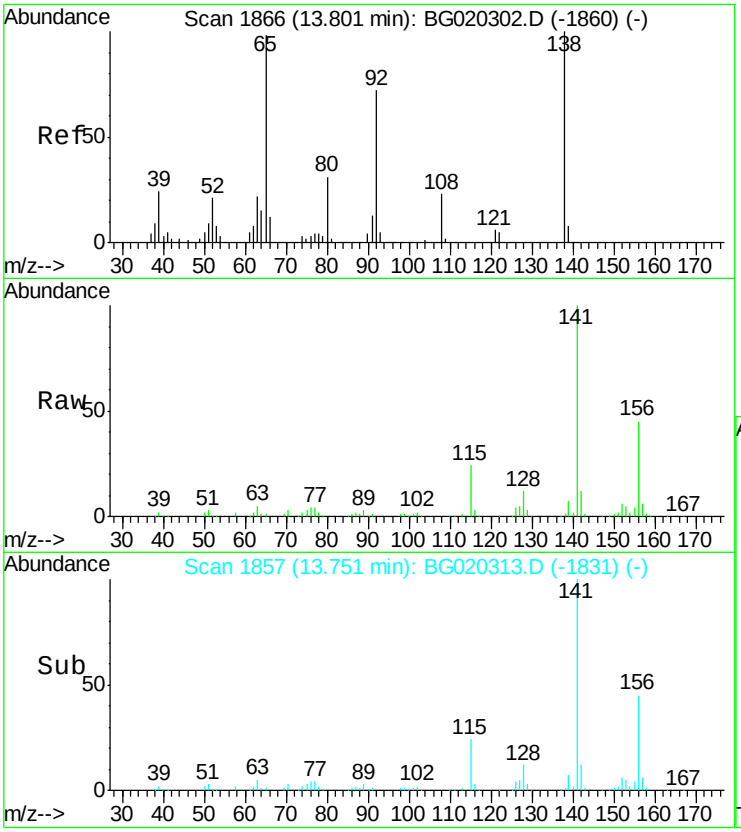


#41
1,1'-Biphenyl
Concen: 84.70 ng/ul
RT: 13.56 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:154 Resp: 454878

Ion	Ratio	Lower	Upper
154	100		
153	42.6	35.5	53.3
76	11.2	10.4	15.6



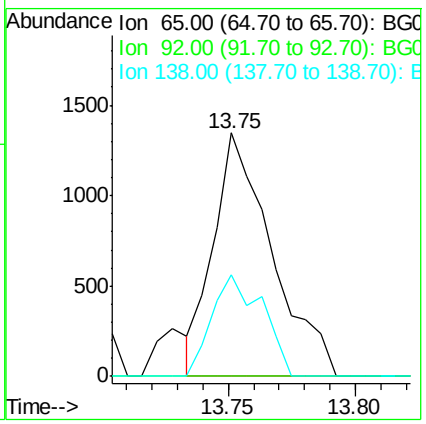


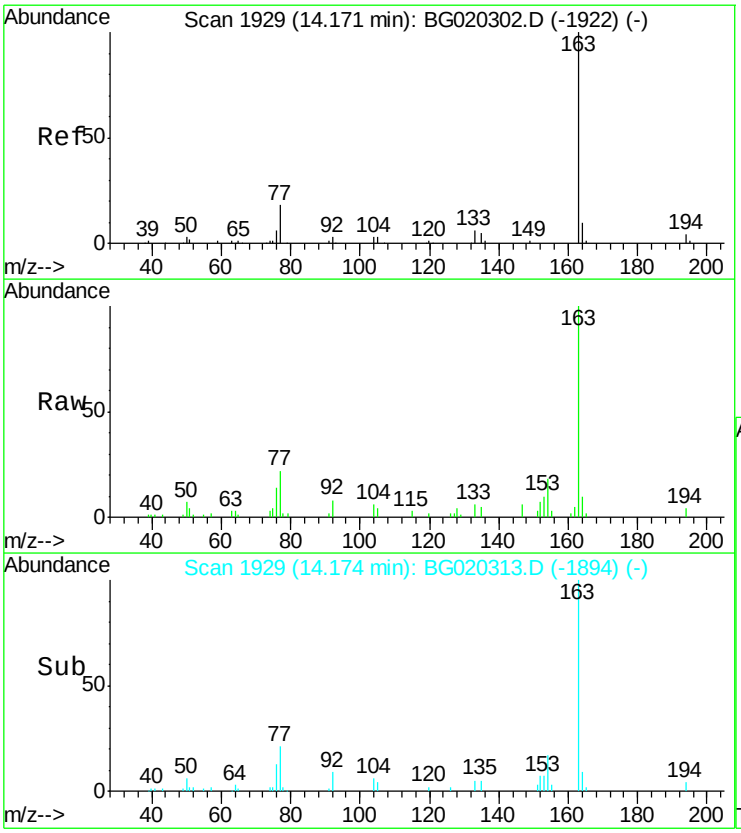
#43
2-Nitroaniline
Concen: 1.48 ng/ul
RT: 13.75 min Scan# 1857
Delta R.T. -0.05 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion: 65 Resp: 2161

Ion	Ratio	Lower	Upper
65	100		
92	0.0	53.1	79.7#
138	41.9	76.6	114.8#

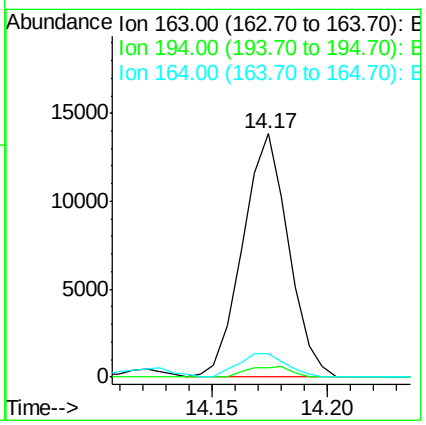


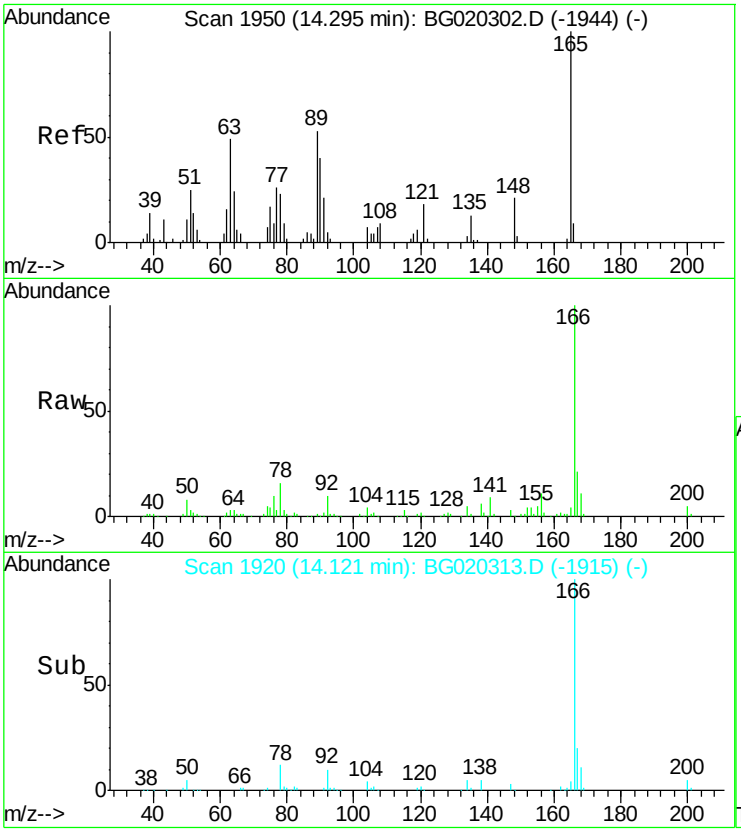


#45
Dimethylphthalate
Concen: 3.25 ng/ul
RT: 14.17 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:163 Resp: 19140

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.5	5.3
164	9.6	7.7	11.5



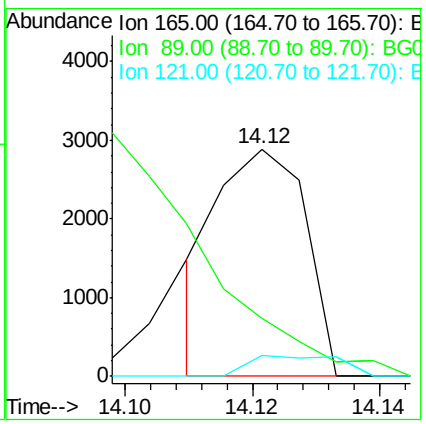


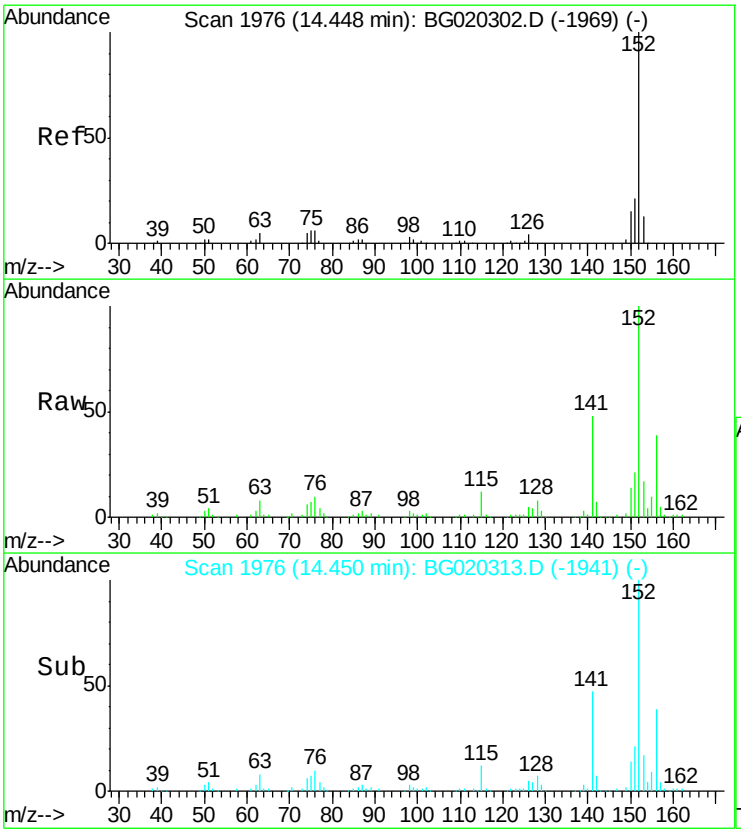
#46
2,6-Dinitrotoluene
Concen: 2.27 ng/ul
RT: 14.12 min Scan# 1920
Delta R.T. -0.17 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:165 Resp: 2756

Ion	Ratio	Lower	Upper
165	100		
89	25.5	47.0	70.4#
121	9.5	17.0	25.6#

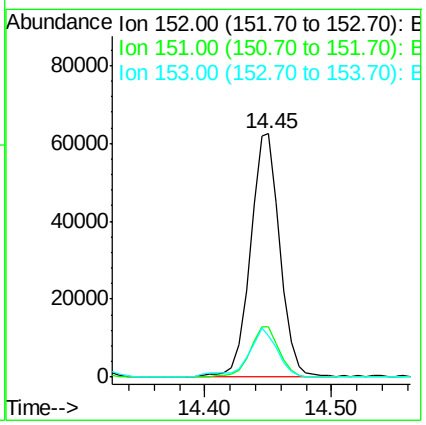


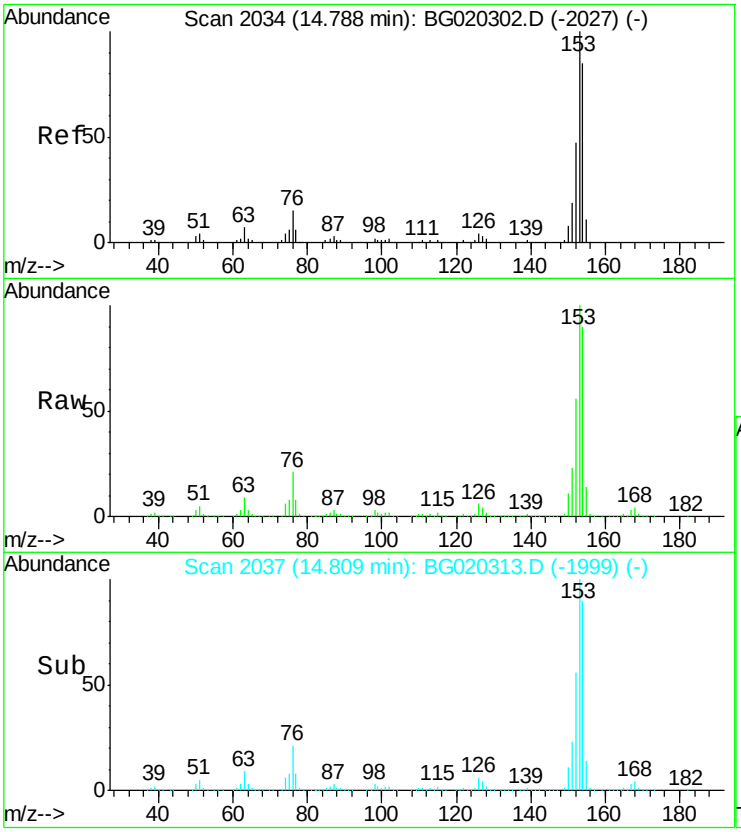


#48
Acenaphthylene
Concen: 14.21 ng/ul
RT: 14.45 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:152 Resp: 101115

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.4	24.6
153	17.2	10.4	15.6#



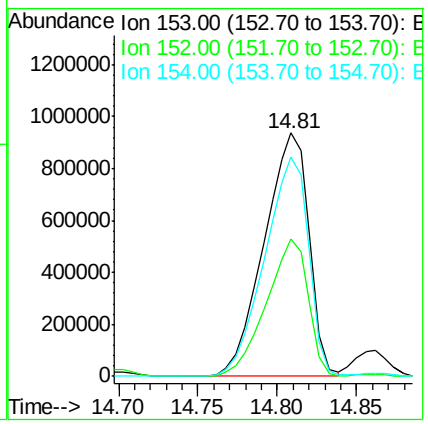


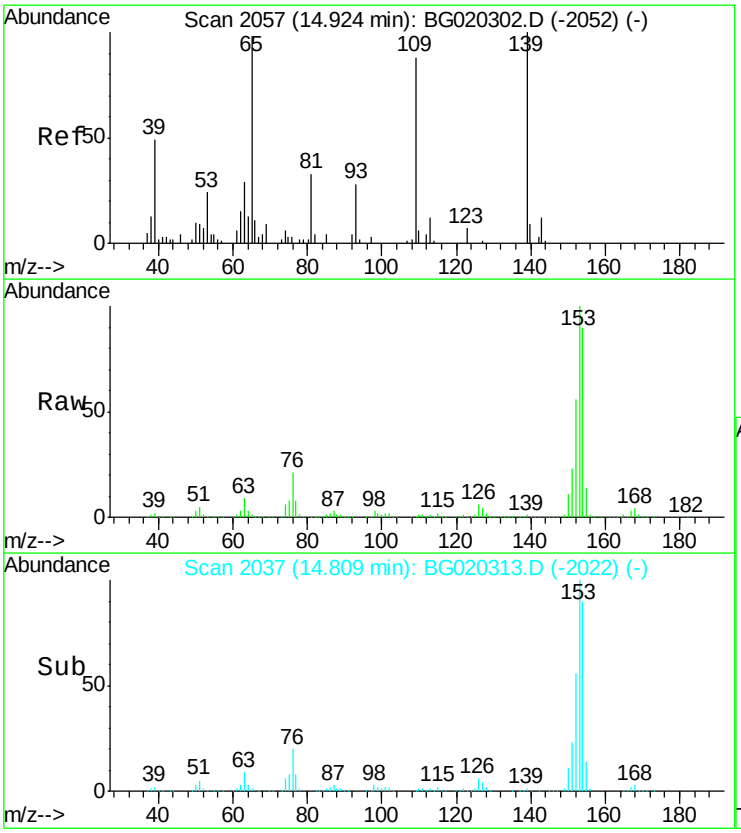
#50
Acenaphthene
Concen: 383.06 ng/ul
RT: 14.81 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:153 Resp: 1834239

Ion	Ratio	Lower	Upper
153	100		
152	56.4	37.6	56.4
154	90.1	67.9	101.9

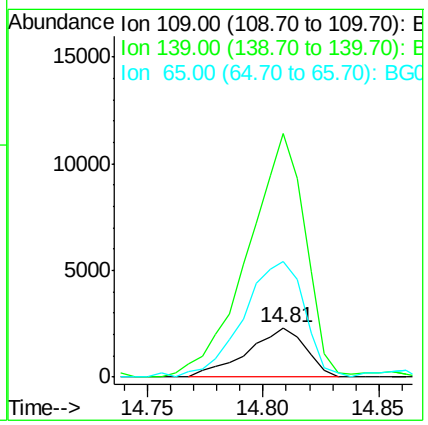


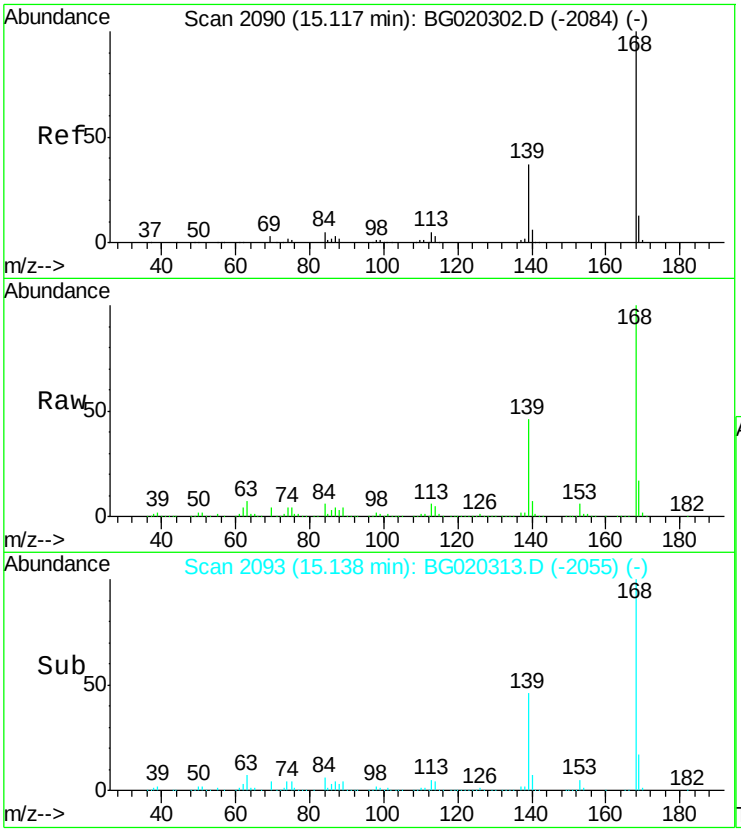


#53
4-Nitrophenol
Concen: 4.09 ng/ul
RT: 14.81 min Scan# 2037
Delta R.T. -0.11 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:109 Resp: 4061

Ion	Ratio	Lower	Upper
109	100		
139	492.2	80.5	120.7#
65	234.4	93.4	140.2#



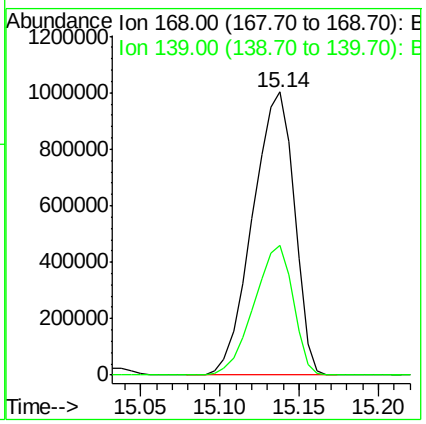


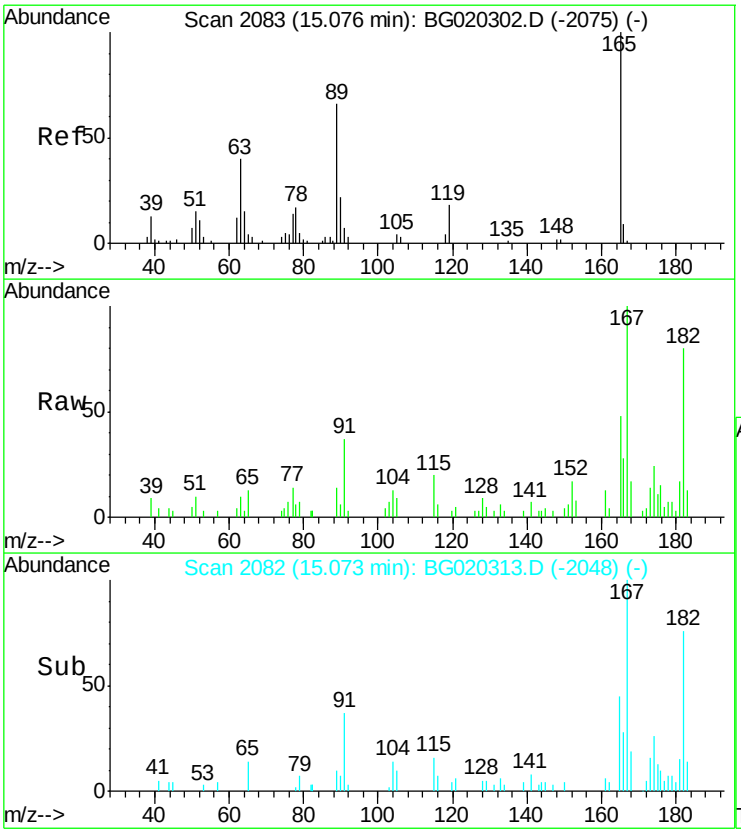
#54
Dibenzofuran
Concen: 257.45 ng/ul
RT: 15.14 min Scan# 2093
Delta R.T. 0.02 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:168 Resp: 1833877

Ion	Ratio	Lower	Upper
168	100		
139	45.8	30.5	45.7#

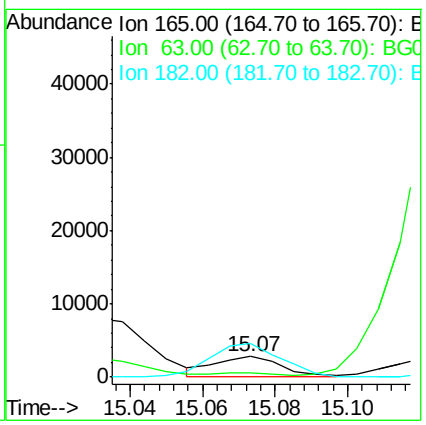


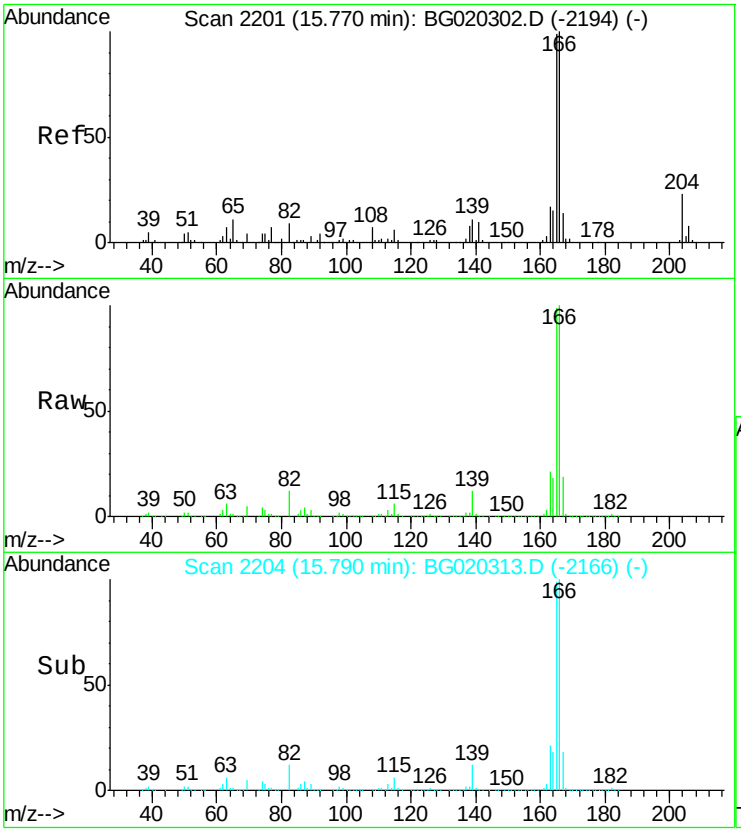


#55
2,4-Dinitrotoluene
Concen: 2.05 ng/ul
RT: 15.07 min Scan# 2082
Delta R.T. -0.00 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:165 Resp: 3661

Ion	Ratio	Lower	Upper
165	100		
63	20.1	35.8	53.8#
182	166.7	2.2	3.2#



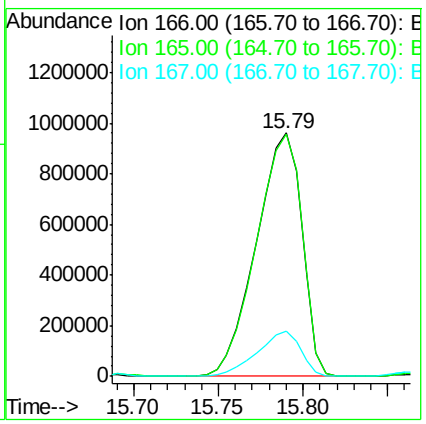


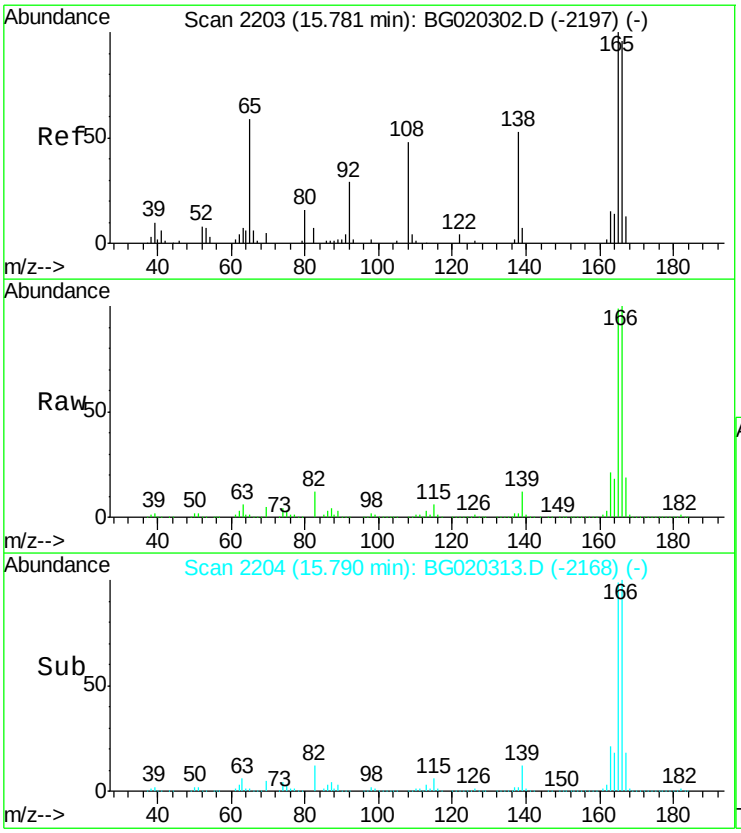
#59
Fluorene
Concen: 312.93 ng/ul
RT: 15.79 min Scan# 2204
Delta R.T. 0.02 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:166 Resp: 1789977

Ion	Ratio	Lower	Upper
166	100		
165	99.3	81.4	122.0
167	18.5	11.2	16.8#

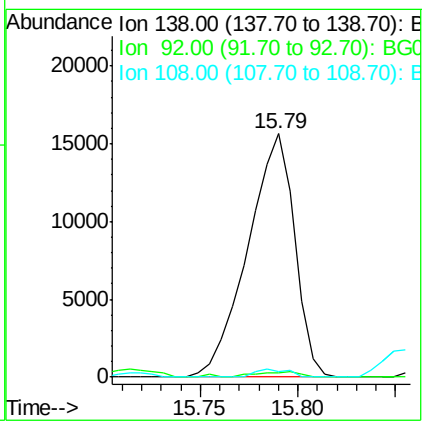


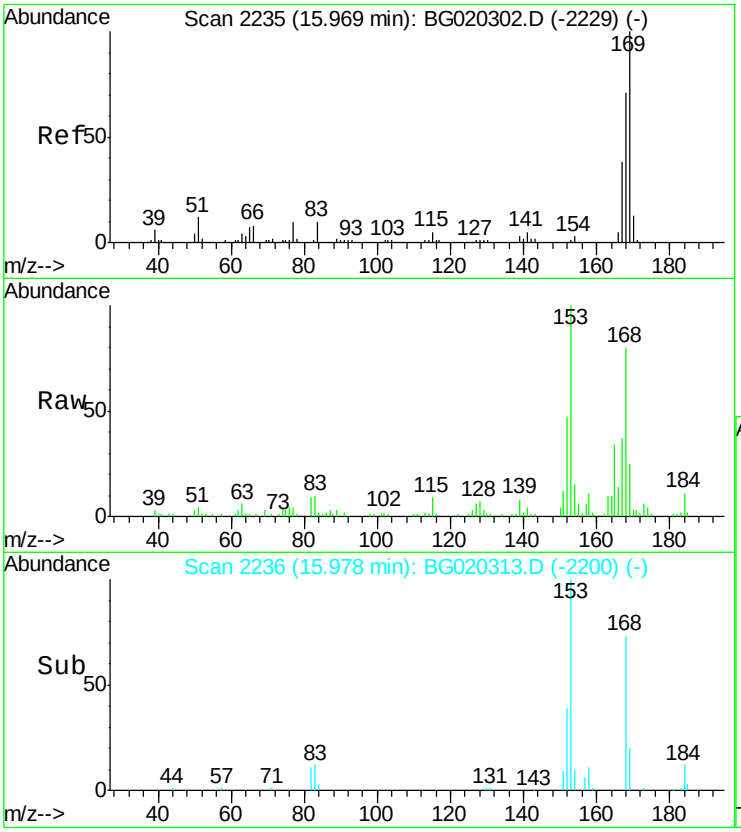


#61
4-Nitroaniline
Concen: 20.31 ng/ul
RT: 15.79 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:138 Resp: 25931

Ion	Ratio	Lower	Upper
138	100		
92	1.8	45.2	67.8#
108	2.5	75.4	113.0#



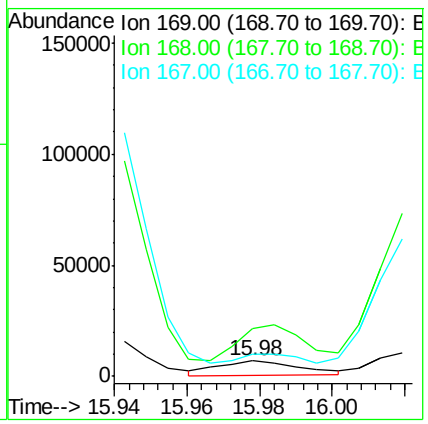


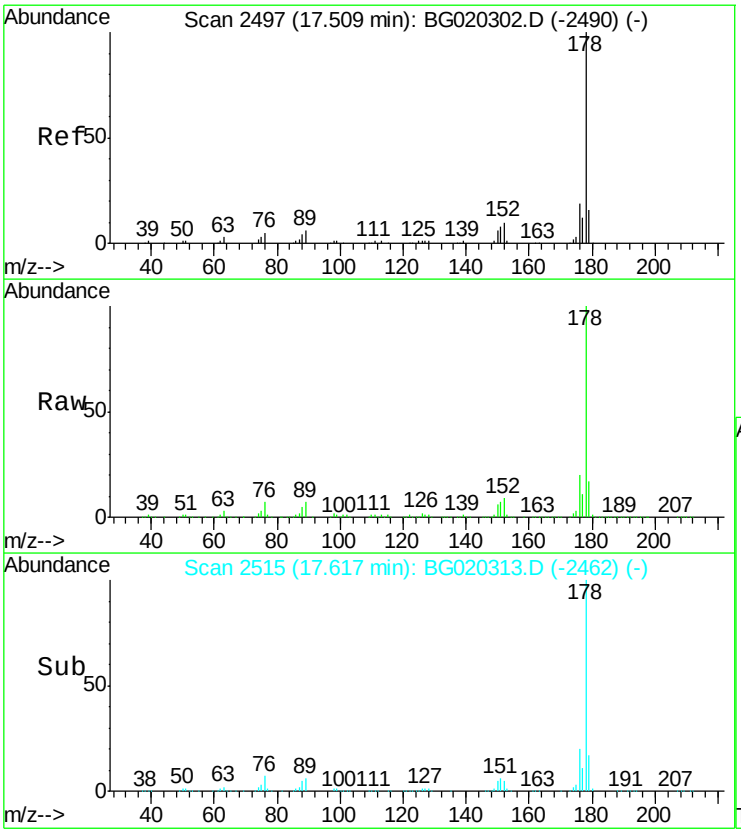
#65
N-Nitrosodiphenylamine
Concen: 2.27 ng/ul
RT: 15.98 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:169 Resp: 10109

Ion	Ratio	Lower	Upper
169	100		
168	313.8	54.3	81.5#
167	145.8	31.8	47.8#

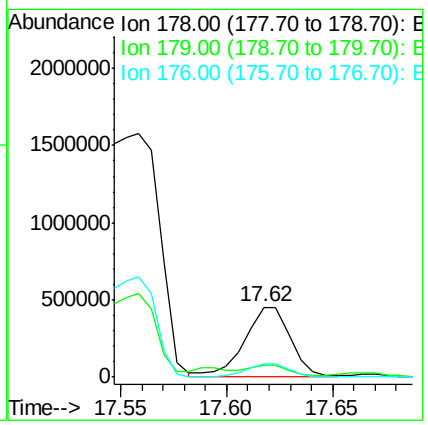


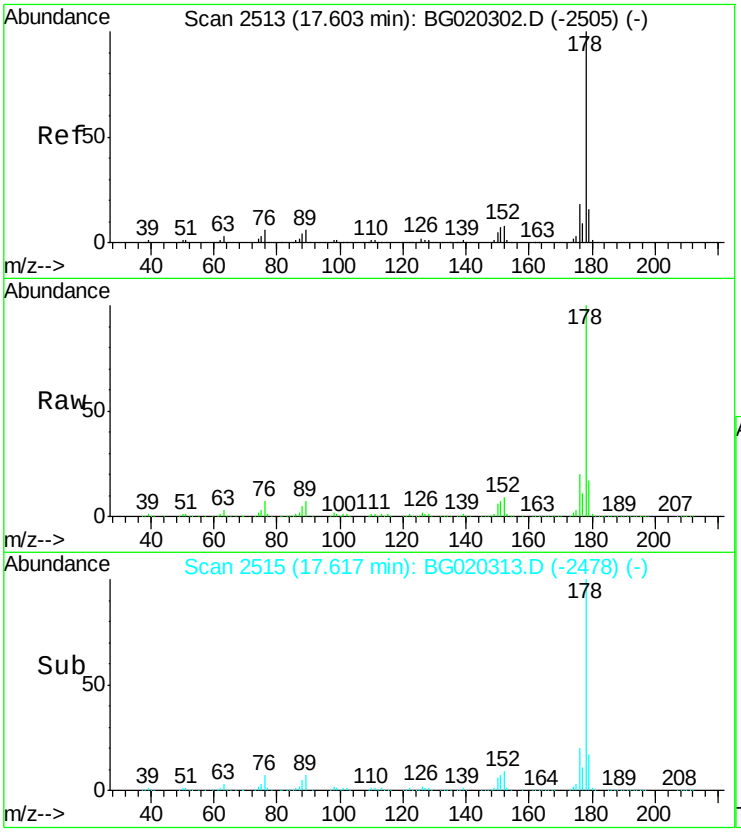


#70
Phenanthrene
Concen: 78.30 ng/ul
RT: 17.62 min Scan# 2515
Delta R.T. 0.11 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:178 Resp: 686653

Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.9	19.3
176	19.6	15.3	22.9



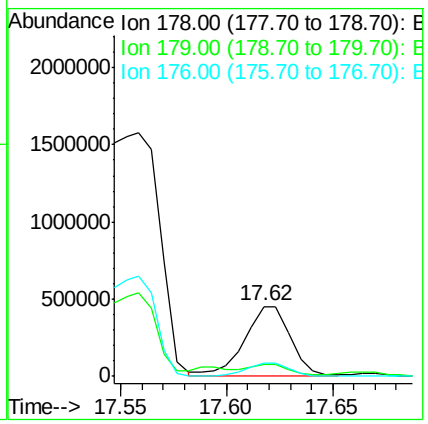


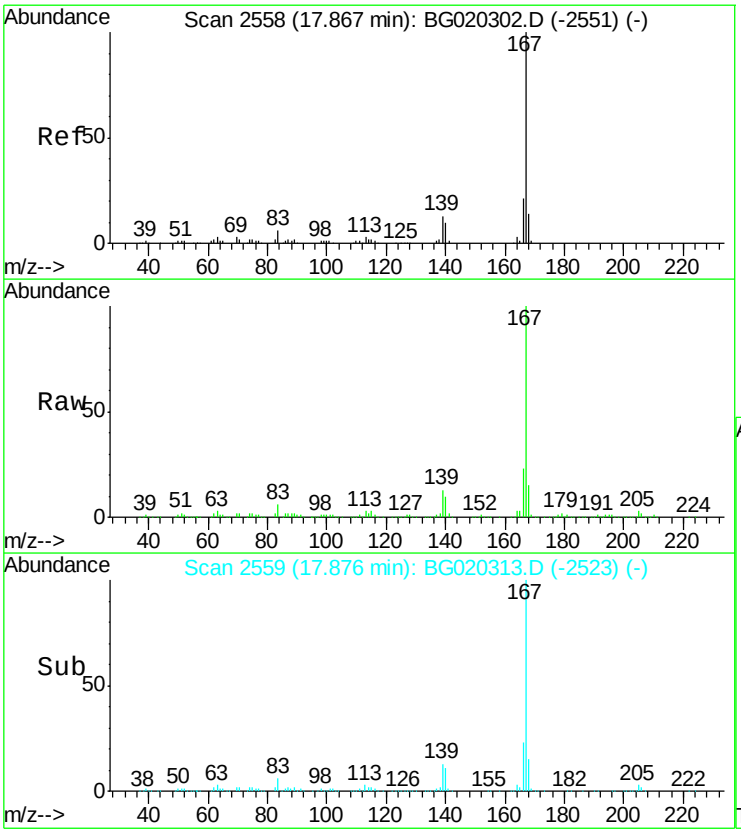
#72
Anthracene
Concen: 77.19 ng/ul
RT: 17.62 min Scan# 2515
Delta R.T. 0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:178 Resp: 686653

Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.3	18.5
176	19.6	14.3	21.5

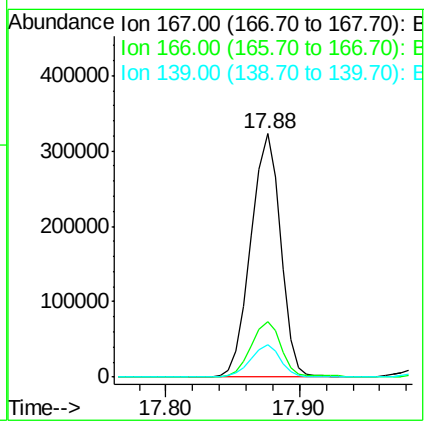


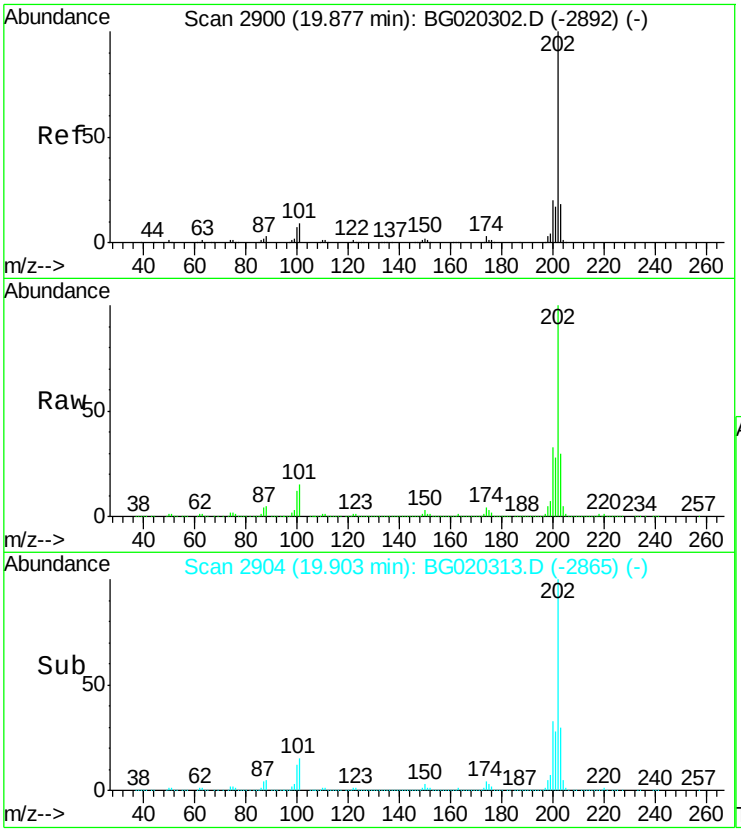


#75
Carbazole
Concen: 66.19 ng/ul
RT: 17.88 min Scan# 2559
Delta R.T. 0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:167 Resp: 494722

Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.0	25.6
139	13.1	10.1	15.1



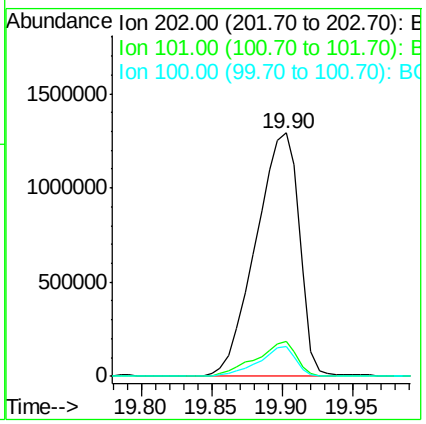


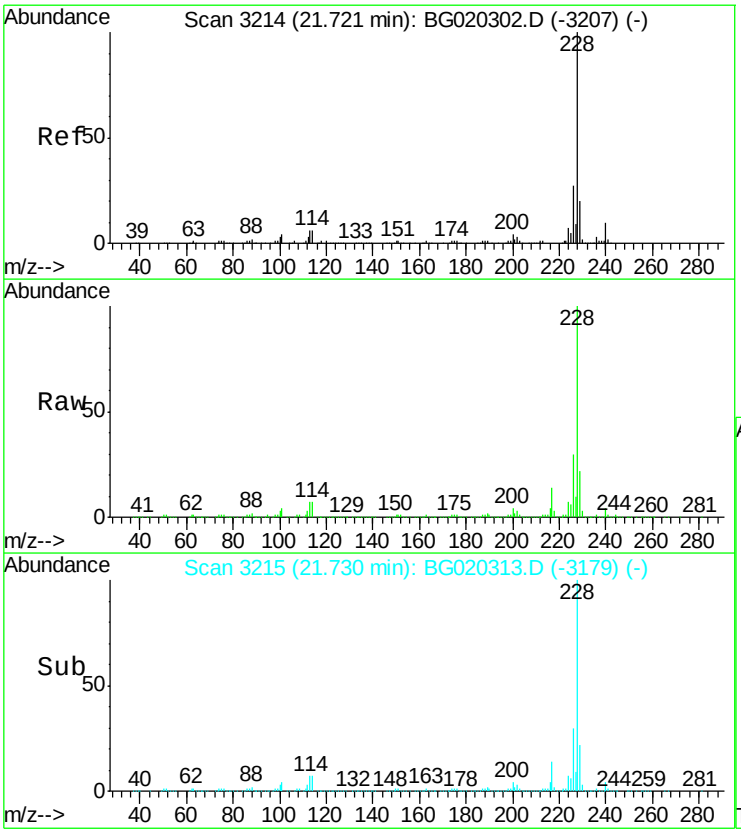
#80
Pyrene
Concen: 216.40 ng/ul
RT: 19.90 min Scan# 2904
Delta R.T. 0.03 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:202 Resp: 2778271

Ion	Ratio	Lower	Upper
202	100		
101	14.6	7.0	10.4#
100	12.2	6.4	9.6#

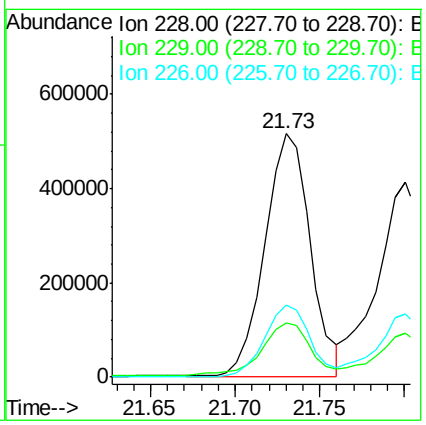


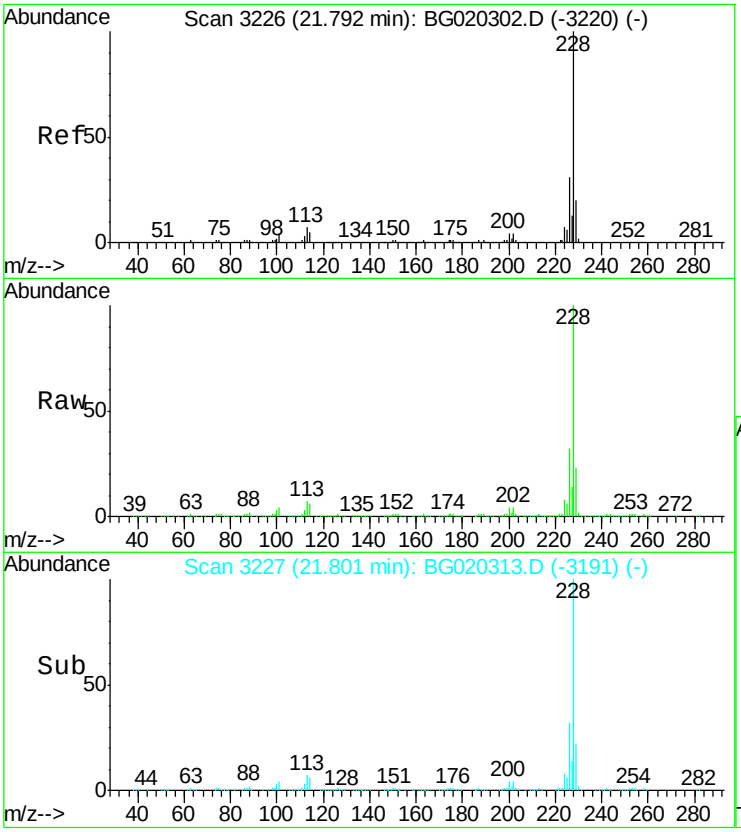


#83
Benzo(a)anthracene
Concen: 77.38 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:228 Resp: 957785

Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.8	23.8
226	29.7	21.8	32.6



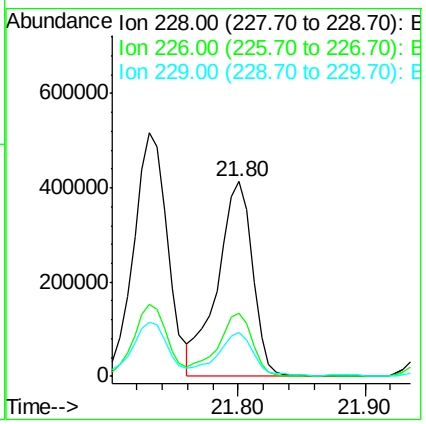


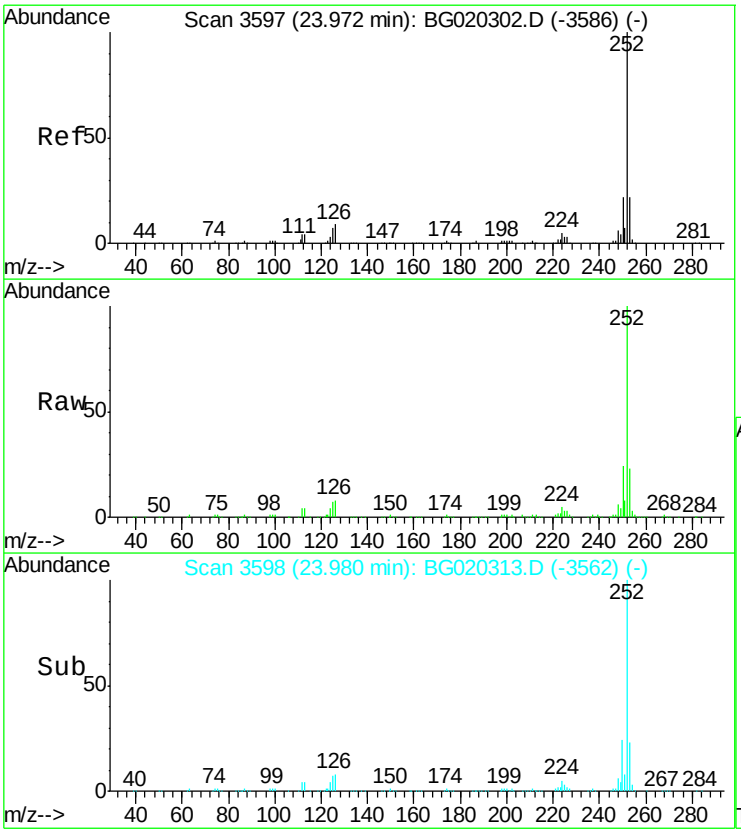
#85
Chrysene
Concen: 67.10 ng/ul
RT: 21.80 min Scan# 3227
Delta R.T. 0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:228 Resp: 782195

Ion	Ratio	Lower	Upper
228	100		
226	32.3	23.9	35.9
229	22.6	15.6	23.4

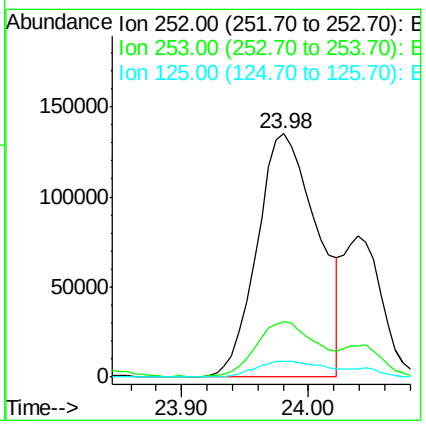


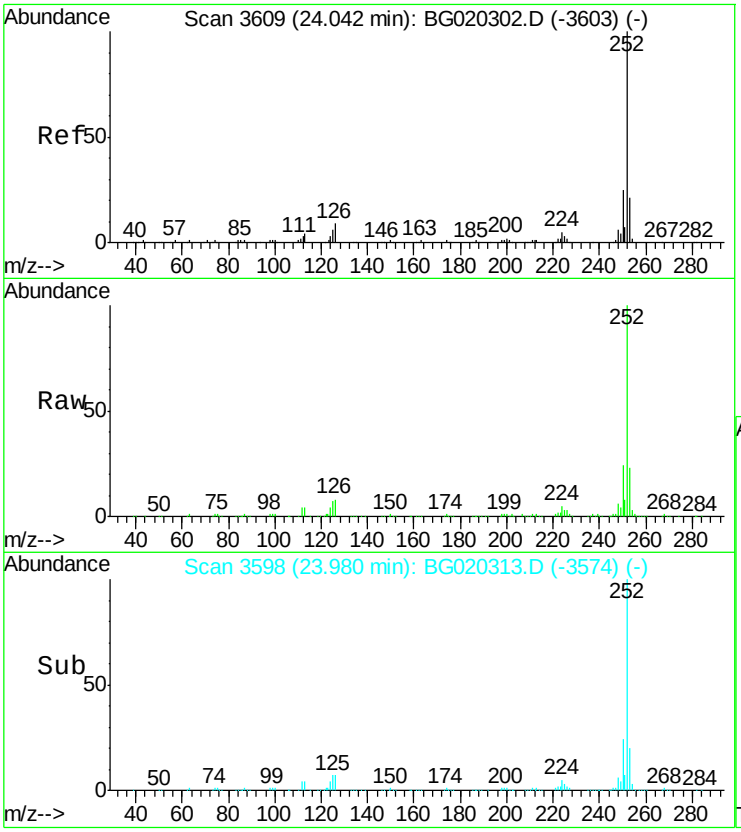


#88
Benzo(b)fluoranthene
Concen: 36.69 ng/ul
RT: 23.98 min Scan# 3598
Delta R.T. 0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:252 Resp: 446633

Ion	Ratio	Lower	Upper
252	100		
253	22.8	16.7	25.1
125	6.7	6.2	9.2



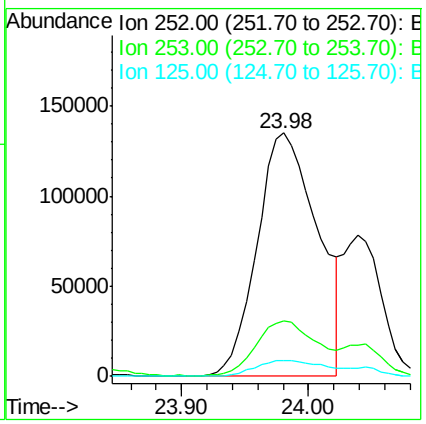


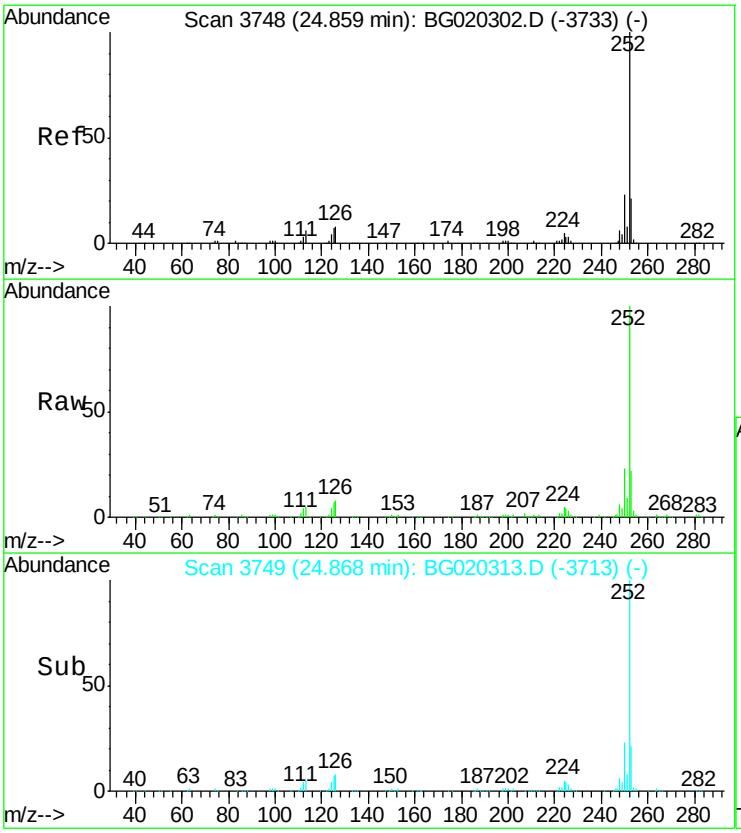
#89
Benzo(k)fluoranthene
Concen: 38.24 ng/ul
RT: 23.98 min Scan# 3598
Delta R.T. -0.06 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:252 Resp: 446633

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	6.7	5.8	8.6

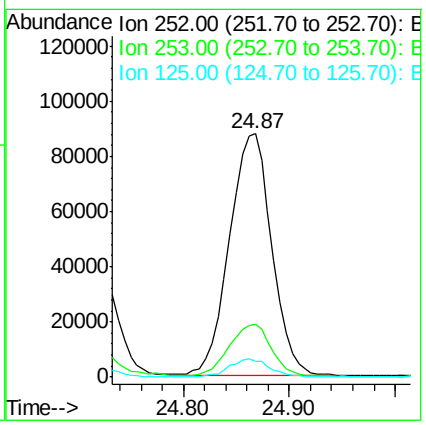


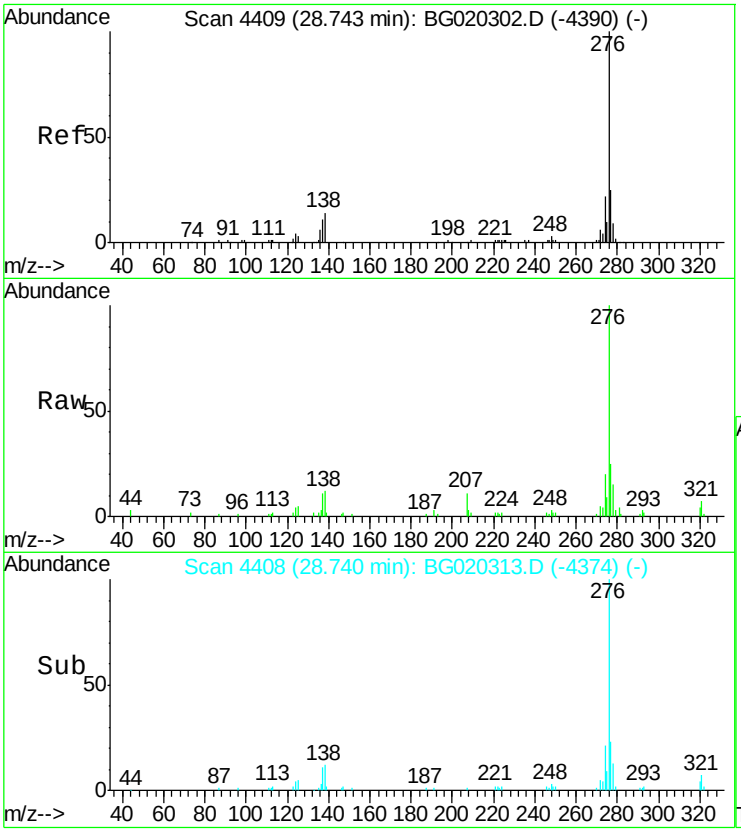


#91
Benzo(a)pyrene
Concen: 20.99 ng/ul
RT: 24.87 min Scan# 3749
Delta R.T. 0.01 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:252 Resp: 242223

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.4
125	6.6	6.2	9.4



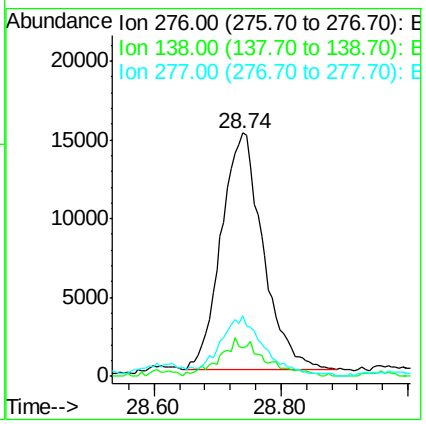


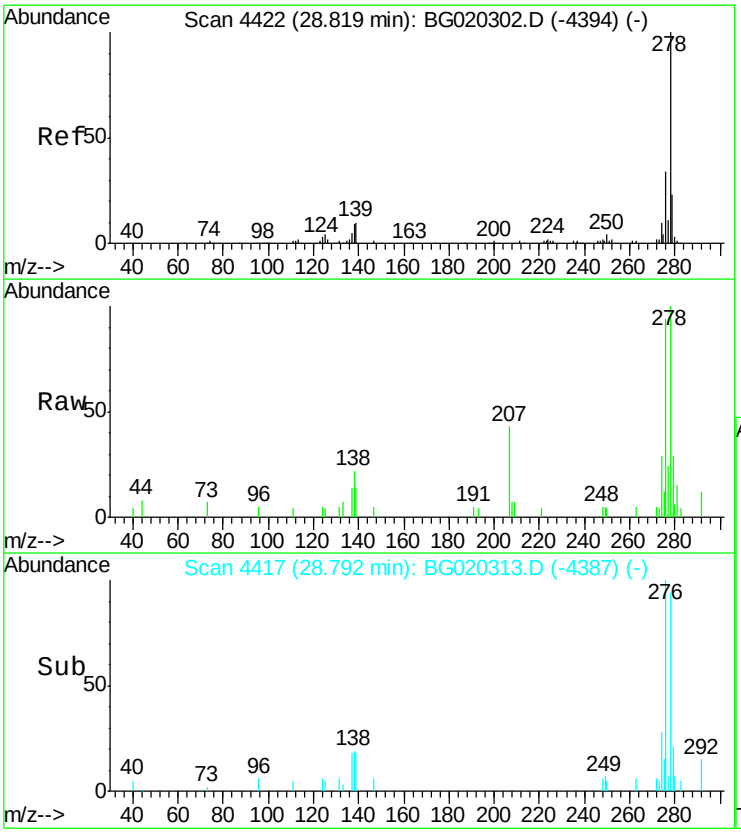
#92
Indeno(1,2,3-cd)pyrene
Concen: 4.98 ng/ul
RT: 28.74 min Scan# 4408
Delta R.T. -0.00 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:276 Resp: 68417

Ion	Ratio	Lower	Upper
276	100		
138	11.7	11.4	17.0
277	24.8	17.4	26.0

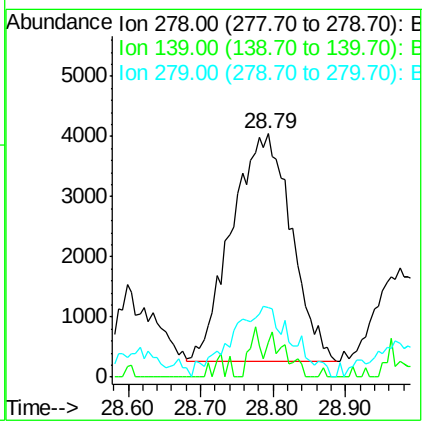


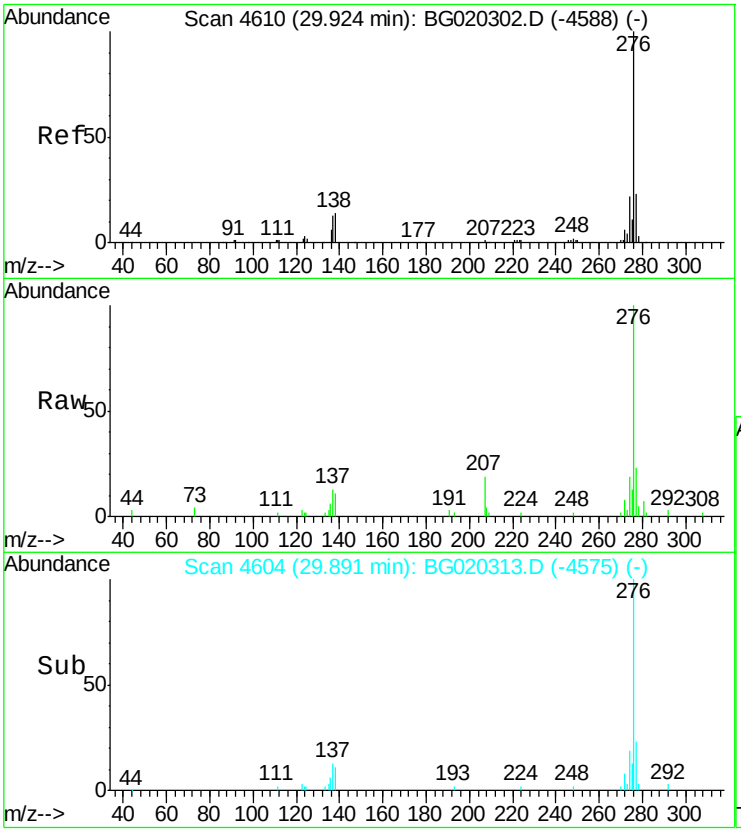


#93
Dibenzo(a,h)anthracene
Concen: 1.90 ng/ul
RT: 28.79 min Scan# 4417
Delta R.T. -0.03 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Tgt Ion:278 Resp: 21622

Ion	Ratio	Lower	Upper
278	100		
139	14.2	9.4	14.2#
279	28.6	19.4	29.0





#94
Benzo(g,h,i)perylene
Concen: 2.10 ng/ul
RT: 29.89 min Scan# 4604
Delta R.T. -0.03 min
Lab File: BG020313.D
Acq: 19 Dec 2015 15:53

Instrument :
BNA_G
ClientSampleId :
D9N70

Tgt Ion:276 Resp: 23661

Ion	Ratio	Lower	Upper
276	100		
138	11.3	10.8	16.2
277	23.4	19.9	29.9