Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020418.D
Acq On : 22 Dec 2015 20:52
Operator : UM/SJ
Sample : G4767-22
Misc : MED LEVEL RX
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44ME

Quant Time: Dec 23 04:17:09 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 04:11:36 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	20499	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	91670	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.72	164	68627	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	139829	20.00	ng/ul	0.01
78) Chrysene-d12	21.75	240	175989	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	171430	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.46	96	1086	2.93	ng/uL	0.00
5) Phenol-d5	7.24	99	32145	17.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	21223	19.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	26141	19.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	29277	18.94	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	15271	21.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	17762	22.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	32014	19.88	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	36446	20.14	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	109251	19.68	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	129025	19.98	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	13194	13.25	ng/ul	0.00
58) Fluorene-d10	15.71	176	99685	19.80	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.86	200	13650	16.47	ng/ul	0.03
71) Anthracene-d10	17.59	188	143545	22.28	ng/ul	0.03
79) Pyrene-d10	19.86	212	175464	21.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	202143	23.64	ng/ul	0.00
Target Compounds						Qvalue
16) 4-Methylphenol	8.86	108	2195	1.34	ng/ul#	74
17) Hexachloroethane	9.19	117	1933	3.34	ng/ul#	1
24) 2,4-Dimethylphenol	10.07	107	5265	2.72	ng/ul	91
28) Naphthalene	10.99	128	3922615	819.40	ng/ul#	74
30) 4-Chloroaniline	10.99	127	749054	405.57	ng/ul#	13
34) 2-Methylnaphthalene	12.58	142	1581878	432.61	ng/ul	100
35) 1-Methylnaphthalene	12.78	142	802129	228.17	ng/ul#	97
41) 1,1'-Biphenyl	13.56	154	696049	134.44	ng/ul	99
43) 2-Nitroaniline	13.75	65	2238	1.59	ng/ul#	44
45) Dimethylphthalate	14.17	163	17085	3.01	ng/ul	99
48) Acenaphthylene	14.44	152	262308	38.23	ng/ul#	96
50) Acenaphthene	14.81	153	2441336	528.83	ng/ul#	89
54) Dibenzofuran	15.14	168	2415647	351.75	ng/ul#	81
55) 2,4-Dinitrotoluene	15.07	165	4886	2.84	ng/ul#	42
59) Fluorene	15.79	166	2278892	413.23	ng/ul#	97
61) 4-Nitroaniline	15.80	138	35072	28.49	ng/ul#	13
65) N-Nitrosodiphenylamine	15.97	169	12978	3.34	ng/ul#	1
70) Phenanthrene	17.62	178	809002	105.77	ng/ul	97
72) Anthracene	17.62	178	814133	104.95	ng/ul	95
75) Carbazole	17.88	167	508181	77.96	ng/ul	97
77) Fluoranthene	19.67	202	20586	2.30	ng/ul	99
80) Pyrene	19.91	202	3460343	324.87	ng/ul#	79
83) Benzo(a)anthracene	21.73	228	1155321	112.51	ng/ul	94

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020418.D
Acq On : 22 Dec 2015 20:52
Operator : UM/SJ
Sample : G4767-22
Misc : MED LEVEL RX
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44ME

Quant Time: Dec 23 04:17:09 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 04:11:36 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Chrysene	21.73	228	1147766	118.68	ng/ul	97
88) Benzo(b)fluoranthene	23.97	252	599048	58.06	ng/ul	95
89) Benzo(k)fluoranthene	23.97	252	599048	60.50	ng/ul	98
91) Benzo(a)pyrene	24.86	252	343059	35.07	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.73	276	106224	9.12	ng/ul	93
93) Dibenzo(a,h)anthracene	28.75	278	12269	1.27	ng/ul	98
94) Benzo(g,h,i)perylene	29.90	276	79247	8.30	ng/ul	95

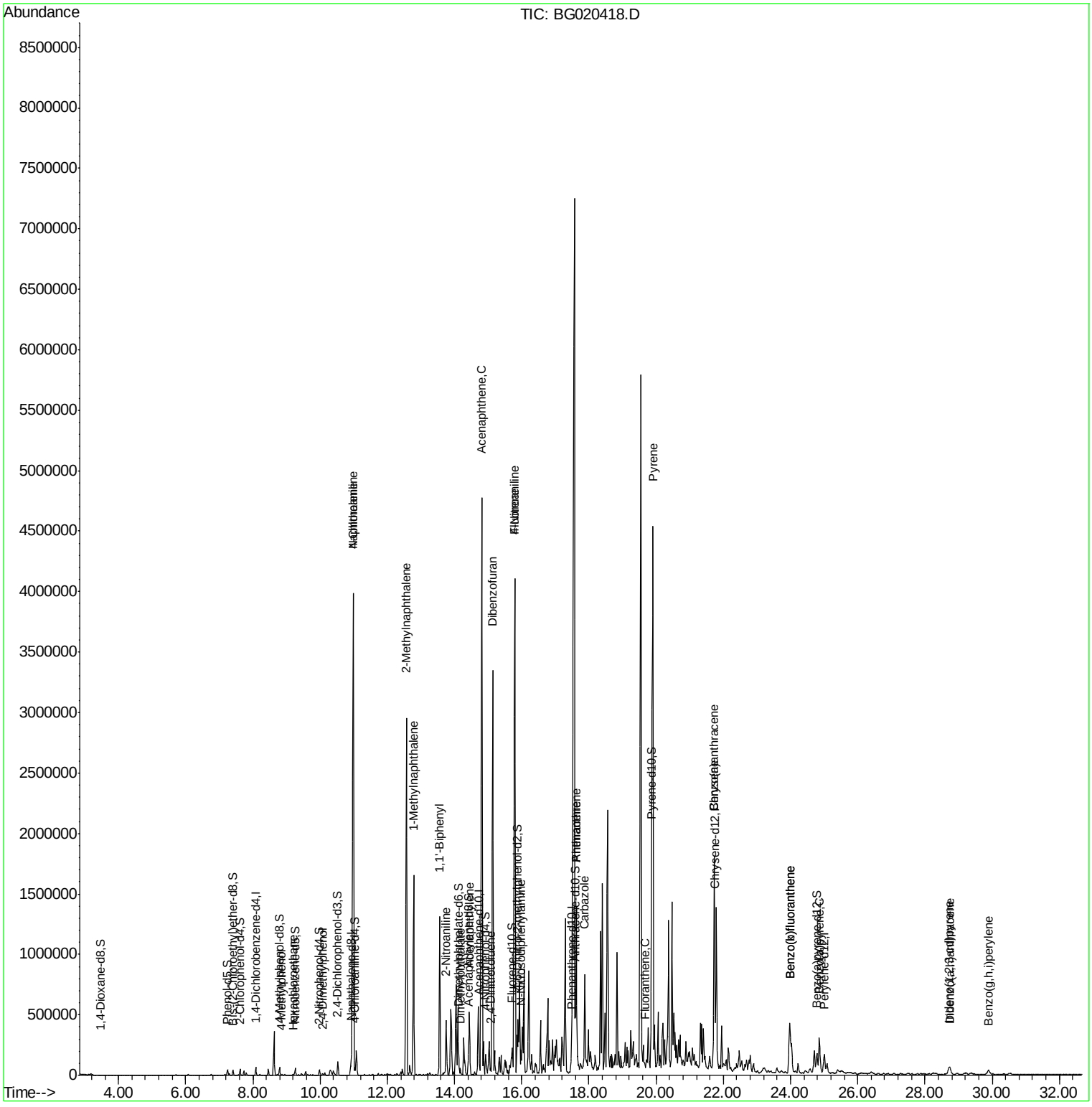
(#) = qualifier out of range (m) = manual integration (+) = signals summed

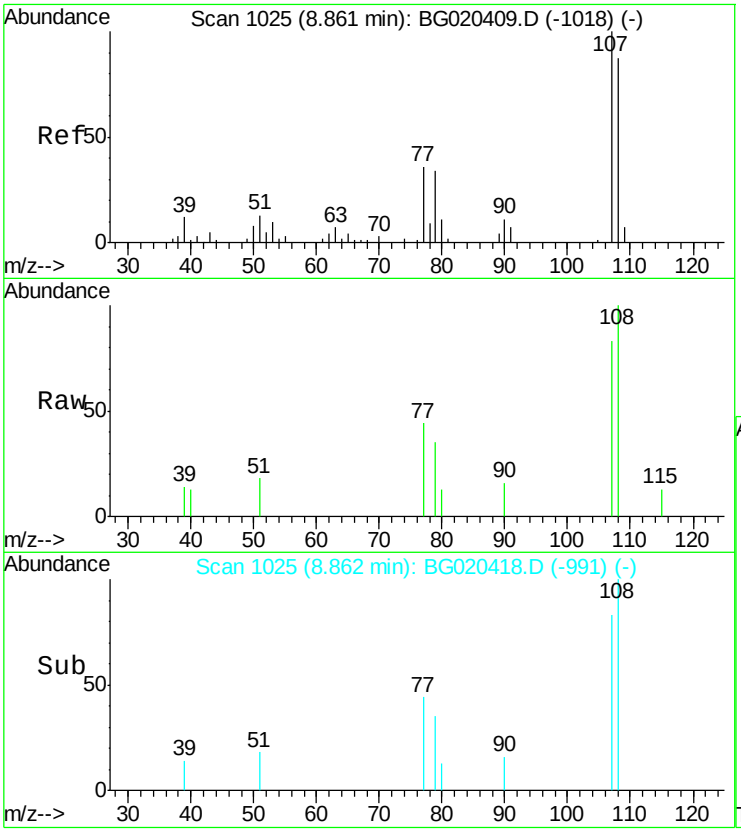
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020418.D
Acq On : 22 Dec 2015 20:52
Operator : UM/SJ
Sample : G4767-22
Misc : MED LEVEL RX
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Quant Time: Dec 23 04:17:09 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 04:11:36 2015
Response via : Initial Calibration



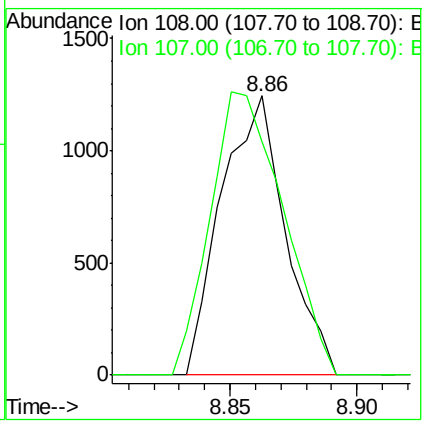


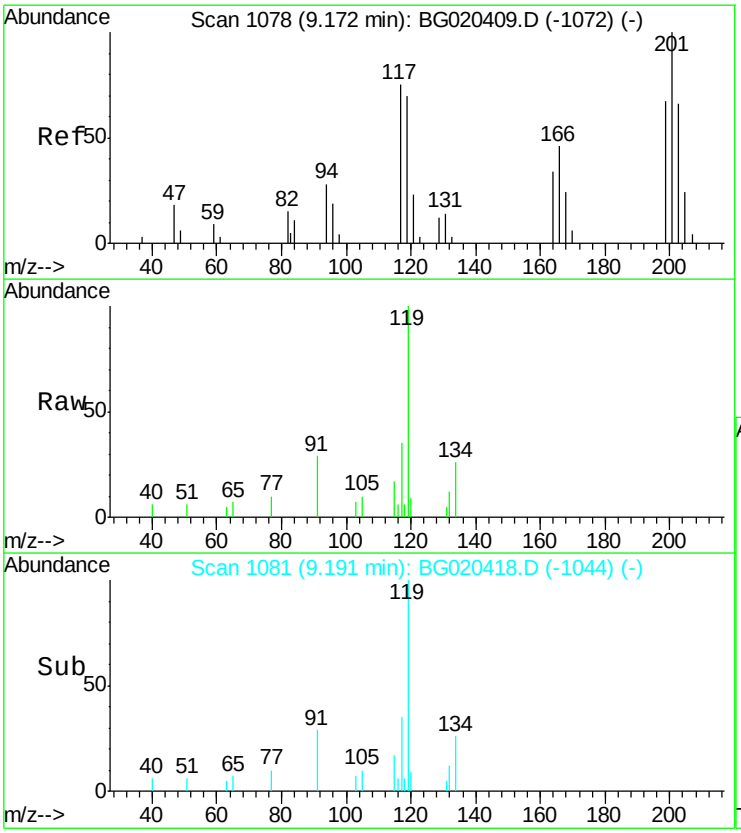
#16
4-Methylphenol
Concen: 1.34 ng/ul
RT: 8.86 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion:108 Resp: 2195

Ion	Ratio	Lower	Upper
108	100		
107	83.4	88.9	133.3#

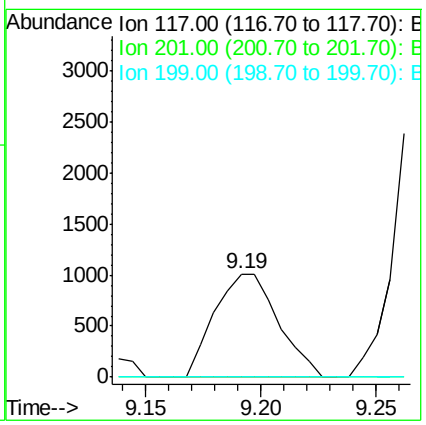


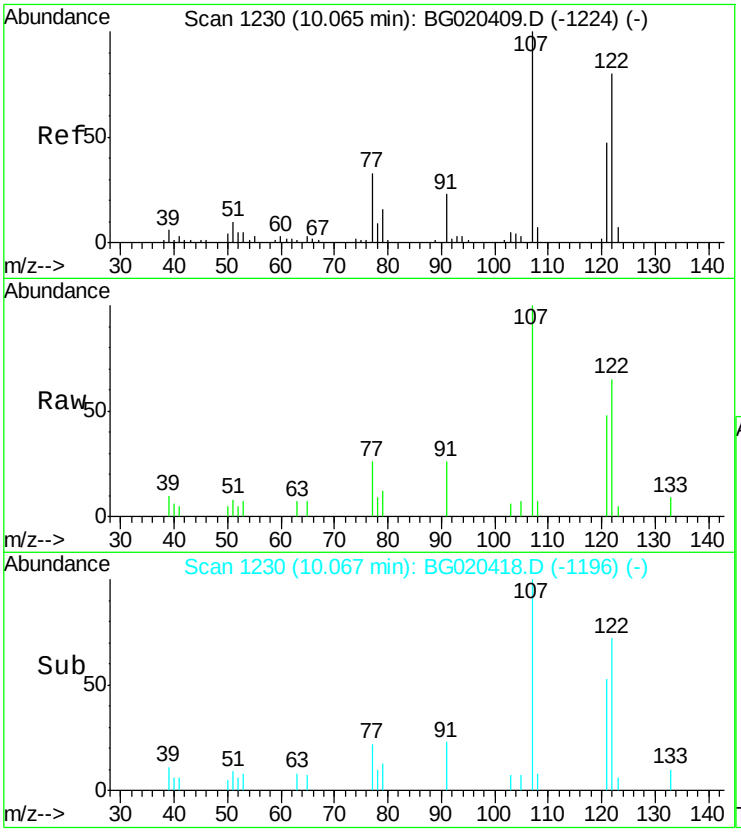


#17
Hexachloroethane
Concen: 3.34 ng/ul
RT: 9.19 min Scan# 1081
Delta R.T. 0.02 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:117 Resp: 1933

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



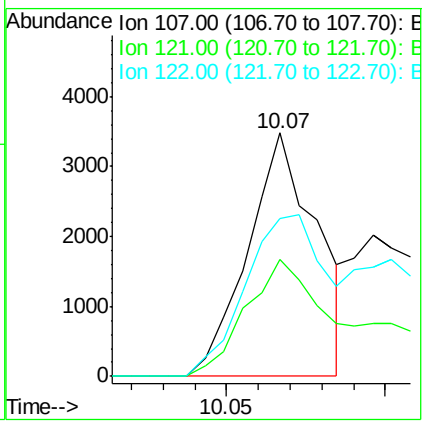


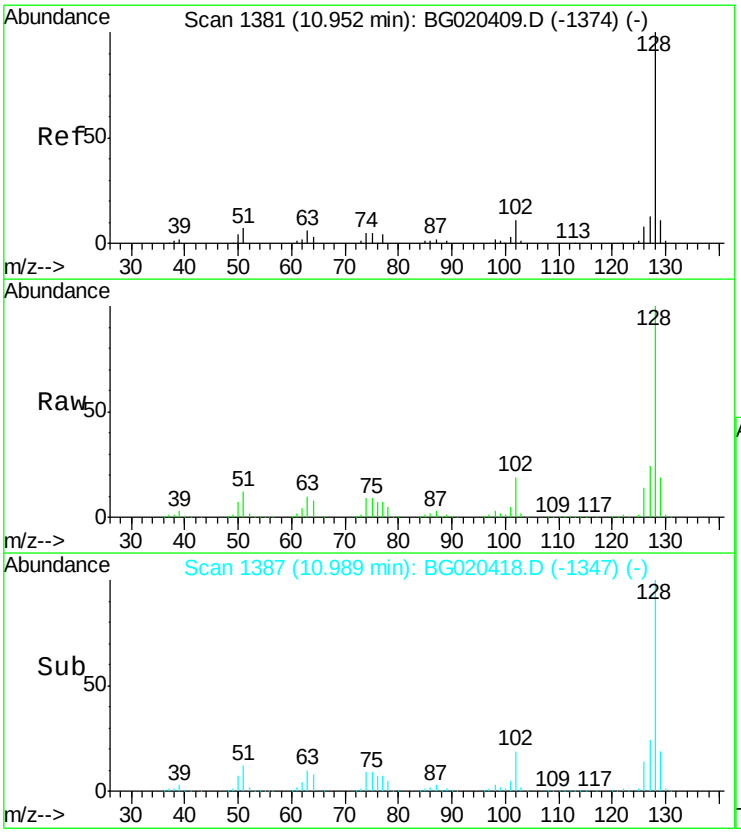
#24
2,4-Dimethylphenol
Concen: 2.72 ng/ul
RT: 10.07 min Scan# 1230
Delta R.T. 0.00 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion:107 Resp: 5265

Ion	Ratio	Lower	Upper
107	100		
121	47.9	39.0	58.4
122	64.9	62.1	93.1

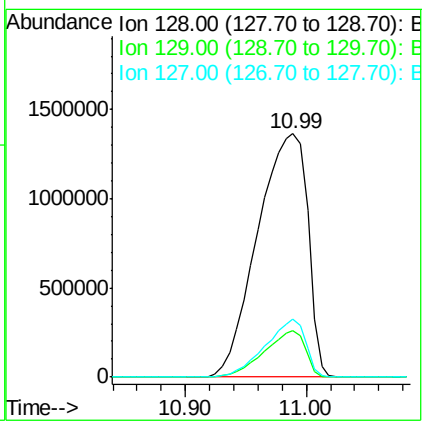


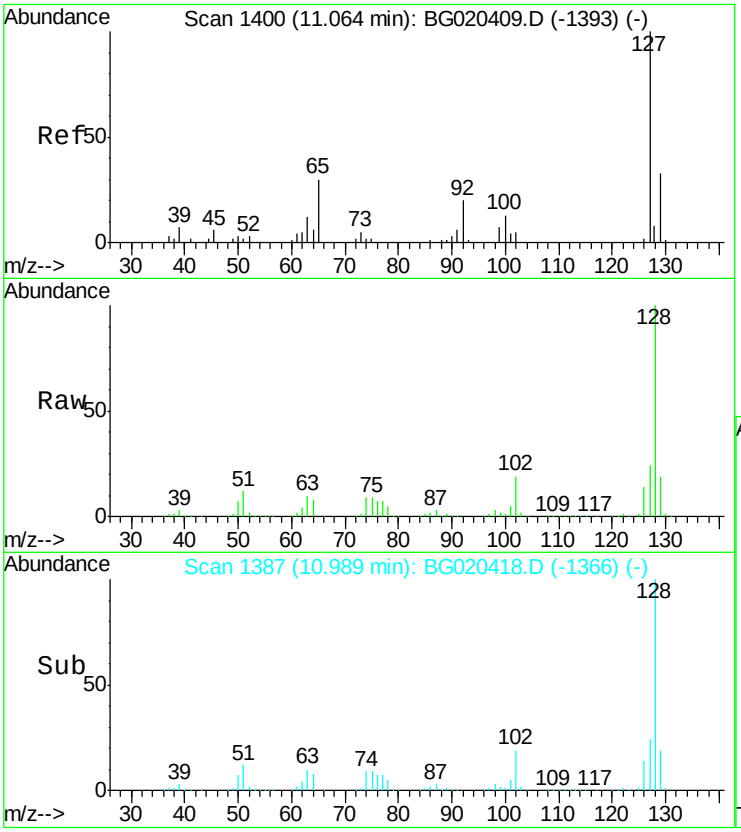


#28
Naphthalene
Concen: 819.40 ng/ul
RT: 10.99 min Scan# 1387
Delta R.T. 0.04 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:128 Resp: 3922615

Ion	Ratio	Lower	Upper
128	100		
129	19.2	8.6	12.8#
127	23.9	10.1	15.1#



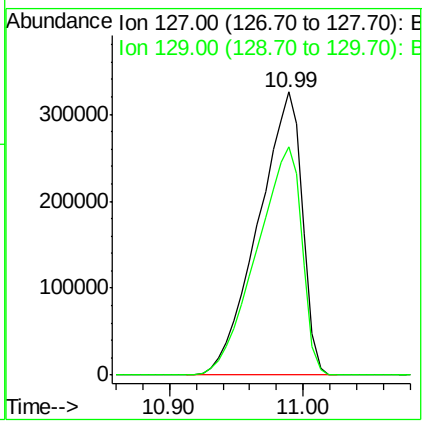


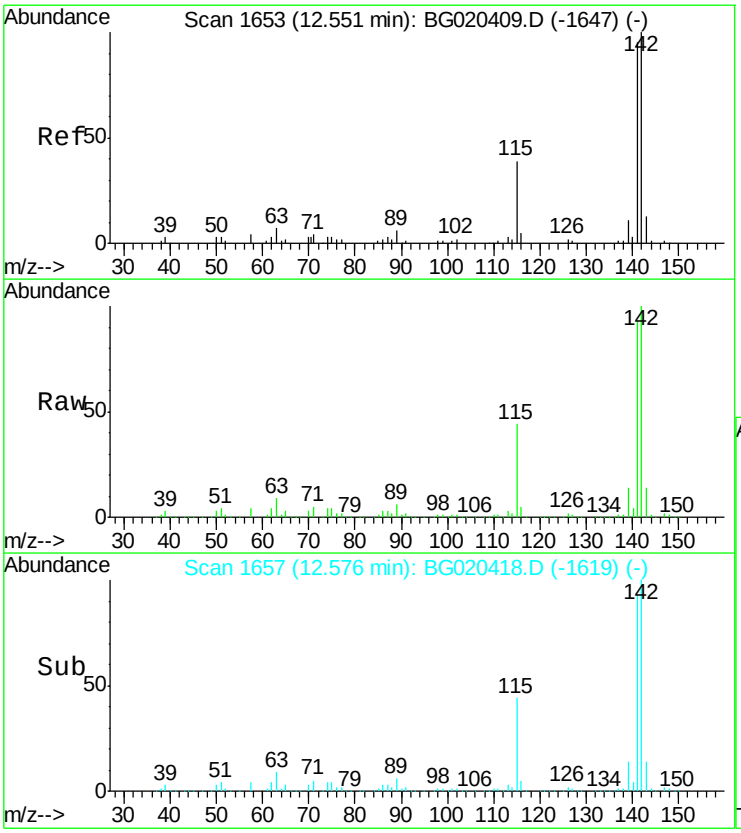
#30
4-Chloroaniline
Concen: 405.57 ng/ul
RT: 10.99 min Scan# 1387
Delta R.T. -0.07 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion:127 Resp: 749054

Ion	Ratio	Lower	Upper
127	100		
129	80.6	25.7	38.5#

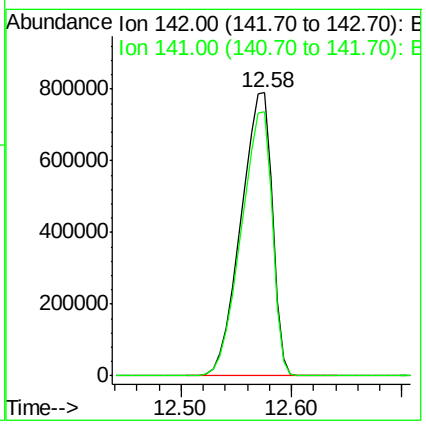


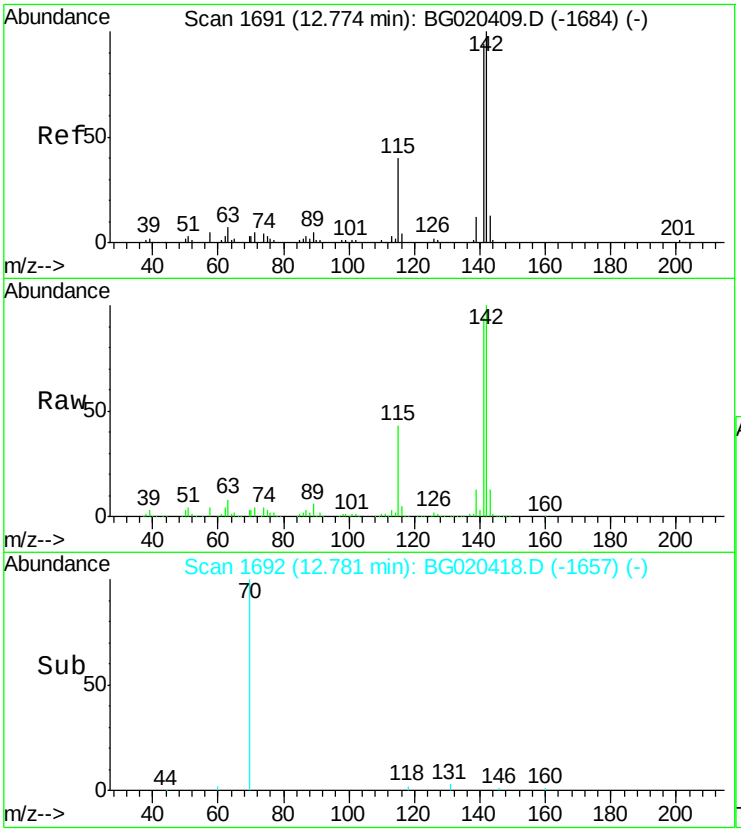


#34
2-Methylnaphthalene
Concen: 432.61 ng/ul
RT: 12.58 min Scan# 1657
Delta R.T. 0.03 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:142 Resp: 1581878

Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.9	112.3



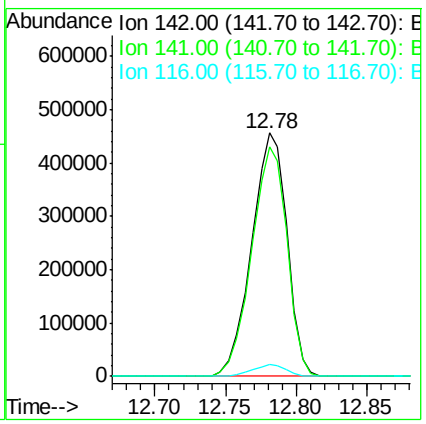


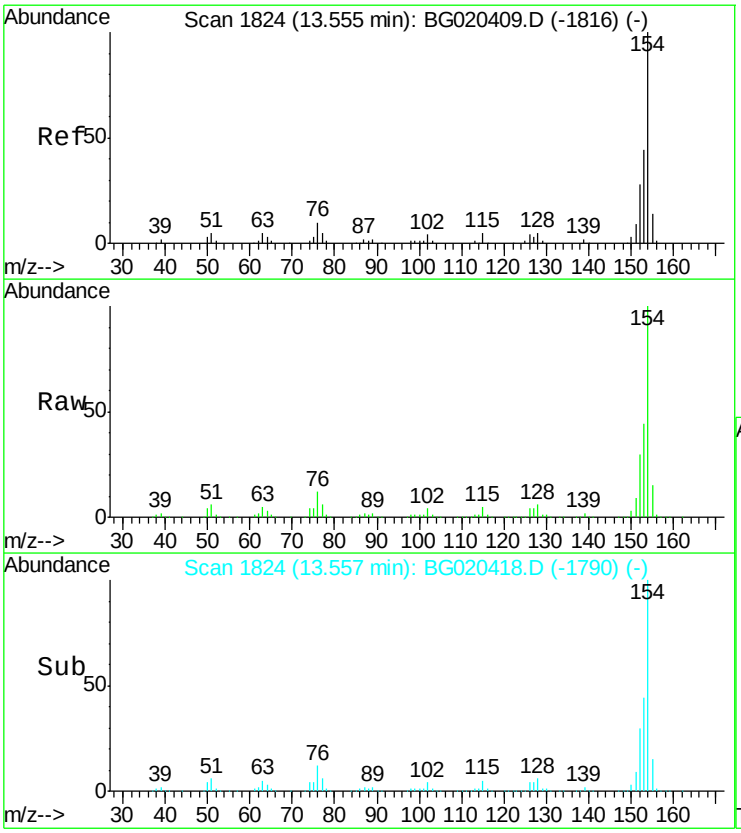
#35
1-Methylnaphthalene
Concen: 228.17 ng/ul
RT: 12.78 min Scan# 1692
Delta R.T. 0.01 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion:142 Resp: 802129

Ion	Ratio	Lower	Upper
142	100		
141	94.3	73.0	109.6
116	4.8	3.0	4.6#

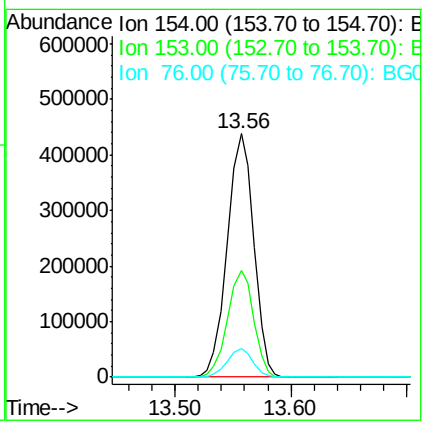


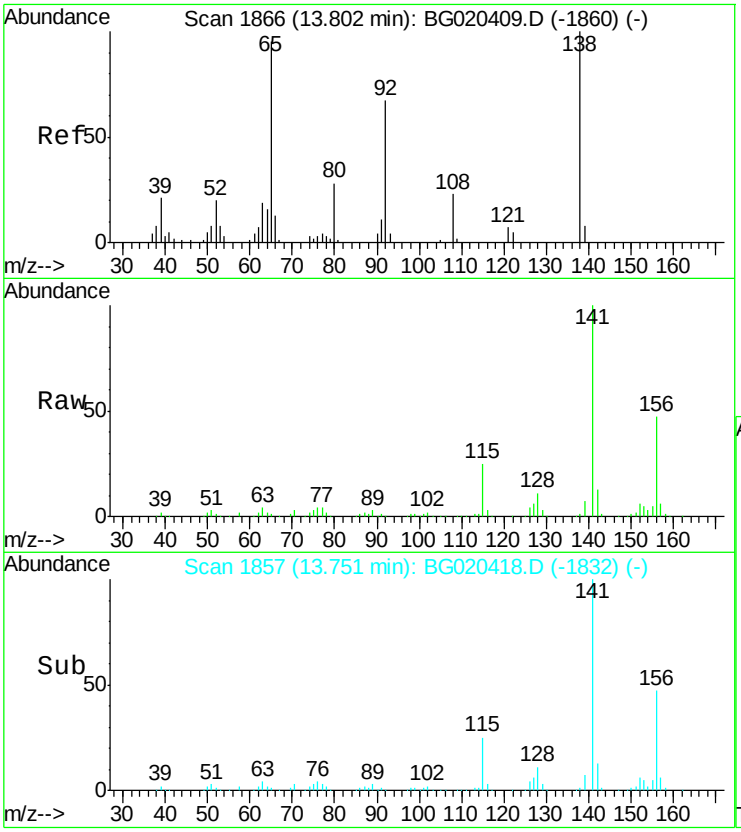


#41
1,1'-Biphenyl
Concen: 134.44 ng/ul
RT: 13.56 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:154 Resp: 696049

Ion	Ratio	Lower	Upper
154	100		
153	44.0	35.5	53.3
76	11.6	10.4	15.6



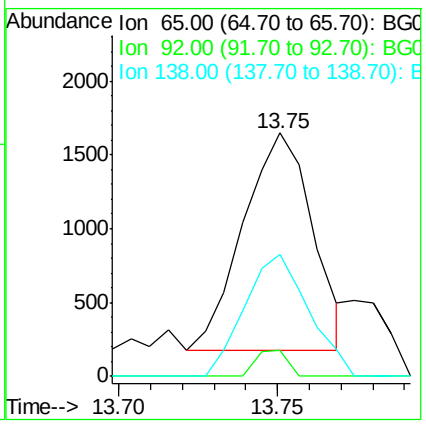


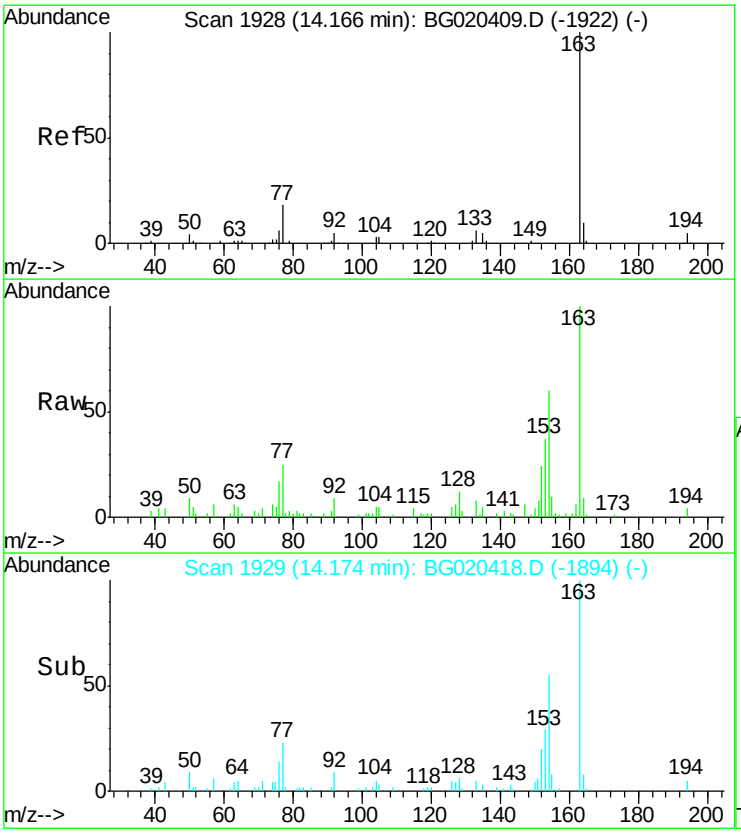
#43
2-Nitroaniline
Concen: 1.59 ng/ul
RT: 13.75 min Scan# 1857
Delta R.T. -0.05 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion: 65 Resp: 2238

Ion	Ratio	Lower	Upper
65	100		
92	10.7	53.1	79.7#
138	50.3	76.6	114.8#

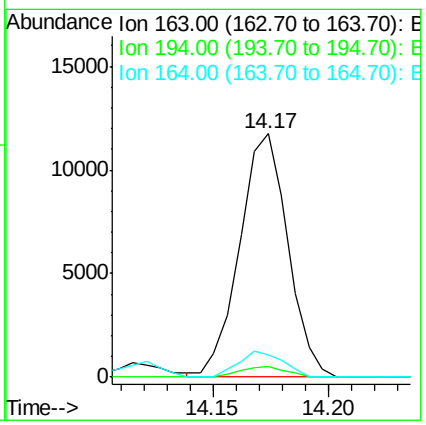


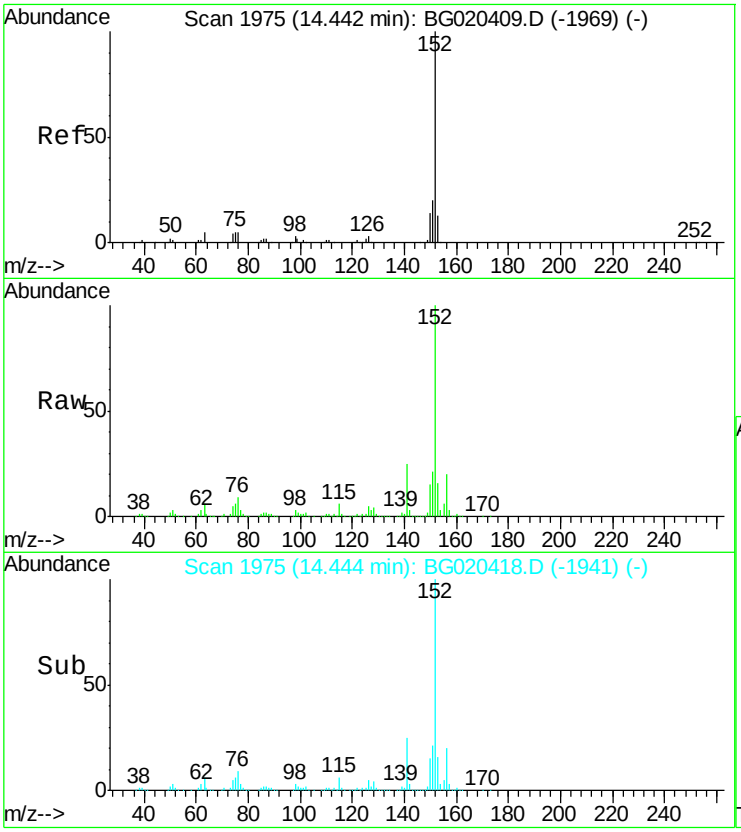


#45
Dimethylphthalate
Concen: 3.01 ng/ul
RT: 14.17 min Scan# 1929
Delta R.T. 0.01 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:163 Resp: 17085

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.2	7.7	11.5



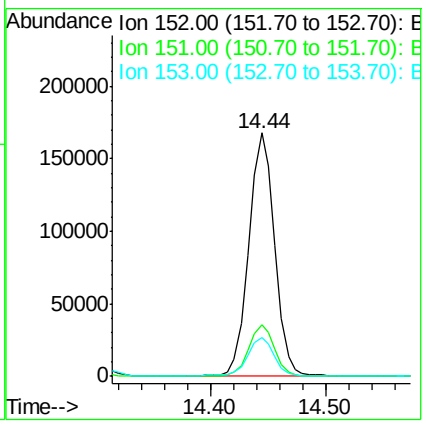


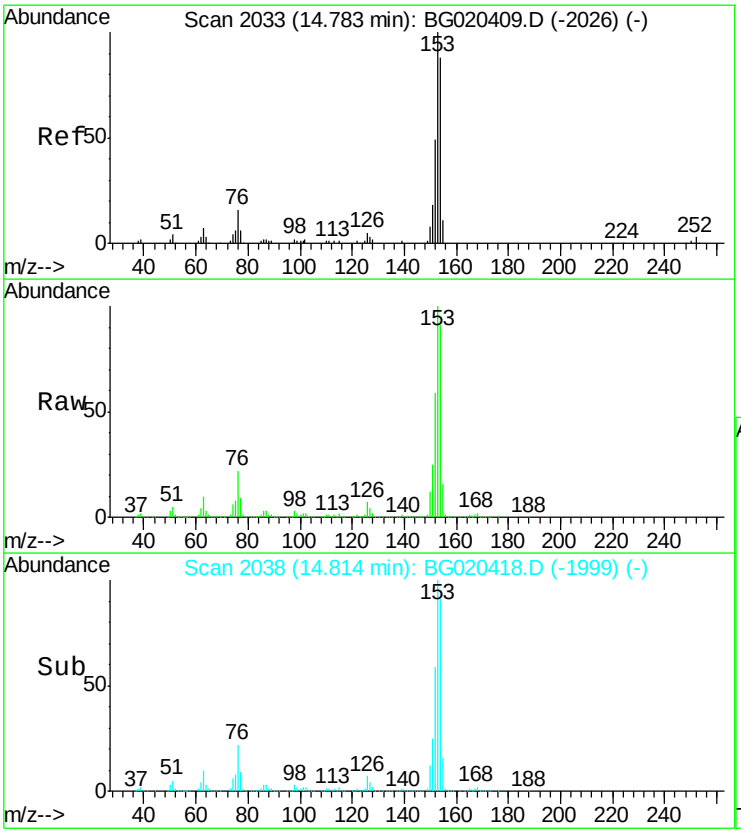
#48
Acenaphthylene
Concen: 38.23 ng/ul
RT: 14.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion:152 Resp: 262308

Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.4	24.6
153	15.9	10.4	15.6#

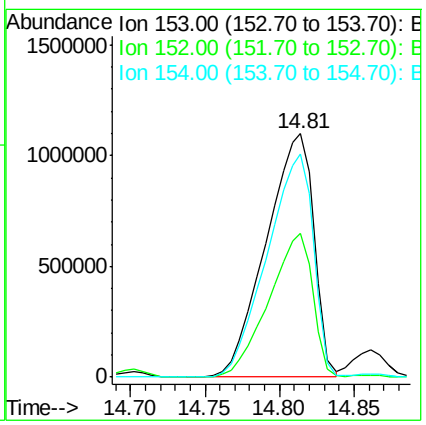


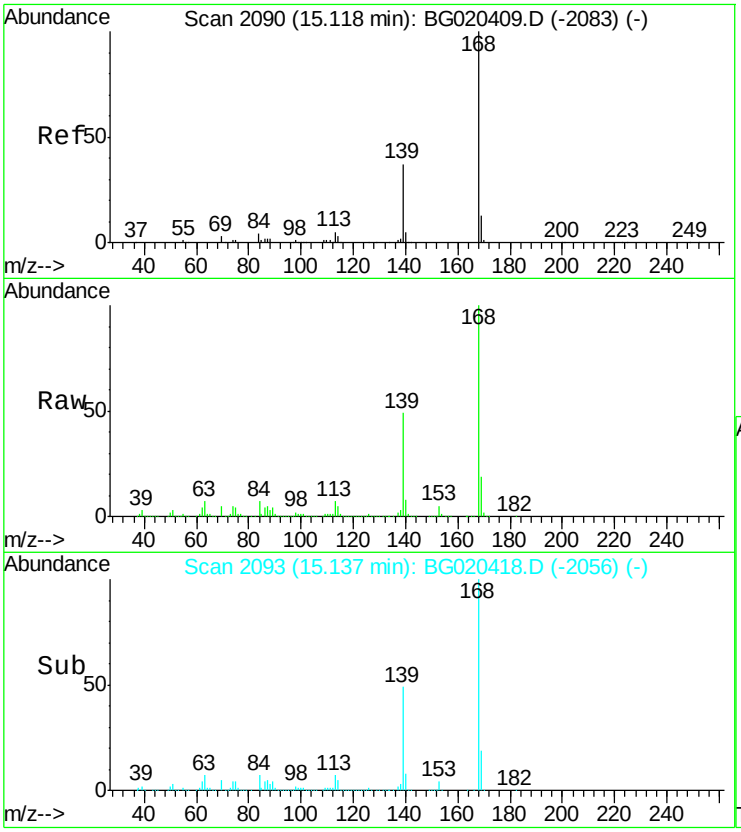


#50
Acenaphthene
Concen: 528.83 ng/ul
RT: 14.81 min Scan# 2038
Delta R.T. 0.03 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:153 Resp: 2441336

Ion	Ratio	Lower	Upper
153	100		
152	59.2	37.6	56.4#
154	91.4	67.9	101.9



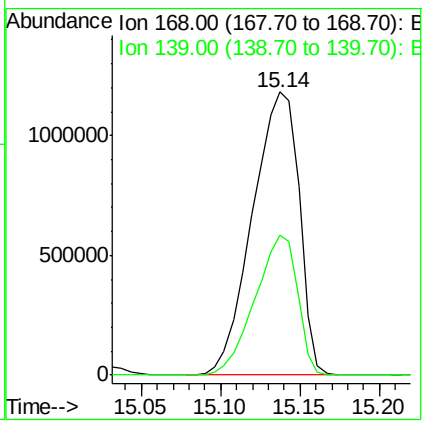


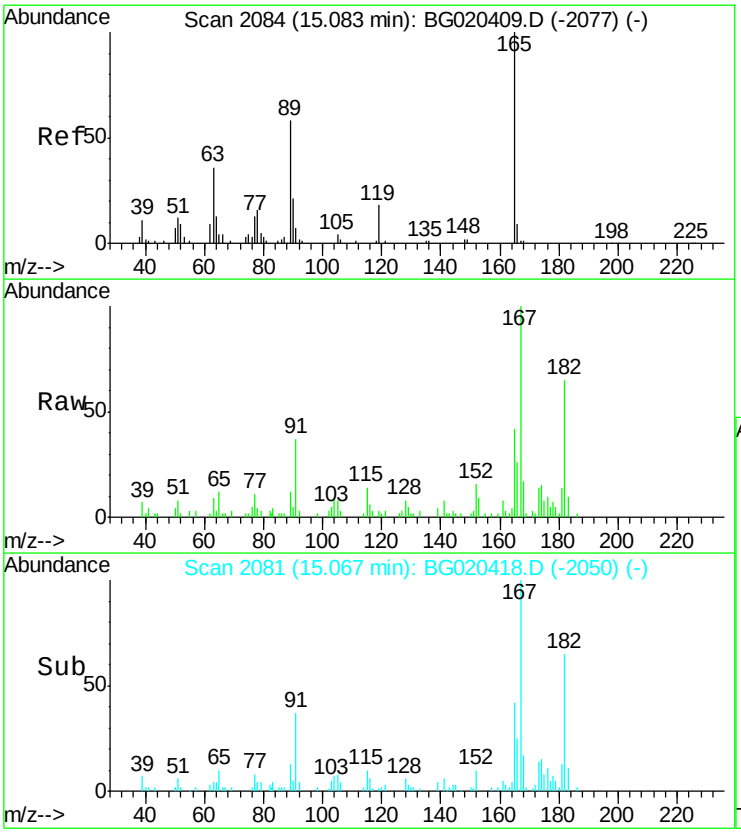
#54
Dibenzofuran
Concen: 351.75 ng/ul
RT: 15.14 min Scan# 2093
Delta R.T. 0.02 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion:168 Resp: 2415647

Ion	Ratio	Lower	Upper
168	100		
139	49.3	30.5	45.7#

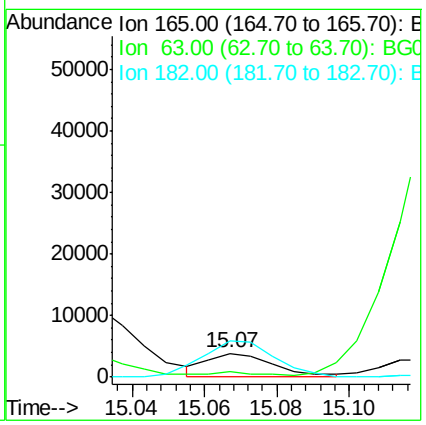


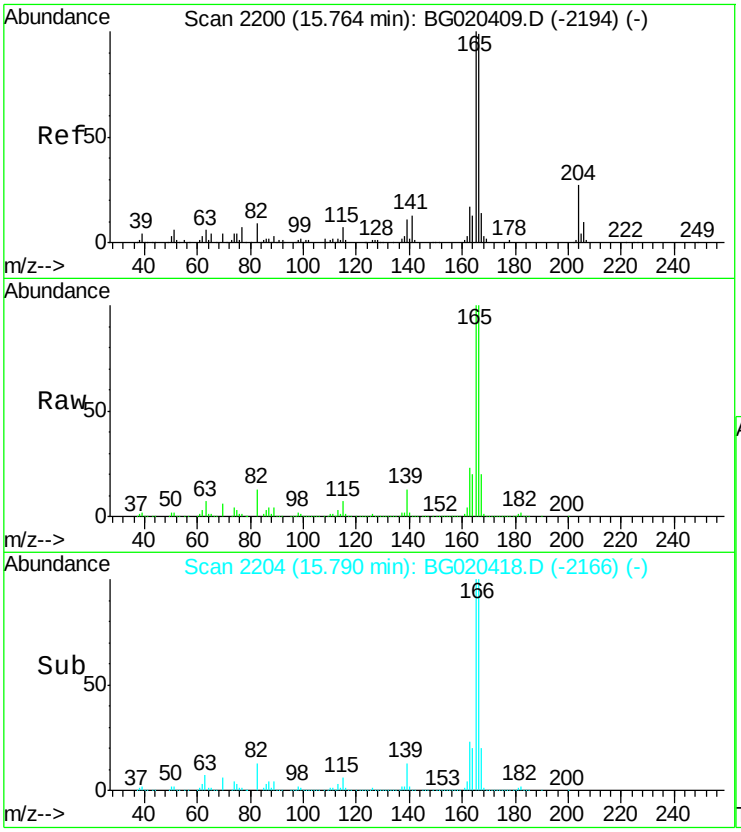


#55
2,4-Dinitrotoluene
Concen: 2.84 ng/ul
RT: 15.07 min Scan# 2081
Delta R.T. -0.02 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:165 Resp: 4886

Ion	Ratio	Lower	Upper
165	100		
63	22.2	35.8	53.8#
182	155.1	2.2	3.2#



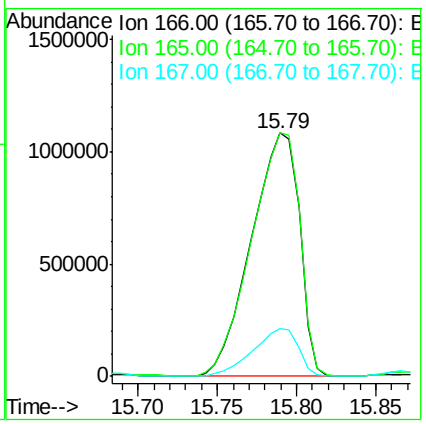


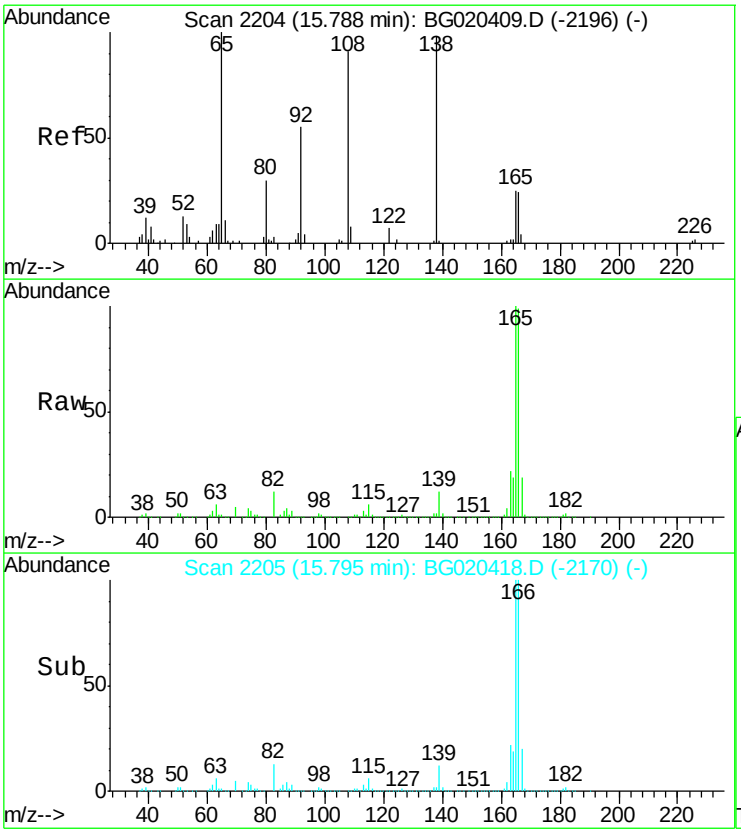
#59
Fluorene
Concen: 413.23 ng/ul
RT: 15.79 min Scan# 2204
Delta R.T. 0.03 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion:166 Resp: 2278892

Ion	Ratio	Lower	Upper
166	100		
165	100.2	81.4	122.0
167	19.8	11.2	16.8#

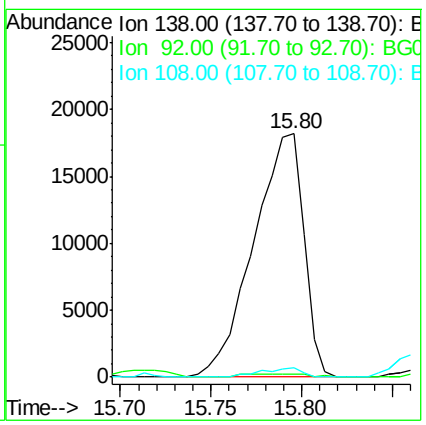


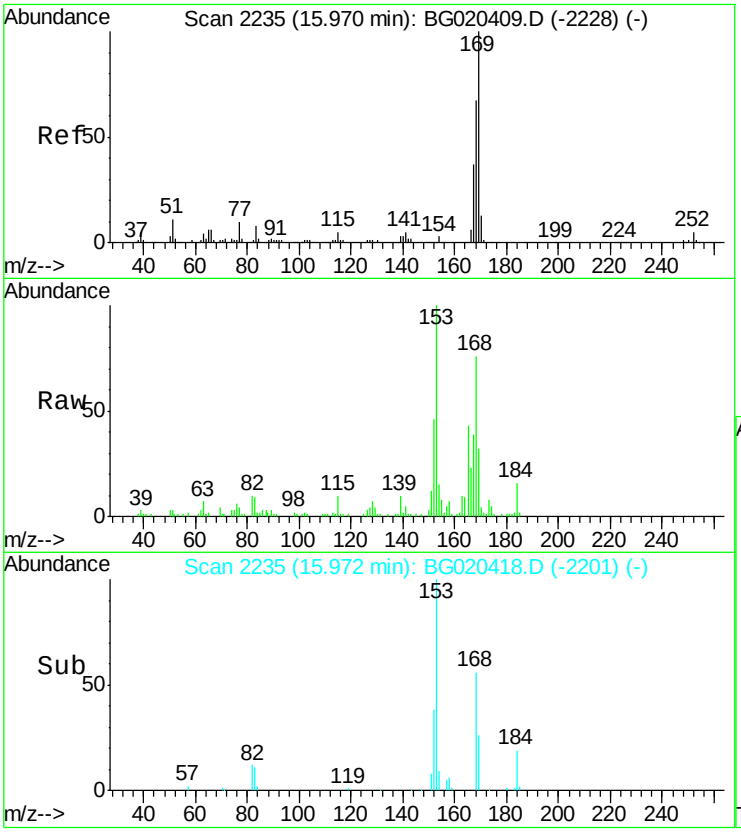


#61
4-Nitroaniline
Concen: 28.49 ng/ul
RT: 15.80 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:138 Resp: 35072

Ion	Ratio	Lower	Upper
138	100		
92	1.4	45.2	67.8#
108	3.7	75.4	113.0#



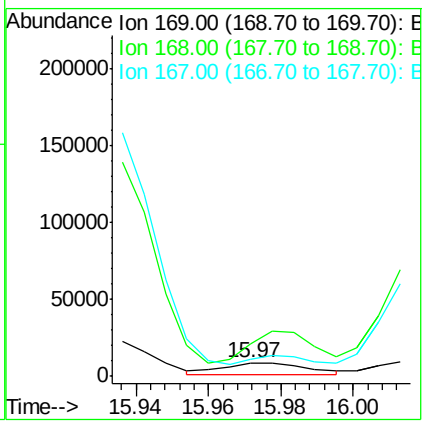


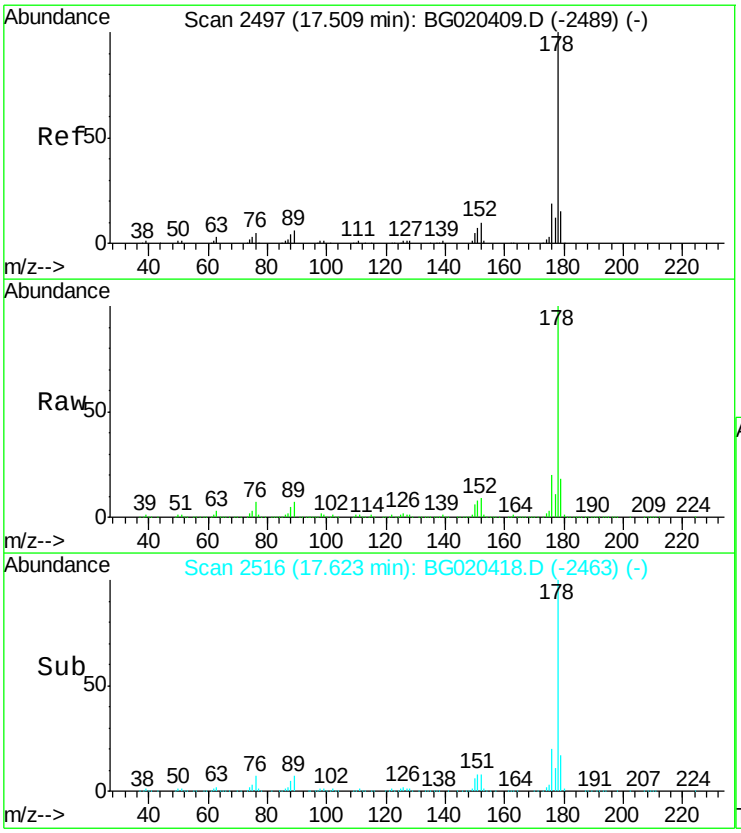
#65
N-Nitrosodiphenylamine
Concen: 3.34 ng/ul
RT: 15.97 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion:169 Resp: 12978

Ion	Ratio	Lower	Upper
169	100		
168	241.1	54.3	81.5#
167	122.3	31.8	47.8#

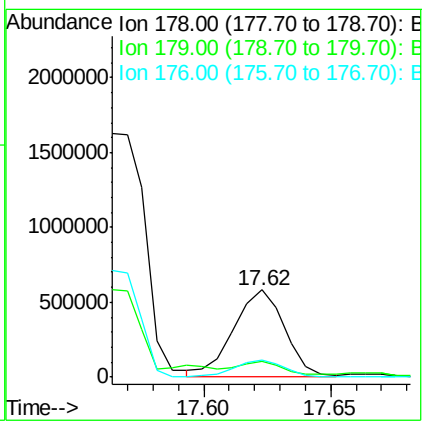


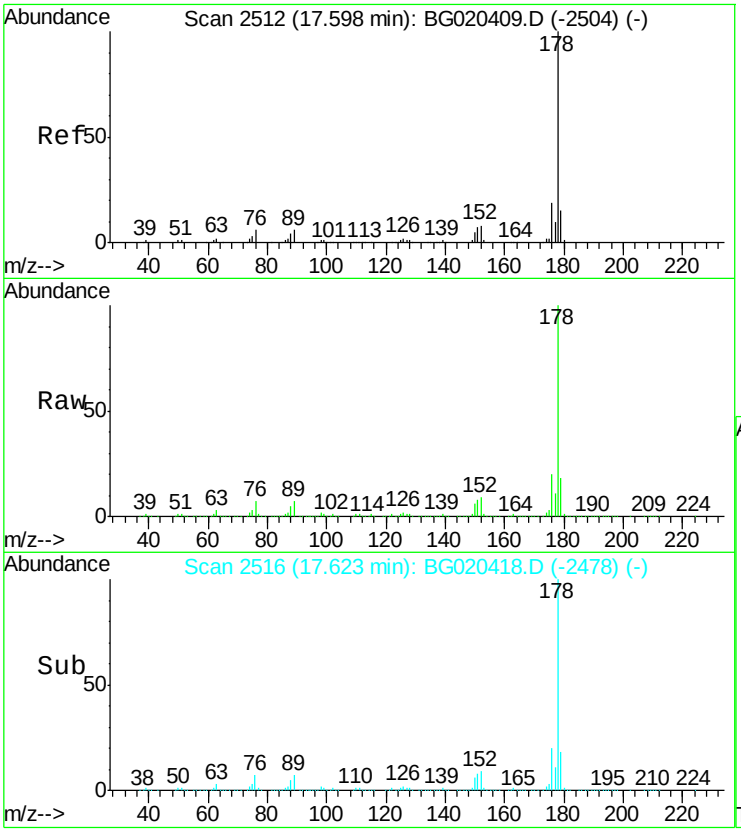


#70
Phenanthrene
Concen: 105.77 ng/ul
RT: 17.62 min Scan# 2516
Delta R.T. 0.11 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:178 Resp: 809002

Ion	Ratio	Lower	Upper
178	100		
179	17.7	12.9	19.3
176	20.1	15.3	22.9



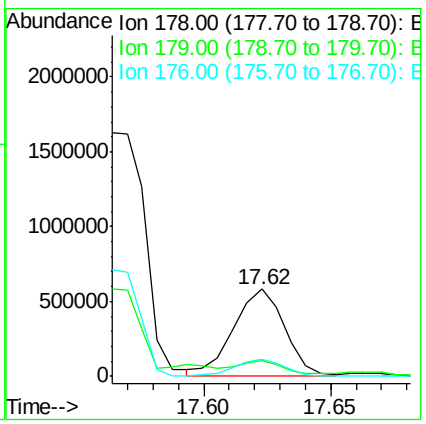


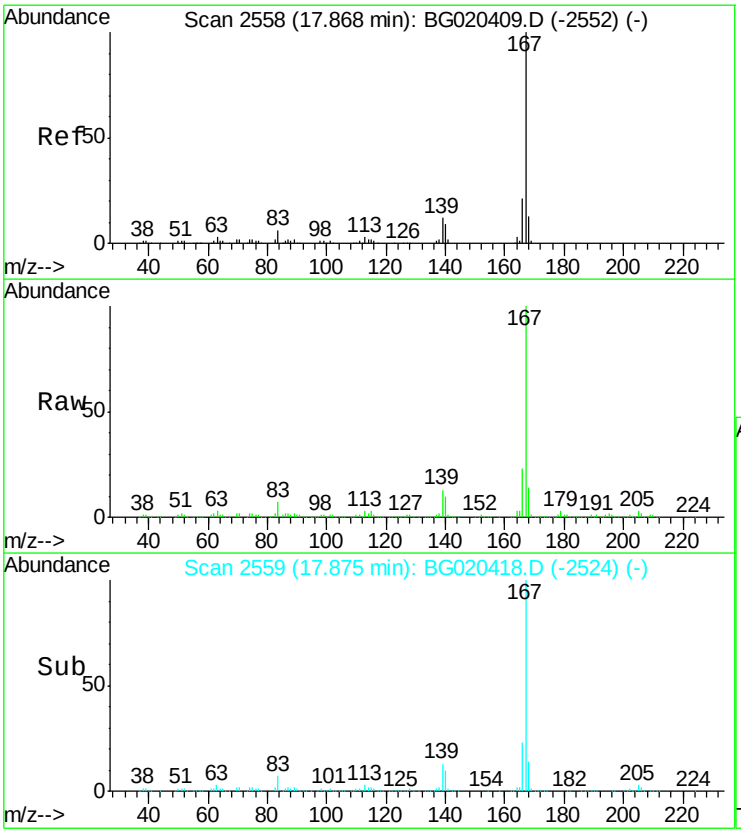
#72
Anthracene
Concen: 104.95 ng/ul
RT: 17.62 min Scan# 2516
Delta R.T. 0.03 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion:178 Resp: 814133

Ion	Ratio	Lower	Upper
178	100		
179	17.7	12.3	18.5
176	20.1	14.3	21.5

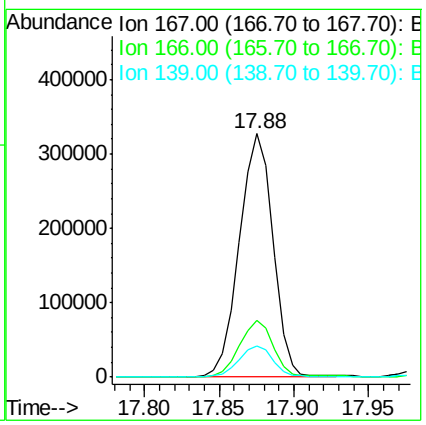


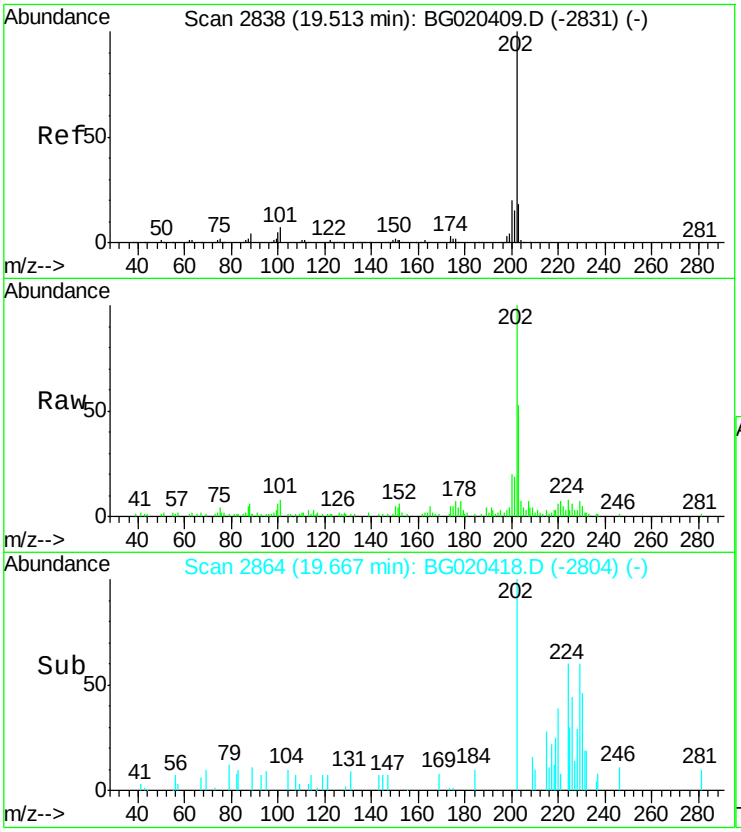


#75
Carbazole
Concen: 77.96 ng/ul
RT: 17.88 min Scan# 2559
Delta R.T. 0.01 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:167 Resp: 508181

Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.0	25.6
139	13.0	10.1	15.1



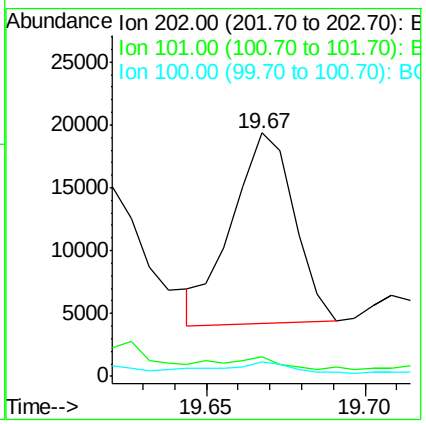


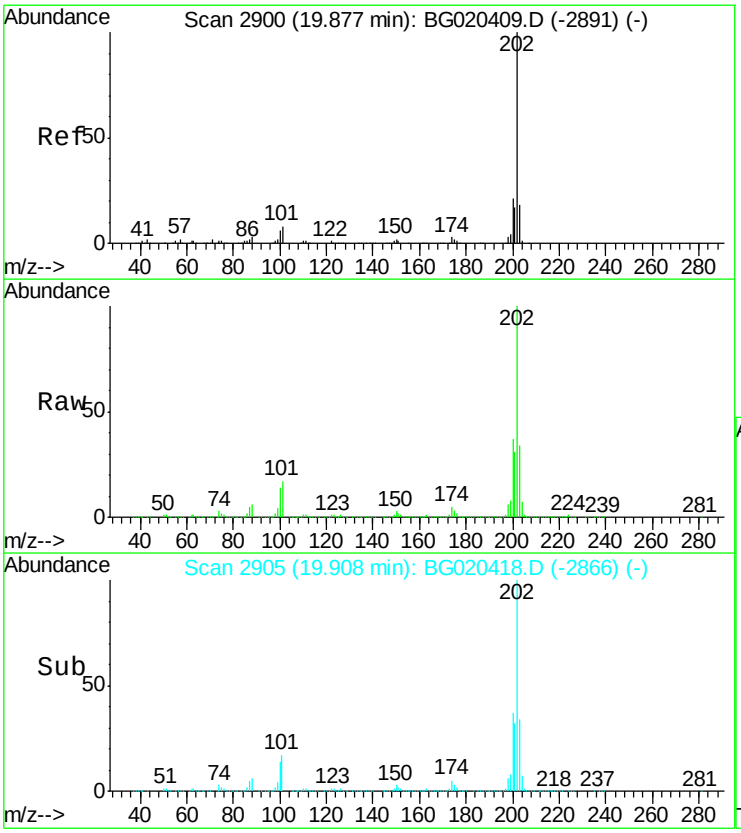
#77
Fluoranthene
Concen: 2.30 ng/ul
RT: 19.67 min Scan# 2864
Delta R.T. 0.15 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion:202 Resp: 20586

Ion	Ratio	Lower	Upper
202	100		
101	7.9	6.2	9.4
100	5.7	5.1	7.7

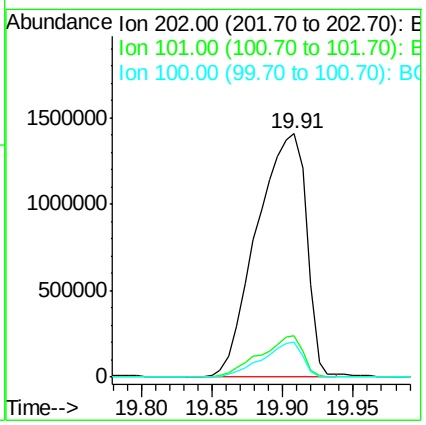


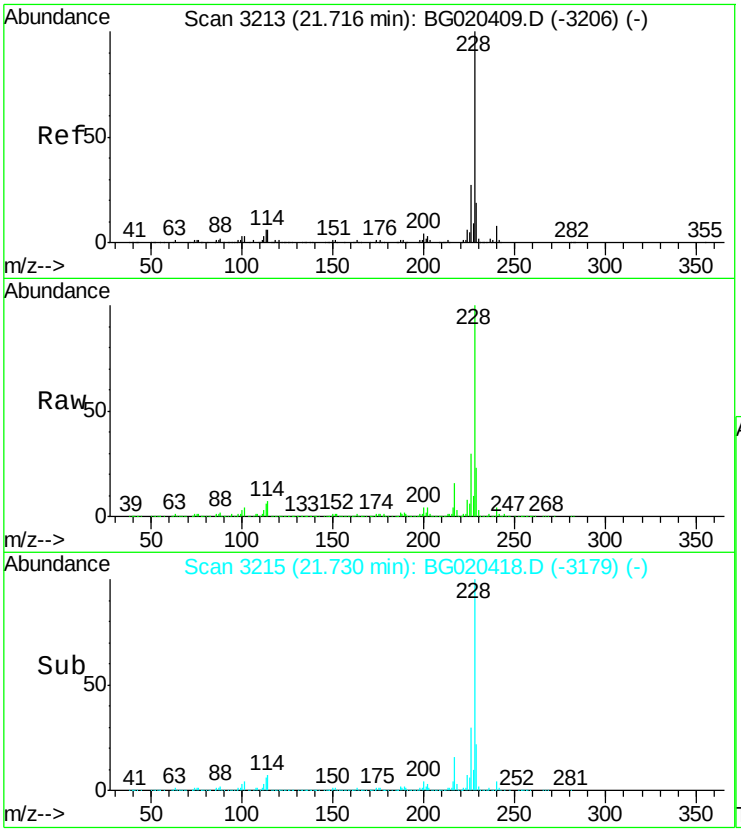


#80
Pyrene
Concen: 324.87 ng/ul
RT: 19.91 min Scan# 2905
Delta R.T. 0.03 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:202 Resp: 3460343

Ion	Ratio	Lower	Upper
202	100		
101	17.1	7.0	10.4#
100	14.3	6.4	9.6#



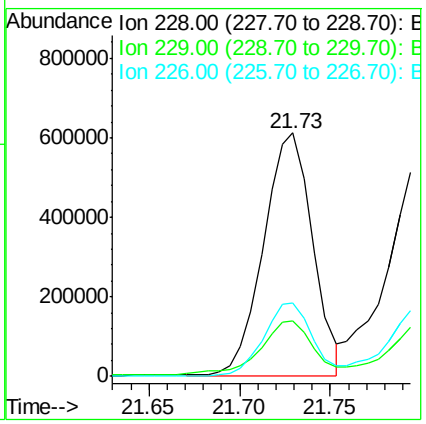


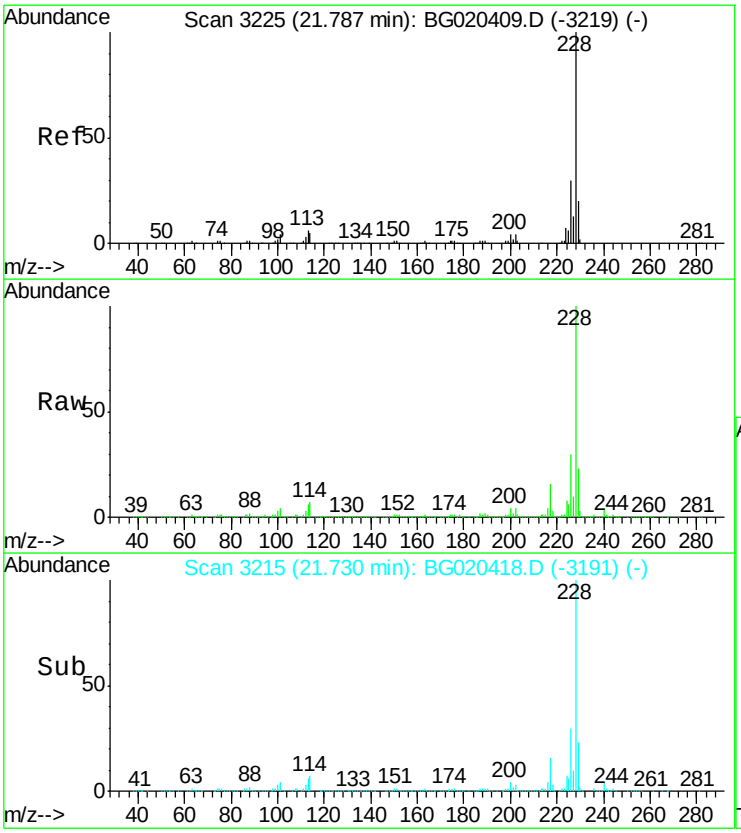
#83
Benzo(a)anthracene
Concen: 112.51 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.01 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion:228 Resp: 1155321

Ion	Ratio	Lower	Upper
228	100		
229	22.9	15.8	23.8
226	30.3	21.8	32.6

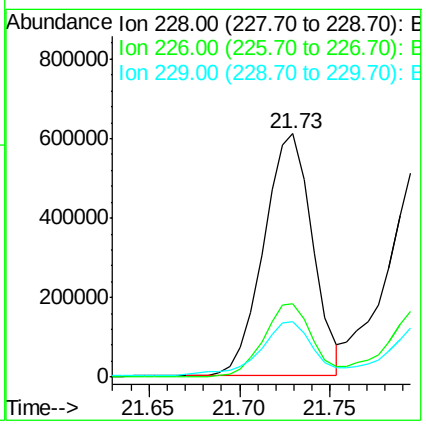


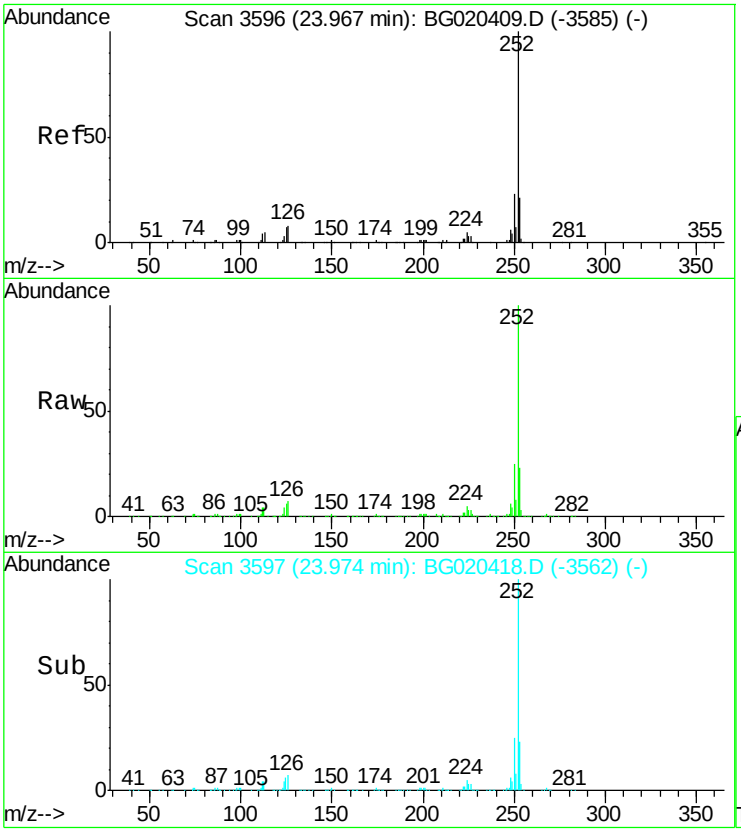


#85
Chrysene
Concen: 118.68 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. -0.06 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:228 Resp: 1147766

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.9	35.9
229	22.9	15.6	23.4



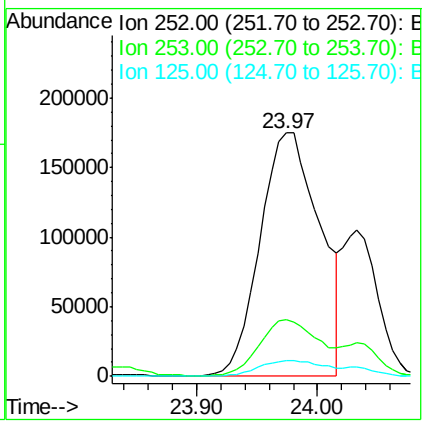


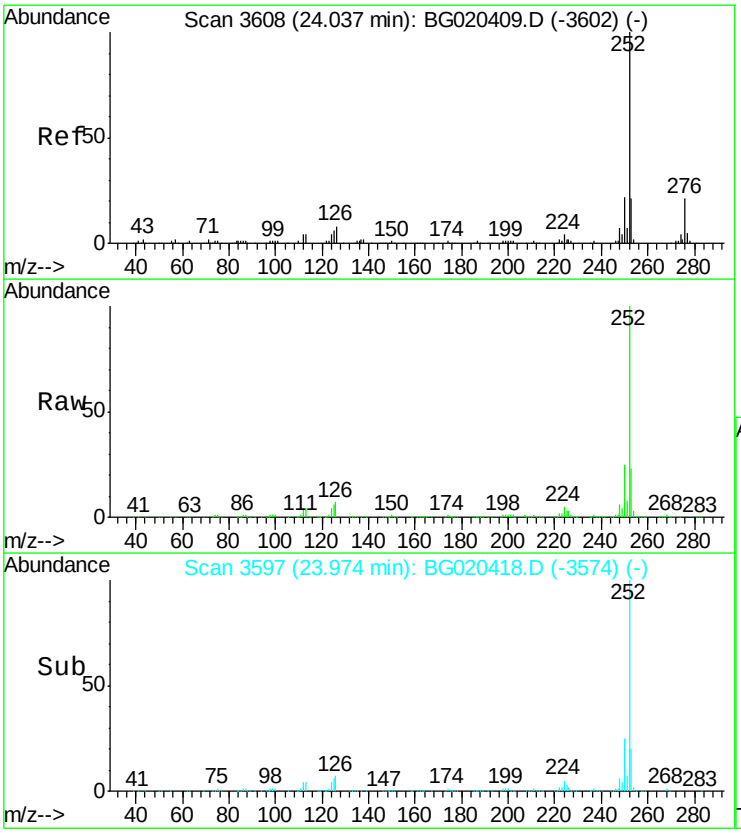
#88
Benzo(b)fluoranthene
Concen: 58.06 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. 0.01 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion:252 Resp: 599048

Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.7	25.1
125	6.3	6.2	9.2

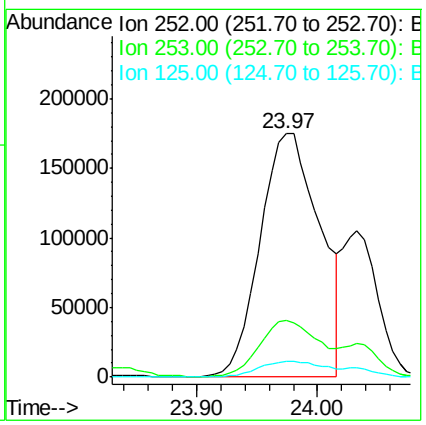


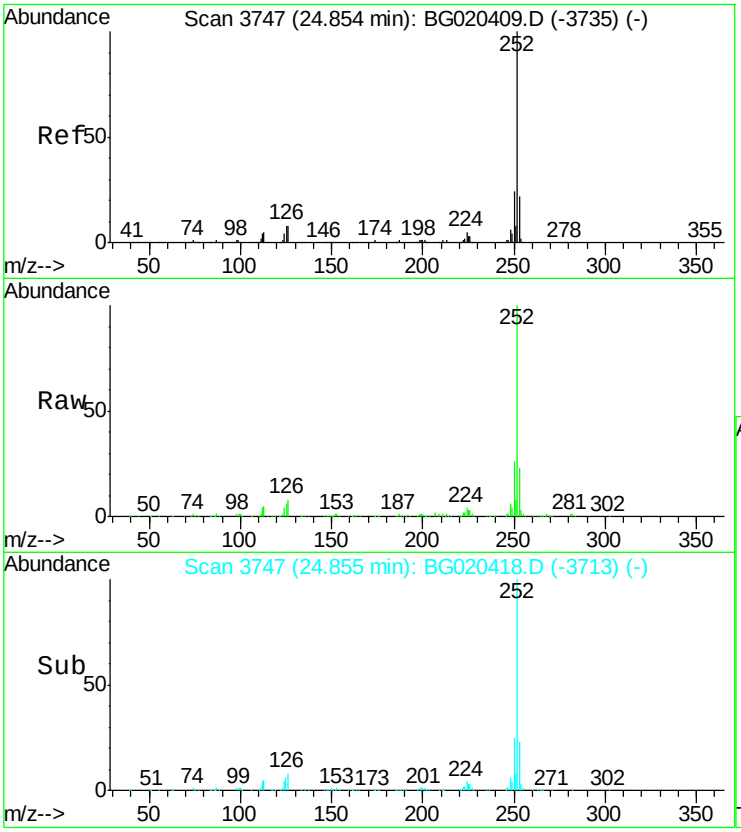


#89
Benzo(k)fluoranthene
Concen: 60.50 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. -0.06 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:252 Resp: 599048

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	6.3	5.8	8.6



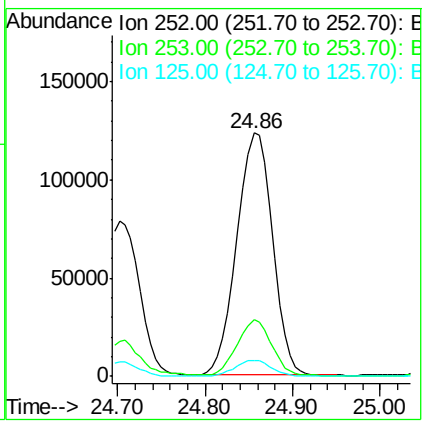


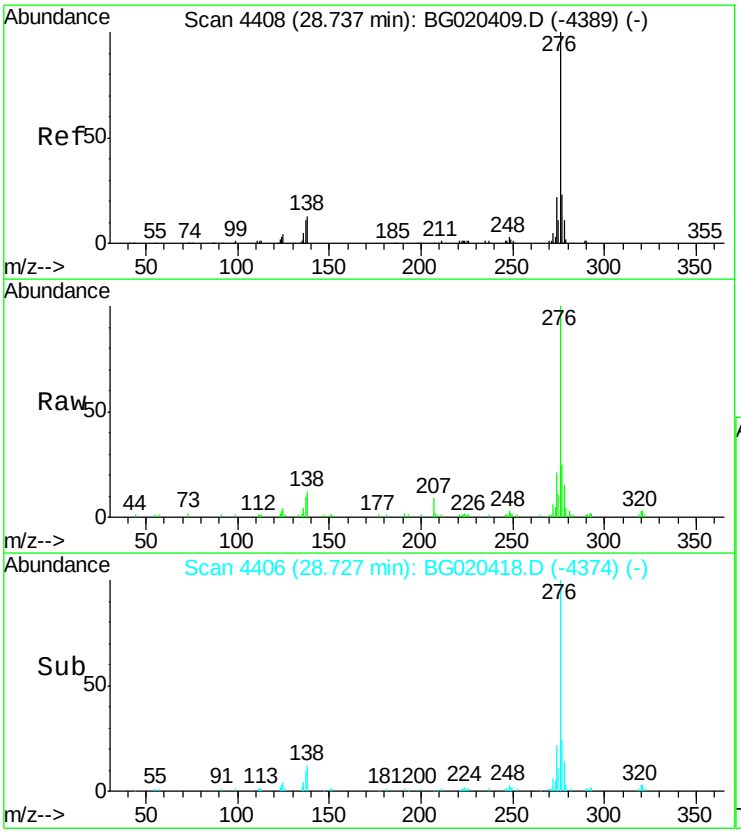
#91
Benzo(a)pyrene
Concen: 35.07 ng/ul
RT: 24.86 min Scan# 3747
Delta R.T. 0.00 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion:252 Resp: 343059

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	6.5	6.2	9.4

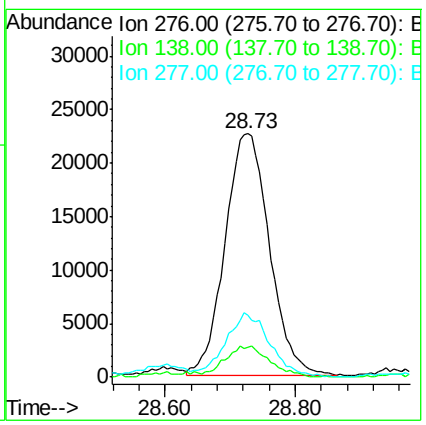


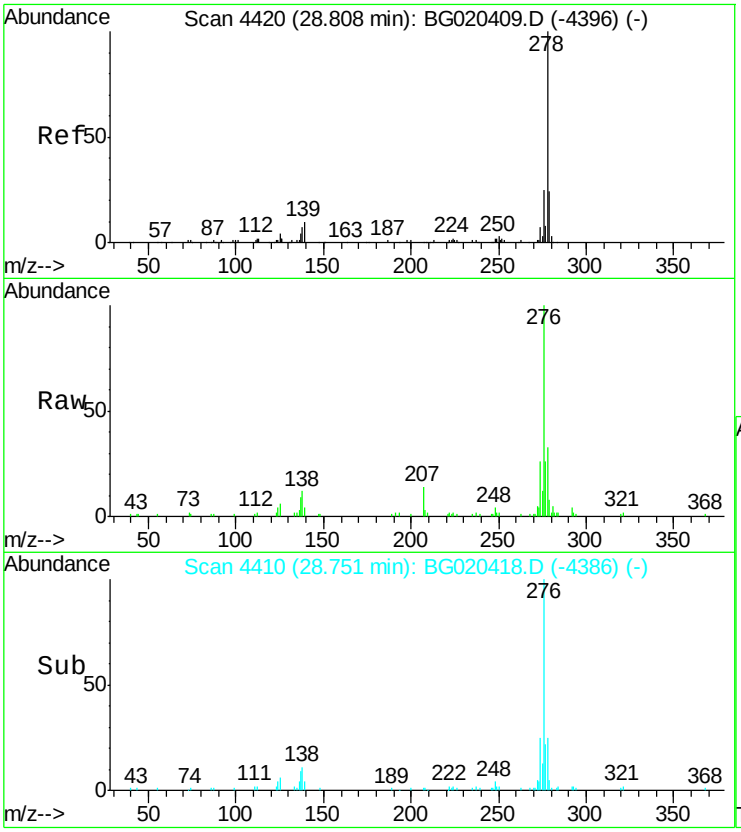


#92
Indeno(1,2,3-cd)pyrene
Concen: 9.12 ng/ul
RT: 28.73 min Scan# 4406
Delta R.T. -0.01 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:276 Resp: 106224

Ion	Ratio	Lower	Upper
276	100		
138	12.1	11.4	17.0
277	25.3	17.4	26.0



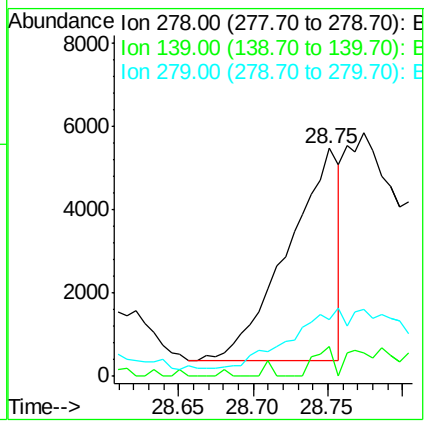


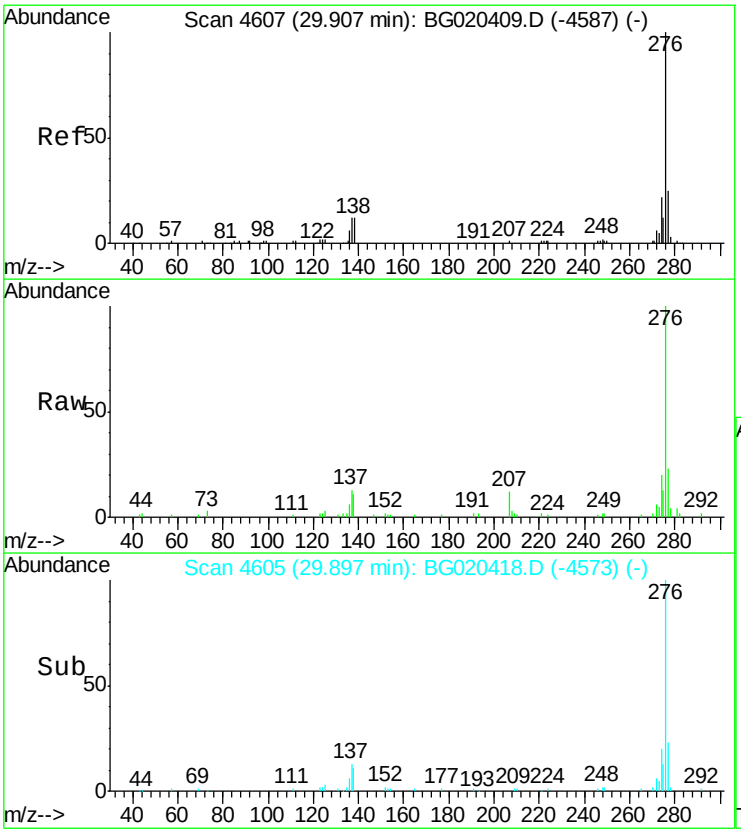
#93
Dibenzo(a,h)anthracene
Concen: 1.27 ng/ul
RT: 28.75 min Scan# 4410
Delta R.T. -0.06 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Instrument :
BNA_G
ClientSampleId :
D9N44ME

Tgt Ion:278 Resp: 12269

Ion	Ratio	Lower	Upper
278	100		
139	13.1	9.4	14.2
279	25.0	19.4	29.0





#94
Benzo(g,h,i)perylene
Concen: 8.30 ng/ul
RT: 29.90 min Scan# 4605
Delta R.T. -0.01 min
Lab File: BG020418.D
Acq: 22 Dec 2015 20:52

Tgt Ion:276 Resp: 79247

Ion	Ratio	Lower	Upper
276	100		
138	10.9	10.8	16.2
277	22.6	19.9	29.9