Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
Operator : UM/SJ
Sample : G4849-09
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

Quant Time: Dec 20 04:54:44 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	22031	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	93428	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	72499	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.49	188	76196	20.00	ng/ul	0.03
78) Chrysene-d12	21.76	240	190862	20.00	ng/ul	0.02
86) Perylene-d12	25.03	264	181388	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.46	96	1002	2.51	ng/uL	0.00
5) Phenol-d5	7.24	99	28375	14.61	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	19371	16.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	23943	16.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	25379	15.28	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	14265	19.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	15456	19.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	28818	17.56	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	33803	18.33	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	95523	16.29	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	111479	16.34	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	14175	13.48	ng/ul	0.01
58) Fluorene-d10	15.72	176	86233	16.21	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	7293	16.15	ng/ul	0.06
71) Anthracene-d10	17.62	188	122973	35.03	ng/ul	0.05
79) Pyrene-d10	19.87	212	156274	17.57	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.80	264	175240	19.37	ng/ul	0.01
Target Compounds						Qvalue
8) Bis(2-Chloroethyl)ether	7.53	93	3147	2.20	ng/ul#	19
17) Hexachloroethane	9.20	117	3180	5.11	ng/ul#	1
28) Naphthalene	11.01	128	5097669	1044.82	ng/ul#	63
30) 4-Chloroaniline	11.01	127	1113138	591.36	ng/ul#	14
34) 2-Methylnaphthalene	12.59	142	2254968	605.08	ng/ul	99
35) 1-Methylnaphthalene	12.79	142	1155885	322.62	ng/ul#	95
41) 1,1'-Biphenyl	13.57	154	1010168	184.69	ng/ul	99
43) 2-Nitroaniline	13.76	65	4236	2.85	ng/ul#	31
45) Dimethylphthalate	14.18	163	31289	5.22	ng/ul	97
48) Acenaphthylene	14.45	152	281865	38.89	ng/ul#	94
49) 3-Nitroaniline	14.71	138	1315	1.09	ng/ul#	86
50) Acenaphthene	14.83	153	3448048	707.00	ng/ul#	85
54) Dibenzofuran	15.15	168	3345973	461.20	ng/ul#	68
55) 2,4-Dinitrotoluene	15.08	165	6536	3.59	ng/ul#	33
59) Fluorene	15.81	166	3425643	588.00	ng/ul#	97
61) 4-Nitroaniline	15.81	138	59976	46.12	ng/ul#	13
65) N-Nitrosodiphenylamine	15.99	169	19610	9.26	ng/ul#	1
70) Phenanthrene	17.59	178	8485011	2035.85	ng/ul#	37
72) Anthracene	17.65	178	1717179	406.22	ng/ul#	81
75) Carbazole	17.89	167	1313147	369.70	ng/ul	93
76) Di-n-butylphthalate	18.42	149	7389	1.79	ng/ul#	1
77) Fluoranthene	19.57	202	5986586	1229.04	ng/ul#	46
80) Pyrene	19.93	202	4816715	416.97	ng/ul#	57

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
Operator : UM/SJ
Sample : G4849-09
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73

Quant Time: Dec 20 04:54:44 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	21.74	228	1969921	176.89	ng/ul#	87
85) Chrysene	21.82	228	1679237	160.10	ng/ul#	87
88) Benzo(b)fluoranthene	24.00	252	1026916	94.06	ng/ul	96
89) Benzo(k)fluoranthene	24.05	252	393087	37.52	ng/ul	99
91) Benzo(a)pyrene	24.88	252	590388	57.05	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.75	276	183527	14.89	ng/ul	95
93) Dibenzo(a,h)anthracene	28.78	278	25893	2.53	ng/ul	93
94) Benzo(g,h,i)perylene	29.92	276	127026	12.57	ng/ul	98

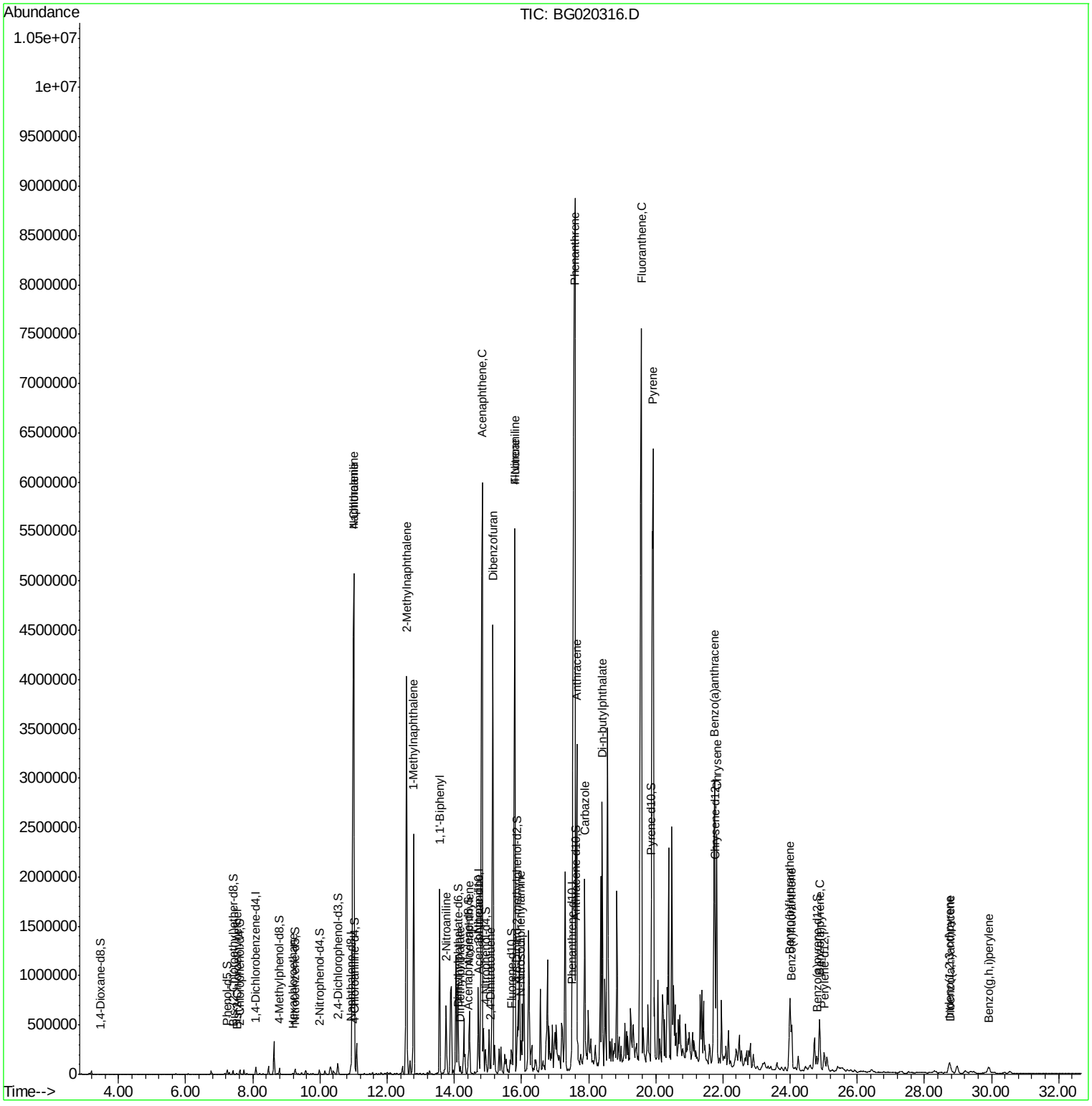
(#) = qualifier out of range (m) = manual integration (+) = signals summed

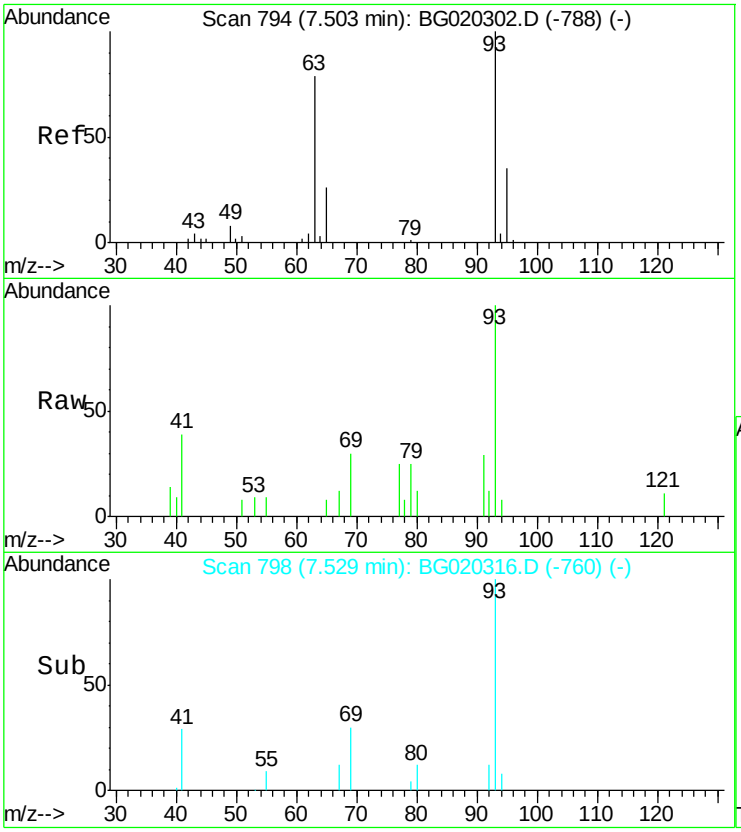
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020316.D
Acq On : 19 Dec 2015 17:50
Operator : UM/SJ
Sample : G4849-09
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N73

Quant Time: Dec 20 04:54:44 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



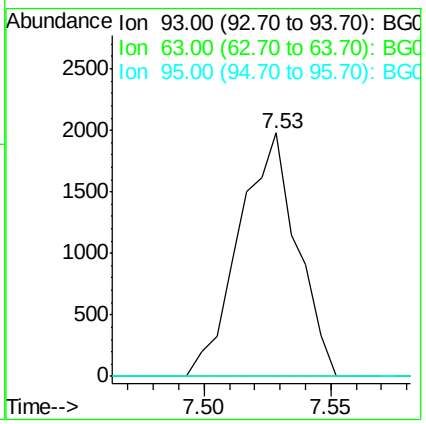


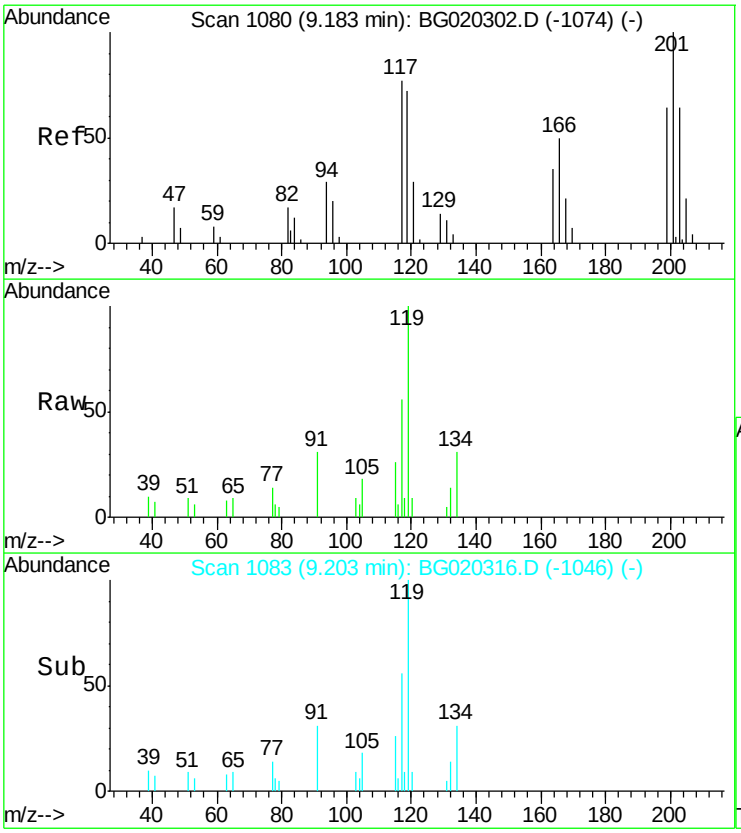
#8
Bis(2-Chloroethyl)ether
Concen: 2.20 ng/ul
RT: 7.53 min Scan# 798
Delta R.T. 0.03 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion: 93 Resp: 3147

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

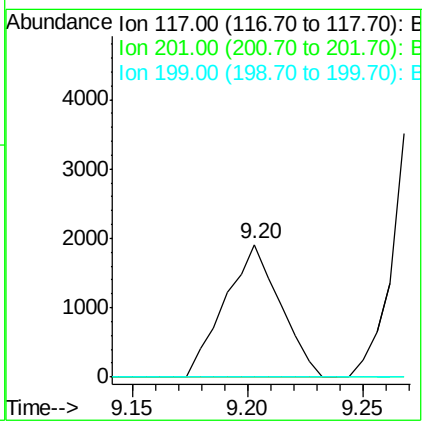


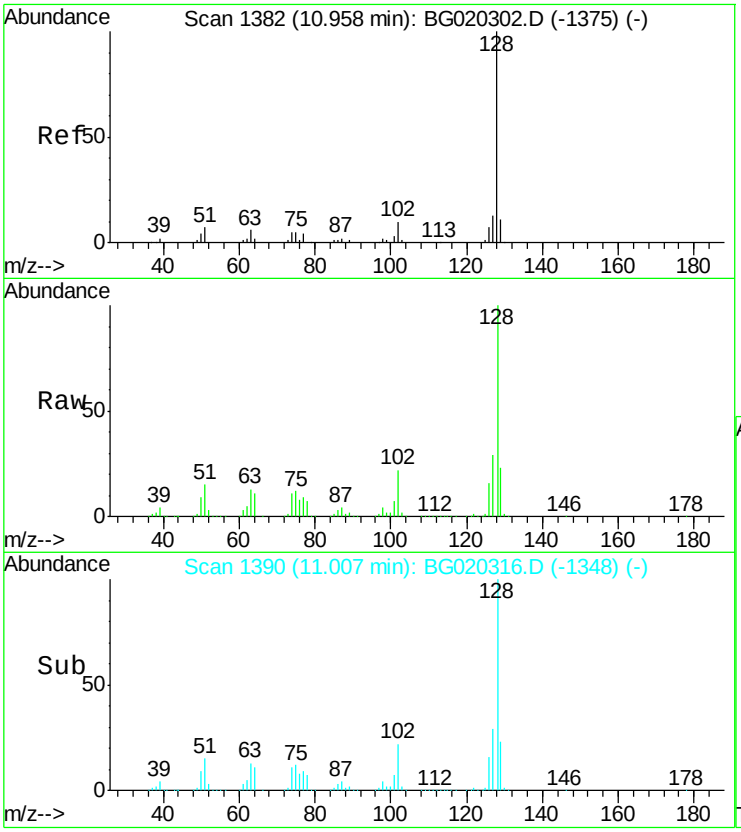


#17
Hexachloroethane
Concen: 5.11 ng/ul
RT: 9.20 min Scan# 1083
Delta R.T. 0.02 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:117 Resp: 3180

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



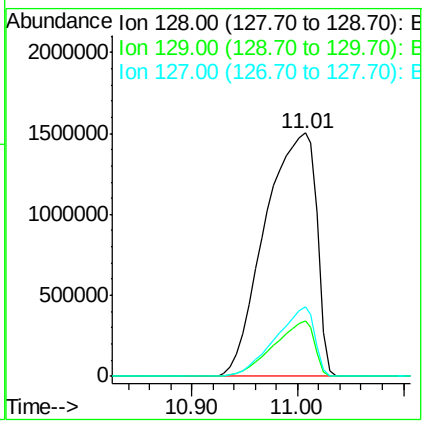


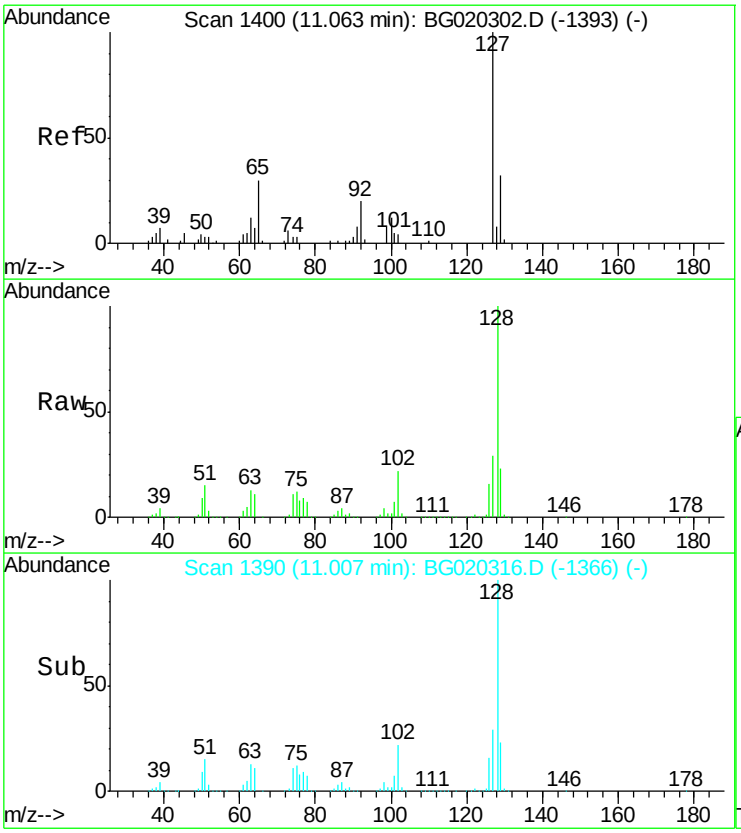
#28
Naphthalene
Concen: 1044.82 ng/ul
RT: 11.01 min Scan# 1390
Delta R.T. 0.05 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:128 Resp: 5097669

Ion	Ratio	Lower	Upper
128	100		
129	22.8	8.6	12.8#
127	28.6	10.1	15.1#

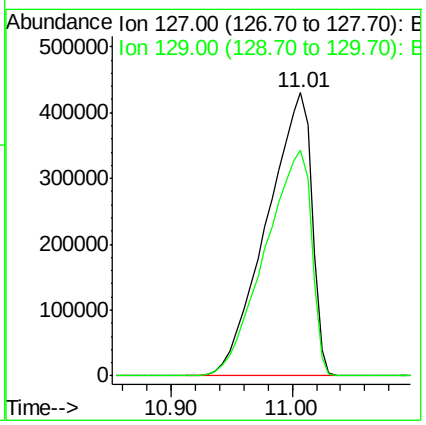


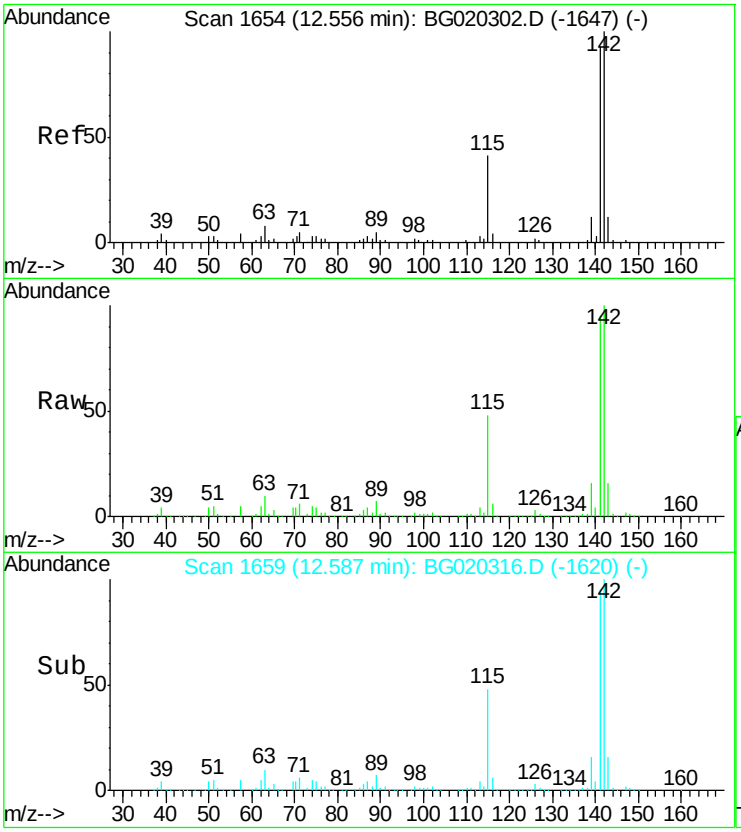


#30
4-Chloroaniline
Concen: 591.36 ng/ul
RT: 11.01 min Scan# 1390
Delta R.T. -0.06 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:127 Resp: 1113138

Ion	Ratio	Lower	Upper
127	100		
129	79.9	25.7	38.5#



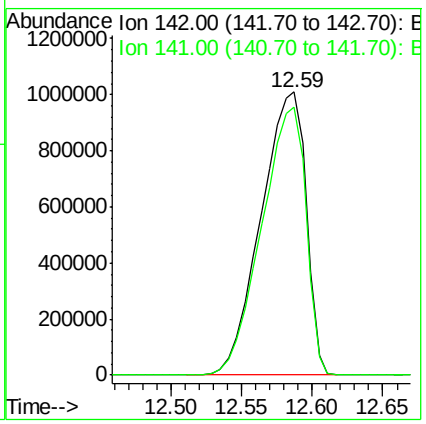


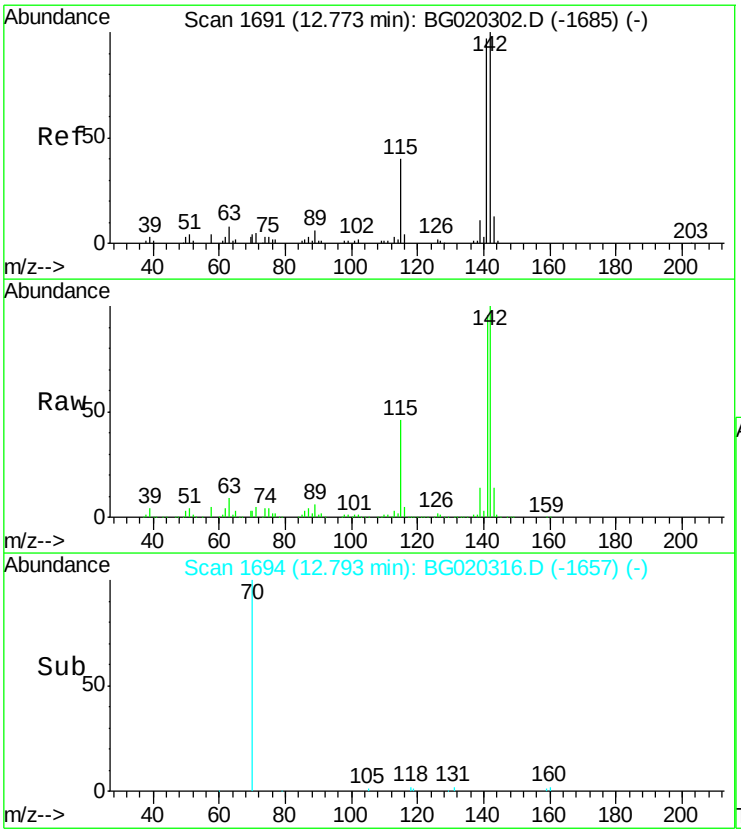
#34
2-Methylnaphthalene
Concen: 605.08 ng/ul
RT: 12.59 min Scan# 1659
Delta R.T. 0.03 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:142 Resp: 2254968

Ion	Ratio	Lower	Upper
142	100		
141	94.9	74.9	112.3

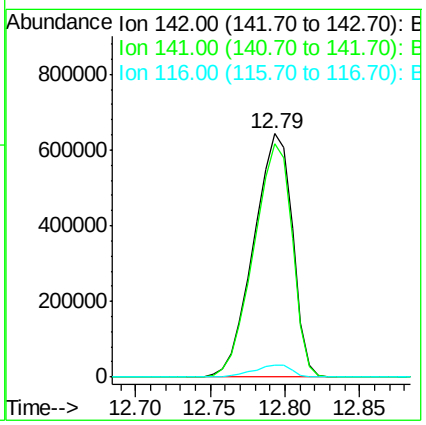


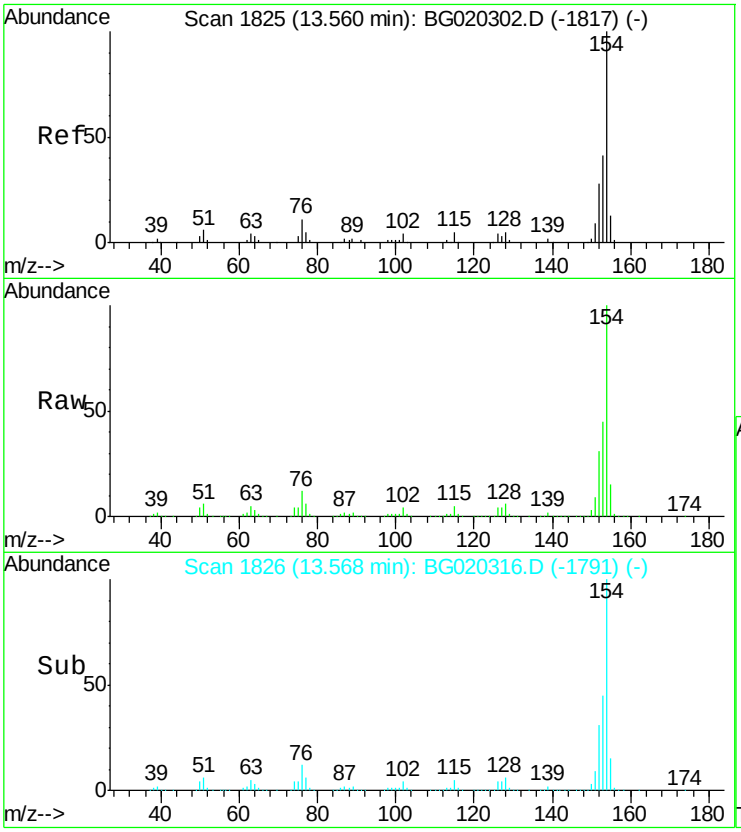


#35
1-Methylnaphthalene
Concen: 322.62 ng/ul
RT: 12.79 min Scan# 1694
Delta R.T. 0.02 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:142 Resp: 1155885

Ion	Ratio	Lower	Upper
142	100		
141	95.9	73.0	109.6
116	5.1	3.0	4.6#



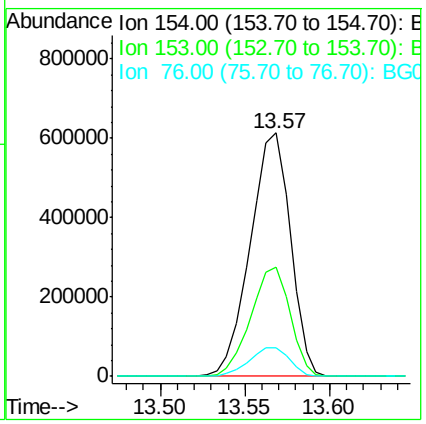


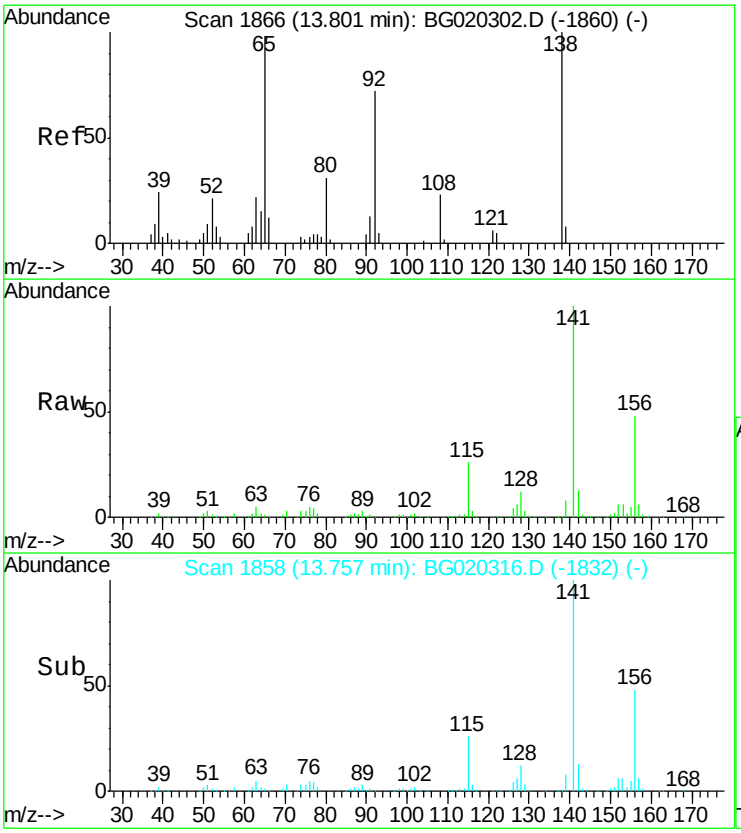
#41
1,1'-Biphenyl
Concen: 184.69 ng/ul
RT: 13.57 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:154 Resp: 1010168

Ion	Ratio	Lower	Upper
154	100		
153	44.7	35.5	53.3
76	11.9	10.4	15.6

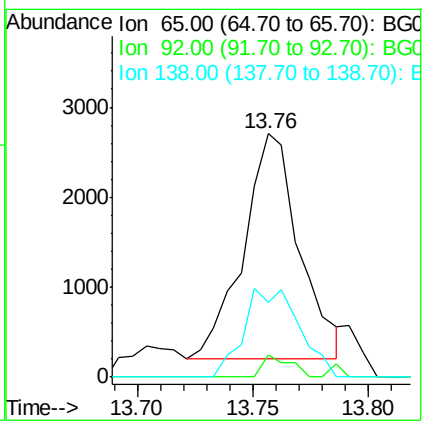


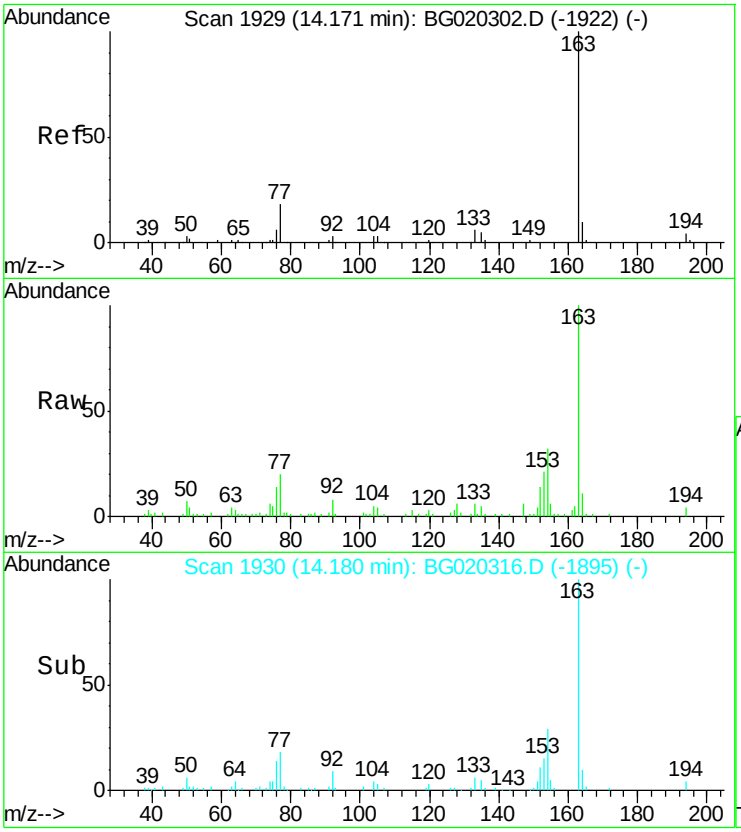


#43
2-Nitroaniline
Concen: 2.85 ng/ul
RT: 13.76 min Scan# 1858
Delta R.T. -0.04 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion: 65 Resp: 4236

Ion	Ratio	Lower	Upper
65	100		
92	9.2	53.1	79.7#
138	30.9	76.6	114.8#



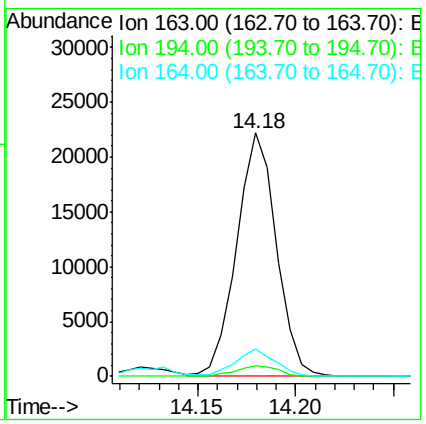


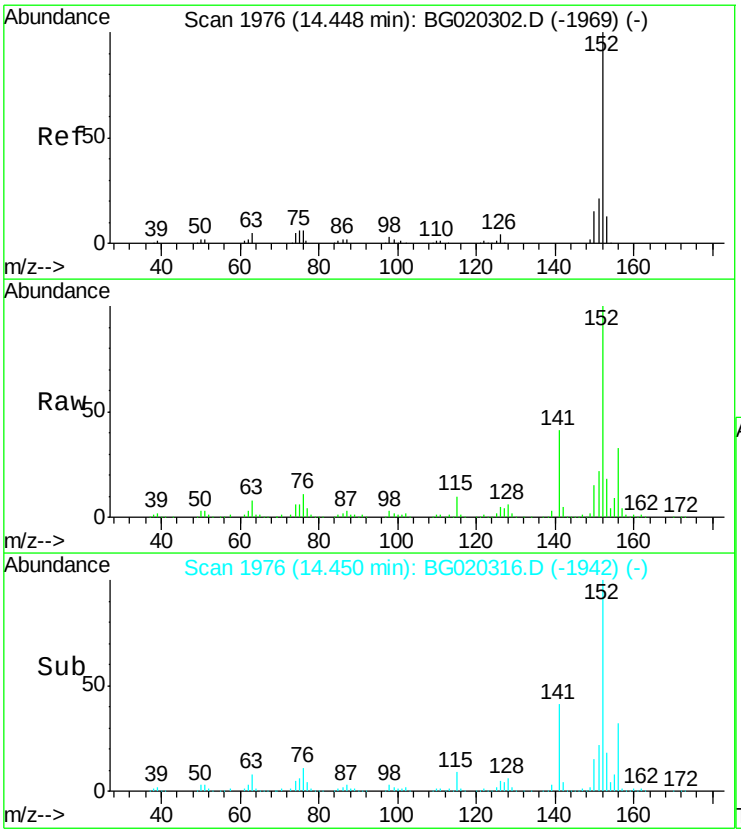
#45
Dimethylphthalate
Concen: 5.22 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. 0.01 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:163 Resp: 31289

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	11.1	7.7	11.5

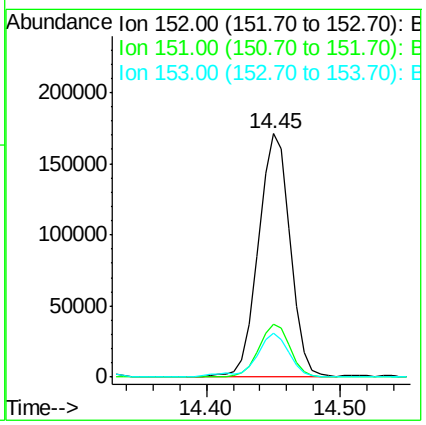


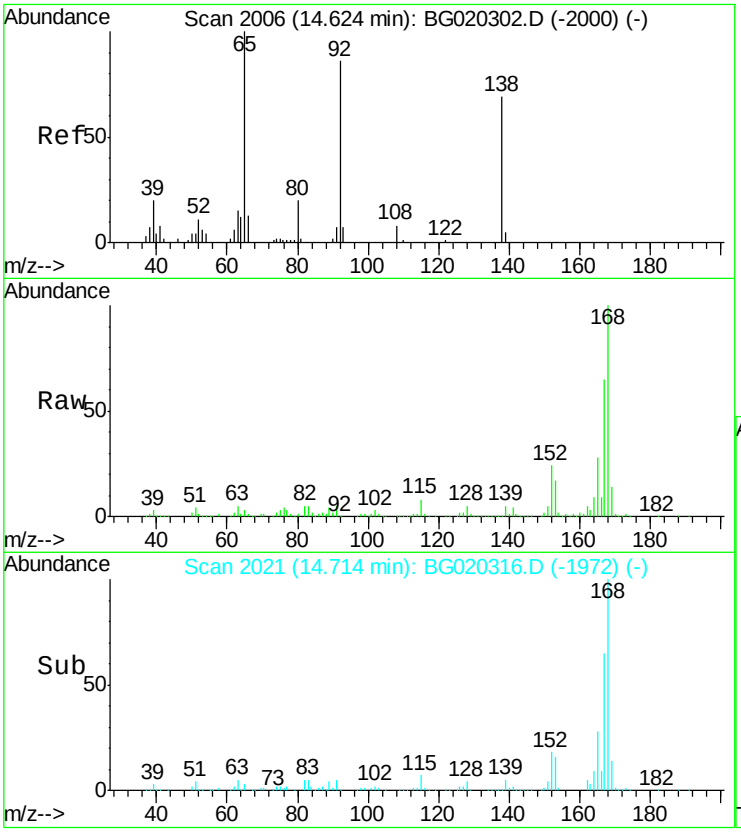


#48
Acenaphthylene
Concen: 38.89 ng/ul
RT: 14.45 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:152 Resp: 281865

Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.4	24.6
153	17.9	10.4	15.6#



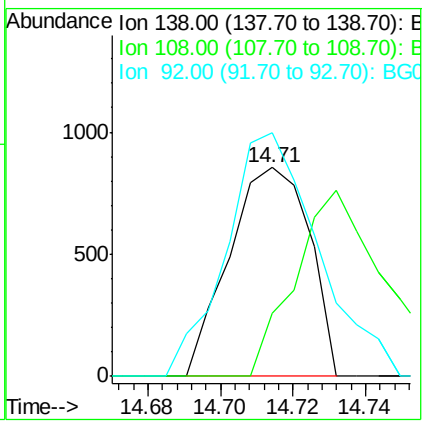


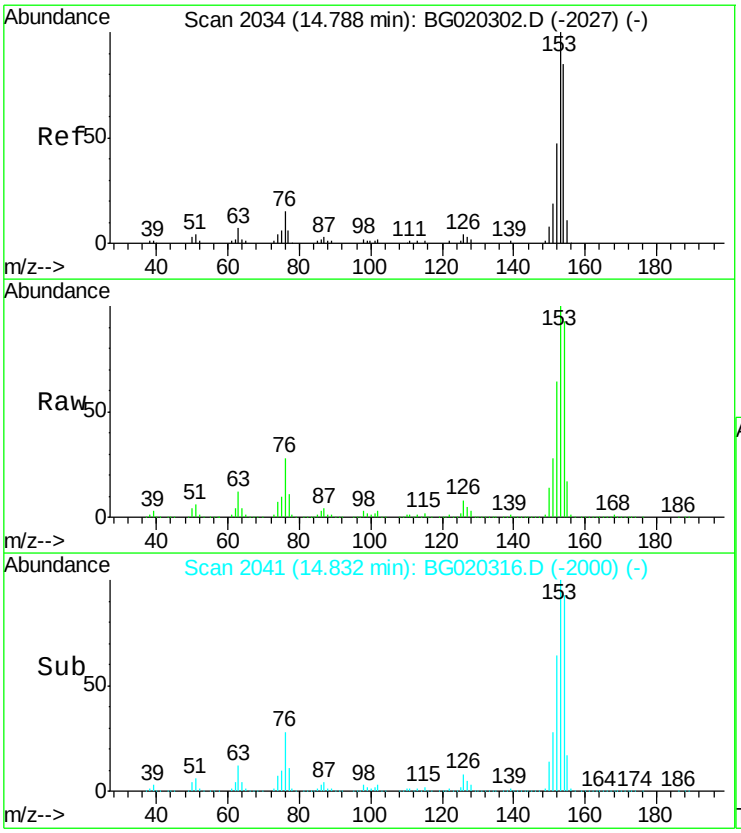
#49
3-Nitroaniline
Concen: 1.09 ng/ul
RT: 14.71 min Scan# 2021
Delta R.T. 0.09 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:138 Resp: 1315

Ion	Ratio	Lower	Upper
138	100		
108	30.6	9.1	13.7#
92	116.7	103.2	154.8

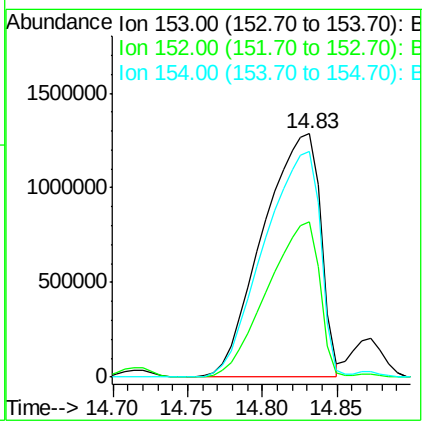


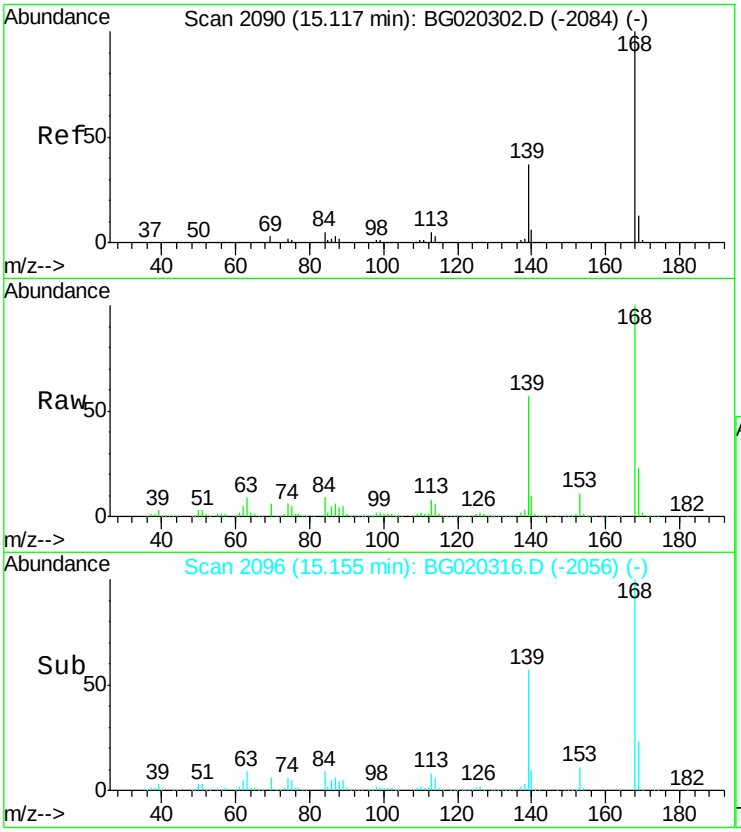


#50
Acenaphthene
Concen: 707.00 ng/ul
RT: 14.83 min Scan# 2041
Delta R.T. 0.04 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:153 Resp: 3448048

Ion	Ratio	Lower	Upper
153	100		
152	63.8	37.6	56.4#
154	92.8	67.9	101.9



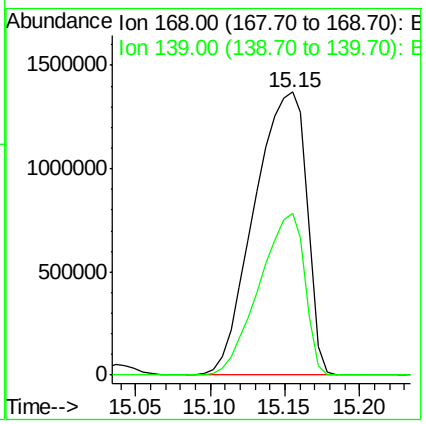


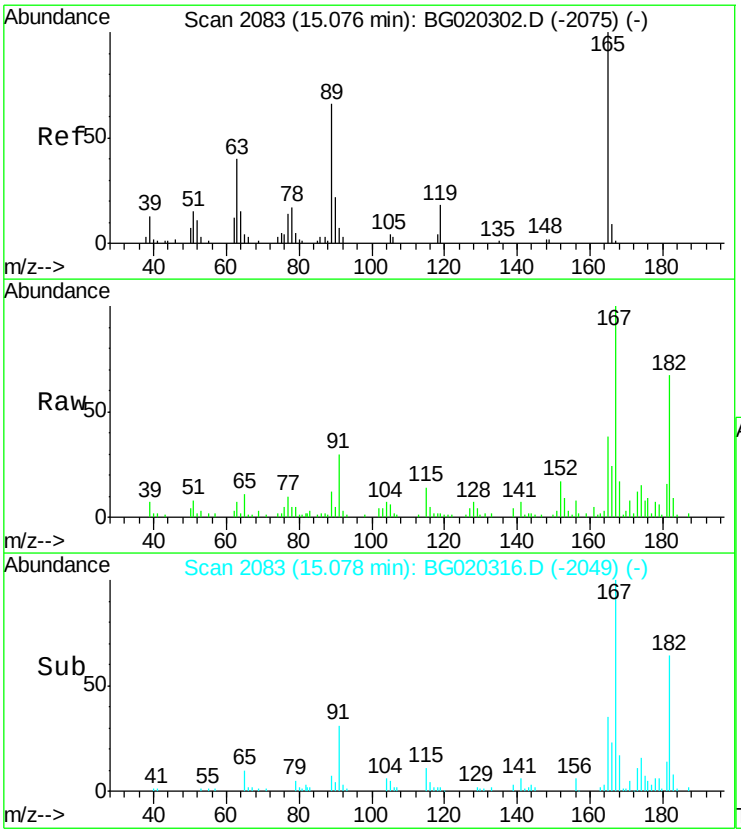
#54
Dibenzofuran
Concen: 461.20 ng/ul
RT: 15.15 min Scan# 2096
Delta R.T. 0.04 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:168 Resp: 3345973

Ion	Ratio	Lower	Upper
168	100		
139	57.1	30.5	45.7#

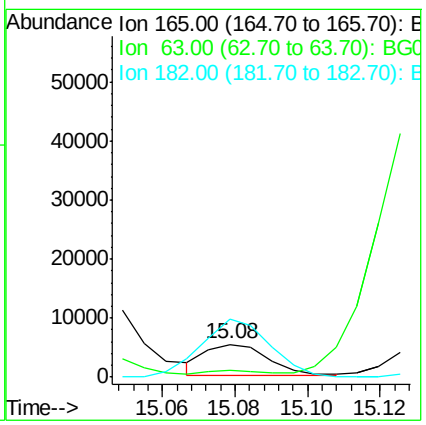


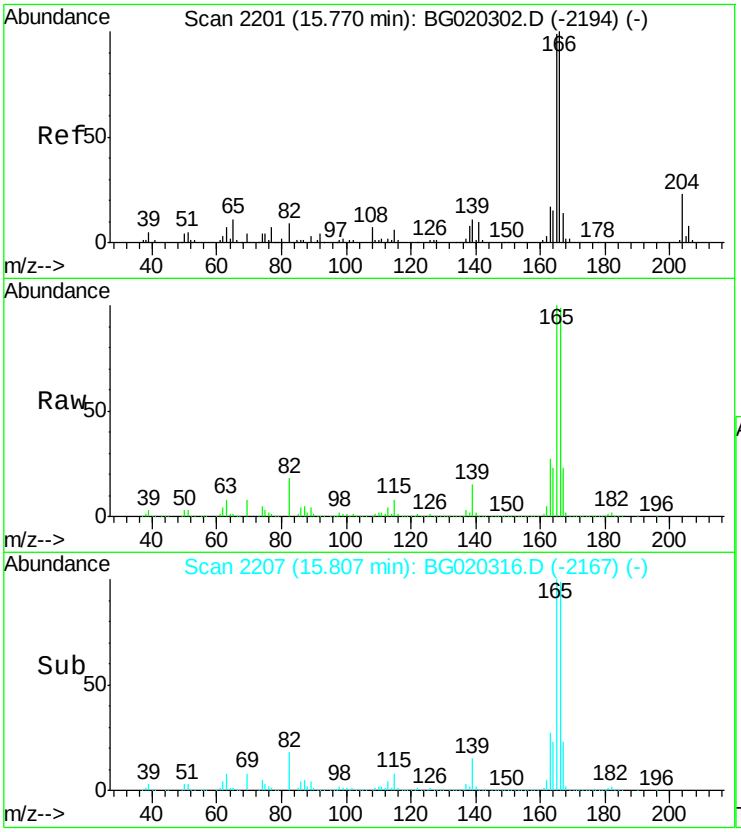


#55
2,4-Dinitrotoluene
Concen: 3.59 ng/ul
RT: 15.08 min Scan# 2083
Delta R.T. 0.00 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:165 Resp: 6536

Ion	Ratio	Lower	Upper
165	100		
63	18.9	35.8	53.8#
182	179.1	2.2	3.2#



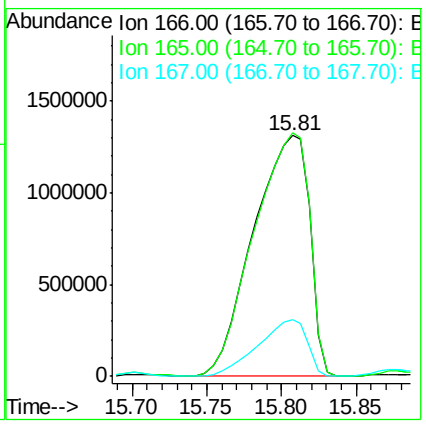


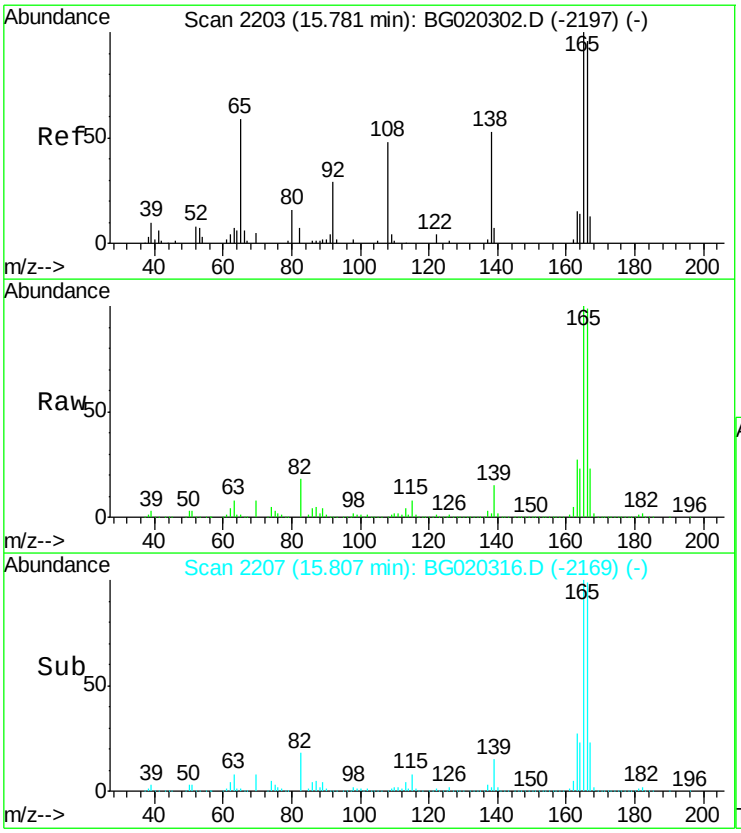
#59
Fluorene
Concen: 588.00 ng/ul
RT: 15.81 min Scan# 2207
Delta R.T. 0.04 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:166 Resp: 3425643

Ion	Ratio	Lower	Upper
166	100		
165	101.1	81.4	122.0
167	23.6	11.2	16.8#

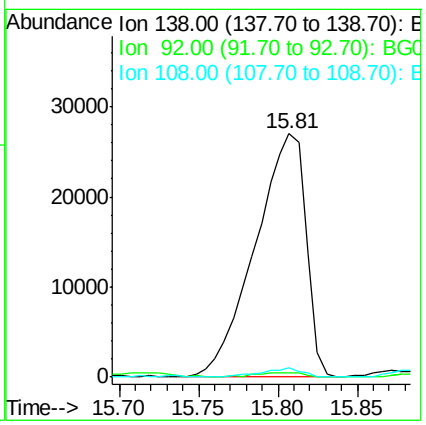


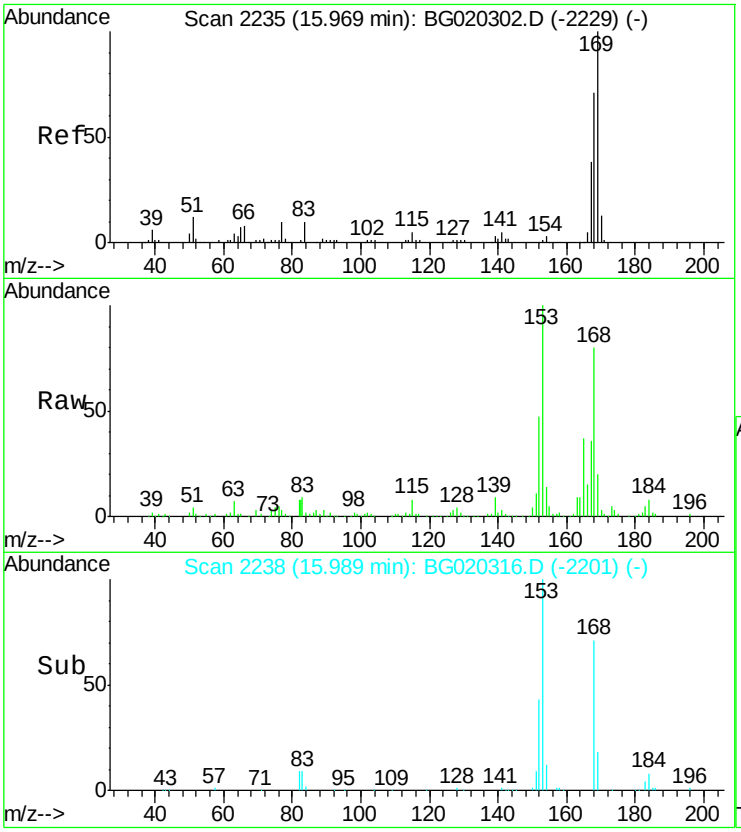


#61
4-Nitroaniline
Concen: 46.12 ng/ul
RT: 15.81 min Scan# 2207
Delta R.T. 0.03 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:138 Resp: 59976

Ion	Ratio	Lower	Upper
138	100		
92	1.8	45.2	67.8#
108	3.6	75.4	113.0#



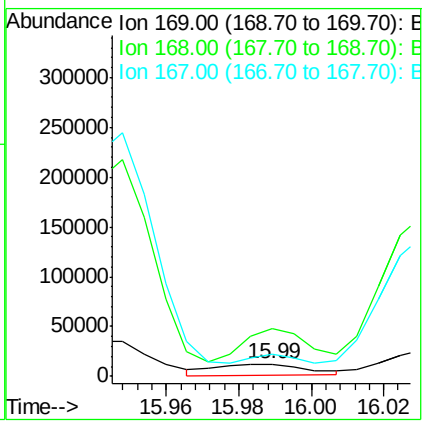


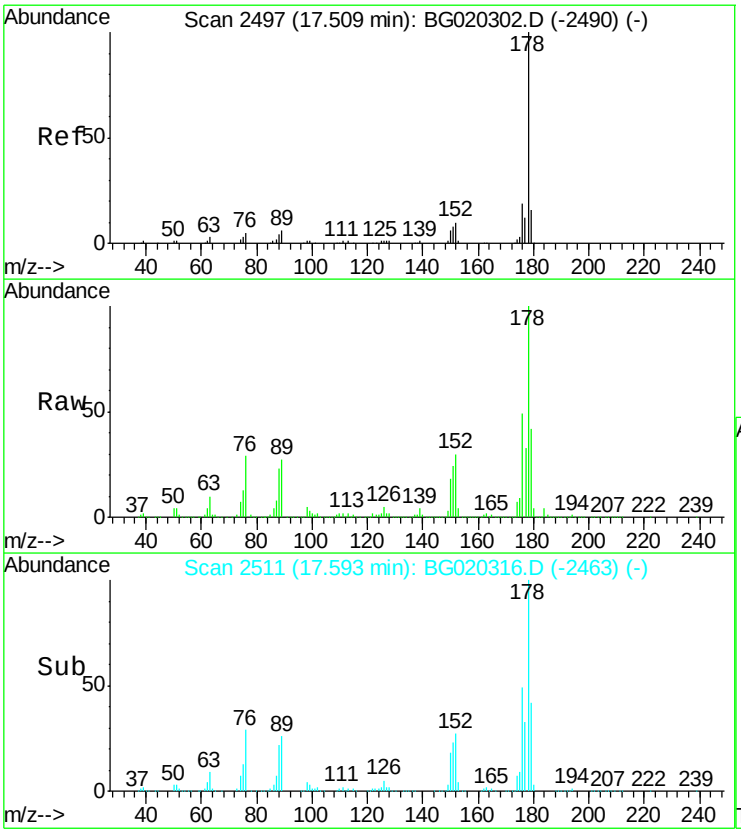
#65
N-Nitrosodiphenylamine
Concen: 9.26 ng/ul
RT: 15.99 min Scan# 2238
Delta R.T. 0.02 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:169 Resp: 19610

Ion	Ratio	Lower	Upper
169	100		
168	395.7	54.3	81.5#
167	179.3	31.8	47.8#

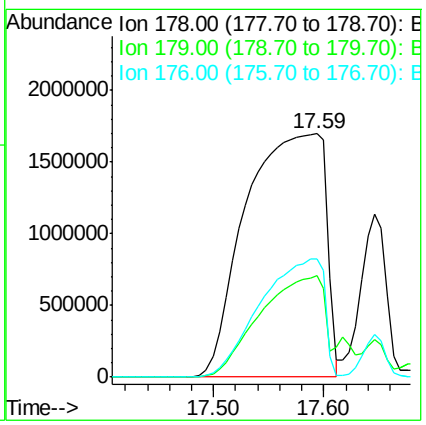


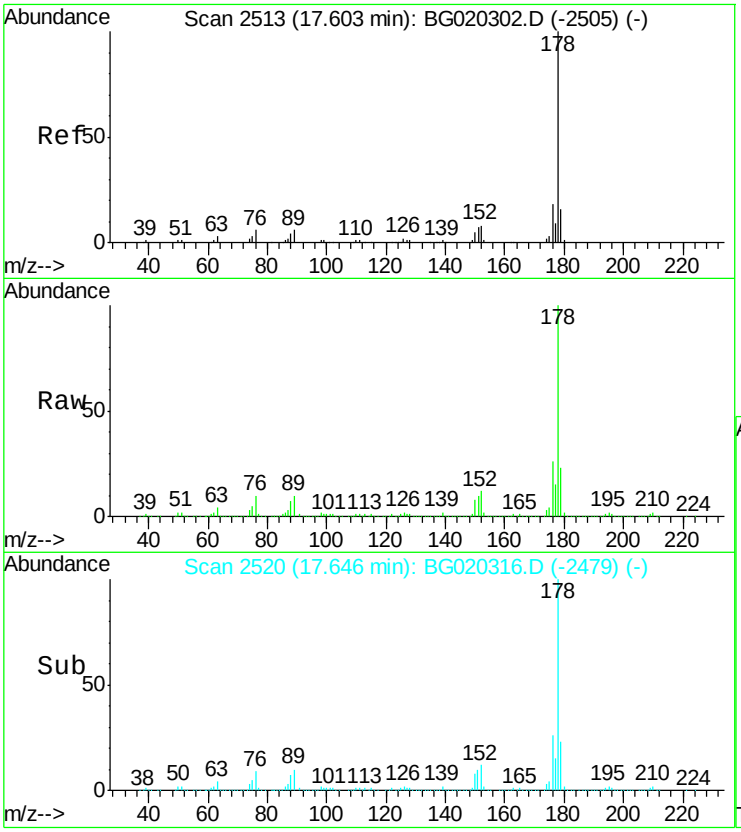


#70
Phenanthrene
Concen: 2035.85 ng/ul
RT: 17.59 min Scan# 2511
Delta R.T. 0.08 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:178 Resp: 8485011

Ion	Ratio	Lower	Upper
178	100		
179	41.6	12.9	19.3#
176	48.6	15.3	22.9#



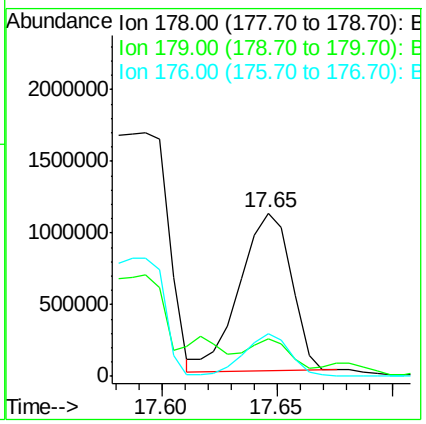


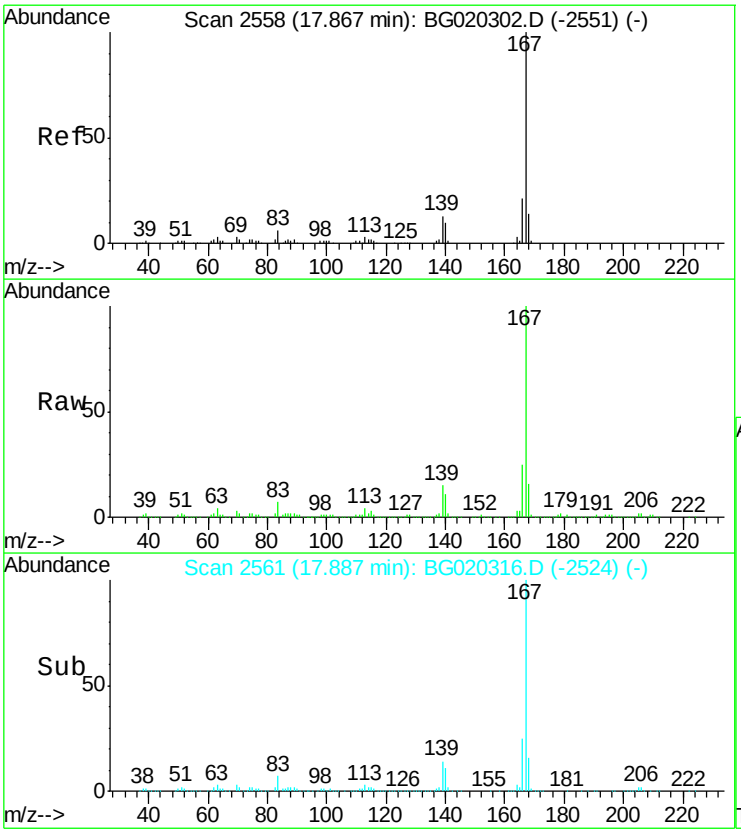
#72
Anthracene
Concen: 406.22 ng/ul
RT: 17.65 min Scan# 2520
Delta R.T. 0.04 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:178 Resp: 1717179

Ion	Ratio	Lower	Upper
178	100		
179	23.3	12.3	18.5#
176	26.0	14.3	21.5#

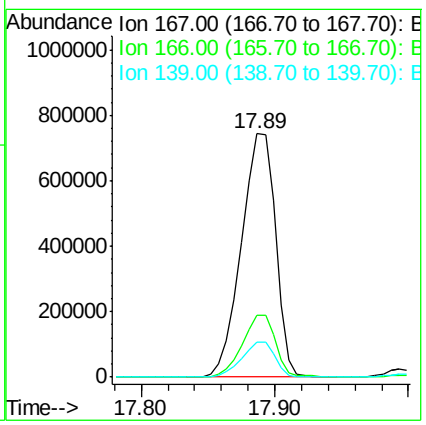


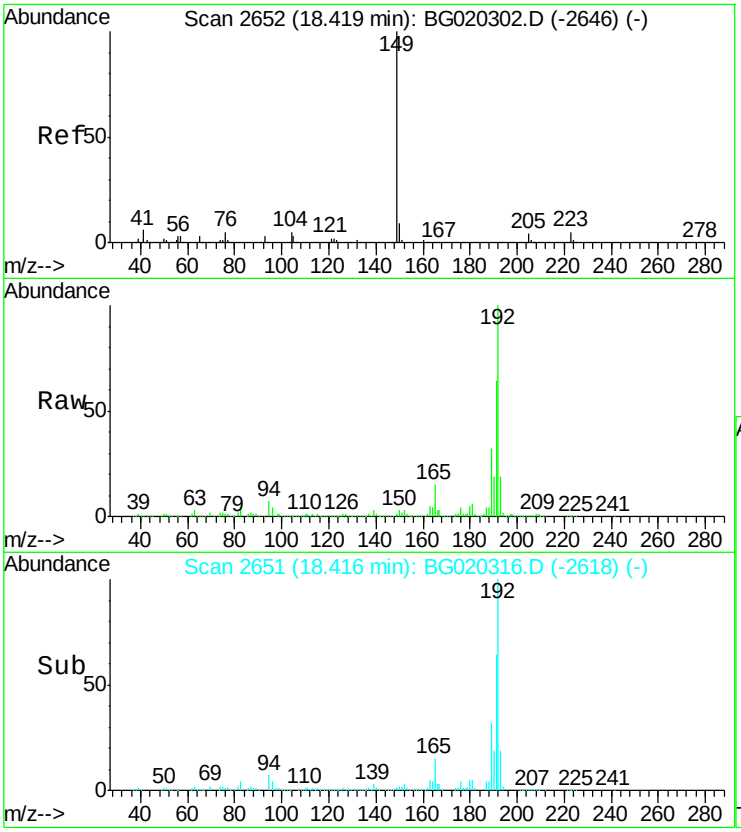


#75
Carbazole
Concen: 369.70 ng/ul
RT: 17.89 min Scan# 2561
Delta R.T. 0.02 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:167 Resp: 1313147

Ion	Ratio	Lower	Upper
167	100		
166	25.4	17.0	25.6
139	14.6	10.1	15.1



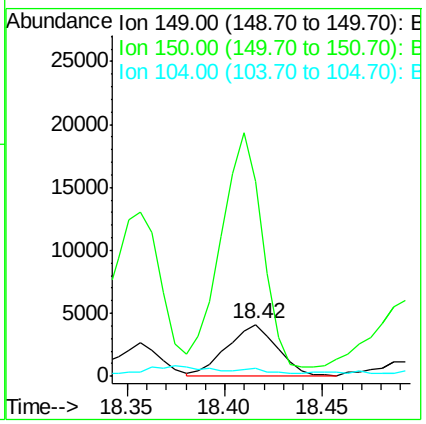


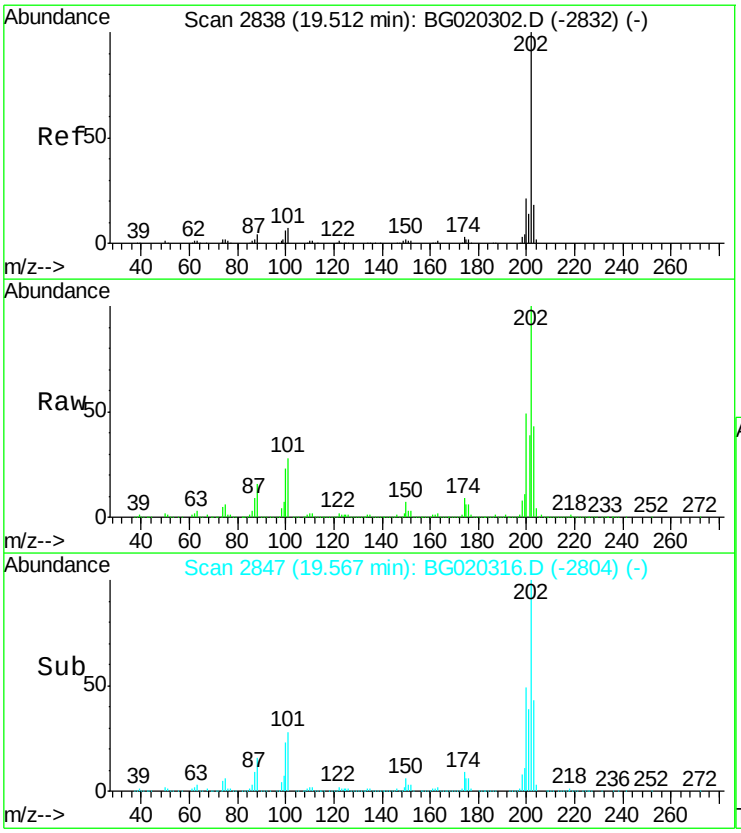
#76
Di-n-butylphthalate
Concen: 1.79 ng/ul
RT: 18.42 min Scan# 2651
Delta R.T. -0.00 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:149 Resp: 7389

Ion	Ratio	Lower	Upper
149	100		
150	376.8	7.7	11.5#
104	15.1	4.2	6.4#

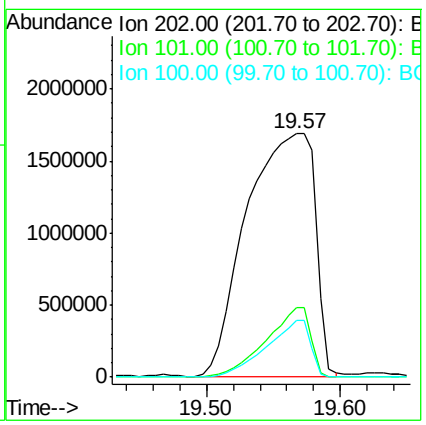


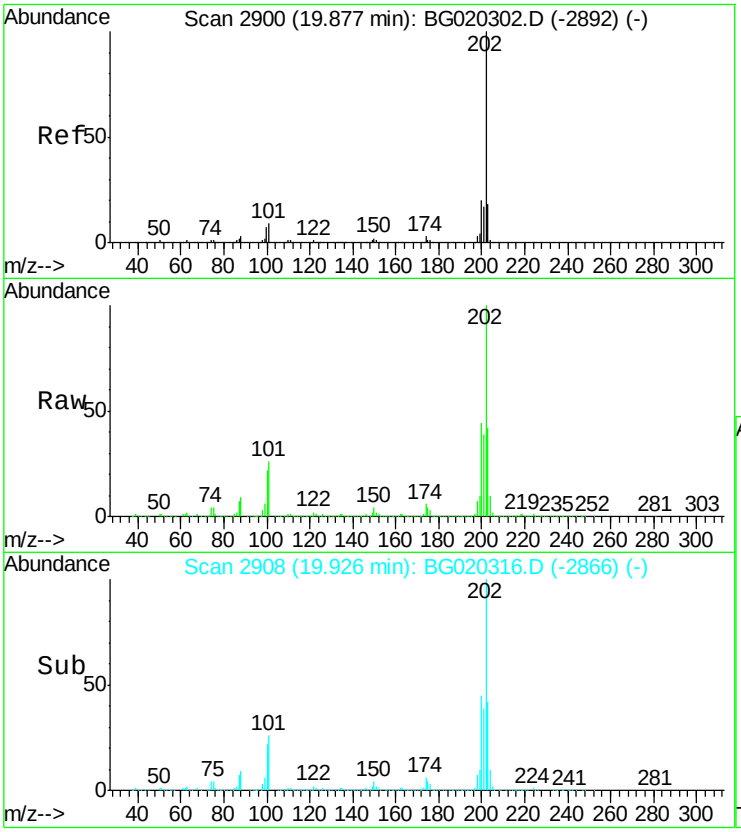


#77
Fluoranthene
Concen: 1229.04 ng/ul
RT: 19.57 min Scan# 2847
Delta R.T. 0.06 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:202 Resp: 5986586

Ion	Ratio	Lower	Upper
202	100		
101	28.4	6.2	9.4#
100	23.2	5.1	7.7#



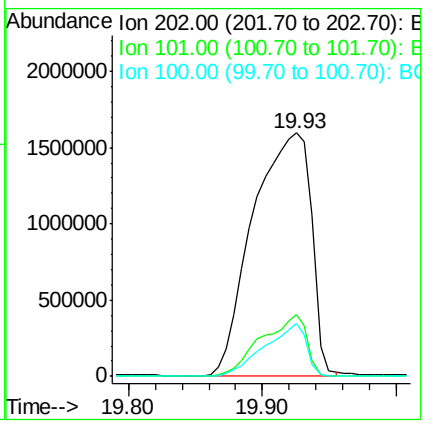


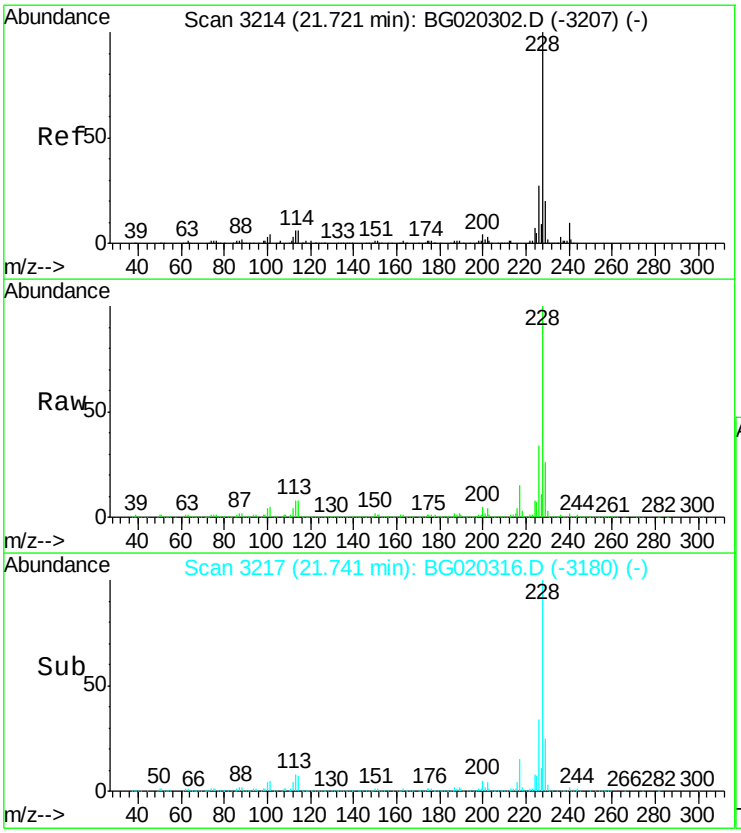
#80
Pyrene
Concen: 416.97 ng/ul
RT: 19.93 min Scan# 2908
Delta R.T. 0.05 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:202 Resp: 4816715

Ion	Ratio	Lower	Upper
202	100		
101	25.6	7.0	10.4#
100	21.8	6.4	9.6#

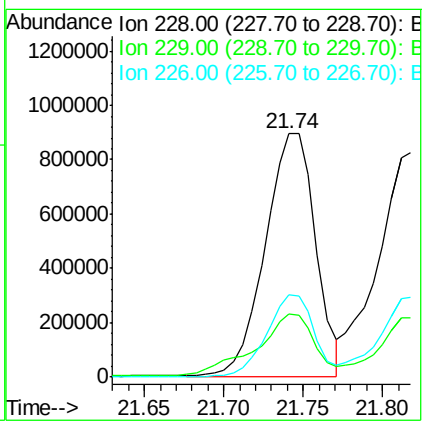


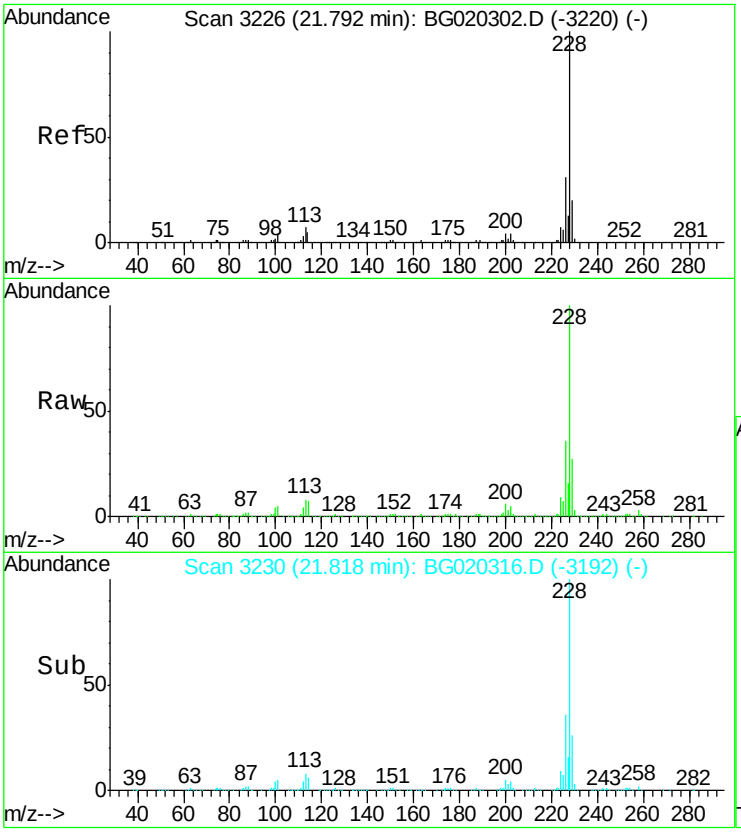


#83
Benzo(a)anthracene
Concen: 176.89 ng/ul
RT: 21.74 min Scan# 3217
Delta R.T. 0.02 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:228 Resp: 1969921

Ion	Ratio	Lower	Upper
228	100		
229	26.0	15.8	23.8#
226	33.6	21.8	32.6#



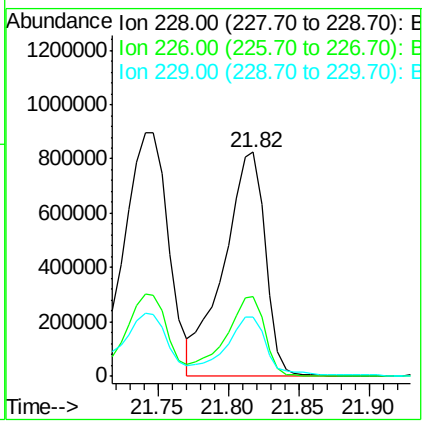


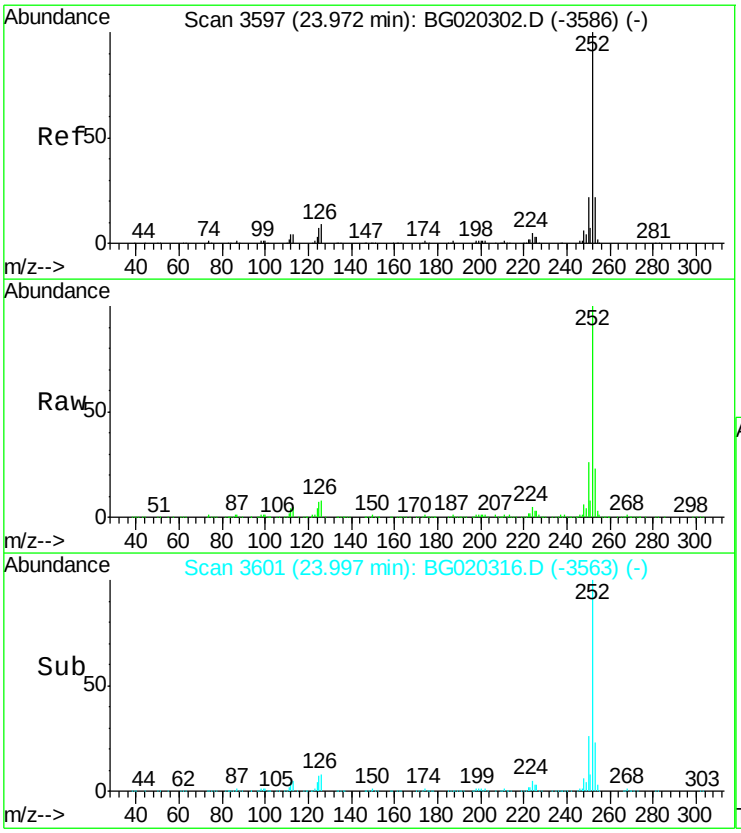
#85
Chrysene
Concen: 160.10 ng/ul
RT: 21.82 min Scan# 3230
Delta R.T. 0.03 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:228 Resp: 1679237

Ion	Ratio	Lower	Upper
228	100		
226	35.8	23.9	35.9
229	26.6	15.6	23.4#

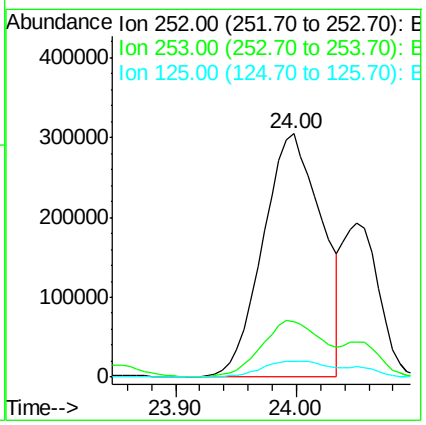


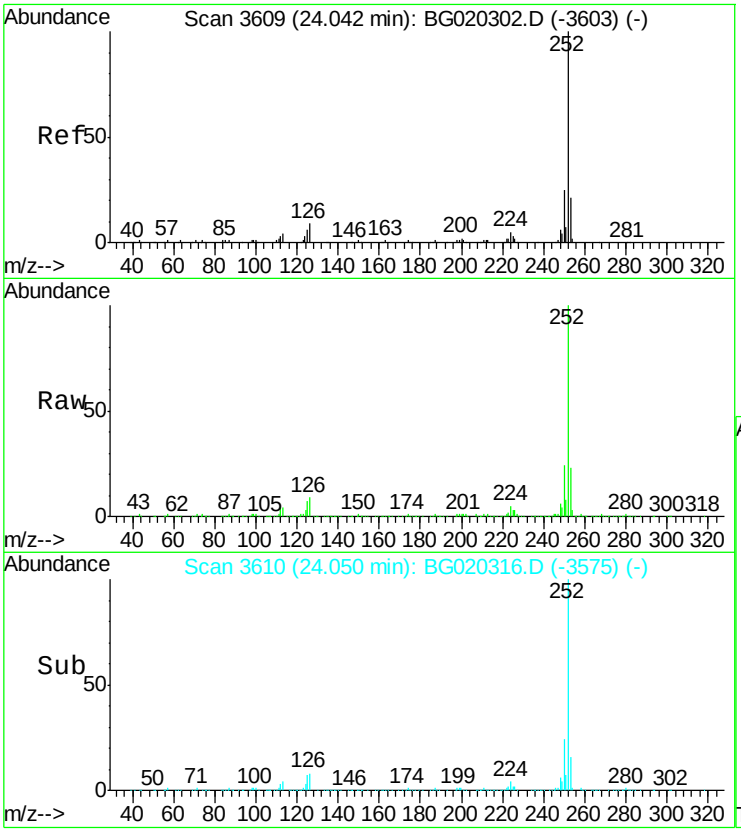


#88
Benzo(b)fluoranthene
Concen: 94.06 ng/ul
RT: 24.00 min Scan# 3601
Delta R.T. 0.03 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:252 Resp: 1026916

Ion	Ratio	Lower	Upper
252	100		
253	22.7	16.7	25.1
125	6.7	6.2	9.2



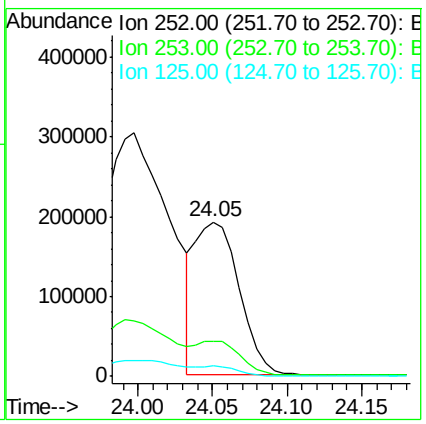


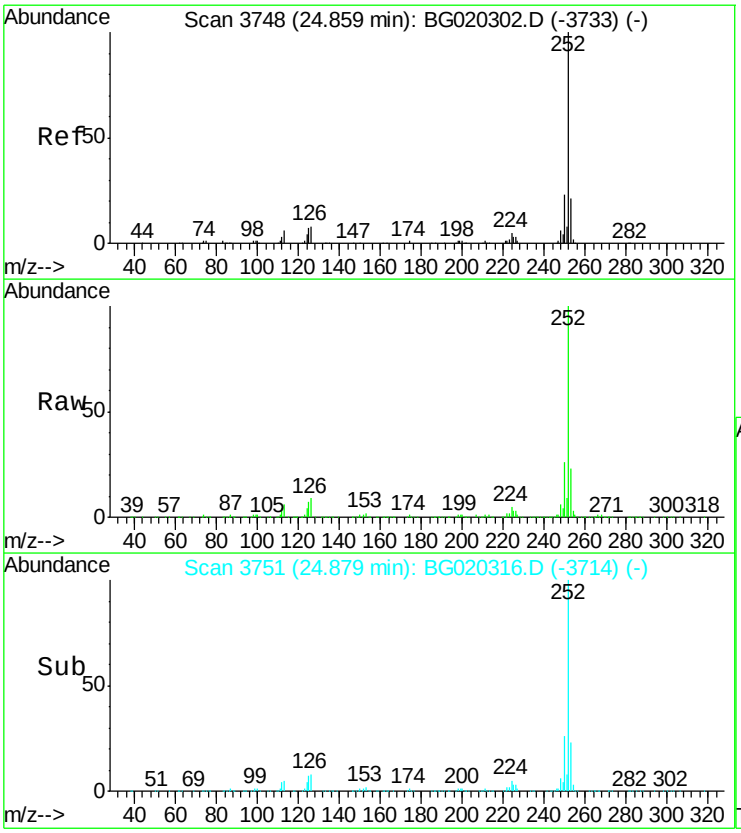
#89
Benzo(k)fluoranthene
Concen: 37.52 ng/ul
RT: 24.05 min Scan# 3610
Delta R.T. 0.01 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:252 Resp: 393087

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	6.7	5.8	8.6

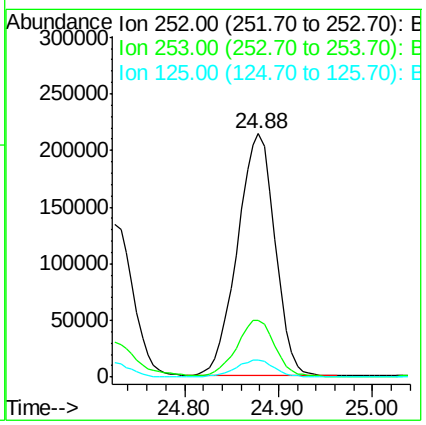


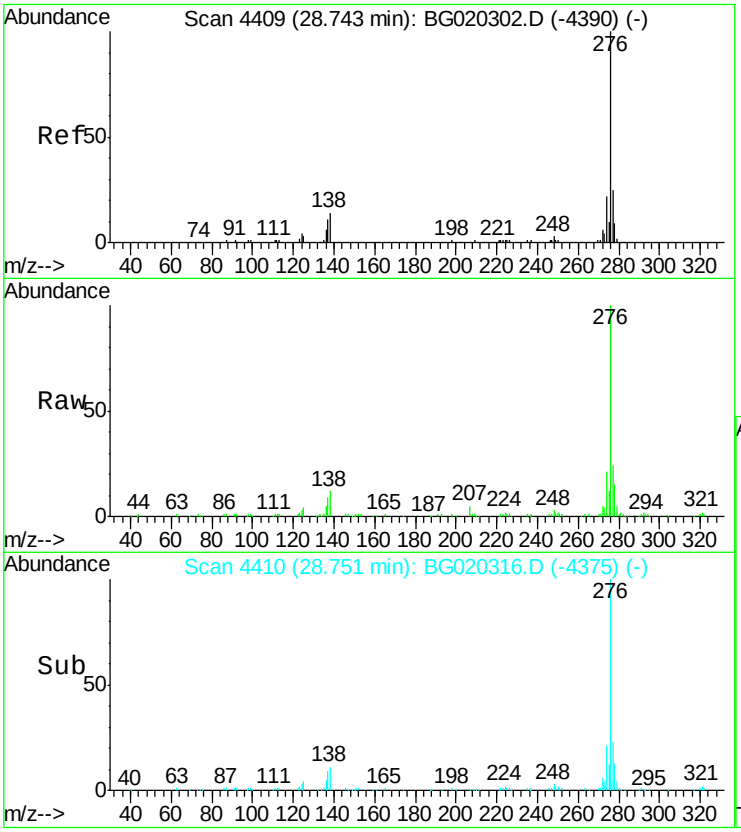


#91
Benzo(a)pyrene
Concen: 57.05 ng/ul
RT: 24.88 min Scan# 3751
Delta R.T. 0.02 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:252 Resp: 590388

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.4
125	6.8	6.2	9.4



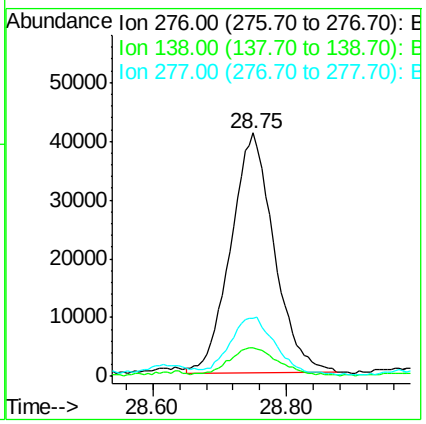


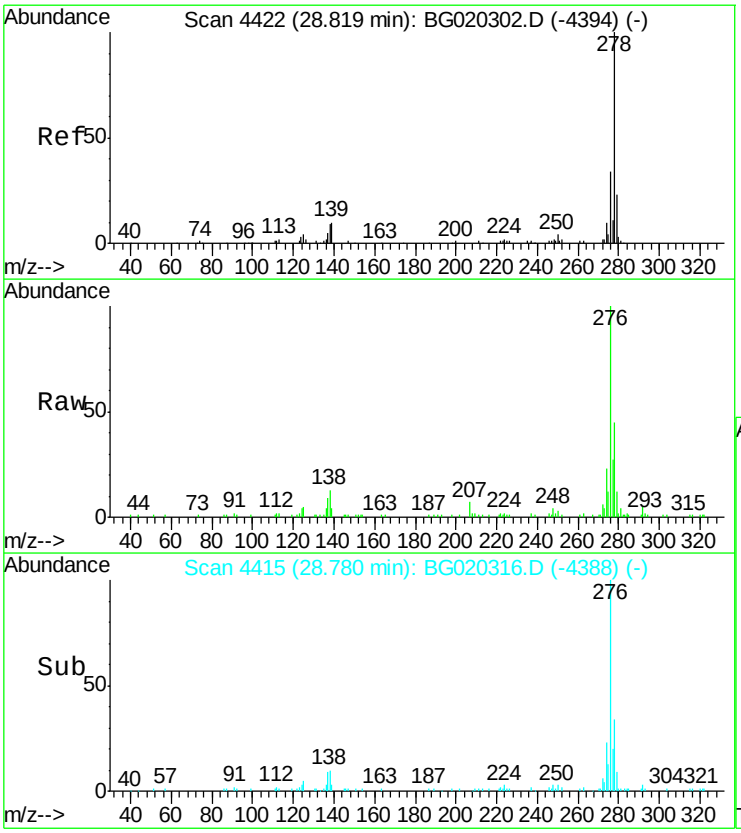
#92
Indeno(1,2,3-cd)pyrene
Concen: 14.89 ng/ul
RT: 28.75 min Scan# 4410
Delta R.T. 0.01 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:276 Resp: 183527

Ion	Ratio	Lower	Upper
276	100		
138	11.8	11.4	17.0
277	24.0	17.4	26.0

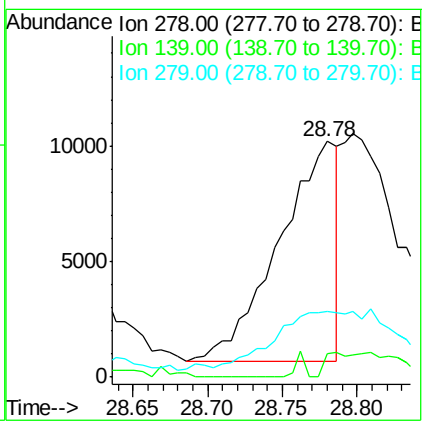


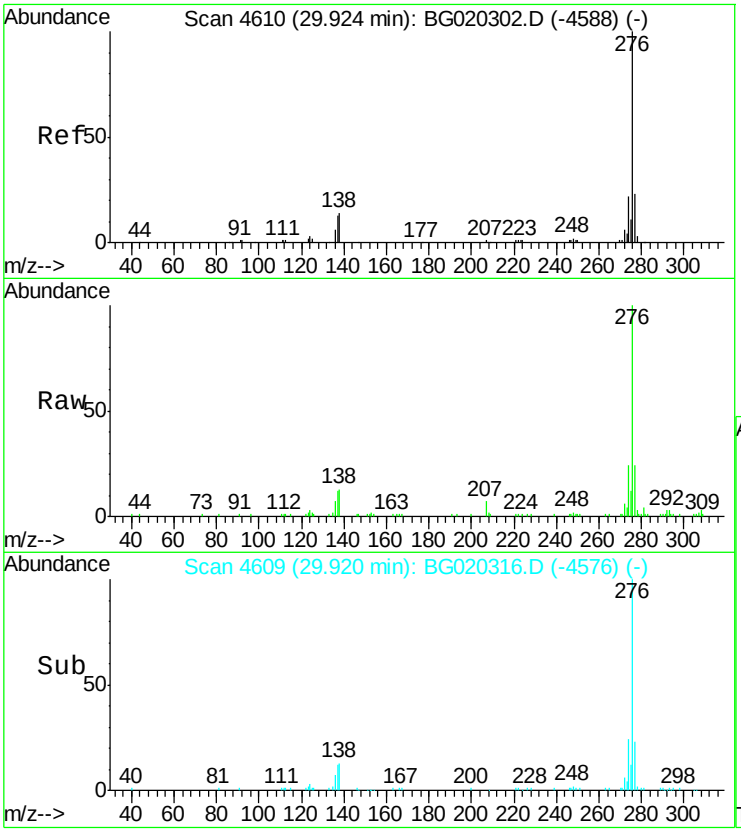


#93
Dibenzo(a,h)anthracene
Concen: 2.53 ng/ul
RT: 28.78 min Scan# 4415
Delta R.T. -0.04 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Tgt Ion:278 Resp: 25893

Ion	Ratio	Lower	Upper
278	100		
139	9.8	9.4	14.2
279	27.8	19.4	29.0





#94
Benzo(g,h,i)perylene
Concen: 12.57 ng/ul
RT: 29.92 min Scan# 4609
Delta R.T. -0.00 min
Lab File: BG020316.D
Acq: 19 Dec 2015 17:50

Instrument :
BNA_G
ClientSampleId :
D9N73

Tgt Ion:276 Resp: 127026

Ion	Ratio	Lower	Upper
276	100		
138	12.8	10.8	16.2
277	23.9	19.9	29.9