Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020237.D
Acq On : 17 Dec 2015 1:28
Operator : UM/SJ
Sample : G4767-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34

Quant Time: Dec 17 04:00:50 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 03:53:00 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	24938	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	113150	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	83030	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	169579	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	192254	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	188071	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	1242	2.75	ng/uL	0.00
5) Phenol-d5	7.25	99	34501	15.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	21270	16.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	26354	16.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	30696	16.32	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	15983	18.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	18416	18.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	32334	16.26	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	44464	19.91	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	107942	16.07	ng/ul	0.00
47) Acenaphthylene-d8	14.43	160	125007	16.00	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	15754	13.08	ng/ul	0.00
58) Fluorene-d10	15.72	176	94871	15.57	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.85	200	5980	5.95	ng/ul	0.03
71) Anthracene-d10	17.59	188	136744	17.50	ng/ul	0.03
79) Pyrene-d10	19.86	212	154321	17.22	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	170840	18.21	ng/ul	0.00
Target Compounds						Qvalue
8) Bis(2-Chloroethyl)ether	7.53	93	3629	2.25	ng/ul#	19
14) Acetophenone	8.92	105	3610	1.23	ng/ul	96
17) Hexachloroethane	9.21	117	3271	4.65	ng/ul#	1
28) Naphthalene	11.00	128	3908083	661.39	ng/ul#	72
30) 4-Chloroaniline	11.00	127	771058	338.23	ng/ul#	14
34) 2-Methylnaphthalene	12.59	142	1803605	399.61	ng/ul	99
35) 1-Methylnaphthalene	12.79	142	920054	212.04	ng/ul#	95
41) 1,1'-Biphenyl	13.57	154	654654	104.51	ng/ul	99
43) 2-Nitroaniline	13.76	65	4138	2.43	ng/ul#	30
45) Dimethylphthalate	14.18	163	47850	6.98	ng/ul	98
48) Acenaphthylene	14.46	152	121431	14.63	ng/ul#	93
50) Acenaphthene	14.82	153	2357800	422.14	ng/ul#	89
54) Dibenzofuran	15.14	168	2288804	275.47	ng/ul#	80
55) 2,4-Dinitrotoluene	15.08	165	5850	2.81	ng/ul#	31
59) Fluorene	15.80	166	2265247	339.50	ng/ul#	97
61) 4-Nitroaniline	15.80	138	35723	23.99	ng/ul#	13
65) N-Nitrosodiphenylamine	15.98	169	14589	3.09	ng/ul#	1
70) Phenanthrene	17.62	178	878768	94.74	ng/ul	97
72) Anthracene	17.62	178	880347	93.57	ng/ul	94
75) Carbazole	17.88	167	421112	53.27	ng/ul	97
80) Pyrene	19.90	202	2852250	245.12	ng/ul#	86
83) Benzo(a)anthracene	21.73	228	958053	85.40	ng/ul	94
85) Chrysene	21.73	228	947179	89.65	ng/ul	97

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020237.D
Acq On : 17 Dec 2015 1:28
Operator : UM/SJ
Sample : G4767-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N34

Quant Time: Dec 17 04:00:50 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 03:53:00 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(b)fluoranthene	23.99	252	429954	37.98	ng/ul	96
89) Benzo(k)fluoranthene	23.99	252	429954	39.58	ng/ul	99
91) Benzo(a)pyrene	24.86	252	235769	21.97	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.73	276	68303	5.35	ng/ul#	90
94) Benzo(g,h,i)perylene	29.89	276	45510	4.34	ng/ul	95

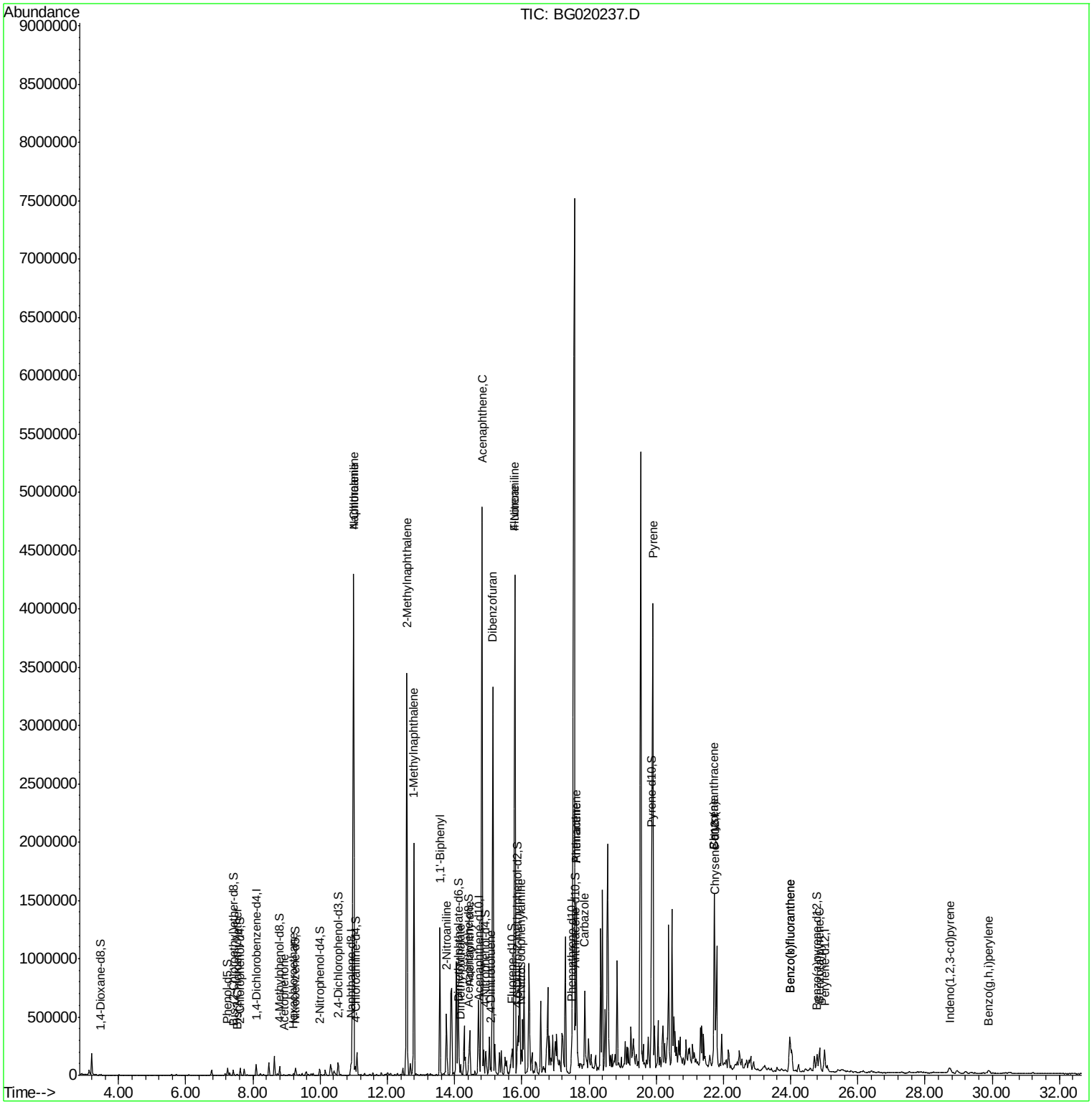
(#) = qualifier out of range (m) = manual integration (+) = signals summed

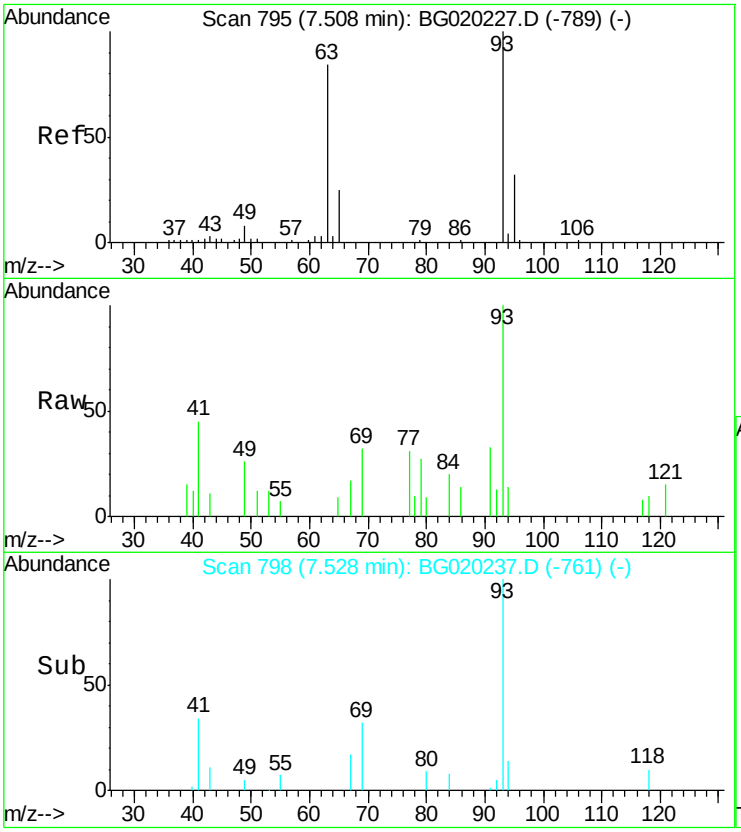
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020237.D
Acq On : 17 Dec 2015 1:28
Operator : UM/SJ
Sample : G4767-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N34

Quant Time: Dec 17 04:00:50 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 03:53:00 2015
Response via : Initial Calibration



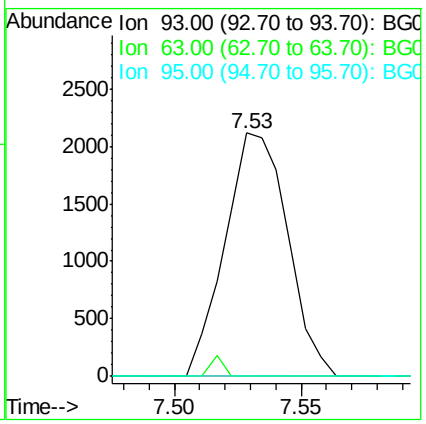


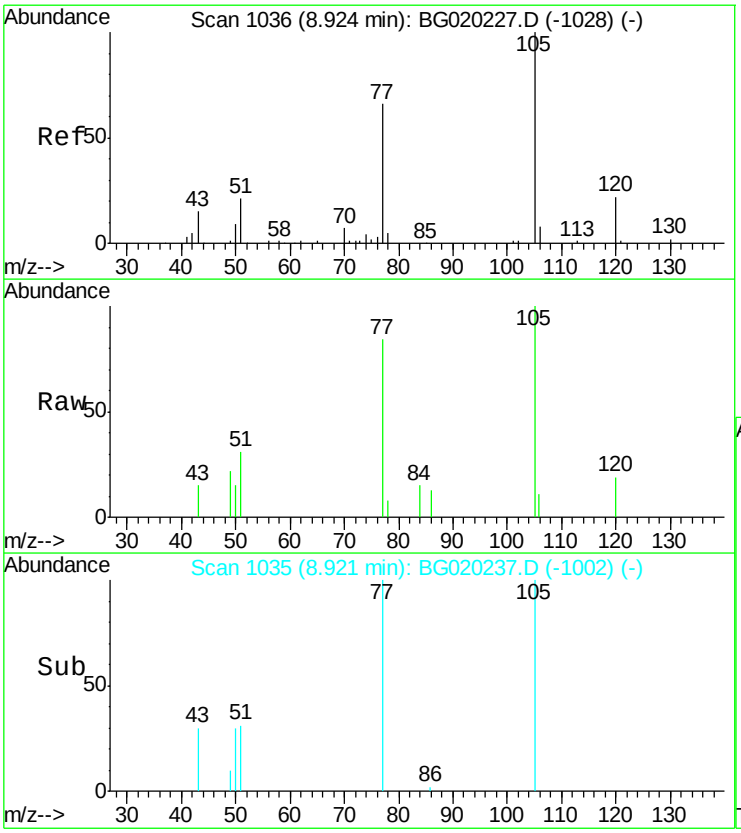
#8
Bis(2-Chloroethyl)ether
Concen: 2.25 ng/ul
RT: 7.53 min Scan# 798
Delta R.T. 0.02 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion: 93 Resp: 3629

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

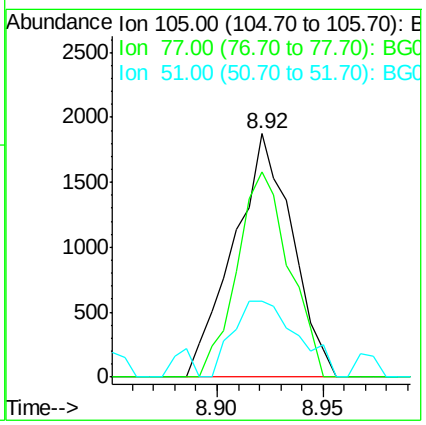


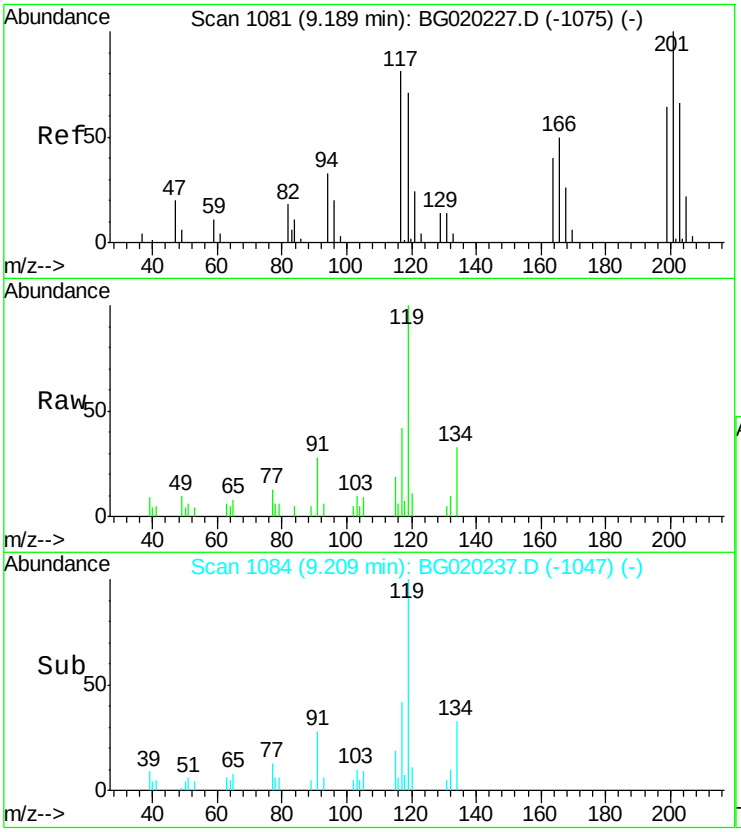


#14
Acetophenone
Concen: 1.23 ng/ul
RT: 8.92 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:105 Resp: 3610

Ion	Ratio	Lower	Upper
105	100		
77	84.2	65.2	97.8
51	31.3	22.6	33.8



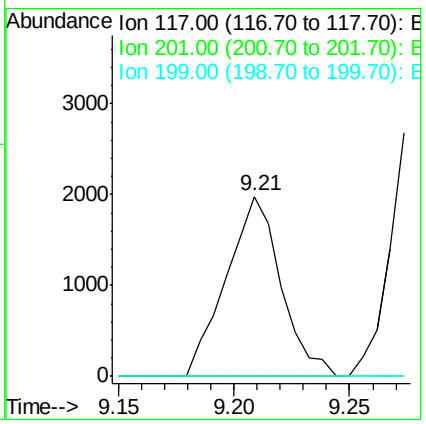


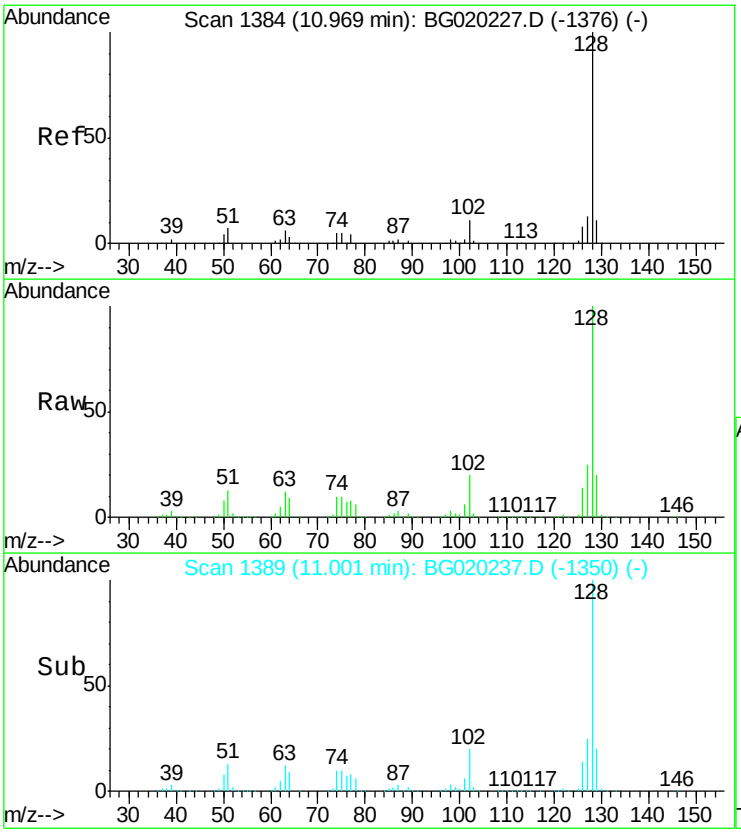
#17
Hexachloroethane
Concen: 4.65 ng/ul
RT: 9.21 min Scan# 1084
Delta R.T. 0.02 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:117 Resp: 3271

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

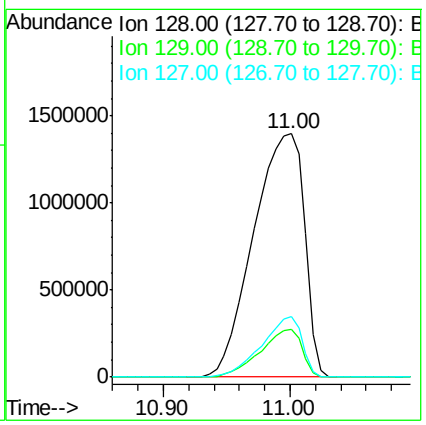


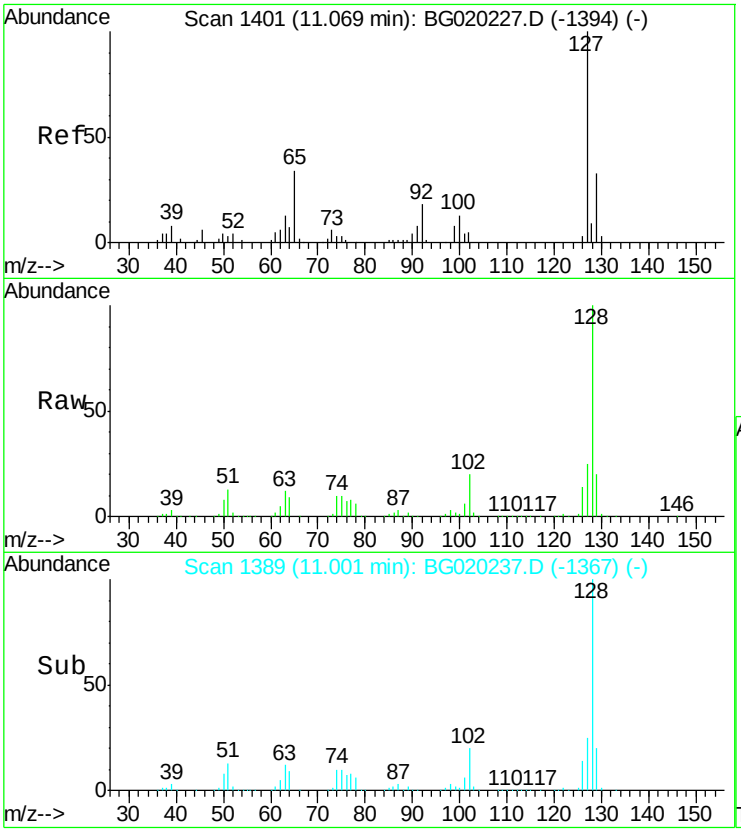


#28
Naphthalene
Concen: 661.39 ng/ul
RT: 11.00 min Scan# 1389
Delta R.T. 0.03 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:128 Resp: 3908083

Ion	Ratio	Lower	Upper
128	100		
129	19.8	8.6	12.8#
127	24.7	10.1	15.1#



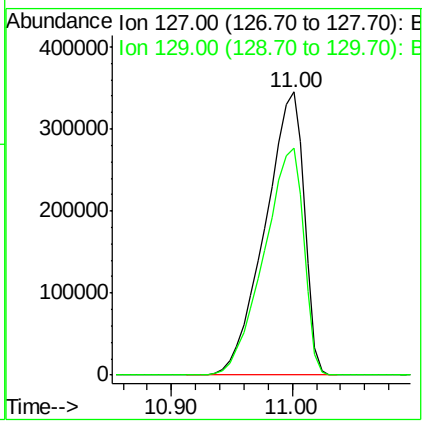


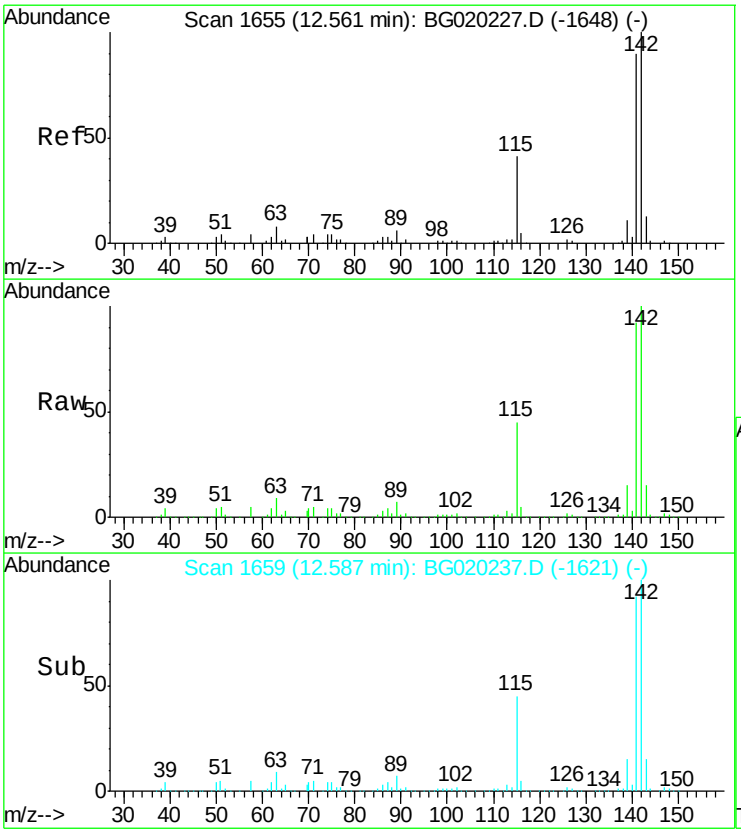
#30
4-Chloroaniline
Concen: 338.23 ng/ul
RT: 11.00 min Scan# 1389
Delta R.T. -0.07 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:127 Resp: 771058

Ion	Ratio	Lower	Upper
127	100		
129	80.3	25.7	38.5#

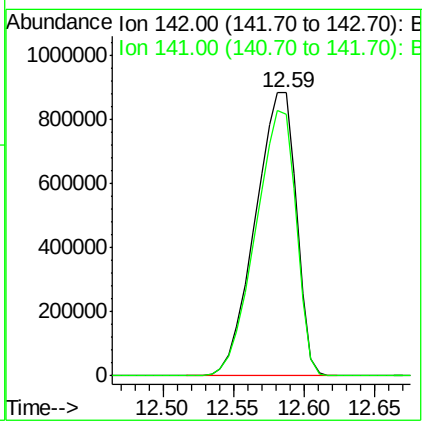


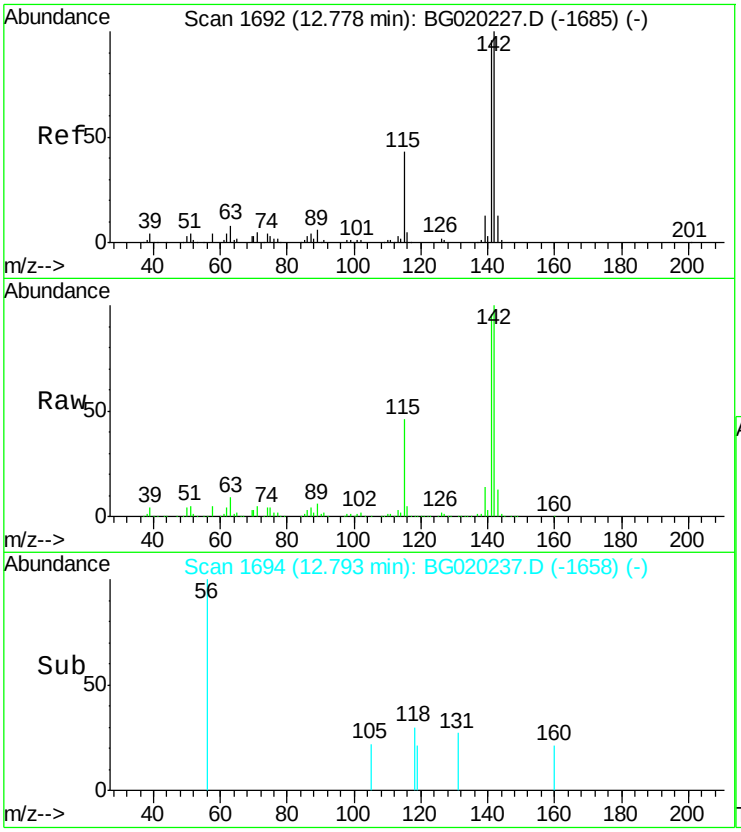


#34
2-Methylnaphthalene
Concen: 399.61 ng/ul
RT: 12.59 min Scan# 1659
Delta R.T. 0.03 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:142 Resp: 1803605

Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.9	112.3



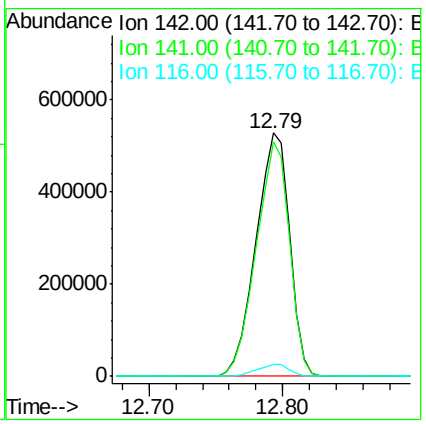


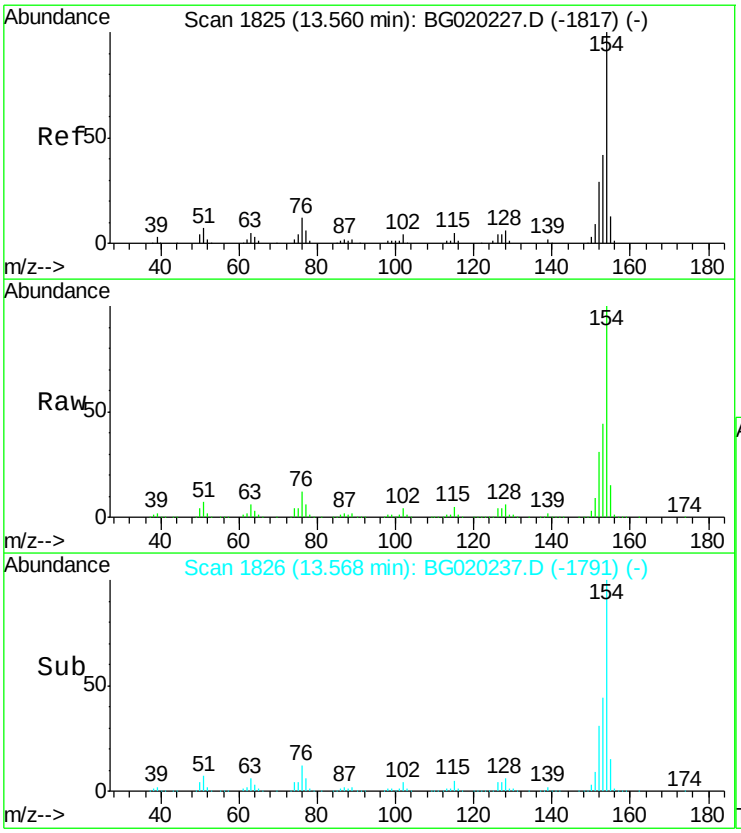
#35
1-Methylnaphthalene
Concen: 212.04 ng/ul
RT: 12.79 min Scan# 1694
Delta R.T. 0.01 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:142 Resp: 920054

Ion	Ratio	Lower	Upper
142	100		
141	96.2	73.0	109.6
116	5.0	3.0	4.6#

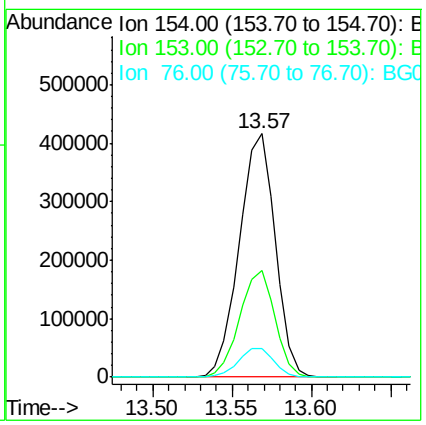


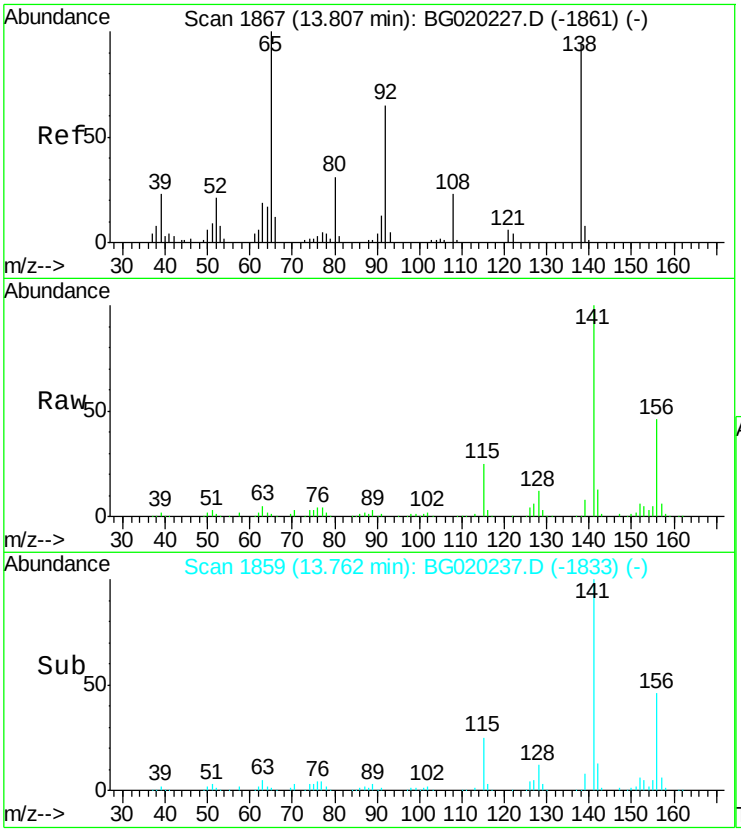


#41
1,1'-Biphenyl
Concen: 104.51 ng/ul
RT: 13.57 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:154 Resp: 654654

Ion	Ratio	Lower	Upper
154	100		
153	43.9	35.5	53.3
76	11.7	10.4	15.6



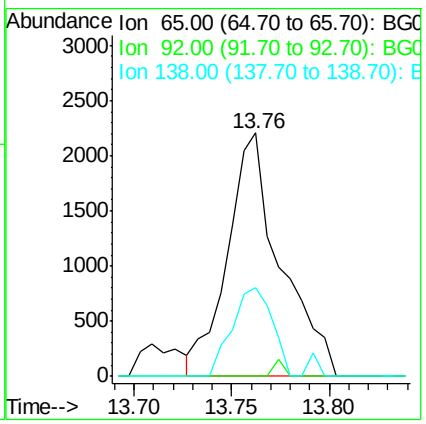


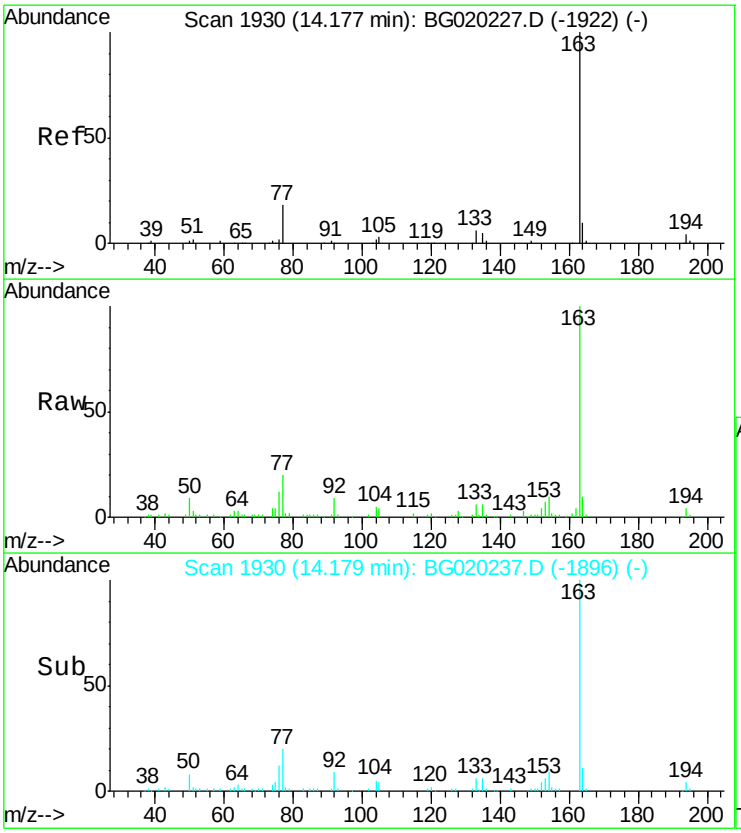
#43
2-Nitroaniline
Concen: 2.43 ng/ul
RT: 13.76 min Scan# 1859
Delta R.T. -0.04 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion: 65 Resp: 4138

Ion	Ratio	Lower	Upper
65	100		
92	0.0	53.1	79.7#
138	36.3	76.6	114.8#

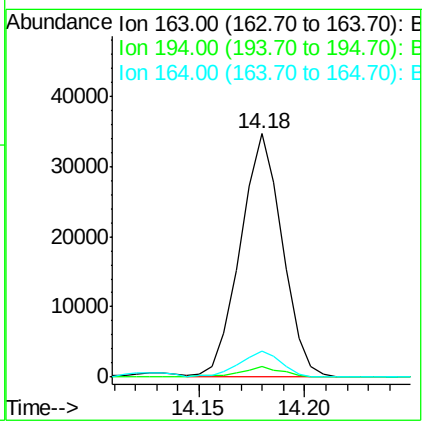


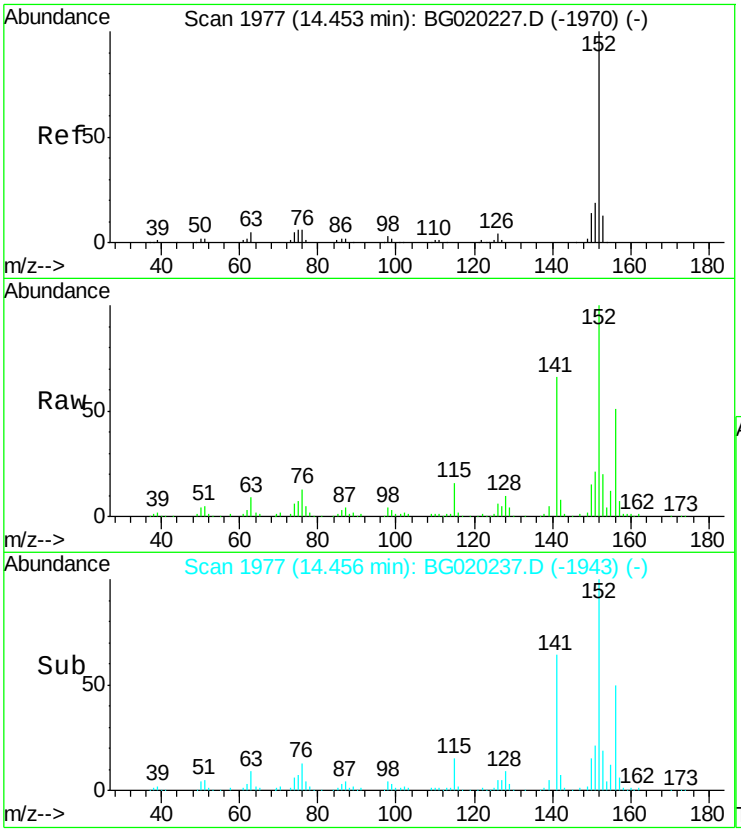


#45
Dimethylphthalate
Concen: 6.98 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. 0.00 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:163 Resp: 47850

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.5	7.7	11.5



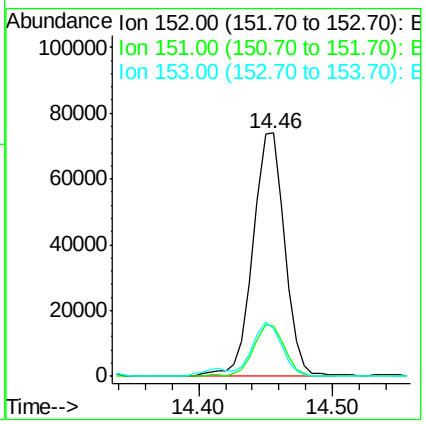


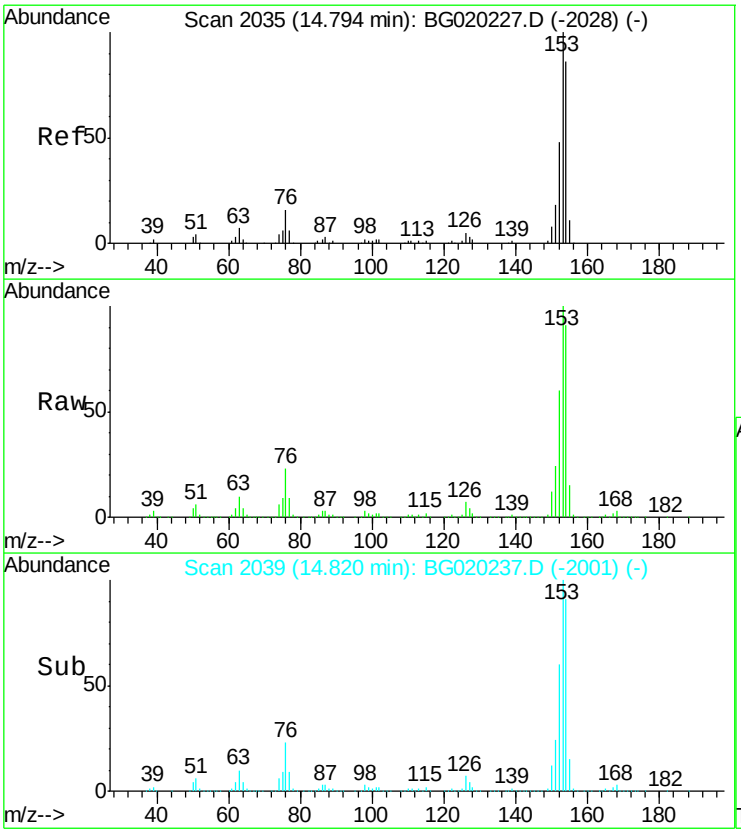
#48
Acenaphthylene
Concen: 14.63 ng/ul
RT: 14.46 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:152 Resp: 121431

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.4	24.6
153	19.8	10.4	15.6#

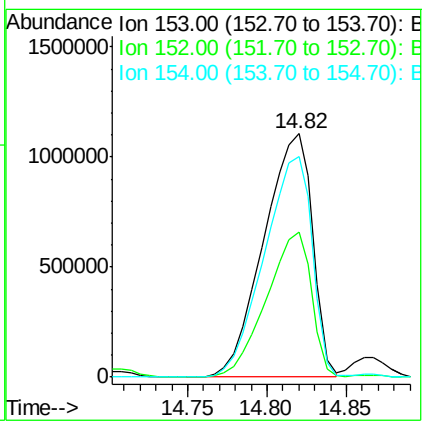


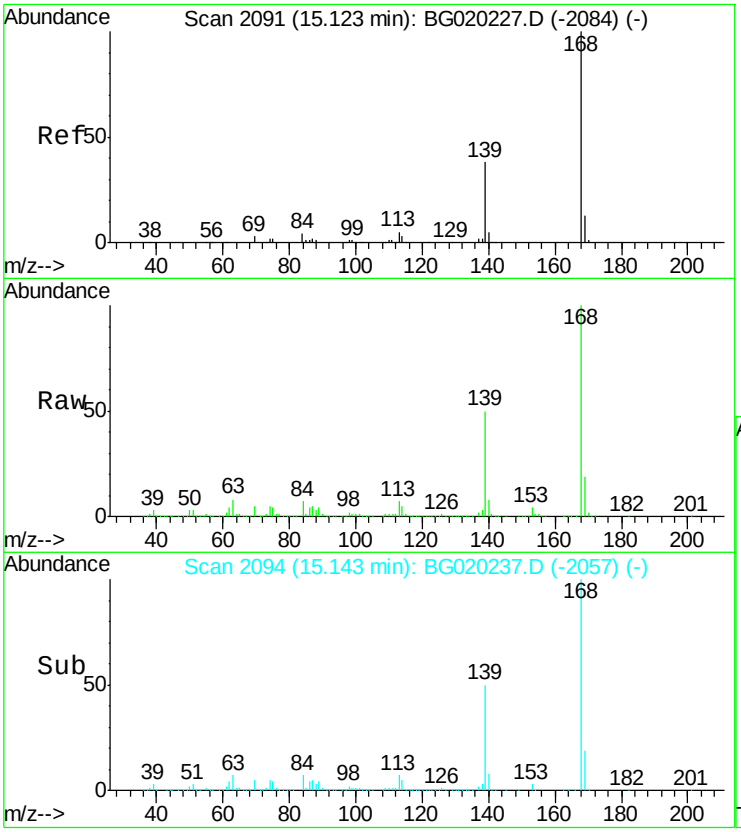


#50
Acenaphthene
Concen: 422.14 ng/ul
RT: 14.82 min Scan# 2039
Delta R.T. 0.03 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:153 Resp: 2357800

Ion	Ratio	Lower	Upper
153	100		
152	59.6	37.6	56.4#
154	90.6	67.9	101.9



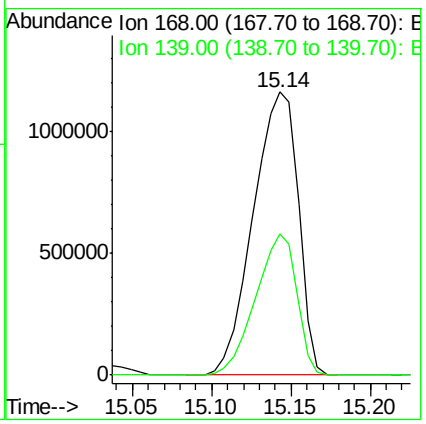


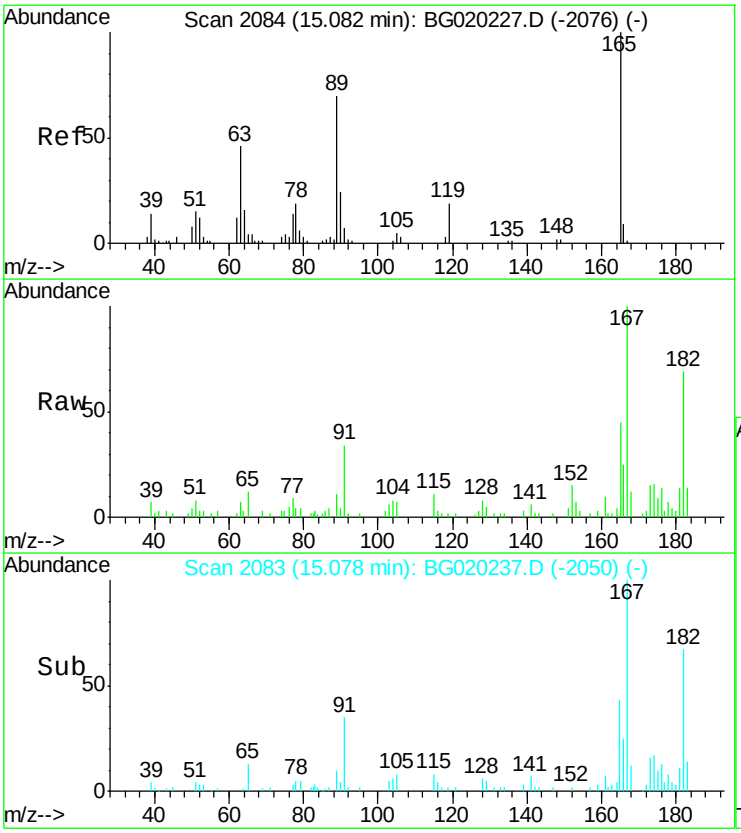
#54
Dibenzofuran
Concen: 275.47 ng/ul
RT: 15.14 min Scan# 2094
Delta R.T. 0.02 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:168 Resp: 2288804

Ion	Ratio	Lower	Upper
168	100		
139	50.1	30.5	45.7#

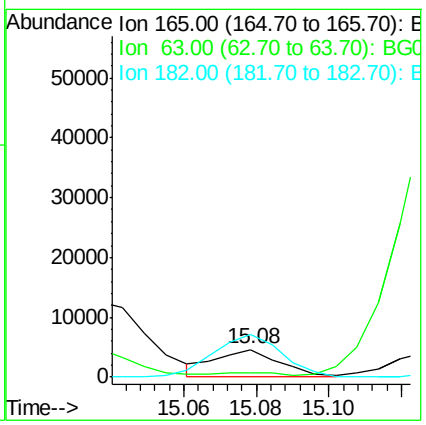


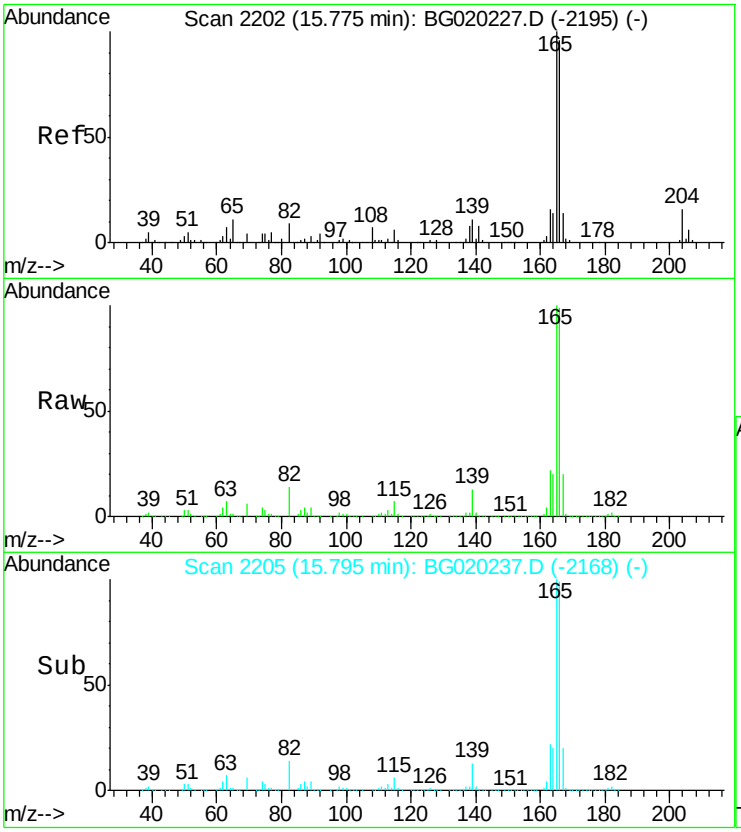


#55
2,4-Dinitrotoluene
Concen: 2.81 ng/ul
RT: 15.08 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:165 Resp: 5850

Ion	Ratio	Lower	Upper
165	100		
63	15.1	35.8	53.8#
182	154.3	2.2	3.2#



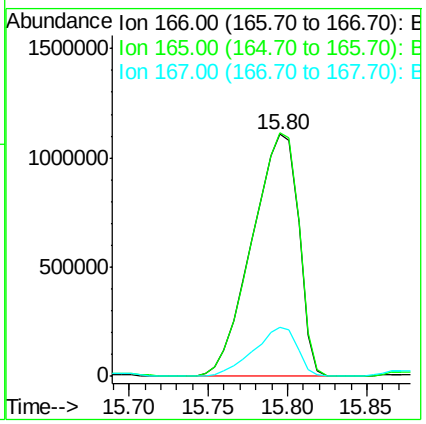


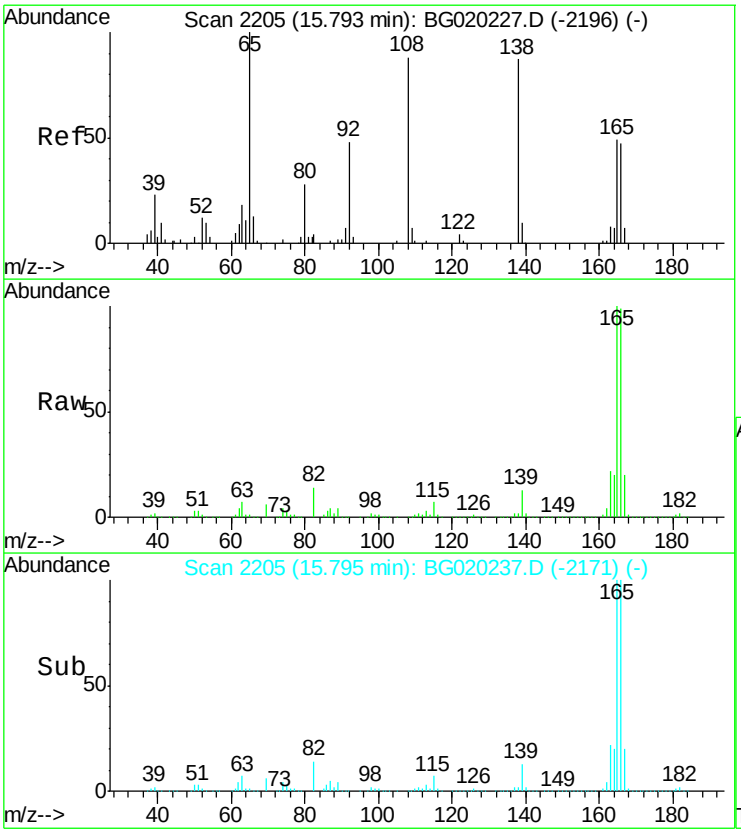
#59
Fluorene
Concen: 339.50 ng/ul
RT: 15.80 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:166 Resp: 2265247

Ion	Ratio	Lower	Upper
166	100		
165	100.7	81.4	122.0
167	20.2	11.2	16.8#

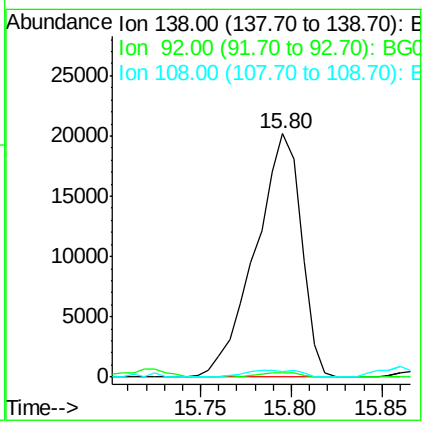


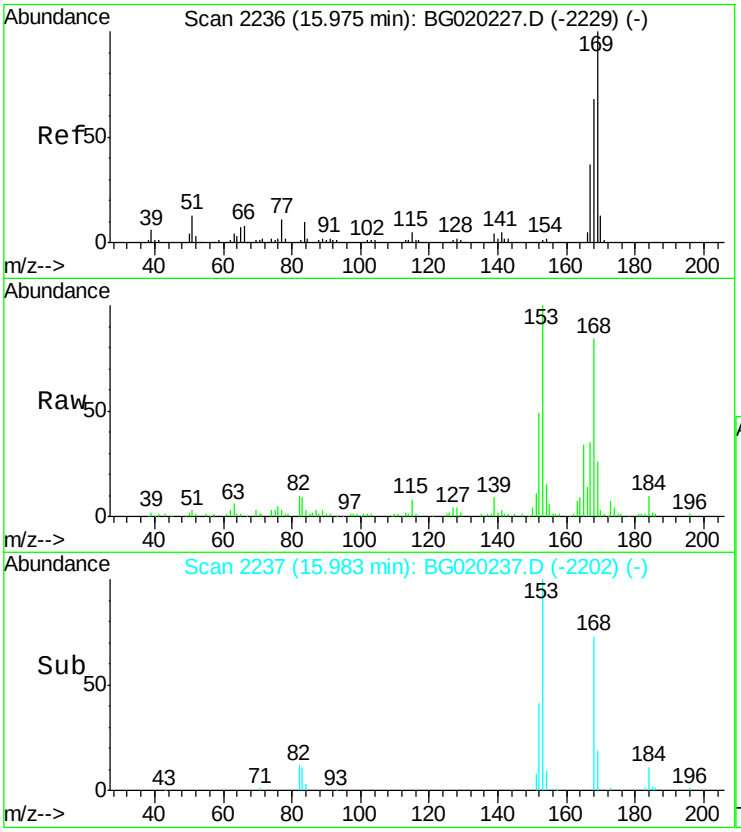


#61
4-Nitroaniline
Concen: 23.99 ng/ul
RT: 15.80 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:138 Resp: 35723

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



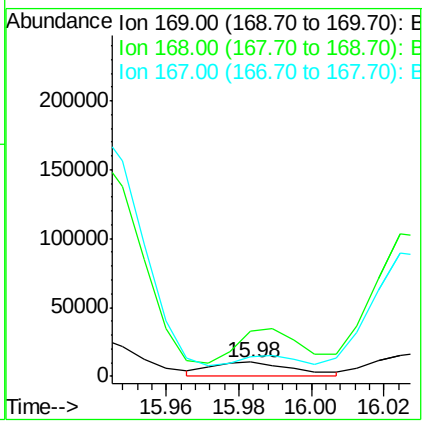


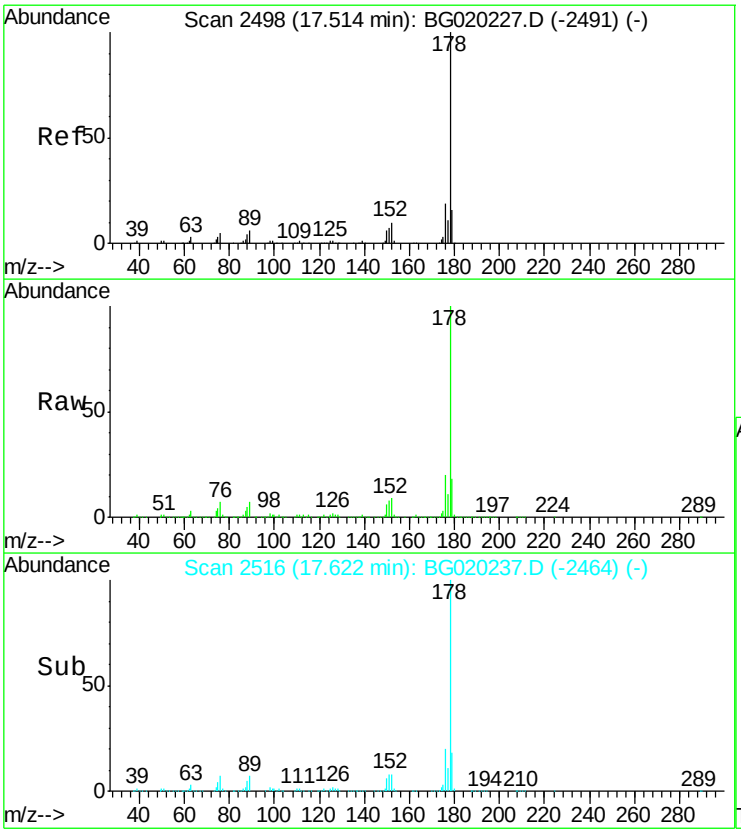
#65
N-Nitrosodiphenylamine
Concen: 3.09 ng/ul
RT: 15.98 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:169 Resp: 14589

Ion	Ratio	Lower	Upper
169	100		
168	326.8	54.3	81.5#
167	137.0	31.8	47.8#

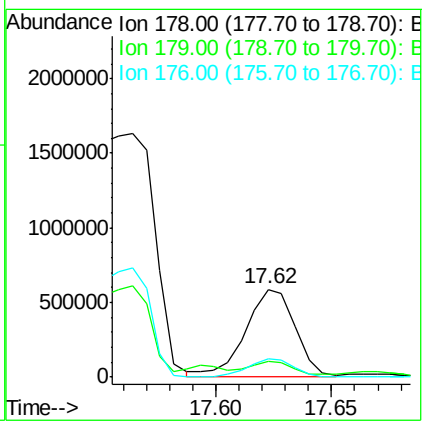


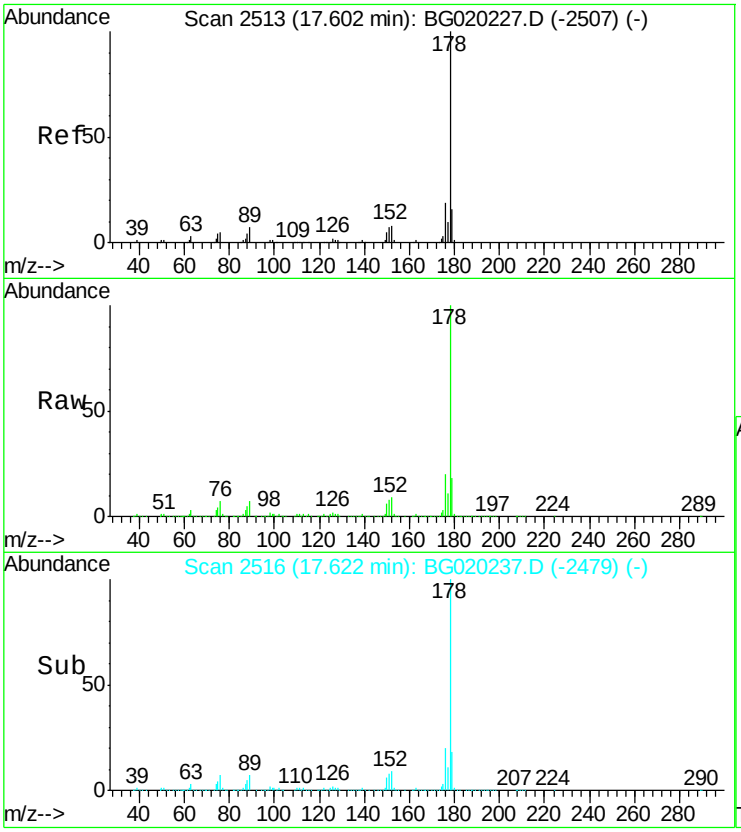


#70
Phenanthrene
Concen: 94.74 ng/ul
RT: 17.62 min Scan# 2516
Delta R.T. 0.11 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:178 Resp: 878768

Ion	Ratio	Lower	Upper
178	100		
179	17.9	12.9	19.3
176	20.3	15.3	22.9



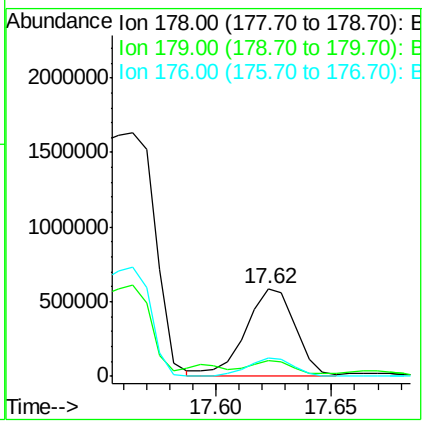


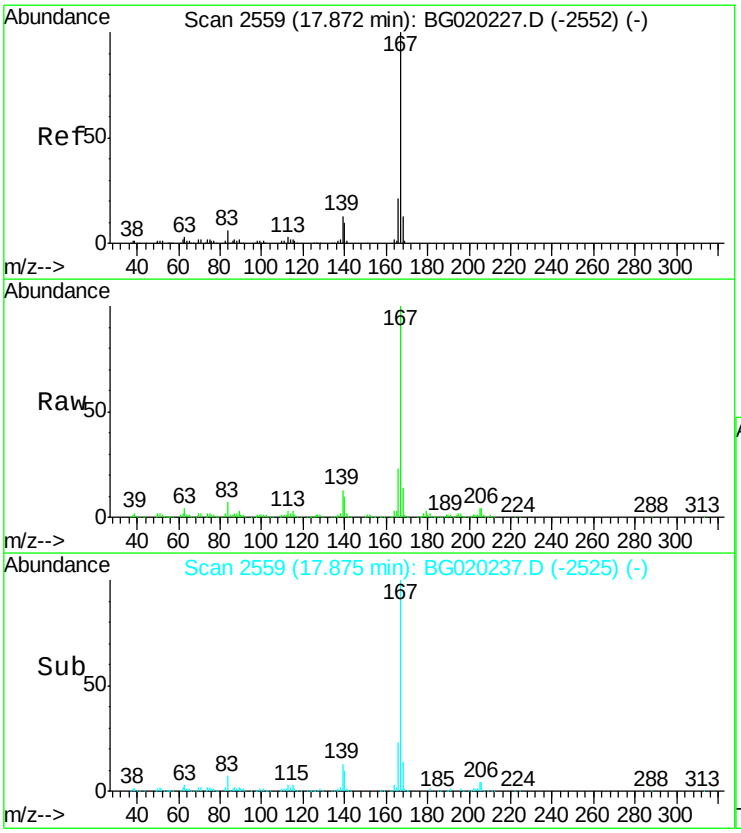
#72
Anthracene
Concen: 93.57 ng/ul
RT: 17.62 min Scan# 2516
Delta R.T. 0.02 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:178 Resp: 880347

Ion	Ratio	Lower	Upper
178	100		
179	17.9	12.3	18.5
176	20.3	14.3	21.5

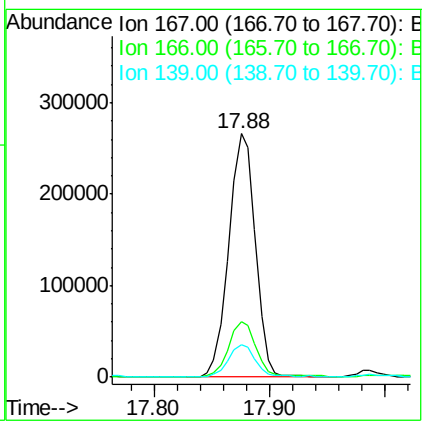


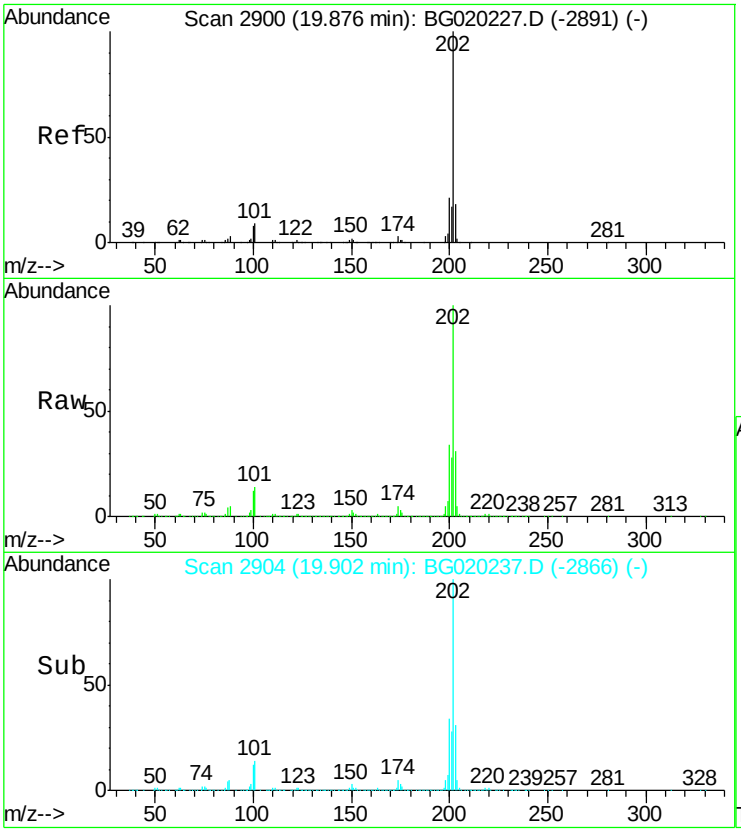


#75
Carbazole
Concen: 53.27 ng/ul
RT: 17.88 min Scan# 2559
Delta R.T. 0.00 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:167 Resp: 421112

Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.0	25.6
139	13.1	10.1	15.1



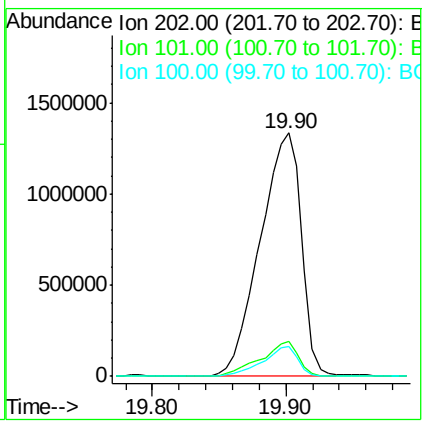


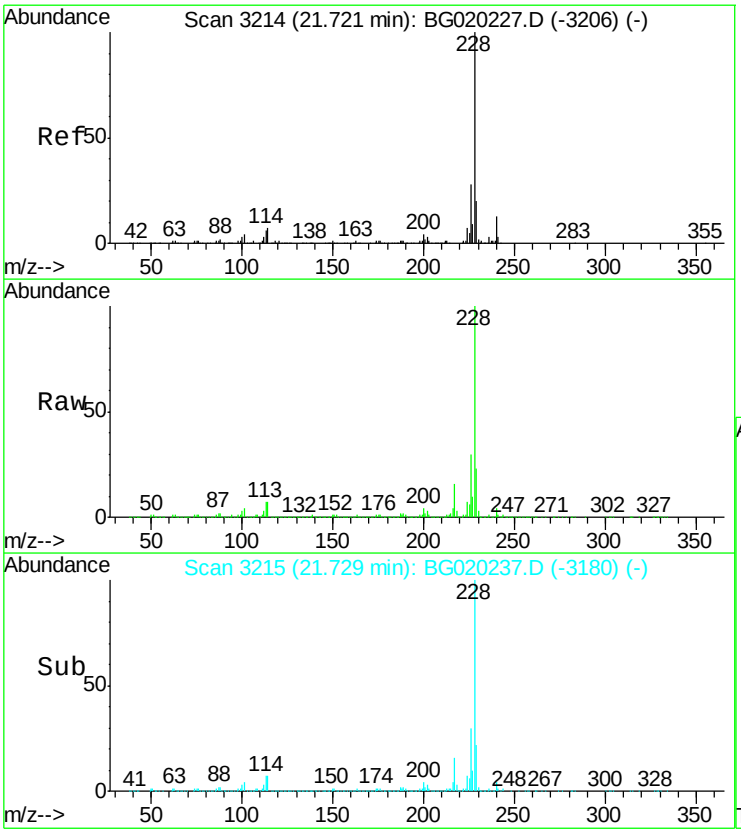
#80
Pyrene
Concen: 245.12 ng/ul
RT: 19.90 min Scan# 2904
Delta R.T. 0.03 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:202 Resp: 2852250

Ion	Ratio	Lower	Upper
202	100		
101	14.2	7.0	10.4#
100	12.2	6.4	9.6#

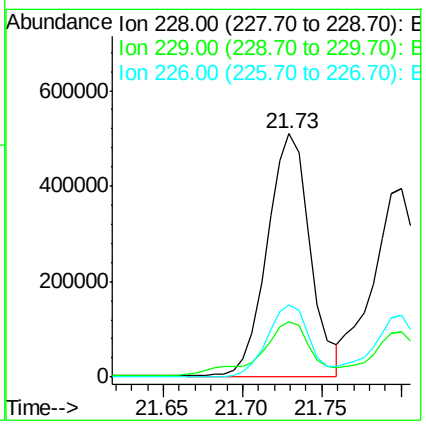


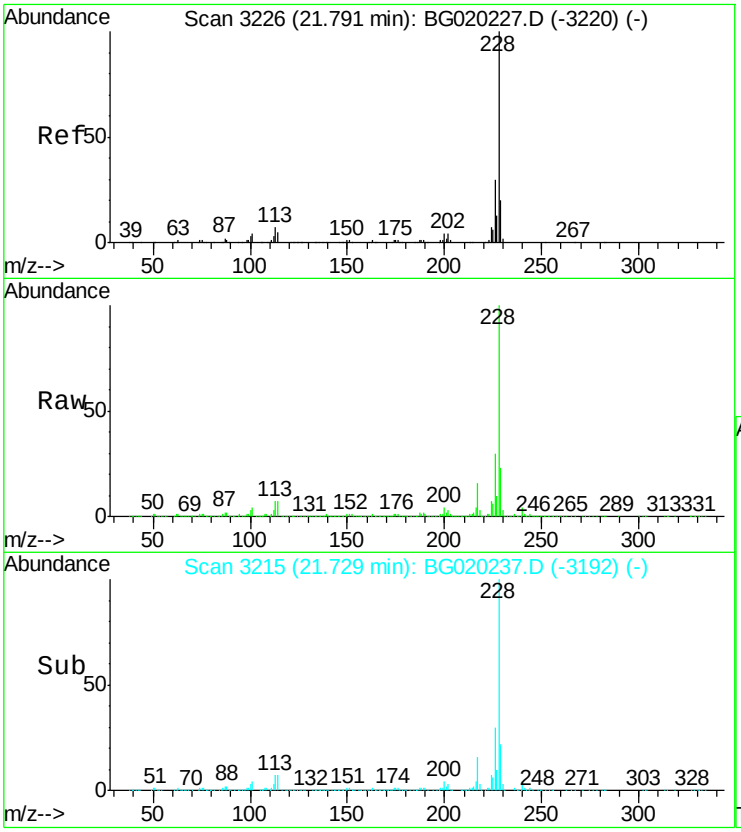


#83
Benzo(a)anthracene
Concen: 85.40 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.01 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:228 Resp: 958053

Ion	Ratio	Lower	Upper
228	100		
229	23.0	15.8	23.8
226	29.8	21.8	32.6



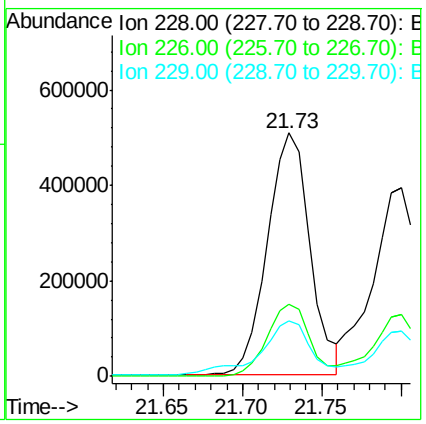


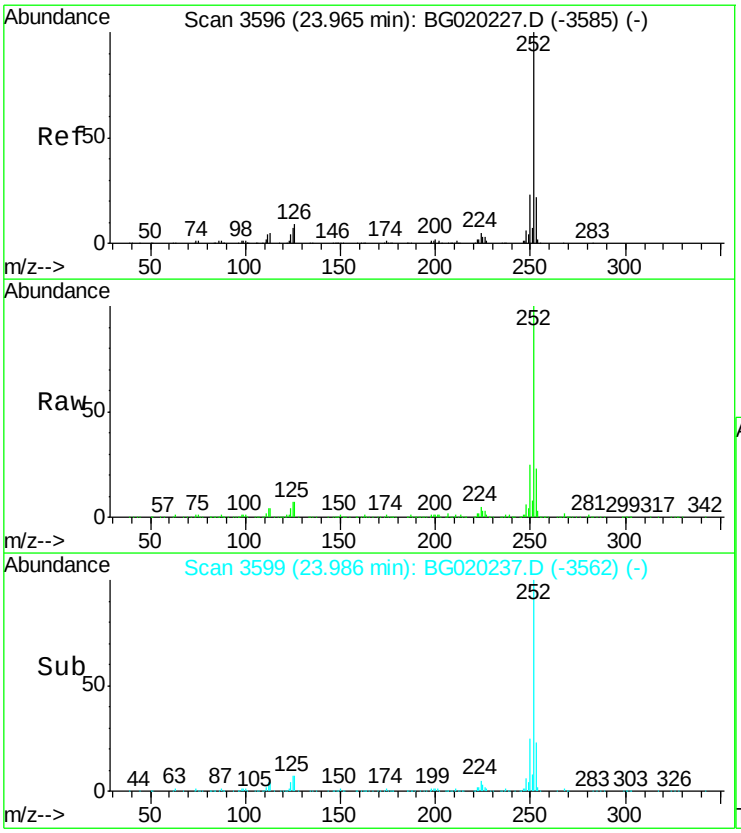
#85
Chrysene
Concen: 89.65 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. -0.06 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:228 Resp: 947179

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.9	35.9
229	23.0	15.6	23.4

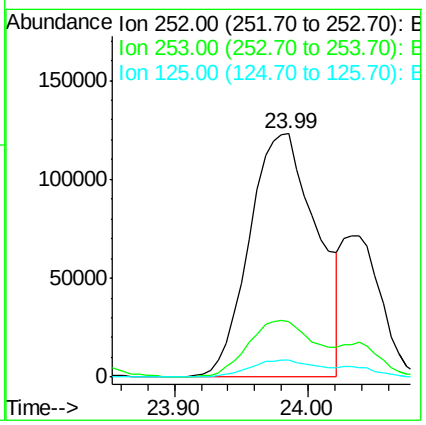


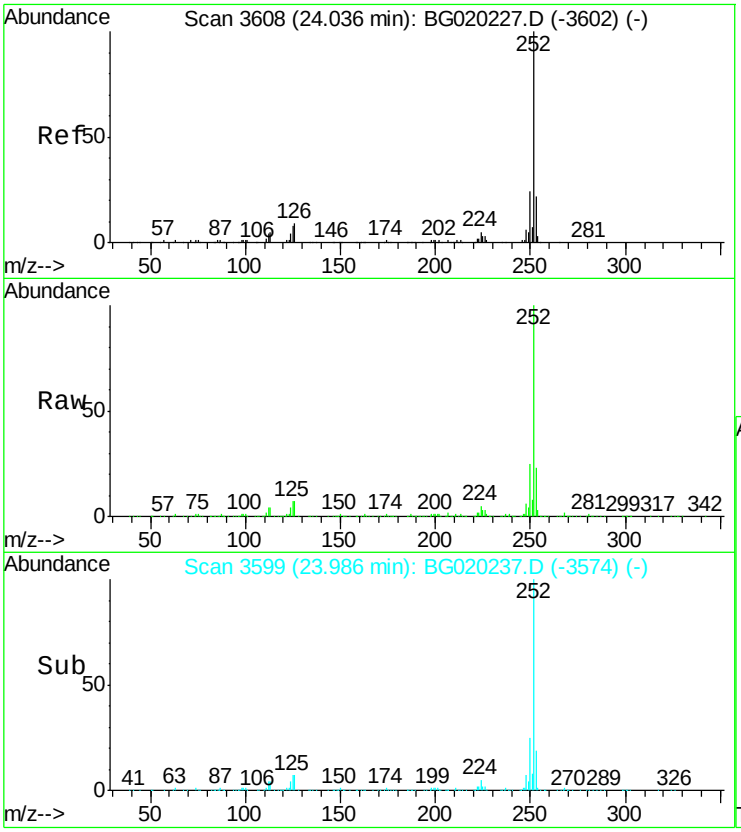


#88
Benzo(b)fluoranthene
Concen: 37.98 ng/ul
RT: 23.99 min Scan# 3599
Delta R.T. 0.02 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:252 Resp: 429954

Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.7	25.1
125	6.9	6.2	9.2



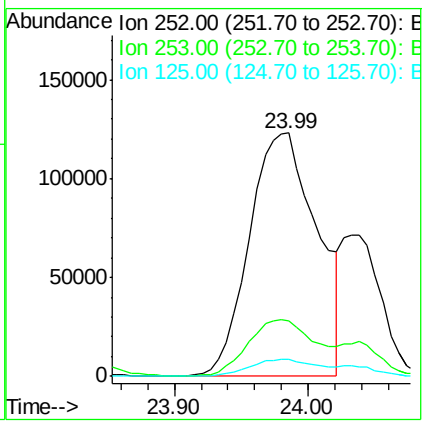


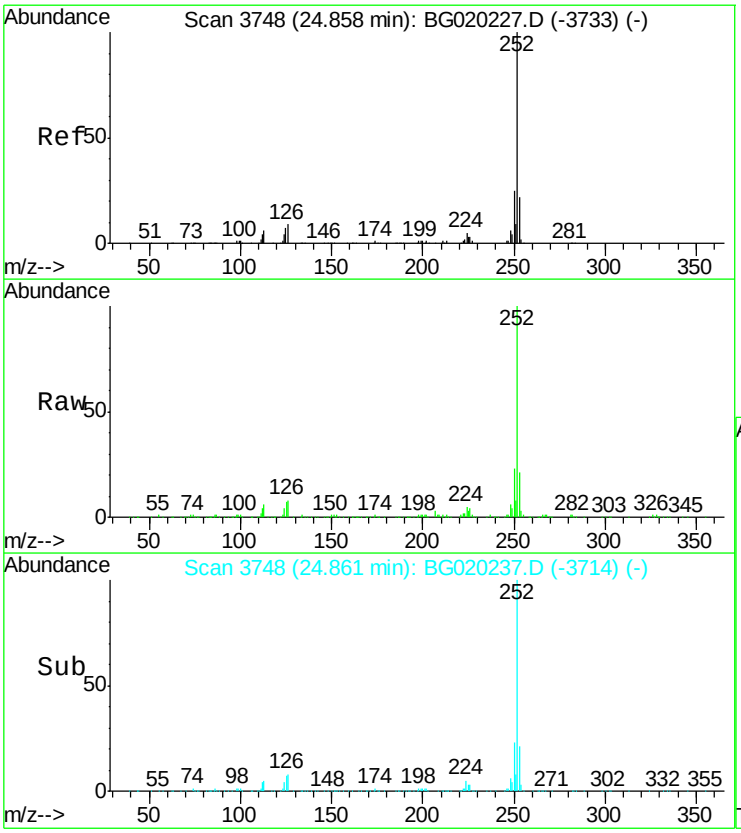
#89
Benzo(k)fluoranthene
Concen: 39.58 ng/ul
RT: 23.99 min Scan# 3599
Delta R.T. -0.05 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:252 Resp: 429954

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	6.9	5.8	8.6

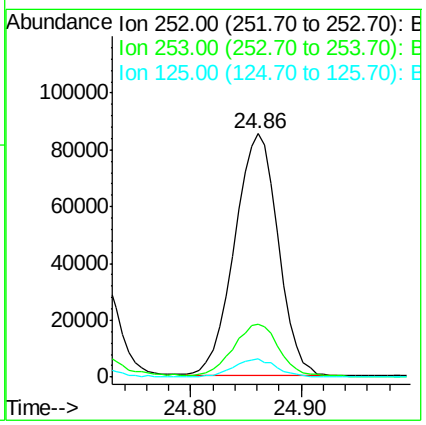


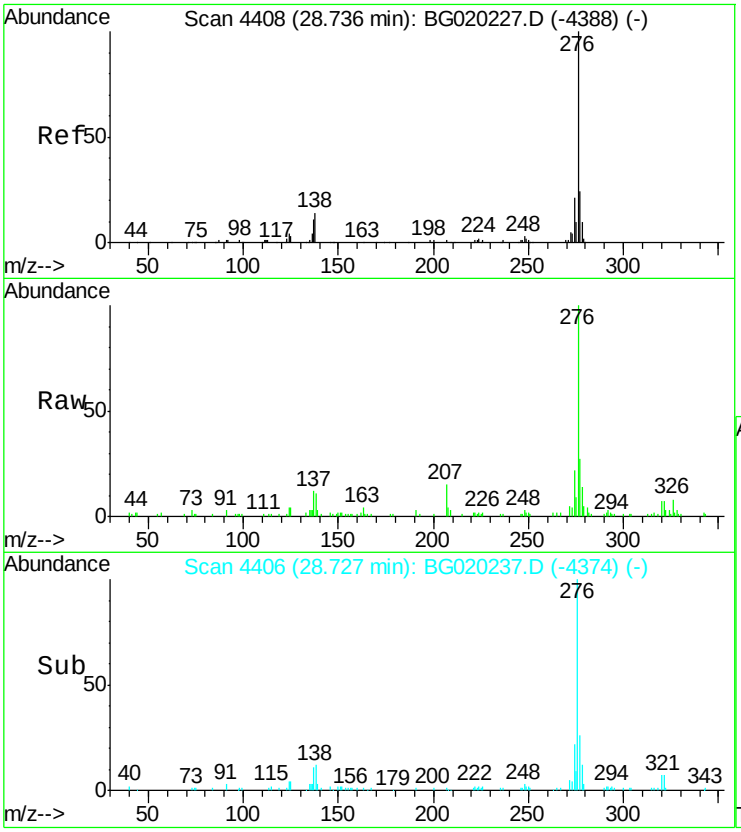


#91
Benzo(a)pyrene
Concen: 21.97 ng/ul
RT: 24.86 min Scan# 3748
Delta R.T. 0.00 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:252 Resp: 235769

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.4
125	7.5	6.2	9.4



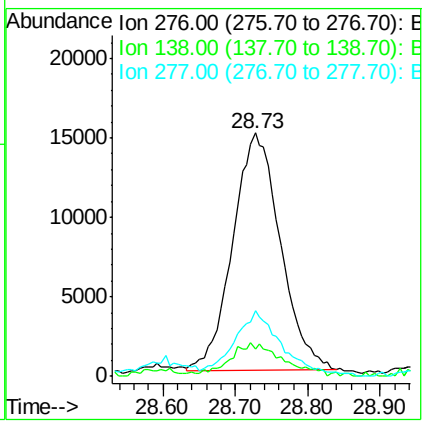


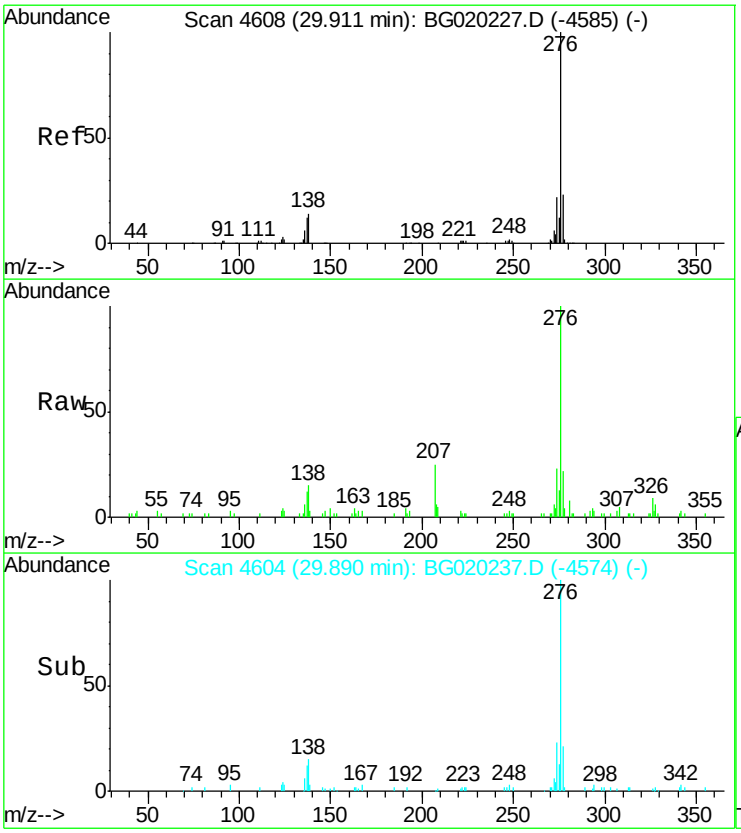
#92
Indeno(1,2,3-cd)pyrene
Concen: 5.35 ng/ul
RT: 28.73 min Scan# 4406
Delta R.T. -0.01 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:276 Resp: 68303

Ion	Ratio	Lower	Upper
276	100		
138	11.3	11.4	17.0#
277	27.1	17.4	26.0#





#94
Benzo(g,h,i)perylene
Concen: 4.34 ng/ul
RT: 29.89 min Scan# 4604
Delta R.T. -0.02 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:276 Resp: 45510

Ion	Ratio	Lower	Upper
276	100		
138	15.4	10.8	16.2
277	22.4	19.9	29.9