Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020356.D
Acq On : 20 Dec 2015 23:56
Operator : UM/SJ
Sample : G4848-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Time: Dec 21 02:01:15 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	23087	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	99188	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	70831	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	155640	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	201777	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	192548	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.46	96	1317	3.15	ng/uL	0.00
5) Phenol-d5	7.26	99	39317	19.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	24736	20.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	31756	21.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.81	113	34303	19.70	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	18410	23.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	21653	25.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	37110	21.29	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	40526	20.70	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	124567	21.74	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	143635	21.55	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	16192	15.76	ng/ul	0.00
58) Fluorene-d10	15.72	176	111373	21.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.86	200	12500	13.55	ng/ul	0.02
71) Anthracene-d10	17.59	188	162010	22.59	ng/ul	0.02
79) Pyrene-d10	19.86	212	195173	20.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	217930	22.69	ng/ul	0.00
Target Compounds						Qvalue
17) Hexachloroethane	9.21	117	1392	2.14	ng/ul#	1
28) Naphthalene	10.99	128	2995536	578.31	ng/ul#	82
30) 4-Chloroaniline	10.99	127	519979	260.20	ng/ul#	10
34) 2-Methylnaphthalene	12.57	142	1103840	278.99	ng/ul	99
35) 1-Methylnaphthalene	12.78	142	539992	141.96	ng/ul#	97
41) 1,1'-Biphenyl	13.56	154	476262	89.13	ng/ul	97
43) 2-Nitroaniline	13.76	65	2331	1.60	ng/ul#	29
45) Dimethylphthalate	14.18	163	53446	9.13	ng/ul	99
48) Acenaphthylene	14.45	152	145545	20.55	ng/ul#	96
50) Acenaphthene	14.81	153	1792691	376.24	ng/ul	92
54) Dibenzofuran	15.14	168	1800037	253.95	ng/ul#	87
55) 2,4-Dinitrotoluene	15.07	165	2953	1.66	ng/ul#	33
59) Fluorene	15.79	166	1734194	304.68	ng/ul#	98
61) 4-Nitroaniline	15.79	138	25347	19.95	ng/ul#	13
65) N-Nitrosodiphenylamine	15.98	169	9173	2.12	ng/ul#	1
70) Phenanthrene	17.62	178	585519	68.78	ng/ul	99
72) Anthracene	17.62	178	585519	67.81	ng/ul	97
75) Carbazole	17.88	167	397873	54.84	ng/ul	97
77) Fluoranthene	19.55	202	3562402	358.05	ng/ul#	77
80) Pyrene	19.91	202	2742676	224.58	ng/ul#	86
83) Benzo(a)anthracene	21.73	228	916666	77.86	ng/ul	95
85) Chrysene	21.80	228	726269	65.50	ng/ul	95
88) Benzo(b)fluoranthene	23.98	252	439361	37.91	ng/ul	96

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020356.D
Acq On : 20 Dec 2015 23:56
Operator : UM/SJ
Sample : G4848-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Time: Dec 21 02:01:15 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	23.98	252	439361	39.51	ng/ul	99
91) Benzo(a)pyrene	24.87	252	239973	21.84	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.75	276	66292	5.07	ng/ul	97
94) Benzo(g,h,i)perylene	29.92	276	43185	4.03	ng/ul	98

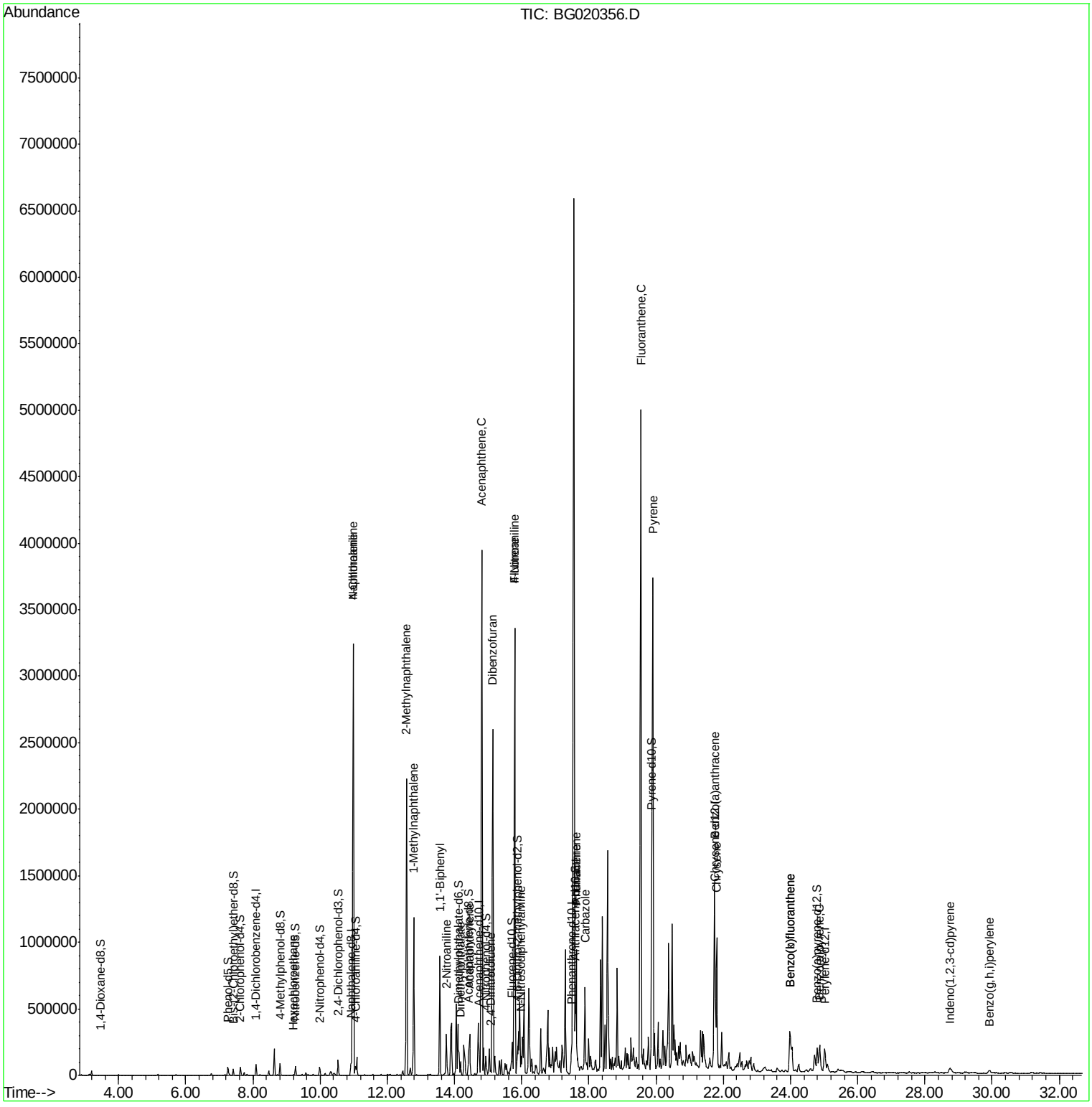
(#) = qualifier out of range (m) = manual integration (+) = signals summed

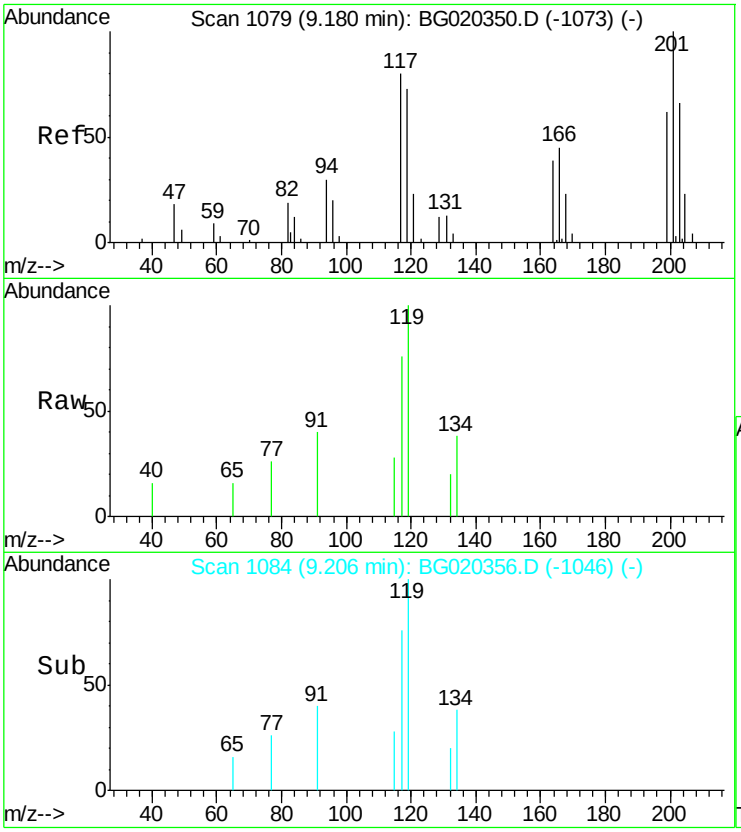
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020356.D
Acq On : 20 Dec 2015 23:56
Operator : UM/SJ
Sample : G4848-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N48

Quant Time: Dec 21 02:01:15 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration



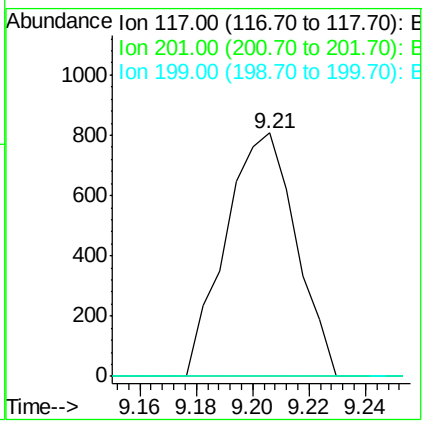


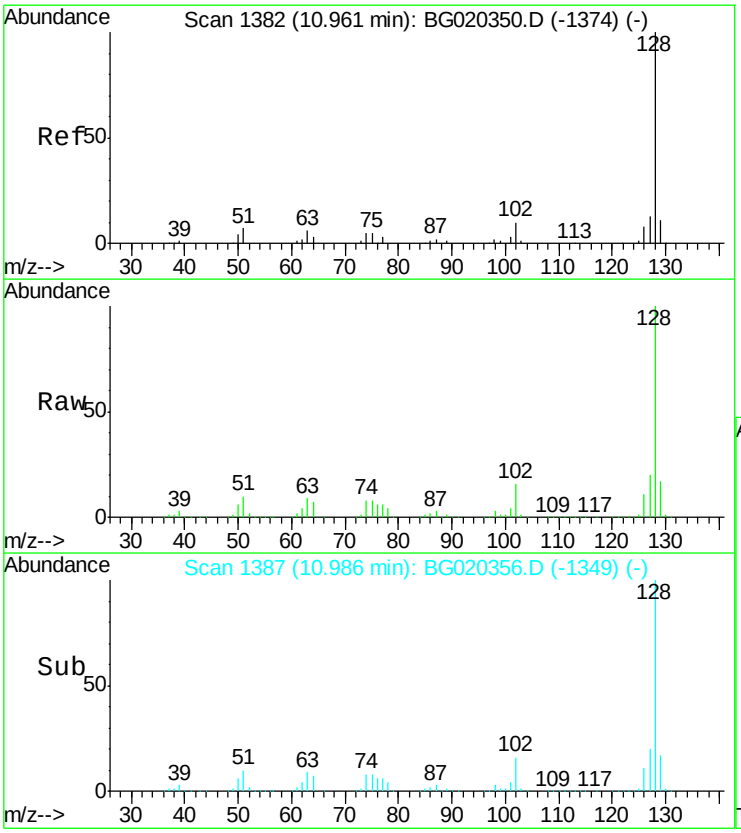
#17
Hexachloroethane
Concen: 2.14 ng/ul
RT: 9.21 min Scan# 1084
Delta R.T. 0.03 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tgt Ion:117 Resp: 1392

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

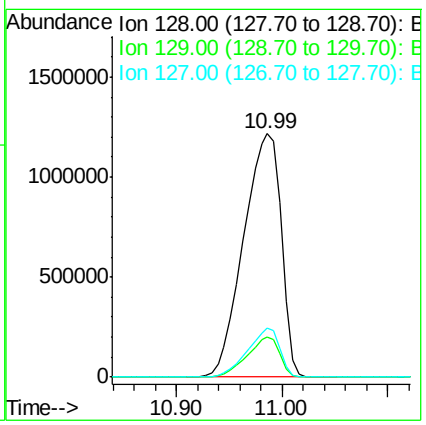


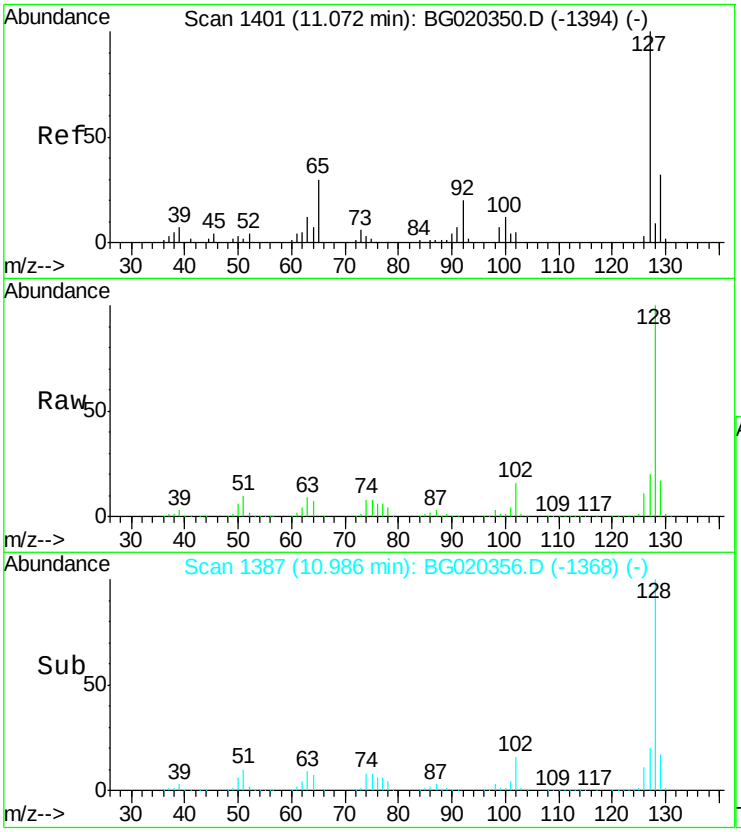


#28
Naphthalene
Concen: 578.31 ng/ul
RT: 10.99 min Scan# 1387
Delta R.T. 0.03 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion:128 Resp: 2995536

Ion	Ratio	Lower	Upper
128	100		
129	16.6	8.6	12.8#
127	20.1	10.1	15.1#



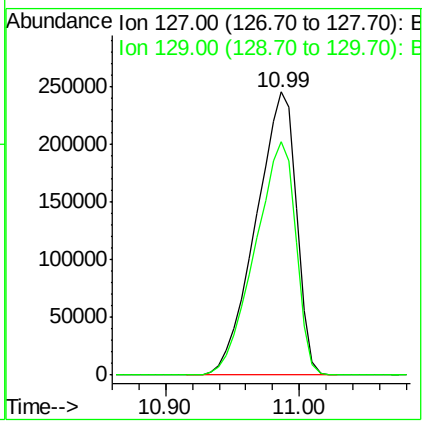


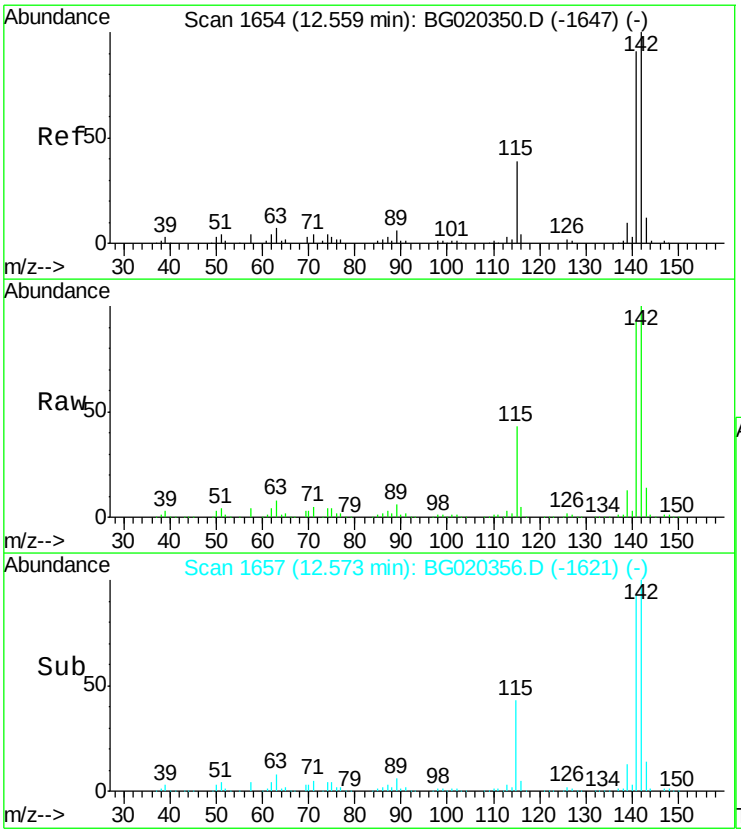
#30
4-Chloroaniline
Concen: 260.20 ng/ul
RT: 10.99 min Scan# 1387
Delta R.T. -0.09 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tgt Ion:127 Resp: 519979

Ion	Ratio	Lower	Upper
127	100		
129	82.6	25.7	38.5#

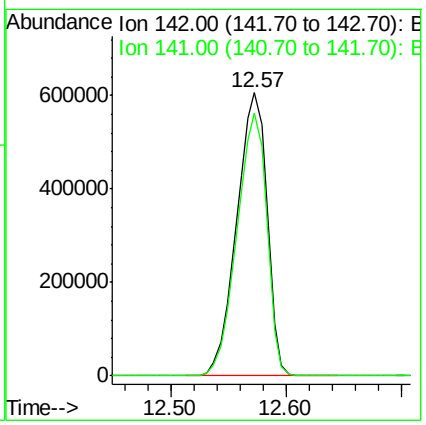


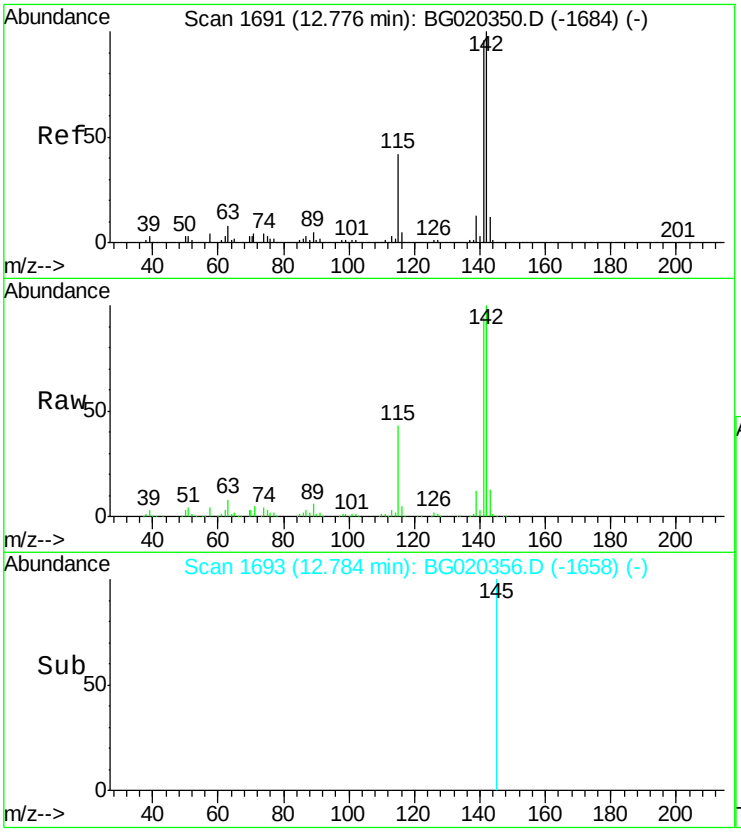


#34
2-Methylnaphthalene
Concen: 278.99 ng/ul
RT: 12.57 min Scan# 1657
Delta R.T. 0.01 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion:142 Resp: 1103840

Ion	Ratio	Lower	Upper
142	100		
141	93.0	74.9	112.3



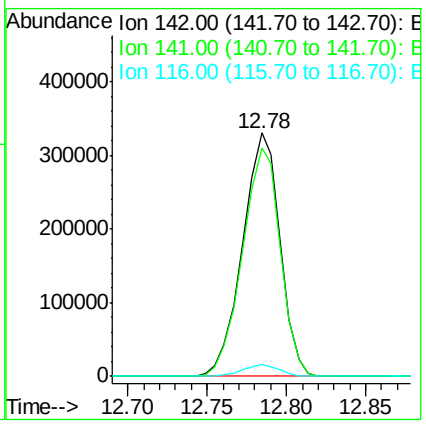


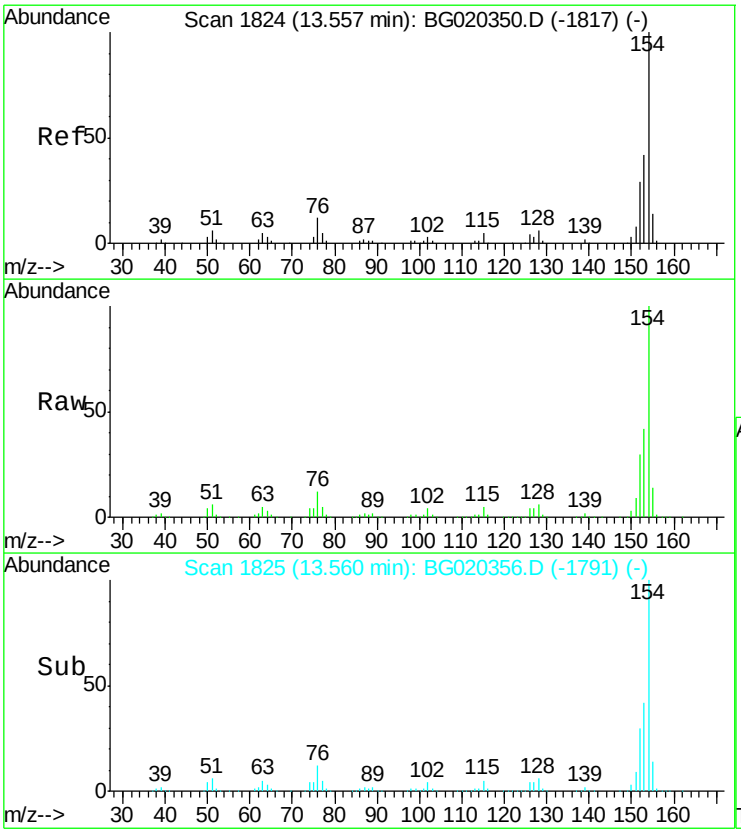
#35
1-Methylnaphthalene
Concen: 141.96 ng/ul
RT: 12.78 min Scan# 1693
Delta R.T. 0.01 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tgt Ion:142 Resp: 539992

Ion	Ratio	Lower	Upper
142	100		
141	93.7	73.0	109.6
116	4.8	3.0	4.6#

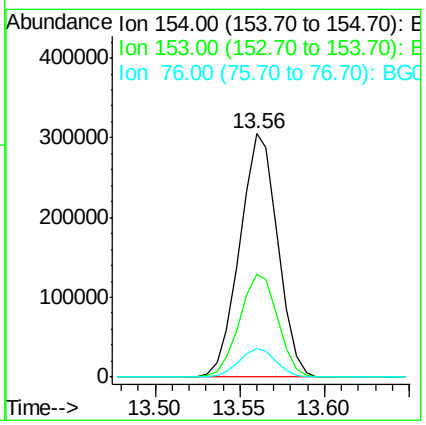


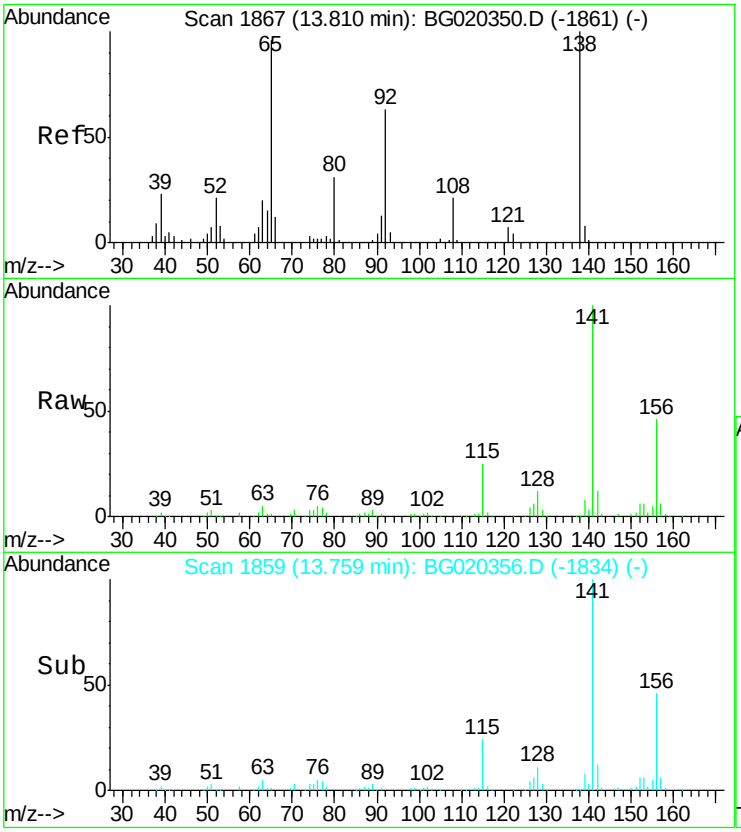


#41
1,1'-Biphenyl
Concen: 89.13 ng/ul
RT: 13.56 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion:154 Resp: 476262

Ion	Ratio	Lower	Upper
154	100		
153	42.2	35.5	53.3
76	11.8	10.4	15.6



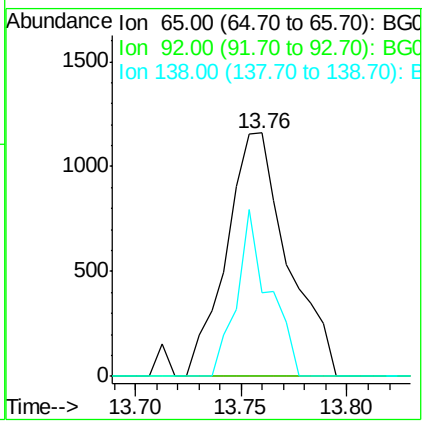


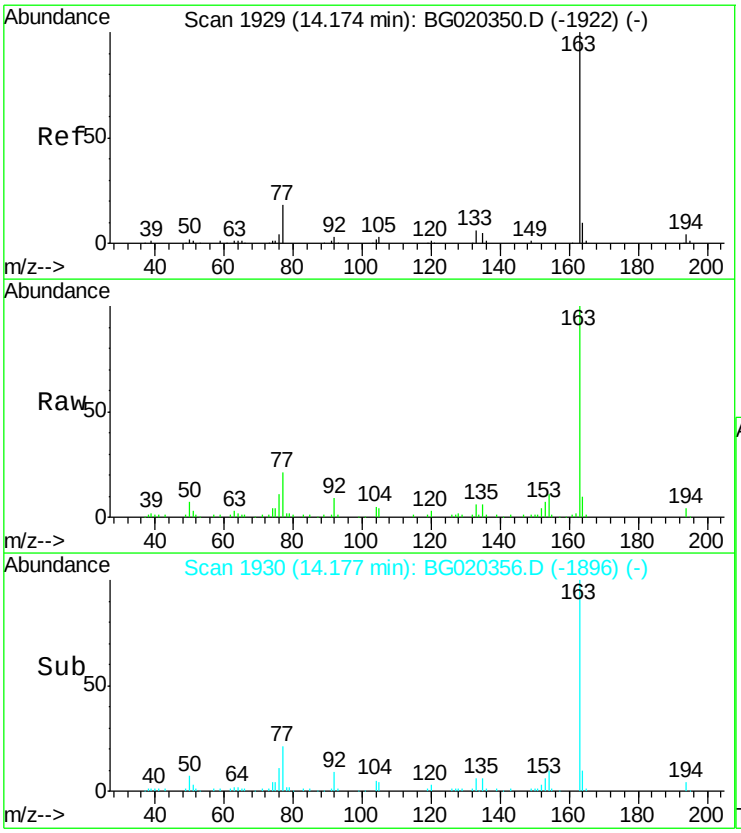
#43
2-Nitroaniline
Concen: 1.60 ng/ul
RT: 13.76 min Scan# 1859
Delta R.T. -0.05 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument : BNA_G
ClientSampleId : D9N48

Tgt Ion: 65 Resp: 2331

Ion	Ratio	Lower	Upper
65	100		
92	0.0	53.1	79.7#
138	34.5	76.6	114.8#

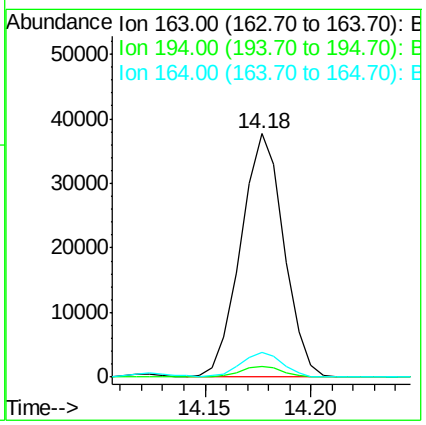


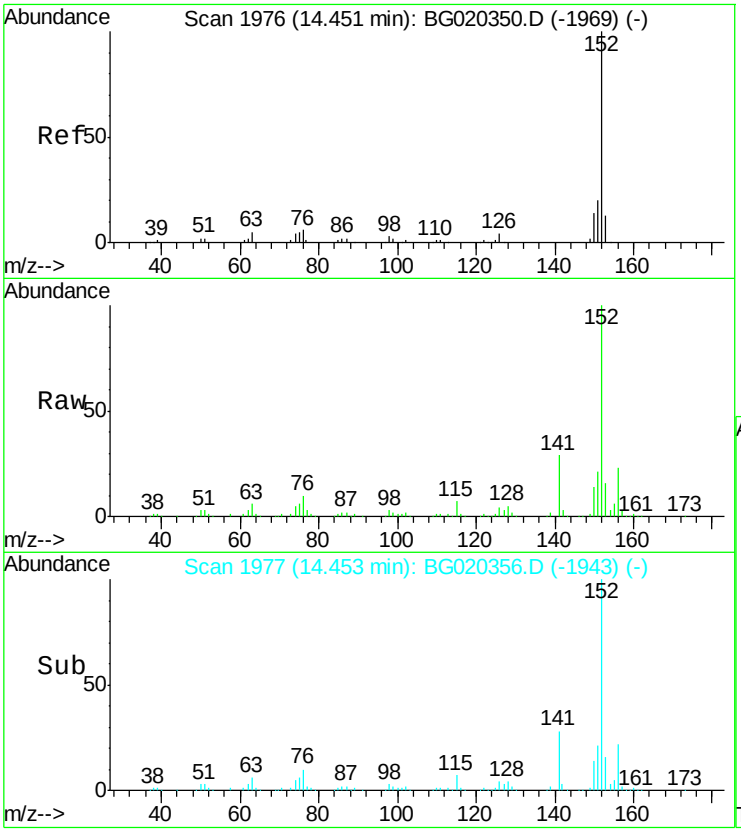


#45
Dimethylphthalate
Concen: 9.13 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. 0.00 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion:163 Resp: 53446

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.2	7.7	11.5



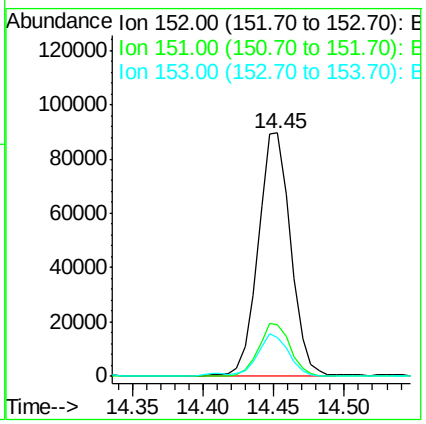


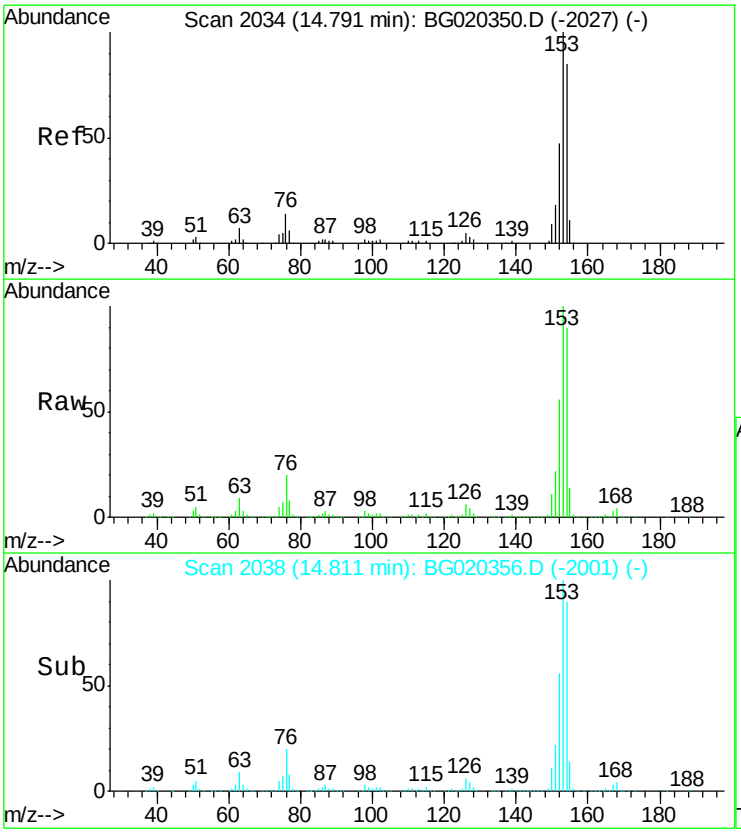
#48
Acenaphthylene
Concen: 20.55 ng/ul
RT: 14.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tgt Ion:152 Resp: 145545

Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.4	24.6
153	16.1	10.4	15.6#

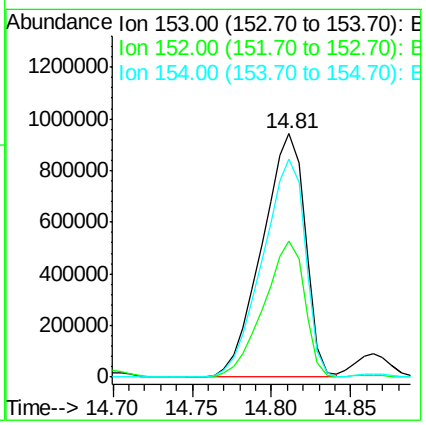


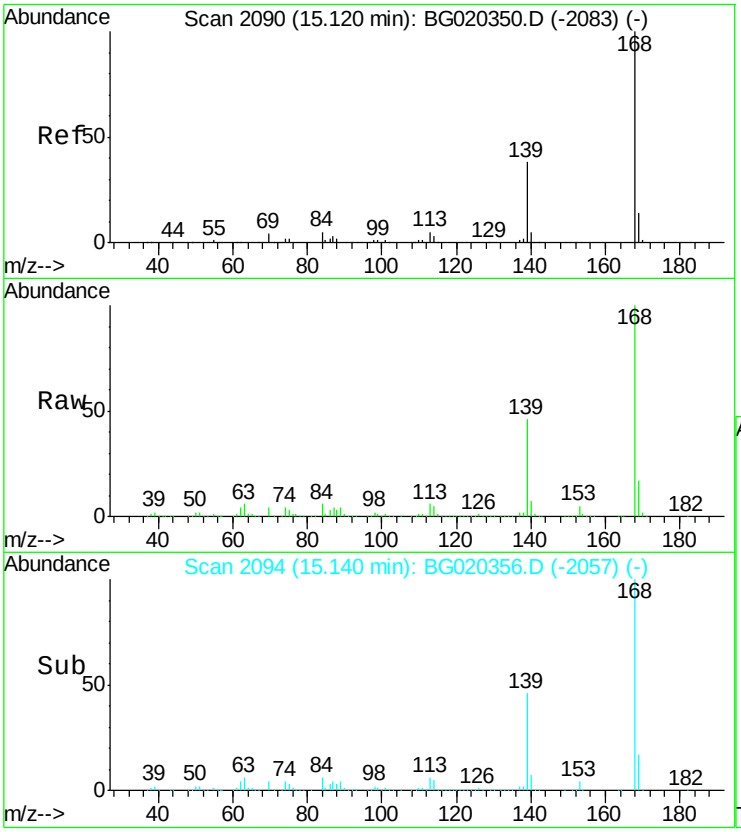


#50
Acenaphthene
Concen: 376.24 ng/ul
RT: 14.81 min Scan# 2038
Delta R.T. 0.02 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion:153 Resp: 1792691

Ion	Ratio	Lower	Upper
153	100		
152	55.7	37.6	56.4
154	89.7	67.9	101.9



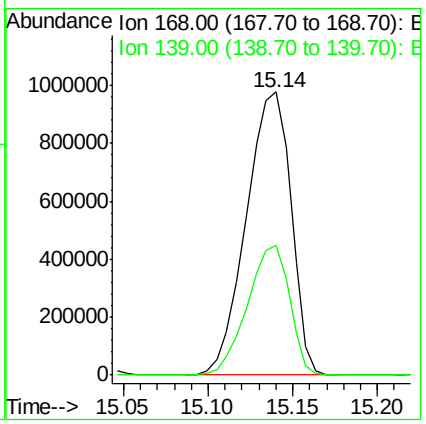


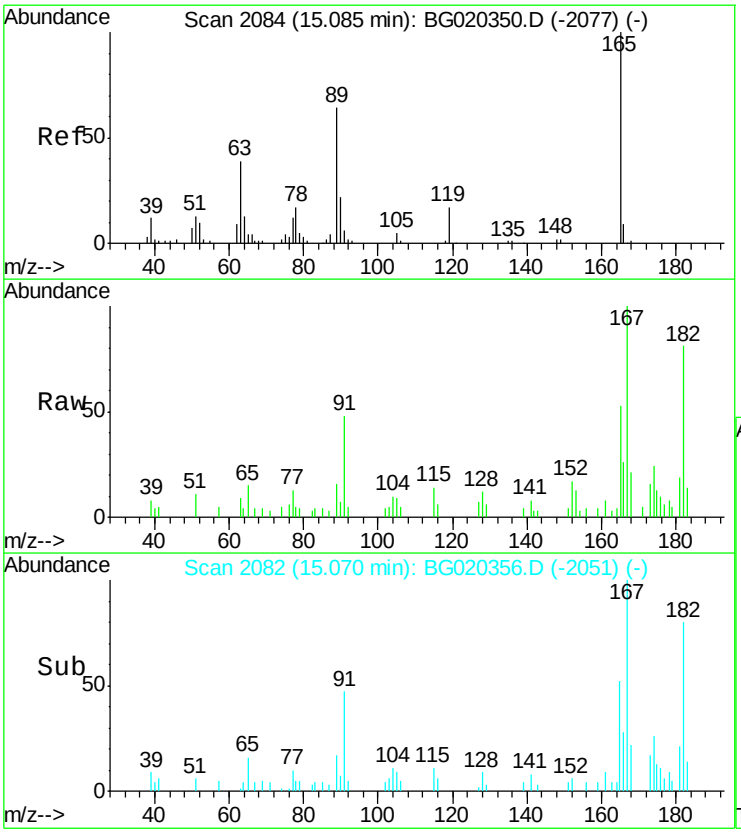
#54
Dibenzofuran
Concen: 253.95 ng/ul
RT: 15.14 min Scan# 2094
Delta R.T. 0.02 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tgt Ion:168 Resp: 1800037

Ion	Ratio	Lower	Upper
168	100		
139	45.8	30.5	45.7#

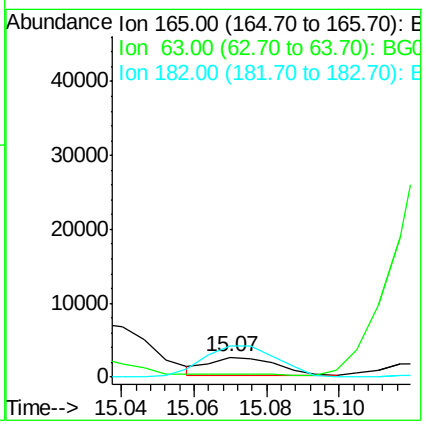


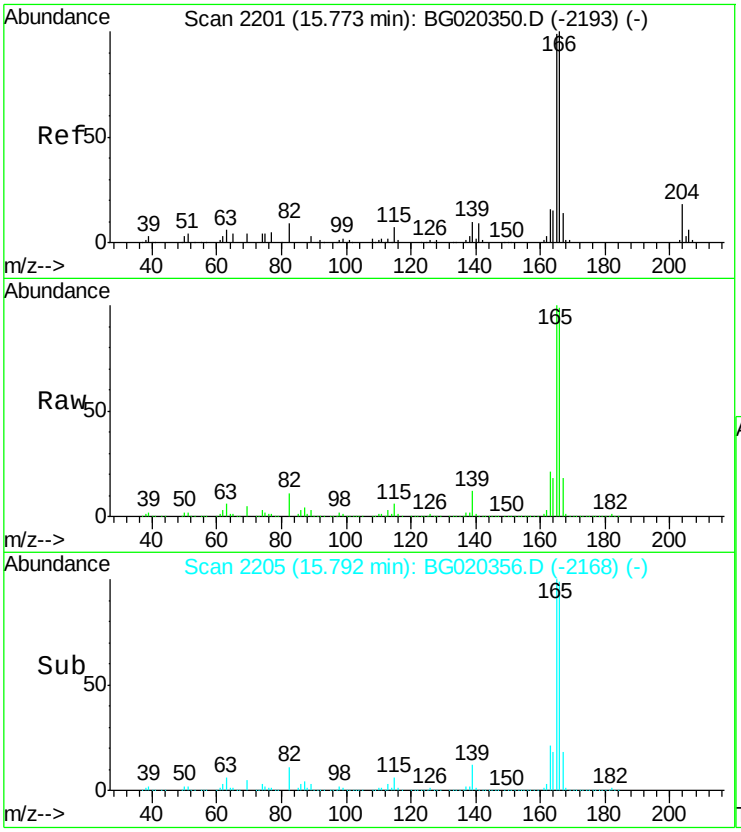


#55
2,4-Dinitrotoluene
Concen: 1.66 ng/ul
RT: 15.07 min Scan# 2082
Delta R.T. -0.02 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion:165 Resp: 2953

Ion	Ratio	Lower	Upper
165	100		
63	16.3	35.8	53.8#
182	154.9	2.2	3.2#



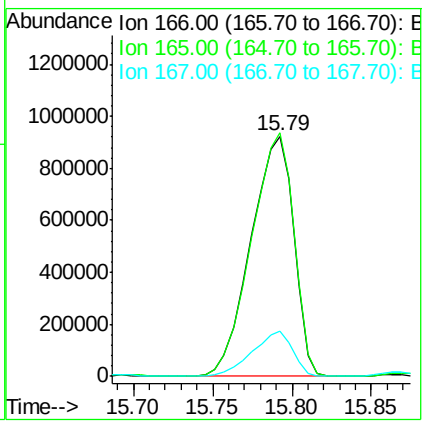


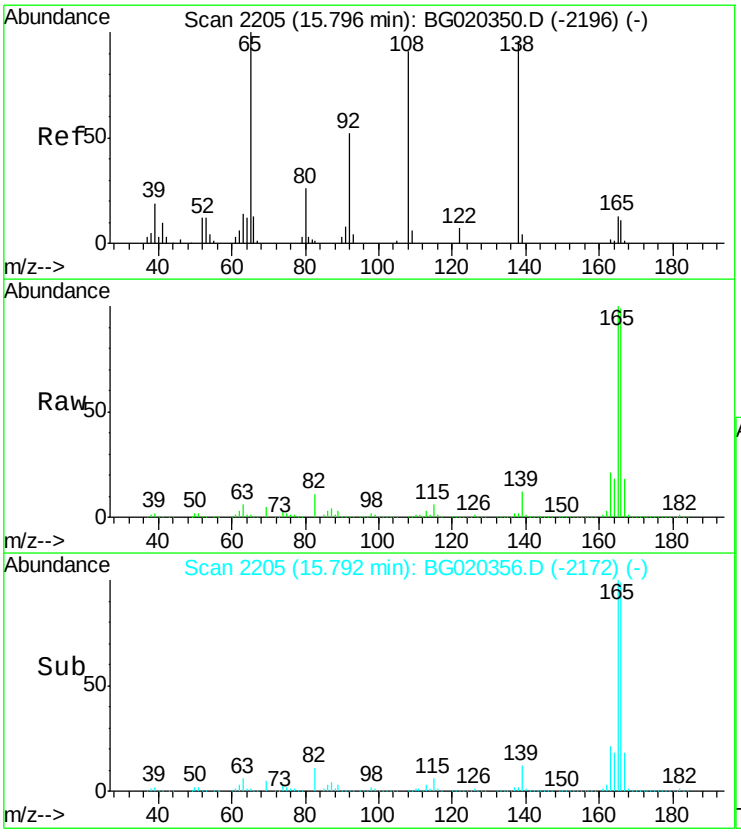
#59
Fluorene
Concen: 304.68 ng/ul
RT: 15.79 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tgt Ion:166 Resp: 1734194

Ion	Ratio	Lower	Upper
166	100		
165	101.3	81.4	122.0
167	18.6	11.2	16.8#

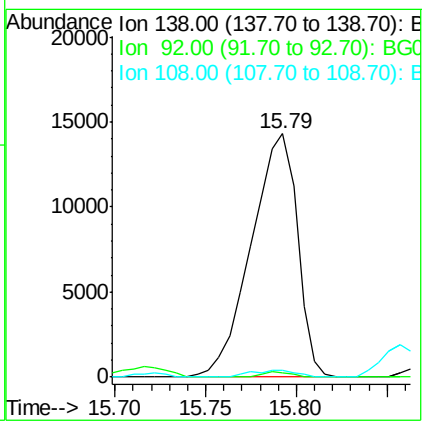


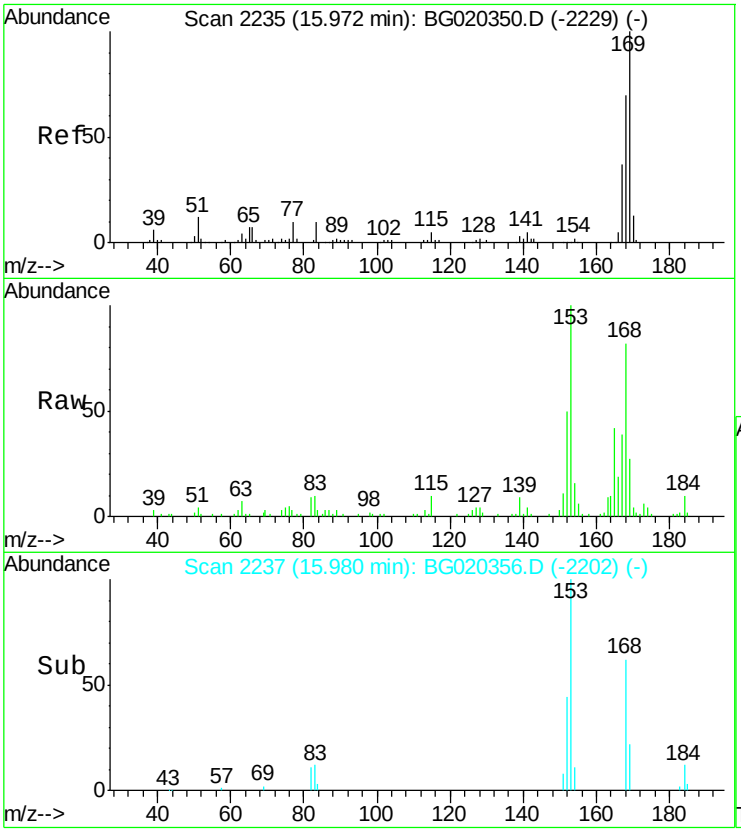


#61
4-Nitroaniline
Concen: 19.95 ng/ul
RT: 15.79 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion:138 Resp: 25347

Ion	Ratio	Lower	Upper
138	100		
92	1.6	45.2	67.8#
108	2.7	75.4	113.0#



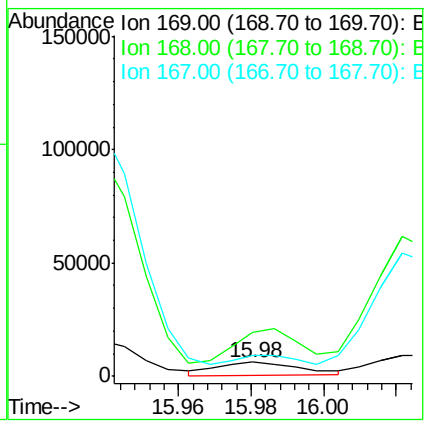


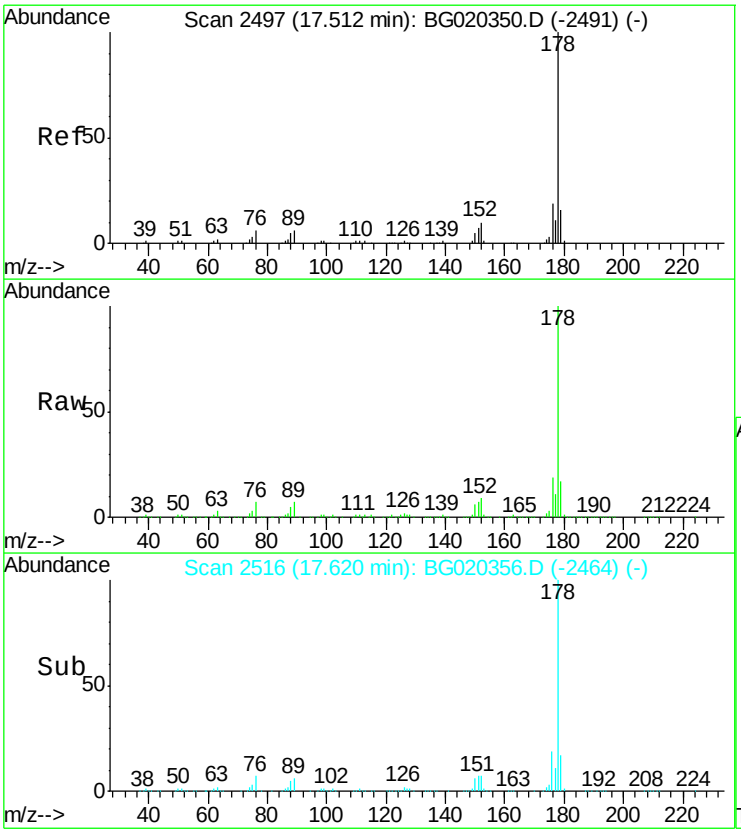
#65
N-Nitrosodiphenylamine
Concen: 2.12 ng/ul
RT: 15.98 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tgt Ion:169 Resp: 9173

Ion	Ratio	Lower	Upper
169	100		
168	304.6	54.3	81.5#
167	144.1	31.8	47.8#

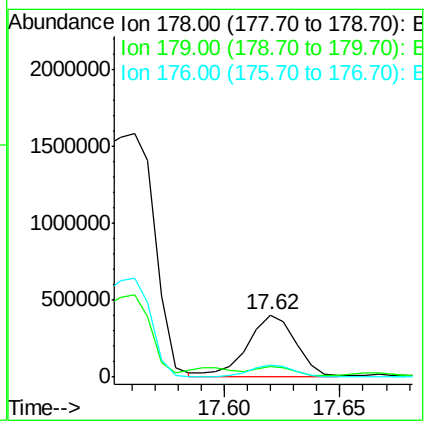


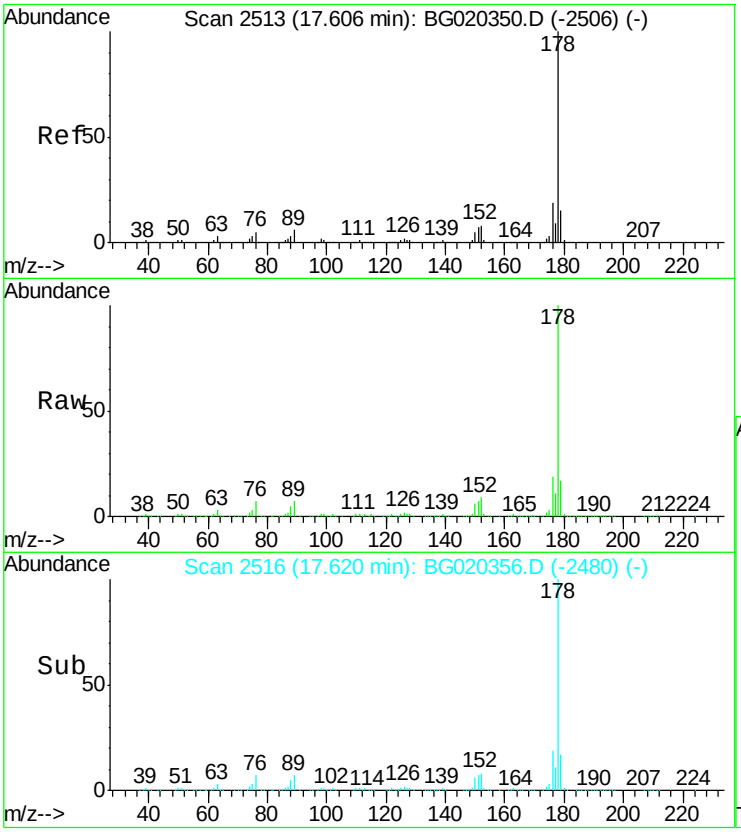


#70
Phenanthrene
Concen: 68.78 ng/ul
RT: 17.62 min Scan# 2516
Delta R.T. 0.11 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion:178 Resp: 585519

Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.9	19.3
176	19.0	15.3	22.9



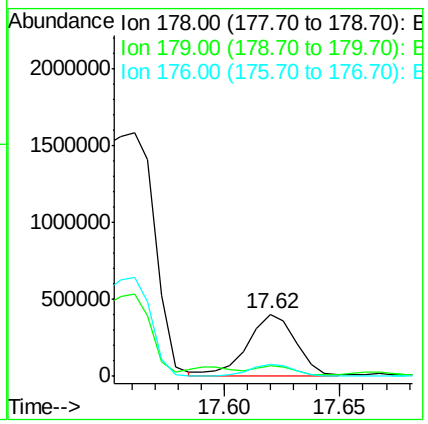


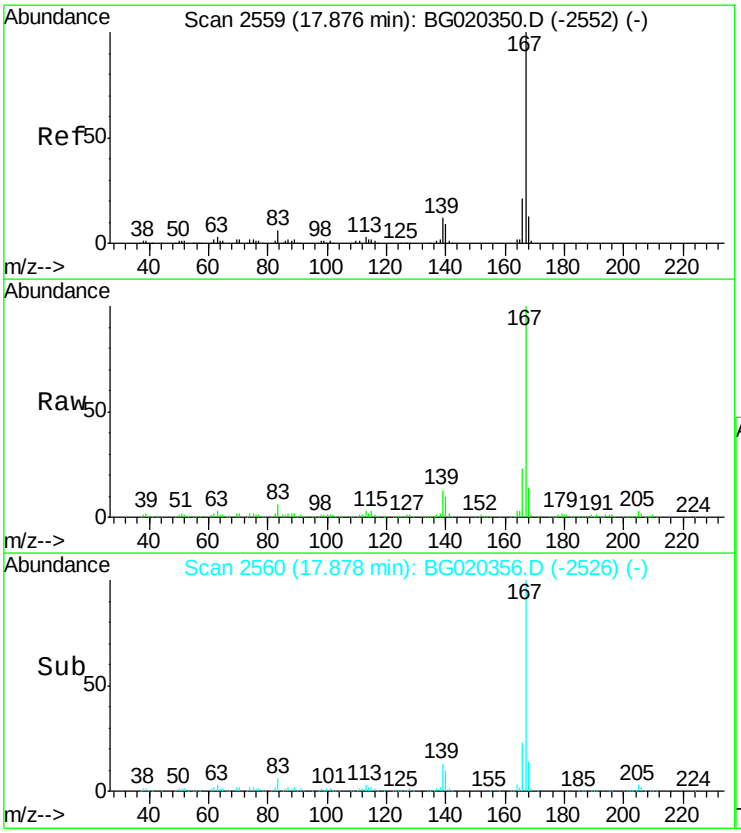
#72
Anthracene
Concen: 67.81 ng/ul
RT: 17.62 min Scan# 2516
Delta R.T. 0.01 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tgt Ion:178 Resp: 585519

Ion	Ratio	Lower	Upper
178	100		
179	17.3	12.3	18.5
176	19.0	14.3	21.5

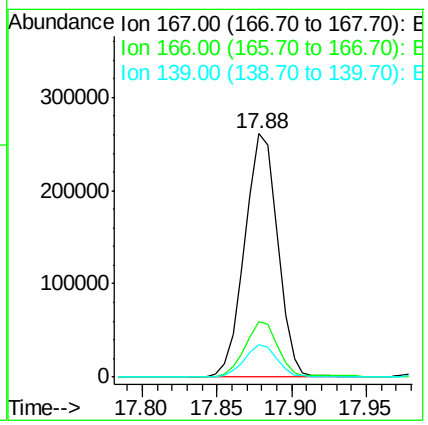


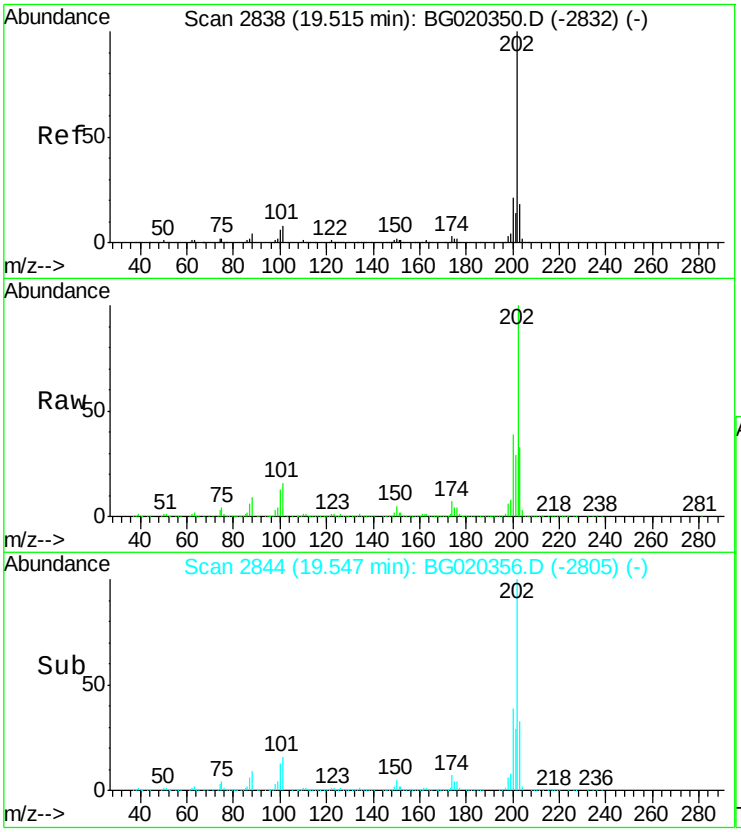


#75
Carbazole
Concen: 54.84 ng/ul
RT: 17.88 min Scan# 2560
Delta R.T. 0.00 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion:167 Resp: 397873

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



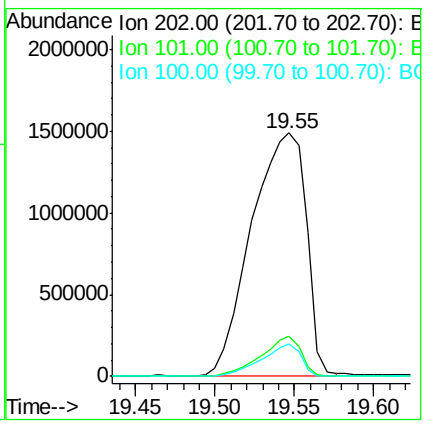


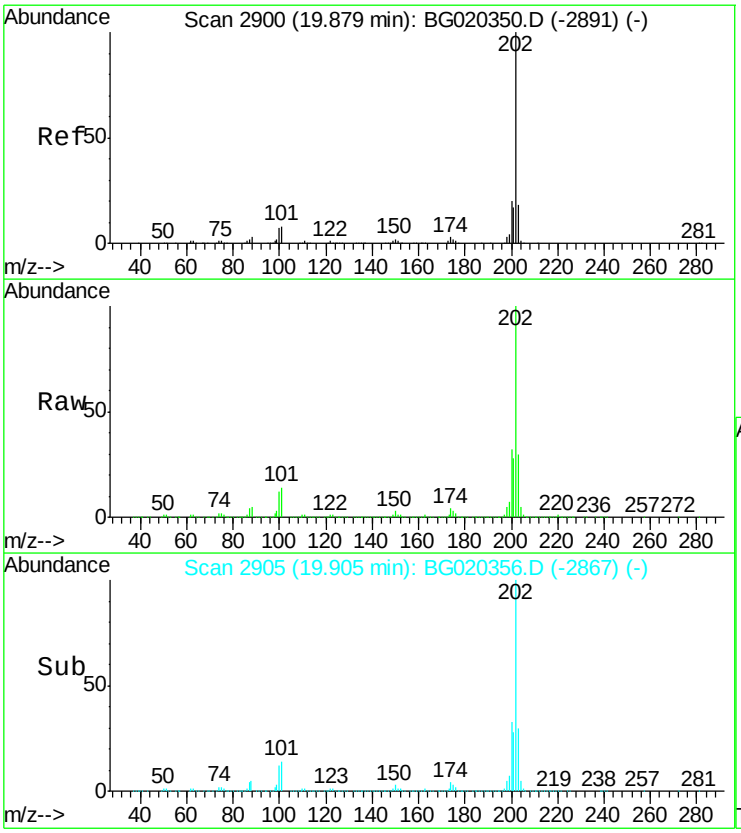
#77
Fluoranthene
Concen: 358.05 ng/ul
RT: 19.55 min Scan# 2844
Delta R.T. 0.03 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tgt Ion:202 Resp: 3562402

Ion	Ratio	Lower	Upper
202	100		
101	16.5	6.2	9.4#
100	13.4	5.1	7.7#

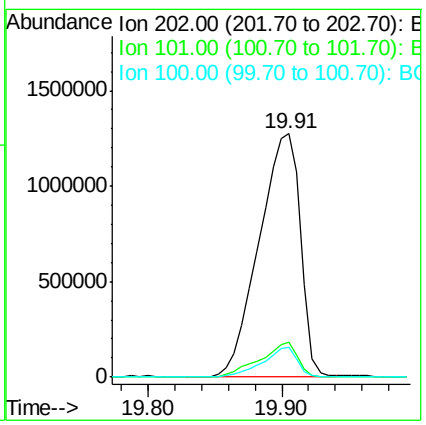


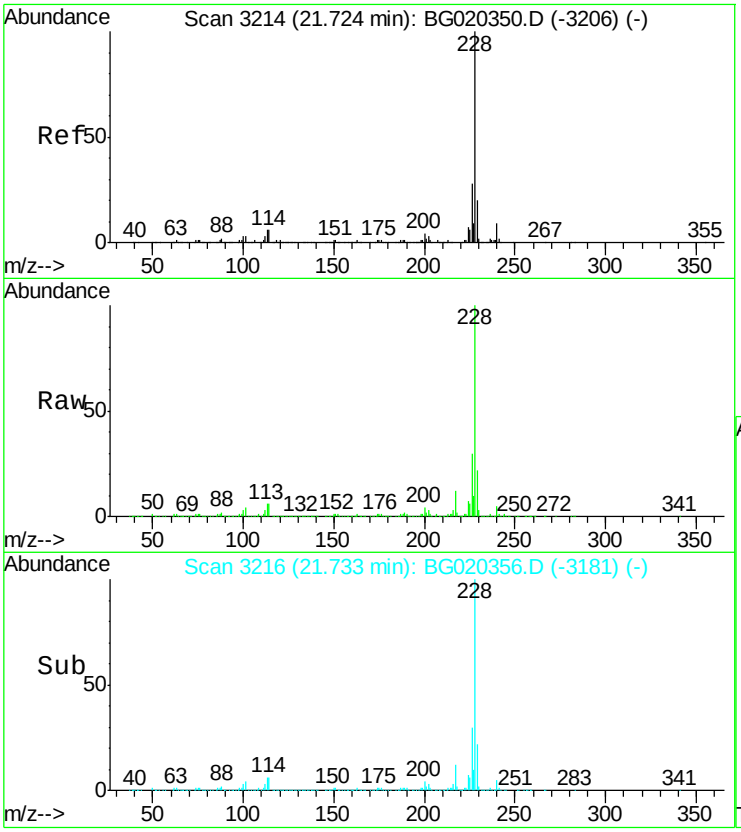


#80
Pyrene
Concen: 224.58 ng/ul
RT: 19.91 min Scan# 2905
Delta R.T. 0.03 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion:202 Resp: 2742676

Ion	Ratio	Lower	Upper
202	100		
101	14.4	7.0	10.4#
100	12.1	6.4	9.6#



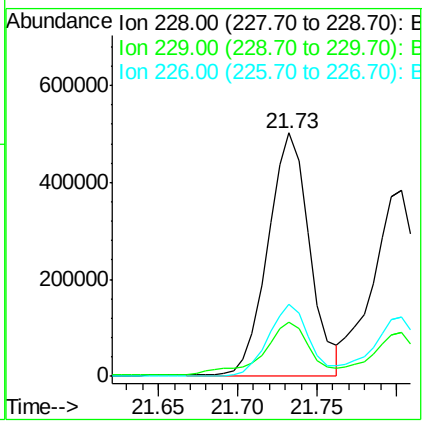


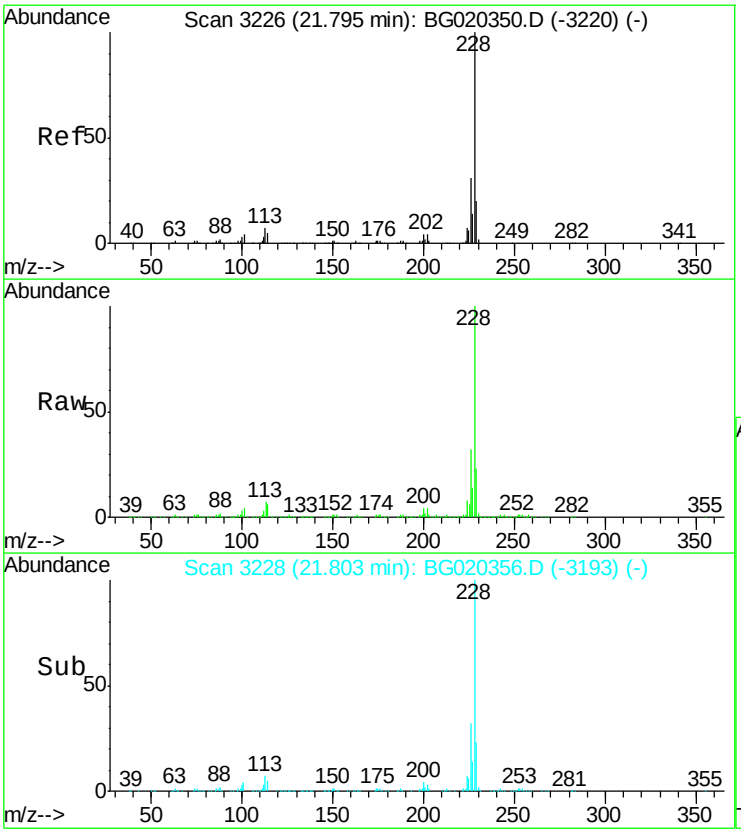
#83
Benzo(a)anthracene
Concen: 77.86 ng/ul
RT: 21.73 min Scan# 3216
Delta R.T. 0.01 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tgt Ion:228 Resp: 916666

Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.8	23.8
226	29.8	21.8	32.6

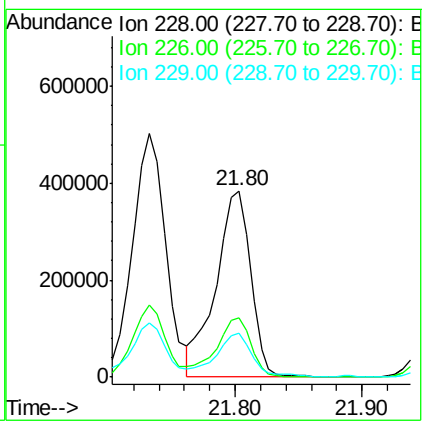


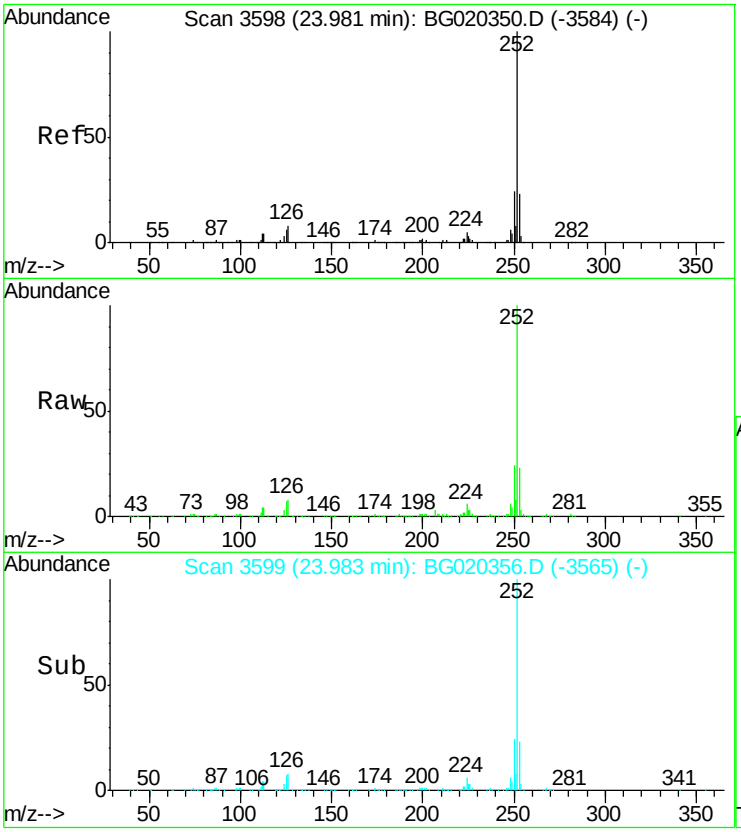


#85
Chrysene
Concen: 65.50 ng/ul
RT: 21.80 min Scan# 3228
Delta R.T. 0.01 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion:228 Resp: 726269

Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.9	35.9
229	23.3	15.6	23.4



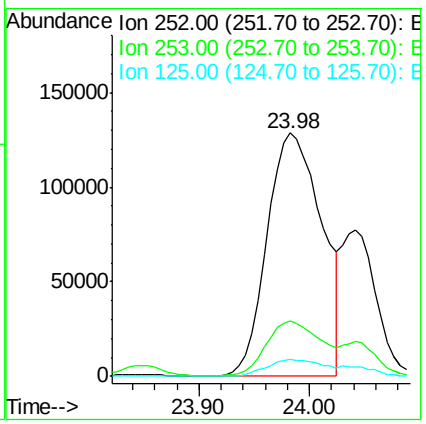


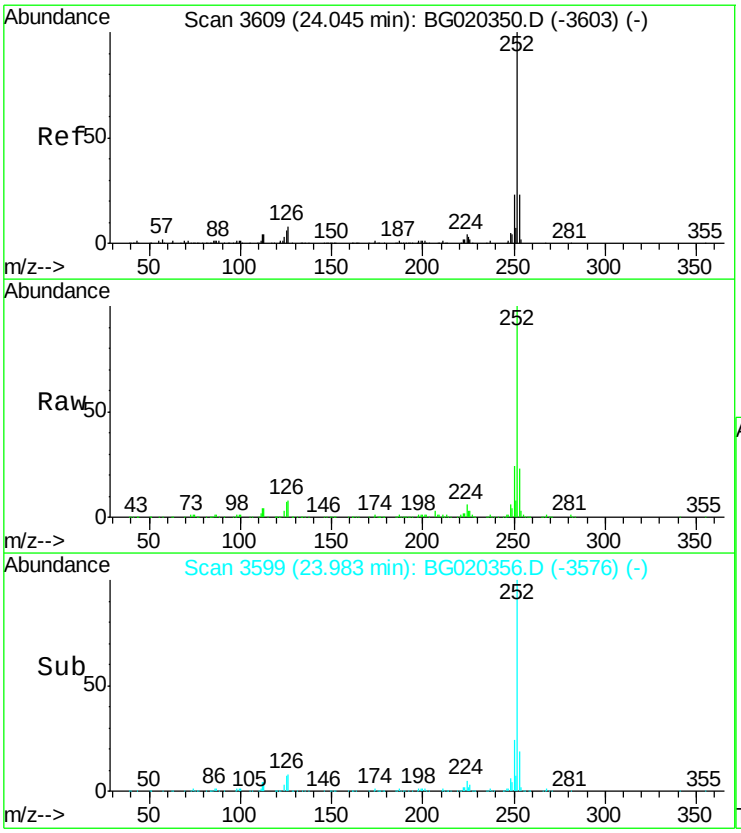
#88
Benzo(b)fluoranthene
Concen: 37.91 ng/ul
RT: 23.98 min Scan# 3599
Delta R.T. 0.00 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tgt Ion:252 Resp: 439361

Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.7	25.1
125	6.8	6.2	9.2

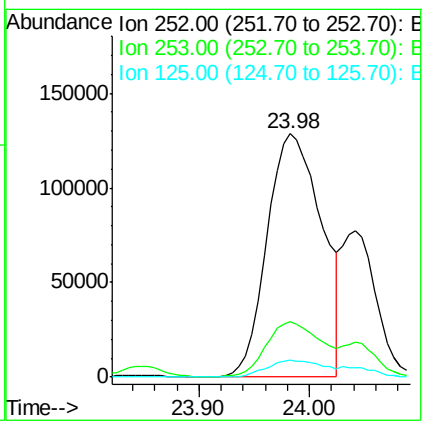


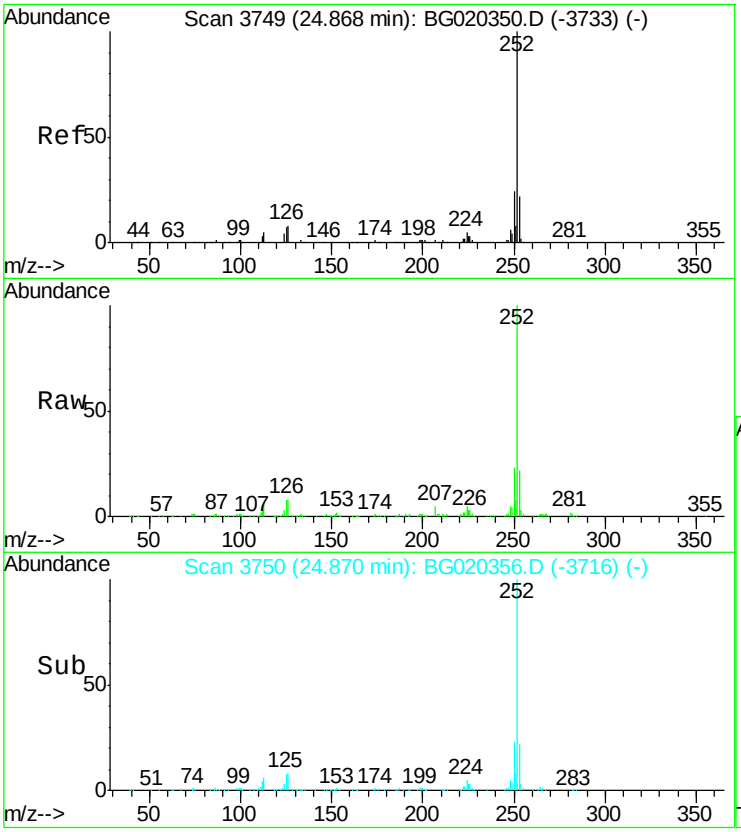


#89
Benzo(k)fluoranthene
Concen: 39.51 ng/ul
RT: 23.98 min Scan# 3599
Delta R.T. -0.06 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion:252 Resp: 439361

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	6.8	5.8	8.6



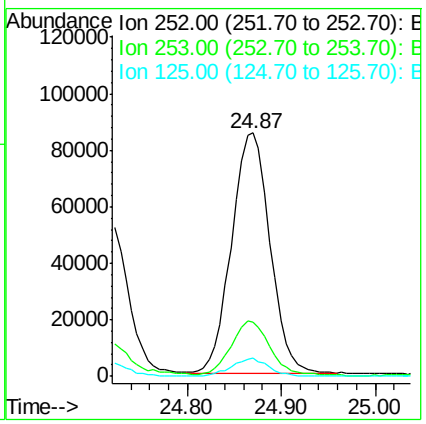


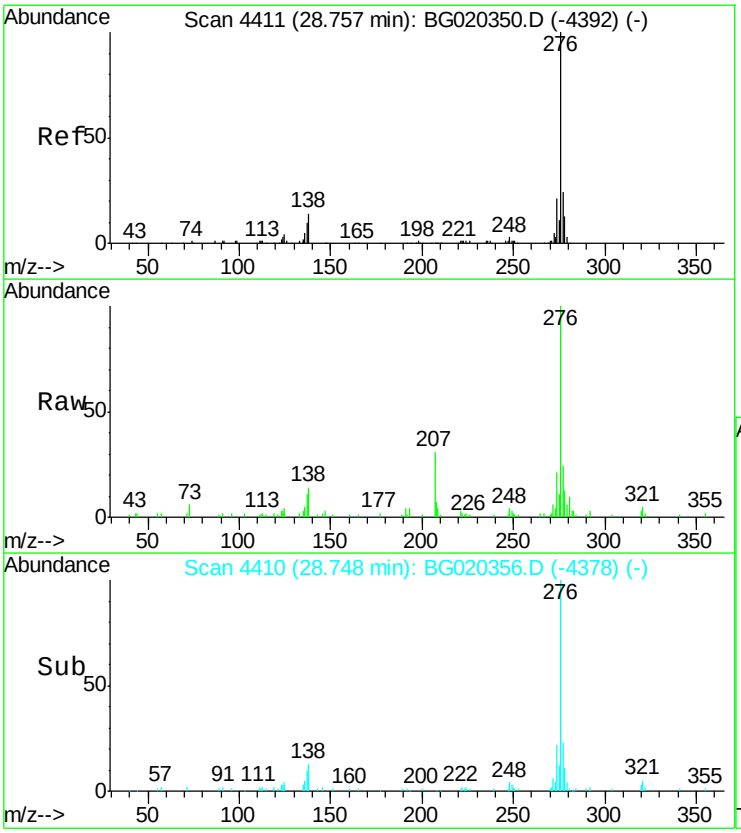
#91
Benzo(a)pyrene
Concen: 21.84 ng/ul
RT: 24.87 min Scan# 3750
Delta R.T. 0.00 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tgt Ion:252 Resp: 239973

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.4
125	7.7	6.2	9.4

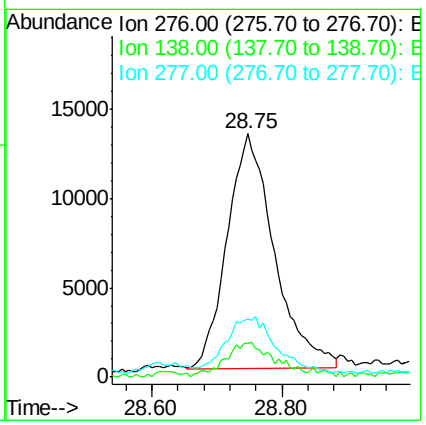


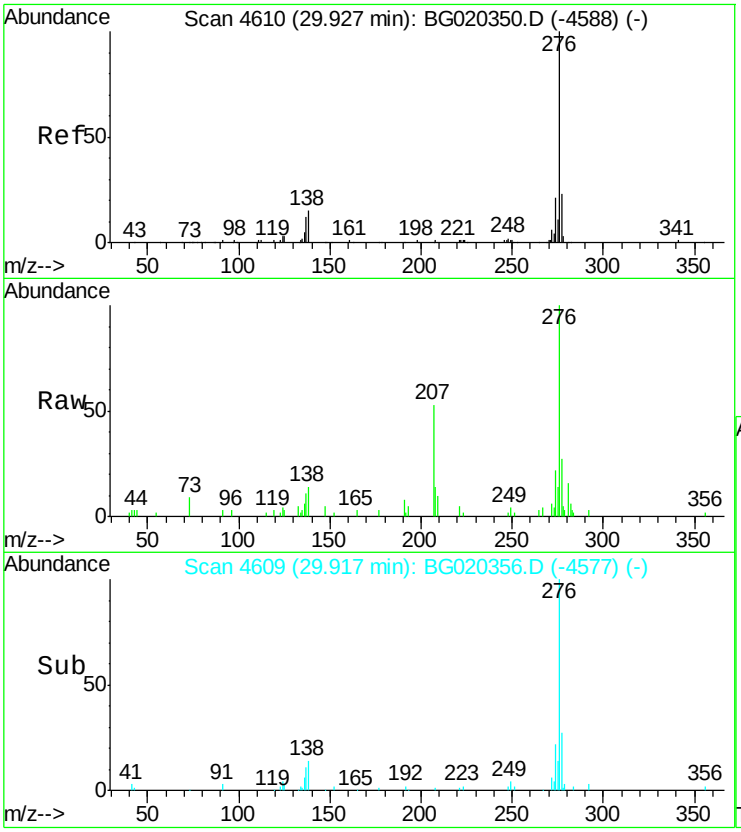


#92
Indeno(1,2,3-cd)pyrene
Concen: 5.07 ng/ul
RT: 28.75 min Scan# 4410
Delta R.T. -0.01 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Tgt Ion:276 Resp: 66292

Ion	Ratio	Lower	Upper
276	100		
138	14.0	11.4	17.0
277	24.0	17.4	26.0





#94
Benzo(g,h,i)perylene
Concen: 4.03 ng/ul
RT: 29.92 min Scan# 4609
Delta R.T. -0.01 min
Lab File: BG020356.D
Acq: 20 Dec 2015 23:56

Instrument :
BNA_G
ClientSampleId :
D9N48

Tgt Ion:276 Resp: 43185

Ion	Ratio	Lower	Upper
276	100		
138	13.6	10.8	16.2
277	26.6	19.9	29.9