Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Time: Dec 21 02:01:32 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	21633	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	92229	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	64329	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.49	188	137468	20.00	ng/ul	0.02
78) Chrysene-d12	21.75	240	177439	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	166505	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	1448	3.70	ng/uL	0.00
5) Phenol-d5	7.26	99	38556	20.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	25286	22.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	31330	22.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	34151	20.93	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	17612	24.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	20159	25.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	35677	22.02	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	37598	20.65	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	126090	24.23	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	140897	23.27	ng/ul	0.00
52) 4-Nitrophenol-d4	14.94	143	16173	17.33	ng/ul	0.00
58) Fluorene-d10	15.72	176	110517	23.42	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.86	200	12263	15.05	ng/ul	0.02
71) Anthracene-d10	17.59	188	164850	26.03	ng/ul	0.02
79) Pyrene-d10	19.86	212	201407	24.35	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.80	264	224103	26.98	ng/ul	0.00
Target Compounds						Qvalue
17) Hexachloroethane	9.20	117	1504	2.46	ng/ul#	1
28) Naphthalene	10.99	128	3272652	679.49	ng/ul#	81
30) 4-Chloroaniline	10.99	127	588575	316.75	ng/ul#	13
34) 2-Methylnaphthalene	12.57	142	1154353	313.77	ng/ul	99
35) 1-Methylnaphthalene	12.79	142	571116	161.48	ng/ul	96
41) 1,1'-Biphenyl	13.56	154	496867	102.38	ng/ul	97
43) 2-Nitroaniline	13.76	65	2458	1.86	ng/ul#	8
45) Dimethylphthalate	14.18	163	53265	10.02	ng/ul	99
48) Acenaphthylene	14.45	152	155662	24.20	ng/ul#	95
50) Acenaphthene	14.81	153	1900317	439.14	ng/ul#	92
54) Dibenzofuran	15.14	168	1910254	296.74	ng/ul#	87
55) 2,4-Dinitrotoluene	15.07	165	3702	2.29	ng/ul#	36
59) Fluorene	15.79	166	1839484	355.84	ng/ul#	98
61) 4-Nitroaniline	15.79	138	27095	23.48	ng/ul#	13
65) N-Nitrosodiphenylamine	15.98	169	8933	2.34	ng/ul#	1
70) Phenanthrene	17.62	178	654226	87.01	ng/ul	97
72) Anthracene	17.62	178	659594	86.49	ng/ul	95
75) Carbazole	17.88	167	479374	74.81	ng/ul	99
77) Fluoranthene	19.67	202	15555	1.77	ng/ul	99
80) Pyrene	19.91	202	2918164	271.73	ng/ul#	84
83) Benzo(a)anthracene	21.73	228	983000	94.94	ng/ul	95
85) Chrysene	21.73	228	981964	100.70	ng/ul	97
88) Benzo(b)fluoranthene	23.98	252	498550	49.75	ng/ul	95

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

Quant Time: Dec 21 02:01:32 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	498550	51.84	ng/ul	98
91) Benzo(a)pyrene	24.87	252	267760	28.19	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.74	276	35505	3.14	ng/ul	97
94) Benzo(g,h,i)perylene	29.92	276	47369	5.11	ng/ul	98

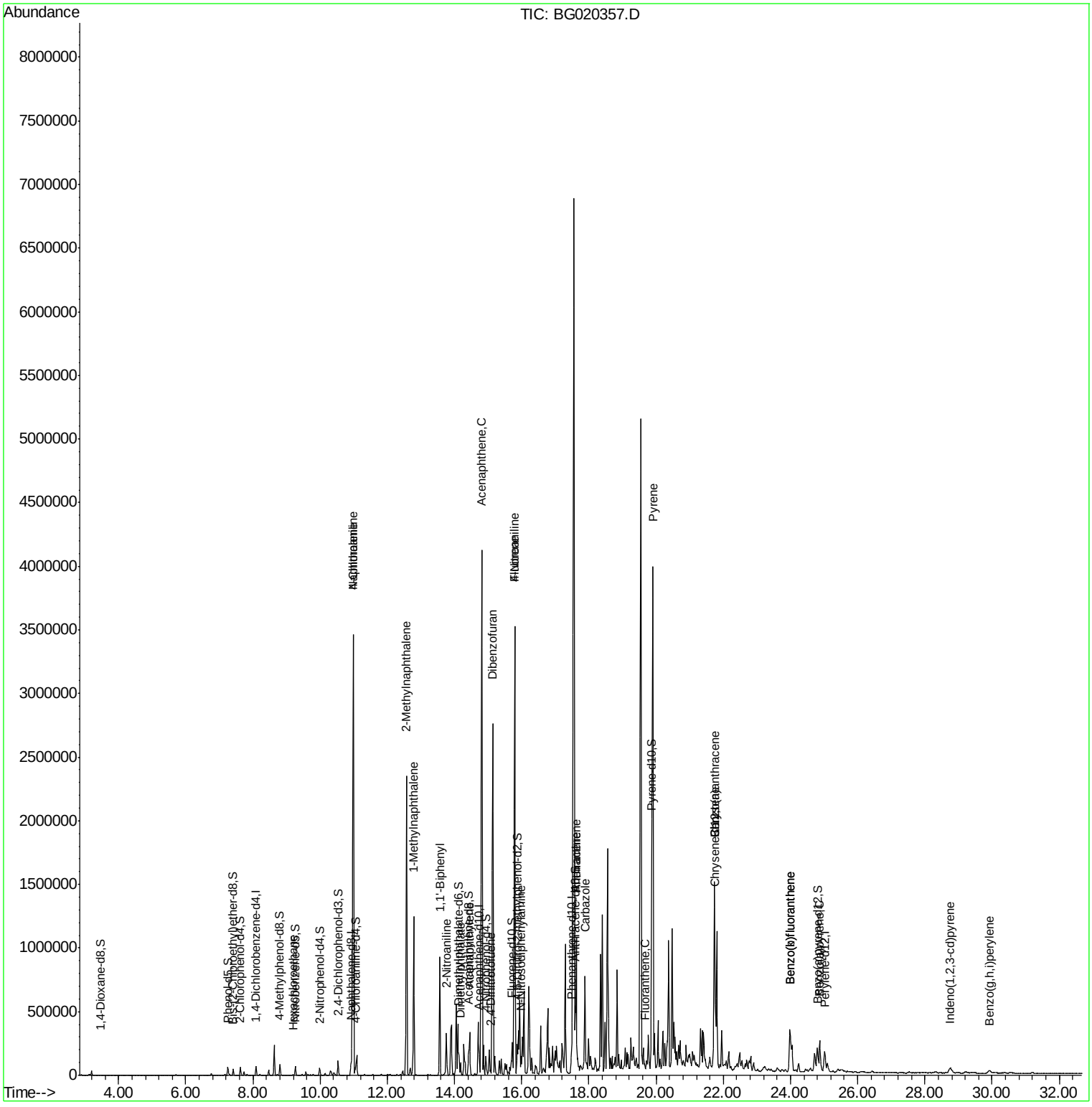
(#) = qualifier out of range (m) = manual integration (+) = signals summed

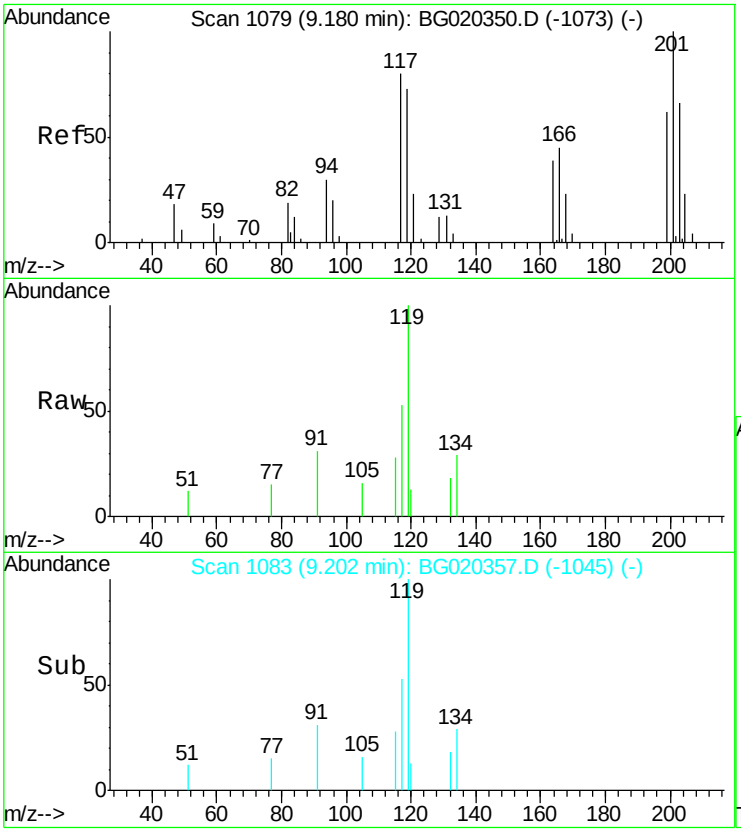
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N49

Quant Time: Dec 21 02:01:32 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



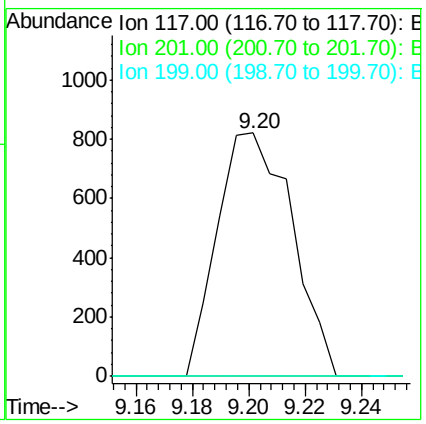


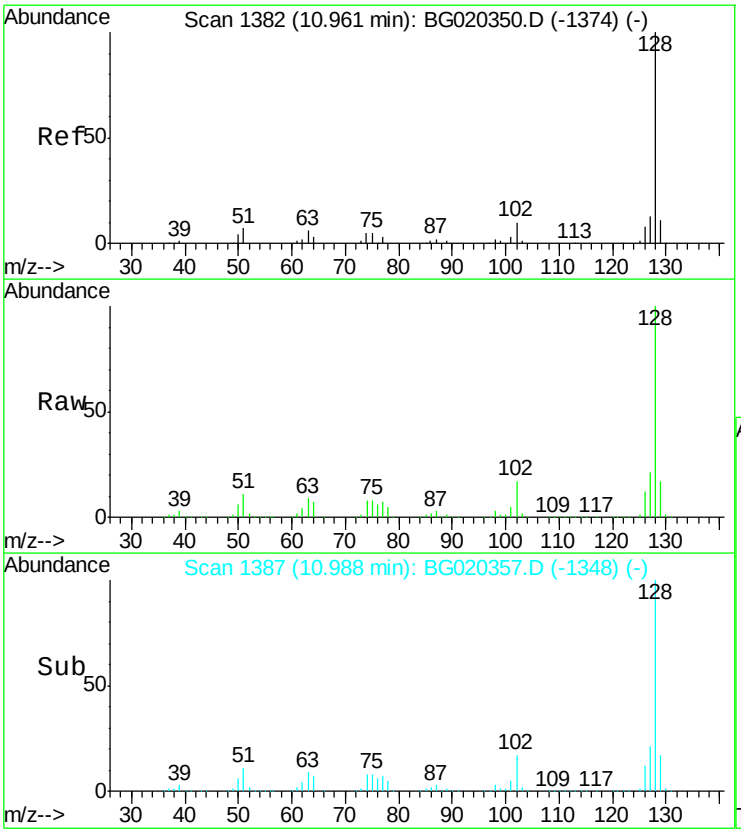
#17
Hexachloroethane
Concen: 2.46 ng/ul
RT: 9.20 min Scan# 1083
Delta R.T. 0.02 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument : BNA_G
ClientSampleId : D9N49

Tgt Ion:117 Resp: 1504

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

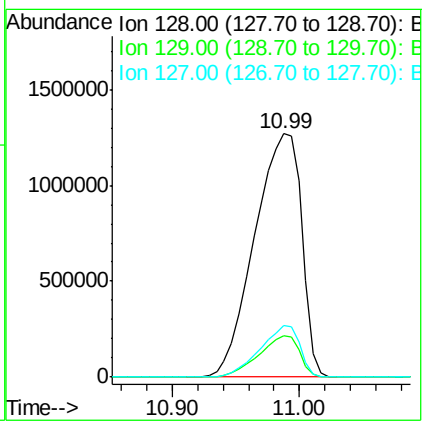


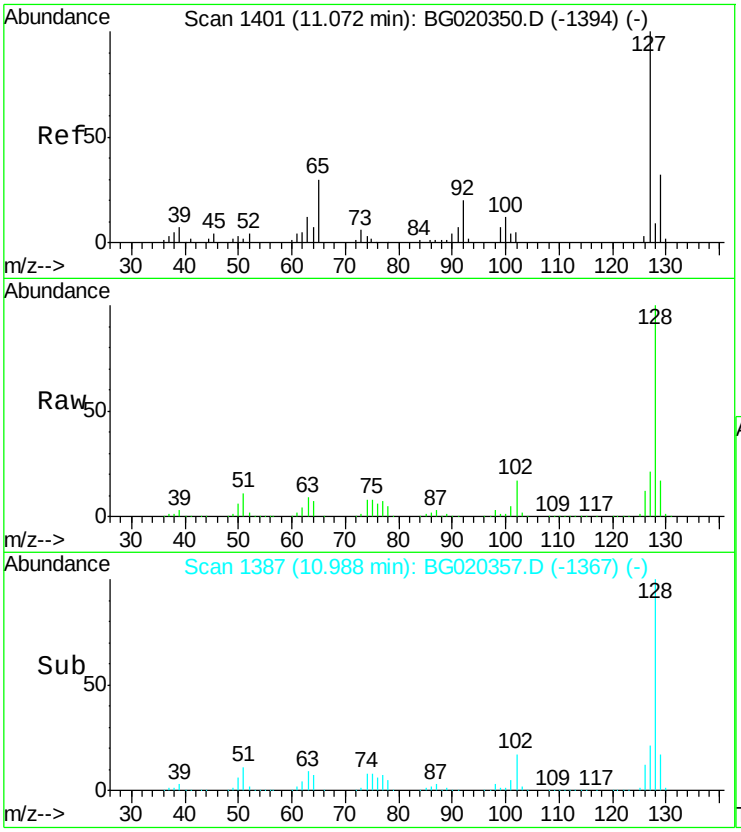


#28
Naphthalene
Concen: 679.49 ng/ul
RT: 10.99 min Scan# 1387
Delta R.T. 0.03 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:128 Resp: 3272652

Ion	Ratio	Lower	Upper
128	100		
129	17.0	8.6	12.8#
127	21.1	10.1	15.1#



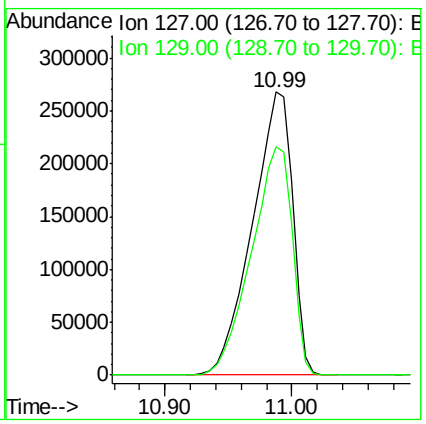


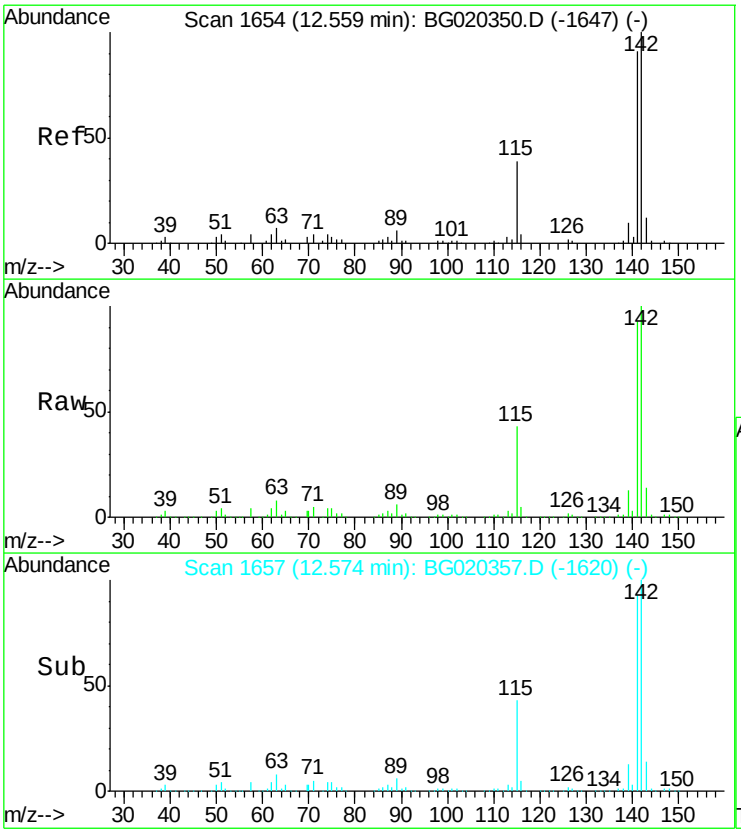
#30
4-Chloroaniline
Concen: 316.75 ng/ul
RT: 10.99 min Scan# 1387
Delta R.T. -0.08 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tgt Ion:127 Resp: 588575

Ion	Ratio	Lower	Upper
127	100		
129	80.7	25.7	38.5#

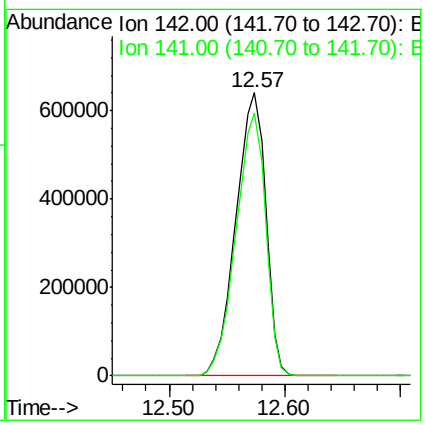


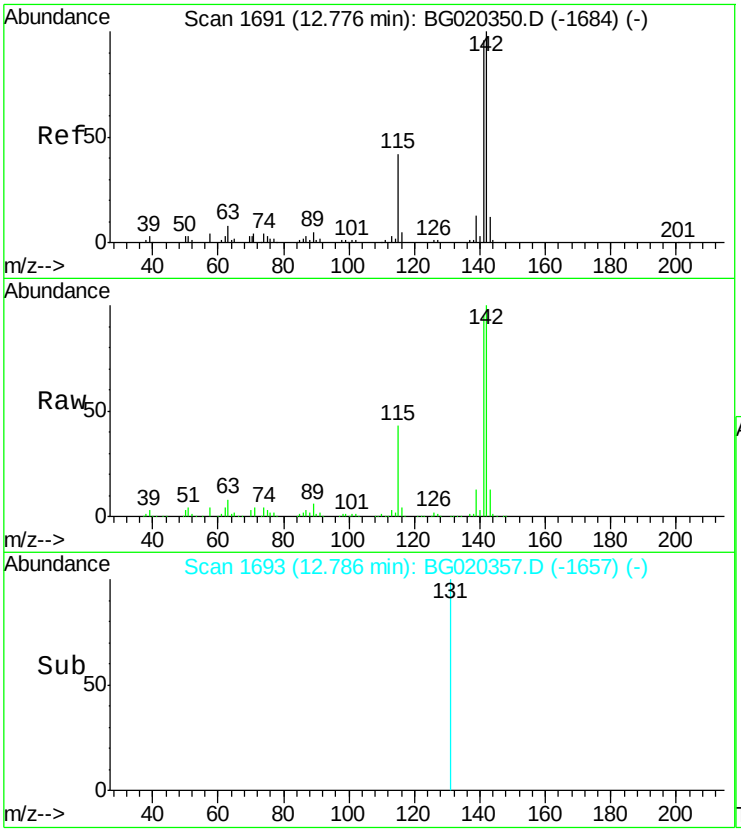


#34
2-Methylnaphthalene
Concen: 313.77 ng/ul
RT: 12.57 min Scan# 1657
Delta R.T. 0.02 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:142 Resp: 1154353

Ion	Ratio	Lower	Upper
142	100		
141	92.7	74.9	112.3



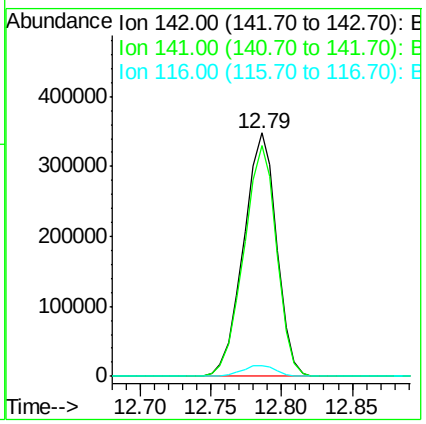


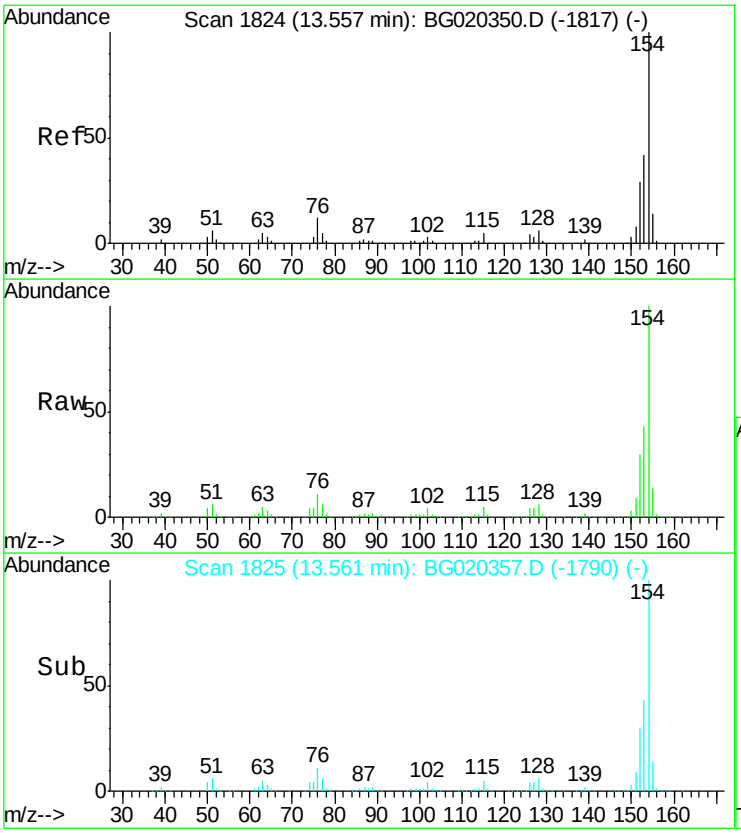
#35
1-Methylnaphthalene
Concen: 161.48 ng/ul
RT: 12.79 min Scan# 1693
Delta R.T. 0.01 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tgt Ion:142 Resp: 571116

Ion	Ratio	Lower	Upper
142	100		
141	94.9	73.0	109.6
116	4.5	3.0	4.6

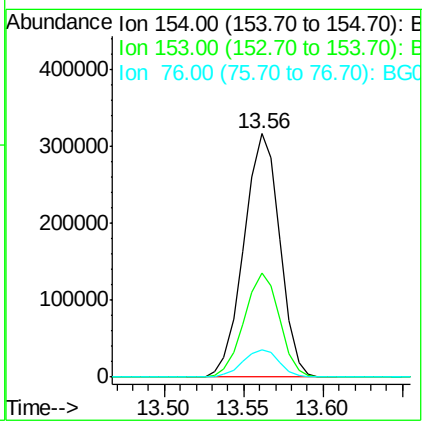


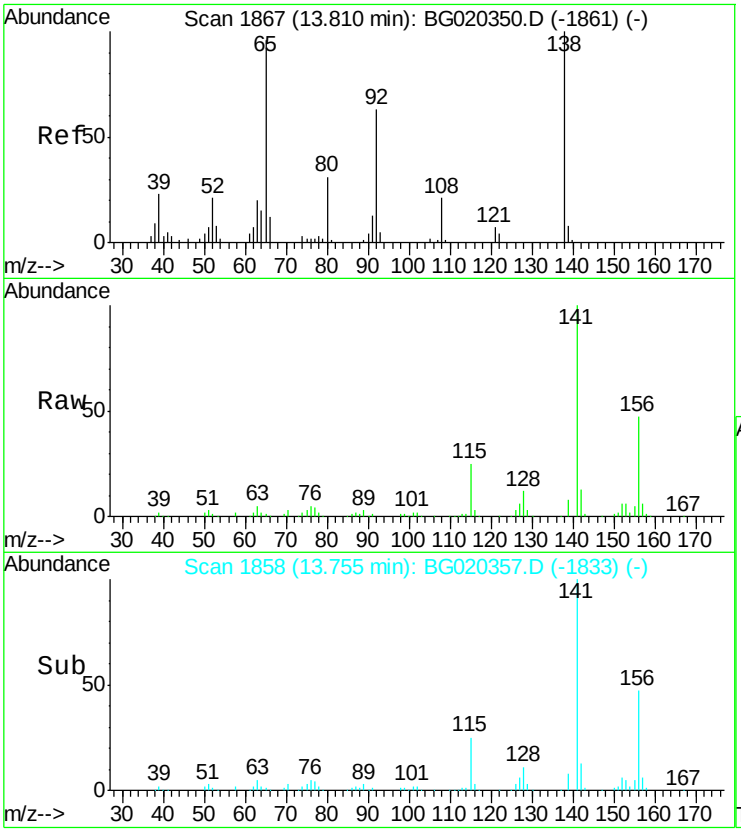


#41
1,1'-Biphenyl
Concen: 102.38 ng/ul
RT: 13.56 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:154 Resp: 496867

Ion	Ratio	Lower	Upper
154	100		
153	42.5	35.5	53.3
76	11.4	10.4	15.6



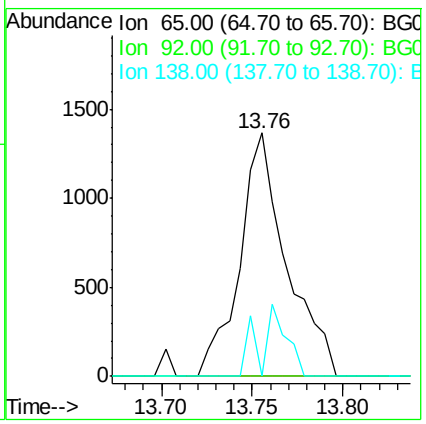


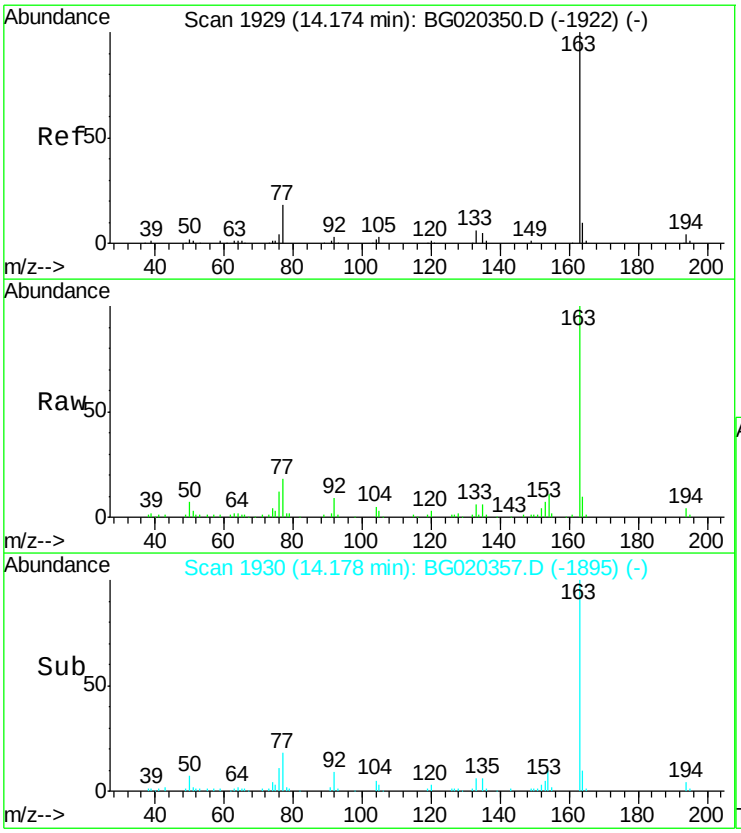
#43
2-Nitroaniline
Concen: 1.86 ng/ul
RT: 13.76 min Scan# 1858
Delta R.T. -0.06 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument : BNA_G
ClientSampleId : D9N49

Tgt Ion: 65 Resp: 2458

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

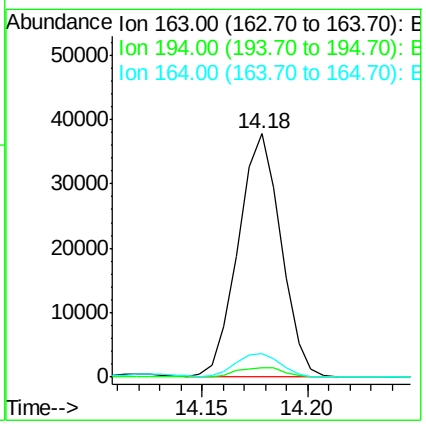


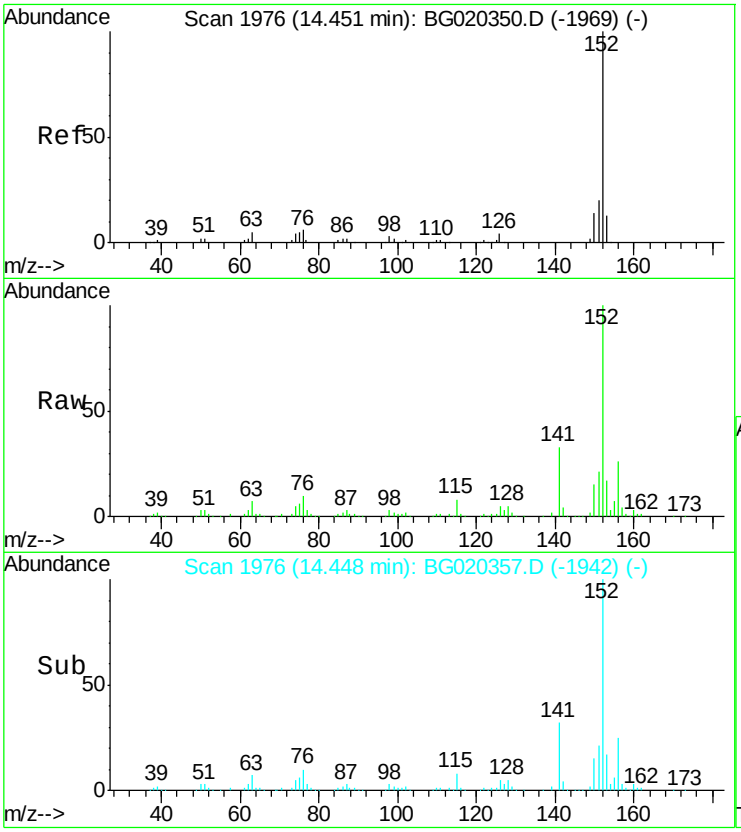


#45
Dimethylphthalate
Concen: 10.02 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. 0.00 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:163 Resp: 53265

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	9.8	7.7	11.5



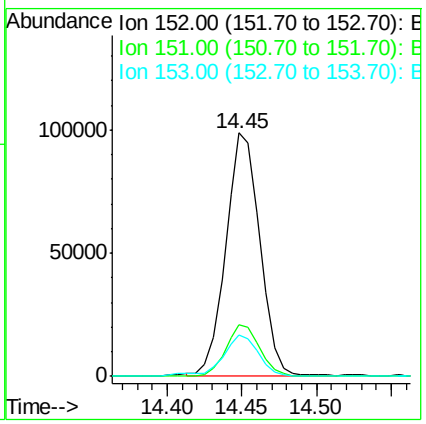


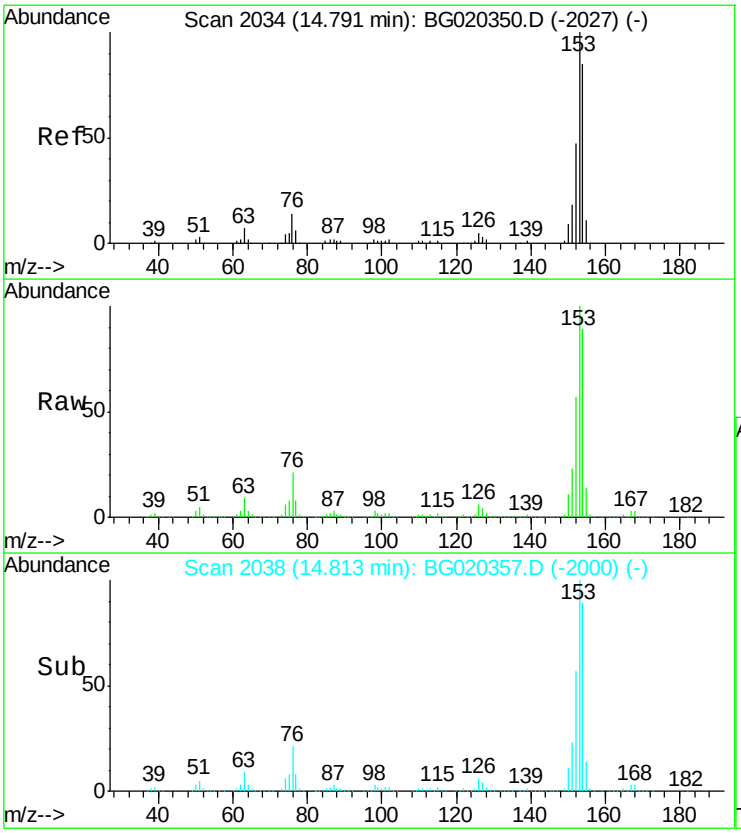
#48
Acenaphthylene
Concen: 24.20 ng/ul
RT: 14.45 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tgt Ion:152 Resp: 155662

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.4	24.6
153	17.2	10.4	15.6#

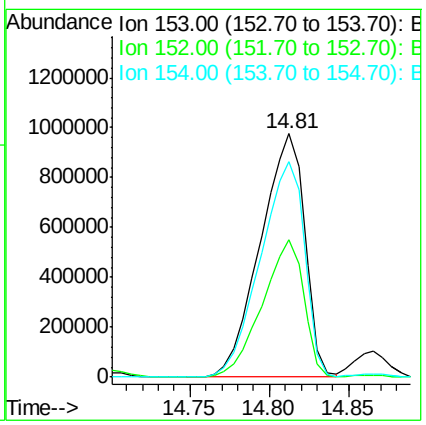


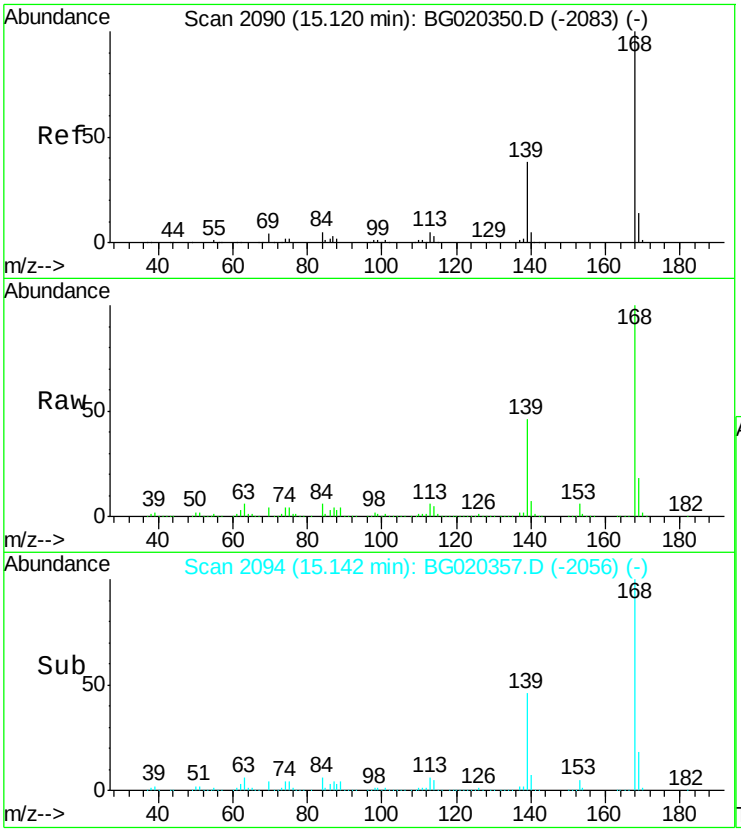


#50
Acenaphthene
Concen: 439.14 ng/ul
RT: 14.81 min Scan# 2038
Delta R.T. 0.02 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:153 Resp: 1900317

Ion	Ratio	Lower	Upper
153	100		
152	56.6	37.6	56.4#
154	88.7	67.9	101.9



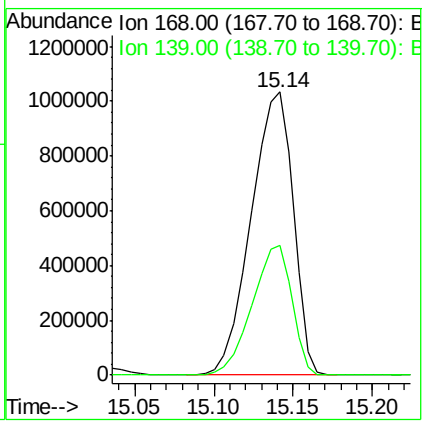


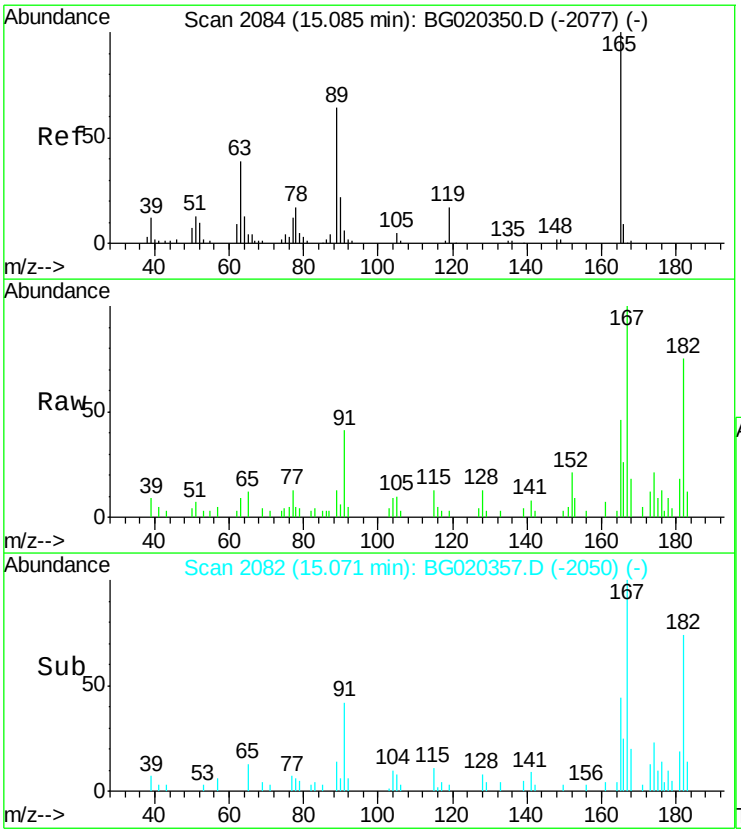
#54
Dibenzofuran
Concen: 296.74 ng/ul
RT: 15.14 min Scan# 2094
Delta R.T. 0.02 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tgt Ion:168 Resp: 1910254

Ion	Ratio	Lower	Upper
168	100		
139	45.8	30.5	45.7#

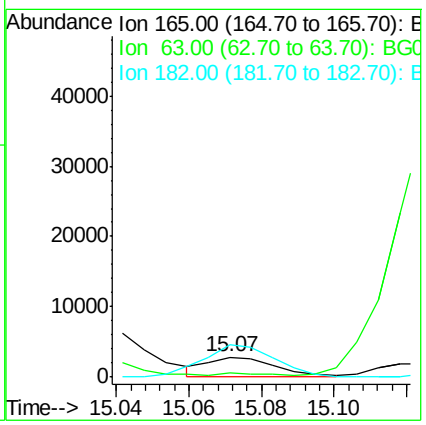


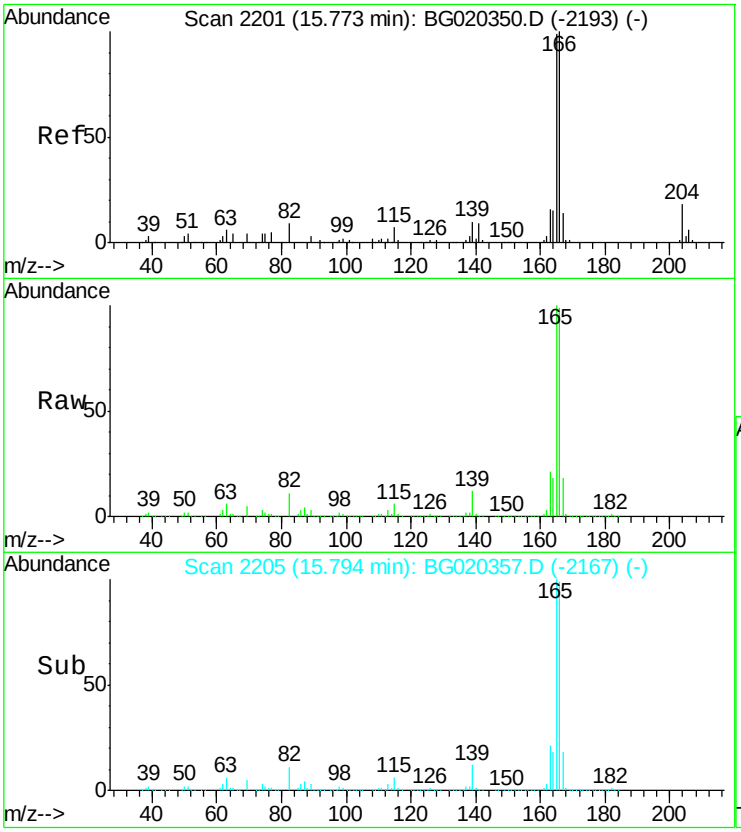


#55
2,4-Dinitrotoluene
Concen: 2.29 ng/ul
RT: 15.07 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:165 Resp: 3702

Ion	Ratio	Lower	Upper
165	100		
63	19.2	35.8	53.8#
182	162.9	2.2	3.2#



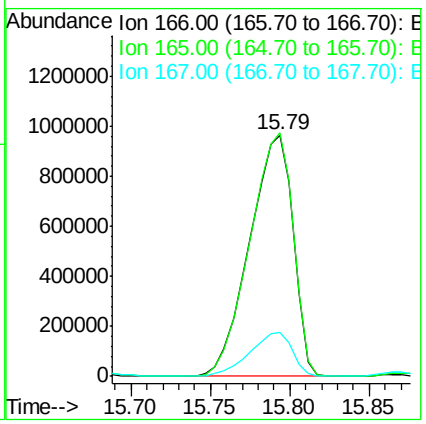


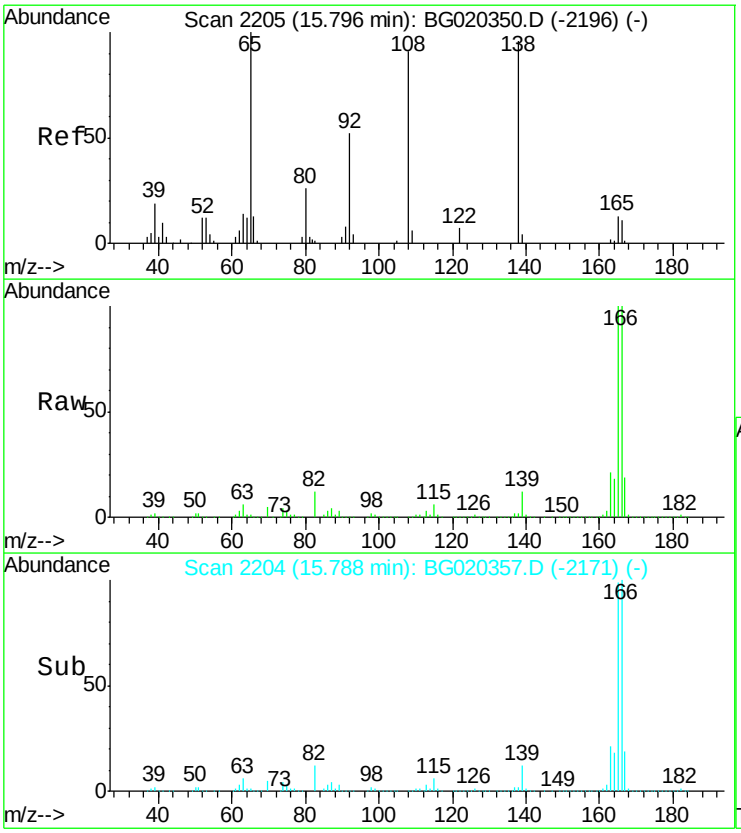
#59
Fluorene
Concen: 355.84 ng/ul
RT: 15.79 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tgt Ion:166 Resp: 1839484

Ion	Ratio	Lower	Upper
166	100		
165	100.8	81.4	122.0
167	18.4	11.2	16.8#

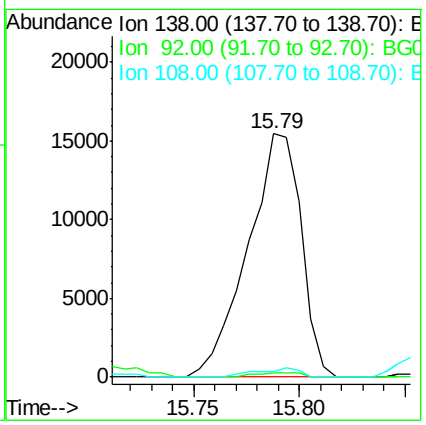


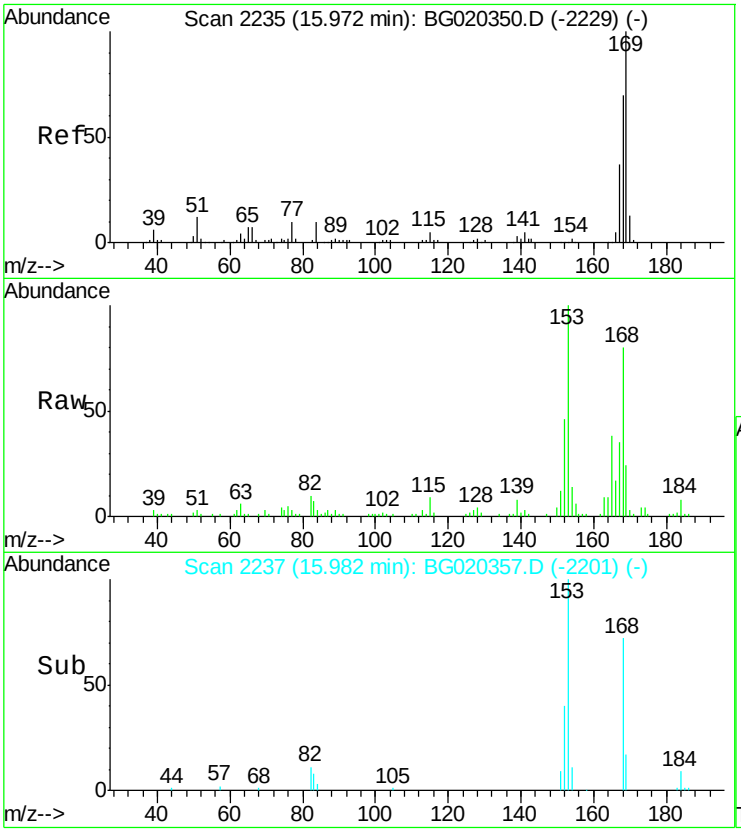


#61
4-Nitroaniline
Concen: 23.48 ng/ul
RT: 15.79 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:138 Resp: 27095

Ion	Ratio	Lower	Upper
138	100		
92	1.6	45.2	67.8#
108	2.5	75.4	113.0#



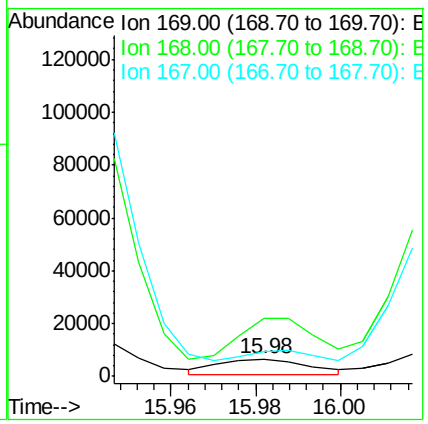


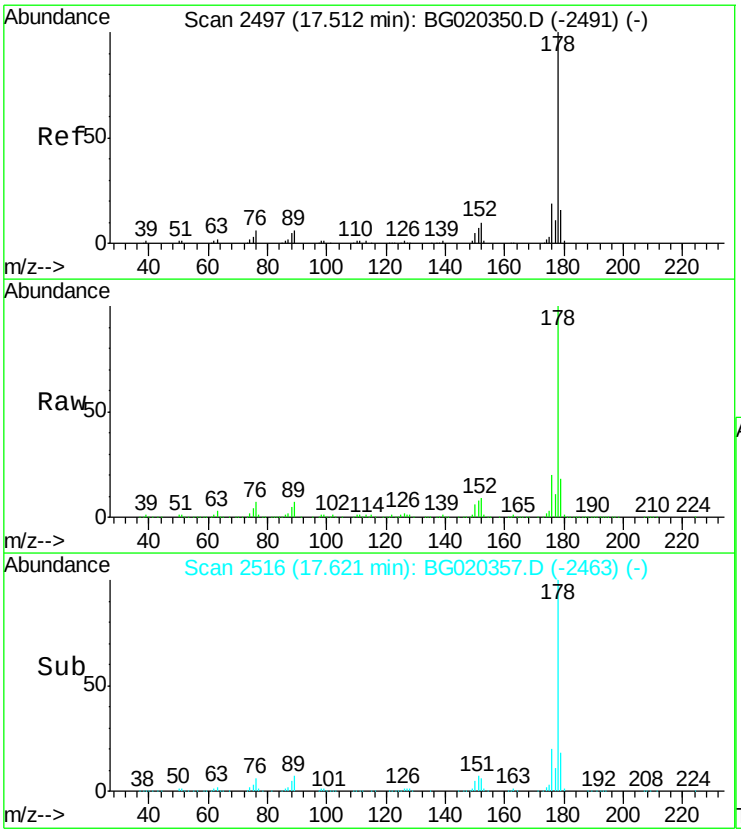
#65
N-Nitrosodiphenylamine
Concen: 2.34 ng/ul
RT: 15.98 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tgt Ion:169 Resp: 8933

Ion	Ratio	Lower	Upper
169	100		
168	335.2	54.3	81.5#
167	145.1	31.8	47.8#

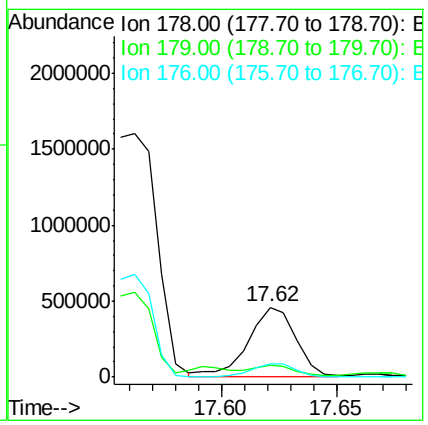


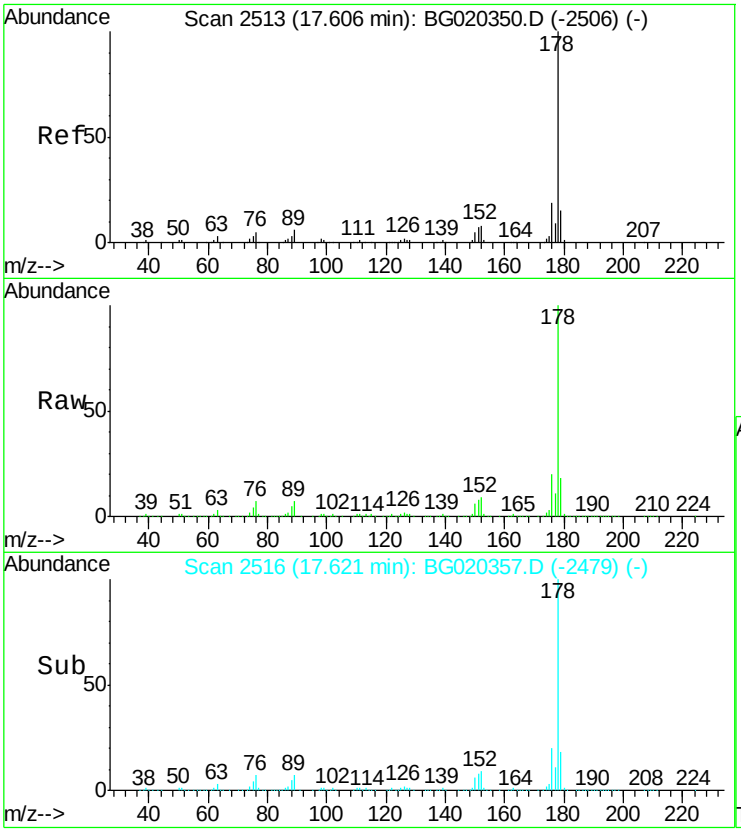


#70
Phenanthrene
Concen: 87.01 ng/ul
RT: 17.62 min Scan# 2516
Delta R.T. 0.11 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:178 Resp: 654226

Ion	Ratio	Lower	Upper
178	100		
179	17.8	12.9	19.3
176	19.9	15.3	22.9



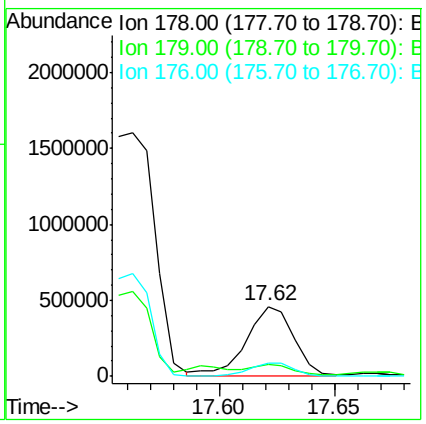


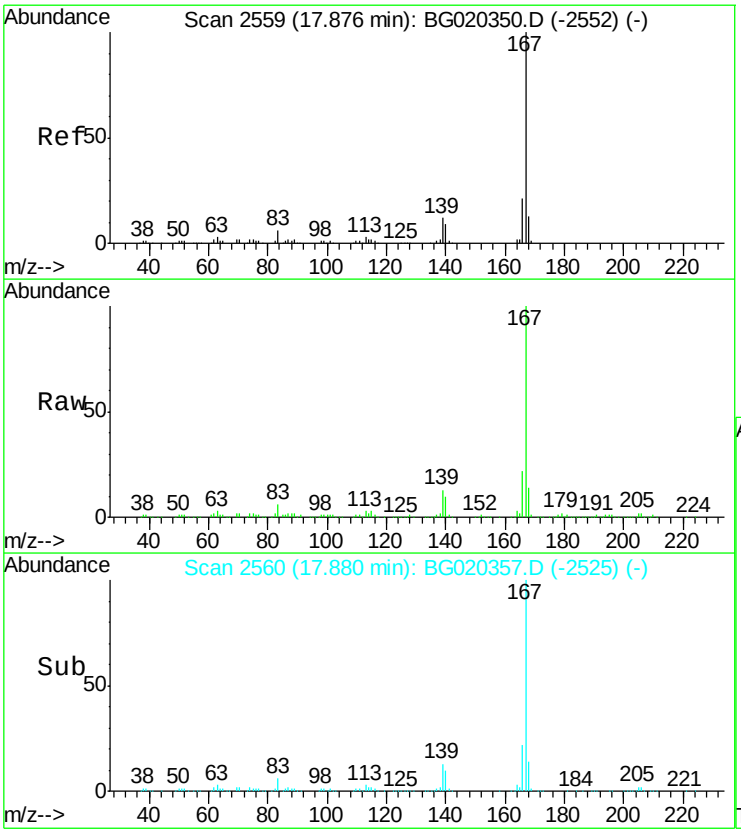
#72
Anthracene
Concen: 86.49 ng/ul
RT: 17.62 min Scan# 2516
Delta R.T. 0.02 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tgt Ion:178 Resp: 659594

Ion	Ratio	Lower	Upper
178	100		
179	17.8	12.3	18.5
176	19.9	14.3	21.5

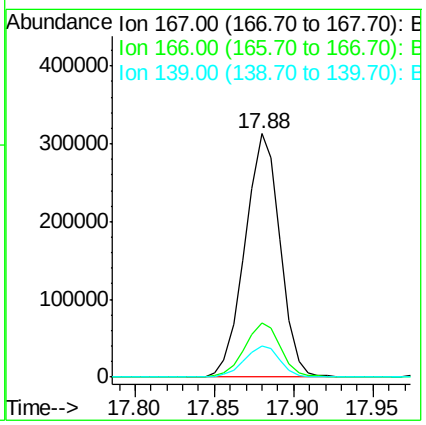


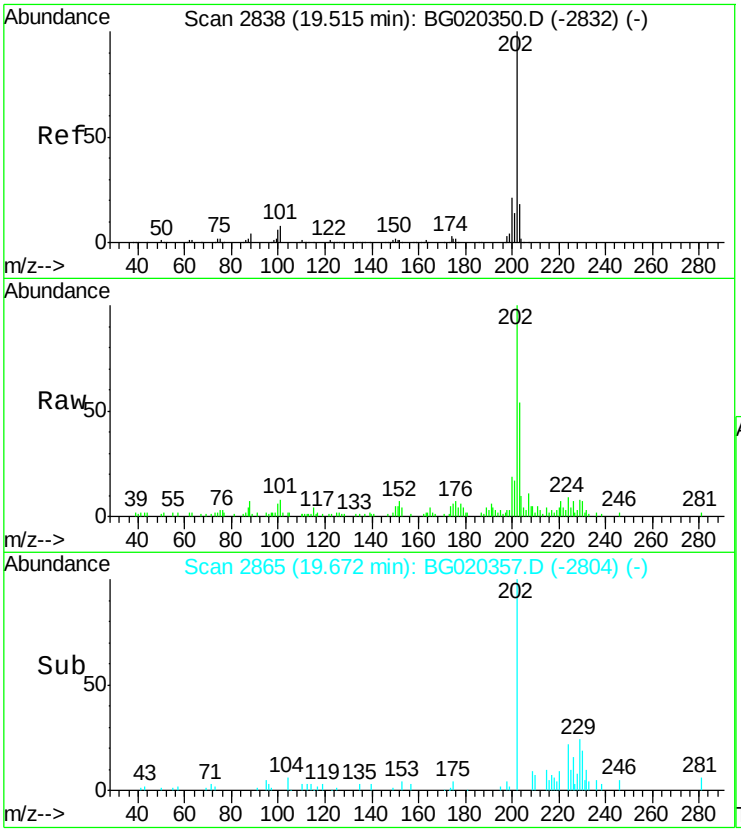


#75
Carbazole
Concen: 74.81 ng/ul
RT: 17.88 min Scan# 2560
Delta R.T. 0.00 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:167 Resp: 479374

Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.0	25.6
139	12.8	10.1	15.1



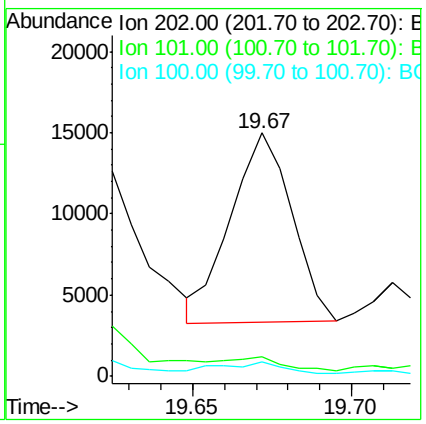


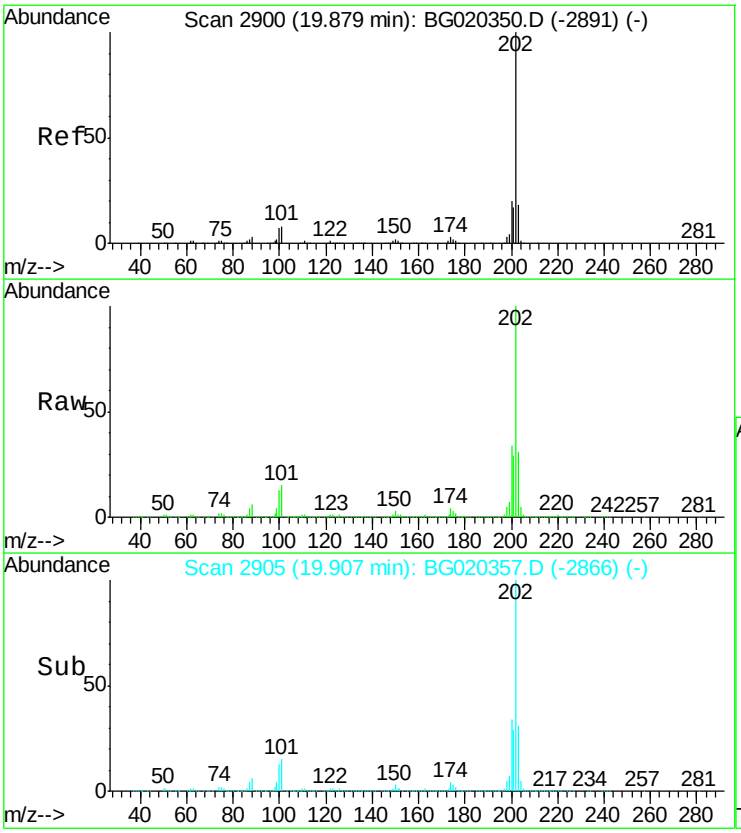
#77
Fluoranthene
Concen: 1.77 ng/ul
RT: 19.67 min Scan# 2865
Delta R.T. 0.16 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tgt Ion:202 Resp: 15555

Ion	Ratio	Lower	Upper
202	100		
101	8.1	6.2	9.4
100	6.0	5.1	7.7

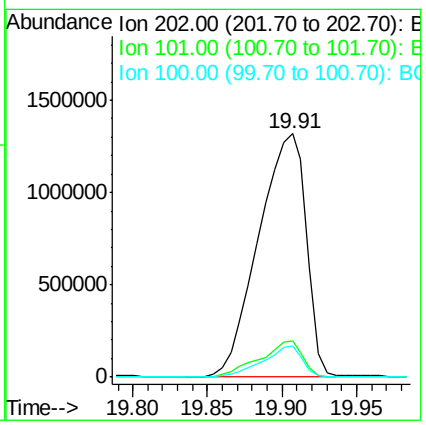


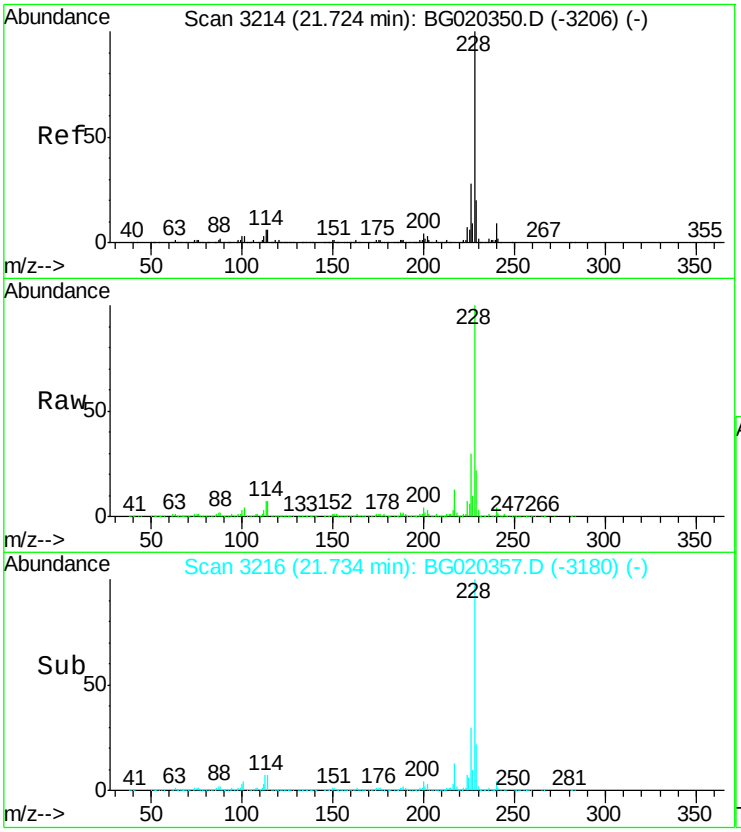


#80
Pyrene
Concen: 271.73 ng/ul
RT: 19.91 min Scan# 2905
Delta R.T. 0.03 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:202 Resp: 2918164

Ion	Ratio	Lower	Upper
202	100		
101	14.8	7.0	10.4#
100	13.0	6.4	9.6#



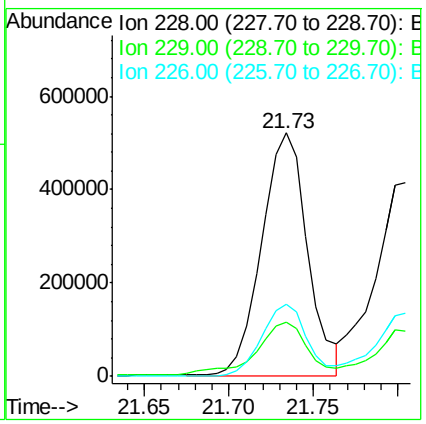


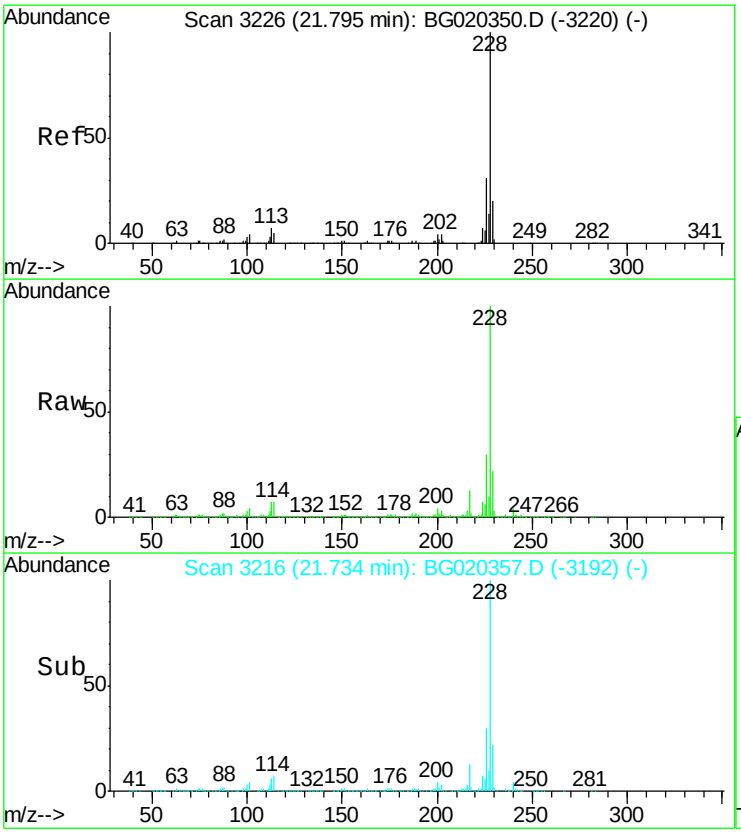
#83
Benzo(a)anthracene
Concen: 94.94 ng/ul
RT: 21.73 min Scan# 3216
Delta R.T. 0.01 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tgt Ion:228 Resp: 983000

Ion	Ratio	Lower	Upper
228	100		
229	22.3	15.8	23.8
226	29.6	21.8	32.6

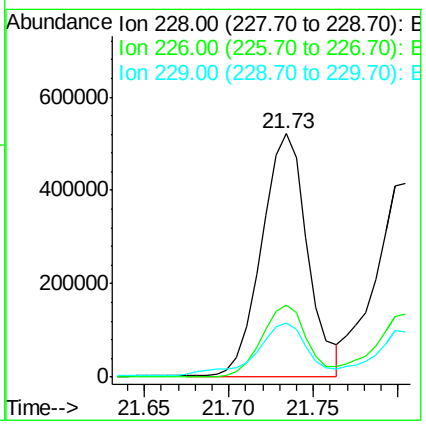


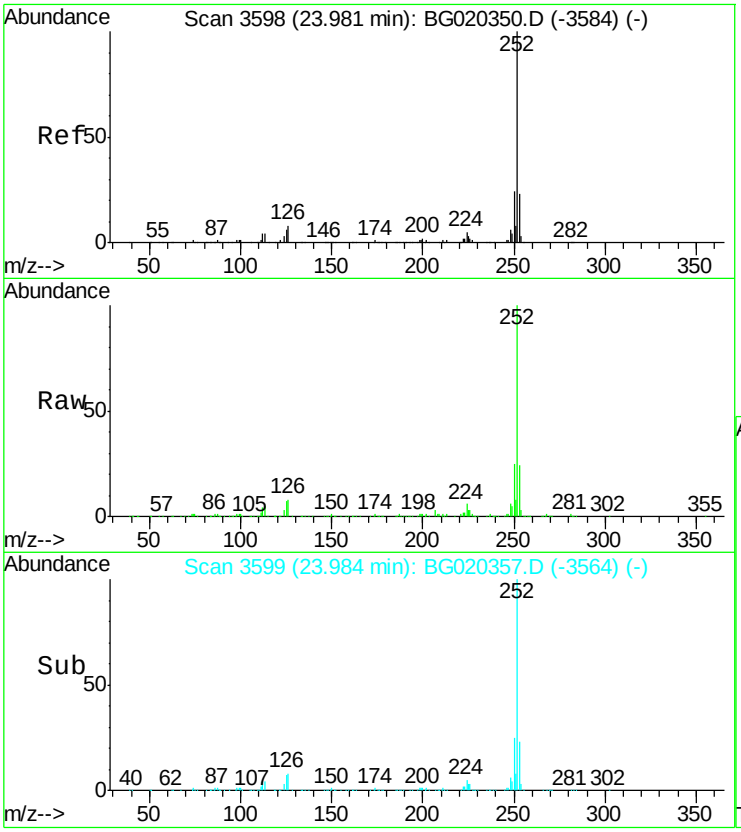


#85
Chrysene
Concen: 100.70 ng/ul
RT: 21.73 min Scan# 3216
Delta R.T. -0.06 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:228 Resp: 981964

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	22.3	15.6	23.4



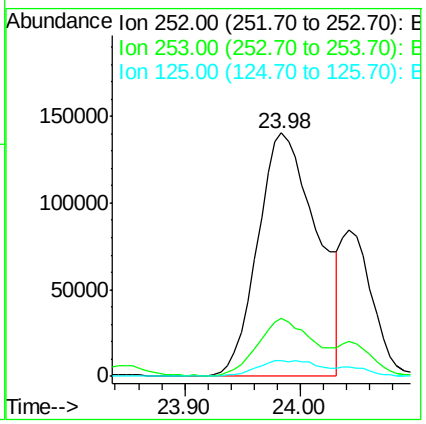


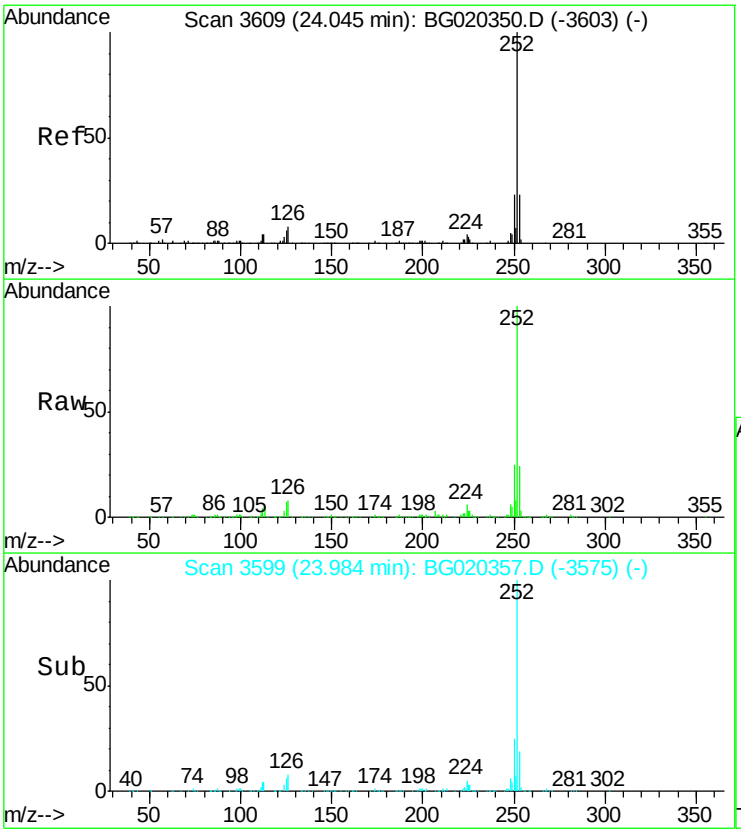
#88
Benzo(b)fluoranthene
Concen: 49.75 ng/ul
RT: 23.98 min Scan# 3599
Delta R.T. 0.00 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tgt Ion:252 Resp: 498550

Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.7	25.1
125	6.5	6.2	9.2

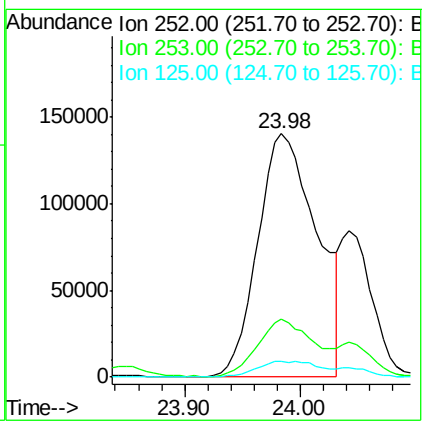


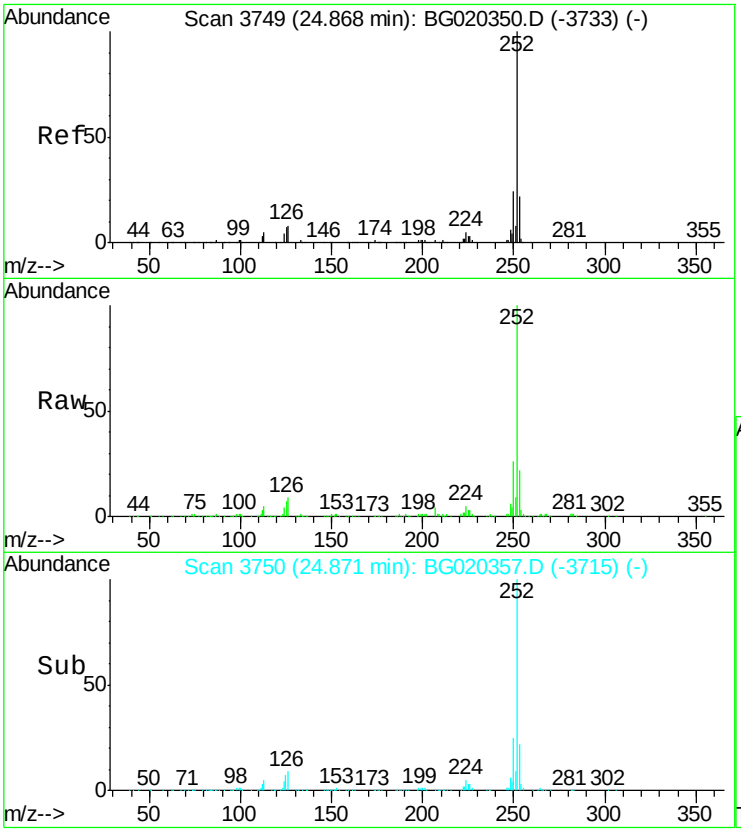


#89
Benzo(k)fluoranthene
Concen: 51.84 ng/ul
RT: 23.98 min Scan# 3599
Delta R.T. -0.06 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:252 Resp: 498550

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	6.5	5.8	8.6



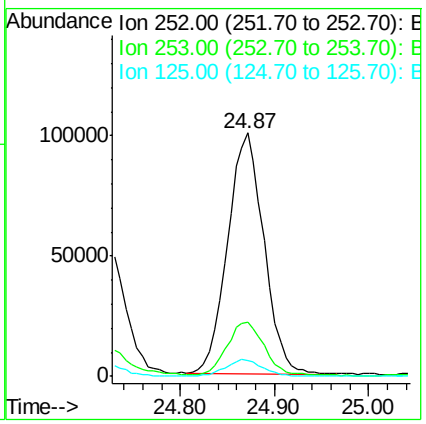


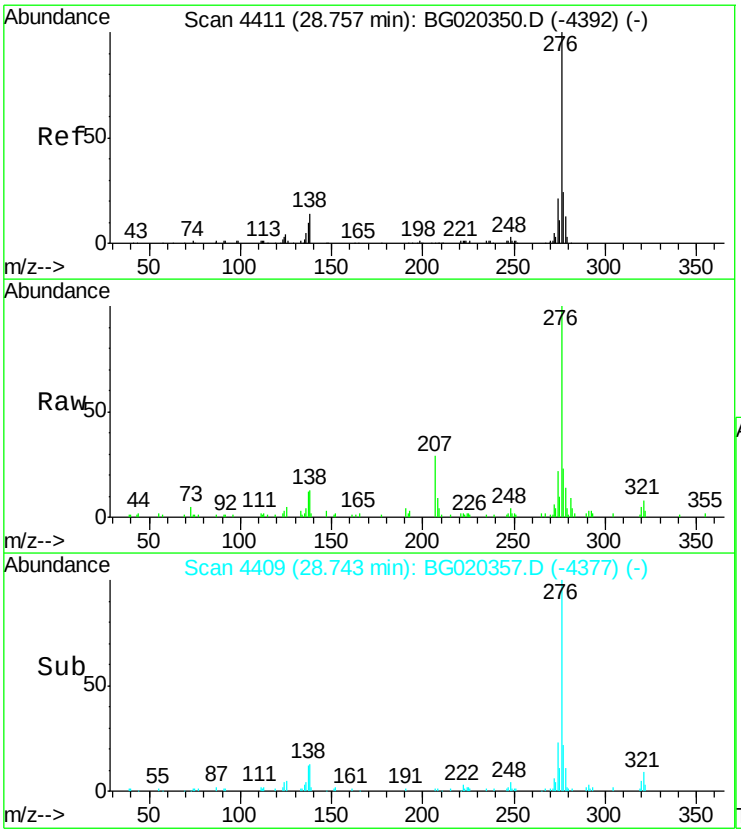
#91
Benzo(a)pyrene
Concen: 28.19 ng/ul
RT: 24.87 min Scan# 3750
Delta R.T. 0.00 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tgt Ion:252 Resp: 267760

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.4
125	6.7	6.2	9.4

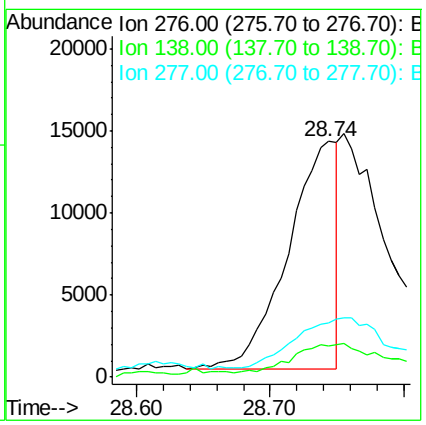


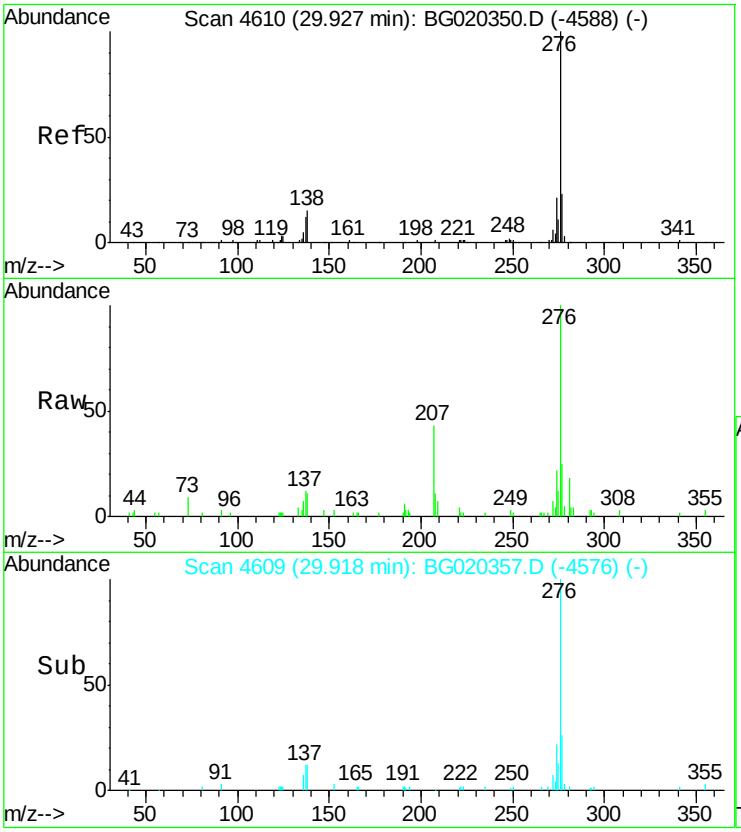


#92
Indeno(1,2,3-cd)pyrene
Concen: 3.14 ng/ul
RT: 28.74 min Scan# 4409
Delta R.T. -0.01 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Tgt Ion:276 Resp: 35505

Ion	Ratio	Lower	Upper
276	100		
138	13.5	11.4	17.0
277	23.2	17.4	26.0





#94
Benzo(g,h,i)perylene
Concen: 5.11 ng/ul
RT: 29.92 min Scan# 4609
Delta R.T. -0.01 min
Lab File: BG020357.D
Acq: 21 Dec 2015 00:35

Instrument :
BNA_G
ClientSampleId :
D9N49

Tgt Ion:276 Resp: 47369

Ion	Ratio	Lower	Upper
276	100		
138	11.5	10.8	16.2
277	25.1	19.9	29.9