Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020245.D
Acq On : 17 Dec 2015 6:43
Operator : UM/SJ
Sample : G4767-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40

Quant Time: Dec 17 07:51:52 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	22281	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	102952	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	76943	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.49	188	158537	20.00	ng/ul	0.02
78) Chrysene-d12	21.75	240	190813	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	180559	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	1808	4.48	ng/uL	0.00
5) Phenol-d5	7.25	99	55959	28.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	33135	28.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	43756	30.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	49538	29.48	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	23381	29.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	28006	31.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	53411	29.53	ng/ul	0.01
29) 4-Chloroaniline-d4	11.05	131	62855	30.93	ng/ul	0.00
44) Dimethylphthalate-d6	14.14	166	168974	27.15	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	199950	27.61	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	28572	25.60	ng/ul	0.01
58) Fluorene-d10	15.72	176	147367	26.11	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.87	200	2328	2.48	ng/ul	0.04
71) Anthracene-d10	17.60	188	216763	29.67	ng/ul	0.04
79) Pyrene-d10	19.86	212	257641	28.97	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.80	264	281461	31.25	ng/ul	0.01
Target Compounds						Qvalue
17) Hexachloroethane	9.21	117	1324	2.11	ng/ul#	1
28) Naphthalene	11.00	128	3693005	686.90	ng/ul#	75
30) 4-Chloroaniline	11.00	127	707578	341.13	ng/ul#	15
34) 2-Methylnaphthalene	12.58	142	1557255	379.20	ng/ul	100
35) 1-Methylnaphthalene	12.79	142	827604	209.62	ng/ul#	96
41) 1,1'-Biphenyl	13.57	154	735122	126.64	ng/ul	100
43) 2-Nitroaniline	13.77	65	3765	2.38	ng/ul#	34
45) Dimethylphthalate	14.18	163	69719	10.97	ng/ul	99
48) Acenaphthylene	14.45	152	263787	34.29	ng/ul	97
50) Acenaphthene	14.82	153	2599461	502.22	ng/ul#	88
54) Dibenzofuran	15.15	168	2615777	339.73	ng/ul#	75
55) 2,4-Dinitrotoluene	15.08	165	4677	2.42	ng/ul#	45
59) Fluorene	15.80	166	2524737	408.33	ng/ul#	97
61) 4-Nitroaniline	15.80	138	40860	29.61	ng/ul#	13
65) N-Nitrosodiphenylamine	15.99	169	12813	2.91	ng/ul#	1
70) Phenanthrene	17.57	178	6607045	761.91	ng/ul#	41
72) Anthracene	17.63	178	1423326	161.83	ng/ul#	89
75) Carbazole	17.89	167	1056998	143.02	ng/ul	94
77) Fluoranthene	19.67	202	22188	2.19	ng/ul	98
80) Pyrene	19.91	202	3418256	295.99	ng/ul#	76
83) Benzo(a)anthracene	21.73	228	1072240	96.30	ng/ul	93
85) Chrysene	21.73	228	1071425	102.18	ng/ul	96
88) Benzo(b)fluoranthene	23.98	252	519159	47.77	ng/ul	96

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020245.D
Acq On : 17 Dec 2015 6:43
Operator : UM/SJ
Sample : G4767-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N40

Quant Time: Dec 17 07:51:52 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	23.98	252	519159	49.78	ng/ul	99
91) Benzo(a)pyrene	24.87	252	297234	28.85	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.74	276	82757	6.75	ng/ul	96
94) Benzo(g,h,i)perylene	29.90	276	61849	6.15	ng/ul	98

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020245.D
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Operator : UM/SJ
Sample : G4767-18
Misc :
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Instrument : BNA_G
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Quant Time: Dec 17 07:51:52 2015
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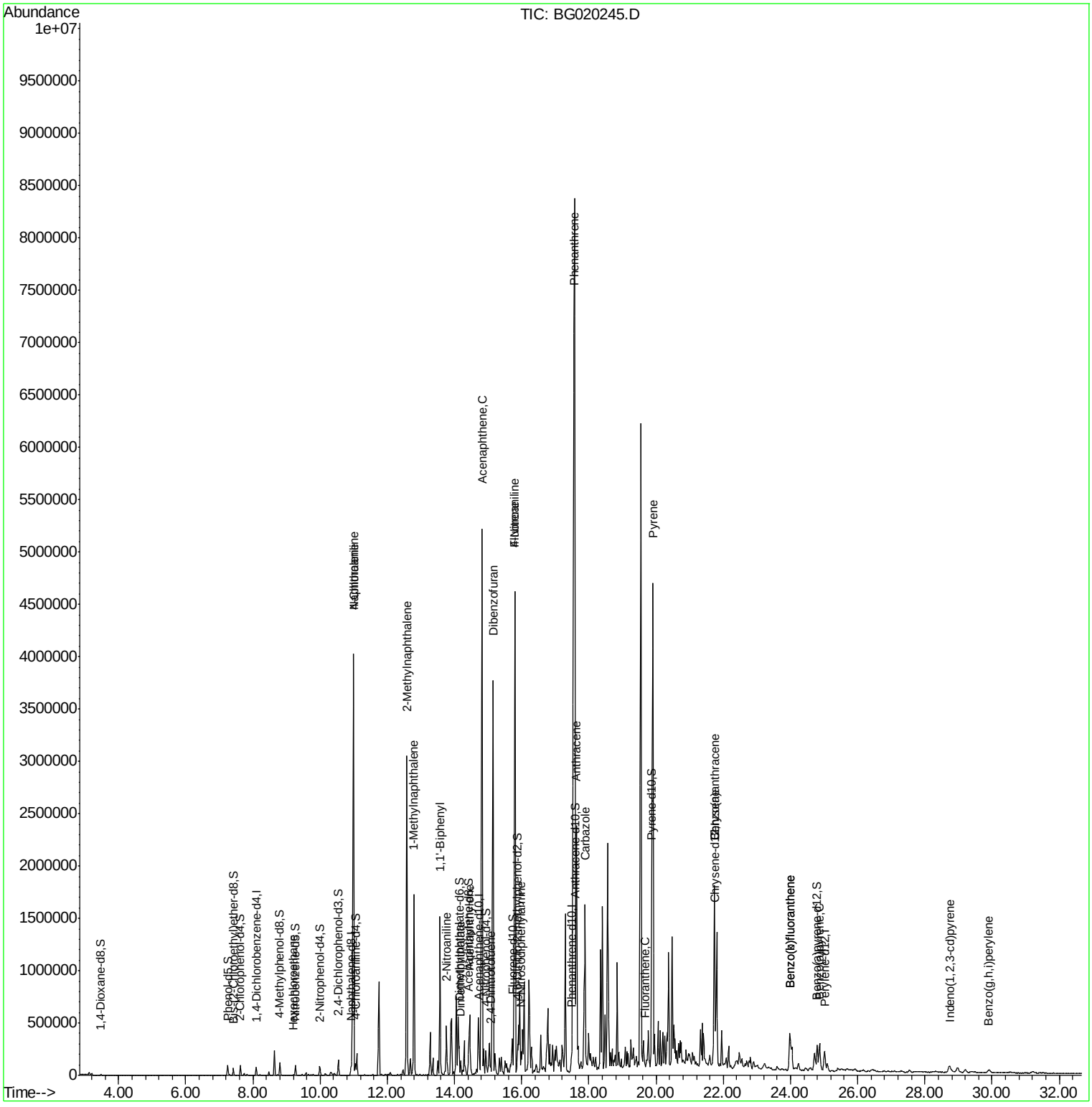
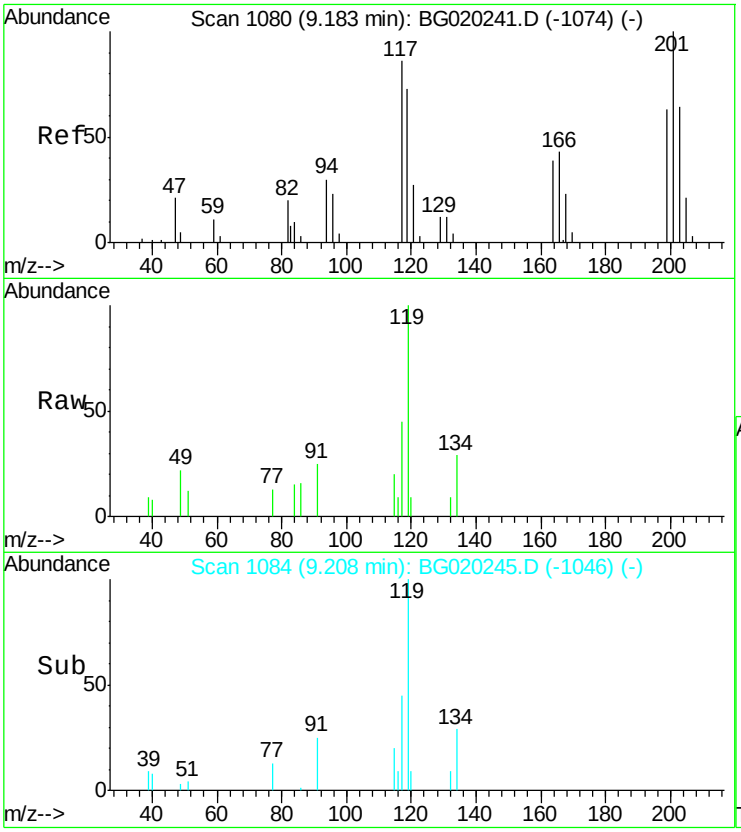
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
Response via : Initial Calibration



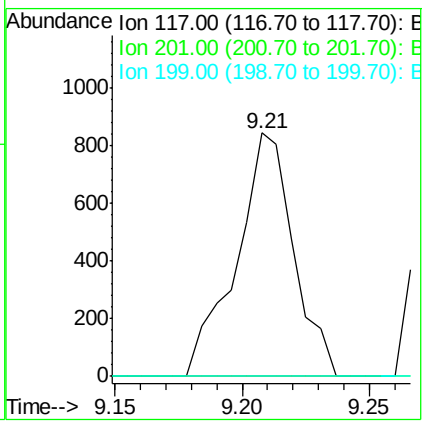


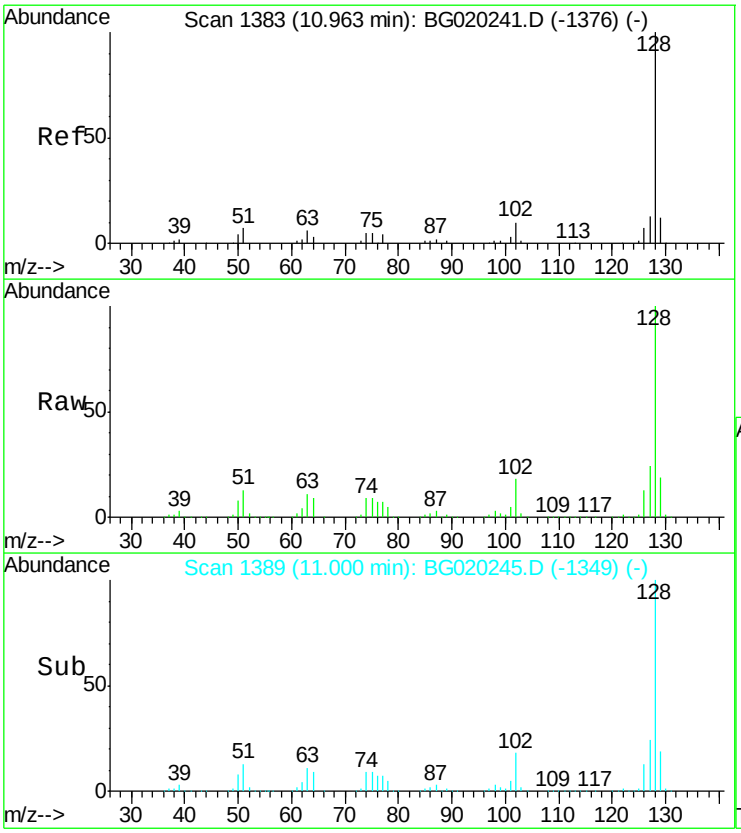
#17
Hexachloroethane
Concen: 2.11 ng/ul
RT: 9.21 min Scan# 1084
Delta R.T. 0.02 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion:117 Resp: 1324

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

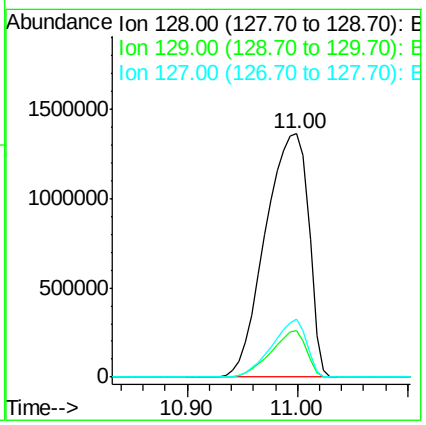


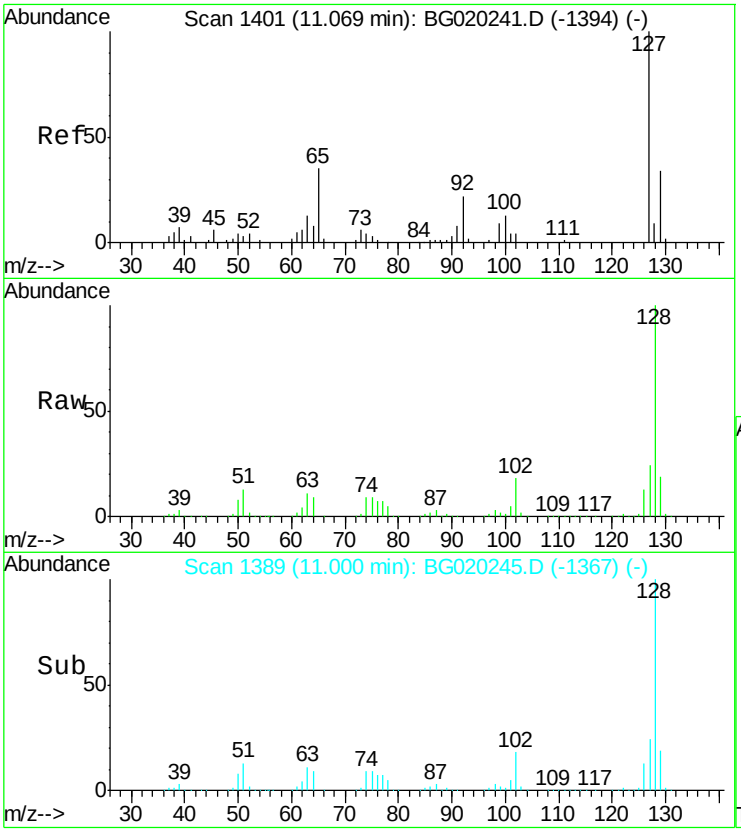


#28
Naphthalene
Concen: 686.90 ng/ul
RT: 11.00 min Scan# 1389
Delta R.T. 0.04 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion:128 Resp: 3693005

Ion	Ratio	Lower	Upper
128	100		
129	18.9	8.6	12.8#
127	23.6	10.1	15.1#



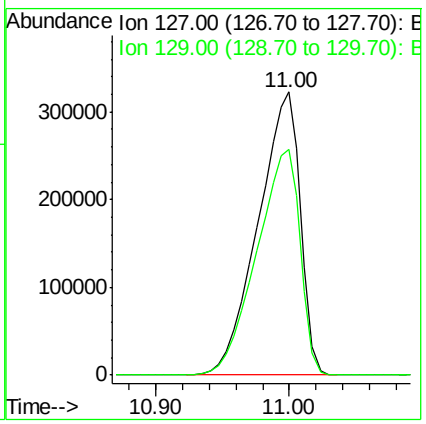


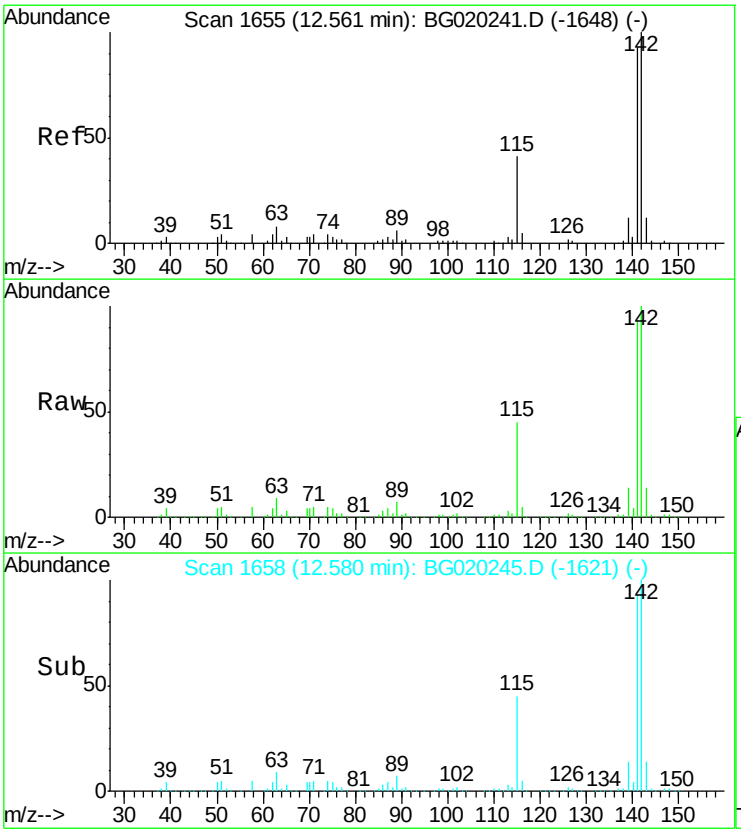
#30
4-Chloroaniline
Concen: 341.13 ng/ul
RT: 11.00 min Scan# 1389
Delta R.T. -0.07 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion:127 Resp: 707578

Ion	Ratio	Lower	Upper
127	100		
129	79.8	25.7	38.5#

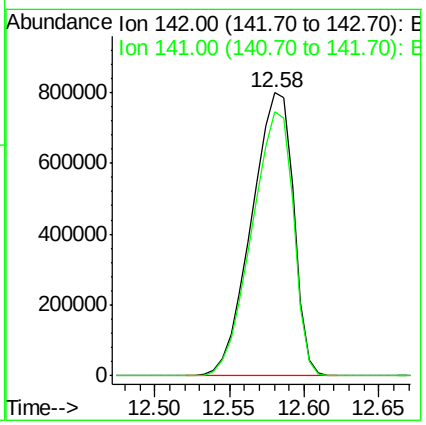


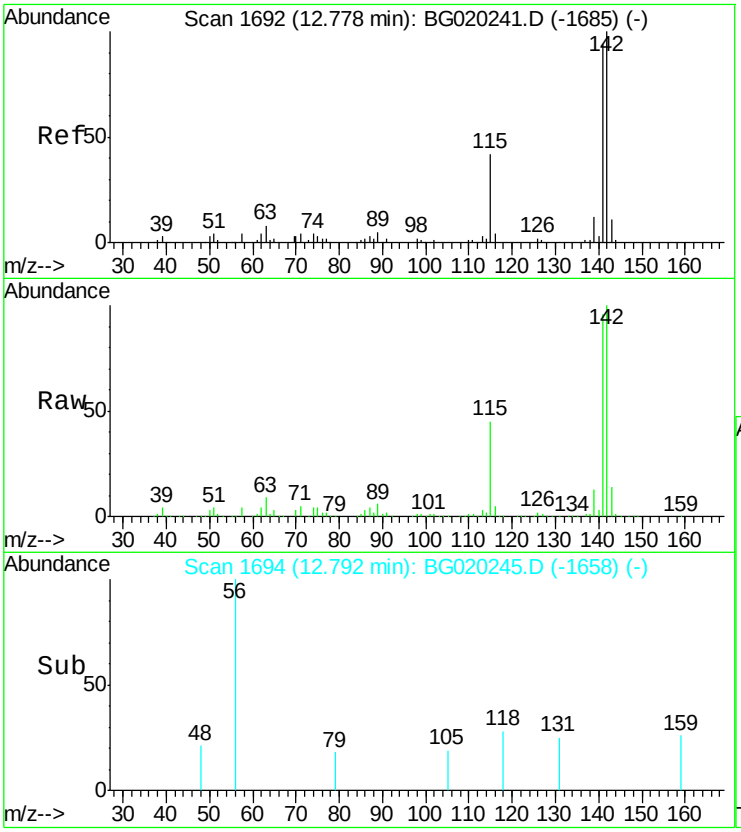


#34
2-Methylnaphthalene
Concen: 379.20 ng/ul
RT: 12.58 min Scan# 1658
Delta R.T. 0.02 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion:142 Resp: 1557255

Ion	Ratio	Lower	Upper
142	100		
141	93.4	74.9	112.3



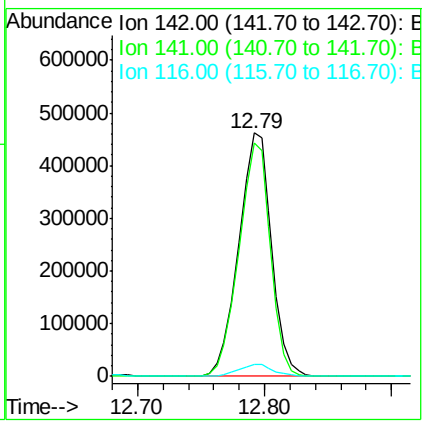


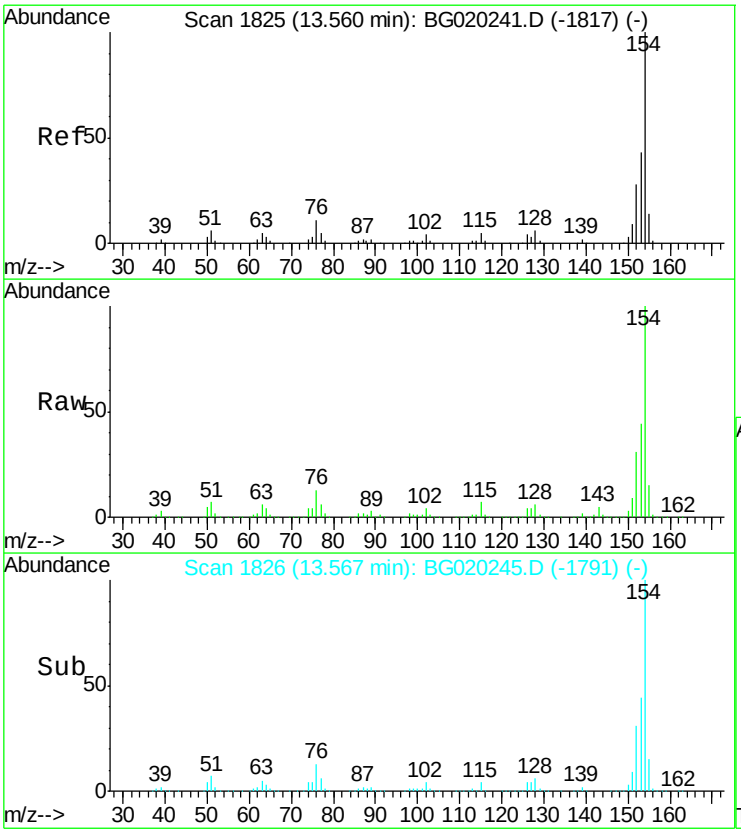
#35
1-Methylnaphthalene
Concen: 209.62 ng/ul
RT: 12.79 min Scan# 1694
Delta R.T. 0.01 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion:142 Resp: 827604

Ion	Ratio	Lower	Upper
142	100		
141	95.6	73.0	109.6
116	4.9	3.0	4.6#

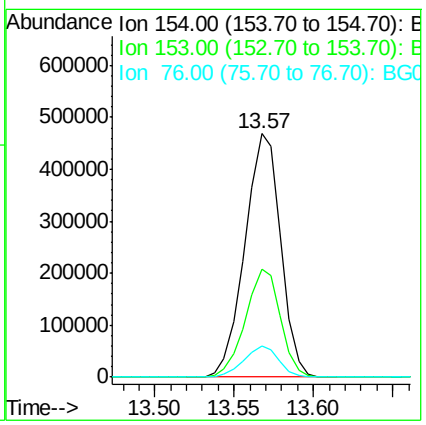


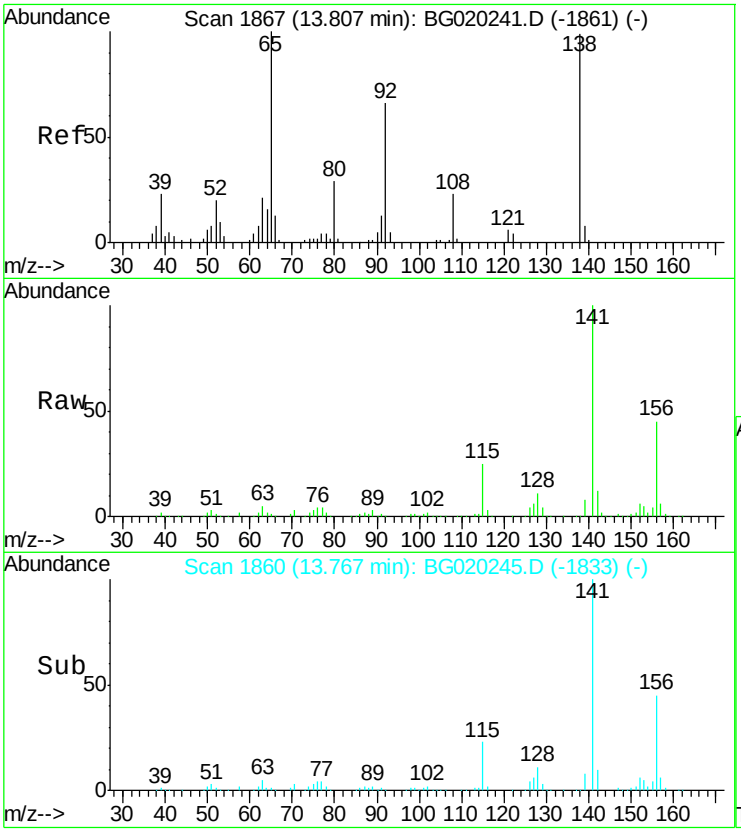


#41
1,1'-Biphenyl
Concen: 126.64 ng/ul
RT: 13.57 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion:154 Resp: 735122

Ion	Ratio	Lower	Upper
154	100		
153	44.3	35.5	53.3
76	12.8	10.4	15.6



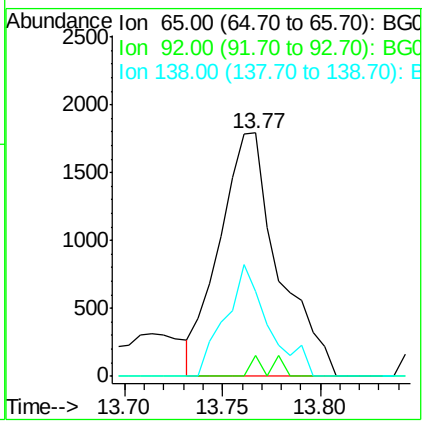


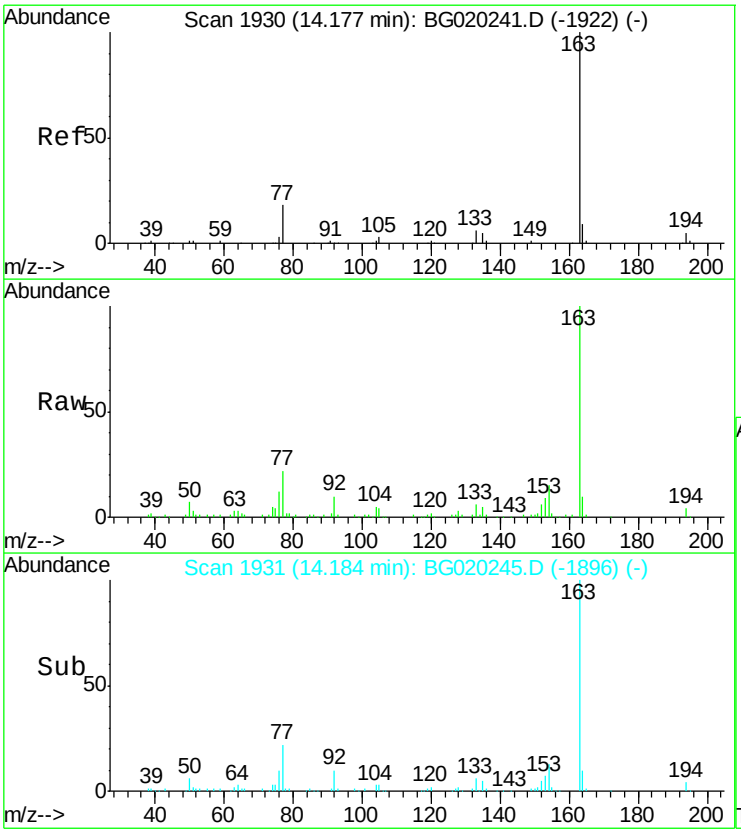
#43
2-Nitroaniline
Concen: 2.38 ng/ul
RT: 13.77 min Scan# 1860
Delta R.T. -0.04 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion: 65 Resp: 3765

Ion	Ratio	Lower	Upper
65	100		
92	8.6	53.1	79.7#
138	35.0	76.6	114.8#

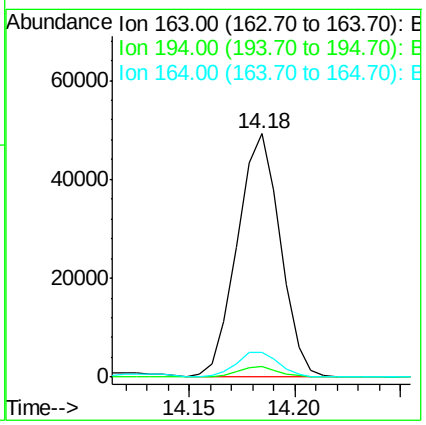


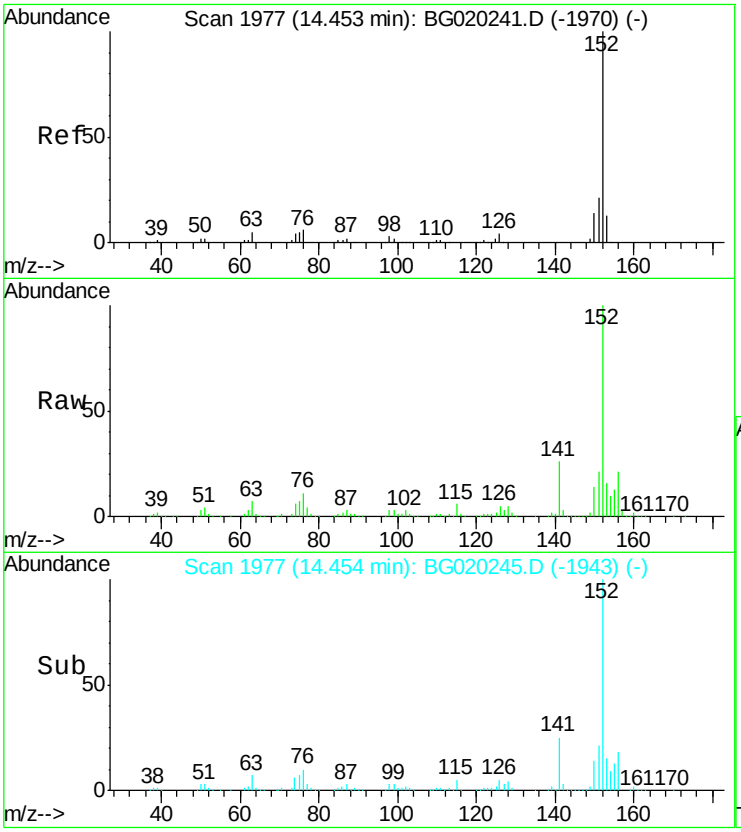


#45
Dimethylphthalate
Concen: 10.97 ng/ul
RT: 14.18 min Scan# 1931
Delta R.T. 0.01 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion:163 Resp: 69719

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.2	7.7	11.5



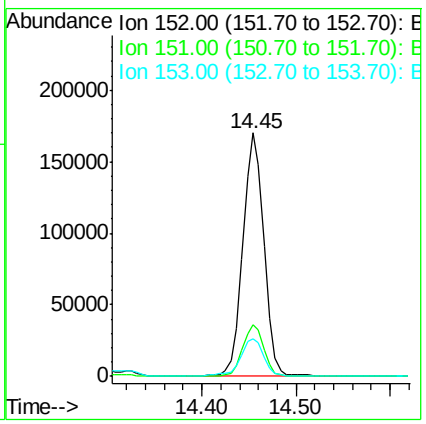


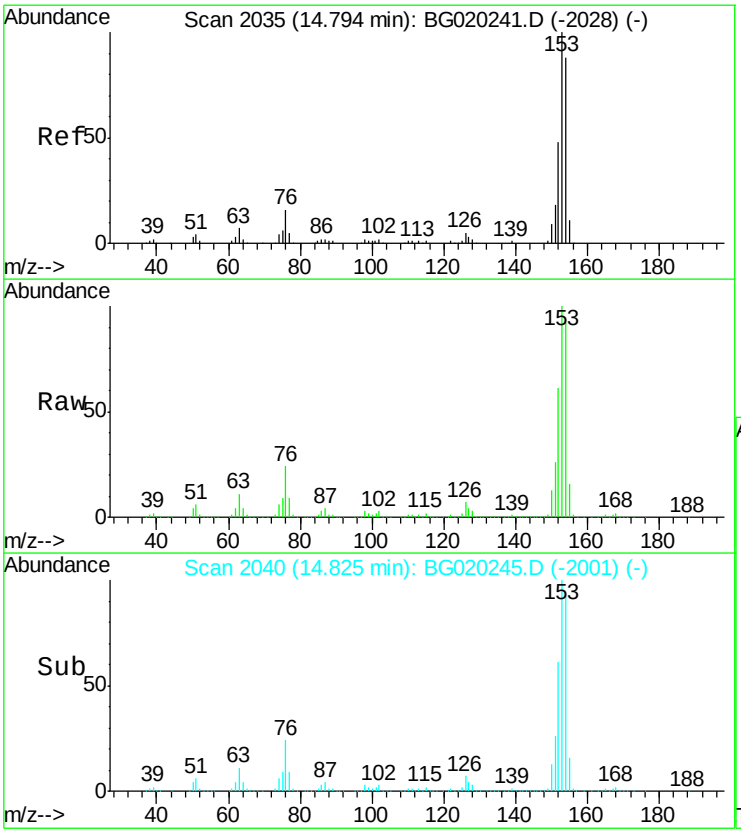
#48
Acenaphthylene
Concen: 34.29 ng/ul
RT: 14.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion:152 Resp: 263787

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.4	24.6
153	15.5	10.4	15.6

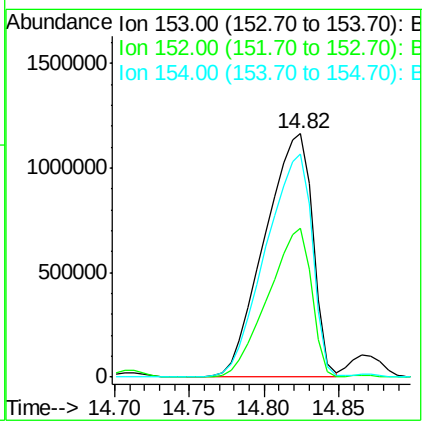


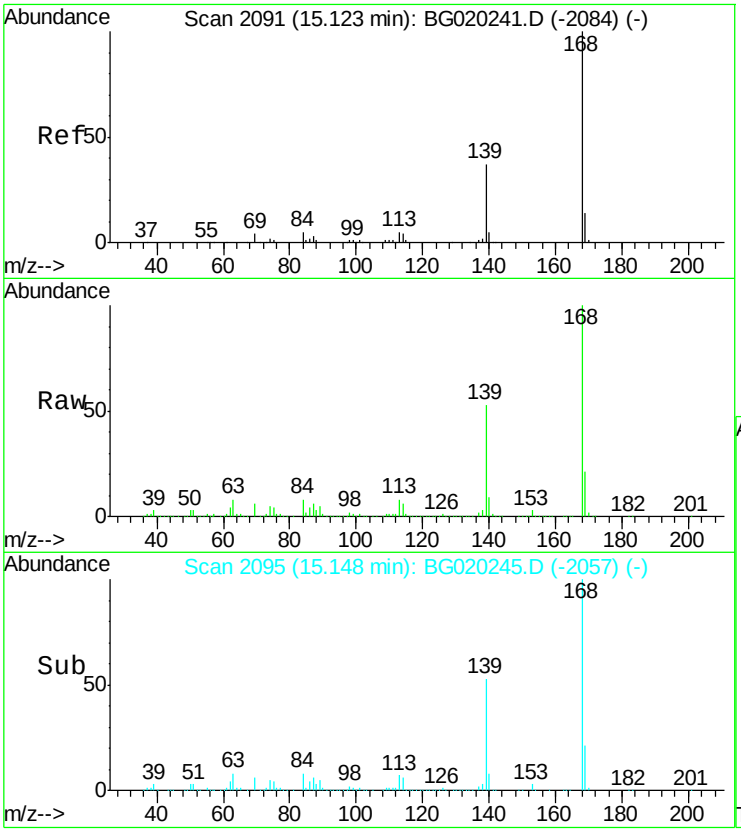


#50
Acenaphthene
Concen: 502.22 ng/ul
RT: 14.82 min Scan# 2040
Delta R.T. 0.03 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion:153 Resp: 2599461

Ion	Ratio	Lower	Upper
153	100		
152	60.9	37.6	56.4#
154	91.6	67.9	101.9



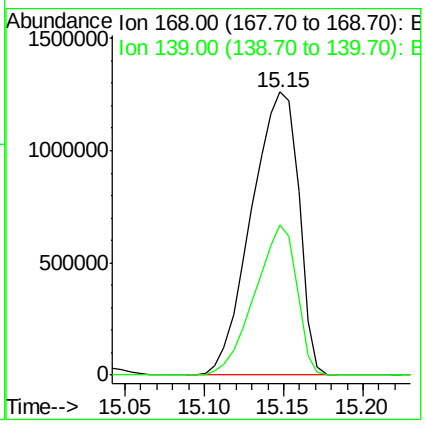


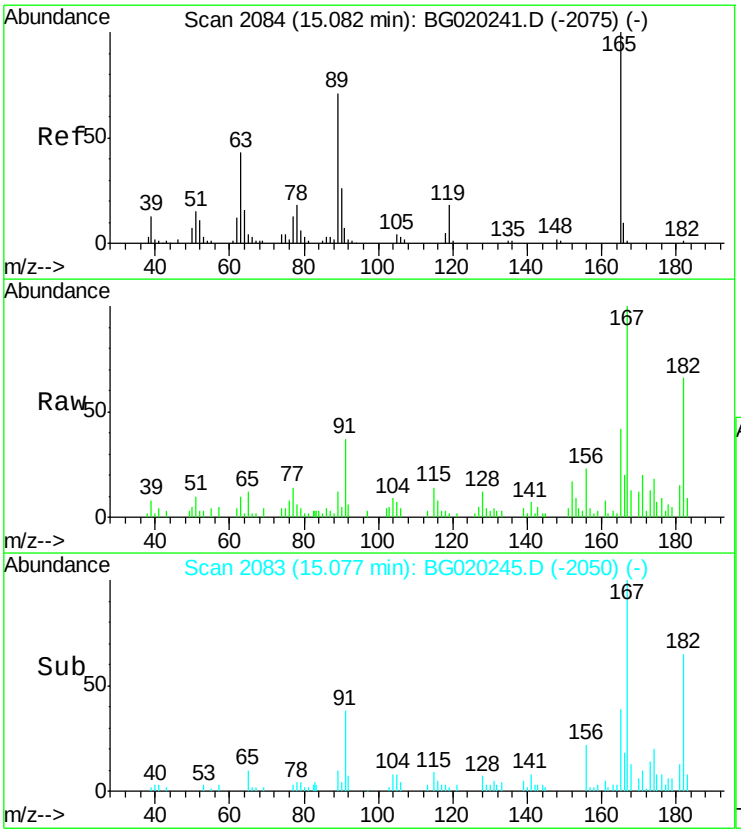
#54
Dibenzofuran
Concen: 339.73 ng/ul
RT: 15.15 min Scan# 2095
Delta R.T. 0.02 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion:168 Resp: 2615777

Ion	Ratio	Lower	Upper
168	100		
139	52.9	30.5	45.7#

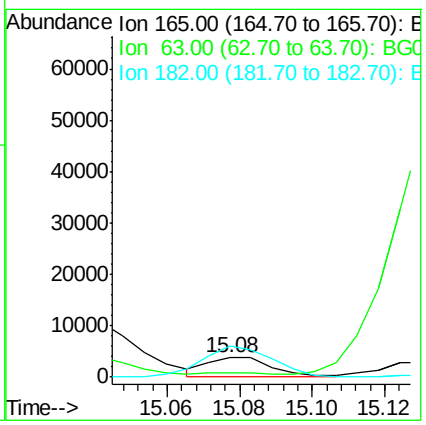


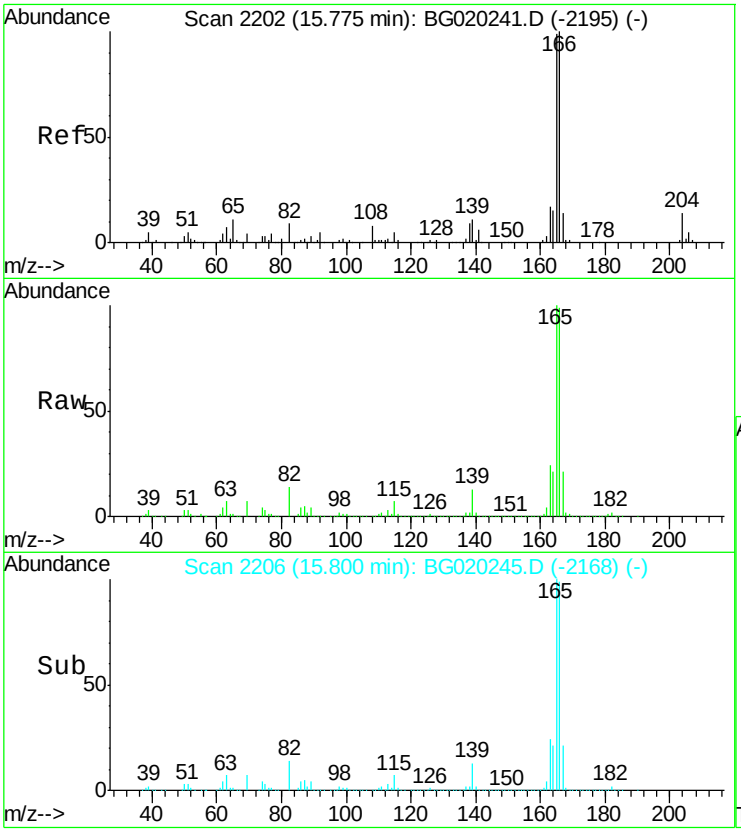


#55
2,4-Dinitrotoluene
Concen: 2.42 ng/ul
RT: 15.08 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion:165 Resp: 4677

Ion	Ratio	Lower	Upper
165	100		
63	24.8	35.8	53.8#
182	159.3	2.2	3.2#



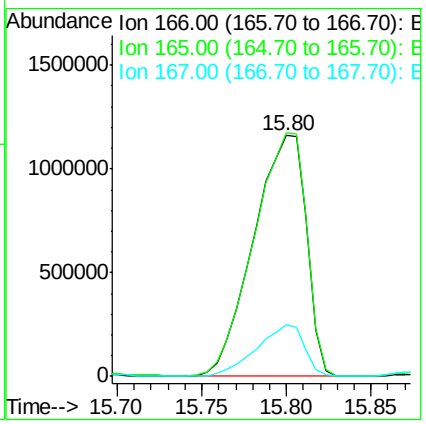


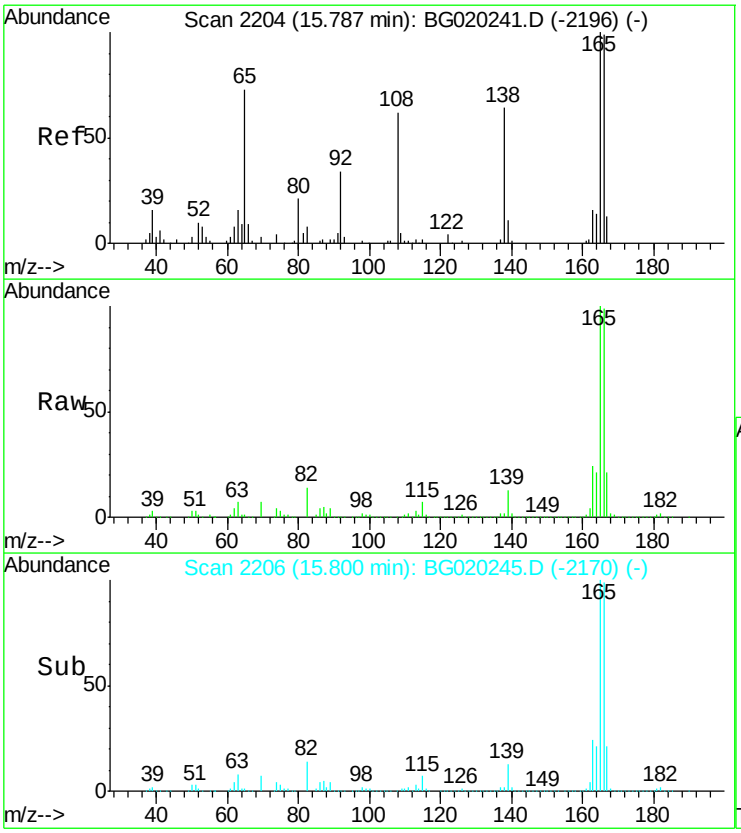
#59
Fluorene
Concen: 408.33 ng/ul
RT: 15.80 min Scan# 2206
Delta R.T. 0.02 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion:166 Resp: 2524737

Ion	Ratio	Lower	Upper
166	100		
165	101.1	81.4	122.0
167	21.2	11.2	16.8#

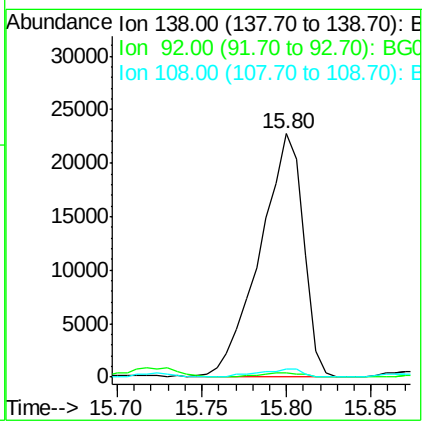


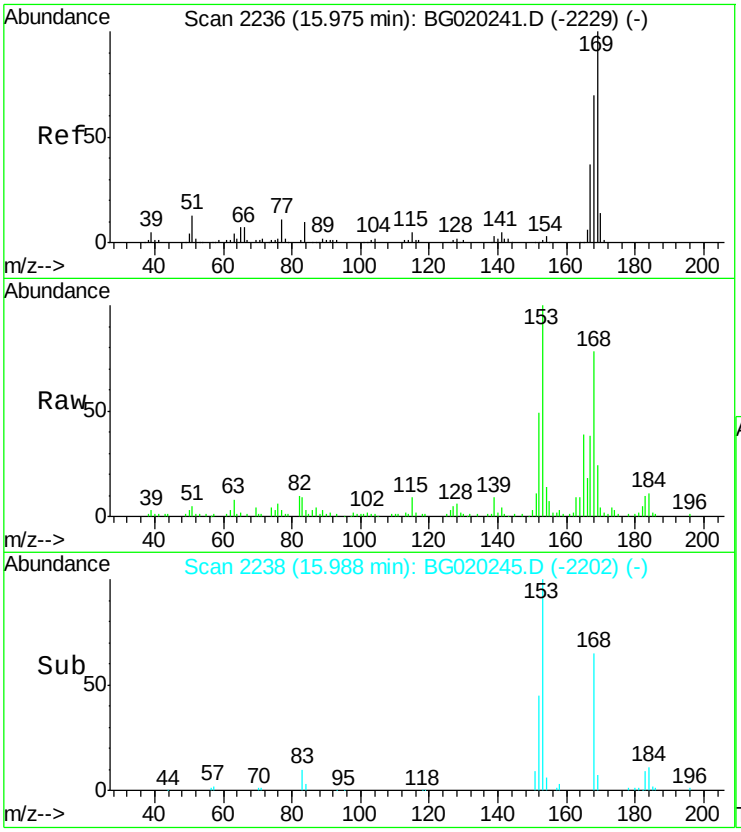


#61
4-Nitroaniline
Concen: 29.61 ng/ul
RT: 15.80 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion:138 Resp: 40860

Ion	Ratio	Lower	Upper
138	100		
92	1.7	45.2	67.8#
108	3.2	75.4	113.0#



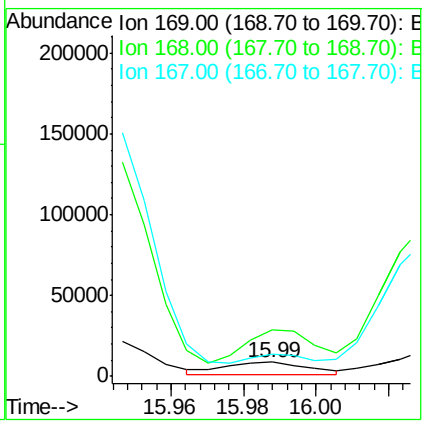


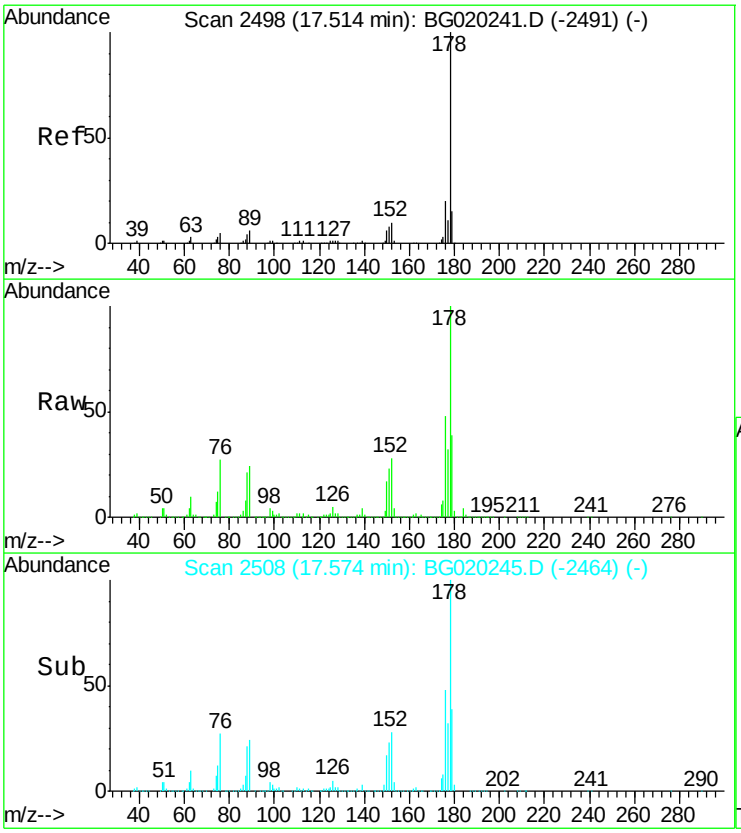
#65
N-Nitrosodiphenylamine
Concen: 2.91 ng/ul
RT: 15.99 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion:169 Resp: 12813

Ion	Ratio	Lower	Upper
169	100		
168	331.8	54.3	81.5#
167	161.7	31.8	47.8#

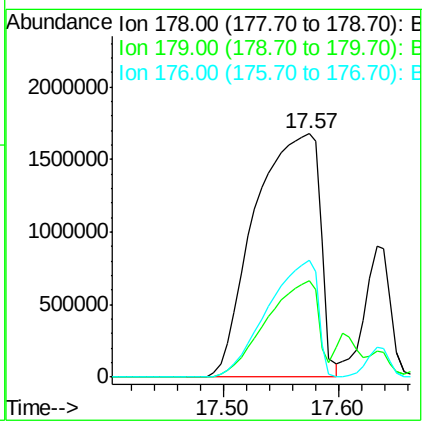


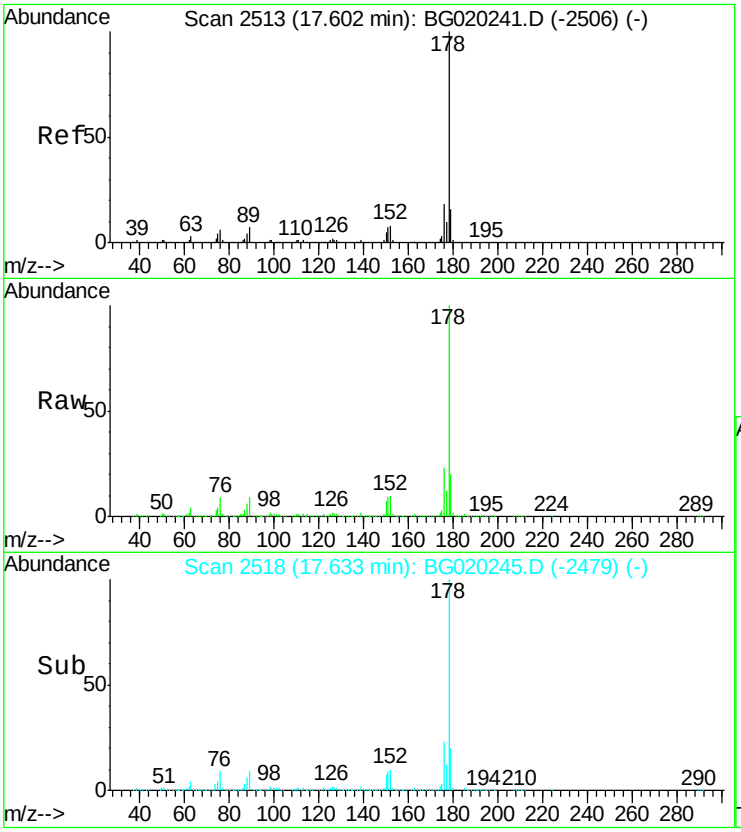


#70
Phenanthrene
Concen: 761.91 ng/ul
RT: 17.57 min Scan# 2508
Delta R.T. 0.06 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion:178 Resp: 6607045

Ion	Ratio	Lower	Upper
178	100		
179	39.4	12.9	19.3#
176	47.8	15.3	22.9#



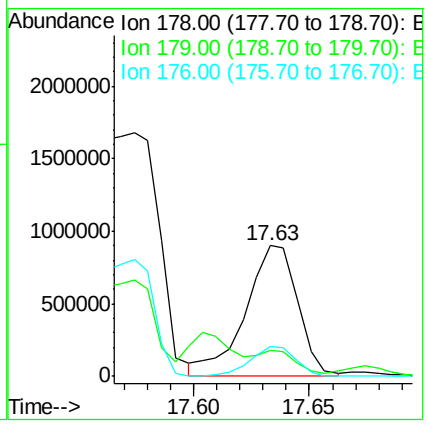


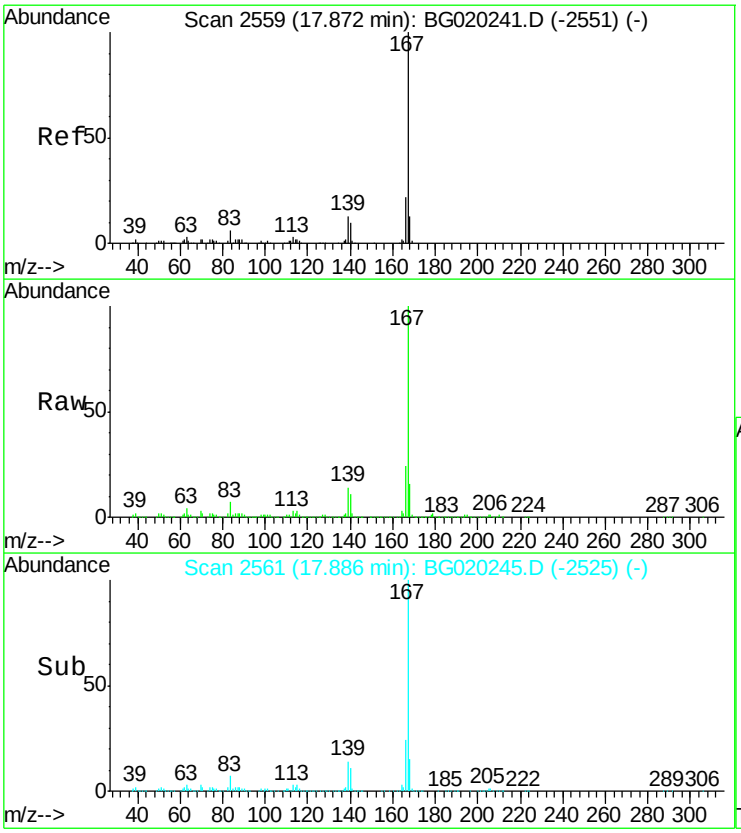
#72
Anthracene
Concen: 161.83 ng/ul
RT: 17.63 min Scan# 2518
Delta R.T. 0.03 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion:178 Resp: 1423326

Ion	Ratio	Lower	Upper
178	100		
179	20.1	12.3	18.5#
176	22.8	14.3	21.5#

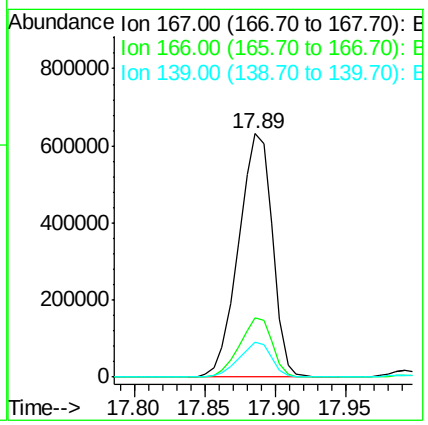


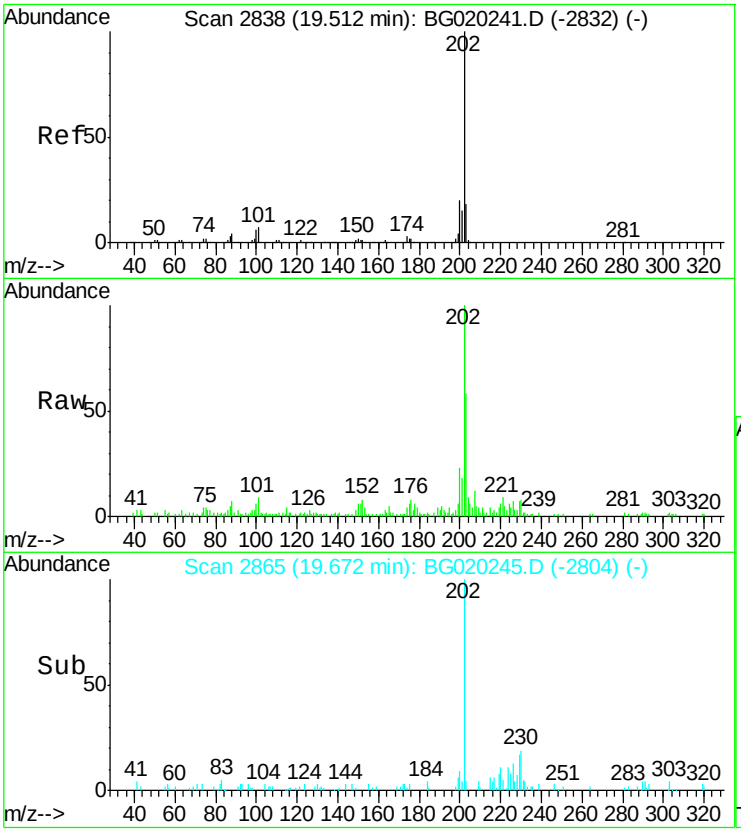


#75
Carbazole
Concen: 143.02 ng/ul
RT: 17.89 min Scan# 2561
Delta R.T. 0.01 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion:167 Resp: 1056998

Ion	Ratio	Lower	Upper
167	100		
166	24.4	17.0	25.6
139	14.5	10.1	15.1



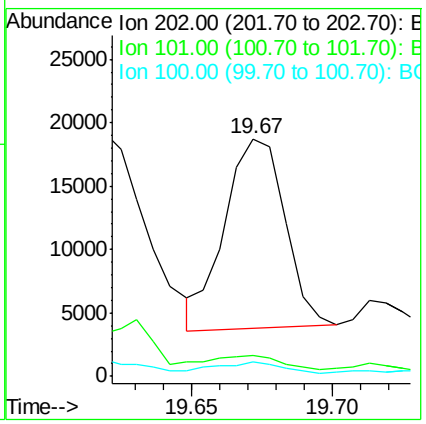


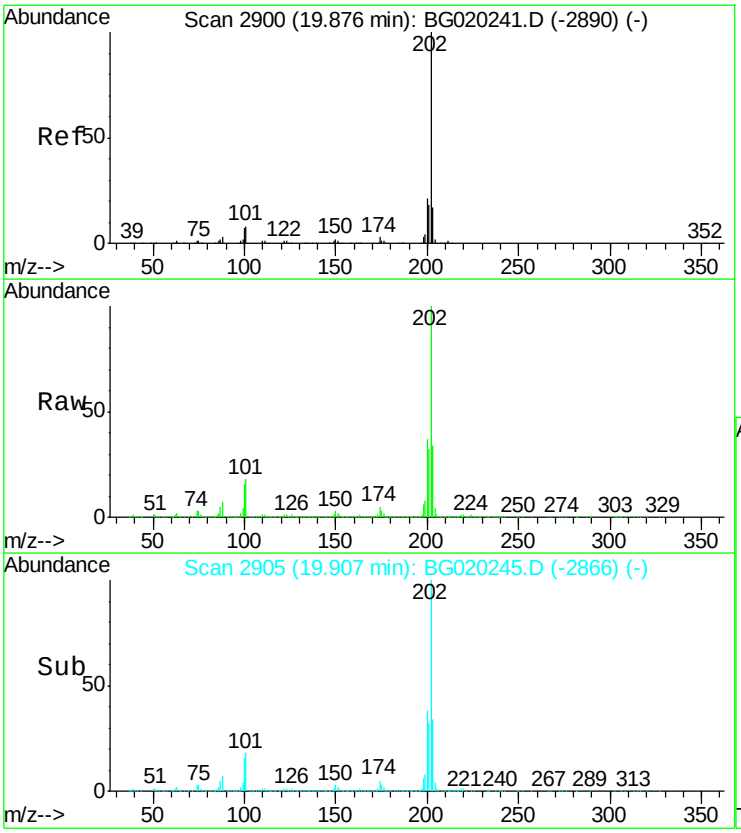
#77
Fluoranthene
Concen: 2.19 ng/ul
RT: 19.67 min Scan# 2865
Delta R.T. 0.16 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion:202 Resp: 22188

Ion	Ratio	Lower	Upper
202	100		
101	8.9	6.2	9.4
100	5.9	5.1	7.7

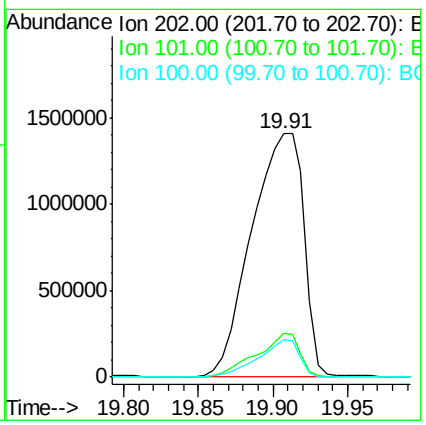


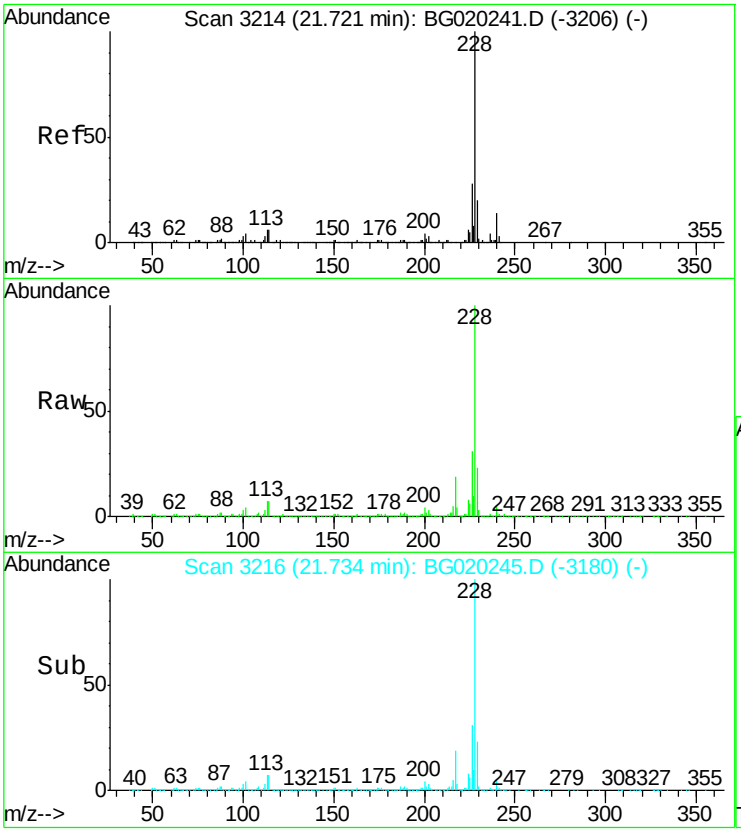


#80
Pyrene
Concen: 295.99 ng/ul
RT: 19.91 min Scan# 2905
Delta R.T. 0.03 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion:202 Resp: 3418256

Ion	Ratio	Lower	Upper
202	100		
101	18.1	7.0	10.4#
100	15.6	6.4	9.6#



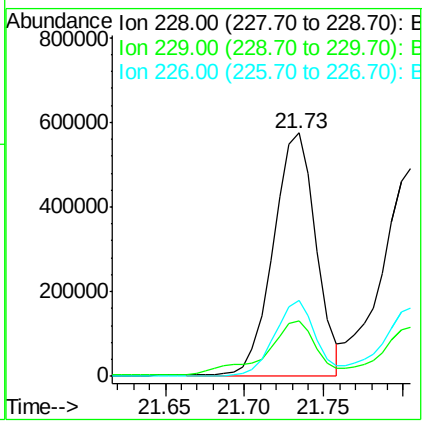


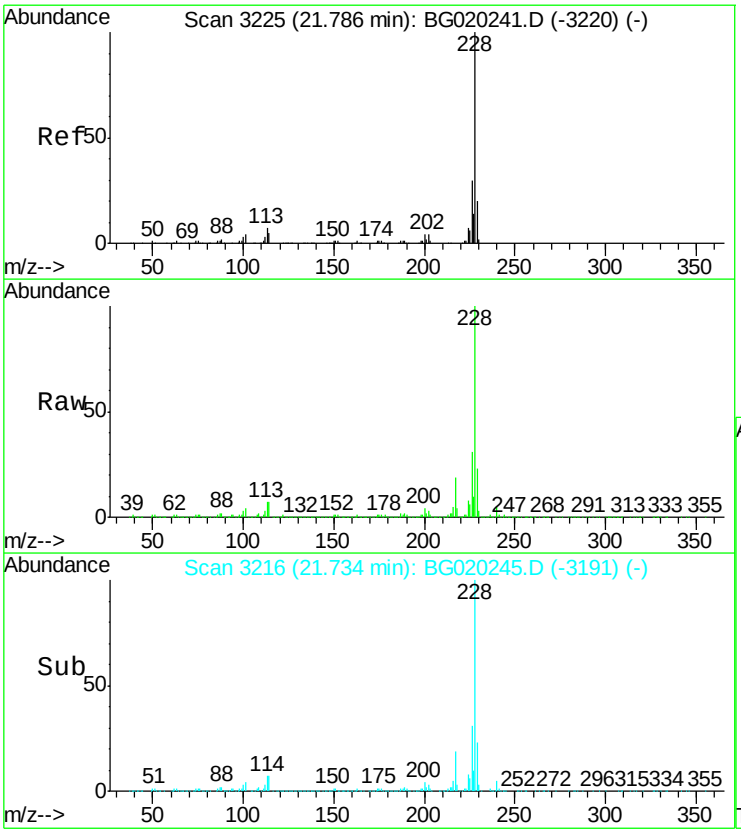
#83
Benzo(a)anthracene
Concen: 96.30 ng/ul
RT: 21.73 min Scan# 3216
Delta R.T. 0.01 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion:228 Resp: 1072240

Ion	Ratio	Lower	Upper
228	100		
229	22.9	15.8	23.8
226	31.1	21.8	32.6

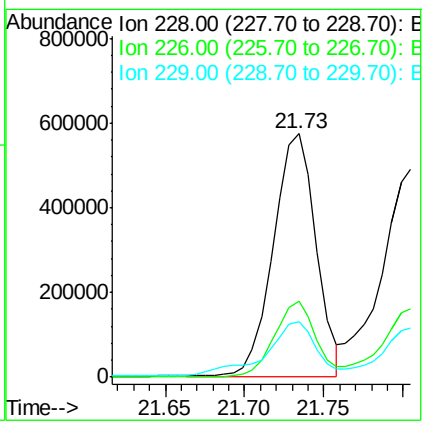


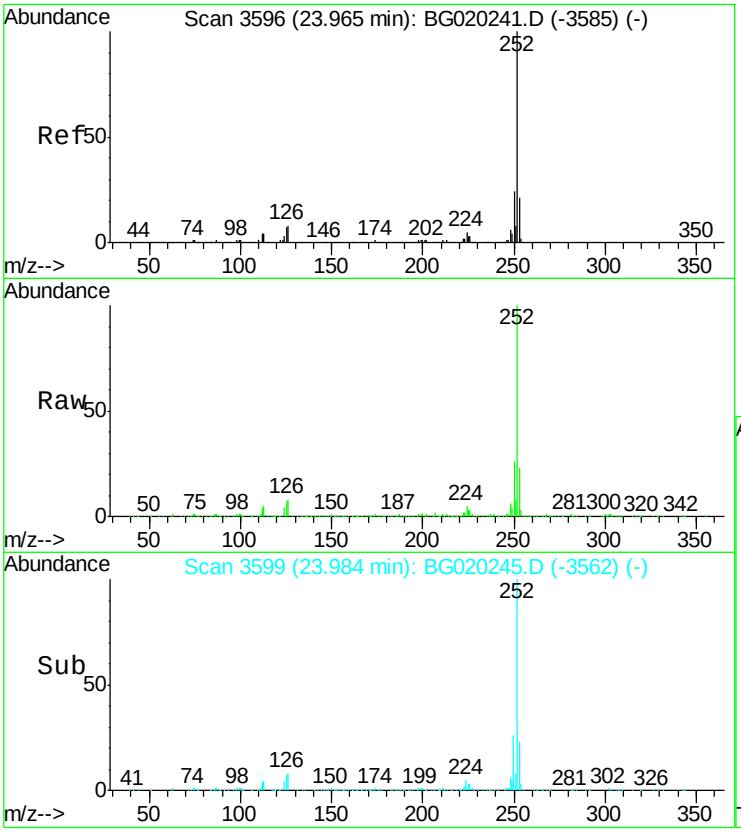


#85
Chrysene
Concen: 102.18 ng/ul
RT: 21.73 min Scan# 3216
Delta R.T. -0.05 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion:228 Resp: 1071425

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.9	35.9
229	22.9	15.6	23.4



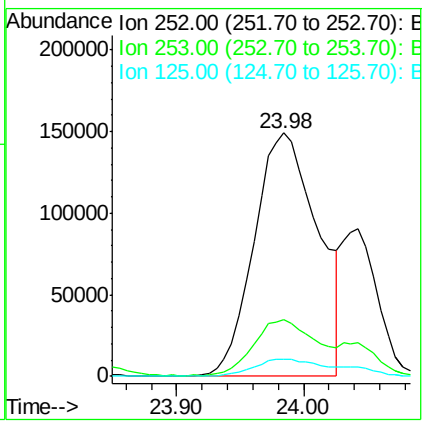


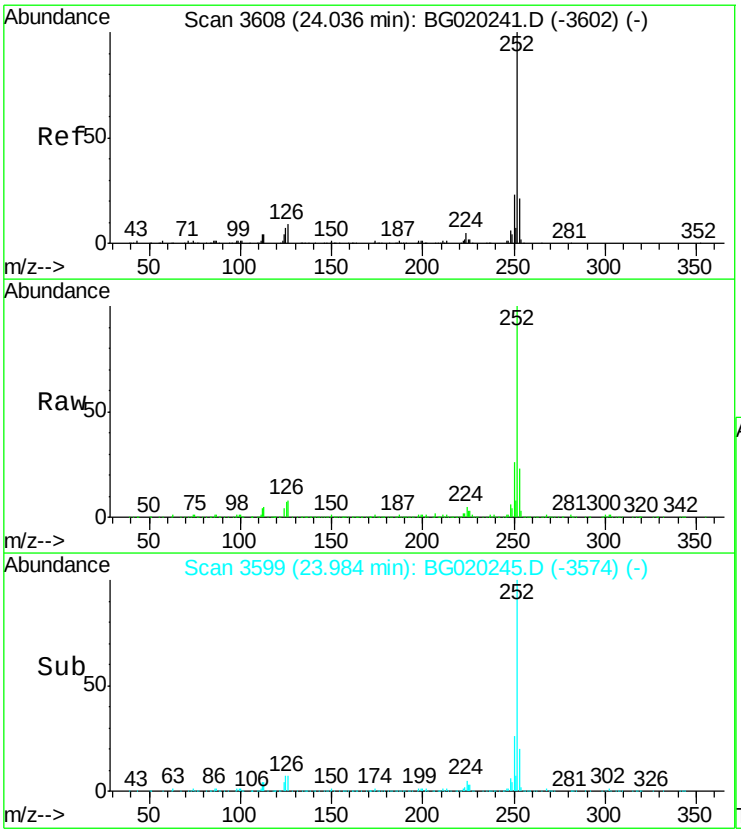
#88
Benzo(b)fluoranthene
Concen: 47.77 ng/ul
RT: 23.98 min Scan# 3599
Delta R.T. 0.02 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion:252 Resp: 519159

Ion	Ratio	Lower	Upper
252	100		
253	23.1	16.7	25.1
125	6.9	6.2	9.2

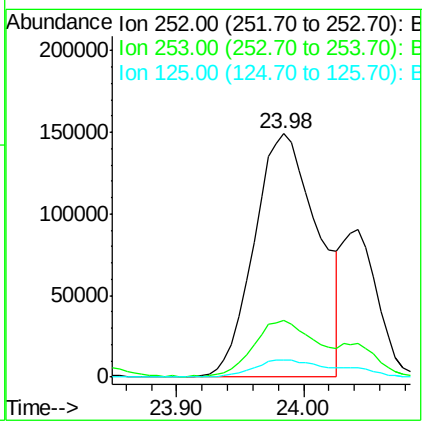


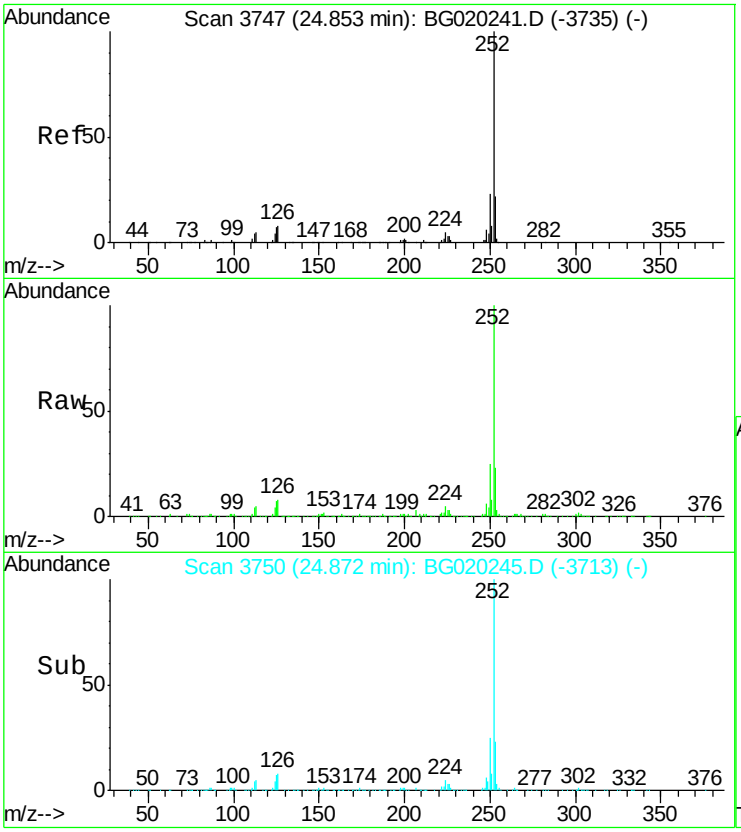


#89
Benzo(k)fluoranthene
Concen: 49.78 ng/ul
RT: 23.98 min Scan# 3599
Delta R.T. -0.05 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion:252 Resp: 519159

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	6.9	5.8	8.6



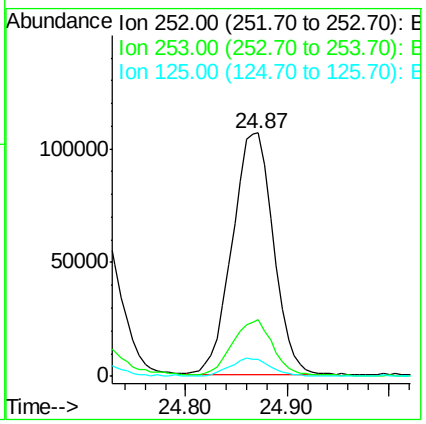


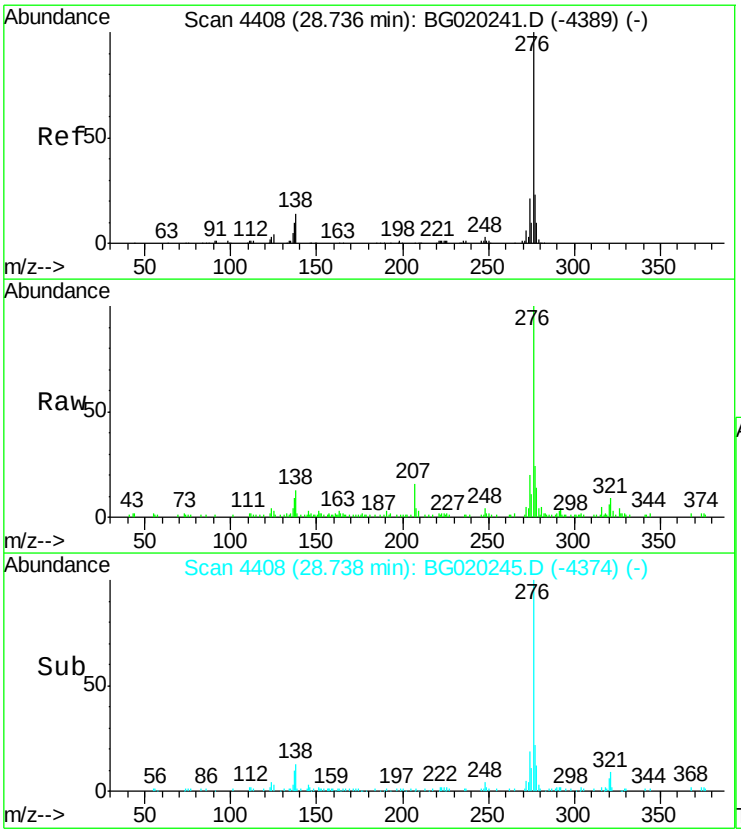
#91
Benzo(a)pyrene
Concen: 28.85 ng/ul
RT: 24.87 min Scan# 3750
Delta R.T. 0.02 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion:252 Resp: 297234

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	7.0	6.2	9.4

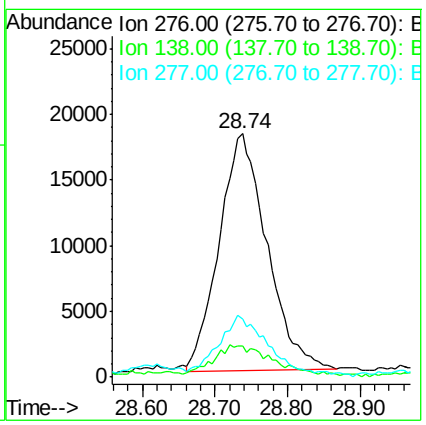


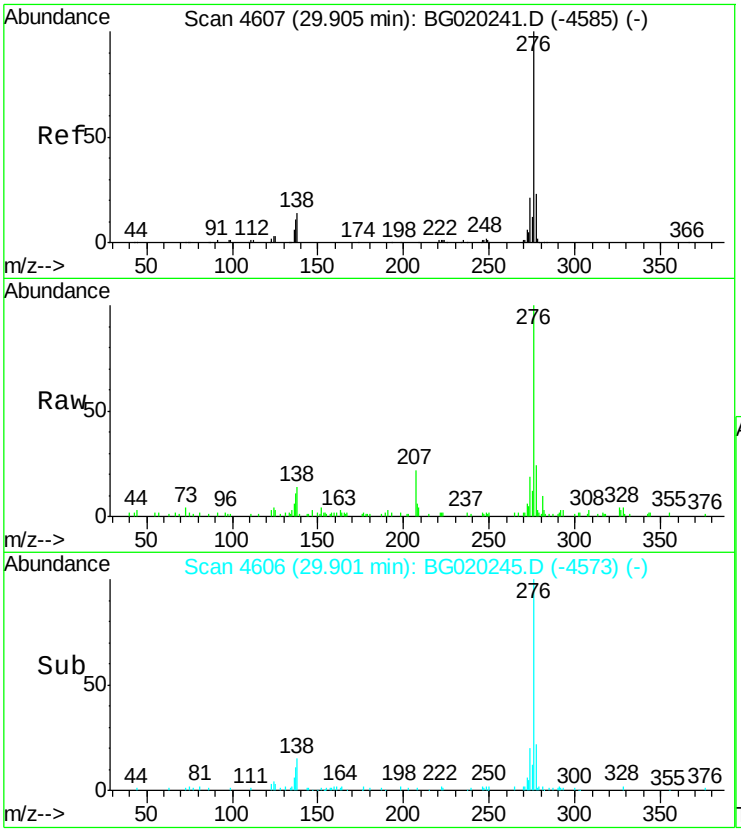


#92
Indeno(1,2,3-cd)pyrene
Concen: 6.75 ng/ul
RT: 28.74 min Scan# 4408
Delta R.T. 0.00 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Tgt Ion:276 Resp: 82757

Ion	Ratio	Lower	Upper
276	100		
138	15.3	11.4	17.0
277	23.6	17.4	26.0





#94
Benzo(g,h,i)perylene
Concen: 6.15 ng/ul
RT: 29.90 min Scan# 4606
Delta R.T. -0.00 min
Lab File: BG020245.D
Acq: 17 Dec 2015 6:43

Instrument :
BNA_G
ClientSampleId :
D9N40

Tgt Ion:276 Resp: 61849

Ion	Ratio	Lower	Upper
276	100		
138	14.4	10.8	16.2
277	23.6	19.9	29.9