Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020514.D
Acq On : 25 Dec 2015 21:45
Operator : UM/SJ
Sample : G4847-04MSD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N68MSD

Quant Time: Dec 26 02:23:42 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 26 02:12:58 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	15603	20.00 ng/ul	0.00
18) Naphthalene-d8	10.90	136	65436	20.00 ng/ul	0.00
36) Acenaphthene-d10	14.71	164	47668	20.00 ng/ul	0.00
62) Phenanthrene-d10	17.45	188	129985	20.00 ng/ul	0.00
78) Chrysene-d12	21.72	240	173064	20.00 ng/ul	0.00
86) Perylene-d12	24.98	264	163421	20.00 ng/ul	0.00
System Monitoring Compounds					
3) 1,4-Dioxane-d8	3.45	96	374	1.32 ng/uL	0.00
5) Phenol-d5	7.23	99	11547	9.22 ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	25215	33.99 ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	27691	28.83 ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	21270	20.19 ng/ul	0.00
19) Nitrobenzene-d5	9.24	128	18206	35.49 ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	21035	36.07 ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	35752	31.68 ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	139	0.11 ng/ul	0.02
44) Dimethylphthalate-d6	14.11	166	143859	36.61 ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	164196	36.07 ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	5293	8.08 ng/ul	0.00
58) Fluorene-d10	15.70	176	128740	36.23 ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	26092	30.29 ng/ul	0.00
71) Anthracene-d10	17.55	188	226510	37.20 ng/ul	0.00
79) Pyrene-d10	19.84	212	287019	38.31 ng/ul	0.00
90) Benzo(a)pyrene-d12	24.76	264	312403	37.81 ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
6) Phenol	7.26	94	11486	8.81 ng/ul	98
10) 2-Chlorophenol	7.64	128	26915	26.84 ng/ul	99
15) N-Nitroso-di-n-propylamine	8.88	70	28162	33.00 ng/ul	97
28) Naphthalene	10.95	128	1609047	462.57 ng/ul#	93
30) 4-Chloroaniline	10.96	127	241359	185.67 ng/ul#	10
32) Caprolactam	11.72	113	671	1.80 ng/ul#	1
33) 4-Chloro-3-methylphenol	12.16	107	34890	28.76 ng/ul	90
34) 2-Methylnaphthalene	12.54	142	139140	54.06 ng/ul	96
35) 1-Methylnaphthalene	12.76	142	70018	28.64 ng/ul#	98
41) 1,1'-Biphenyl	13.55	154	33117	9.00 ng/ul#	98
48) Acenaphthylene	14.43	152	15025	3.14 ng/ul	97
50) Acenaphthene	14.77	153	203573	62.93 ng/ul	98
53) 4-Nitrophenol	14.93	109	4480	7.56 ng/ul	87
54) Dibenzofuran	15.11	168	72075	14.98 ng/ul	98
55) 2,4-Dinitrotoluene	15.07	165	41023	33.78 ng/ul	88
59) Fluorene	15.75	166	64819	16.62 ng/ul	99
69) Pentachlorophenol	17.11	266	31132	31.83 ng/ul	95
70) Phenanthrene	17.49	178	118835	16.43 ng/ul	99
75) Carbazole	17.86	167	6985	1.12 ng/ul	97
80) Pyrene	19.87	202	347890	35.55 ng/ul	97

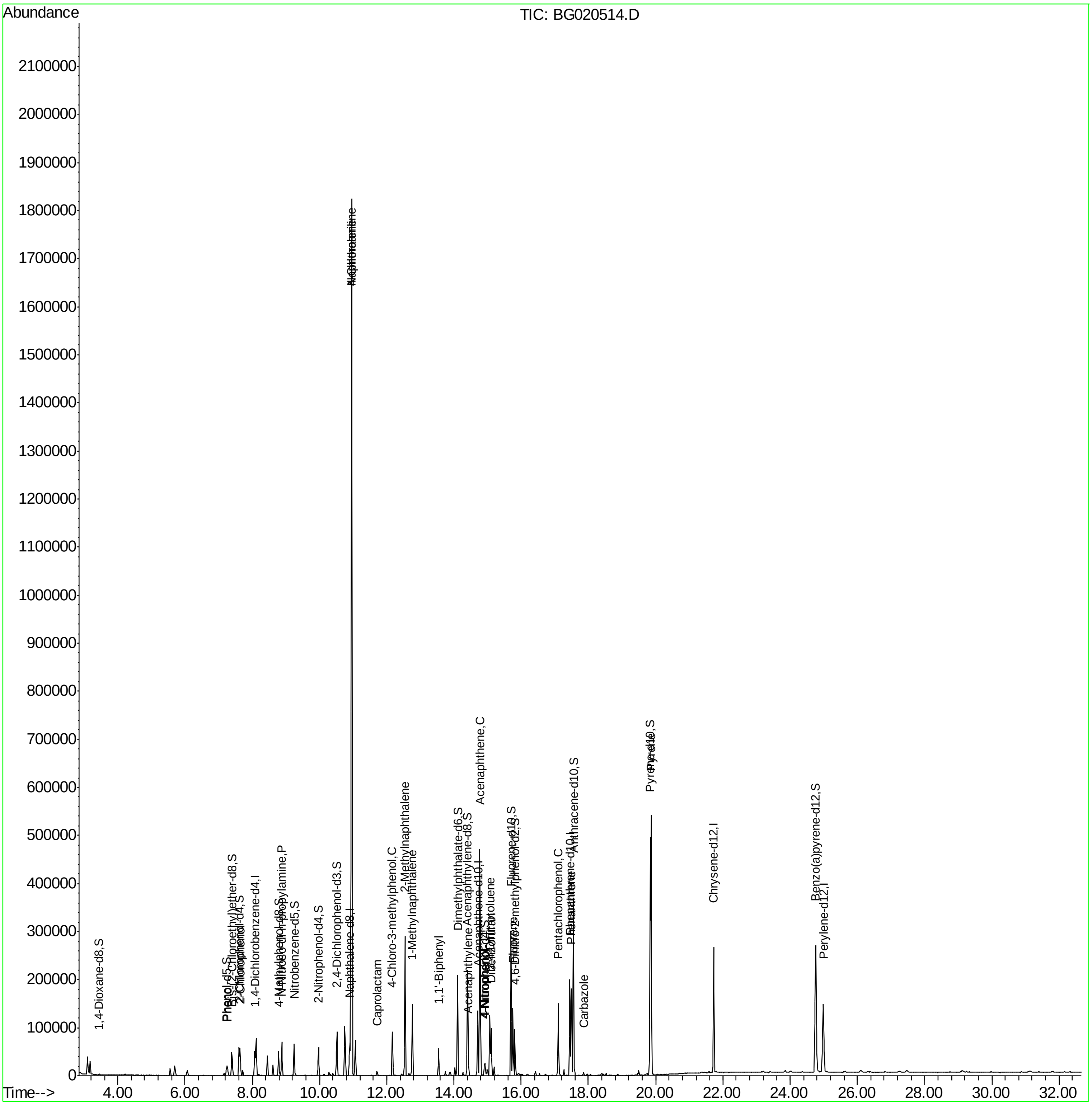
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

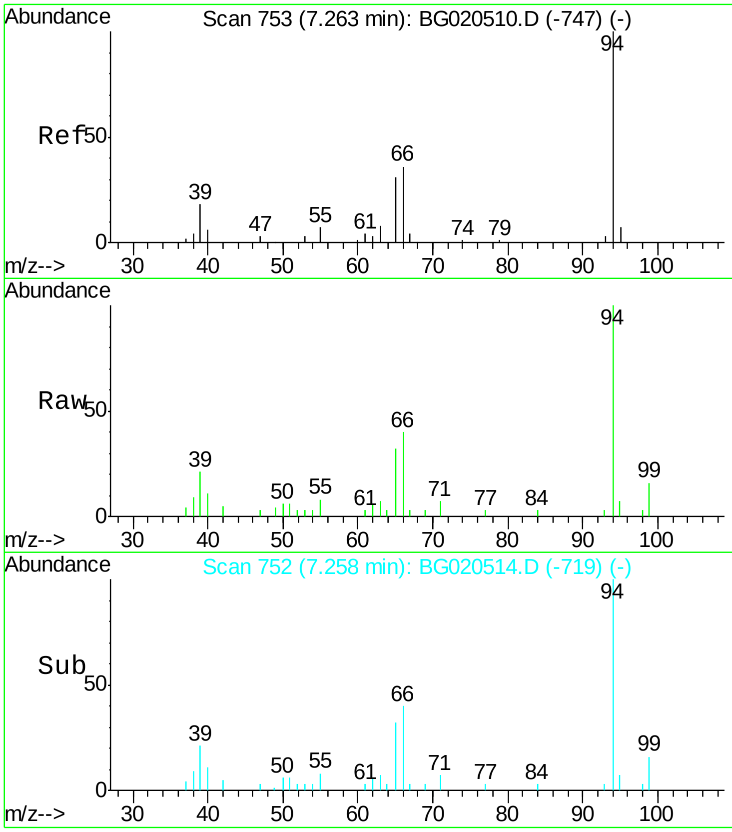
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020514.D
Acq On : 25 Dec 2015 21:45
Operator : UM/SJ
Sample : G4847-04MSD
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N68MSD

Quant Time: Dec 26 02:23:42 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 26 02:12:58 2015
Response via : Initial Calibration



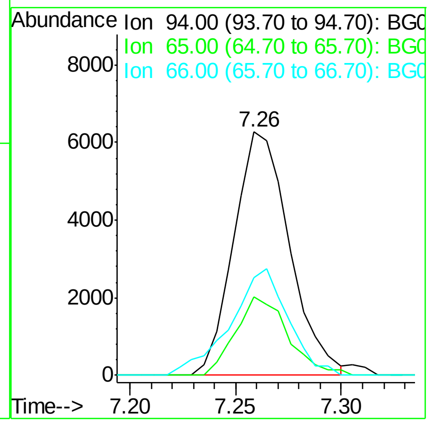
Instrument :
BNA_G
ClientSampleId :
D9N68MSD

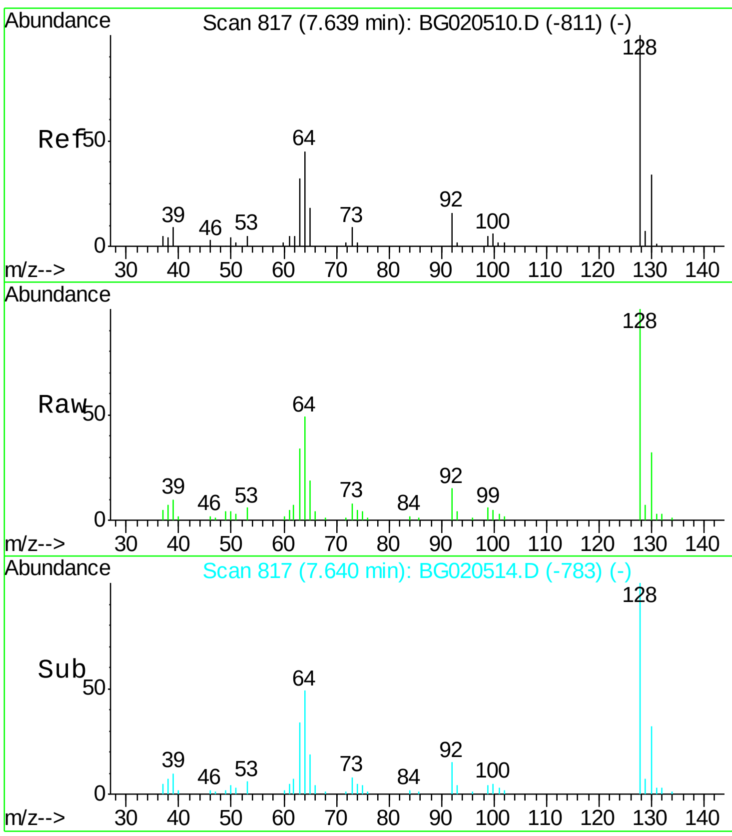


#6
Phenol
Concen: 8.81 ng/ul
RT: 7.26 min Scan# 752
Delta R.T.   -0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Tgt Ion: 94 Resp: 11486

Ion	Ratio	Lower	Upper
94	100		
65	32.3	26.3	39.5
66	40.2	33.3	49.9

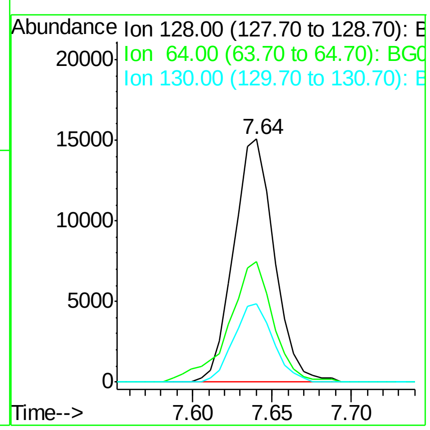


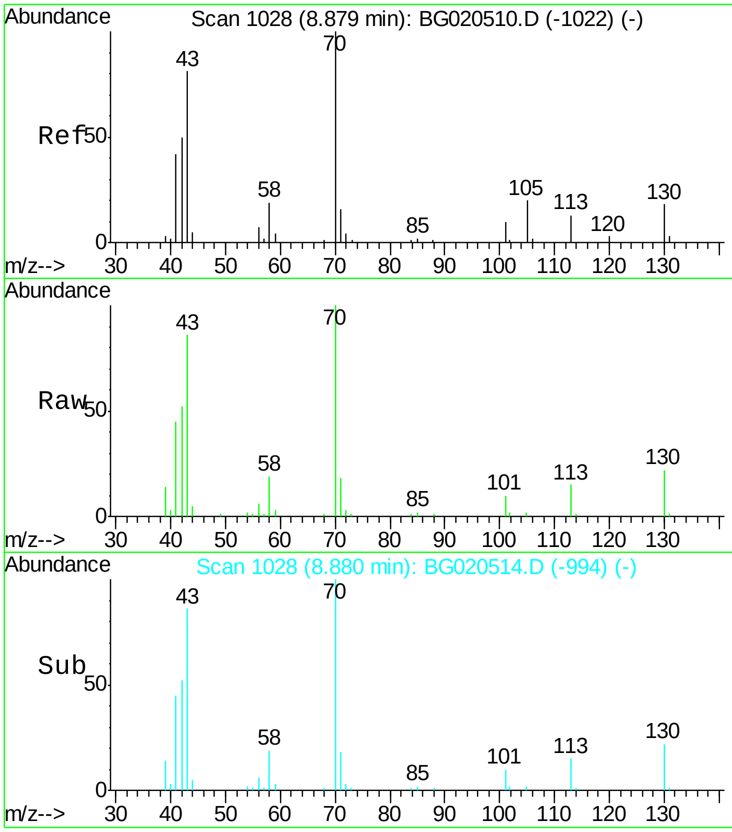


#10
2-Chlorophenol
Concen: 26.84 ng/ul
RT: 7.64 min Scan# 817
Delta R.T.   0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Tgt Ion:128 Resp: 26915

Ion	Ratio	Lower	Upper
128	100		
64	49.4	39.4	59.0
130	32.1	24.6	36.8



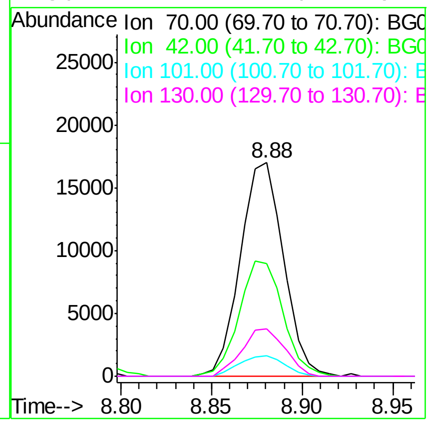


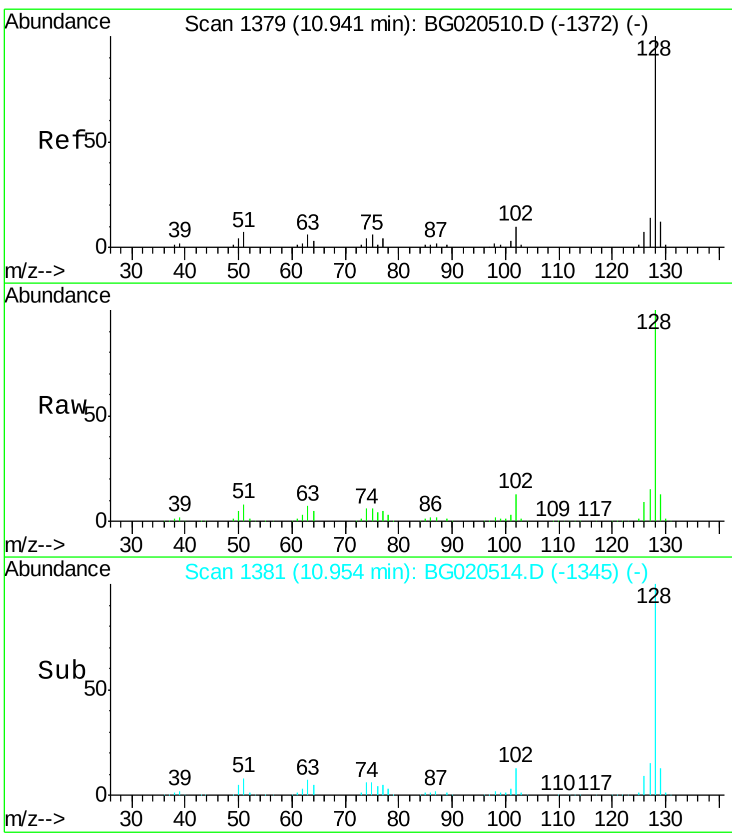
#15
N-Nitroso-di-n-propylamine
Concen: 33.00 ng/ul
RT: 8.88 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Instrument : BNA_G
ClientSampleId : D9N68MSD

Tgt Ion: 70 Resp: 28162

Ion	Ratio	Lower	Upper
70	100		
42	52.5	44.3	66.5
101	9.7	7.6	11.4
130	22.4	17.0	25.4

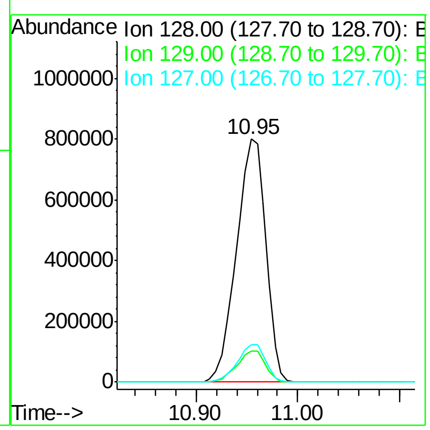


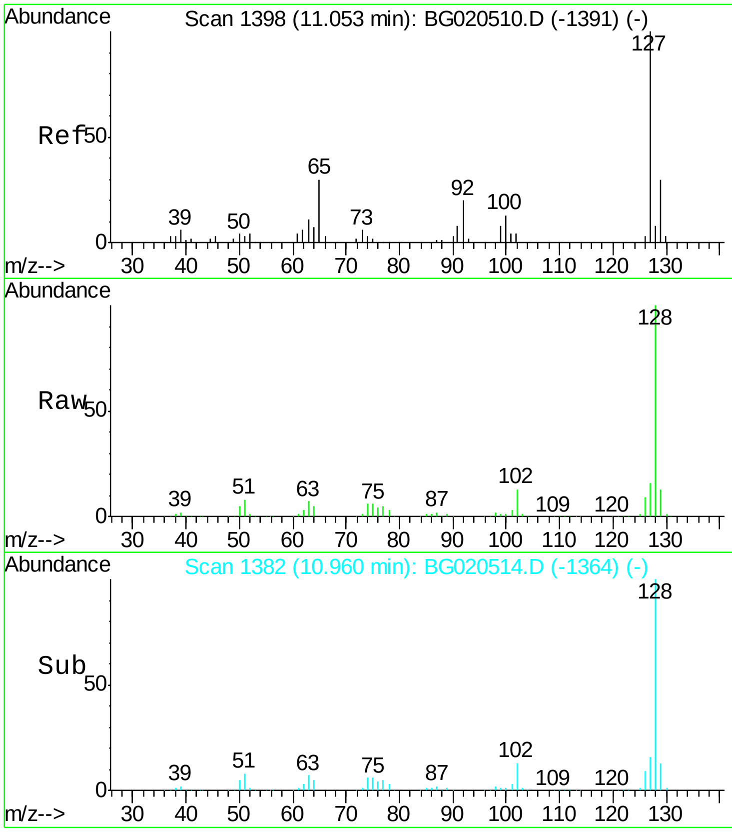


#28
Naphthalene
Concen: 462.57 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. 0.01 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Tgt Ion:128 Resp: 1609047

Ion	Ratio	Lower	Upper
128	100		
129	13.0	8.6	12.8#
127	15.4	10.1	15.1#



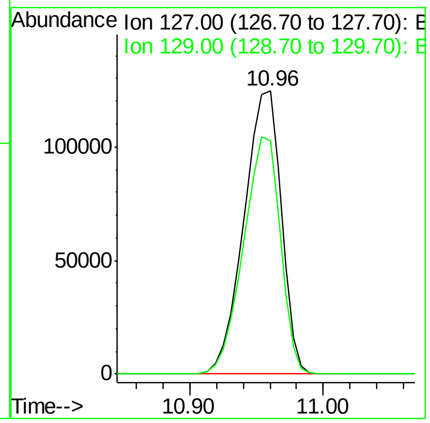


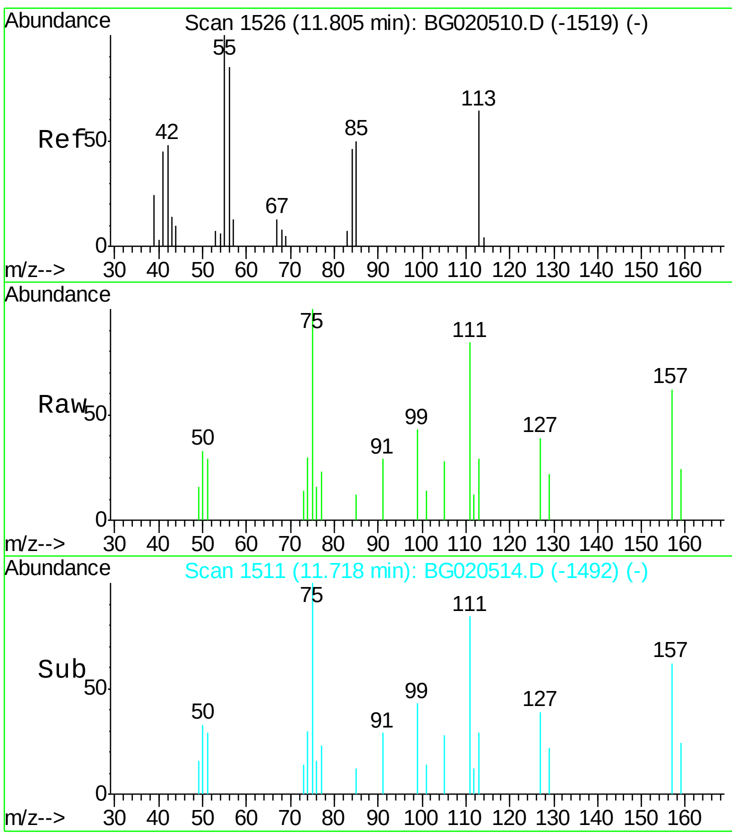
#30
4-Chloroaniline
Concen: 185.67 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.09 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Instrument :
BNA_G
ClientSampleId :
D9N68MSD

Tgt Ion:127 Resp: 241359

Ion	Ratio	Lower	Upper
127	100		
129	82.5	25.7	38.5#

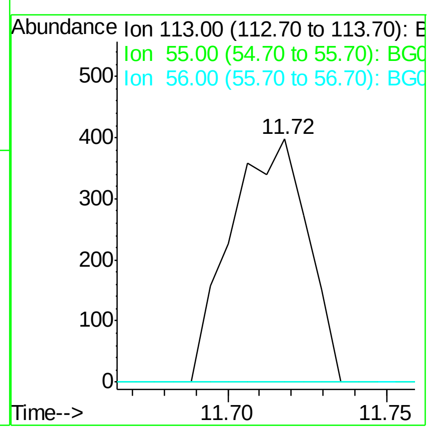


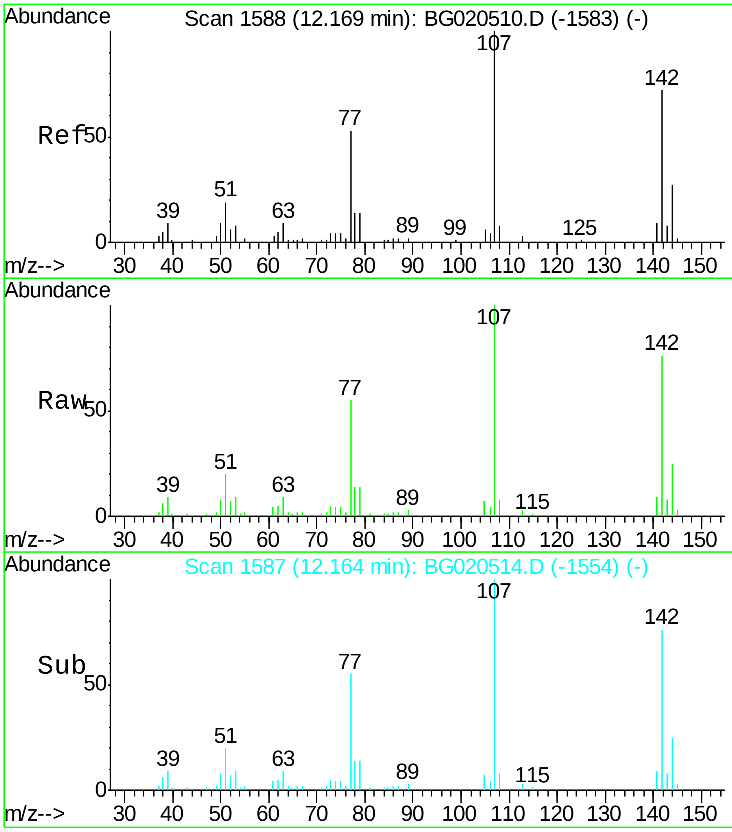


#32
Caprolactam
Concen: 1.80 ng/ul
RT: 11.72 min Scan# 1511
Delta R.T. -0.09 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Tgt Ion:113 Resp: 671

Ion	Ratio	Lower	Upper
113	100		
55	0.0	132.1	198.1#
56	0.0	103.3	154.9#



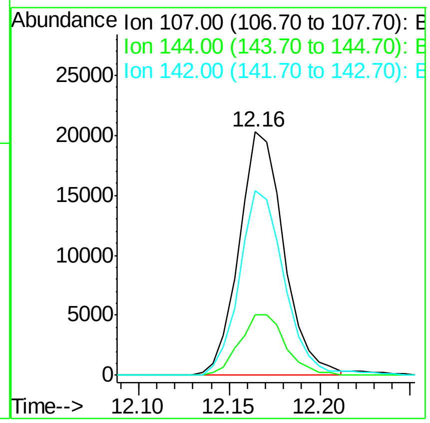


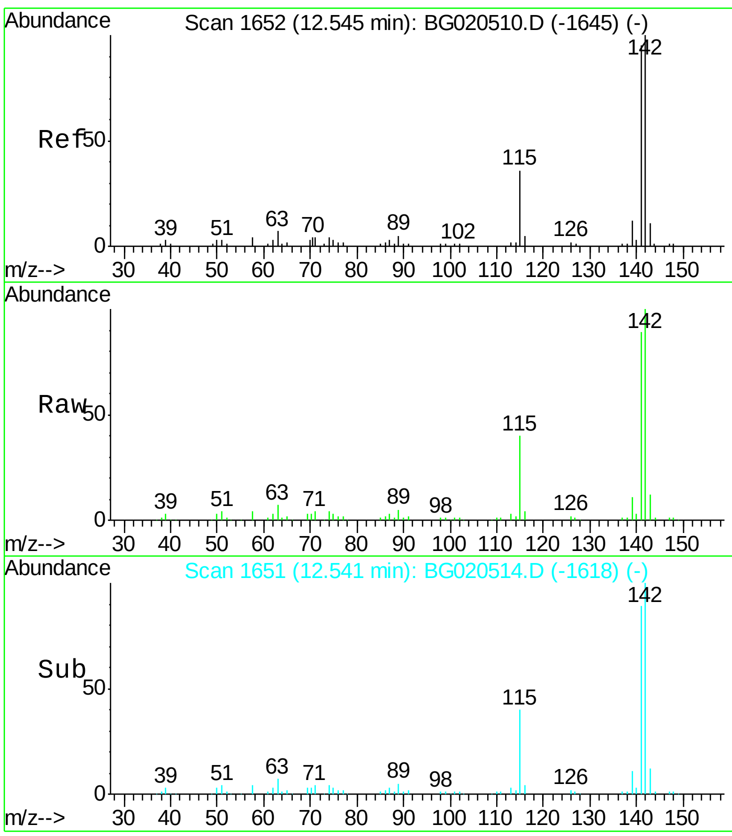
#33
4-Chloro-3-methylphenol
Concen: 28.76 ng/ul
RT: 12.16 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Instrument :
BNA_G
ClientSampleId :
D9N68MSD

Tgt Ion:107 Resp: 34890

Ion	Ratio	Lower	Upper
107	100		
144	24.7	18.7	28.1
142	75.8	52.8	79.2

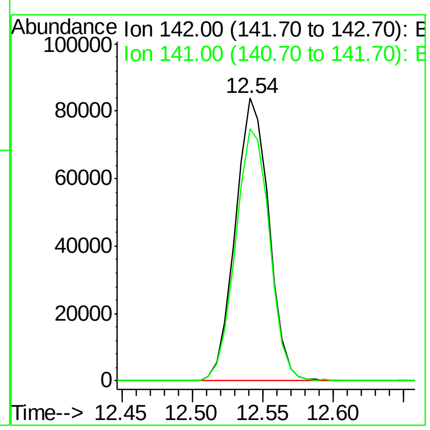




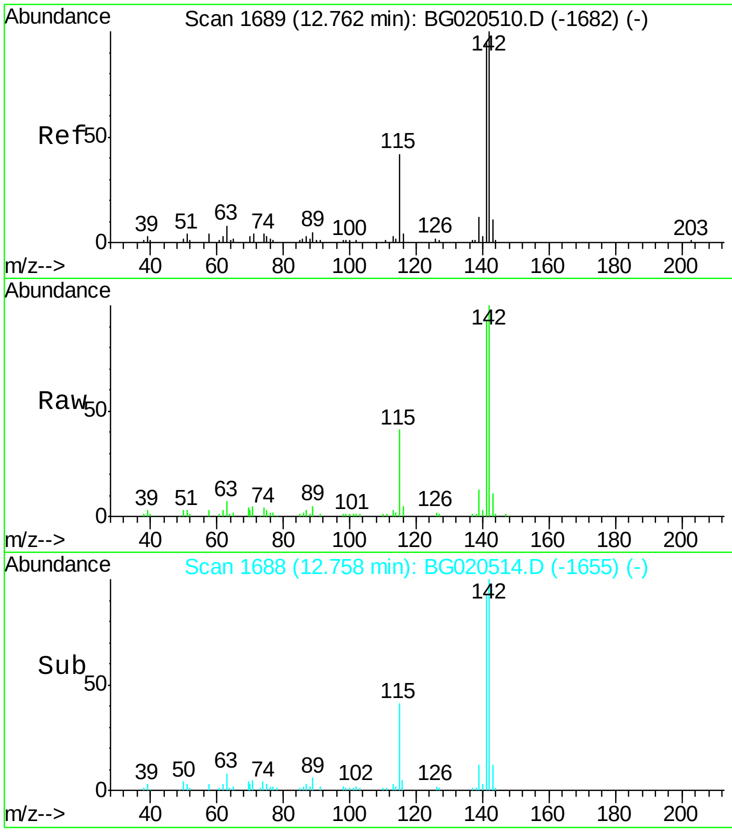
#34
2-Methylnaphthalene
Concen: 54.06 ng/ul
RT: 12.54 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Tgt Ion:142 Resp: 139140

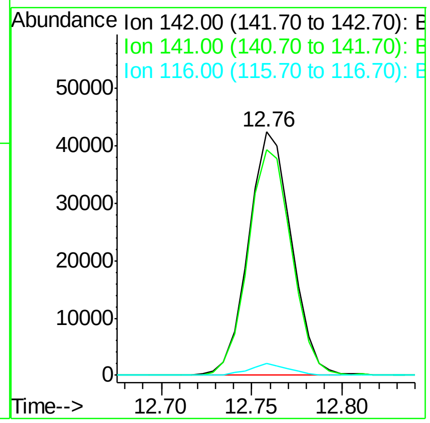
Ion	Ratio	Lower	Upper
142	100		
141	89.4	74.9	112.3

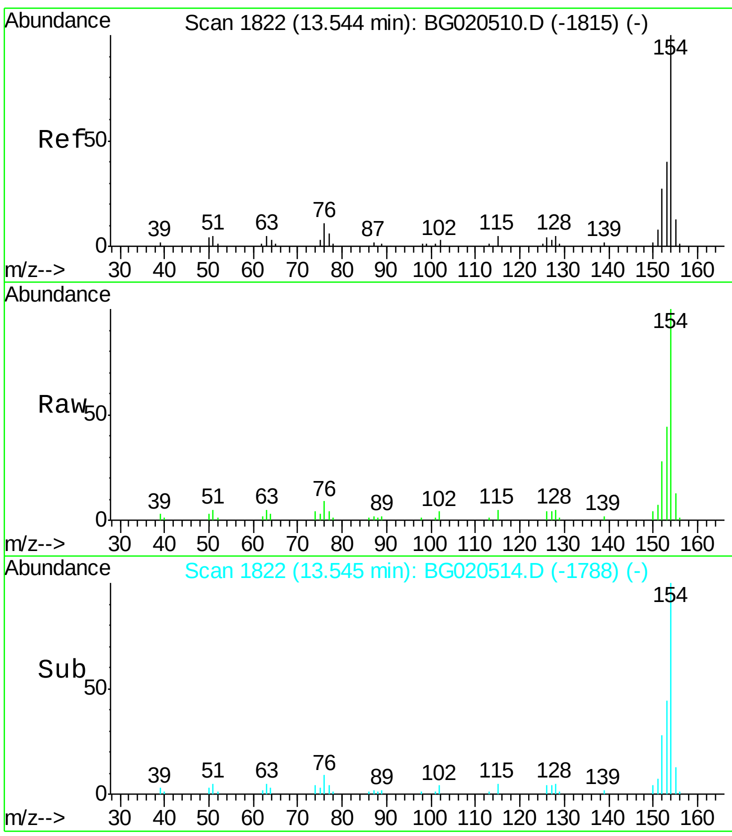


Instrument :
BNA_G
ClientSampleId :
D9N68MSD

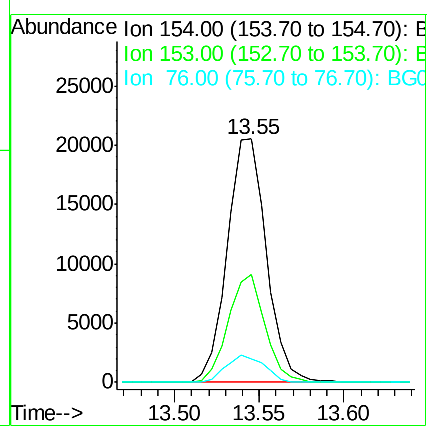


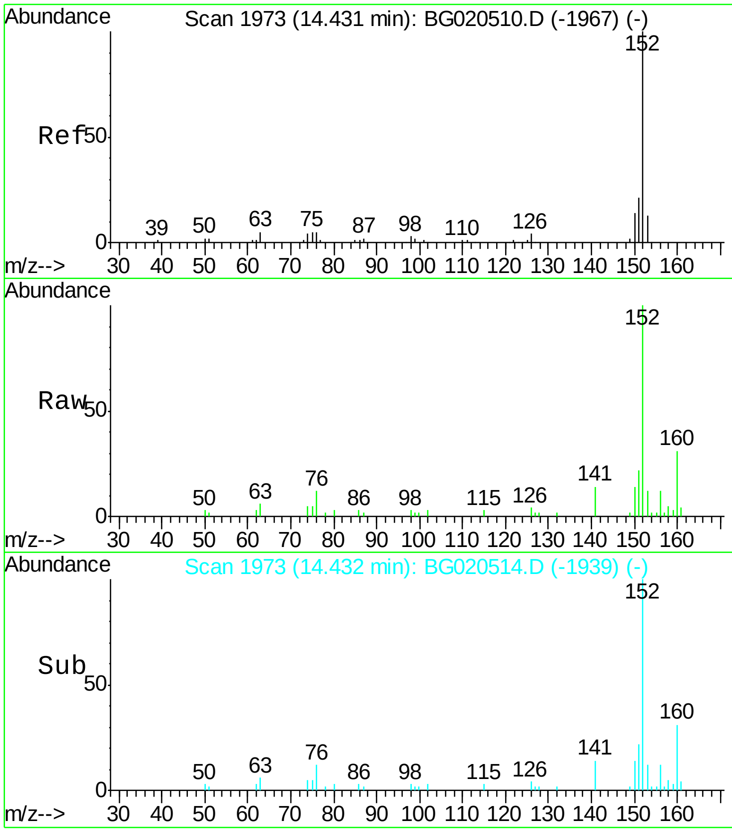

```
#35
1-Methylnaphthalene
Concen:    28.64 ng/ul
RT: 12.76 min   Scan# 1688
Delta R.T.    -0.00 min
Lab File:   BG020514.D
Acq: 25 Dec 2015   21:45

Tgt Ion:142 Resp:    70018
Ion  Ratio  Lower  Upper
142  100
141   92.8   73.0  109.6
116    4.9    3.0    4.6#
```






```
#41
1,1'-Biphenyl
Concen:     9.00 ng/ul
RT: 13.55 min   Scan# 1822
Delta R.T.    0.00 min
Lab File:   BG020514.D
Acq: 25 Dec 2015   21:45

Tgt Ion:154 Resp:    33117
Ion  Ratio  Lower  Upper
154  100
153   44.4   35.5   53.3
 76    9.4   10.4   15.6#
```



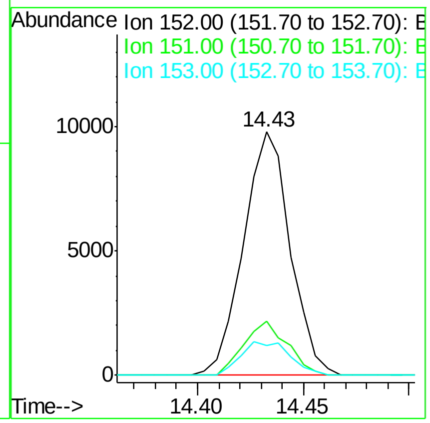


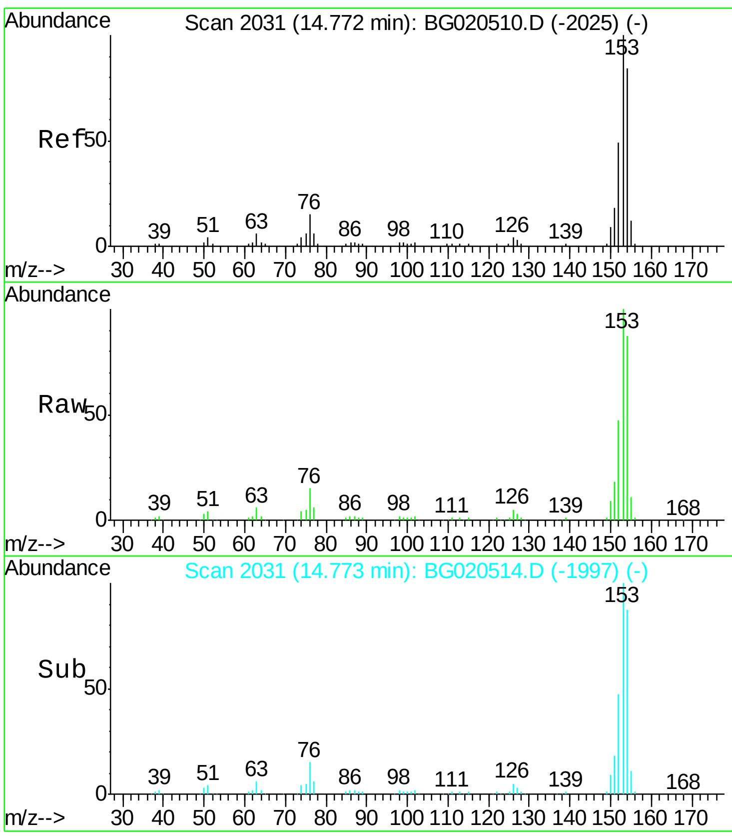
#48
Acenaphthylene
Concen: 3.14 ng/ul
RT: 14.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Instrument :
BNA_G
ClientSampleId :
D9N68MSD

Tgt Ion:152 Resp: 15025

Ion	Ratio	Lower	Upper
152	100		
151	22.3	16.4	24.6
153	12.4	10.4	15.6

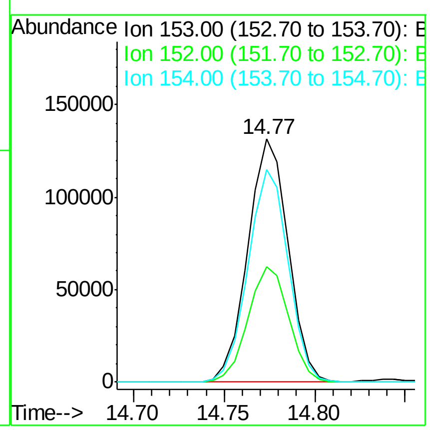


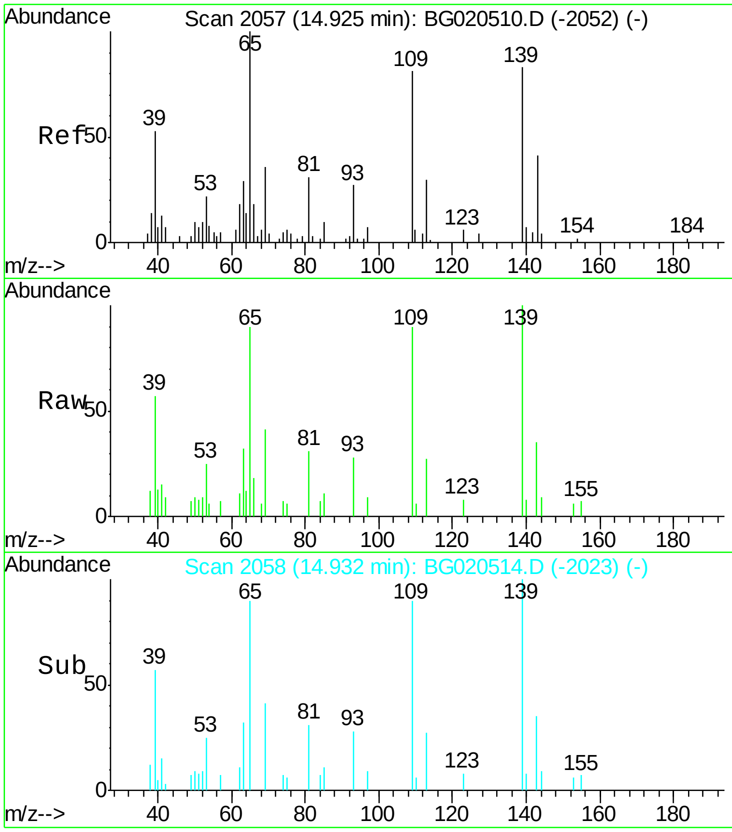


#50
Acenaphthene
Concen: 62.93 ng/ul
RT: 14.77 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Tgt Ion:153 Resp: 203573

Ion	Ratio	Lower	Upper
153	100		
152	47.3	37.6	56.4
154	87.4	67.9	101.9



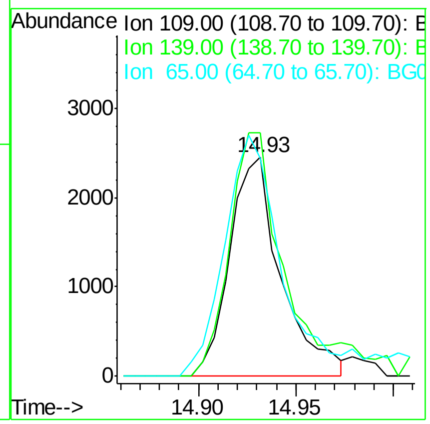


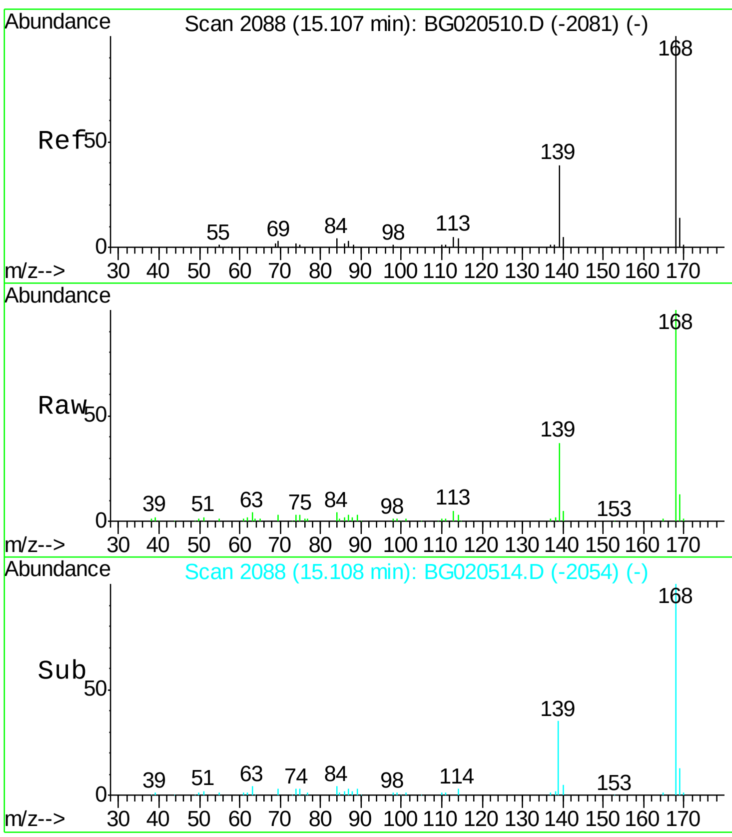
#53
4-Nitrophenol
Concen: 7.56 ng/ul
RT: 14.93 min   Scan# 2058
Delta R.T.   0.01 min
Lab File: BG020514.D
Acq: 25 Dec 2015   21:45

Instrument :
BNA_G
ClientSampleId :
D9N68MSD

Tgt Ion:109 Resp: 4480

Ion	Ratio	Lower	Upper
109	100		
139	111.3	80.5	120.7
65	99.7	93.4	140.2

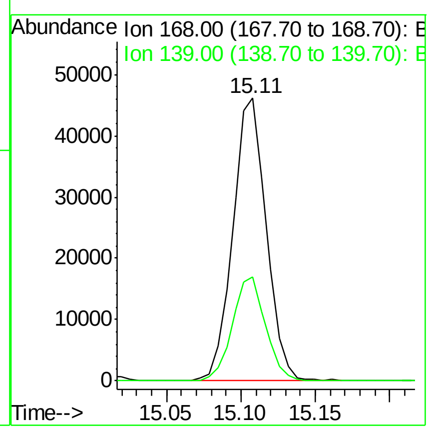




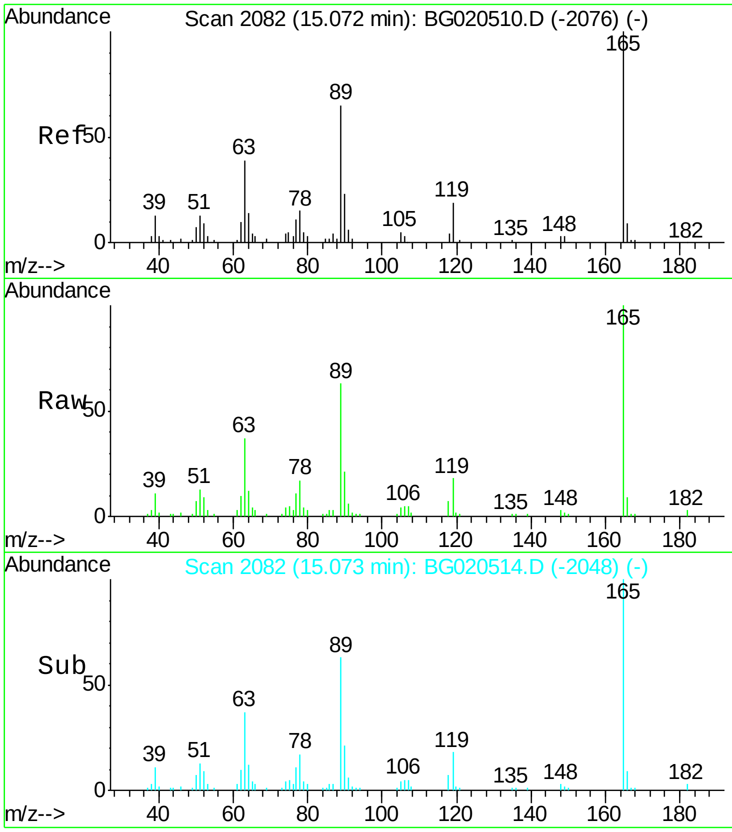
#54
Dibenzofuran
Concen: 14.98 ng/ul
RT: 15.11 min   Scan# 2088
Delta R.T.   0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015   21:45

Tgt Ion:168 Resp: 72075

Ion	Ratio	Lower	Upper
168	100		
139	36.6	30.5	45.7

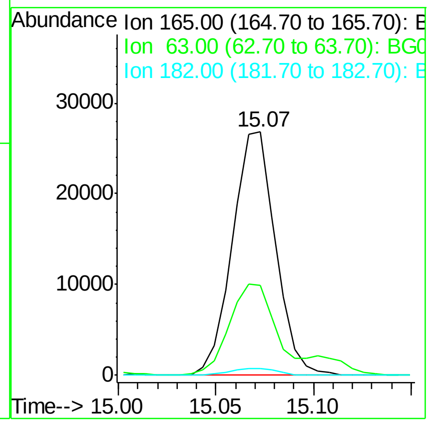


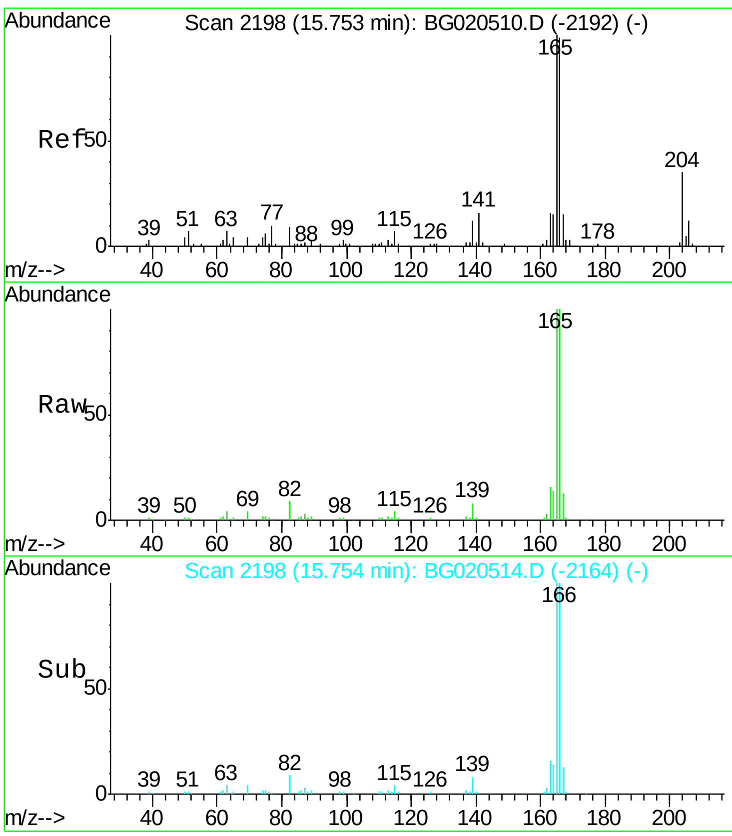
Instrument :
BNA_G
ClientSampleId :
D9N68MSD



#55
2,4-Dinitrotoluene
Concen: 33.78 ng/ul
RT: 15.07 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

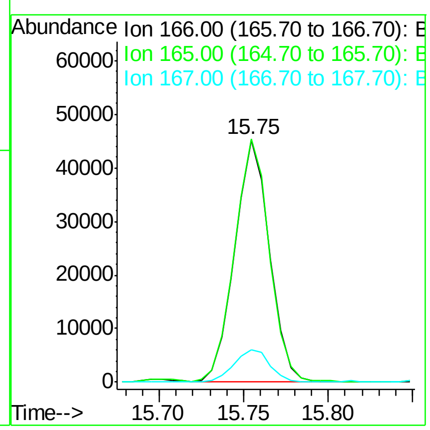
Tgt Ion:165	Resp:		41023
Ion	Ratio	Lower	Upper
165	100		
63	36.8	35.8	53.8
182	2.9	2.2	3.2

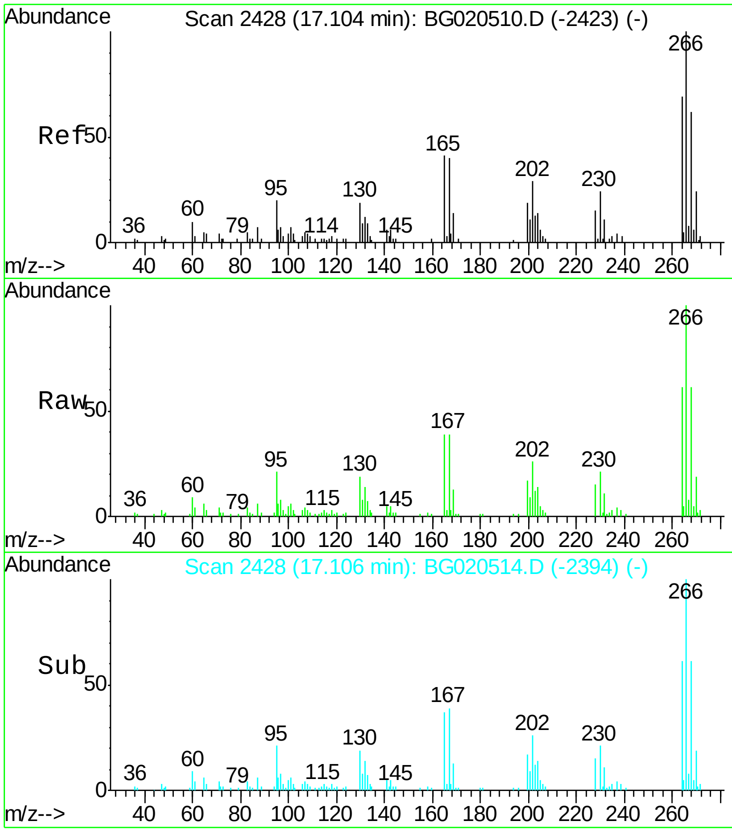




#59
Fluorene
Concen: 16.62 ng/ul
RT: 15.75 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Tgt Ion:166	Resp:		64819
Ion	Ratio	Lower	Upper
166	100		
165	100.3	81.4	122.0
167	13.4	11.2	16.8



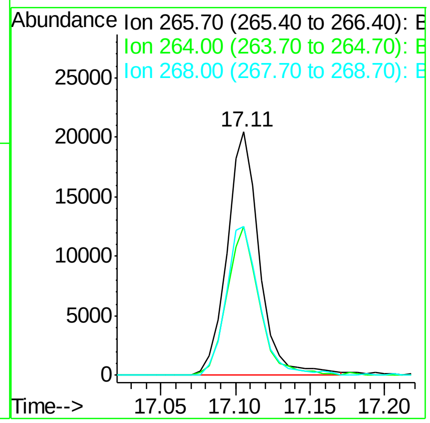


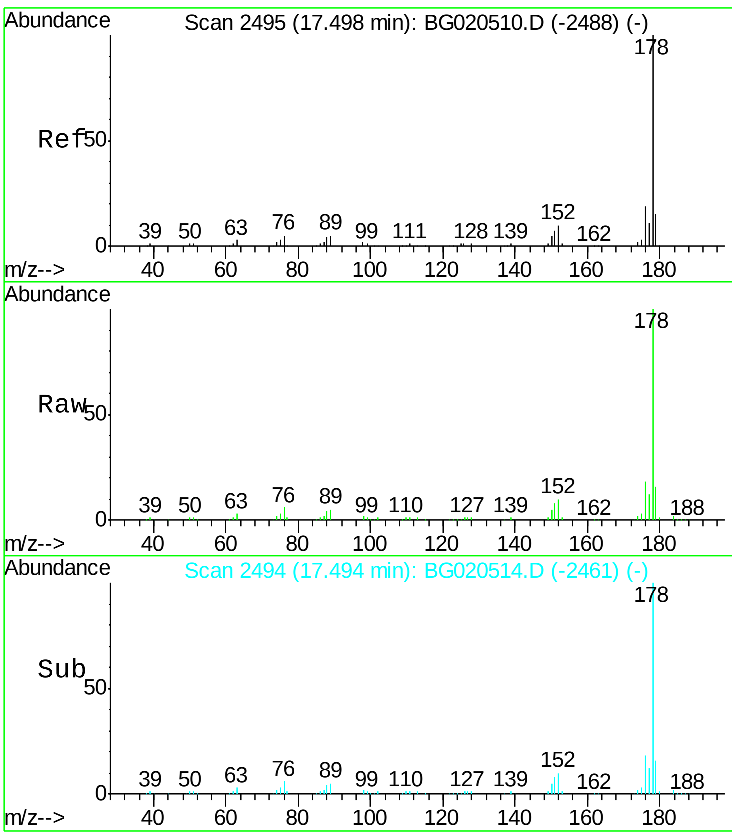
#69
Pentachlorophenol
Concen: 31.83 ng/ul
RT: 17.11 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Instrument : BNA_G
ClientSampleId : D9N68MSD

Tgt Ion:266 Resp: 31132

Ion	Ratio	Lower	Upper
266	100		
264	61.3	52.2	78.2
268	66.0	49.3	73.9

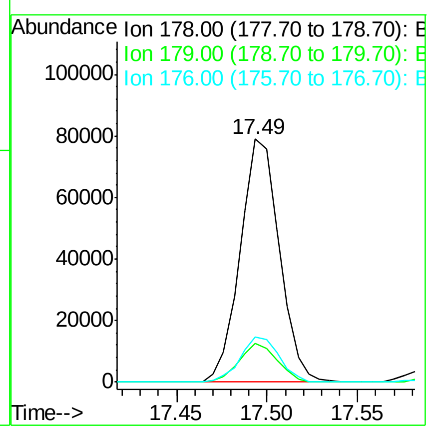


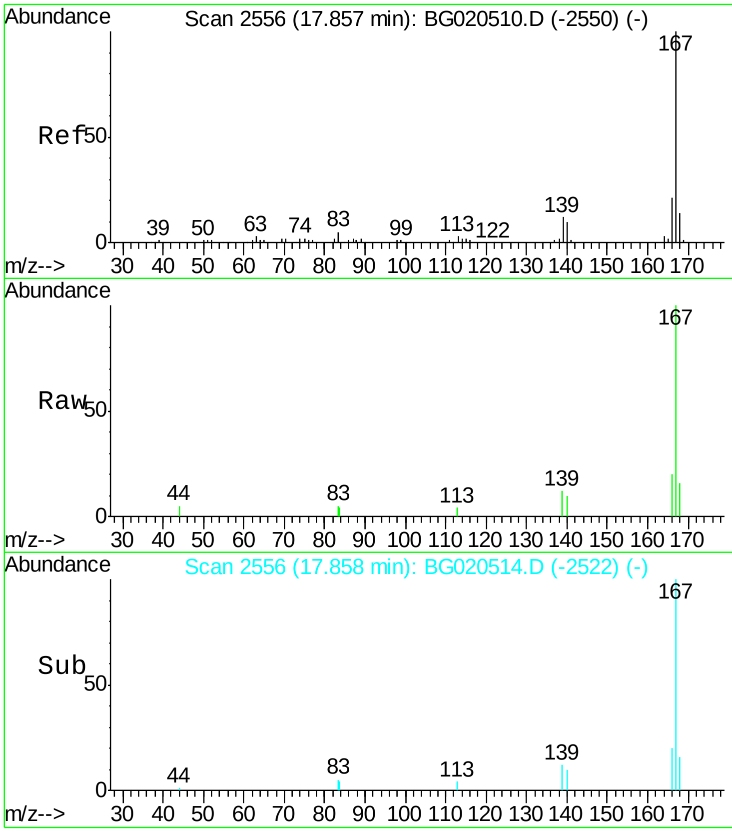


#70
Phenanthrene
Concen: 16.43 ng/ul
RT: 17.49 min Scan# 2494
Delta R.T. -0.00 min
Lab File: BG020514.D
Acq: 25 Dec 2015 21:45

Tgt Ion:178 Resp: 118835

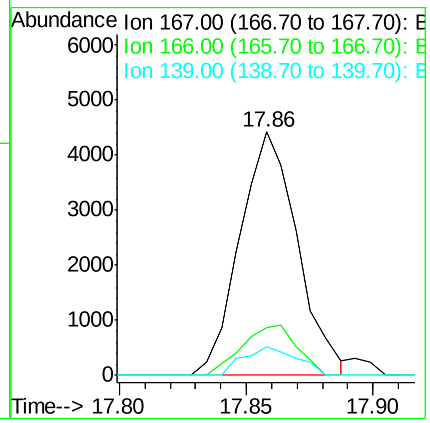
Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.9	19.3
176	18.4	15.3	22.9

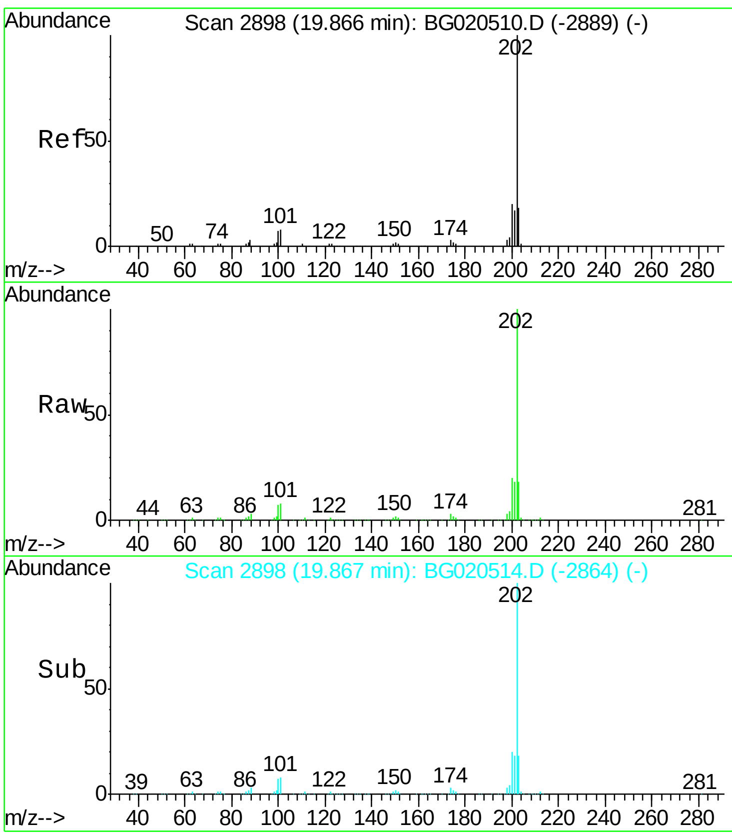





```
#75
Carbazole
Concen:    1.12 ng/ul
RT: 17.86 min   Scan# 2556
Delta R.T.    0.00 min
Lab File:   BG020514.D
Acq: 25 Dec 2015   21:45

Tgt Ion:167 Resp:    6985
Ion  Ratio  Lower  Upper
167  100
166   19.8   17.0   25.6
139   11.6   10.1   15.1
```

Instrument :
BNA_G
ClientSampleId :
D9N68MSD






```
#80
Pyrene
Concen:   35.55 ng/ul
RT: 19.87 min   Scan# 2898
Delta R.T.    0.00 min
Lab File:   BG020514.D
Acq: 25 Dec 2015   21:45

Tgt Ion:202 Resp:   347890
Ion  Ratio  Lower  Upper
202  100
101    8.1    7.0   10.4
100    6.7    6.4    9.6
```