Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020424.D
Acq On : 23 Dec 2015 2:12
Operator : UM/SJ
Sample : G4866-13MS
Misc : MED LEVEL
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4MS

Quant Time: Dec 23 07:41:43 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 07:35:59 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	20890	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	93165	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	64932	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	149186	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	184012	20.00	ng/ul	0.02
86) Perylene-d12	25.04	264	186623	20.00	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.45	96	1133	2.99	ng/uL	0.00
5) Phenol-d5	7.24	99	33513	18.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	19357	17.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	26297	19.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	24734	15.70	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	14653	20.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	17211	21.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	32645	19.94	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	18306	9.96	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	109887	20.92	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	127831	20.92	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	13191	14.00	ng/ul	0.00
58) Fluorene-d10	15.71	176	97176	20.40	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	15590	17.63	ng/ul	0.00
71) Anthracene-d10	17.56	188	148023	21.53	ng/ul	0.00
79) Pyrene-d10	19.85	212	177238	20.67	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.81	264	200195	21.51	ng/ul	0.03
Target Compounds						Qvalue
6) Phenol	7.27	94	32789	16.62	ng/ul	98
10) 2-Chlorophenol	7.65	128	24973	17.80	ng/ul	95
15) N-Nitroso-di-n-propylamine	8.89	70	22553	17.27	ng/ul	96
28) Naphthalene	10.95	128	44359	9.12	ng/ul	99
30) 4-Chloroaniline	10.95	127	5999	3.20	ng/ul#	10
33) 4-Chloro-3-methylphenol	12.18	107	32841	16.44	ng/ul	91
34) 2-Methylnaphthalene	12.55	142	10941	2.94	ng/ul	93
35) 1-Methylnaphthalene	12.77	142	9042	2.53	ng/ul#	96
41) 1,1'-Biphenyl	13.55	154	6210	1.27	ng/ul	95
45) Dimethylphthalate	14.16	163	25013	4.66	ng/ul	96
50) Acenaphthene	14.78	153	218012	49.91	ng/ul	100
53) 4-Nitrophenol	14.94	109	10839	11.96	ng/ul	96
54) Dibenzofuran	15.11	168	83925	12.92	ng/ul	97
55) 2,4-Dinitrotoluene	15.08	165	30993	19.03	ng/ul#	86
59) Fluorene	15.77	166	131413	25.19	ng/ul	99
61) 4-Nitroaniline	15.76	138	1692	1.45	ng/ul#	10
69) Pentachlorophenol	17.12	266	13710	12.09	ng/ul	96
70) Phenanthrene	17.60	178	426264	52.24	ng/ul	99
72) Anthracene	17.60	178	427382	51.64	ng/ul	97
75) Carbazole	17.87	167	259630	37.33	ng/ul	99
77) Fluoranthene	19.54	202	3019333	316.59	ng/ul#	84
80) Pyrene	19.90	202	2853880	256.25	ng/ul#	84
83) Benzo(a)anthracene	21.73	228	1748431	162.84	ng/ul#	89

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020424.D
Acq On : 23 Dec 2015 2:12
Operator : UM/SJ
Sample : G4866-13MS
Misc : MED LEVEL
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : E43M4MS

Quant Time: Dec 23 07:41:43 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 07:35:59 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Chrysene	21.81	228	1843175	182.27	ng/ul#	86
88) Benzo(b)fluoranthene	24.02	252	2662117	237.00	ng/ul#	92
89) Benzo(k)fluoranthene	24.07	252	676654	62.78	ng/ul	94
91) Benzo(a)pyrene	24.91	252	1896478	178.11	ng/ul	93
92) Indeno(1,2,3-cd)pyrene	28.83	276	1506835	118.83	ng/ul#	93
93) Dibenzo(a,h)anthracene	28.86	278	355349	33.76	ng/ul#	97
94) Benzo(g,h,i)perylene	30.01	276	1378661	132.63	ng/ul	99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020424.D
Acq On : 23 Dec 2015 2:12
Operator : UM/SJ
Sample : G4866-13MS
Misc : MED LEVEL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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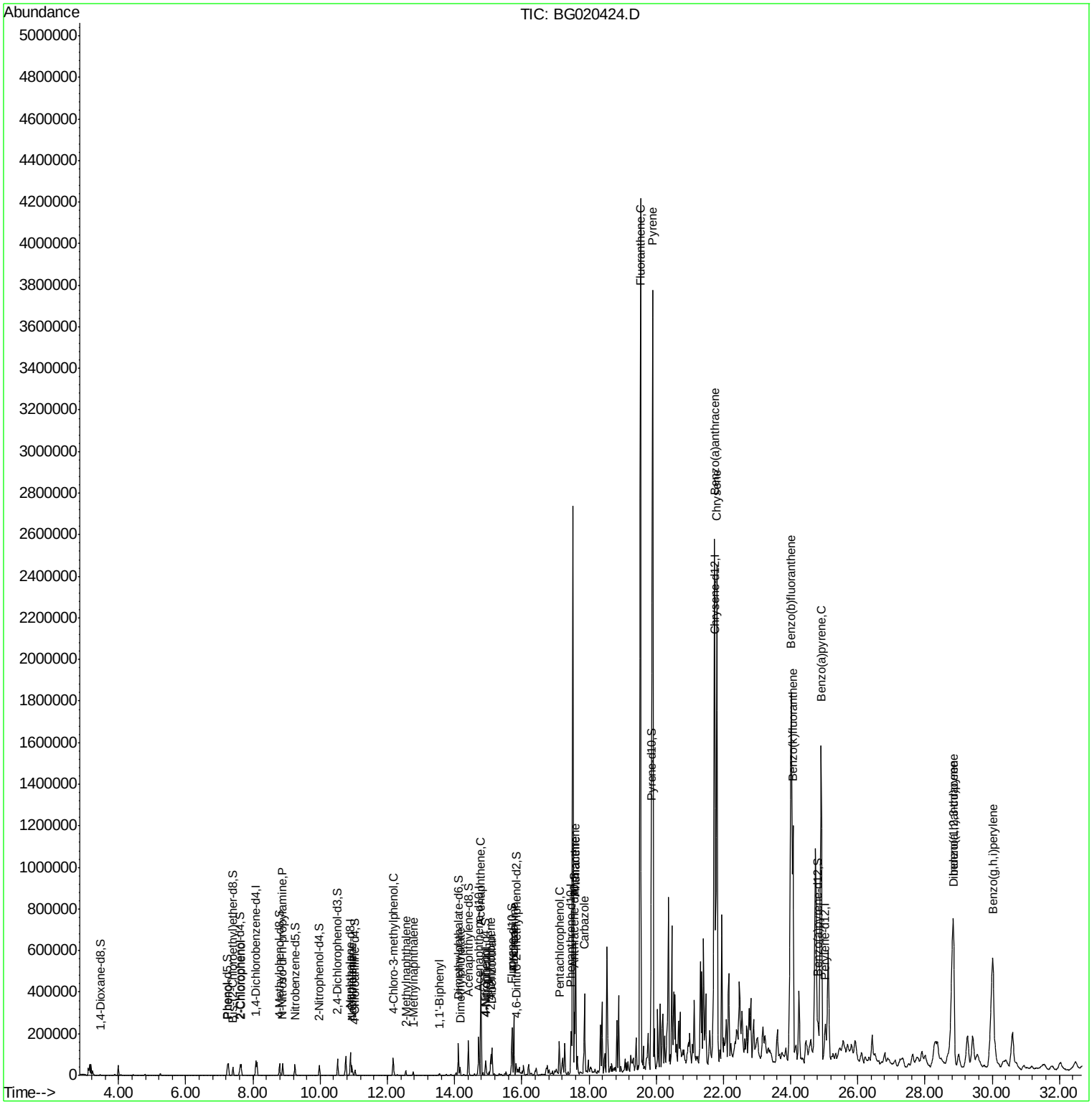
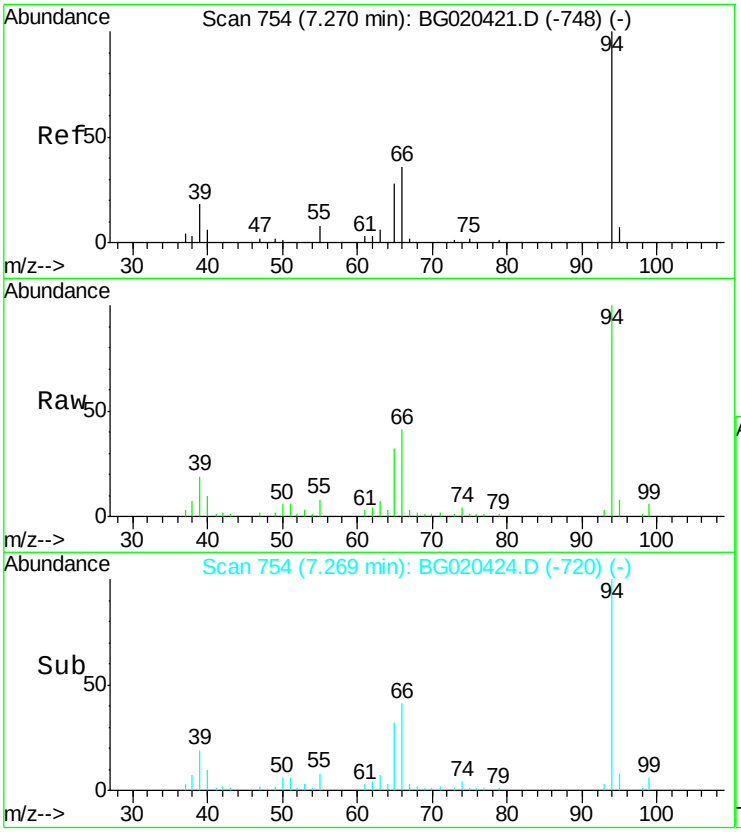
Quant Time: Dec 23 07:41:43 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 07:35:59 2015
Response via : Initial Calibration



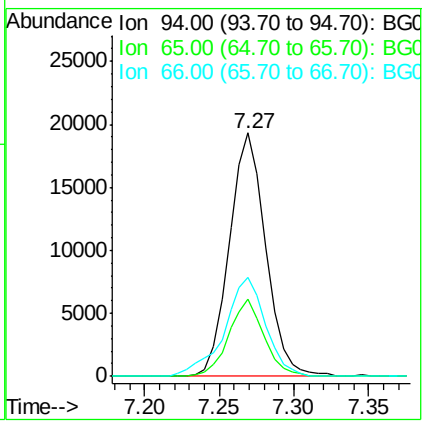


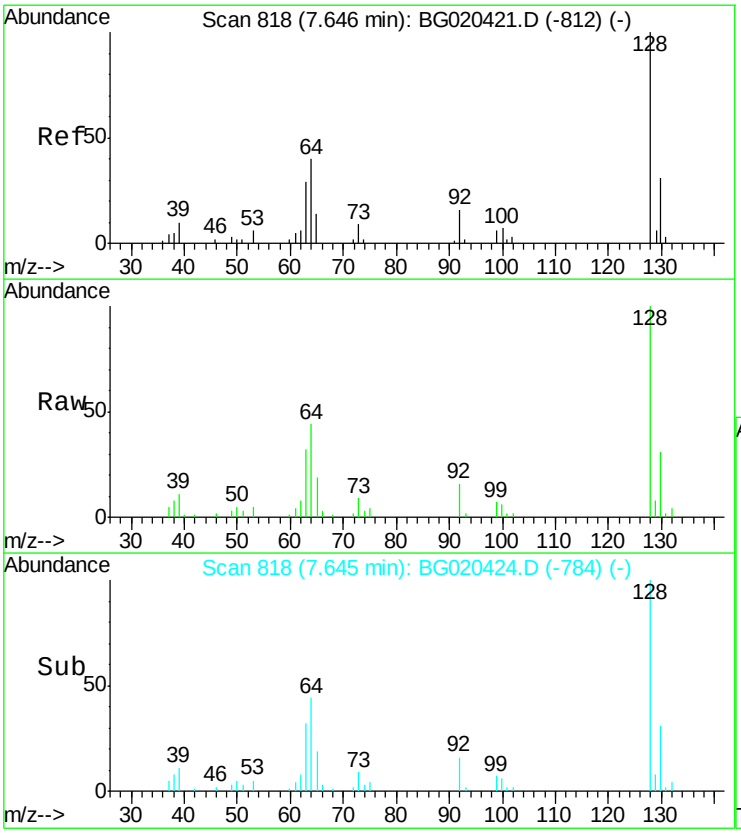
#6
Phenol
Concen: 16.62 ng/ul
RT: 7.27 min Scan# 754
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion: 94 Resp: 32789

Ion	Ratio	Lower	Upper
94	100		
65	31.7	26.3	39.5
66	40.6	33.3	49.9

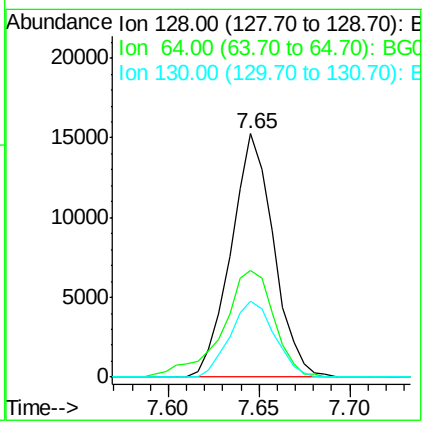


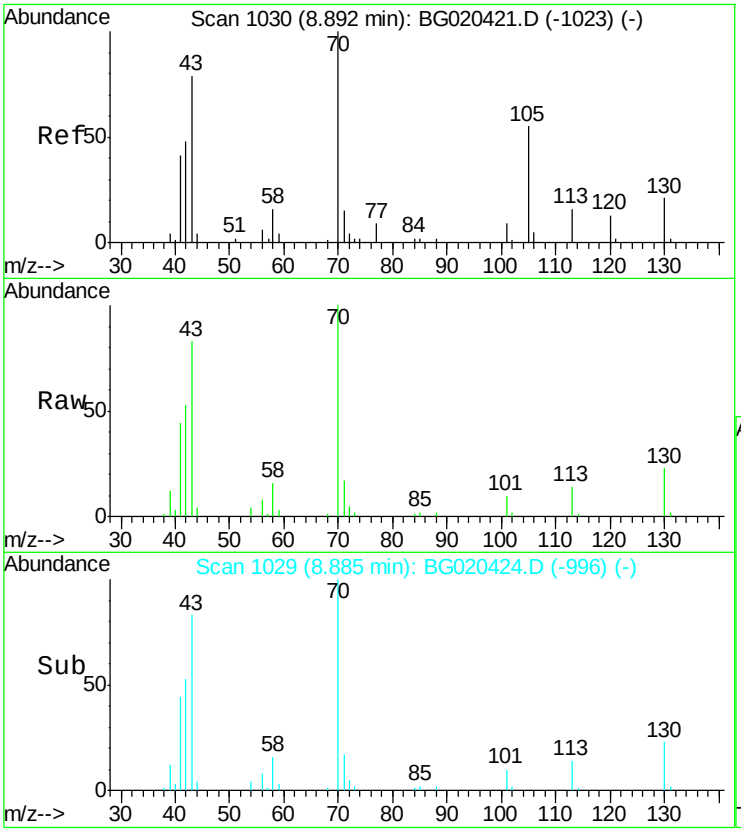


#10
2-Chlorophenol
Concen: 17.80 ng/ul
RT: 7.65 min Scan# 818
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:128 Resp: 24973

Ion	Ratio	Lower	Upper
128	100		
64	43.9	39.4	59.0
130	31.3	24.6	36.8



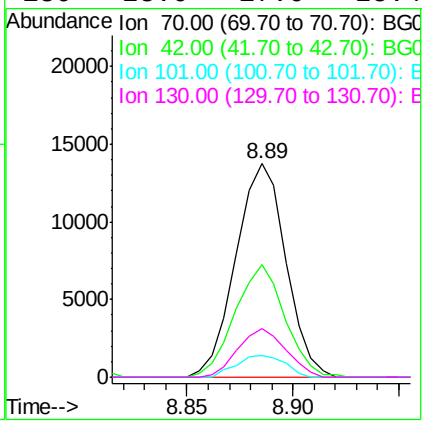


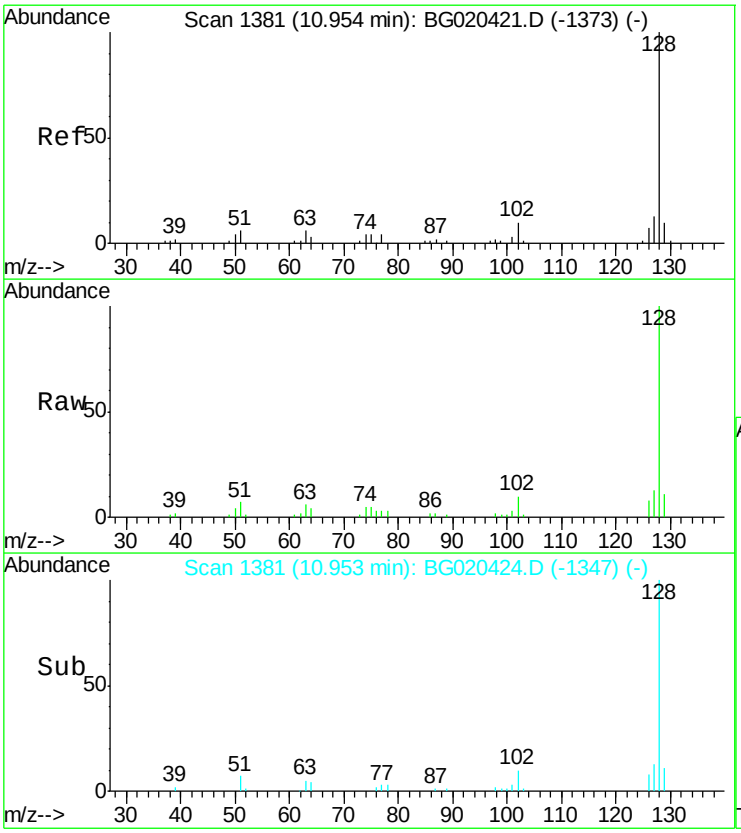
#15
N-Nitroso-di-n-propylamine
Concen: 17.27 ng/ul
RT: 8.89 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion: 70 Resp: 22553

Ion	Ratio	Lower	Upper
70	100		
42	52.7	44.3	66.5
101	10.3	7.6	11.4
130	23.0	17.0	25.4

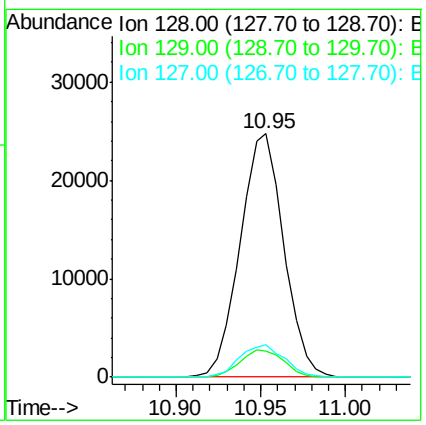


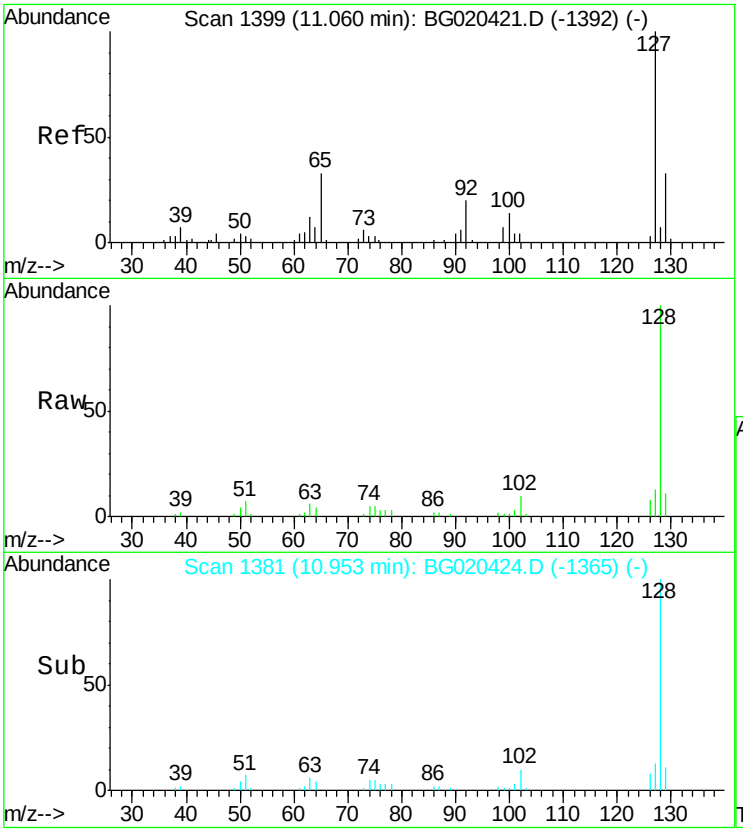


#28
Naphthalene
Concen: 9.12 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:128 Resp: 44359

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	13.1	10.1	15.1



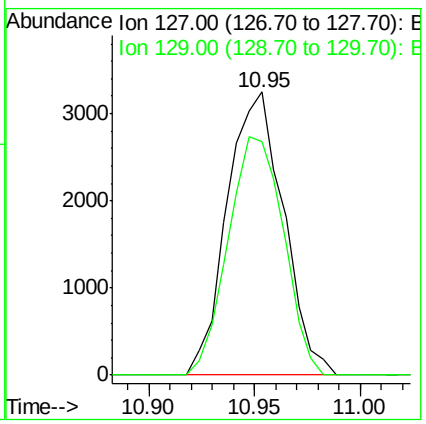


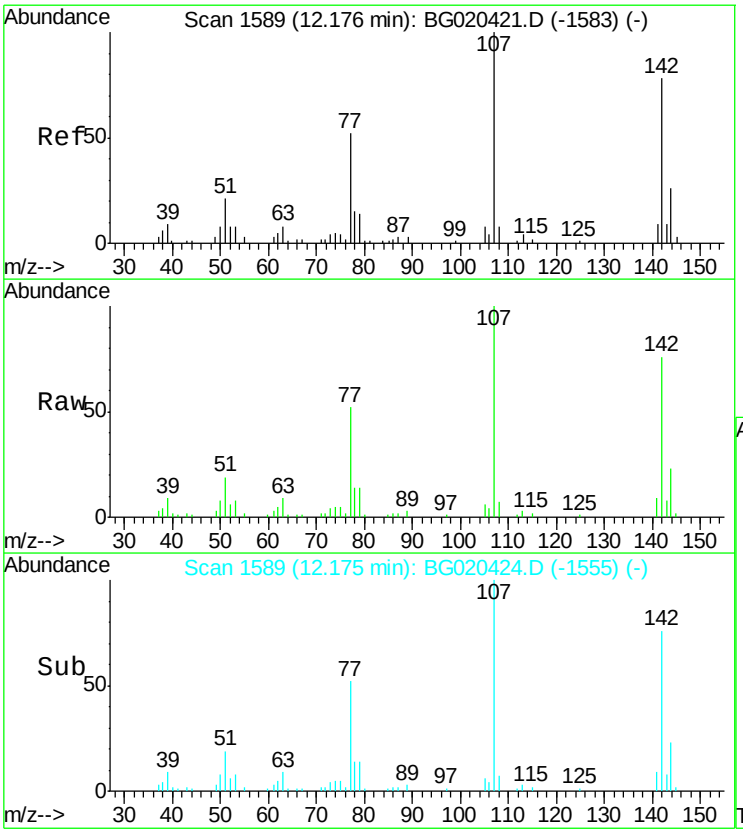
#30
4-Chloroaniline
Concen: 3.20 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. -0.11 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion:127 Resp: 5999

Ion	Ratio	Lower	Upper
127	100		
129	82.4	25.7	38.5#

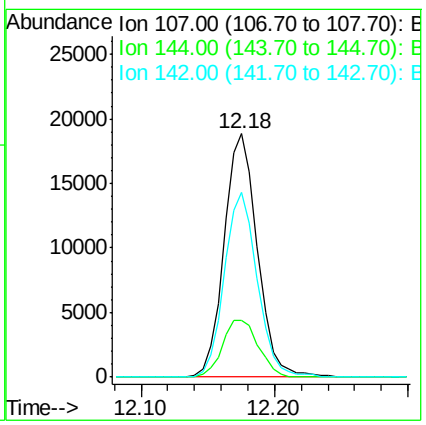


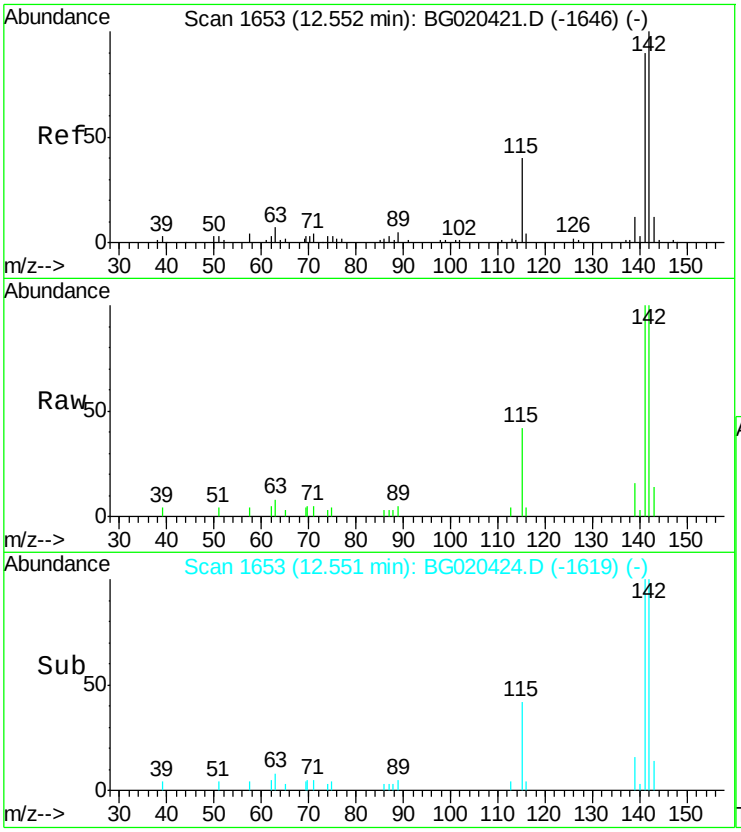


#33
4-Chloro-3-methylphenol
Concen: 16.44 ng/ul
RT: 12.18 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:107 Resp: 32841

Ion	Ratio	Lower	Upper
107	100		
144	23.4	18.7	28.1
142	76.0	52.8	79.2



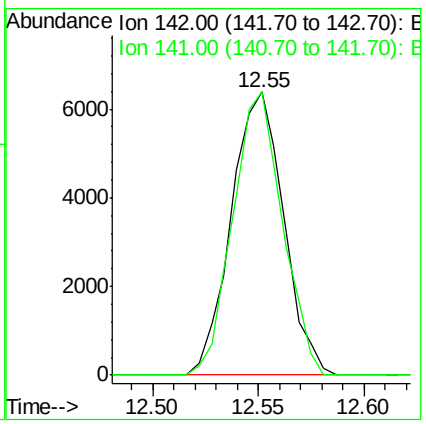


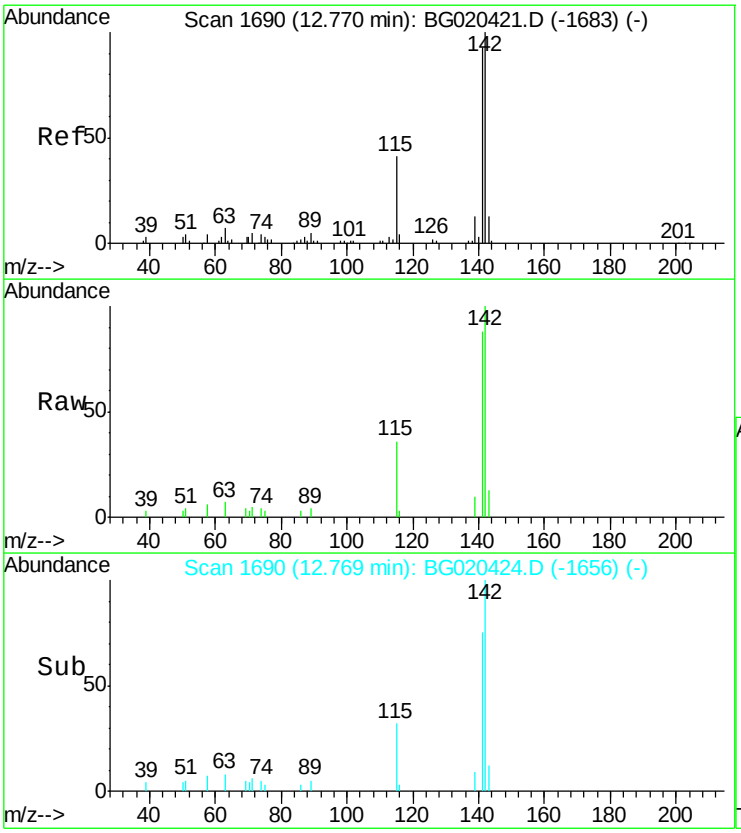
#34
2-Methylnaphthalene
Concen: 2.94 ng/ul
RT: 12.55 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion:142 Resp: 10941

Ion	Ratio	Lower	Upper
142	100		
141	99.9	74.9	112.3

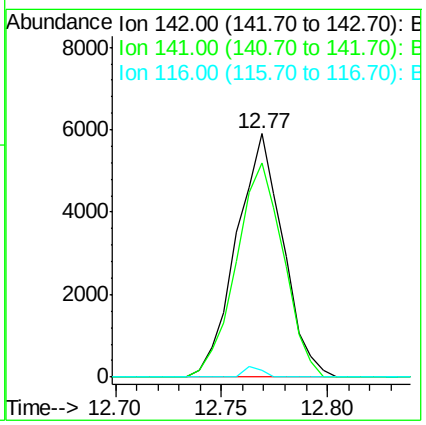


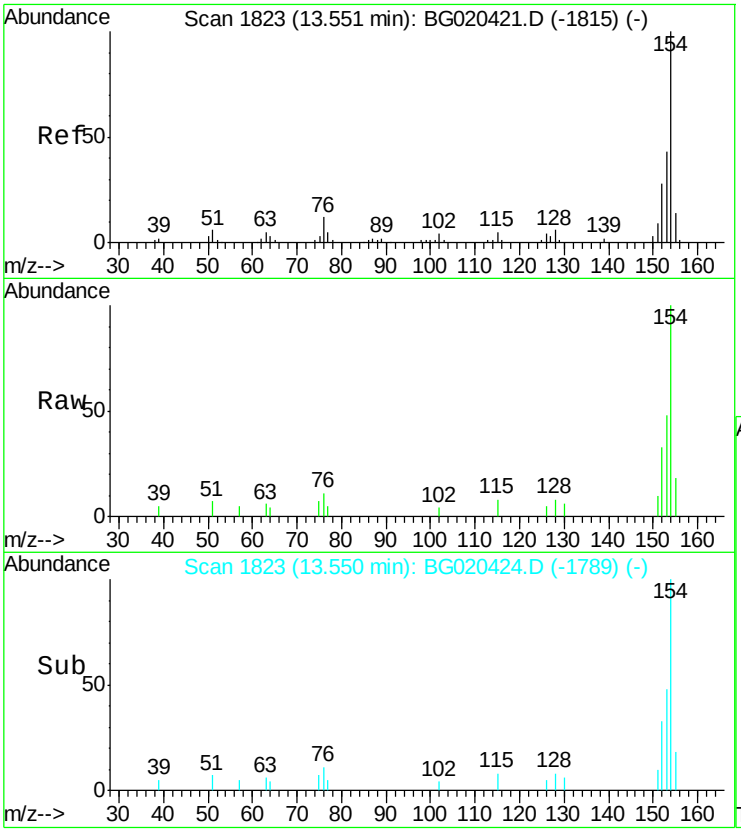


#35
1-Methylnaphthalene
Concen: 2.53 ng/ul
RT: 12.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:142 Resp: 9042

Ion	Ratio	Lower	Upper
142	100		
141	87.8	73.0	109.6
116	2.6	3.0	4.6#



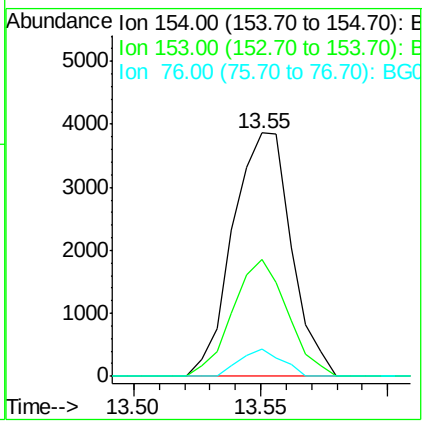


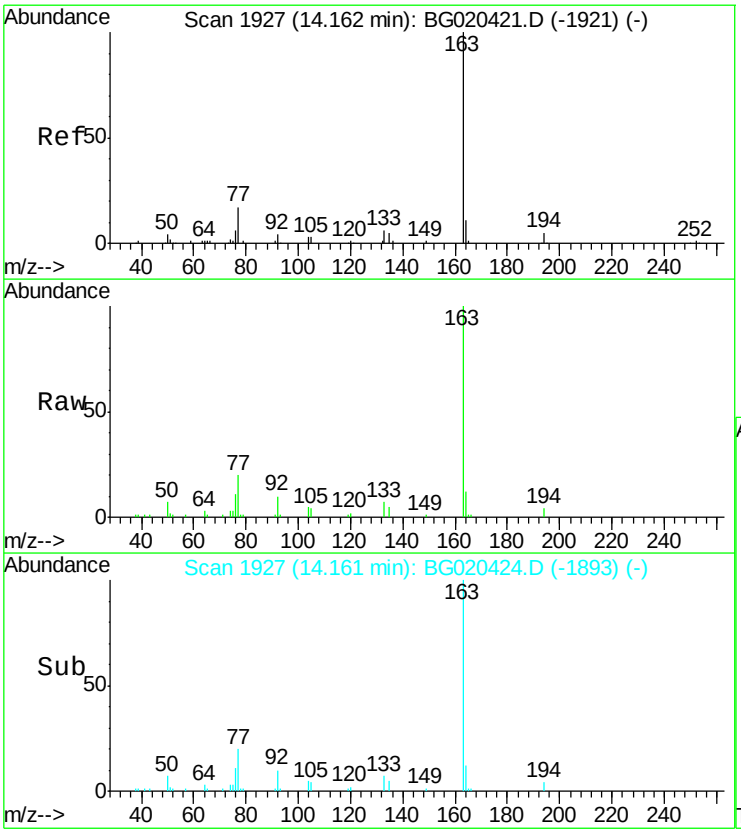
#41
1,1'-Biphenyl
Concen: 1.27 ng/ul
RT: 13.55 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion:154 Resp: 6210

Ion	Ratio	Lower	Upper
154	100		
153	47.9	35.5	53.3
76	11.0	10.4	15.6

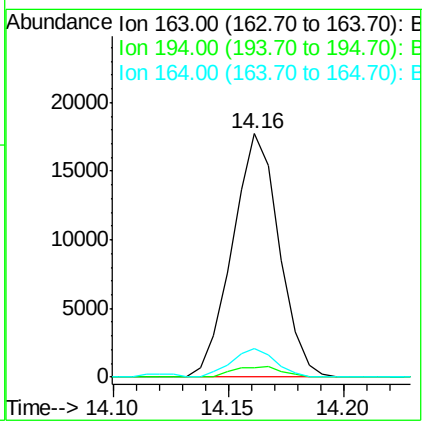


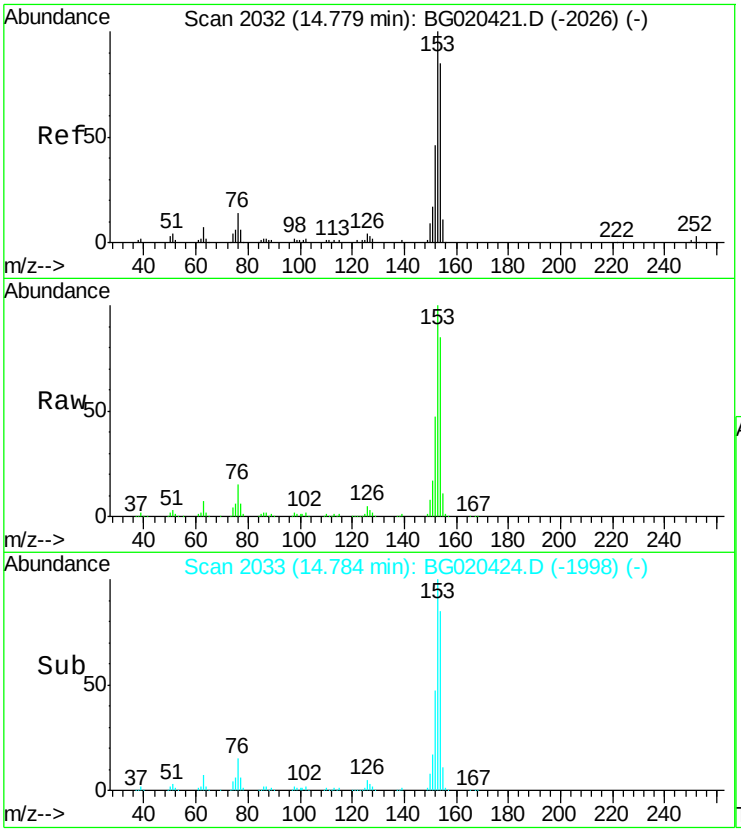


#45
Dimethylphthalate
Concen: 4.66 ng/ul
RT: 14.16 min Scan# 1927
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:163 Resp: 25013

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



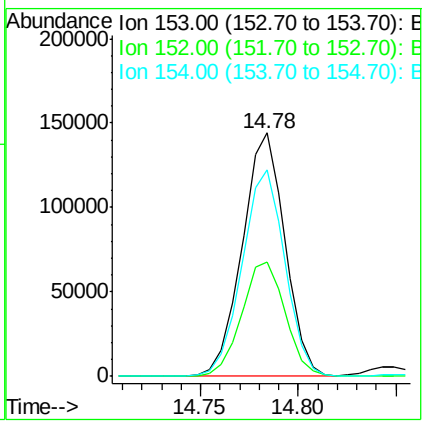


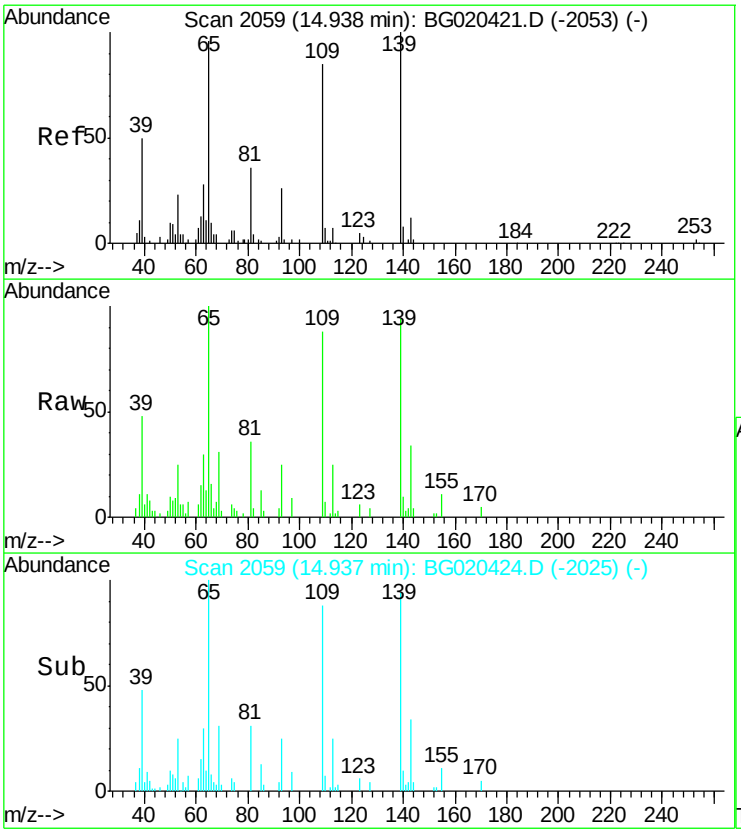
#50
Acenaphthene
Concen: 49.91 ng/ul
RT: 14.78 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion:153 Resp: 218012

Ion	Ratio	Lower	Upper
153	100		
152	46.9	37.6	56.4
154	84.8	67.9	101.9

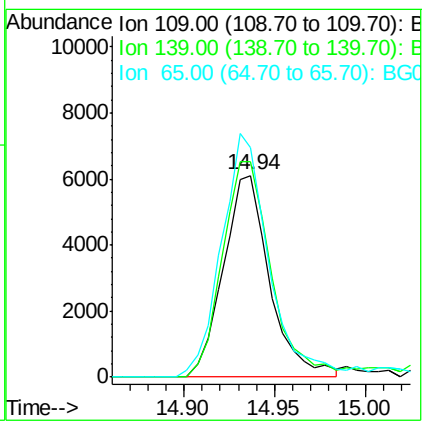


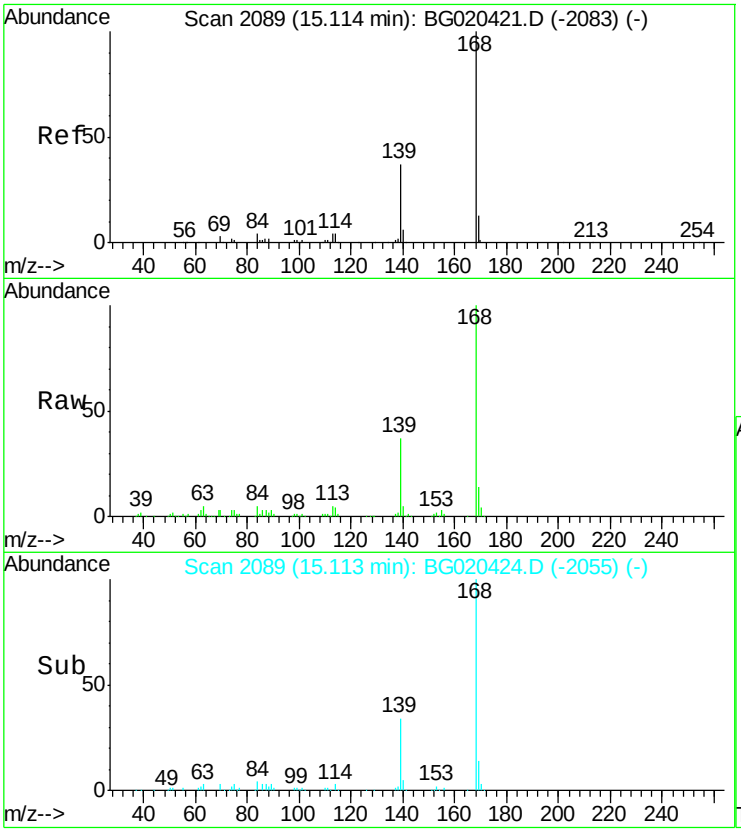


#53
4-Nitrophenol
Concen: 11.96 ng/ul
RT: 14.94 min Scan# 2059
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:109 Resp: 10839

Ion	Ratio	Lower	Upper
109	100		
139	106.4	80.5	120.7
65	113.7	93.4	140.2



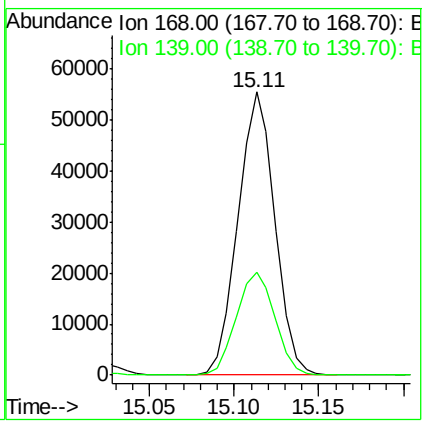


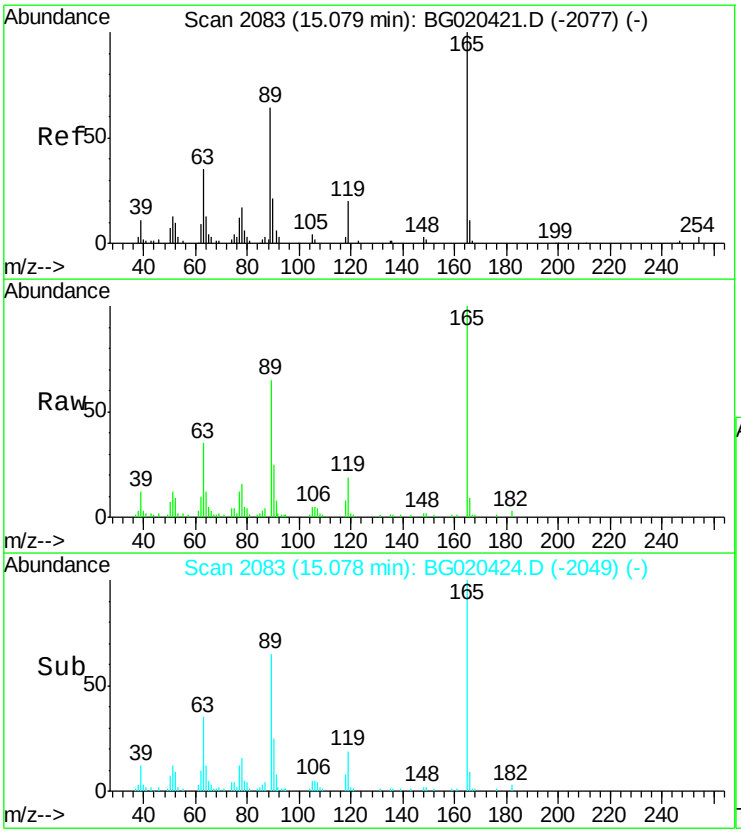
#54
Dibenzofuran
Concen: 12.92 ng/ul
RT: 15.11 min Scan# 2089
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion:168 Resp: 83925

Ion	Ratio	Lower	Upper
168	100		
139	36.6	30.5	45.7

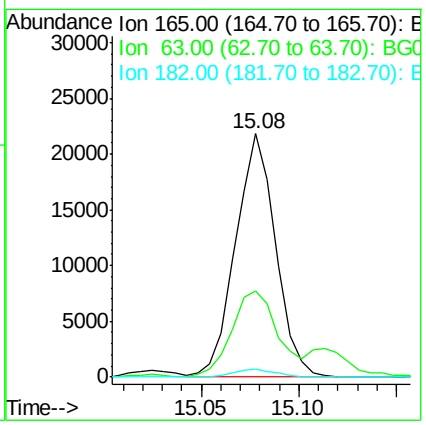


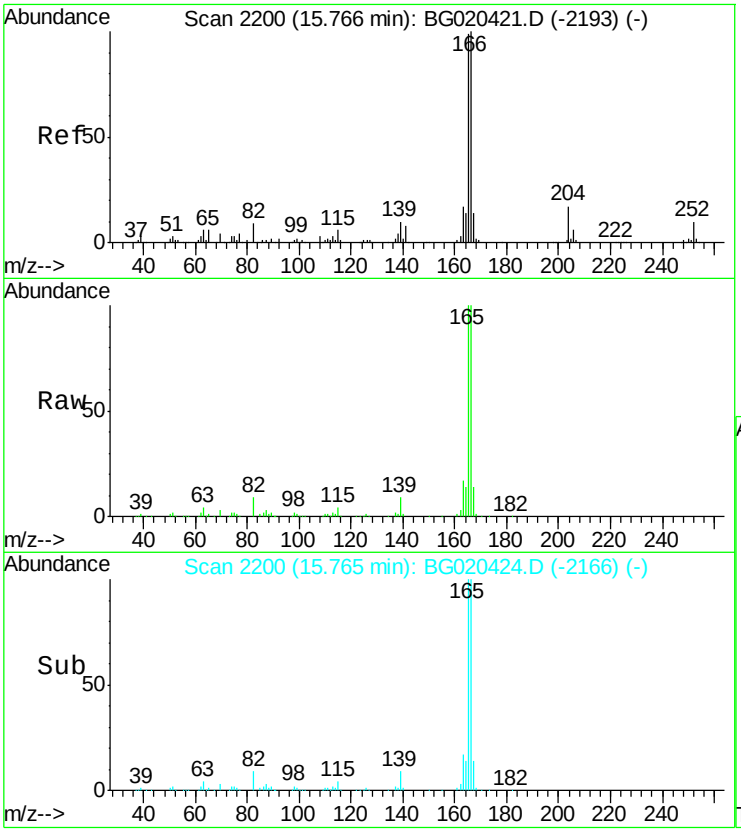


#55
2,4-Dinitrotoluene
Concen: 19.03 ng/ul
RT: 15.08 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:165 Resp: 30993

Ion	Ratio	Lower	Upper
165	100		
63	35.3	35.8	53.8#
182	3.3	2.2	3.2#



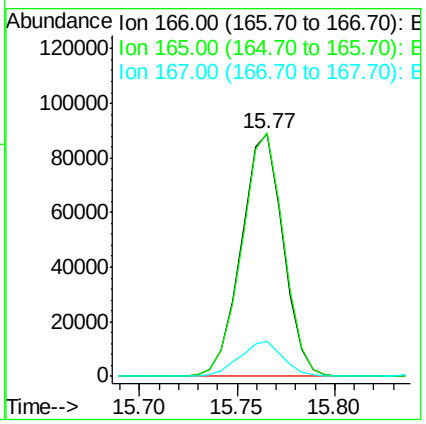


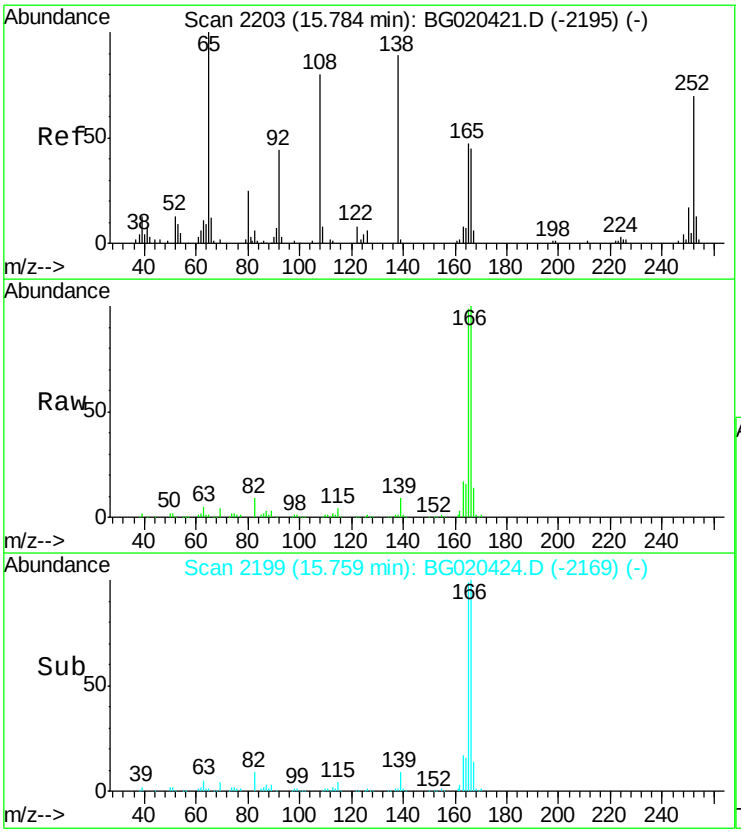
#59
Fluorene
Concen: 25.19 ng/ul
RT: 15.77 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion:166 Resp: 131413

Ion	Ratio	Lower	Upper
166	100		
165	100.3	81.4	122.0
167	14.2	11.2	16.8

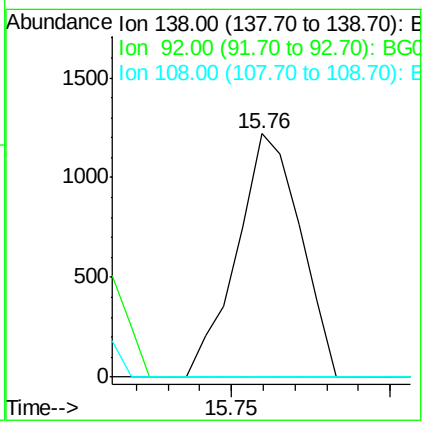


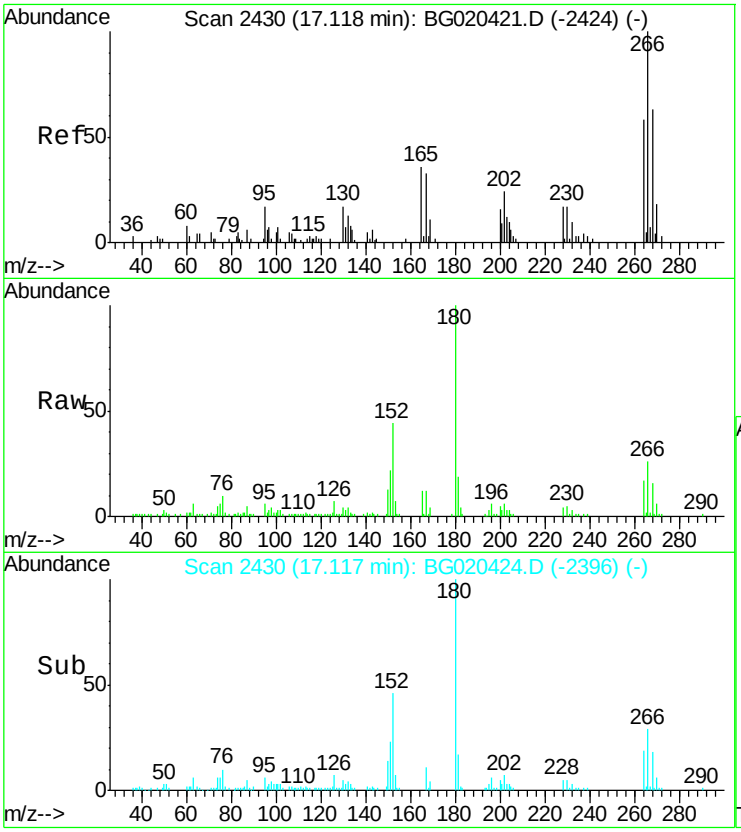


#61
4-Nitroaniline
Concen: 1.45 ng/ul
RT: 15.76 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:138 Resp: 1692

Ion	Ratio	Lower	Upper
138	100		
92	0.0	45.2	67.8#
108	0.0	75.4	113.0#



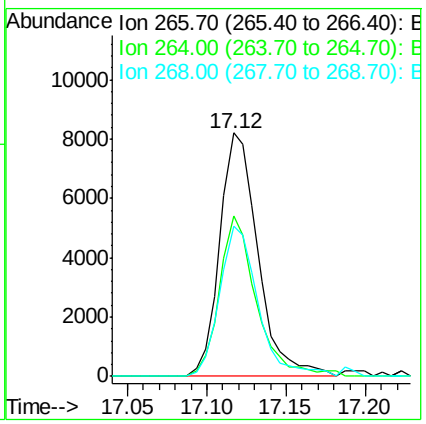


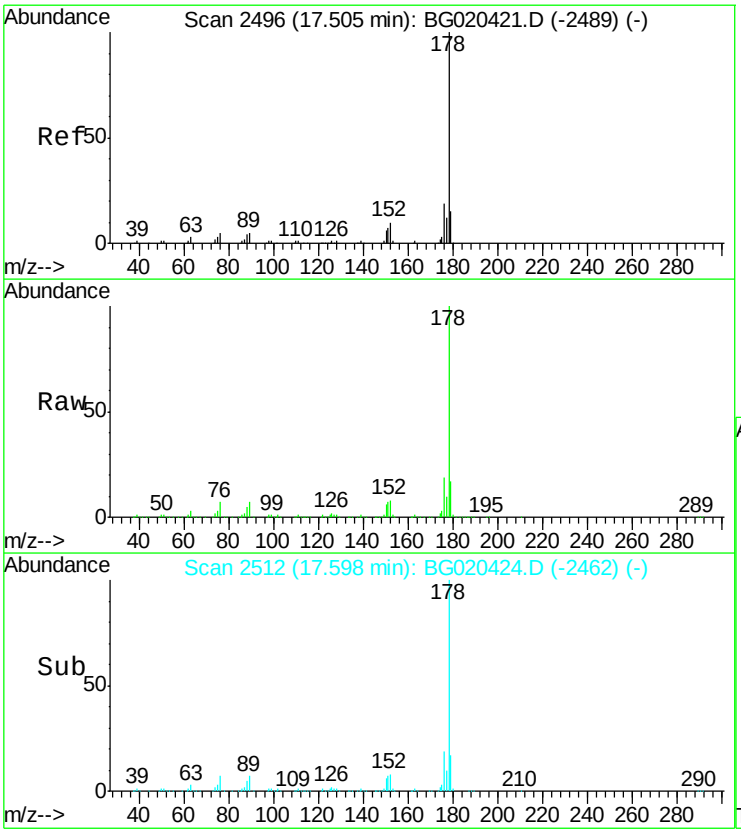
#69
Pentachlorophenol
Concen: 12.09 ng/ul
RT: 17.12 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion:266 Resp: 13710

Ion	Ratio	Lower	Upper
266	100		
264	66.1	52.2	78.2
268	66.4	49.3	73.9

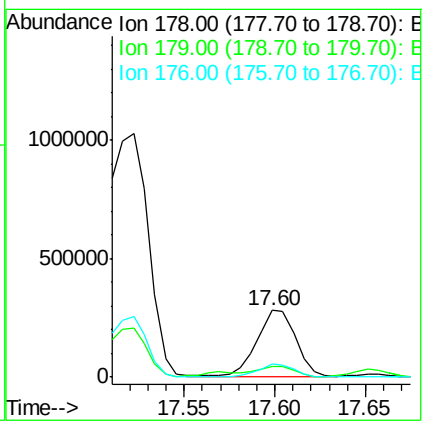


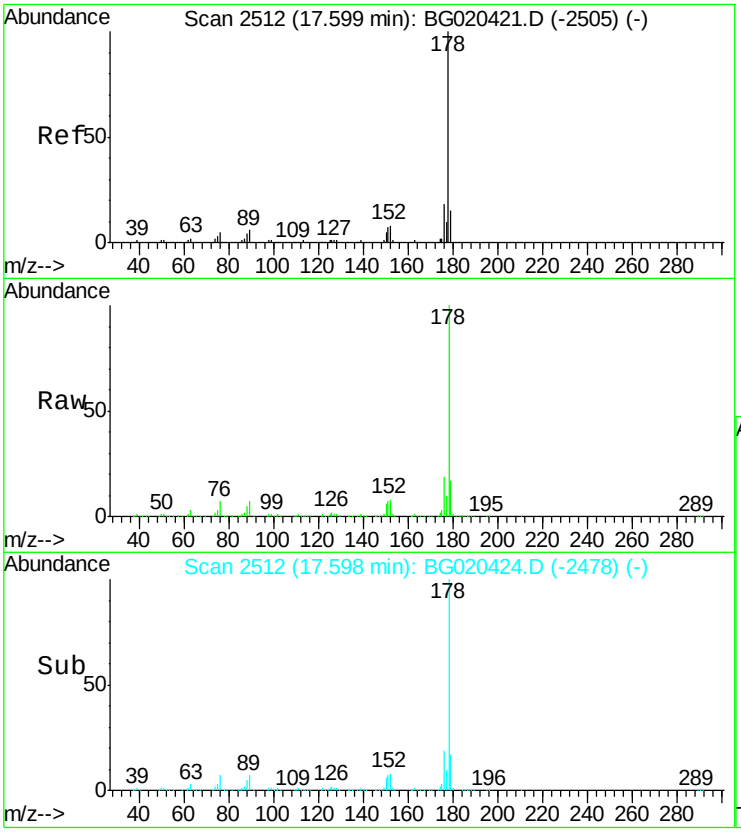


#70
Phenanthrene
Concen: 52.24 ng/ul
RT: 17.60 min Scan# 2512
Delta R.T. 0.09 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:178 Resp: 426264

Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.9	19.3
176	19.2	15.3	22.9



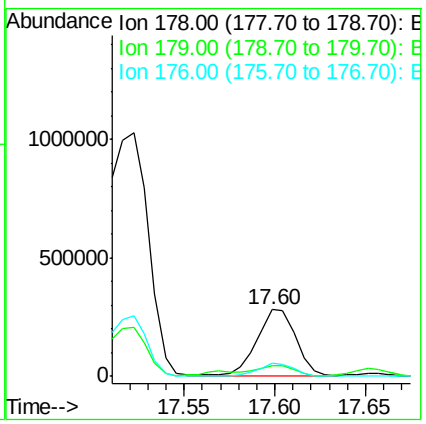


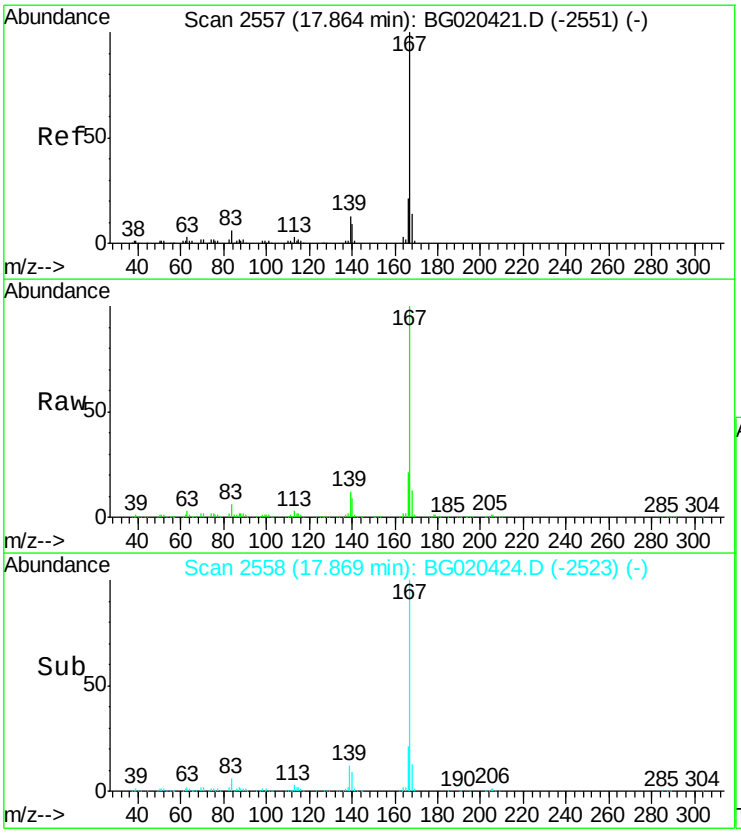
#72
Anthracene
Concen: 51.64 ng/ul
RT: 17.60 min Scan# 2512
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion:178 Resp: 427382

Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.3	18.5
176	19.2	14.3	21.5

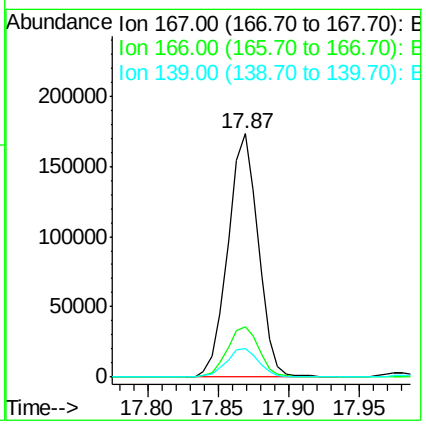


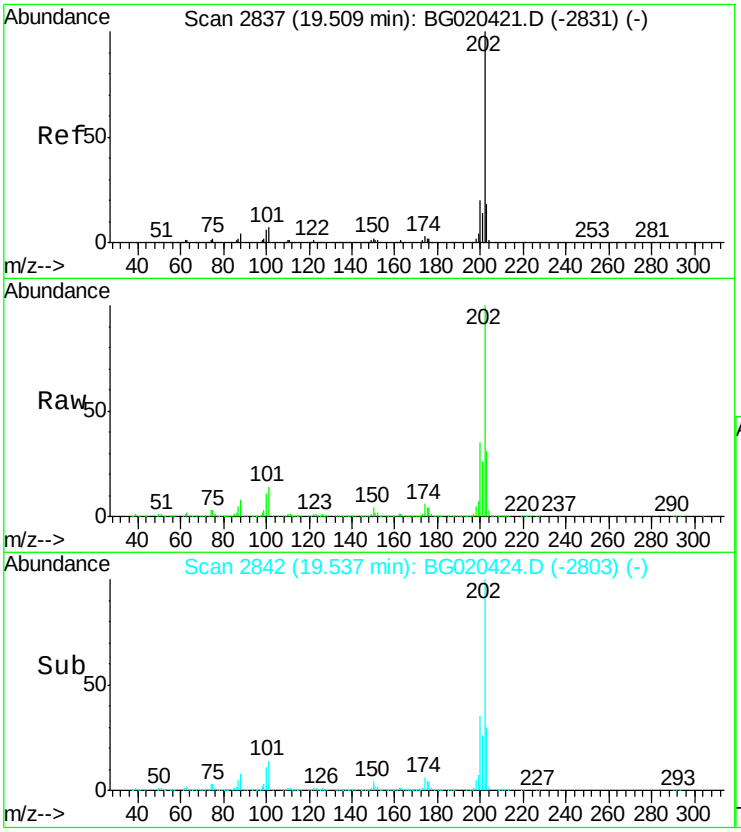


#75
Carbazole
Concen: 37.33 ng/ul
RT: 17.87 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:167 Resp: 259630

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.0	25.6
139	11.9	10.1	15.1



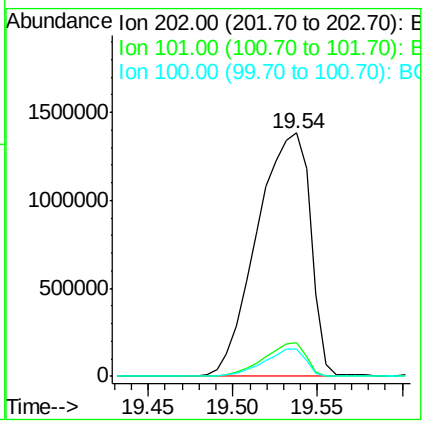


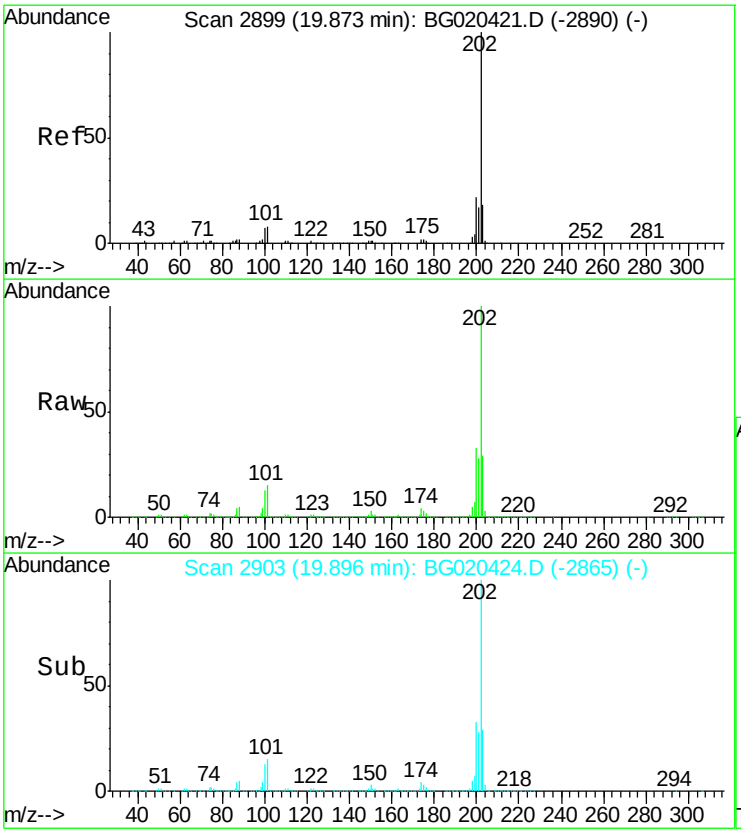
#77
Fluoranthene
Concen: 316.59 ng/ul
RT: 19.54 min Scan# 2842
Delta R.T. 0.03 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion:202 Resp: 3019333

Ion	Ratio	Lower	Upper
202	100		
101	13.7	6.2	9.4#
100	11.3	5.1	7.7#

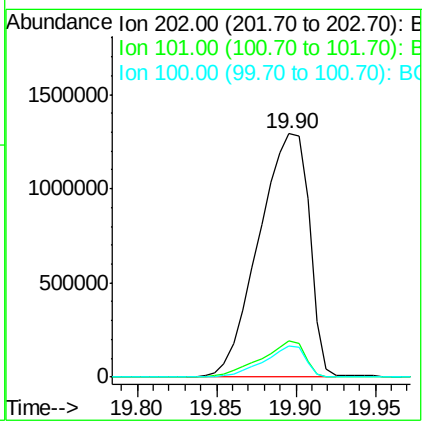


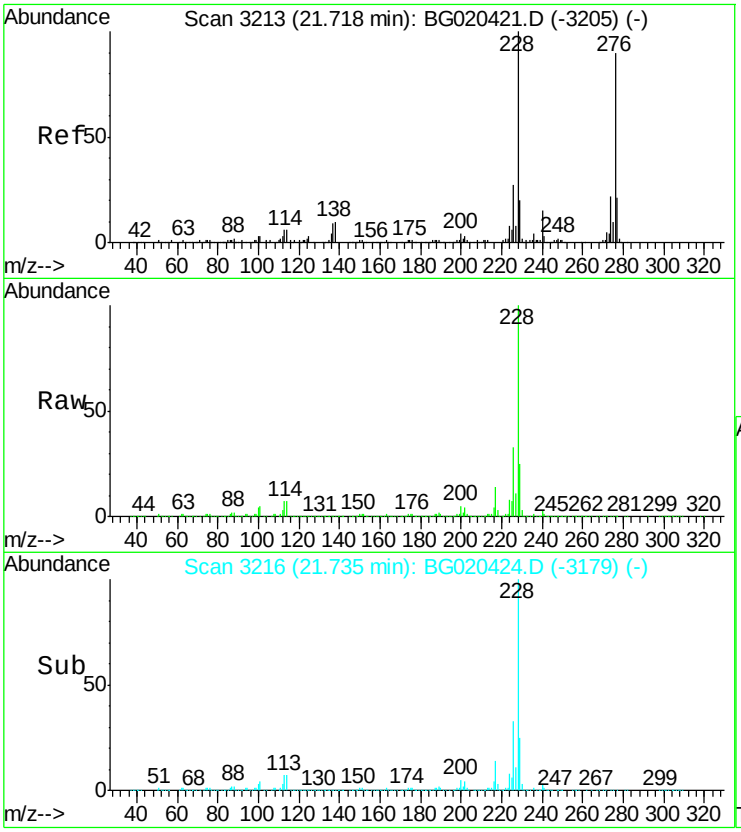


#80
Pyrene
Concen: 256.25 ng/ul
RT: 19.90 min Scan# 2903
Delta R.T. 0.02 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:202 Resp: 2853880

Ion	Ratio	Lower	Upper
202	100		
101	14.8	7.0	10.4#
100	12.9	6.4	9.6#



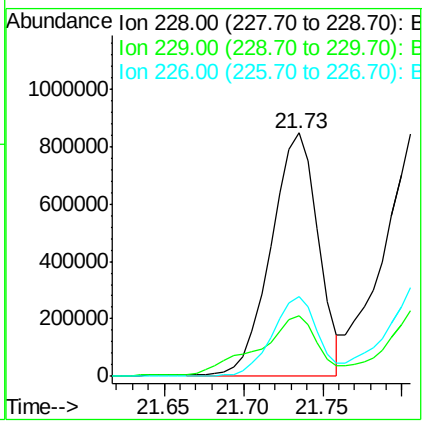


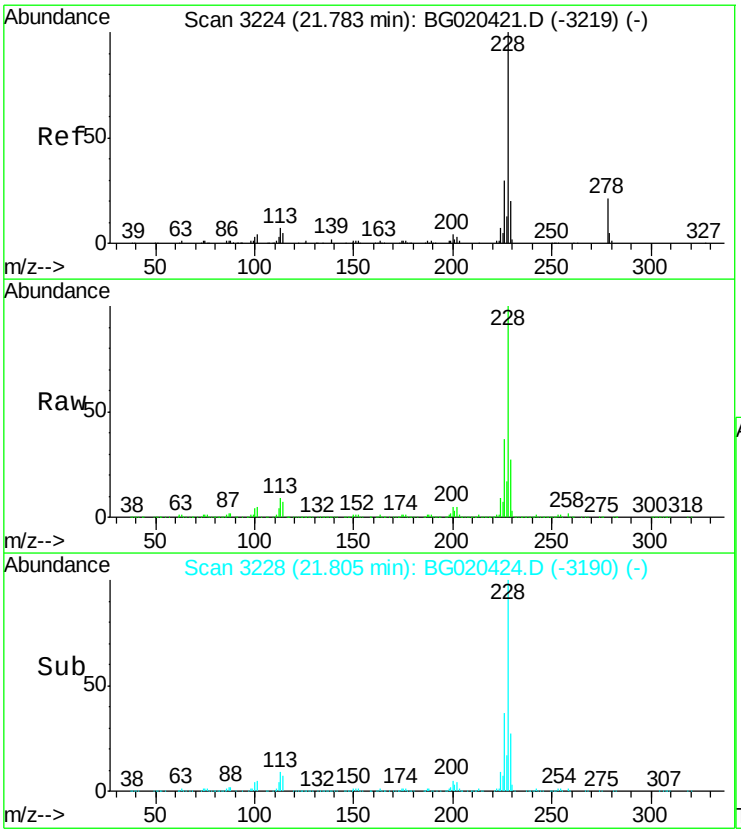
#83
Benzo(a)anthracene
Concen: 162.84 ng/ul
RT: 21.73 min Scan# 3216
Delta R.T. 0.02 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion:228 Resp: 1748431

Ion	Ratio	Lower	Upper
228	100		
229	24.7	15.8	23.8#
226	33.0	21.8	32.6#

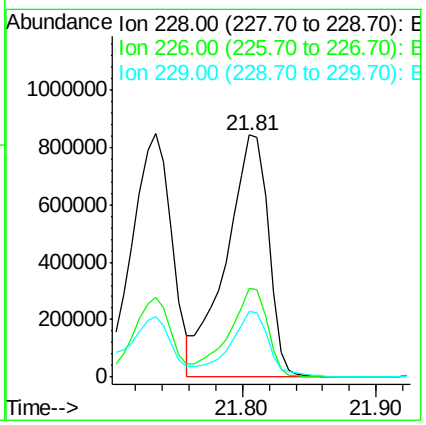


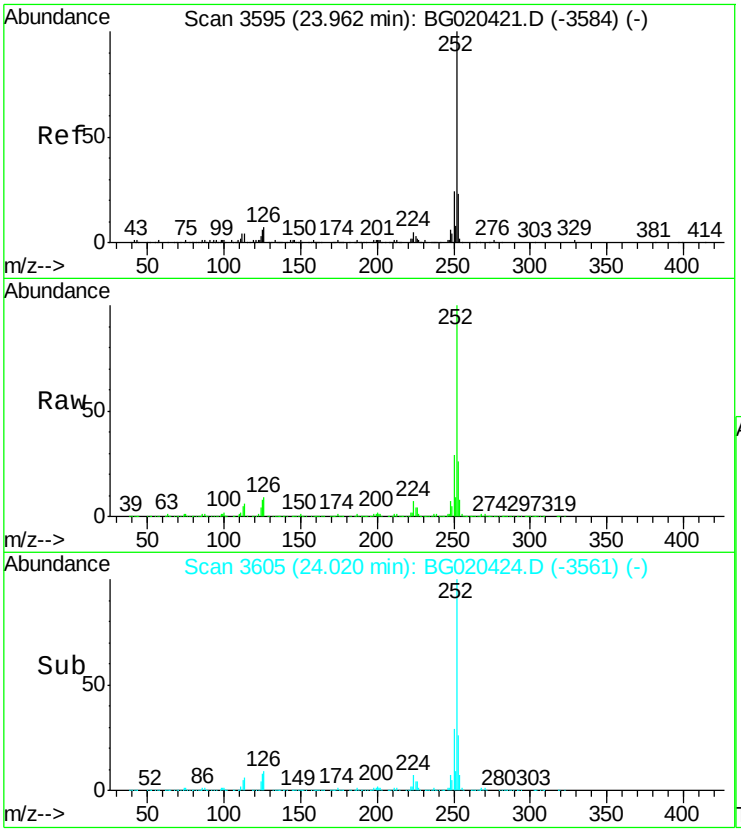


#85
Chrysene
Concen: 182.27 ng/ul
RT: 21.81 min Scan# 3228
Delta R.T. 0.02 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:228 Resp: 1843175

Ion	Ratio	Lower	Upper
228	100		
226	36.6	23.9	35.9#
229	27.2	15.6	23.4#



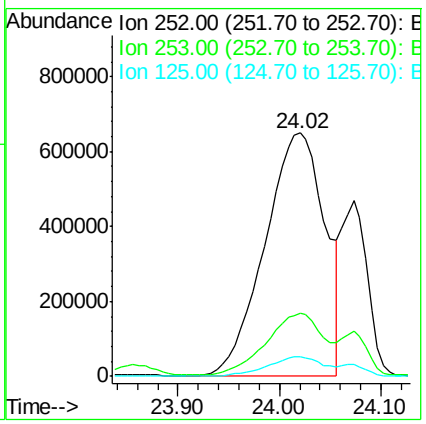


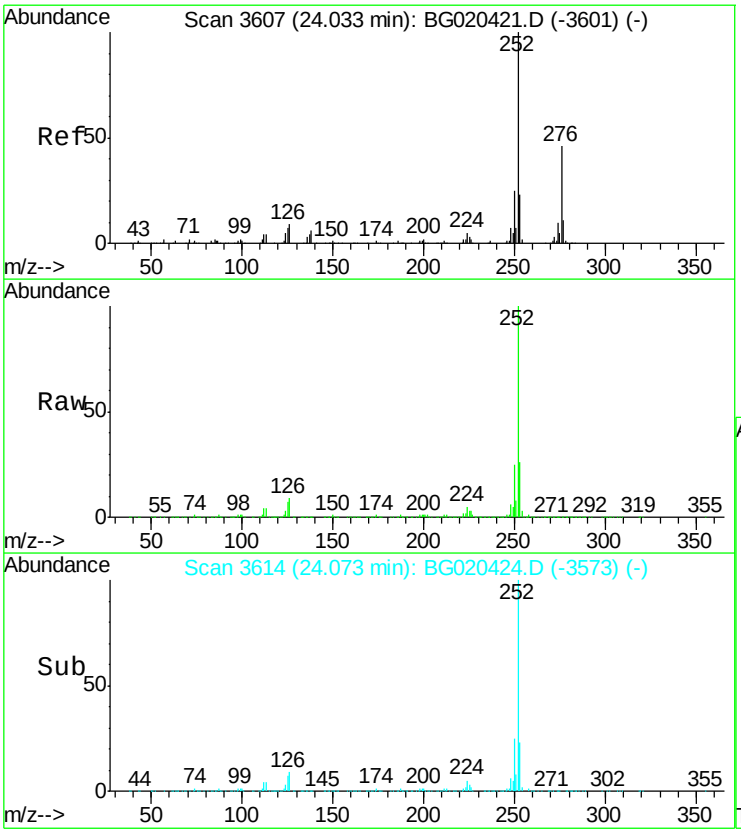
#88
Benzo(b)fluoranthene
Concen: 237.00 ng/ul
RT: 24.02 min Scan# 3605
Delta R.T. 0.06 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion:252 Resp: 2662117

Ion	Ratio	Lower	Upper
252	100		
253	25.7	16.7	25.1#
125	8.1	6.2	9.2

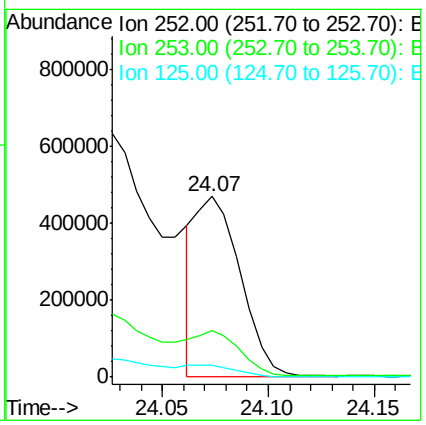


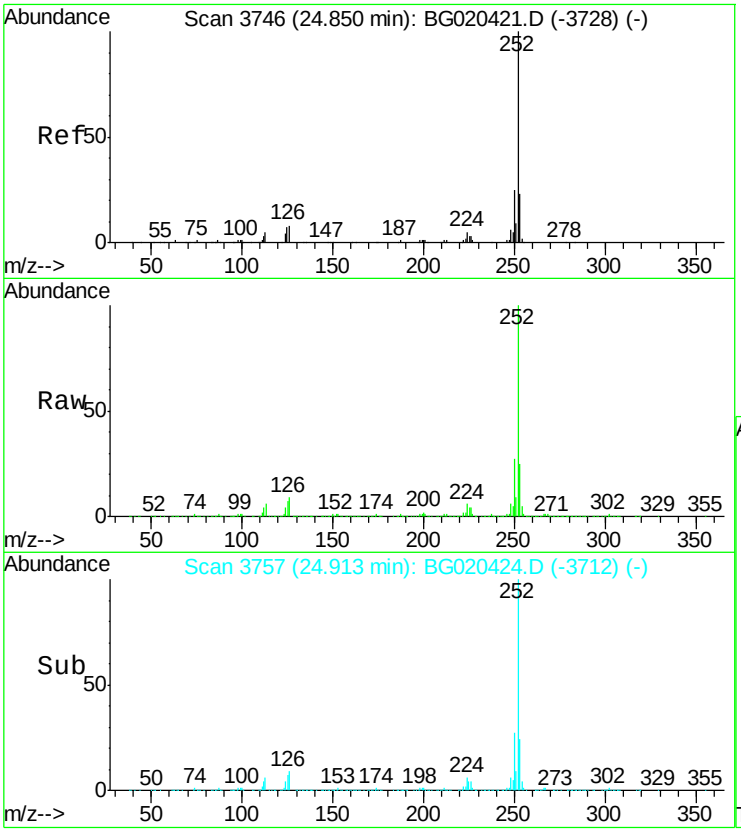


#89
Benzo(k)fluoranthene
Concen: 62.78 ng/ul
RT: 24.07 min Scan# 3614
Delta R.T. 0.04 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:252 Resp: 676654

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	6.7	5.8	8.6



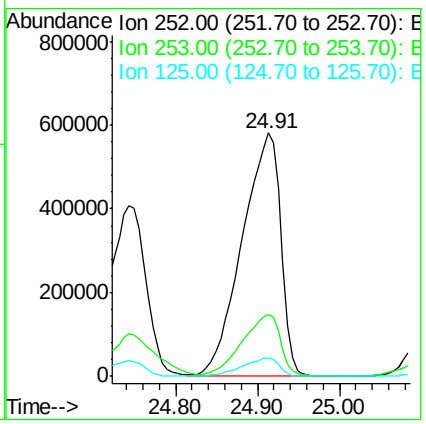


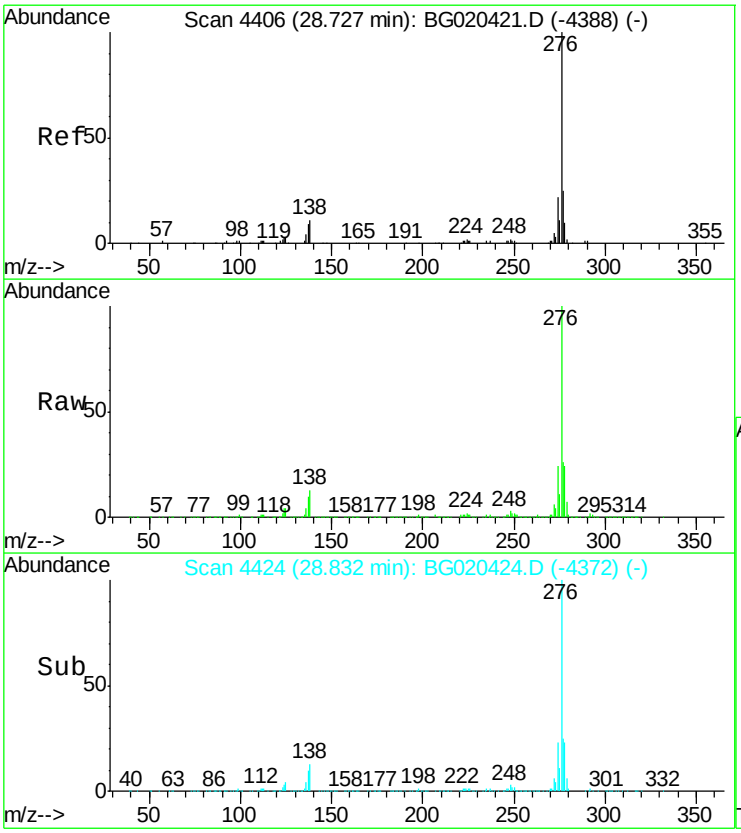
#91
Benzo(a)pyrene
Concen: 178.11 ng/ul
RT: 24.91 min Scan# 3757
Delta R.T. 0.06 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion:252 Resp: 1896478

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.4
125	7.5	6.2	9.4

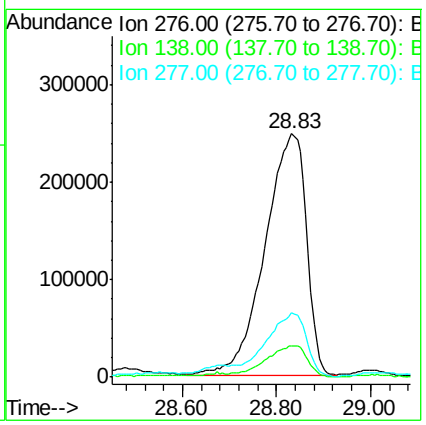


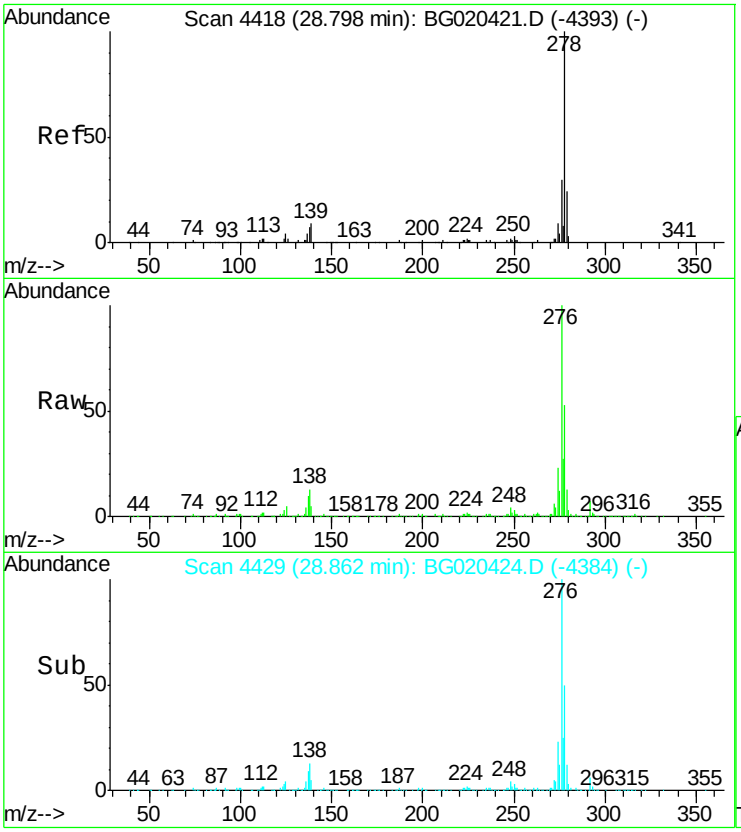


#92
Indeno(1,2,3-cd)pyrene
Concen: 118.83 ng/ul
RT: 28.83 min Scan# 4424
Delta R.T. 0.10 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:276 Resp: 1506835

Ion	Ratio	Lower	Upper
276	100		
138	12.9	11.4	17.0
277	26.2	17.4	26.0#



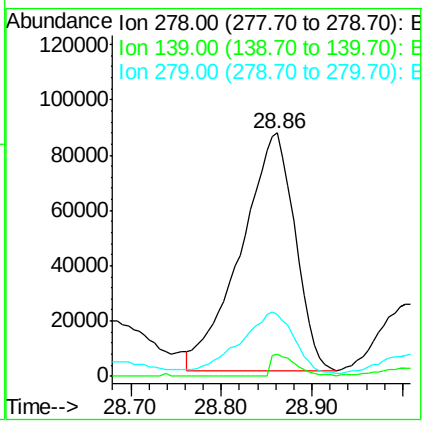


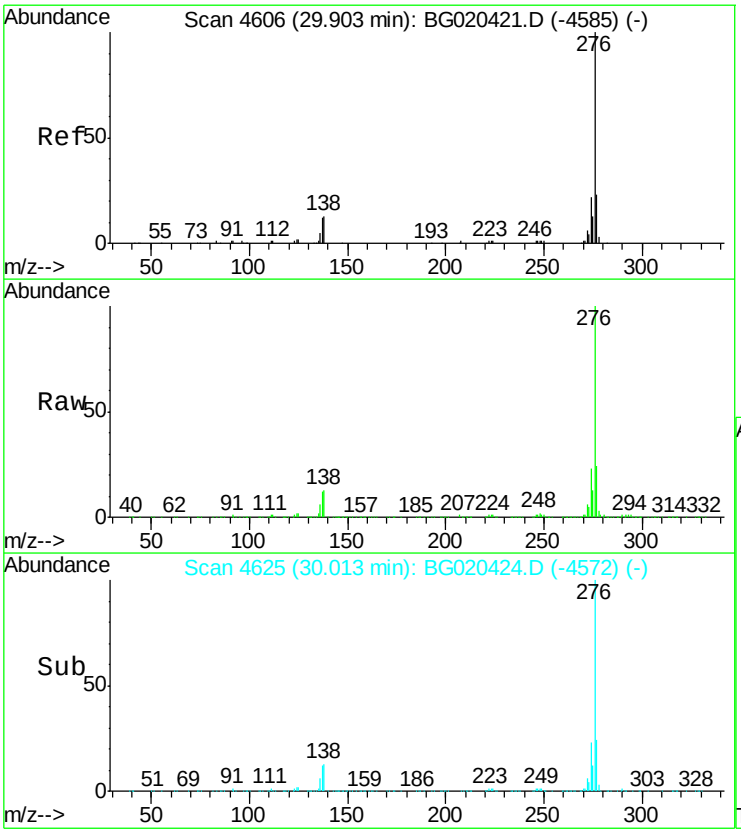
#93
Dibenzo(a,h)anthracene
Concen: 33.76 ng/ul
RT: 28.86 min Scan# 4429
Delta R.T. 0.06 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tgt Ion:278 Resp: 355349

Ion	Ratio	Lower	Upper
278	100		
139	9.3	9.4	14.2#
279	25.2	19.4	29.0





#94
Benzo(g,h,i)perylene
Concen: 132.63 ng/ul
RT: 30.01 min Scan# 4625
Delta R.T. 0.11 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion:276 Resp: 1378661

Ion	Ratio	Lower	Upper
276	100		
138	13.3	10.8	16.2
277	24.2	19.9	29.9