Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021890.D
Acq On : 15 May 2016 12:54
Operator : UM/SJ
Sample : H3096-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XF7MS

Quant Time: May 16 01:28:05 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 16 01:27:47 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	47346	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	251165	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	155214	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	326501	20.00	ng/ul	0.00
76) Chrysene-d12	21.81	240	322096	20.00	ng/ul	0.00
84) Perylene-d12	25.15	264	321893	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	3346	3.41	ng/uL	0.00
5) Phenol-d5	7.31	99	76588	21.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	37570	21.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	72165	26.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	62186	21.07	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	38383	23.24	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	40303	38.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	79651	27.01	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	152	0.05	ng/ul	0.19
44) Dimethylphthalate-d6	14.19	166	277977	25.50	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	368838	23.83	ng/ul	0.00
52) 4-Nitrophenol-d4	14.98	143	22772	12.19	ng/ul	0.00
58) Fluorene-d10	15.77	176	248470	21.65	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	29173	32.26	ng/ul	0.00
71) Anthracene-d10	17.63	188	353579	22.25	ng/ul	0.00
77) Pyrene-d10	19.91	212	378254	25.09	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.92	264	345375	22.58	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	7.32	77	1059	2.77	ng/ul#	63
6) Phenol	7.34	94	78517	21.01	ng/ul#	71
10) 2-Chlorophenol	7.73	128	71614	26.05	ng/ul#	76
15) N-Nitroso-di-n-propylamine	8.97	70	51446	23.42	ng/ul#	73
28) Naphthalene	11.03	128	40266	3.20	ng/ul	98
30) 4-Chloroaniline	11.03	127	5495	1.71	ng/ul#	14
33) 4-Chloro-3-methylphenol	12.24	107	79730	26.25	ng/ul#	67
34) 2-Methylnaphthalene	12.63	142	15128	1.63	ng/ul	96
35) 1-Methylnaphthalene	12.84	142	13142	1.43	ng/ul#	87
45) Dimethylphthalate	14.23	163	69008	6.21	ng/ul	97
50) Acenaphthene	14.85	153	280796	25.48	ng/ul	99
53) 4-Nitrophenol	14.99	109	12437	14.60	ng/ul#	45
54) Dibenzofuran	15.19	168	32254	2.18	ng/ul	89
55) 2,4-Dinitrotoluene	15.14	165	75756	24.97	ng/ul#	55
59) Fluorene	15.83	166	26961	2.11	ng/ul#	97
68) Atrazine	17.18	200	9005	3.29	ng/ul#	35
69) Pentachlorophenol	17.18	266	53563	35.59	ng/ul	95
70) Phenanthrene	17.57	178	461015	25.83	ng/ul	96
72) Anthracene	17.66	178	113336	6.25	ng/ul	97
75) Fluoranthene	19.58	202	538021	26.53	ng/ul	96
78) Pyrene	19.58	202	538203	28.88	ng/ul	98
79) Butylbenzylphthalate	20.80	149	20252	4.92	ng/ul#	79
81) Benzo(a)anthracene	21.79	228	206674	11.53	ng/ul	97

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021890.D
Acq On : 15 May 2016 12:54
Operator : UM/SJ
Sample : H3096-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XF7MS

Quant Time: May 16 01:28:05 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 16 01:27:47 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Bis(2-ethylhexyl)phthalate	21.69	149	356478	53.01	ng/ul	97
83) Chrysene	21.86	228	190417	10.74	ng/ul	97
85) Di-n-octyl phthalate	22.94	149	79968	6.03	ng/ul	100
86) Benzo(b)fluoranthene	24.09	252	262733	14.26	ng/ul#	97
87) Benzo(k)fluoranthene	24.09	252	262733	13.32	ng/ul#	96
89) Benzo(a)pyrene	24.98	252	171640	9.36	ng/ul#	95
90) Indeno(1,2,3-cd)pyrene	28.95	276	119497	5.50	ng/ul#	90
92) Benzo(g,h,i)perylene	30.13	276	104962	5.85	ng/ul#	96

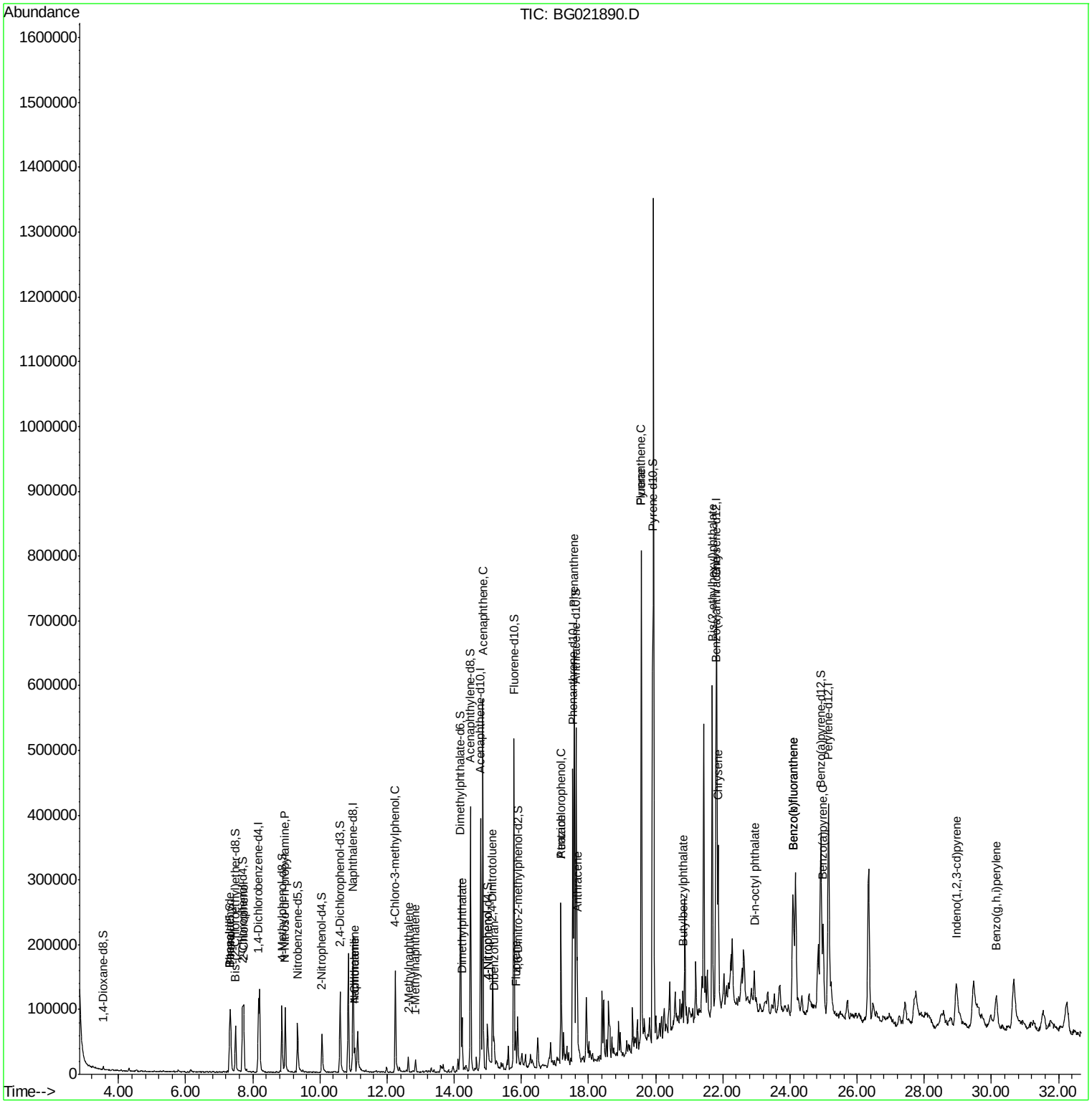
(#) = qualifier out of range (m) = manual integration (+) = signals summed

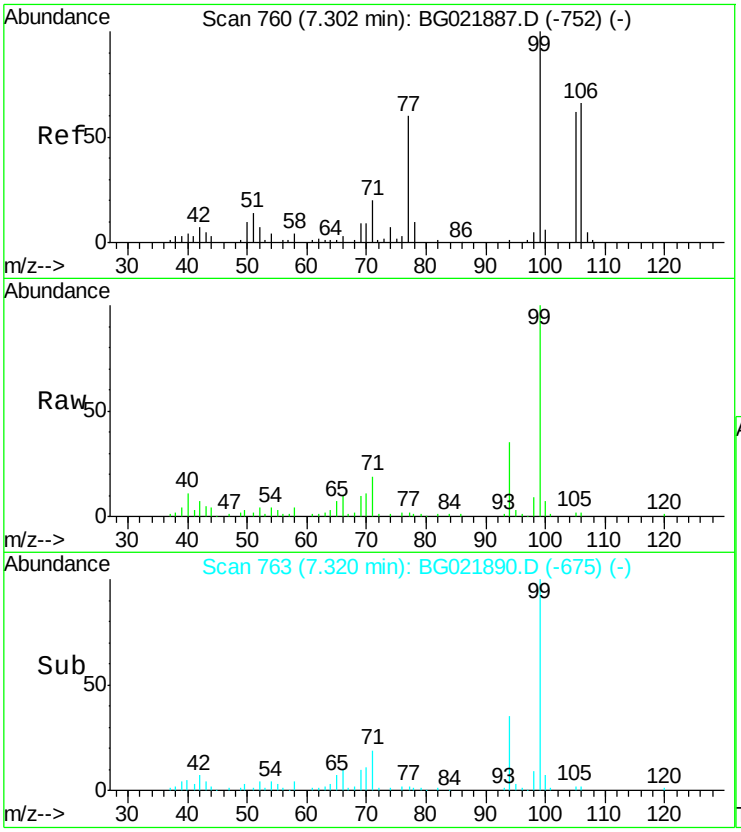
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021890.D
Acq On : 15 May 2016 12:54
Operator : UM/SJ
Sample : H3096-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Quant Time: May 16 01:28:05 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 16 01:27:47 2016
Response via : Initial Calibration



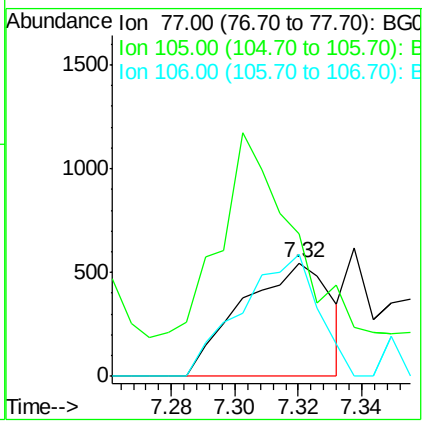


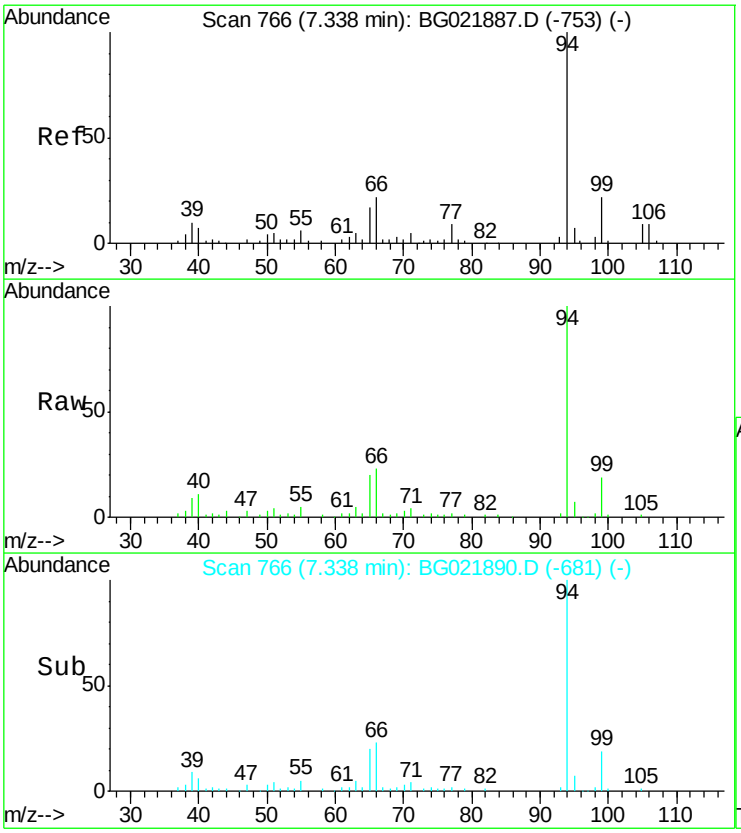
#4
Benzaldehyde
Concen: 2.77 ng/ul
RT: 7.32 min Scan# 763
Delta R.T. 0.02 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion: 77 Resp: 1059

Ion	Ratio	Lower	Upper
77	100		
105	126.1	68.5	102.7#
106	108.3	65.0	97.4#

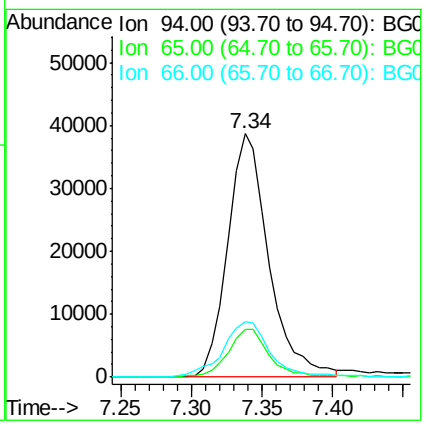


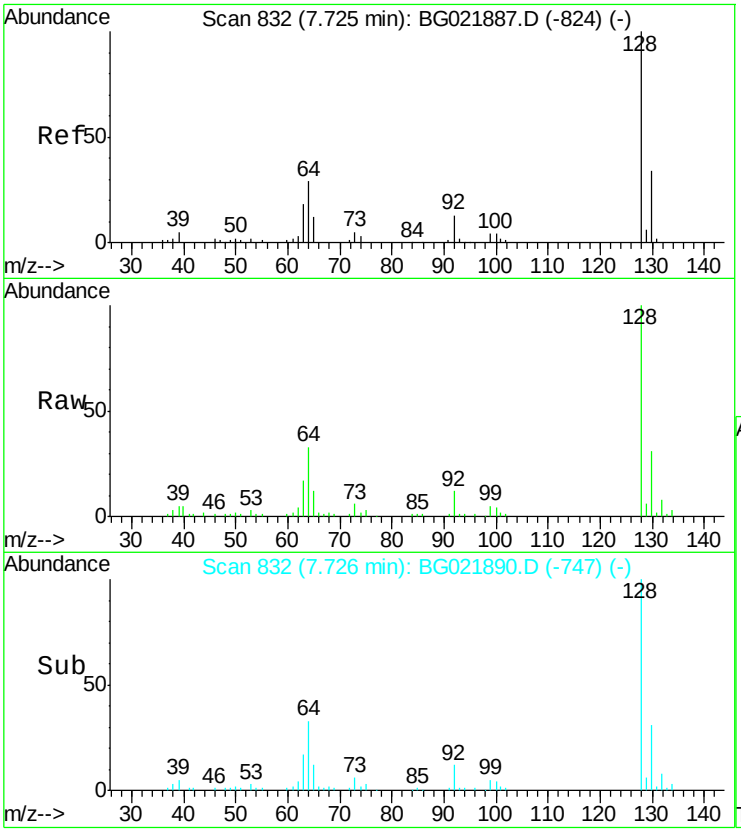


#6
Phenol
Concen: 21.01 ng/ul
RT: 7.34 min Scan# 766
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion: 94 Resp: 78517

Ion	Ratio	Lower	Upper
94	100		
65	19.7	26.1	39.1#
66	22.7	35.0	52.4#



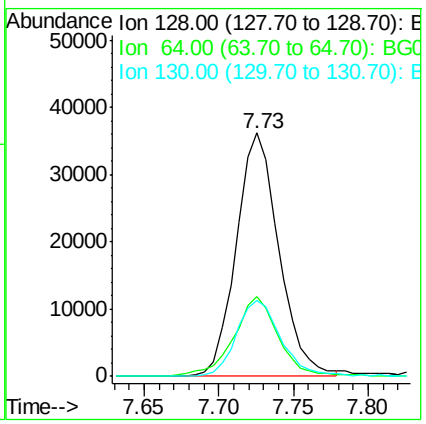


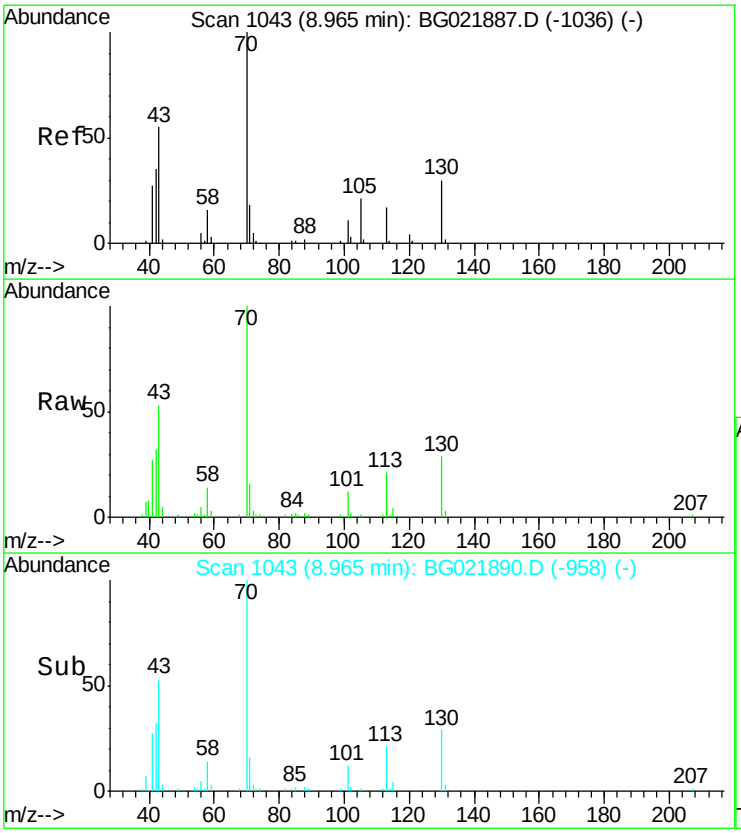
#10
2-Chlorophenol
Concen: 26.05 ng/ul
RT: 7.73 min Scan# 832
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:128 Resp: 71614

Ion	Ratio	Lower	Upper
128	100		
64	33.0	47.0	70.6#
130	31.3	27.8	41.6

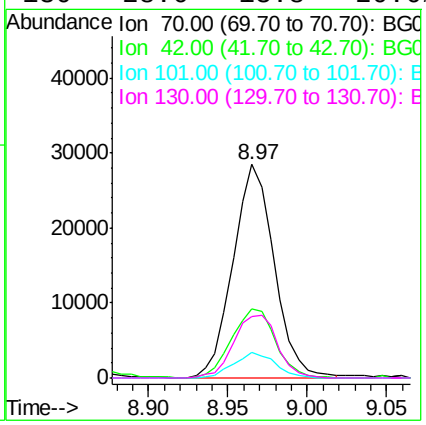


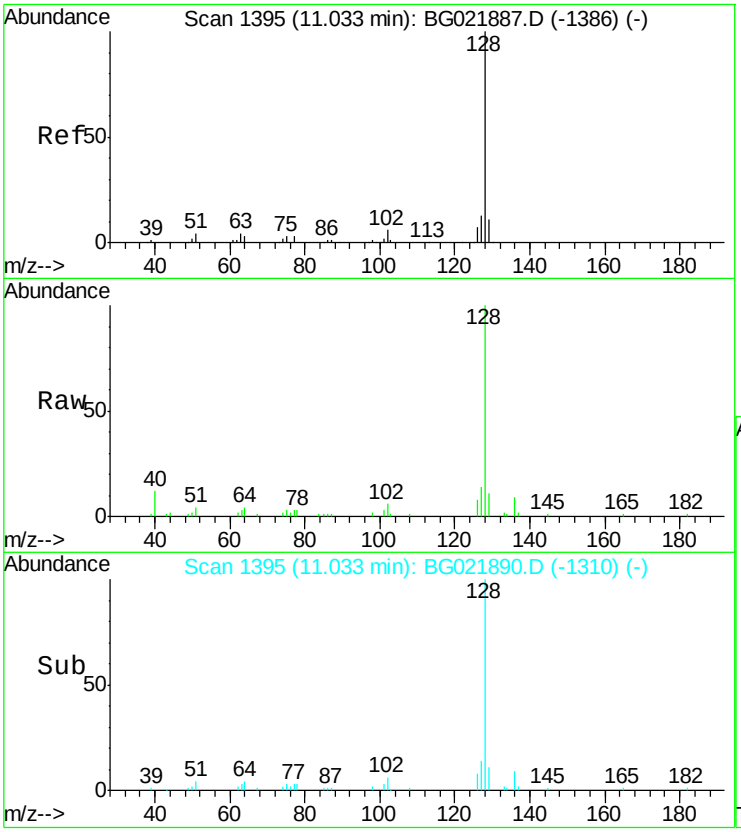


#15
N-Nitroso-di-n-propylamine
Concen: 23.42 ng/ul
RT: 8.97 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion: 70 Resp: 51446

Ion	Ratio	Lower	Upper
70	100		
42	32.5	43.4	65.0#
101	11.8	6.5	9.7#
130	28.6	13.8	20.6#



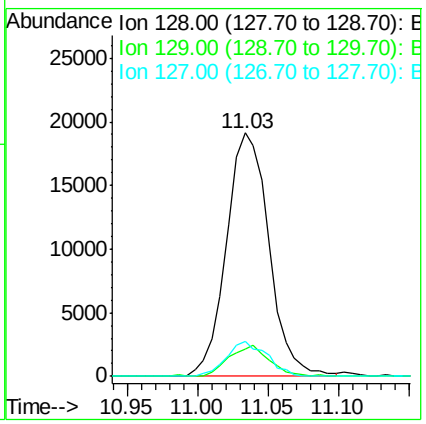


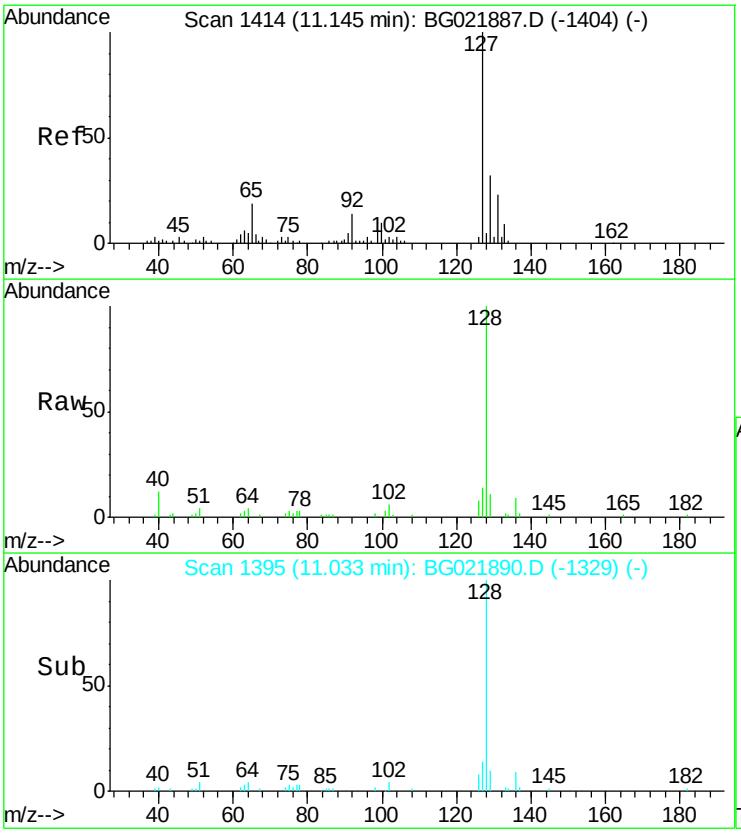
#28
Naphthalene
Concen: 3.20 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:128 Resp: 40266

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.3	12.5
127	14.3	10.8	16.2

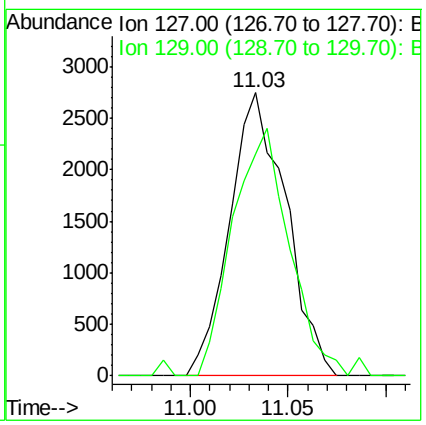


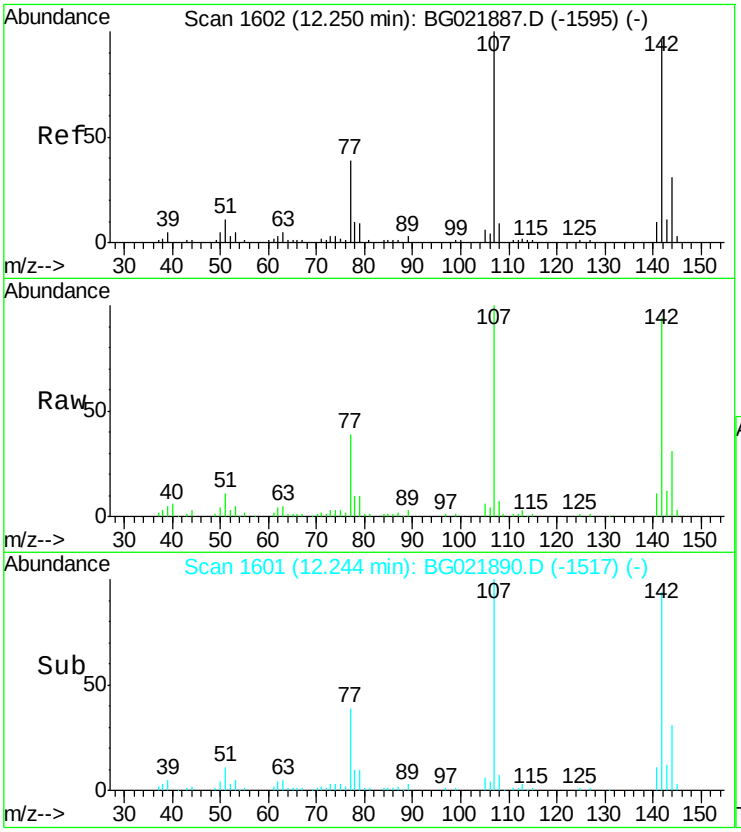


#30
4-Chloroaniline
Concen: 1.71 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. -0.11 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion:127 Resp: 5495

Ion	Ratio	Lower	Upper
127	100		
129	78.4	24.8	37.2#



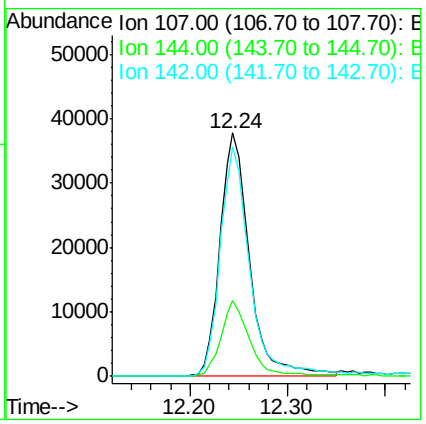


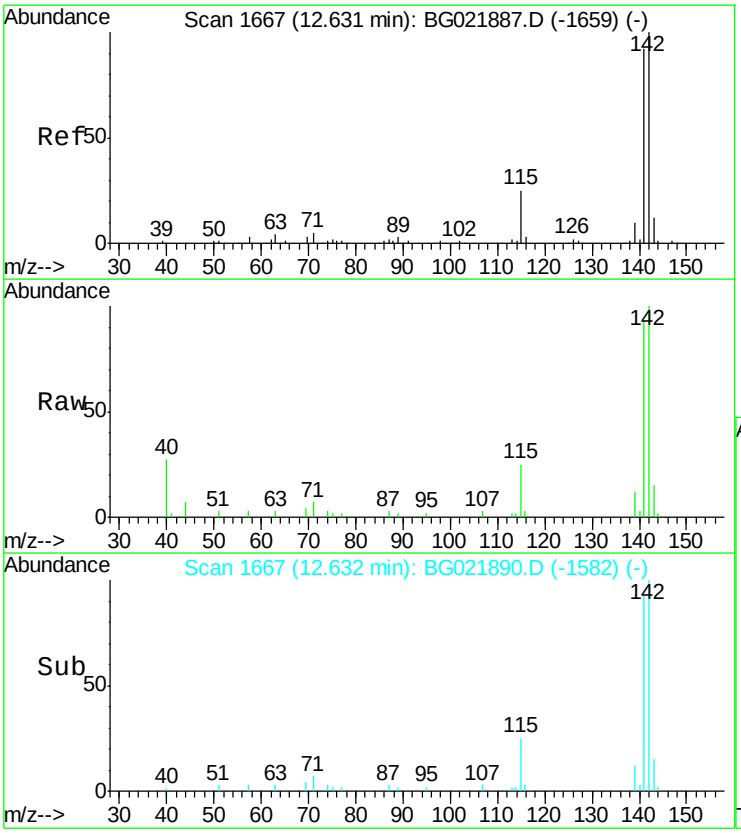
#33
4-Chloro-3-methylphenol
Concen: 26.25 ng/ul
RT: 12.24 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:107 Resp: 79730

Ion	Ratio	Lower	Upper
107	100		
144	31.3	17.2	25.8#
142	94.0	52.0	78.0#

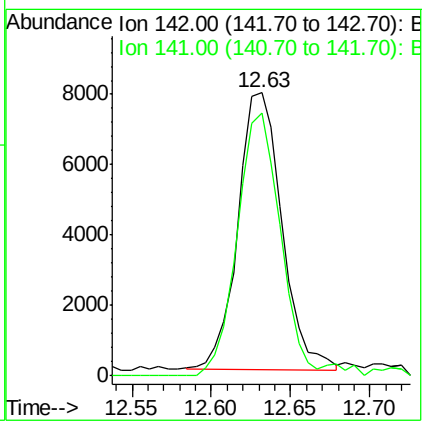


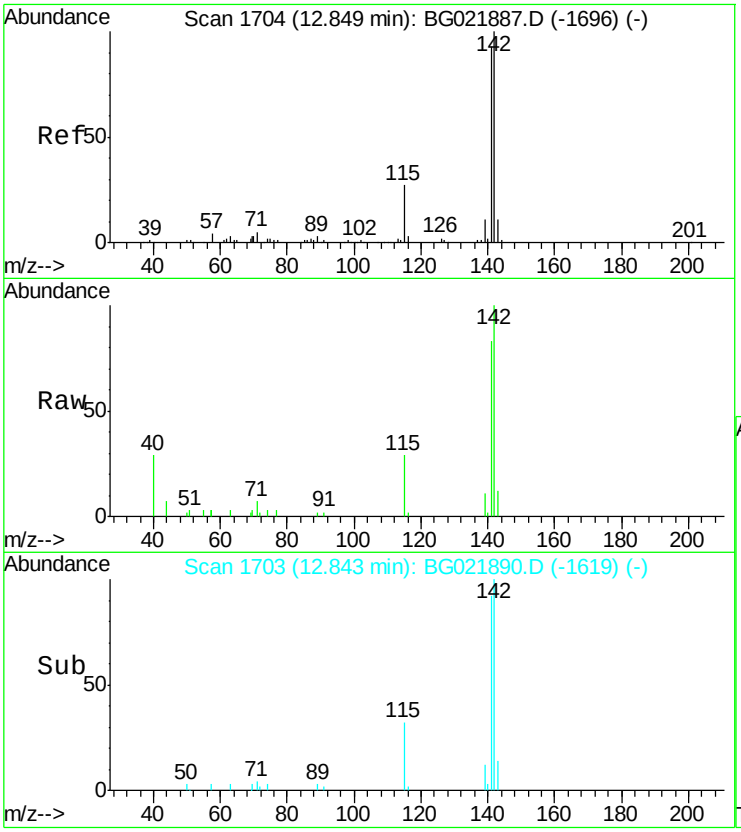


#34
2-Methylnaphthalene
Concen: 1.63 ng/ul
RT: 12.63 min Scan# 1667
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion:142 Resp: 15128

Ion	Ratio	Lower	Upper
142	100		
141	93.0	71.3	106.9



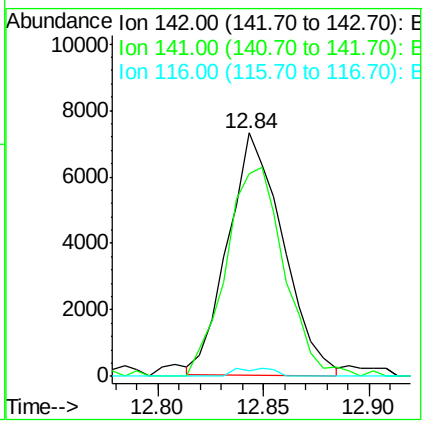


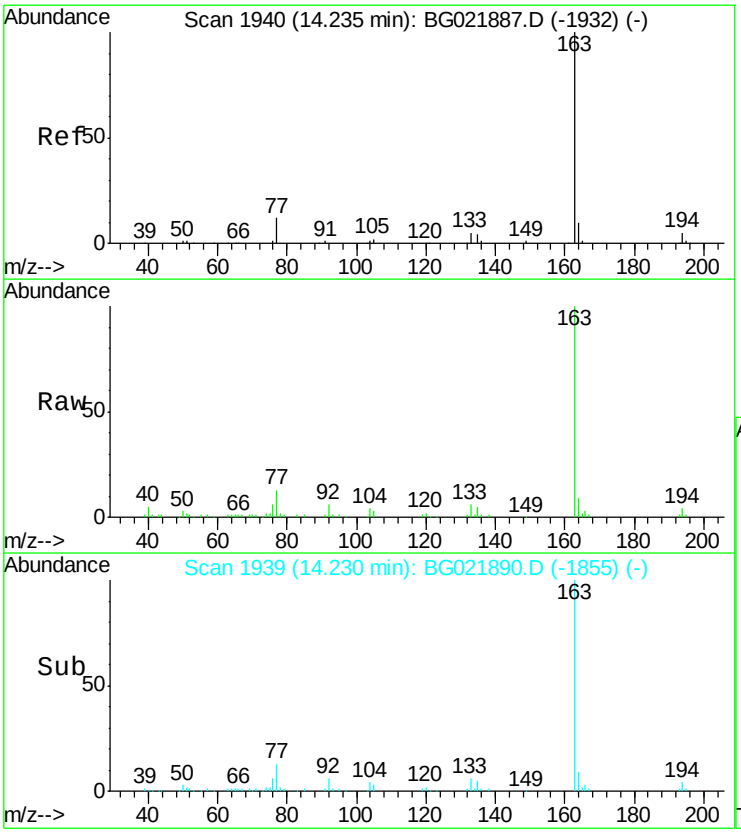
#35
1-Methylnaphthalene
Concen: 1.43 ng/ul
RT: 12.84 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:142 Resp: 13142

Ion	Ratio	Lower	Upper
142	100		
141	83.1	77.0	115.4
116	2.3	4.2	6.4#

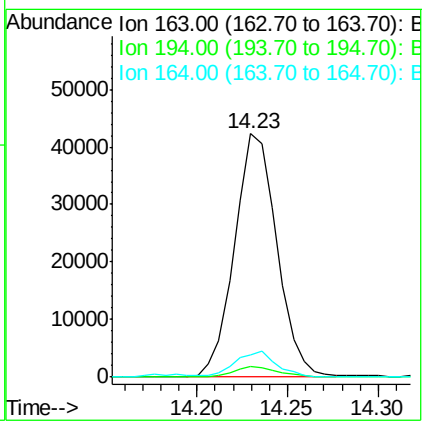


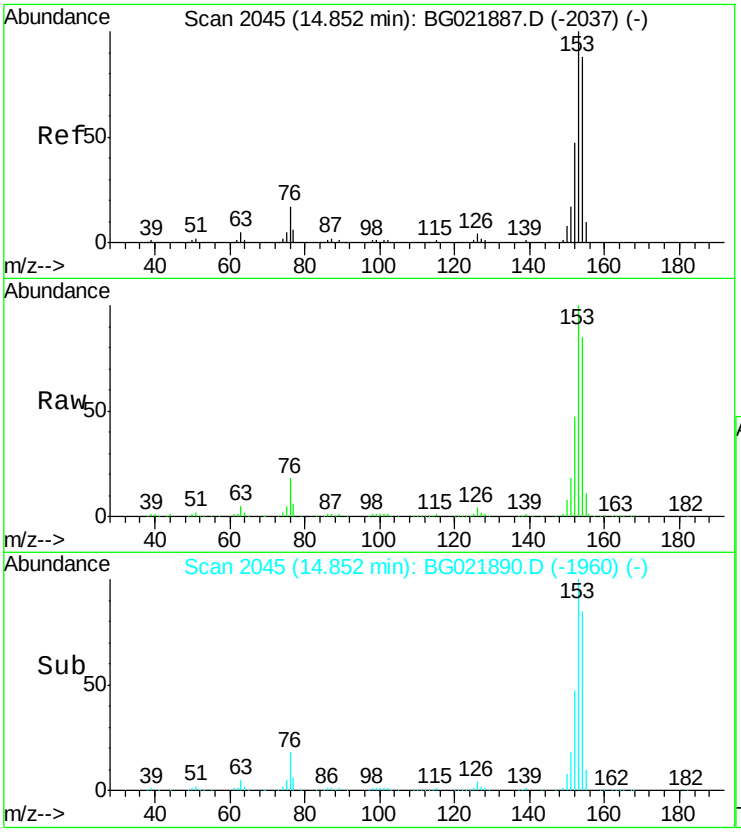


#45
Dimethylphthalate
Concen: 6.21 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion:163 Resp: 69008

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.9	5.9
164	9.3	8.7	13.1



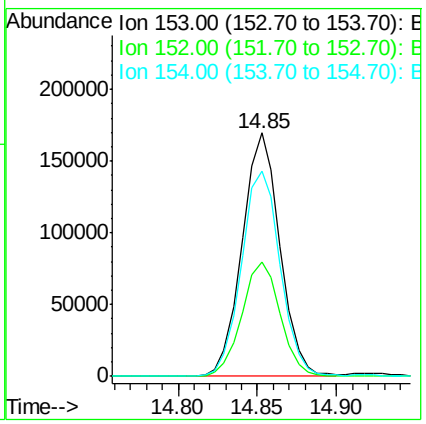


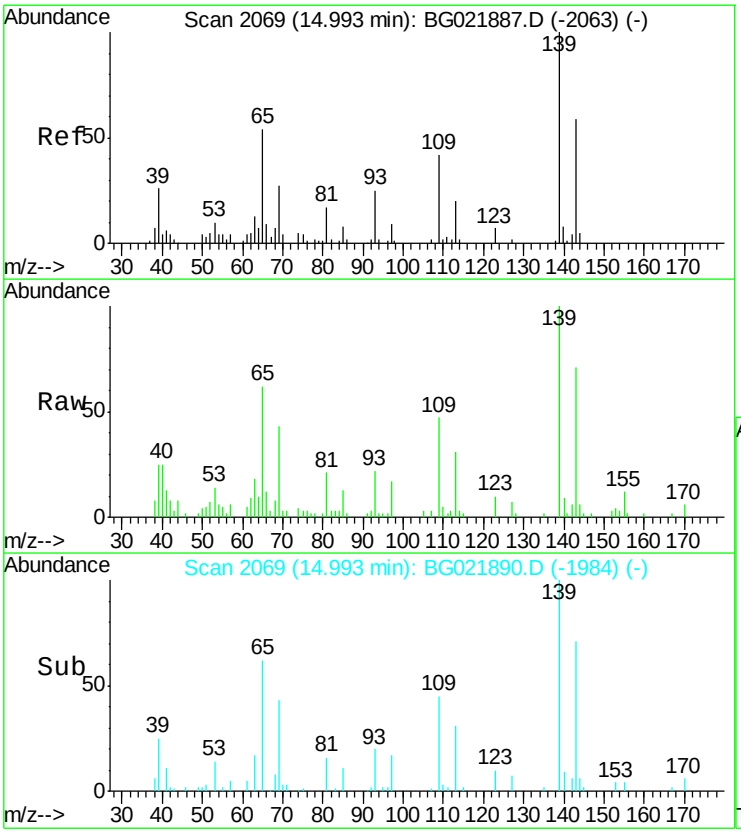
#50
Acenaphthene
Concen: 25.48 ng/ul
RT: 14.85 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:153 Resp: 280796

Ion	Ratio	Lower	Upper
153	100		
152	47.1	36.5	54.7
154	84.5	67.3	100.9

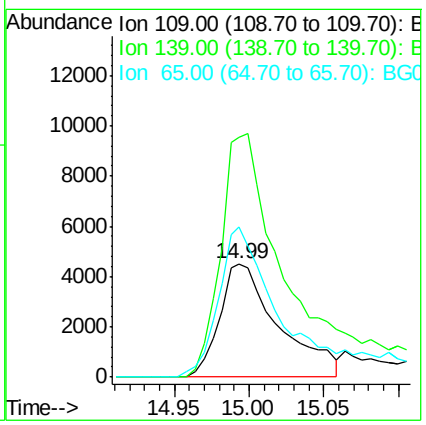


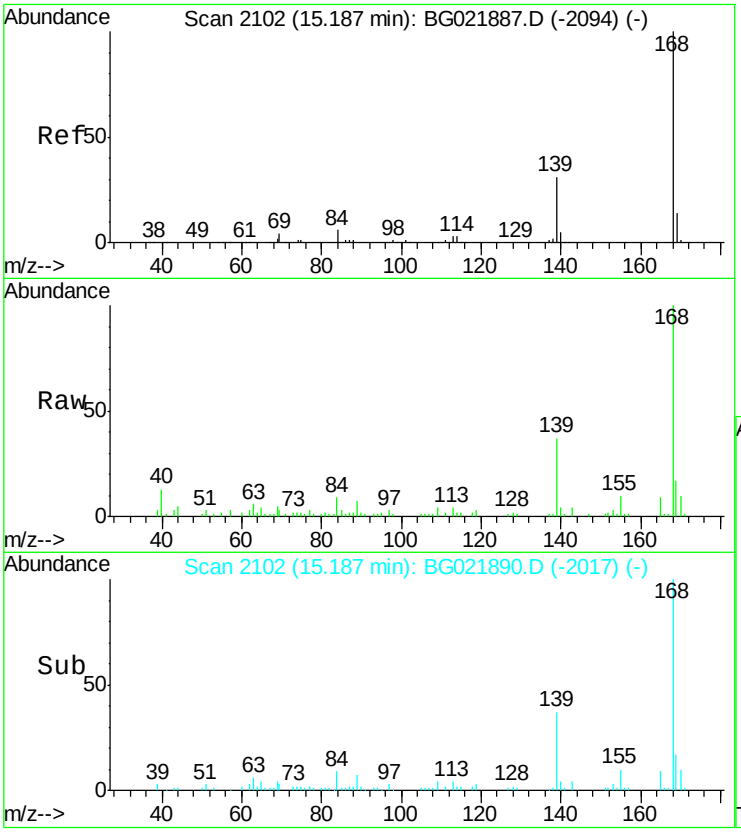


#53
4-Nitrophenol
Concen: 14.60 ng/ul
RT: 14.99 min Scan# 2069
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion:109 Resp: 12437

Ion	Ratio	Lower	Upper
109	100		
139	211.4	75.9	113.9#
65	131.6	99.8	149.8



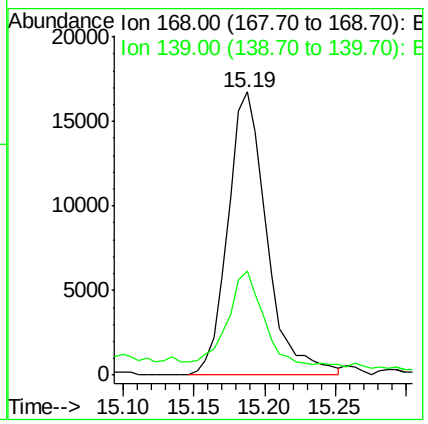


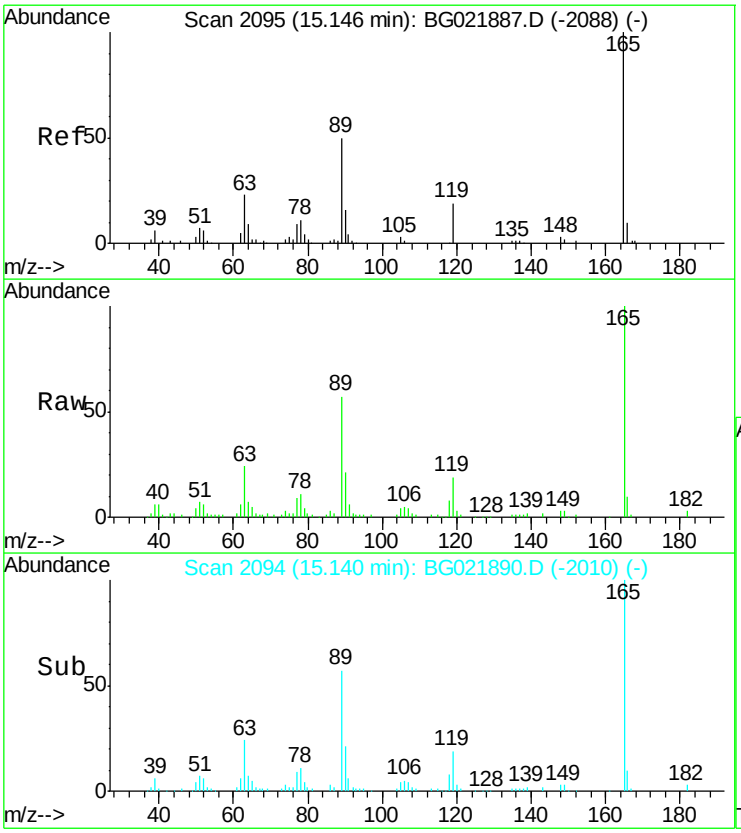
#54
Dibenzofuran
Concen: 2.18 ng/ul
RT: 15.19 min Scan# 2102
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:168 Resp: 32254

Ion	Ratio	Lower	Upper
168	100		
139	36.9	35.2	52.8

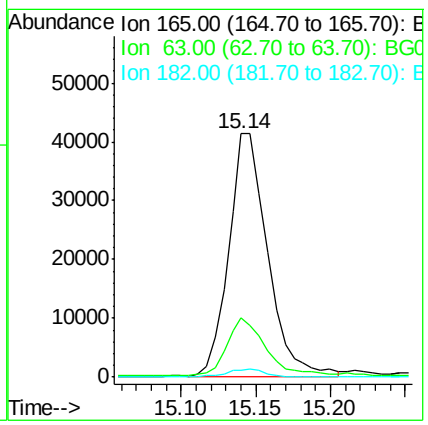


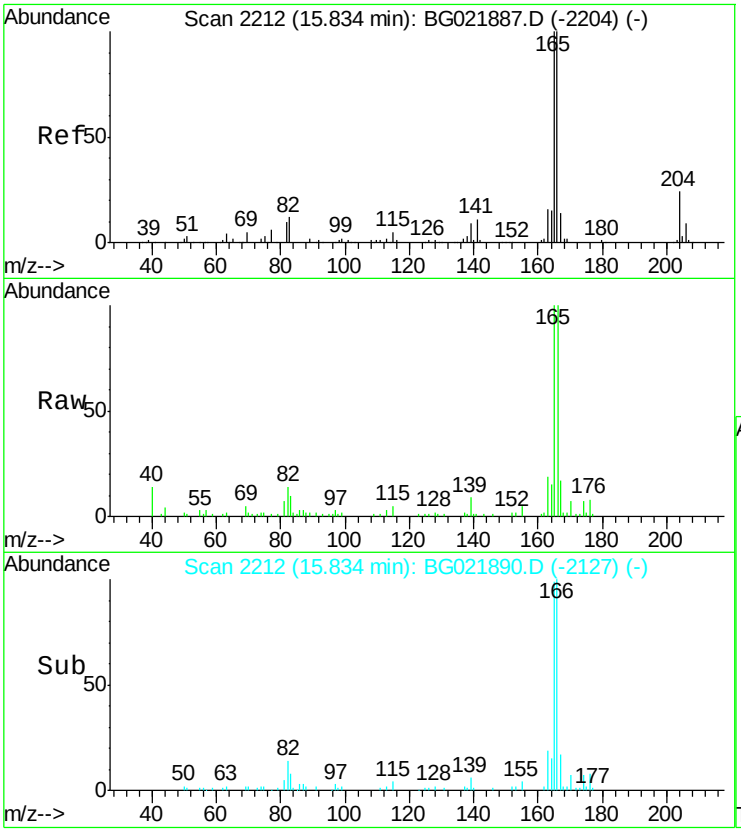


#55
2,4-Dinitrotoluene
Concen: 24.97 ng/ul
RT: 15.14 min Scan# 2094
Delta R.T. -0.01 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion:165 Resp: 75756

Ion	Ratio	Lower	Upper
165	100		
63	24.3	48.1	72.1#
182	2.6	2.2	3.2



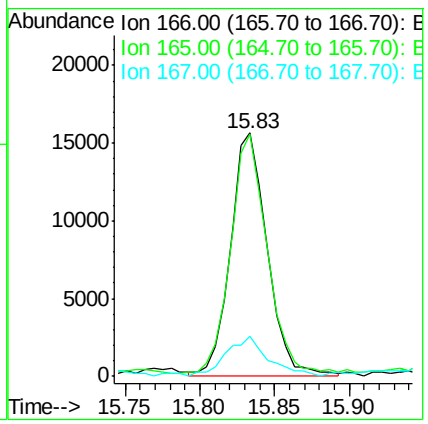


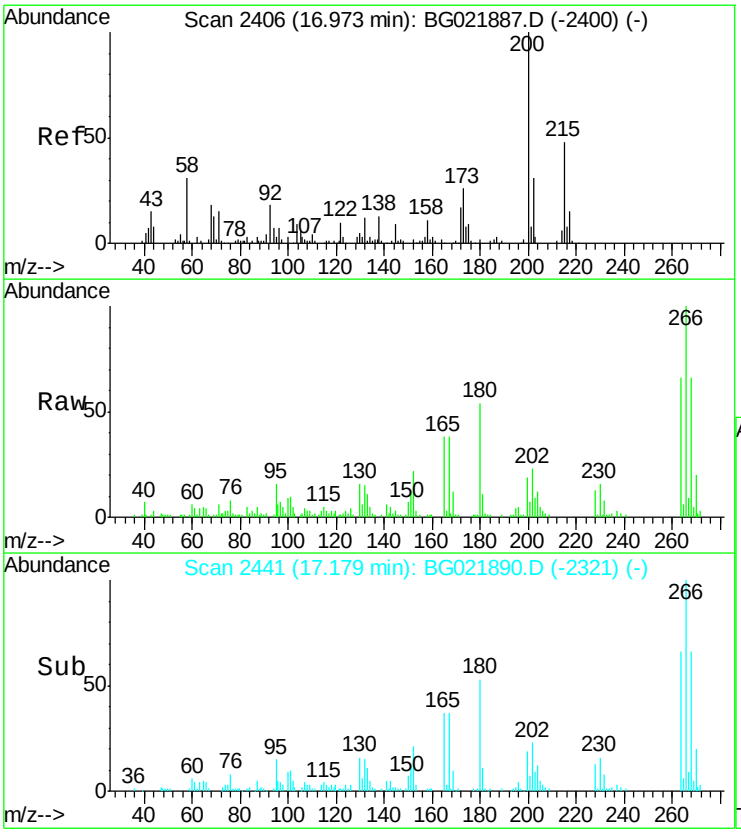
#59
Fluorene
Concen: 2.11 ng/ul
RT: 15.83 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:166 Resp: 26961

Ion	Ratio	Lower	Upper
166	100		
165	99.5	81.1	121.7
167	16.6	10.6	16.0#

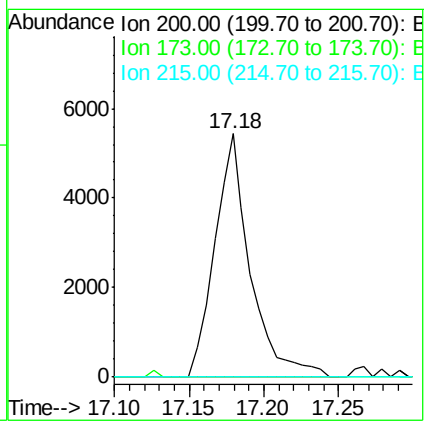


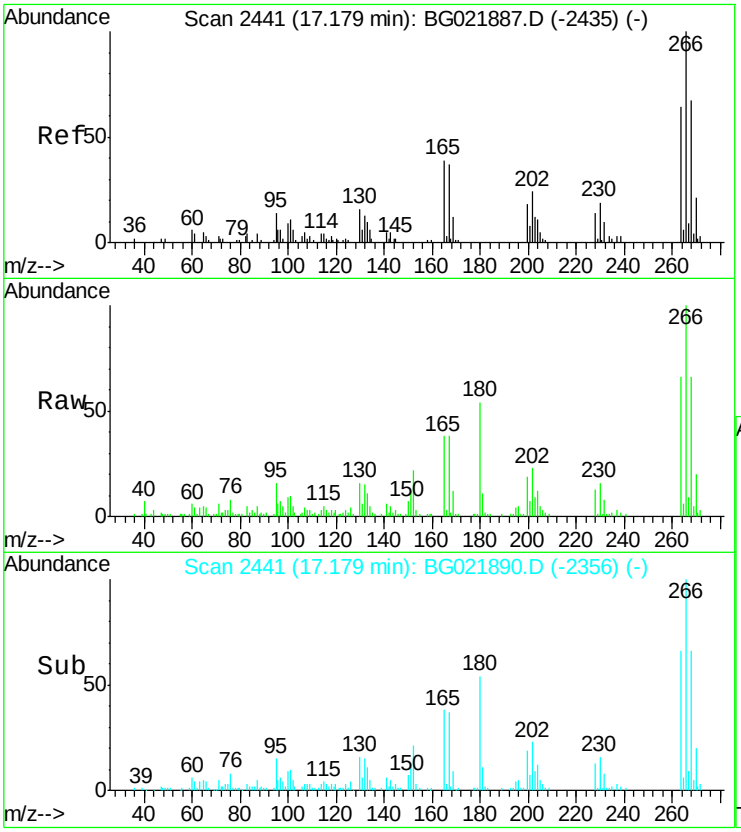


#68
Atrazine
Concen: 3.29 ng/ul
RT: 17.18 min Scan# 2441
Delta R.T. 0.21 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion:200 Resp: 9005

Ion	Ratio	Lower	Upper
200	100		
173	0.0	19.2	28.8#
215	0.0	40.2	60.2#



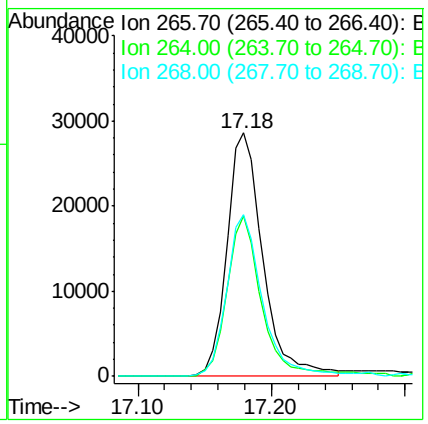


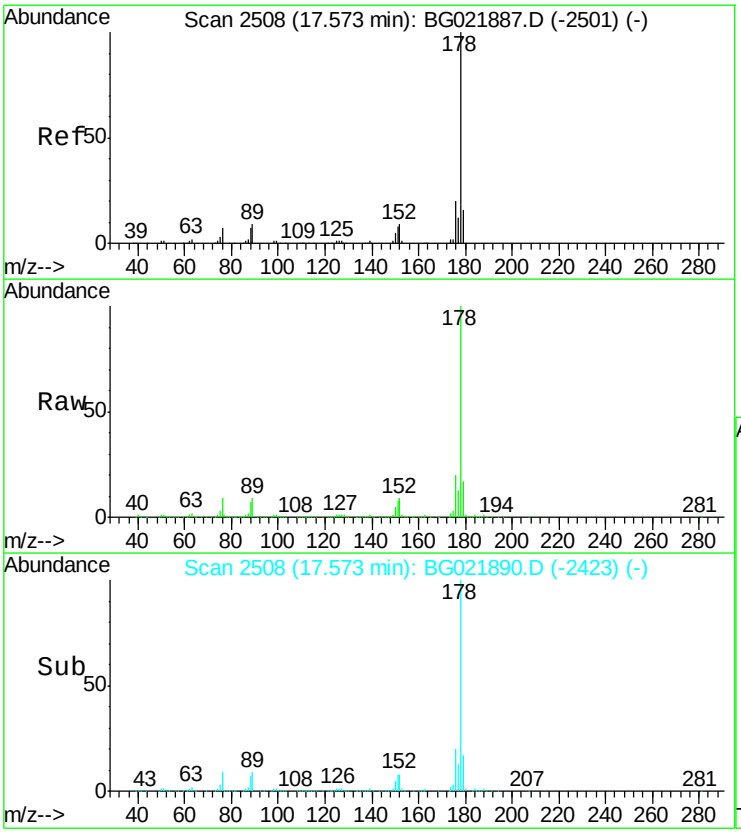
#69
Pentachlorophenol
Concen: 35.59 ng/ul
RT: 17.18 min Scan# 2441
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:266 Resp: 53563

Ion	Ratio	Lower	Upper
266	100		
264	71.5	56.7	85.1
268	71.0	50.6	76.0

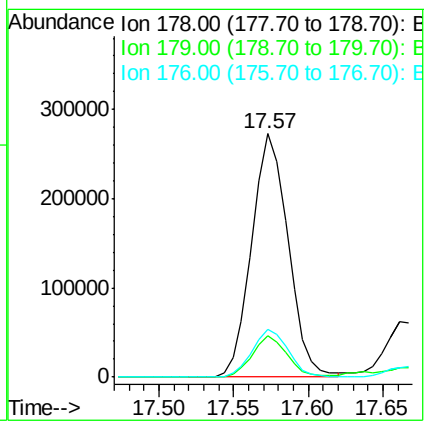


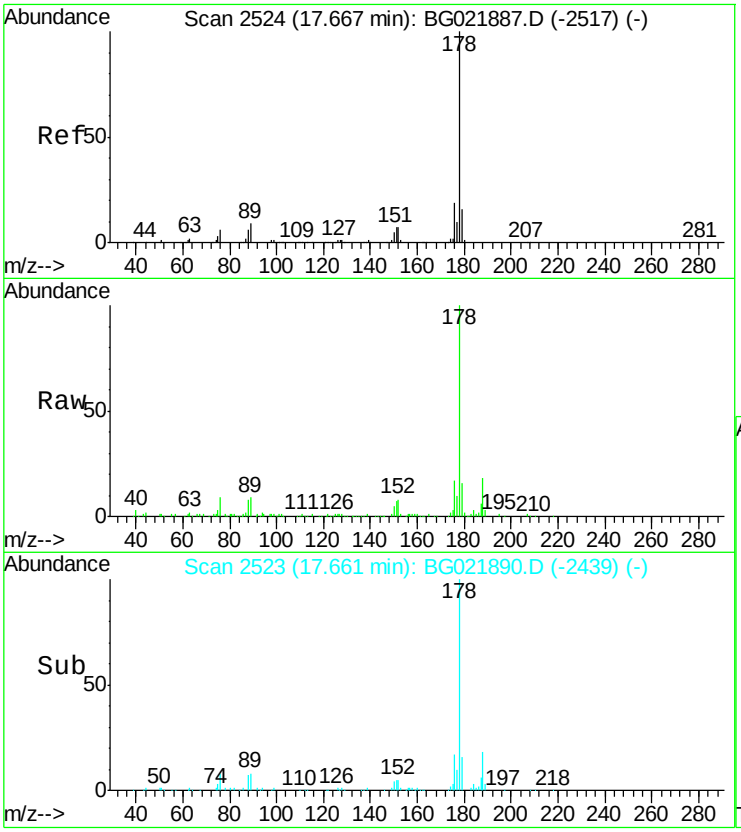


#70
Phenanthrene
Concen: 25.83 ng/ul
RT: 17.57 min Scan# 2508
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion:178 Resp: 461015

Ion	Ratio	Lower	Upper
178	100		
179	16.8	11.8	17.8
176	19.6	14.8	22.2



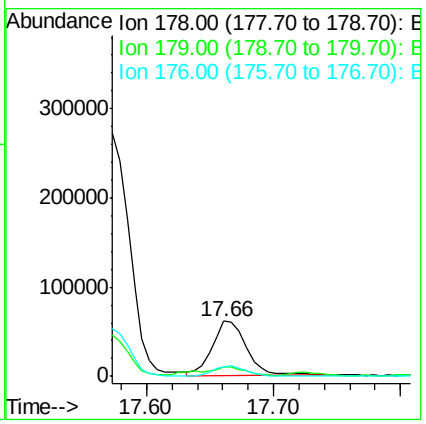


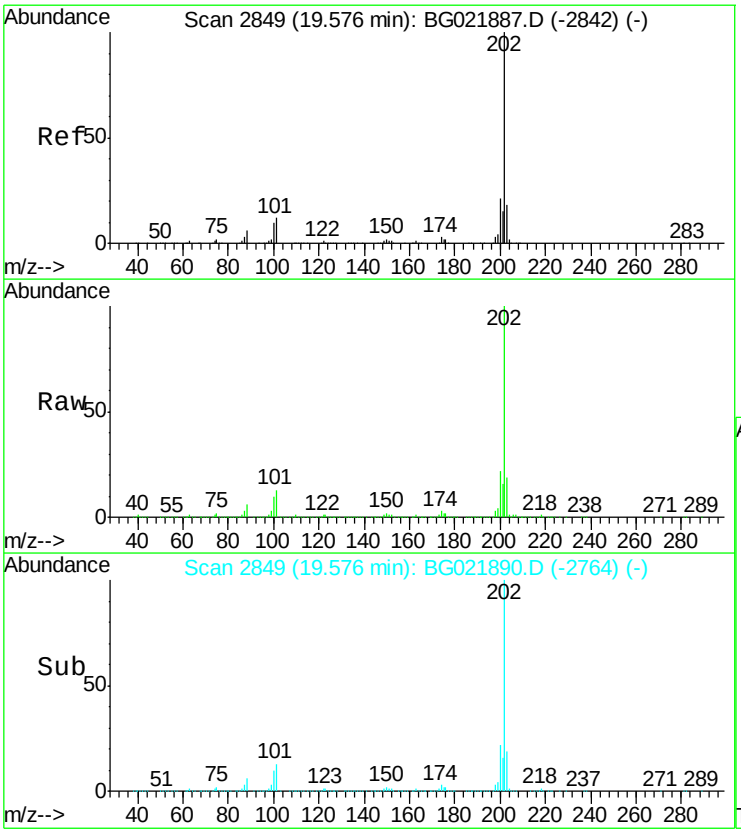
#72
Anthracene
Concen: 6.25 ng/ul
RT: 17.66 min Scan# 2523
Delta R.T. -0.01 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:178 Resp: 113336

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.9	19.3
176	17.0	15.6	23.4

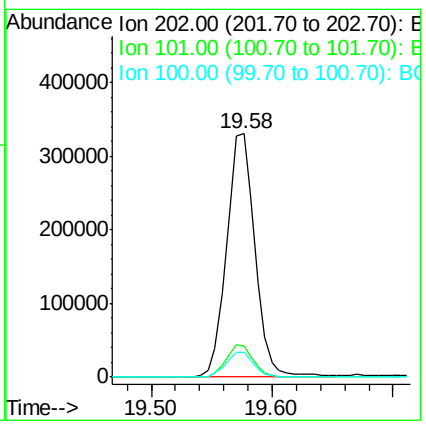


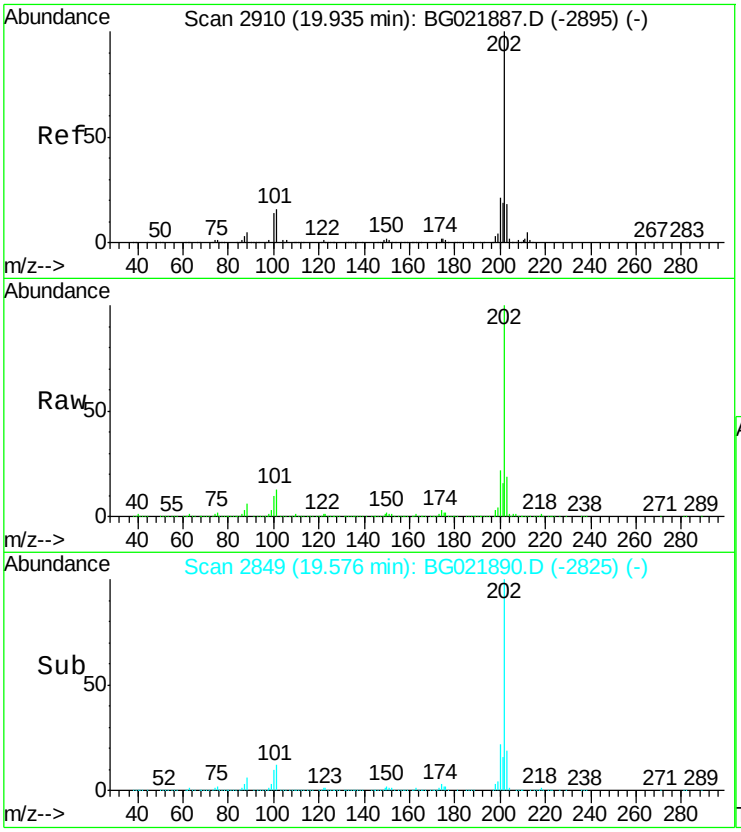


#75
Fluoranthene
Concen: 26.53 ng/ul
RT: 19.58 min Scan# 2849
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion:202 Resp: 538021

Ion	Ratio	Lower	Upper
202	100		
101	12.6	8.9	13.3
100	10.0	7.0	10.4



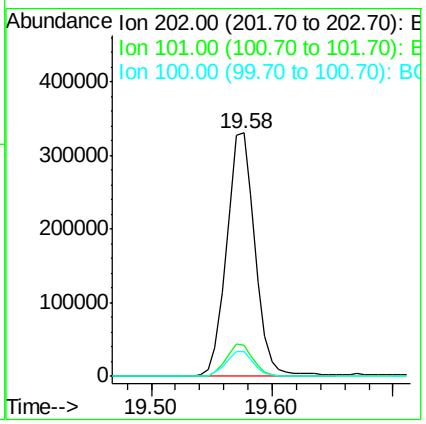


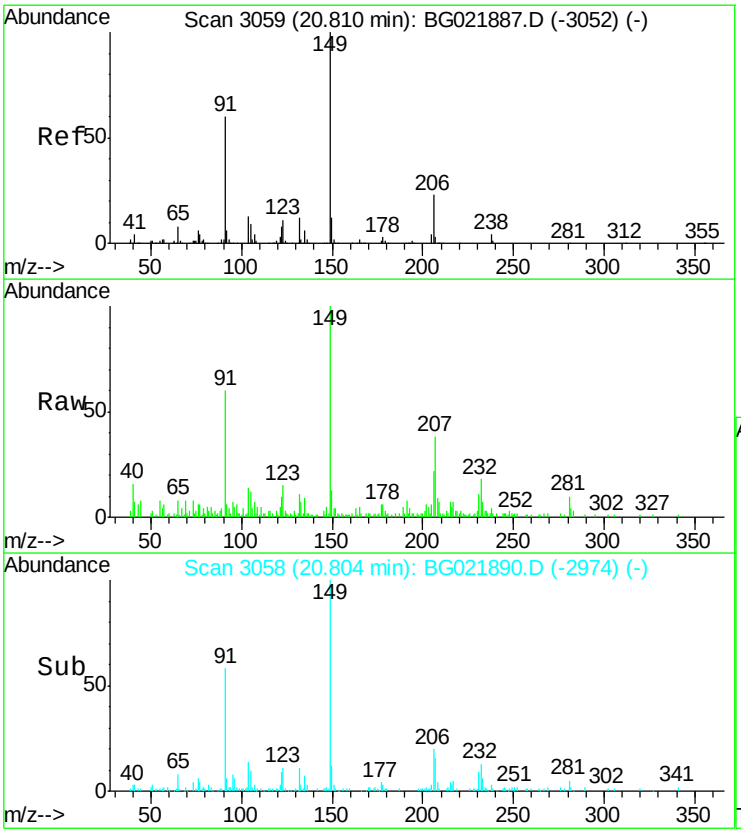
#78
Pyrene
Concen: 28.88 ng/ul
RT: 19.58 min Scan# 2849
Delta R.T. -0.36 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:202 Resp: 538203

Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.8	14.8
100	10.0	9.3	13.9

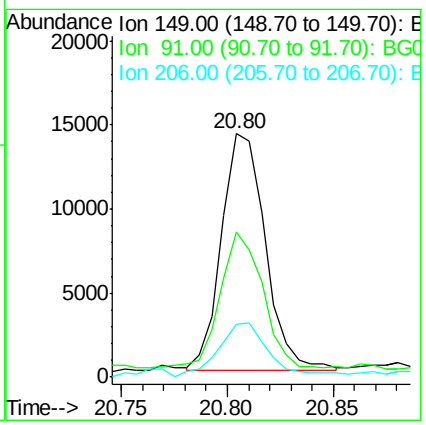


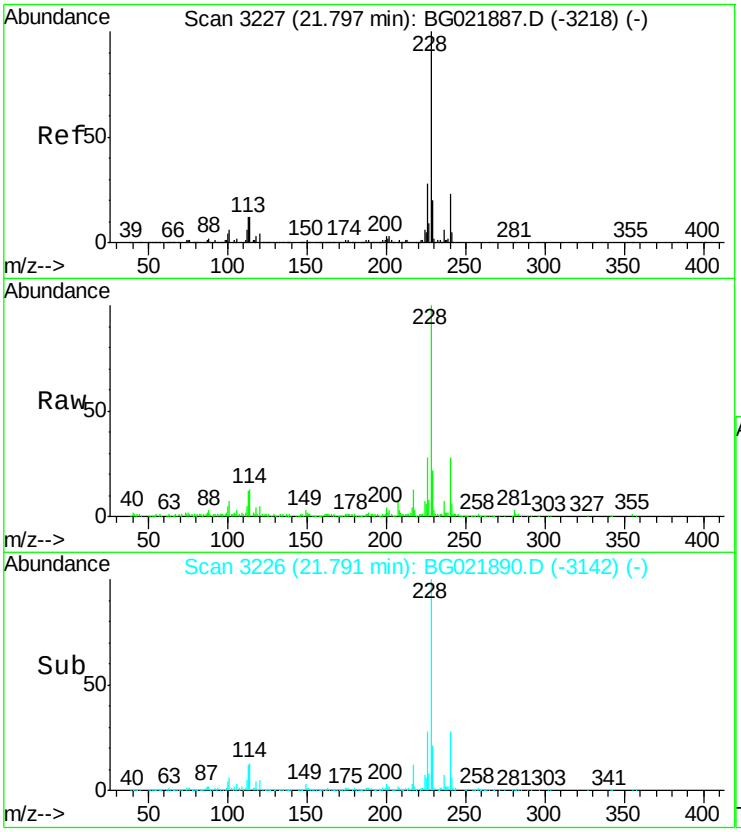


#79
Butylbenzylphthalate
Concen: 4.92 ng/ul
RT: 20.80 min Scan# 3058
Delta R.T. -0.01 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion:149 Resp: 20252

Ion	Ratio	Lower	Upper
149	100		
91	59.8	65.8	98.8#
206	21.8	15.5	23.3



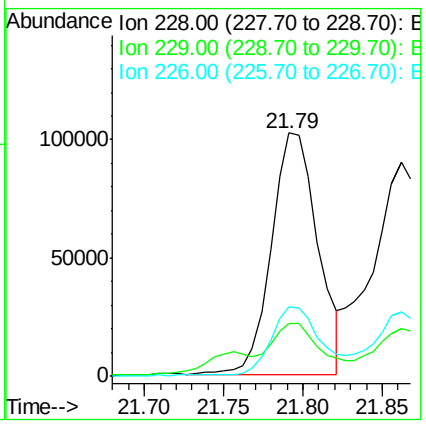


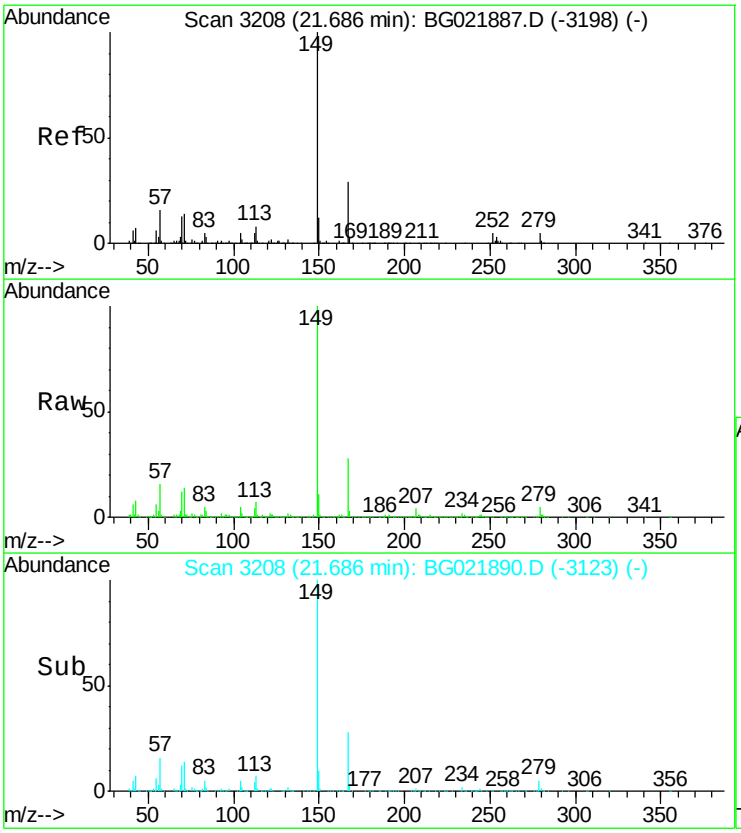
#81
Benzo(a)anthracene
Concen: 11.53 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. -0.01 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:228 Resp: 206674

Ion	Ratio	Lower	Upper
228	100		
229	21.8	16.6	25.0
226	28.4	21.0	31.4

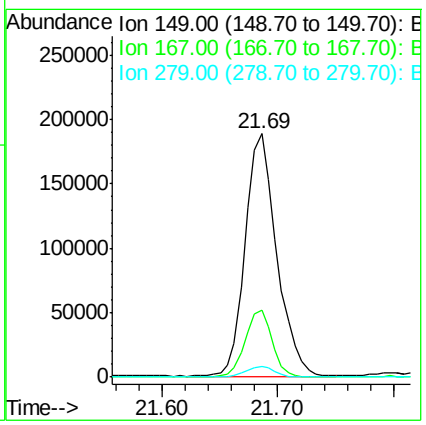


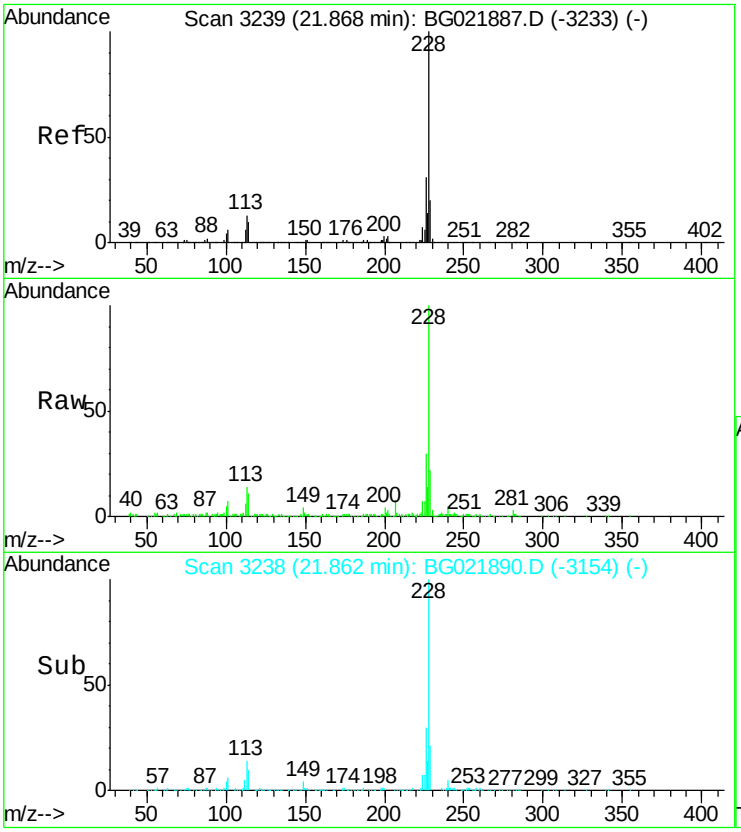


#82
Bis(2-ethylhexyl)phthalate
Concen: 53.01 ng/ul
RT: 21.69 min Scan# 3208
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion:149 Resp: 356478

Ion	Ratio	Lower	Upper
149	100		
167	27.6	20.5	30.7
279	4.6	3.7	5.5



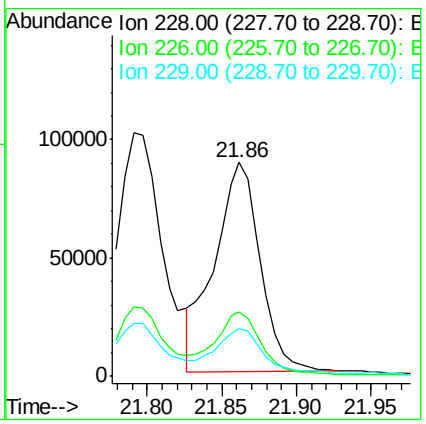


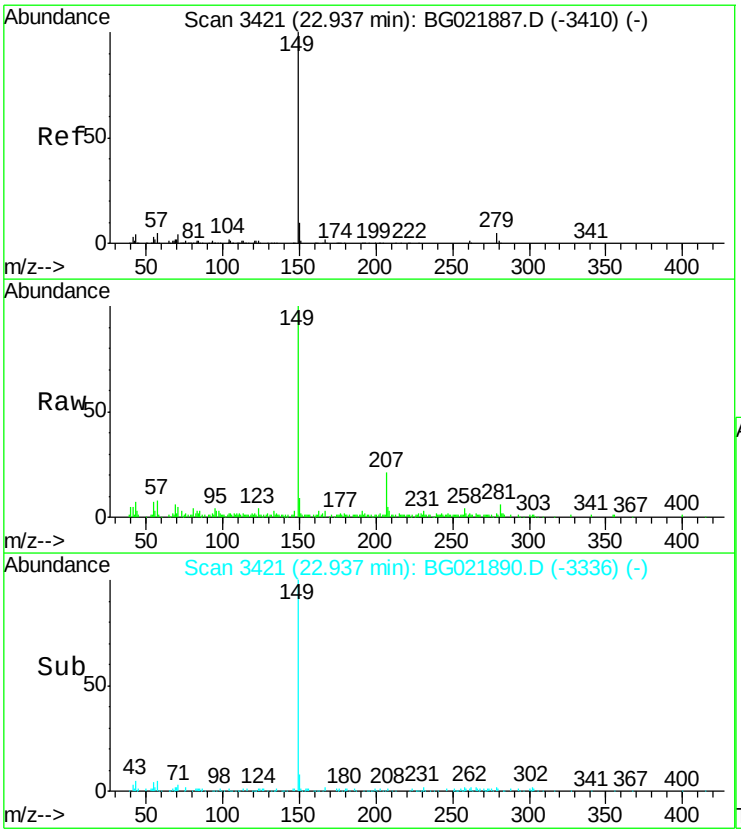
#83
Chrysene
Concen: 10.74 ng/ul
RT: 21.86 min Scan# 3238
Delta R.T. -0.01 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:228 Resp: 190417

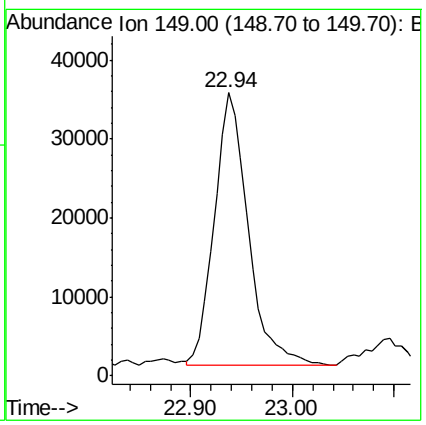
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	22.4	16.2	24.2

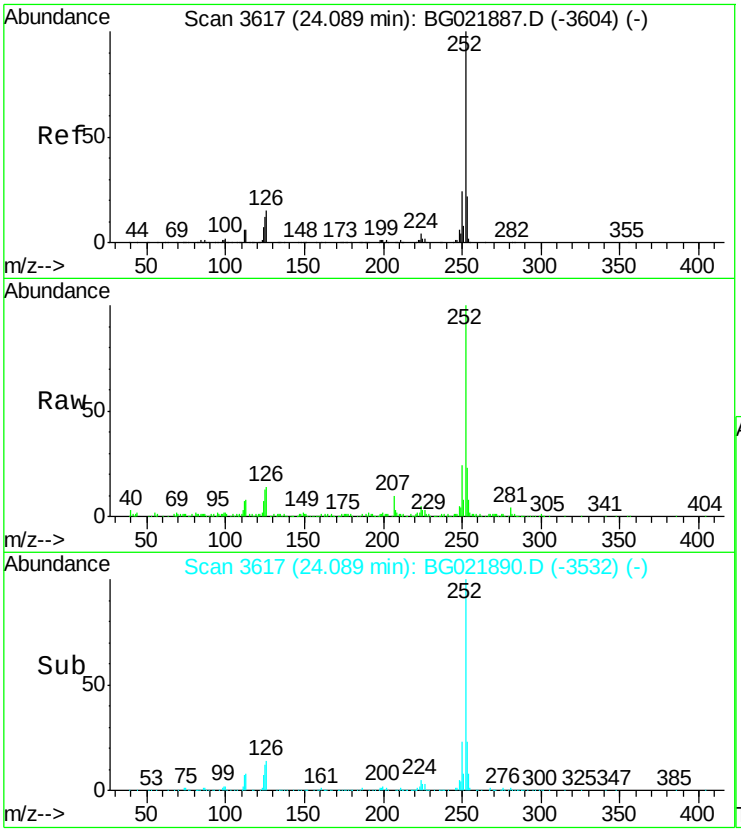




#85
Di-n-octyl phthalate
Concen: 6.03 ng/ul
RT: 22.94 min Scan# 3421
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion:149 Resp: 79968



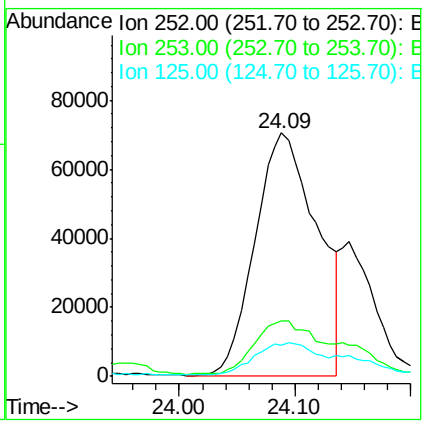


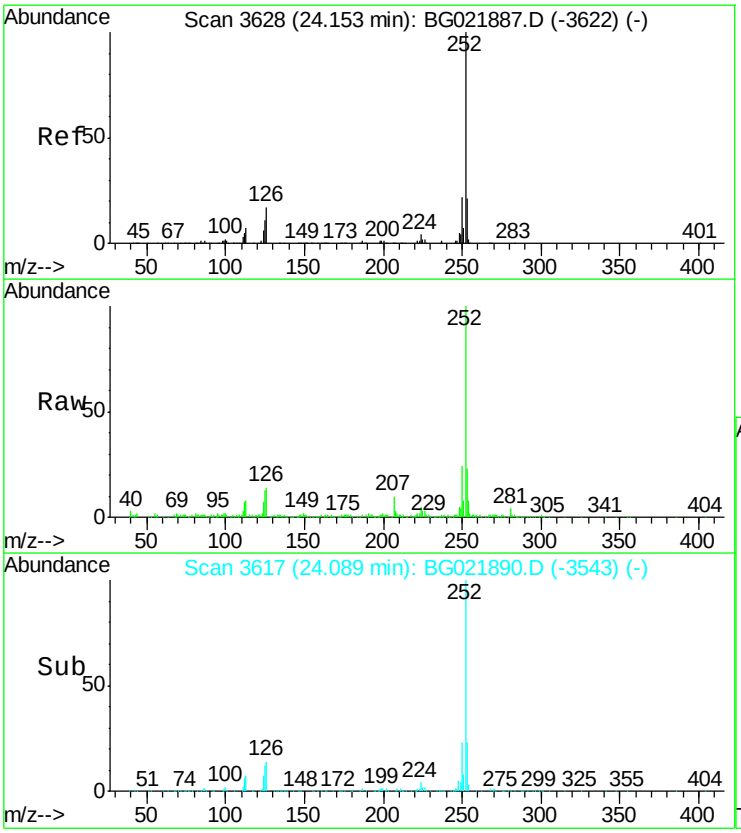
#86
Benzo(b)fluoranthene
Concen: 14.26 ng/ul
RT: 24.09 min Scan# 3617
Delta R.T. 0.00 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:252 Resp: 262733

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	12.7	7.6	11.4#

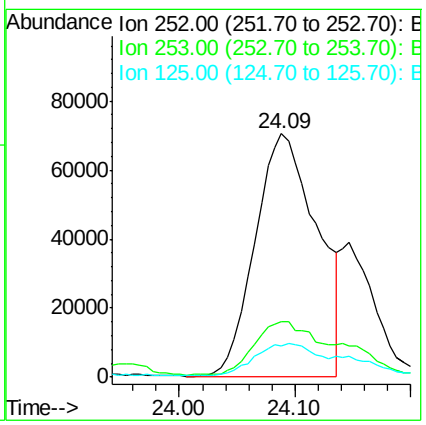


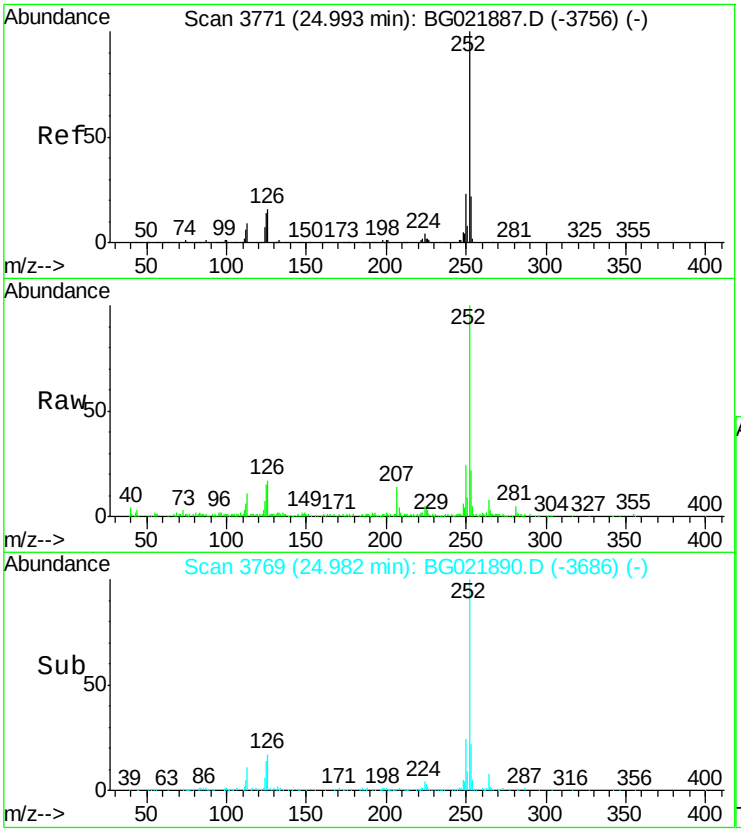


#87
Benzo(k)fluoranthene
Concen: 13.32 ng/ul
RT: 24.09 min Scan# 3617
Delta R.T. -0.06 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion:252 Resp: 262733

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	12.7	7.7	11.5#



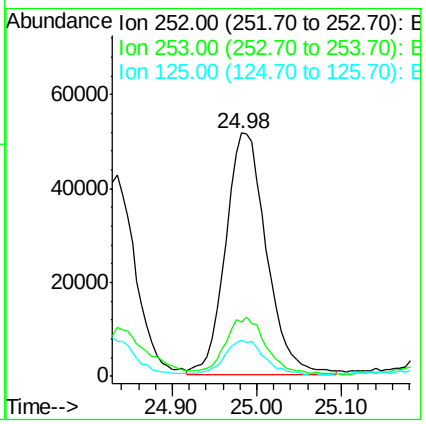


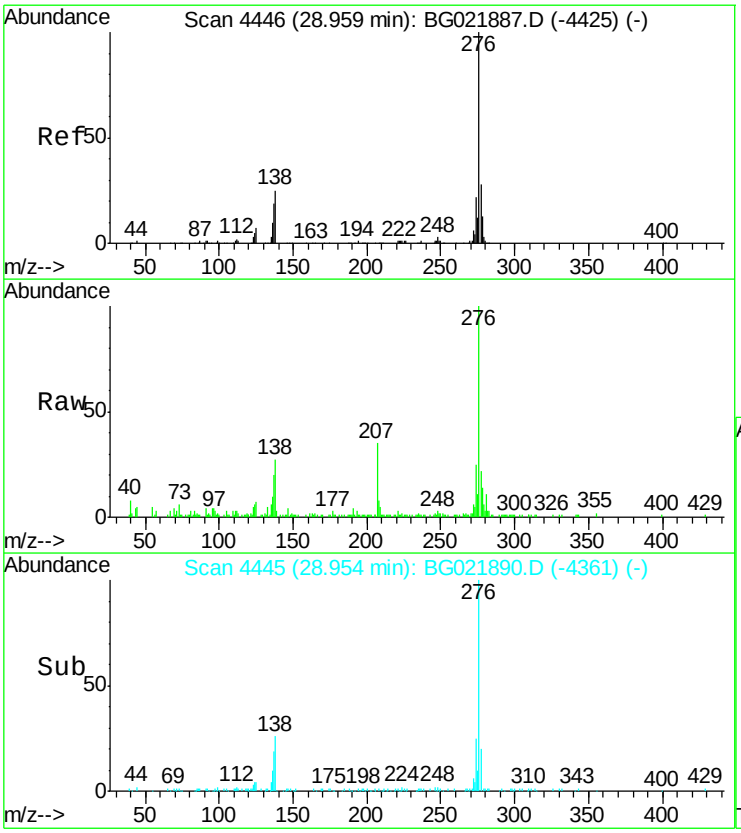
#89
Benzo(a)pyrene
Concen: 9.36 ng/ul
RT: 24.98 min Scan# 3769
Delta R.T. -0.01 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:252 Resp: 171640

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	14.7	8.2	12.2#

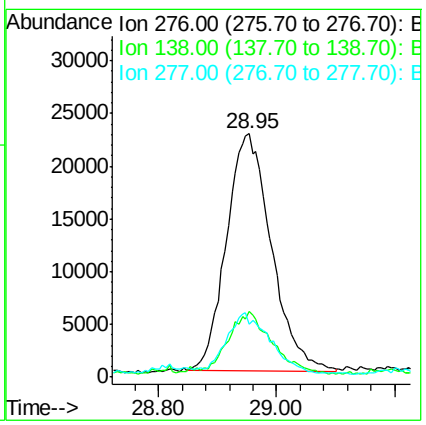


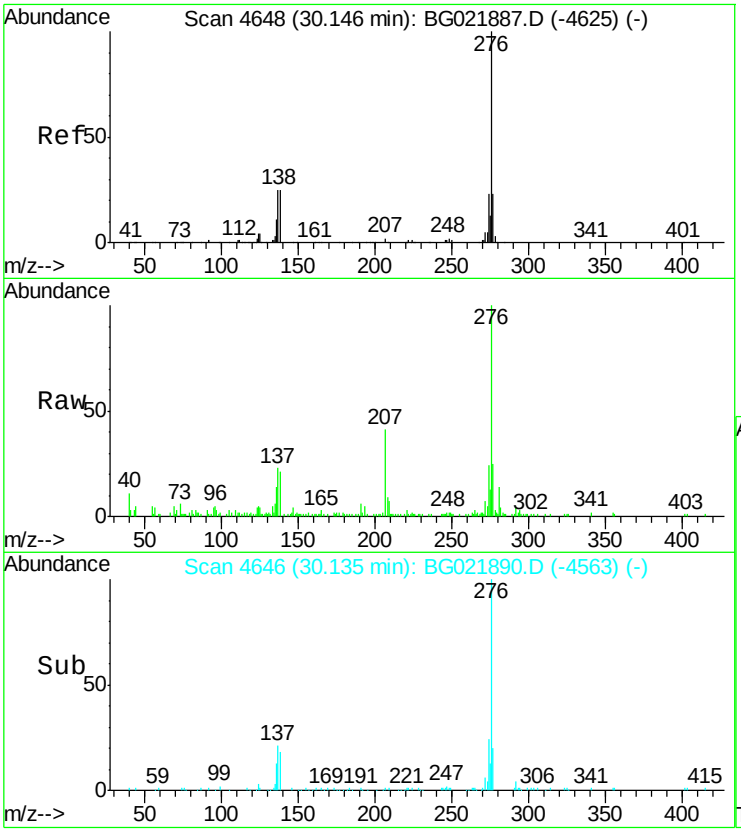


#90
Indeno(1,2,3-cd)pyrene
Concen: 5.50 ng/ul
RT: 28.95 min Scan# 4445
Delta R.T. -0.01 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Tgt Ion:276 Resp: 119497

Ion	Ratio	Lower	Upper
276	100		
138	27.0	15.8	23.6#
277	21.6	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 5.85 ng/ul
RT: 30.13 min Scan# 4646
Delta R.T. -0.01 min
Lab File: BG021890.D
Acq: 15 May 2016 12:54

Instrument :
BNA_G
ClientSampleId :
D9XF7MS

Tgt Ion:276 Resp: 104962

Ion	Ratio	Lower	Upper
276	100		
138	21.1	13.9	20.9#
277	24.6	19.8	29.6