Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020542.D
Acq On : 26 Dec 2015 16:09
Operator : UM/SJ
Sample : G4802-21
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D96

Quant Time: Dec 28 01:26:58 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 01:15:44 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	18101	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	78610	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	55350	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	135696	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	168244	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	159678	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.45	96	1102	3.36	ng/uL	0.00
5) Phenol-d5	7.23	99	25567	17.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	15931	18.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	21548	19.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	22431	18.35	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	11699	18.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	13085	18.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	24457	18.04	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	24529	15.83	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	86935	19.06	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	102963	19.48	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	8944	11.76	ng/ul	0.00
58) Fluorene-d10	15.71	176	81069	19.65	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	7224	8.03	ng/ul	0.01
71) Anthracene-d10	17.56	188	128032	20.14	ng/ul	0.00
79) Pyrene-d10	19.84	212	149821	20.57	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	170132	21.08	ng/ul	0.02
Target Compounds						Qvalue
17) Hexachloroethane	9.18	117	712	1.45	ng/ul#	1
28) Naphthalene	10.94	128	59684	14.28	ng/ul	99
30) 4-Chloroaniline	10.94	127	7711	4.94	ng/ul#	6
35) 1-Methylnaphthalene	12.76	142	199127	67.79	ng/ul#	95
41) 1,1'-Biphenyl	13.54	154	51200	11.99	ng/ul#	95
45) Dimethylphthalate	14.15	163	26086	5.62	ng/ul	97
48) Acenaphthylene	14.44	152	39218	7.06	ng/ul#	94
50) Acenaphthene	14.78	153	112862	30.05	ng/ul	99
54) Dibenzofuran	15.11	168	18295	3.27	ng/ul	97
59) Fluorene	15.76	166	119129	26.31	ng/ul	100
61) 4-Nitroaniline	15.76	138	1519	1.55	ng/ul#	10
70) Phenanthrene	17.50	178	631322	83.62	ng/ul	99
72) Anthracene	17.59	178	146283	18.95	ng/ul	99
75) Carbazole	17.86	167	7301	1.12	ng/ul#	89
77) Fluoranthene	19.51	202	219454	23.11	ng/ul	98
80) Pyrene	19.87	202	327098	34.38	ng/ul	98
83) Benzo(a)anthracene	21.78	228	112364	11.37	ng/ul	93
85) Chrysene	21.78	228	110674	11.76	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	87184	9.10	ng/ul	99
89) Benzo(k)fluoranthene	23.97	252	87184	9.41	ng/ul	98
91) Benzo(a)pyrene	24.85	252	105942	11.50	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	28.73	276	43504	3.94	ng/ul	94
94) Benzo(g,h,i)perylene	29.90	276	43839	4.84	ng/ul	98

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020542.D
Acq On : 26 Dec 2015 16:09
Operator : UM/SJ
Sample : G4802-21
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
G9D96

Quant Time: Dec 28 01:26:58 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 01:15:44 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020542.D
Acq On : 26 Dec 2015 16:09
Operator : UM/SJ
Sample : G4802-21
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
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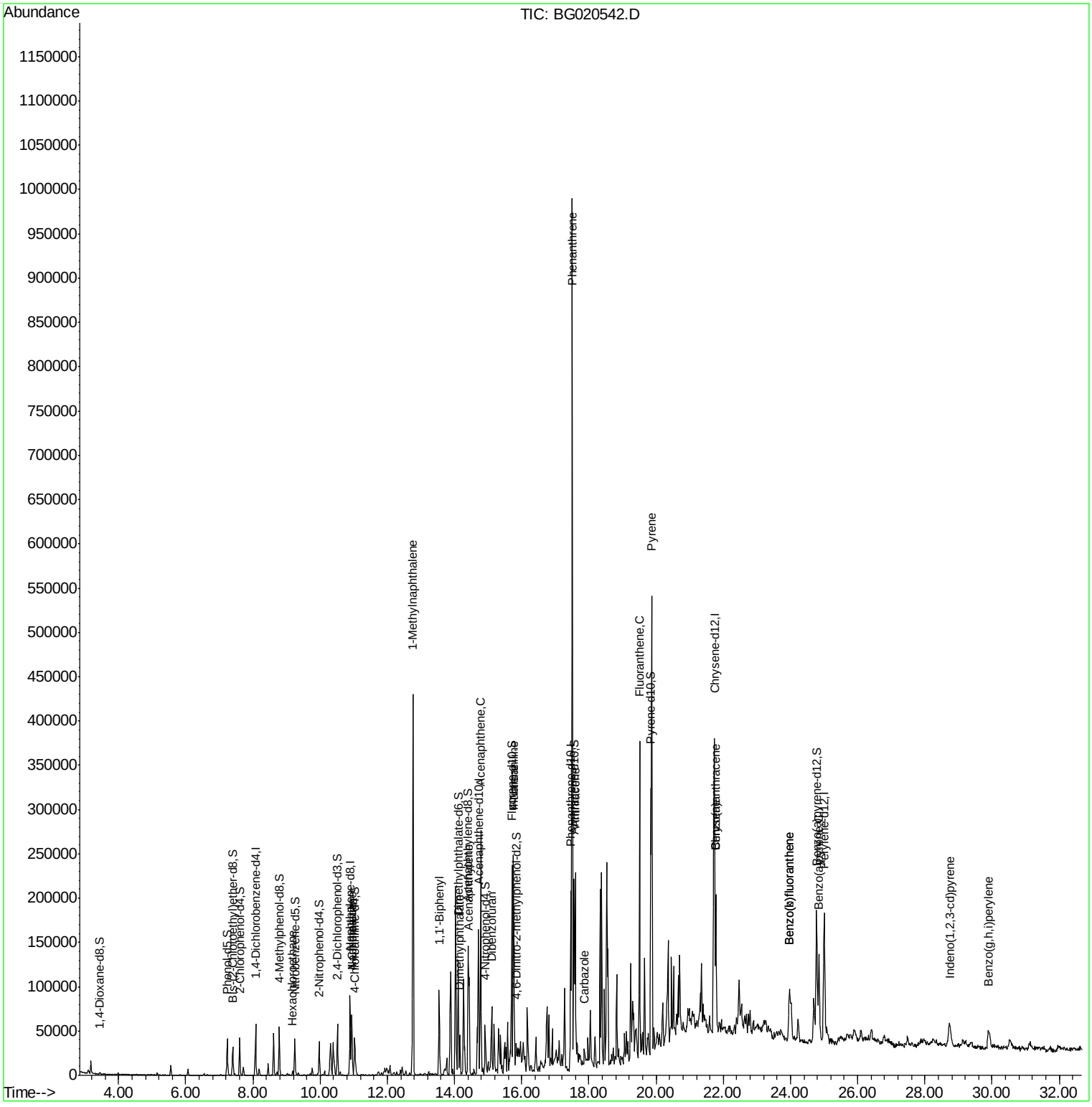
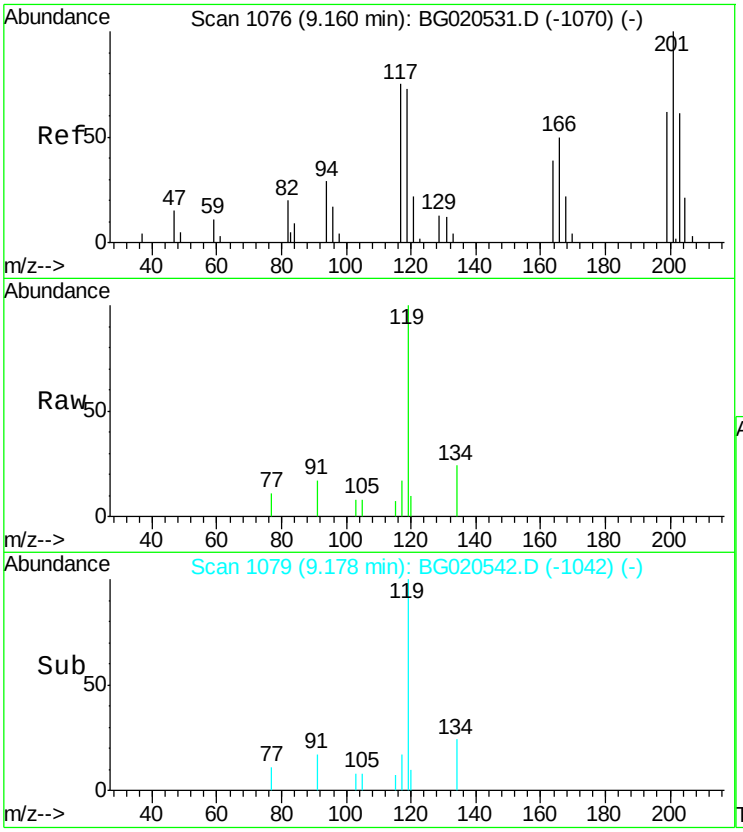
Quant Time: Dec 28 01:26:58 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 01:15:44 2015
Response via : Initial Calibration



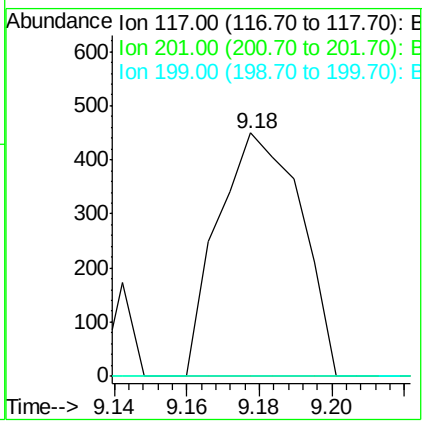


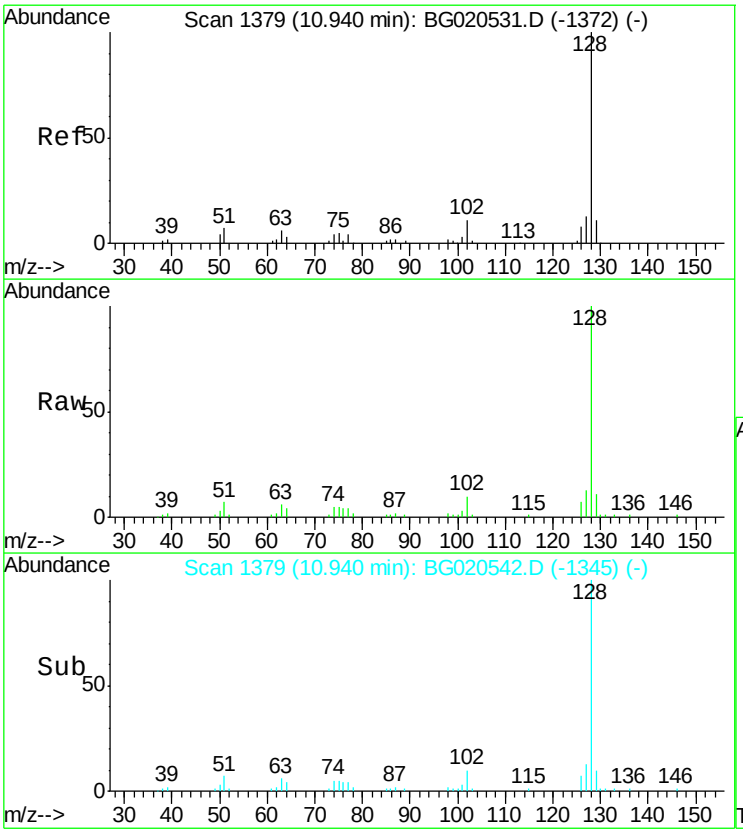
#17
Hexachloroethane
Concen: 1.45 ng/ul
RT: 9.18 min Scan# 1079
Delta R.T. 0.02 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Instrument :
BNA_G
ClientSampleId :
G9D96

Tgt Ion:117 Resp: 712

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

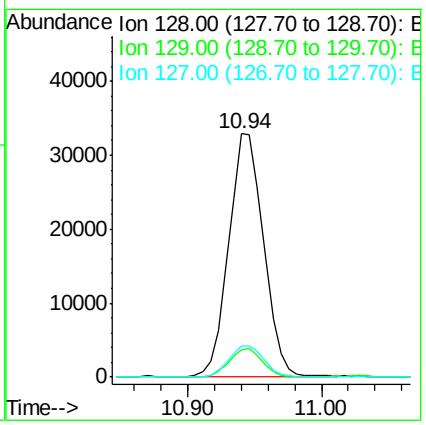


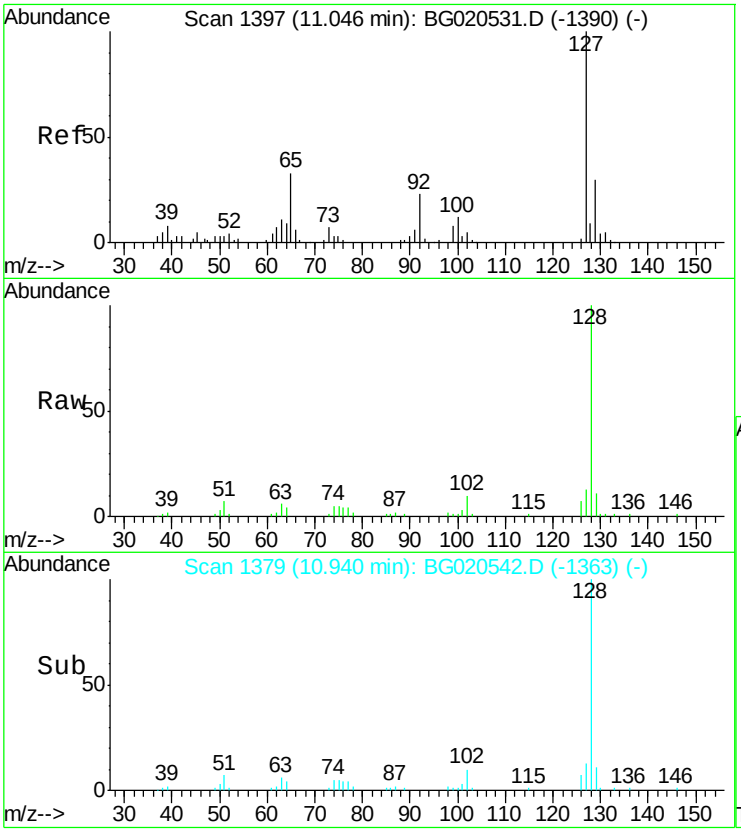


#28
Naphthalene
Concen: 14.28 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Tgt Ion:128 Resp: 59684

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.0	10.1	15.1



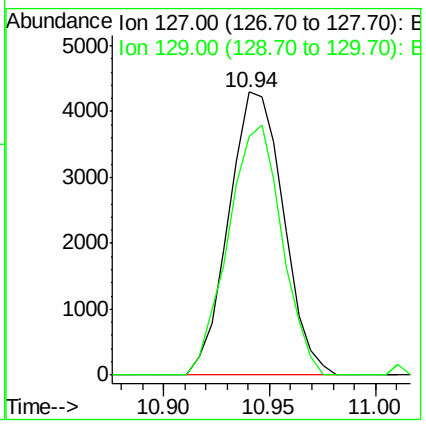


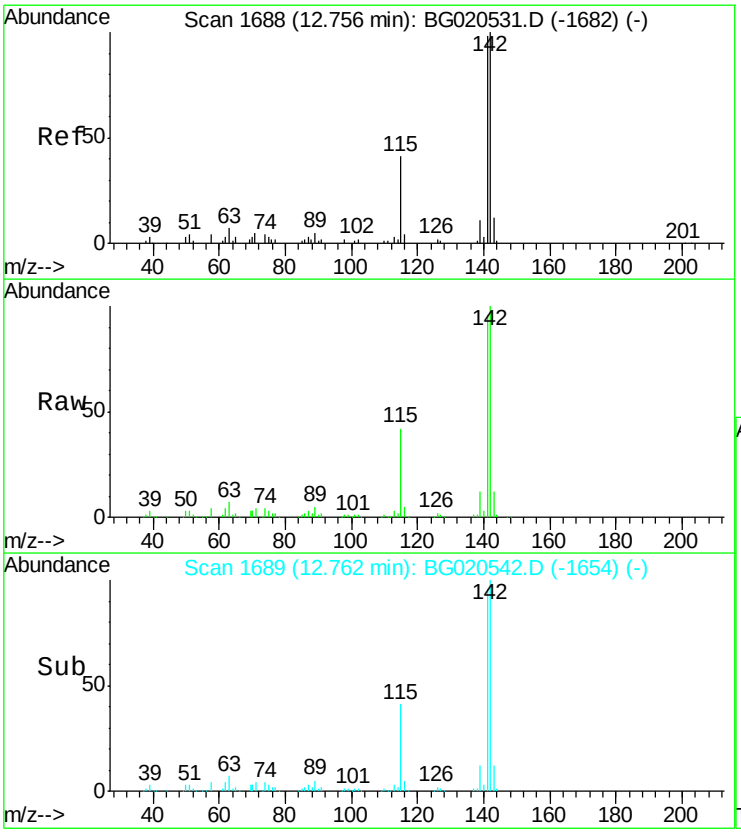
#30
4-Chloroaniline
Concen: 4.94 ng/ul
RT: 10.94 min Scan# 1379
Delta R.T. -0.11 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Instrument :
BNA_G
ClientSampleId :
G9D96

Tgt Ion:127 Resp: 7711

Ion	Ratio	Lower	Upper
127	100		
129	84.4	25.7	38.5#

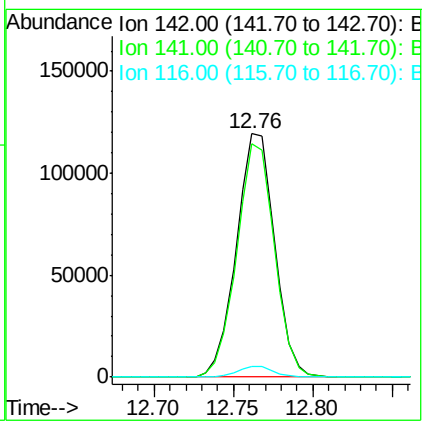


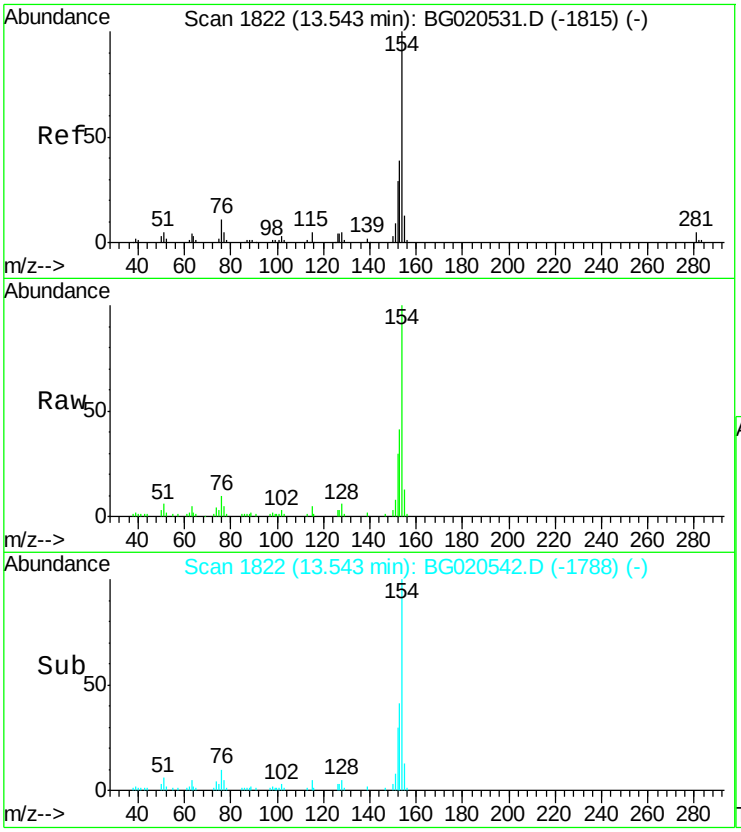


#35
1-Methylnaphthalene
Concen: 67.79 ng/ul
RT: 12.76 min Scan# 1689
Delta R.T. 0.01 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Tgt Ion:142 Resp: 199127

Ion	Ratio	Lower	Upper
142	100		
141	96.0	73.0	109.6
116	4.6	3.0	4.6#



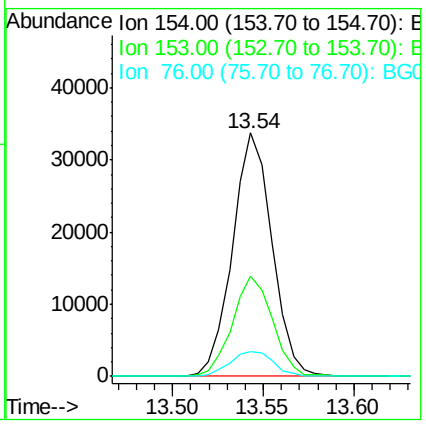


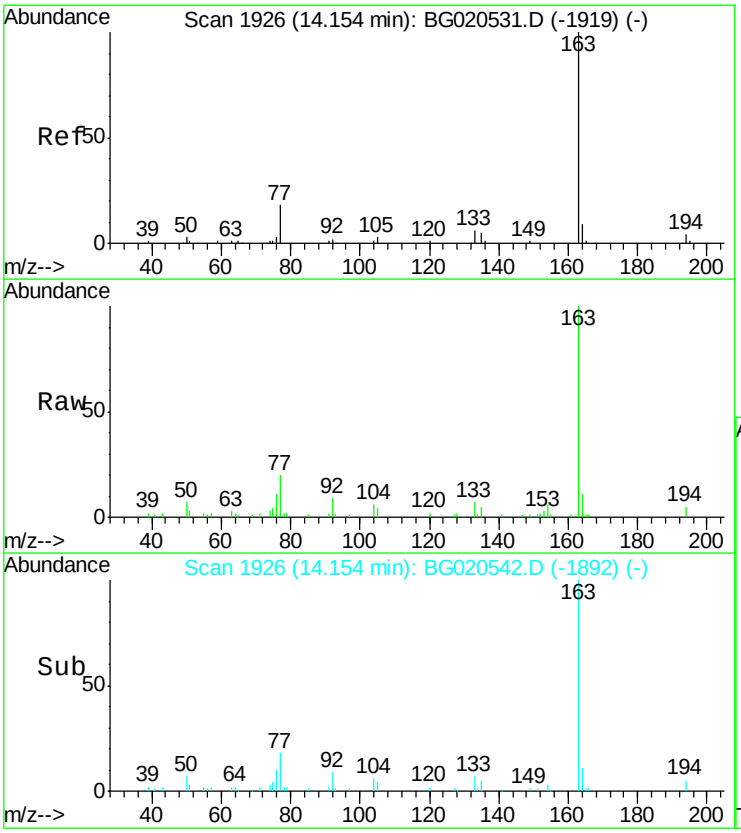
#41
1,1'-Biphenyl
Concen: 11.99 ng/ul
RT: 13.54 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Instrument :
BNA_G
ClientSampleId :
G9D96

Tgt Ion:154 Resp: 51200

Ion	Ratio	Lower	Upper
154	100		
153	41.4	35.5	53.3
76	10.1	10.4	15.6#

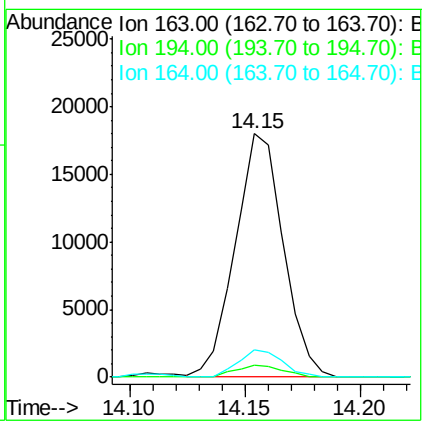


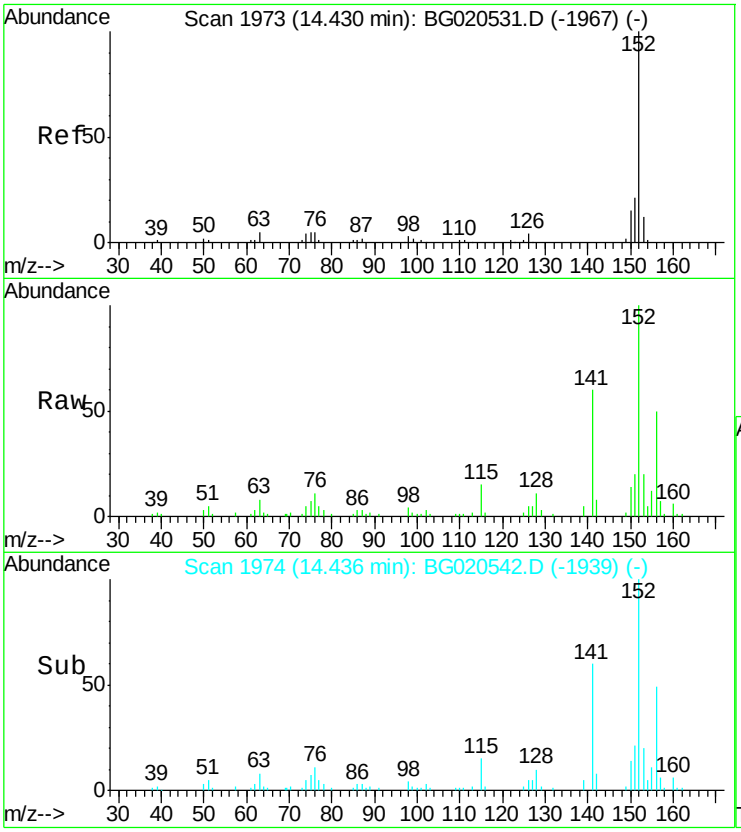


#45
Dimethylphthalate
Concen: 5.62 ng/ul
RT: 14.15 min Scan# 1926
Delta R.T. 0.00 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Tgt Ion:163 Resp: 26086

Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.5	5.3
164	11.0	7.7	11.5



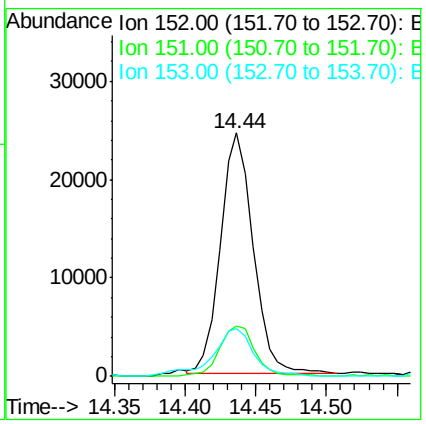


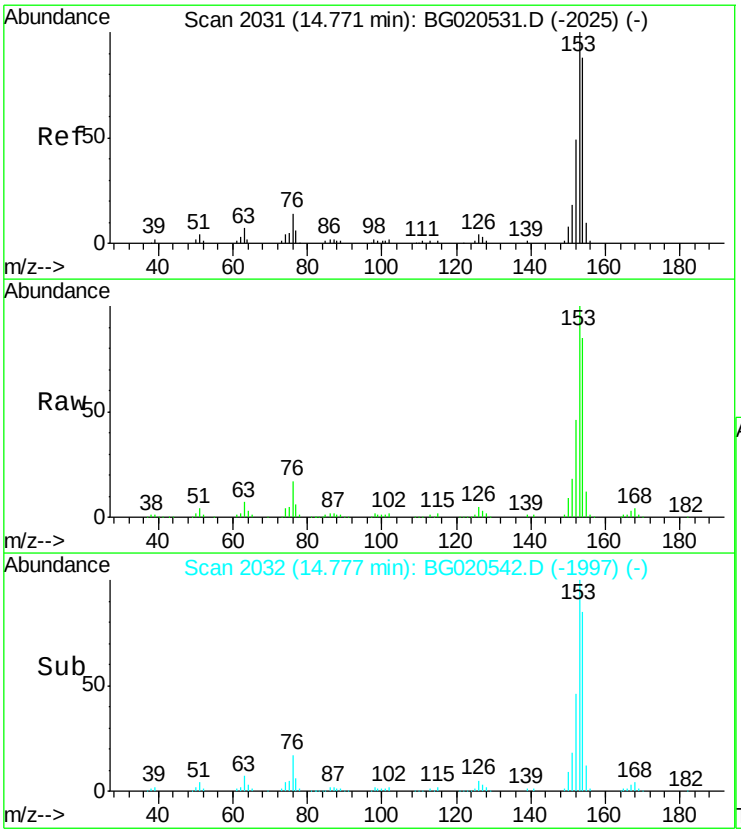
#48
Acenaphthylene
Concen: 7.06 ng/ul
RT: 14.44 min Scan# 1974
Delta R.T. 0.01 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Instrument :
BNA_G
ClientSampleId :
G9D96

Tgt Ion:152 Resp: 39218

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	19.5	10.4	15.6#

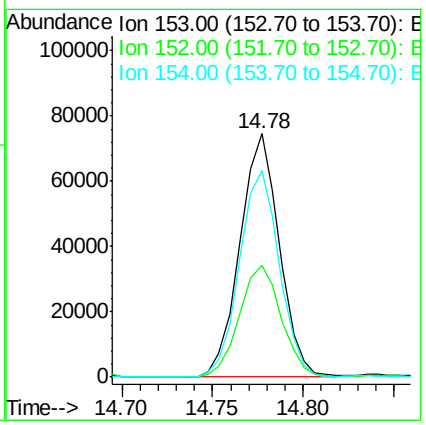


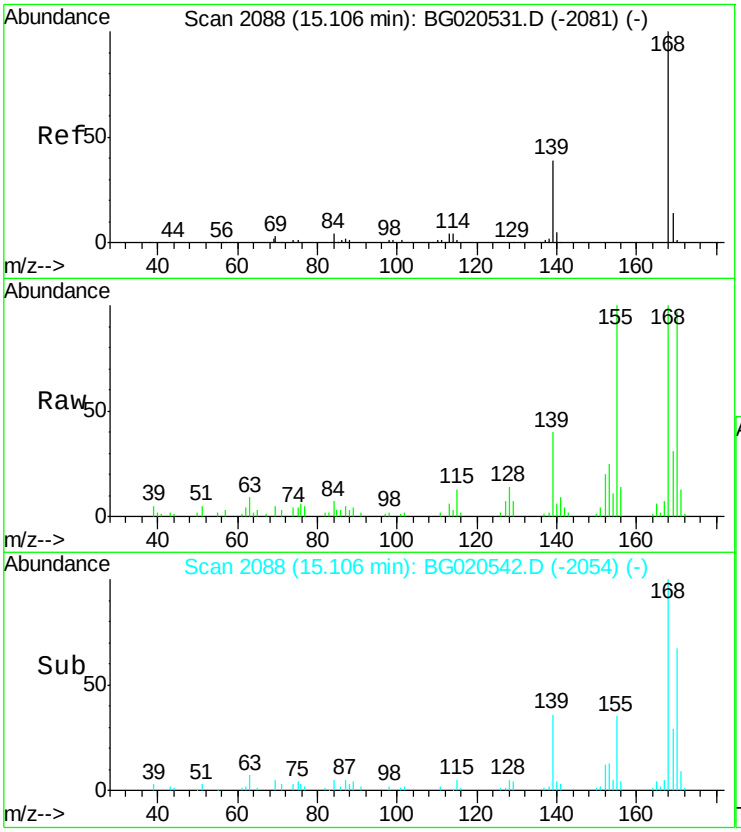


#50
Acenaphthene
Concen: 30.05 ng/ul
RT: 14.78 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Tgt Ion:153 Resp: 112862

Ion	Ratio	Lower	Upper
153	100		
152	46.1	37.6	56.4
154	84.7	67.9	101.9



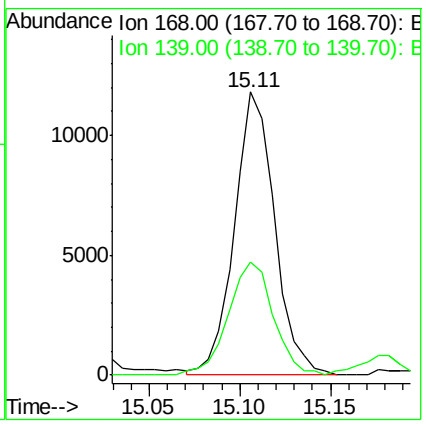


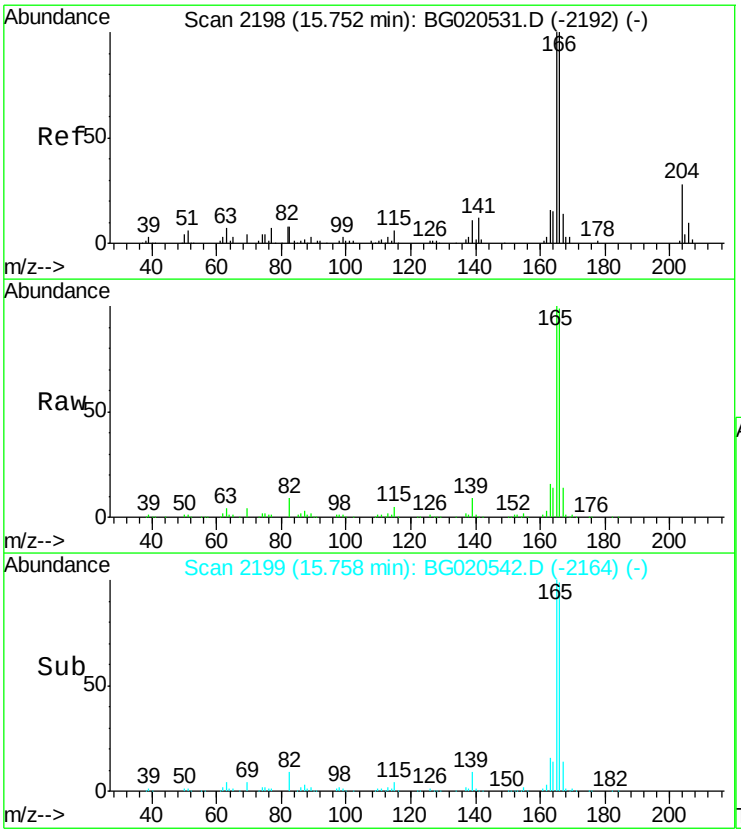
#54
Dibenzofuran
Concen: 3.27 ng/ul
RT: 15.11 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Instrument :
BNA_G
ClientSampleId :
G9D96

Tgt Ion:168 Resp: 18295

Ion	Ratio	Lower	Upper
168	100		
139	39.8	30.5	45.7

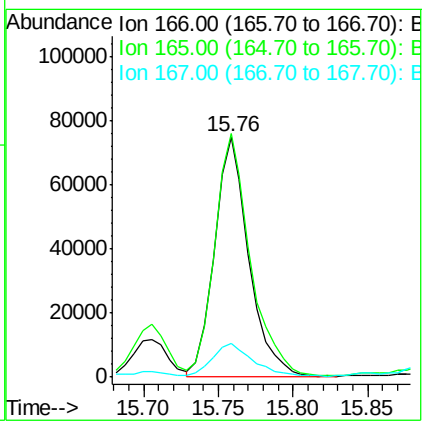


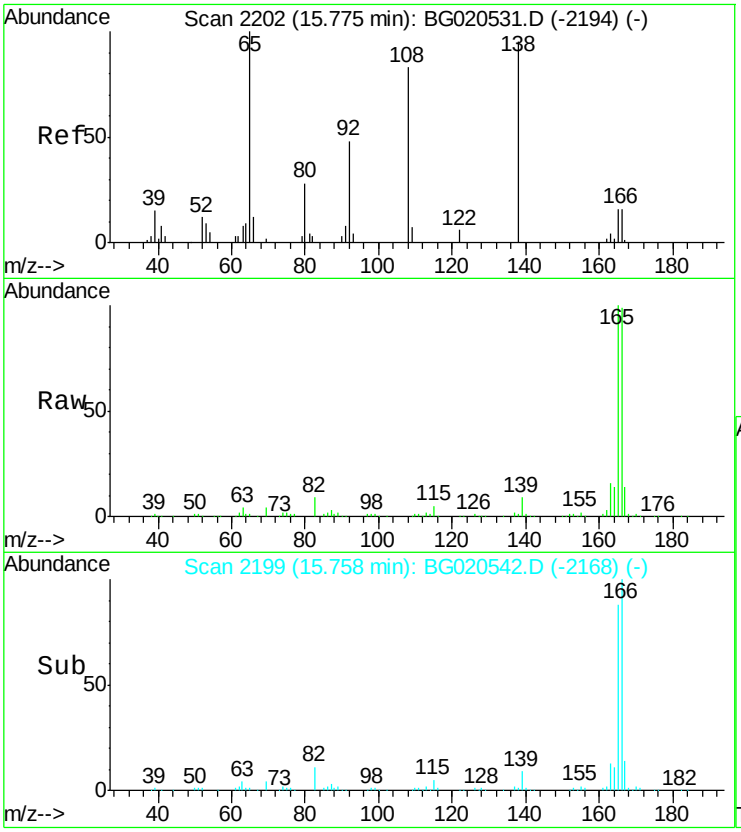


#59
Fluorene
Concen: 26.31 ng/ul
RT: 15.76 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Tgt Ion:166 Resp: 119129

Ion	Ratio	Lower	Upper
166	100		
165	101.4	81.4	122.0
167	14.2	11.2	16.8



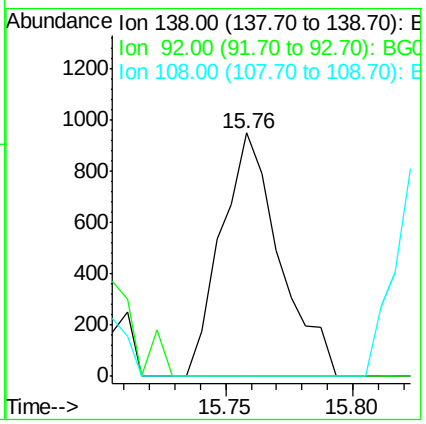


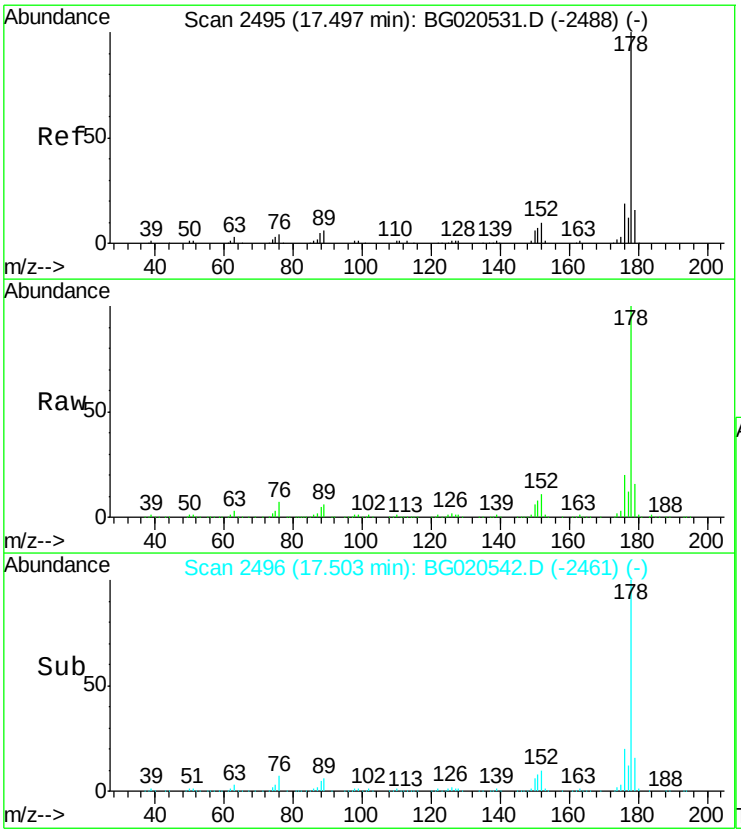
#61
4-Nitroaniline
Concen: 1.55 ng/ul
RT: 15.76 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Instrument :
BNA_G
ClientSampleId :
G9D96

Tgt Ion:138 Resp: 1519

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

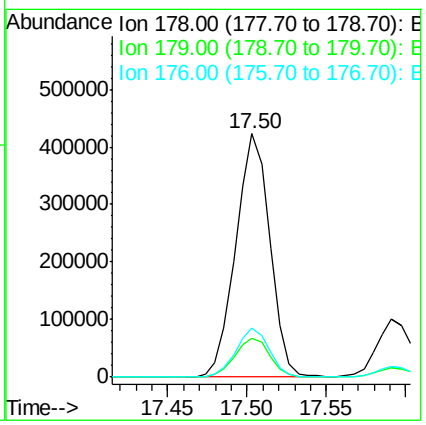


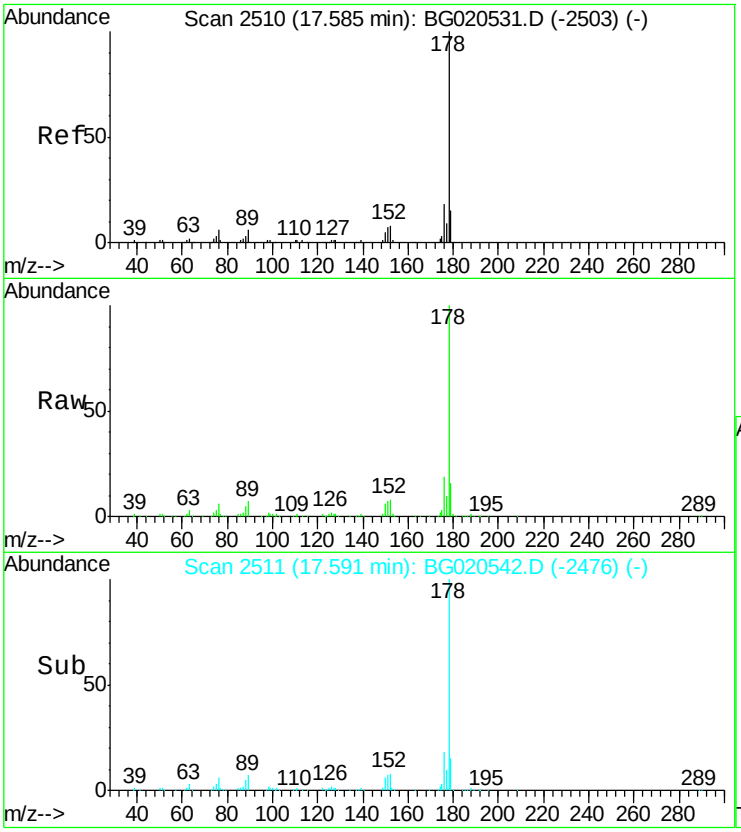


#70
Phenanthrene
Concen: 83.62 ng/ul
RT: 17.50 min Scan# 2496
Delta R.T. 0.01 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Tgt Ion:178 Resp: 631322

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.9	19.3
176	19.9	15.3	22.9



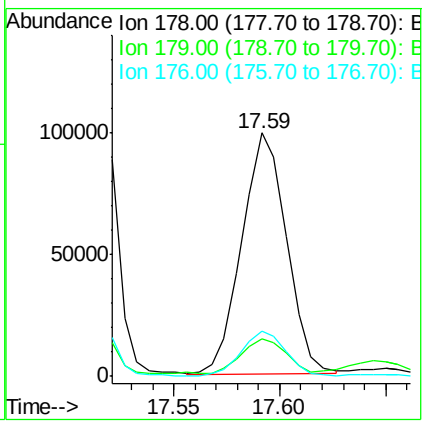


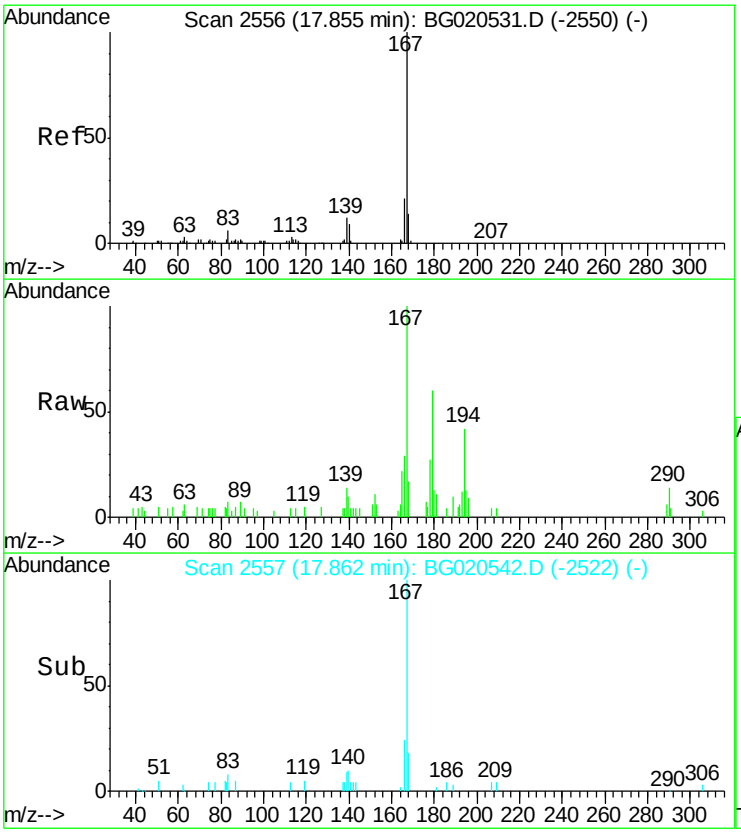
#72
Anthracene
Concen: 18.95 ng/ul
RT: 17.59 min Scan# 2511
Delta R.T. 0.01 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Instrument :
BNA_G
ClientSampleId :
G9D96

Tgt Ion:178 Resp: 146283

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	18.6	14.3	21.5

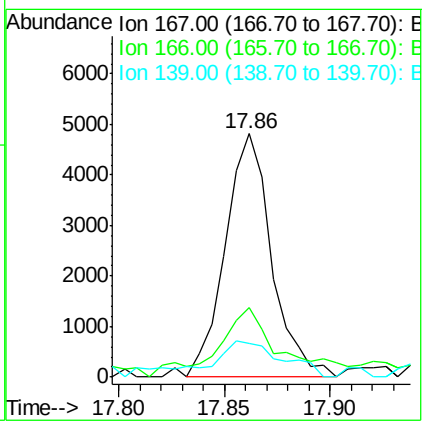


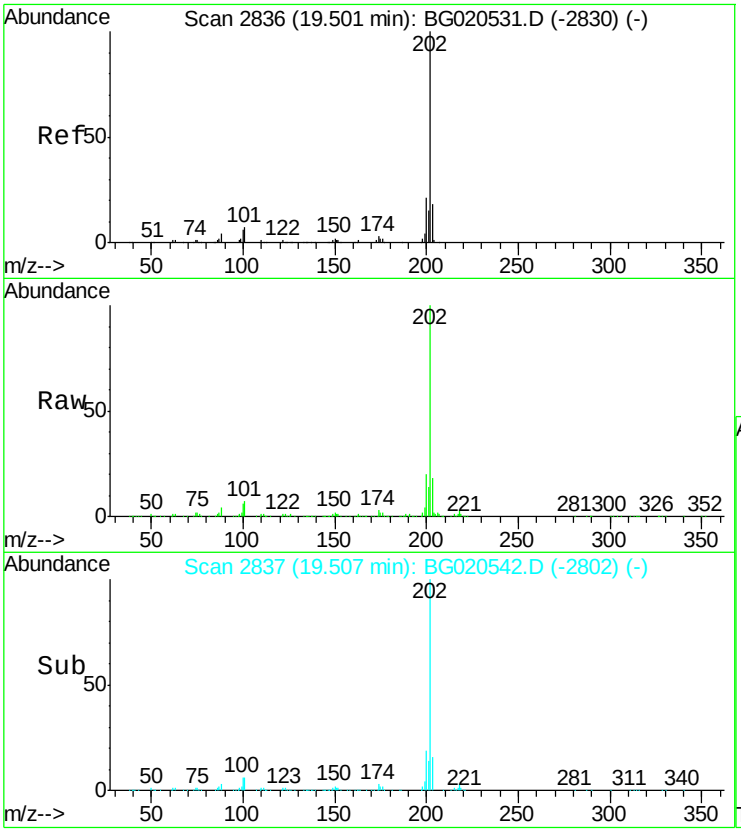


#75
Carbazole
Concen: 1.12 ng/ul
RT: 17.86 min Scan# 2557
Delta R.T. 0.01 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Tgt Ion:167 Resp: 7301

Ion	Ratio	Lower	Upper
167	100		
166	28.8	17.0	25.6#
139	14.0	10.1	15.1



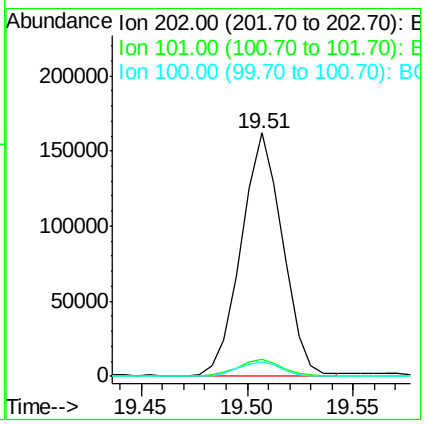


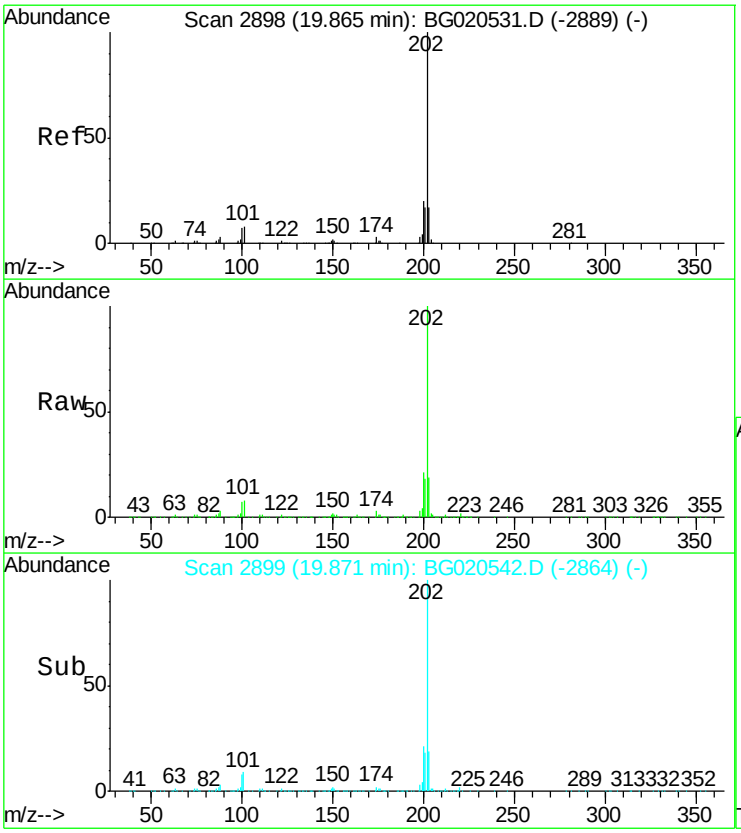
#77
Fluoranthene
Concen: 23.11 ng/ul
RT: 19.51 min Scan# 2837
Delta R.T. 0.01 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Instrument :
BNA_G
ClientSampleId :
G9D96

Tgt Ion:202 Resp: 219454

Ion	Ratio	Lower	Upper
202	100		
101	7.1	6.2	9.4
100	5.7	5.1	7.7

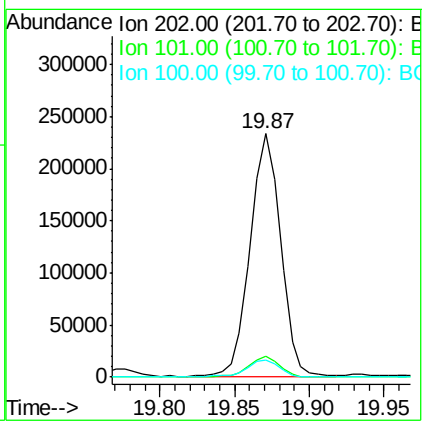


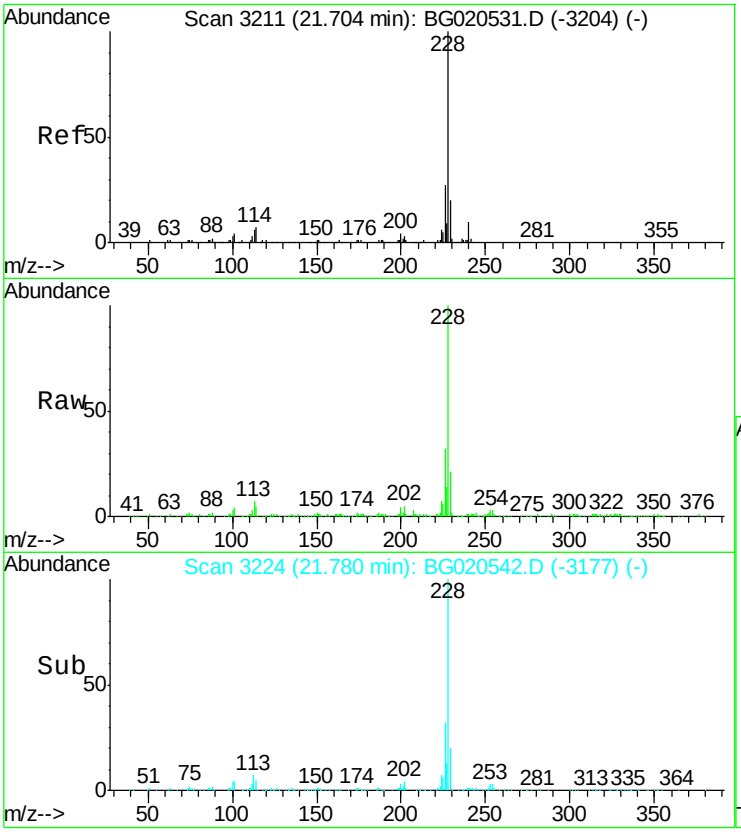


#80
Pyrene
Concen: 34.38 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. 0.01 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Tgt Ion:202 Resp: 327098

Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.0	10.4
100	7.1	6.4	9.6



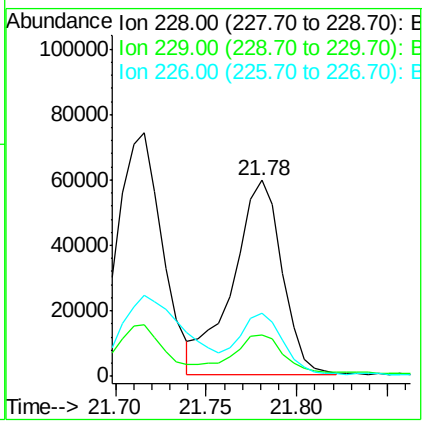


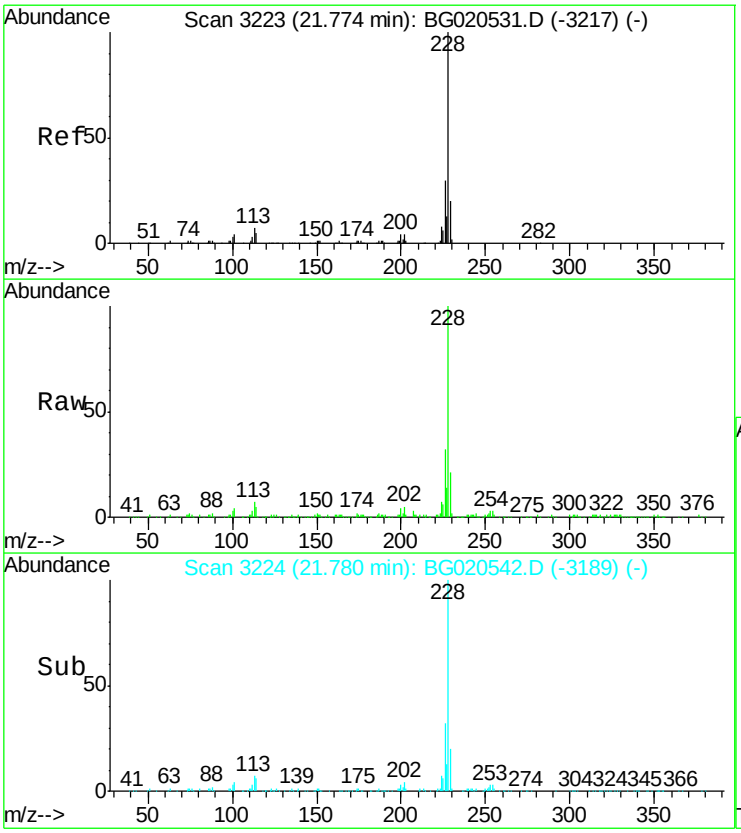
#83
Benzo(a)anthracene
Concen: 11.37 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. 0.08 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Instrument :
BNA_G
ClientSampleId :
G9D96

Tgt Ion:228 Resp: 112364

Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.8
226	32.4	21.8	32.6

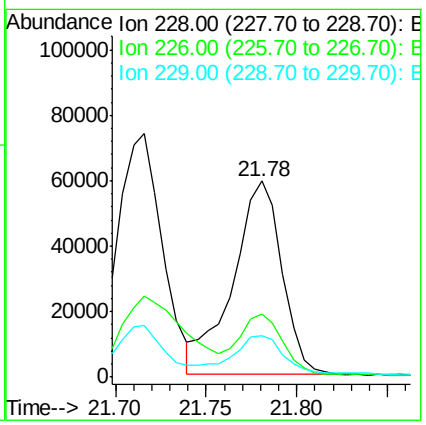


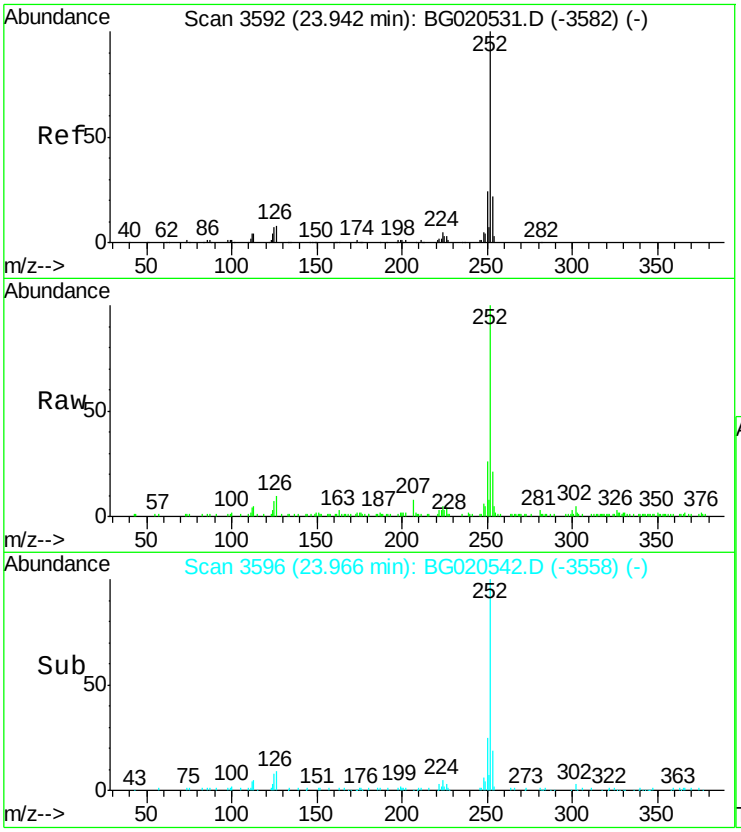


#85
Chrysene
Concen: 11.76 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Tgt Ion:228 Resp: 110674

Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.9	35.9
229	20.8	15.6	23.4



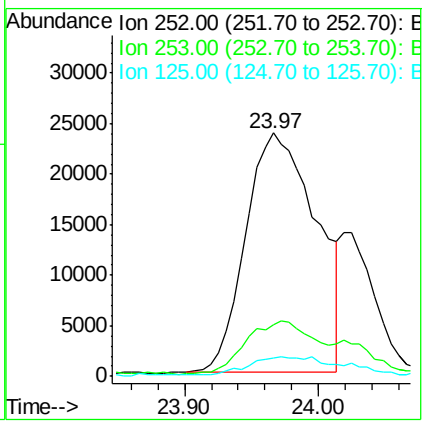


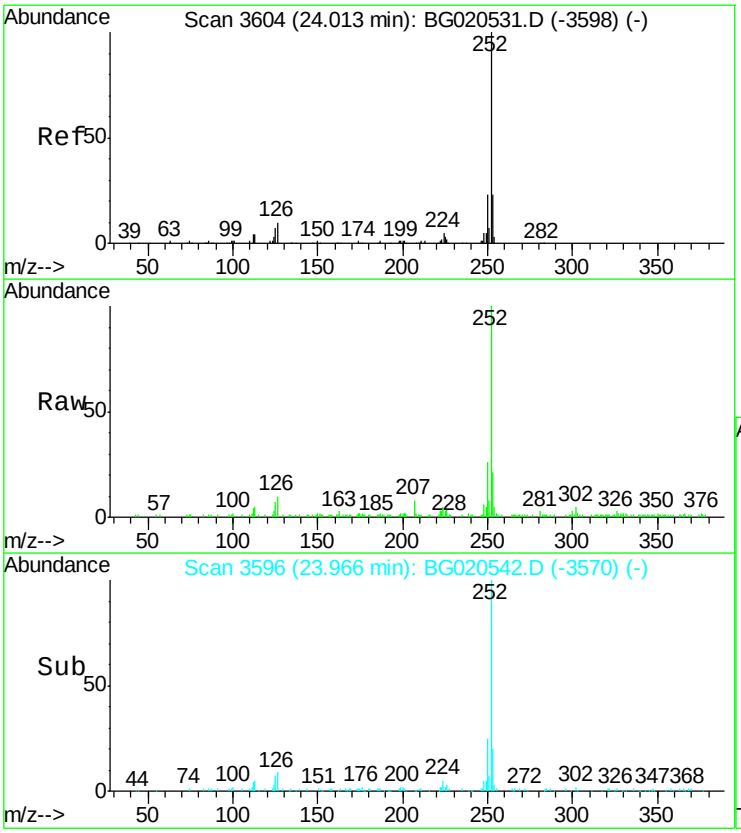
#88
Benzo(b)fluoranthene
Concen: 9.10 ng/ul
RT: 23.97 min Scan# 3596
Delta R.T. 0.02 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Instrument :
BNA_G
ClientSampleId :
G9D96

Tgt Ion:252 Resp: 87184

Ion	Ratio	Lower	Upper
252	100		
253	21.1	16.7	25.1
125	7.4	6.2	9.2

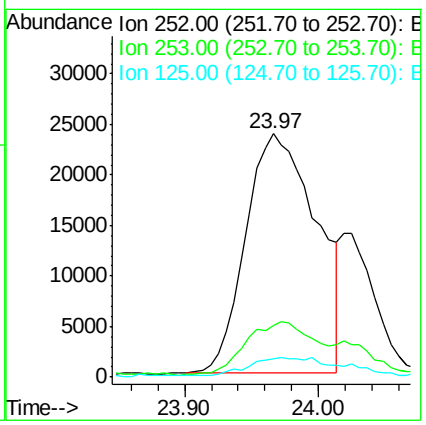


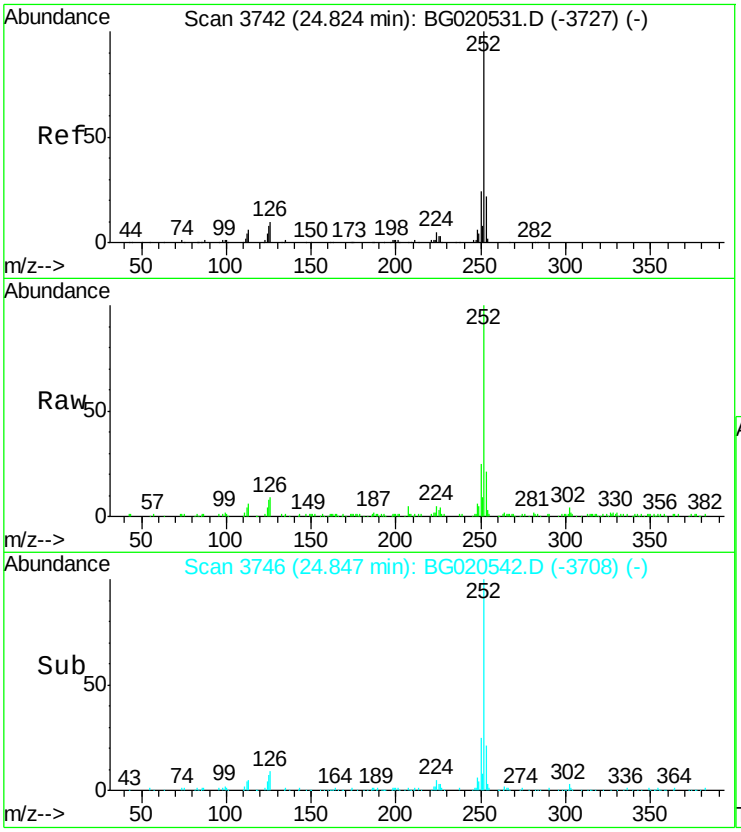


#89
Benzo(k)fluoranthene
Concen: 9.41 ng/ul
RT: 23.97 min Scan# 3596
Delta R.T. -0.05 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Tgt Ion:252 Resp: 87184

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.9	26.9
125	7.4	5.8	8.6



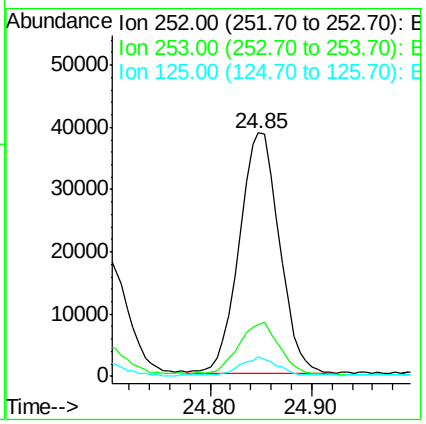


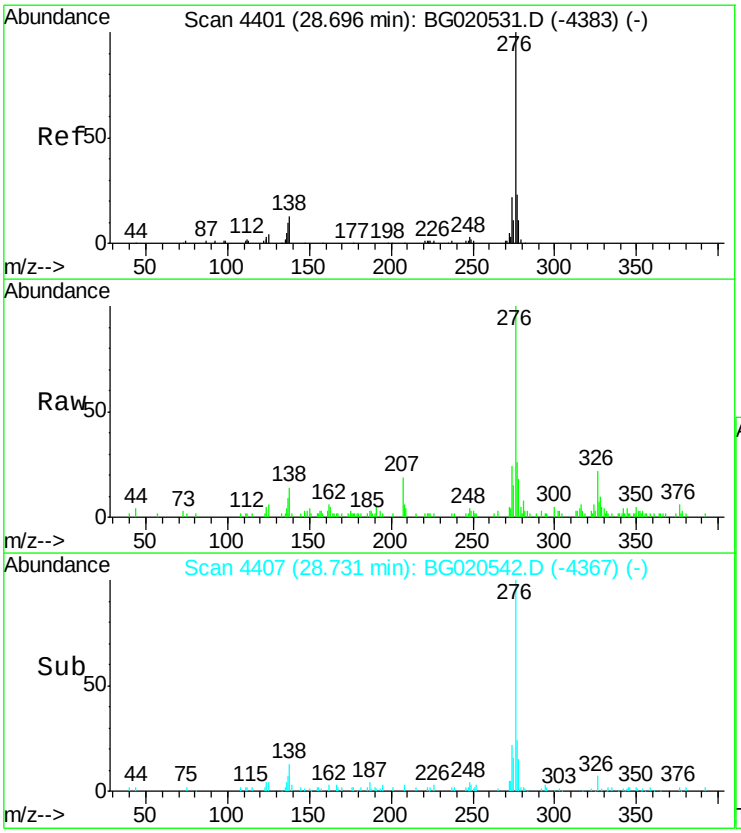
#91
Benzo(a)pyrene
Concen: 11.50 ng/ul
RT: 24.85 min Scan# 3746
Delta R.T. 0.02 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Instrument :
BNA_G
ClientSampleId :
G9D96

Tgt Ion:252 Resp: 105942

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.4
125	7.8	6.2	9.4

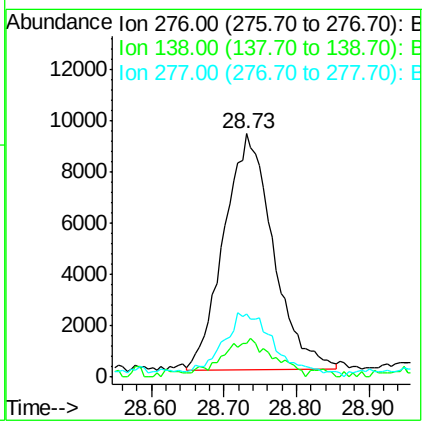


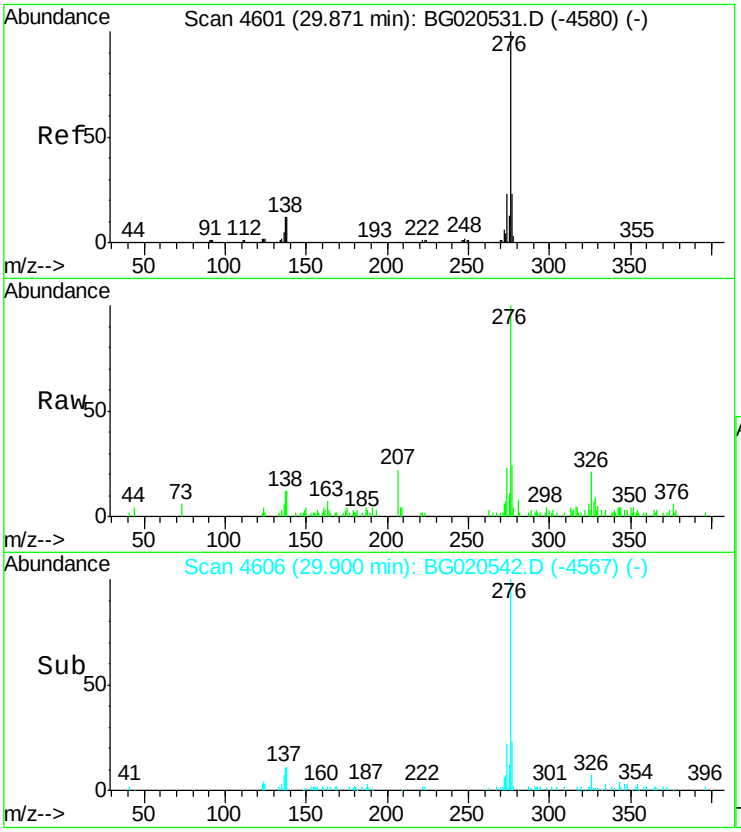


#92
Indeno(1,2,3-cd)pyrene
Concen: 3.94 ng/ul
RT: 28.73 min Scan# 4407
Delta R.T. 0.04 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Tgt Ion:276 Resp: 43504

Ion	Ratio	Lower	Upper
276	100		
138	13.9	11.4	17.0
277	25.9	17.4	26.0





#94
Benzo(g,h,i)perylene
Concen: 4.84 ng/ul
RT: 29.90 min Scan# 4606
Delta R.T. 0.03 min
Lab File: BG020542.D
Acq: 26 Dec 2015 16:09

Instrument :
BNA_G
ClientSampleId :
G9D96

Tgt Ion:276 Resp: 43839

Ion	Ratio	Lower	Upper
276	100		
138	12.2	10.8	16.2
277	23.8	19.9	29.9