Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021897.D
Acq On : 15 May 2016 17:35
Operator : UM/SJ
Sample : H3096-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG4

Quant Time: May 16 01:29:47 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	56631	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	274779	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	168834	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	378529	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	386032	20.00	ng/ul	0.00
84) Perylene-d12	25.16	264	385417	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.55	96	4324	3.69	ng/uL	0.00
5) Phenol-d5	7.31	99	78029	18.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	44208	21.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	81675	25.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	51164	14.50	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	42862	23.73	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	46342	40.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	80784	25.04	ng/ul	0.00
29) 4-Chloroaniline-d4	11.35	131	361	0.10	ng/ul	0.24
44) Dimethylphthalate-d6	14.19	166	276681	23.33	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	377374	22.41	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	20186	9.93	ng/ul	0.00
58) Fluorene-d10	15.78	176	269111	21.55	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	36590	34.90	ng/ul	0.00
71) Anthracene-d10	17.63	188	402270	21.83	ng/ul	0.00
77) Pyrene-d10	19.91	212	435803	24.12	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.93	264	412130	22.51	ng/ul	0.01
Target Compounds						Qvalue
4) Benzaldehyde	7.30	77	488	1.07	ng/ul#	77
28) Naphthalene	11.03	128	61467	4.46	ng/ul	97
30) 4-Chloroaniline	11.03	127	7919	2.25	ng/ul#	13
34) 2-Methylnaphthalene	12.63	142	16392	1.62	ng/ul	99
35) 1-Methylnaphthalene	12.85	142	12790	1.27	ng/ul#	98
45) Dimethylphthalate	14.24	163	71502	5.92	ng/ul	99
50) Acenaphthene	14.85	153	55028	4.59	ng/ul	97
54) Dibenzofuran	15.19	168	32924	2.05	ng/ul#	81
59) Fluorene	15.83	166	33872	2.44	ng/ul#	94
69) Pentachlorophenol	17.18	266	3708	2.13	ng/ul	94
70) Phenanthrene	17.58	178	645767	31.20	ng/ul	96
72) Anthracene	17.67	178	117368	5.58	ng/ul	99
73) Carbazole	17.94	167	99306	5.45	ng/ul#	96
74) Di-n-butylphthalate	18.48	149	17395	1.05	ng/ul#	93
75) Fluoranthene	19.58	202	1015075	43.17	ng/ul#	93
78) Pyrene	19.58	202	1015343	45.46	ng/ul	97
79) Butylbenzylphthalate	20.81	149	12159	2.46	ng/ul#	79
81) Benzo(a)anthracene	21.80	228	472607	22.00	ng/ul	97
82) Bis(2-ethylhexyl)phthalate	21.69	149	104846	13.01	ng/ul	99
83) Chrysene	21.87	228	455174	21.42	ng/ul	95
86) Benzo(b)fluoranthene	24.09	252	804413	36.46	ng/ul#	93
87) Benzo(k)fluoranthene	24.09	252	804413	34.06	ng/ul#	93
89) Benzo(a)pyrene	25.00	252	485175	22.09	ng/ul#	93

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021897.D
Acq On : 15 May 2016 17:35
Operator : UM/SJ
Sample : H3096-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG4

Quant Time: May 16 01:29:47 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)
90) Indeno(1,2,3-cd)pyrene	28.99	276	391704	15.05	ng/ul	97
92) Benzo(g,h,i)perylene	30.17	276	361233	16.82	ng/ul#	89

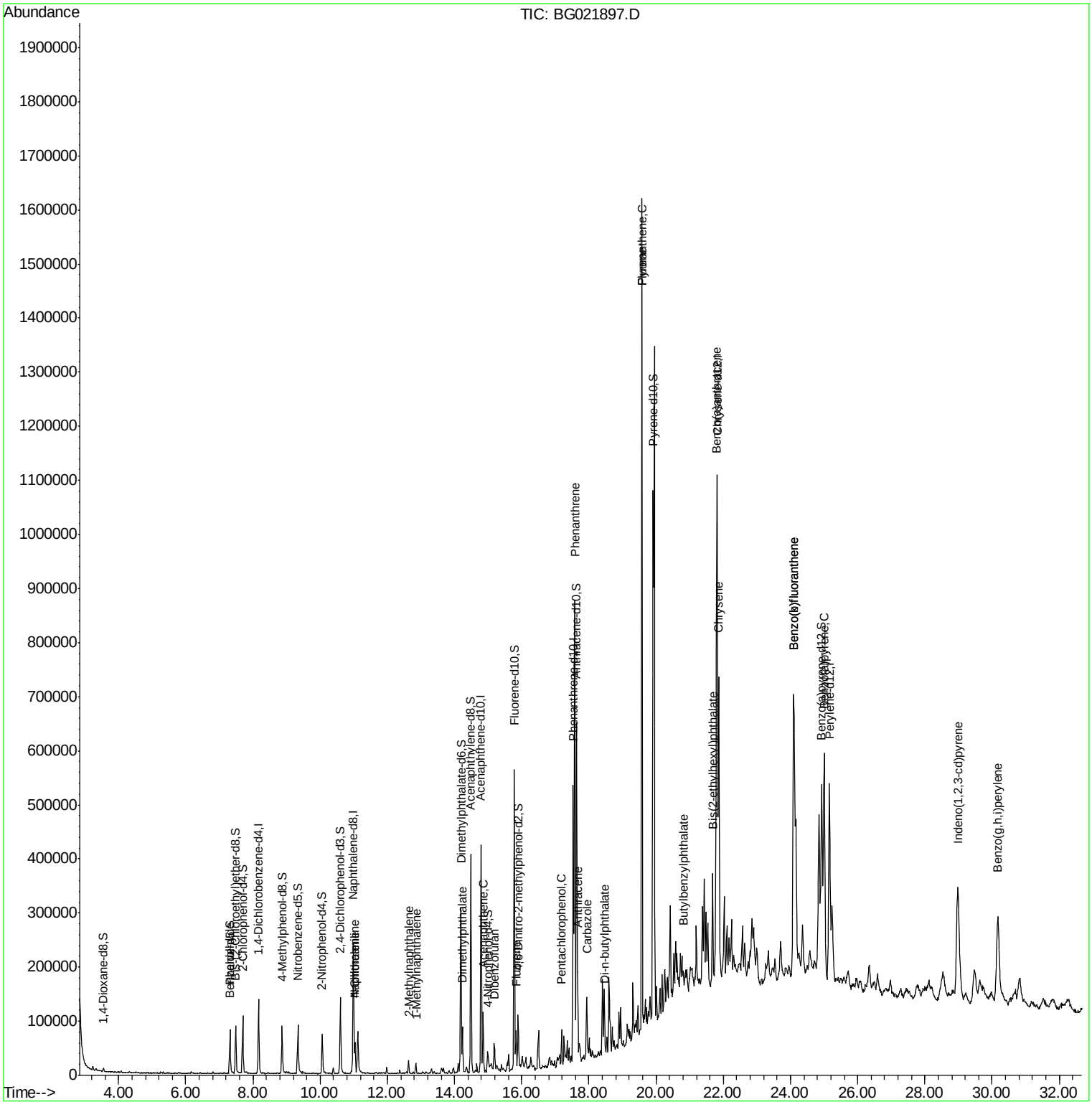
(#) = qualifier out of range (m) = manual integration (+) = signals summed

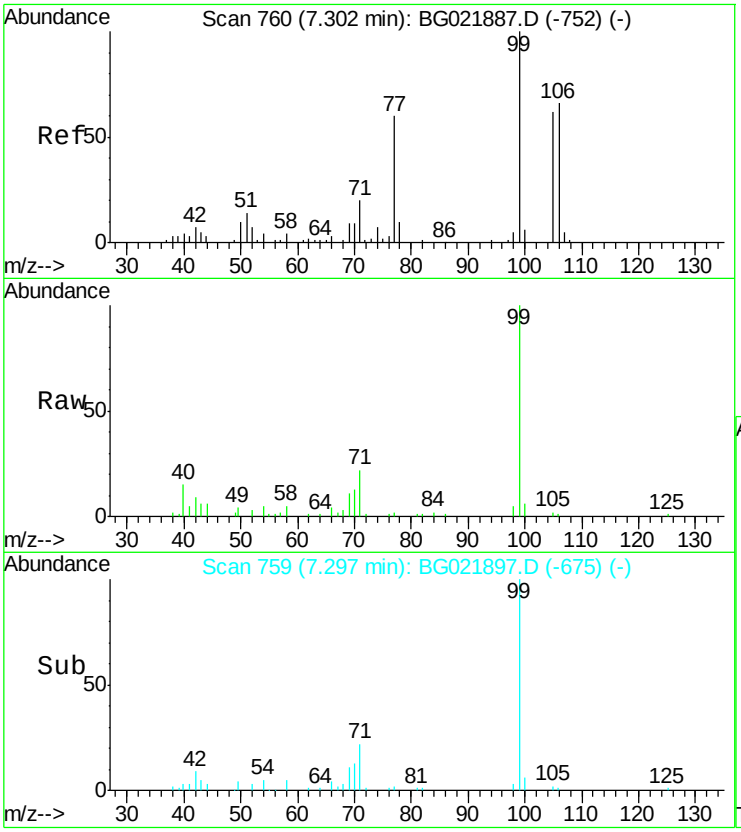
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021897.D
Acq On : 15 May 2016 17:35
Operator : UM/SJ
Sample : H3096-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XG4

Quant Time: May 16 01:29:47 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



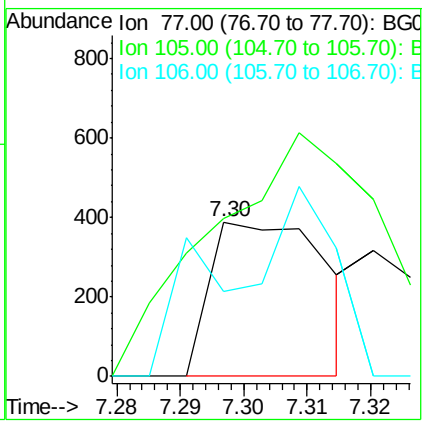


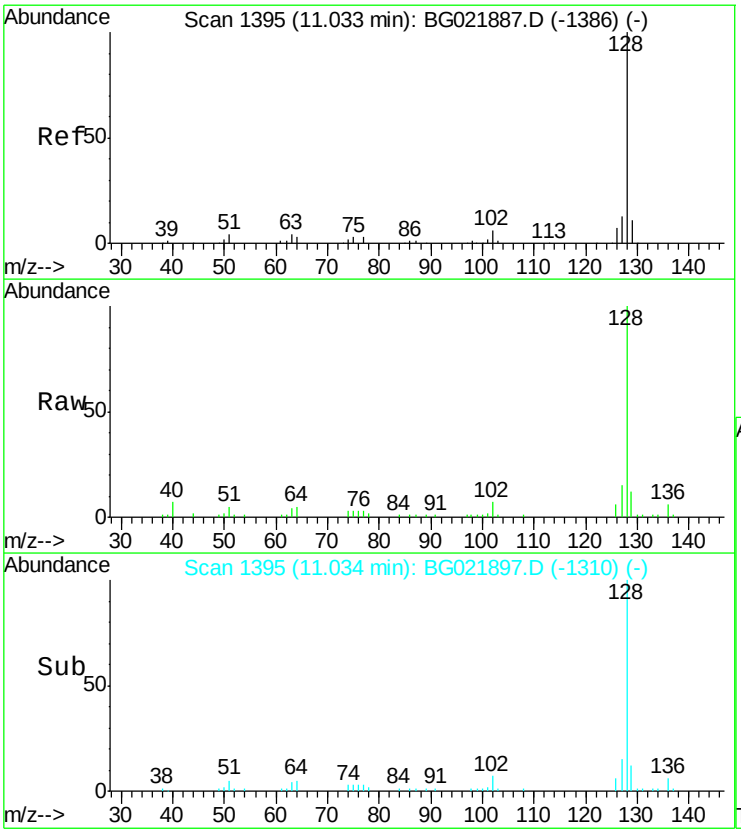
#4
Benzaldehyde
Concen: 1.07 ng/ul
RT: 7.30 min Scan# 759
Delta R.T. -0.01 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Instrument :
BNA_G
ClientSampleId :
D9XG4

Tgt Ion: 77 Resp: 488

Ion	Ratio	Lower	Upper
77	100		
105	102.1	68.5	102.7
106	55.4	65.0	97.4#

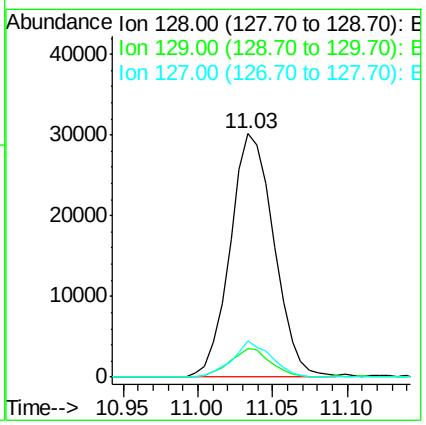


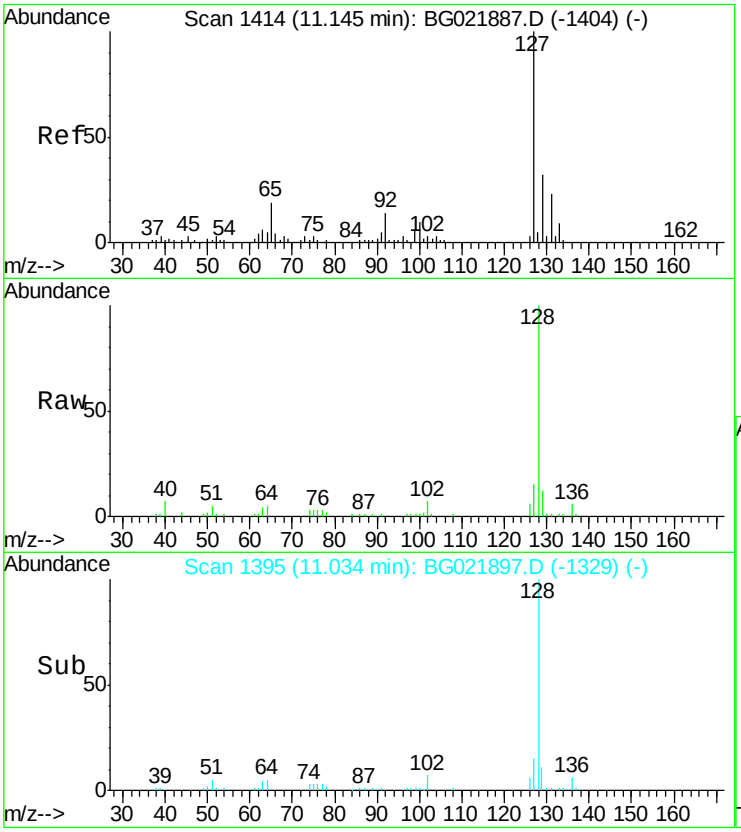


#28
Naphthalene
Concen: 4.46 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Tgt Ion:128 Resp: 61467

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.3	12.5
127	14.9	10.8	16.2



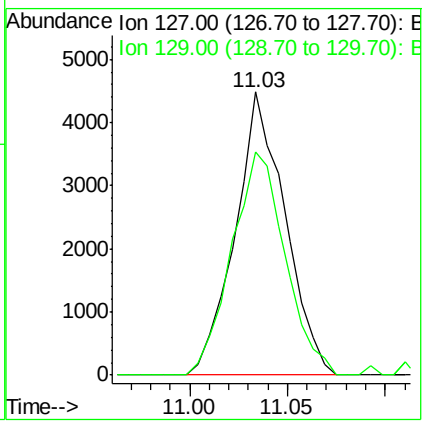


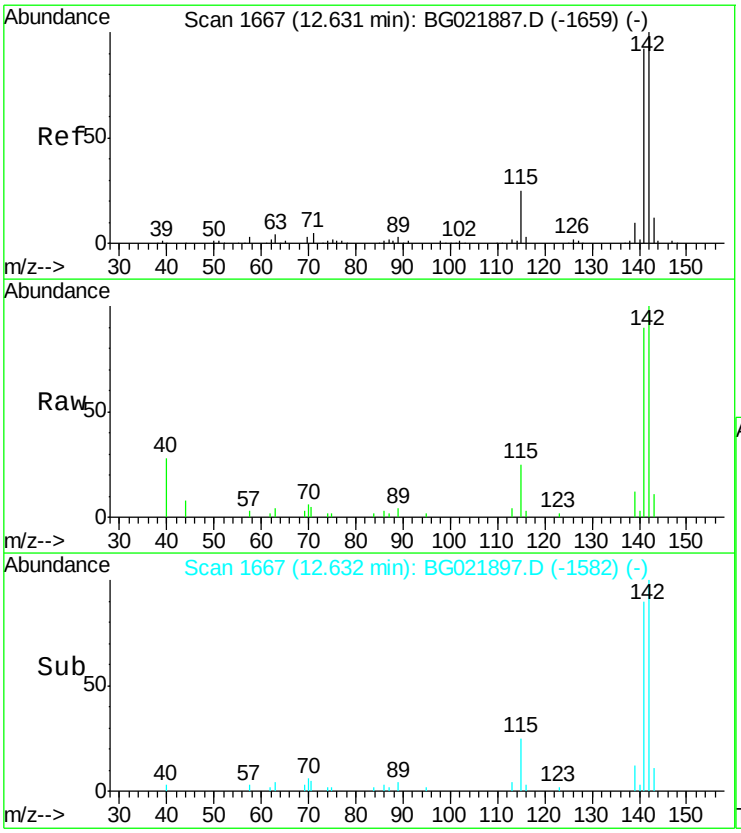
#30
4-Chloroaniline
Concen: 2.25 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. -0.11 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Instrument :
BNA_G
ClientSampleId :
D9XG4

Tgt Ion:127 Resp: 7919

Ion	Ratio	Lower	Upper
127	100		
129	79.0	24.8	37.2#

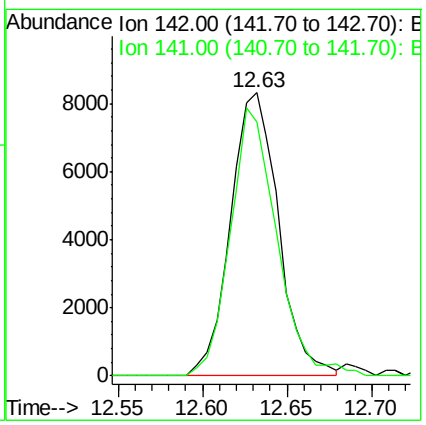


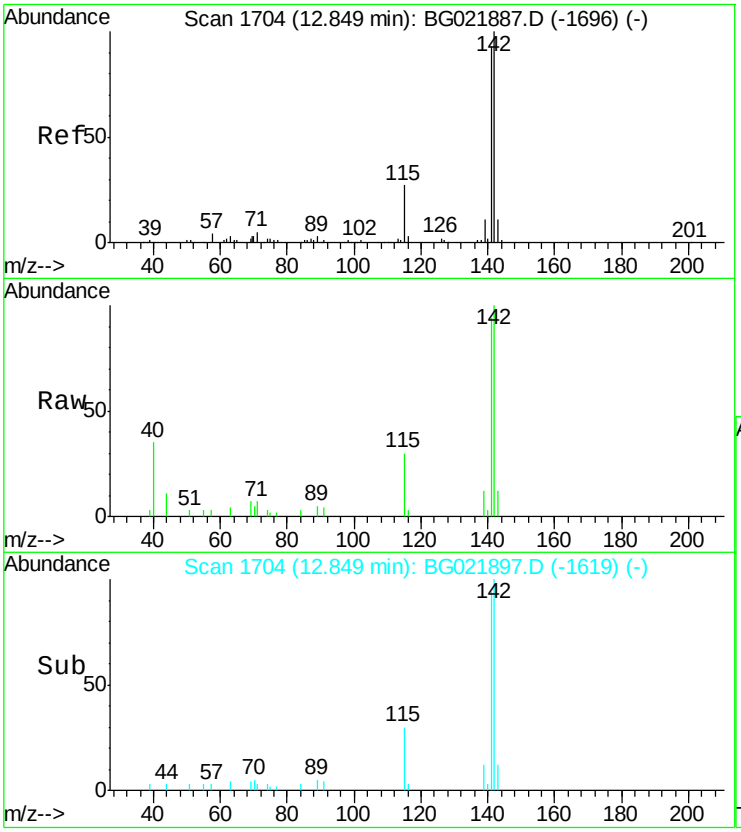


#34
2-Methylnaphthalene
Concen: 1.62 ng/ul
RT: 12.63 min Scan# 1667
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Tgt Ion:142 Resp: 16392

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.3	106.9



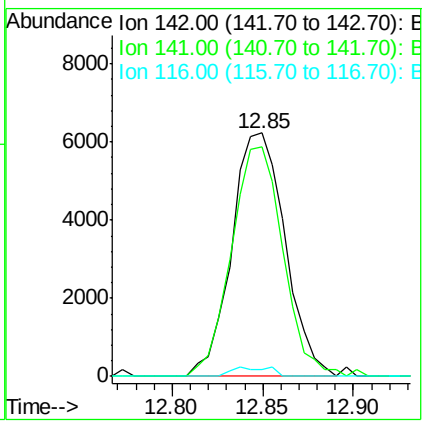


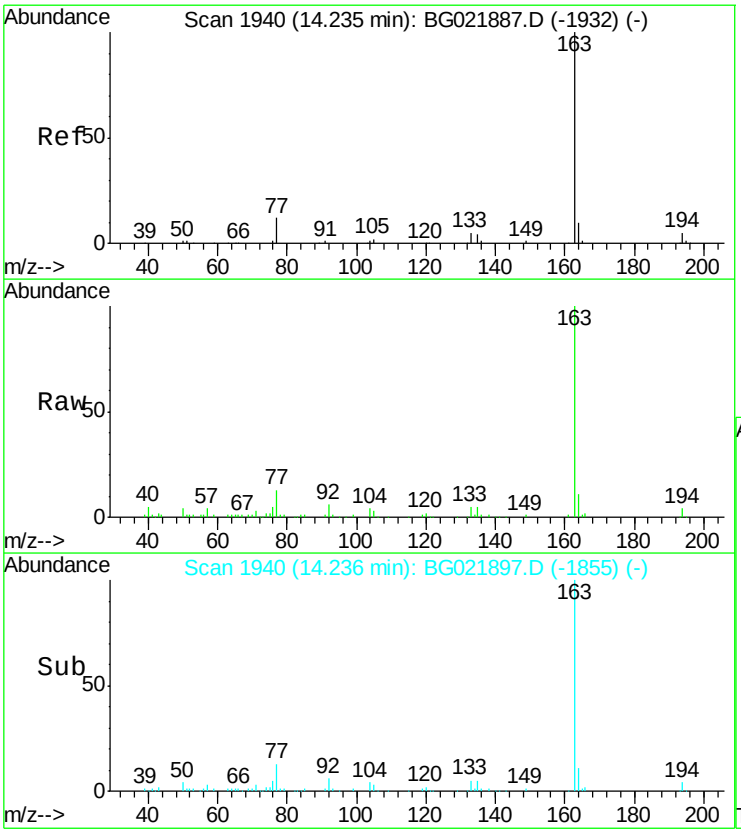
#35
1-Methylnaphthalene
Concen: 1.27 ng/ul
RT: 12.85 min Scan# 1704
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Instrument :
BNA_G
ClientSampleId :
D9XG4

Tgt Ion:142 Resp: 12790

Ion	Ratio	Lower	Upper
142	100		
141	94.4	77.0	115.4
116	2.9	4.2	6.4#

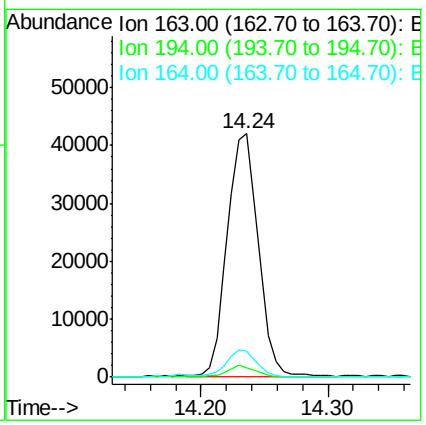


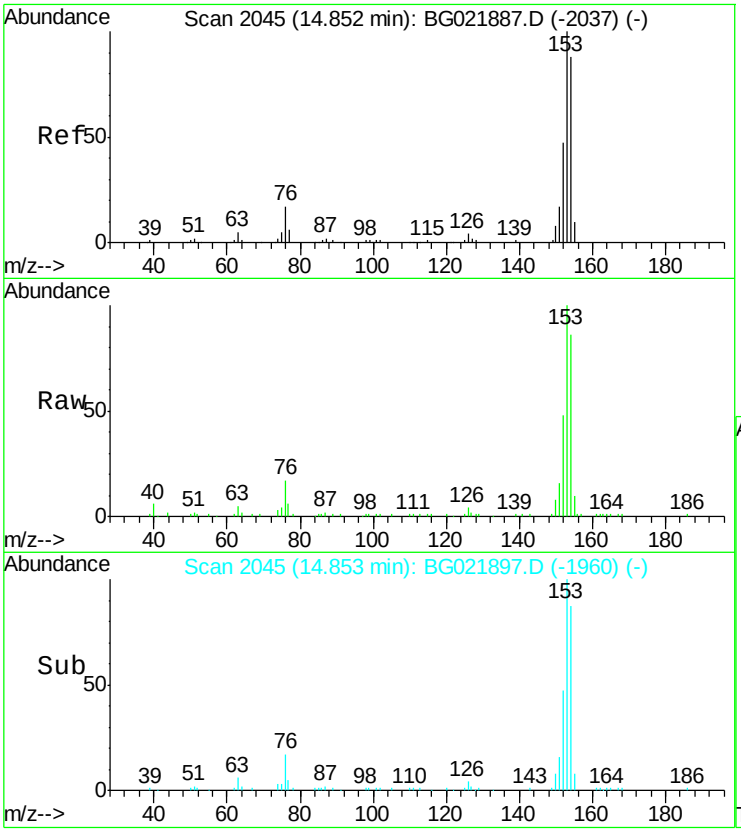


#45
Dimethylphthalate
Concen: 5.92 ng/ul
RT: 14.24 min Scan# 1940
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Tgt Ion:163 Resp: 71502

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.9	5.9
164	10.9	8.7	13.1



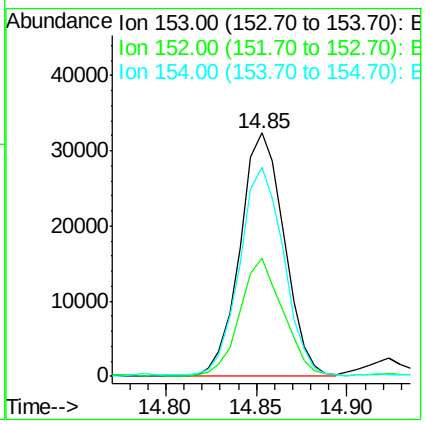


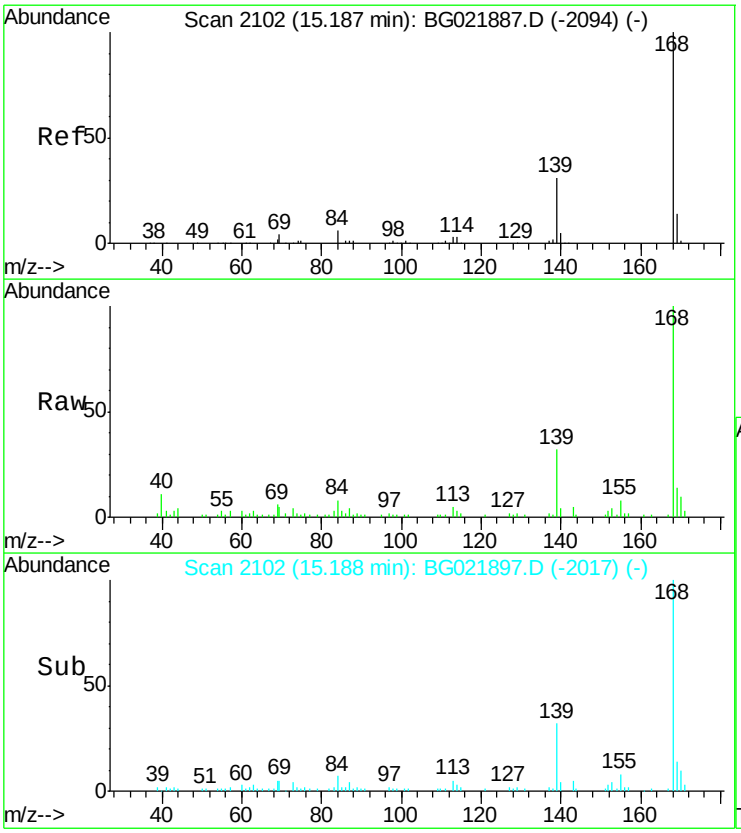
#50
Acenaphthene
Concen: 4.59 ng/ul
RT: 14.85 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Instrument :
BNA_G
ClientSampleId :
D9XG4

Tgt Ion:153 Resp: 55028

Ion	Ratio	Lower	Upper
153	100		
152	48.3	36.5	54.7
154	85.8	67.3	100.9

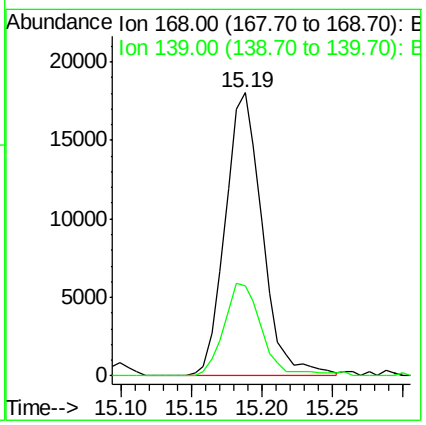


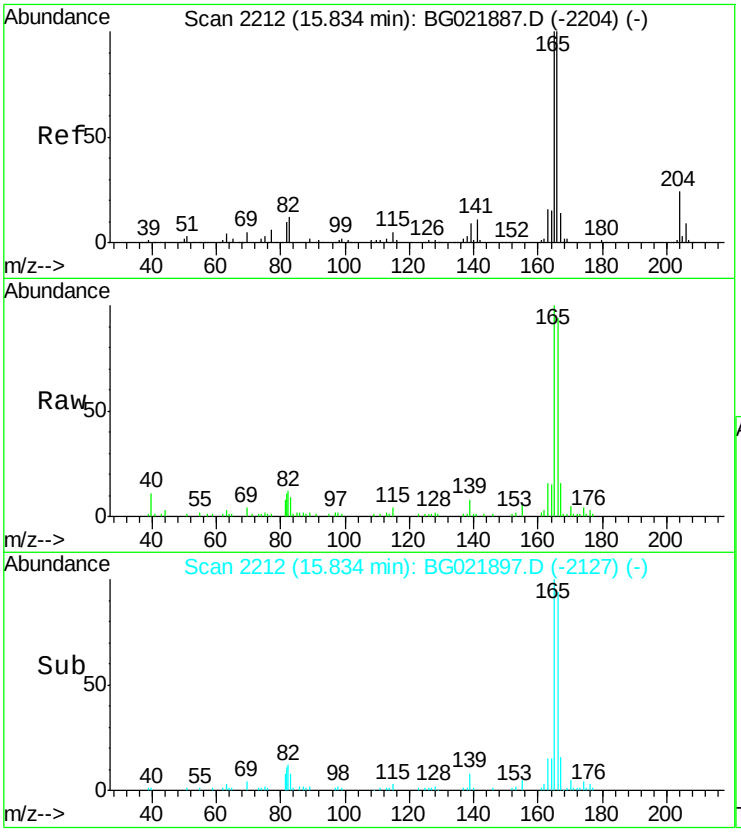


#54
Dibenzofuran
Concen: 2.05 ng/ul
RT: 15.19 min Scan# 2102
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Tgt Ion:168 Resp: 32924

Ion	Ratio	Lower	Upper
168	100		
139	31.9	35.2	52.8#



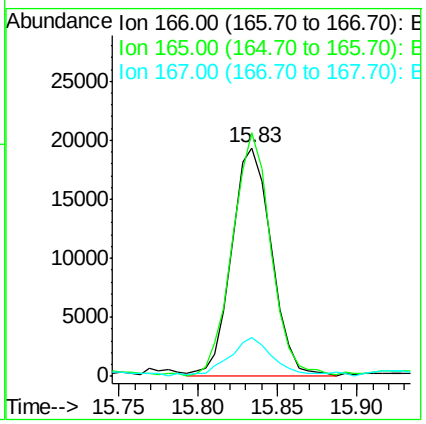


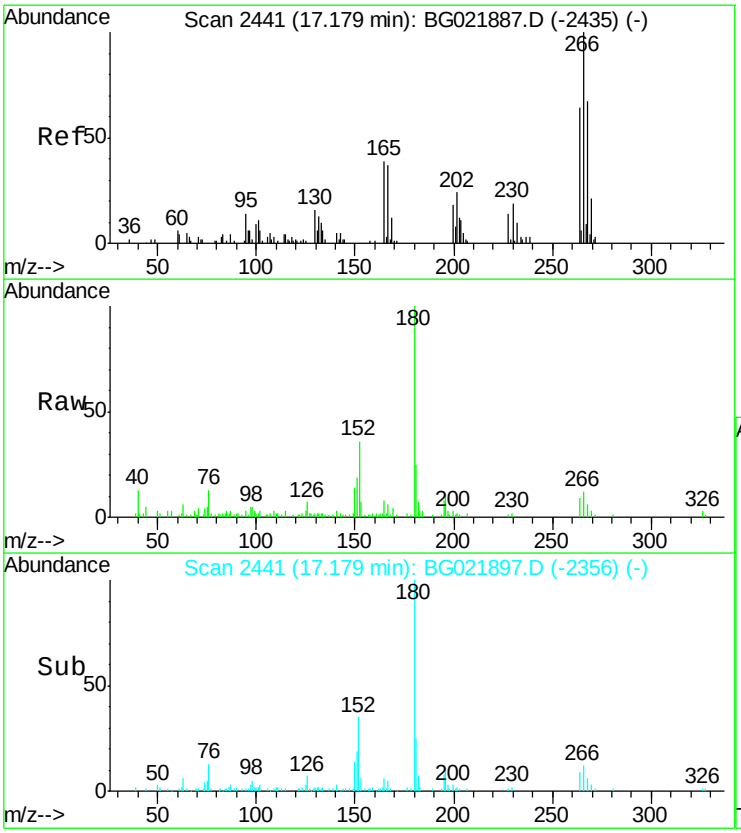
#59
Fluorene
Concen: 2.44 ng/ul
RT: 15.83 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Instrument :
BNA_G
ClientSampleId :
D9XG4

Tgt Ion:166 Resp: 33872

Ion	Ratio	Lower	Upper
166	100		
165	106.4	81.1	121.7
167	17.1	10.6	16.0#

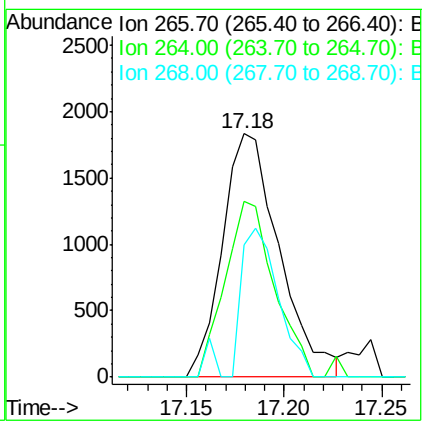


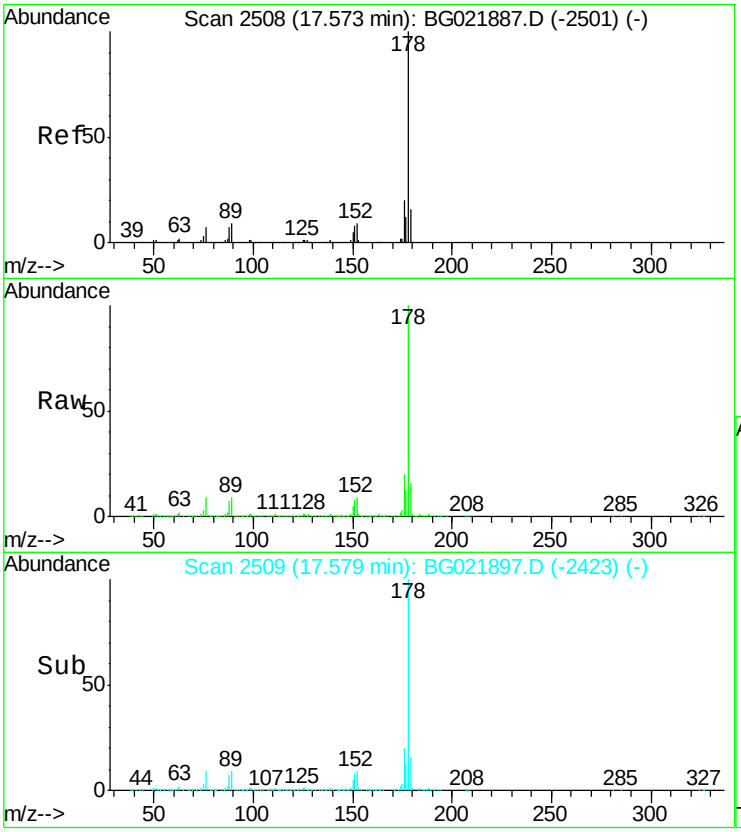


#69
Pentachlorophenol
Concen: 2.13 ng/ul
RT: 17.18 min Scan# 2441
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Tgt Ion:266 Resp: 3708

Ion	Ratio	Lower	Upper
266	100		
264	72.1	56.7	85.1
268	54.3	50.6	76.0



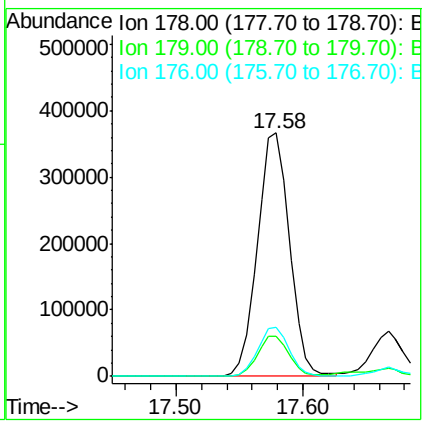


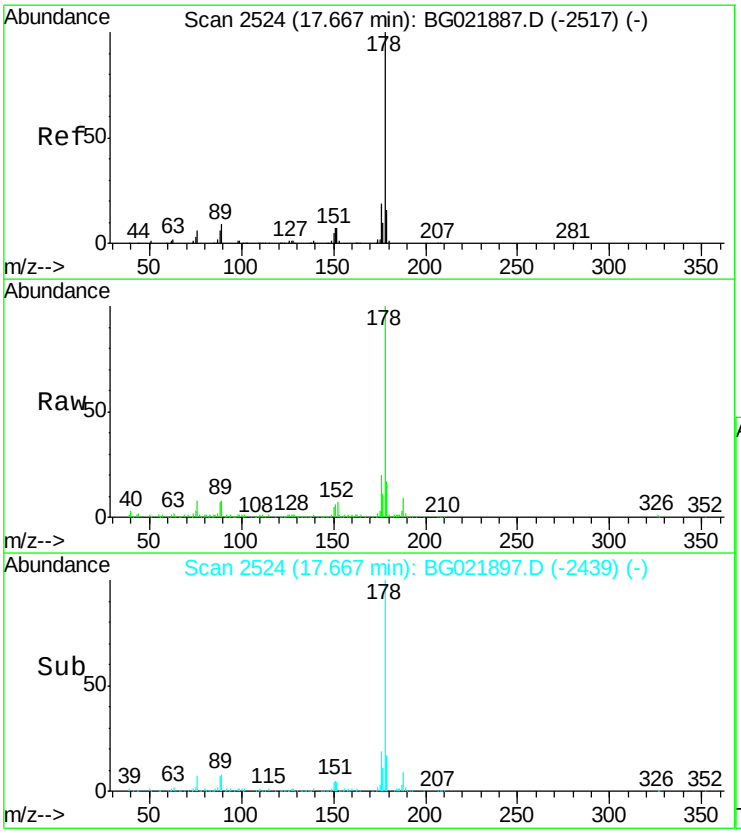
#70
Phenanthrene
Concen: 31.20 ng/ul
RT: 17.58 min Scan# 2509
Delta R.T. 0.01 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Instrument :
BNA_G
ClientSampleId :
D9XG4

Tgt Ion:178 Resp: 645767

Ion	Ratio	Lower	Upper
178	100		
179	16.2	11.8	17.8
176	20.2	14.8	22.2

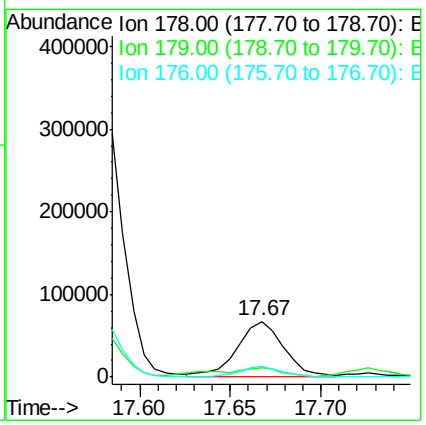


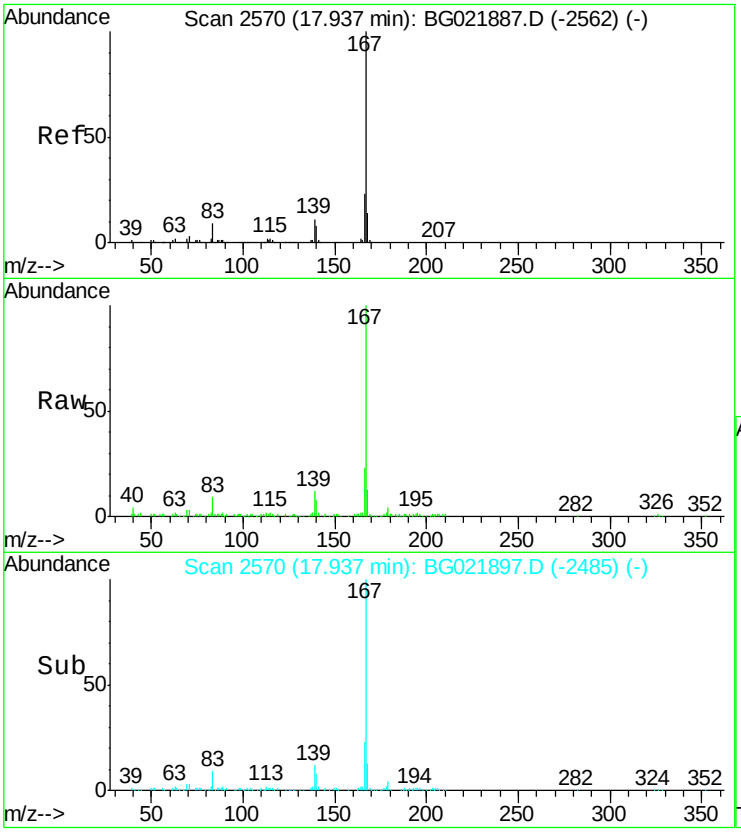


#72
Anthracene
Concen: 5.58 ng/ul
RT: 17.67 min Scan# 2524
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Tgt Ion:178 Resp: 117368

Ion	Ratio	Lower	Upper
178	100		
179	16.9	12.9	19.3
176	19.5	15.6	23.4



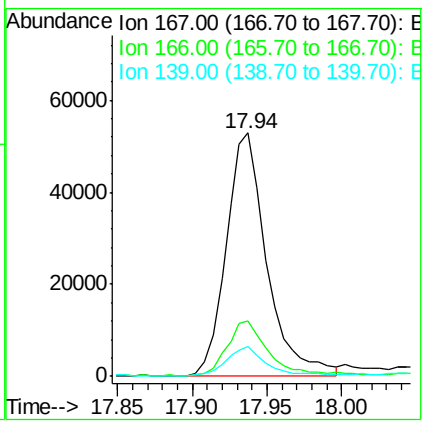


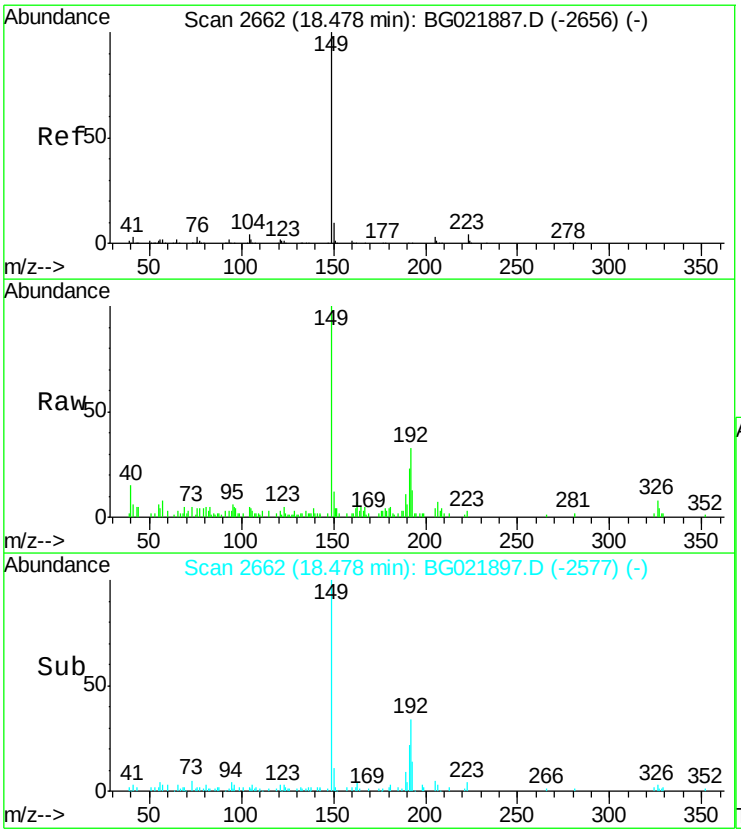
#73
Carbazole
Concen: 5.45 ng/ul
RT: 17.94 min Scan# 2570
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Instrument :
BNA_G
ClientSampleId :
D9XG4

Tgt Ion:167 Resp: 99306

Ion	Ratio	Lower	Upper
167	100		
166	22.9	19.0	28.4
139	12.2	12.2	18.4#

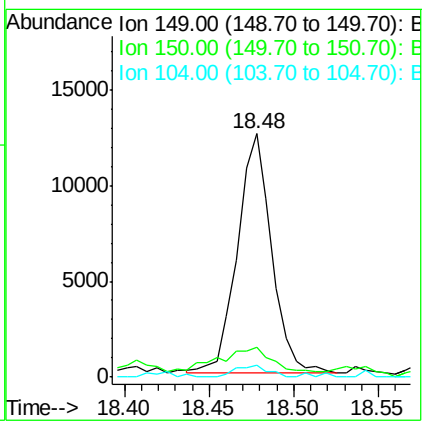


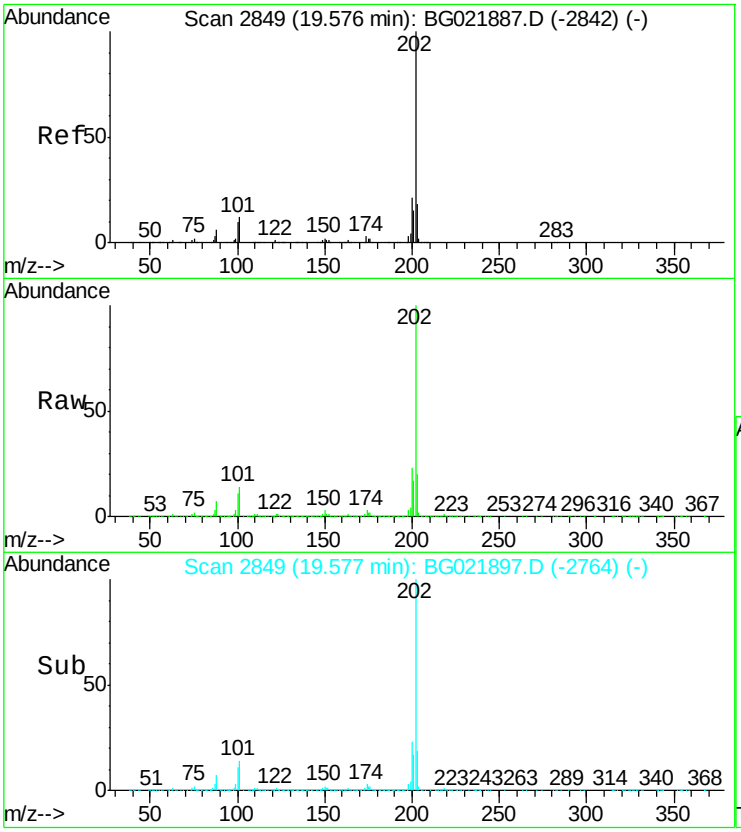


#74
Di-n-butylphthalate
Concen: 1.05 ng/ul
RT: 18.48 min Scan# 2662
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Tgt Ion:149 Resp: 17395

Ion	Ratio	Lower	Upper
149	100		
150	12.5	7.5	11.3#
104	4.9	5.4	8.2#



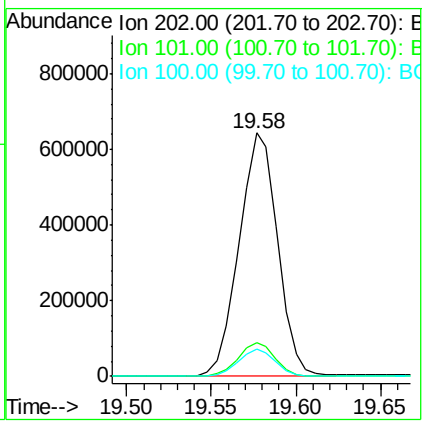


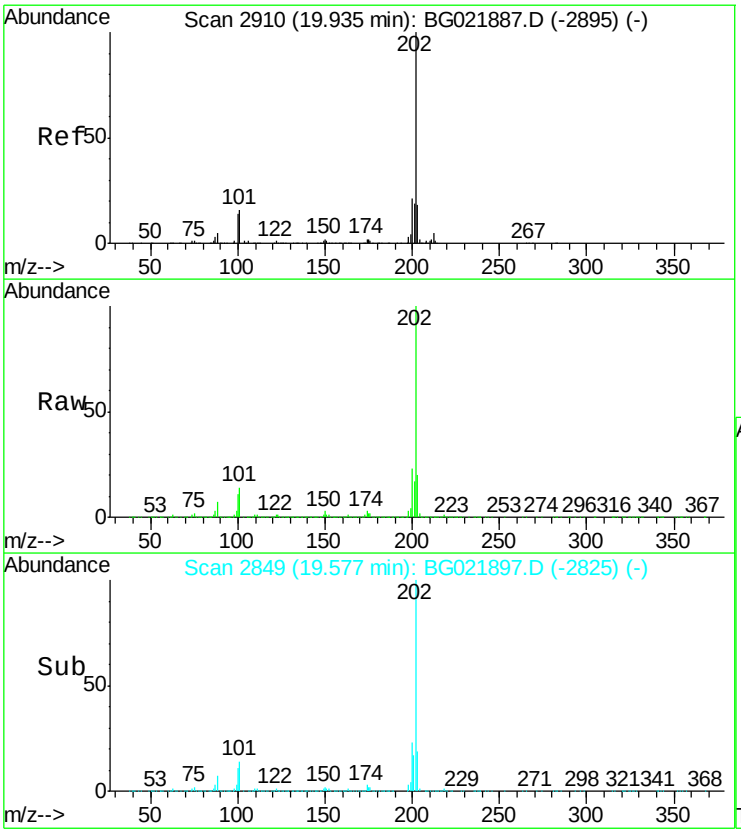
#75
Fluoranthene
Concen: 43.17 ng/ul
RT: 19.58 min Scan# 2849
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Instrument :
BNA_G
ClientSampleId :
D9XG4

Tgt Ion:202 Resp: 1015075

Ion	Ratio	Lower	Upper
202	100		
101	13.9	8.9	13.3#
100	11.2	7.0	10.4#

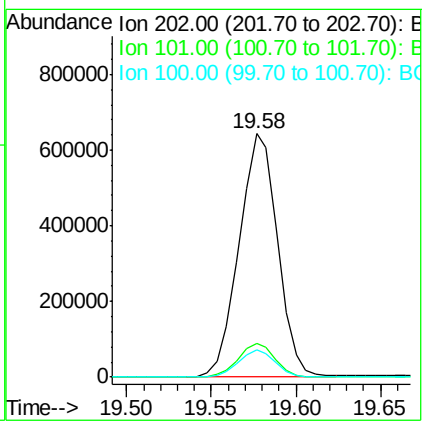


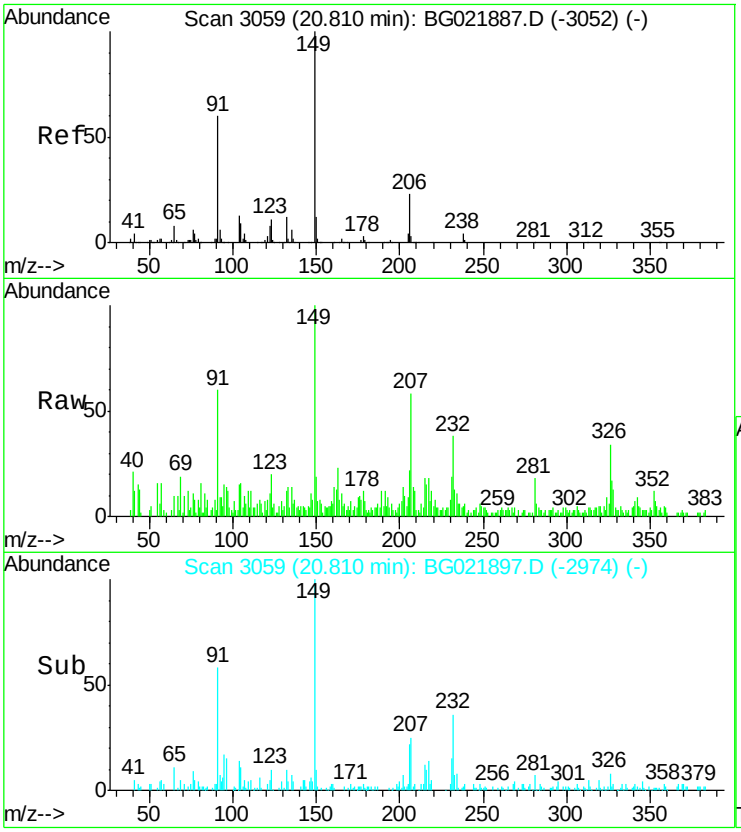


#78
Pyrene
Concen: 45.46 ng/ul
RT: 19.58 min Scan# 2849
Delta R.T. -0.36 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Tgt Ion:202 Resp: 1015343

Ion	Ratio	Lower	Upper
202	100		
101	13.9	9.8	14.8
100	11.2	9.3	13.9



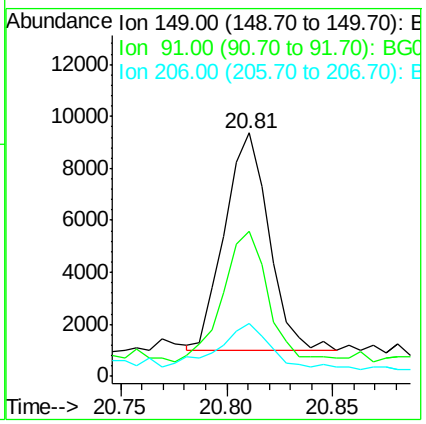


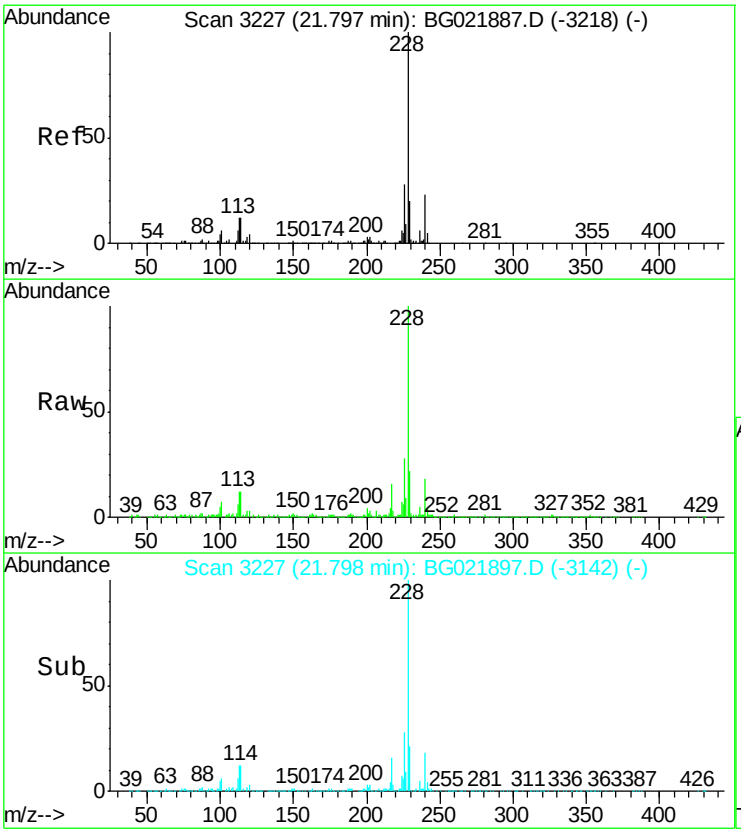
#79
Butylbenzylphthalate
Concen: 2.46 ng/ul
RT: 20.81 min Scan# 3059
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Instrument :
BNA_G
ClientSampleId :
D9XG4

Tgt Ion:149 Resp: 12159

Ion	Ratio	Lower	Upper
149	100		
91	59.7	65.8	98.8#
206	21.9	15.5	23.3

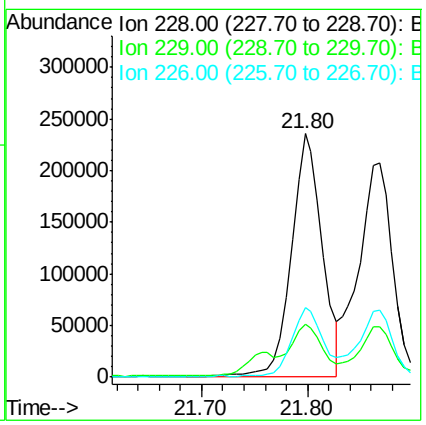


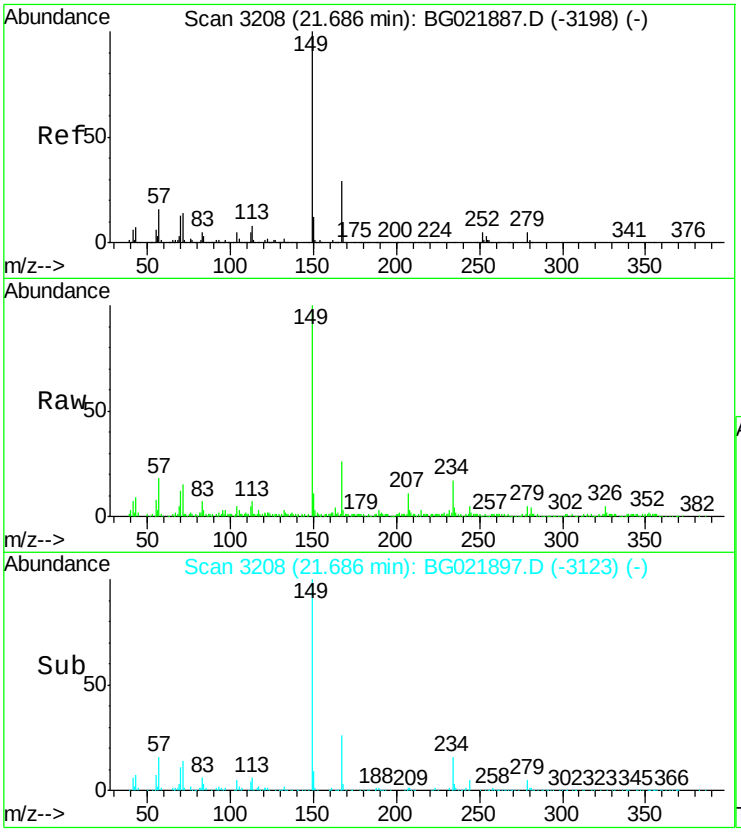


#81
Benzo(a)anthracene
Concen: 22.00 ng/ul
RT: 21.80 min Scan# 3227
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Tgt Ion:228 Resp: 472607

Ion	Ratio	Lower	Upper
228	100		
229	21.8	16.6	25.0
226	28.5	21.0	31.4



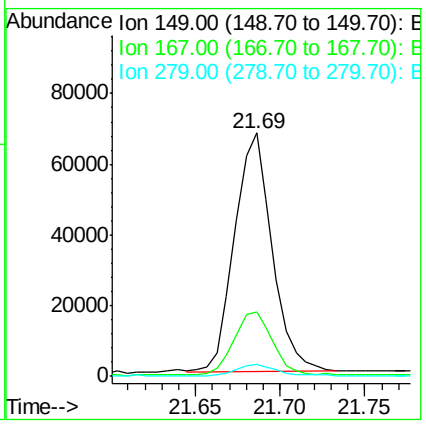


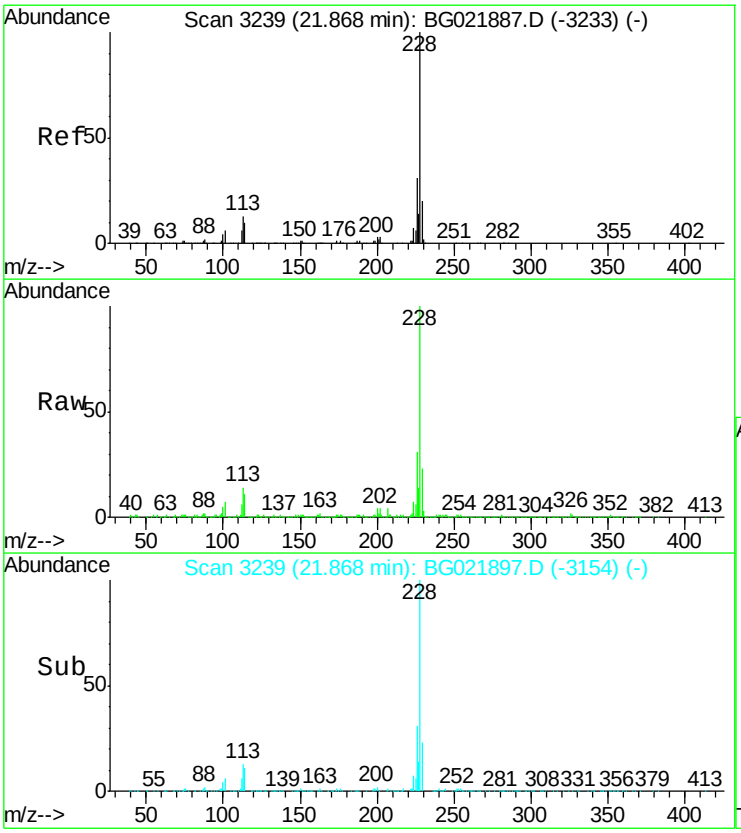
#82
Bis(2-ethylhexyl)phthalate
Concen: 13.01 ng/ul
RT: 21.69 min Scan# 3208
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Instrument :
BNA_G
ClientSampleId :
D9XG4

Tgt Ion:149 Resp: 104846

Ion	Ratio	Lower	Upper
149	100		
167	26.4	20.5	30.7
279	4.9	3.7	5.5

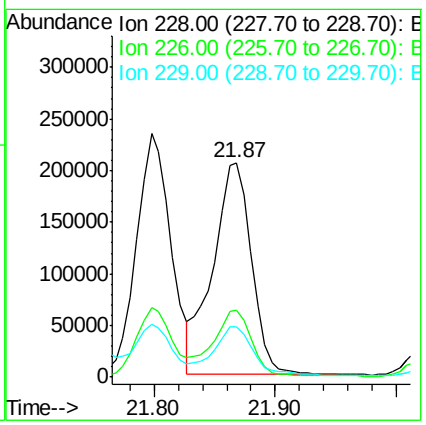


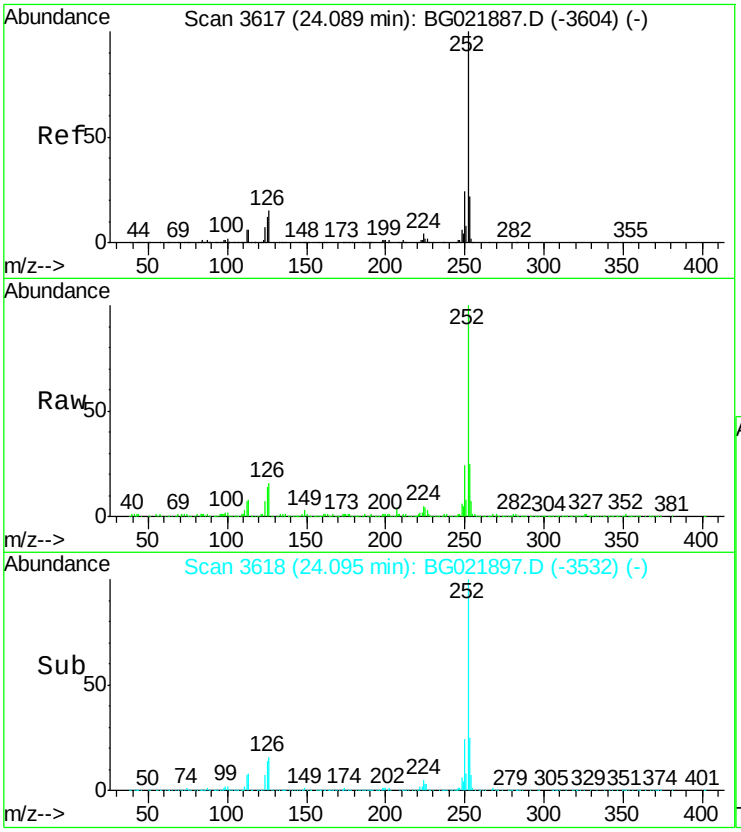


#83
Chrysene
Concen: 21.42 ng/ul
RT: 21.87 min Scan# 3239
Delta R.T. 0.00 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Tgt Ion:228 Resp: 455174

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.4	35.2
229	23.2	16.2	24.2



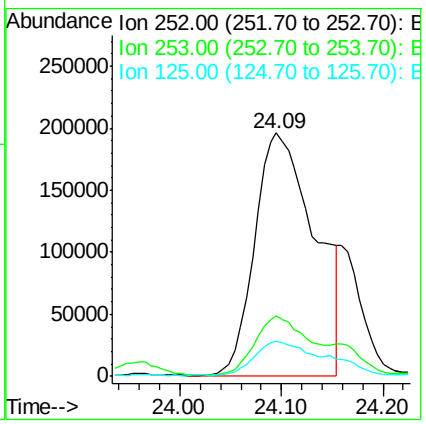


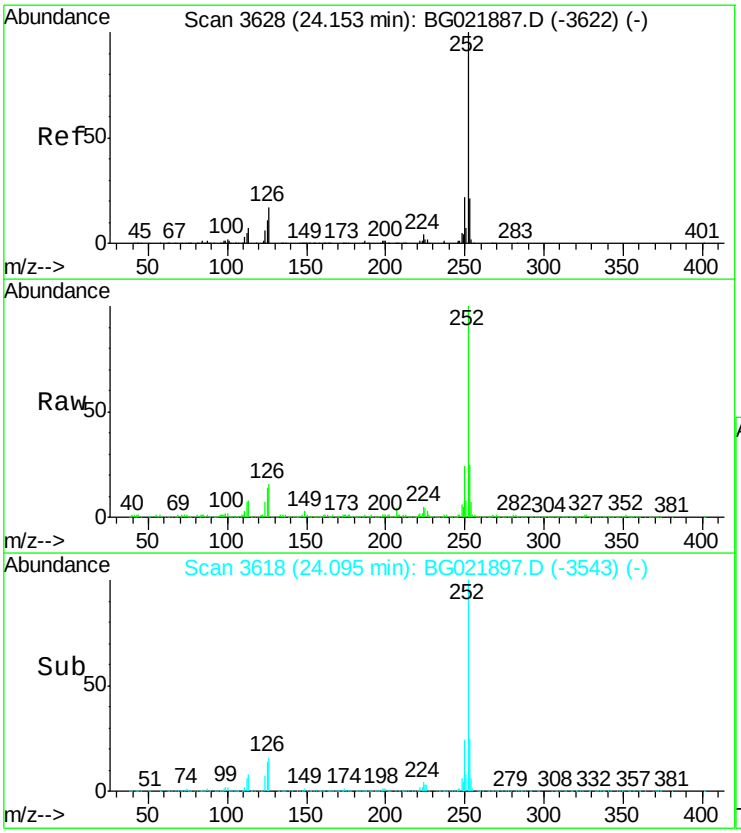
#86
Benzo(b)fluoranthene
Concen: 36.46 ng/ul
RT: 24.09 min Scan# 3618
Delta R.T. 0.01 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Instrument :
BNA_G
ClientSampleId :
D9XG4

Tgt Ion:252 Resp: 804413

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	14.1	7.6	11.4#

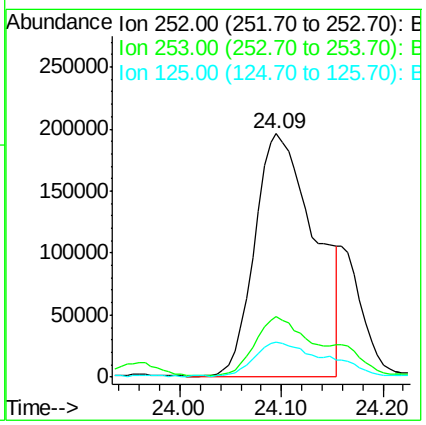


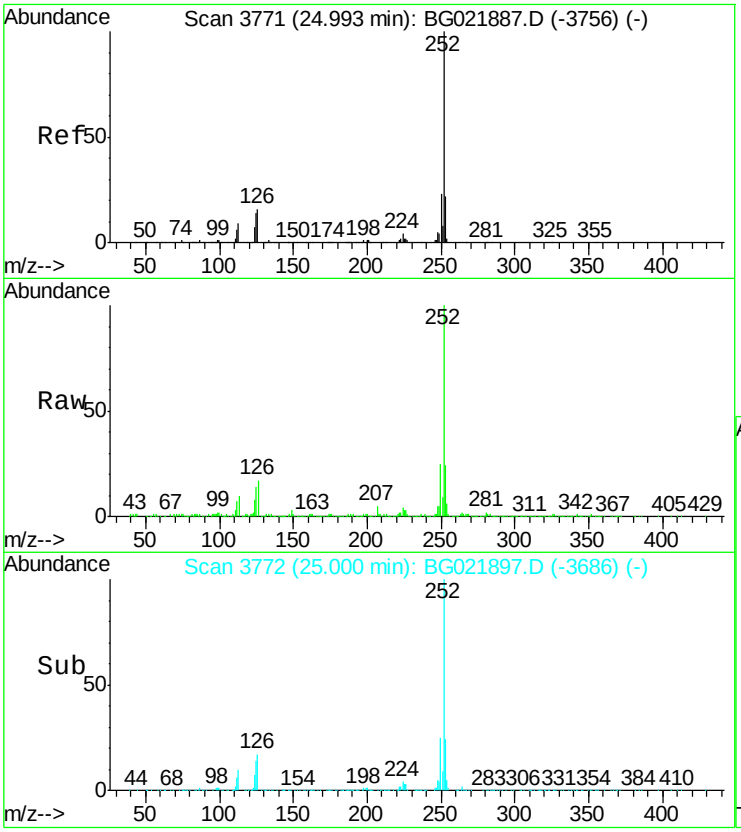


#87
Benzo(k)fluoranthene
Concen: 34.06 ng/ul
RT: 24.09 min Scan# 3618
Delta R.T. -0.06 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Tgt Ion:252 Resp: 804413

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.8
125	14.1	7.7	11.5#



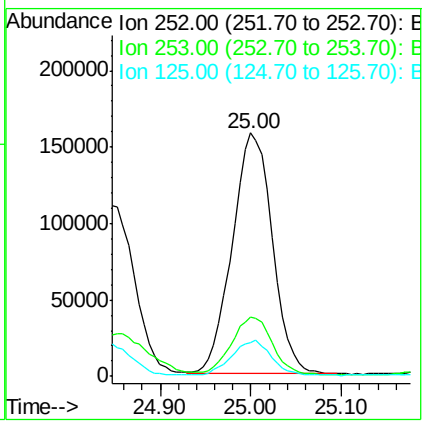


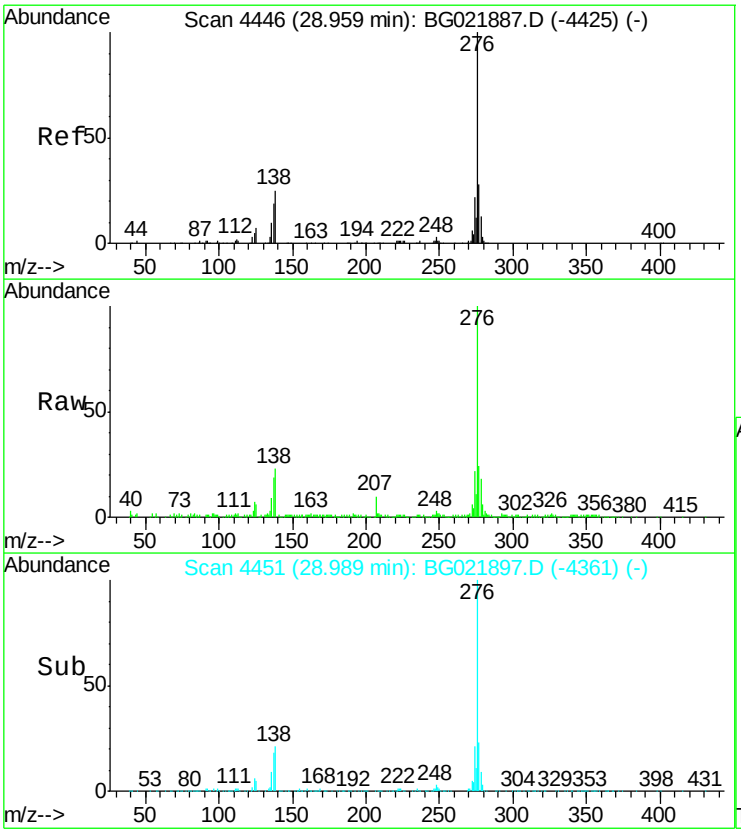
#89
Benzo(a)pyrene
Concen: 22.09 ng/ul
RT: 25.00 min Scan# 3772
Delta R.T. 0.01 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Instrument :
BNA_G
ClientSampleId :
D9XG4

Tgt Ion:252 Resp: 485175

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.0
125	14.1	8.2	12.2#

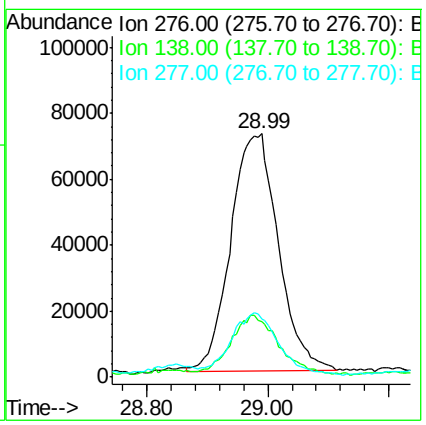


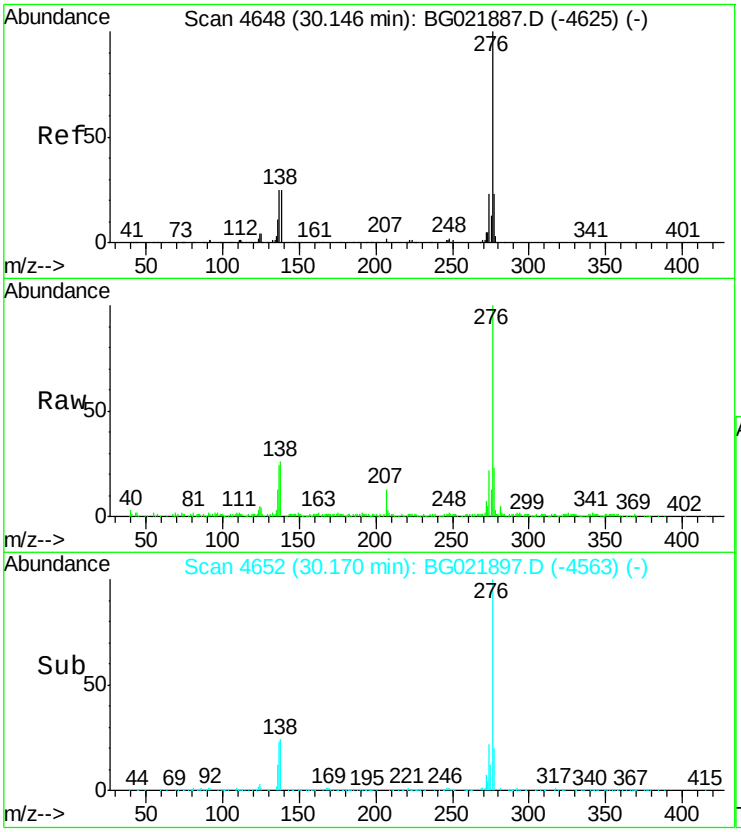


#90
Indeno(1,2,3-cd)pyrene
Concen: 15.05 ng/ul
RT: 28.99 min Scan# 4451
Delta R.T. 0.03 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Tgt Ion:276 Resp: 391704

Ion	Ratio	Lower	Upper
276	100		
138	22.7	15.8	23.6
277	23.8	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 16.82 ng/ul
RT: 30.17 min Scan# 4652
Delta R.T. 0.02 min
Lab File: BG021897.D
Acq: 15 May 2016 17:35

Instrument :
BNA_G
ClientSampleId :
D9XG4

Tgt Ion:276 Resp: 361233

Ion	Ratio	Lower	Upper
276	100		
138	26.3	13.9	20.9#
277	22.8	19.8	29.6