Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

Quant Time: Nov 18 07:25:19 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 18 03:01:13 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	31726	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	139562	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	108666	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	279750	20.00	ng/ul	0.00
78) Chrysene-d12	21.80	240	335491	20.00	ng/ul	0.01
86) Perylene-d12	25.12	264	330394	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.45	96	2344	3.15	ng/uL	0.00
5) Phenol-d5	7.29	99	60895	18.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	41041	19.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	38114	18.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	51183	19.02	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	21049	18.37	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	25459	19.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	53317	19.12	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	47571	17.97	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	192018	19.54	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	199492	18.73	ng/ul	0.00
52) 4-Nitrophenol-d4	14.97	143	27074	17.48	ng/ul	0.00
58) Fluorene-d10	15.77	176	161115	18.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	16433	9.09	ng/ul	0.00
71) Anthracene-d10	17.63	188	258445	19.03	ng/ul	0.00
79) Pyrene-d10	19.90	212	277724	18.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.89	264	298277	17.29	ng/ul	0.01
Target Compounds						Qvalue
6) Phenol	7.32	94	6081	1.73	ng/ul	95
28) Naphthalene	11.03	128	76319	10.12	ng/ul	99
30) 4-Chloroaniline	11.03	127	10421	3.79	ng/ul#	1
34) 2-Methylnaphthalene	12.62	142	10346	1.72	ng/ul	92
35) 1-Methylnaphthalene	12.84	142	6059	1.01	ng/ul#	91
45) Dimethylphthalate	14.22	163	137995	14.16	ng/ul	99
48) Acenaphthylene	14.51	152	62406	5.87	ng/ul#	97
50) Acenaphthene	14.85	153	112286	15.43	ng/ul	96
54) Dibenzofuran	15.18	168	66828	6.26	ng/ul	97
59) Fluorene	15.83	166	134674	14.43	ng/ul	98
70) Phenanthrene	17.57	178	1317606	88.01	ng/ul	95
72) Anthracene	17.66	178	434429	28.78	ng/ul	99
75) Carbazole	17.92	167	24849	2.05	ng/ul	96
77) Fluoranthene	19.72	202	325376	17.05	ng/ul	98
80) Pyrene	19.94	202	2118344	108.11	ng/ul#	92
83) Benzo(a)anthracene	21.78	228	1402655	68.98	ng/ul	90
85) Chrysene	21.85	228	1109976	57.98	ng/ul	96
88) Benzo(b)fluoranthene	24.07	252	1232746	60.55	ng/ul#	95
89) Benzo(k)fluoranthene	24.07	252	1232746	62.77	ng/ul	95
91) Benzo(a)pyrene	24.98	252	1068475	54.51	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.94	276	601734	27.43	ng/ul	94
93) Dibenzo(a,h)anthracene	28.97	278	79890	4.43	ng/ul#	85
94) Benzo(g,h,i)perylene	30.14	276	467536	25.69	ng/ul	98

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BC7D1

Quant Time: Nov 18 07:25:19 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 18 03:01:13 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\BG111715\
Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
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ALS Vial : 23 Sample Multiplier: 1

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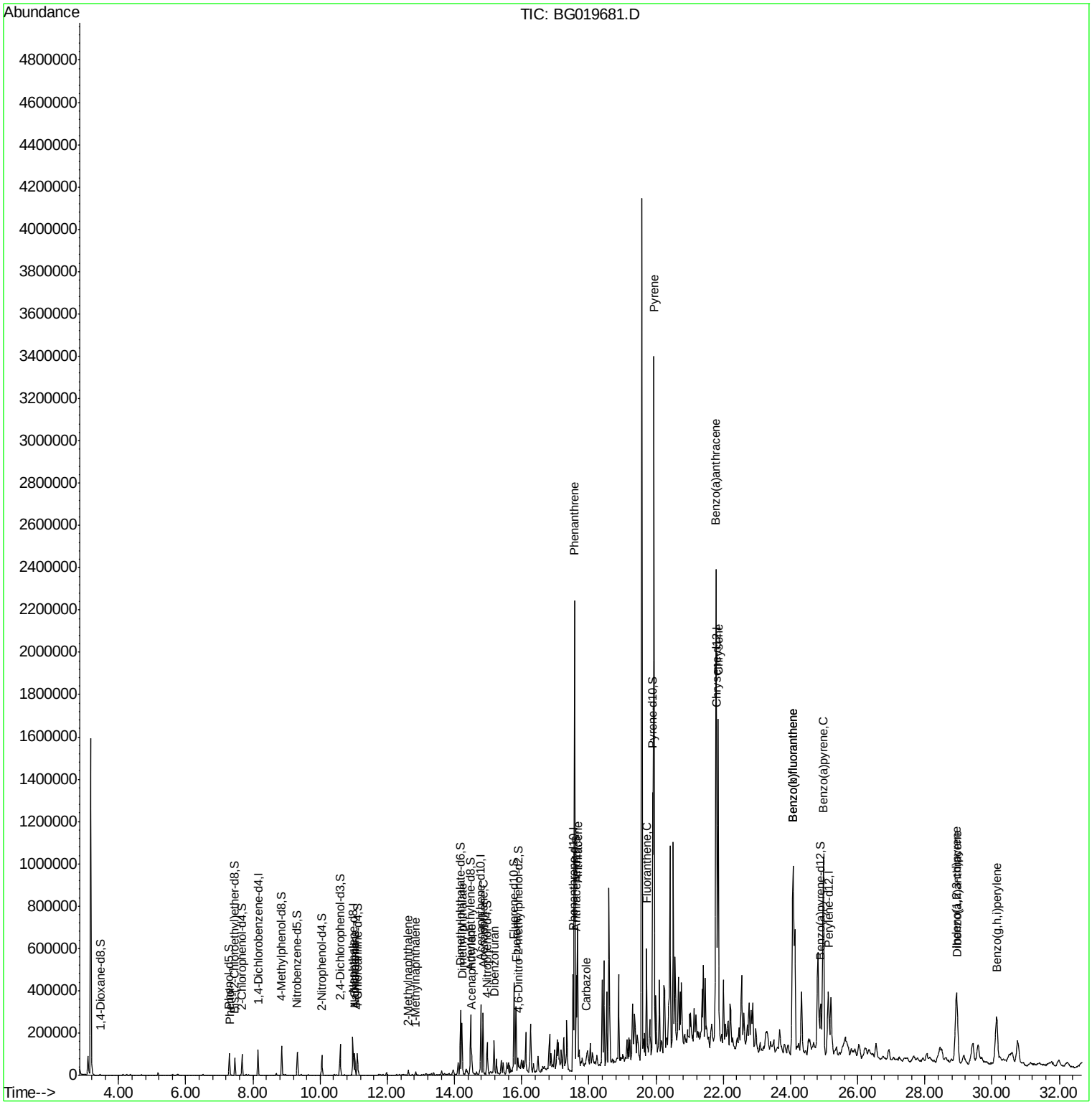
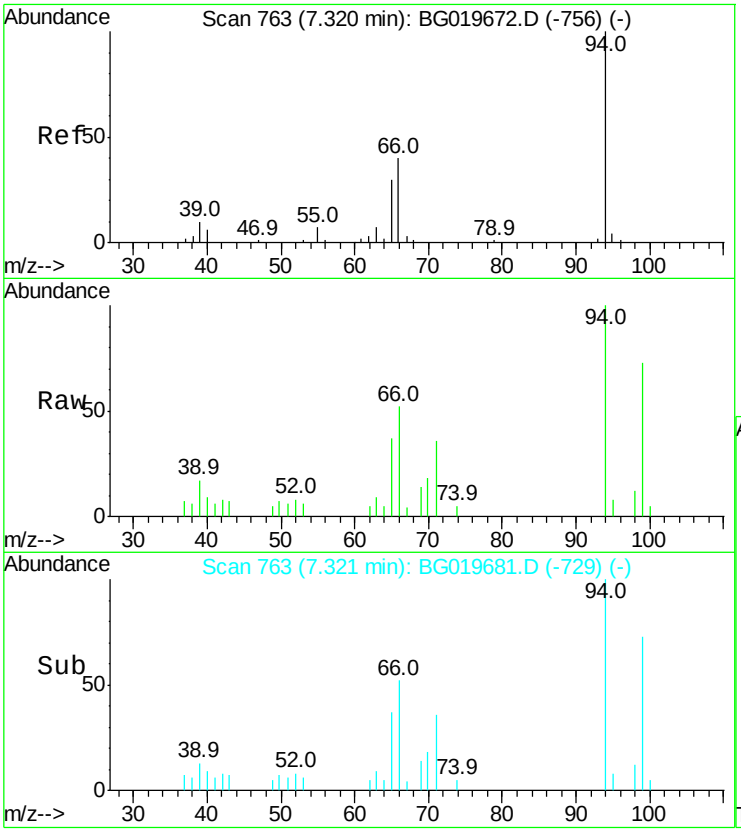
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 18 03:01:13 2015
Response via : Initial Calibration



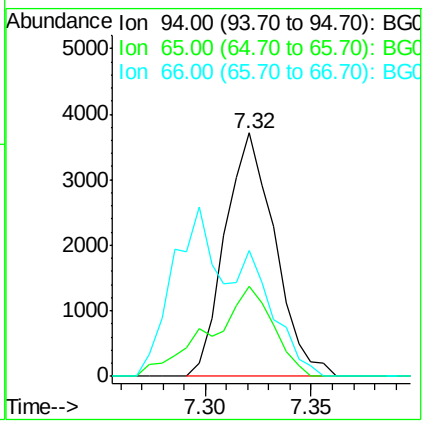


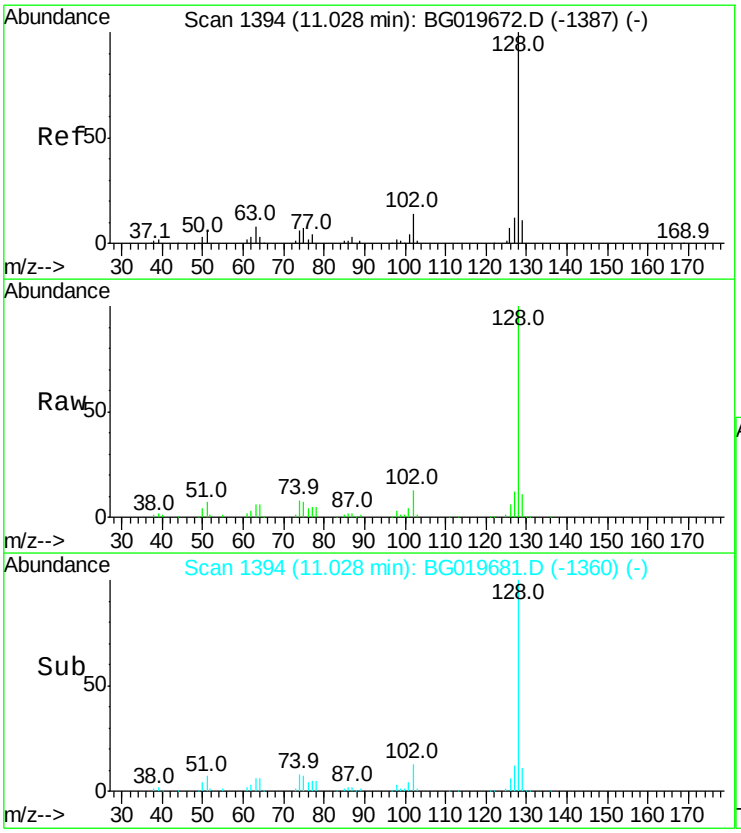
#6
Phenol
Concen: 1.73 ng/ul
RT: 7.32 min Scan# 763
Delta R.T. 0.00 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

Tgt Ion: 94 Resp: 6081

Ion	Ratio	Lower	Upper
94	100		
65	37.2	27.4	41.0
66	52.0	39.0	58.6

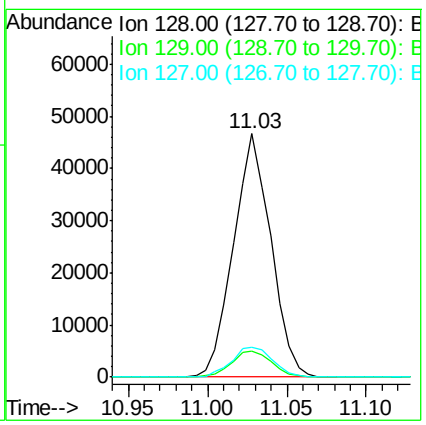


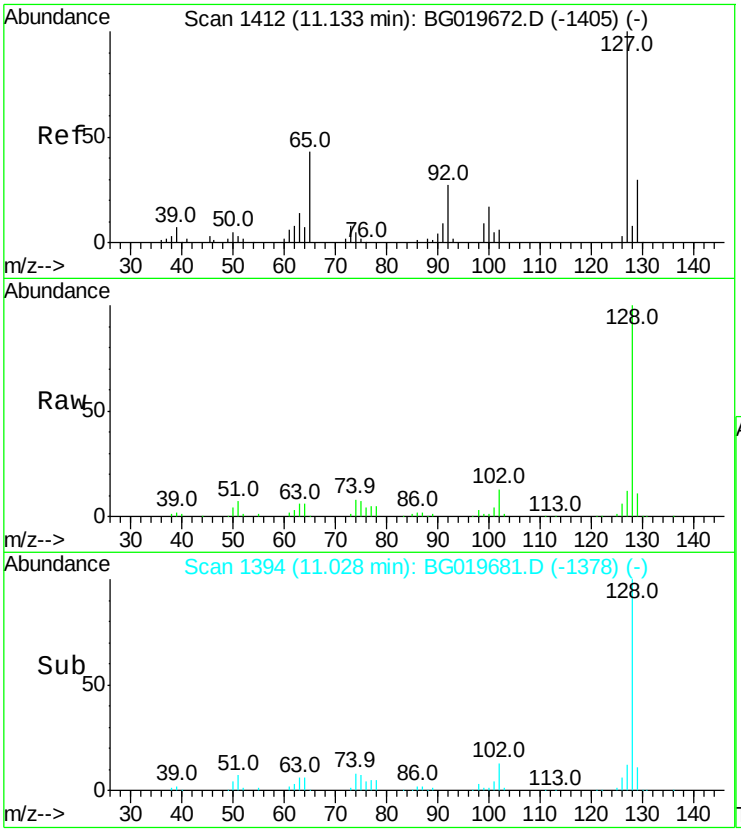


#28
Naphthalene
Concen: 10.12 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. 0.00 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:128 Resp: 76319

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.1	12.1
127	12.5	10.0	15.0



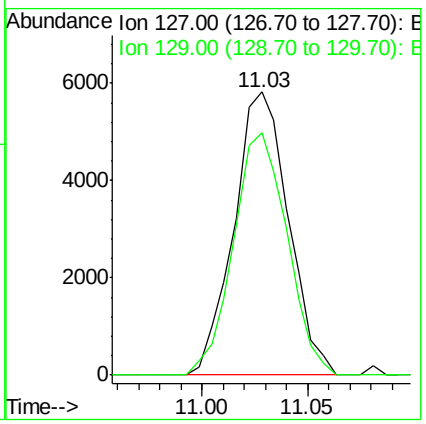


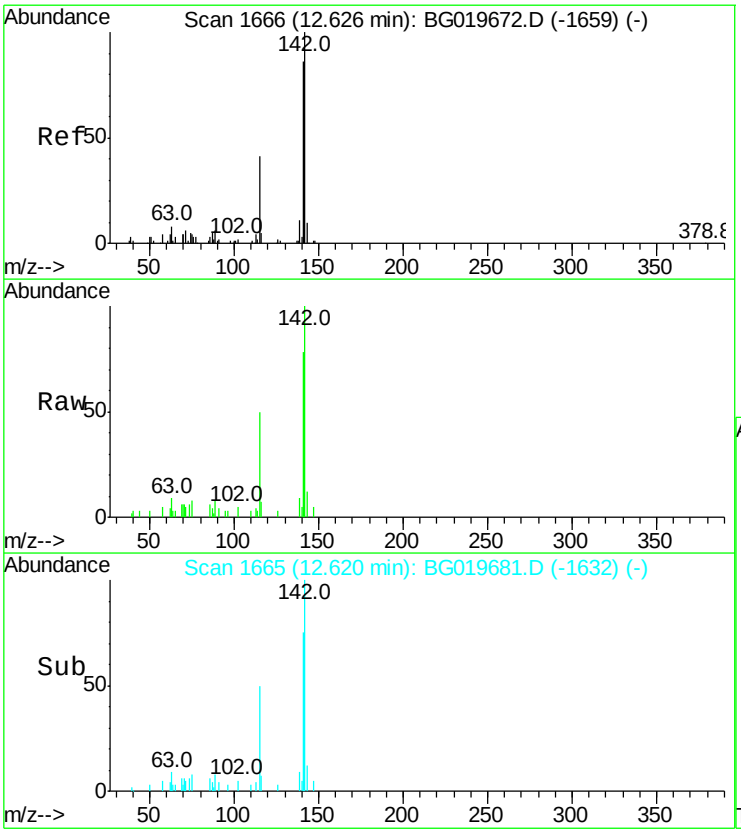
#30
4-Chloroaniline
Concen: 3.79 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.11 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

Tgt Ion:127 Resp: 10421

Ion	Ratio	Lower	Upper
127	100		
129	85.5	24.2	36.4#

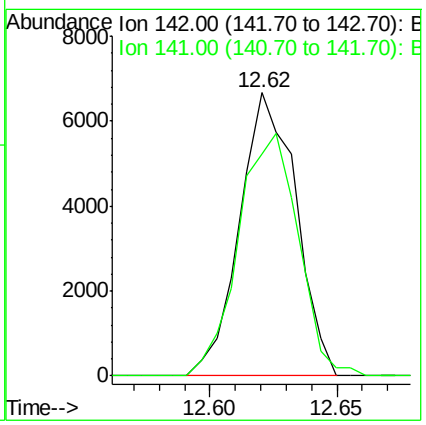


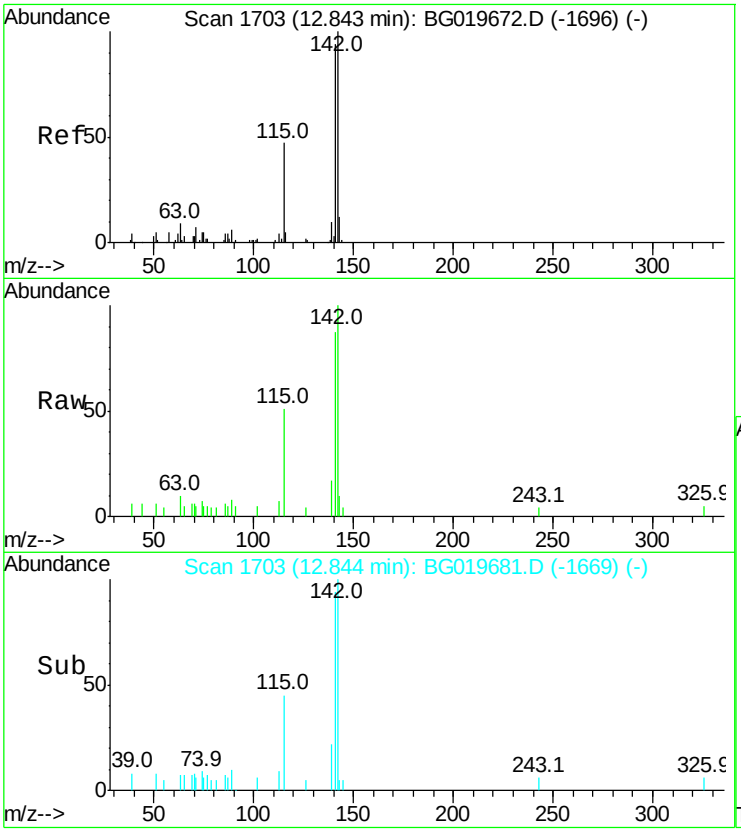


#34
2-Methylnaphthalene
Concen: 1.72 ng/ul
RT: 12.62 min Scan# 1665
Delta R.T. -0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:142 Resp: 10346

Ion	Ratio	Lower	Upper
142	100		
141	78.5	68.8	103.2



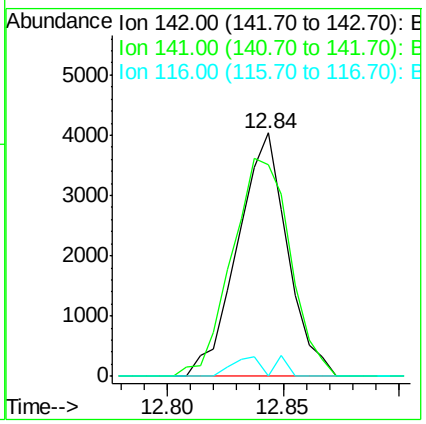


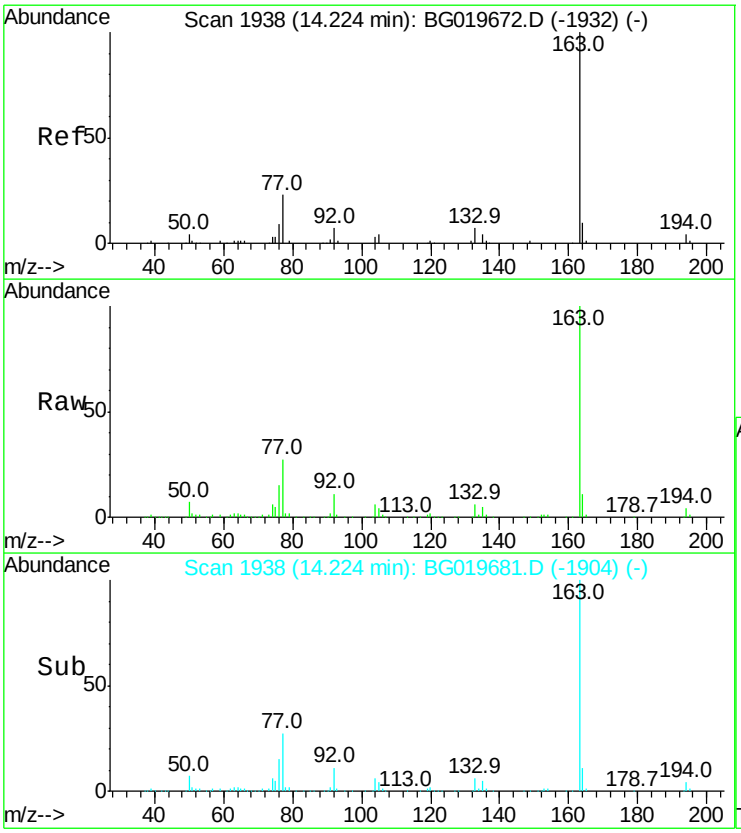
#35
1-Methylnaphthalene
Concen: 1.01 ng/ul
RT: 12.84 min Scan# 1703
Delta R.T. 0.00 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

Tgt Ion:142 Resp: 6059

Ion	Ratio	Lower	Upper
142	100		
141	87.1	76.6	114.8
116	0.0	4.1	6.1#

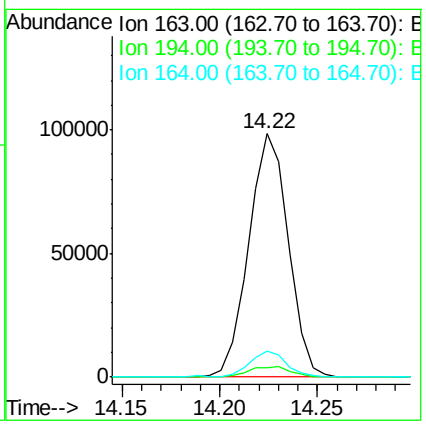


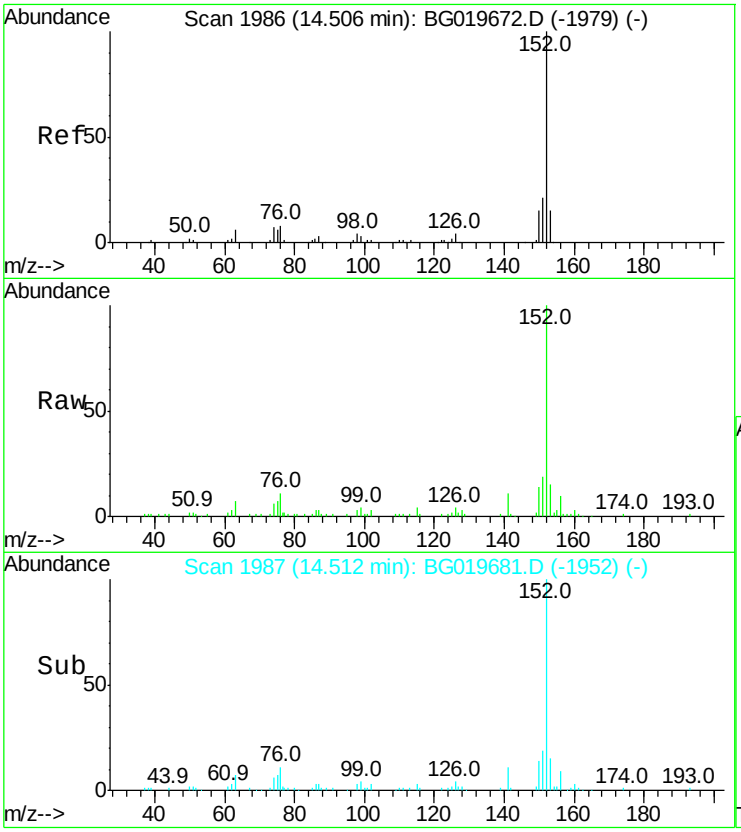


#45
Dimethylphthalate
Concen: 14.16 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:163 Resp: 137995

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.8	8.3	12.5



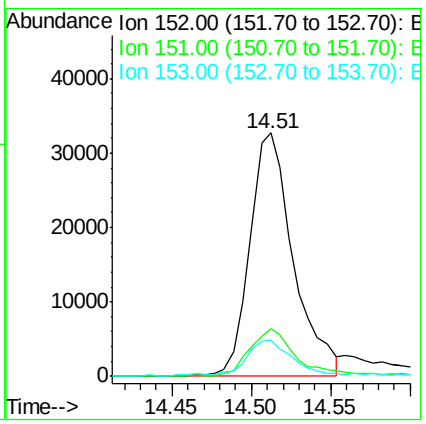


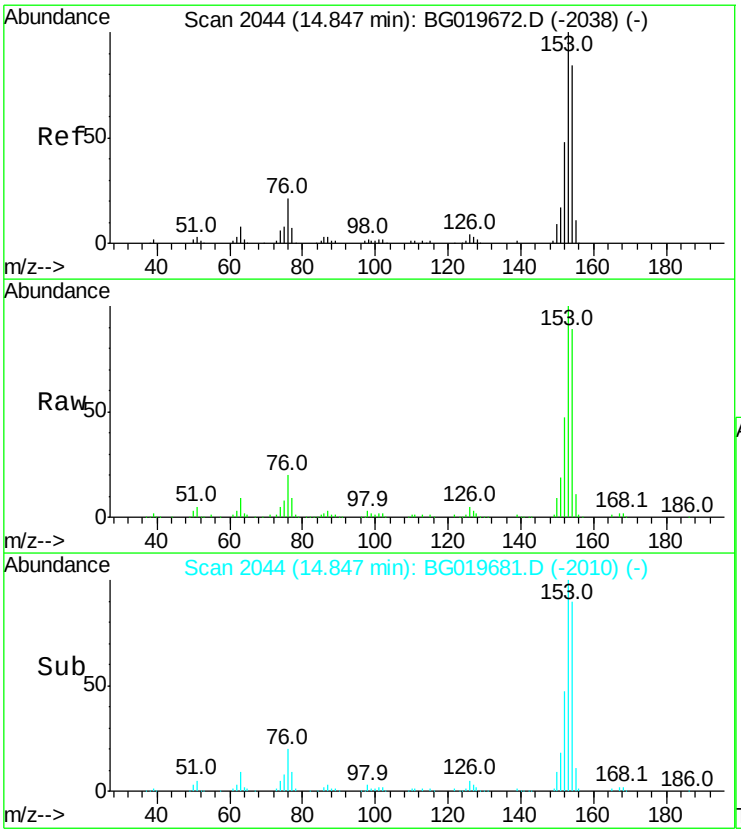
#48
Acenaphthylene
Concen: 5.87 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. 0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

Tgt Ion:152 Resp: 62406

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.1	22.7
153	14.9	9.8	14.8#

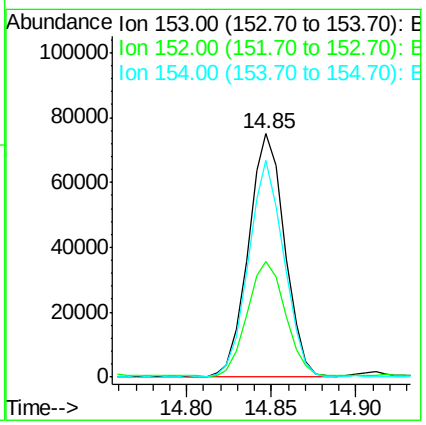


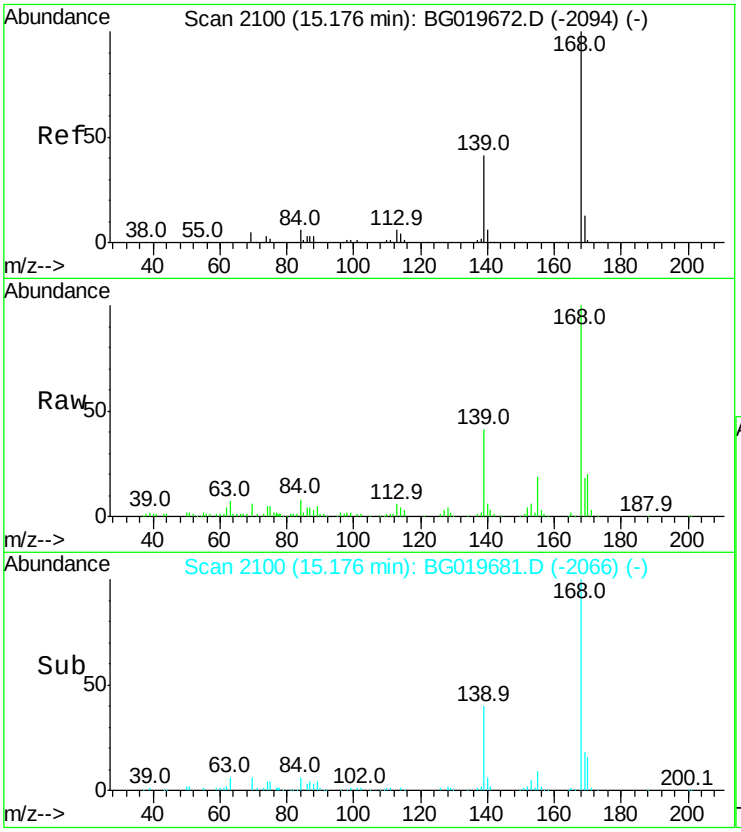


#50
Acenaphthene
Concen: 15.43 ng/ul
RT: 14.85 min Scan# 2044
Delta R.T. 0.00 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:153 Resp: 112286

Ion	Ratio	Lower	Upper
153	100		
152	47.5	40.9	61.3
154	89.1	69.1	103.7



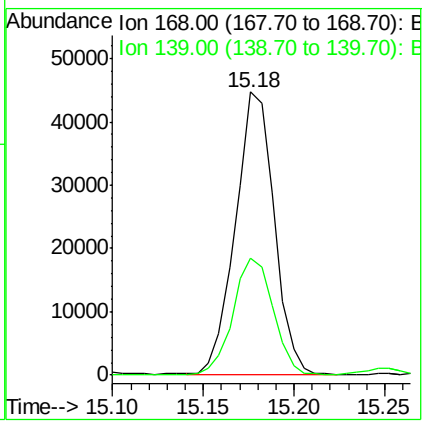


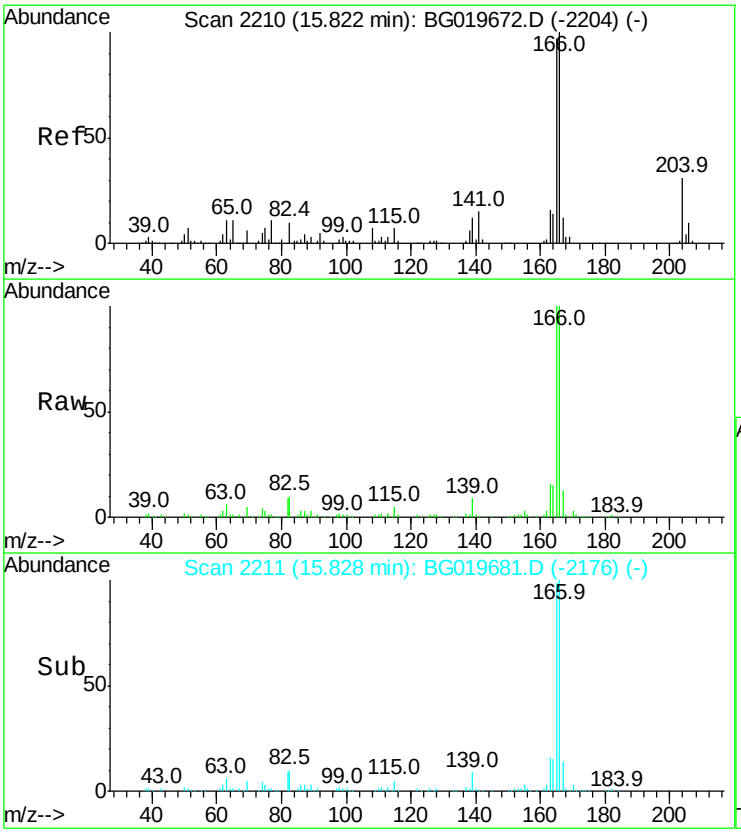
#54
Dibenzofuran
Concen: 6.26 ng/ul
RT: 15.18 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

Tgt Ion:168 Resp: 66828

Ion	Ratio	Lower	Upper
168	100		
139	41.2	34.7	52.1

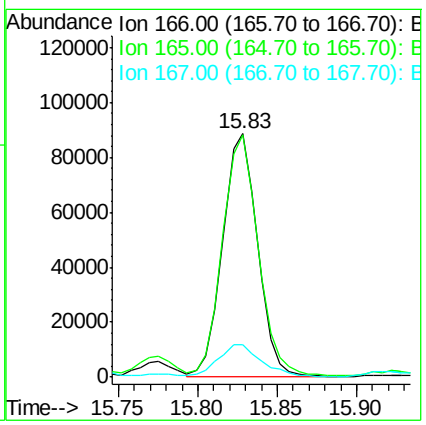


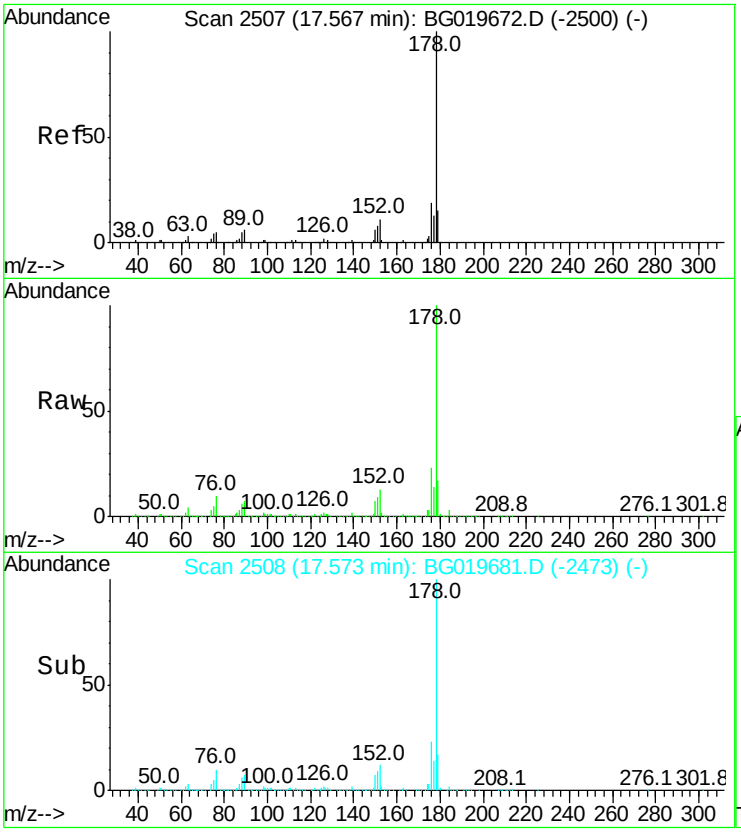


#59
Fluorene
Concen: 14.43 ng/ul
RT: 15.83 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:166 Resp: 134674

Ion	Ratio	Lower	Upper
166	100		
165	99.6	81.4	122.2
167	13.5	11.1	16.7



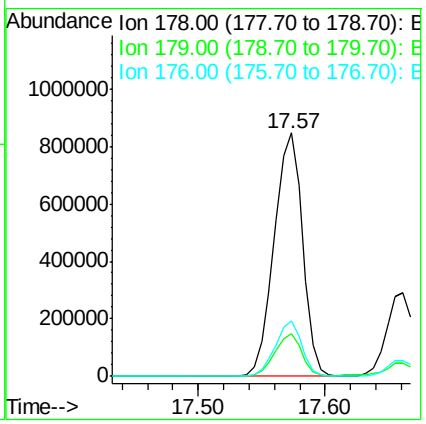


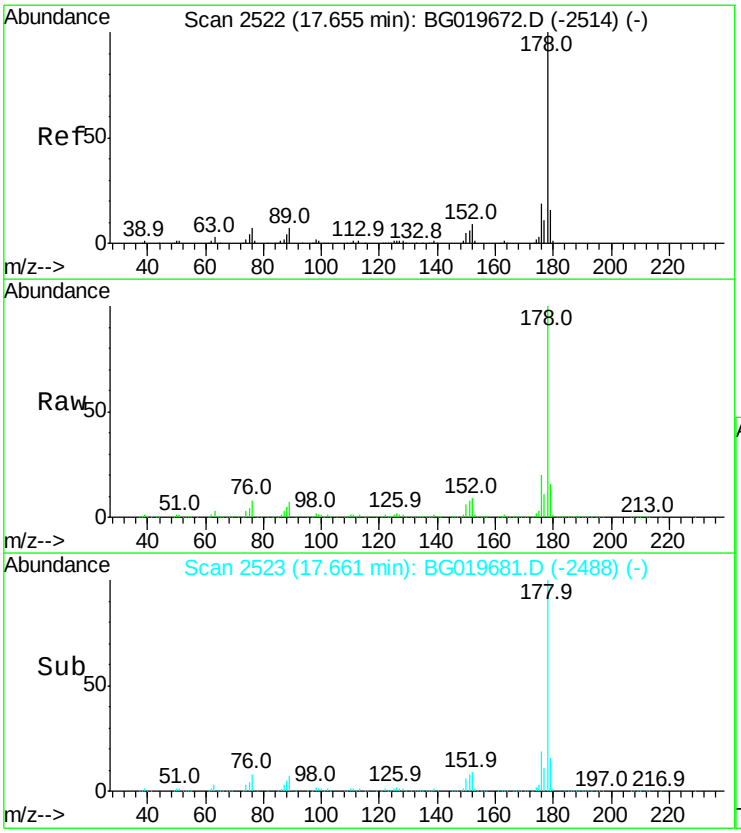
#70
Phenanthrene
Concen: 88.01 ng/ul
RT: 17.57 min Scan# 2508
Delta R.T. 0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

Tgt Ion:178 Resp: 1317606

Ion	Ratio	Lower	Upper
178	100		
179	17.5	12.2	18.2
176	22.7	16.6	24.8

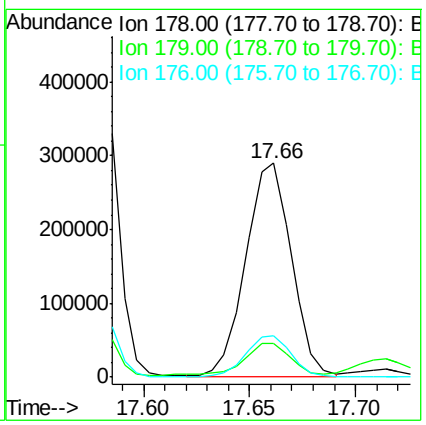


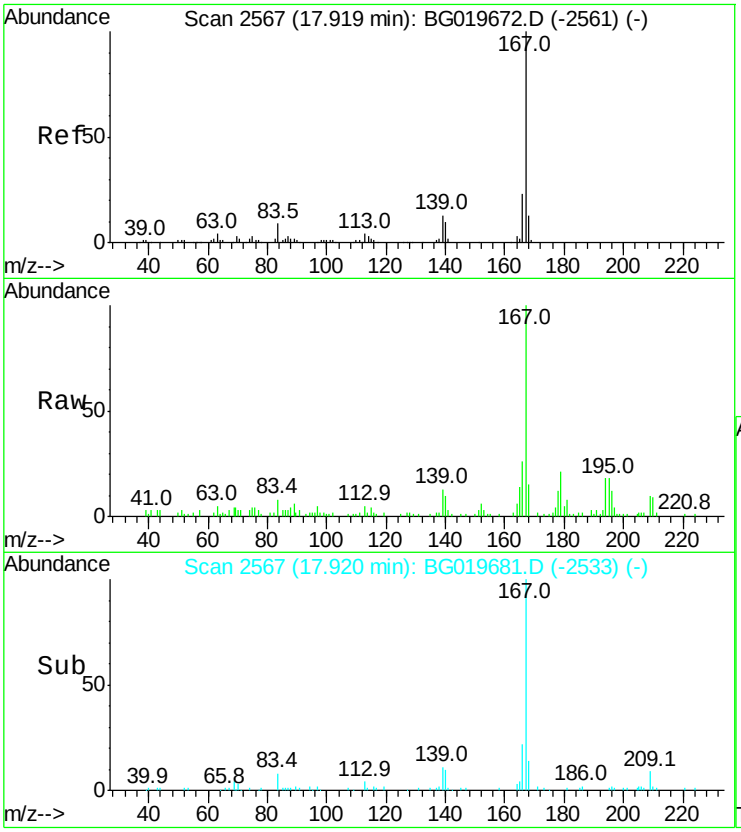


#72
Anthracene
Concen: 28.78 ng/ul
RT: 17.66 min Scan# 2523
Delta R.T. 0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:178 Resp: 434429

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	19.5	15.0	22.4



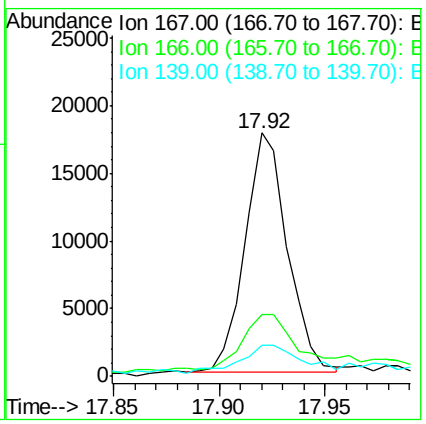


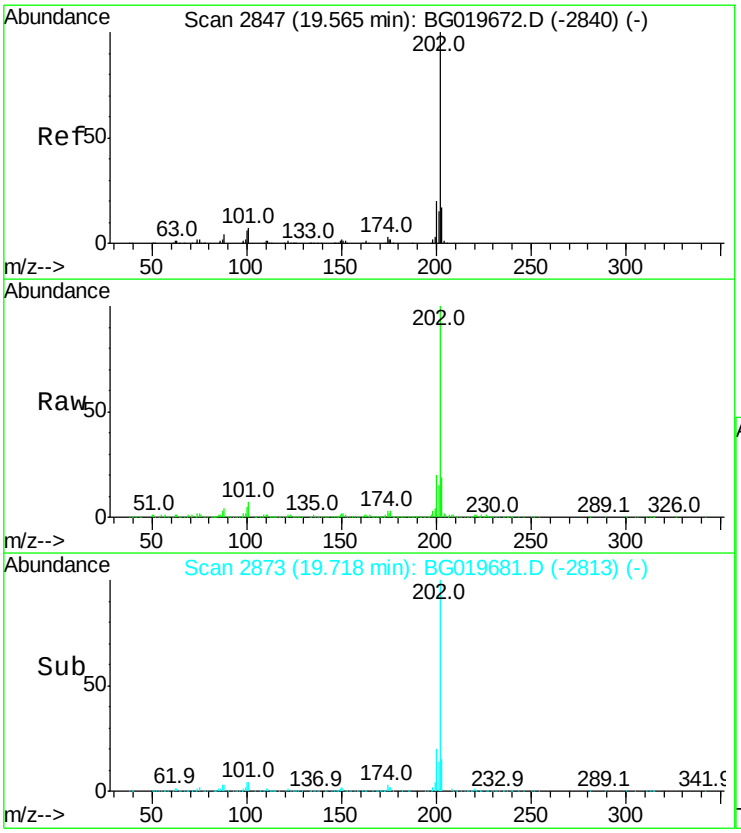
#75
Carbazole
Concen: 2.05 ng/ul
RT: 17.92 min Scan# 2567
Delta R.T. 0.00 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

Tgt Ion:167 Resp: 24849

Ion	Ratio	Lower	Upper
167	100		
166	25.5	18.1	27.1
139	12.7	9.8	14.6

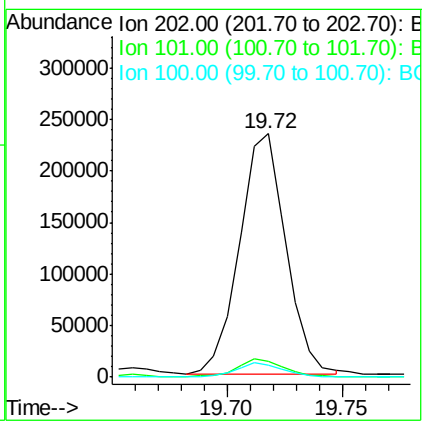


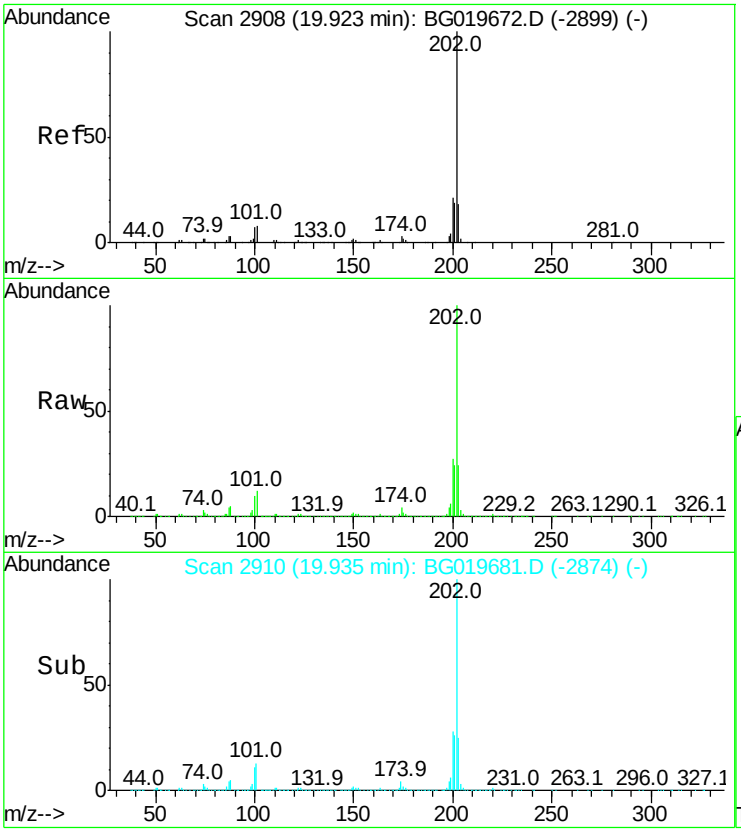


#77
Fluoranthene
Concen: 17.05 ng/ul
RT: 19.72 min Scan# 2873
Delta R.T. 0.15 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:202 Resp: 325376

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.2	7.8
100	5.0	5.0	7.4



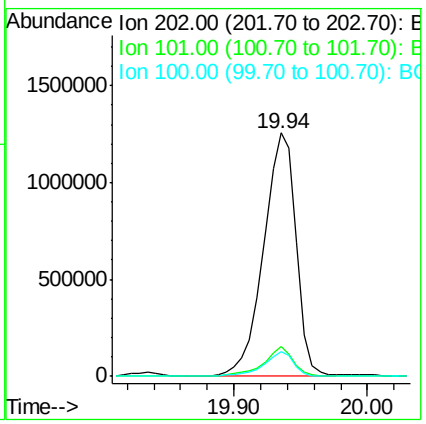


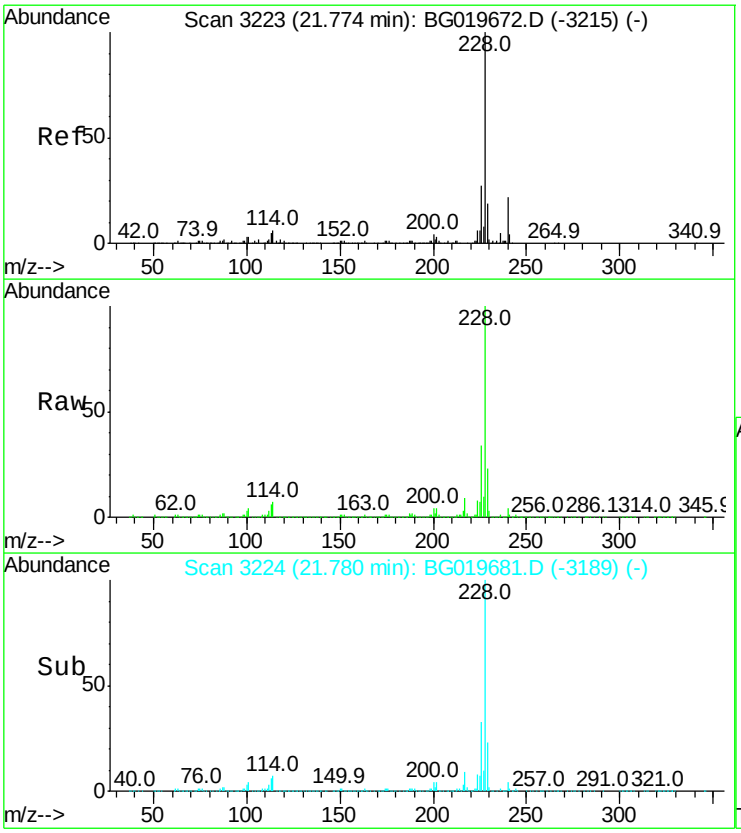
#80
Pyrene
Concen: 108.11 ng/ul
RT: 19.94 min Scan# 2910
Delta R.T. 0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

Tgt Ion:202 Resp: 2118344

Ion	Ratio	Lower	Upper
202	100		
101	12.2	7.0	10.6#
100	10.2	6.6	10.0#

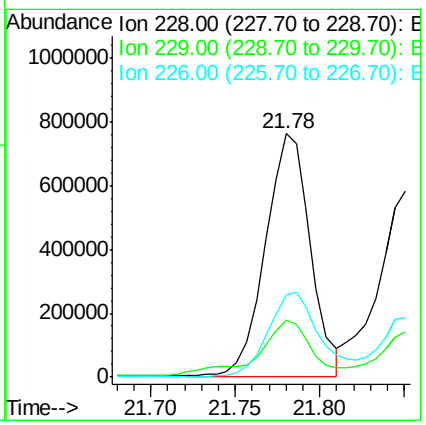


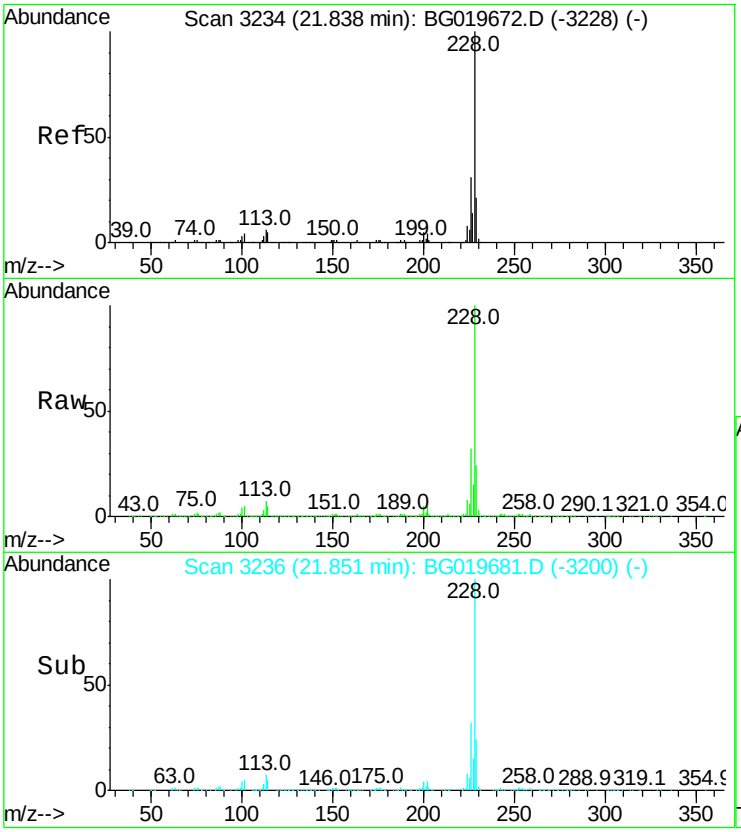


#83
Benzo(a)anthracene
Concen: 68.98 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:228 Resp: 1402655

Ion	Ratio	Lower	Upper
228	100		
229	23.3	15.7	23.5
226	33.7	22.6	33.8



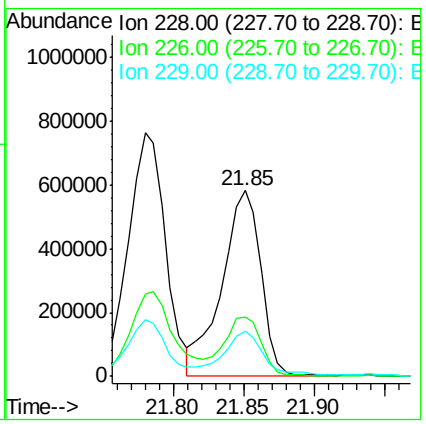


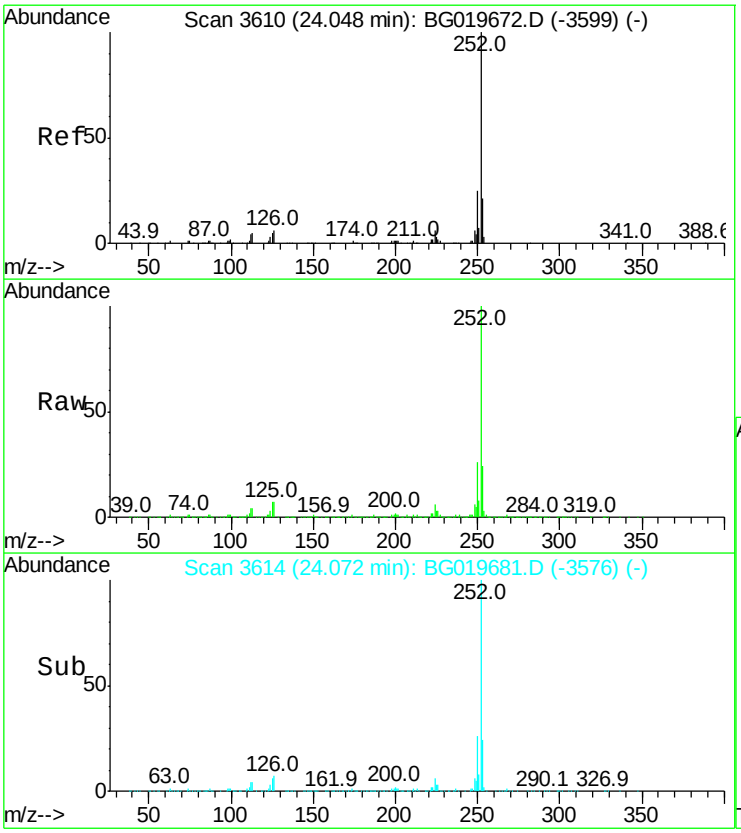
#85
Chrysene
Concen: 57.98 ng/ul
RT: 21.85 min Scan# 3236
Delta R.T. 0.01 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

Tgt Ion:228 Resp: 1109976

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.9	37.3
229	24.2	17.0	25.6

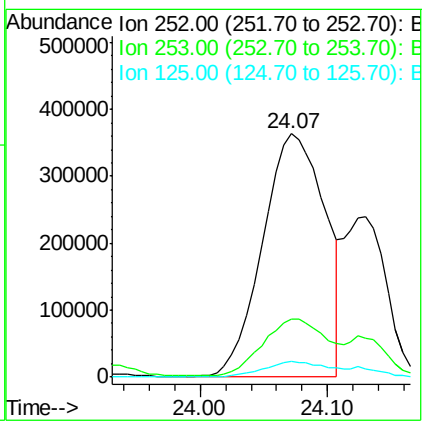


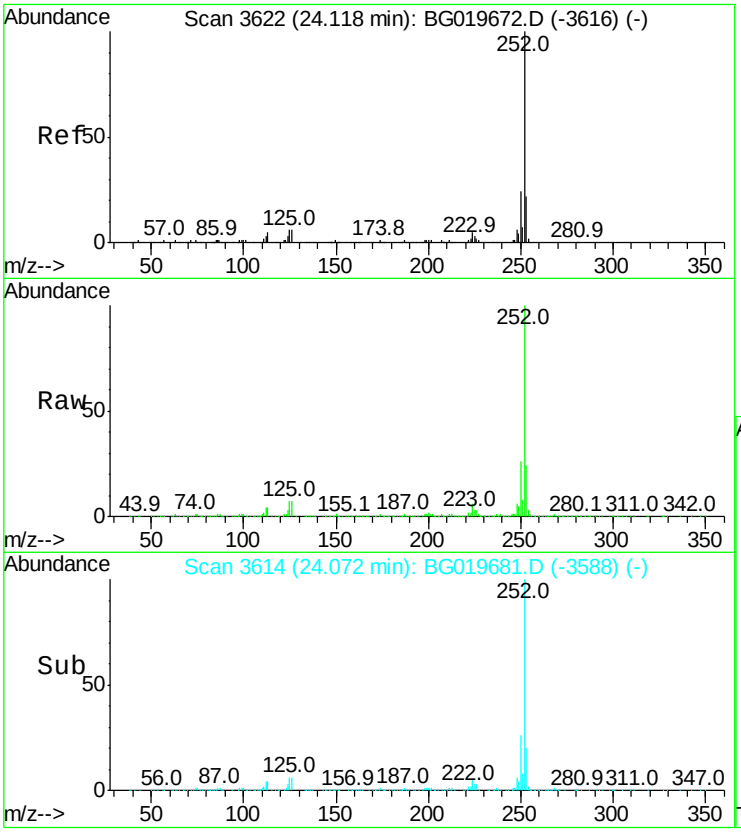


#88
Benzo(b)fluoranthene
Concen: 60.55 ng/ul
RT: 24.07 min Scan# 3614
Delta R.T. 0.02 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:252 Resp: 1232746

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	6.5	4.2	6.4#



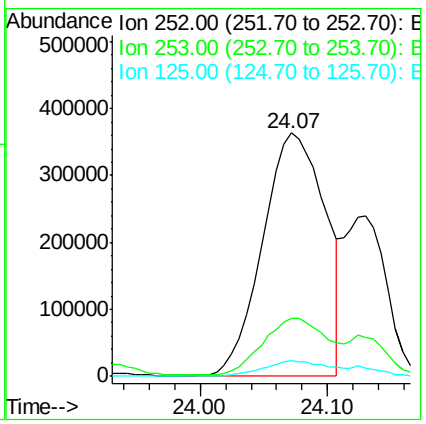


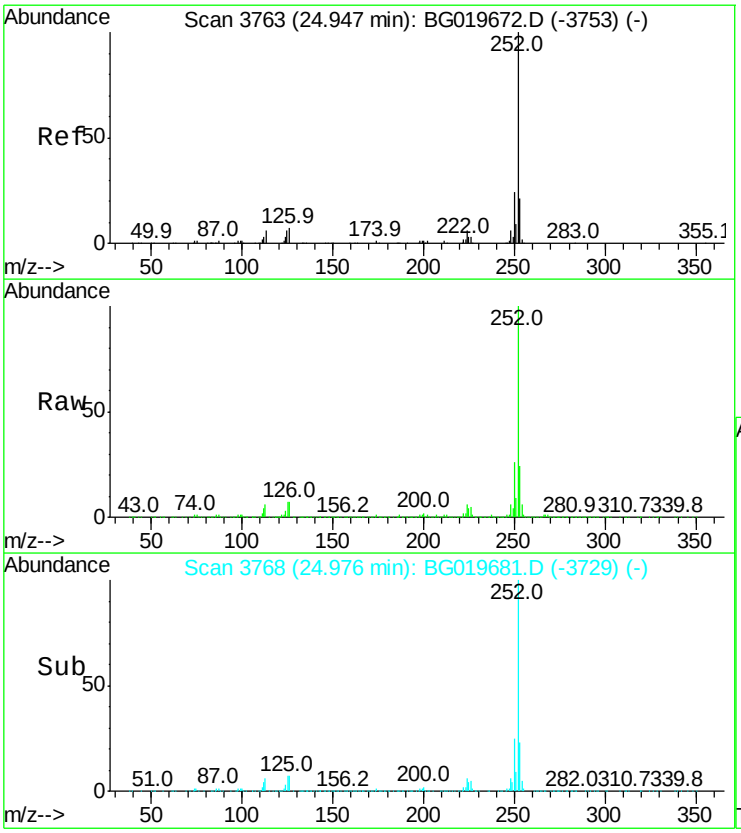
#89
Benzo(k)fluoranthene
Concen: 62.77 ng/ul
RT: 24.07 min Scan# 3614
Delta R.T. -0.05 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

Tgt Ion:252 Resp: 1232746

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	6.5	4.4	6.6

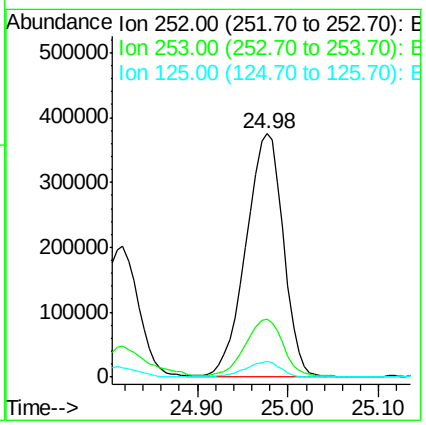


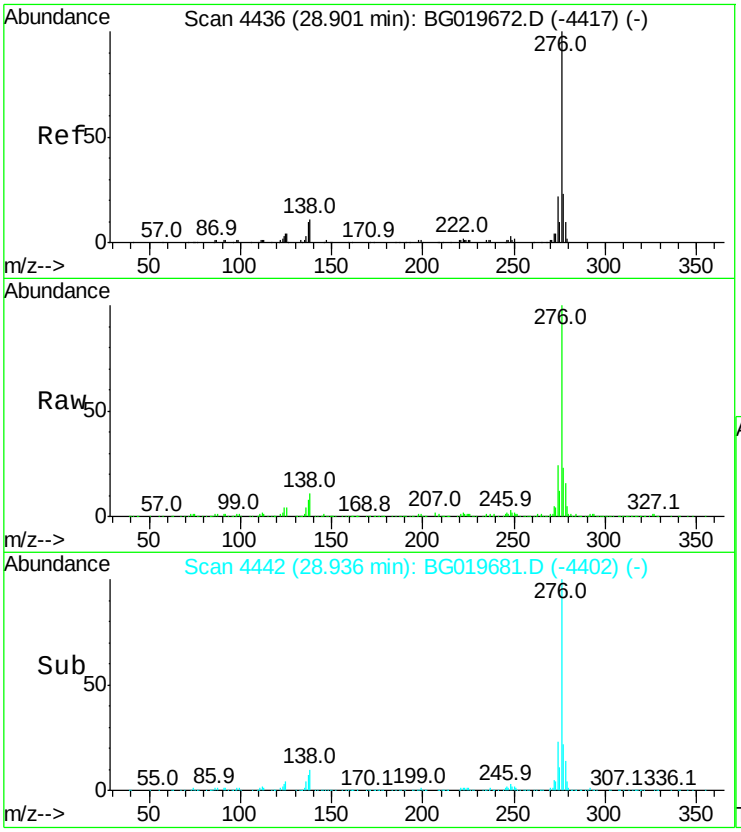


#91
Benzo(a)pyrene
Concen: 54.51 ng/ul
RT: 24.98 min Scan# 3768
Delta R.T. 0.03 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:252 Resp: 1068475

Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.9	25.3
125	6.6	5.4	8.0



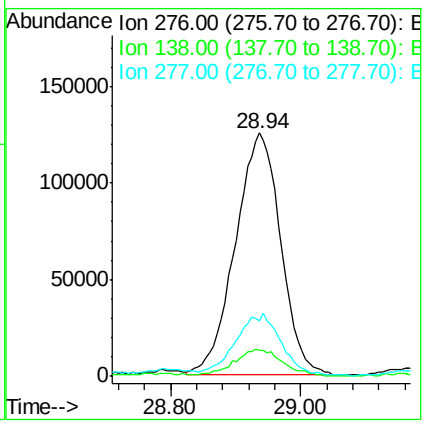


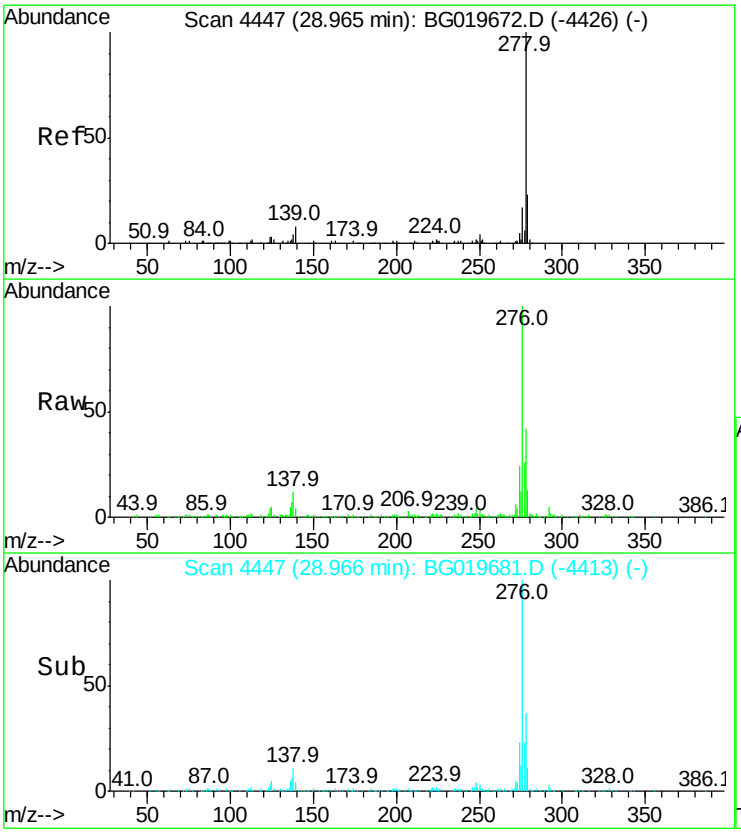
#92
Indeno(1,2,3-cd)pyrene
Concen: 27.43 ng/ul
RT: 28.94 min Scan# 4442
Delta R.T. 0.04 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

Tgt Ion:276 Resp: 601734

Ion	Ratio	Lower	Upper
276	100		
138	10.8	9.9	14.9
277	22.9	21.3	31.9

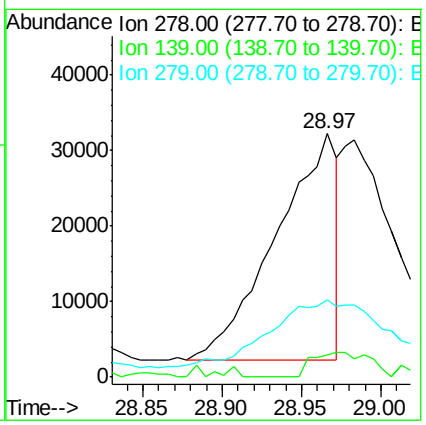


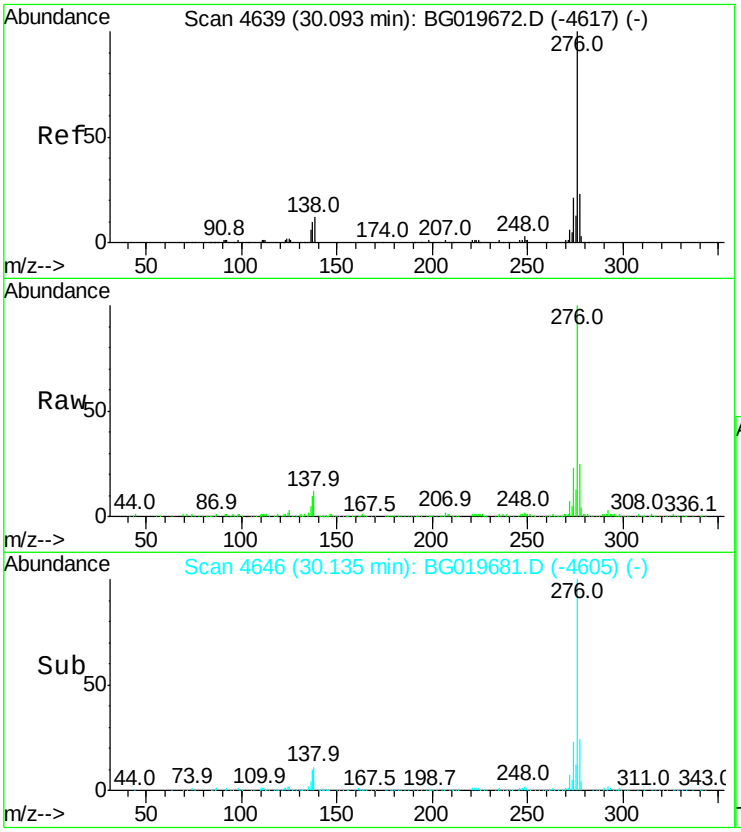


#93
Dibenzo(a,h)anthracene
Concen: 4.43 ng/ul
RT: 28.97 min Scan# 4447
Delta R.T. 0.00 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Tgt Ion:278 Resp: 79890

Ion	Ratio	Lower	Upper
278	100		
139	9.3	5.9	8.9#
279	31.5	18.2	27.2#





#94
Benzo(g,h,i)perylene
Concen: 25.69 ng/ul
RT: 30.14 min Scan# 4646
Delta R.T. 0.04 min
Lab File: BG019681.D
Acq: 18 Nov 2015 4:39

Instrument :
BNA_G
ClientSampleId :
BC7D1

Tgt Ion:276 Resp: 467536

Ion	Ratio	Lower	Upper
276	100		
138	11.8	9.2	13.8
277	24.7	18.6	28.0