Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122815\
Data File : BG020587.D
Acq On : 29 Dec 2015 6:56
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

Quant Time: Dec 30 01:11:50 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 30 01:08:31 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	17046	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	79797	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	63189	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.45	188	154929	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	195045	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	192579	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.44	96	540	1.75	ng/uL	0.00
5) Phenol-d5	7.23	99	14697	10.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	9338	11.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	11963	11.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	13624	11.84	ng/ul	0.00
19) Nitrobenzene-d5	9.24	128	6712	10.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	7503	10.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	15508	11.27	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	8295	5.27	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	58096	11.15	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	72165	11.96	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	5732	6.60	ng/ul	0.00
58) Fluorene-d10	15.69	176	58354	12.39	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	6021	5.86	ng/ul	0.00
71) Anthracene-d10	17.55	188	92951	12.81	ng/ul	0.00
79) Pyrene-d10	19.83	212	108502	12.85	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	122796	12.61	ng/ul	0.01
Target Compounds						Qvalue
28) Naphthalene	10.93	128	28618	6.75	ng/ul	99
30) 4-Chloroaniline	10.93	127	3725	2.35	ng/ul#	1
34) 2-Methylnaphthalene	12.54	142	10634	3.39	ng/ul	94
35) 1-Methylnaphthalene	12.75	142	7250	2.43	ng/ul#	96
45) Dimethylphthalate	14.15	163	19371	3.66	ng/ul	97
48) Acenaphthylene	14.43	152	52628	8.30	ng/ul	99
50) Acenaphthene	14.77	153	5138	1.20	ng/ul	94
59) Fluorene	15.75	166	10174	1.97	ng/ul	95
70) Phenanthrene	17.49	178	148015	17.17	ng/ul	99
72) Anthracene	17.58	178	37688	4.28	ng/ul	99
77) Fluoranthene	19.50	202	289380	26.69	ng/ul	98
80) Pyrene	19.86	202	465609	42.21	ng/ul	99
83) Benzo(a)anthracene	21.71	228	265238	23.16	ng/ul	95
85) Chrysene	21.78	228	341660	31.31	ng/ul	94
88) Benzo(b)fluoranthene	23.97	252	414034	35.82	ng/ul	96
89) Benzo(k)fluoranthene	23.97	252	414034	37.05	ng/ul	99
91) Benzo(a)pyrene	24.85	252	351432	31.63	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.74	276	137874	10.36	ng/ul	95
93) Dibenzo(a,h)anthracene	28.78	278	80430	7.28	ng/ul	95
94) Benzo(g,h,i)perylene	29.93	276	337016	30.84	ng/ul	98

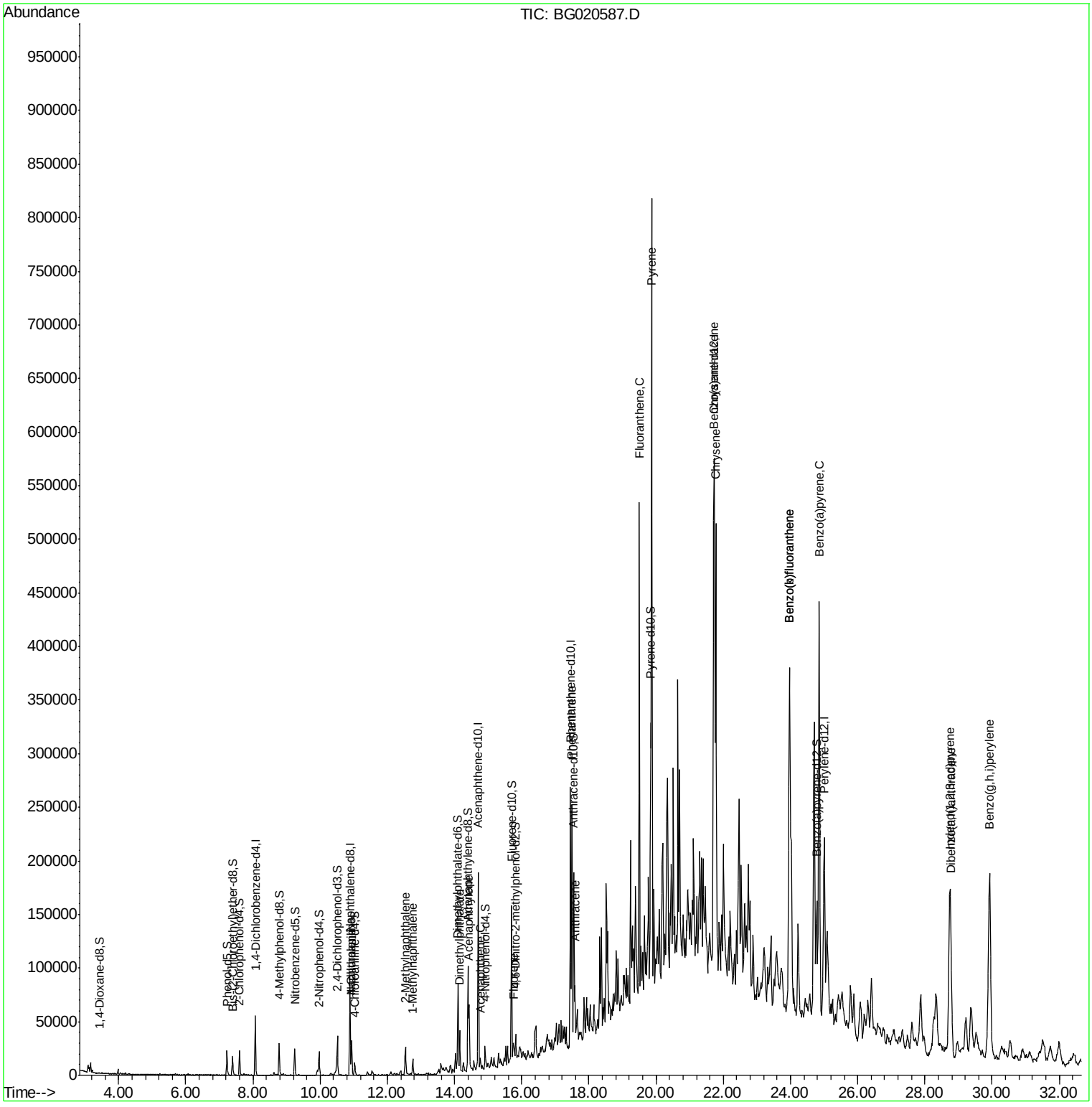
(#) = qualifier out of range (m) = manual integration (+) = signals summed

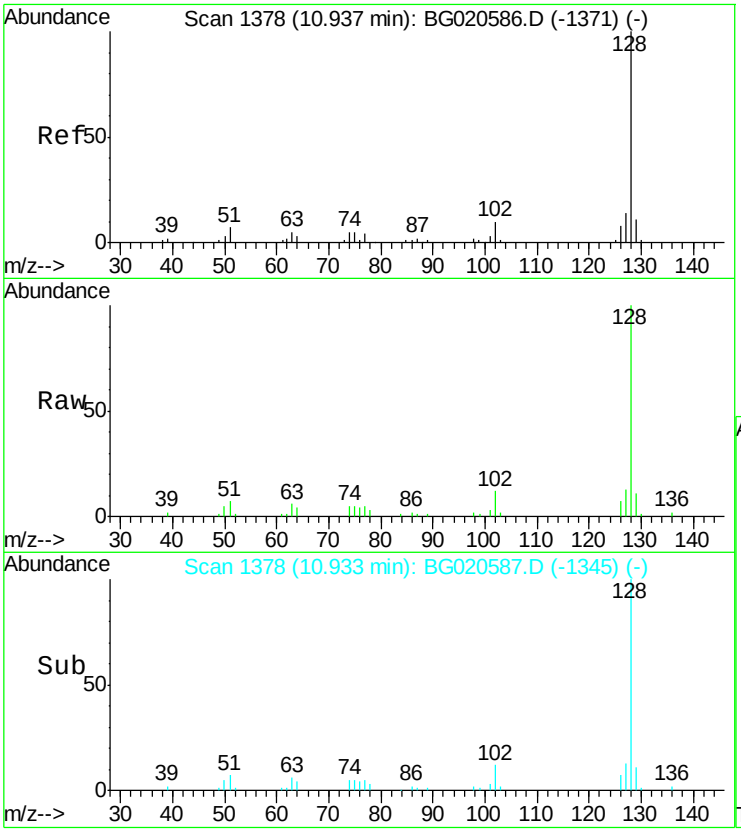
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122815\
Data File : BG020587.D
Acq On : 29 Dec 2015 6:56
Operator : UM/SJ
Sample : G4802-14DL 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Dec 30 01:11:50 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 30 01:08:31 2015
Response via : Initial Calibration



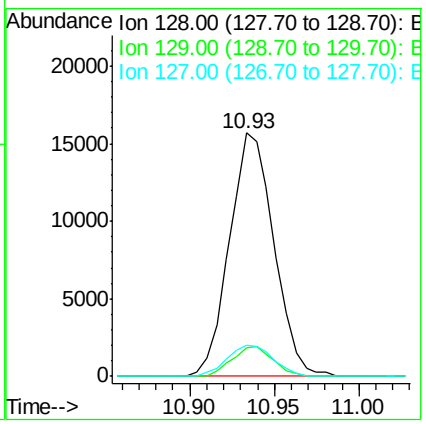


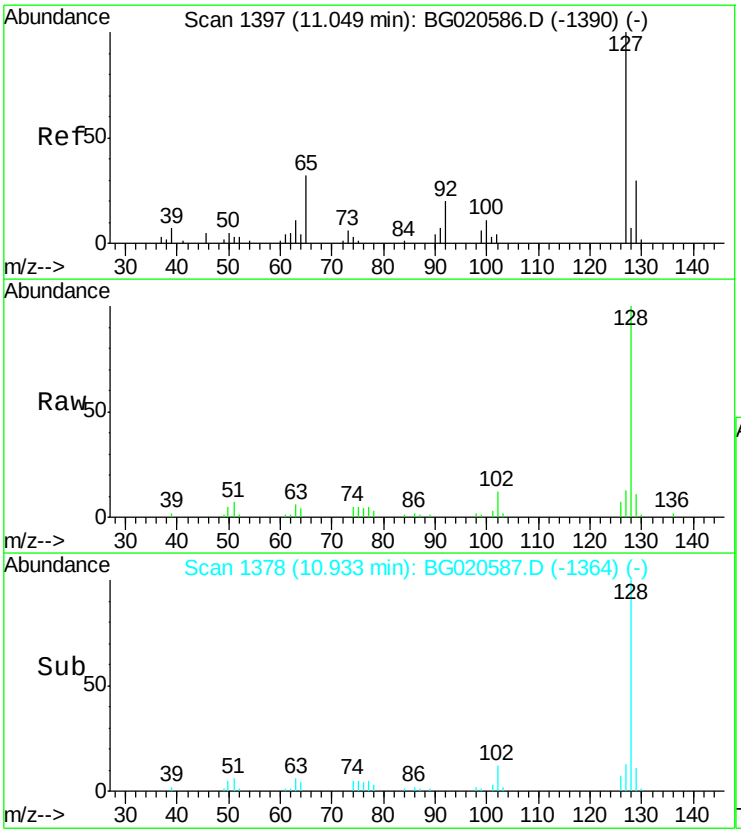
#28
Naphthalene
Concen: 6.75 ng/ul
RT: 10.93 min Scan# 1378
Delta R.T. -0.00 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:128 Resp: 28618

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	12.8
127	12.6	10.1	15.1

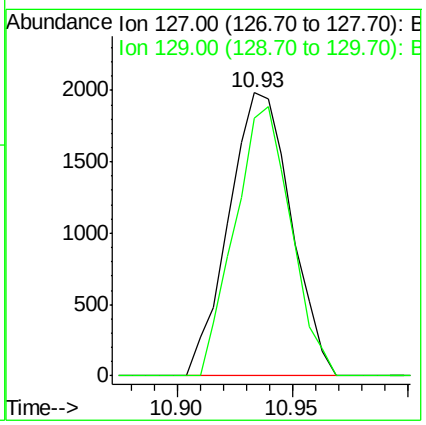


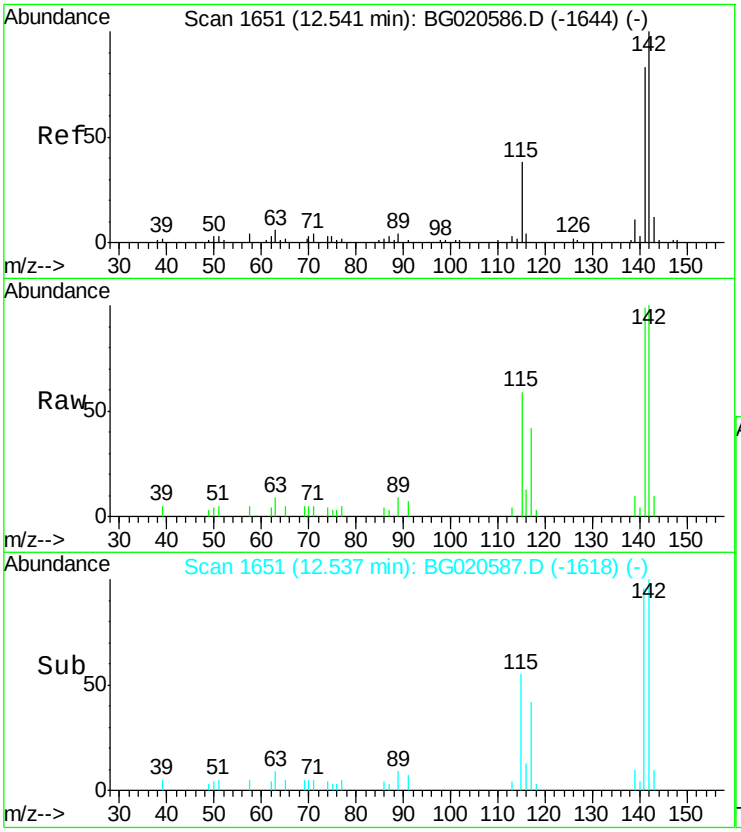


#30
4-Chloroaniline
Concen: 2.35 ng/ul
RT: 10.93 min Scan# 1378
Delta R.T. -0.12 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Tgt Ion:127 Resp: 3725

Ion	Ratio	Lower	Upper
127	100		
129	91.0	25.7	38.5#



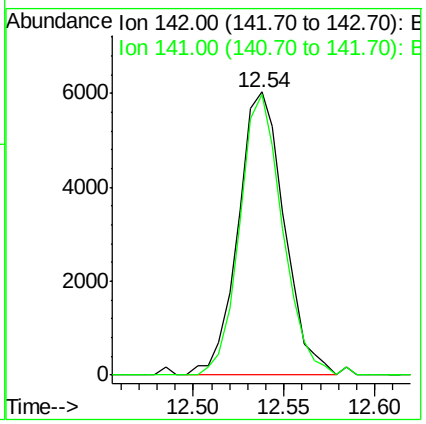


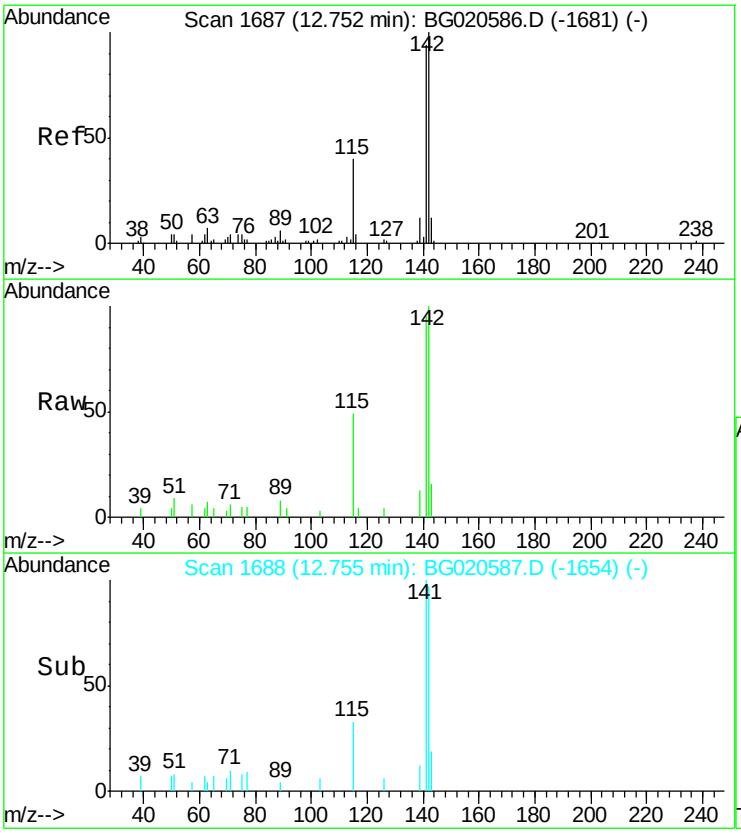
#34
2-Methylnaphthalene
Concen: 3.39 ng/ul
RT: 12.54 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:142 Resp: 10634

Ion	Ratio	Lower	Upper
142	100		
141	99.1	74.9	112.3

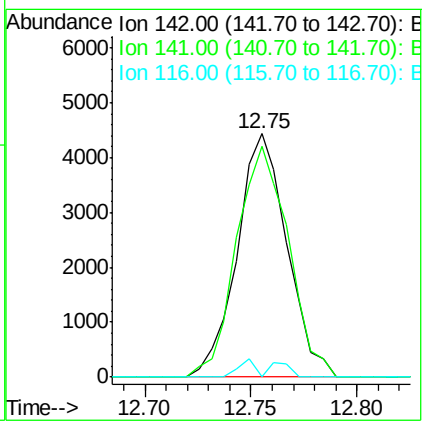


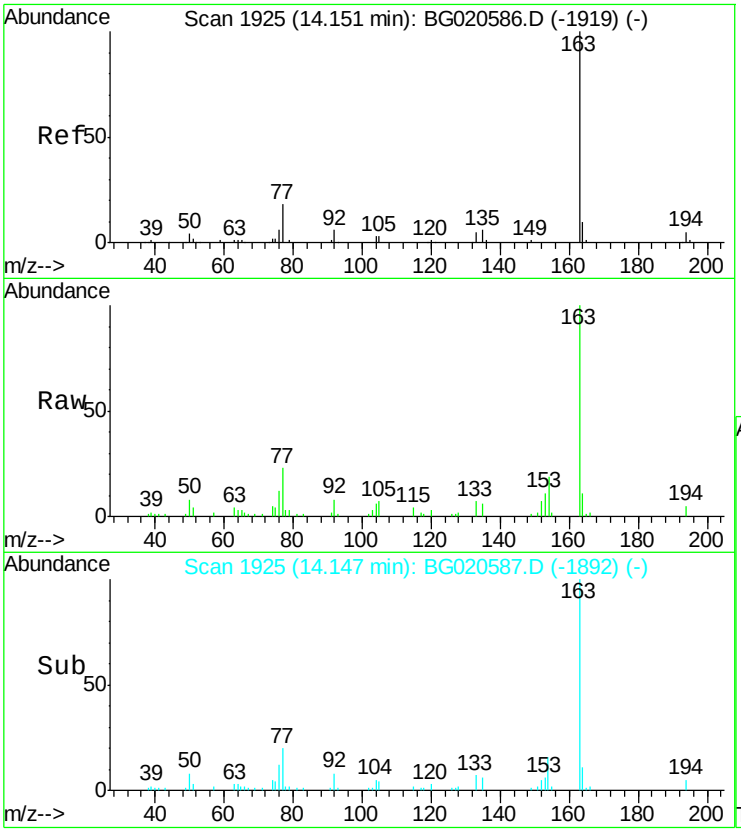


#35
1-Methylnaphthalene
Concen: 2.43 ng/ul
RT: 12.75 min Scan# 1688
Delta R.T. 0.00 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Tgt Ion:142 Resp: 7250

Ion	Ratio	Lower	Upper
142	100		
141	94.8	73.0	109.6
116	0.0	3.0	4.6#



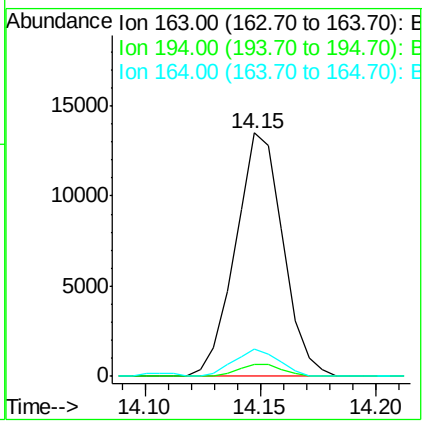


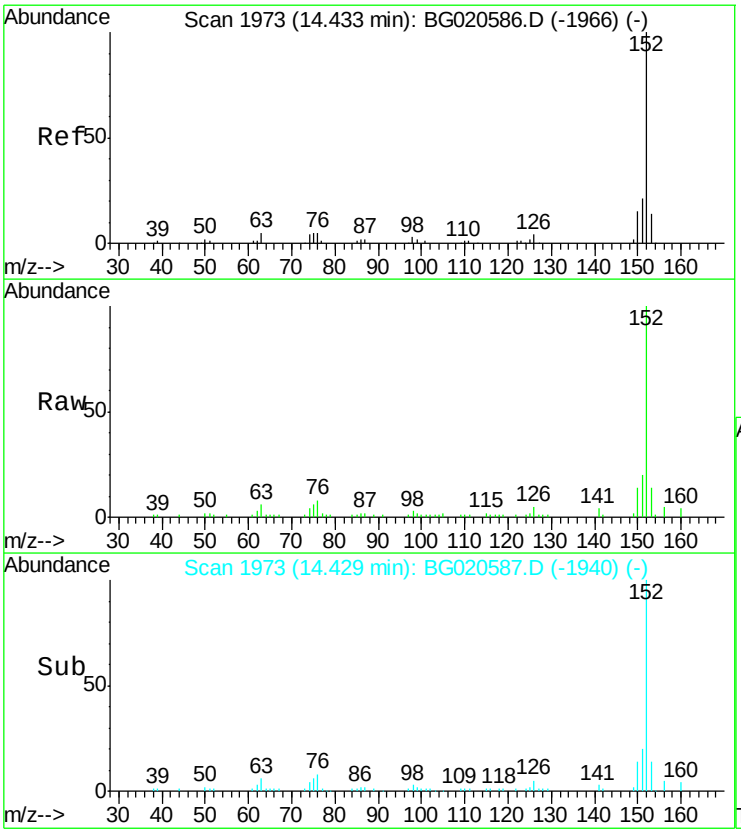
#45
Dimethylphthalate
Concen: 3.66 ng/ul
RT: 14.15 min Scan# 1925
Delta R.T. -0.00 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:163 Resp: 19371

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

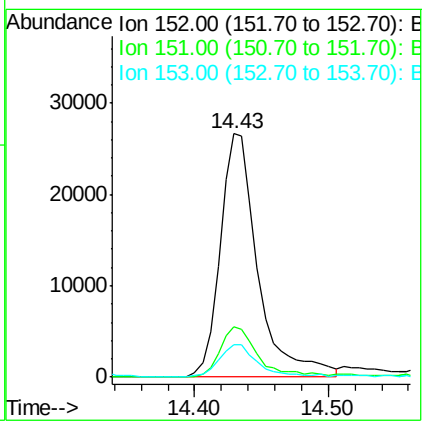


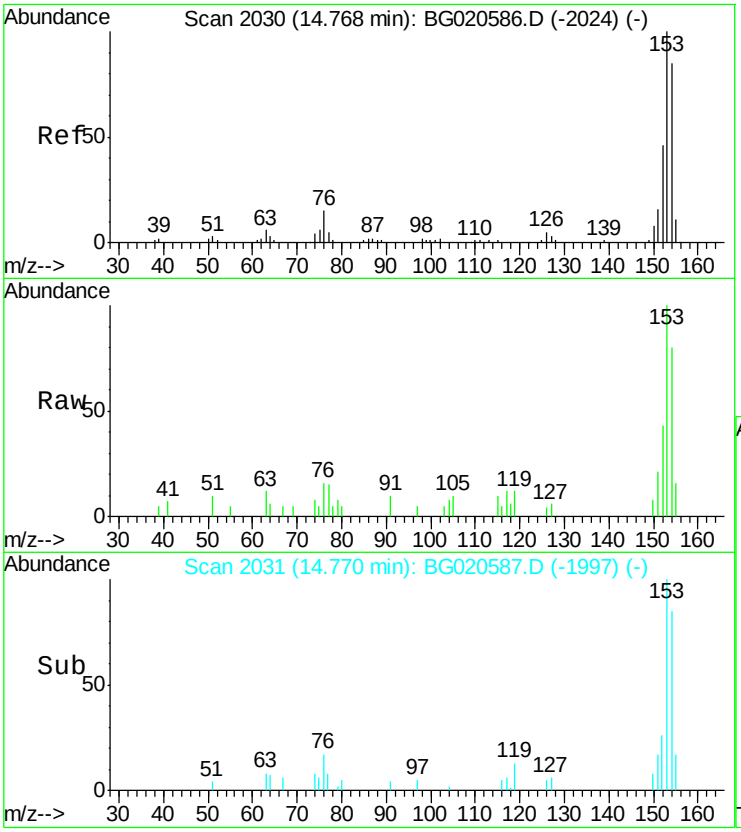


#48
Acenaphthylene
Concen: 8.30 ng/ul
RT: 14.43 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Tgt Ion:152 Resp: 52628

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	13.6	10.4	15.6



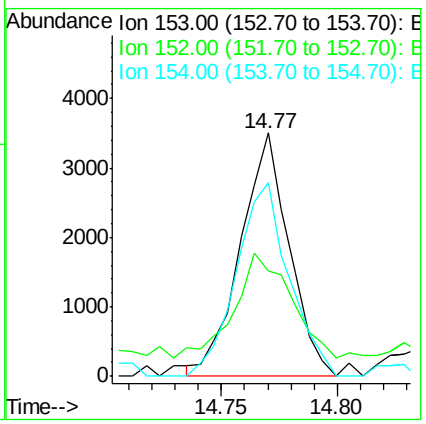


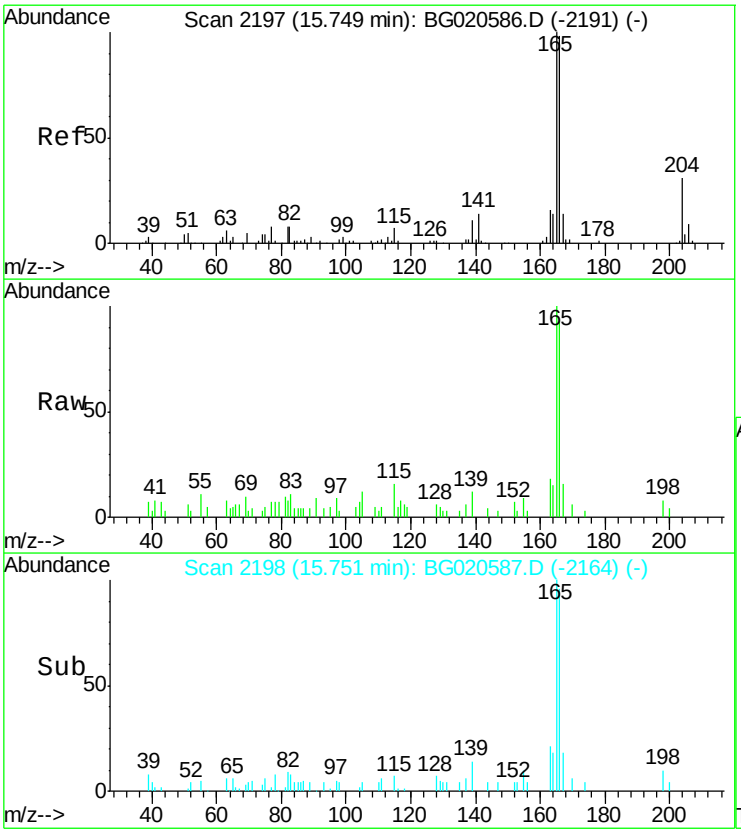
#50
Acenaphthene
Concen: 1.20 ng/ul
RT: 14.77 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:153 Resp: 5138

Ion	Ratio	Lower	Upper
153	100		
152	43.2	37.6	56.4
154	79.7	67.9	101.9

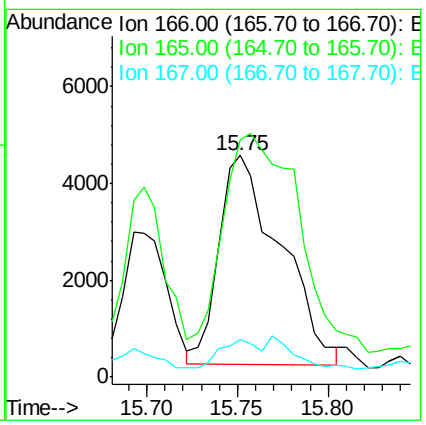


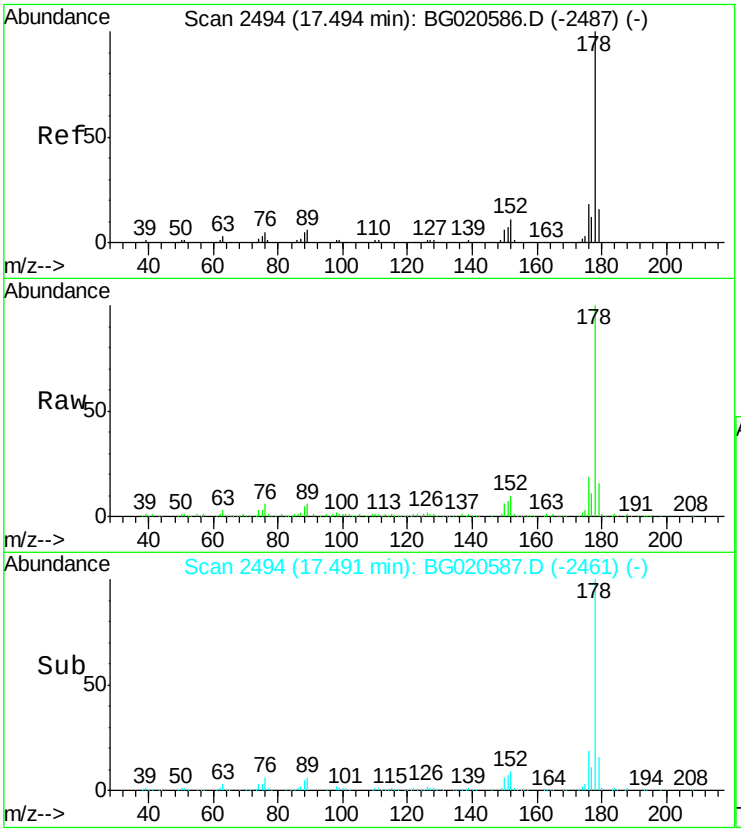


#59
Fluorene
Concen: 1.97 ng/ul
RT: 15.75 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Tgt Ion:166 Resp: 10174

Ion	Ratio	Lower	Upper
166	100		
165	107.1	81.4	122.0
167	16.7	11.2	16.8



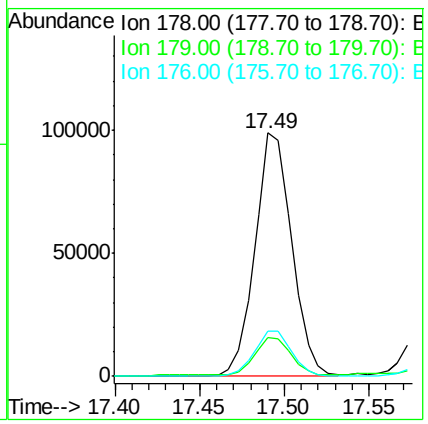


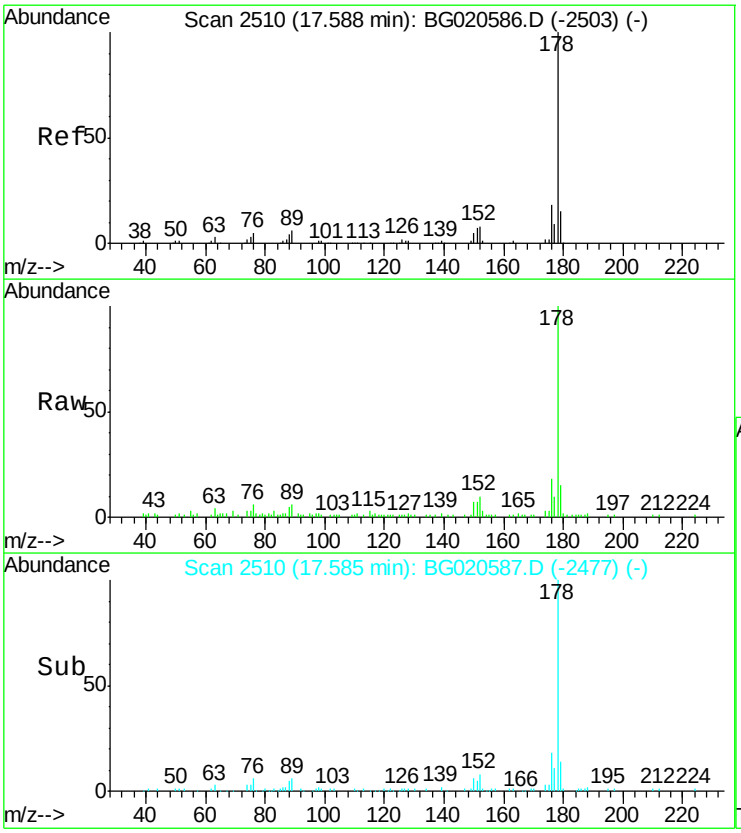
#70
Phenanthrene
Concen: 17.17 ng/ul
RT: 17.49 min Scan# 2494
Delta R.T. -0.00 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:178 Resp: 148015

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.9	19.3
176	18.8	15.3	22.9

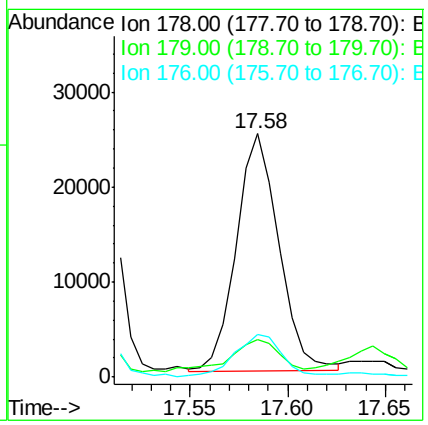


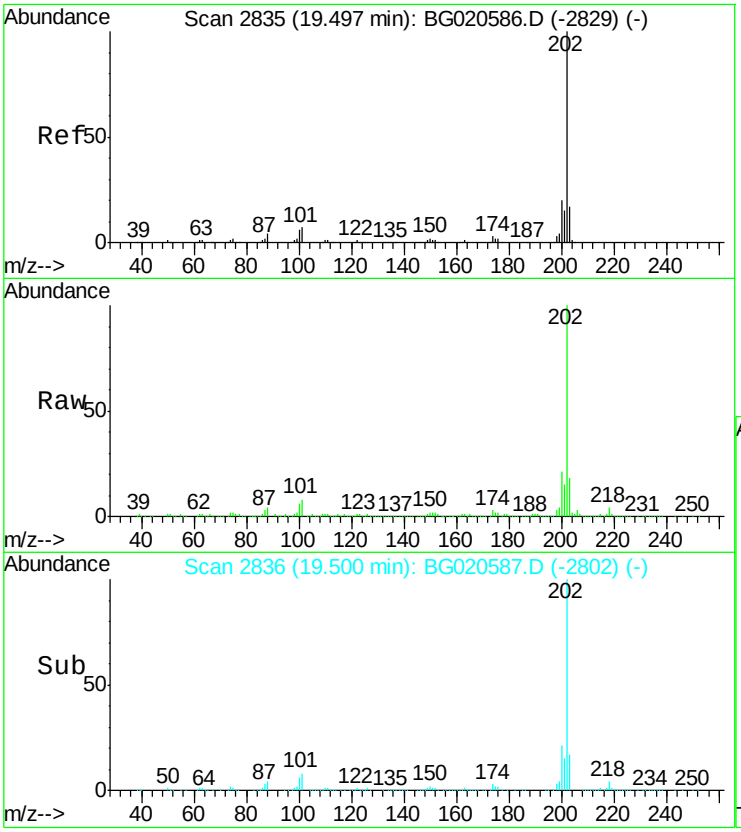


#72
Anthracene
Concen: 4.28 ng/ul
RT: 17.58 min Scan# 2510
Delta R.T. -0.00 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Tgt Ion:178 Resp: 37688

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	17.6	14.3	21.5



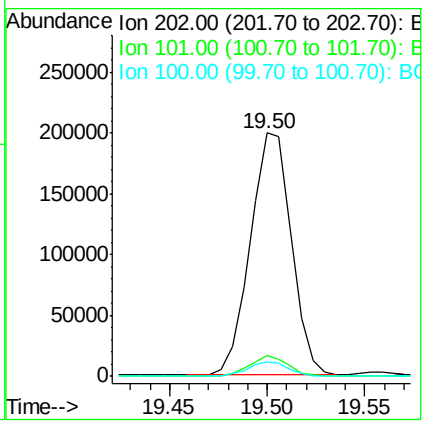


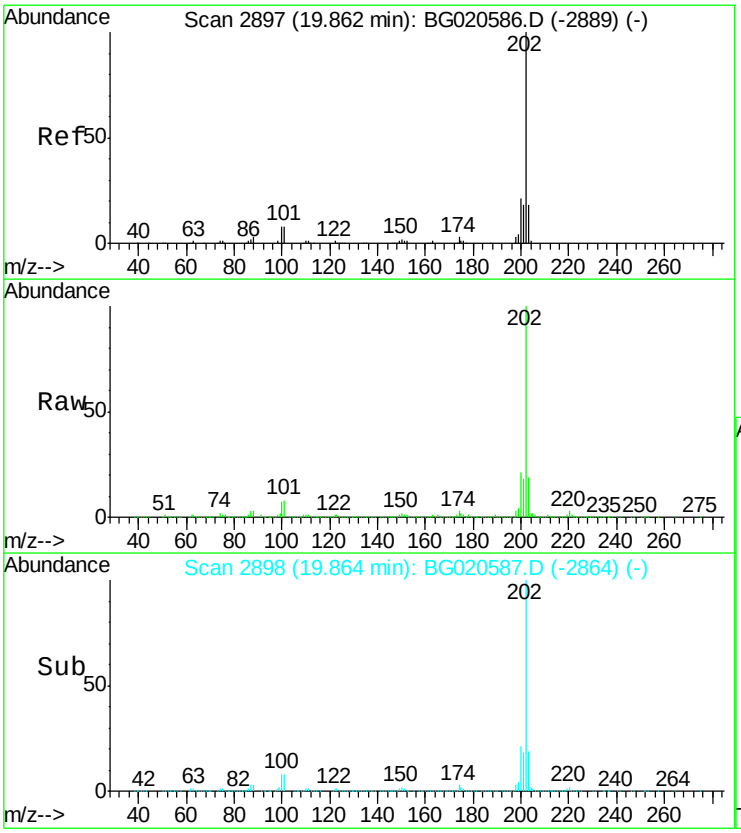
#77
Fluoranthene
Concen: 26.69 ng/ul
RT: 19.50 min Scan# 2836
Delta R.T. 0.00 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:202 Resp: 289380

Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.2	9.4
100	5.9	5.1	7.7

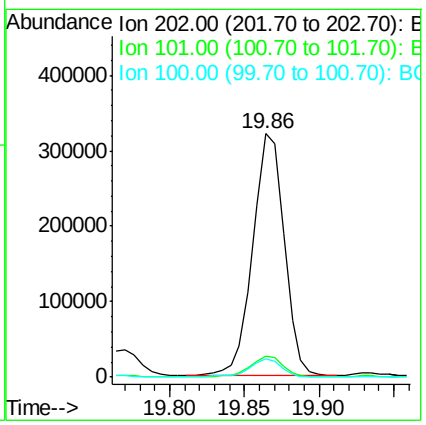


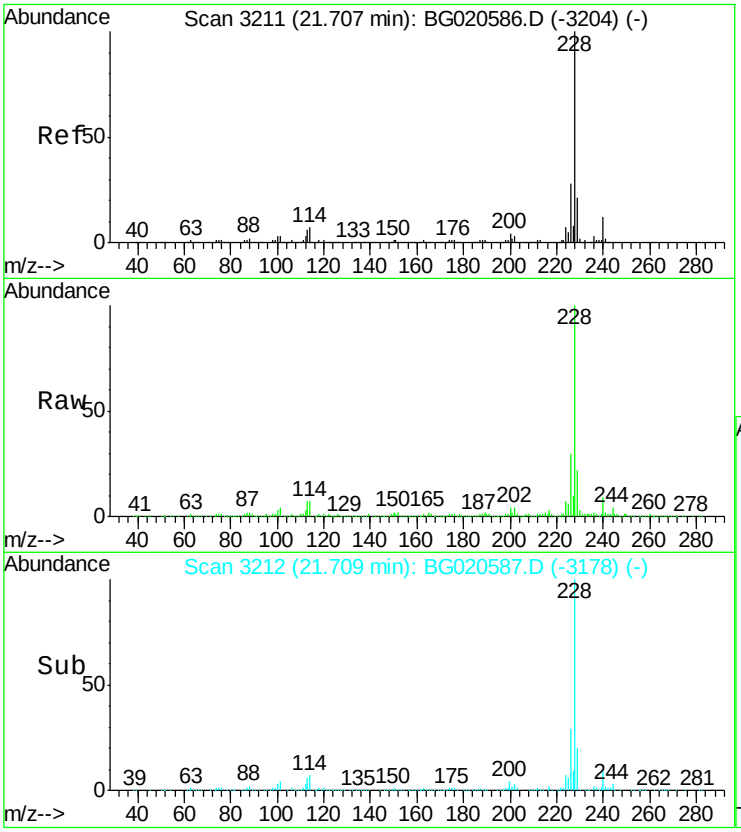


#80
Pyrene
Concen: 42.21 ng/ul
RT: 19.86 min Scan# 2898
Delta R.T. 0.00 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Tgt Ion:202 Resp: 465609

Ion	Ratio	Lower	Upper
202	100		
101	8.3	7.0	10.4
100	7.5	6.4	9.6



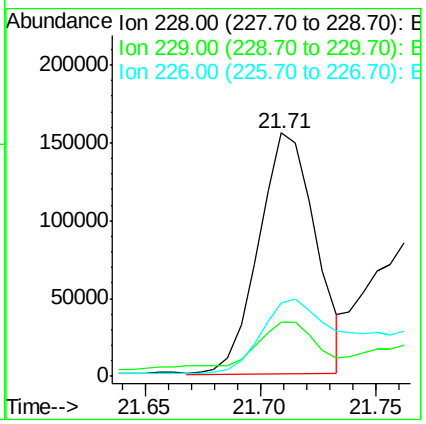


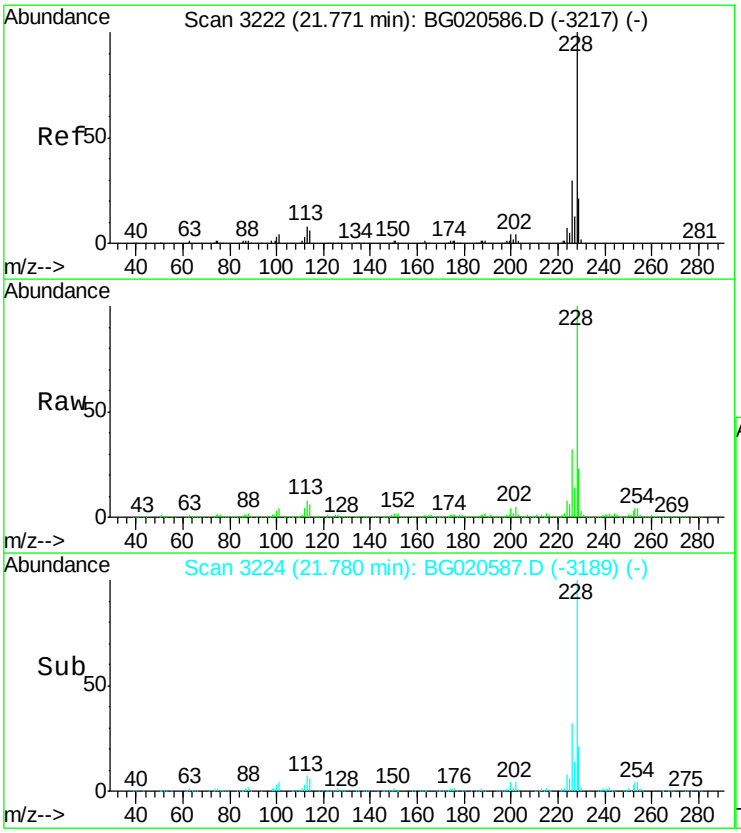
#83
Benzo(a)anthracene
Concen: 23.16 ng/ul
RT: 21.71 min Scan# 3212
Delta R.T. 0.00 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:228 Resp: 265238

Ion	Ratio	Lower	Upper
228	100		
229	22.5	15.8	23.8
226	29.9	21.8	32.6

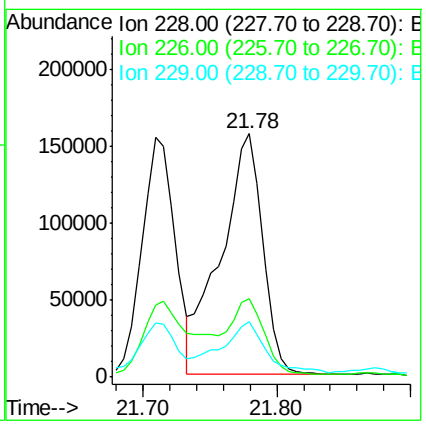


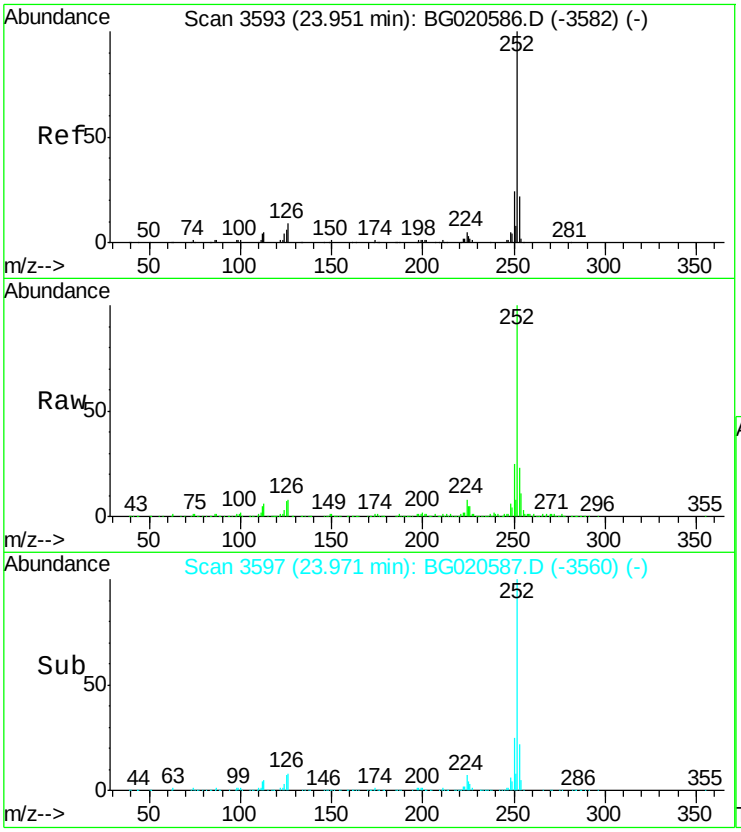


#85
Chrysene
Concen: 31.31 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Tgt Ion:228 Resp: 341660

Ion	Ratio	Lower	Upper
228	100		
226	32.2	23.9	35.9
229	23.0	15.6	23.4



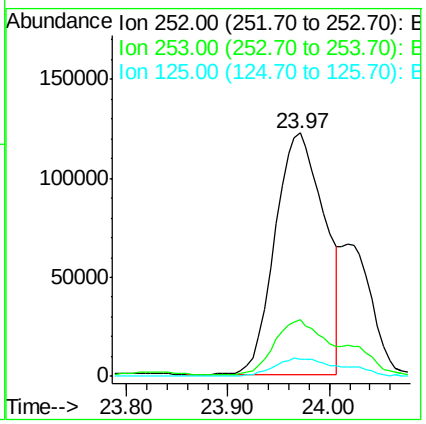


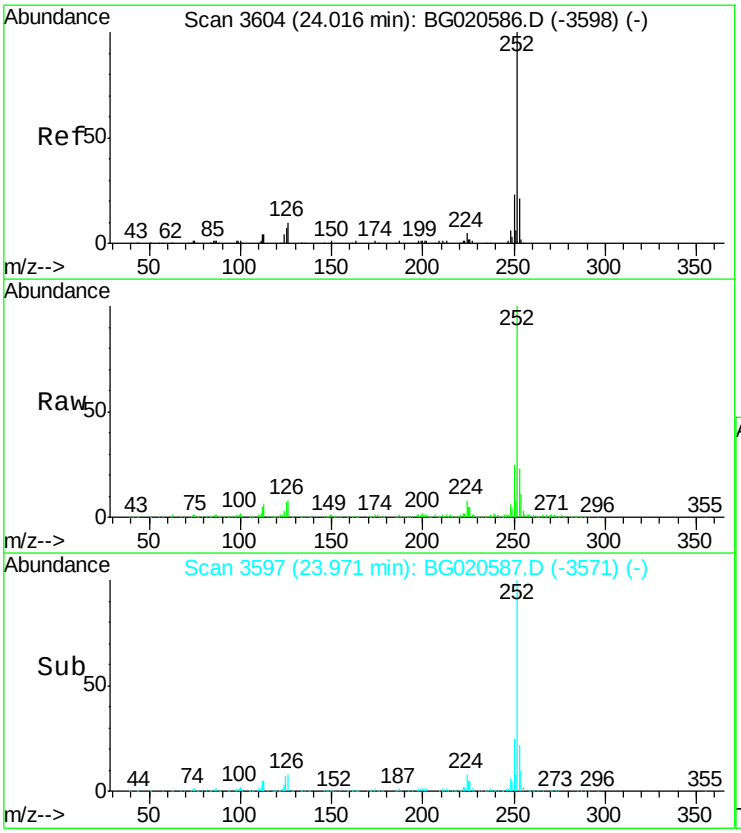
#88
Benzo(b)fluoranthene
Concen: 35.82 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. 0.02 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 414034

Ion	Ratio	Lower	Upper
252	100		
253	23.1	16.7	25.1
125	7.0	6.2	9.2

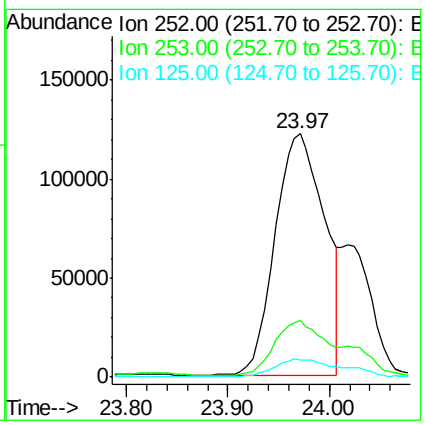


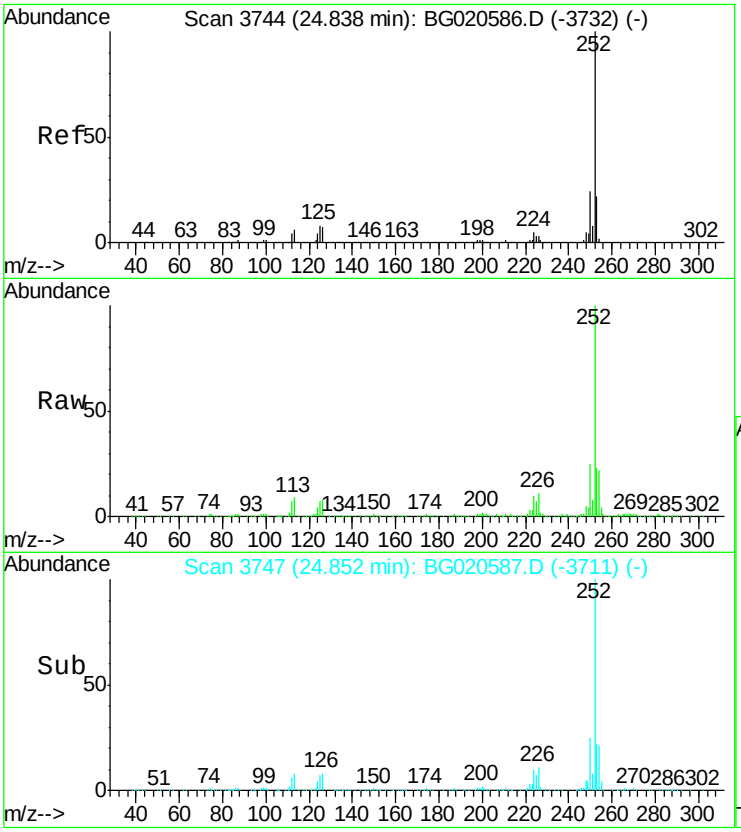


#89
Benzo(k)fluoranthene
Concen: 37.05 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. -0.04 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Tgt Ion:252 Resp: 414034

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	7.0	5.8	8.6



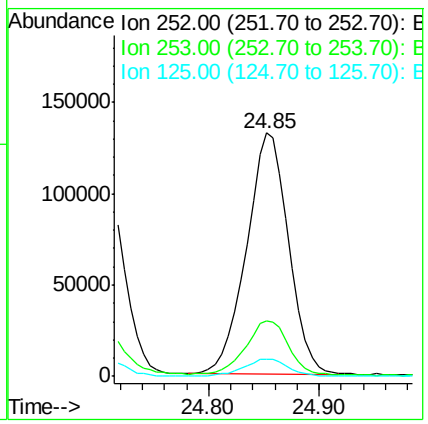


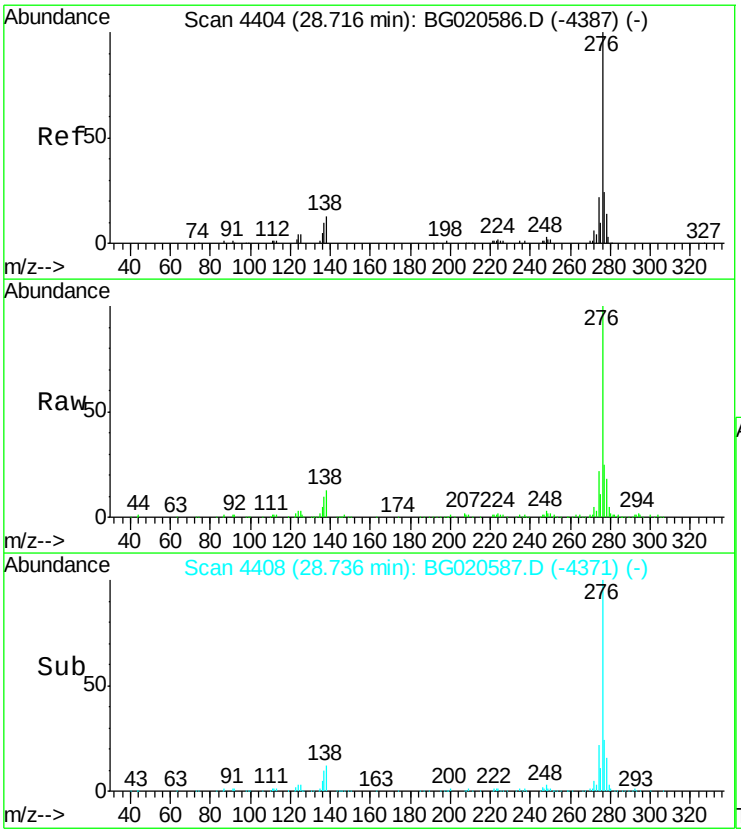
#91
Benzo(a)pyrene
Concen: 31.63 ng/ul
RT: 24.85 min Scan# 3747
Delta R.T. 0.01 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 351432

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.4
125	7.3	6.2	9.4

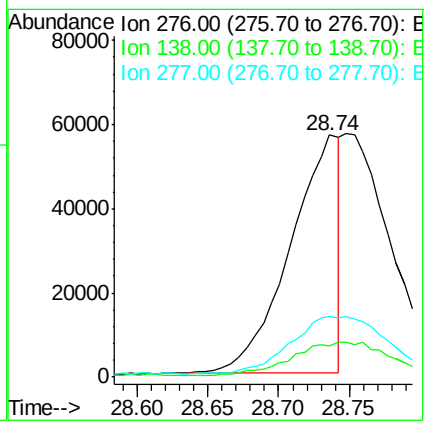


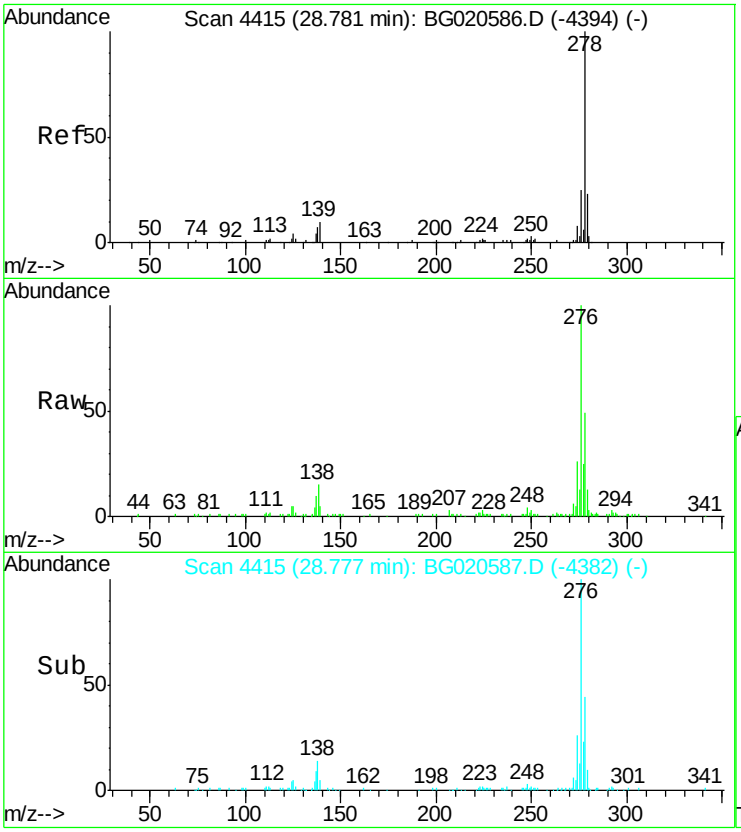


#92
Indeno(1,2,3-cd)pyrene
Concen: 10.36 ng/ul
RT: 28.74 min Scan# 4408
Delta R.T. 0.02 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Tgt Ion:276 Resp: 137874

Ion	Ratio	Lower	Upper
276	100		
138	13.1	11.4	17.0
277	25.0	17.4	26.0



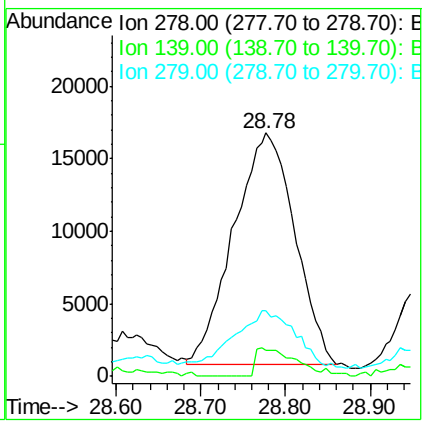


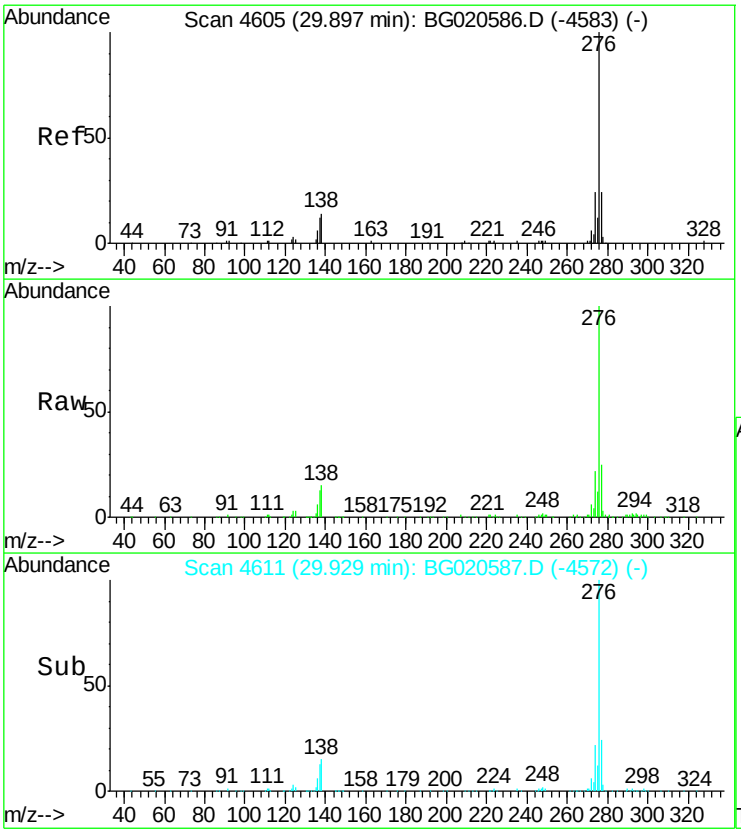
#93
Dibenzo(a,h)anthracene
Concen: 7.28 ng/ul
RT: 28.78 min Scan# 4415
Delta R.T. -0.00 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:278 Resp: 80430

Ion	Ratio	Lower	Upper
278	100		
139	10.8	9.4	14.2
279	27.0	19.4	29.0





#94
Benzo(g,h,i)perylene
Concen: 30.84 ng/ul
RT: 29.93 min Scan# 4611
Delta R.T. 0.03 min
Lab File: BG020587.D
Acq: 29 Dec 2015 6:56

Tgt Ion:276 Resp: 337016

Ion	Ratio	Lower	Upper
276	100		
138	15.1	10.8	16.2
277	24.8	19.9	29.9