Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

Quant Time: May 24 07:45:24 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 07:40:24 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	42350	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	216940	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	114079	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	215396	20.00	ng/ul	0.00
75) Chrysene-d12	21.82	240	195962	20.00	ng/ul	0.00
83) Perylene-d12	25.16	264	183090	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	3646	4.49	ng/uL	0.00
5) Phenol-d5	7.31	99	84986	22.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	44717	22.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	75633	23.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	73487	22.64	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	37862	23.66	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	40918	23.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	71293	23.32	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	79584	23.90	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	213581	24.93	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	293584	24.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	24046	16.30	ng/ul	0.00
57) Fluorene-d10	15.78	176	189330	23.59	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	19139	17.00	ng/ul	0.00
70) Anthracene-d10	17.63	188	266571	25.78	ng/ul	0.00
76) Pyrene-d10	19.91	212	278600	25.21	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.93	264	237421	27.95	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	11.03	128	26228	2.38	ng/ul	98
30) 4-Chloroaniline	11.03	127	3747	1.12	ng/ul#	27
32) Caprolactam	11.97	113	1462	1.22	ng/ul#	48
34) 2-Methylnaphthalene	12.63	142	21144	2.69	ng/ul	100
40) 1,1'-Biphenyl	13.62	154	9495	1.01	ng/ul#	94
44) Dimethylphthalate	14.22	163	83923	9.75	ng/ul	99
47) Acenaphthylene	14.51	152	34890	2.86	ng/ul	98
49) Acenaphthene	14.85	153	24063	2.86	ng/ul	95
58) Fluorene	15.83	166	83181	9.46	ng/ul	99
69) Phenanthrene	17.58	178	910304	75.98	ng/ul	97
71) Anthracene	17.67	178	184044	15.17	ng/ul	99
72) Carbazole	17.94	167	11019	1.05	ng/ul#	84
74) Fluoranthene	19.58	202	975436	79.67	ng/ul	98
77) Pyrene	19.58	202	975436	70.74	ng/ul	97
80) Benzo(a)anthracene	21.80	228	382799	33.31	ng/ul	95
82) Chrysene	21.87	228	362457	32.88	ng/ul	95
85) Benzo(b)fluoranthene	24.10	252	354978	33.13	ng/ul#	95
86) Benzo(k)fluoranthene	24.10	252	354978	34.04	ng/ul#	91
88) Benzo(a)pyrene	25.00	252	313672	30.34	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	28.98	276	148720	12.55	ng/ul	97
91) Benzo(g,h,i)perylene	30.18	276	119877	12.63	ng/ul	96

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: May 24 07:45:24 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 07:40:24 2016
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\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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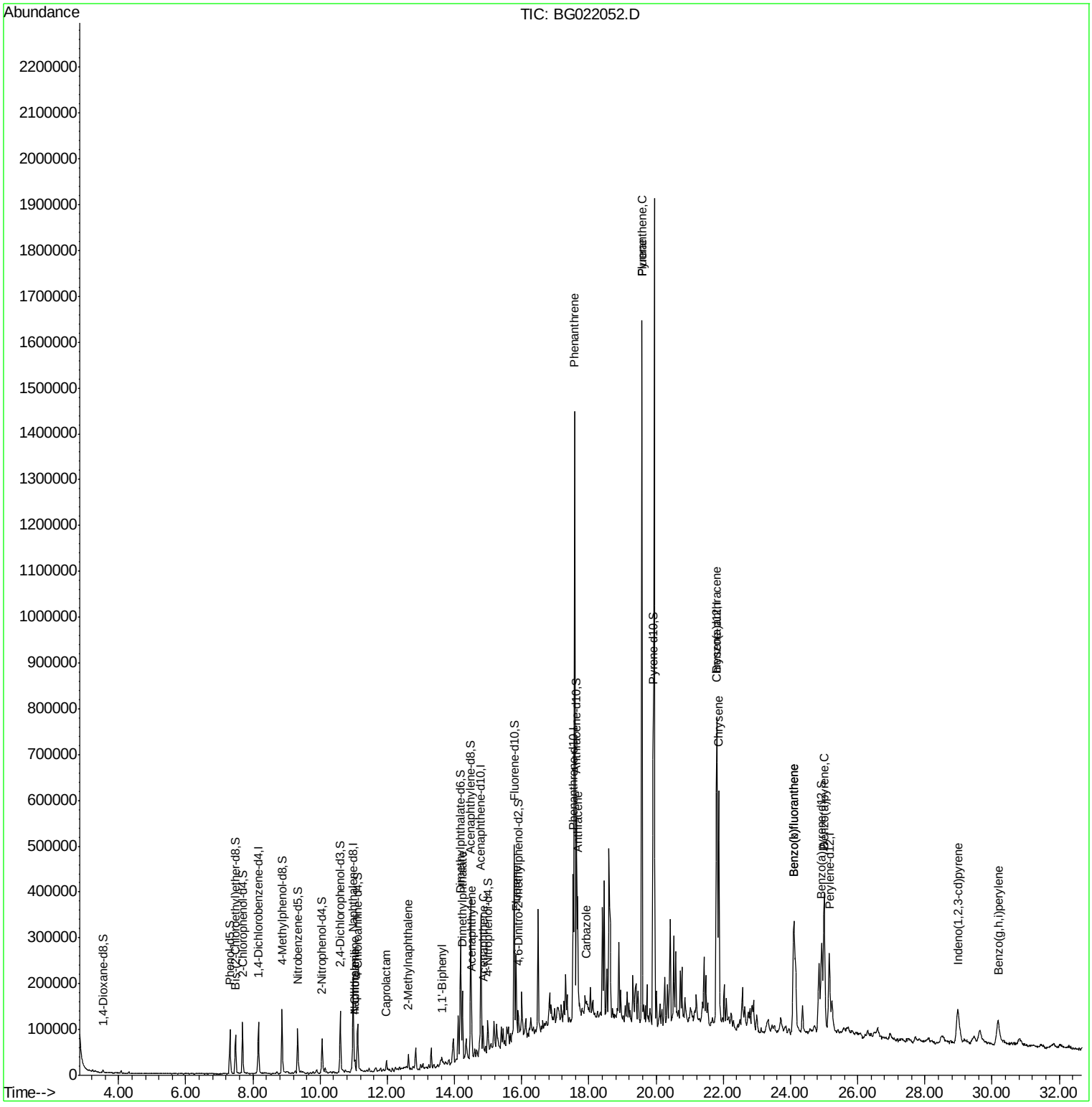
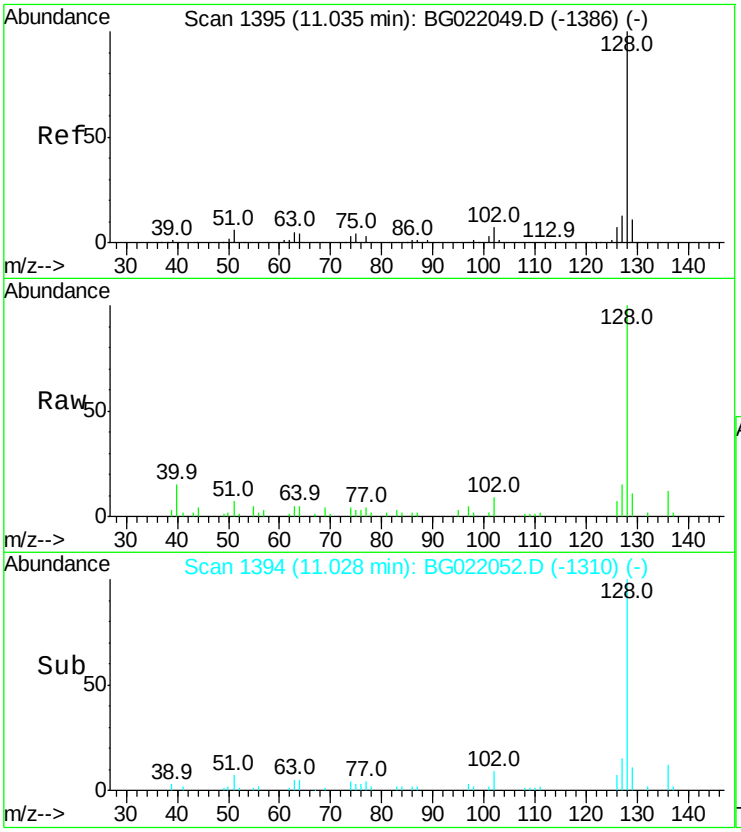
ClientSampleId :

Quant Time: May 24 07:45:24 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 07:40:24 2016
Response via : Initial Calibration



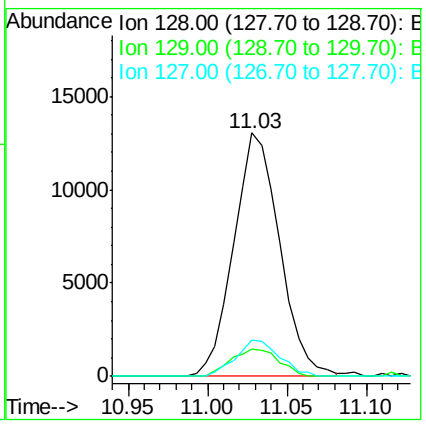


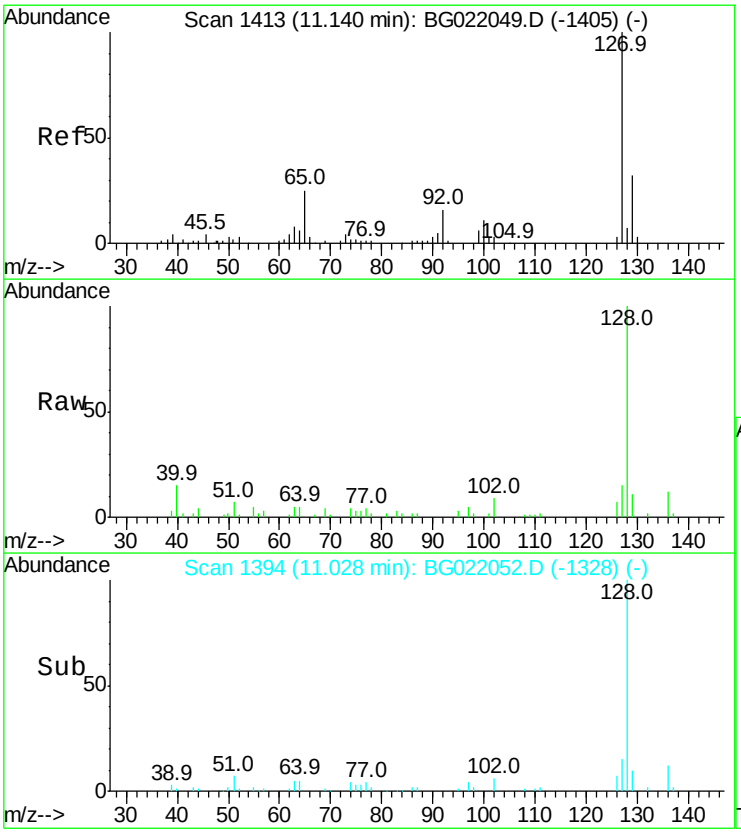
#28
Naphthalene
Concen: 2.38 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:128 Resp: 26228

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.2
127	15.0	11.2	16.8

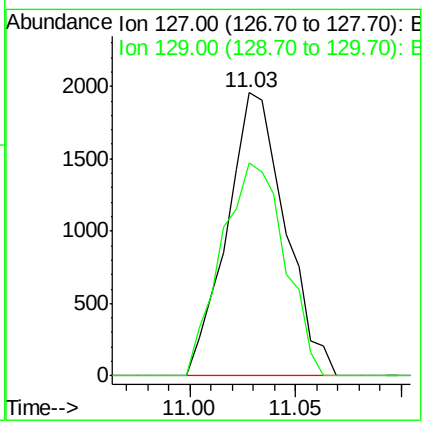


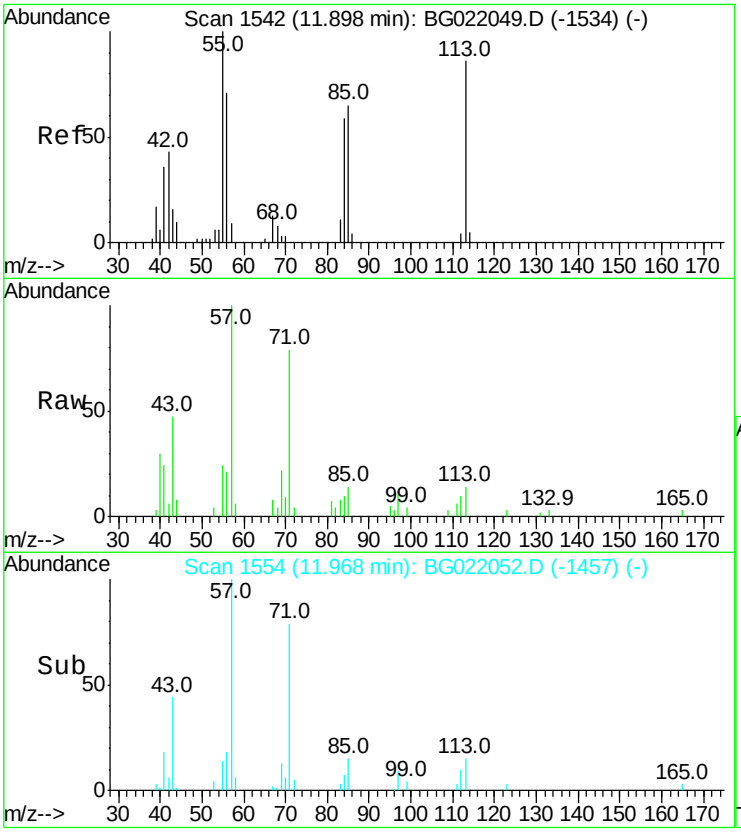


#30
4-Chloroaniline
Concen: 1.12 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.11 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Tgt Ion:127 Resp: 3747

Ion	Ratio	Lower	Upper
127	100		
129	75.2	26.9	40.3#



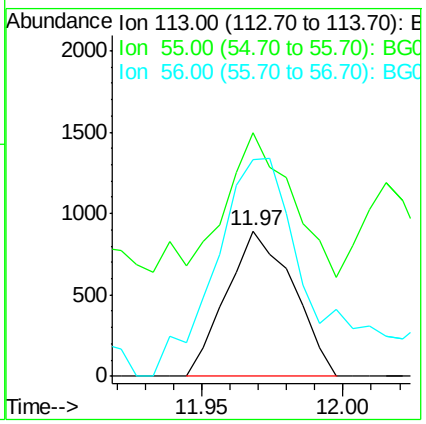


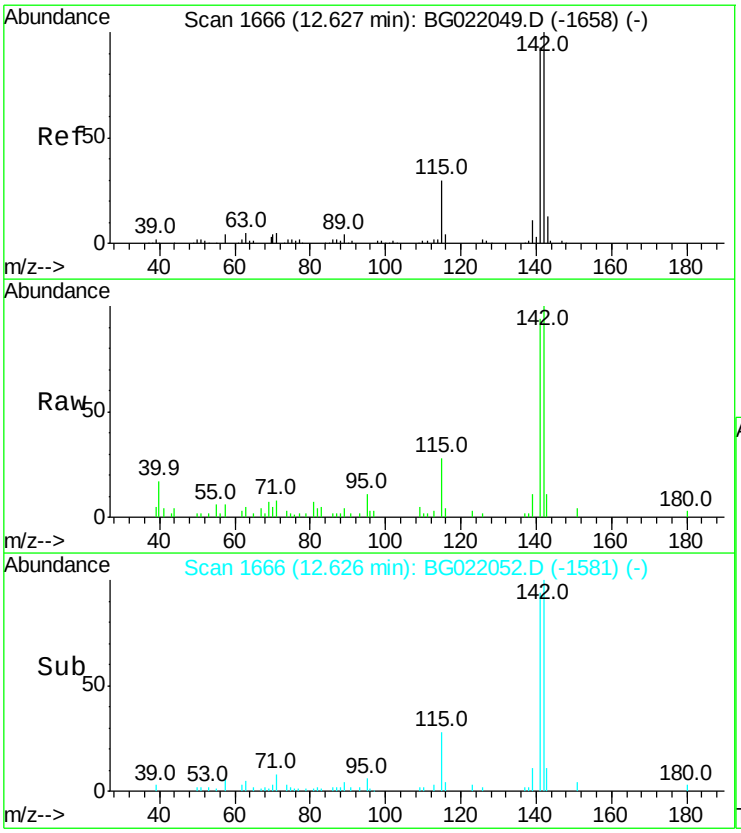
#32
Caprolactam
Concen: 1.22 ng/ul
RT: 11.97 min Scan# 1554
Delta R.T. 0.07 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:113 Resp: 1462

Ion	Ratio	Lower	Upper
113	100		
55	167.7	99.6	149.4#
56	149.4	66.4	99.6#

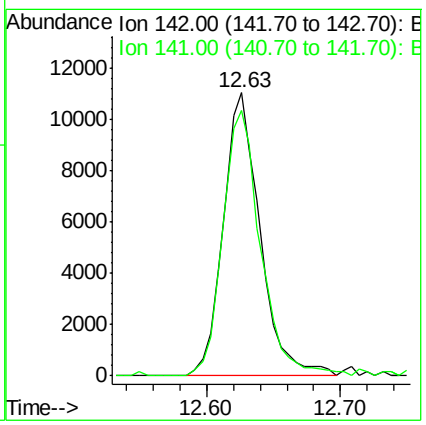


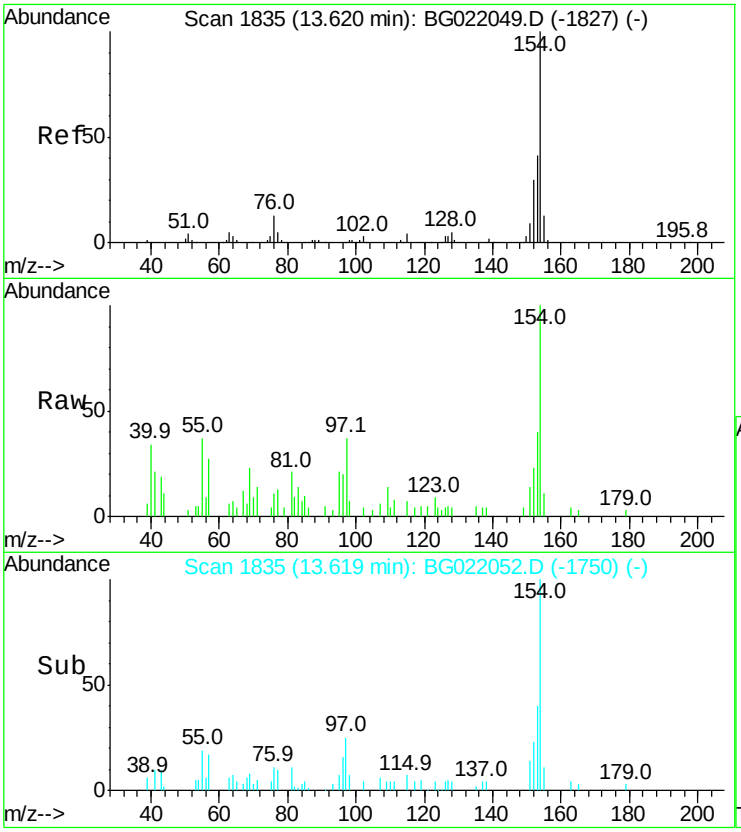


#34
2-Methylnaphthalene
Concen: 2.69 ng/ul
RT: 12.63 min Scan# 1666
Delta R.T. -0.00 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Tgt Ion:142 Resp: 21144

Ion	Ratio	Lower	Upper
142	100		
141	93.6	75.2	112.8



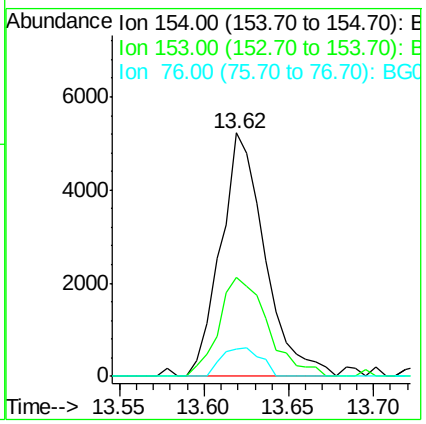


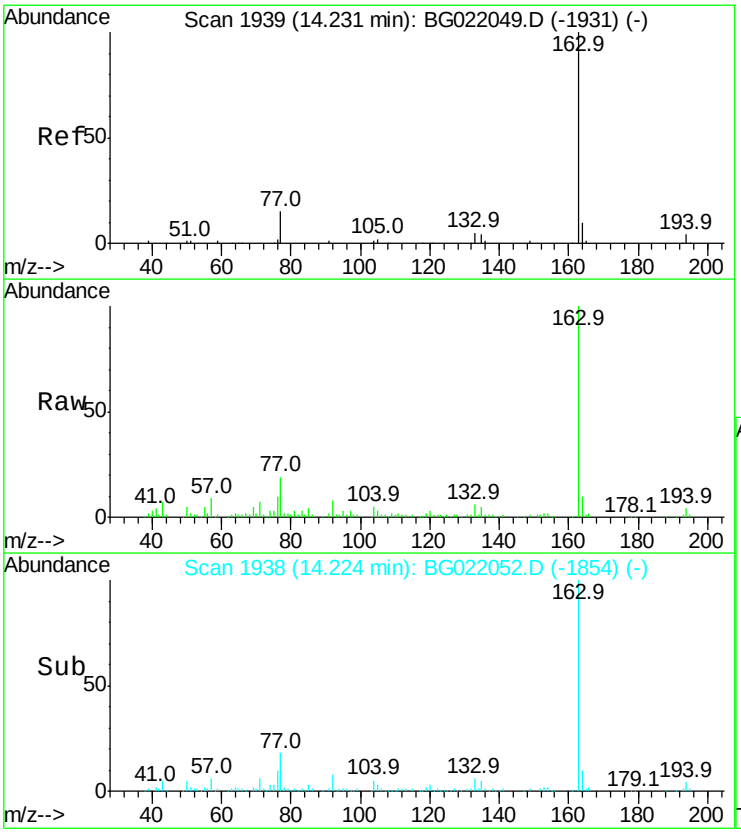
#40
1,1'-Biphenyl
Concen: 1.01 ng/ul
RT: 13.62 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:154 Resp: 9495

Ion	Ratio	Lower	Upper
154	100		
153	40.4	34.6	52.0
76	11.0	11.9	17.9#

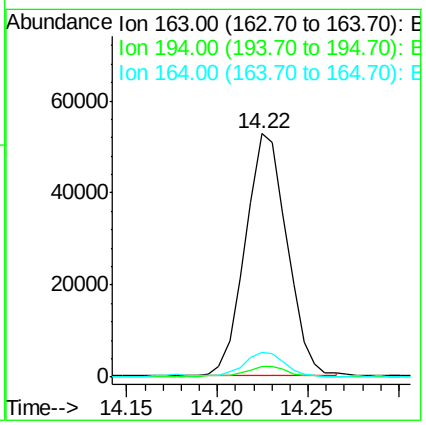


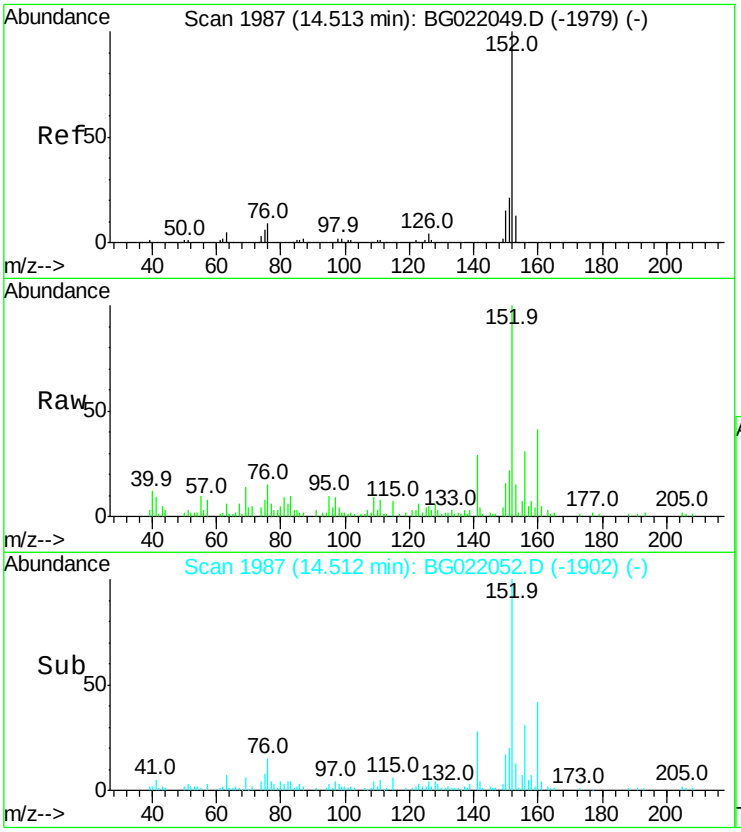


#44
Dimethylphthalate
Concen: 9.75 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Tgt Ion:163 Resp: 83923

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.4	8.8	13.2



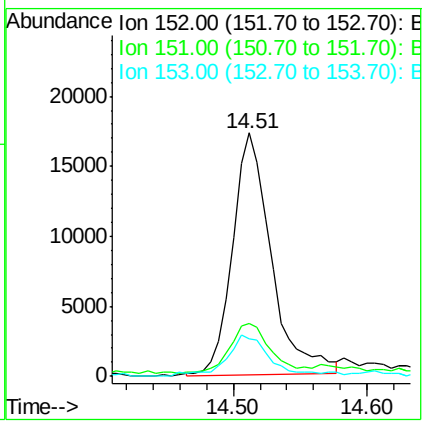


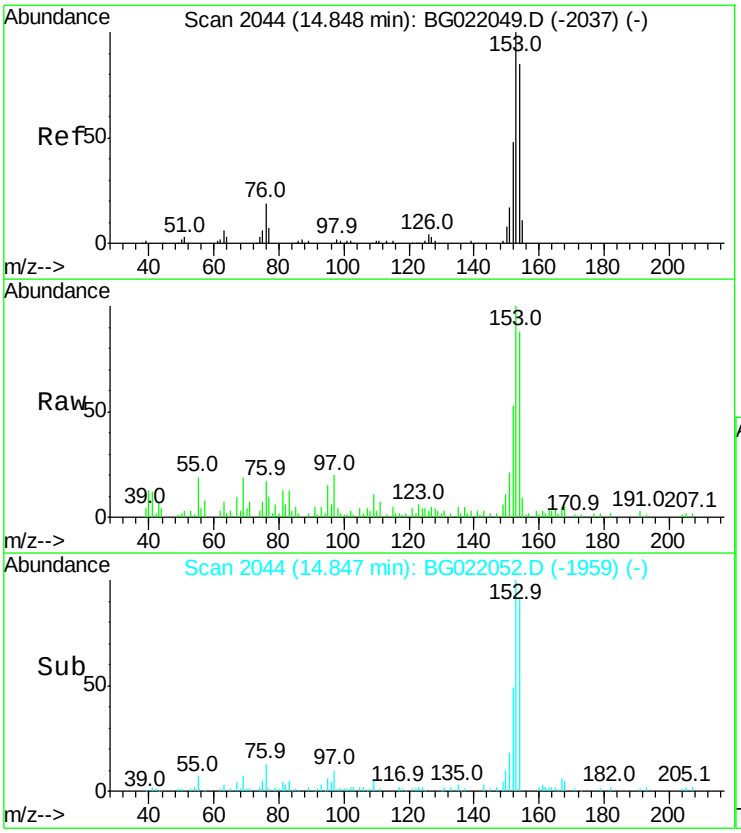
#47
Acenaphthylene
Concen: 2.86 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. -0.00 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 34890

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.5	26.3
153	15.2	11.1	16.7

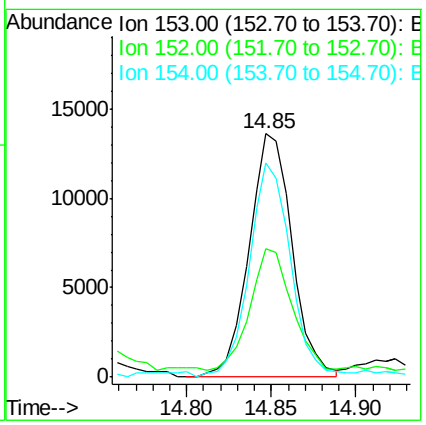


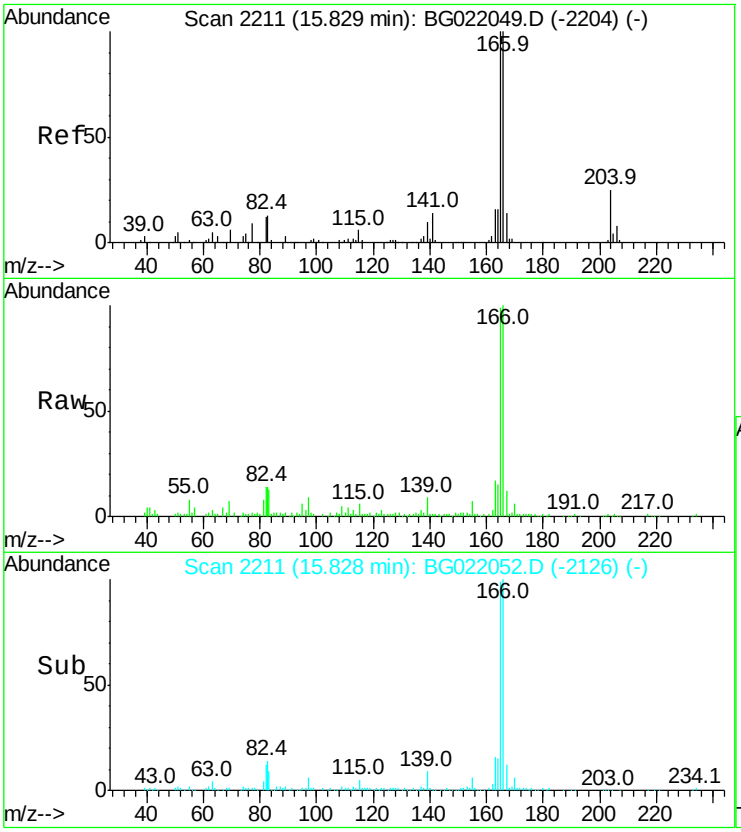


#49
Acenaphthene
Concen: 2.86 ng/ul
RT: 14.85 min Scan# 2044
Delta R.T. -0.00 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Tgt Ion:153 Resp: 24063

Ion	Ratio	Lower	Upper
153	100		
152	52.9	37.3	55.9
154	87.7	68.2	102.2



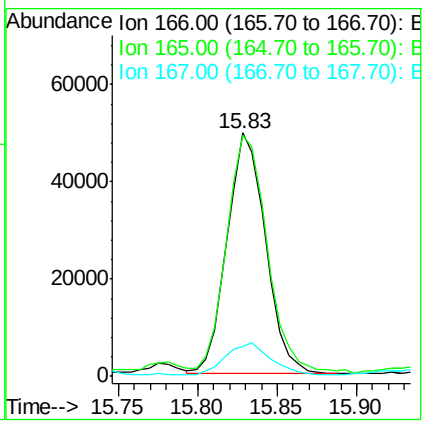


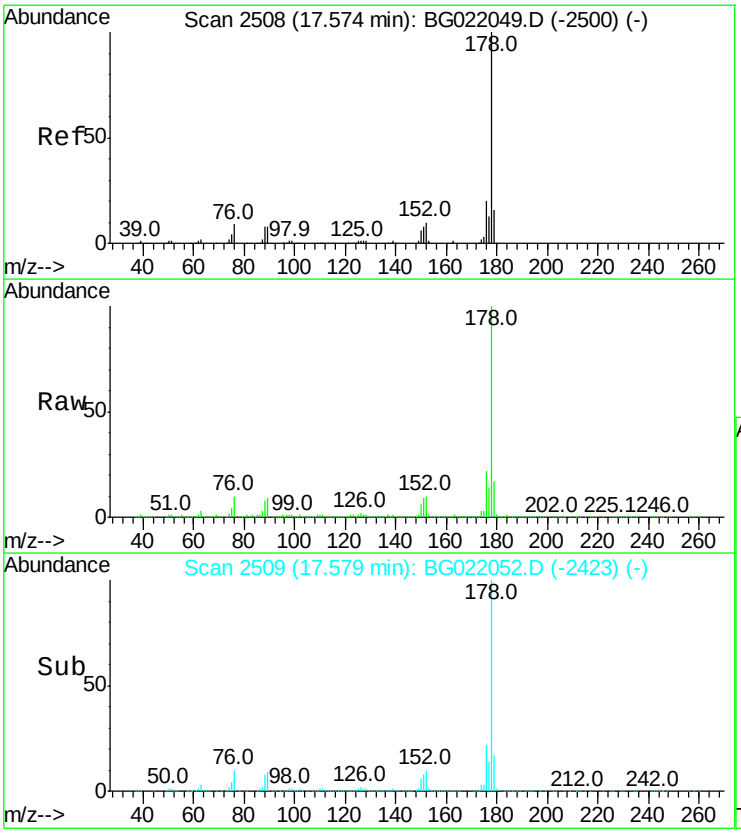
#58
Fluorene
Concen: 9.46 ng/ul
RT: 15.83 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:166 Resp: 83181

Ion	Ratio	Lower	Upper
166	100		
165	99.1	80.3	120.5
167	12.2	10.3	15.5

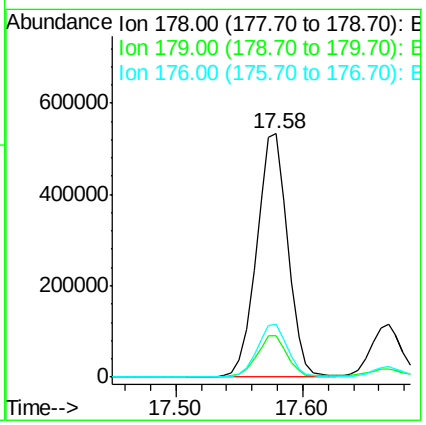


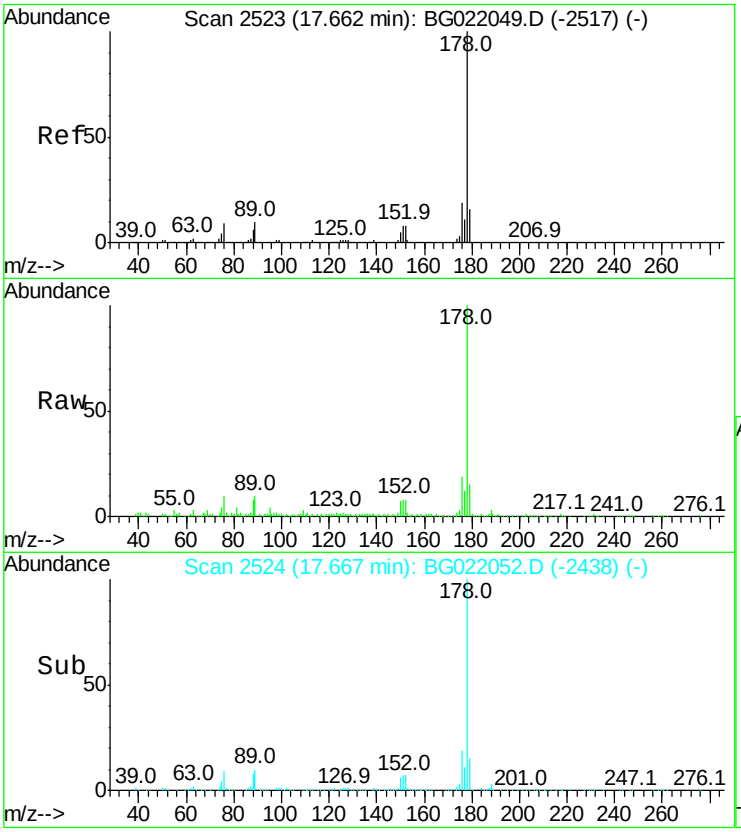


#69
Phenanthrene
Concen: 75.98 ng/ul
RT: 17.58 min Scan# 2509
Delta R.T. 0.00 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Tgt Ion:178 Resp: 910304

Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.9	19.3
176	21.7	15.8	23.8



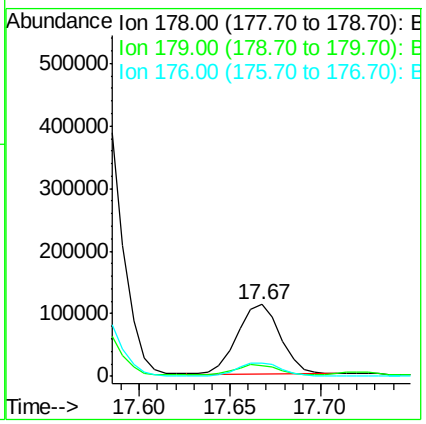


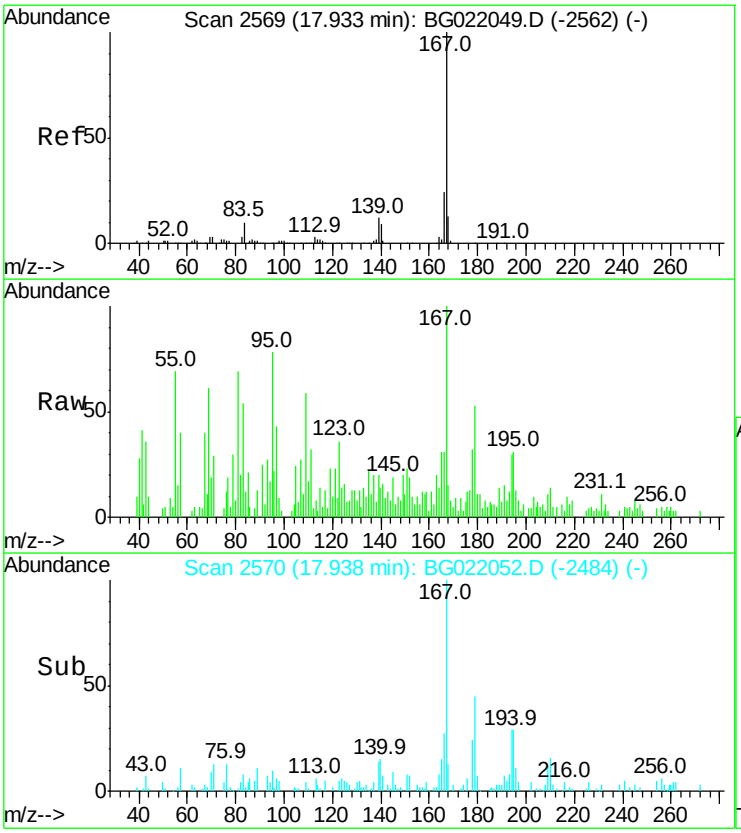
#71
Anthracene
Concen: 15.17 ng/ul
RT: 17.67 min Scan# 2524
Delta R.T. 0.00 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:178 Resp: 184044

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.2	16.3	24.5

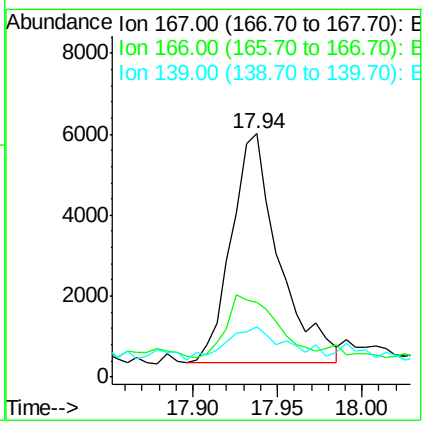


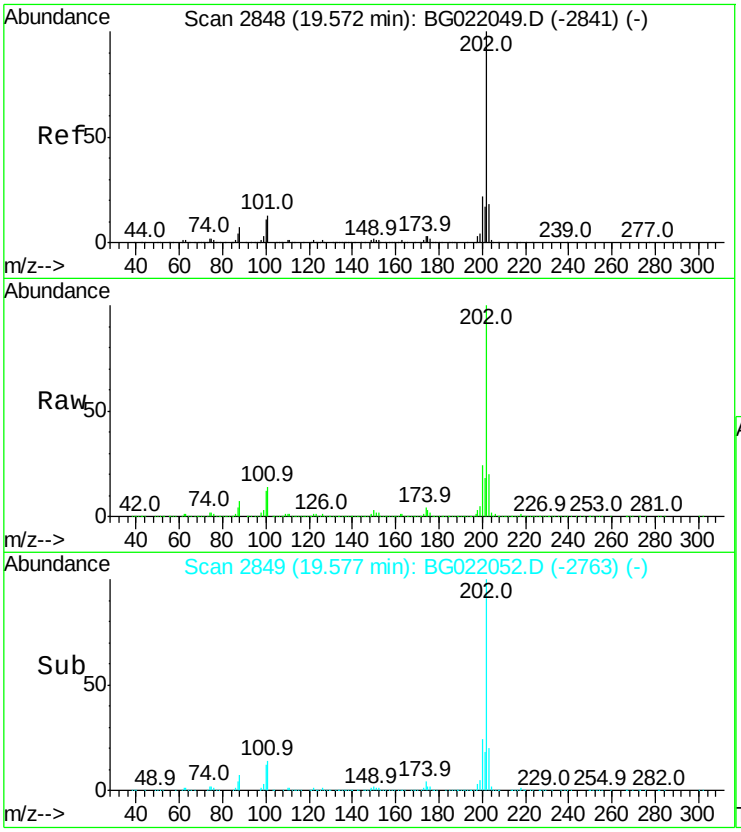


#72
Carbazole
Concen: 1.05 ng/ul
RT: 17.94 min Scan# 2570
Delta R.T. 0.01 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Tgt Ion:167 Resp: 11019

Ion	Ratio	Lower	Upper
167	100		
166	30.8	19.2	28.8#
139	20.5	10.2	15.4#



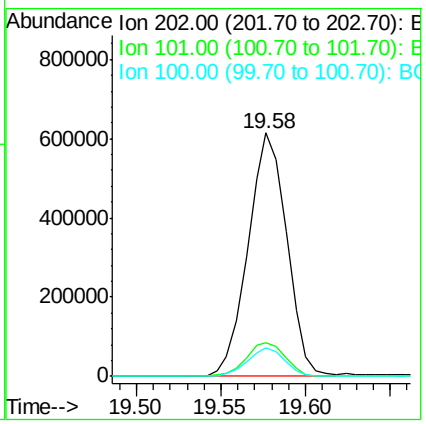


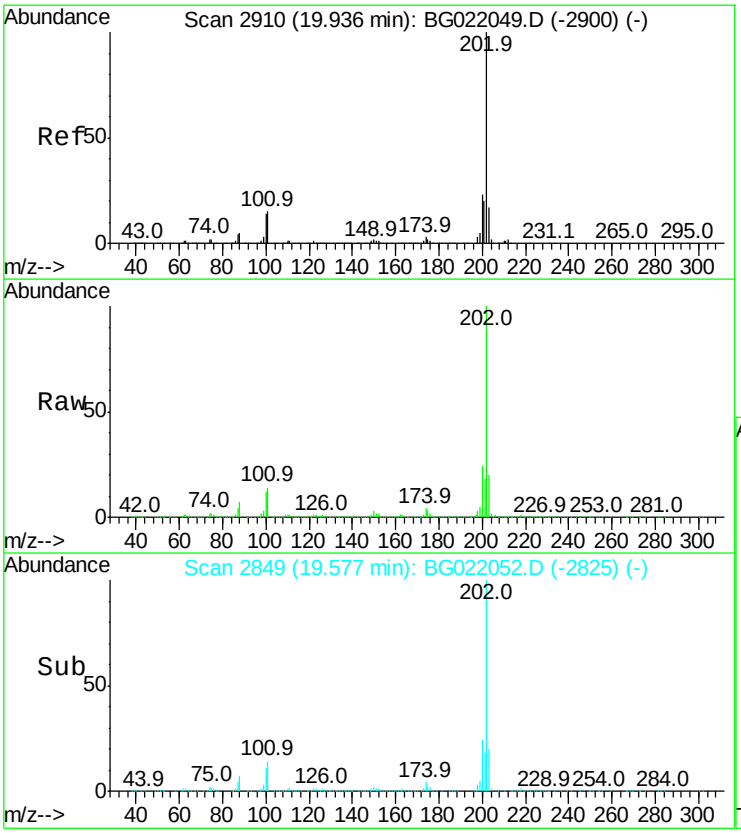
#74
Fluoranthene
Concen: 79.67 ng/ul
RT: 19.58 min Scan# 2849
Delta R.T. 0.01 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:202 Resp: 975436

Ion	Ratio	Lower	Upper
202	100		
101	14.1	10.6	16.0
100	11.5	8.7	13.1

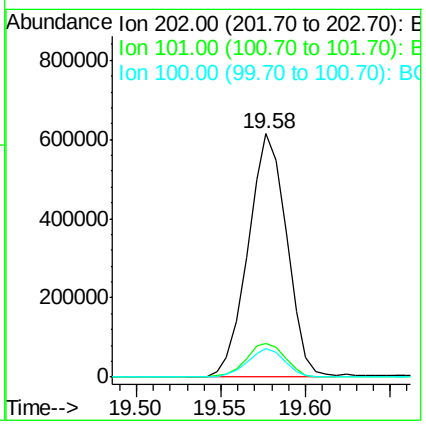


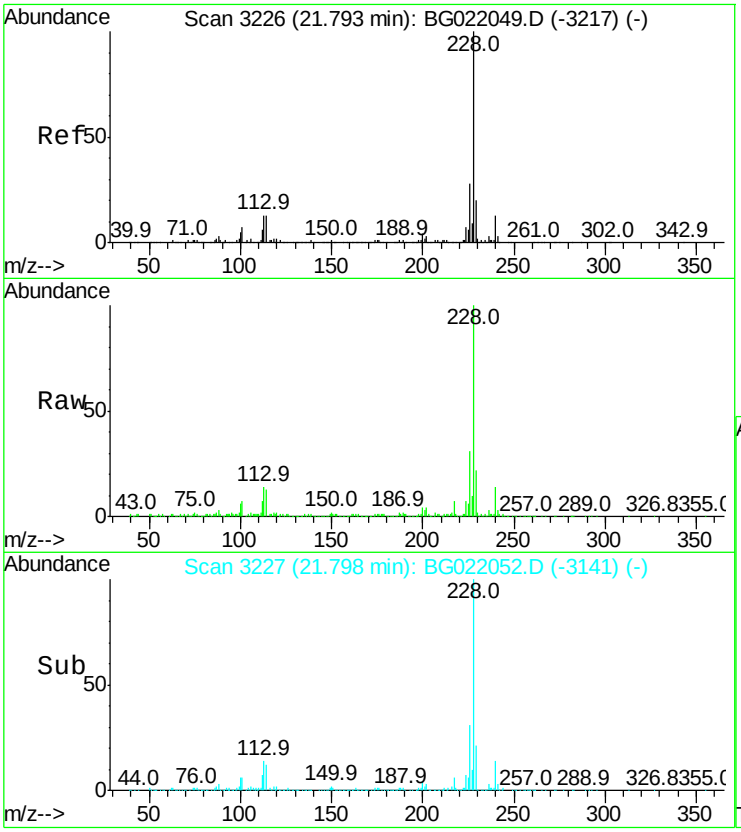


#77
Pyrene
Concen: 70.74 ng/ul
RT: 19.58 min Scan# 2849
Delta R.T. -0.36 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Tgt Ion:202 Resp: 975436

Ion	Ratio	Lower	Upper
202	100		
101	14.1	12.5	18.7
100	11.5	10.2	15.4



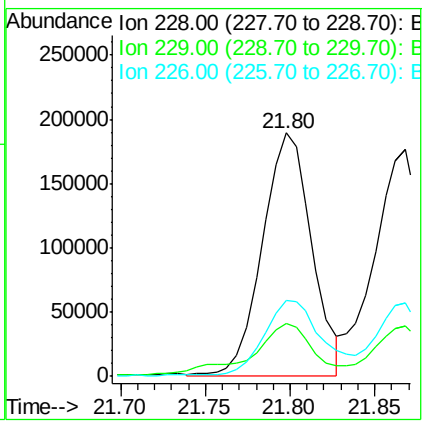


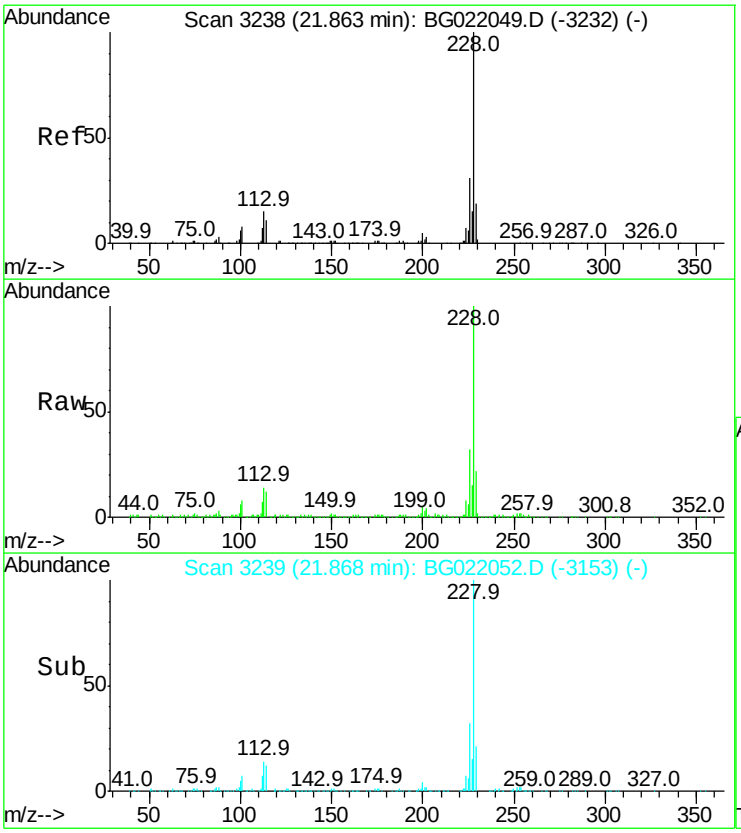
#80
Benzo(a)anthracene
Concen: 33.31 ng/ul
RT: 21.80 min Scan# 3227
Delta R.T. 0.01 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:228 Resp: 382799

Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.4	23.2
226	31.2	22.8	34.2

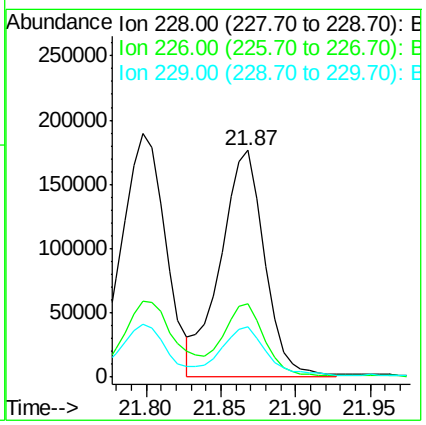


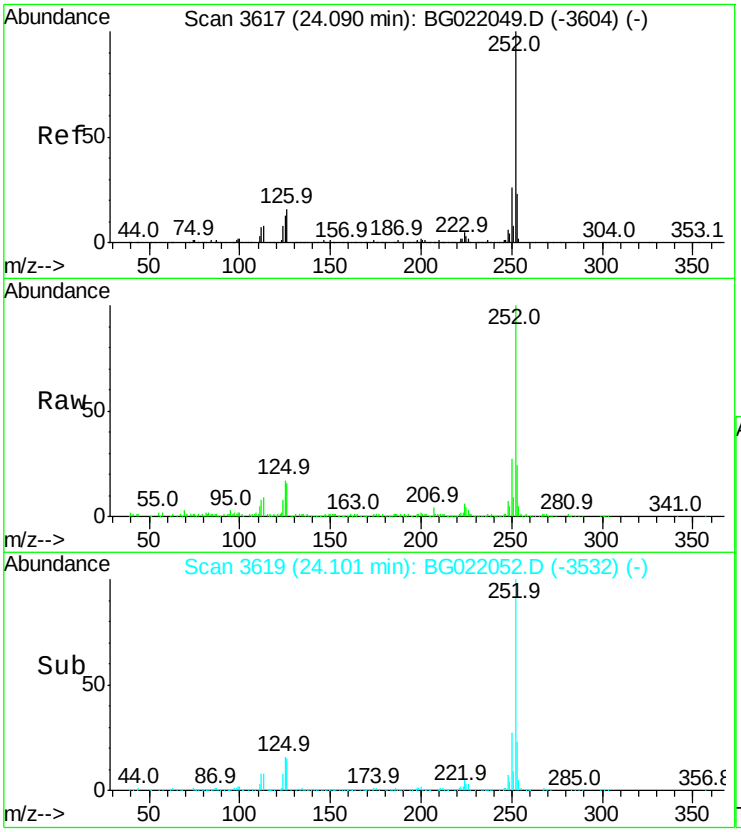


#82
Chrysene
Concen: 32.88 ng/ul
RT: 21.87 min Scan# 3239
Delta R.T. 0.00 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Tgt Ion:228 Resp: 362457

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.2	36.4
229	22.1	15.0	22.6



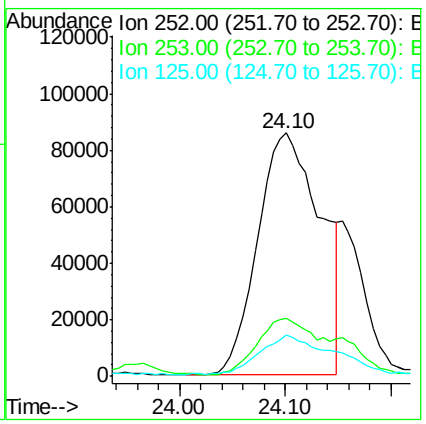


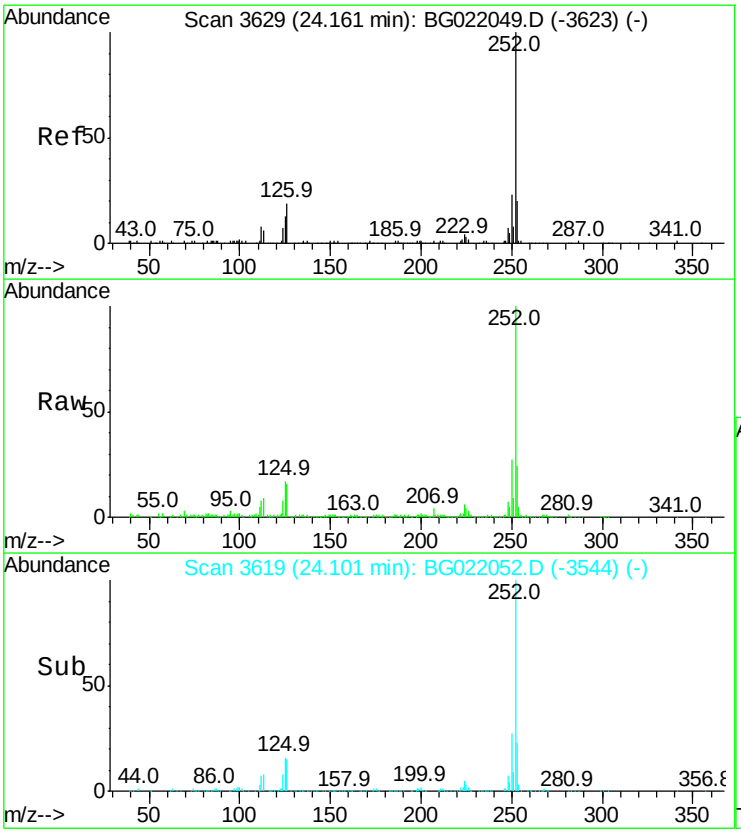
#85
Benzo(b)fluoranthene
Concen: 33.13 ng/ul
RT: 24.10 min Scan# 3619
Delta R.T. 0.01 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 354978

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	17.0	10.8	16.2#

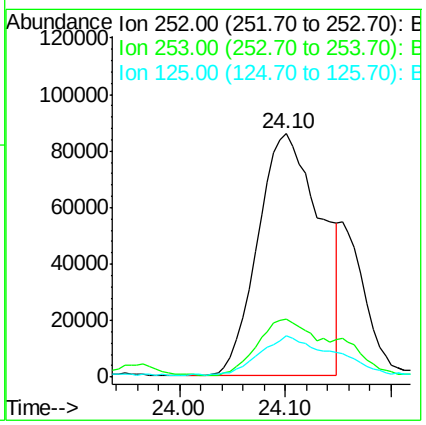


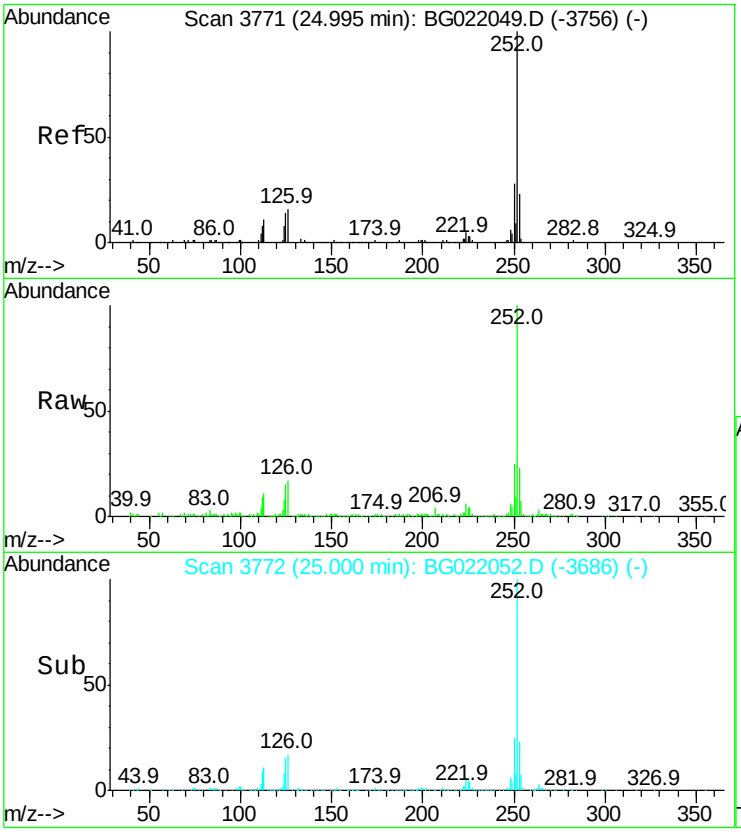


#86
Benzo(k)fluoranthene
Concen: 34.04 ng/ul
RT: 24.10 min Scan# 3619
Delta R.T. -0.06 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Tgt Ion:252 Resp: 354978

Ion	Ratio	Lower	Upper
252	100		
253	23.9	15.8	23.6#
125	17.0	10.6	16.0#



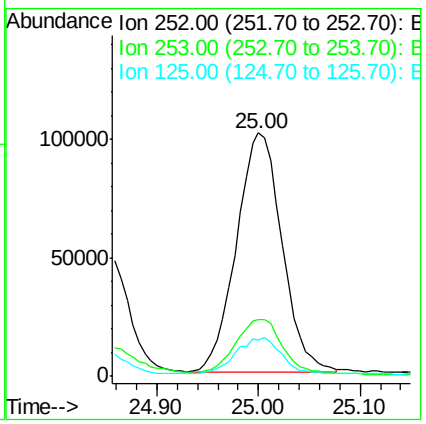


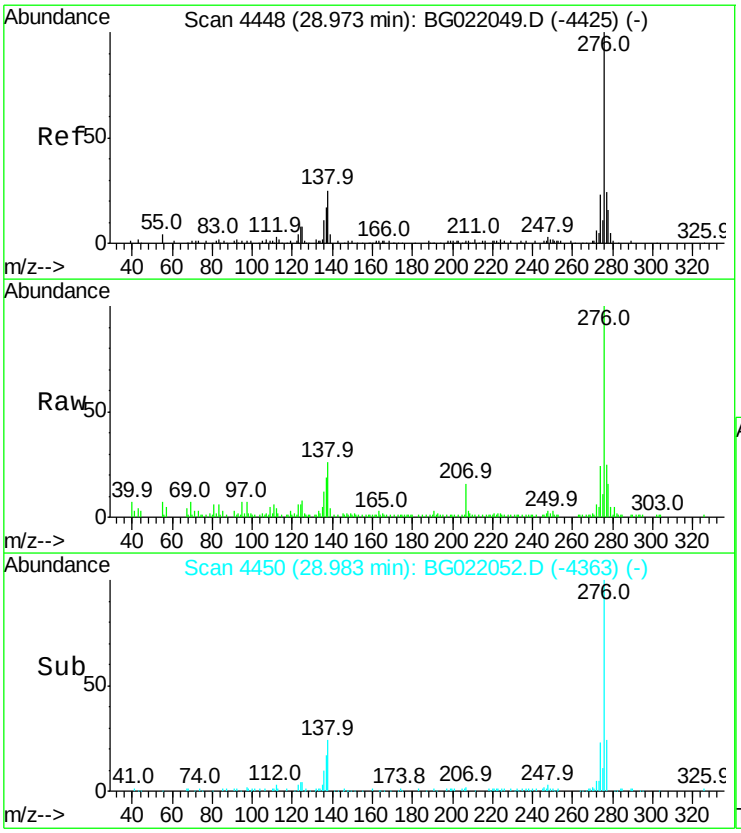
#88
Benzo(a)pyrene
Concen: 30.34 ng/ul
RT: 25.00 min Scan# 3772
Delta R.T. 0.00 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 313672

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.4
125	15.1	12.0	18.0

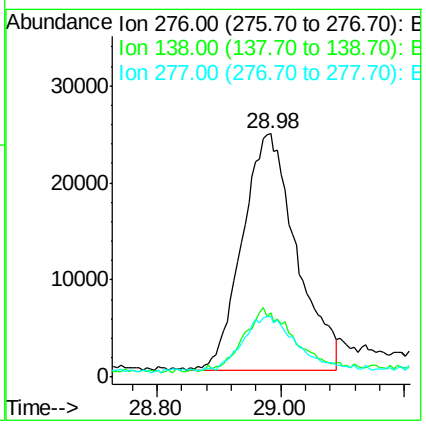


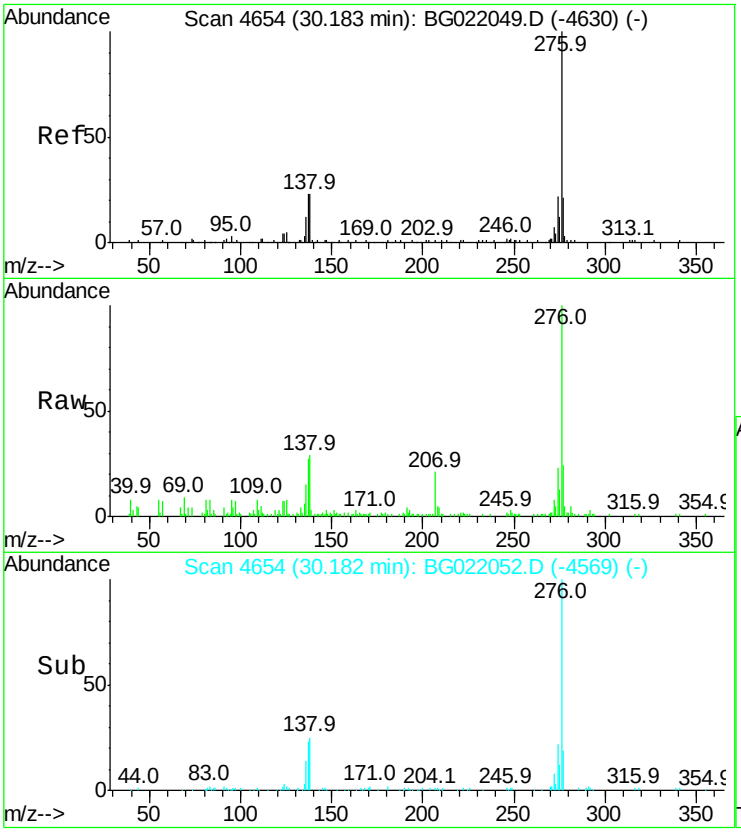


#89
Indeno(1,2,3-cd)pyrene
Concen: 12.55 ng/ul
RT: 28.98 min Scan# 4450
Delta R.T. 0.01 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Tgt Ion:276 Resp: 148720

Ion	Ratio	Lower	Upper
276	100		
138	26.4	20.8	31.2
277	24.7	17.6	26.4





#91
Benzo(g,h,i)perylene
Concen: 12.63 ng/ul
RT: 30.18 min Scan# 4654
Delta R.T. -0.00 min
Lab File: BG022052.D
Acq: 23 May 2016 18:37

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:276 Resp: 119877

Ion	Ratio	Lower	Upper
276	100		
138	29.2	22.1	33.1
277	23.7	17.0	25.4