Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021193.D
Acq On : 1 Mar 2016 21:04
Operator : UM/SJ
Sample : H1578-03 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CEB-7(2.5-5)20160224

Quant Time: Mar 01 23:56:34 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	9400	20.00	ng		-0.01
21) Naphthalene-d8	10.95	136	51515	20.00	ng		-0.01
38) Acenaphthene-d10	14.75	164	32610	20.00	ng		-0.01
63) Phenanthrene-d10	17.49	188	71673	20.00	ng		-0.01
75) Chrysene-d12	21.75	240	74990	20.00	ng		-0.01
86) Perylene-d12	25.03	264	70177	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.70	112	14811	25.05	ng		-0.01
7) Phenol-d6	7.29	99	25808	26.54	ng		-0.01
23) Nitrobenzene-d5	9.30	82	18701	15.36	ng		-0.02
41) 2,4,6-Tribromophenol	16.23	330	6405	18.88	ng		-0.01
44) 2-Fluorobiphenyl	13.38	172	29119	12.68	ng		-0.01
78) Terphenyl-d14	20.07	244	36543	11.81	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	11.00	128	38559	14.36	ng		98
33) 4-Chloroaniline	11.00	127	5413	4.37	ng	#	37
37) 2-Methylnaphthalene	12.59	142	11412	5.97	ng	#	93
48) Acenaphthylene	14.48	152	7434	2.18	ng	#	92
51) Acenaphthene	14.82	154	26006	12.02	ng		97
54) Dibenzofuran	15.14	168	29724	10.29	ng		91
55) 4-Nitrophenol	15.15	139	12651	22.61	ng	#	8
57) Fluorene	15.80	166	39400	14.31	ng		96
70) Phenanthrene	17.54	178	553431	143.08	ng		100
71) Anthracene	17.62	178	84752	21.41	ng		97
72) Carbazole	17.89	167	36370	10.36	ng		98
74) Fluoranthene	19.53	202	550824	121.22	ng		98
77) Pyrene	19.89	202	566874	126.72	ng		97
80) Benzo(a)anthracene	21.74	228	237155	53.42	ng		98
82) Chrysene	21.80	228	250212	59.47	ng		98
85) Indeno(1,2,3-cd)pyrene	28.75	276	112224	23.26	ng	#	100
87) Benzo(b)fluoranthene	23.99	252	263037	59.59	ng		96
88) Benzo(k)fluoranthene	23.99	252	263037	59.50	ng		95
89) Benzo(a)pyrene	24.87	252	202214	47.38	ng		94
90) Dibenzo(a,h)anthracene	28.99	278	9761	2.31	ng		97
91) Benzo(g,h,i)perylene	29.93	276	112867	27.67	ng	#	91

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030116\
Data File : BG021193.D
Acq On : 1 Mar 2016 21:04
Operator : UM/SJ
Sample : H1578-03 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Quant Time: Mar 01 23:56:34 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 2016
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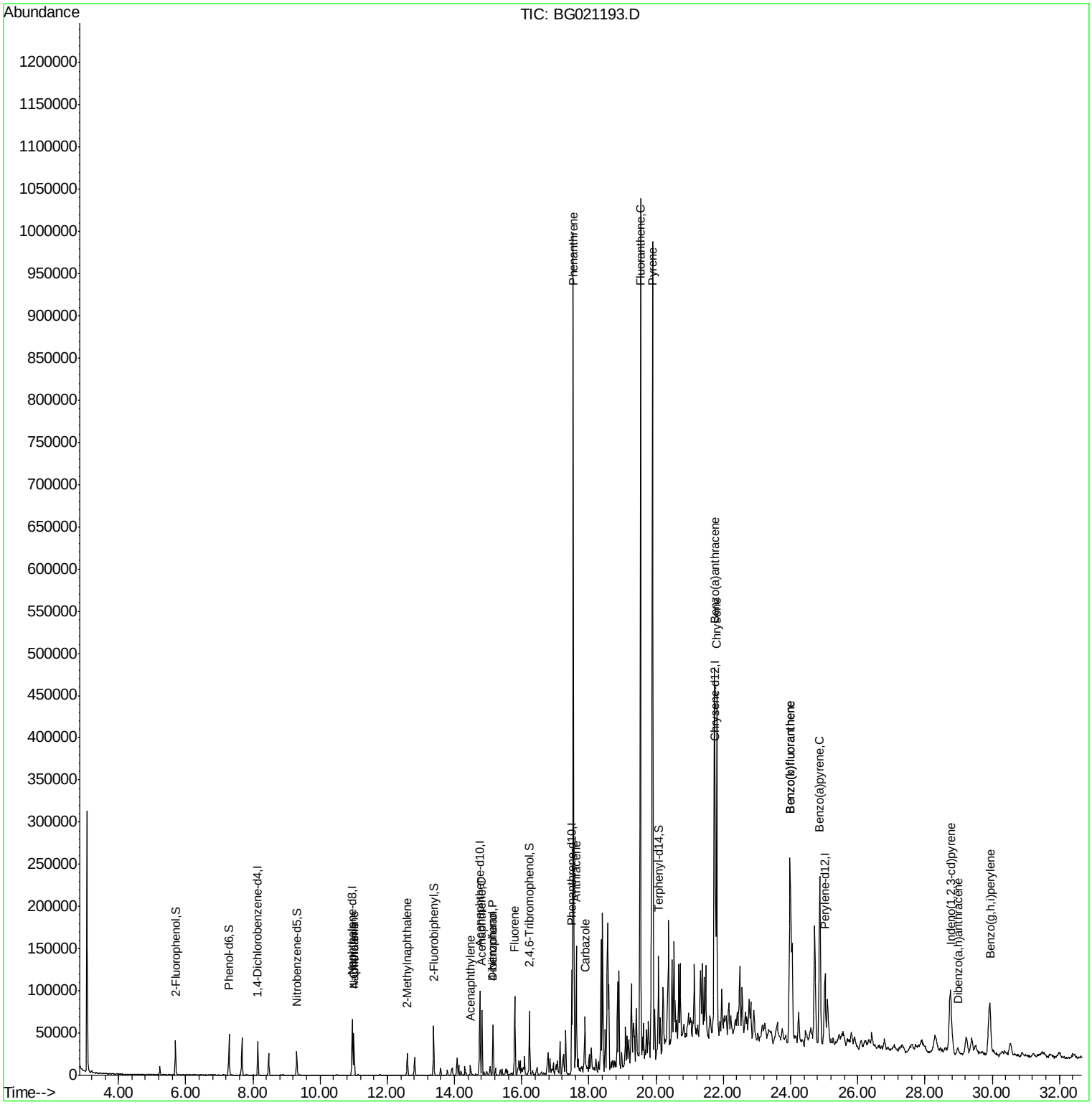
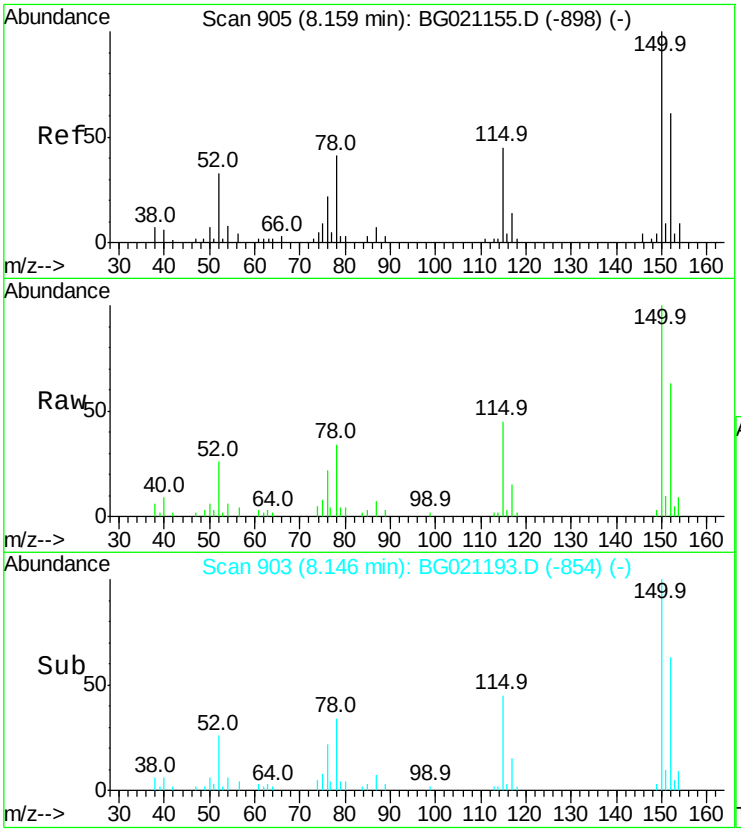


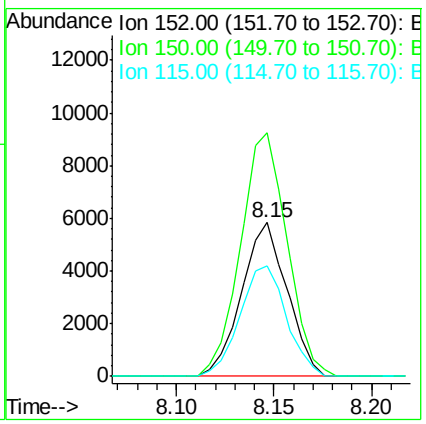


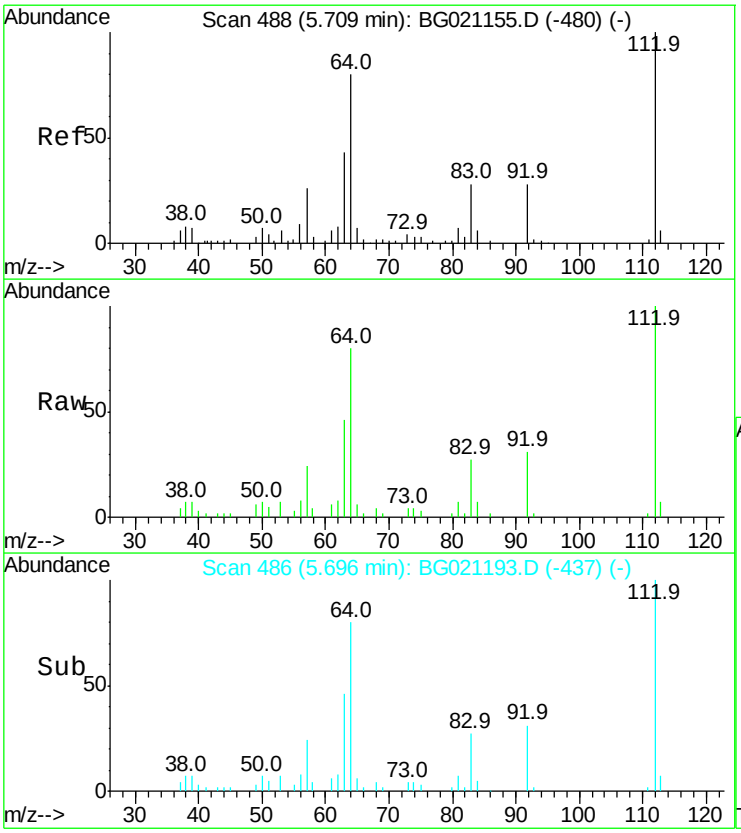
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 903
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:152 Resp: 9400

Ion	Ratio	Lower	Upper
152	100		
150	158.5	123.4	185.2
115	71.7	43.3	64.9#

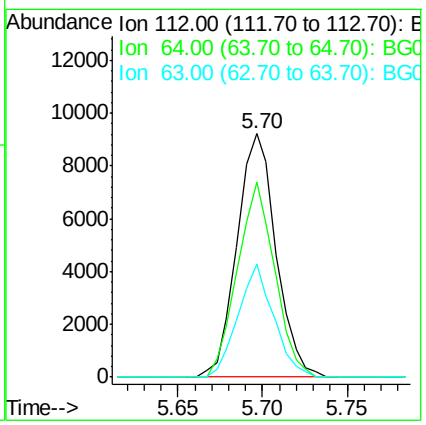


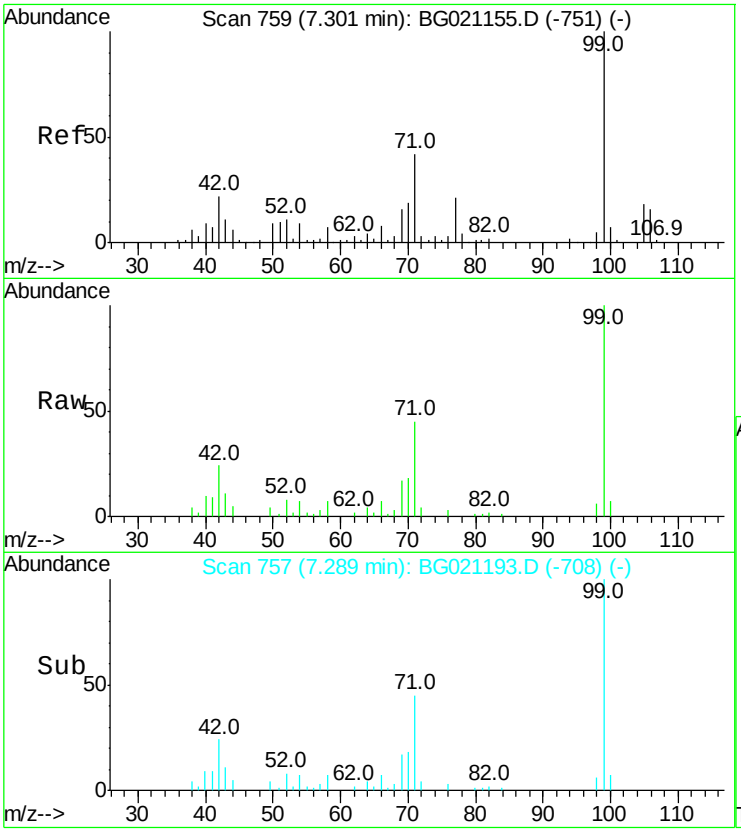


#5
2-Fluorophenol
Concen: 25.05 ng
RT: 5.70 min Scan# 486
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:112 Resp: 14811

Ion	Ratio	Lower	Upper
112	100		
64	80.0	42.6	63.8#
63	46.2	21.7	32.5#



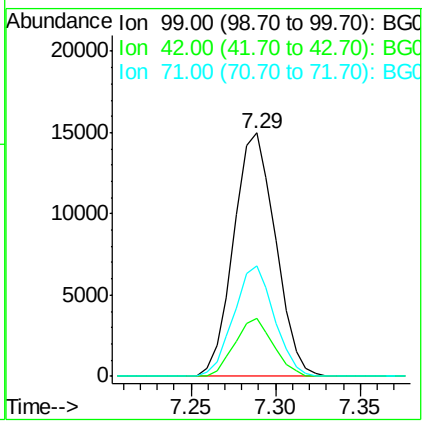


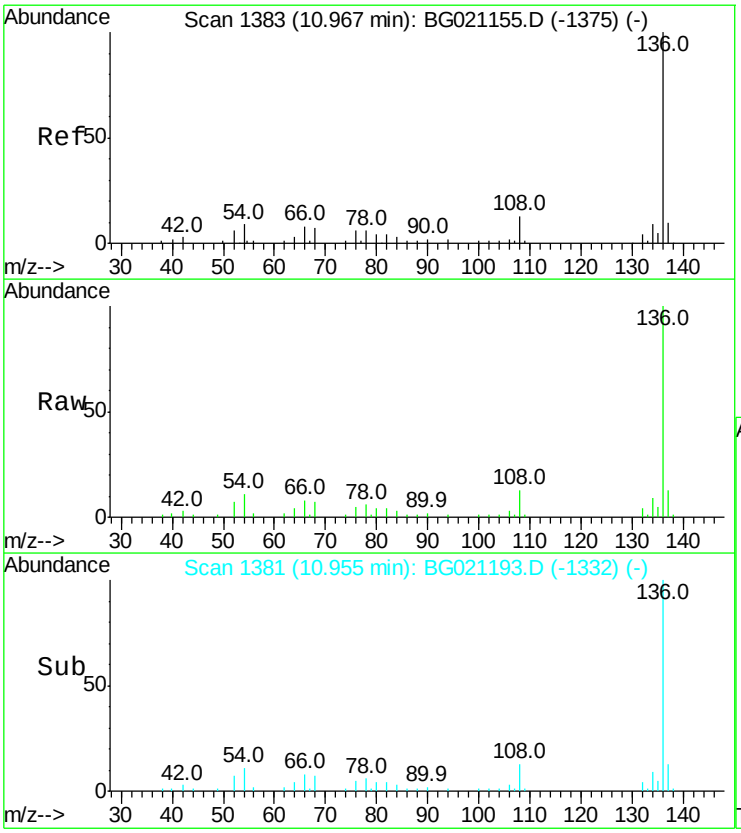
#7
Phenol-d6
Concen: 26.54 ng
RT: 7.29 min Scan# 757
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion: 99 Resp: 25808

Ion	Ratio	Lower	Upper
99	100		
42	23.7	13.2	19.8#
71	45.4	25.2	37.8#

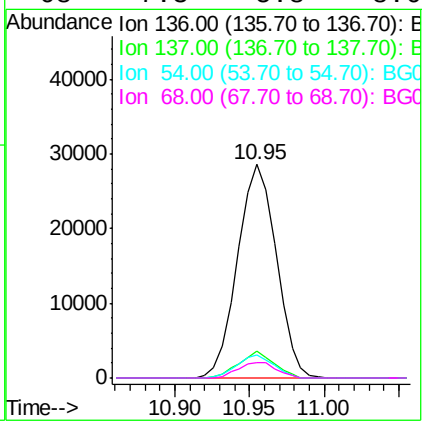


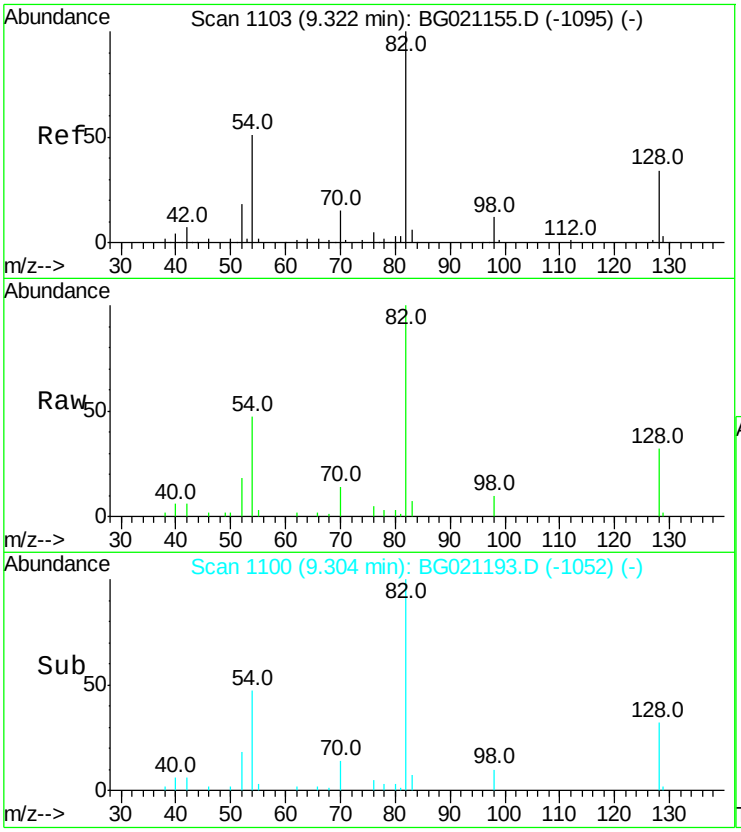


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.95 min Scan# 1381
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:136 Resp: 51515

Ion	Ratio	Lower	Upper
136	100		
137	12.5	8.8	13.2
54	11.1	6.9	10.3#
68	7.3	5.8	8.6



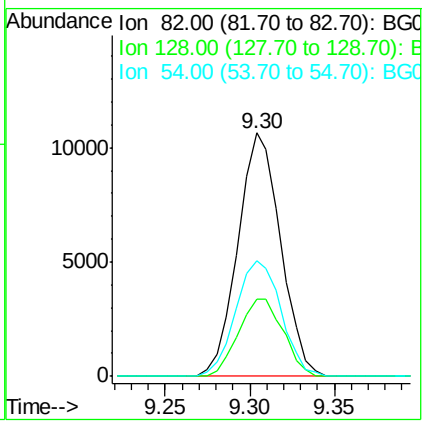


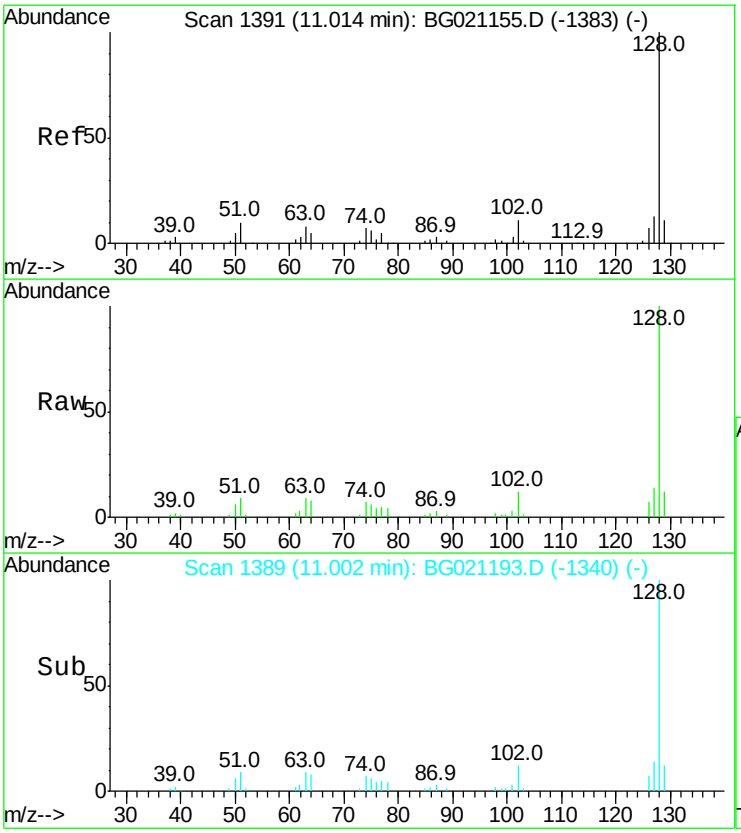
#23
Nitrobenzene-d5
Concen: 15.36 ng
RT: 9.30 min Scan# 1100
Delta R.T. -0.02 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion: 82 Resp: 18701

Ion	Ratio	Lower	Upper
82	100		
128	31.7	36.3	54.5#
54	47.2	37.6	56.4

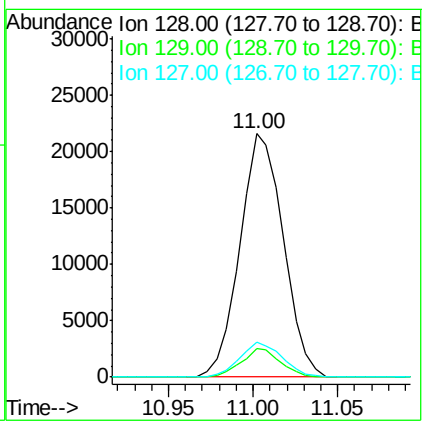


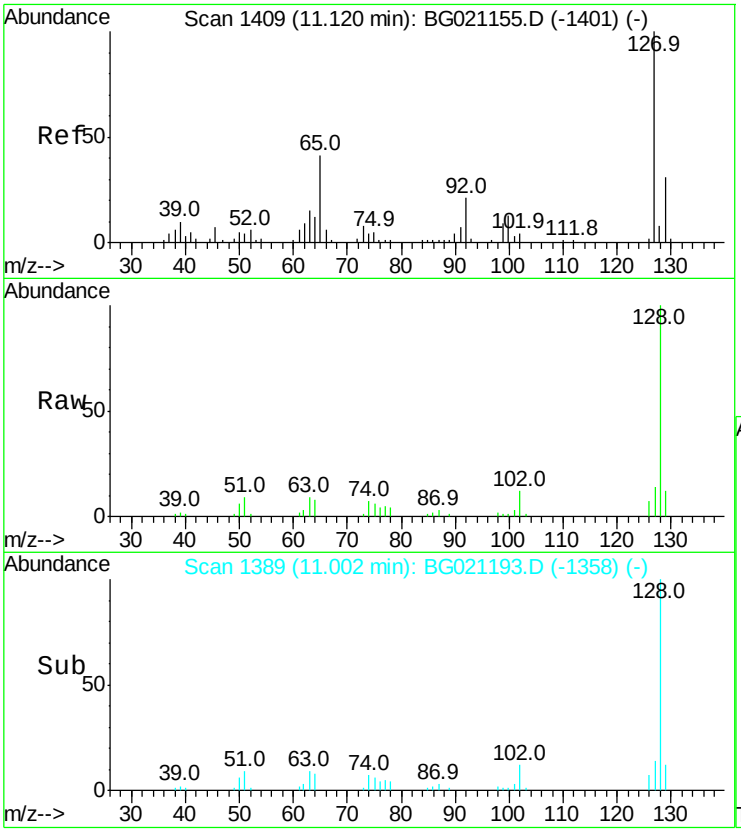


#31
Naphthalene
Concen: 14.36 ng
RT: 11.00 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:128 Resp: 38559

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.4	14.2
127	14.4	10.8	16.2



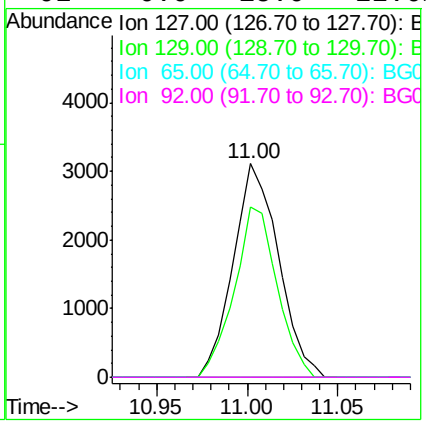


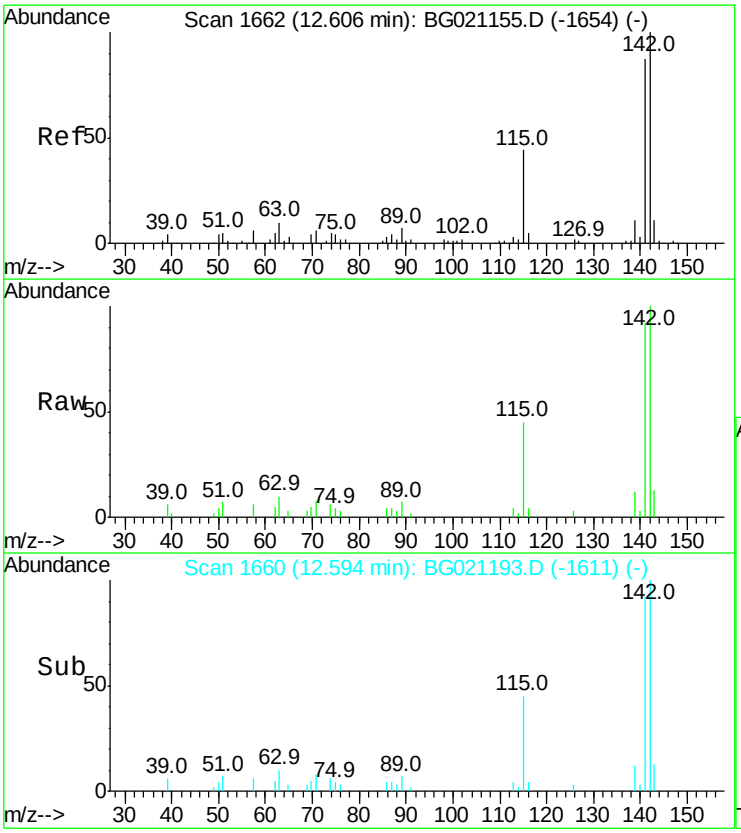
#33
4-Chloroaniline
Concen: 4.37 ng
RT: 11.00 min Scan# 1389
Delta R.T. -0.12 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:127 Resp: 5413

Ion	Ratio	Lower	Upper
127	100		
129	79.9	26.2	39.2#
65	0.0	22.9	34.3#
92	0.0	15.0	22.6#

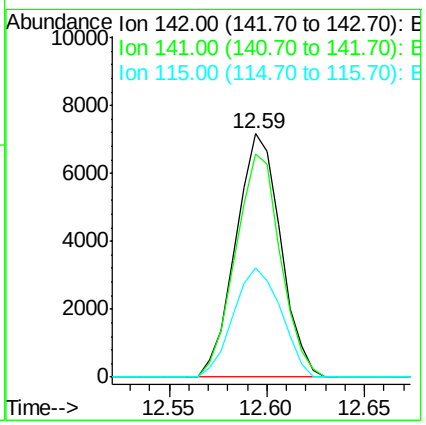


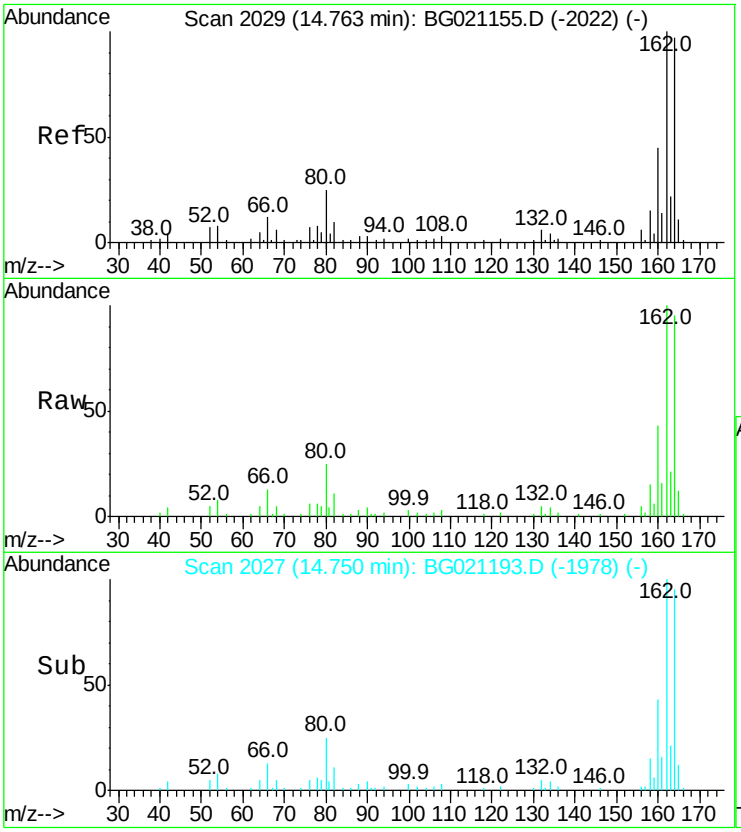


#37
2-Methylnaphthalene
Concen: 5.97 ng
RT: 12.59 min Scan# 1660
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:142 Resp: 11412

Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.7	107.5
115	44.8	26.2	39.4#



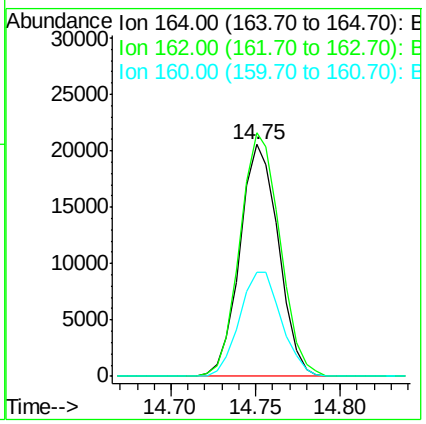


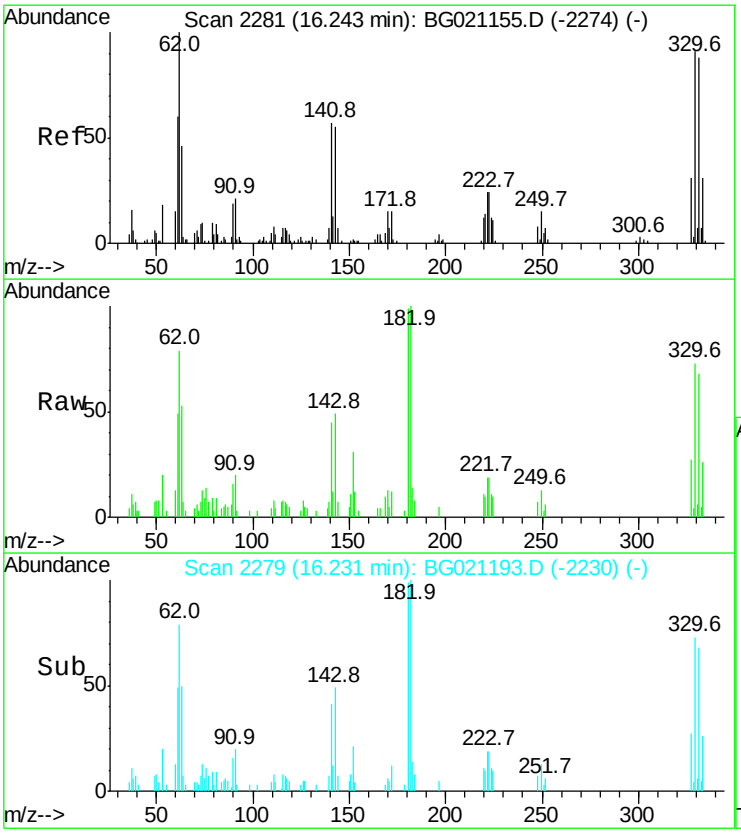
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:164 Resp: 32610

Ion	Ratio	Lower	Upper
164	100		
162	104.9	80.6	120.8
160	44.6	36.5	54.7

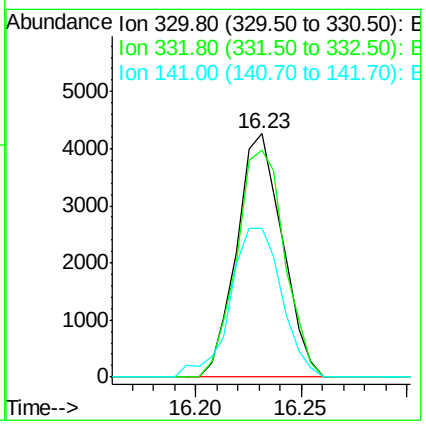


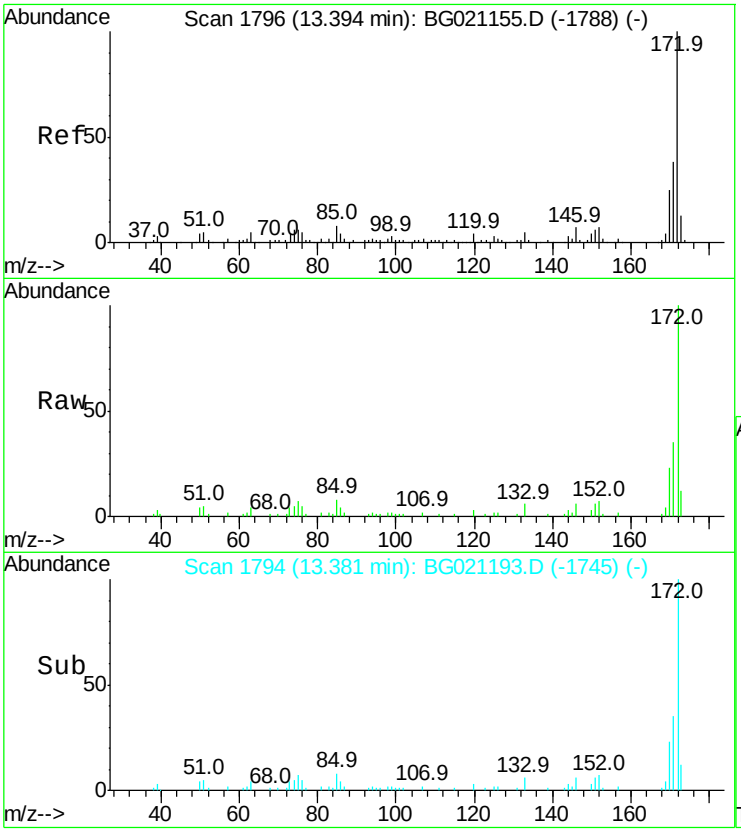


#41
2,4,6-Tribromophenol
Concen: 18.88 ng
RT: 16.23 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:330 Resp: 6405

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.4	116.0
141	68.8	35.3	52.9#



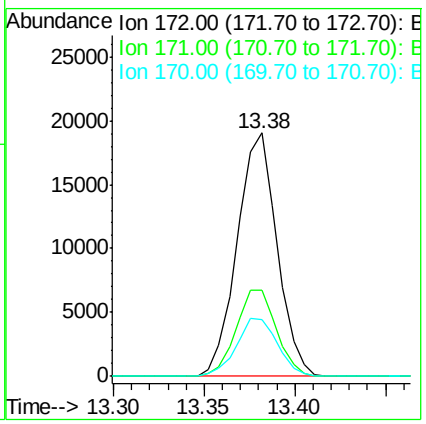


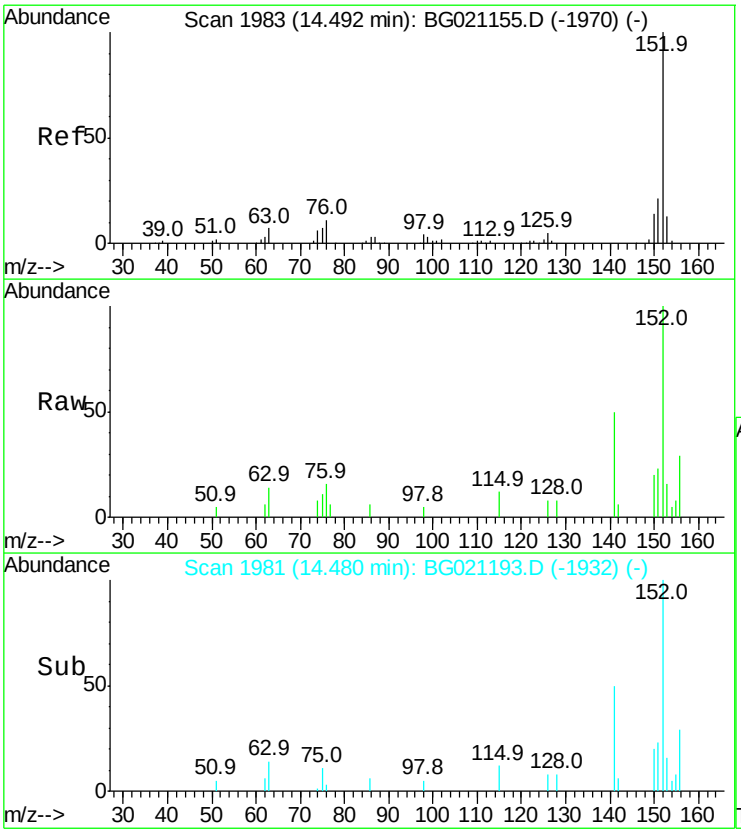
#44
2-Fluorobiphenyl
Concen: 12.68 ng
RT: 13.38 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:172 Resp: 29119

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.4	44.0
170	23.1	19.8	29.8

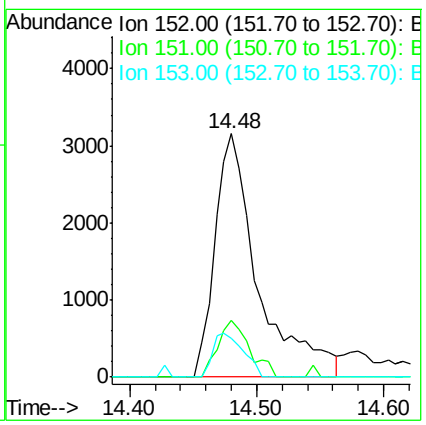


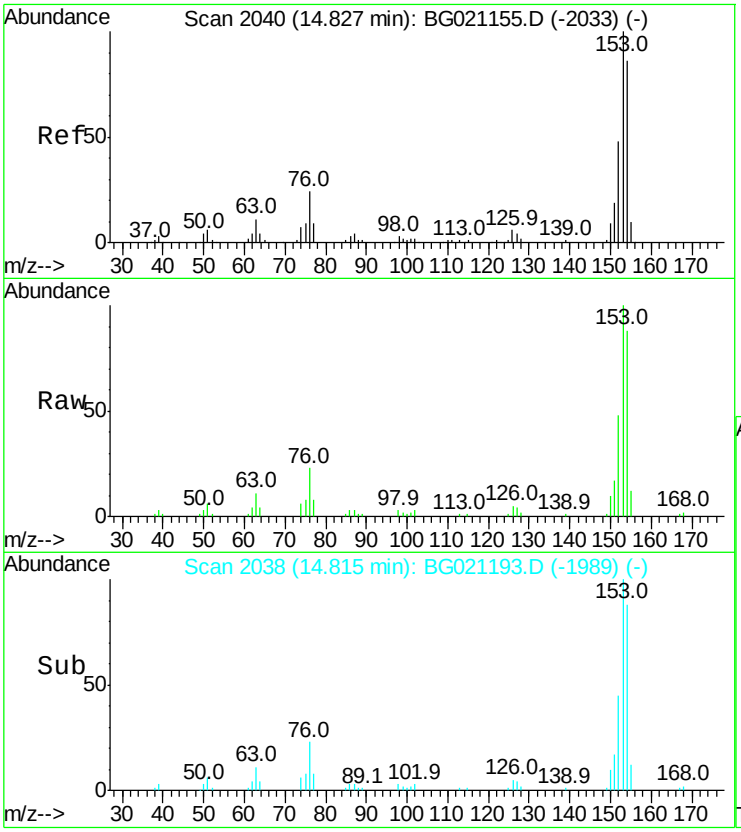


#48
Acenaphthylene
Concen: 2.18 ng
RT: 14.48 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:152 Resp: 7434

Ion	Ratio	Lower	Upper
152	100		
151	23.5	15.9	23.9
153	15.7	10.2	15.2#



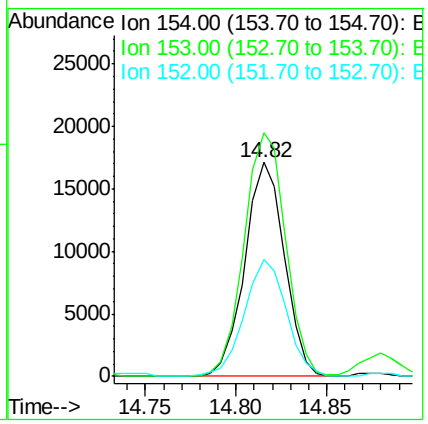


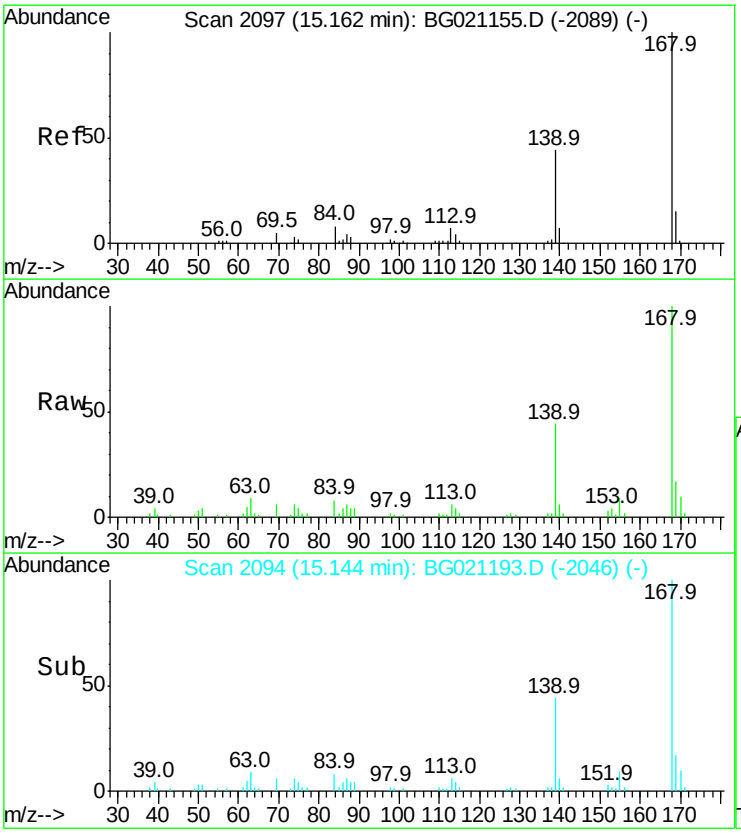
#51
Acenaphthene
Concen: 12.02 ng
RT: 14.82 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:154 Resp: 26006

Ion	Ratio	Lower	Upper
154	100		
153	113.7	94.2	141.2
152	54.4	42.9	64.3

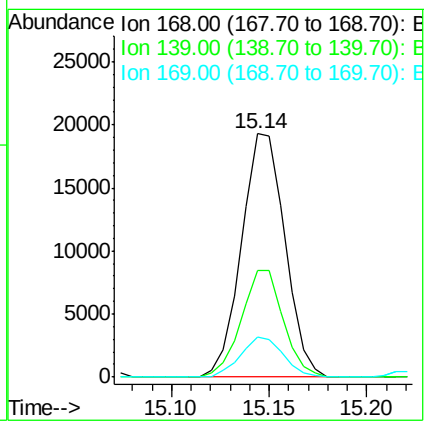


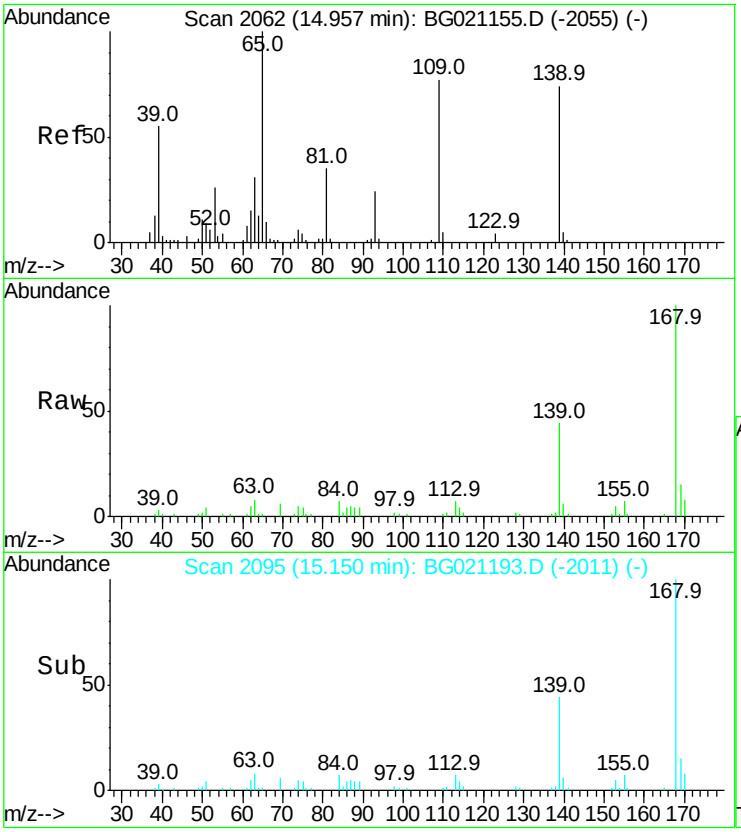


#54
Dibenzofuran
Concen: 10.29 ng
RT: 15.14 min Scan# 2094
Delta R.T. -0.02 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:168 Resp: 29724

Ion	Ratio	Lower	Upper
168	100		
139	43.7	29.8	44.8
169	16.6	11.4	17.2



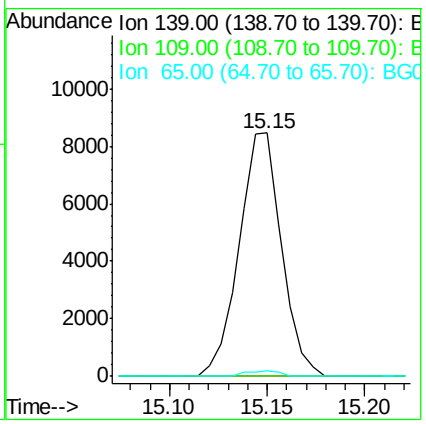


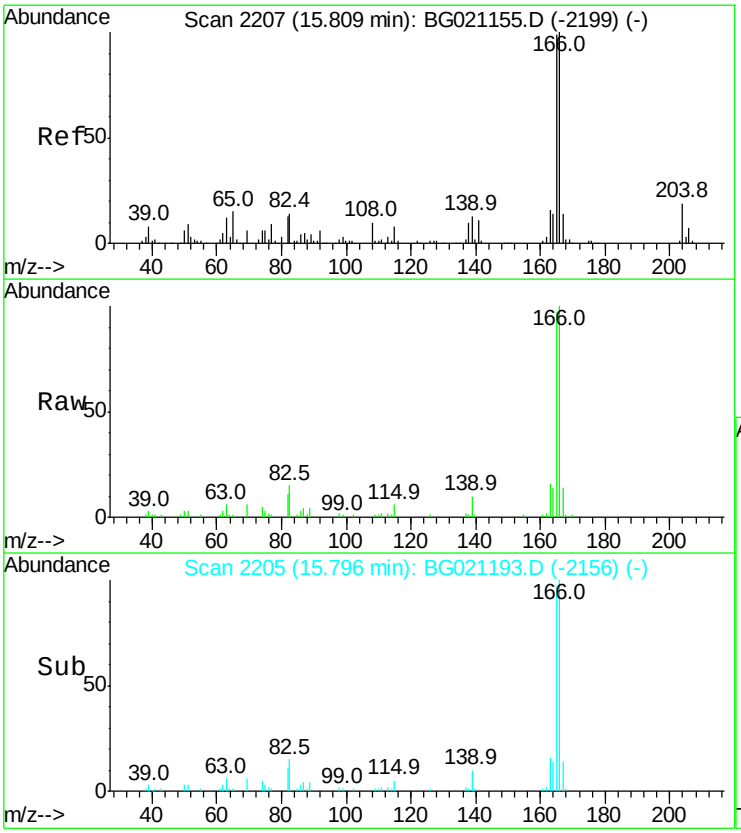
#55
4-Nitrophenol
Concen: 22.61 ng
RT: 15.15 min Scan# 2095
Delta R.T. 0.19 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:139 Resp: 12651

Ion	Ratio	Lower	Upper
139	100		
109	0.0	54.1	94.1#
65	2.1	73.4	113.4#

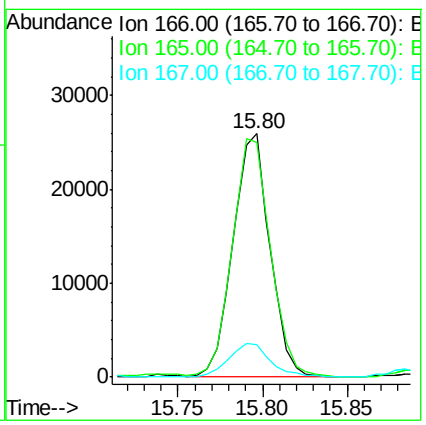


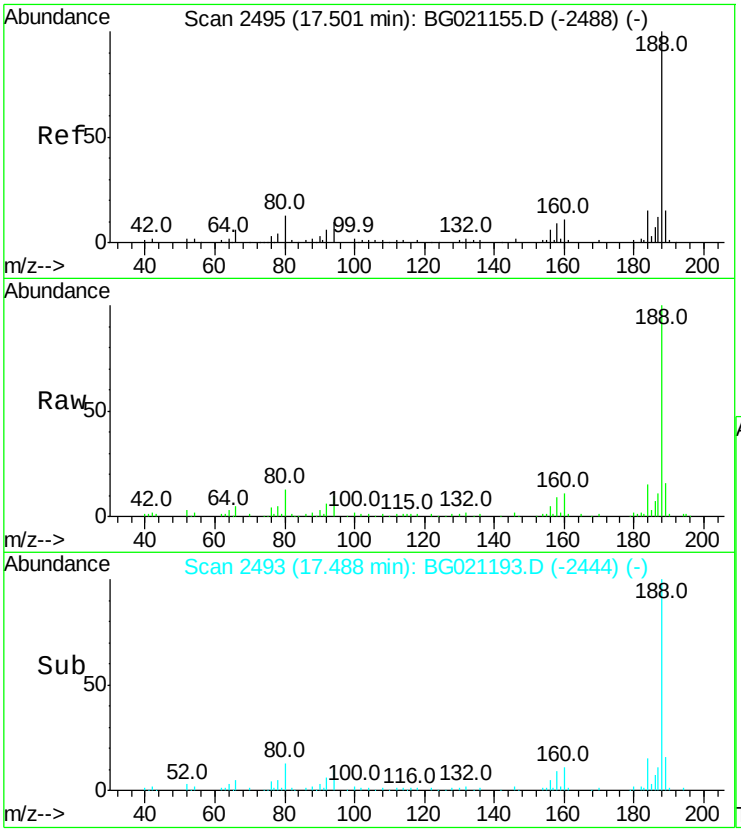


#57
Fluorene
Concen: 14.31 ng
RT: 15.80 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:166 Resp: 39400

Ion	Ratio	Lower	Upper
166	100		
165	96.6	81.3	121.9
167	13.5	10.6	16.0



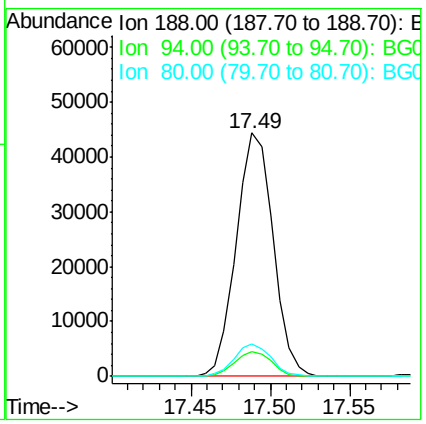


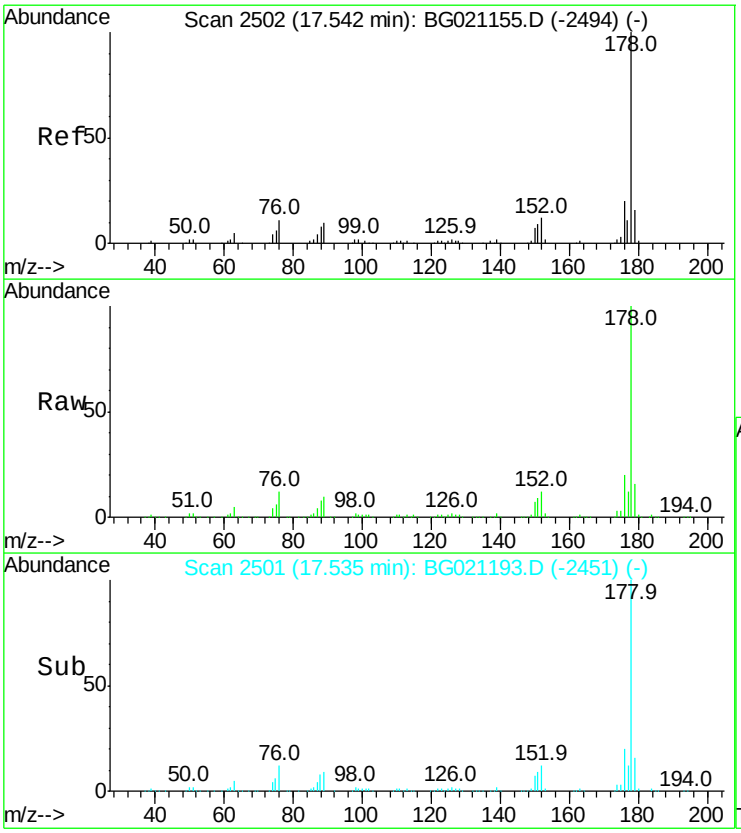
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:188 Resp: 71673

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.2	12.4
80	13.4	9.2	13.8

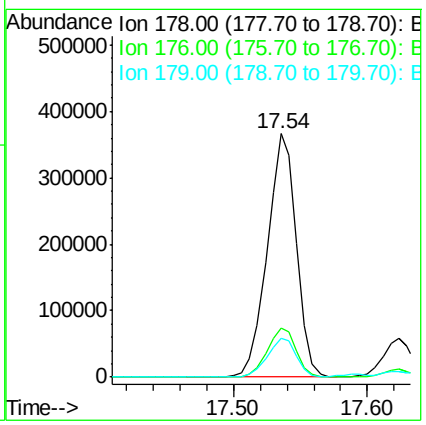


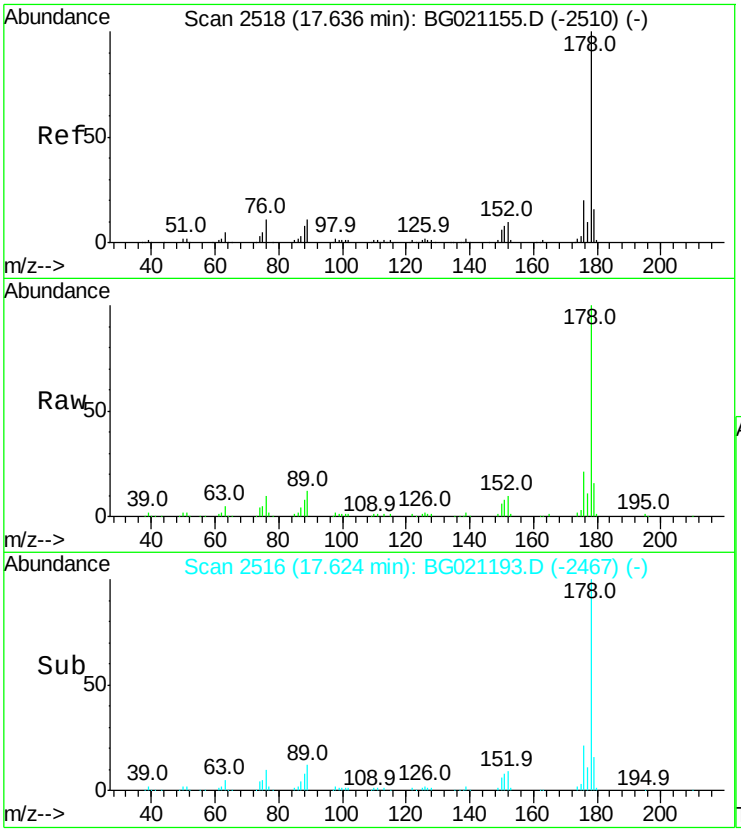


#70
Phenanthrene
Concen: 143.08 ng
RT: 17.54 min Scan# 2501
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:178 Resp: 553431

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.2	24.4
179	16.1	12.9	19.3



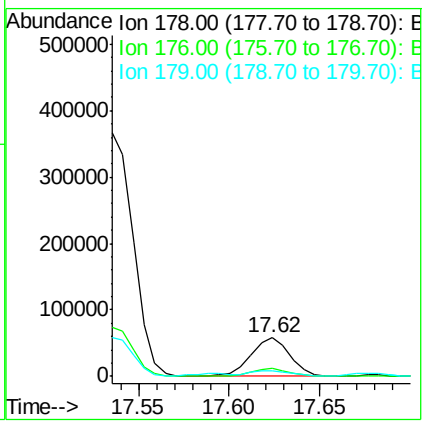


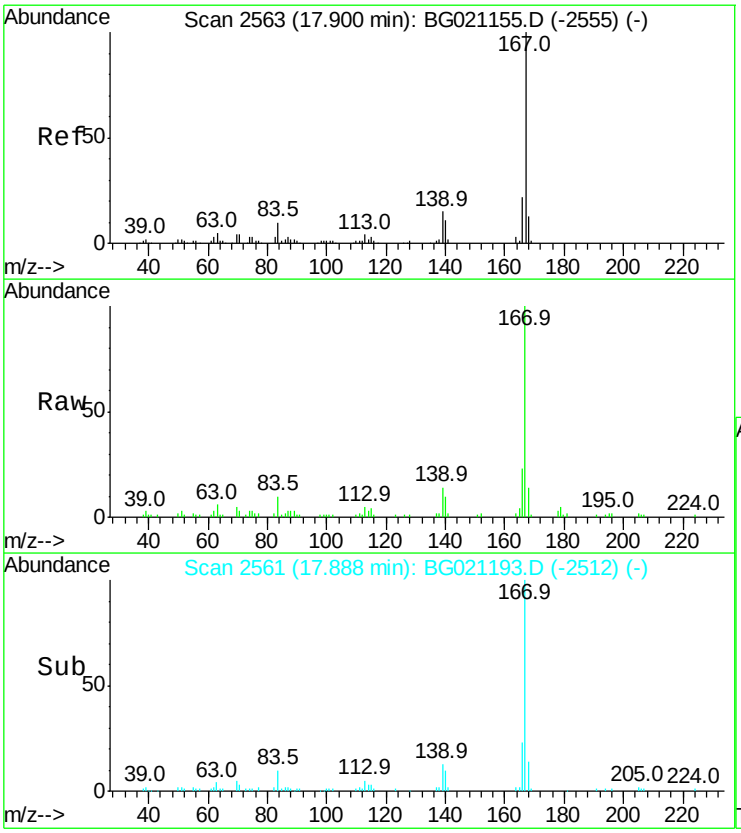
#71
Anthracene
Concen: 21.41 ng
RT: 17.62 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:178 Resp: 84752

Ion	Ratio	Lower	Upper
178	100		
176	20.6	14.8	22.2
179	15.7	12.6	19.0

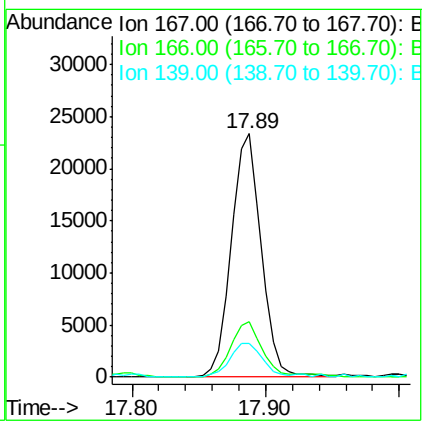


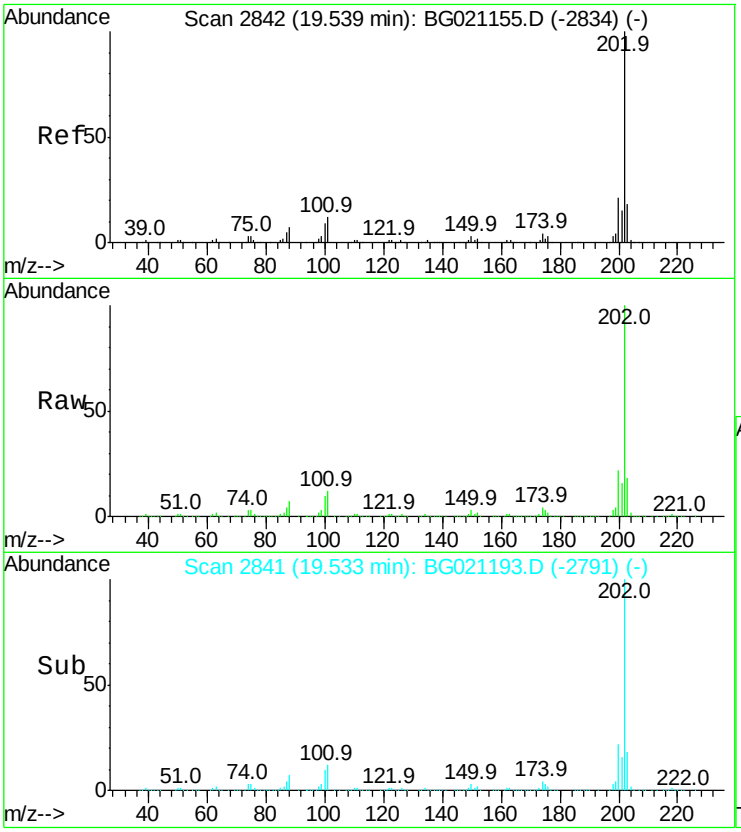


#72
Carbazole
Concen: 10.36 ng
RT: 17.89 min Scan# 2561
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:167 Resp: 36370

Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.5	26.3
139	13.9	10.3	15.5



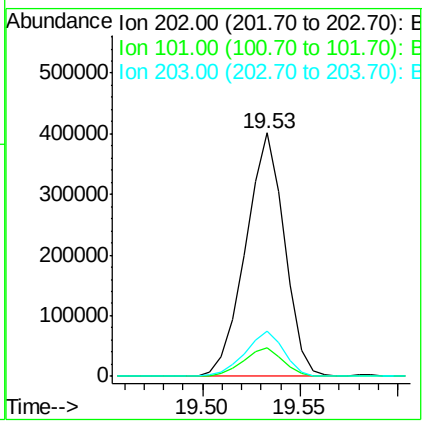


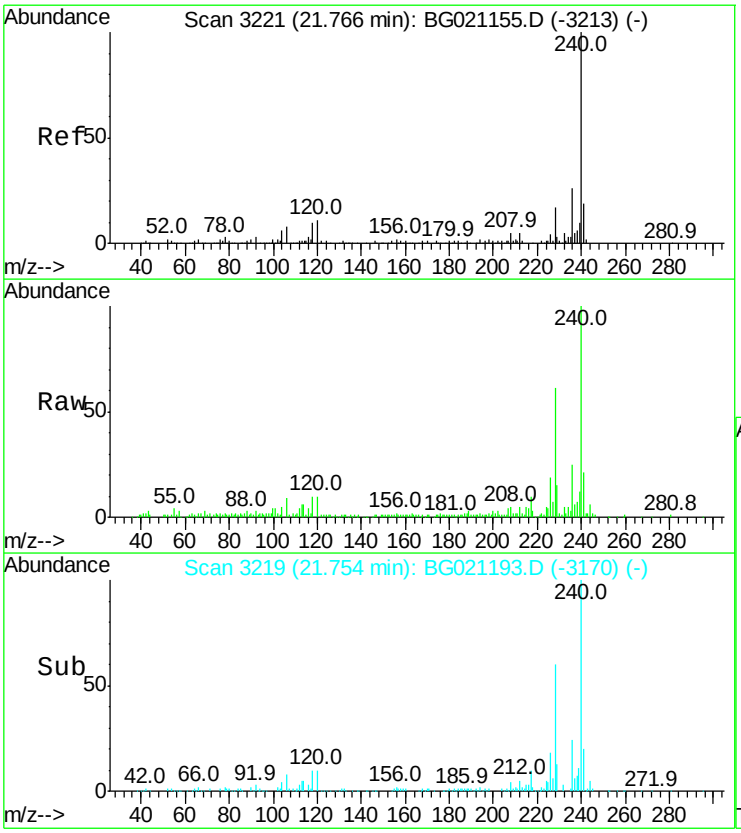
#74
Fluoranthene
Concen: 121.22 ng
RT: 19.53 min Scan# 2841
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:202 Resp: 550824

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.5
203	18.4	0.0	37.6

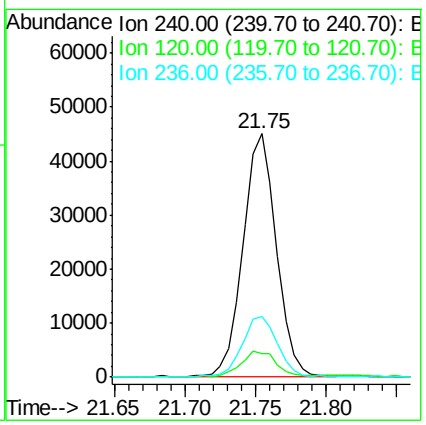


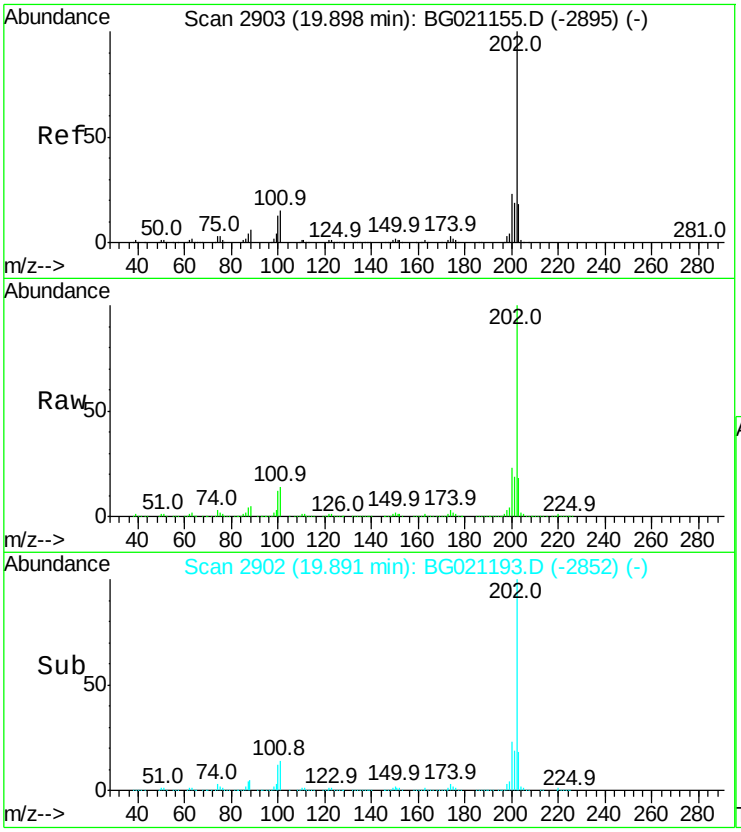


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.75 min Scan# 3219
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:240 Resp: 74990

Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.5	11.3
236	25.1	20.5	30.7



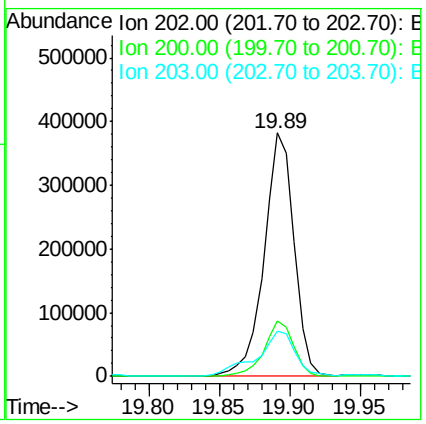


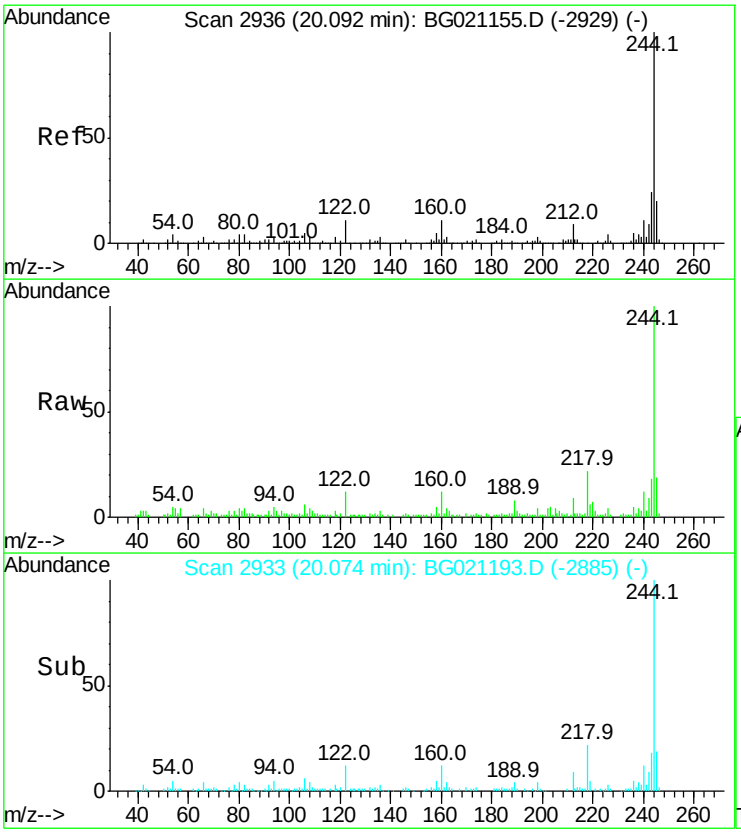
#77
Pyrene
Concen: 126.72 ng
RT: 19.89 min Scan# 2902
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:202 Resp: 566874

Ion	Ratio	Lower	Upper
202	100		
200	22.5	16.6	25.0
203	18.5	13.8	20.8

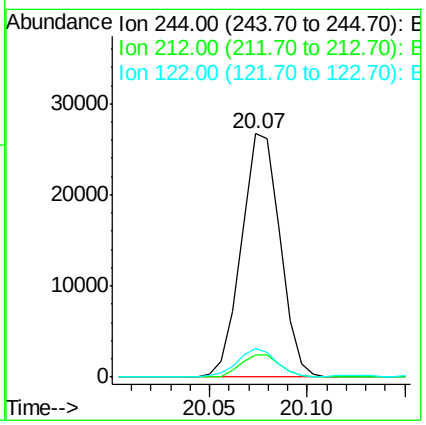


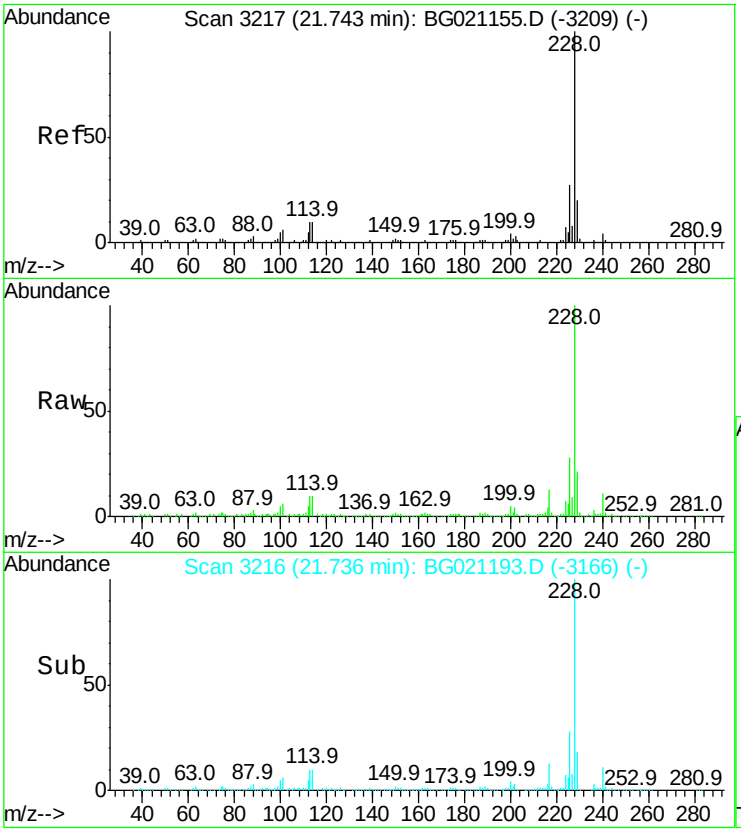


#78
Terphenyl-d14
Concen: 11.81 ng
RT: 20.07 min Scan# 2933
Delta R.T. -0.02 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:244 Resp: 36543

Ion	Ratio	Lower	Upper
244	100		
212	8.9	5.8	8.6#
122	11.8	8.3	12.5



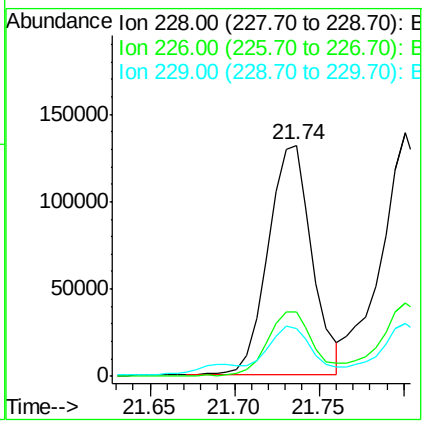


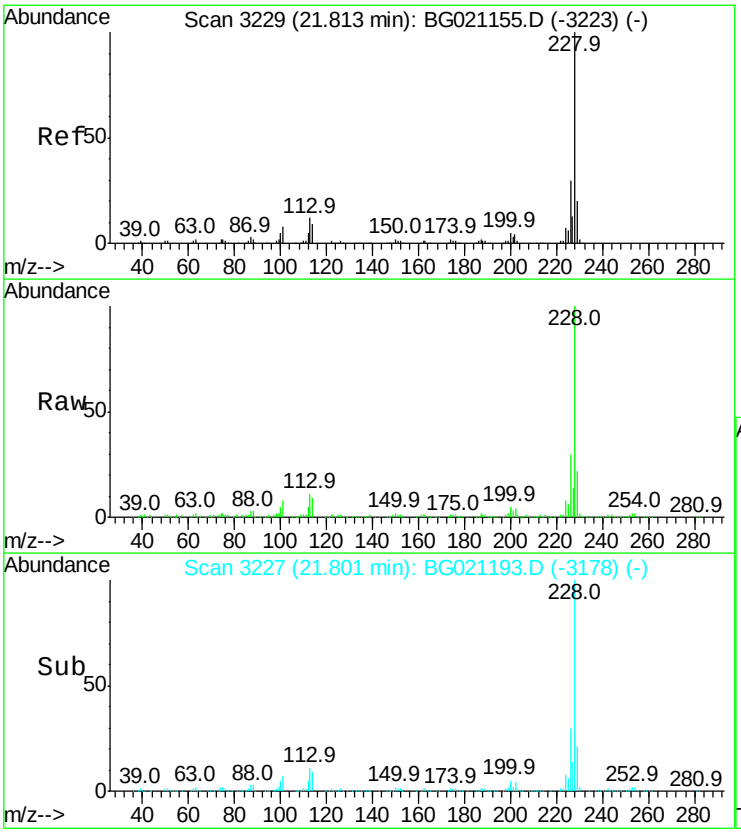
#80
Benzo(a)anthracene
Concen: 53.42 ng
RT: 21.74 min Scan# 3216
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:228 Resp: 237155

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	20.7	15.5	23.3

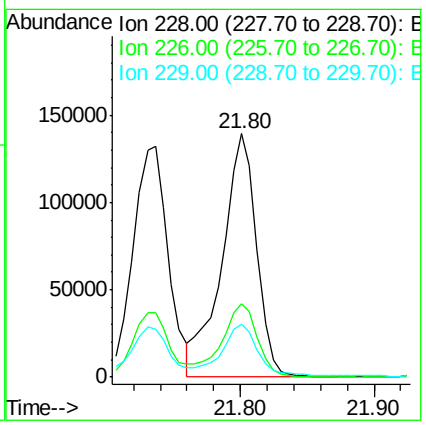


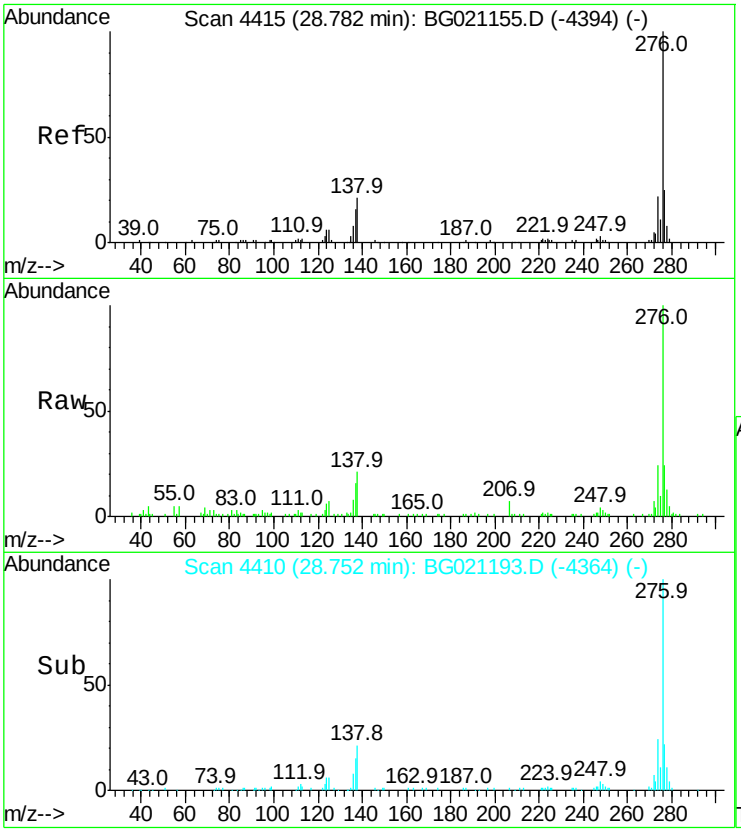


#82
Chrysene
Concen: 59.47 ng
RT: 21.80 min Scan# 3227
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:228 Resp: 250212

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.7	35.5
229	21.9	16.7	25.1



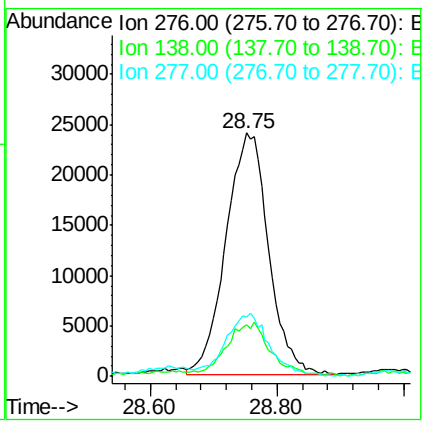


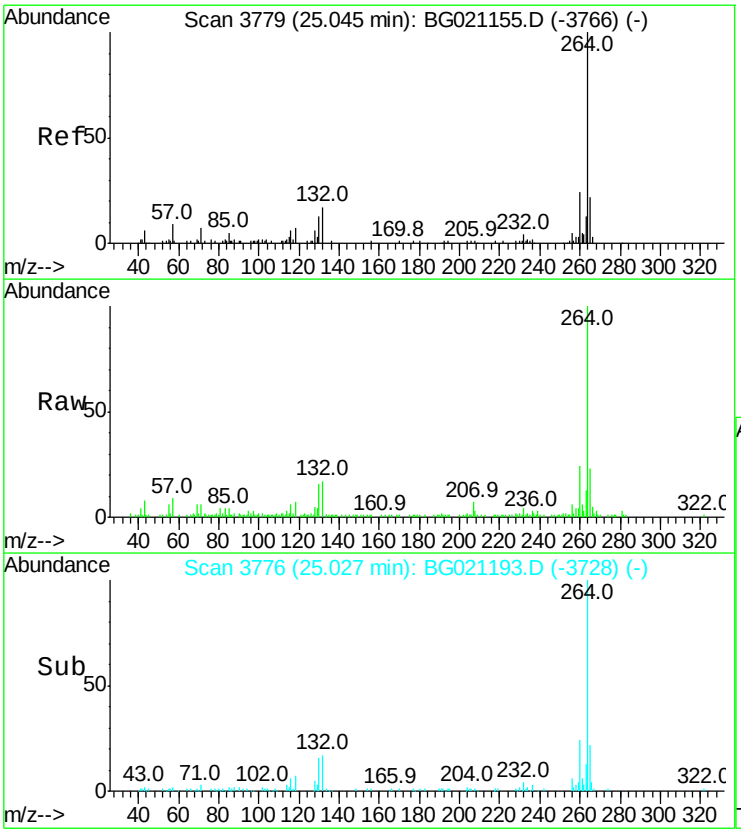
#85
Indeno(1,2,3-cd)pyrene
Concen: 23.26 ng
RT: 28.75 min Scan# 4410
Delta R.T. -0.03 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:276 Resp: 112224

Ion	Ratio	Lower	Upper
276	100		
138	21.7	0.0	0.0#
277	26.8	0.0	0.0#

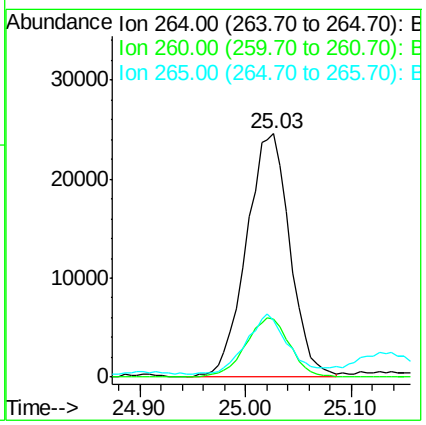


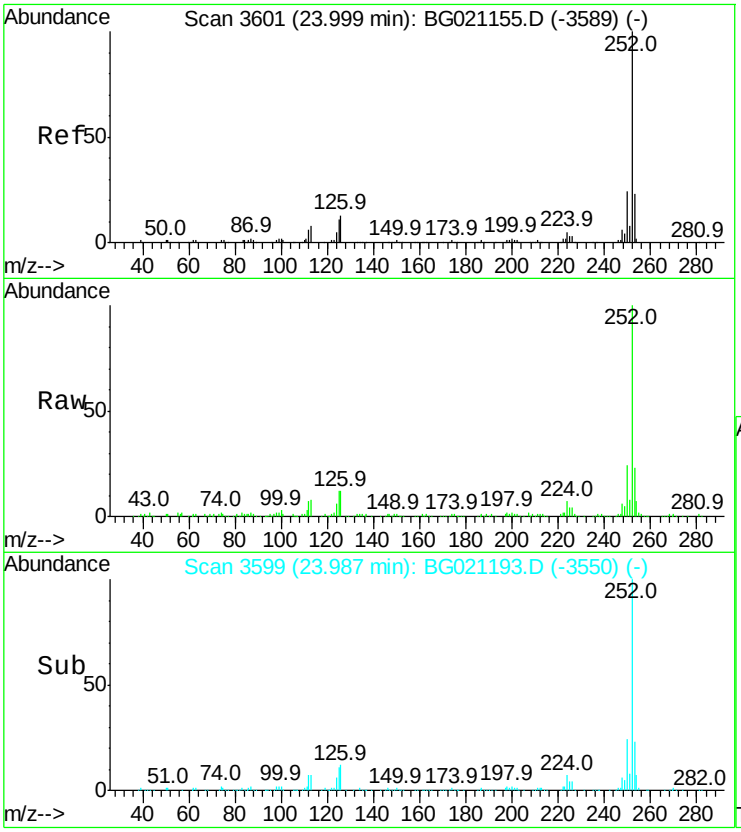


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.03 min Scan# 3776
Delta R.T. -0.02 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:264 Resp: 70177

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.5	27.7
265	23.0	18.6	28.0



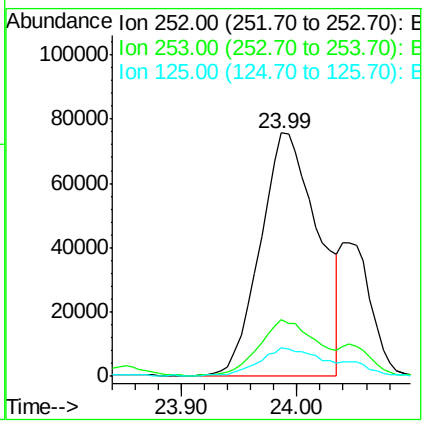


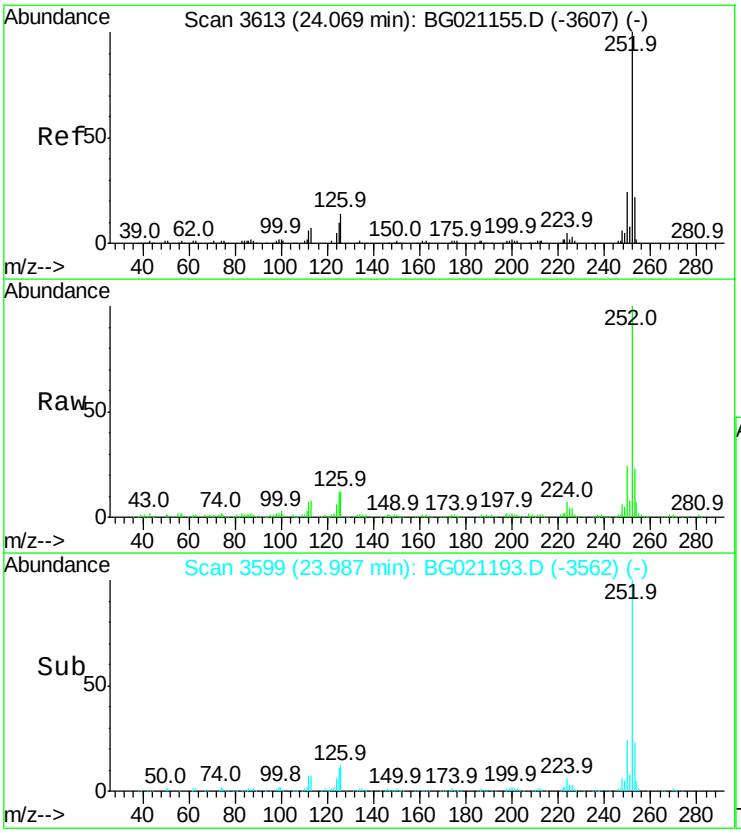
#87
Benzo(b)fluoranthene
Concen: 59.59 ng
RT: 23.99 min Scan# 3599
Delta R.T. -0.01 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:252 Resp: 263037

Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.8	25.2
125	11.5	8.2	12.2

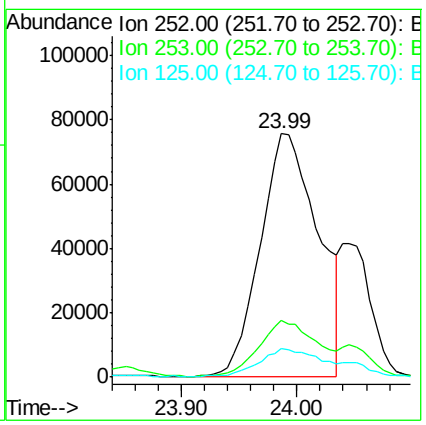


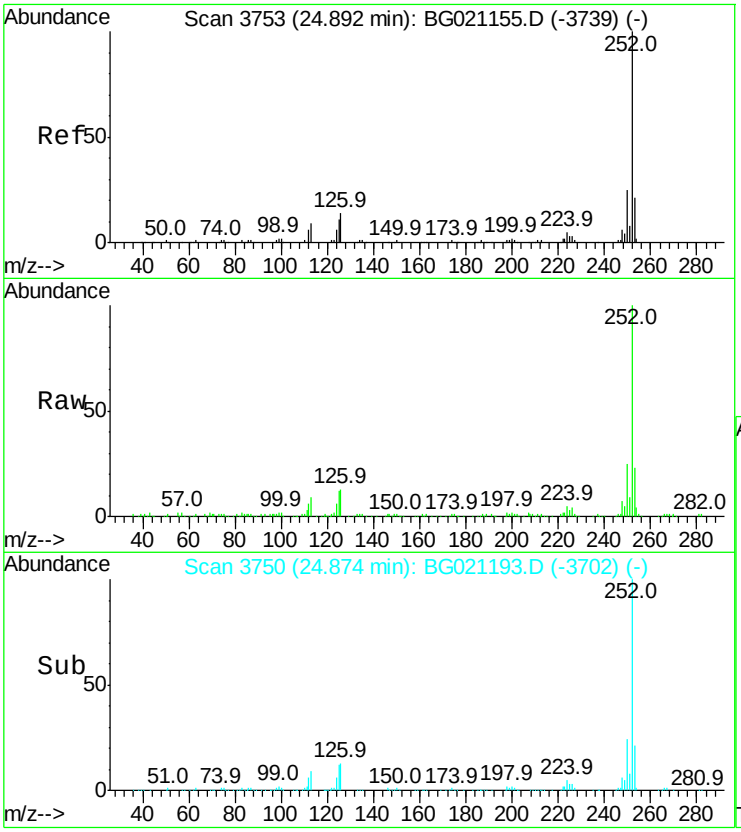


#88
Benzo(k)fluoranthene
Concen: 59.50 ng
RT: 23.99 min Scan# 3599
Delta R.T. -0.08 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:252 Resp: 263037

Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.4	24.6
125	11.5	8.2	12.2



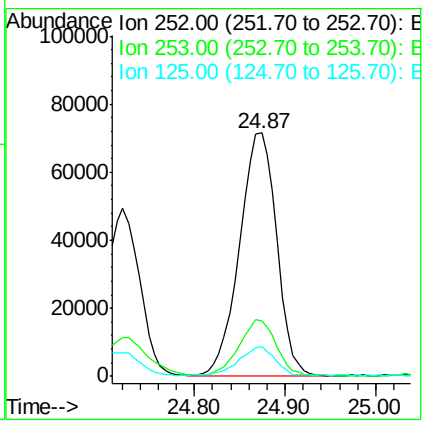


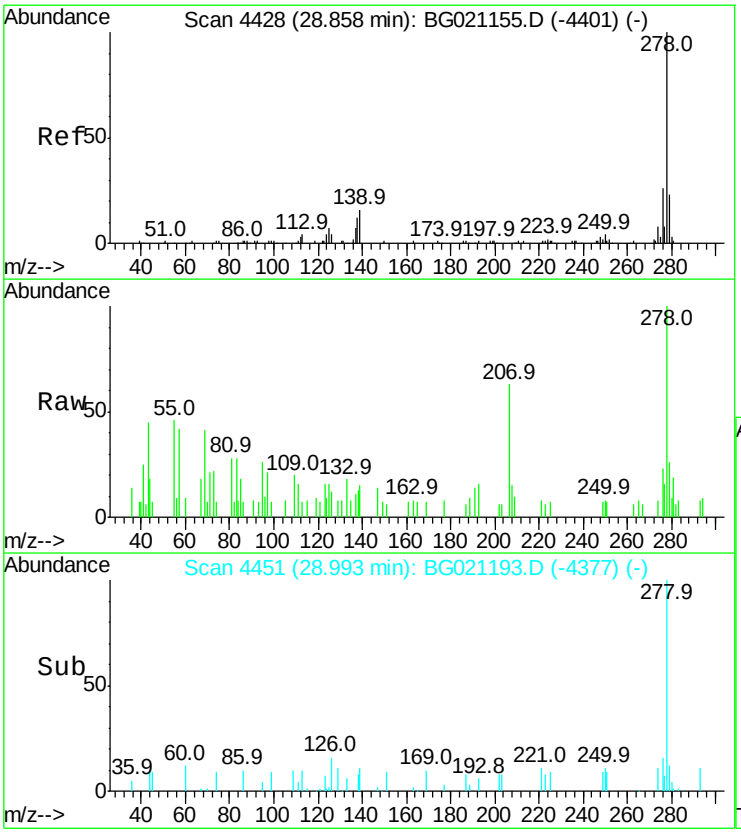
#89
Benzo(a)pyrene
Concen: 47.38 ng
RT: 24.87 min Scan# 3750
Delta R.T. -0.02 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:252 Resp: 202214

Ion	Ratio	Lower	Upper
252	100		
253	22.9	15.8	23.8
125	12.2	8.4	12.6

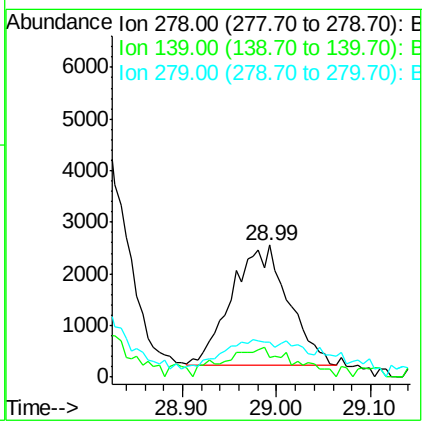


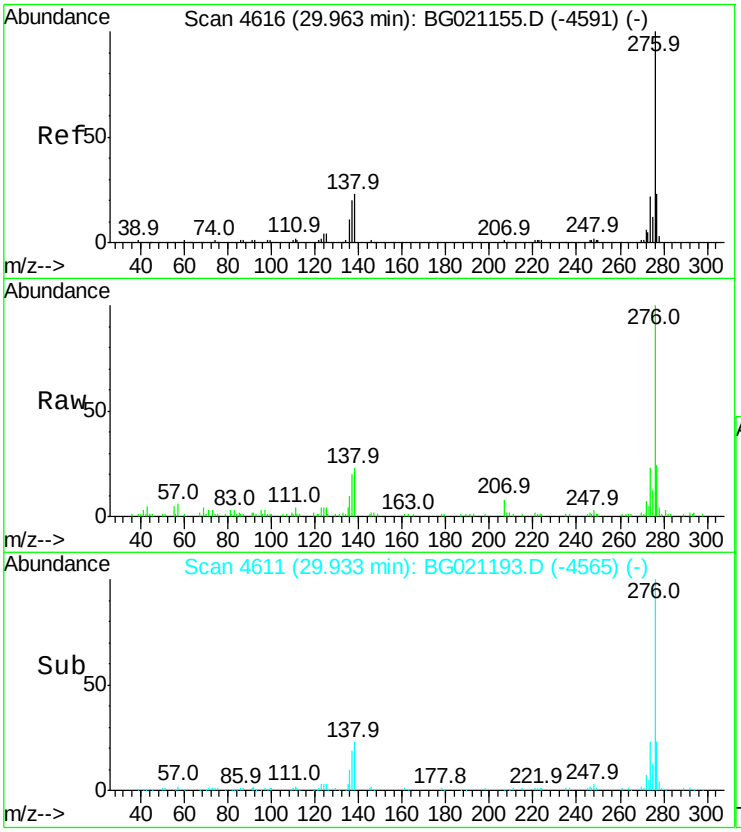


#90
Dibenzo(a,h)anthracene
Concen: 2.31 ng
RT: 28.99 min Scan# 4451
Delta R.T. 0.13 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Tgt Ion:278 Resp: 9761

Ion	Ratio	Lower	Upper
278	100		
139	14.7	10.6	15.8
279	26.0	19.7	29.5





#91
Benzo(g,h,i)perylene
Concen: 27.67 ng
RT: 29.93 min Scan# 4611
Delta R.T. -0.03 min
Lab File: BG021193.D
Acq: 1 Mar 2016 21:04

Instrument :
BNA_G
ClientSampleId :
CEB-7(2.5-5)20160224

Tgt Ion:276 Resp: 112867

Ion	Ratio	Lower	Upper
276	100		
277	24.0	16.6	25.0
138	22.8	14.6	21.8#