Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021682.D
Acq On : 15 Apr 2016 11:22
Operator : UM/SJ
Sample : H2055-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BH-12(5-9)

Quant Time: Apr 15 14:41:19 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 15:48:13 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	55627	20.00	ng		0.00
21) Naphthalene-d8	11.03	136	257455	20.00	ng		0.00
38) Acenaphthene-d10	14.82	164	147979	20.00	ng		0.00
63) Phenanthrene-d10	17.56	188	305044	20.00	ng		0.00
75) Chrysene-d12	21.83	240	334020	20.00	ng		0.00
86) Perylene-d12	25.16	264	331705	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.77	112	334819	100.23	ng		0.01
7) Phenol-d6	7.37	99	572769	114.79	ng		0.00
23) Nitrobenzene-d5	9.38	82	359173	71.71	ng		0.00
41) 2,4,6-Tribromophenol	16.30	330	111076	69.65	ng		0.00
44) 2-Fluorobiphenyl	13.45	172	655377	64.89	ng		0.00
78) Terphenyl-d14	20.14	244	707224	52.83	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	14.27	163	87157	6.81	ng		98
51) Acenaphthene	14.88	154	21300	2.19	ng		98
55) 4-Nitrophenol	15.21	139	6578	2.84	ng	#	10
70) Phenanthrene	17.60	178	328728	19.55	ng		100
71) Anthracene	17.68	178	71452	4.19	ng		98
72) Carbazole	17.95	167	35908	2.25	ng		98
74) Fluoranthene	19.59	202	443209	22.08	ng		100
77) Pyrene	19.95	202	408020	21.18	ng		99
80) Benzo(a)anthracene	21.80	228	229753	11.95	ng		98
82) Chrysene	21.87	228	209018	11.32	ng		97
83) Bis(2-ethylhexyl)phthalate	21.70	149	33824	2.59	ng	#	99
85) Indeno(1,2,3-cd)pyrene	28.95	276	127201	5.79	ng		95
87) Benzo(b)fluoranthene	24.10	252	280738	14.59	ng		96
88) Benzo(k)fluoranthene	24.10	252	280738	14.92	ng		96
89) Benzo(a)pyrene	25.00	252	195110	10.46	ng		98
91) Benzo(g,h,i)perylene	30.15	276	113149	6.17	ng		99

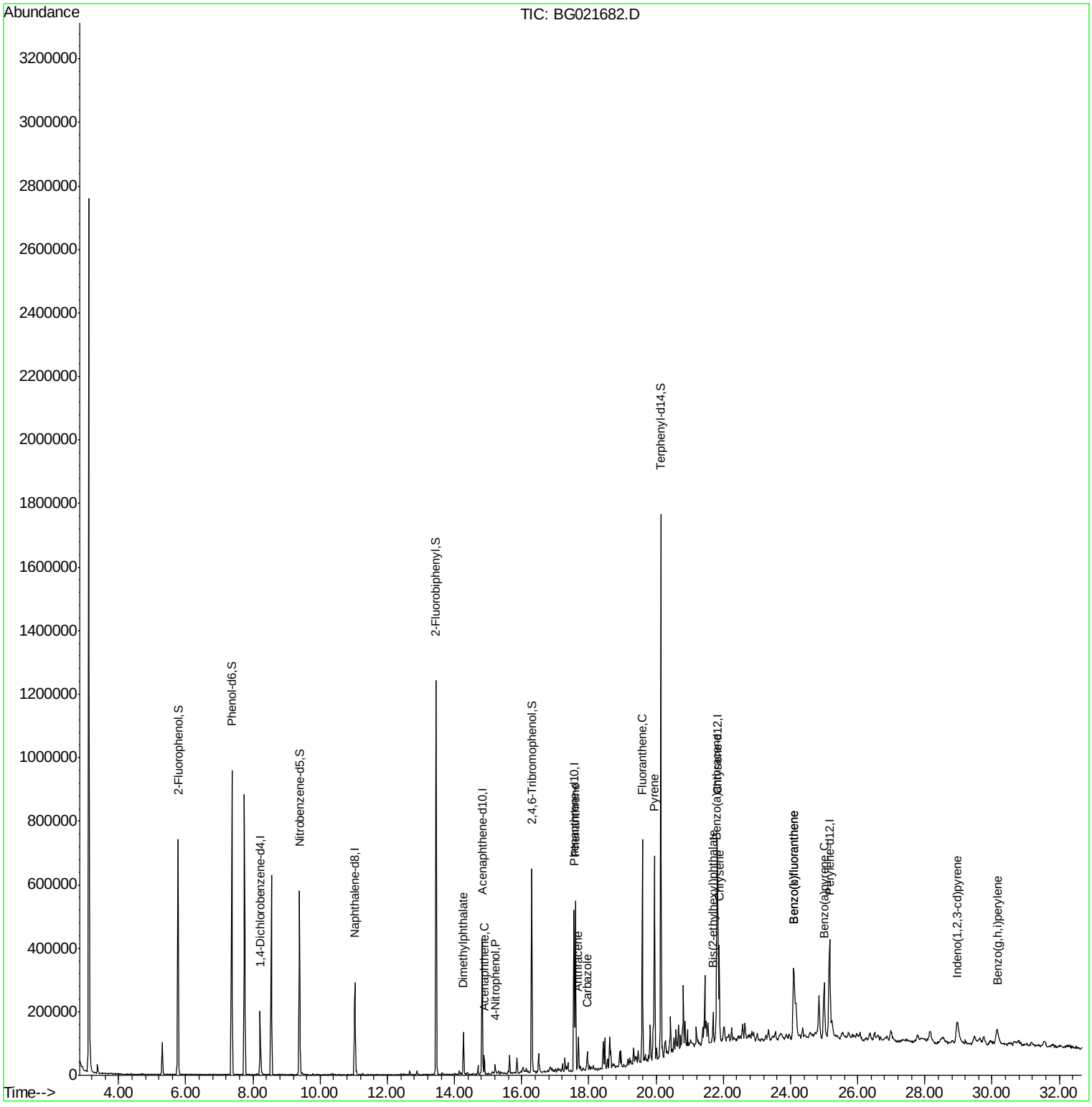
(#) = qualifier out of range (m) = manual integration (+) = signals summed

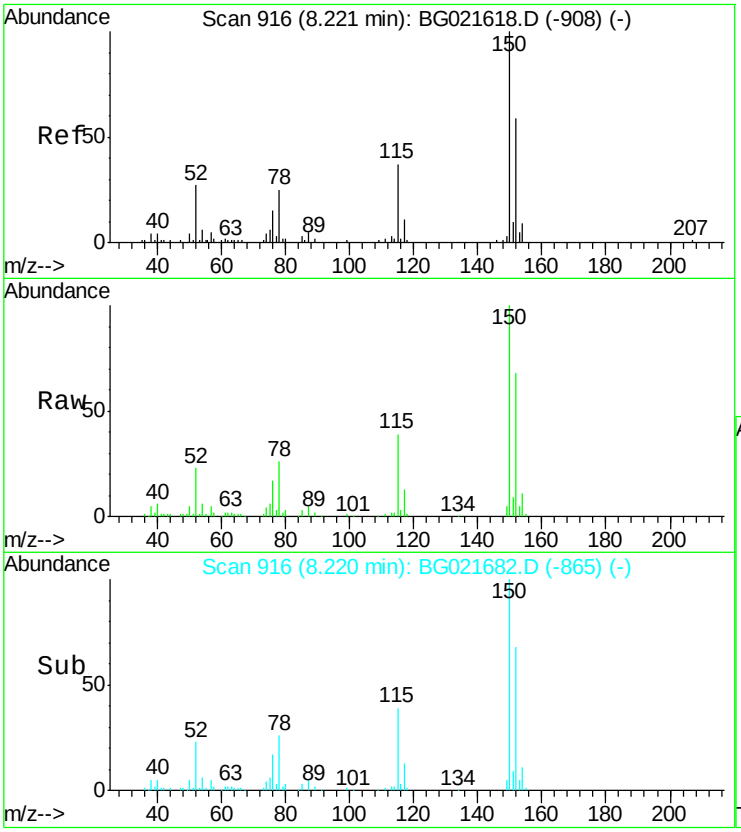
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021682.D
Acq On : 15 Apr 2016 11:22
Operator : UM/SJ
Sample : H2055-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Quant Time: Apr 15 14:41:19 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 15:48:13 2016
Response via : Initial Calibration



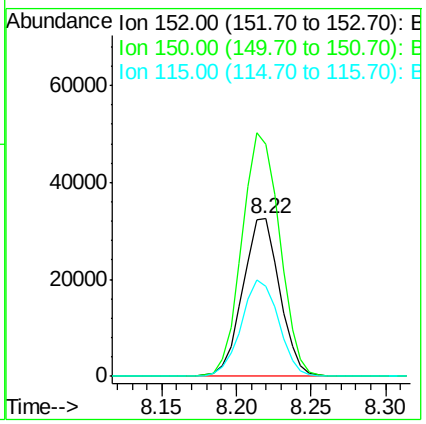


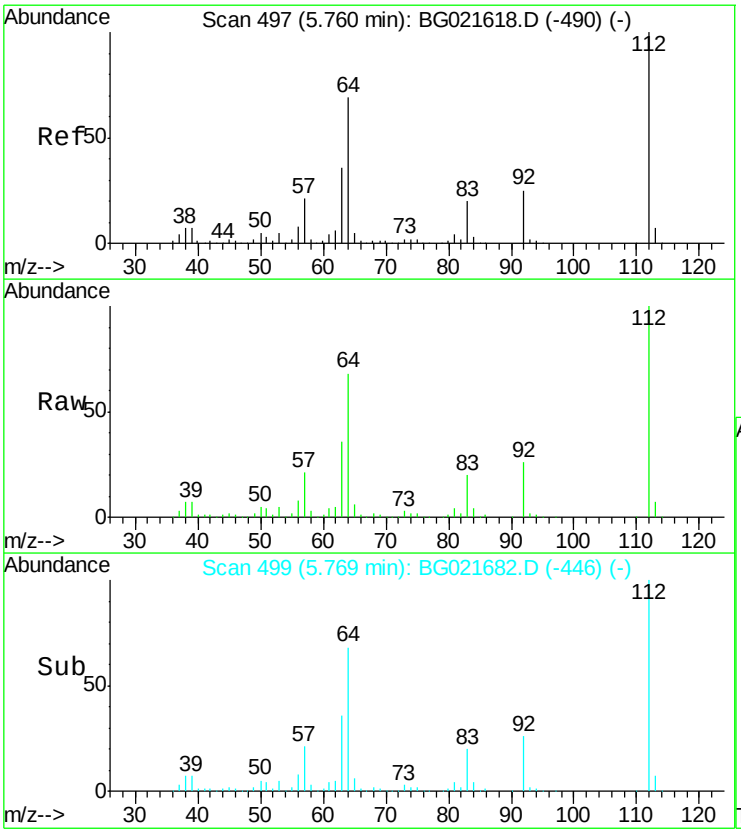
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.22 min Scan# 916
Delta R.T. -0.00 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion:152 Resp: 55627

Ion	Ratio	Lower	Upper
152	100		
150	147.1	130.1	195.1
115	56.9	62.2	93.2#

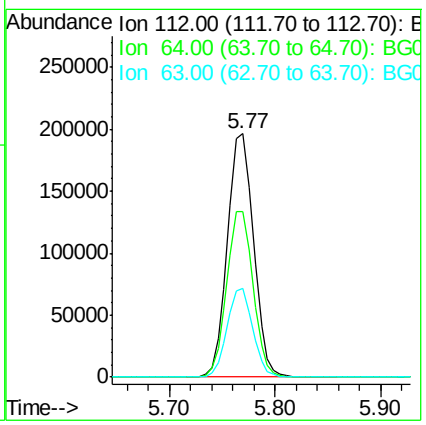


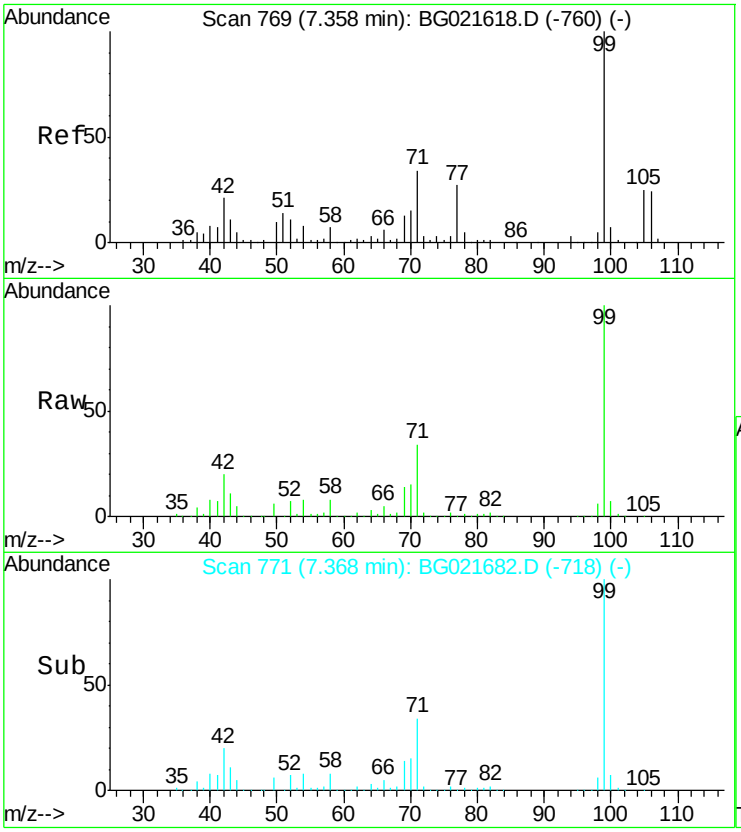


#5
2-Fluorophenol
Concen: 100.23 ng
RT: 5.77 min Scan# 499
Delta R.T. 0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion:112 Resp: 334819

Ion	Ratio	Lower	Upper
112	100		
64	68.1	51.1	76.7
63	36.3	24.6	37.0



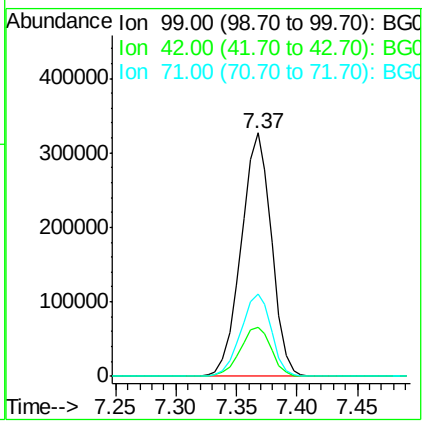


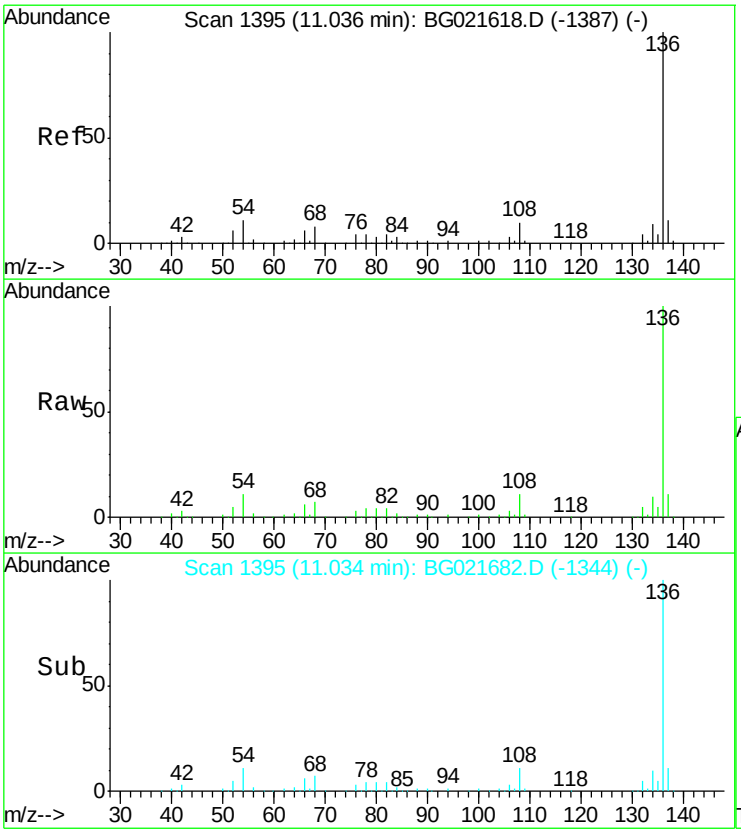
#7
Phenol-d6
Concen: 114.79 ng
RT: 7.37 min Scan# 771
Delta R.T. 0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion: 99 Resp: 572769

Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.4	24.6
71	34.0	25.0	37.4

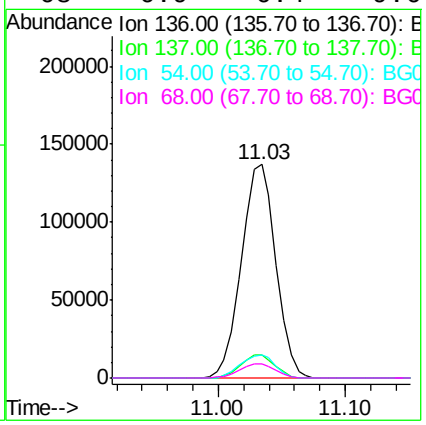


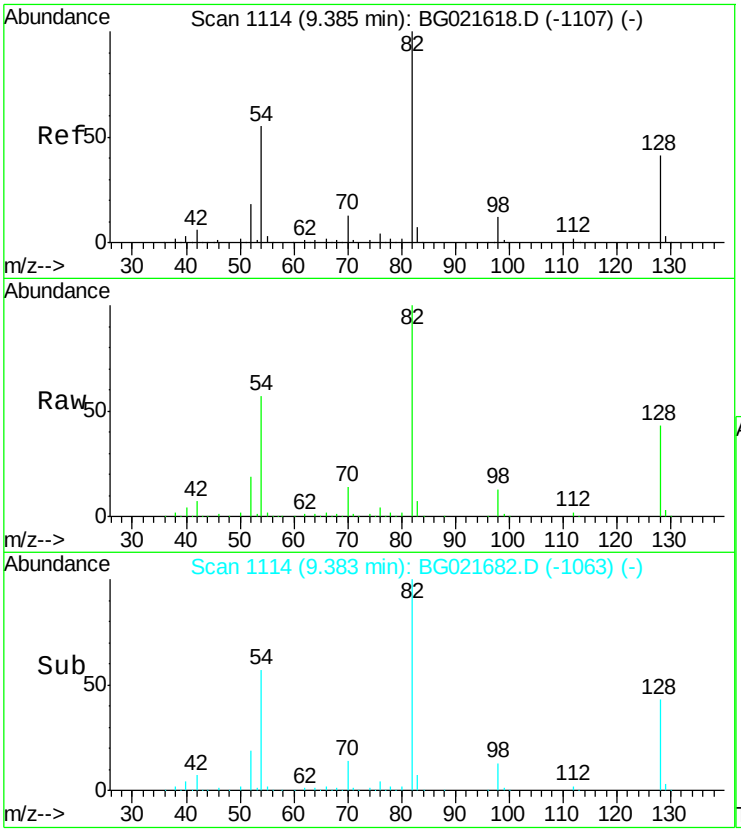


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1395
Delta R.T. -0.00 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion:136 Resp: 257455

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	10.7	9.6	14.4
68	6.9	6.4	9.6



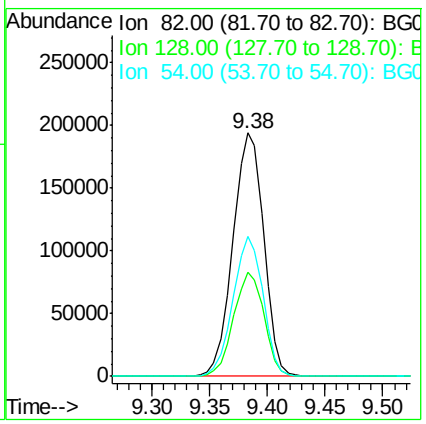


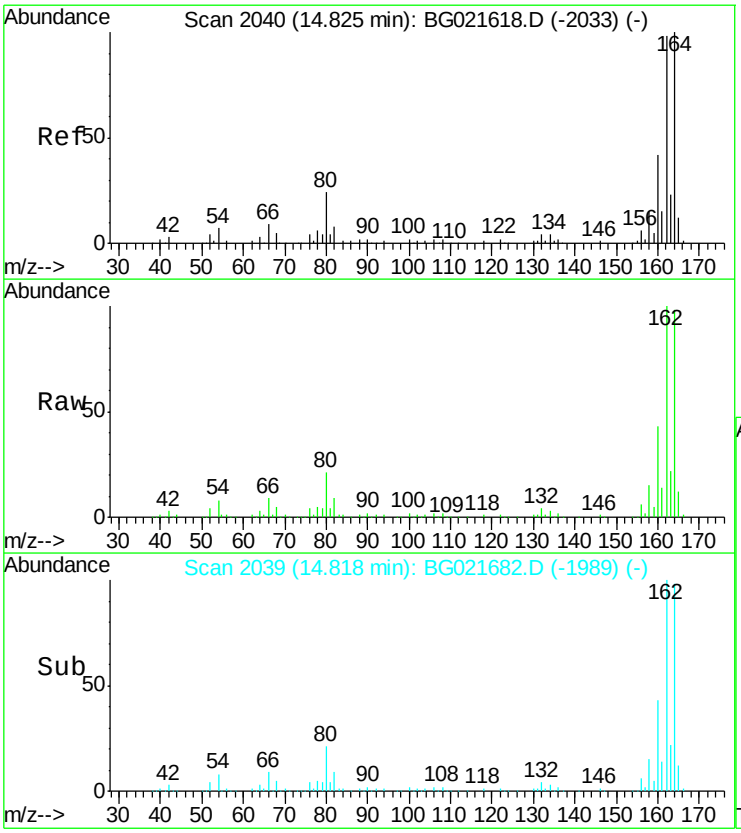
#23
Nitrobenzene-d5
Concen: 71.71 ng
RT: 9.38 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion: 82 Resp: 359173

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.4	50.0
54	57.4	46.1	69.1

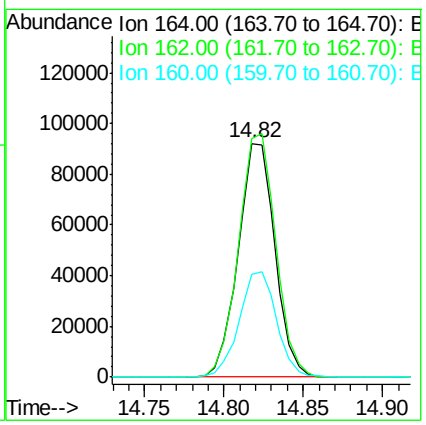


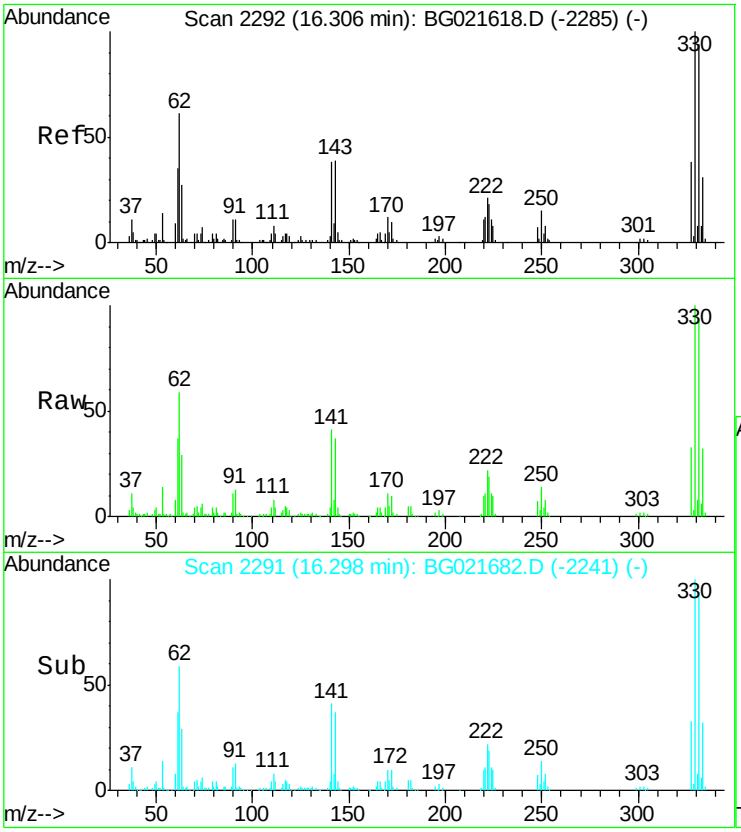


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion:164 Resp: 147979

Ion	Ratio	Lower	Upper
164	100		
162	102.0	78.0	117.0
160	44.1	32.9	49.3



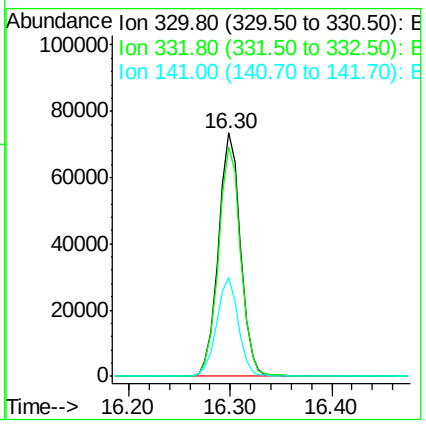


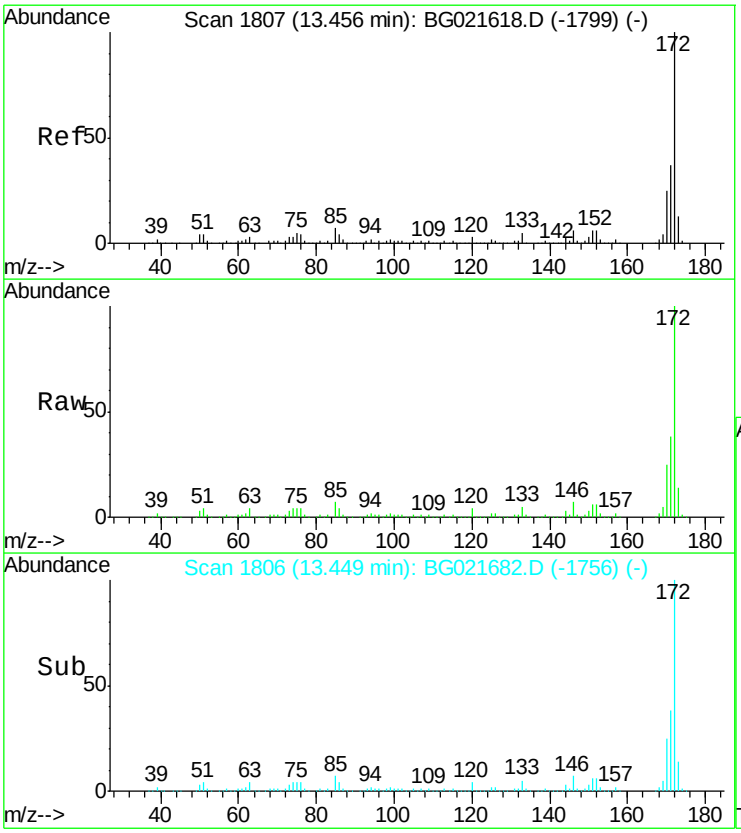
#41
2,4,6-Tribromophenol
Concen: 69.65 ng
RT: 16.30 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion:330 Resp: 111076

Ion	Ratio	Lower	Upper
330	100		
332	94.9	78.0	117.0
141	40.3	33.8	50.8

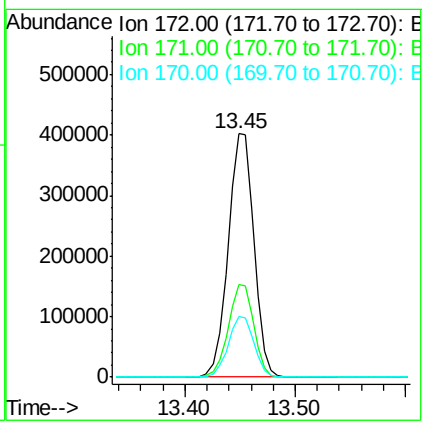


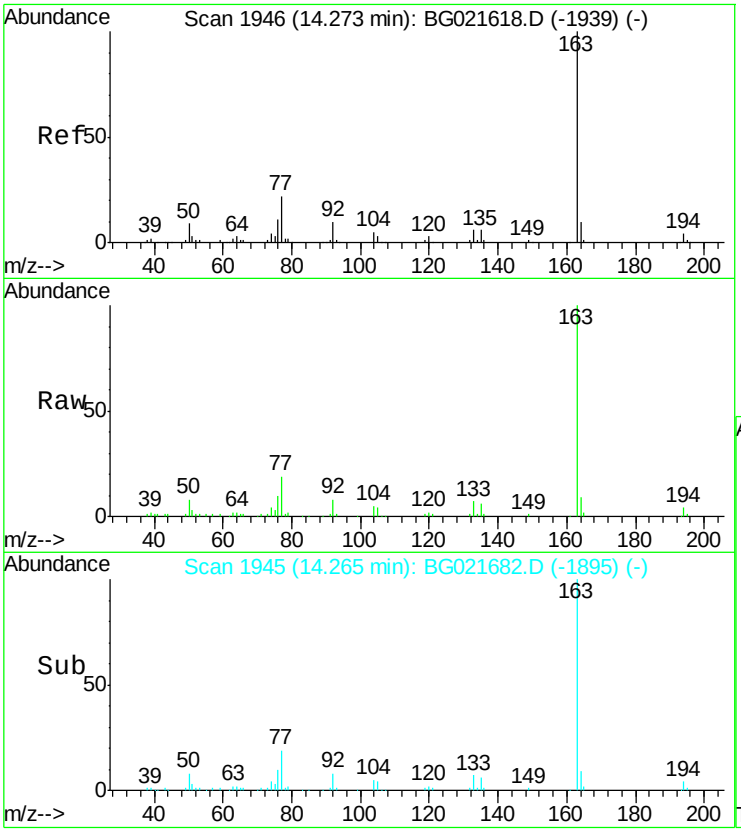


#44
2-Fluorobiphenyl
Concen: 64.89 ng
RT: 13.45 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion:172 Resp: 655377

Ion	Ratio	Lower	Upper
172	100		
171	37.8	27.8	41.6
170	25.0	19.6	29.4



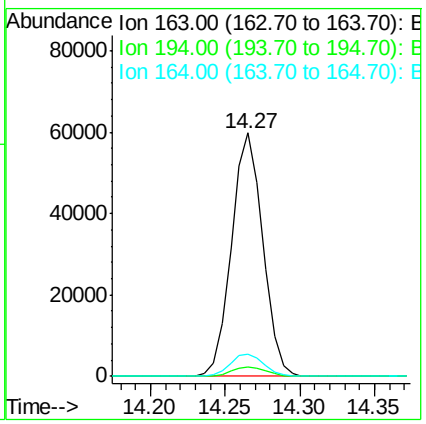


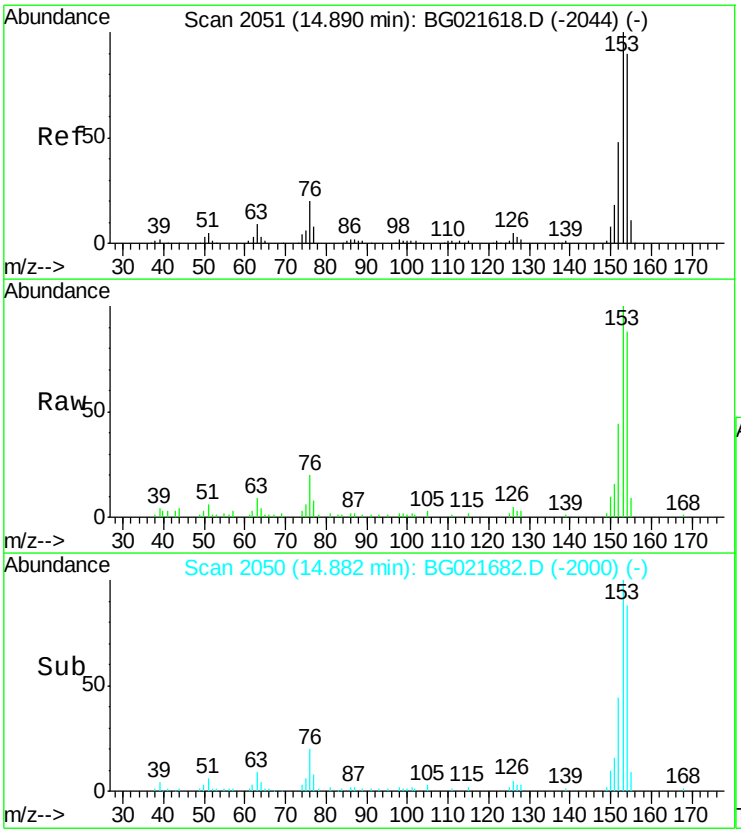
#49
Dimethylphthalate
Concen: 6.81 ng
RT: 14.27 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion:163 Resp: 87157

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	9.2	8.1	12.1

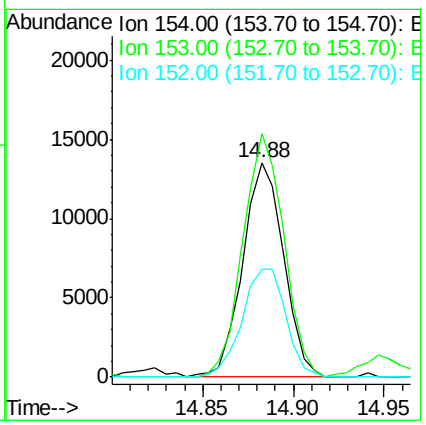


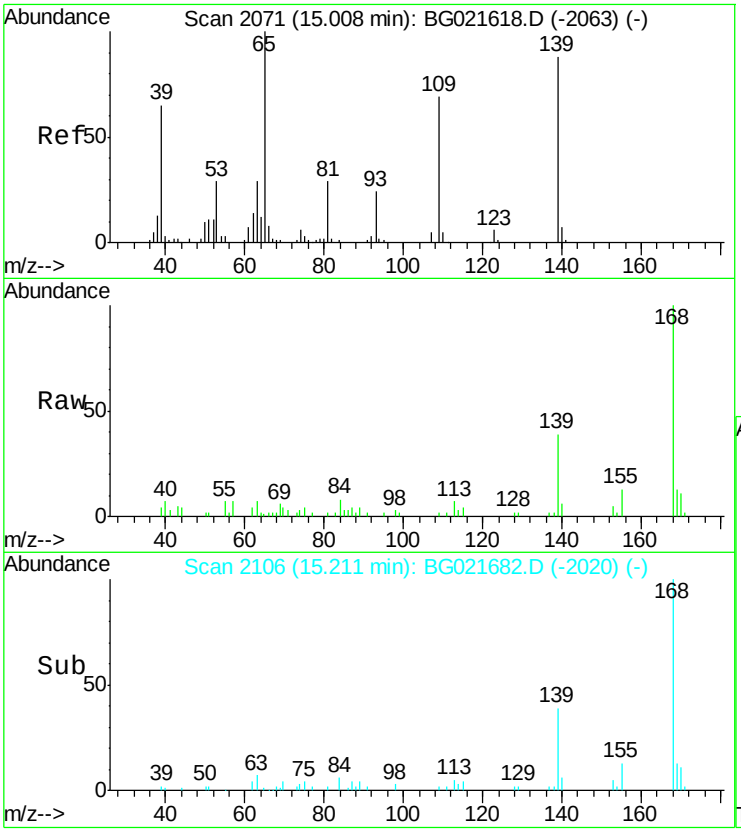


#51
Acenaphthene
Concen: 2.19 ng
RT: 14.88 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion:154 Resp: 21300

Ion	Ratio	Lower	Upper
154	100		
153	113.4	91.9	137.9
152	50.2	42.0	63.0



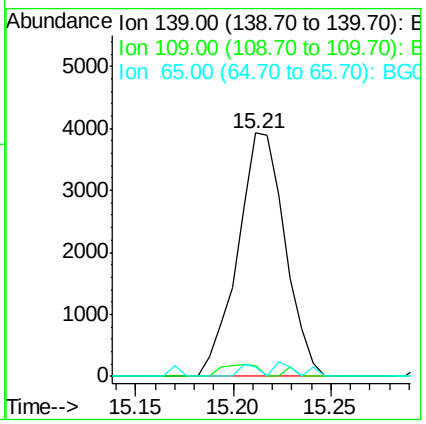


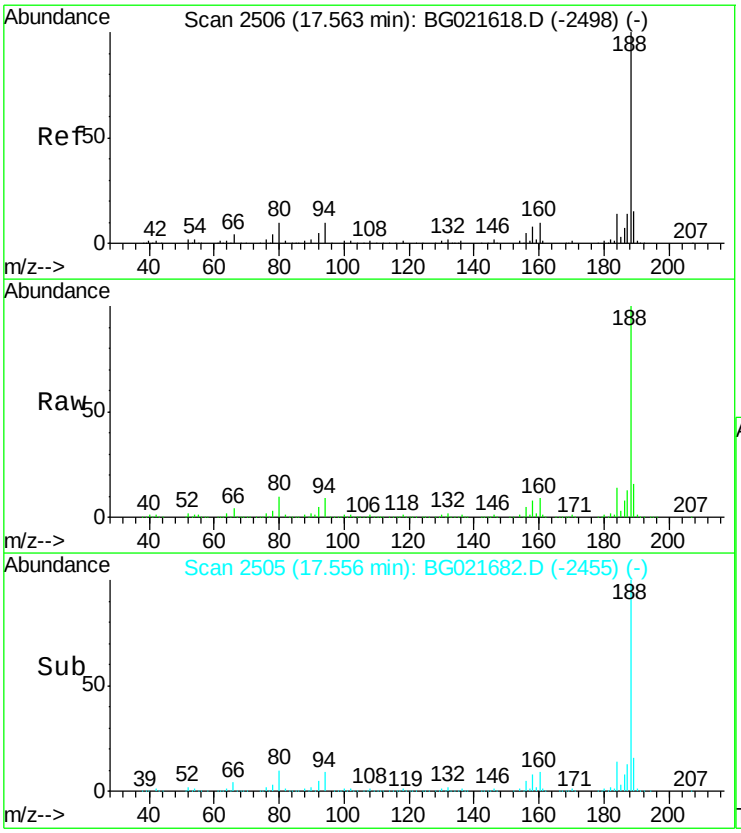
#55
4-Nitrophenol
Concen: 2.84 ng
RT: 15.21 min Scan# 2106
Delta R.T. 0.20 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion:139 Resp: 6578

Ion	Ratio	Lower	Upper
139	100		
109	4.5	49.2	89.2#
65	3.8	83.2	123.2#

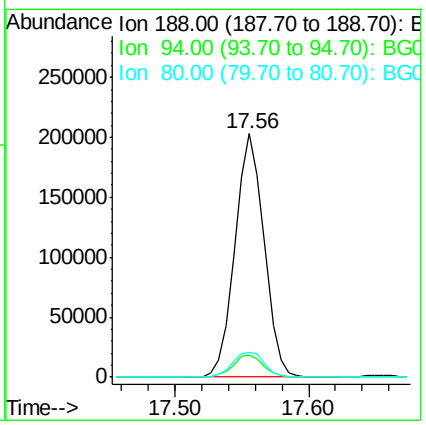


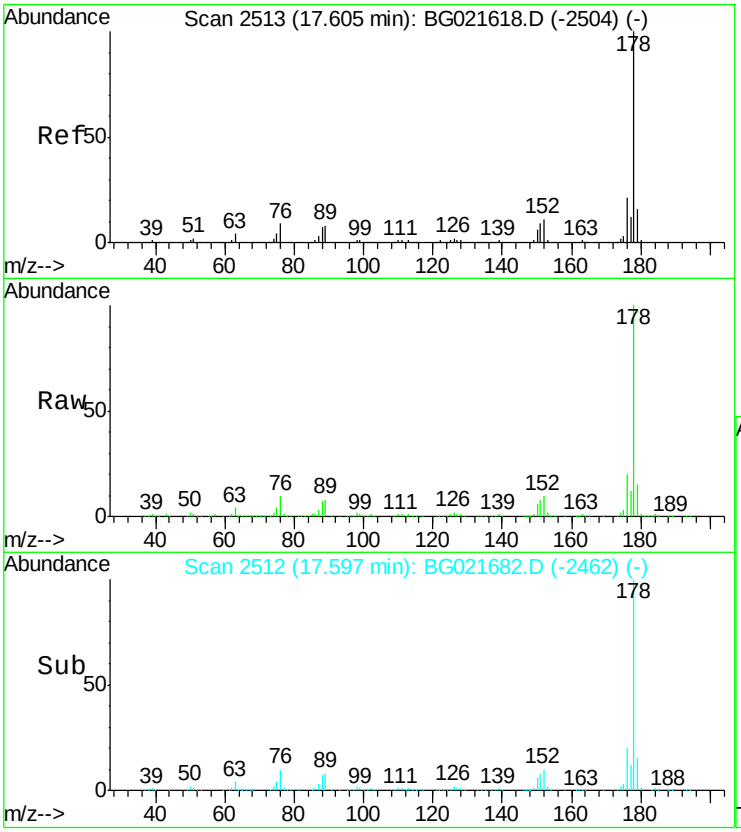


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion:188 Resp: 305044

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.5	11.3
80	10.2	8.6	13.0



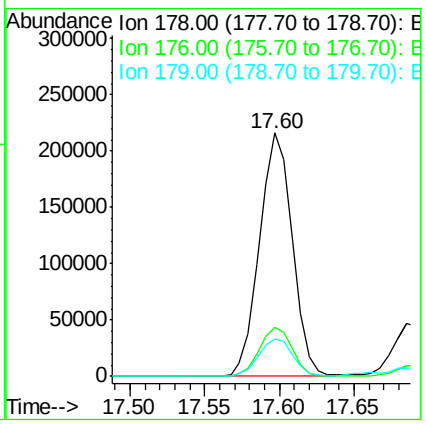


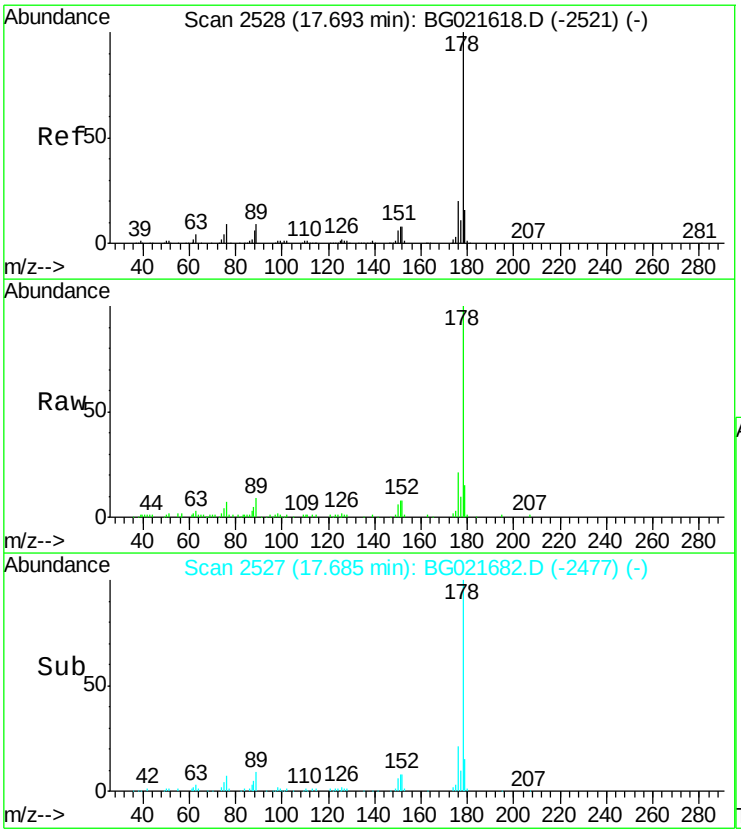
#70
Phenanthrene
Concen: 19.55 ng
RT: 17.60 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion:178 Resp: 328728

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	15.3	12.0	18.0

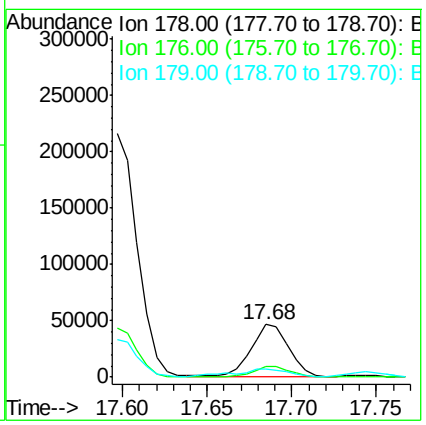


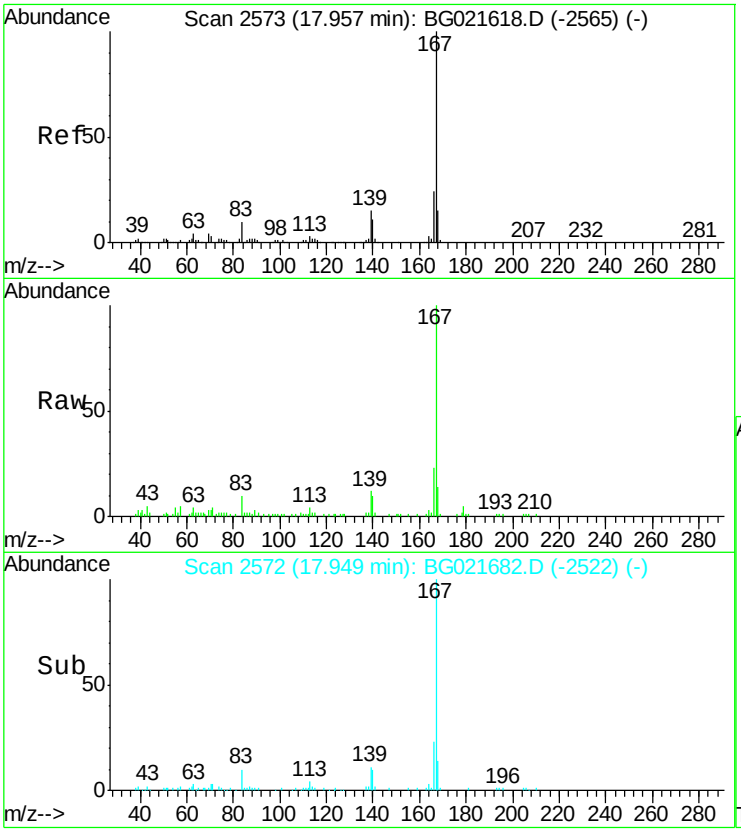


#71
Anthracene
Concen: 4.19 ng
RT: 17.68 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion:178 Resp: 71452

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.0	22.4
179	15.4	12.2	18.4



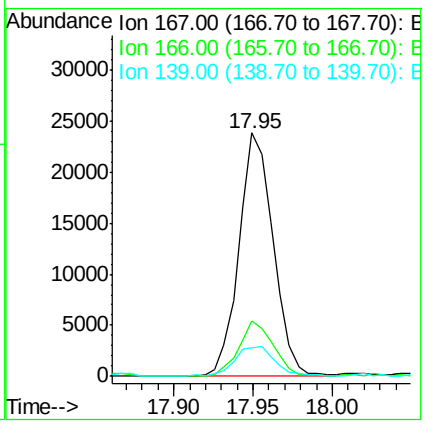


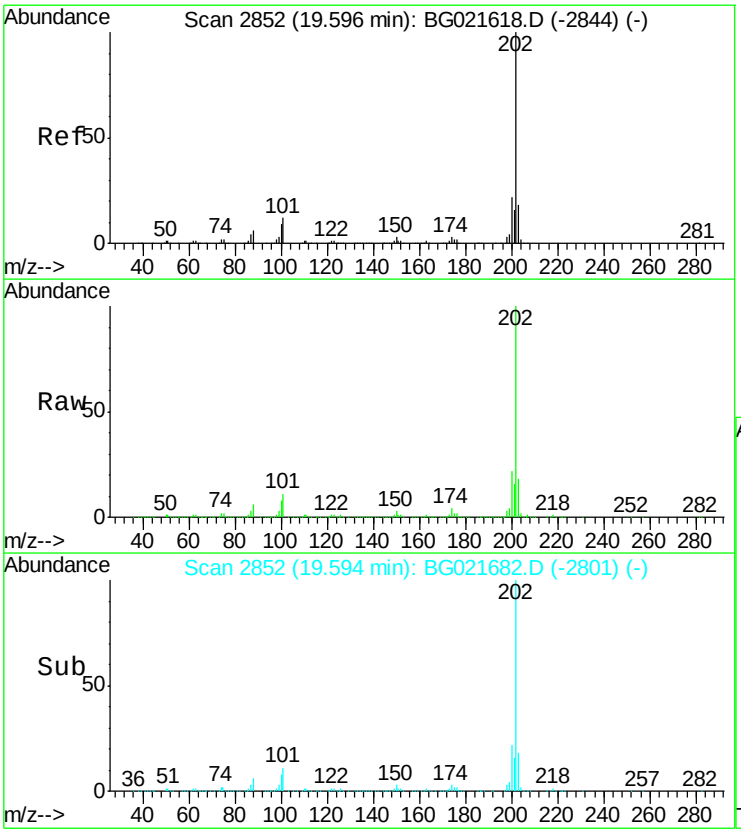
#72
Carbazole
Concen: 2.25 ng
RT: 17.95 min Scan# 2572
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion:167 Resp: 35908

Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.6	27.8
139	11.5	10.6	15.8

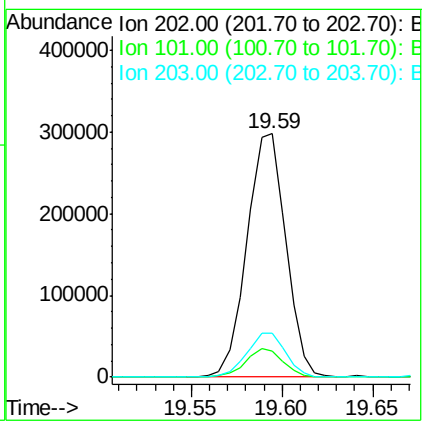


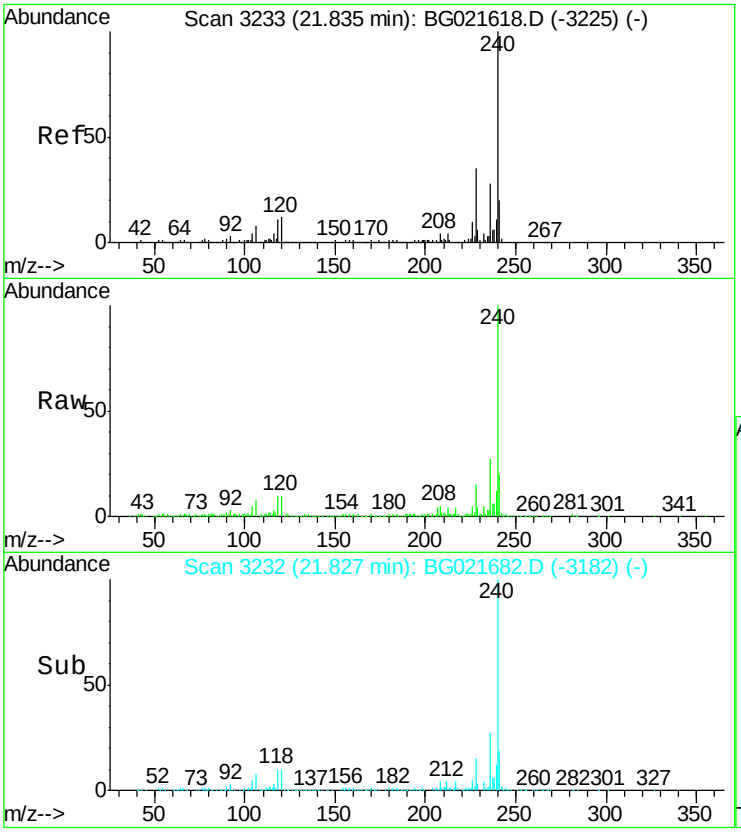


#74
Fluoranthene
Concen: 22.08 ng
RT: 19.59 min Scan# 2852
Delta R.T. -0.00 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion:202 Resp: 443209

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.0
203	18.0	0.0	37.9



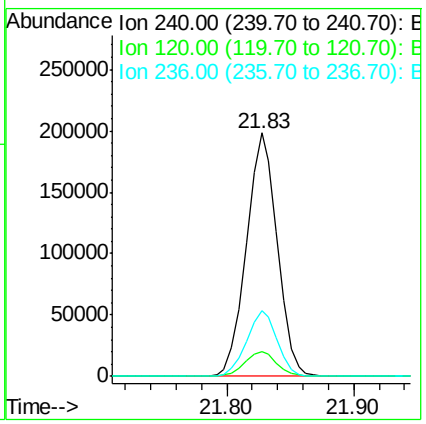


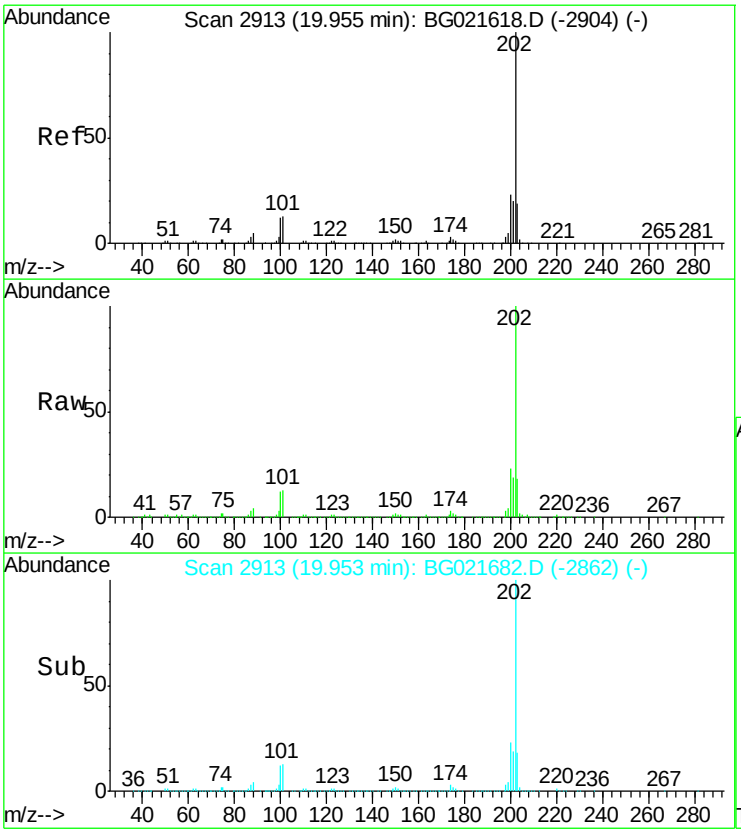
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3232
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion:240 Resp: 334020

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.4	12.6
236	27.1	19.6	29.4

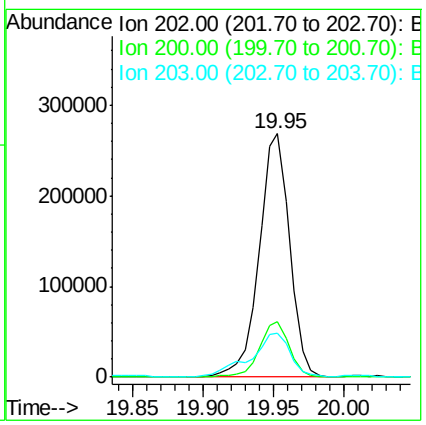


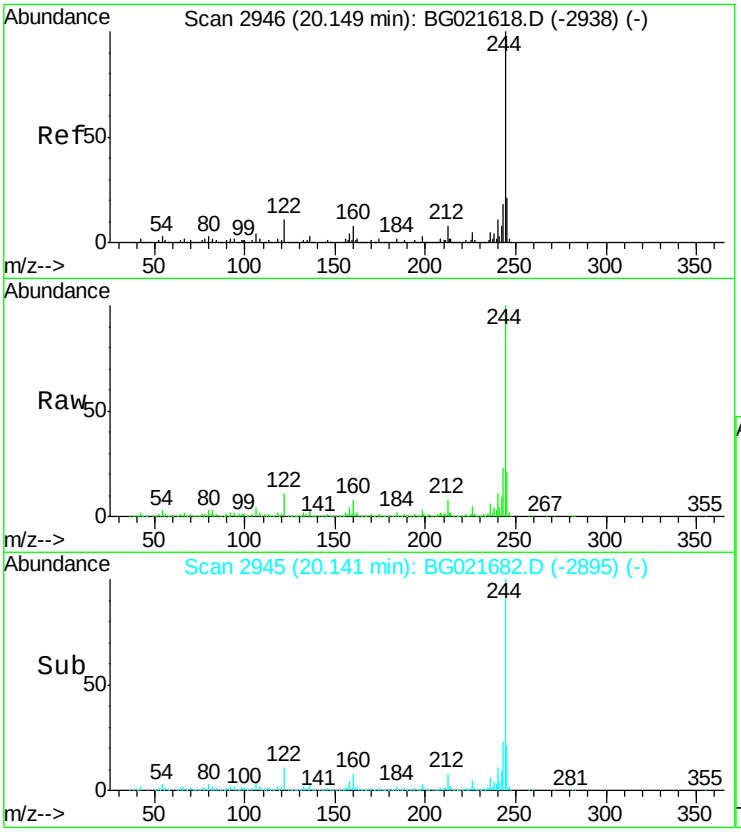


#77
Pyrene
Concen: 21.18 ng
RT: 19.95 min Scan# 2913
Delta R.T. -0.00 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion:202 Resp: 408020

Ion	Ratio	Lower	Upper
202	100		
200	22.8	18.2	27.2
203	18.1	15.0	22.4



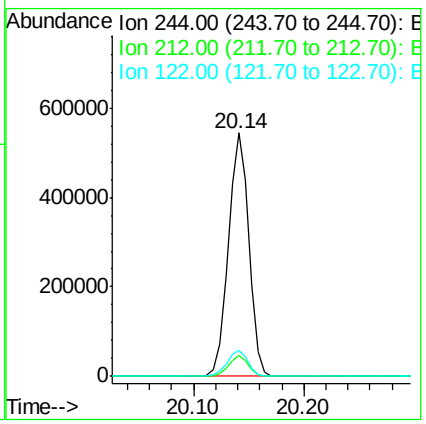


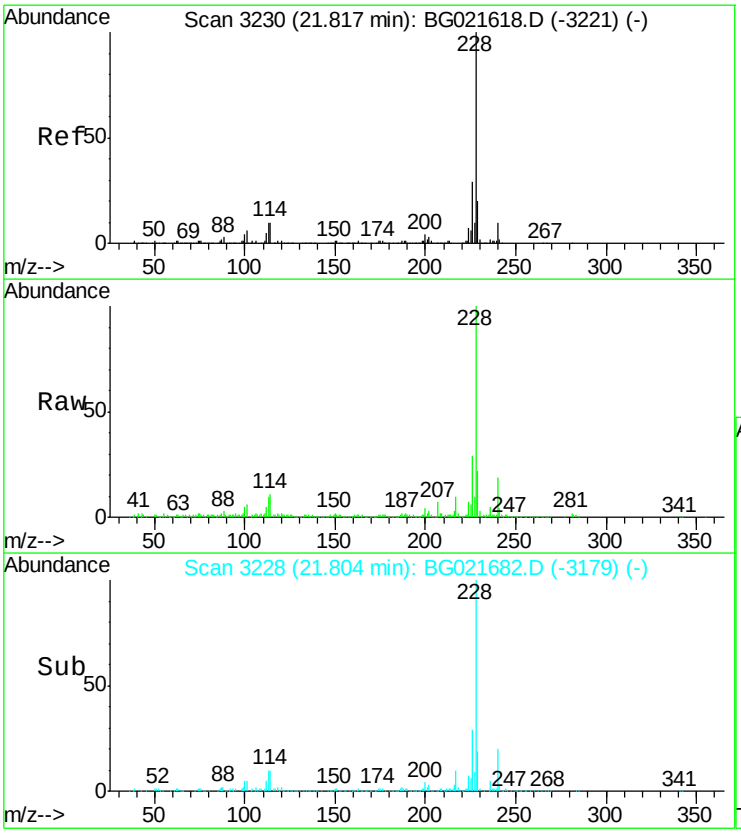
#78
Terphenyl-d14
Concen: 52.83 ng
RT: 20.14 min Scan# 2945
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion:244 Resp: 707224

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	10.7	8.6	12.8

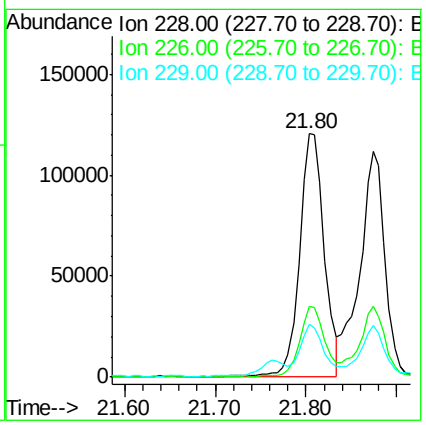


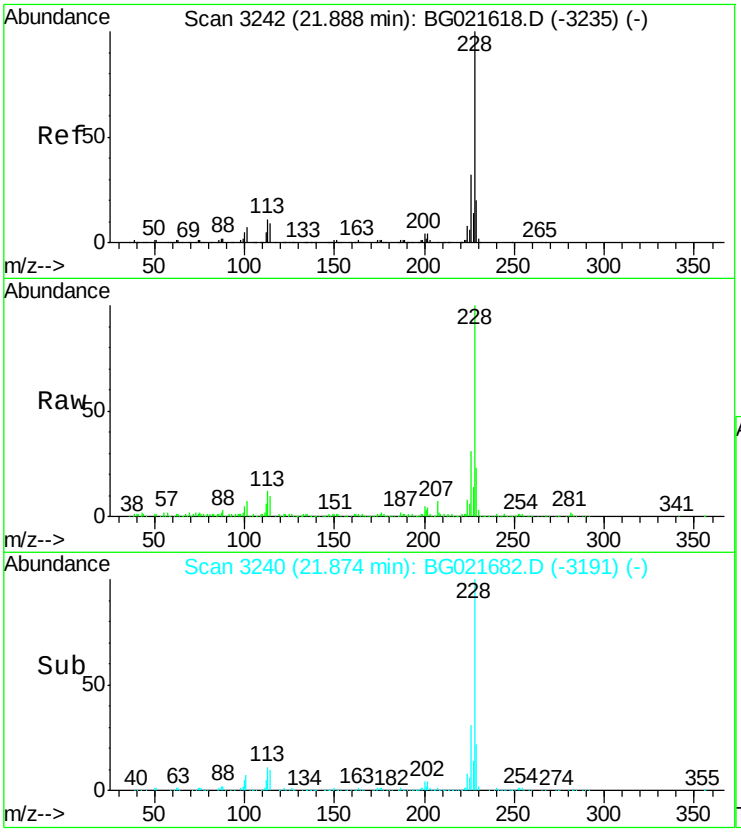


#80
Benzo(a)anthracene
Concen: 11.95 ng
RT: 21.80 min Scan# 3228
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion:228 Resp: 229753

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	34.0
229	21.7	16.1	24.1



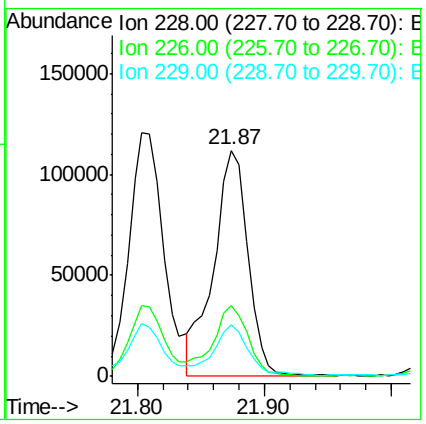


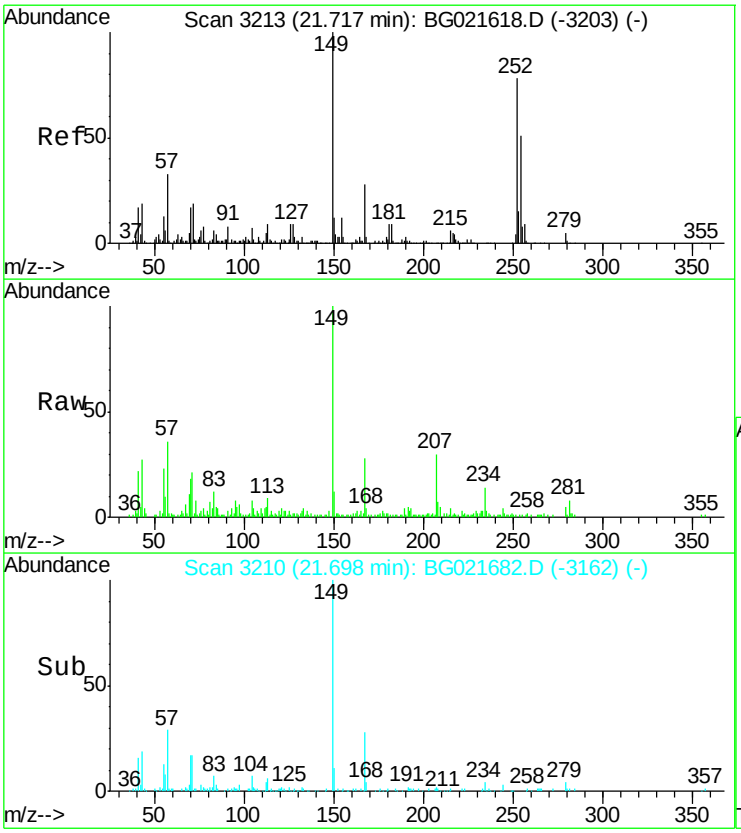
#82
Chrysene
Concen: 11.32 ng
RT: 21.87 min Scan# 3240
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion:228 Resp: 209018

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.4	38.0
229	22.5	15.9	23.9

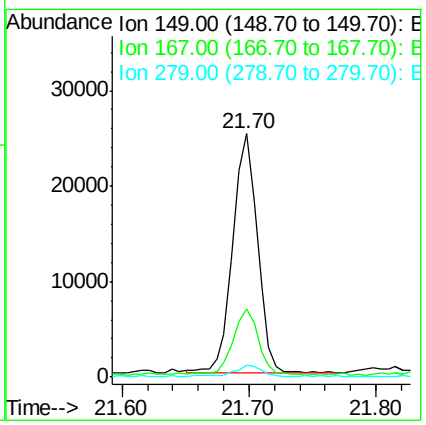


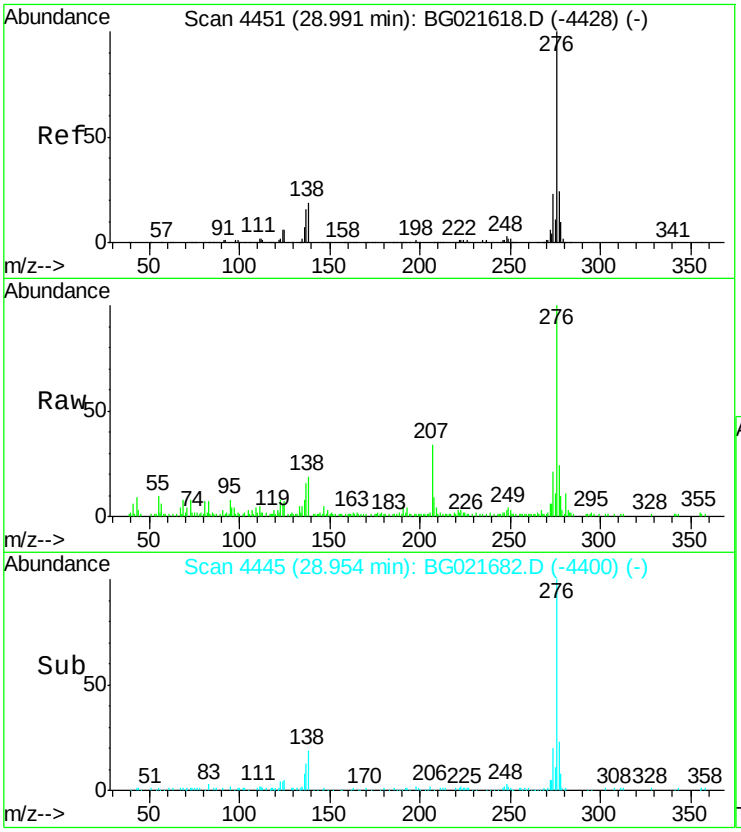


#83
Bis(2-ethylhexyl)phthalate
Concen: 2.59 ng
RT: 21.70 min Scan# 3210
Delta R.T. -0.02 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion:149 Resp: 33824

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.4	33.6
279	5.0	3.2	4.8#



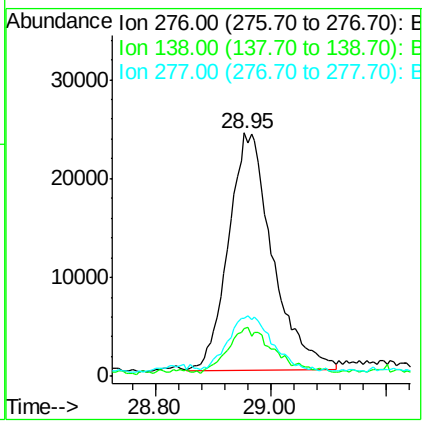


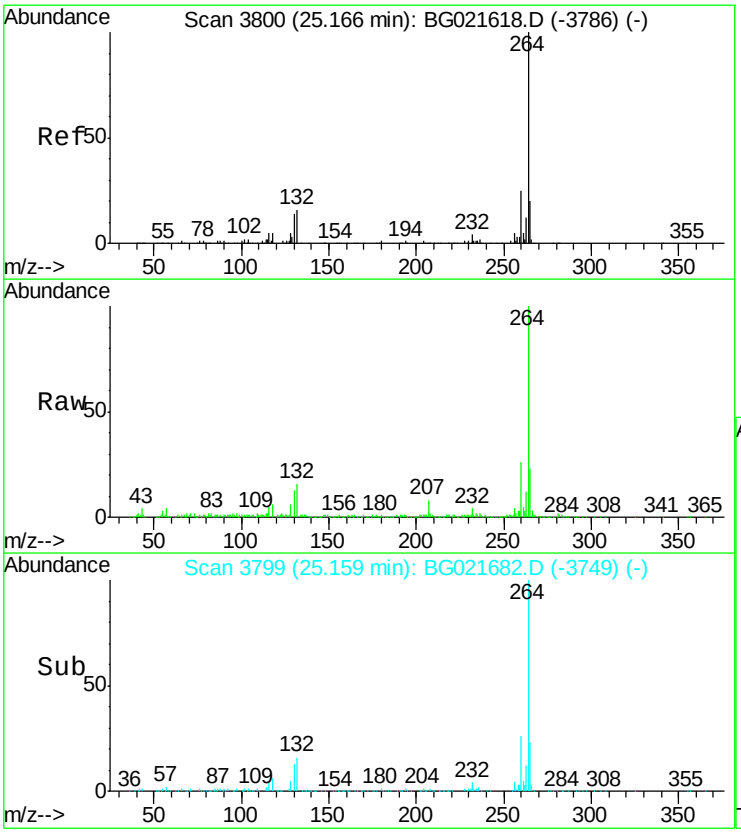
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.79 ng
RT: 28.95 min Scan# 4445
Delta R.T. -0.04 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion:276 Resp: 127201

Ion	Ratio	Lower	Upper
276	100		
138	18.2	14.0	21.0
277	22.3	20.6	30.8

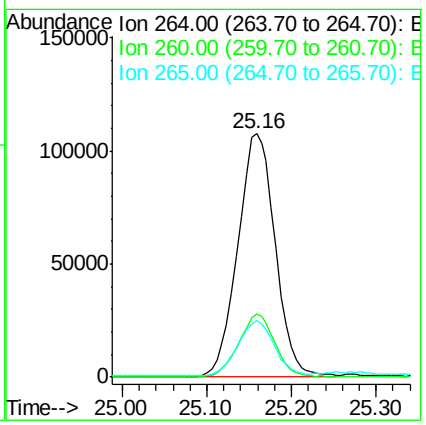


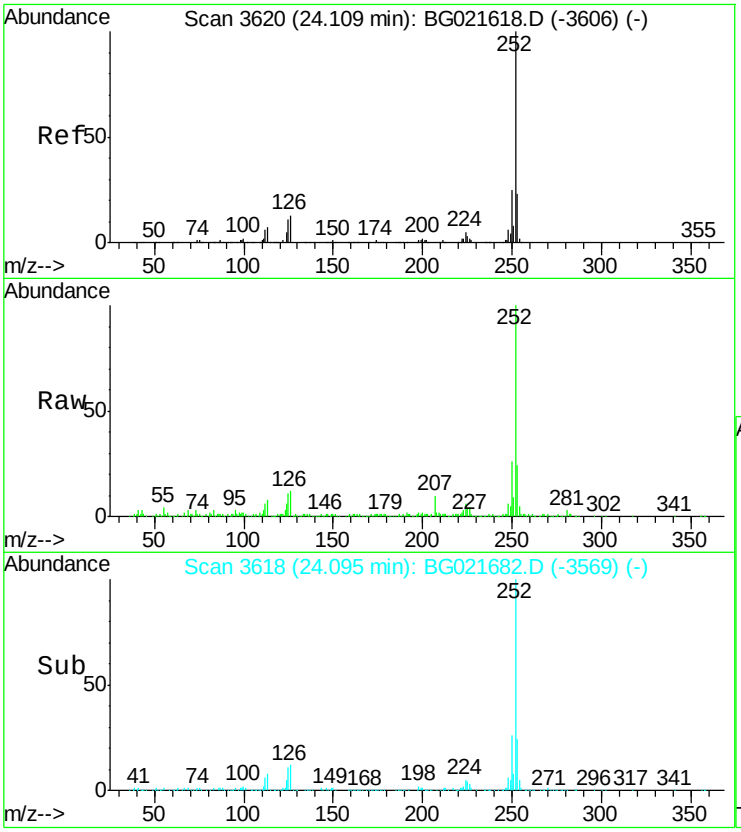


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.16 min Scan# 3799
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion:264 Resp: 331705

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.2	30.4
265	23.3	17.8	26.8



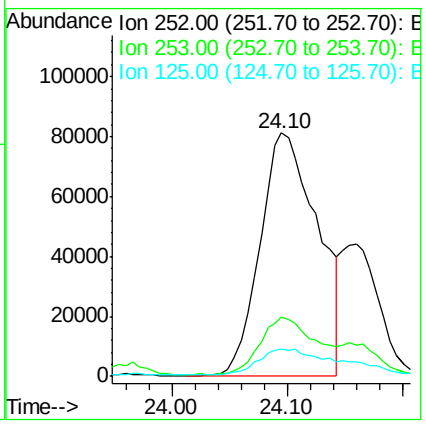


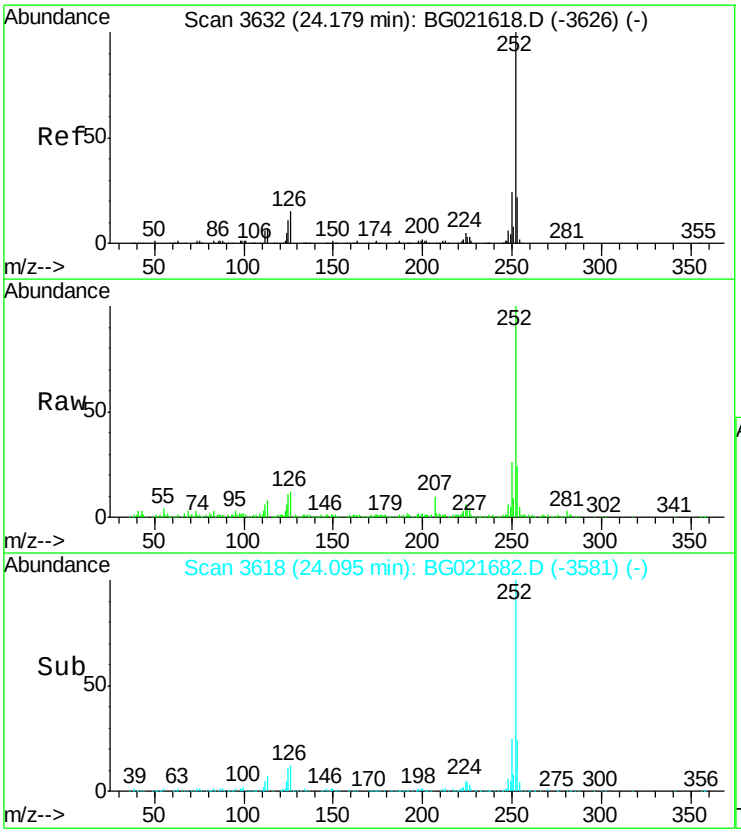
#87
Benzo(b)fluoranthene
Concen: 14.59 ng
RT: 24.10 min Scan# 3618
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion:252 Resp: 280738

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	11.3	8.6	13.0

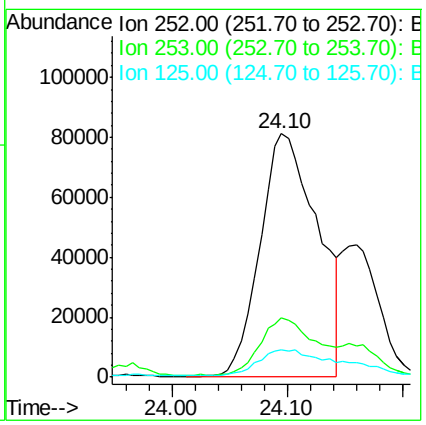


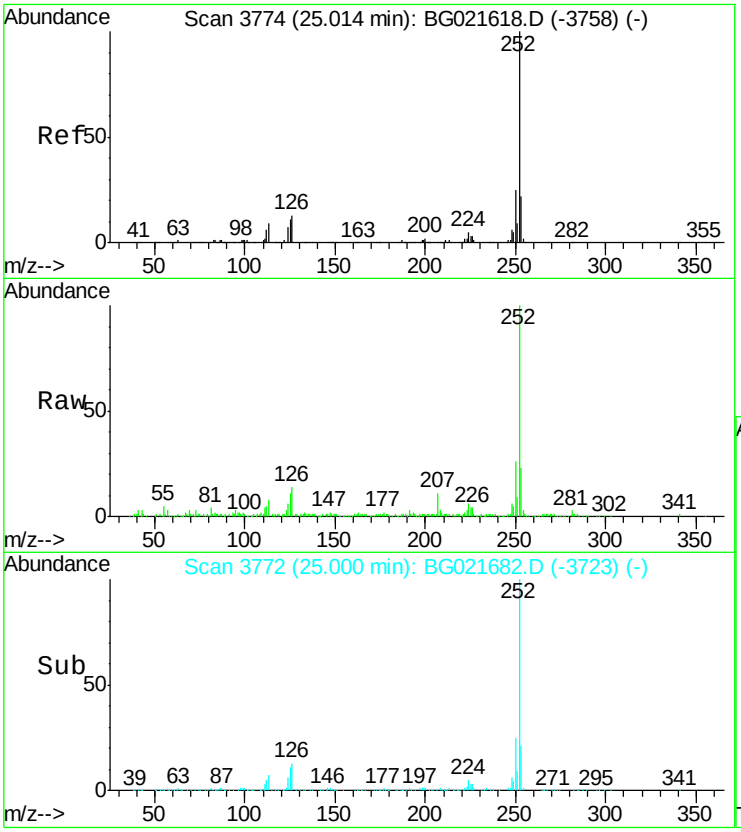


#88
Benzo(k)fluoranthene
Concen: 14.92 ng
RT: 24.10 min Scan# 3618
Delta R.T. -0.08 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion:252 Resp: 280738

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.8
125	11.3	8.3	12.5



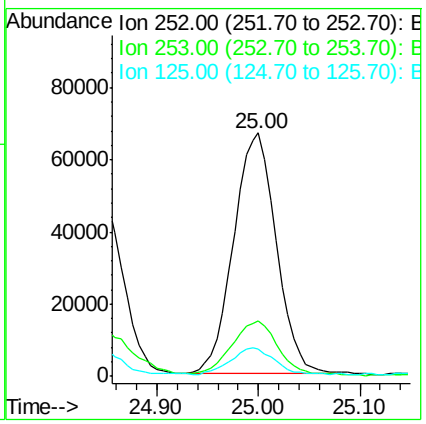


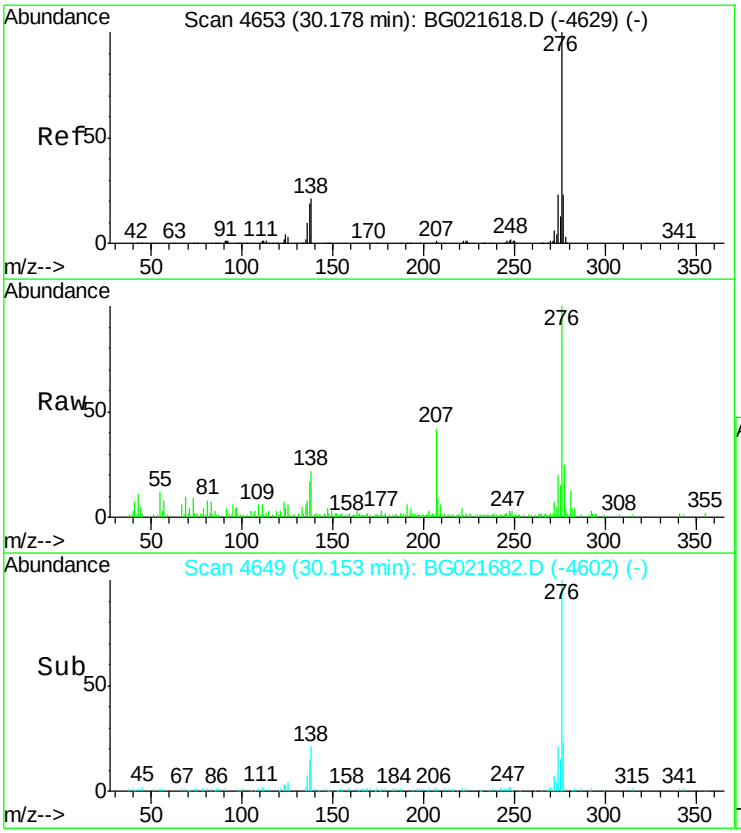
#89
Benzo(a)pyrene
Concen: 10.46 ng
RT: 25.00 min Scan# 3772
Delta R.T. -0.01 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Instrument :
BNA_G
ClientSampleId :
BH-12(5-9)

Tgt Ion:252 Resp: 195110

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	11.3	9.6	14.4





#91
Benzo(g,h,i)perylene
Concen: 6.17 ng
RT: 30.15 min Scan# 4649
Delta R.T. -0.03 min
Lab File: BG021682.D
Acq: 15 Apr 2016 11:22

Tgt Ion:276 Resp: 113149

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.4	29.2
138	22.1	17.4	26.0