Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016760.D
Acq On : 28 Apr 2015 9:12
Operator : TP/IZ
Sample : G1991-13 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-63S

Quant Time: Apr 28 13:44:06 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 23 19:19:11 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	50142	20.00	ng		-0.03
21) Naphthalene-d8	10.36	136	224491	20.00	ng		-0.03
38) Acenaphthene-d10	14.22	164	132350	20.00	ng		-0.03
63) Phenanthrene-d10	16.97	188	262590	20.00	ng		-0.02
75) Chrysene-d12	21.17	240	246001	20.00	ng		-0.02
86) Perylene-d12	23.36	264	245871	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.17	112	66948	21.67	ng		-0.02
7) Phenol-d6	6.77	99	92262	21.28	ng		-0.03
23) Nitrobenzene-d5	8.73	82	47545	13.38	ng		-0.03
41) 2,4,6-Tribromophenol	15.73	330	22046	22.45	ng		-0.02
44) 2-Fluorobiphenyl	12.84	172	119354	14.49	ng		-0.03
78) Terphenyl-d14	19.60	244	144355	13.52	ng		-0.03
Target Compounds							Qvalue
31) Naphthalene	10.40	128	63534	5.37	ng		95
37) 2-Methylnaphthalene	12.03	142	28819	3.37	ng		95
48) Acenaphthylene	13.95	152	43037	3.08	ng		95
51) Acenaphthene	14.29	154	104648	12.46	ng		98
54) Dibenzofuran	14.63	168	116876	9.87	ng		96
57) Fluorene	15.27	166	124748	12.05	ng		98
70) Phenanthrene	17.02	178	2258342m	149.71	ng		
71) Anthracene	17.11	178	655343	43.67	ng		100
72) Carbazole	17.38	167	221455	14.73	ng		97
74) Fluoranthene	19.05	202	2970977	185.86	ng		78
77) Pyrene	19.42	202	2871779	166.17	ng	#	78
80) Benzo(a)anthracene	21.15	228	1506379	100.99	ng		93
82) Chrysene	21.21	228	1392900m	97.40	ng		
85) Indeno(1,2,3-cd)pyrene	25.60	276	657132	42.16	ng	#	84
87) Benzo(b)fluoranthene	22.71	252	1516842m	101.57	ng		
88) Benzo(k)fluoranthene	22.75	252	549490m	37.70	ng		
89) Benzo(a)pyrene	23.28	252	1170792	83.19	ng		96
90) Dibenzo(a,h)anthracene	25.60	278	162827	11.90	ng	#	66
91) Benzo(g,h,i)perylene	26.28	276	584087	41.95	ng		99

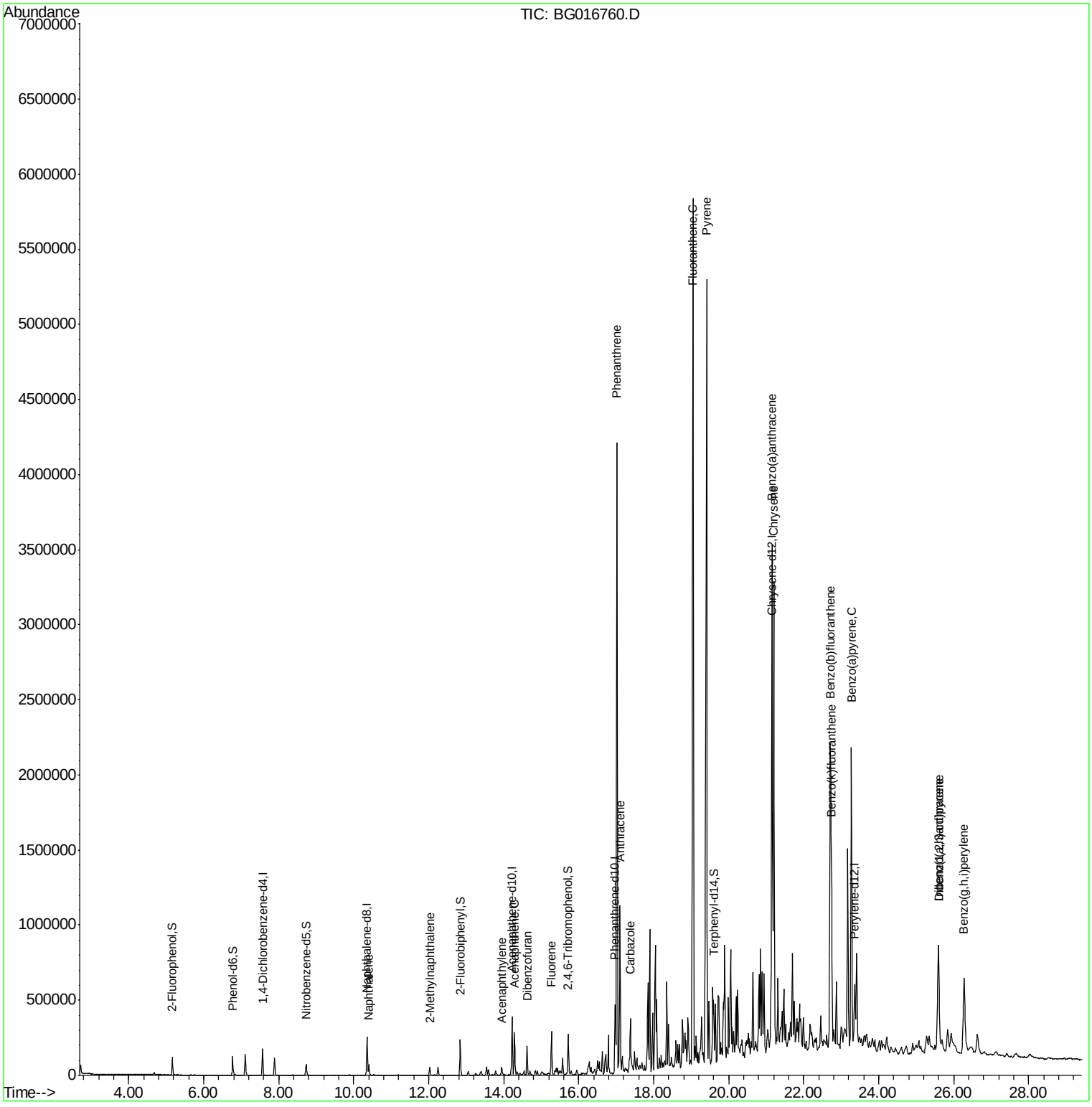
(#) = qualifier out of range (m) = manual integration (+) = signals summed

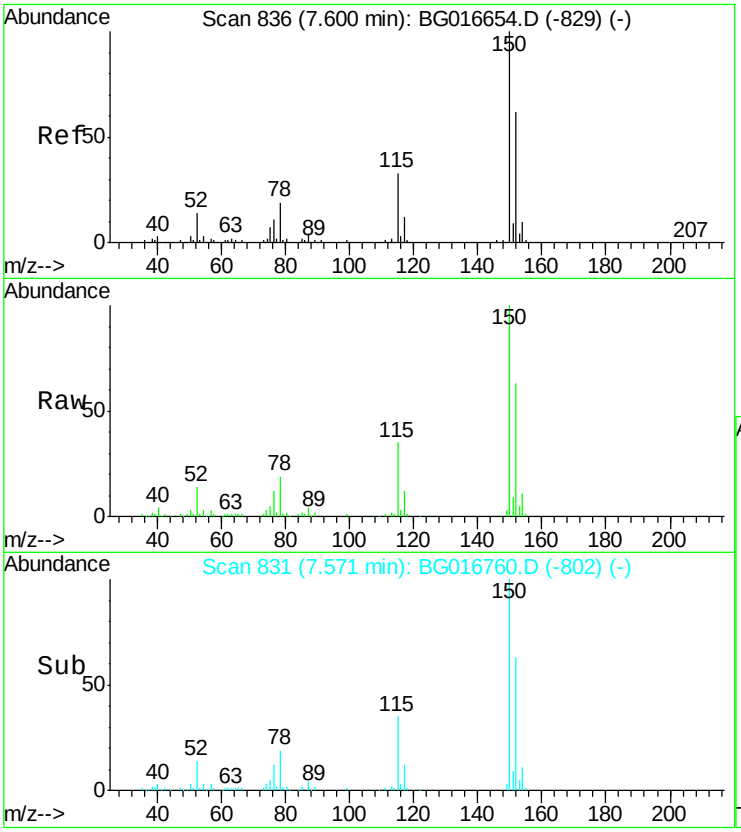
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
Data File : BG016760.D
Acq On : 28 Apr 2015 9:12
Operator : TP/IZ
Sample : G1991-13 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-63S

Quant Time: Apr 28 13:44:06 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 23 19:19:11 2015
Response via : Initial Calibration



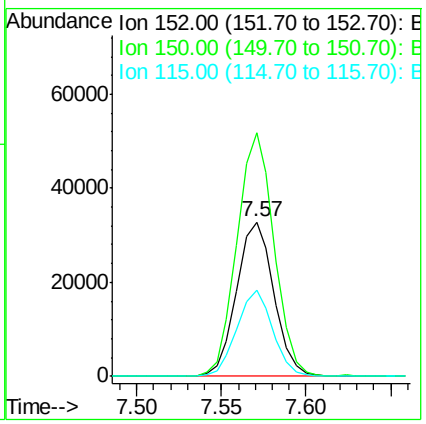


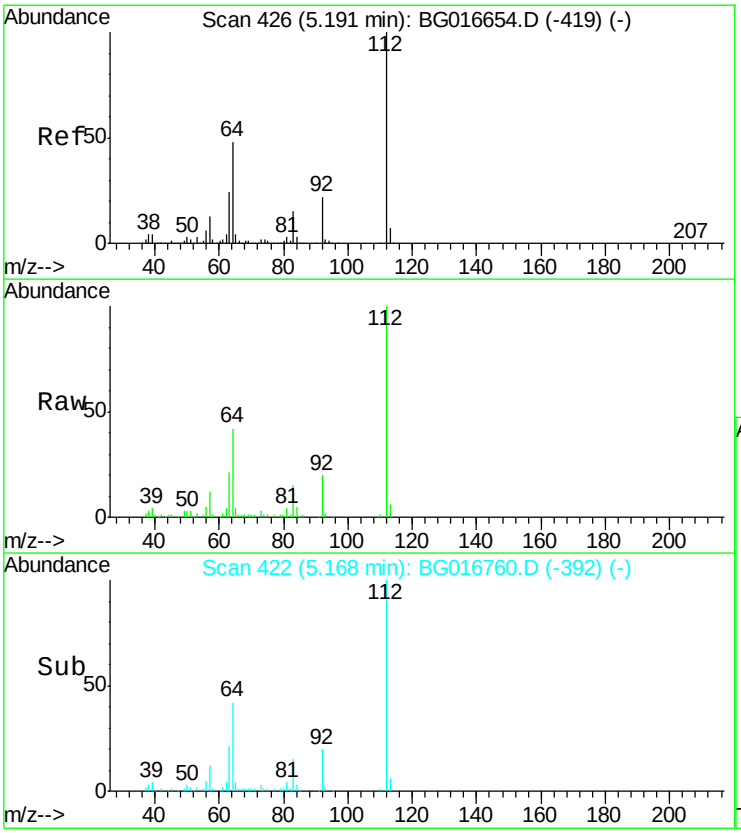
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.57 min Scan# 831
Delta R.T. -0.03 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion:152 Resp: 50142

Ion	Ratio	Lower	Upper
152	100		
150	158.0	129.6	194.4
115	55.9	43.0	64.6

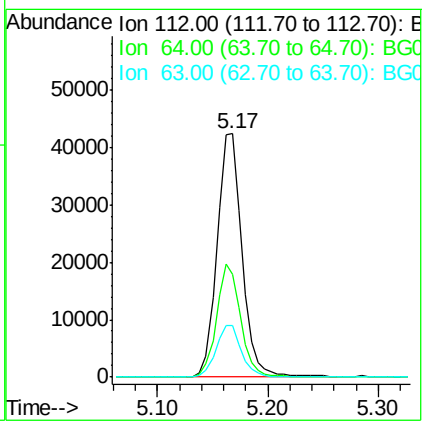


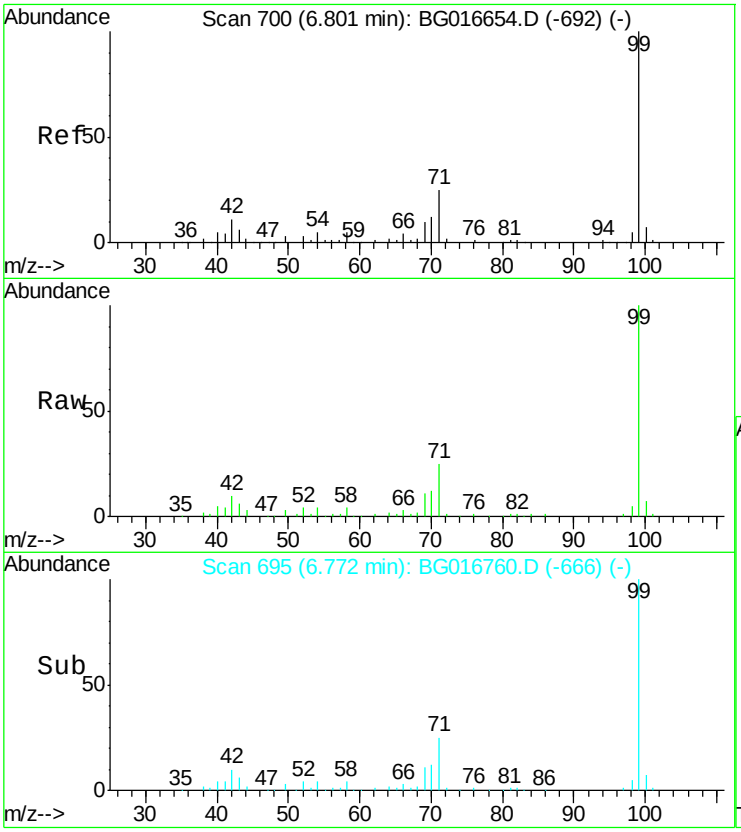


#5
2-Fluorophenol
Concen: 21.67 ng
RT: 5.17 min Scan# 422
Delta R.T. -0.02 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:112 Resp: 66948

Ion	Ratio	Lower	Upper
112	100		
64	42.3	38.3	57.5
63	21.4	18.9	28.3



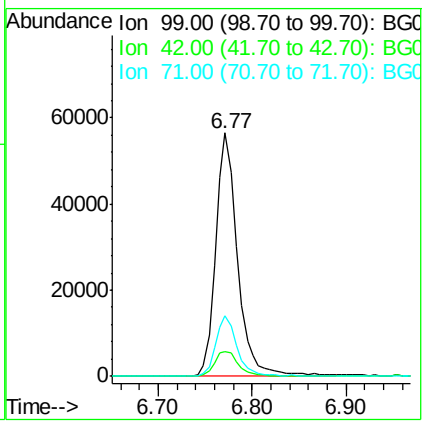


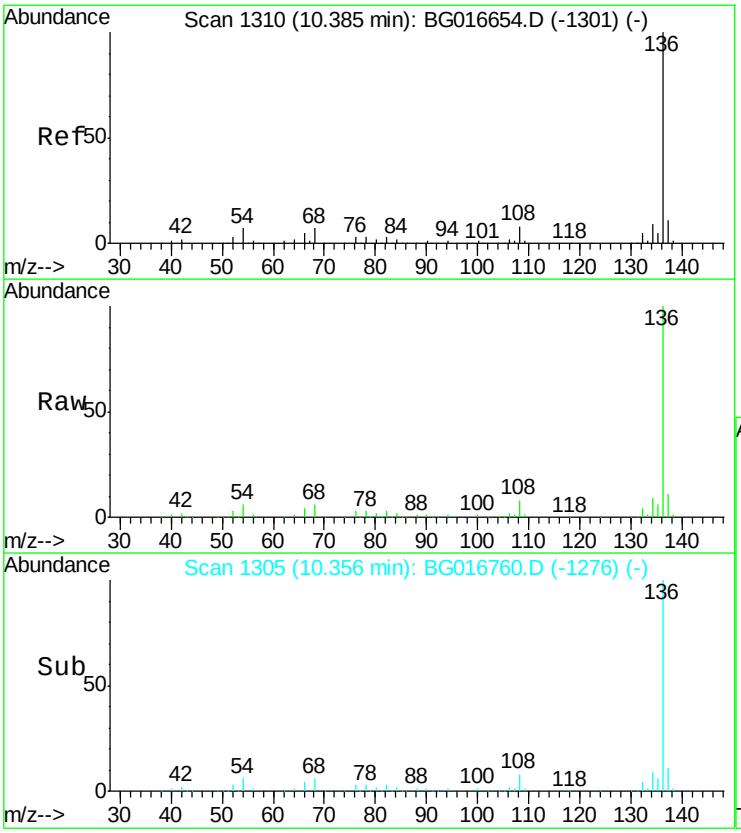
#7
Phenol-d6
Concen: 21.28 ng
RT: 6.77 min Scan# 695
Delta R.T. -0.03 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion: 99 Resp: 92262

Ion	Ratio	Lower	Upper
99	100		
42	10.3	8.8	13.2
71	24.9	19.9	29.9

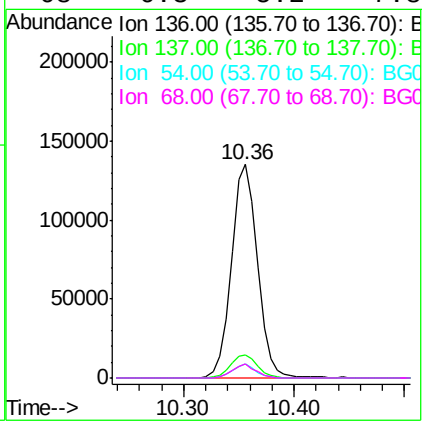


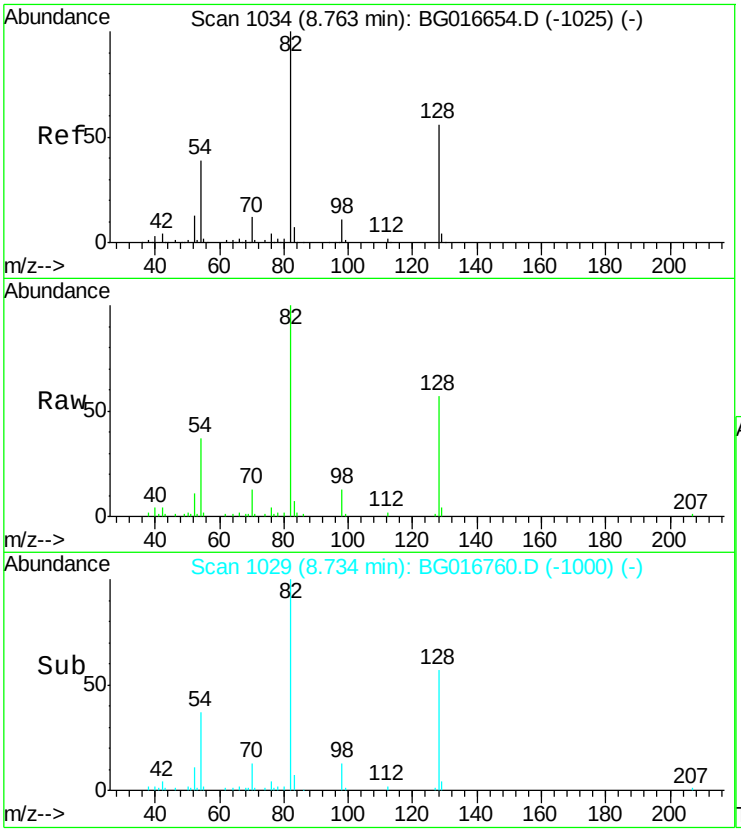


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.36 min Scan# 1305
Delta R.T. -0.03 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:136 Resp: 224491

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	6.4	5.4	8.2
68	6.3	5.2	7.8



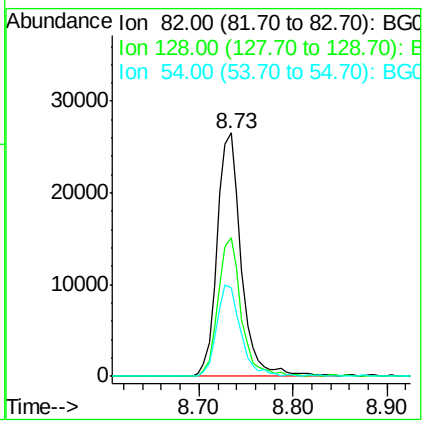


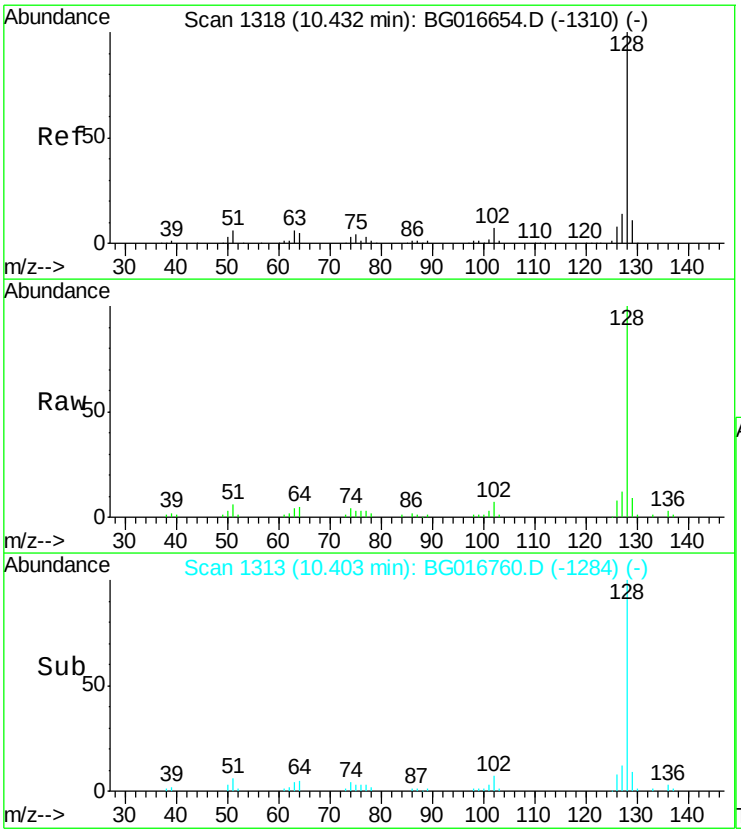
#23
Nitrobenzene-d5
Concen: 13.38 ng
RT: 8.73 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion: 82 Resp: 47545

Ion	Ratio	Lower	Upper
82	100		
128	57.0	44.7	67.1
54	36.6	30.9	46.3

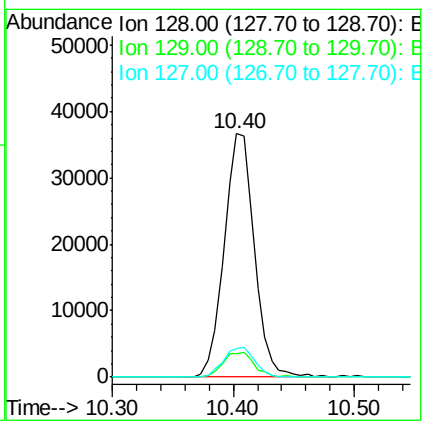


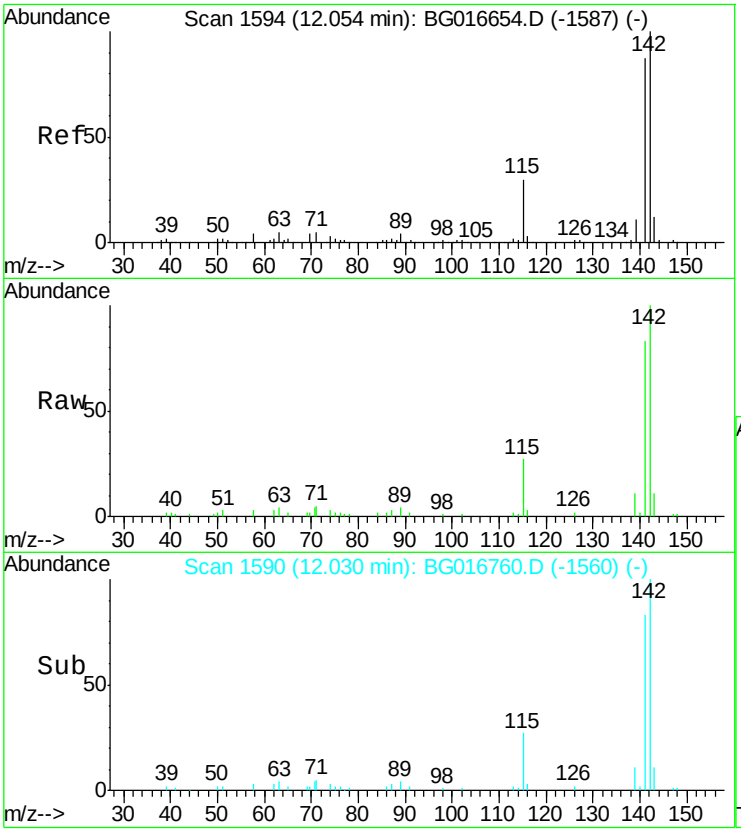


#31
Naphthalene
Concen: 5.37 ng
RT: 10.40 min Scan# 1313
Delta R.T. -0.03 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:128 Resp: 63534

Ion	Ratio	Lower	Upper
128	100		
129	9.4	9.0	13.6
127	11.8	11.1	16.7



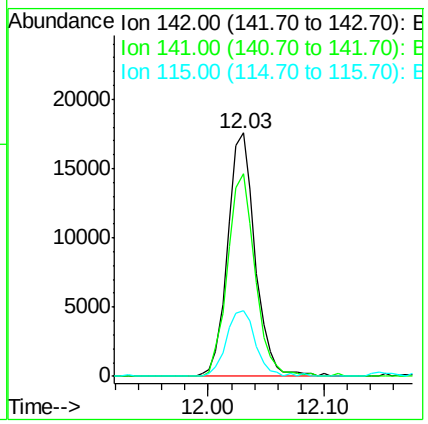


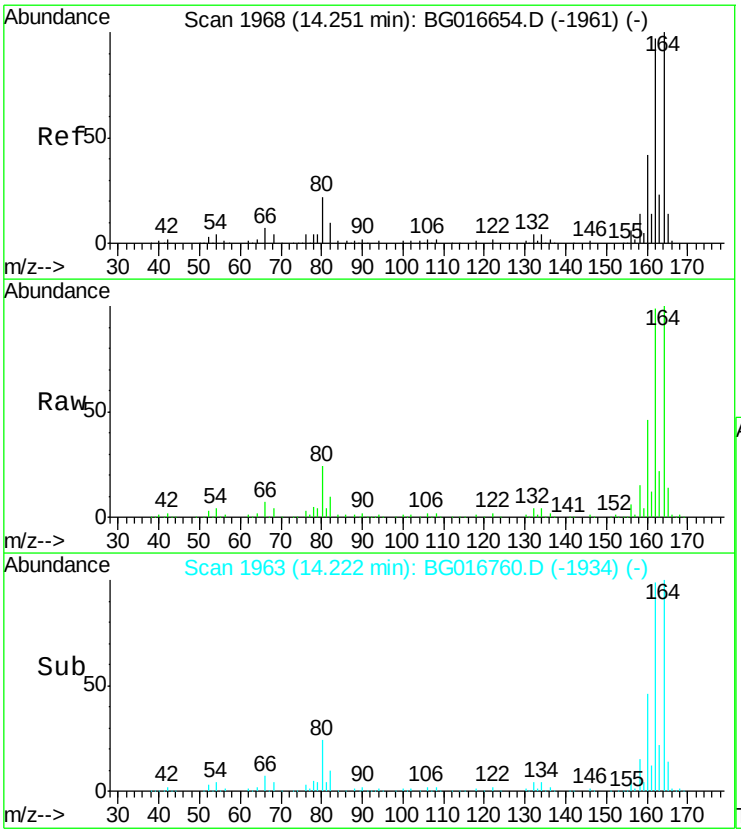
#37
2-Methylnaphthalene
Concen: 3.37 ng
RT: 12.03 min Scan# 1590
Delta R.T. -0.02 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion:142 Resp: 28819

Ion	Ratio	Lower	Upper
142	100		
141	83.1	69.9	104.9
115	26.9	24.0	36.0

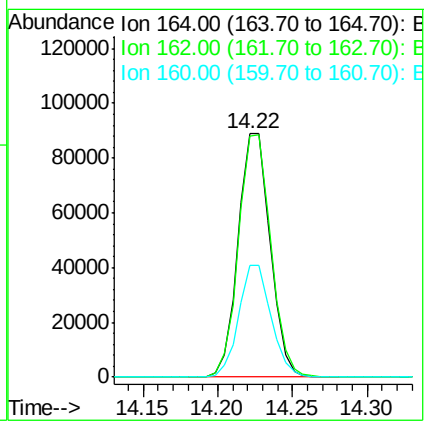


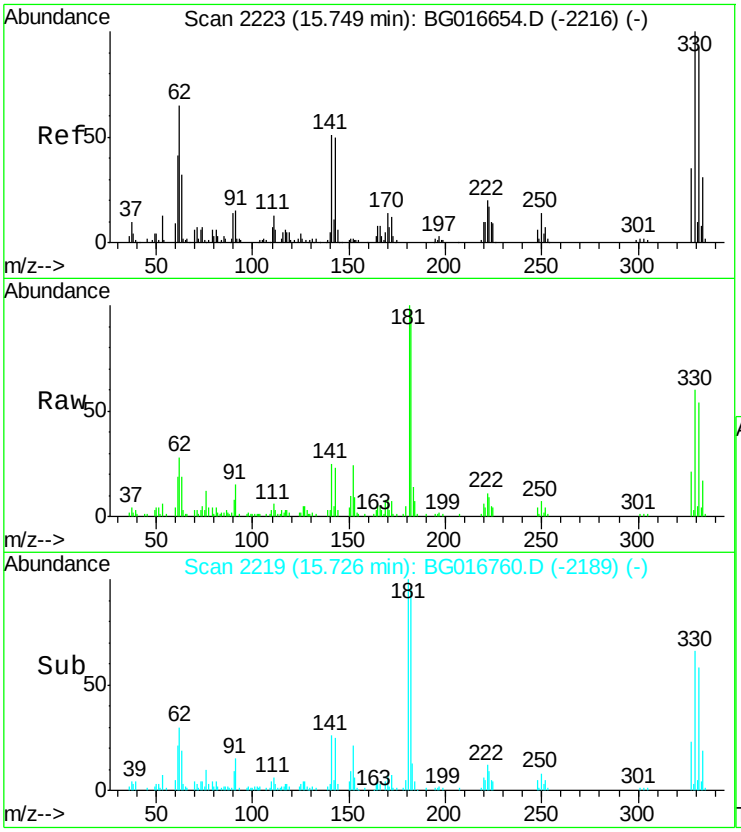


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.22 min Scan# 1963
Delta R.T. -0.03 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:164 Resp: 132350

Ion	Ratio	Lower	Upper
164	100		
162	98.8	77.3	115.9
160	45.8	33.7	50.5



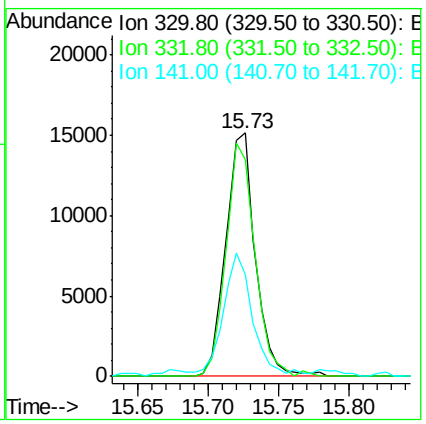


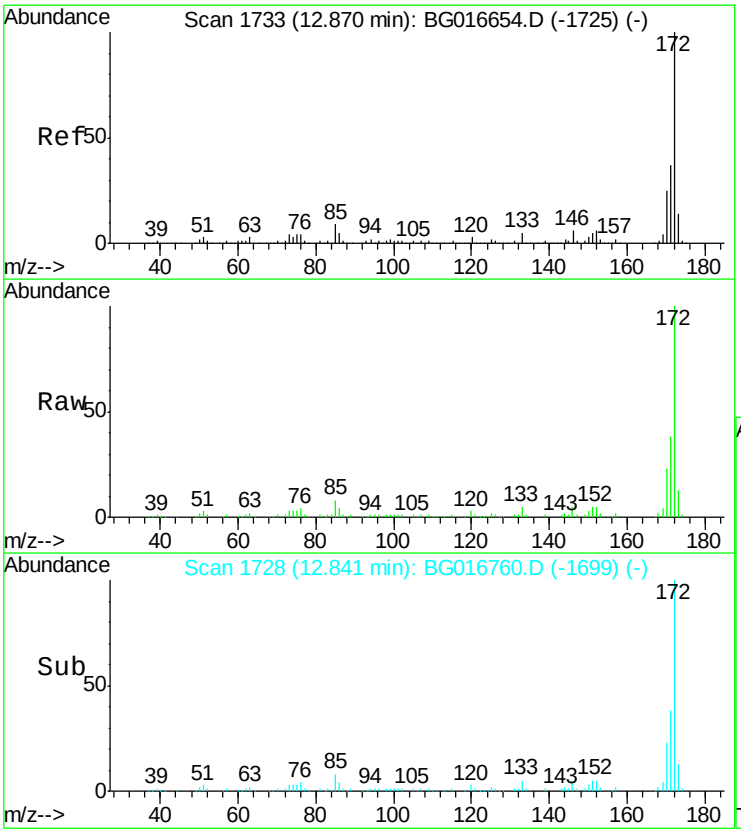
#41
2,4,6-Tribromophenol
Concen: 22.45 ng
RT: 15.73 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion:330 Resp: 22046

Ion	Ratio	Lower	Upper
330	100		
332	93.4	76.2	114.4
141	51.0	43.0	64.6

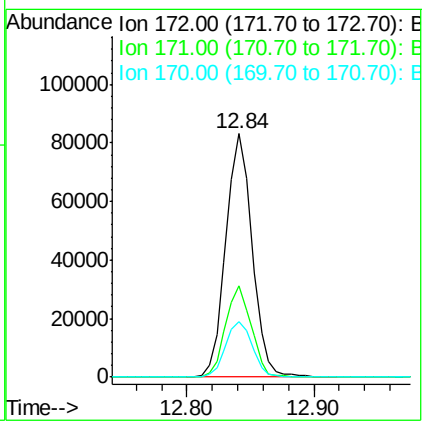


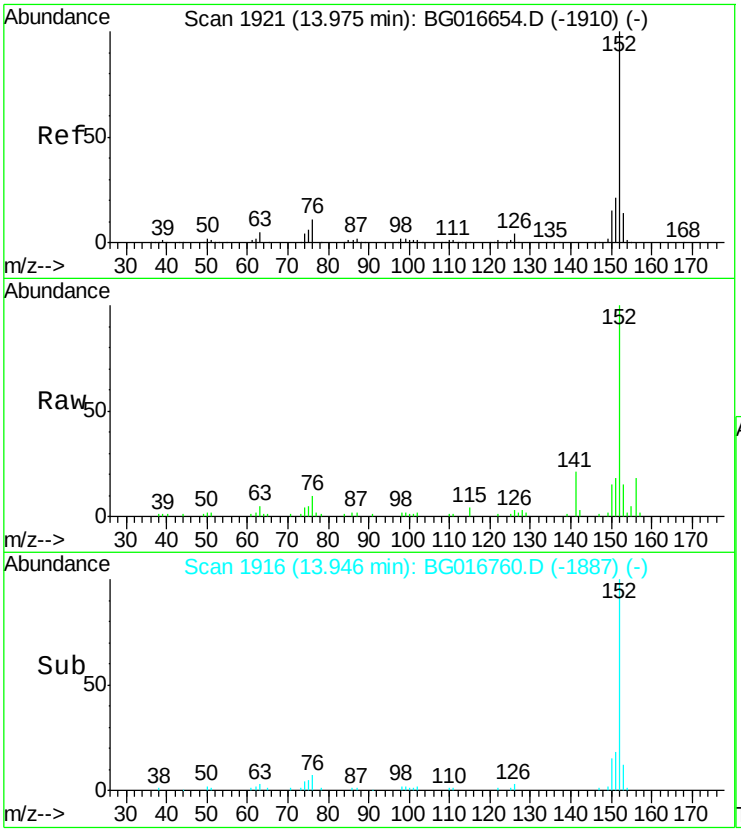


#44
2-Fluorobiphenyl
Concen: 14.49 ng
RT: 12.84 min Scan# 1728
Delta R.T. -0.03 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:172 Resp: 119354

Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.9	44.9
170	22.6	19.8	29.8



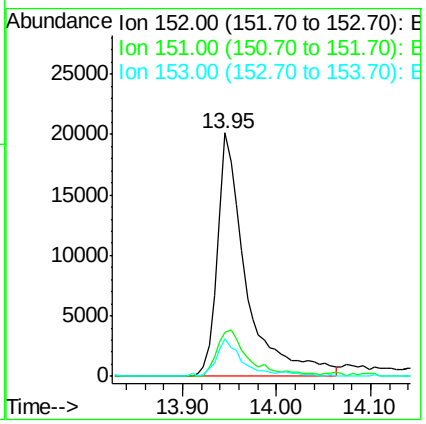


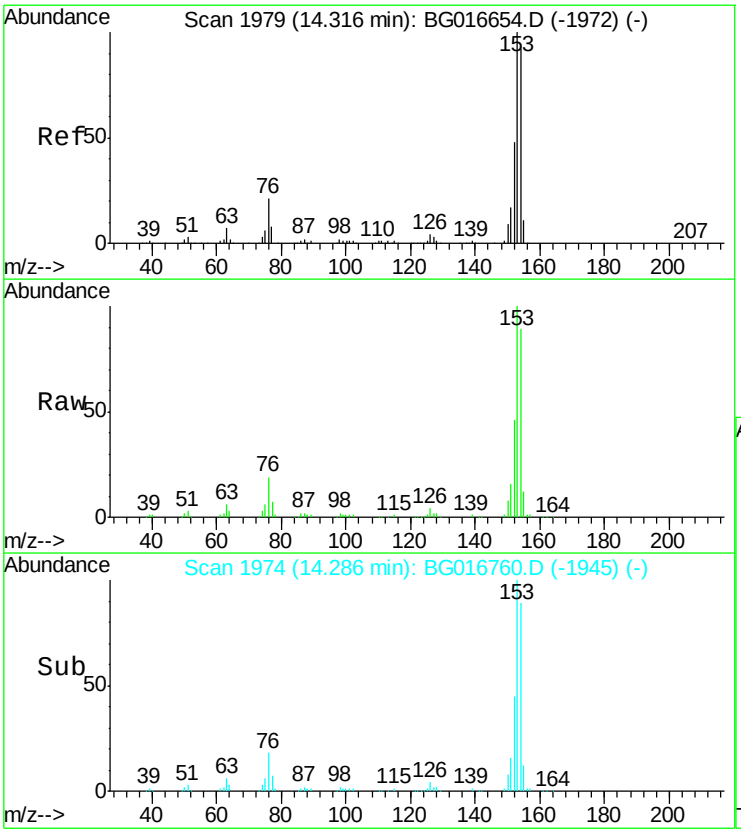
#48
Acenaphthylene
Concen: 3.08 ng
RT: 13.95 min Scan# 1916
Delta R.T. -0.03 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion:152 Resp: 43037

Ion	Ratio	Lower	Upper
152	100		
151	18.2	16.7	25.1
153	15.2	11.0	16.6

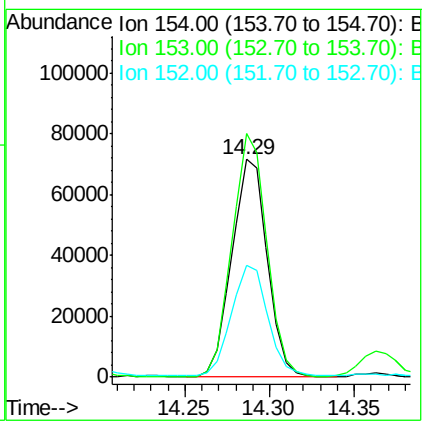


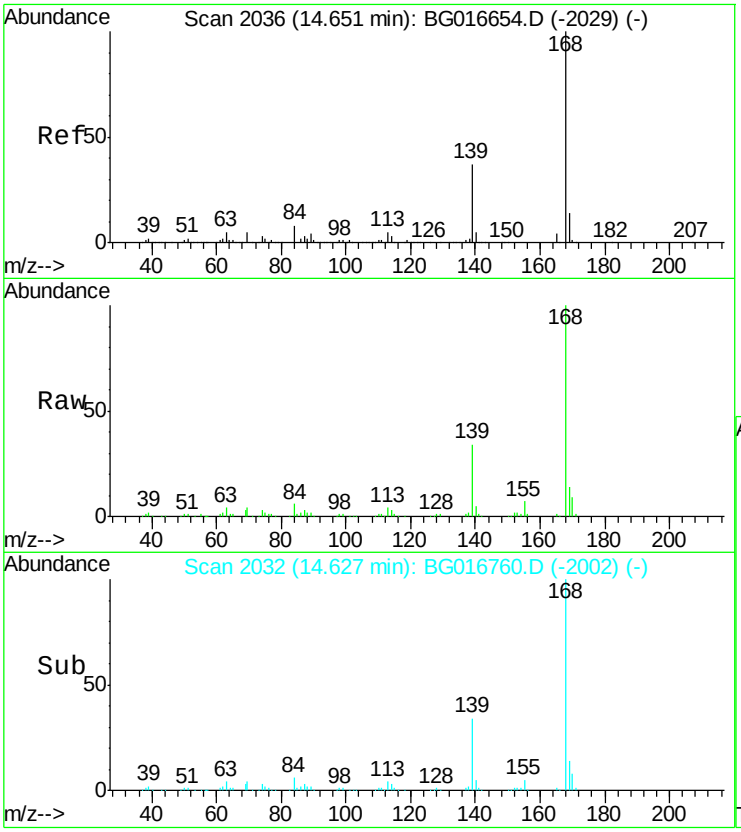


#51
Acenaphthene
Concen: 12.46 ng
RT: 14.29 min Scan# 1974
Delta R.T. -0.03 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:154 Resp: 104648

Ion	Ratio	Lower	Upper
154	100		
153	112.0	87.0	130.6
152	51.2	41.6	62.4



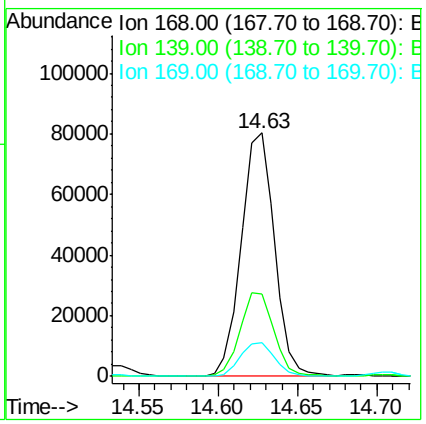


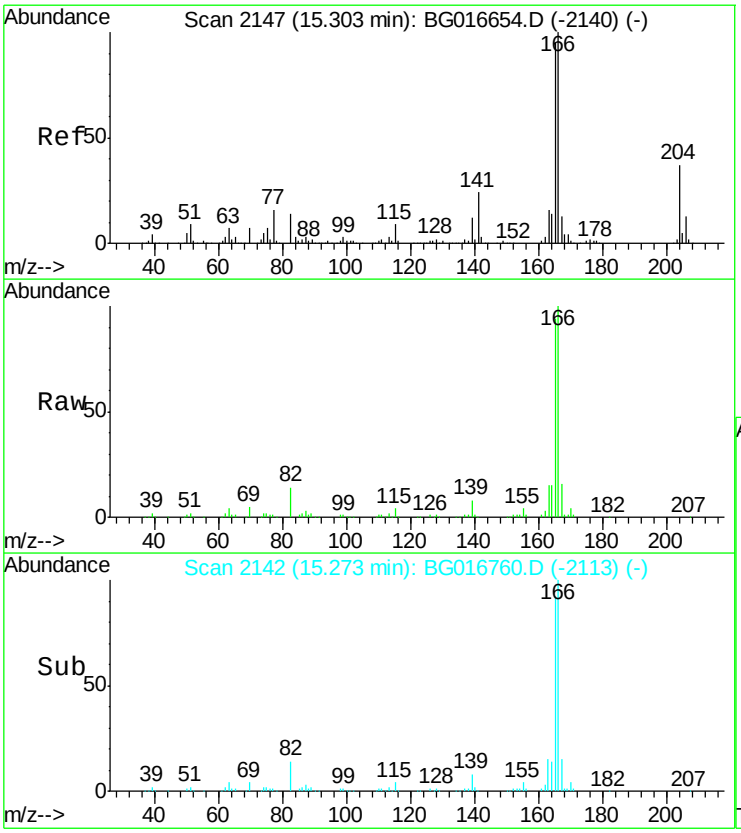
#54
Dibenzofuran
Concen: 9.87 ng
RT: 14.63 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion:168 Resp: 116876

Ion	Ratio	Lower	Upper
168	100		
139	33.9	29.8	44.8
169	14.1	11.0	16.4

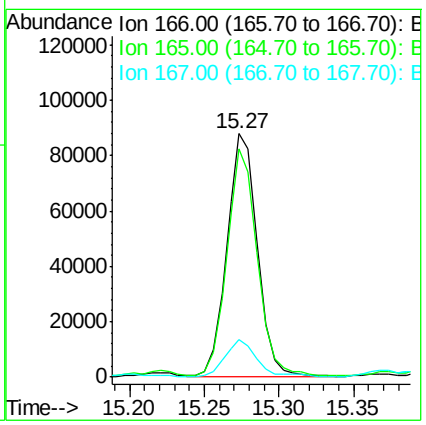


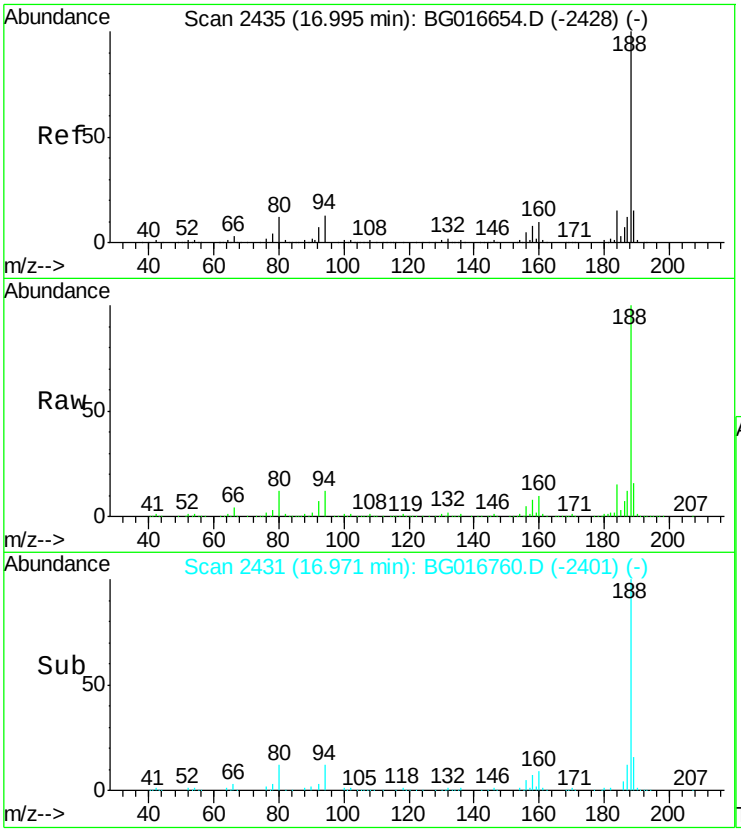


#57
Fluorene
Concen: 12.05 ng
RT: 15.27 min Scan# 2142
Delta R.T. -0.03 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:166 Resp: 124748

Ion	Ratio	Lower	Upper
166	100		
165	93.5	75.6	113.4
167	15.5	10.7	16.1



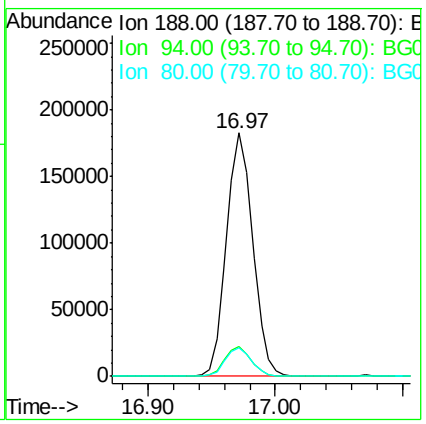


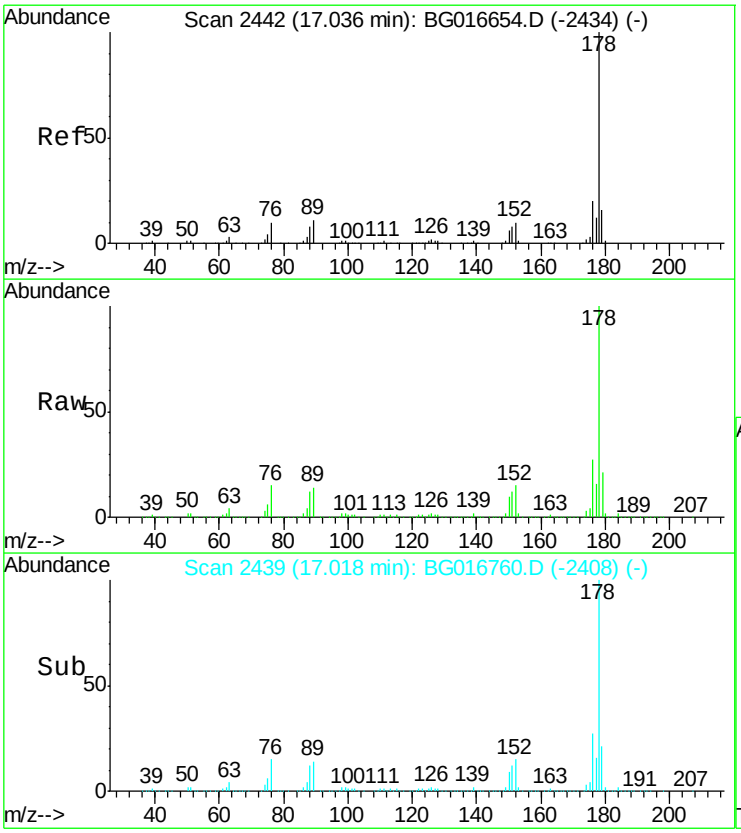
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion:188 Resp: 262590

Ion	Ratio	Lower	Upper
188	100		
94	12.1	10.7	16.1
80	11.9	9.9	14.9

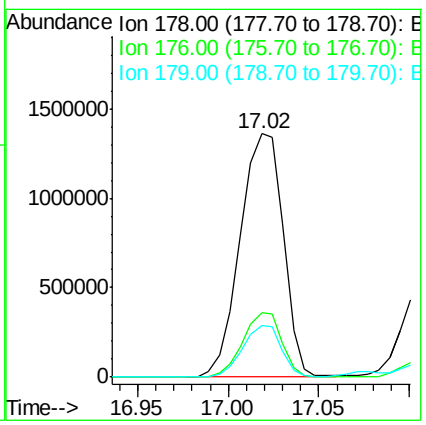


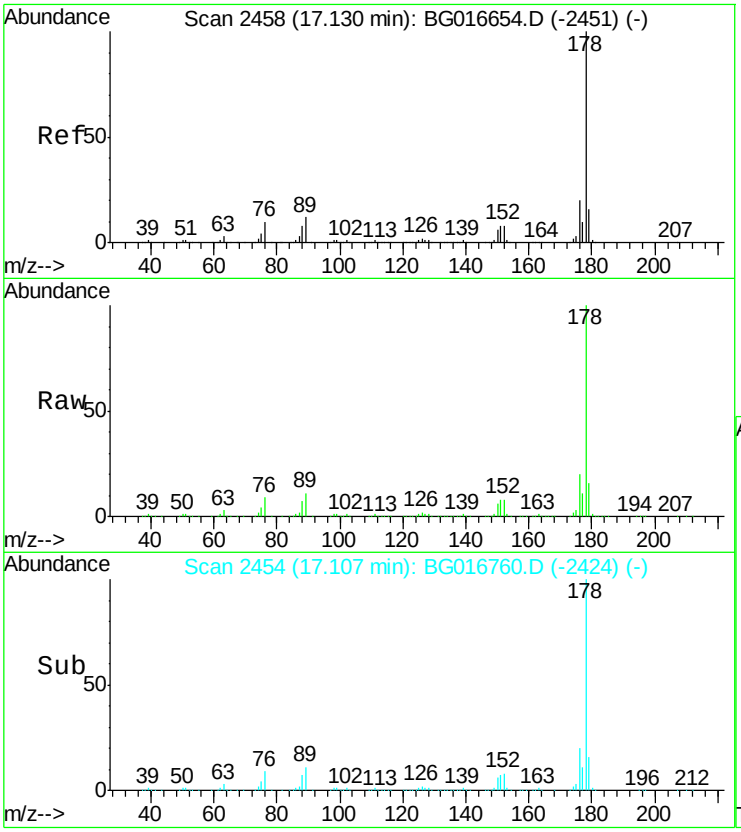


#70
Phenanthrene
Concen: 149.71 ng m
RT: 17.02 min Scan# 2439
Delta R.T. -0.02 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:178 Resp: 2258342

Ion	Ratio	Lower	Upper
178	100		
176	26.6	15.8	23.6#
179	21.3	12.8	19.2#



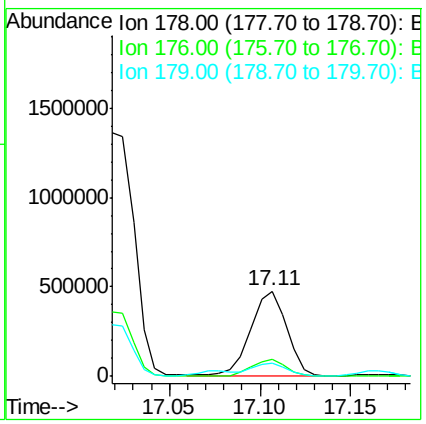


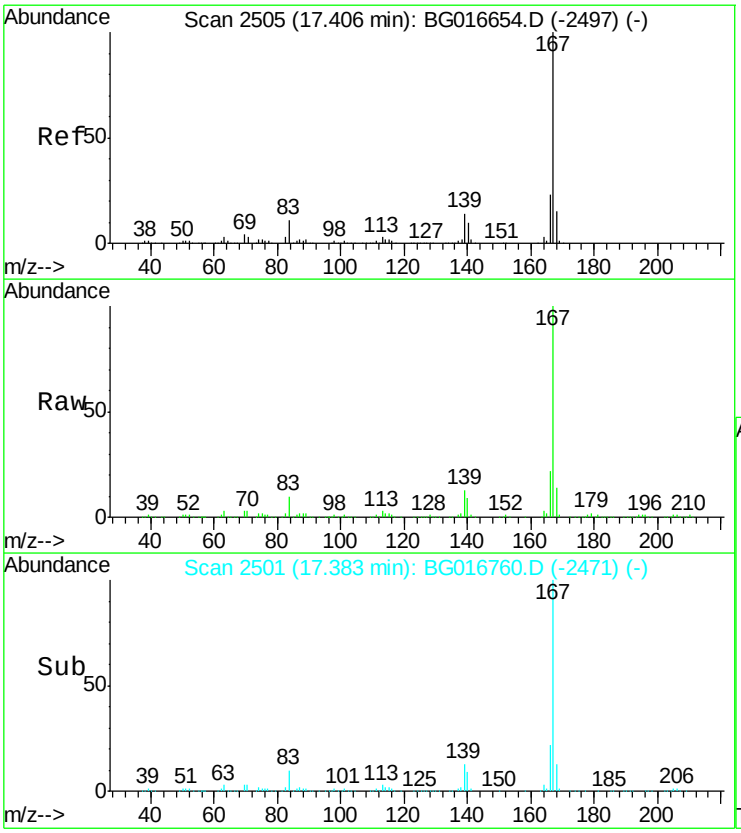
#71
Anthracene
Concen: 43.67 ng
RT: 17.11 min Scan# 2454
Delta R.T. -0.02 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion:178 Resp: 655343

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	15.9	12.9	19.3

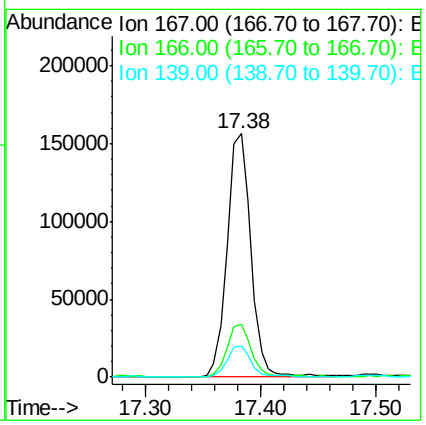


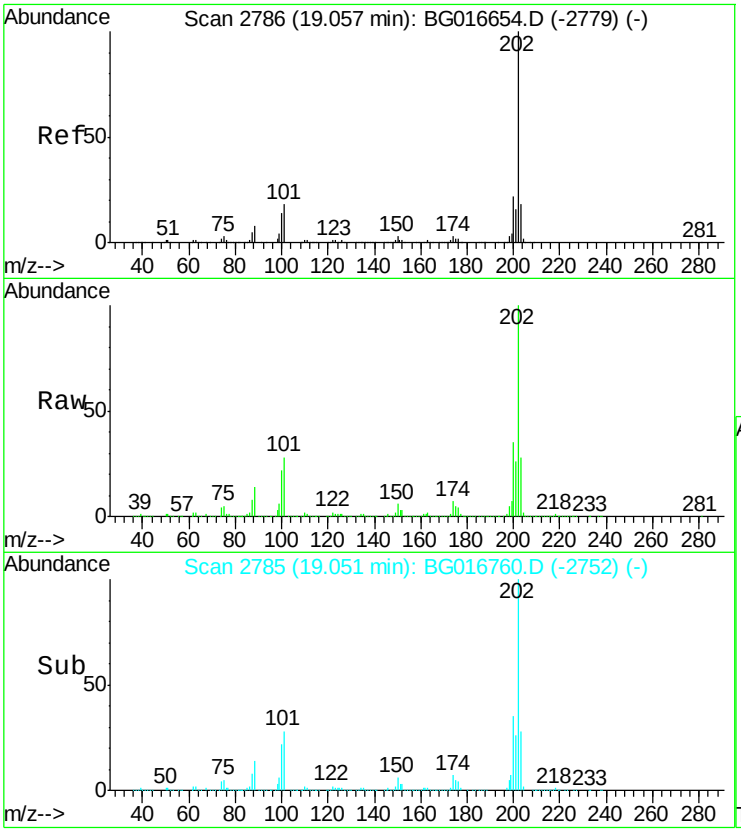


#72
Carbazole
Concen: 14.73 ng
RT: 17.38 min Scan# 2501
Delta R.T. -0.02 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:167 Resp: 221455

Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.4	27.6
139	12.8	11.1	16.7



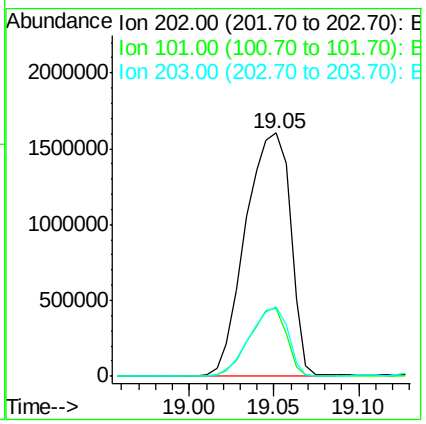


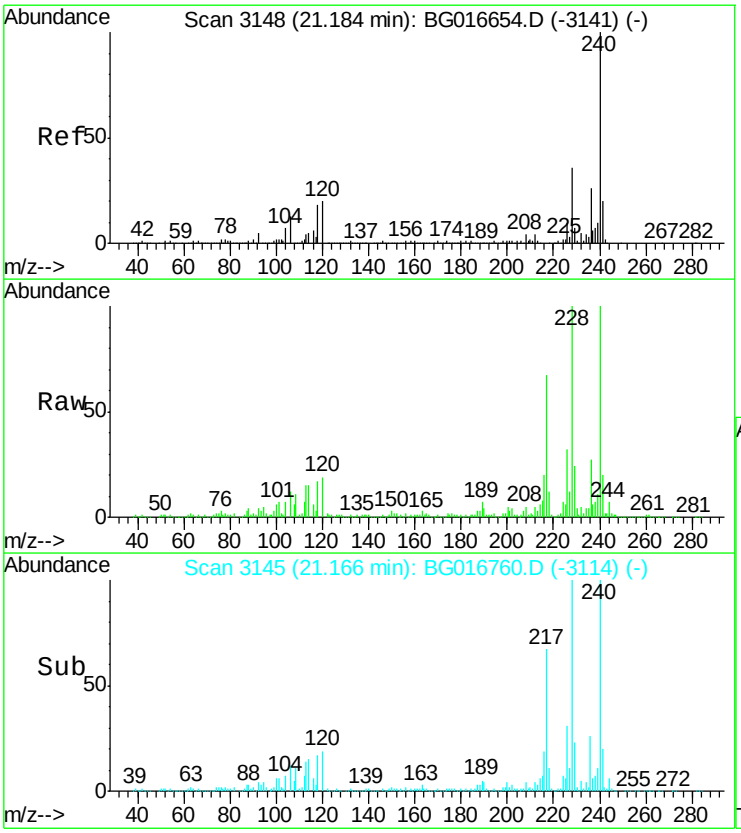
#74
Fluoranthene
Concen: 185.86 ng
RT: 19.05 min Scan# 2785
Delta R.T. -0.01 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion:202 Resp: 2970977

Ion	Ratio	Lower	Upper
202	100		
101	27.8	0.0	38.1
203	28.5	0.0	38.4

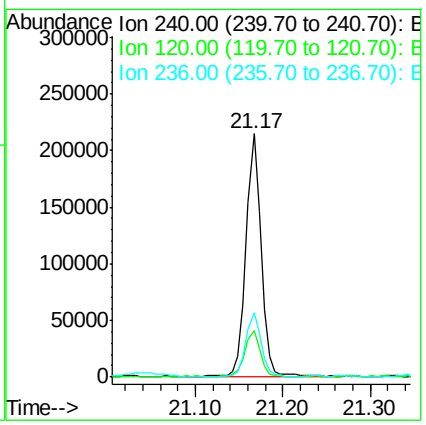


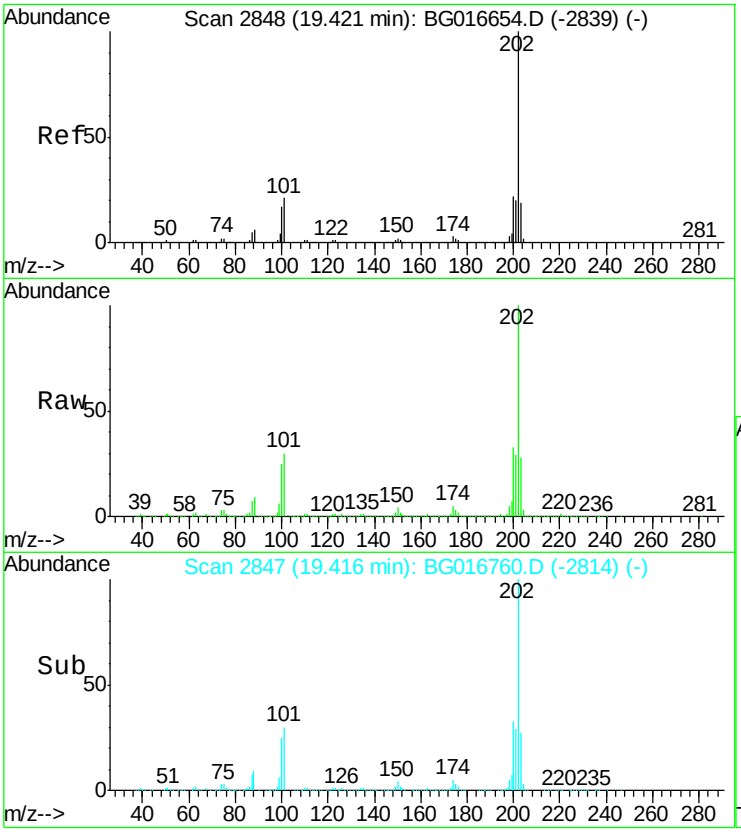


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.17 min Scan# 3145
Delta R.T. -0.02 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:240 Resp: 246001

Ion	Ratio	Lower	Upper
240	100		
120	19.0	16.3	24.5
236	26.6	21.1	31.7



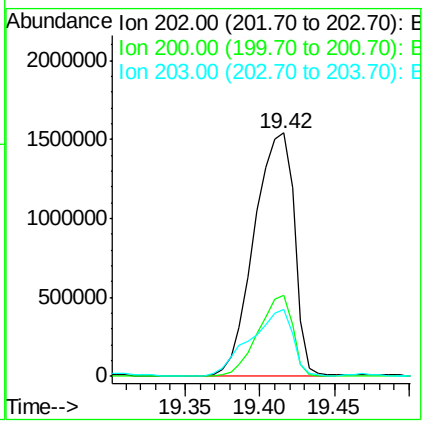


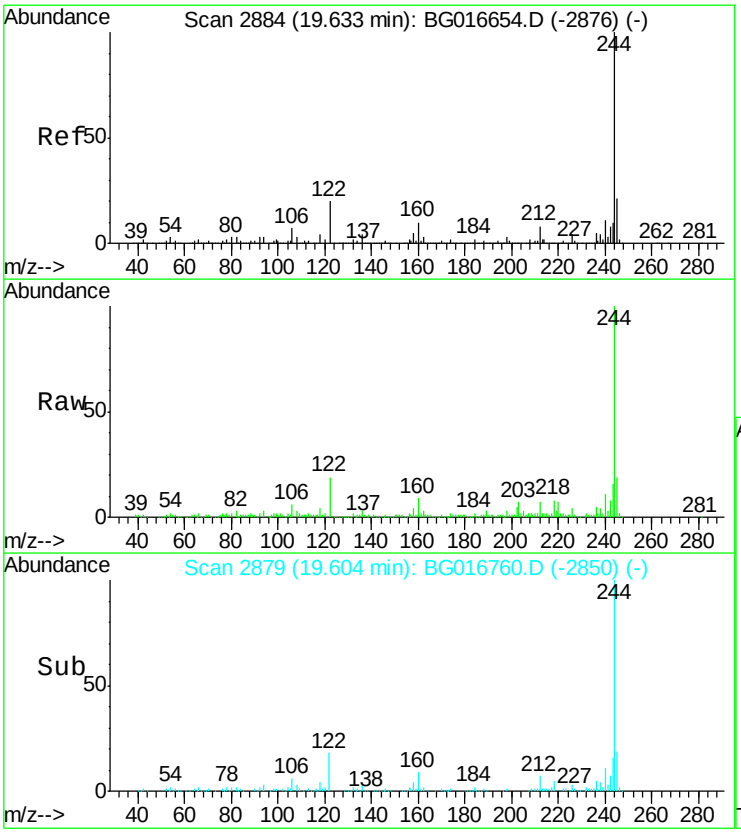
#77
Pyrene
Concen: 166.17 ng
RT: 19.42 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion:202 Resp: 2871779

Ion	Ratio	Lower	Upper
202	100		
200	33.4	18.0	27.0#
203	27.7	14.9	22.3#

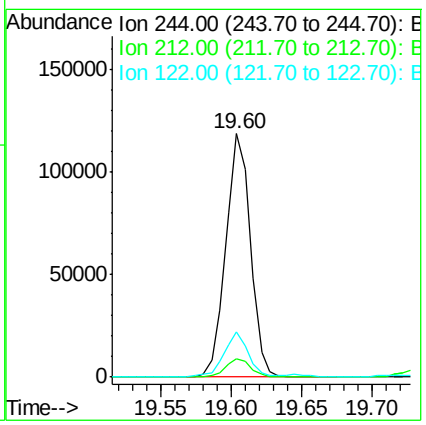


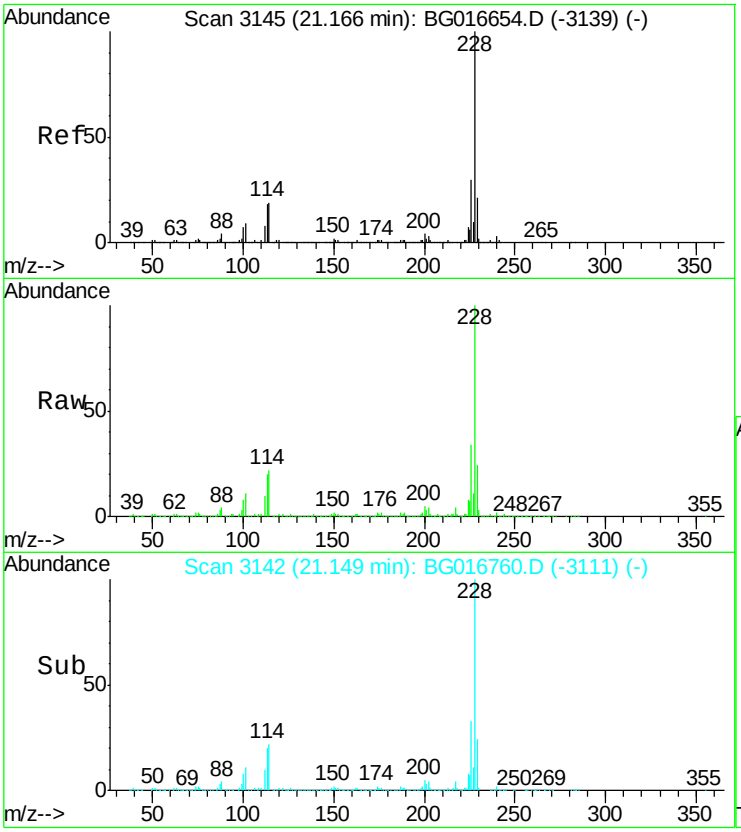


#78
Terphenyl-d14
Concen: 13.52 ng
RT: 19.60 min Scan# 2879
Delta R.T. -0.03 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:244 Resp: 144355

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.4	9.6
122	18.6	15.9	23.9



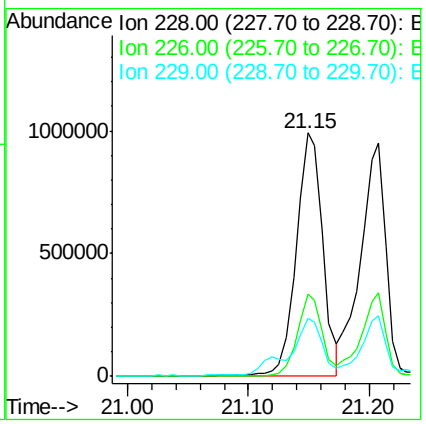


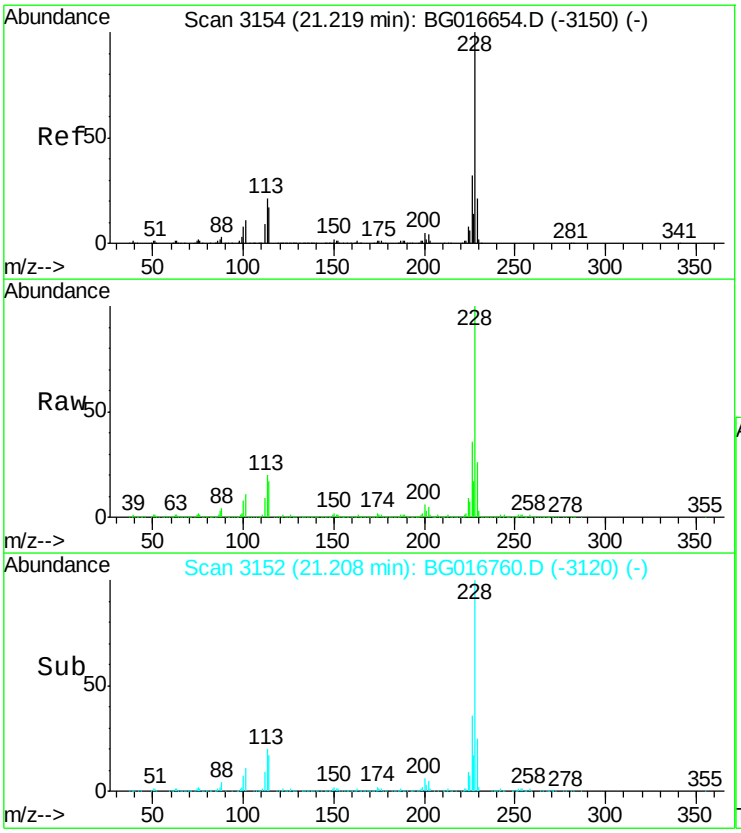
#80
Benzo(a)anthracene
Concen: 100.99 ng
RT: 21.15 min Scan# 3142
Delta R.T. -0.02 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion:228 Resp: 1506379

Ion	Ratio	Lower	Upper
228	100		
226	33.6	23.8	35.6
229	24.0	17.0	25.4

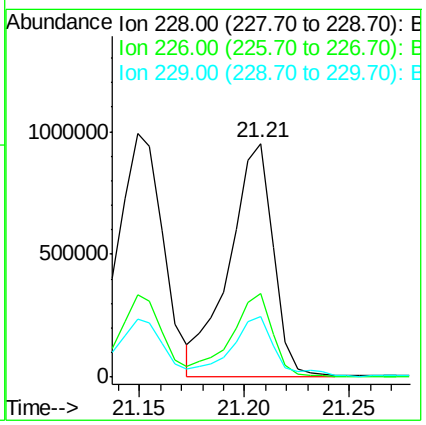


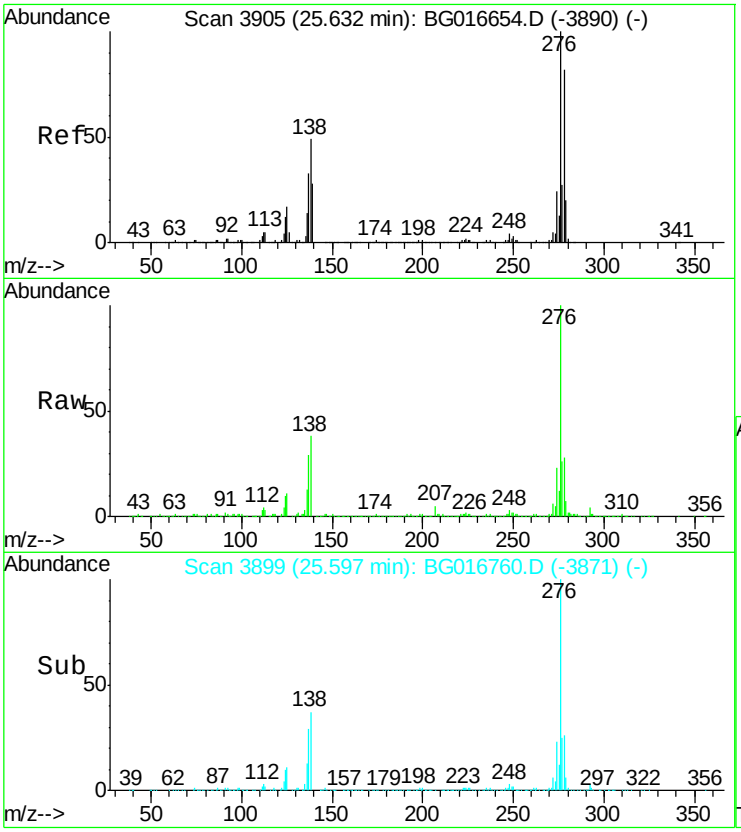


#82
Chrysene
Concen: 97.40 ng m
RT: 21.21 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:228 Resp: 1392900

Ion	Ratio	Lower	Upper
228	100		
226	35.6	25.4	38.0
229	25.8	16.5	24.7#



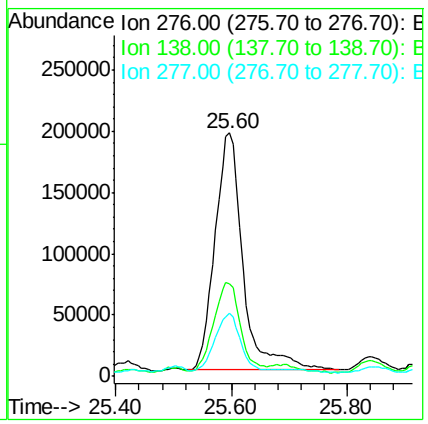


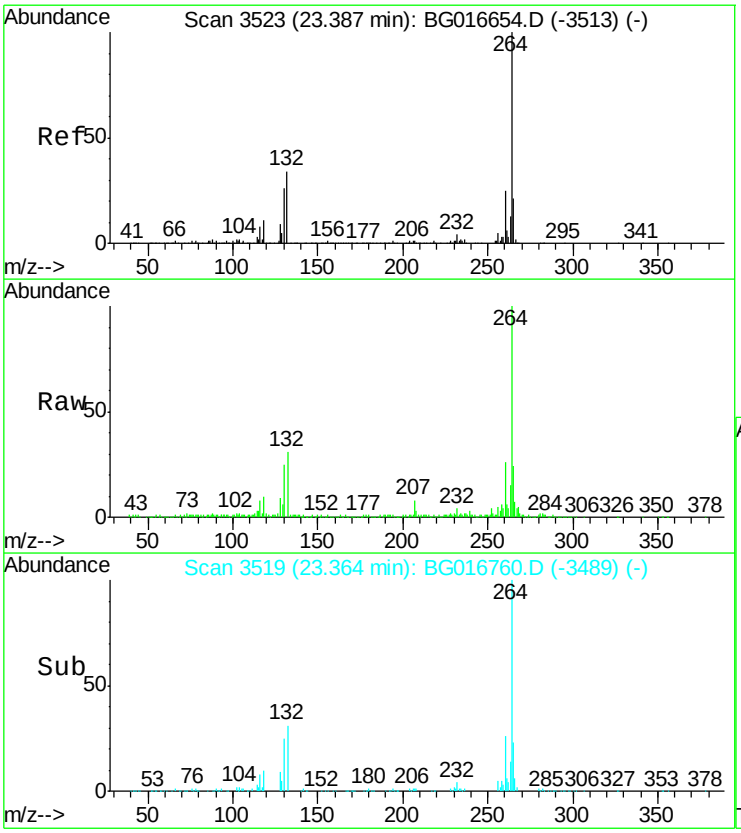
#85
Indeno(1,2,3-cd)pyrene
Concen: 42.16 ng
RT: 25.60 min Scan# 3899
Delta R.T. -0.04 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion:276 Resp: 657132

Ion	Ratio	Lower	Upper
276	100		
138	34.7	38.2	57.2#
277	21.5	21.4	32.2

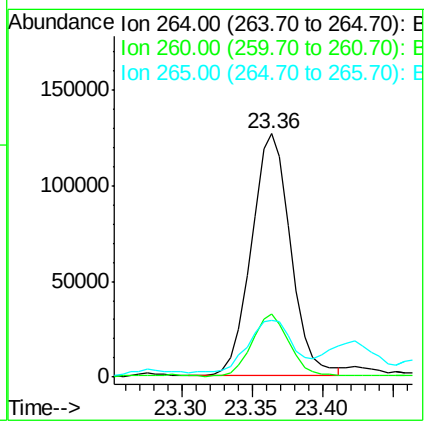


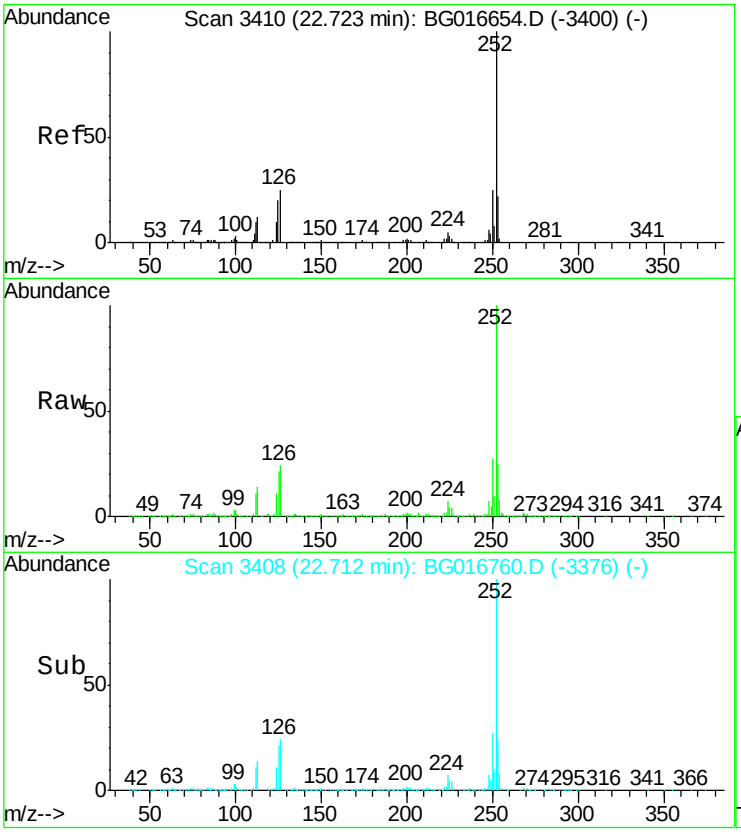


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.36 min Scan# 3519
Delta R.T. -0.02 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:264 Resp: 245871

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.0	30.0
265	23.5	16.8	25.2



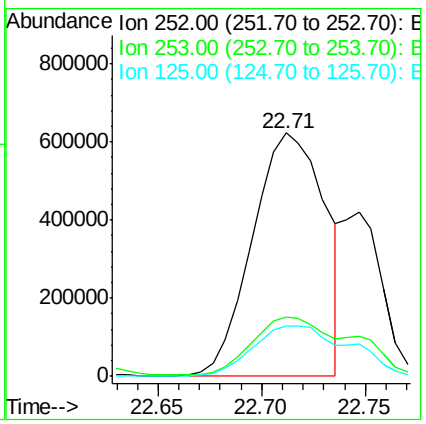


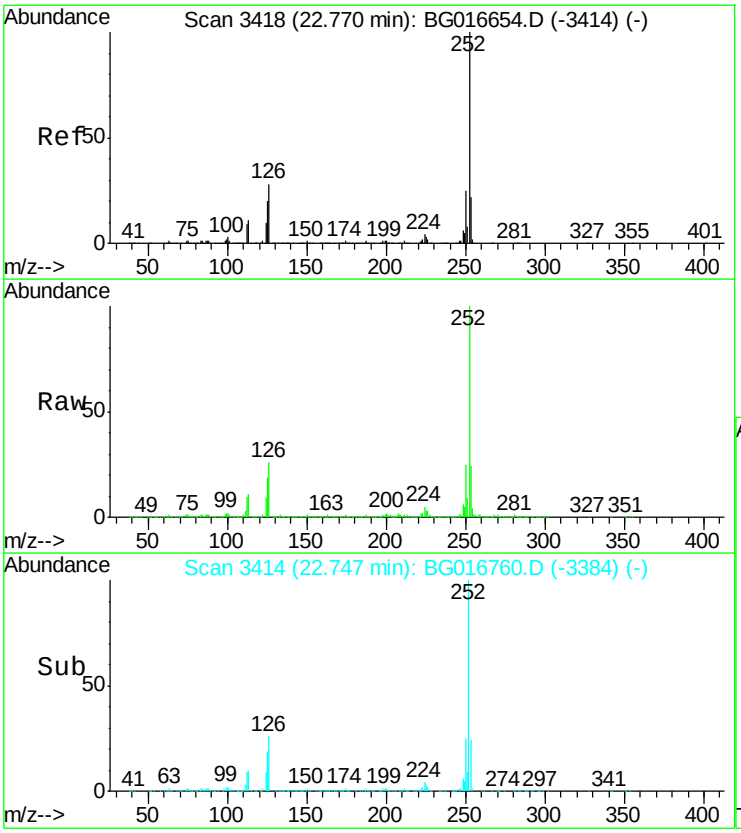
#87
Benzo(b)fluoranthene
Concen: 101.57 ng m
RT: 22.71 min Scan# 3408
Delta R.T. -0.01 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion:252 Resp: 1516842

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	20.7	15.8	23.8

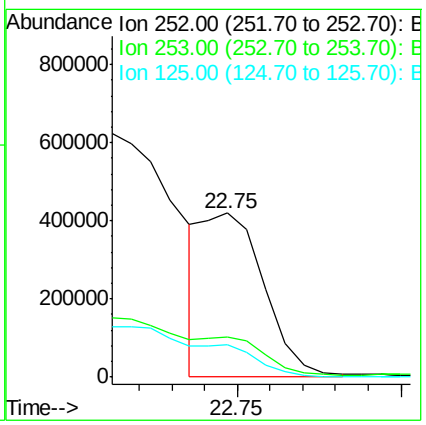


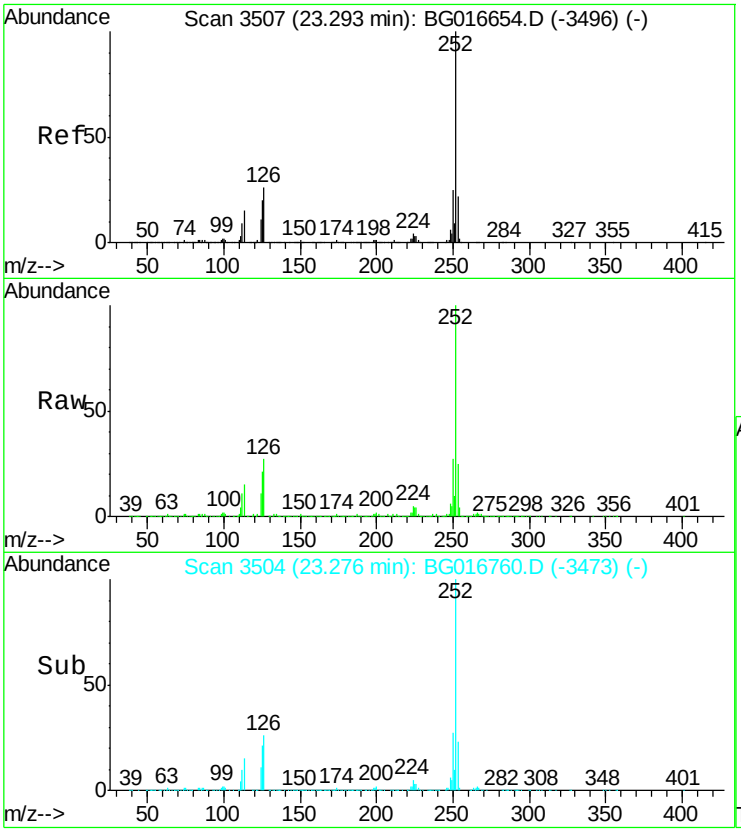


#88
Benzo(k)fluoranthene
Concen: 37.70 ng m
RT: 22.75 min Scan# 3414
Delta R.T. -0.02 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:252 Resp: 549490

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.6	26.4
125	19.5	15.5	23.3



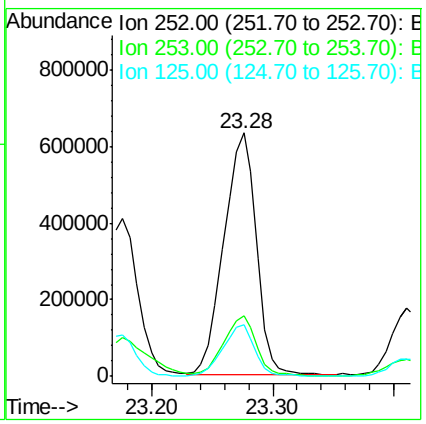


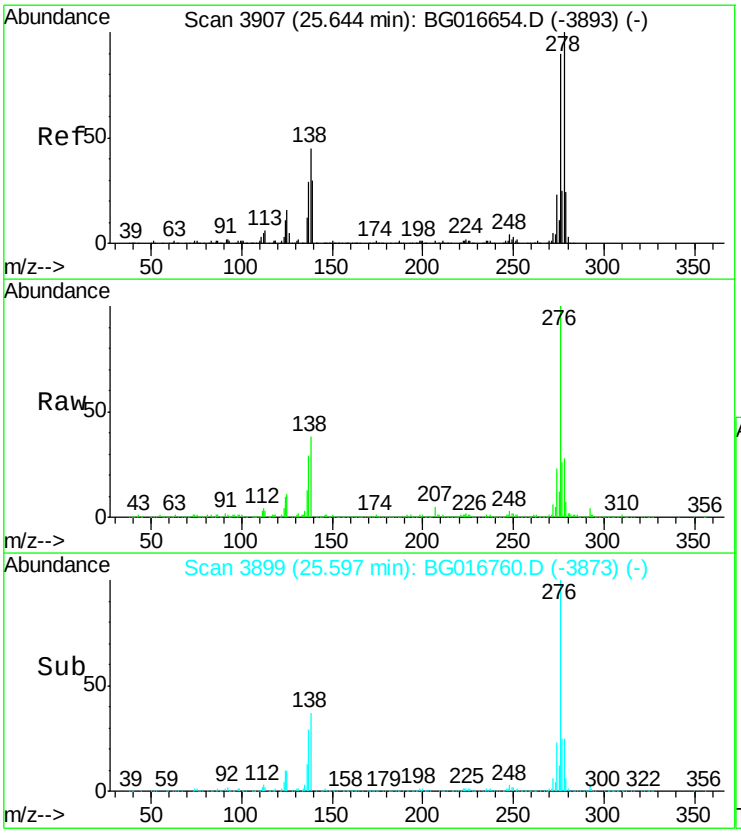
#89
Benzo(a)pyrene
Concen: 83.19 ng
RT: 23.28 min Scan# 3504
Delta R.T. -0.02 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion:252 Resp: 1170792

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.2	25.8
125	21.2	16.3	24.5

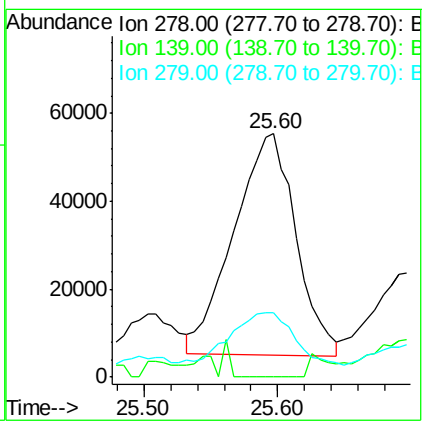


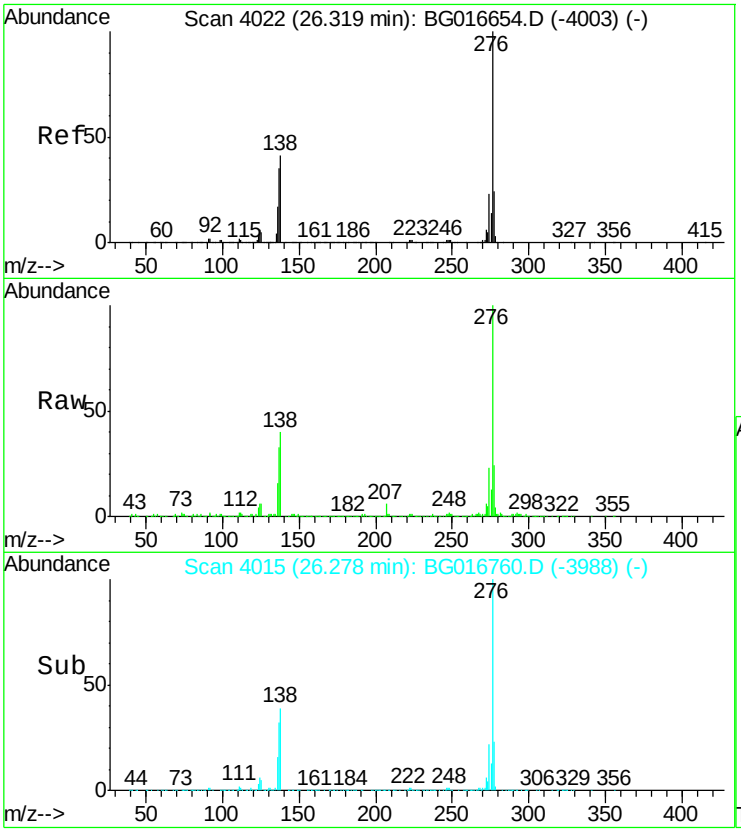


#90
Dibenzo(a,h)anthracene
Concen: 11.90 ng
RT: 25.60 min Scan# 3899
Delta R.T. -0.05 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Tgt Ion:278 Resp: 162827

Ion	Ratio	Lower	Upper
278	100		
139	0.0	24.2	36.2#
279	26.2	18.9	28.3





#91
Benzo(g,h,i)perylene
Concen: 41.95 ng
RT: 26.28 min Scan# 4015
Delta R.T. -0.04 min
Lab File: BG016760.D
Acq: 28 Apr 2015 9:12

Instrument :
BNA_G
ClientSampleId :
SB-63S

Tgt Ion:276 Resp: 584087

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.3	28.9
138	40.0	32.8	49.2