Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016772.D
Acq On : 28 Apr 2015 19:36
Operator : TP/IZ
Sample : G1991-10DL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-73SDL

Quant Time: Apr 29 01:38:04 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 29 00:55:31 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	65971	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	294311	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	163549	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	305071	20.00	ng	0.00
75) Chrysene-d12	21.16	240	260407	20.00	ng	0.00
86) Perylene-d12	23.36	264	248686	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	28882	7.10	ng	0.00
7) Phenol-d6	6.77	99	39589	6.94	ng	0.00
23) Nitrobenzene-d5	8.73	82	20576	4.42	ng	0.00
41) 2,4,6-Tribromophenol	15.73	330	7908	6.52	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	52300	5.14	ng	0.00
78) Terphenyl-d14	19.60	244	53087	4.70	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.40	128	34194	2.20	ng	97
51) Acenaphthene	14.29	154	33617	3.24	ng	98
54) Dibenzofuran	14.63	168	46027	3.14	ng	96
57) Fluorene	15.27	166	44452	3.47	ng	92
70) Phenanthrene	17.01	178	544214	31.05	ng	99
71) Anthracene	17.10	178	145578	8.35	ng	98
72) Carbazole	17.38	167	54014	3.09	ng	98
74) Fluoranthene	19.03	202	468183	25.21	ng	97
77) Pyrene	19.40	202	394587	21.57	ng	98
80) Benzo(a)anthracene	21.14	228	180473	11.43	ng	98
82) Chrysene	21.20	228	147417	9.74	ng	98
85) Indeno(1,2,3-cd)pyrene	25.59	276	65379	3.96	ng	90
87) Benzo(b)fluoranthene	22.70	252	160807	10.65	ng	97
88) Benzo(k)fluoranthene	22.73	252	52435m	3.56	ng	
89) Benzo(a)pyrene	23.26	252	123233	8.66	ng	96
91) Benzo(g,h,i)perylene	26.27	276	60937	4.33	ng	98

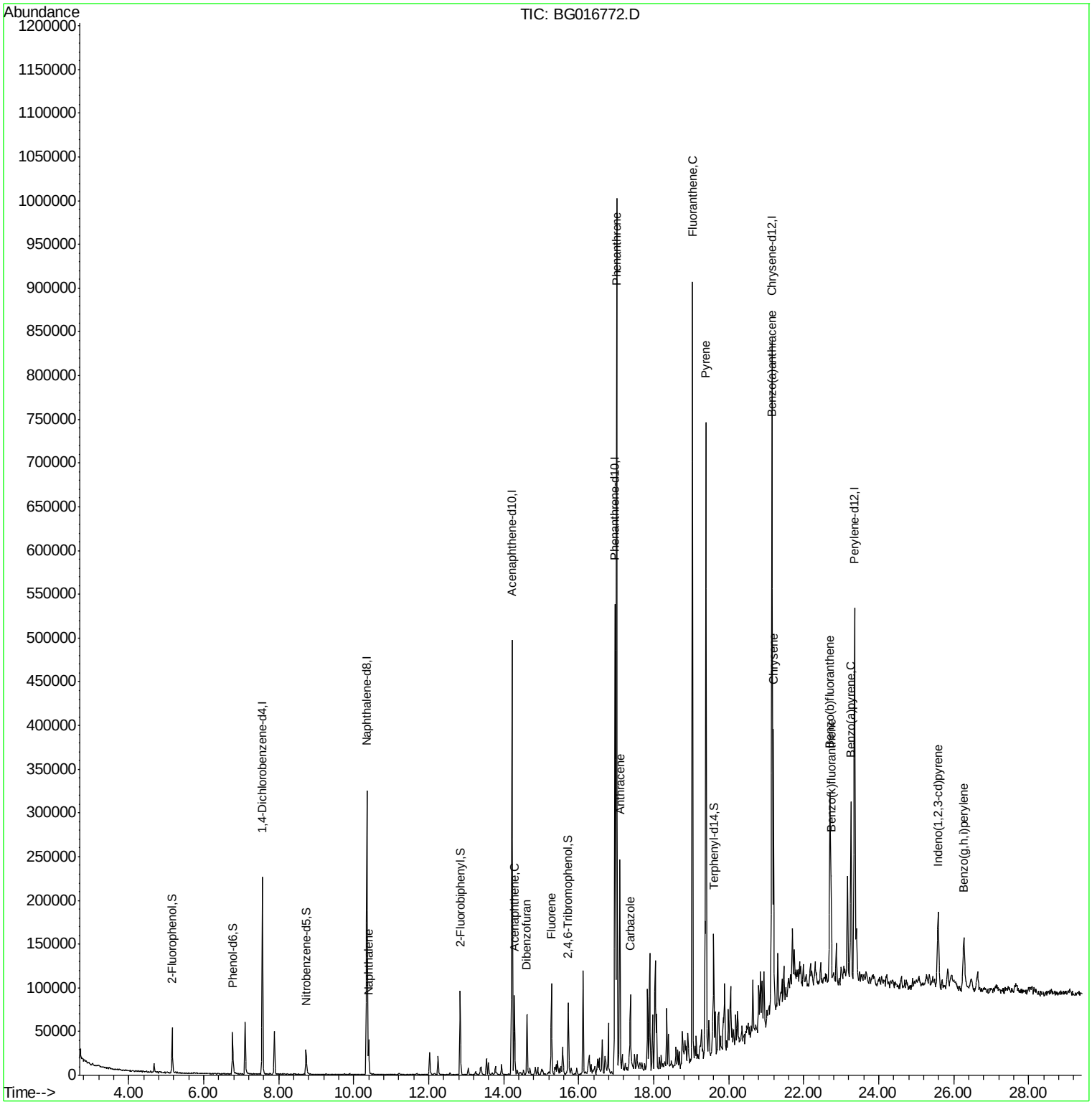
(#) = qualifier out of range (m) = manual integration (+) = signals summed

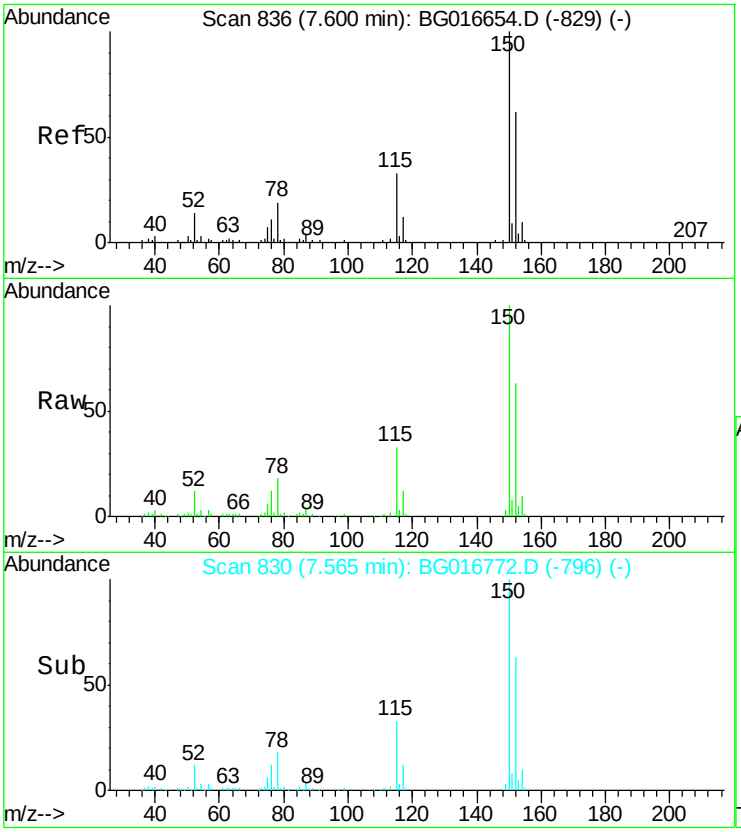
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016772.D
Acq On : 28 Apr 2015 19:36
Operator : TP/IZ
Sample : G1991-10DL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Quant Time: Apr 29 01:38:04 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 29 00:55:31 2015
Response via : Initial Calibration



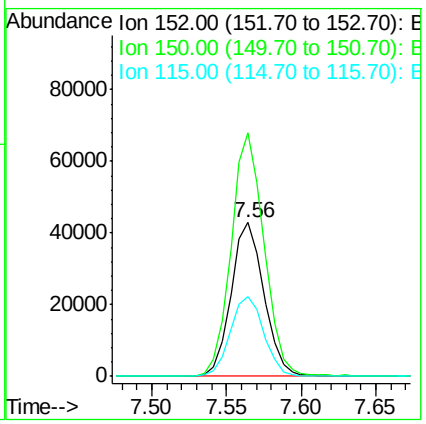


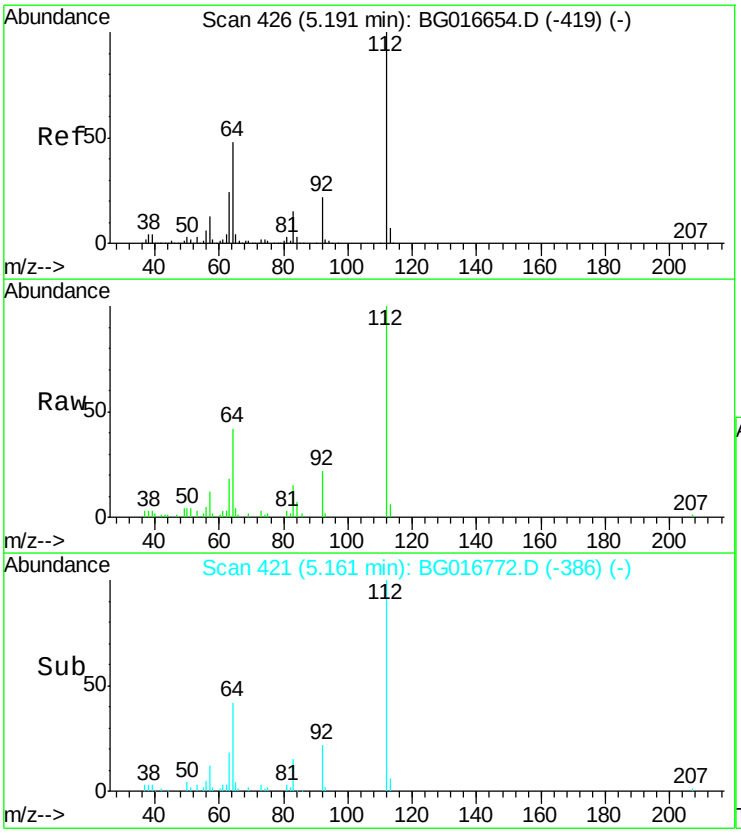
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.56 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Tgt Ion:152 Resp: 65971

Ion	Ratio	Lower	Upper
152	100		
150	158.7	129.6	194.4
115	51.7	43.0	64.6

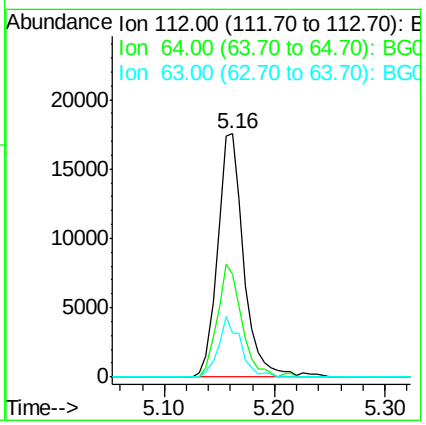


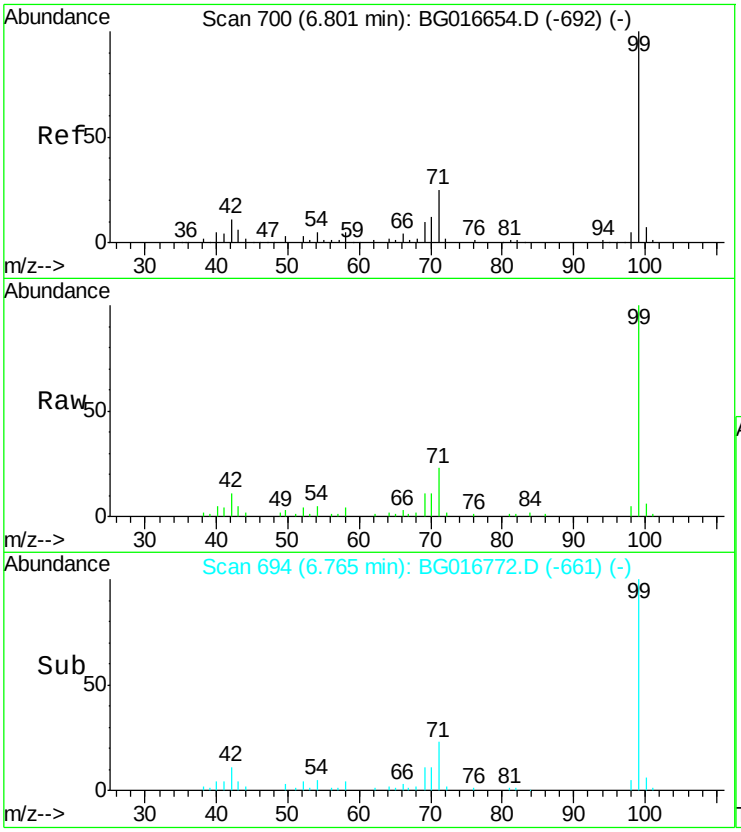


#5
2-Fluorophenol
Concen: 7.10 ng
RT: 5.16 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Tgt Ion:112 Resp: 28882

Ion	Ratio	Lower	Upper
112	100		
64	42.5	38.3	57.5
63	18.2	18.9	28.3#



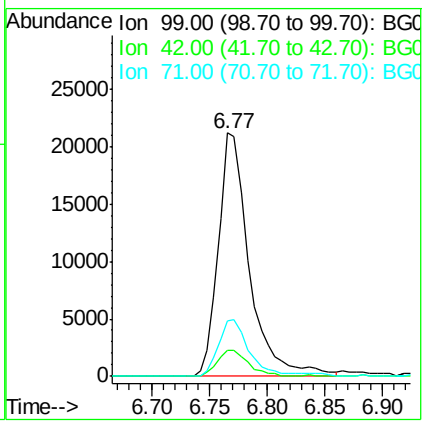


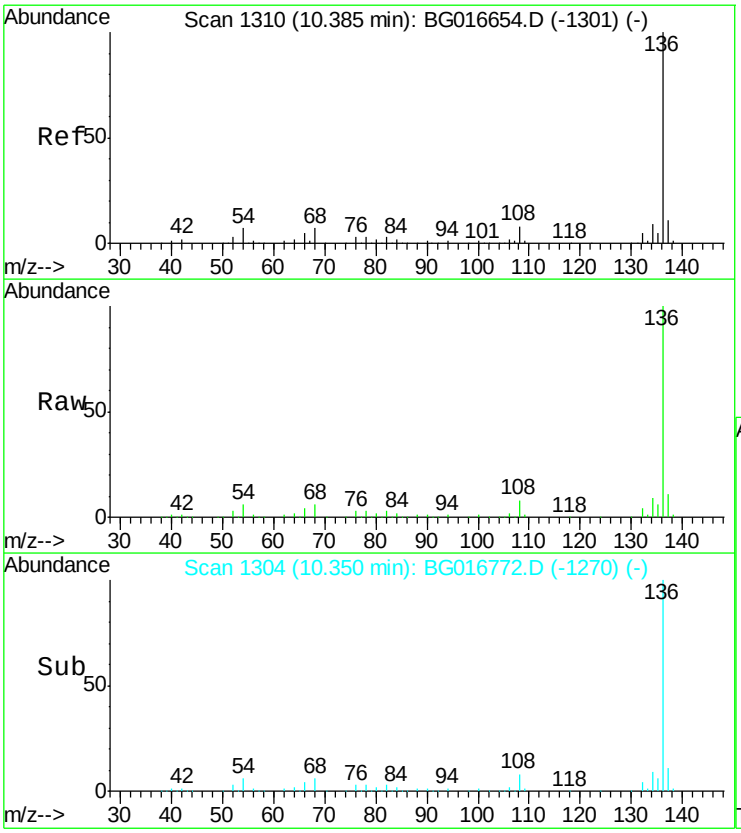
#7
Phenol-d6
Concen: 6.94 ng
RT: 6.77 min Scan# 694
Delta R.T. -0.01 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Tgt Ion: 99 Resp: 39589

Ion	Ratio	Lower	Upper
99	100		
42	10.6	8.8	13.2
71	22.9	19.9	29.9

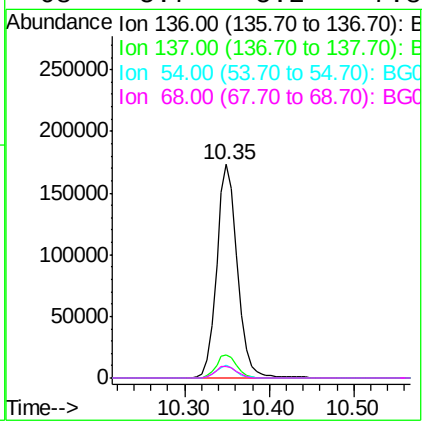


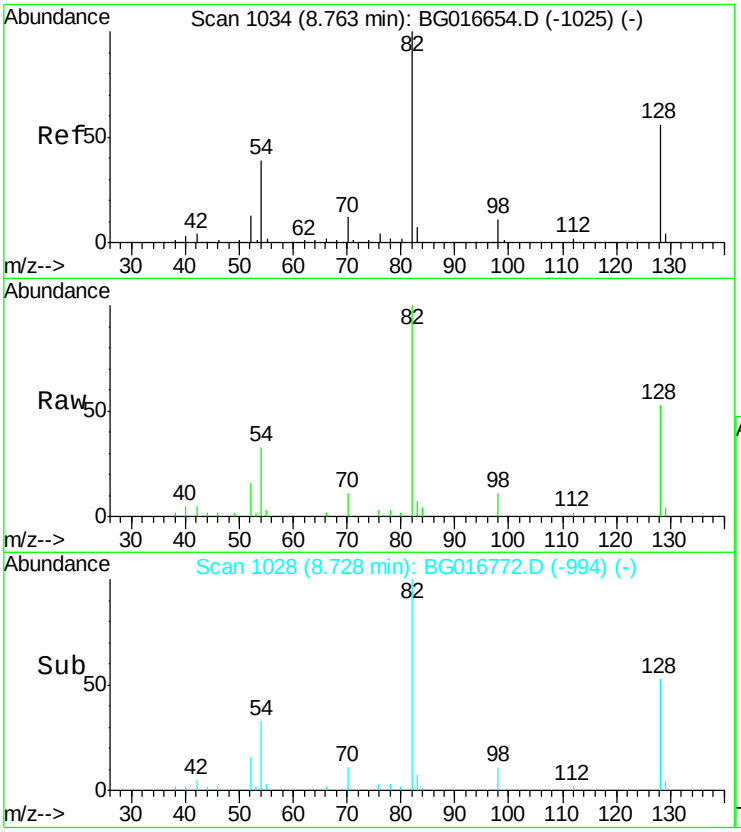


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.35 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Tgt Ion:136 Resp: 294311

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	5.8	5.4	8.2
68	5.7	5.2	7.8



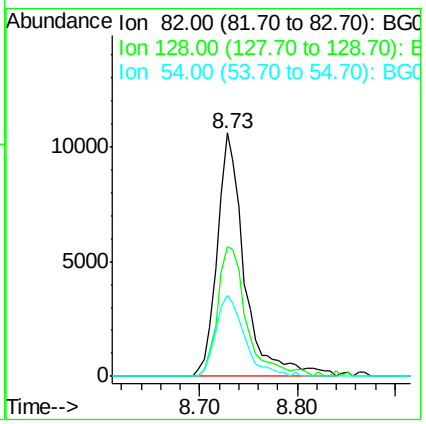


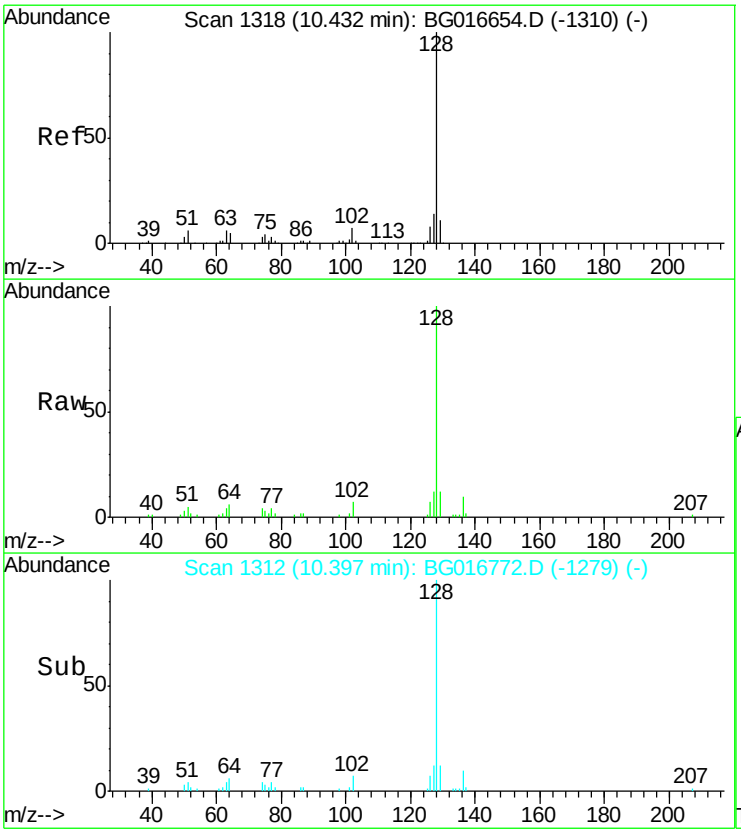
#23
Nitrobenzene-d5
Concen: 4.42 ng
RT: 8.73 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Tgt Ion: 82 Resp: 20576

Ion	Ratio	Lower	Upper
82	100		
128	53.5	44.7	67.1
54	33.3	30.9	46.3

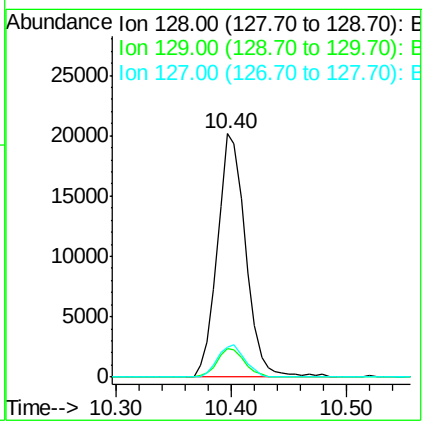


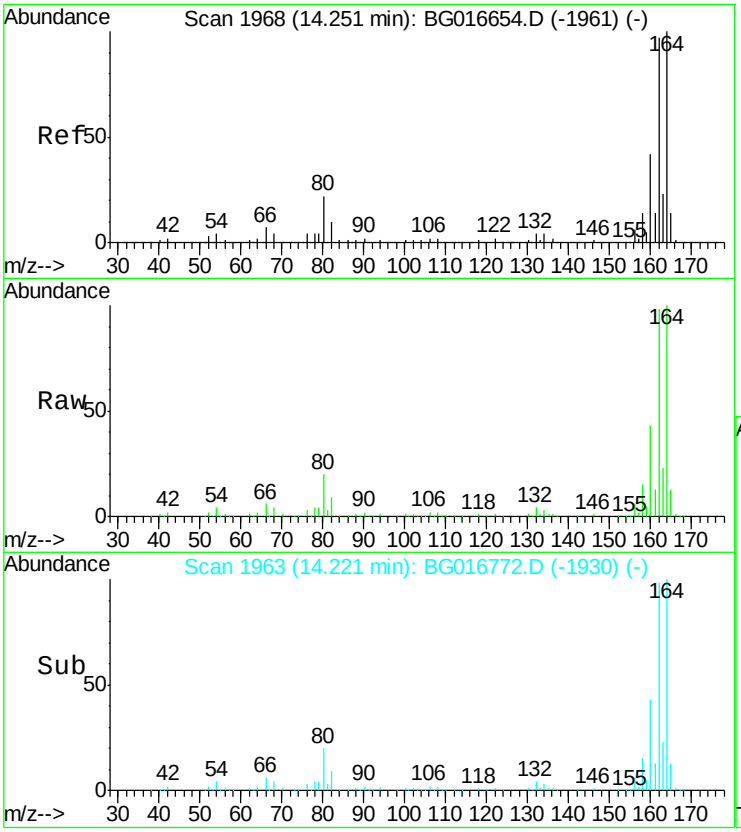


#31
Naphthalene
Concen: 2.20 ng
RT: 10.40 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Tgt Ion:128 Resp: 34194

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	12.4	11.1	16.7



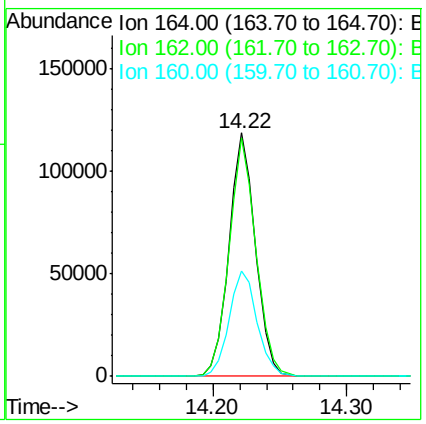


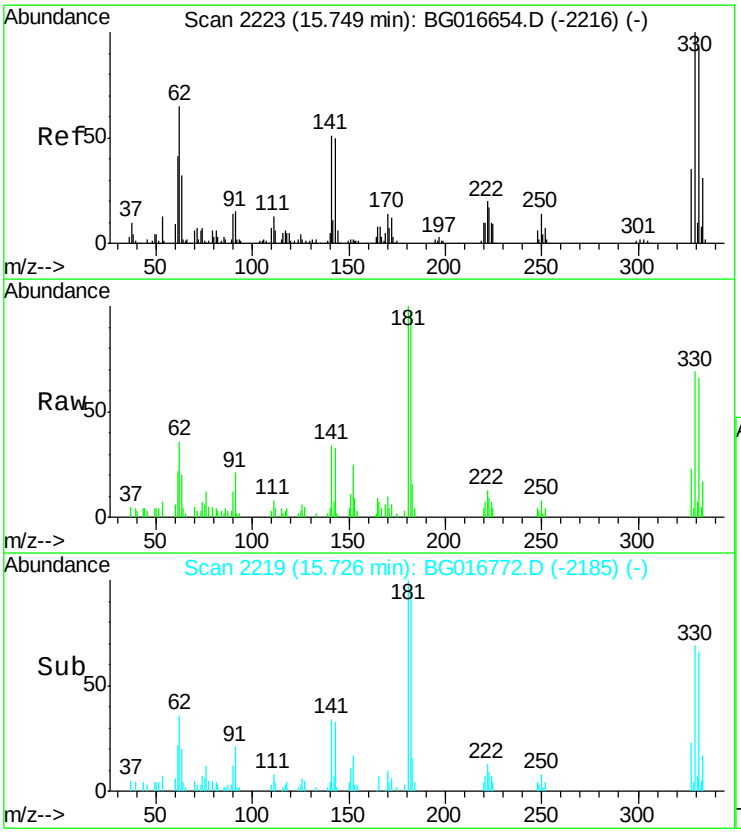
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.22 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Tgt Ion:164 Resp: 163549

Ion	Ratio	Lower	Upper
164	100		
162	97.9	77.3	115.9
160	43.1	33.7	50.5

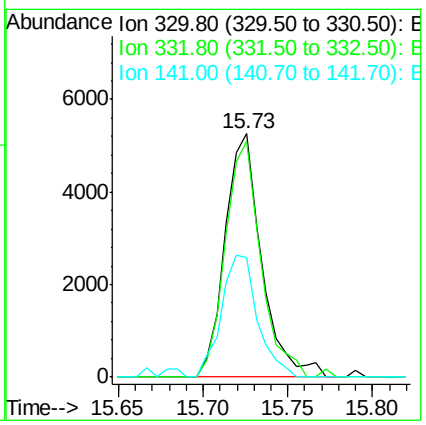


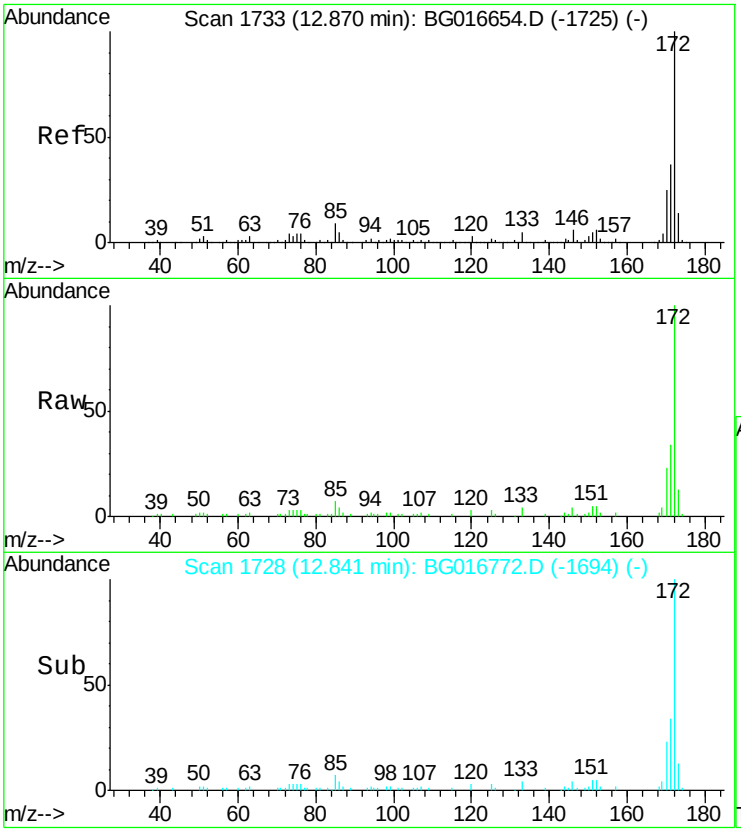


#41
2,4,6-Tribromophenol
Concen: 6.52 ng
RT: 15.73 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Tgt Ion:330 Resp: 7908

Ion	Ratio	Lower	Upper
330	100		
332	93.7	76.2	114.4
141	49.5	43.0	64.6



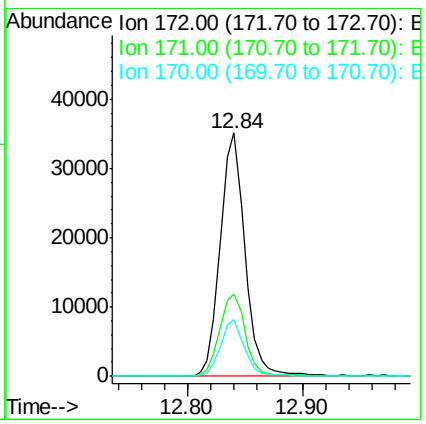


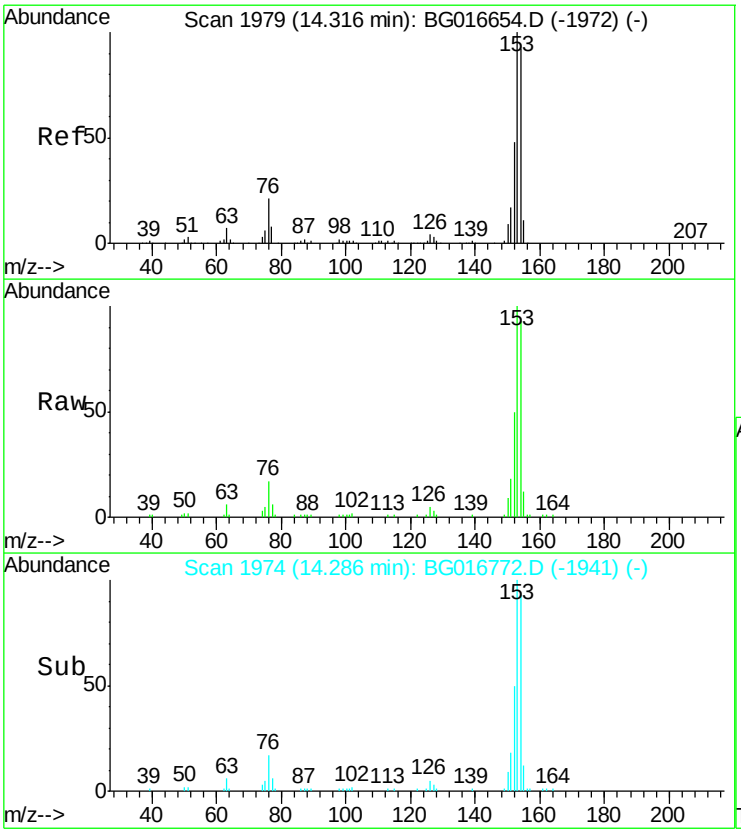
#44
2-Fluorobiphenyl
Concen: 5.14 ng
RT: 12.84 min Scan# 1728
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Tgt Ion:172 Resp: 52300

Ion	Ratio	Lower	Upper
172	100		
171	33.7	29.9	44.9
170	23.1	19.8	29.8

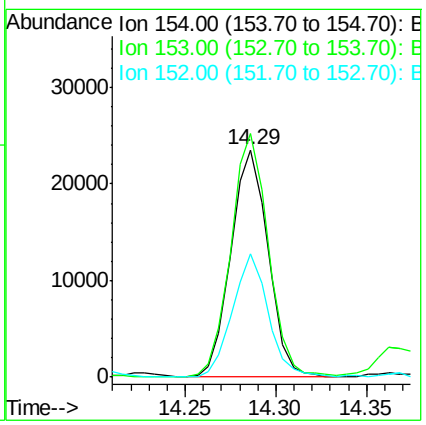


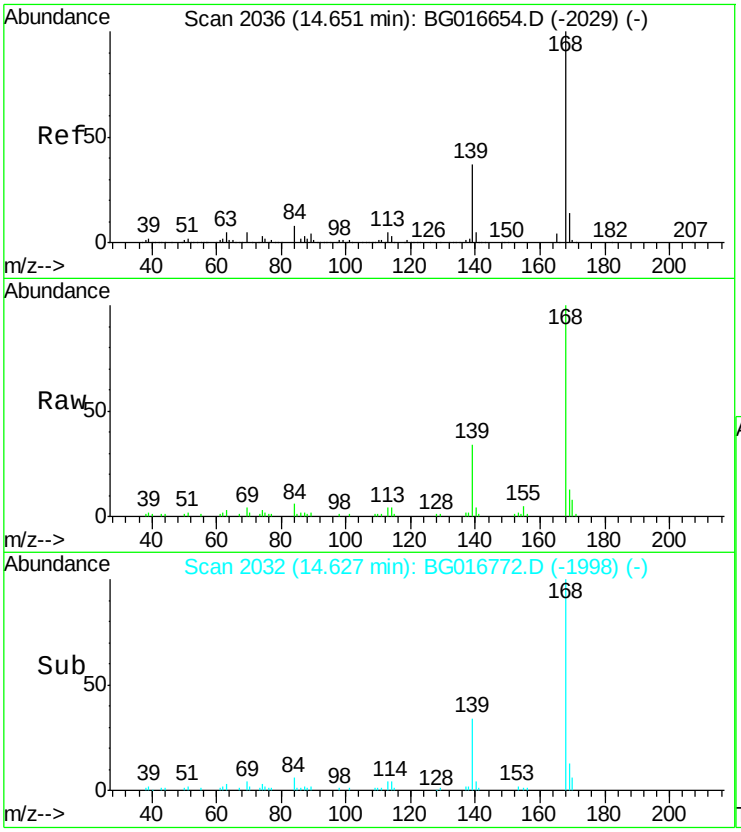


#51
Acenaphthene
Concen: 3.24 ng
RT: 14.29 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Tgt Ion:154 Resp: 33617

Ion	Ratio	Lower	Upper
154	100		
153	107.0	87.0	130.6
152	53.9	41.6	62.4



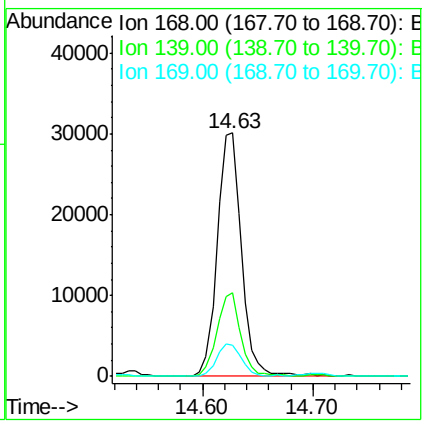


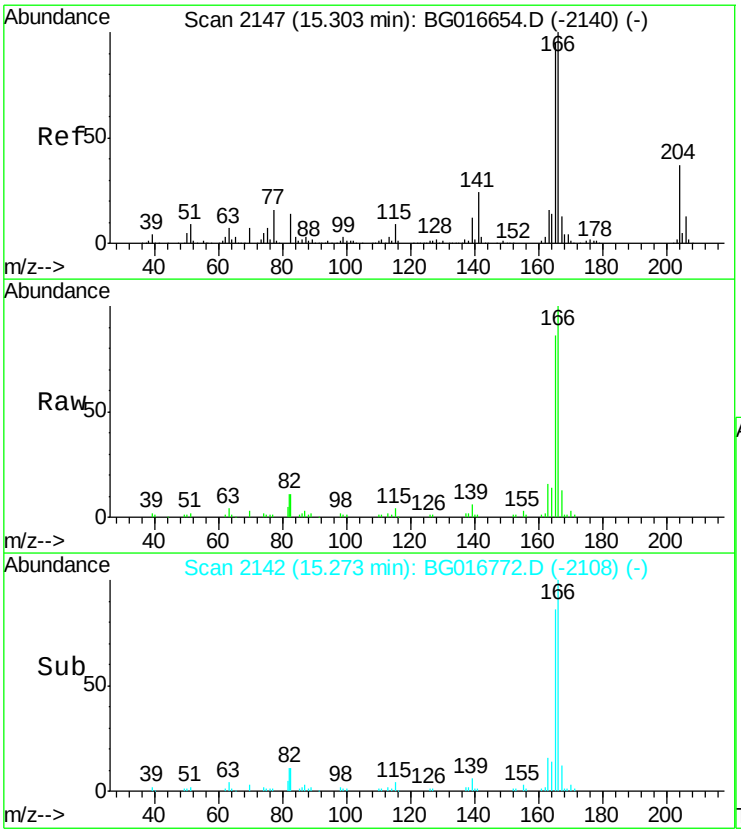
#54
Dibenzofuran
Concen: 3.14 ng
RT: 14.63 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Tgt Ion:168 Resp: 46027

Ion	Ratio	Lower	Upper
168	100		
139	34.5	29.8	44.8
169	12.8	11.0	16.4

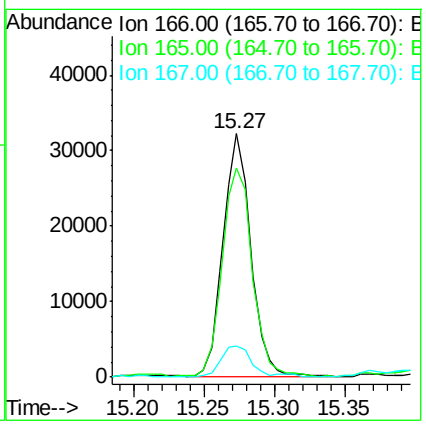


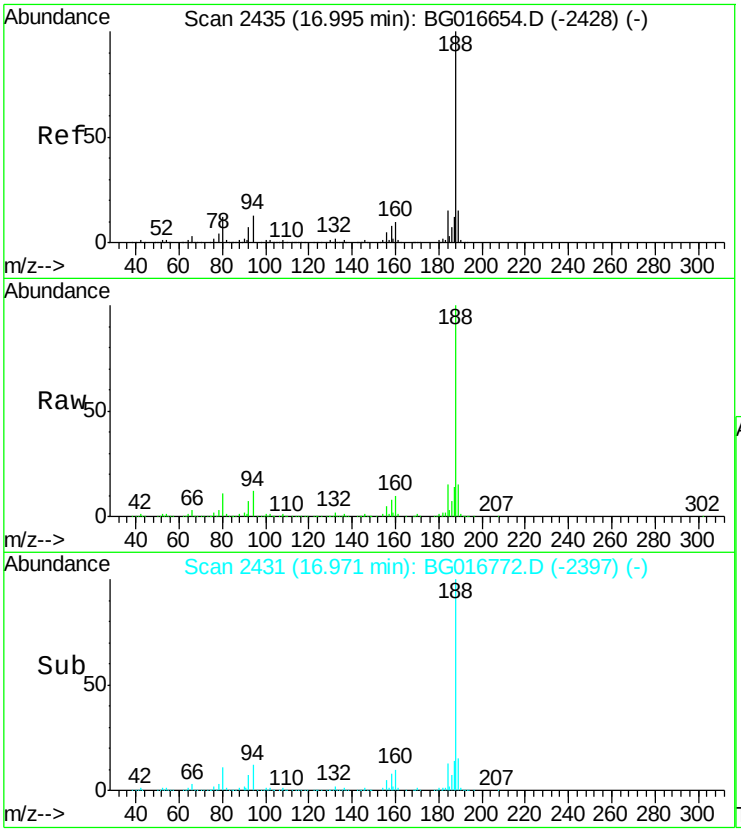


#57
Fluorene
Concen: 3.47 ng
RT: 15.27 min Scan# 2142
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Tgt Ion:166 Resp: 44452

Ion	Ratio	Lower	Upper
166	100		
165	85.8	75.6	113.4
167	12.8	10.7	16.1



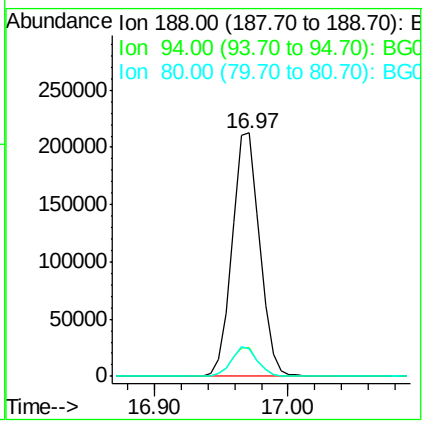


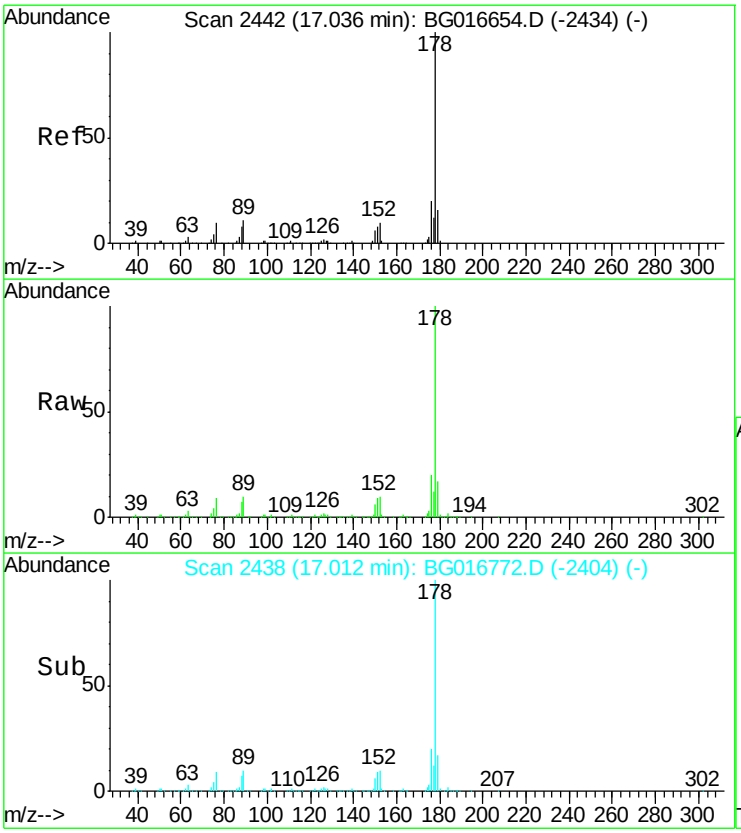
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Tgt Ion:188 Resp: 305071

Ion	Ratio	Lower	Upper
188	100		
94	11.8	10.7	16.1
80	11.1	9.9	14.9

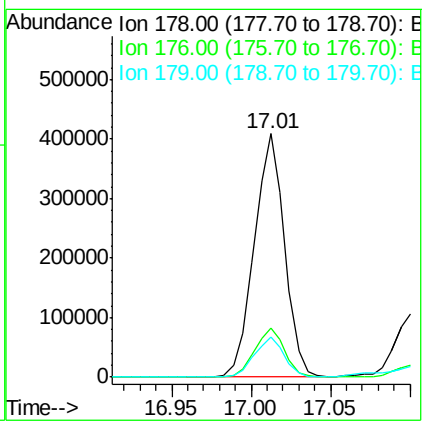


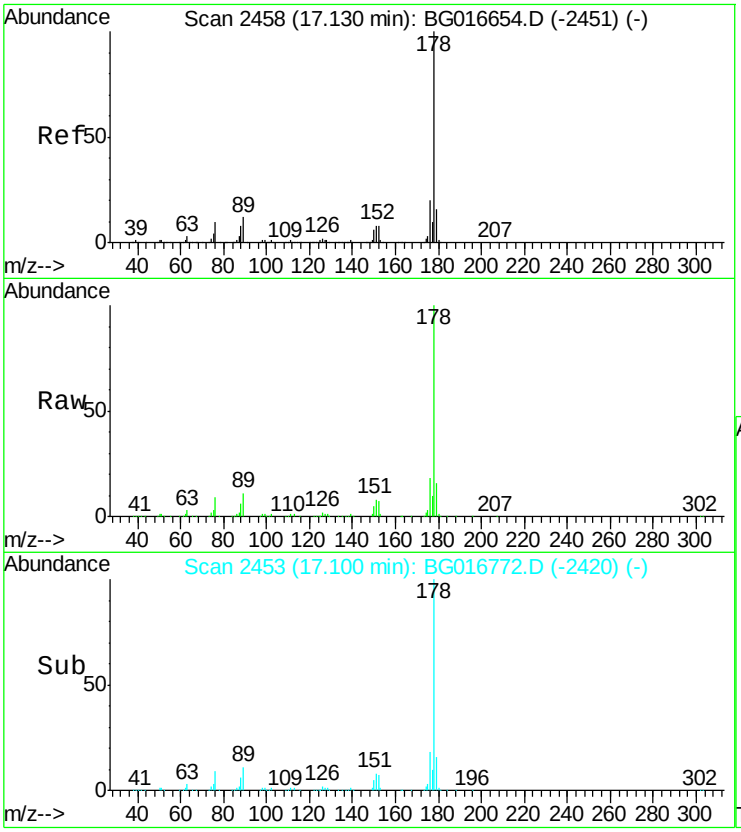


#70
Phenanthrene
Concen: 31.05 ng
RT: 17.01 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Tgt Ion:178 Resp: 544214

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.6
179	16.7	12.8	19.2



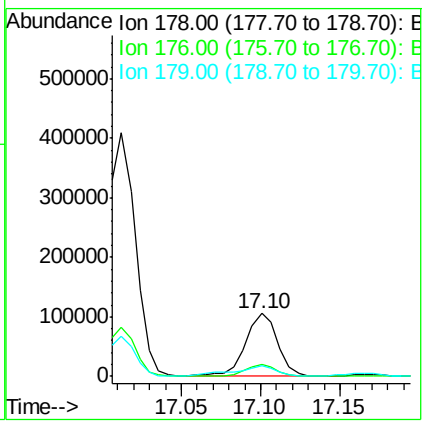


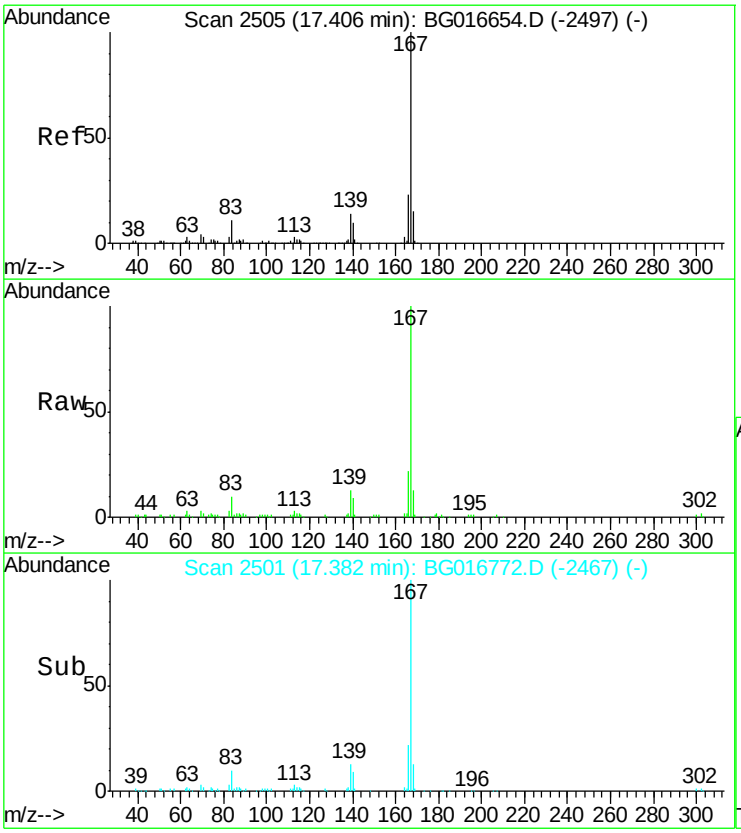
#71
Anthracene
Concen: 8.35 ng
RT: 17.10 min Scan# 2453
Delta R.T. -0.01 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Tgt Ion:178 Resp: 145578

Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.0	24.0
179	16.3	12.9	19.3

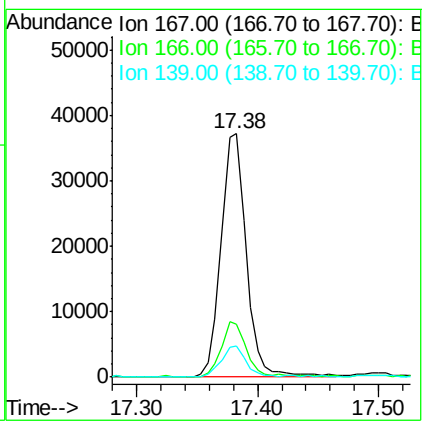


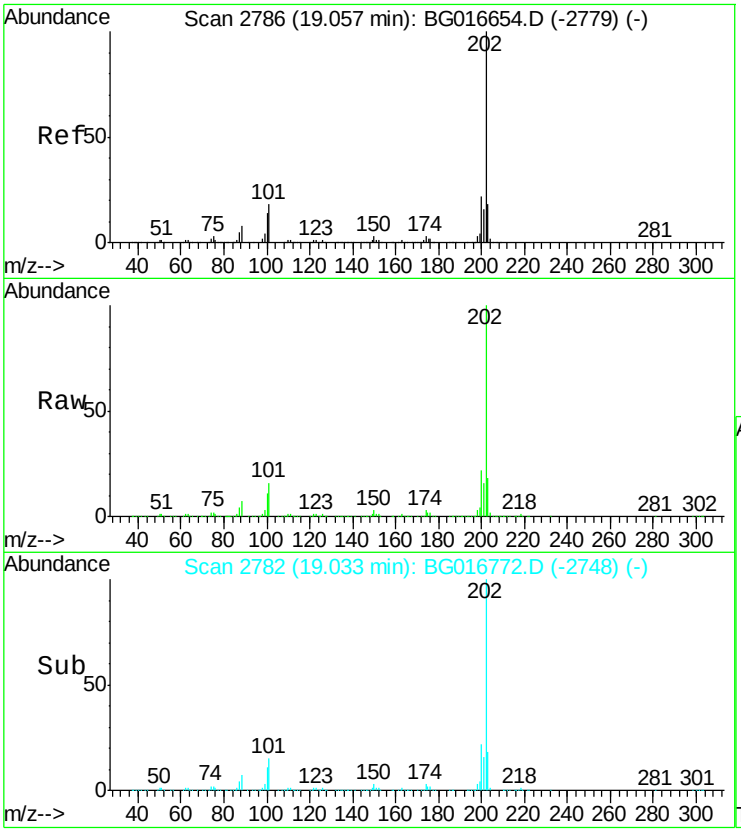


#72
Carbazole
Concen: 3.09 ng
RT: 17.38 min Scan# 2501
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Tgt Ion:167 Resp: 54014

Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.4	27.6
139	12.7	11.1	16.7



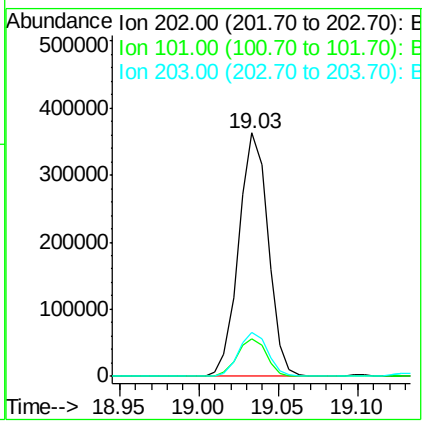


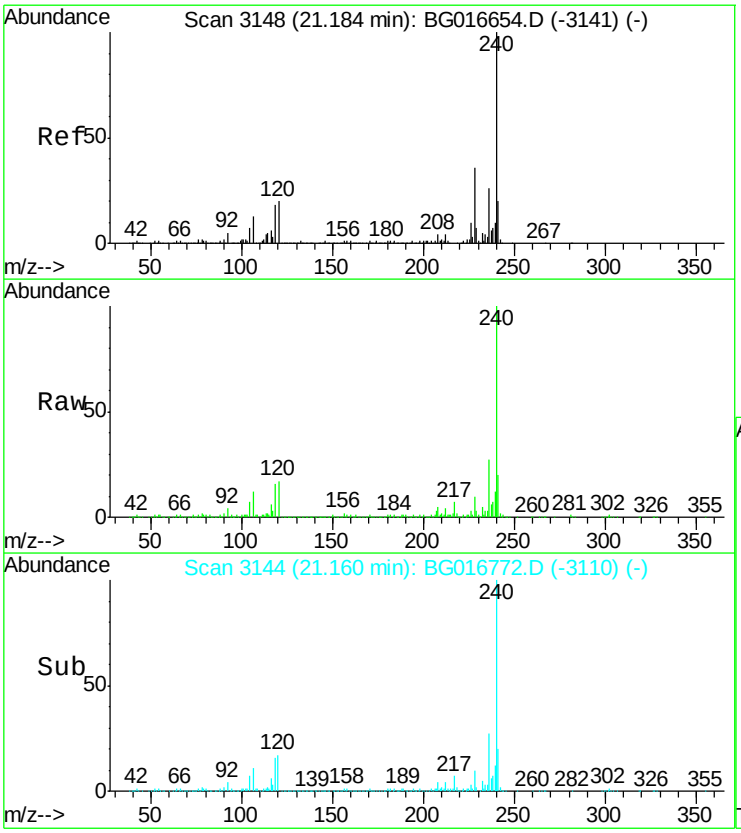
#74
Fluoranthene
Concen: 25.21 ng
RT: 19.03 min Scan# 2782
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Tgt Ion:202 Resp: 468183

Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	38.1
203	18.0	0.0	38.4

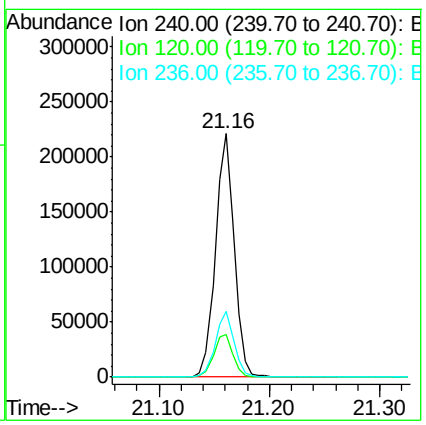


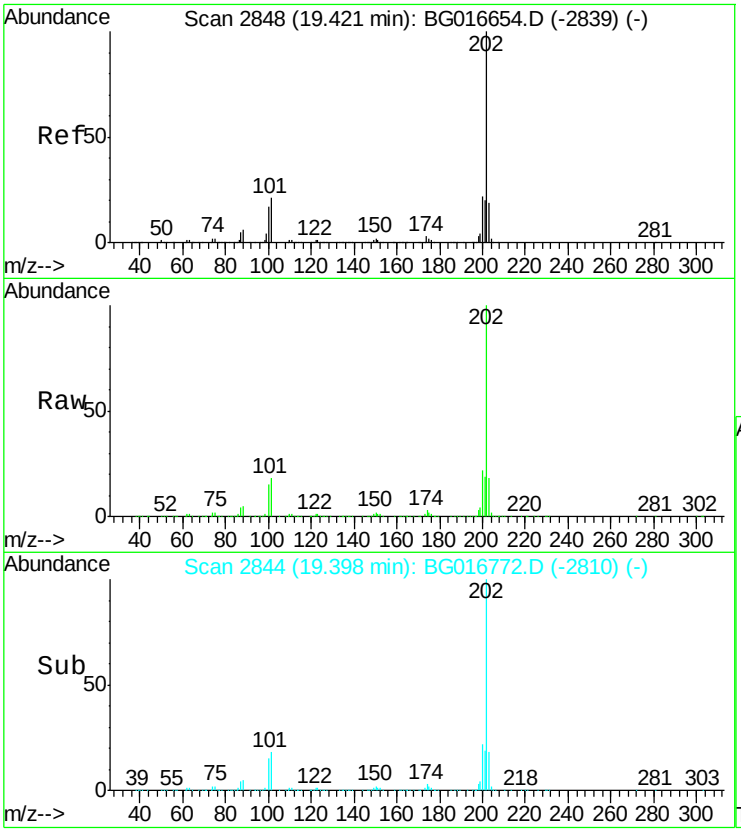


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.16 min Scan# 3144
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Tgt Ion:240 Resp: 260407

Ion	Ratio	Lower	Upper
240	100		
120	17.4	16.3	24.5
236	26.9	21.1	31.7



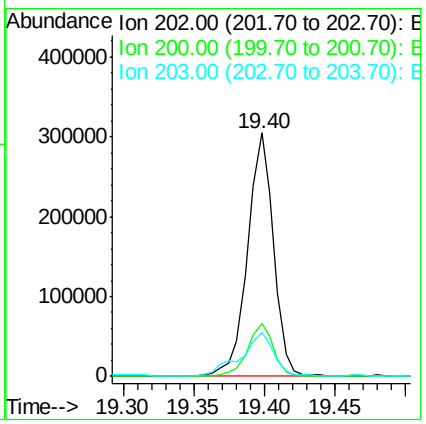


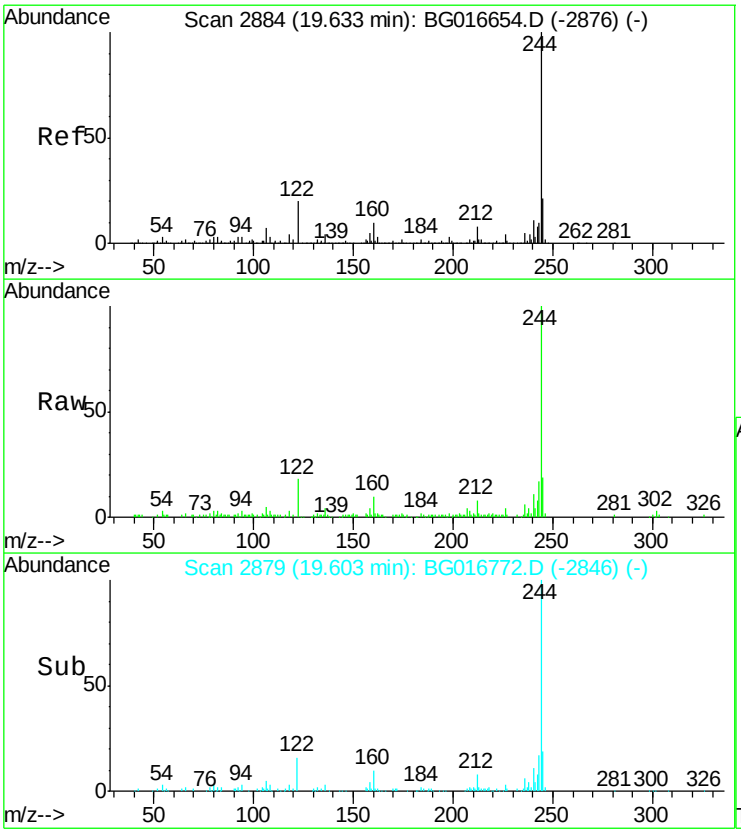
#77
Pyrene
Concen: 21.57 ng
RT: 19.40 min Scan# 2844
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Tgt Ion:202 Resp: 394587

Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.0	27.0
203	18.1	14.9	22.3

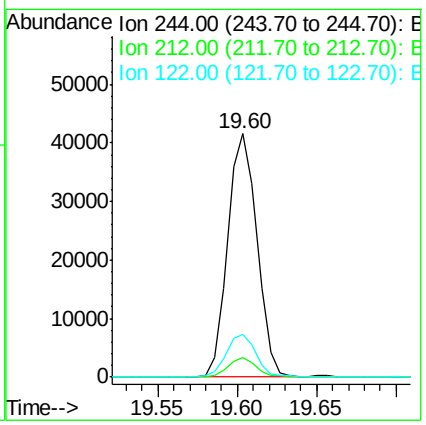


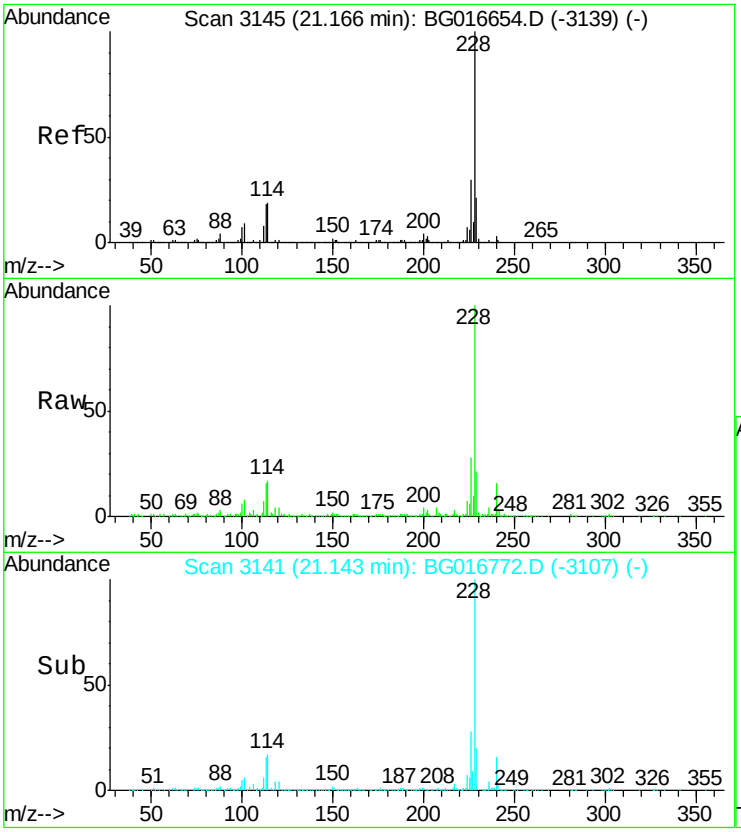


#78
Terphenyl-d14
Concen: 4.70 ng
RT: 19.60 min Scan# 2879
Delta R.T. -0.01 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Tgt Ion:244 Resp: 53087

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.4	9.6
122	17.6	15.9	23.9



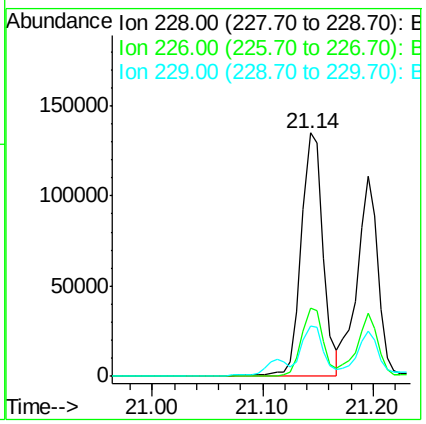


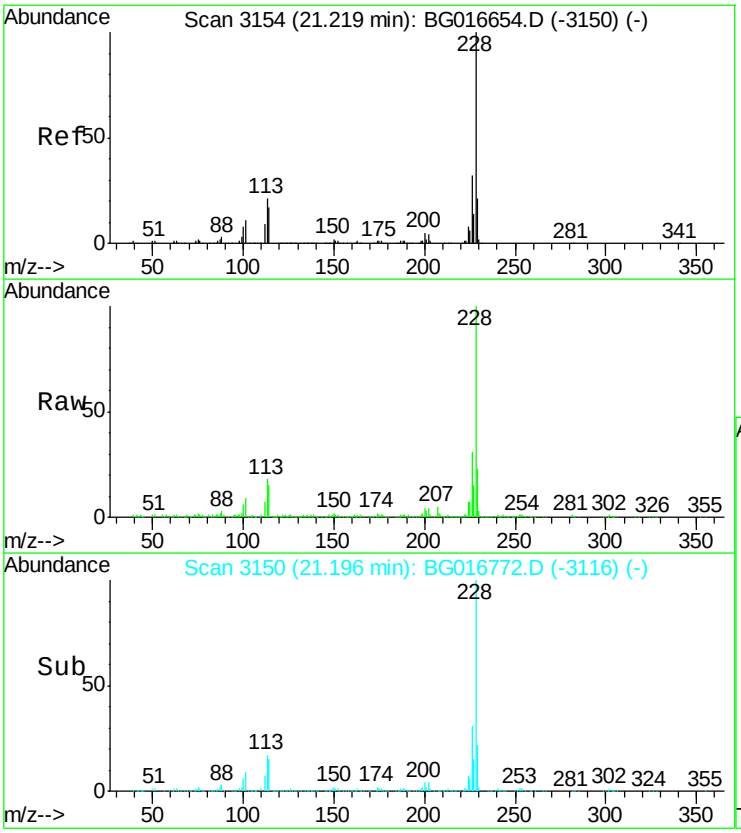
#80
Benzo(a)anthracene
Concen: 11.43 ng
RT: 21.14 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Tgt Ion:228 Resp: 180473

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.8	35.6
229	20.7	17.0	25.4

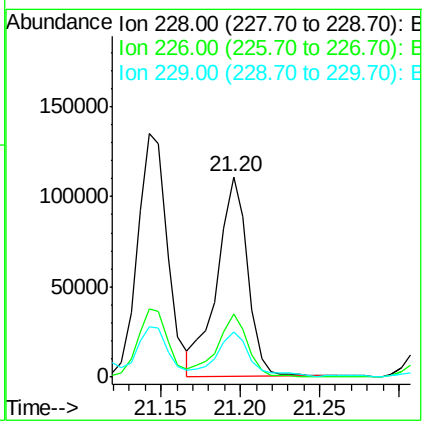


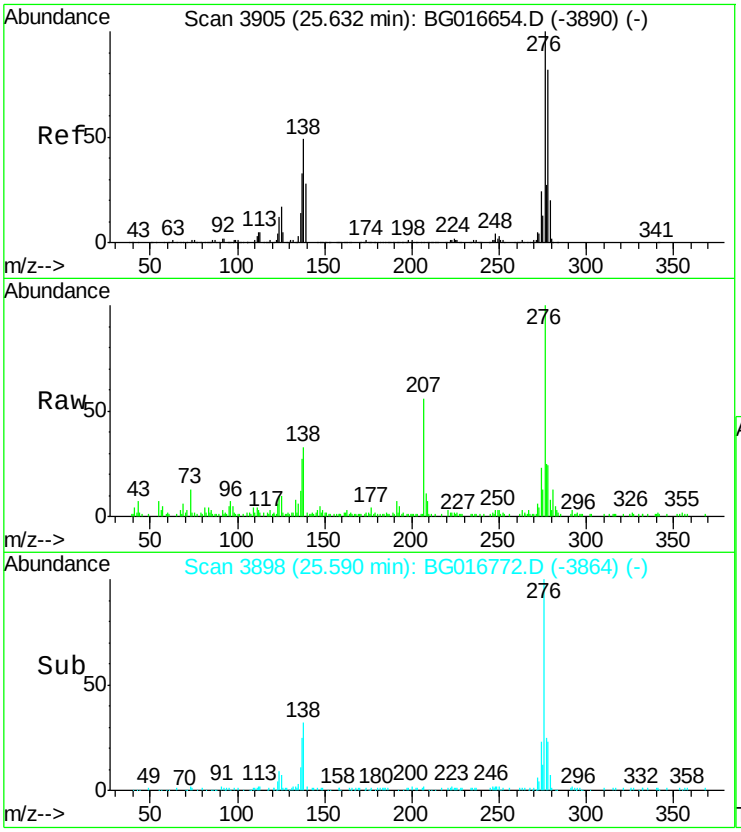


#82
Chrysene
Concen: 9.74 ng
RT: 21.20 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Tgt Ion:228 Resp: 147417

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.4	38.0
229	22.8	16.5	24.7



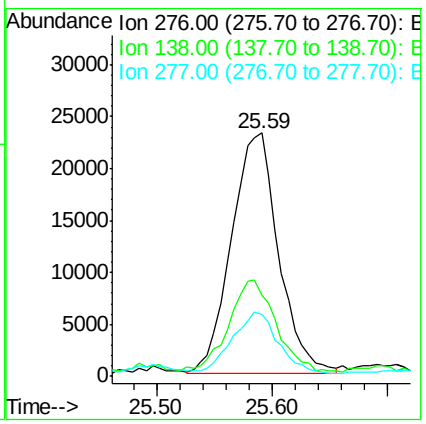


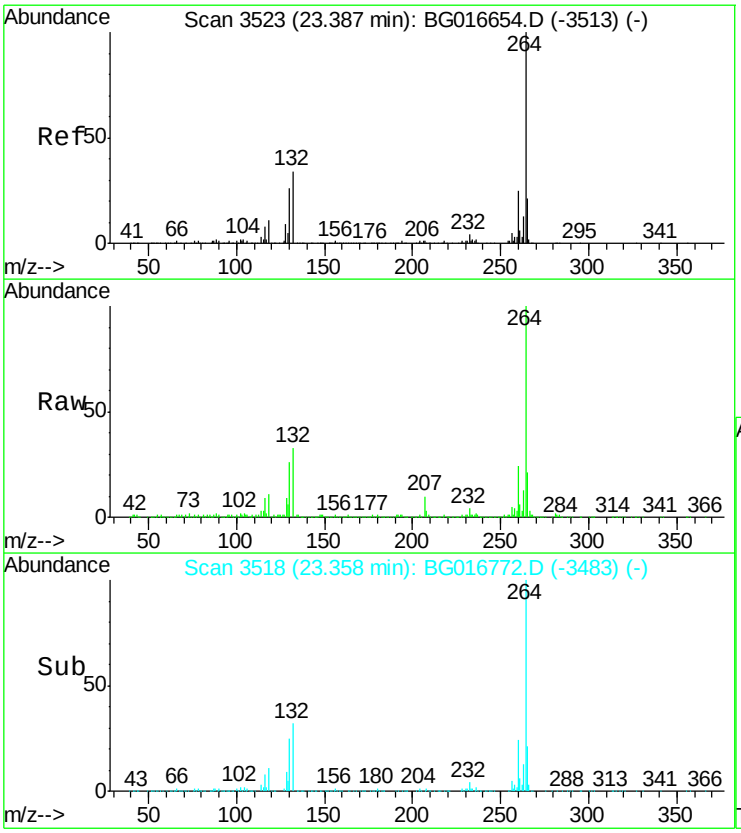
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.96 ng
RT: 25.59 min Scan# 3898
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Tgt Ion:276 Resp: 65379

Ion	Ratio	Lower	Upper
276	100		
138	38.6	38.2	57.2
277	24.9	21.4	32.2

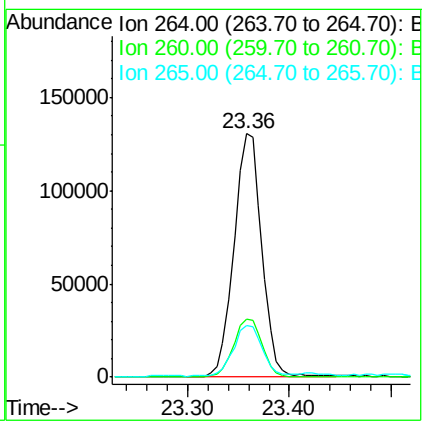


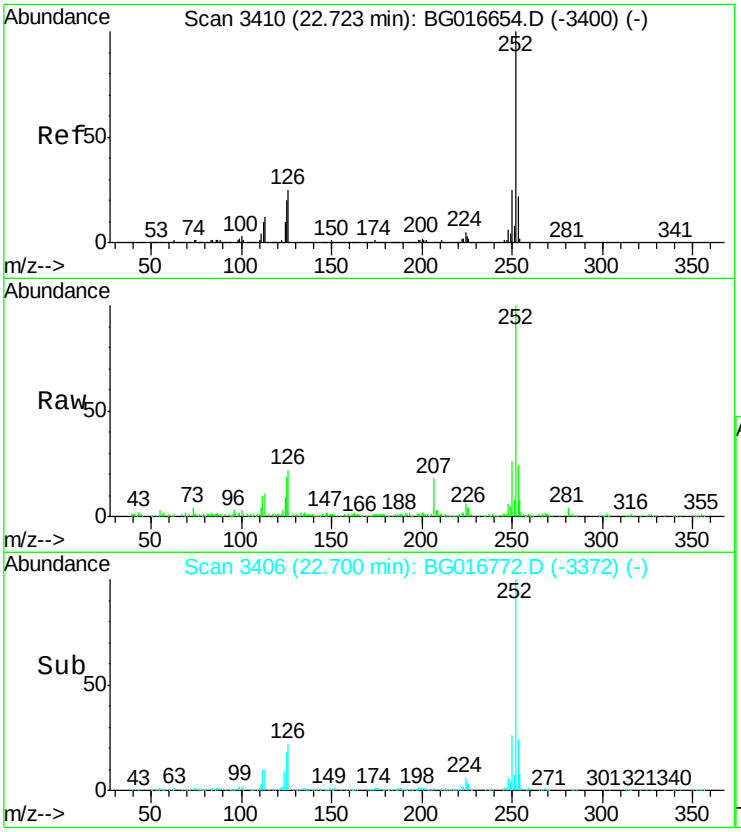


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.36 min Scan# 3518
Delta R.T. 0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Tgt Ion:264 Resp: 248686

Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.0	30.0
265	21.2	16.8	25.2



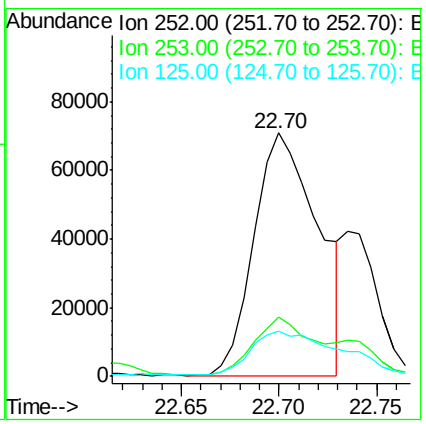


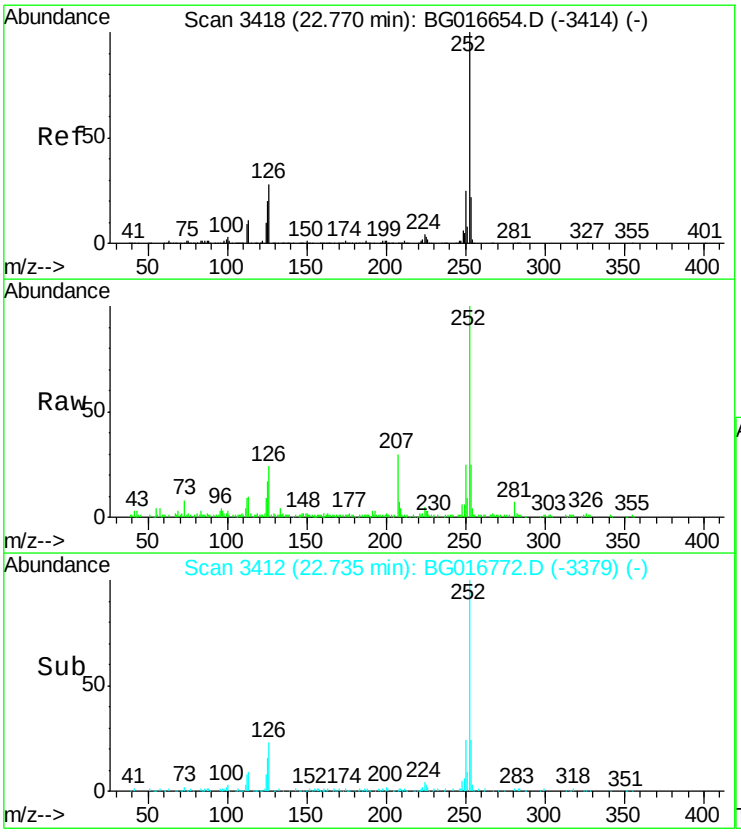
#87
Benzo(b)fluoranthene
Concen: 10.65 ng
RT: 22.70 min Scan# 3406
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Tgt Ion:252 Resp: 160807

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	18.7	15.8	23.8

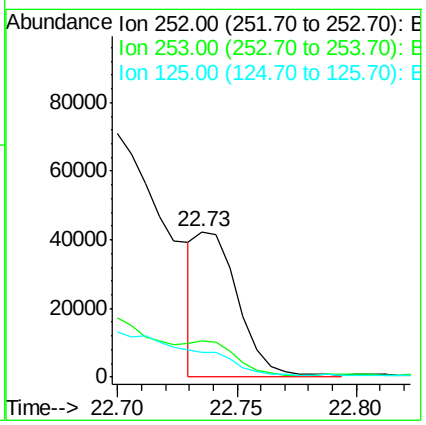


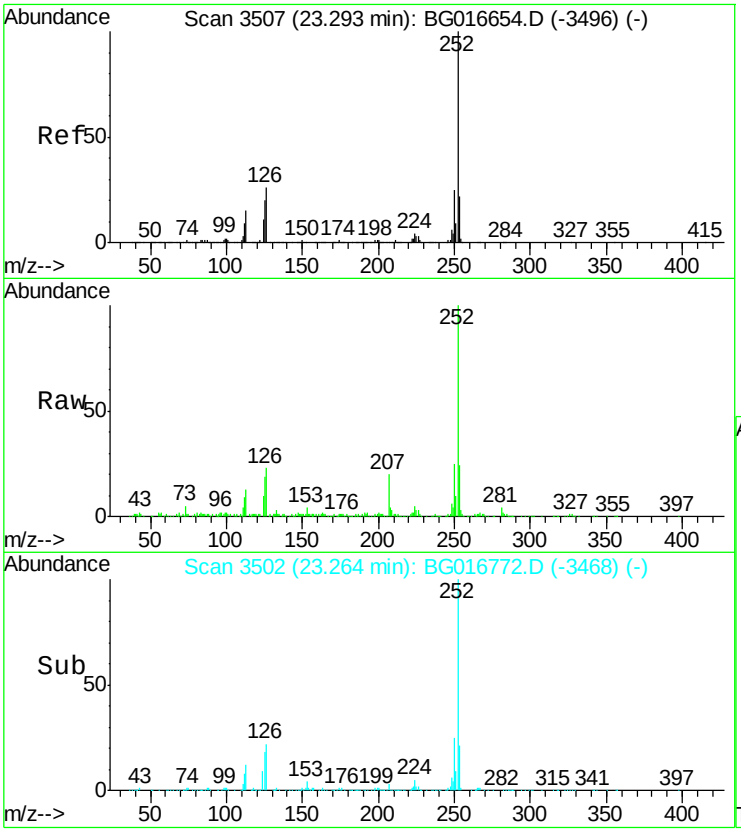


#88
Benzo(k)fluoranthene
Concen: 3.56 ng m
RT: 22.73 min Scan# 3412
Delta R.T. -0.01 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Tgt Ion:252 Resp: 52435

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.6	26.4
125	17.5	15.5	23.3



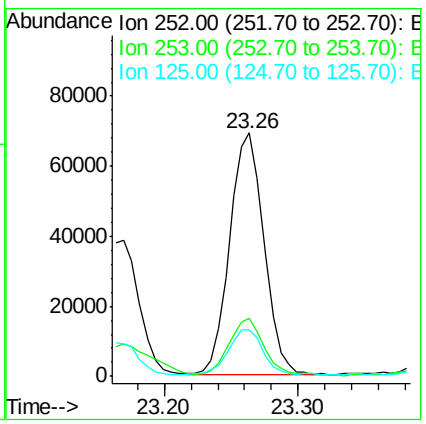


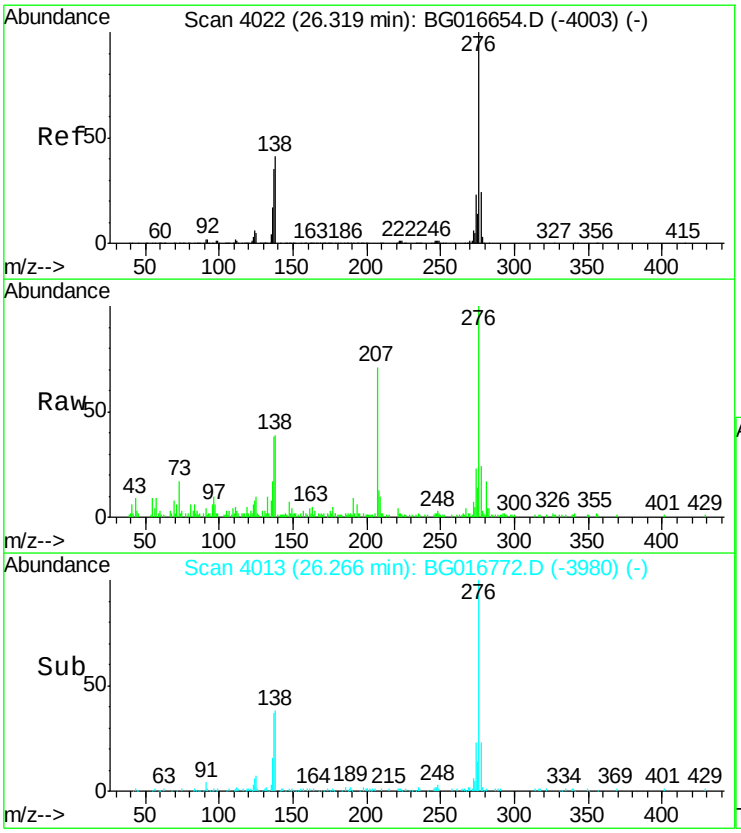
#89
Benzo(a)pyrene
Concen: 8.66 ng
RT: 23.26 min Scan# 3502
Delta R.T. -0.00 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Instrument :
BNA_G
ClientSampleId :
SB-73SDL

Tgt Ion:252 Resp: 123233

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	19.0	16.3	24.5





#91
Benzo(g,h,i)perylene
Concen: 4.33 ng
RT: 26.27 min Scan# 4013
Delta R.T. -0.01 min
Lab File: BG016772.D
Acq: 28 Apr 2015 19:36

Tgt Ion:276 Resp: 60937

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.3	28.9
138	38.8	32.8	49.2