Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
Data File : BG016769.D
Acq On : 28 Apr 2015 17:51
Operator : TP/IZ
Sample : G1991-12 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-74S

Quant Time: Apr 29 01:29:59 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	67455	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	288664	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	163586	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	297706	20.00	ng	0.00
75) Chrysene-d12	21.16	240	258579	20.00	ng	0.00
86) Perylene-d12	23.36	264	253904	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	90473	21.76	ng	0.00
7) Phenol-d6	6.77	99	119345	20.47	ng	0.00
23) Nitrobenzene-d5	8.73	82	60324	13.20	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	24684	20.34	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	145208	14.26	ng	0.00
78) Terphenyl-d14	19.60	244	143215	12.76	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.01	178	187368	10.96	ng	98
71) Anthracene	17.11	178	41173	2.42	ng	97
74) Fluoranthene	19.03	202	283176	15.63	ng	96
77) Pyrene	19.40	202	275385	15.16	ng	99
80) Benzo(a)anthracene	21.14	228	124756	7.96	ng	98
82) Chrysene	21.20	228	118294	7.87	ng	97
85) Indeno(1,2,3-cd)pyrene	25.58	276	66248	4.04	ng	91
87) Benzo(b)fluoranthene	22.70	252	145016m	9.40	ng	
88) Benzo(k)fluoranthene	22.74	252	41616m	2.77	ng	
89) Benzo(a)pyrene	23.26	252	112963	7.77	ng	97
91) Benzo(g,h,i)perylene	26.27	276	70600	4.91	ng	96

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042815\
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Acq On : 28 Apr 2015 17:51
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SB-74S

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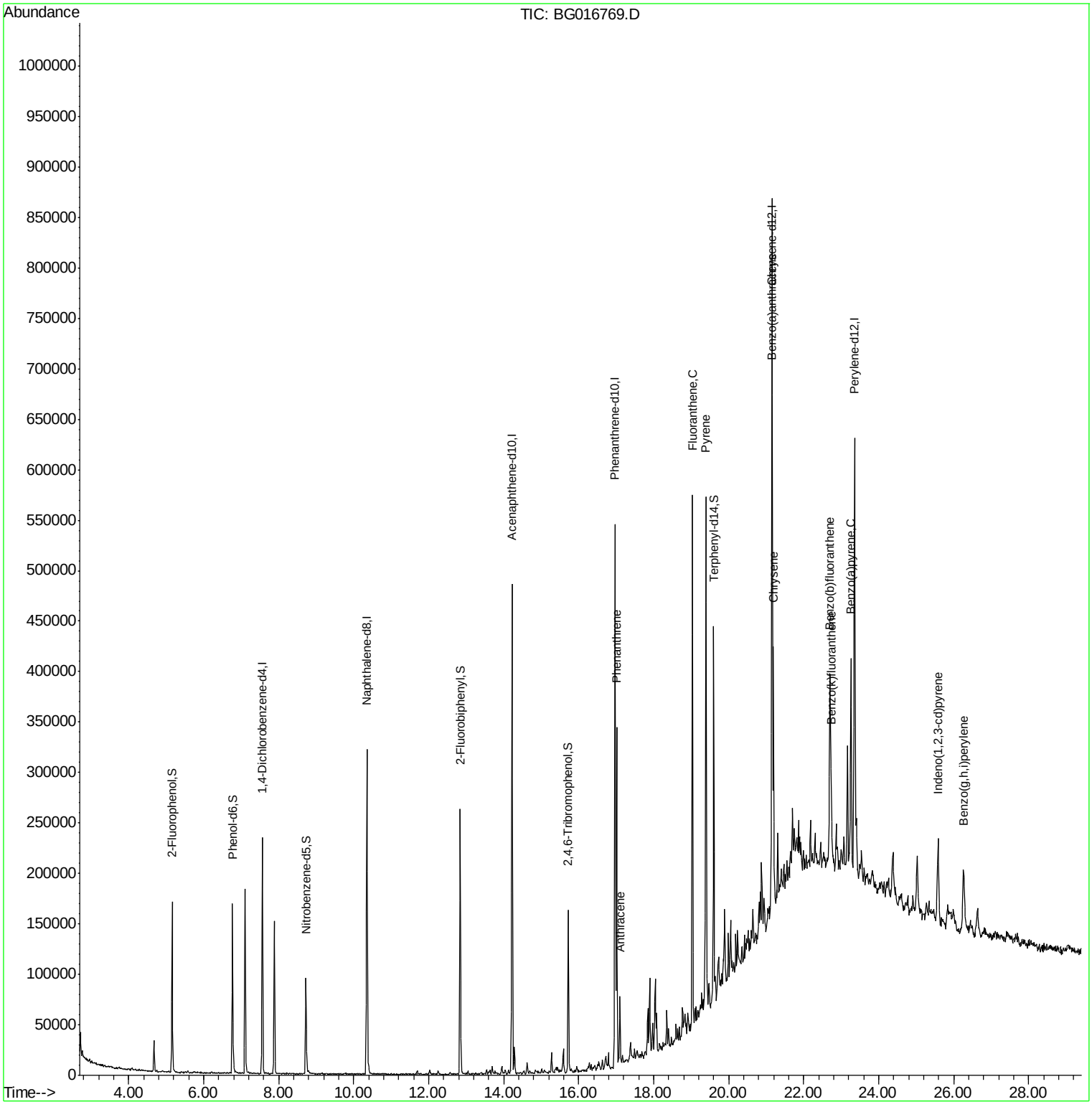
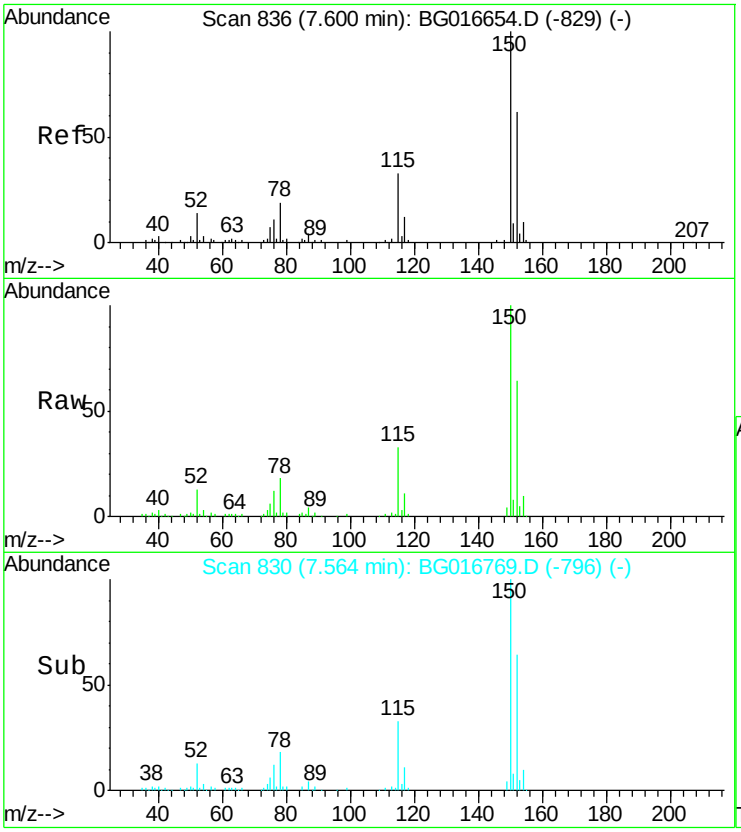


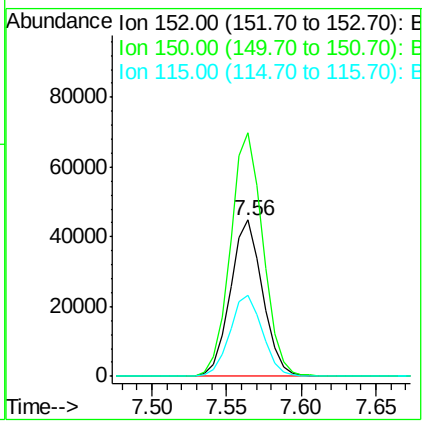


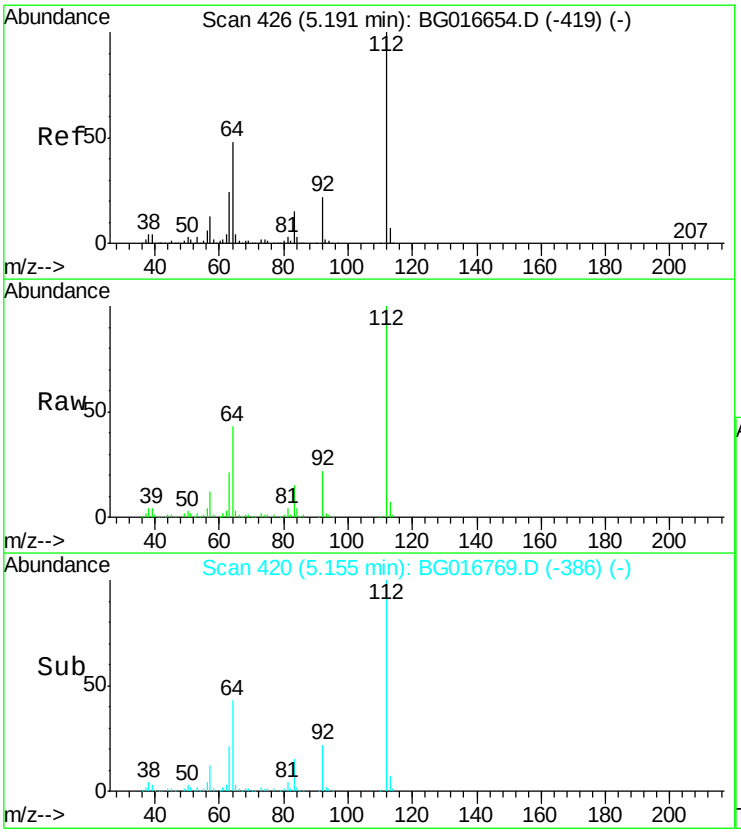
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.56 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Instrument :
BNA_G
ClientSampleId :
SB-74S

Tgt Ion:152 Resp: 67455

Ion	Ratio	Lower	Upper
152	100		
150	155.6	129.6	194.4
115	51.8	43.0	64.6

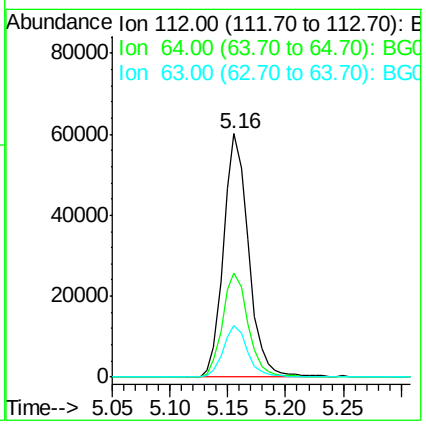


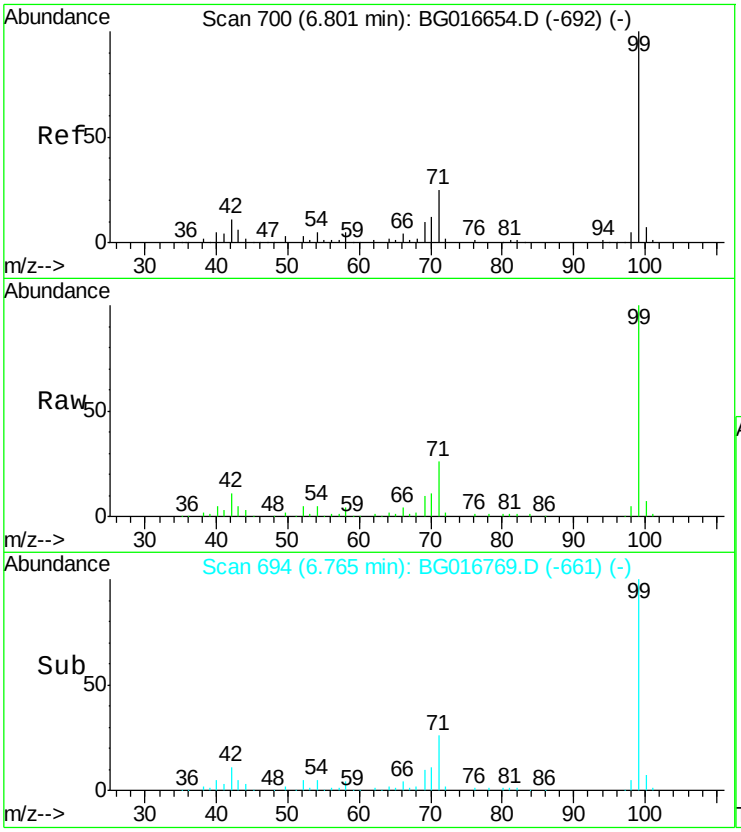


#5
2-Fluorophenol
Concen: 21.76 ng
RT: 5.16 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Tgt Ion:112 Resp: 90473

Ion	Ratio	Lower	Upper
112	100		
64	42.6	38.3	57.5
63	21.1	18.9	28.3



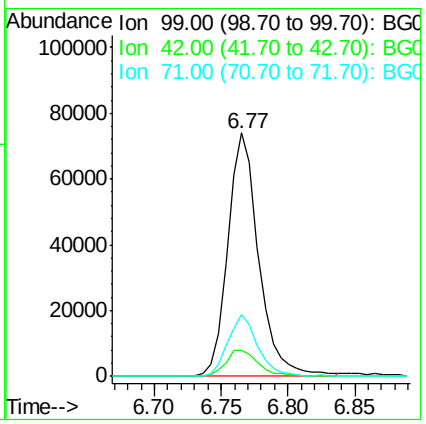


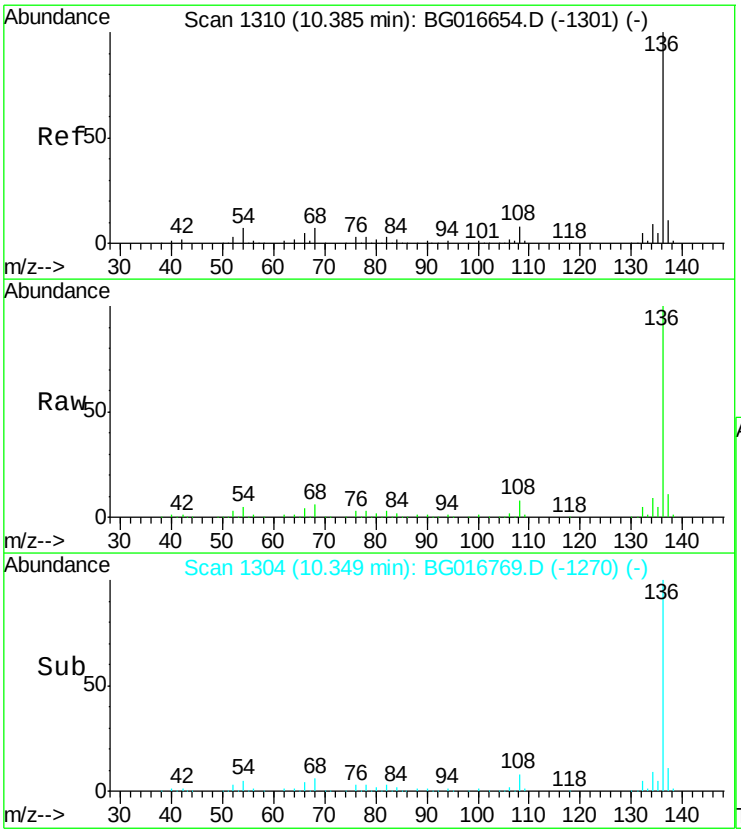
#7
Phenol-d6
Concen: 20.47 ng
RT: 6.77 min Scan# 694
Delta R.T. -0.01 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Instrument :
BNA_G
ClientSampleId :
SB-74S

Tgt Ion: 99 Resp: 119345

Ion	Ratio	Lower	Upper
99	100		
42	10.9	8.8	13.2
71	25.7	19.9	29.9

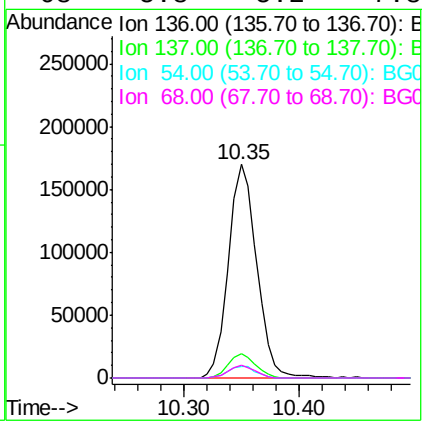


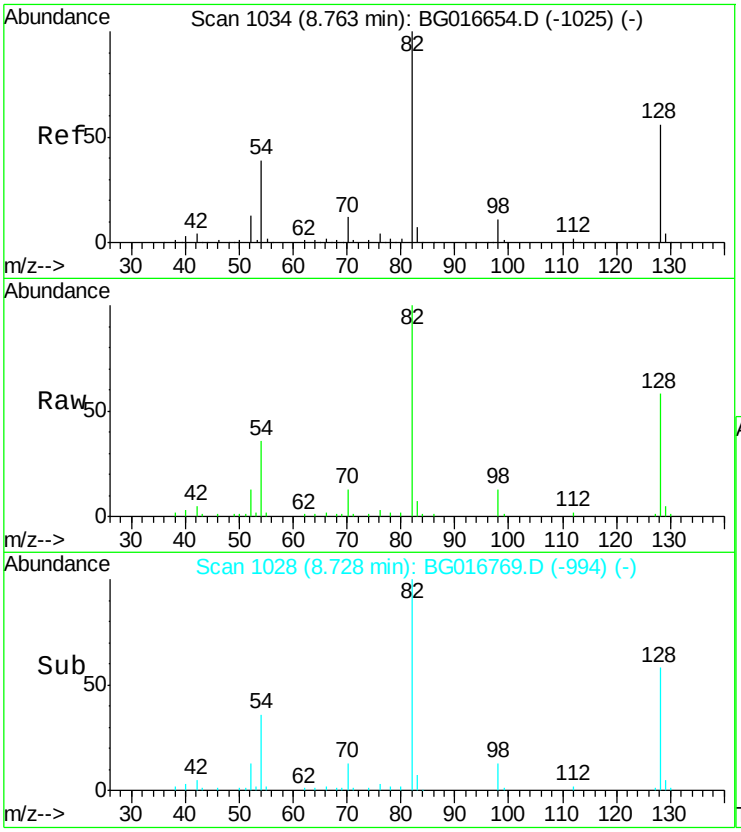


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.35 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Tgt Ion:136 Resp: 288664

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	5.5	5.4	8.2
68	5.8	5.2	7.8



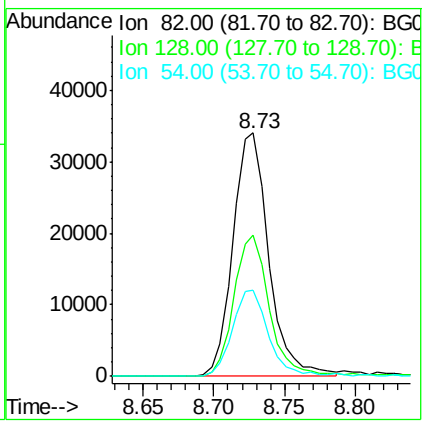


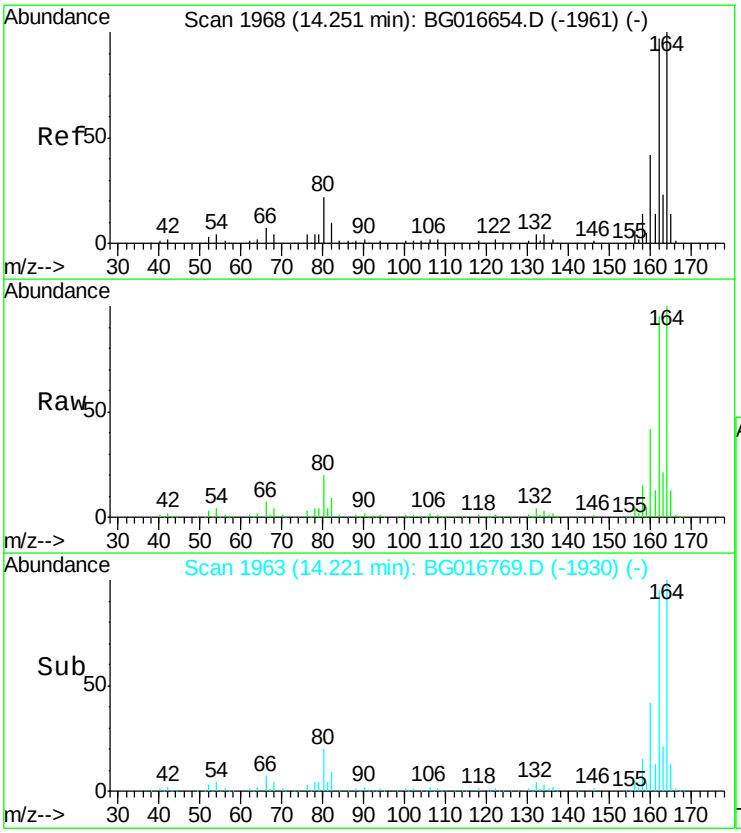
#23
Nitrobenzene-d5
Concen: 13.20 ng
RT: 8.73 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Instrument :
BNA_G
ClientSampleId :
SB-74S

Tgt Ion: 82 Resp: 60324

Ion	Ratio	Lower	Upper
82	100		
128	57.9	44.7	67.1
54	35.7	30.9	46.3

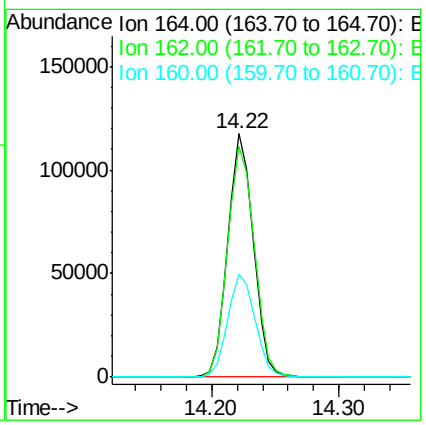


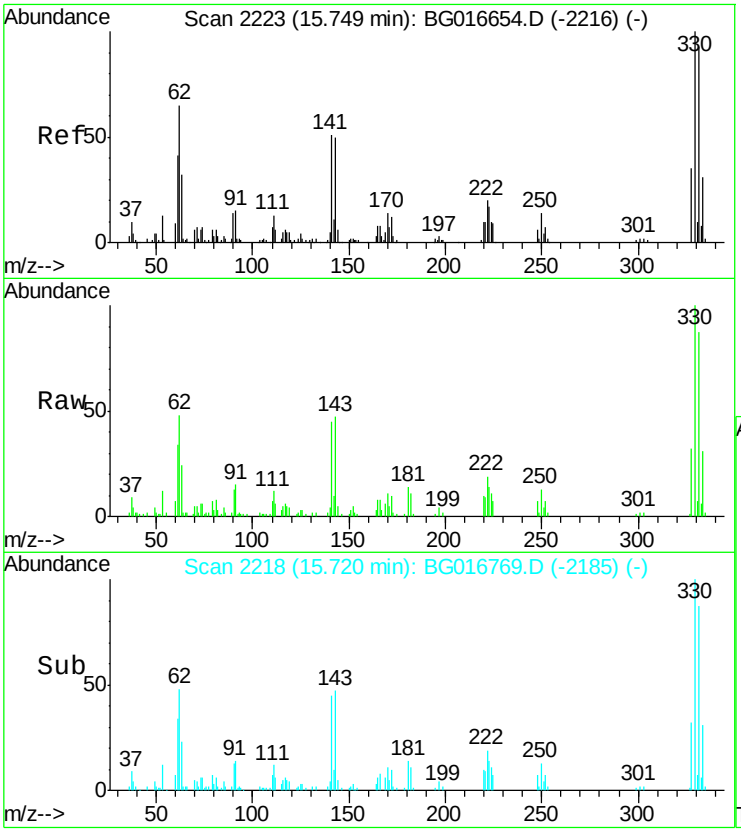


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.22 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Tgt Ion:164 Resp: 163586

Ion	Ratio	Lower	Upper
164	100		
162	94.8	77.3	115.9
160	42.1	33.7	50.5



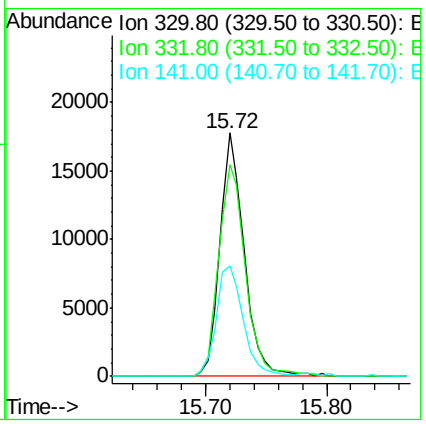


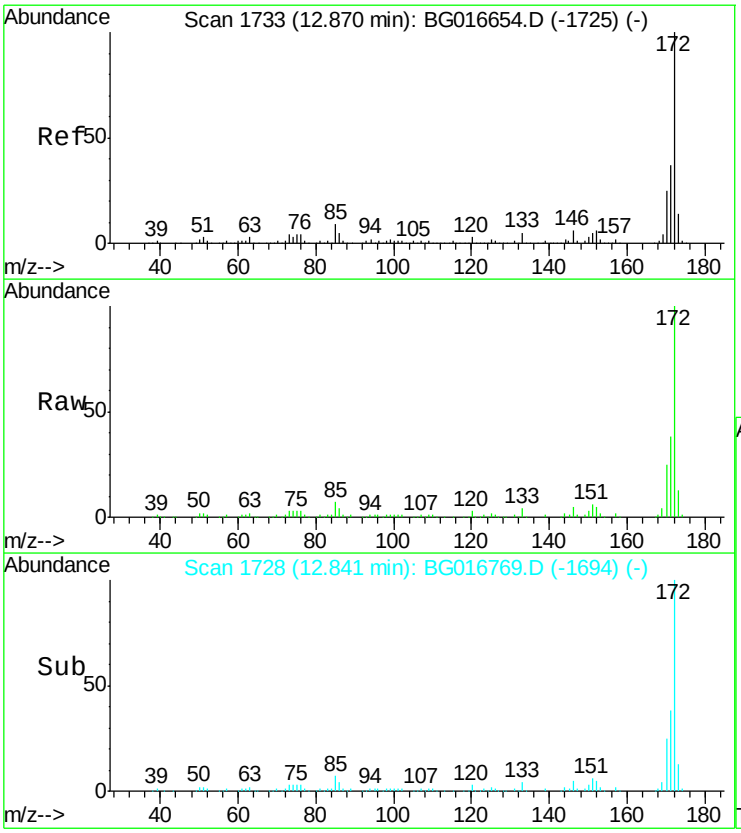
#41
2,4,6-Tribromophenol
Concen: 20.34 ng
RT: 15.72 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Instrument :
BNA_G
ClientSampleId :
SB-74S

Tgt Ion:330 Resp: 24684

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.2	114.4
141	50.1	43.0	64.6

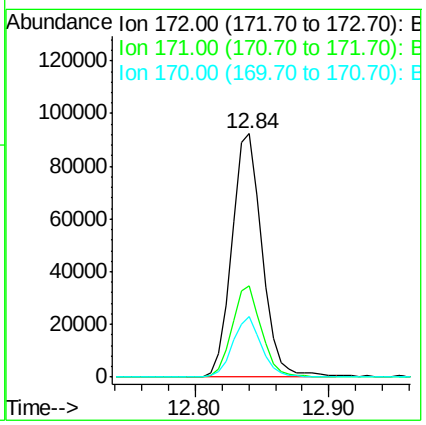


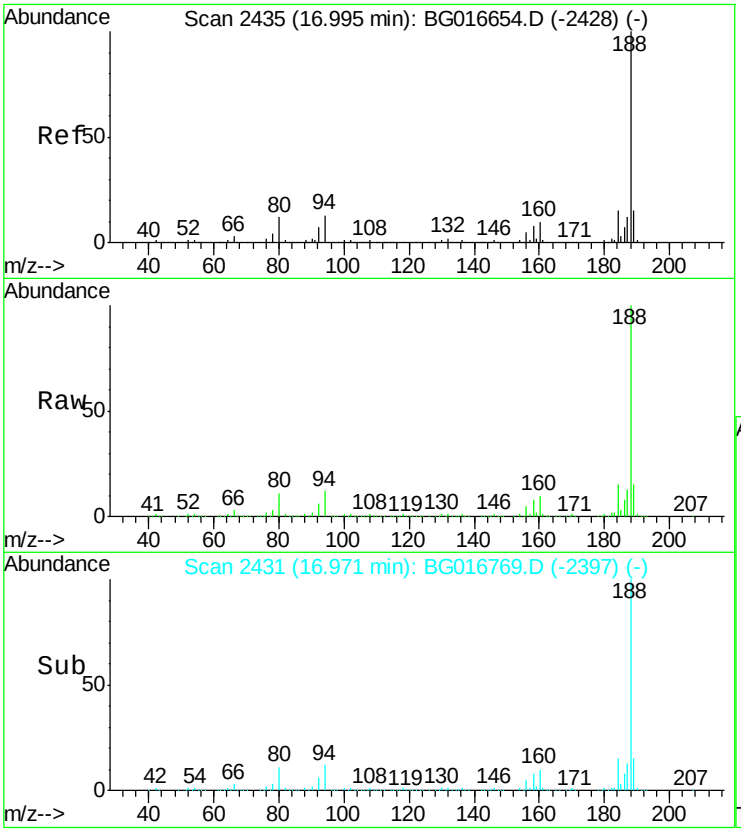


#44
2-Fluorobiphenyl
Concen: 14.26 ng
RT: 12.84 min Scan# 1728
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Tgt Ion:172 Resp: 145208

Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.9	44.9
170	24.9	19.8	29.8



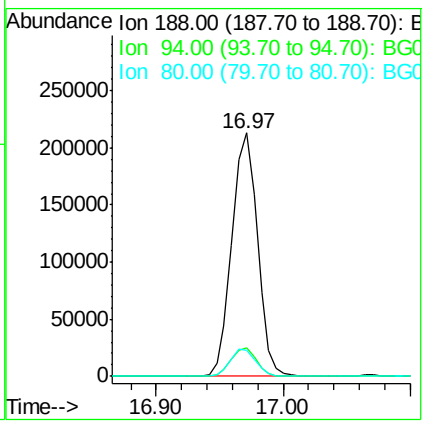


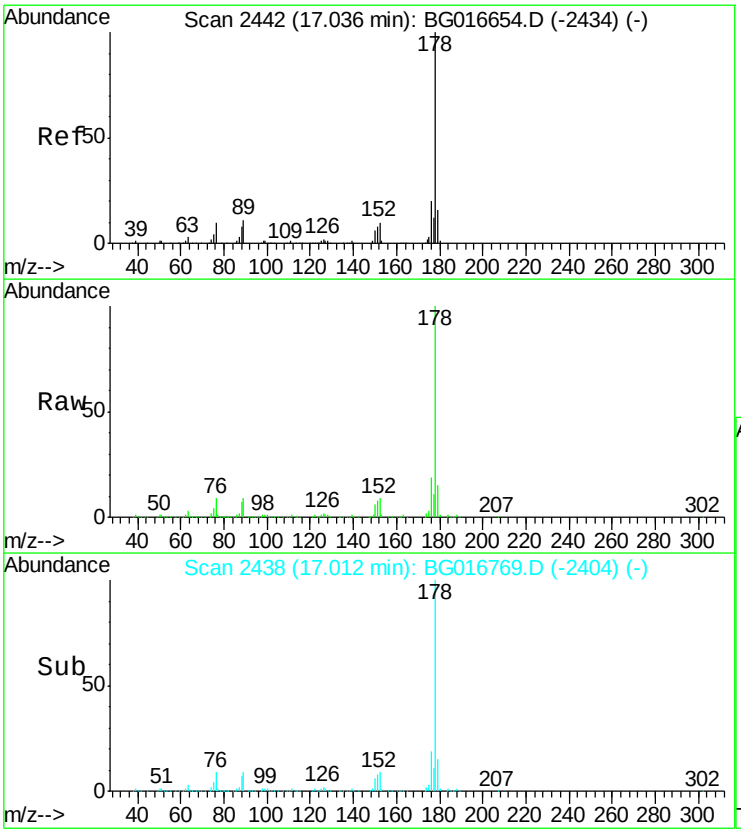
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Instrument :
BNA_G
ClientSampleId :
SB-74S

Tgt Ion:188 Resp: 297706

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

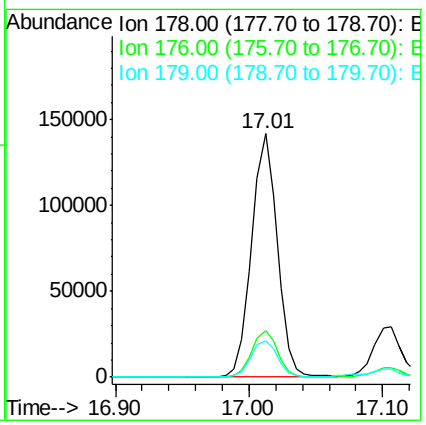


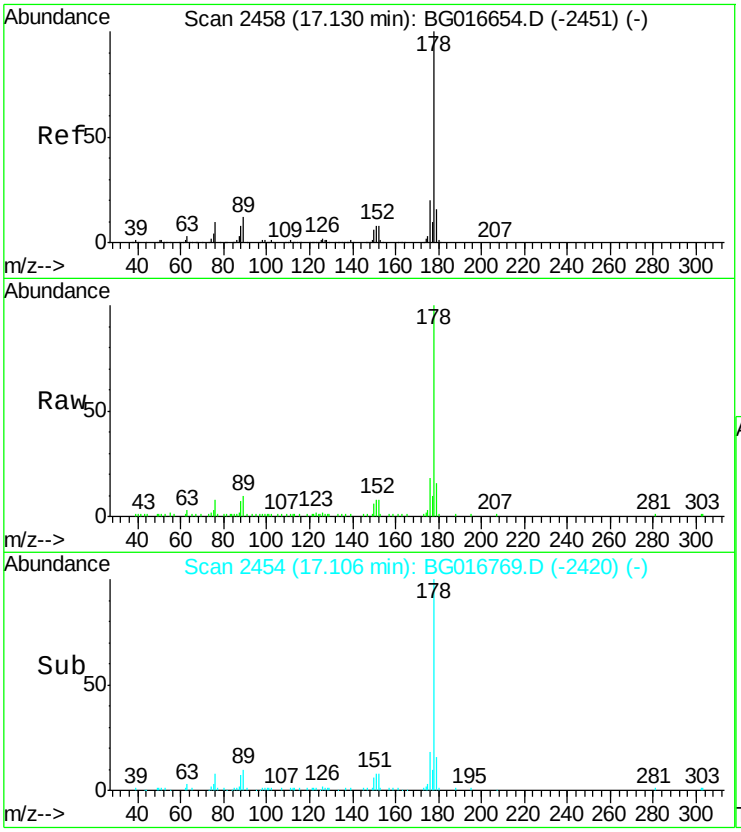


#70
Phenanthrene
Concen: 10.96 ng
RT: 17.01 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Tgt Ion:178 Resp: 187368

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.6
179	14.9	12.8	19.2



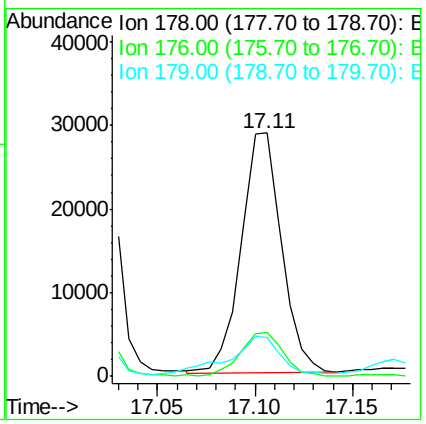


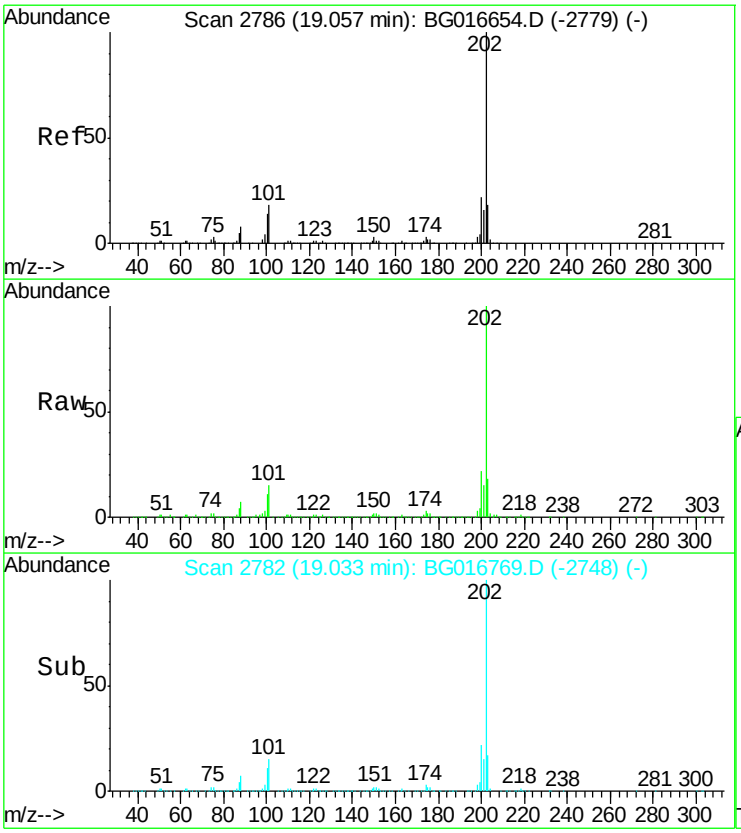
#71
Anthracene
Concen: 2.42 ng
RT: 17.11 min Scan# 2454
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Instrument :
BNA_G
ClientSampleId :
SB-74S

Tgt Ion:178 Resp: 41173

Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.0	24.0
179	15.8	12.9	19.3

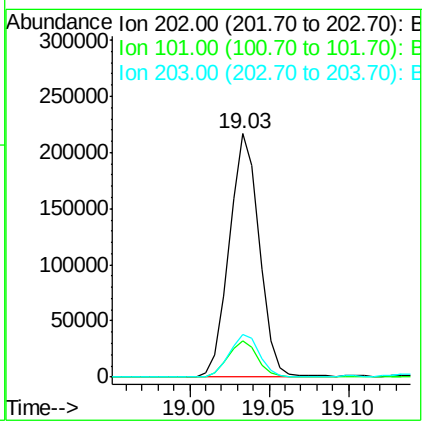


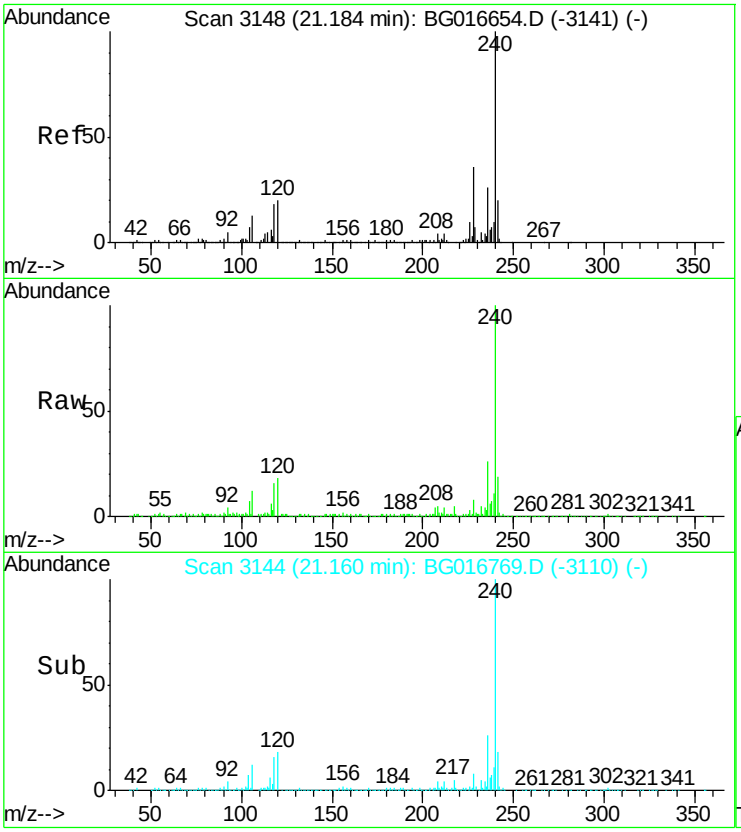


#74
Fluoranthene
Concen: 15.63 ng
RT: 19.03 min Scan# 2782
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Tgt Ion:202 Resp: 283176

Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	38.1
203	17.7	0.0	38.4



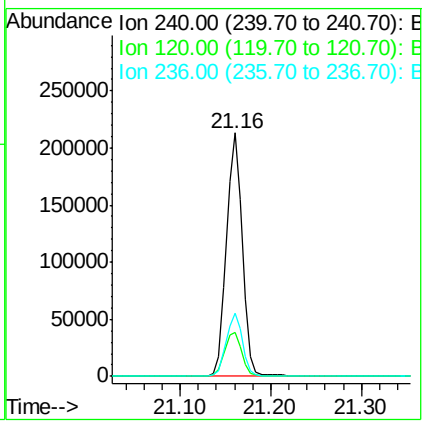


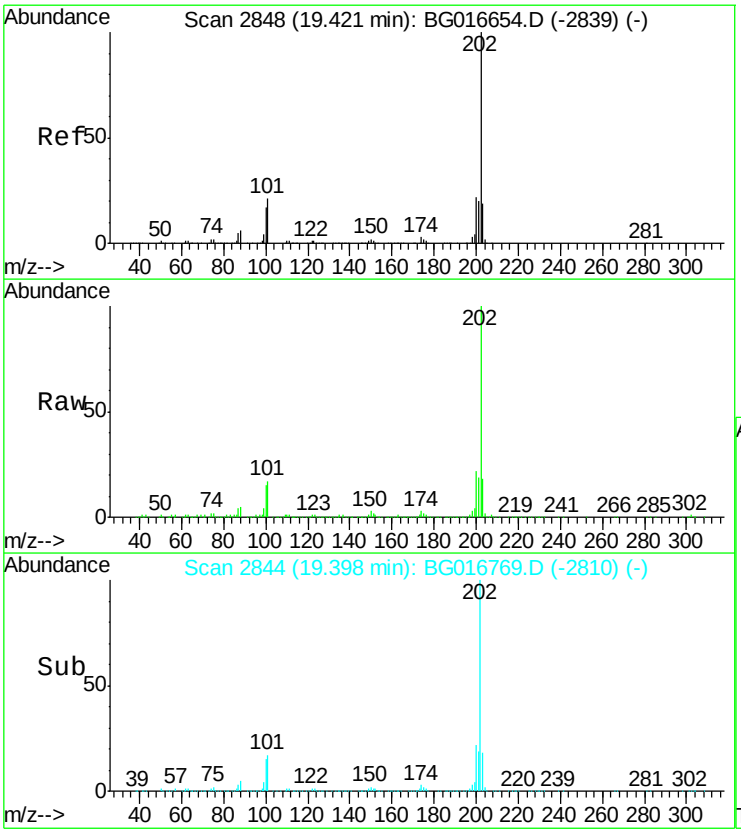
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.16 min Scan# 3144
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Instrument :
BNA_G
ClientSampleId :
SB-74S

Tgt Ion:240 Resp: 258579

Ion	Ratio	Lower	Upper
240	100		
120	18.0	16.3	24.5
236	25.7	21.1	31.7

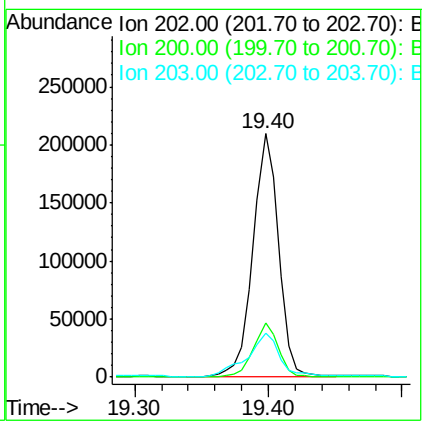


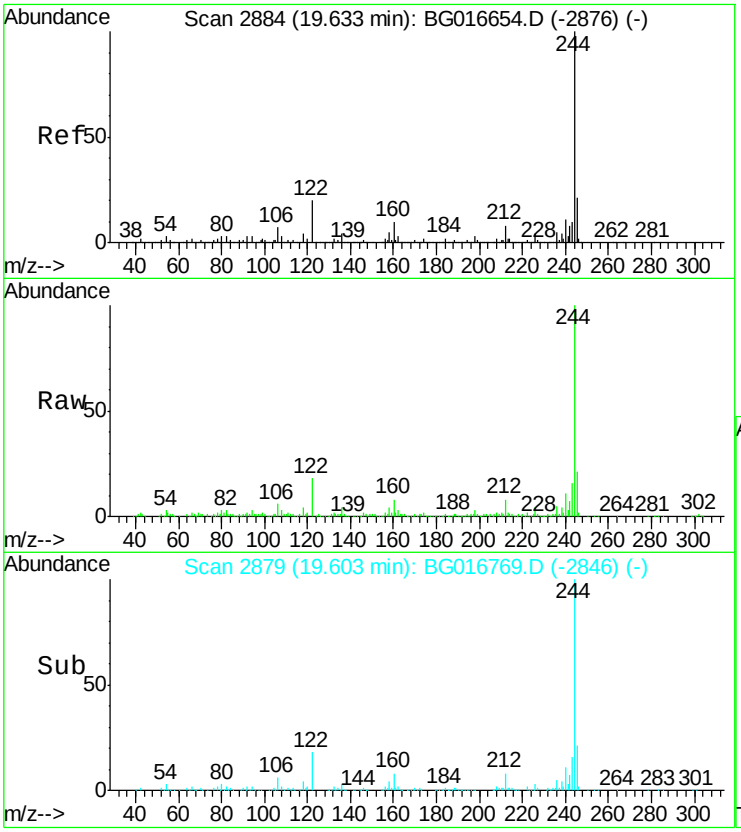


#77
Pyrene
Concen: 15.16 ng
RT: 19.40 min Scan# 2844
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Tgt Ion:202 Resp: 275385

Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.0	27.0
203	18.1	14.9	22.3



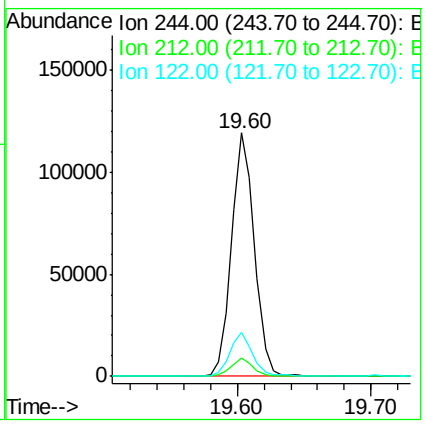


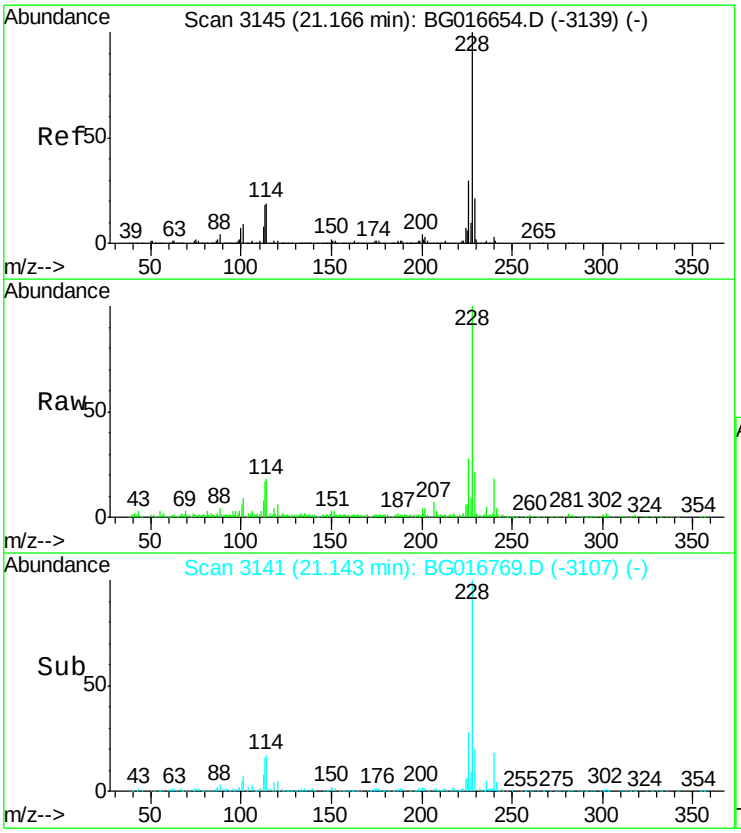
#78
Terphenyl-d14
Concen: 12.76 ng
RT: 19.60 min Scan# 2879
Delta R.T. -0.01 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Instrument :
BNA_G
ClientSampleId :
SB-74S

Tgt Ion:244 Resp: 143215

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.4	9.6
122	18.1	15.9	23.9

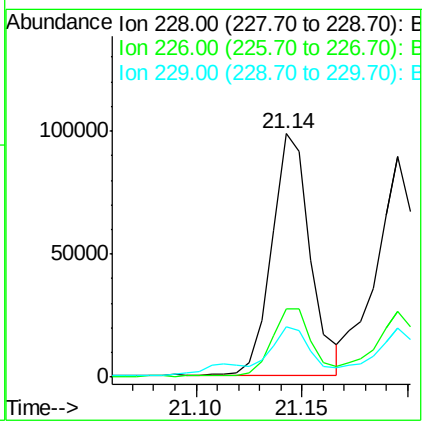


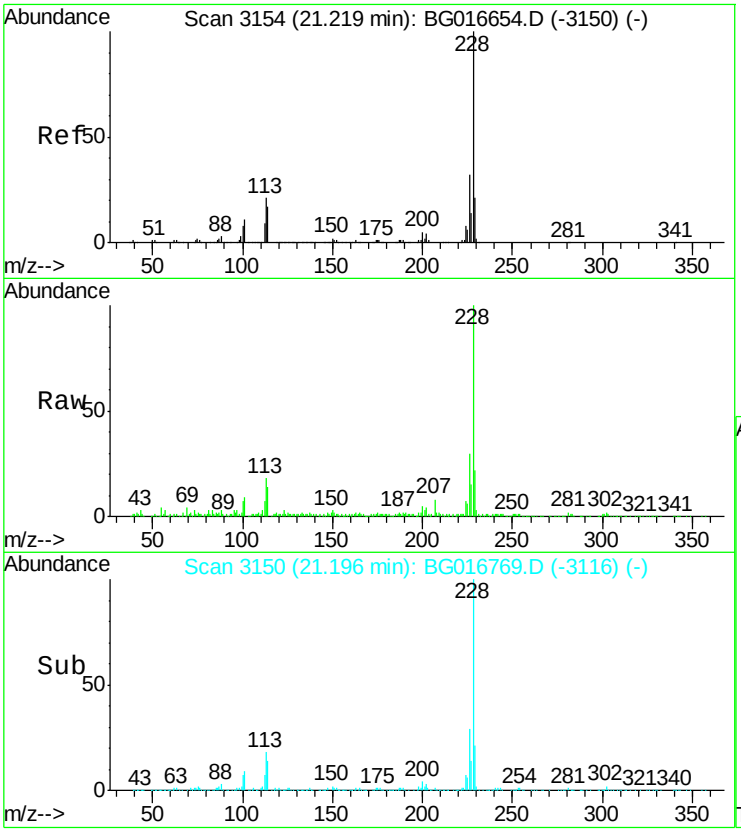


#80
Benzo(a)anthracene
Concen: 7.96 ng
RT: 21.14 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Tgt Ion:228 Resp: 124756

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.8	35.6
229	20.8	17.0	25.4



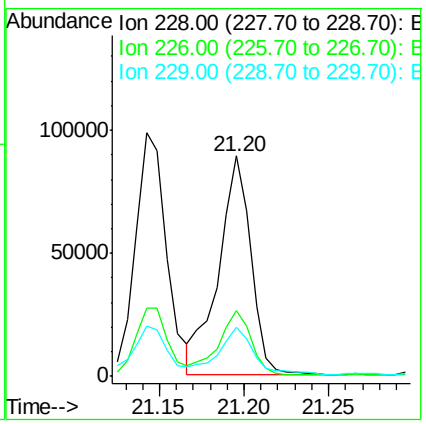


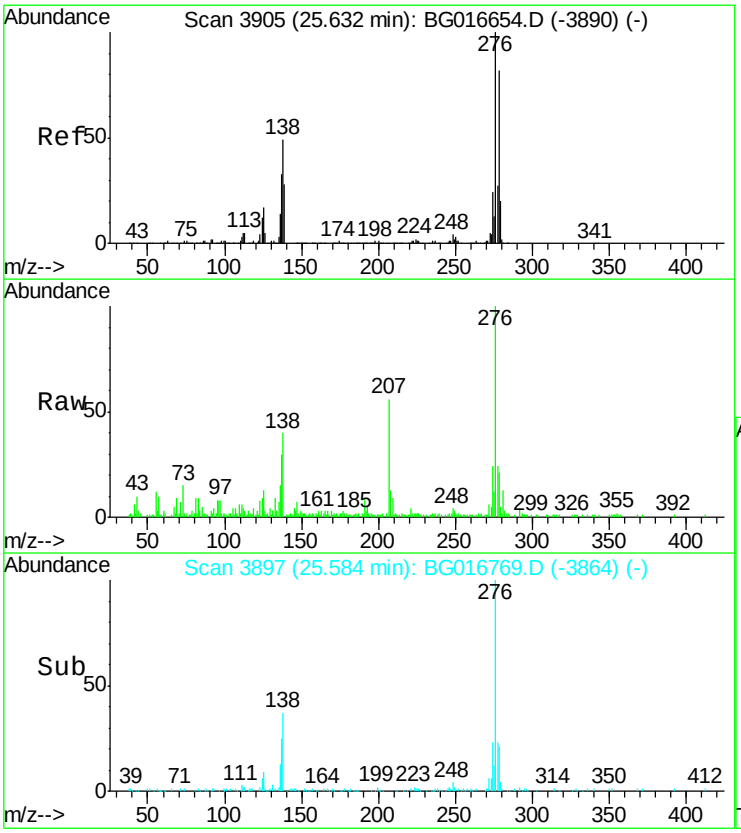
#82
Chrysene
Concen: 7.87 ng
RT: 21.20 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Instrument :
BNA_G
ClientSampleId :
SB-74S

Tgt Ion:228 Resp: 118294

Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.0
229	22.0	16.5	24.7

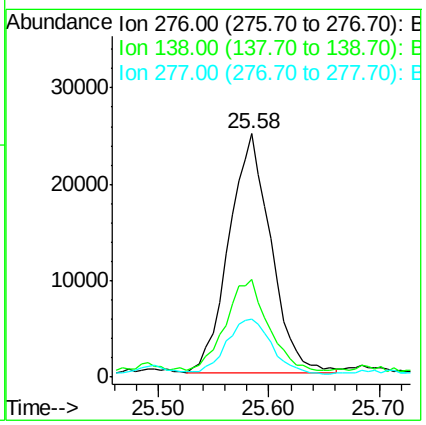


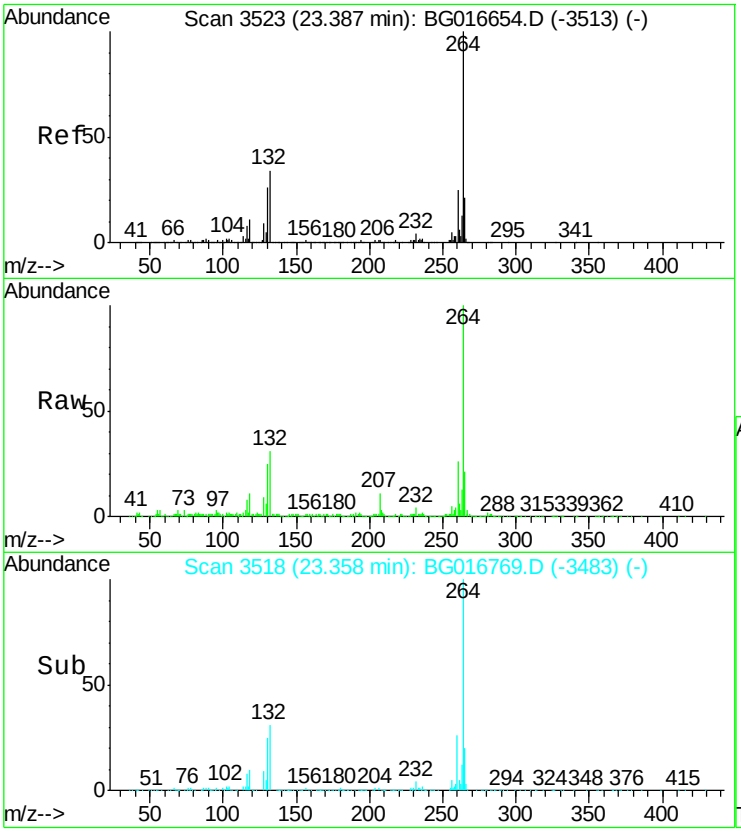


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.04 ng
RT: 25.58 min Scan# 3897
Delta R.T. -0.01 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Tgt Ion:276 Resp: 66248

Ion	Ratio	Lower	Upper
276	100		
138	39.3	38.2	57.2
277	24.7	21.4	32.2



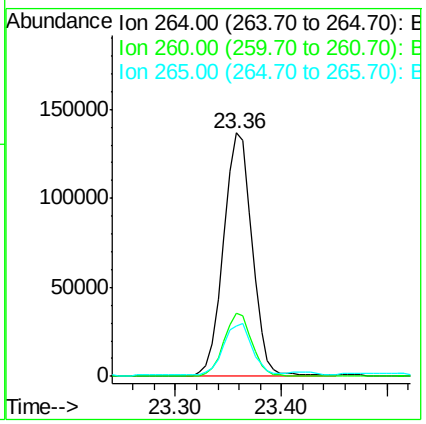


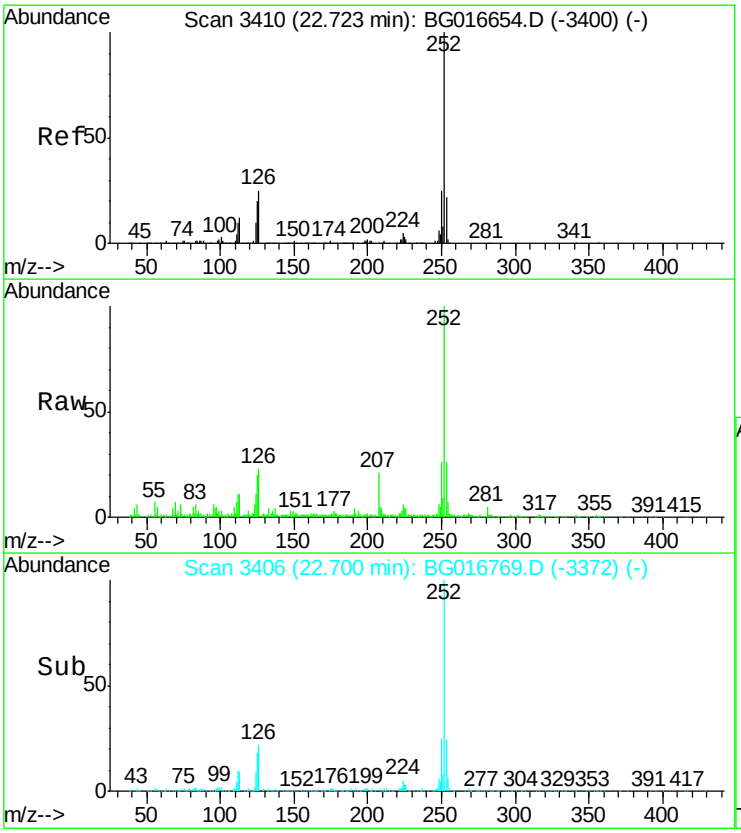
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.36 min Scan# 3518
Delta R.T. 0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Instrument :
BNA_G
ClientSampleId :
SB-74S

Tgt Ion:264 Resp: 253904

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.0	30.0
265	20.9	16.8	25.2

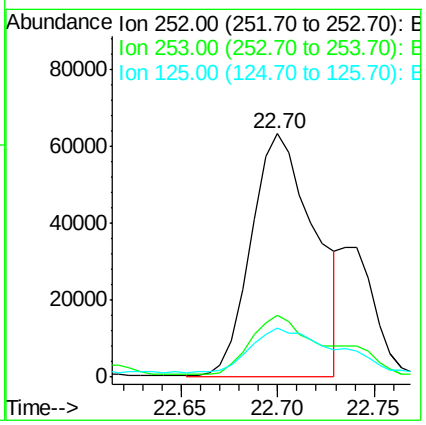


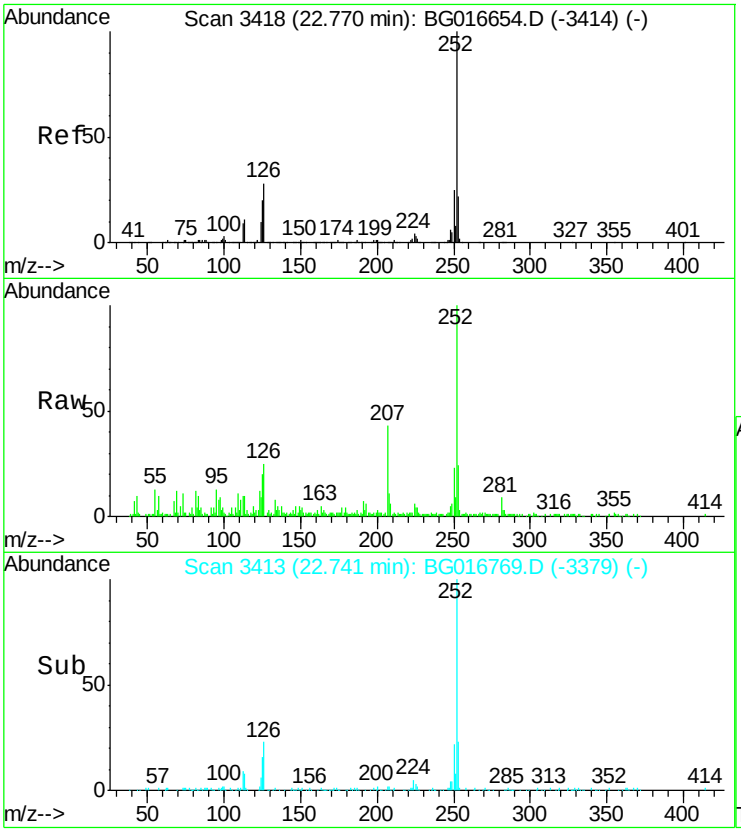


#87
Benzo(b)fluoranthene
Concen: 9.40 ng m
RT: 22.70 min Scan# 3406
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Tgt Ion:252 Resp: 145016

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	20.2	15.8	23.8



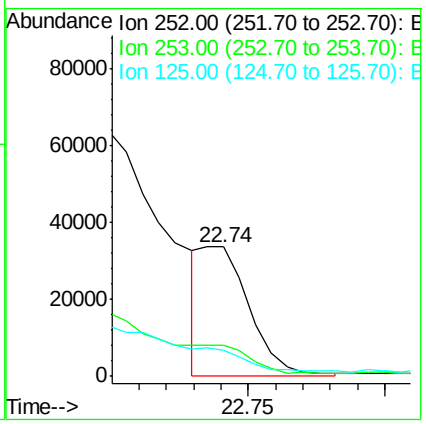


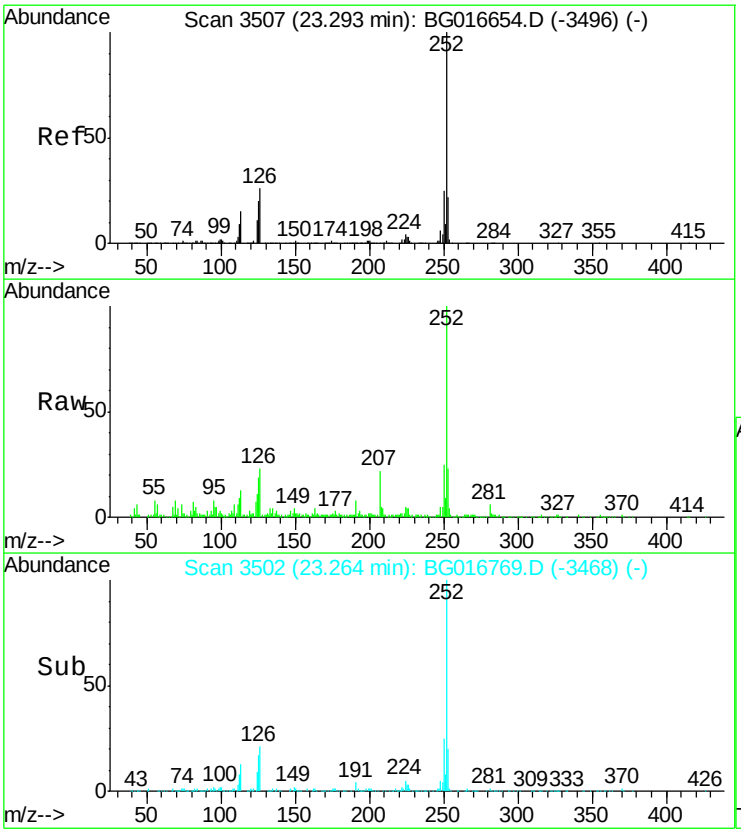
#88
Benzo(k)fluoranthene
Concen: 2.77 ng m
RT: 22.74 min Scan# 3413
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Instrument :
BNA_G
ClientSampleId :
SB-74S

Tgt Ion:252 Resp: 41616

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	19.7	15.5	23.3

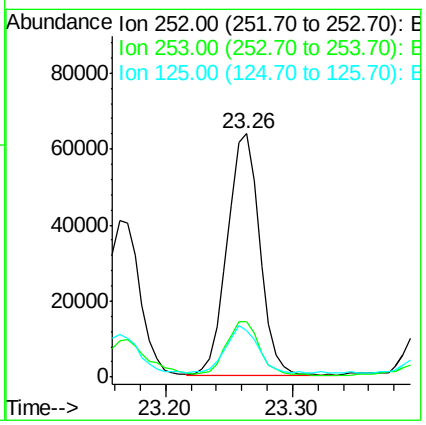


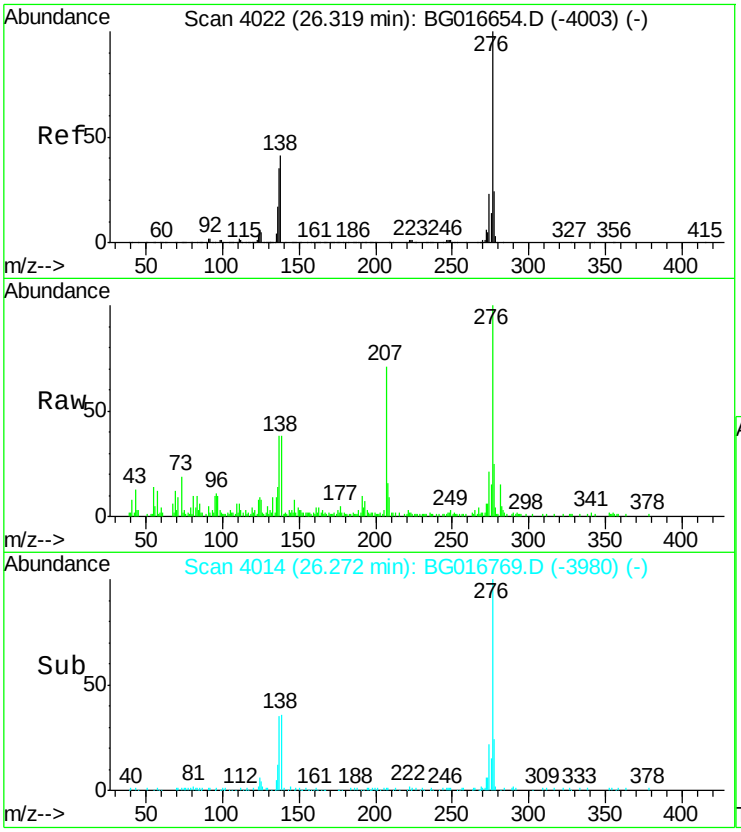


#89
Benzo(a)pyrene
Concen: 7.77 ng
RT: 23.26 min Scan# 3502
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Tgt Ion:252 Resp: 112963

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	19.2	16.3	24.5





#91
Benzo(g,h,i)perylene
Concen: 4.91 ng
RT: 26.27 min Scan# 4014
Delta R.T. -0.00 min
Lab File: BG016769.D
Acq: 28 Apr 2015 17:51

Instrument :
BNA_G
ClientSampleId :
SB-74S

Tgt Ion:276 Resp: 70600

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.3	28.9
138	37.9	32.8	49.2