Quantitation Report (LSC Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102728.D
Acq On : 5 Feb 2018 10:37
Operator : SJ/JU
Sample : J1022-12 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Feb 05 13:04:16 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	255475	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1028702	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	463855	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	751768	20.00	ng	0.00
75) Chrysene-d12	14.05	240	440227	20.00	ng	0.00
86) Perylene-d12	15.53	264	462632	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	381638	22.69	ng	-0.01
7) Phenol-d6	6.49	99	453332	22.38	ng	-0.01
23) Nitrobenzene-d5	7.43	82	269975	18.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	91805	24.59	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	465462	16.65	ng	-0.01
78) Terphenyl-d14	12.99	244	337461	18.15	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.95	154	64518	2.258	ng	96
57) Fluorene	10.46	166	93851	3.204	ng	98
70) Phenanthrene	11.43	178	1219214	29.120	ng	100
71) Anthracene	11.48	178	394297	9.259	ng	99
74) Fluoranthene	12.63	202	1715852	40.733	ng	99
77) Pyrene	12.86	202	1513669	43.848	ng	99
80) Benzo(a)anthracene	14.04	228	753500	27.216	ng	99
82) Chrysene	14.07	228	671308	24.053	ng	98
85) Indeno(1,2,3-cd)pyrene	17.01	276	340061	14.691	ng	93
87) Benzo(b)fluoranthene	15.09	252	858412m	28.619	ng	
88) Benzo(k)fluoranthene	15.12	252	257450m	8.983	ng	
89) Benzo(a)pyrene	15.46	252	577862	21.404	ng	97
90) Dibenzo(a,h)anthracene	17.02	278	85140m	3.885	ng	
91) Benzo(g,h,i)perylene	17.46	276	284506	13.264	ng	95

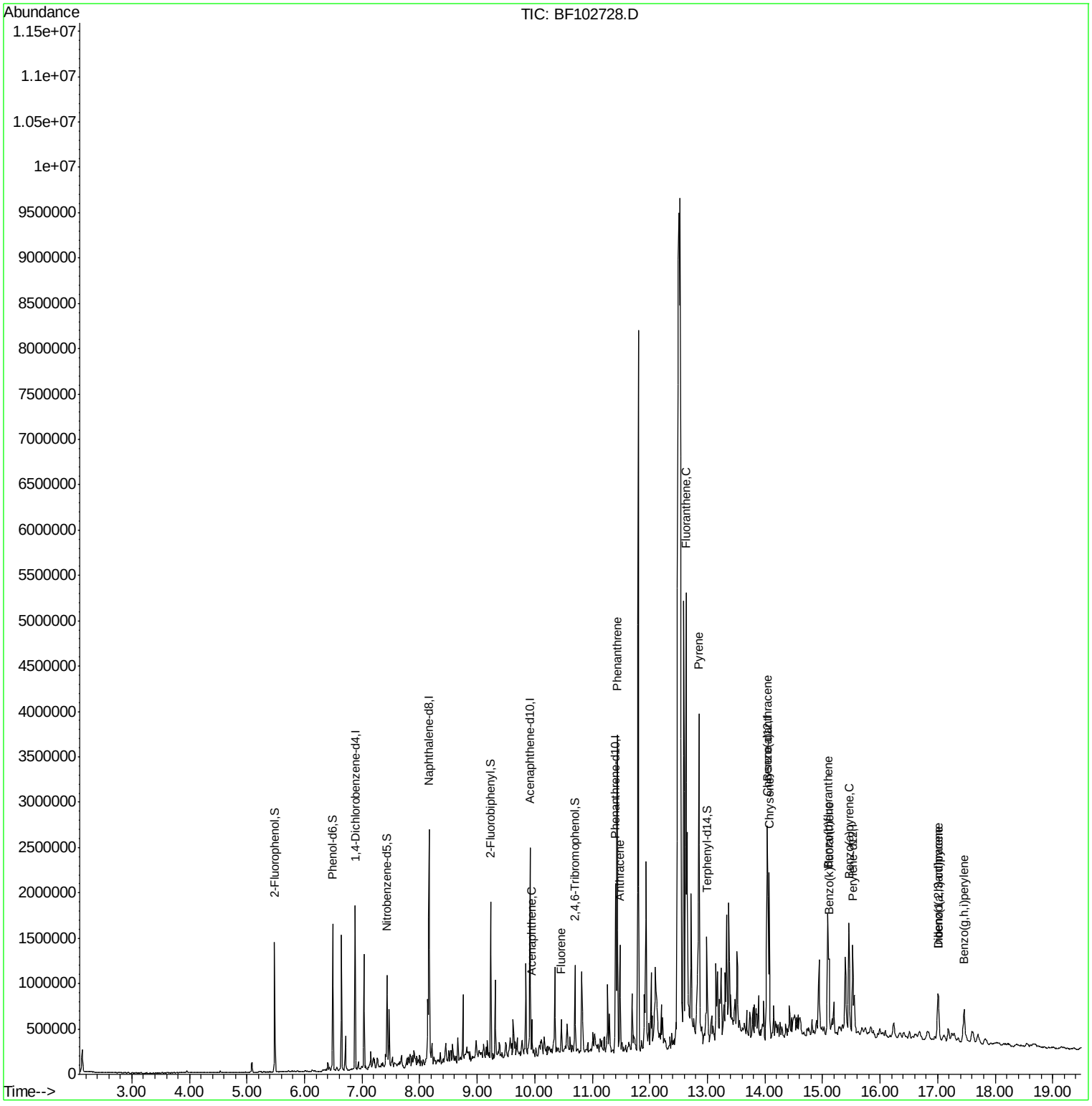
(#) = qualifier out of range (m) = manual integration (+) = signals summed

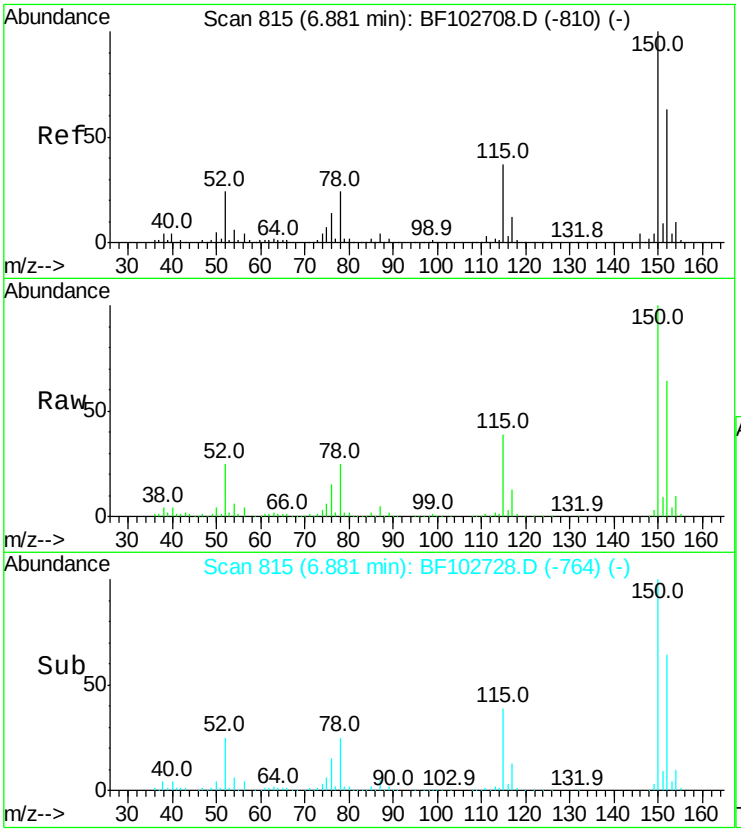
Quantitation Report (LSC Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102728.D
Acq On : 5 Feb 2018 10:37
Operator : SJ/JU
Sample : J1022-12 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 05 13:04:16 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration



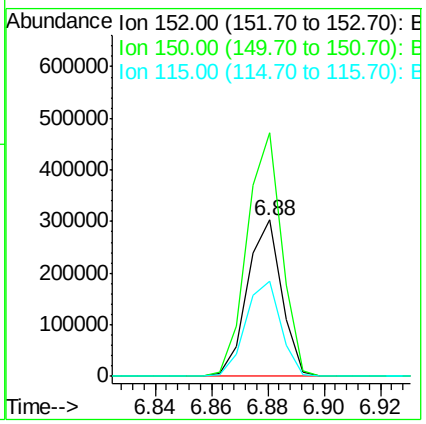


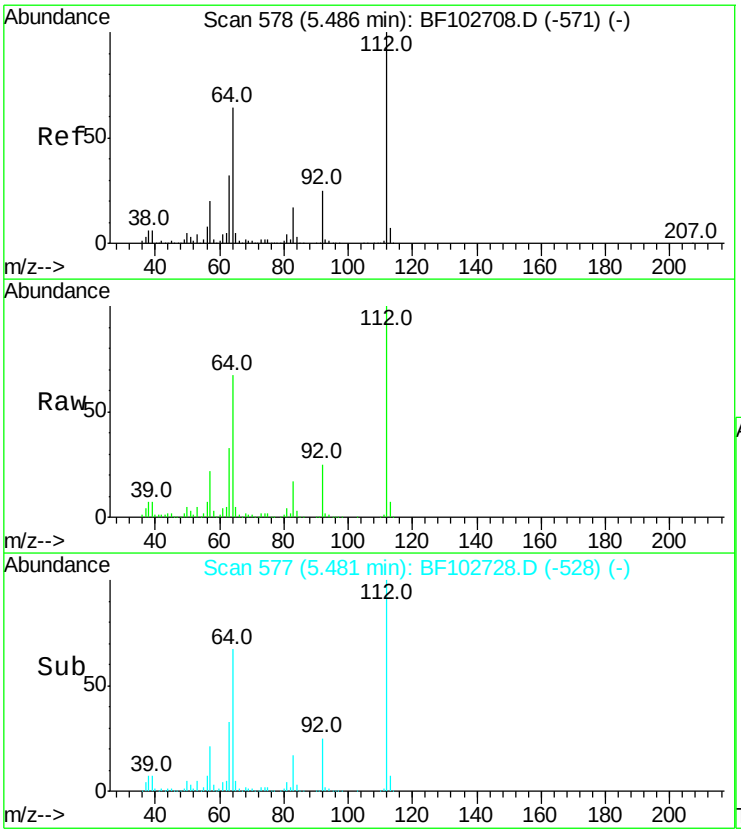
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 255475

Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	60.8	50.1	75.1

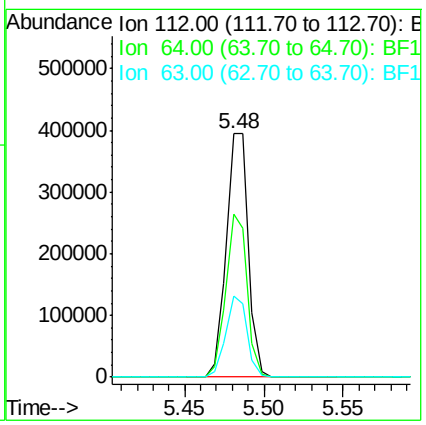


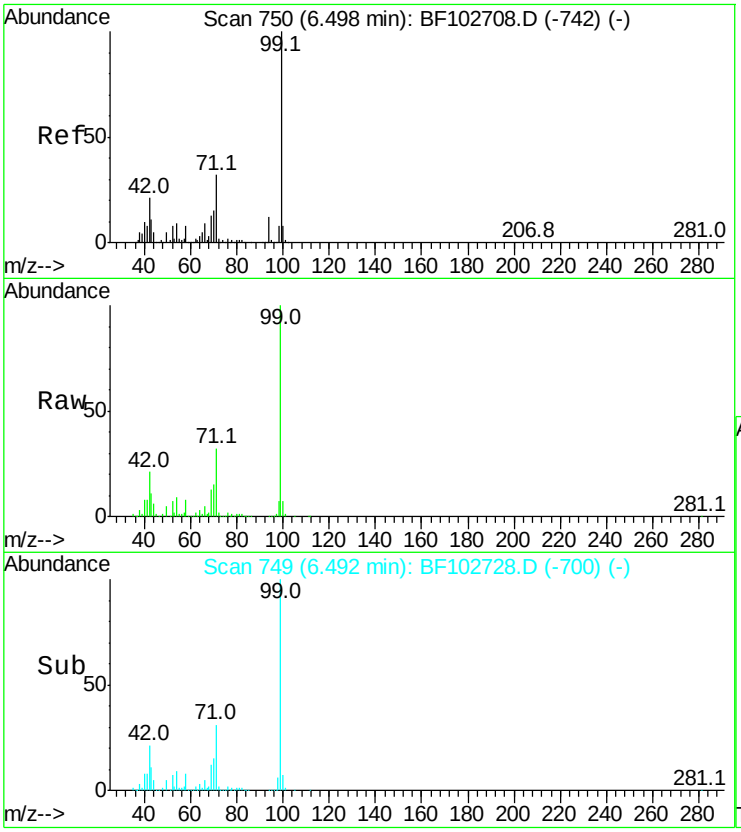


#5
2-Fluorophenol
Concen: 22.686 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:112 Resp: 381638

Ion	Ratio	Lower	Upper
112	100		
64	66.9	47.9	71.9
63	33.5	23.7	35.5

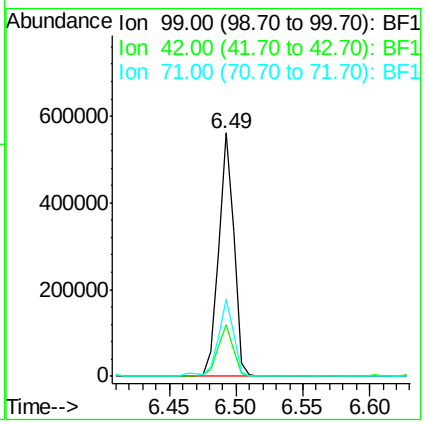




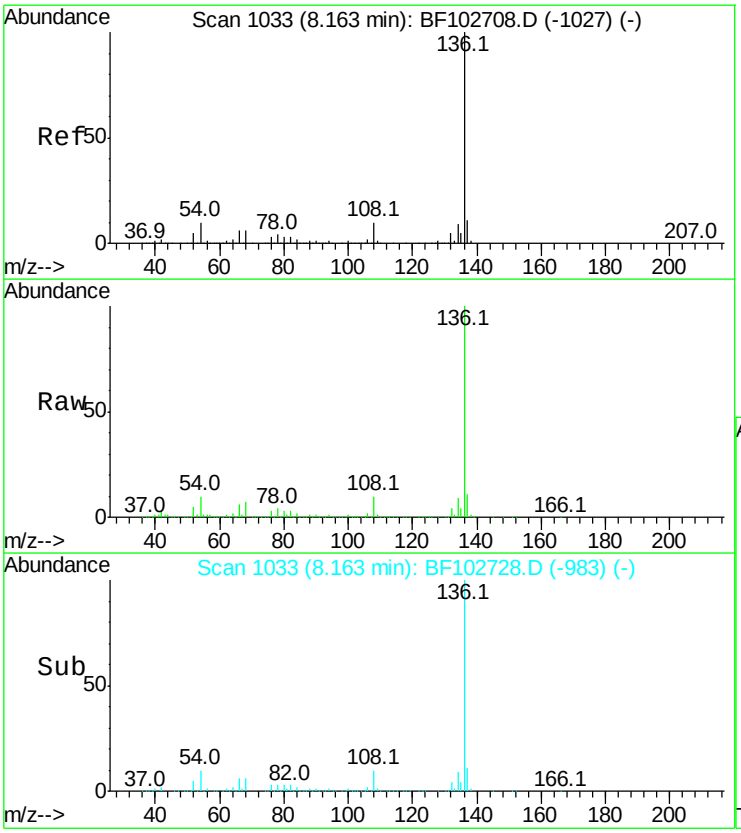
#7
Phenol-d6
Concen: 22.381 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion: 99 Resp: 453332

Ion	Ratio	Lower	Upper
99	100		
42	21.0	14.5	21.7
71	31.5	25.4	38.0



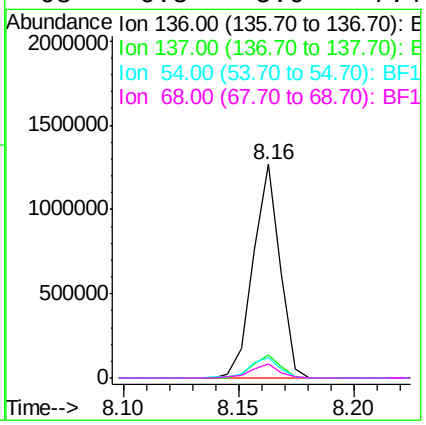
Instrument :
BNA_F
ClientSampleId :

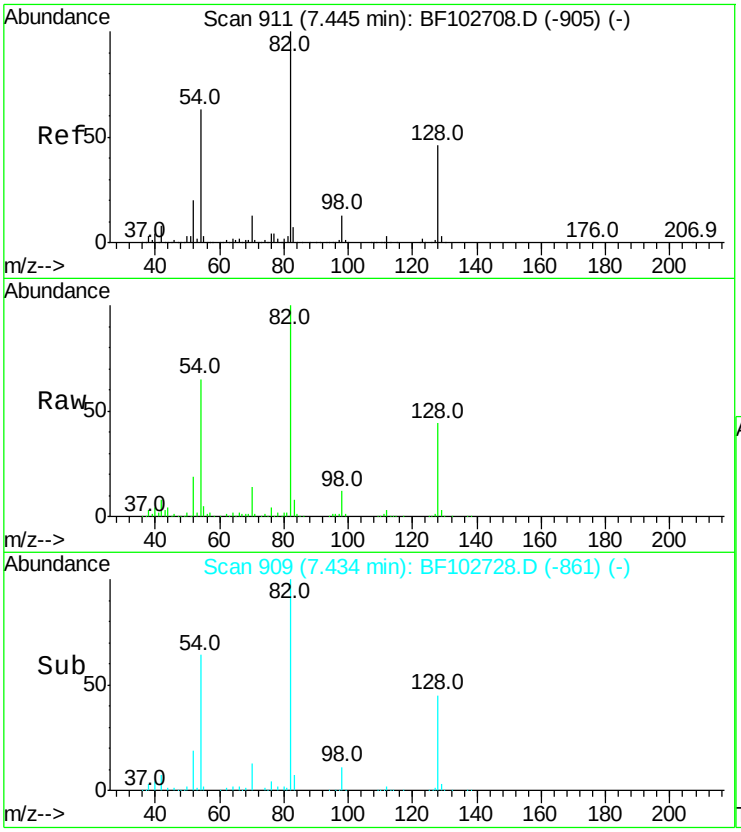


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:136 Resp: 1028702

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.8	6.6	9.8
68	6.5	5.0	7.4



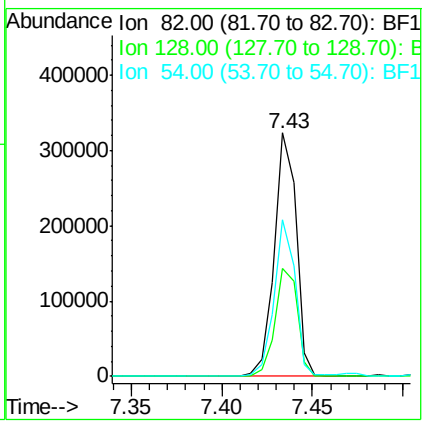


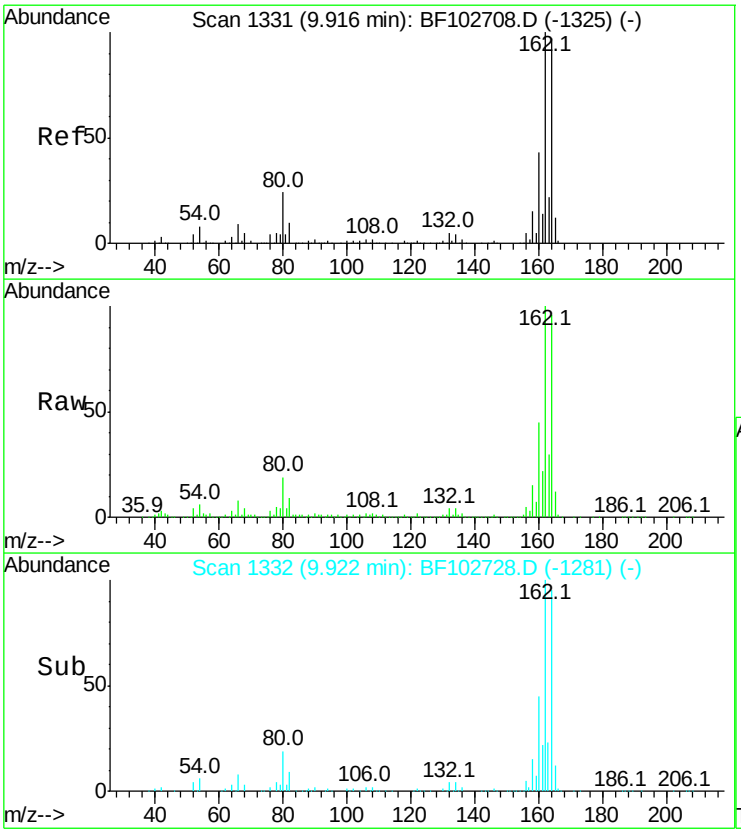
#23
Nitrobenzene-d5
Concen: 18.206 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 269975

Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.1	54.1
54	64.6	41.4	62.2#

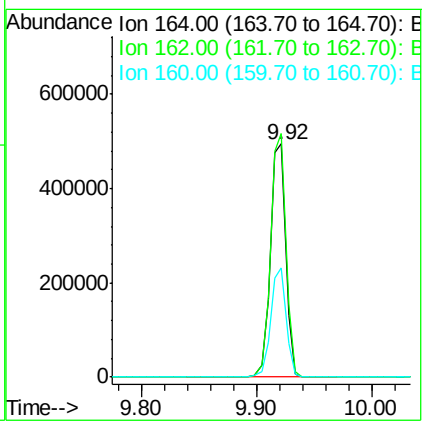


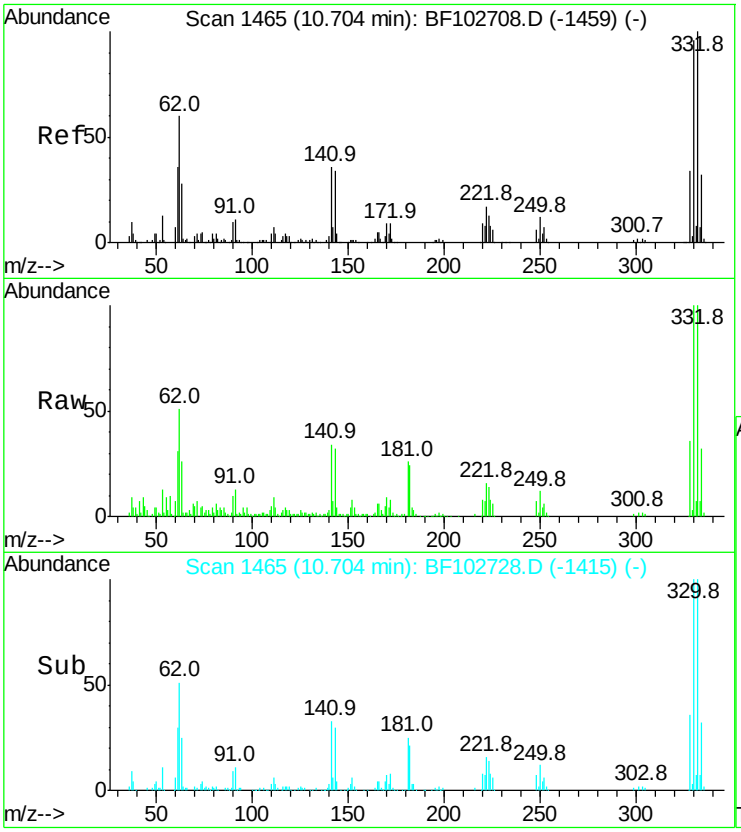


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:164 Resp: 463855

Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	46.7	38.3	57.5



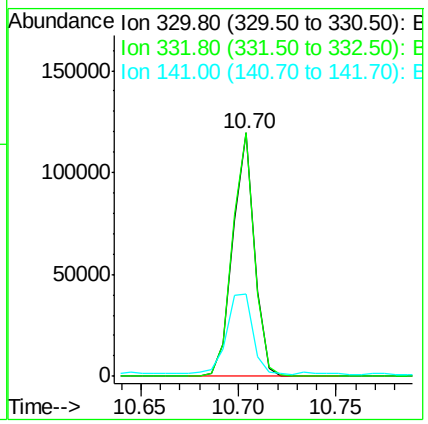


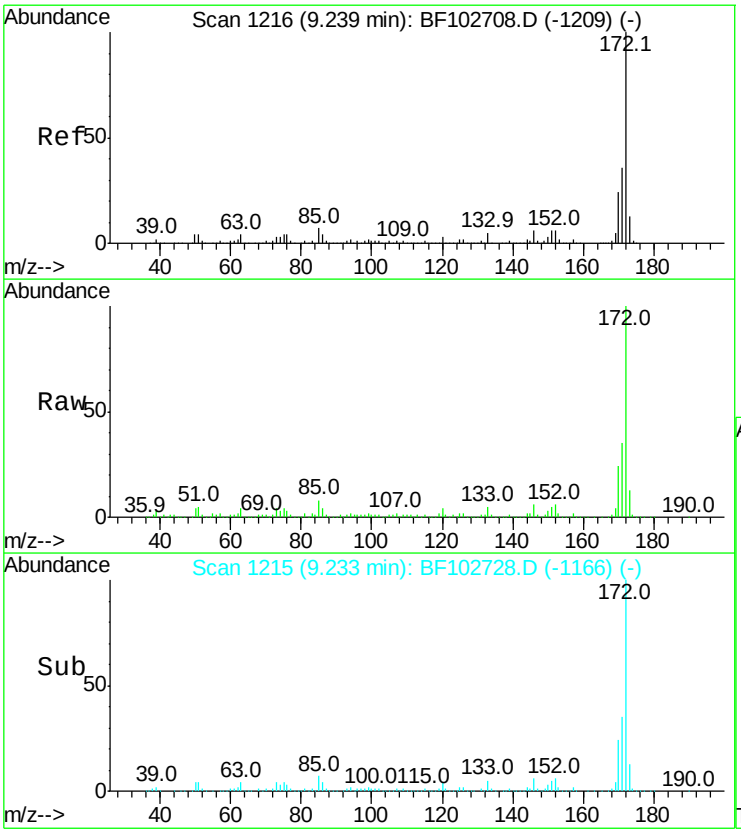
#41
2,4,6-Tribromophenol
Concen: 24.590 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 91805

Ion	Ratio	Lower	Upper
330	100		
332	100.9	77.0	115.6
141	39.9	29.9	44.9

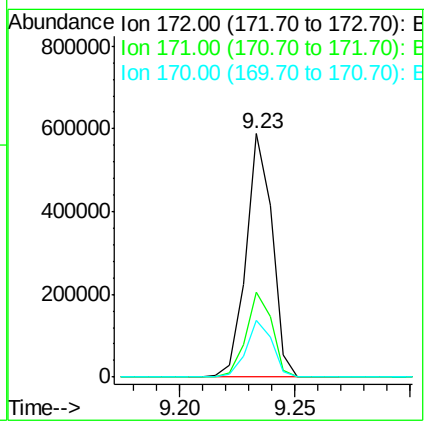


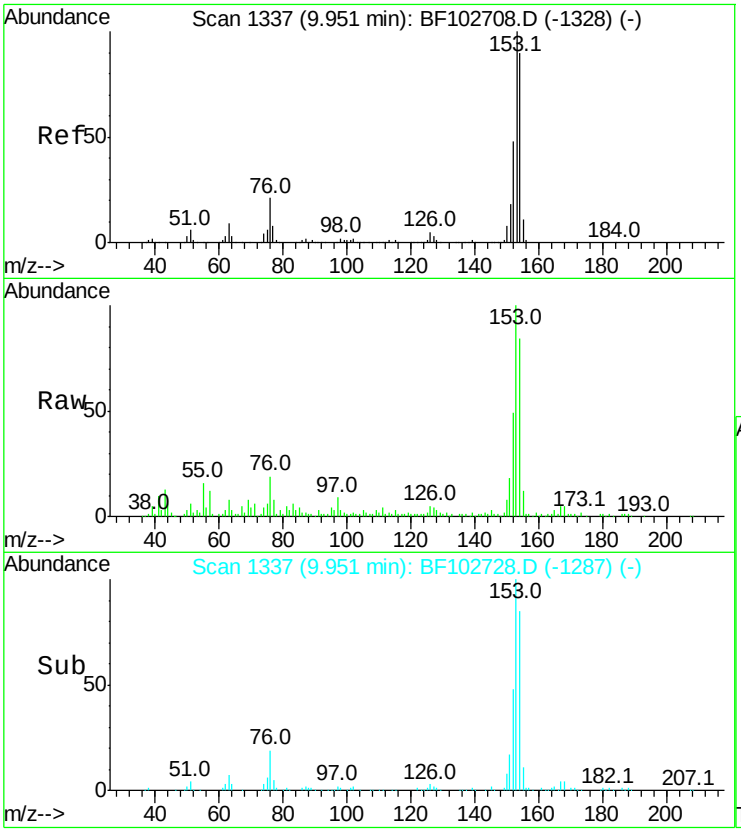


#44
2-Fluorobiphenyl
Concen: 16.651 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:172 Resp: 465462

Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	23.6	19.6	29.4



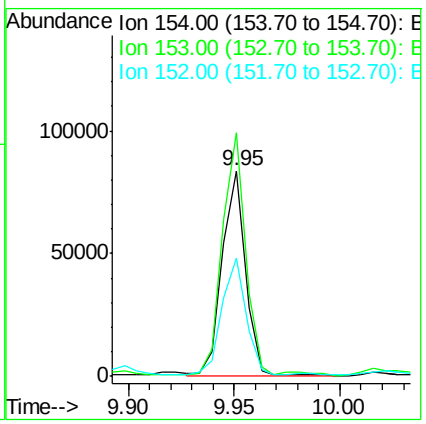


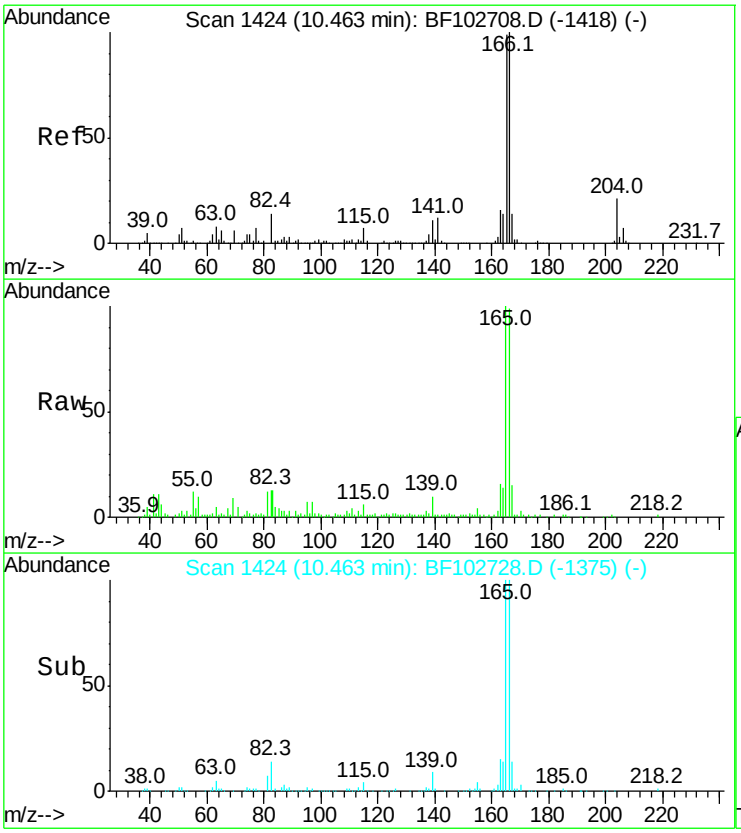
#51
Acenaphthene
Concen: 2.258 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 64518

Ion	Ratio	Lower	Upper
154	100		
153	118.4	91.2	136.8
152	57.4	43.8	65.8

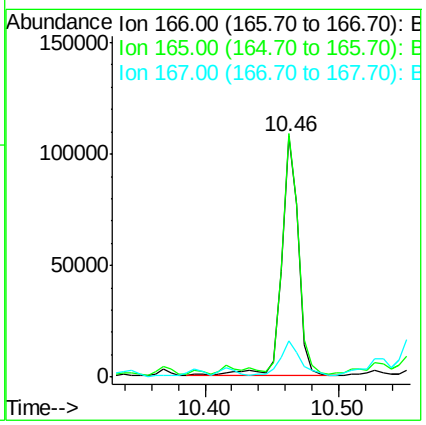


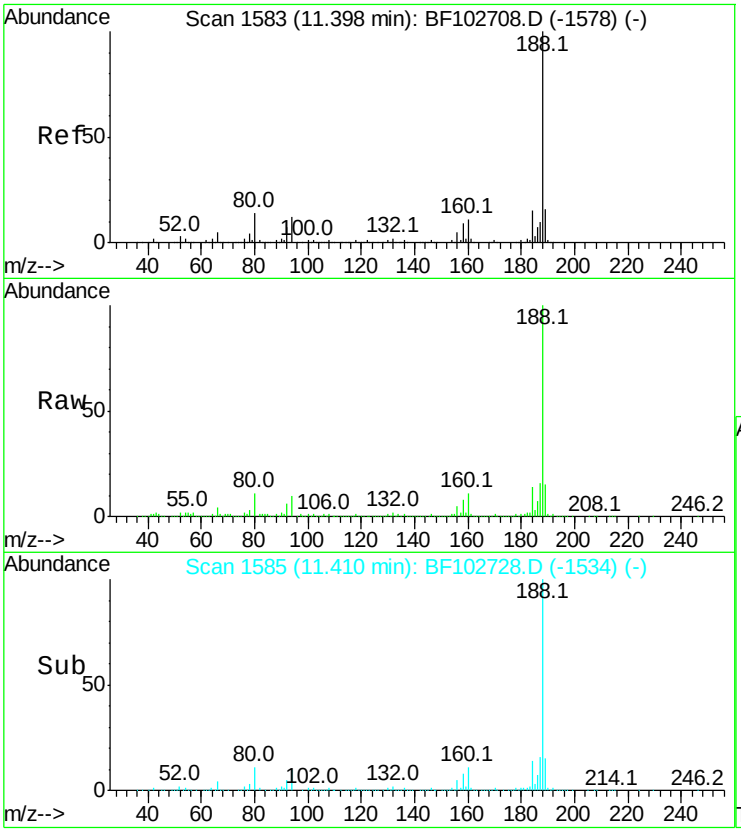


#57
Fluorene
Concen: 3.204 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:166 Resp: 93851

Ion	Ratio	Lower	Upper
166	100		
165	101.3	79.8	119.8
167	15.0	10.6	16.0



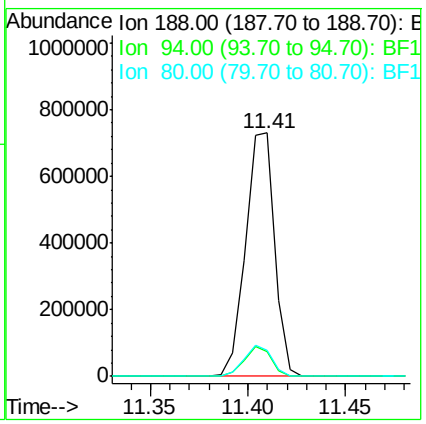


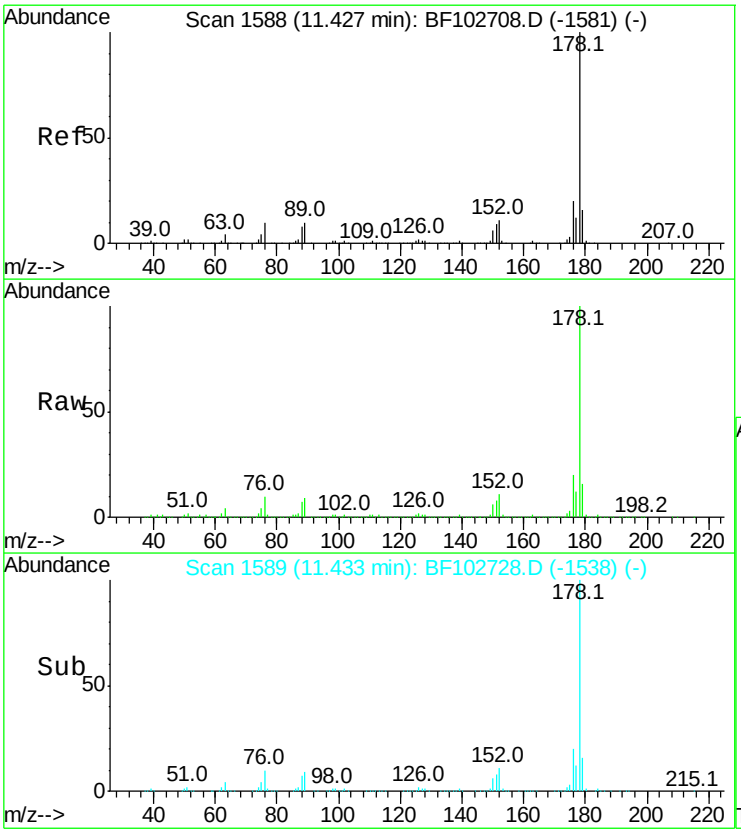
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 751768

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	10.9	9.2	13.8

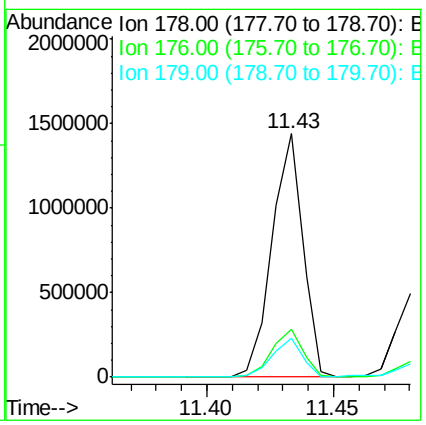


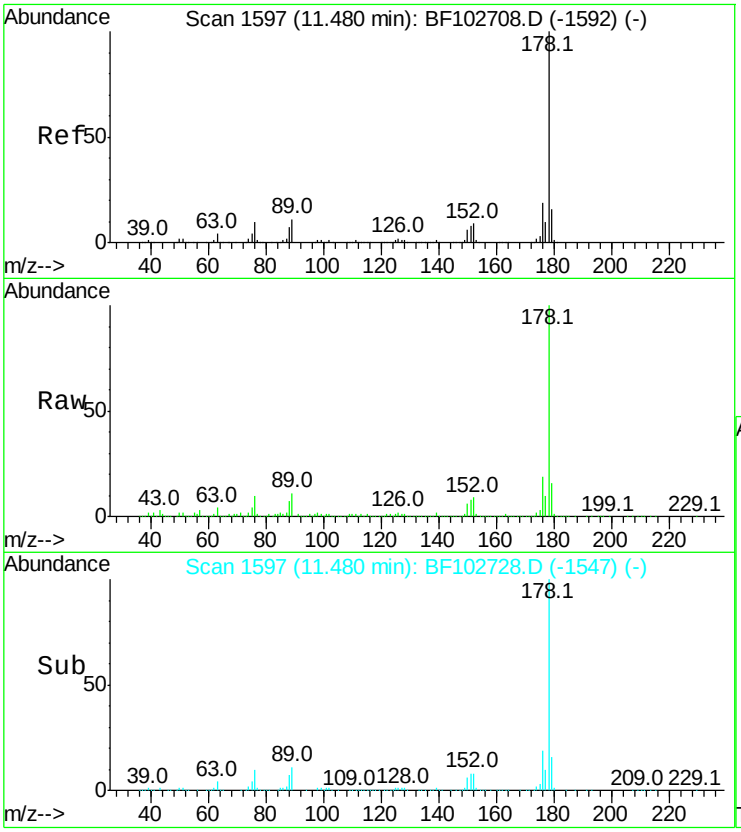


#70
Phenanthrene
Concen: 29.120 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:178 Resp: 1219214

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	16.0	13.0	19.6



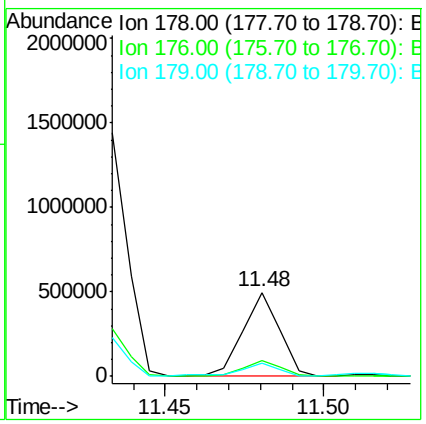


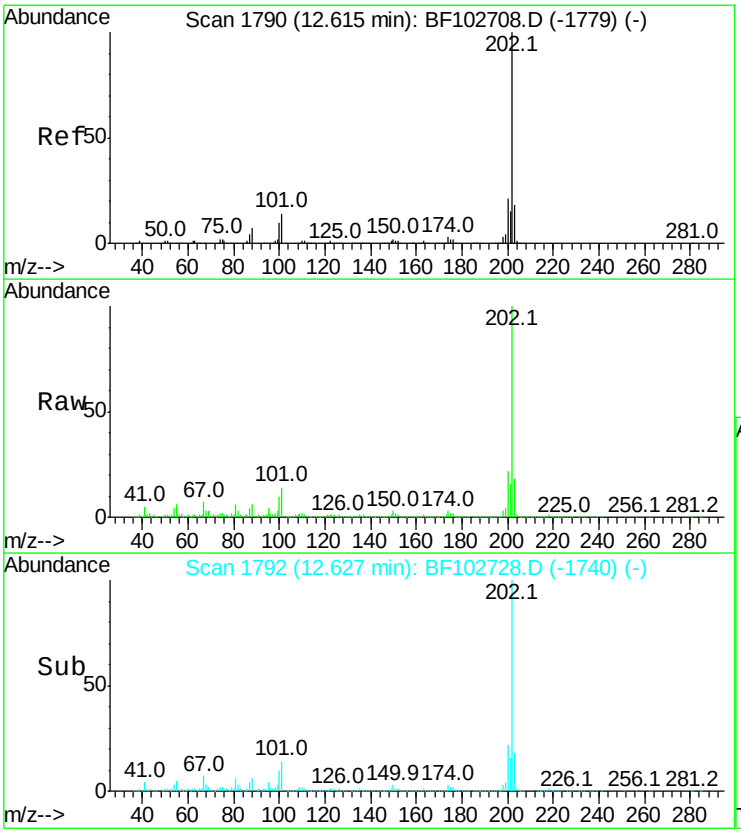
#71
Anthracene
Concen: 9.259 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 394297

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	16.3	12.6	19.0

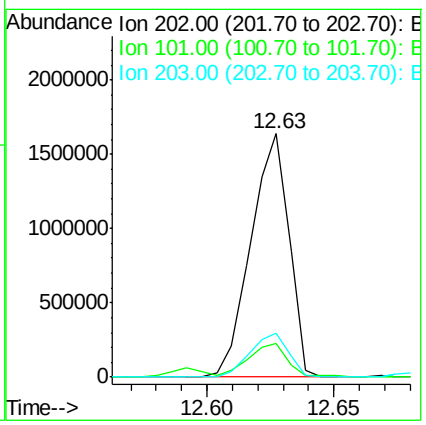


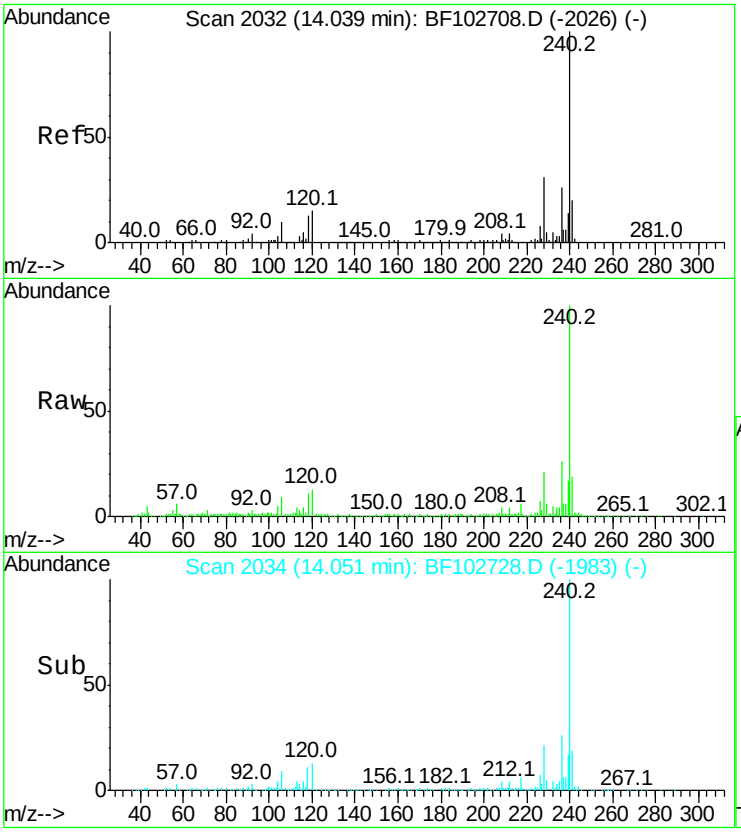


#74
Fluoranthene
Concen: 40.733 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:202 Resp: 1715852

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	34.1
203	17.9	0.0	38.1



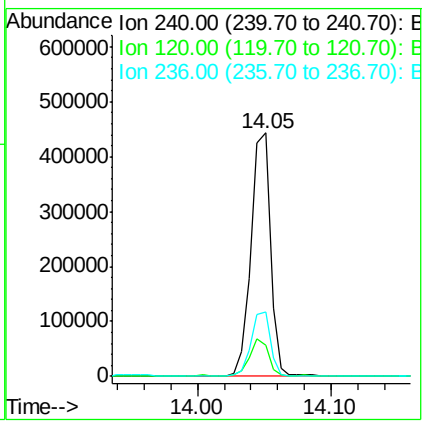


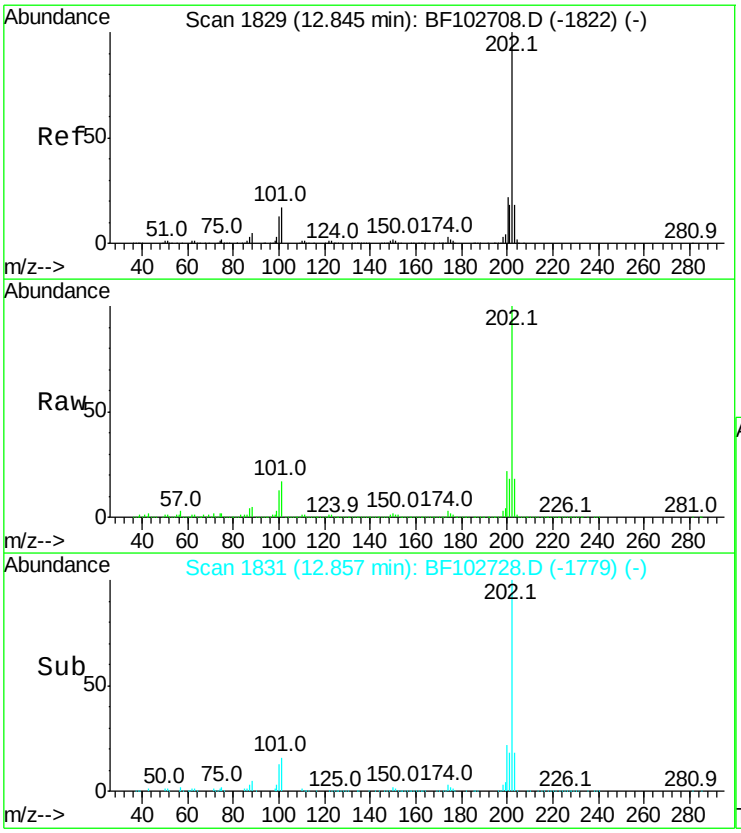
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 440227

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.5	14.3
236	26.5	20.7	31.1

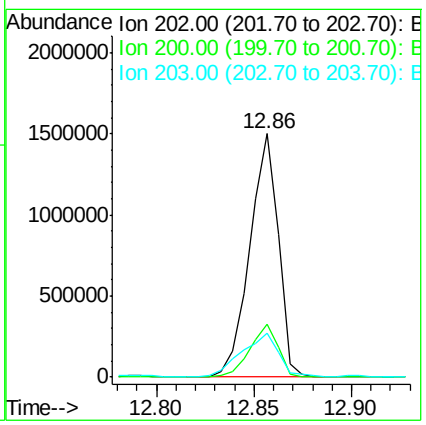


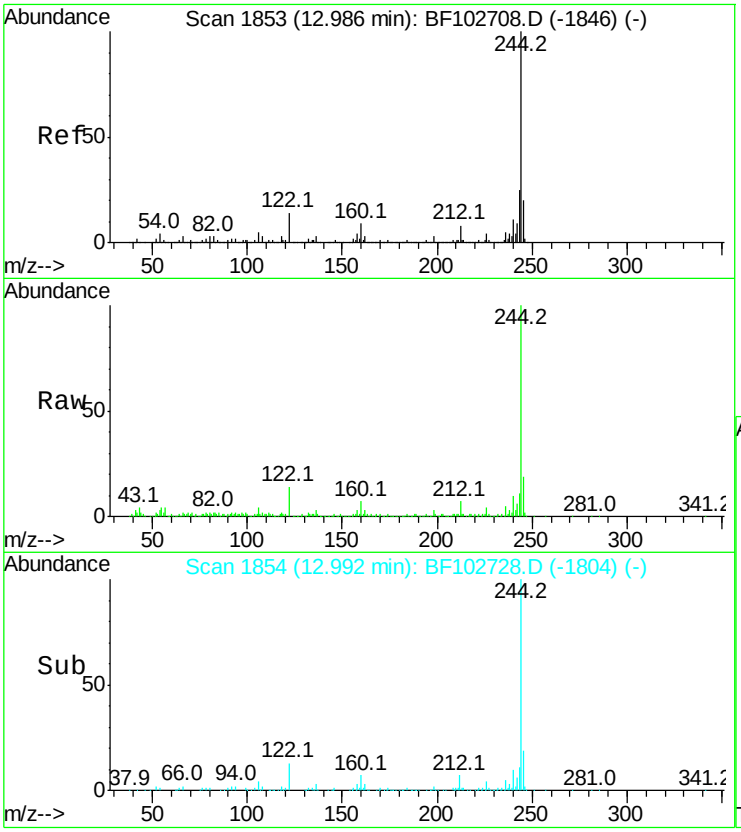


#77
Pyrene
Concen: 43.848 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:202 Resp: 1513669

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.2	14.3	21.5



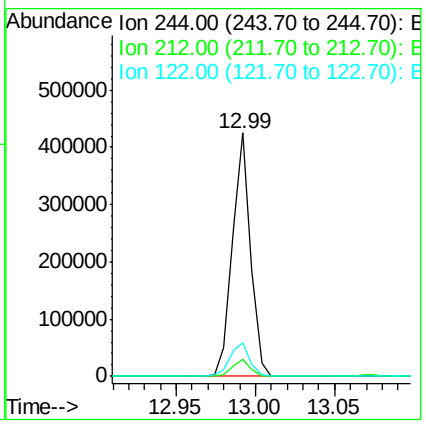


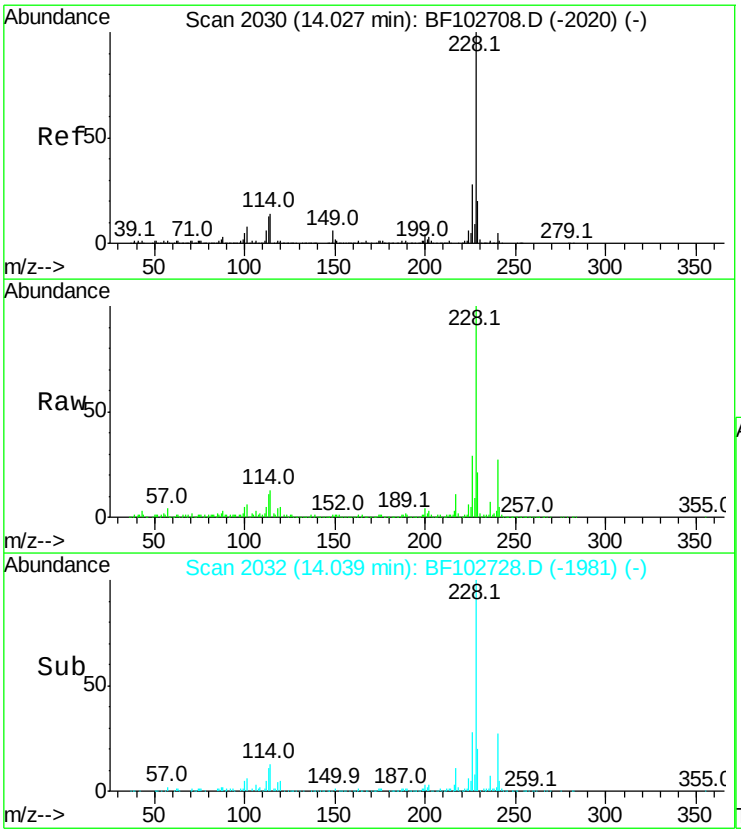
#78
Terphenyl-d14
Concen: 18.150 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 337461

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.7	11.0	16.4

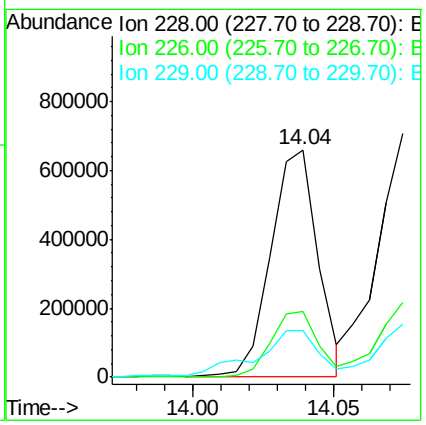


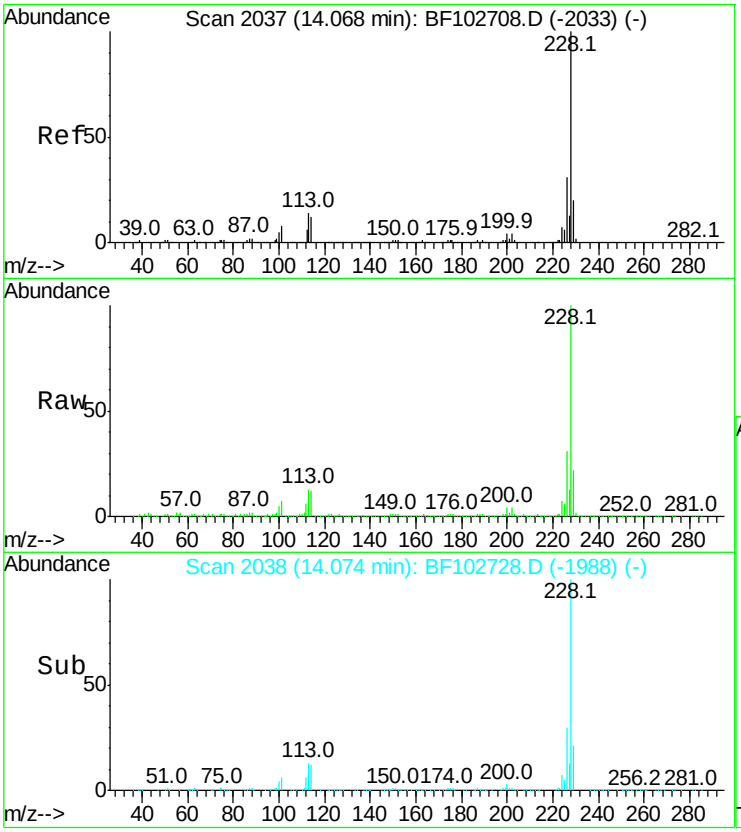


#80
Benzo(a)anthracene
Concen: 27.216 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:228 Resp: 753500

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.7	15.8	23.6



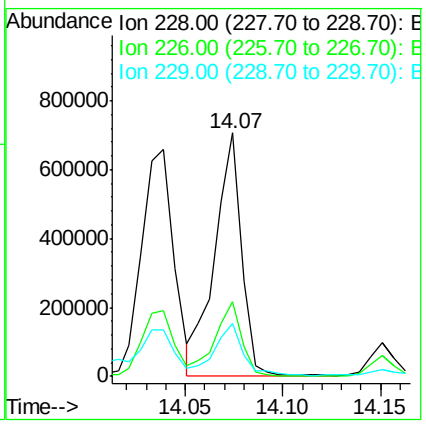


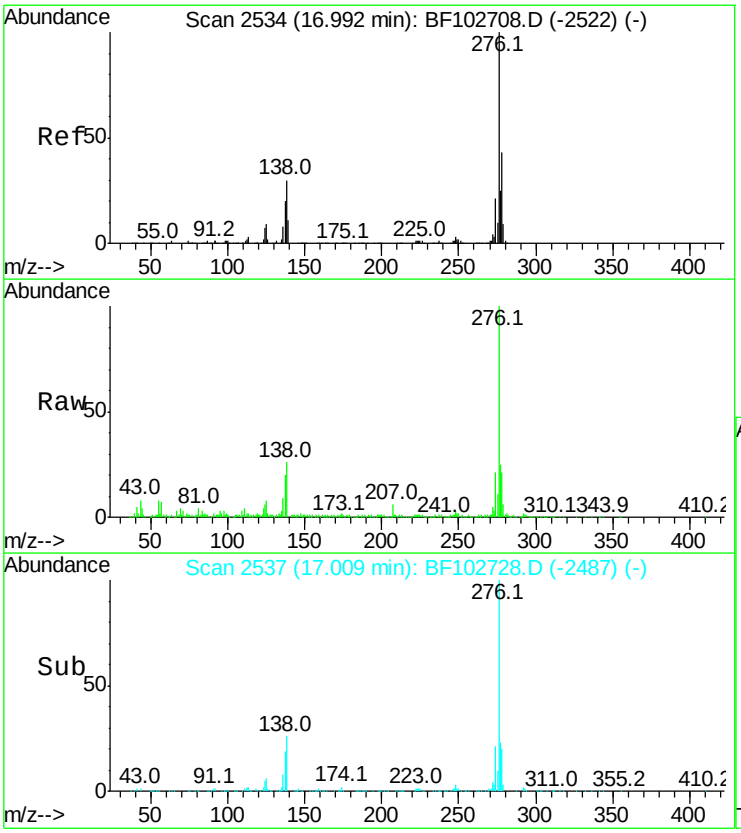
#82
Chrysene
Concen: 24.053 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 671308

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.9	16.2	24.4

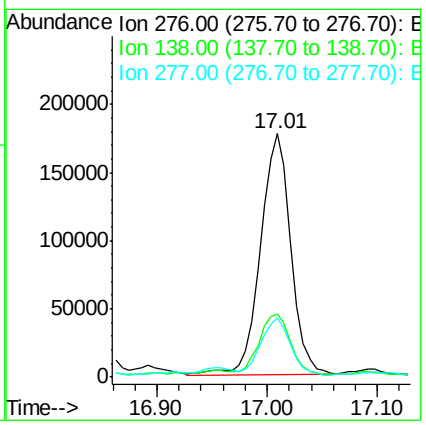


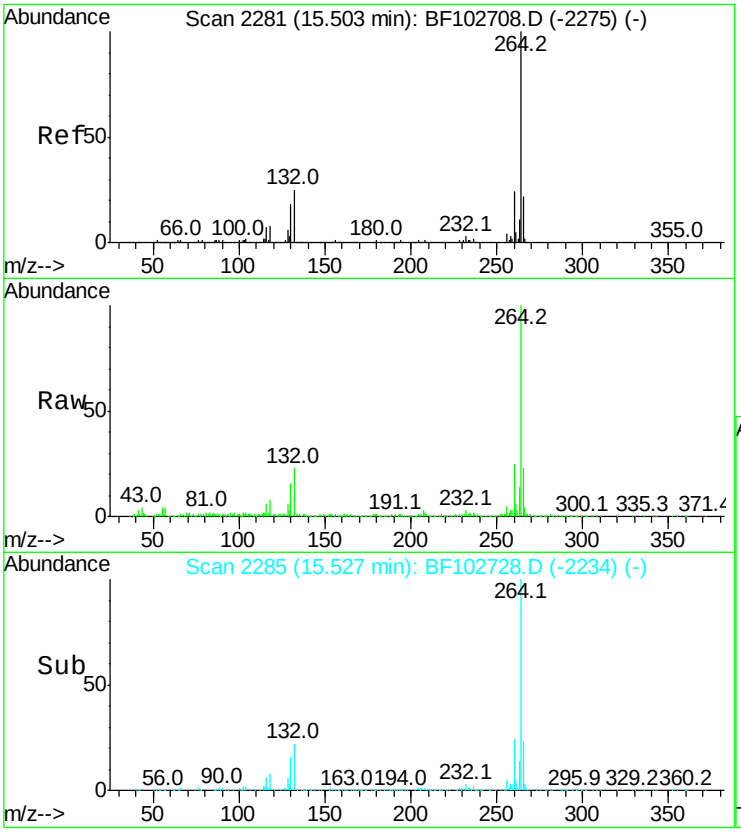


#85
Indeno(1,2,3-cd)pyrene
Concen: 14.691 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:276 Resp: 340061

Ion	Ratio	Lower	Upper
276	100		
138	26.0	25.0	37.6
277	22.9	20.1	30.1



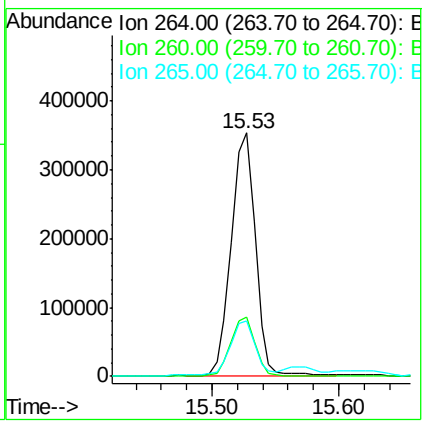


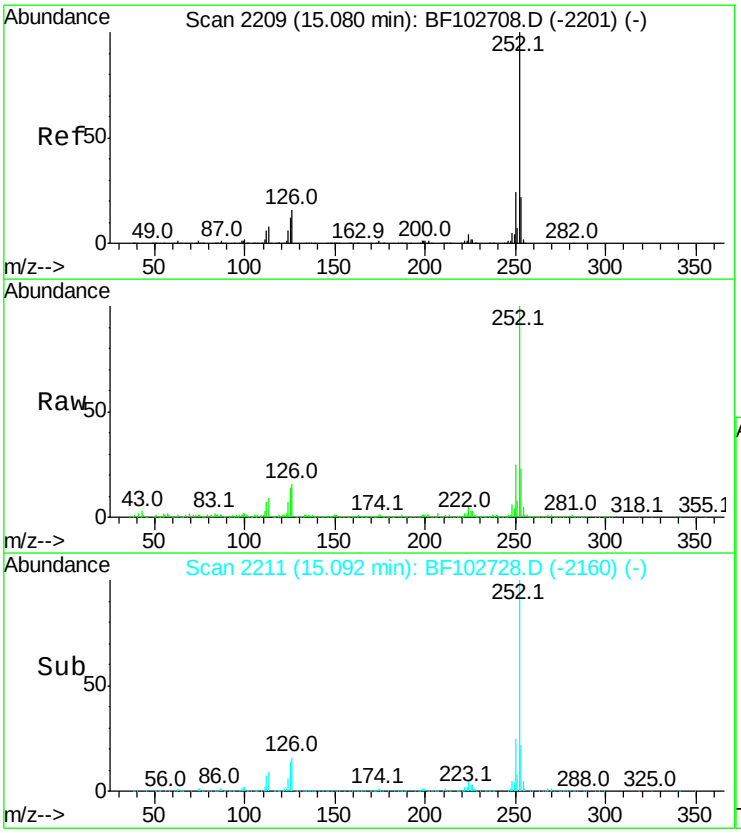
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 462632

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.8	17.5	26.3

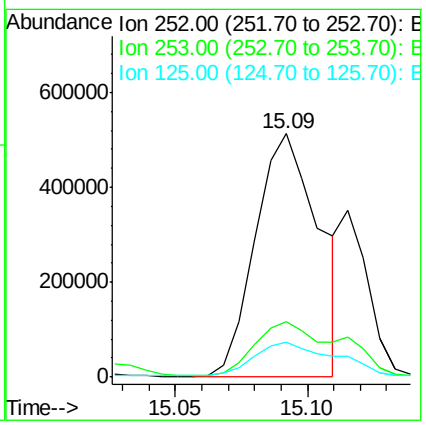


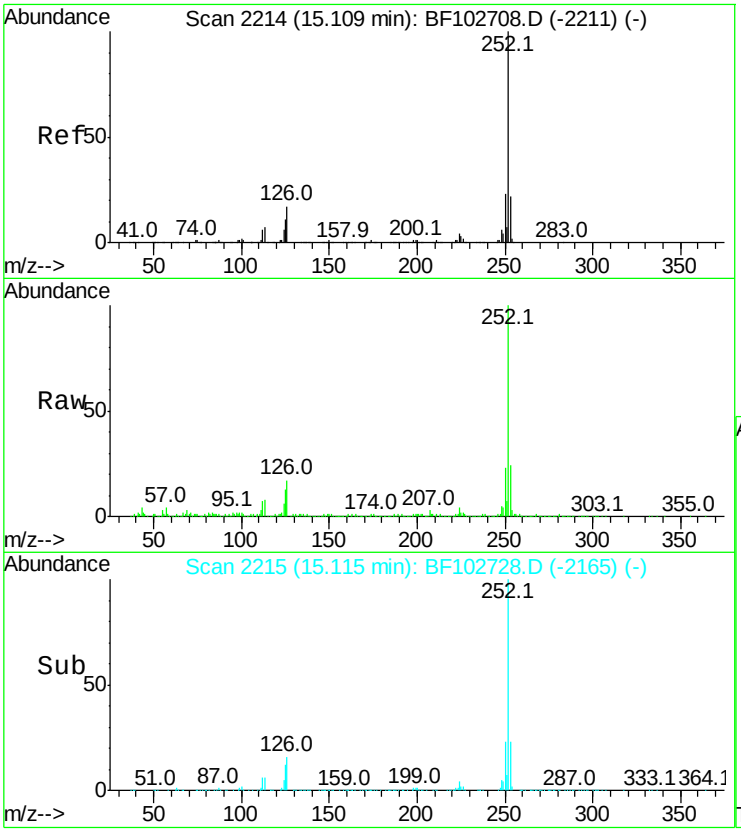


#87
Benzo(b)fluoranthene
Concen: 28.619 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:252 Resp: 858412

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	14.2	9.0	13.6#



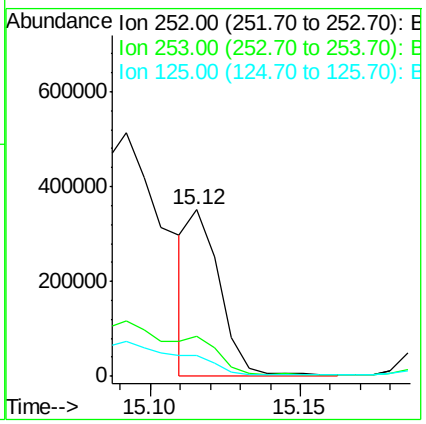


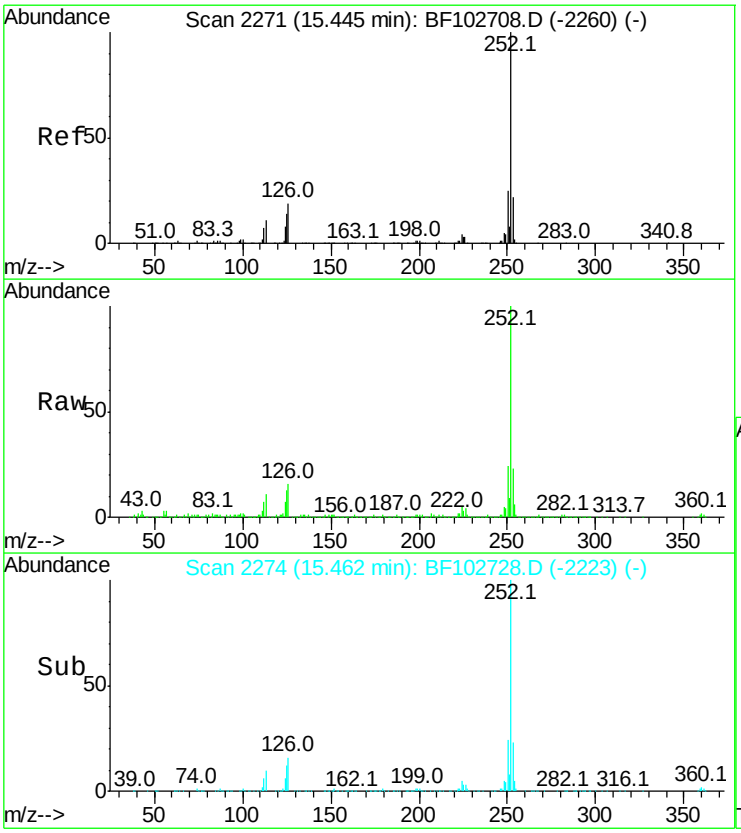
#88
Benzo(k)fluoranthene
Concen: 8.983 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 257450

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	12.8	10.2	15.2

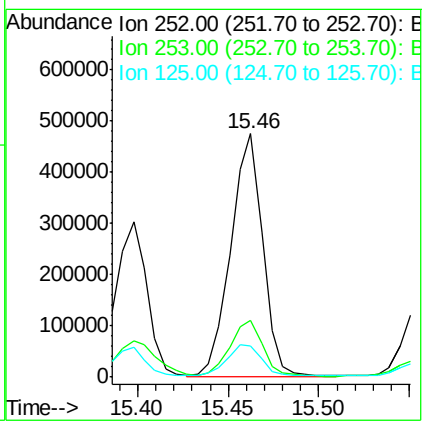


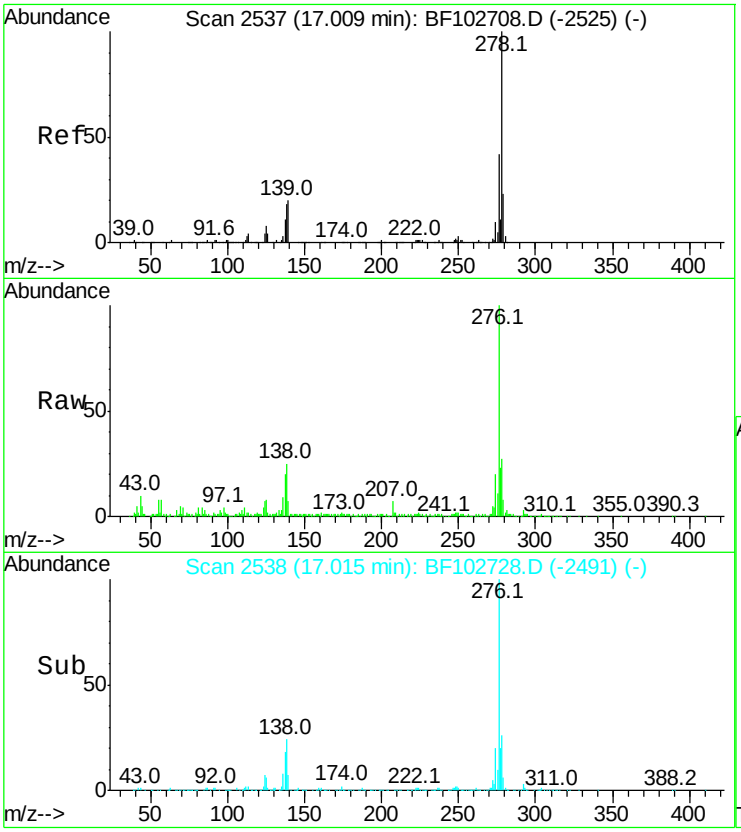


#89
Benzo(a)pyrene
Concen: 21.404 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.00 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:252 Resp: 577862

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	13.0	9.8	14.6



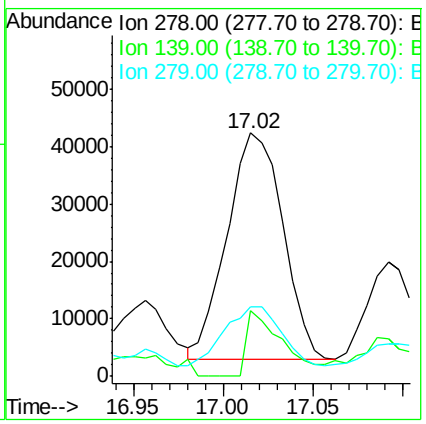


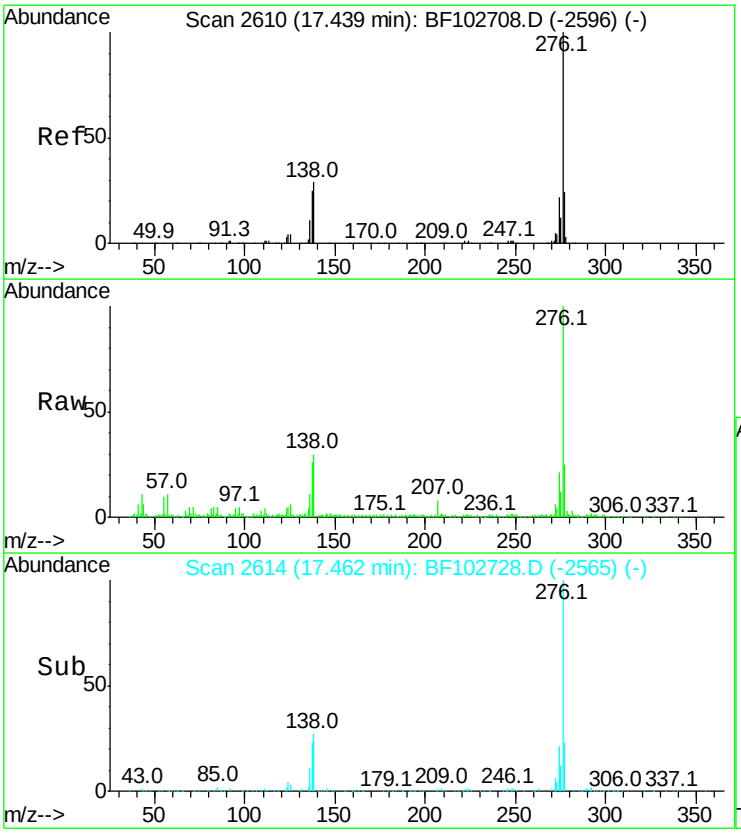
#90
Dibenzo(a,h)anthracene
Concen: 3.885 ng m
RT: 17.02 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 85140

Ion	Ratio	Lower	Upper
278	100		
139	27.0	15.9	23.9#
279	28.6	19.0	28.4#





#91
Benzo(g,h,i)perylene
Concen: 13.264 ng
RT: 17.46 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BF102728.D
Acq: 5 Feb 2018 10:37

Tgt Ion:276 Resp: 284506

Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	29.7	21.8	32.8