Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104095.D
Acq On : 30 Mar 2018 16:27
Operator : JU/SJ
Sample : J2139-10 50X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Mar 30 17:22:23 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 30 17:20:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	104087	20.00	ng		0.00
21) Naphthalene-d8	8.24	136	439170	20.00	ng		0.00
38) Acenaphthene-d10	9.99	164	224213	20.00	ng		0.00
63) Phenanthrene-d10	11.49	188	394729	20.00	ng		0.00
75) Chrysene-d12	14.15	240	283893	20.00	ng		0.00
86) Perylene-d12	15.69	264	253799	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.67	112	1948	0.30	ng		0.09
7) Phenol-d6	6.63	99	3203	0.40	ng		0.04
23) Nitrobenzene-d5	7.55	82	3404	0.47	ng		0.02
41) 2,4,6-Tribromophenol	10.79	330	3813	1.53	ng		0.00
44) 2-Fluorobiphenyl	9.31	172	20482	1.44	ng		0.00
78) Terphenyl-d14	13.07	244	24948	2.03	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.51	77	910	Below Cal		#	1
20) 3+4-Methylphenols	7.37	107	22768	3.061	ng		89
31) Naphthalene	8.27	128	2761672	128.719	ng		99
33) 4-Chloroaniline	8.27	127	369970	40.902	ng	#	36
35) Caprolactam	8.95	113	11013	5.846	ng	#	1
37) 2-Methylnaphthalene	8.95	142	603395	42.696	ng		98
45) 1,1'-Biphenyl	9.41	154	157084	8.163	ng		99
48) Acenaphthylene	9.86	152	543011	23.613	ng		100
51) Acenaphthene	10.03	154	148682	11.176	ng		100
53) 2,4-Dinitrophenol	10.28	184	109	5.633	ng	#	24
54) Dibenzofuran	10.20	168	380333	19.578	ng		99
55) 4-Nitrophenol	10.20	139	147668	56.253	ng	#	10
57) Fluorene	10.55	166	554428	34.598	ng		100
70) Phenanthrene	11.53	178	2018219	94.437	ng		99
71) Anthracene	11.57	178	856724	38.379	ng		99
72) Carbazole	11.73	167	201004	9.434	ng		99
74) Fluoranthene	12.72	202	1515401	66.710	ng		99
77) Pyrene	12.95	202	1435692	70.350	ng		100
80) Benzo(a)anthracene	14.17	228	497457	28.004	ng		94
82) Chrysene	14.17	228	497457	28.592	ng		98
85) Indeno(1,2,3-cd)pyrene	17.26	276	187879	10.421	ng	#	88
87) Benzo(b)fluoranthene	15.23	252	622253	40.286	ng		96
88) Benzo(k)fluoranthene	15.23	252	622253	42.766	ng		99
89) Benzo(a)pyrene	15.62	252	393784	27.511	ng		97
90) Dibenzo(a,h)anthracene	17.46	278	41167	3.111	ng		95
91) Benzo(g,h,i)perylene	17.74	276	176503	13.316	ng		94

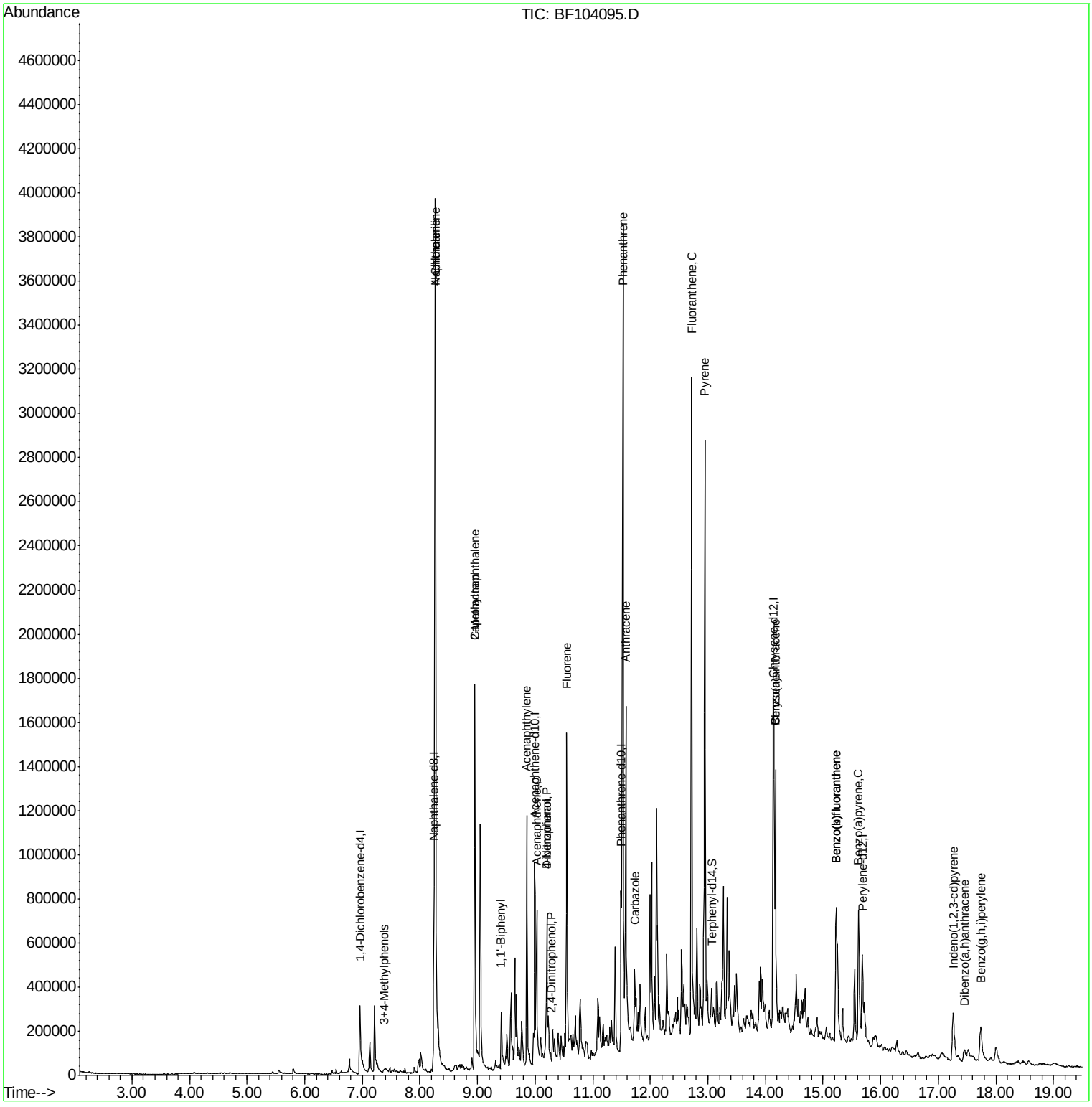
(#) = qualifier out of range (m) = manual integration (+) = signals summed

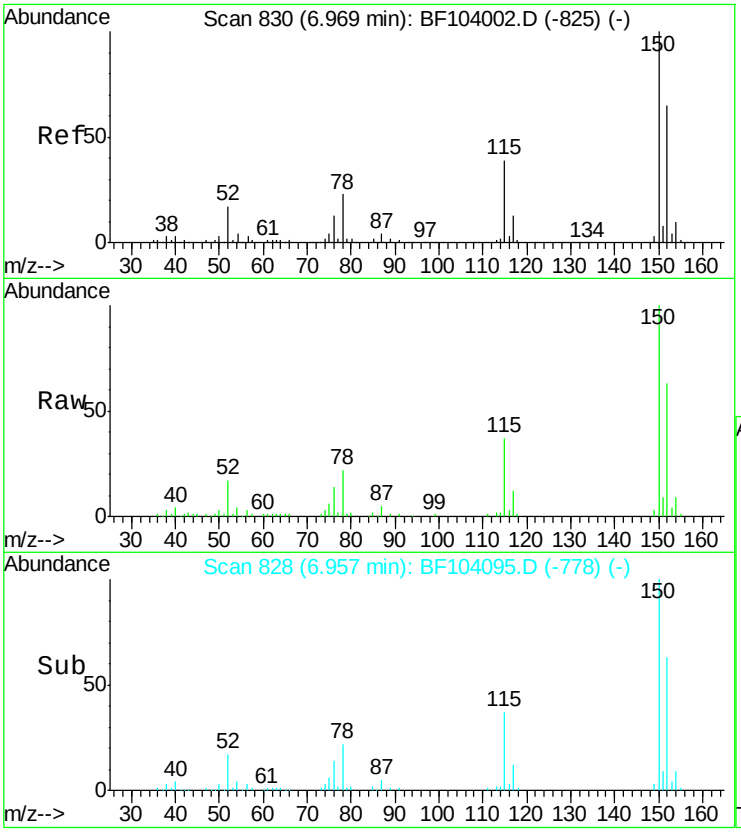
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104095.D
Acq On : 30 Mar 2018 16:27
Operator : JU/SJ
Sample : J2139-10 50X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 30 17:22:23 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 30 17:20:53 2018
Response via : Initial Calibration



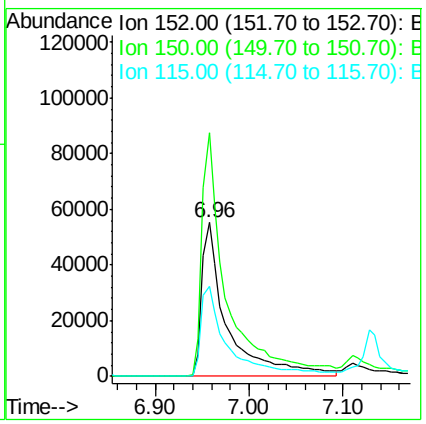


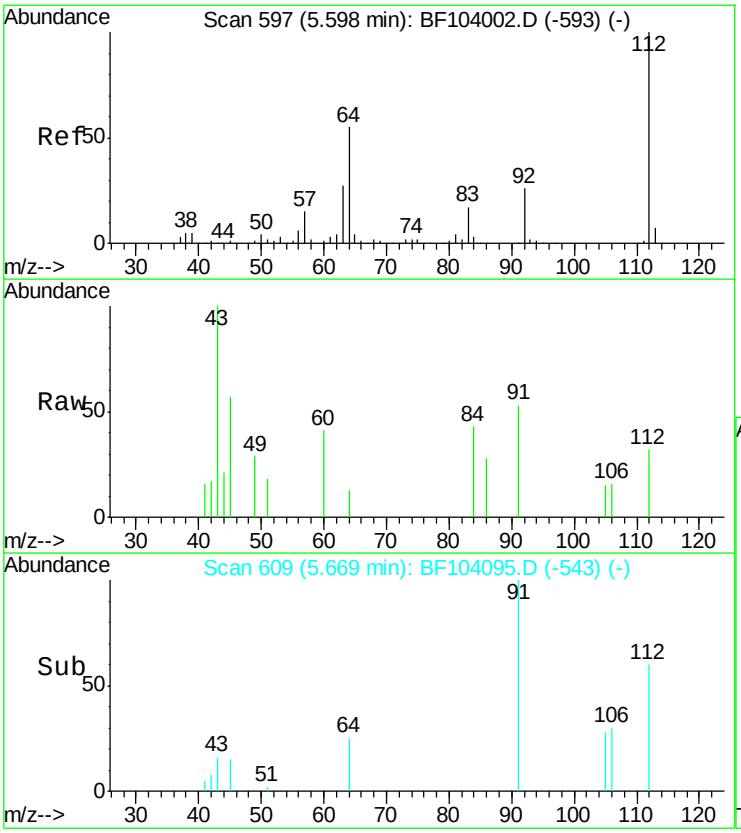
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 104087

Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.6	186.8
115	58.8	50.1	75.1

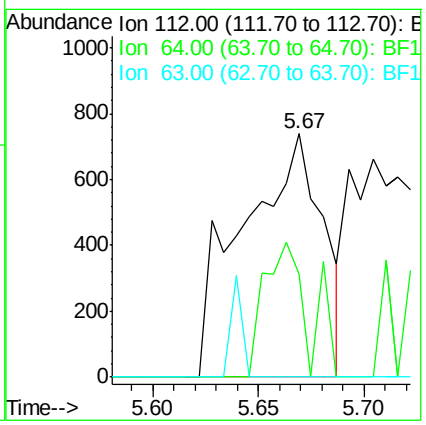


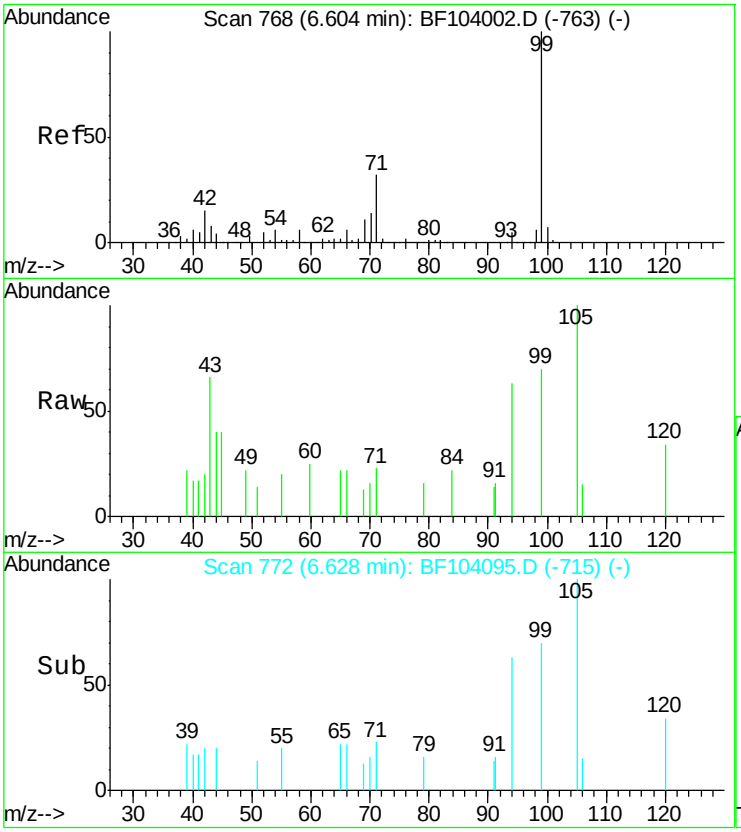


#5
2-Fluorophenol
Concen: 0.298 ng
RT: 5.67 min Scan# 609
Delta R.T. 0.09 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:112 Resp: 1948

Ion	Ratio	Lower	Upper
112	100		
64	42.4	47.9	71.9#
63	0.0	23.7	35.5#



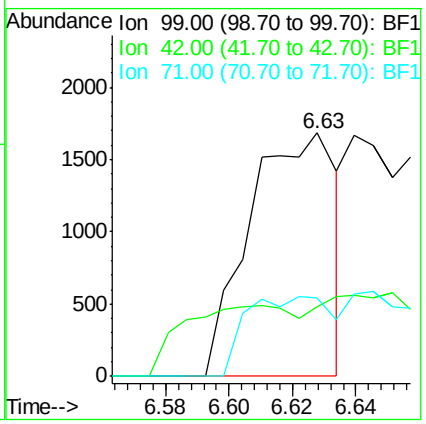


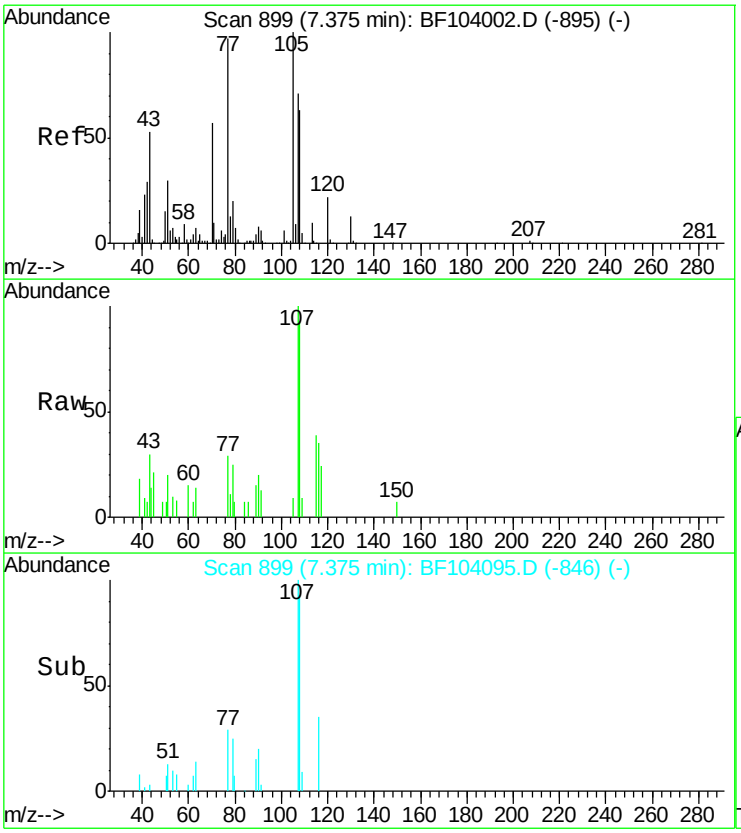
#7
Phenol-d6
Concen: 0.399 ng
RT: 6.63 min Scan# 772
Delta R.T. 0.04 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 3203

Ion	Ratio	Lower	Upper
99	100		
42	28.6	14.5	21.7#
71	32.4	25.4	38.0

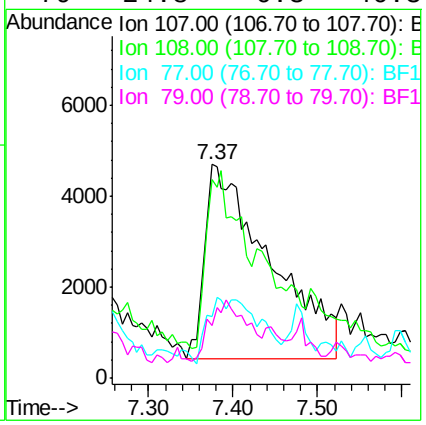


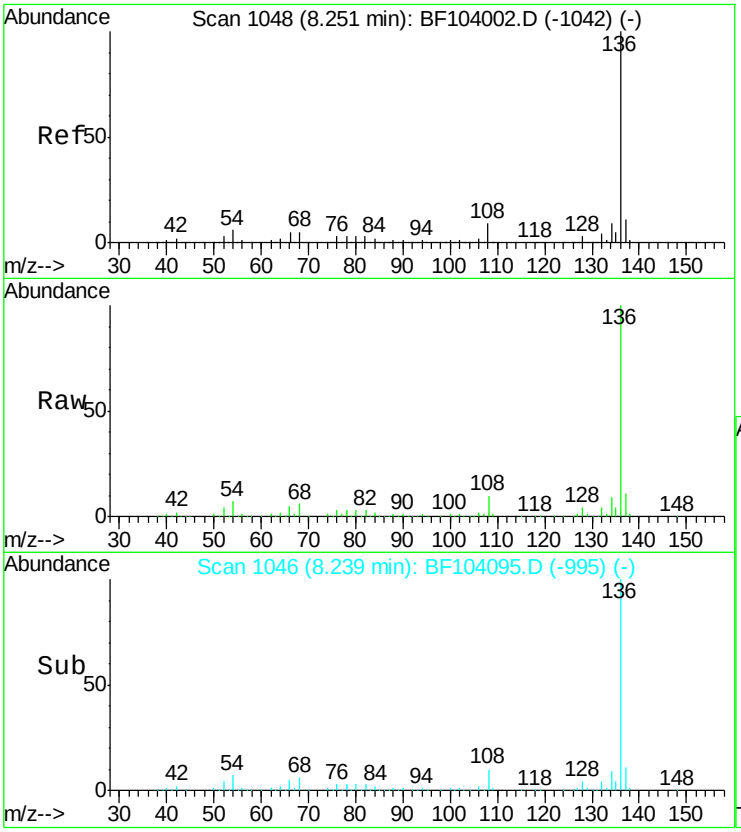


#20
3+4-Methylphenols
Concen: 3.061 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:107 Resp: 22768

Ion	Ratio	Lower	Upper
107	100		
108	92.8	68.2	108.2
77	28.6	26.7	66.7
79	24.8	6.3	46.3



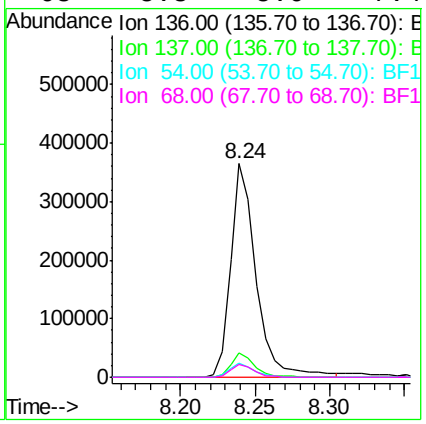


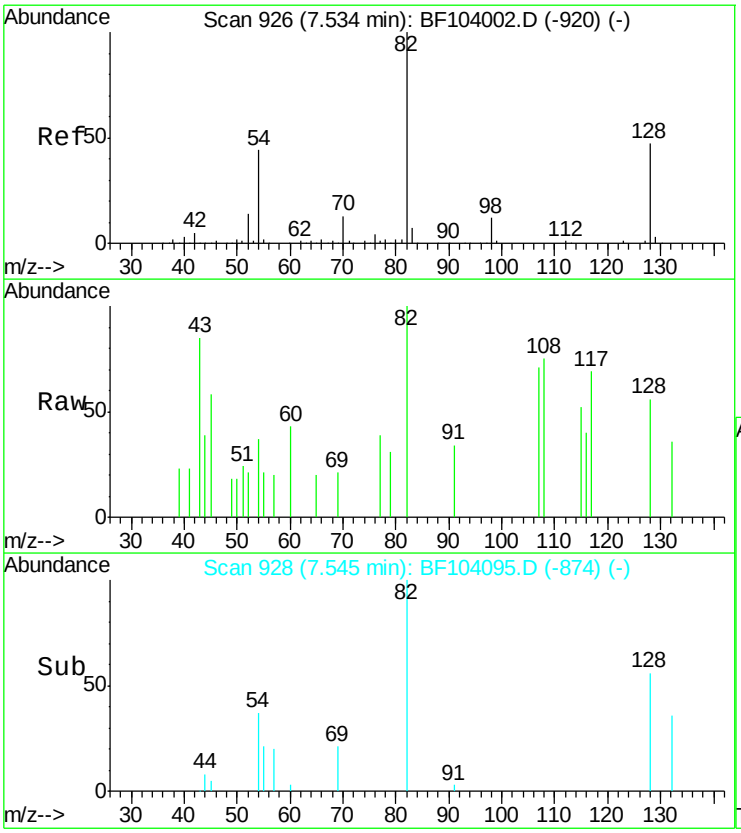
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 439170

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	6.7	6.6	9.8
68	5.8	5.0	7.4

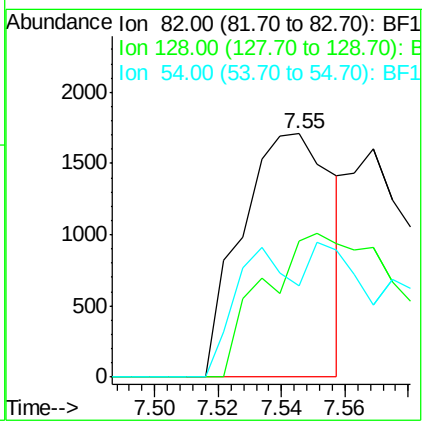


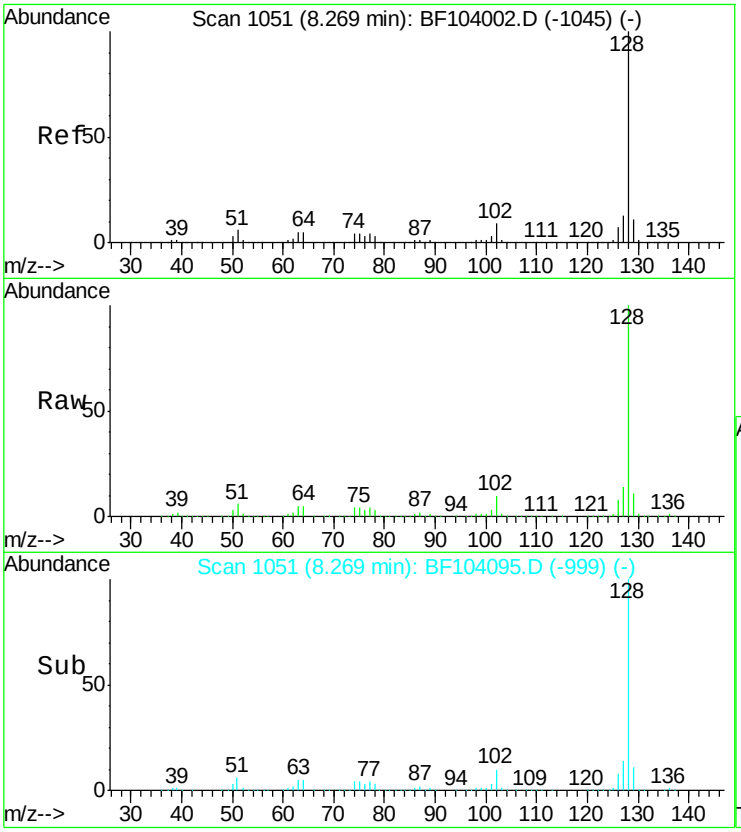


#23
Nitrobenzene-d5
Concen: 0.474 ng
RT: 7.55 min Scan# 928
Delta R.T. 0.02 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion: 82 Resp: 3404

Ion	Ratio	Lower	Upper
82	100		
128	55.8	36.1	54.1#
54	37.5	41.4	62.2#



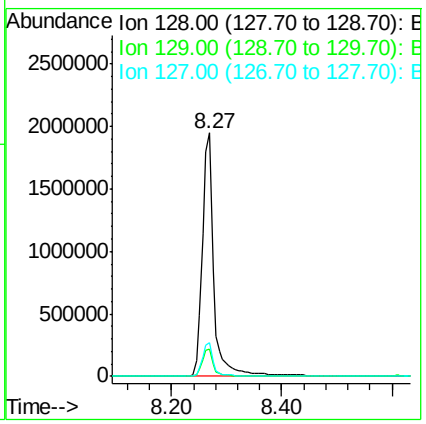


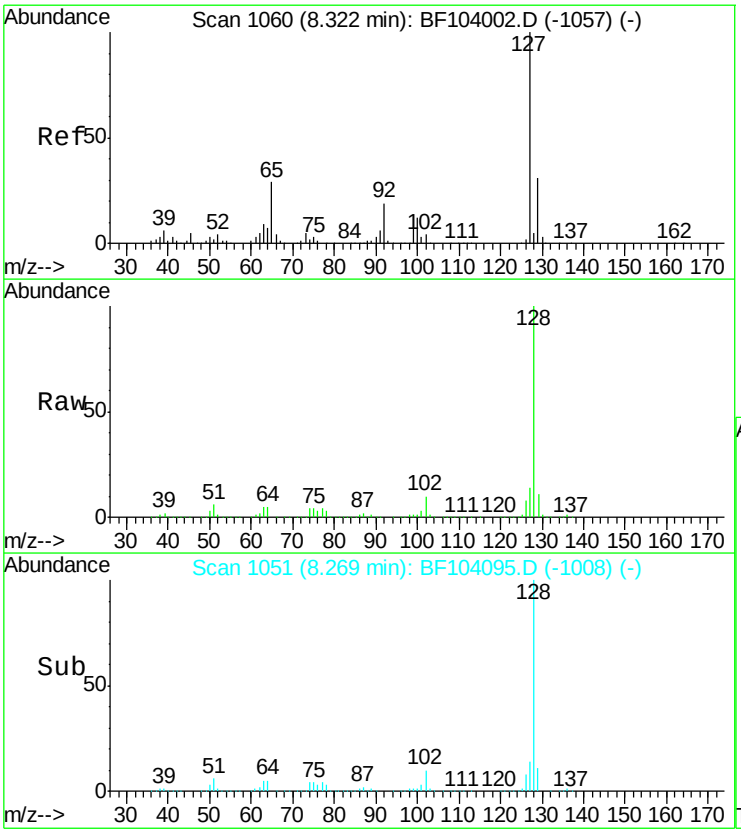
#31
Naphthalene
Concen: 128.719 ng
RT: 8.27 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 2761672

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	14.1	10.9	16.3

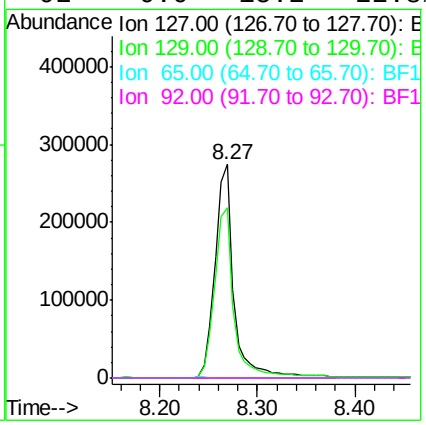


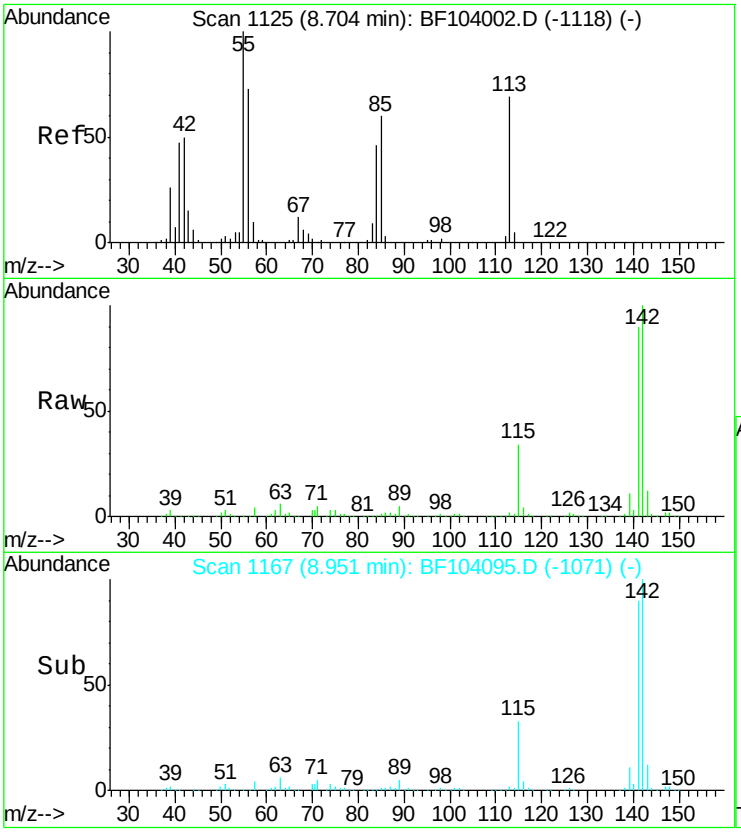


#33
4-Chloroaniline
Concen: 40.902 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.05 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:127 Resp: 369970

Ion	Ratio	Lower	Upper
127	100		
129	80.0	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



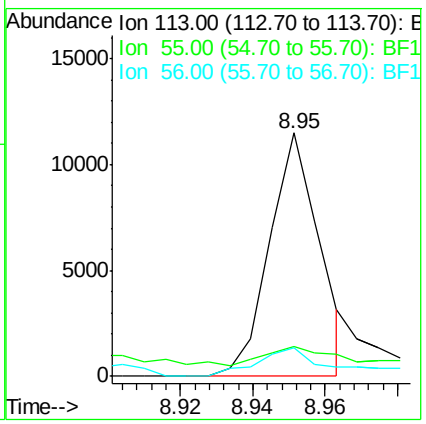


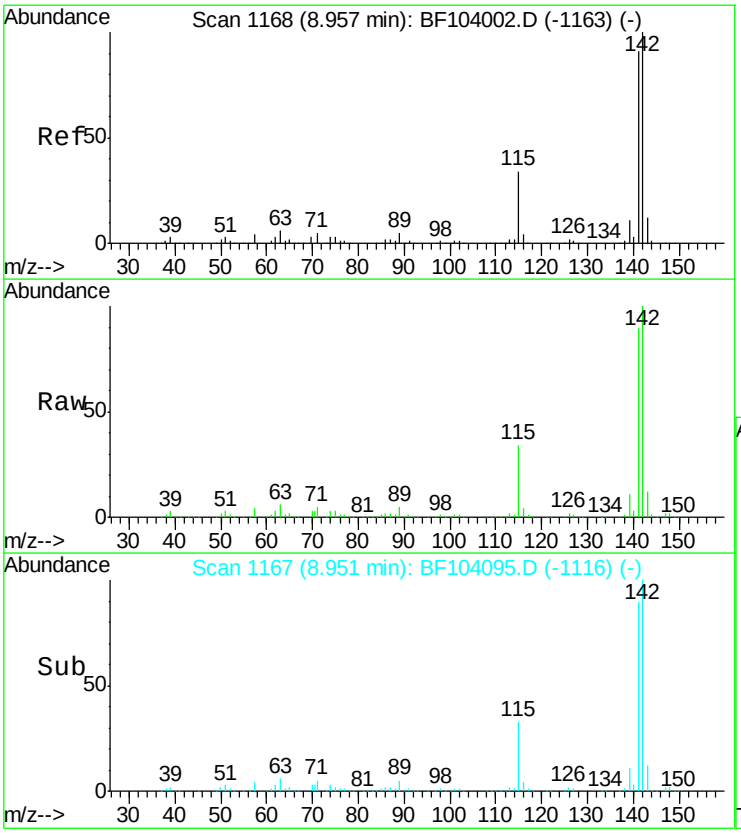
#35
Caprolactam
Concen: 5.846 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.26 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:113 Resp: 11013

Ion	Ratio	Lower	Upper
113	100		
55	12.4	163.3	203.3#
56	11.6	115.7	155.7#

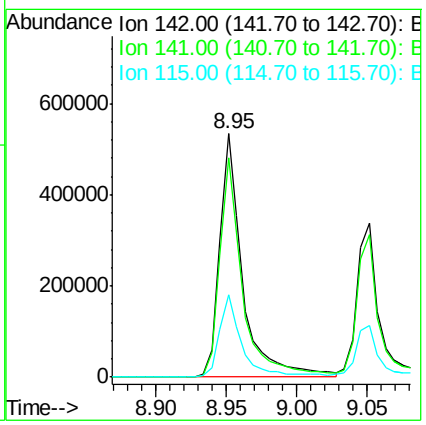


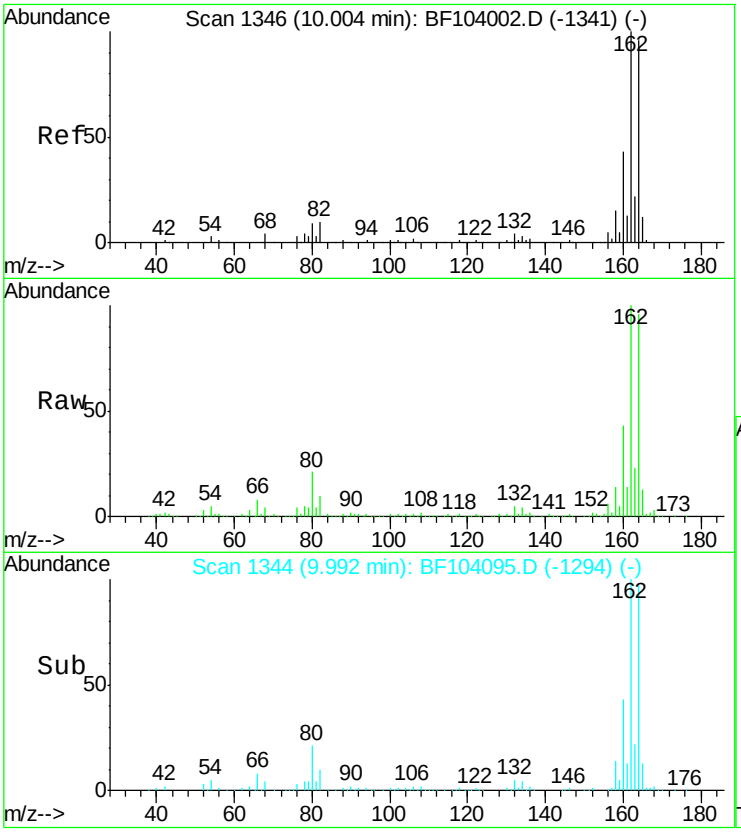


#37
2-Methylnaphthalene
Concen: 42.696 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:142 Resp: 603395

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.8	106.2
115	33.6	26.1	39.1

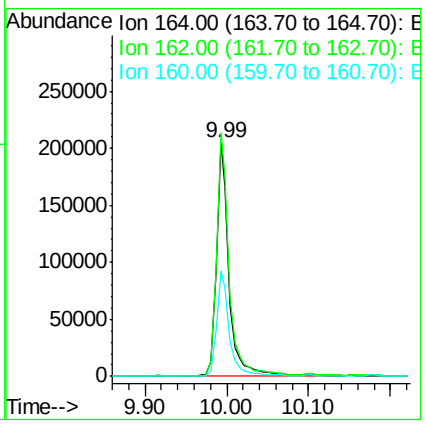




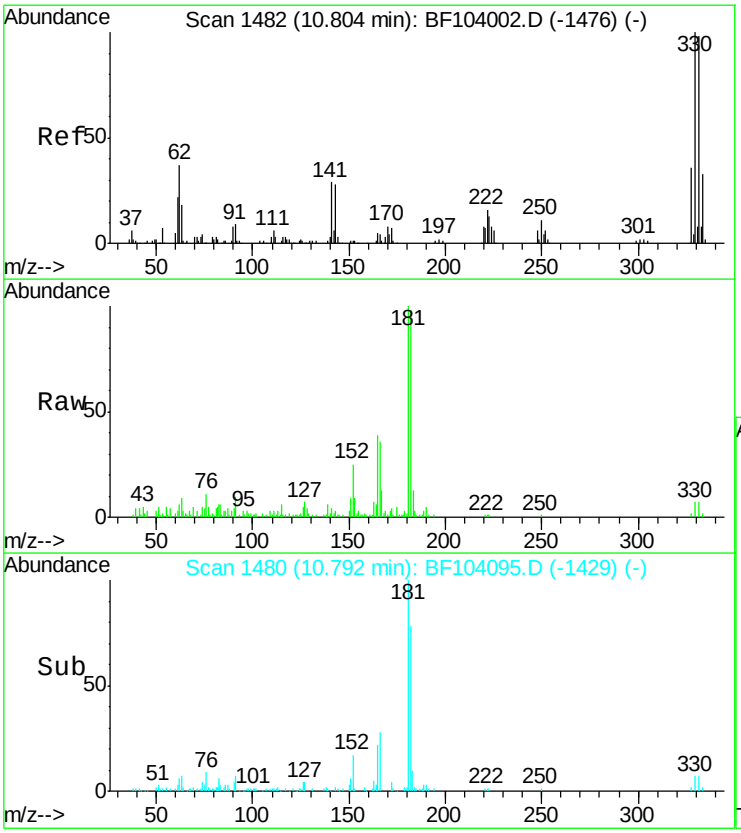
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:164 Resp: 224213

Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	44.9	38.3	57.5



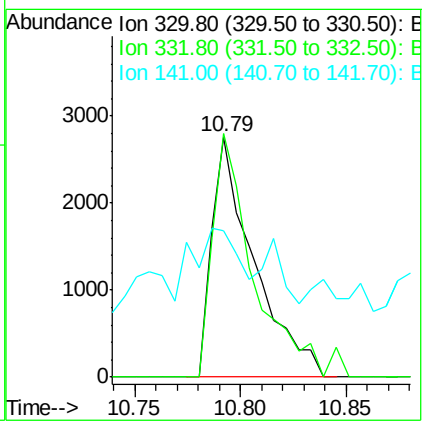
Instrument :
BNA_F
ClientSampleId :

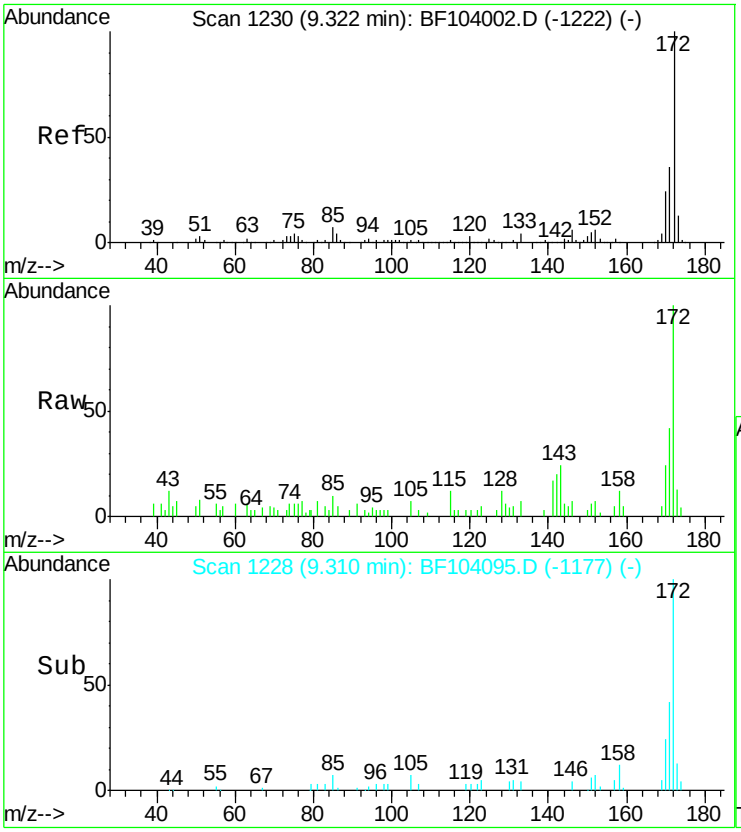


#41
2,4,6-Tribromophenol
Concen: 1.527 ng
RT: 10.79 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:330 Resp: 3813

Ion	Ratio	Lower	Upper
330	100		
332	100.7	77.0	115.6
141	32.1	29.9	44.9



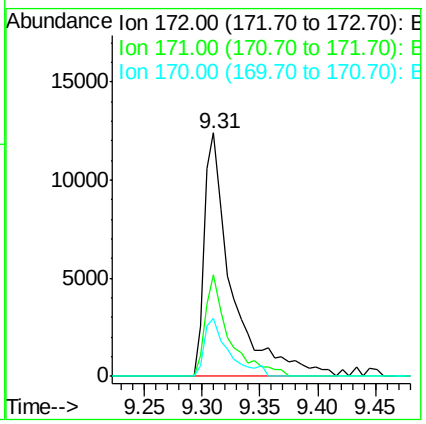


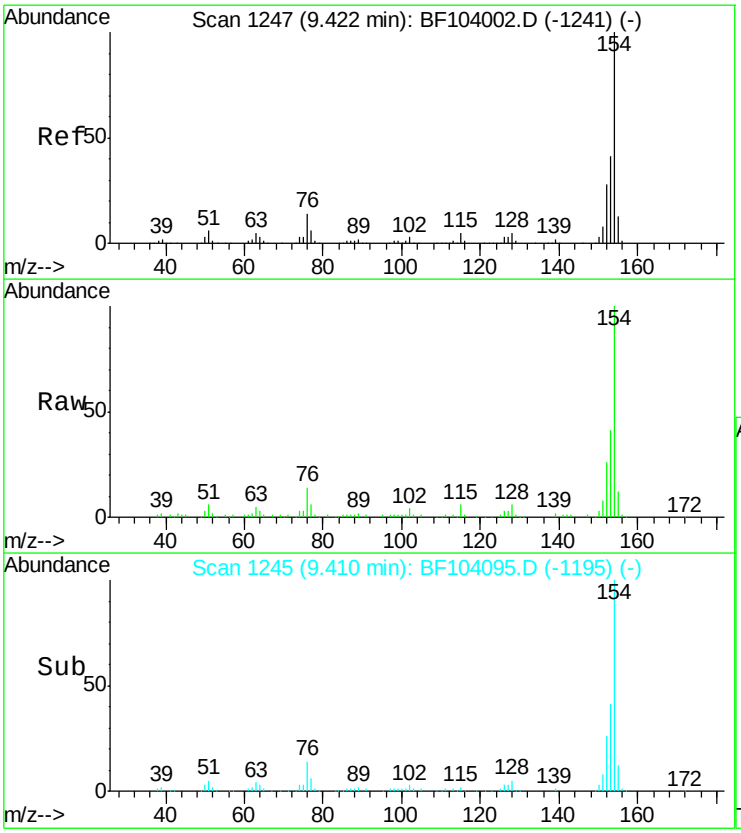
#44
2-Fluorobiphenyl
Concen: 1.441 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 20482

Ion	Ratio	Lower	Upper
172	100		
171	41.6	29.7	44.5
170	23.7	19.6	29.4

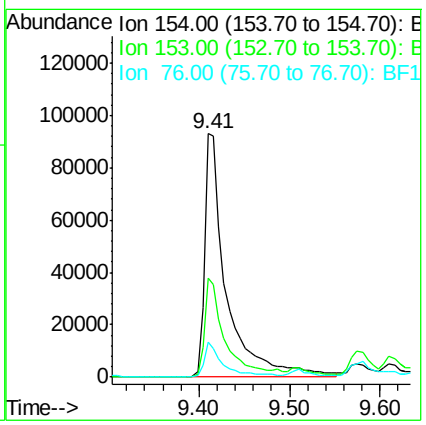


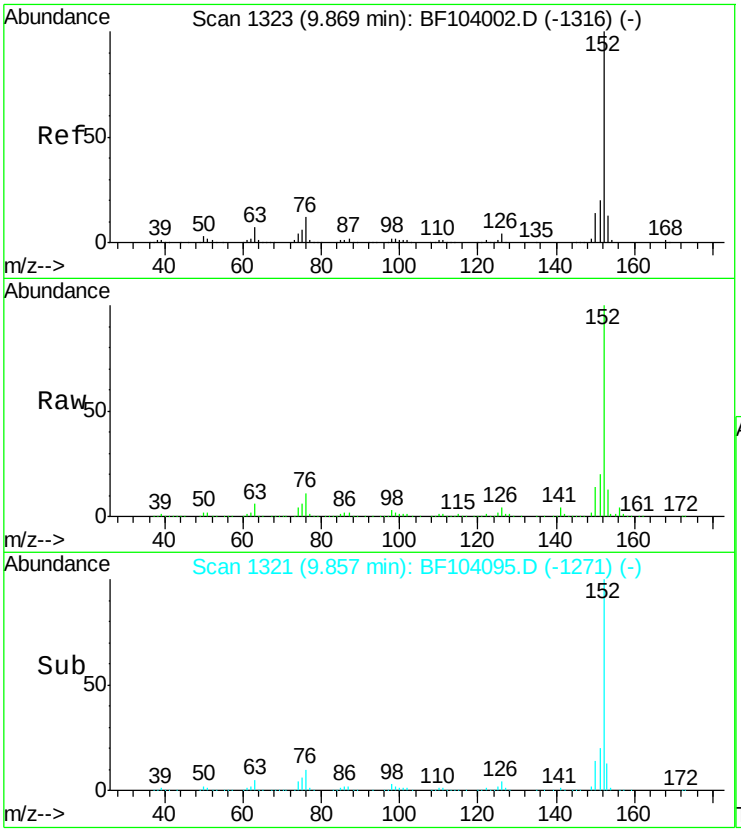


#45
1,1'-Biphenyl
Concen: 8.163 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:154 Resp: 157084

Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.3	61.3
76	14.3	0.0	34.0



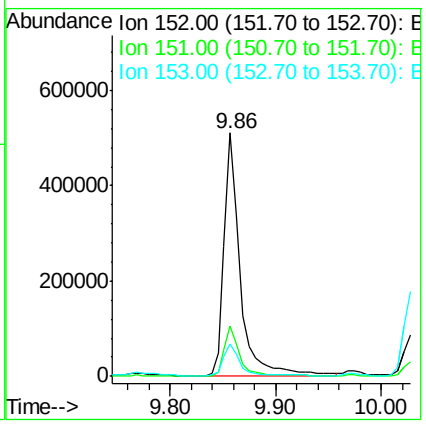


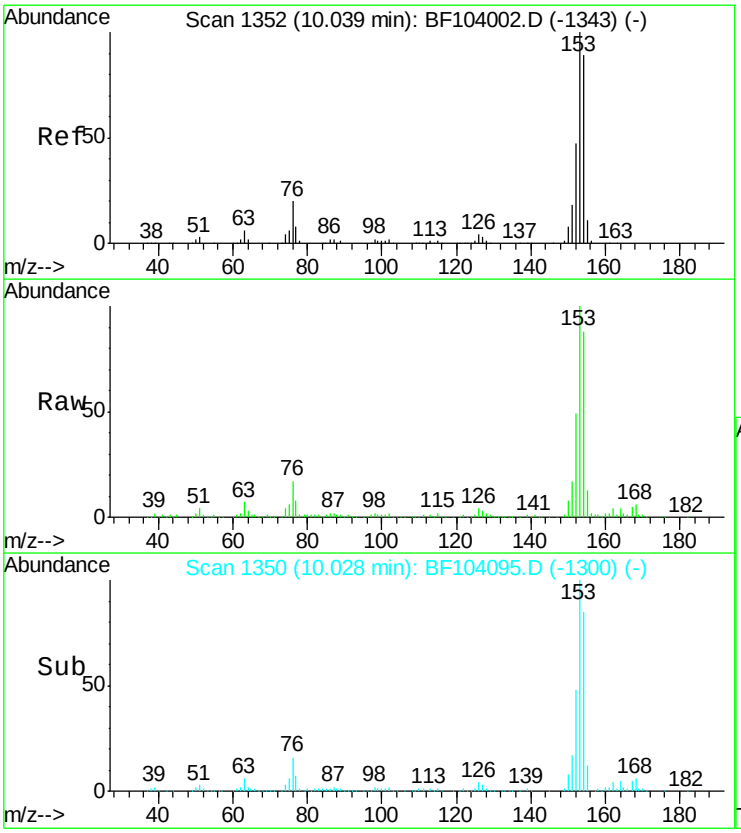
#48
Acenaphthylene
Concen: 23.613 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 543011

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.4	10.7	16.1

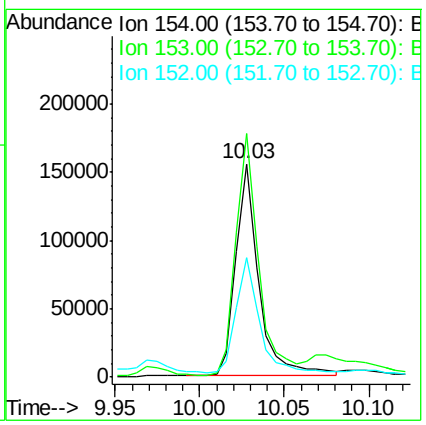


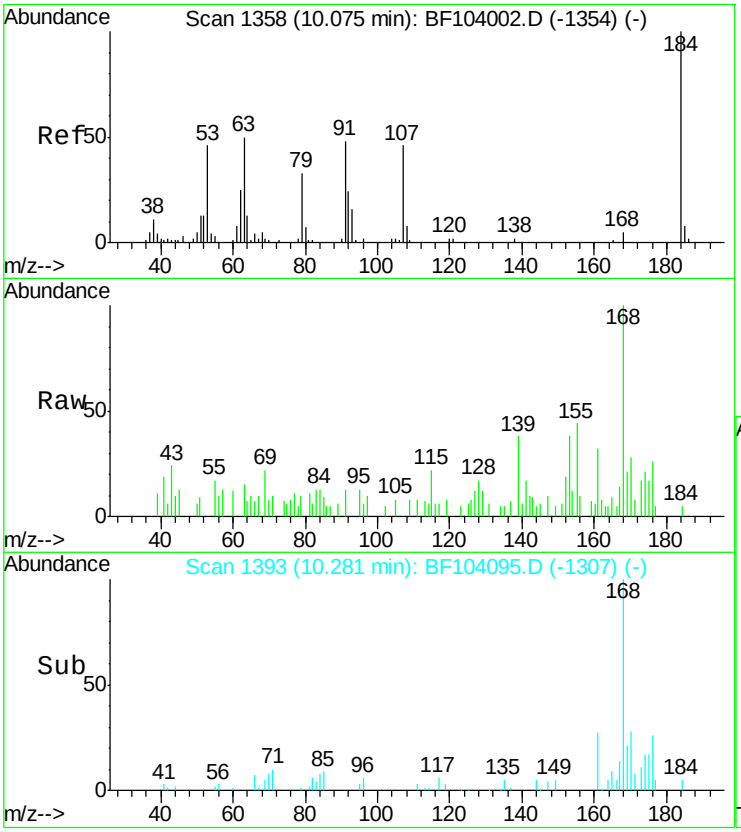


#51
Acenaphthene
Concen: 11.176 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:154 Resp: 148682

Ion	Ratio	Lower	Upper
154	100		
153	114.0	91.2	136.8
152	55.8	43.8	65.8



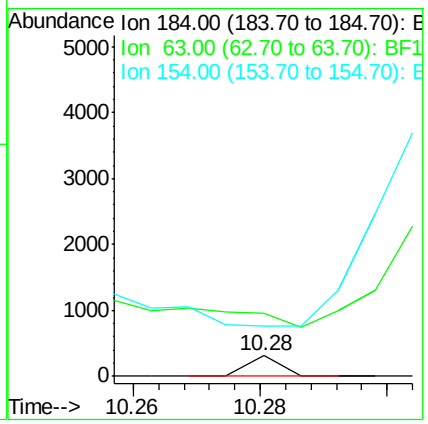


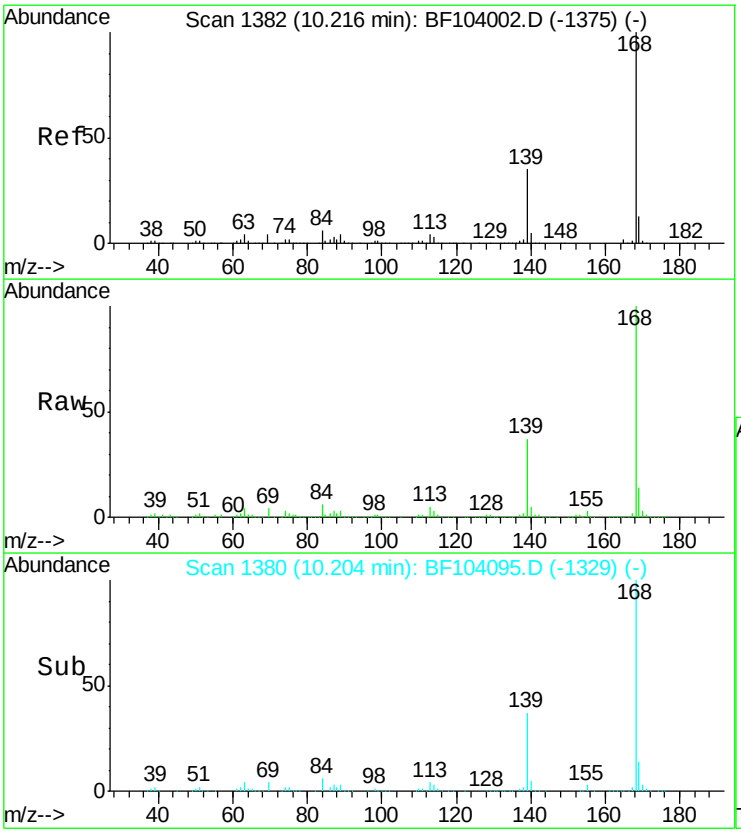
#53
2,4-Dinitrophenol
Concen: 5.633 ng
RT: 10.28 min Scan# 1393
Delta R.T. 0.21 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:184 Resp: 109

Ion	Ratio	Lower	Upper
184	100		
63	308.1	54.2	81.2#
154	247.7	184.0	276.0

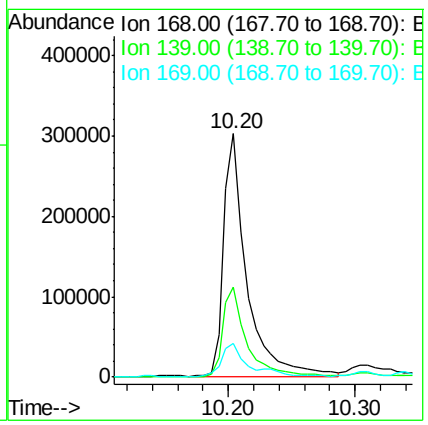


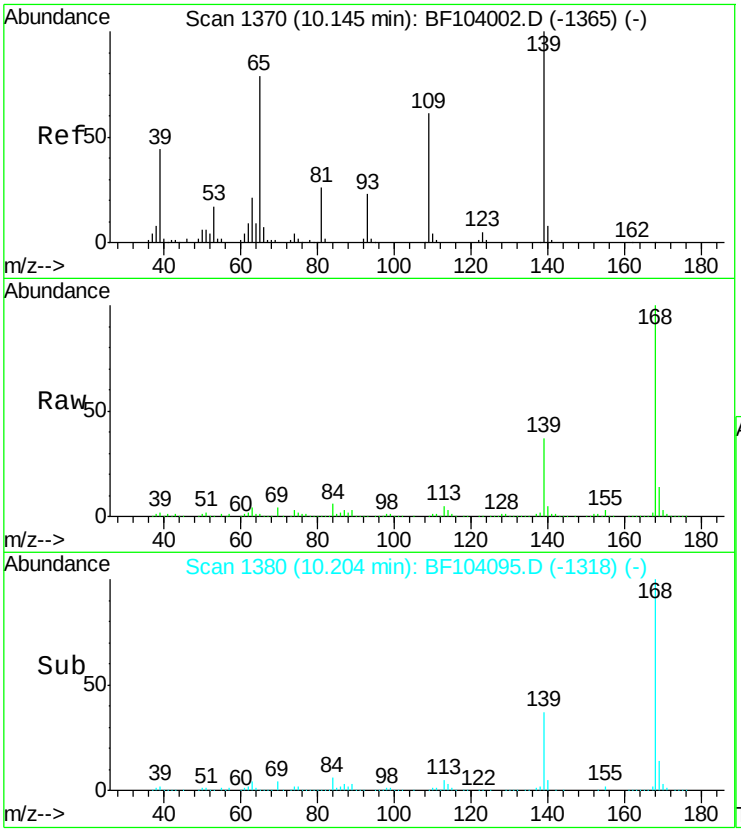


#54
Dibenzofuran
Concen: 19.578 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:168 Resp: 380333

Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.1	45.1
169	13.8	10.9	16.3



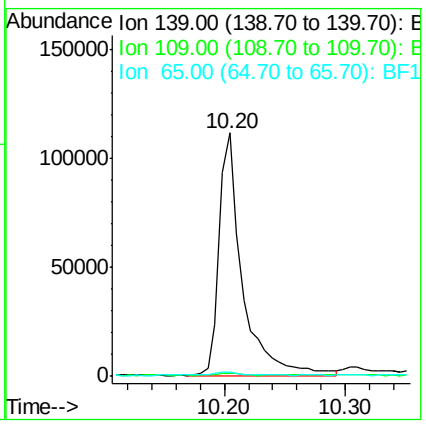


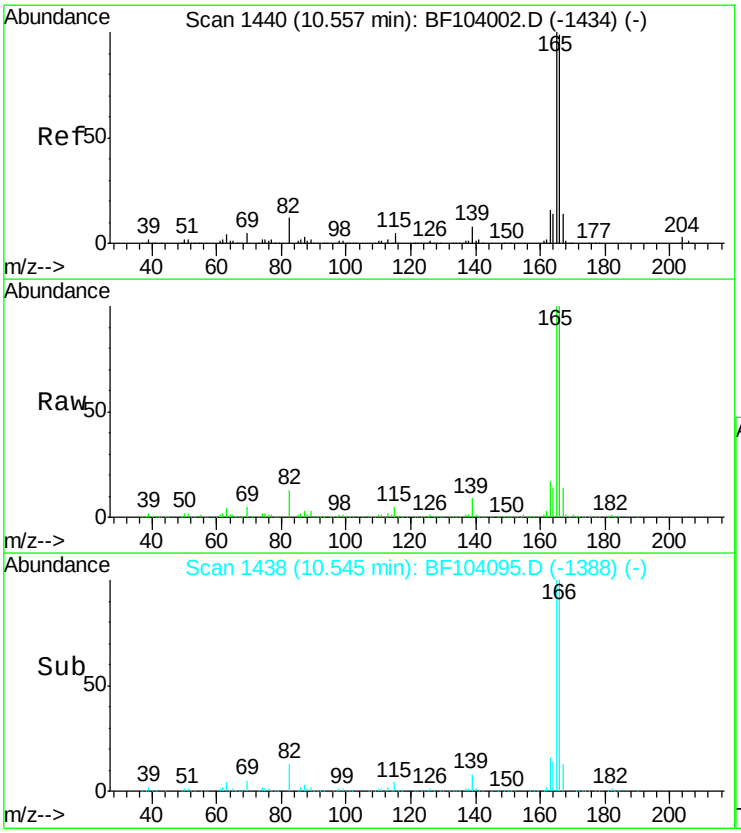
#55
4-Nitrophenol
Concen: 56.253 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.06 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 147668

Ion	Ratio	Lower	Upper
139	100		
109	1.2	48.4	88.4#
65	1.5	72.6	112.6#

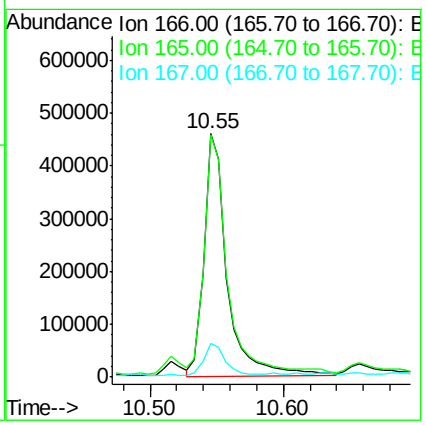


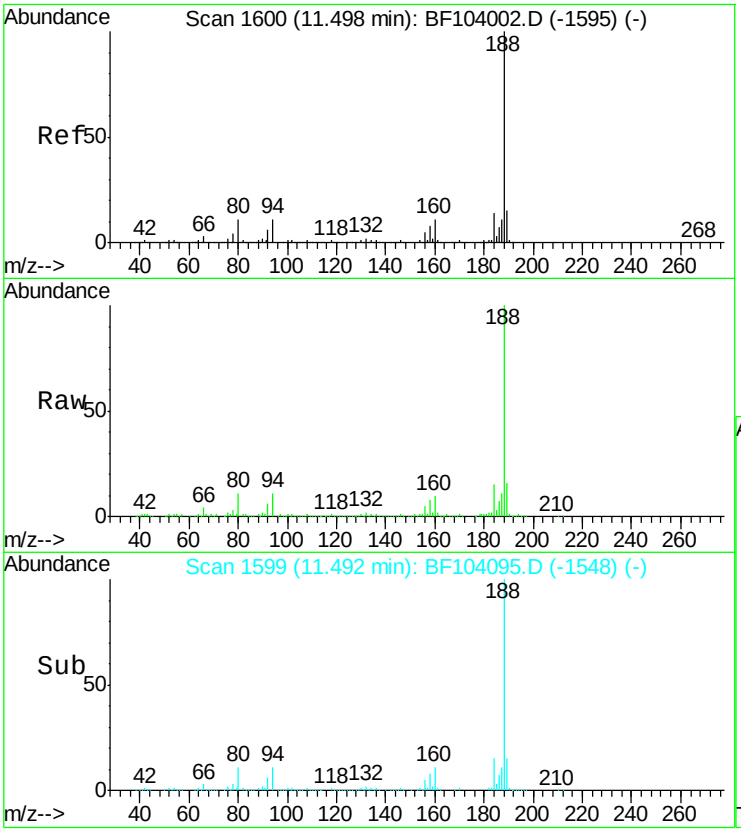


#57
Fluorene
Concen: 34.598 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:166 Resp: 554428

Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.8	119.8
167	13.8	10.6	16.0



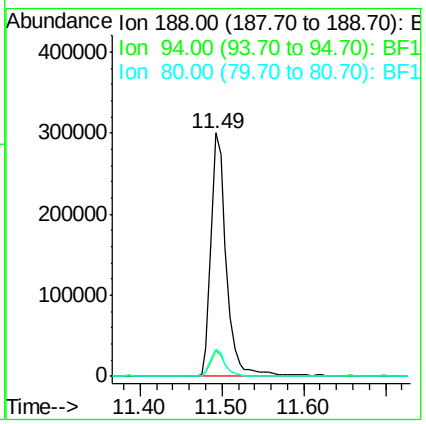


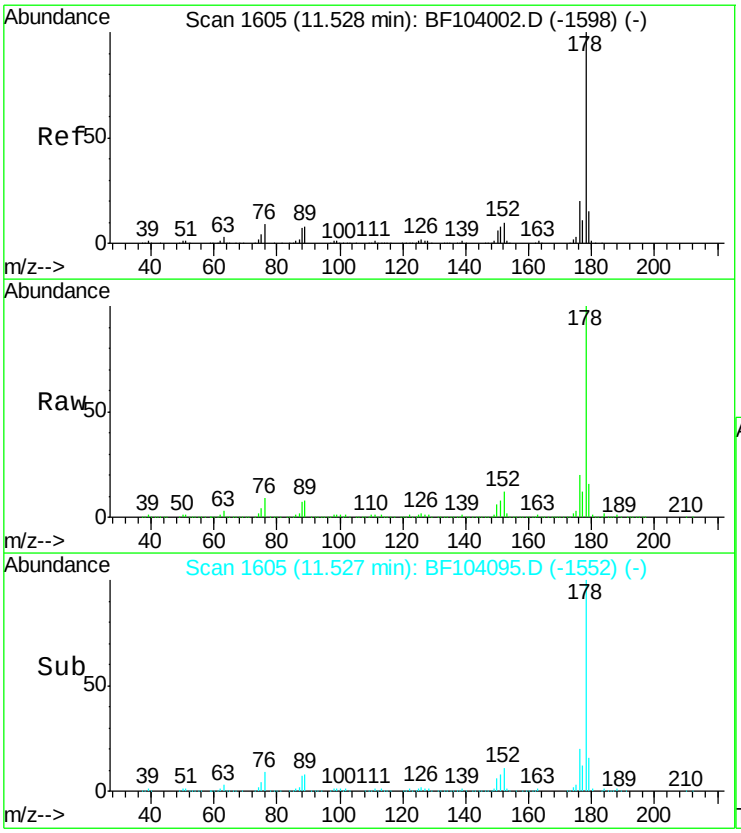
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 394729

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.2	9.2	13.8

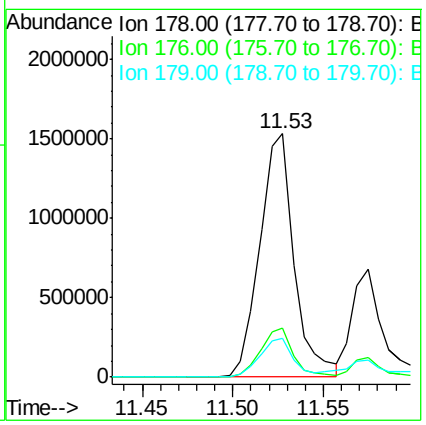


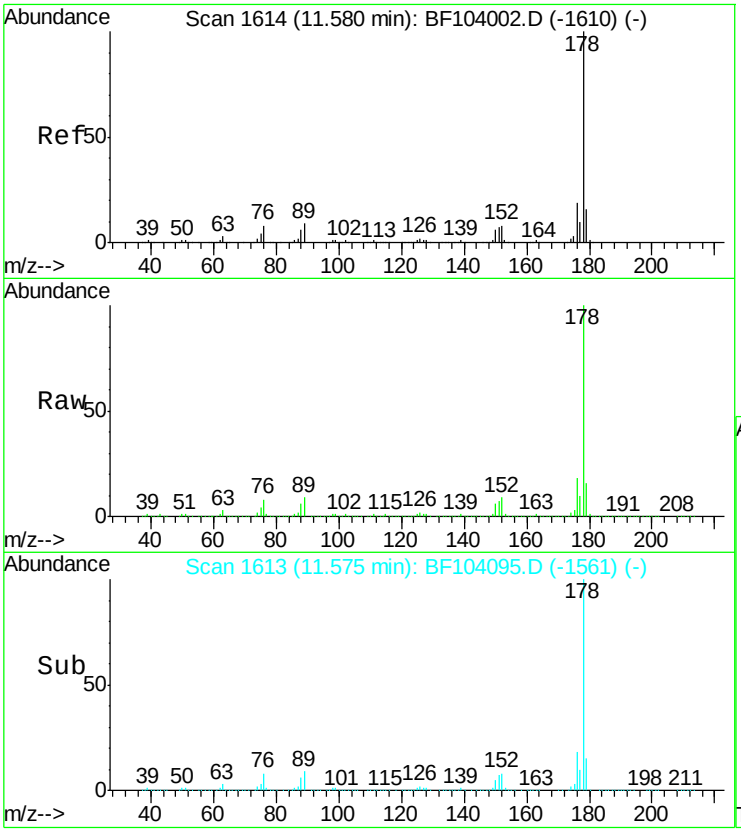


#70
Phenanthrene
Concen: 94.437 ng
RT: 11.53 min Scan# 1605
Delta R.T. 0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:178 Resp: 2018219

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.8	13.0	19.6



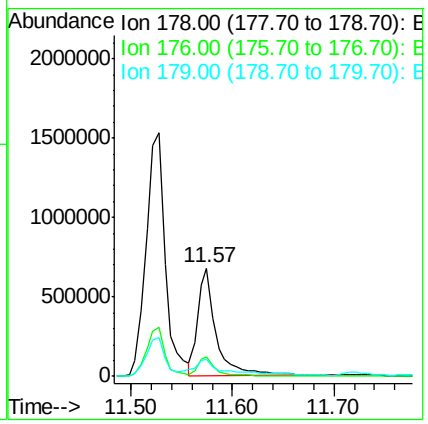


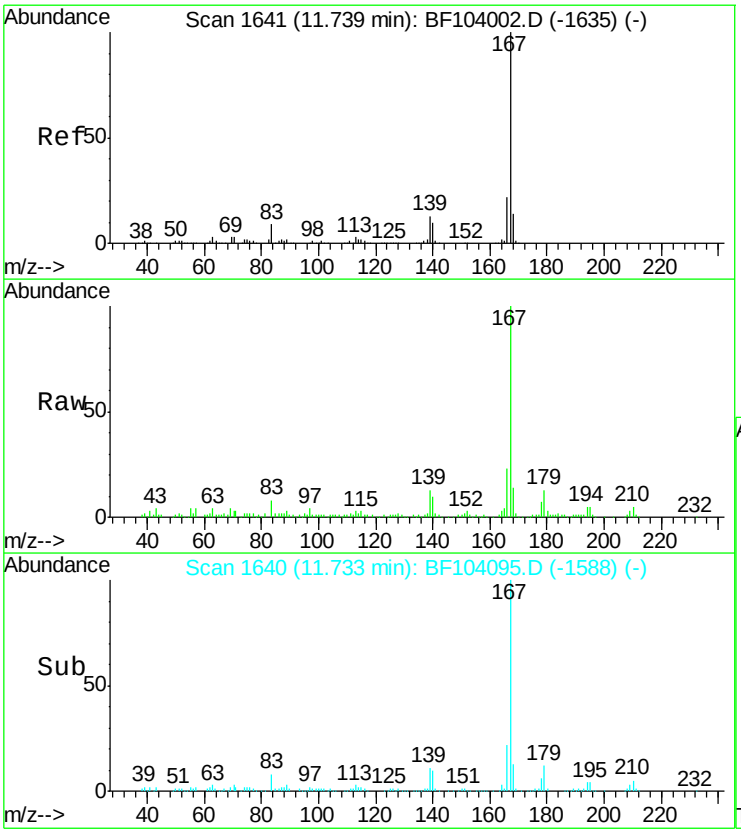
#71
Anthracene
Concen: 38.379 ng
RT: 11.57 min Scan# 1613
Delta R.T. 0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 856724

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.9	12.6	19.0

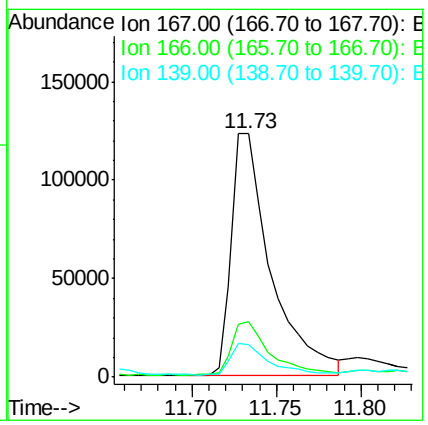


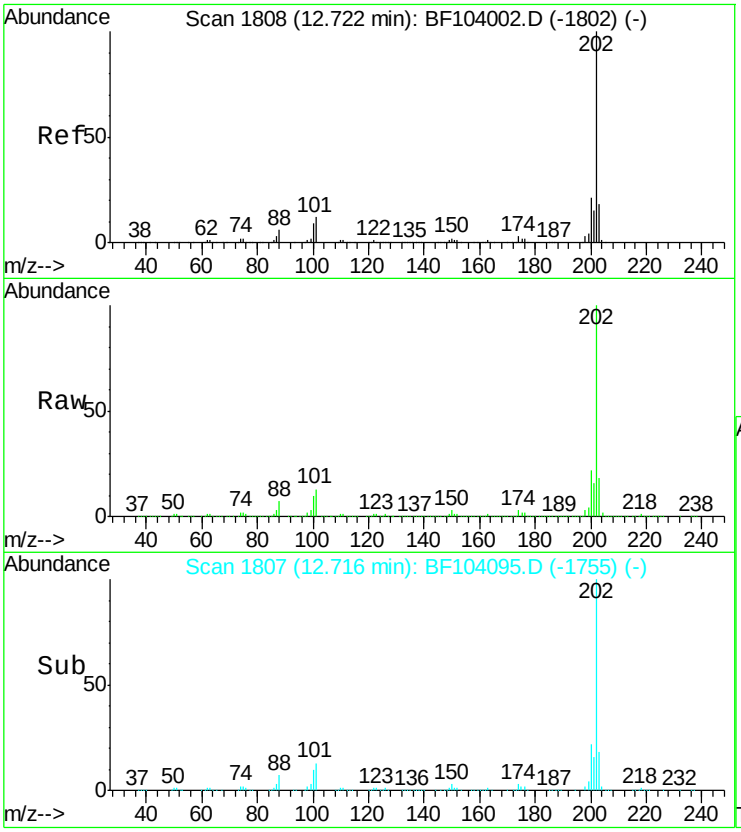


#72
Carbazole
Concen: 9.434 ng
RT: 11.73 min Scan# 1640
Delta R.T. 0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:167 Resp: 201004

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	13.3	10.9	16.3



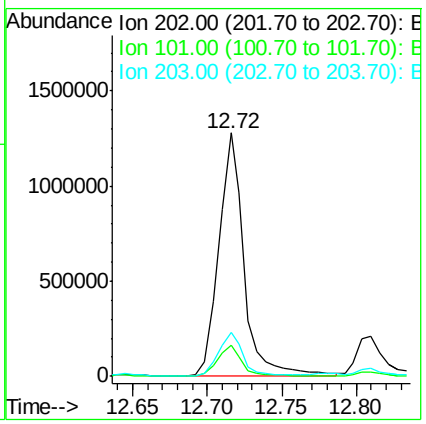


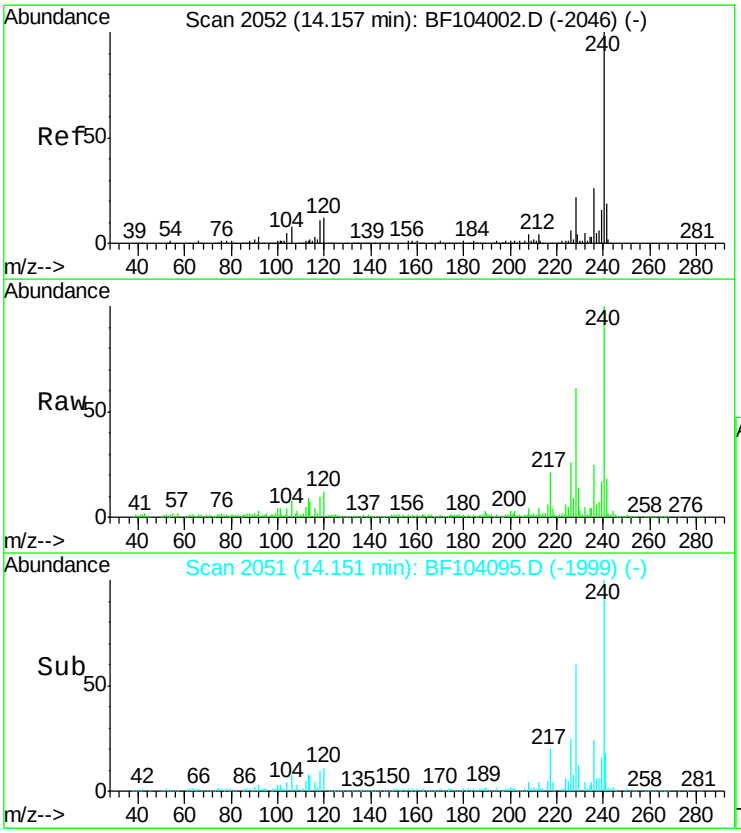
#74
Fluoranthene
Concen: 66.710 ng
RT: 12.72 min Scan# 1807
Delta R.T. 0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1515401

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	18.0	0.0	38.1

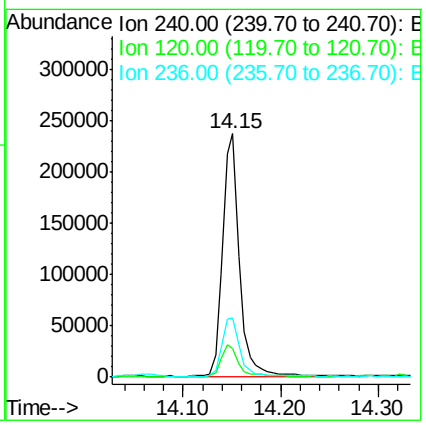


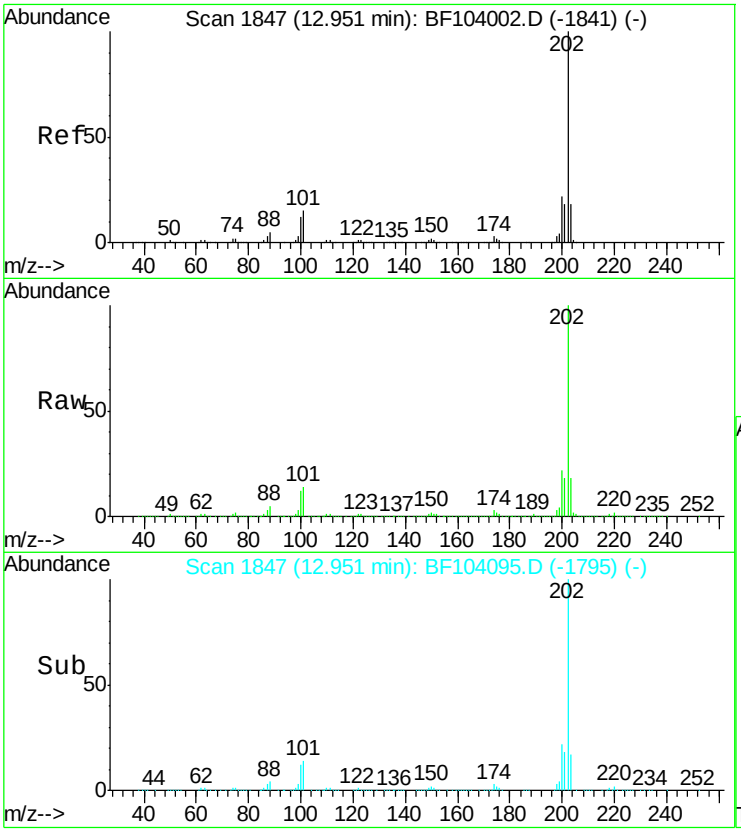


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:240 Resp: 283893

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.5	14.3
236	24.6	20.7	31.1



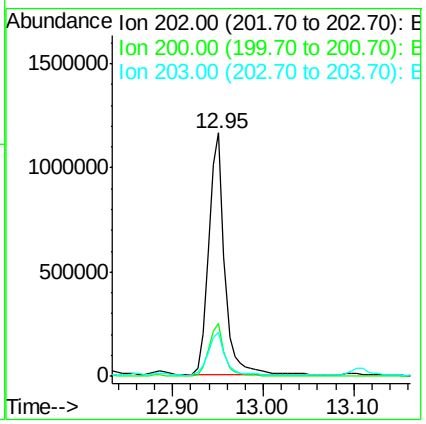


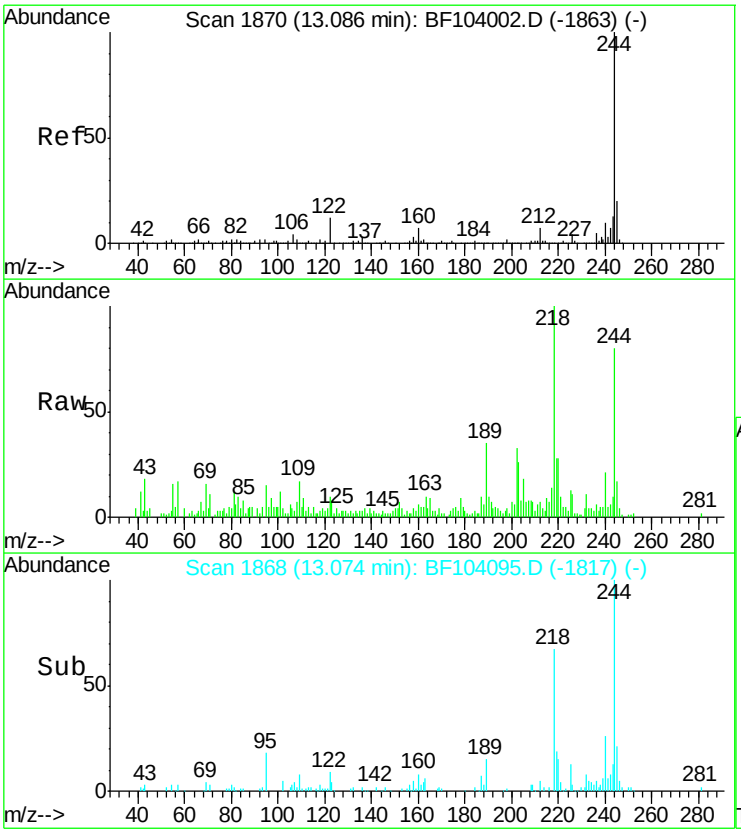
#77
Pyrene
Concen: 70.350 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1435692

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.1	14.3	21.5

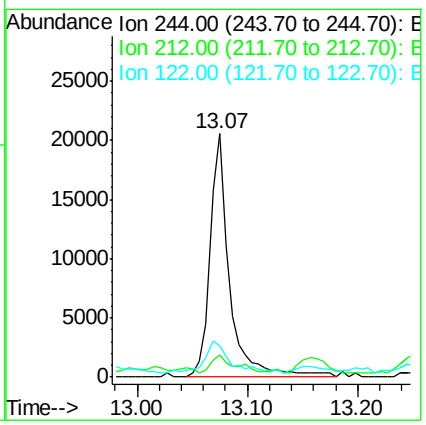


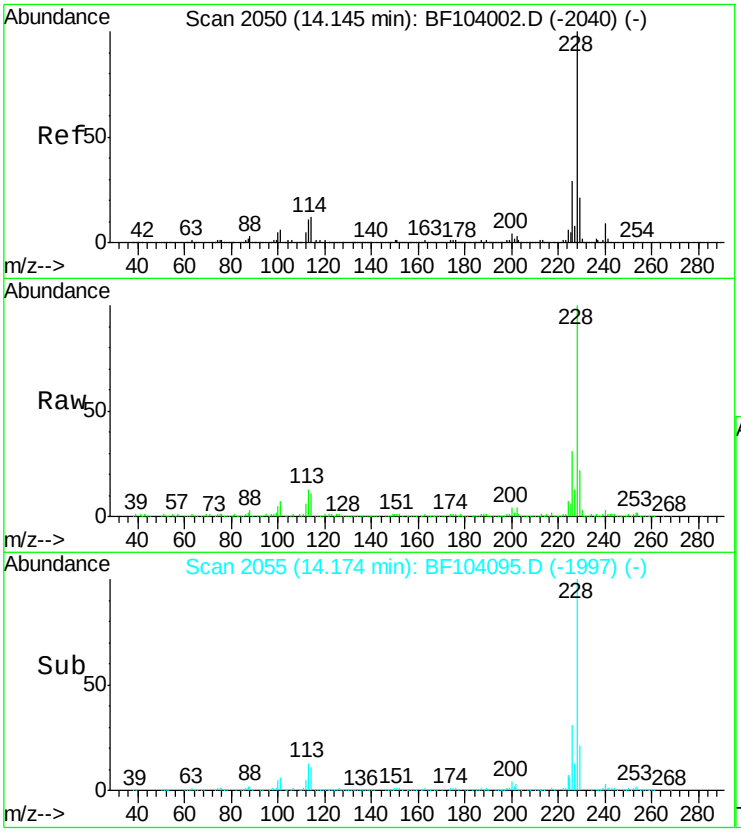


#78
Terphenyl-d14
Concen: 2.029 ng
RT: 13.07 min Scan# 1868
Delta R.T. 0.00 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:244 Resp: 24948

Ion	Ratio	Lower	Upper
244	100		
212	9.3	5.4	8.0#
122	12.6	11.0	16.4



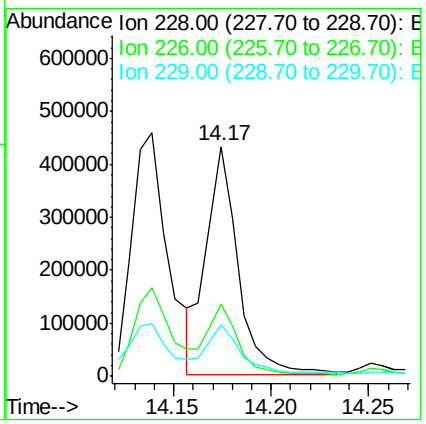


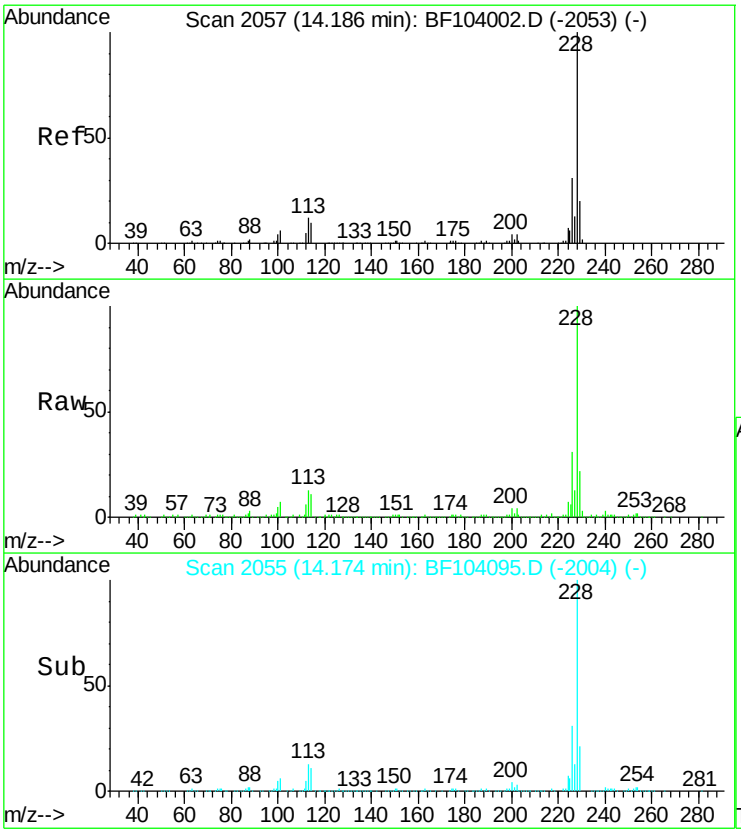
#80
Benzo(a)anthracene
Concen: 28.004 ng
RT: 14.17 min Scan# 2055
Delta R.T. 0.04 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 497457

Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	33.8
229	22.2	15.8	23.6

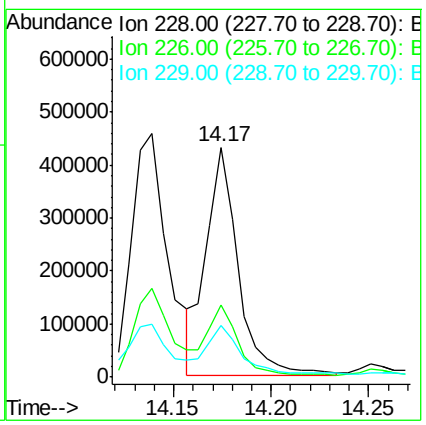


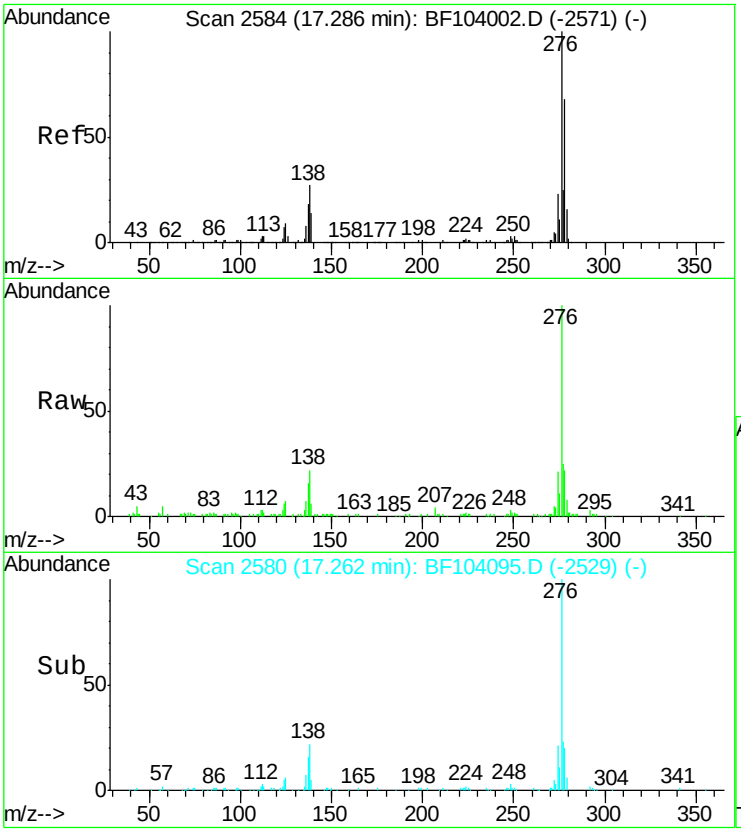


#82
Chrysene
Concen: 28.592 ng
RT: 14.17 min Scan# 2055
Delta R.T. 0.00 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:228 Resp: 497457

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.2	16.2	24.4



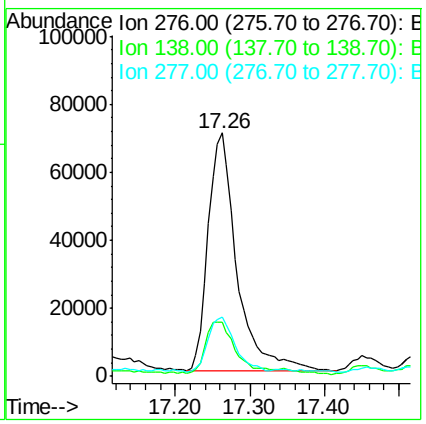


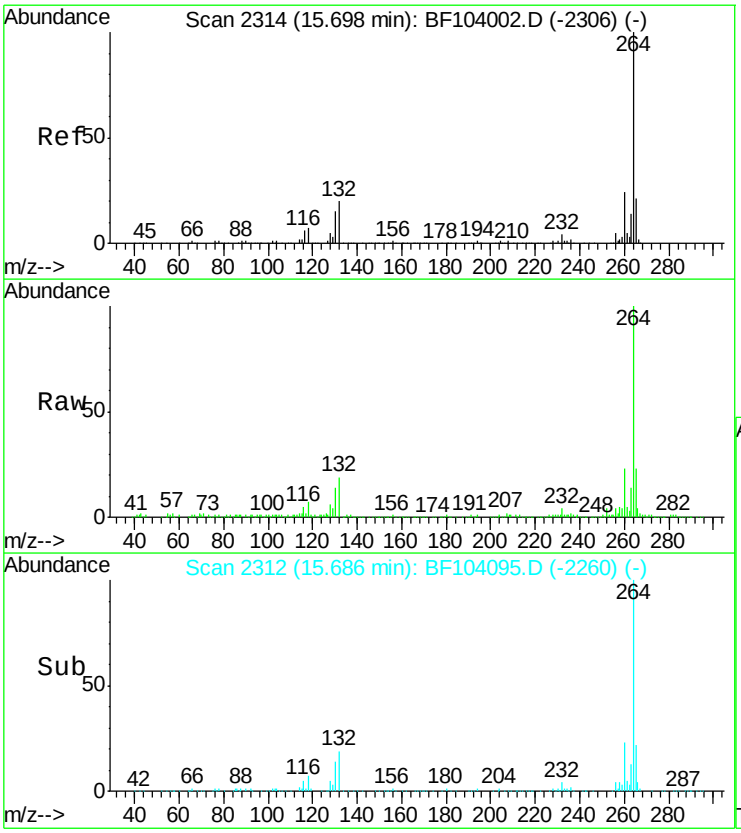
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.421 ng
RT: 17.26 min Scan# 2580
Delta R.T. 0.00 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 187879

Ion	Ratio	Lower	Upper
276	100		
138	22.3	25.0	37.6#
277	21.4	20.1	30.1

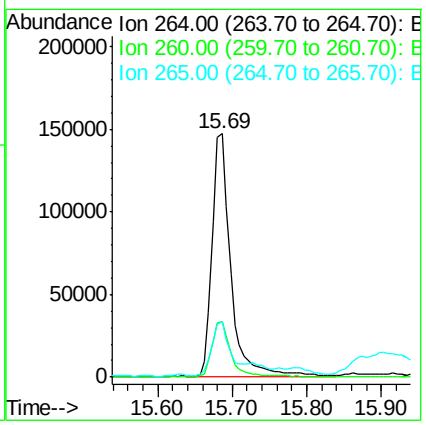


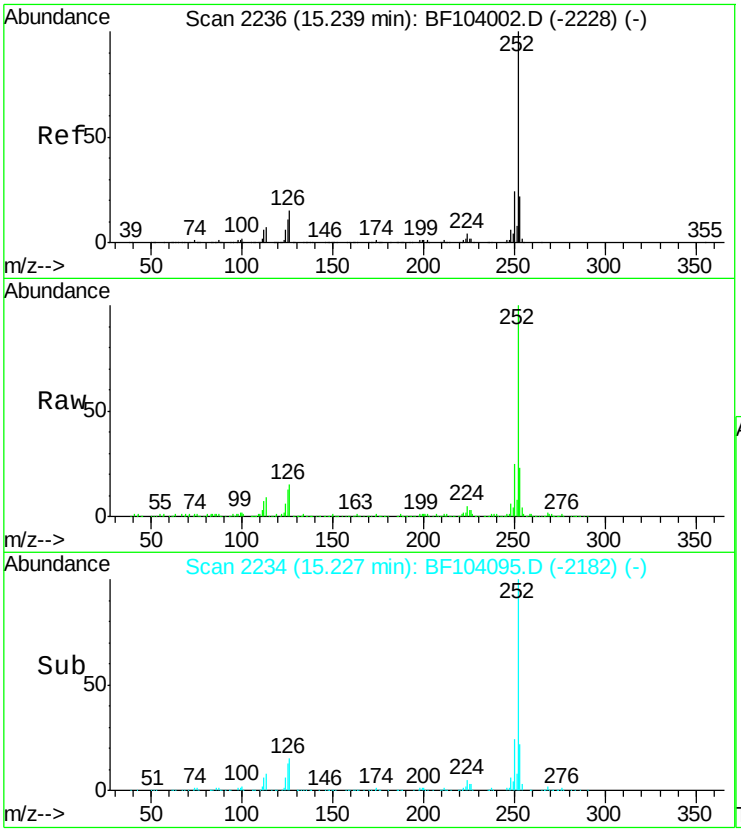


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. 0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:264 Resp: 253799

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.7	17.5	26.3



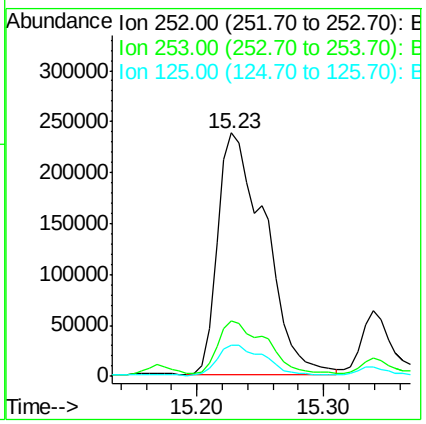


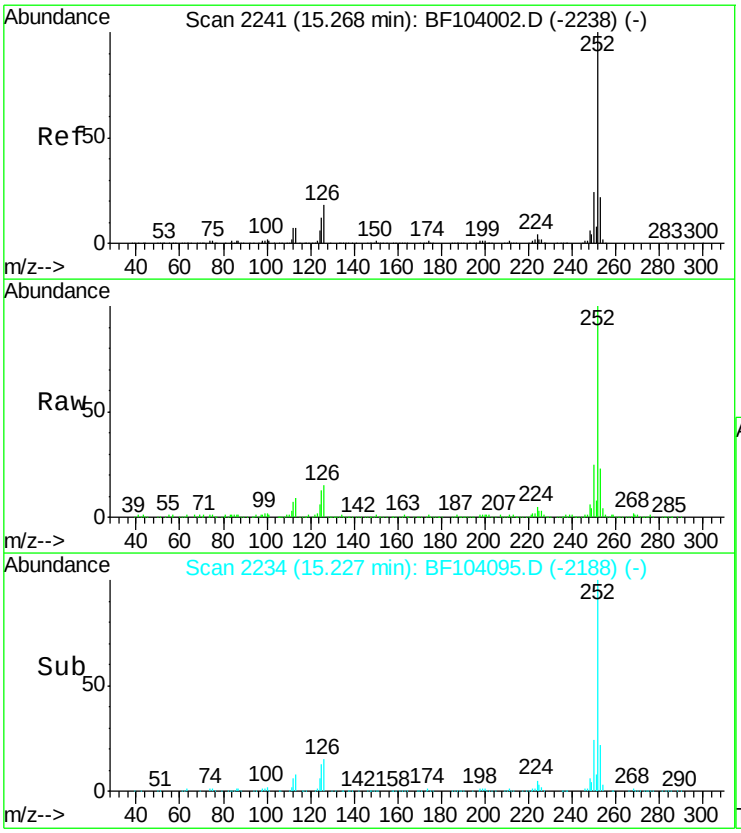
#87
Benzo(b)fluoranthene
Concen: 40.286 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 622253

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	13.0	9.0	13.6

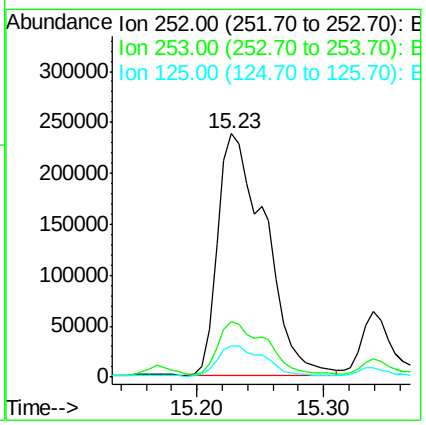


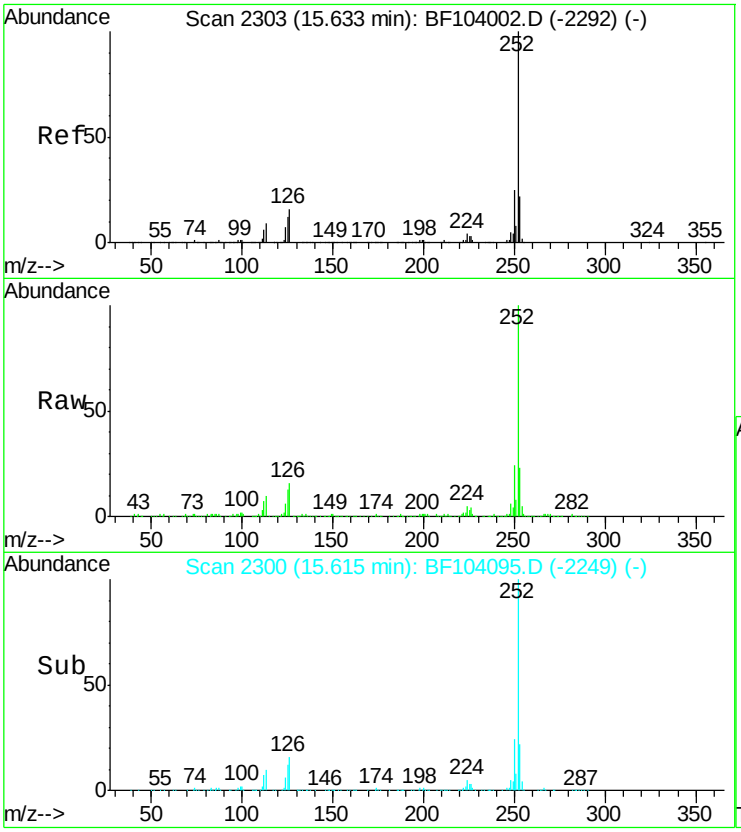


#88
Benzo(k)fluoranthene
Concen: 42.766 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:252 Resp: 622253

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	13.0	10.2	15.2



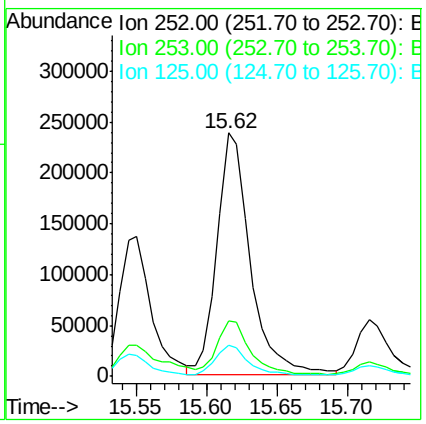


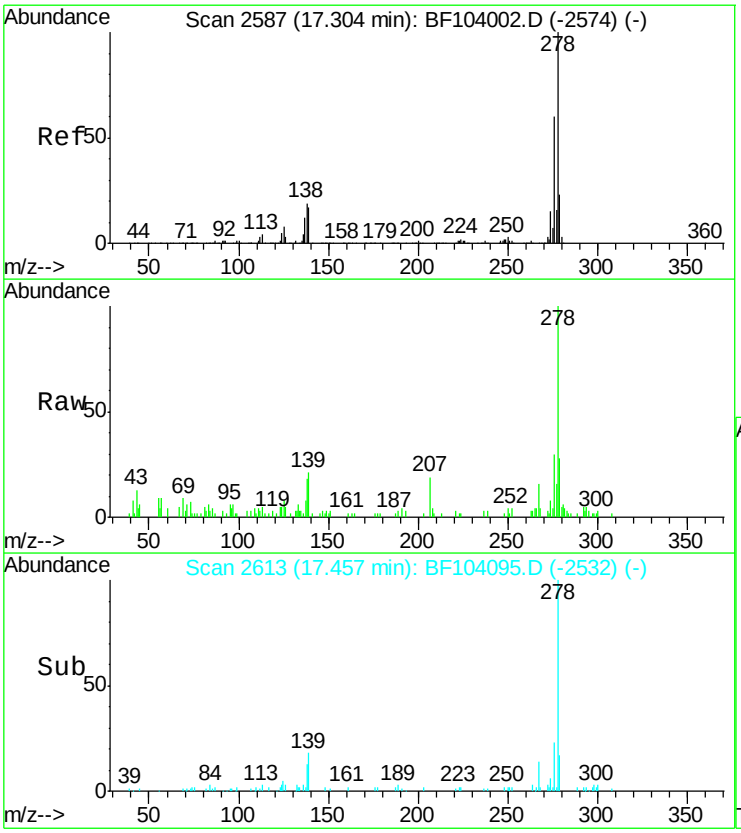
#89
Benzo(a)pyrene
Concen: 27.511 ng
RT: 15.62 min Scan# 2300
Delta R.T. 0.00 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 393784

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	12.8	9.8	14.6

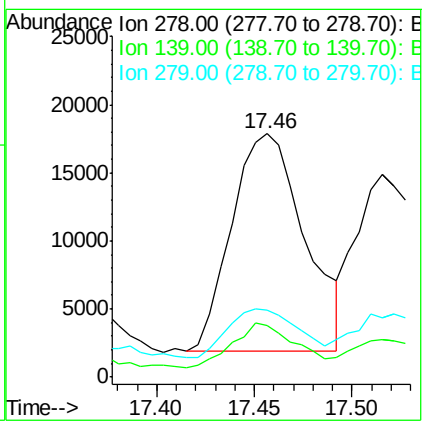


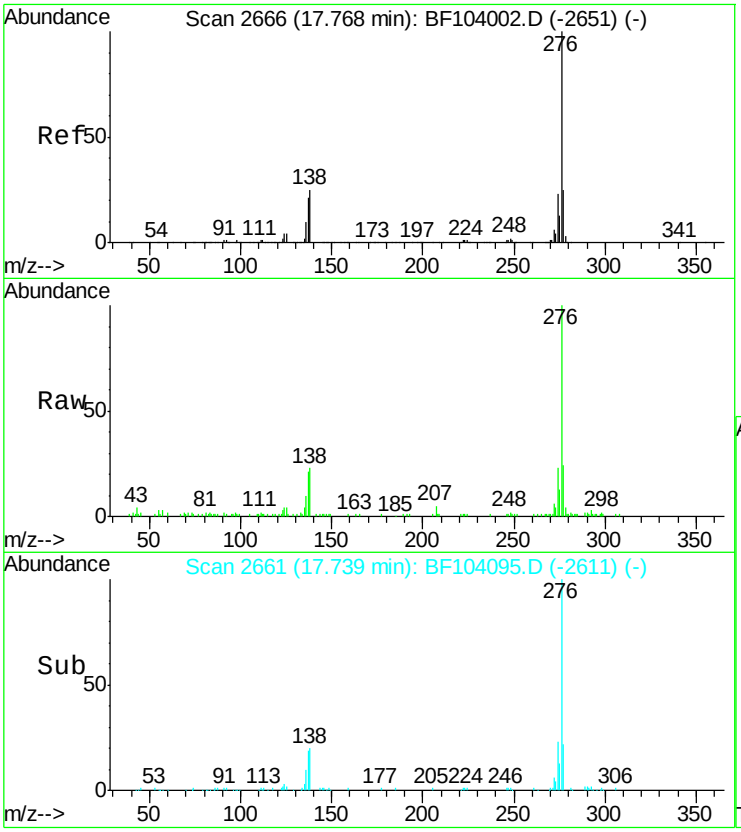


#90
Dibenzo(a,h)anthracene
Concen: 3.111 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.18 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Tgt Ion:278 Resp: 41167

Ion	Ratio	Lower	Upper
278	100		
139	21.1	15.9	23.9
279	27.6	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 13.316 ng
RT: 17.74 min Scan# 2661
Delta R.T. -0.01 min
Lab File: BF104095.D
Acq: 30 Mar 2018 16:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 176503

Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	23.4	21.8	32.8