Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
Data File : BF103104.D
Acq On : 20 Feb 2018 1:48
Operator : SJ/JU
Sample : J1600-05 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Feb 20 02:18:56 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 16 14:34:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	166407	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	687540	20.00	ng		0.00
38) Acenaphthene-d10	9.92	164	286333	20.00	ng		0.00
63) Phenanthrene-d10	11.40	188	409314	20.00	ng		0.00
75) Chrysene-d12	14.06	240	236055	20.00	ng		0.00
86) Perylene-d12	15.55	264	257936	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	54994	5.02	ng		0.00
7) Phenol-d6	6.50	99	71050	5.39	ng		0.00
23) Nitrobenzene-d5	7.44	82	39321	3.97	ng		0.00
41) 2,4,6-Tribromophenol	10.70	330	9206	3.99	ng		0.00
44) 2-Fluorobiphenyl	9.23	172	55216	3.20	ng		-0.01
78) Terphenyl-d14	12.99	244	33386	3.35	ng		0.00
Target Compounds							Qvalue
24) Nitrobenzene	7.49	77	488	Below Cal		#	38
31) Naphthalene	8.18	128	343636	10.23	ng		98
32) Benzoic acid	7.95	122	1336	8.73	ng	#	33
33) 4-Chloroaniline	8.18	127	44062	3.04	ng	#	36
37) 2-Methylnaphthalene	8.87	142	118711	5.40	ng		98
47) 2-Nitroaniline	9.49	65	1647	3.73	ng	#	2
48) Acenaphthylene	9.77	152	703042	23.84	ng		99
50) 2,6-Dinitrotoluene	9.91	165	43547	10.25	ng	#	26
51) Acenaphthene	9.95	154	46788	2.65	ng		98
54) Dibenzofuran	10.12	168	206711	8.32	ng		97
55) 4-Nitrophenol	10.12	139	79040	21.50	ng	#	11
56) 2,4-Dinitrotoluene	10.09	165	2777	3.53	ng	#	79
57) Fluorene	10.46	166	377858	20.90	ng		99
64) 4,6-Dinitro-2-methylphenol	10.73	198	582	9.11	ng	#	1
70) Phenanthrene	11.43	178	1841955	80.80	ng		99
71) Anthracene	11.49	178	872647	37.64	ng		99
72) Carbazole	11.63	167	118574	5.22	ng		99
74) Fluoranthene	12.63	202	2260662	98.57	ng		100
77) Pyrene	12.86	202	2075777	112.14	ng		99
80) Benzo(a)anthracene	14.09	228	1138344	76.68	ng		93
82) Chrysene	14.09	228	1138344	76.07	ng		97
85) Indeno(1,2,3-cd)pyrene	17.07	276	554065	44.64	ng		95
87) Benzo(b)fluoranthene	15.12	252	1957603	117.06	ng	#	95
88) Benzo(k)fluoranthene	15.12	252	1957603	122.51	ng		98
89) Benzo(a)pyrene	15.49	252	1101046	73.15	ng		97
90) Dibenzo(a,h)anthracene	17.23	278	142794	11.69	ng		97
91) Benzo(g,h,i)perylene	17.53	276	503056	42.07	ng		99

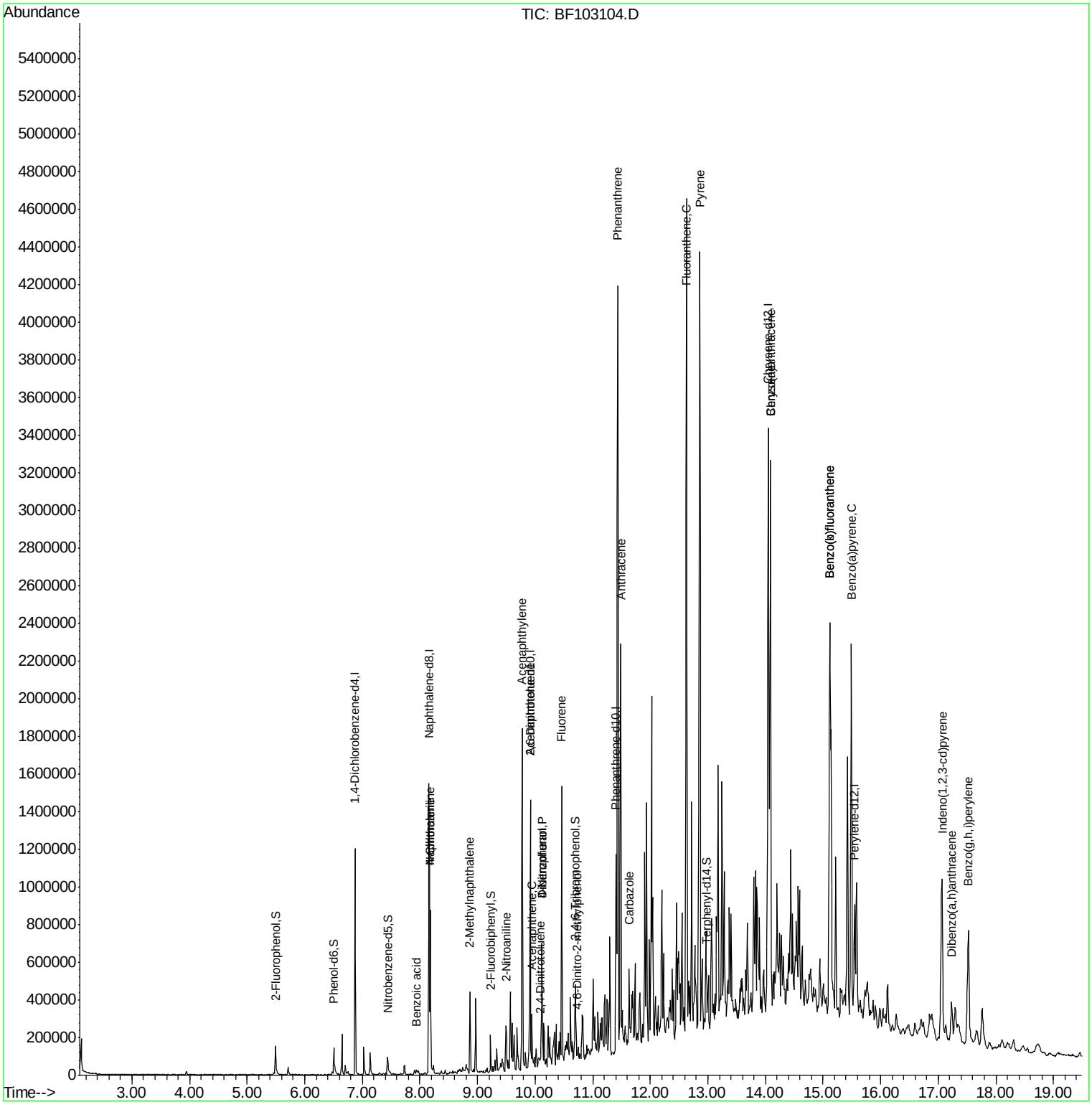
(#) = qualifier out of range (m) = manual integration (+) = signals summed

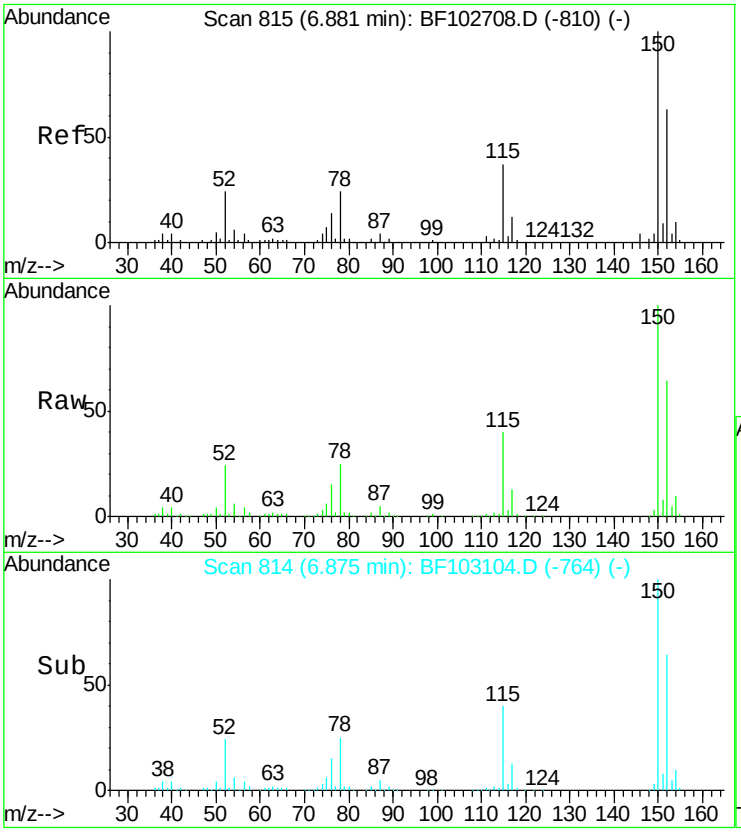
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
Data File : BF103104.D
Acq On : 20 Feb 2018 1:48
Operator : SJ/JU
Sample : J1600-05 20X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 20 02:18:56 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 16 14:34:49 2018
Response via : Initial Calibration



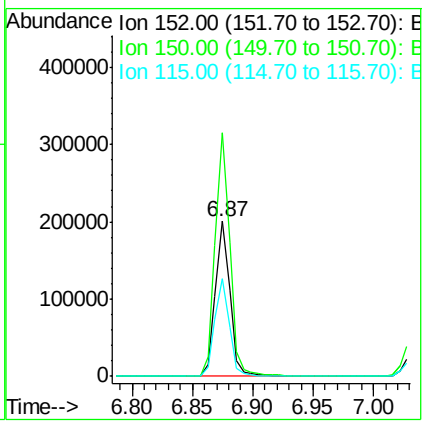


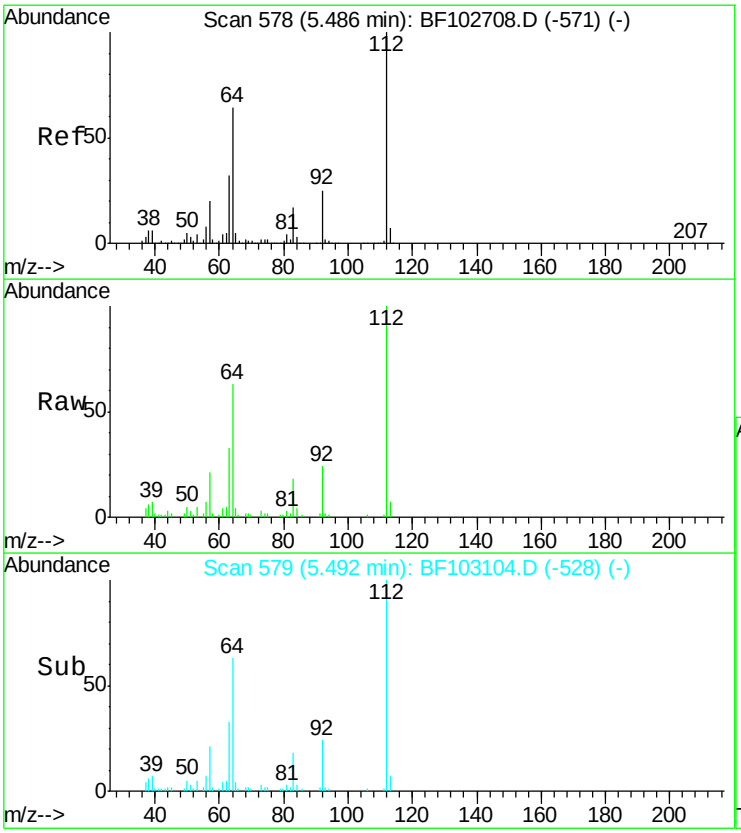
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 166407

Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	63.1	50.1	75.1

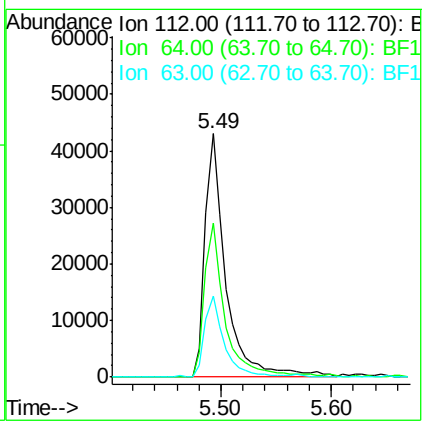


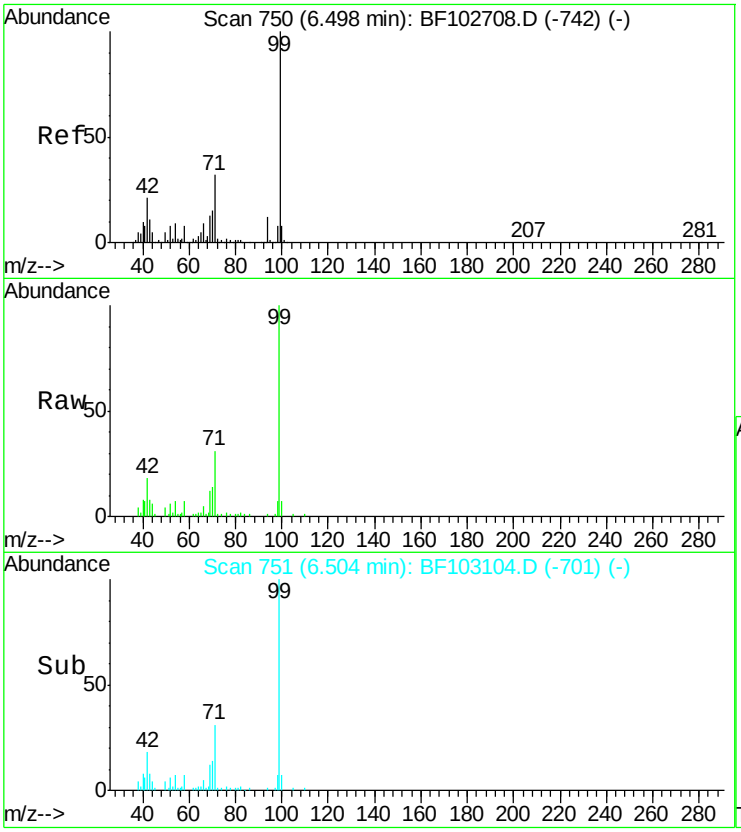


#5
2-Fluorophenol
Concen: 5.02 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:112 Resp: 54994

Ion	Ratio	Lower	Upper
112	100		
64	63.0	47.9	71.9
63	33.1	23.7	35.5



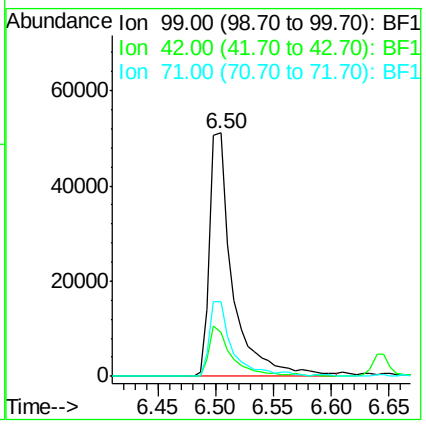


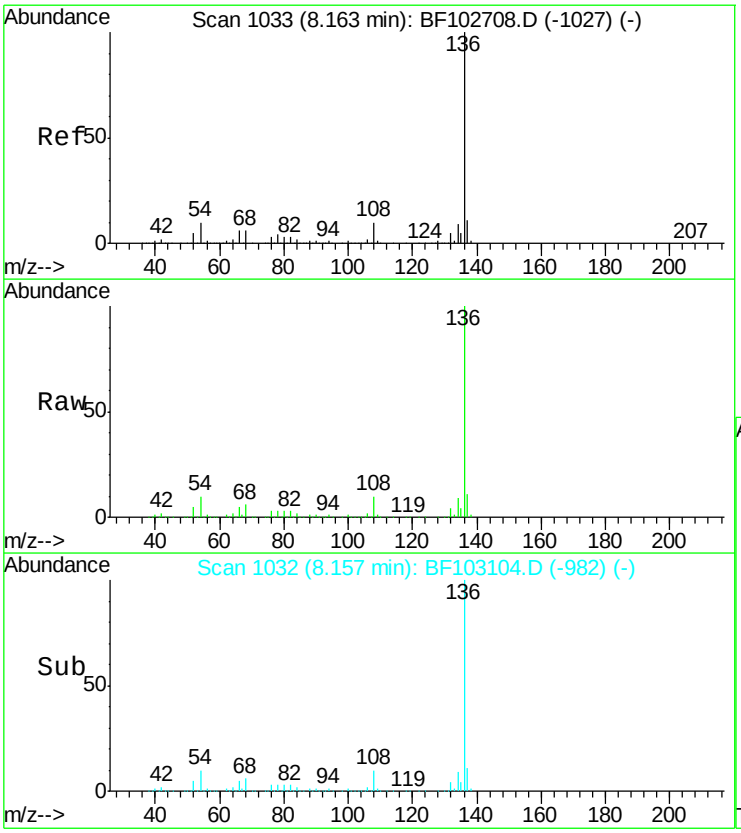
#7
Phenol-d6
Concen: 5.39 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 71050

Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.5	21.7
71	30.7	25.4	38.0

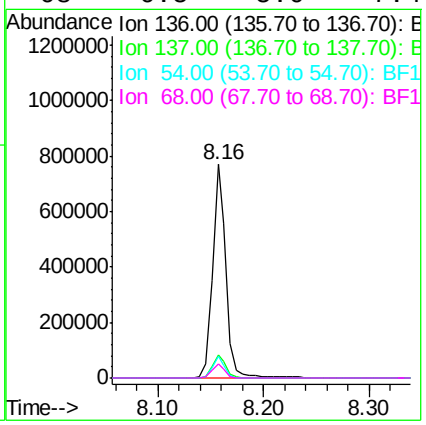


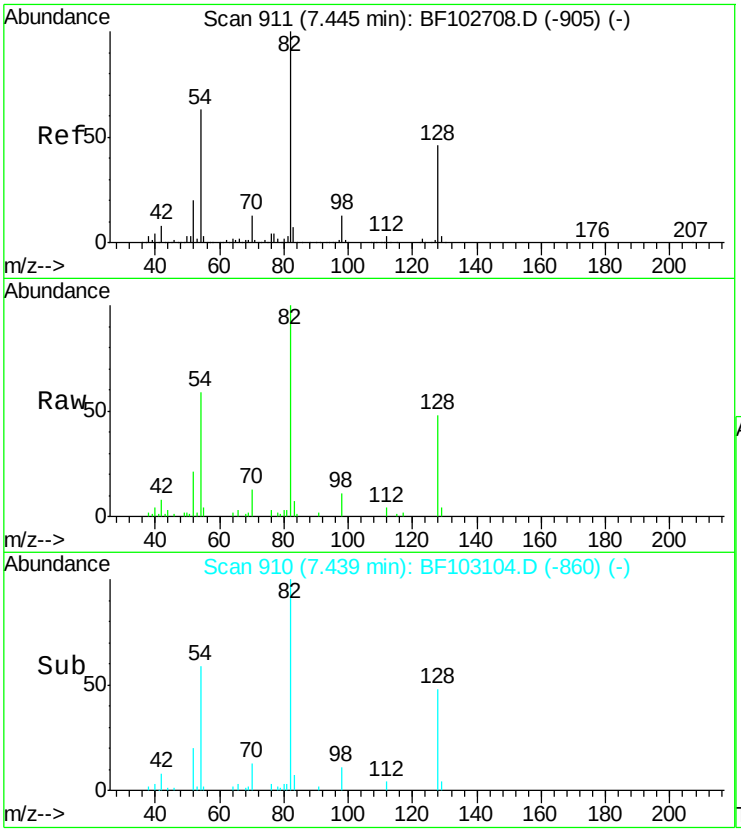


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:136 Resp: 687540

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.0	6.6	9.8#
68	6.5	5.0	7.4



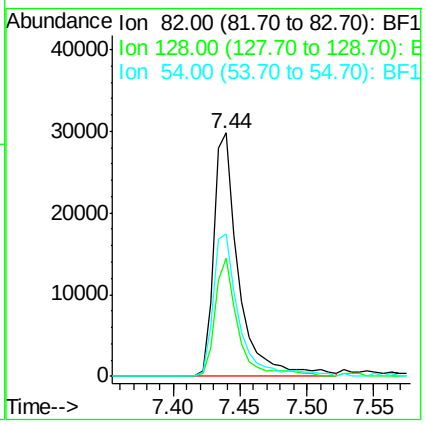


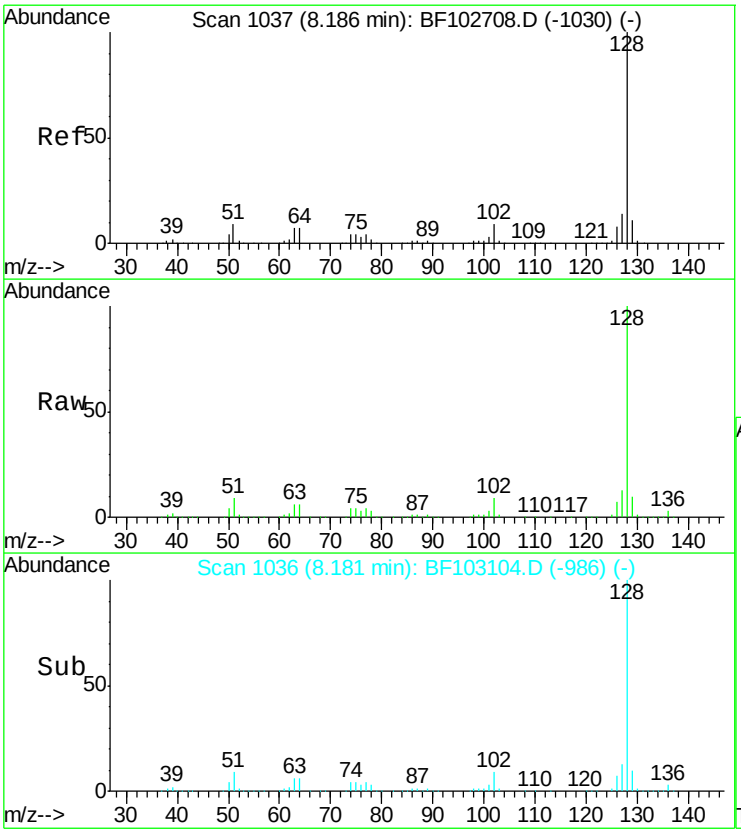
#23
Nitrobenzene-d5
Concen: 3.97 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 39321

Ion	Ratio	Lower	Upper
82	100		
128	48.4	36.1	54.1
54	58.6	41.4	62.2

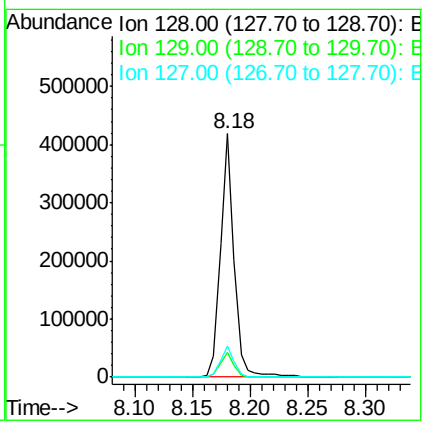


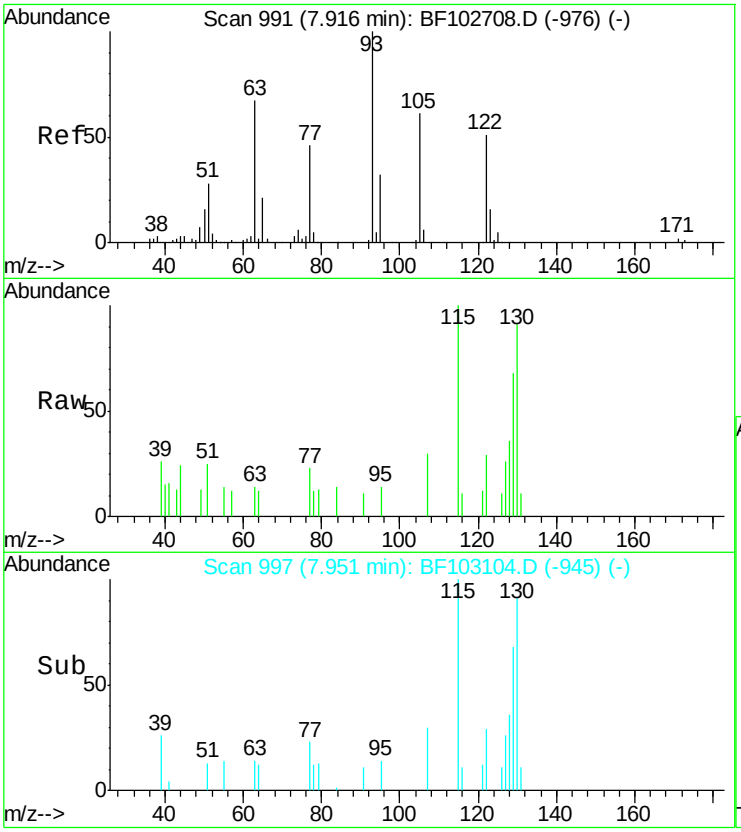


#31
Naphthalene
Concen: 10.23 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:128 Resp: 343636

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	12.9	10.9	16.3



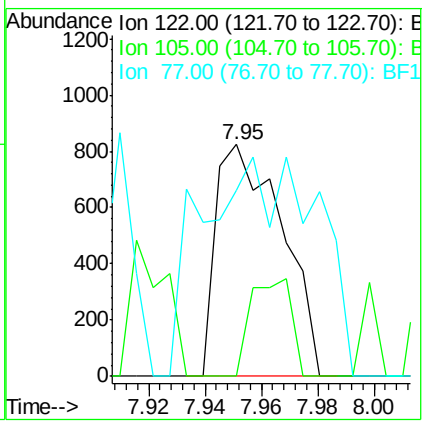


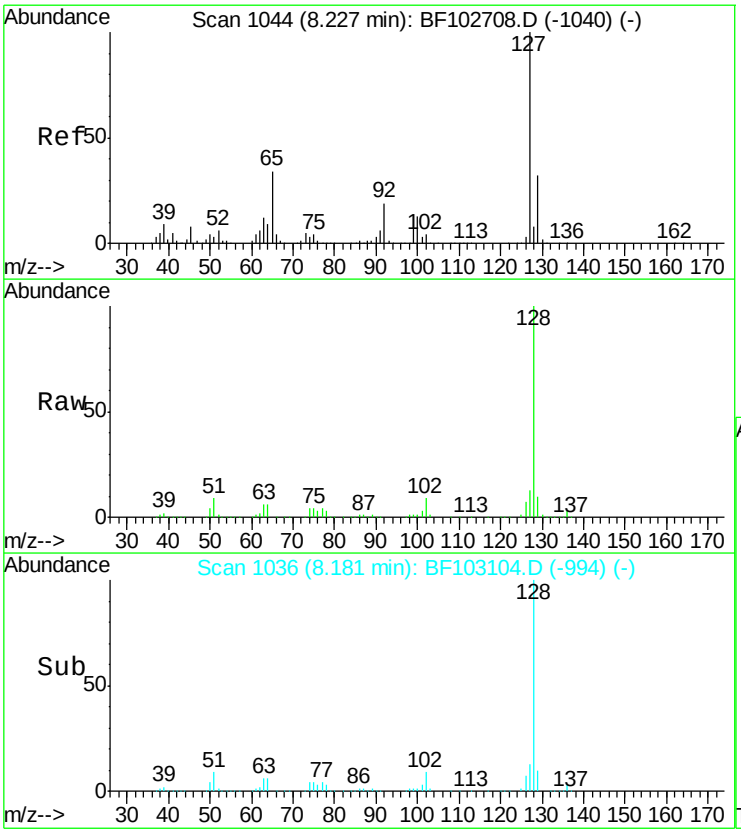
#32
Benzoic acid
Concen: 8.73 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 1336

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	80.2	70.7	110.7

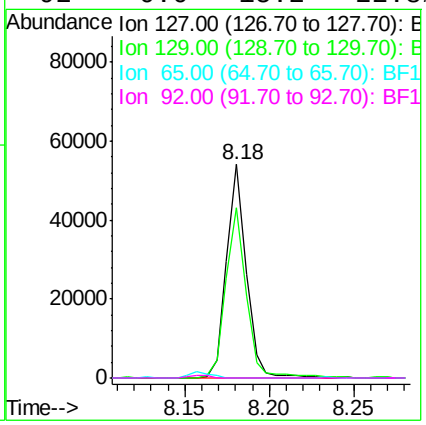


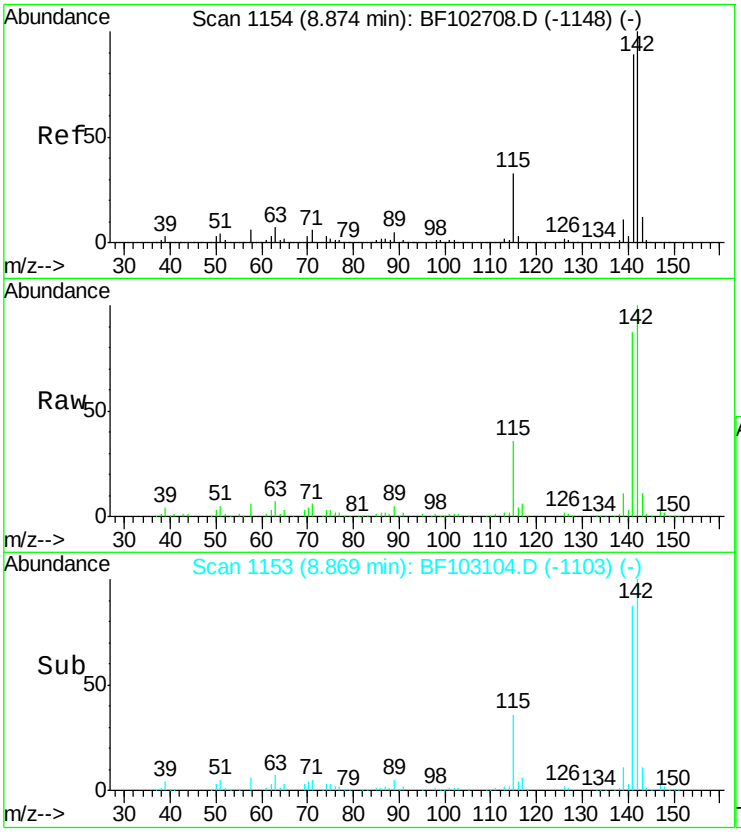


#33
4-Chloroaniline
Concen: 3.04 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.05 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:127 Resp: 44062

Ion	Ratio	Lower	Upper
127	100		
129	79.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

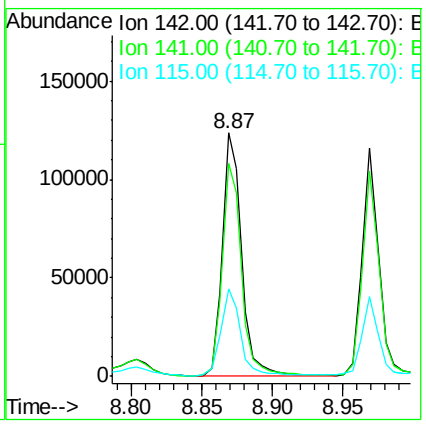




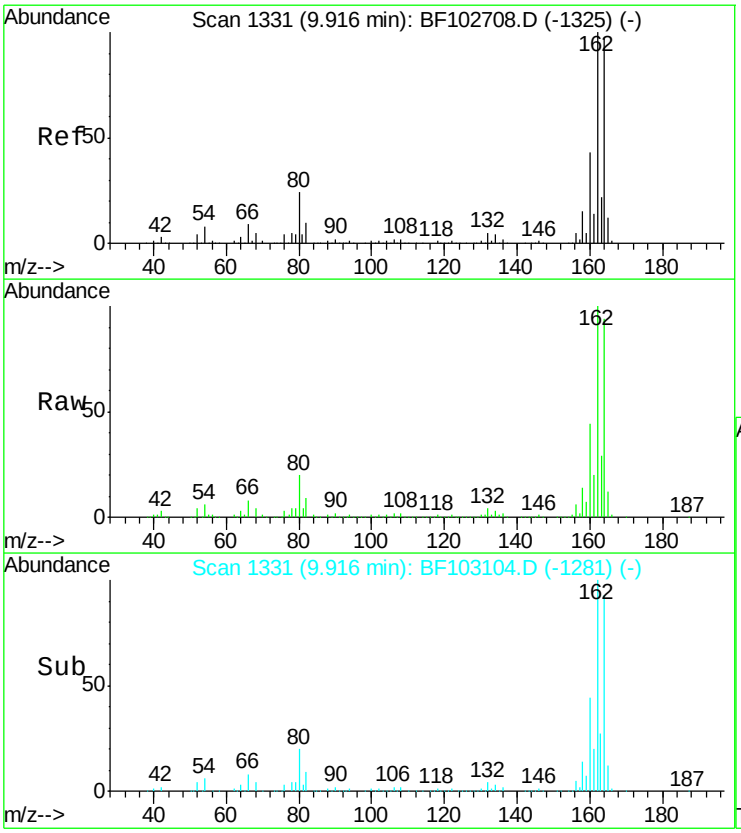
#37
2-Methylnaphthalene
Concen: 5.40 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:142 Resp: 118711

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.8	106.2
115	35.7	26.1	39.1



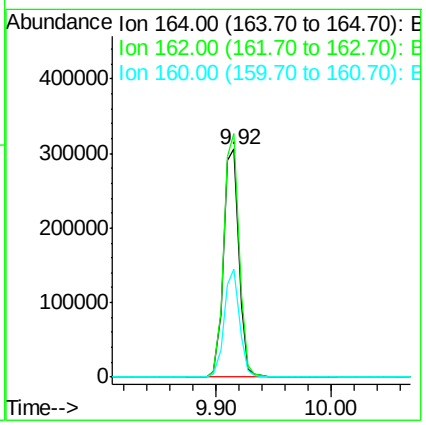
Instrument :
BNA_F
ClientSampleId :

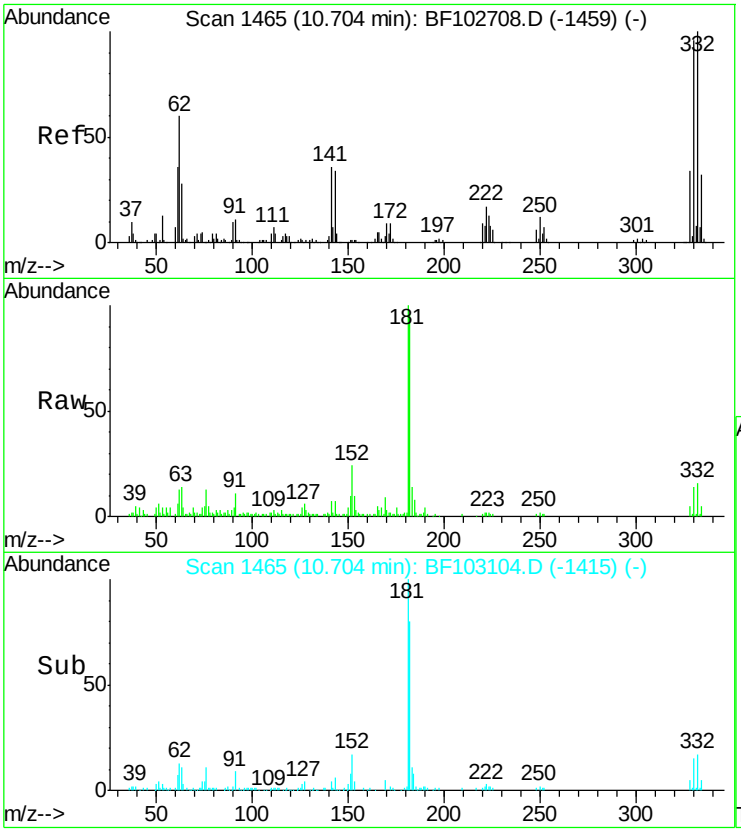


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:164 Resp: 286333

Ion	Ratio	Lower	Upper
164	100		
162	106.9	86.1	129.1
160	47.5	38.3	57.5



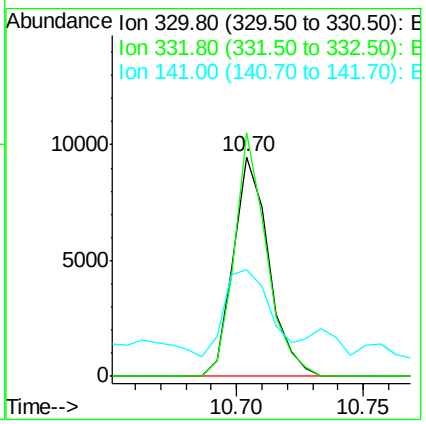


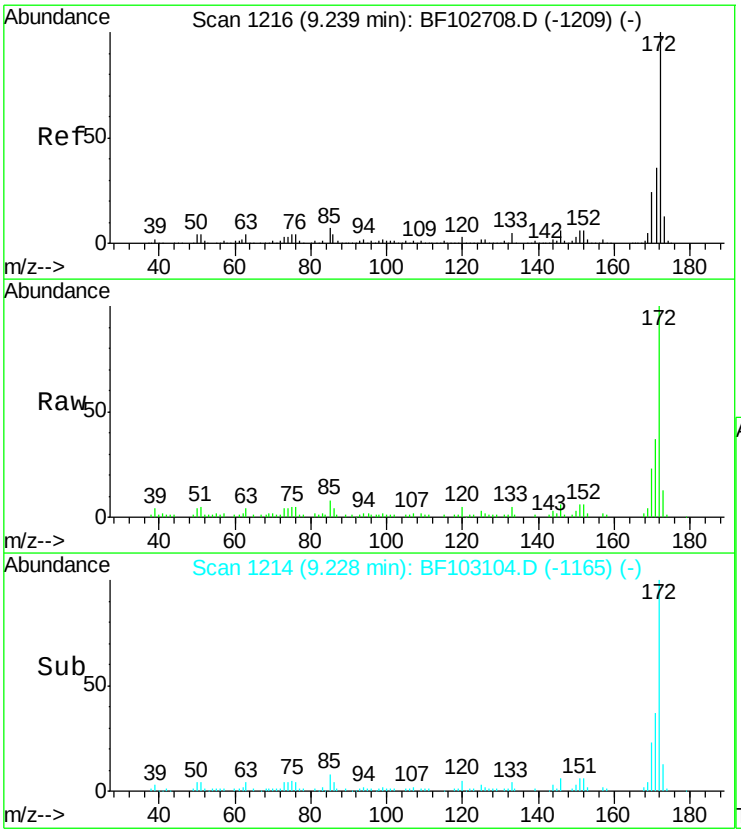
#41
2,4,6-Tribromophenol
Concen: 3.99 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 9206

Ion	Ratio	Lower	Upper
330	100		
332	100.6	77.0	115.6
141	50.0	29.9	44.9#

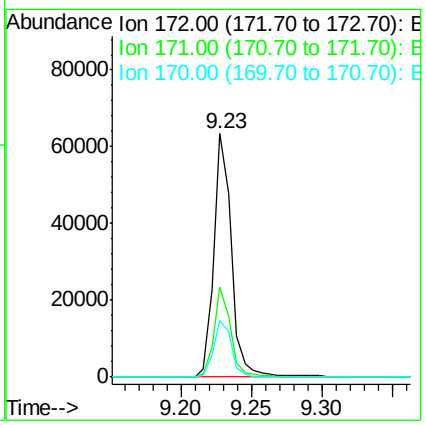


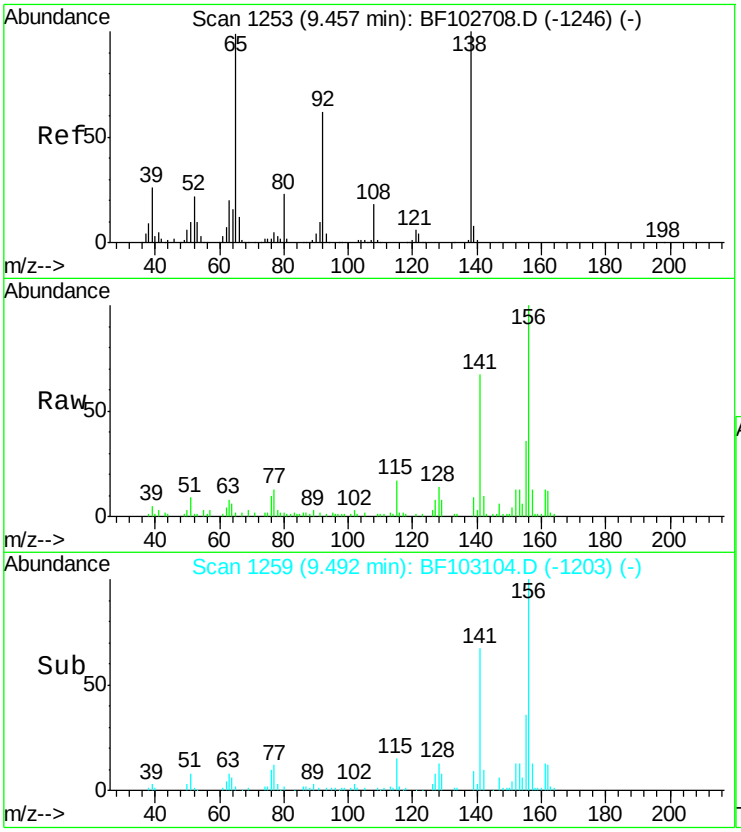


#44
2-Fluorobiphenyl
Concen: 3.20 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:172 Resp: 55216

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	23.1	19.6	29.4



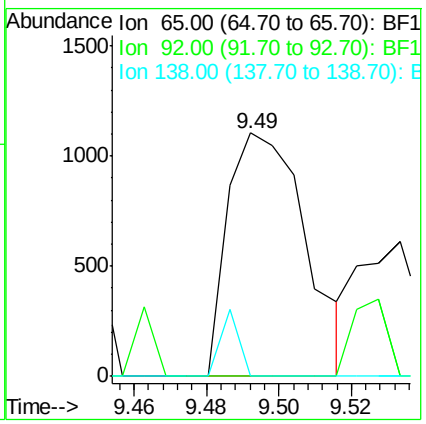


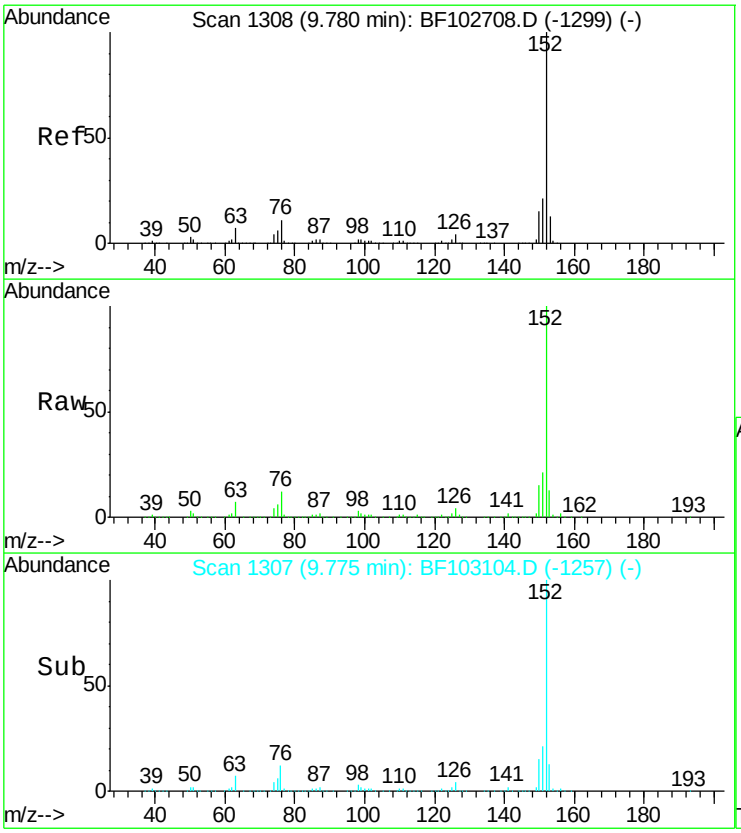
#47
2-Nitroaniline
Concen: 3.73 ng
RT: 9.49 min Scan# 1259
Delta R.T. 0.03 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 65 Resp: 1647

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#

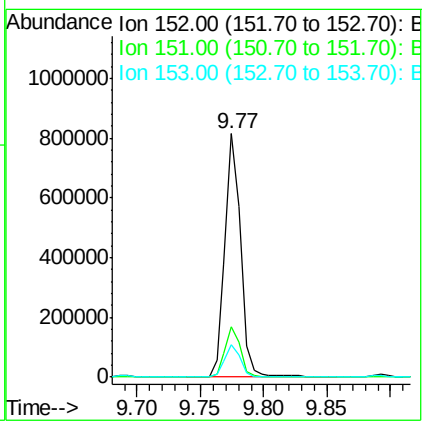


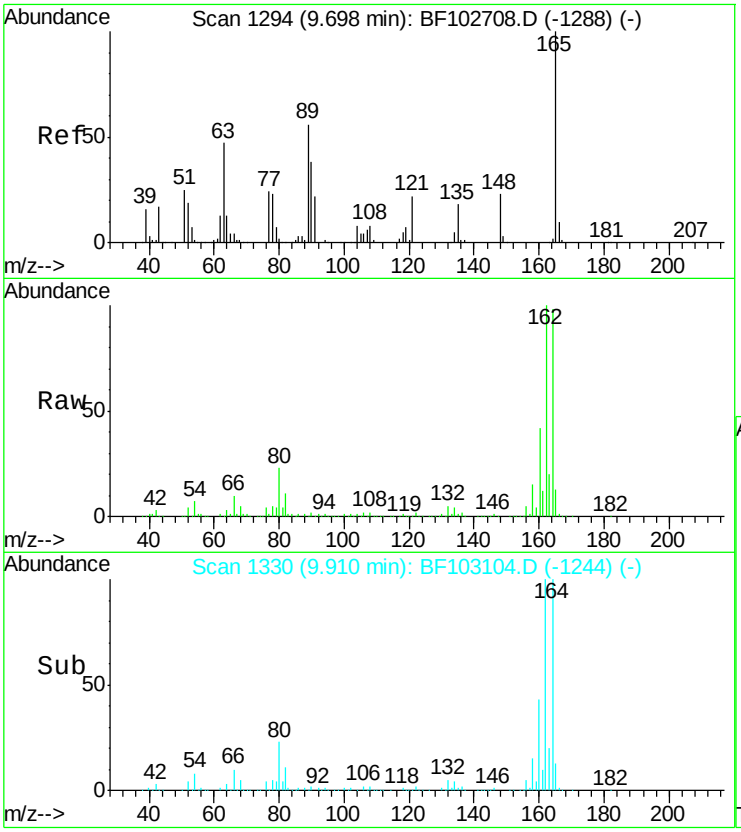


#48
Acenaphthylene
Concen: 23.84 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:152 Resp: 703042

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.2	10.7	16.1



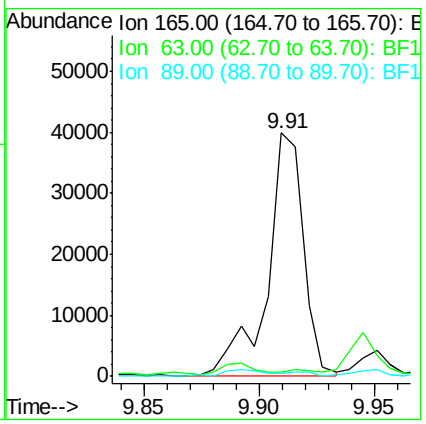


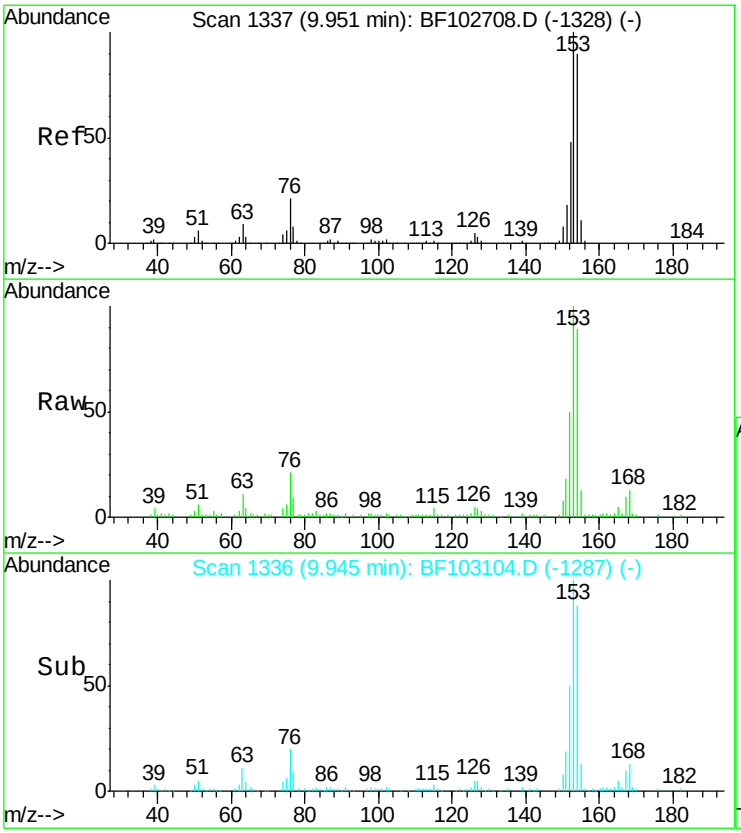
#50
2,6-Dinitrotoluene
Concen: 10.25 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 43547

Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.4	44.0	66.0#

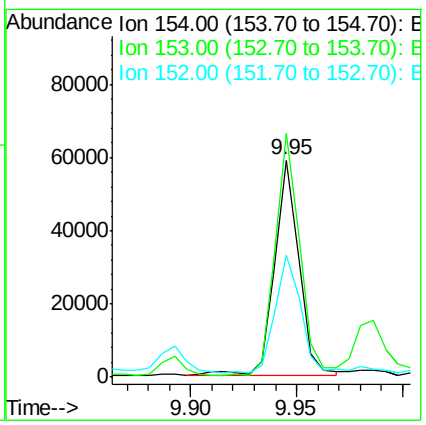


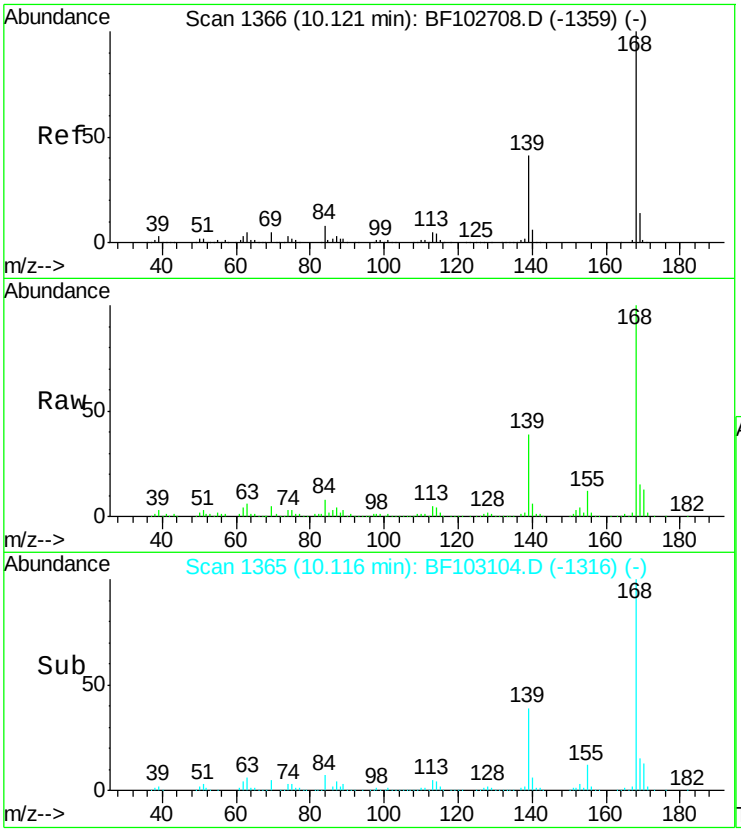


#51
Acenaphthene
Concen: 2.65 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:154 Resp: 46788

Ion	Ratio	Lower	Upper
154	100		
153	112.3	91.2	136.8
152	56.4	43.8	65.8



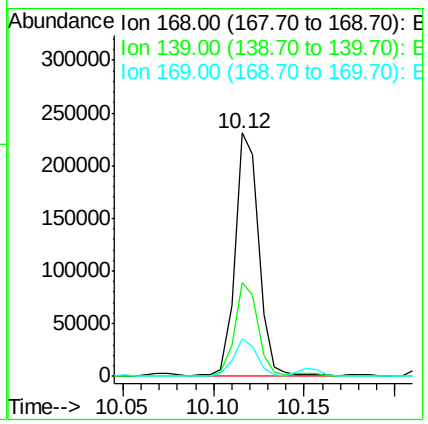


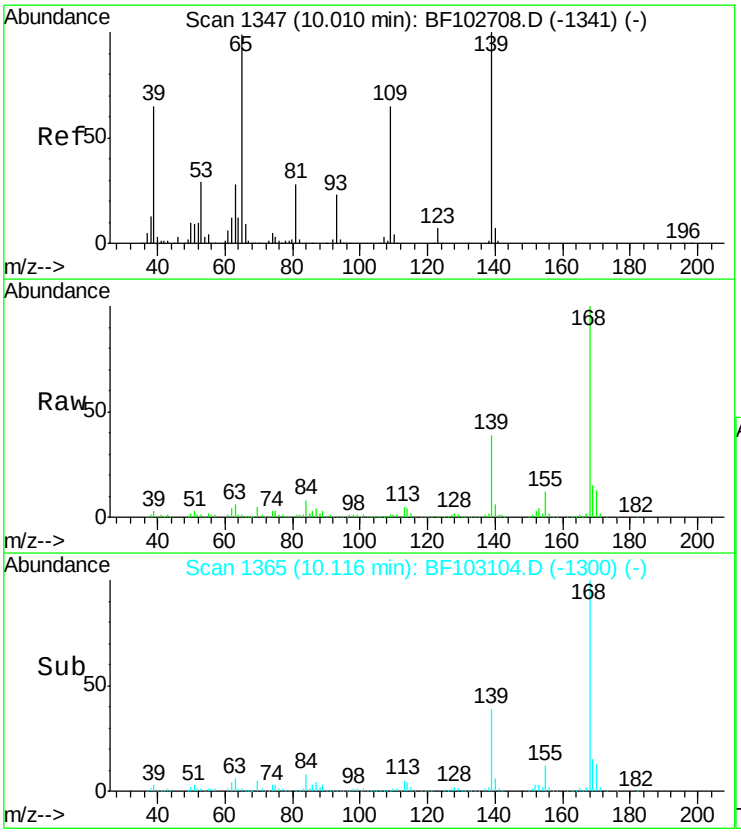
#54
Dibenzofuran
Concen: 8.32 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 206711

Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.1	45.1
169	15.2	10.9	16.3

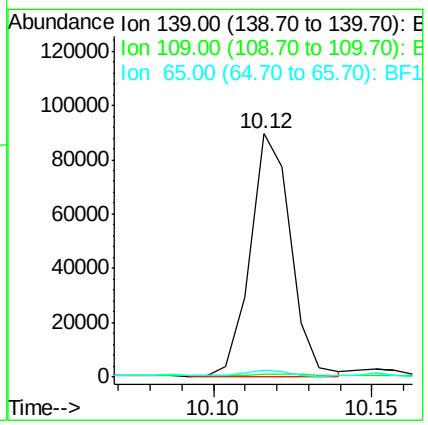


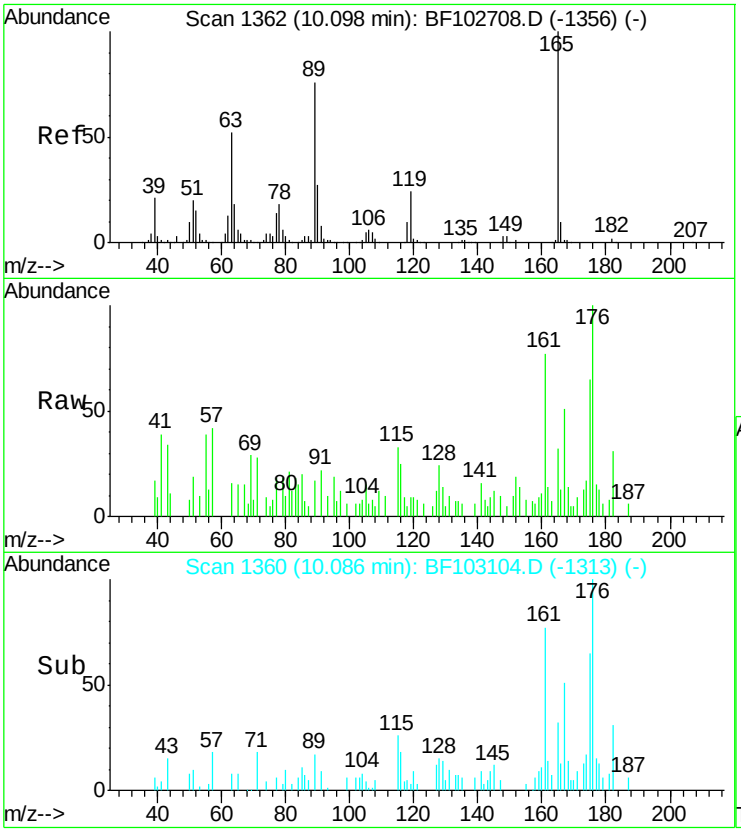


#55
4-Nitrophenol
Concen: 21.50 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.08 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:139 Resp: 79040

Ion	Ratio	Lower	Upper
139	100		
109	1.3	48.4	88.4#
65	2.8	72.6	112.6#



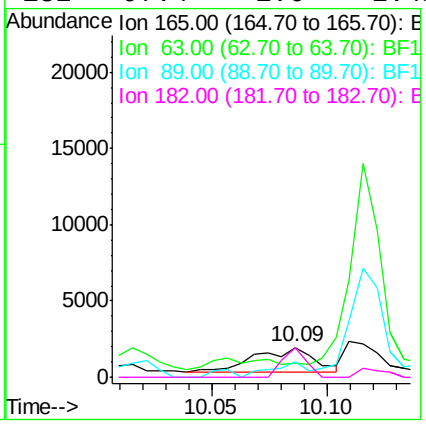


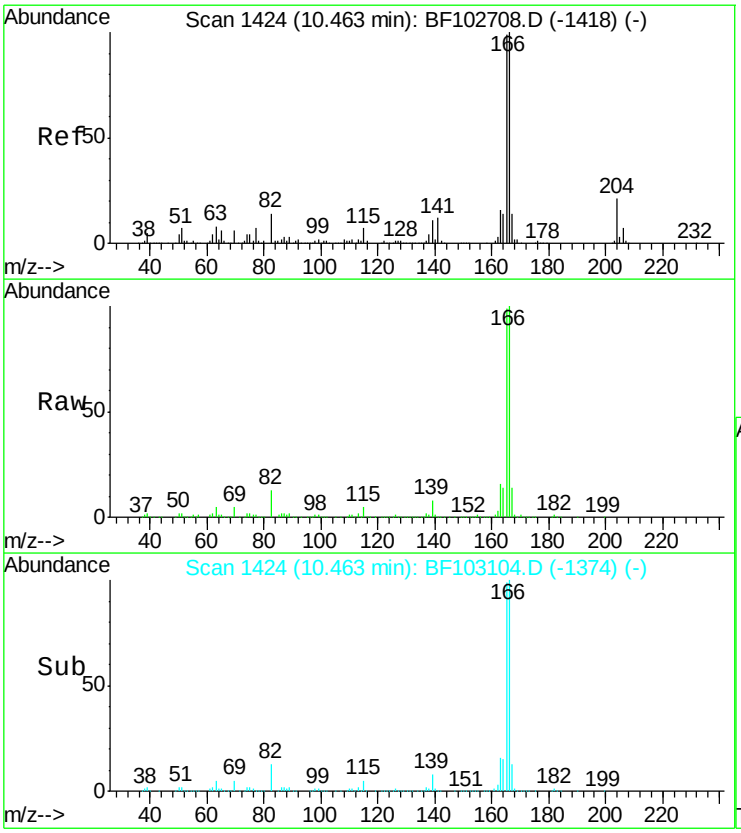
#56
2,4-Dinitrotoluene
Concen: 3.53 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 2777

Ion	Ratio	Lower	Upper
165	100		
63	49.5	36.4	54.6
89	52.6	57.8	86.6#
182	97.4	1.6	2.4#

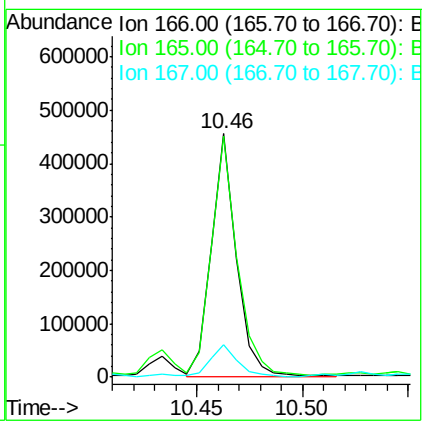


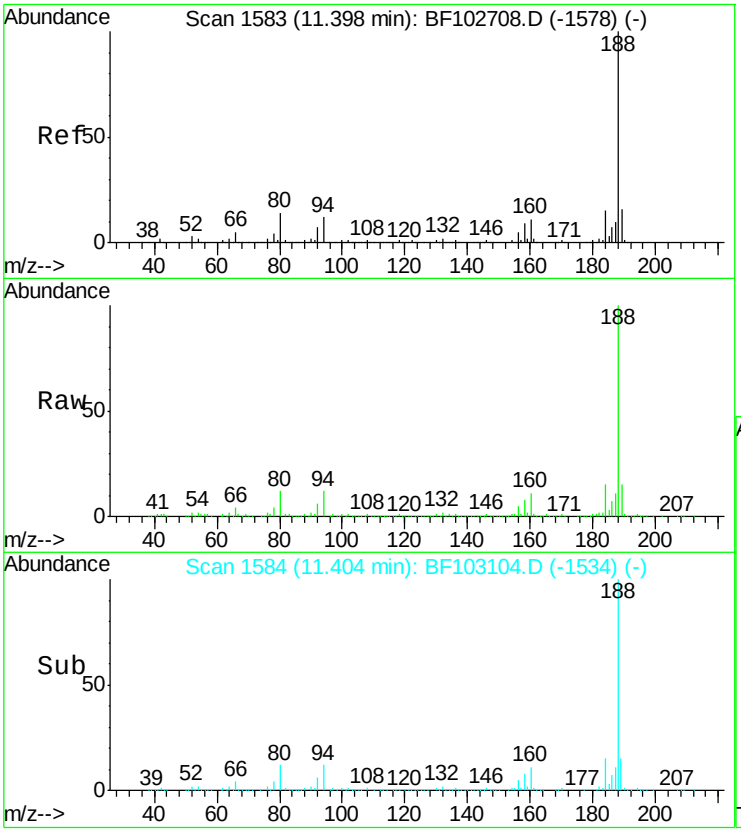


#57
Fluorene
Concen: 20.90 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:166 Resp: 377858

Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.8	119.8
167	13.6	10.6	16.0



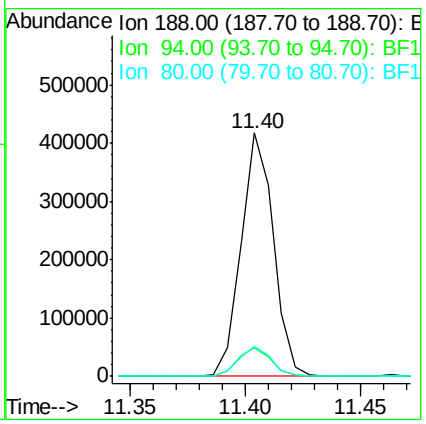


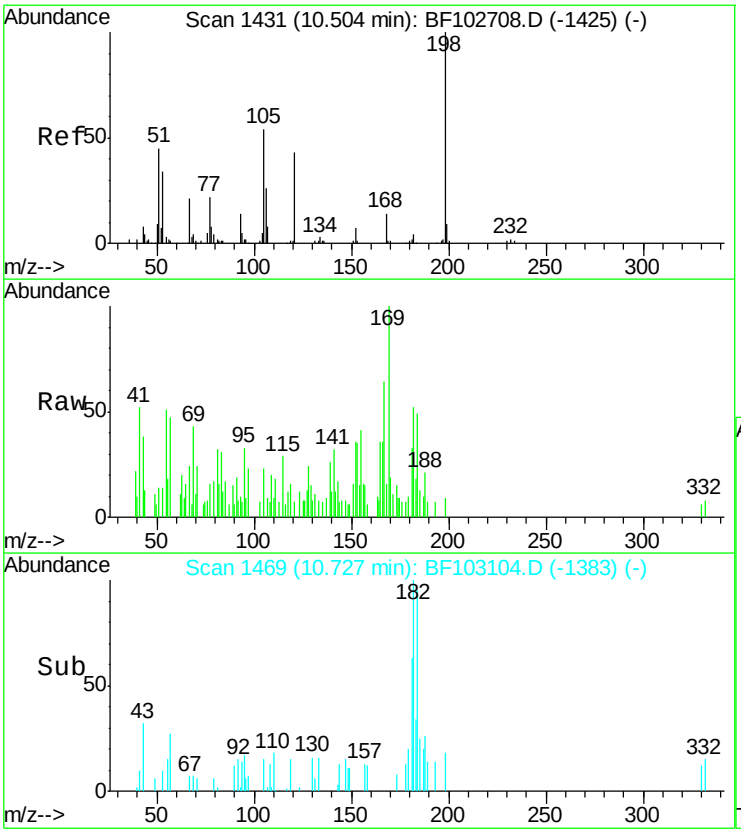
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 409314

Ion	Ratio	Lower	Upper
188	100		
94	11.9	8.5	12.7
80	12.4	9.2	13.8

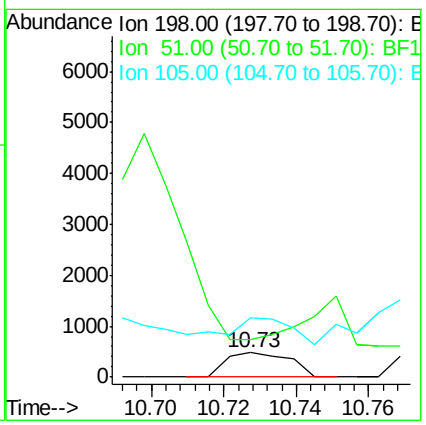


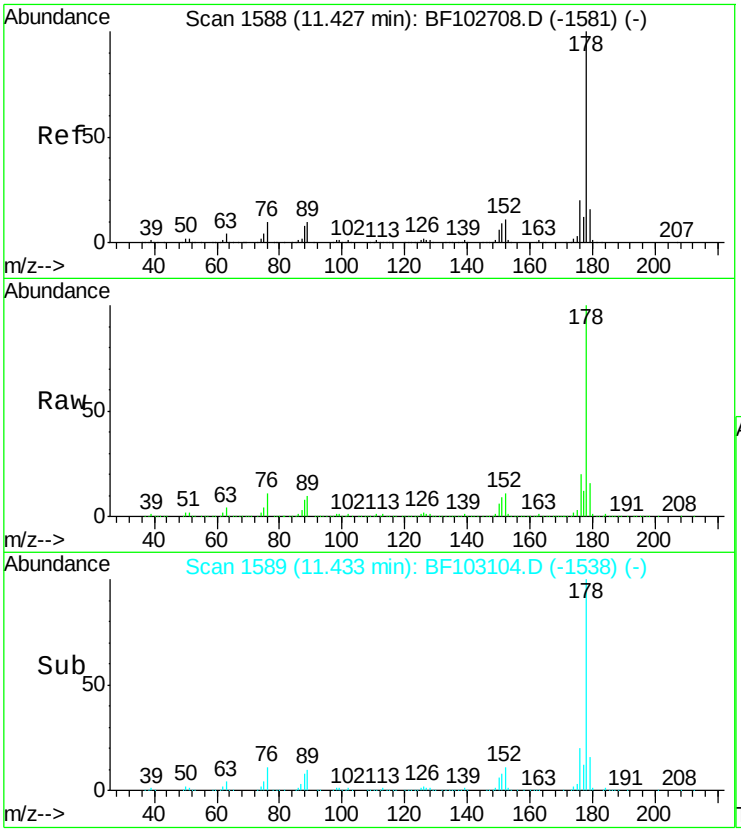


#64
4,6-Dinitro-2-methylphenol
Concen: 9.11 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.21 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:198 Resp: 582

Ion	Ratio	Lower	Upper
198	100		
51	156.1	37.7	77.7#
105	246.0	36.3	76.3#



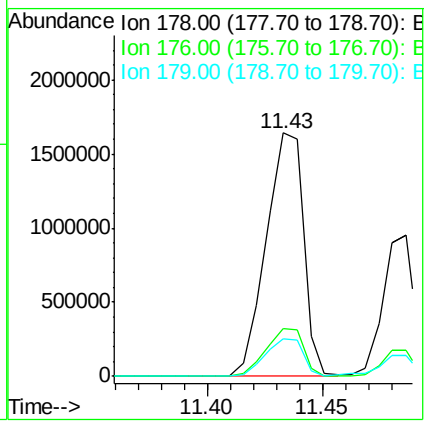


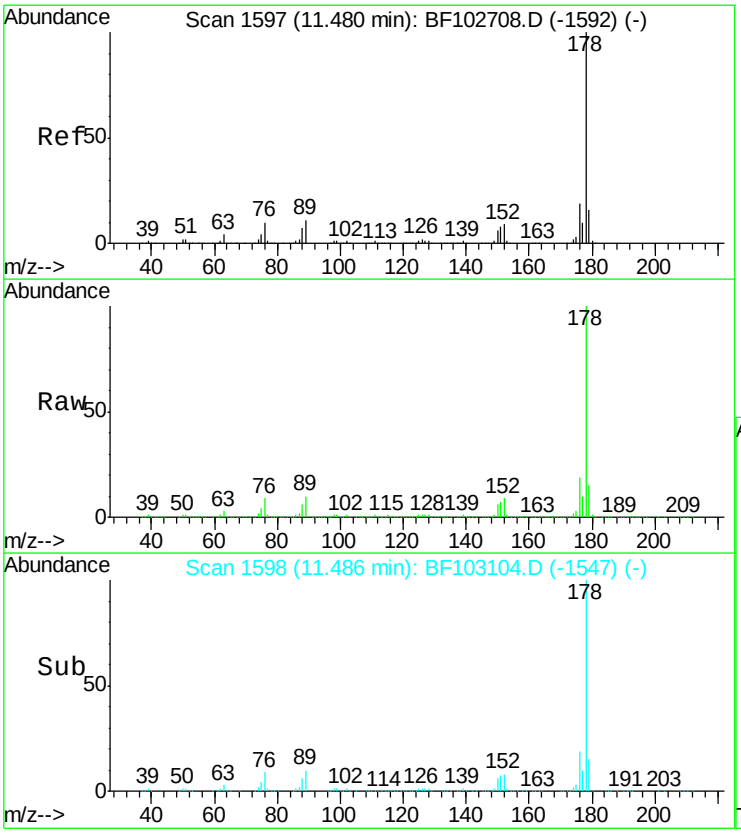
#70
Phenanthrene
Concen: 80.80 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 1841955

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.6	13.0	19.6

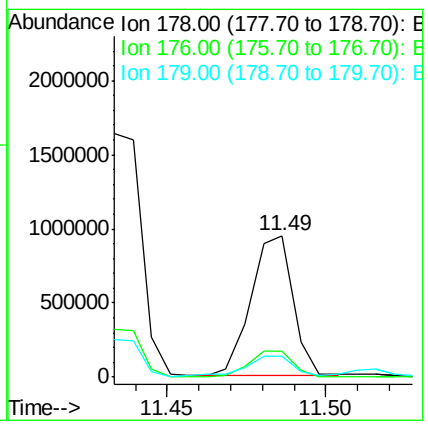


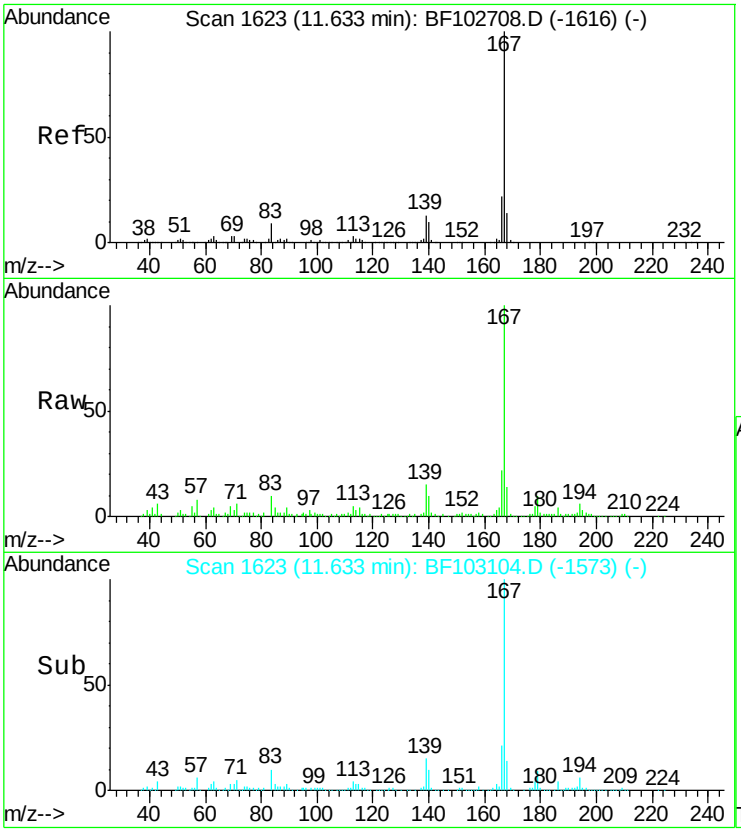


#71
Anthracene
Concen: 37.64 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:178 Resp: 872647

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.1	12.6	19.0



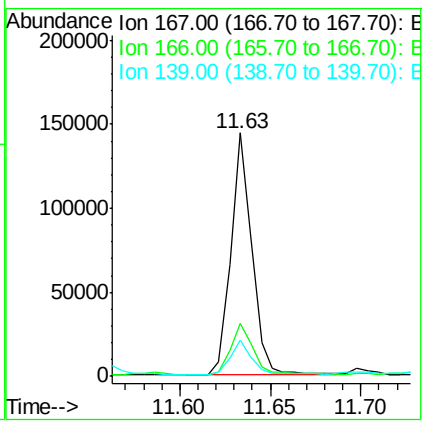


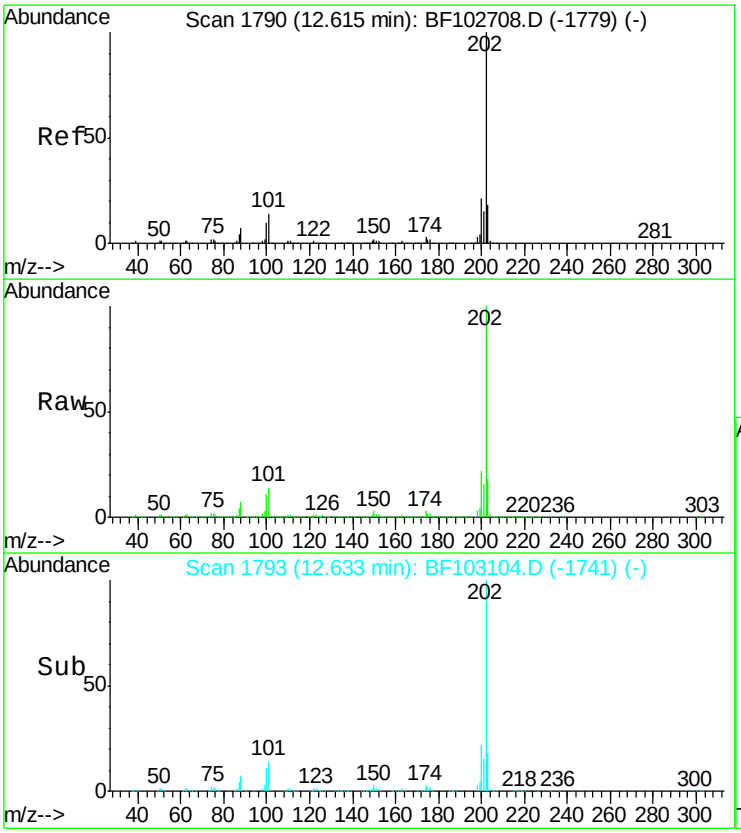
#72
Carbazole
Concen: 5.22 ng
RT: 11.63 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 118574

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	15.0	10.9	16.3

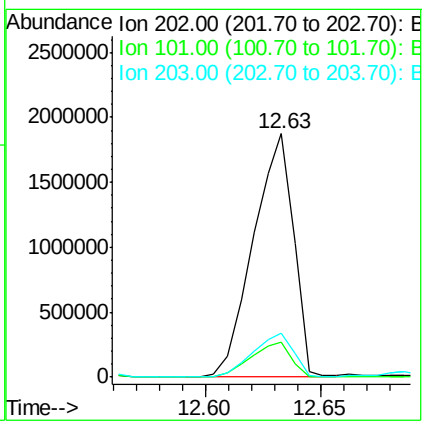


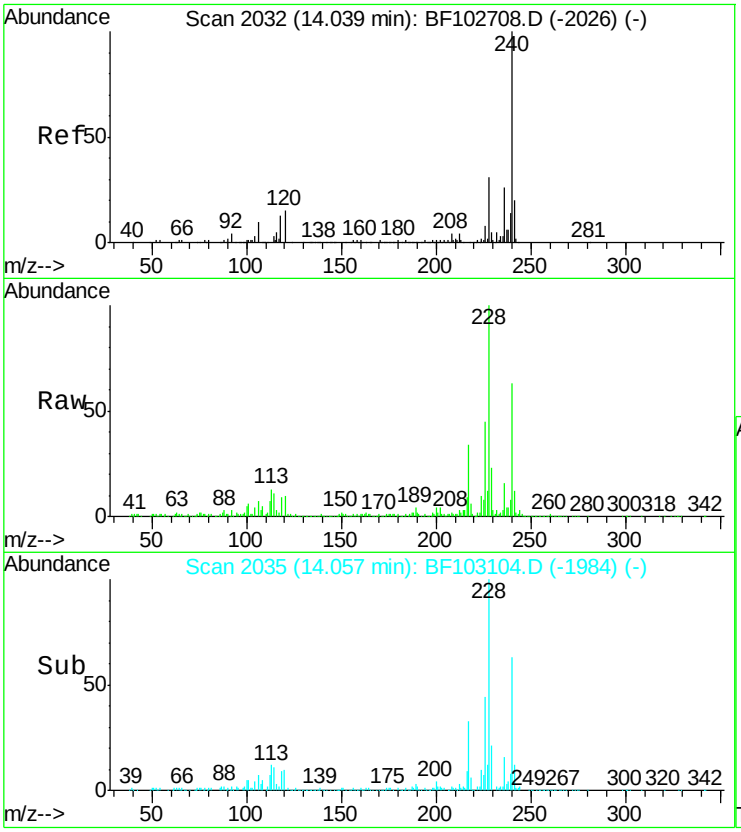


#74
Fluoranthene
Concen: 98.57 ng
RT: 12.63 min Scan# 1793
Delta R.T. 0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:202 Resp: 2260662

Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	34.1
203	17.9	0.0	38.1



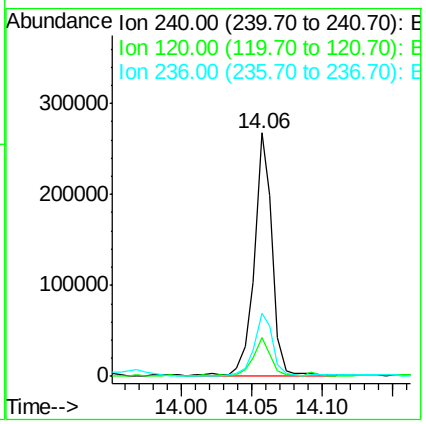


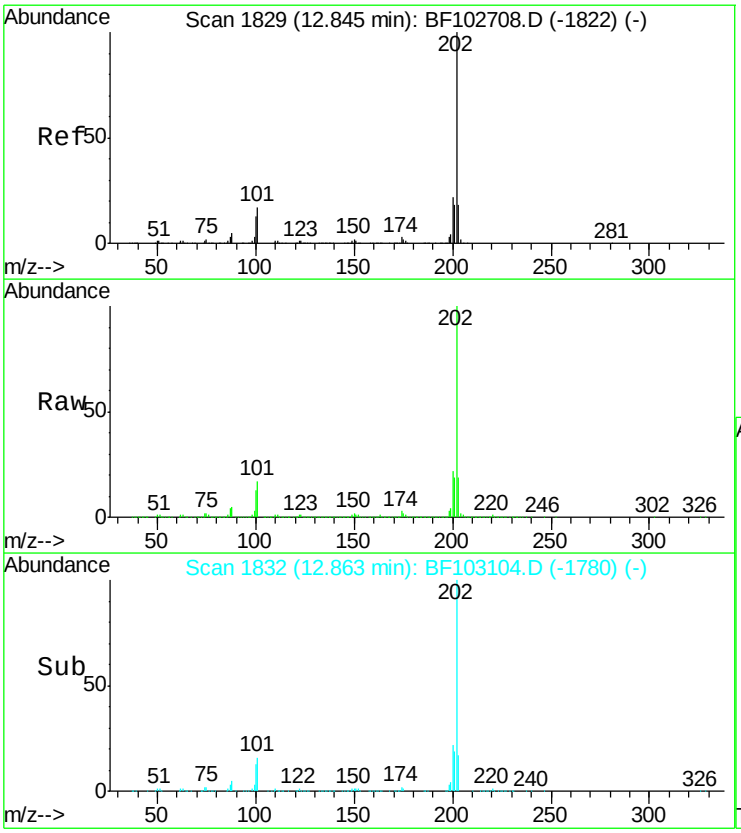
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 236055

Ion	Ratio	Lower	Upper
240	100		
120	15.7	9.5	14.3#
236	26.0	20.7	31.1

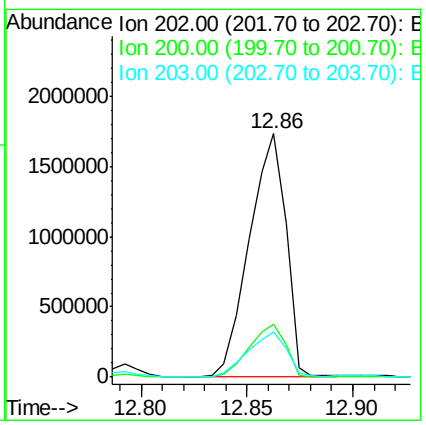


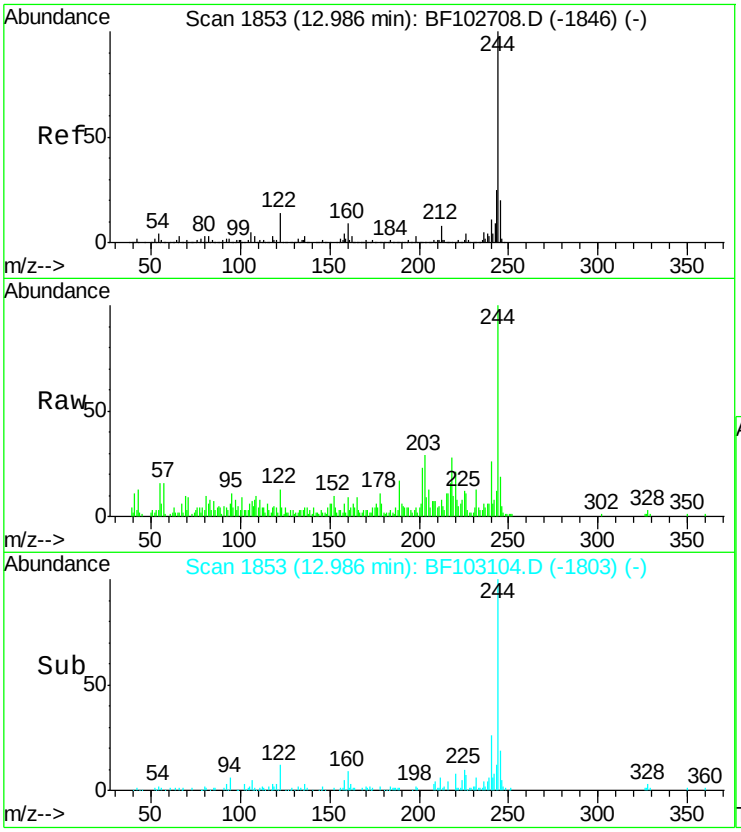


#77
Pyrene
Concen: 112.14 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:202 Resp: 2075777

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.6	14.3	21.5



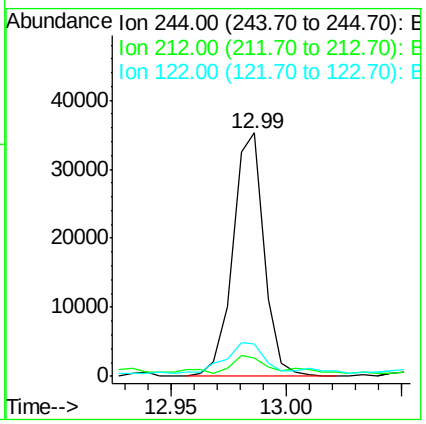


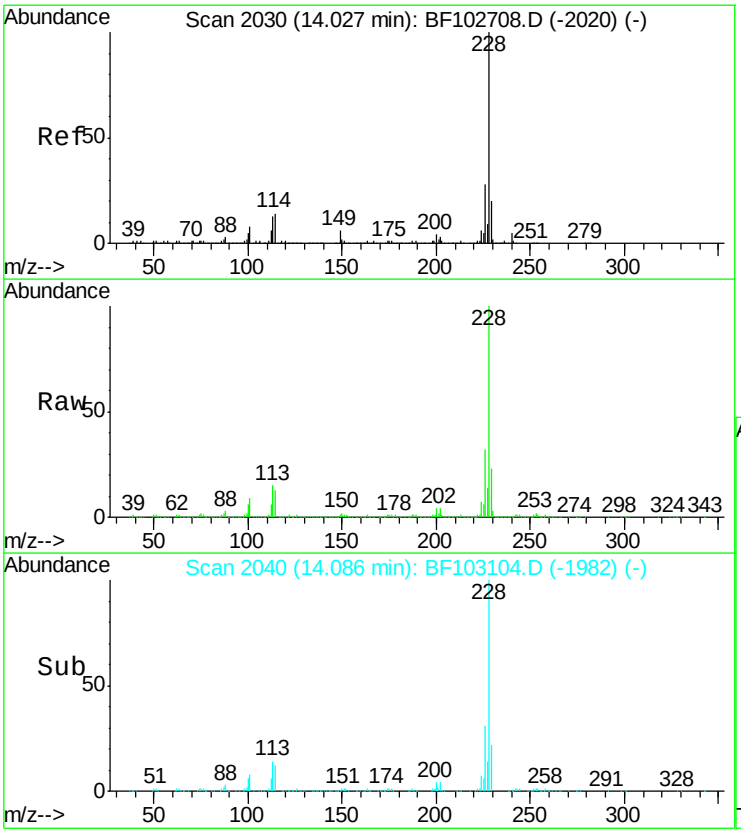
#78
Terphenyl-d14
Concen: 3.35 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 33386

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.4	8.0
122	13.4	11.0	16.4

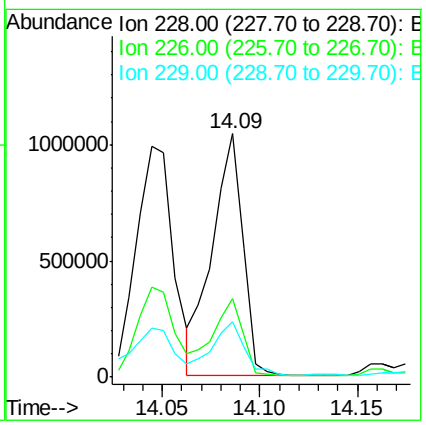


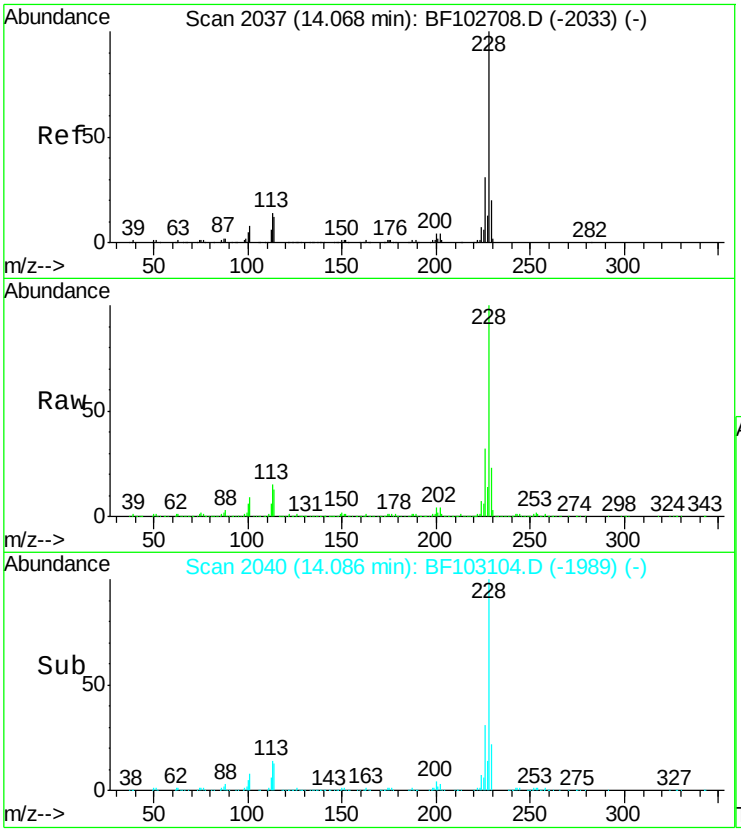


#80
Benzo(a)anthracene
Concen: 76.68 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.04 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:228 Resp: 1138344

Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.6	33.8
229	22.9	15.8	23.6



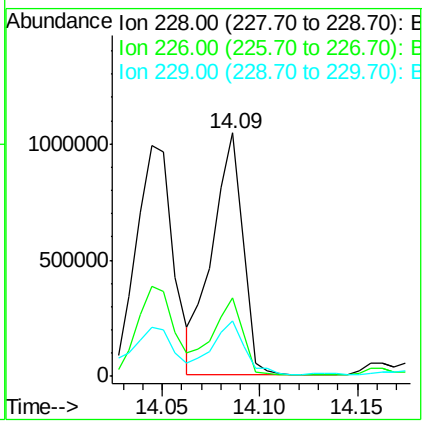


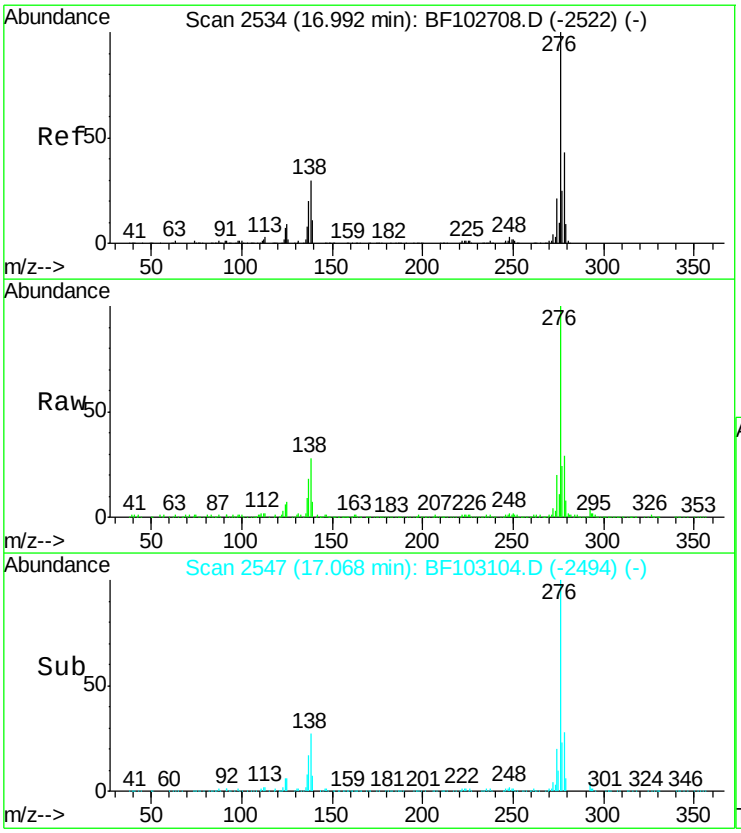
#82
Chrysene
Concen: 76.07 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 1138344

Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	22.9	16.2	24.4

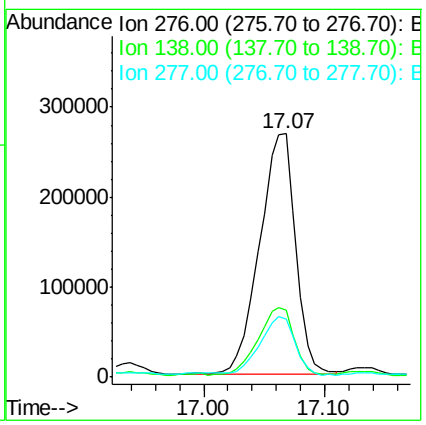


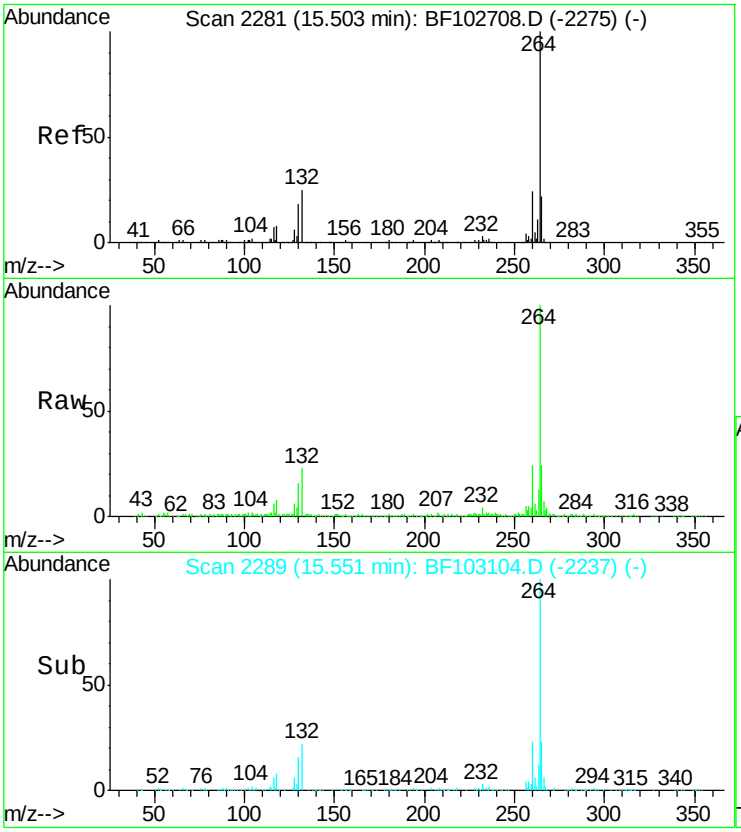


#85
Indeno(1,2,3-cd)pyrene
Concen: 44.64 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:276 Resp: 554065

Ion	Ratio	Lower	Upper
276	100		
138	27.6	25.0	37.6
277	23.5	20.1	30.1



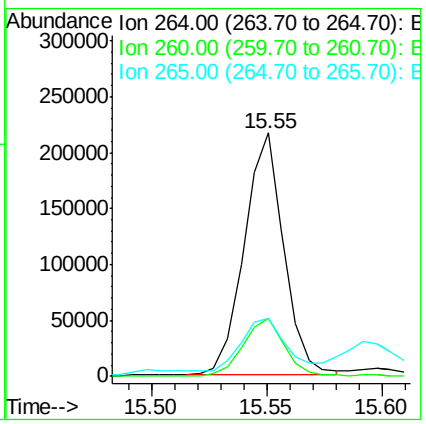


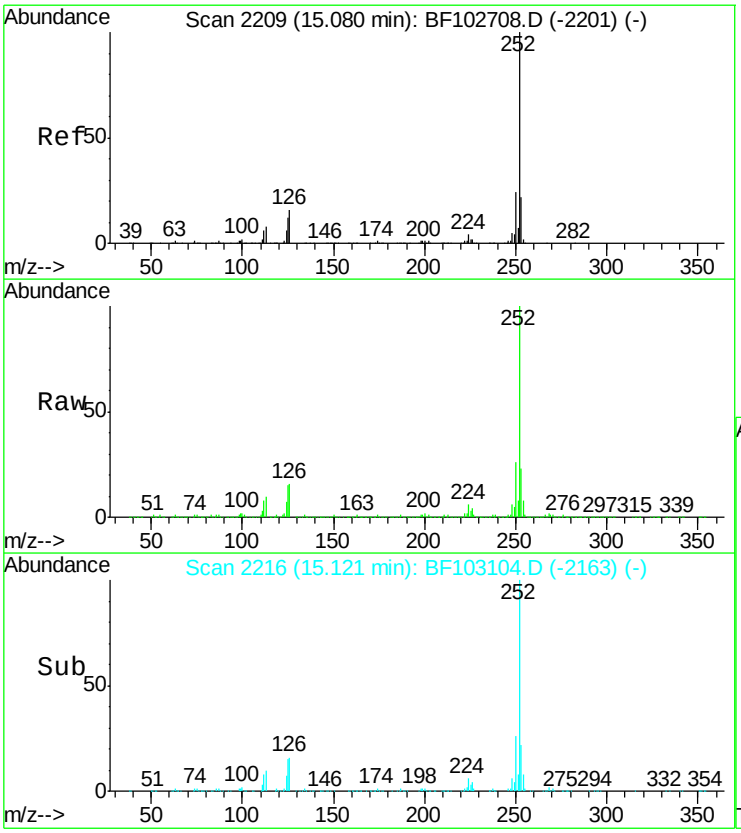
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 257936

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	23.8	17.5	26.3

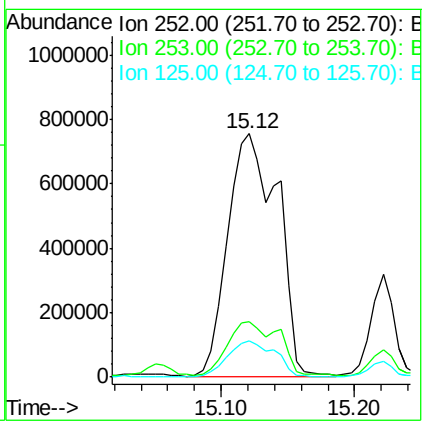


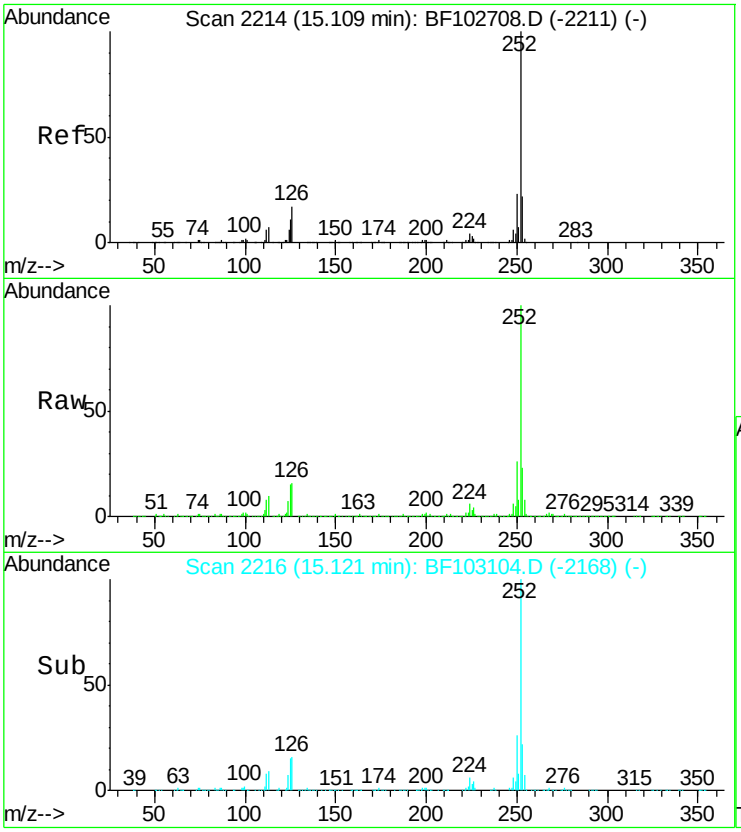


#87
Benzo(b)fluoranthene
Concen: 117.06 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:252 Resp: 1957603

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	14.8	9.0	13.6#



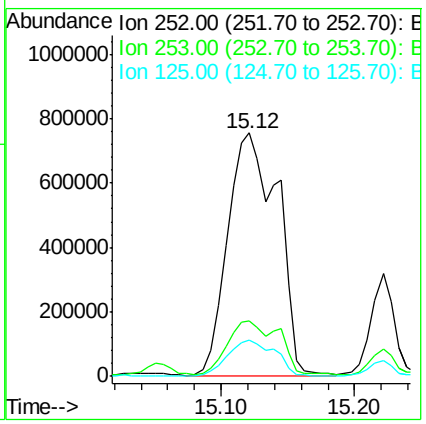


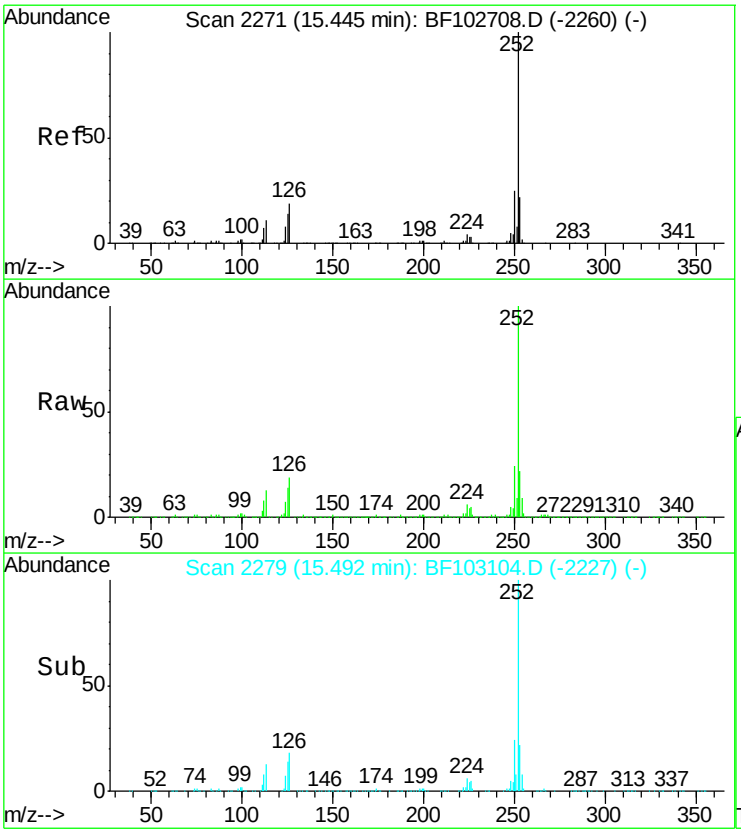
#88
Benzo(k)fluoranthene
Concen: 122.51 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1957603

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	14.8	10.2	15.2

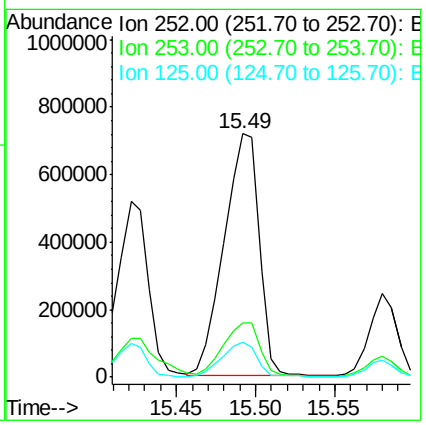


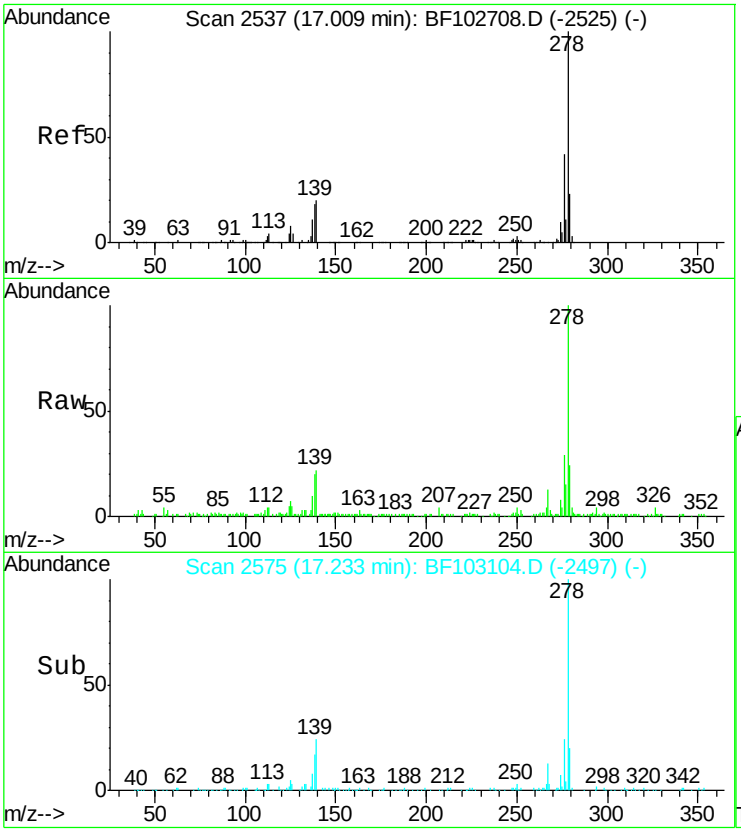


#89
Benzo(a)pyrene
Concen: 73.15 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:252 Resp: 1101046

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	14.3	9.8	14.6



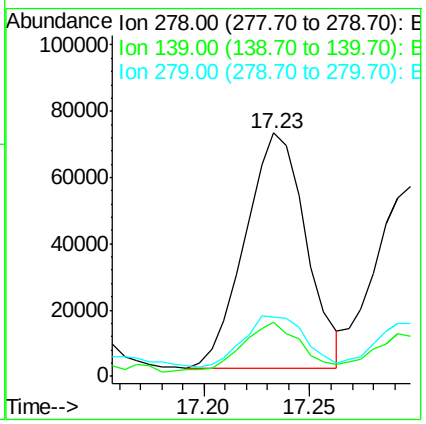


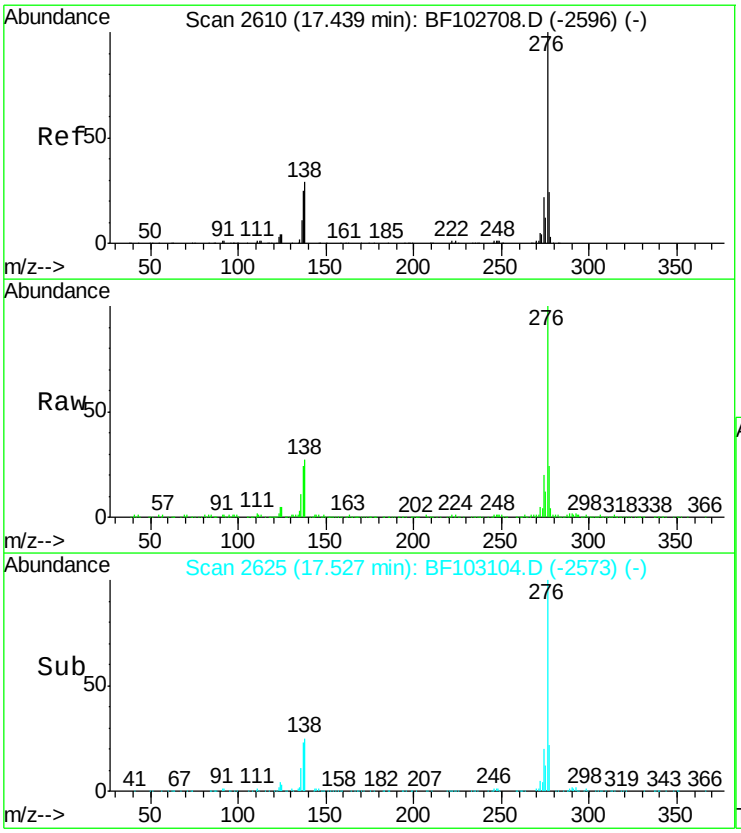
#90
Dibenzo(a,h)anthracene
Concen: 11.69 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.16 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 142794

Ion	Ratio	Lower	Upper
278	100		
139	22.4	15.9	23.9
279	24.4	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 42.07 ng
RT: 17.53 min Scan# 2625
Delta R.T. 0.01 min
Lab File: BF103104.D
Acq: 20 Feb 2018 1:48

Tgt Ion:276 Resp: 503056

Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	27.2	21.8	32.8