Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
Data File : BF102937.D
Acq On : 12 Feb 2018 23:39
Operator : SJ/JU
Sample : J1522-01MS 50X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Feb 13 02:22:26 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	175917	20.00	ng		0.00
21) Naphthalene-d8	8.17	136	692559	20.00	ng		0.00
38) Acenaphthene-d10	9.92	164	281192	20.00	ng		0.00
63) Phenanthrene-d10	11.41	188	383028	20.00	ng		0.00
75) Chrysene-d12	14.06	240	296253	20.00	ng		0.00
86) Perylene-d12	15.54	264	282477	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	3478	0.30	ng		0.00
7) Phenol-d6	6.50	99	5008	0.36	ng		0.00
23) Nitrobenzene-d5	7.44	82	3109	0.31	ng		-0.01
41) 2,4,6-Tribromophenol	10.72	330	373	0.16	ng		0.00
44) 2-Fluorobiphenyl	9.24	172	6586	0.39	ng		0.00
78) Terphenyl-d14	12.99	244	5010	0.40	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.52	94	37408	2.50	ng		97
20) 3+4-Methylphenols	7.28	107	31352	2.31	ng		89
26) 2-Nitrophenol	7.78	139	160	8.69	ng	#	44
31) Naphthalene	8.19	128	2745633	81.14	ng		98
32) Benzoic acid	7.95	122	9338	9.85	ng	#	19
33) 4-Chloroaniline	8.19	127	374999	25.73	ng	#	33
35) Caprolactam	8.88	113	8000	2.61	ng	#	1
37) 2-Methylnaphthalene	8.88	142	341744	15.43	ng		99
45) 1,1'-Biphenyl	9.34	154	116699	4.93	ng		99
47) 2-Nitroaniline	9.47	65	972	3.63	ng	#	80
48) Acenaphthylene	9.78	152	602554	20.81	ng		99
50) 2,6-Dinitrotoluene	9.92	165	41176	9.87	ng	#	26
51) Acenaphthene	9.96	154	38223	2.21	ng		97
54) Dibenzofuran	10.13	168	408241	16.73	ng		98
55) 4-Nitrophenol	10.13	139	163591	40.86	ng	#	10
56) 2,4-Dinitrotoluene	10.10	165	1405	3.31	ng	#	77
57) Fluorene	10.47	166	450745	25.38	ng		100
70) Phenanthrene	11.44	178	1533762	71.90	ng		99
71) Anthracene	11.49	178	623659	28.74	ng		99
72) Carbazole	11.64	167	258655	12.17	ng		99
74) Fluoranthene	12.63	202	1141962	53.21	ng		98
77) Pyrene	12.86	202	894402	38.50	ng		100
80) Benzo(a)anthracene	14.08	228	403703	21.67	ng		96
82) Chrysene	14.08	228	403703	21.49	ng		97
85) Indeno(1,2,3-cd)pyrene	17.03	276	133841	8.59	ng		97
87) Benzo(b)fluoranthene	15.10	252	624116	34.08	ng	#	96
88) Benzo(k)fluoranthene	15.10	252	624116	35.67	ng		99
89) Benzo(a)pyrene	15.21	252	110686	6.71	ng		93
90) Dibenzo(a,h)anthracene	17.22	278	32412	2.42	ng		98
91) Benzo(g,h,i)perylene	17.49	276	113000	8.63	ng		98

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
Data File : BF102937.D
Acq On : 12 Feb 2018 23:39
Operator : SJ/JU
Sample : J1522-01MS 50X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 13 02:22:26 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
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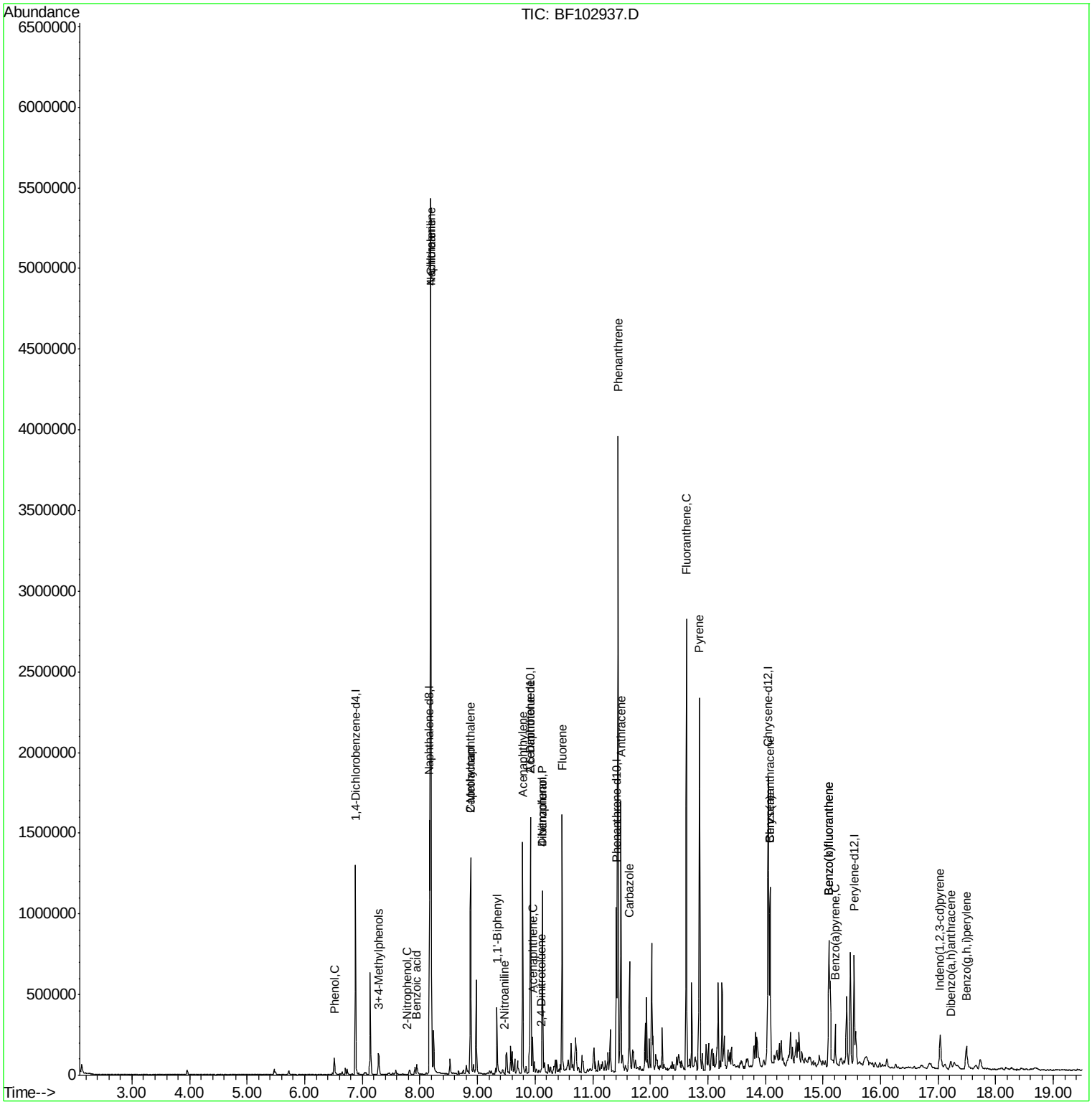
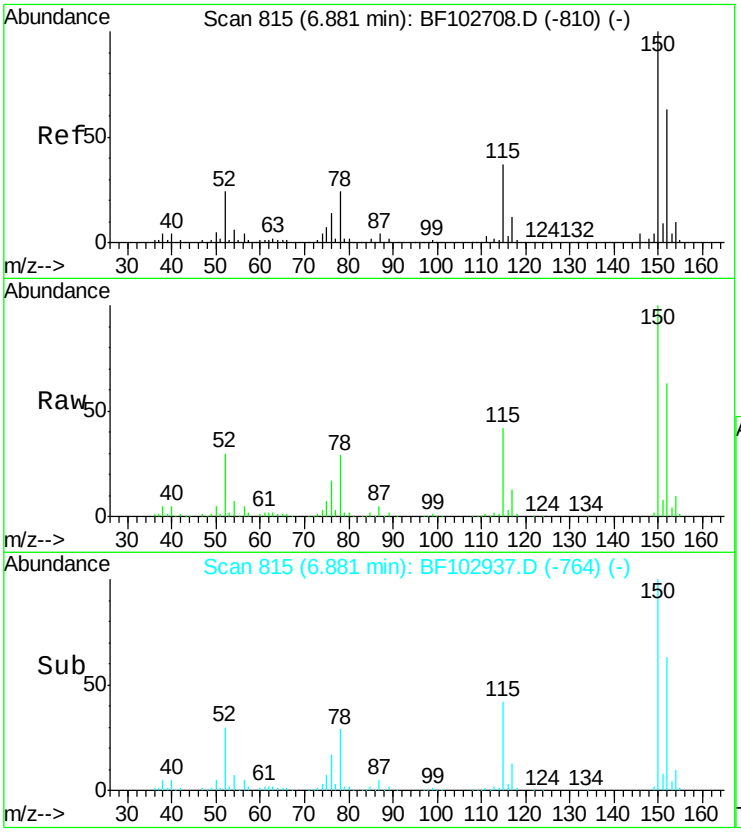


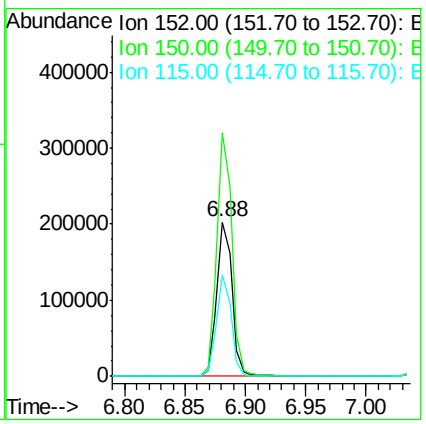


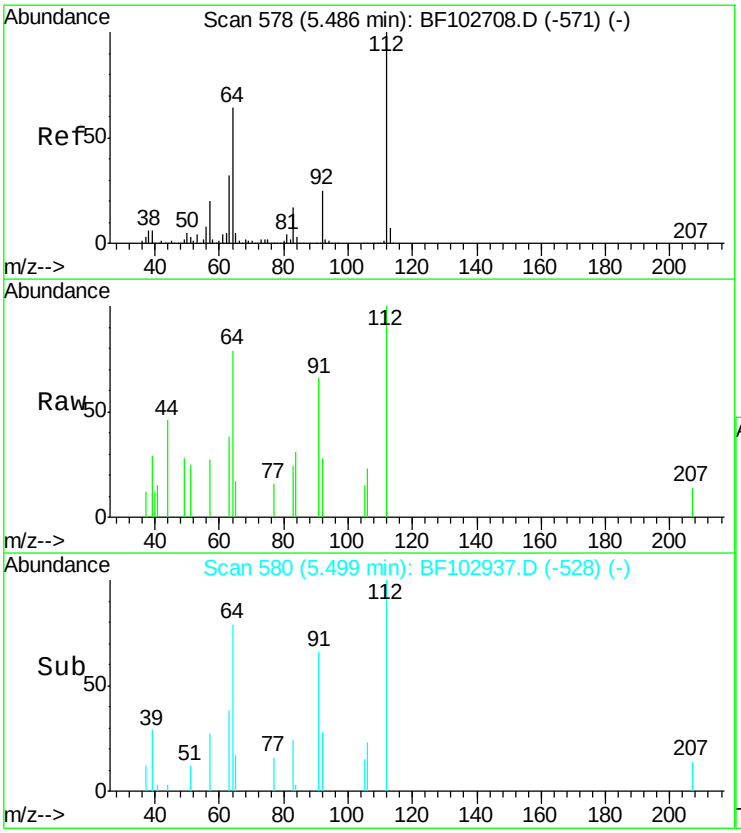
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 175917

Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	65.9	50.1	75.1

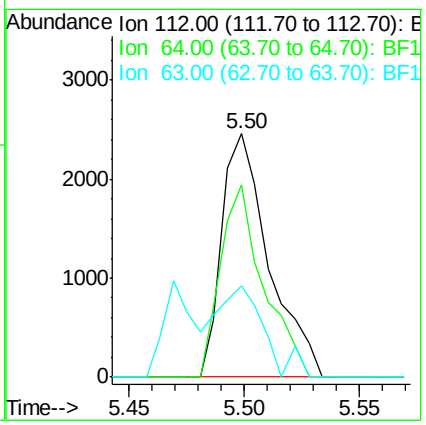


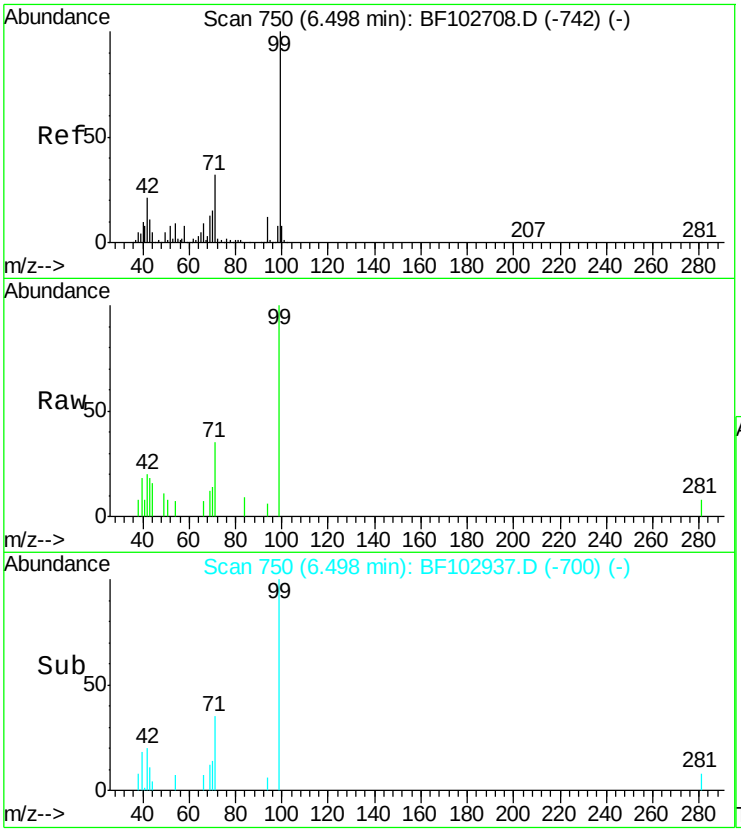


#5
2-Fluorophenol
Concen: 0.30 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:112 Resp: 3478

Ion	Ratio	Lower	Upper
112	100		
64	78.9	47.9	71.9#
63	37.7	23.7	35.5#



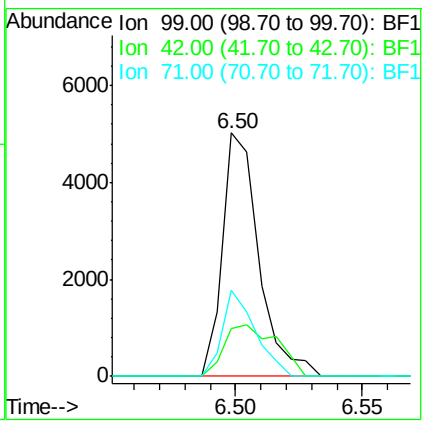


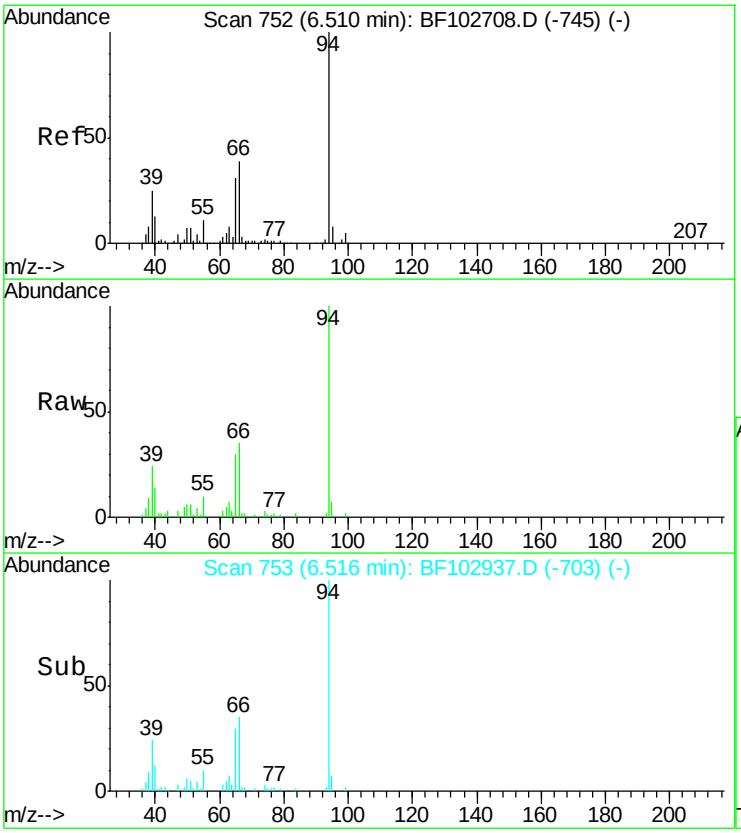
#7
Phenol-d6
Concen: 0.36 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 5008

Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.5	21.7
71	35.2	25.4	38.0

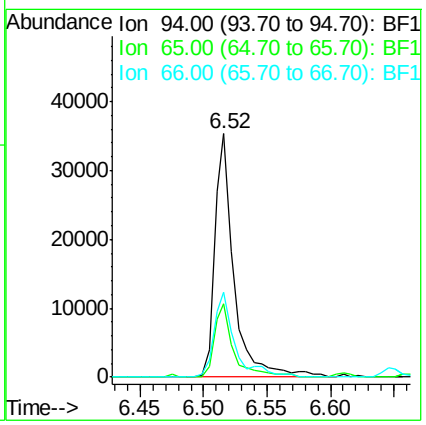


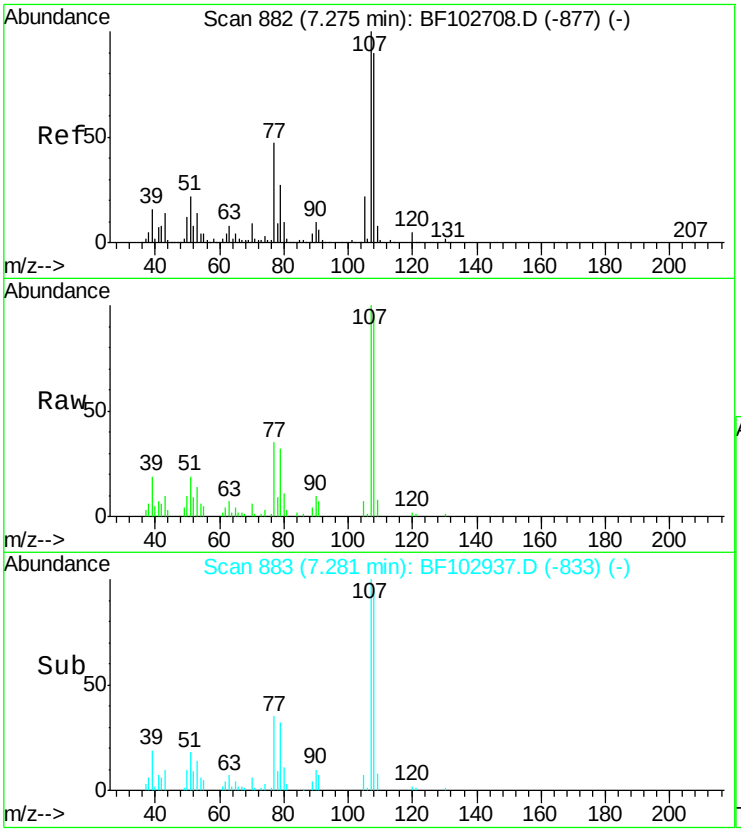


#10
Phenol
Concen: 2.50 ng
RT: 6.52 min Scan# 753
Delta R.T. -0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion: 94 Resp: 37408

Ion	Ratio	Lower	Upper
94	100		
65	30.1	7.9	47.9
66	34.9	16.2	56.2



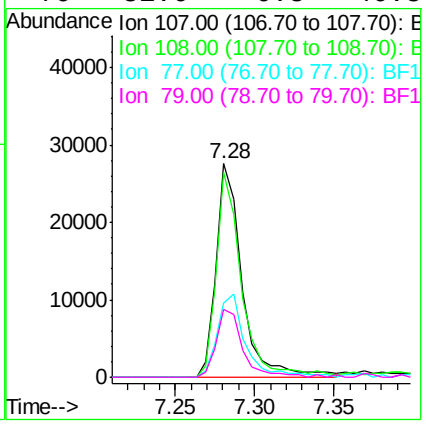


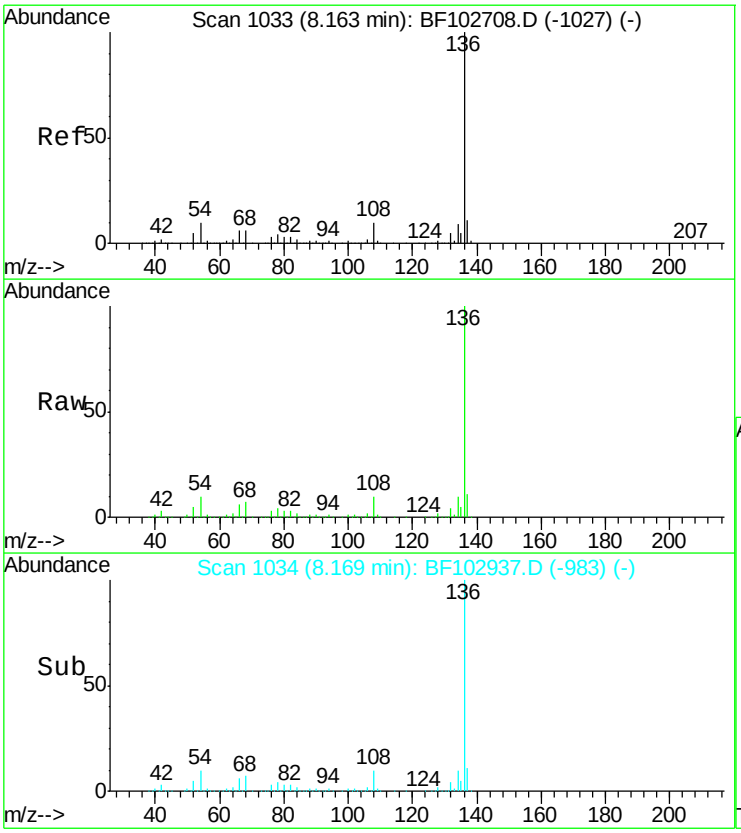
#20
3+4-Methylphenols
Concen: 2.31 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:107 Resp: 31352

Ion	Ratio	Lower	Upper
107	100		
108	95.7	68.2	108.2
77	34.6	26.7	66.7
79	31.6	6.3	46.3

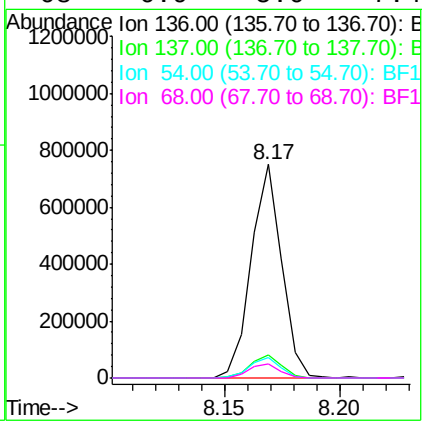


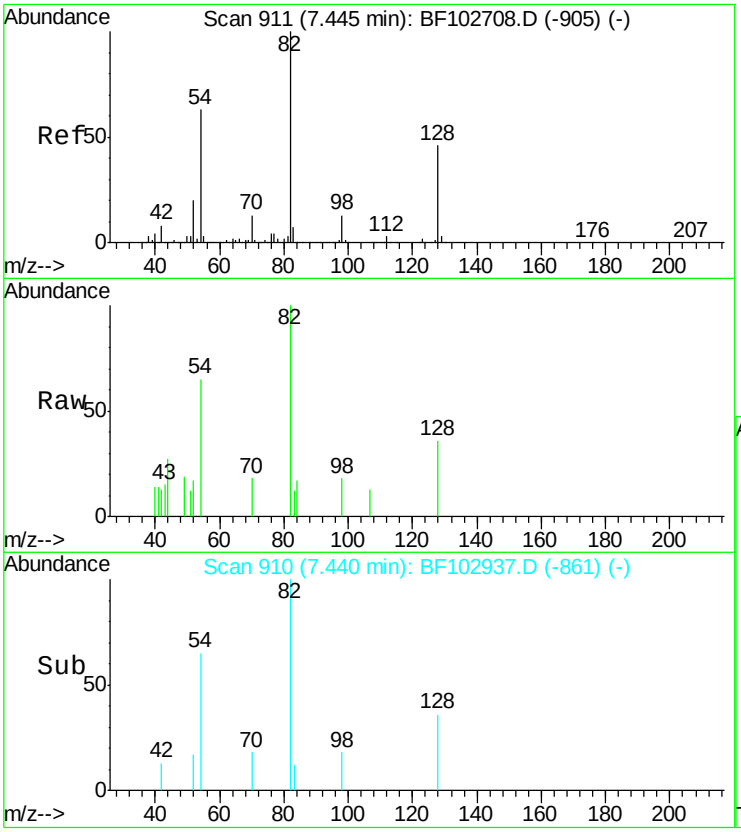


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:136 Resp: 692559

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.7	6.6	9.8
68	6.9	5.0	7.4



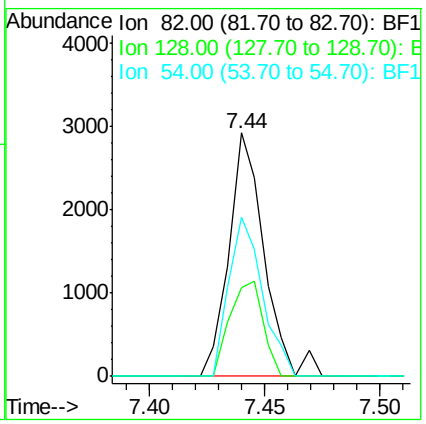


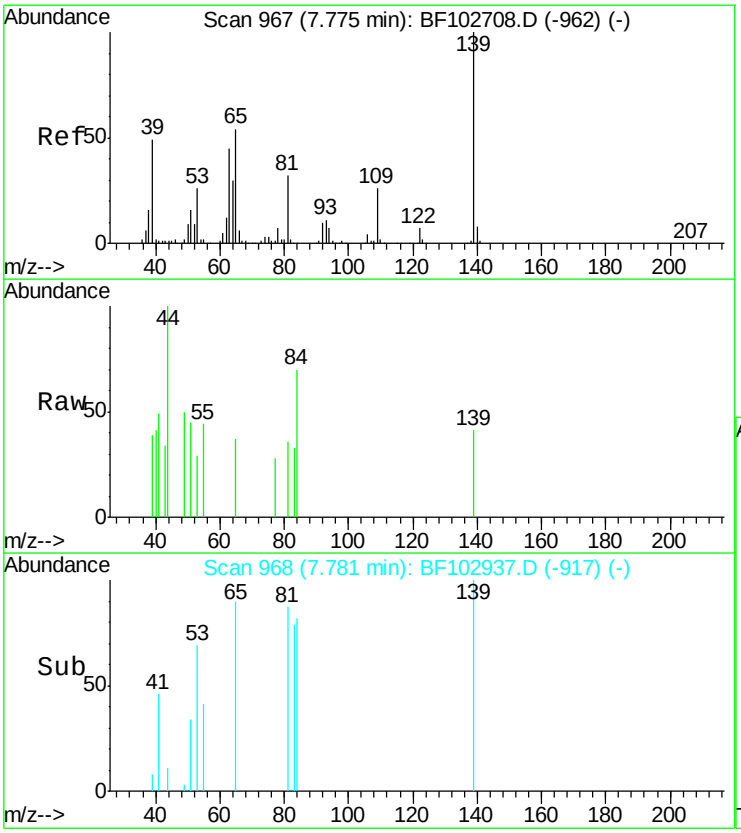
#23
Nitrobenzene-d5
Concen: 0.31 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 3109

Ion	Ratio	Lower	Upper
82	100		
128	36.2	36.1	54.1
54	65.4	41.4	62.2#

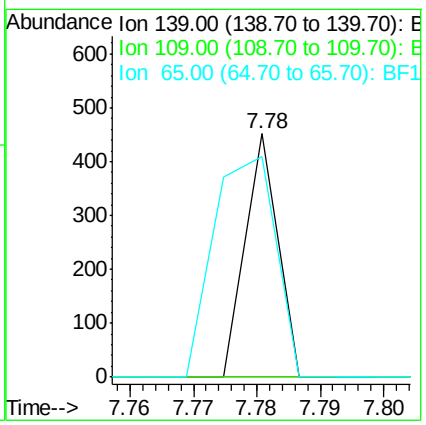


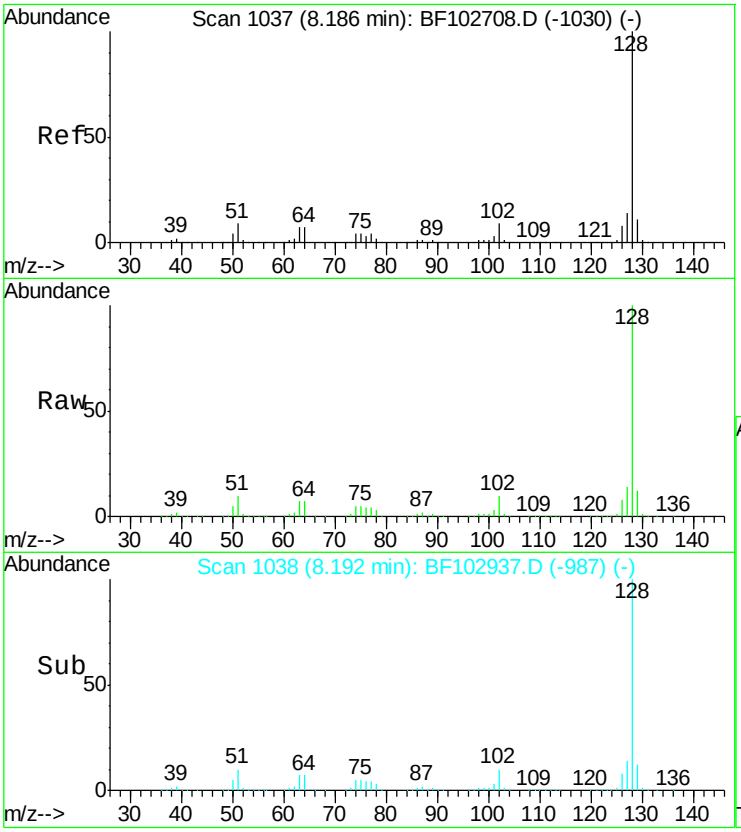


#26
2-Nitrophenol
Concen: 8.69 ng
RT: 7.78 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:139 Resp: 160

Ion	Ratio	Lower	Upper
139	100		
109	0.0	22.7	34.1#
65	90.5	40.5	60.7#



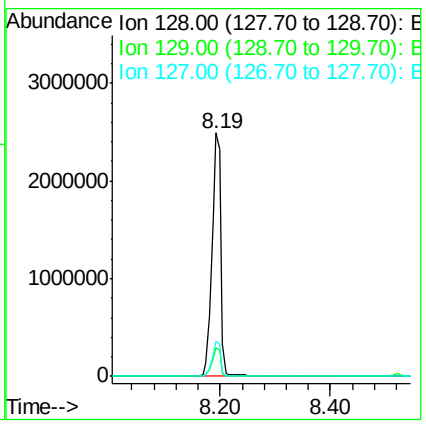


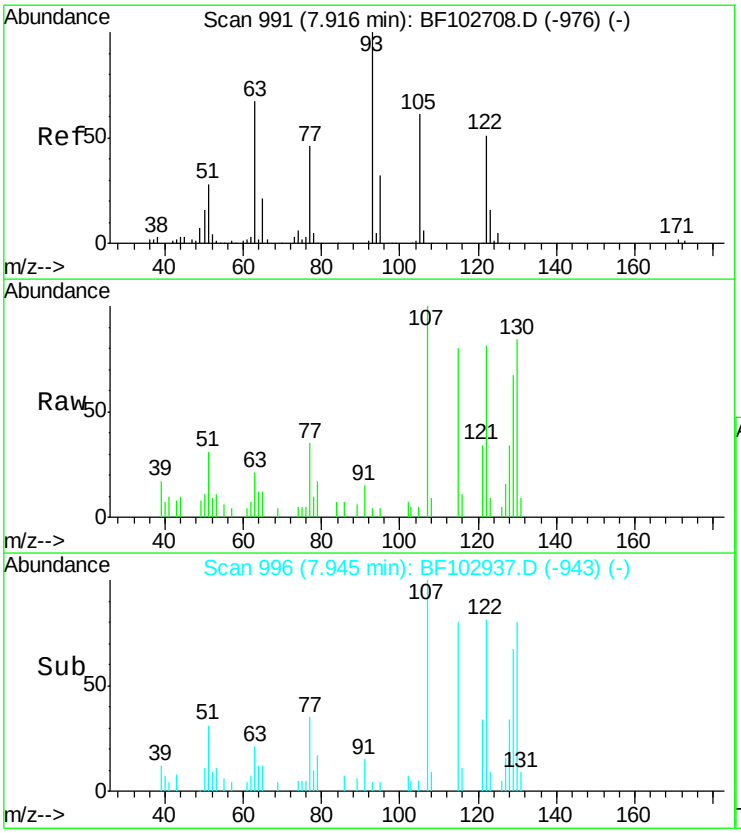
#31
Naphthalene
Concen: 81.14 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 2745633

Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.8	13.2
127	14.2	10.9	16.3

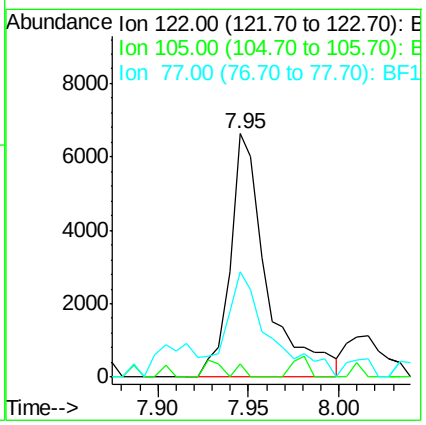


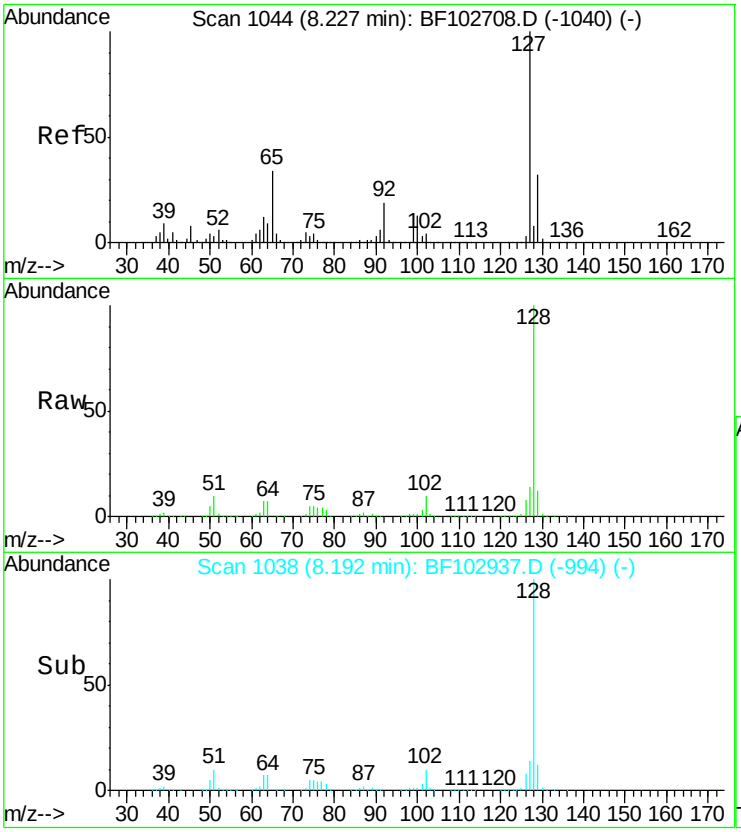


#32
Benzoic acid
Concen: 9.85 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:122 Resp: 9338

Ion	Ratio	Lower	Upper
122	100		
105	5.7	101.1	141.1#
77	43.2	70.7	110.7#



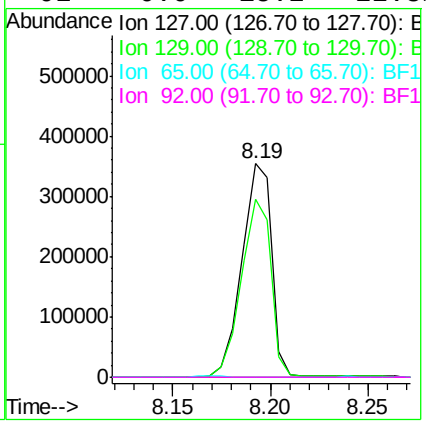


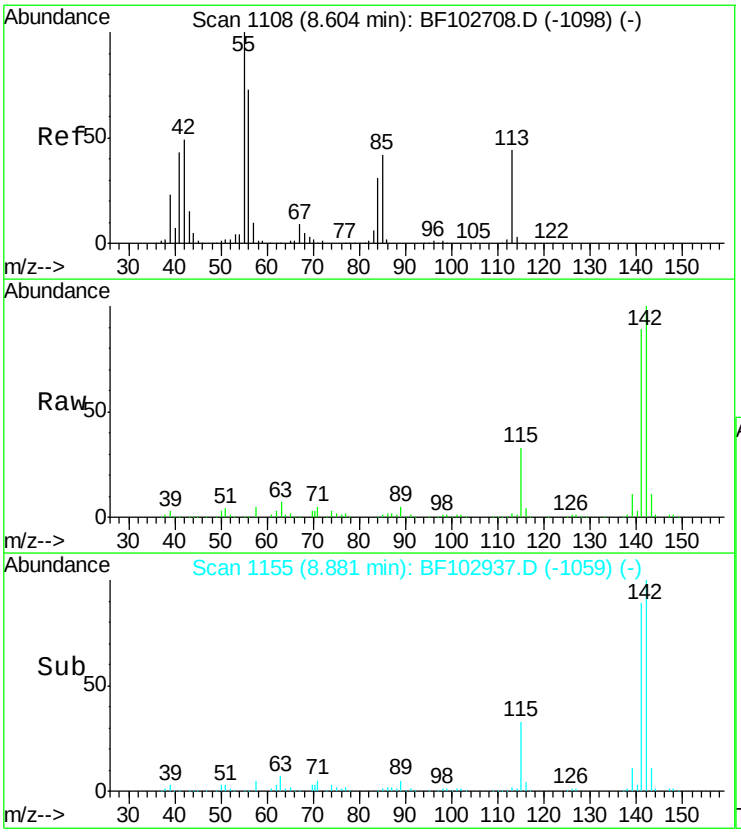
#33
4-Chloroaniline
Concen: 25.73 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.04 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:127 Resp: 374999

Ion	Ratio	Lower	Upper
127	100		
129	83.4	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

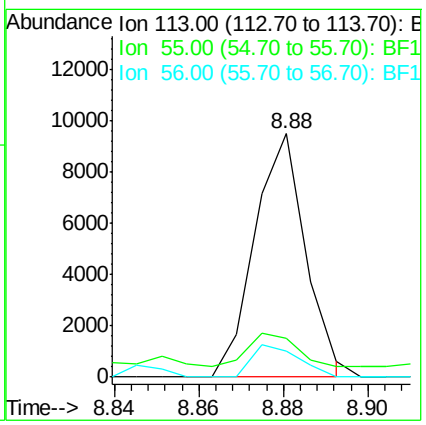


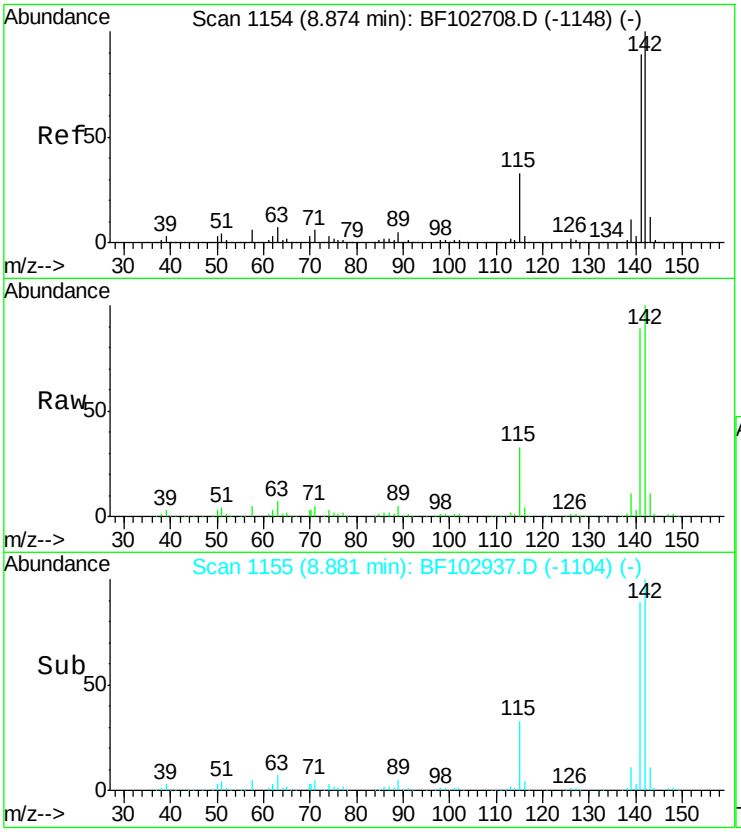


#35
Caprolactam
Concen: 2.61 ng
RT: 8.88 min Scan# 1155
Delta R.T. 0.26 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:113 Resp: 8000

Ion	Ratio	Lower	Upper
113	100		
55	15.8	163.3	203.3#
56	10.4	115.7	155.7#



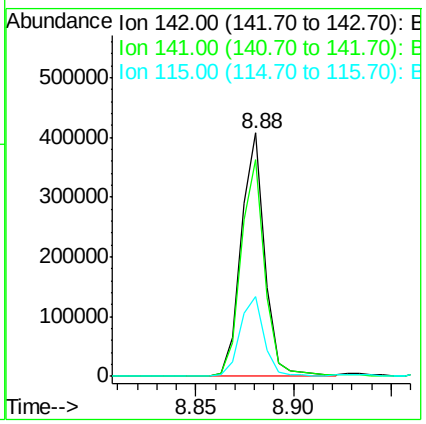


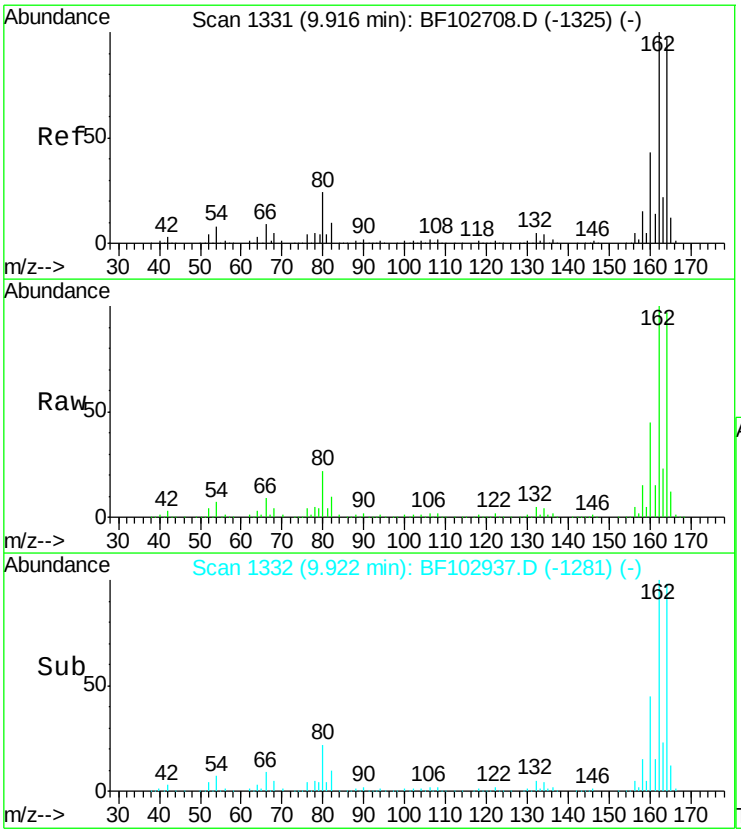
#37
2-Methylnaphthalene
Concen: 15.43 ng
RT: 8.88 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 341744

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.8	106.2
115	33.0	26.1	39.1

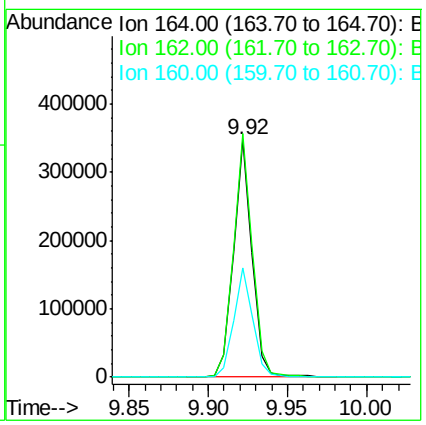


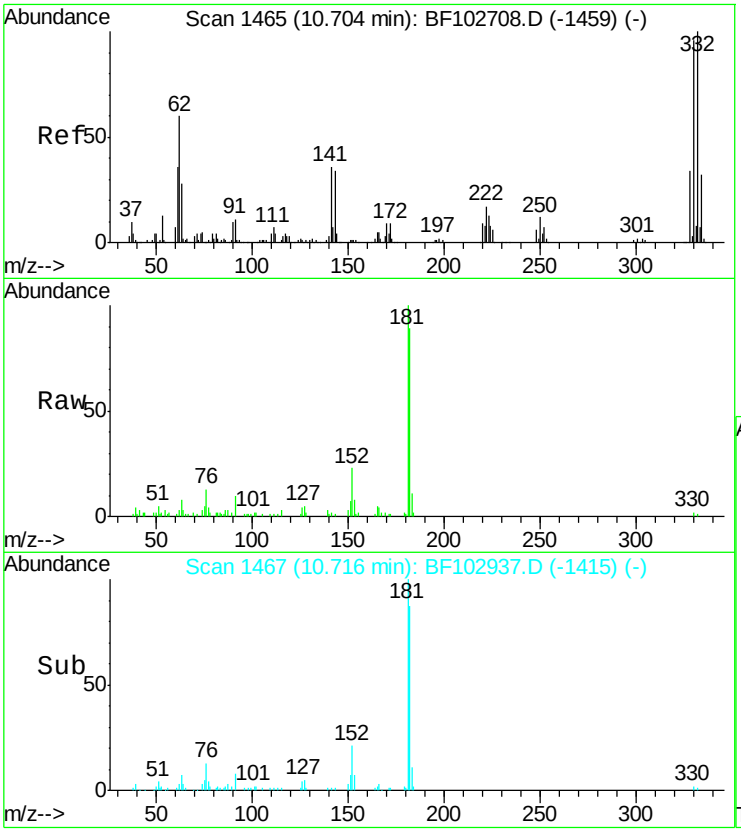


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:164 Resp: 281192

Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	46.0	38.3	57.5



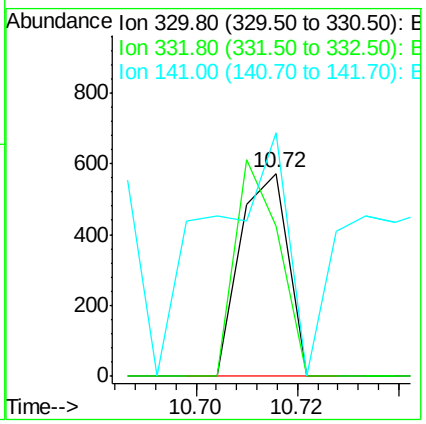


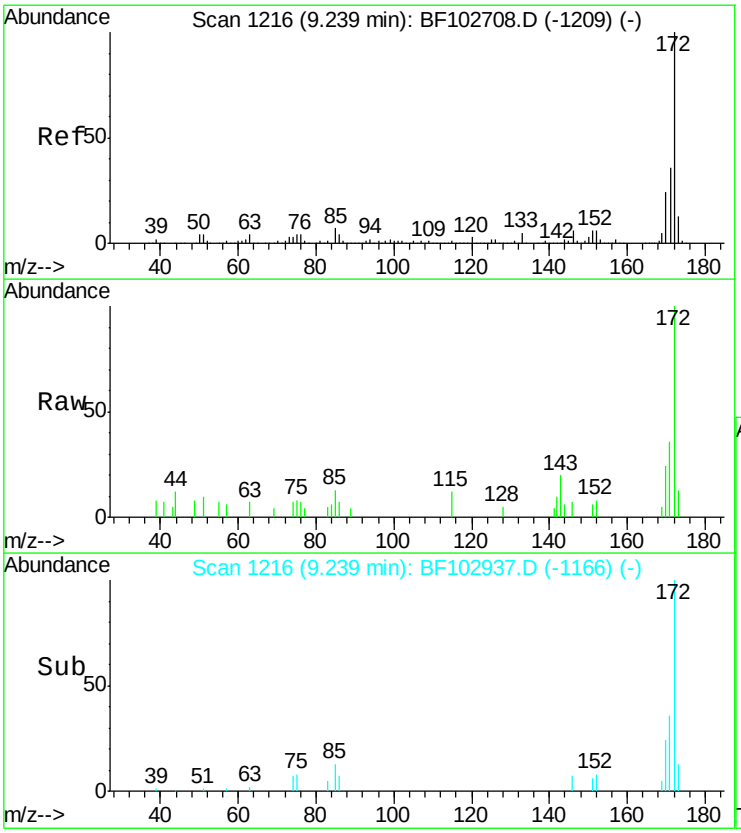
#41
2,4,6-Tribromophenol
Concen: 0.16 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 373

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	190.6	29.9	44.9#

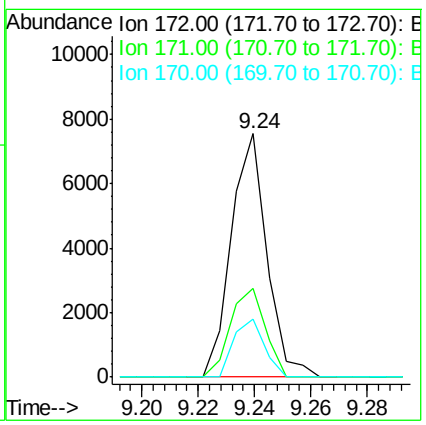


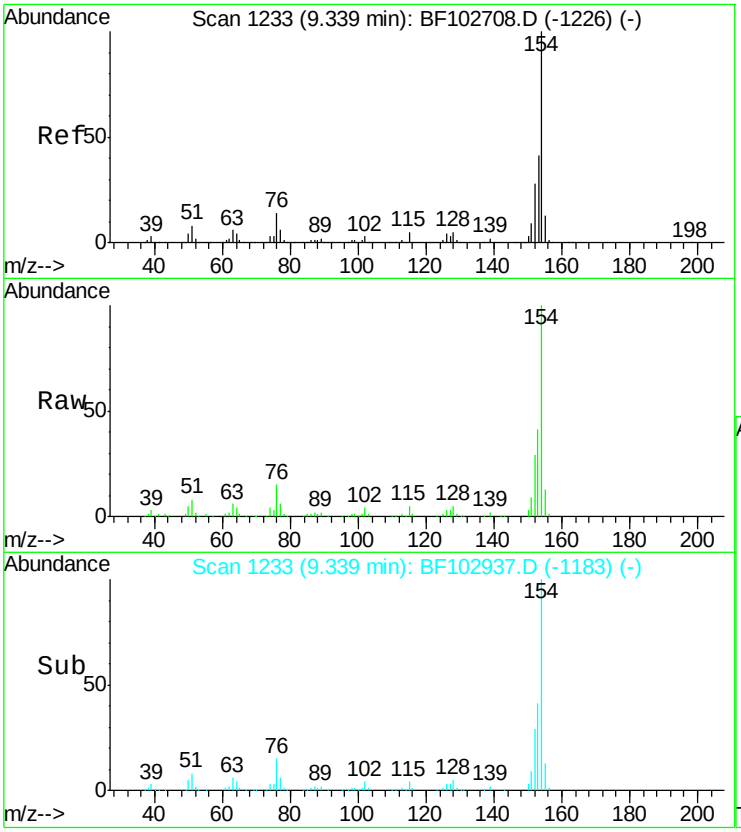


#44
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:172 Resp: 6586

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.0	19.6	29.4



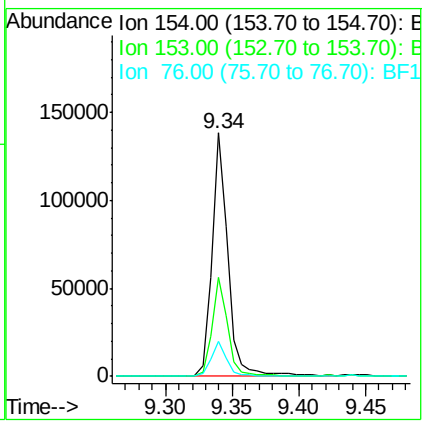


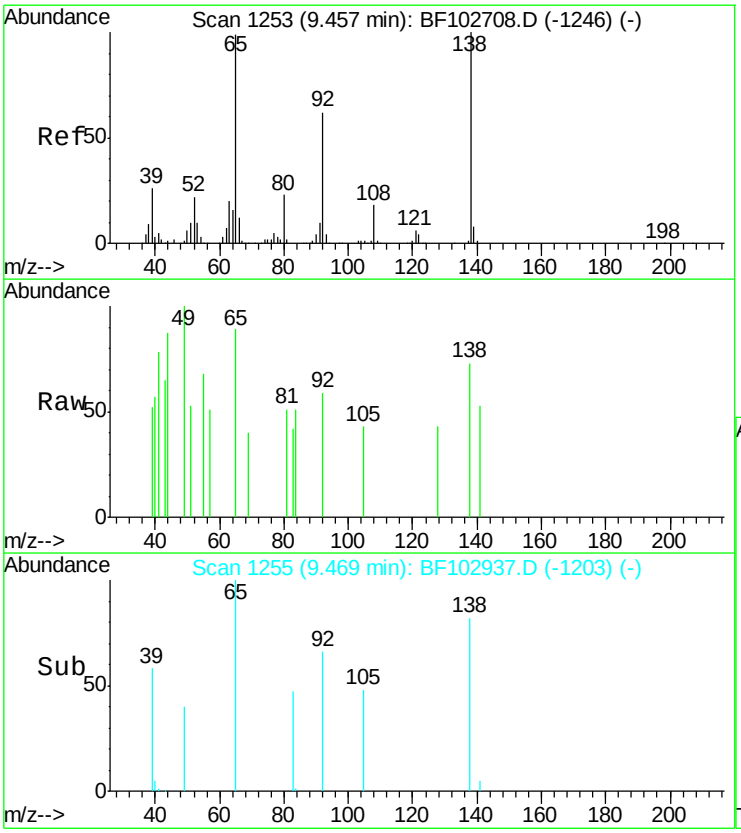
#45
1,1'-Biphenyl
Concen: 4.93 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 116699

Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.3	61.3
76	14.6	0.0	34.0

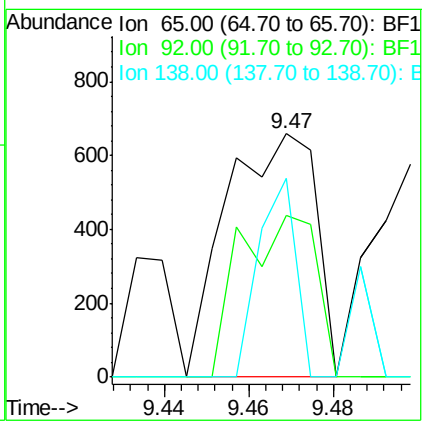


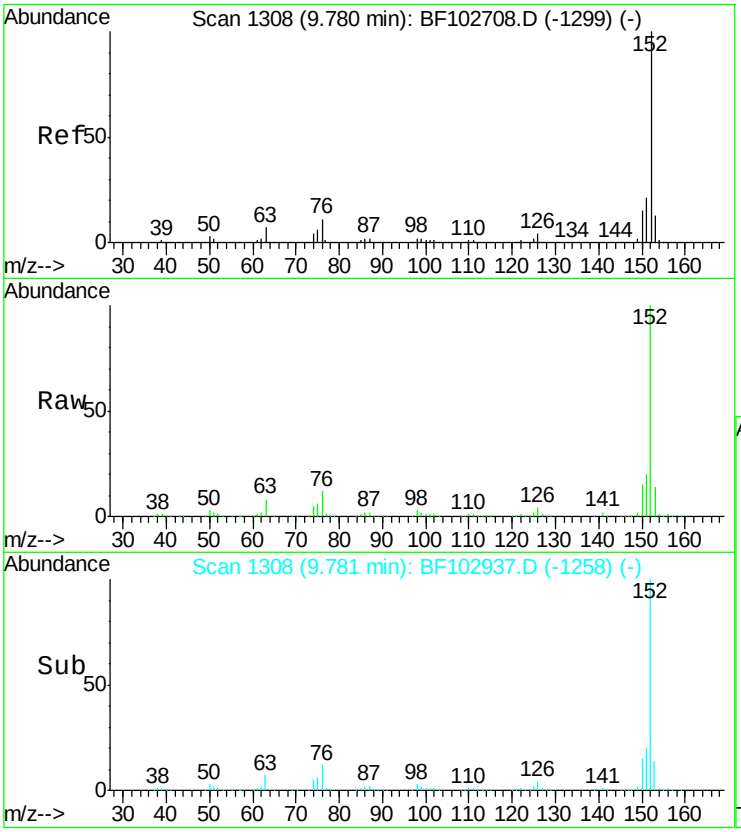


#47
2-Nitroaniline
Concen: 3.63 ng
RT: 9.47 min Scan# 1255
Delta R.T. 0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion: 65 Resp: 972

Ion	Ratio	Lower	Upper
65	100		
92	66.5	55.8	83.6
138	81.8	91.2	136.8#



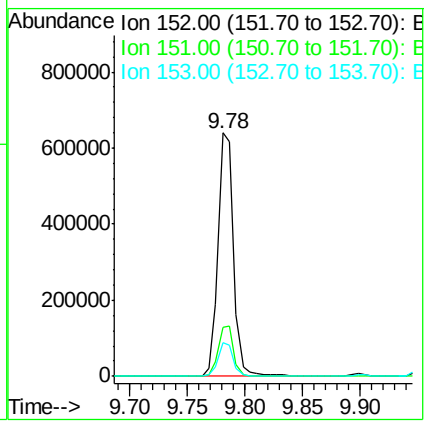


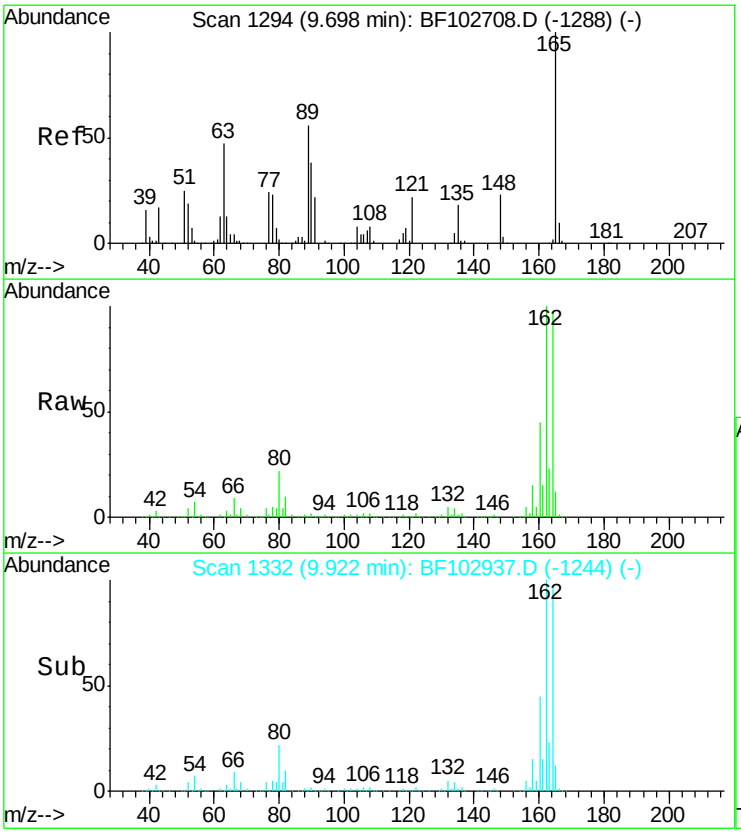
#48
Acenaphthylene
Concen: 20.81 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 602554

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.6	10.7	16.1

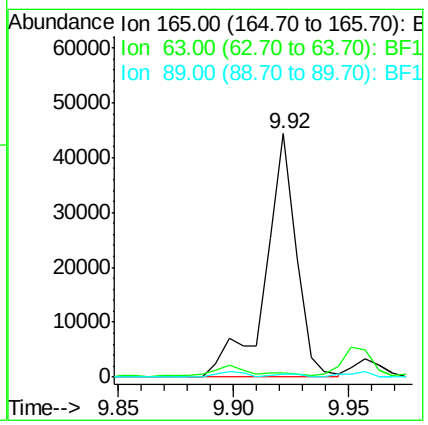


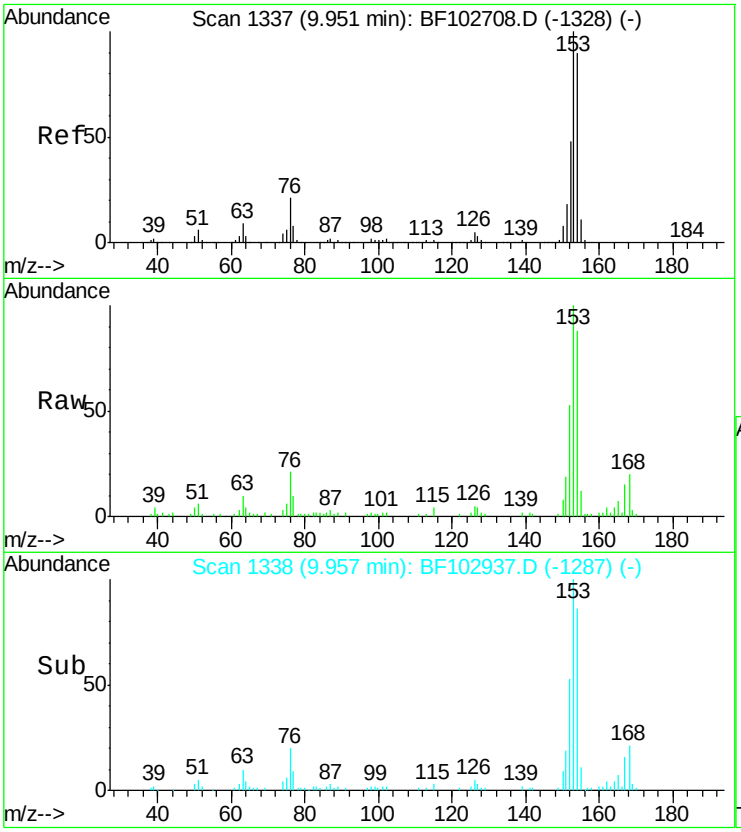


#50
2,6-Dinitrotoluene
Concen: 9.87 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.22 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:165 Resp: 41176

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



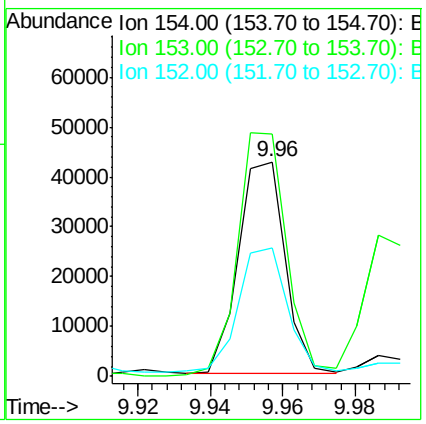


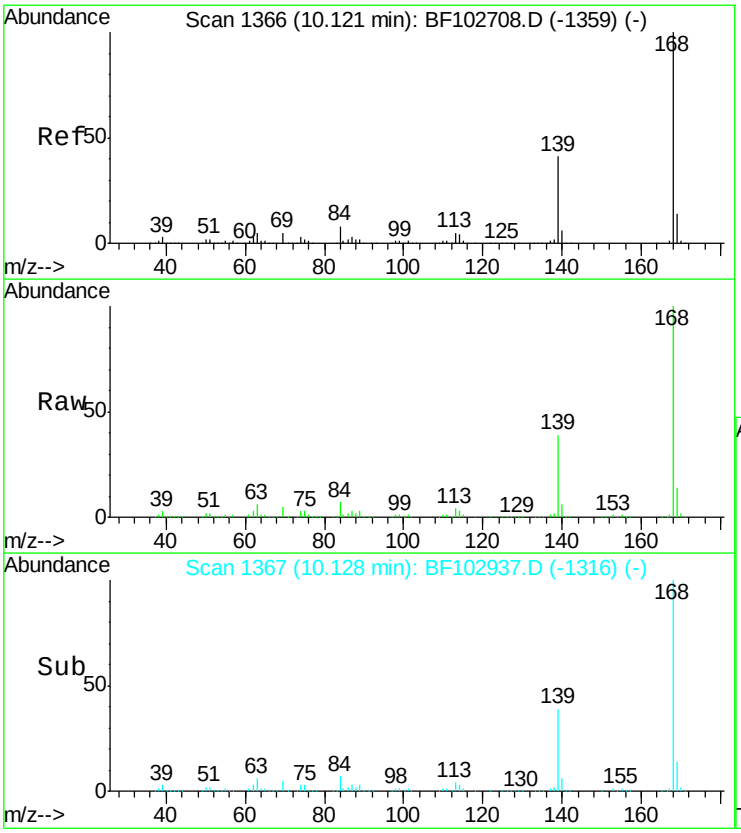
#51
Acenaphthene
Concen: 2.21 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 38223

Ion	Ratio	Lower	Upper
154	100		
153	113.2	91.2	136.8
152	60.1	43.8	65.8

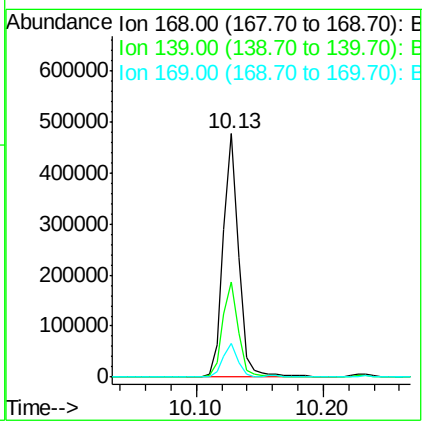


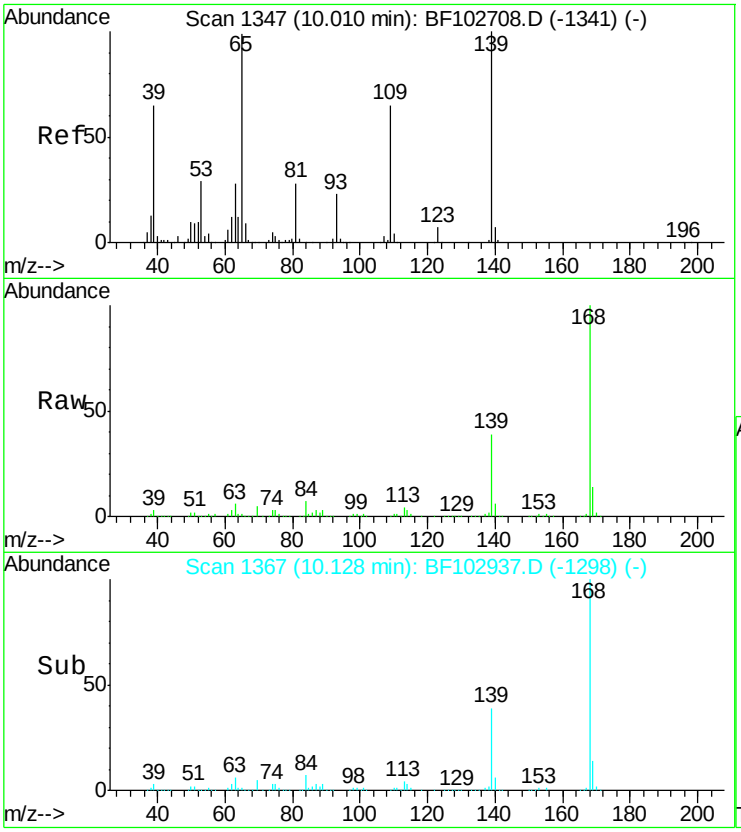


#54
Dibenzofuran
Concen: 16.73 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:168 Resp: 408241

Ion	Ratio	Lower	Upper
168	100		
139	39.3	30.1	45.1
169	13.8	10.9	16.3



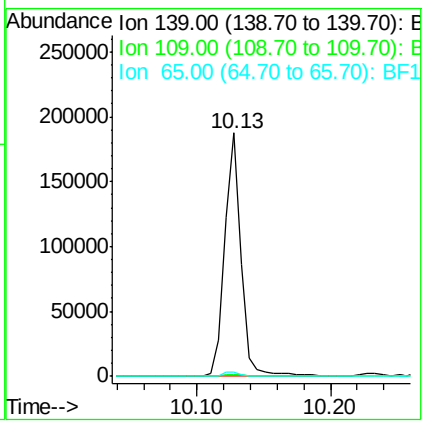


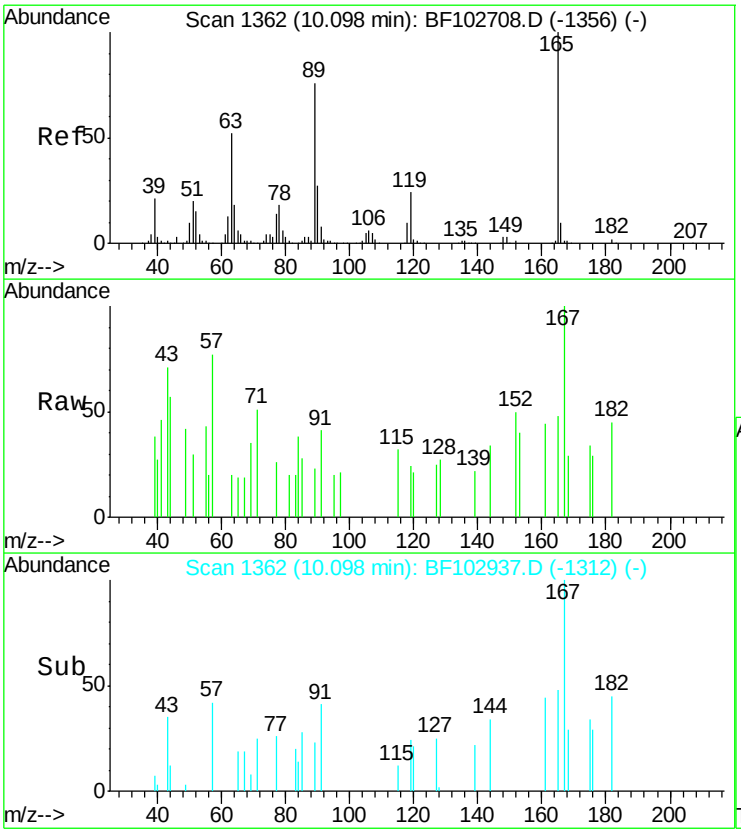
#55
4-Nitrophenol
Concen: 40.86 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.11 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 163591

Ion	Ratio	Lower	Upper
139	100		
109	0.9	48.4	88.4#
65	1.8	72.6	112.6#

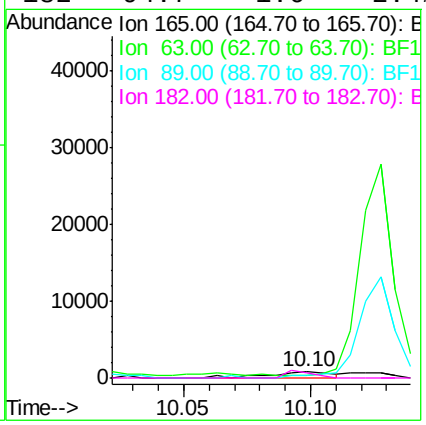


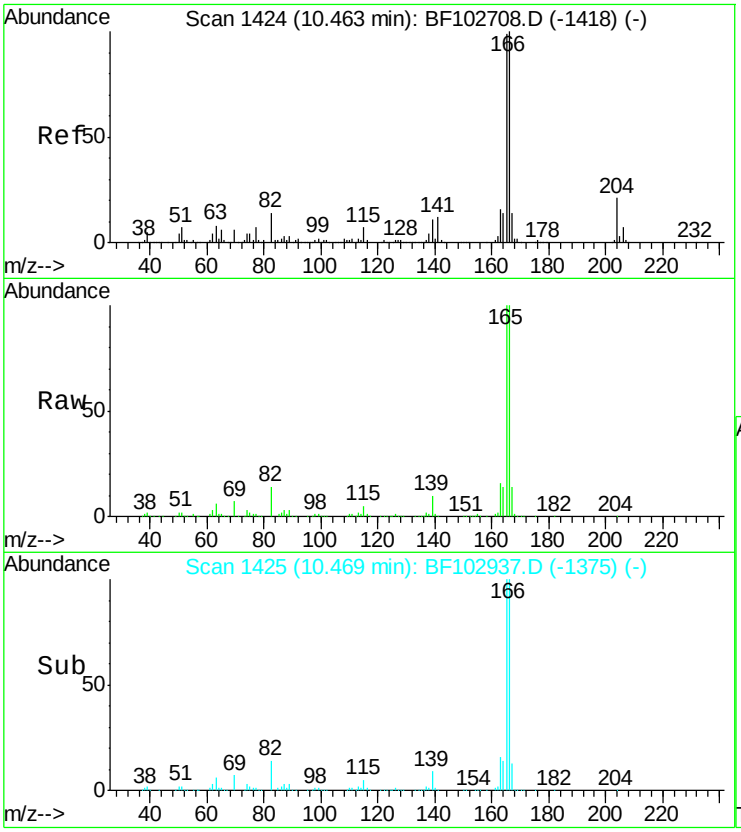


#56
2,4-Dinitrotoluene
Concen: 3.31 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:165 Resp: 1405

Ion	Ratio	Lower	Upper
165	100		
63	42.3	36.4	54.6
89	48.5	57.8	86.6#
182	94.7	1.6	2.4#



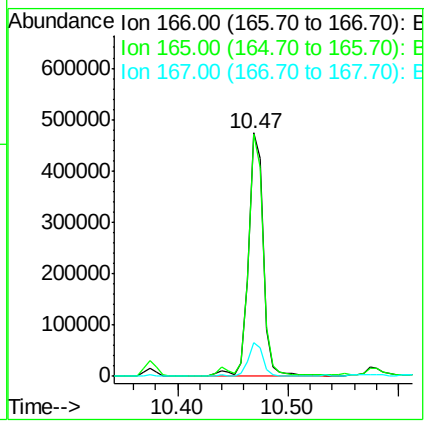


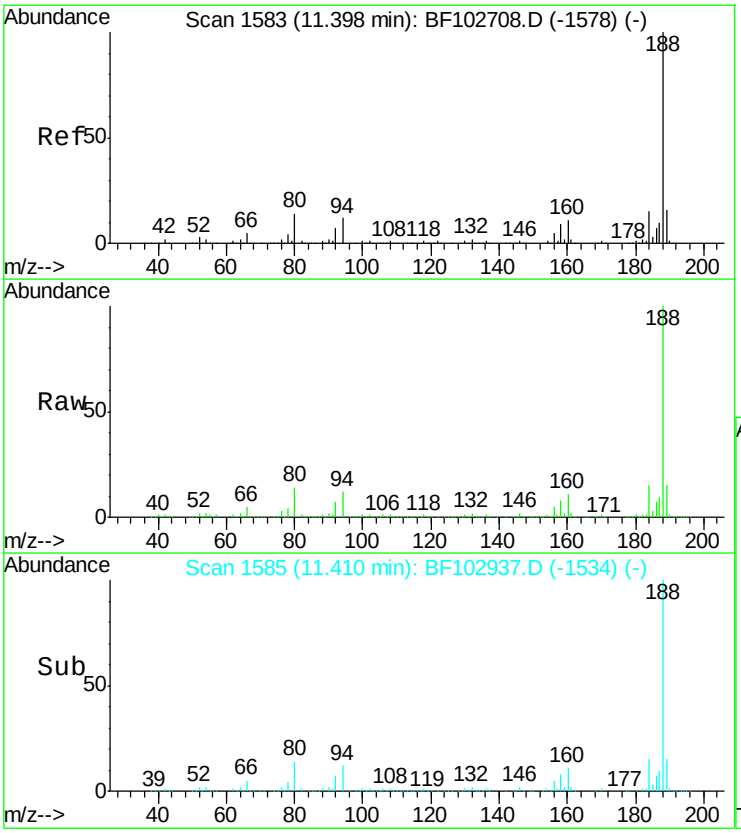
#57
Fluorene
Concen: 25.38 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 450745

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.8
167	13.6	10.6	16.0

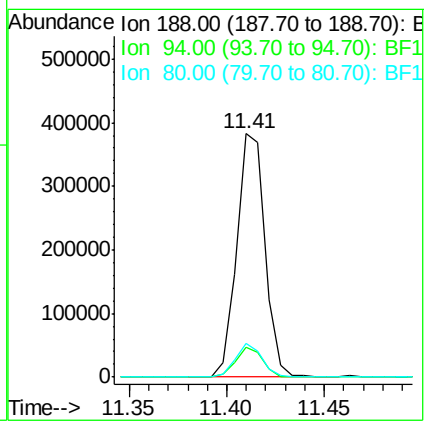


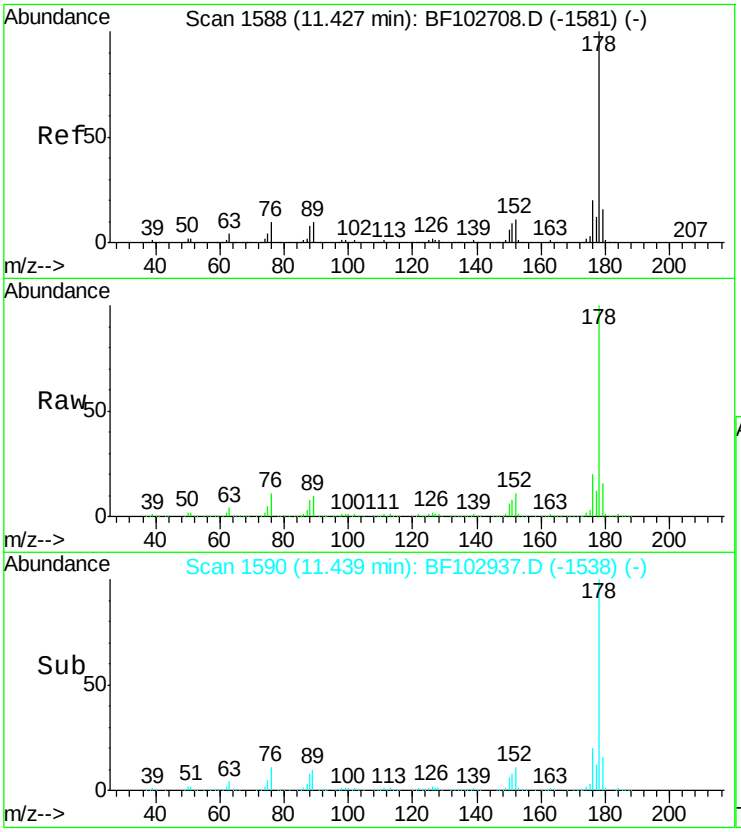


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:188 Resp: 383028

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



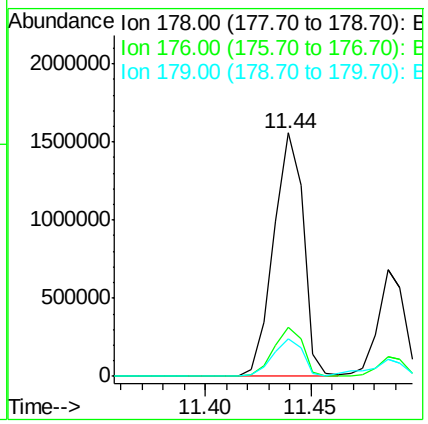


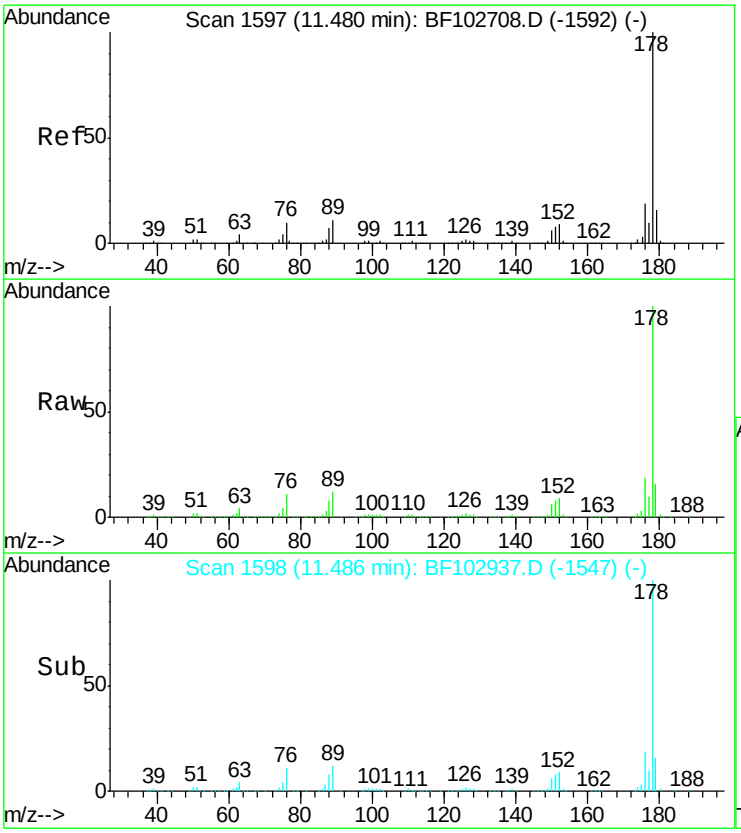
#70
Phenanthrene
Concen: 71.90 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 1533762

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	15.6	13.0	19.6

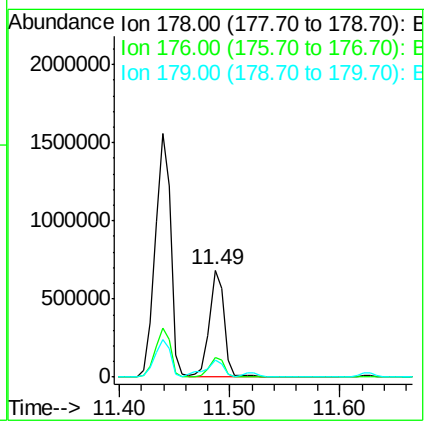


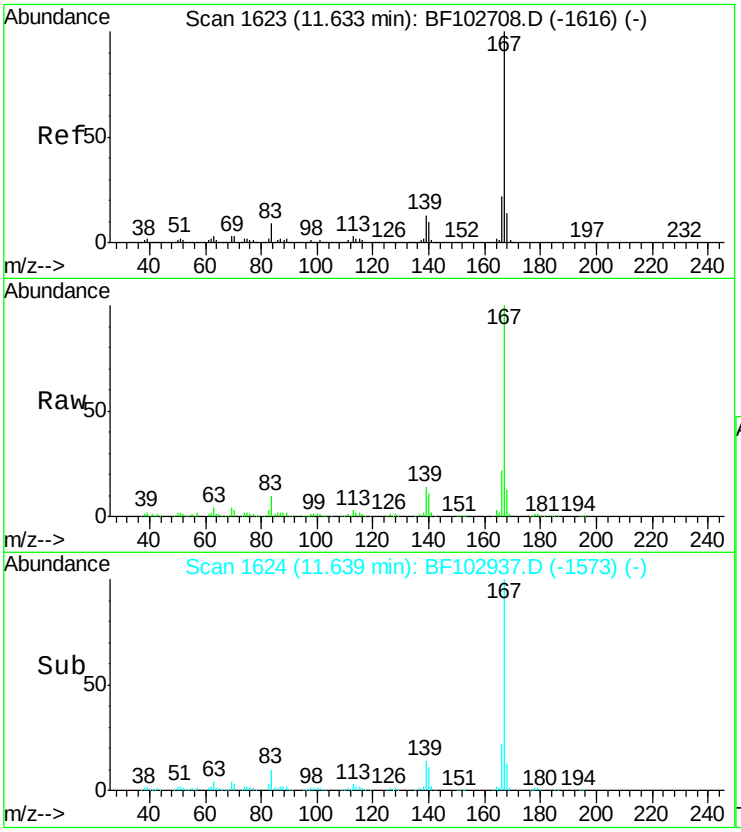


#71
Anthracene
Concen: 28.74 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:178 Resp: 623659

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.7	12.6	19.0



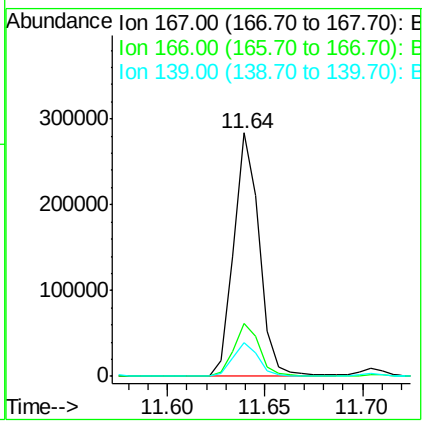


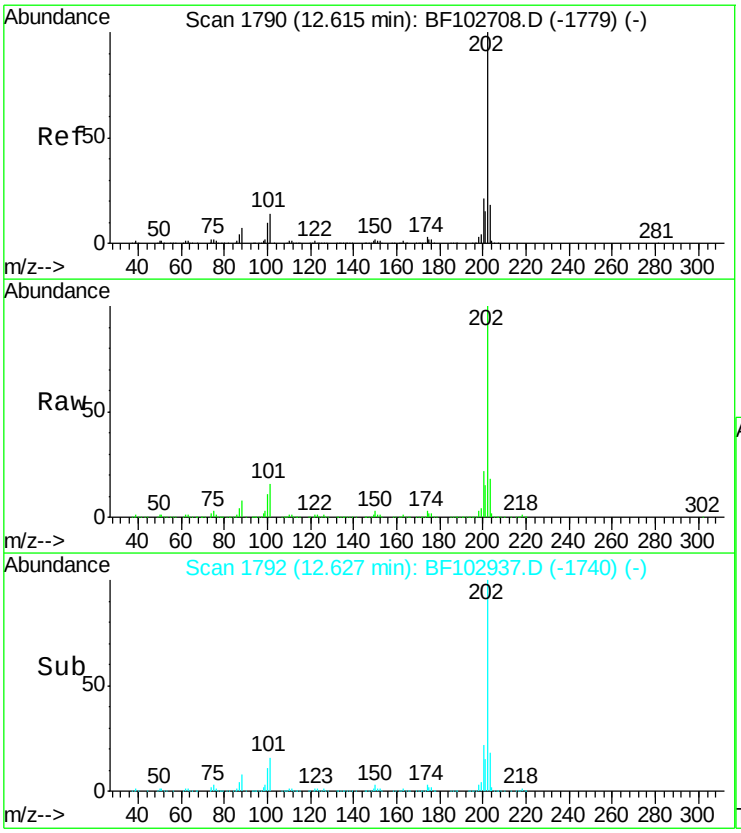
#72
Carbazole
Concen: 12.17 ng
RT: 11.64 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 258655

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.6	26.4
139	14.1	10.9	16.3

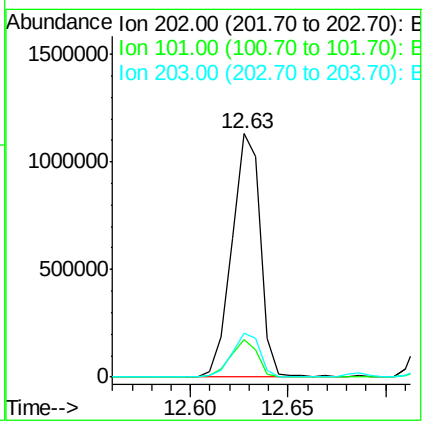


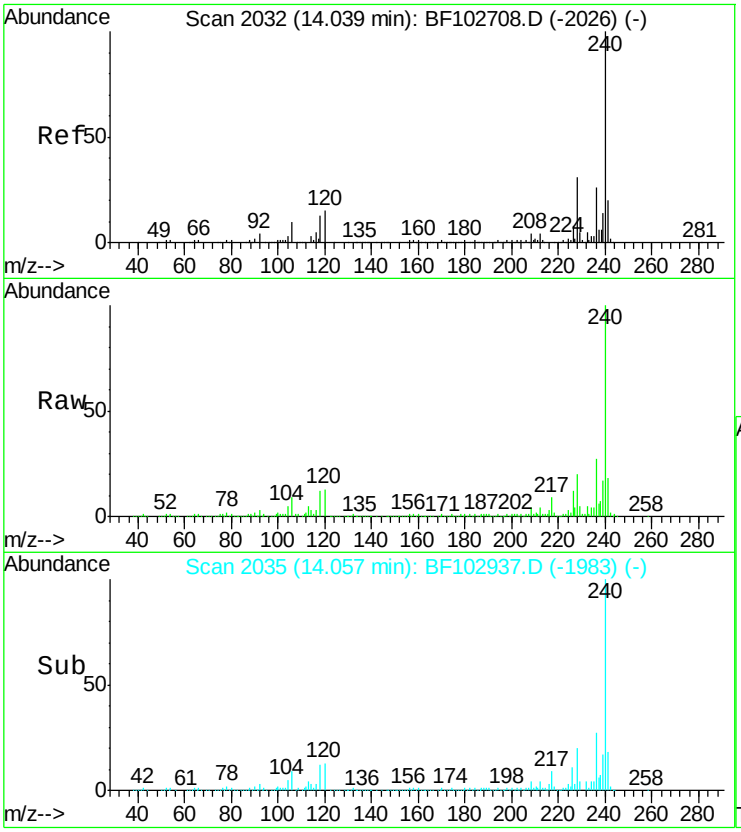


#74
Fluoranthene
Concen: 53.21 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:202 Resp: 1141962

Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	34.1
203	18.2	0.0	38.1



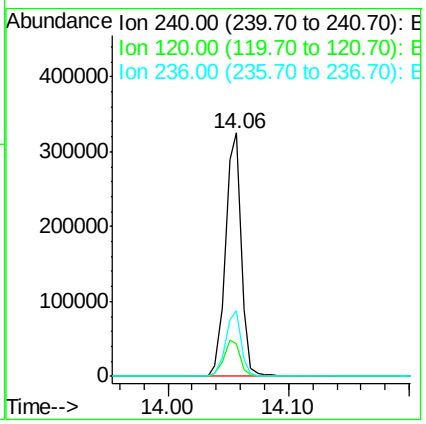


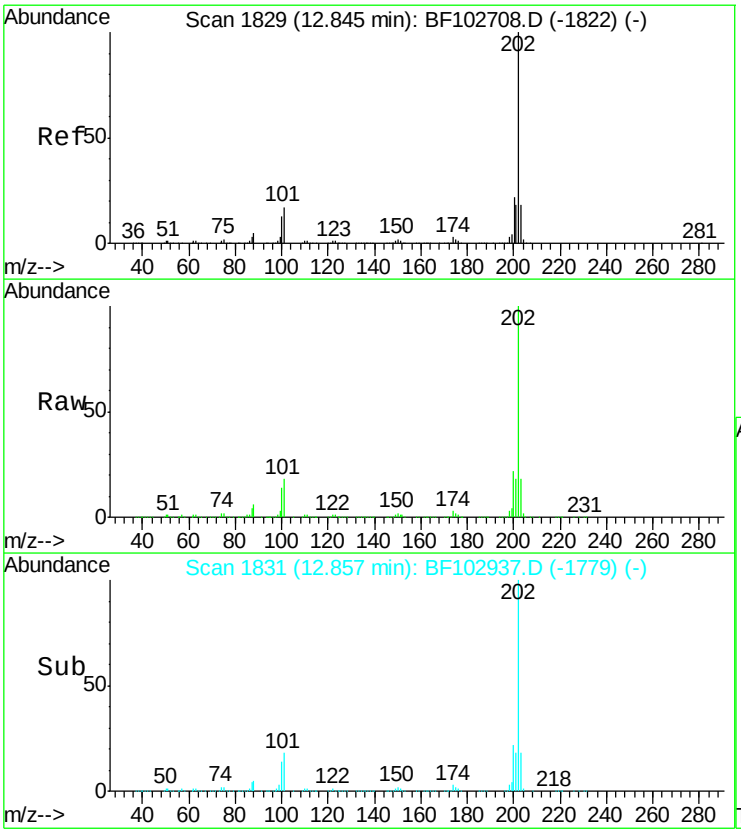
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 296253

Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.5	14.3
236	27.1	20.7	31.1

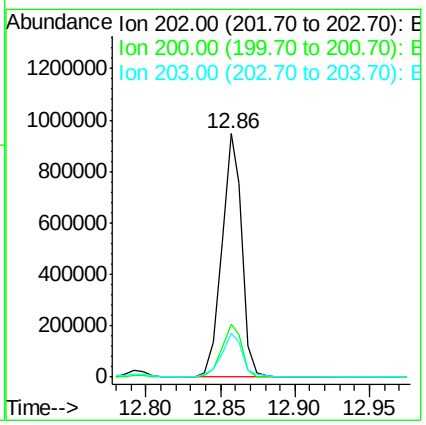


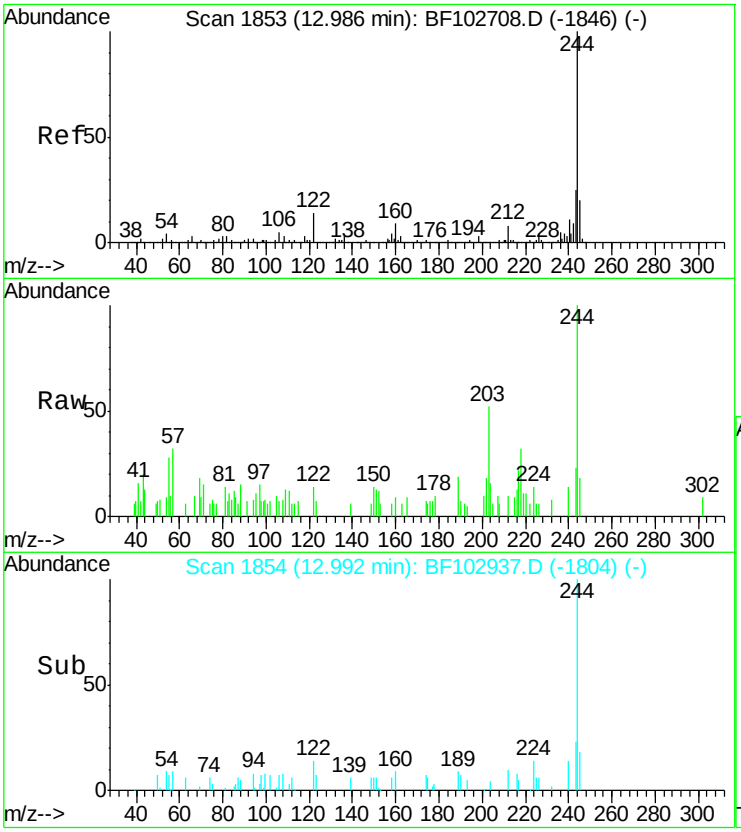


#77
Pyrene
Concen: 38.50 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:202 Resp: 894402

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.1	14.3	21.5



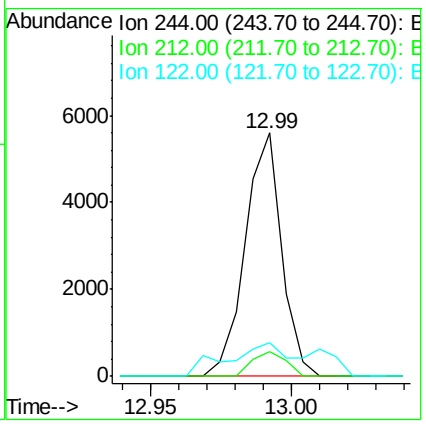


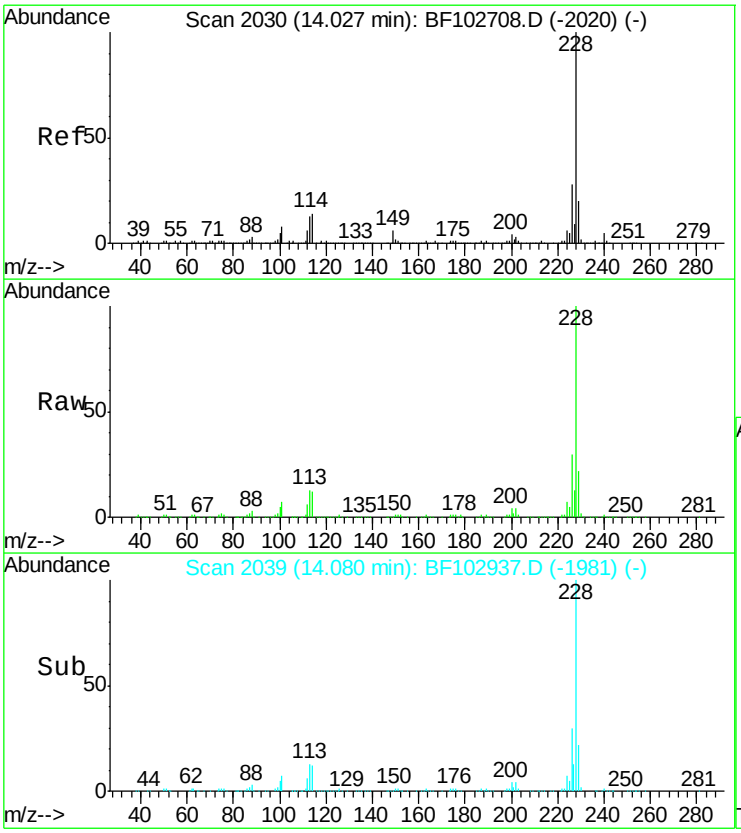
#78
Terphenyl-d14
Concen: 0.40 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 5010

Ion	Ratio	Lower	Upper
244	100		
212	10.1	5.4	8.0#
122	13.6	11.0	16.4

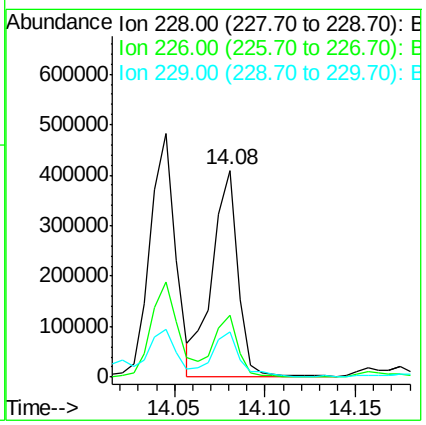


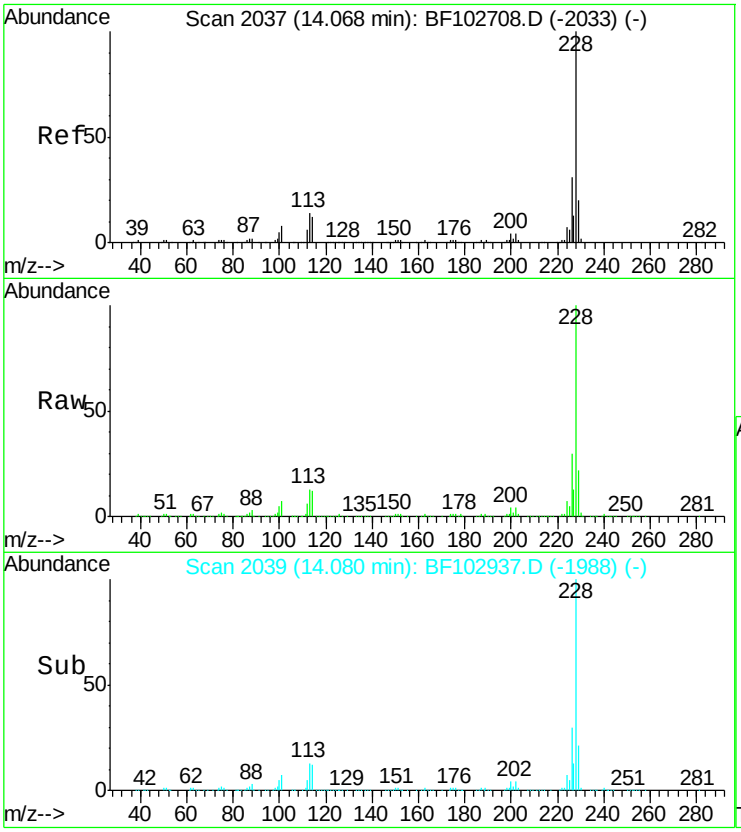


#80
Benzo(a)anthracene
Concen: 21.67 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.04 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:228 Resp: 403703

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	21.8	15.8	23.6



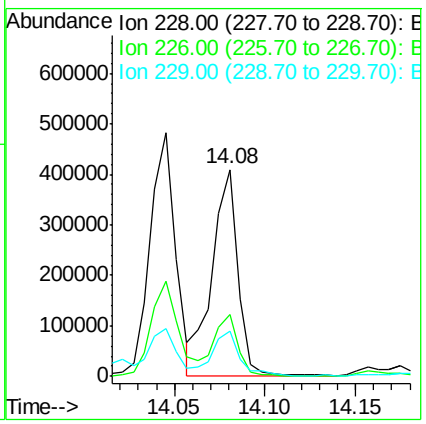


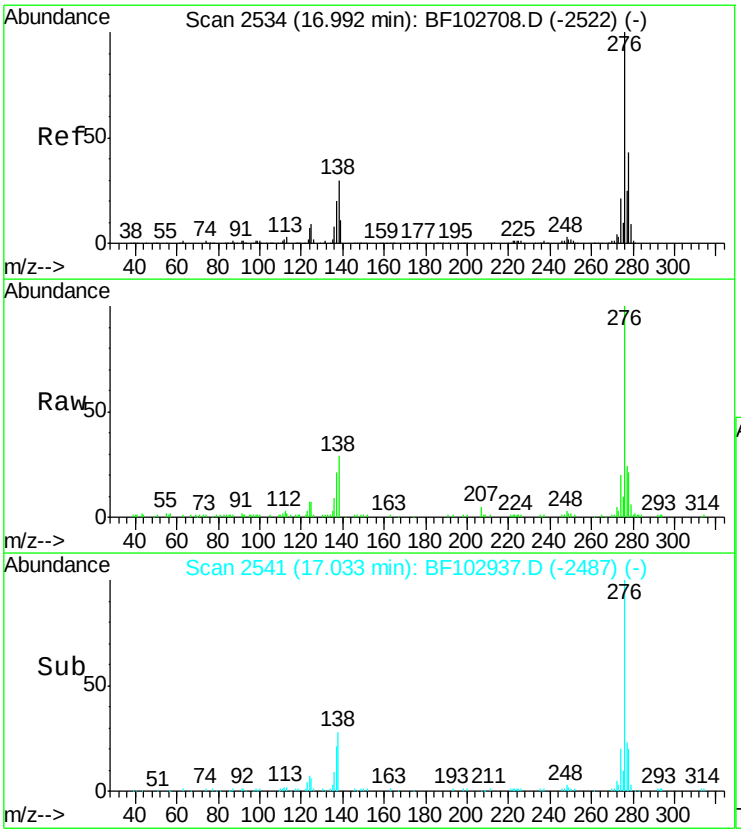
#82
Chrysene
Concen: 21.49 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 403703

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.8	16.2	24.4

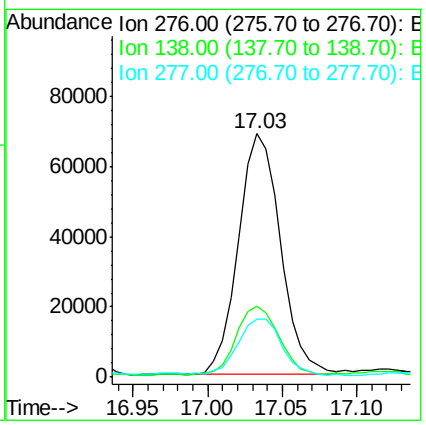


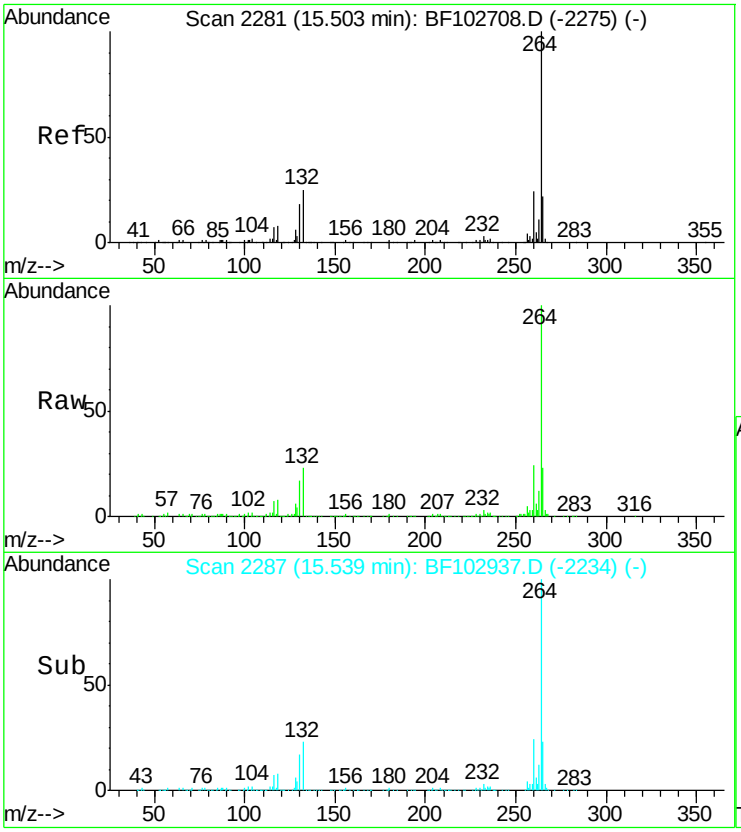


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.59 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.02 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:276 Resp: 133841

Ion	Ratio	Lower	Upper
276	100		
138	29.1	25.0	37.6
277	24.6	20.1	30.1



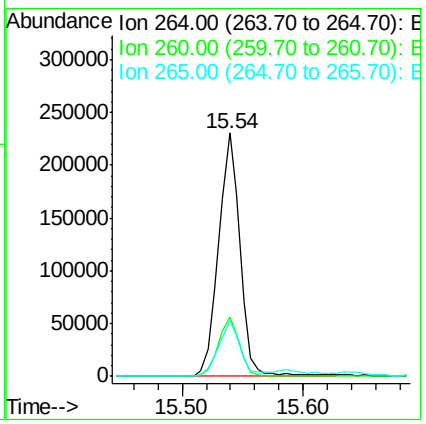


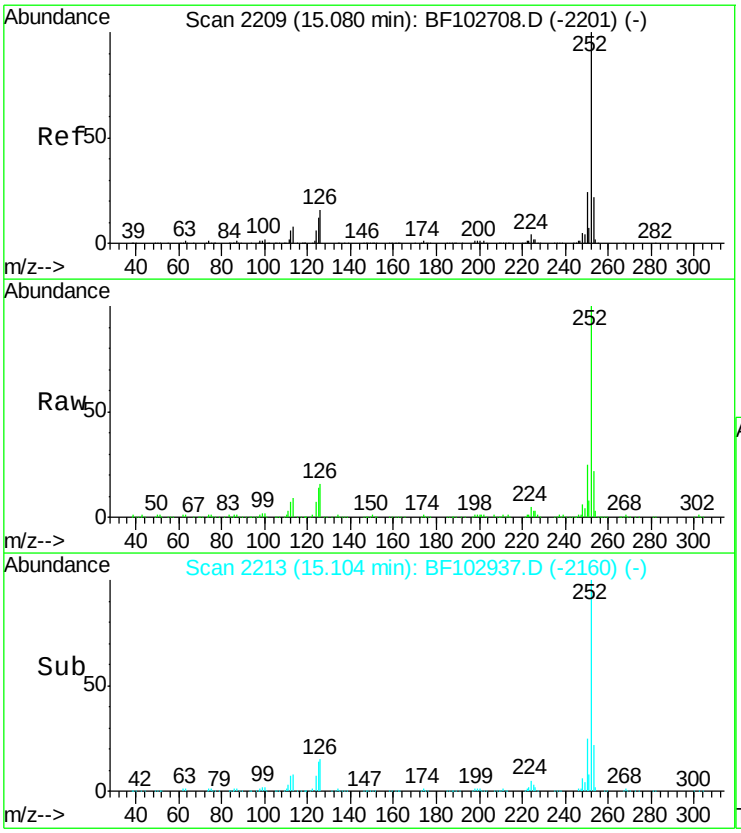
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 282477

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.7	17.5	26.3

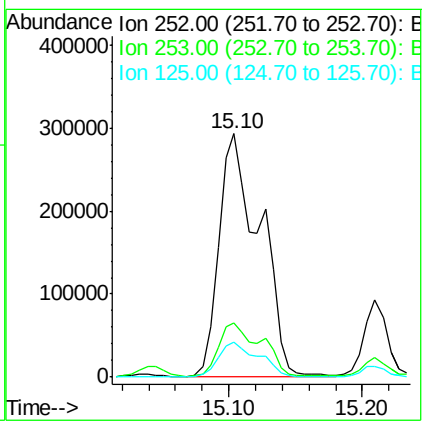


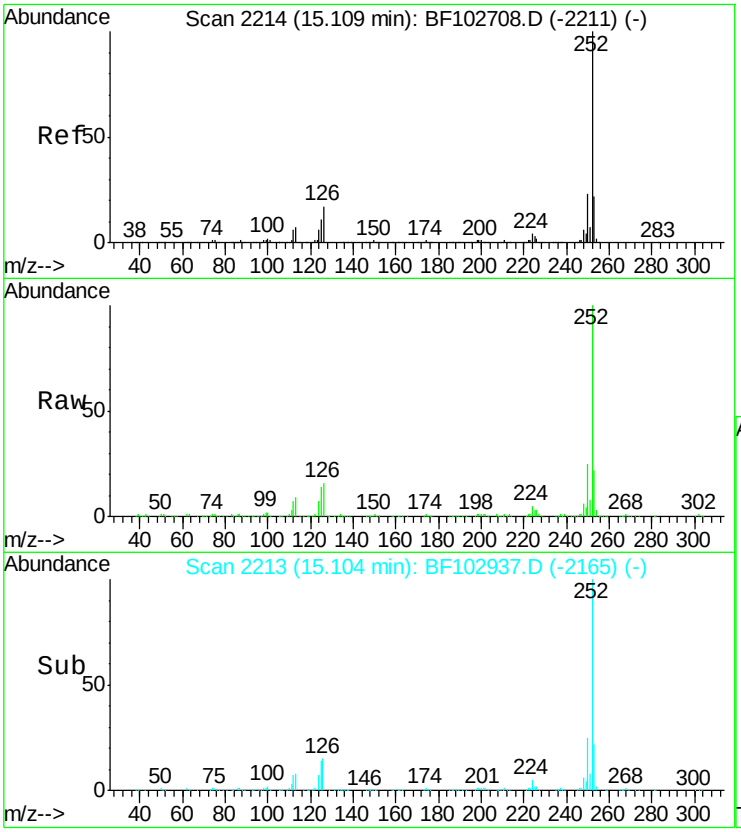


#87
Benzo(b)fluoranthene
Concen: 34.08 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:252 Resp: 624116

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	14.2	9.0	13.6#



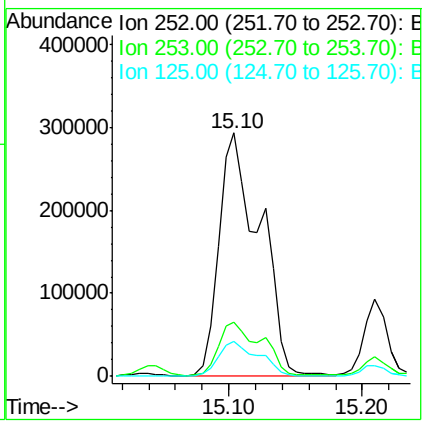


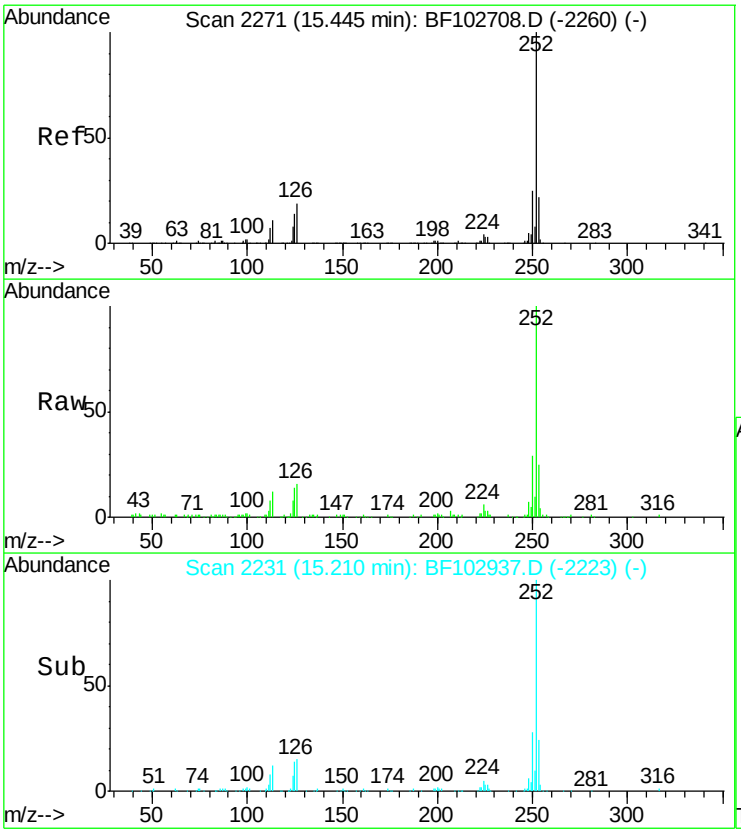
#88
Benzo(k)fluoranthene
Concen: 35.67 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 624116

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	14.2	10.2	15.2

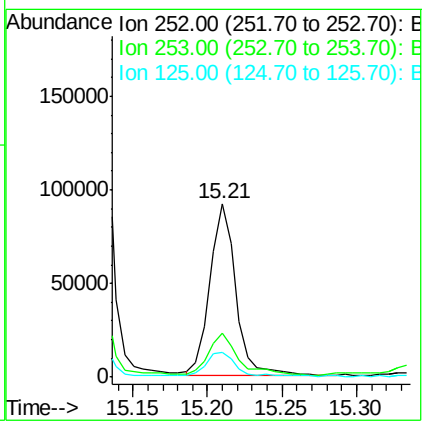


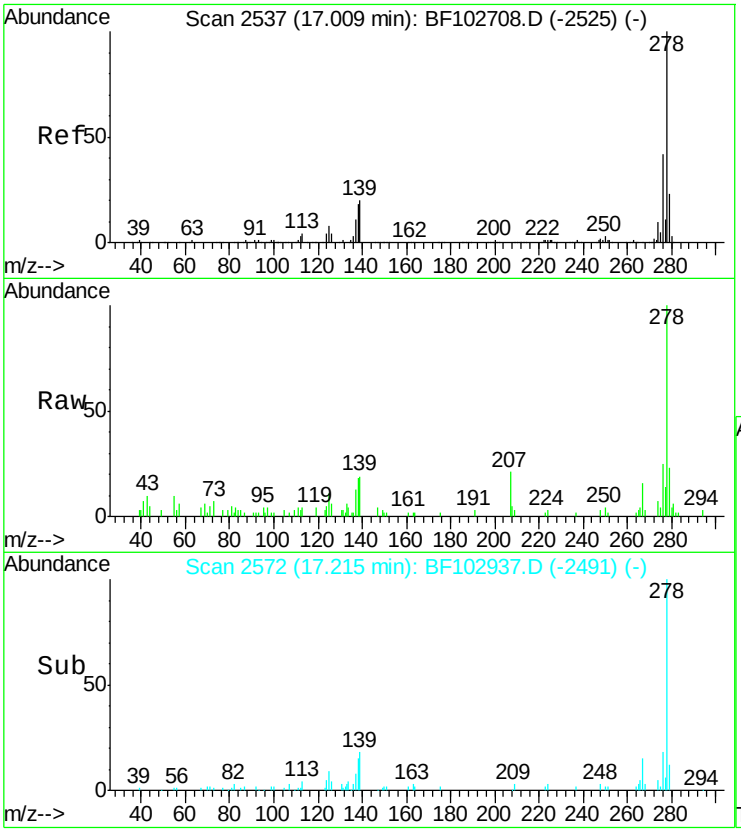


#89
Benzo(a)pyrene
Concen: 6.71 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.25 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:252 Resp: 110686

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	14.4	9.8	14.6



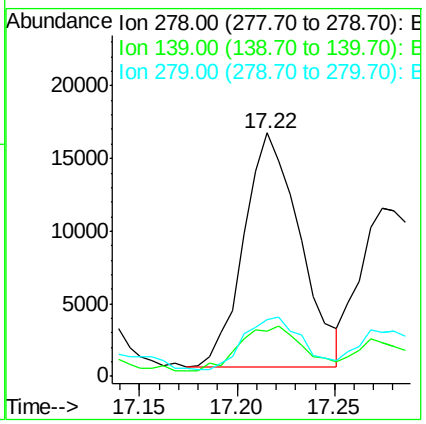


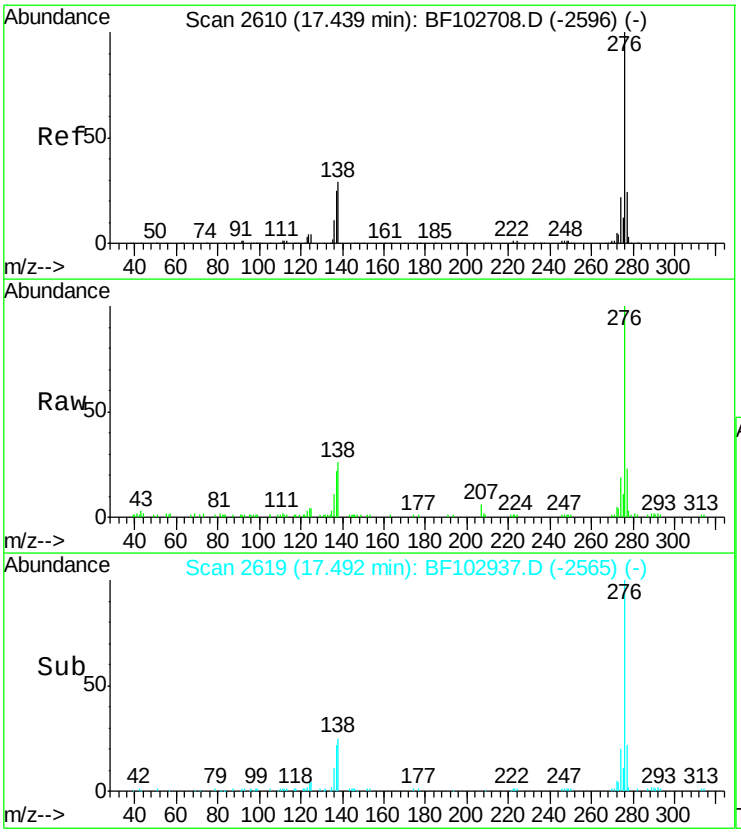
#90
Dibenzo(a,h)anthracene
Concen: 2.42 ng
RT: 17.22 min Scan# 2572
Delta R.T. 0.18 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 32412

Ion	Ratio	Lower	Upper
278	100		
139	18.7	15.9	23.9
279	23.2	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 8.63 ng
RT: 17.49 min Scan# 2619
Delta R.T. 0.02 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:276 Resp: 113000

Ion	Ratio	Lower	Upper
276	100		
277	22.9	17.9	26.9
138	25.5	21.8	32.8