Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
Data File : BF103105.D
Acq On : 20 Feb 2018 2:14
Operator : SJ/JU
Sample : J1600-07 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Feb 20 04:30:01 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	144788	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	607852	20.00	ng		0.00
38) Acenaphthene-d10	9.92	164	260176	20.00	ng		0.00
63) Phenanthrene-d10	11.40	188	369092	20.00	ng		0.00
75) Chrysene-d12	14.05	240	239678	20.00	ng		0.00
86) Perylene-d12	15.54	264	230895	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	47331	4.96	ng		0.00
7) Phenol-d6	6.50	99	61856	5.39	ng		0.00
23) Nitrobenzene-d5	7.44	82	36337	4.15	ng		0.00
41) 2,4,6-Tribromophenol	10.70	330	9596	4.58	ng		0.00
44) 2-Fluorobiphenyl	9.23	172	71673	4.57	ng		-0.01
78) Terphenyl-d14	12.98	244	47599	4.70	ng		-0.01
Target Compounds							Qvalue
24) Nitrobenzene	7.45	77	267	Below Cal		#	38
31) Naphthalene	8.18	128	262950	8.85	ng		99
32) Benzoic acid	7.96	122	611	8.64	ng	#	32
33) 4-Chloroaniline	8.18	127	34554	2.70	ng	#	35
37) 2-Methylnaphthalene	8.87	142	67789	3.49	ng		97
47) 2-Nitroaniline	9.47	65	126	3.49	ng	#	2
48) Acenaphthylene	9.77	152	411642	15.36	ng		100
50) 2,6-Dinitrotoluene	9.92	165	35351	9.16	ng	#	26
54) Dibenzofuran	10.12	168	54398	2.41	ng		96
55) 4-Nitrophenol	10.02	139	649	4.18	ng		89
56) 2,4-Dinitrotoluene	10.08	165	1559	3.36	ng	#	61
57) Fluorene	10.46	166	115449	7.03	ng		97
64) 4,6-Dinitro-2-methylphenol	10.64	198	118	8.86	ng	#	1
70) Phenanthrene	11.43	178	827819	40.27	ng		99
71) Anthracene	11.48	178	312454	14.94	ng		99
74) Fluoranthene	12.62	202	1133894	54.83	ng		99
77) Pyrene	12.86	202	1191261	63.38	ng		100
80) Benzo(a)anthracene	14.08	228	630219	41.81	ng		96
82) Chrysene	14.08	228	630219	41.48	ng		98
85) Indeno(1,2,3-cd)pyrene	17.05	276	319503	25.35	ng		96
87) Benzo(b)fluoranthene	15.11	252	1122997	75.02	ng	#	96
88) Benzo(k)fluoranthene	15.11	252	1122997	78.51	ng		98
89) Benzo(a)pyrene	15.49	252	621775	46.14	ng		96
90) Dibenzo(a,h)anthracene	17.23	278	75425	6.90	ng		93
91) Benzo(g,h,i)perylene	17.52	276	301171	28.13	ng		97

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
Data File : BF103105.D
Acq On : 20 Feb 2018 2:14
Operator : SJ/JU
Sample : J1600-07 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 20 04:30:01 2018
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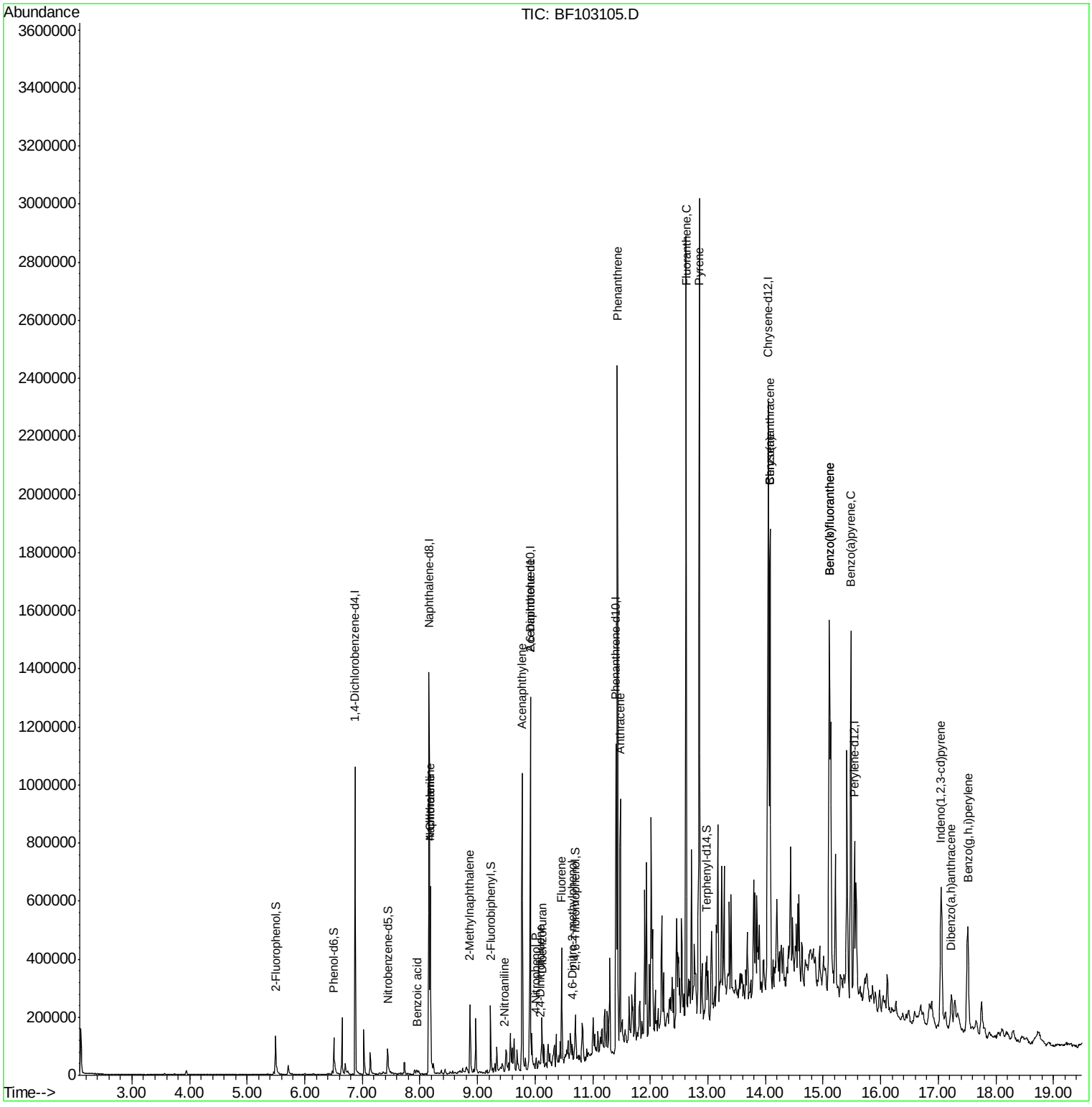
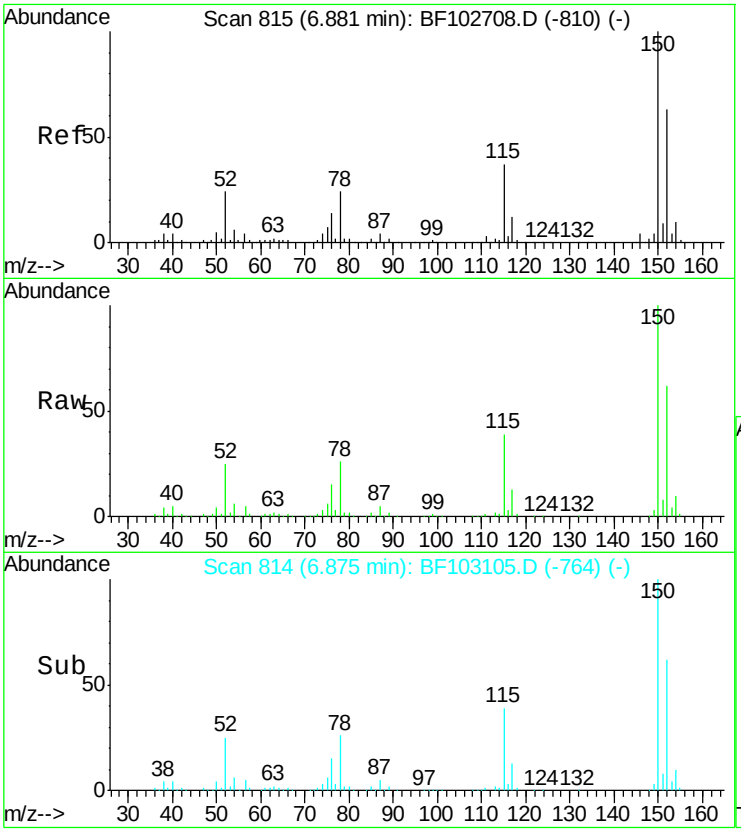
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 16 14:34:49 2018
Response via : Initial Calibration



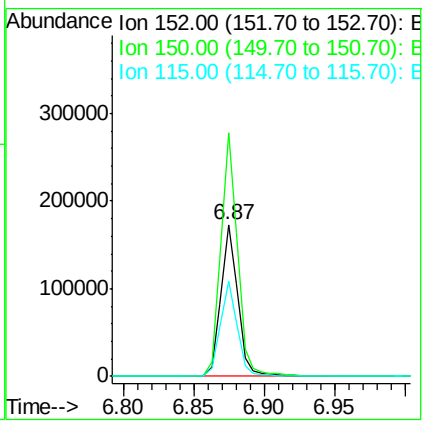


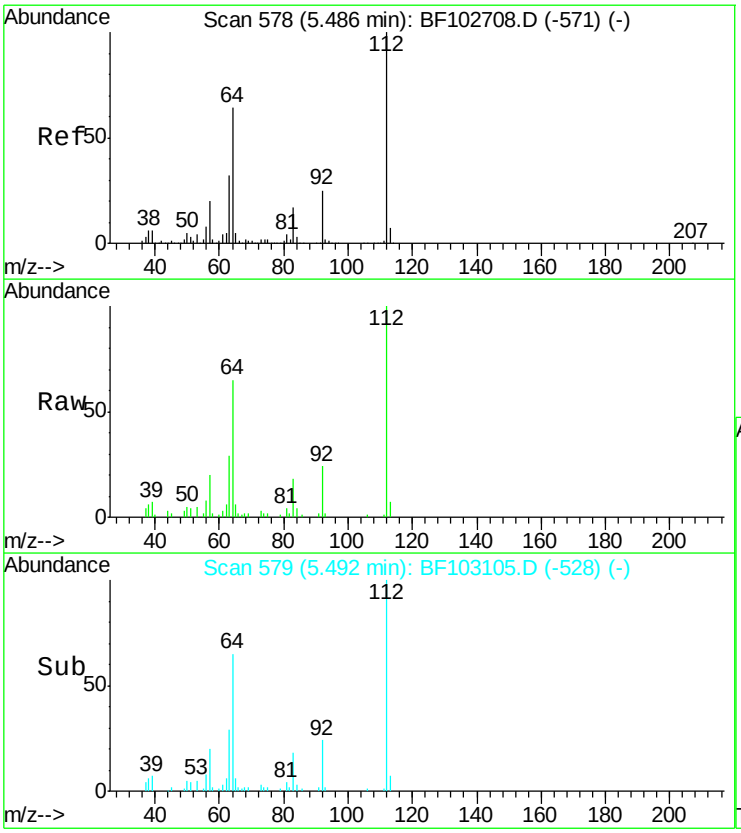
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 144788

Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.6	186.8
115	62.8	50.1	75.1

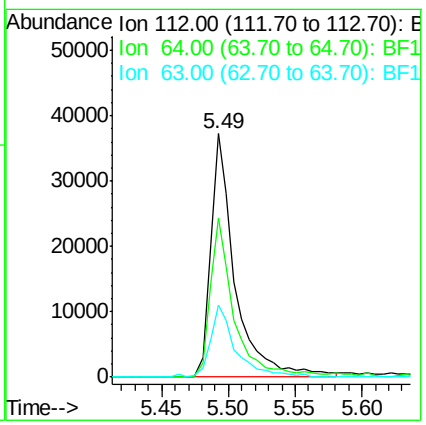


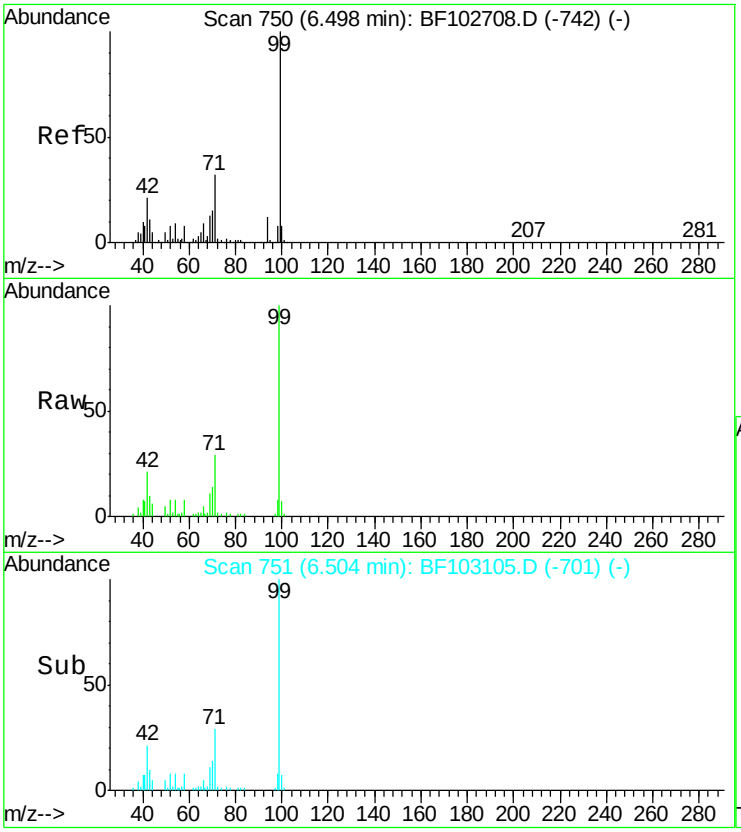


#5
2-Fluorophenol
Concen: 4.96 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:112 Resp: 47331

Ion	Ratio	Lower	Upper
112	100		
64	65.4	47.9	71.9
63	29.4	23.7	35.5



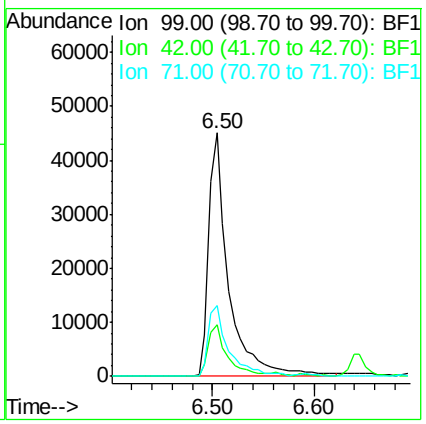


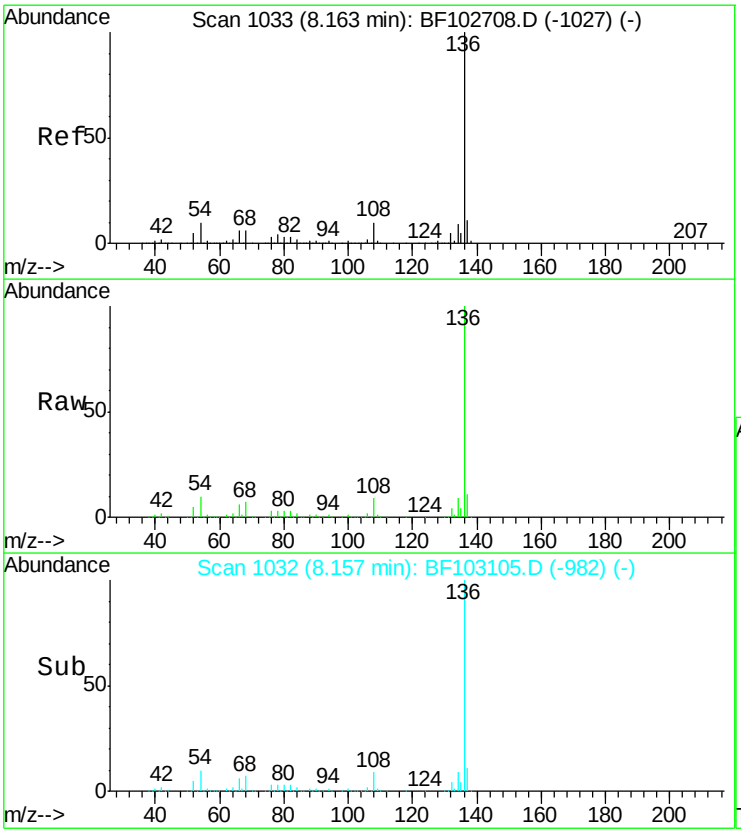
#7
Phenol-d6
Concen: 5.39 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 61856

Ion	Ratio	Lower	Upper
99	100		
42	21.3	14.5	21.7
71	28.9	25.4	38.0

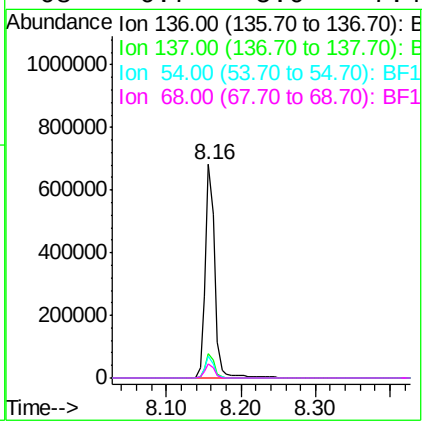


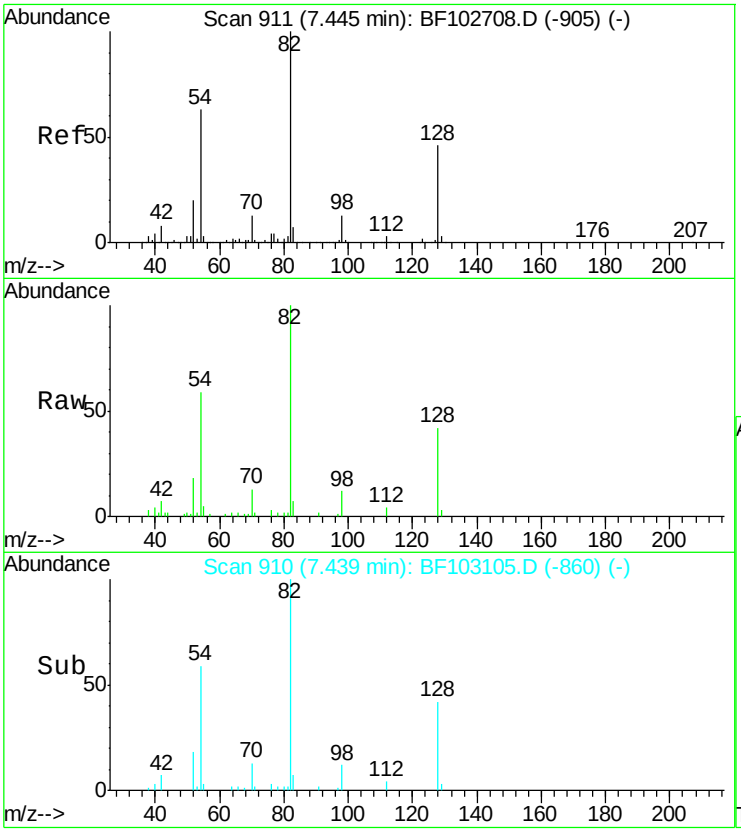


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:136 Resp: 607852

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	10.0	6.6	9.8#
68	6.7	5.0	7.4



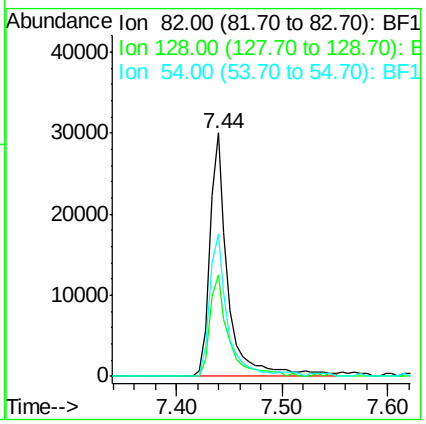


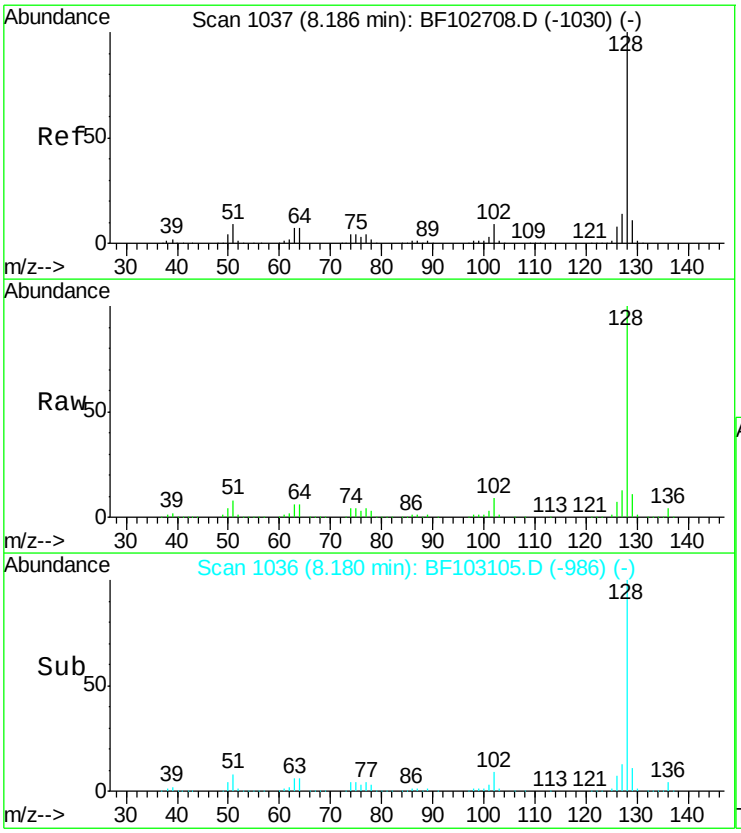
#23
Nitrobenzene-d5
Concen: 4.15 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 36337

Ion	Ratio	Lower	Upper
82	100		
128	41.8	36.1	54.1
54	58.6	41.4	62.2

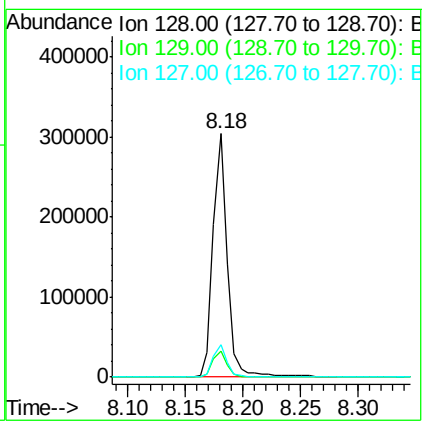


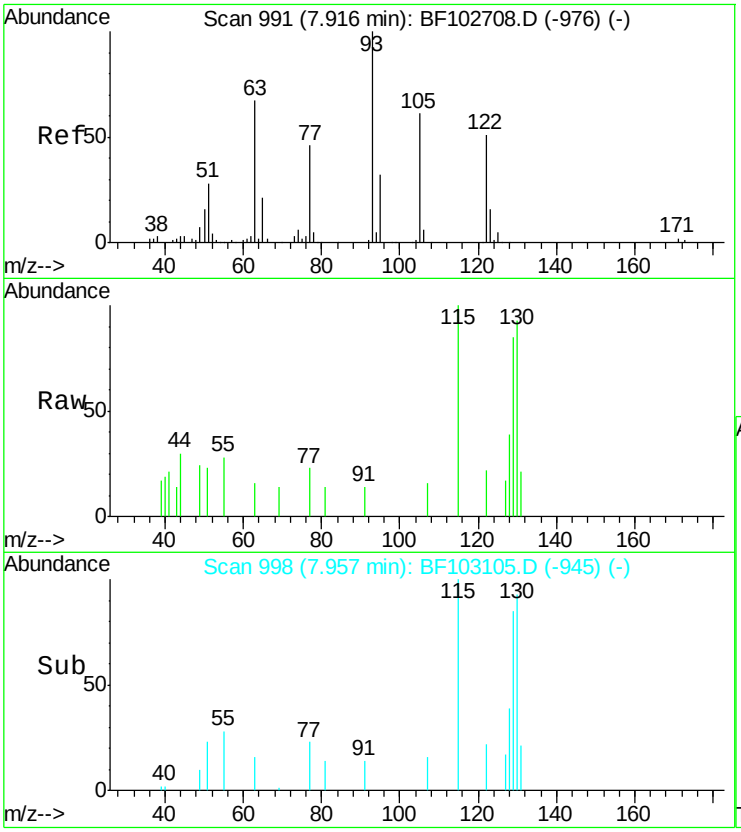


#31
Naphthalene
Concen: 8.85 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:128 Resp: 262950

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.1	10.9	16.3



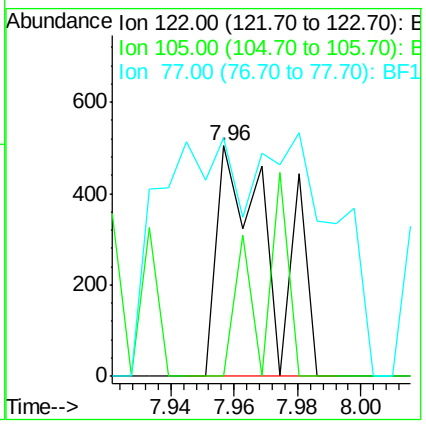


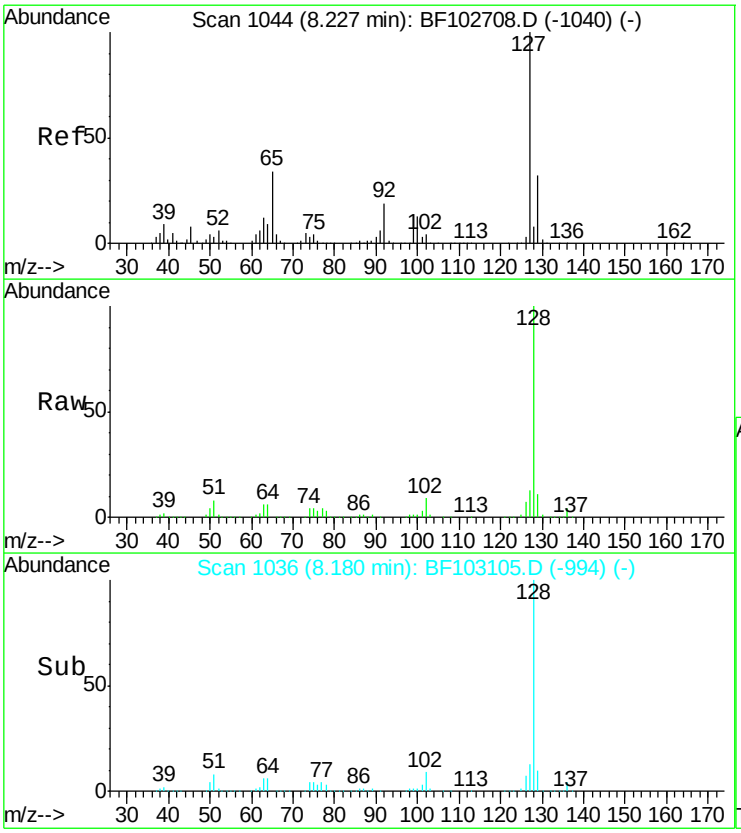
#32
Benzoic acid
Concen: 8.64 ng
RT: 7.96 min Scan# 998
Delta R.T. 0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 611

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	103.6	70.7	110.7

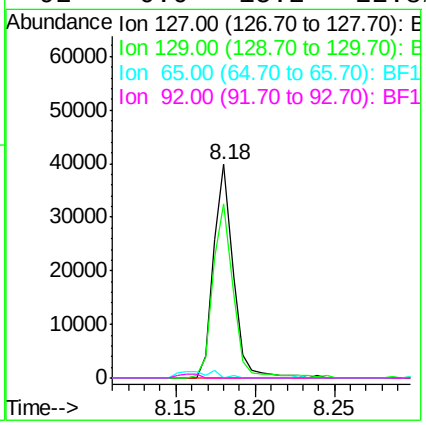


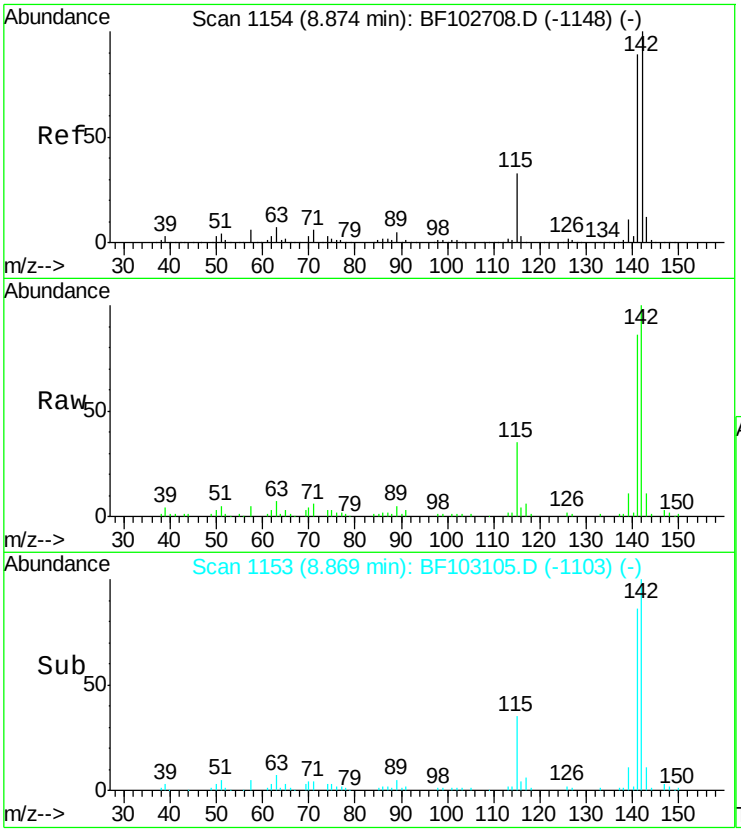


#33
4-Chloroaniline
Concen: 2.70 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.05 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:127 Resp: 34554

Ion	Ratio	Lower	Upper
127	100		
129	81.4	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

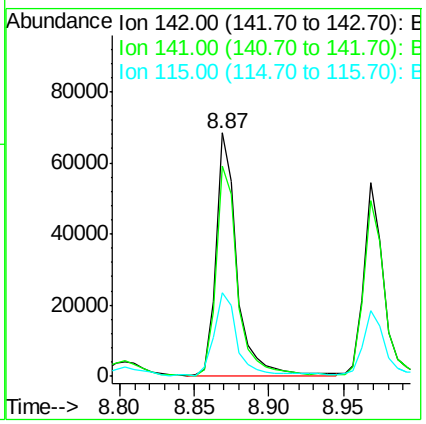




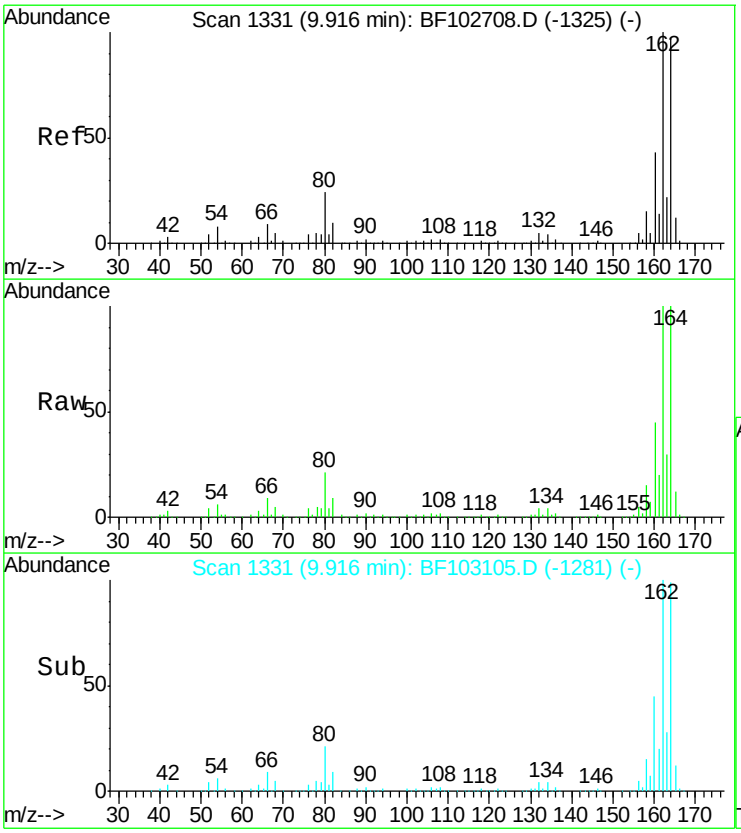
#37
2-Methylnaphthalene
Concen: 3.49 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:142 Resp: 67789

Ion	Ratio	Lower	Upper
142	100		
141	86.3	70.8	106.2
115	34.5	26.1	39.1



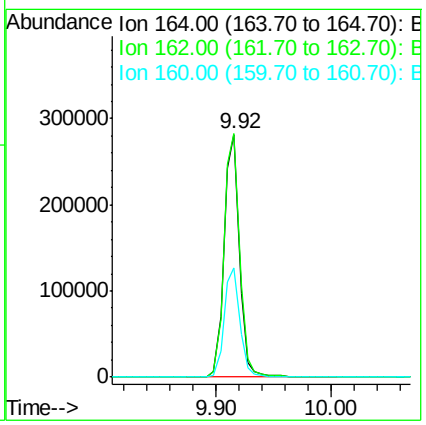
Instrument :
BNA_F
ClientSampleId :

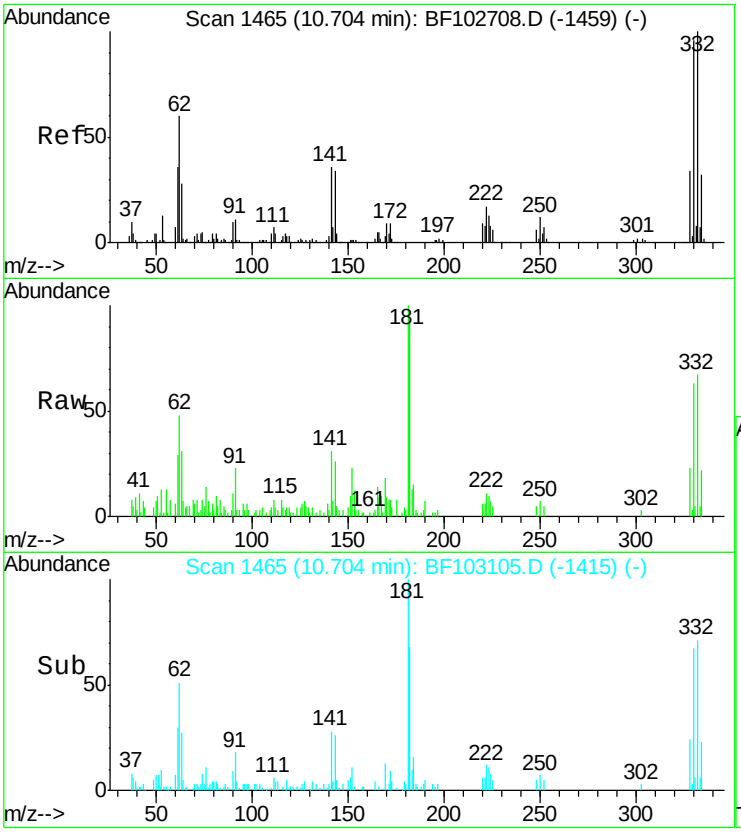


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:164 Resp: 260176

Ion	Ratio	Lower	Upper
164	100		
162	100.4	86.1	129.1
160	45.2	38.3	57.5



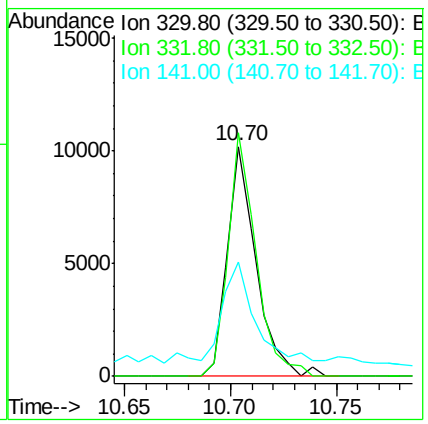


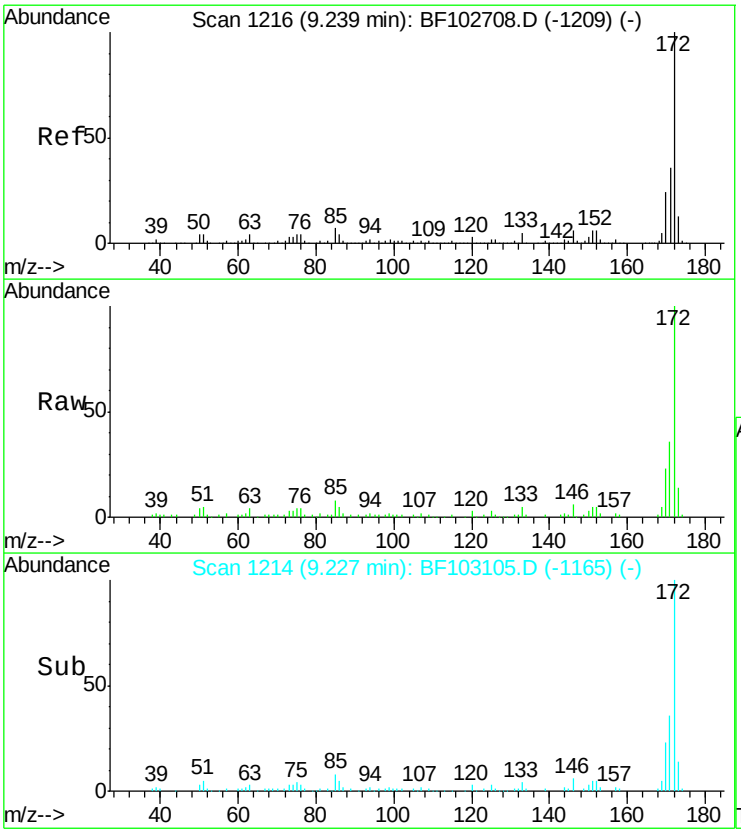
#41
2,4,6-Tribromophenol
Concen: 4.58 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 9596

Ion	Ratio	Lower	Upper
330	100		
332	101.9	77.0	115.6
141	46.2	29.9	44.9#

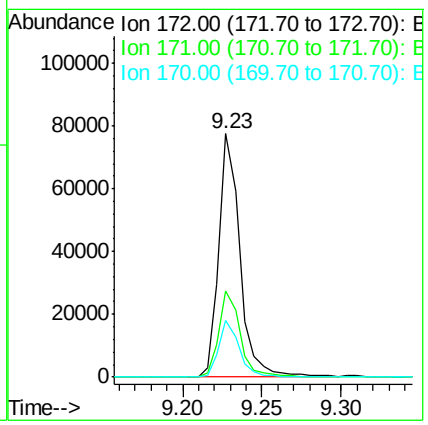


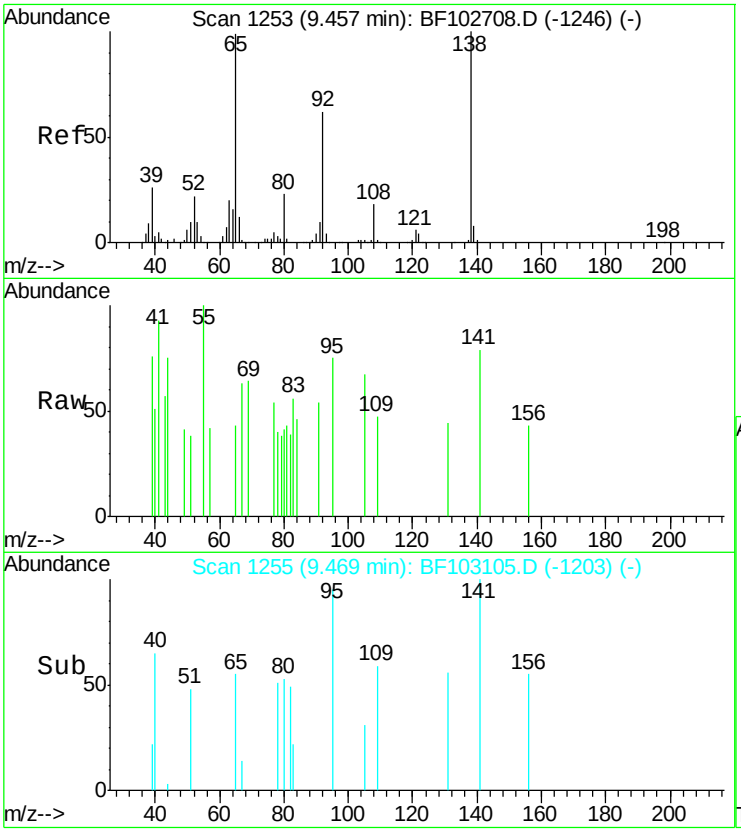


#44
2-Fluorobiphenyl
Concen: 4.57 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:172 Resp: 71673

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.3	19.6	29.4



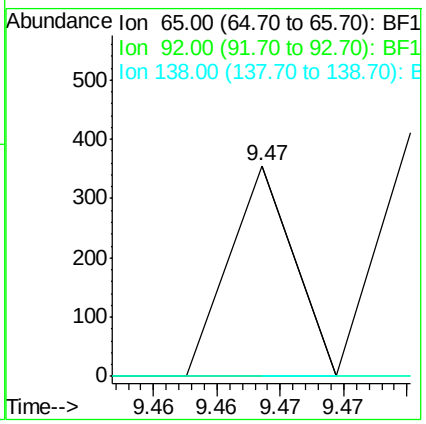


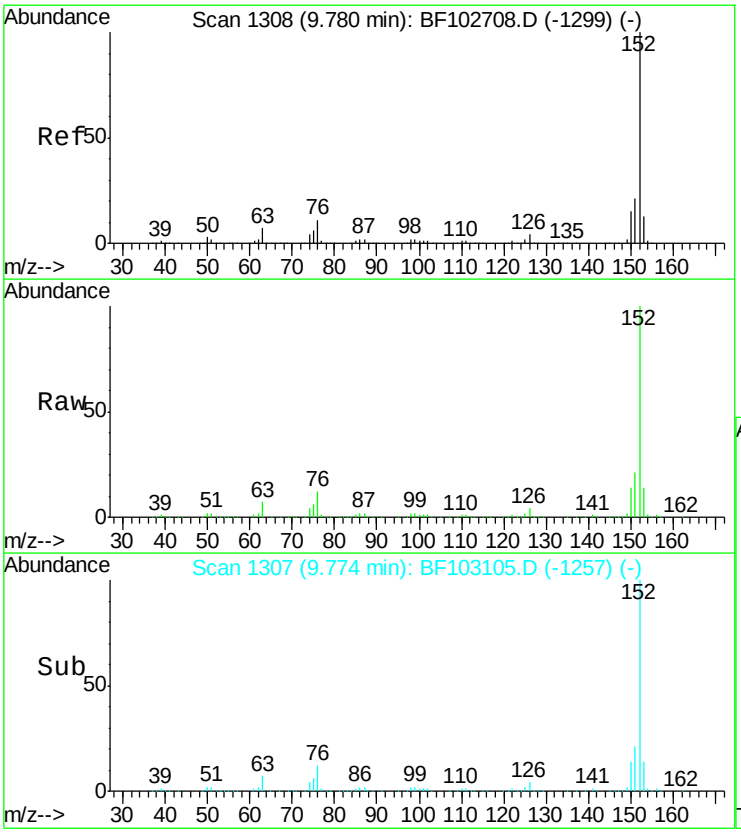
#47
2-Nitroaniline
Concen: 3.49 ng
RT: 9.47 min Scan# 1255
Delta R.T. 0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 65 Resp: 126

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

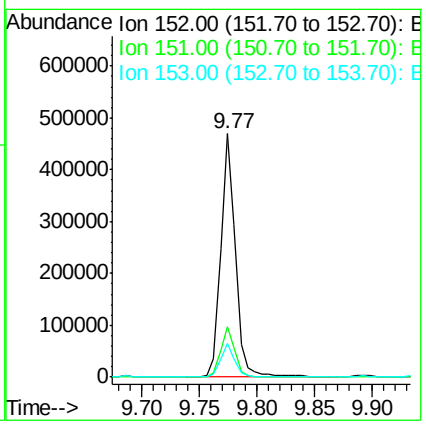


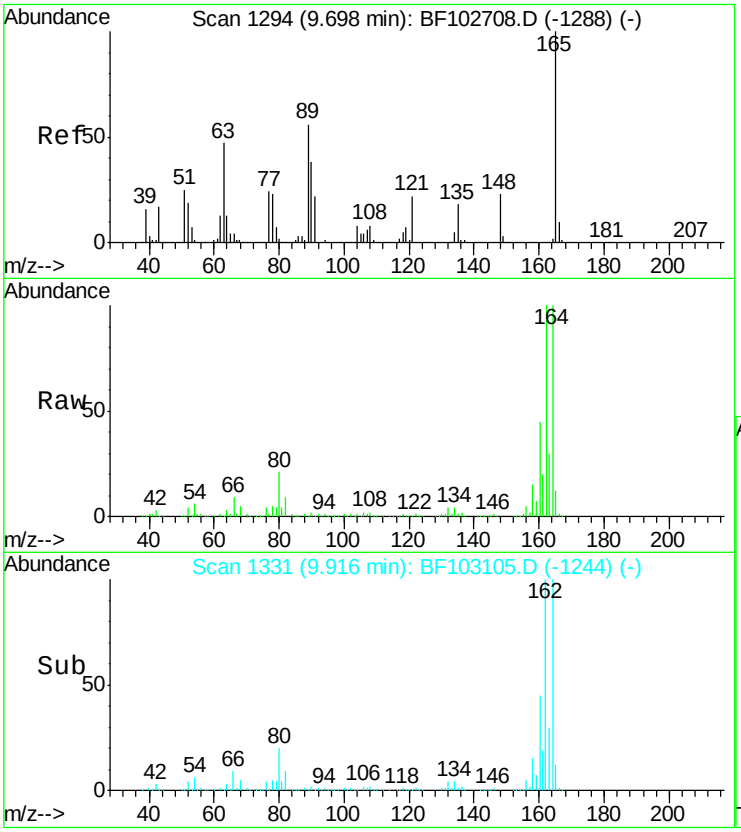


#48
Acenaphthylene
Concen: 15.36 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:152 Resp: 411642

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	13.6	10.7	16.1



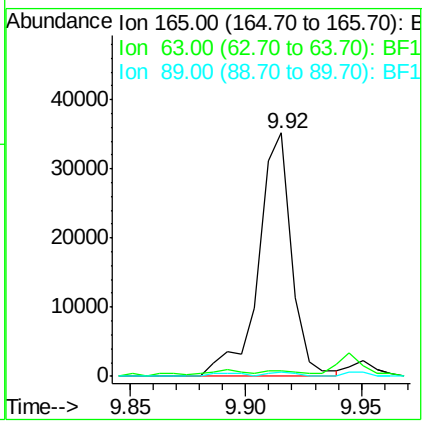


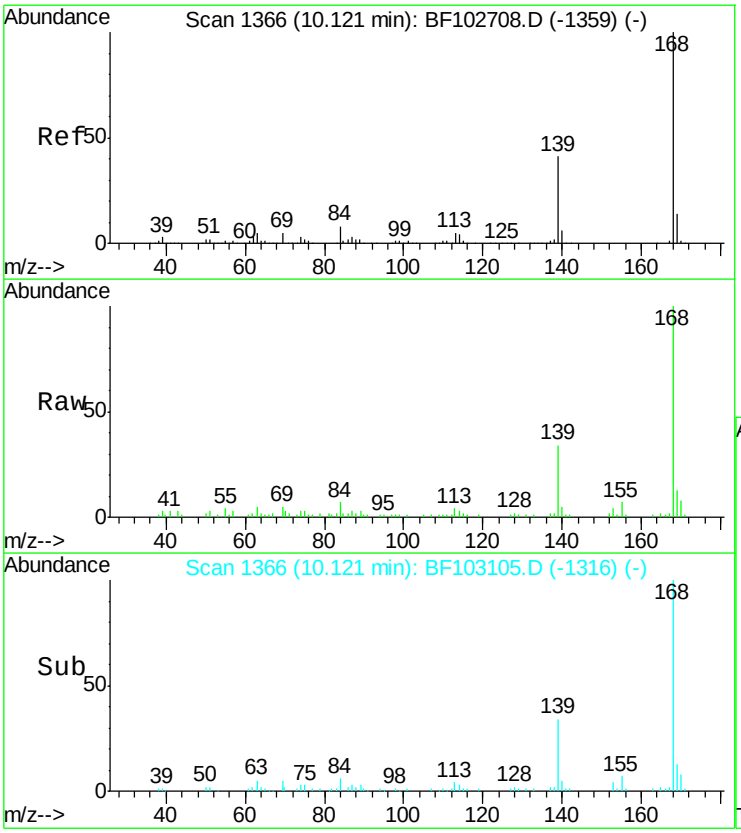
#50
2,6-Dinitrotoluene
Concen: 9.16 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 35351

Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.7	67.1#
89	1.9	44.0	66.0#

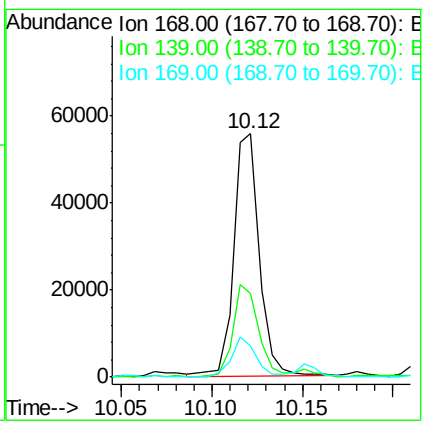


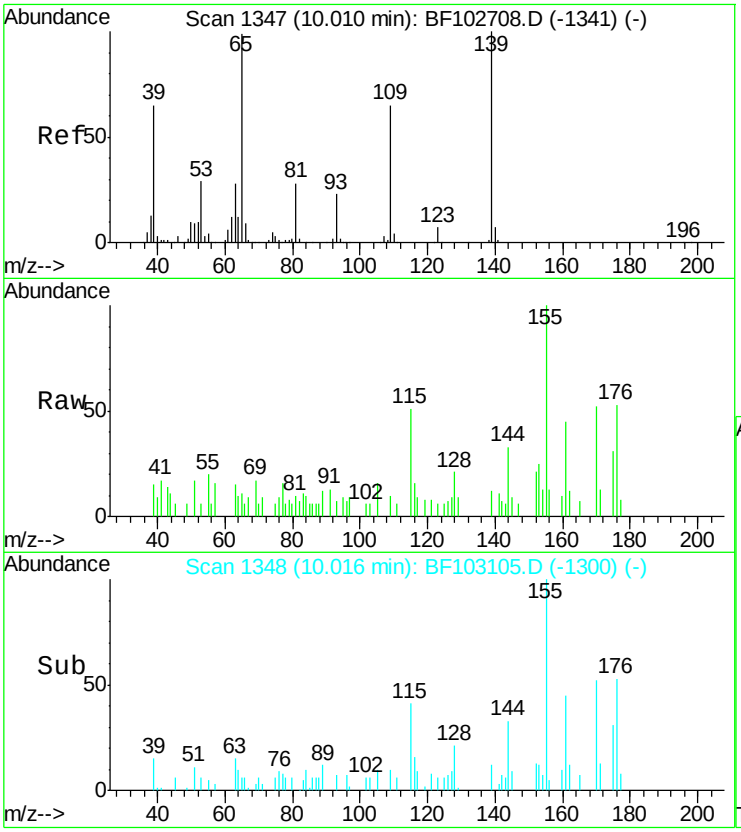


#54
Dibenzofuran
Concen: 2.41 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:168 Resp: 54398

Ion	Ratio	Lower	Upper
168	100		
139	34.4	30.1	45.1
169	13.0	10.9	16.3



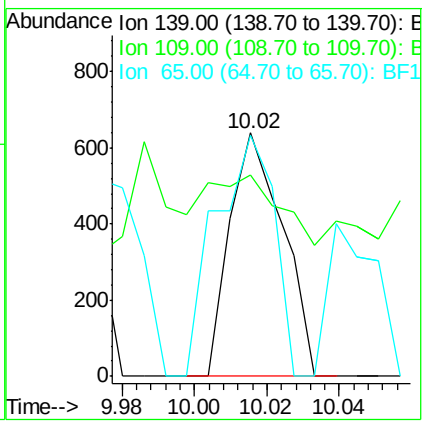


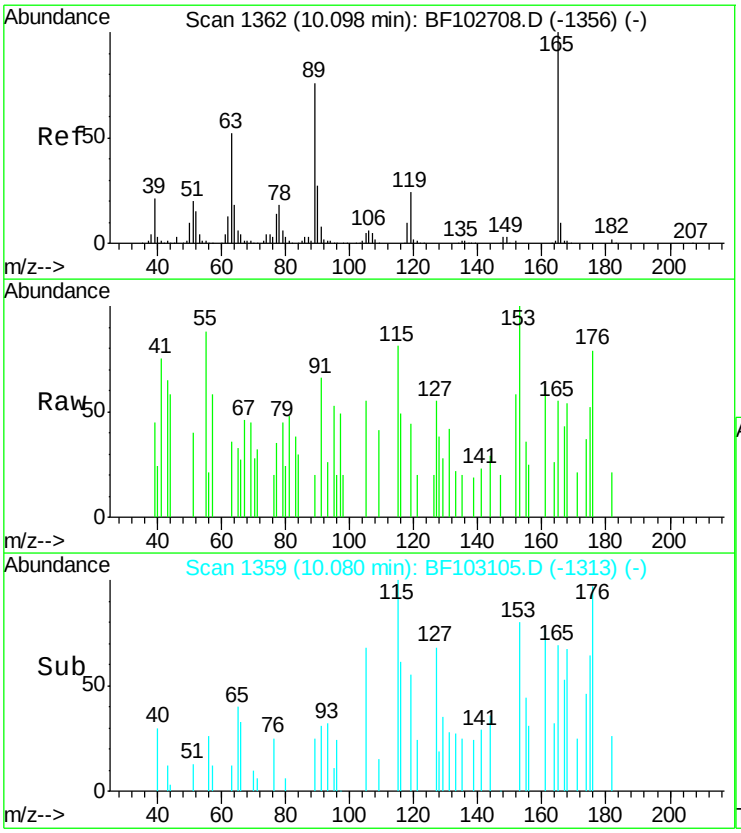
#55
4-Nitrophenol
Concen: 4.18 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.02 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 649

Ion	Ratio	Lower	Upper
139	100		
109	82.8	48.4	88.4
65	98.9	72.6	112.6

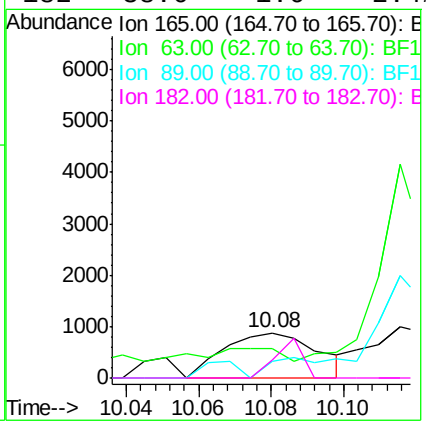


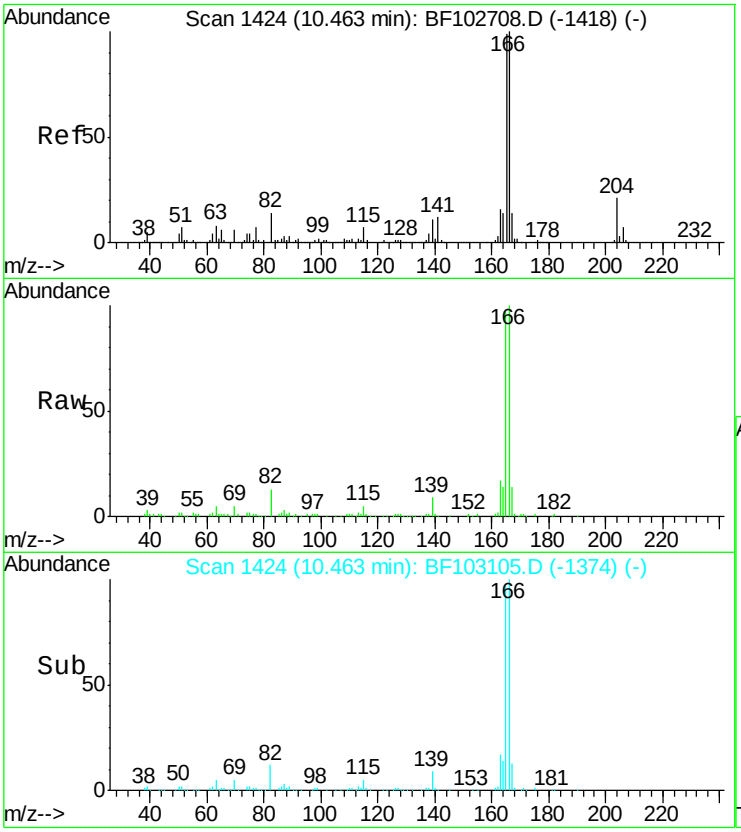


#56
2,4-Dinitrotoluene
Concen: 3.36 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.03 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:165 Resp: 1559

Ion	Ratio	Lower	Upper
165	100		
63	65.2	36.4	54.6#
89	36.0	57.8	86.6#
182	38.6	1.6	2.4#



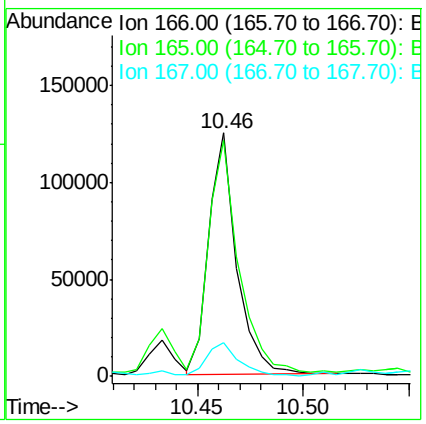


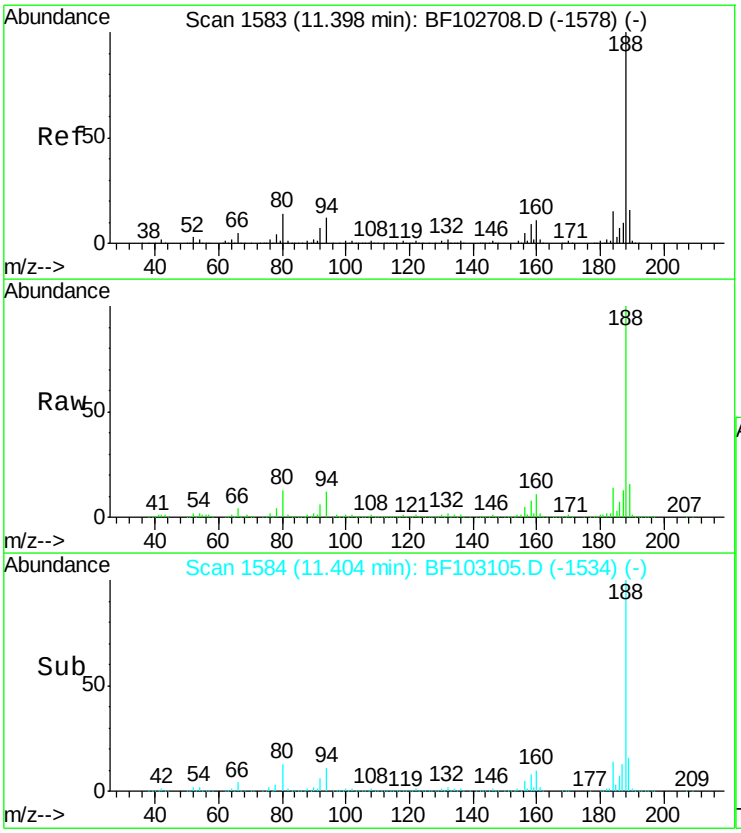
#57
Fluorene
Concen: 7.03 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 115449

Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.8	119.8
167	13.8	10.6	16.0

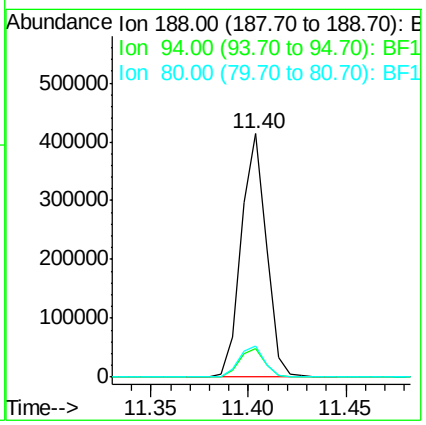


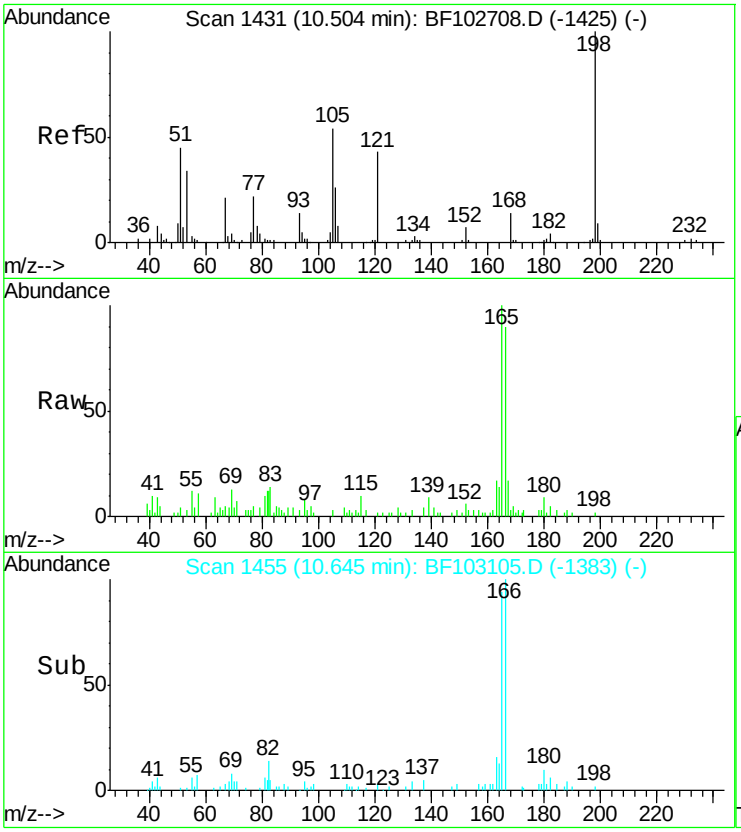


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:188 Resp: 369092

Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.6	9.2	13.8



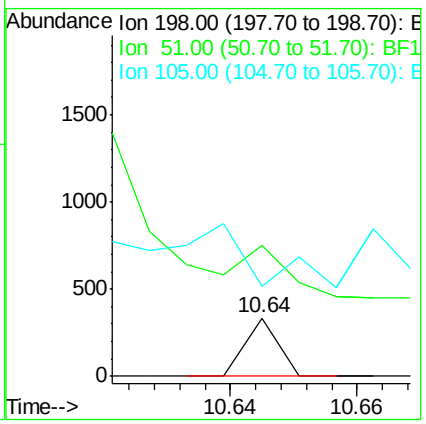


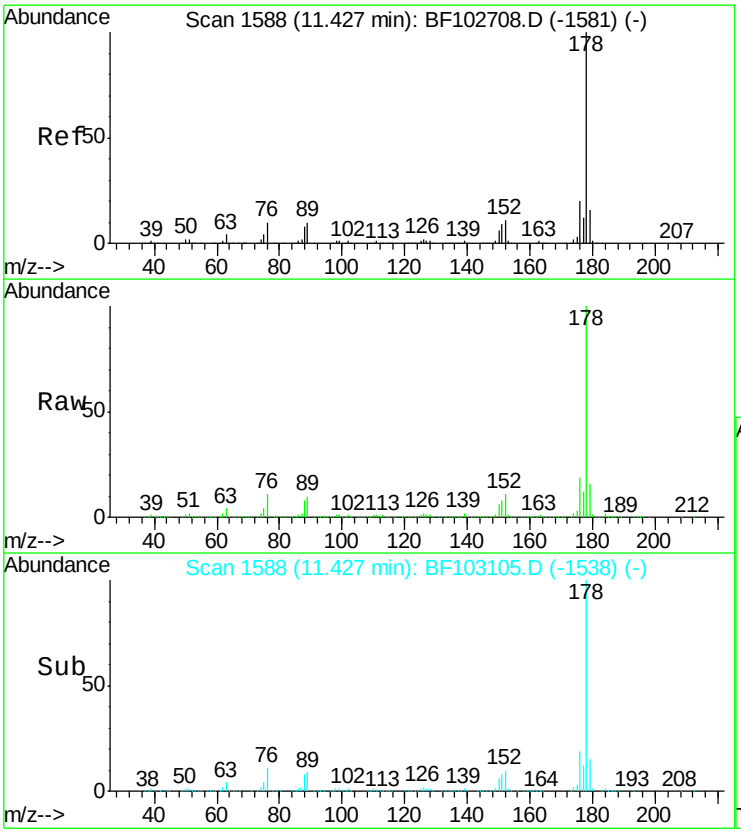
#64
4,6-Dinitro-2-methylphenol
Concen: 8.86 ng
RT: 10.64 min Scan# 1455
Delta R.T. 0.12 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:198 Resp: 118

Ion	Ratio	Lower	Upper
198	100		
51	226.0	37.7	77.7#
105	154.2	36.3	76.3#

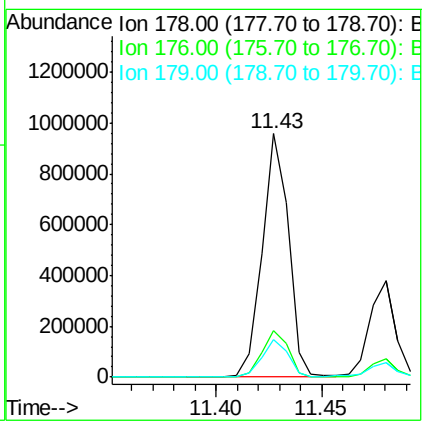


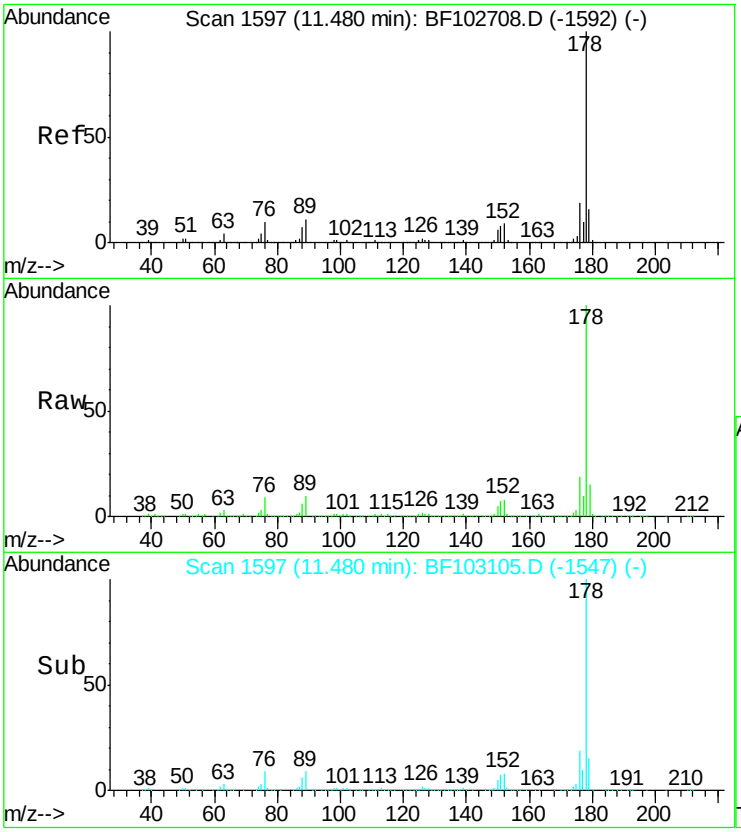


#70
Phenanthrene
Concen: 40.27 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:178 Resp: 827819

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.5	13.0	19.6



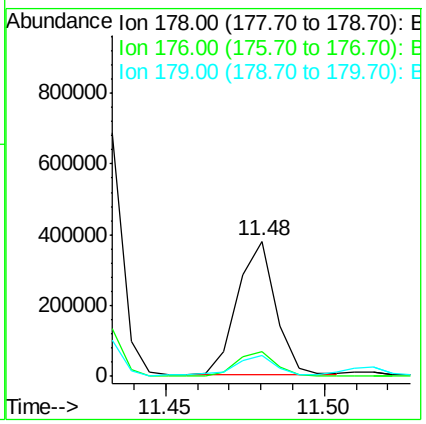


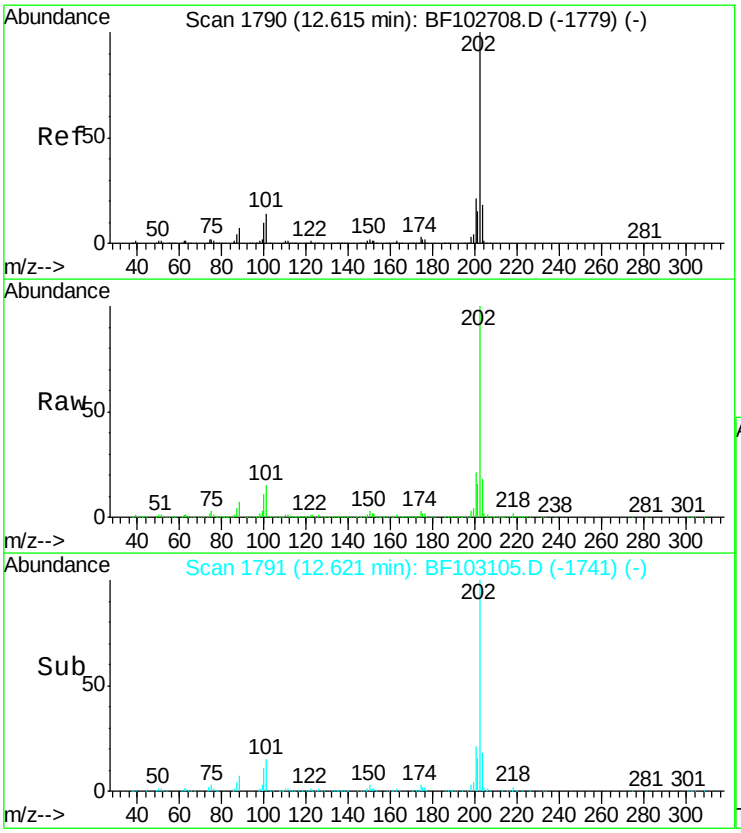
#71
Anthracene
Concen: 14.94 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 312454

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.4	12.6	19.0

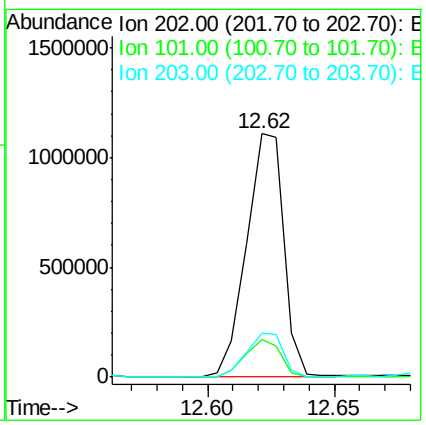


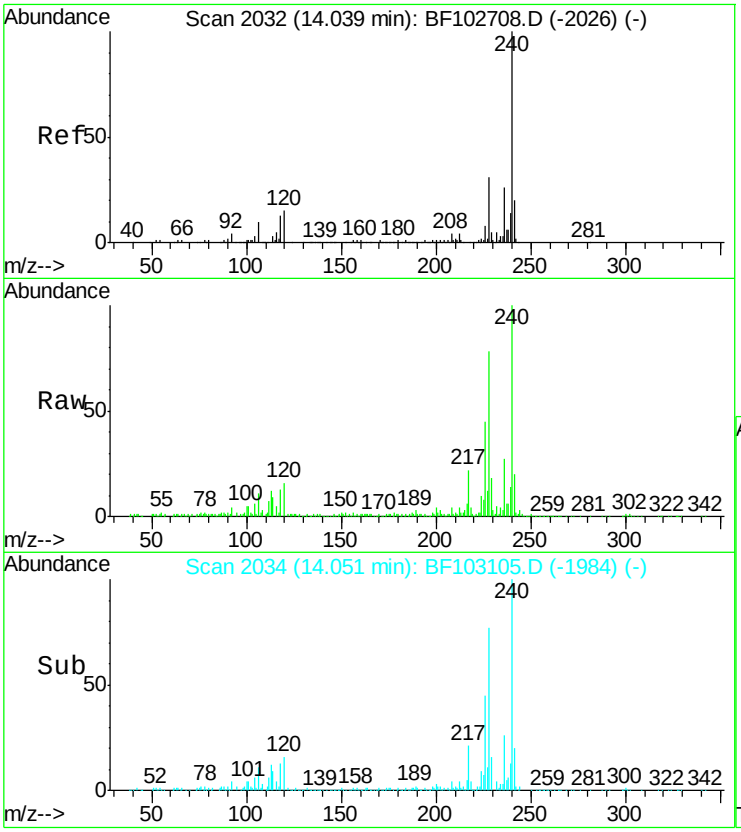


#74
Fluoranthene
Concen: 54.83 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:202 Resp: 1133894

Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	34.1
203	18.1	0.0	38.1



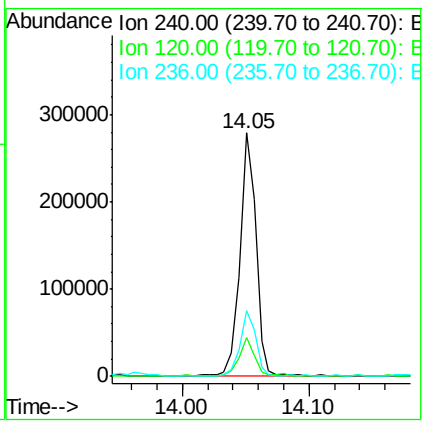


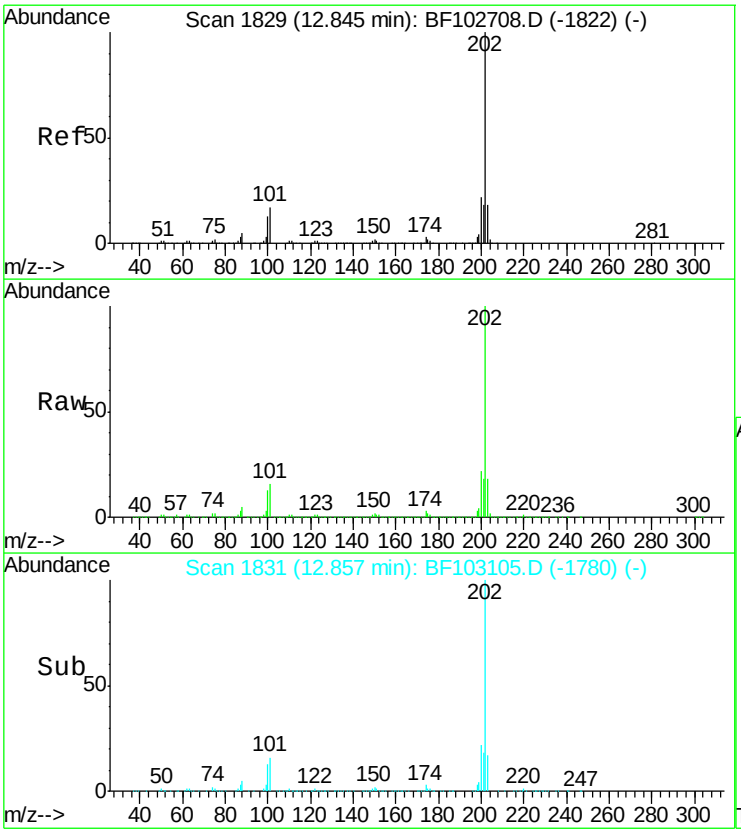
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 239678

Ion	Ratio	Lower	Upper
240	100		
120	15.7	9.5	14.3#
236	26.8	20.7	31.1

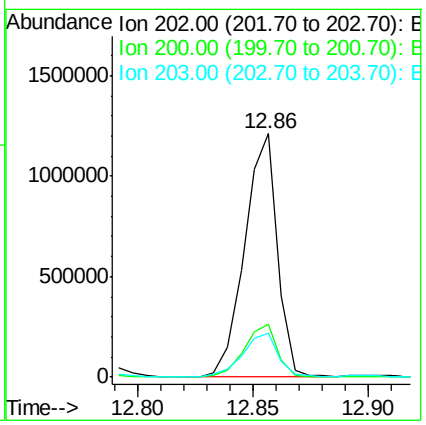


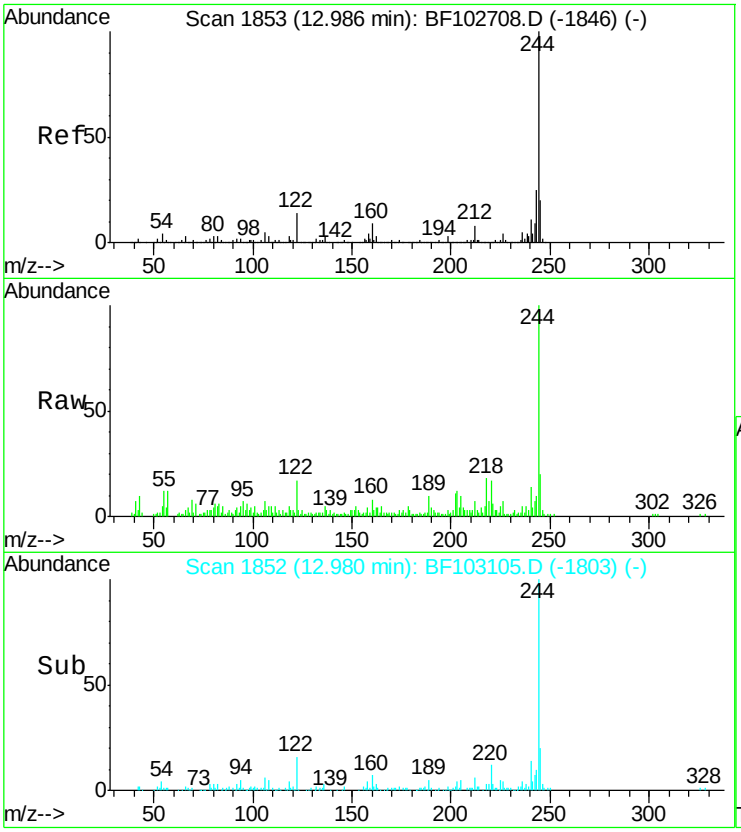


#77
Pyrene
Concen: 63.38 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:202 Resp: 1191261

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.8	14.3	21.5



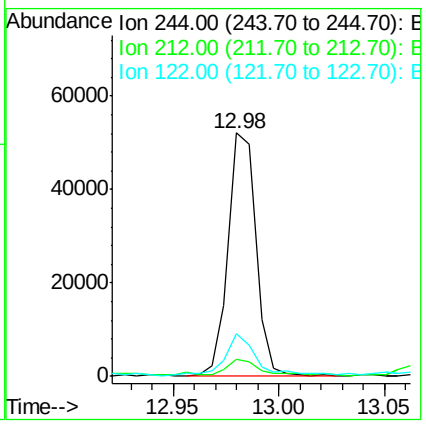


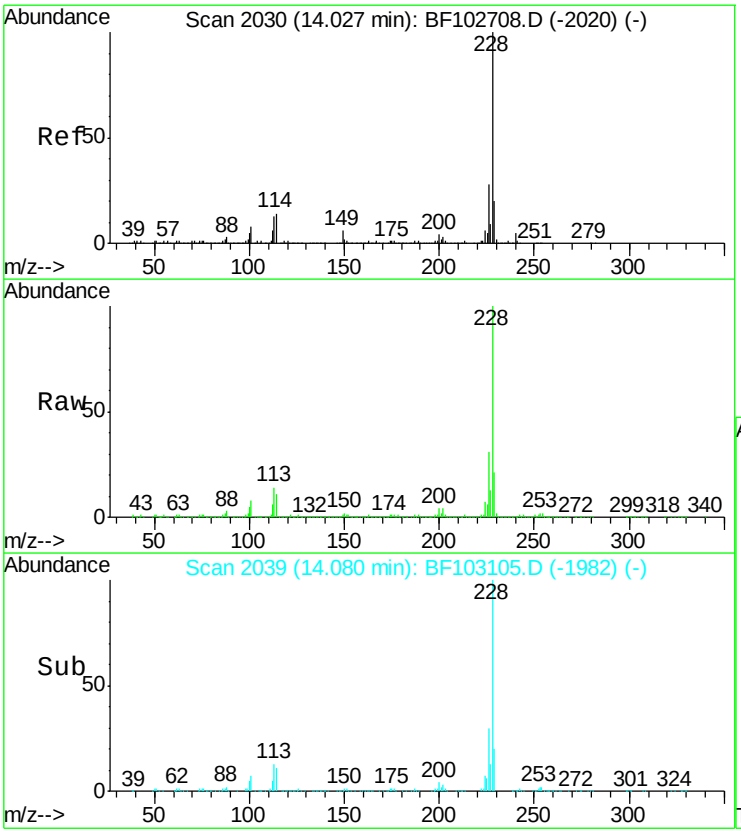
#78
Terphenyl-d14
Concen: 4.70 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 47599

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	17.4	11.0	16.4#

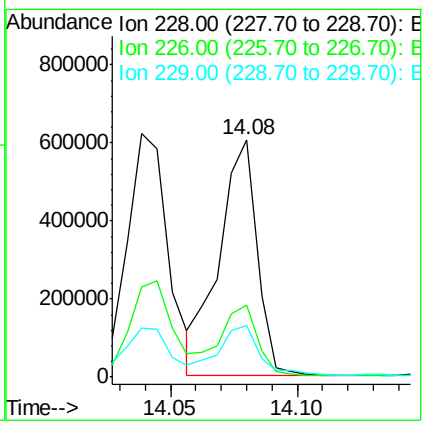


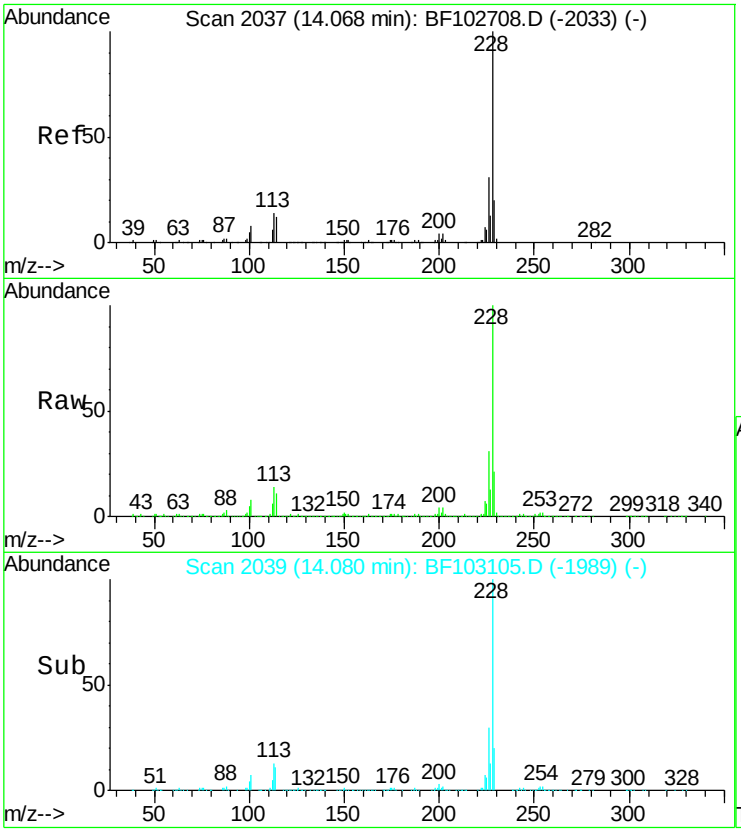


#80
Benzo(a)anthracene
Concen: 41.81 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.04 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:228 Resp: 630219

Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	21.5	15.8	23.6



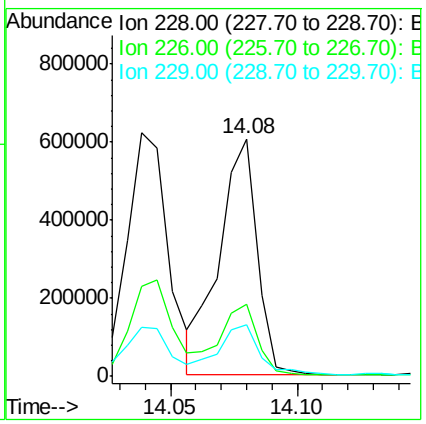


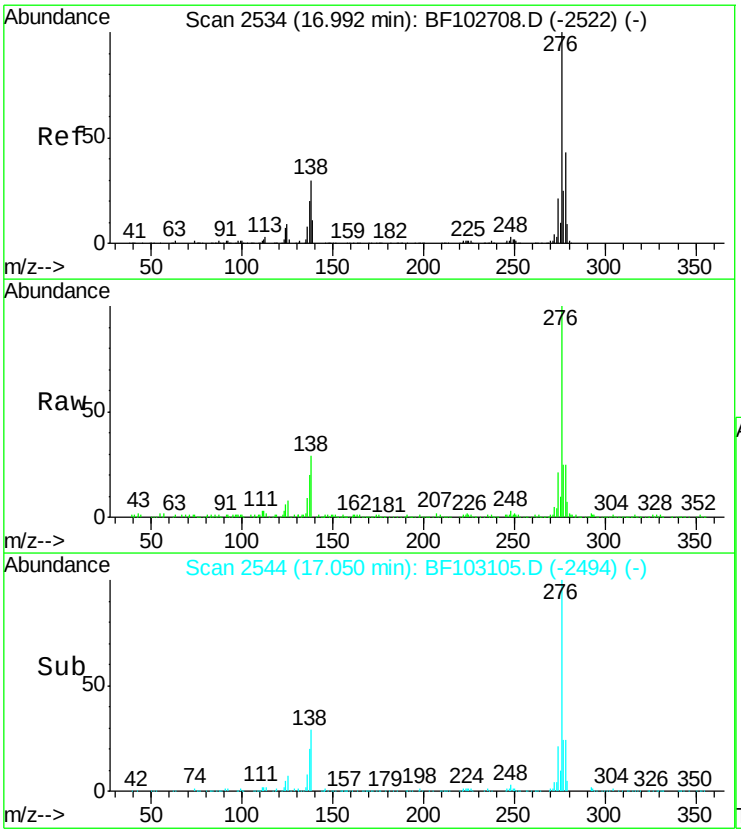
#82
Chrysene
Concen: 41.48 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 630219

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.5	16.2	24.4

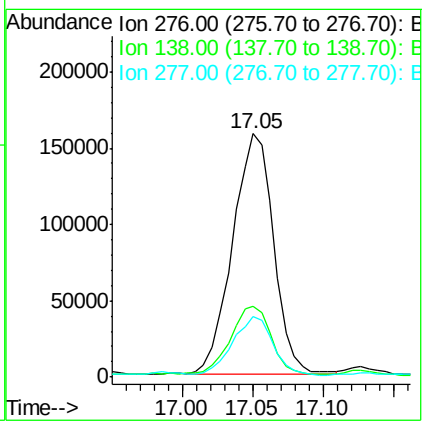


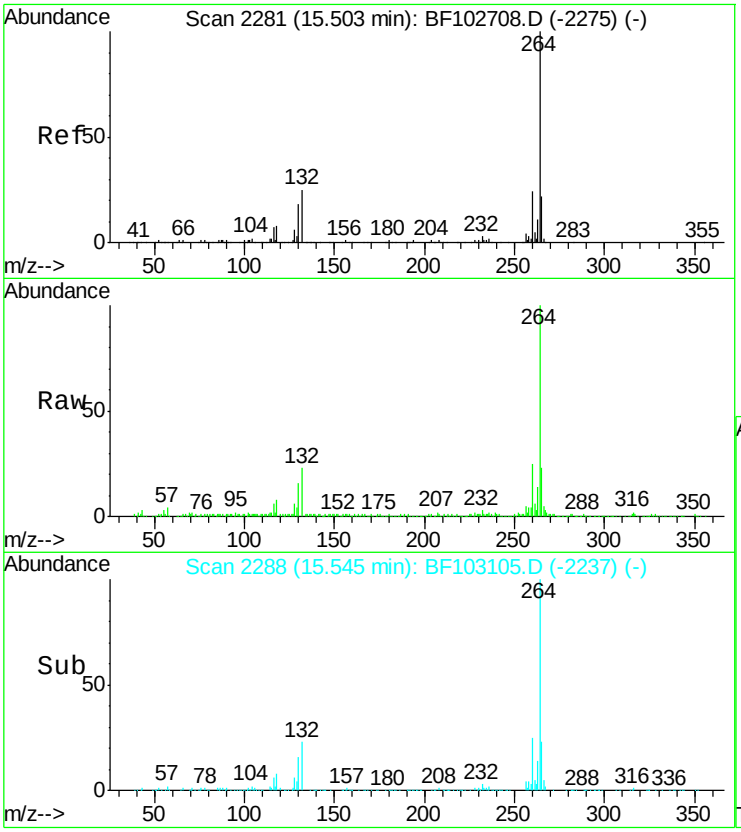


#85
Indeno(1,2,3-cd)pyrene
Concen: 25.35 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:276 Resp: 319503

Ion	Ratio	Lower	Upper
276	100		
138	28.7	25.0	37.6
277	23.9	20.1	30.1



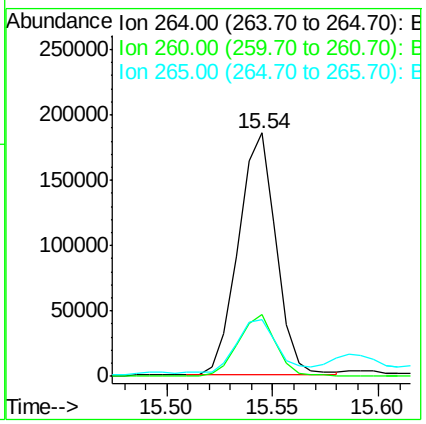


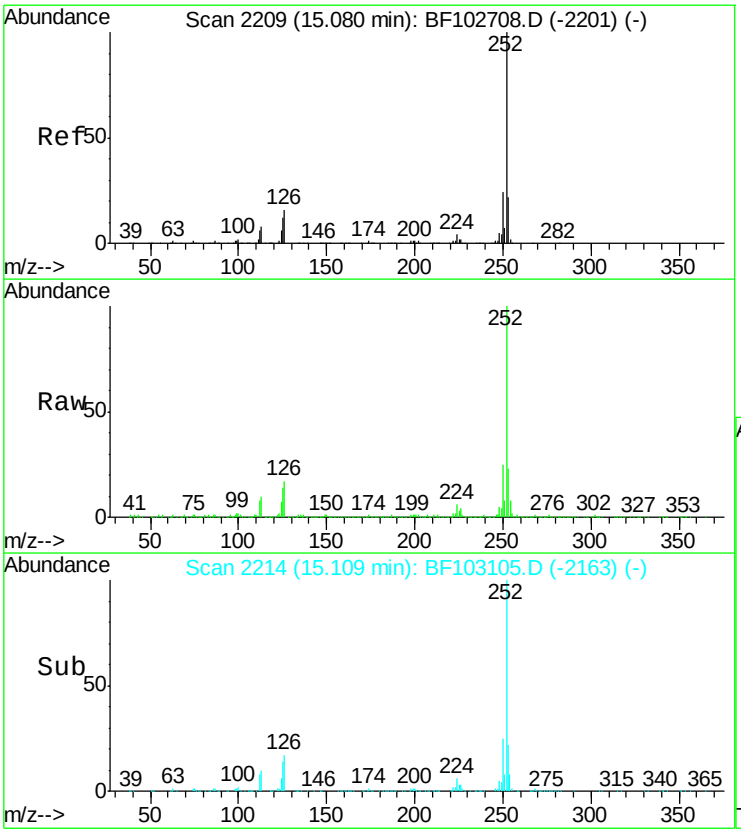
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 230895

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	23.2	17.5	26.3

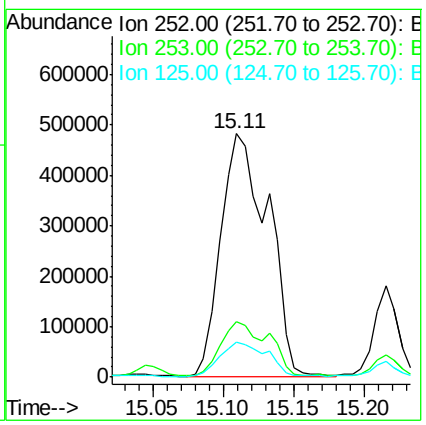


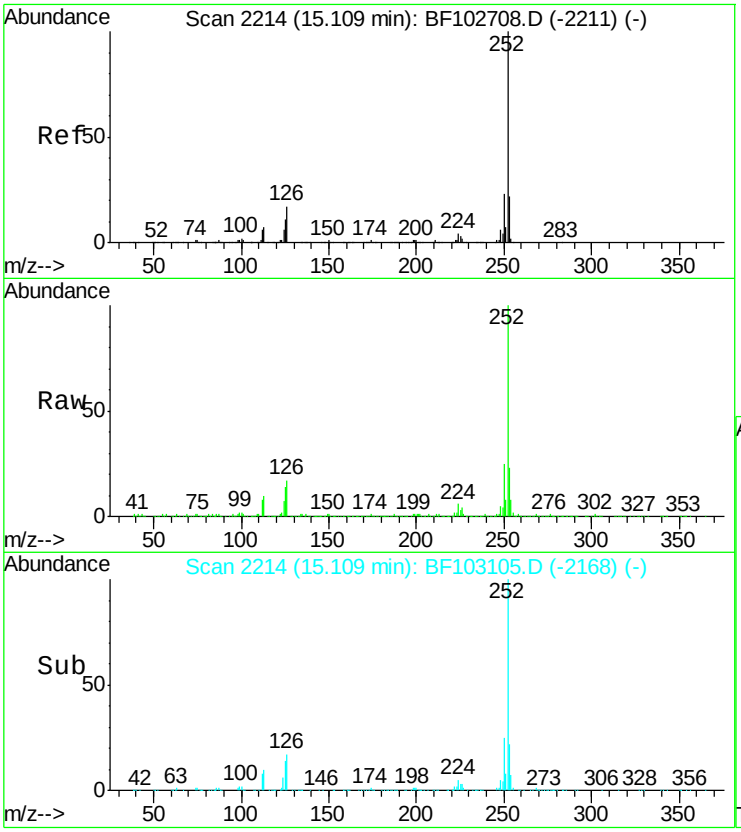


#87
Benzo(b)fluoranthene
Concen: 75.02 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.00 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:252 Resp: 1122997

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	14.4	9.0	13.6#



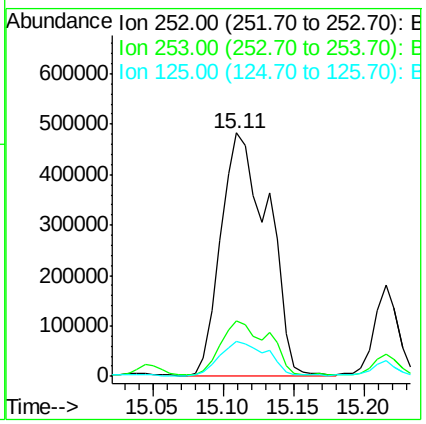


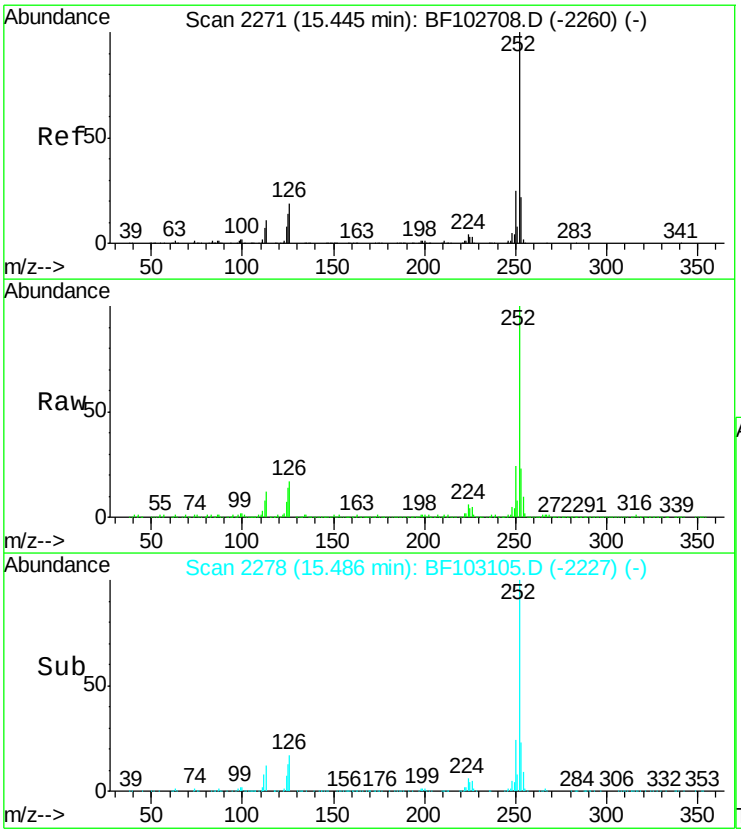
#88
Benzo(k)fluoranthene
Concen: 78.51 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.03 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1122997

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	14.4	10.2	15.2

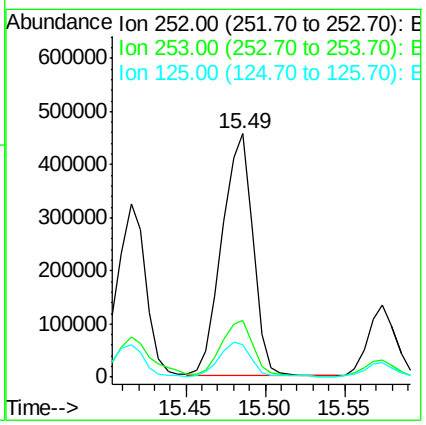


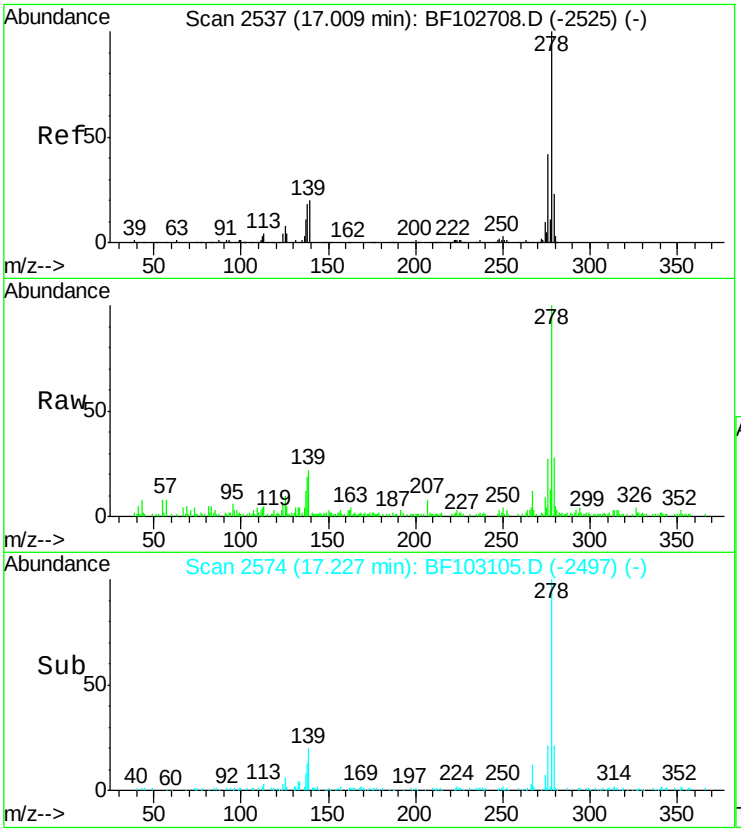


#89
Benzo(a)pyrene
Concen: 46.14 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.00 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:252 Resp: 621775

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	13.5	9.8	14.6



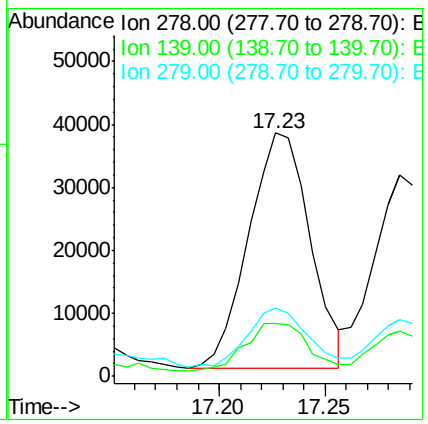


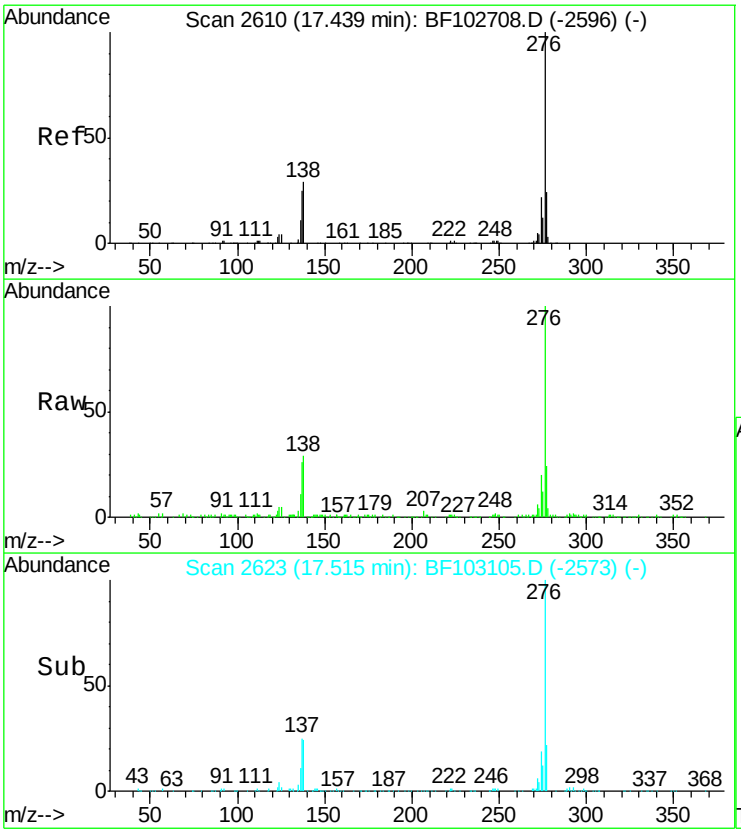
#90
Dibenzo(a,h)anthracene
Concen: 6.90 ng
RT: 17.23 min Scan# 2574
Delta R.T. 0.15 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 75425

Ion	Ratio	Lower	Upper
278	100		
139	21.8	15.9	23.9
279	28.1	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 28.13 ng
RT: 17.52 min Scan# 2623
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:276 Resp: 301171

Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	28.7	21.8	32.8