Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022018\
Data File : BF103118.D
Acq On : 20 Feb 2018 11:54
Operator : SJ/JU
Sample : J1600-01DL 100X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Feb 20 14:00:53 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	158031	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	672420	20.00	ng		0.00
38) Acenaphthene-d10	9.91	164	307249	20.00	ng		-0.01
63) Phenanthrene-d10	11.40	188	521430	20.00	ng		0.00
75) Chrysene-d12	14.05	240	315120	20.00	ng		0.00
86) Perylene-d12	15.54	264	304721	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	10091	0.97	ng		0.00
7) Phenol-d6	6.51	99	13420	1.07	ng		0.00
23) Nitrobenzene-d5	7.44	82	7677	0.79	ng		0.00
41) 2,4,6-Tribromophenol	10.70	330	2171	0.88	ng		0.00
44) 2-Fluorobiphenyl	9.23	172	12511	0.68	ng		0.00
78) Terphenyl-d14	12.98	244	11675	0.88	ng		-0.01
Target Compounds							Qvalue
24) Nitrobenzene	7.52	77	143	Below Cal		#	38
31) Naphthalene	8.18	128	492476	14.990	ng		99
32) Benzoic acid	8.18	122	989	8.687	ng	#	1
33) 4-Chloroaniline	8.18	127	64190	4.535	ng	#	37
47) 2-Nitroaniline	9.57	65	125	3.491	ng	#	2
48) Acenaphthylene	9.77	152	136171	4.303	ng		100
50) 2,6-Dinitrotoluene	9.91	165	41307	9.063	ng	#	26
51) Acenaphthene	9.95	154	74354	3.929	ng		96
54) Dibenzofuran	10.12	168	78725	2.952	ng		94
55) 4-Nitrophenol	10.12	139	30857	10.383	ng	#	9
56) 2,4-Dinitrotoluene	9.95	165	1315	3.277	ng	#	1
57) Fluorene	10.46	166	177486	9.147	ng		98
70) Phenanthrene	11.43	178	996599	34.318	ng		99
71) Anthracene	11.48	178	278597	9.432	ng		99
74) Fluoranthene	12.62	202	1174190	40.187	ng		98
77) Pyrene	12.85	202	912036	36.909	ng		99
80) Benzo(a)anthracene	14.07	228	317359	16.014	ng		95
82) Chrysene	14.07	228	317313	15.883	ng		97
85) Indeno(1,2,3-cd)pyrene	17.04	276	162917	9.833	ng		96
87) Benzo(b)fluoranthene	15.10	252	518649	26.253	ng	#	94
88) Benzo(k)fluoranthene	15.10	252	518649	27.475	ng		97
89) Benzo(a)pyrene	15.48	252	279823	15.735	ng		97
90) Dibenzo(a,h)anthracene	16.85	278	32704	2.266	ng		94
91) Benzo(g,h,i)perylene	17.50	276	141476	10.014	ng		99

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

Quantitation Report (Not Reviewed)

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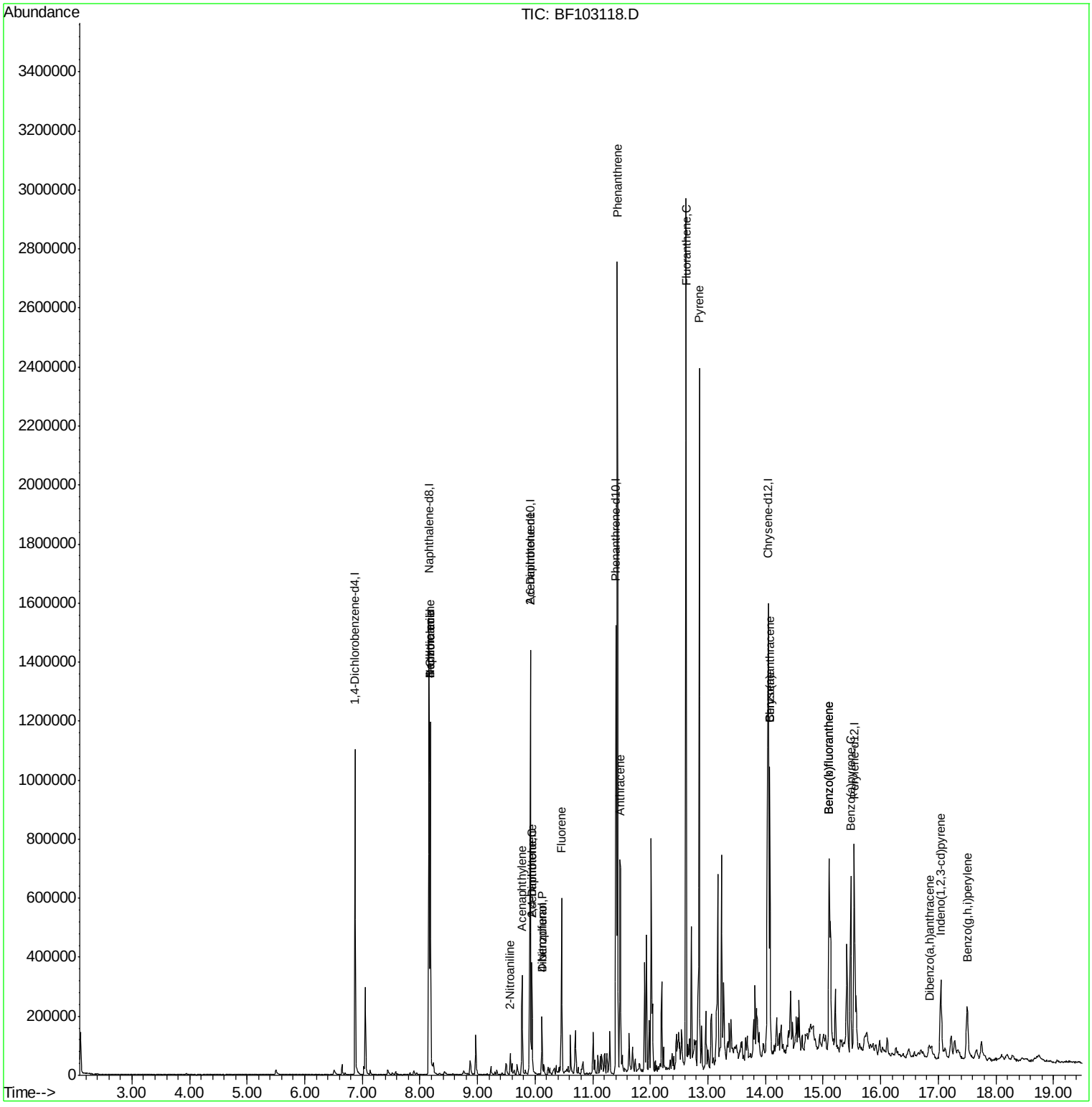
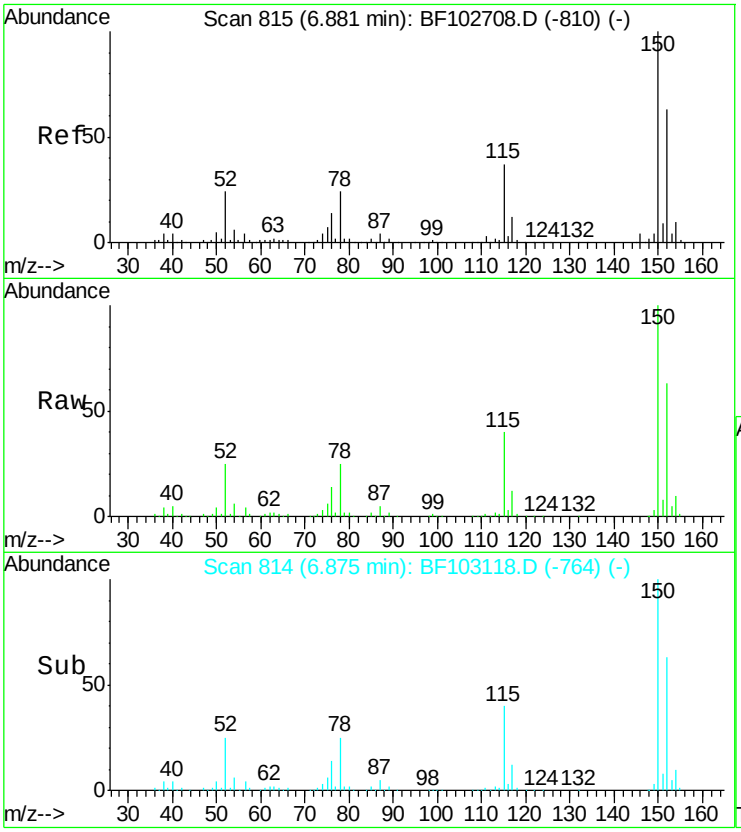
Acq On : 20 Feb 2018 11:54
Operator : SJ/JU
Sample : J1600-01DL 100X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 20 14:00:53 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



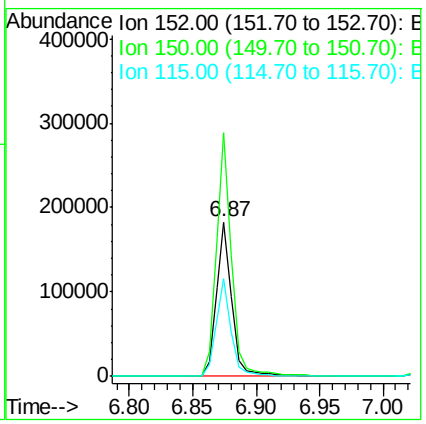


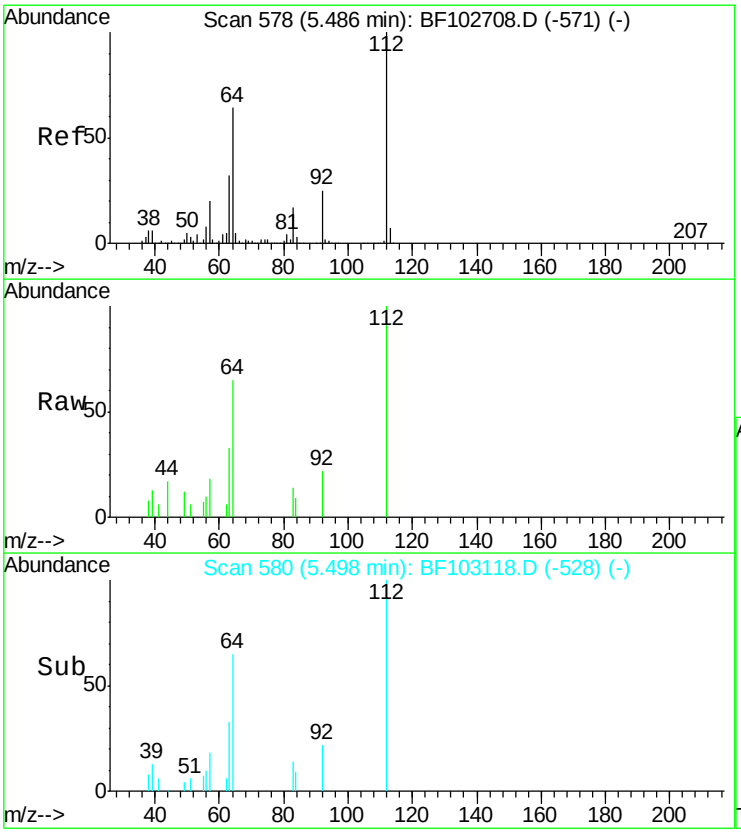
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 158031

Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	186.8
115	62.9	50.1	75.1

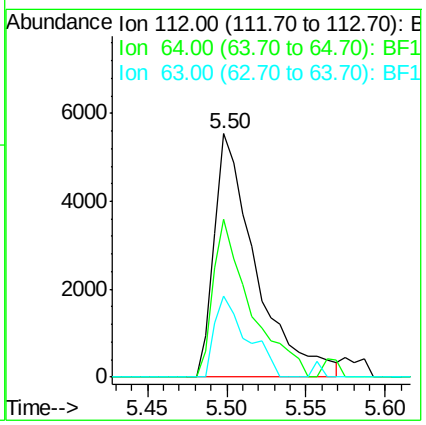


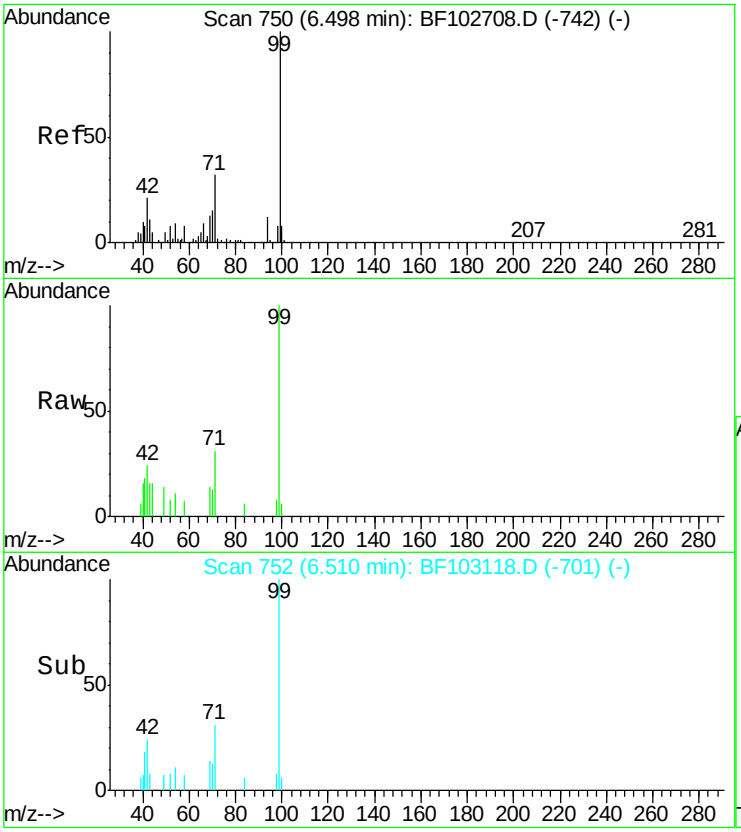


#5
2-Fluorophenol
Concen: 0.970 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:112 Resp: 10091

Ion	Ratio	Lower	Upper
112	100		
64	64.9	47.9	71.9
63	33.3	23.7	35.5



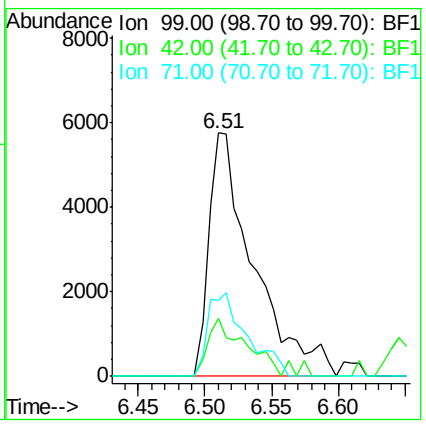


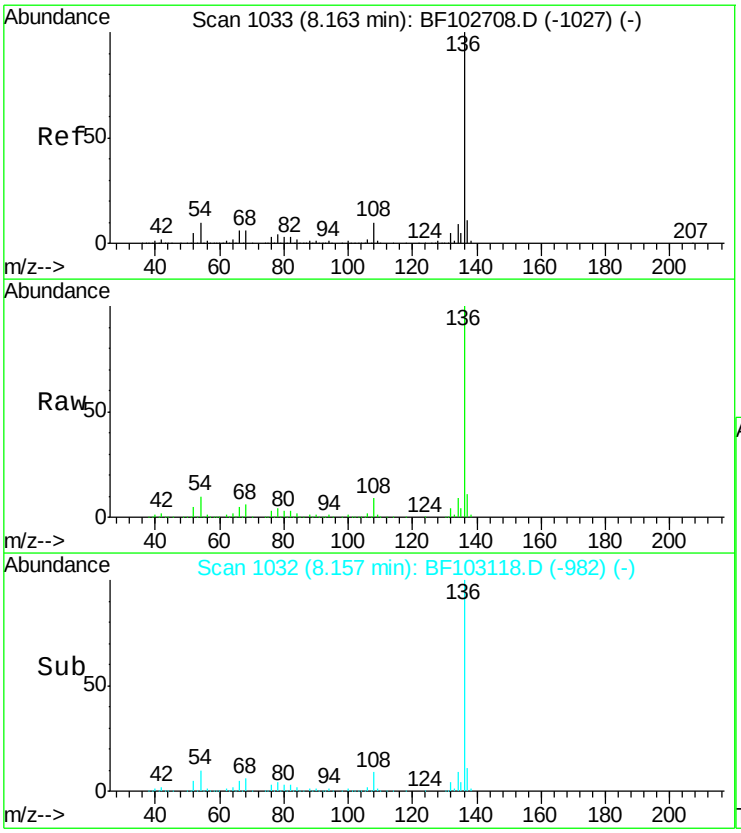
#7
Phenol-d6
Concen: 1.071 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.00 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 13420

Ion	Ratio	Lower	Upper
99	100		
42	23.7	14.5	21.7#
71	31.3	25.4	38.0

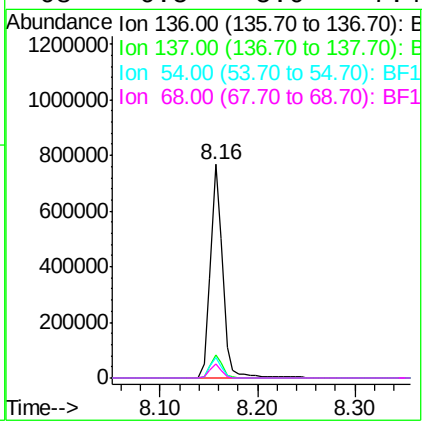


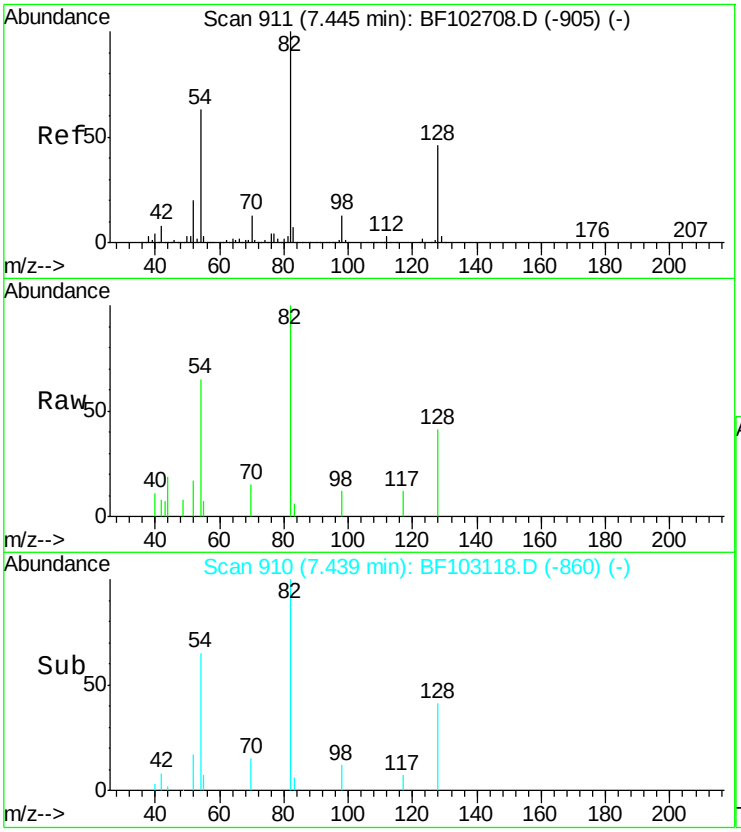


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:136 Resp: 672420

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.6	6.6	9.8
68	6.5	5.0	7.4



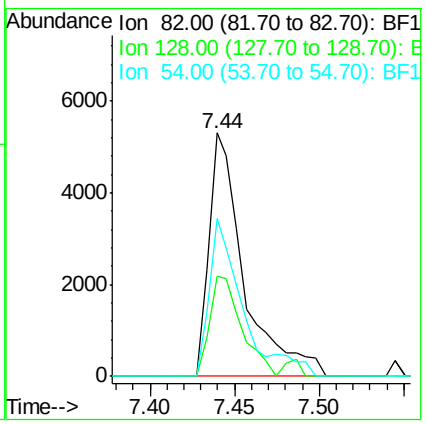


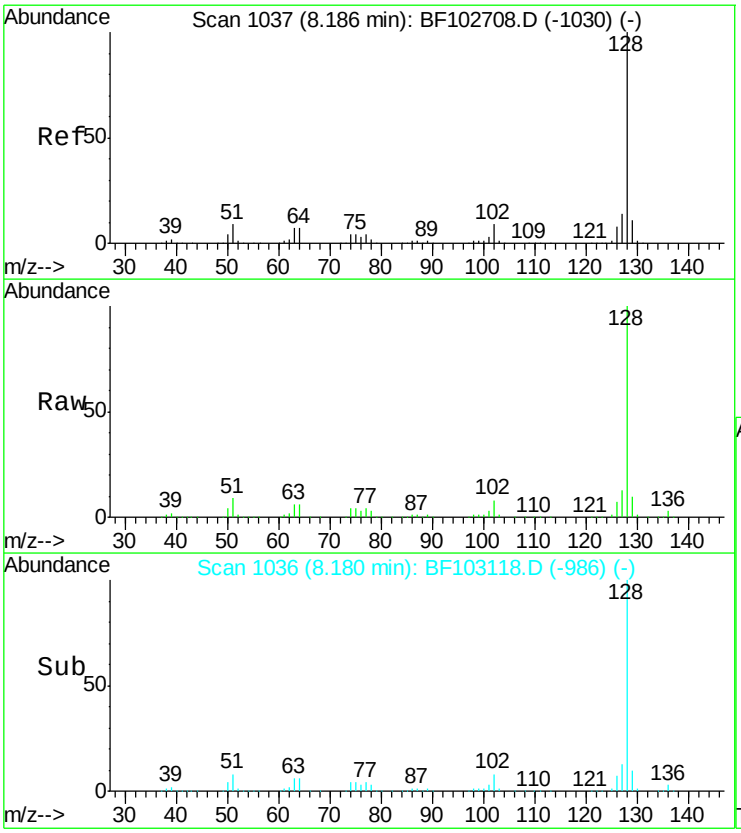
#23
Nitrobenzene-d5
Concen: 0.792 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 7677

Ion	Ratio	Lower	Upper
82	100		
128	41.3	36.1	54.1
54	65.0	41.4	62.2#

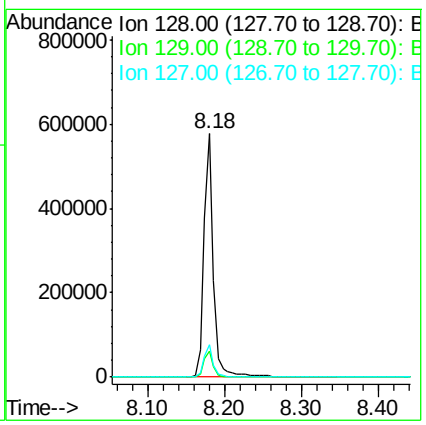


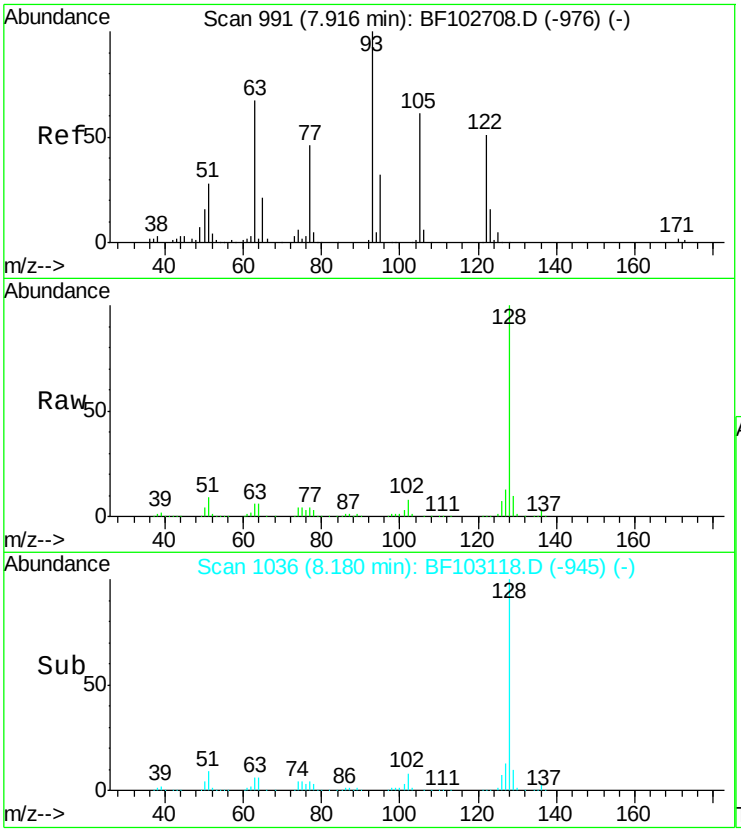


#31
Naphthalene
Concen: 14.990 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:128 Resp: 492476

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	13.4	10.9	16.3



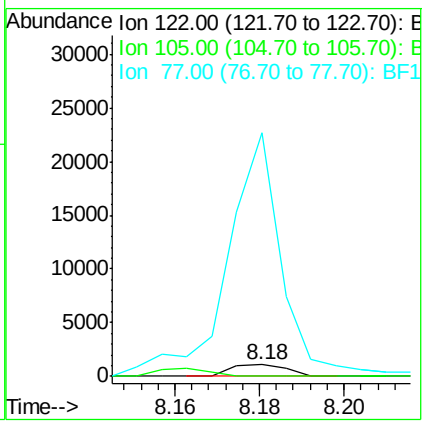


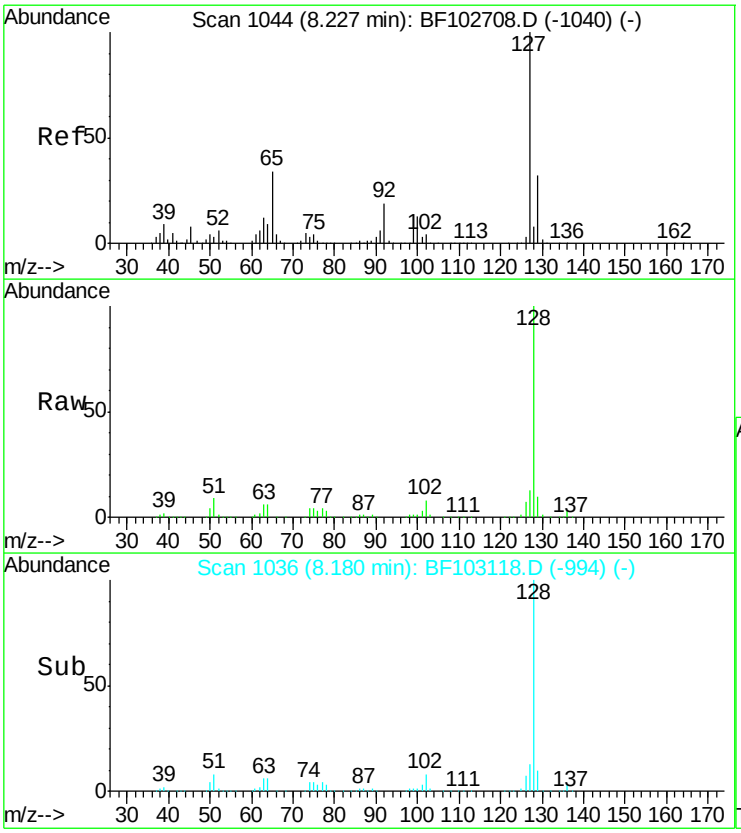
#32
Benzoic acid
Concen: 8.687 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.24 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 989

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	2149.8	70.7	110.7#

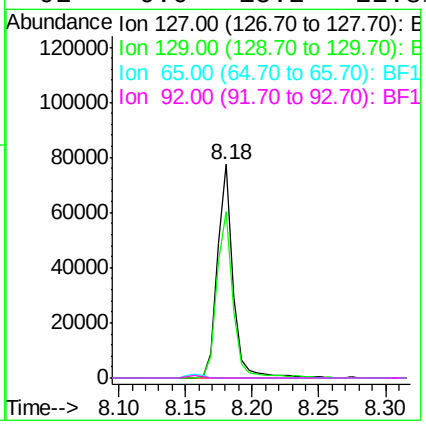


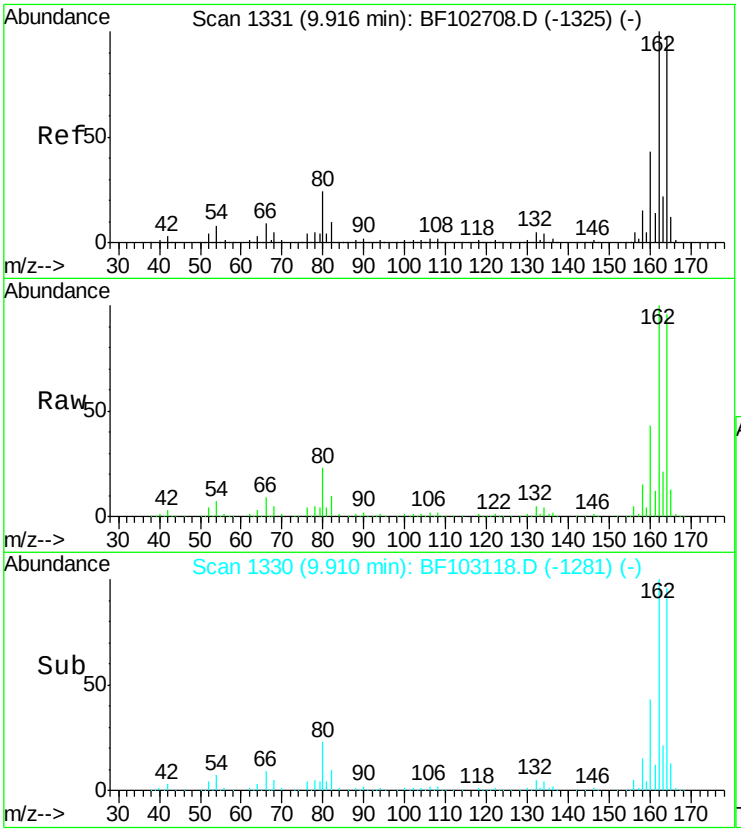


#33
4-Chloroaniline
Concen: 4.535 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.05 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:127 Resp: 64190

Ion	Ratio	Lower	Upper
127	100		
129	78.0	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



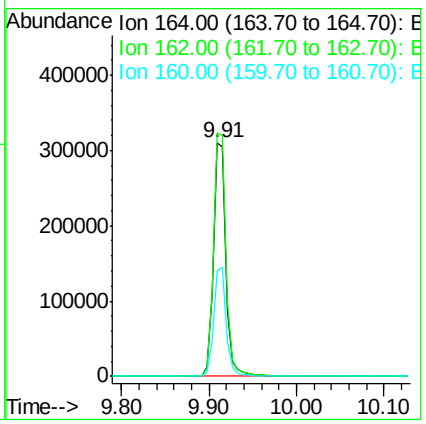


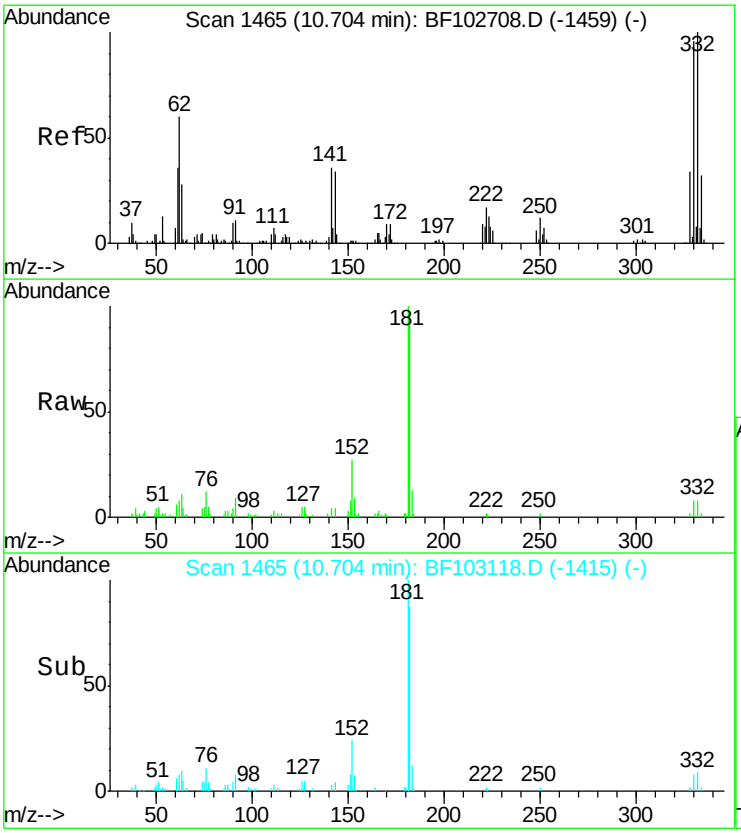
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 307249

Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	45.2	38.3	57.5

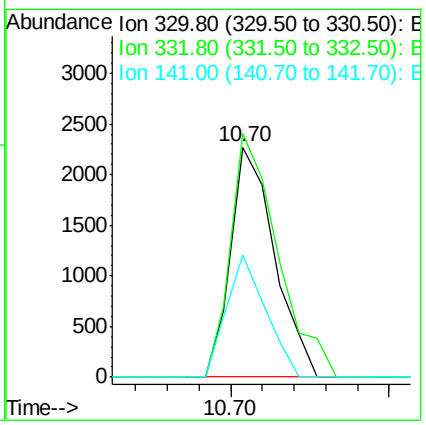


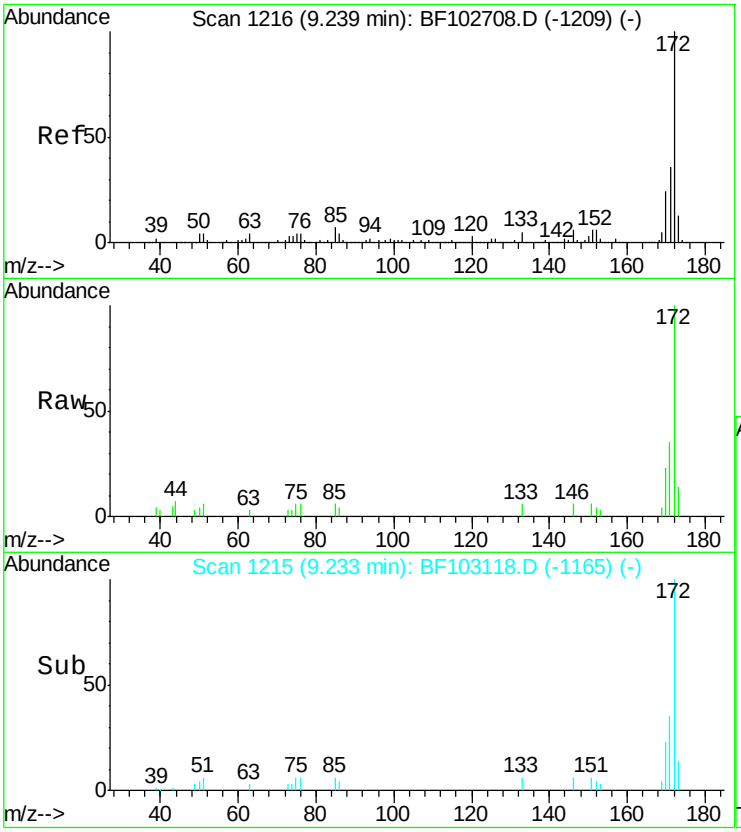


#41
2,4,6-Tribromophenol
Concen: 0.878 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:330 Resp: 2171

Ion	Ratio	Lower	Upper
330	100		
332	113.9	77.0	115.6
141	47.2	29.9	44.9#



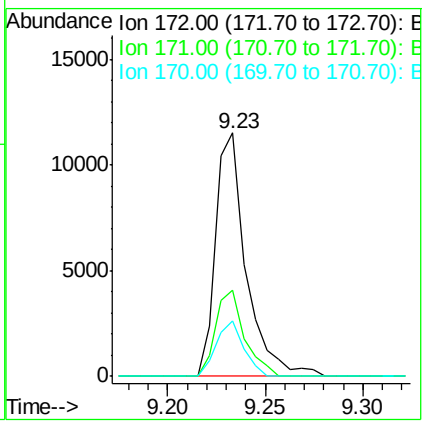


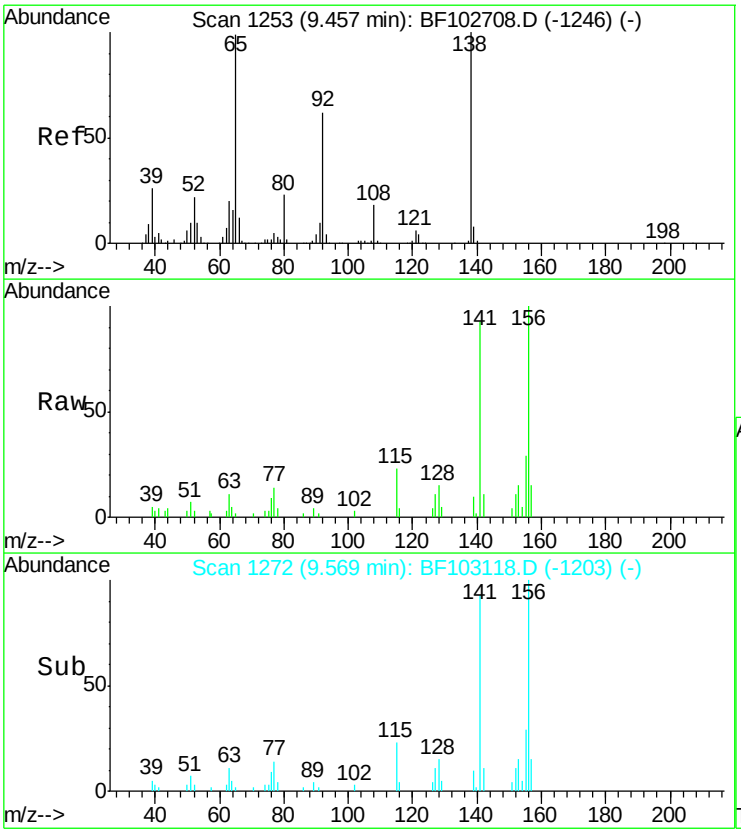
#44
2-Fluorobiphenyl
Concen: 0.676 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 12511

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	22.6	19.6	29.4

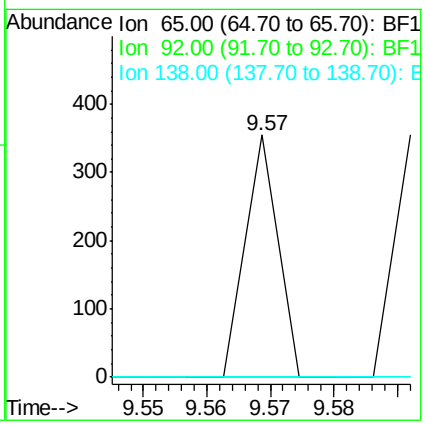


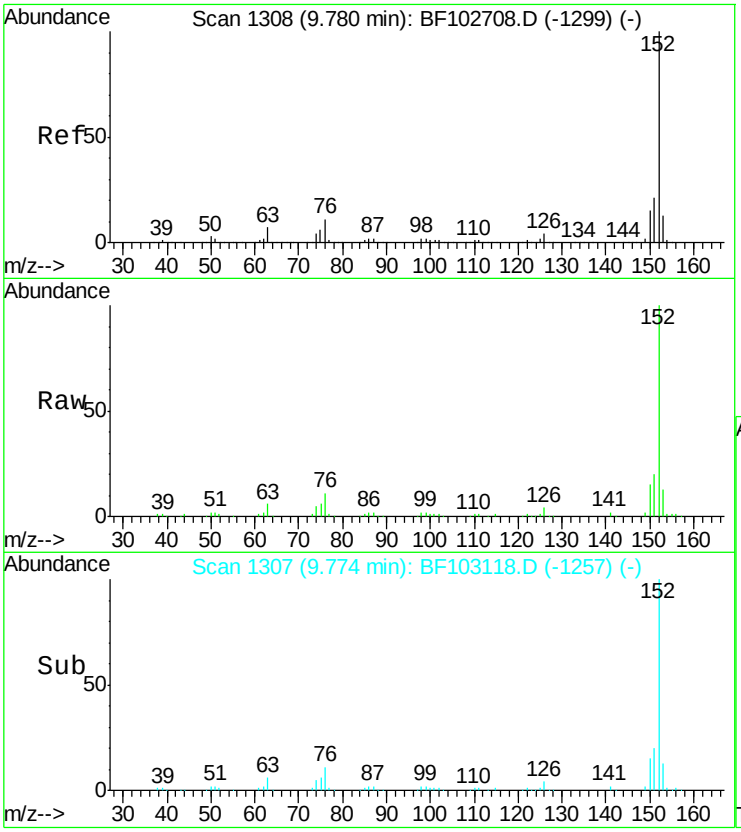


#47
2-Nitroaniline
Concen: 3.491 ng
RT: 9.57 min Scan# 1272
Delta R.T. 0.11 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion: 65 Resp: 125

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



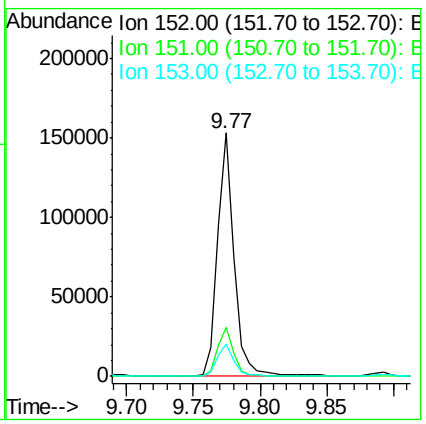


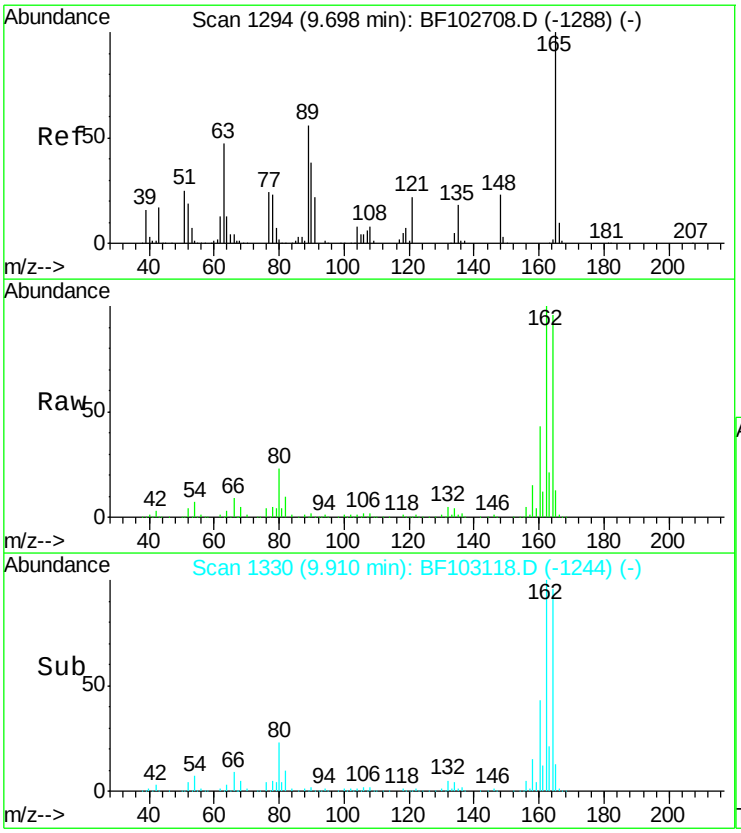
#48
Acenaphthylene
Concen: 4.303 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 136171

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	13.3	10.7	16.1

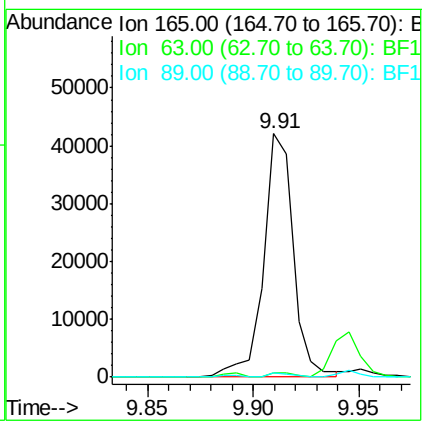


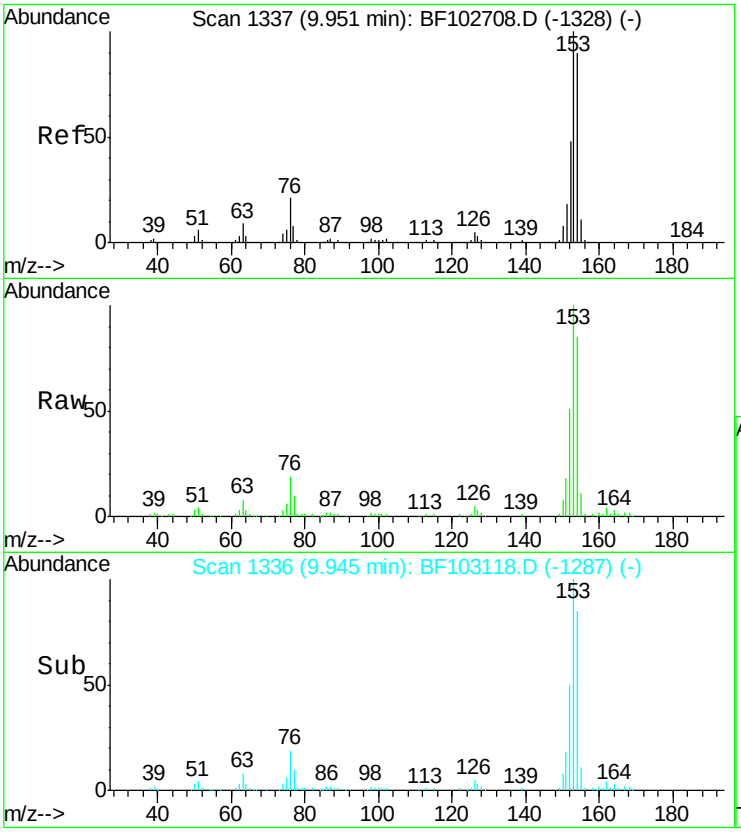


#50
2,6-Dinitrotoluene
Concen: 9.063 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:165 Resp: 41307

Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.6	44.0	66.0#



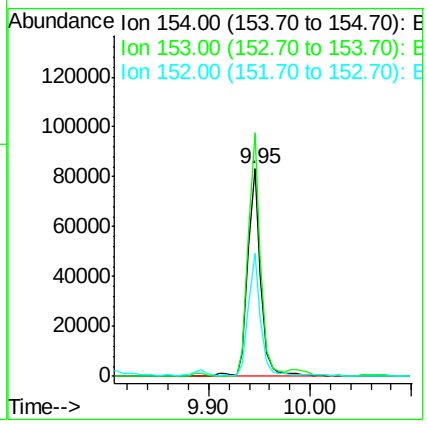


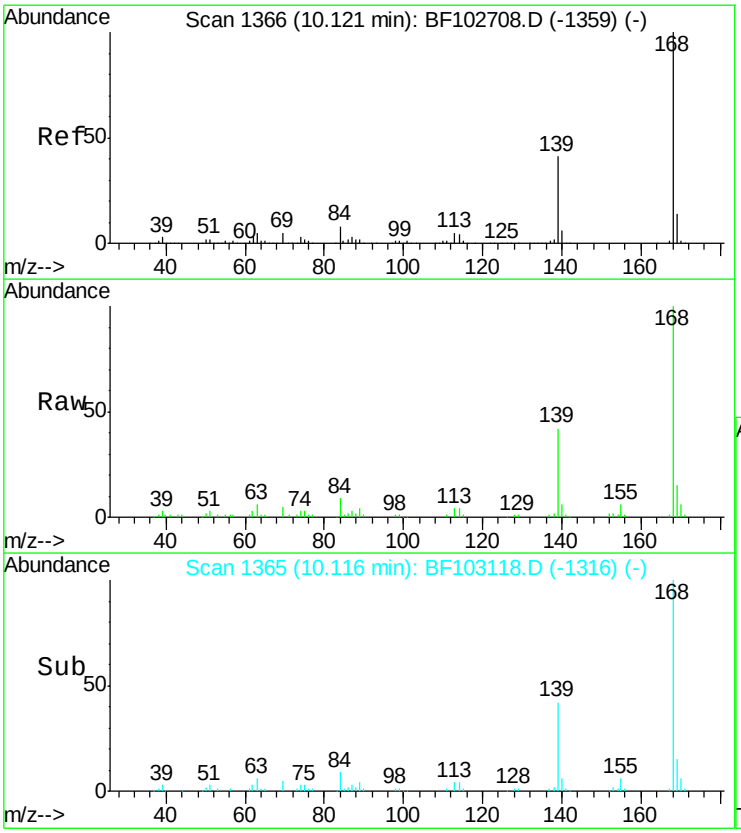
#51
Acenaphthene
Concen: 3.929 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 74354

Ion	Ratio	Lower	Upper
154	100		
153	117.3	91.2	136.8
152	59.5	43.8	65.8

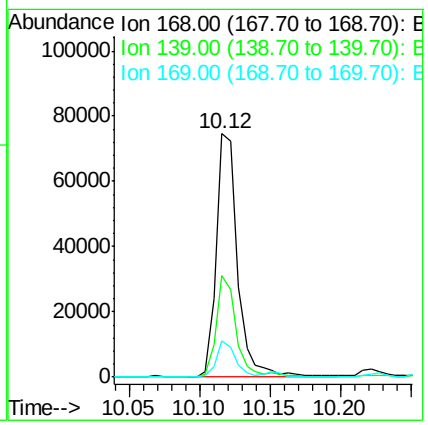


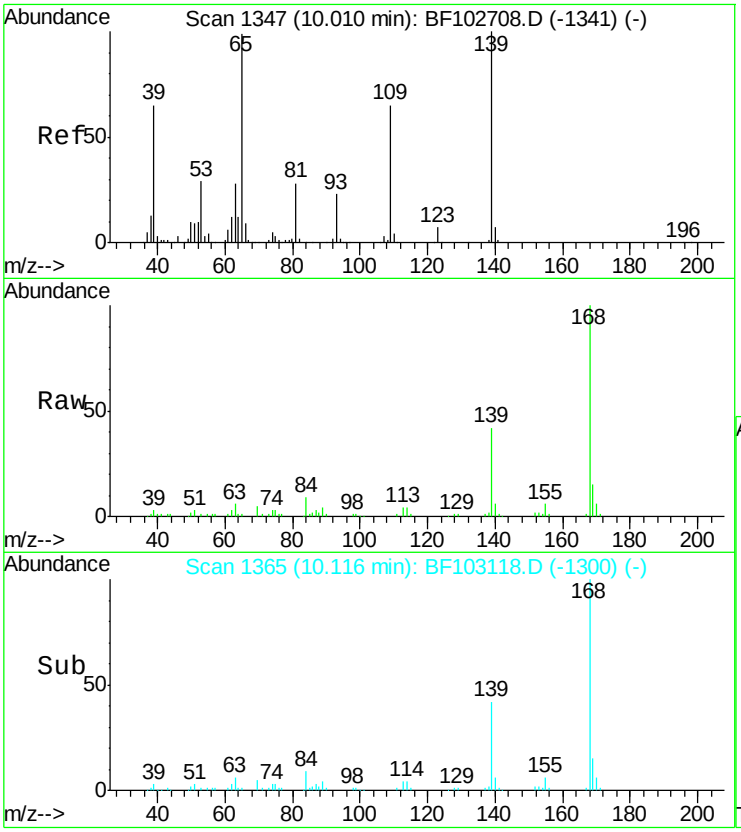


#54
Dibenzofuran
Concen: 2.952 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:168 Resp: 78725

Ion	Ratio	Lower	Upper
168	100		
139	41.9	30.1	45.1
169	15.0	10.9	16.3



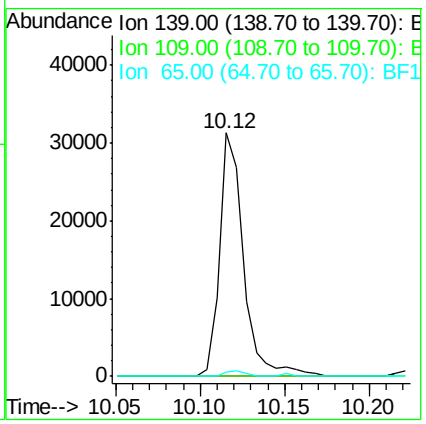


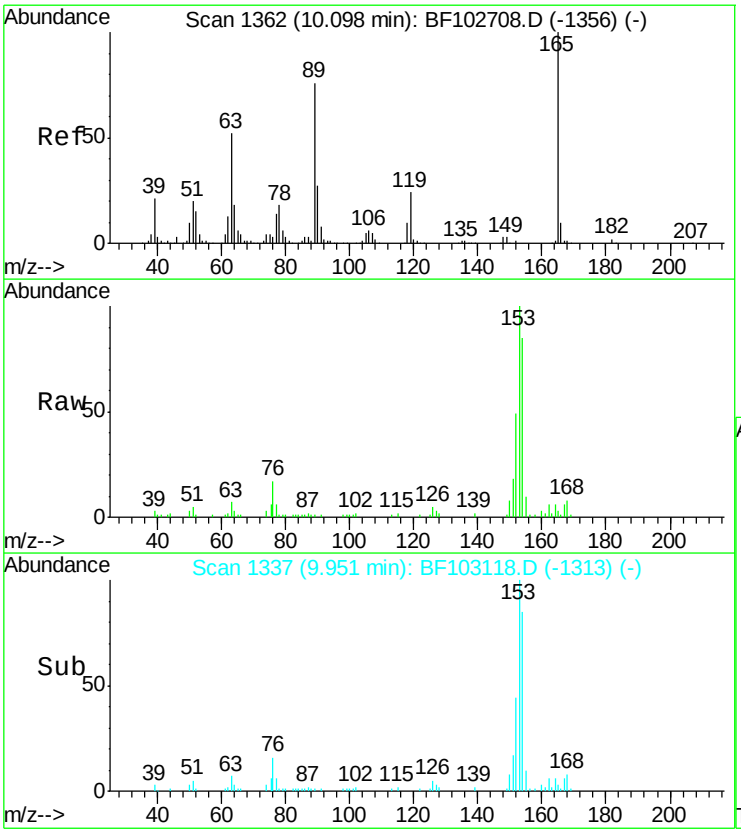
#55
4-Nitrophenol
Concen: 10.383 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.08 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 30857

Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	1.6	72.6	112.6#

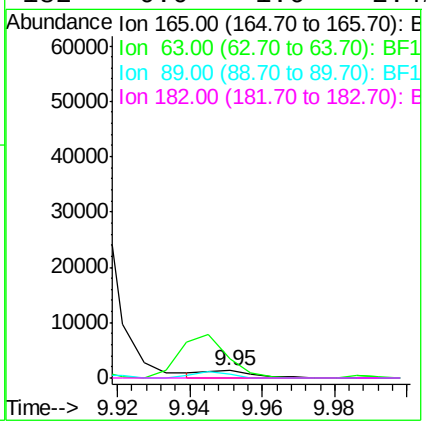


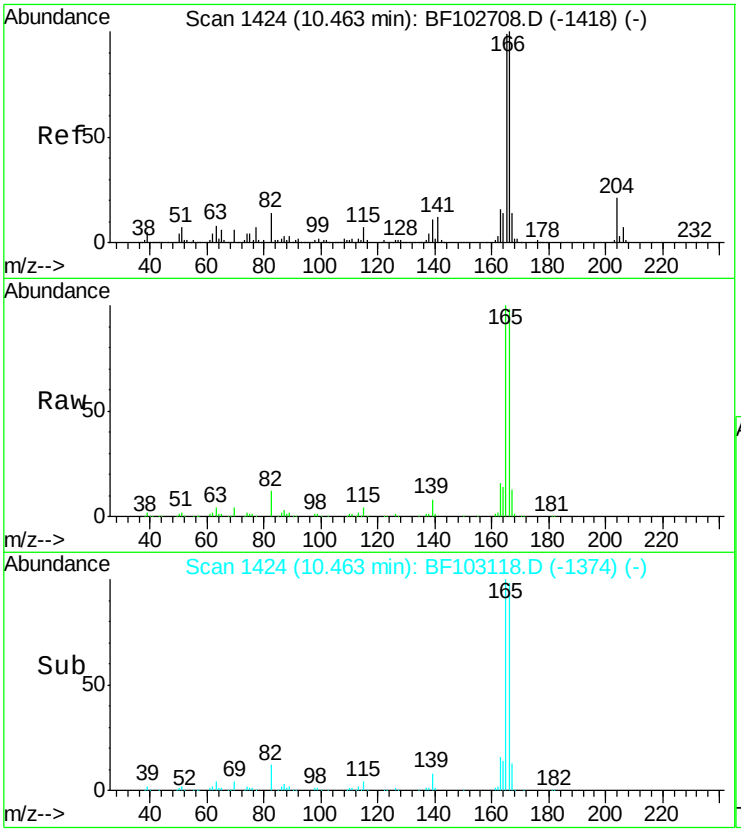


#56
2,4-Dinitrotoluene
Concen: 3.277 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.16 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:165 Resp: 1315

Ion	Ratio	Lower	Upper
165	100		
63	259.3	36.4	54.6#
89	43.7	57.8	86.6#
182	0.0	1.6	2.4#



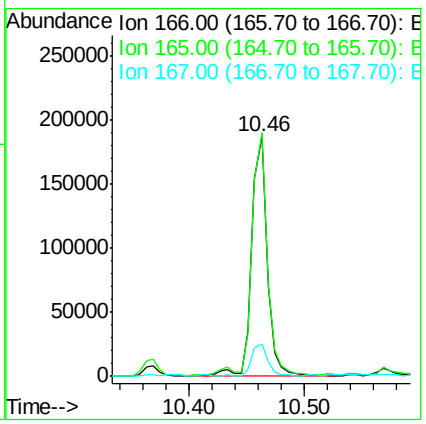


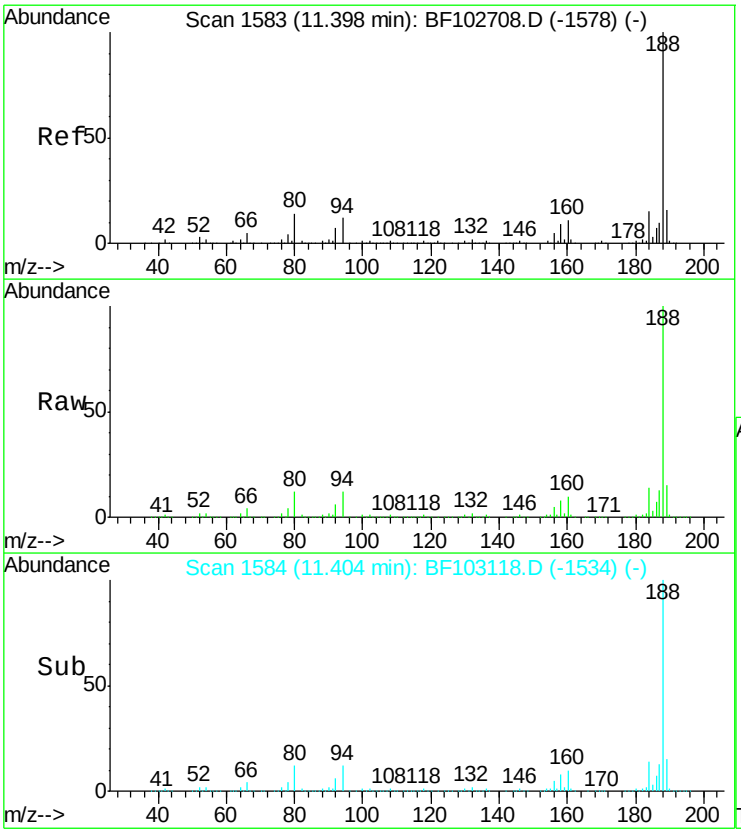
#57
Fluorene
Concen: 9.147 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 177486

Ion	Ratio	Lower	Upper
166	100		
165	101.6	79.8	119.8
167	13.5	10.6	16.0

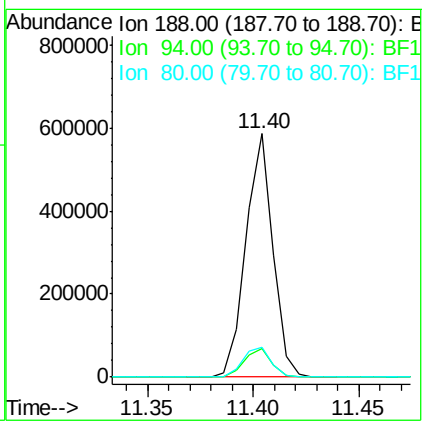


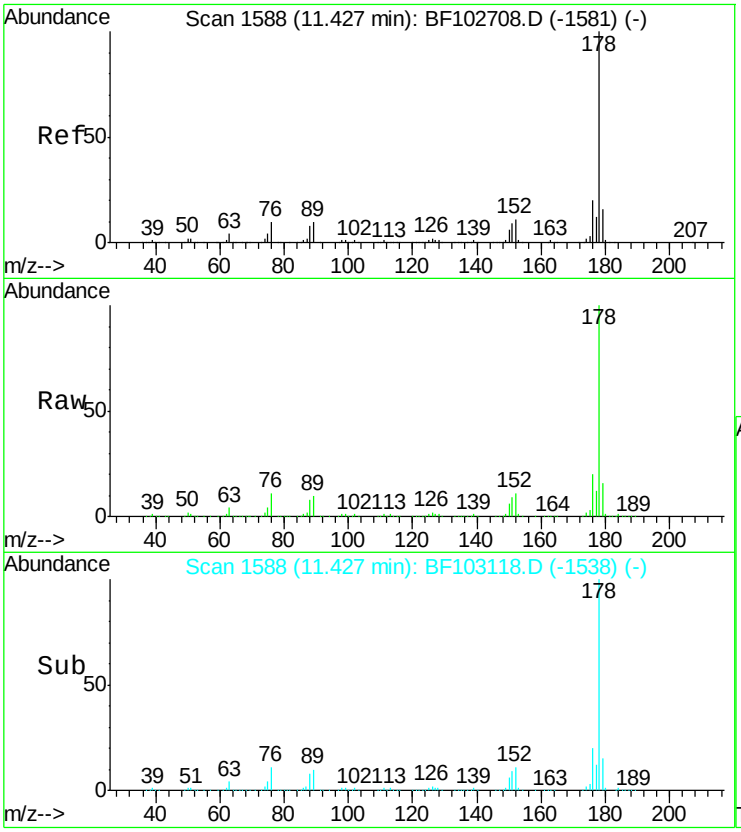


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:188 Resp: 521430

Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.5	9.2	13.8



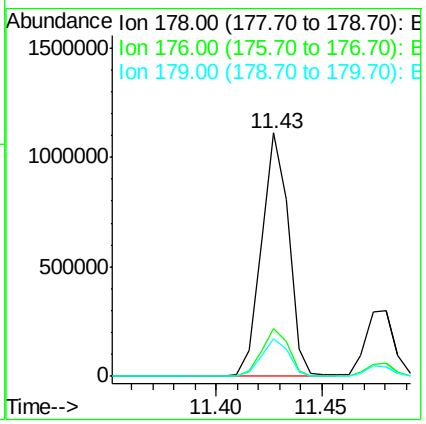


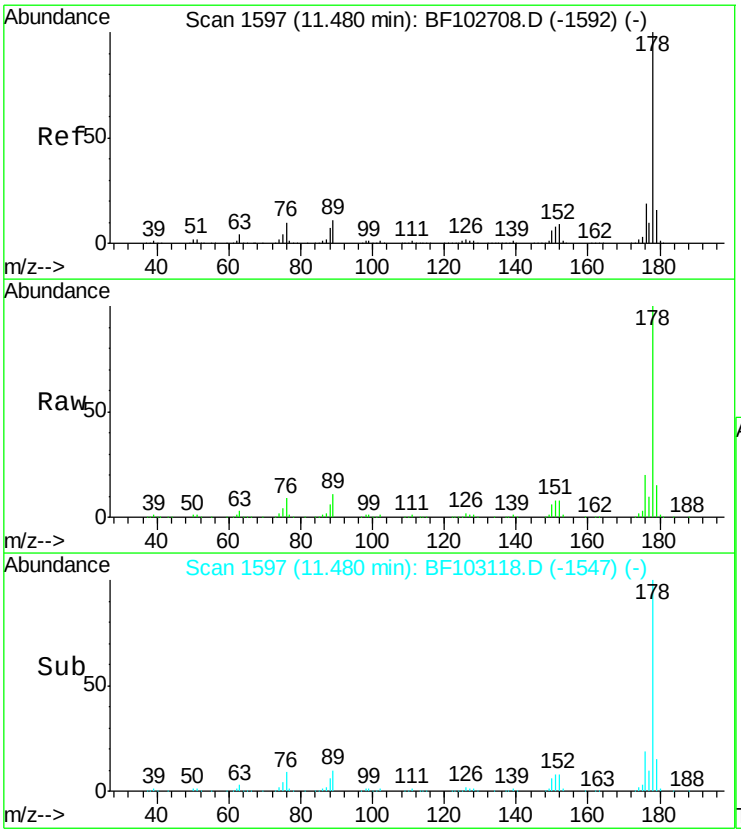
#70
Phenanthrene
Concen: 34.318 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 996599

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

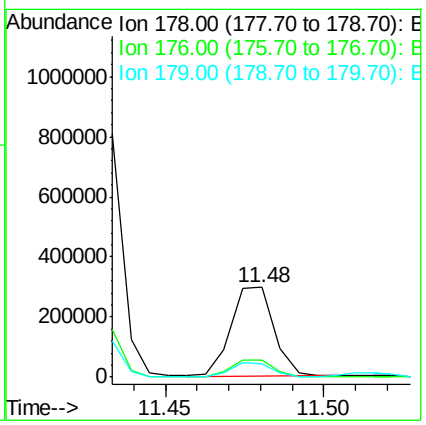


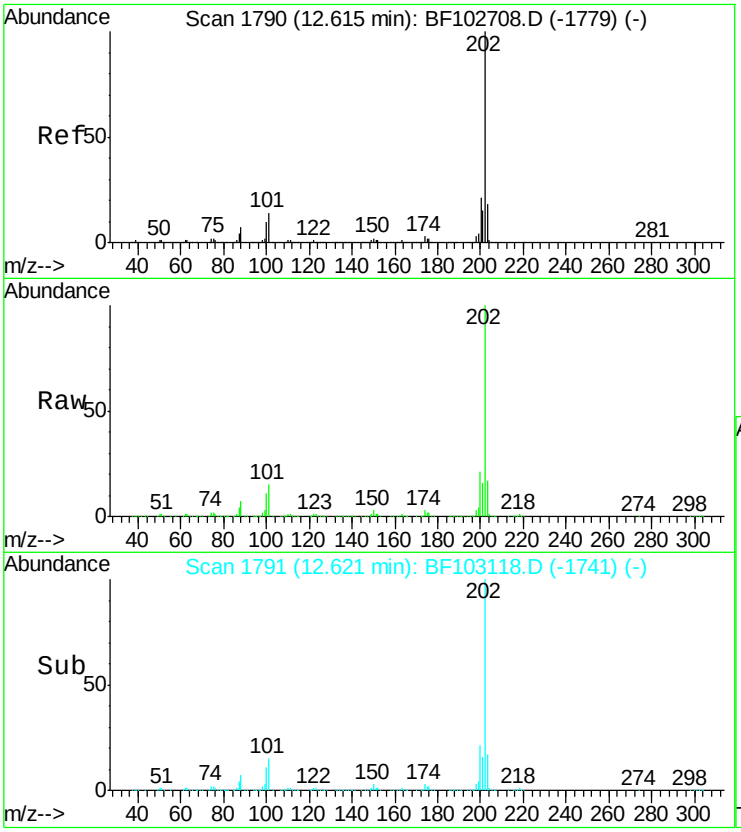


#71
Anthracene
Concen: 9.432 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:178 Resp: 278597

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.2	12.6	19.0



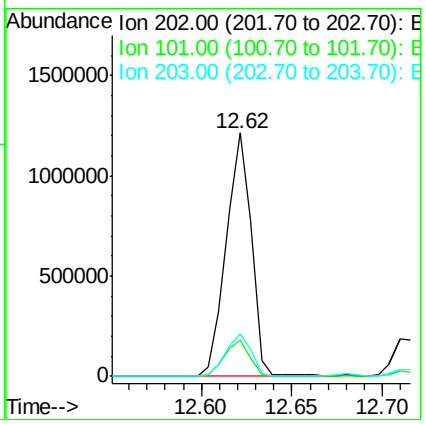


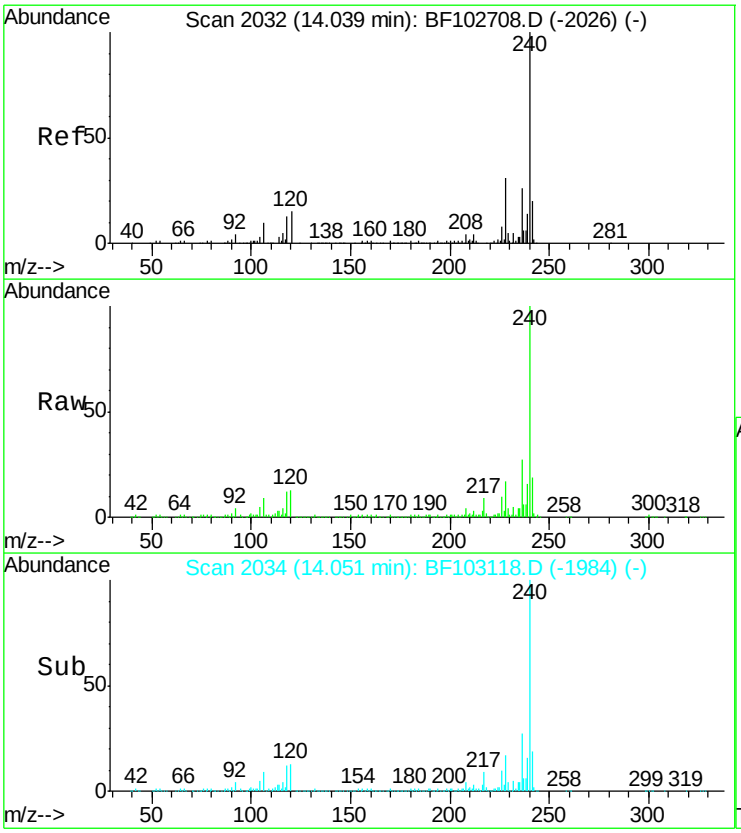
#74
Fluoranthene
Concen: 40.187 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1174190

Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	34.1
203	17.4	0.0	38.1

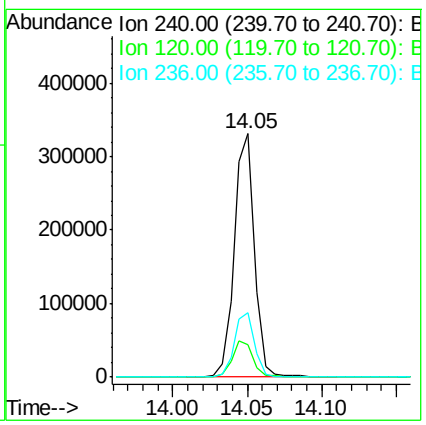


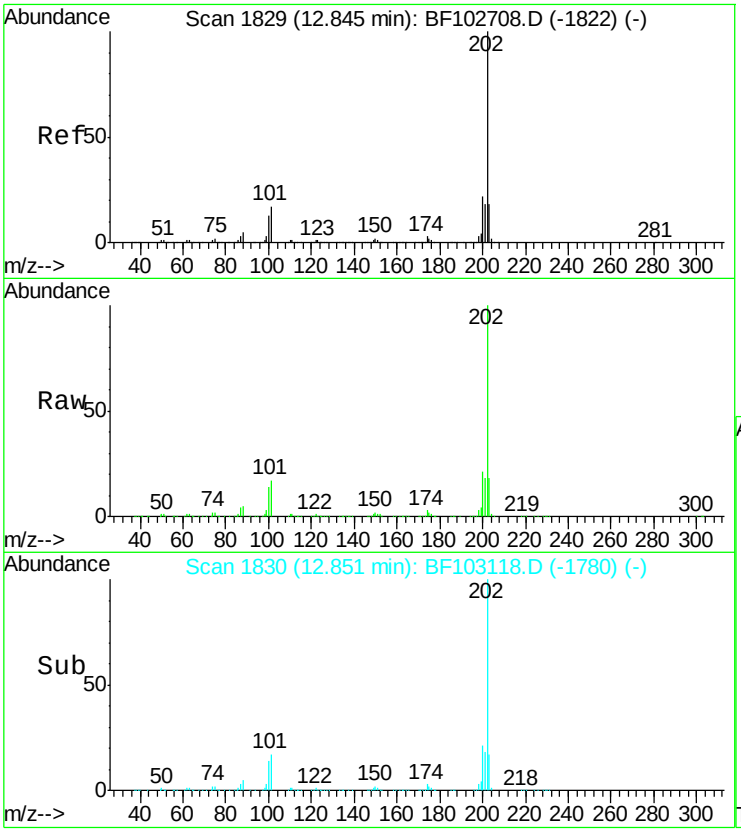


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:240 Resp: 315120

Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.5	14.3
236	26.6	20.7	31.1



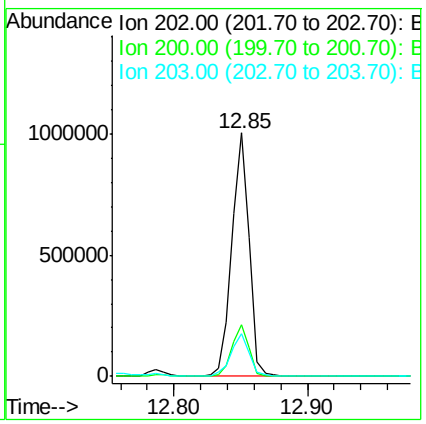


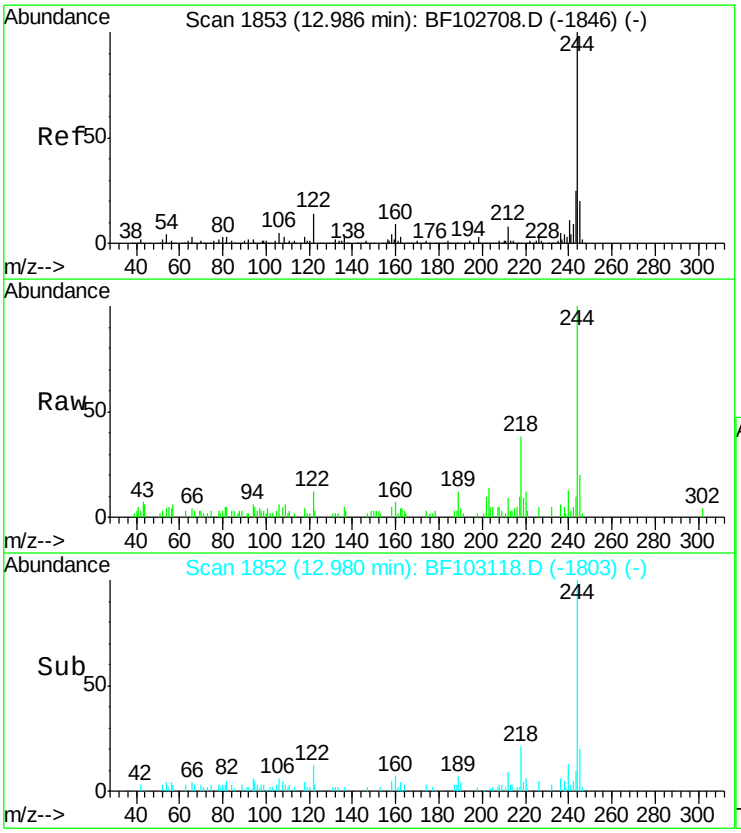
#77
Pyrene
Concen: 36.909 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 912036

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.7	14.3	21.5

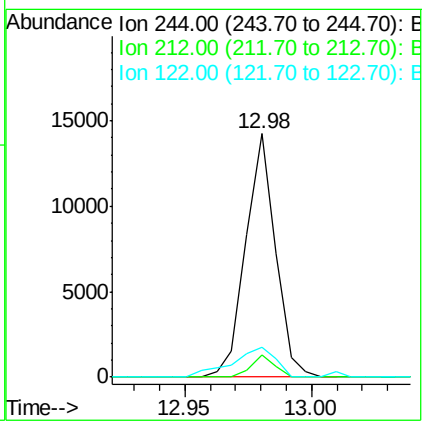


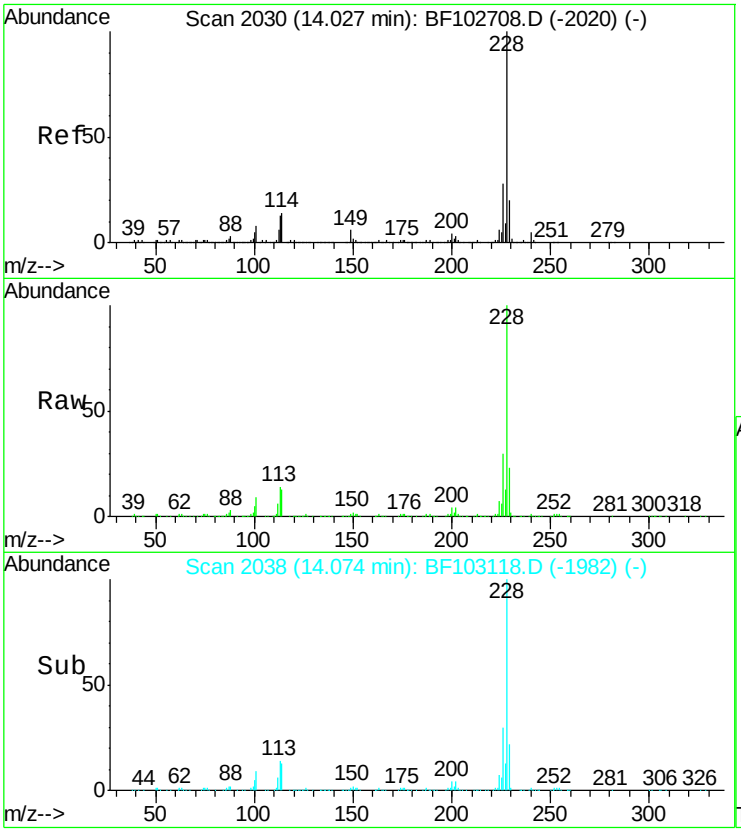


#78
Terphenyl-d14
Concen: 0.877 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:244 Resp: 11675

Ion	Ratio	Lower	Upper
244	100		
212	9.0	5.4	8.0#
122	12.3	11.0	16.4



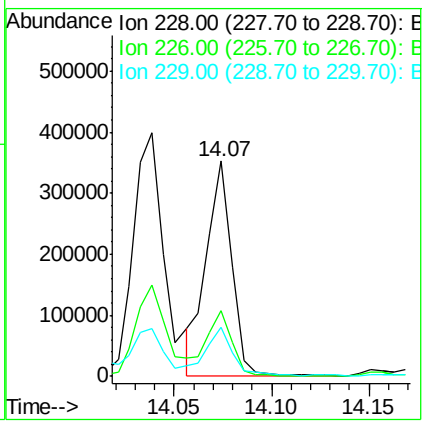


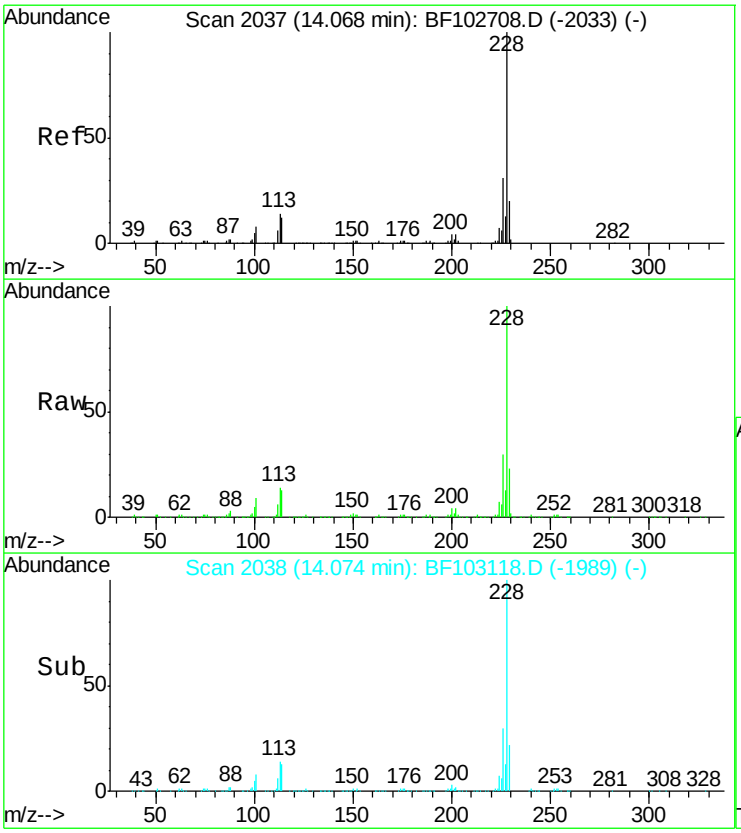
#80
Benzo(a)anthracene
Concen: 16.014 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.03 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 317359

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	22.9	15.8	23.6

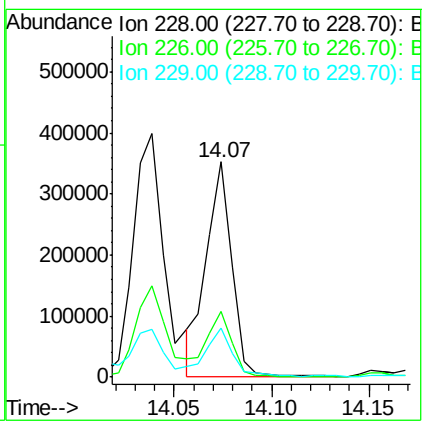


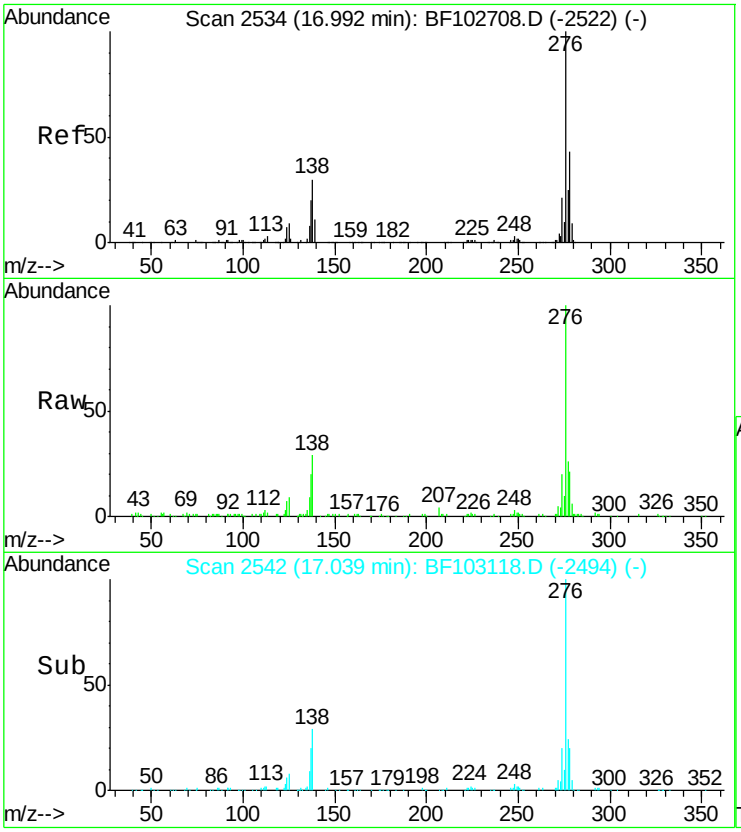


#82
Chrysene
Concen: 15.883 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:228 Resp: 317313

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.9	16.2	24.4



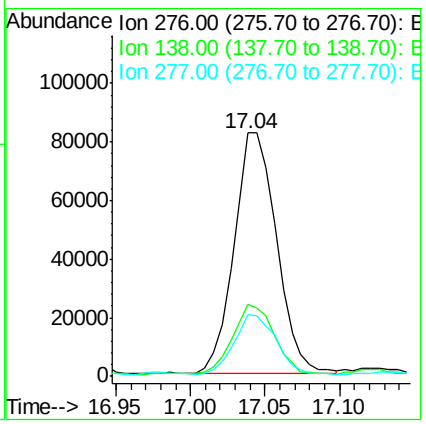


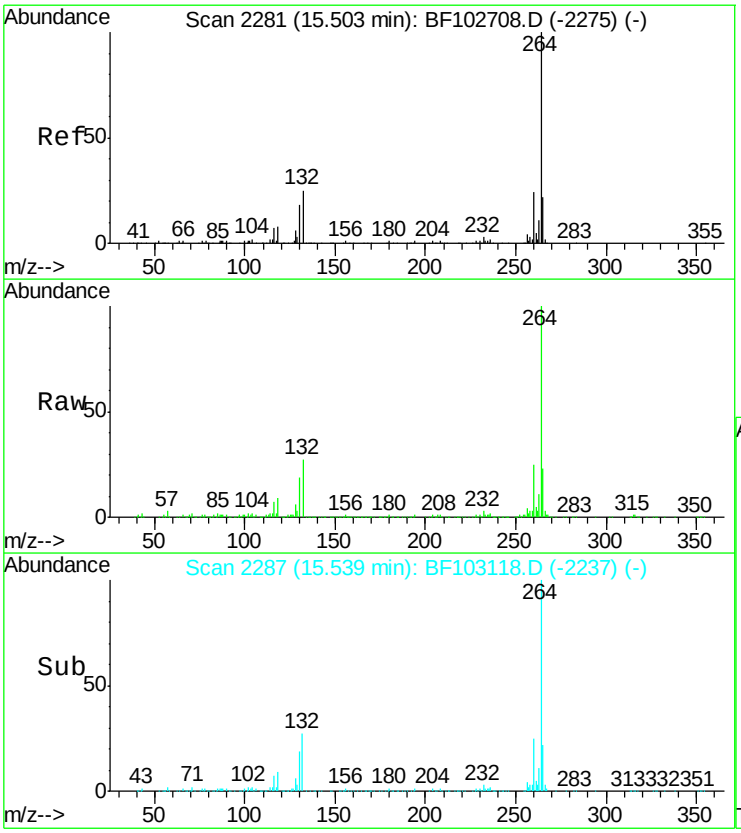
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.833 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.02 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 162917

Ion	Ratio	Lower	Upper
276	100		
138	28.4	25.0	37.6
277	24.2	20.1	30.1

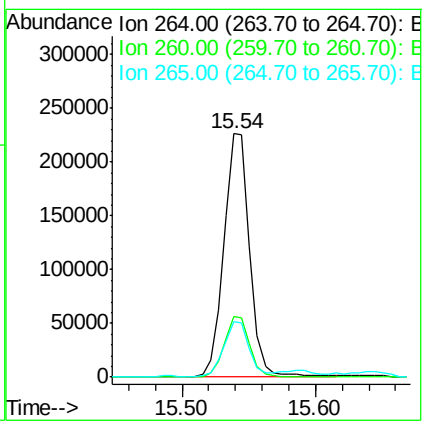


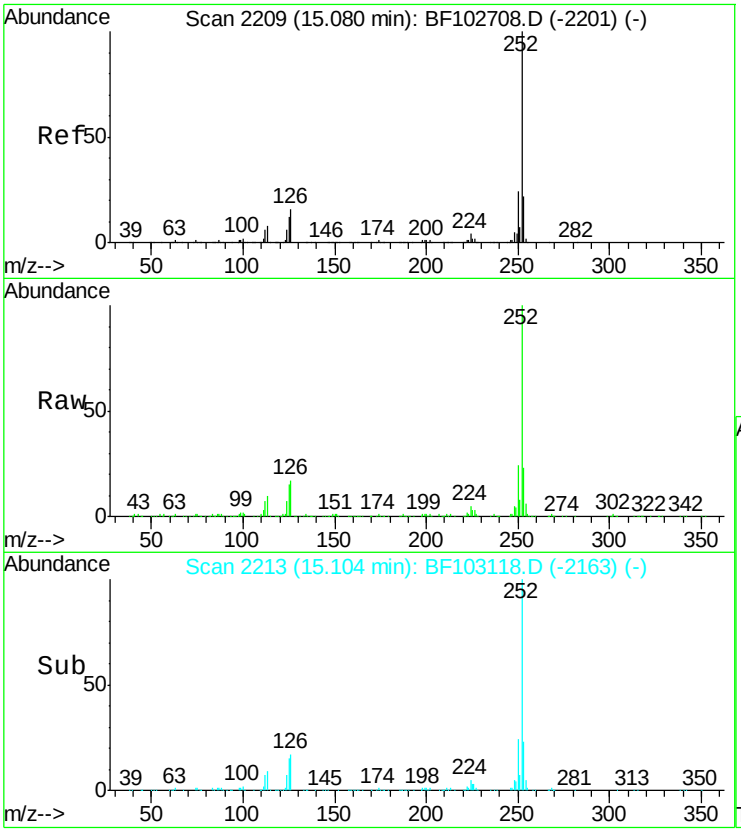


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:264 Resp: 304721

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.6	17.5	26.3



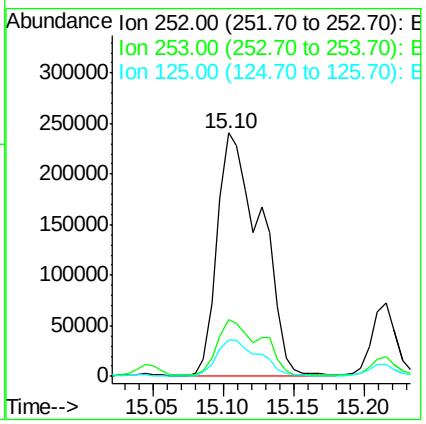


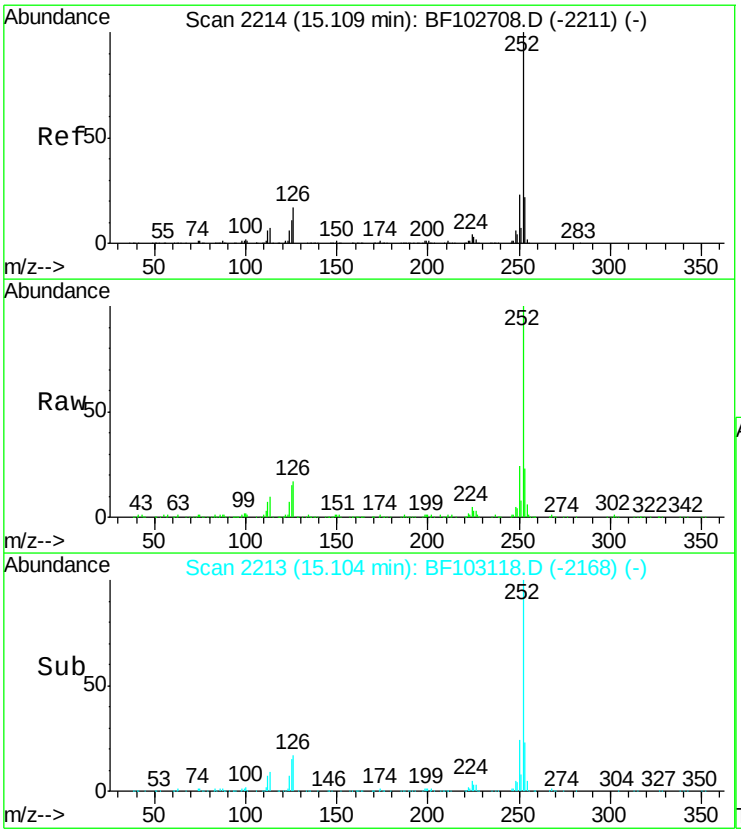
#87
Benzo(b)fluoranthene
Concen: 26.253 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 518649

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	15.0	9.0	13.6#

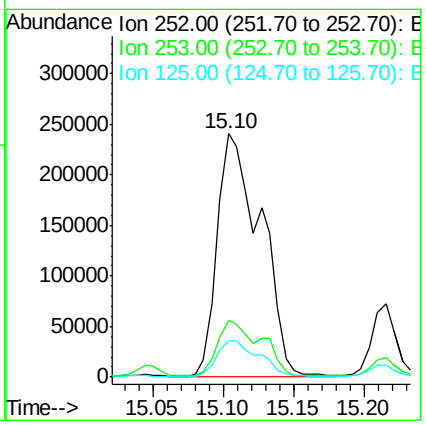


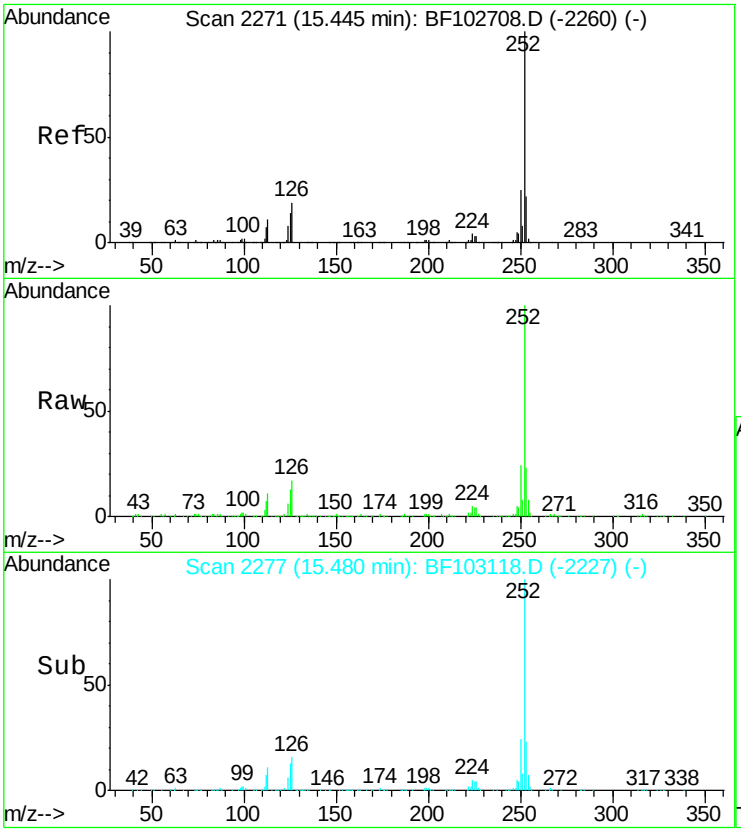


#88
Benzo(k)fluoranthene
Concen: 27.475 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:252 Resp: 518649

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	15.0	10.2	15.2



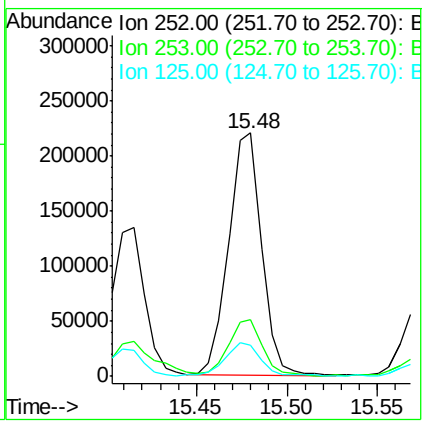


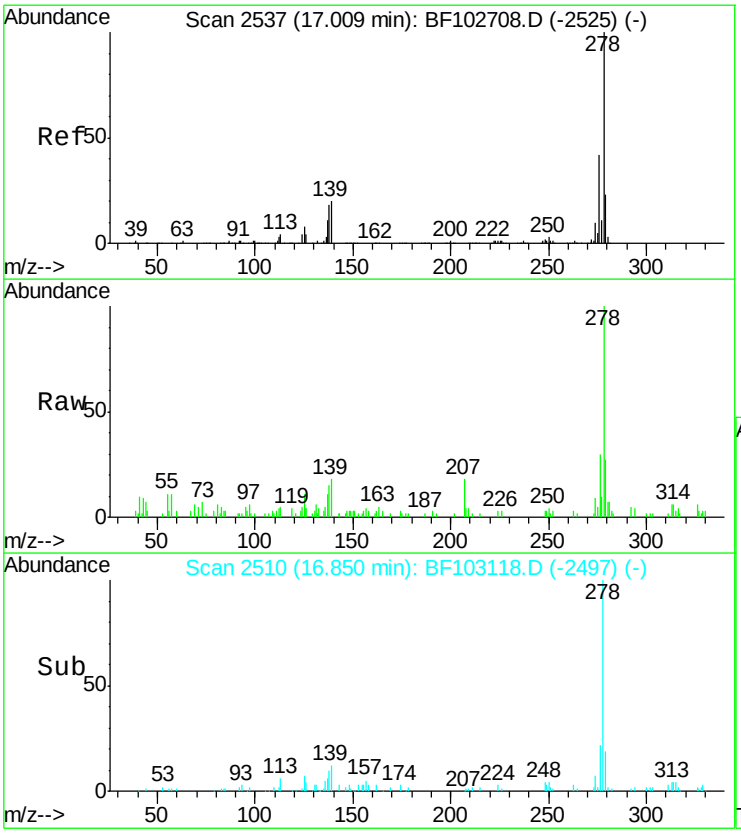
#89
Benzo(a)pyrene
Concen: 15.735 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 279823

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	12.9	9.8	14.6

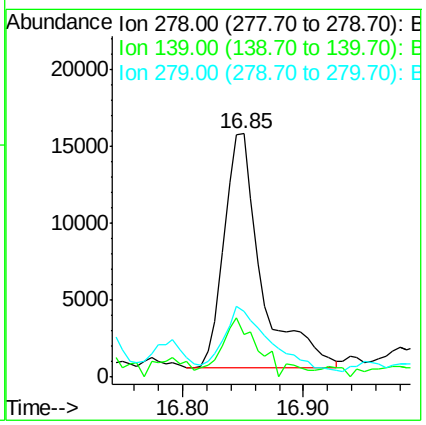


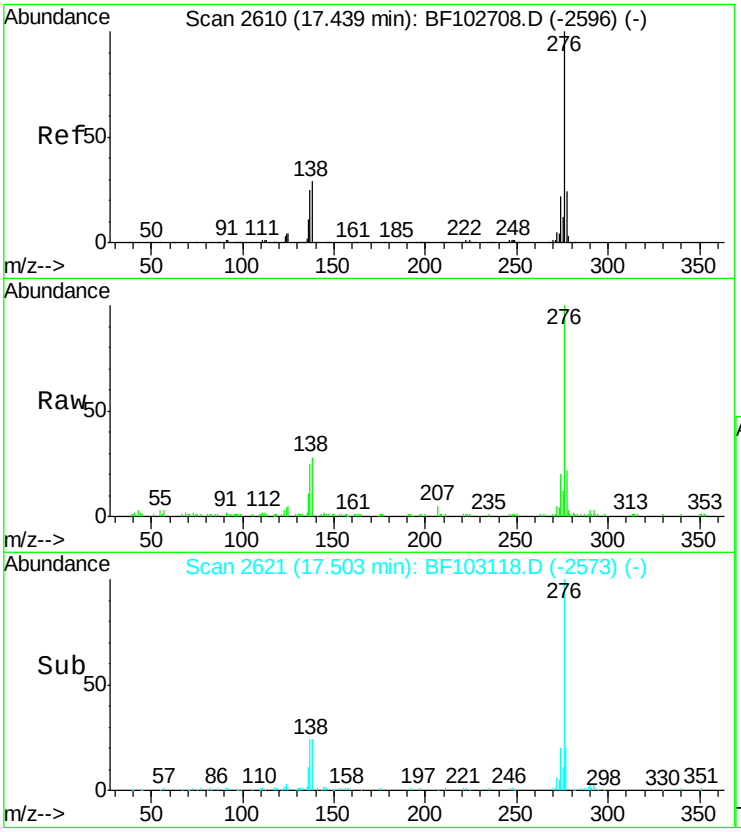


#90
Dibenzo(a,h)anthracene
Concen: 2.266 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.22 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Tgt Ion:278 Resp: 32704

Ion	Ratio	Lower	Upper
278	100		
139	17.7	15.9	23.9
279	27.1	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 10.014 ng
RT: 17.50 min Scan# 2621
Delta R.T. -0.02 min
Lab File: BF103118.D
Acq: 20 Feb 2018 11:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 141476

Ion	Ratio	Lower	Upper
276	100		
277	22.3	17.9	26.9
138	28.1	21.8	32.8