Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022018\
Data File : BF103115.D
Acq On : 20 Feb 2018 10:34
Operator : SJ/JU
Sample : J1600-02DL 40X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Feb 20 13:16:41 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	148740	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	650172	20.00	ng		0.00
38) Acenaphthene-d10	9.91	164	299635	20.00	ng		-0.01
63) Phenanthrene-d10	11.40	188	510121	20.00	ng		0.00
75) Chrysene-d12	14.05	240	297274	20.00	ng		0.00
86) Perylene-d12	15.54	264	303394	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	14725	1.50	ng		0.00
7) Phenol-d6	6.50	99	25245	2.14	ng		0.00
23) Nitrobenzene-d5	7.44	82	15069	1.61	ng		0.00
41) 2,4,6-Tribromophenol	10.70	330	6467	2.68	ng		0.00
44) 2-Fluorobiphenyl	9.23	172	36690	2.03	ng		-0.01
78) Terphenyl-d14	12.98	244	36347	2.90	ng		-0.01
Target Compounds							Qvalue
24) Nitrobenzene	7.45	77	107	Below Cal		#	38
31) Naphthalene	8.18	128	203143	6.395	ng		98
32) Benzoic acid	7.96	122	333	8.593	ng		84
37) 2-Methylnaphthalene	8.87	142	41905	2.015	ng		99
47) 2-Nitroaniline	9.44	65	234	3.508	ng	#	2
48) Acenaphthylene	9.77	152	361085	11.701	ng		100
50) 2,6-Dinitrotoluene	9.91	165	39320	8.846	ng	#	25
54) Dibenzofuran	10.12	168	56379	2.168	ng		95
55) 4-Nitrophenol	10.12	139	22055	8.684	ng	#	12
56) 2,4-Dinitrotoluene	10.22	165	3516	3.628	ng	#	43
57) Fluorene	10.46	166	83948	4.436	ng		98
70) Phenanthrene	11.43	178	651691	22.938	ng		99
71) Anthracene	11.48	178	241511	8.358	ng		98
74) Fluoranthene	12.62	202	1197521	41.894	ng		99
77) Pyrene	12.86	202	1192786	51.169	ng		99
80) Benzo(a)anthracene	14.07	228	530311	28.365	ng		96
82) Chrysene	14.07	228	530311	28.139	ng		98
85) Indeno(1,2,3-cd)pyrene	17.06	276	428389	27.407	ng		95
87) Benzo(b)fluoranthene	15.11	252	986557	50.155	ng	#	94
88) Benzo(k)fluoranthene	15.11	252	986557	52.491	ng		97
89) Benzo(a)pyrene	15.49	252	587812	33.199	ng		95
90) Dibenzo(a,h)anthracene	17.23	278	100588	6.999	ng		97
91) Benzo(g,h,i)perylene	17.52	276	437896	31.131	ng		97

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

Quantitation Report (Not Reviewed)

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Data File : BF103115.D
Acq On : 20 Feb 2018 10:34
Operator : SJ/JU
Sample : J1600-02DL 40X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 20 13:16:41 2018
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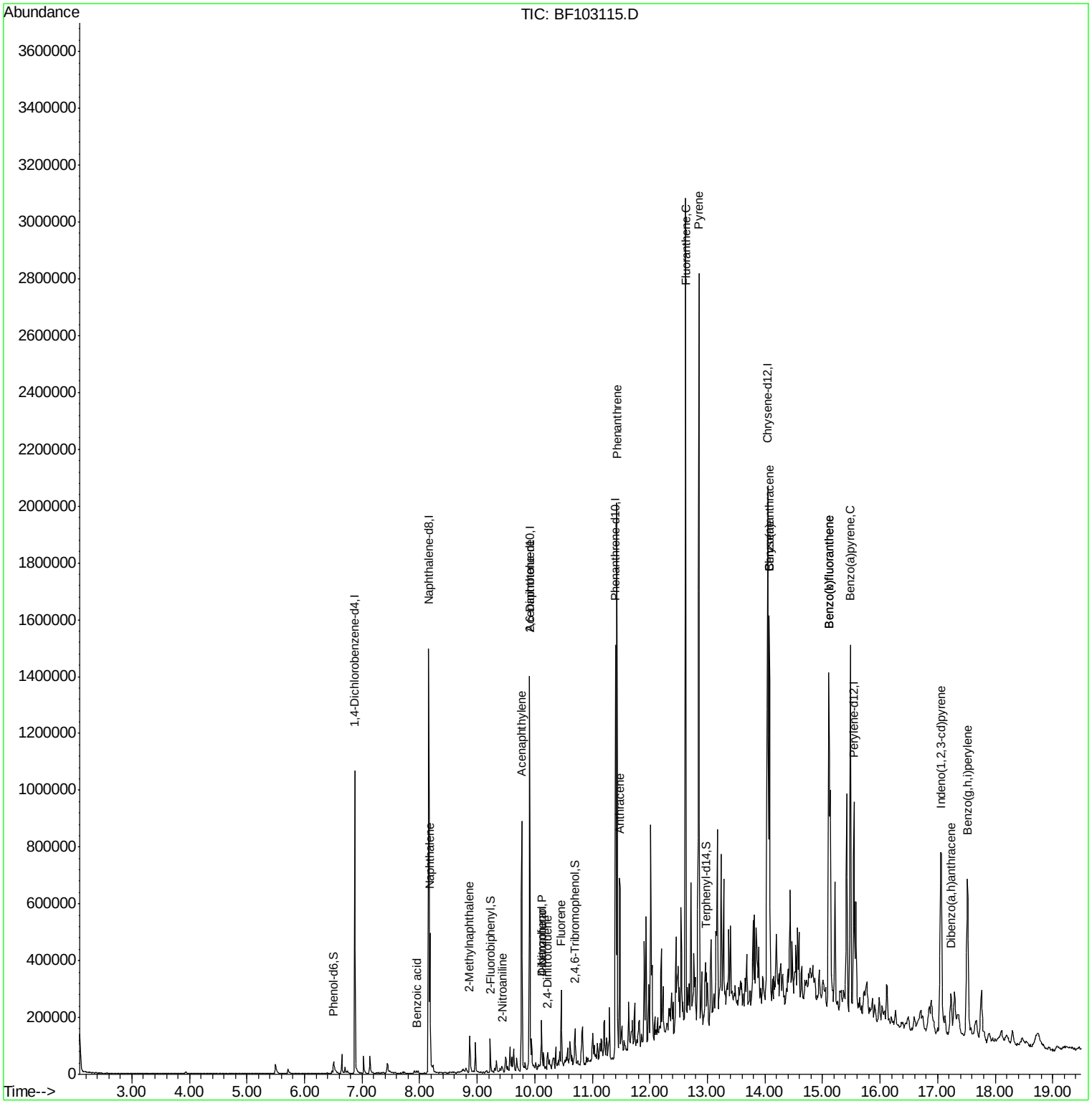
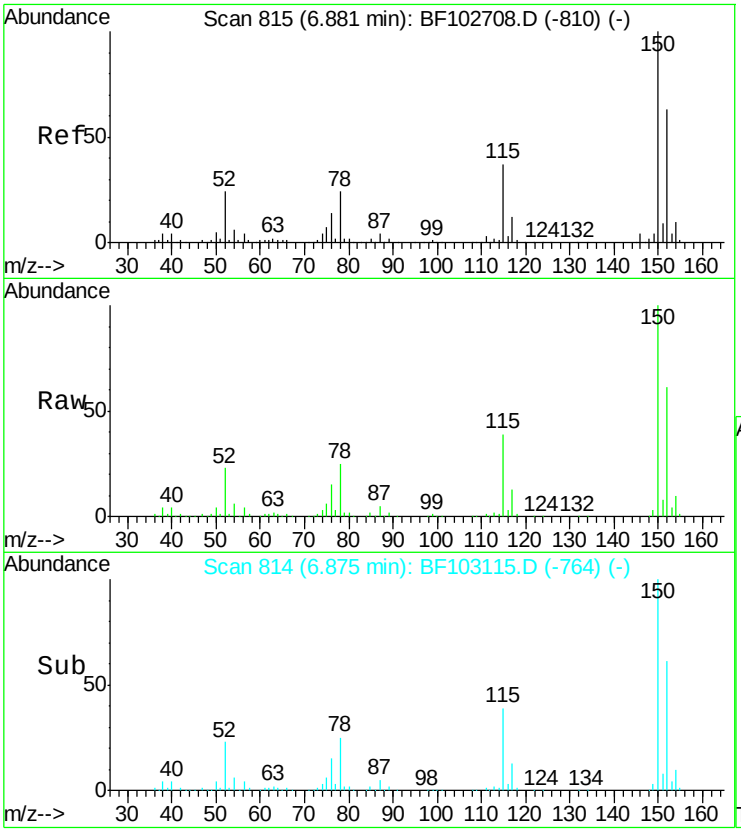


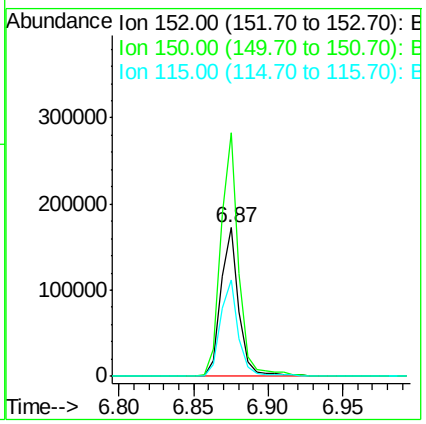


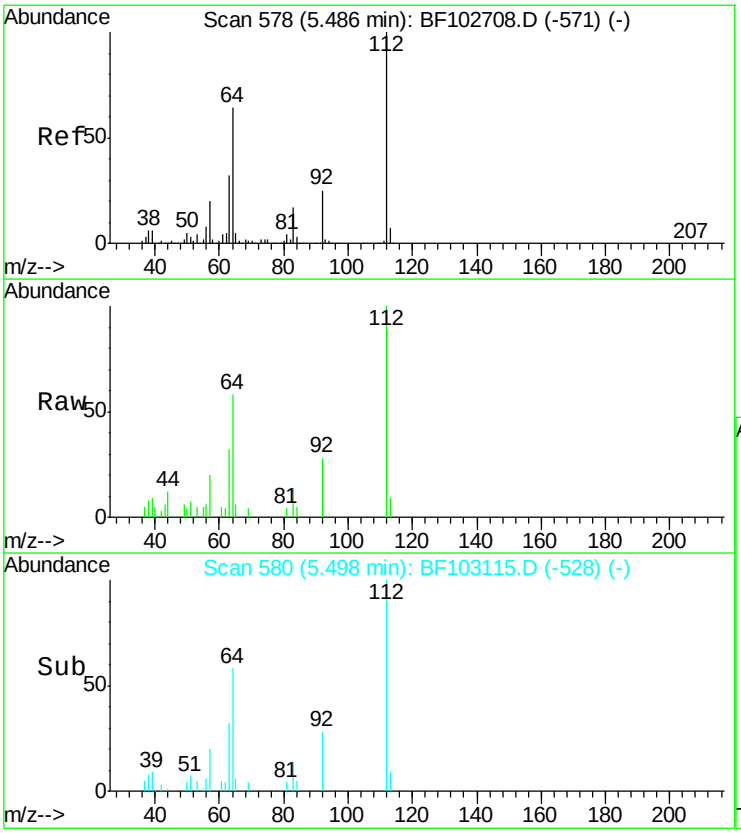
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 148740

Ion	Ratio	Lower	Upper
152	100		
150	163.6	124.6	186.8
115	64.6	50.1	75.1

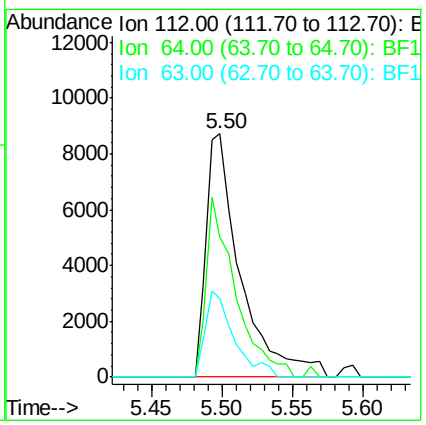


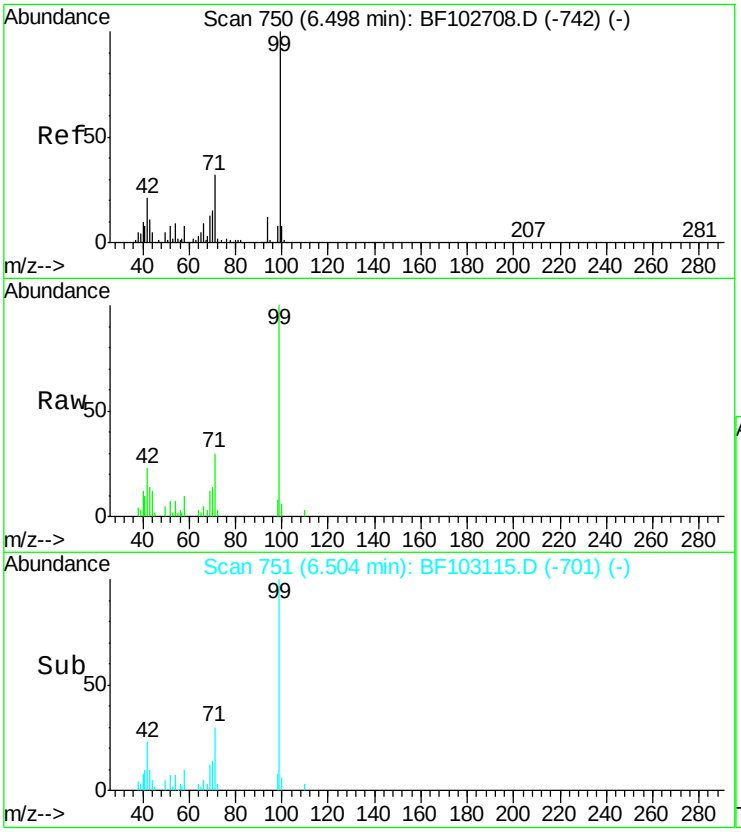


#5
2-Fluorophenol
Concen: 1.503 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:112 Resp: 14725

Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.9	71.9
63	32.1	23.7	35.5



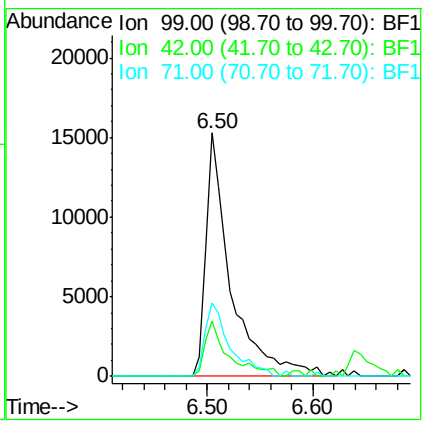


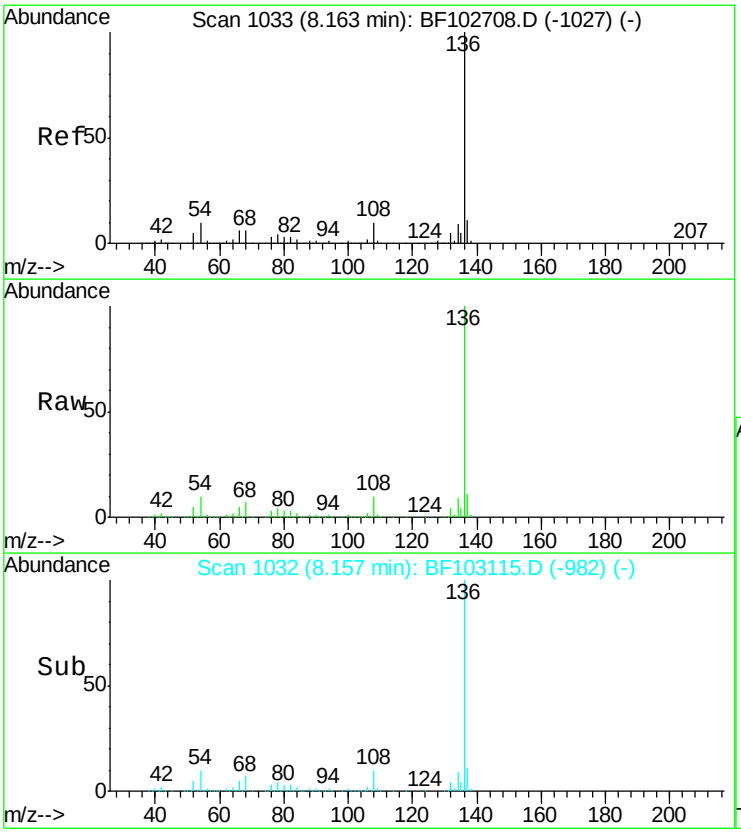
#7
Phenol-d6
Concen: 2.141 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 25245

Ion	Ratio	Lower	Upper
99	100		
42	22.7	14.5	21.7#
71	30.1	25.4	38.0

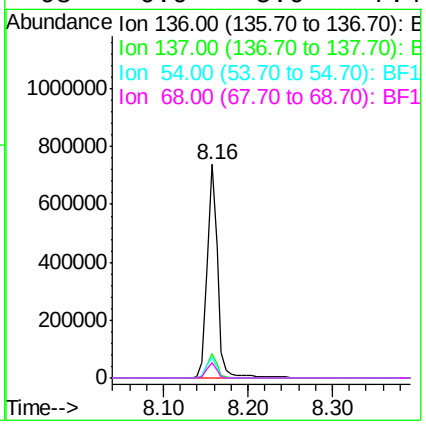


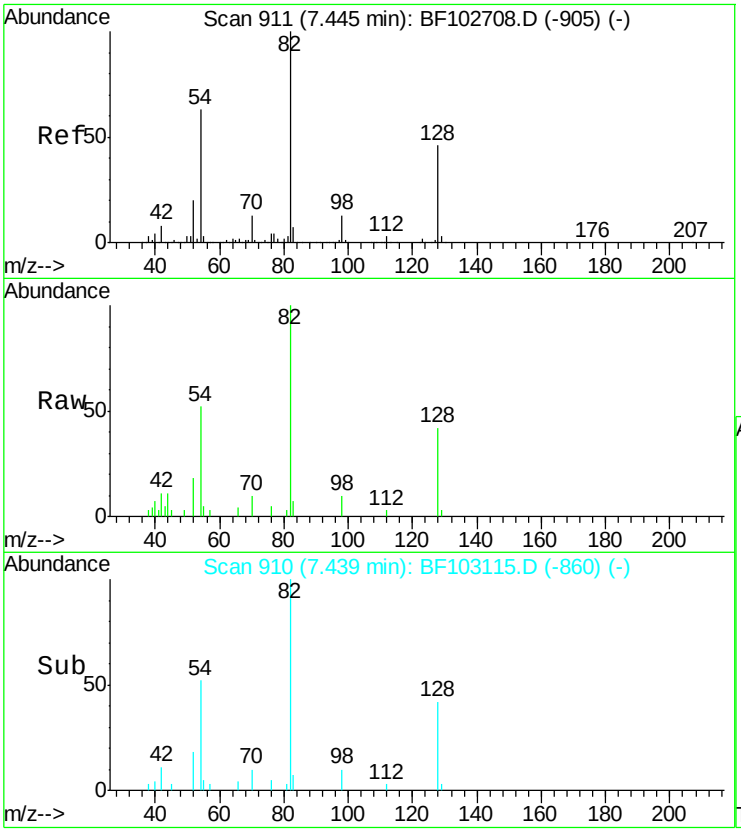


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:136 Resp: 650172

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.8	6.6	9.8
68	6.9	5.0	7.4



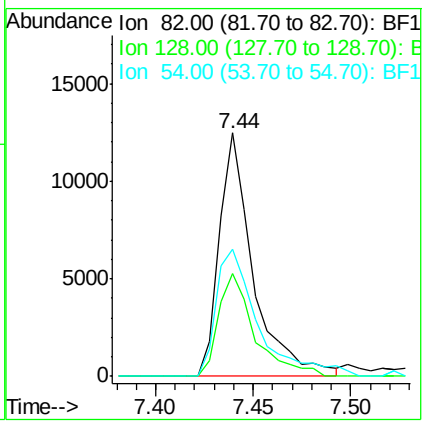


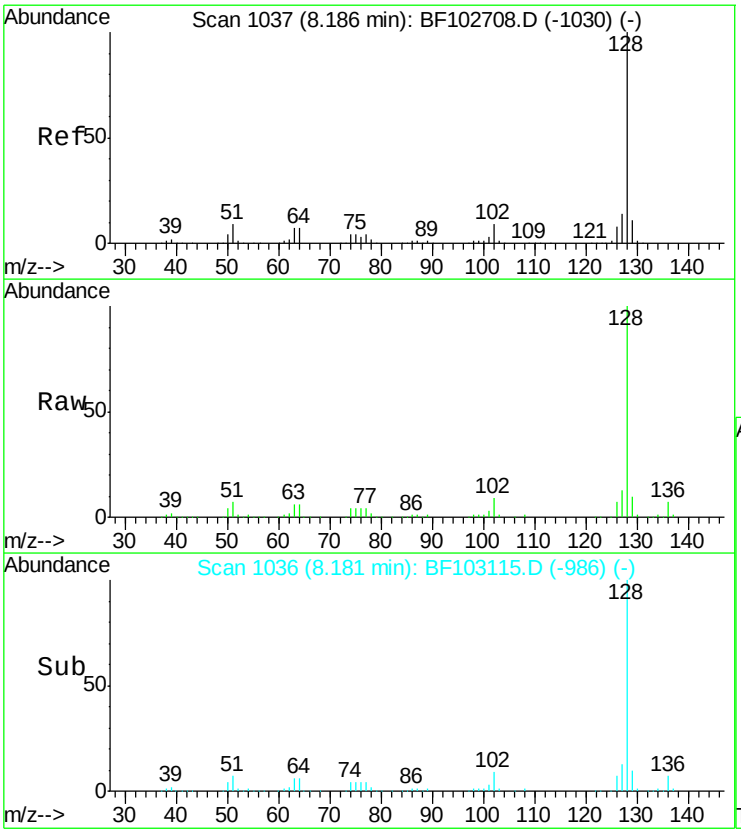
#23
Nitrobenzene-d5
Concen: 1.608 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 15069

Ion	Ratio	Lower	Upper
82	100		
128	42.1	36.1	54.1
54	52.0	41.4	62.2

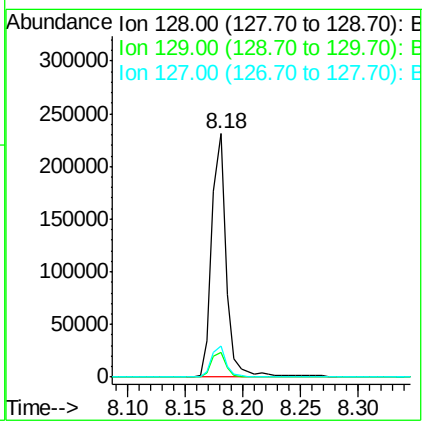


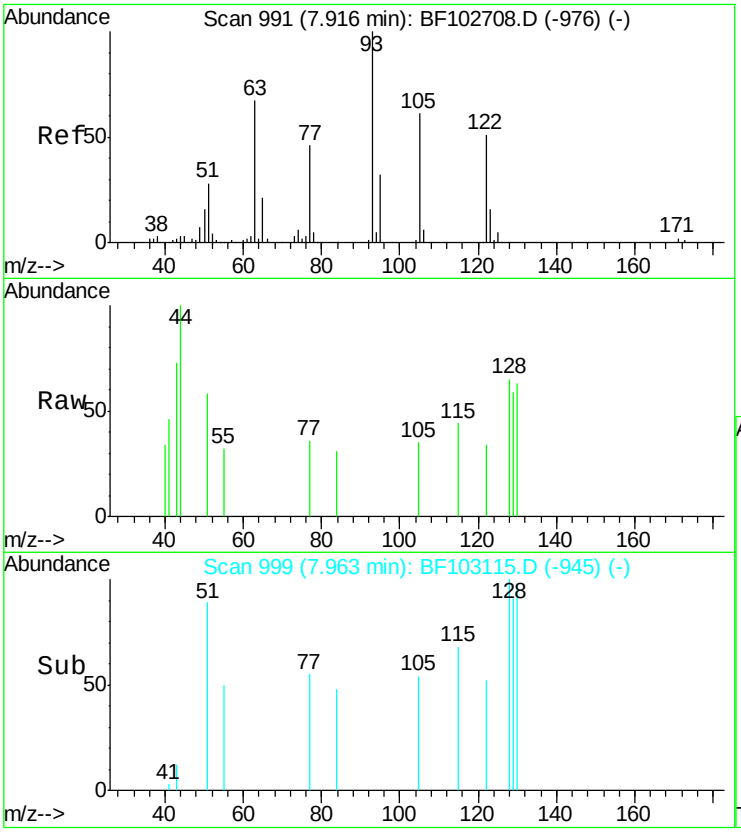


#31
Naphthalene
Concen: 6.395 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:128 Resp: 203143

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	12.8	10.9	16.3



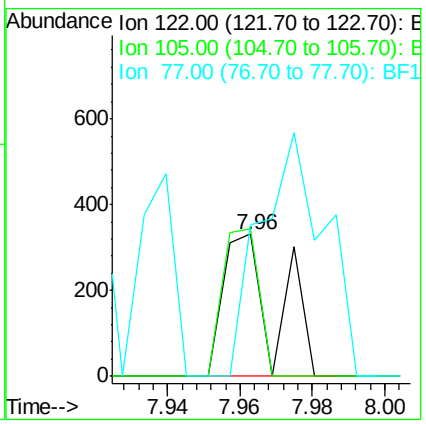


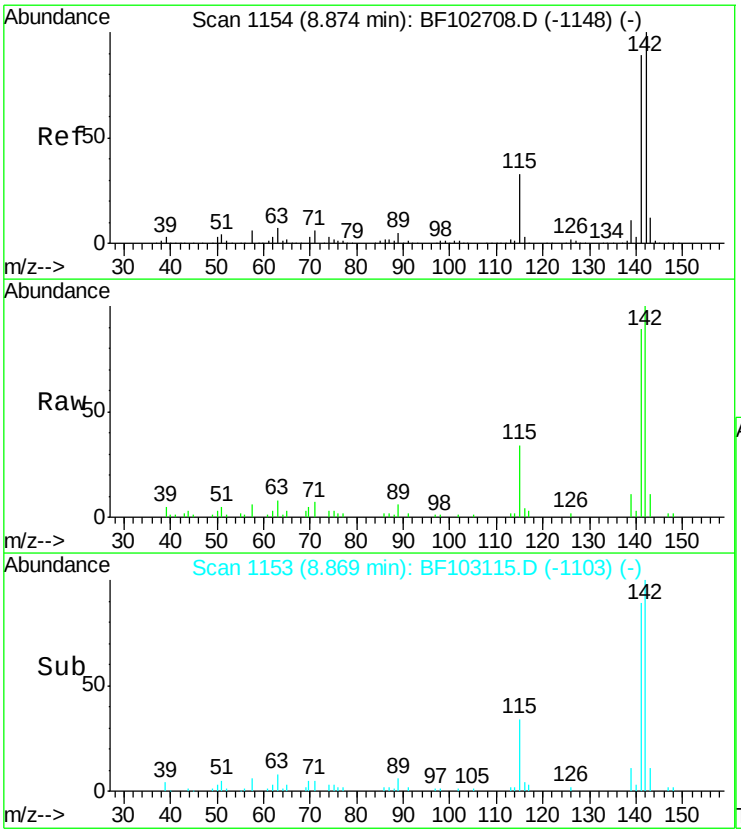
#32
Benzoic acid
Concen: 8.593 ng
RT: 7.96 min Scan# 999
Delta R.T. 0.02 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 333

Ion	Ratio	Lower	Upper
122	100		
105	103.9	101.1	141.1
77	106.6	70.7	110.7

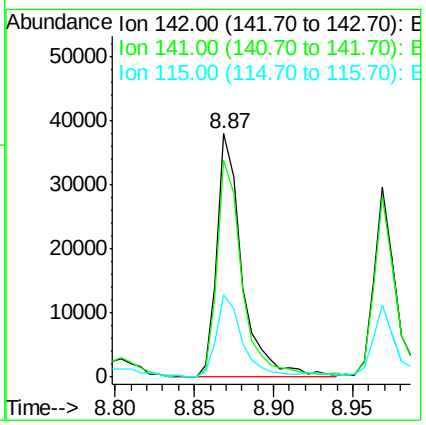


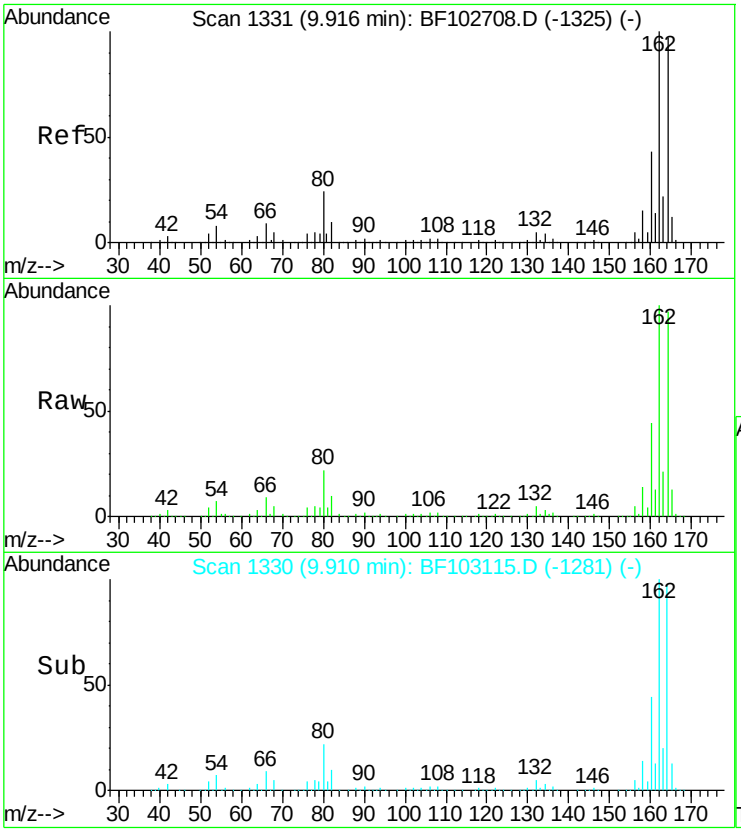


#37
2-Methylnaphthalene
Concen: 2.015 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:142 Resp: 41905

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.8	106.2
115	33.8	26.1	39.1



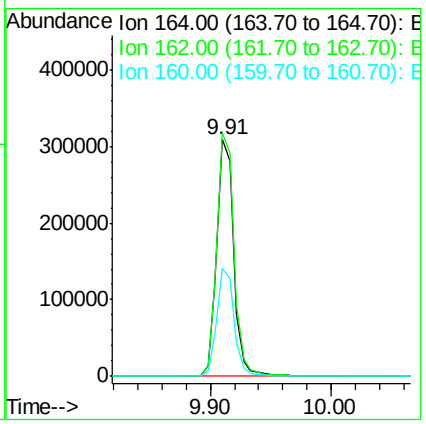


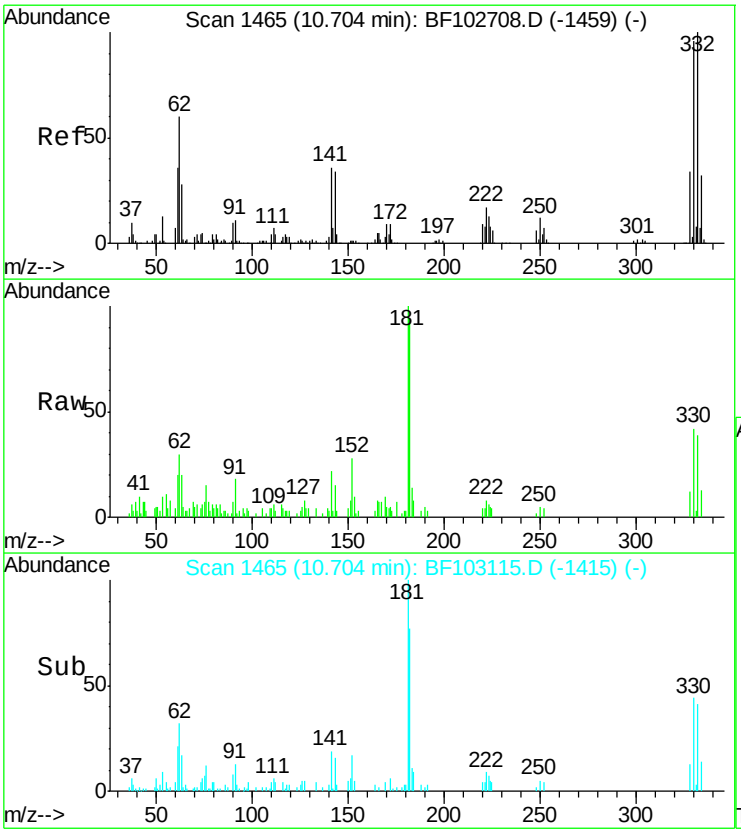
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 299635

Ion	Ratio	Lower	Upper
164	100		
162	102.8	86.1	129.1
160	45.4	38.3	57.5

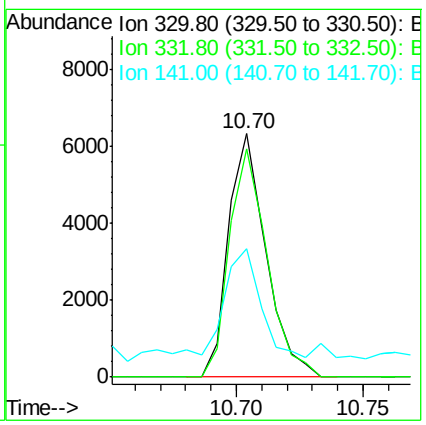


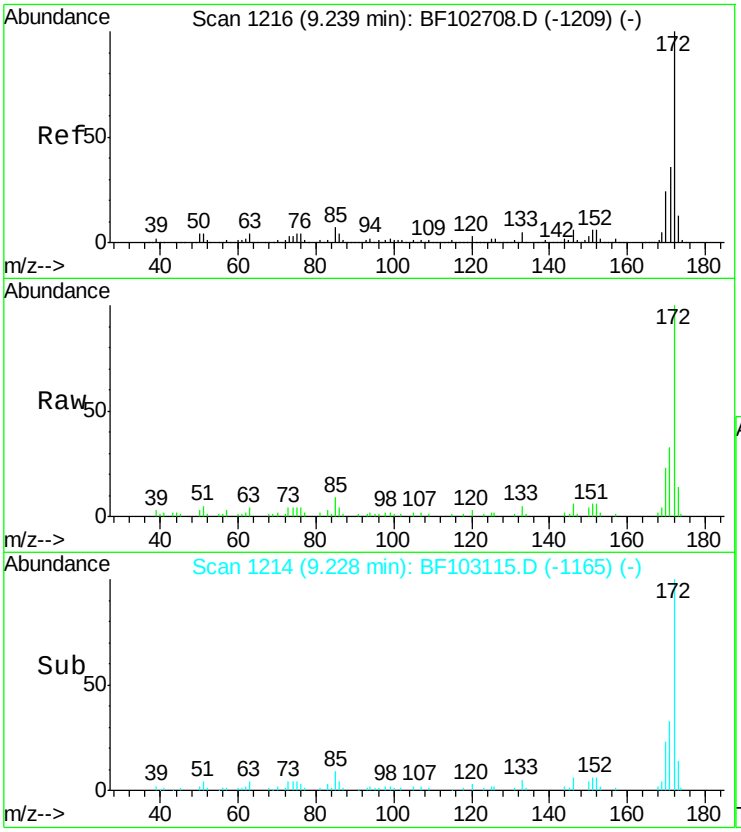


#41
2,4,6-Tribromophenol
Concen: 2.681 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:330 Resp: 6467

Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	56.8	29.9	44.9#



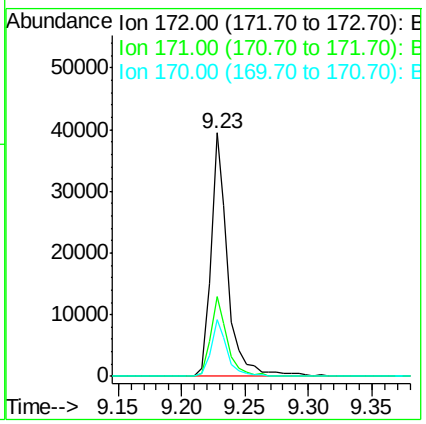


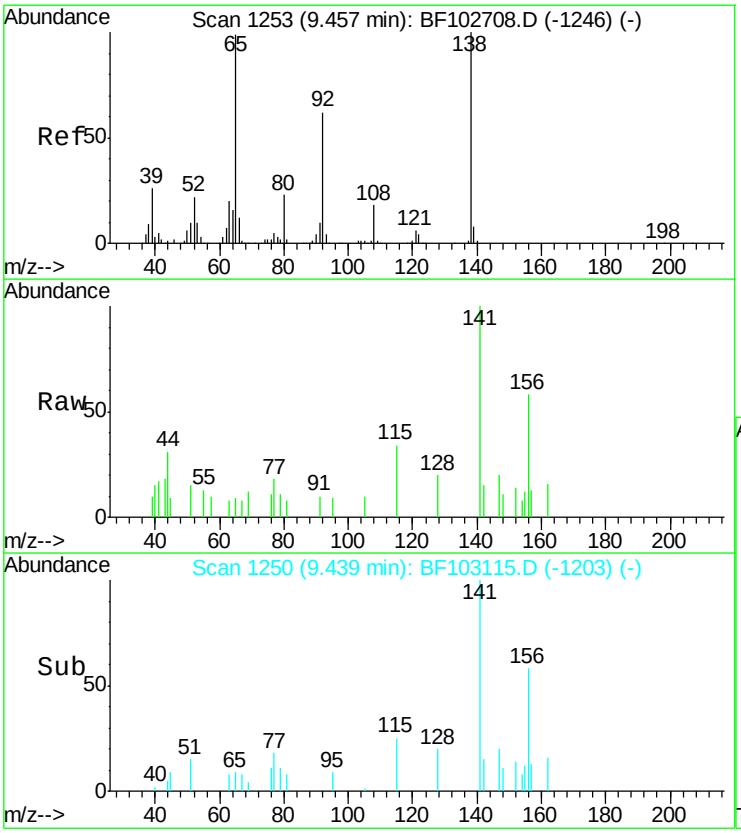
#44
2-Fluorobiphenyl
Concen: 2.032 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 36690

Ion	Ratio	Lower	Upper
172	100		
171	32.7	29.7	44.5
170	23.3	19.6	29.4

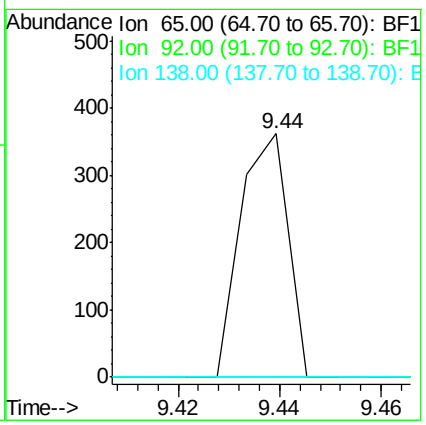


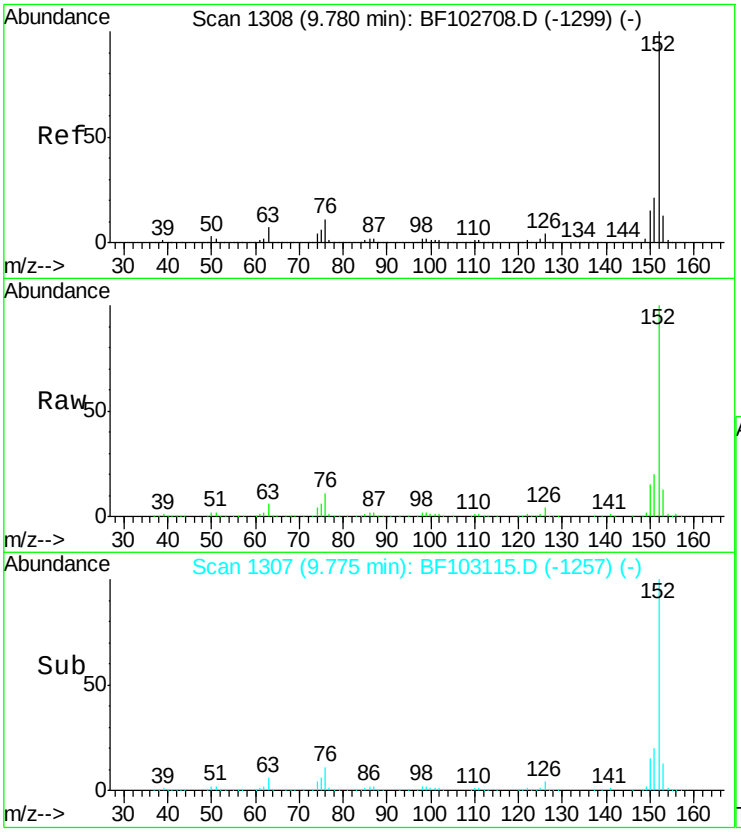


#47
2-Nitroaniline
Concen: 3.508 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion: 65 Resp: 234

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



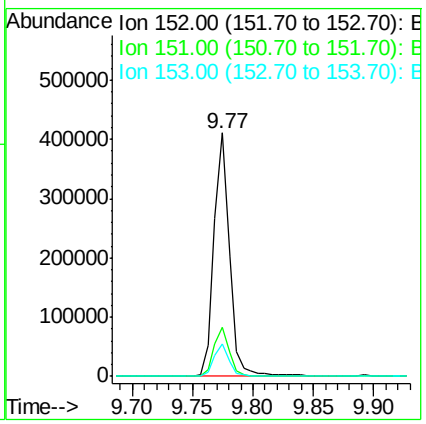


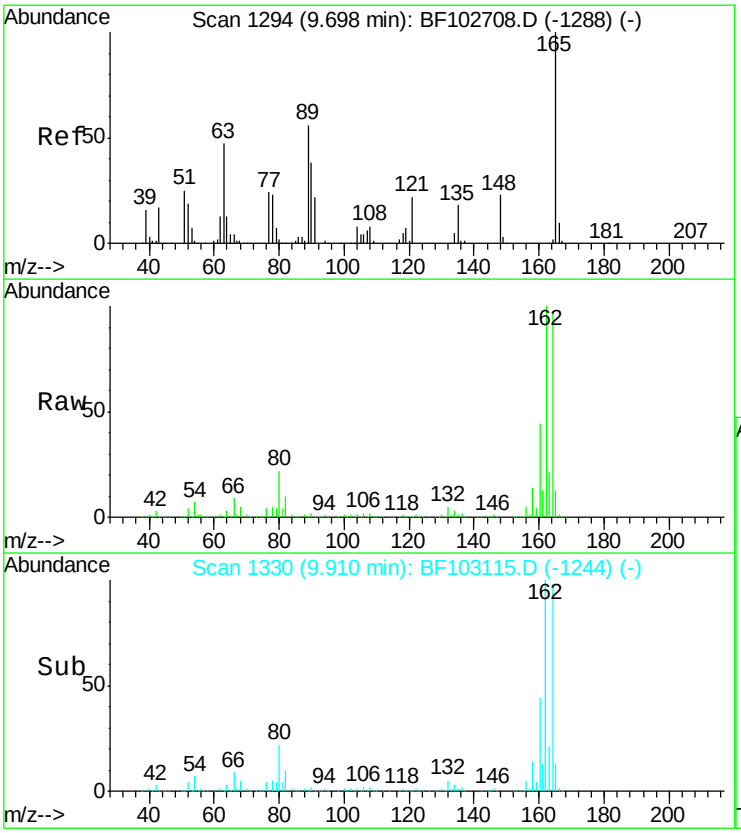
#48
Acenaphthylene
Concen: 11.701 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 361085

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	13.1	10.7	16.1

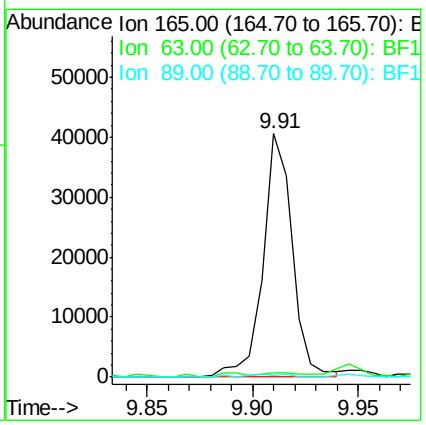


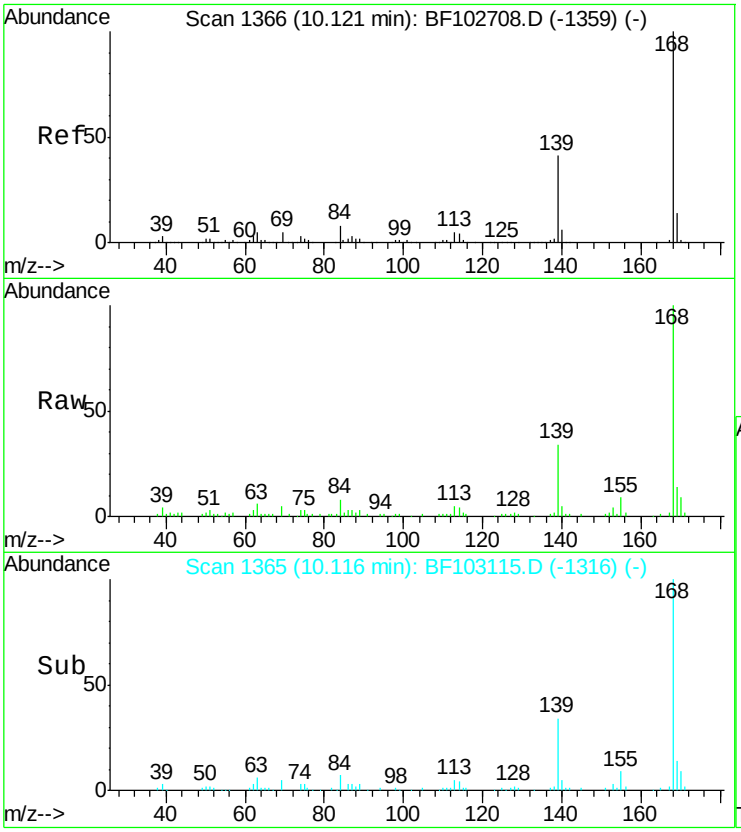


#50
2,6-Dinitrotoluene
Concen: 8.846 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:165 Resp: 39320

Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	0.9	44.0	66.0#



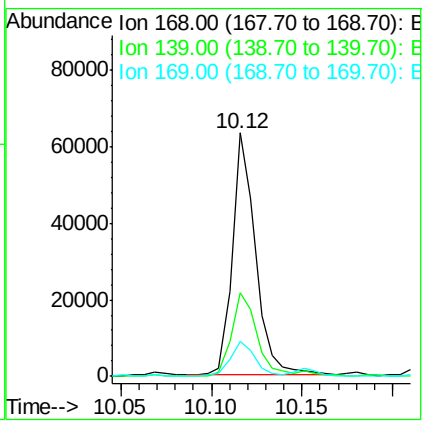


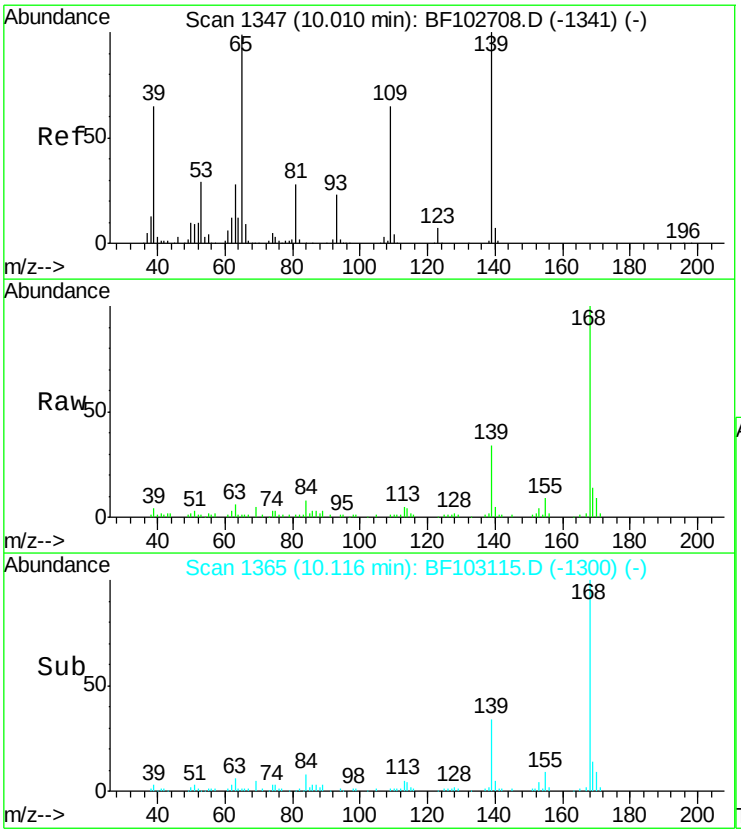
#54
Dibenzofuran
Concen: 2.168 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 56379

Ion	Ratio	Lower	Upper
168	100		
139	34.1	30.1	45.1
169	14.3	10.9	16.3

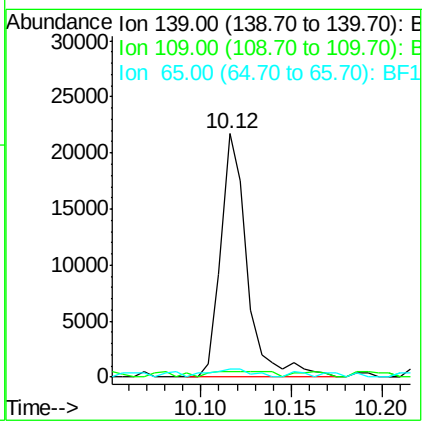


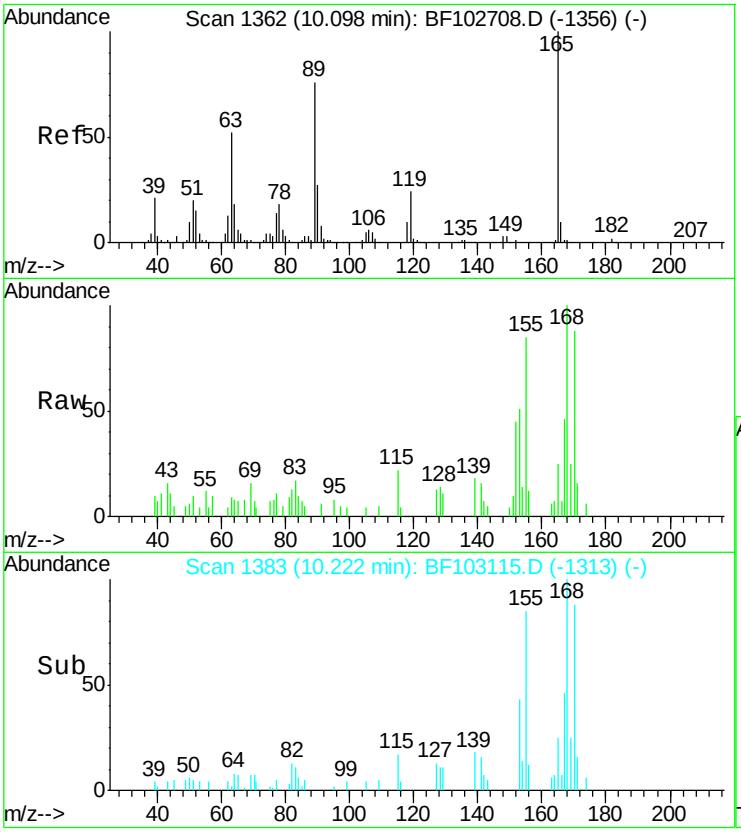


#55
4-Nitrophenol
Concen: 8.684 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.08 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:139 Resp: 22055

Ion	Ratio	Lower	Upper
139	100		
109	2.2	48.4	88.4#
65	3.4	72.6	112.6#



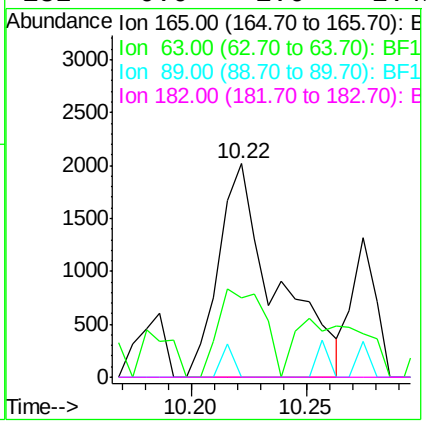


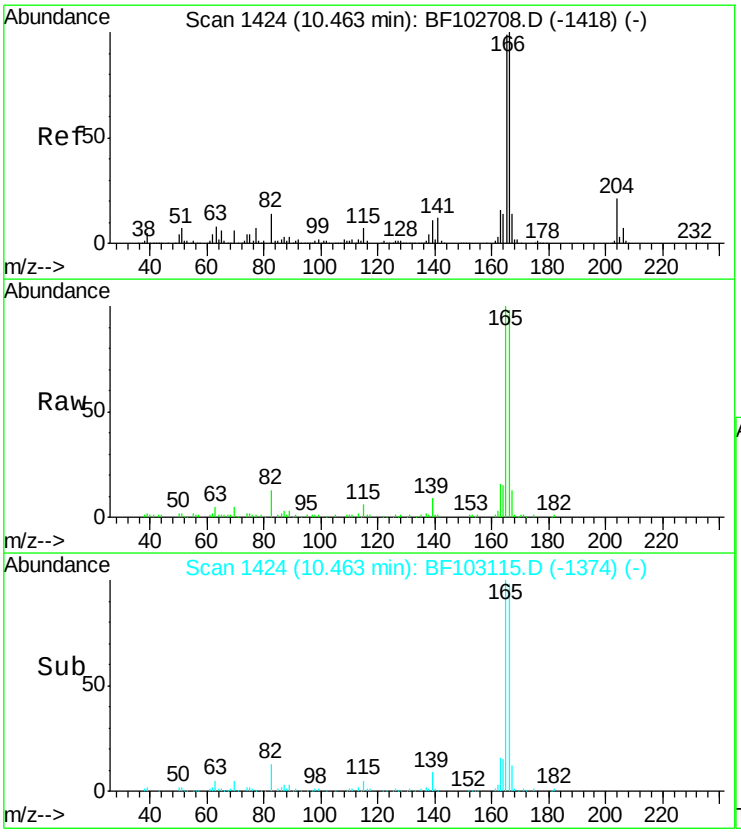
#56
2,4-Dinitrotoluene
Concen: 3.628 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.11 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 3516

Ion	Ratio	Lower	Upper
165	100		
63	37.4	36.4	54.6
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

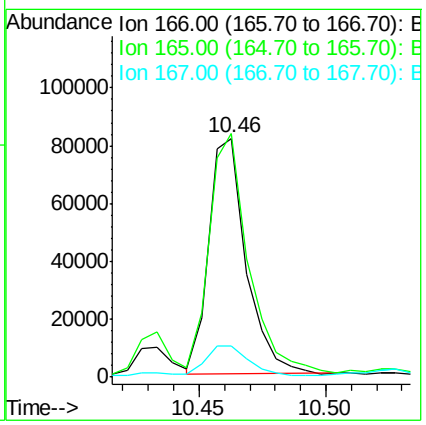


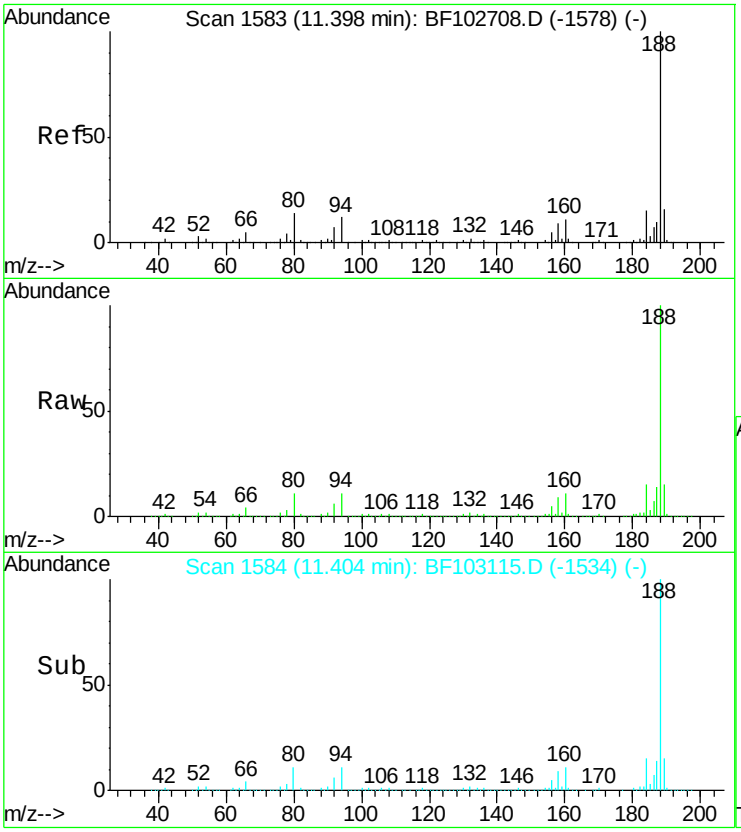


#57
Fluorene
Concen: 4.436 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:166 Resp: 83948

Ion	Ratio	Lower	Upper
166	100		
165	102.0	79.8	119.8
167	13.3	10.6	16.0



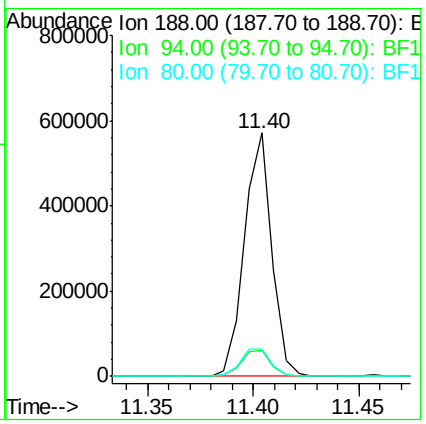


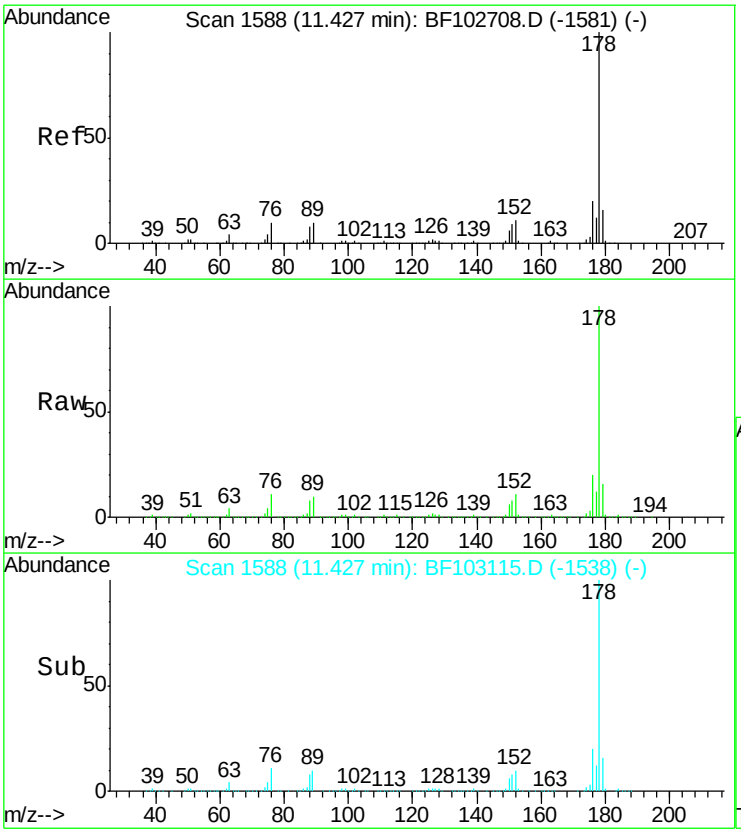
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 510121

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.3	9.2	13.8

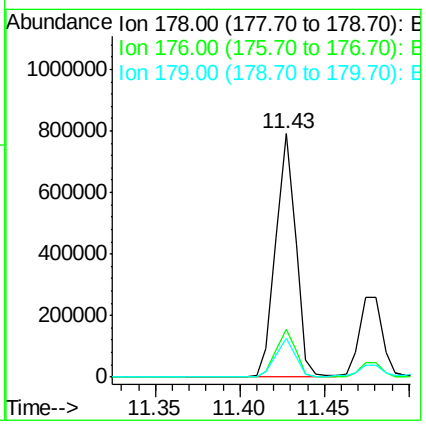


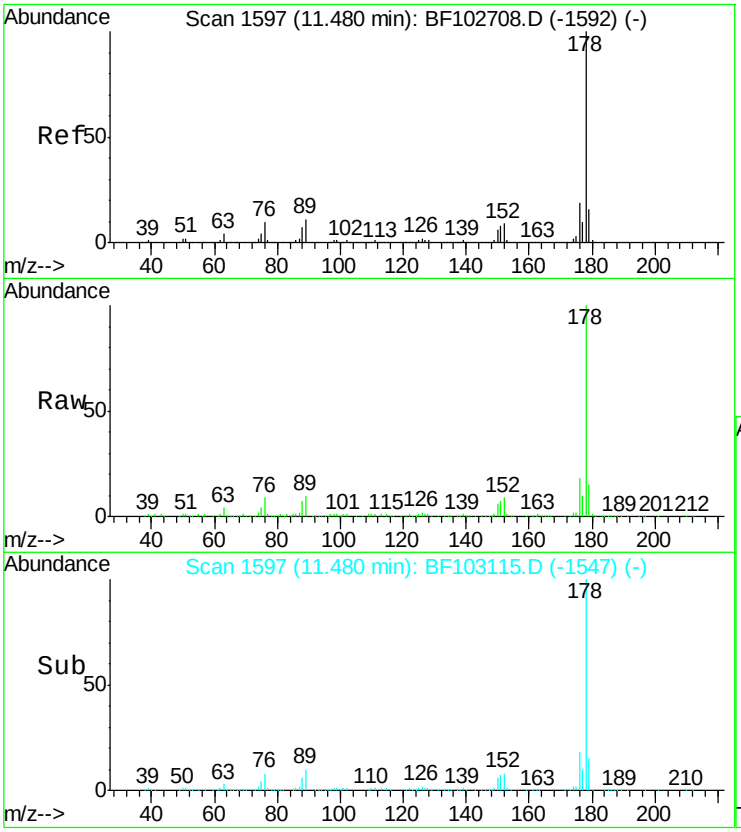


#70
Phenanthrene
Concen: 22.938 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:178 Resp: 651691

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.7	13.0	19.6



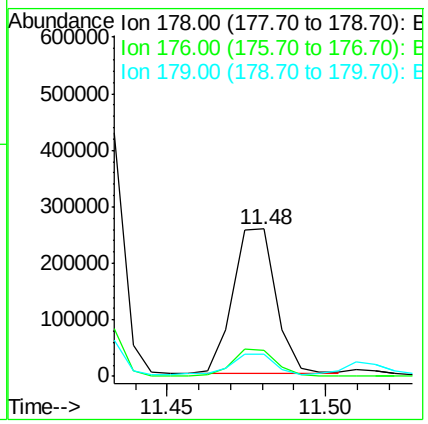


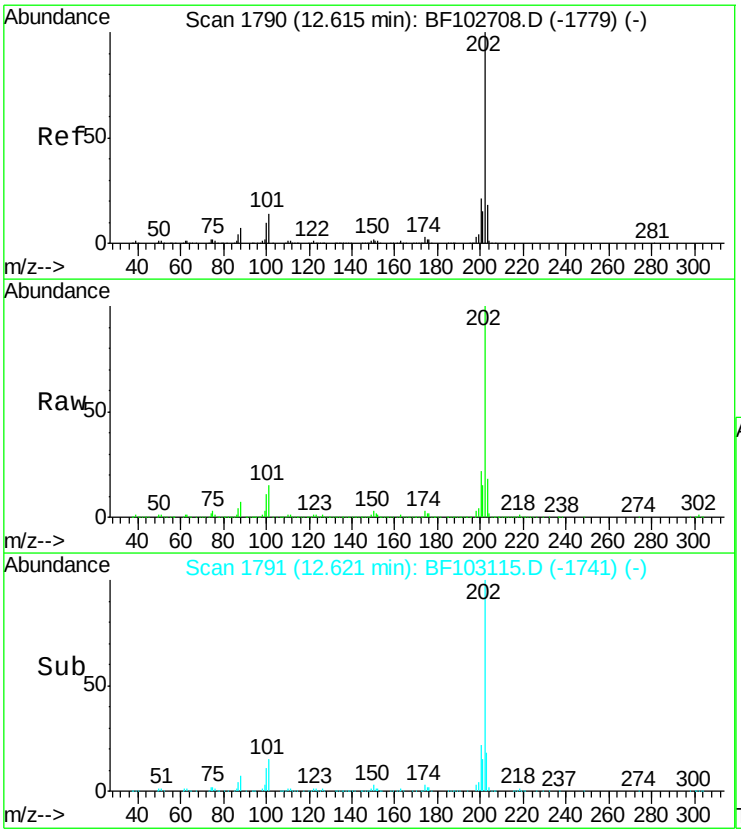
#71
Anthracene
Concen: 8.358 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 241511

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.2	12.6	19.0

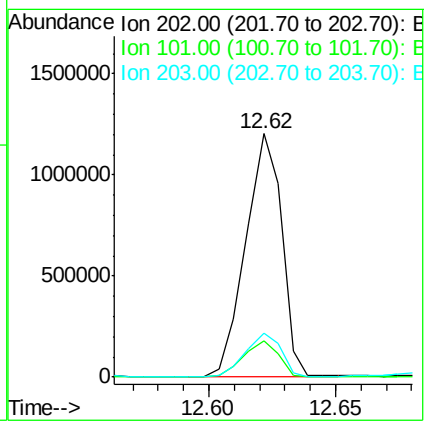


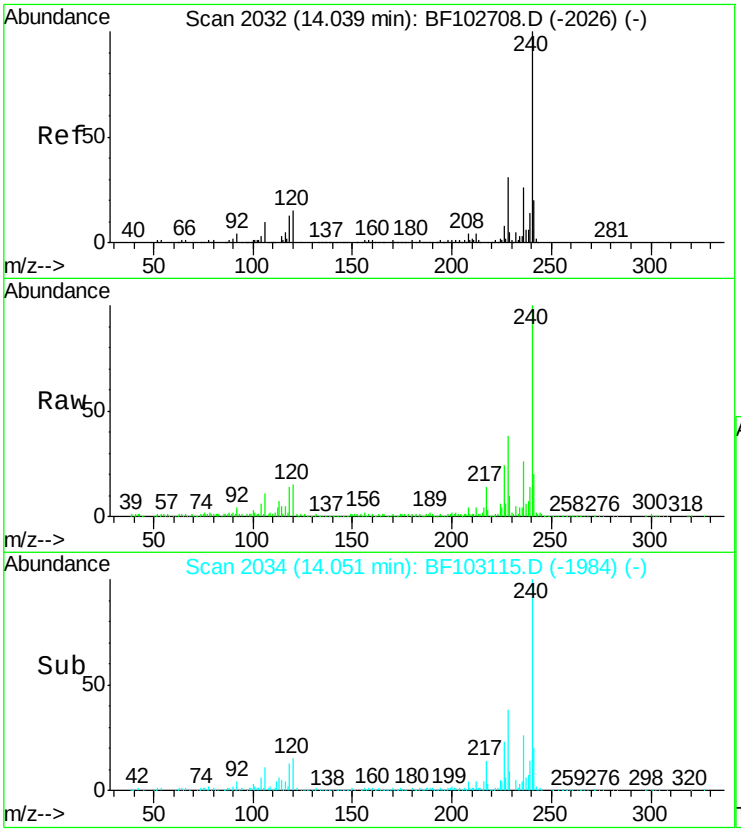


#74
Fluoranthene
Concen: 41.894 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:202 Resp: 1197521

Ion	Ratio	Lower	Upper
202	100		
101	15.0	0.0	34.1
203	18.2	0.0	38.1



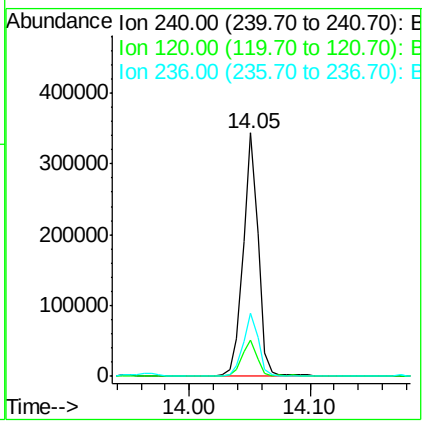


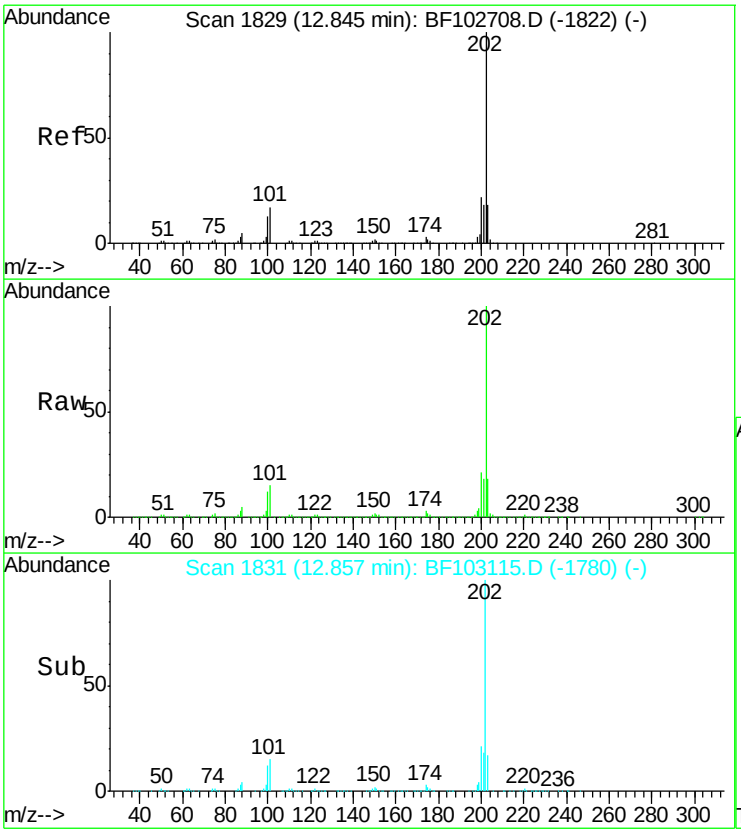
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 297274

Ion	Ratio	Lower	Upper
240	100		
120	15.0	9.5	14.3#
236	26.1	20.7	31.1

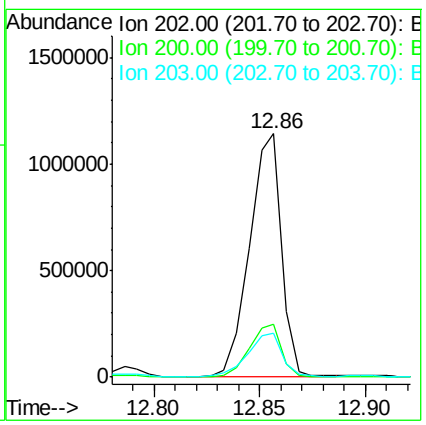


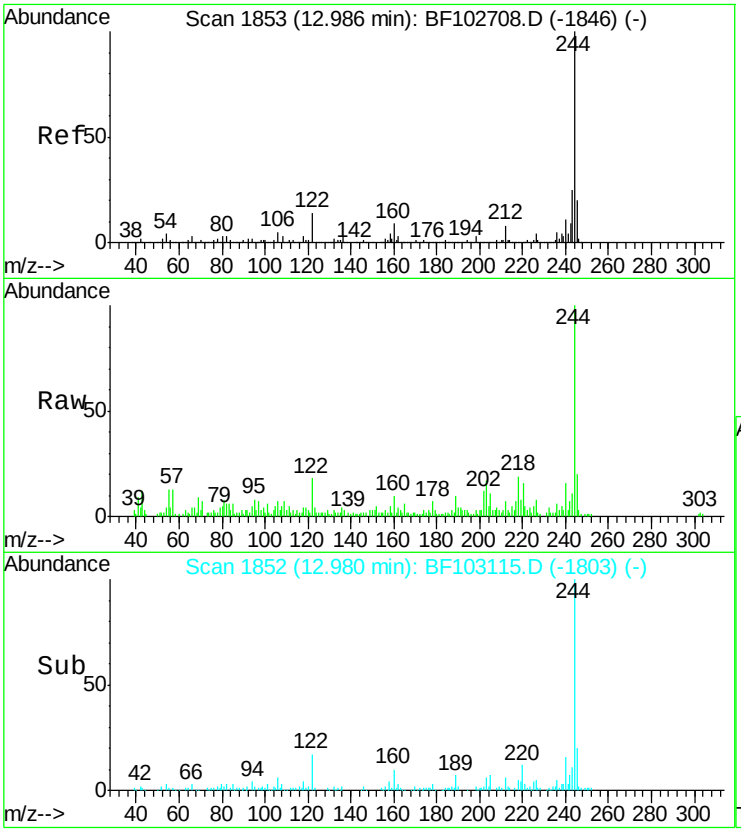


#77
Pyrene
Concen: 51.169 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:202 Resp: 1192786

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



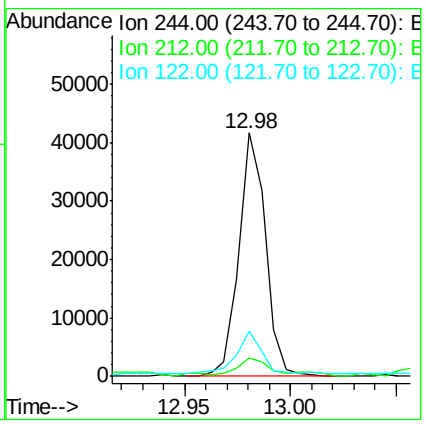


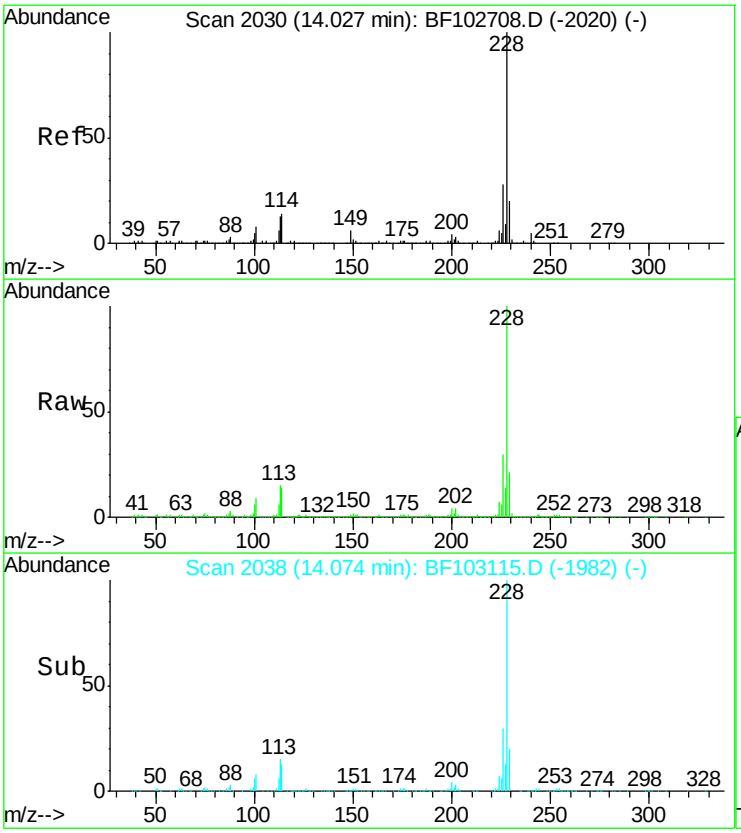
#78
Terphenyl-d14
Concen: 2.895 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 36347

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	18.4	11.0	16.4#

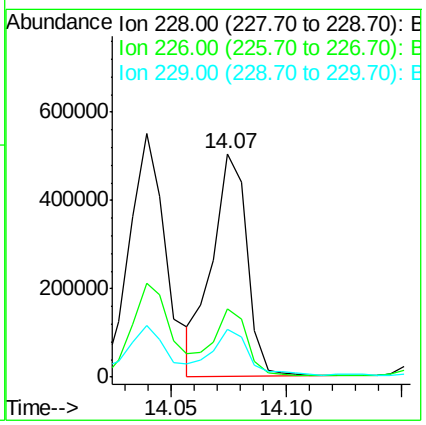


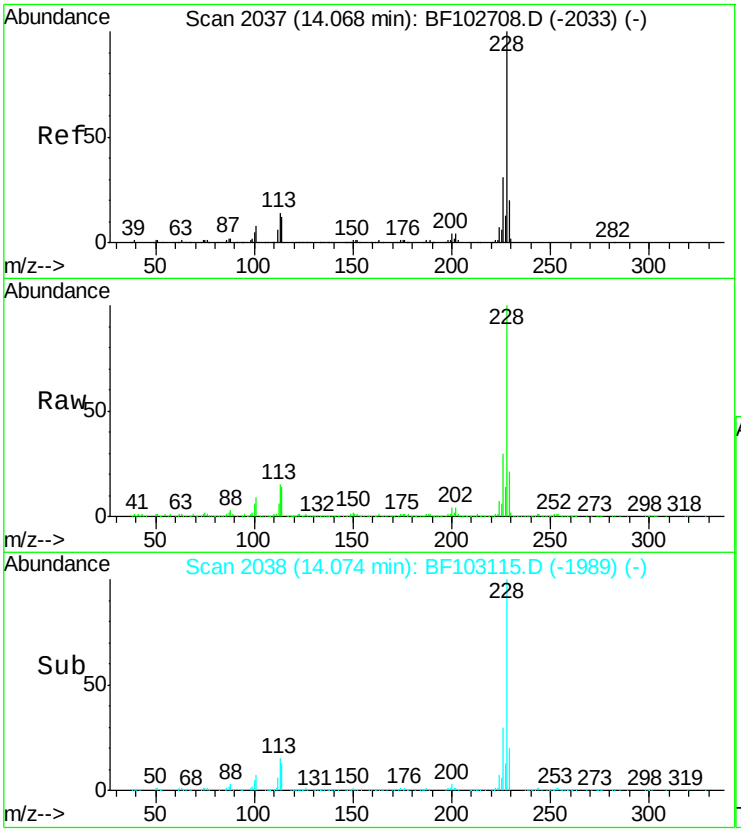


#80
Benzo(a)anthracene
Concen: 28.365 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.03 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:228 Resp: 530311

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	21.5	15.8	23.6



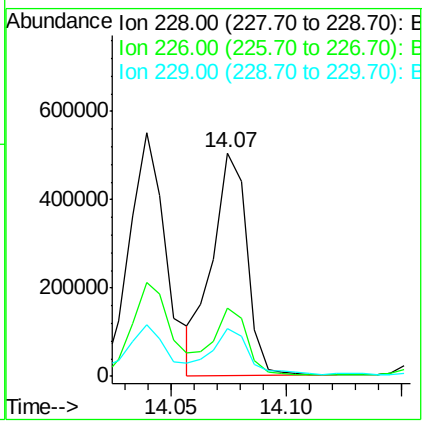


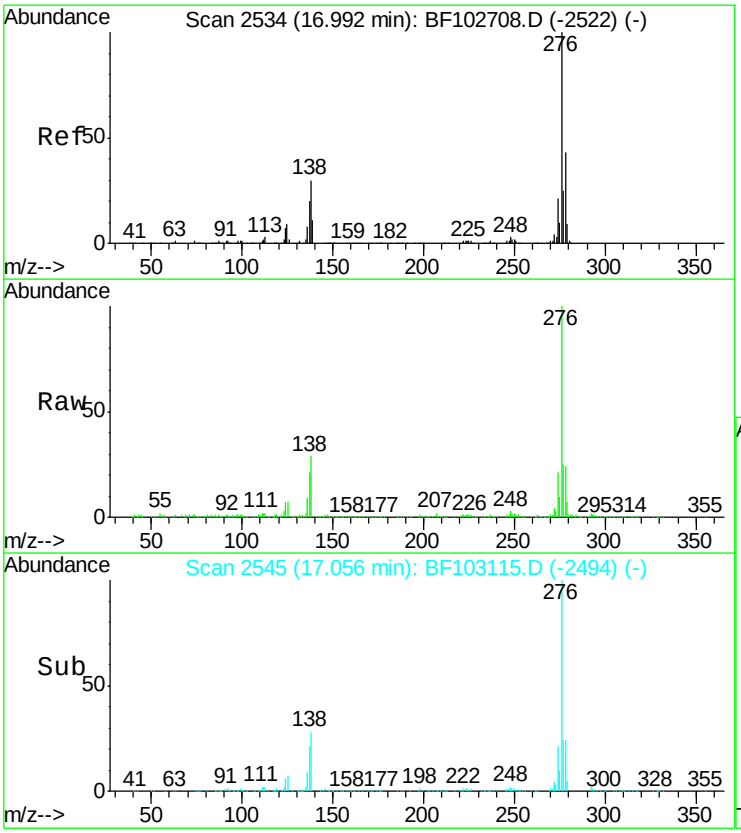
#82
Chrysene
Concen: 28.139 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 530311

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.5	16.2	24.4

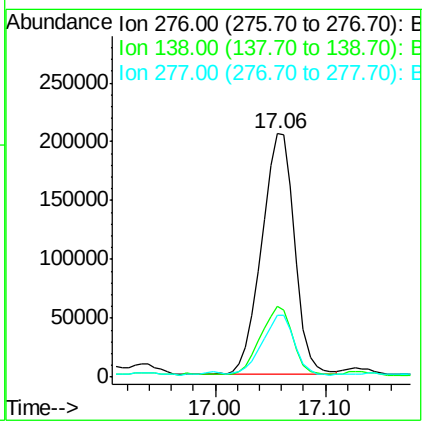


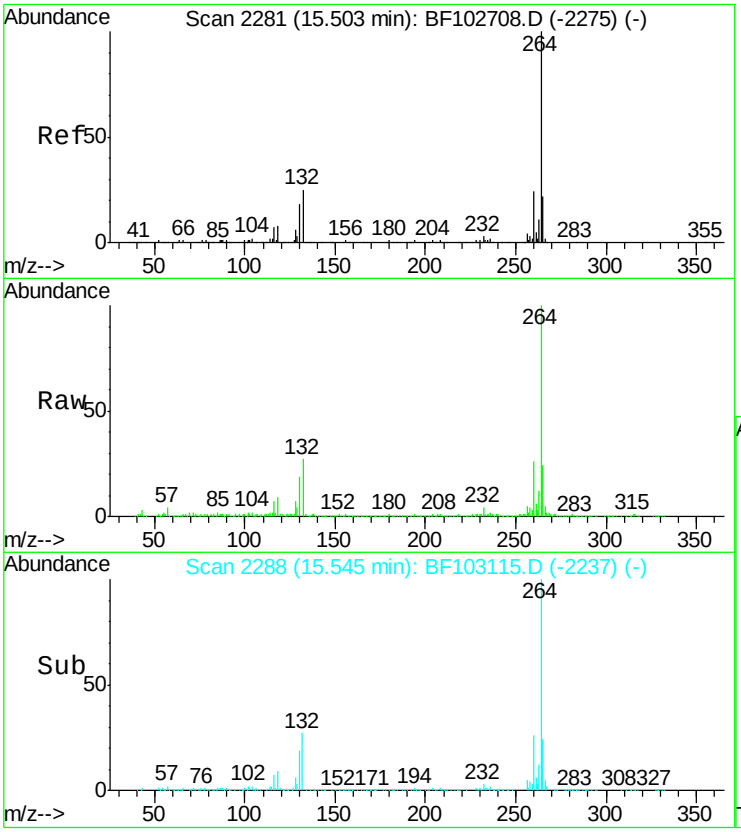


#85
Indeno(1,2,3-cd)pyrene
Concen: 27.407 ng
RT: 17.06 min Scan# 2545
Delta R.T. 0.00 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:276 Resp: 428389

Ion	Ratio	Lower	Upper
276	100		
138	27.0	25.0	37.6
277	24.1	20.1	30.1



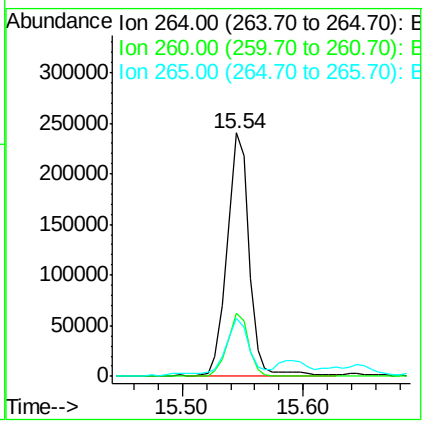


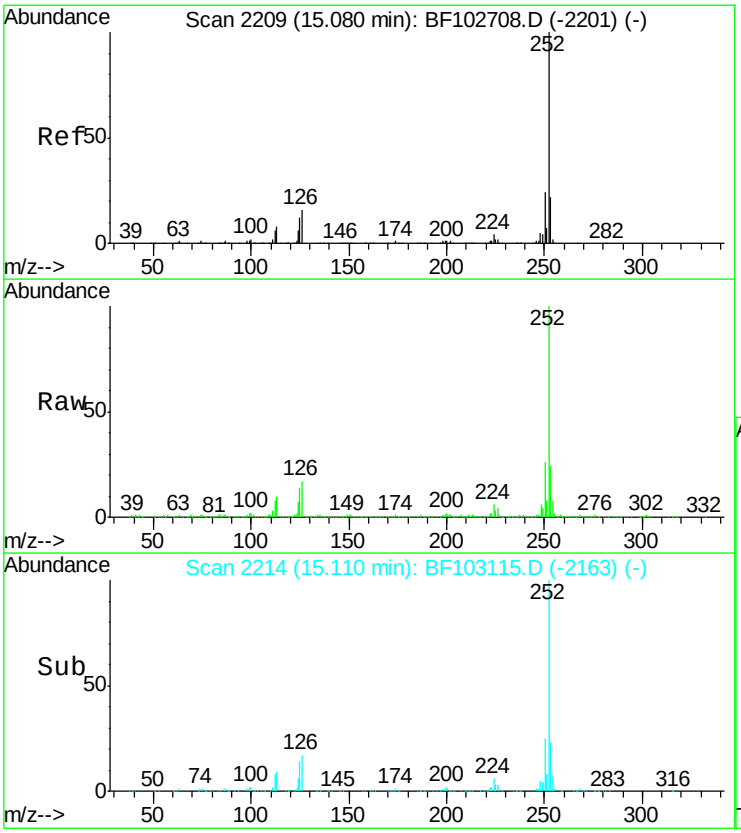
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 303394

Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.2	28.8
265	24.0	17.5	26.3

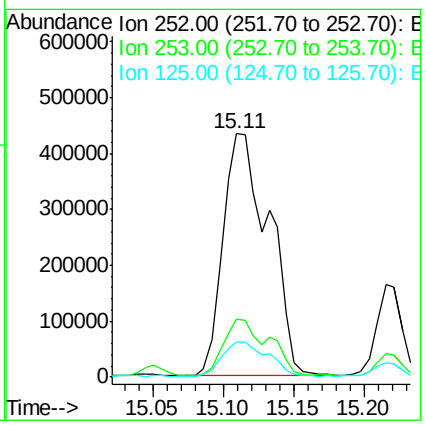


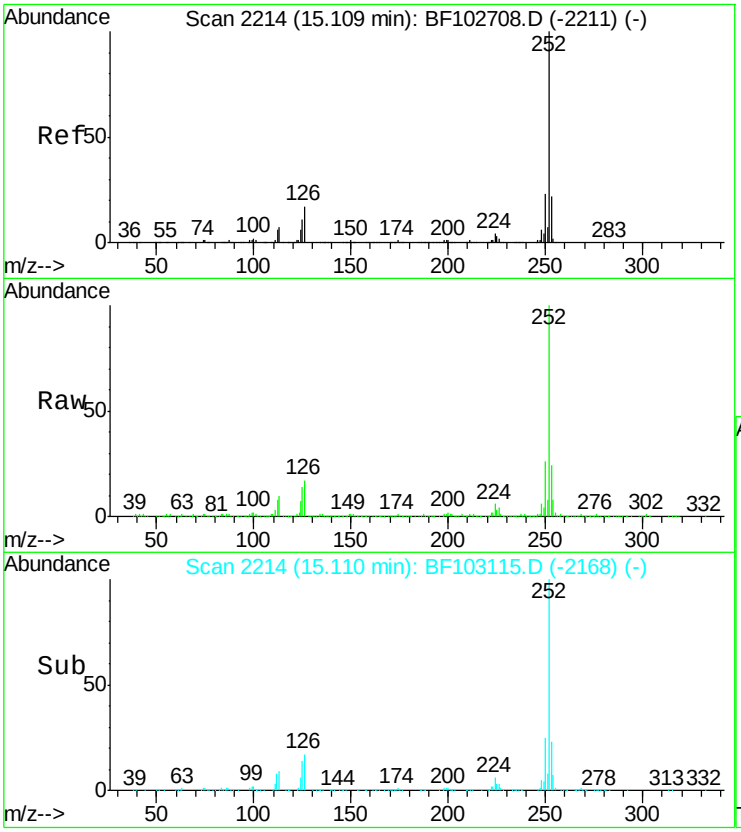


#87
Benzo(b)fluoranthene
Concen: 50.155 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.00 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:252 Resp: 986557

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	14.4	9.0	13.6#



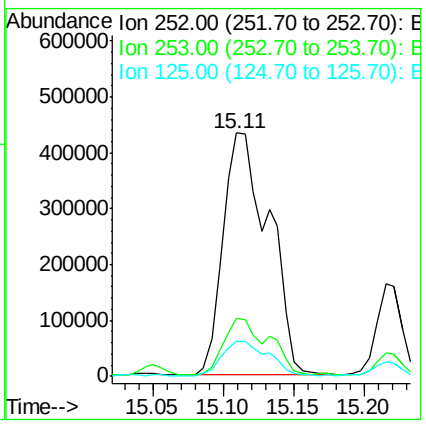


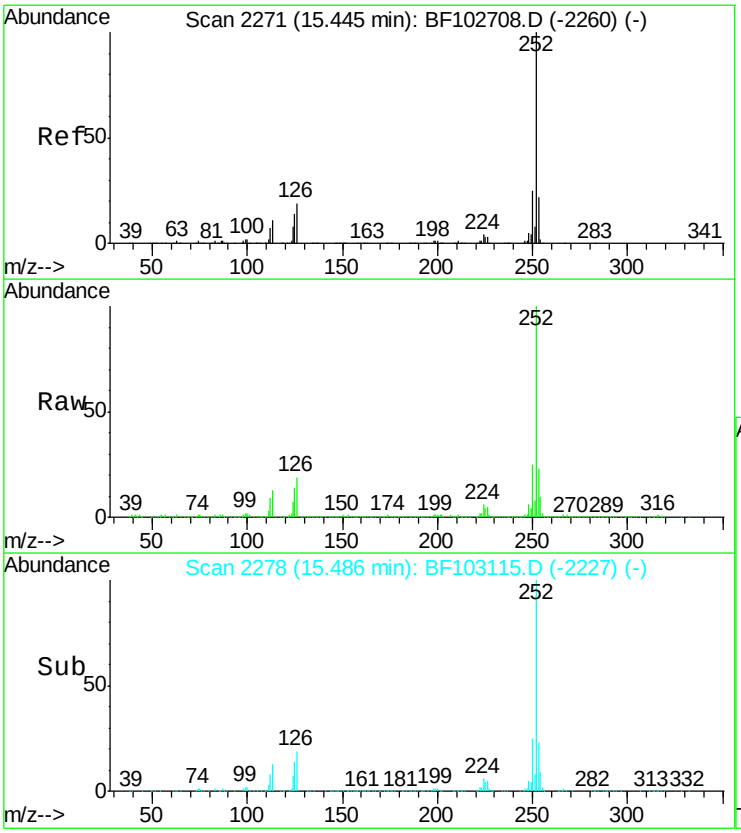
#88
Benzo(k)fluoranthene
Concen: 52.491 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.03 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 986557

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	14.4	10.2	15.2

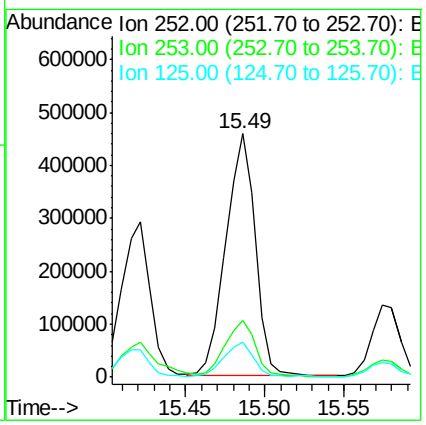


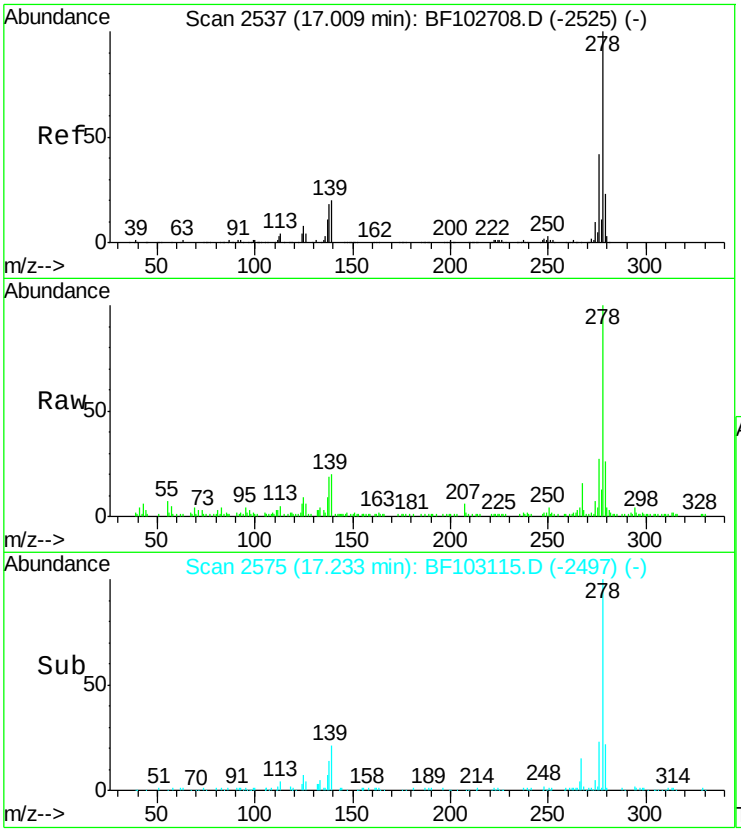


#89
Benzo(a)pyrene
Concen: 33.199 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:252 Resp: 587812

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	14.4	9.8	14.6



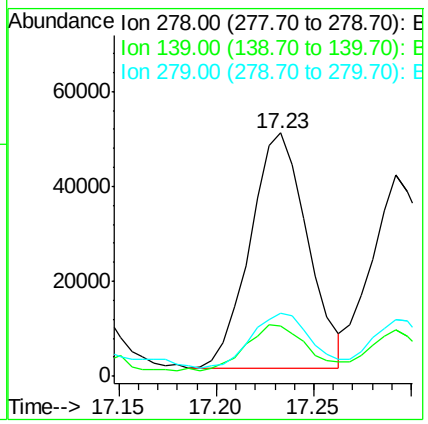


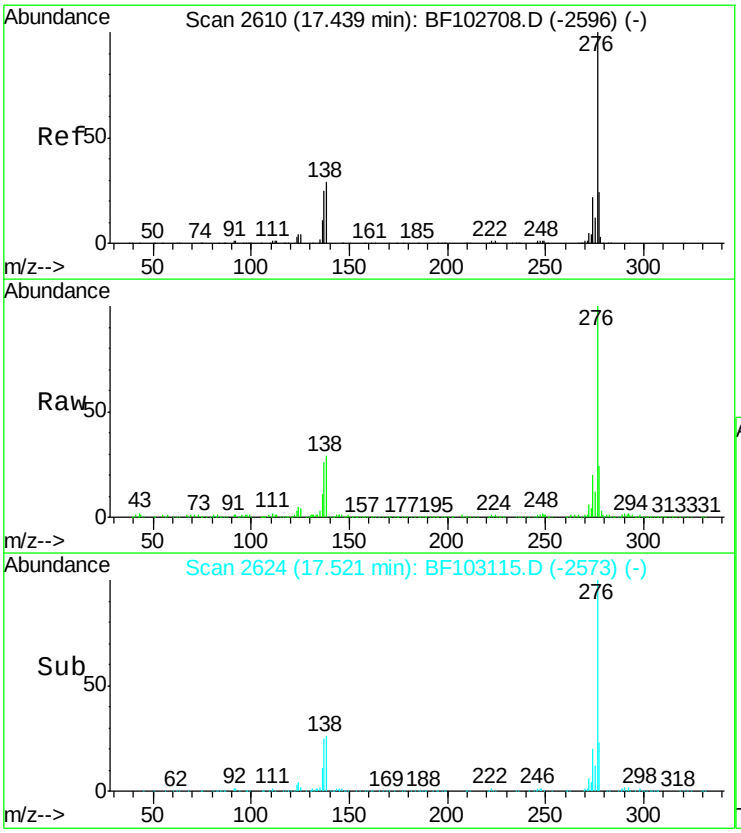
#90
Dibenzo(a,h)anthracene
Concen: 6.999 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.16 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 100588

Ion	Ratio	Lower	Upper
278	100		
139	20.5	15.9	23.9
279	26.1	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 31.131 ng
RT: 17.52 min Scan# 2624
Delta R.T. 0.00 min
Lab File: BF103115.D
Acq: 20 Feb 2018 10:34

Tgt Ion:276 Resp: 437896

Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	28.7	21.8	32.8