Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109919.D
Acq On : 17 Oct 2018 12:52
Operator : JU/SJ
Sample : J5516-06RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 17 17:06:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	257634	20.00	ng		0.00
21) Naphthalene-d8	8.26	136	985290	20.00	ng		0.00
39) Acenaphthene-d10	10.02	164	483219	20.00	ng		0.00
64) Phenanthrene-d10	11.52	188	893740	20.00	ng		0.00
76) Chrysene-d12	14.16	240	486240	20.00	ng		0.00
87) Perylene-d12	15.69	264	542702	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.60	112	1351605	83.16	ng		0.00
7) Phenol-d6	6.60	99	1726175	85.53	ng		0.00
23) Nitrobenzene-d5	7.54	82	1056628	72.24	ng		-0.01
42) 2,4,6-Tribromophenol	10.82	330	294823	70.47	ng		0.00
45) 2-Fluorobiphenyl	9.34	172	1861682	61.48	ng		0.00
79) Terphenyl-d14	13.10	244	1675178	72.35	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.54	70	140668	10.855	ng	#	81
25) Isophorone	7.54	82	1056603	36.765	ng	#	67
31) Naphthalene	8.28	128	169127	3.743	ng		98
35) Caprolactam	8.97	113	26674	5.593	ng	#	1
37) 2-Methylnaphthalene	8.97	142	1265314	43.249	ng		98
38) 1-Methylnaphthalene	9.07	142	737256	26.006	ng		98
46) 1,1'-Biphenyl	9.44	154	536618	12.464	ng		100
49) Acenaphthylene	9.88	152	122442	2.658	ng	#	91
50) Dimethylphthalate	9.73	163	211825	6.191	ng		99
52) Acenaphthene	10.06	154	1316064	44.870	ng		99
54) 2,4-Dinitrophenol	9.99	184	309	9.042	ng	#	1
55) Dibenzofuran	10.23	168	1702082	40.691	ng		98
56) 4-Nitrophenol	10.23	139	654904	108.571	ng	#	7
57) 2,4-Dinitrotoluene	10.22	165	3471	4.965	ng	#	1
58) Fluorene	10.57	166	1549818	50.897	ng		99
62) 4-Nitroaniline	10.57	138	17060	2.280	ng	#	20
65) 4,6-Dinitro-2-methylphenol	10.81	198	854	8.125	ng	#	1
71) Phenanthrene	11.55	178	4491906	97.081	ng		93
72) Anthracene	11.59	178	903114	19.414	ng		99
73) Carbazole	11.74	167	186530	4.080	ng		98
75) Fluoranthene	12.74	202	2902048	62.784	ng		97
78) Pyrene	12.97	202	2270704	63.582	ng		98
81) Benzo(a)anthracene	14.15	228	695870	24.296	ng		93
83) Chrysene	14.19	228	609596	22.361	ng		96
86) Indeno(1,2,3-cd)pyrene	17.24	276	388943	17.720	ng		97
88) Benzo(b)fluoranthene	15.23	252	1431024	45.737	ng	#	97
89) Benzo(k)fluoranthene	15.23	252	1431024	46.403	ng	#	96
90) Benzo(a)pyrene	15.62	252	683238	23.743	ng		98
92) Benzo(g,h,i)perylene	17.73	276	326077	12.655	ng	#	93

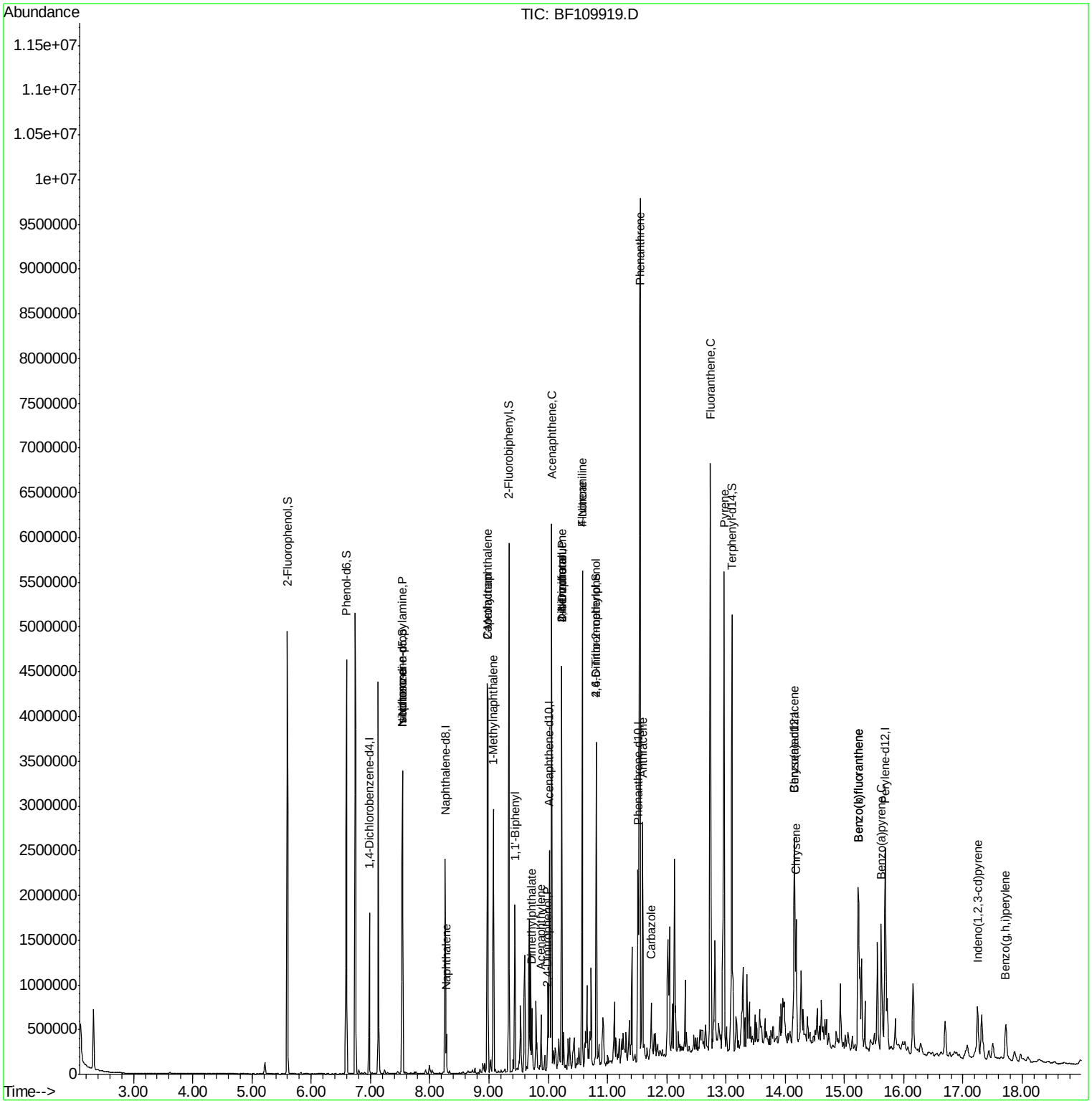
(#) = qualifier out of range (m) = manual integration (+) = signals summed

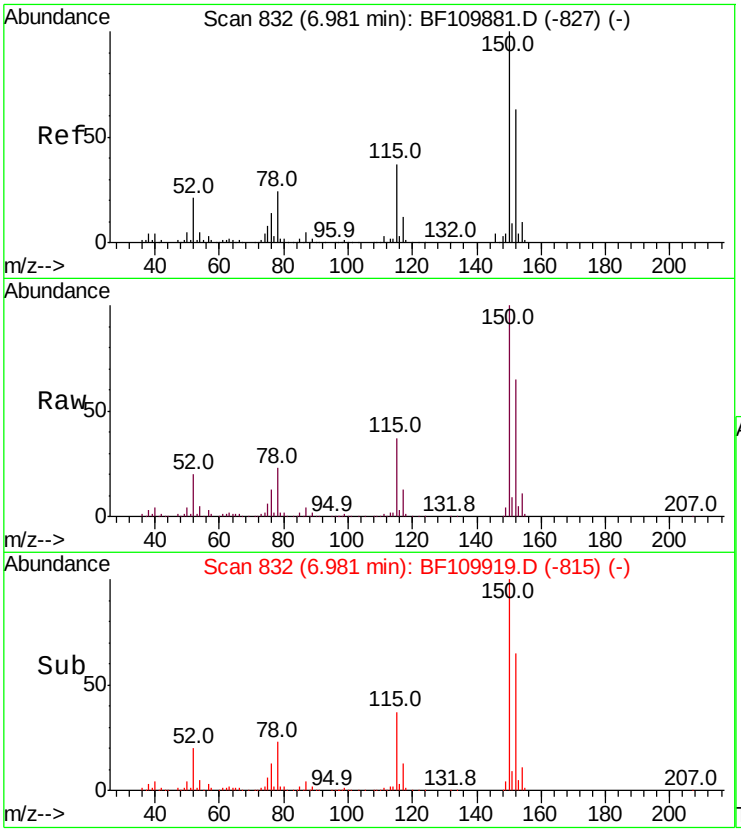
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109919.D
Acq On : 17 Oct 2018 12:52
Operator : JU/SJ
Sample : J5516-06RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 17 17:06:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration



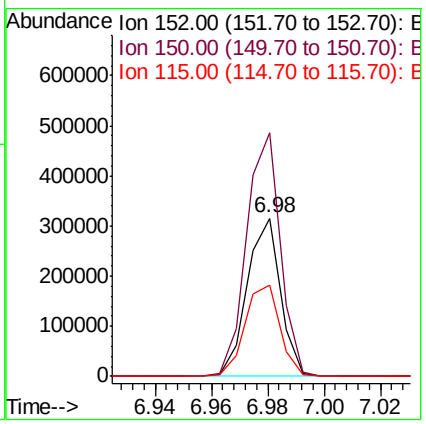


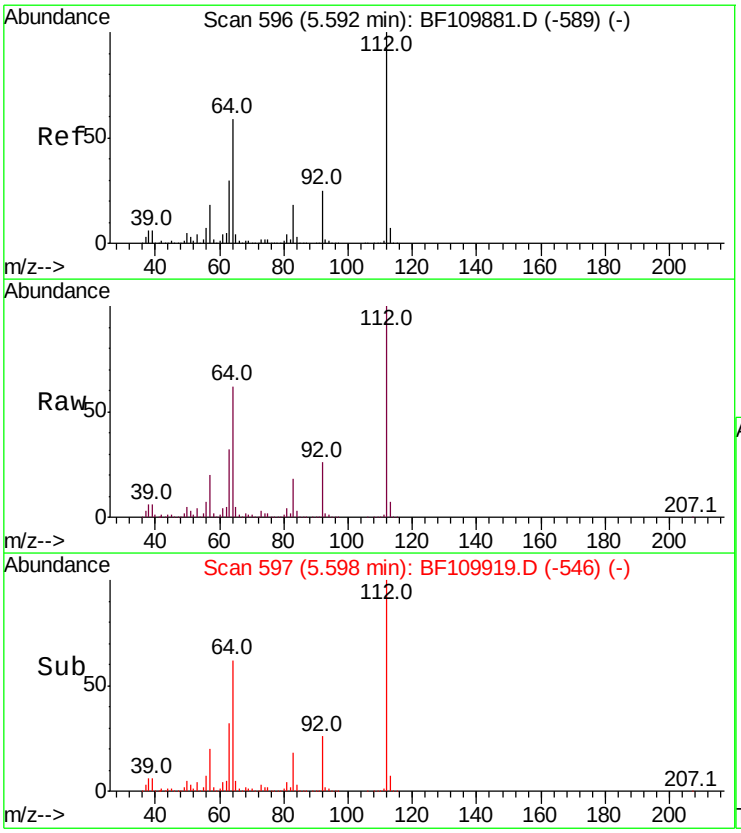
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 257634

Ion	Ratio	Lower	Upper
152	100		
150	154.1	122.7	184.1
115	57.7	49.1	73.7

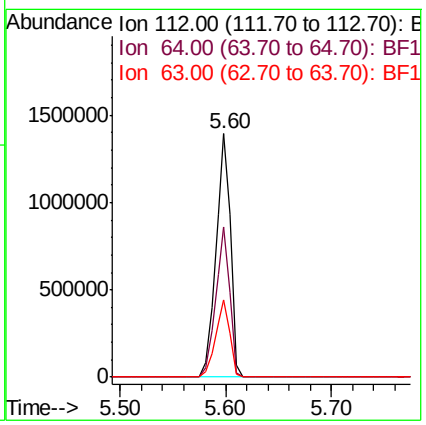


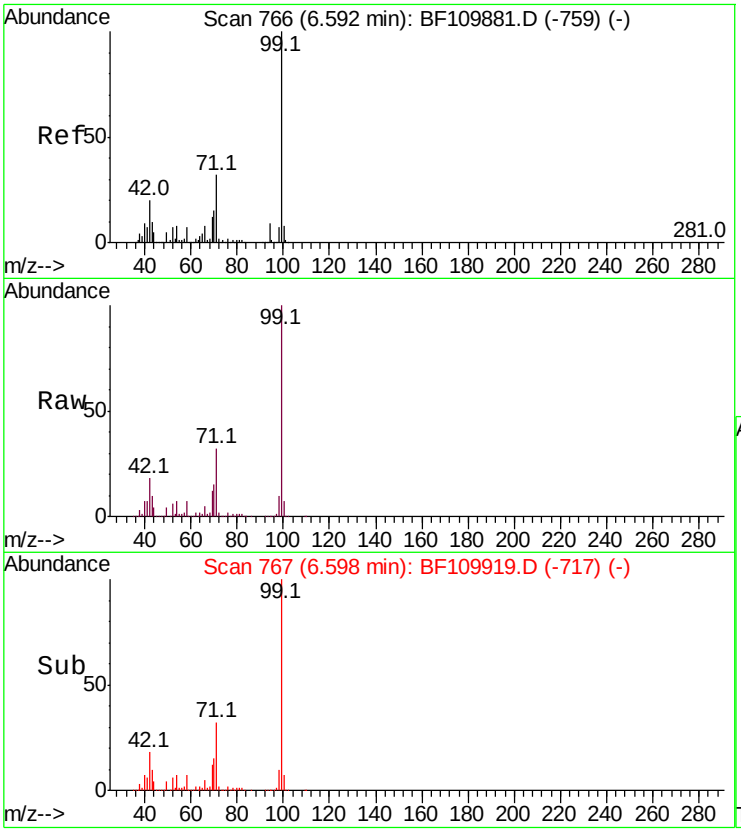


#5
2-Fluorophenol
Concen: 83.160 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:112 Resp: 1351605

Ion	Ratio	Lower	Upper
112	100		
64	61.8	44.1	66.1
63	31.9	23.7	35.5



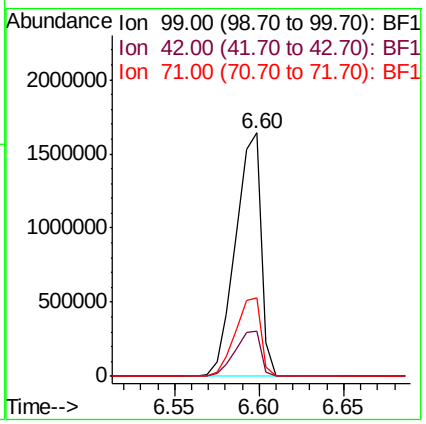


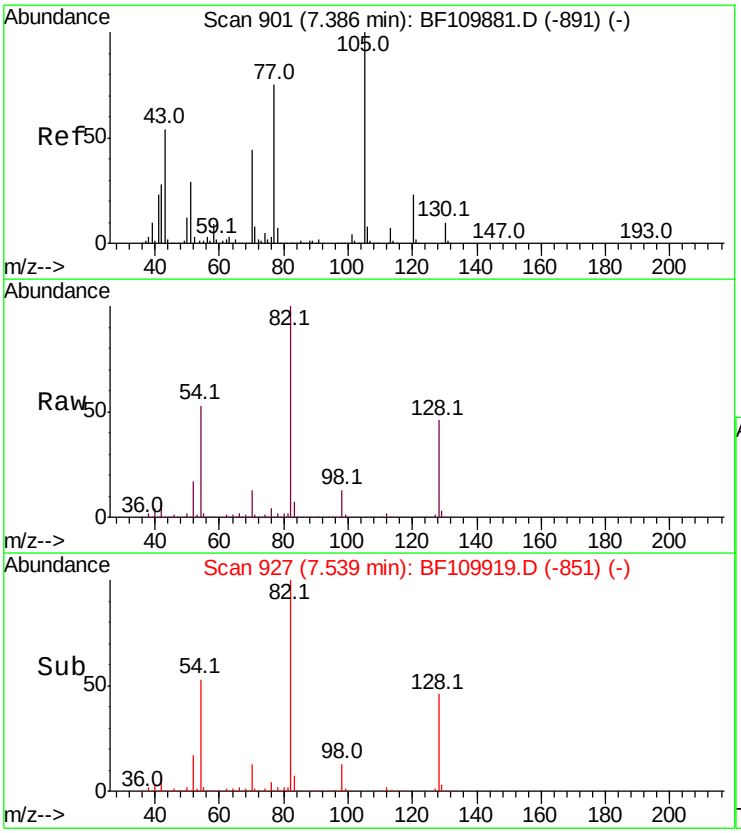
#7
Phenol-d6
Concen: 85.530 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 1726175

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.8	23.6
71	32.0	28.0	42.0

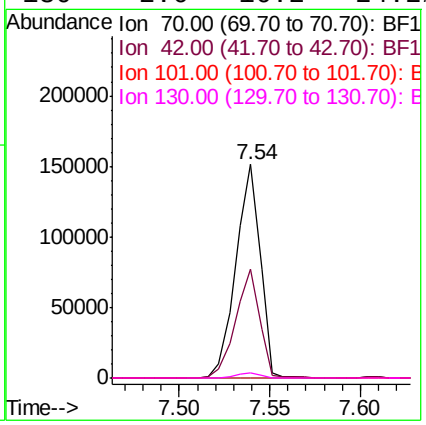


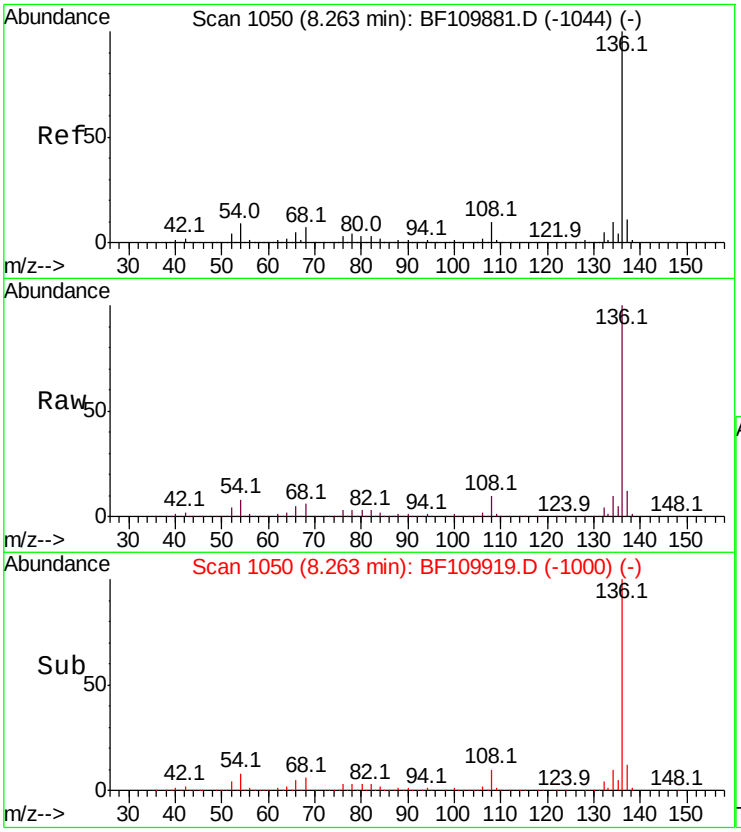


#19
n-Nitroso-di-n-propylamine
Concen: 10.855 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.15 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion: 70 Resp: 140668

Ion	Ratio	Lower	Upper
70	100		
42	51.1	47.4	71.2
101	0.0	7.3	10.9#
130	2.6	16.2	24.2#



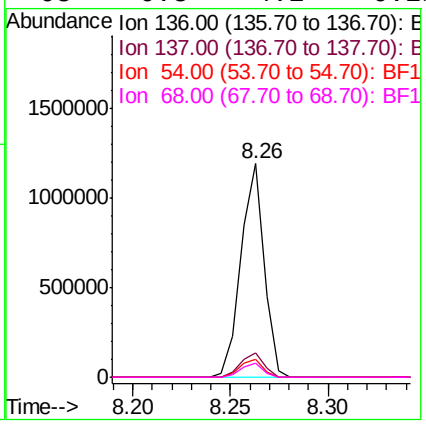


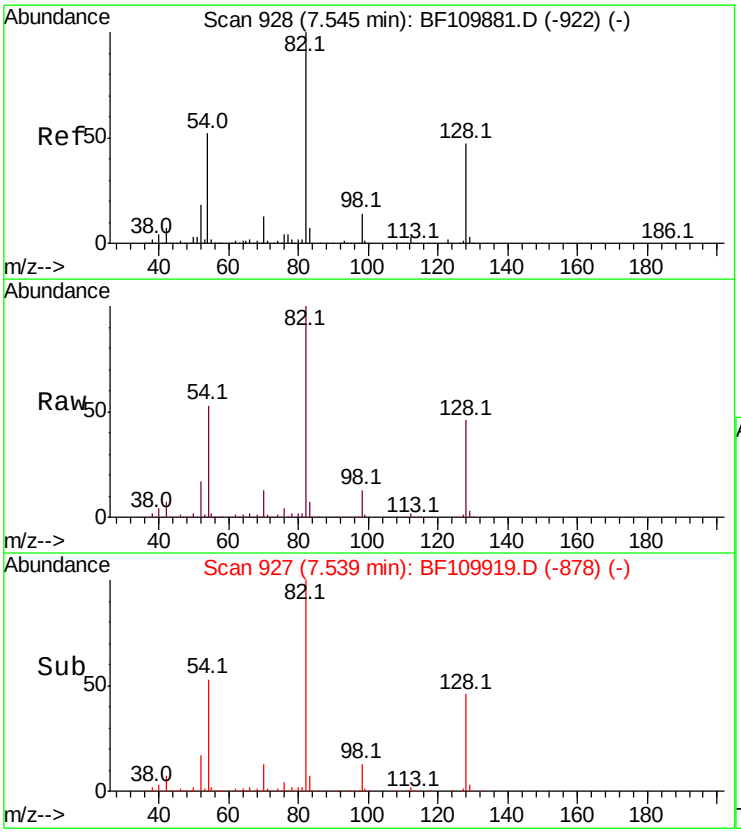
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 985290

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	8.2	5.4	8.2#
68	6.3	4.2	6.2#

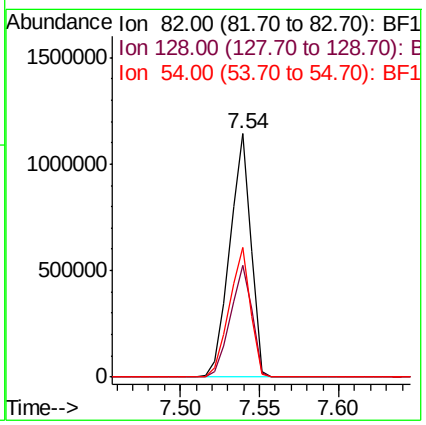


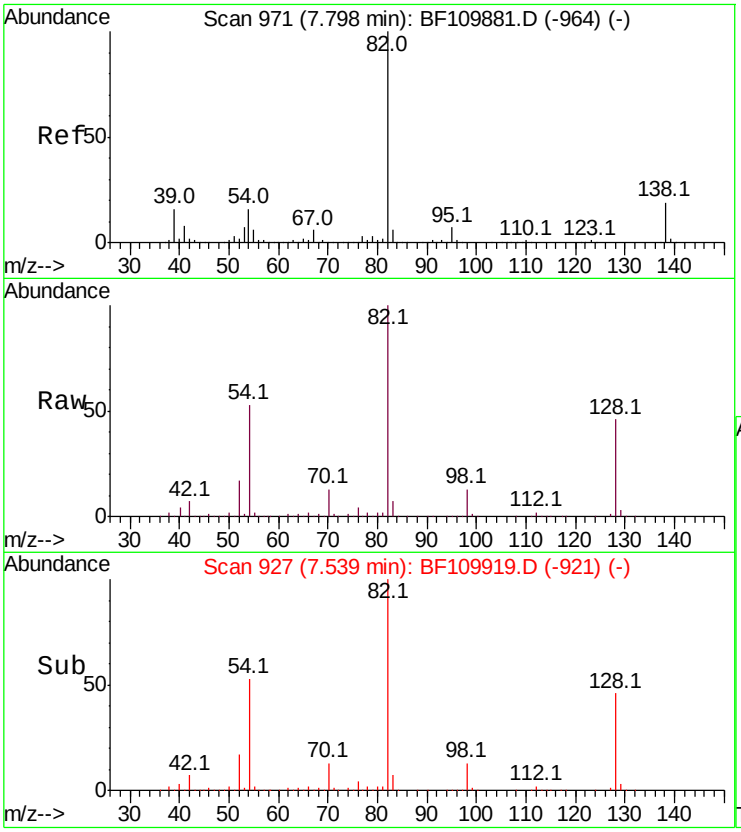


#23
Nitrobenzene-d5
Concen: 72.241 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion: 82 Resp: 1056628

Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.2	51.2
54	53.3	38.6	58.0



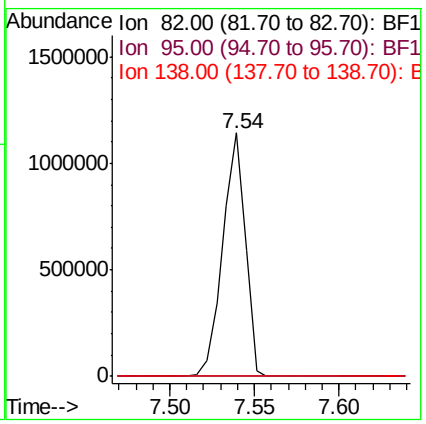


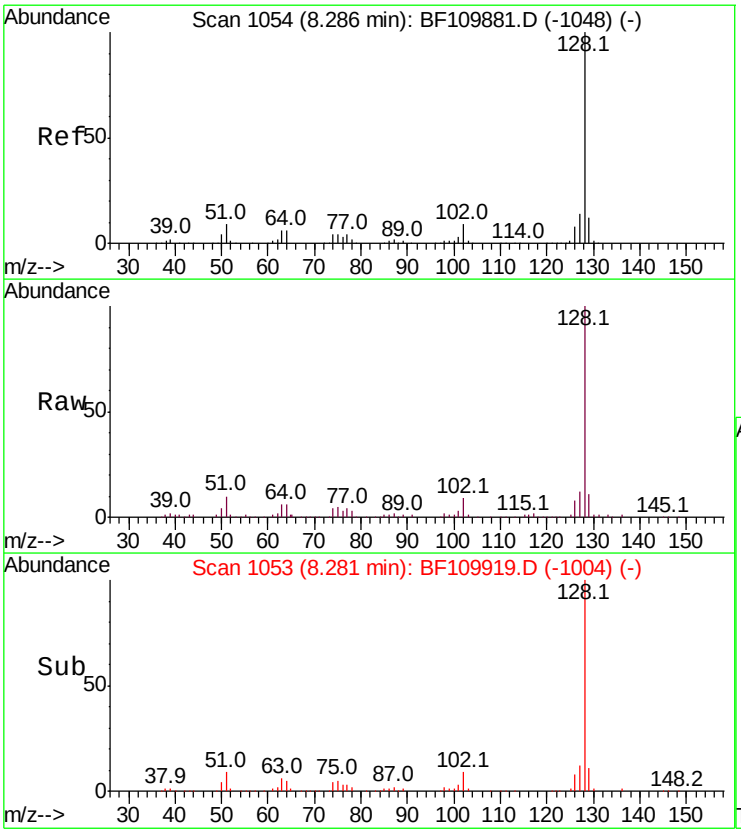
#25
Isophorone
Concen: 36.765 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.26 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 1056603

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#

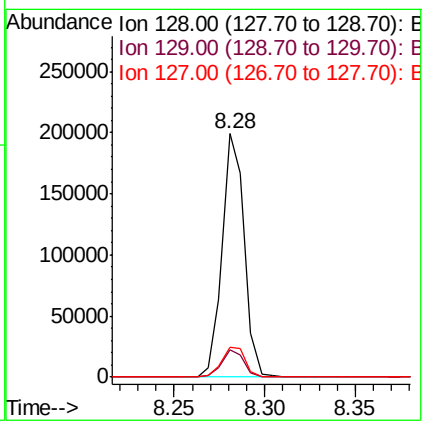


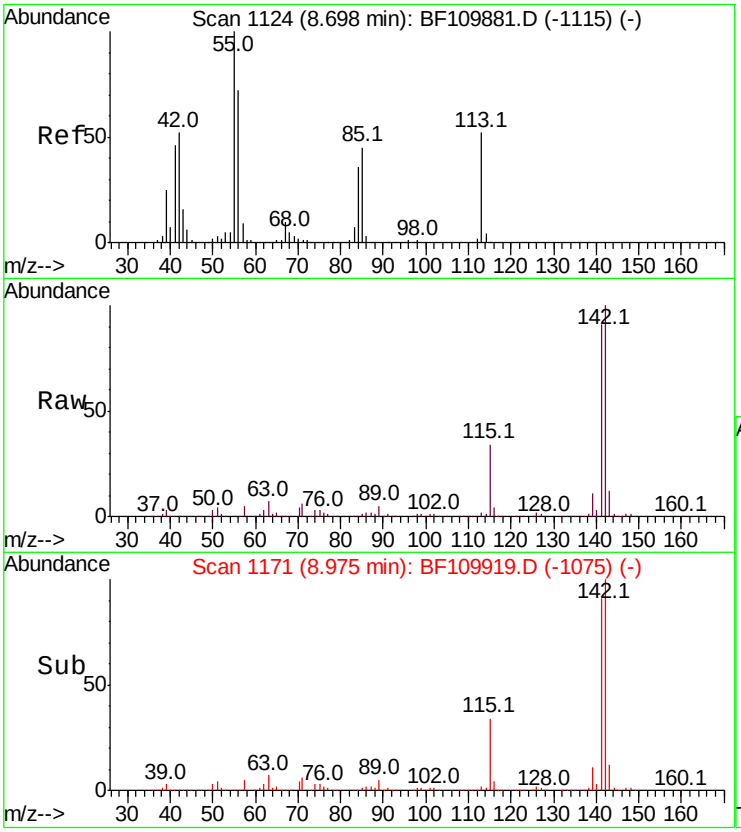


#31
Naphthalene
Concen: 3.743 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:128 Resp: 169127

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	12.4	10.8	16.2



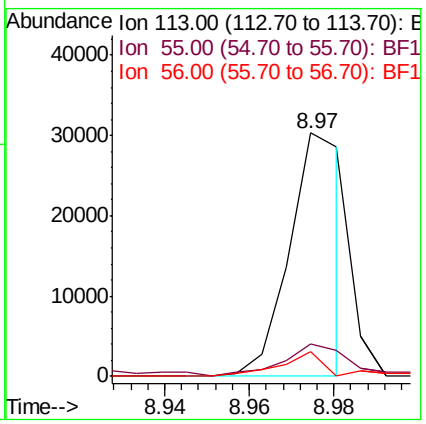


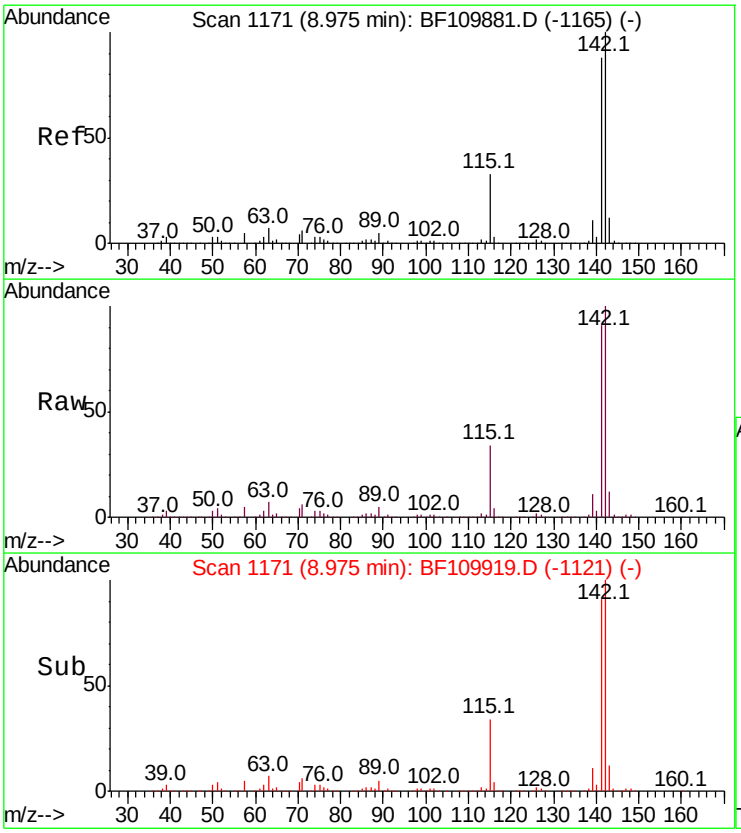
#35
Caprolactam
Concen: 5.593 ng
RT: 8.97 min Scan# 1171
Delta R.T. 0.26 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:113 Resp: 26674

Ion	Ratio	Lower	Upper
113	100		
55	13.3	142.8	182.8#
56	10.1	105.0	145.0#

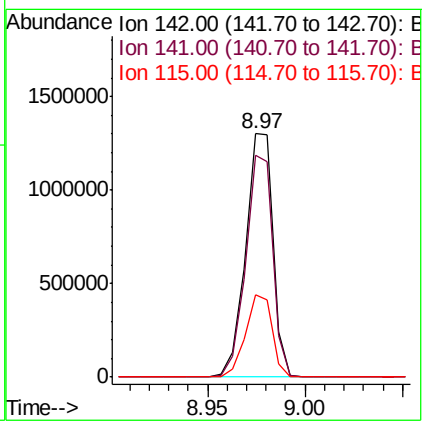


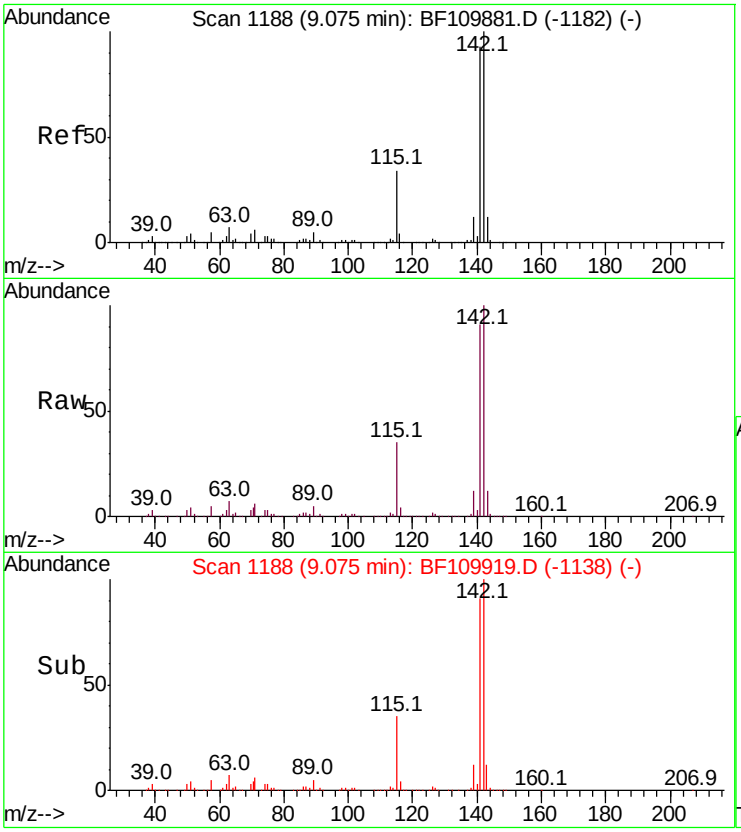


#37
2-Methylnaphthalene
Concen: 43.249 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:142 Resp: 1265314

Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.4	107.2
115	34.0	28.7	43.1

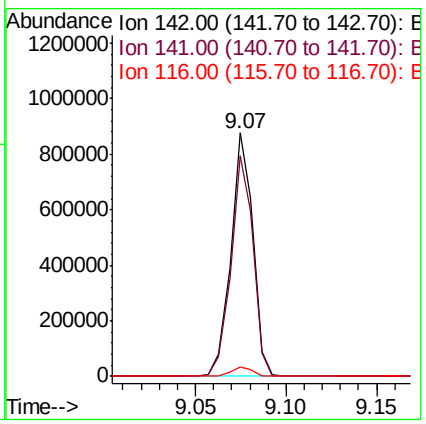




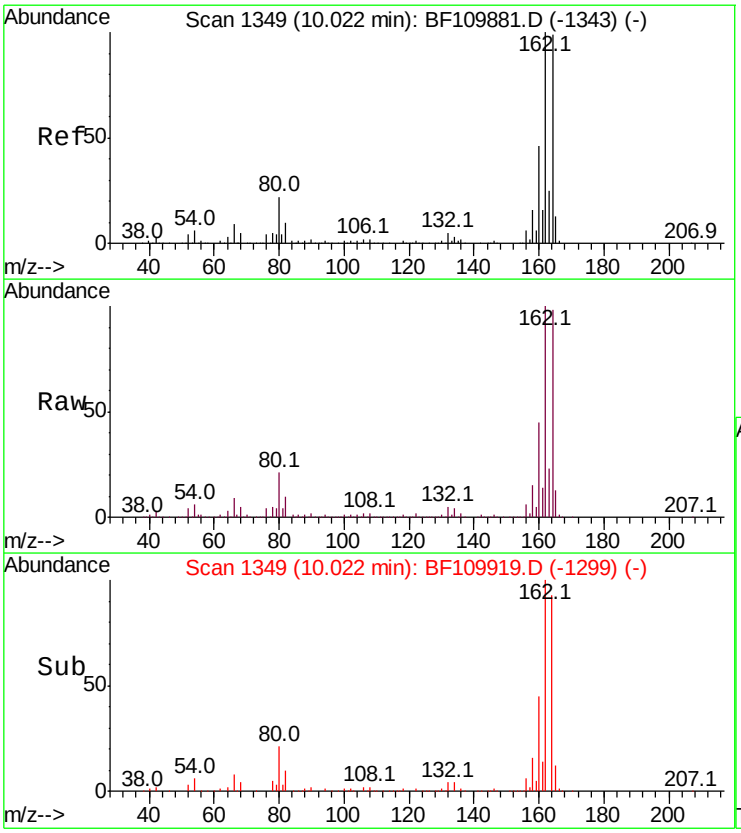
#38
1-Methylnaphthalene
Concen: 26.006 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:142 Resp: 737256

Ion	Ratio	Lower	Upper
142	100		
141	90.5	74.2	111.4
116	3.8	2.6	4.0



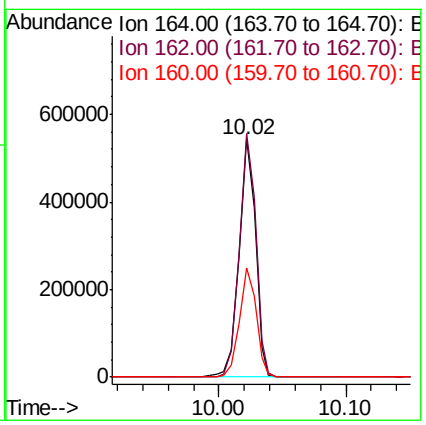
Instrument :
BNA_F
ClientSampleId :

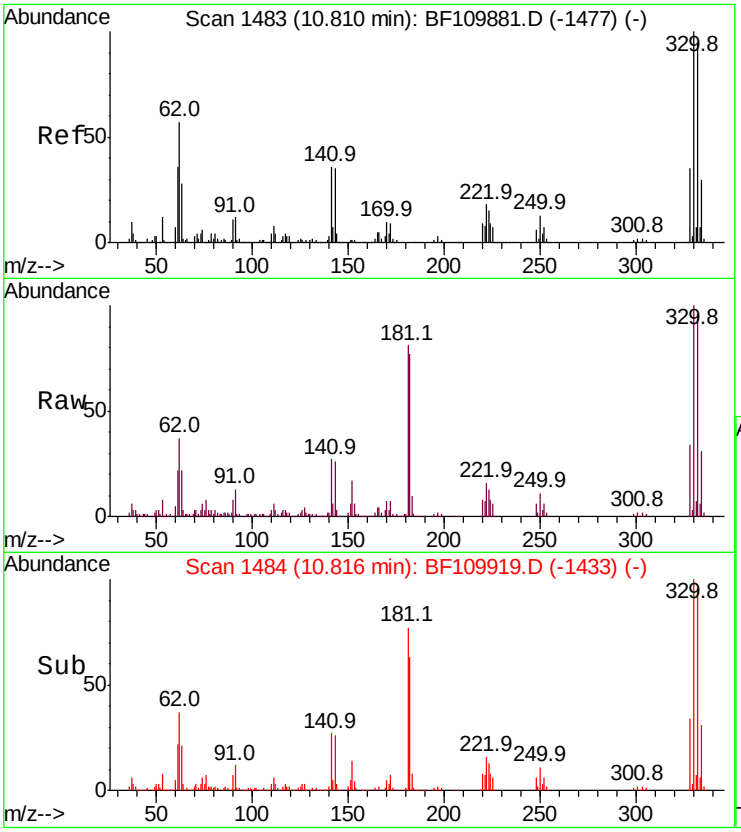


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:164 Resp: 483219

Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.0	124.6
160	46.0	37.0	55.6



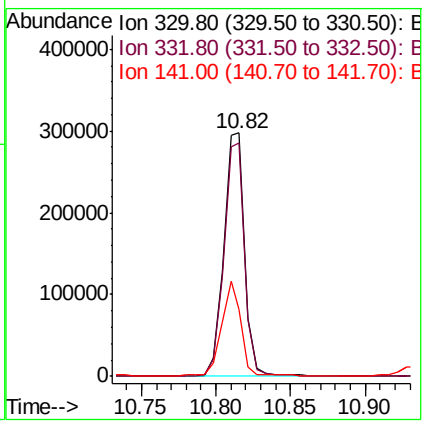


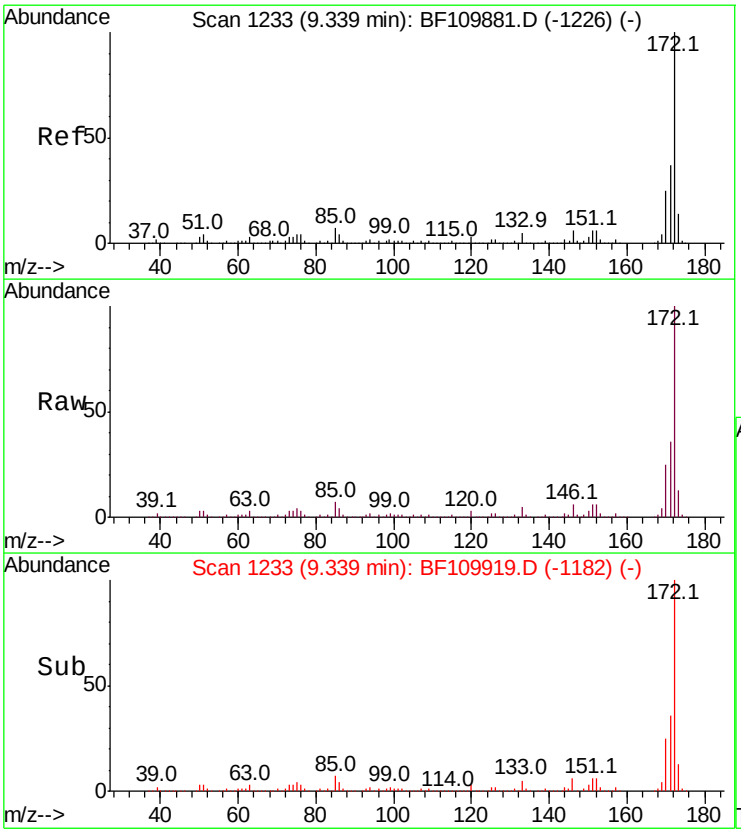
#42
2,4,6-Tribromophenol
Concen: 70.471 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 294823

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.1	115.7
141	36.8	27.0	40.4

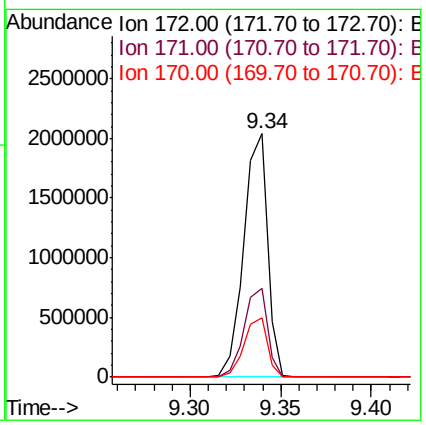


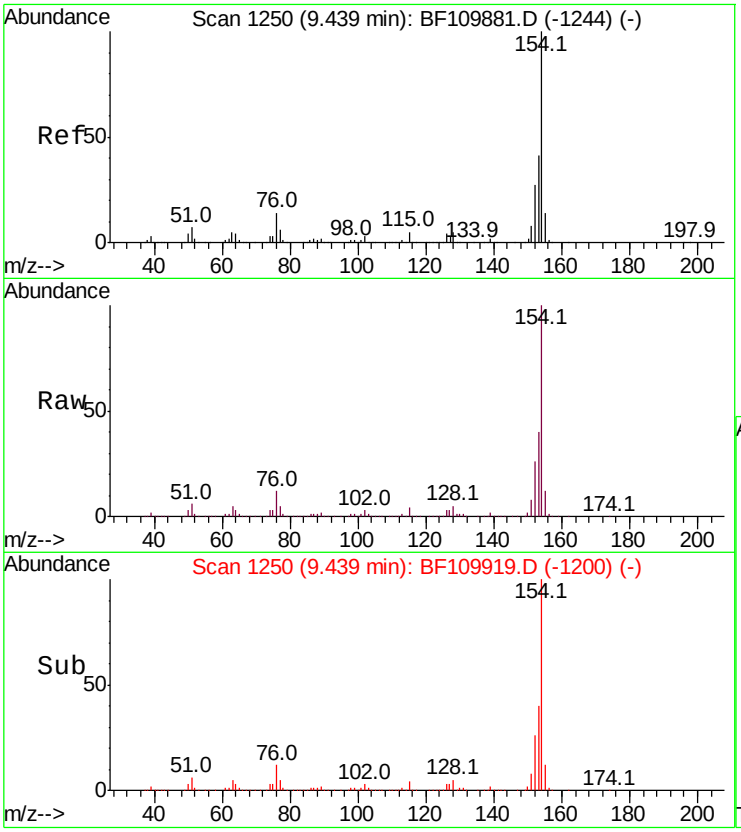


#45
2-Fluorobiphenyl
Concen: 61.475 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:172 Resp: 1861682

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	24.6	19.7	29.5



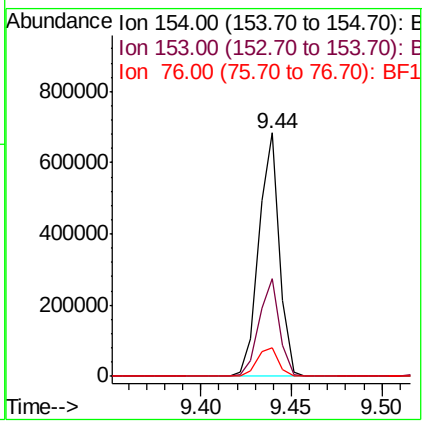


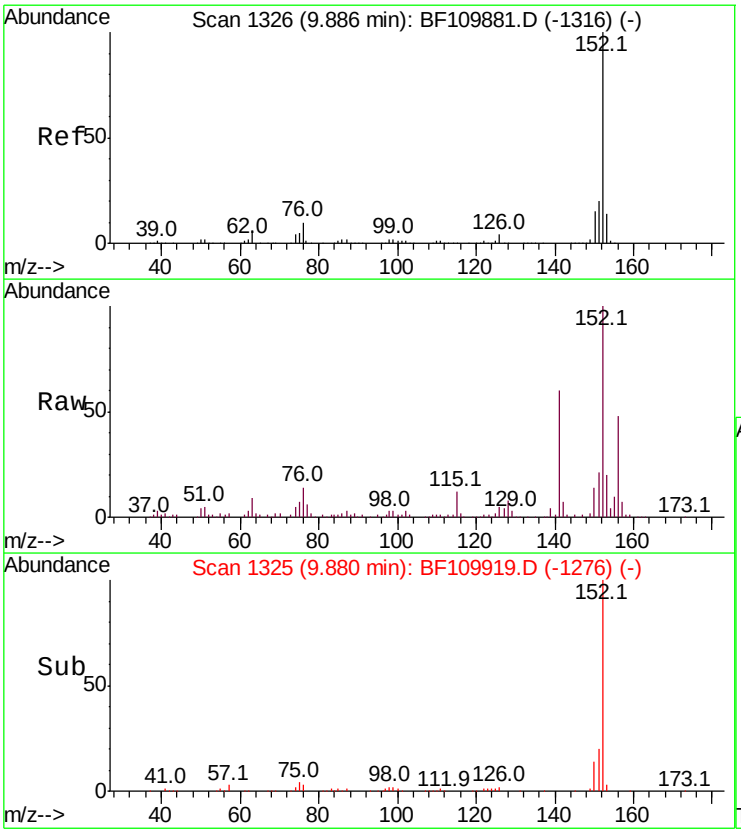
#46
1,1'-Biphenyl
Concen: 12.464 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 536618

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.4	60.4
76	11.9	0.0	31.9

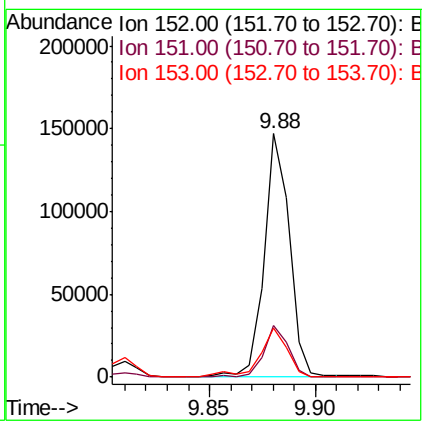


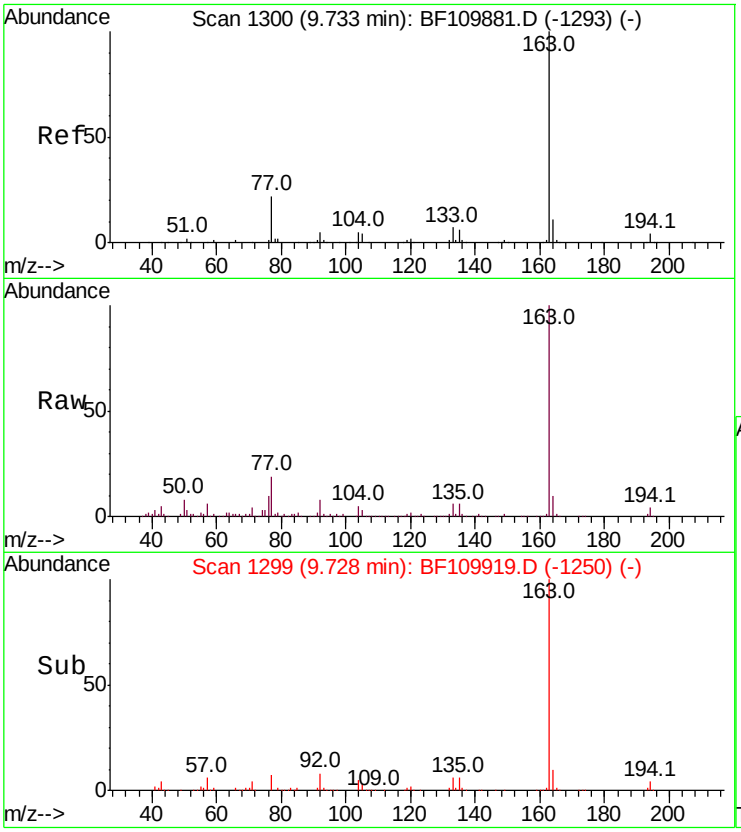


#49
Acenaphthylene
Concen: 2.658 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:152 Resp: 122442

Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.8	23.8
153	20.0	10.4	15.6#

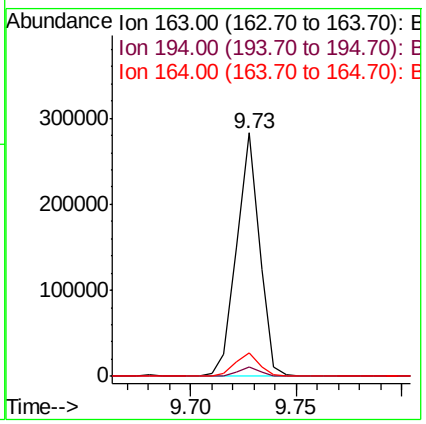




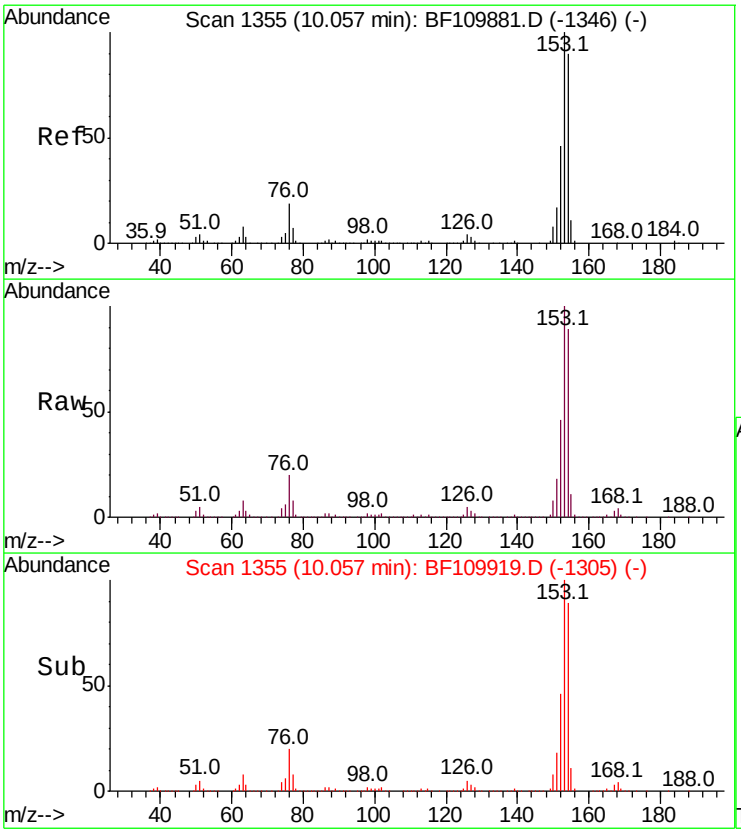
#50
Dimethylphthalate
Concen: 6.191 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:163 Resp: 211825

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	9.7	8.1	12.1



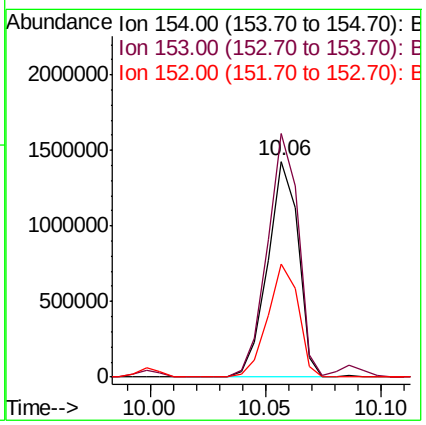
Instrument :
BNA_F
ClientSampleId :

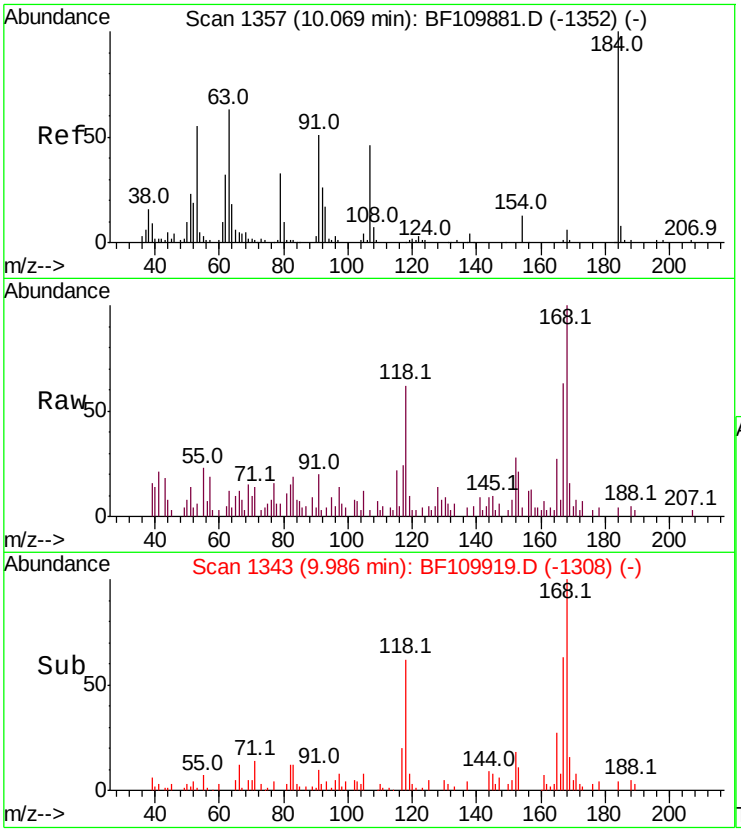


#52
Acenaphthene
Concen: 44.870 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:154 Resp: 1316064

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.1	135.1
152	52.3	43.4	65.2



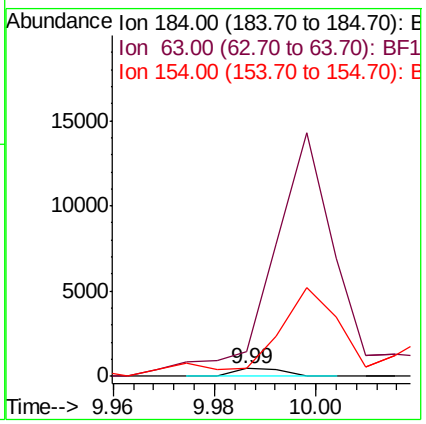


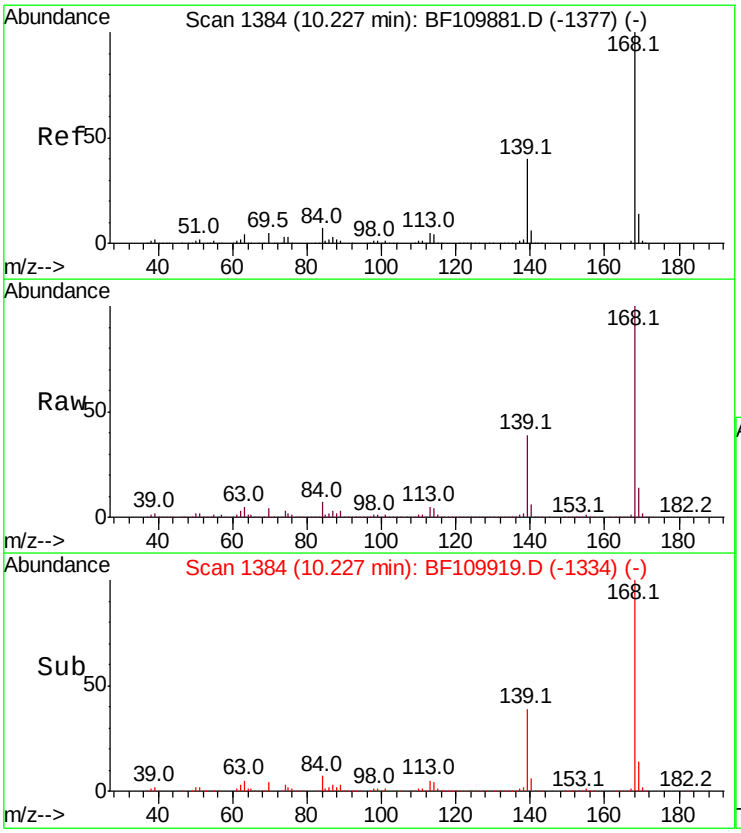
#54
2,4-Dinitrophenol
Concen: 9.042 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.09 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:184 Resp: 309

Ion	Ratio	Lower	Upper
184	100		
63	310.2	55.8	83.6#
154	105.2	63.2	94.8#

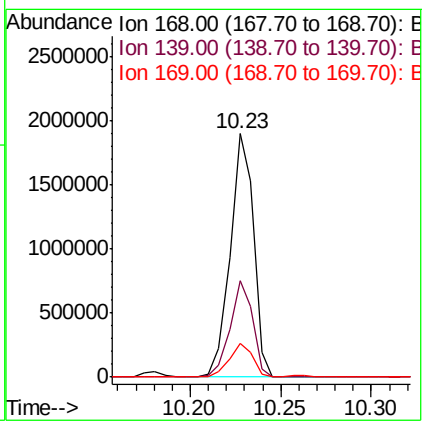


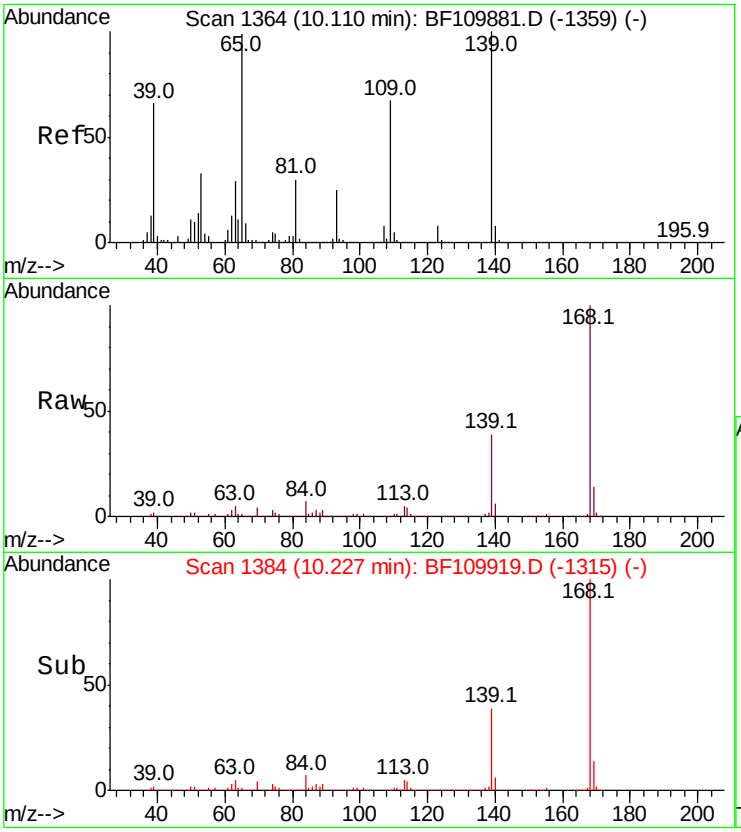


#55
Dibenzofuran
Concen: 40.691 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:168 Resp: 1702082

Ion	Ratio	Lower	Upper
168	100		
139	39.4	33.0	49.6
169	14.1	11.3	16.9



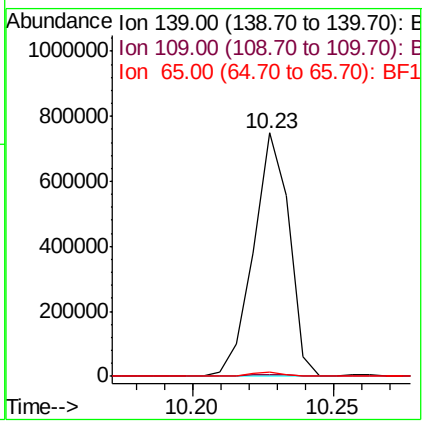


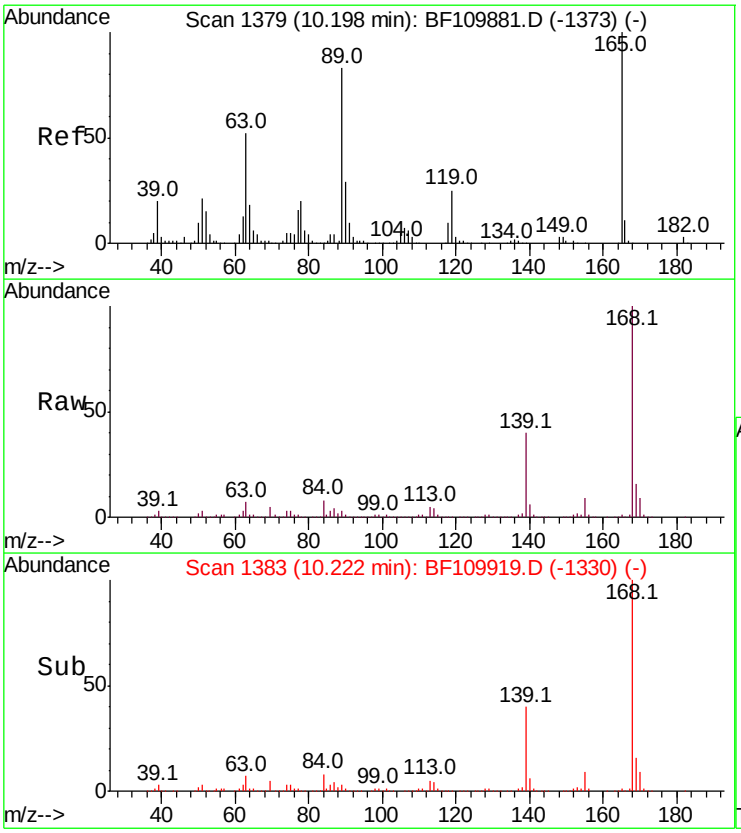
#56
4-Nitrophenol
Concen: 108.571 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.11 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 654904

Ion	Ratio	Lower	Upper
139	100		
109	0.8	55.8	95.8#
65	1.6	77.9	117.9#

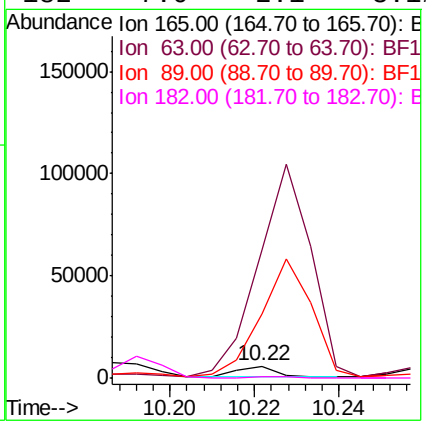


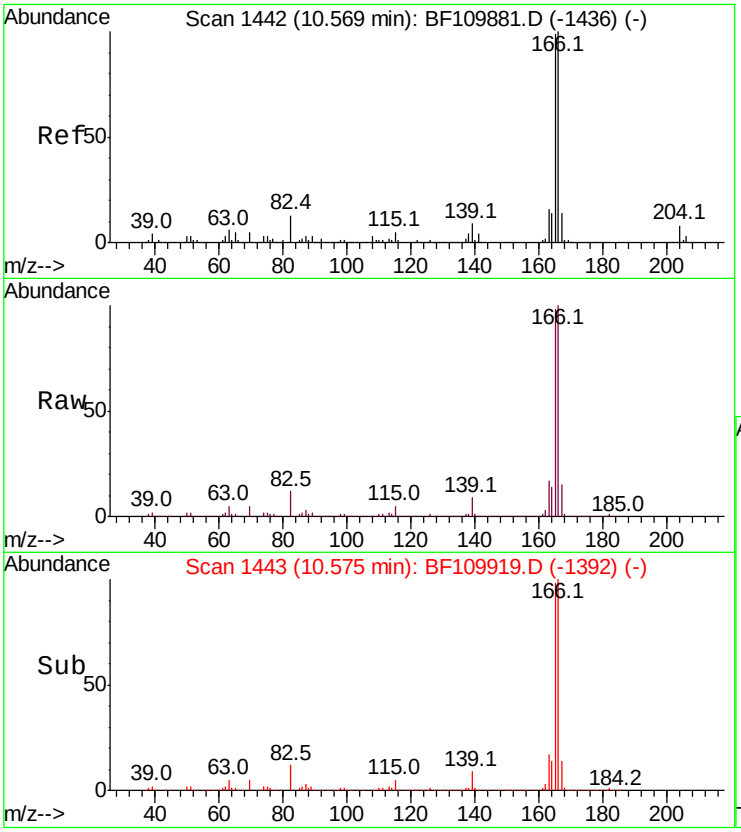


#57
2,4-Dinitrotoluene
Concen: 4.965 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:165 Resp: 3471

Ion	Ratio	Lower	Upper
165	100		
63	1093.5	44.8	67.2#
89	553.1	62.2	93.4#
182	7.0	2.1	3.1#



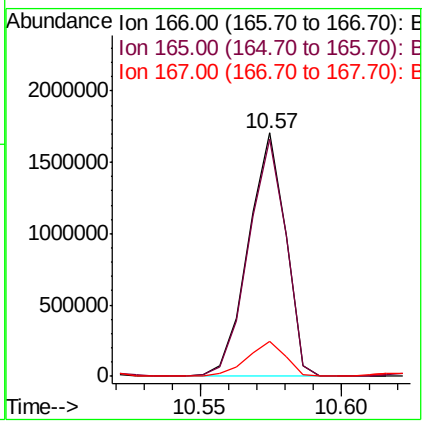


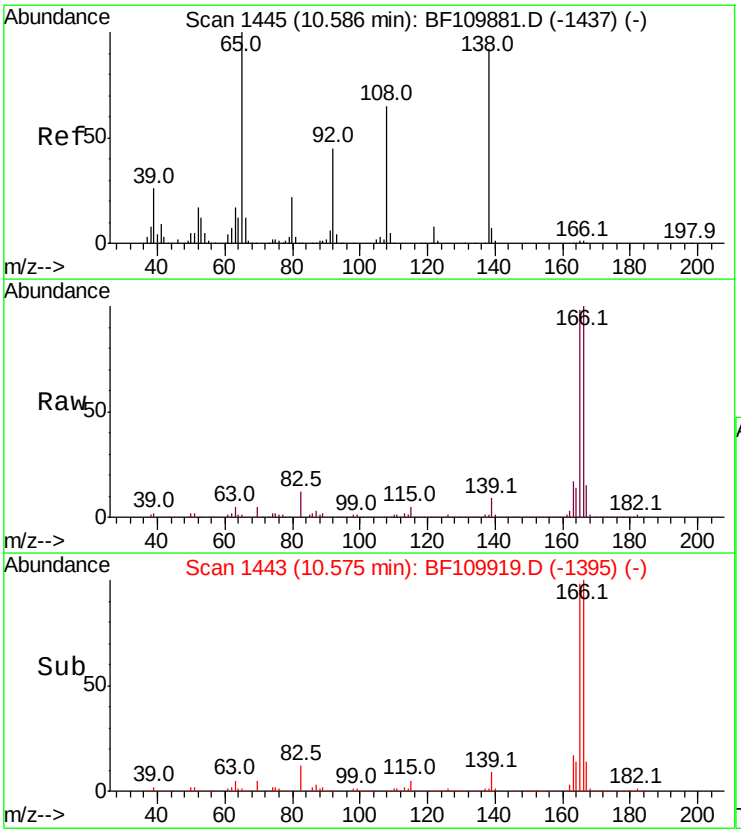
#58
Fluorene
Concen: 50.897 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 1549818

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.6	117.8
167	14.5	10.8	16.2

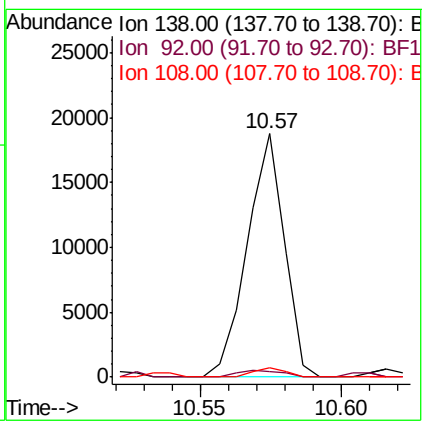


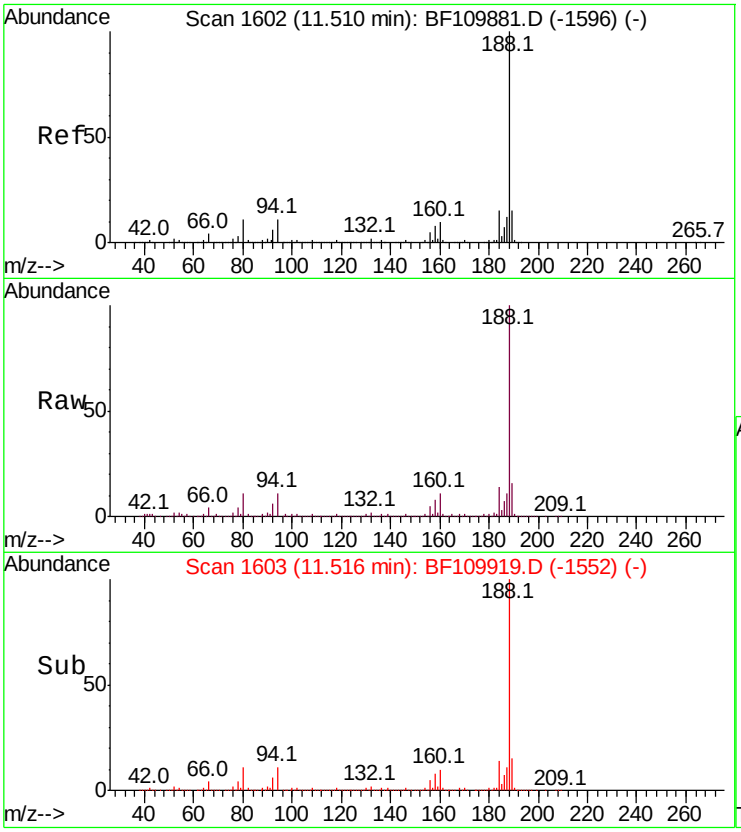


#62
4-Nitroaniline
Concen: 2.280 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.02 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:138 Resp: 17060

Ion	Ratio	Lower	Upper
138	100		
92	2.4	31.7	71.7#
108	4.0	59.3	99.3#



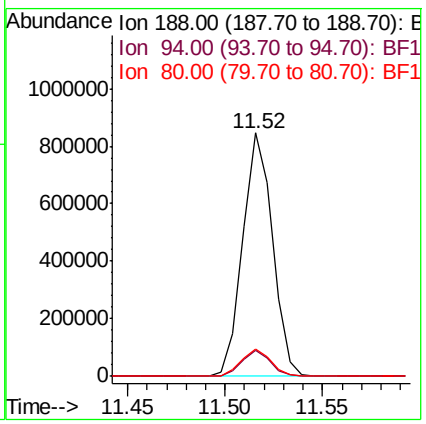


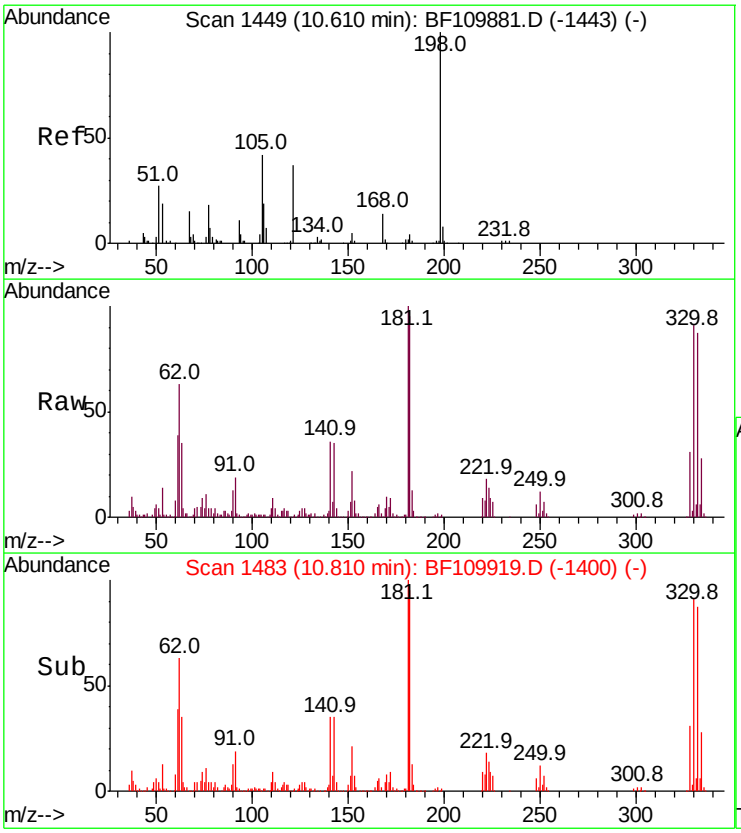
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 893740

Ion	Ratio	Lower	Upper
188	100		
94	10.8	7.2	10.8#
80	11.2	7.9	11.9

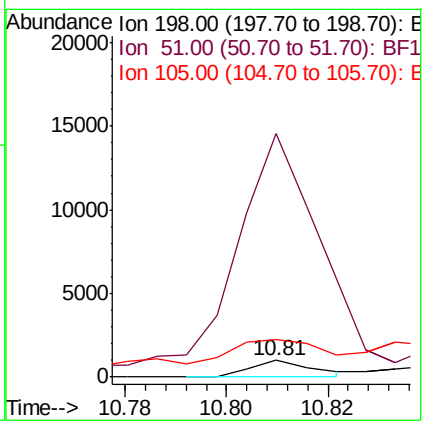


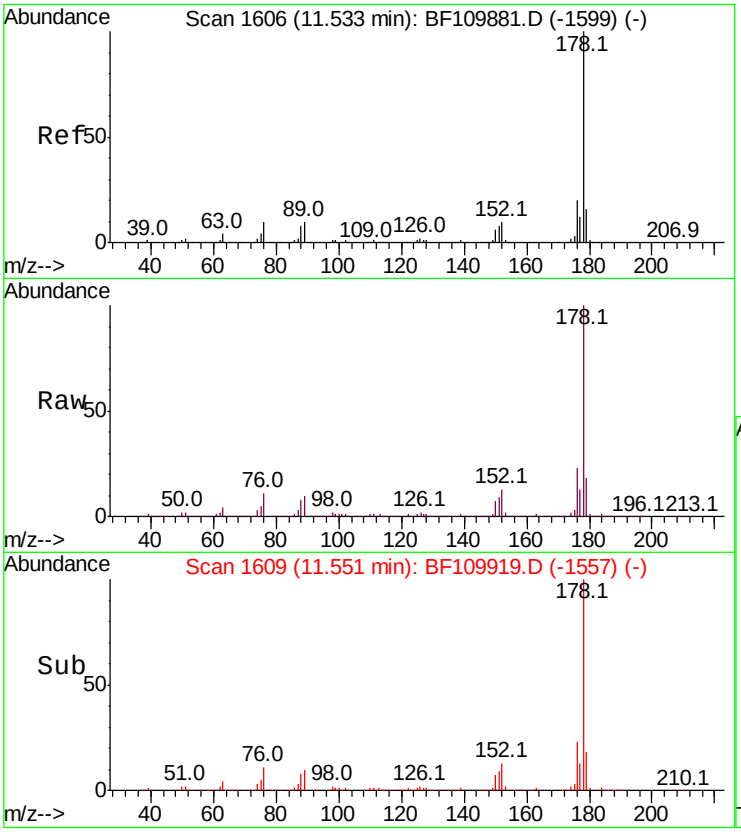


#65
4,6-Dinitro-2-methylphenol
Concen: 8.125 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.19 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:198 Resp: 854

Ion	Ratio	Lower	Upper
198	100		
51	1442.3	22.8	62.8#
105	221.5	23.6	63.6#



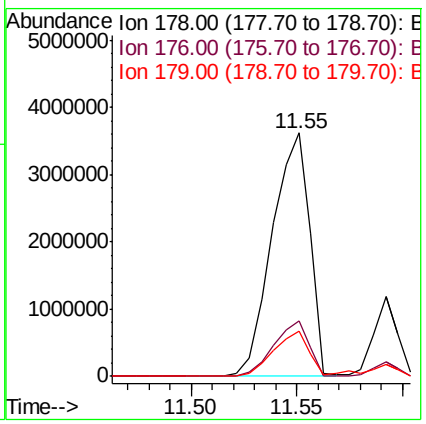


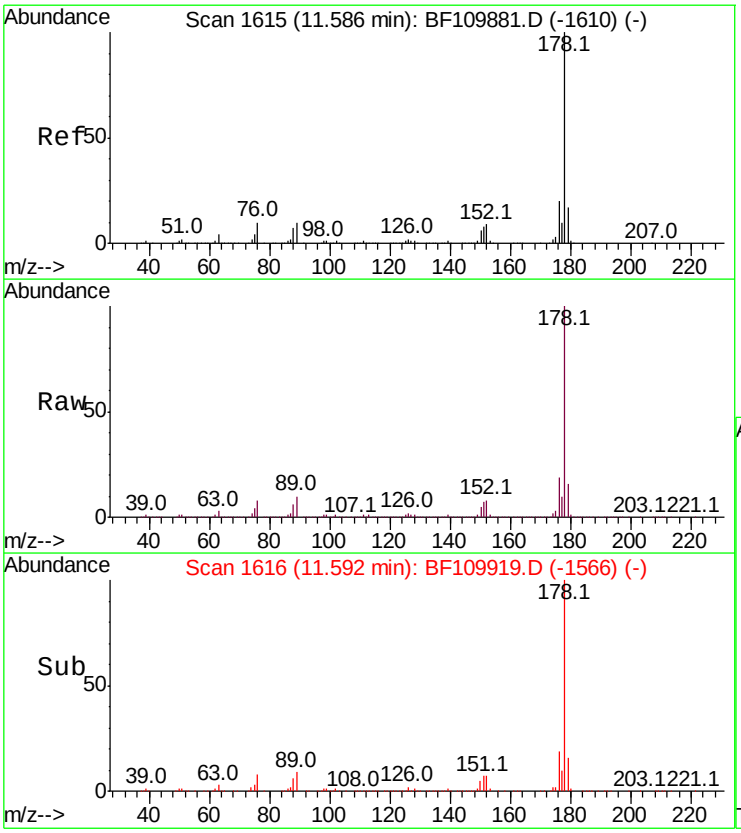
#71
Phenanthrene
Concen: 97.081 ng
RT: 11.55 min Scan# 1609
Delta R.T. 0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 4491906

Ion	Ratio	Lower	Upper
178	100		
176	23.0	15.5	23.3
179	18.5	12.5	18.7

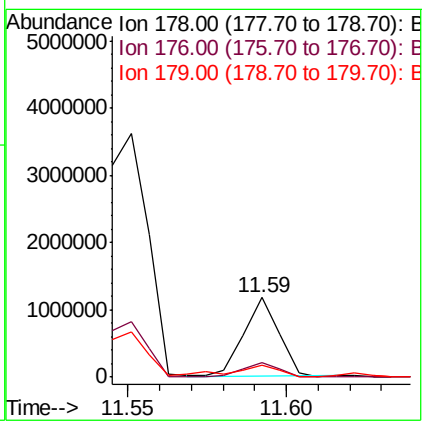


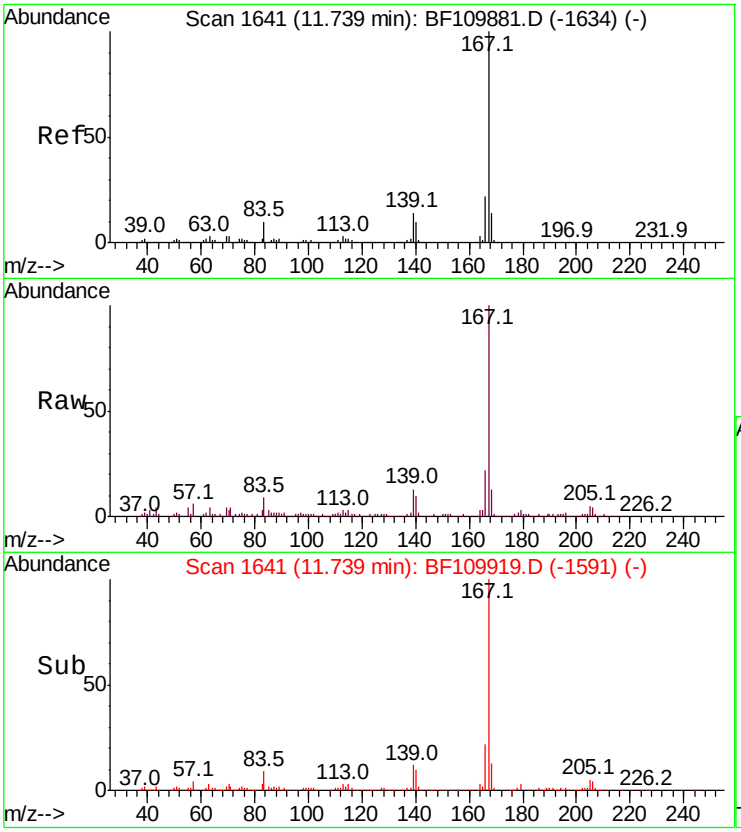


#72
Anthracene
Concen: 19.414 ng
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:178 Resp: 903114

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.7	12.6	18.8



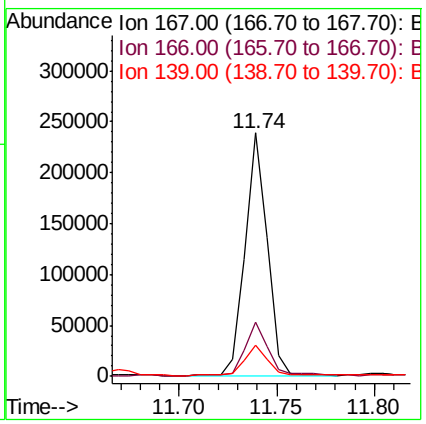


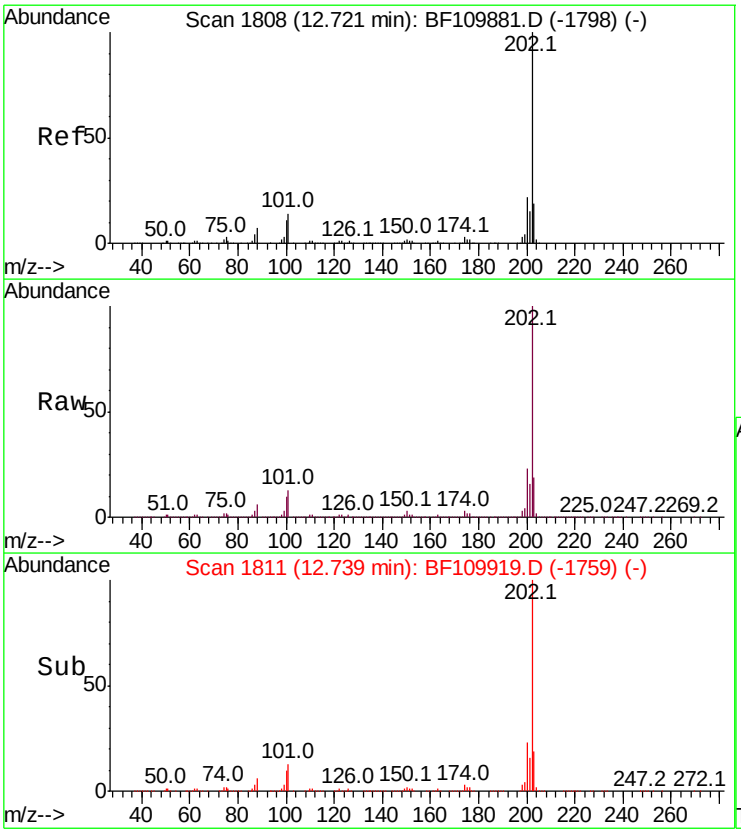
#73
Carbazole
Concen: 4.080 ng
RT: 11.74 min Scan# 1641
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 186530

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.4	26.0
139	12.8	10.9	16.3

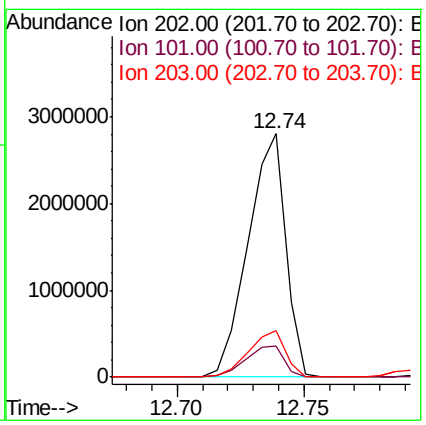


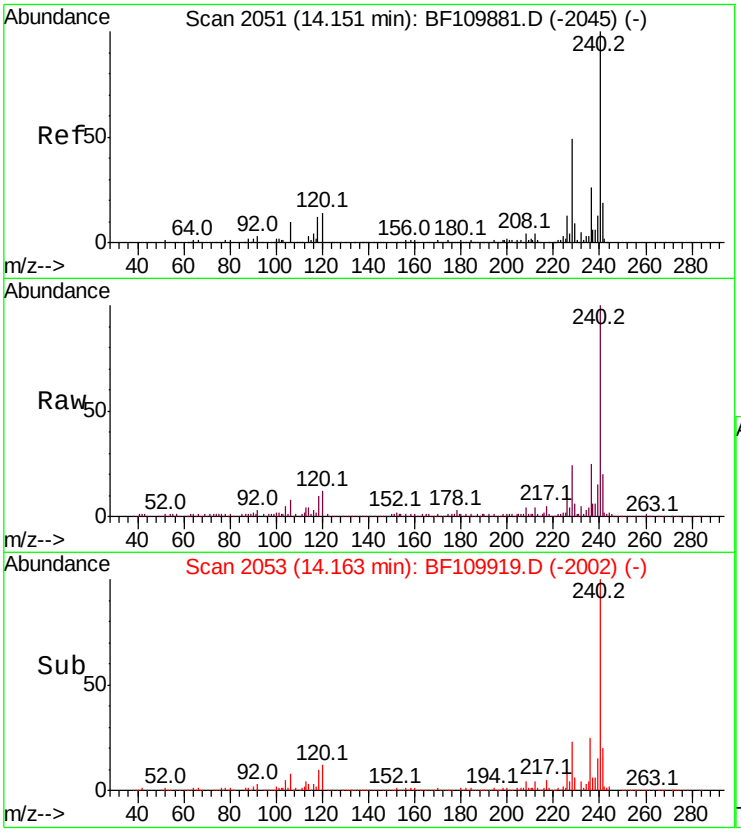


#75
Fluoranthene
Concen: 62.784 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:202 Resp: 2902048

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	31.4
203	19.2	0.0	37.7



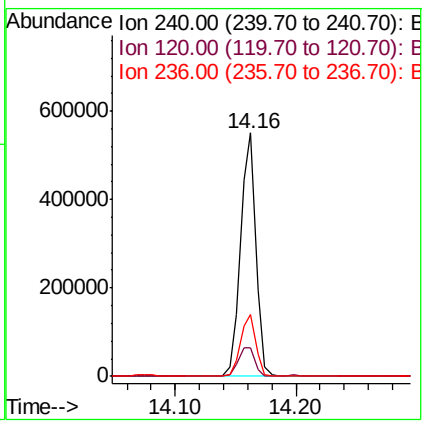


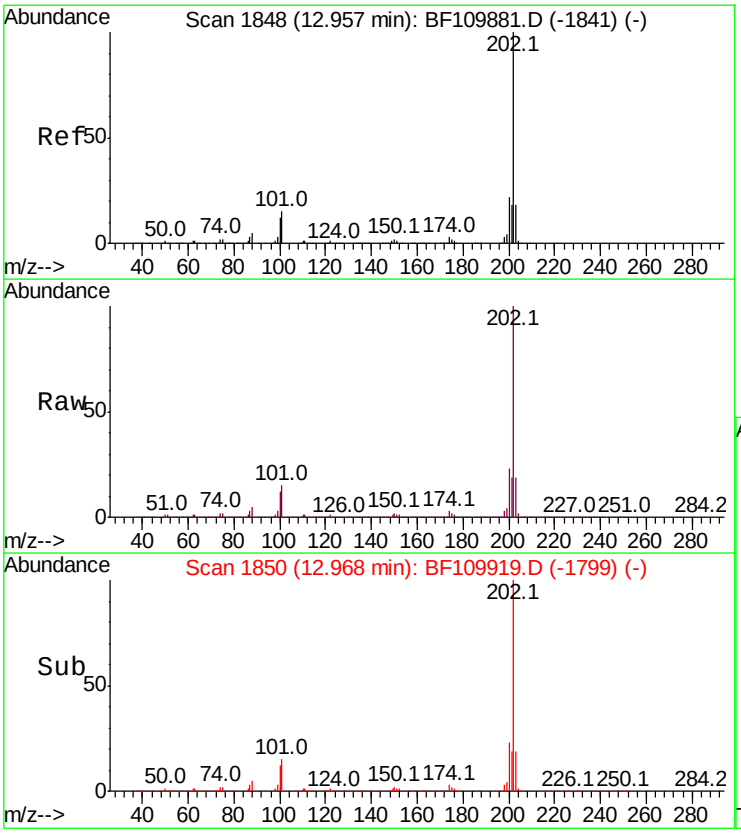
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 486240

Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.3	12.5
236	25.4	21.2	31.8

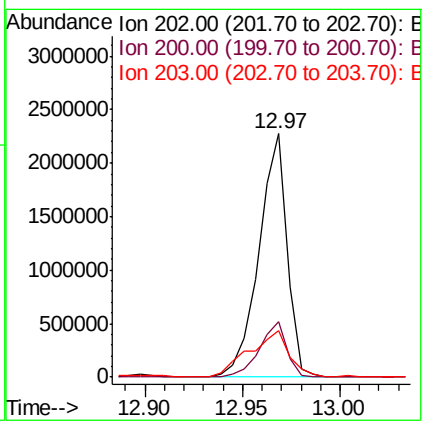


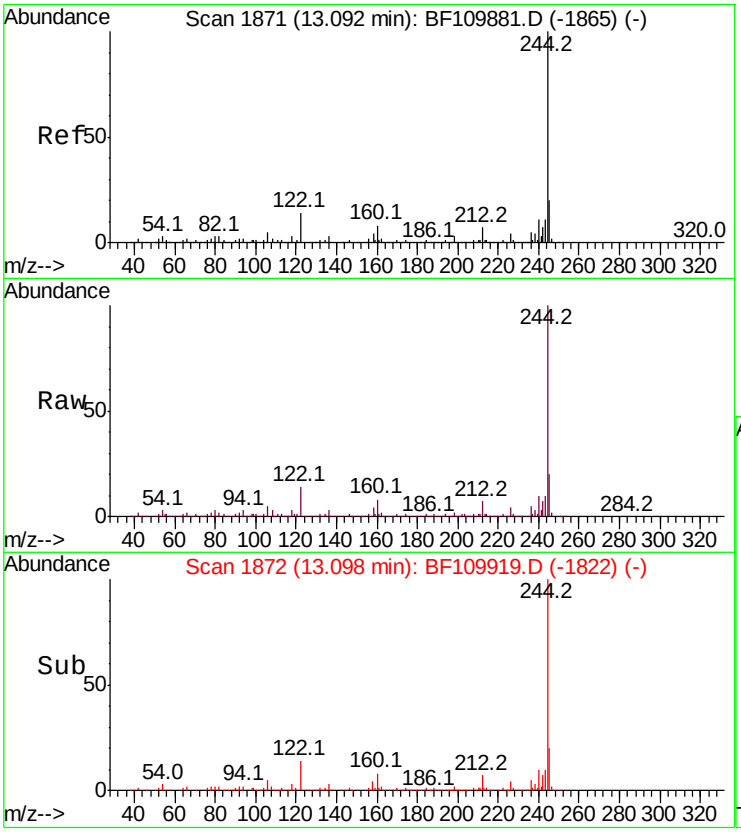


#78
Pyrene
Concen: 63.582 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:202 Resp: 2270704

Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.8	26.6
203	19.3	14.2	21.4



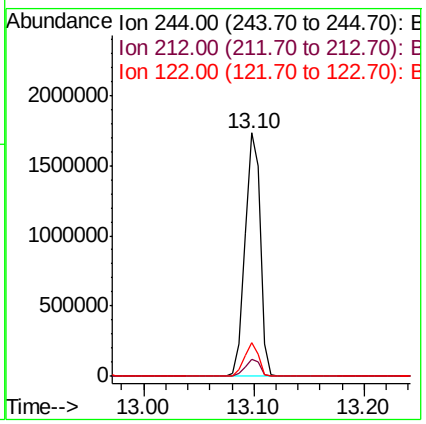


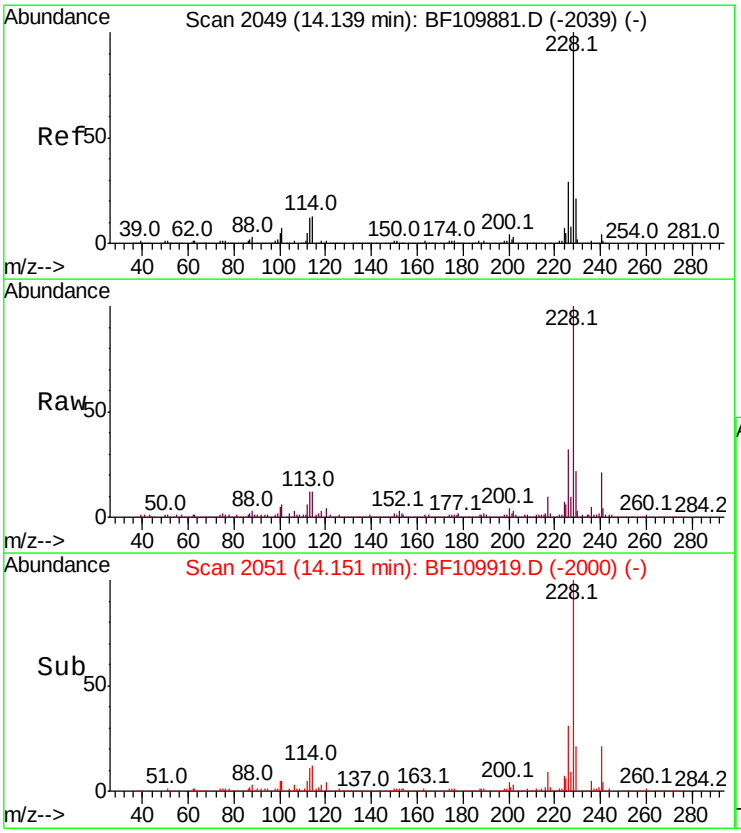
#79
Terphenyl-d14
Concen: 72.346 ng
RT: 13.10 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 1675178

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	13.6	8.7	13.1#

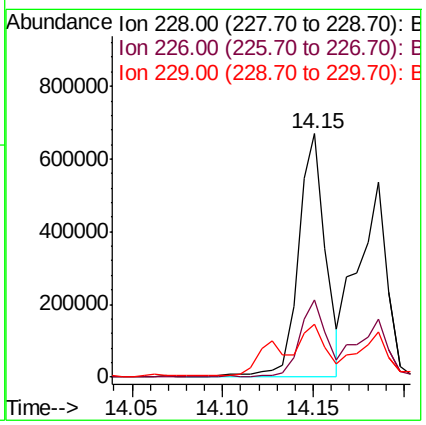


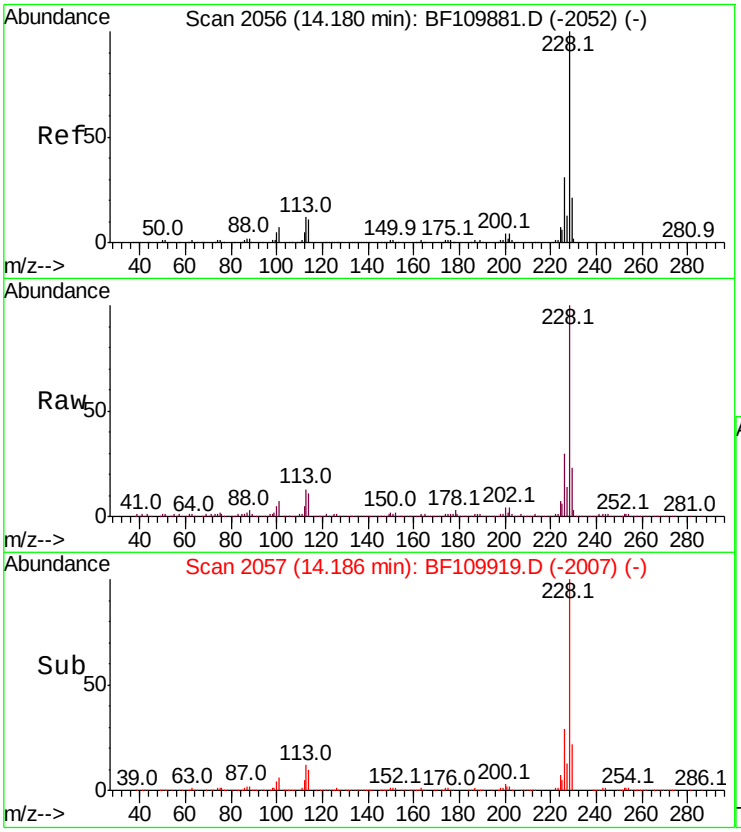


#81
Benzo(a)anthracene
Concen: 24.296 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:228 Resp: 695870

Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.1	33.1
229	21.6	15.6	23.4



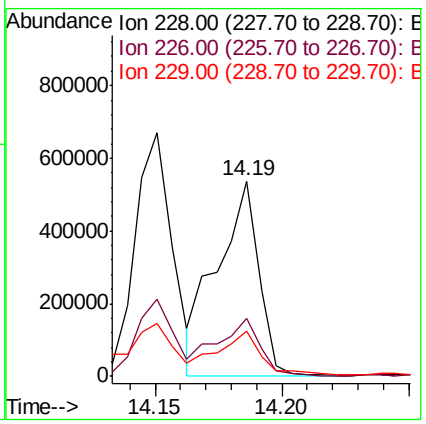


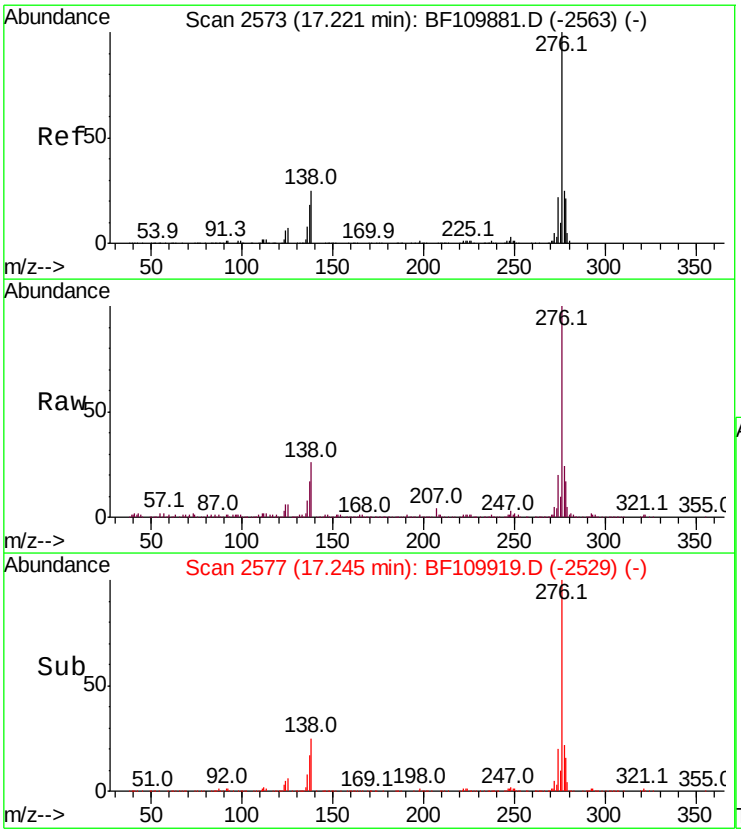
#83
Chrysene
Concen: 22.361 ng
RT: 14.19 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 609596

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.7	37.1
229	23.1	15.9	23.9

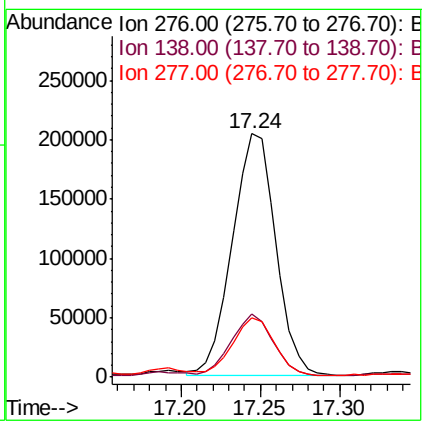


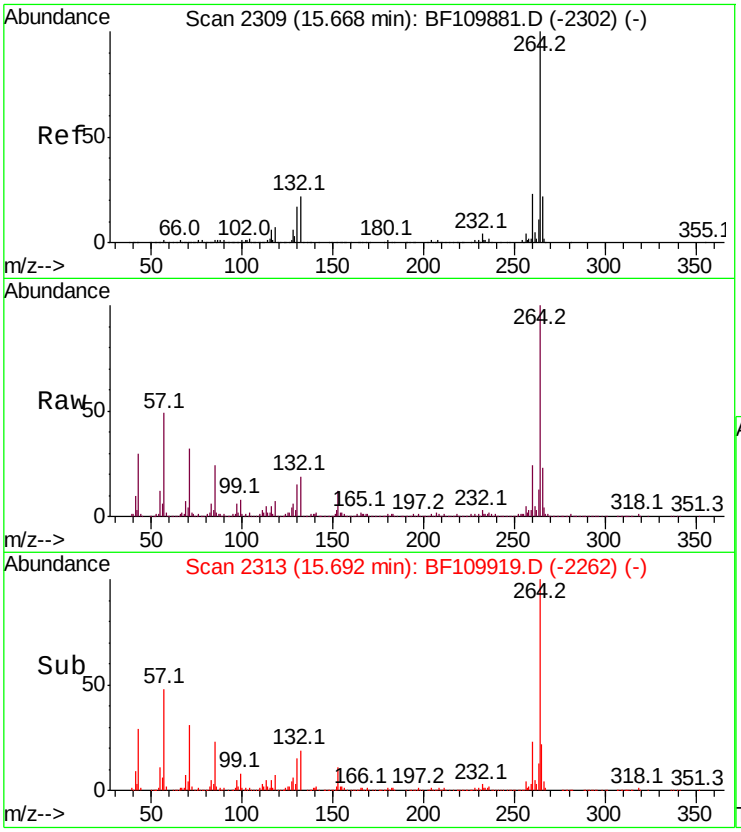


#86
Indeno(1,2,3-cd)pyrene
Concen: 17.720 ng
RT: 17.24 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:276 Resp: 388943

Ion	Ratio	Lower	Upper
276	100		
138	24.3	18.5	27.7
277	23.3	20.0	30.0



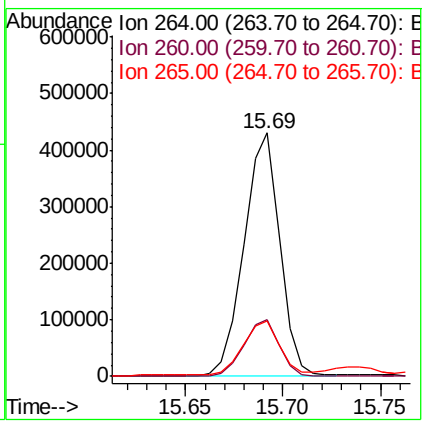


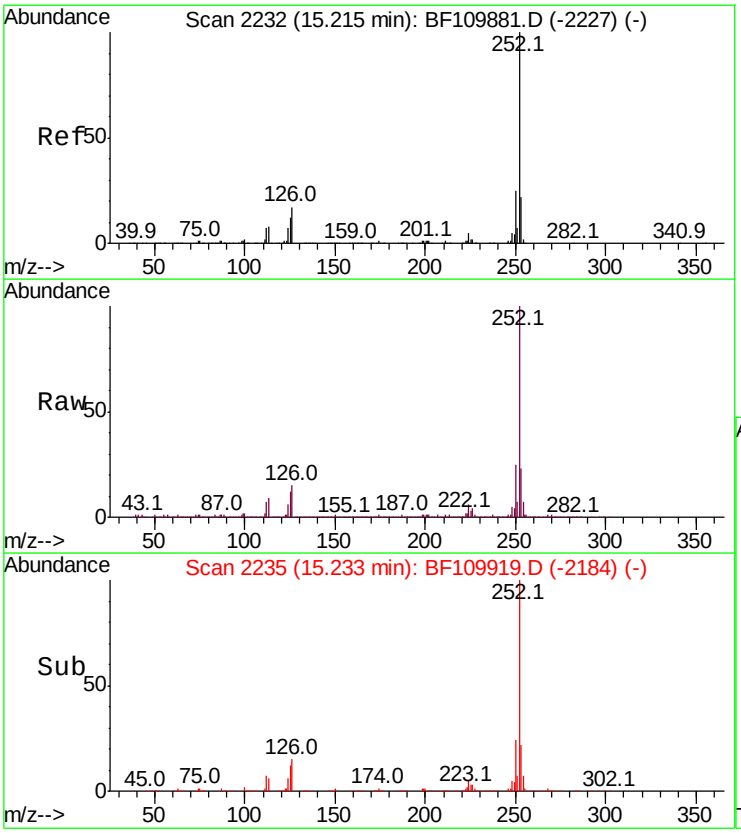
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 542702

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.5	16.7	25.1

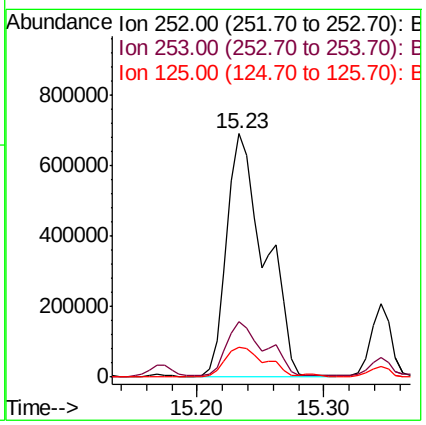


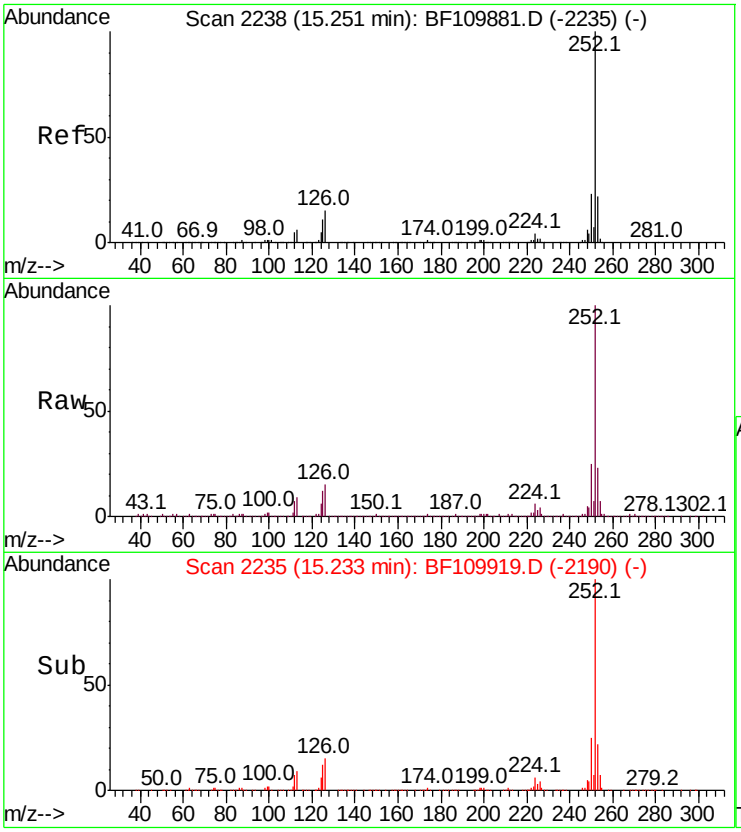


#88
Benzo(b)fluoranthene
Concen: 45.737 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:252 Resp: 1431024

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	12.5	8.2	12.4#



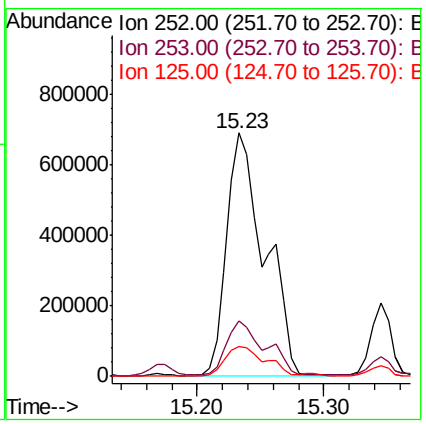


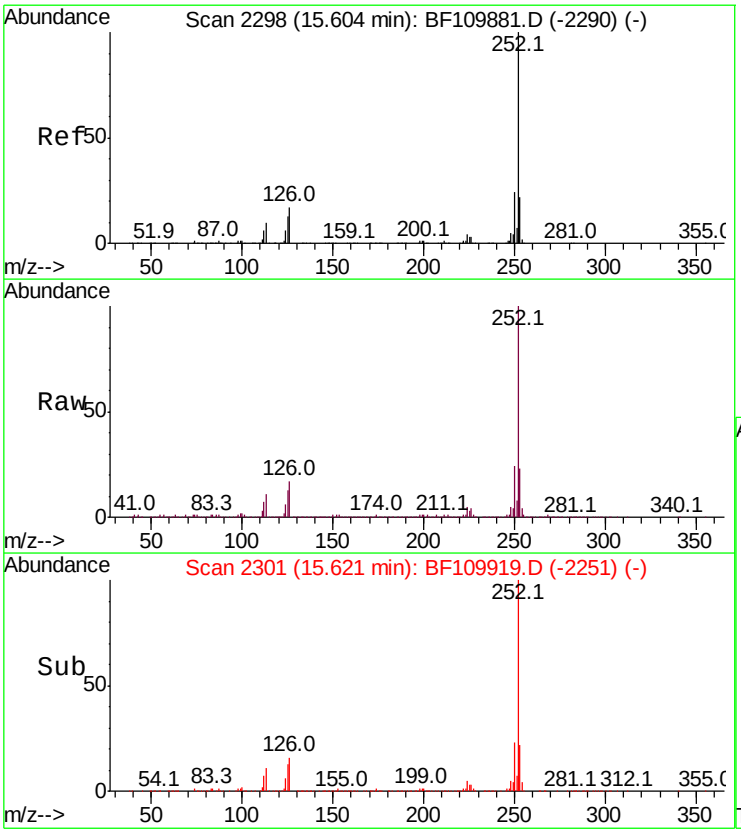
#89
Benzo(k)fluoranthene
Concen: 46.403 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.04 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1431024

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	12.5	7.4	11.0#

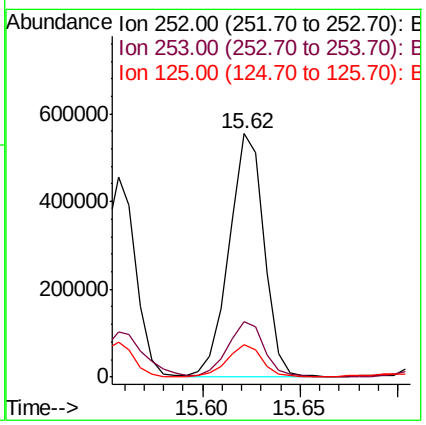


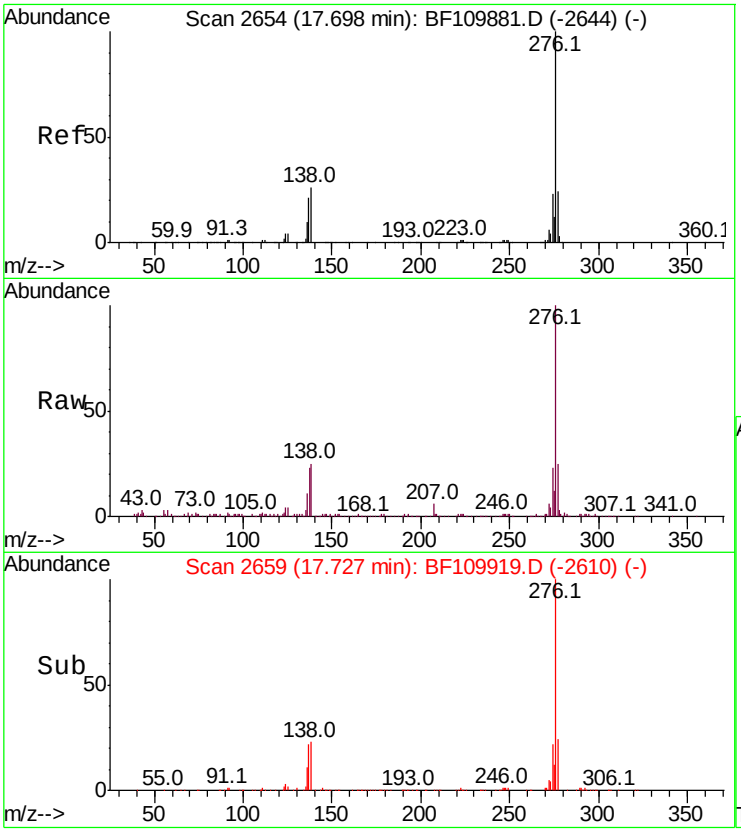


#90
Benzo(a)pyrene
Concen: 23.743 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:252 Resp: 683238

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	13.1	9.0	13.6





#92
Benzo(g,h,i)perylene
Concen: 12.655 ng
RT: 17.73 min Scan# 2659
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 326077

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.8	28.2
138	25.0	16.0	24.0#