Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jul 26 02:05:09 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	200102	20.00	ng		-0.01
21) Naphthalene-d8	8.26	136	700278	20.00	ng		0.00
38) Acenaphthene-d10	10.01	164	320310	20.00	ng		0.00
63) Phenanthrene-d10	11.51	188	530479	20.00	ng		0.00
75) Chrysene-d12	14.17	240	375086	20.00	ng		0.00
86) Perylene-d12	15.70	264	386106	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.60	112	84136	6.76	ng		-0.01
7) Phenol-d6	6.60	99	142706	9.55	ng		-0.01
23) Nitrobenzene-d5	7.53	82	79126	7.63	ng		-0.02
41) 2,4,6-Tribromophenol	10.81	330	32351	8.88	ng		-0.01
44) 2-Fluorobiphenyl	9.32	172	171380	3.35	ng		-0.02
78) Terphenyl-d14	13.09	244	143923	9.82	ng		-0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.52	77	16255	Below Cal		#	1
31) Naphthalene	8.30	128	7472357	242.655	ng	#	87
32) Benzoic acid	8.02	122	972	8.022	ng	#	1
33) 4-Chloroaniline	8.30	127	1219612	90.613	ng	#	33
37) 2-Methylnaphthalene	8.97	142	2696001	126.341	ng		95
45) 1,1'-Biphenyl	9.42	154	803184	28.785	ng		96
47) 2-Nitroaniline	9.60	65	13743	2.210	ng	#	18
48) Acenaphthylene	9.87	152	1153991	36.018	ng	#	95
51) Acenaphthene	10.05	154	1701080	84.740	ng		99
53) 2,4-Dinitrophenol	10.18	184	282	8.453	ng	#	1
54) Dibenzofuran	10.22	168	2082034	70.450	ng		95
55) 4-Nitrophenol	10.22	139	819421	187.701	ng	#	10
56) 2,4-Dinitrotoluene	10.32	165	43238	7.474	ng	#	60
57) Fluorene	10.57	166	2002531	94.980	ng		96
61) 4-Nitroaniline	10.57	138	21003	4.287	ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.64	198	243	8.758	ng	#	1
70) Phenanthrene	11.59	178	2112715	81.729	ng		99
71) Anthracene	11.59	178	2112715	81.172	ng		98
72) Carbazole	11.74	167	201179	7.433	ng		98
73) Di-n-butylphthalate	12.04	149	3704	Below Cal		#	1
74) Fluoranthene	12.74	202	3782275	136.350	ng		95
77) Pyrene	12.82	202	848699	33.080	ng		97
80) Benzo(a)anthracene	14.15	228	1768575	80.460	ng	#	85
81) 3,3'-Dichlorobenzidine	14.12	252	870	Below Cal		#	35
82) Chrysene	14.19	228	1262276	59.782	ng	#	94
85) Indeno(1,2,3-cd)pyrene	17.11	276	95729	5.349	ng		93
87) Benzo(b)fluoranthene	15.24	252	1881869	89.057	ng		97
88) Benzo(k)fluoranthene	15.24	252	1881869	90.900	ng		98
89) Benzo(a)pyrene	15.64	252	1115004	57.685	ng		95
90) Dibenzo(a,h)anthracene	17.47	278	142777	8.545	ng		93
91) Benzo(g,h,i)perylene	17.76	276	442364	26.840	ng	#	92

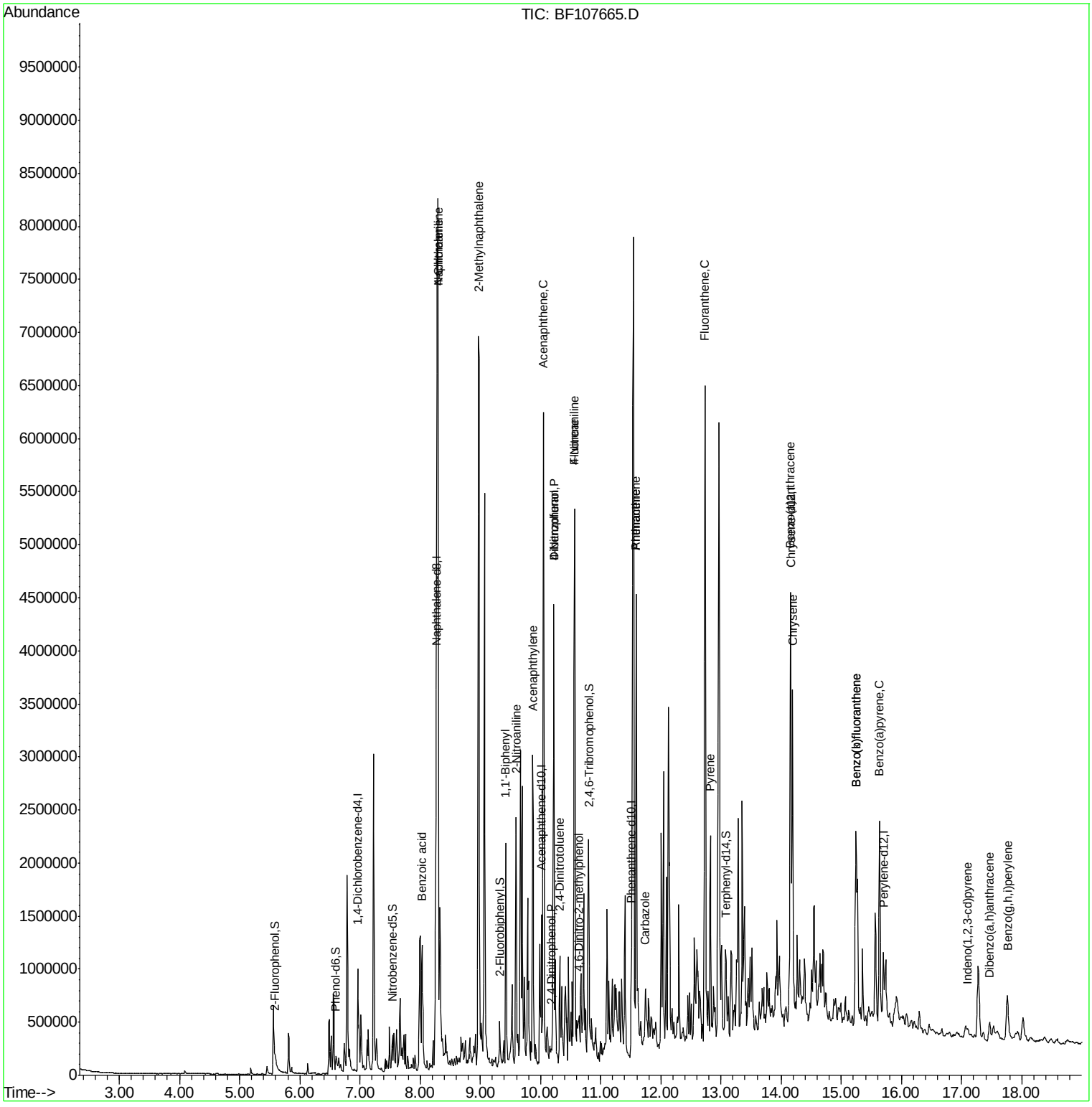
(#) = qualifier out of range (m) = manual integration (+) = signals summed

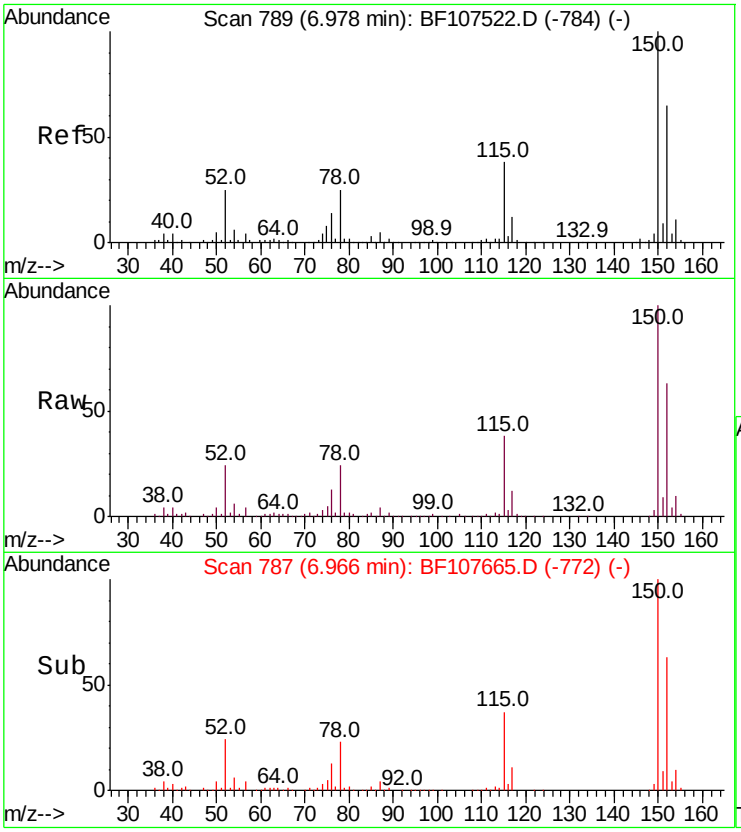
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107665.D
Acq On : 25 Jul 2018 18:56
Operator : JU/SJ
Sample : J4144-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 26 02:05:09 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration



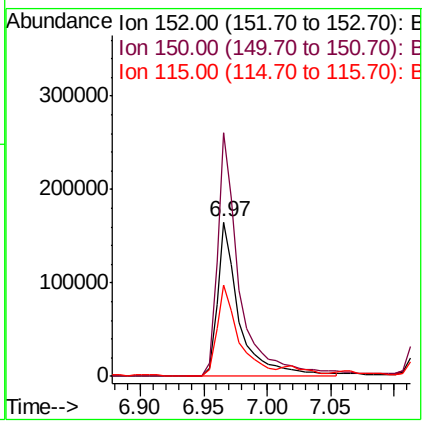


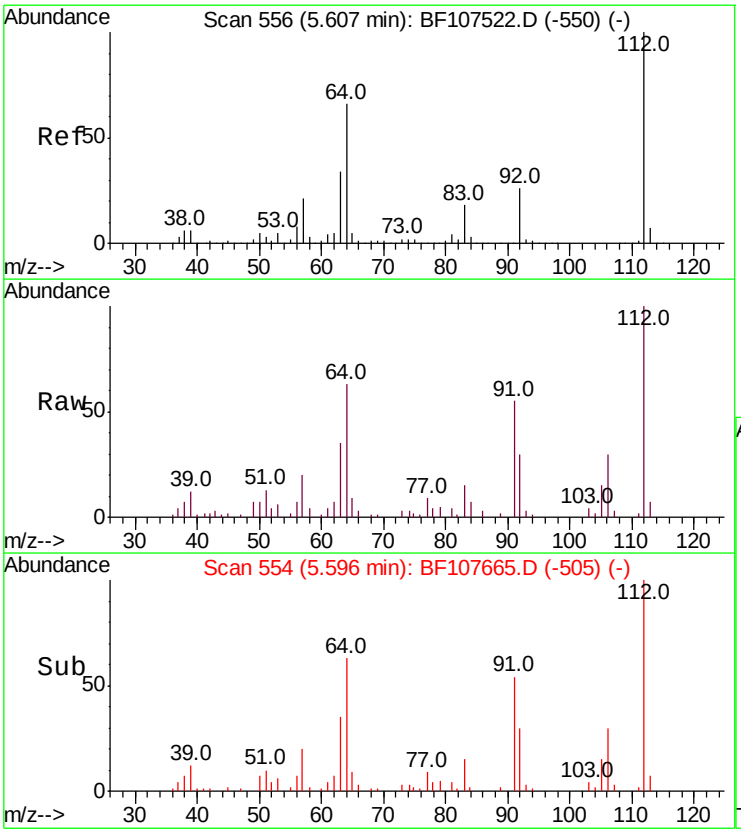
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 200102

Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	59.5	50.1	75.1

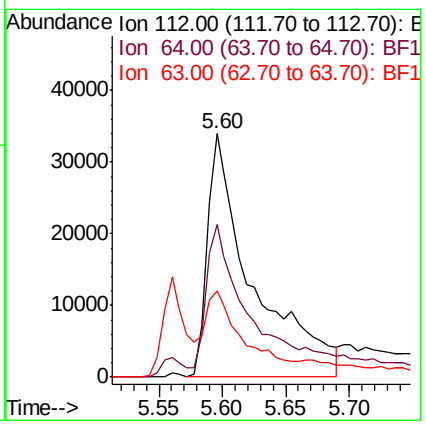


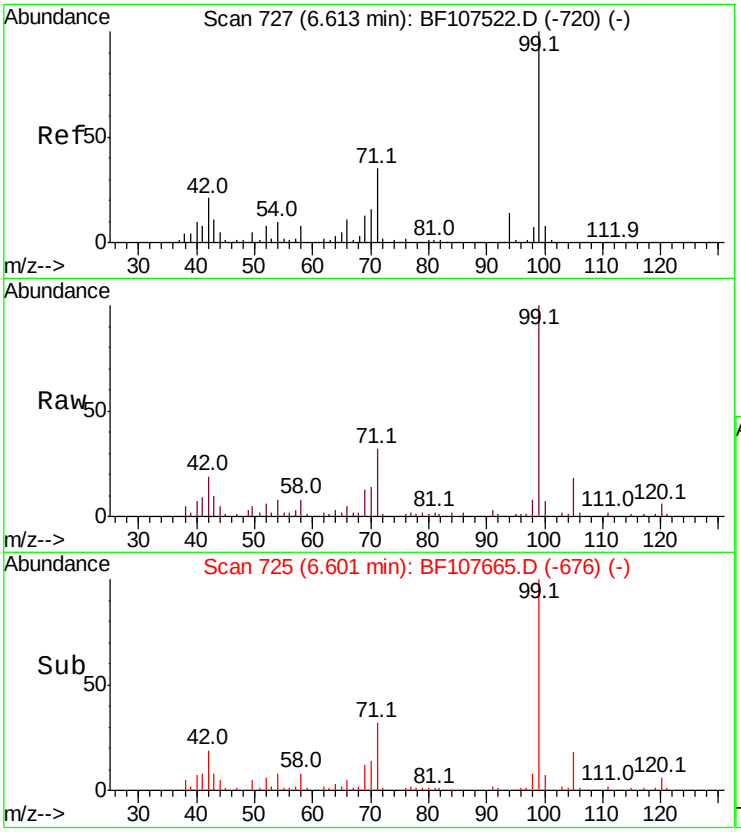


#5
2-Fluorophenol
Concen: 6.760 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:112 Resp: 84136

Ion	Ratio	Lower	Upper
112	100		
64	62.8	47.9	71.9
63	35.4	23.7	35.5



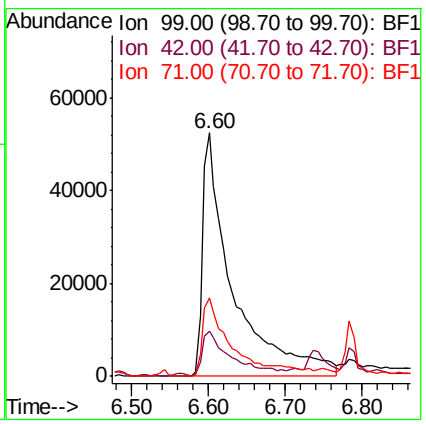


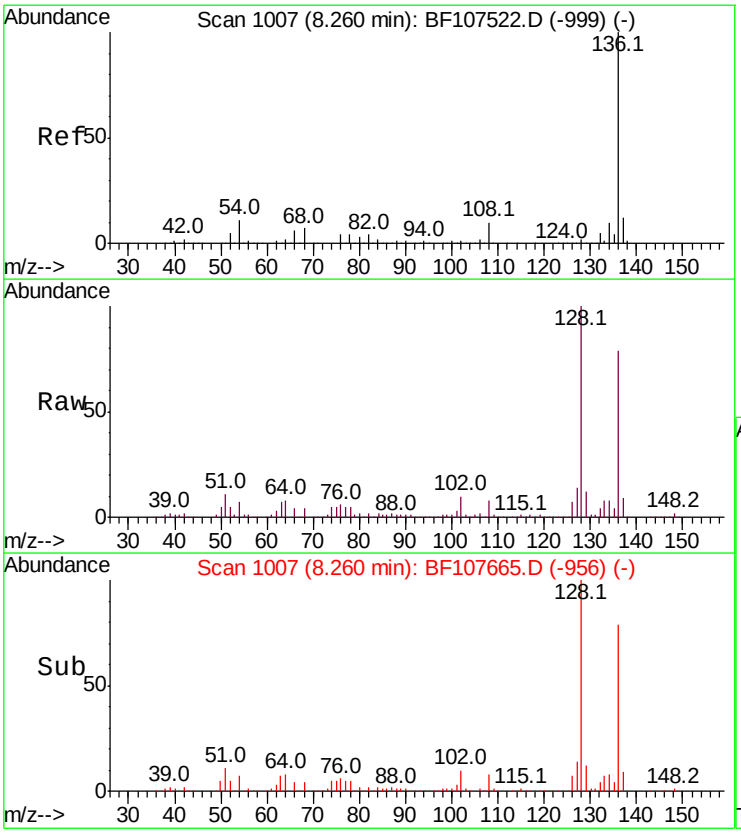
#7
Phenol-d6
Concen: 9.549 ng
RT: 6.60 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 142706

Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.5	21.7
71	32.2	25.4	38.0

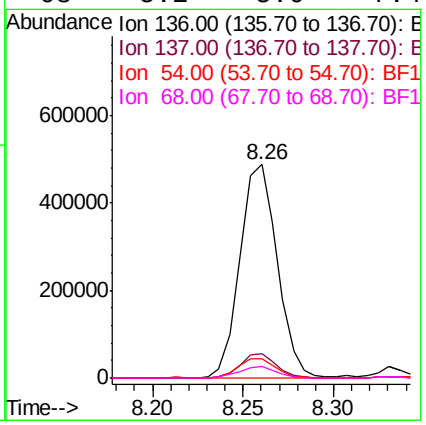


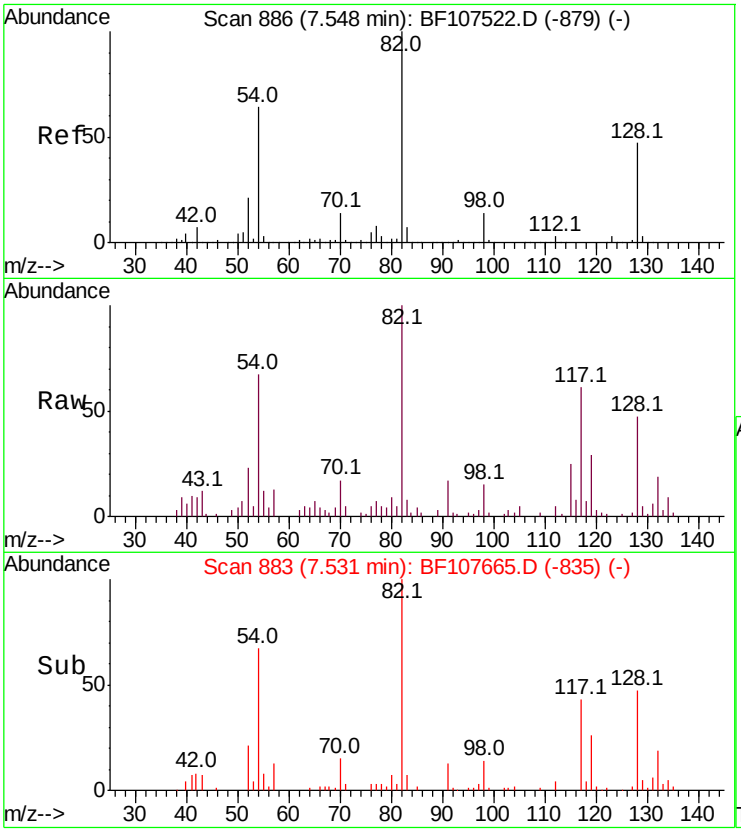


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:136 Resp: 700278

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	6.6	9.8
68	5.2	5.0	7.4



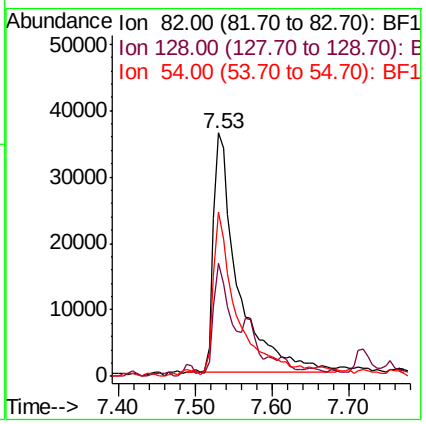


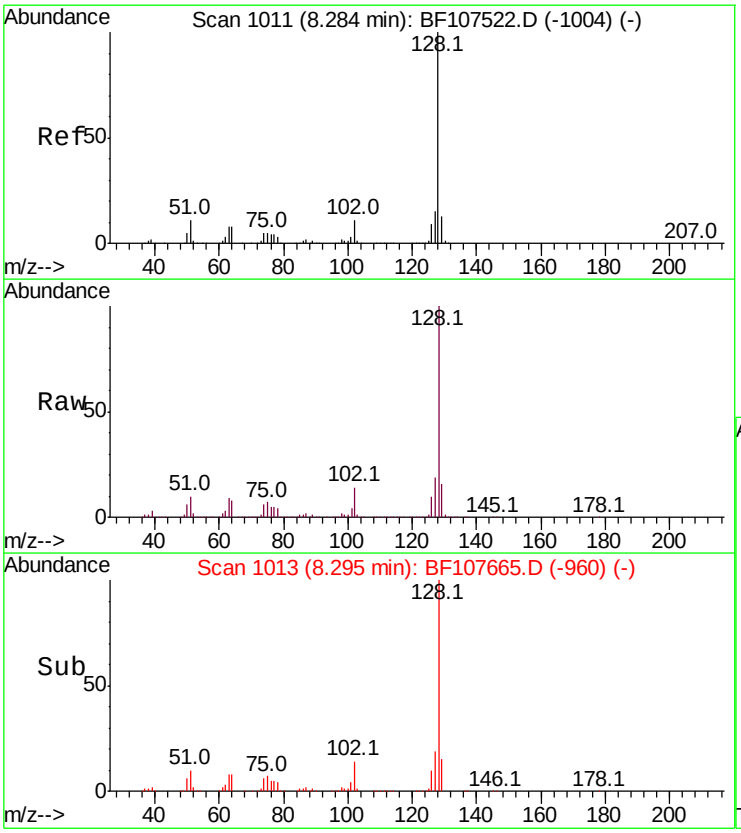
#23
Nitrobenzene-d5
Concen: 7.626 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 79126

Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.1	54.1
54	67.3	41.4	62.2#

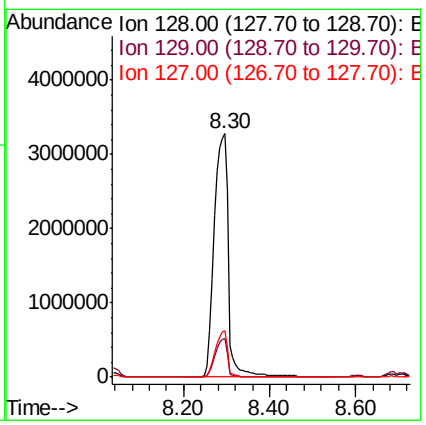


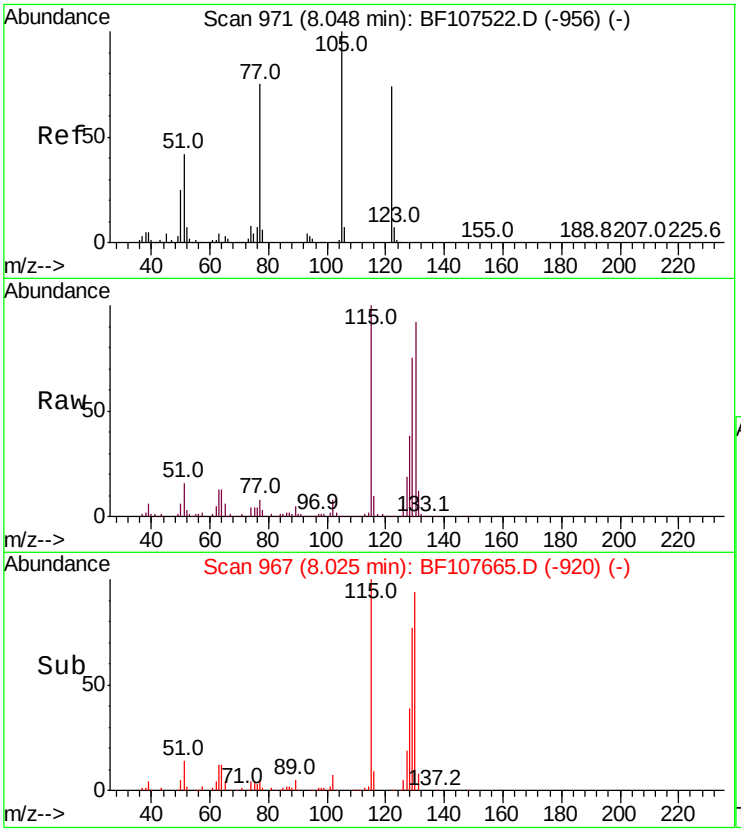


#31
Naphthalene
Concen: 242.655 ng
RT: 8.30 min Scan# 1013
Delta R.T. 0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:128 Resp: 7472357

Ion	Ratio	Lower	Upper
128	100		
129	15.8	8.8	13.2#
127	18.9	10.9	16.3#



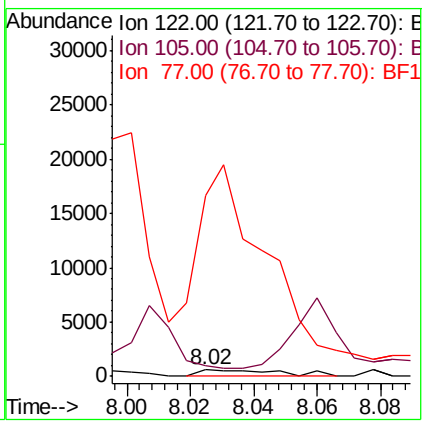


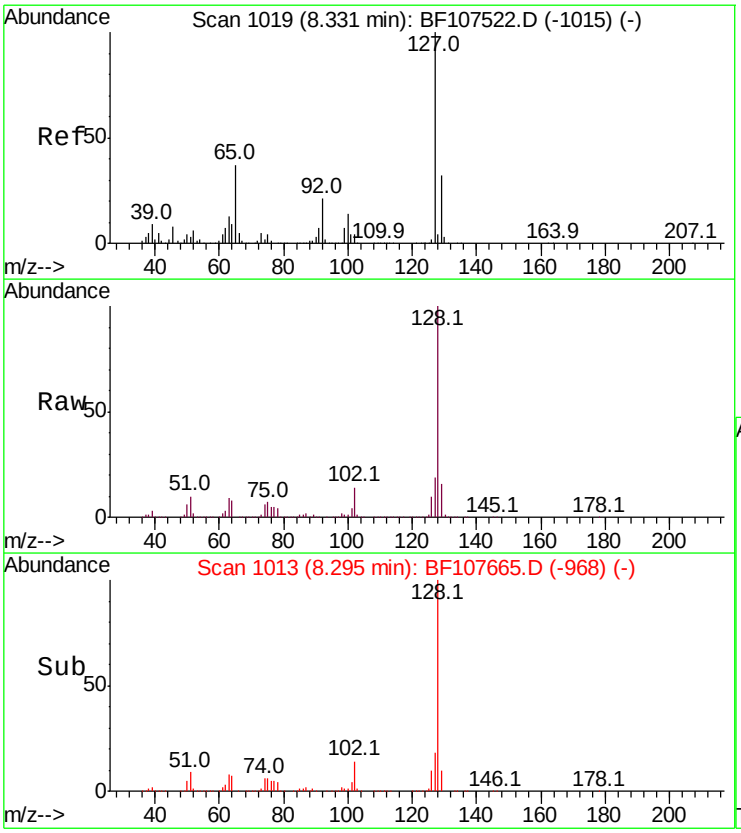
#32
Benzoic acid
Concen: 8.022 ng
RT: 8.02 min Scan# 967
Delta R.T. -0.02 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 972

Ion	Ratio	Lower	Upper
122	100		
105	163.9	101.1	141.1#
77	2832.7	70.7	110.7#

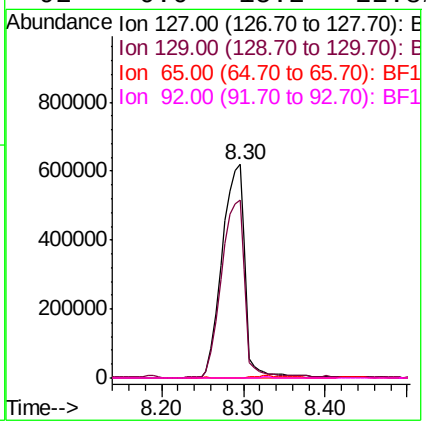


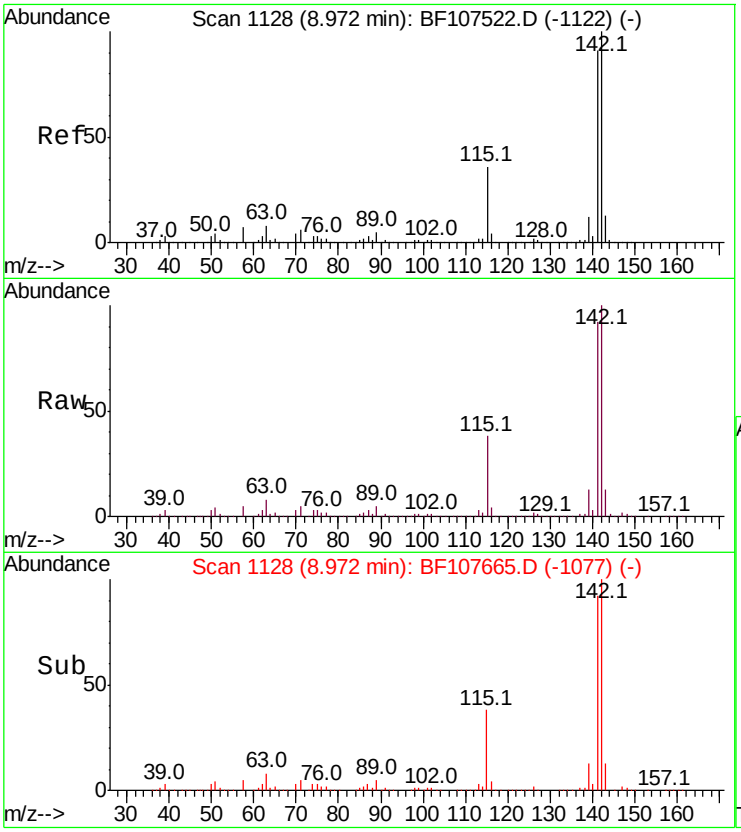


#33
4-Chloroaniline
Concen: 90.613 ng
RT: 8.30 min Scan# 1013
Delta R.T. -0.04 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:127 Resp: 1219612

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



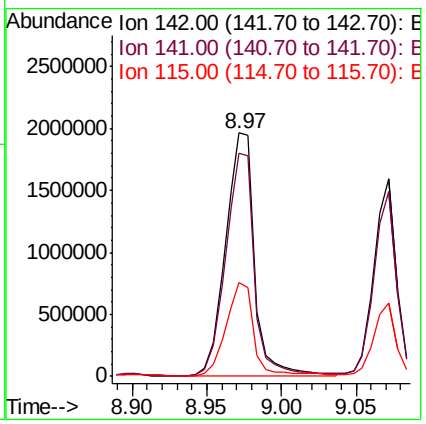


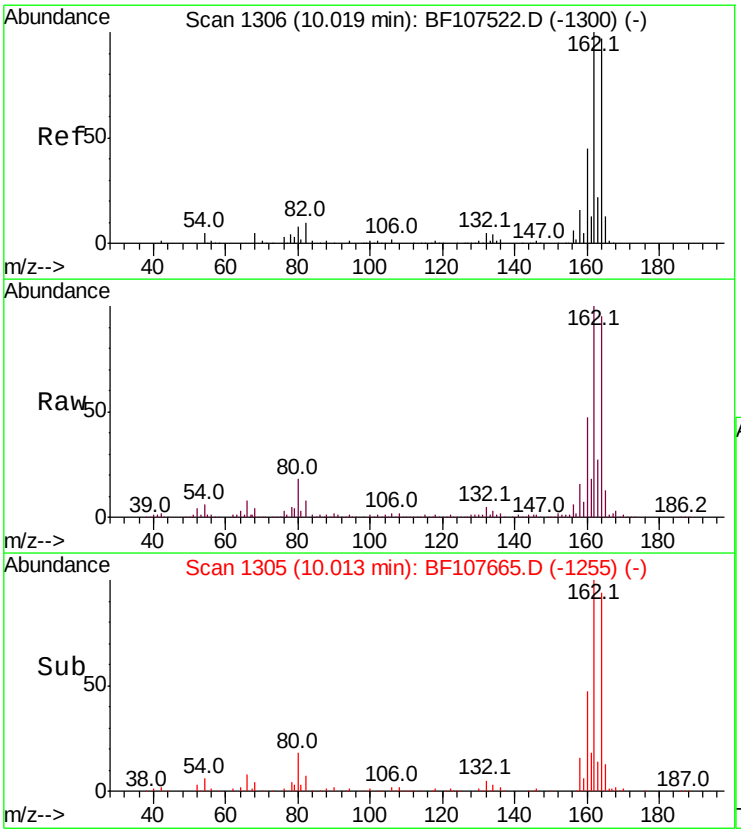
#37
2-Methylnaphthalene
Concen: 126.341 ng
RT: 8.97 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 2696001

Ion	Ratio	Lower	Upper
142	100		
141	91.7	70.8	106.2
115	38.3	26.1	39.1

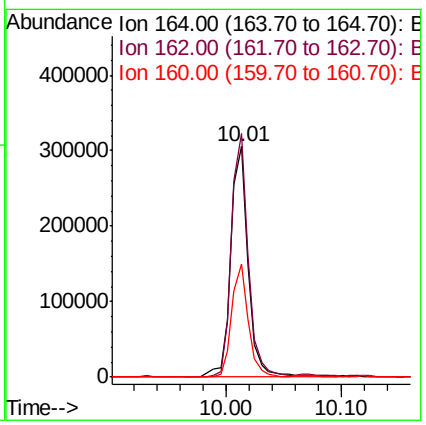


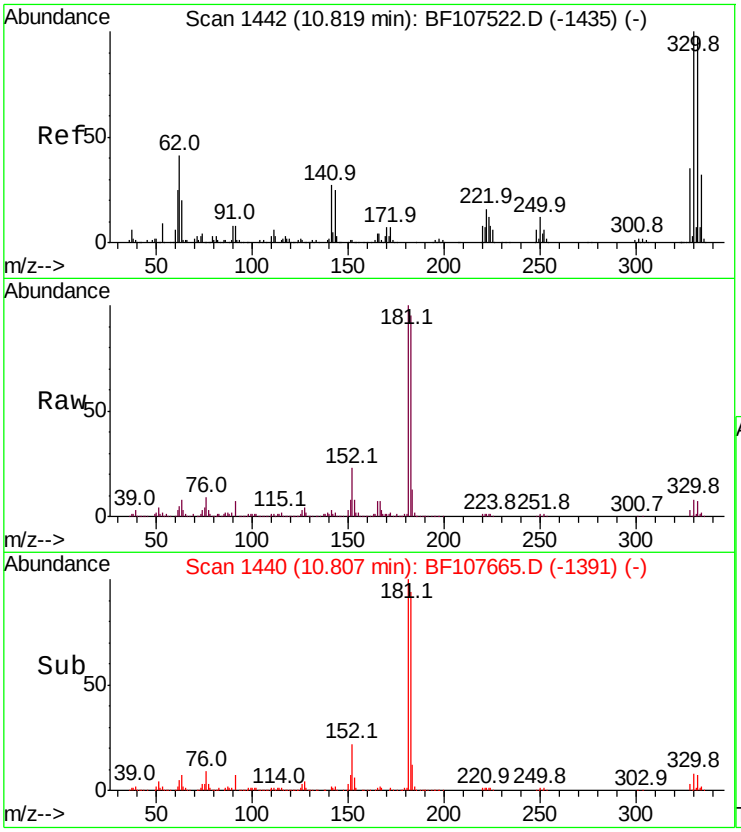


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:164 Resp: 320310

Ion	Ratio	Lower	Upper
164	100		
162	105.5	86.1	129.1
160	49.3	38.3	57.5



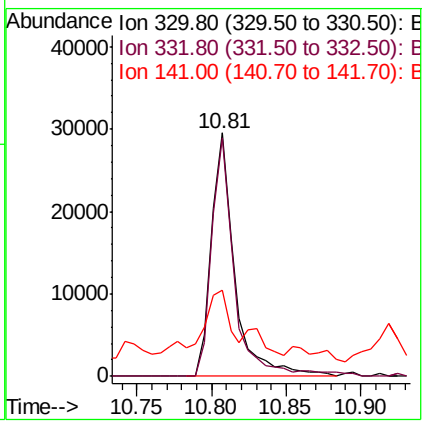


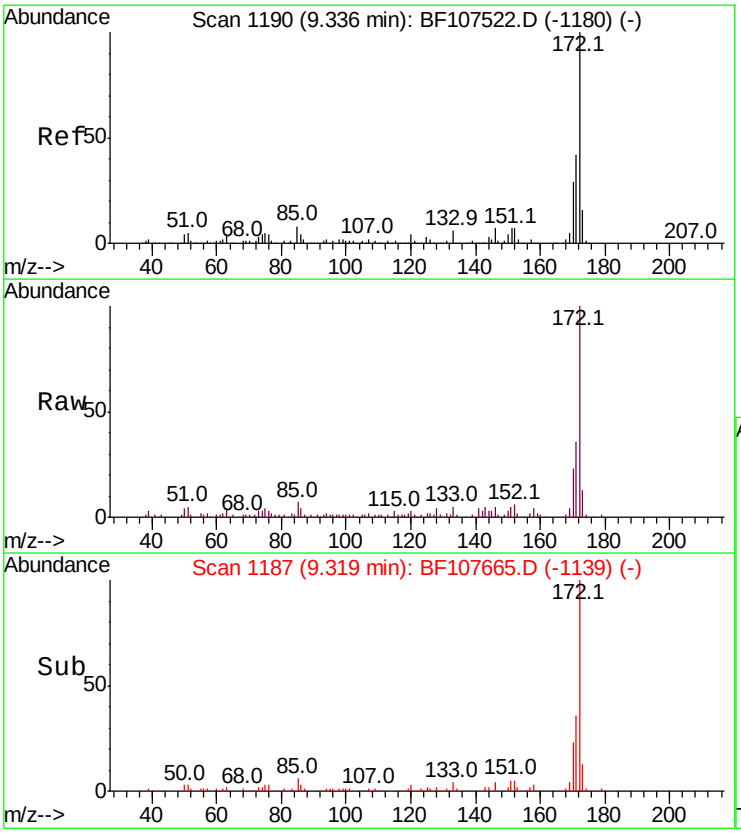
#41
2,4,6-Tribromophenol
Concen: 8.882 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 32351

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	29.2	29.9	44.9#

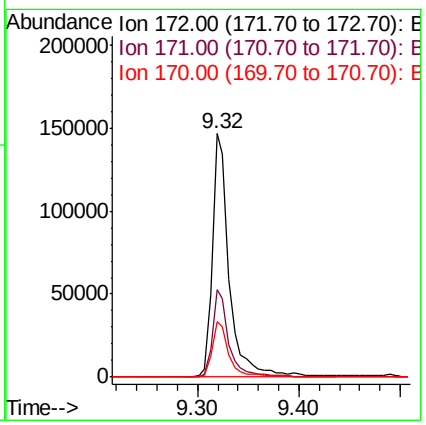


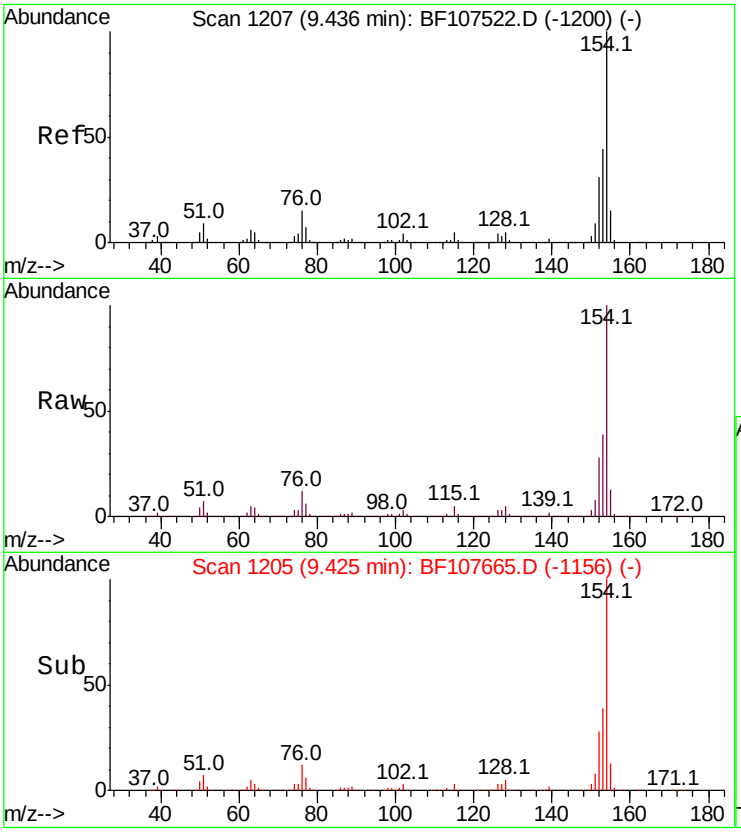


#44
2-Fluorobiphenyl
Concen: 3.353 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.02 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:172 Resp: 171380

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	22.7	19.6	29.4



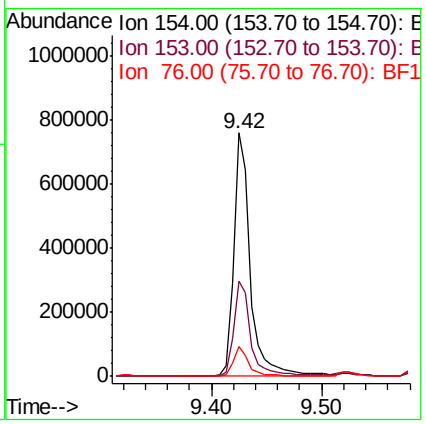


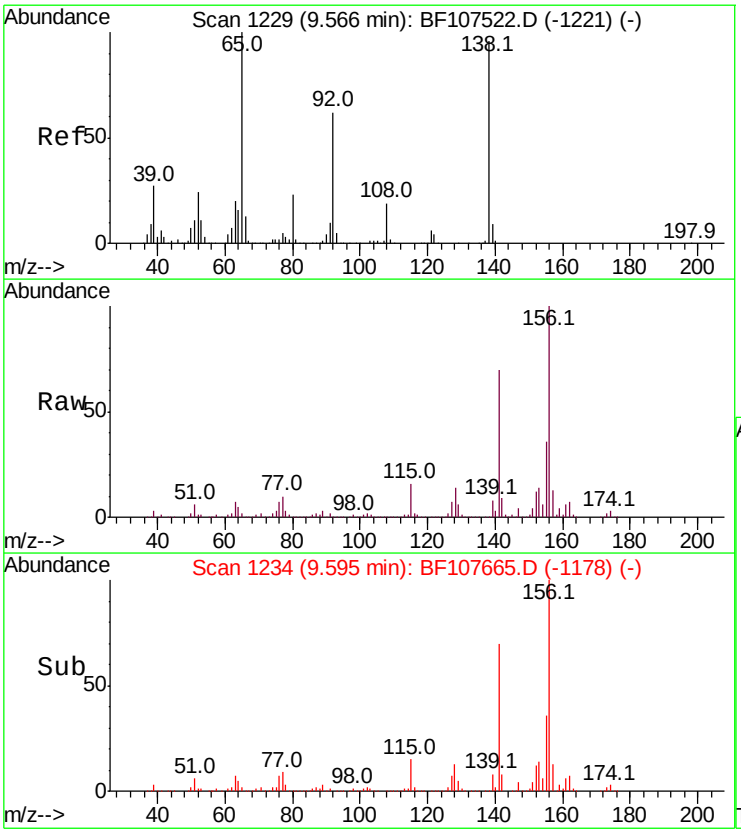
#45
1,1'-Biphenyl
Concen: 28.785 ng
RT: 9.42 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 803184

Ion	Ratio	Lower	Upper
154	100		
153	39.2	21.3	61.3
76	12.1	0.0	34.0

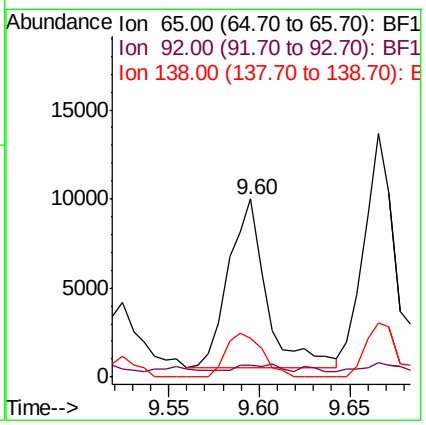


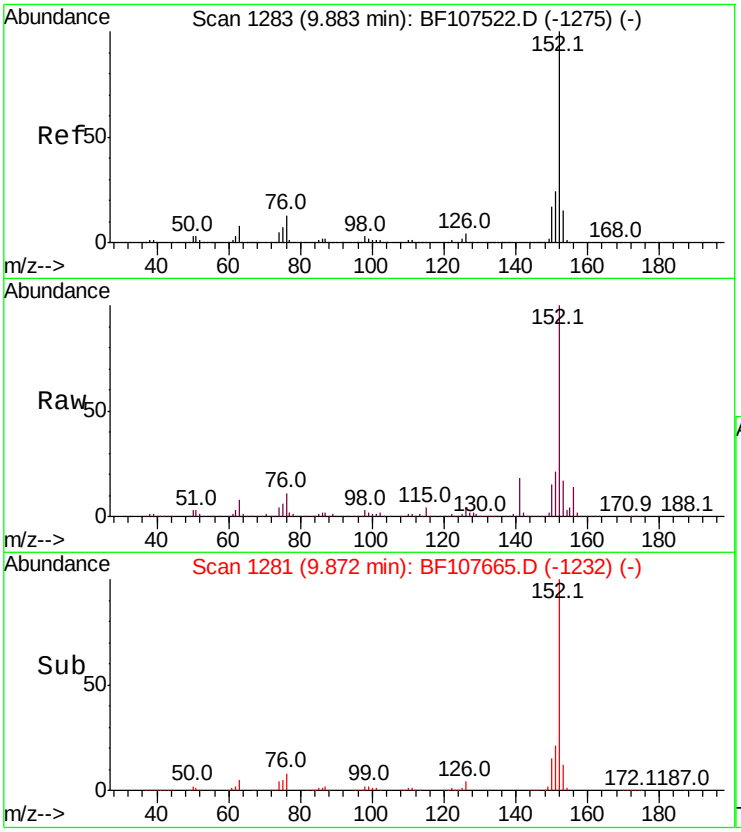


#47
2-Nitroaniline
Concen: 2.210 ng
RT: 9.60 min Scan# 1234
Delta R.T. 0.03 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion: 65 Resp: 13743

Ion	Ratio	Lower	Upper
65	100		
92	7.1	55.8	83.6#
138	21.8	91.2	136.8#

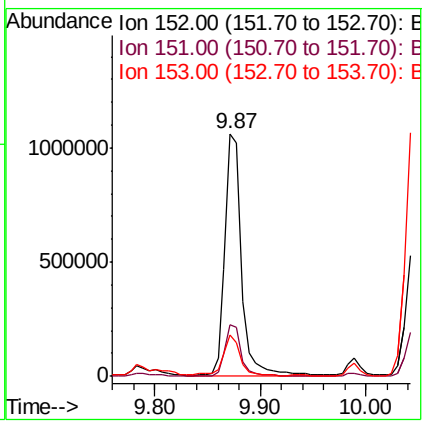




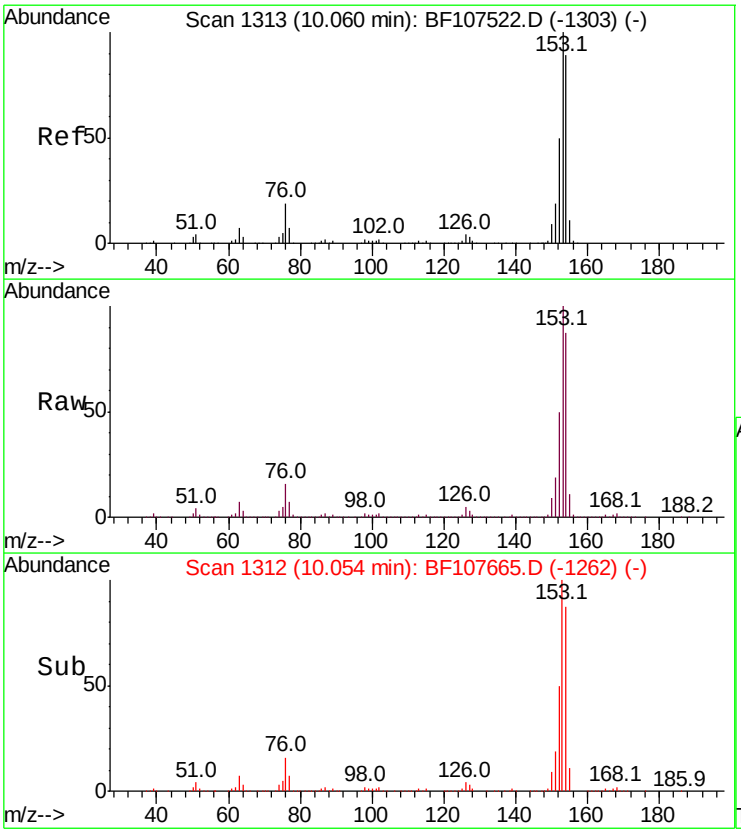
#48
Acenaphthylene
Concen: 36.018 ng
RT: 9.87 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:152 Resp: 1153991

Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.3	24.5
153	16.8	10.7	16.1#



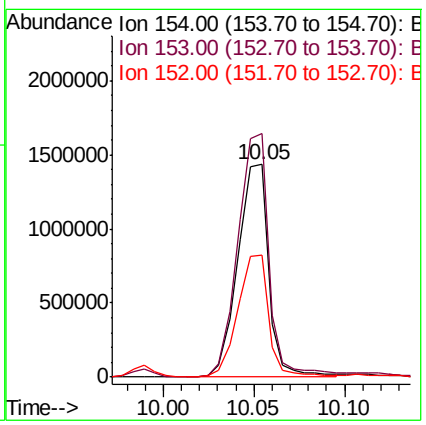
Instrument :
BNA_F
ClientSampleId :

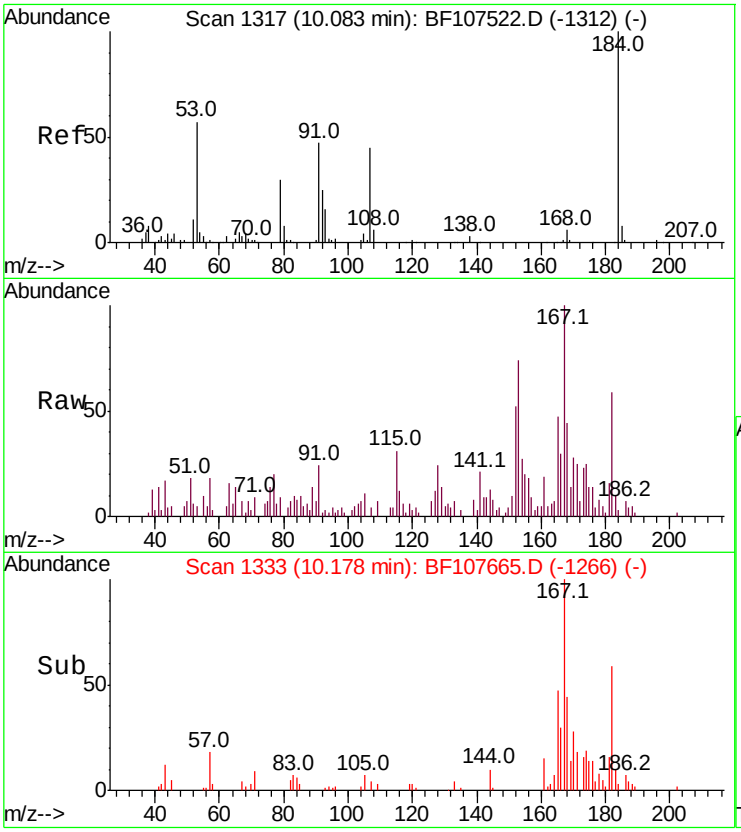


#51
Acenaphthene
Concen: 84.740 ng
RT: 10.05 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:154 Resp: 1701080

Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.2	136.8
152	57.2	43.8	65.8



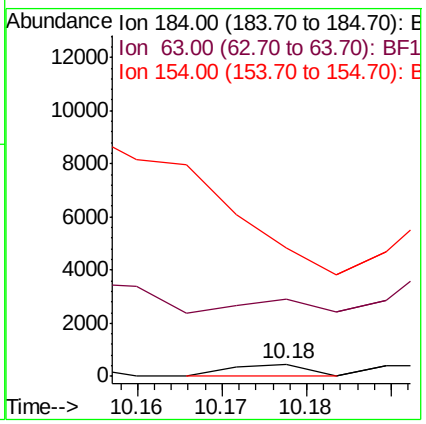


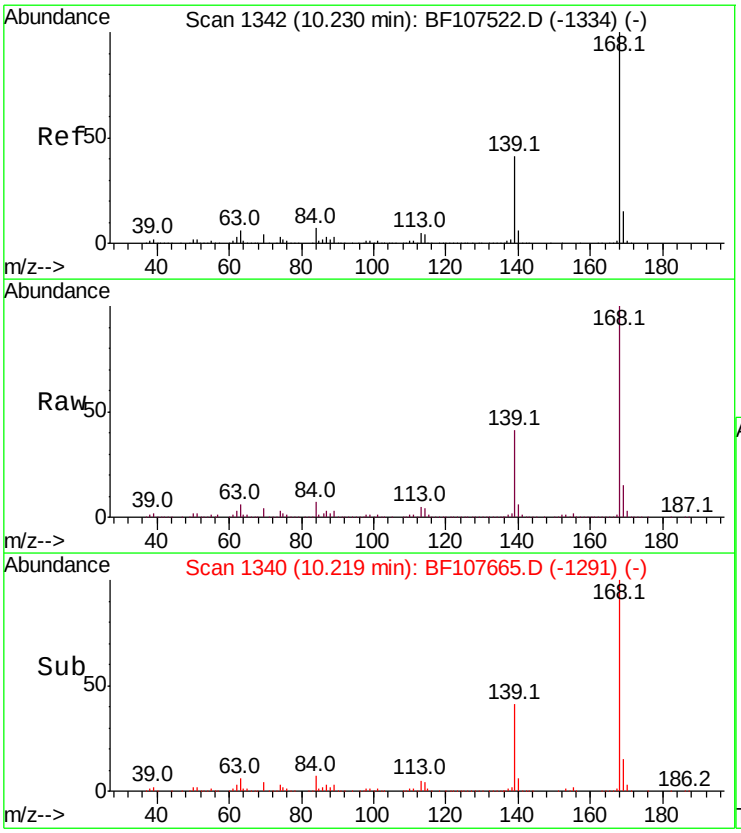
#53
2,4-Dinitrophenol
Concen: 8.453 ng
RT: 10.18 min Scan# 1333
Delta R.T. 0.09 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:184 Resp: 282

Ion	Ratio	Lower	Upper
184	100		
63	639.5	54.2	81.2#
154	1067.0	184.0	276.0#

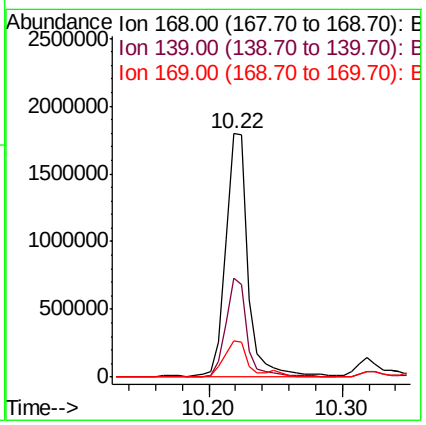


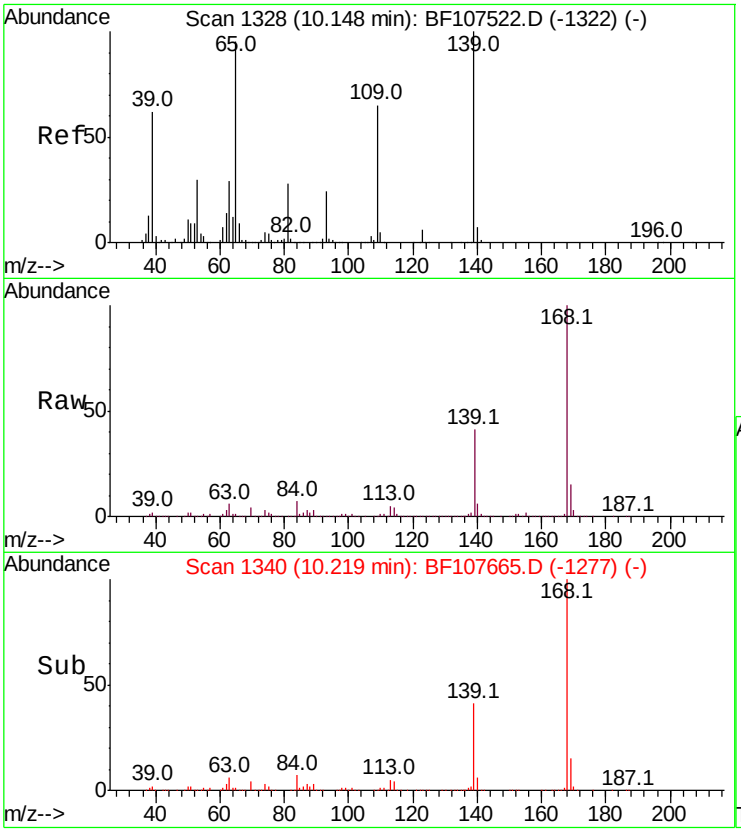


#54
Dibenzofuran
Concen: 70.450 ng
RT: 10.22 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:168 Resp: 2082034

Ion	Ratio	Lower	Upper
168	100		
139	40.6	30.1	45.1
169	15.0	10.9	16.3



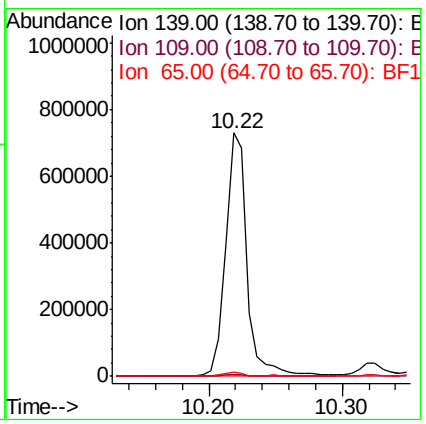


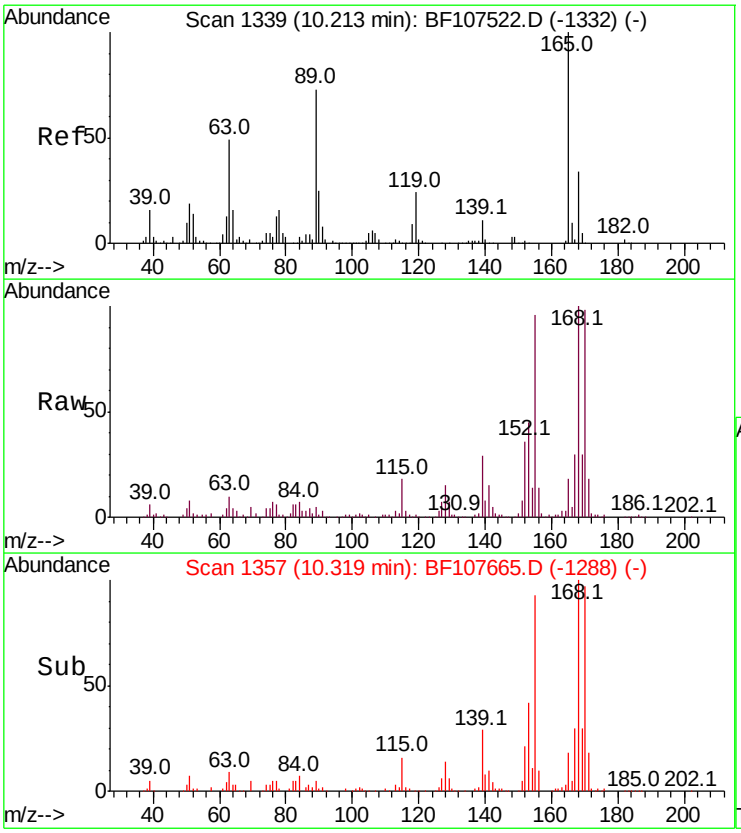
#55
4-Nitrophenol
Concen: 187.701 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.07 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 819421

Ion	Ratio	Lower	Upper
139	100		
109	0.8	48.4	88.4#
65	1.6	72.6	112.6#

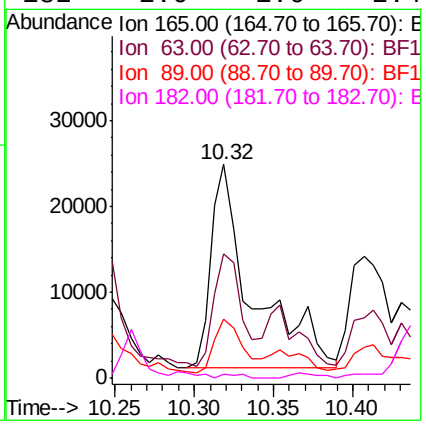


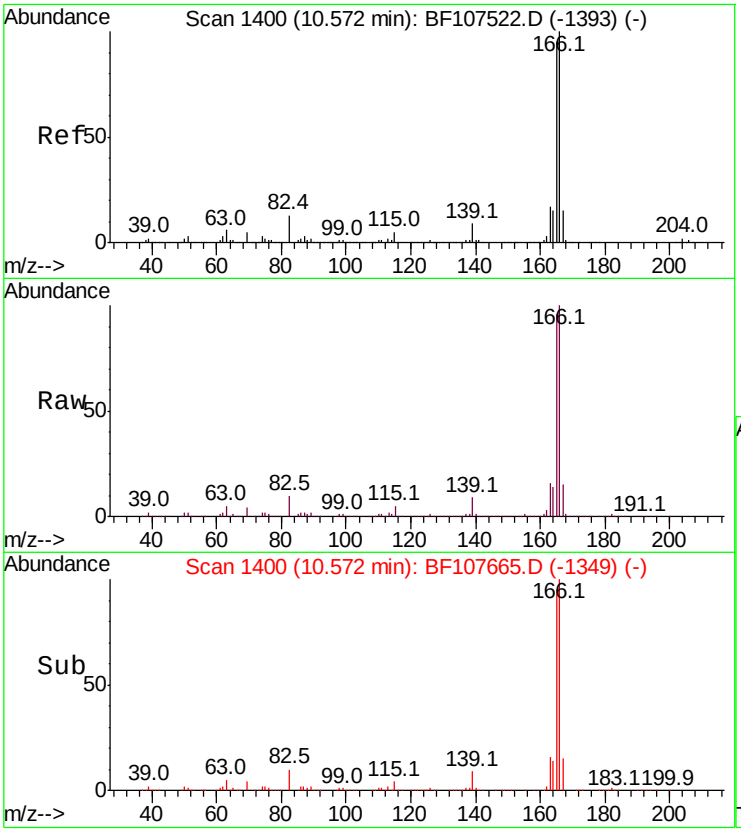


#56
2,4-Dinitrotoluene
Concen: 7.474 ng
RT: 10.32 min Scan# 1357
Delta R.T. 0.11 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:165 Resp: 43238

Ion	Ratio	Lower	Upper
165	100		
63	58.3	36.4	54.6#
89	27.4	57.8	86.6#
182	2.0	1.6	2.4



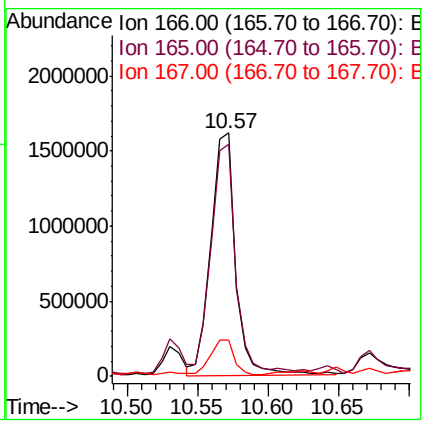


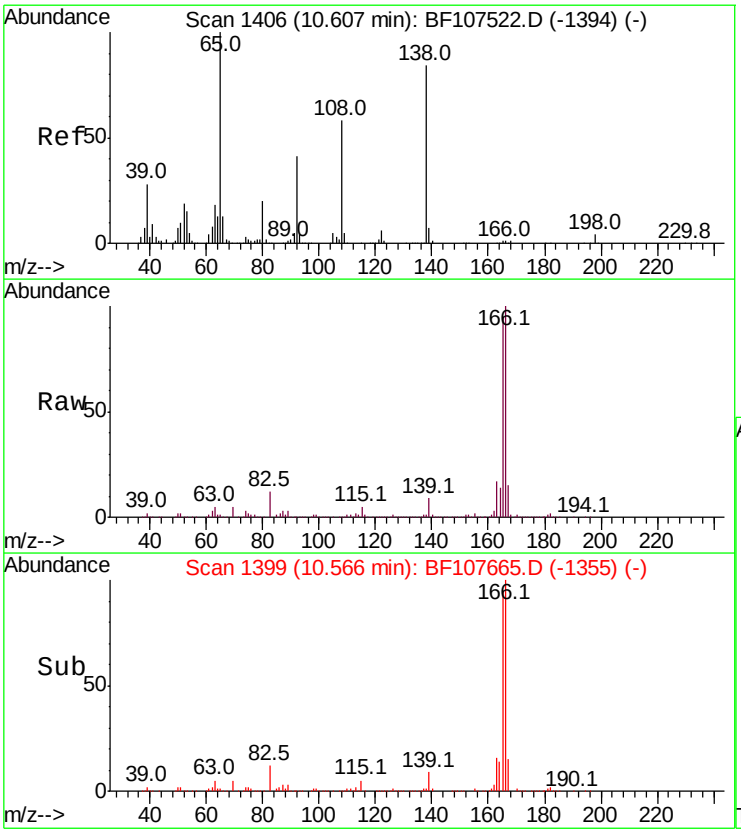
#57
Fluorene
Concen: 94.980 ng
RT: 10.57 min Scan# 1400
Delta R.T. 0.00 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 2002531

Ion	Ratio	Lower	Upper
166	100		
165	95.5	79.8	119.8
167	14.8	10.6	16.0

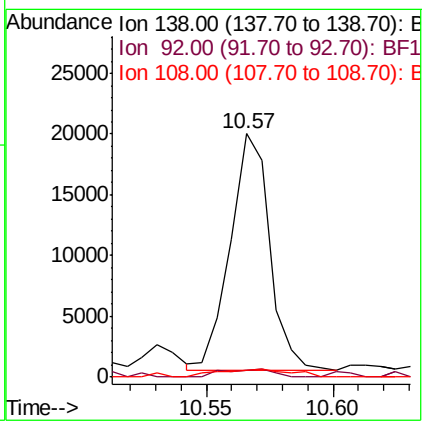


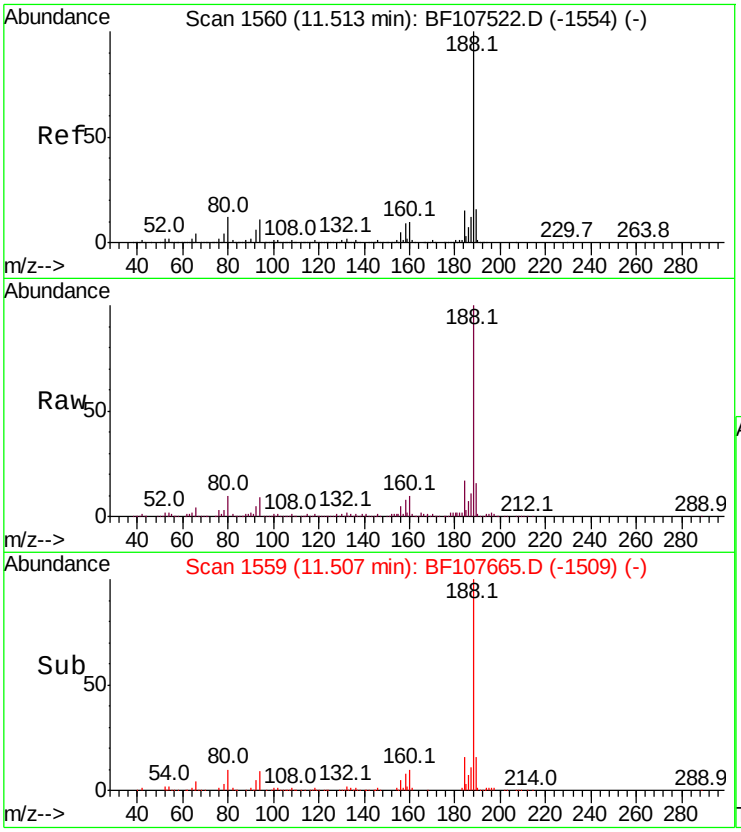


#61
4-Nitroaniline
Concen: 4.287 ng
RT: 10.57 min Scan# 1399
Delta R.T. -0.04 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:138 Resp: 21003

Ion	Ratio	Lower	Upper
138	100		
92	2.9	30.2	70.2#
108	2.9	52.5	92.5#



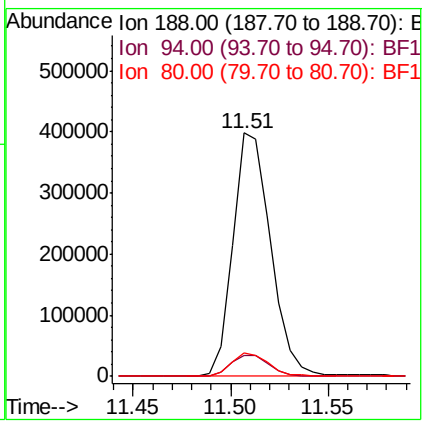


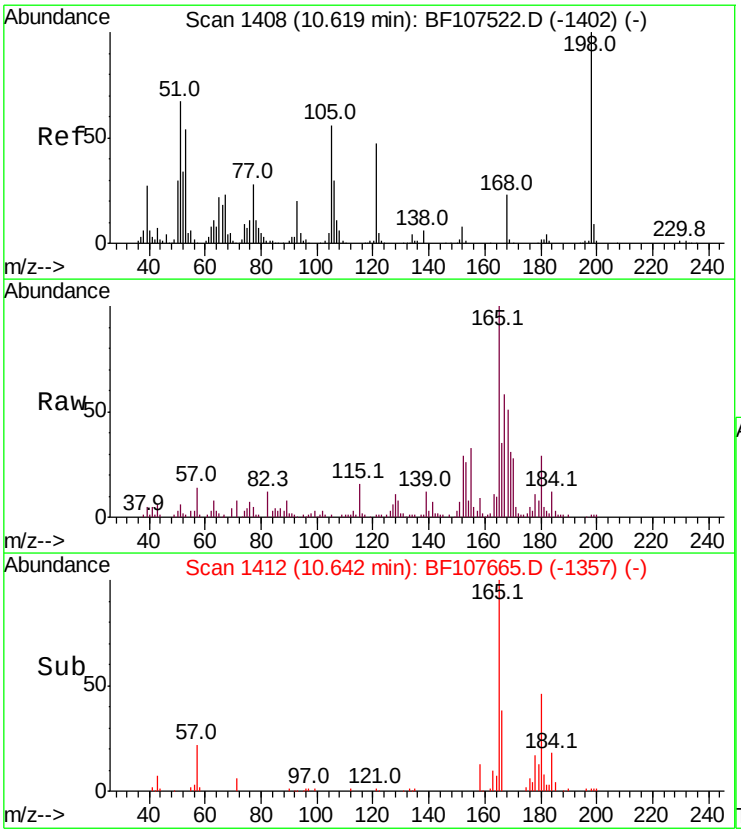
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 530479

Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.5	12.7
80	9.8	9.2	13.8

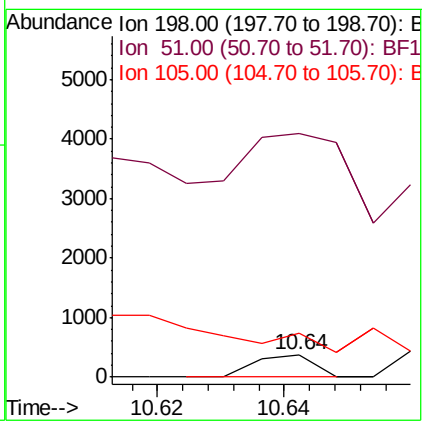


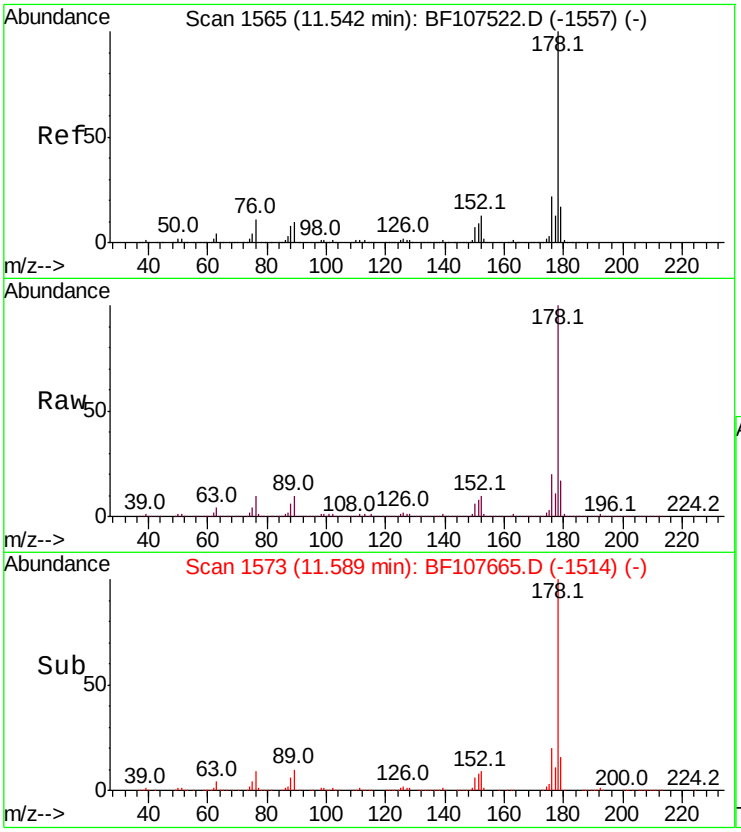


#64
4,6-Dinitro-2-methylphenol
Concen: 8.758 ng
RT: 10.64 min Scan# 1412
Delta R.T. 0.02 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:198 Resp: 243

Ion	Ratio	Lower	Upper
198	100		
51	1082.5	37.7	77.7#
105	196.8	36.3	76.3#



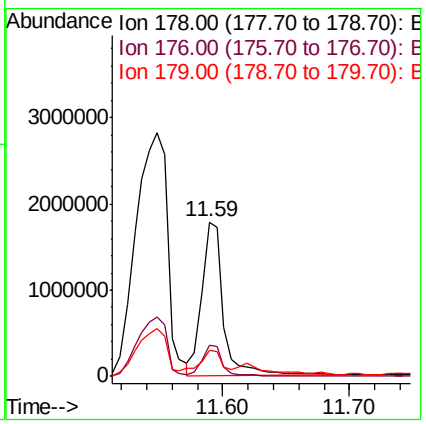


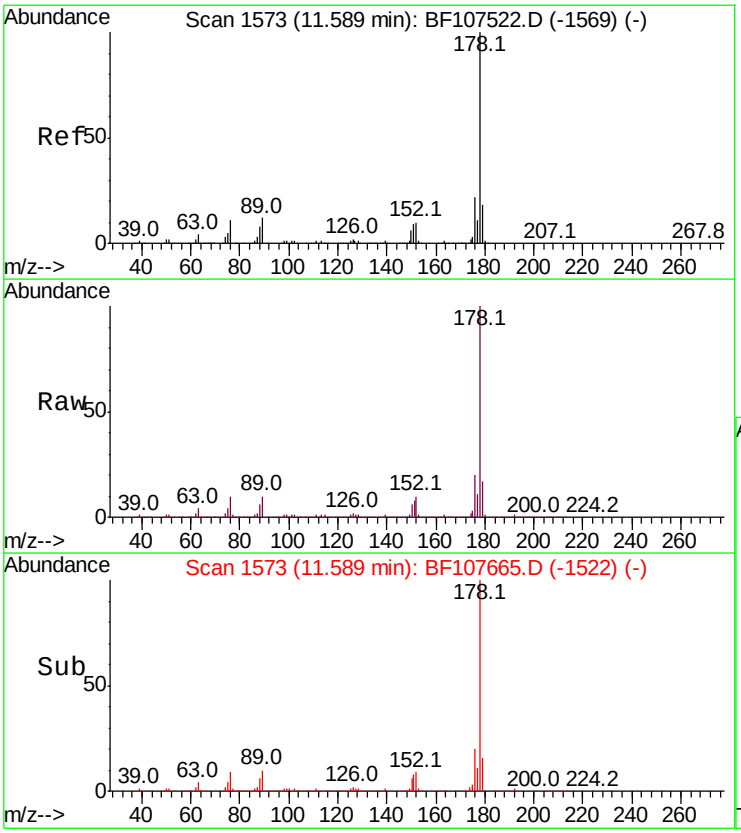
#70
Phenanthrene
Concen: 81.729 ng
RT: 11.59 min Scan# 1573
Delta R.T. 0.05 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 2112715

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	16.9	13.0	19.6

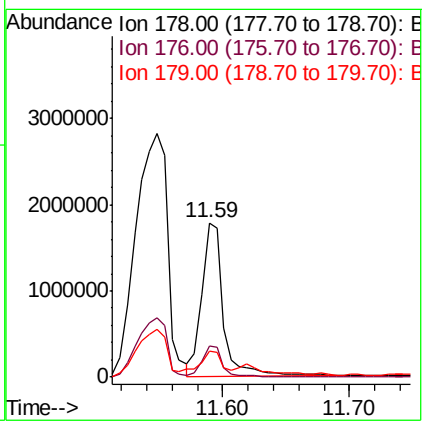


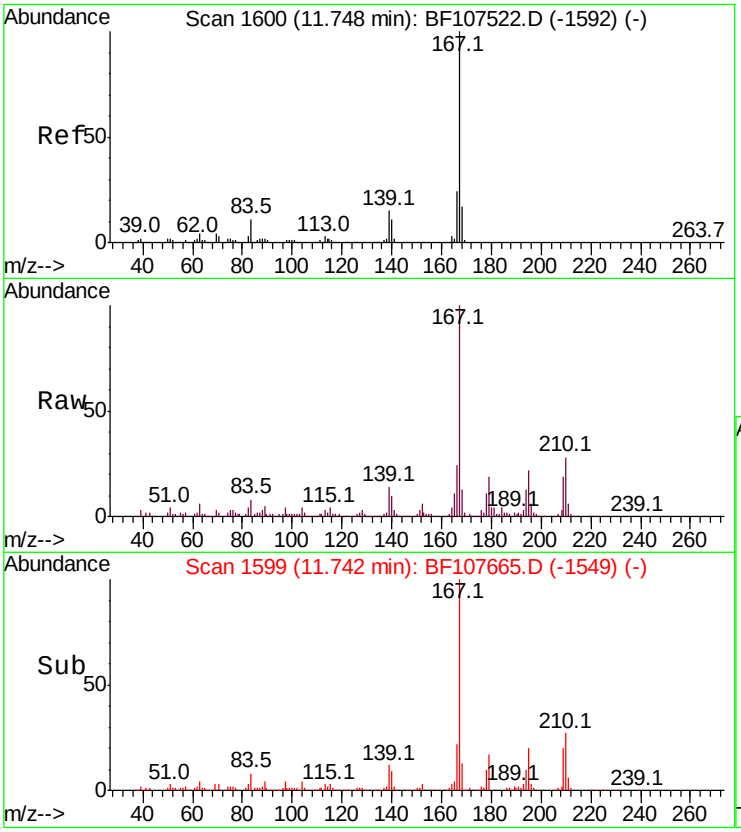


#71
Anthracene
Concen: 81.172 ng
RT: 11.59 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:178 Resp: 2112715

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.4	23.2
179	16.9	12.6	19.0



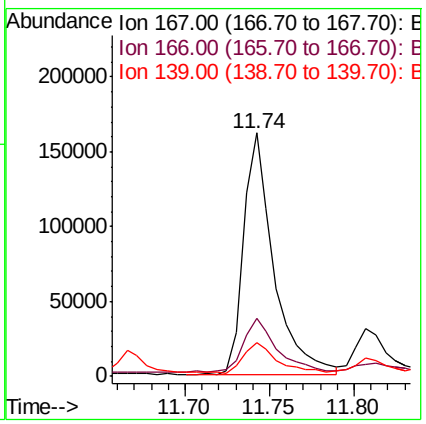


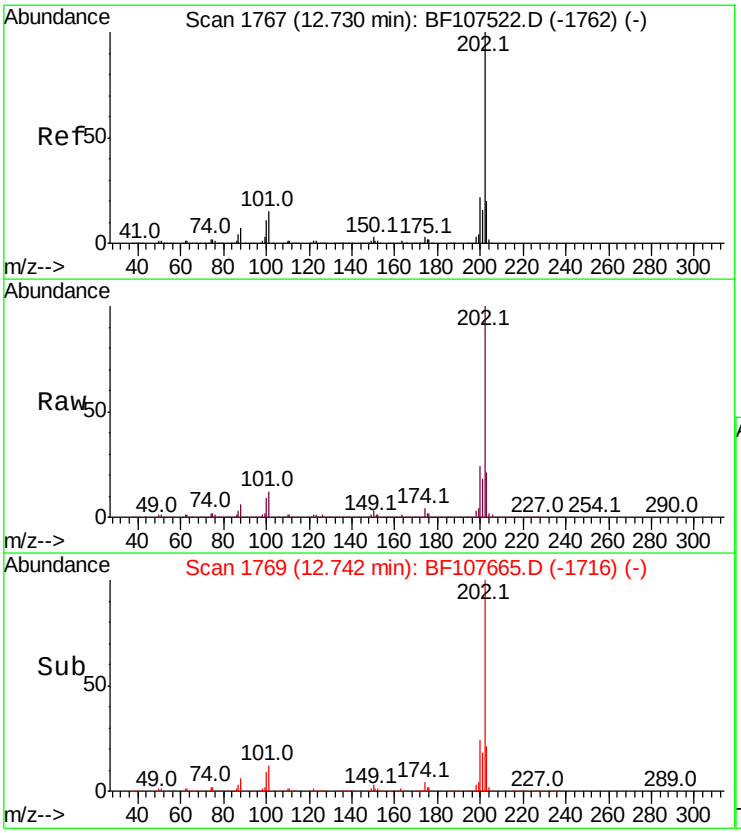
#72
Carbazole
Concen: 7.433 ng
RT: 11.74 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 201179

Ion	Ratio	Lower	Upper
167	100		
166	23.6	17.6	26.4
139	13.9	10.9	16.3

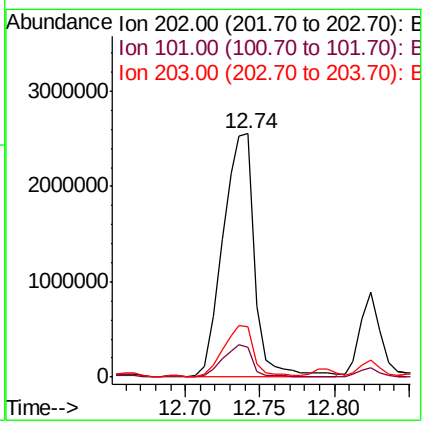


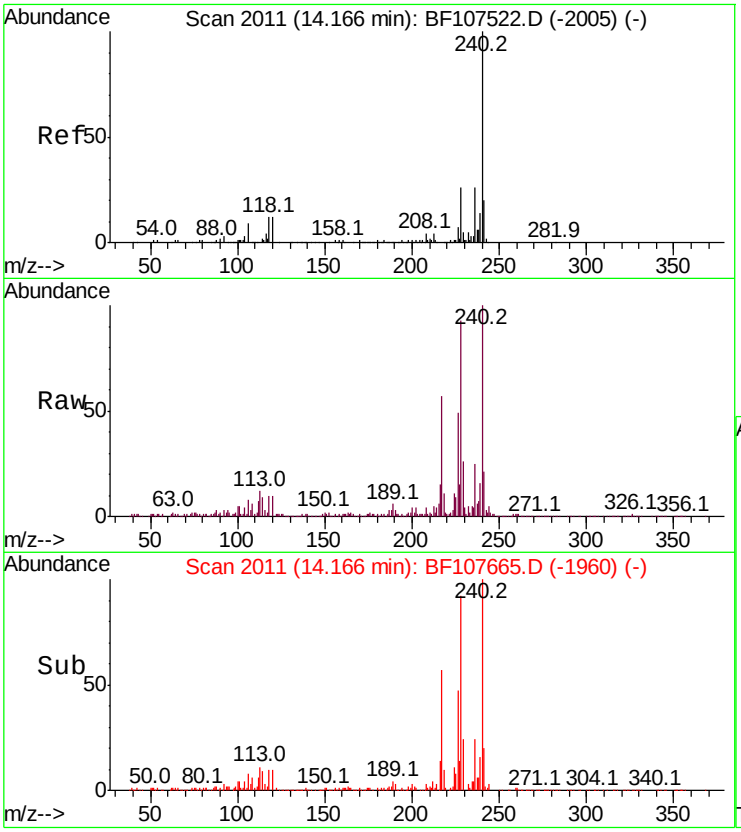


#74
Fluoranthene
Concen: 136.350 ng
RT: 12.74 min Scan# 1769
Delta R.T. 0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:202 Resp: 3782275

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	20.8	0.0	38.1



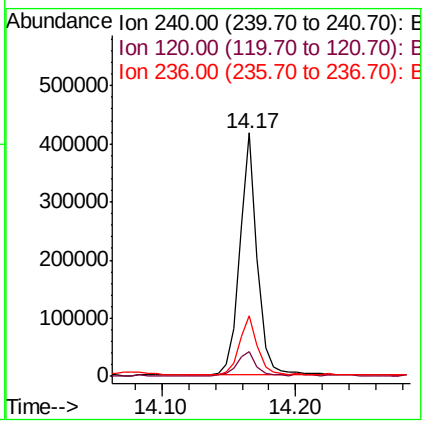


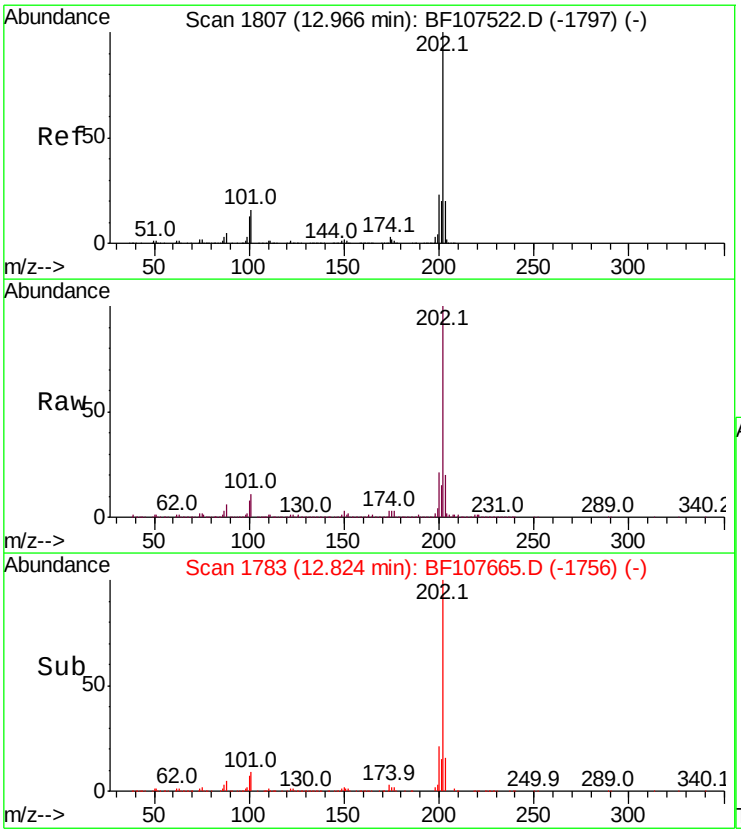
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.17 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 375086

Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.5	14.3
236	25.0	20.7	31.1

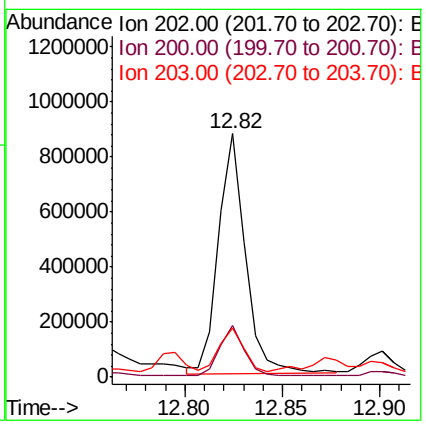


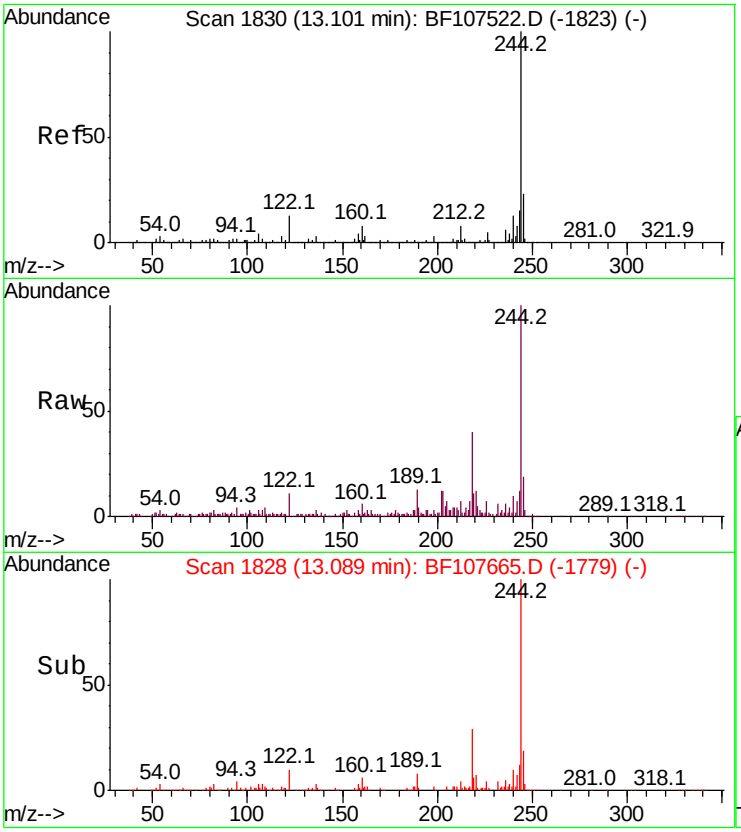


#77
Pyrene
Concen: 33.080 ng
RT: 12.82 min Scan# 1783
Delta R.T. -0.14 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:202 Resp: 848699

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	20.1	14.3	21.5



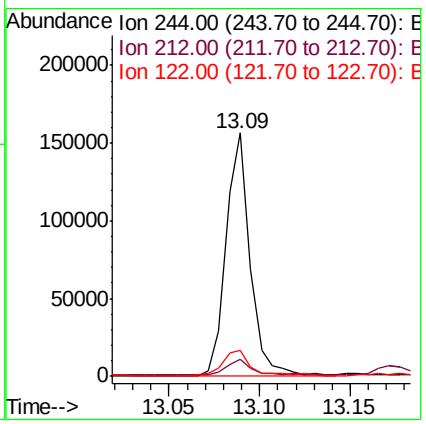


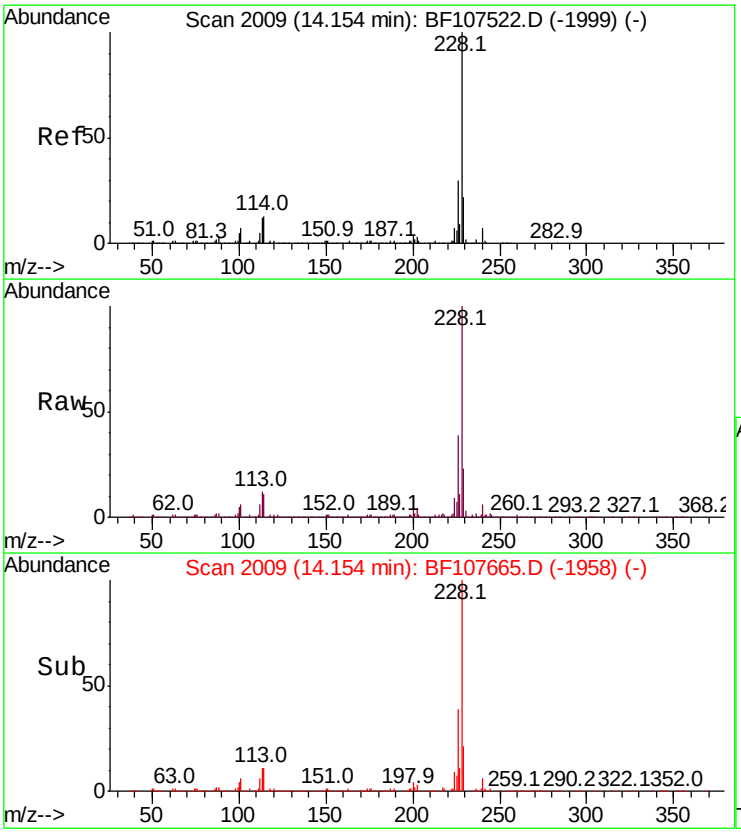
#78
Terphenyl-d14
Concen: 9.823 ng
RT: 13.09 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 143923

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	10.8	11.0	16.4#

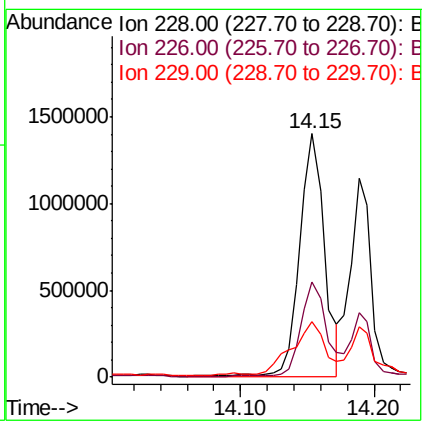


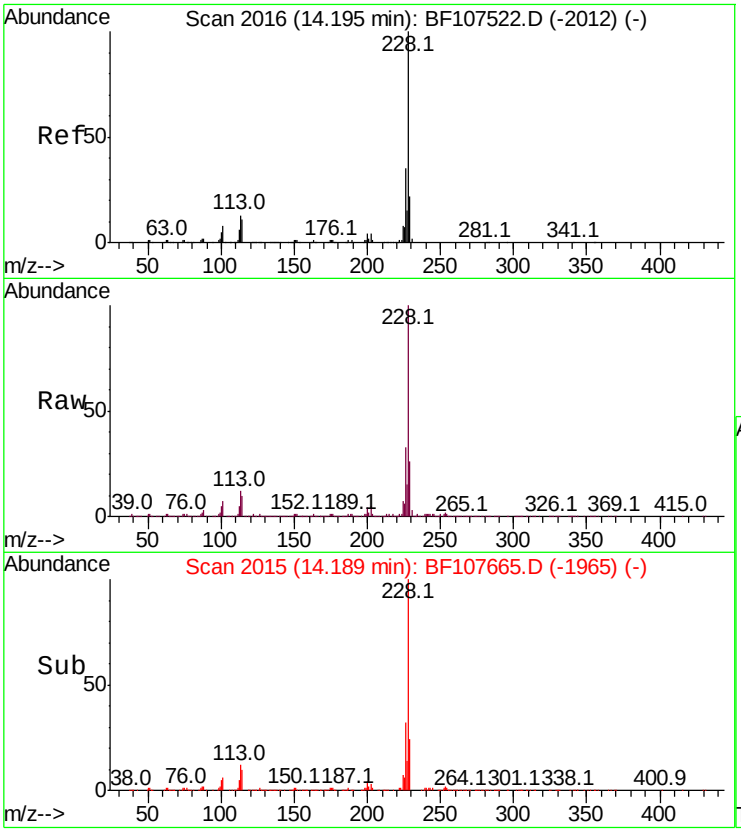


#80
Benzo(a)anthracene
Concen: 80.460 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:228 Resp: 1768575

Ion	Ratio	Lower	Upper
228	100		
226	39.3	22.6	33.8#
229	22.9	15.8	23.6



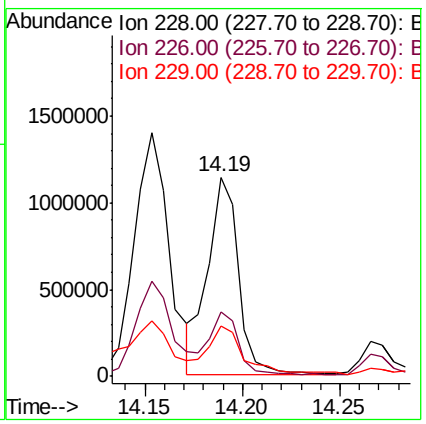


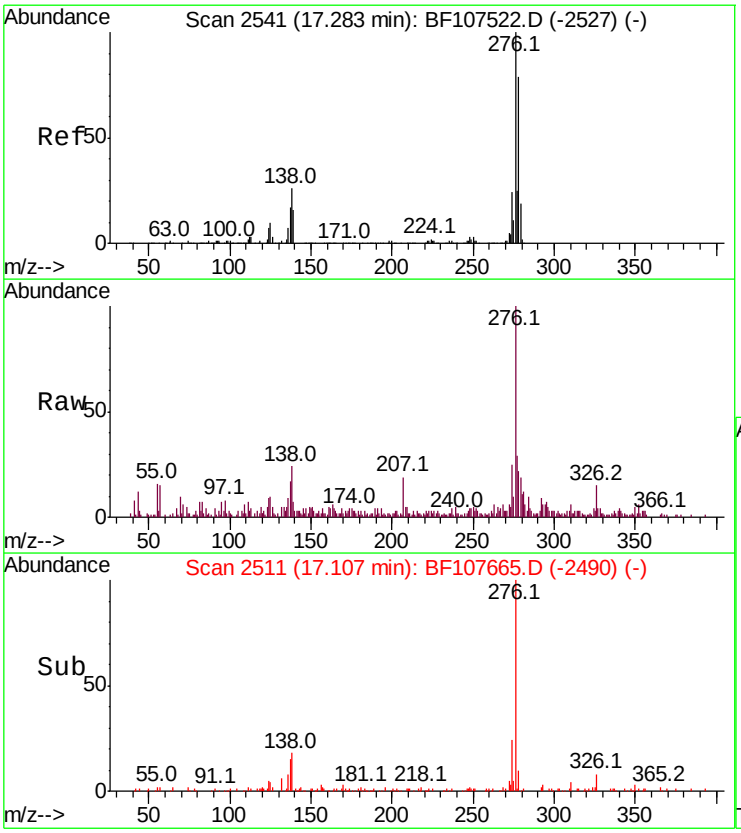
#82
Chrysene
Concen: 59.782 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 1262276

Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.6
229	25.5	16.2	24.4#

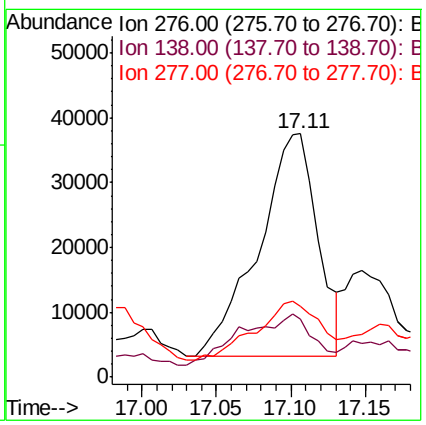


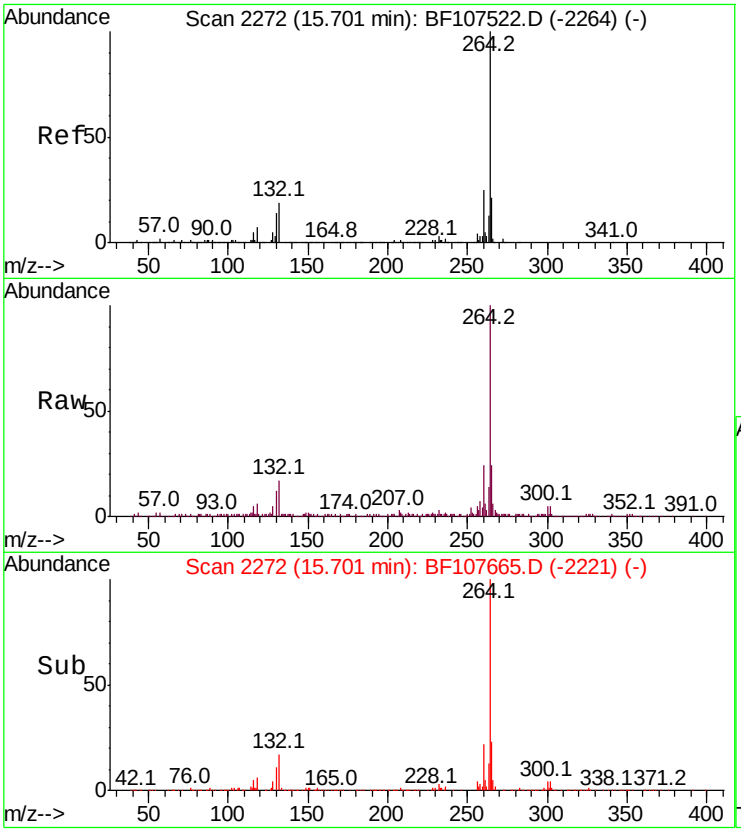


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.349 ng
RT: 17.11 min Scan# 2511
Delta R.T. -0.18 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:276 Resp: 95729

Ion	Ratio	Lower	Upper
276	100		
138	27.2	25.0	37.6
277	28.1	20.1	30.1



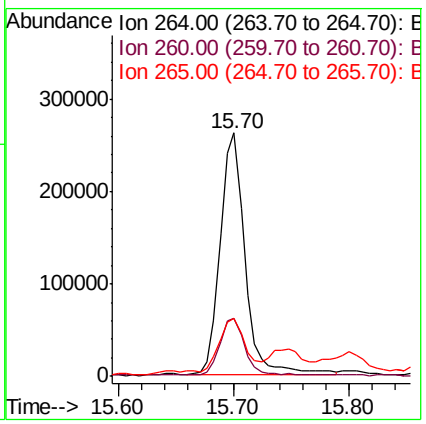


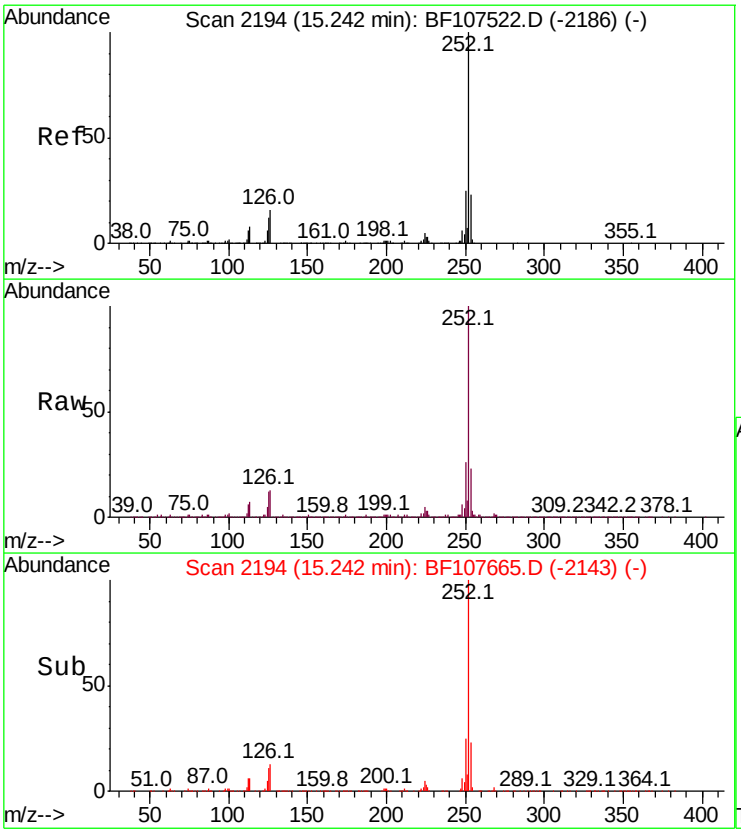
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. 0.00 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 386106

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.8	17.5	26.3

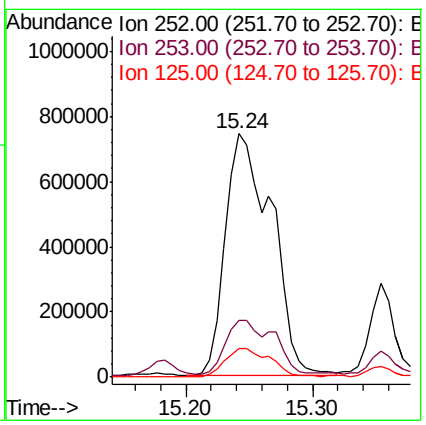


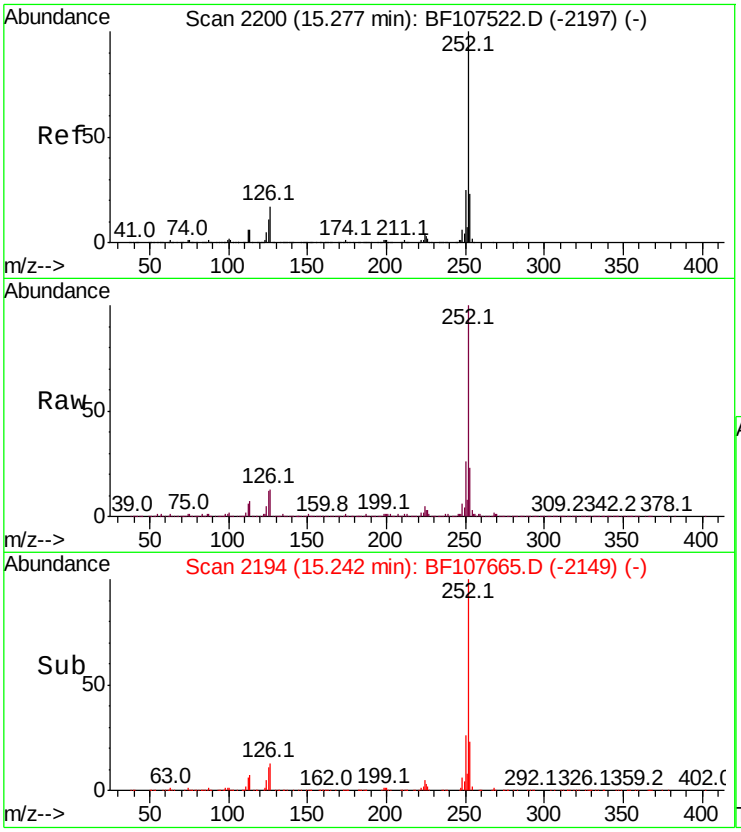


#87
Benzo(b)fluoranthene
Concen: 89.057 ng
RT: 15.24 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:252 Resp: 1881869

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	11.5	9.0	13.6



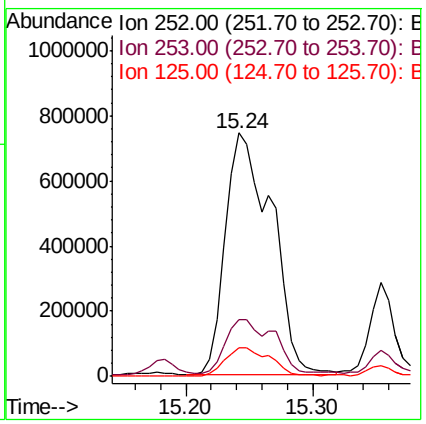


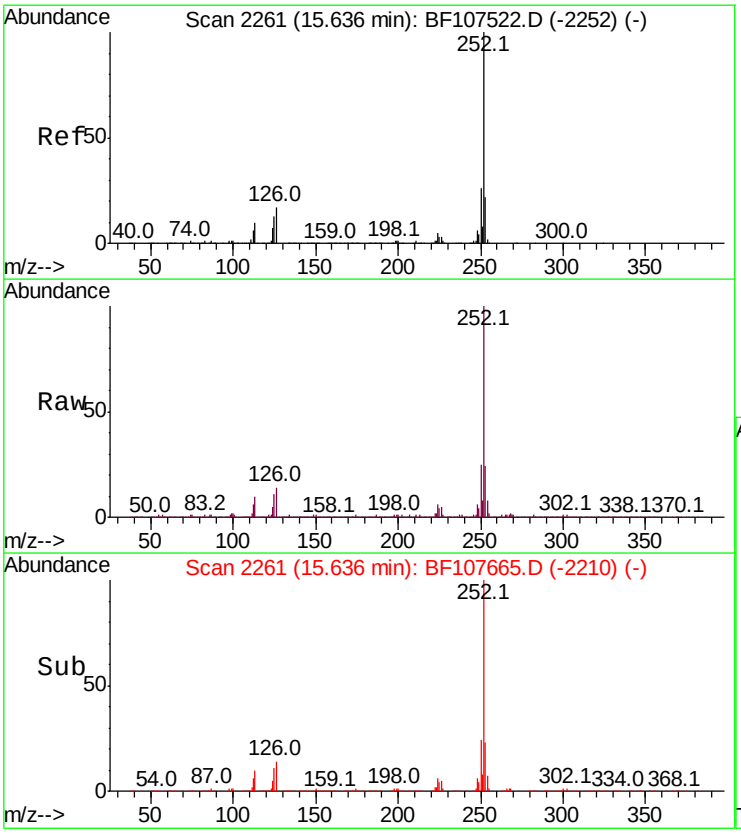
#88
Benzo(k)fluoranthene
Concen: 90.900 ng
RT: 15.24 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1881869

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	11.5	10.2	15.2

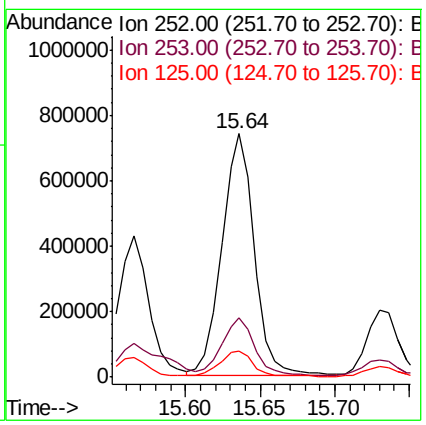


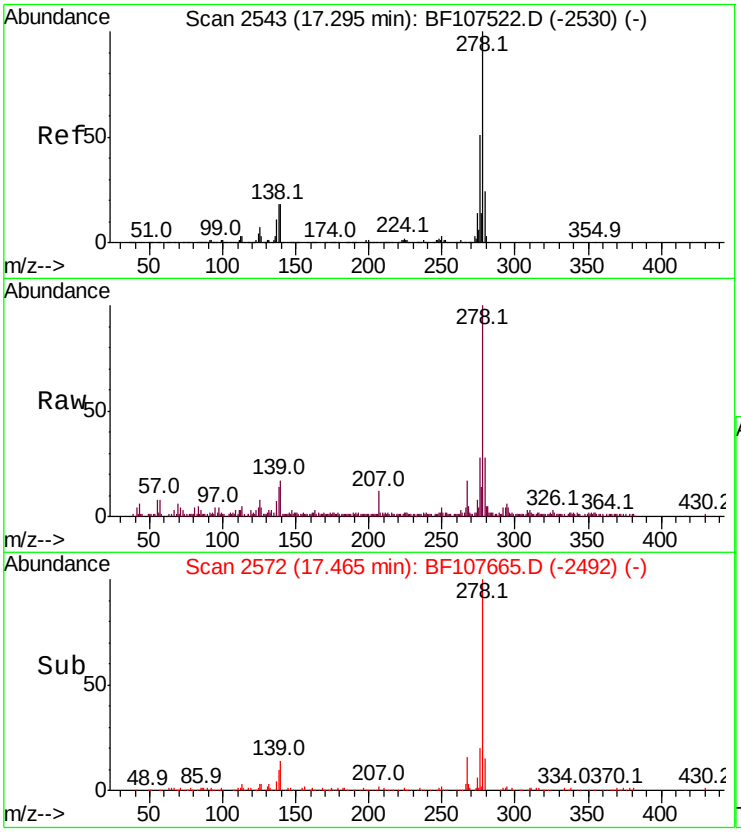


#89
Benzo(a)pyrene
Concen: 57.685 ng
RT: 15.64 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:252 Resp: 1115004

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	10.9	9.8	14.6



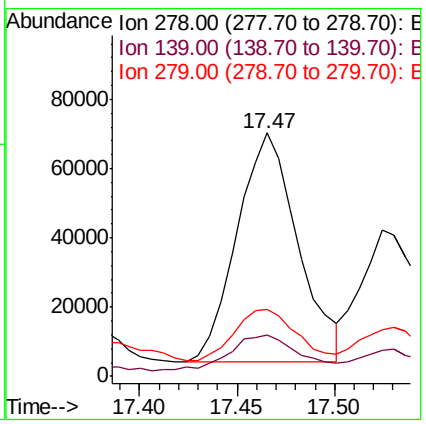


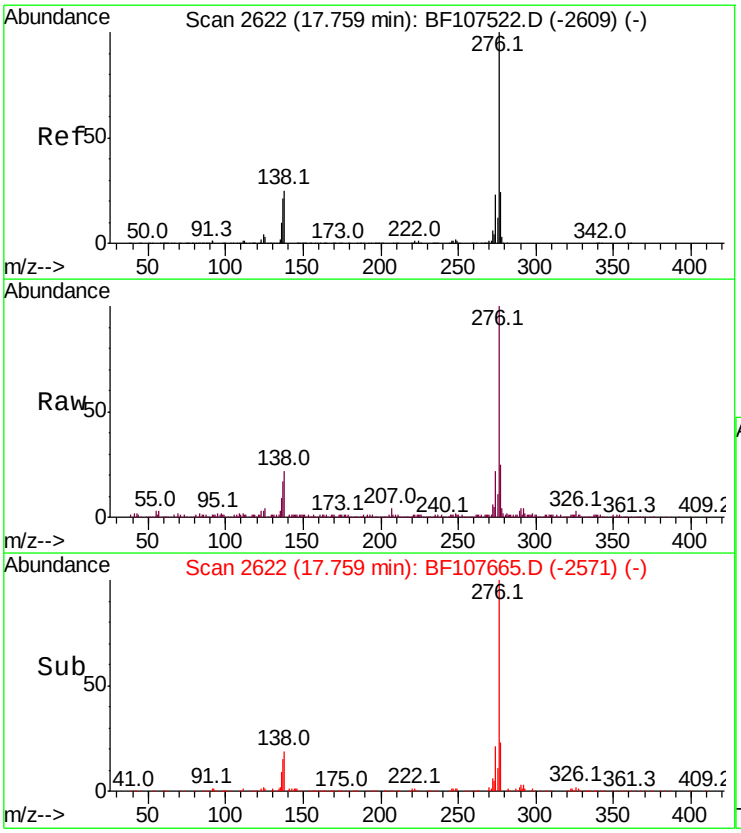
#90
Dibenzo(a,h)anthracene
Concen: 8.545 ng
RT: 17.47 min Scan# 2572
Delta R.T. 0.17 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 142777

Ion	Ratio	Lower	Upper
278	100		
139	16.9	15.9	23.9
279	27.7	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 26.840 ng
RT: 17.76 min Scan# 2622
Delta R.T. 0.00 min
Lab File: BF107665.D
Acq: 25 Jul 2018 18:56

Tgt Ion:276 Resp: 442364

Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	21.6	21.8	32.8#