Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101411.D
Acq On : 14 Dec 2017 23:24
Operator : SJ/JU
Sample : I6845-01 100X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Dec 15 02:14:08 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 15:42:32 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	186158	20.00	ng		0.00
21) Naphthalene-d8	8.10	136	734888	20.00	ng		0.00
38) Acenaphthene-d10	9.85	164	336104	20.00	ng		0.00
63) Phenanthrene-d10	11.35	188	620423	20.00	ng		0.00
75) Chrysene-d12	13.99	240	407629	20.00	ng		-0.01
86) Perylene-d12	15.46	264	349522	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.00	112	0	0.00	ng		
7) Phenol-d6	6.47	99	1716	0.11	ng		0.02
23) Nitrobenzene-d5	7.40	82	1055	0.08	ng		0.02
41) 2,4,6-Tribromophenol	10.66	330	284	0.09	ng		0.01
44) 2-Fluorobiphenyl	9.17	172	2100	0.10	ng		0.00
78) Terphenyl-d14	12.92	244	2951	0.17	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.49	94	35985	2.030	ng		97
20) 3+4-Methylphenols	7.25	107	44867	3.501	ng		85
31) Naphthalene	8.13	128	2697833	72.920	ng		99
32) Benzoic acid	7.90	122	14858	9.686	ng	#	18
33) 4-Chloroaniline	8.13	127	374070	23.263	ng	#	35
35) Caprolactam	8.81	113	11252	3.076	ng	#	1
37) 2-Methylnaphthalene	8.81	142	511792	21.232	ng		99
45) 1,1'-Biphenyl	9.27	154	134553	4.514	ng		97
48) Acenaphthylene	9.72	152	634503	17.614	ng		99
50) 2,6-Dinitrotoluene	9.85	165	50673	9.222	ng	#	26
51) Acenaphthene	9.89	154	56535	2.612	ng		95
54) Dibenzofuran	10.06	168	429644	15.621	ng		98
55) 4-Nitrophenol	10.06	139	164991	55.234	ng	#	10
57) Fluorene	10.40	166	510574	21.944	ng		98
70) Phenanthrene	11.37	178	1400962	40.604	ng		98
71) Anthracene	11.42	178	662437	18.796	ng		100
72) Carbazole	11.58	167	218741	6.629	ng		98
74) Fluoranthene	12.56	202	995258	27.482	ng		98
77) Pyrene	12.79	202	764613	24.994	ng		99
80) Benzo(a)anthracene	13.98	228	330683	12.286	ng		96
82) Chrysene	14.02	228	271349	10.677	ng		98
85) Indeno(1,2,3-cd)pyrene	16.94	276	85157	3.763	ng	#	91
87) Benzo(b)fluoranthene	15.03	252	313820	14.730	ng		97
88) Benzo(k)fluoranthene	15.03	252	313820	15.151	ng		100
89) Benzo(a)pyrene	15.40	252	177285	9.027	ng		99
91) Benzo(g,h,i)perylene	17.39	276	70924	4.248	ng		99

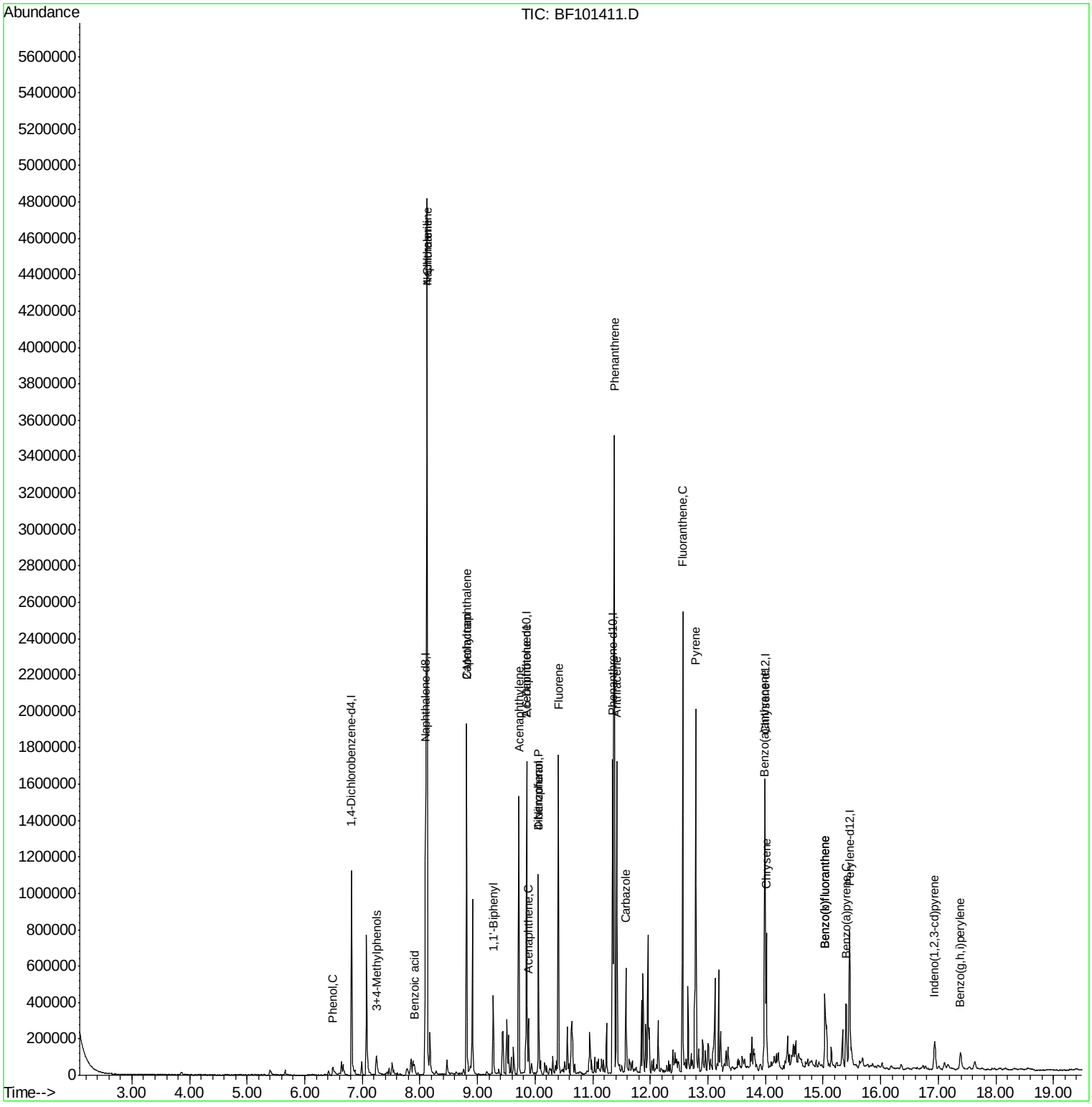
(#) = qualifier out of range (m) = manual integration (+) = signals summed

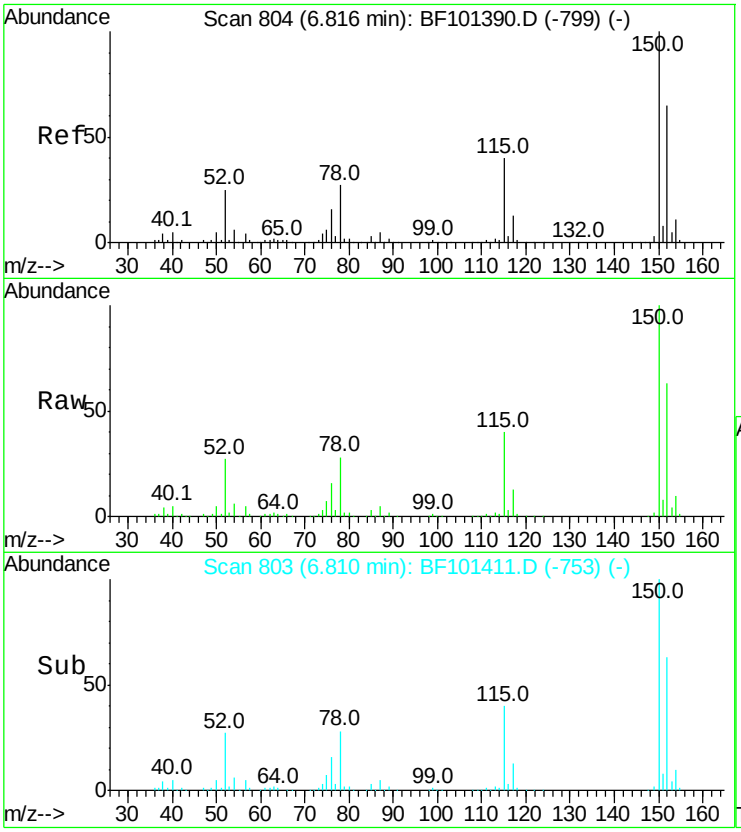
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101411.D
Acq On : 14 Dec 2017 23:24
Operator : SJ/JU
Sample : I6845-01 100X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 15 02:14:08 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 15:42:32 2017
Response via : Initial Calibration

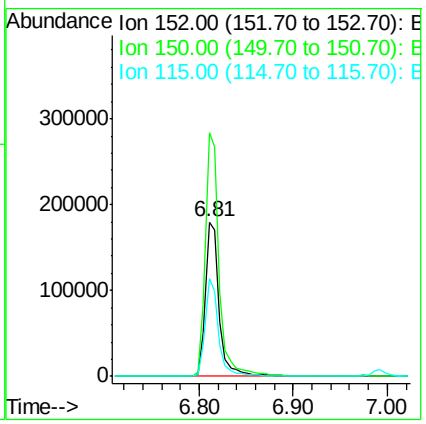




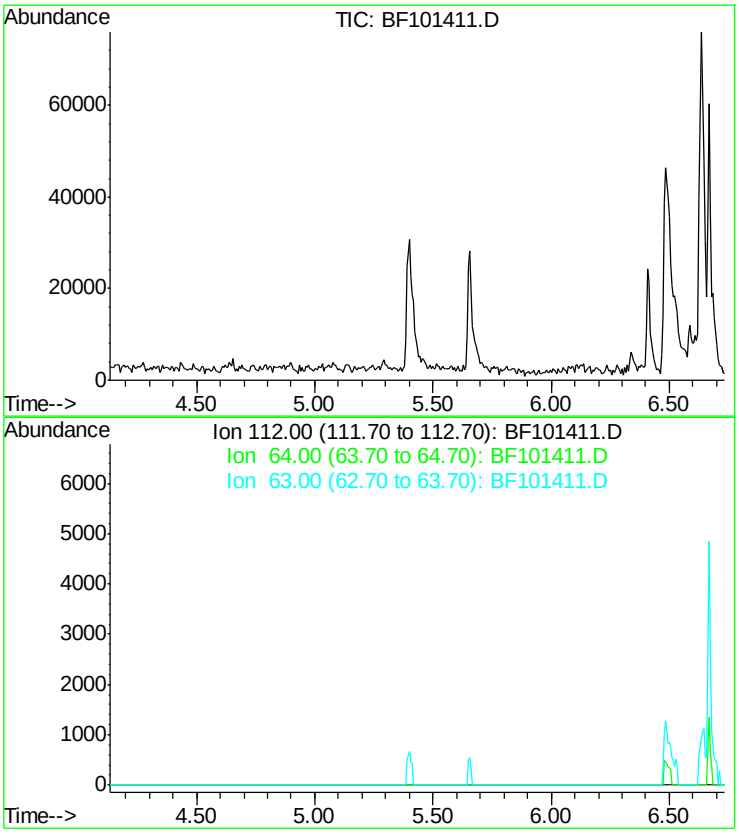
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:152 Resp: 186158

Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	62.9	50.1	75.1



Instrument :
BNA_F
ClientSampleId :

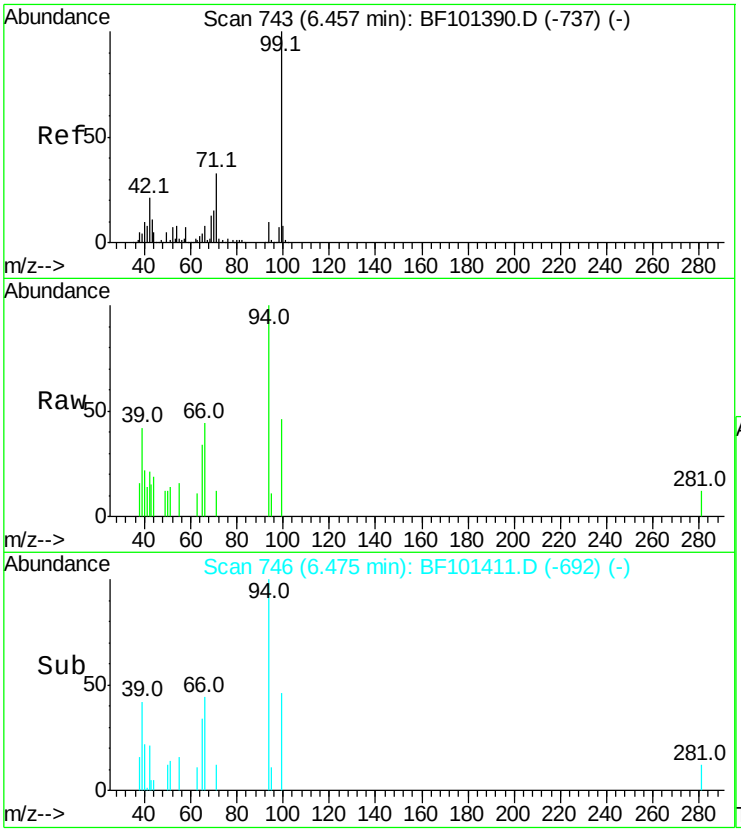


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.43 min

Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	59.9
63	29.6

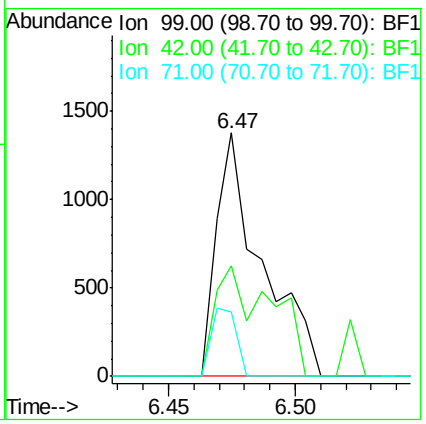


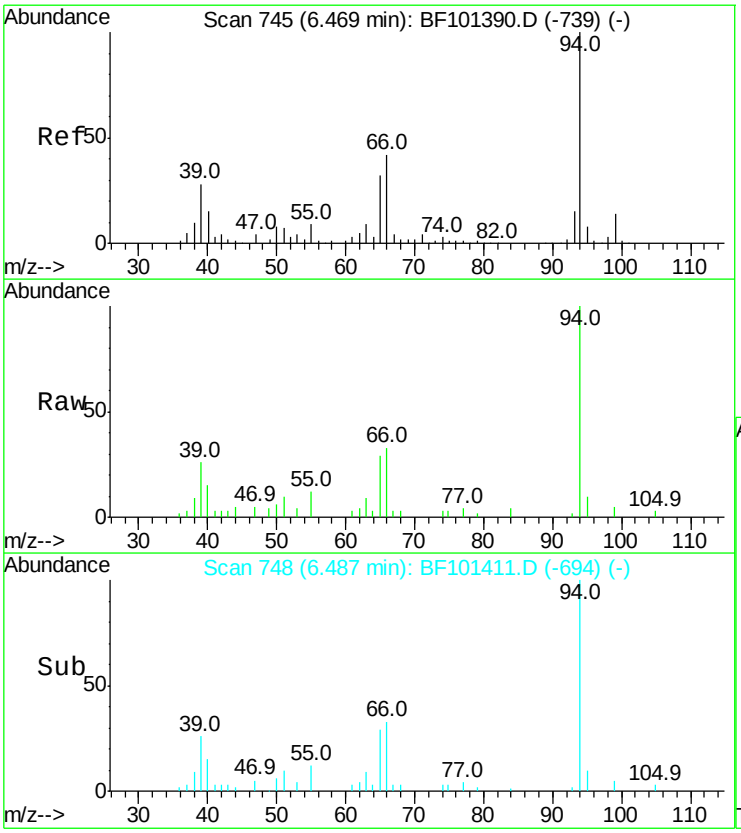
#7
Phenol-d6
Concen: 0.110 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.02 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 1716

Ion	Ratio	Lower	Upper
99	100		
42	45.6	14.5	21.7#
71	26.3	25.4	38.0

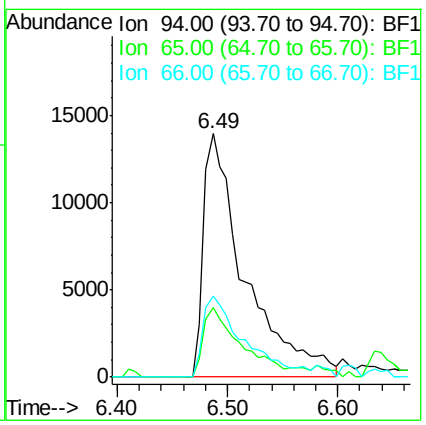


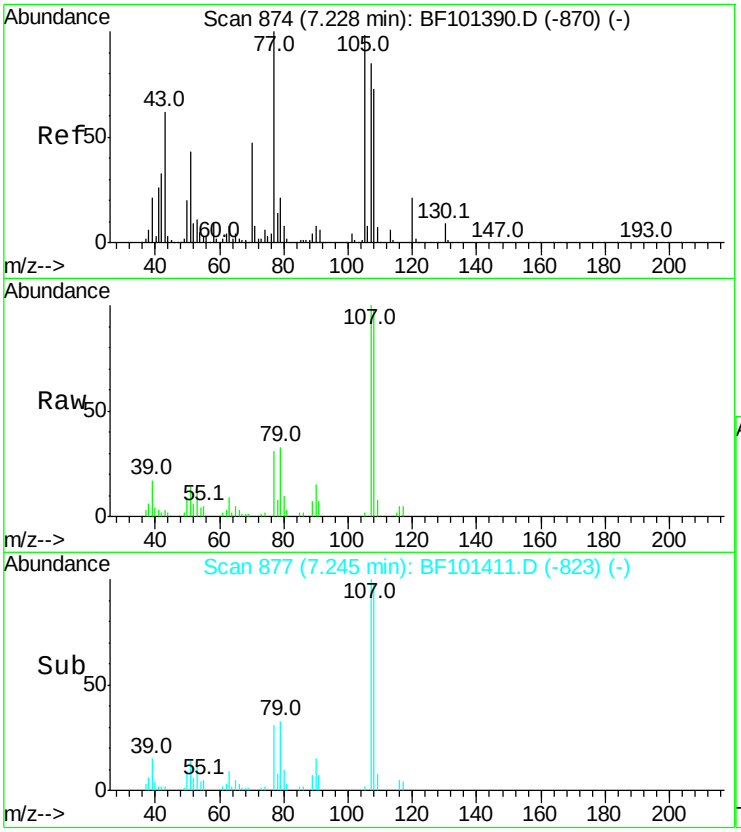


#10
Phenol
Concen: 2.030 ng
RT: 6.49 min Scan# 748
Delta R.T. 0.02 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion: 94 Resp: 35985

Ion	Ratio	Lower	Upper
94	100		
65	28.7	7.9	47.9
66	33.4	16.2	56.2



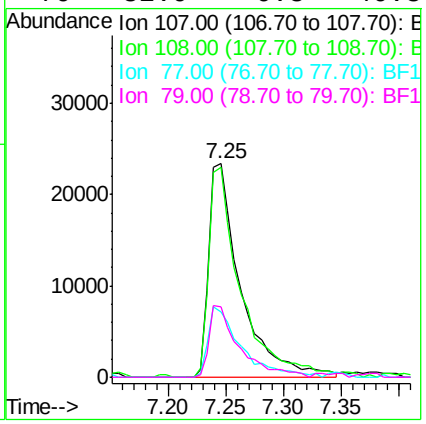


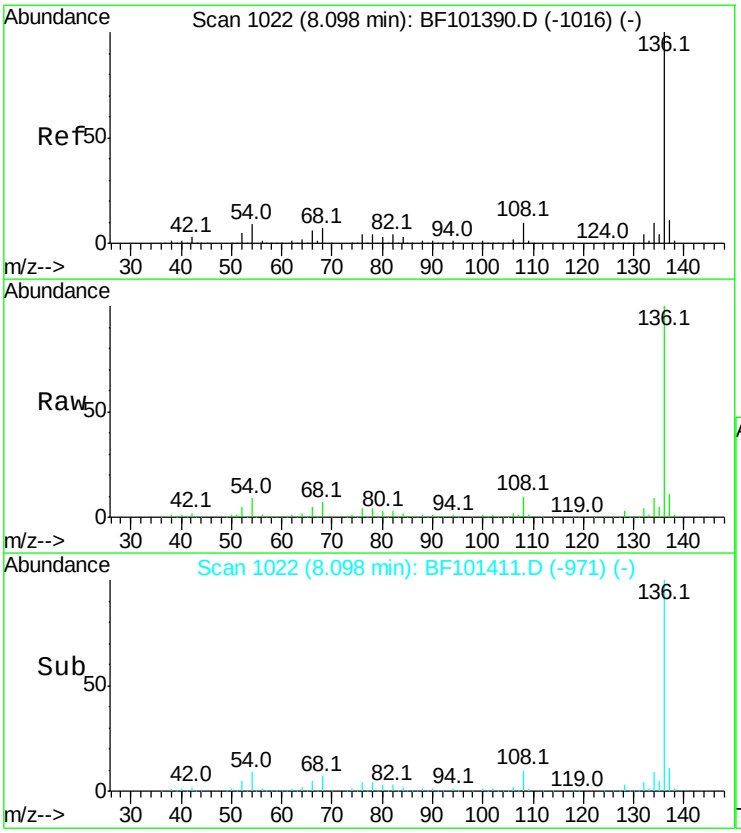
#20
3+4-Methylphenols
Concen: 3.501 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.02 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:107 Resp: 44867

Ion	Ratio	Lower	Upper
107	100		
108	98.4	68.2	108.2
77	30.5	26.7	66.7
79	32.9	6.3	46.3

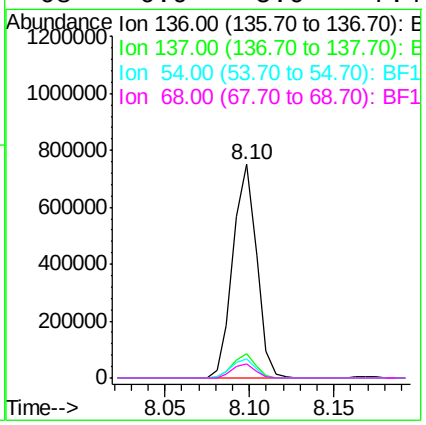


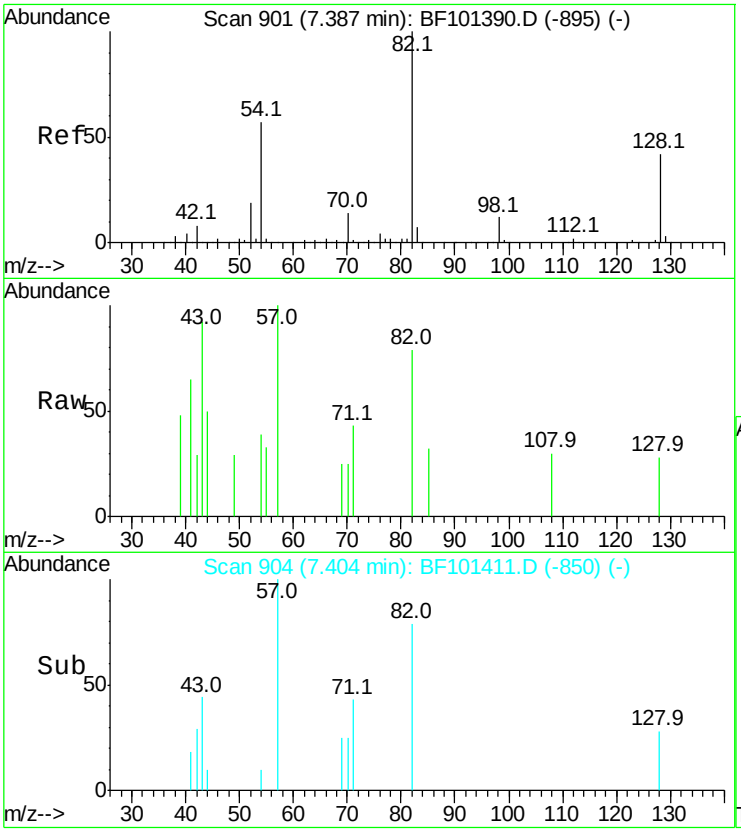


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:136 Resp: 734888

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.0	6.6	9.8
68	6.9	5.0	7.4

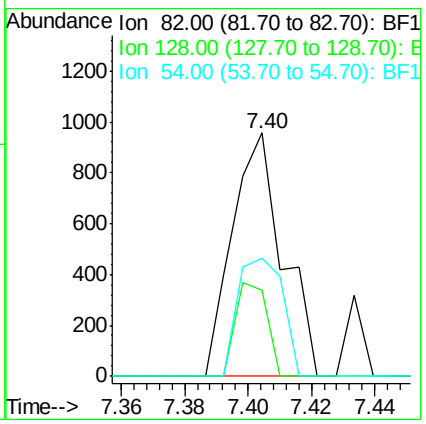




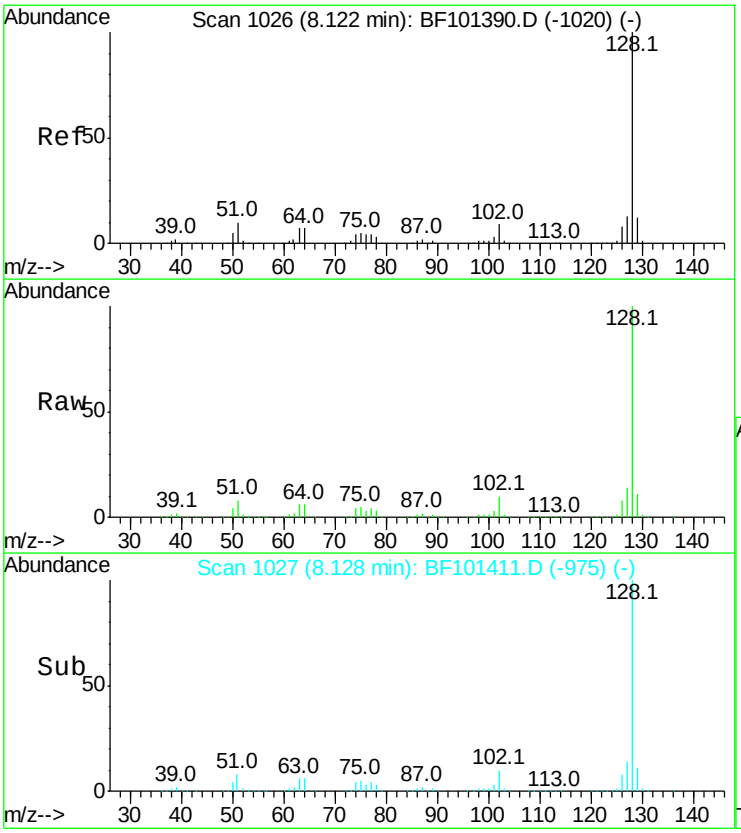
#23
Nitrobenzene-d5
Concen: 0.080 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.02 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion: 82 Resp: 1055

Ion	Ratio	Lower	Upper
82	100		
128	35.4	36.1	54.1#
54	48.7	41.4	62.2



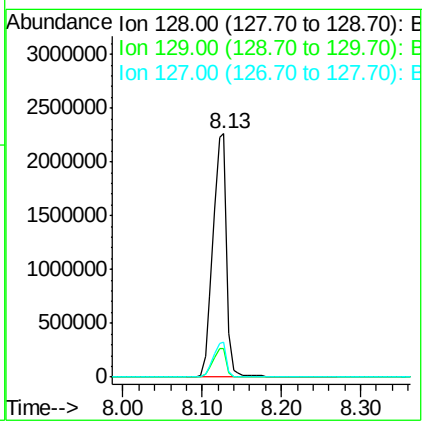
Instrument :
BNA_F
ClientSampleId :

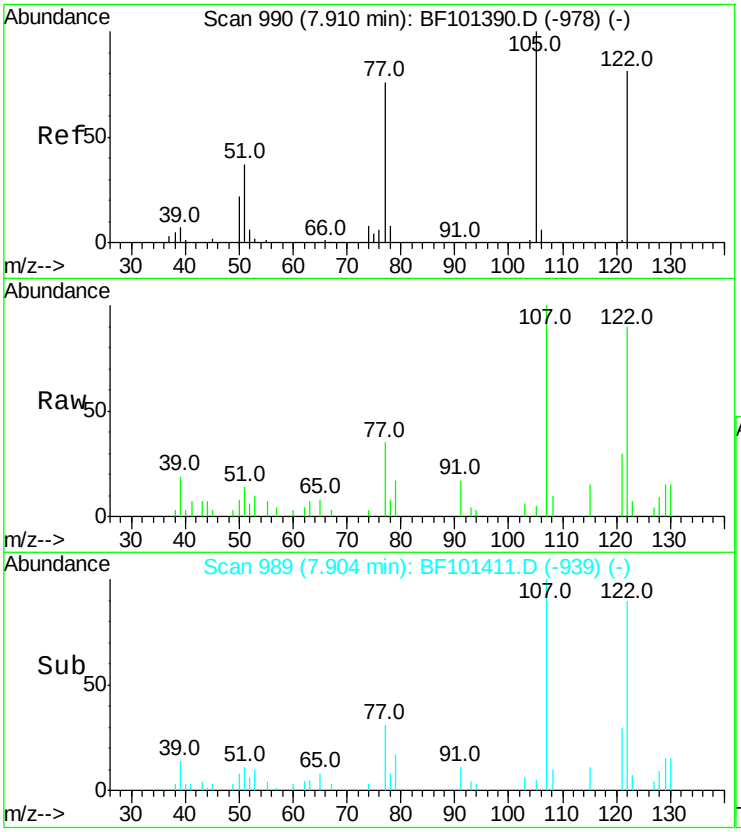


#31
Naphthalene
Concen: 72.920 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:128 Resp: 2697833

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	14.2	10.9	16.3



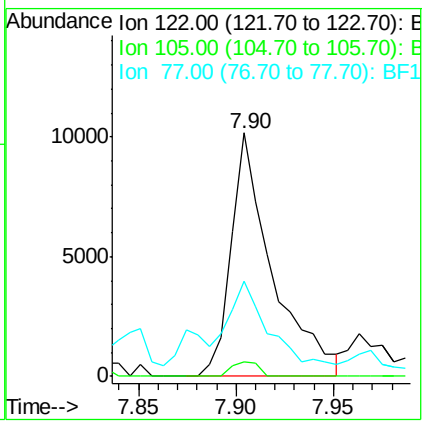


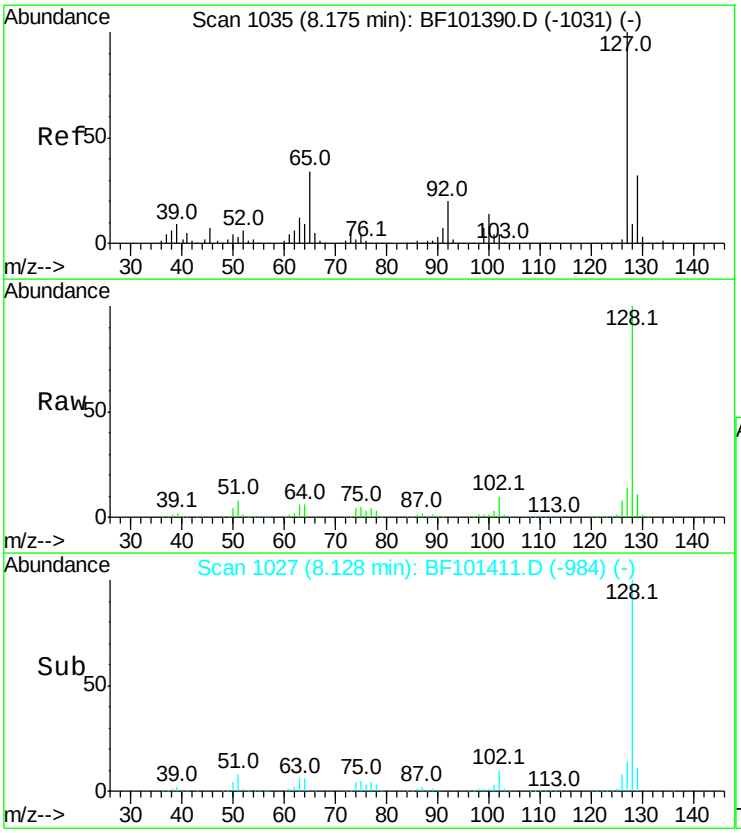
#32
Benzoic acid
Concen: 9.686 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 14858

Ion	Ratio	Lower	Upper
122	100		
105	5.7	101.1	141.1#
77	39.1	70.7	110.7#

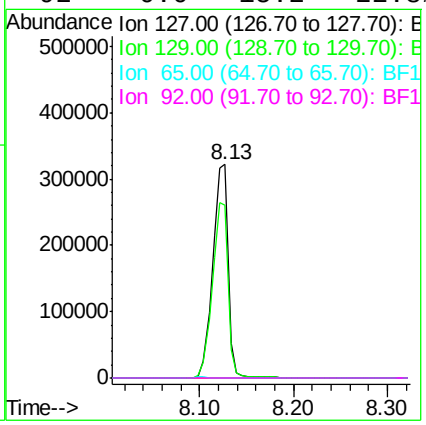


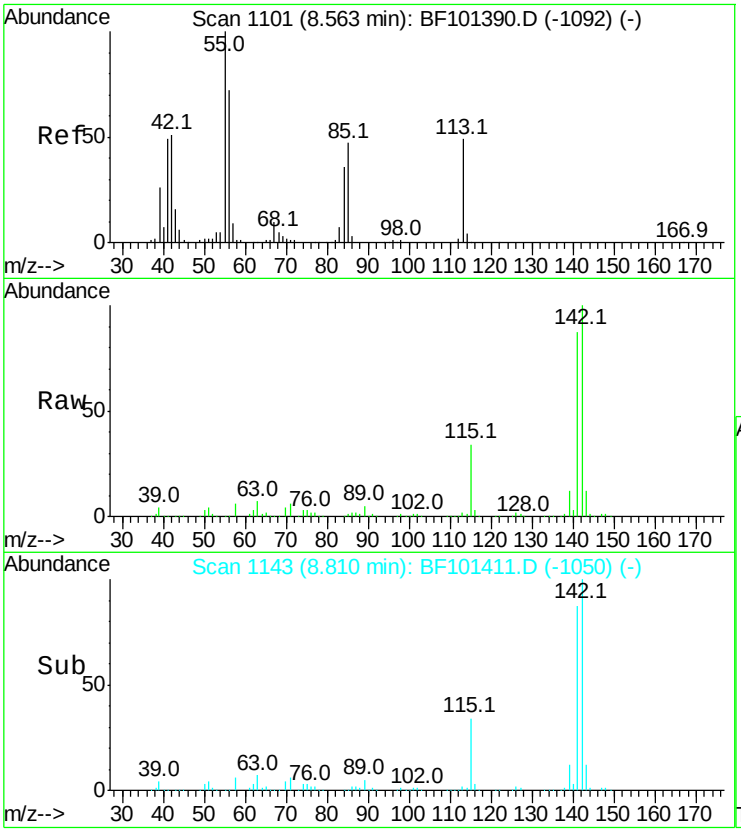


#33
4-Chloroaniline
Concen: 23.263 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.05 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:127 Resp: 374070

Ion	Ratio	Lower	Upper
127	100		
129	80.8	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



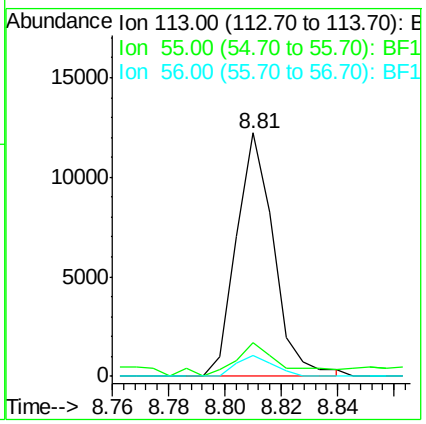


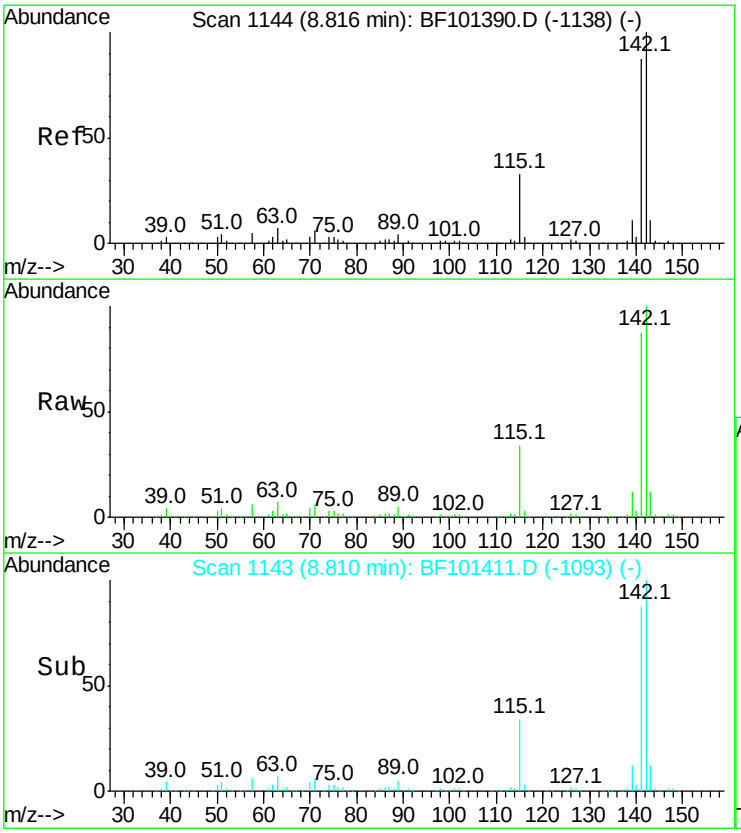
#35
Caprolactam
Concen: 3.076 ng
RT: 8.81 min Scan# 1143
Delta R.T. 0.25 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:113 Resp: 11252

Ion	Ratio	Lower	Upper
113	100		
55	13.8	163.3	203.3#
56	8.6	115.7	155.7#

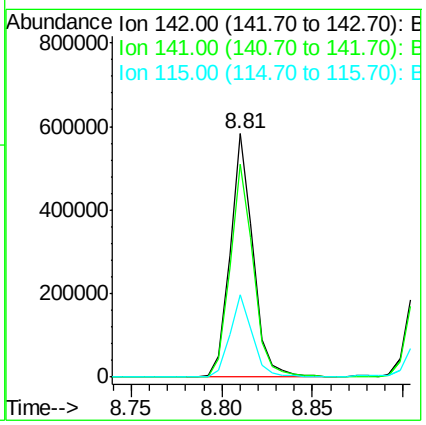


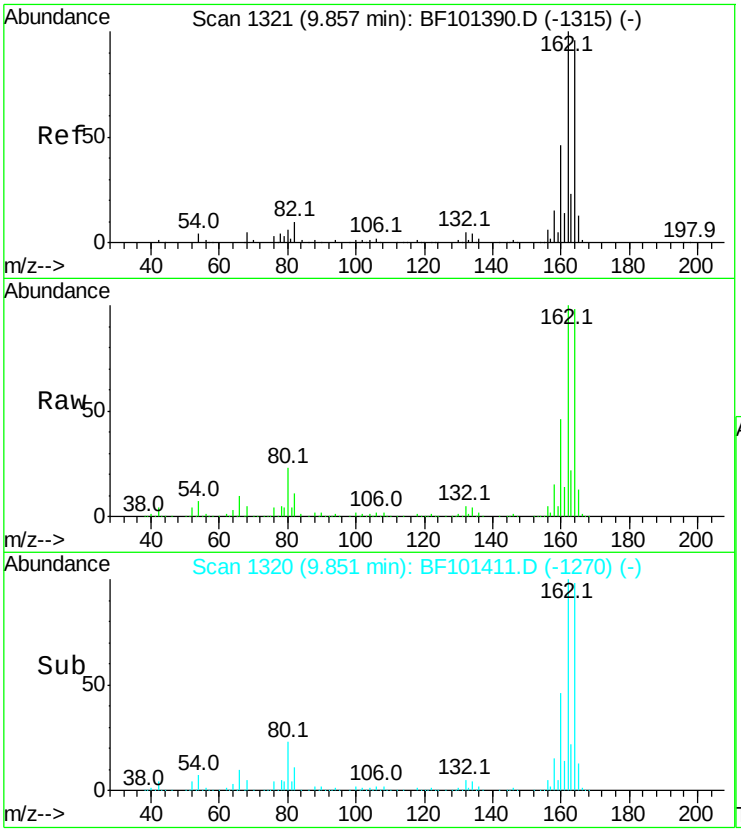


#37
2-Methylnaphthalene
Concen: 21.232 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:142 Resp: 511792

Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.8	106.2
115	33.6	26.1	39.1

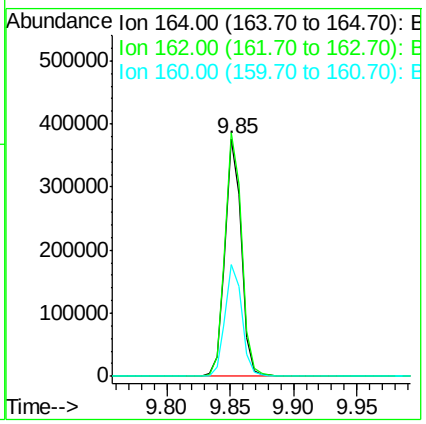




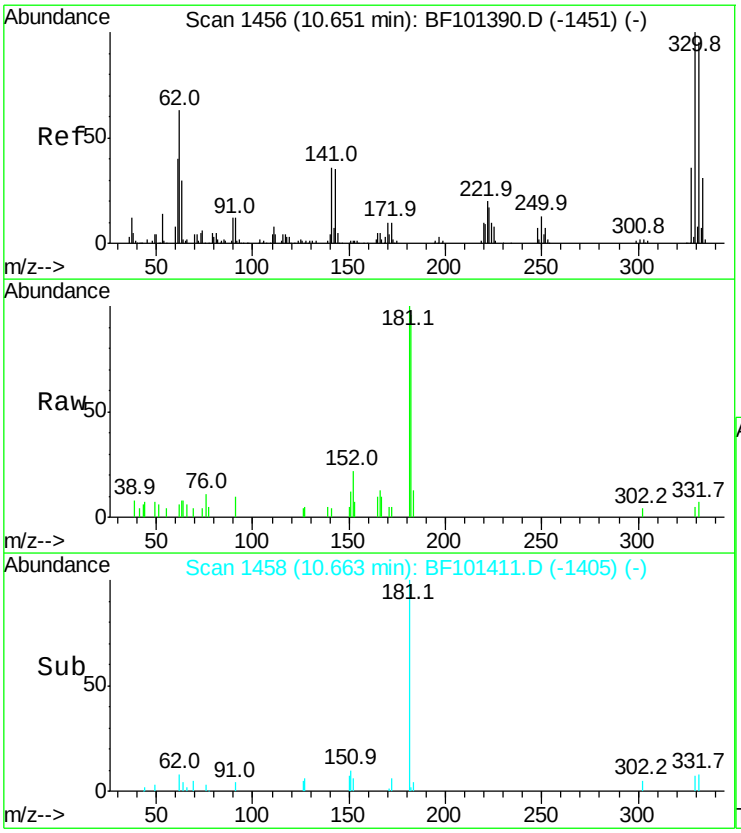
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:164 Resp: 336104

Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	47.2	38.3	57.5



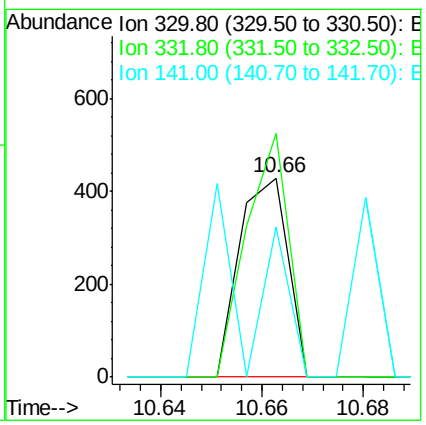
Instrument :
BNA_F
ClientSampleId :

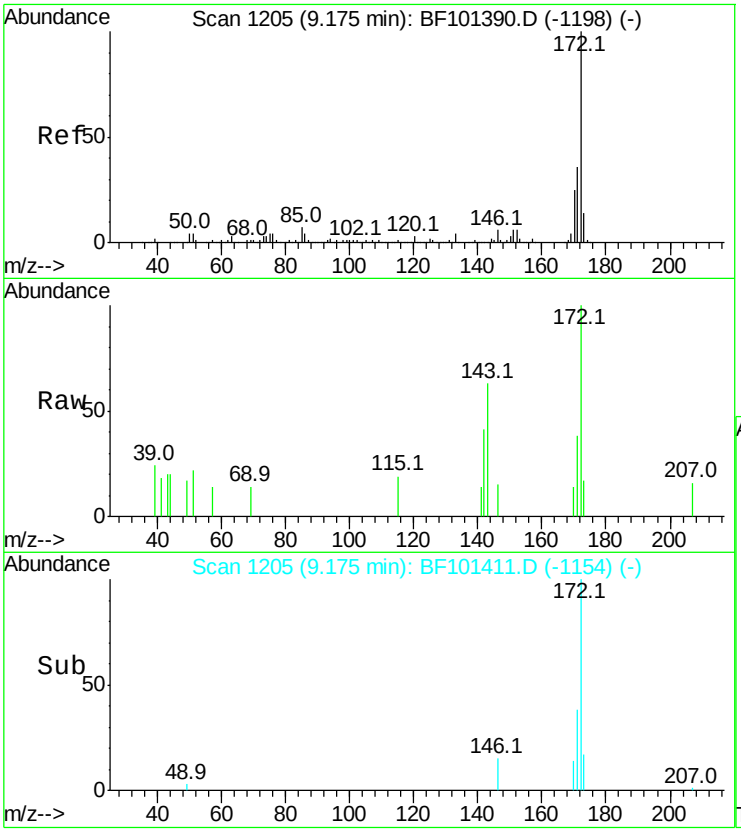


#41
2,4,6-Tribromophenol
Concen: 0.088 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:330 Resp: 284

Ion	Ratio	Lower	Upper
330	100		
332	105.6	77.0	115.6
141	92.3	29.9	44.9#



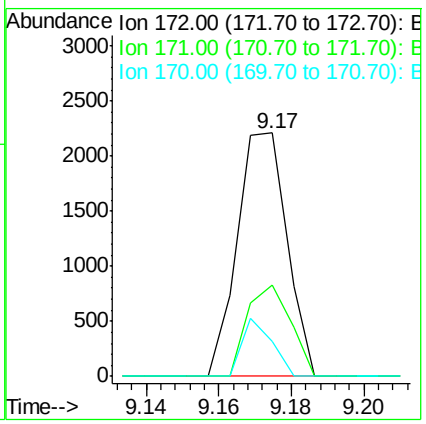


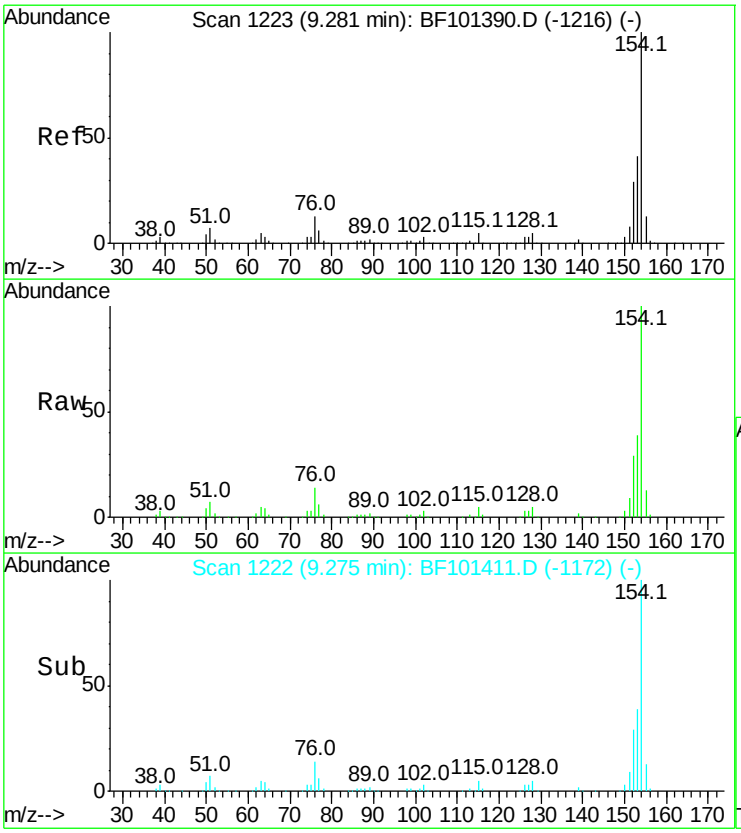
#44
2-Fluorobiphenyl
Concen: 0.097 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 2100

Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.7	44.5
170	14.3	19.6	29.4#

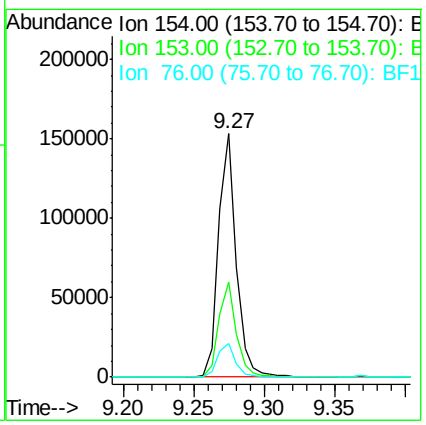


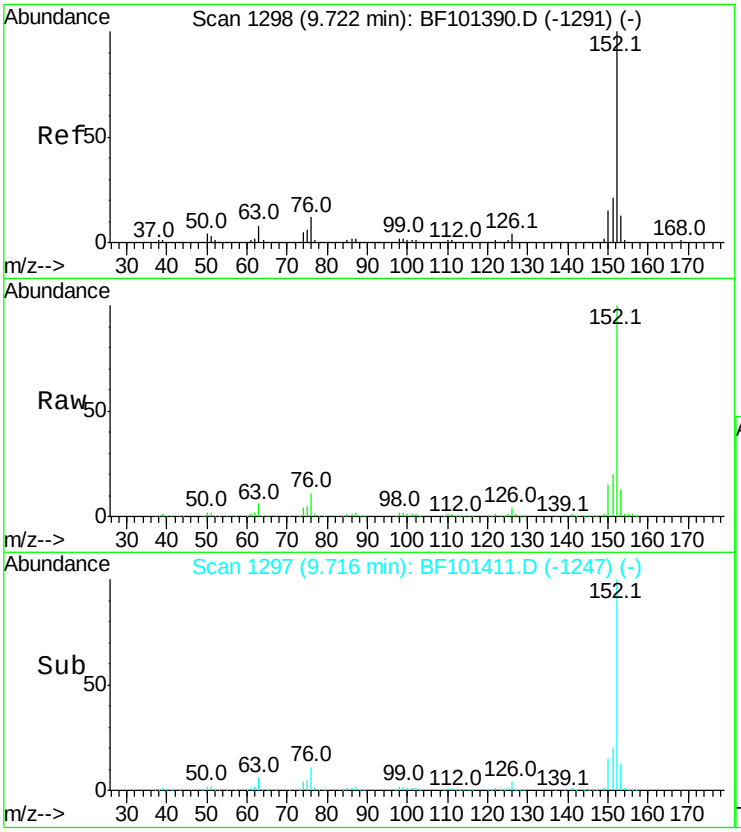


#45
1,1'-Biphenyl
Concen: 4.514 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:154 Resp: 134553

Ion	Ratio	Lower	Upper
154	100		
153	39.0	21.3	61.3
76	14.0	0.0	34.0



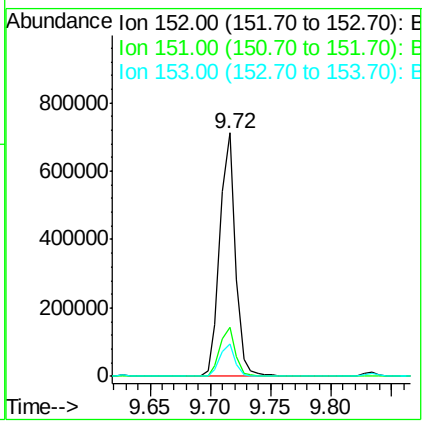


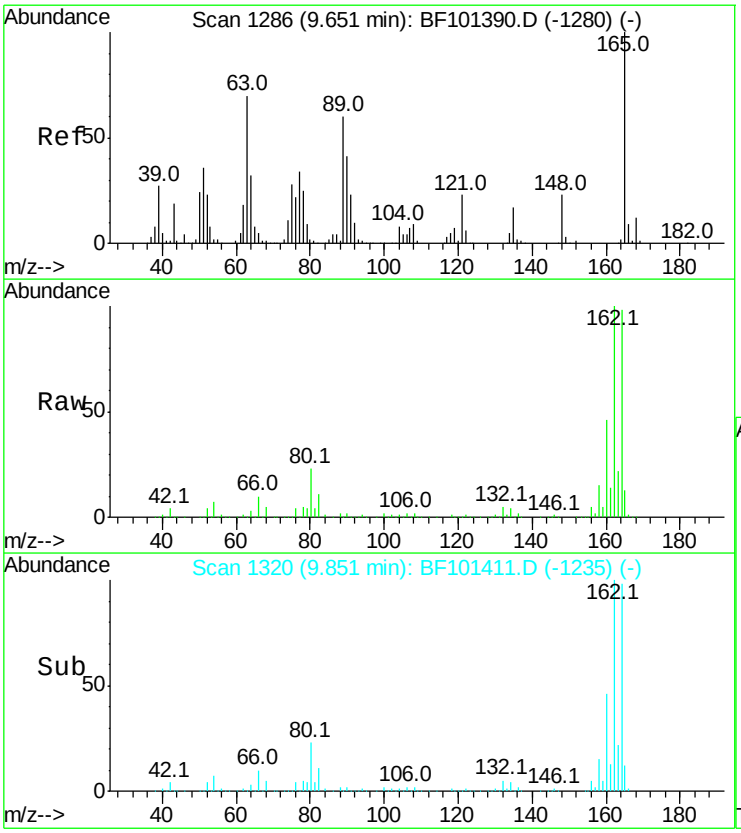
#48
Acenaphthylene
Concen: 17.614 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 634503

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.4	10.7	16.1

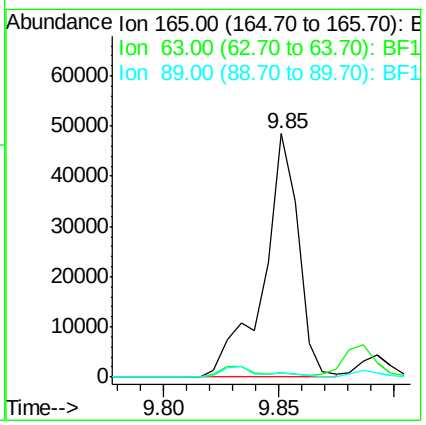


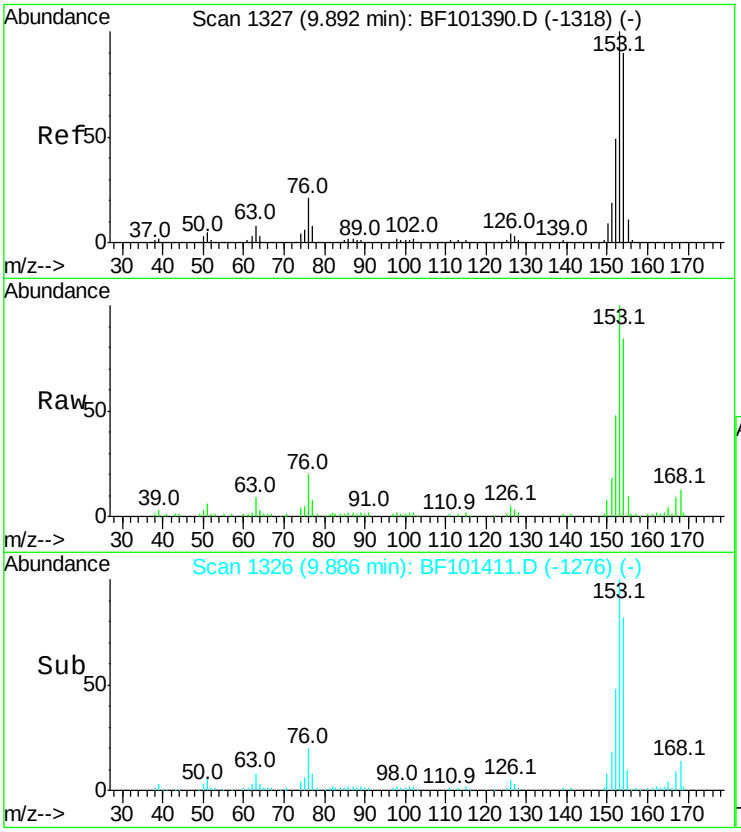


#50
2,6-Dinitrotoluene
Concen: 9.222 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.20 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:165 Resp: 50673

Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.8	44.0	66.0#



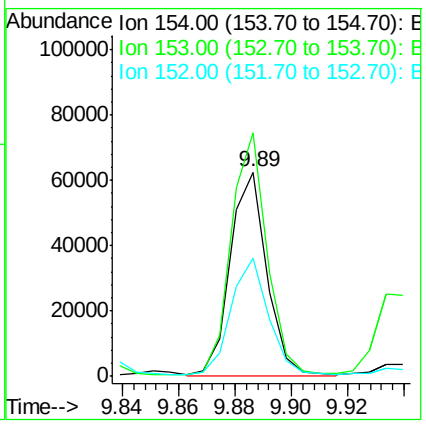


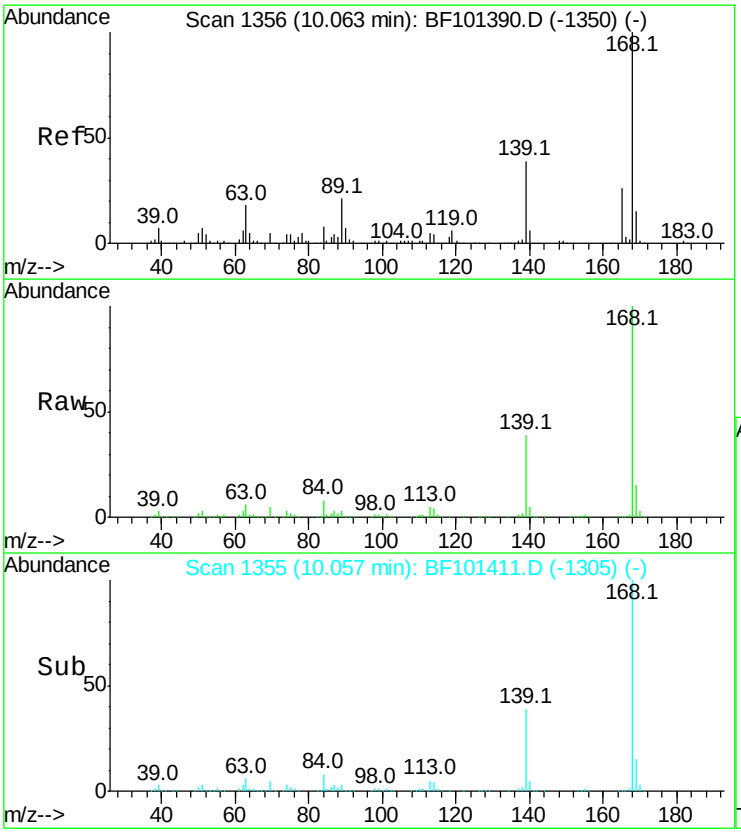
#51
Acenaphthene
Concen: 2.612 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 56535

Ion	Ratio	Lower	Upper
154	100		
153	119.2	91.2	136.8
152	57.8	43.8	65.8

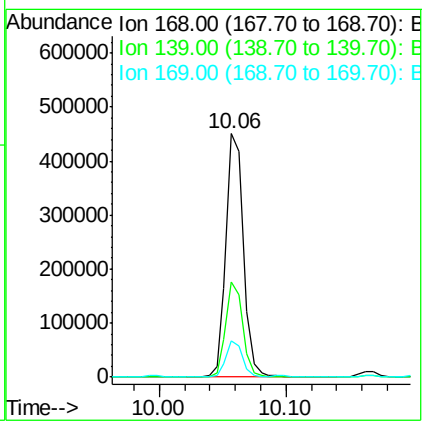


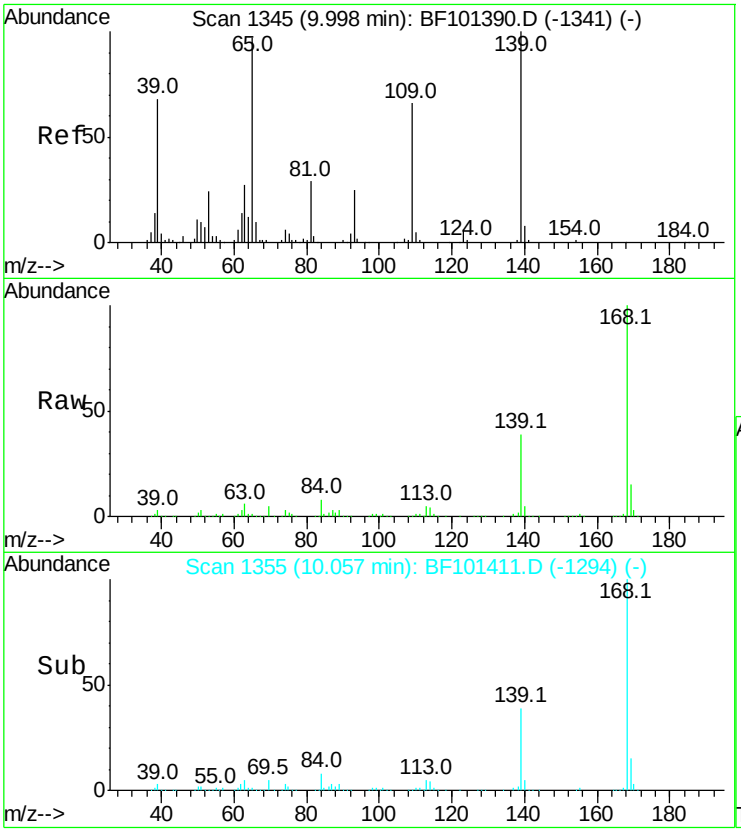


#54
Dibenzofuran
Concen: 15.621 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:168 Resp: 429644

Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.1	45.1
169	14.8	10.9	16.3



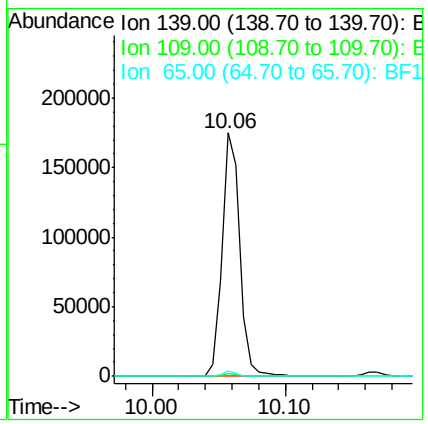


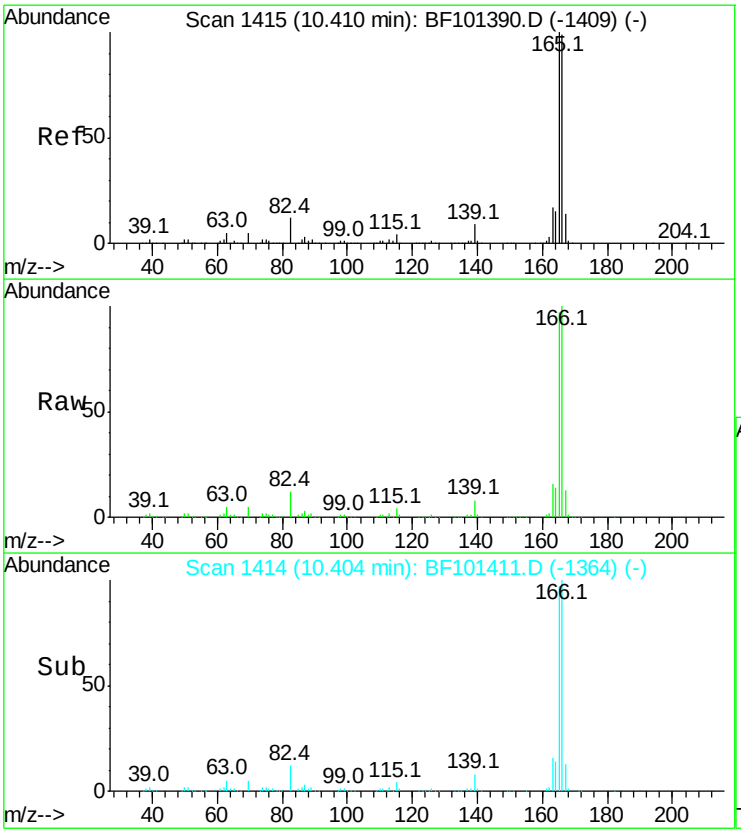
#55
4-Nitrophenol
Concen: 55.234 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.06 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 164991

Ion	Ratio	Lower	Upper
139	100		
109	1.0	48.4	88.4#
65	2.1	72.6	112.6#

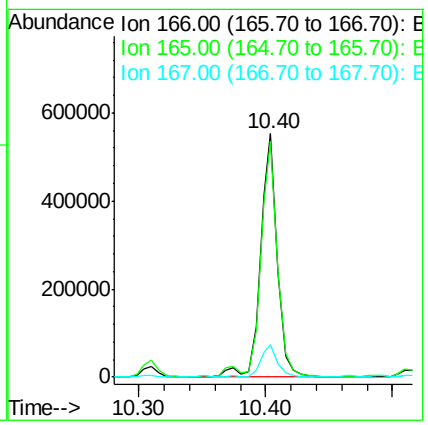


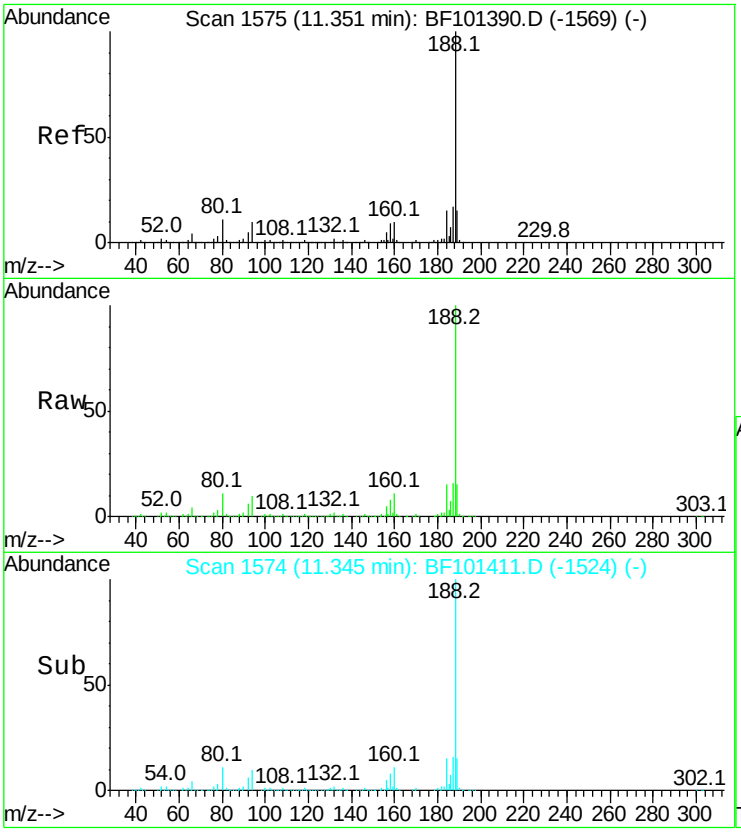


#57
Fluorene
Concen: 21.944 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:166 Resp: 510574

Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.8	119.8
167	13.2	10.6	16.0



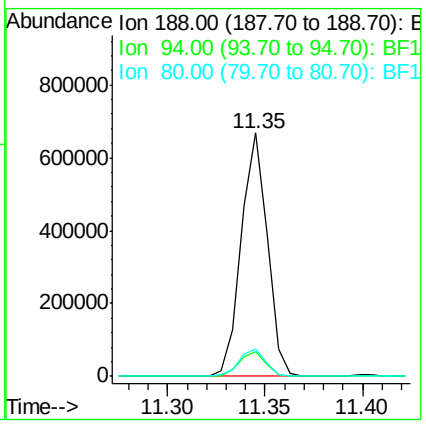


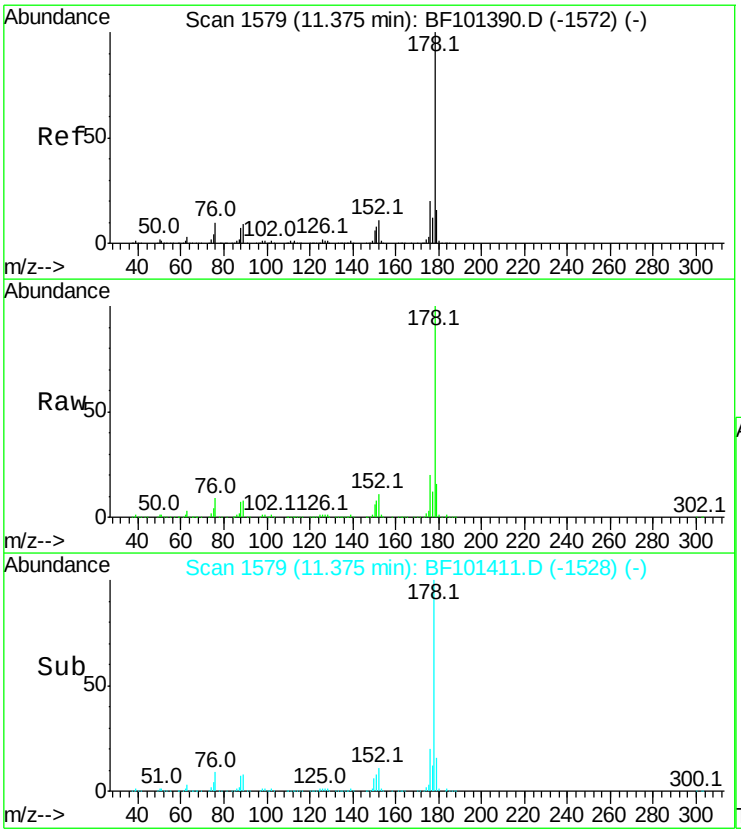
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 620423

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.4	9.2	13.8

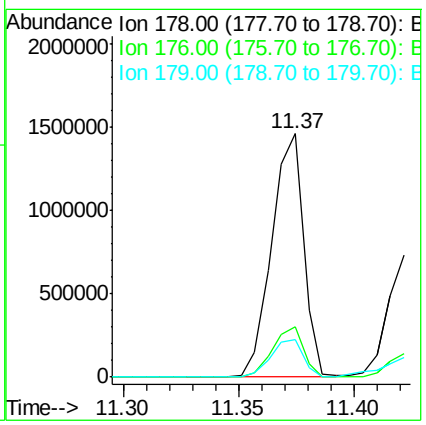


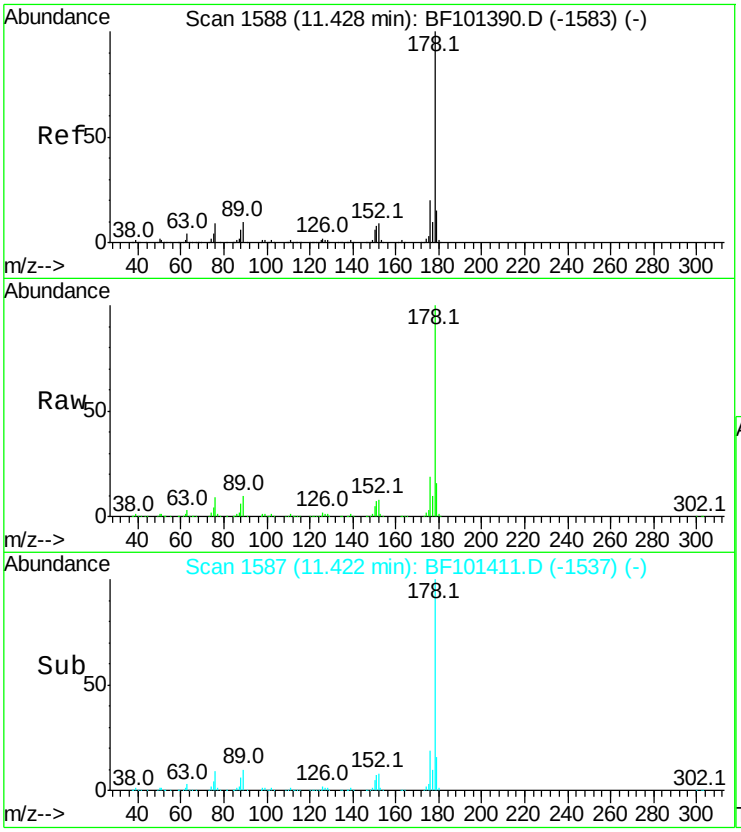


#70
Phenanthrene
Concen: 40.604 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:178 Resp: 1400962

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	15.6	13.0	19.6



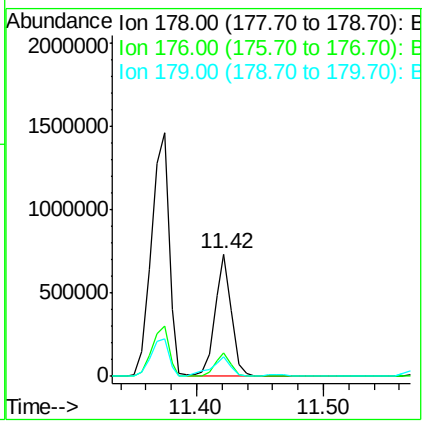


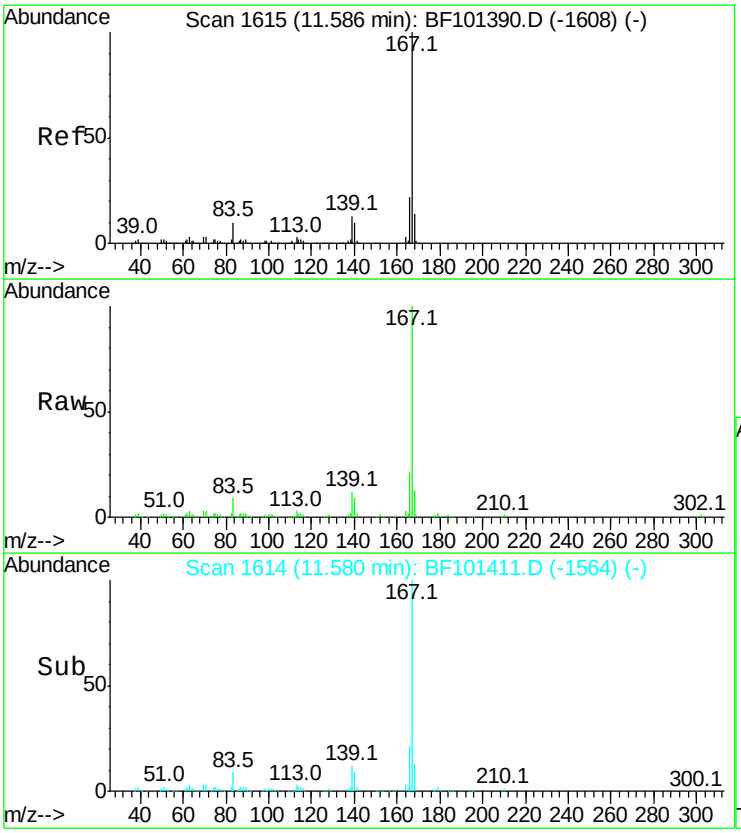
#71
Anthracene
Concen: 18.796 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 662437

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.6	12.6	19.0

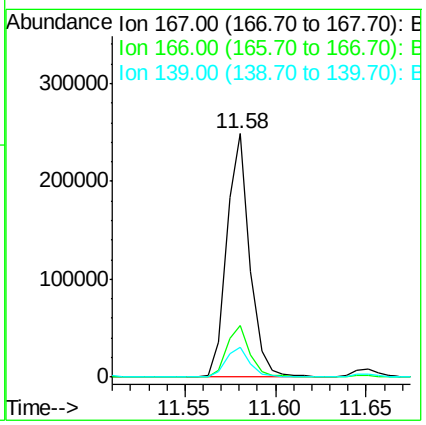


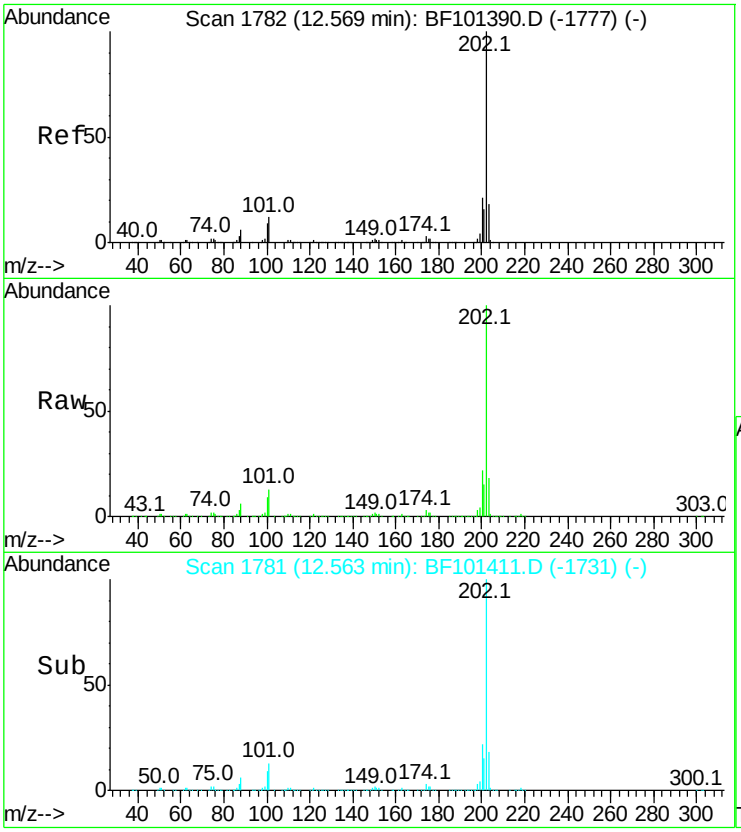


#72
Carbazole
Concen: 6.629 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:167 Resp: 218741

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.6	26.4
139	12.4	10.9	16.3



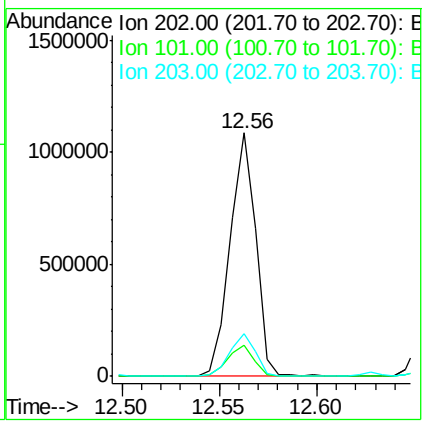


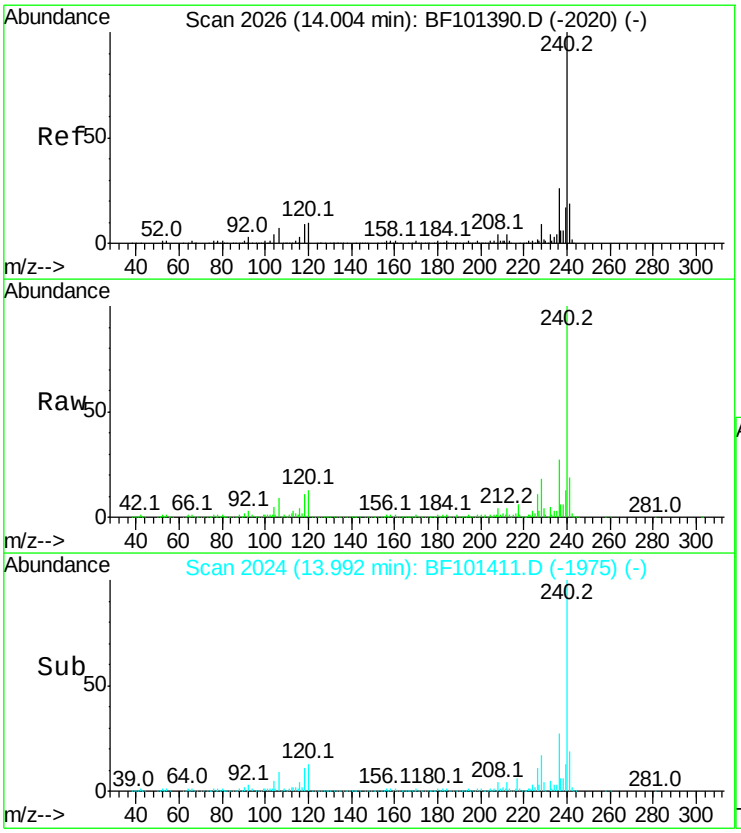
#74
Fluoranthene
Concen: 27.482 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 995258

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.6	0.0	38.1

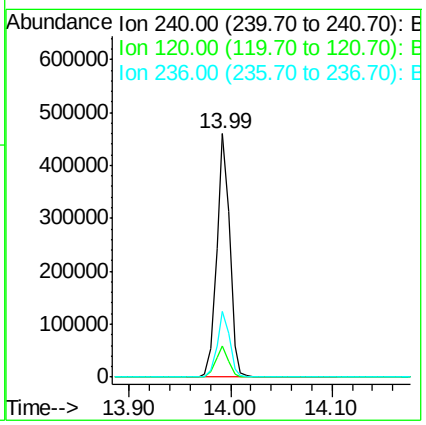


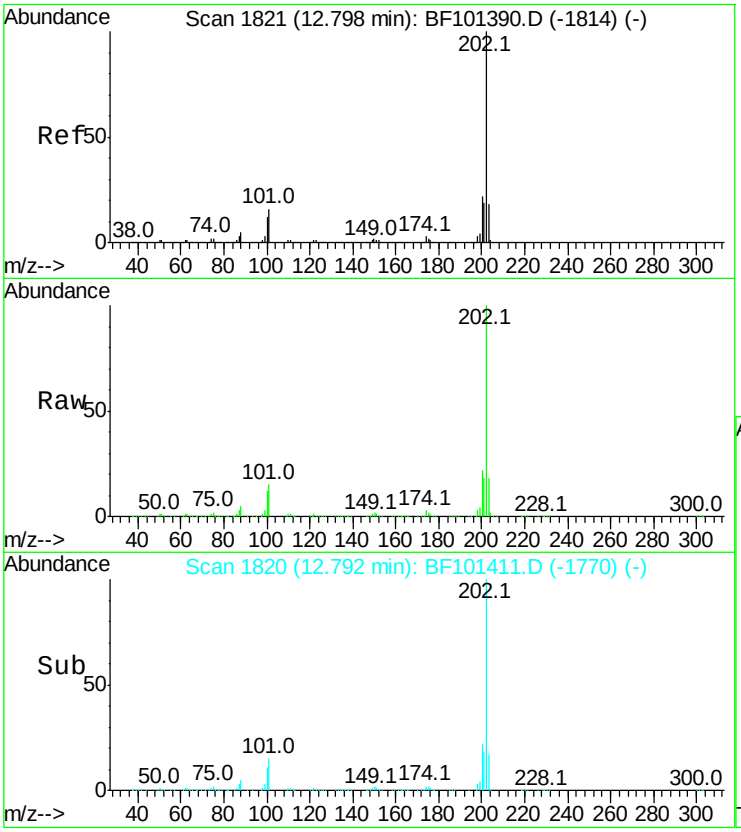


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:240 Resp: 407629

Ion	Ratio	Lower	Upper
240	100		
120	12.9	9.5	14.3
236	26.7	20.7	31.1



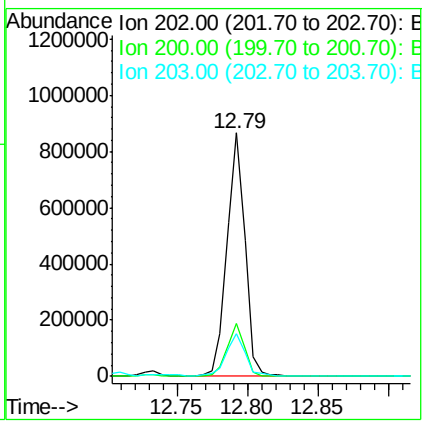


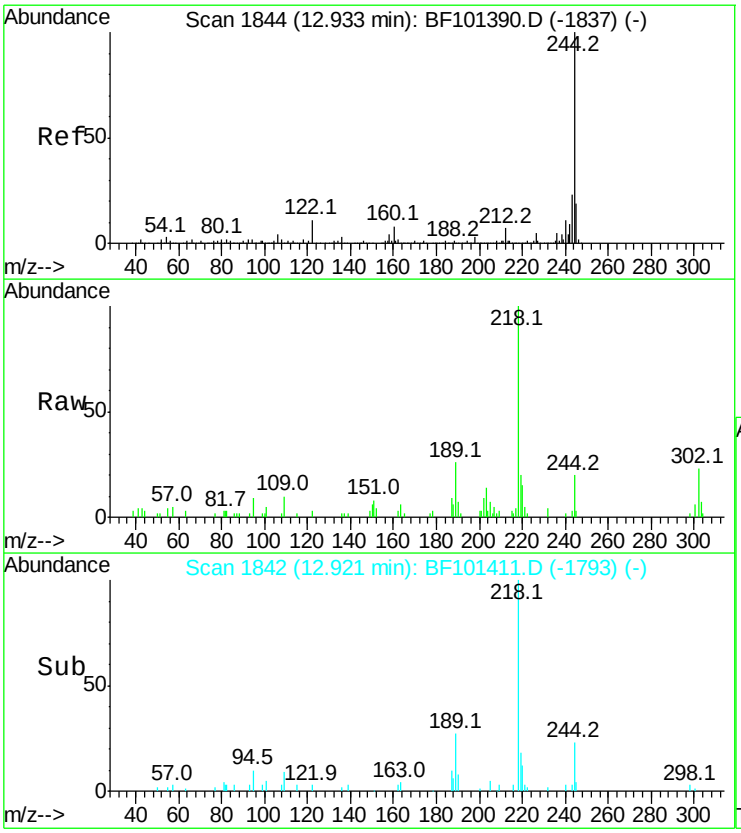
#77
Pyrene
Concen: 24.994 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 764613

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.6	14.3	21.5

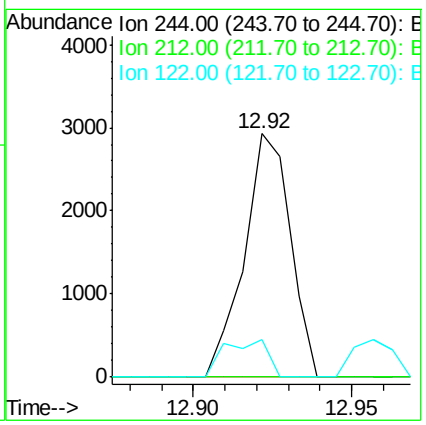


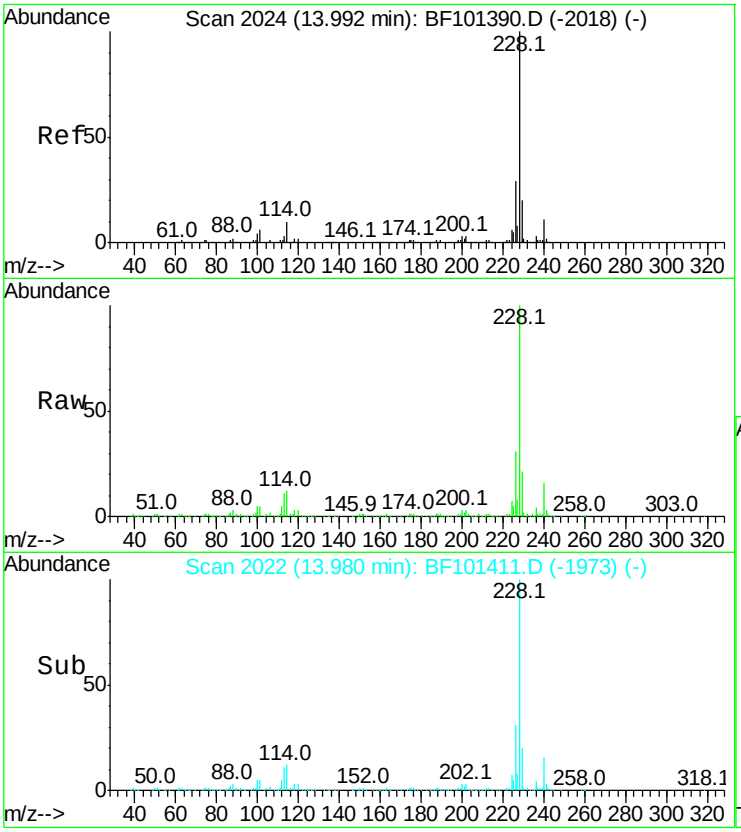


#78
Terphenyl-d14
Concen: 0.175 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:244 Resp: 2951

Ion	Ratio	Lower	Upper
244	100		
212	0.0	5.4	8.0#
122	15.4	11.0	16.4



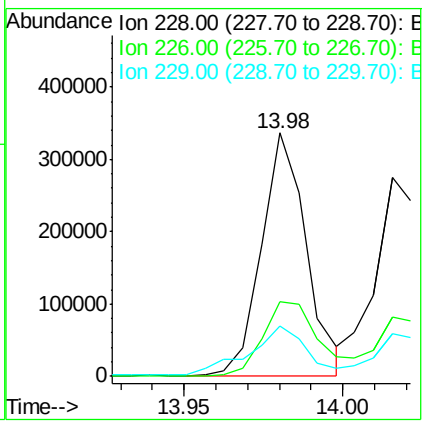


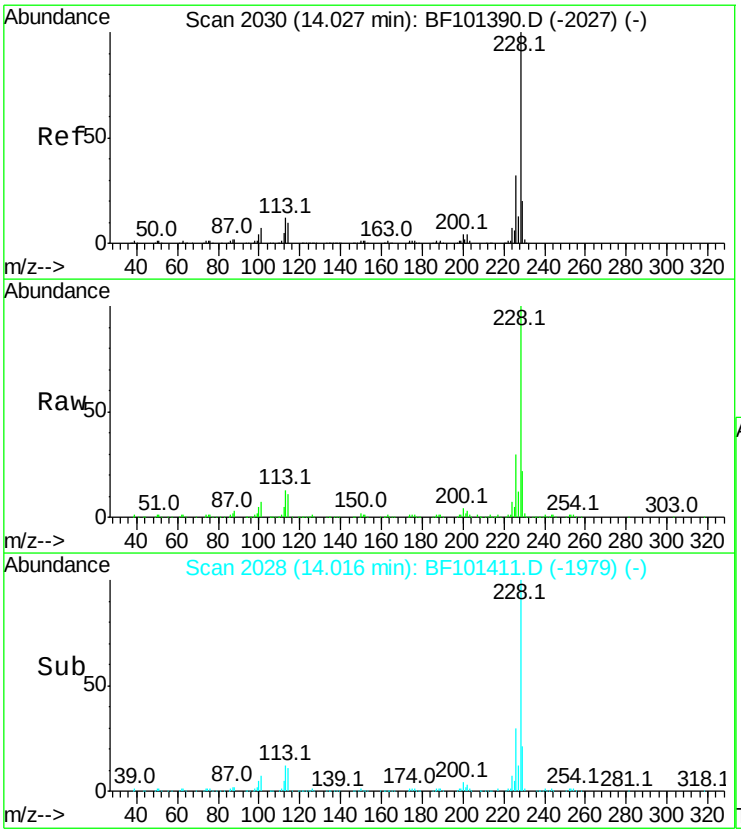
#80
Benzo(a)anthracene
Concen: 12.286 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 330683

Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	20.7	15.8	23.6

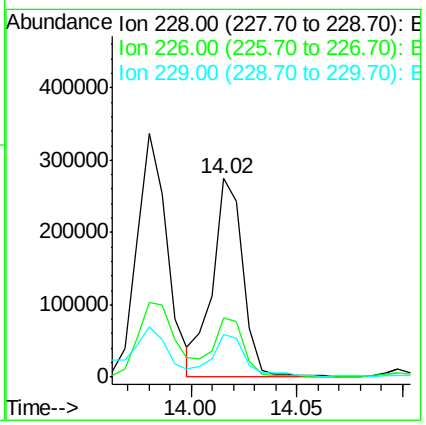


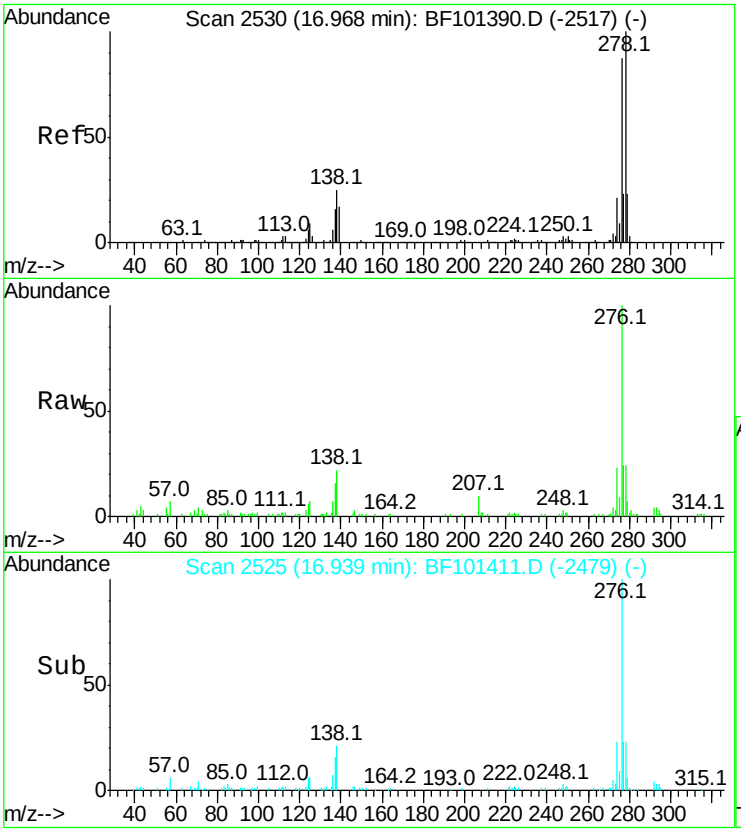


#82
Chrysene
Concen: 10.677 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:228 Resp: 271349

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.5	16.2	24.4



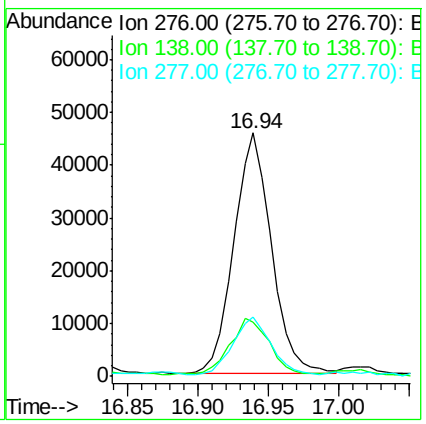


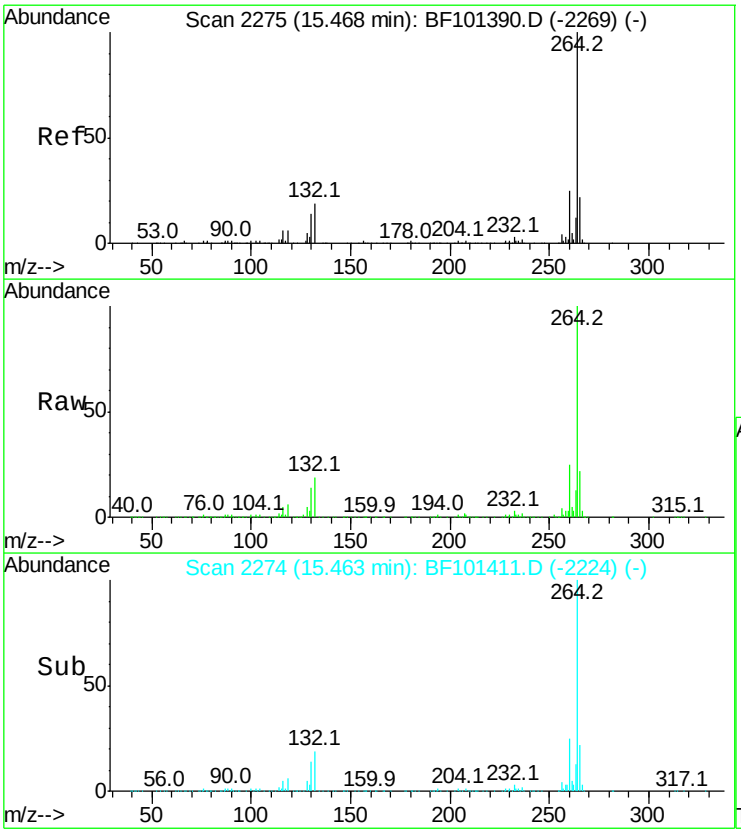
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.763 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.03 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 85157

Ion	Ratio	Lower	Upper
276	100		
138	23.2	25.0	37.6#
277	23.6	20.1	30.1

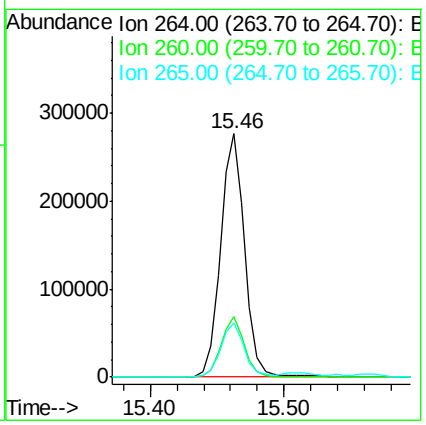


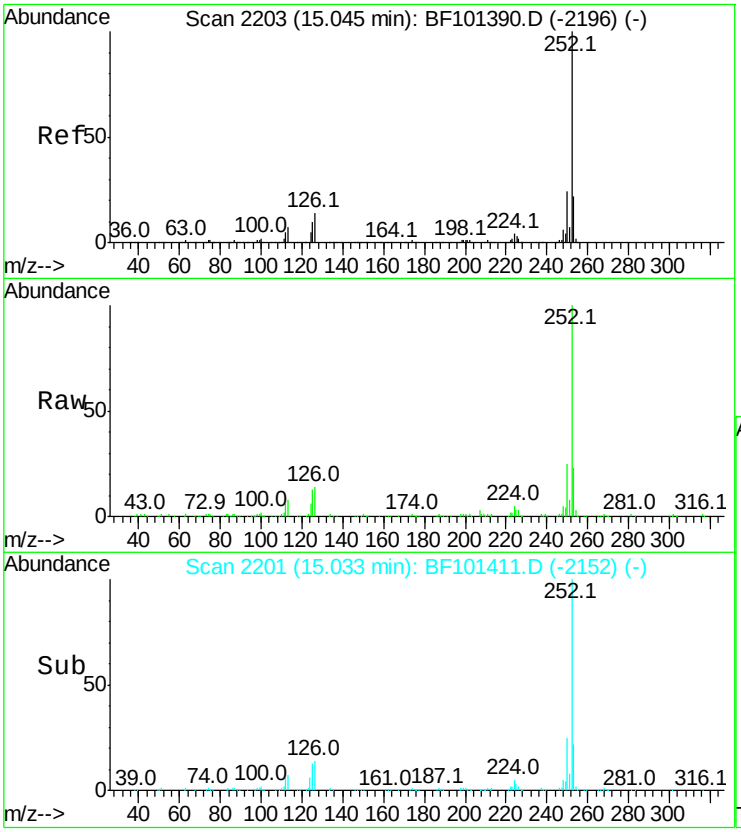


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:264 Resp: 349522

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.2	17.5	26.3



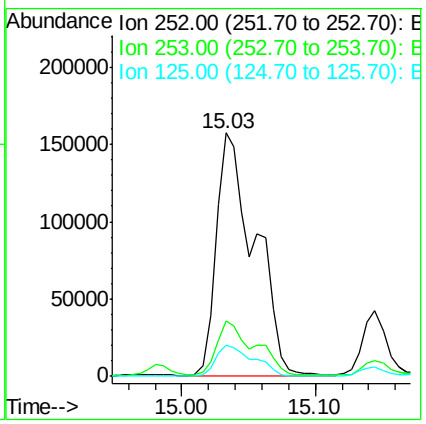


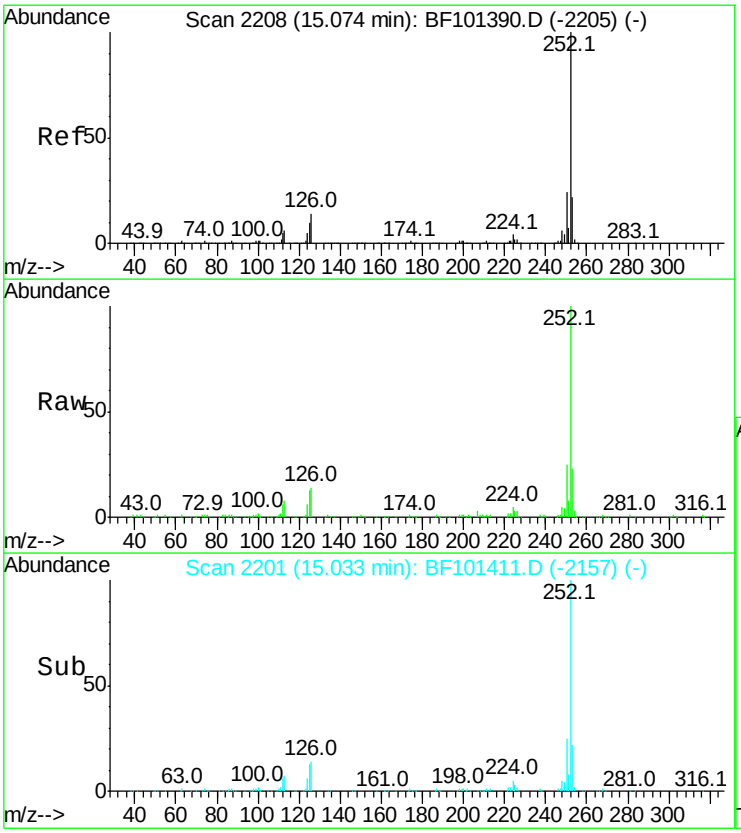
#87
Benzo(b)fluoranthene
Concen: 14.730 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 313820

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	12.8	9.0	13.6

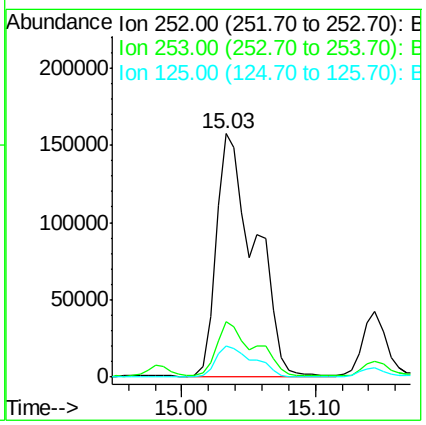


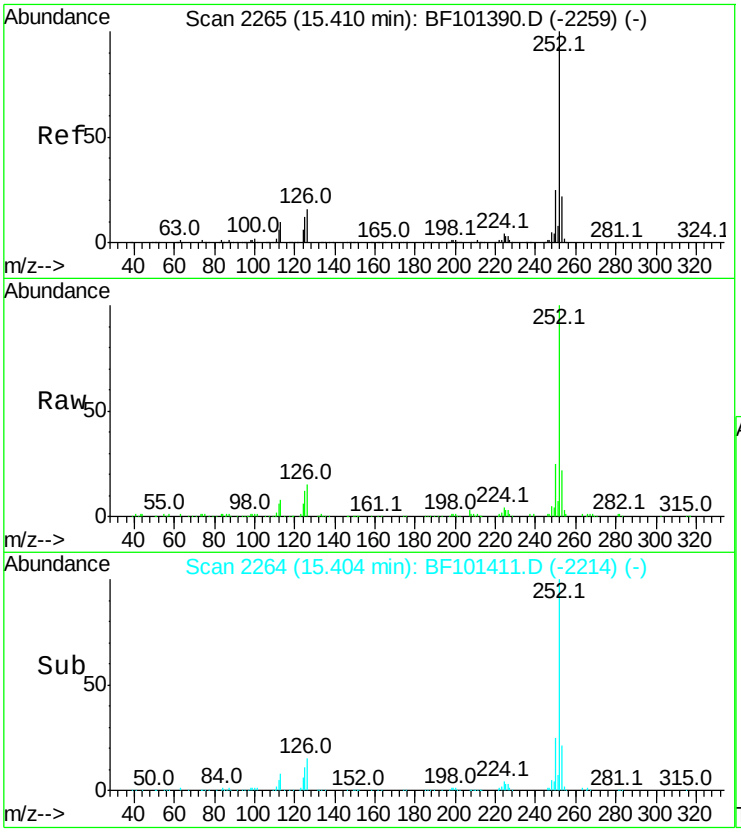


#88
Benzo(k)fluoranthene
Concen: 15.151 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:252 Resp: 313820

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	12.8	10.2	15.2



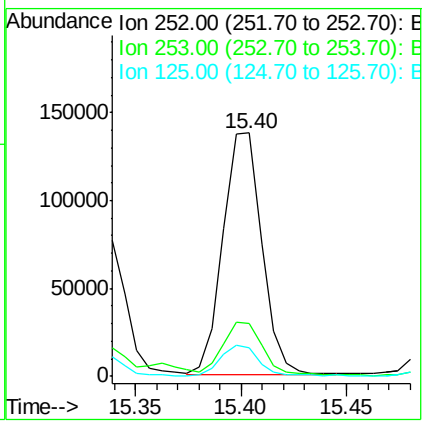


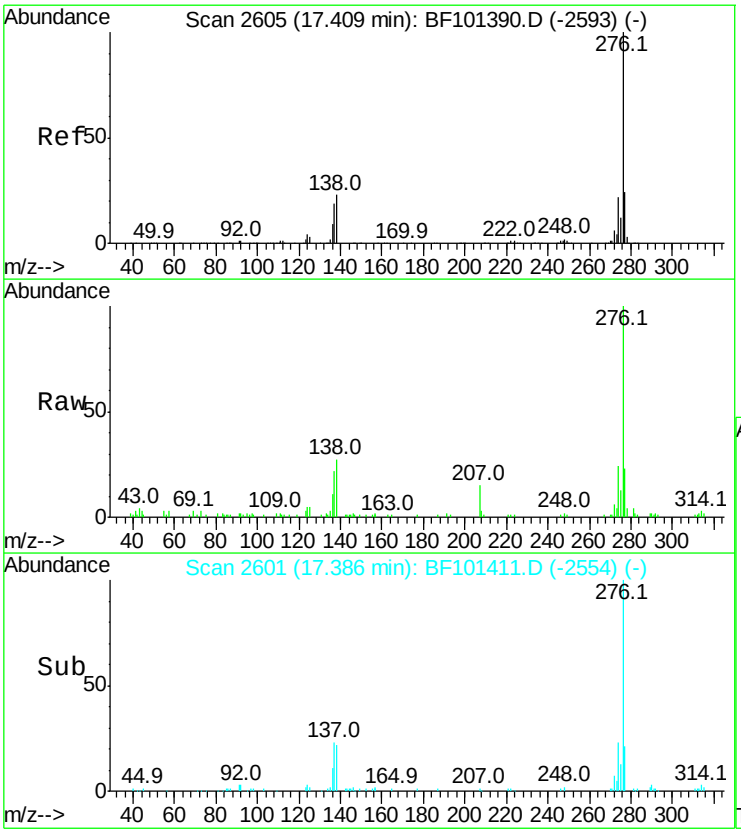
#89
Benzo(a)pyrene
Concen: 9.027 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 177285

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	11.6	9.8	14.6





#91
Benzo(g,h,i)perylene
Concen: 4.248 ng
RT: 17.39 min Scan# 2601
Delta R.T. -0.02 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:276 Resp: 70924

Ion	Ratio	Lower	Upper
276	100		
277	22.9	17.9	26.9
138	26.7	21.8	32.8