Quantitation Report (Not Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102730.D
Acq On : 5 Feb 2018 11:31
Operator : SJ/JU
Sample : J1014-03 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Feb 05 12:47:39 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	216252	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	887718	20.00	ng		0.00
38) Acenaphthene-d10	9.92	164	386741	20.00	ng		0.00
63) Phenanthrene-d10	11.40	188	595780	20.00	ng		0.00
75) Chrysene-d12	14.05	240	351367	20.00	ng		0.00
86) Perylene-d12	15.53	264	353393	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.48	112	324423	22.78	ng		-0.01
7) Phenol-d6	6.49	99	390468	22.77	ng		-0.01
23) Nitrobenzene-d5	7.43	82	225247	17.60	ng		-0.02
41) 2,4,6-Tribromophenol	10.70	330	71358	22.92	ng		0.00
44) 2-Fluorobiphenyl	9.23	172	423803	18.18	ng		-0.01
78) Terphenyl-d14	12.99	244	290655	19.59	ng		-0.01
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	29292	2.591	ng	#	82
24) Nitrobenzene	7.49	77	984	Below Cal		#	1
25) Isophorone	7.43	82	225178	7.642	ng	#	64
31) Naphthalene	8.19	128	538973	12.427	ng		100
32) Benzoic acid	7.93	122	2015	8.765	ng	#	49
33) 4-Chloroaniline	8.19	127	72844	3.899	ng	#	34
37) 2-Methylnaphthalene	8.87	142	271161	9.549	ng		99
47) 2-Nitroaniline	9.43	65	1533	3.652	ng	#	17
48) Acenaphthylene	9.78	152	134916	3.387	ng		100
51) Acenaphthene	9.95	154	209121	8.779	ng		97
54) Dibenzofuran	10.12	168	265065	7.896	ng		99
55) 4-Nitrophenol	10.12	139	103567	20.979	ng	#	10
56) 2,4-Dinitrotoluene	10.12	165	1958	3.314	ng	#	1
57) Fluorene	10.46	166	381086	15.603	ng		98
64) 4,6-Dinitro-2-methylphenol	10.70	198	132	8.841	ng	#	1
70) Phenanthrene	11.43	178	1776586	53.542	ng		99
71) Anthracene	11.48	178	644447	19.096	ng		99
72) Carbazole	11.63	167	217247	6.571	ng		99
74) Fluoranthene	12.63	202	2007206	60.125	ng		100
77) Pyrene	12.86	202	1840388	66.795	ng		99
80) Benzo(a)anthracene	14.04	228	1049825	47.508	ng		97
82) Chrysene	14.07	228	853640	38.322	ng		97
85) Indeno(1,2,3-cd)pyrene	17.02	276	474043	25.659	ng		95
87) Benzo(b)fluoranthene	15.10	252	1521313	66.399	ng	#	95
88) Benzo(k)fluoranthene	15.10	252	1521313	69.492	ng		98
89) Benzo(a)pyrene	15.47	252	851903	41.308	ng		96
90) Dibenzo(a,h)anthracene	17.20	278	105326	6.292	ng		95
91) Benzo(g,h,i)perylene	17.47	276	452941	27.645	ng		99

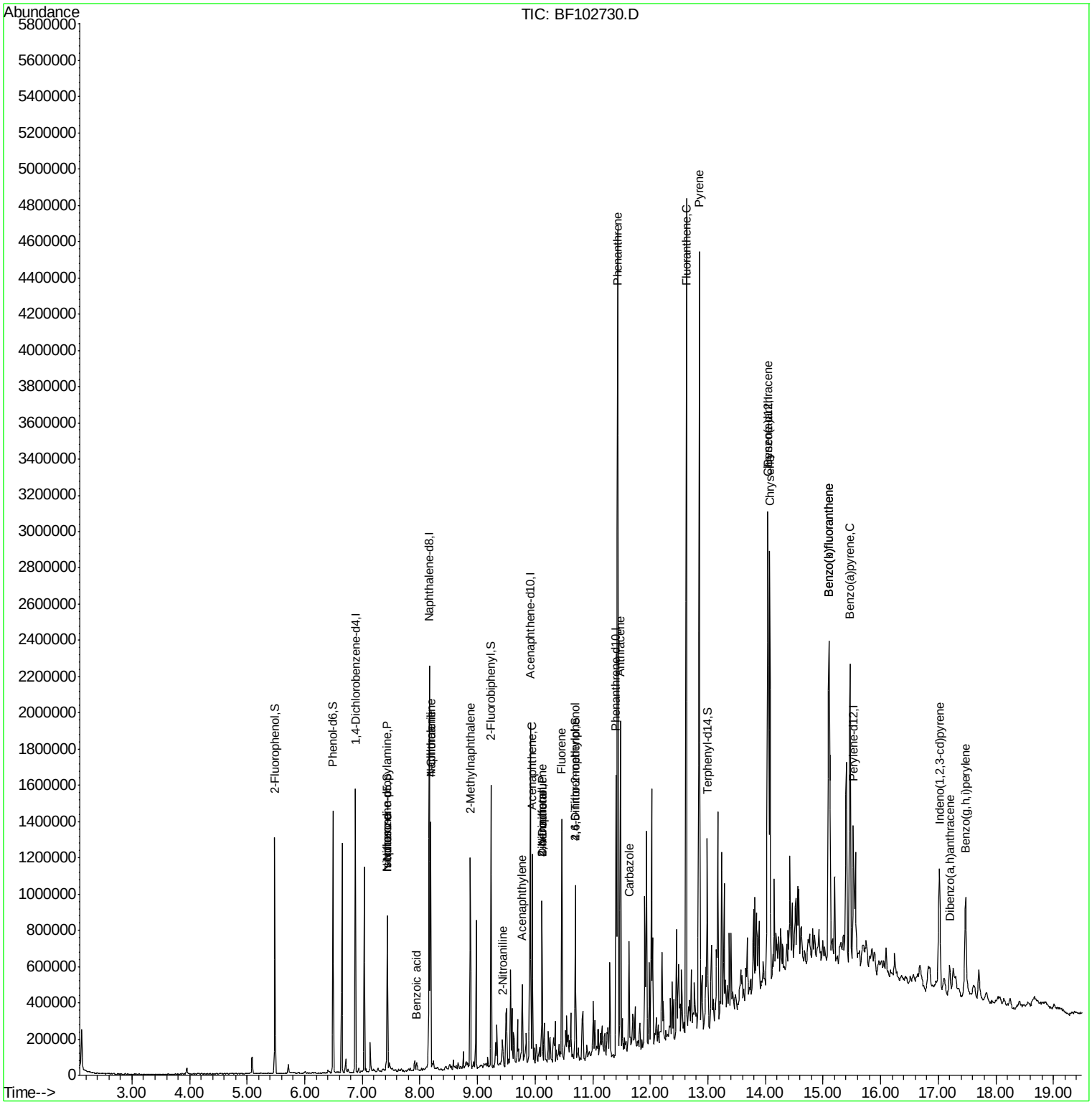
(#) = qualifier out of range (m) = manual integration (+) = signals summed

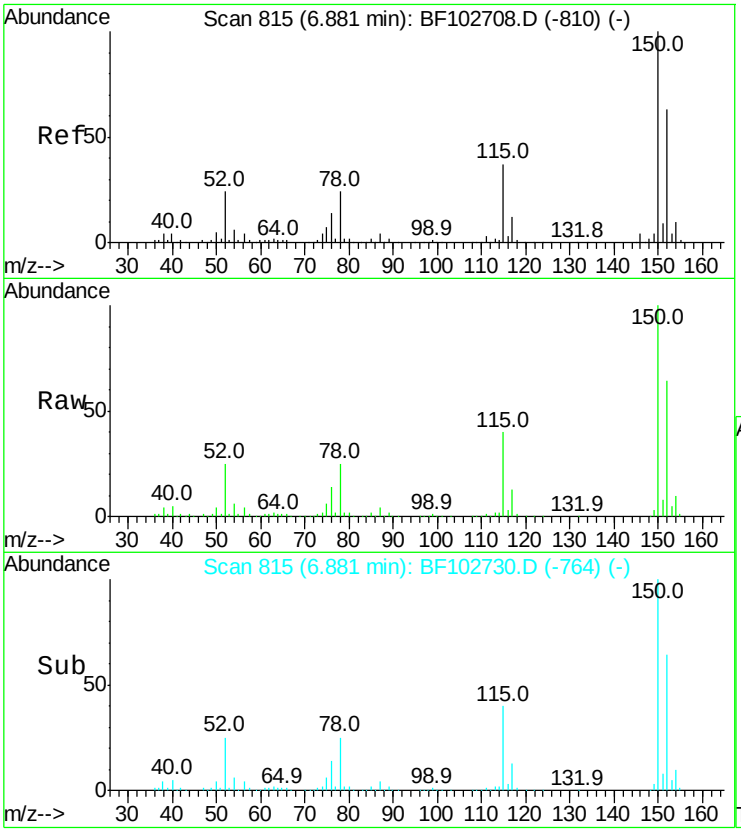
Quantitation Report (Not Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102730.D
Acq On : 5 Feb 2018 11:31
Operator : SJ/JU
Sample : J1014-03 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 05 12:47:39 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration



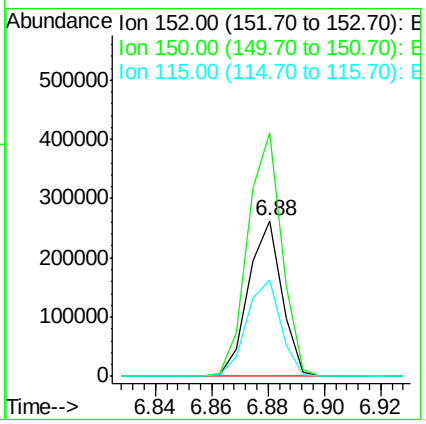


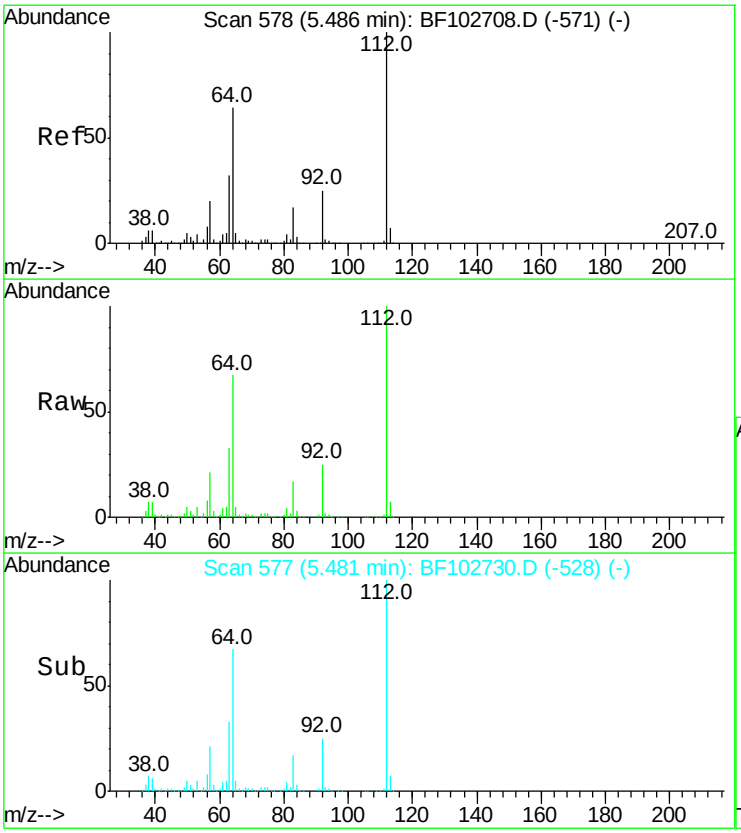
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 216252

Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	61.9	50.1	75.1

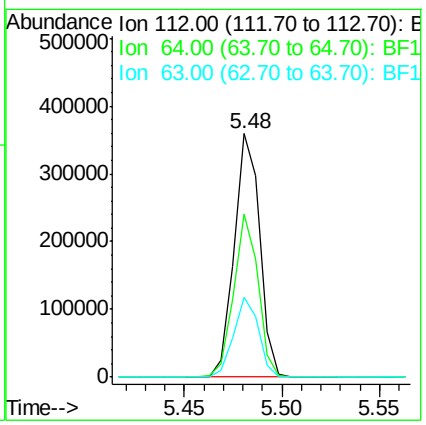


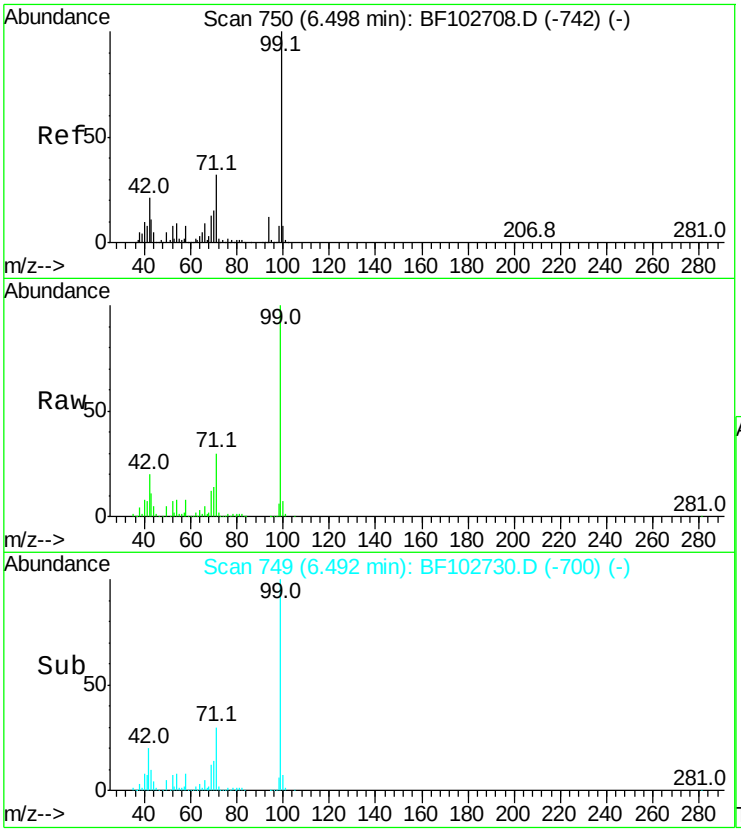


#5
2-Fluorophenol
Concen: 22.783 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:112 Resp: 324423

Ion	Ratio	Lower	Upper
112	100		
64	66.8	47.9	71.9
63	32.8	23.7	35.5



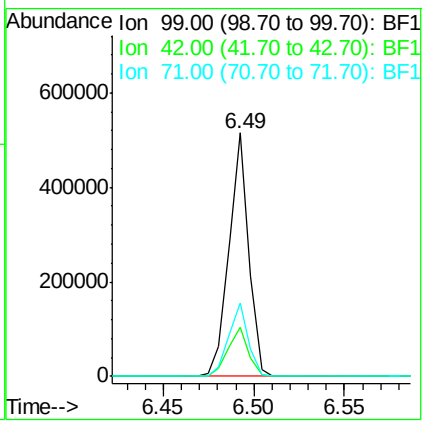


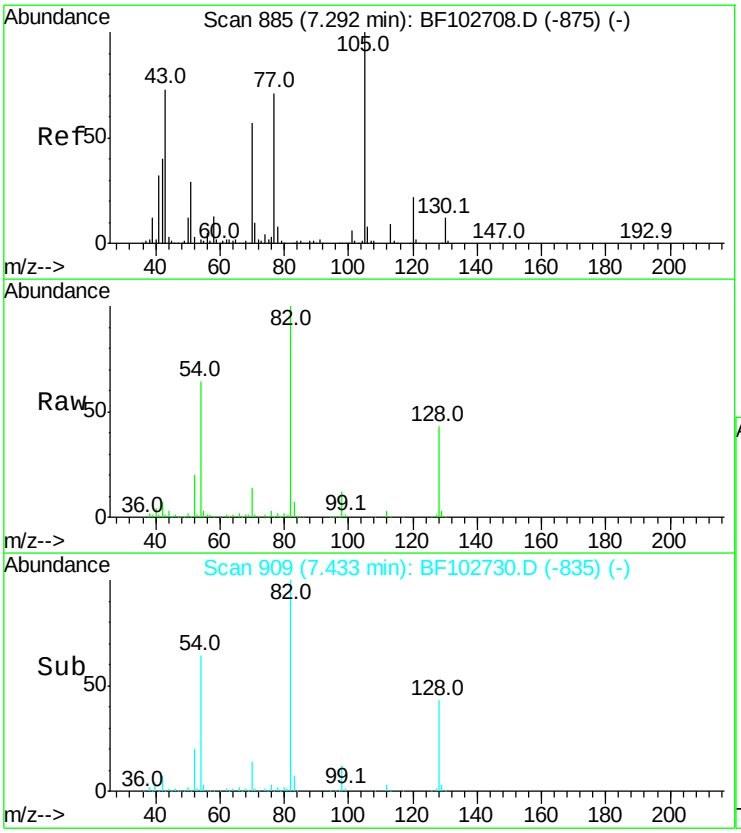
#7
Phenol-d6
Concen: 22.774 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 390468

Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.5	21.7
71	30.0	25.4	38.0

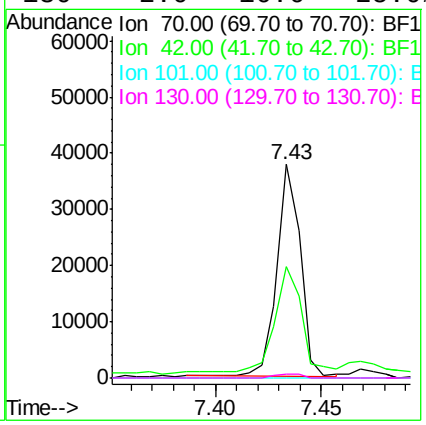


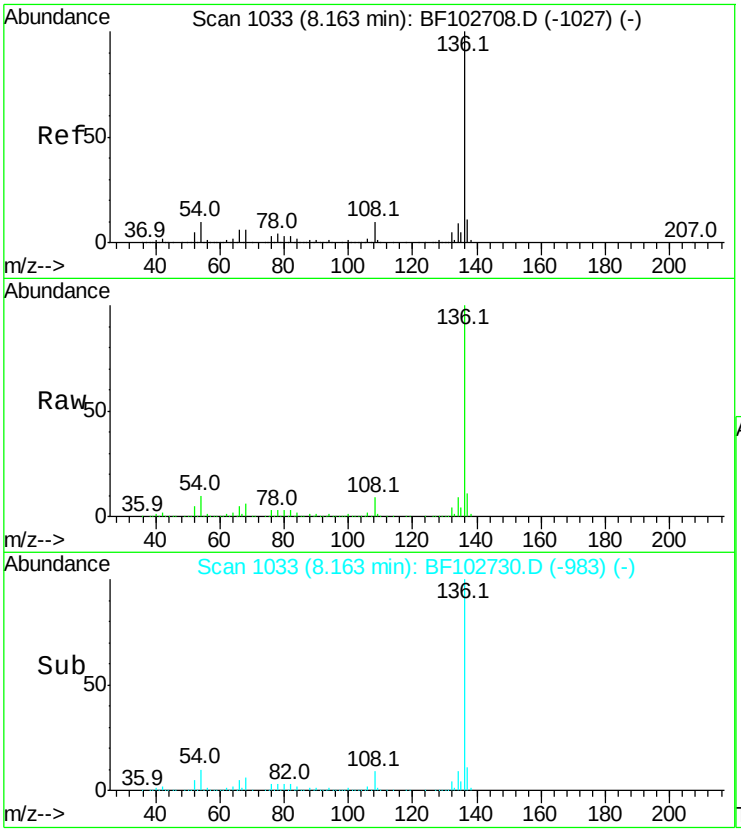


#19
n-Nitroso-di-n-propylamine
Concen: 2.591 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.14 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion: 70 Resp: 29292

Ion	Ratio	Lower	Upper
70	100		
42	52.4	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#



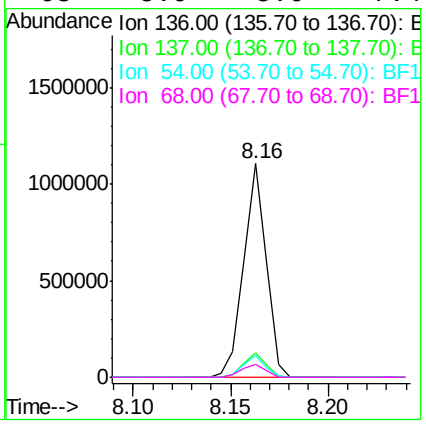


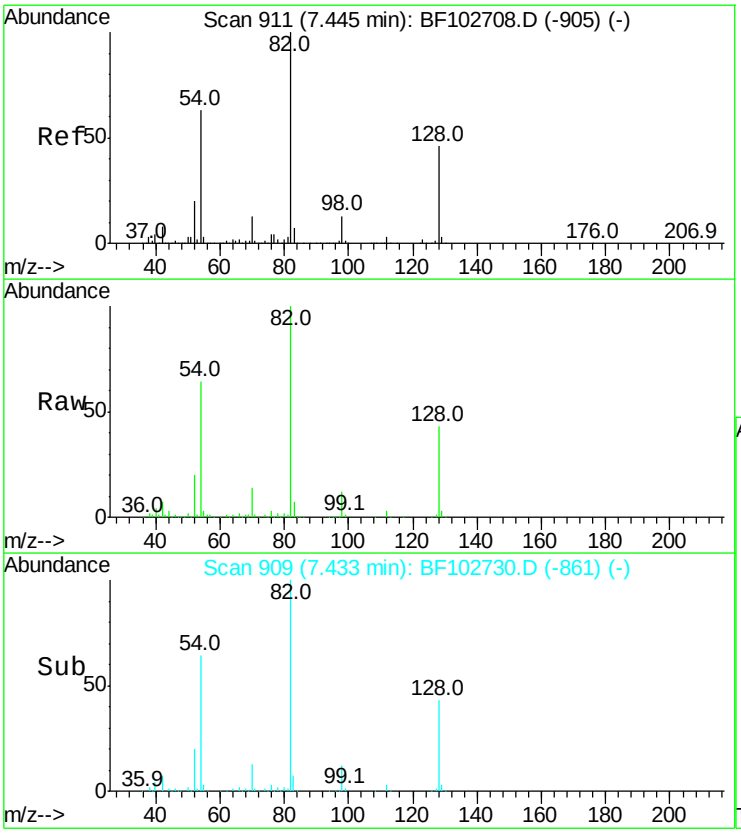
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 887718

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.1	6.6	9.8#
68	5.9	5.0	7.4

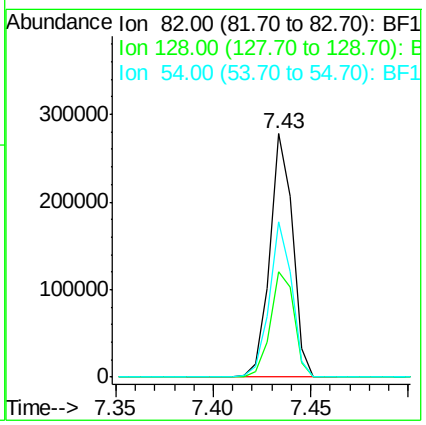


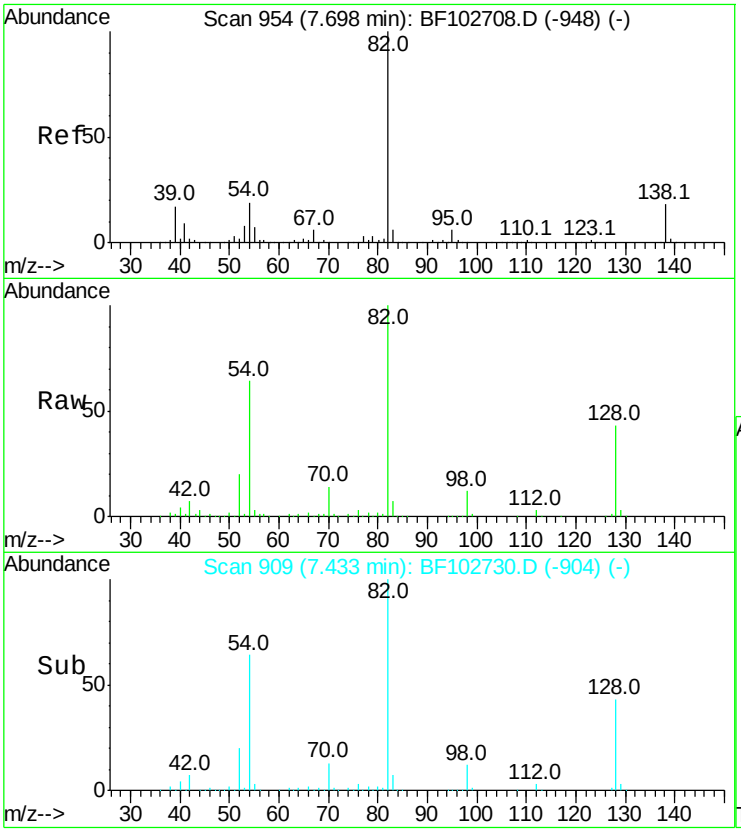


#23
Nitrobenzene-d5
Concen: 17.602 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion: 82 Resp: 225247

Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.1	54.1
54	63.9	41.4	62.2#

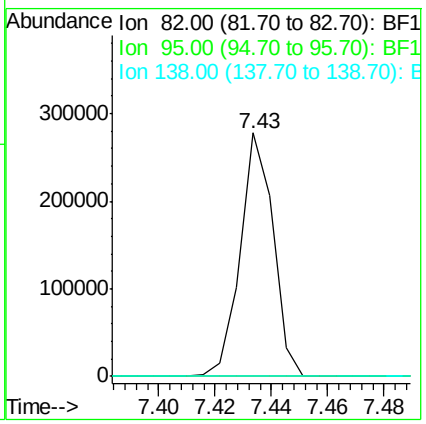




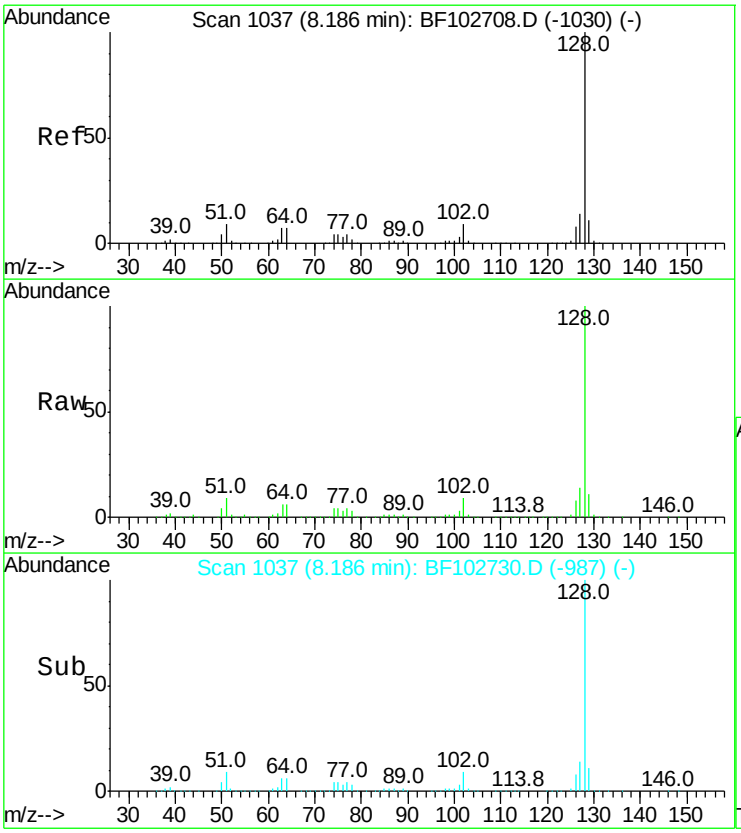
#25
Isophorone
Concen: 7.642 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.27 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion: 82 Resp: 225178

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#



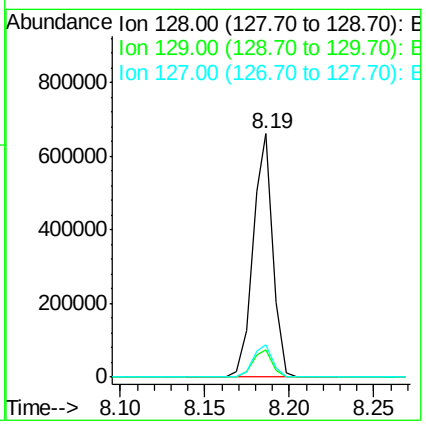
Instrument :
BNA_F
ClientSampleId :

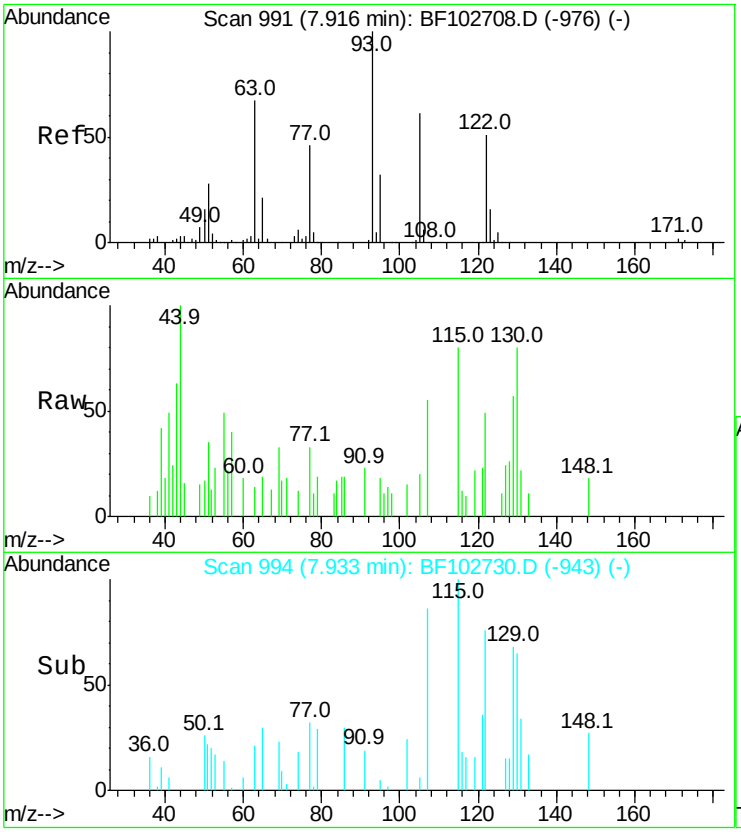


#31
Naphthalene
Concen: 12.427 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:128 Resp: 538973

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.6	10.9	16.3



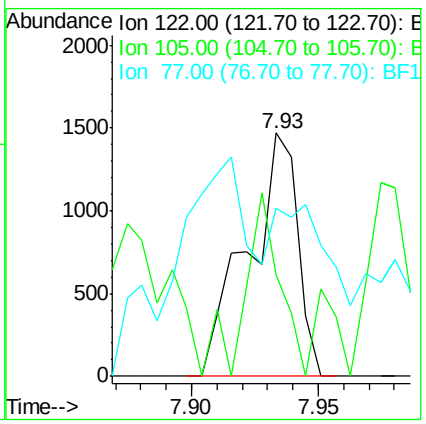


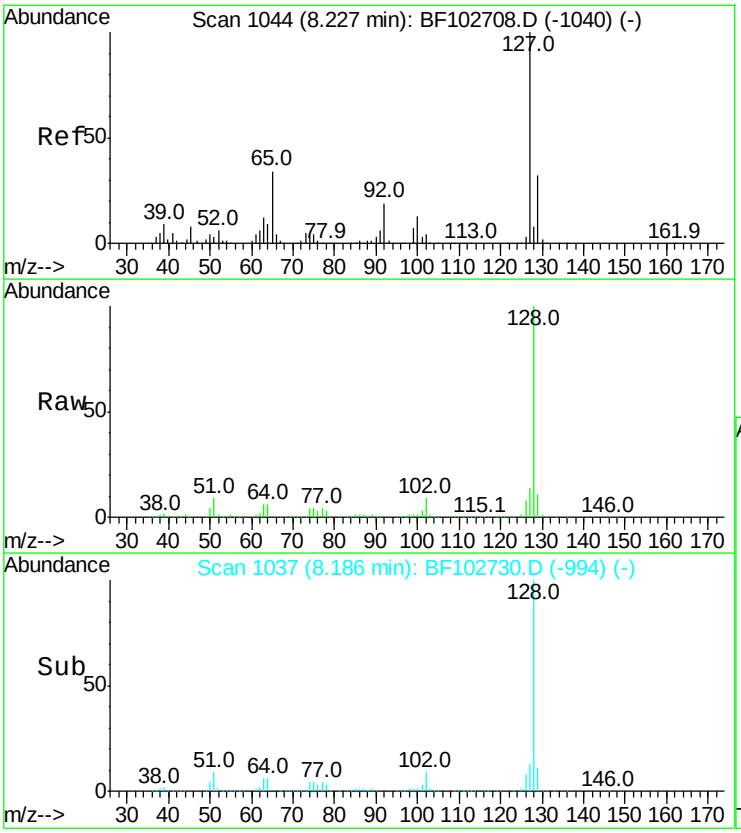
#32
Benzoic acid
Concen: 8.765 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.00 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 2015

Ion	Ratio	Lower	Upper
122	100		
105	41.5	101.1	141.1#
77	68.8	70.7	110.7#

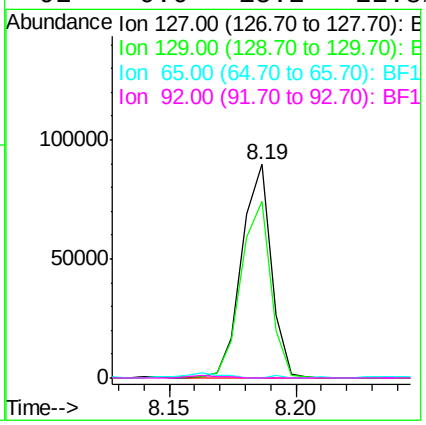


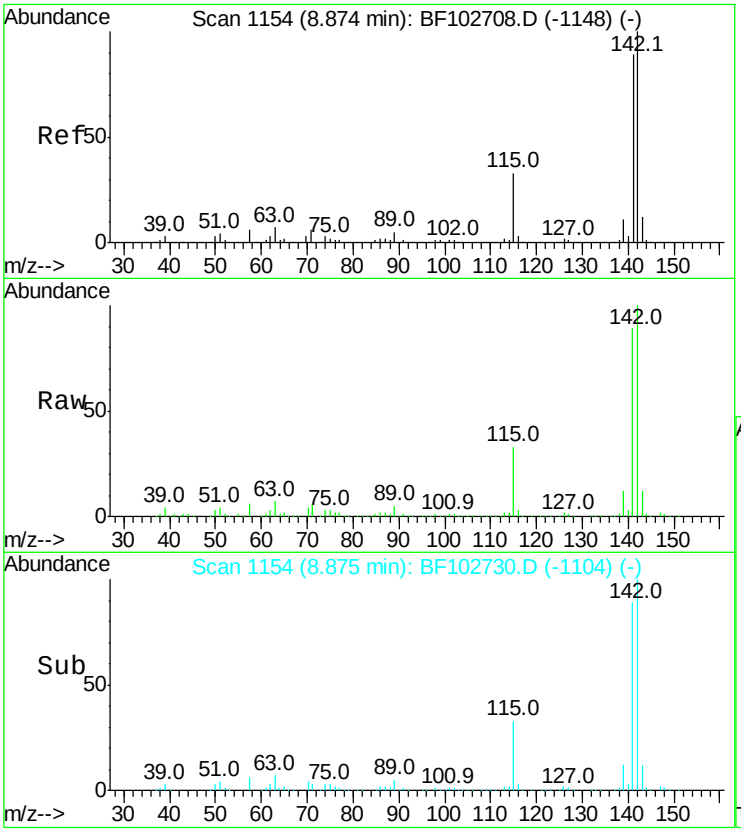


#33
4-Chloroaniline
Concen: 3.899 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.05 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:127 Resp: 72844

Ion	Ratio	Lower	Upper
127	100		
129	82.9	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



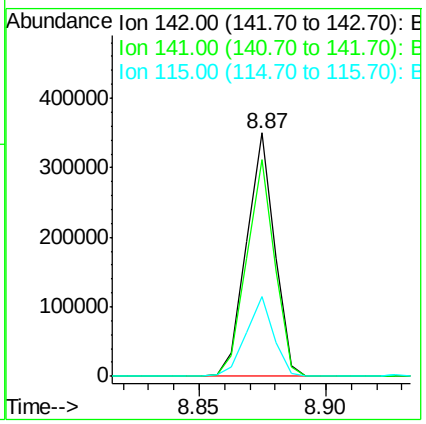


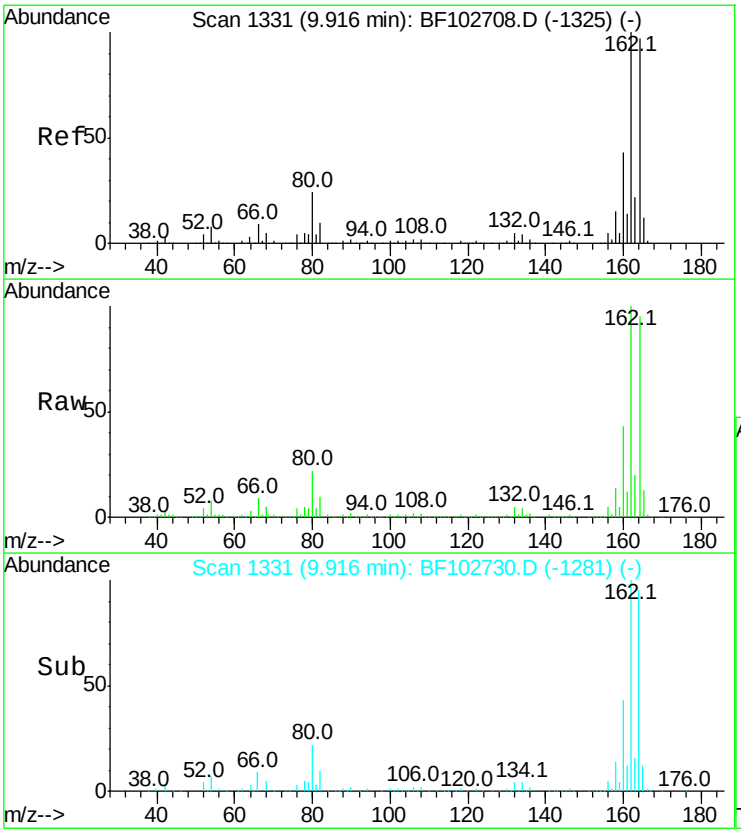
#37
2-Methylnaphthalene
Concen: 9.549 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 271161

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.8	106.2
115	32.6	26.1	39.1

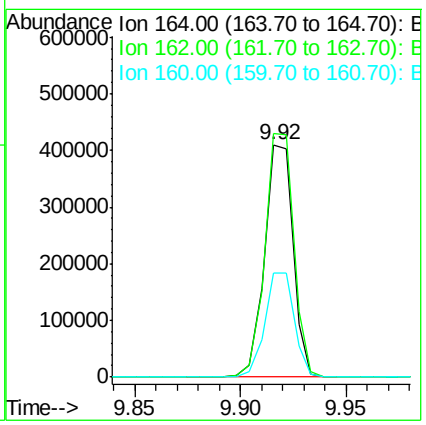


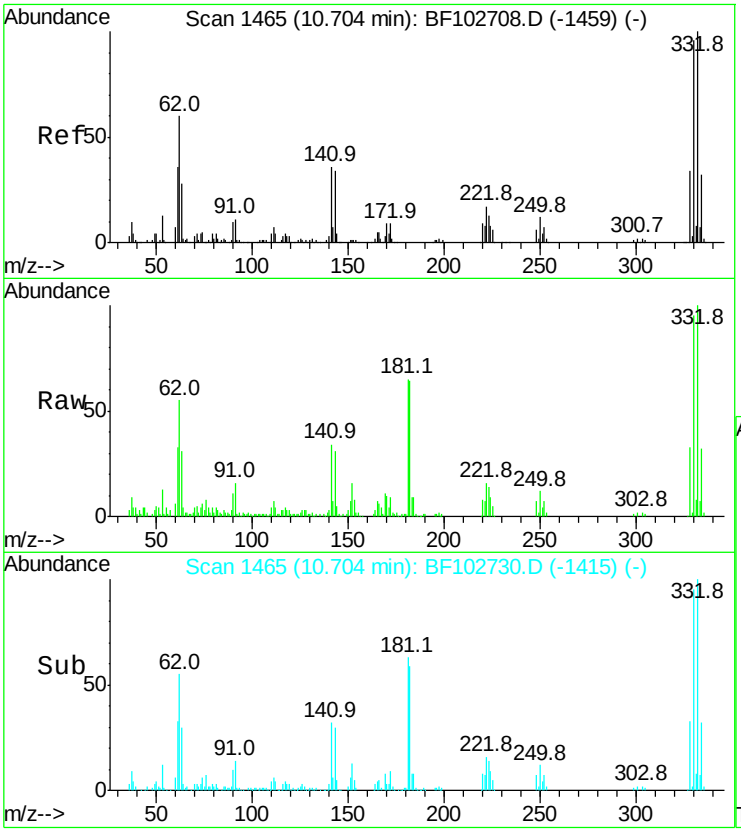


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:164 Resp: 386741

Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	44.9	38.3	57.5



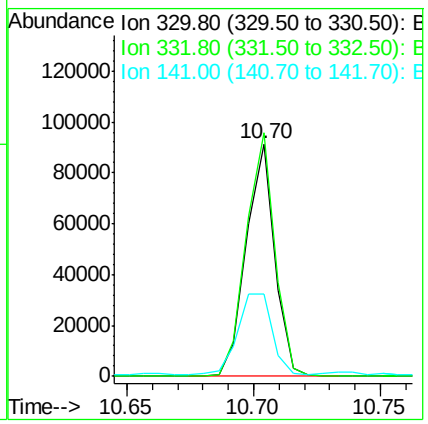


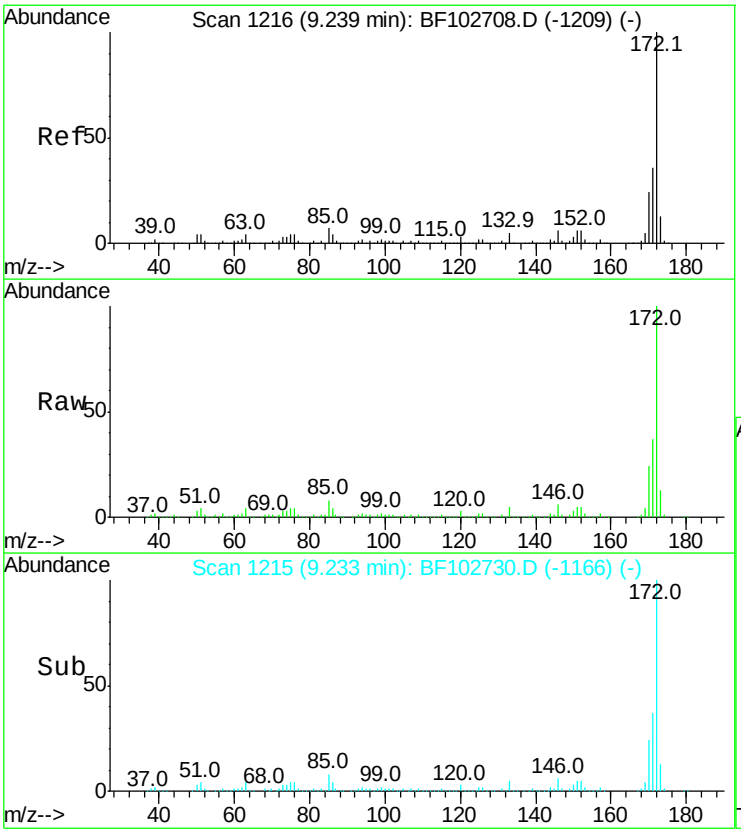
#41
2,4,6-Tribromophenol
Concen: 22.924 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 71358

Ion	Ratio	Lower	Upper
330	100		
332	106.2	77.0	115.6
141	42.7	29.9	44.9

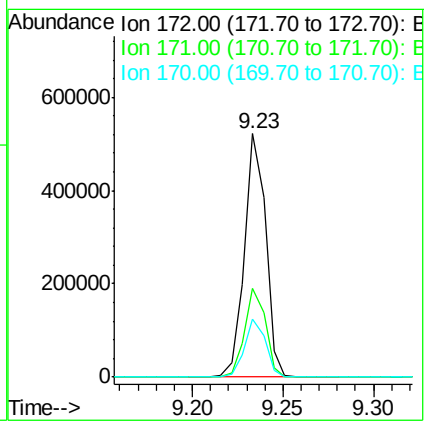


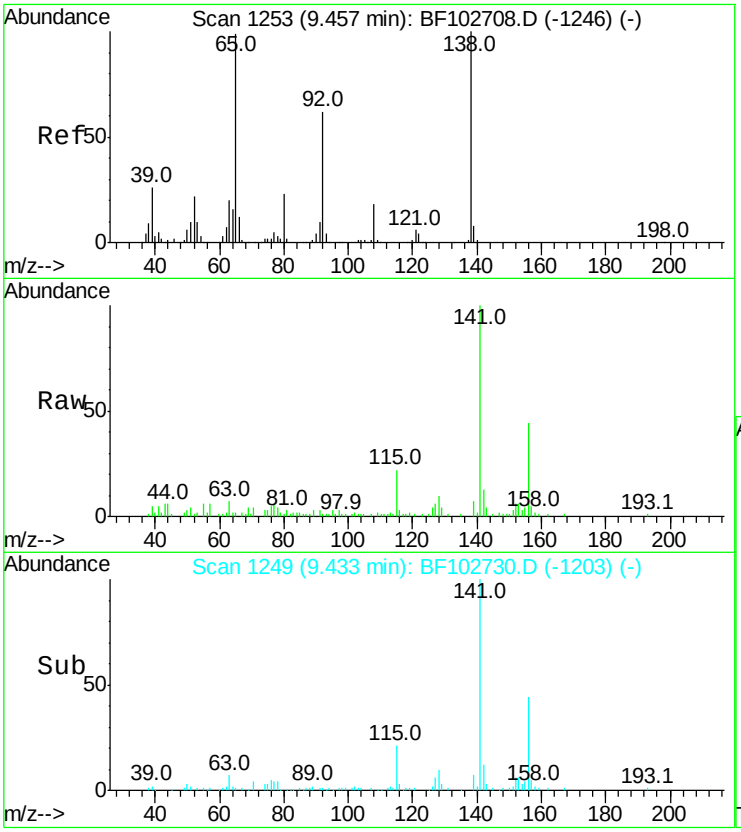


#44
2-Fluorobiphenyl
Concen: 18.184 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:172 Resp: 423803

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	23.8	19.6	29.4



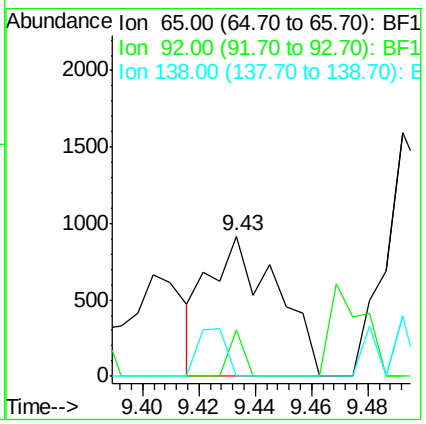


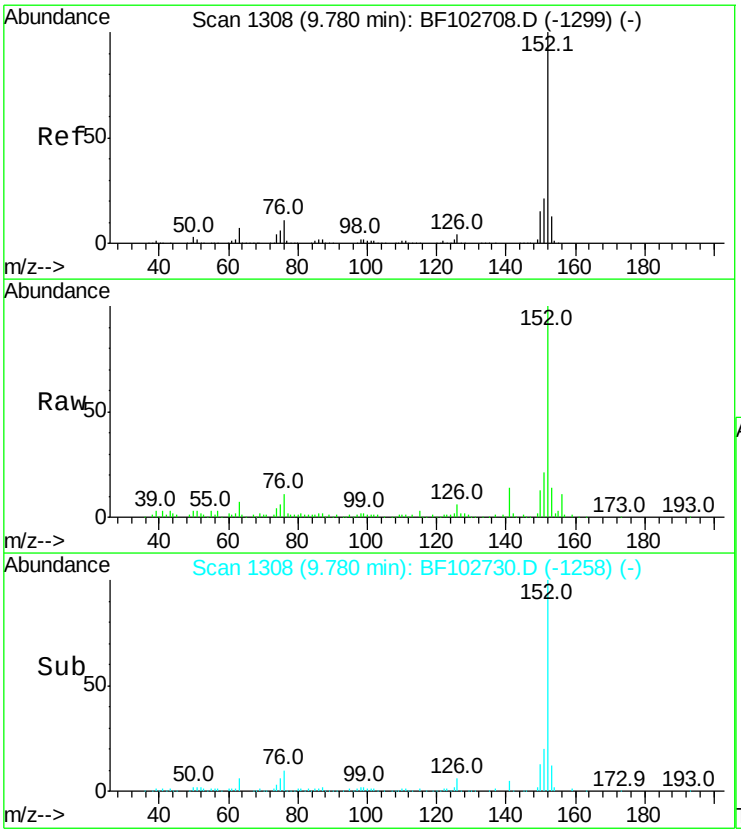
#47
2-Nitroaniline
Concen: 3.652 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.03 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 65 Resp: 1533

Ion	Ratio	Lower	Upper
65	100		
92	33.1	55.8	83.6#
138	0.0	91.2	136.8#

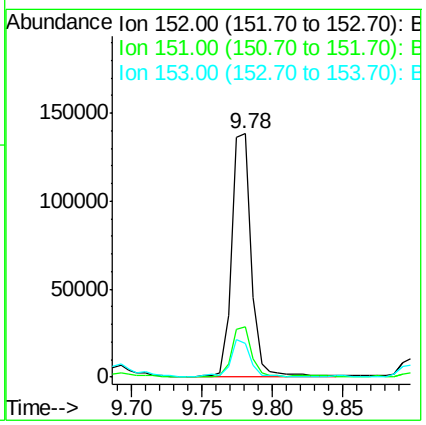


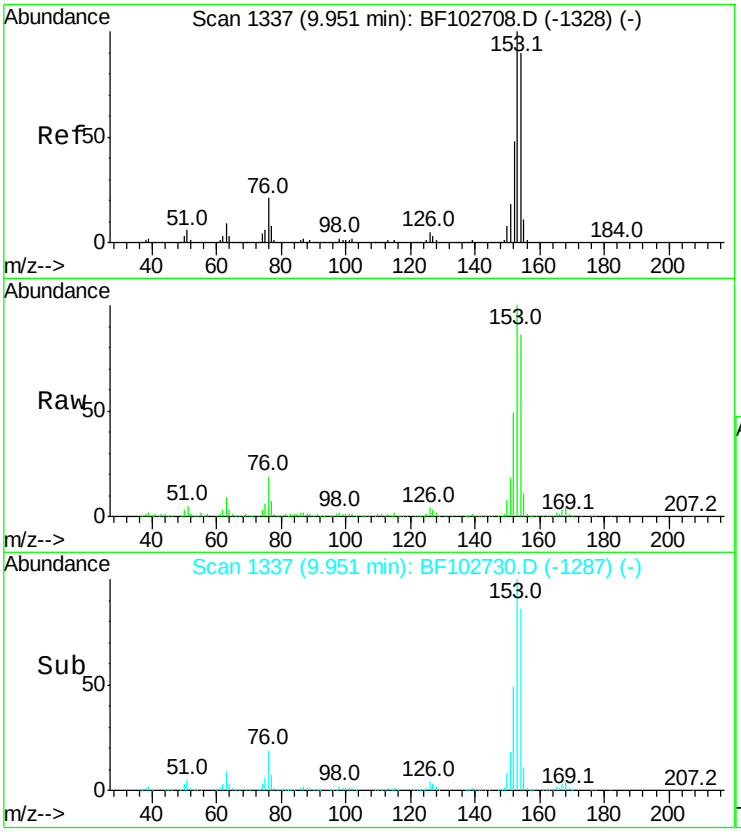


#48
Acenaphthylene
Concen: 3.387 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:152 Resp: 134916

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	13.7	10.7	16.1



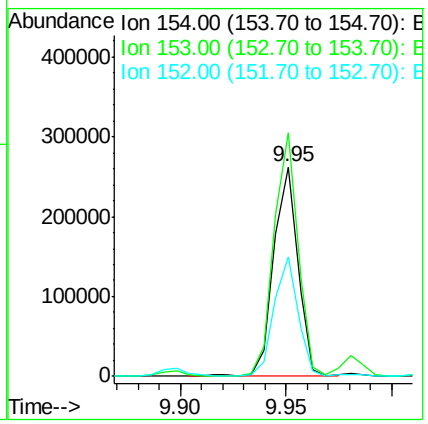


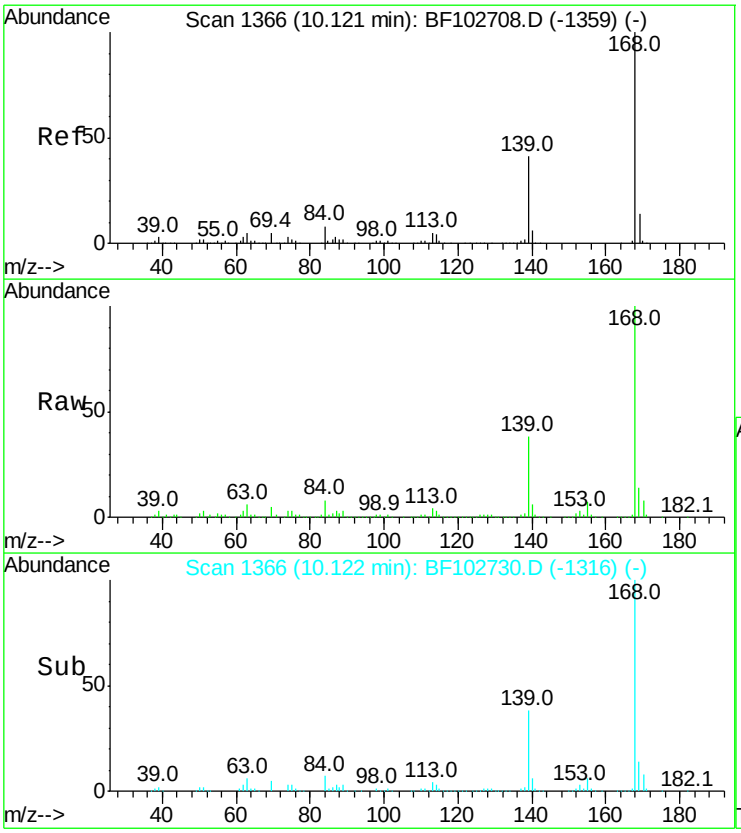
#51
Acenaphthene
Concen: 8.779 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 209121

Ion	Ratio	Lower	Upper
154	100		
153	116.2	91.2	136.8
152	57.3	43.8	65.8

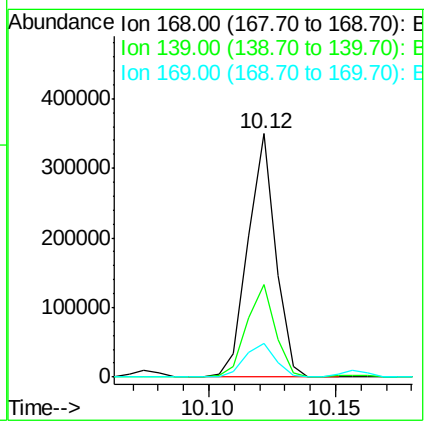


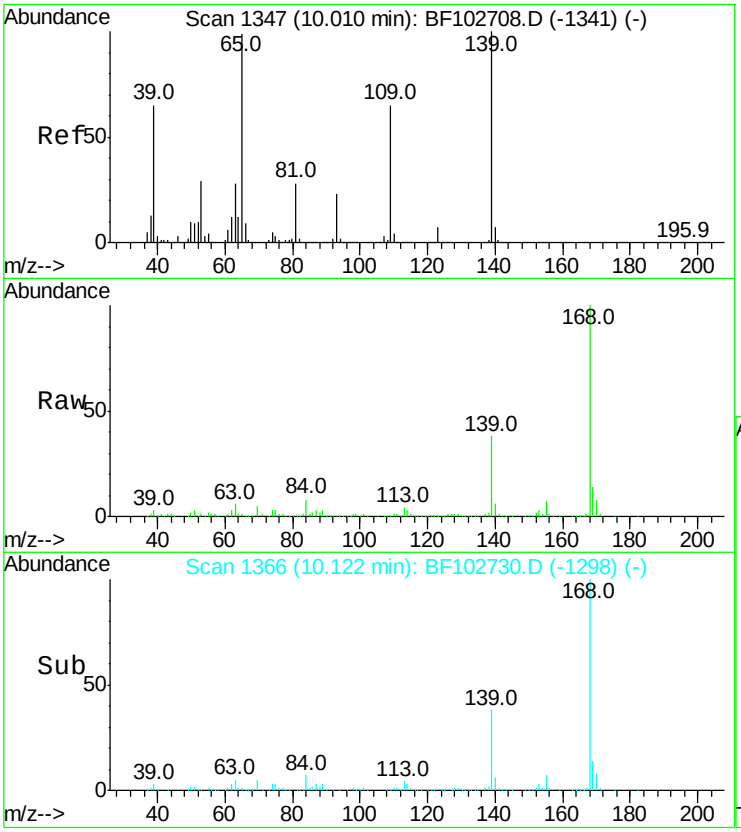


#54
Dibenzofuran
Concen: 7.896 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:168 Resp: 265065

Ion	Ratio	Lower	Upper
168	100		
139	38.2	30.1	45.1
169	14.0	10.9	16.3



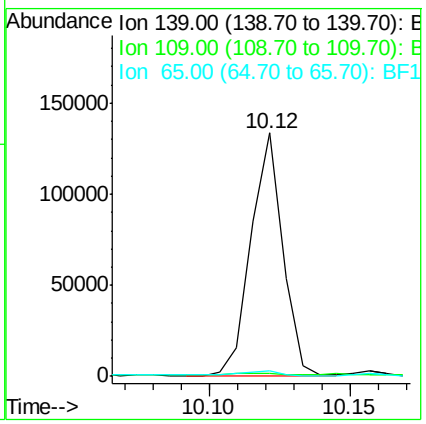


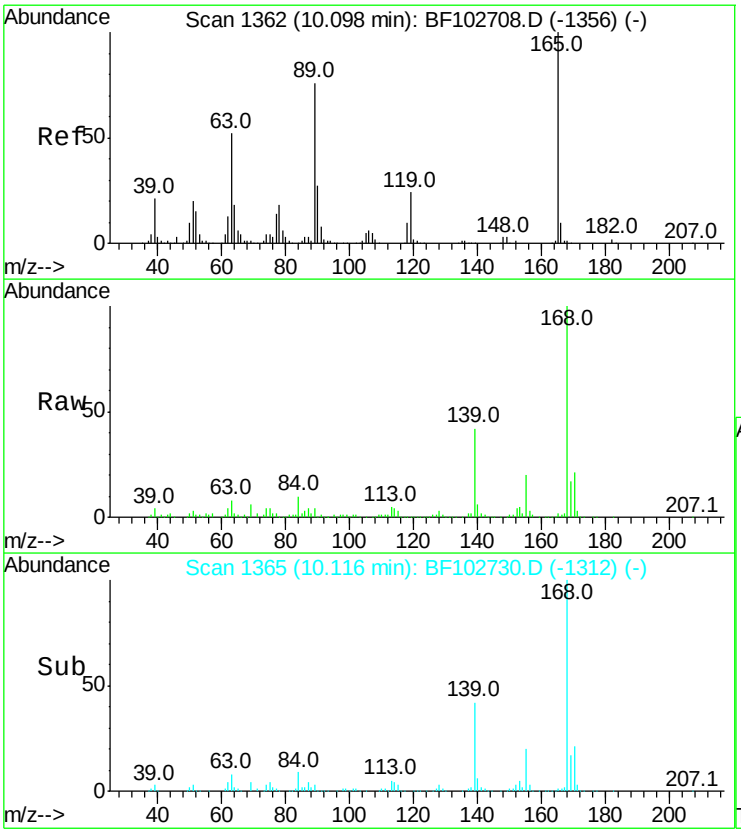
#55
4-Nitrophenol
Concen: 20.979 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.10 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 103567

Ion	Ratio	Lower	Upper
139	100		
109	1.2	48.4	88.4#
65	2.1	72.6	112.6#

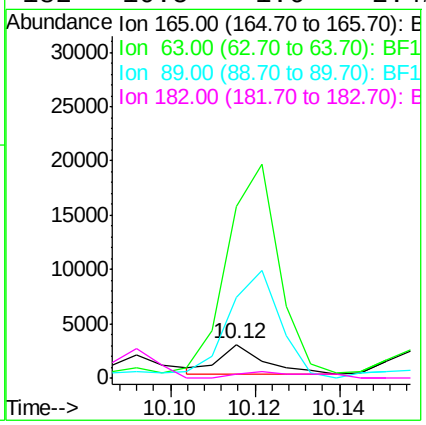


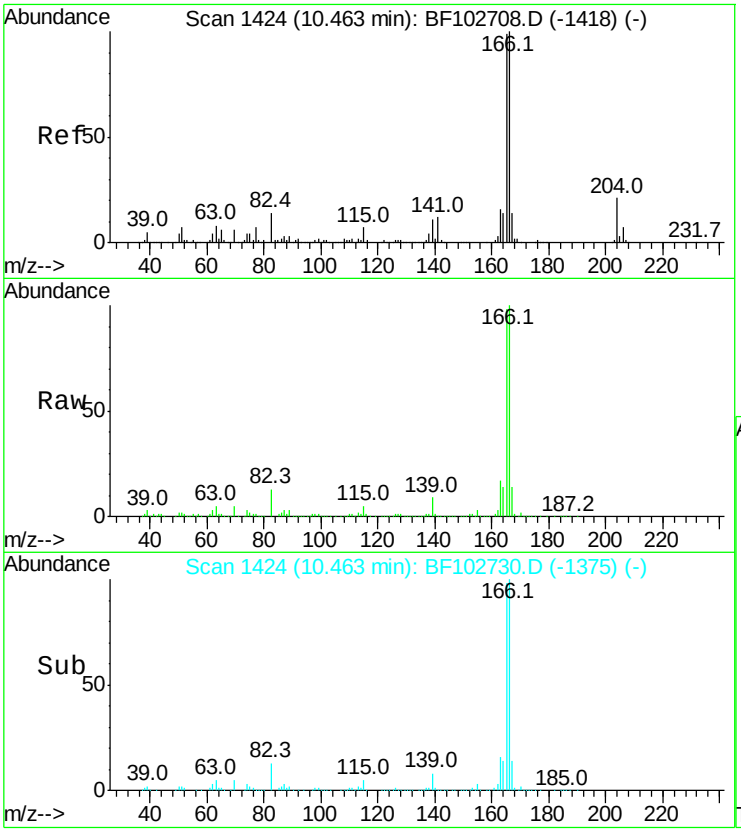


#56
2,4-Dinitrotoluene
Concen: 3.314 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:165 Resp: 1958

Ion	Ratio	Lower	Upper
165	100		
63	506.7	36.4	54.6#
89	237.6	57.8	86.6#
182	10.5	1.6	2.4#



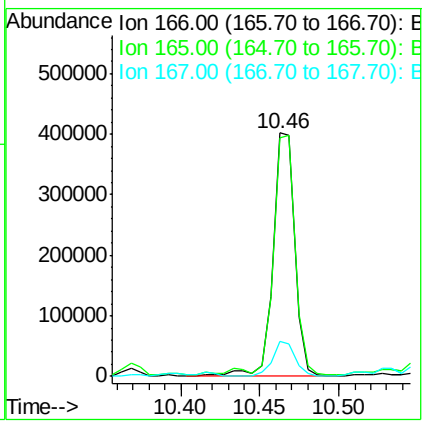


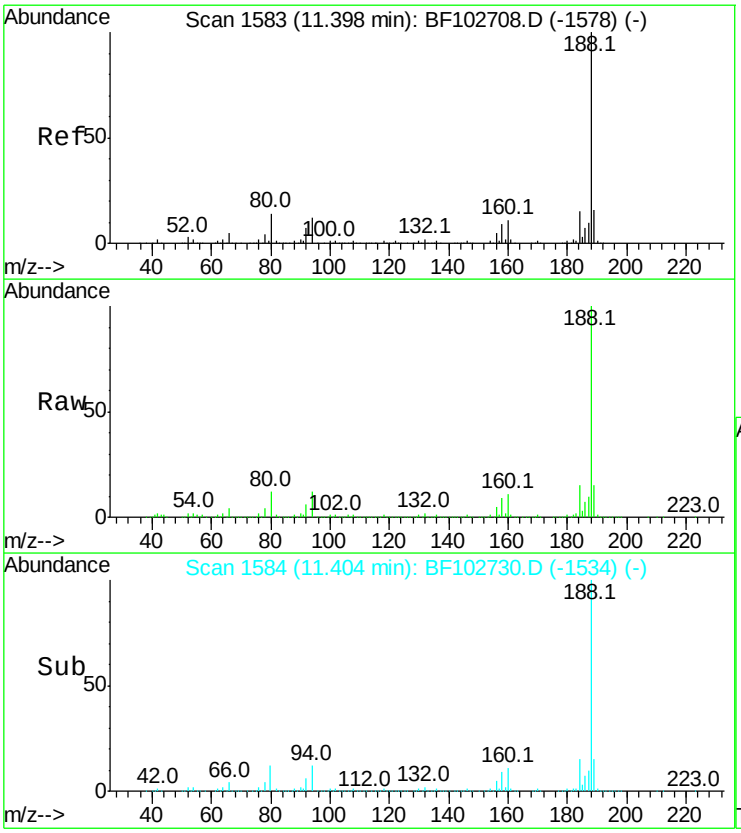
#57
Fluorene
Concen: 15.603 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 381086

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.8	119.8
167	14.1	10.6	16.0

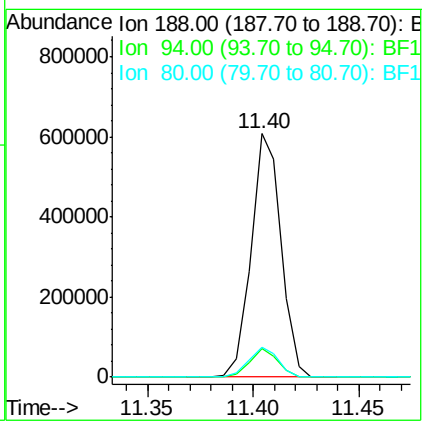


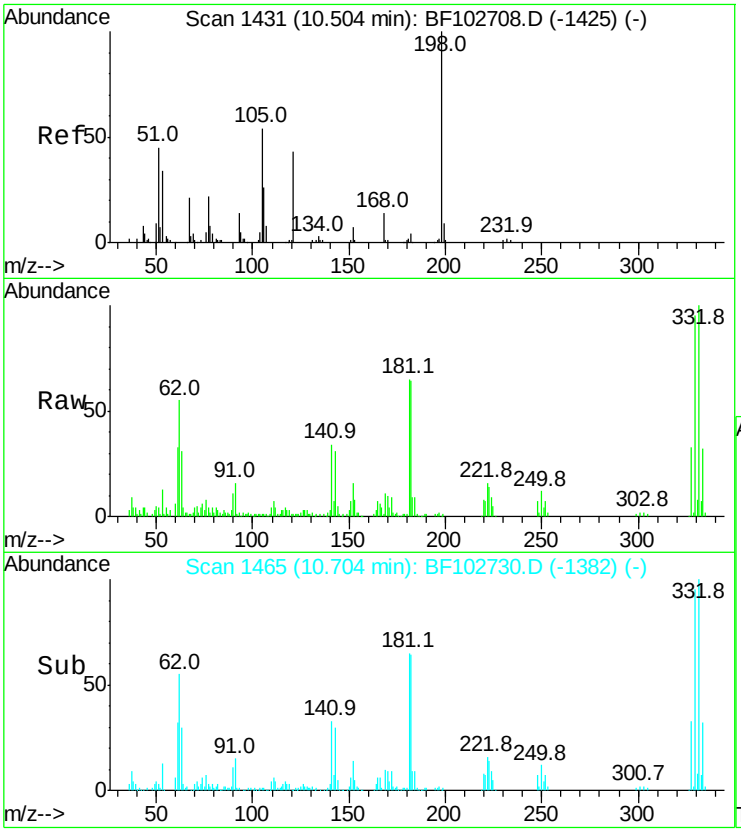


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:188 Resp: 595780

Ion	Ratio	Lower	Upper
188	100		
94	11.7	8.5	12.7
80	12.5	9.2	13.8



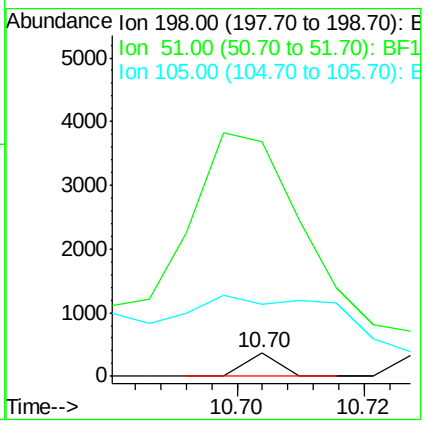


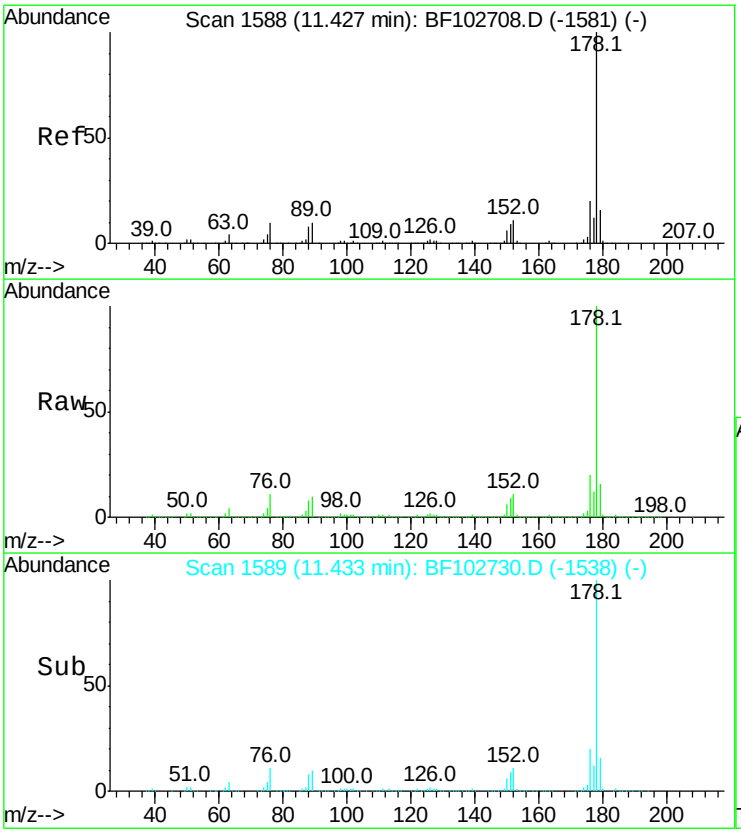
#64
4,6-Dinitro-2-methylphenol
Concen: 8.841 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.19 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:198 Resp: 132

Ion	Ratio	Lower	Upper
198	100		
51	251.3	37.7	77.7#
105	77.9	36.3	76.3#

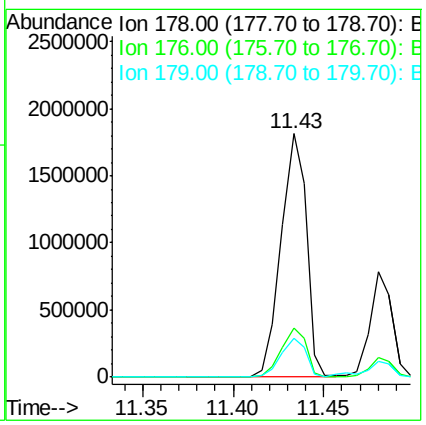


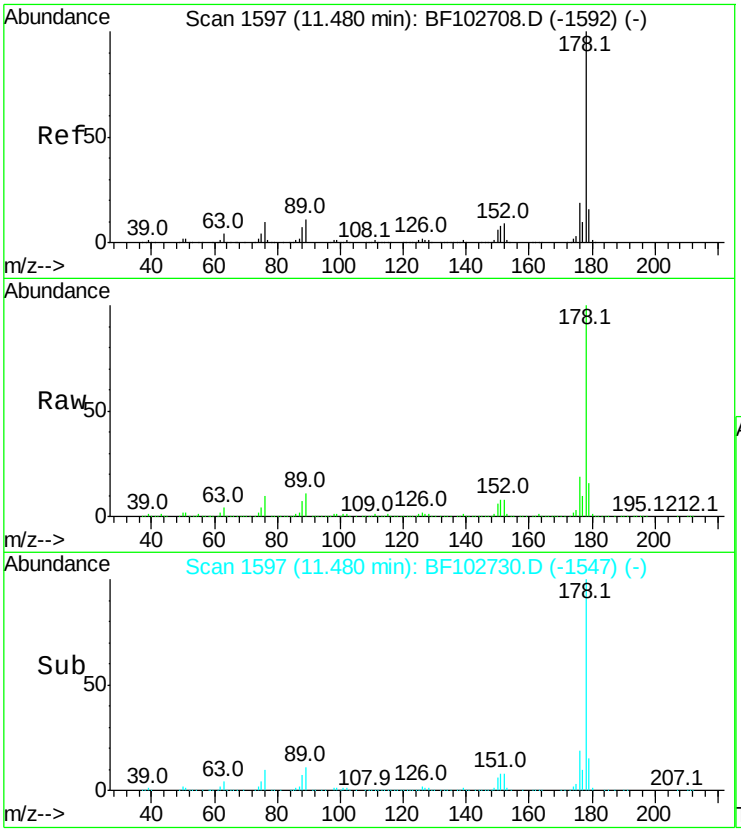


#70
Phenanthrene
Concen: 53.542 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:178 Resp: 1776586

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



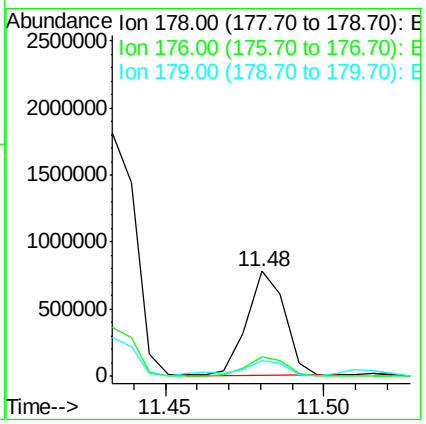


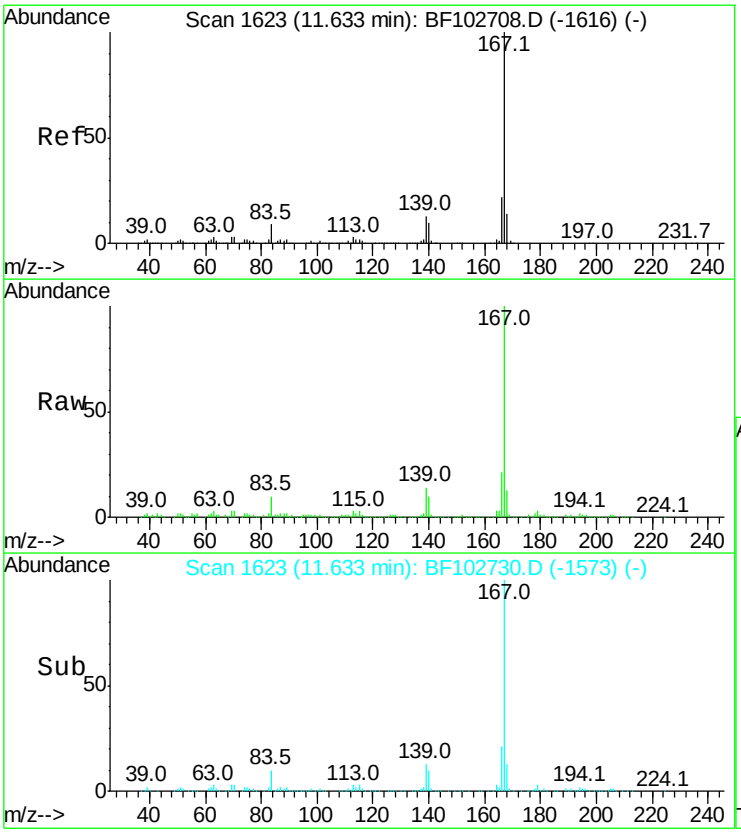
#71
Anthracene
Concen: 19.096 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 644447

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

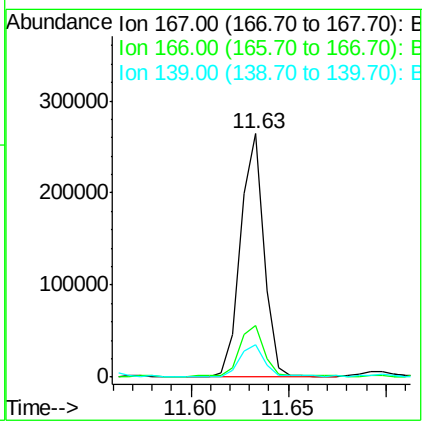


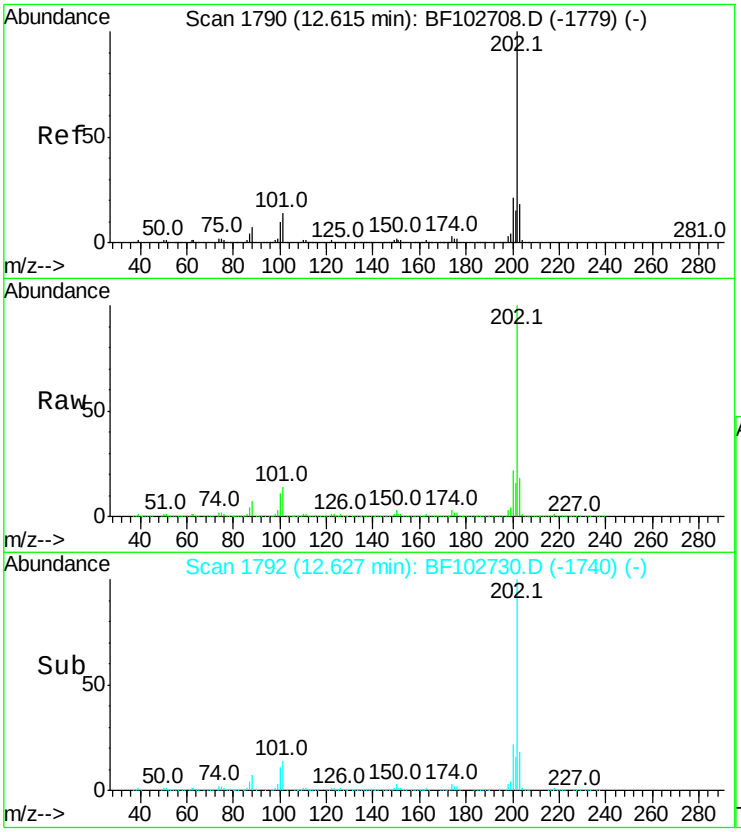


#72
Carbazole
Concen: 6.571 ng
RT: 11.63 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:167 Resp: 217247

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.6	26.4
139	13.5	10.9	16.3



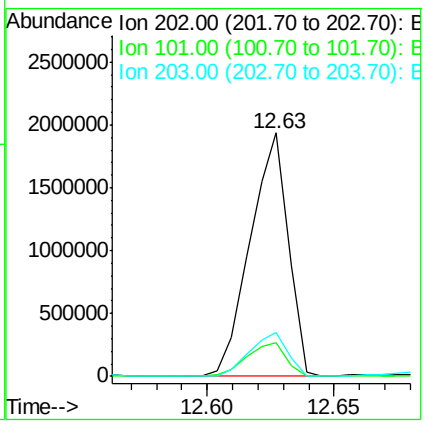


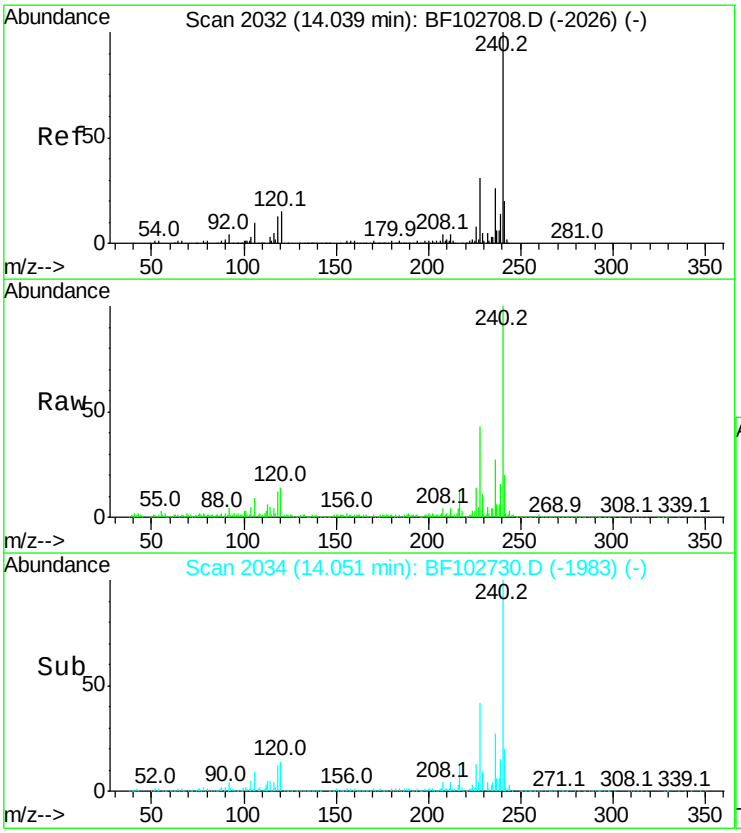
#74
Fluoranthene
Concen: 60.125 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 2007206

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.1
203	18.0	0.0	38.1

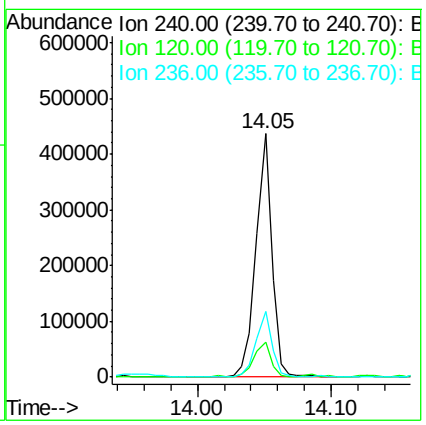


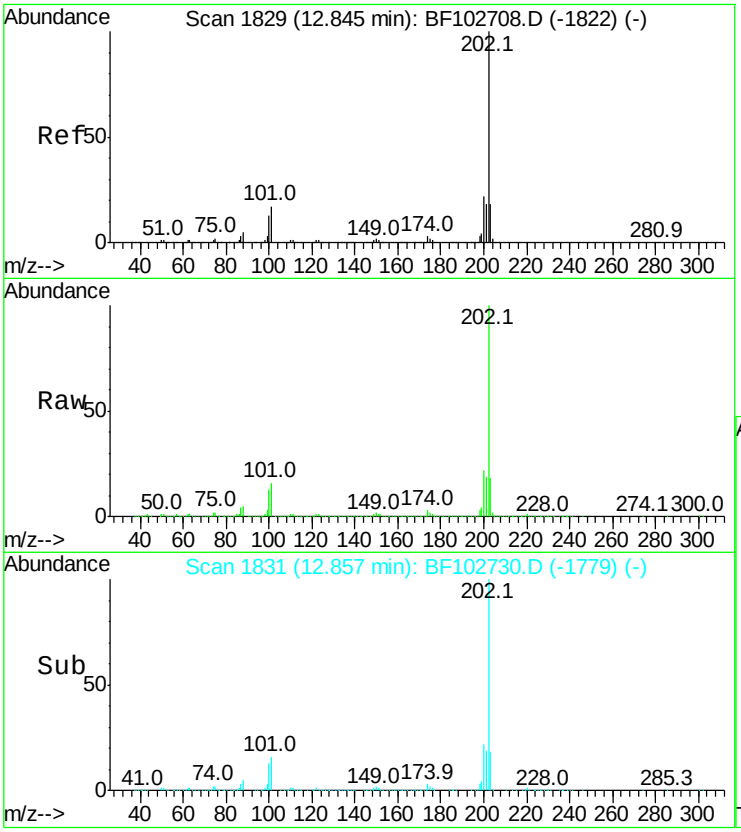


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:240 Resp: 351367

Ion	Ratio	Lower	Upper
240	100		
120	14.2	9.5	14.3
236	26.7	20.7	31.1



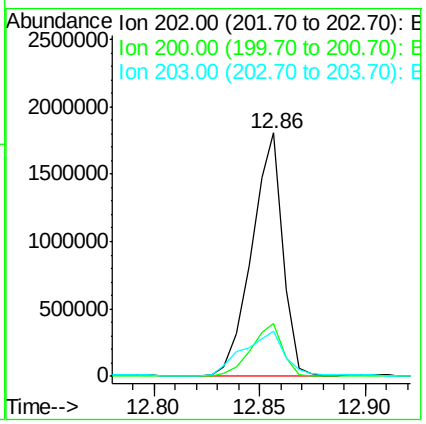


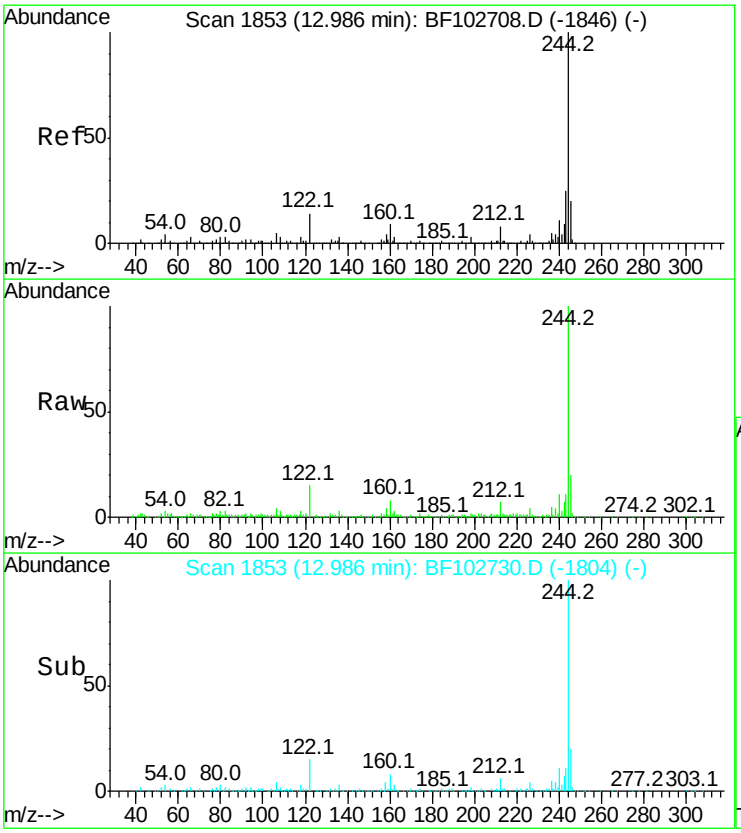
#77
Pyrene
Concen: 66.795 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1840388

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.4	14.3	21.5

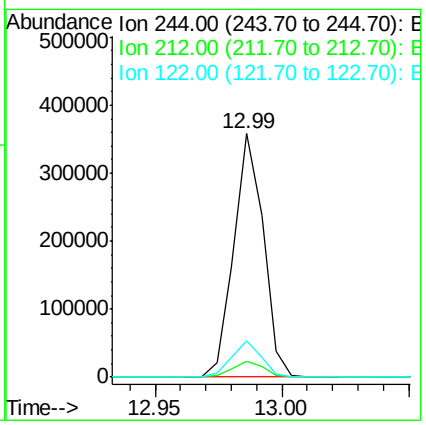


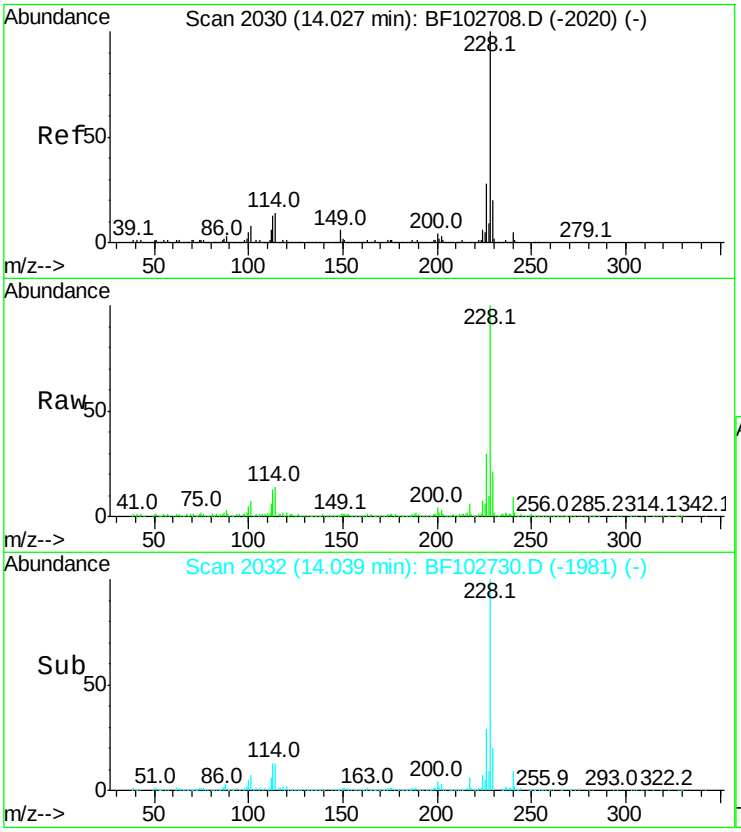


#78
Terphenyl-d14
Concen: 19.587 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:244 Resp: 290655

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	14.7	11.0	16.4



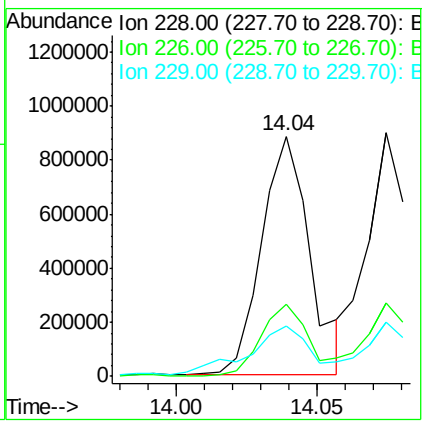


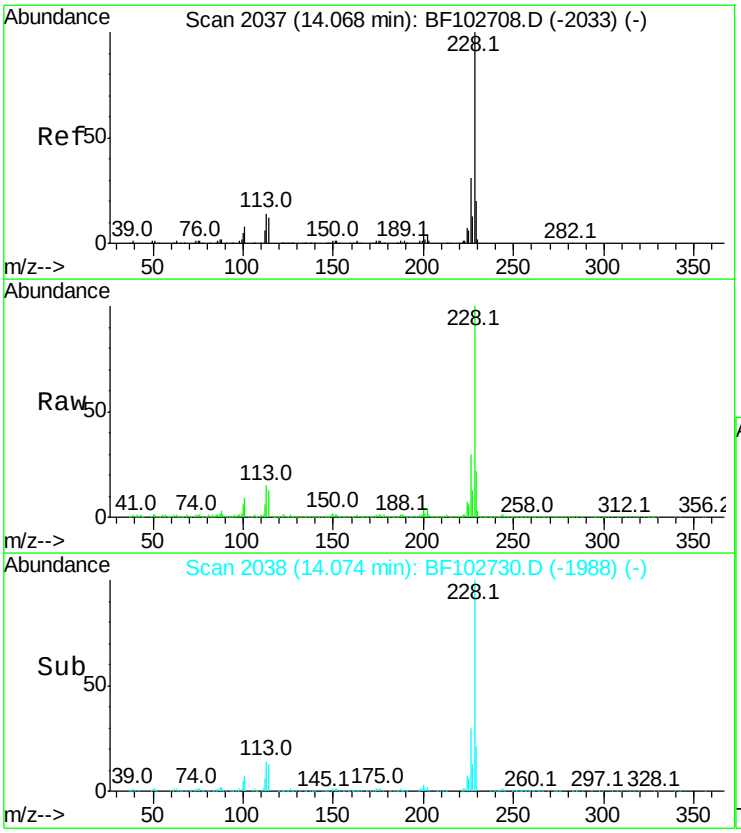
#80
Benzo(a)anthracene
Concen: 47.508 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 1049825

Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	20.9	15.8	23.6

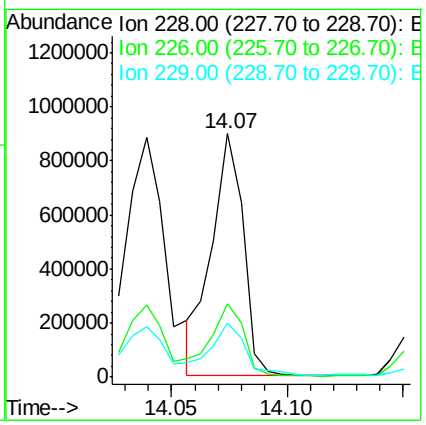


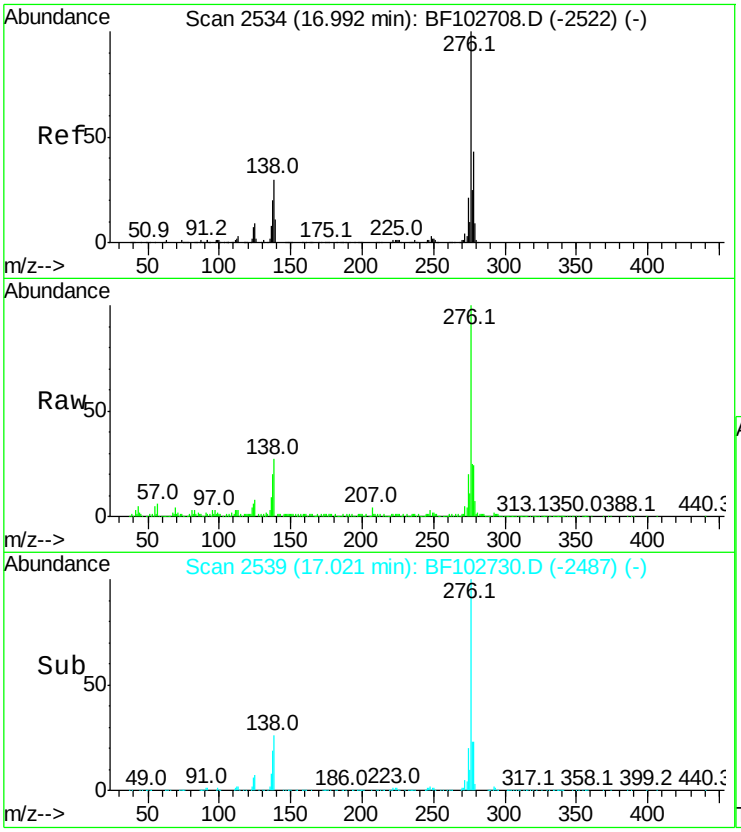


#82
Chrysene
Concen: 38.322 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:228 Resp: 853640

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	22.4	16.2	24.4



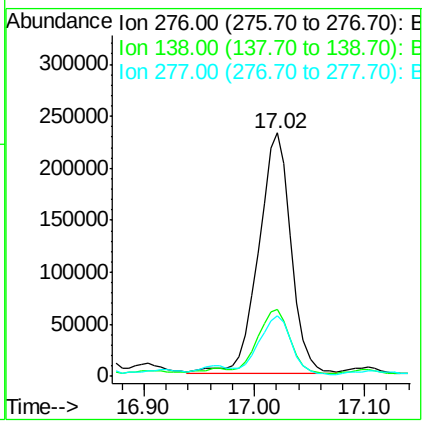


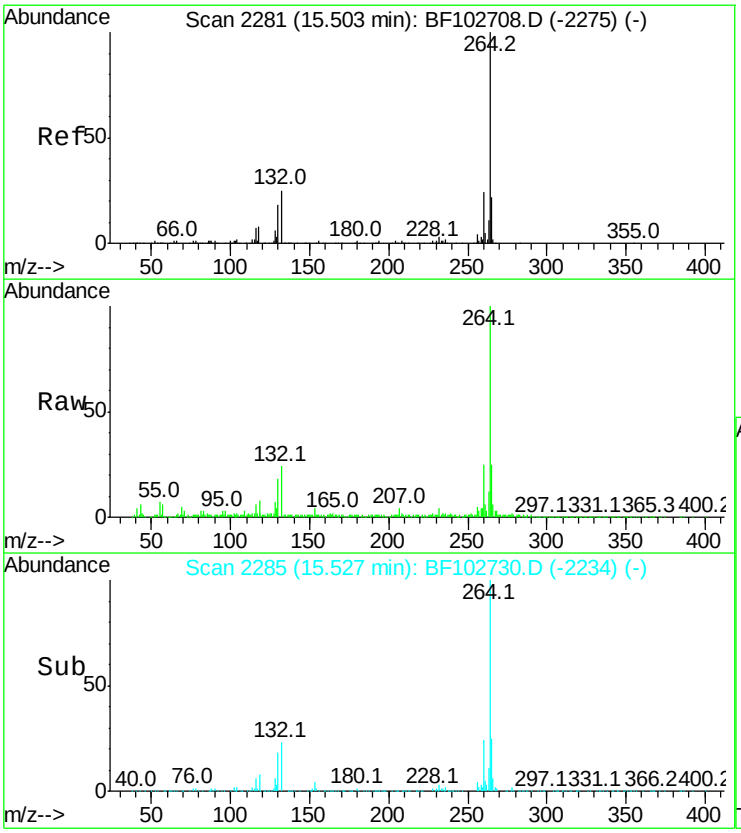
#85
Indeno(1,2,3-cd)pyrene
Concen: 25.659 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 474043

Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.0	37.6
277	24.7	20.1	30.1

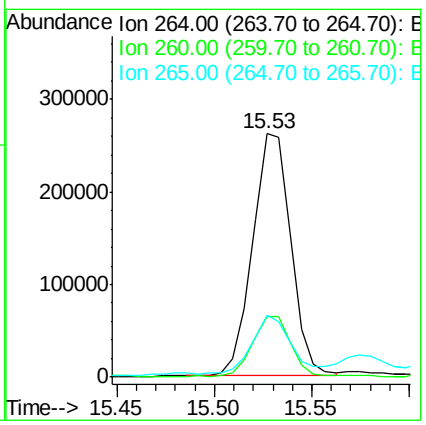


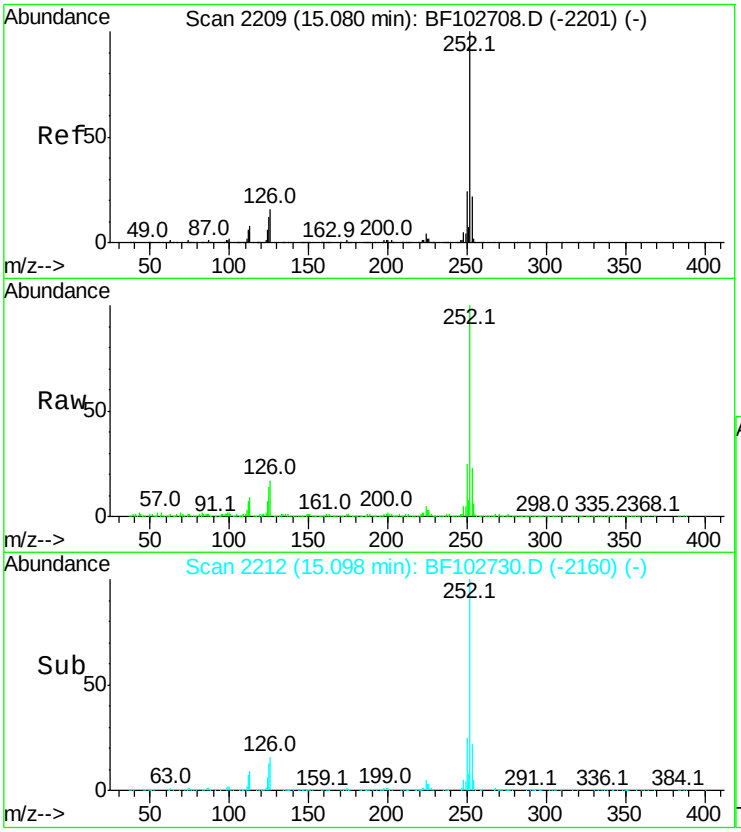


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.00 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:264 Resp: 353393

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	25.4	17.5	26.3



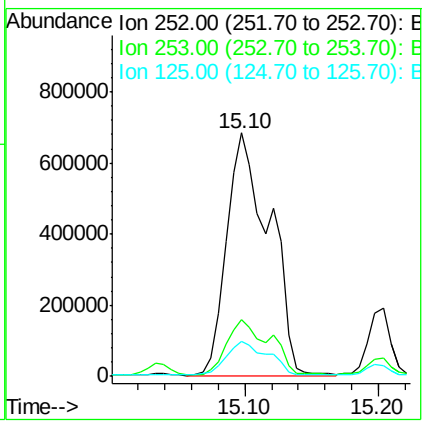


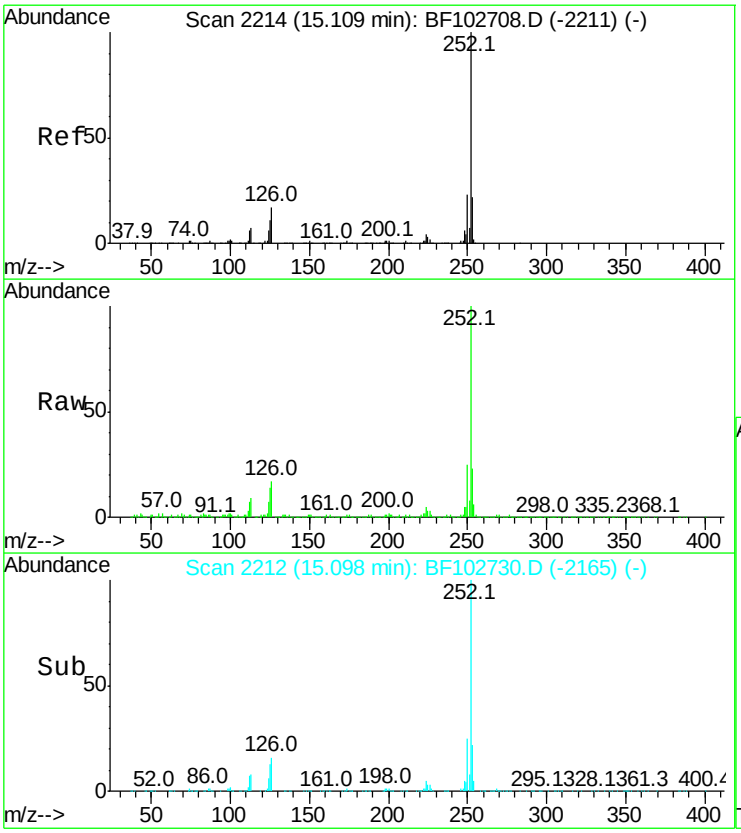
#87
Benzo(b)fluoranthene
Concen: 66.399 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1521313

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	14.1	9.0	13.6#

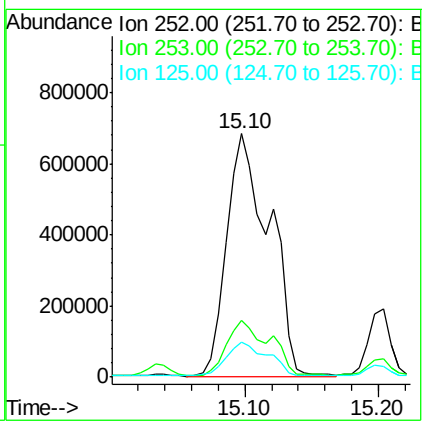


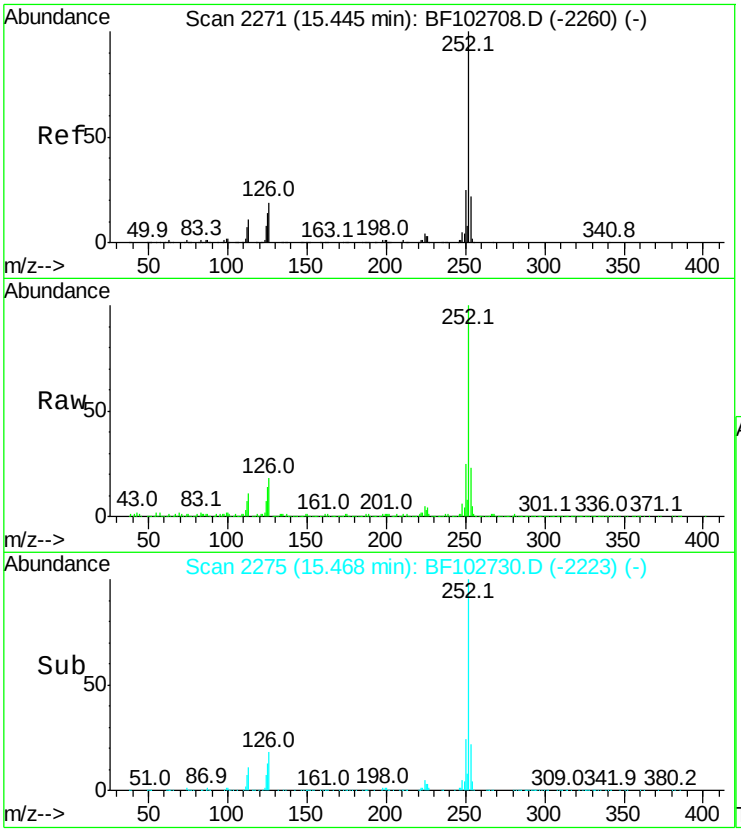


#88
Benzo(k)fluoranthene
Concen: 69.492 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:252 Resp: 1521313

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	14.1	10.2	15.2



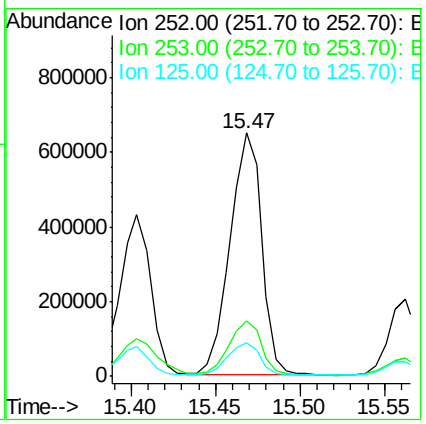


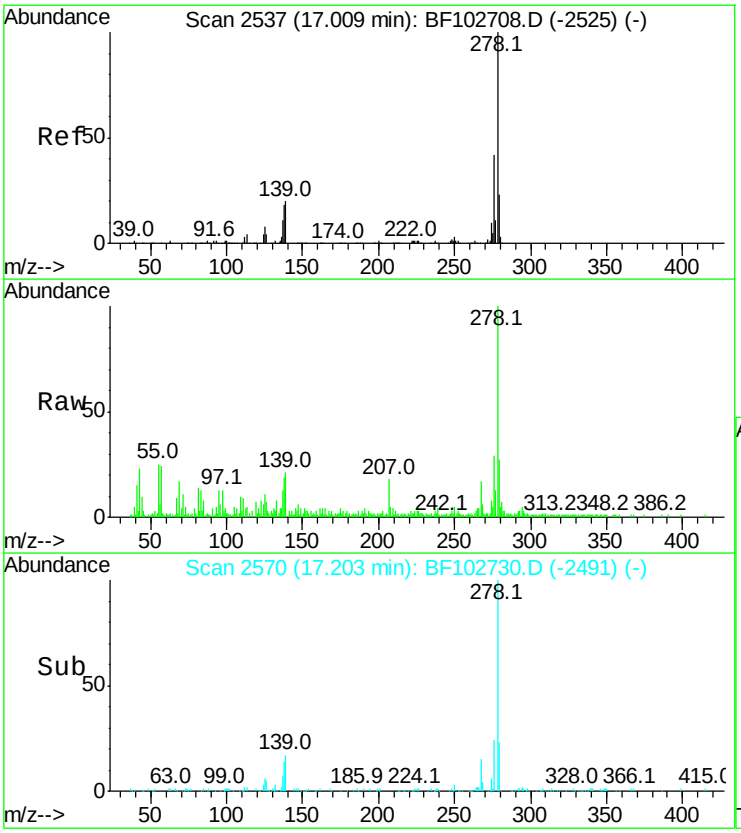
#89
Benzo(a)pyrene
Concen: 41.308 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 851903

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	13.9	9.8	14.6

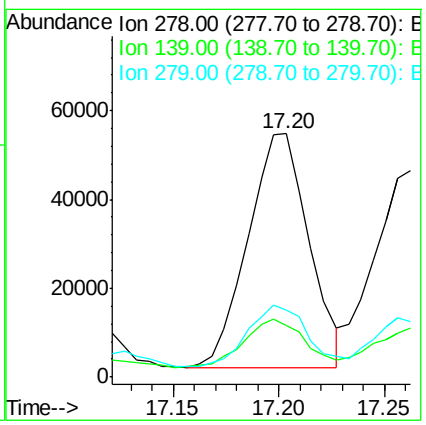


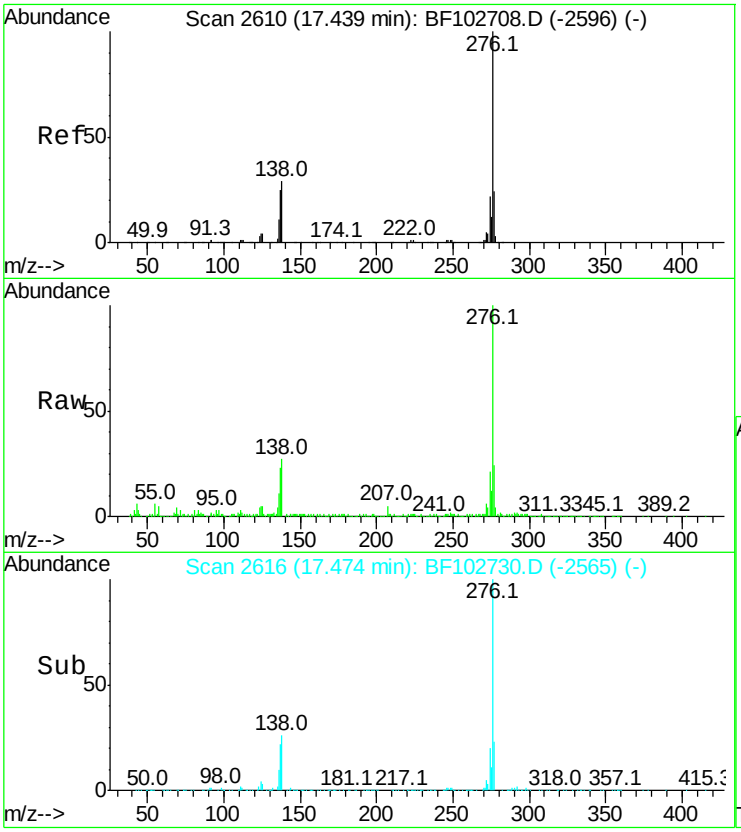


#90
Dibenzo(a,h)anthracene
Concen: 6.292 ng
RT: 17.20 min Scan# 2570
Delta R.T. 0.16 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Tgt Ion:278 Resp: 105326

Ion	Ratio	Lower	Upper
278	100		
139	20.9	15.9	23.9
279	27.3	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 27.645 ng
RT: 17.47 min Scan# 2616
Delta R.T. -0.00 min
Lab File: BF102730.D
Acq: 5 Feb 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 452941

Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	27.2	21.8	32.8