Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
Data File : BF104811.D
Acq On : 26 Apr 2018 2:32
Operator : JU/SJ
Sample : J2497-07 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Apr 26 08:22:41 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 14:01:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	99223	20.00	ng		0.00
21) Naphthalene-d8	8.09	136	405127	20.00	ng		0.00
38) Acenaphthene-d10	9.84	164	171549	20.00	ng		0.00
63) Phenanthrene-d10	11.33	188	252965	20.00	ng		0.00
75) Chrysene-d12	13.99	240	199415	20.00	ng		0.00
86) Perylene-d12	15.45	264	161921	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	74171	11.43	ng		0.00
7) Phenol-d6	6.43	99	90895	11.40	ng		-0.01
23) Nitrobenzene-d5	7.36	82	53386	8.60	ng		-0.01
41) 2,4,6-Tribromophenol	10.63	330	14820	8.33	ng		0.00
44) 2-Fluorobiphenyl	9.16	172	81718	7.53	ng		0.00
78) Terphenyl-d14	12.92	244	50602	5.79	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.35	77	248	Below Cal		#	1
25) Isophorone	7.36	82	53386	4.069	ng	#	64
31) Naphthalene	8.11	128	977201	48.441	ng		100
33) 4-Chloroaniline	8.11	127	129847	15.024	ng	#	34
35) Caprolactam	8.80	113	4318	2.240	ng	#	1
37) 2-Methylnaphthalene	8.80	142	191694	14.690	ng		97
45) 1,1'-Biphenyl	9.26	154	60708	4.213	ng		98
48) Acenaphthylene	9.70	152	231139	12.942	ng		99
51) Acenaphthene	9.87	154	179050	16.431	ng		99
54) Dibenzofuran	10.05	168	223189	14.697	ng		99
55) 4-Nitrophenol	10.05	139	86232	37.460	ng	#	10
57) Fluorene	10.39	166	344034	31.125	ng		99
70) Phenanthrene	11.36	178	1130390	80.241	ng		99
71) Anthracene	11.41	178	367119	25.637	ng		98
72) Carbazole	11.56	167	99585	7.117	ng		99
74) Fluoranthene	12.56	202	1119271	76.044	ng		97
76) Benzidine	12.67	184	235	Below Cal		#	1
77) Pyrene	12.79	202	967860	65.479	ng		99
80) Benzo(a)anthracene	14.01	228	467332	39.228	ng		95
82) Chrysene	14.01	228	467332	38.191	ng		97
87) Benzo(b)fluoranthene	15.03	252	783483	76.612	ng		97
88) Benzo(k)fluoranthene	15.03	252	783483	81.149	ng		99
89) Benzo(a)pyrene	15.39	252	420217	45.924	ng		97
90) Dibenzo(a,h)anthracene	17.09	278	50776	6.756	ng		95
91) Benzo(g,h,i)perylene	17.36	276	200150	27.490	ng		94

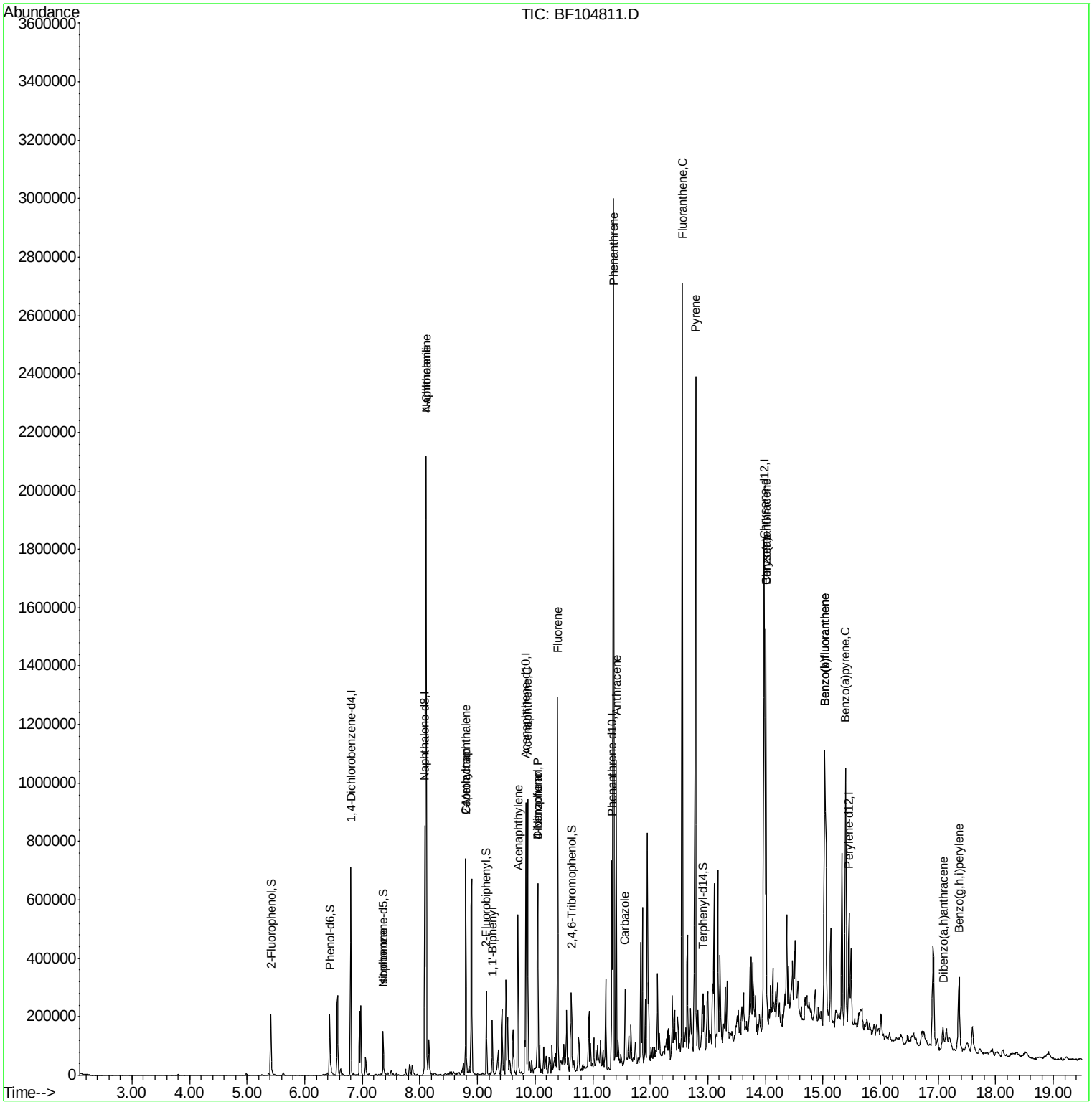
(#) = qualifier out of range (m) = manual integration (+) = signals summed

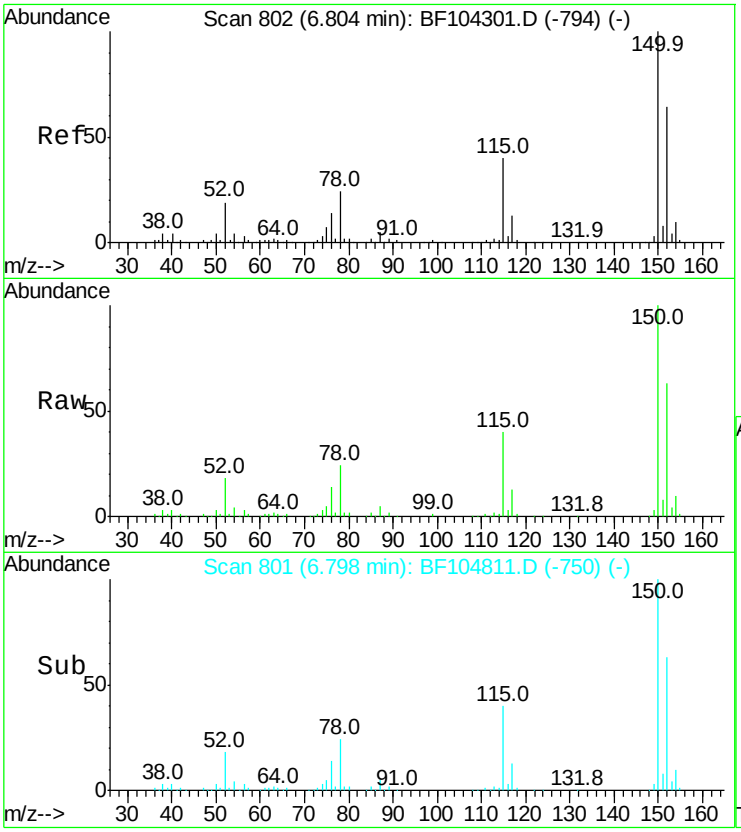
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
Data File : BF104811.D
Acq On : 26 Apr 2018 2:32
Operator : JU/SJ
Sample : J2497-07 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 26 08:22:41 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 14:01:50 2018
Response via : Initial Calibration



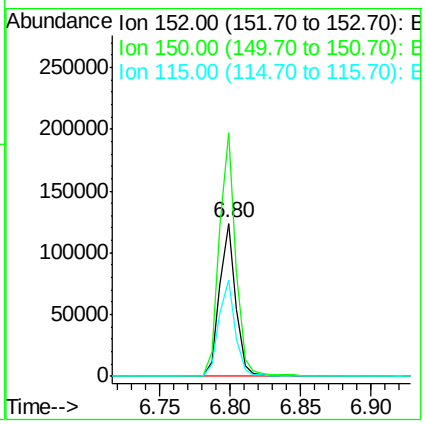


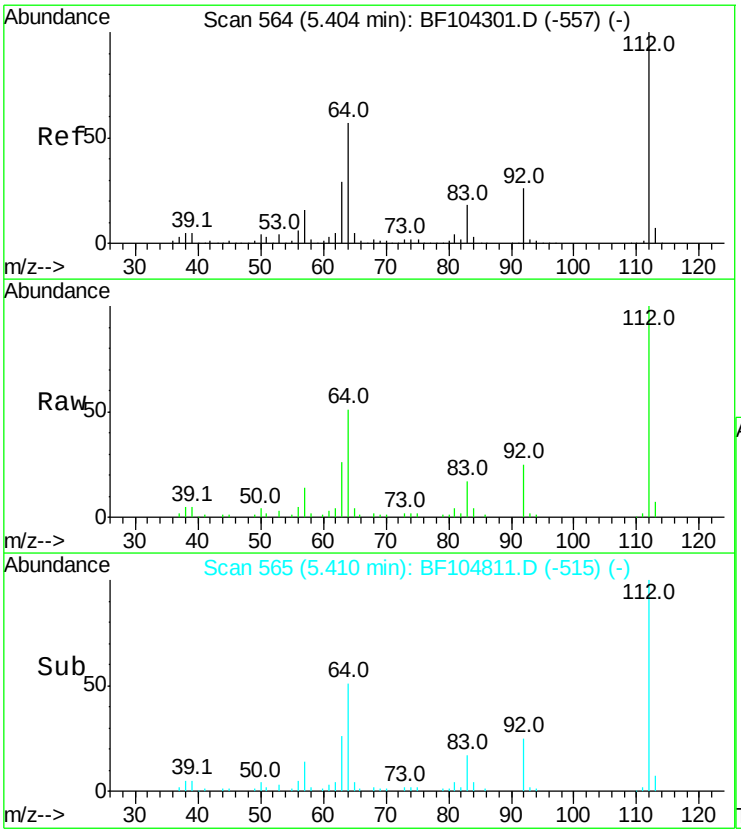
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 99223

Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	63.1	50.1	75.1

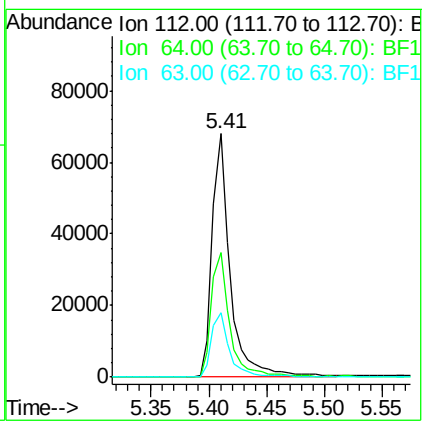


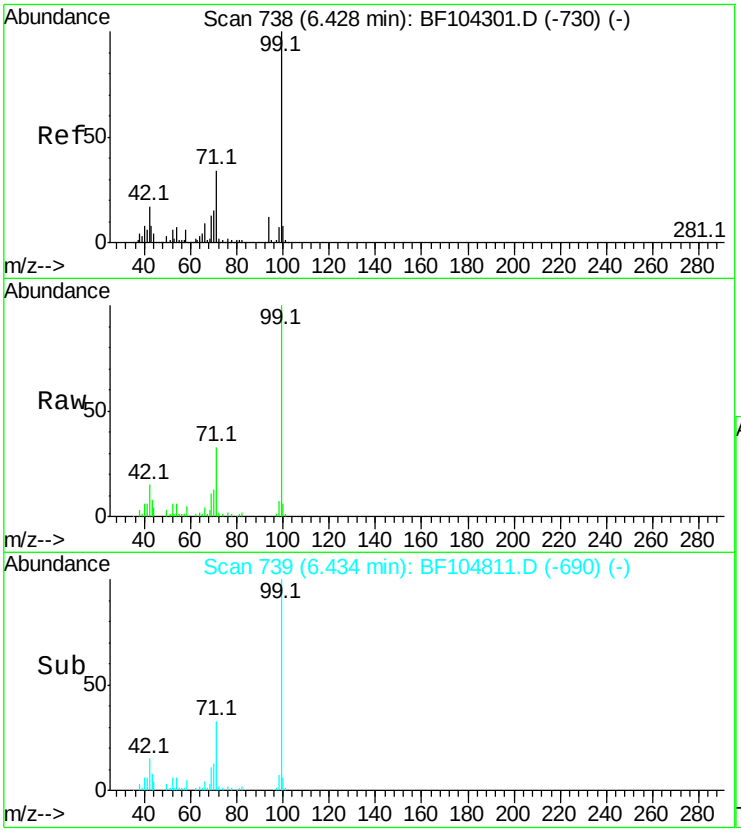


#5
2-Fluorophenol
Concen: 11.430 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:112 Resp: 74171

Ion	Ratio	Lower	Upper
112	100		
64	51.0	47.9	71.9
63	26.3	23.7	35.5



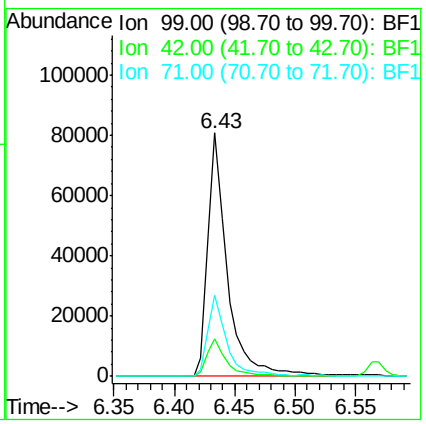


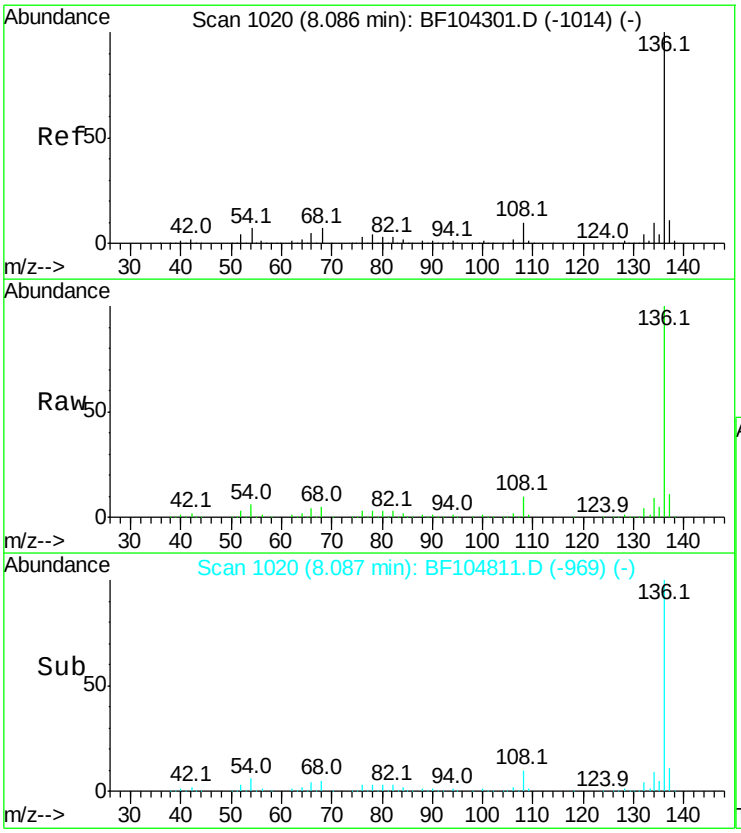
#7
Phenol-d6
Concen: 11.400 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 90895

Ion	Ratio	Lower	Upper
99	100		
42	15.2	14.5	21.7
71	33.1	25.4	38.0

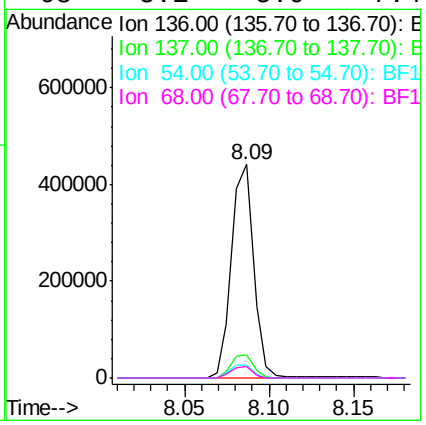


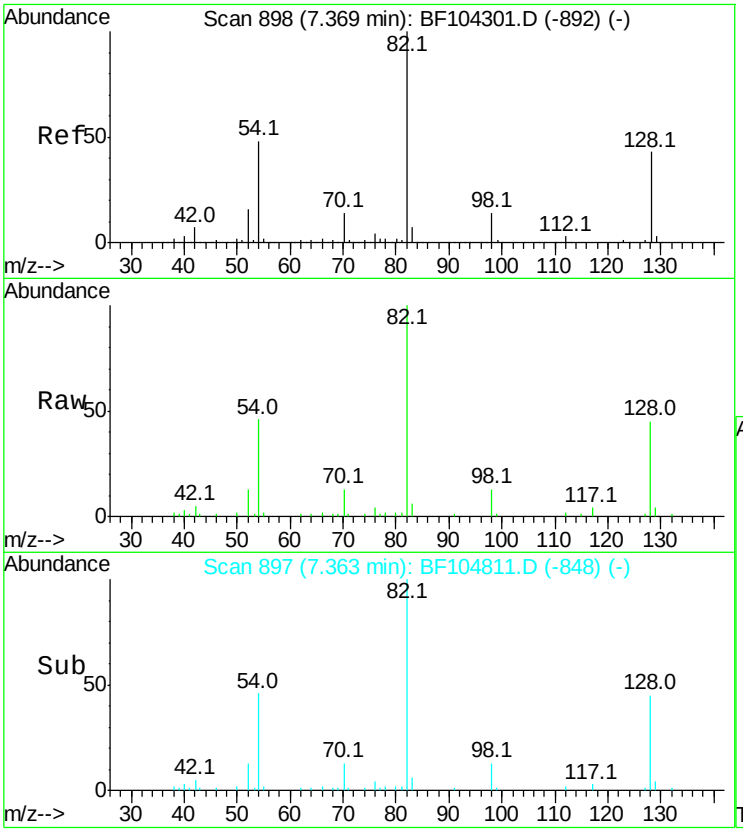


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:136 Resp: 405127

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.0	6.6	9.8#
68	5.1	5.0	7.4

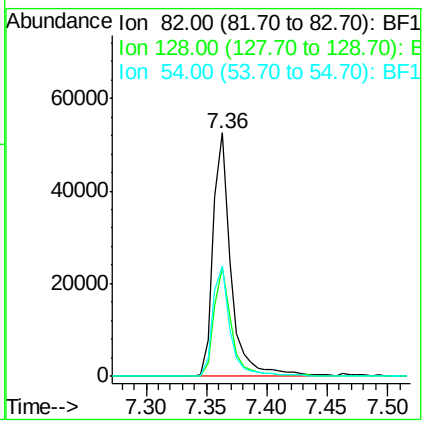




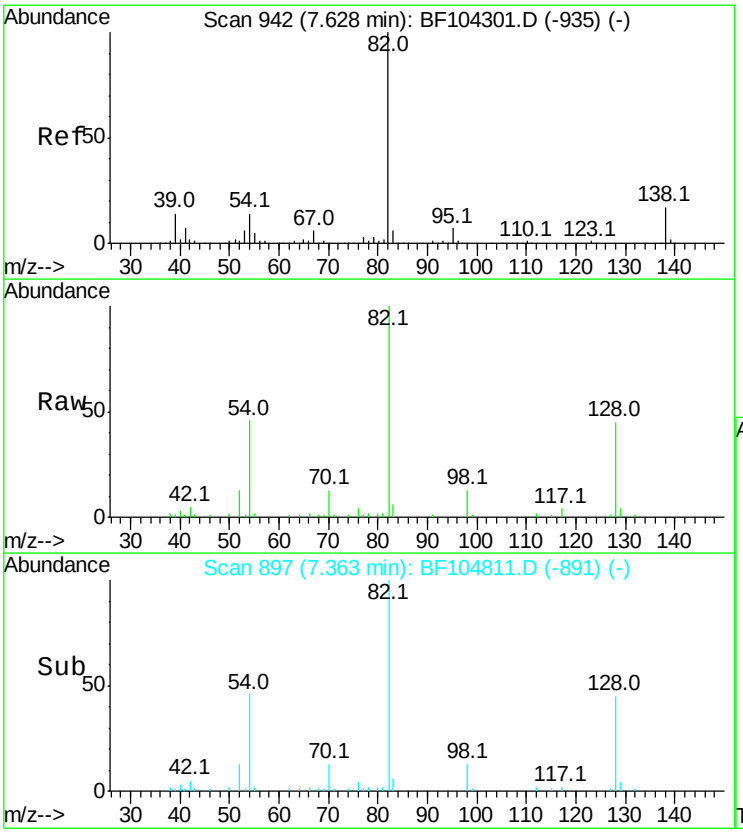
#23
Nitrobenzene-d5
Concen: 8.605 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion: 82 Resp: 53386

Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	45.6	41.4	62.2



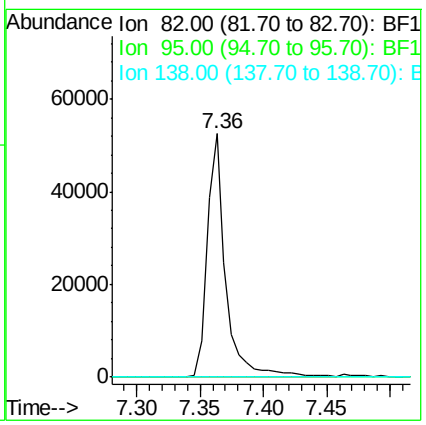
Instrument :
BNA_F
ClientSampleId :

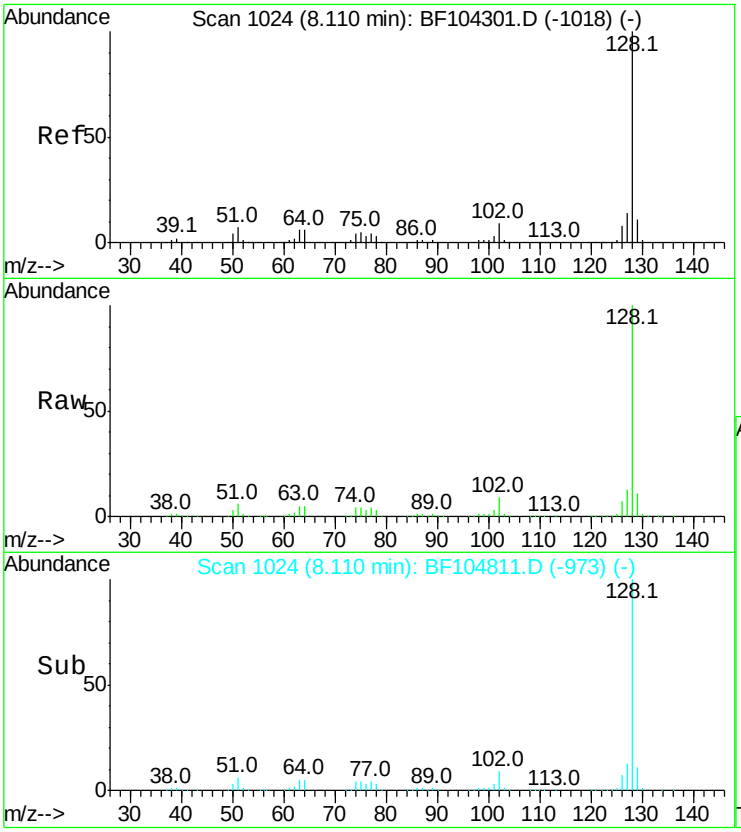


#25
Isophorone
Concen: 4.069 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion: 82 Resp: 53386

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



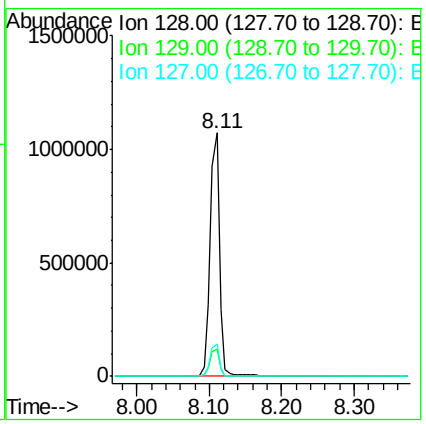


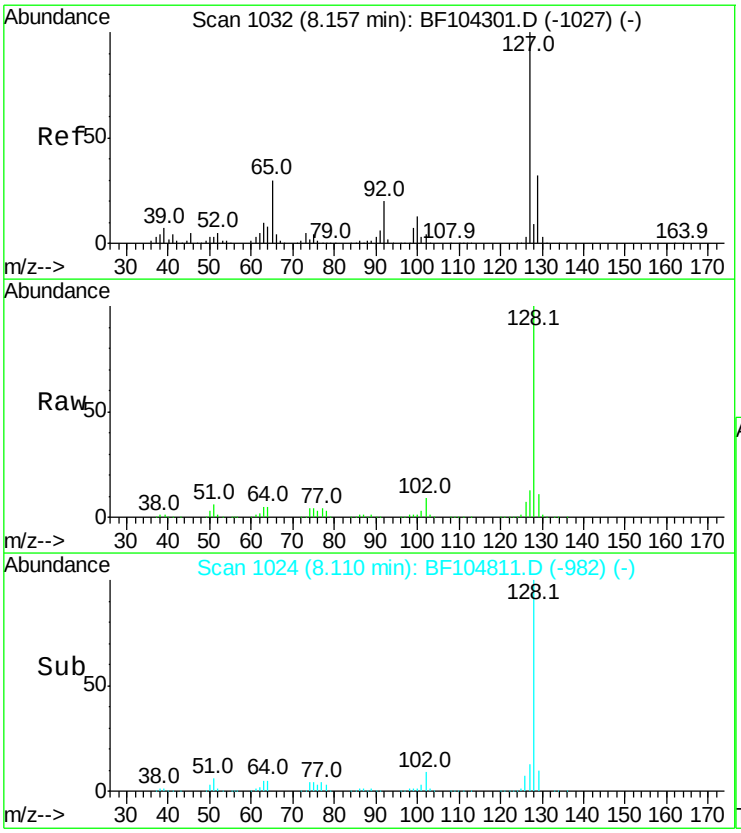
#31
Naphthalene
Concen: 48.441 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 977201

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.9	16.3

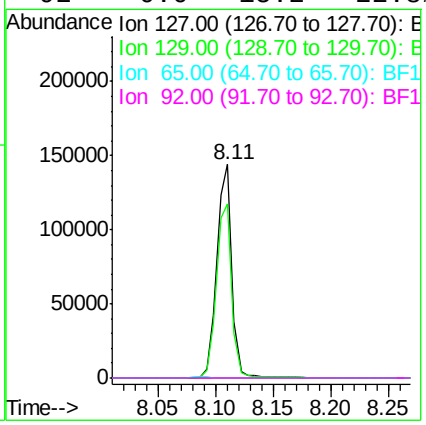


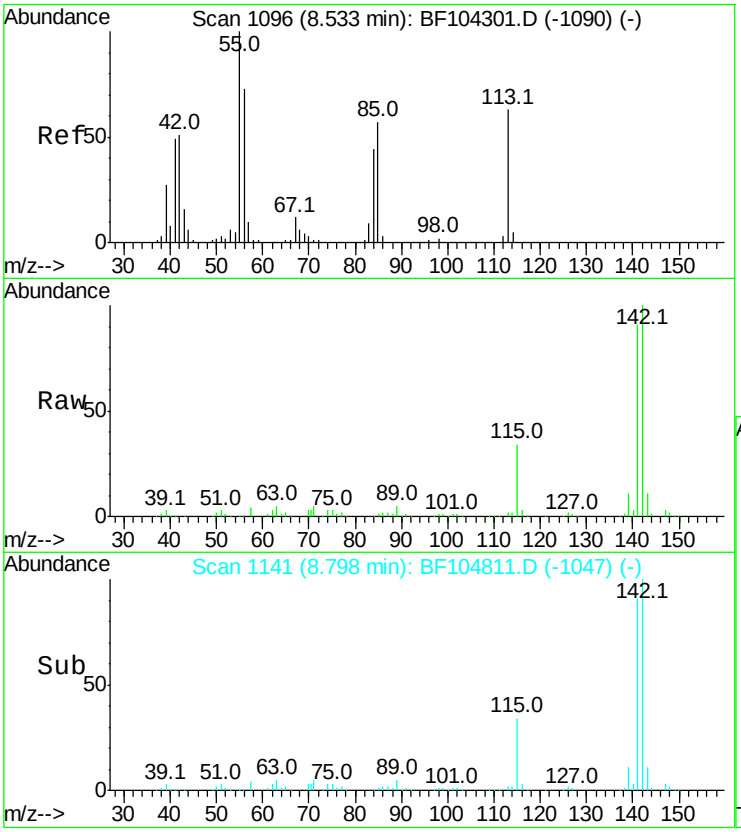


#33
4-Chloroaniline
Concen: 15.024 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.05 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:127 Resp: 129847

Ion	Ratio	Lower	Upper
127	100		
129	81.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



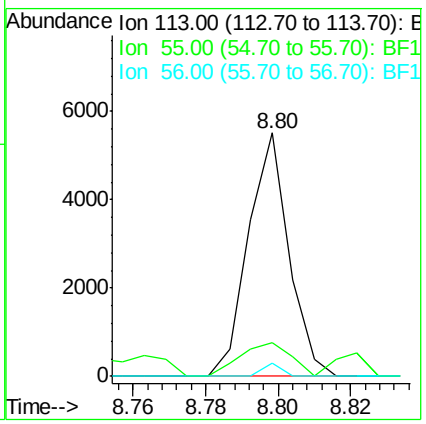


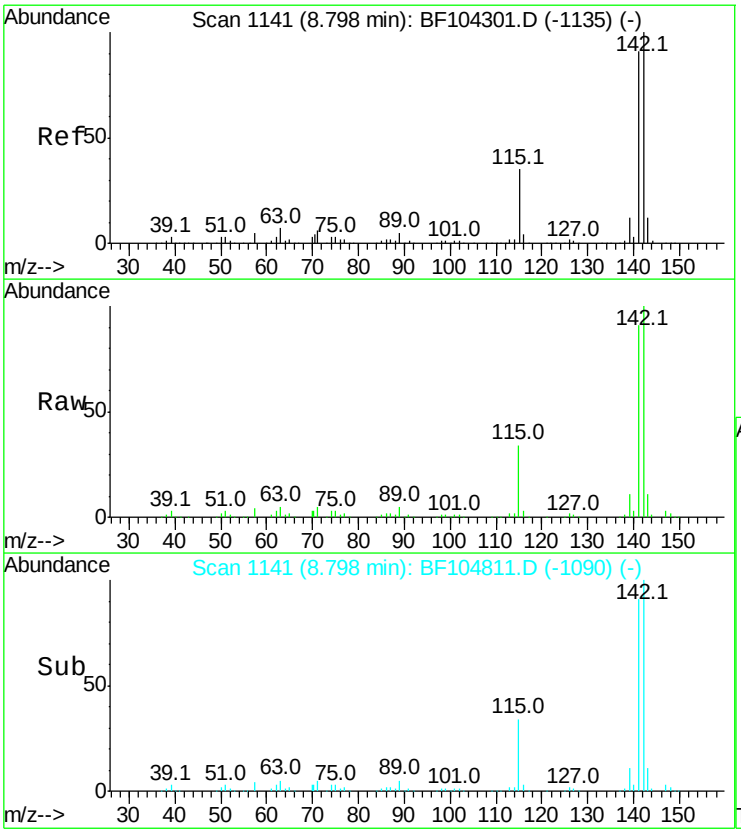
#35
Caprolactam
Concen: 2.240 ng
RT: 8.80 min Scan# 1141
Delta R.T. 0.25 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:113 Resp: 4318

Ion	Ratio	Lower	Upper
113	100		
55	19.2	163.3	203.3#
56	5.5	115.7	155.7#

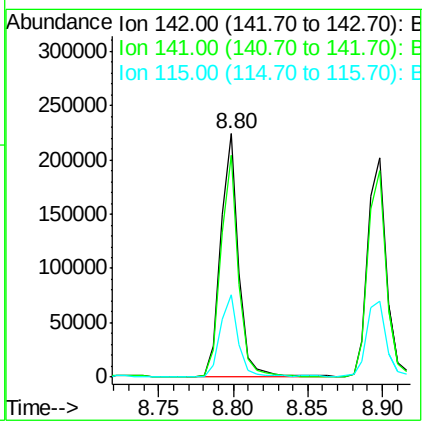


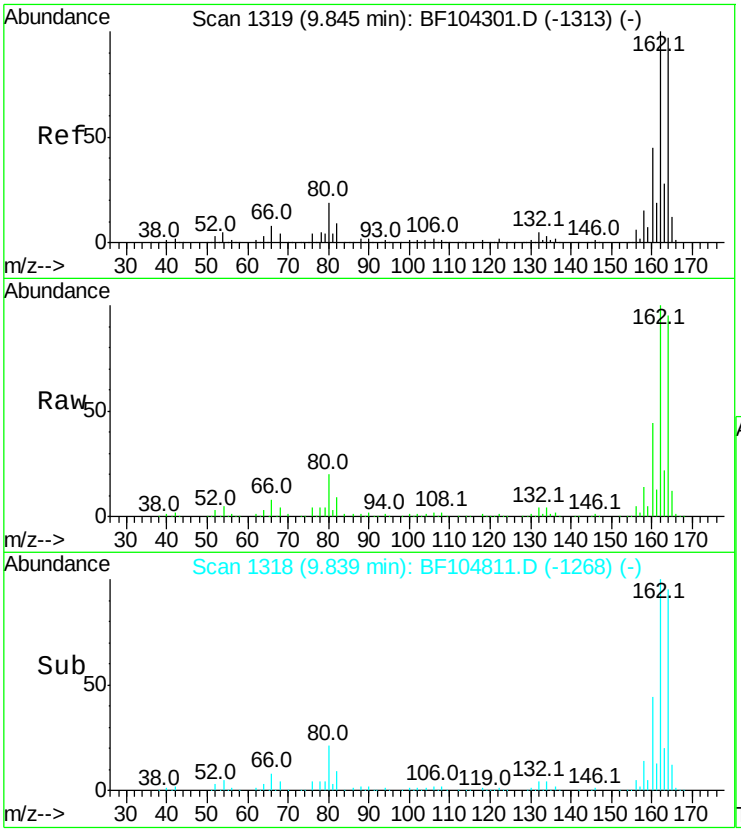


#37
2-Methylnaphthalene
Concen: 14.690 ng
RT: 8.80 min Scan# 1141
Delta R.T. 0.00 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:142 Resp: 191694

Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.8	106.2
115	33.8	26.1	39.1



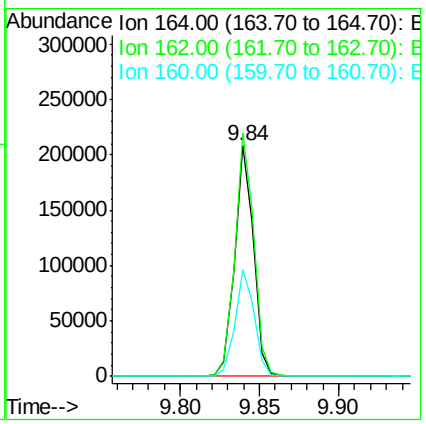


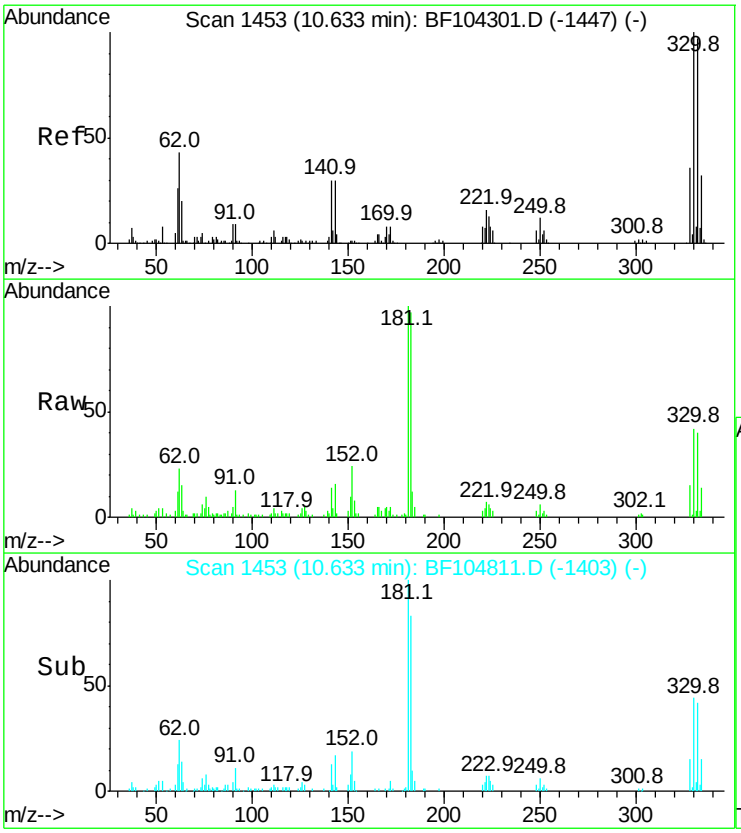
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 171549

Ion	Ratio	Lower	Upper
164	100		
162	105.7	86.1	129.1
160	46.5	38.3	57.5

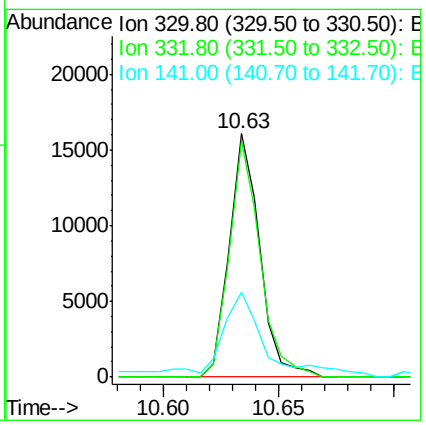


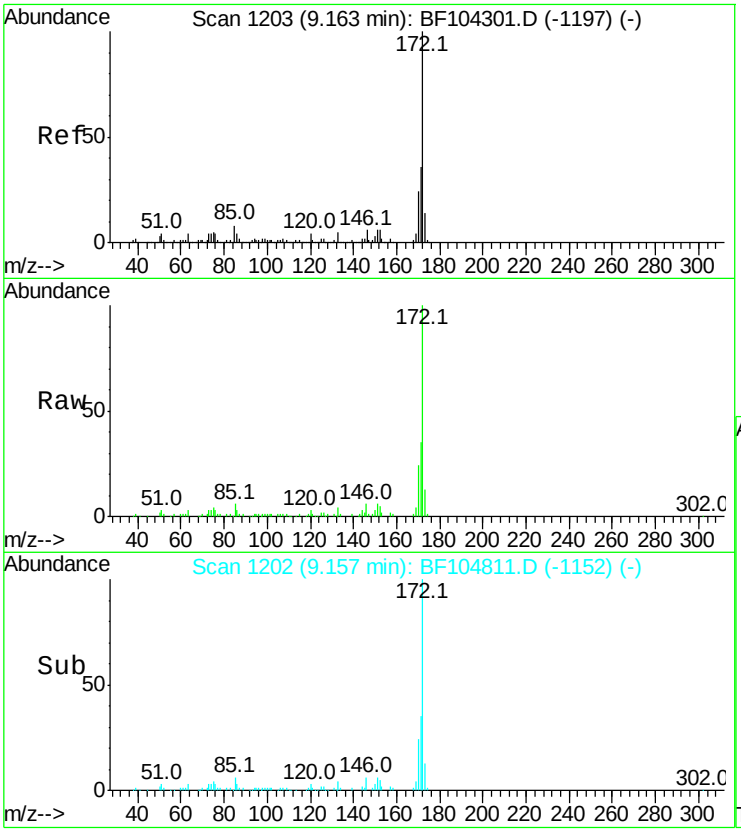


#41
2,4,6-Tribromophenol
Concen: 8.328 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:330 Resp: 14820

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	51.5	29.9	44.9#



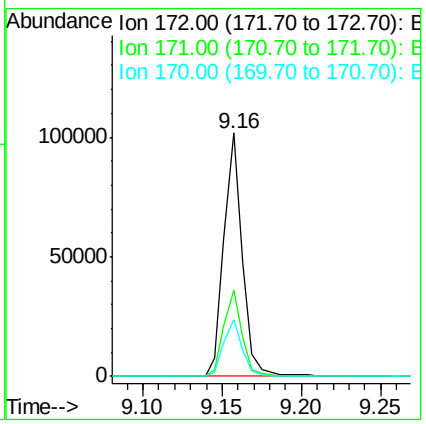


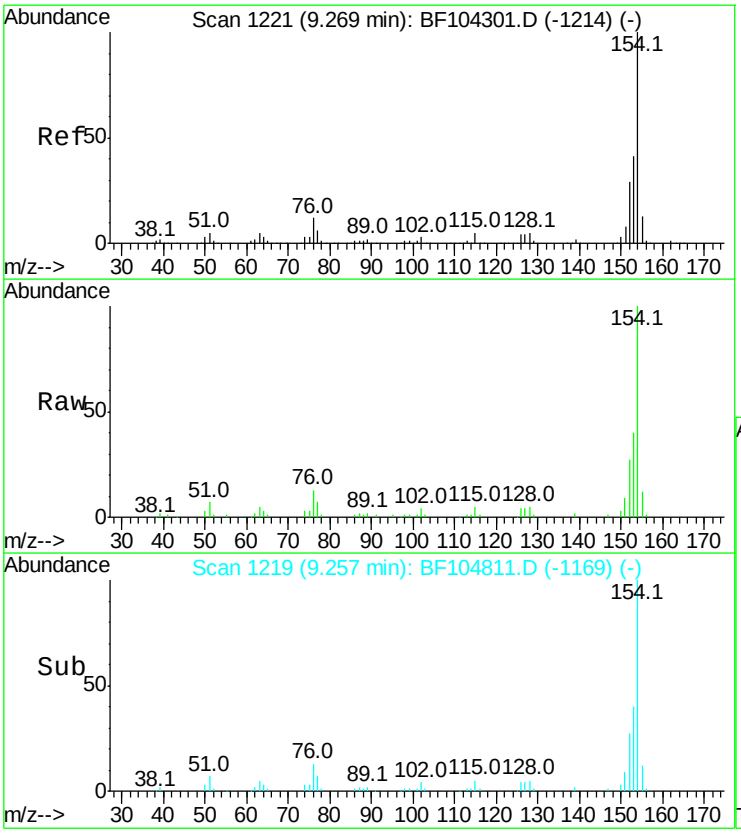
#44
2-Fluorobiphenyl
Concen: 7.525 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 81718

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.5	19.6	29.4

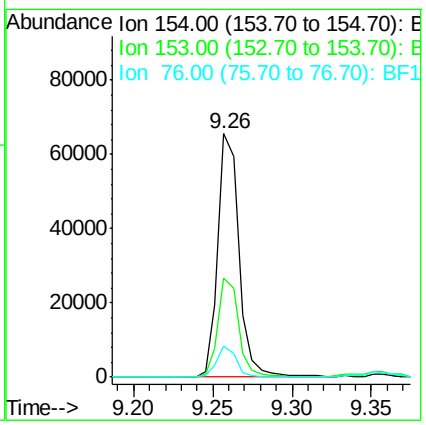


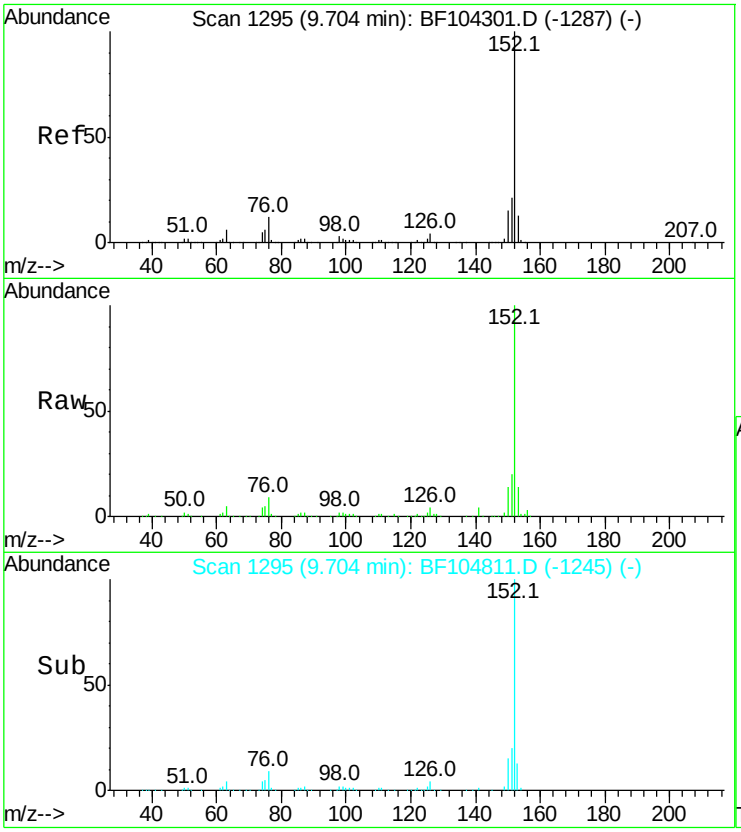


#45
1,1'-Biphenyl
Concen: 4.213 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:154 Resp: 60708

Ion	Ratio	Lower	Upper
154	100		
153	40.5	21.3	61.3
76	12.6	0.0	34.0



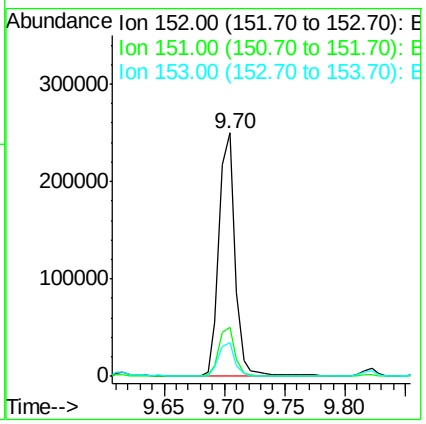


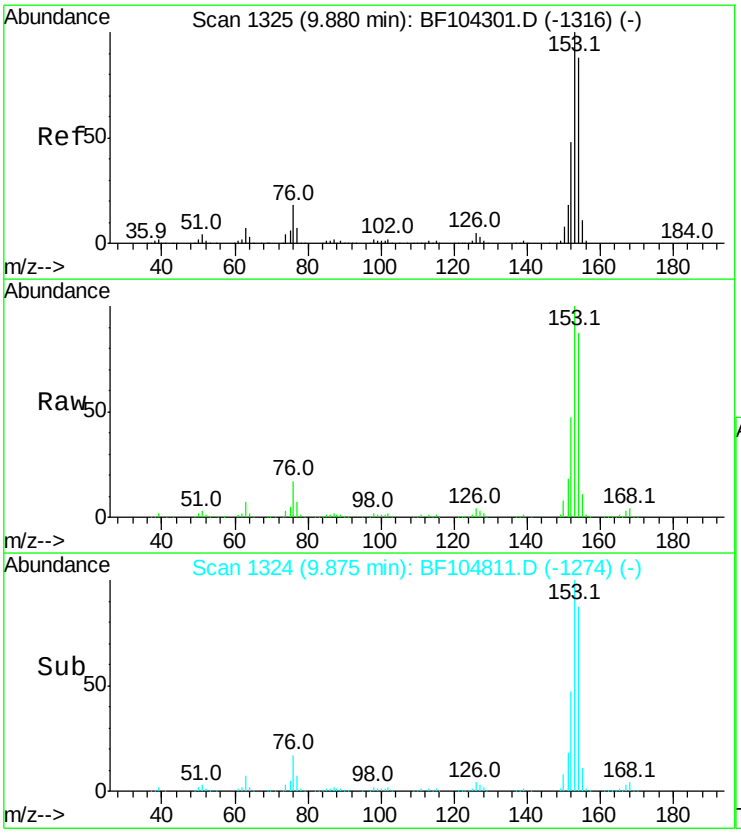
#48
Acenaphthylene
Concen: 12.942 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 231139

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	13.6	10.7	16.1

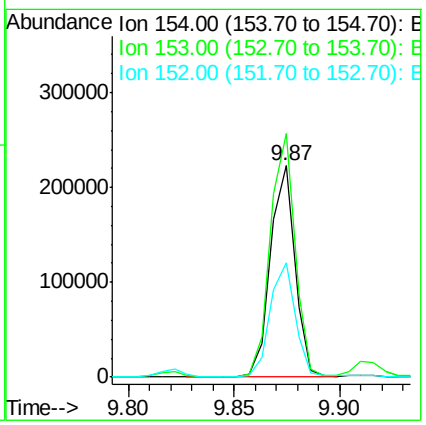


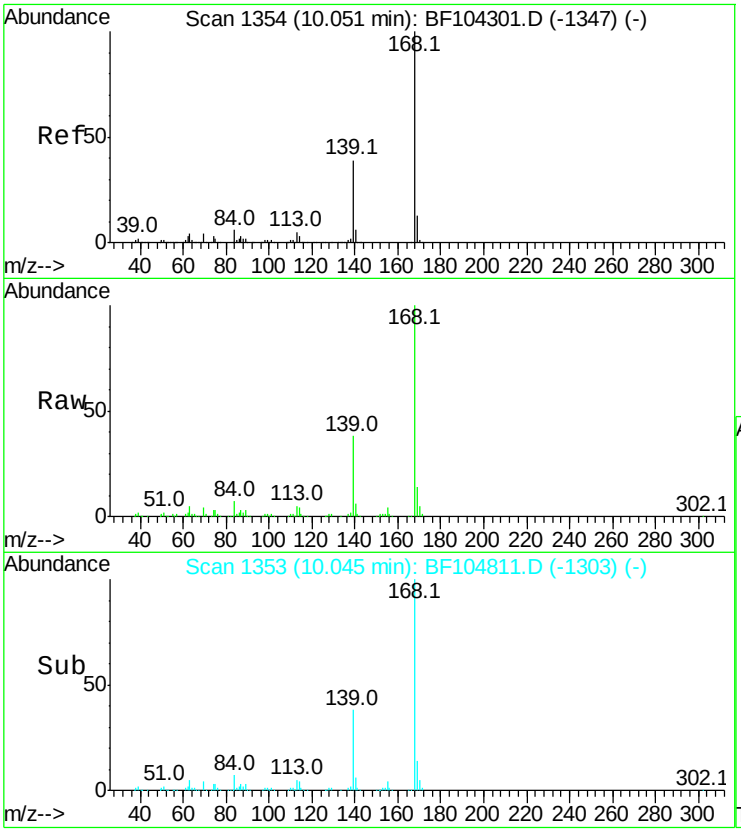


#51
Acenaphthene
Concen: 16.431 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:154 Resp: 179050

Ion	Ratio	Lower	Upper
154	100		
153	115.3	91.2	136.8
152	54.4	43.8	65.8



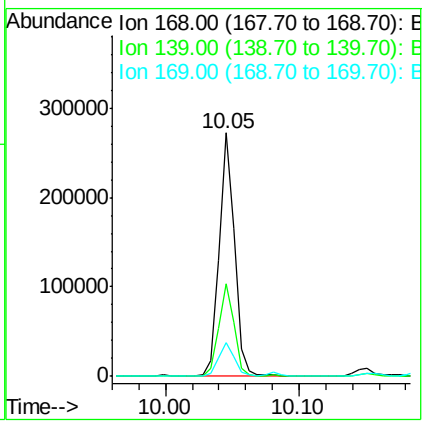


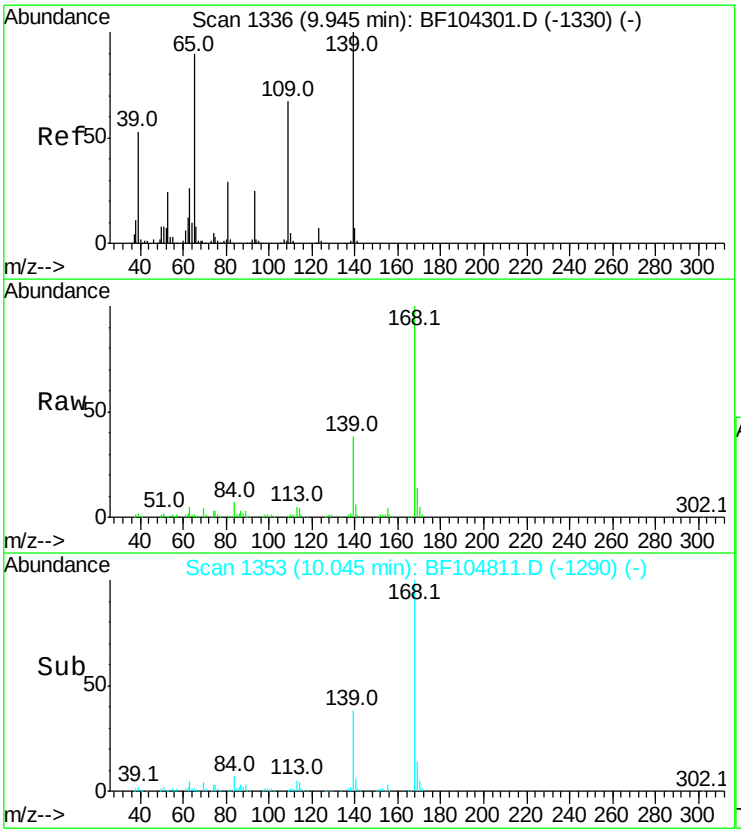
#54
Dibenzofuran
Concen: 14.697 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 223189

Ion	Ratio	Lower	Upper
168	100		
139	38.2	30.1	45.1
169	13.9	10.9	16.3

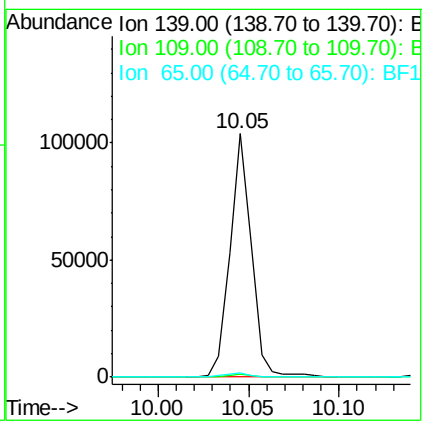


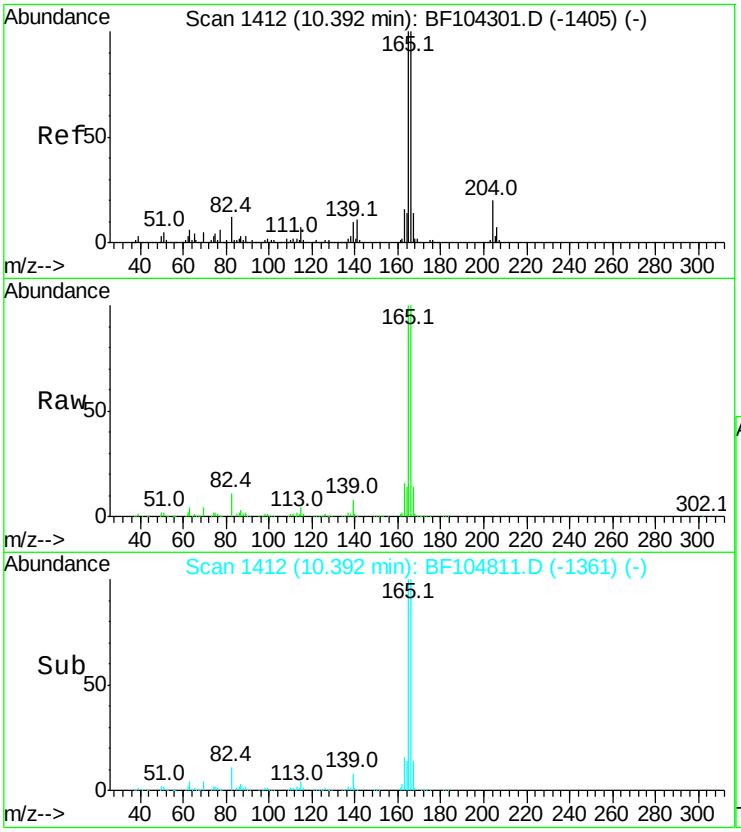


#55
4-Nitrophenol
Concen: 37.460 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.07 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:139 Resp: 86232

Ion	Ratio	Lower	Upper
139	100		
109	1.0	48.4	88.4#
65	1.5	72.6	112.6#



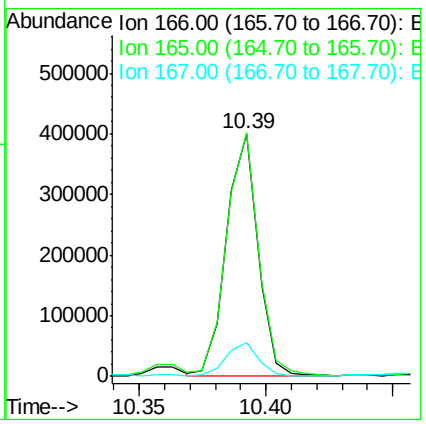


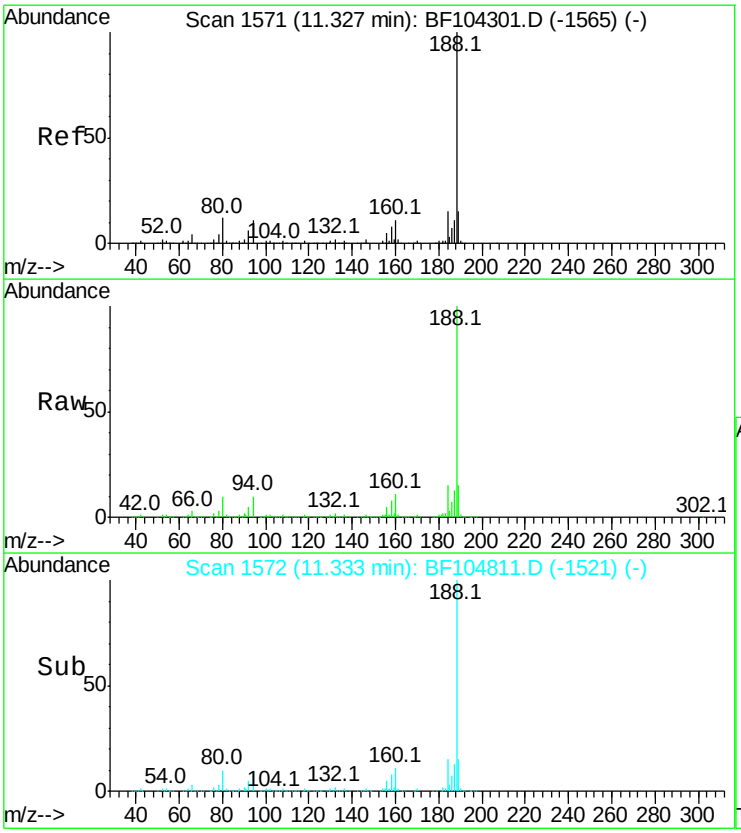
#57
Fluorene
Concen: 31.125 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 344034

Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.8
167	14.1	10.6	16.0

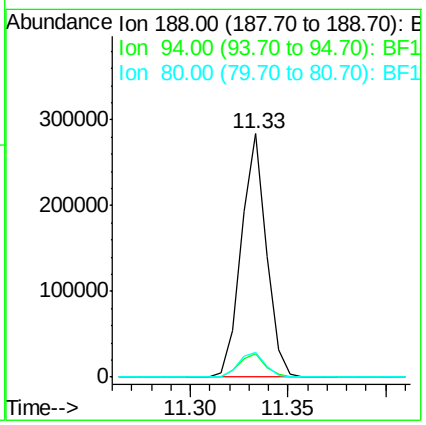


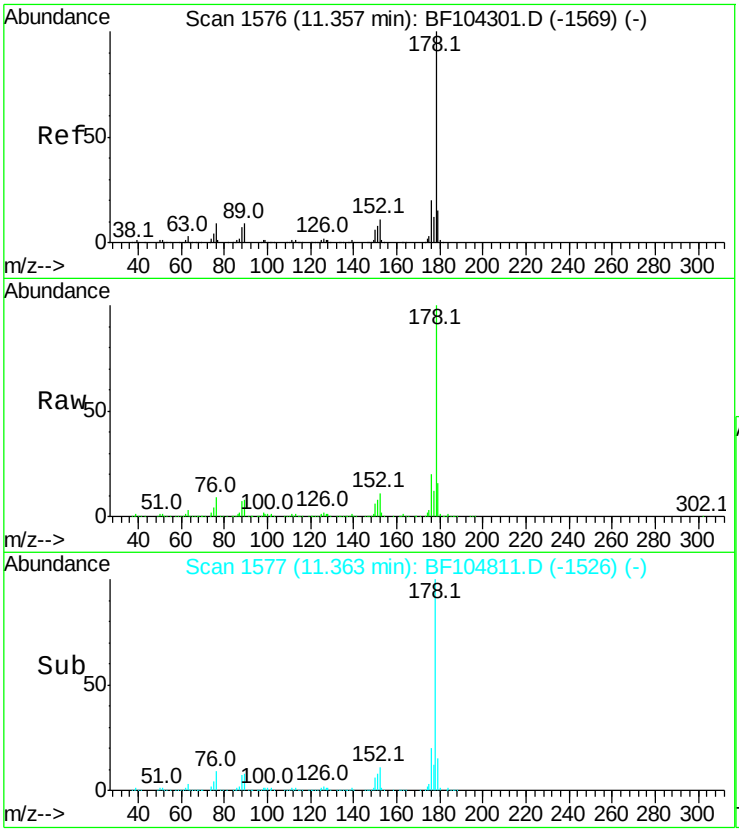


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:188 Resp: 252965

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.1	9.2	13.8



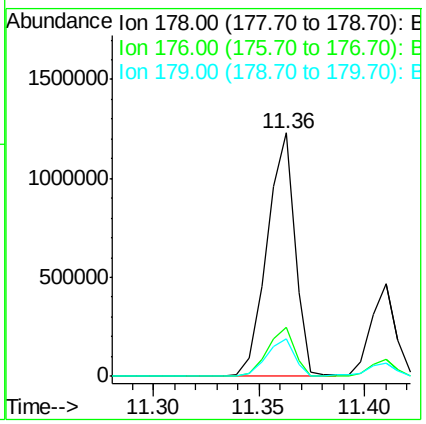


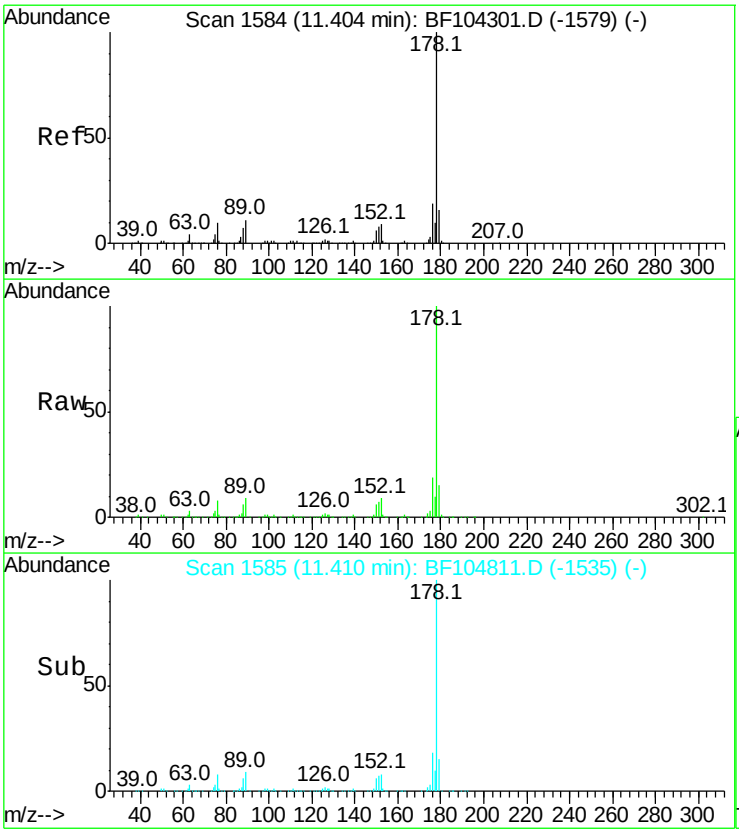
#70
Phenanthrene
Concen: 80.241 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 1130390

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.5	13.0	19.6

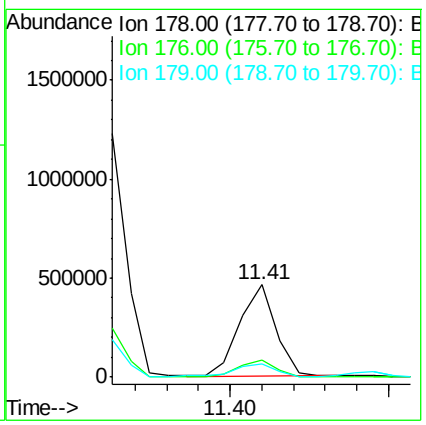


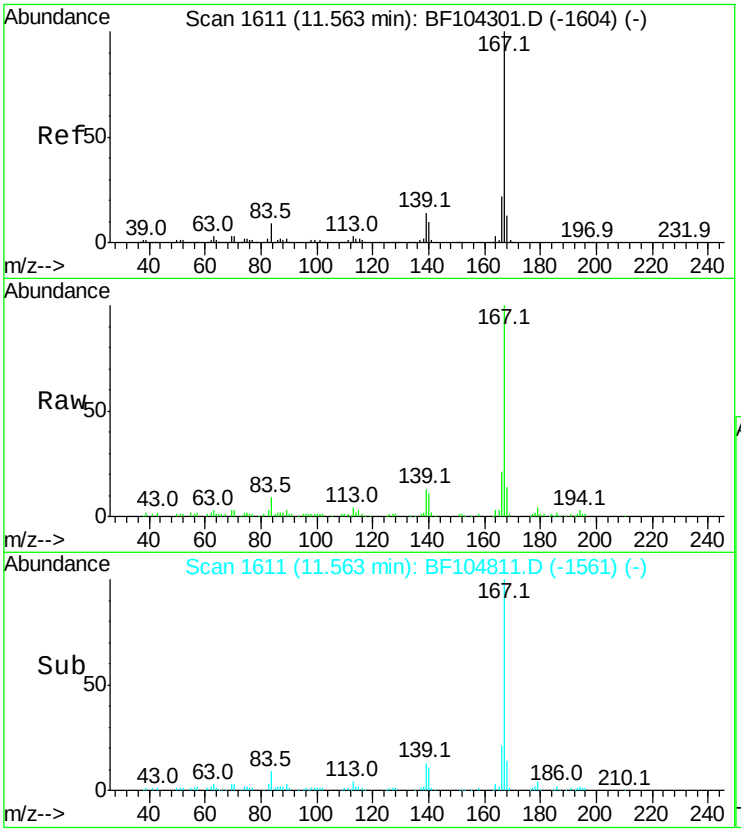


#71
Anthracene
Concen: 25.637 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:178 Resp: 367119

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	14.9	12.6	19.0



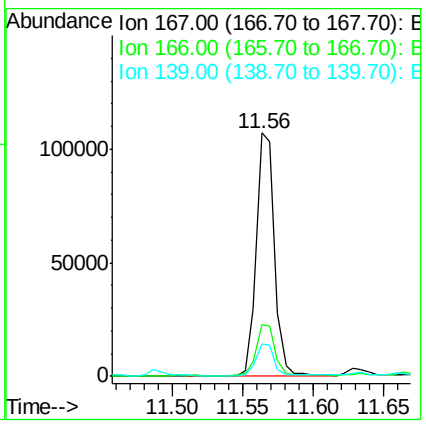


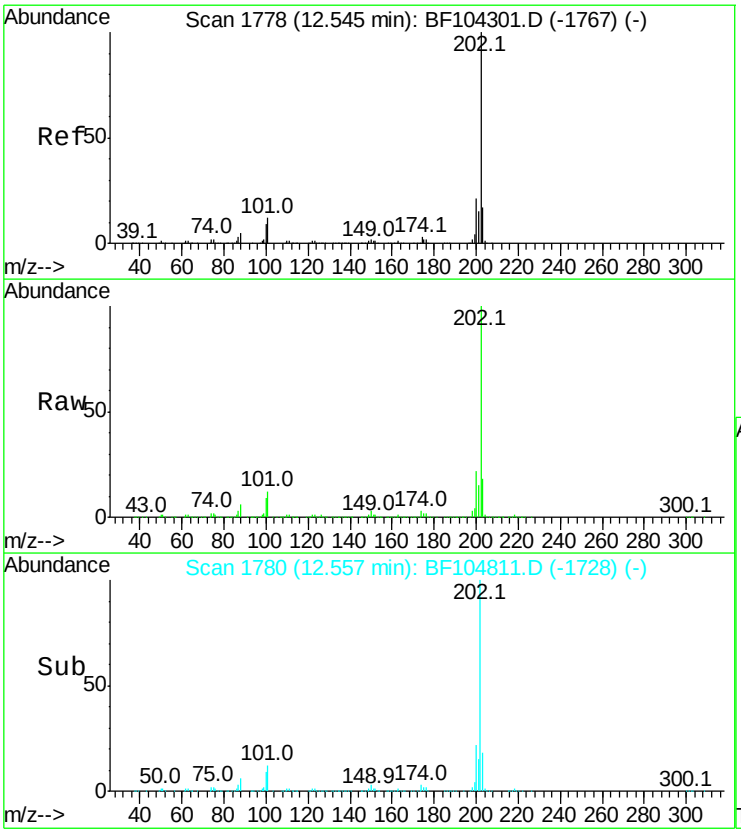
#72
Carbazole
Concen: 7.117 ng
RT: 11.56 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 99585

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.6	26.4
139	13.2	10.9	16.3

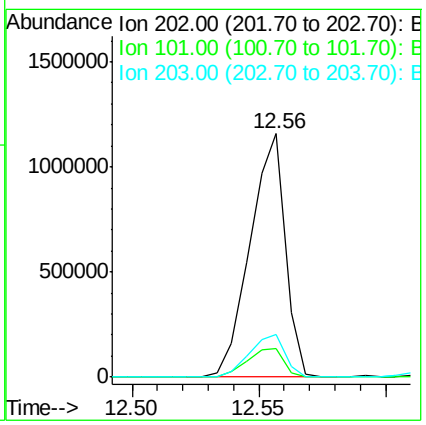


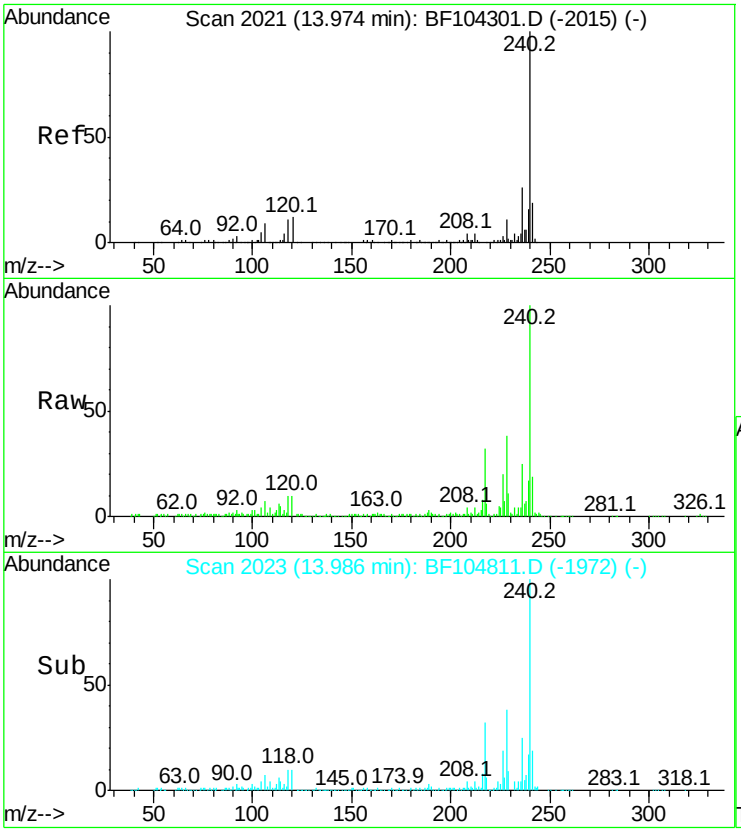


#74
Fluoranthene
Concen: 76.044 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:202 Resp: 1119271

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.6	0.0	38.1



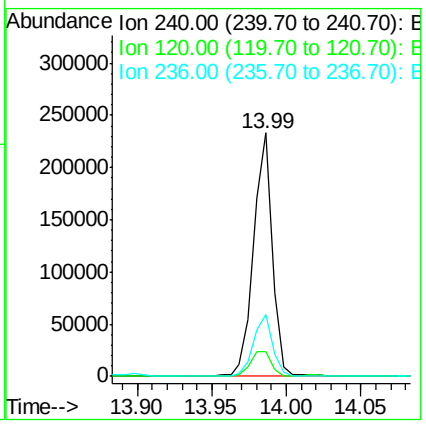


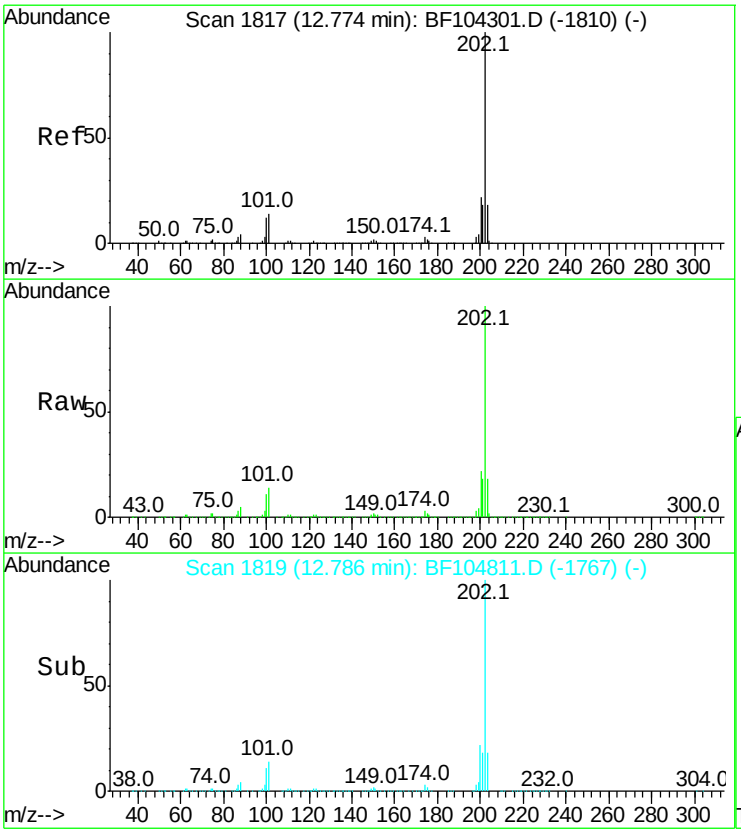
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 199415

Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.5	14.3
236	25.3	20.7	31.1

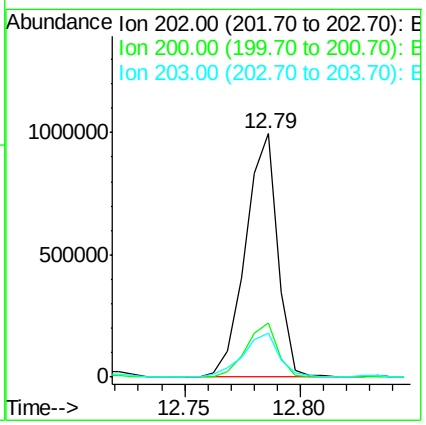


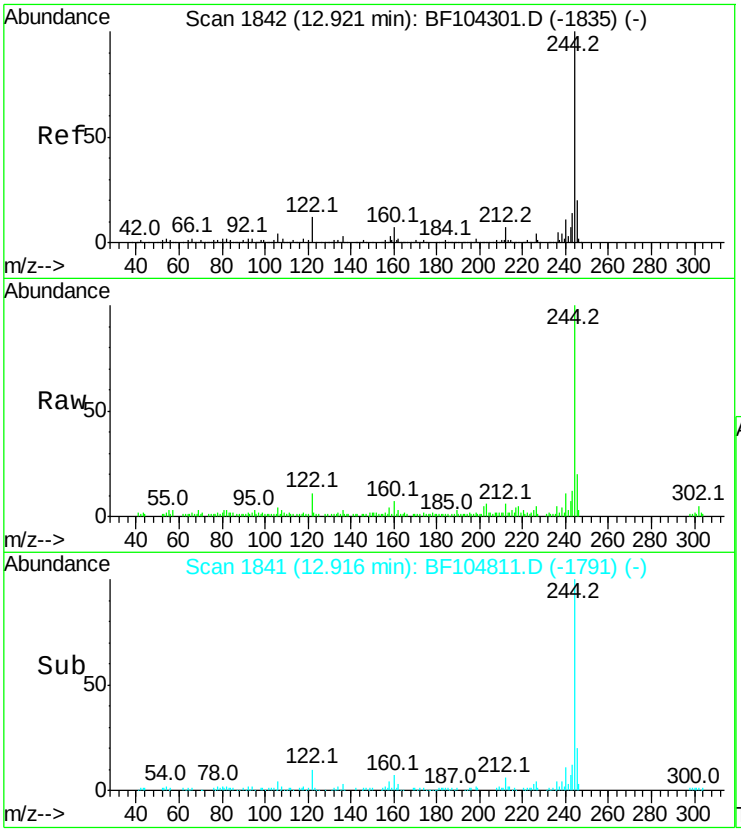


#77
Pyrene
Concen: 65.479 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:202 Resp: 967860

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.2	14.3	21.5



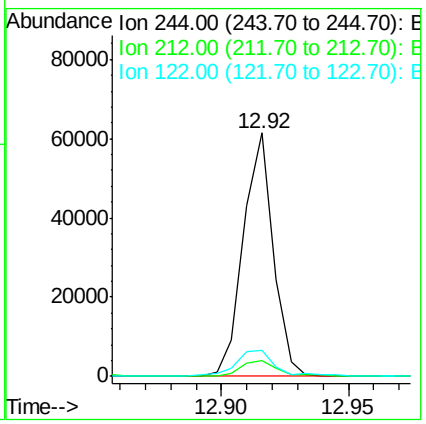


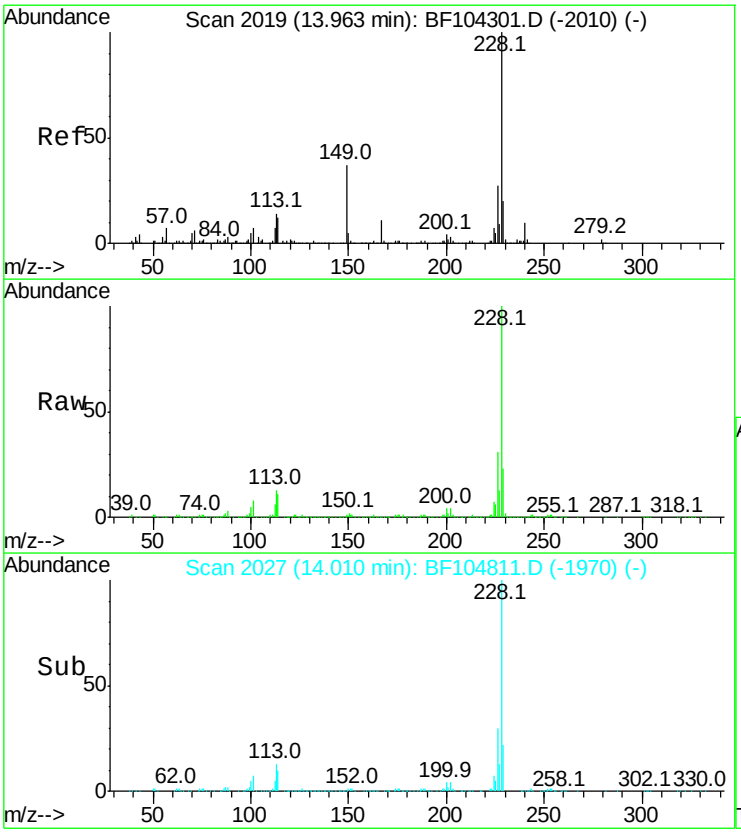
#78
Terphenyl-d14
Concen: 5.785 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 50602

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	10.8	11.0	16.4#

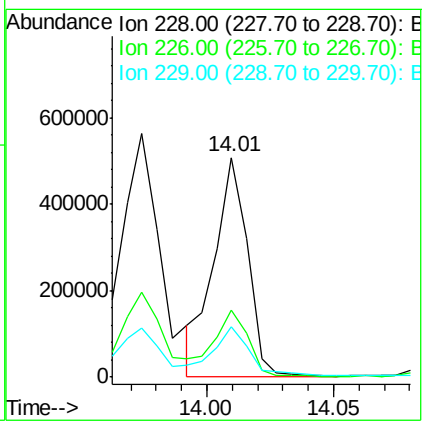


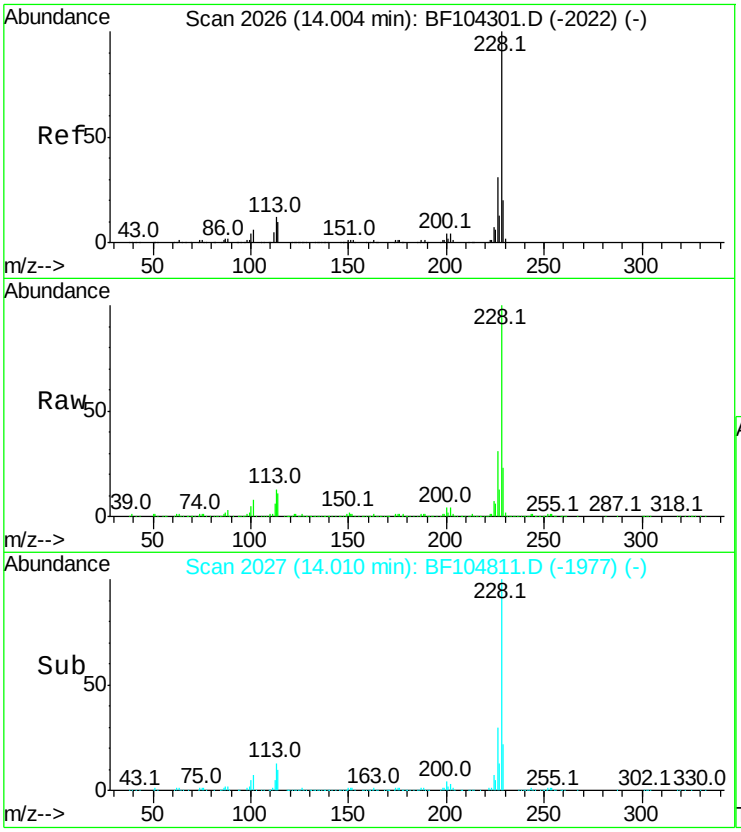


#80
Benzo(a)anthracene
Concen: 39.228 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.04 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:228 Resp: 467332

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	22.7	15.8	23.6



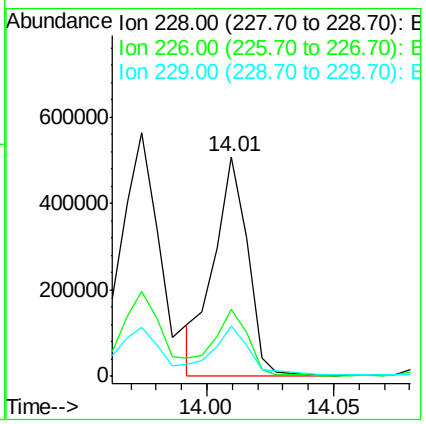


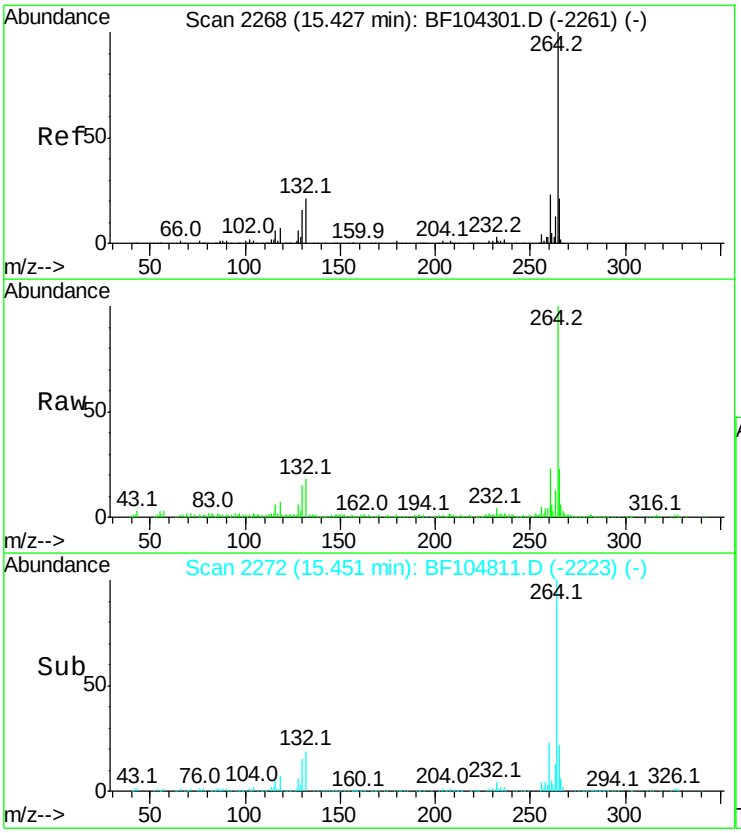
#82
Chrysene
Concen: 38.191 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 467332

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.7	16.2	24.4

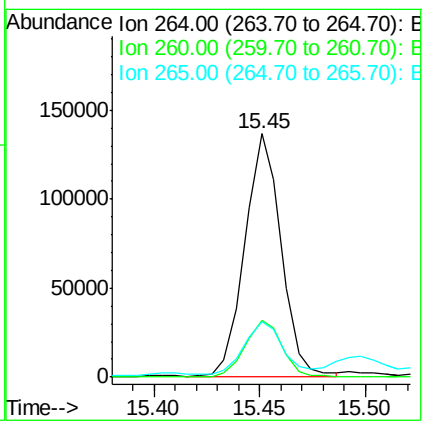


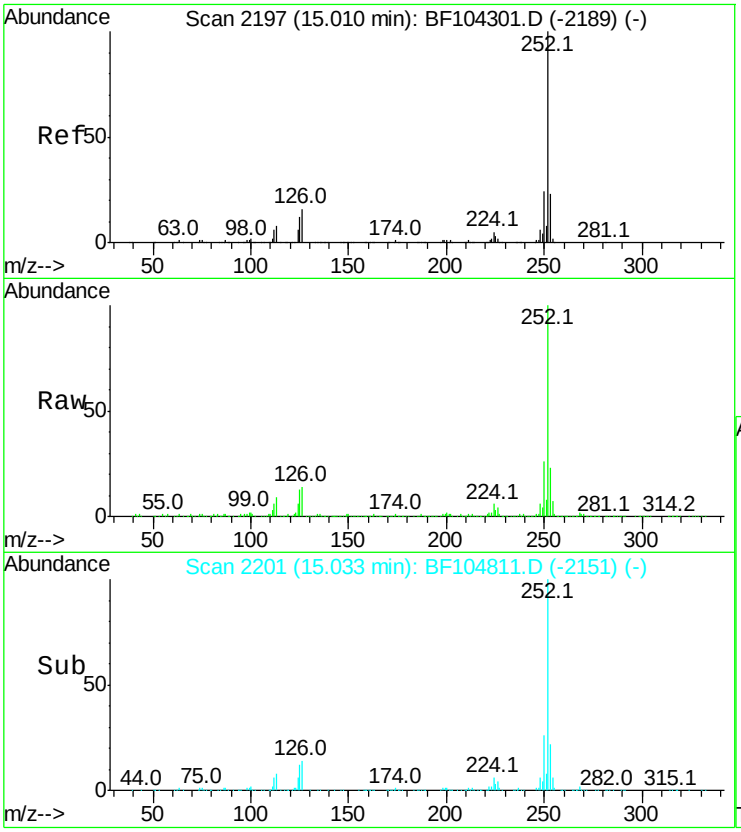


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:264 Resp: 161921

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.6	17.5	26.3



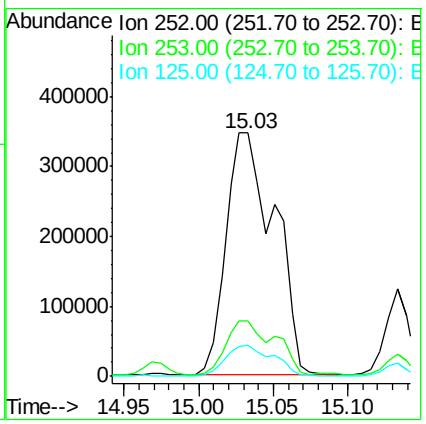


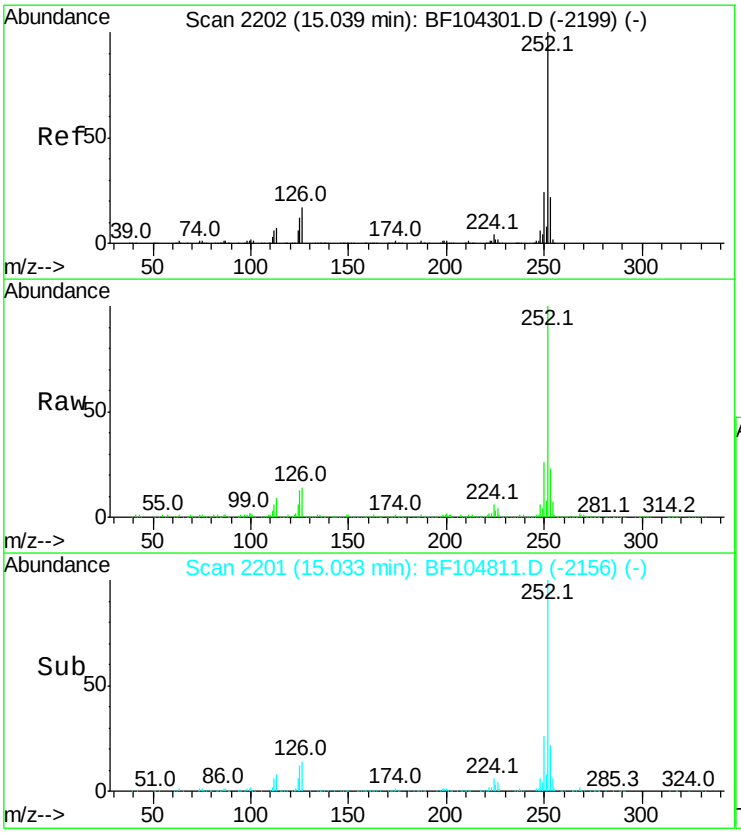
#87
Benzo(b)fluoranthene
Concen: 76.612 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 783483

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	12.8	9.0	13.6

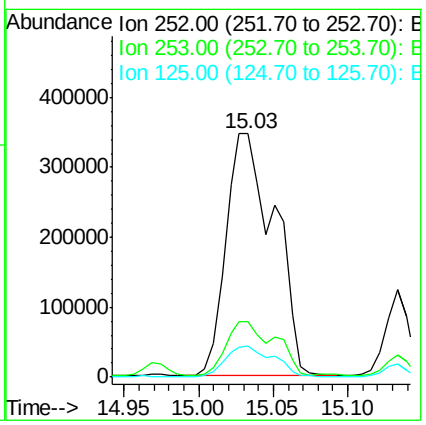


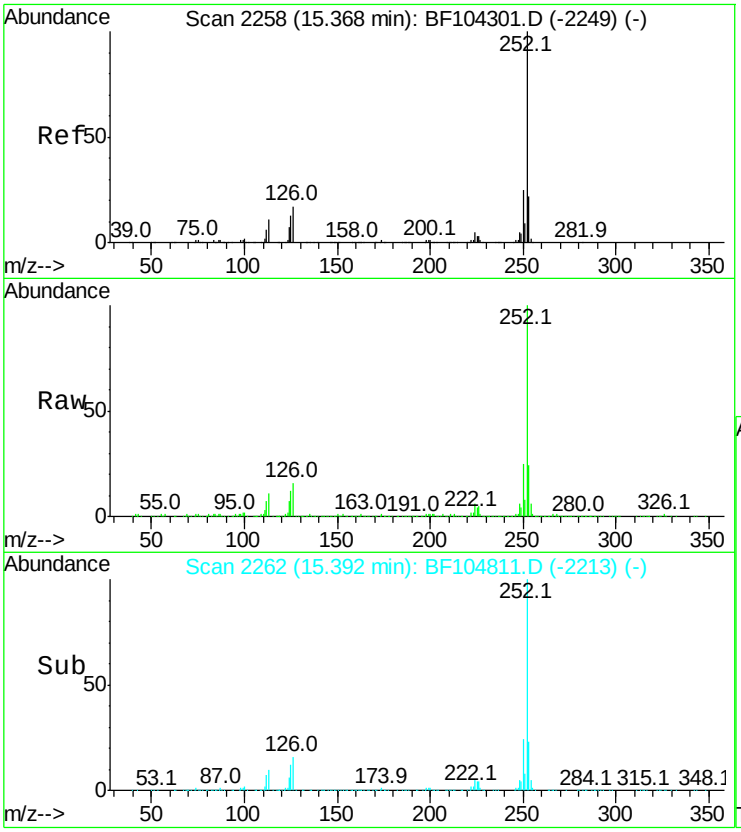


#88
Benzo(k)fluoranthene
Concen: 81.149 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:252 Resp: 783483

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	12.8	10.2	15.2



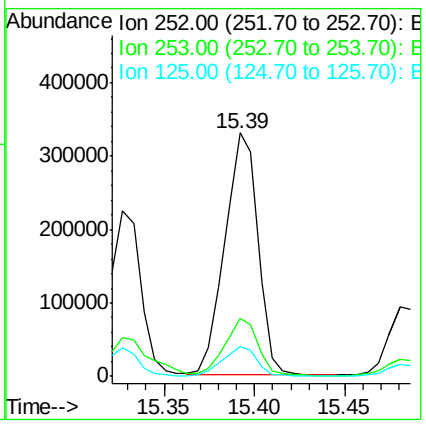


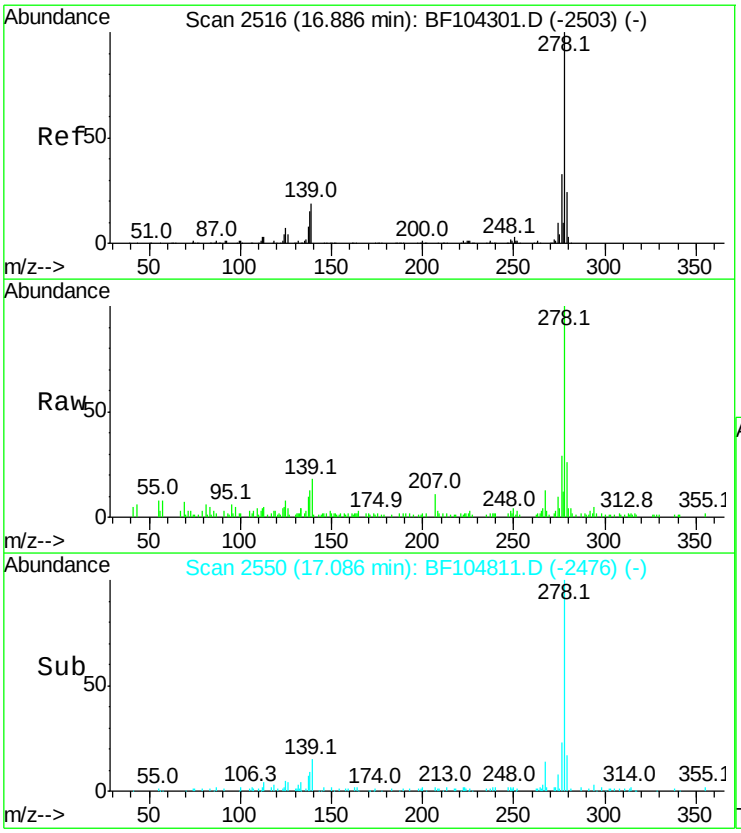
#89
Benzo(a)pyrene
Concen: 45.924 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 420217

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	12.4	9.8	14.6

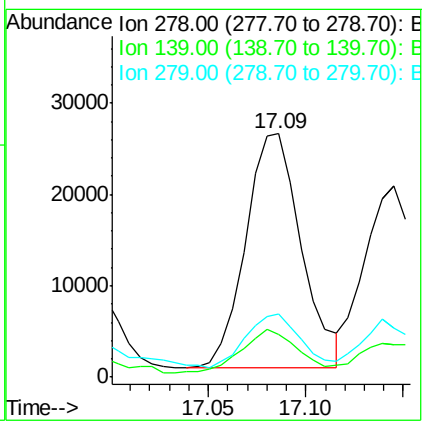


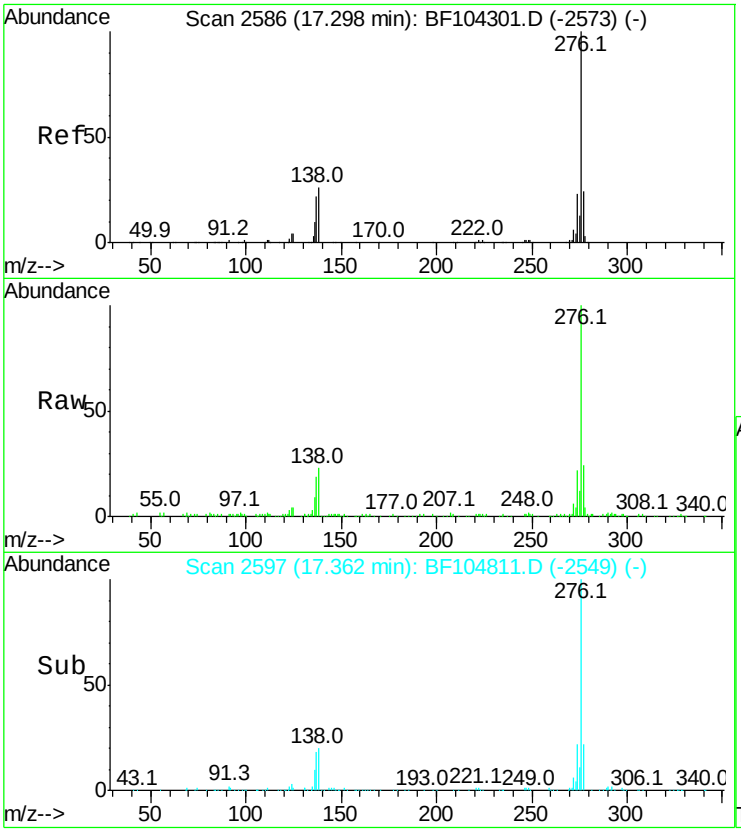


#90
Dibenzo(a,h)anthracene
Concen: 6.756 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.14 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Tgt Ion:278 Resp: 50776

Ion	Ratio	Lower	Upper
278	100		
139	17.7	15.9	23.9
279	25.9	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 27.490 ng
RT: 17.36 min Scan# 2597
Delta R.T. -0.02 min
Lab File: BF104811.D
Acq: 26 Apr 2018 2:32

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 200150

Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	22.9	21.8	32.8