Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\Data\BF040317\
Data File : BF094157.D
Acq On : 4 Apr 2017 9:25
Operator : SJ/MA
Sample : I2510-11
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Apr 04 11:36:11 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 14:38:29 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	177002	20.00	ng		-0.02
21) Naphthalene-d8	7.39	136	659621	20.00	ng		-0.02
38) Acenaphthene-d10	9.53	164	256200	20.00	ng		-0.02
63) Phenanthrene-d10	11.36	188	401529	20.00	ng		-0.01
75) Chrysene-d12	14.62	240	297983	20.00	ng		0.00
86) Perylene-d12	16.25	264	219275	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	4.43	112	1092976	104.30	ng		0.00
7) Phenol-d6	5.50	99	1369695	105.65	ng		-0.01
23) Nitrobenzene-d5	6.54	82	712332	61.63	ng		-0.02
41) 2,4,6-Tribromophenol	10.51	330	192427	95.05	ng		-0.01
44) 2-Fluorobiphenyl	8.72	172	1309450	77.96	ng		-0.02
78) Terphenyl-d14	13.34	244	866775	65.20	ng		-0.01
Target Compounds							Qvalue
9) Benzaldehyde	5.64	77	23893	2.73	ng		84
10) Phenol	5.51	94	33280	2.26	ng		93
19) n-Nitroso-di-n-propylamine	6.54	70	94020	11.28	ng	#	75
31) Naphthalene	7.42	128	255240	8.05	ng		99
33) 4-Chloroaniline	7.42	127	33391	2.60	ng	#	33
37) 2-Methylnaphthalene	8.26	142	107868	5.10	ng		97
49) Dimethylphthalate	9.21	163	155038	8.51	ng		99
51) Acenaphthene	9.57	154	330371	21.06	ng		99
54) Dibenzofuran	9.79	168	326884	15.31	ng		98
55) 4-Nitrophenol	9.79	139	119691	31.18	ng	#	27
57) Fluorene	10.21	166	362808	20.49	ng		100
70) Phenanthrene	11.40	178	2925018	130.95	ng		100
71) Anthracene	11.46	178	829328	36.06	ng		99
72) Carbazole	11.66	167	433927	18.40	ng		98
74) Fluoranthene	12.87	202	2771322	121.17	ng		100
77) Pyrene	13.15	202	2294419	106.10	ng		99
80) Benzo(a)anthracene	14.61	228	1080804	62.20	ng		100
82) Chrysene	14.66	228	1003255	62.22	ng		97
85) Indeno(1,2,3-cd)pyrene	17.60	276	328140	23.50	ng		94
87) Benzo(b)fluoranthene	15.85	252	1195112	88.92	ng		97
88) Benzo(k)fluoranthene	15.85	252	1195112	90.88	ng		98
89) Benzo(a)pyrene	16.20	252	583686	47.16	ng		98
90) Dibenzo(a,h)anthracene	17.62	278	92877	8.86	ng		94
91) Benzo(g,h,i)perylene	18.00	276	287927	27.26	ng		98

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

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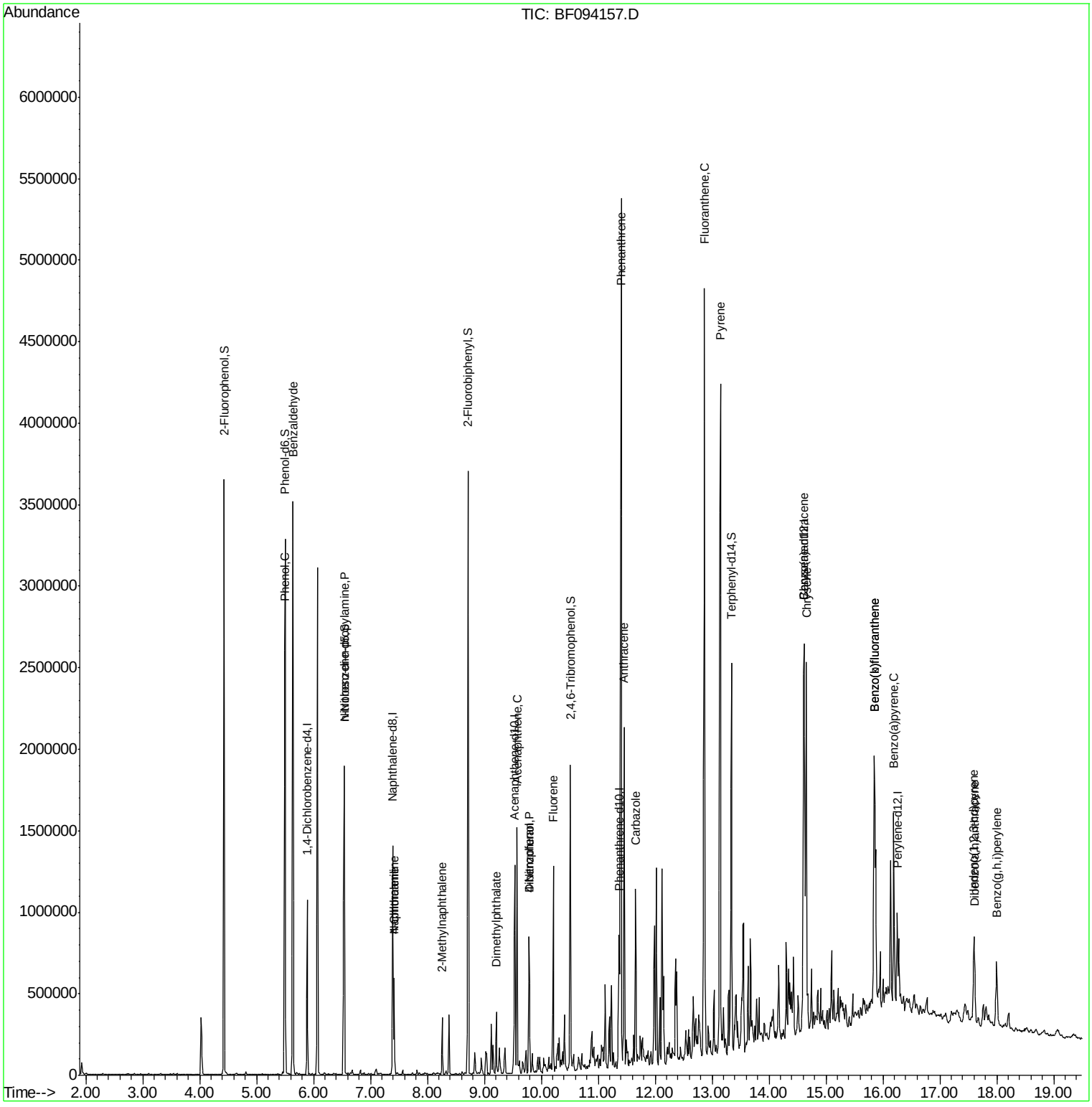
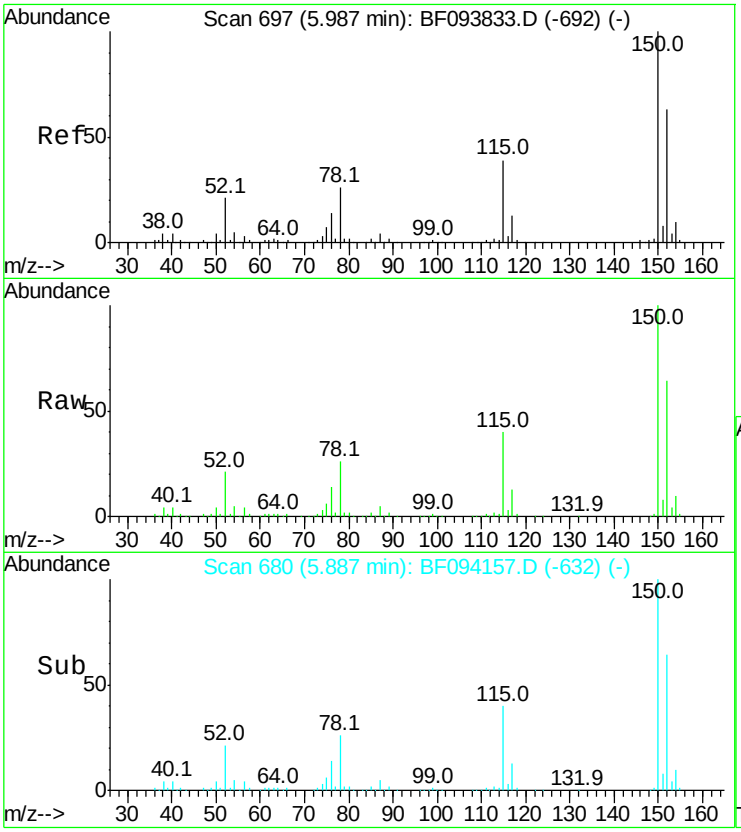


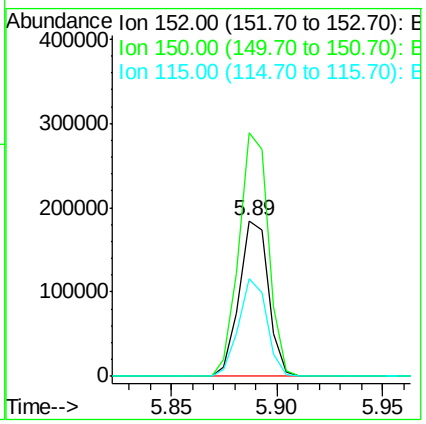


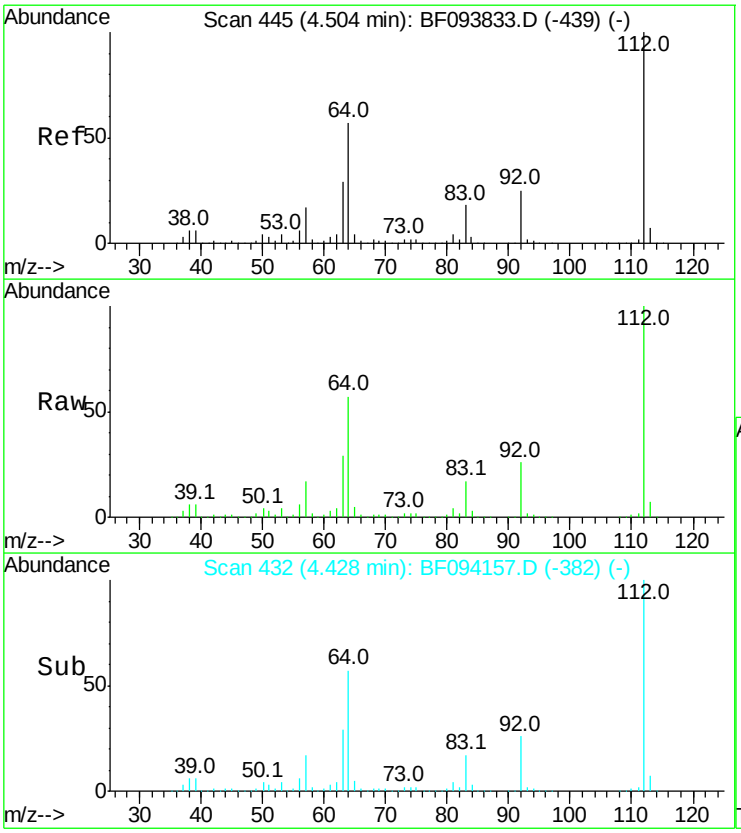
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.89 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 177002

Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.2
115	62.8	52.2	78.2

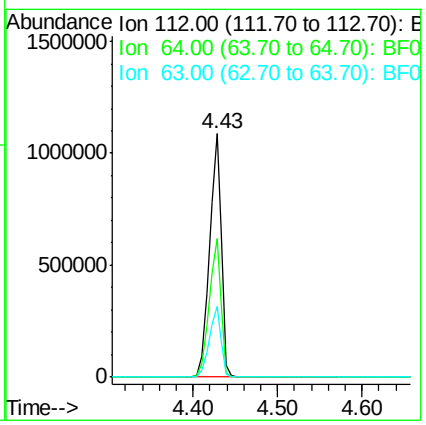


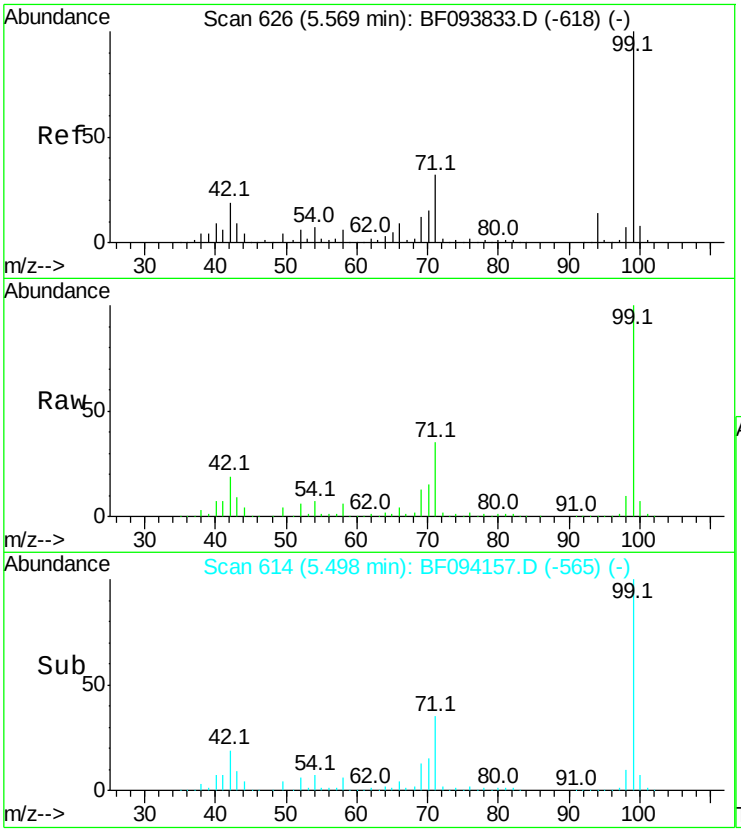


#5
2-Fluorophenol
Concen: 104.30 ng
RT: 4.43 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:112 Resp: 1092976

Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.0	69.0
63	29.0	23.4	35.0



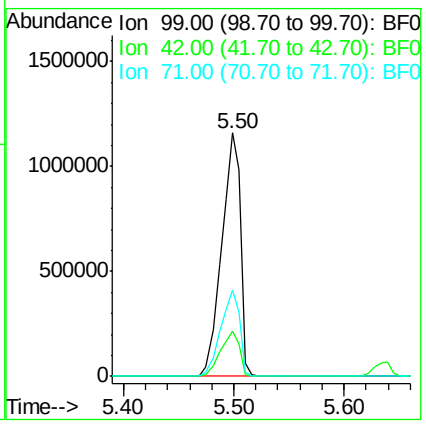


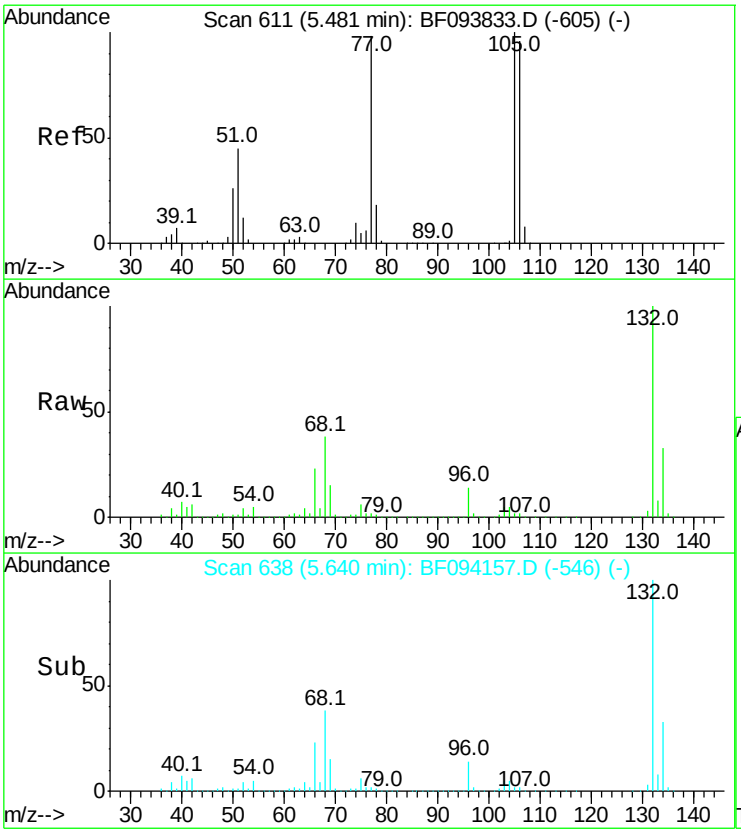
#7
Phenol-d6
Concen: 105.65 ng
RT: 5.50 min Scan# 614
Delta R.T. -0.01 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 1369695

Ion	Ratio	Lower	Upper
99	100		
42	18.6	13.5	20.3
71	35.5	24.5	36.7

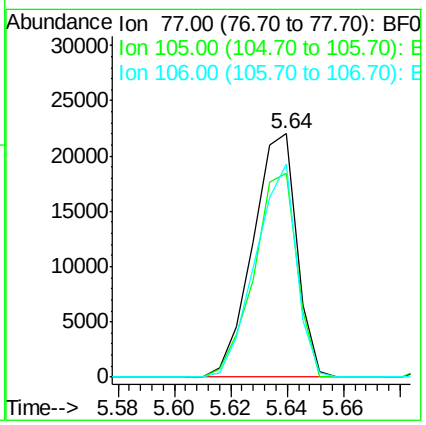


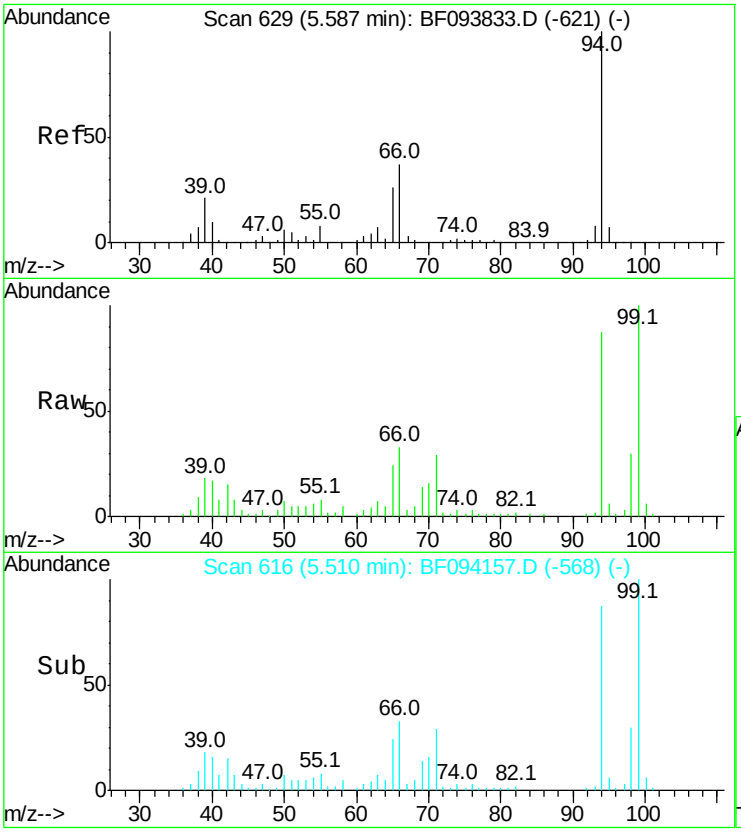


#9
Benzaldehyde
Concen: 2.73 ng
RT: 5.64 min Scan# 638
Delta R.T. 0.24 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion: 77 Resp: 23893

Ion	Ratio	Lower	Upper
77	100		
105	83.8	83.8	123.8
106	87.6	79.1	119.1

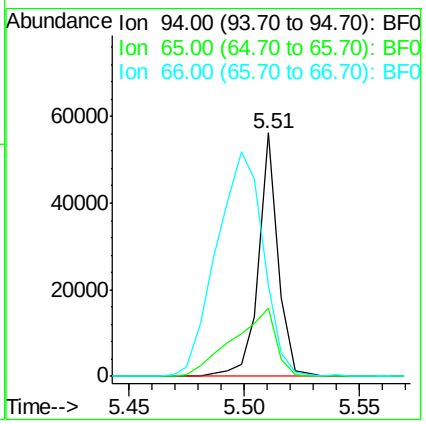




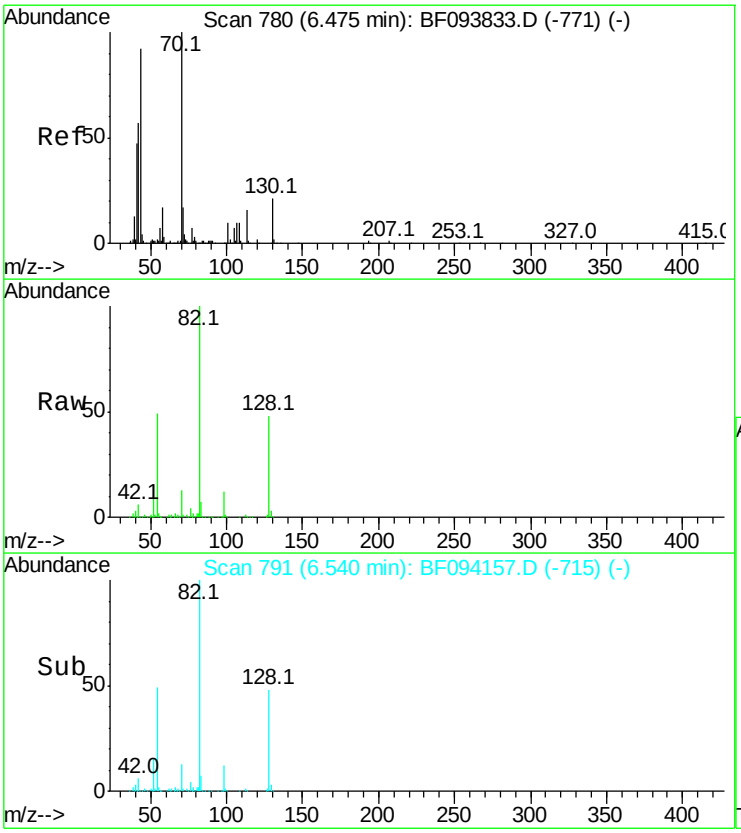
#10
Phenol
Concen: 2.26 ng
RT: 5.51 min Scan# 616
Delta R.T. -0.02 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion: 94 Resp: 33280

Ion	Ratio	Lower	Upper
94	100		
65	27.8	9.9	49.9
66	37.7	23.1	63.1



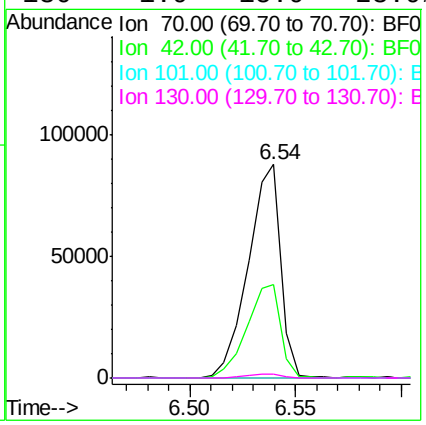
Instrument :
BNA_F
ClientSampleId :

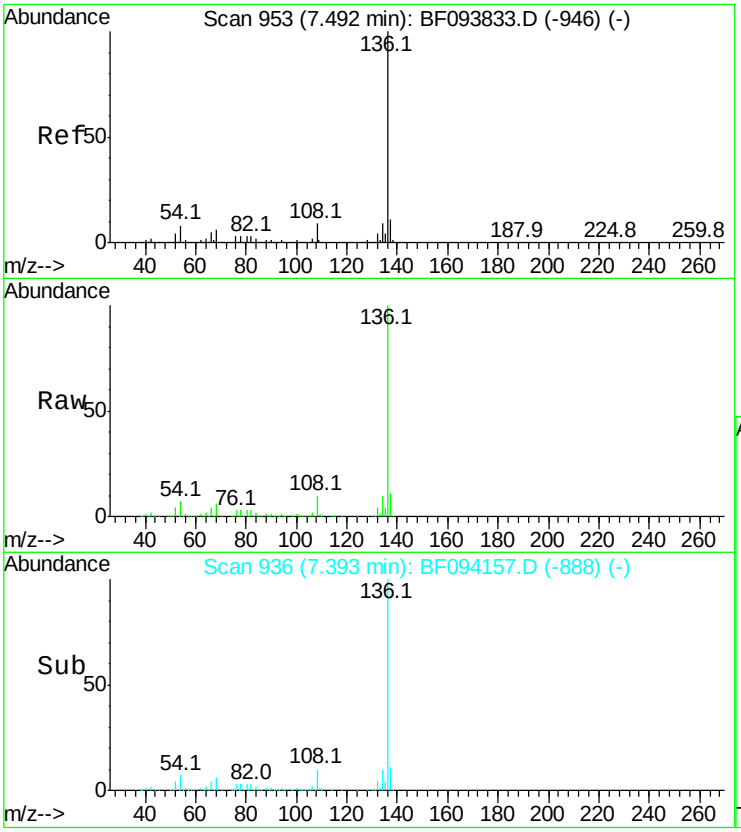


#19
n-Nitroso-di-n-propylamine
Concen: 11.28 ng
RT: 6.54 min Scan# 791
Delta R.T. 0.15 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion: 70 Resp: 94020

Ion	Ratio	Lower	Upper
70	100		
42	44.0	47.2	70.8#
101	0.0	7.2	10.8#
130	1.9	15.9	23.9#

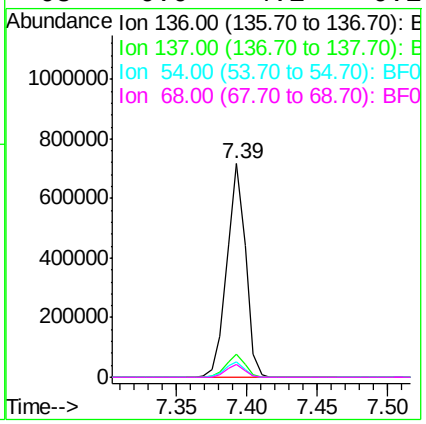




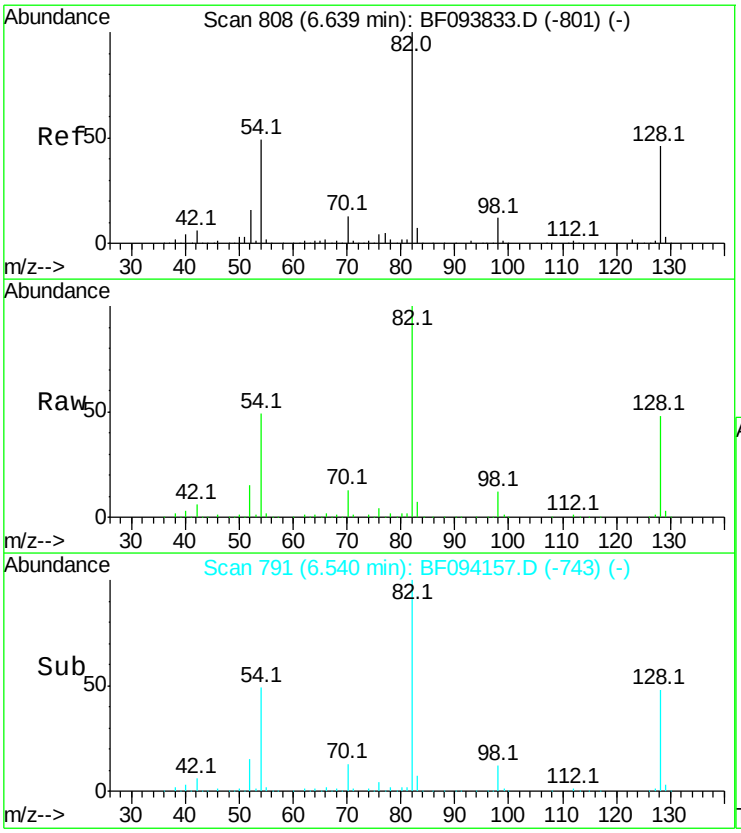
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.39 min Scan# 936
Delta R.T. -0.02 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:136 Resp: 659621

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.5	4.9	7.3#
68	6.0	4.1	6.1



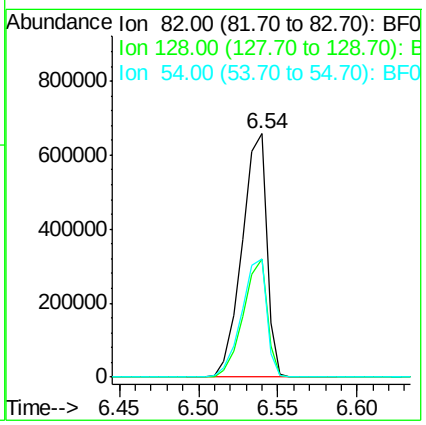
Instrument :
BNA_F
ClientSampleId :

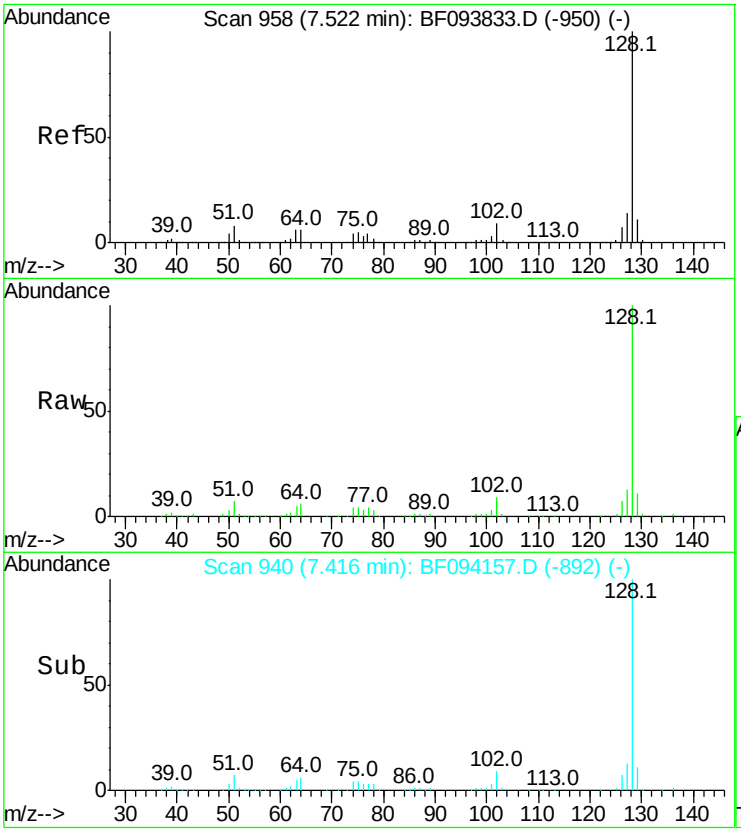


#23
Nitrobenzene-d5
Concen: 61.63 ng
RT: 6.54 min Scan# 791
Delta R.T. -0.02 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion: 82 Resp: 712332

Ion	Ratio	Lower	Upper
82	100		
128	48.5	34.0	51.0
54	48.7	42.2	63.2



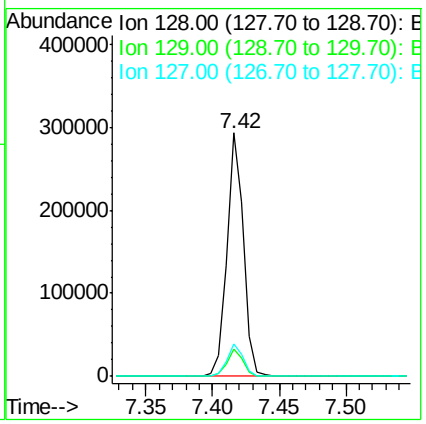


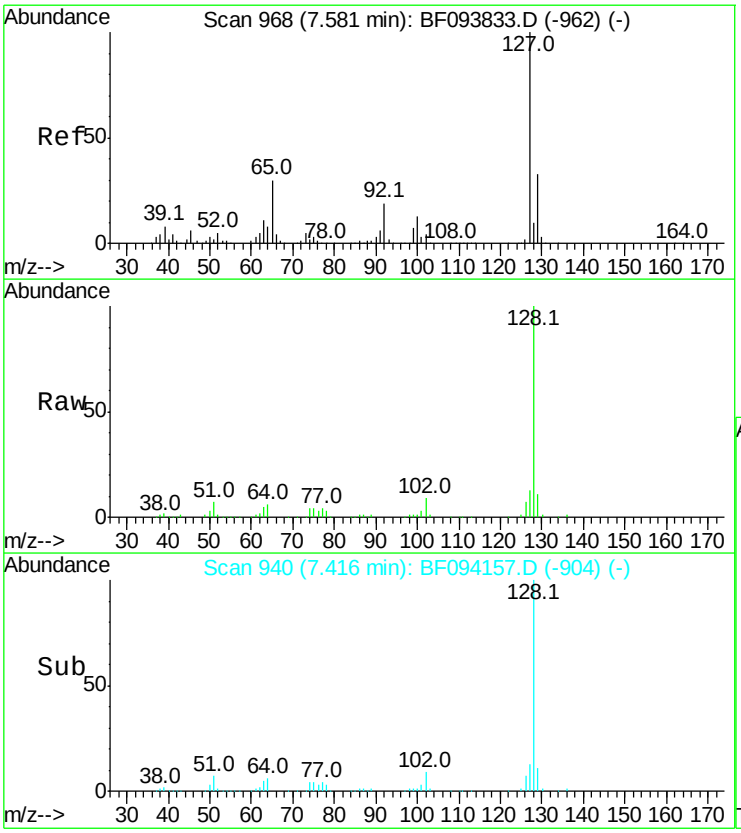
#31
Naphthalene
Concen: 8.05 ng
RT: 7.42 min Scan# 940
Delta R.T. -0.02 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 255240

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.4	10.8	16.2

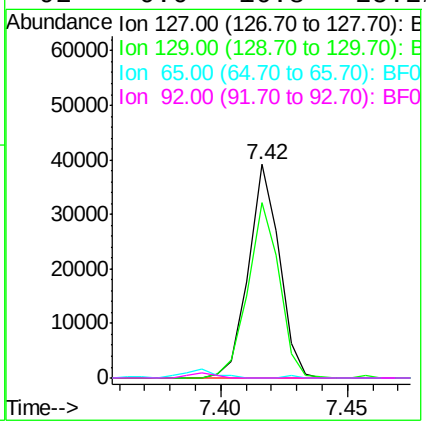


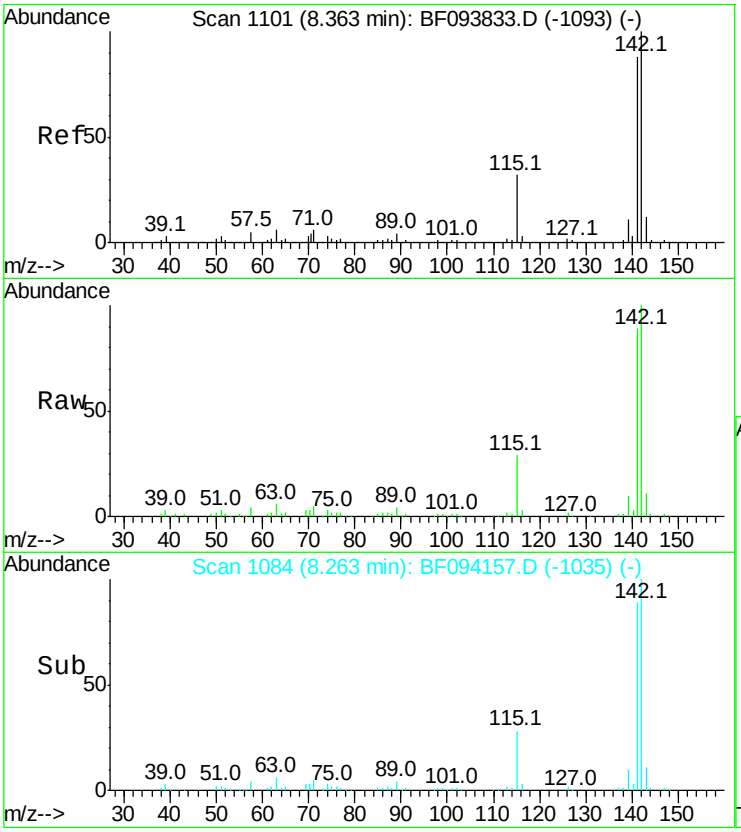


#33
4-Chloroaniline
Concen: 2.60 ng
RT: 7.42 min Scan# 940
Delta R.T. -0.09 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:127 Resp: 33391

Ion	Ratio	Lower	Upper
127	100		
129	82.2	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



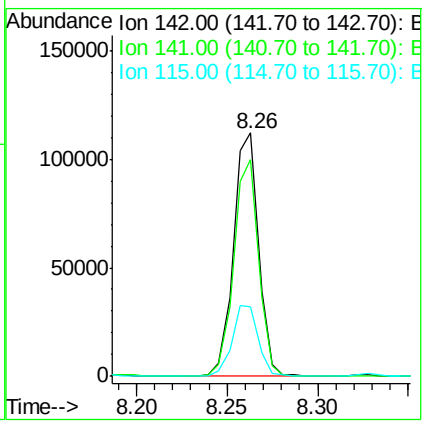


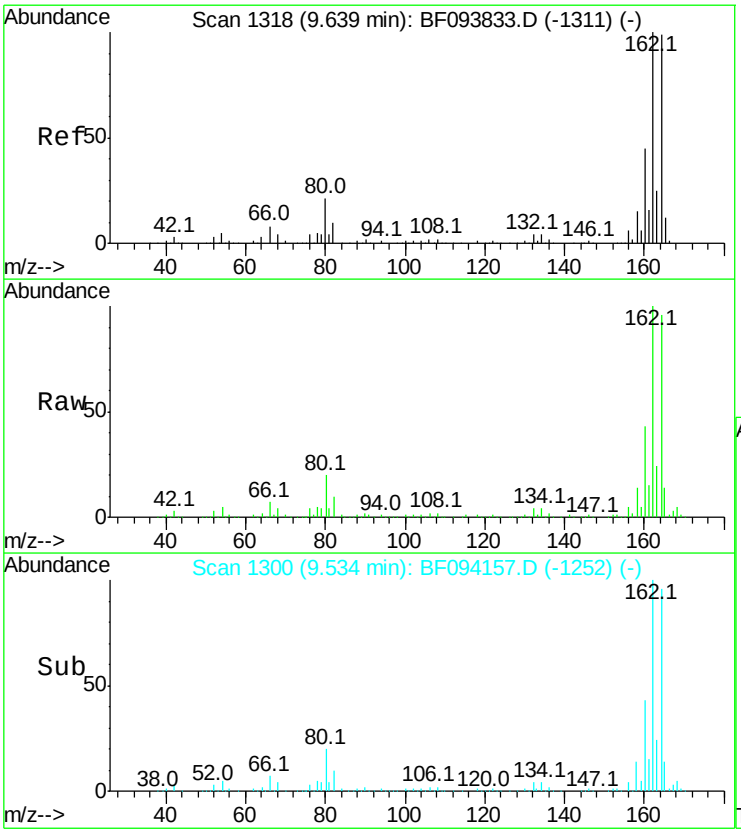
#37
2-Methylnaphthalene
Concen: 5.10 ng
RT: 8.26 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 107868

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.3	106.9
115	28.7	27.1	40.7

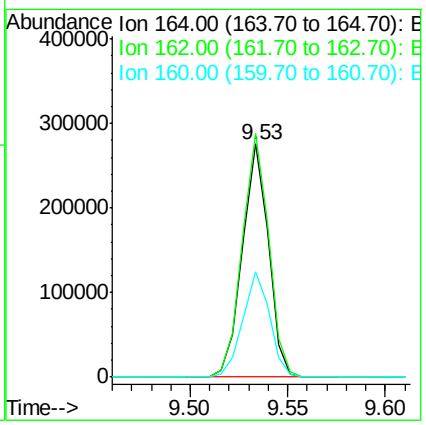


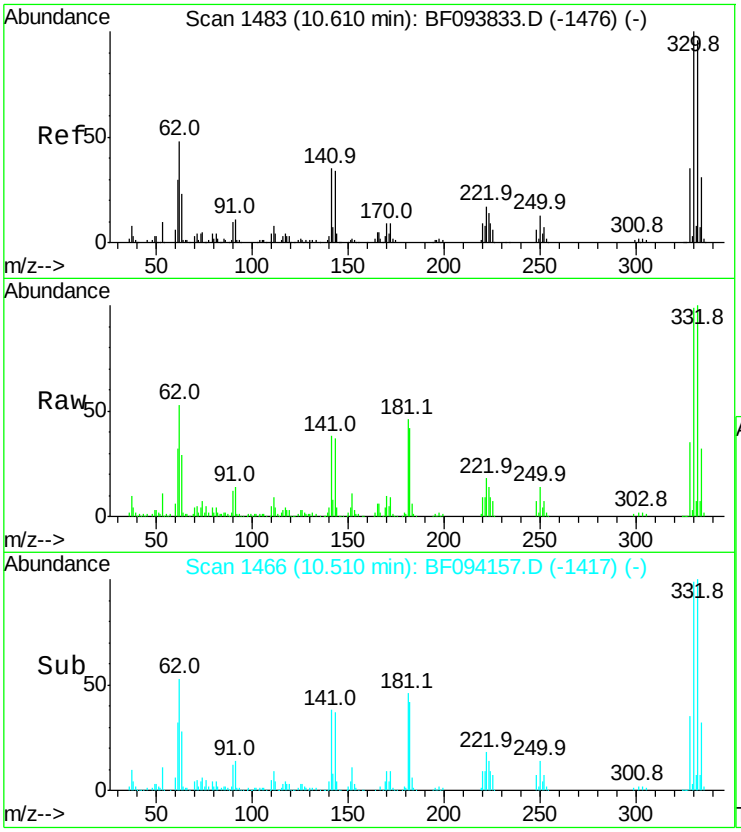


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.53 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:164 Resp: 256200

Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	45.4	36.2	54.2



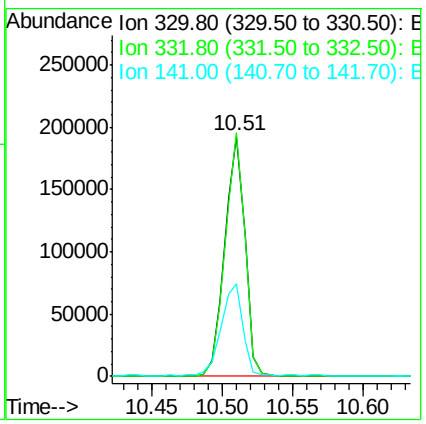


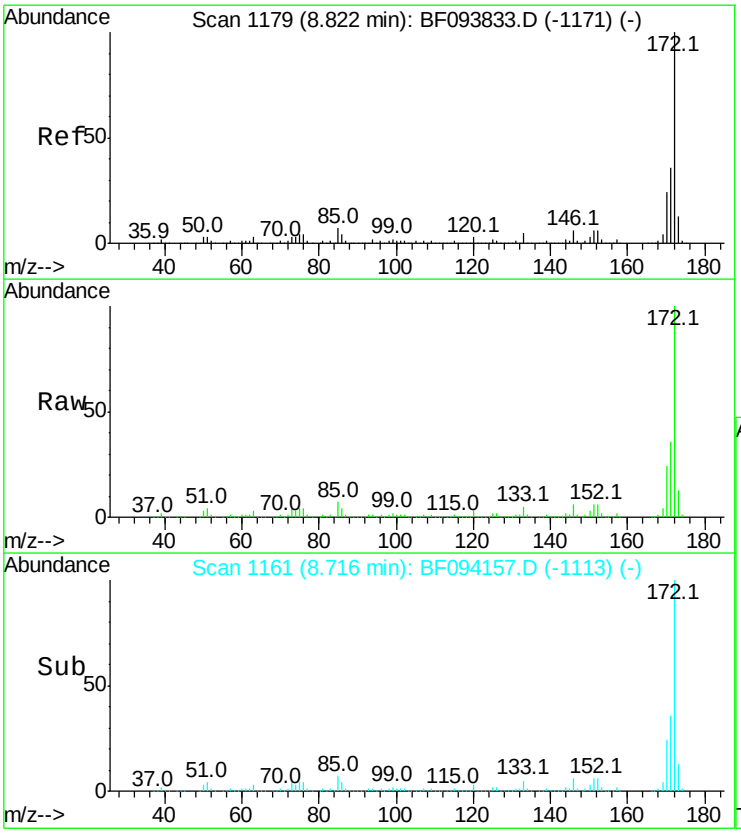
#41
2,4,6-Tribromophenol
Concen: 95.05 ng
RT: 10.51 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 192427

Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.6	115.0
141	41.1	31.4	47.2

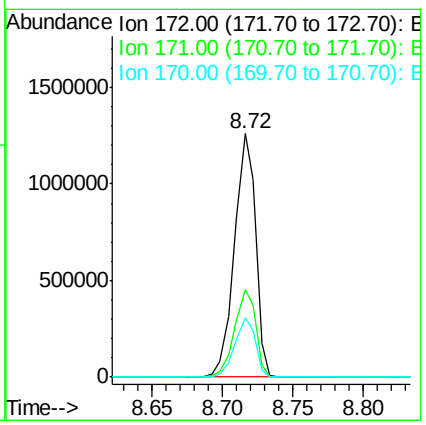


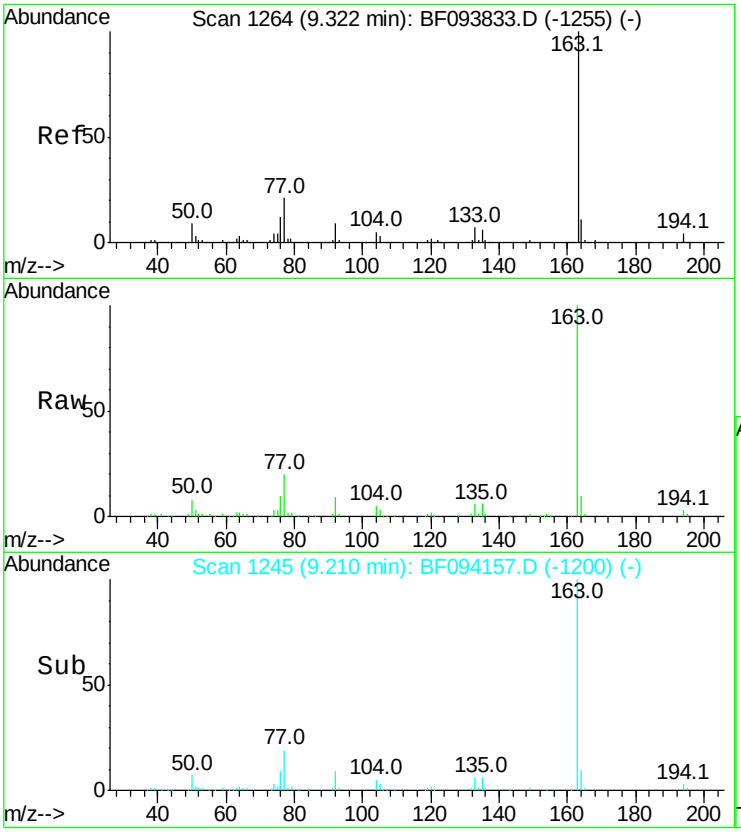


#44
2-Fluorobiphenyl
Concen: 77.96 ng
RT: 8.72 min Scan# 1161
Delta R.T. -0.02 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:172 Resp: 1309450

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.4	19.8	29.8

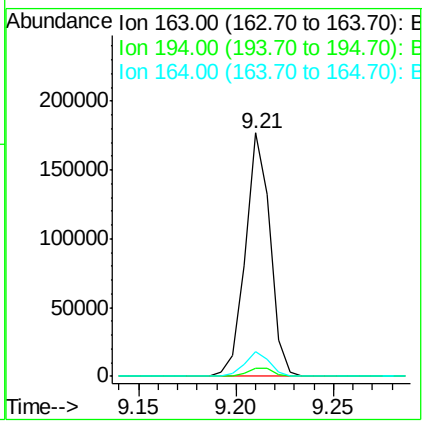




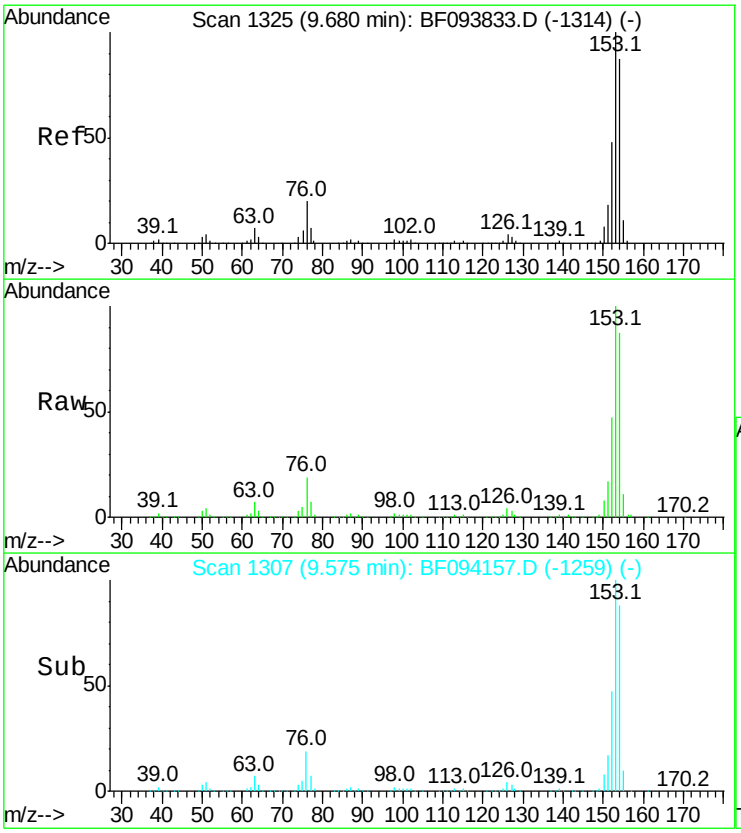
#49
Dimethylphthalate
Concen: 8.51 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.04 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:163 Resp: 155038

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.1	8.4	12.6



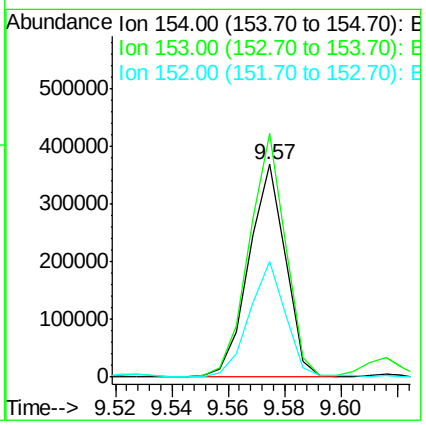
Instrument :
BNA_F
ClientSampleId :

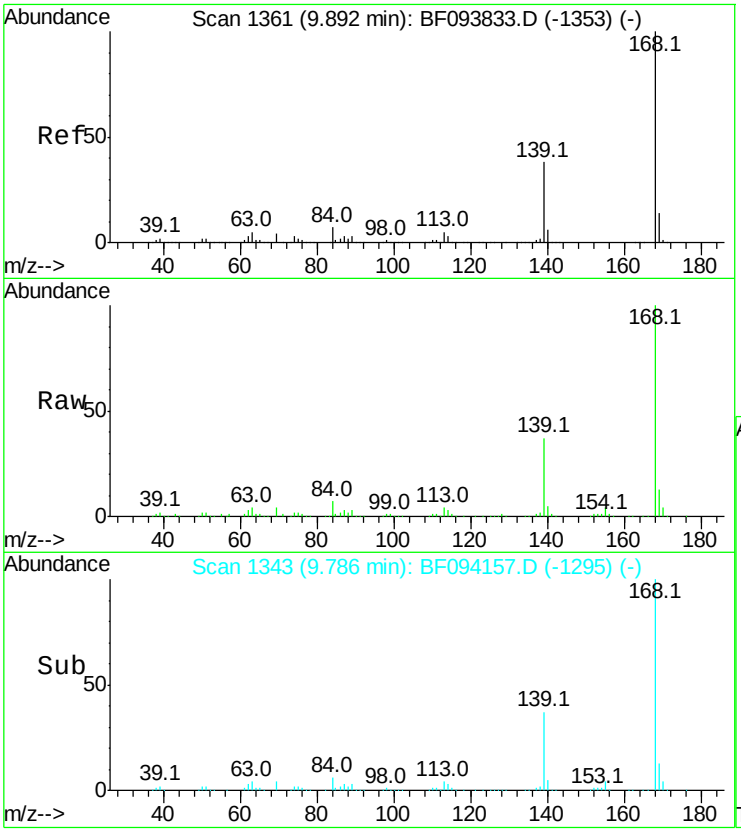


#51
Acenaphthene
Concen: 21.06 ng
RT: 9.57 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:154 Resp: 330371

Ion	Ratio	Lower	Upper
154	100		
153	114.5	90.5	135.7
152	54.1	43.6	65.4



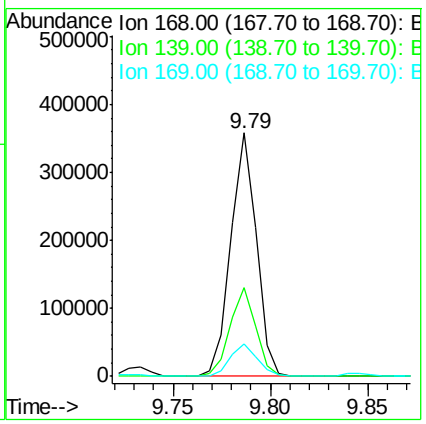


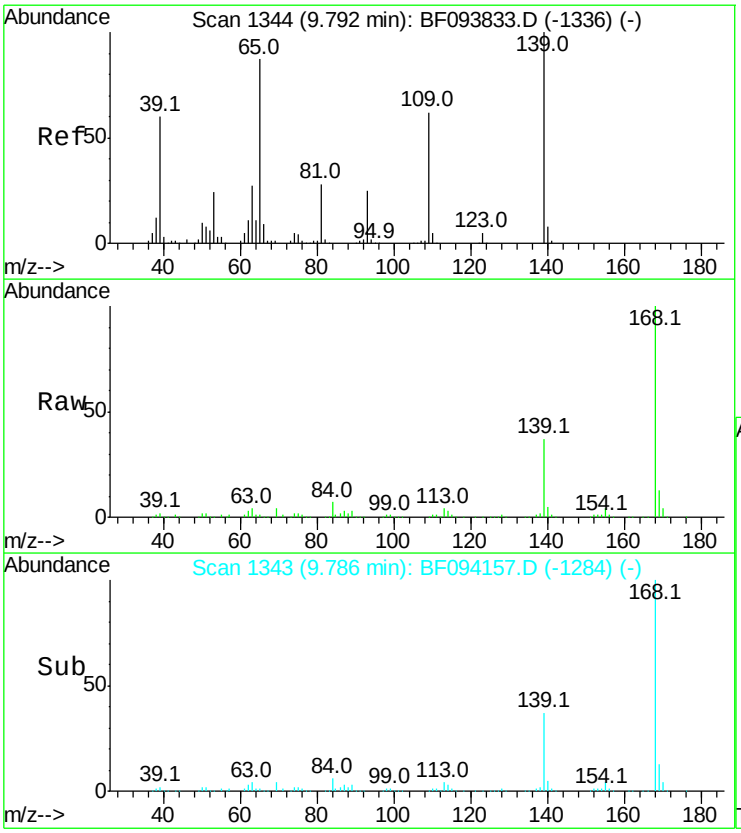
#54
Dibenzofuran
Concen: 15.31 ng
RT: 9.79 min Scan# 1343
Delta R.T. -0.02 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 326884

Ion	Ratio	Lower	Upper
168	100		
139	36.6	30.6	45.8
169	13.3	10.8	16.2

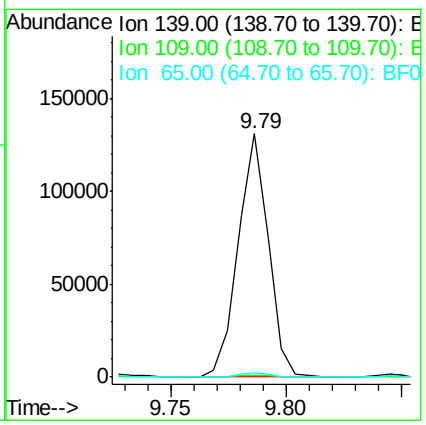


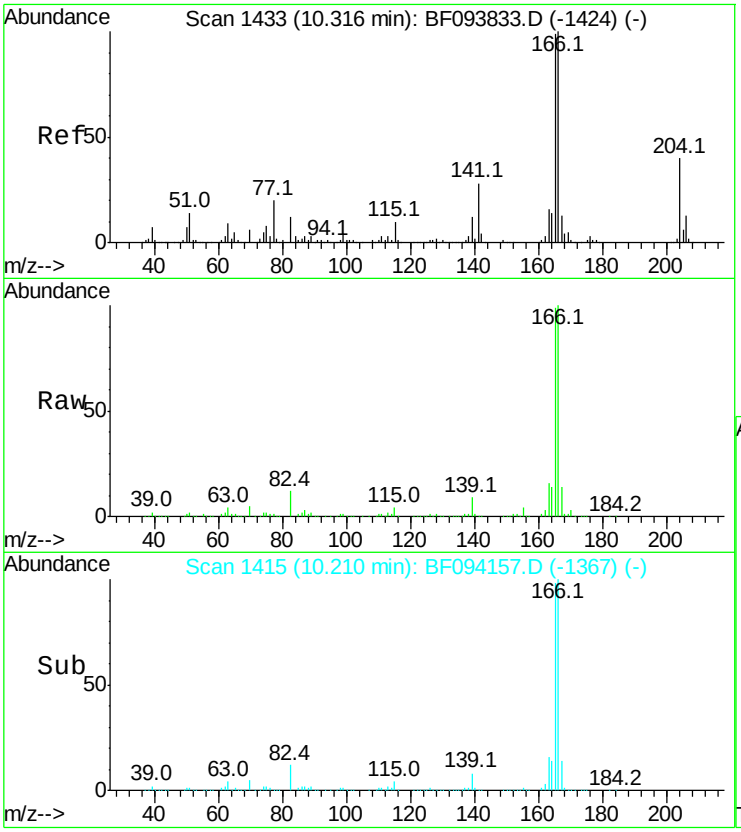


#55
4-Nitrophenol
Concen: 31.18 ng
RT: 9.79 min Scan# 1343
Delta R.T. 0.05 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:139 Resp: 119691

Ion	Ratio	Lower	Upper
139	100		
109	0.8	34.1	74.1#
65	1.7	31.4	71.4#



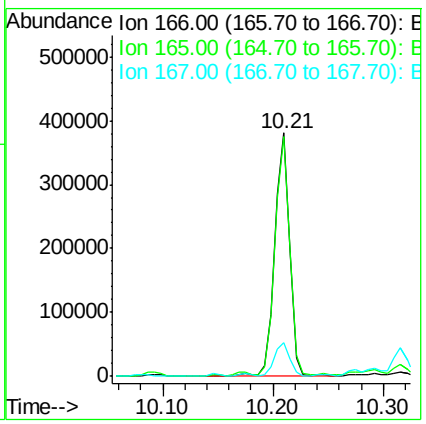


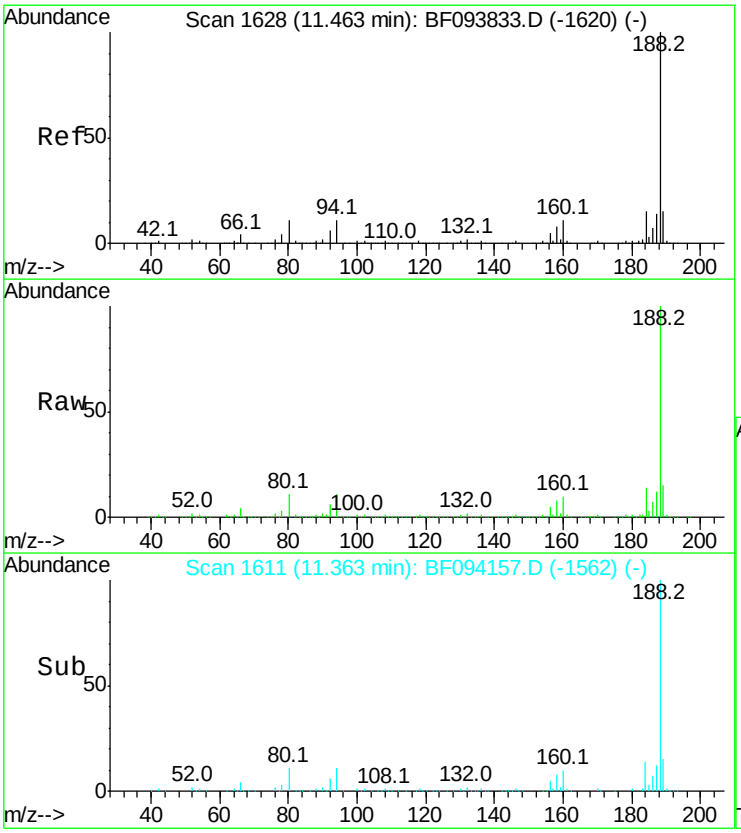
#57
Fluorene
Concen: 20.49 ng
RT: 10.21 min Scan# 1415
Delta R.T. -0.02 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 362808

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.8	118.2
167	14.1	10.6	16.0

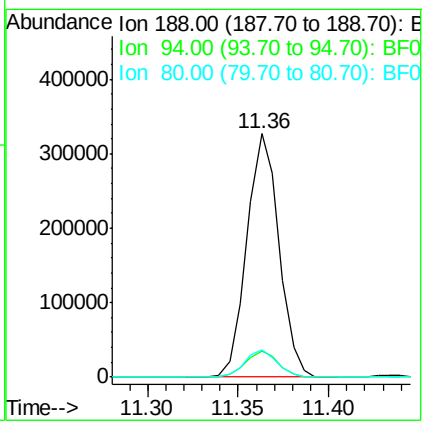


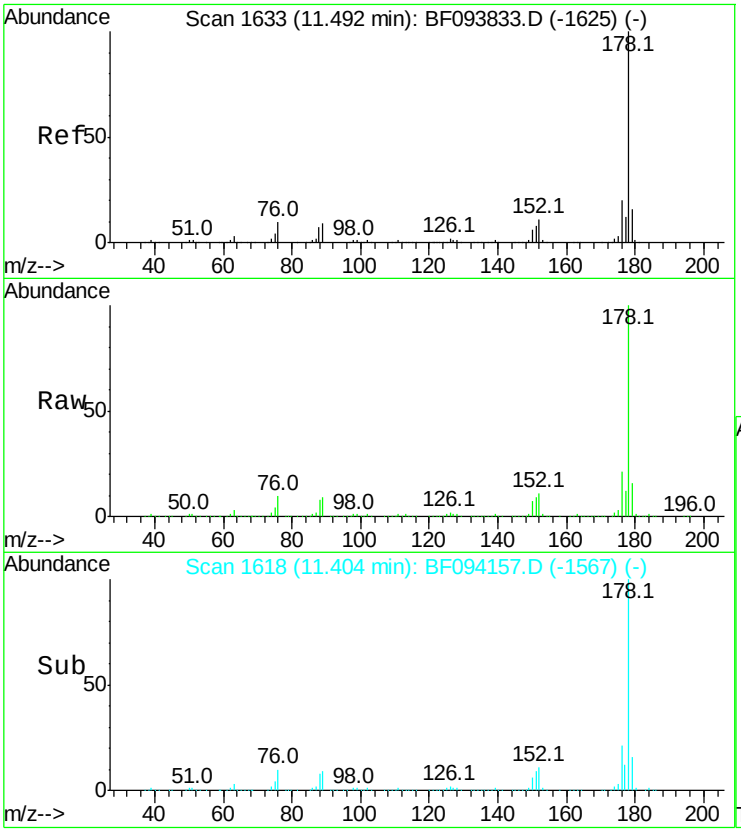


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:188 Resp: 401529

Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	11.2	10.2	15.2



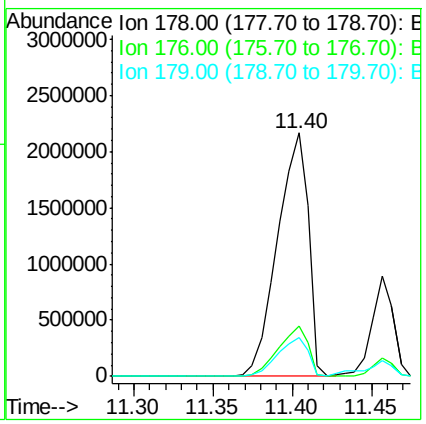


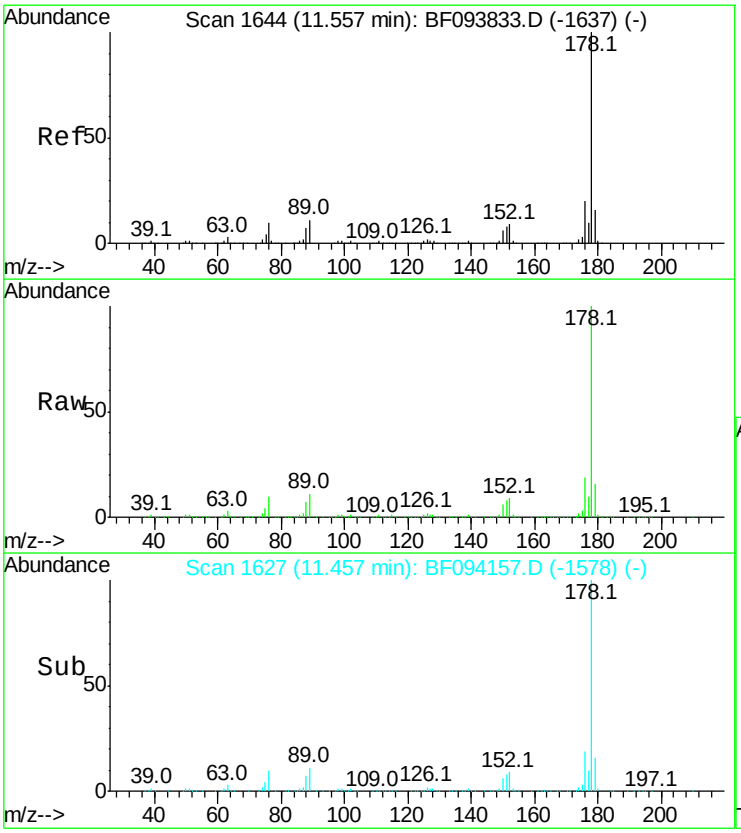
#70
Phenanthrene
Concen: 130.95 ng
RT: 11.40 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 2925018

Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.2	24.4
179	16.0	12.6	19.0

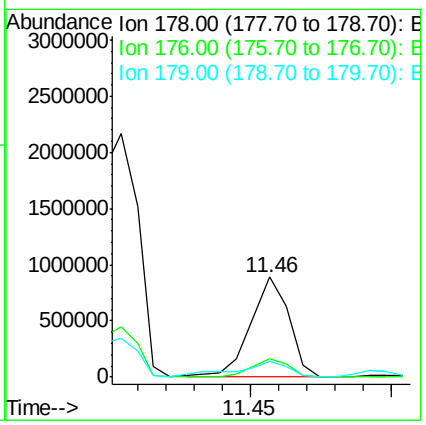


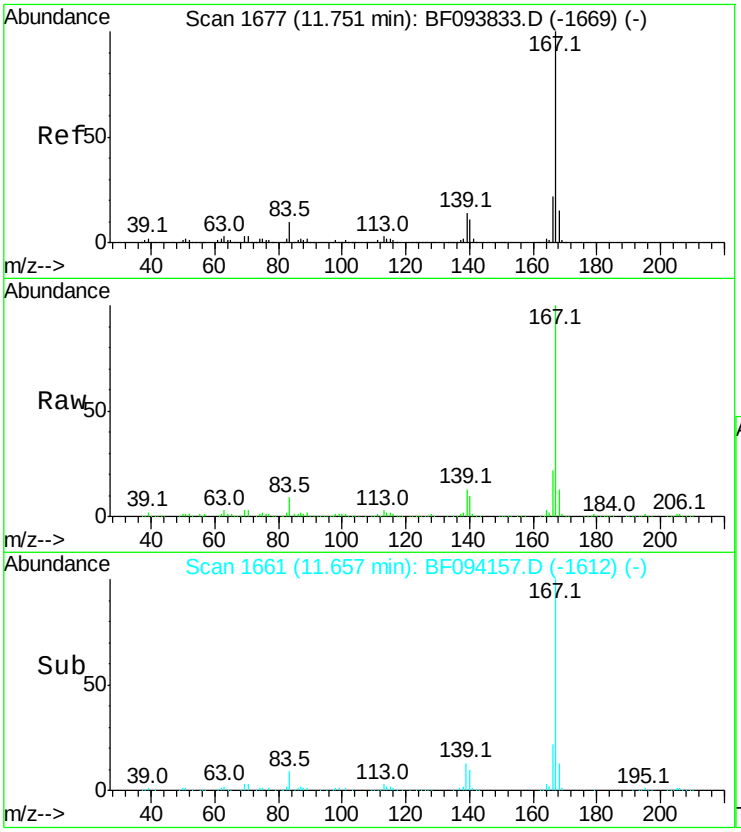


#71
Anthracene
Concen: 36.06 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:178 Resp: 829328

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.9	12.7	19.1



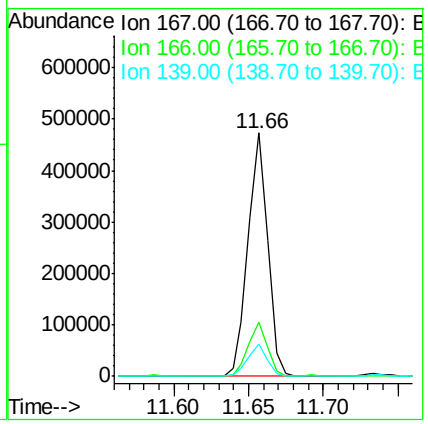


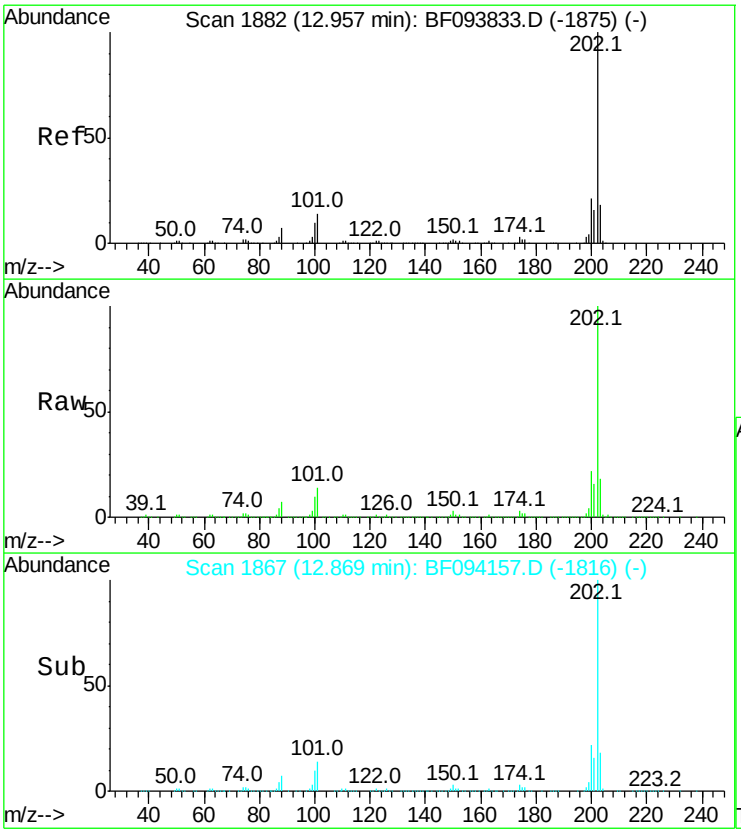
#72
Carbazole
Concen: 18.40 ng
RT: 11.66 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 433927

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.1	27.1
139	13.4	11.7	17.5

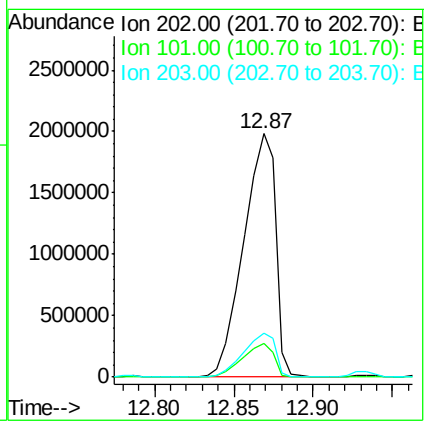


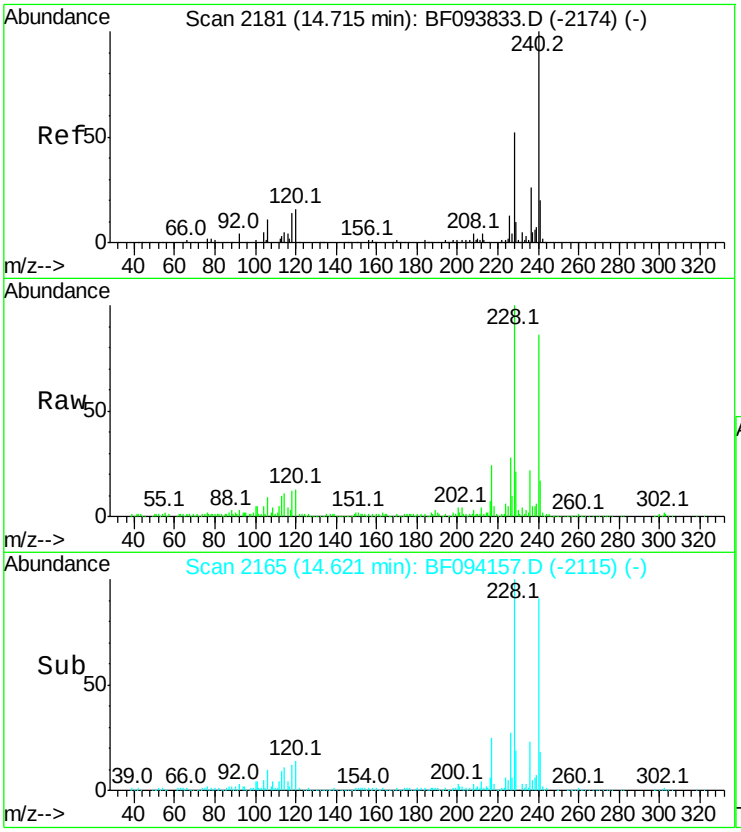


#74
Fluoranthene
Concen: 121.17 ng
RT: 12.87 min Scan# 1867
Delta R.T. 0.00 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:202 Resp: 2771322

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	33.2
203	18.1	0.0	38.1



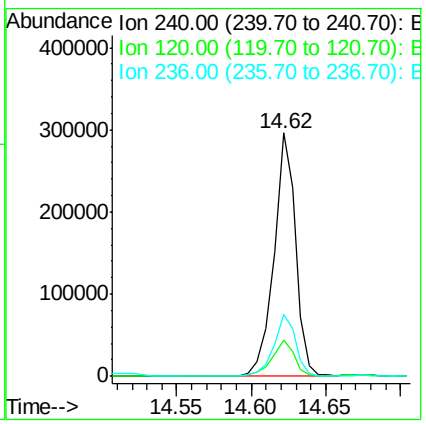


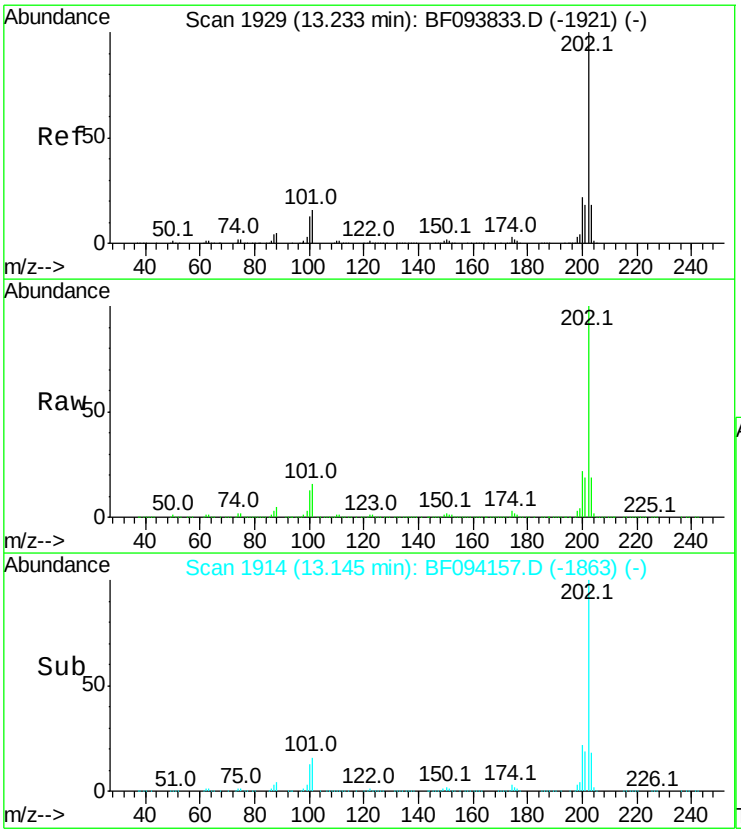
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.62 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 297983

Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	25.5	20.5	30.7

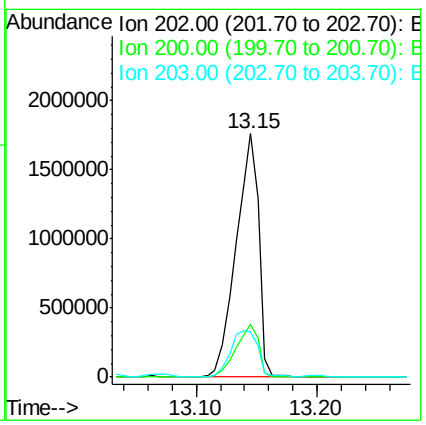


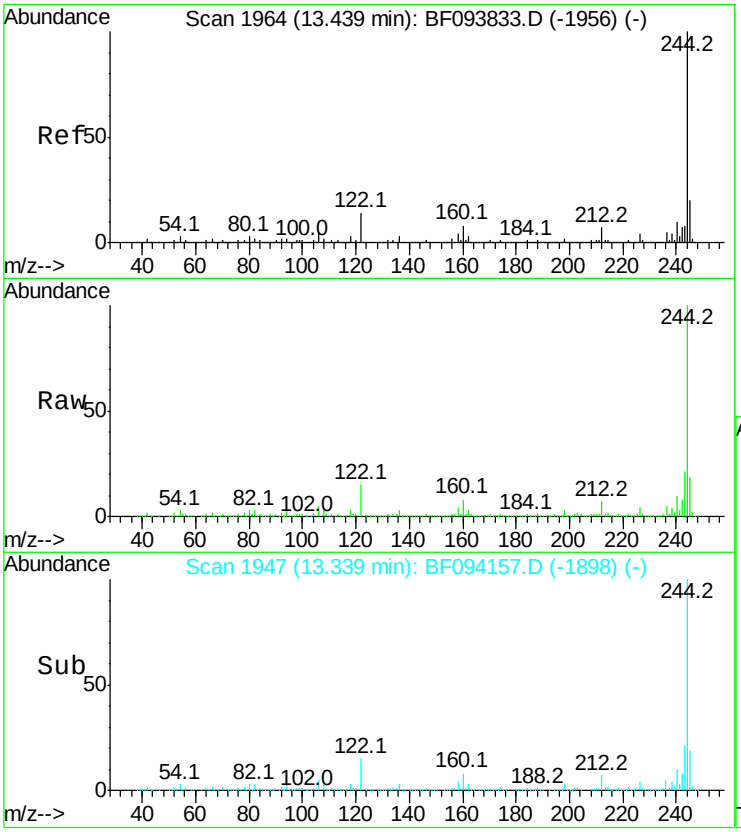


#77
Pyrene
Concen: 106.10 ng
RT: 13.15 min Scan# 1914
Delta R.T. 0.00 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:202 Resp: 2294419

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	18.6	14.4	21.6



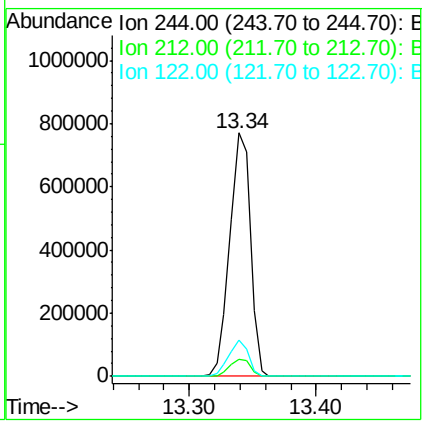


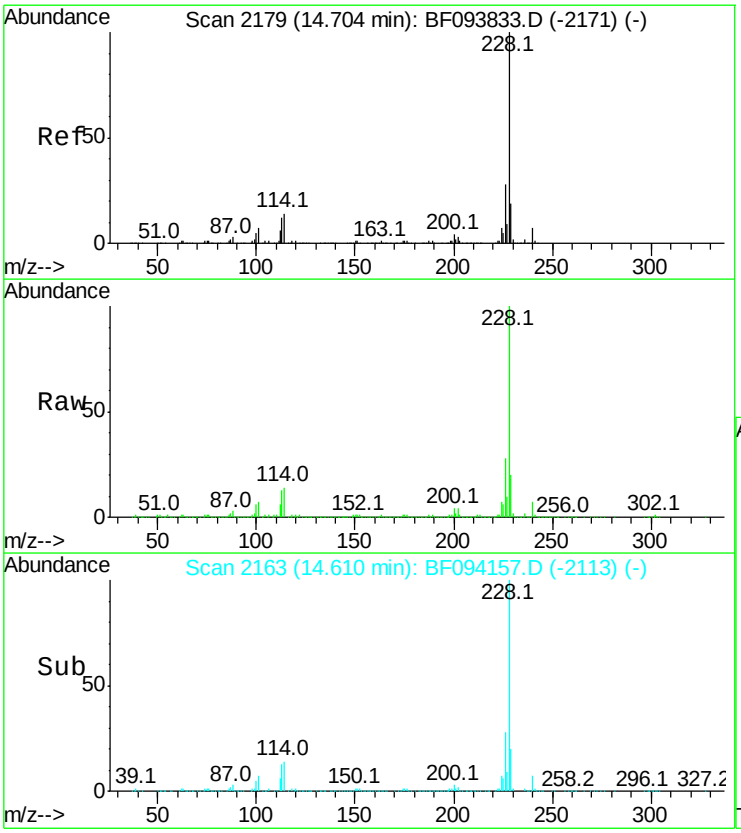
#78
Terphenyl-d14
Concen: 65.20 ng
RT: 13.34 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 866775

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.8	10.3	15.5

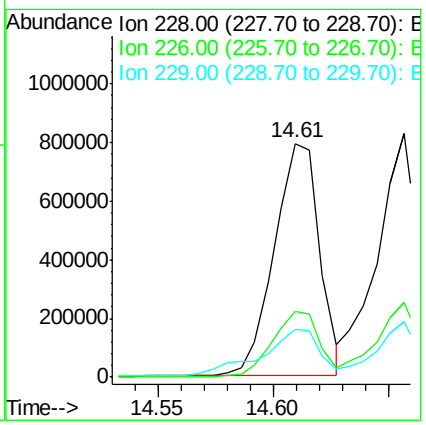


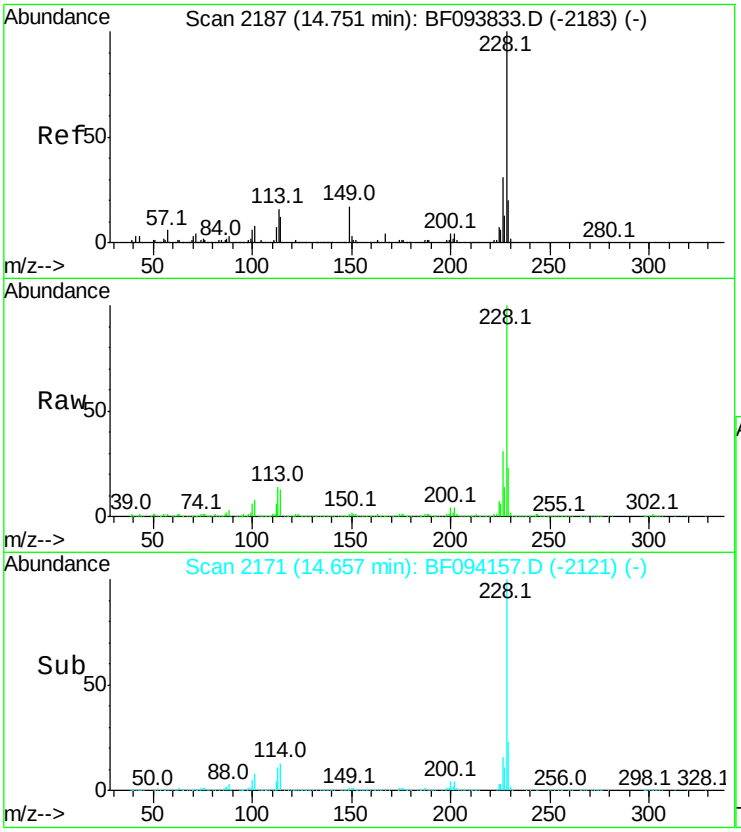


#80
Benzo(a)anthracene
Concen: 62.20 ng
RT: 14.61 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:228 Resp: 1080804

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.5	16.3	24.5



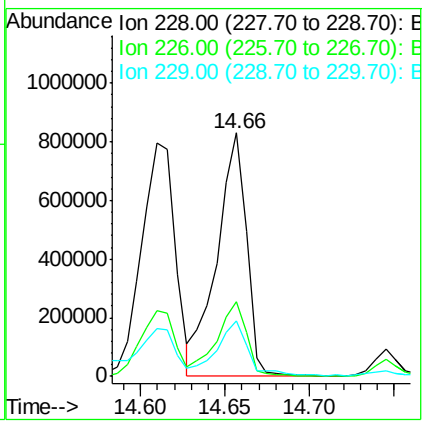


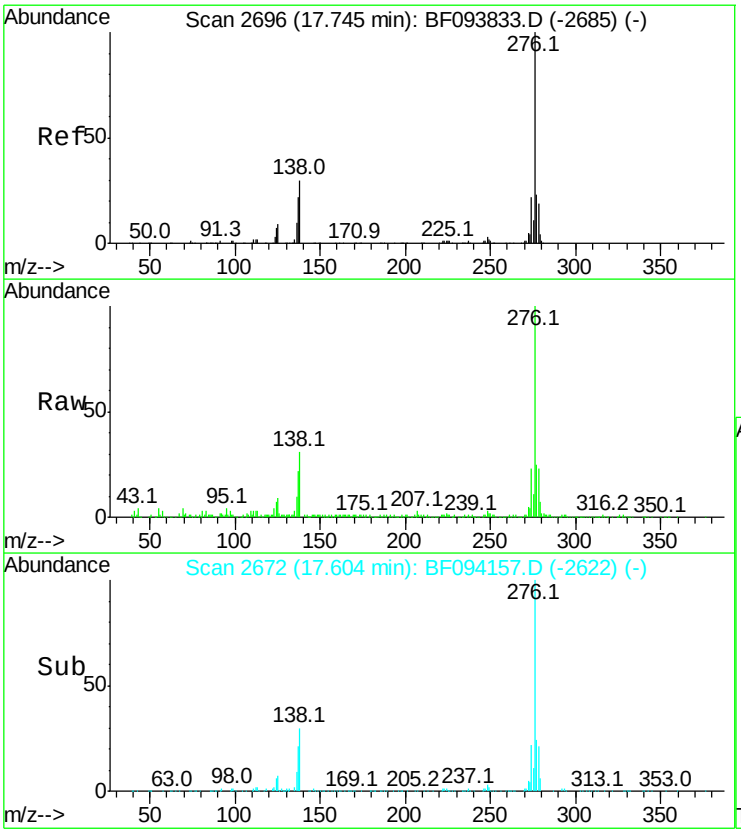
#82
Chrysene
Concen: 62.22 ng
RT: 14.66 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 1003255

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	22.8	15.8	23.6

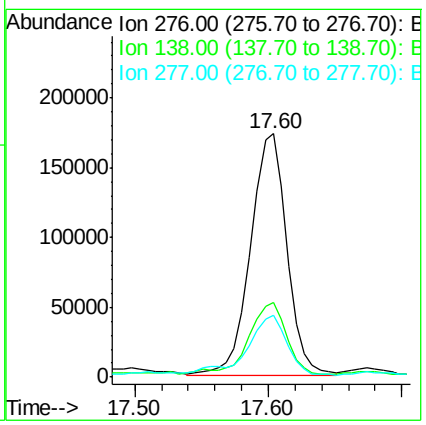


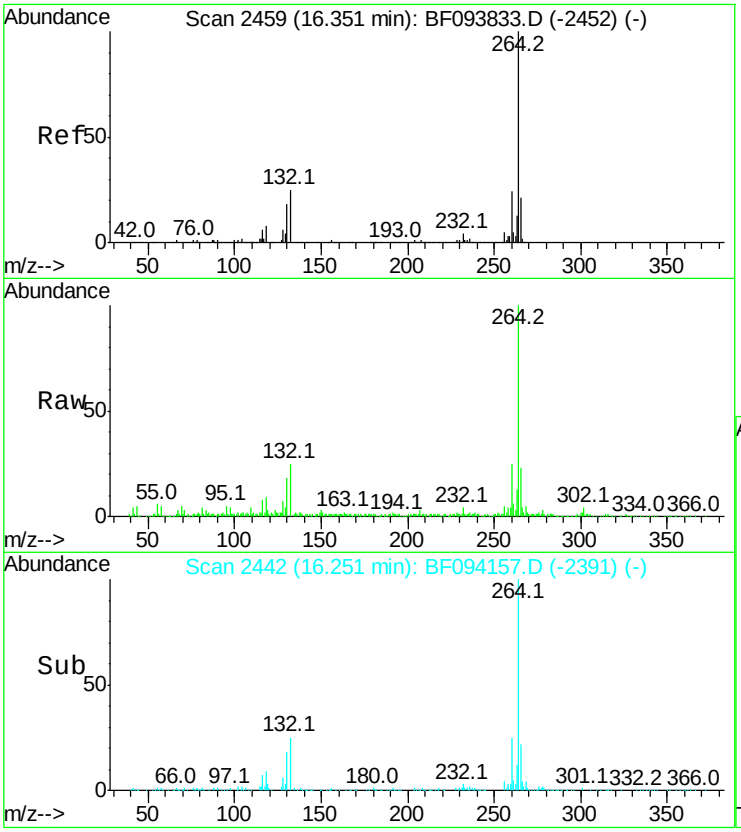


#85
Indeno(1,2,3-cd)pyrene
Concen: 23.50 ng
RT: 17.60 min Scan# 2672
Delta R.T. -0.01 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:276 Resp: 328140

Ion	Ratio	Lower	Upper
276	100		
138	31.1	27.8	41.6
277	27.6	20.2	30.4



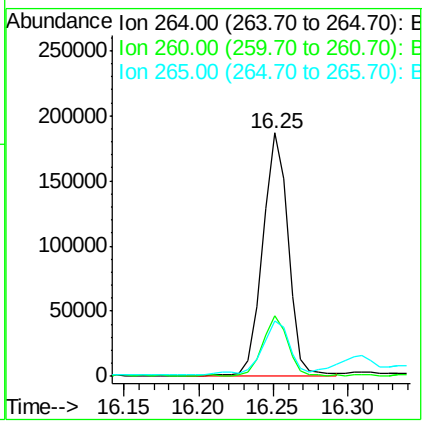


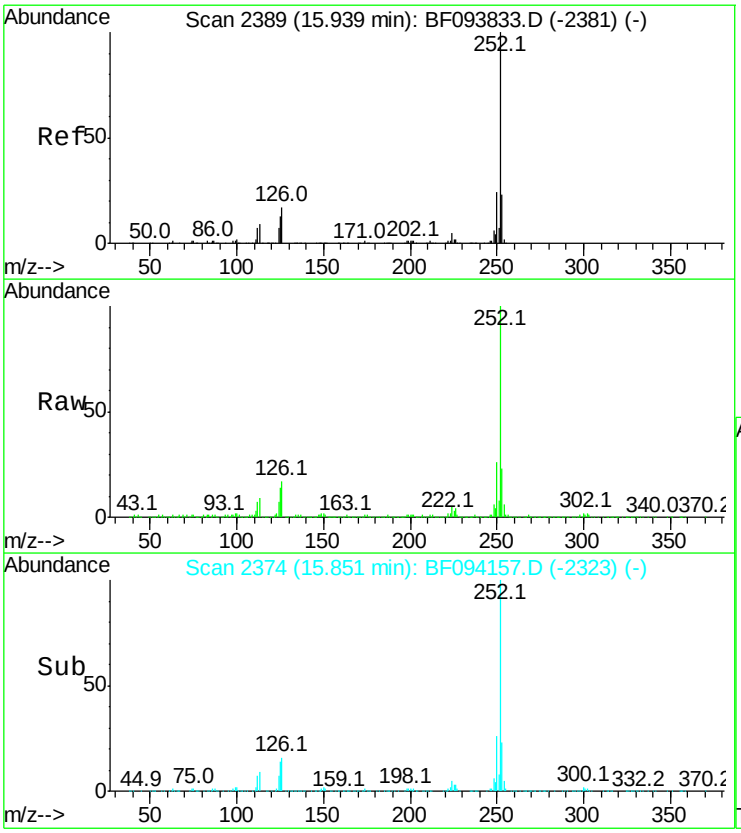
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. 0.00 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 219275

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.7	17.2	25.8

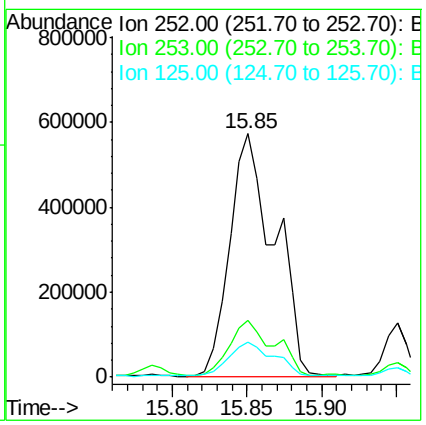


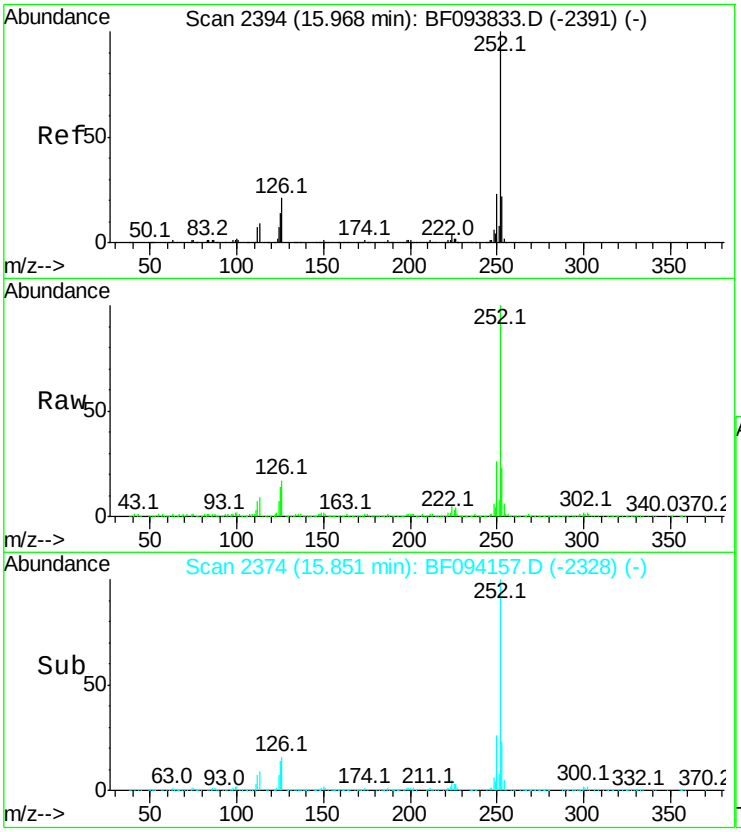


#87
Benzo(b)fluoranthene
Concen: 88.92 ng
RT: 15.85 min Scan# 2374
Delta R.T. 0.00 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:252 Resp: 1195112

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	14.5	9.8	14.8



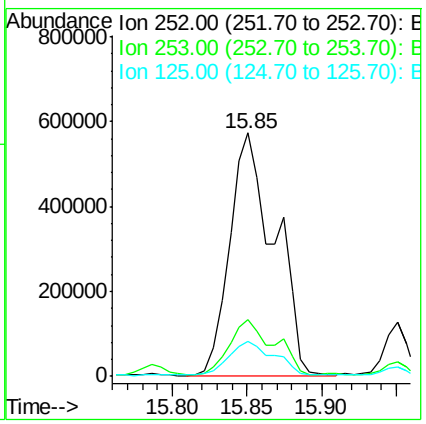


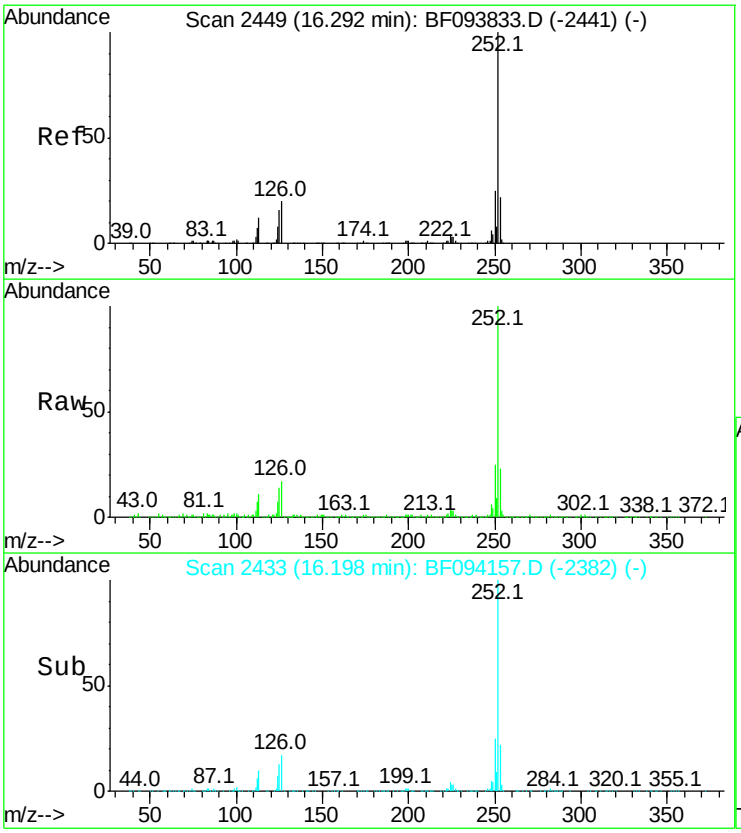
#88
Benzo(k)fluoranthene
Concen: 90.88 ng
RT: 15.85 min Scan# 2374
Delta R.T. -0.03 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1195112

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	14.5	13.1	19.7

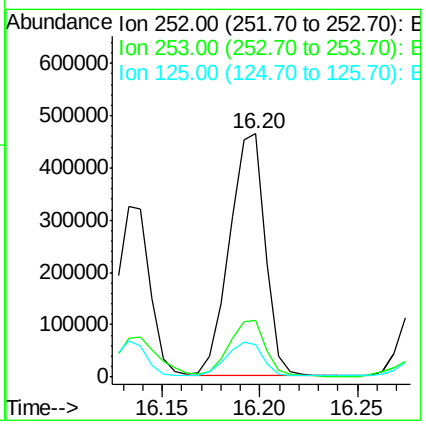


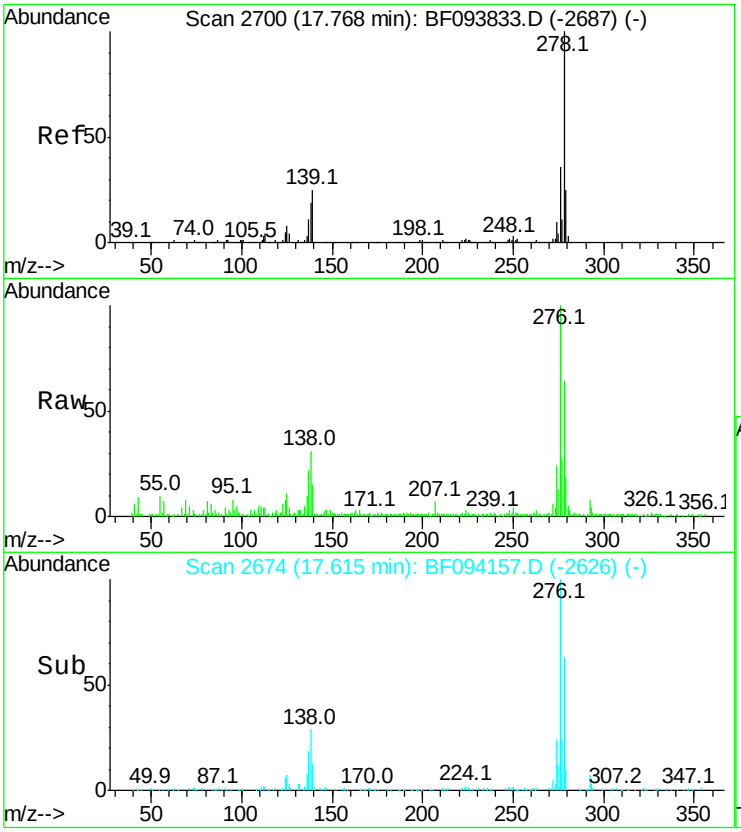


#89
Benzo(a)pyrene
Concen: 47.16 ng
RT: 16.20 min Scan# 2433
Delta R.T. 0.00 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:252 Resp: 583686

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	13.5	11.0	16.4



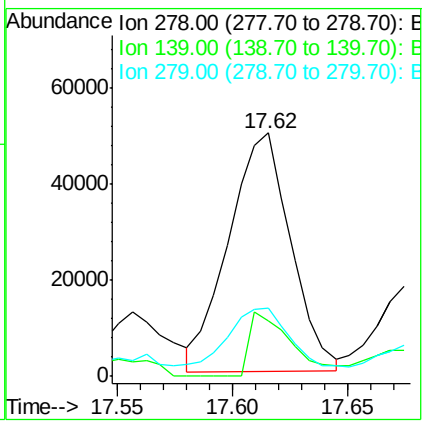


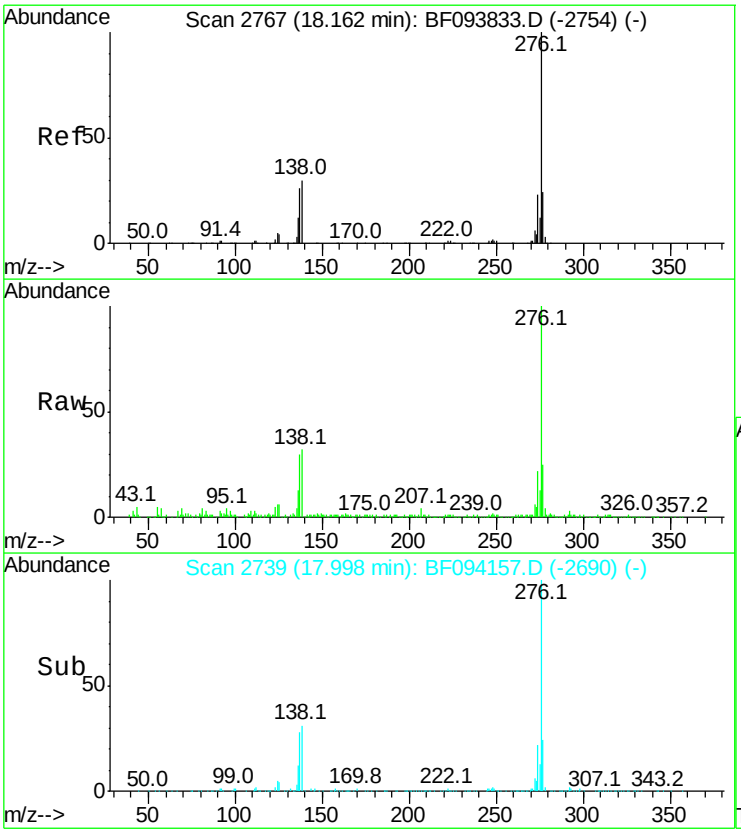
#90
Dibenzo(a,h)anthracene
Concen: 8.86 ng
RT: 17.62 min Scan# 2674
Delta R.T. -0.02 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 92877

Ion	Ratio	Lower	Upper
278	100		
139	23.0	16.6	24.8
279	27.8	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 27.26 ng
RT: 18.00 min Scan# 2739
Delta R.T. -0.01 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:276 Resp: 287927

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	32.1	25.4	38.0