Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
Data File : BF093786.D
Acq On : 21 Mar 2017 1:22
Operator : SJ/MA
Sample : I2280-01MS 50X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CTMIX-1MS

Quant Time: Mar 21 02:20:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 20 16:03:59 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	236440	20.00	ng		-0.01
21) Naphthalene-d8	8.13	136	903312	20.00	ng		-0.01
38) Acenaphthene-d10	9.88	164	404929	20.00	ng		-0.01
63) Phenanthrene-d10	11.35	188	612193	20.00	ng		-0.01
75) Chrysene-d12	13.98	240	387988	20.00	ng		-0.02
86) Perylene-d12	15.39	264	347324	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	42071	3.11	ng		-0.02
7) Phenol-d6	6.45	99	52090	3.12	ng		-0.03
23) Nitrobenzene-d5	7.38	82	28392	1.78	ng		-0.02
41) 2,4,6-Tribromophenol	10.65	330	5421	1.73	ng		-0.02
44) 2-Fluorobiphenyl	9.19	172	60124	2.50	ng		-0.02
78) Terphenyl-d14	12.93	244	39917	2.10	ng		-0.02
Target Compounds							Qvalue
10) Phenol	6.47	94	66823	3.56	ng		81
17) 2-Methylphenol	7.09	107	28218	2.16	ng		96
20) 3+4-Methylphenols	7.24	107	56466	3.65	ng	#	80
31) Naphthalene	8.15	128	4631434	110.46	ng		97
33) 4-Chloroaniline	8.15	127	664889	36.90	ng	#	31
37) 2-Methylnaphthalene	8.84	142	874450	31.95	ng		99
45) 1,1'-Biphenyl	9.29	154	258153	7.84	ng		95
48) Acenaphthylene	9.73	152	990920	24.13	ng		99
51) Acenaphthene	9.90	154	123636	5.04	ng		97
54) Dibenzofuran	10.08	168	645738	19.56	ng		92
55) 4-Nitrophenol	10.07	139	234634	41.13	ng	#	28
57) Fluorene	10.42	166	804282	31.82	ng		98
61) 4-Nitroaniline	10.41	138	14287	2.10	ng	#	70
70) Phenanthrene	11.38	178	2423591	74.33	ng		100
71) Anthracene	11.43	178	859566	25.61	ng		98
72) Carbazole	11.58	167	297294	8.95	ng		96
74) Fluoranthene	12.56	202	1361185	40.62	ng		99
77) Pyrene	12.79	202	1323748	41.00	ng		99
80) Benzo(a)anthracene	14.00	228	326774	13.45	ng		95
82) Chrysene	14.00	228	326774	13.46	ng		97
85) Indeno(1,2,3-cd)pyrene	16.75	276	142191	7.15	ng		96
87) Benzo(b)fluoranthene	15.09	252	99344	4.24	ng		95
88) Benzo(k)fluoranthene	14.99	252	560746	32.43	ng		98
89) Benzo(a)pyrene	15.33	252	348793	18.37	ng		97
90) Dibenzo(a,h)anthracene	16.76	278	53313	3.38	ng	#	91
91) Benzo(g,h,i)perylene	17.15	276	131231	8.39	ng		98

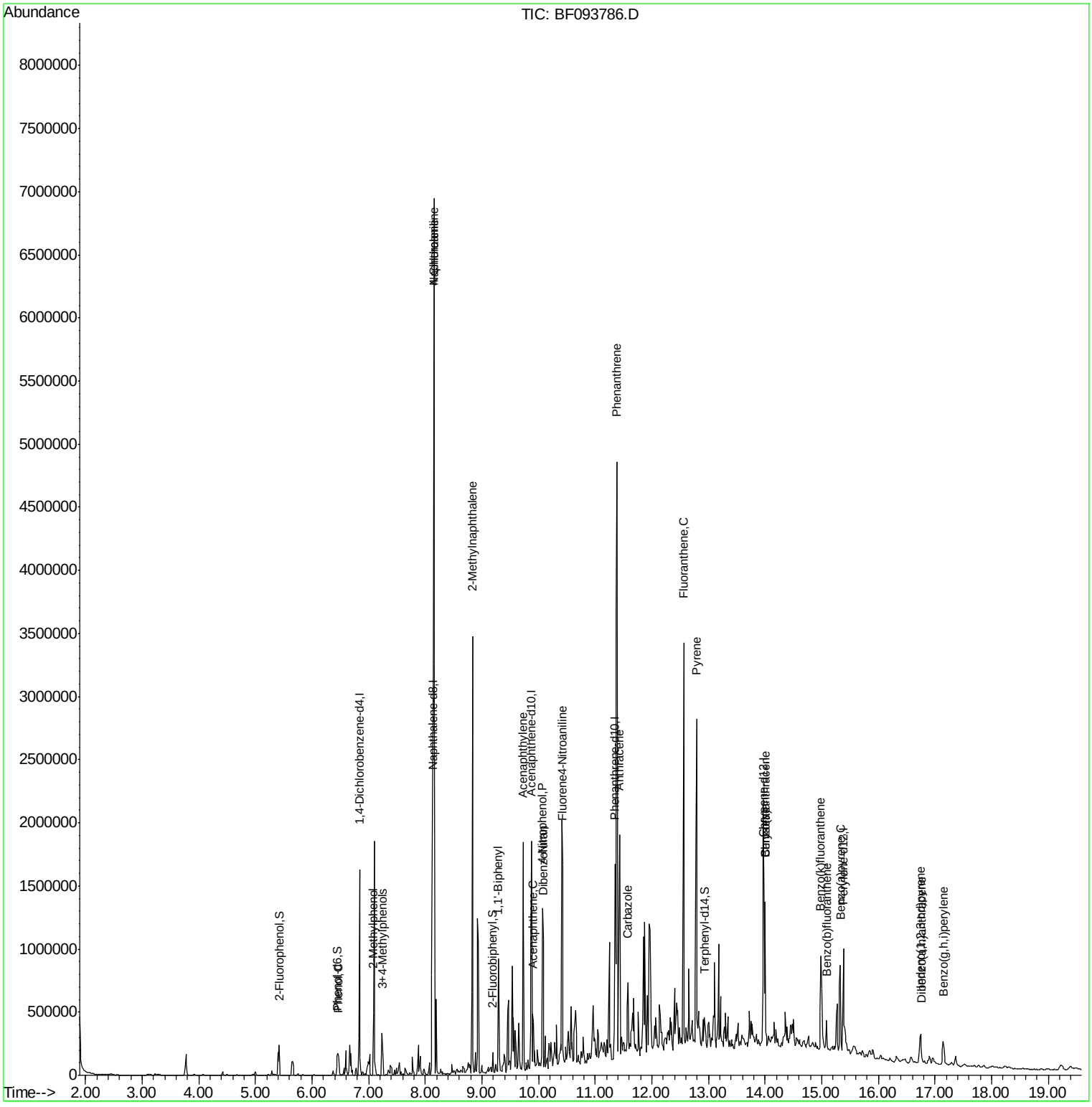
(#) = qualifier out of range (m) = manual integration (+) = signals summed

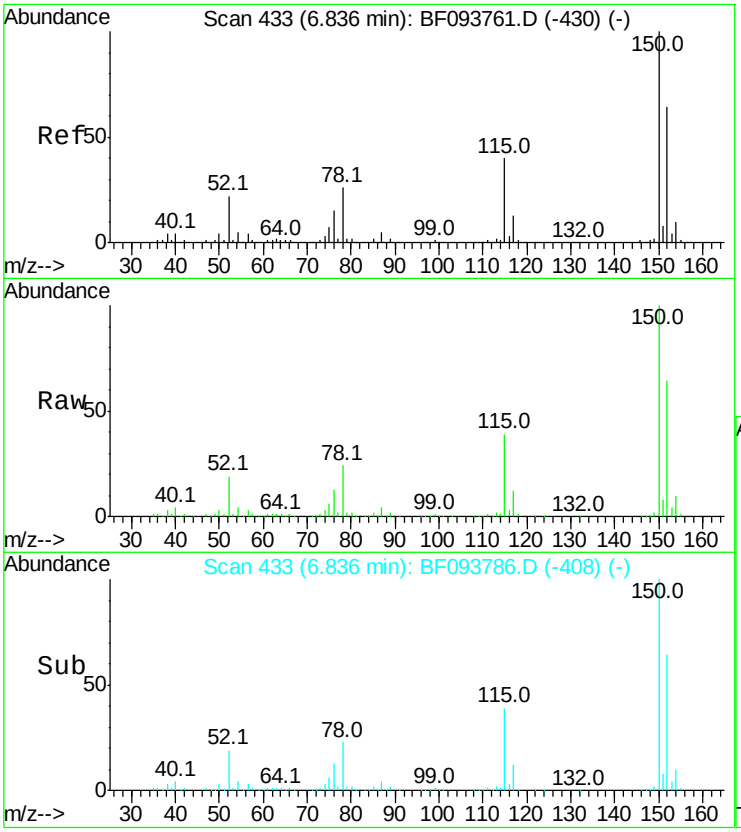
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
Data File : BF093786.D
Acq On : 21 Mar 2017 1:22
Operator : SJ/MA
Sample : I2280-01MS 50X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Quant Time: Mar 21 02:20:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 20 16:03:59 2017
Response via : Initial Calibration



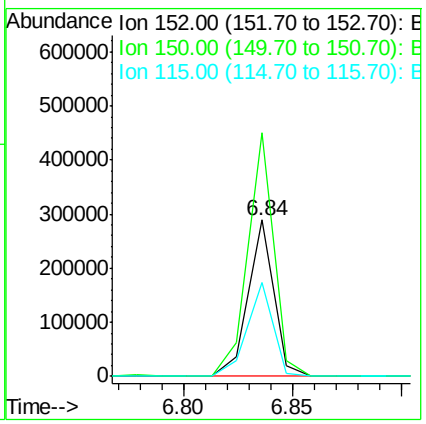


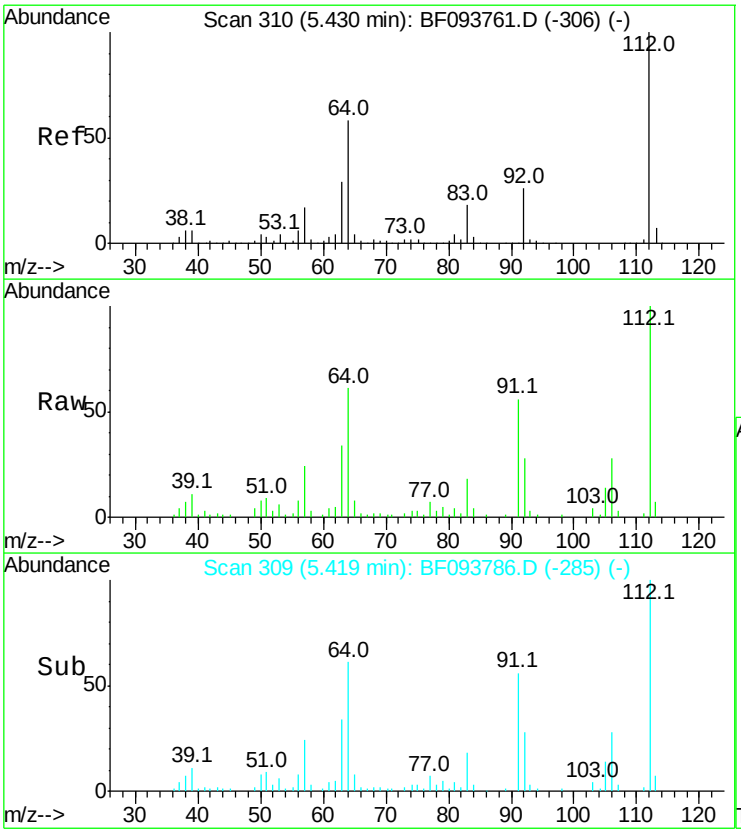
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 433
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:152 Resp: 236440

Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.2	189.2
115	60.4	52.2	78.2

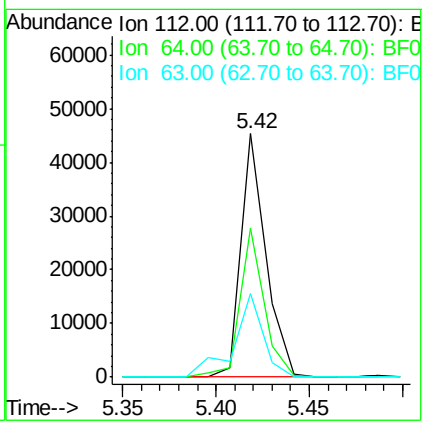


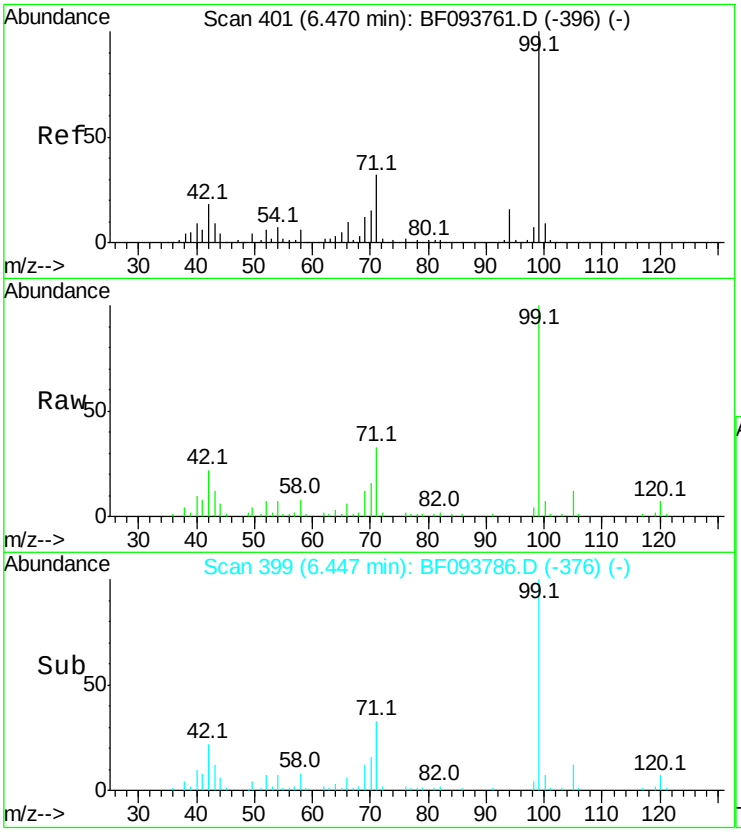


#5
2-Fluorophenol
Concen: 3.11 ng
RT: 5.42 min Scan# 309
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:112 Resp: 42071

Ion	Ratio	Lower	Upper
112	100		
64	61.0	46.0	69.0
63	34.3	23.4	35.0



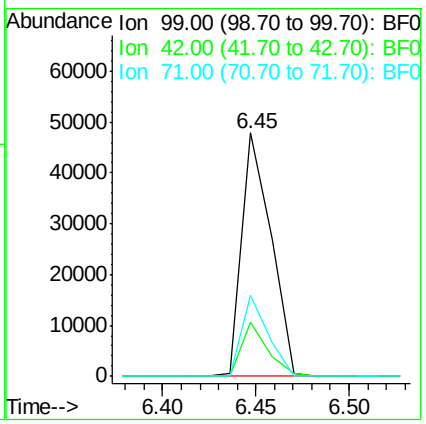


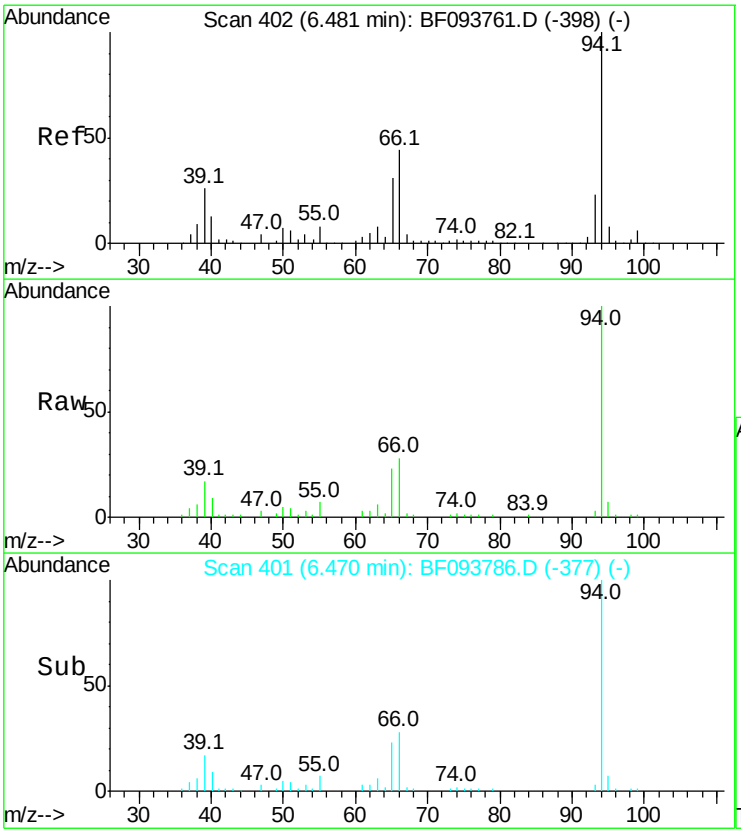
#7
Phenol-d6
Concen: 3.12 ng
RT: 6.45 min Scan# 399
Delta R.T. -0.03 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion: 99 Resp: 52090

Ion	Ratio	Lower	Upper
99	100		
42	22.4	13.5	20.3#
71	33.1	24.5	36.7

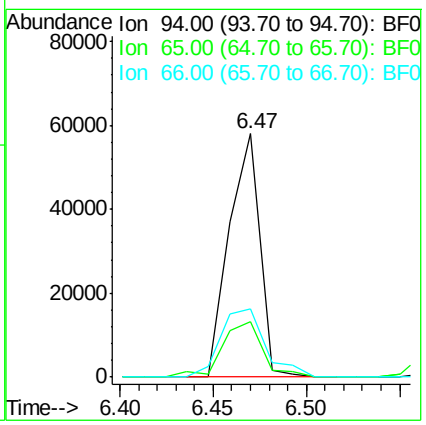


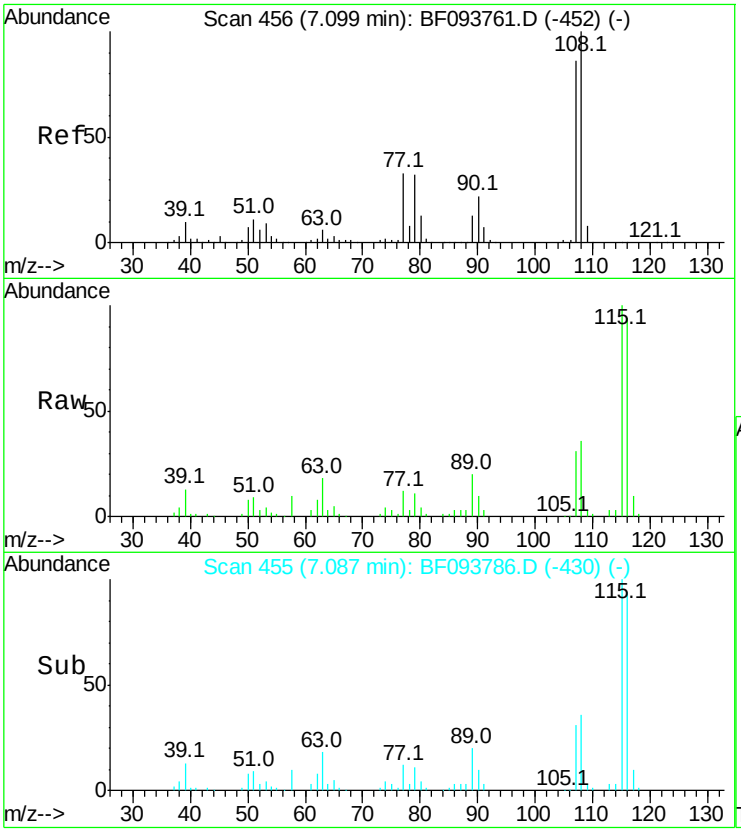


#10
Phenol
Concen: 3.56 ng
RT: 6.47 min Scan# 401
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion: 94 Resp: 66823

Ion	Ratio	Lower	Upper
94	100		
65	22.8	9.9	49.9
66	28.1	23.1	63.1



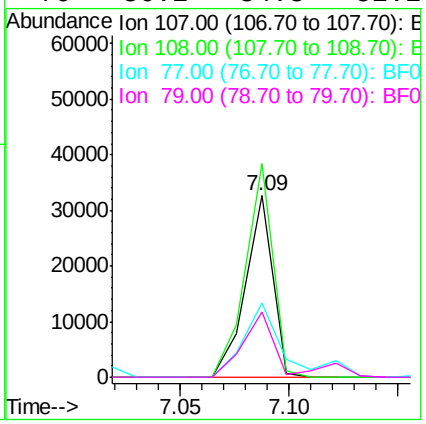


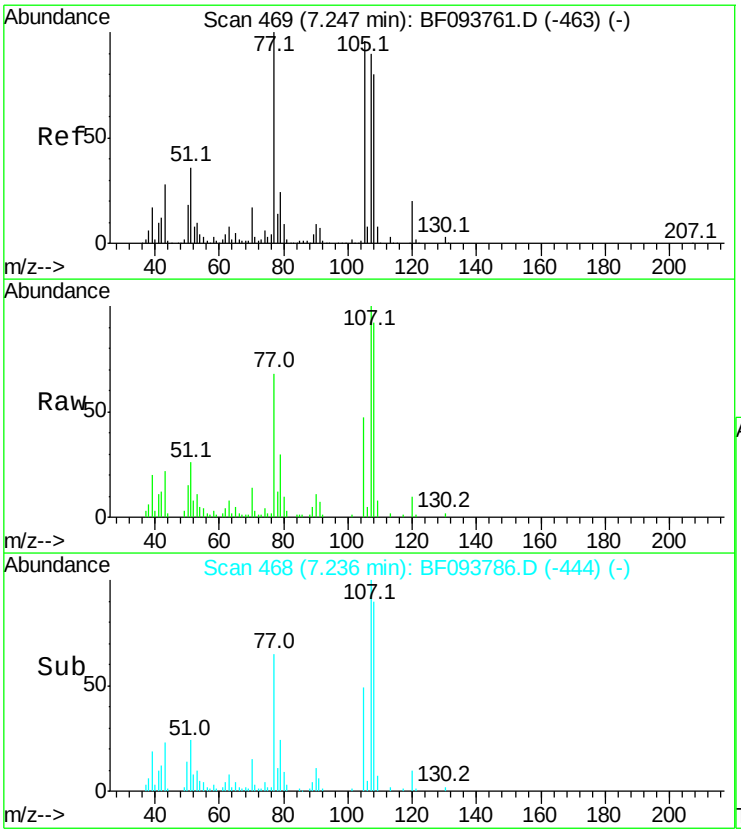
#17
2-Methylphenol
Concen: 2.16 ng
RT: 7.09 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:107 Resp: 28218

Ion	Ratio	Lower	Upper
107	100		
108	117.5	93.4	140.0
77	40.7	35.8	53.6
79	36.2	34.8	52.2

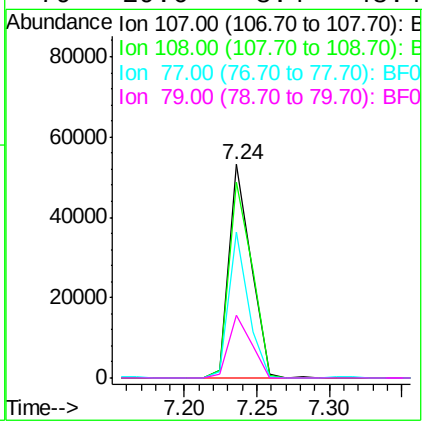


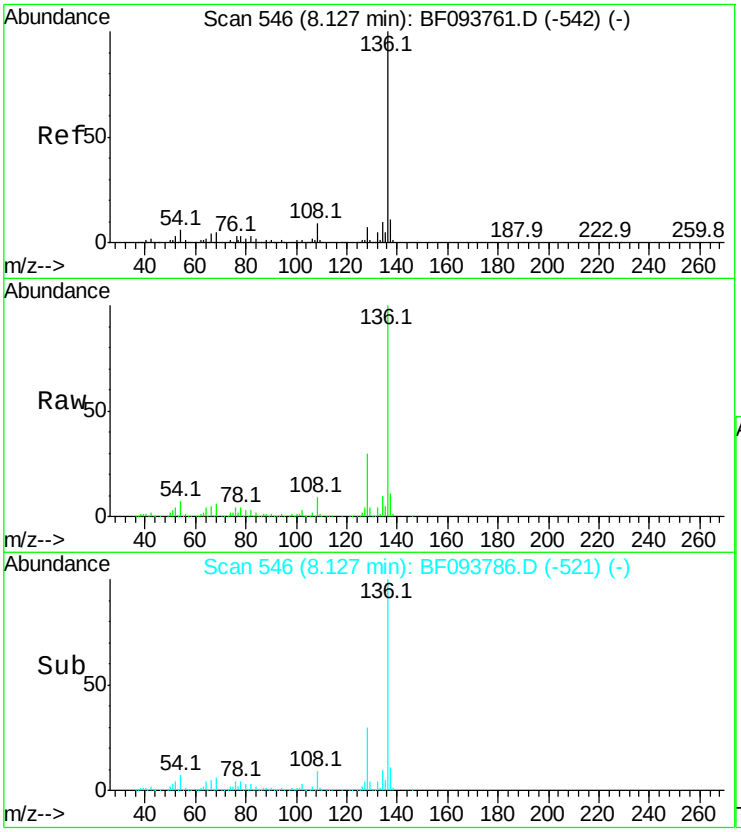


#20
3+4-Methylphenols
Concen: 3.65 ng
RT: 7.24 min Scan# 468
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:107 Resp: 56466

Ion	Ratio	Lower	Upper
107	100		
108	91.8	71.0	111.0
77	68.3	90.5	130.5#
79	29.6	8.4	48.4



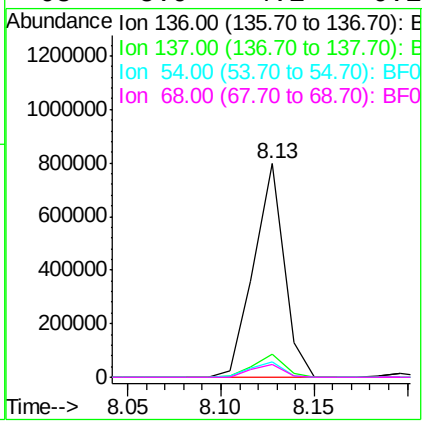


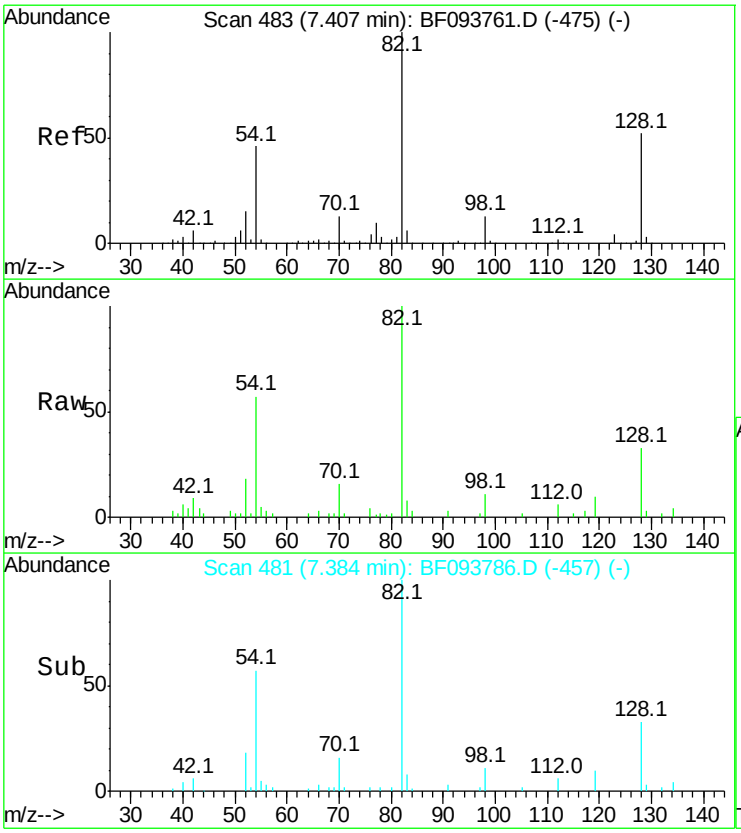
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:136 Resp: 903312

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.0	4.9	7.3
68	5.9	4.1	6.1

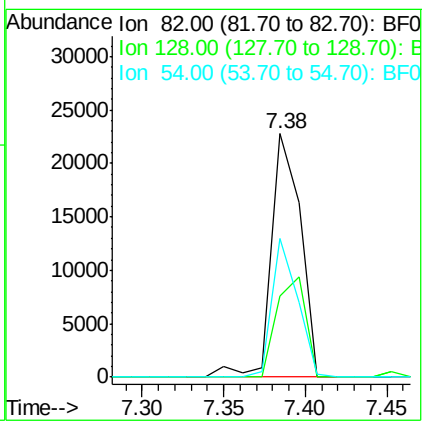


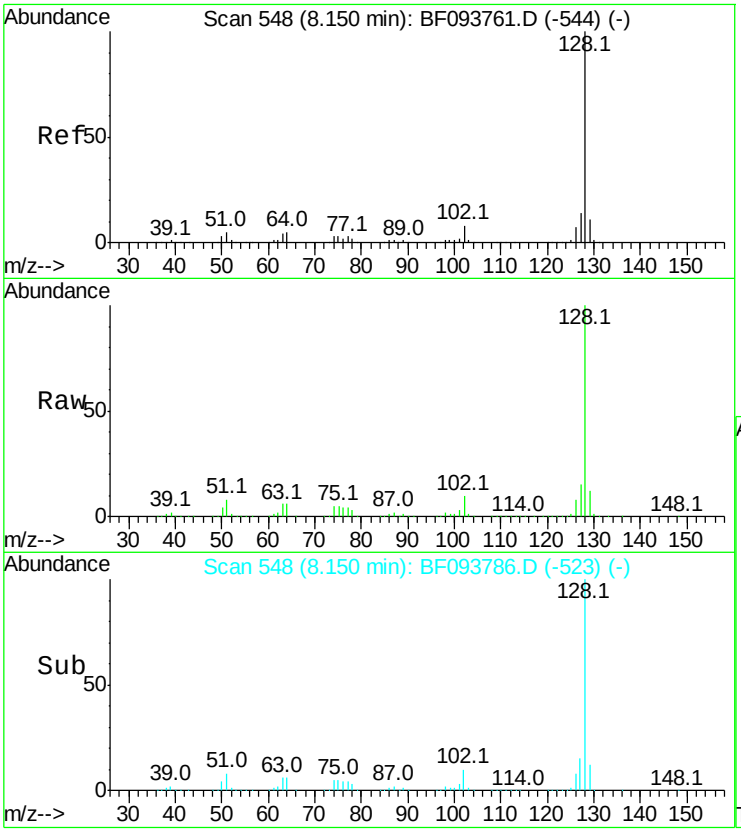


#23
Nitrobenzene-d5
Concen: 1.78 ng
RT: 7.38 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion: 82 Resp: 28392

Ion	Ratio	Lower	Upper
82	100		
128	33.0	34.0	51.0#
54	56.7	42.2	63.2



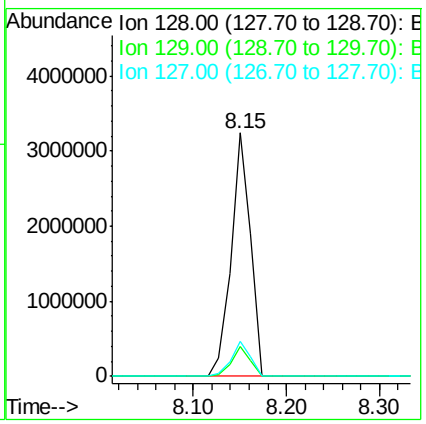


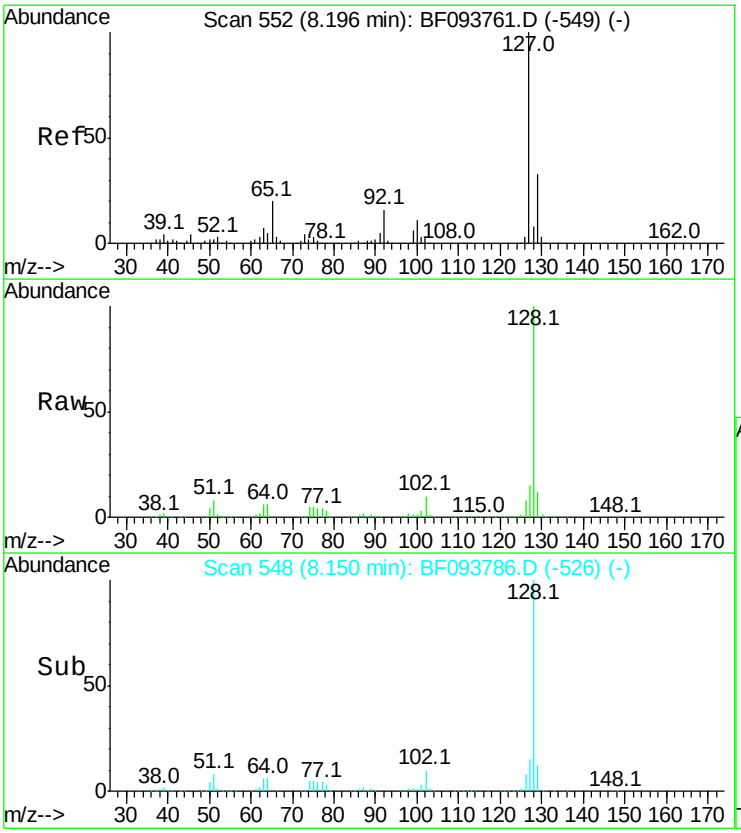
#31
Naphthalene
Concen: 110.46 ng
RT: 8.15 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:128 Resp: 4631434

Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.0	13.6
127	14.6	10.8	16.2

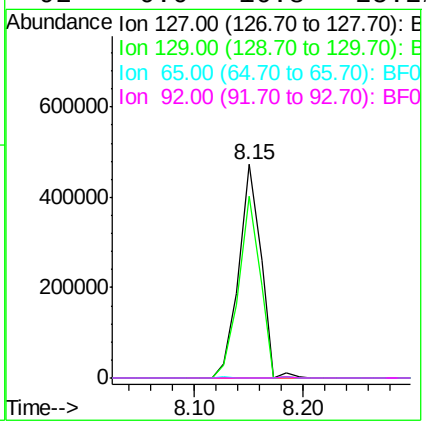


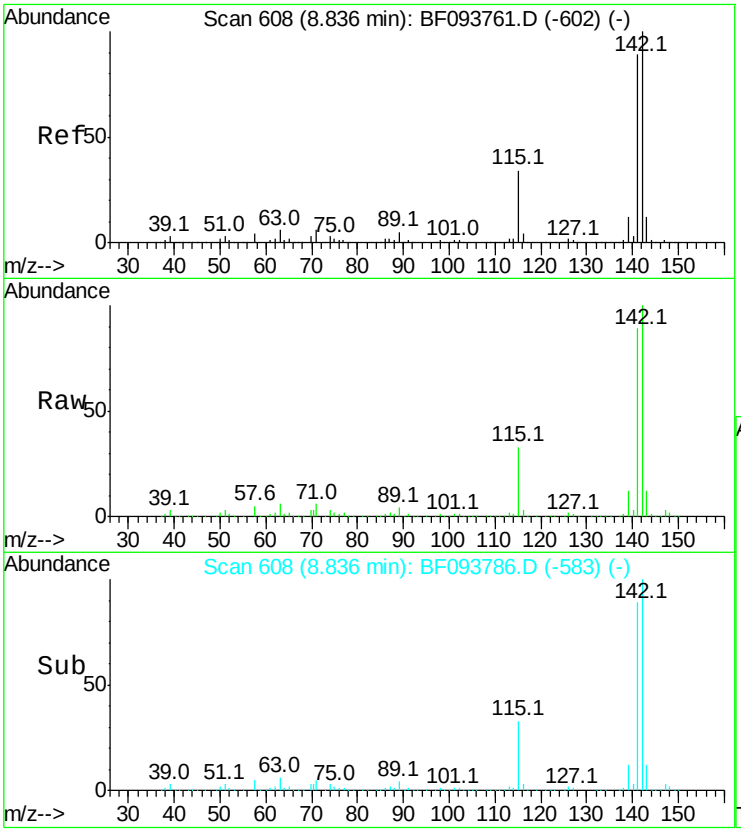


#33
4-Chloroaniline
Concen: 36.90 ng
RT: 8.15 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:127 Resp: 664889

Ion	Ratio	Lower	Upper
127	100		
129	85.1	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



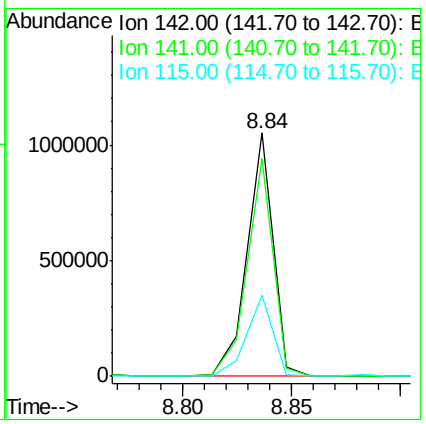


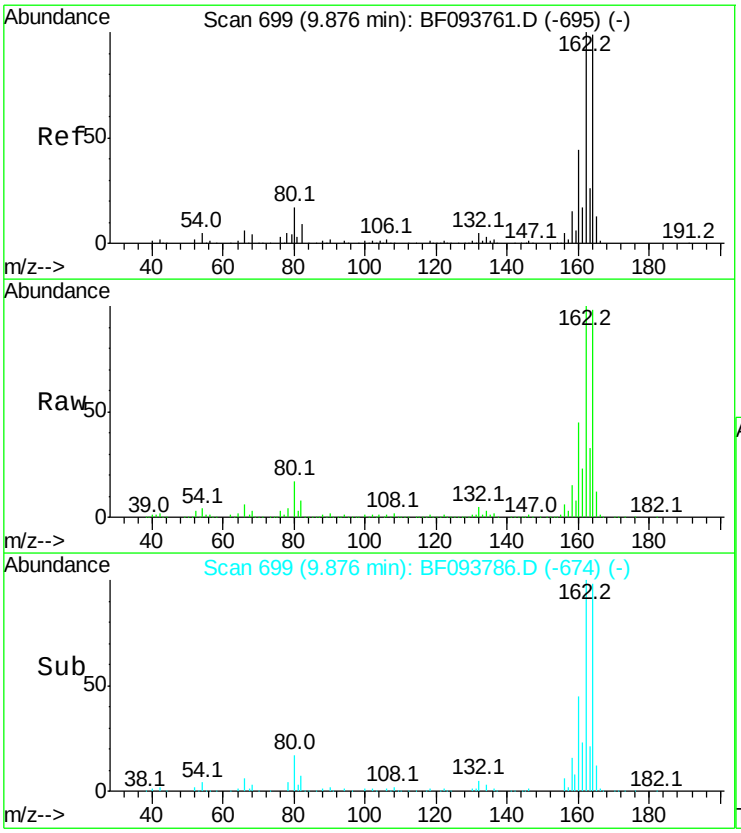
#37
2-Methylnaphthalene
Concen: 31.95 ng
RT: 8.84 min Scan# 608
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:142 Resp: 874450

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.3	106.9
115	33.2	27.1	40.7

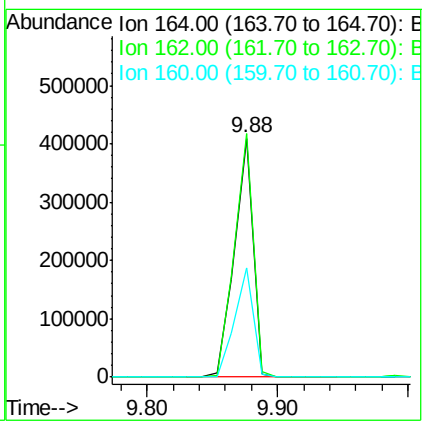


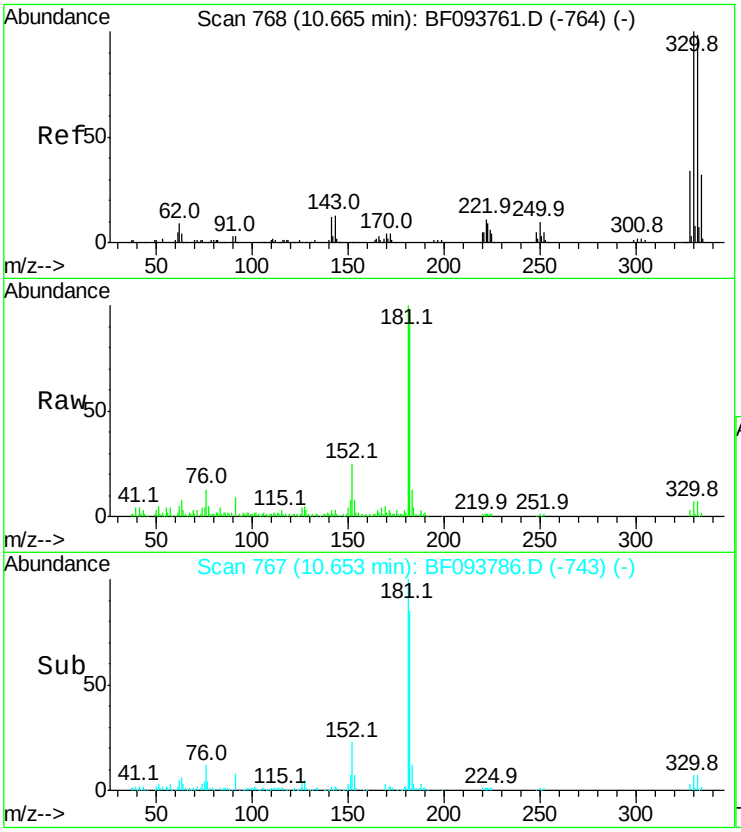


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:164 Resp: 404929

Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.6	123.8
160	45.5	36.2	54.2



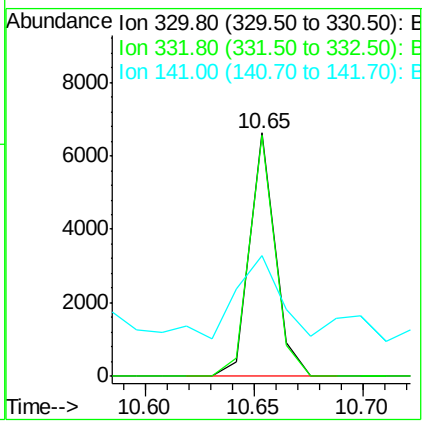


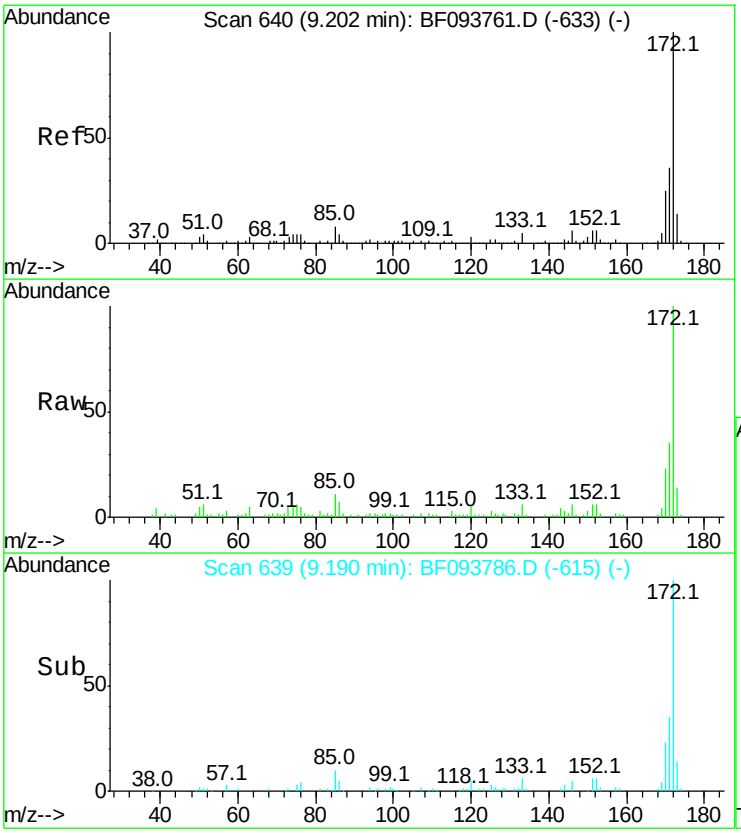
#41
2,4,6-Tribromophenol
Concen: 1.73 ng
RT: 10.65 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:330 Resp: 5421

Ion	Ratio	Lower	Upper
330	100		
332	99.6	76.6	115.0
141	54.5	31.4	47.2#

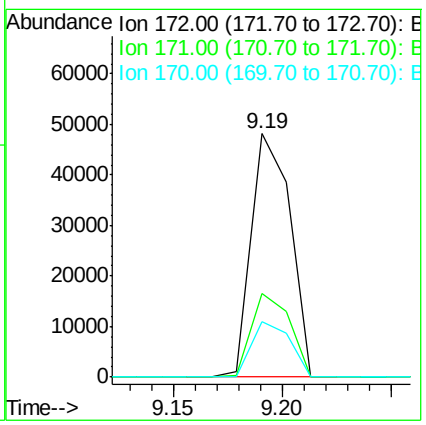


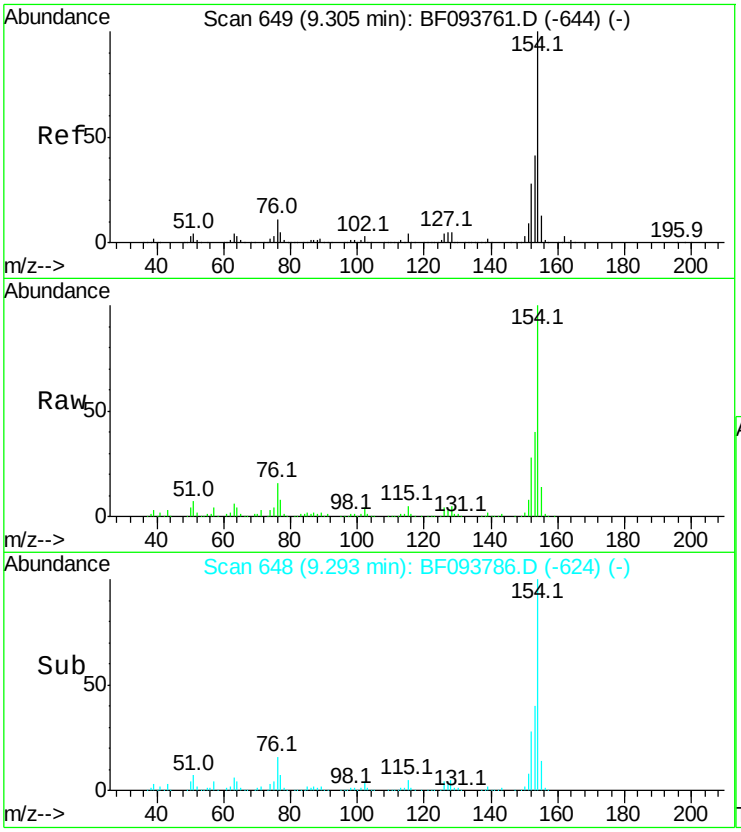


#44
2-Fluorobiphenyl
Concen: 2.50 ng
RT: 9.19 min Scan# 639
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:172 Resp: 60124

Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.6	44.4
170	22.8	19.8	29.8



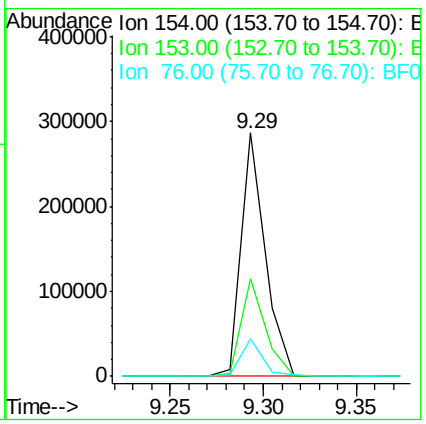


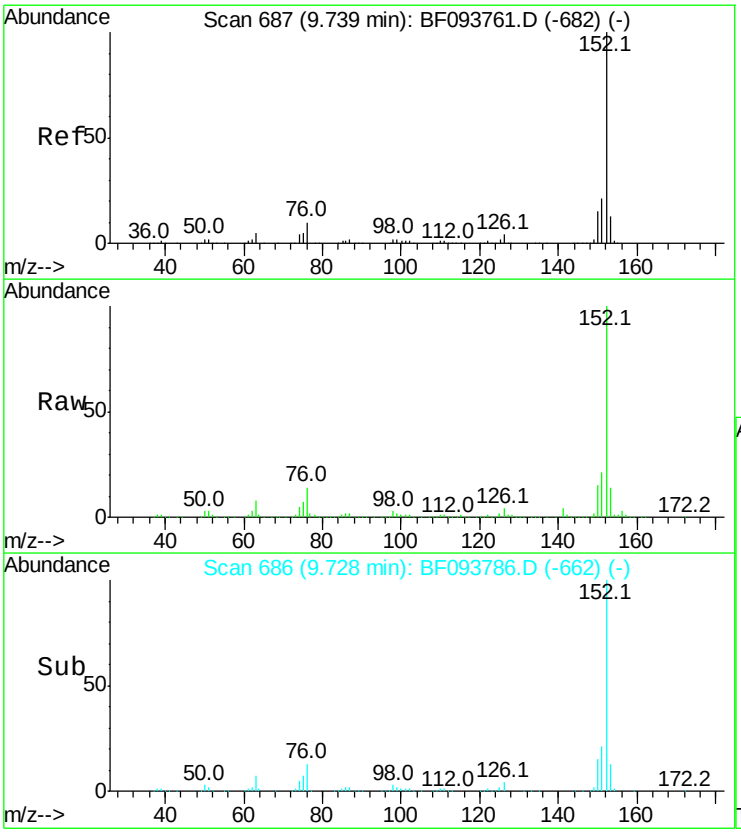
#45
1,1'-Biphenyl
Concen: 7.84 ng
RT: 9.29 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:154 Resp: 258153

Ion	Ratio	Lower	Upper
154	100		
153	40.0	21.2	61.2
76	15.7	0.0	29.9

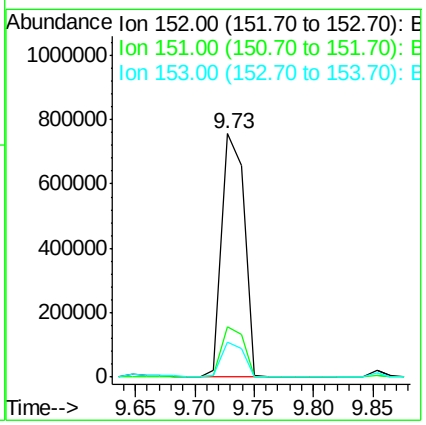


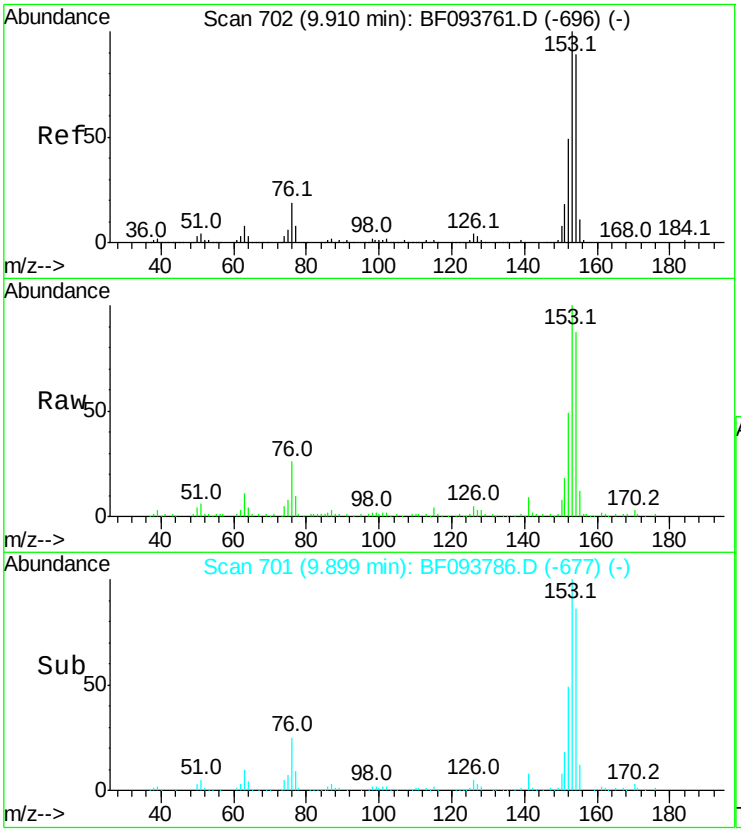


#48
Acenaphthylene
Concen: 24.13 ng
RT: 9.73 min Scan# 686
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:152 Resp: 990920

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	14.4	10.8	16.2



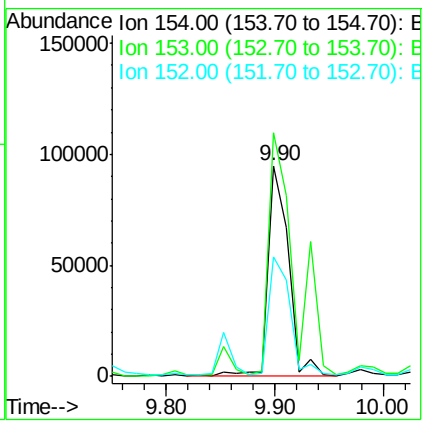


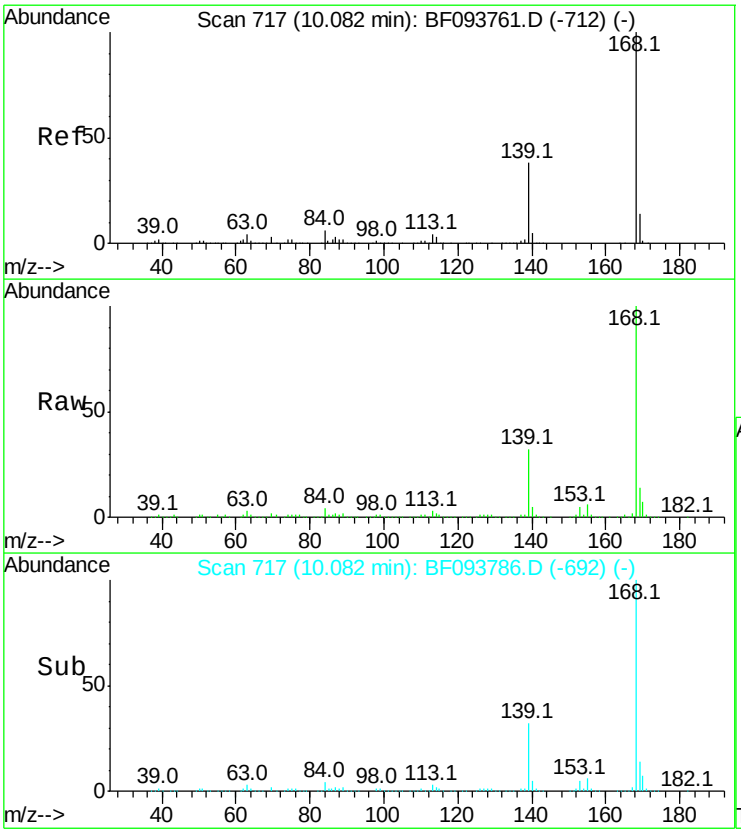
#51
Acenaphthene
Concen: 5.04 ng
RT: 9.90 min Scan# 701
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:154 Resp: 123636

Ion	Ratio	Lower	Upper
154	100		
153	115.6	90.5	135.7
152	56.7	43.6	65.4

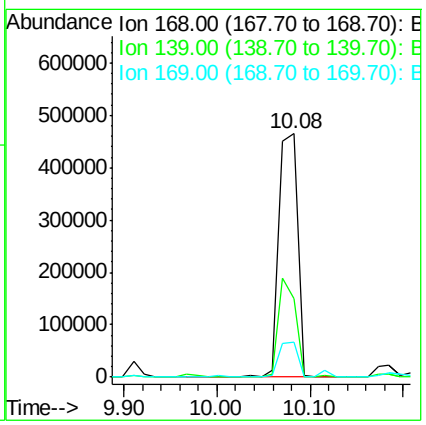


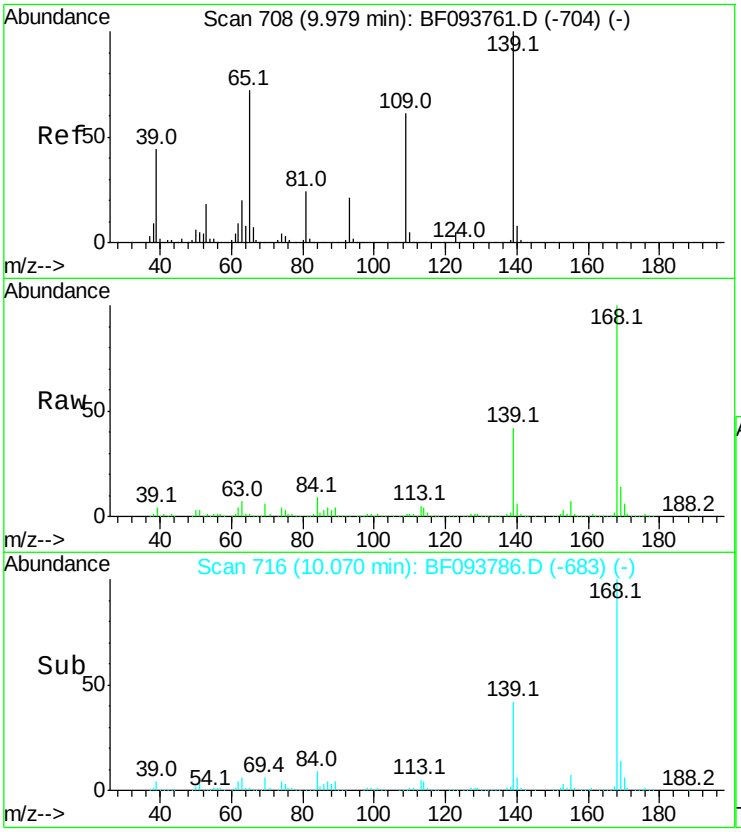


#54
Dibenzofuran
Concen: 19.56 ng
RT: 10.08 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:168 Resp: 645738

Ion	Ratio	Lower	Upper
168	100		
139	32.1	30.6	45.8
169	14.2	10.8	16.2



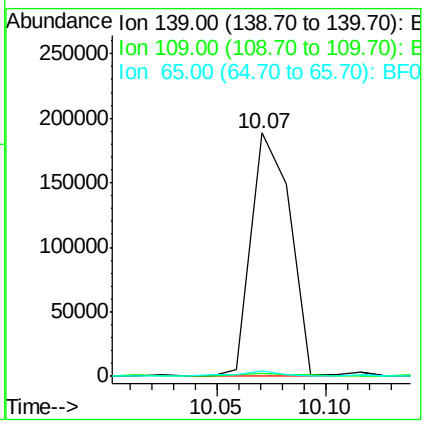


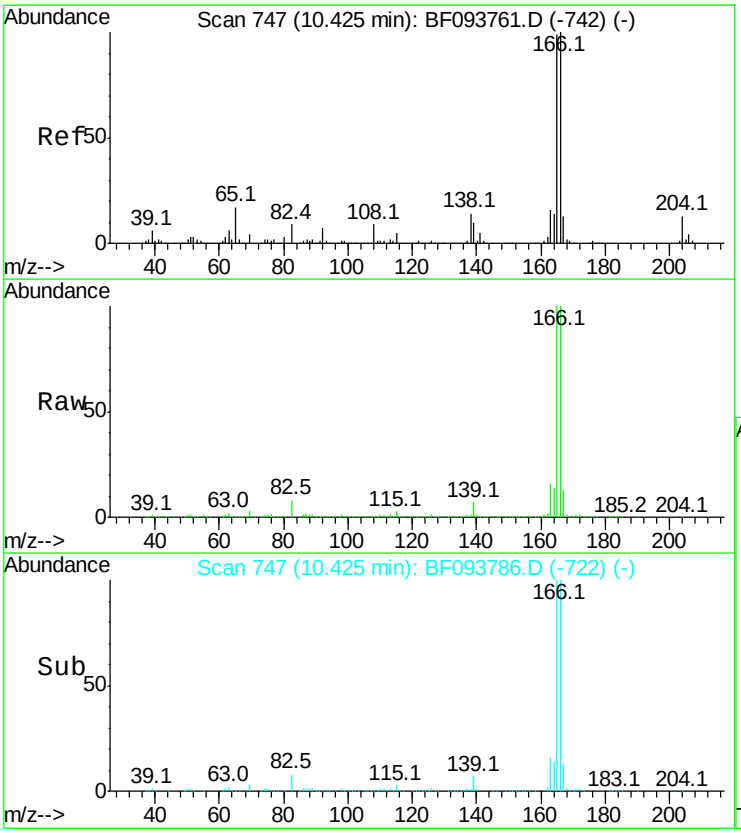
#55
4-Nitrophenol
Concen: 41.13 ng
RT: 10.07 min Scan# 716
Delta R.T. 0.08 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:139 Resp: 234634

Ion	Ratio	Lower	Upper
139	100		
109	1.2	34.1	74.1#
65	2.1	31.4	71.4#

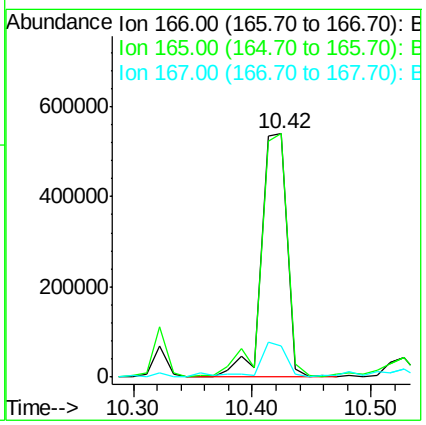


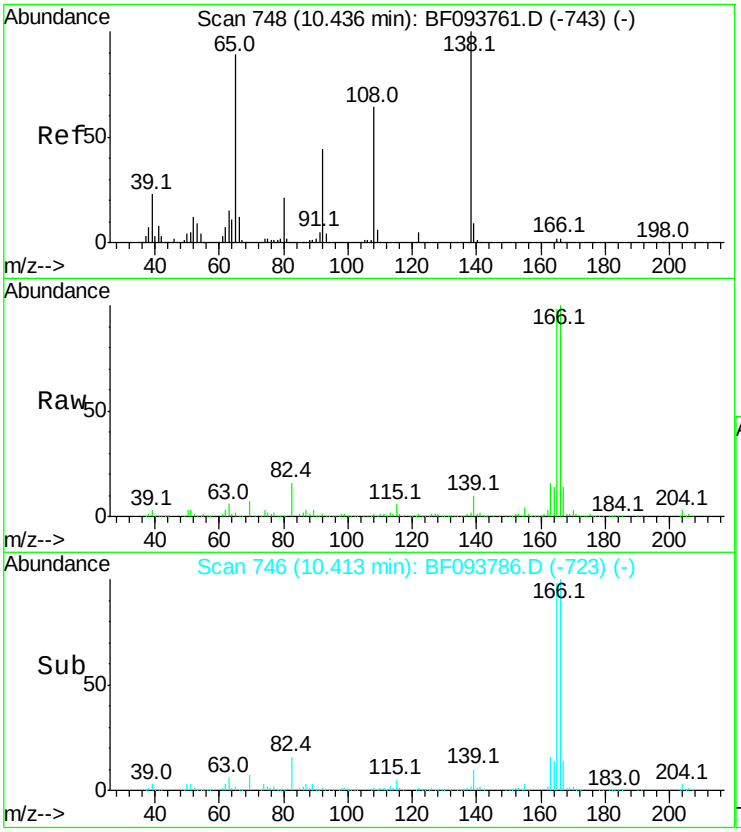


#57
Fluorene
Concen: 31.82 ng
RT: 10.42 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:166 Resp: 804282

Ion	Ratio	Lower	Upper
166	100		
165	100.2	78.8	118.2
167	12.9	10.6	16.0



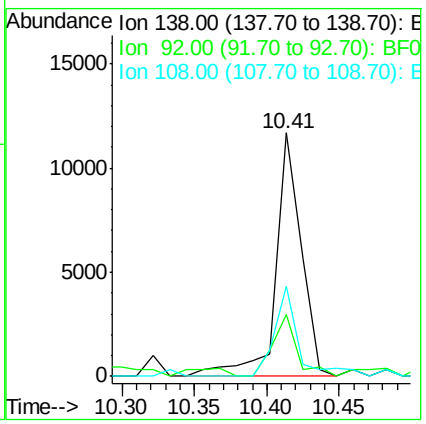


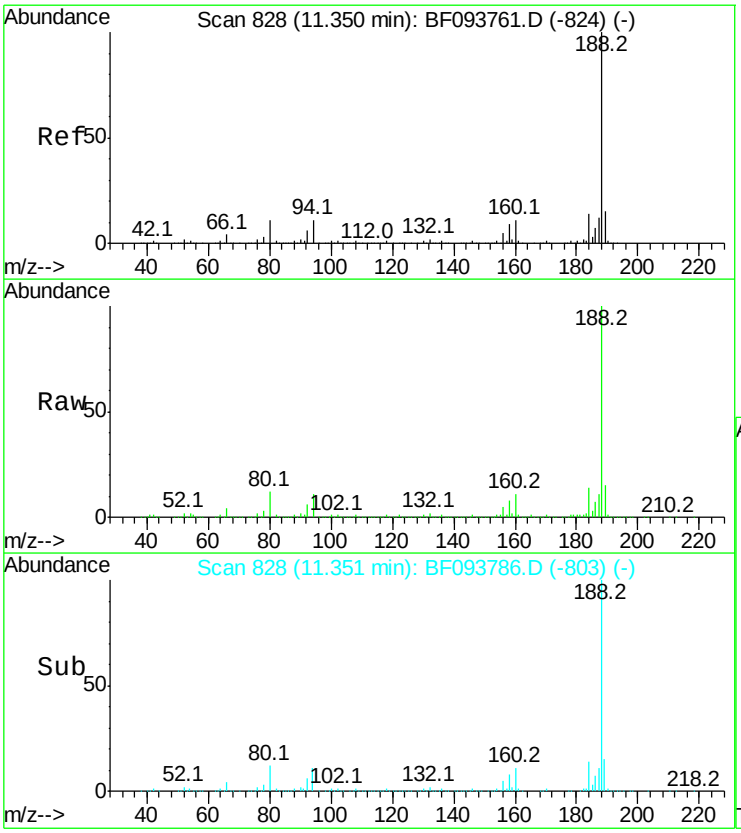
#61
4-Nitroaniline
Concen: 2.10 ng
RT: 10.41 min Scan# 746
Delta R.T. -0.03 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:138 Resp: 14287

Ion	Ratio	Lower	Upper
138	100		
92	25.2	21.8	61.8
108	37.1	42.3	82.3#

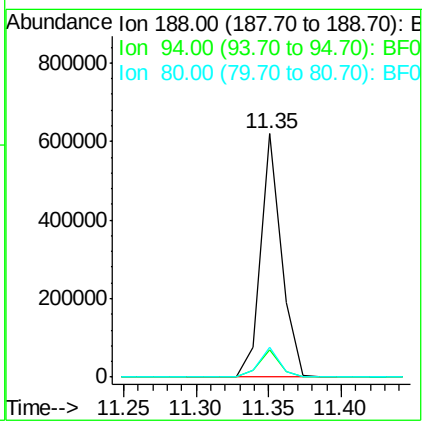


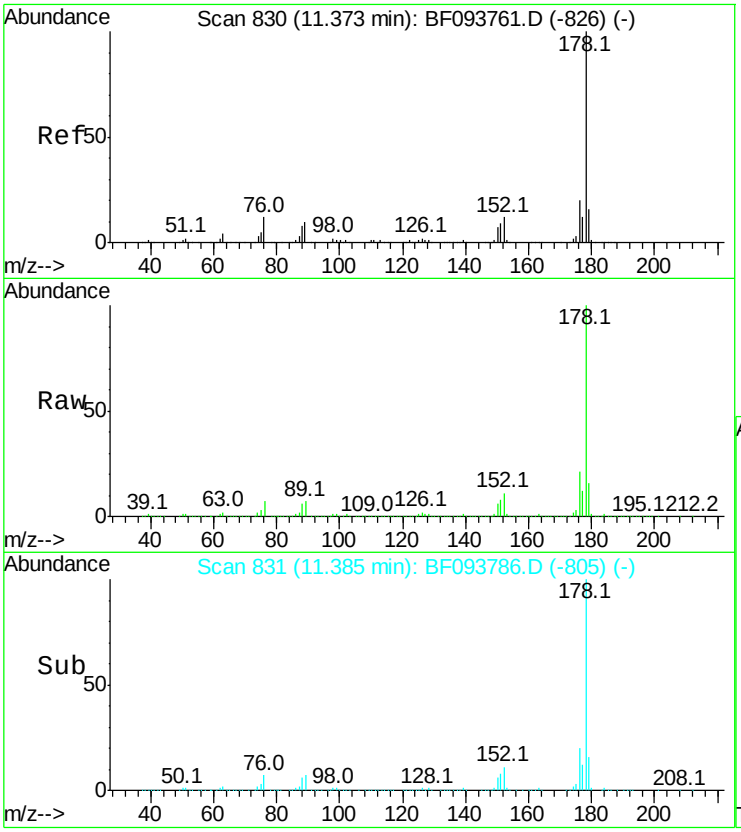


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:188 Resp: 612193

Ion	Ratio	Lower	Upper
188	100		
94	11.4	9.4	14.2
80	12.1	10.2	15.2



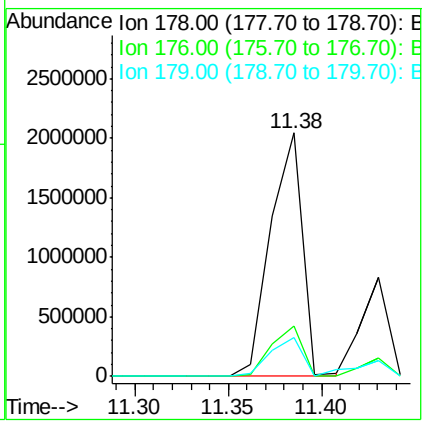


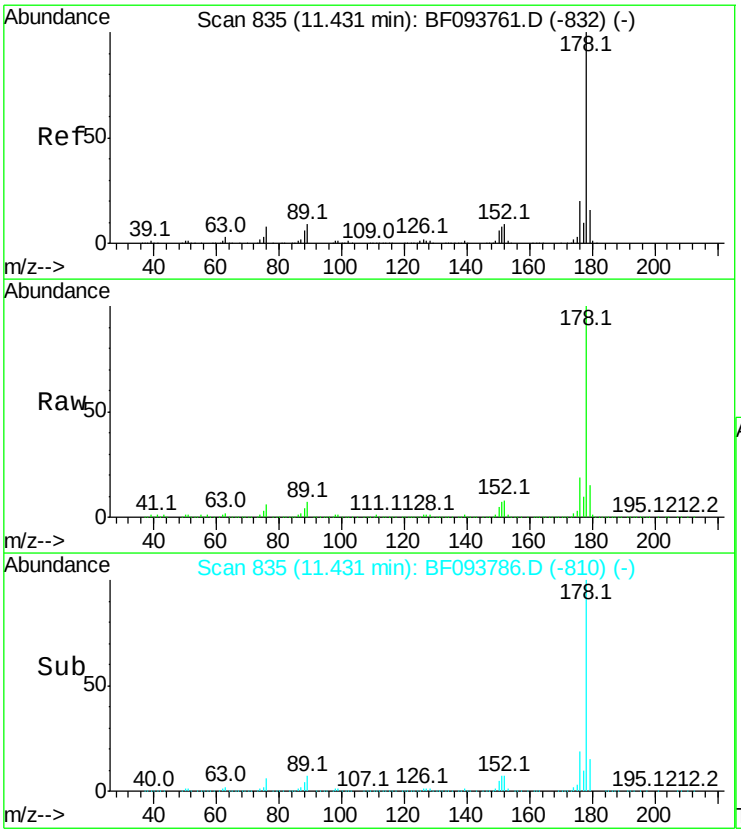
#70
Phenanthrene
Concen: 74.33 ng
RT: 11.38 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:178 Resp: 2423591

Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.2	24.4
179	15.9	12.6	19.0

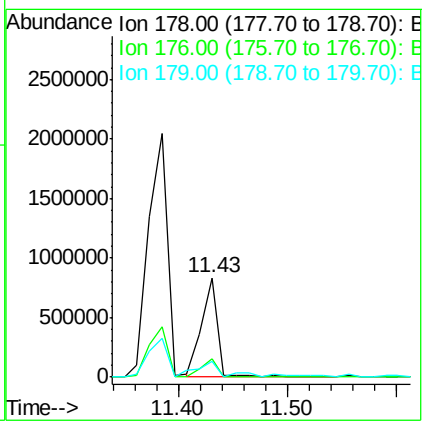


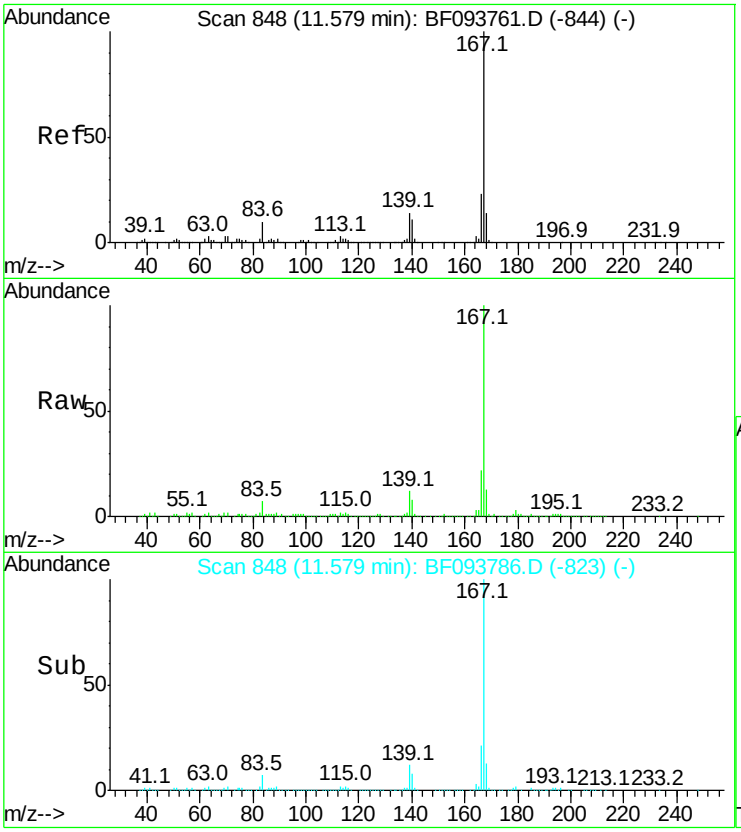


#71
Anthracene
Concen: 25.61 ng
RT: 11.43 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:178 Resp: 859566

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.3	12.7	19.1



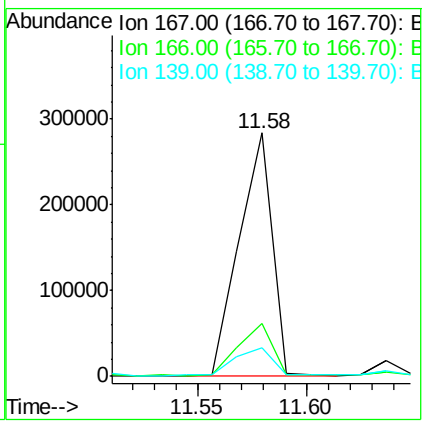


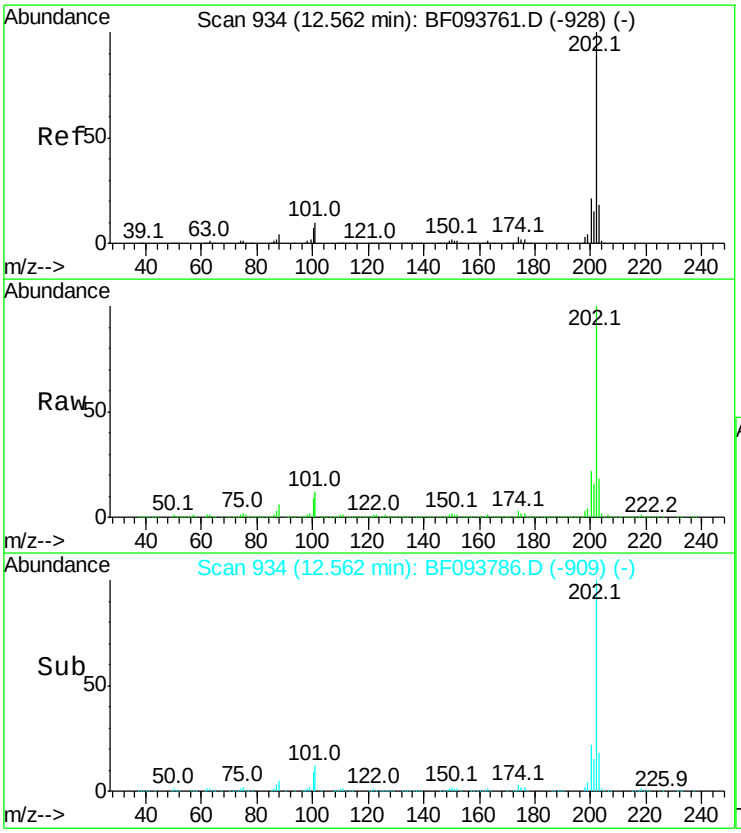
#72
Carbazole
Concen: 8.95 ng
RT: 11.58 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:167 Resp: 297294

Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.1	27.1
139	11.8	11.7	17.5

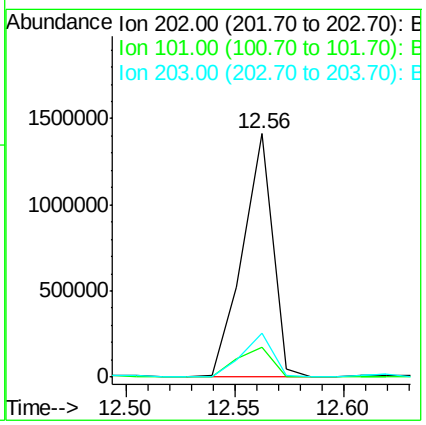


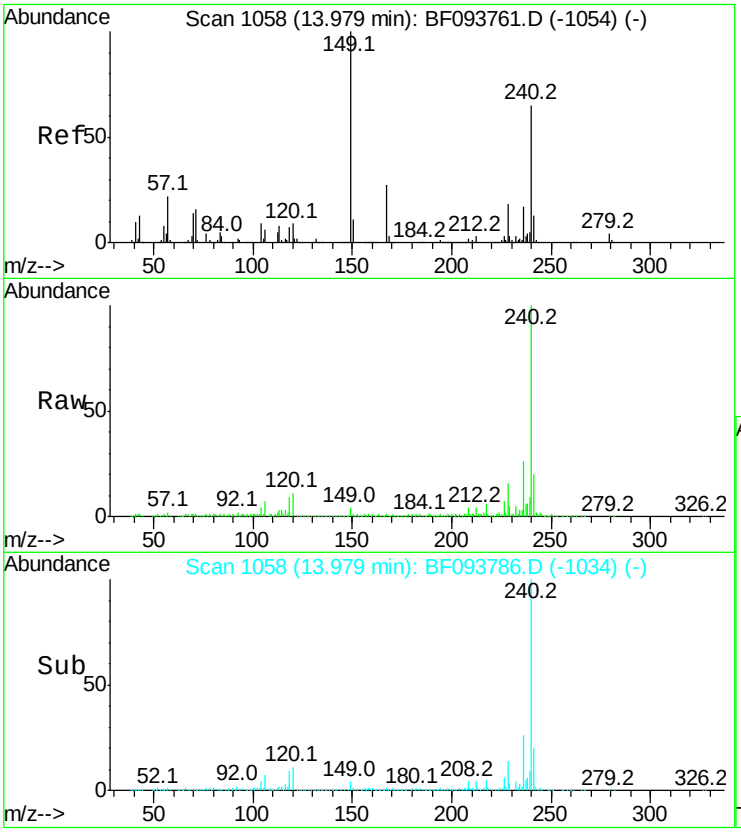


#74
Fluoranthene
Concen: 40.62 ng
RT: 12.56 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:202 Resp: 1361185

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	18.0	0.0	38.1



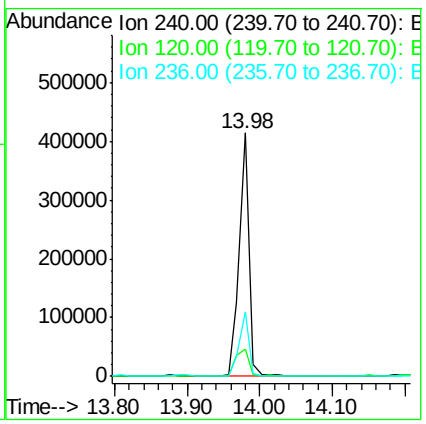


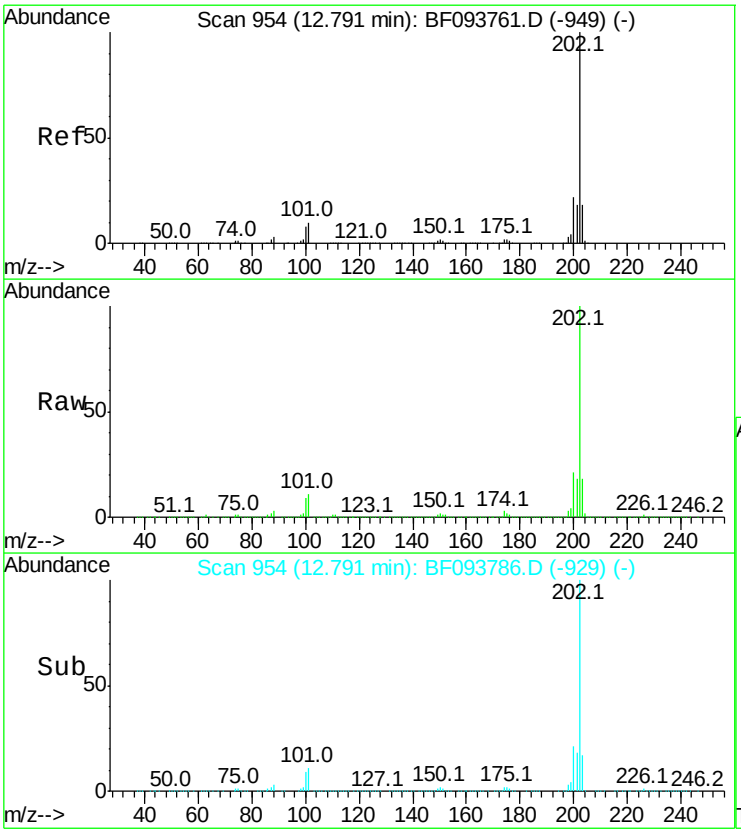
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 1058
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:240 Resp: 387988

Ion	Ratio	Lower	Upper
240	100		
120	11.4	5.8	8.8#
236	26.3	20.5	30.7

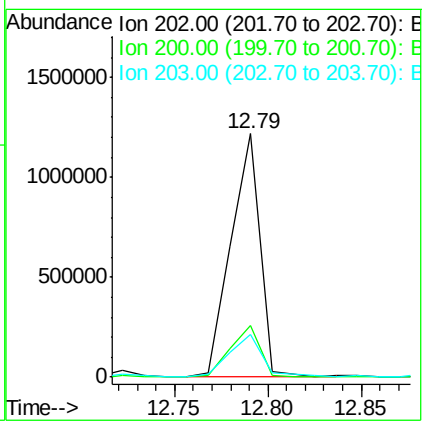


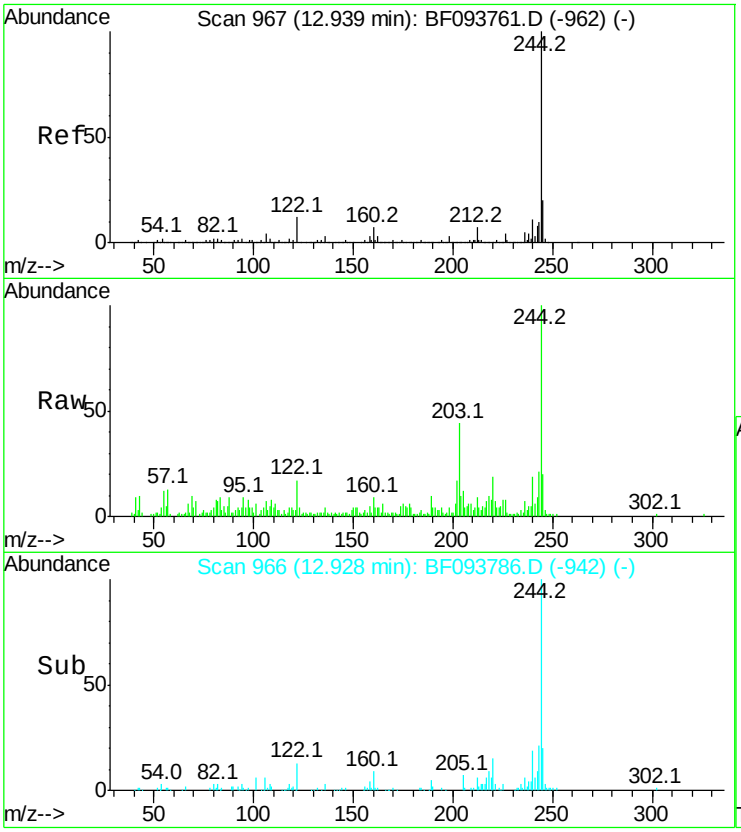


#77
Pyrene
Concen: 41.00 ng
RT: 12.79 min Scan# 954
Delta R.T. -0.01 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:202 Resp: 1323748

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	17.6	14.4	21.6



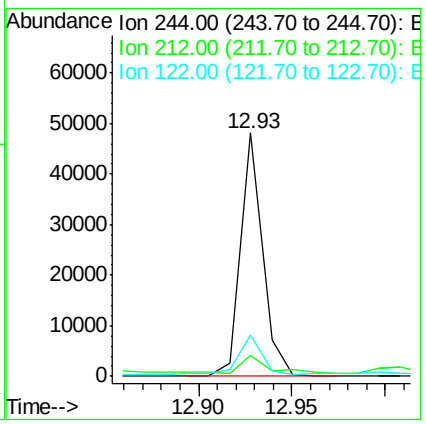


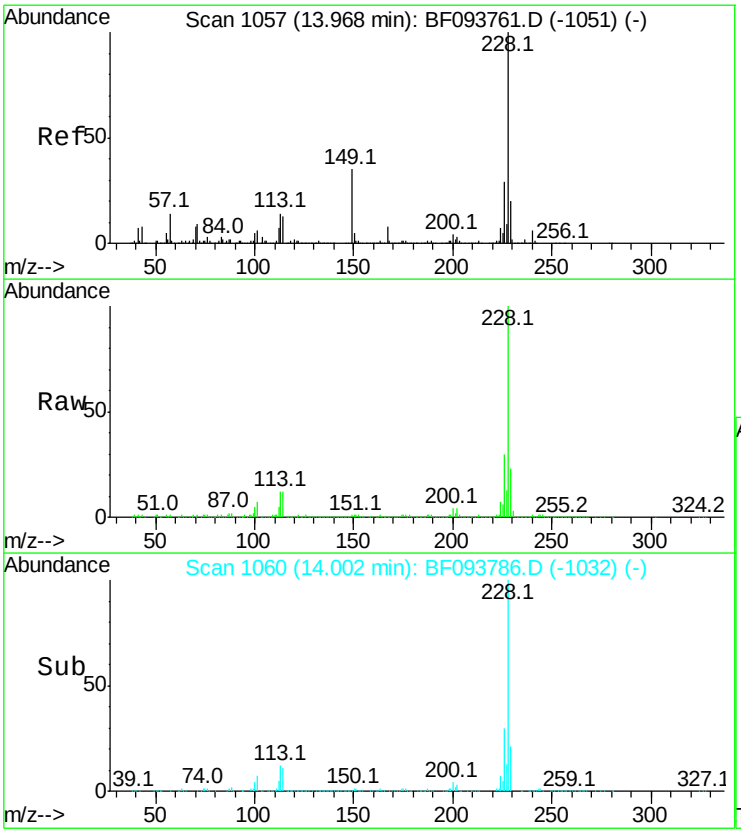
#78
Terphenyl-d14
Concen: 2.10 ng
RT: 12.93 min Scan# 966
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:244 Resp: 39917

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.0	9.0
122	17.2	10.3	15.5#

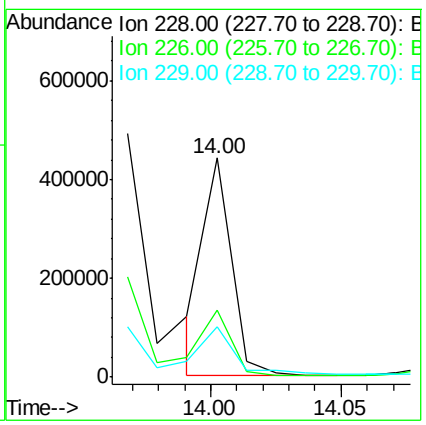


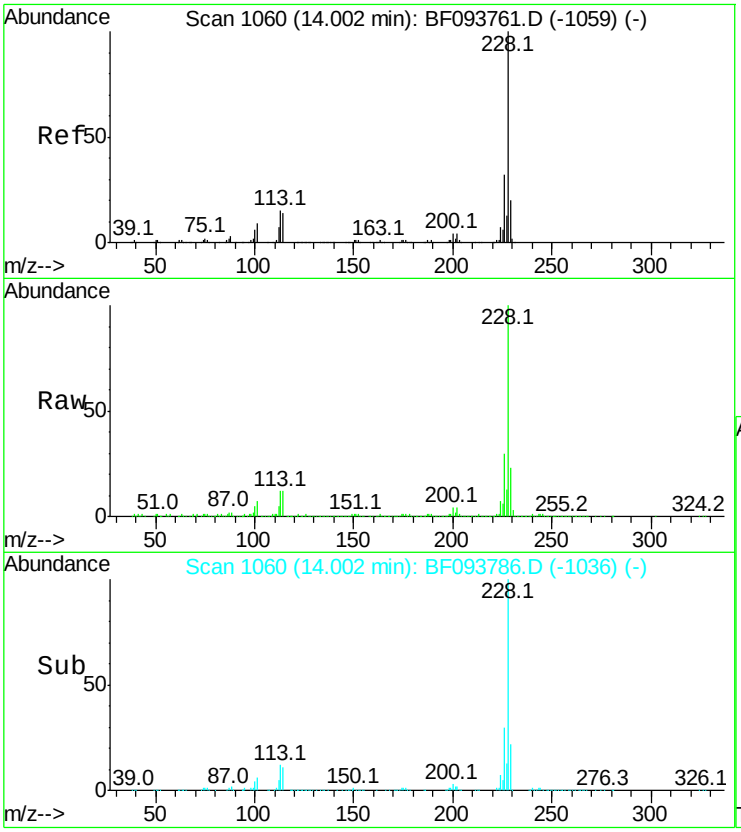


#80
Benzo(a)anthracene
Concen: 13.45 ng
RT: 14.00 min Scan# 1060
Delta R.T. 0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:228 Resp: 326774

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	22.8	16.3	24.5



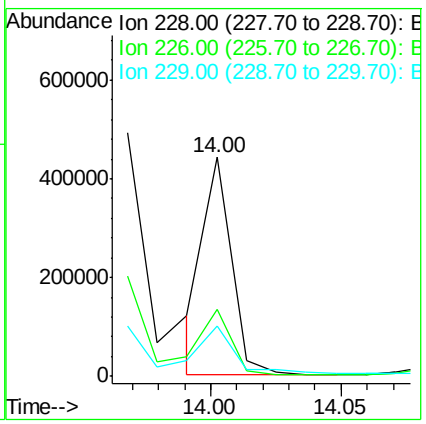


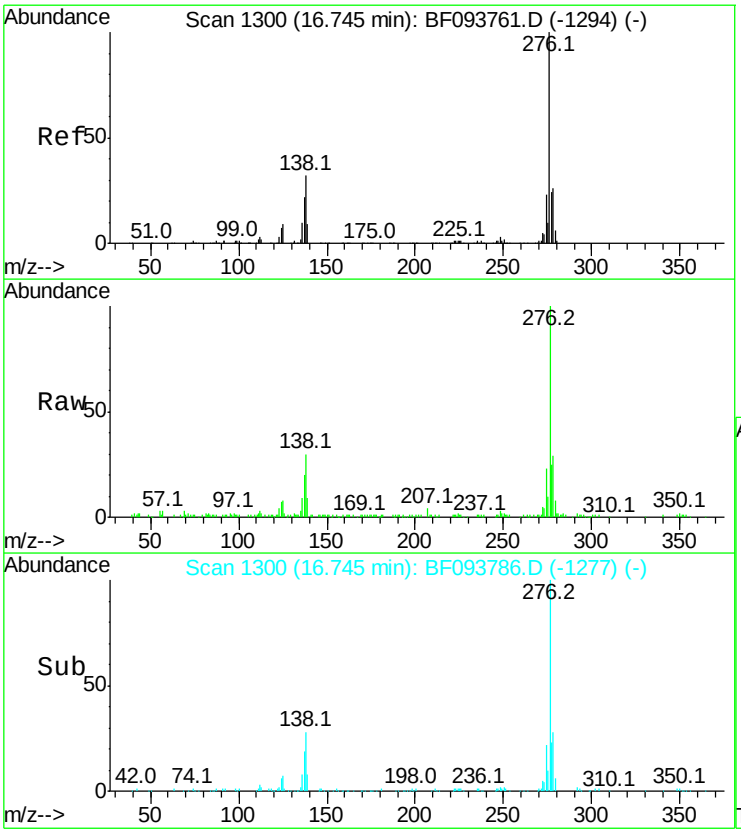
#82
Chrysene
Concen: 13.46 ng
RT: 14.00 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:228 Resp: 326774

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	22.8	15.8	23.6

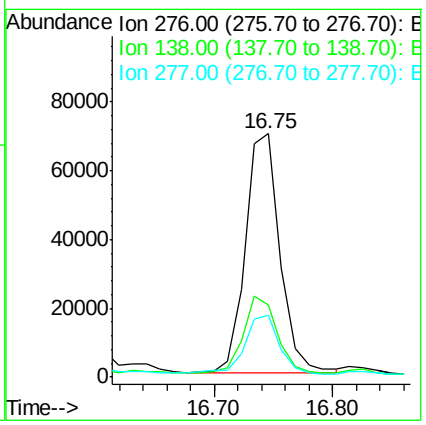


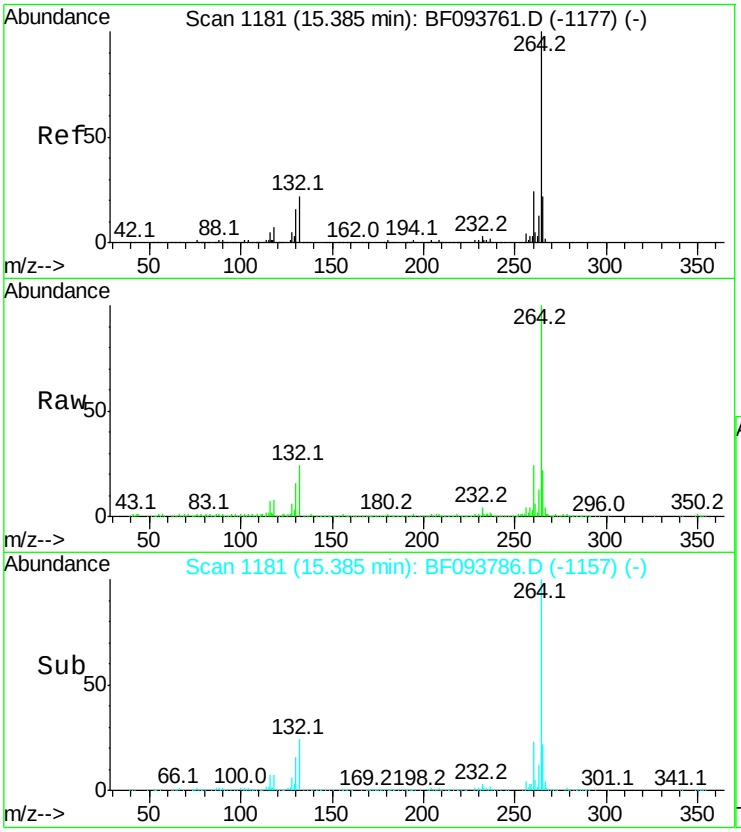


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.15 ng
RT: 16.75 min Scan# 1300
Delta R.T. -0.03 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:276 Resp: 142191

Ion	Ratio	Lower	Upper
276	100		
138	31.7	27.8	41.6
277	24.6	20.2	30.4



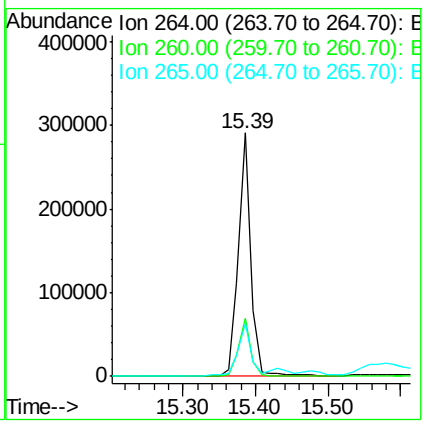


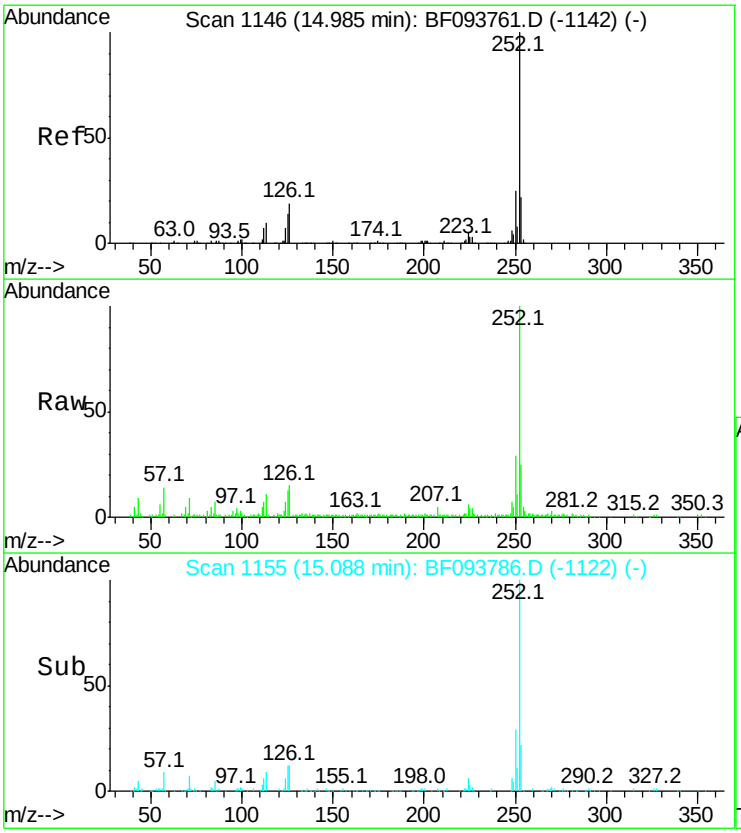
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:264 Resp: 347324

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.9	17.2	25.8

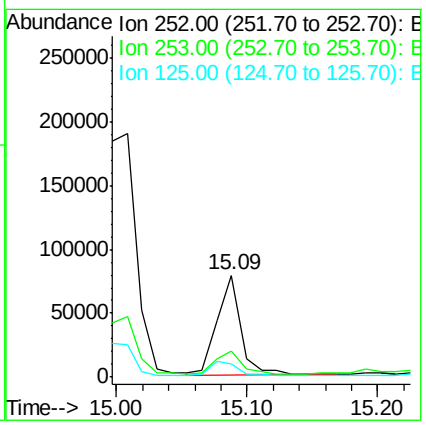


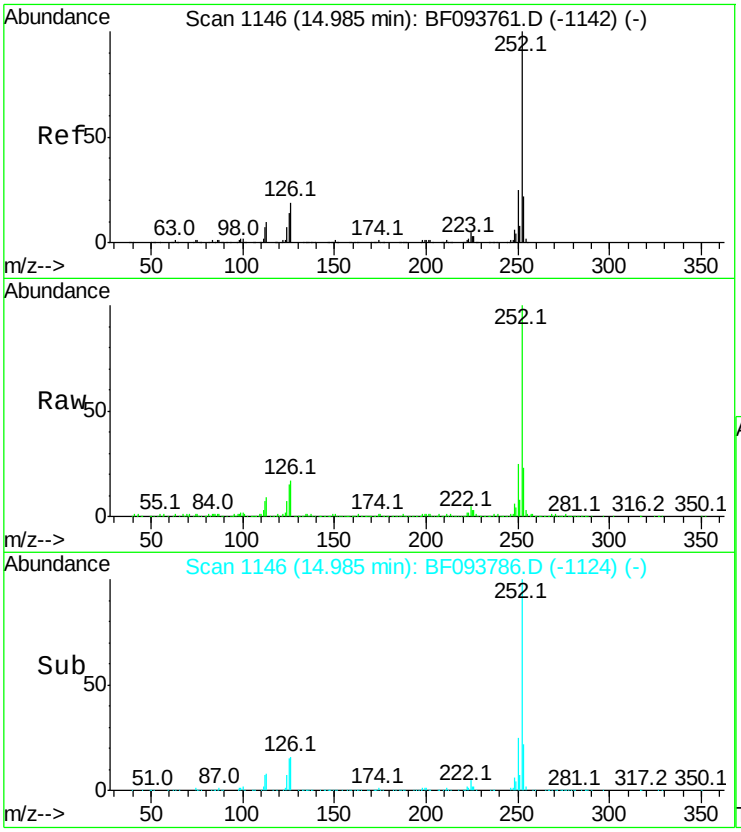


#87
Benzo(b)fluoranthene
Concen: 4.24 ng
RT: 15.09 min Scan# 1155
Delta R.T. 0.08 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:252 Resp: 99344

Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	13.2	9.8	14.8



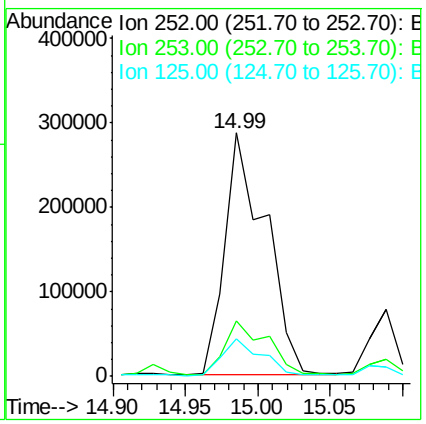


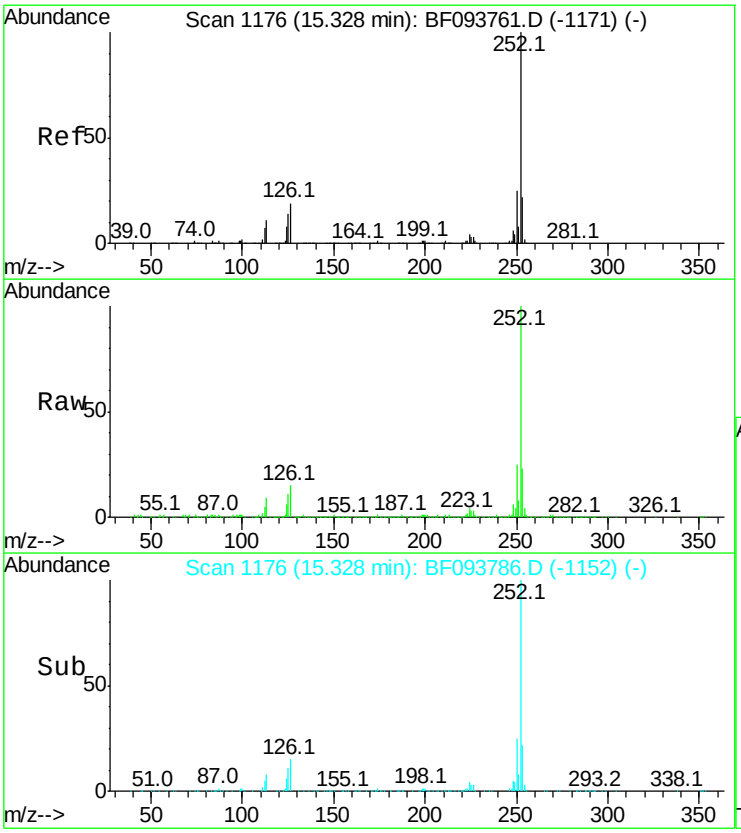
#88
Benzo(k)fluoranthene
Concen: 32.43 ng
RT: 14.99 min Scan# 1146
Delta R.T. -0.04 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:252 Resp: 560746

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	15.4	13.1	19.7

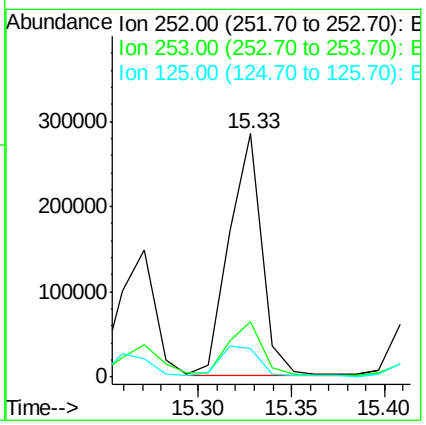


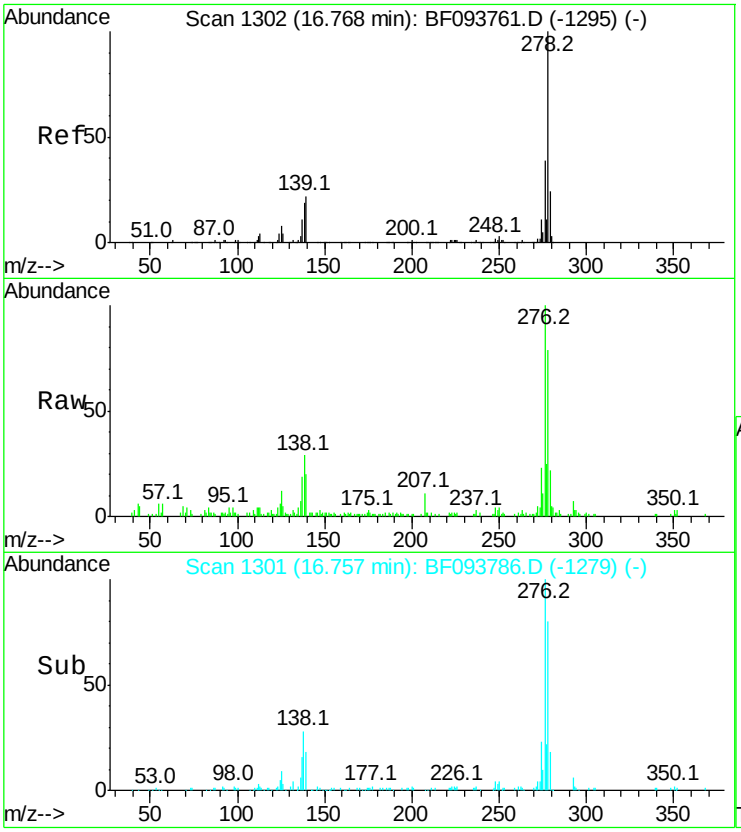


#89
Benzo(a)pyrene
Concen: 18.37 ng
RT: 15.33 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:252 Resp: 348793

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	11.5	11.0	16.4



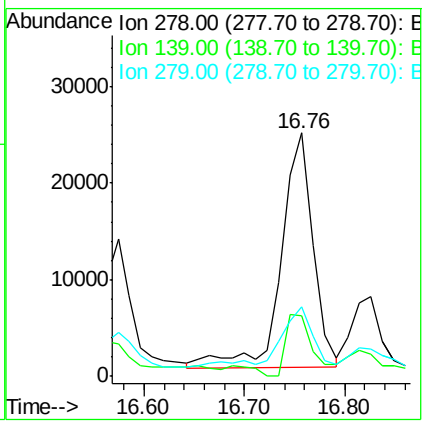


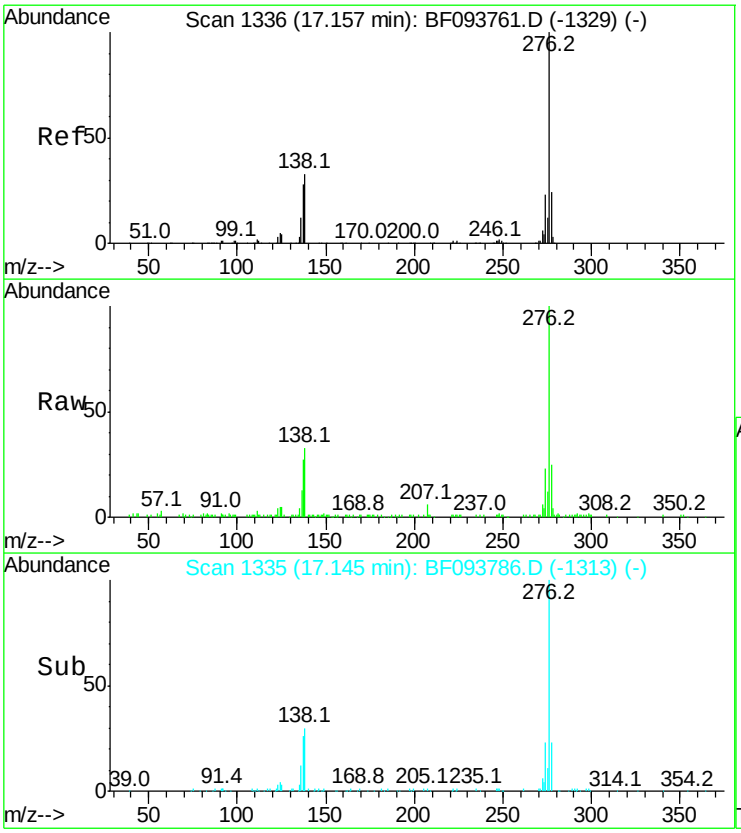
#90
Dibenzo(a,h)anthracene
Concen: 3.38 ng
RT: 16.76 min Scan# 1301
Delta R.T. -0.05 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Instrument :
BNA_F
ClientSampleId :
CTMIX-1MS

Tgt Ion:278 Resp: 53313

Ion	Ratio	Lower	Upper
278	100		
139	25.0	16.6	24.8#
279	28.4	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 8.39 ng
RT: 17.15 min Scan# 1335
Delta R.T. -0.05 min
Lab File: BF093786.D
Acq: 21 Mar 2017 1:22

Tgt Ion:276 Resp: 131231

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	32.5	25.4	38.0