Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
Data File : BF093781.D
Acq On : 20 Mar 2017 23:05
Operator : SJ/MA
Sample : I2318-03 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-CT-01

Quant Time: Mar 21 01:07:05 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	240437	20.00	ng		-0.01
21) Naphthalene-d8	8.13	136	909567	20.00	ng		-0.01
38) Acenaphthene-d10	9.88	164	407589	20.00	ng		-0.01
63) Phenanthrene-d10	11.35	188	570244	20.00	ng		-0.01
75) Chrysene-d12	13.98	240	347530	20.00	ng		-0.02
86) Perylene-d12	15.40	264	354420	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	78363	5.70	ng		-0.02
7) Phenol-d6	6.45	99	96689	5.69	ng		-0.03
23) Nitrobenzene-d5	7.38	82	50340	3.14	ng		-0.02
41) 2,4,6-Tribromophenol	10.65	330	10285	3.26	ng		-0.02
44) 2-Fluorobiphenyl	9.19	172	117243	4.84	ng		-0.02
78) Terphenyl-d14	12.94	244	64277	3.77	ng		-0.01
Target Compounds							Qvalue
18) Hexachloroethane	7.41	117	23716	3.82	ng	#	1
31) Naphthalene	8.16	128	5825817	137.99	ng		97
33) 4-Chloroaniline	8.16	127	849141	46.80	ng	#	35
37) 2-Methylnaphthalene	8.84	142	1582768	57.43	ng		99
45) 1,1'-Biphenyl	9.29	154	504827	15.24	ng		96
46) 2-Chloronaphthalene	9.37	162	82053	3.23	ng	#	50
48) Acenaphthylene	9.74	152	1561743	37.78	ng		98
51) Acenaphthene	9.91	154	528916	21.42	ng		96
54) Dibenzofuran	10.08	168	532734	16.03	ng	#	90
55) 4-Nitrophenol	9.91	139	12459	2.17	ng		86
56) 2,4-Dinitrotoluene	10.08	165	24462	3.03	ng	#	20
57) Fluorene	10.42	166	1534967	60.33	ng		100
65) n-Nitrosodiphenylamine	10.28	169	63198	3.32	ng		90
70) Phenanthrene	11.40	178	4224132	139.09	ng		100
71) Anthracene	11.43	178	1274765	40.77	ng		99
72) Carbazole	11.58	167	302494	9.77	ng		99
74) Fluoranthene	12.57	202	2202102	70.54	ng		96
77) Pyrene	12.80	202	2738377	94.68	ng		99
80) Benzo(a)anthracene	14.01	228	817245	37.54	ng		92
82) Chrysene	14.01	228	810826	37.28	ng	#	95
85) Indeno(1,2,3-cd)pyrene	16.76	276	291972	16.39	ng		96
87) Benzo(b)fluoranthene	15.00	252	1019846	42.68	ng	#	95
88) Benzo(k)fluoranthene	15.00	252	1019846	57.80	ng		99
89) Benzo(a)pyrene	15.34	252	748145	38.62	ng		97
90) Dibenzo(a,h)anthracene	16.77	278	88321	5.49	ng	#	87
91) Benzo(g,h,i)perylene	17.17	276	333144	20.86	ng		99

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

Quantitation Report (Not Reviewed)

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Data File : BF093781.D
Acq On : 20 Mar 2017 23:05
Operator : SJ/MA
Sample : I2318-03 20X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Quant Time: Mar 21 01:07:05 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
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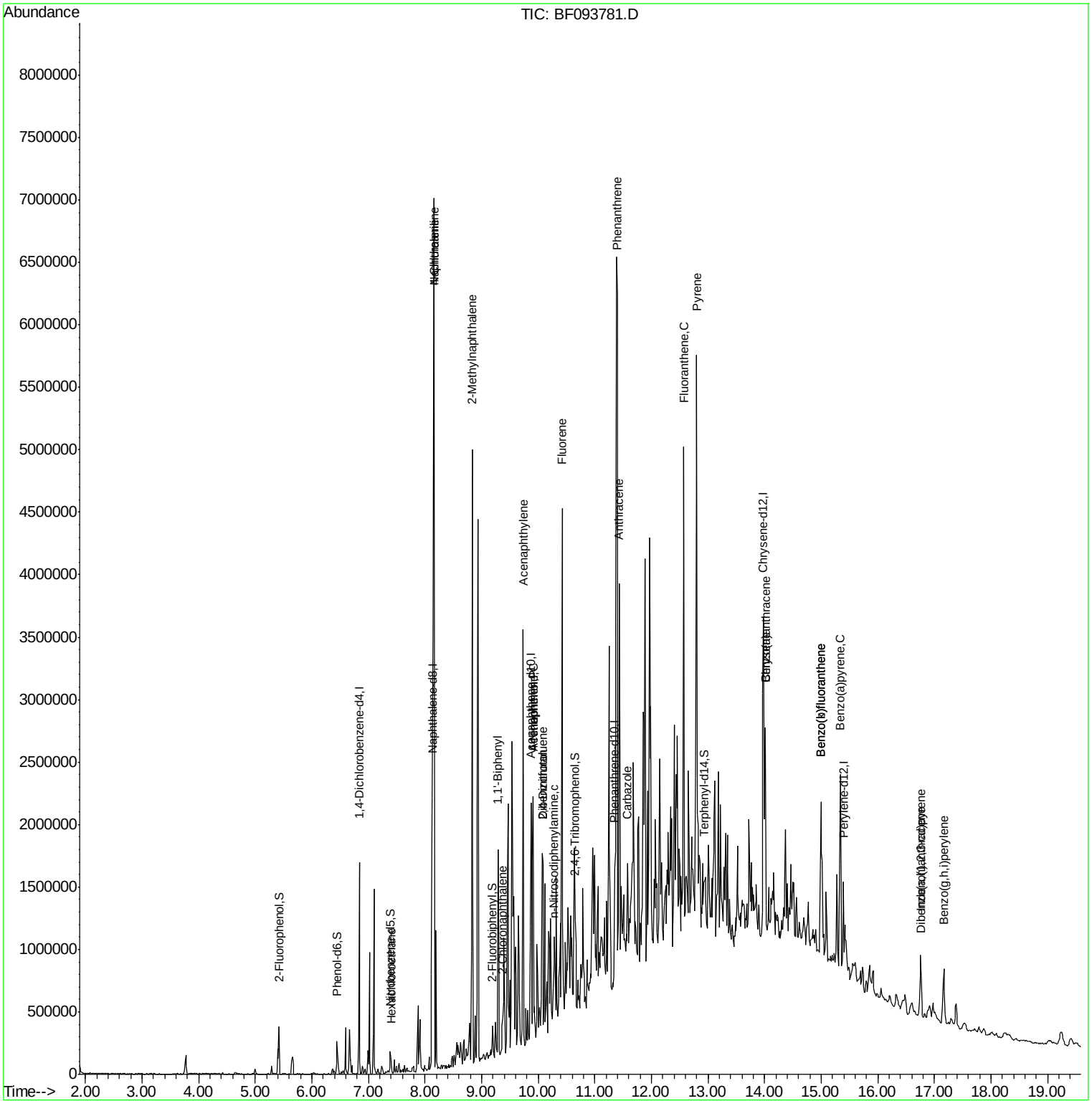
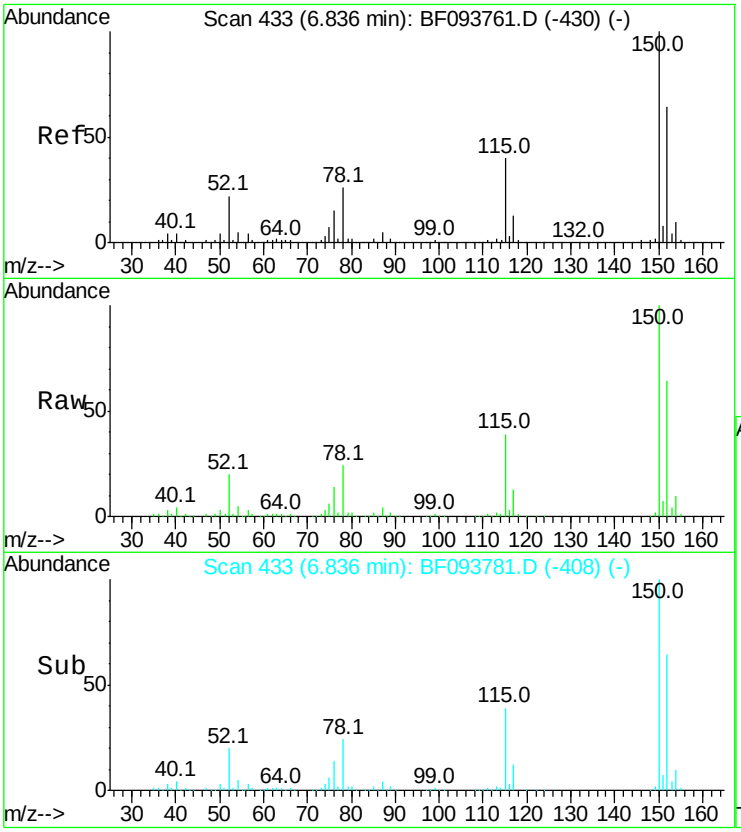


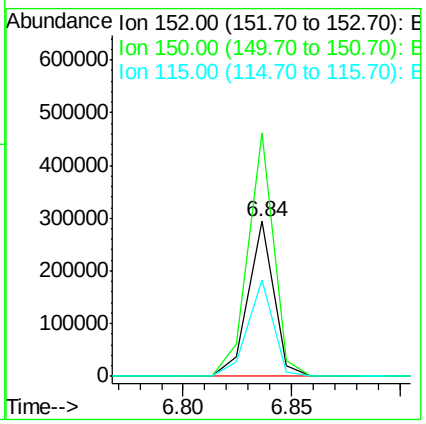


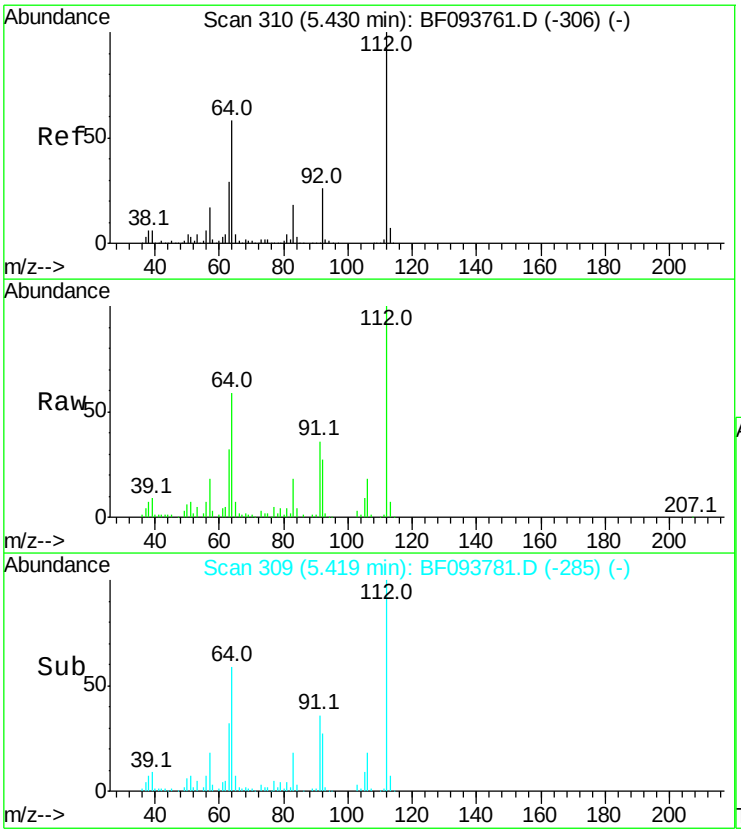
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 433
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:152 Resp: 240437

Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	61.9	52.2	78.2

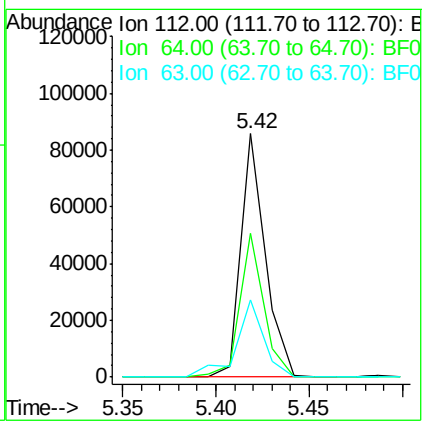


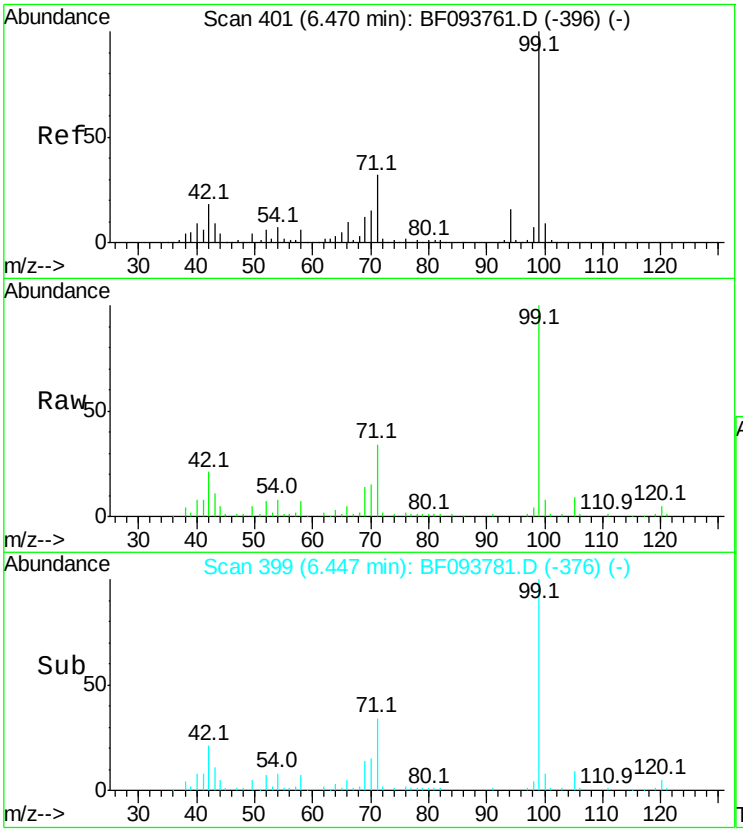


#5
2-Fluorophenol
Concen: 5.70 ng
RT: 5.42 min Scan# 309
Delta R.T. -0.02 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:112 Resp: 78363

Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.0	69.0
63	31.7	23.4	35.0



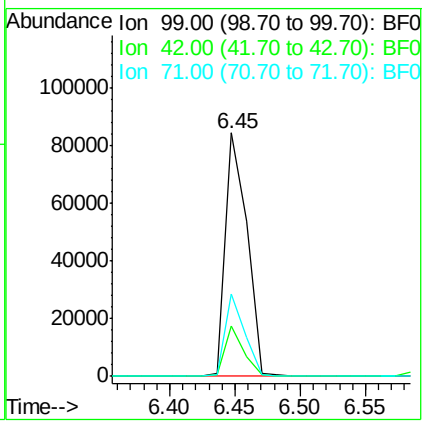


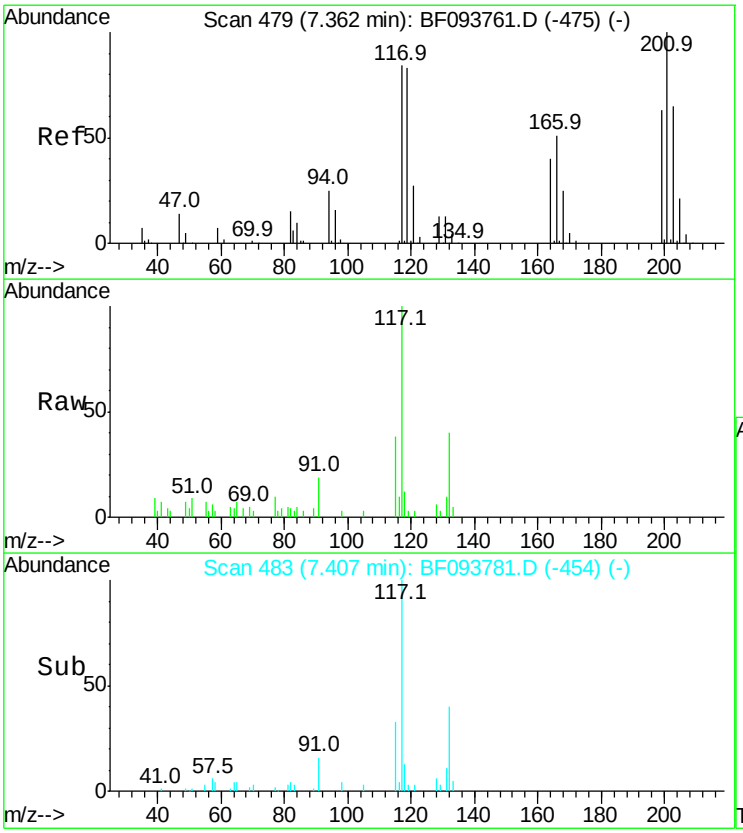
#7
Phenol-d6
Concen: 5.69 ng
RT: 6.45 min Scan# 399
Delta R.T. -0.03 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion: 99 Resp: 96689

Ion	Ratio	Lower	Upper
99	100		
42	20.7	13.5	20.3#
71	33.7	24.5	36.7

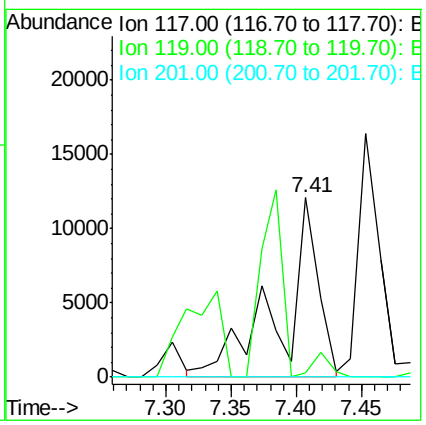


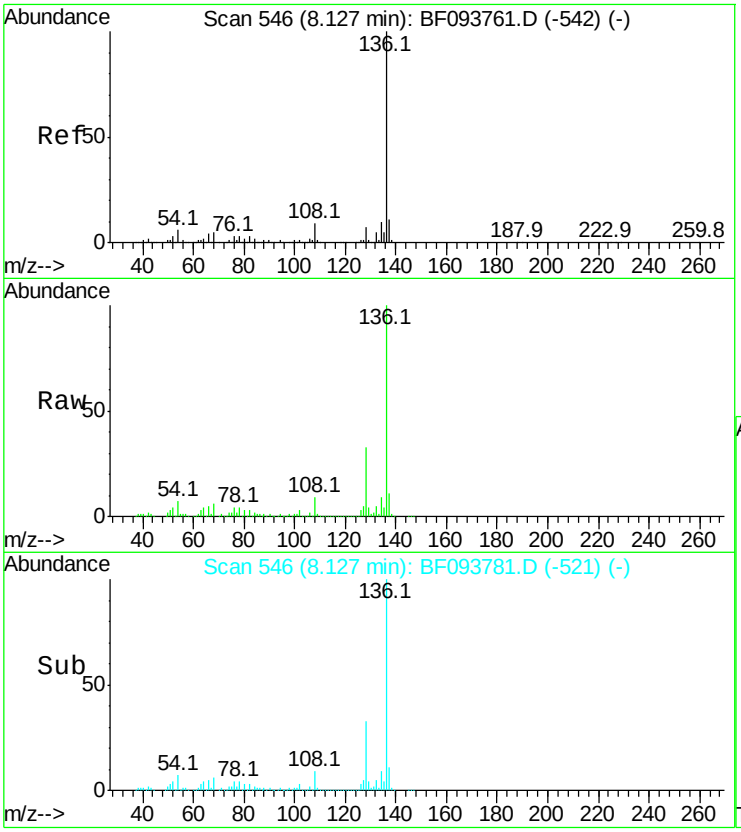


#18
Hexachloroethane
Concen: 3.82 ng
RT: 7.41 min Scan# 483
Delta R.T. 0.03 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:117 Resp: 23716

Ion	Ratio	Lower	Upper
117	100		
119	2.7	77.4	116.0#
201	0.0	94.6	141.8#



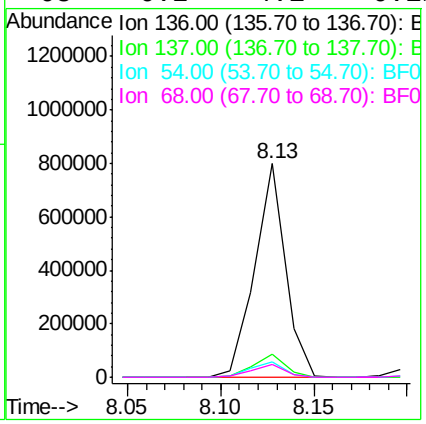


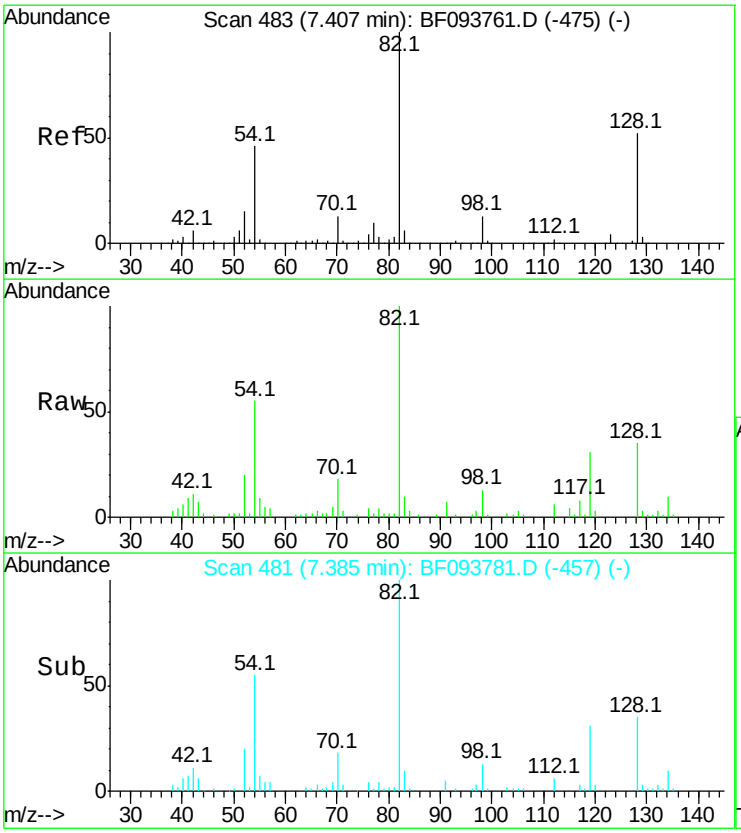
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:136 Resp: 909567

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.5	4.9	7.3#
68	6.2	4.1	6.1#

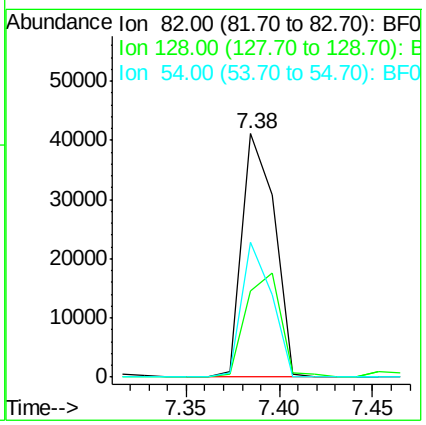


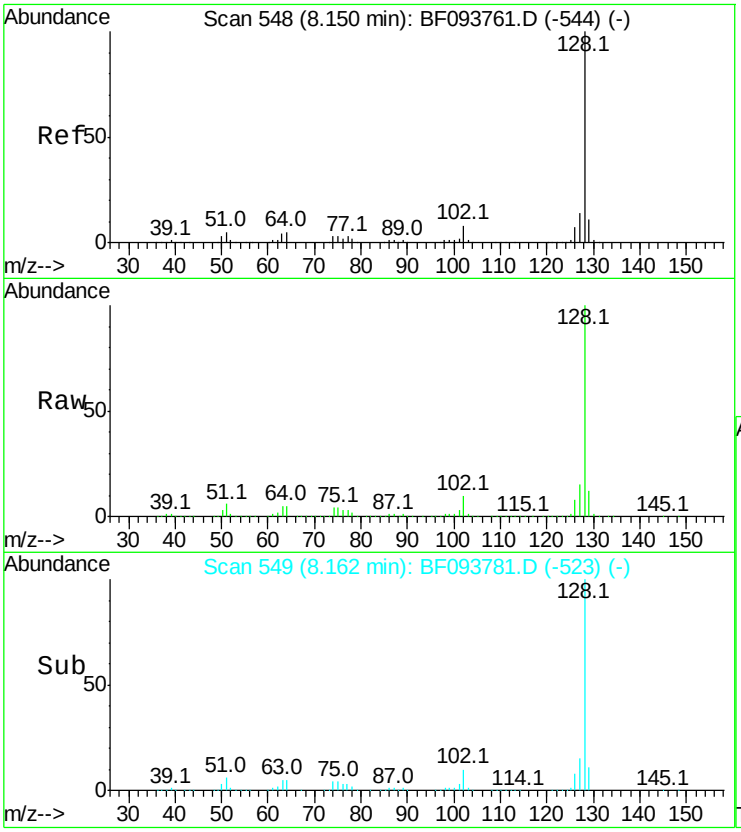


#23
Nitrobenzene-d5
Concen: 3.14 ng
RT: 7.38 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion: 82 Resp: 50340

Ion	Ratio	Lower	Upper
82	100		
128	35.2	34.0	51.0
54	55.4	42.2	63.2



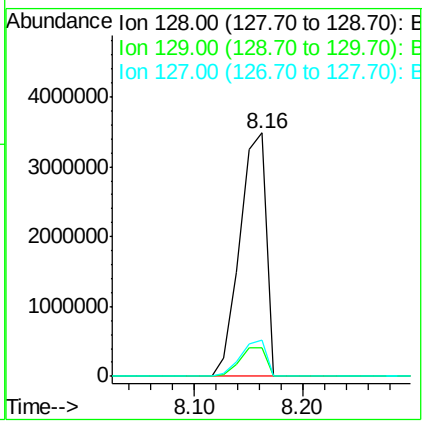


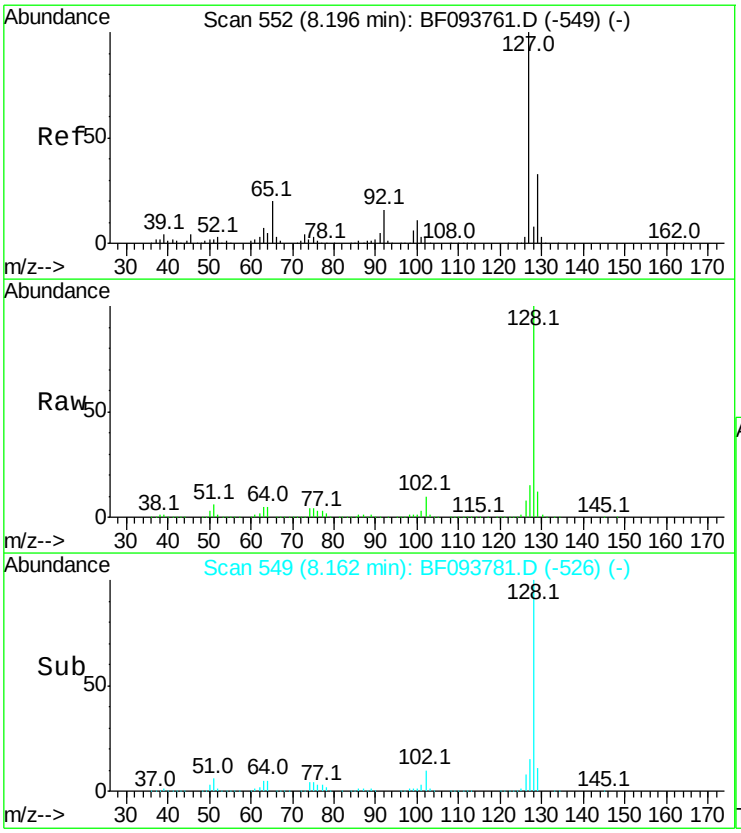
#31
Naphthalene
Concen: 137.99 ng
RT: 8.16 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:128 Resp: 5825817

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.0	13.6
127	15.0	10.8	16.2

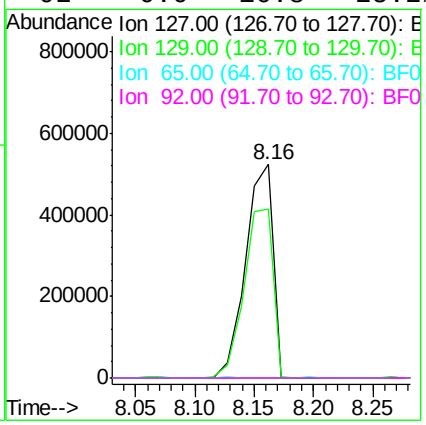


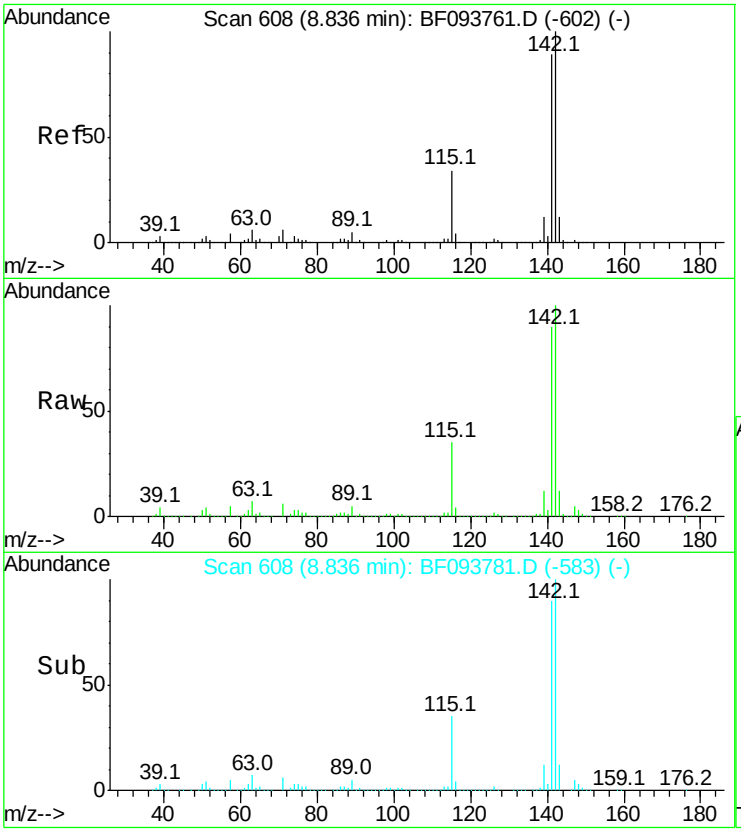


#33
4-Chloroaniline
Concen: 46.80 ng
RT: 8.16 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:127 Resp: 849141

Ion	Ratio	Lower	Upper
127	100		
129	79.2	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



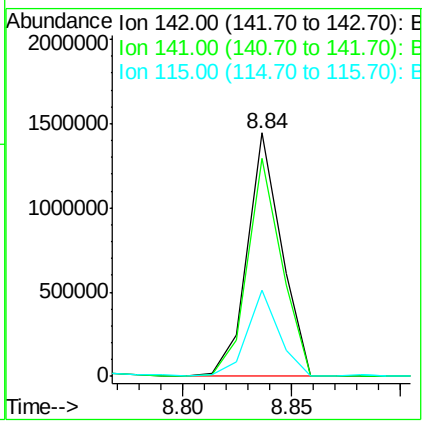


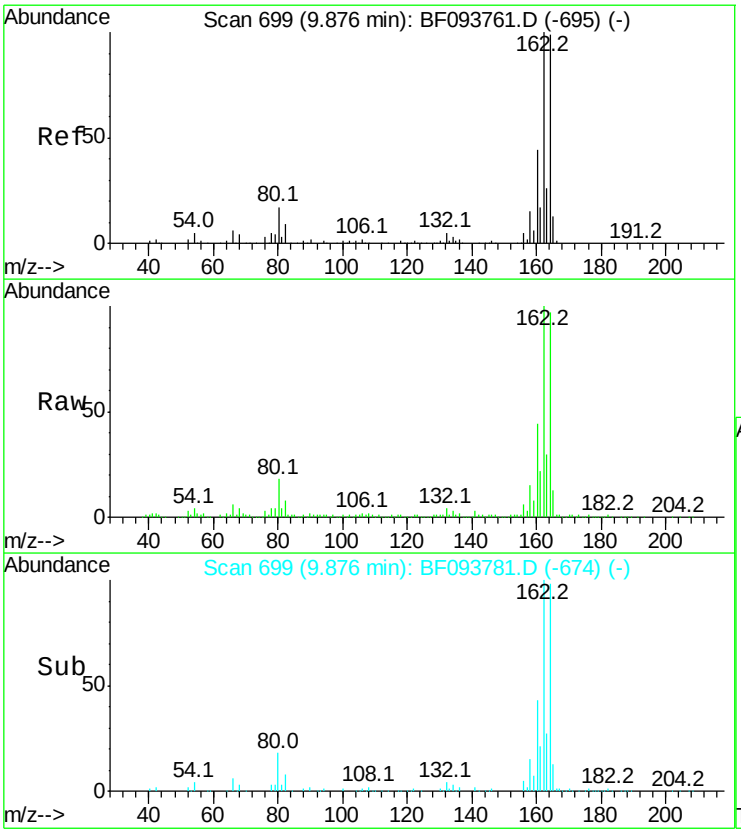
#37
2-Methylnaphthalene
Concen: 57.43 ng
RT: 8.84 min Scan# 608
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:142 Resp: 1582768

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.3	106.9
115	35.4	27.1	40.7

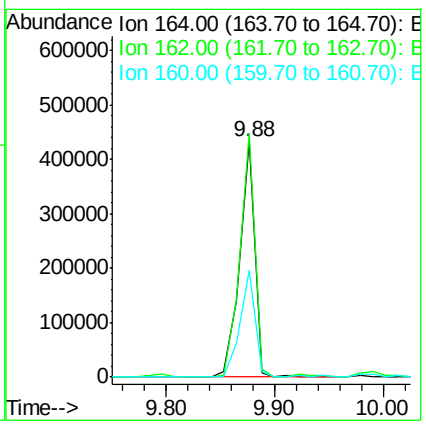


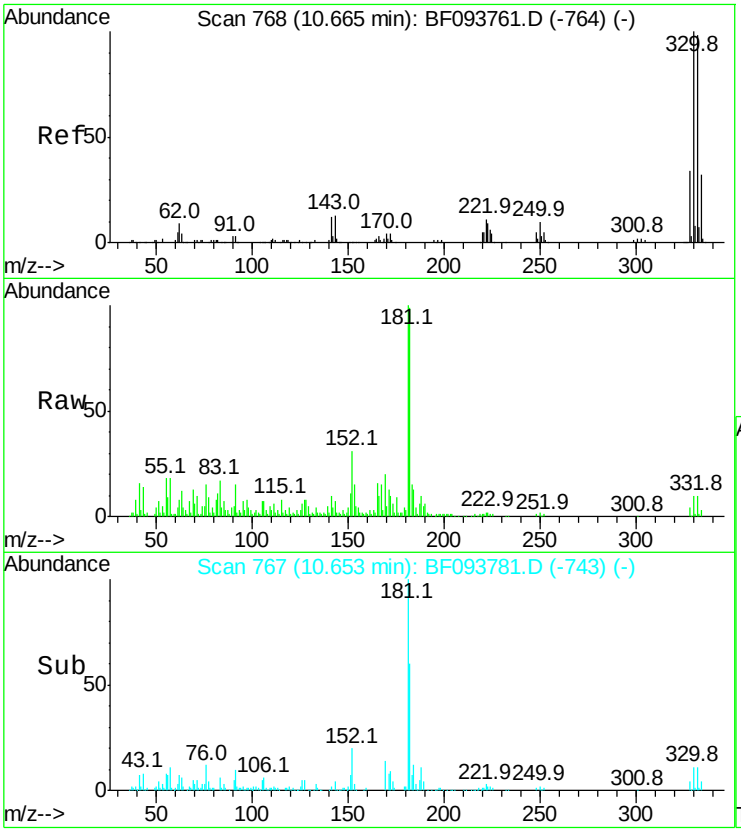


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:164 Resp: 407589

Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.6	123.8
160	45.1	36.2	54.2



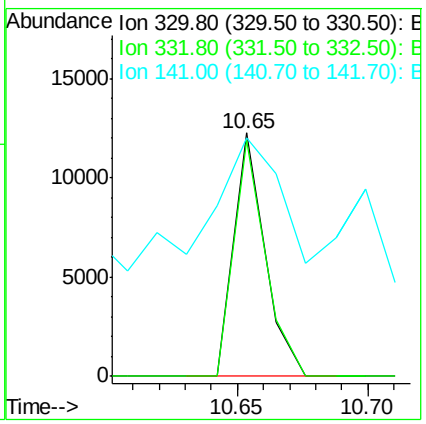


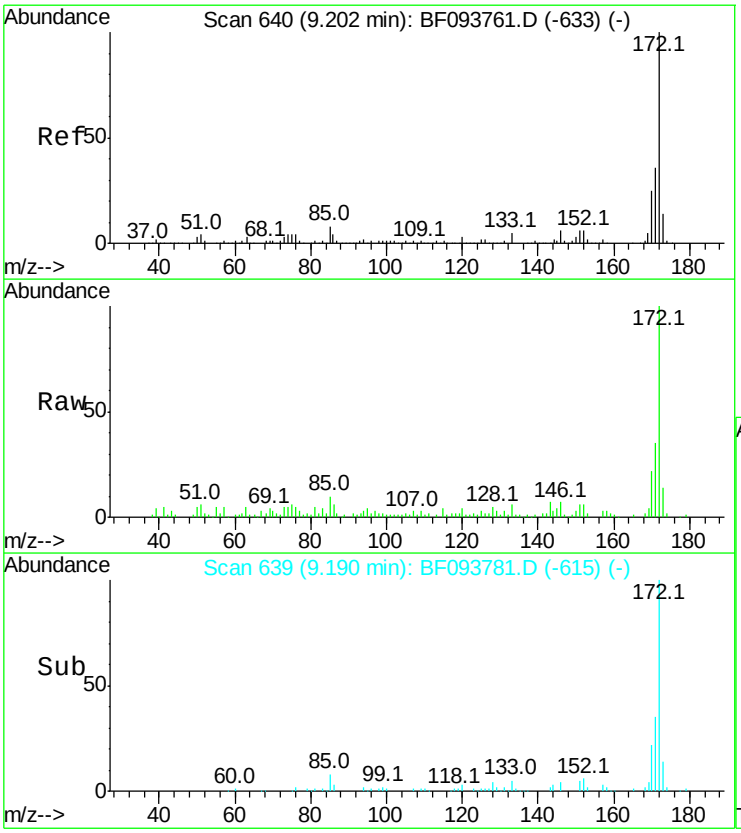
#41
2,4,6-Tribromophenol
Concen: 3.26 ng
RT: 10.65 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:330 Resp: 10285

Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.6	115.0
141	130.6	31.4	47.2#

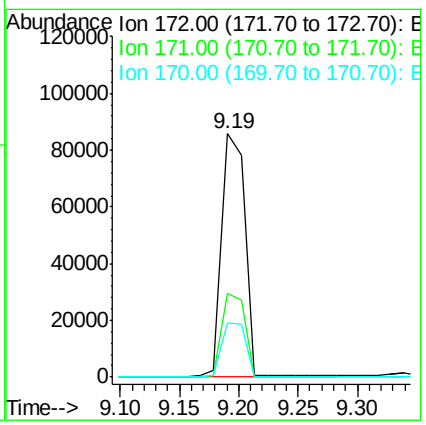


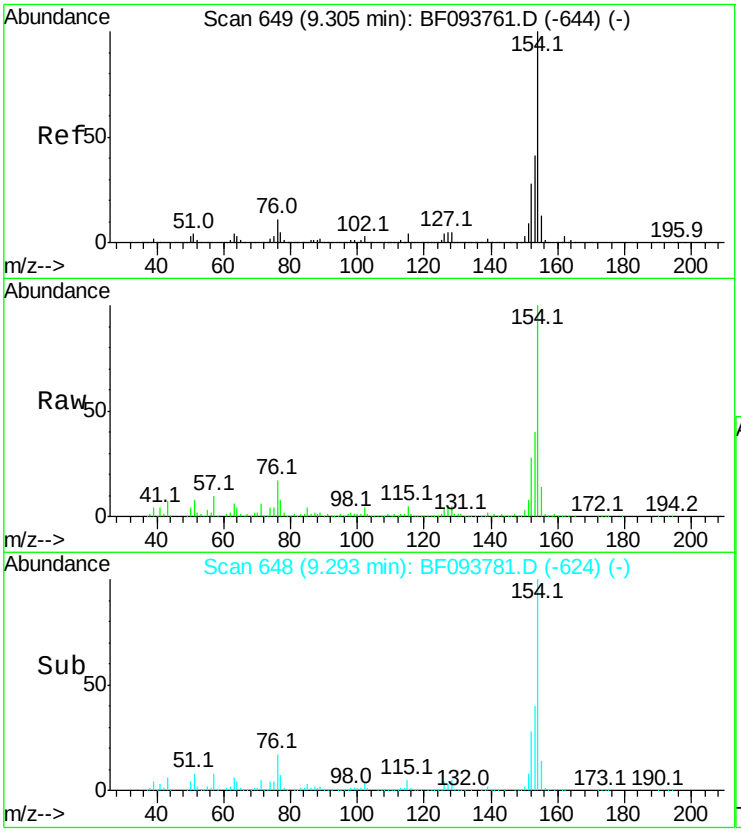


#44
2-Fluorobiphenyl
Concen: 4.84 ng
RT: 9.19 min Scan# 639
Delta R.T. -0.02 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:172 Resp: 117243

Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.6	44.4
170	22.1	19.8	29.8



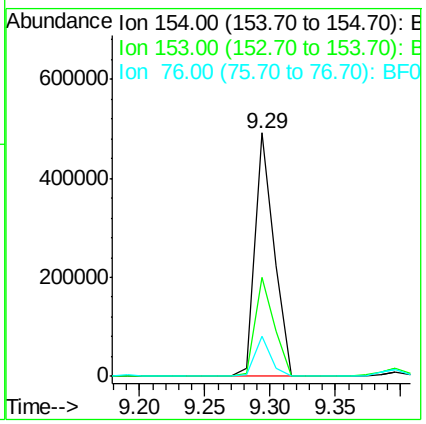


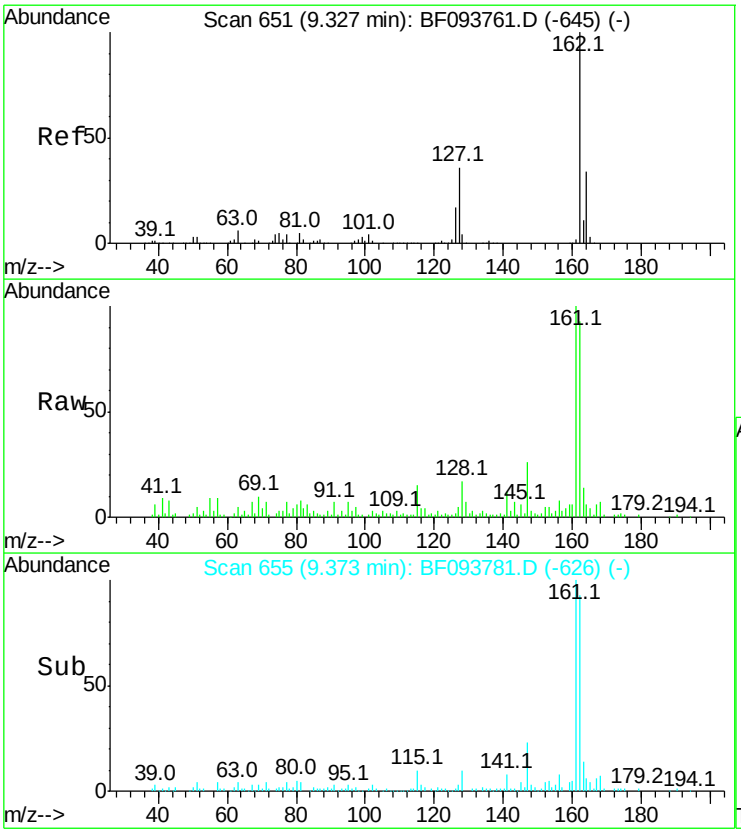
#45
1,1'-Biphenyl
Concen: 15.24 ng
RT: 9.29 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:154 Resp: 504827

Ion	Ratio	Lower	Upper
154	100		
153	40.4	21.2	61.2
76	16.6	0.0	29.9

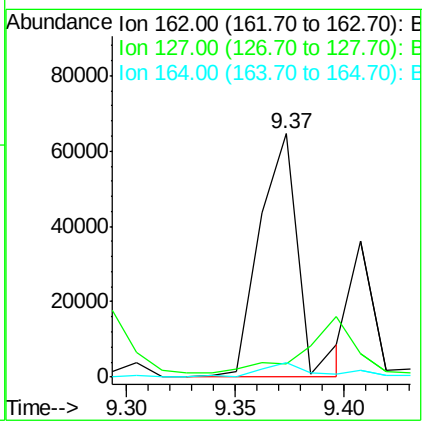


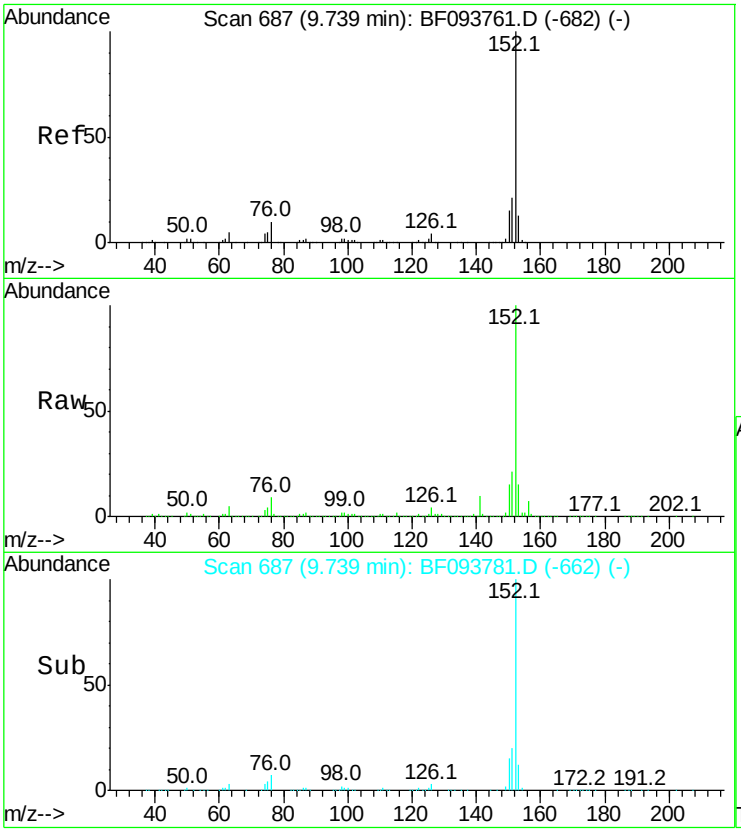


#46
2-Chloronaphthalene
Concen: 3.23 ng
RT: 9.37 min Scan# 655
Delta R.T. 0.03 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:162 Resp: 82053

Ion	Ratio	Lower	Upper
162	100		
127	5.4	28.3	42.5#
164	6.0	27.0	40.4#



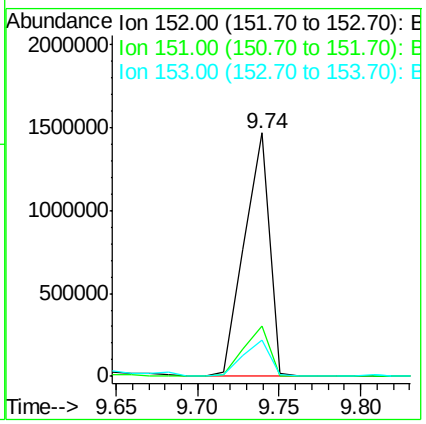


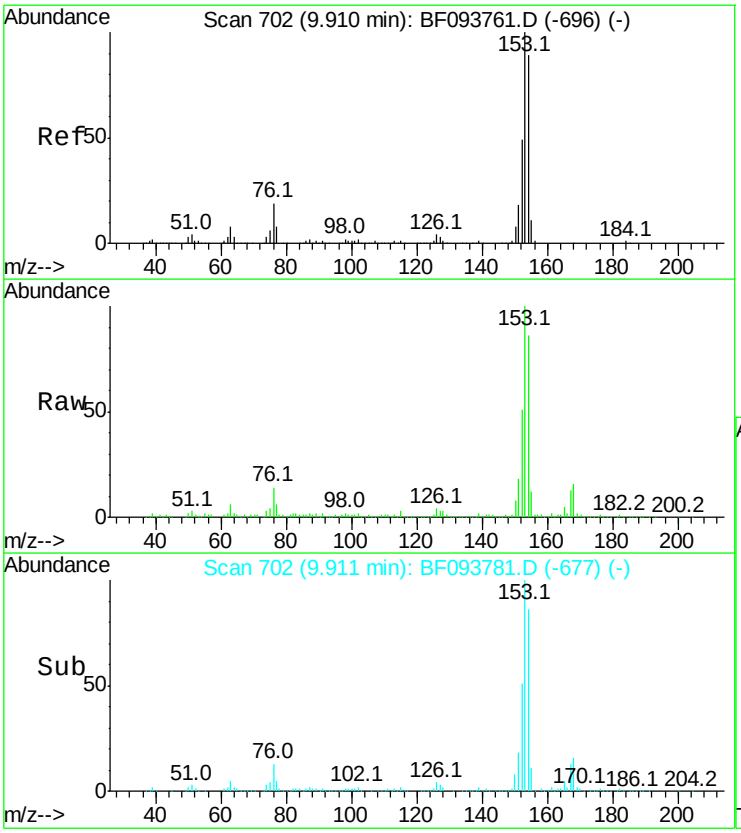
#48
Acenaphthylene
Concen: 37.78 ng
RT: 9.74 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:152 Resp: 1561743

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.8	25.2
153	14.7	10.8	16.2

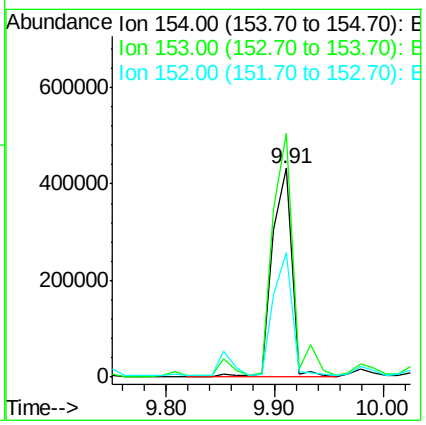


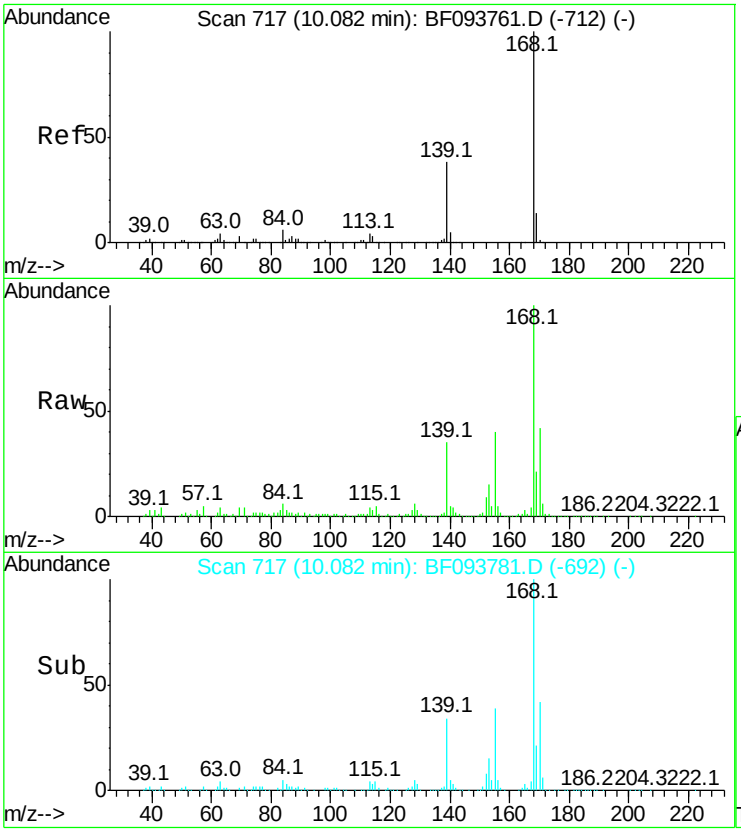


#51
Acenaphthene
Concen: 21.42 ng
RT: 9.91 min Scan# 702
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:154 Resp: 528916

Ion	Ratio	Lower	Upper
154	100		
153	116.6	90.5	135.7
152	59.5	43.6	65.4



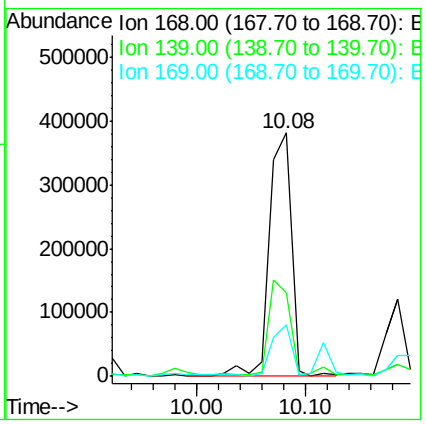


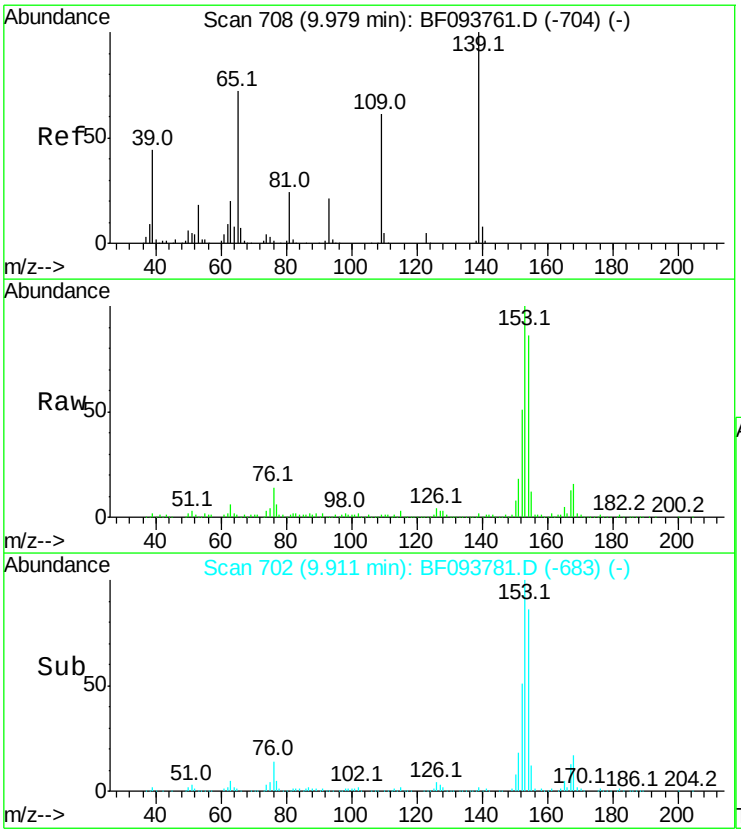
#54
Dibenzofuran
Concen: 16.03 ng
RT: 10.08 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:168 Resp: 532734

Ion	Ratio	Lower	Upper
168	100		
139	34.6	30.6	45.8
169	21.5	10.8	16.2#

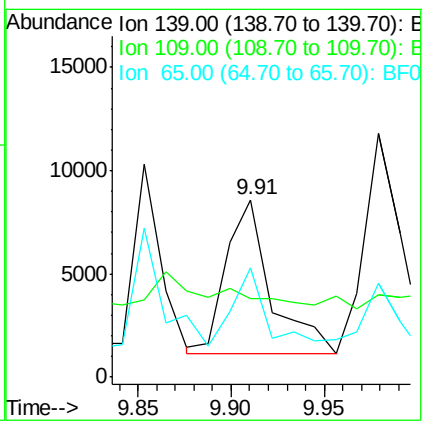


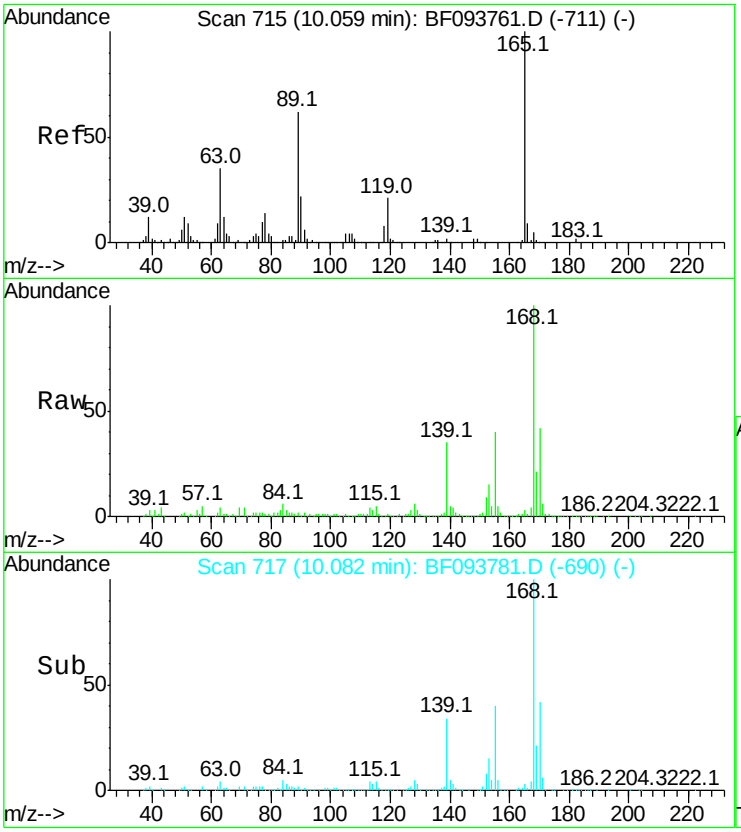


#55
4-Nitrophenol
Concen: 2.17 ng
RT: 9.91 min Scan# 702
Delta R.T. -0.08 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:139 Resp: 12459

Ion	Ratio	Lower	Upper
139	100		
109	44.1	34.1	74.1
65	61.4	31.4	71.4



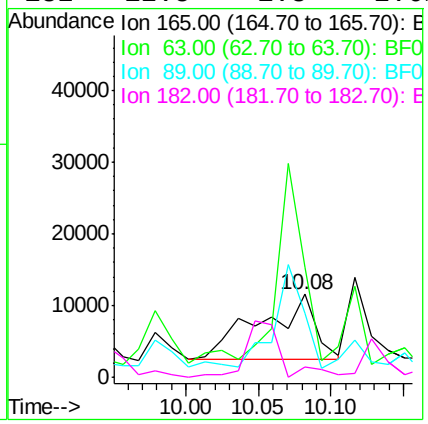


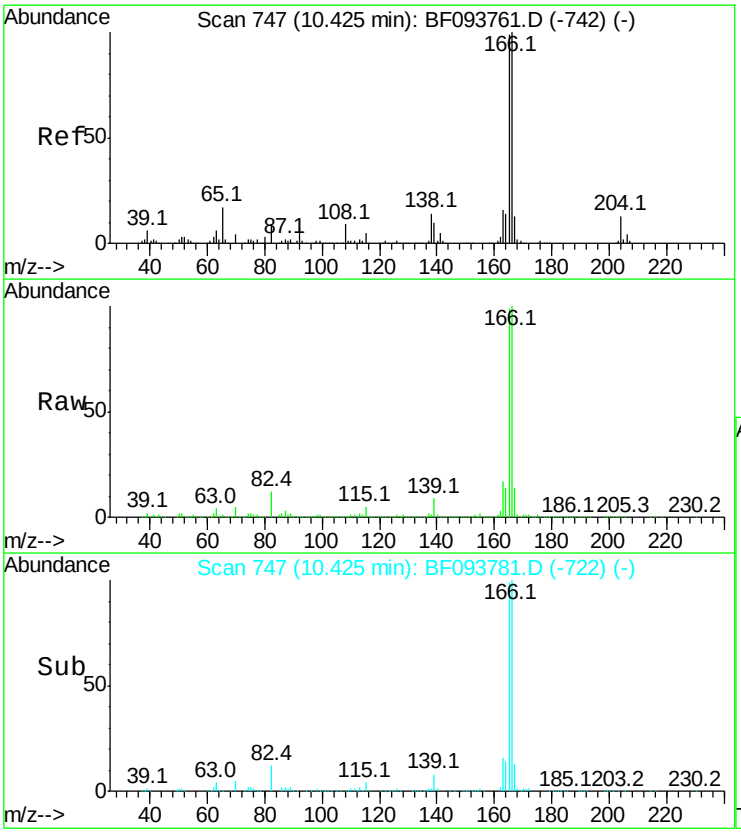
#56
2,4-Dinitrotoluene
Concen: 3.03 ng
RT: 10.08 min Scan# 717
Delta R.T. 0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:165 Resp: 24462

Ion	Ratio	Lower	Upper
165	100		
63	133.0	25.4	38.0#
89	77.4	46.4	69.6#
182	12.5	1.8	2.6#

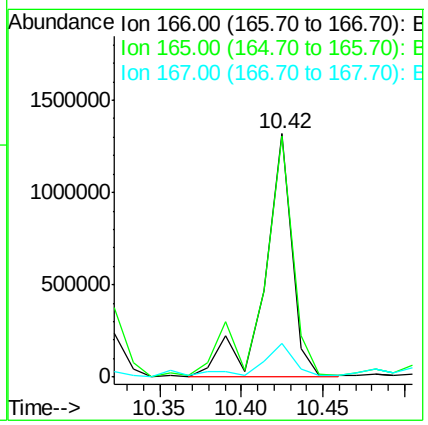


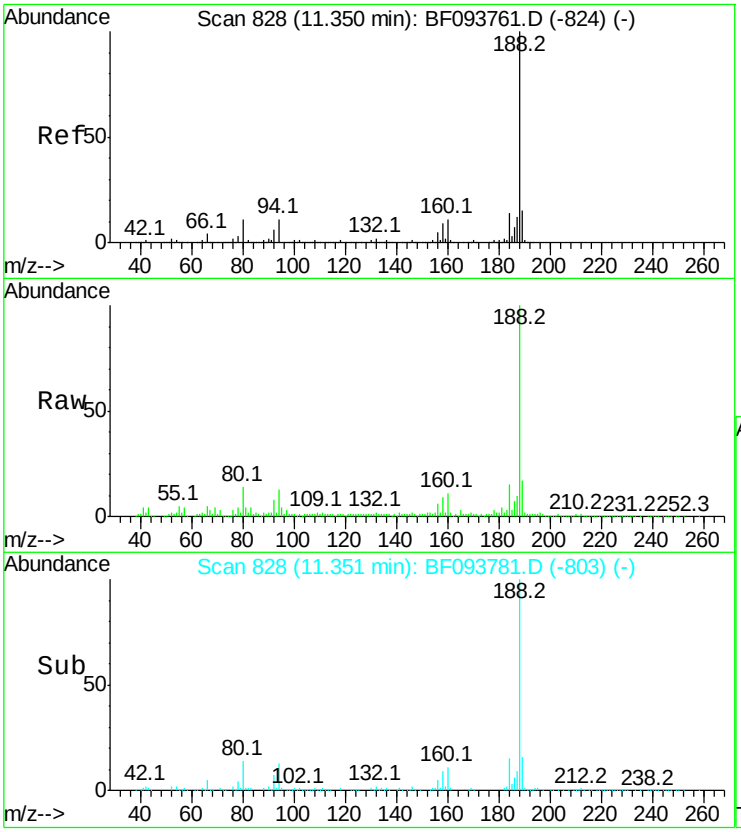


#57
Fluorene
Concen: 60.33 ng
RT: 10.42 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:166 Resp: 1534967

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.8	118.2
167	13.8	10.6	16.0



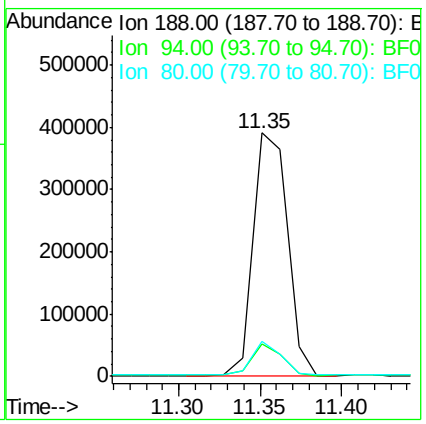


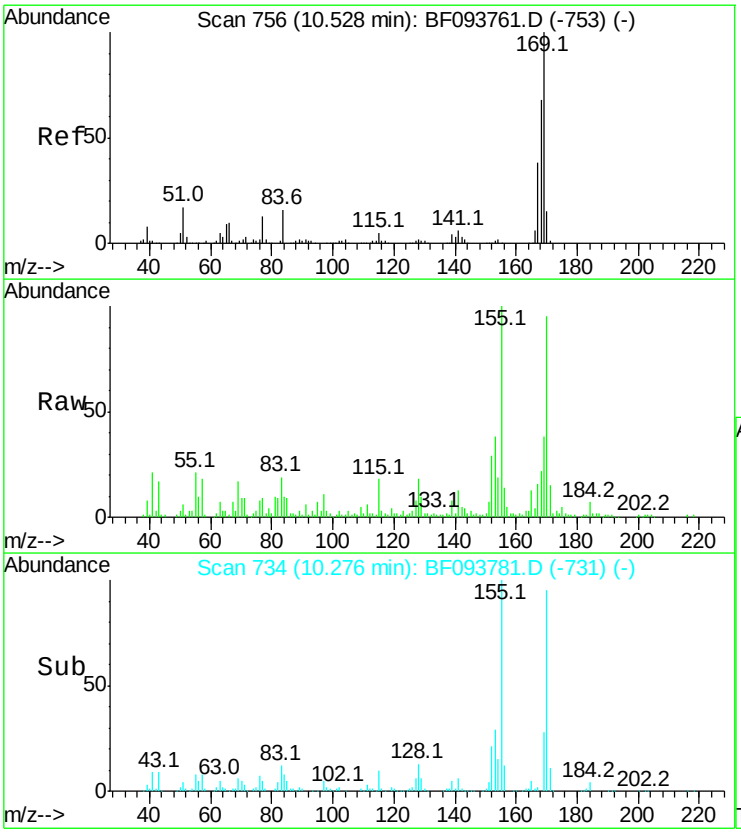
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:188 Resp: 570244

Ion	Ratio	Lower	Upper
188	100		
94	13.3	9.4	14.2
80	14.2	10.2	15.2

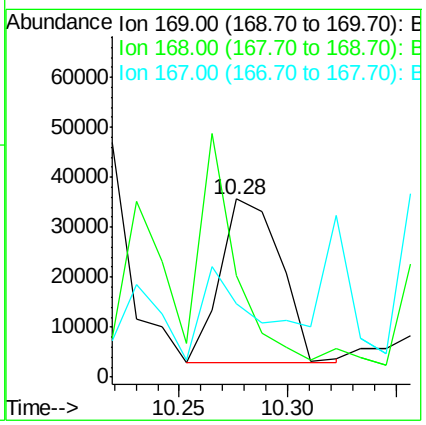


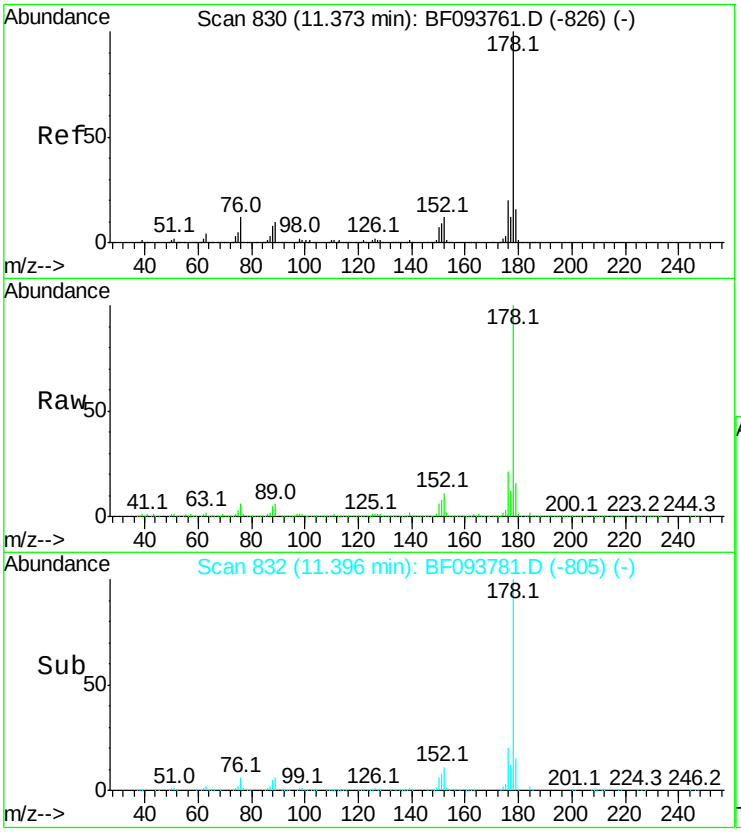


#65
n-Nitrosodiphenylamine
Concen: 3.32 ng
RT: 10.28 min Scan# 734
Delta R.T. -0.26 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:169 Resp: 63198

Ion	Ratio	Lower	Upper
169	100		
168	57.1	53.2	79.8
167	41.1	29.5	44.3



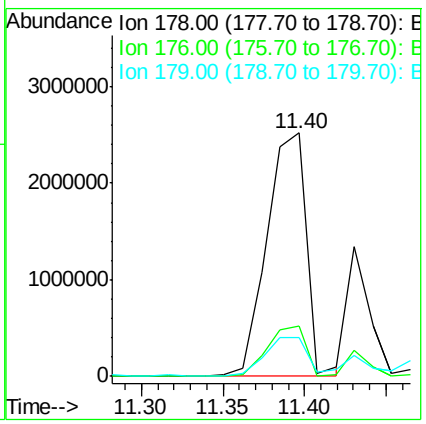


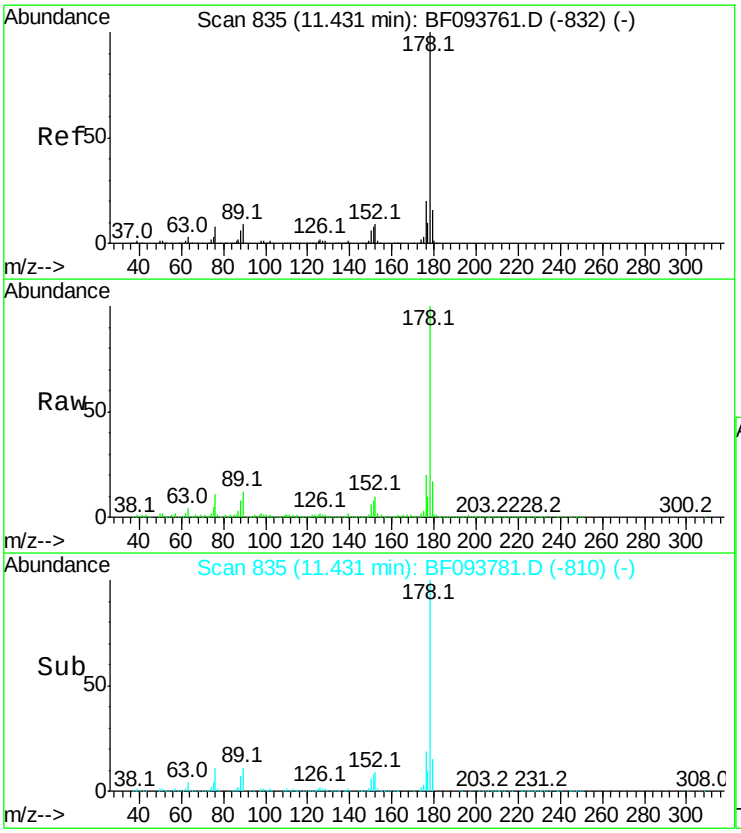
#70
Phenanthrene
Concen: 139.09 ng
RT: 11.40 min Scan# 832
Delta R.T. 0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:178 Resp: 4224132

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

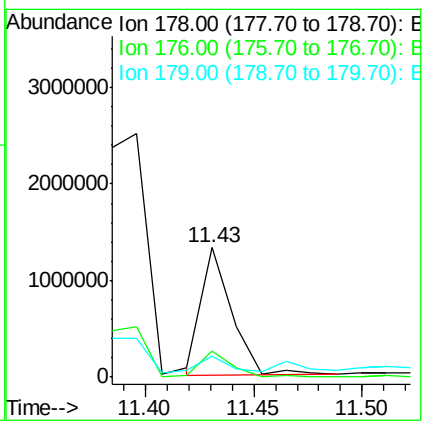


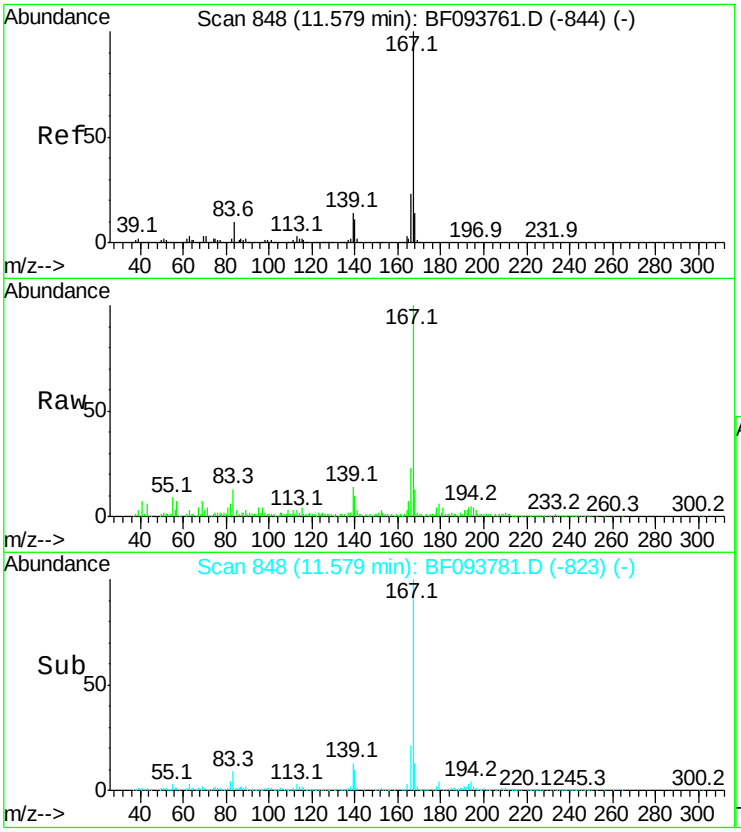


#71
Anthracene
Concen: 40.77 ng
RT: 11.43 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:178 Resp: 1274765

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	16.5	12.7	19.1



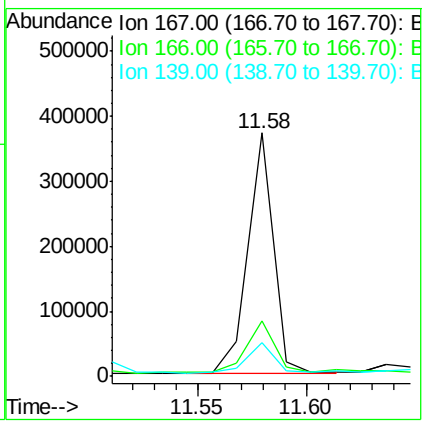


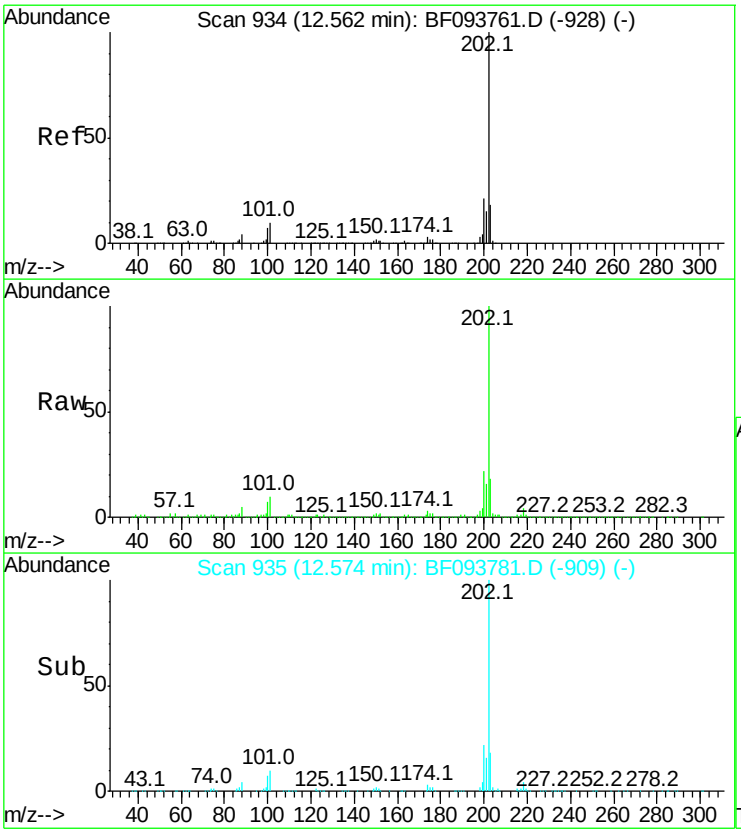
#72
Carbazole
Concen: 9.77 ng
RT: 11.58 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:167 Resp: 302494

Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.1	27.1
139	13.7	11.7	17.5

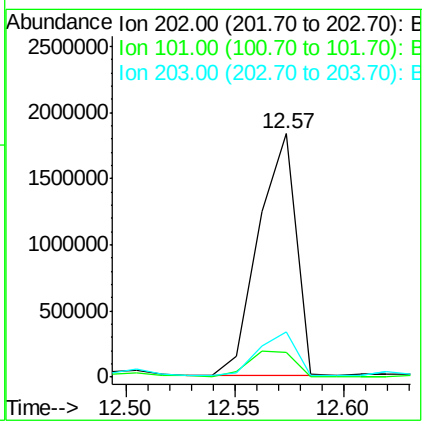


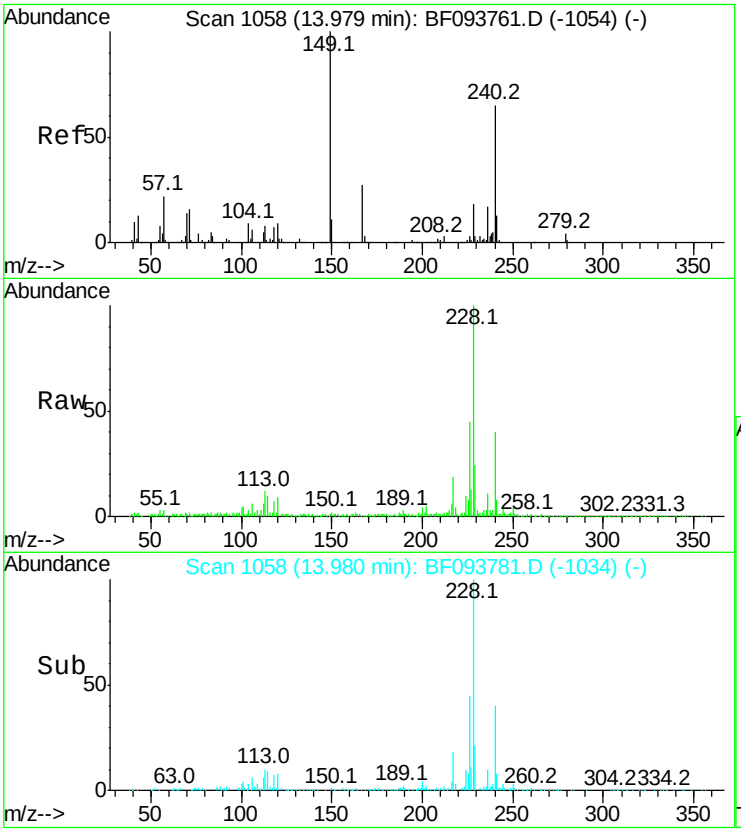


#74
Fluoranthene
Concen: 70.54 ng
RT: 12.57 min Scan# 935
Delta R.T. 0.00 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:202 Resp: 2202102

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	33.2
203	18.4	0.0	38.1



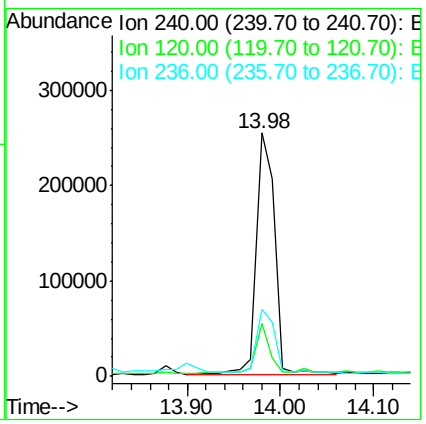


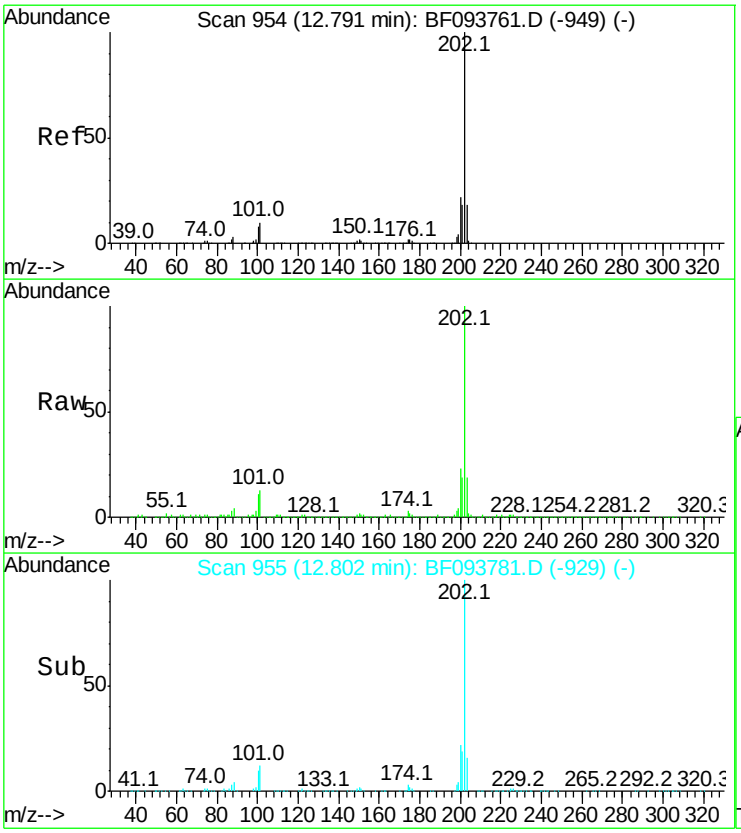
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 1058
Delta R.T. -0.02 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:240 Resp: 347530

Ion	Ratio	Lower	Upper
240	100		
120	21.5	5.8	8.8#
236	27.4	20.5	30.7

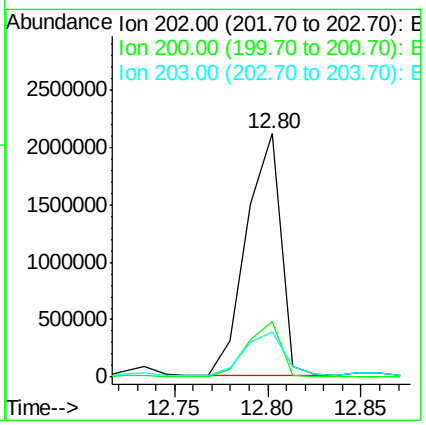


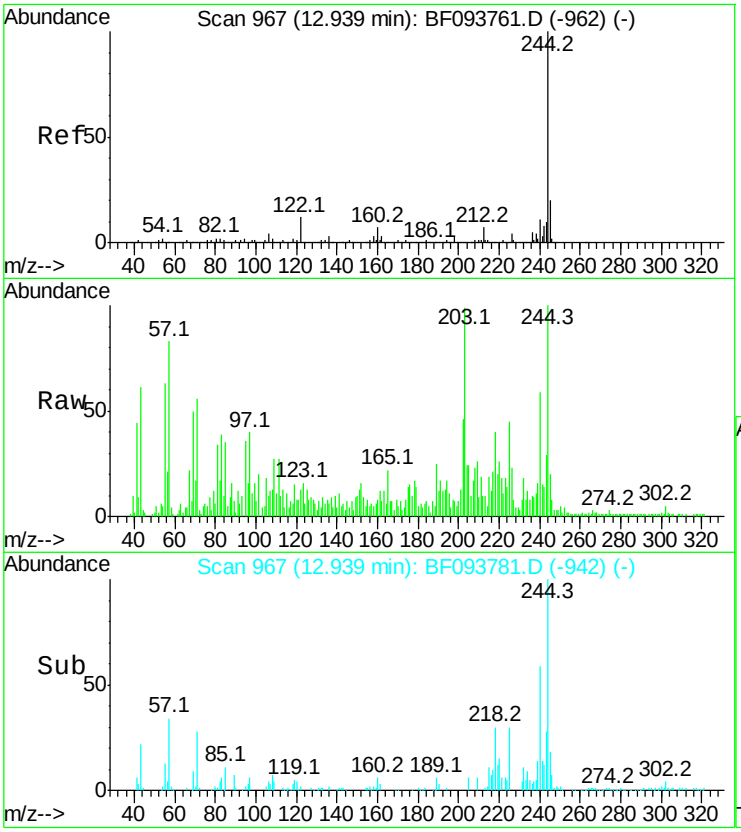


#77
Pyrene
Concen: 94.68 ng
RT: 12.80 min Scan# 955
Delta R.T. 0.00 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:202 Resp: 2738377

Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.6	26.4
203	18.6	14.4	21.6



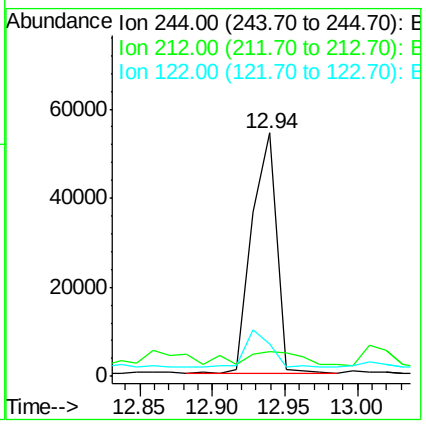


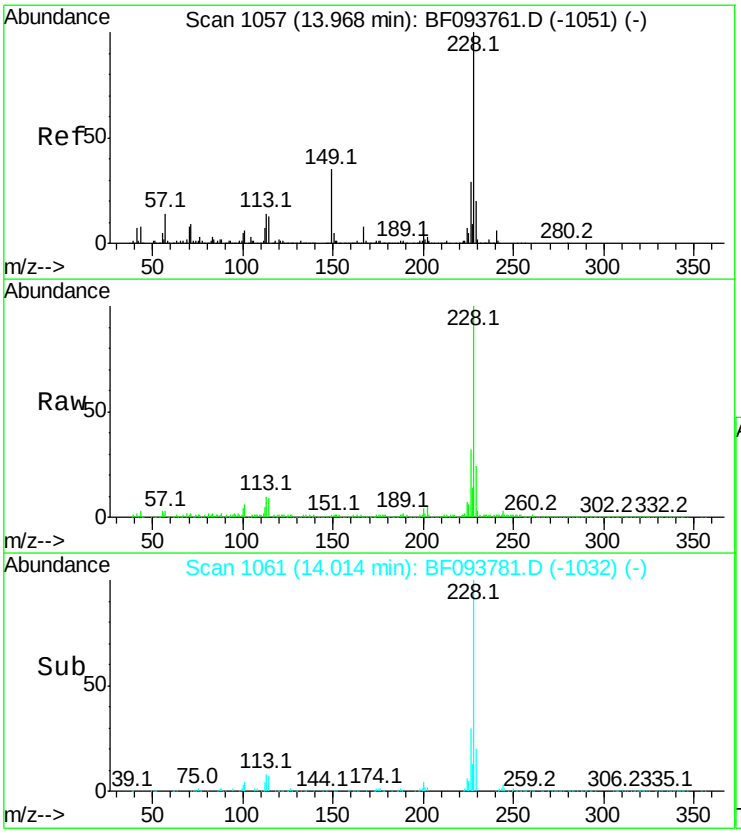
#78
Terphenyl-d14
Concen: 3.77 ng
RT: 12.94 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:244 Resp: 64277

Ion	Ratio	Lower	Upper
244	100		
212	10.4	6.0	9.0#
122	13.4	10.3	15.5

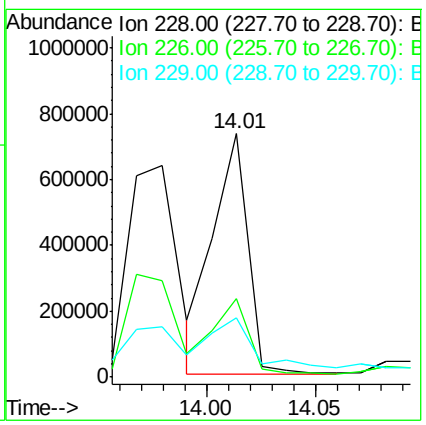


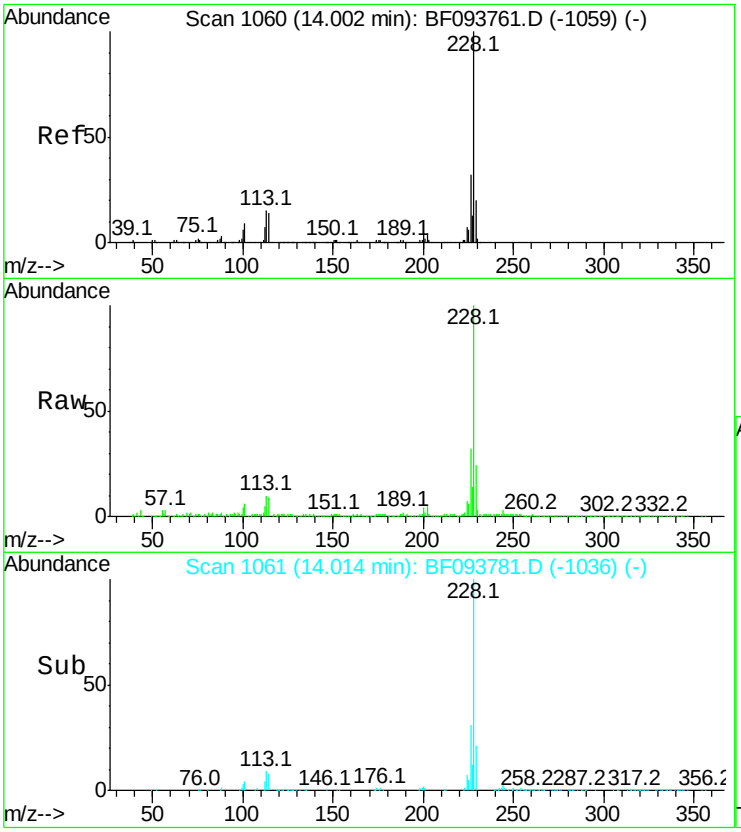


#80
Benzo(a)anthracene
Concen: 37.54 ng
RT: 14.01 min Scan# 1061
Delta R.T. 0.03 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:228 Resp: 817245

Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.6	33.8
229	24.2	16.3	24.5



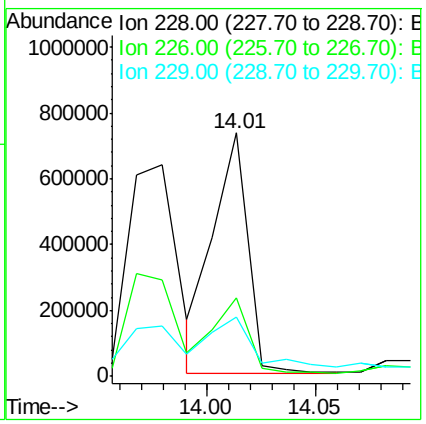


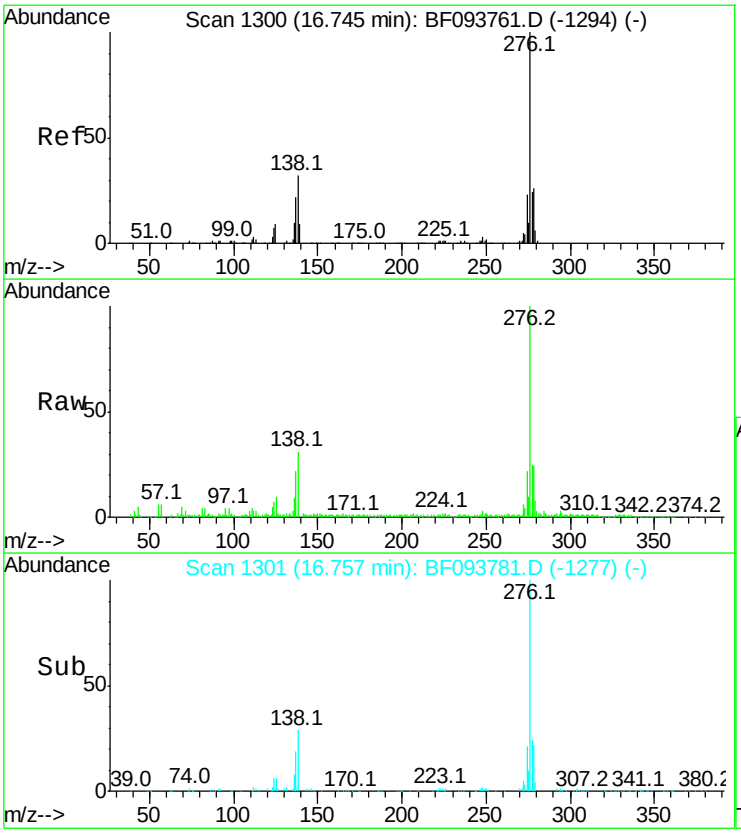
#82
Chrysene
Concen: 37.28 ng
RT: 14.01 min Scan# 1061
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:228 Resp: 810826

Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.9	37.3
229	24.2	15.8	23.6#

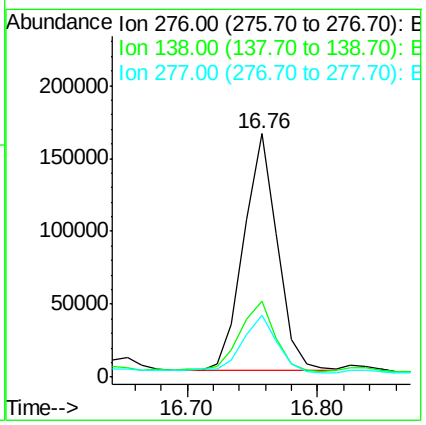


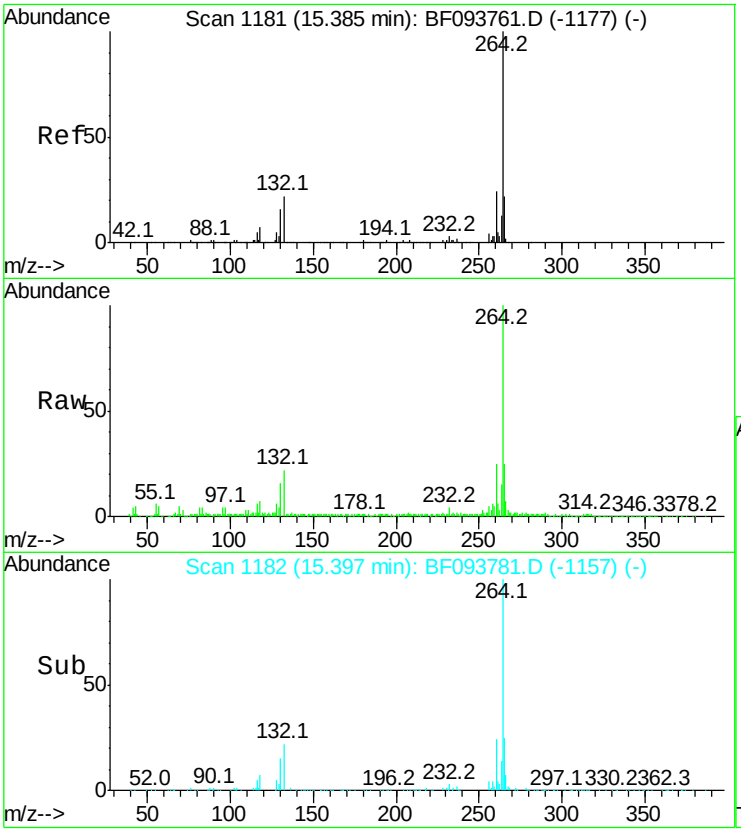


#85
Indeno(1,2,3-cd)pyrene
Concen: 16.39 ng
RT: 16.76 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:276 Resp: 291972

Ion	Ratio	Lower	Upper
276	100		
138	31.5	27.8	41.6
277	25.9	20.2	30.4



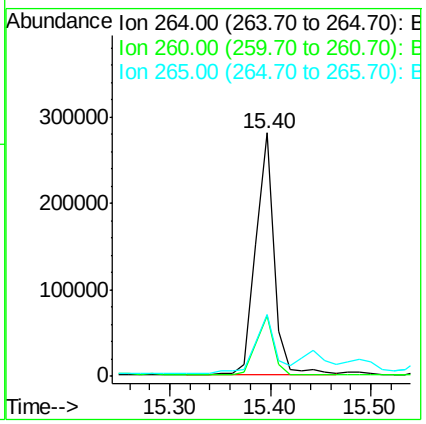


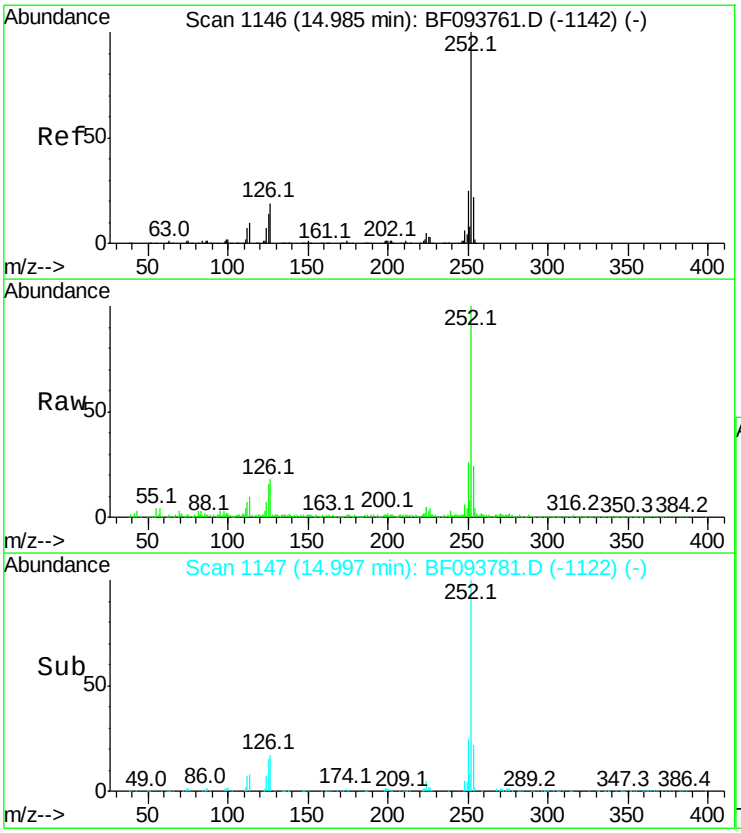
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:264 Resp: 354420

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	25.5	17.2	25.8

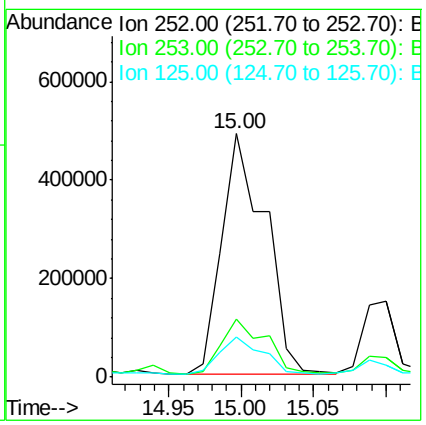


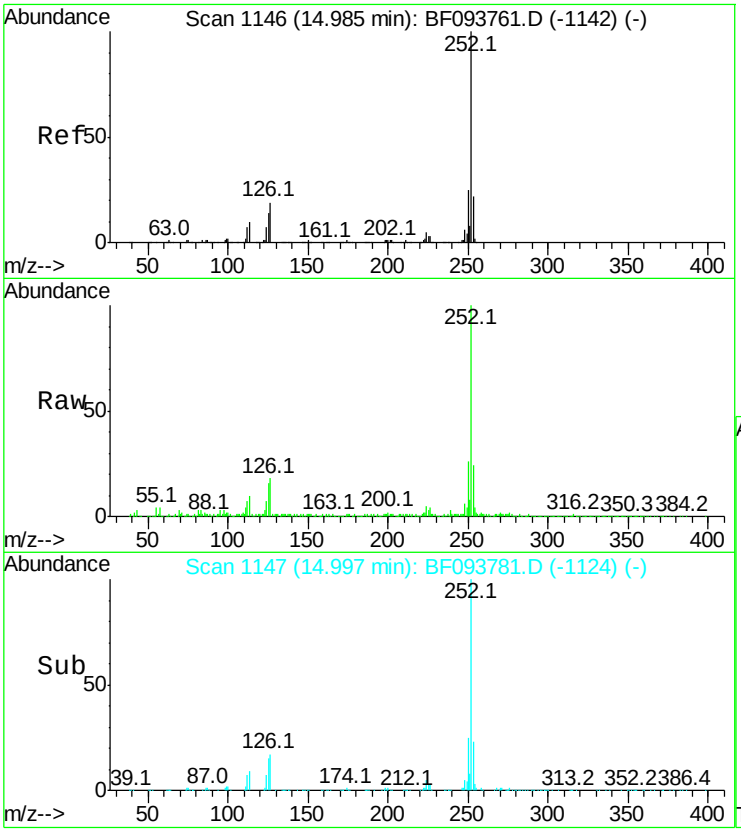


#87
Benzo(b)fluoranthene
Concen: 42.68 ng
RT: 15.00 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:252 Resp: 1019846

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	16.3	9.8	14.8#



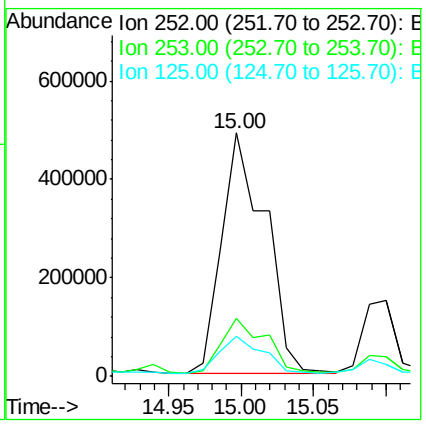


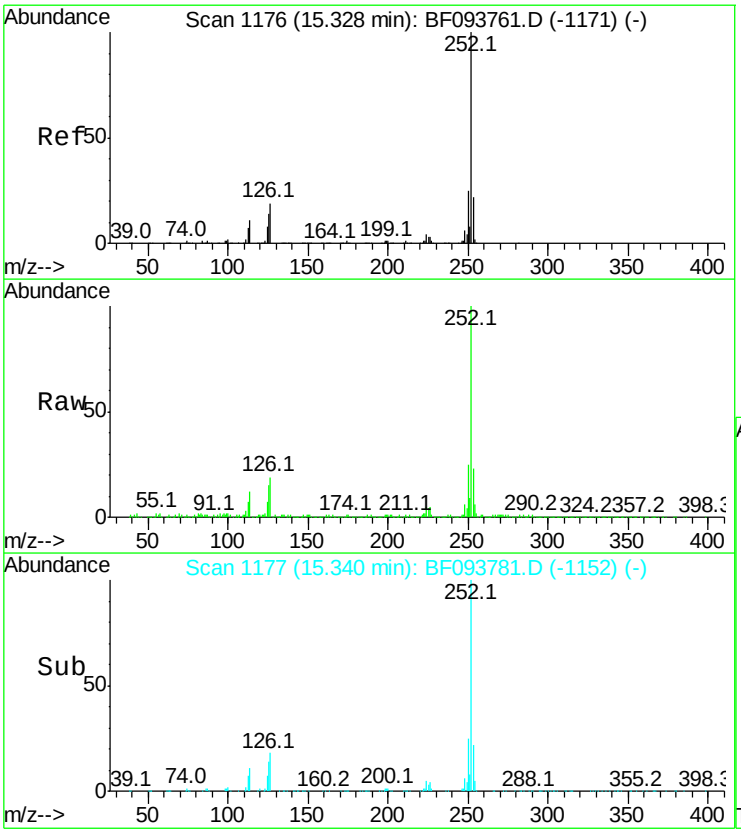
#88
Benzo(k)fluoranthene
Concen: 57.80 ng
RT: 15.00 min Scan# 1147
Delta R.T. -0.03 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:252 Resp: 1019846

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	16.3	13.1	19.7

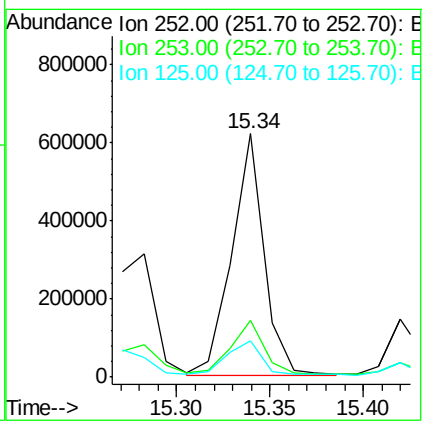


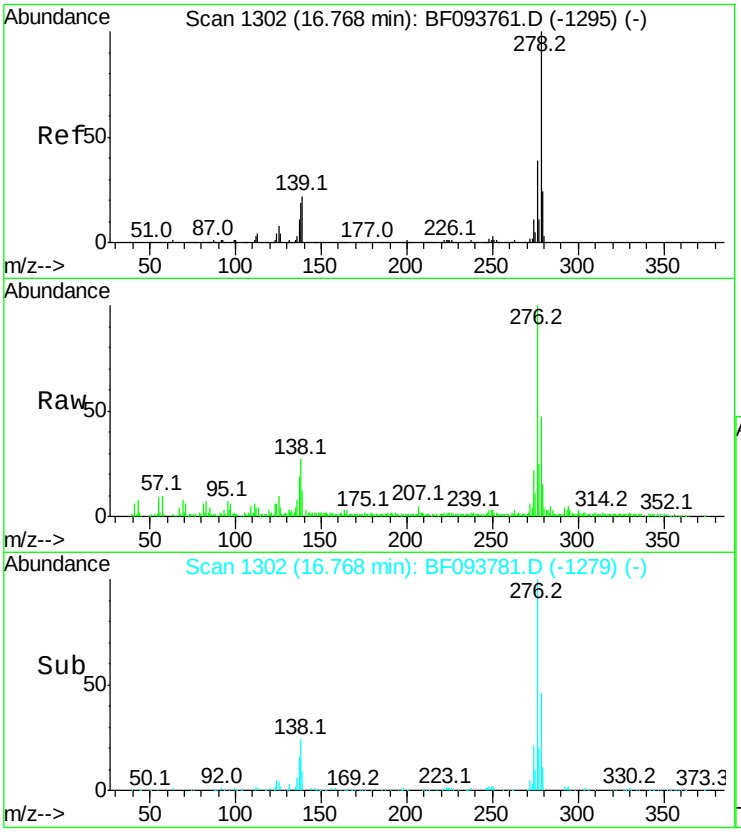


#89
Benzo(a)pyrene
Concen: 38.62 ng
RT: 15.34 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:252 Resp: 748145

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	14.9	11.0	16.4



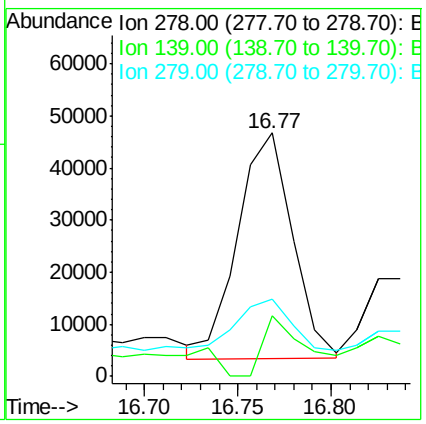


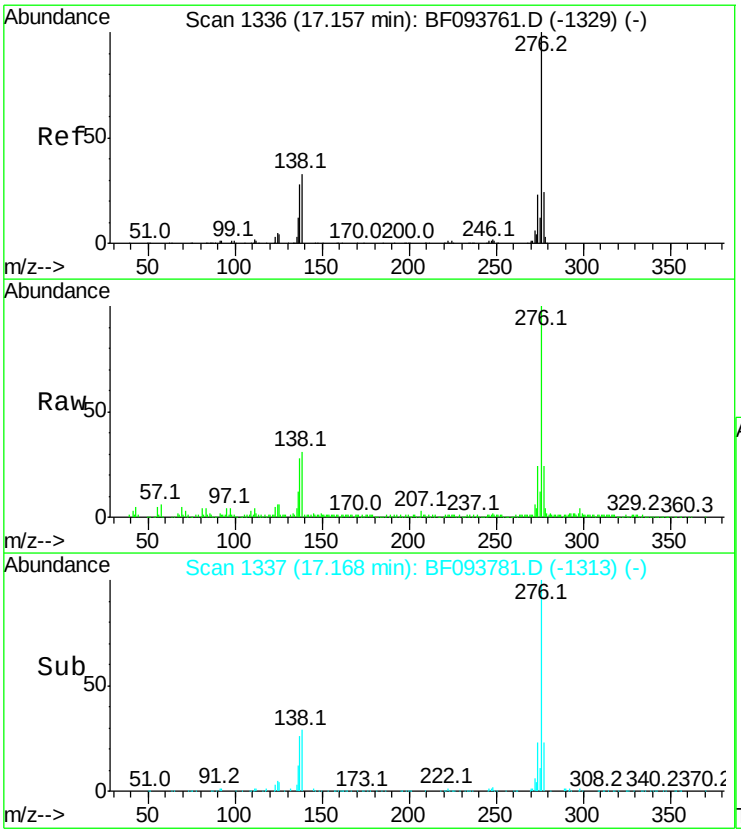
#90
Dibenzo(a,h)anthracene
Concen: 5.49 ng
RT: 16.77 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Instrument :
BNA_F
ClientSampleId :
HP-CT-01

Tgt Ion:278 Resp: 88321

Ion	Ratio	Lower	Upper
278	100		
139	25.0	16.6	24.8#
279	31.7	19.3	28.9#





#91
Benzo(g,h,i)perylene
Concen: 20.86 ng
RT: 17.17 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF093781.D
Acq: 20 Mar 2017 23:05

Tgt Ion:276 Resp: 333144

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	31.3	25.4	38.0