Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
Data File : BF093782.D
Acq On : 20 Mar 2017 23:32
Operator : SJ/MA
Sample : I2318-05 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-CT-02

Quant Time: Mar 21 01:07:25 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	238099	20.00	ng		-0.01
21) Naphthalene-d8	8.13	136	913177	20.00	ng		-0.01
38) Acenaphthene-d10	9.88	164	408064	20.00	ng		-0.01
63) Phenanthrene-d10	11.35	188	589379	20.00	ng		-0.01
75) Chrysene-d12	13.98	240	347478	20.00	ng		-0.02
86) Perylene-d12	15.40	264	357459	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	80476	5.91	ng		-0.02
7) Phenol-d6	6.45	99	96833	5.76	ng		-0.03
23) Nitrobenzene-d5	7.38	82	53032	3.29	ng		-0.02
41) 2,4,6-Tribromophenol	10.65	330	11117	3.52	ng		-0.02
44) 2-Fluorobiphenyl	9.20	172	120880	4.98	ng		-0.01
78) Terphenyl-d14	12.93	244	70181	4.12	ng		-0.02
Target Compounds							Qvalue
18) Hexachloroethane	7.37	117	12305	2.00	ng	#	35
31) Naphthalene	8.15	128	5273120	124.41	ng		97
33) 4-Chloroaniline	8.15	127	757985	41.61	ng	#	32
37) 2-Methylnaphthalene	8.84	142	1571330	56.79	ng		99
45) 1,1'-Biphenyl	9.29	154	478597	14.43	ng		96
46) 2-Chloronaphthalene	9.37	162	82099	3.23	ng	#	50
48) Acenaphthylene	9.74	152	1408155	34.03	ng		98
51) Acenaphthene	9.91	154	454765	18.40	ng		97
54) Dibenzofuran	10.08	168	523569	15.74	ng	#	92
55) 4-Nitrophenol	9.98	139	14110	2.45	ng	#	66
56) 2,4-Dinitrotoluene	10.08	165	25961	3.21	ng	#	1
57) Fluorene	10.42	166	1495363	58.71	ng		99
65) n-Nitrosodiphenylamine	10.54	169	94679	4.82	ng	#	86
70) Phenanthrene	11.38	178	4144304	132.03	ng		98
71) Anthracene	11.43	178	1202844	37.22	ng		99
72) Carbazole	11.58	167	306736	9.59	ng		98
74) Fluoranthene	12.57	202	2438435	75.58	ng		97
77) Pyrene	12.80	202	2856986	98.80	ng		99
80) Benzo(a)anthracene	14.01	228	940960	43.23	ng		94
82) Chrysene	14.01	228	935139	43.00	ng		96
85) Indeno(1,2,3-cd)pyrene	16.76	276	345342	19.39	ng		95
87) Benzo(b)fluoranthene	15.10	252	259604	10.77	ng		94
88) Benzo(k)fluoranthene	15.00	252	1201288	67.51	ng		100
89) Benzo(a)pyrene	15.34	252	819123	41.92	ng		98
90) Dibenzo(a,h)anthracene	16.77	278	100732	6.21	ng	#	88
91) Benzo(g,h,i)perylene	17.17	276	370063	22.98	ng		98

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

Quantitation Report (Not Reviewed)

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Quant Time: Mar 21 01:07:25 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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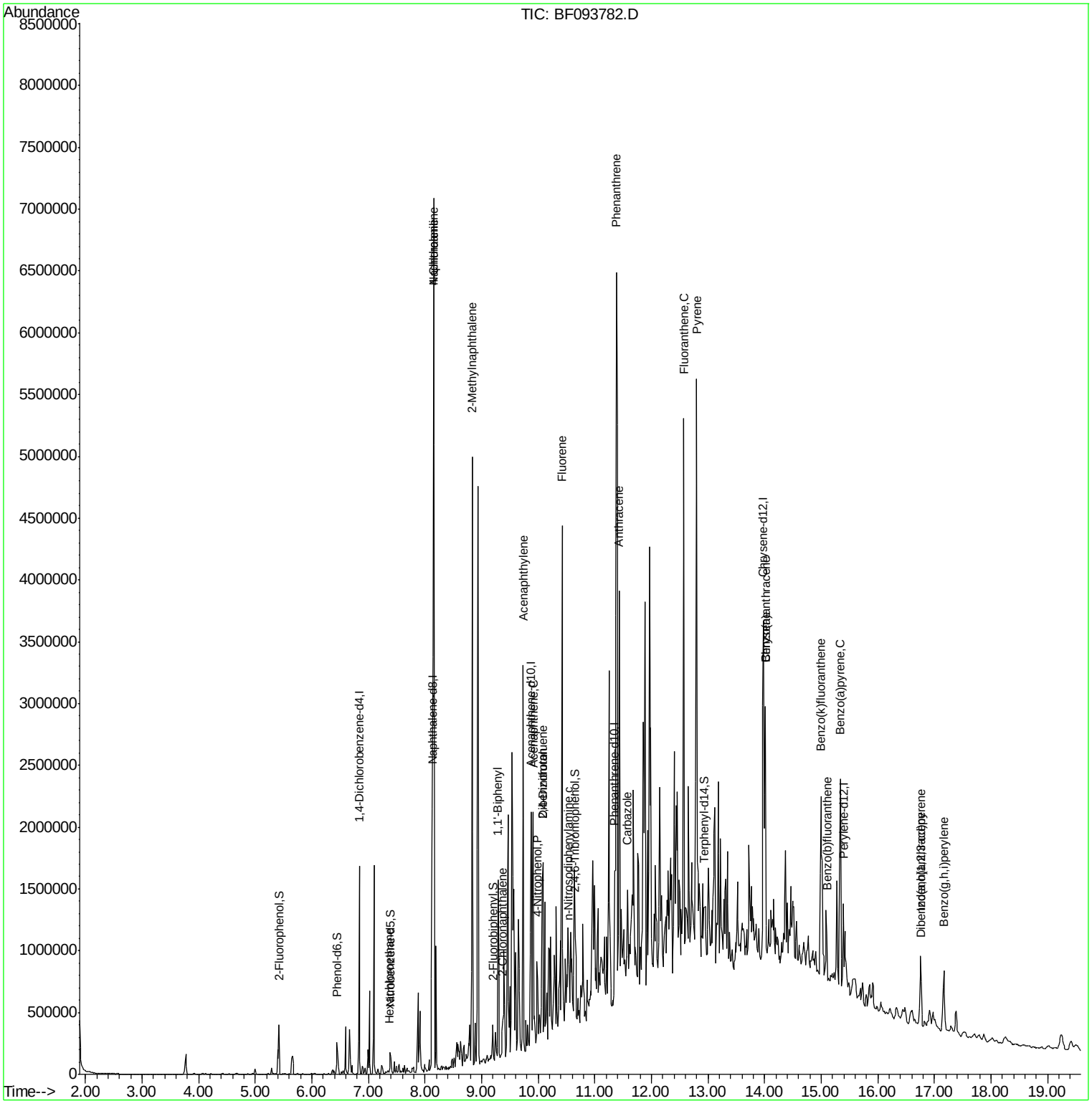
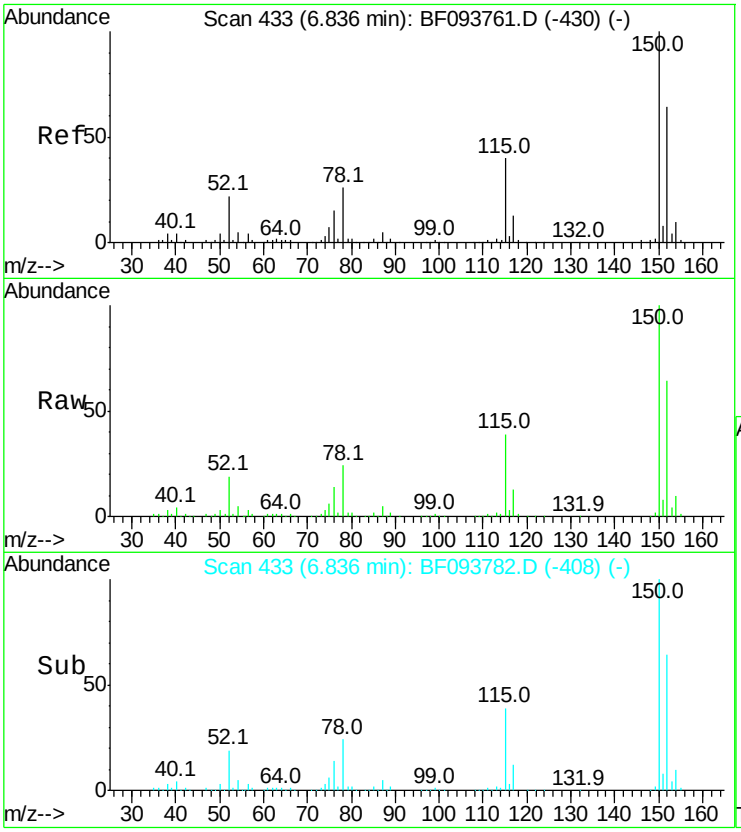


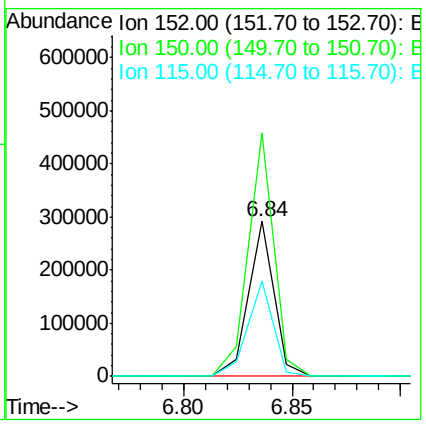


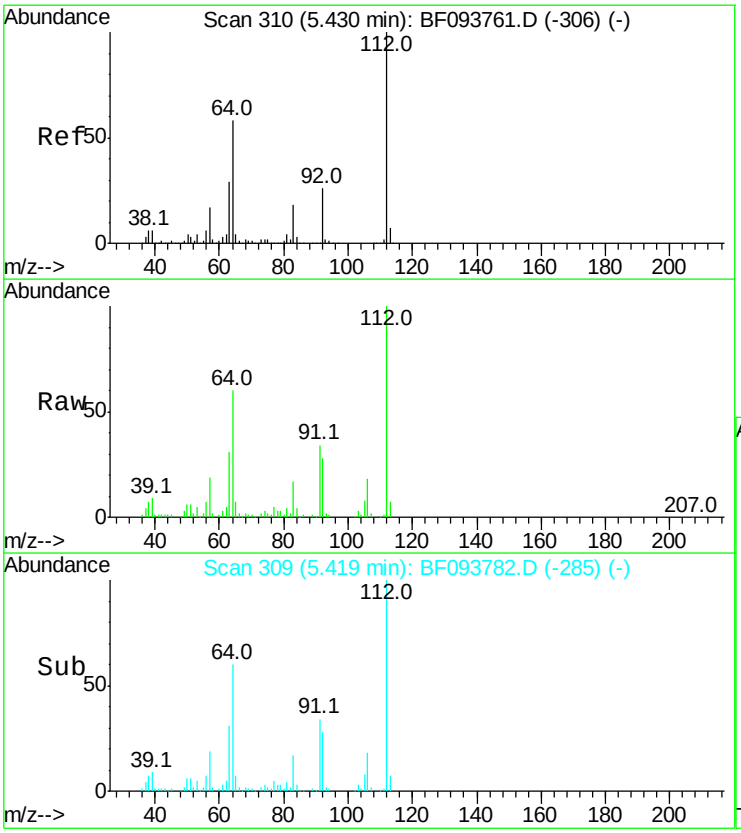
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 433
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:152 Resp: 238099

Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	61.2	52.2	78.2

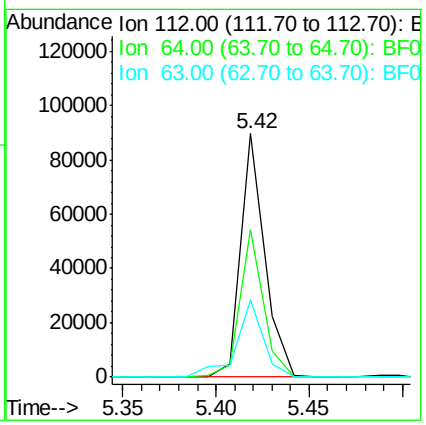


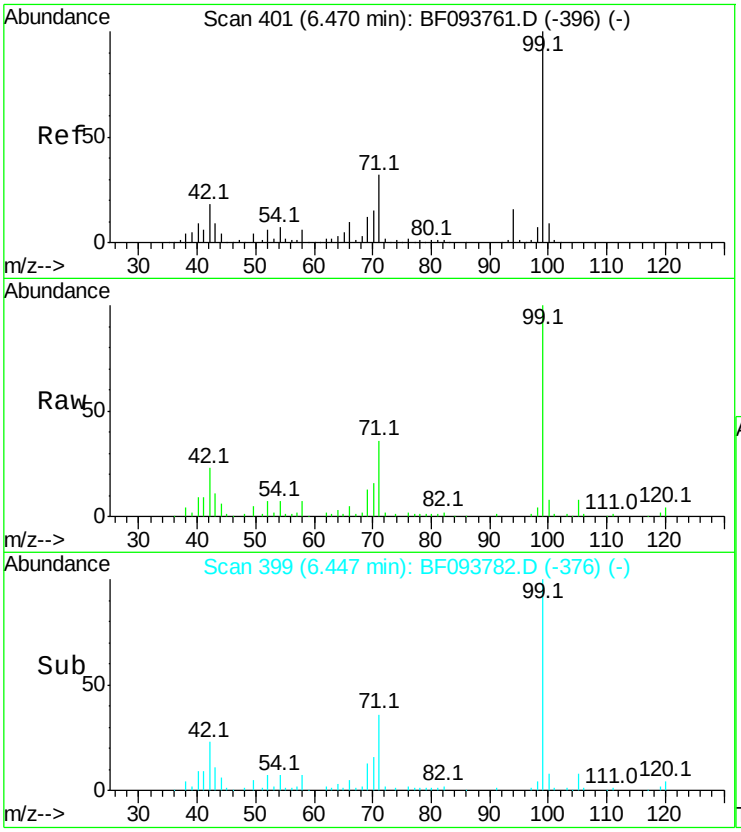


#5
2-Fluorophenol
Concen: 5.91 ng
RT: 5.42 min Scan# 309
Delta R.T. -0.02 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:112 Resp: 80476

Ion	Ratio	Lower	Upper
112	100		
64	60.4	46.0	69.0
63	31.5	23.4	35.0



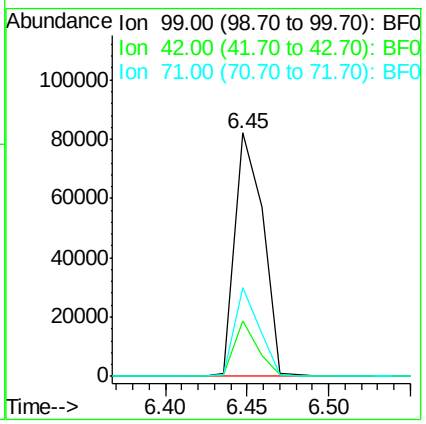


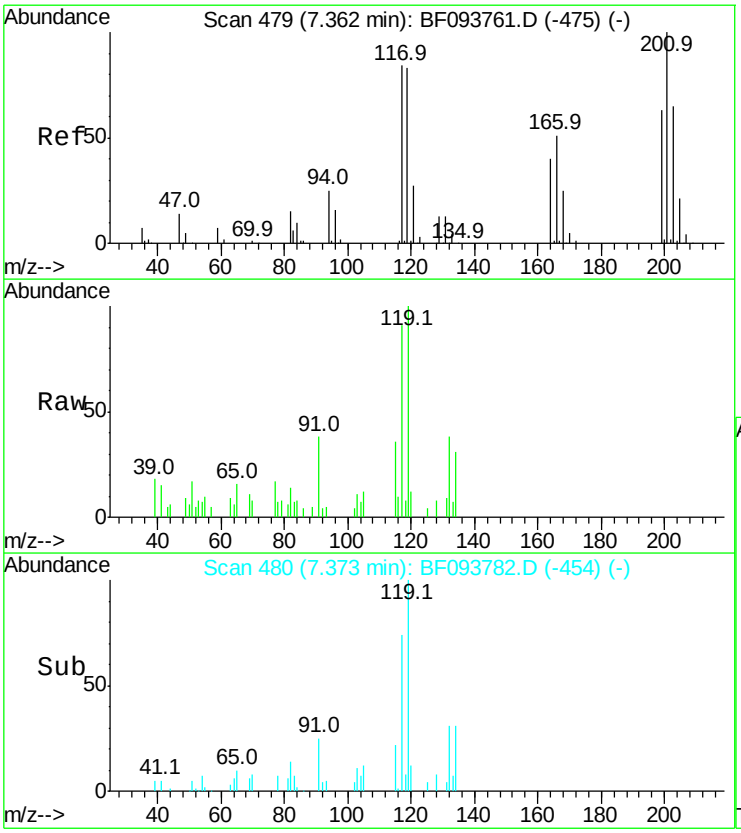
#7
Phenol-d6
Concen: 5.76 ng
RT: 6.45 min Scan# 399
Delta R.T. -0.03 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion: 99 Resp: 96833

Ion	Ratio	Lower	Upper
99	100		
42	22.8	13.5	20.3#
71	36.3	24.5	36.7

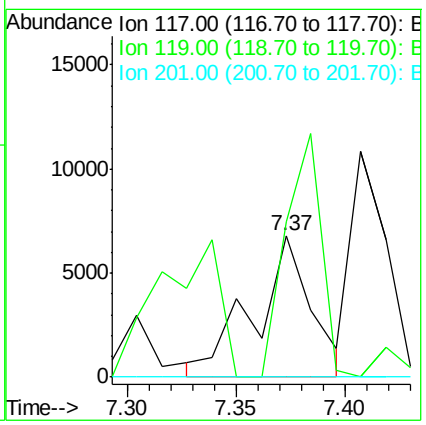


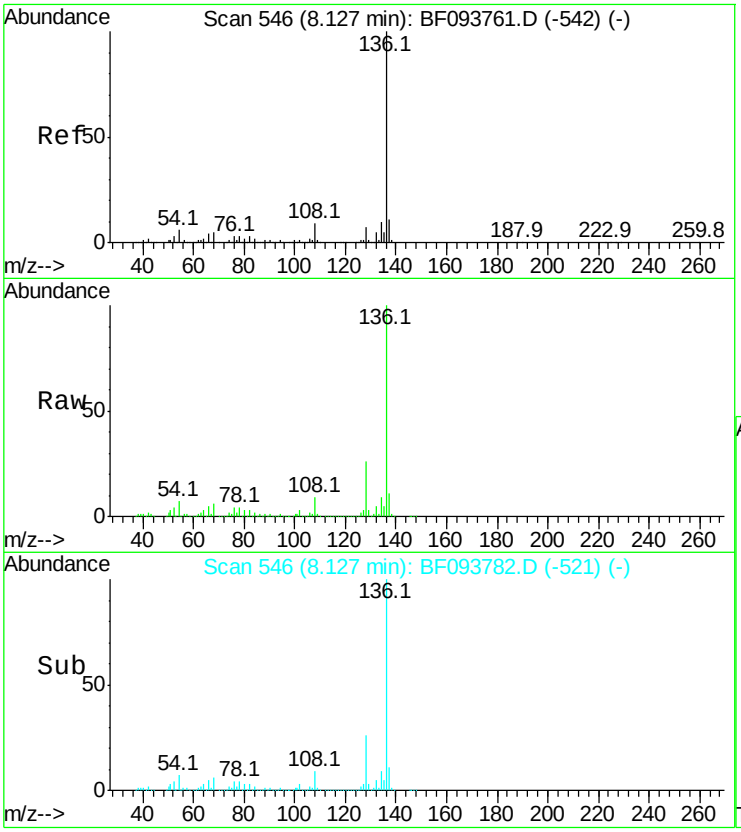


#18
Hexachloroethane
Concen: 2.00 ng
RT: 7.37 min Scan# 480
Delta R.T. 0.00 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:117 Resp: 12305

Ion	Ratio	Lower	Upper
117	100		
119	109.9	77.4	116.0
201	0.0	94.6	141.8#



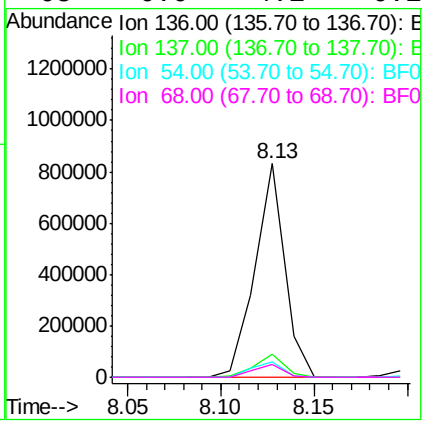


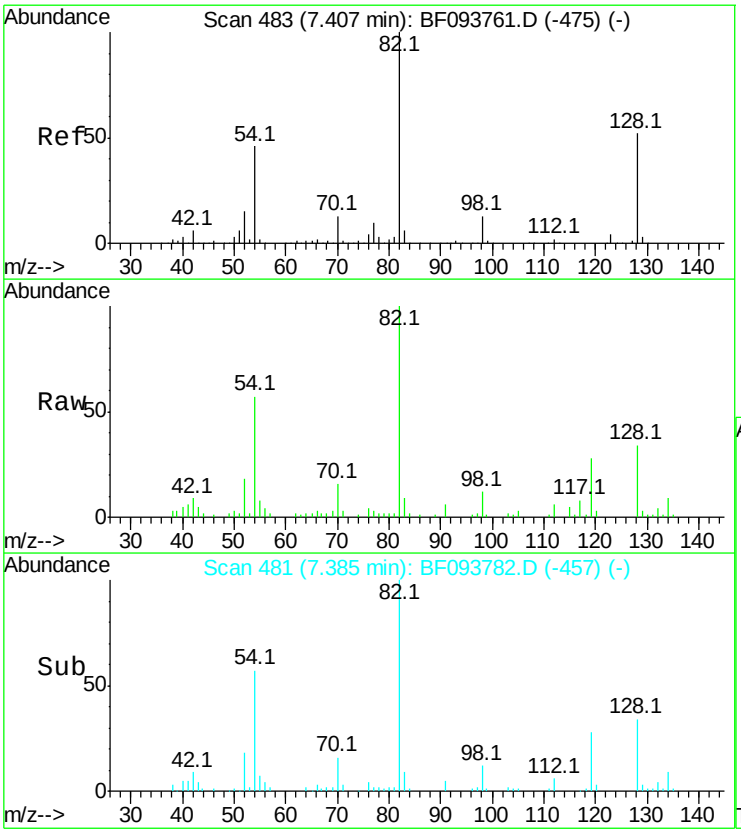
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:136 Resp: 913177

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

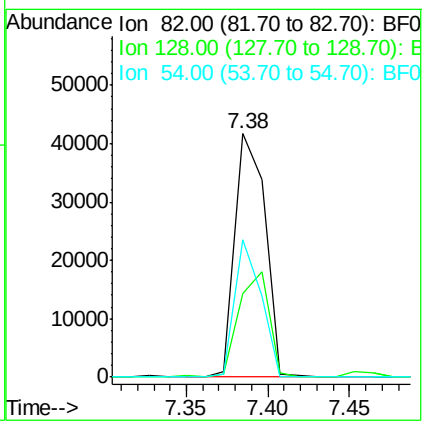


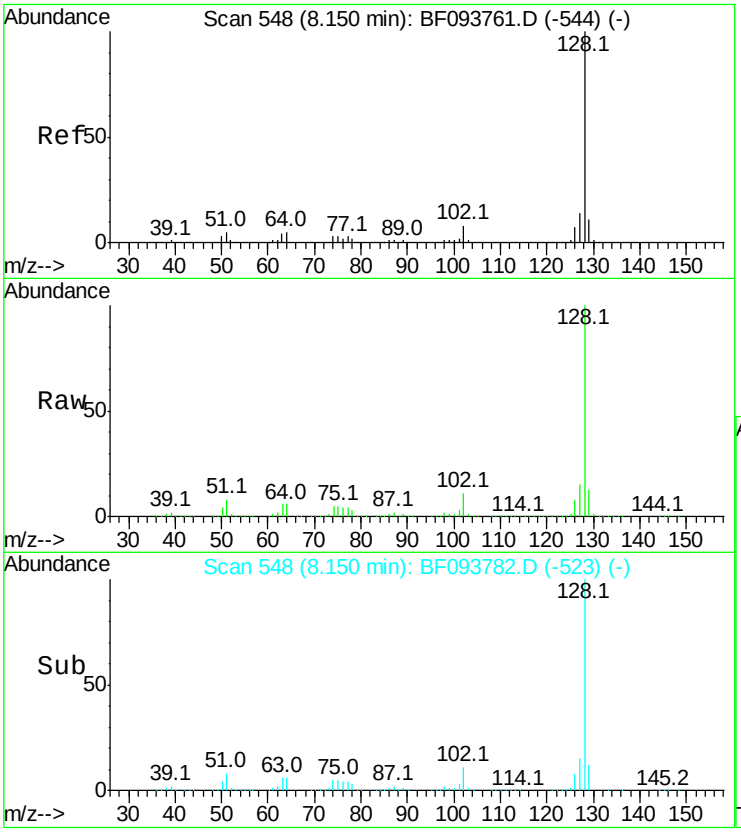


#23
Nitrobenzene-d5
Concen: 3.29 ng
RT: 7.38 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion: 82 Resp: 53032

Ion	Ratio	Lower	Upper
82	100		
128	34.3	34.0	51.0
54	56.5	42.2	63.2



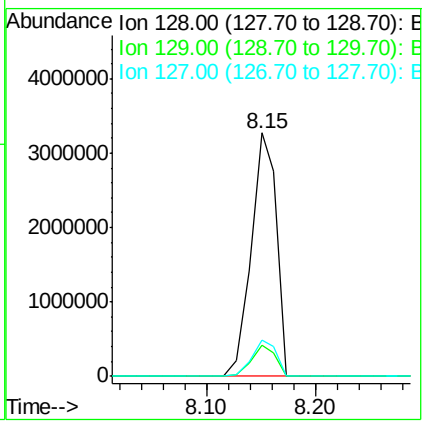


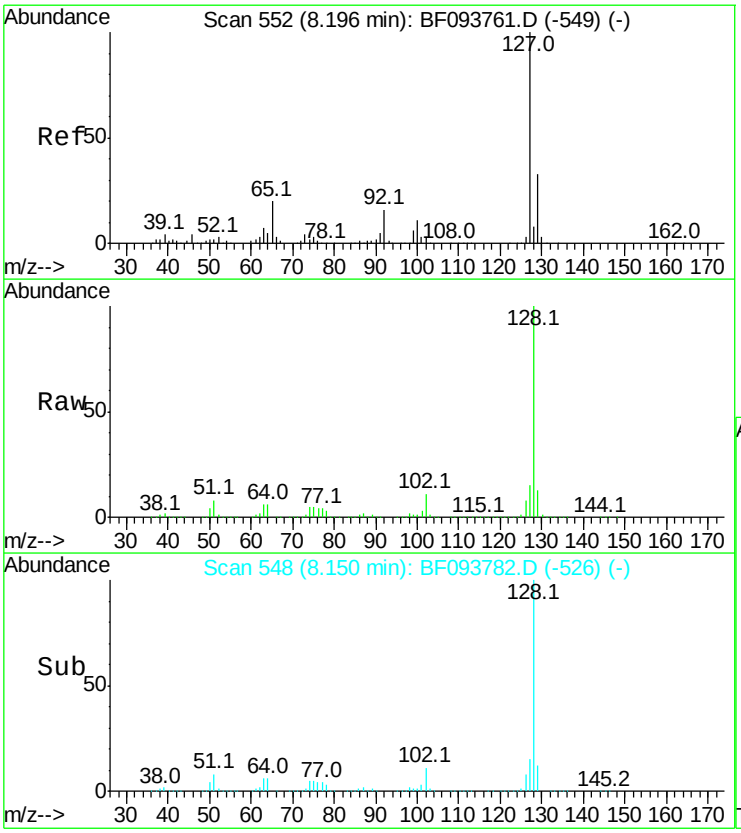
#31
Naphthalene
Concen: 124.41 ng
RT: 8.15 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:128 Resp: 5273120

Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.0	13.6
127	14.8	10.8	16.2

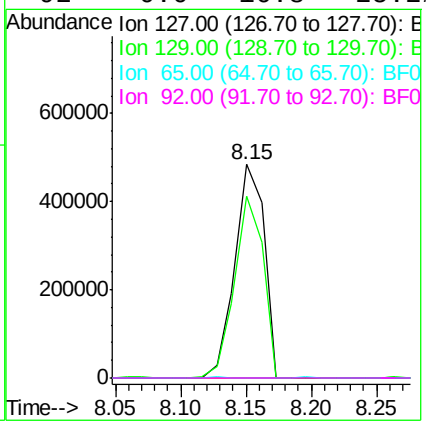


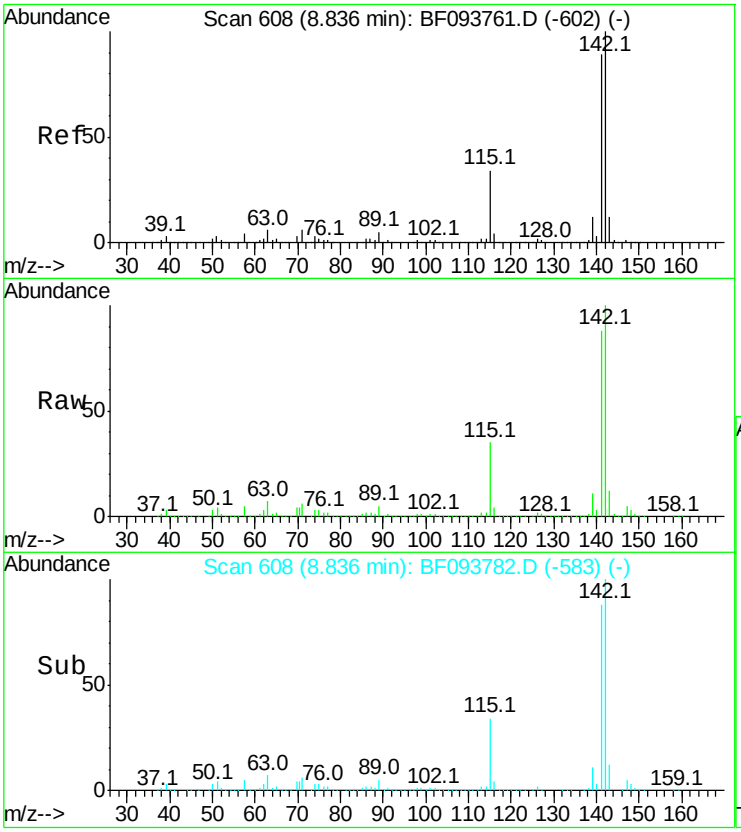


#33
4-Chloroaniline
Concen: 41.61 ng
RT: 8.15 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:127 Resp: 757985

Ion	Ratio	Lower	Upper
127	100		
129	84.8	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



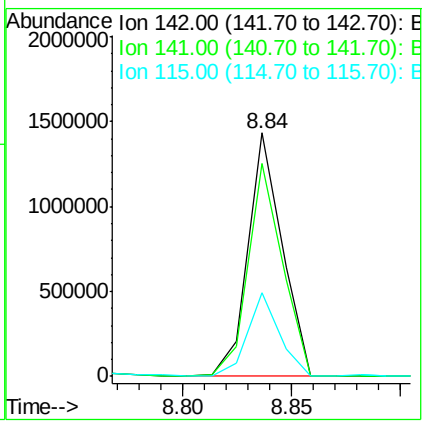


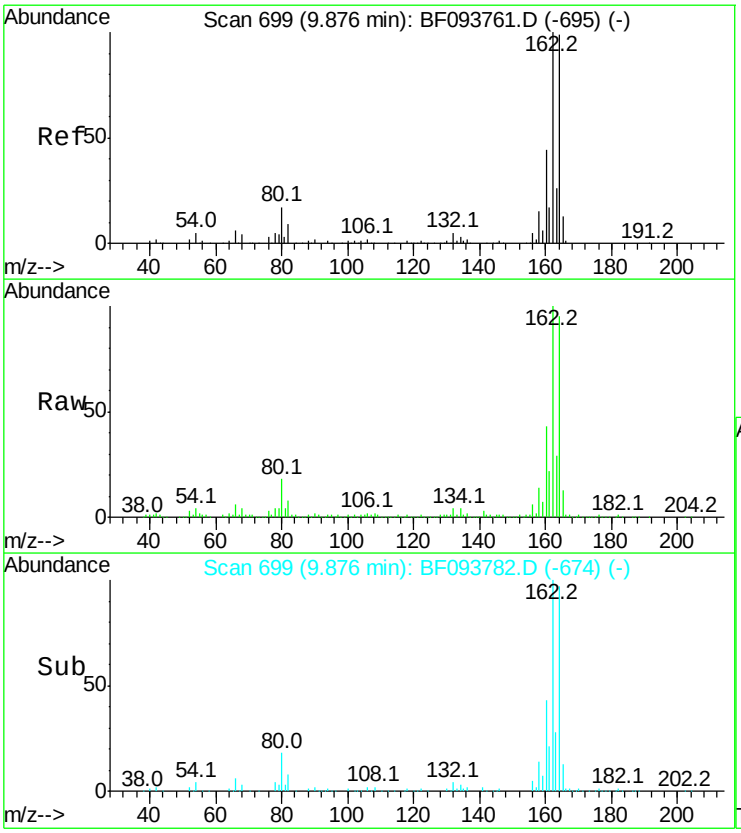
#37
2-Methylnaphthalene
Concen: 56.79 ng
RT: 8.84 min Scan# 608
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:142 Resp: 1571330

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.3	106.9
115	34.5	27.1	40.7

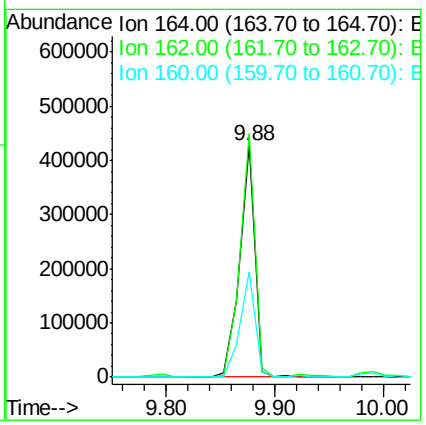


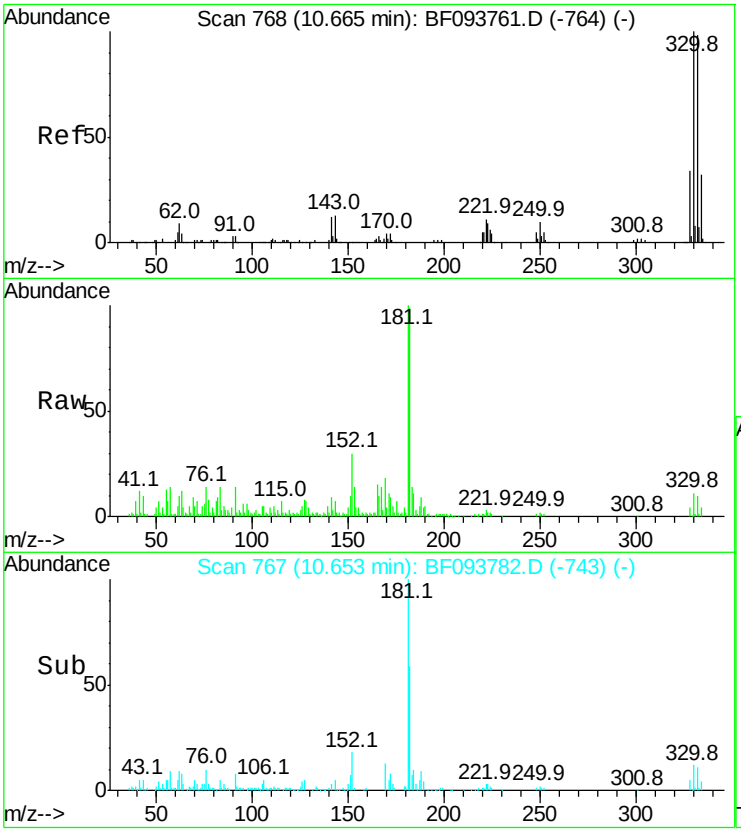


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:164 Resp: 408064

Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.6	123.8
160	45.6	36.2	54.2



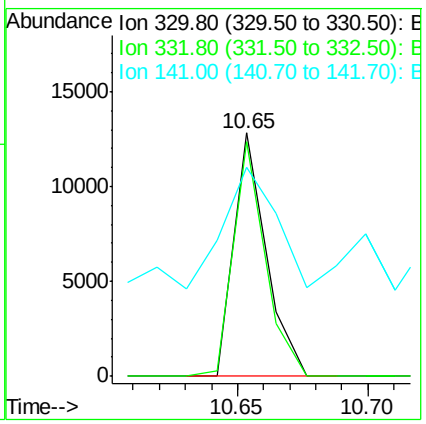


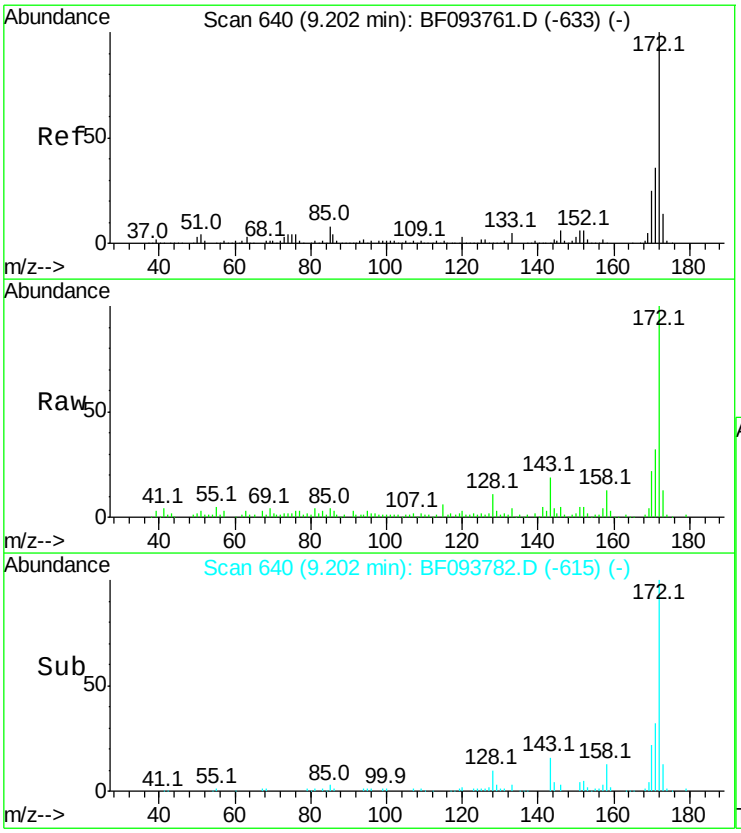
#41
2,4,6-Tribromophenol
Concen: 3.52 ng
RT: 10.65 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:330 Resp: 11117

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.6	115.0
141	87.8	31.4	47.2#

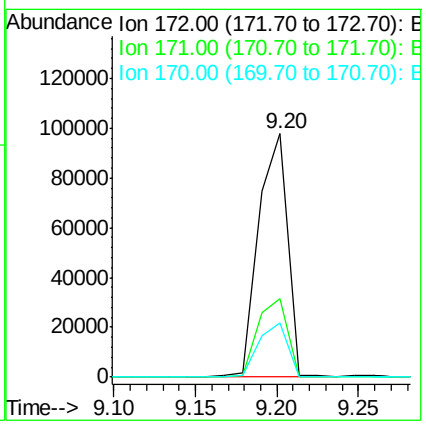


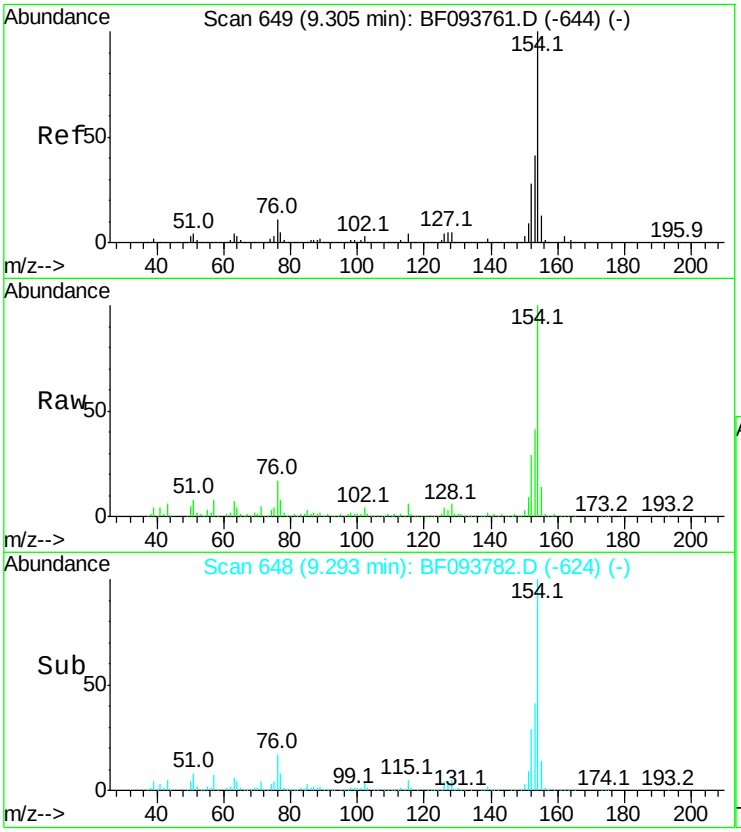


#44
2-Fluorobiphenyl
Concen: 4.98 ng
RT: 9.20 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:172 Resp: 120880

Ion	Ratio	Lower	Upper
172	100		
171	32.1	29.6	44.4
170	22.2	19.8	29.8



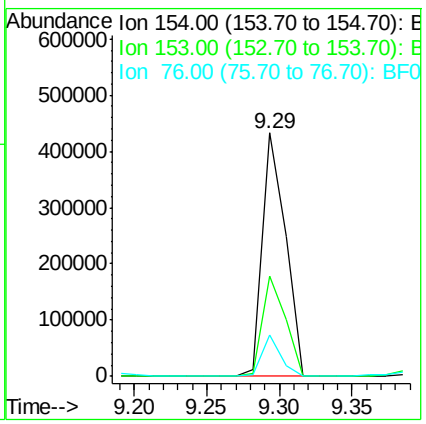


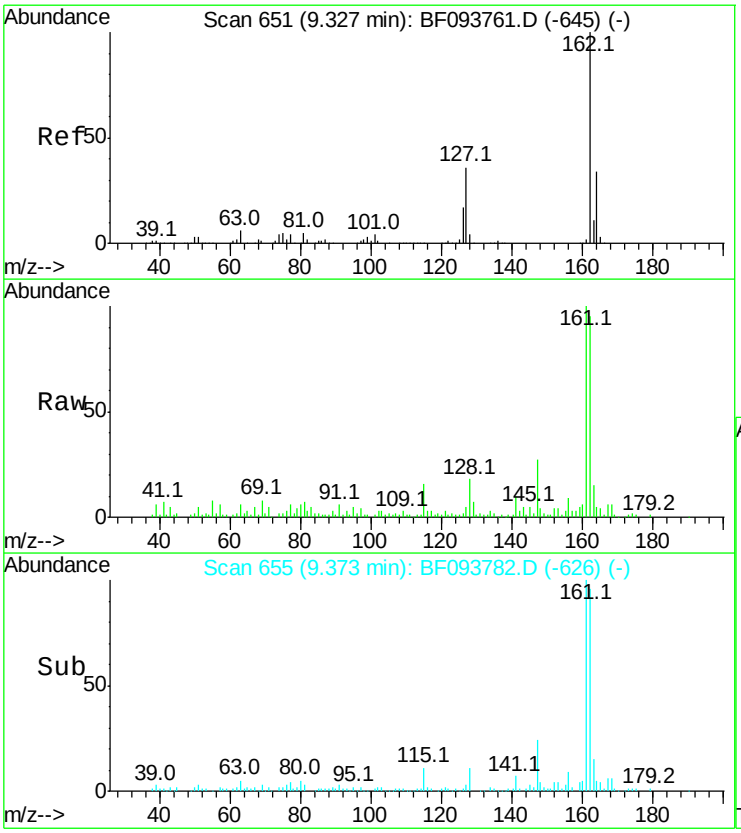
#45
1,1'-Biphenyl
Concen: 14.43 ng
RT: 9.29 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:154 Resp: 478597

Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.2	61.2
76	17.1	0.0	29.9

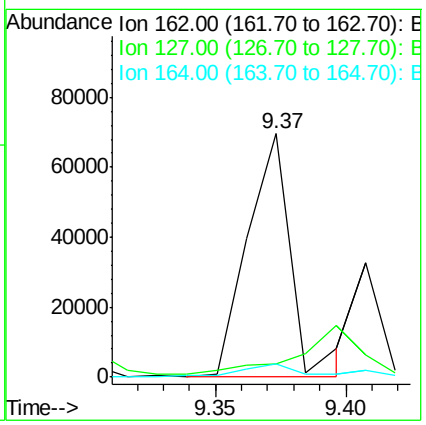


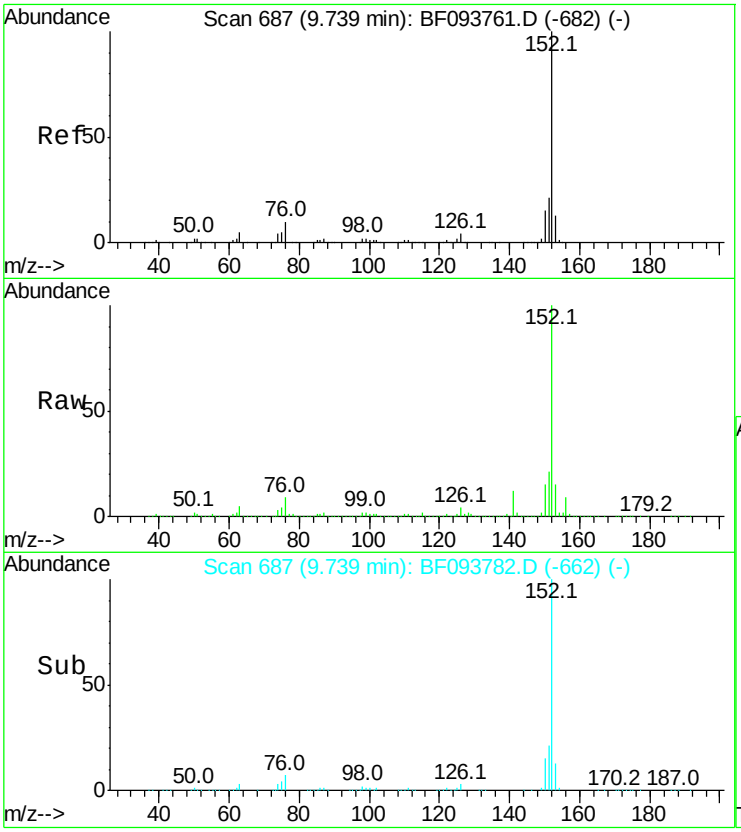


#46
2-Chloronaphthalene
Concen: 3.23 ng
RT: 9.37 min Scan# 655
Delta R.T. 0.03 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:162 Resp: 82099

Ion	Ratio	Lower	Upper
162	100		
127	5.3	28.3	42.5#
164	5.5	27.0	40.4#



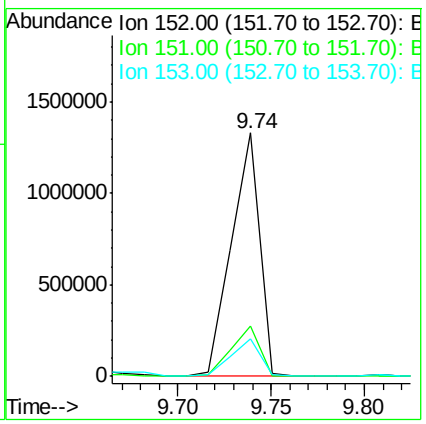


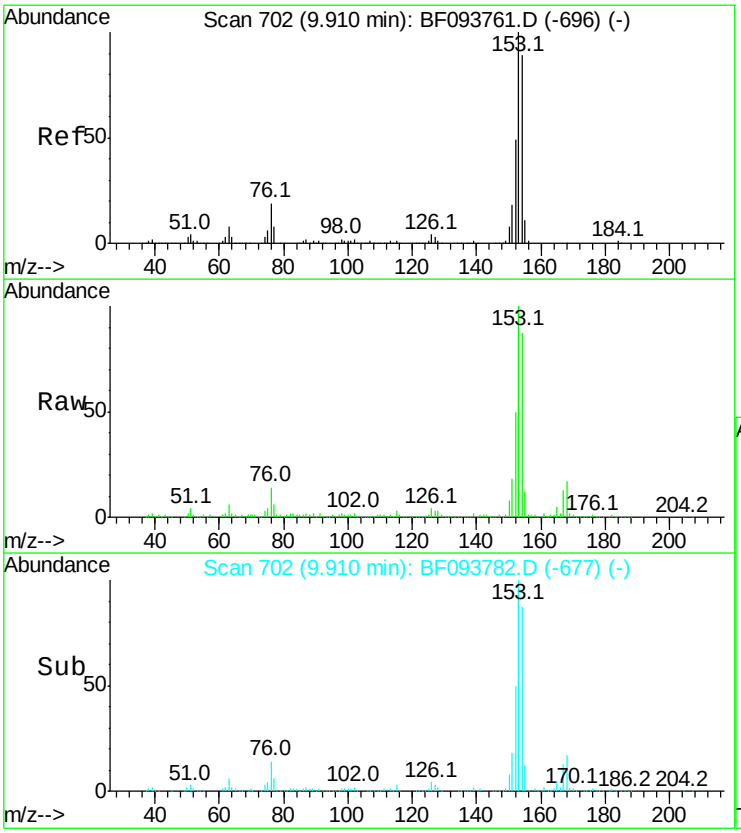
#48
Acenaphthylene
Concen: 34.03 ng
RT: 9.74 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:152 Resp: 1408155

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.8	25.2
153	15.2	10.8	16.2

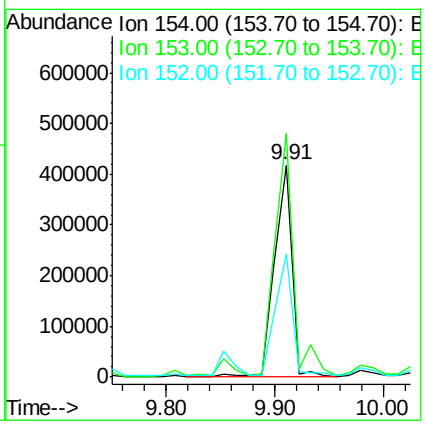


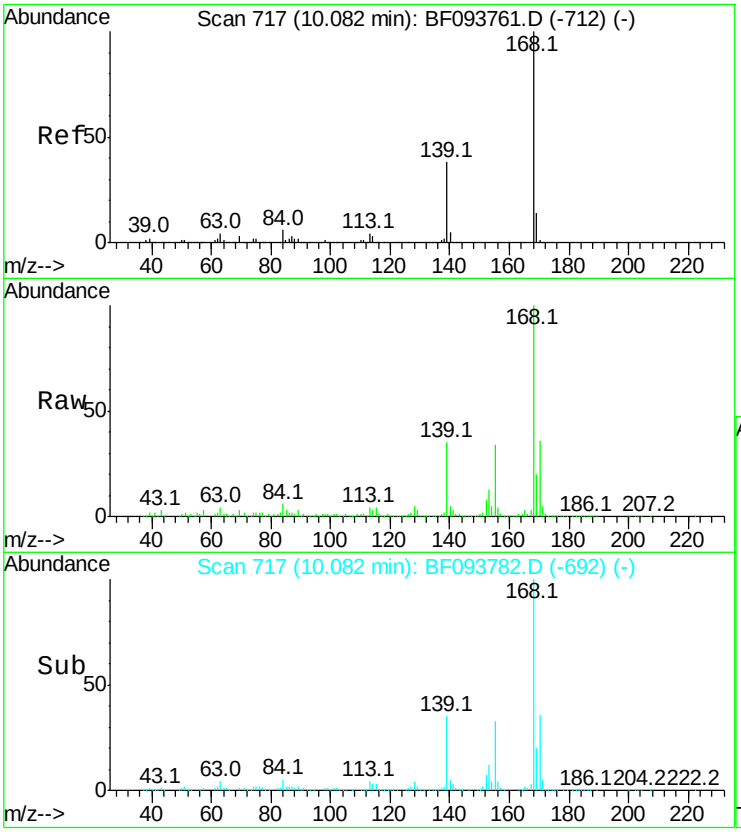


#51
Acenaphthene
Concen: 18.40 ng
RT: 9.91 min Scan# 702
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:154 Resp: 454765

Ion	Ratio	Lower	Upper
154	100		
153	114.8	90.5	135.7
152	57.9	43.6	65.4



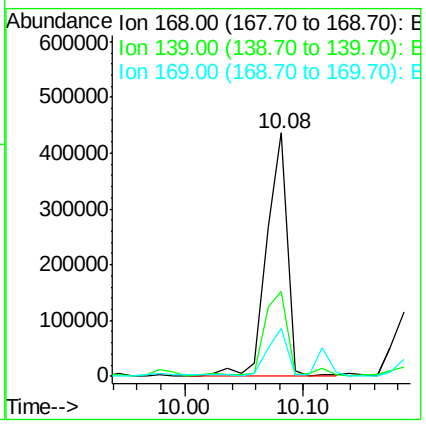


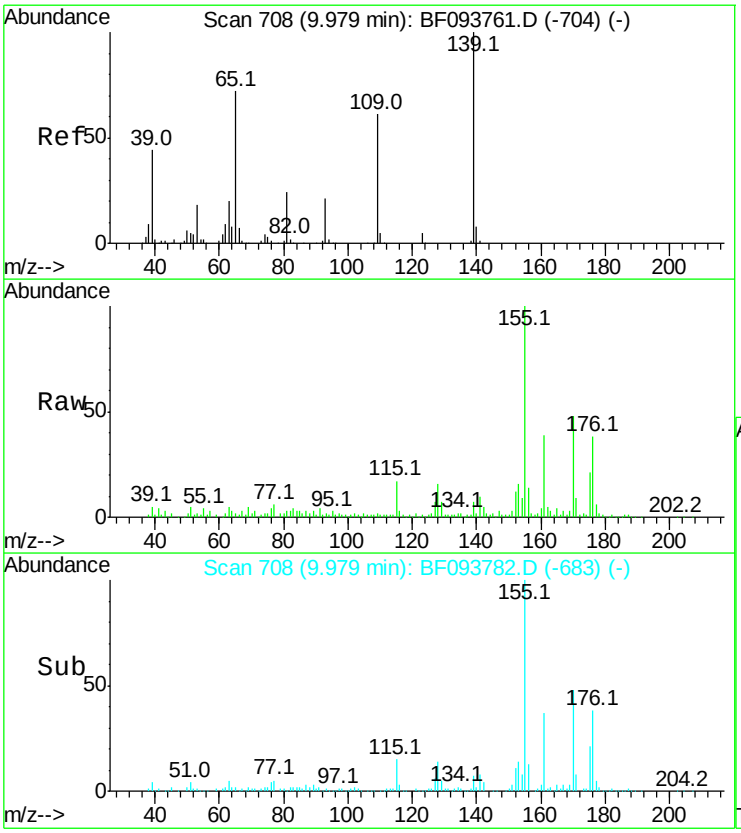
#54
Dibenzofuran
Concen: 15.74 ng
RT: 10.08 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:168 Resp: 523569

Ion	Ratio	Lower	Upper
168	100		
139	34.7	30.6	45.8
169	19.8	10.8	16.2#

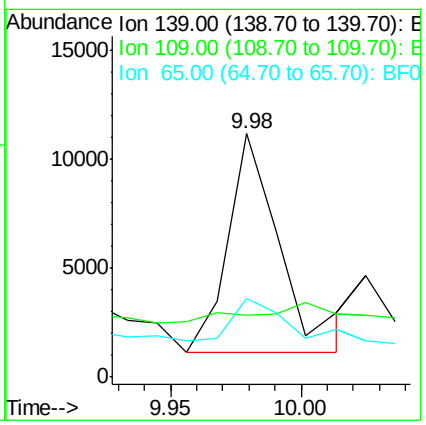


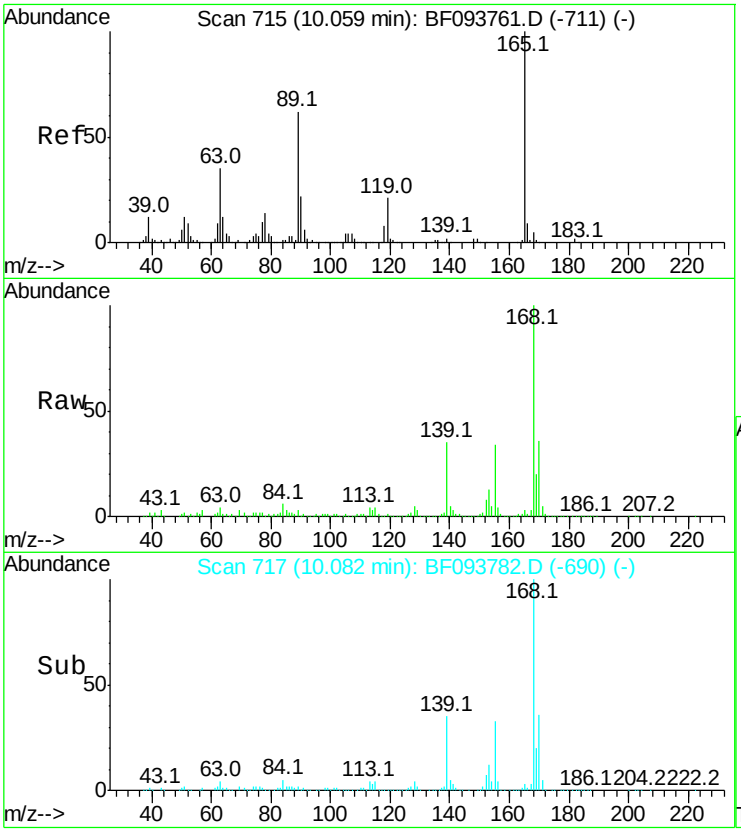


#55
4-Nitrophenol
Concen: 2.45 ng
RT: 9.98 min Scan# 708
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:139 Resp: 14110

Ion	Ratio	Lower	Upper
139	100		
109	25.4	34.1	74.1#
65	32.4	31.4	71.4



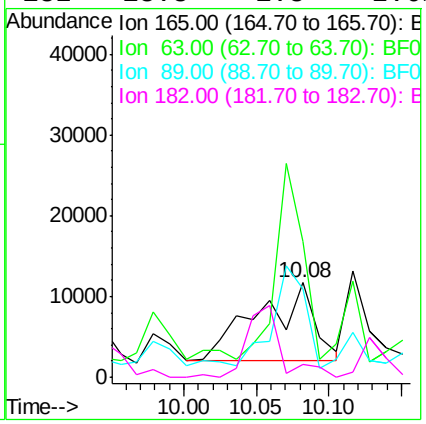


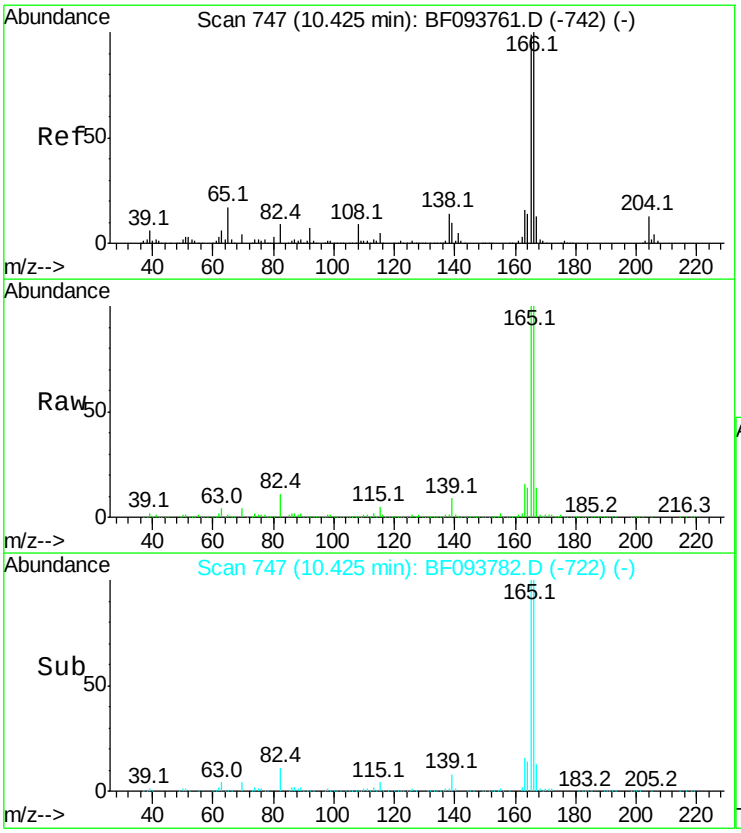
#56
2,4-Dinitrotoluene
Concen: 3.21 ng
RT: 10.08 min Scan# 717
Delta R.T. 0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:165 Resp: 25961

Ion	Ratio	Lower	Upper
165	100		
63	143.8	25.4	38.0#
89	93.8	46.4	69.6#
182	13.8	1.8	2.6#

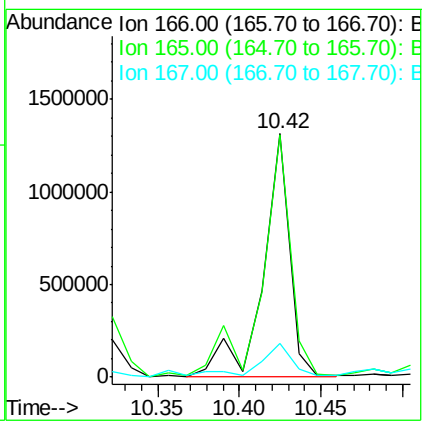


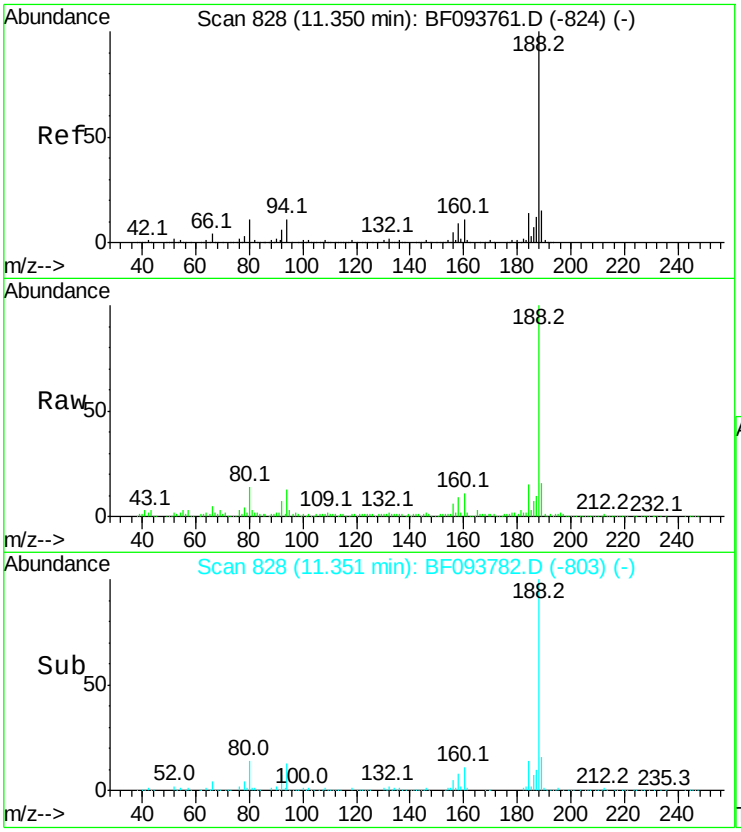


#57
Fluorene
Concen: 58.71 ng
RT: 10.42 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:166 Resp: 1495363

Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.8	118.2
167	13.6	10.6	16.0



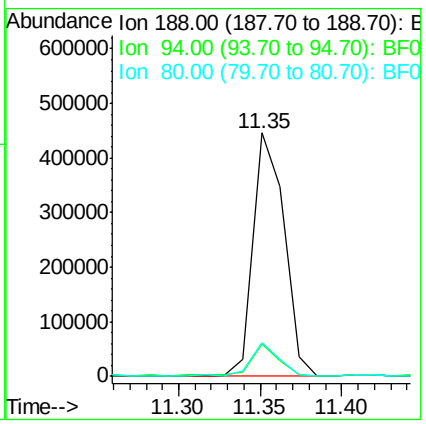


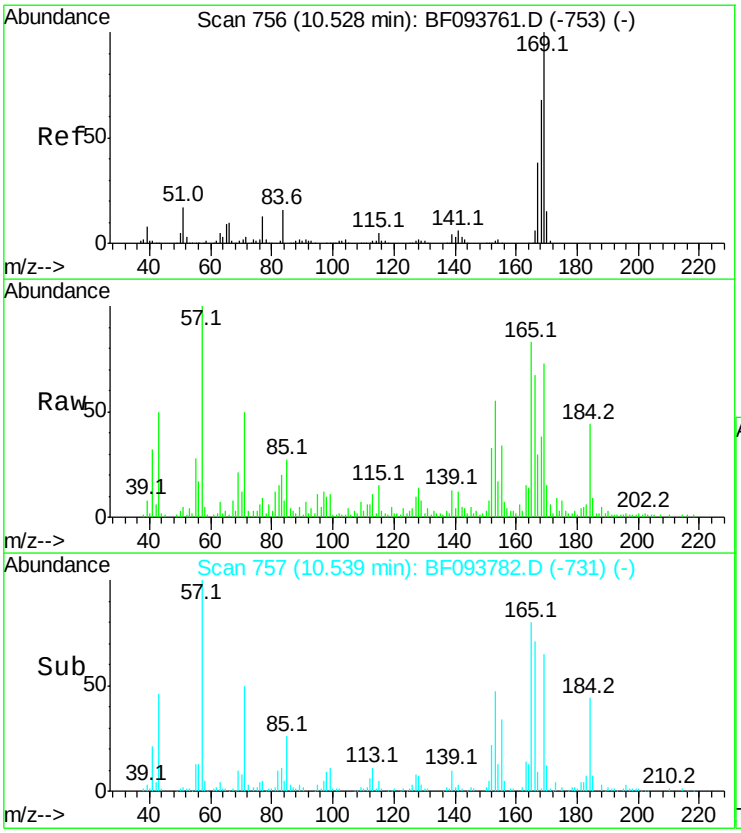
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:188 Resp: 589379

Ion	Ratio	Lower	Upper
188	100		
94	13.2	9.4	14.2
80	14.1	10.2	15.2

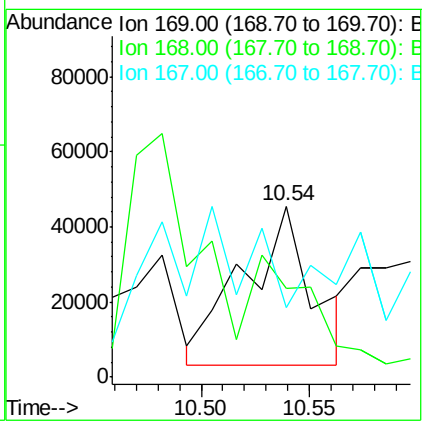


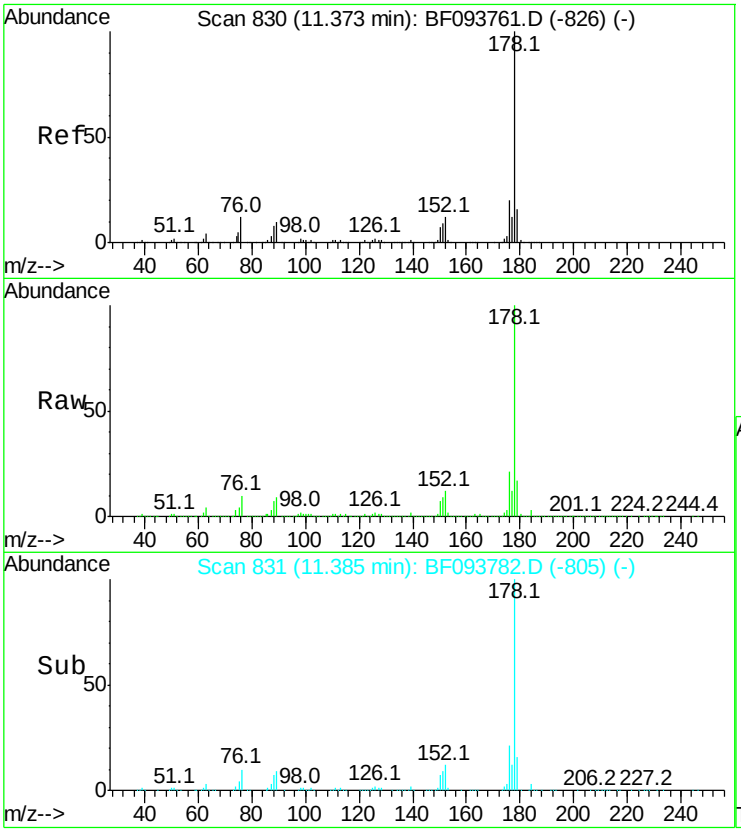


#65
n-Nitrosodiphenylamine
Concen: 4.82 ng
RT: 10.54 min Scan# 757
Delta R.T. 0.00 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:169 Resp: 94679

Ion	Ratio	Lower	Upper
169	100		
168	51.9	53.2	79.8#
167	41.0	29.5	44.3



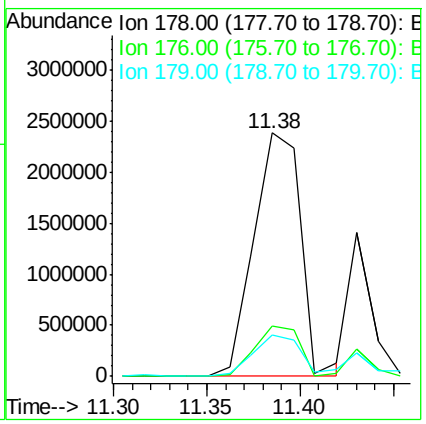


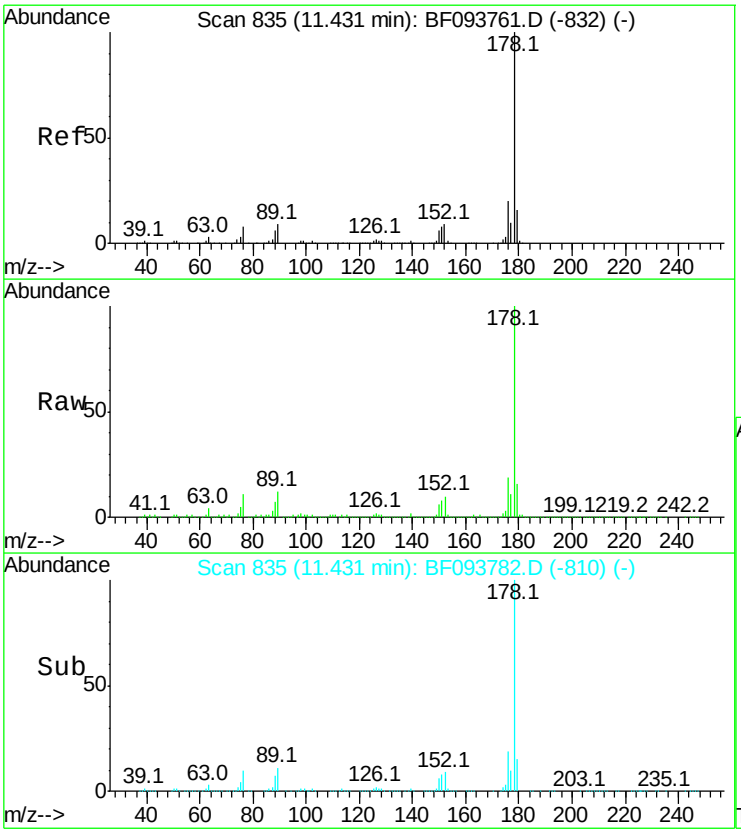
#70
Phenanthrene
Concen: 132.03 ng
RT: 11.38 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:178 Resp: 4144304

Ion	Ratio	Lower	Upper
178	100		
176	20.7	16.2	24.4
179	16.8	12.6	19.0

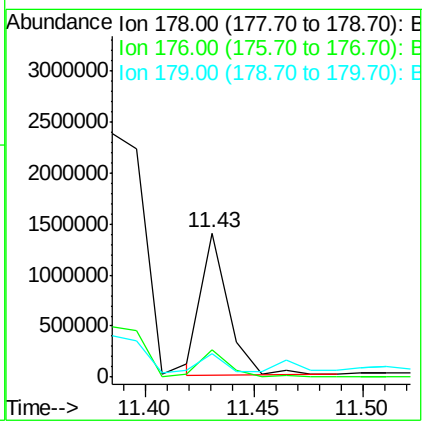


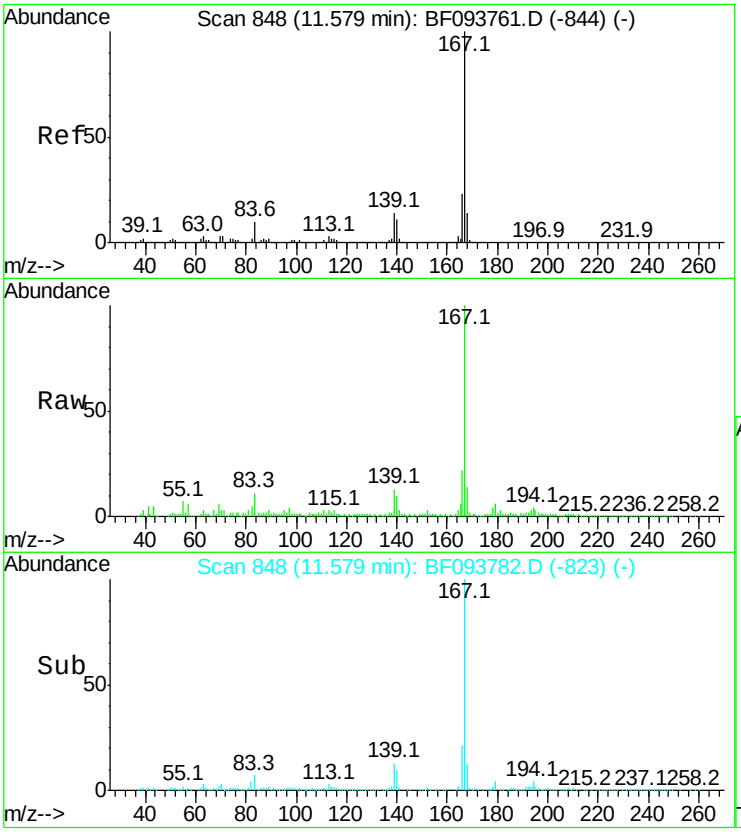


#71
Anthracene
Concen: 37.22 ng
RT: 11.43 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:178 Resp: 1202844

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	16.3	12.7	19.1



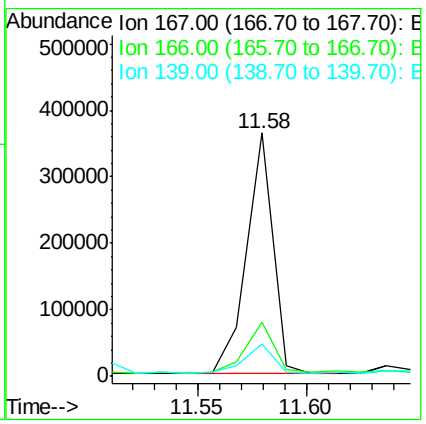


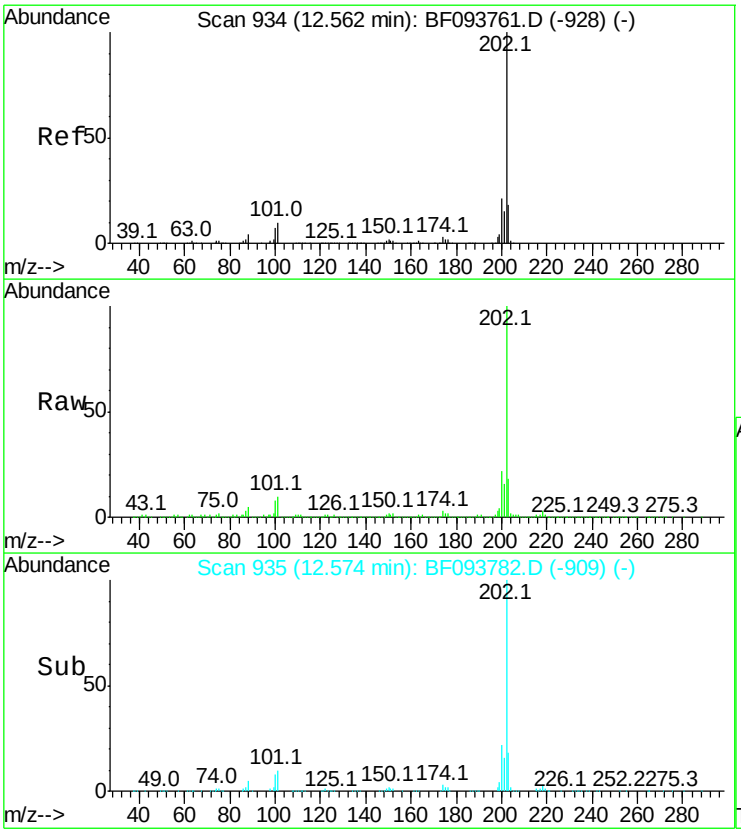
#72
Carbazole
Concen: 9.59 ng
RT: 11.58 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:167 Resp: 306736

Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.1	27.1
139	13.5	11.7	17.5

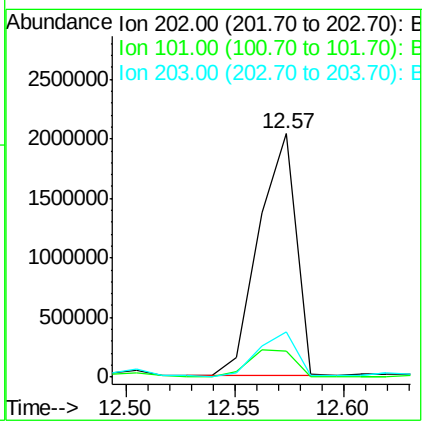


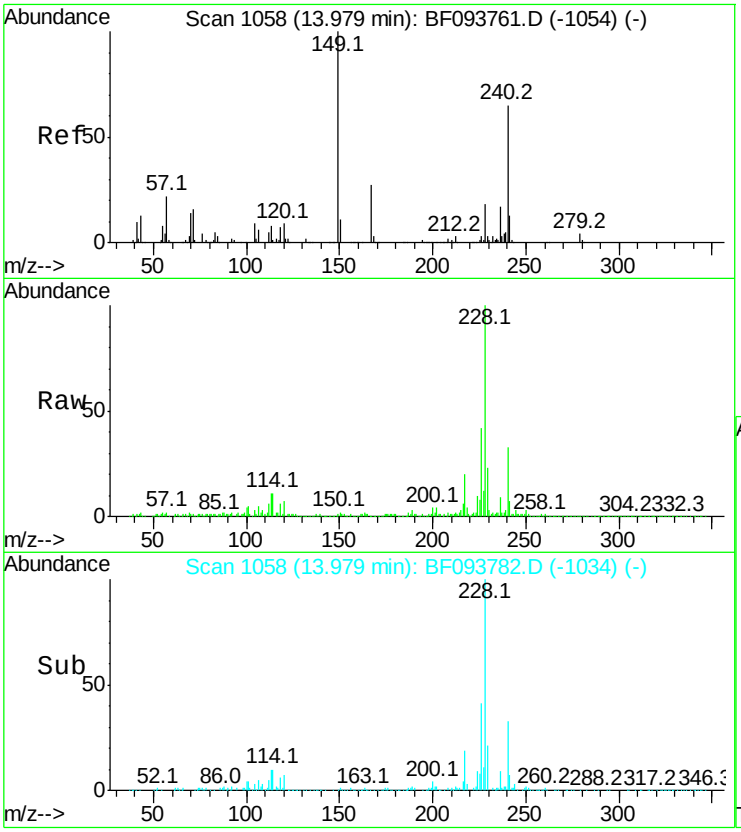


#74
Fluoranthene
Concen: 75.58 ng
RT: 12.57 min Scan# 935
Delta R.T. 0.00 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:202 Resp: 2438435

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	33.2
203	18.3	0.0	38.1



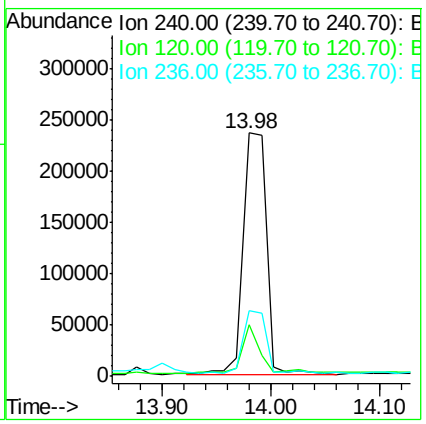


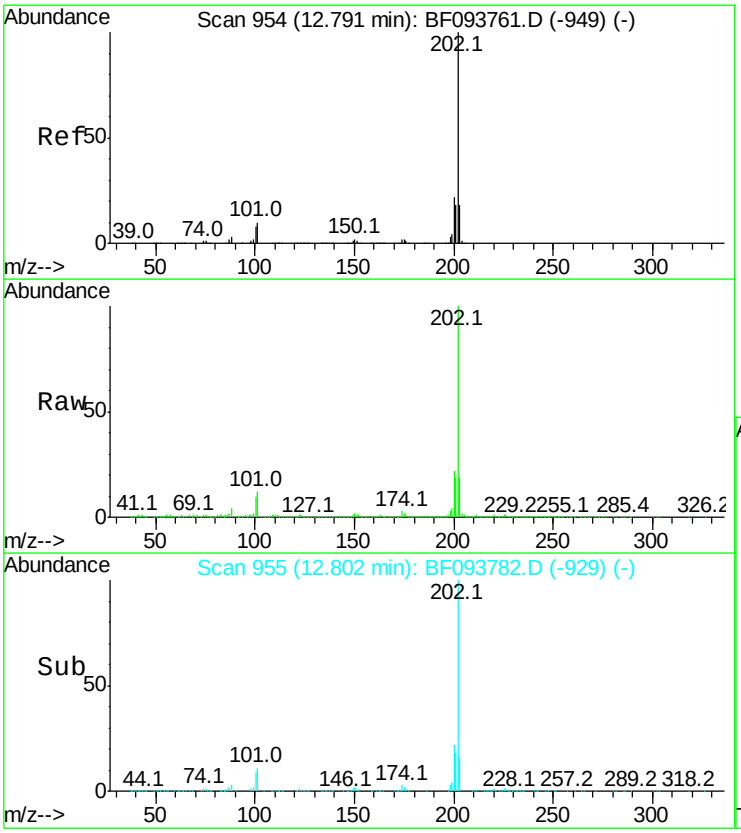
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 1058
Delta R.T. -0.02 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:240 Resp: 347478

Ion	Ratio	Lower	Upper
240	100		
120	21.2	5.8	8.8#
236	27.2	20.5	30.7

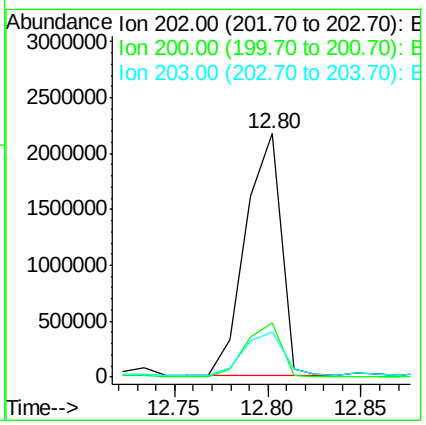


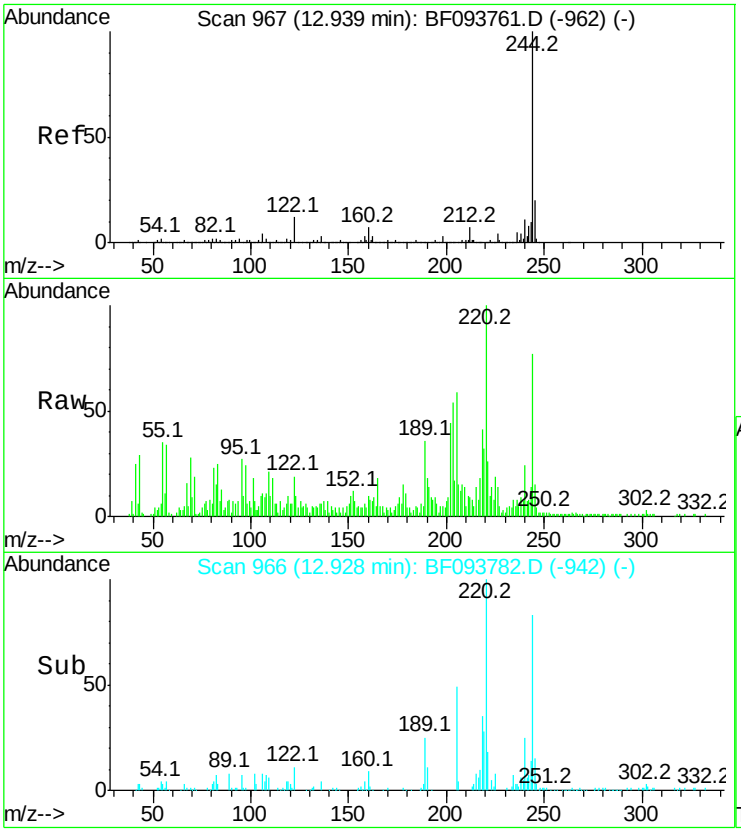


#77
Pyrene
Concen: 98.80 ng
RT: 12.80 min Scan# 955
Delta R.T. 0.00 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:202 Resp: 2856986

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.6	26.4
203	18.6	14.4	21.6



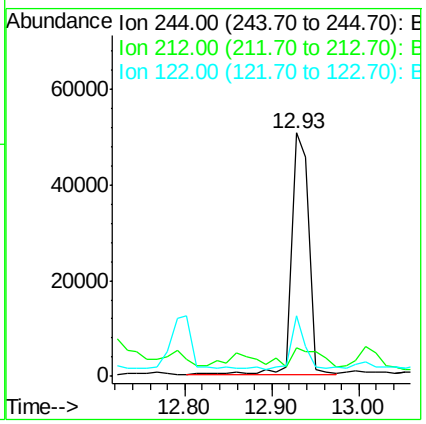


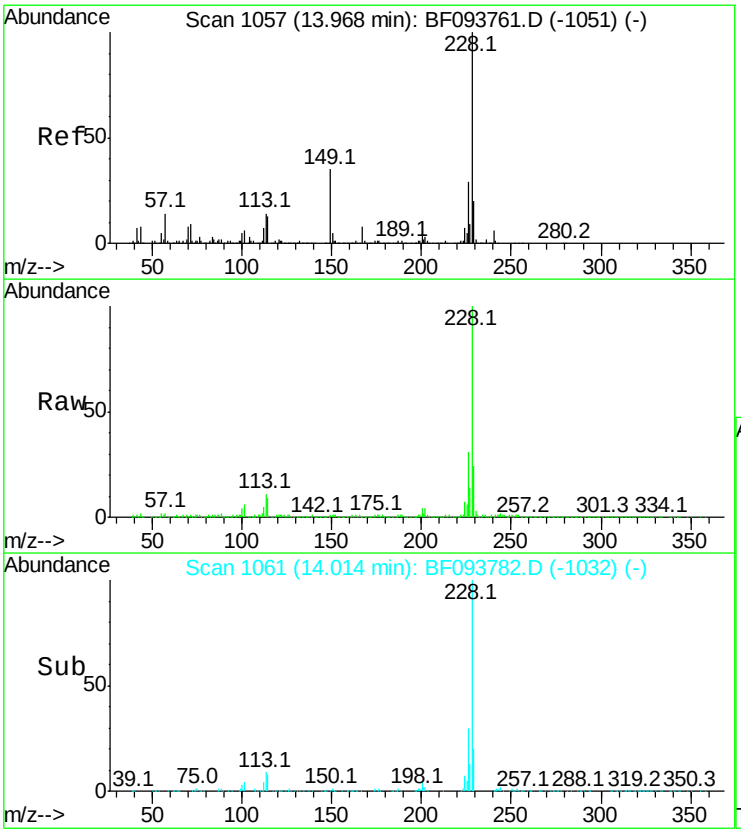
#78
Terphenyl-d14
Concen: 4.12 ng
RT: 12.93 min Scan# 966
Delta R.T. -0.02 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:244 Resp: 70181

Ion	Ratio	Lower	Upper
244	100		
212	11.5	6.0	9.0#
122	24.8	10.3	15.5#

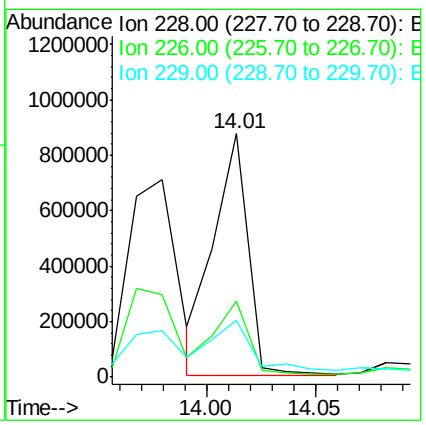


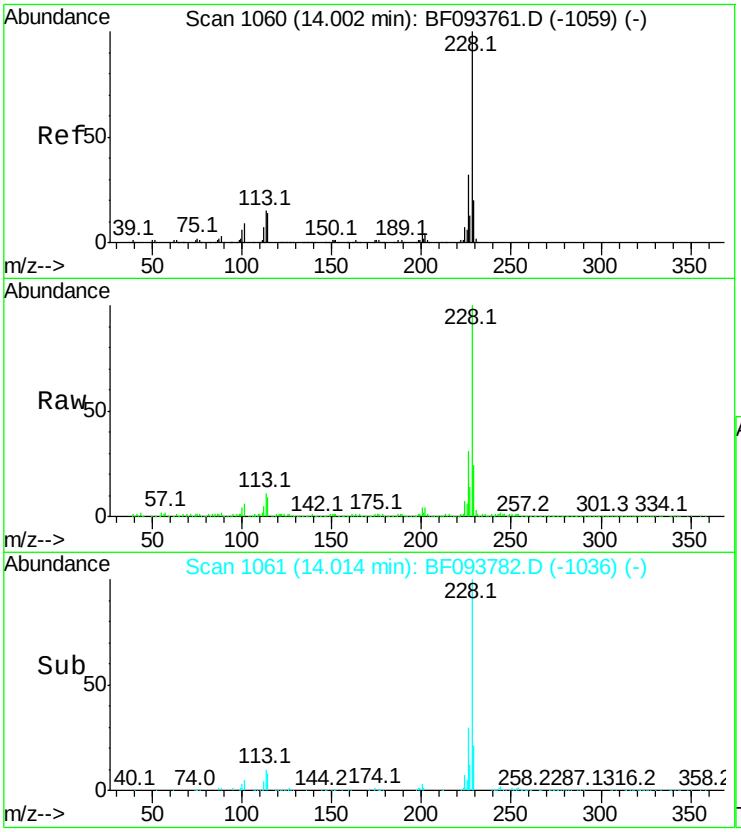


#80
Benzo(a)anthracene
Concen: 43.23 ng
RT: 14.01 min Scan# 1061
Delta R.T. 0.03 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:228 Resp: 940960

Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	33.8
229	23.5	16.3	24.5



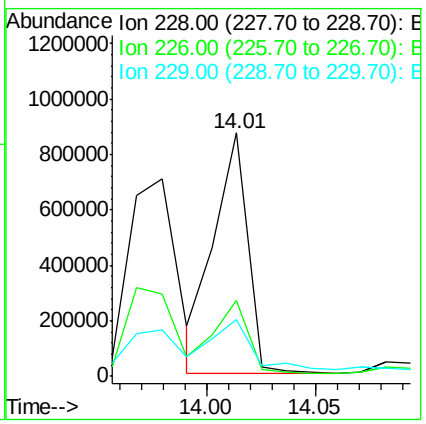


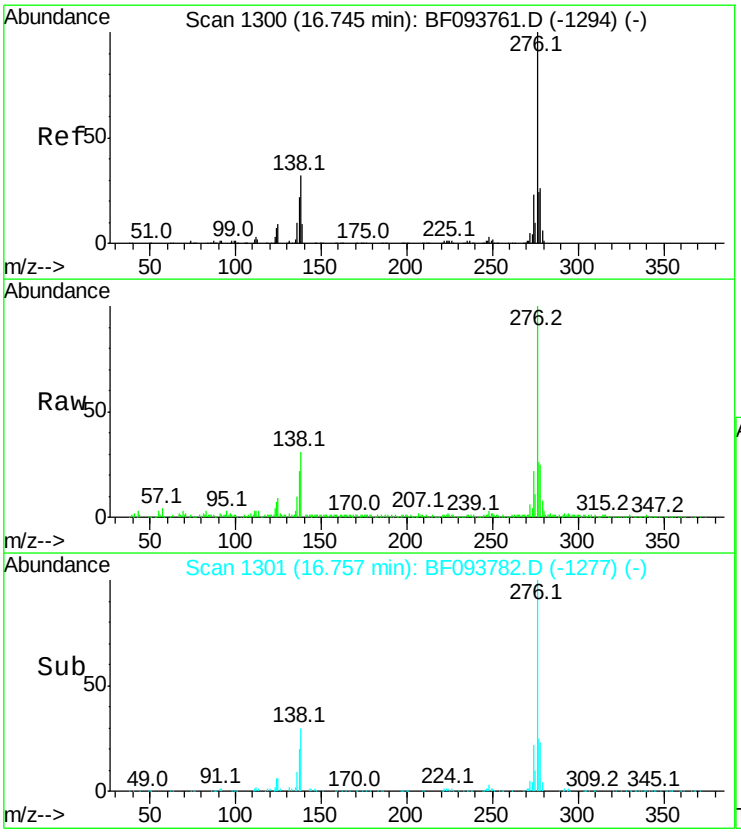
#82
Chrysene
Concen: 43.00 ng
RT: 14.01 min Scan# 1061
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:228 Resp: 935139

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	23.5	15.8	23.6

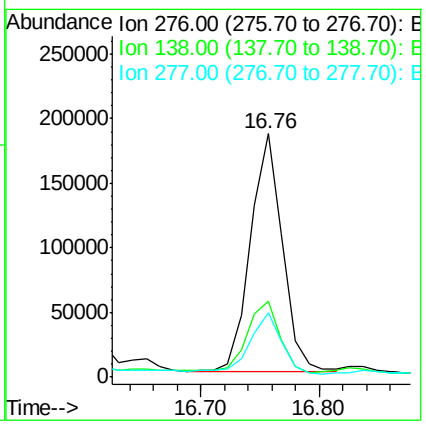


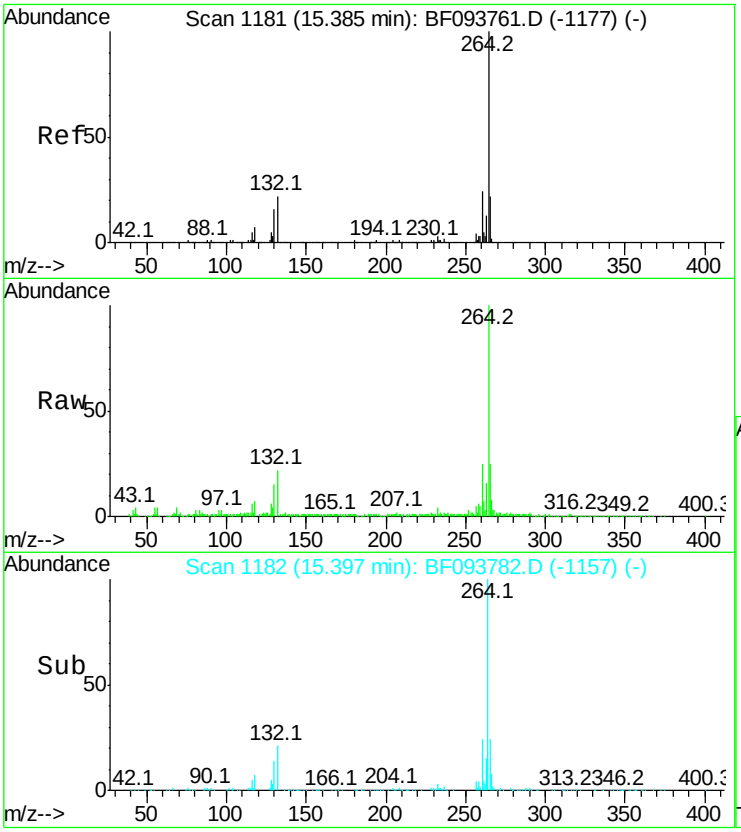


#85
Indeno(1,2,3-cd)pyrene
Concen: 19.39 ng
RT: 16.76 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:276 Resp: 345342

Ion	Ratio	Lower	Upper
276	100		
138	30.2	27.8	41.6
277	26.1	20.2	30.4



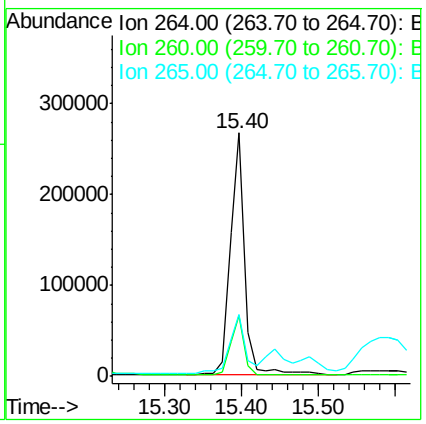


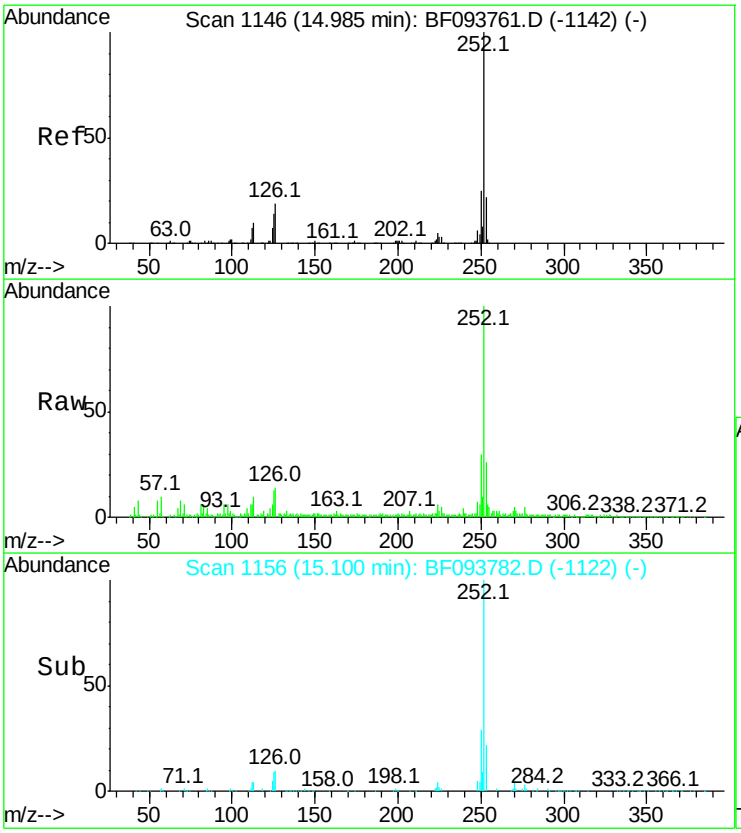
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:264 Resp: 357459

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	25.4	17.2	25.8

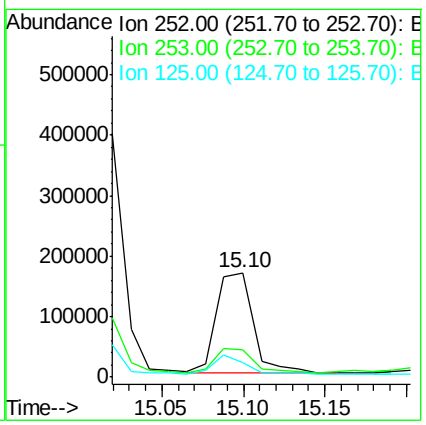


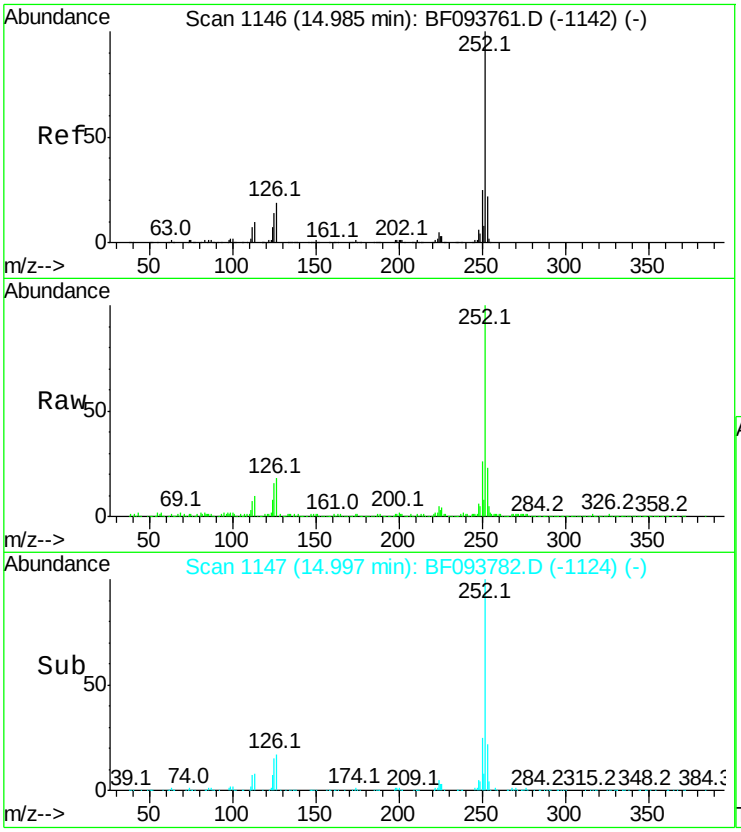


#87
Benzo(b)fluoranthene
Concen: 10.77 ng
RT: 15.10 min Scan# 1156
Delta R.T. 0.09 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:252 Resp: 259604

Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.1	27.1
125	13.3	9.8	14.8



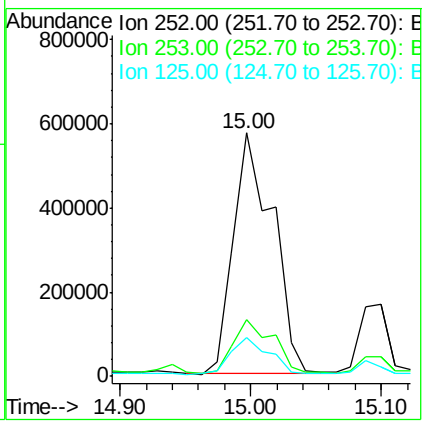


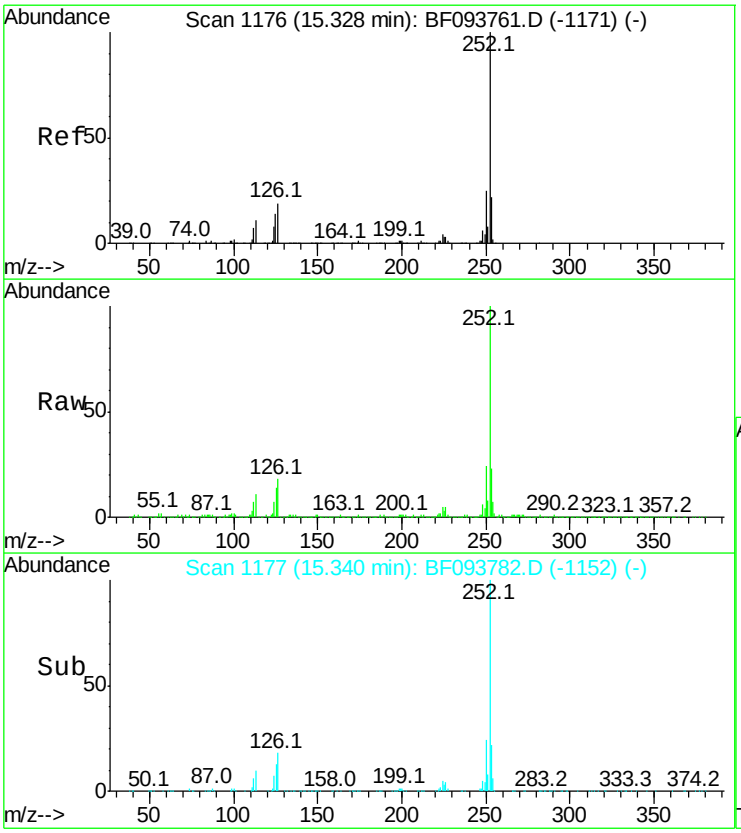
#88
Benzo(k)fluoranthene
Concen: 67.51 ng
RT: 15.00 min Scan# 1147
Delta R.T. -0.03 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:252 Resp: 1201288

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	16.2	13.1	19.7

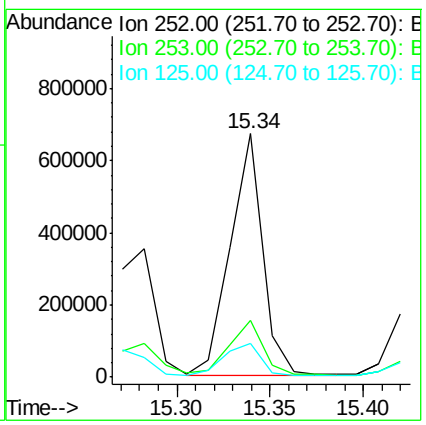


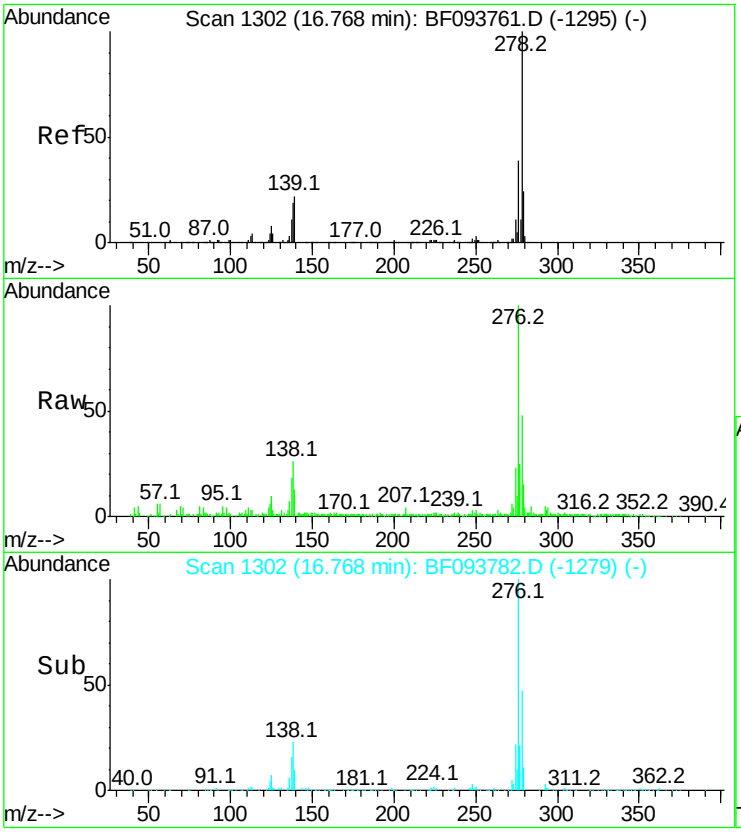


#89
Benzo(a)pyrene
Concen: 41.92 ng
RT: 15.34 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:252 Resp: 819123

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	13.9	11.0	16.4



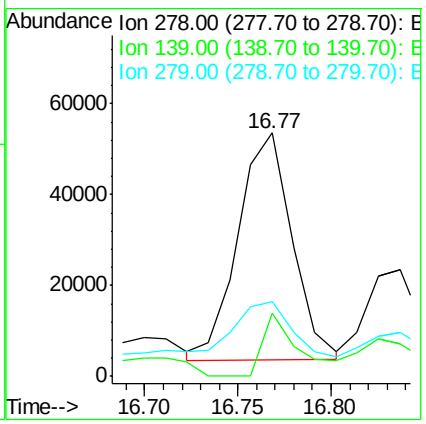


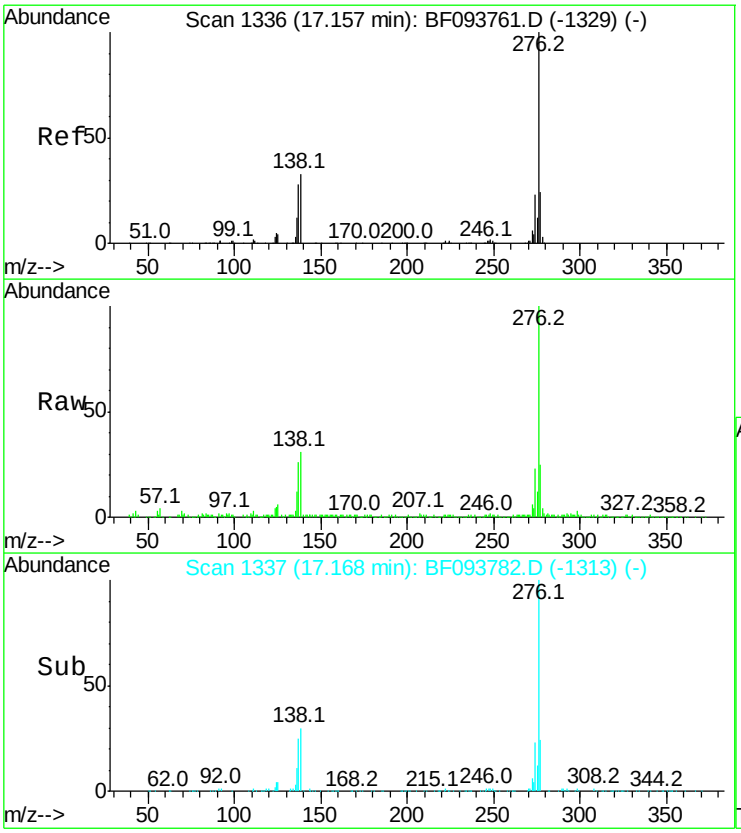
#90
Dibenzo(a,h)anthracene
Concen: 6.21 ng
RT: 16.77 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
HP-CT-02

Tgt Ion:278 Resp: 100732

Ion	Ratio	Lower	Upper
278	100		
139	26.2	16.6	24.8#
279	30.5	19.3	28.9#





#91
Benzo(g,h,i)perylene
Concen: 22.98 ng
RT: 17.17 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF093782.D
Acq: 20 Mar 2017 23:32

Tgt Ion:276 Resp: 370063

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	31.0	25.4	38.0