Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
Data File : BF093780.D
Acq On : 20 Mar 2017 22:38
Operator : SJ/MA
Sample : I2318-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-CT-00

Quant Time: Mar 21 01:06:38 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	243752	20.00	ng		-0.01
21) Naphthalene-d8	8.13	136	846922	20.00	ng		-0.01
38) Acenaphthene-d10	9.88	164	404792	20.00	ng		-0.01
63) Phenanthrene-d10	11.36	188	554780	20.00	ng		0.00
75) Chrysene-d12	13.99	240	351850	20.00	ng		-0.01
86) Perylene-d12	15.40	264	364524	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	77433	5.56	ng		-0.02
7) Phenol-d6	6.45	99	95230	5.53	ng		-0.03
23) Nitrobenzene-d5	7.38	82	52758	3.53	ng		-0.02
41) 2,4,6-Tribromophenol	10.65	330	10892	3.47	ng		-0.02
44) 2-Fluorobiphenyl	9.20	172	115171	4.78	ng		-0.01
78) Terphenyl-d14	12.94	244	61804	3.58	ng		-0.01
Target Compounds							Qvalue
18) Hexachloroethane	7.41	117	35486	5.64	ng	#	1
31) Naphthalene	8.16	128	8257887	210.07	ng		96
32) Benzoic acid	7.91	122	16581	2.01	ng	#	41
33) 4-Chloroaniline	8.16	127	1203429	71.24	ng	#	32
37) 2-Methylnaphthalene	8.85	142	2621955	102.18	ng		99
45) 1,1'-Biphenyl	9.29	154	831672	25.28	ng		96
46) 2-Chloronaphthalene	9.37	162	124888	4.95	ng	#	49
48) Acenaphthylene	9.74	152	2151931	52.42	ng		97
51) Acenaphthene	9.91	154	670905	27.36	ng		97
54) Dibenzofuran	10.08	168	1061171	32.16	ng	#	96
55) 4-Nitrophenol	9.91	139	16510	2.90	ng		83
56) 2,4-Dinitrotoluene	10.08	165	40303	5.02	ng	#	1
57) Fluorene	10.42	166	2070652	81.95	ng		98
65) n-Nitrosodiphenylamine	10.54	169	158347	8.56	ng	#	85
70) Phenanthrene	11.40	178	4733471	160.21	ng		98
71) Anthracene	11.44	178	2139382	70.33	ng		99
72) Carbazole	11.58	167	526993	17.50	ng		99
74) Fluoranthene	12.57	202	2579699	84.94	ng		98
77) Pyrene	12.80	202	3595791	122.80	ng		98
80) Benzo(a)anthracene	13.98	228	1571814	71.32	ng	#	77
82) Chrysene	13.98	228	1571814	71.38	ng	#	80
85) Indeno(1,2,3-cd)pyrene	16.77	276	423942	23.51	ng		96
87) Benzo(b)fluoranthene	15.01	252	1435849	58.43	ng	#	95
88) Benzo(k)fluoranthene	15.01	252	1435849	79.13	ng		99
89) Benzo(a)pyrene	15.35	252	1108335	55.62	ng		95
90) Dibenzo(a,h)anthracene	16.77	278	124916	7.55	ng	#	81
91) Benzo(g,h,i)perylene	17.18	276	502485	30.60	ng		99

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

Quantitation Report (Not Reviewed)

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Acq On : 20 Mar 2017 22:38
Operator : SJ/MA
Sample : I2318-01 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Quant Time: Mar 21 01:06:38 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 20 16:03:59 2017
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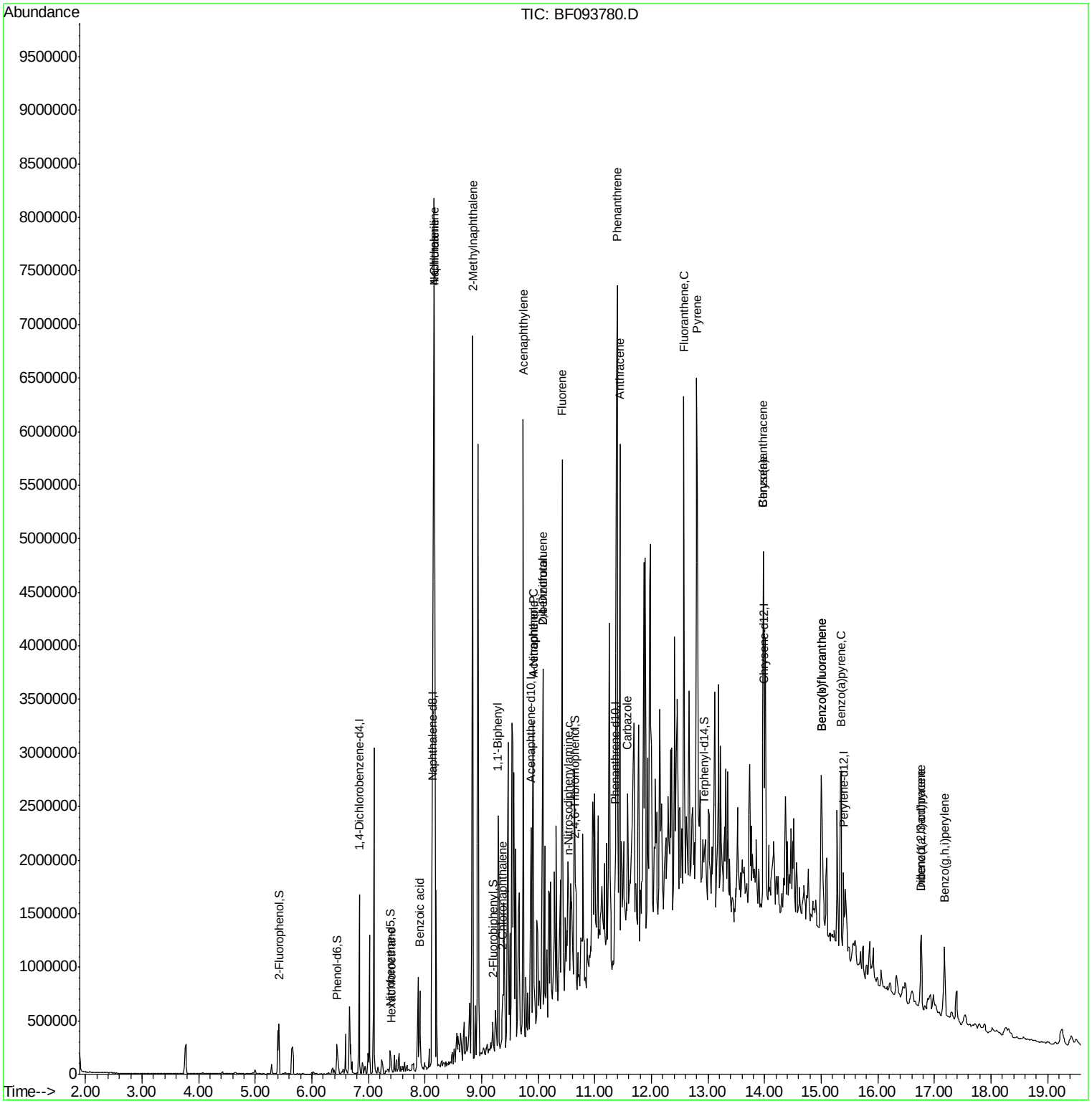
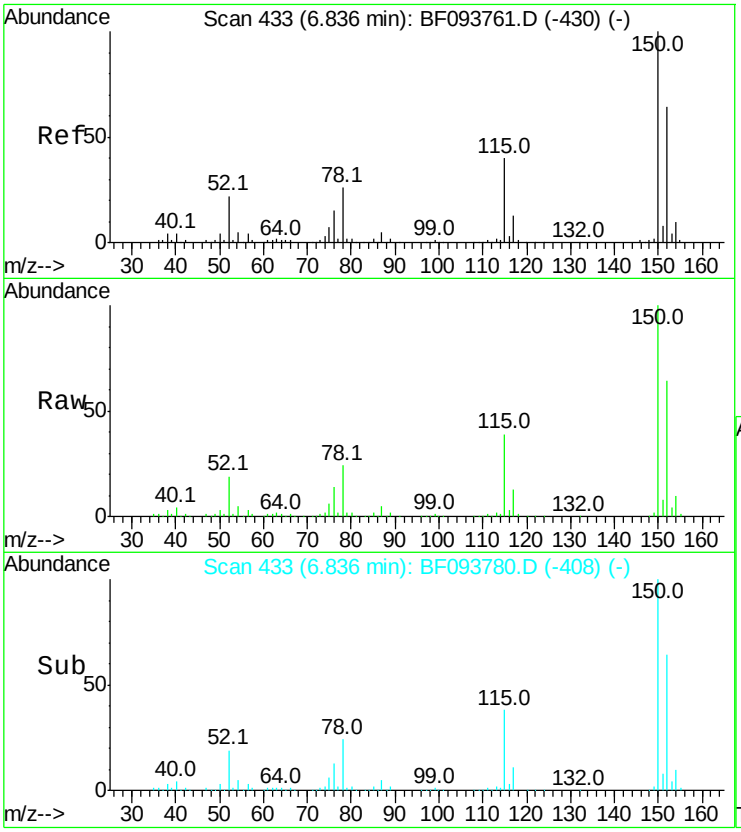


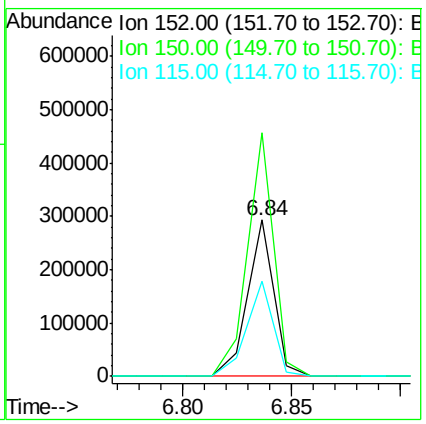


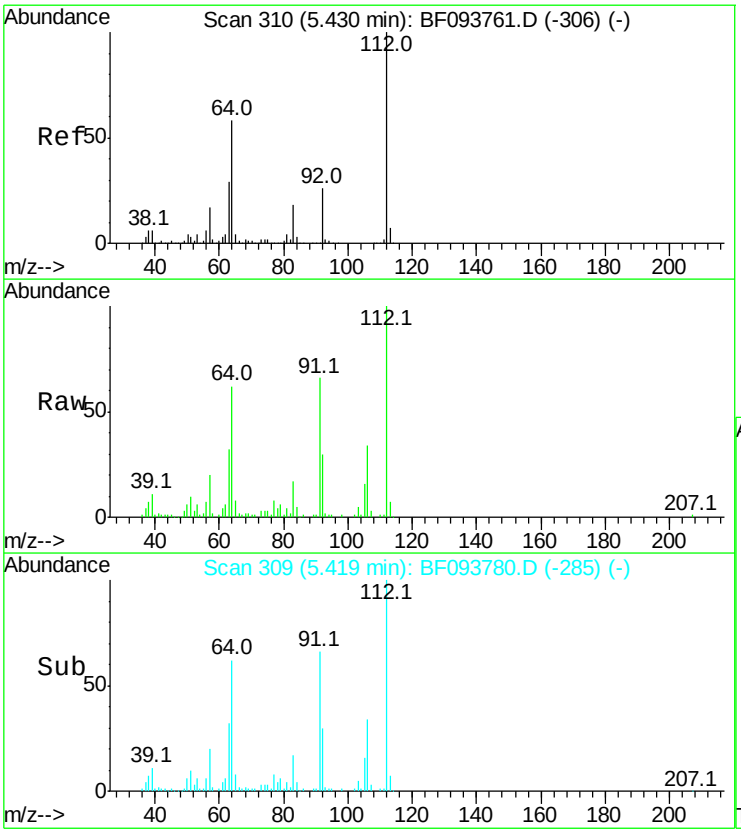
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 433
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:152 Resp: 243752

Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.2	189.2
115	60.8	52.2	78.2

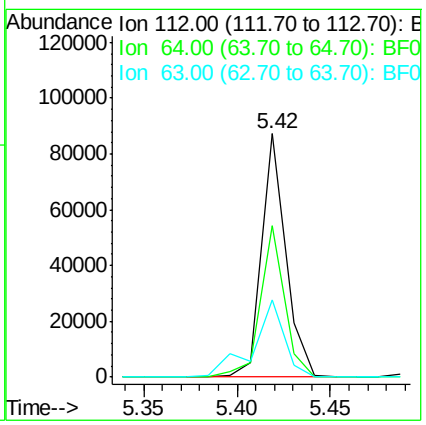


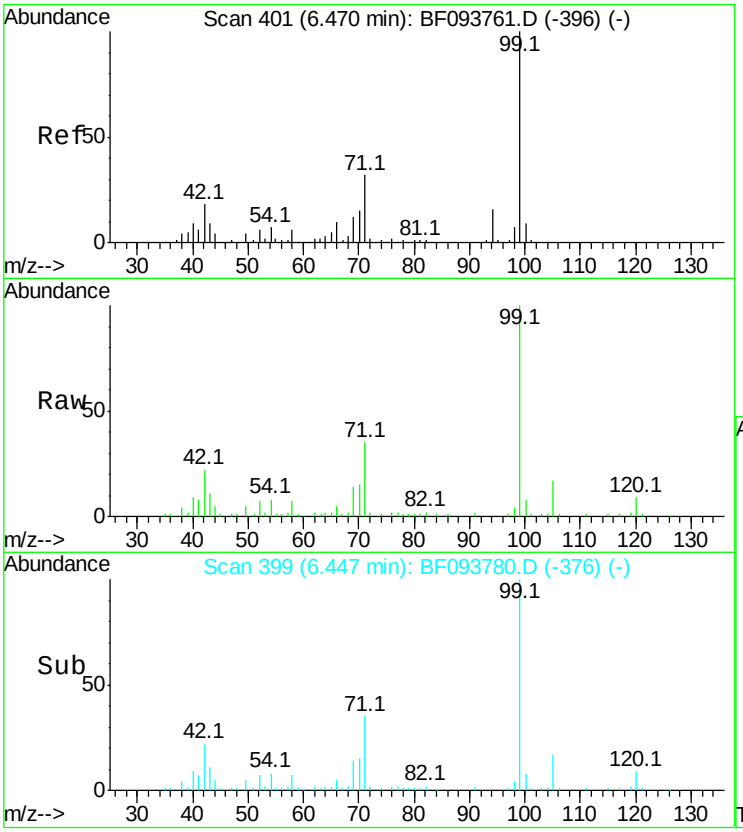


#5
2-Fluorophenol
Concen: 5.56 ng
RT: 5.42 min Scan# 309
Delta R.T. -0.02 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:112 Resp: 77433

Ion	Ratio	Lower	Upper
112	100		
64	62.0	46.0	69.0
63	31.9	23.4	35.0



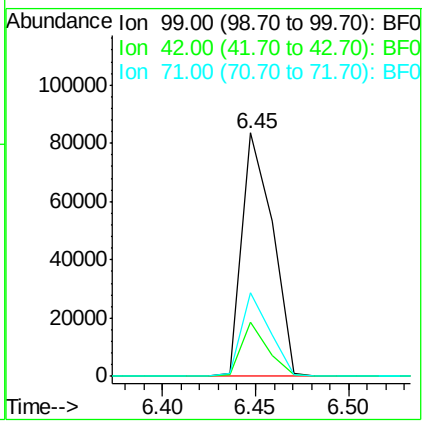


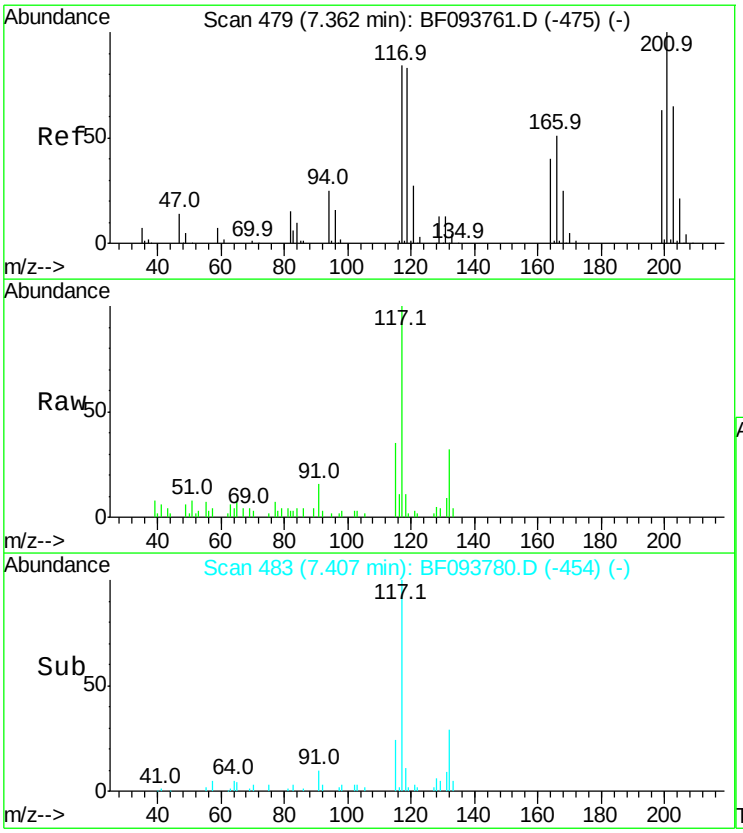
#7
Phenol-d6
Concen: 5.53 ng
RT: 6.45 min Scan# 399
Delta R.T. -0.03 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion: 99 Resp: 95230

Ion	Ratio	Lower	Upper
99	100		
42	22.3	13.5	20.3#
71	34.5	24.5	36.7

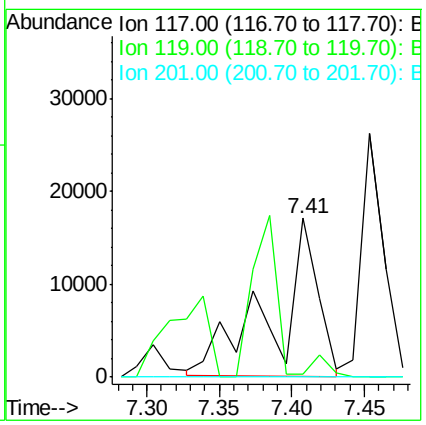


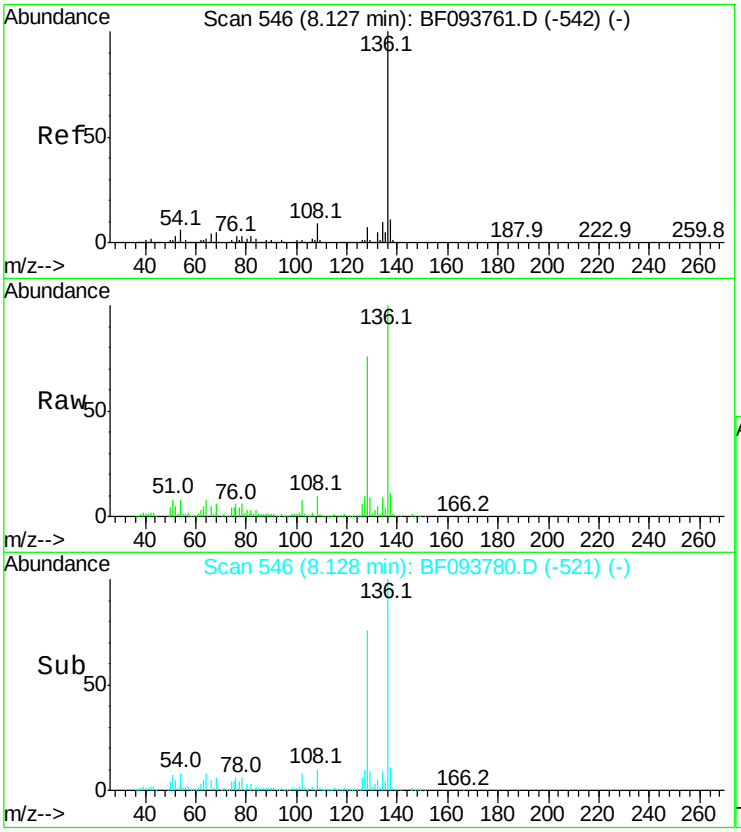


#18
Hexachloroethane
Concen: 5.64 ng
RT: 7.41 min Scan# 483
Delta R.T. 0.03 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:117 Resp: 35486

Ion	Ratio	Lower	Upper
117	100		
119	1.8	77.4	116.0#
201	0.0	94.6	141.8#



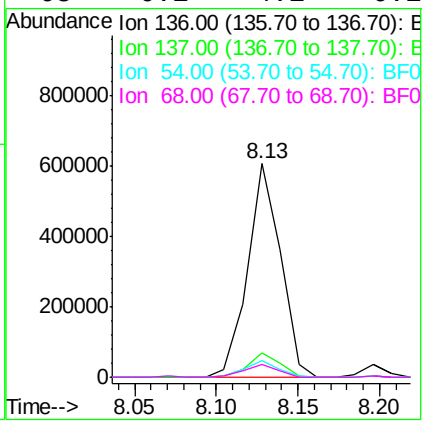


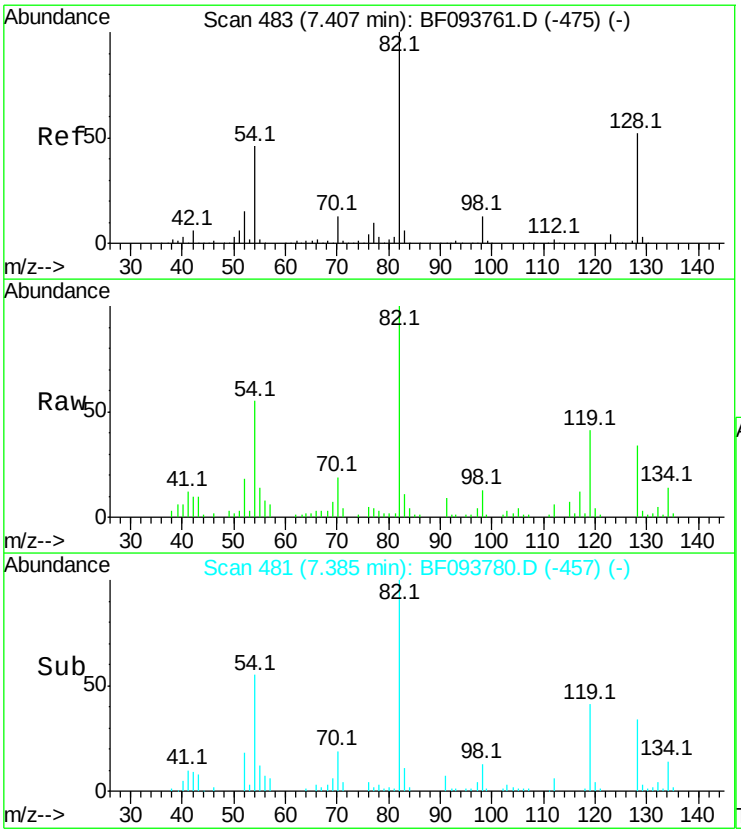
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:136 Resp: 846922

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	7.9	4.9	7.3#
68	6.1	4.1	6.1

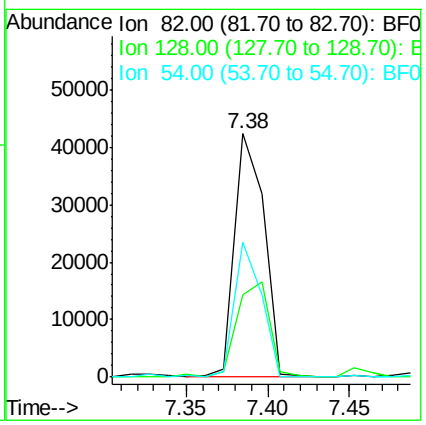


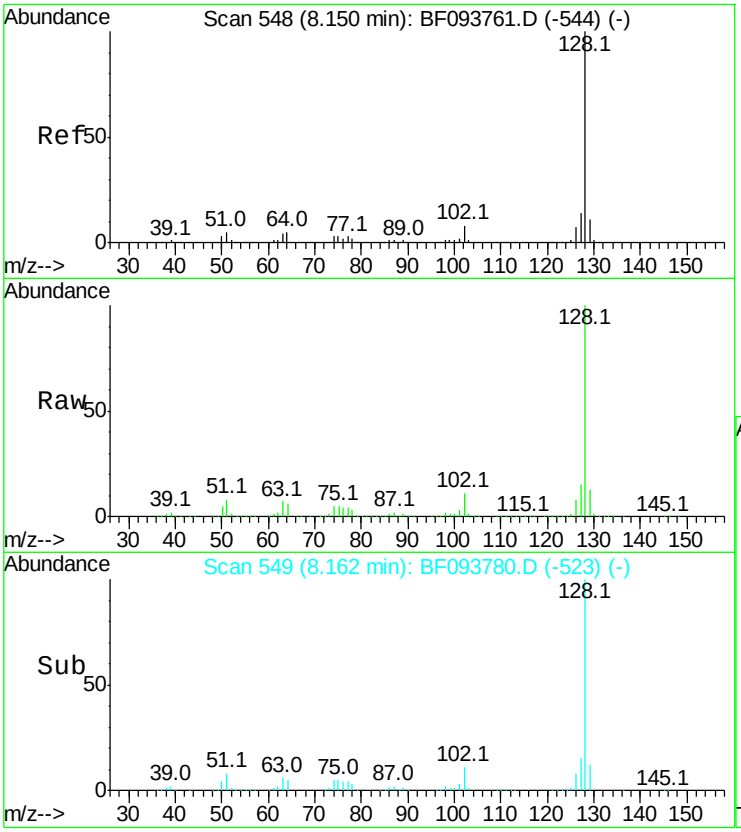


#23
Nitrobenzene-d5
Concen: 3.53 ng
RT: 7.38 min Scan# 481
Delta R.T. -0.02 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion: 82 Resp: 52758

Ion	Ratio	Lower	Upper
82	100		
128	33.8	34.0	51.0#
54	55.2	42.2	63.2



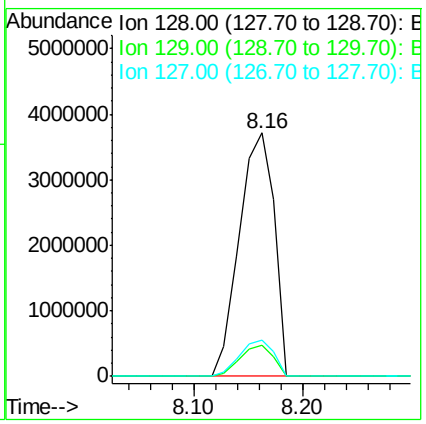


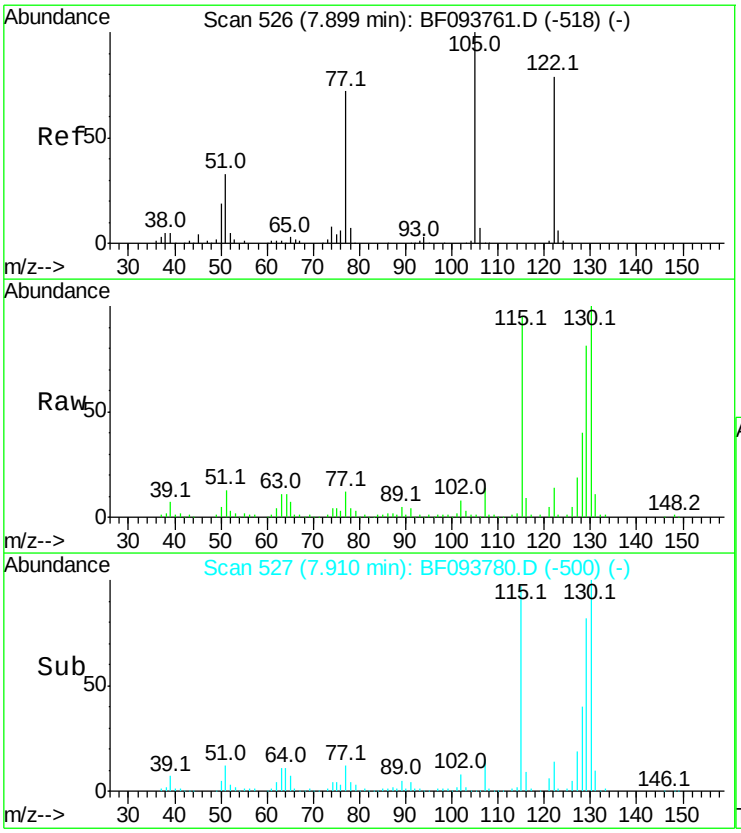
#31
Naphthalene
Concen: 210.07 ng
RT: 8.16 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:128 Resp: 8257887

Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.0	13.6
127	15.1	10.8	16.2

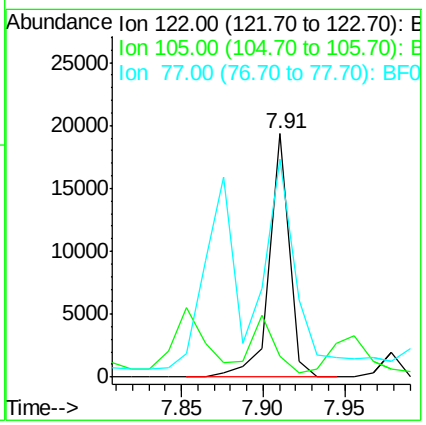


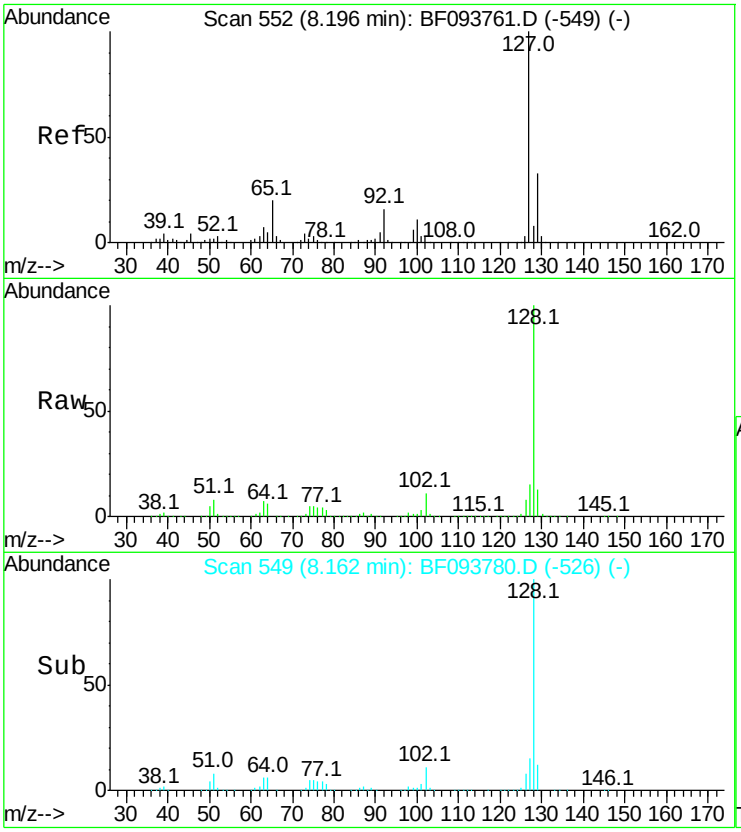


#32
Benzoic acid
Concen: 2.01 ng
RT: 7.91 min Scan# 527
Delta R.T. 0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:122 Resp: 16581

Ion	Ratio	Lower	Upper
122	100		
105	8.8	103.3	143.3#
77	89.6	73.7	113.7



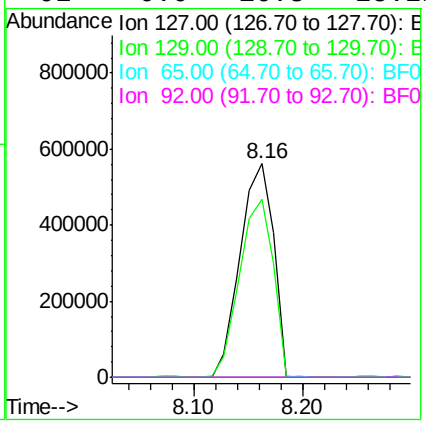


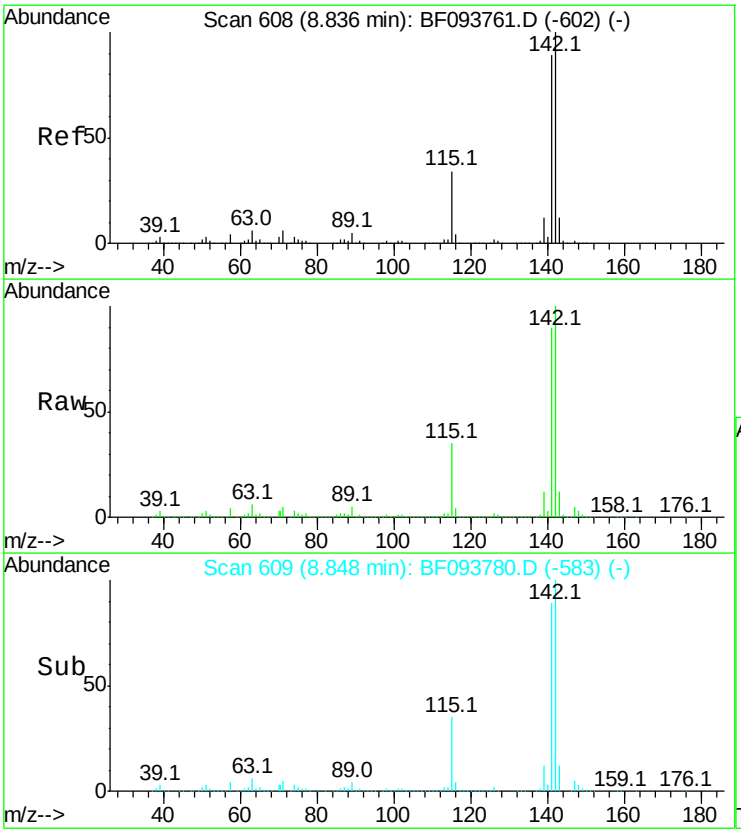
#33
4-Chloroaniline
Concen: 71.24 ng
RT: 8.16 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:127 Resp: 1203429

Ion	Ratio	Lower	Upper
127	100		
129	83.5	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

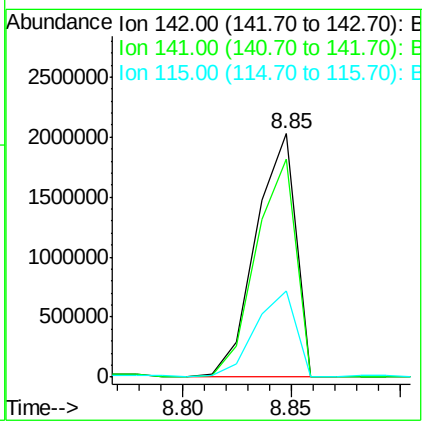


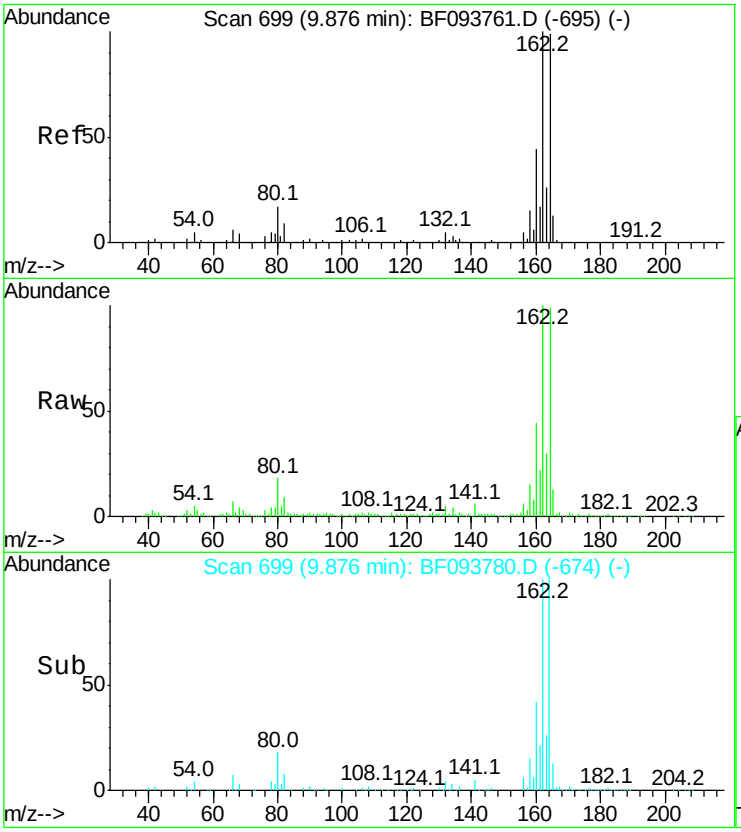


#37
2-Methylnaphthalene
Concen: 102.18 ng
RT: 8.85 min Scan# 609
Delta R.T. 0.00 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:142 Resp: 2621955

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.3	106.9
115	35.2	27.1	40.7



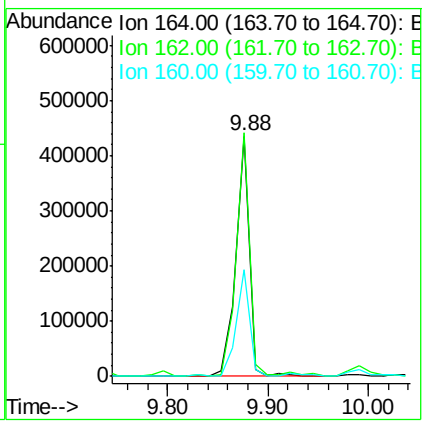


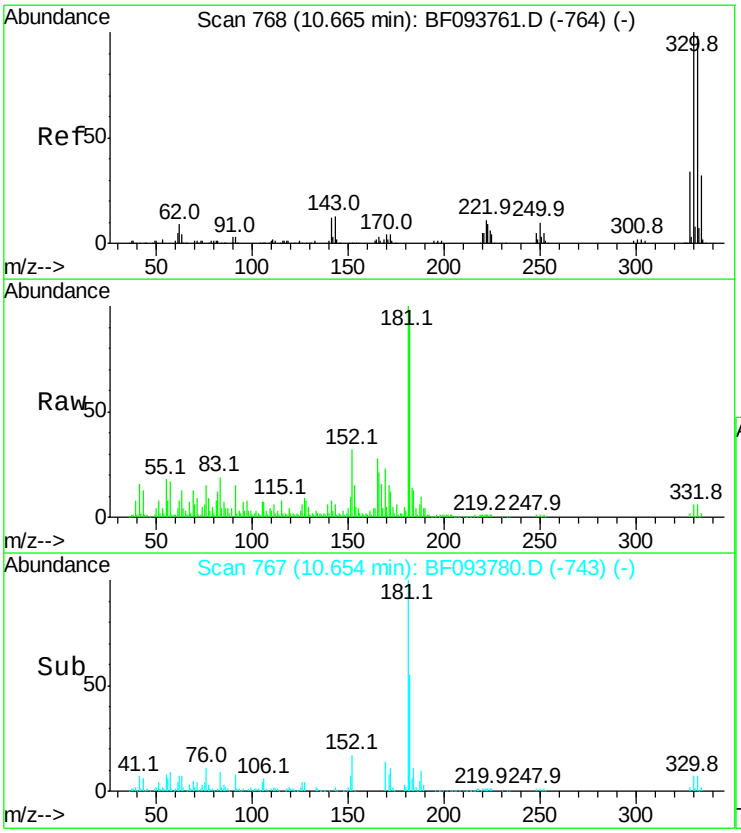
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:164 Resp: 404792

Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.6	123.8
160	44.6	36.2	54.2

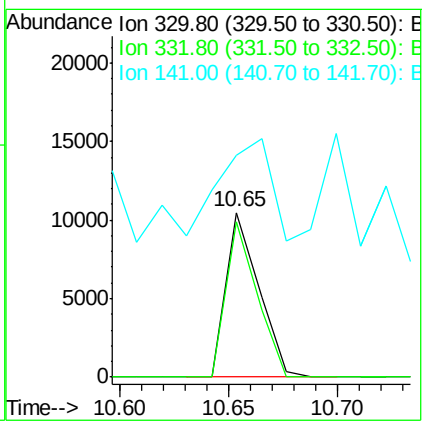


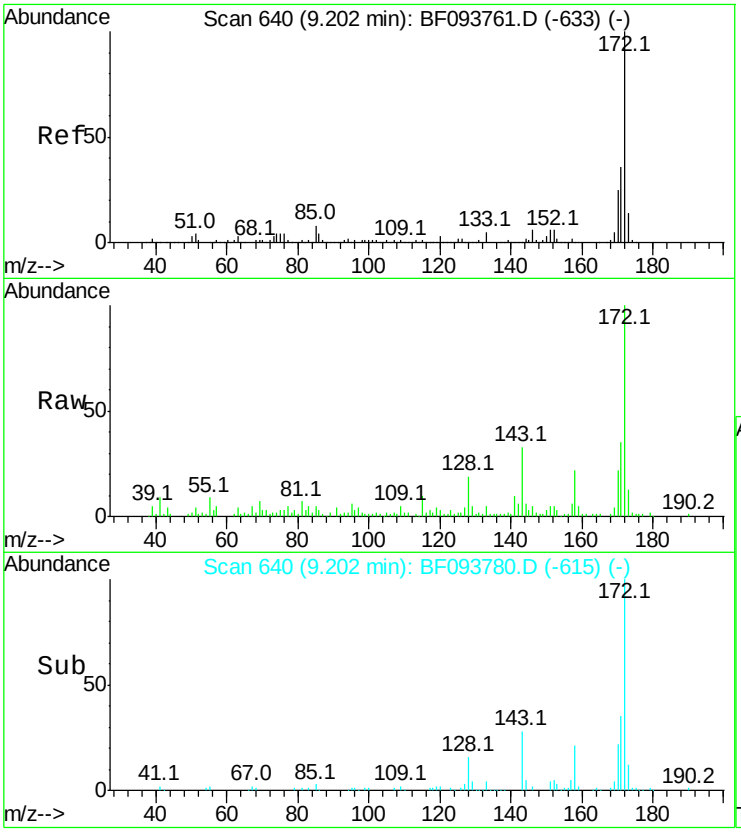


#41
2,4,6-Tribromophenol
Concen: 3.47 ng
RT: 10.65 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:330 Resp: 10892

Ion	Ratio	Lower	Upper
330	100		
332	89.5	76.6	115.0
141	96.3	31.4	47.2#



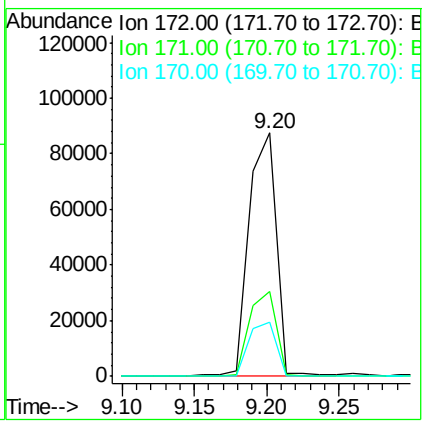


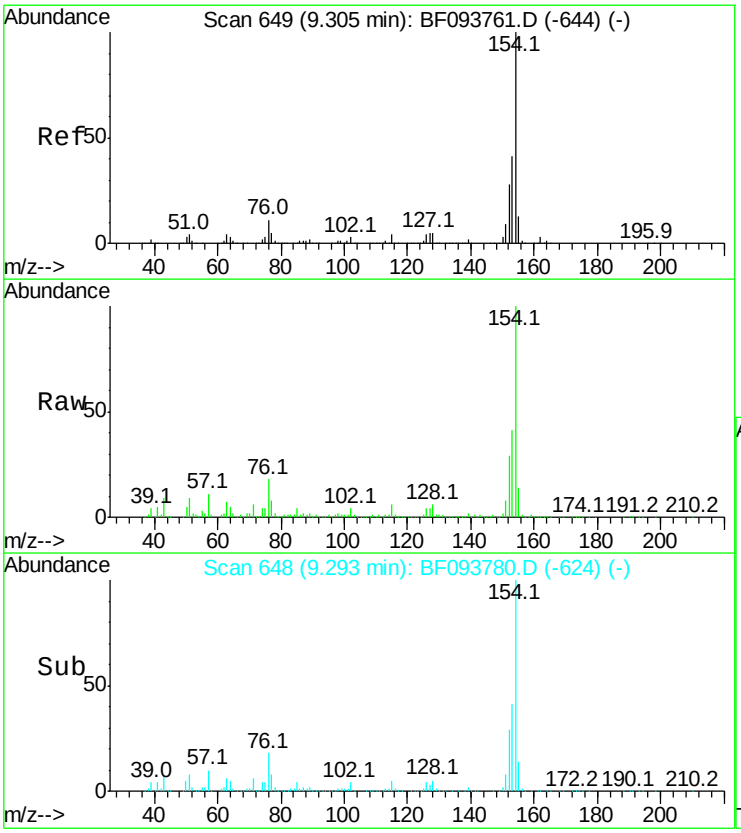
#44
2-Fluorobiphenyl
Concen: 4.78 ng
RT: 9.20 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:172 Resp: 115171

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	22.4	19.8	29.8

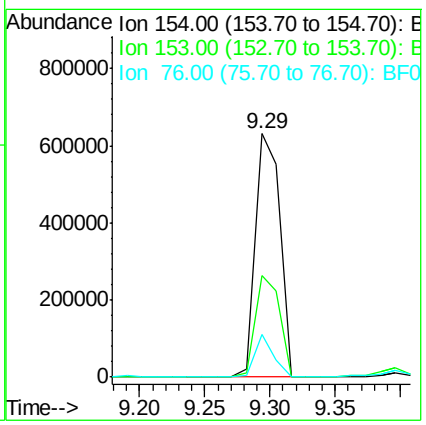


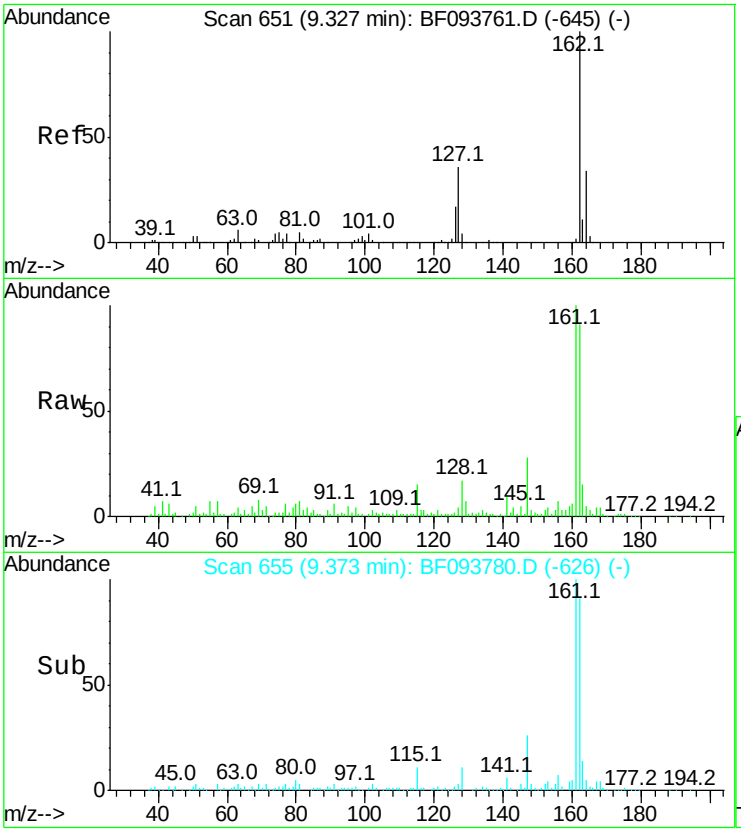


#45
1,1'-Biphenyl
Concen: 25.28 ng
RT: 9.29 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:154 Resp: 831672

Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.2	61.2
76	17.7	0.0	29.9



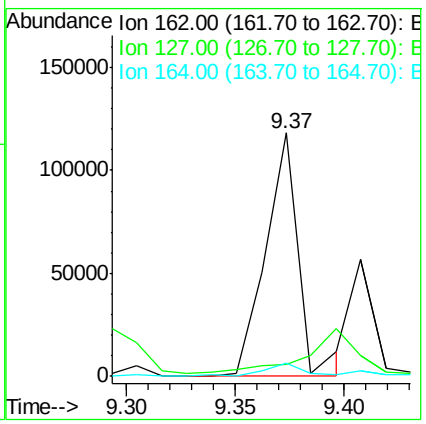


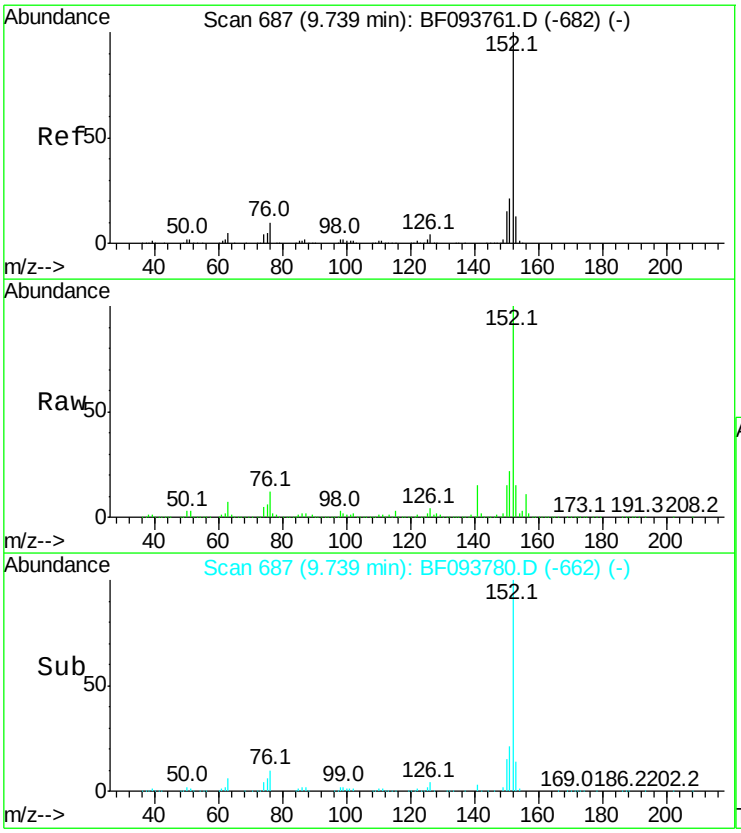
#46
2-Chloronaphthalene
Concen: 4.95 ng
RT: 9.37 min Scan# 655
Delta R.T. 0.03 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:162 Resp: 124888

Ion	Ratio	Lower	Upper
162	100		
127	4.8	28.3	42.5#
164	5.3	27.0	40.4#

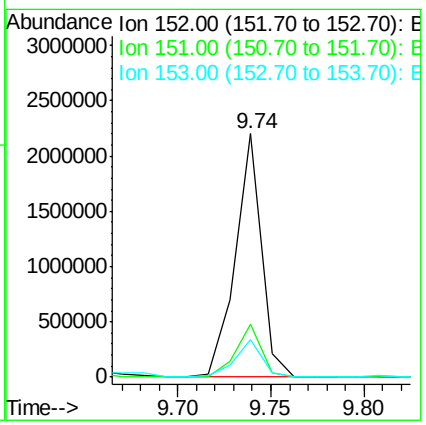


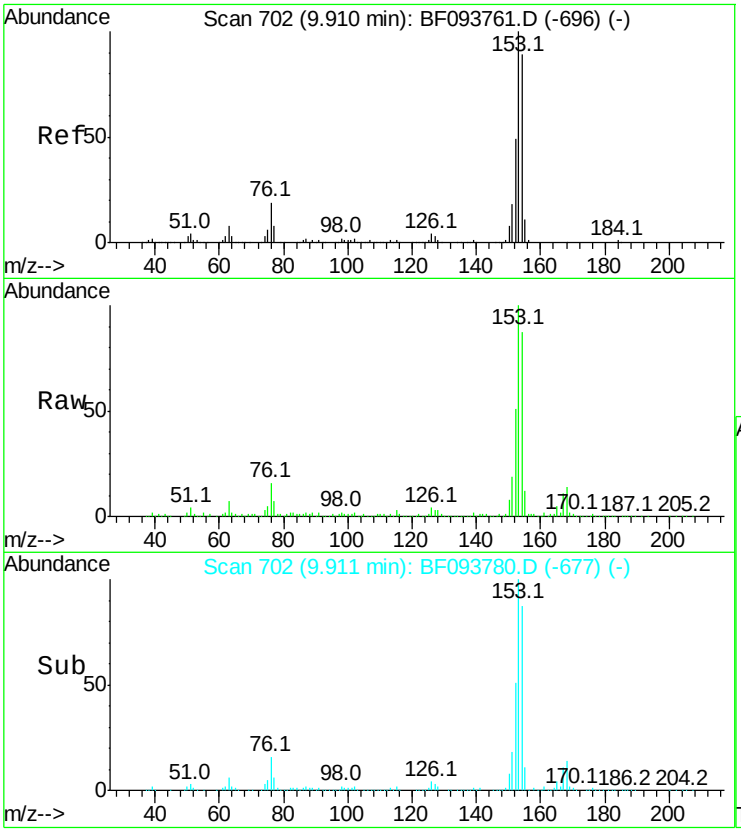


#48
Acenaphthylene
Concen: 52.42 ng
RT: 9.74 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:152 Resp: 2151931

Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.8	25.2
153	15.5	10.8	16.2



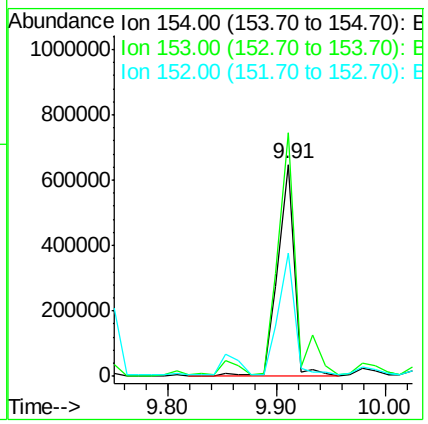


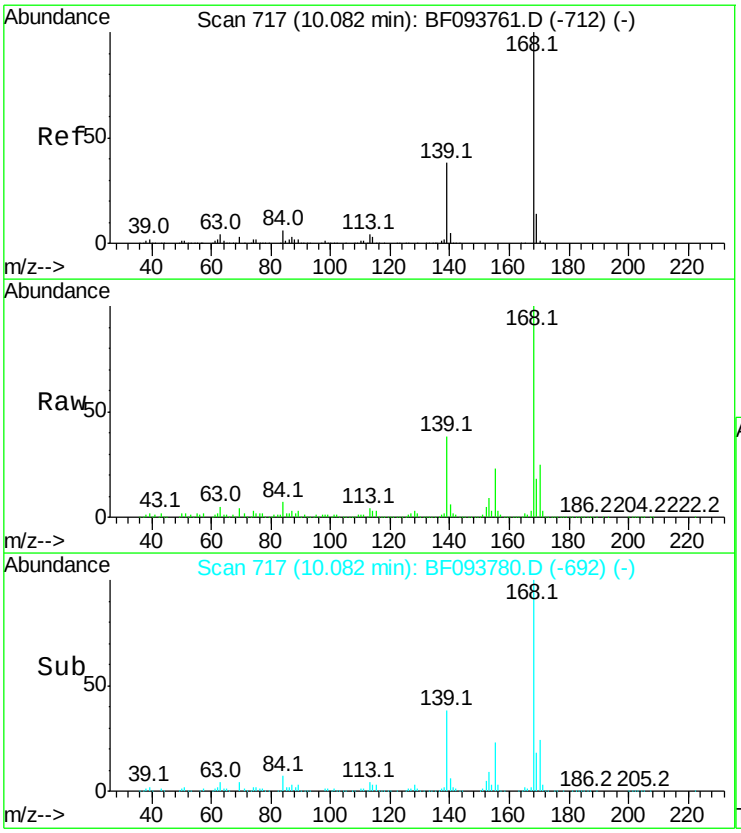
#51
Acenaphthene
Concen: 27.36 ng
RT: 9.91 min Scan# 702
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:154 Resp: 670905

Ion	Ratio	Lower	Upper
154	100		
153	114.8	90.5	135.7
152	58.1	43.6	65.4

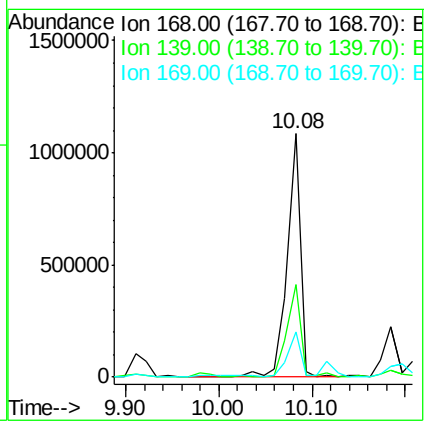


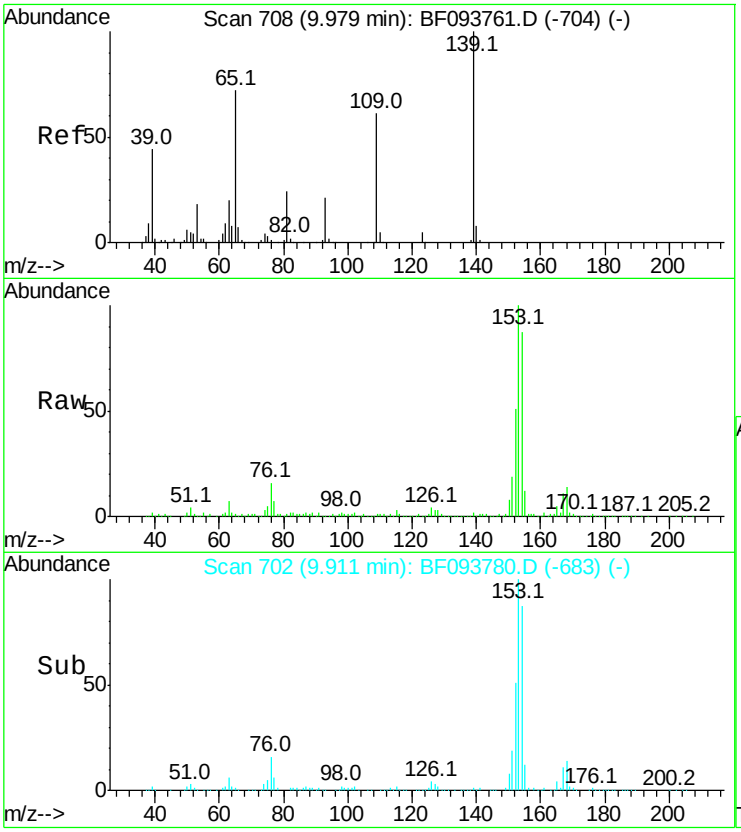


#54
Dibenzofuran
Concen: 32.16 ng
RT: 10.08 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:168 Resp: 1061171

Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.6	45.8
169	18.4	10.8	16.2#



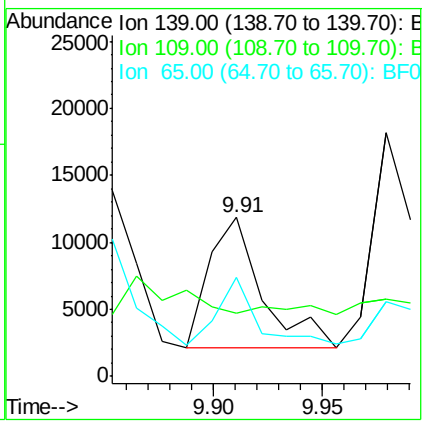


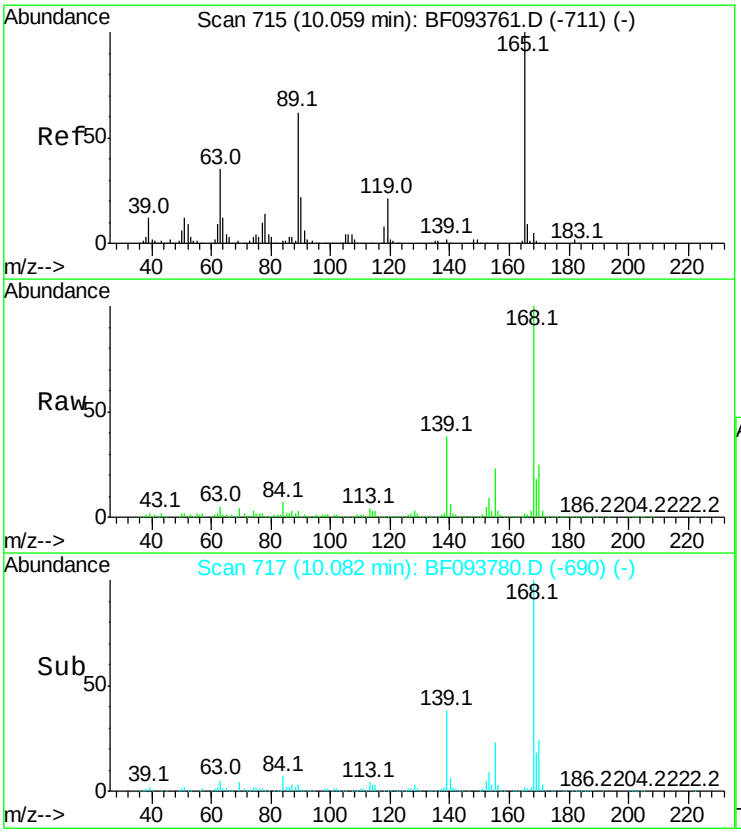
#55
4-Nitrophenol
Concen: 2.90 ng
RT: 9.91 min Scan# 702
Delta R.T. -0.08 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:139 Resp: 16510

Ion	Ratio	Lower	Upper
139	100		
109	40.2	34.1	74.1
65	62.0	31.4	71.4

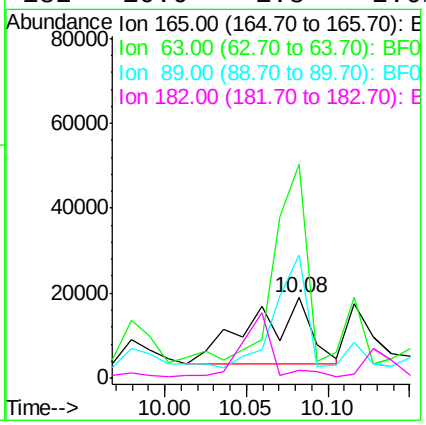


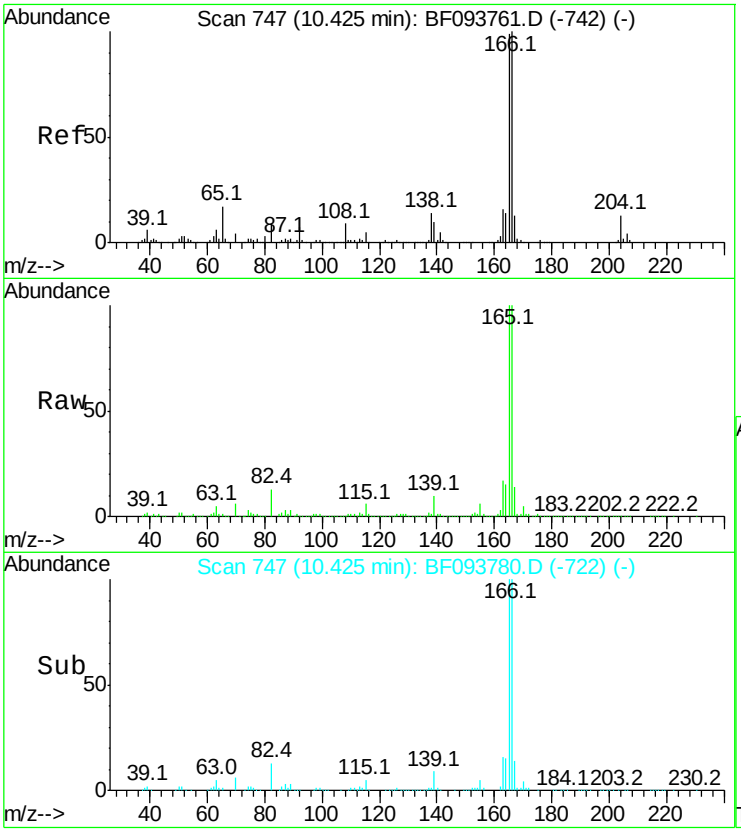


#56
2,4-Dinitrotoluene
Concen: 5.02 ng
RT: 10.08 min Scan# 717
Delta R.T. 0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:165 Resp: 40303

Ion	Ratio	Lower	Upper
165	100		
63	266.0	25.4	38.0#
89	153.3	46.4	69.6#
182	10.0	1.8	2.6#



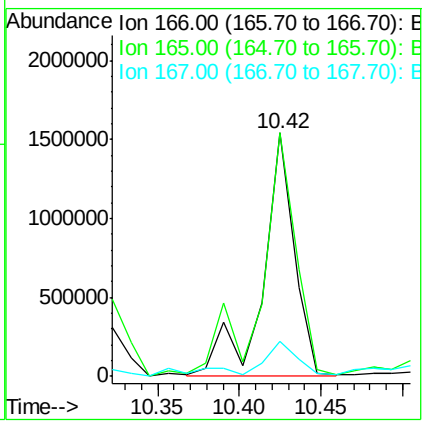


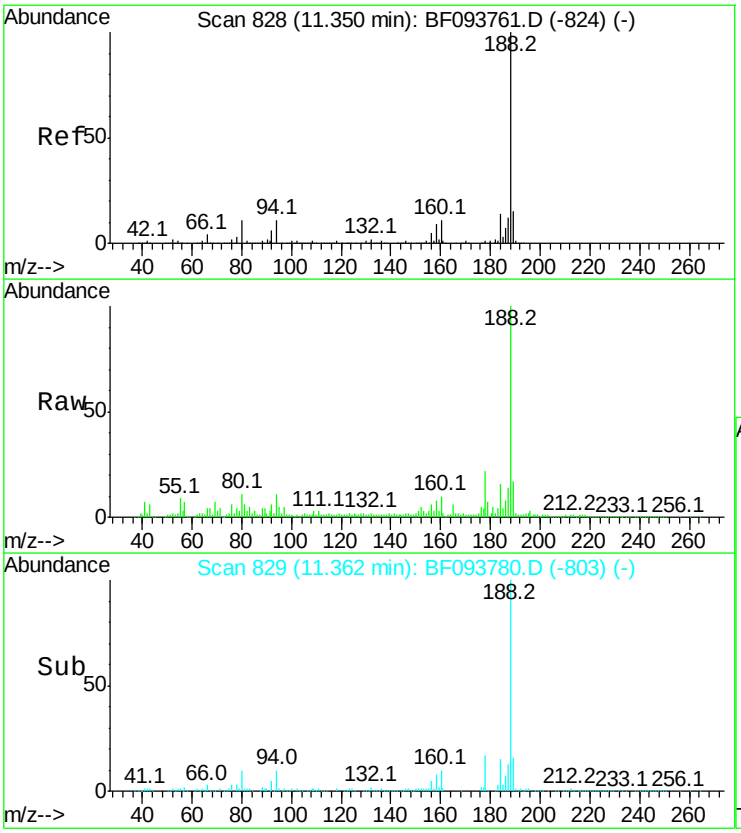
#57
Fluorene
Concen: 81.95 ng
RT: 10.42 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:166 Resp: 2070652

Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.8	118.2
167	14.4	10.6	16.0

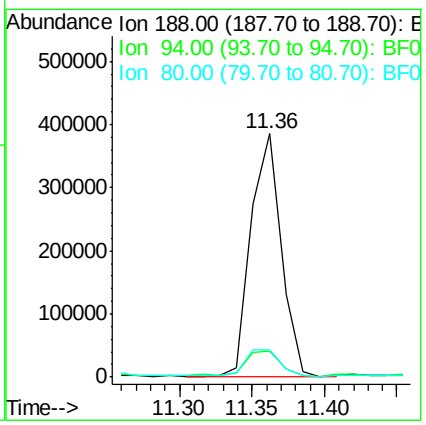


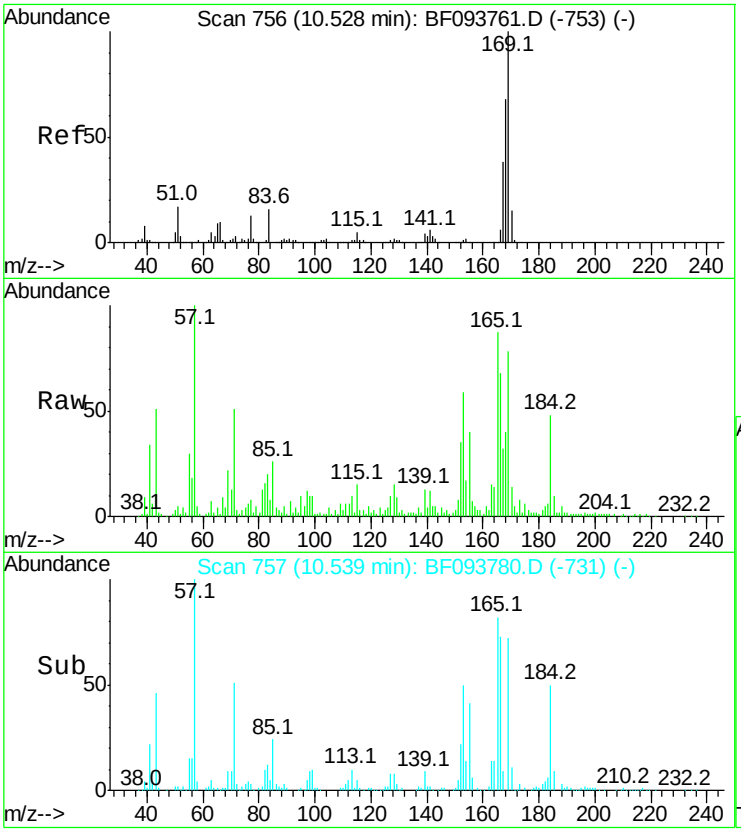


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:188 Resp: 554780

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.1	10.2	15.2



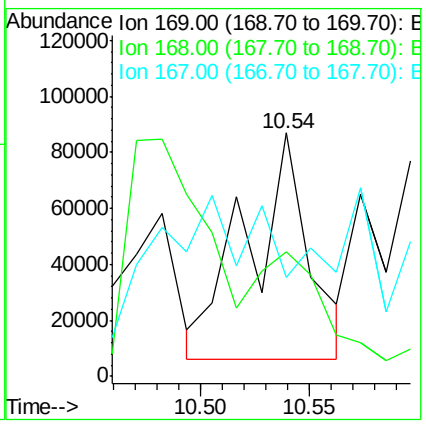


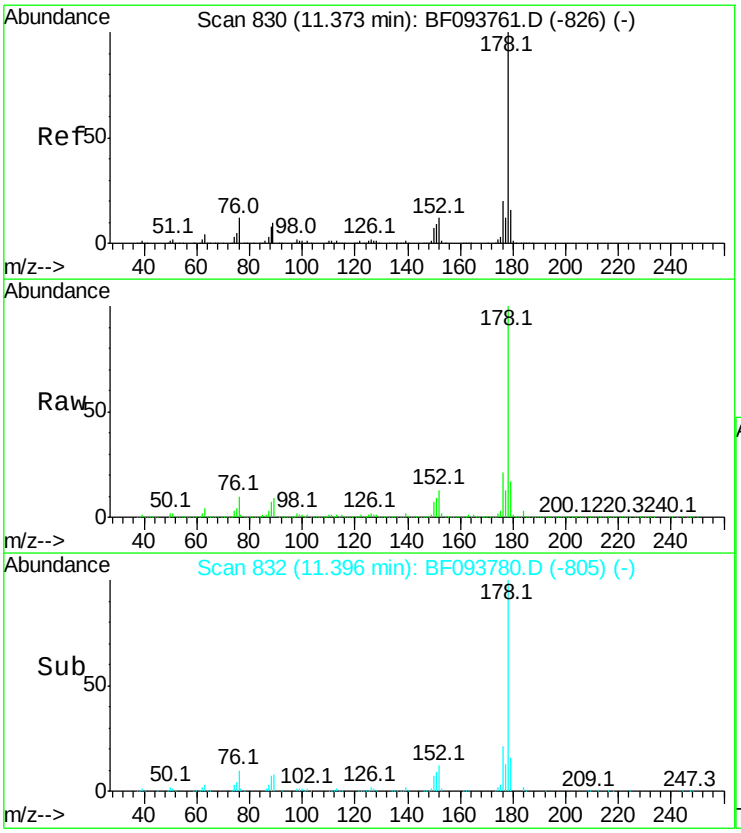
#65
n-Nitrosodiphenylamine
Concen: 8.56 ng
RT: 10.54 min Scan# 757
Delta R.T. 0.00 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:169 Resp: 158347

Ion	Ratio	Lower	Upper
169	100		
168	51.3	53.2	79.8#
167	40.7	29.5	44.3

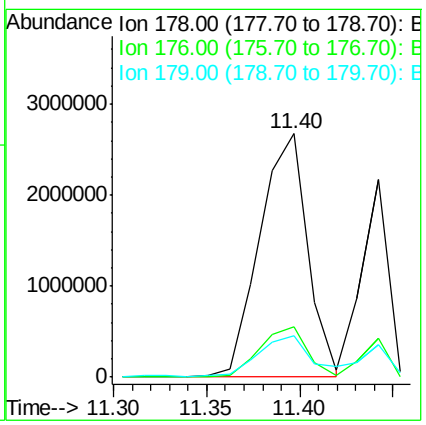


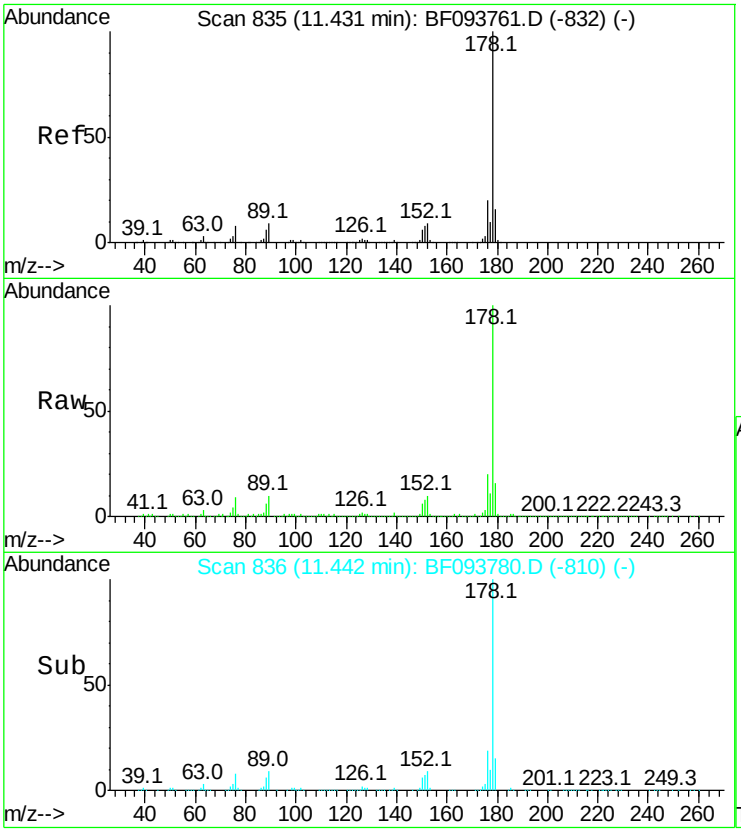


#70
Phenanthrene
Concen: 160.21 ng
RT: 11.40 min Scan# 832
Delta R.T. 0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:178 Resp: 4733471

Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.2	24.4
179	16.9	12.6	19.0



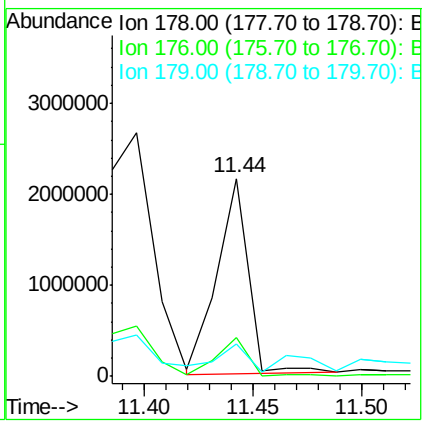


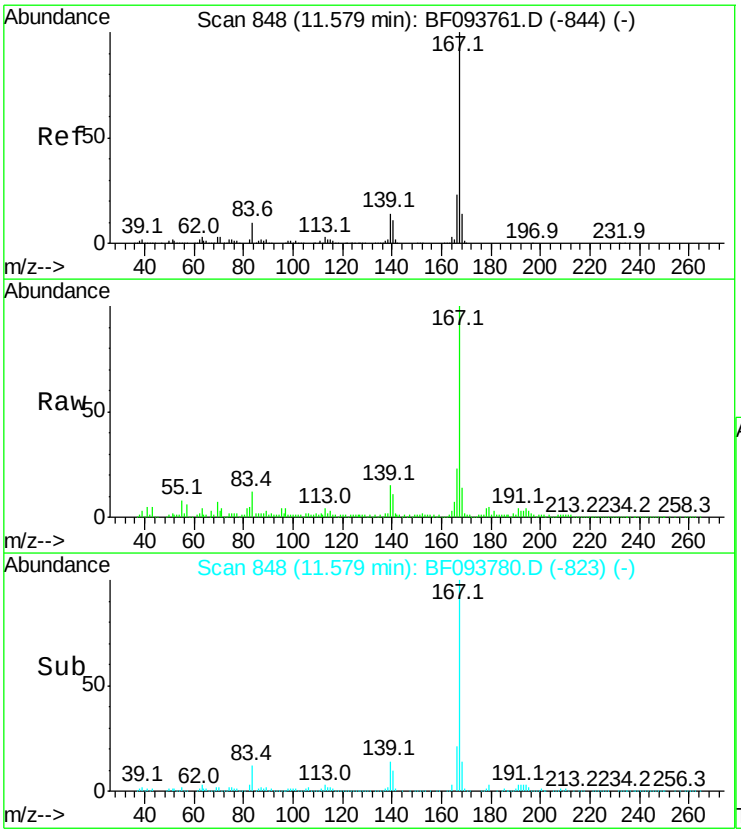
#71
Anthracene
Concen: 70.33 ng
RT: 11.44 min Scan# 836
Delta R.T. 0.00 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:178 Resp: 2139382

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	16.4	12.7	19.1

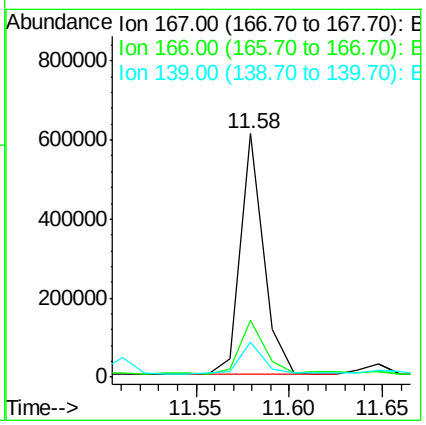


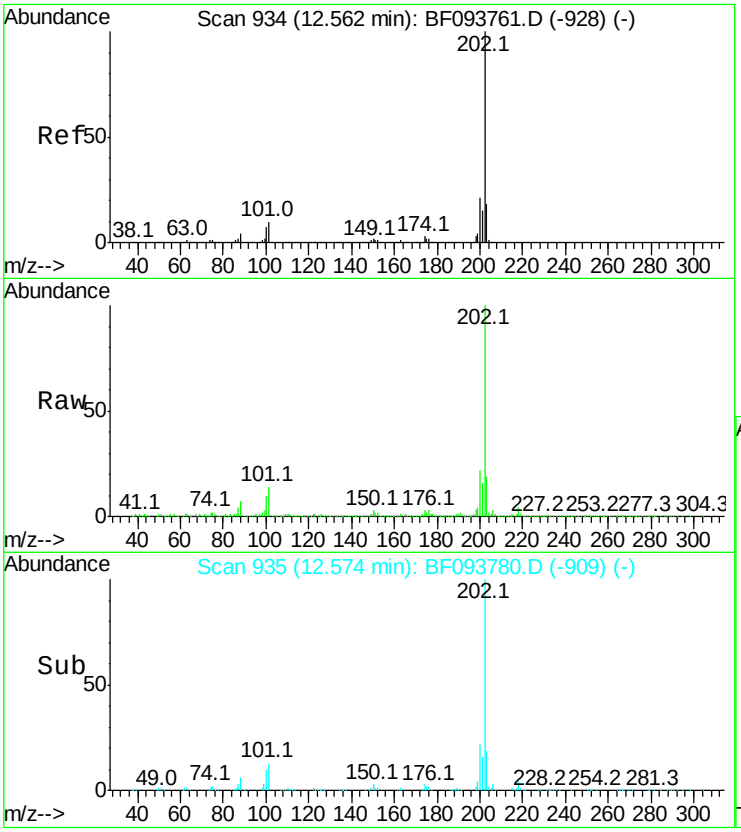


#72
Carbazole
Concen: 17.50 ng
RT: 11.58 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:167 Resp: 526993

Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.1	27.1
139	14.6	11.7	17.5



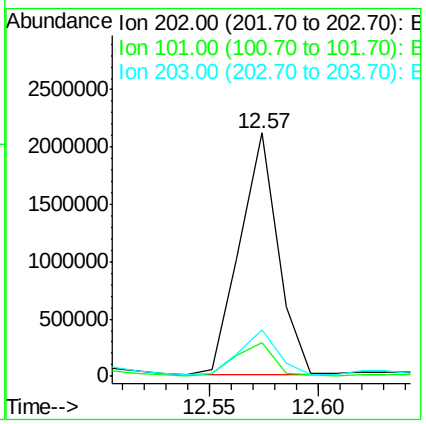


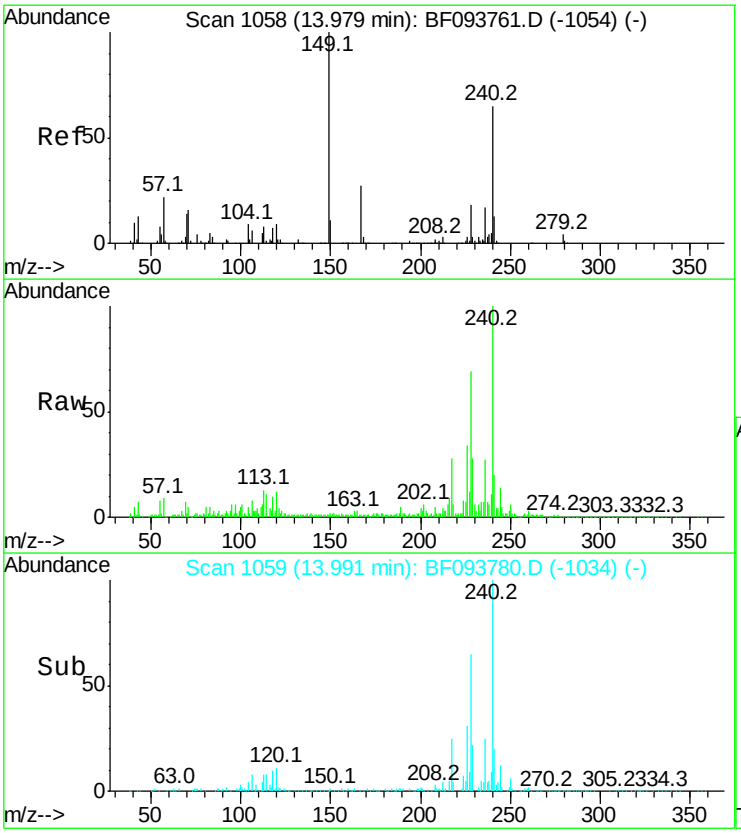
#74
Fluoranthene
Concen: 84.94 ng
RT: 12.57 min Scan# 935
Delta R.T. 0.00 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:202 Resp: 2579699

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	19.3	0.0	38.1

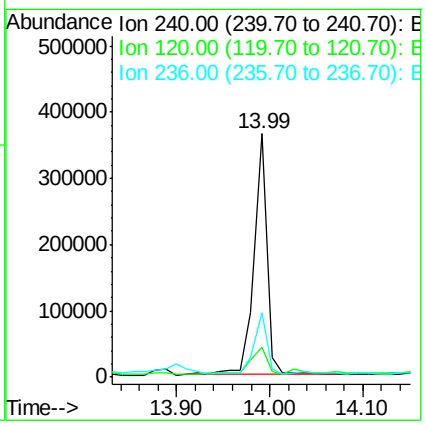


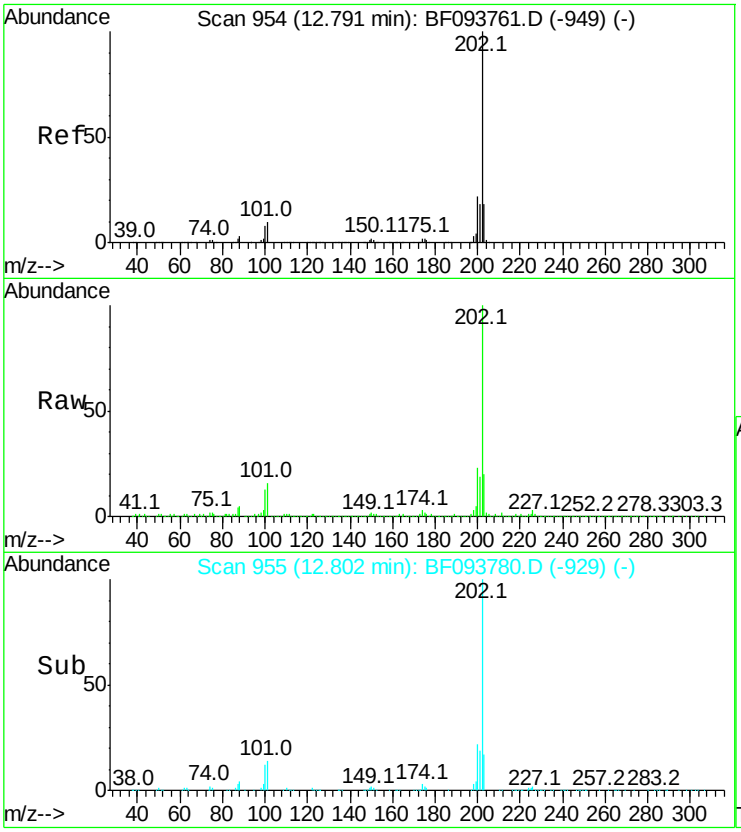


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:240 Resp: 351850

Ion	Ratio	Lower	Upper
240	100		
120	12.4	5.8	8.8#
236	26.7	20.5	30.7



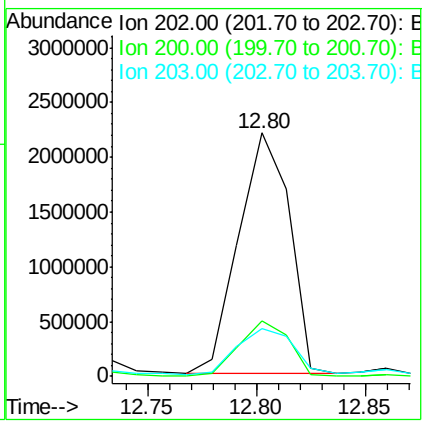


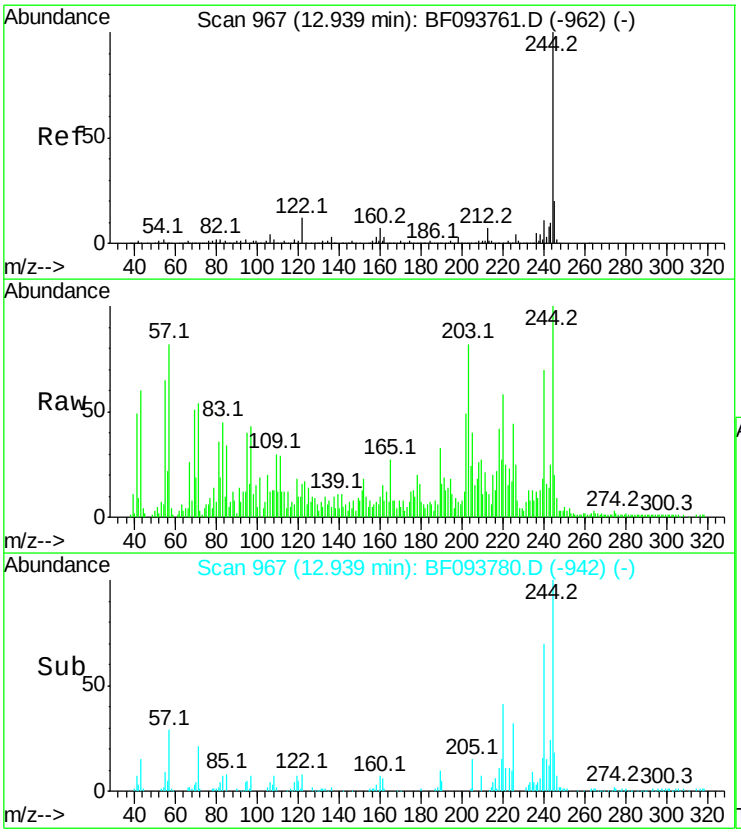
#77
Pyrene
Concen: 122.80 ng
RT: 12.80 min Scan# 955
Delta R.T. 0.00 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:202 Resp: 3595791

Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.6	26.4
203	19.8	14.4	21.6

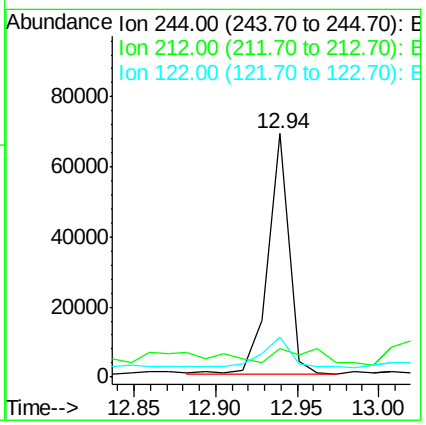


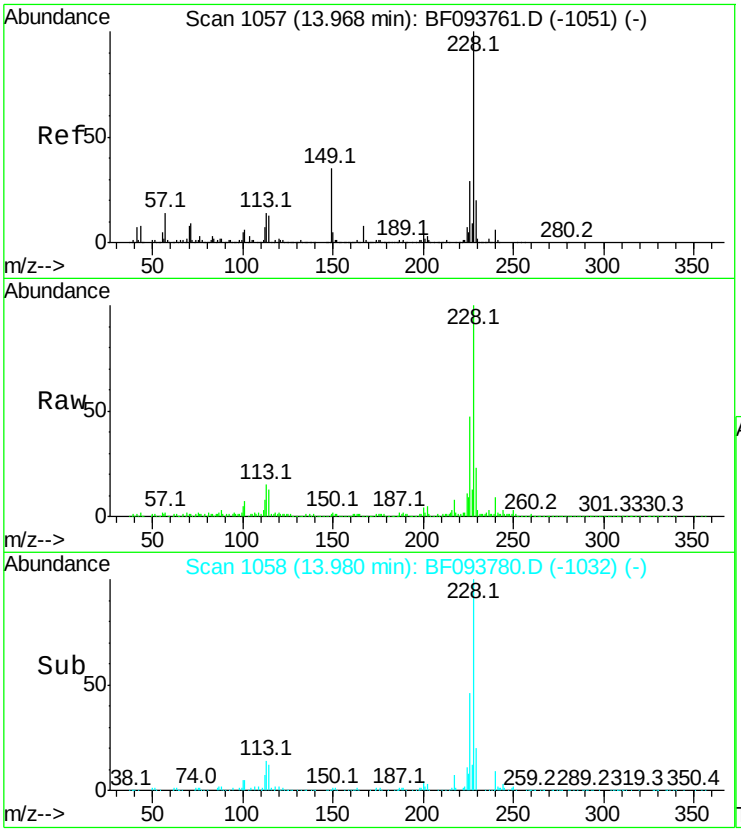


#78
Terphenyl-d14
Concen: 3.58 ng
RT: 12.94 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:244 Resp: 61804

Ion	Ratio	Lower	Upper
244	100		
212	11.7	6.0	9.0#
122	16.4	10.3	15.5#



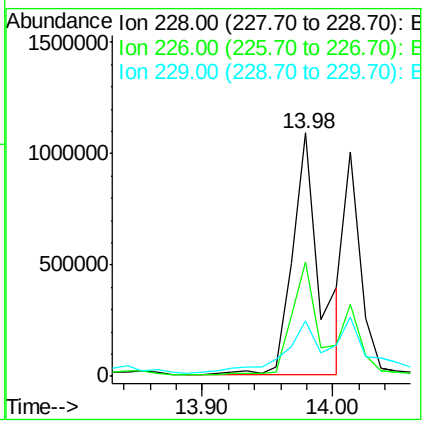


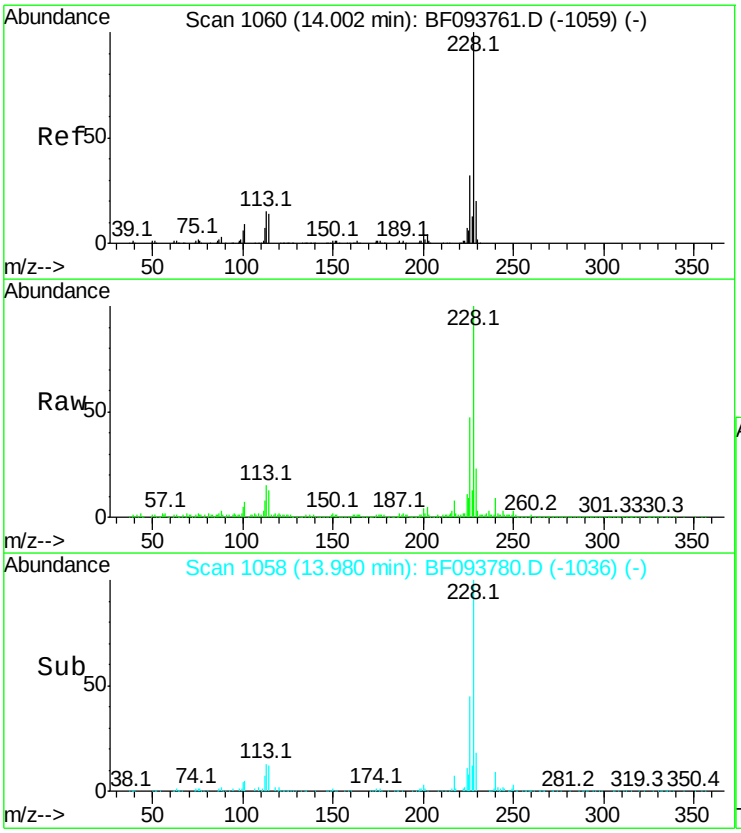
#80
Benzo(a)anthracene
Concen: 71.32 ng
RT: 13.98 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:228 Resp: 1571814

Ion	Ratio	Lower	Upper
228	100		
226	47.2	22.6	33.8#
229	22.7	16.3	24.5

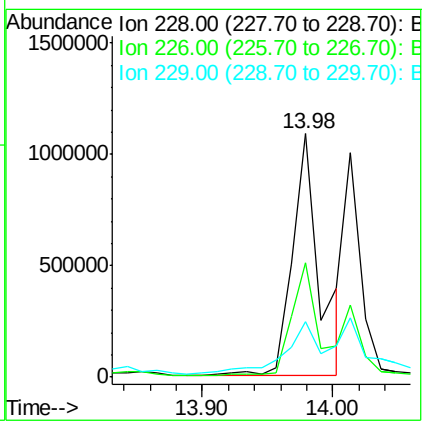


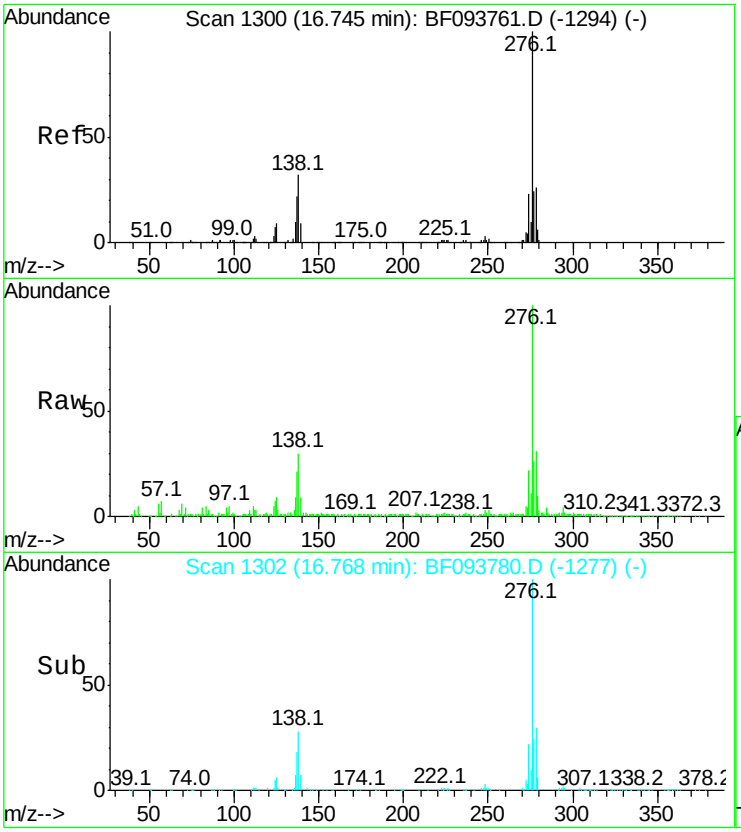


#82
Chrysene
Concen: 71.38 ng
RT: 13.98 min Scan# 1058
Delta R.T. -0.05 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:228 Resp: 1571814

Ion	Ratio	Lower	Upper
228	100		
226	47.2	24.9	37.3#
229	22.7	15.8	23.6



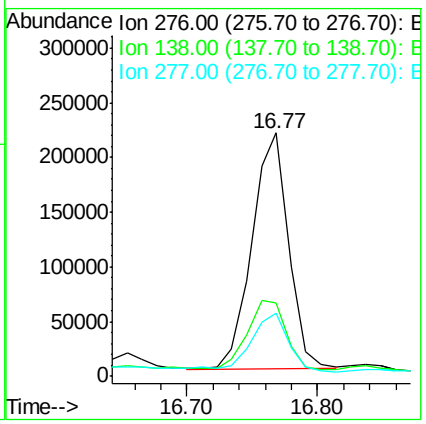


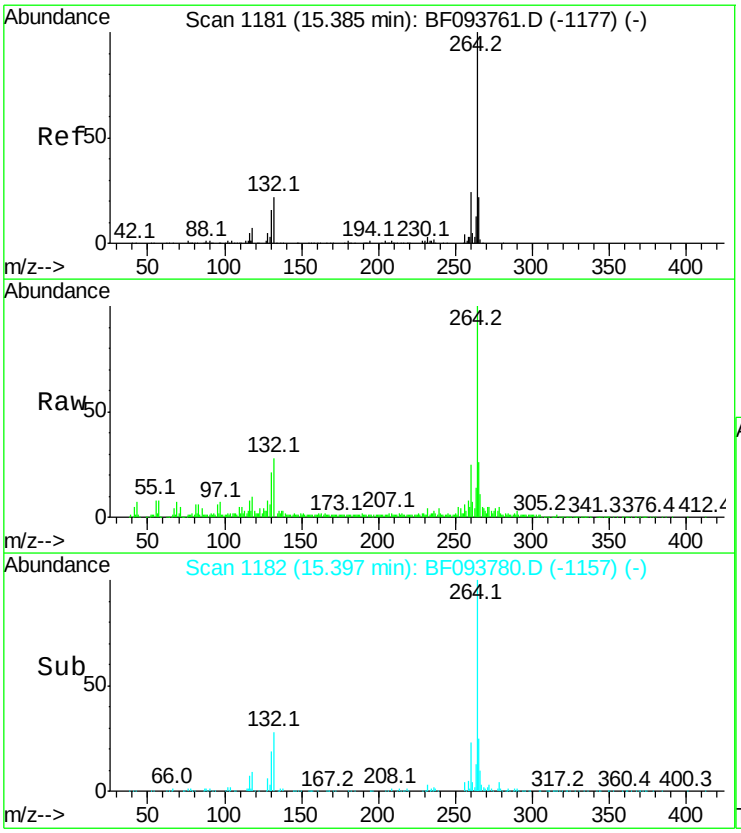
#85
Indeno(1,2,3-cd)pyrene
Concen: 23.51 ng
RT: 16.77 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:276 Resp: 423942

Ion	Ratio	Lower	Upper
276	100		
138	31.0	27.8	41.6
277	25.7	20.2	30.4

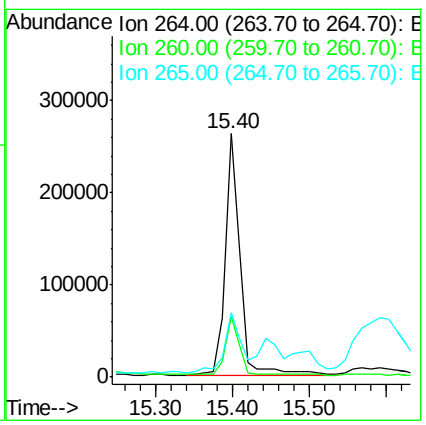


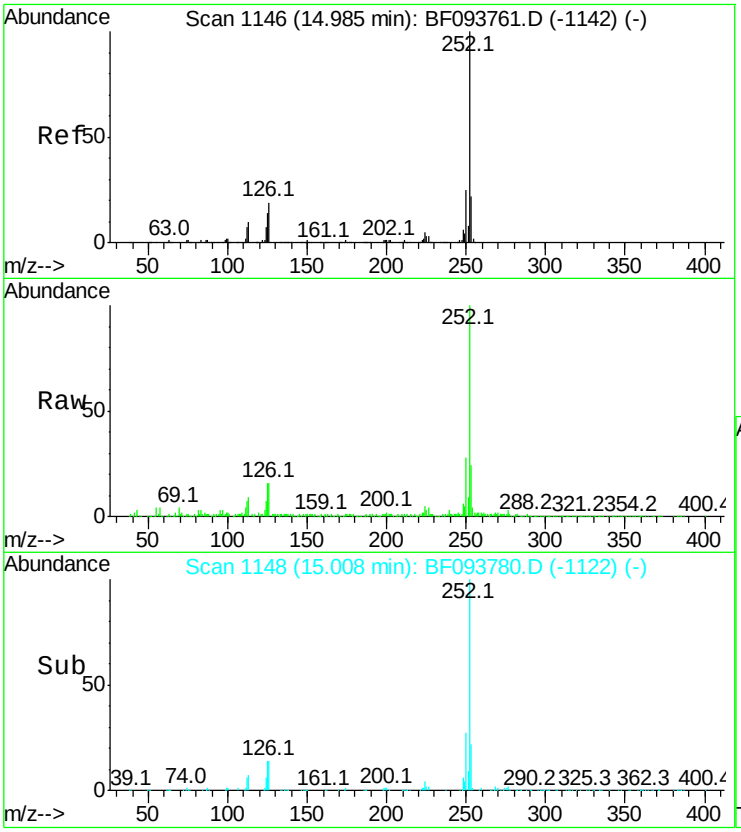


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:264 Resp: 364524

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	26.3	17.2	25.8#



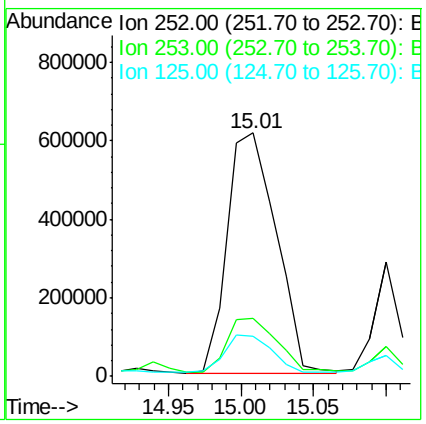


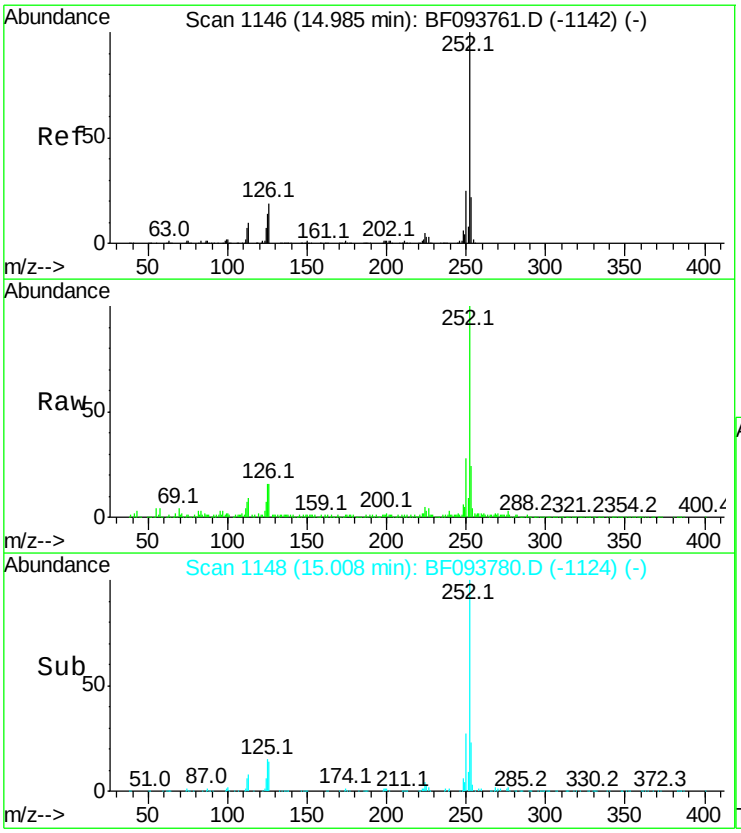
#87
Benzo(b)fluoranthene
Concen: 58.43 ng
RT: 15.01 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:252 Resp: 1435849

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	16.4	9.8	14.8#

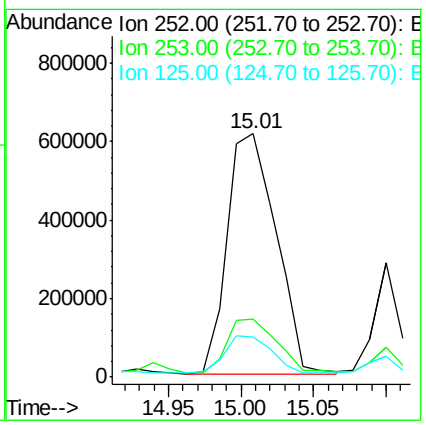


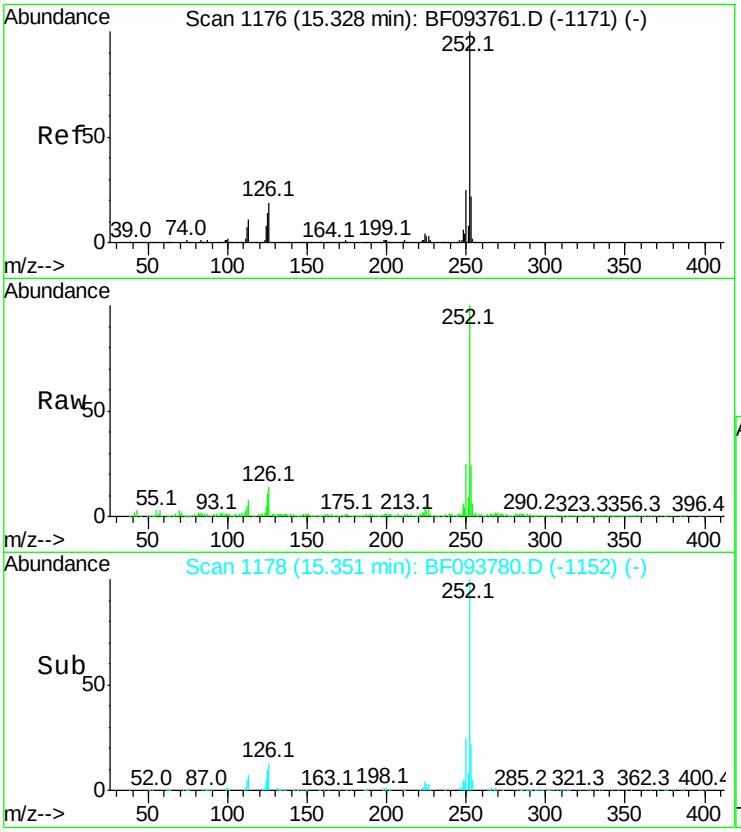


#88
Benzo(k)fluoranthene
Concen: 79.13 ng
RT: 15.01 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:252 Resp: 1435849

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	16.4	13.1	19.7



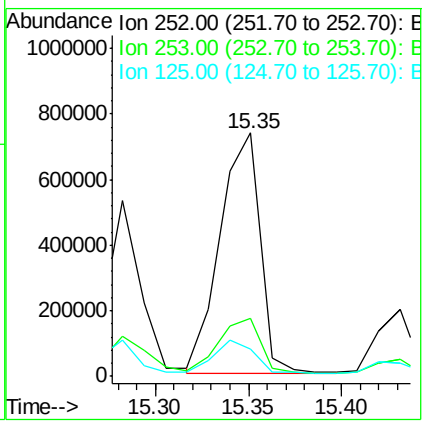


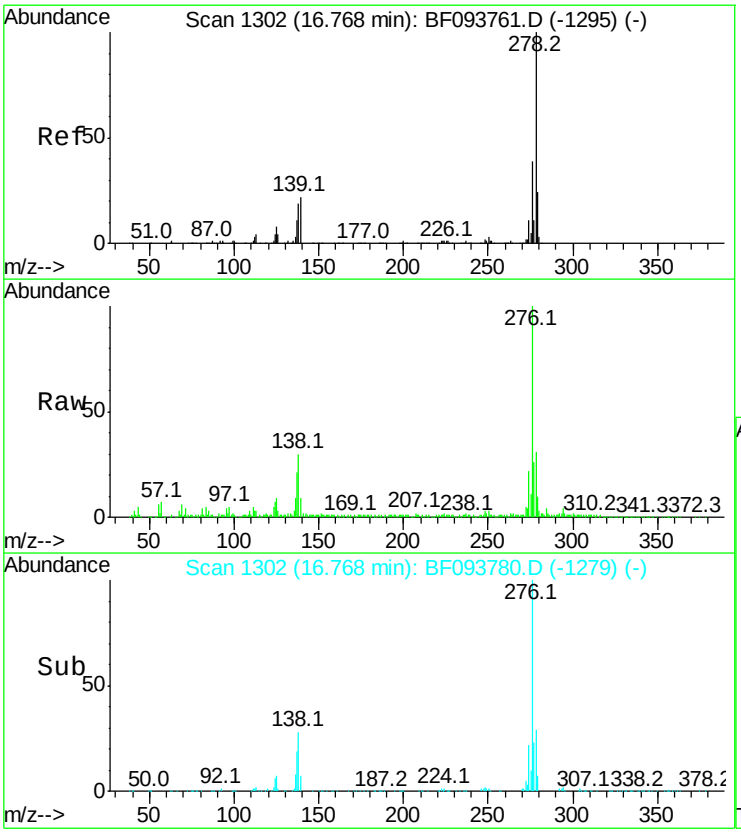
#89
Benzo(a)pyrene
Concen: 55.62 ng
RT: 15.35 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:252 Resp: 1108335

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	11.0	11.0	16.4

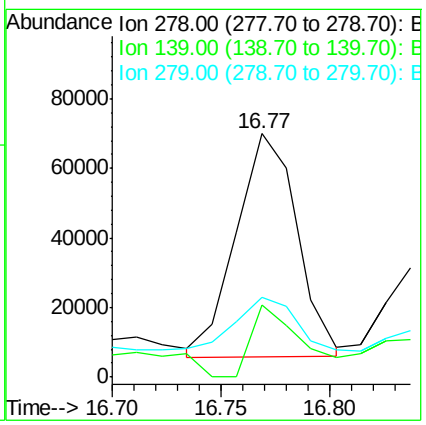


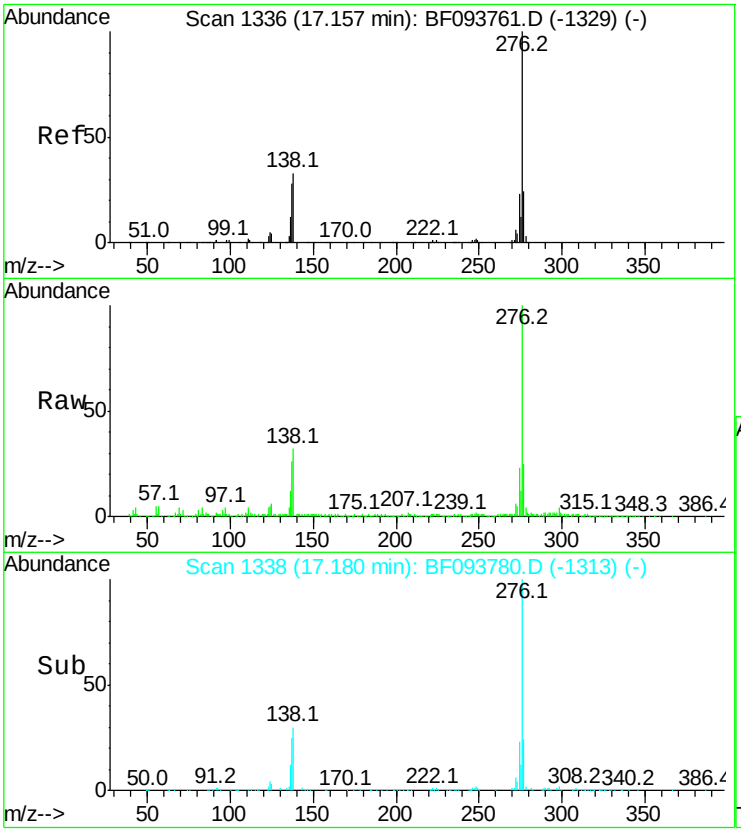


#90
Dibenzo(a,h)anthracene
Concen: 7.55 ng
RT: 16.77 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Tgt Ion:278 Resp: 124916

Ion	Ratio	Lower	Upper
278	100		
139	29.8	16.6	24.8#
279	33.0	19.3	28.9#





#91
Benzo(g,h,i)perylene
Concen: 30.60 ng
RT: 17.18 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF093780.D
Acq: 20 Mar 2017 22:38

Instrument :
BNA_F
ClientSampleId :
HP-CT-00

Tgt Ion:276 Resp: 502485

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	31.9	25.4	38.0