Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078516.D
Acq On : 14 Apr 2015 23:20
Operator : TP/IZ
Sample : G1828-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HS-SB01B

Quant Time: Apr 15 02:25:42 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 15 01:10:59 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	18583	20.00	ng		0.00
21) Naphthalene-d8	8.39	136	81650	20.00	ng		0.00
38) Acenaphthene-d10	10.54	164	42797	20.00	ng		0.00
63) Phenanthrene-d10	12.36	188	88557	20.00	ng		0.00
75) Chrysene-d12	15.62	240	101763	20.00	ng		-0.03
86) Perylene-d12	17.29	264	106224	20.00	ng		-0.19
System Monitoring Compounds							
5) 2-Fluorophenol	5.06	112	156851	139.17	ng		0.01
7) Phenol-d6	6.41	99	208447	147.57	ng		0.00
23) Nitrobenzene-d5	7.51	82	113704	84.41	ng		0.00
41) 2,4,6-Tribromophenol	11.52	330	50596	142.55	ng		0.00
44) 2-Fluorobiphenyl	9.74	172	167174	55.84	ng		0.00
78) Terphenyl-d14	14.35	244	228622	50.77	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.43	94	6576	3.89	ng	#	70
20) 3+4-Methylphenols	7.38	107	9860	7.14	ng		97
31) Naphthalene	8.41	128	13924	3.28	ng		99
48) Acenaphthylene	10.36	152	29255	6.58	ng		98
49) Dimethylphthalate	10.25	163	17795	5.53	ng	#	97
51) Acenaphthene	10.58	154	22480	8.98	ng		97
54) Dibenzofuran	10.80	168	17424	4.56	ng		96
57) Fluorene	11.22	166	40368	13.02	ng		99
70) Phenanthrene	12.40	178	452853	88.40	ng		100
71) Anthracene	12.46	178	157100	31.12	ng		98
72) Carbazole	12.67	167	25102	5.31	ng		95
74) Fluoranthene	13.86	202	607747	112.50	ng		99
77) Pyrene	14.14	202	557757m	87.31	ng		
80) Benzo(a)anthracene	15.61	228	303699	50.16	ng		96
82) Chrysene	15.66	228	239428	42.09	ng		97
85) Indeno(1,2,3-cd)pyrene	18.85	276	107110	16.59	ng	#	90
87) Benzo(b)fluoranthene	16.87	252	316629m	48.23	ng		
88) Benzo(k)fluoranthene	16.90	252	71812m	12.31	ng		
89) Benzo(a)pyrene	17.23	252	233485	40.75	ng		97
90) Dibenzo(a,h)anthracene	18.51	278	31926m	5.57	ng		
91) Benzo(g,h,i)perylene	18.85	276	112451m	19.55	ng		

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

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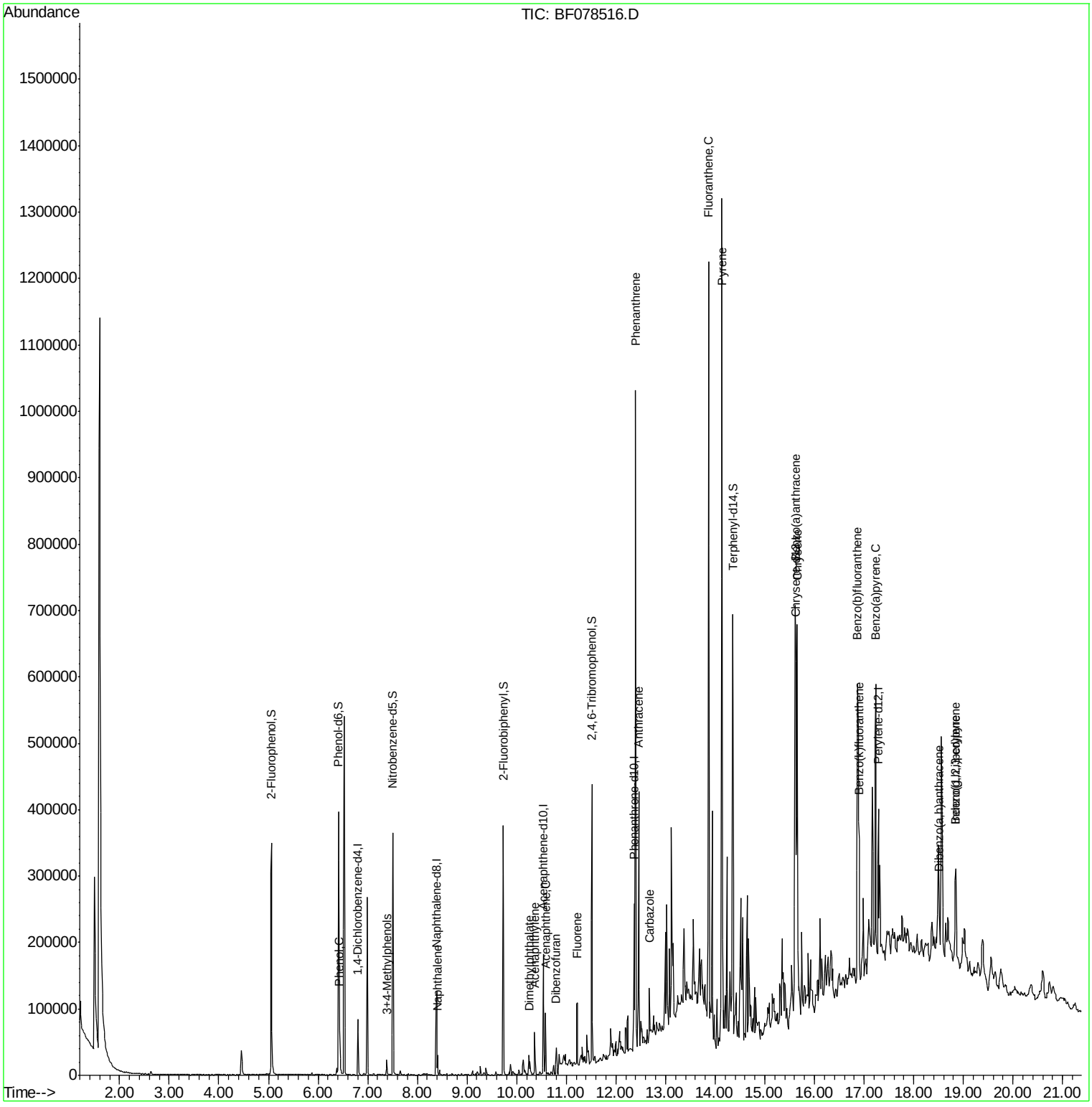
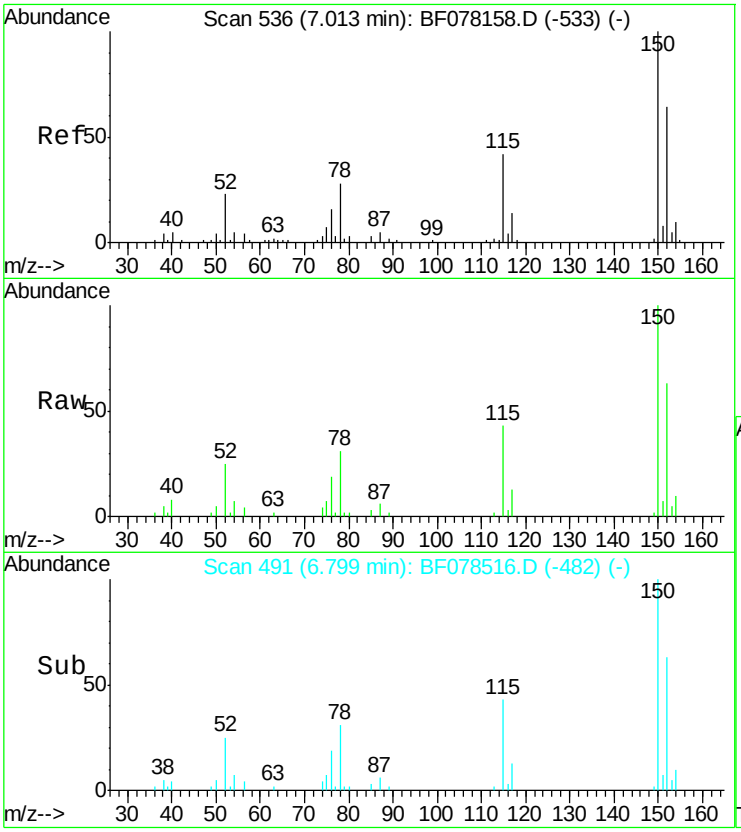


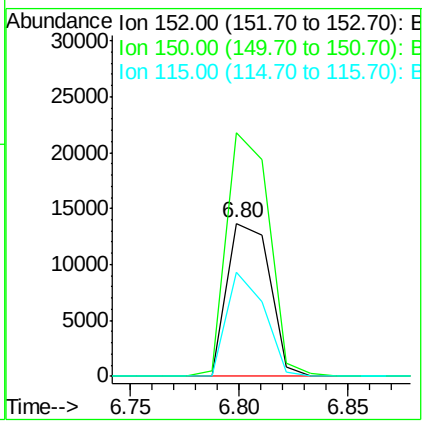


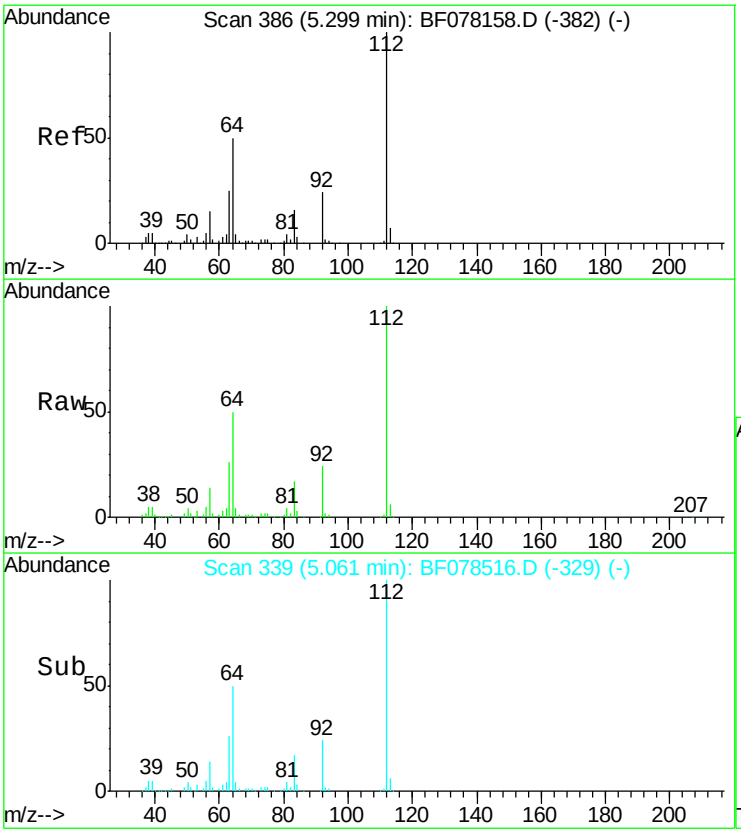
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 491
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:152 Resp: 18583

Ion	Ratio	Lower	Upper
152	100		
150	159.3	125.9	188.9
115	67.9	52.7	79.1

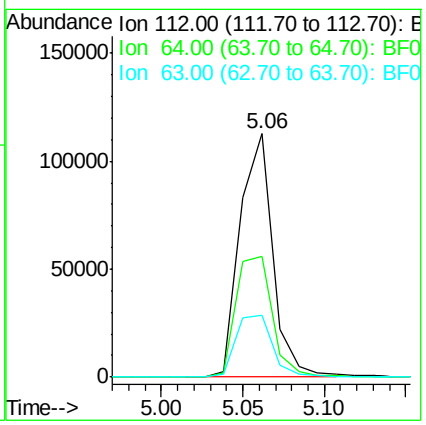


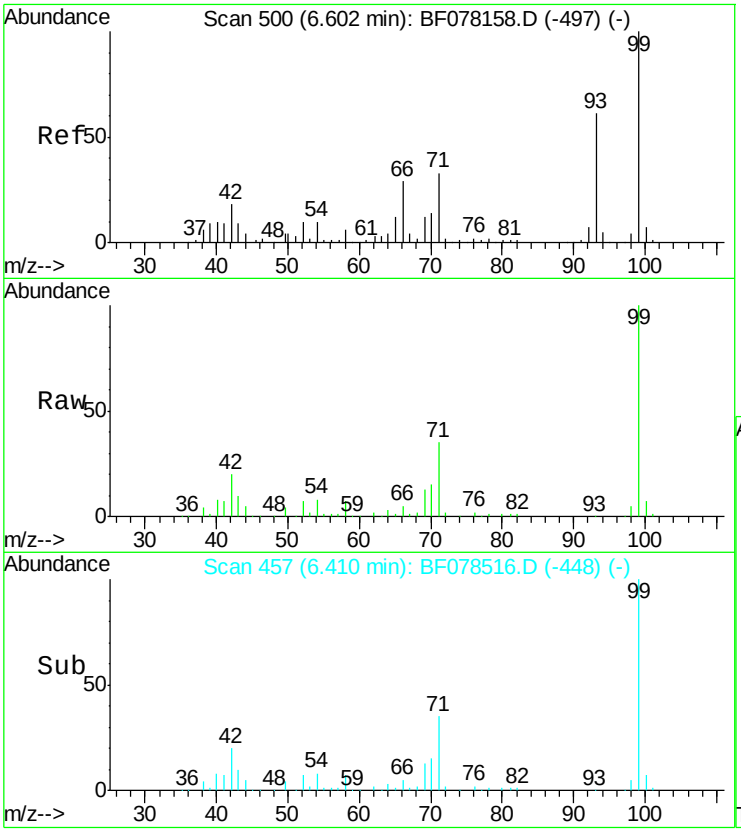


#5
2-Fluorophenol
Concen: 139.17 ng
RT: 5.06 min Scan# 339
Delta R.T. 0.01 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:112 Resp: 156851

Ion	Ratio	Lower	Upper
112	100		
64	49.7	39.9	59.9
63	25.6	20.2	30.4



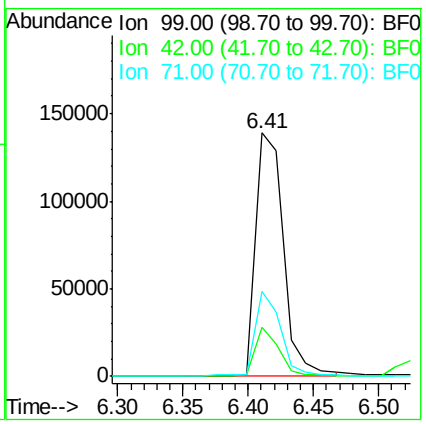


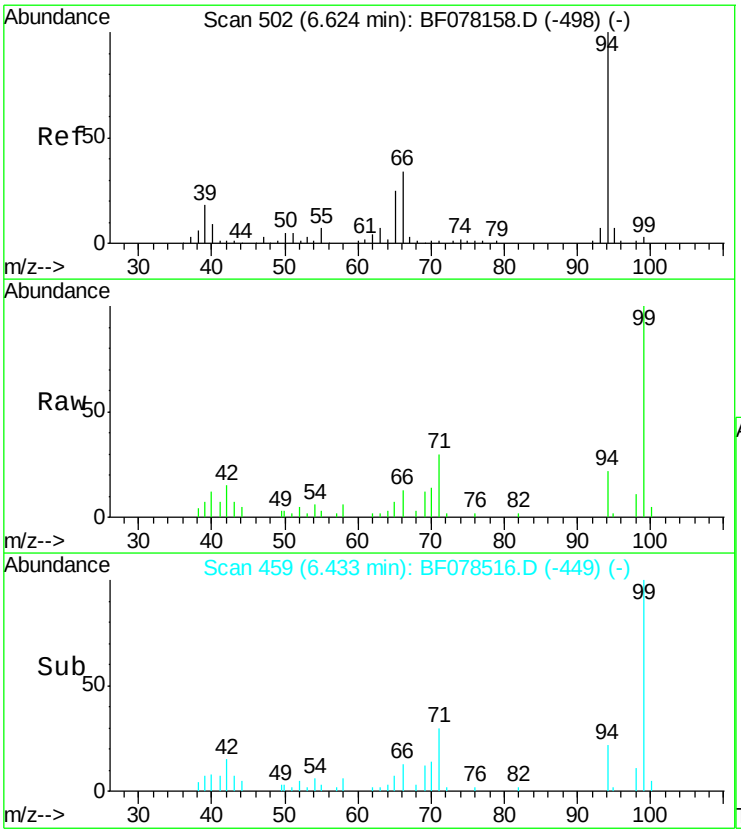
#7
Phenol-d6
Concen: 147.57 ng
RT: 6.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion: 99 Resp: 208447

Ion	Ratio	Lower	Upper
99	100		
42	20.2	14.8	22.2
71	35.0	26.6	39.8

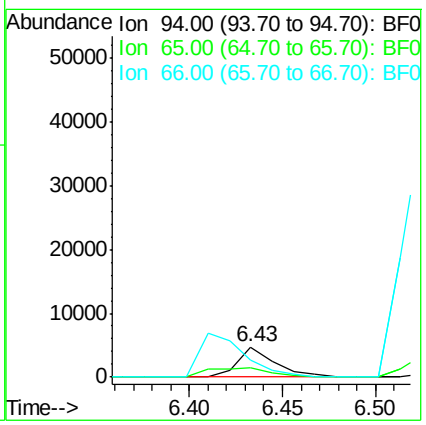


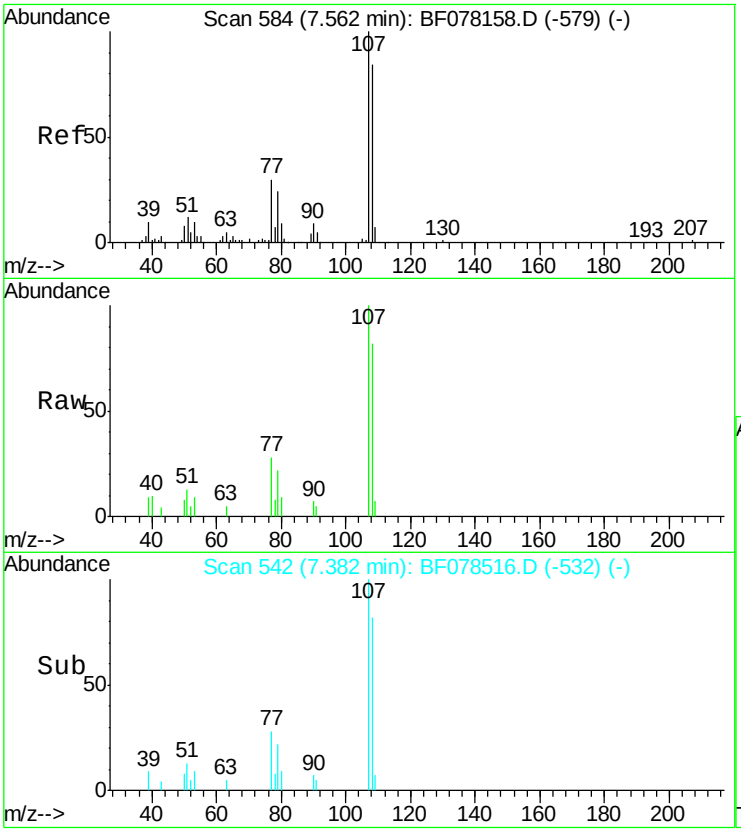


#10
Phenol
Concen: 3.89 ng
RT: 6.43 min Scan# 459
Delta R.T. 0.01 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion: 94 Resp: 6576

Ion	Ratio	Lower	Upper
94	100		
65	31.0	4.9	44.9
66	58.7	13.8	53.8#



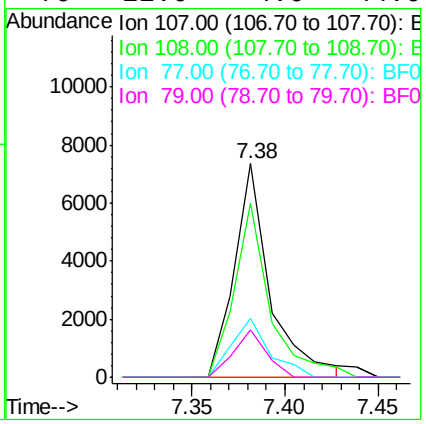


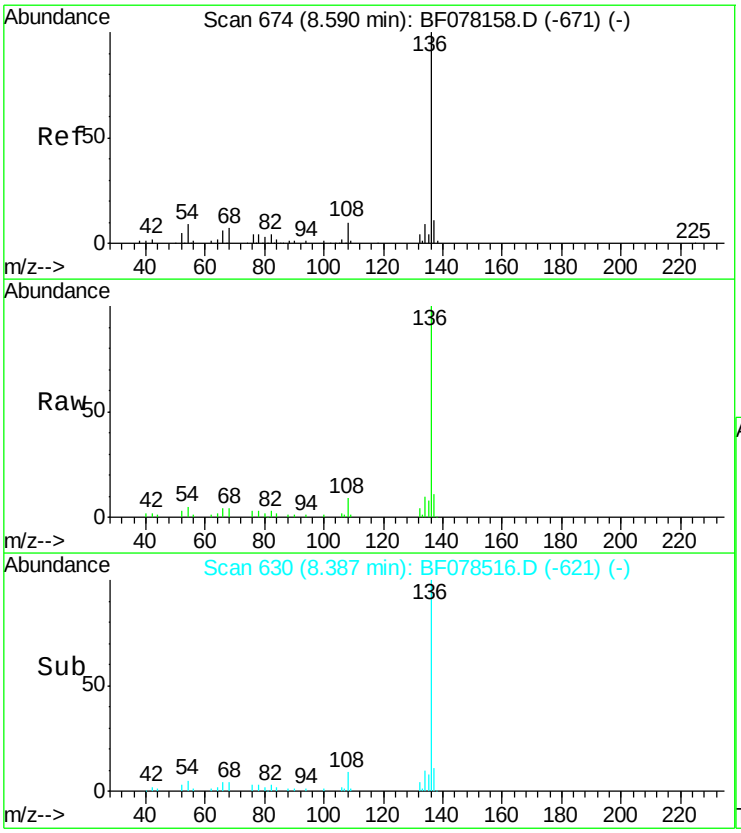
#20
3+4-Methylphenols
Concen: 7.14 ng
RT: 7.38 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:107 Resp: 9860

Ion	Ratio	Lower	Upper
107	100		
108	81.8	64.4	104.4
77	27.6	9.7	49.7
79	22.0	4.0	44.0

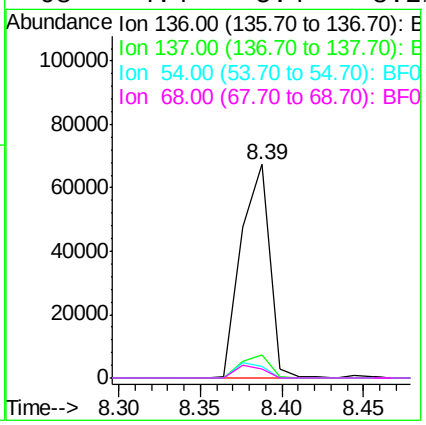


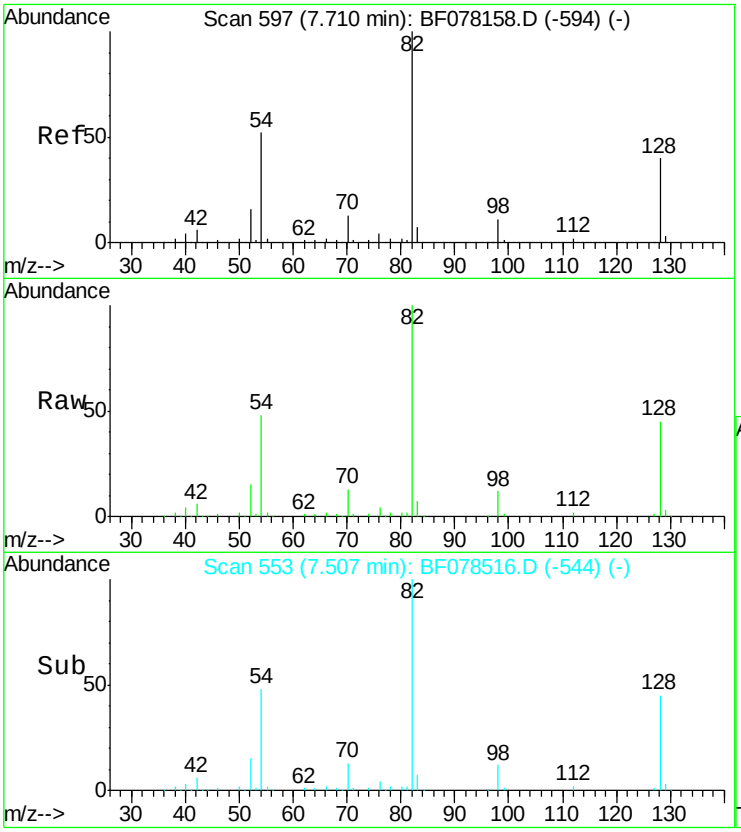


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.39 min Scan# 630
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:136 Resp: 81650

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	5.5	7.0	10.6#
68	4.4	5.4	8.2#



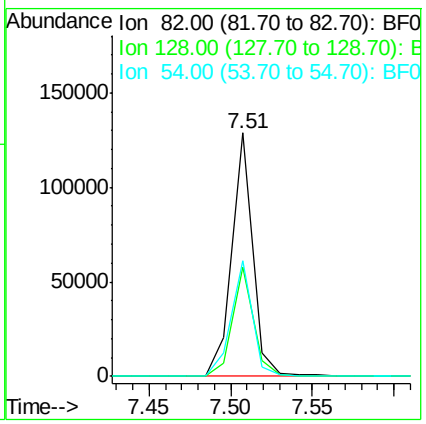


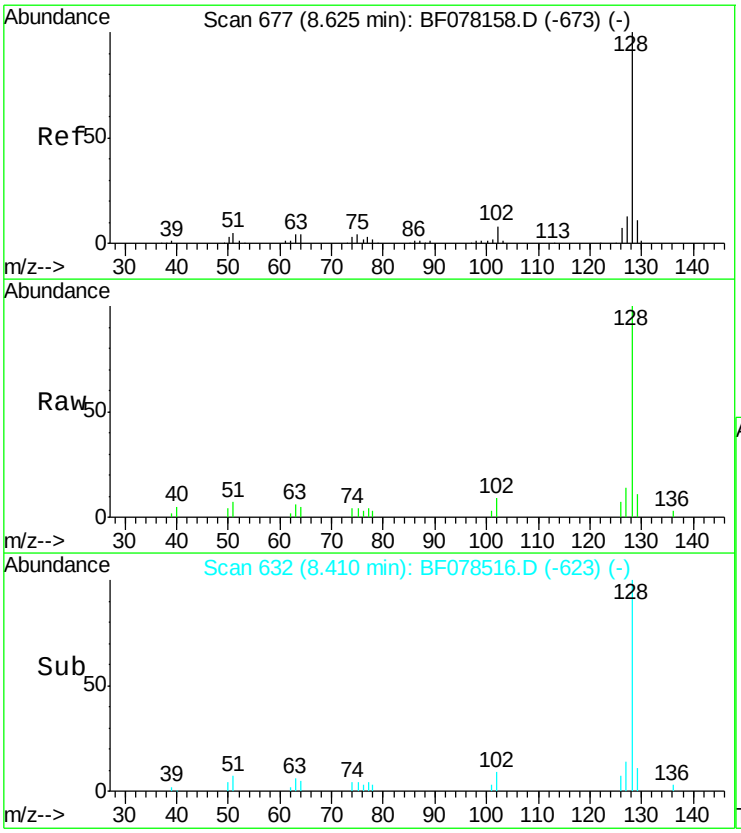
#23
Nitrobenzene-d5
Concen: 84.41 ng
RT: 7.51 min Scan# 553
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion: 82 Resp: 113704

Ion	Ratio	Lower	Upper
82	100		
128	44.6	31.8	47.8
54	47.7	41.5	62.3

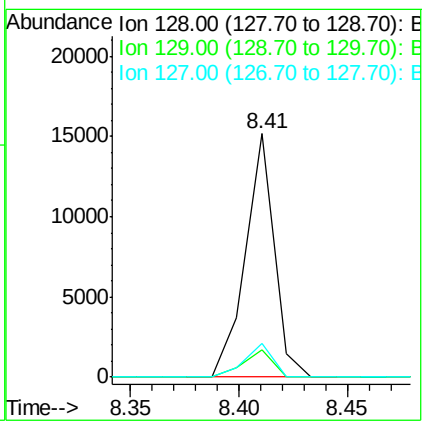


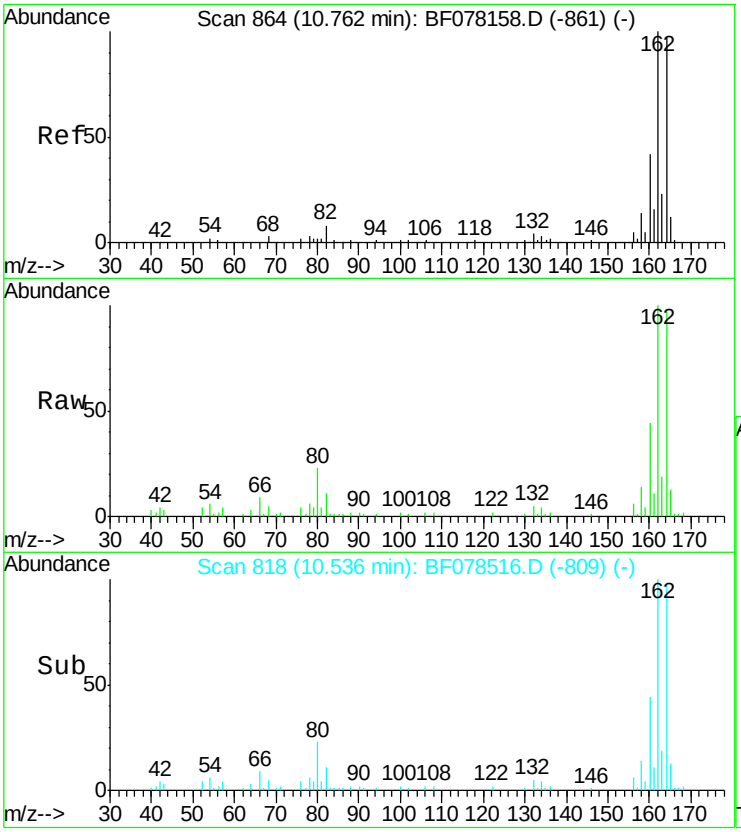


#31
Naphthalene
Concen: 3.28 ng
RT: 8.41 min Scan# 632
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:128 Resp: 13924

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	12.8
127	13.9	10.7	16.1



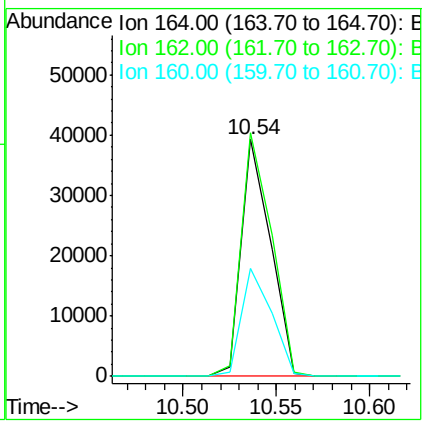


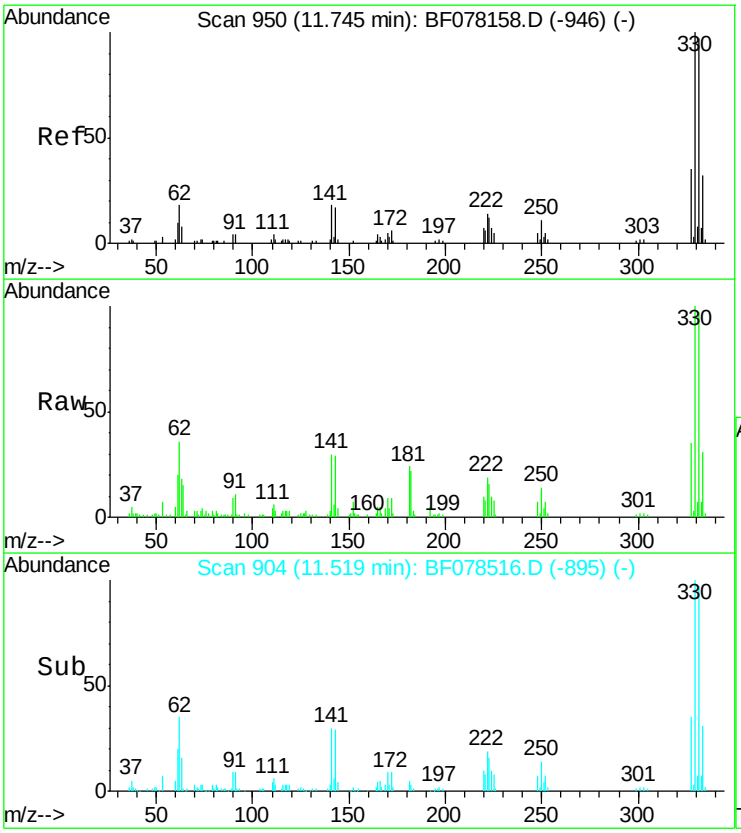
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.54 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:164 Resp: 42797

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	45.6	34.7	52.1

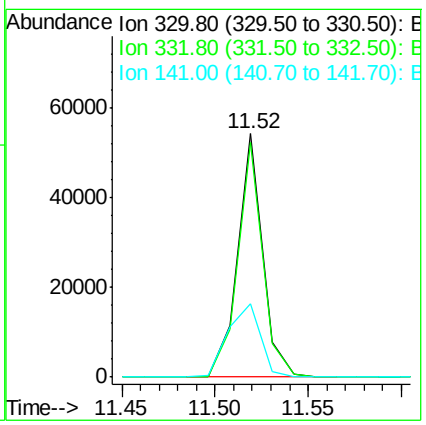


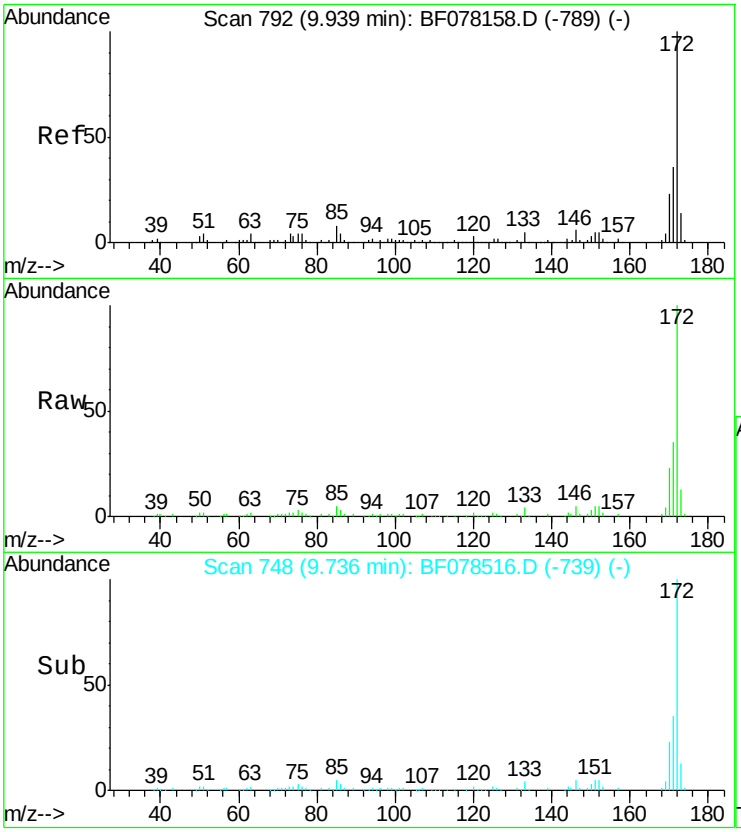


#41
2,4,6-Tribromophenol
Concen: 142.55 ng
RT: 11.52 min Scan# 904
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:330 Resp: 50596

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.6	117.8
141	39.2	31.2	46.8



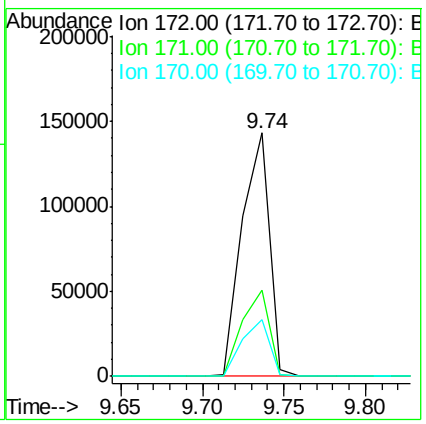


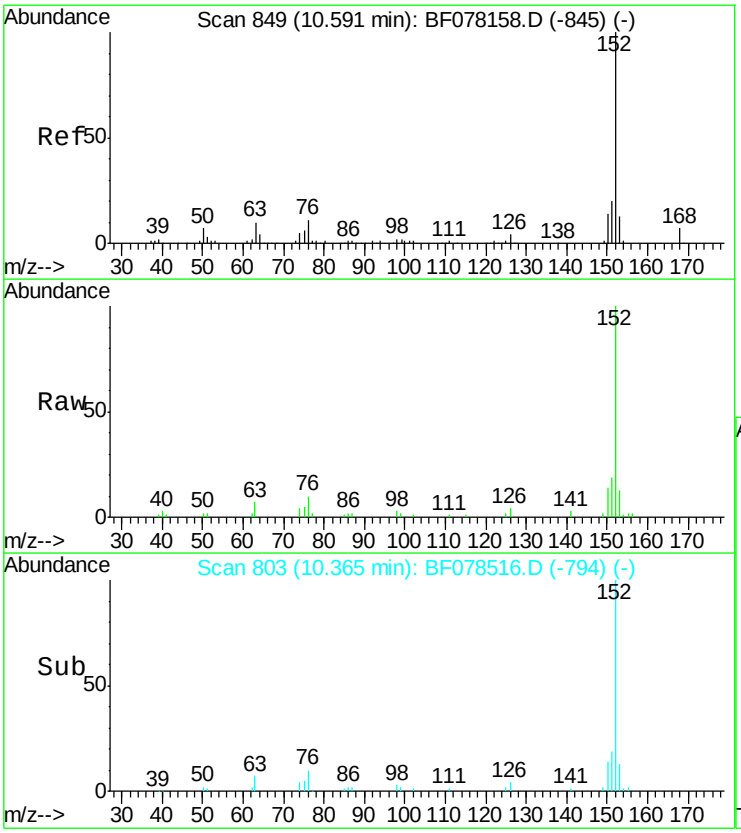
#44
2-Fluorobiphenyl
Concen: 55.84 ng
RT: 9.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:172 Resp: 167174

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.2	18.5	27.7

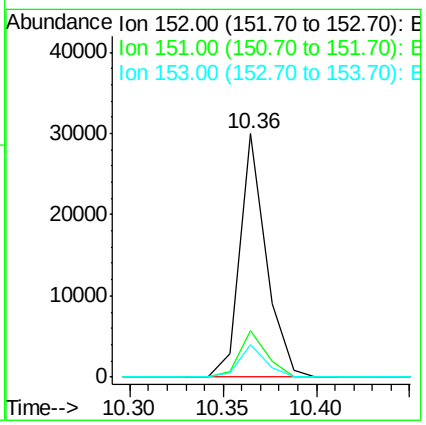


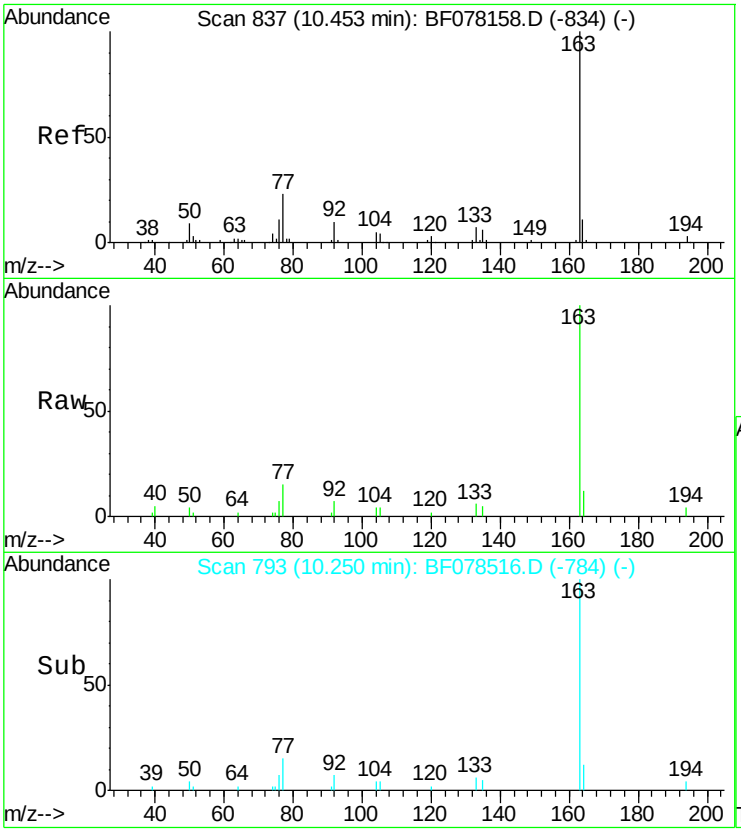


#48
Acenaphthylene
Concen: 6.58 ng
RT: 10.36 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:152 Resp: 29255

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.7	23.5
153	13.4	10.2	15.2



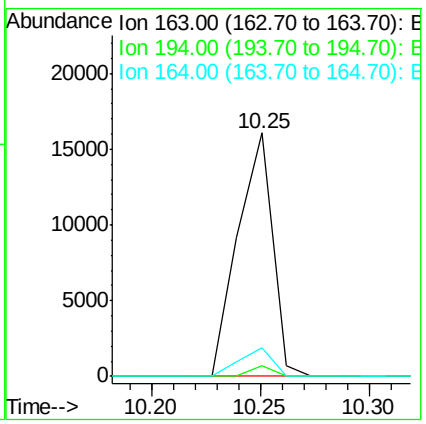


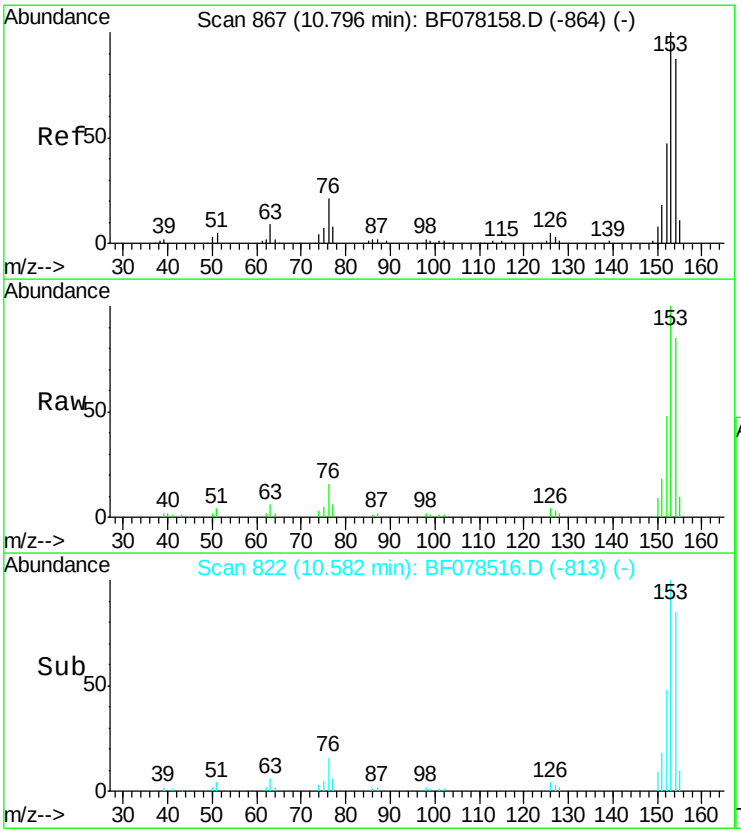
#49
Dimethylphthalate
Concen: 5.53 ng
RT: 10.25 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:163 Resp: 17795

Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.3	3.5#
164	11.8	8.6	13.0

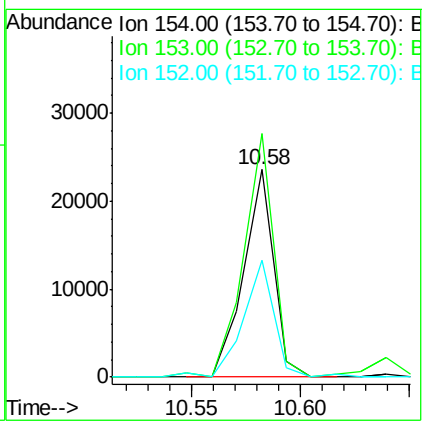


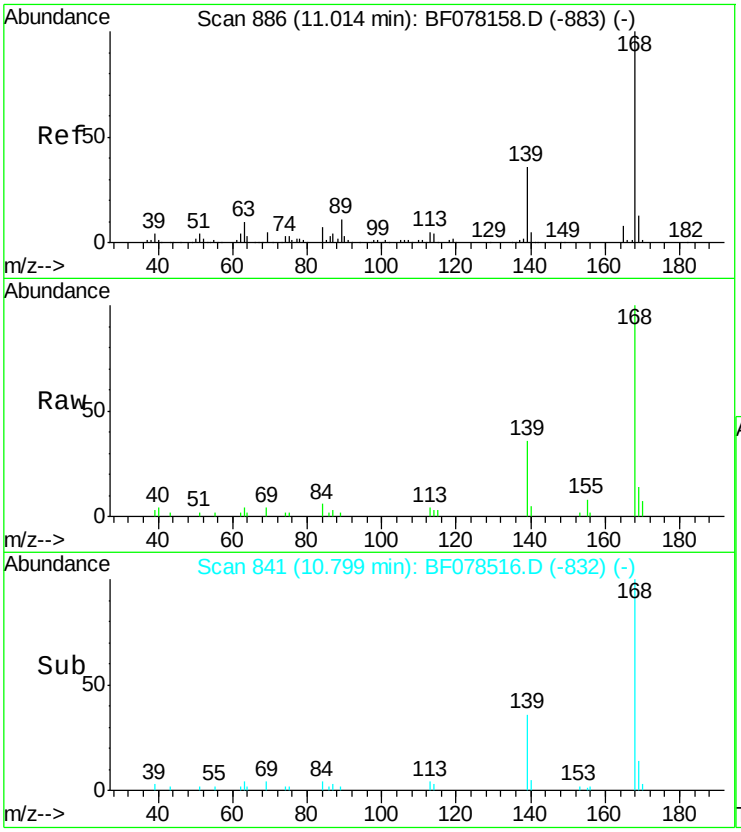


#51
Acenaphthene
Concen: 8.98 ng
RT: 10.58 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:154 Resp: 22480

Ion	Ratio	Lower	Upper
154	100		
153	117.4	91.4	137.2
152	56.1	43.0	64.6



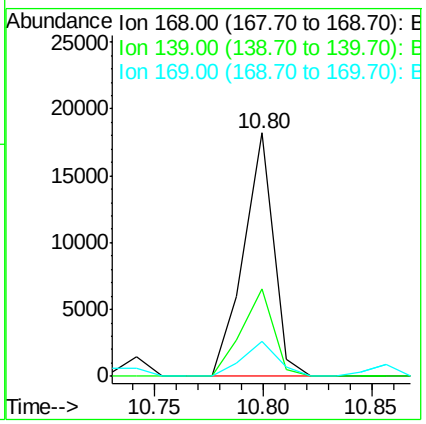


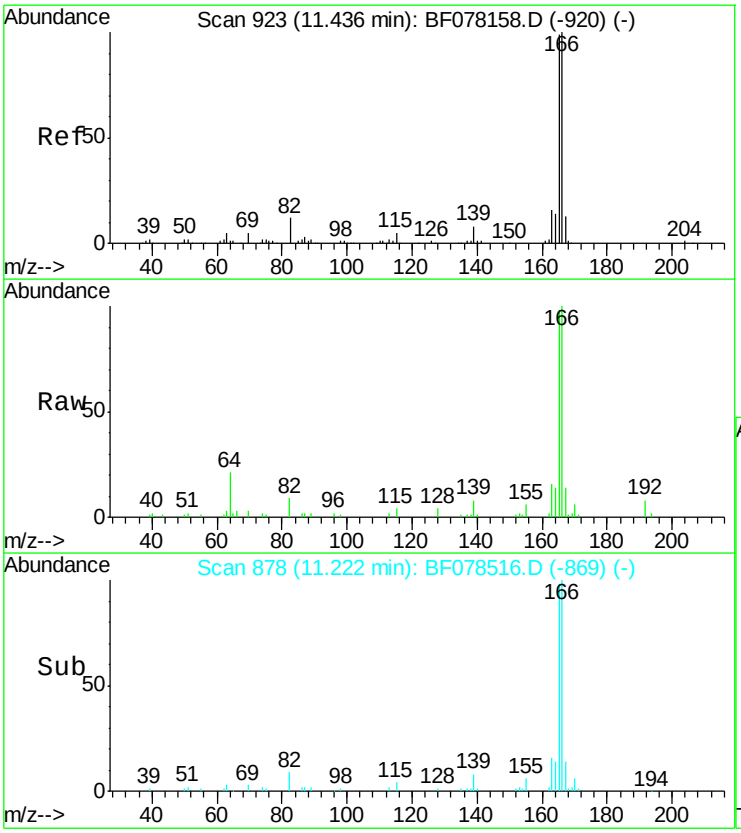
#54
Dibenzofuran
Concen: 4.56 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:168 Resp: 17424

Ion	Ratio	Lower	Upper
168	100		
139	35.9	31.0	46.4
169	14.4	10.7	16.1

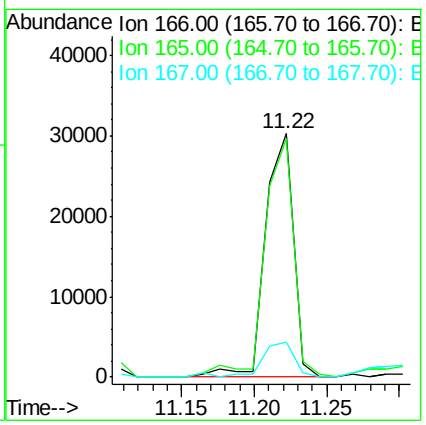


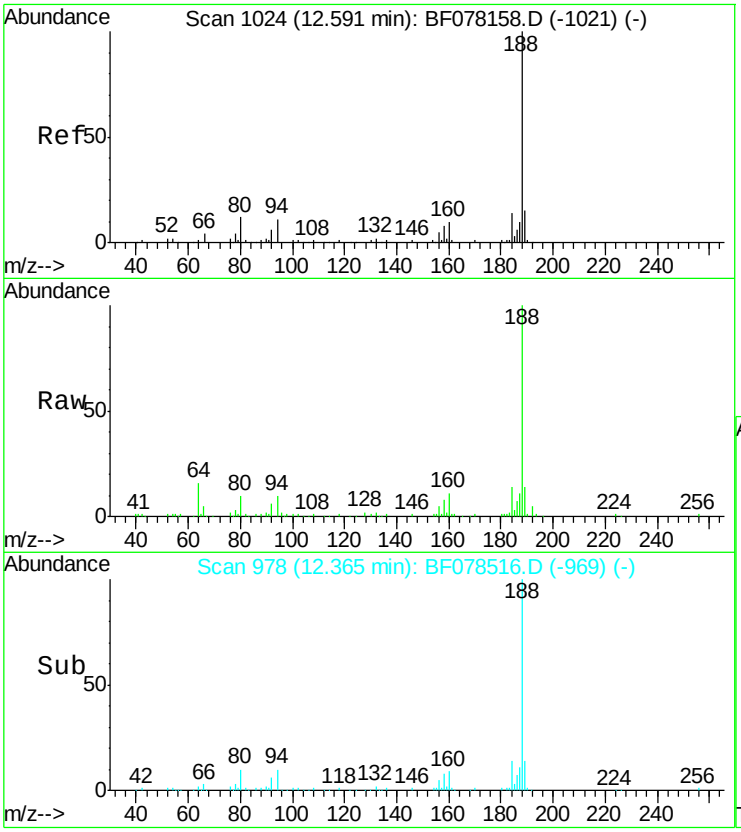


#57
Fluorene
Concen: 13.02 ng
RT: 11.22 min Scan# 878
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:166 Resp: 40368

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.9	118.3
167	14.3	10.7	16.1



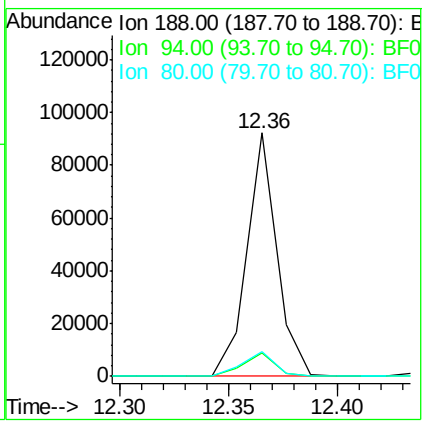


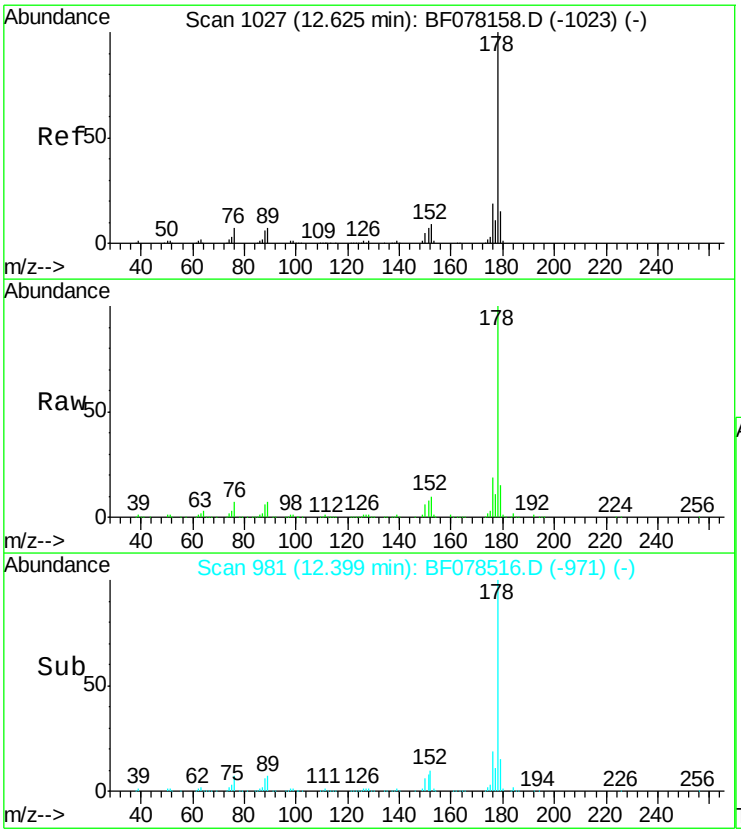
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.36 min Scan# 978
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:188 Resp: 88557

Ion	Ratio	Lower	Upper
188	100		
94	9.7	9.0	13.4
80	10.1	9.5	14.3

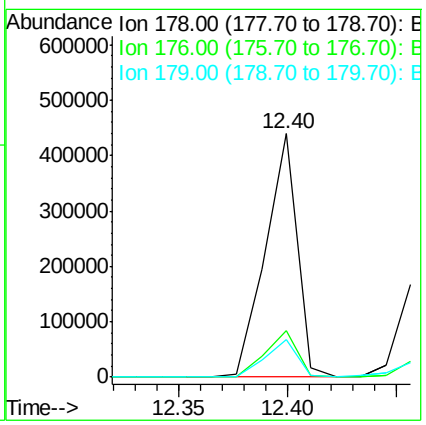


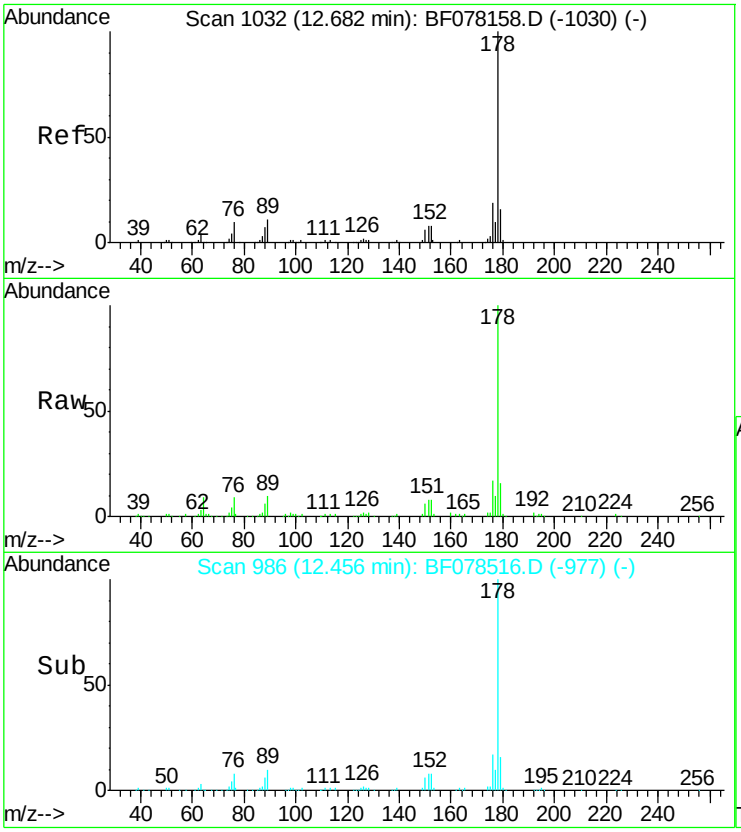


#70
Phenanthrene
Concen: 88.40 ng
RT: 12.40 min Scan# 981
Delta R.T. 0.01 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:178 Resp: 452853

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.3	12.2	18.2



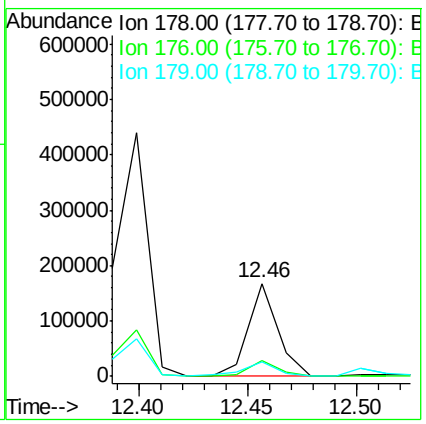


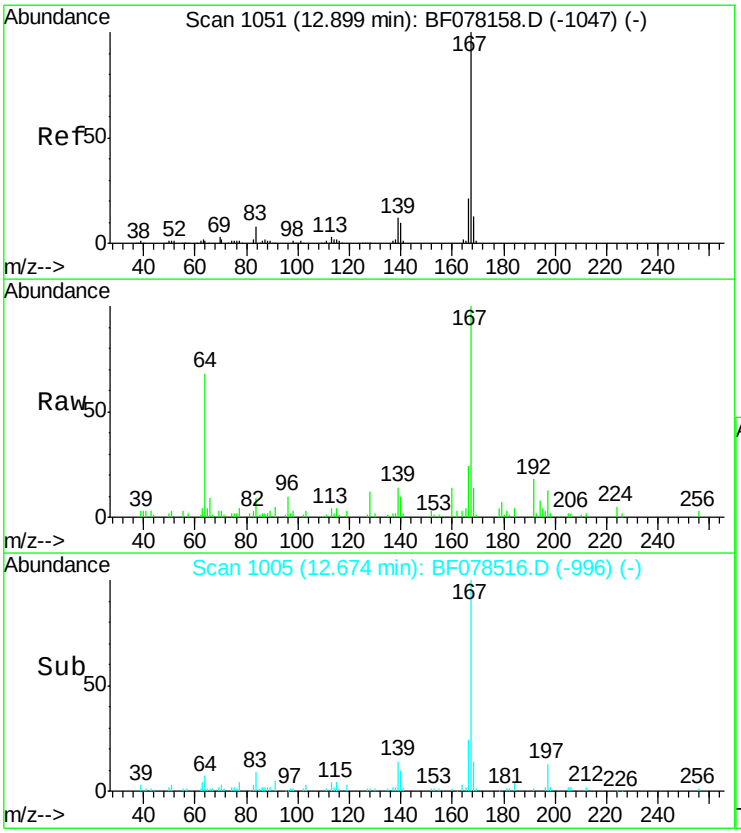
#71
Anthracene
Concen: 31.12 ng
RT: 12.46 min Scan# 986
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:178 Resp: 157100

Ion	Ratio	Lower	Upper
178	100		
176	17.4	14.8	22.2
179	15.8	12.4	18.6

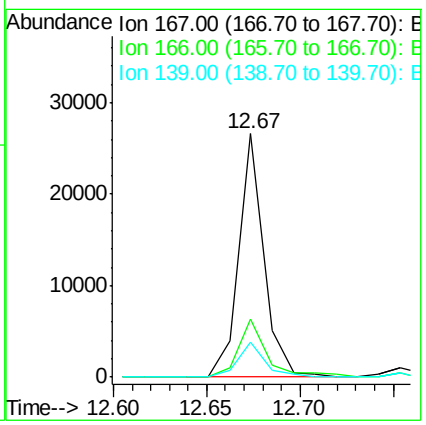


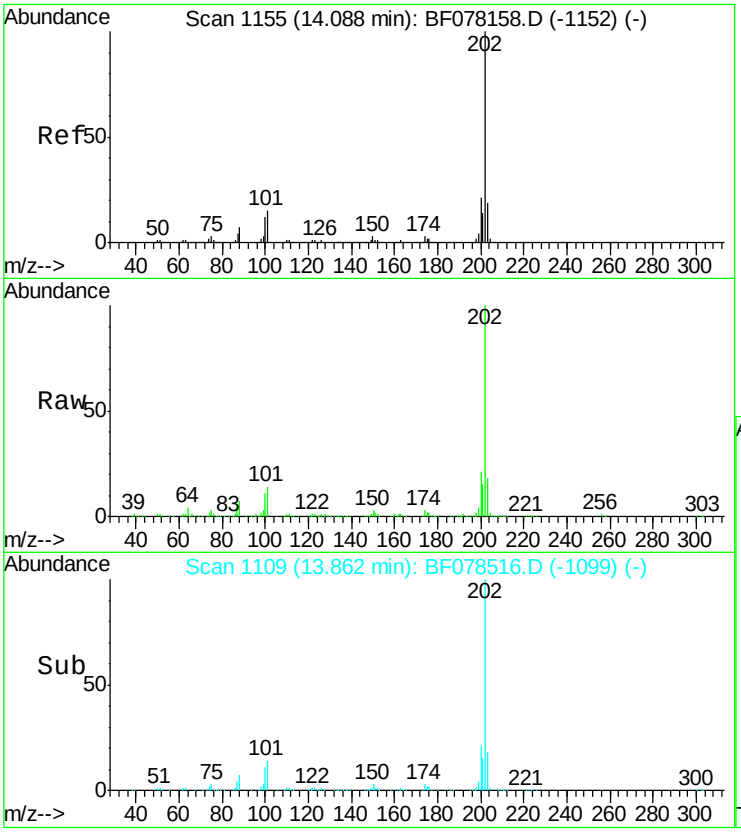


#72
Carbazole
Concen: 5.31 ng
RT: 12.67 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:167 Resp: 25102

Ion	Ratio	Lower	Upper
167	100		
166	23.7	16.8	25.2
139	14.1	10.0	15.0



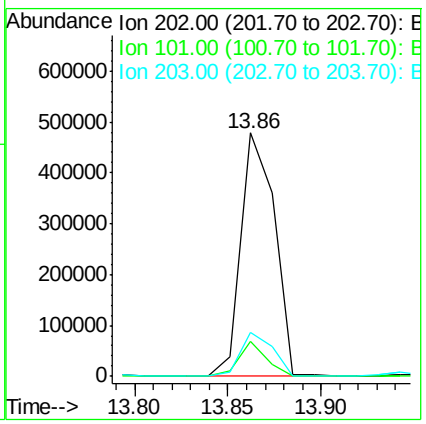


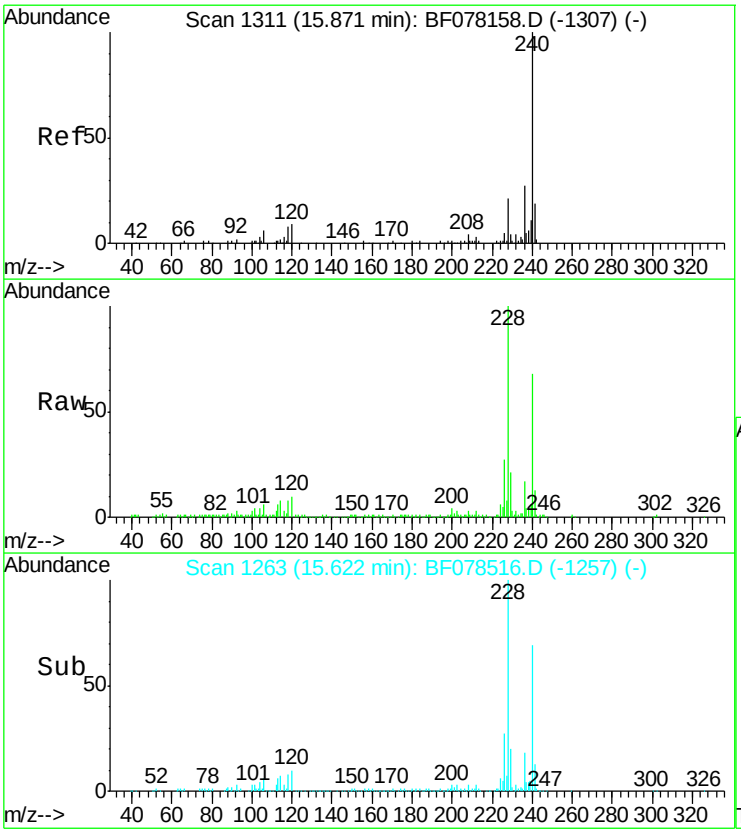
#74
Fluoranthene
Concen: 112.50 ng
RT: 13.86 min Scan# 1109
Delta R.T. 0.01 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:202 Resp: 607747

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	35.2
203	18.1	0.0	38.5

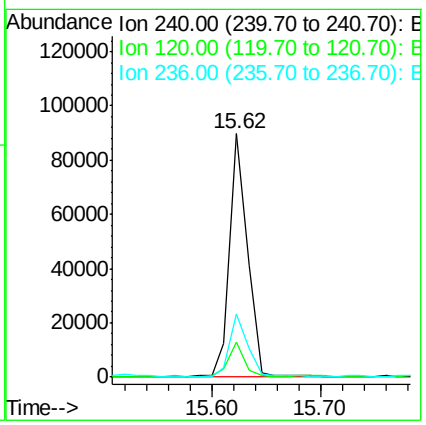


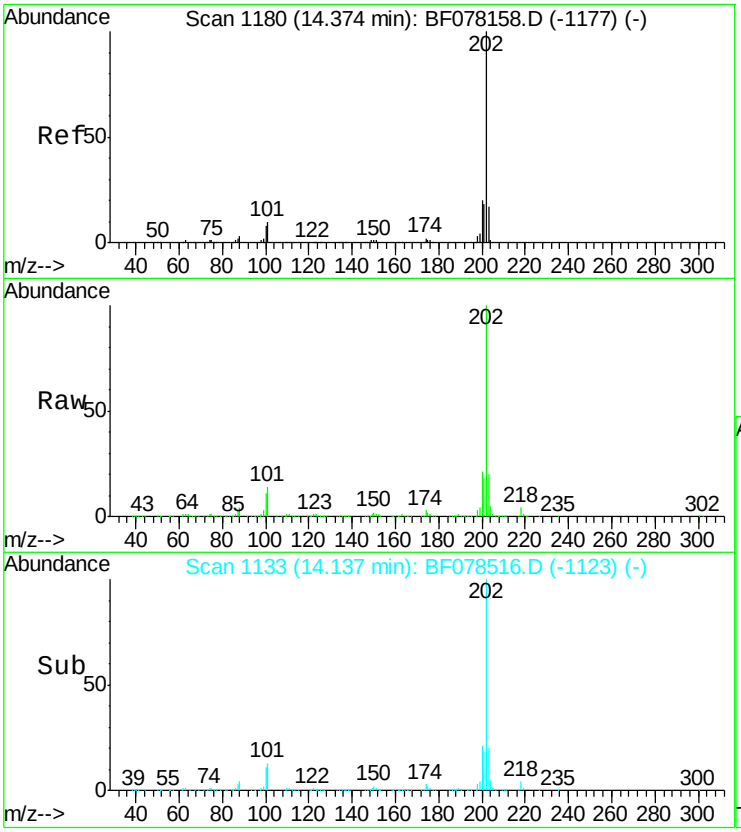


#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1263
Delta R.T. -0.03 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:240 Resp: 101763

Ion	Ratio	Lower	Upper
240	100		
120	14.4	7.1	10.7#
236	25.8	21.4	32.2



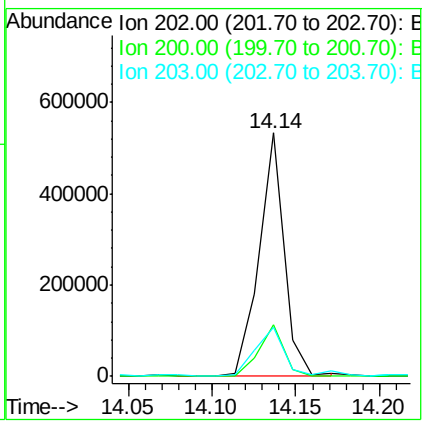


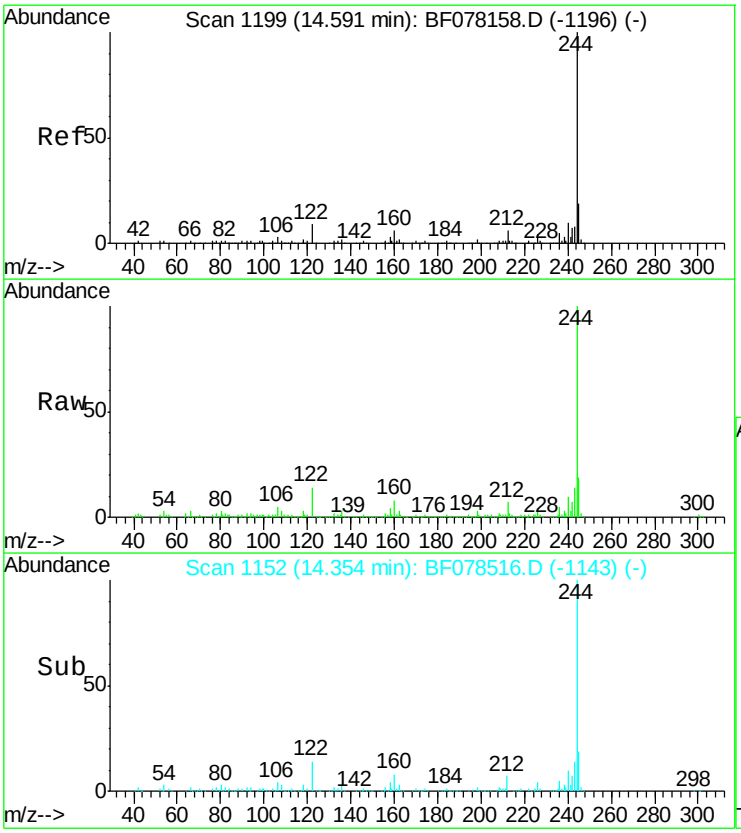
#77
Pyrene
Concen: 87.31 ng m
RT: 14.14 min Scan# 1133
Delta R.T. 0.01 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:202 Resp: 557757

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.3	24.5
203	20.3	13.8	20.6

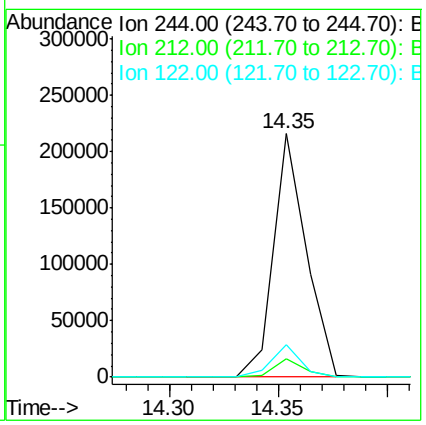


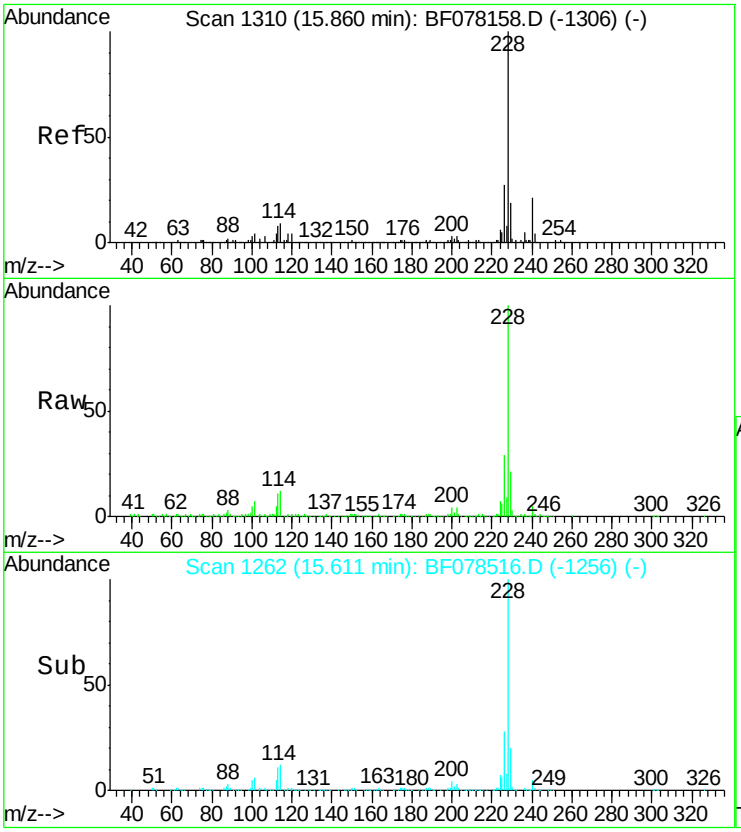


#78
Terphenyl-d14
Concen: 50.77 ng
RT: 14.35 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:244 Resp: 228622

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.0	7.4
122	13.6	7.1	10.7#



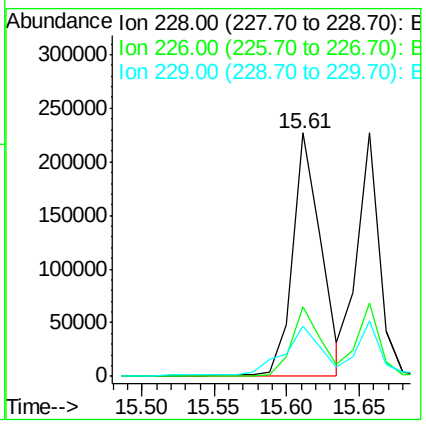


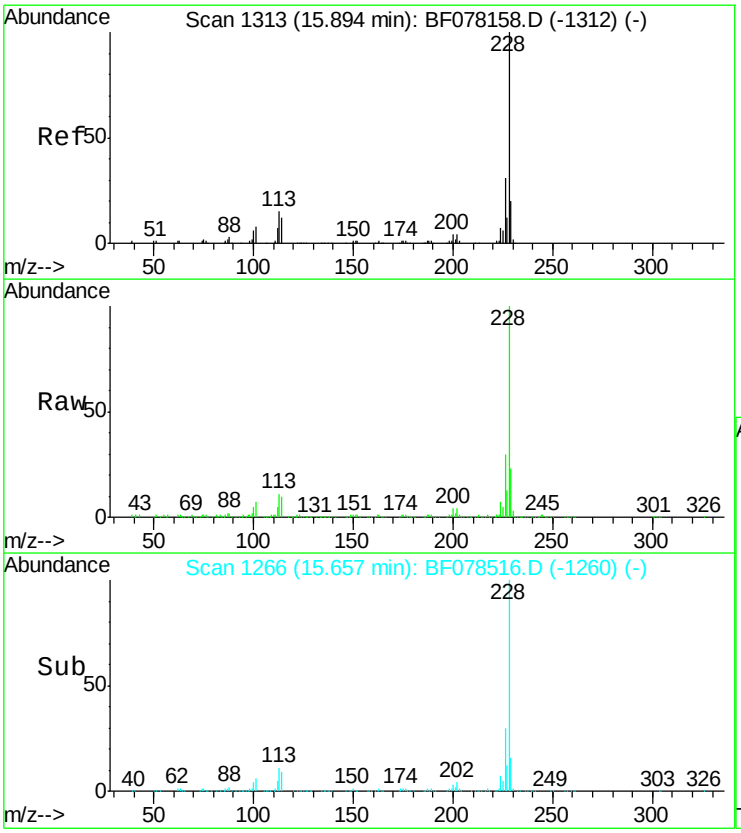
#80
Benzo(a)anthracene
Concen: 50.16 ng
RT: 15.61 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:228 Resp: 303699

Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.3	31.9
229	20.7	15.4	23.2

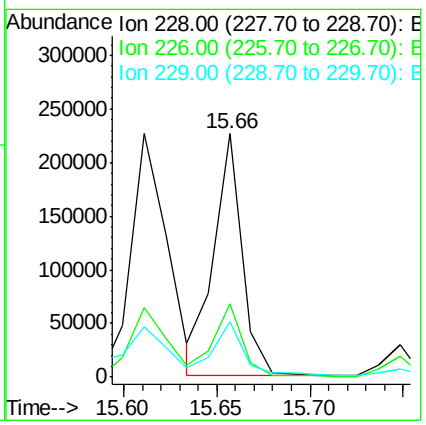


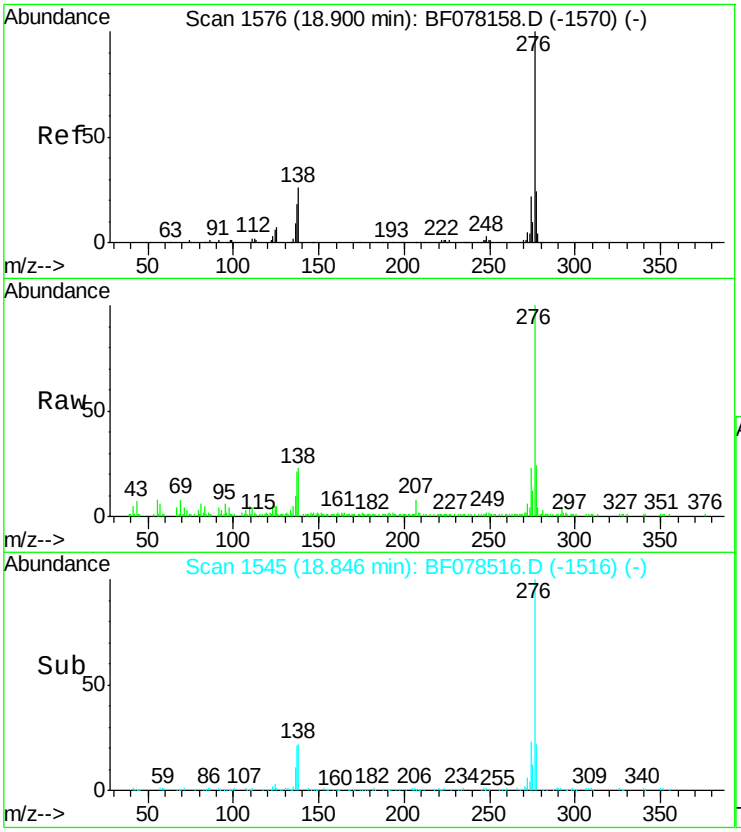


#82
Chrysene
Concen: 42.09 ng
RT: 15.66 min Scan# 1266
Delta R.T. -0.03 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:228 Resp: 239428

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.4
229	22.8	15.8	23.8



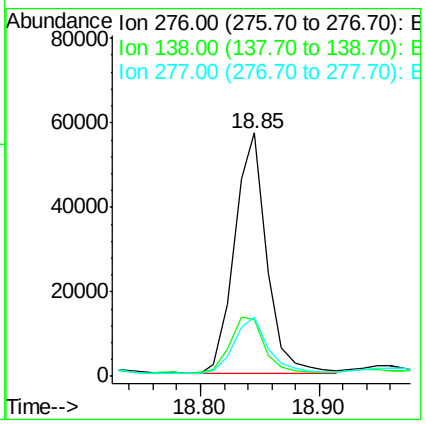


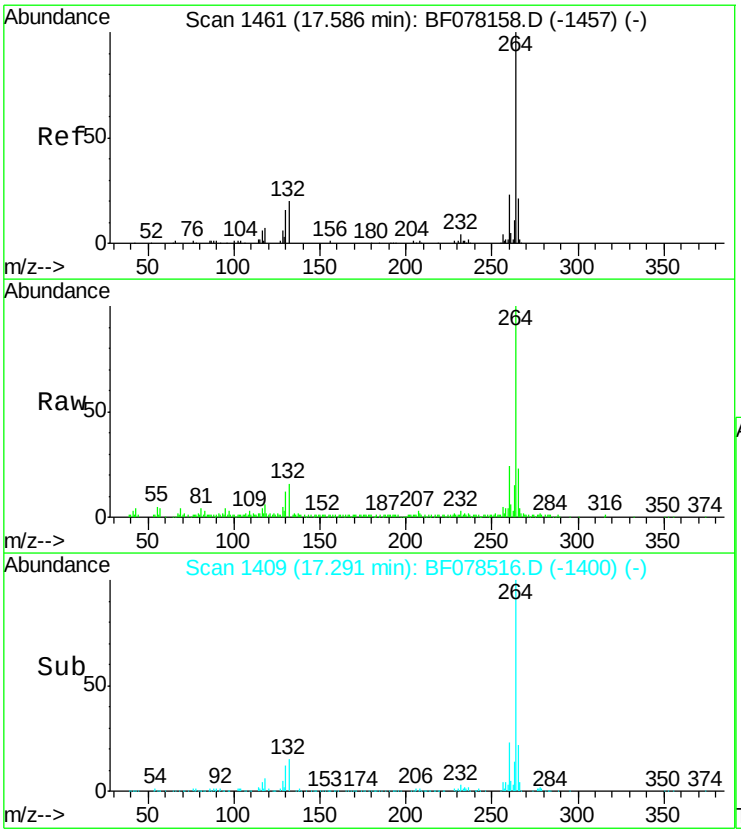
#85
Indeno(1,2,3-cd)pyrene
Concen: 16.59 ng
RT: 18.85 min Scan# 1545
Delta R.T. 0.03 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:276 Resp: 107110

Ion	Ratio	Lower	Upper
276	100		
138	24.7	16.9	25.3
277	25.7	15.8	23.6#

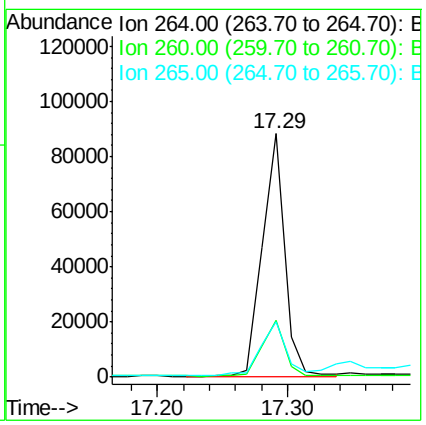


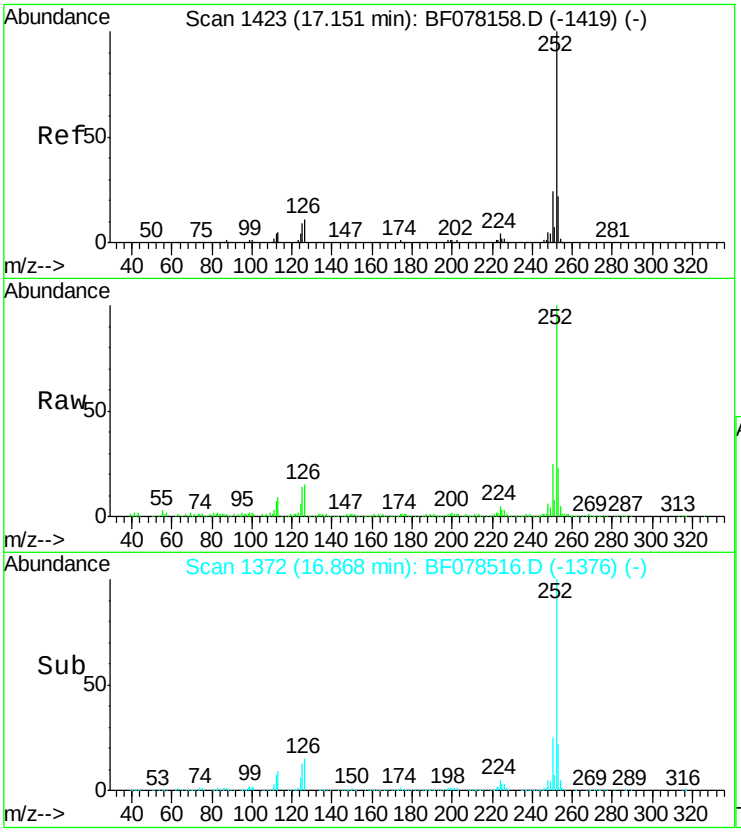


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.29 min Scan# 1409
Delta R.T. -0.19 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:264 Resp: 106224

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	22.8	17.0	25.6



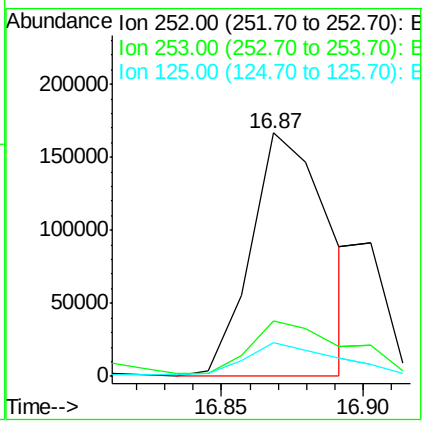


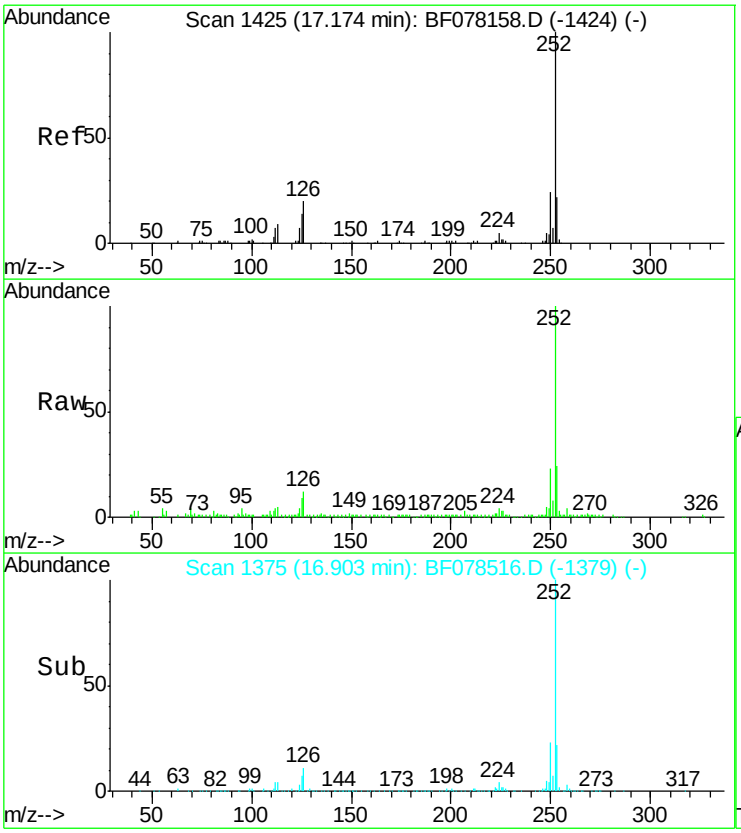
#87
Benzo(b)fluoranthene
Concen: 48.23 ng m
RT: 16.87 min Scan# 1372
Delta R.T. -0.15 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:252 Resp: 316629

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	13.6	7.0	10.4#

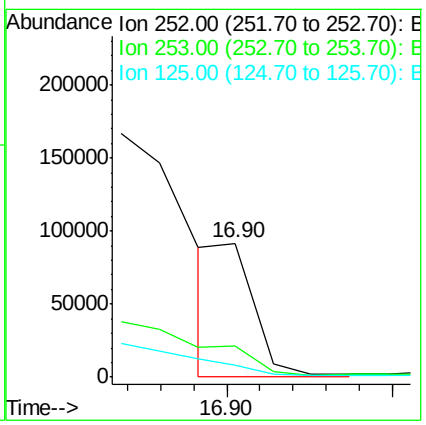


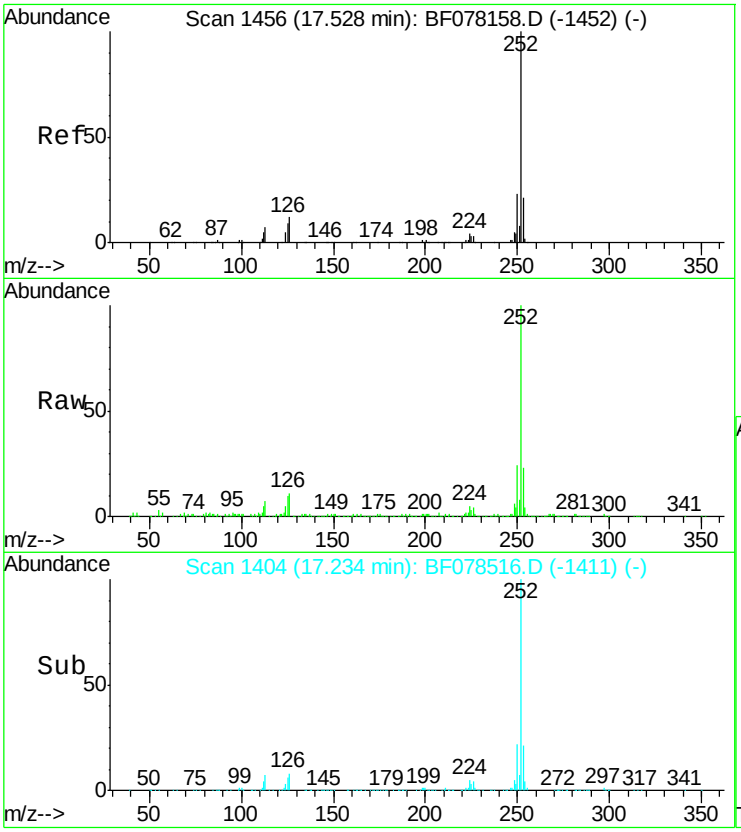


#88
Benzo(k)fluoranthene
Concen: 12.31 ng m
RT: 16.90 min Scan# 1375
Delta R.T. -0.15 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:252 Resp: 71812

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	8.7	11.6	17.4#



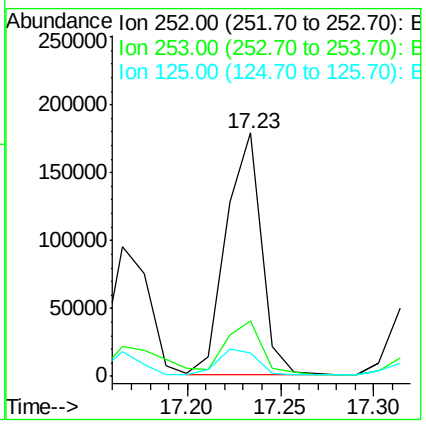


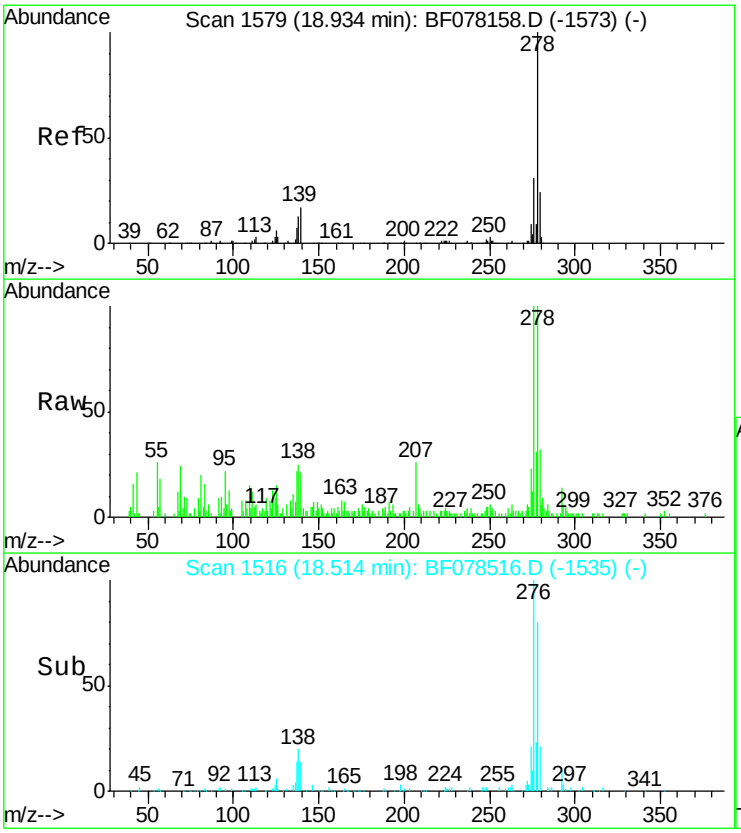
#89
Benzo(a)pyrene
Concen: 40.75 ng
RT: 17.23 min Scan# 1404
Delta R.T. -0.18 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:252 Resp: 233485

Ion	Ratio	Lower	Upper
252	100		
253	22.8	16.8	25.2
125	9.7	7.4	11.0

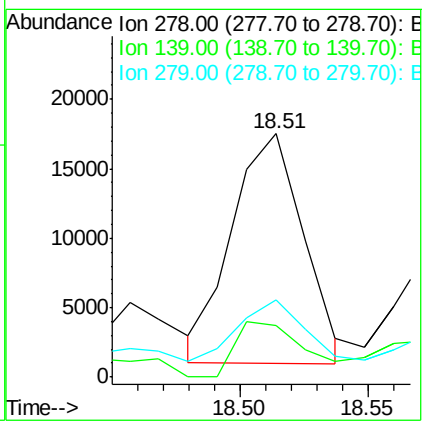


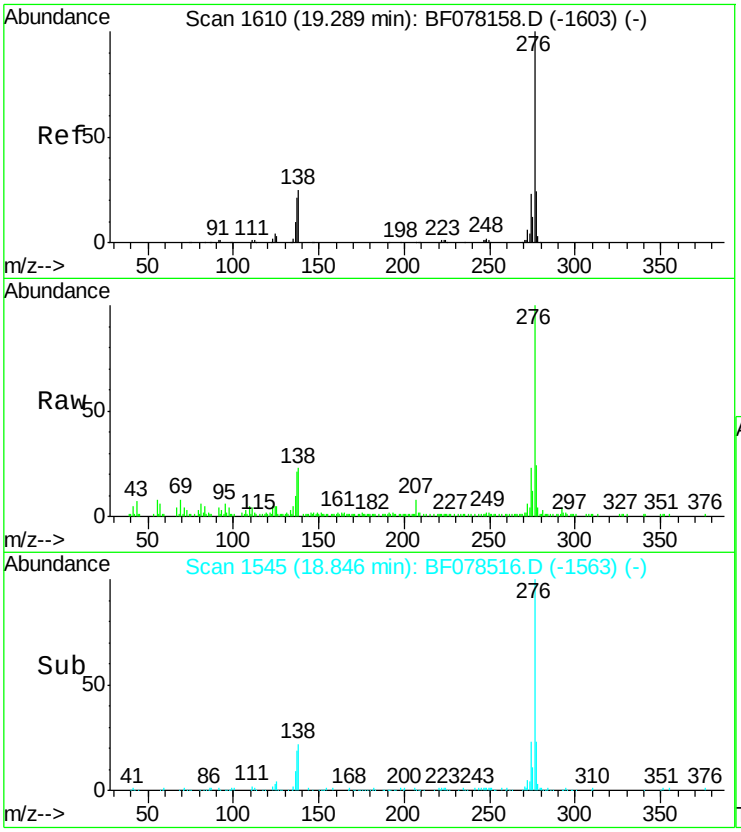


#90
Dibenzo(a,h)anthracene
Concen: 5.57 ng m
RT: 18.51 min Scan# 1516
Delta R.T. -0.32 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Tgt Ion:278 Resp: 31926

Ion	Ratio	Lower	Upper
278	100		
139	21.3	13.6	20.4#
279	31.8	19.0	28.6#





#91
Benzo(g,h,i)perylene
Concen: 19.55 ng m
RT: 18.85 min Scan# 1545
Delta R.T. -0.31 min
Lab File: BF078516.D
Acq: 14 Apr 2015 23:20

Instrument :
BNA_F
ClientSampleId :
HS-SB01B

Tgt Ion:276 Resp: 112451

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.0	28.4
138	23.1	19.9	29.9