Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078570.D
Acq On : 16 Apr 2015 17:25
Operator : TP/IZ
Sample : G1828-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HS-SB05A

Quant Time: Apr 17 01:56:25 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 17 00:52:22 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	23269	20.00	ng		0.00
21) Naphthalene-d8	8.27	136	97027	20.00	ng		0.00
38) Acenaphthene-d10	10.42	164	47973	20.00	ng		0.00
63) Phenanthrene-d10	12.25	188	88758	20.00	ng		0.01
75) Chrysene-d12	15.51	240	98359	20.00	ng		0.02
86) Perylene-d12	17.29	264	98813	20.00	ng		0.10
System Monitoring Compounds							
5) 2-Fluorophenol	4.91	112	140878	99.82	ng		0.01
7) Phenol-d6	6.31	99	194248	109.83	ng		0.01
23) Nitrobenzene-d5	7.39	82	112491	70.27	ng		0.00
41) 2,4,6-Tribromophenol	11.40	330	49327	123.98	ng		0.01
44) 2-Fluorobiphenyl	9.62	172	230781	68.76	ng		0.00
78) Terphenyl-d14	14.24	244	255775	58.76	ng		0.01
Target Compounds							Qvalue
10) Phenol	6.32	94	6442	3.04	ng	#	68
31) Naphthalene	8.30	128	31001	6.14	ng		99
37) 2-Methylnaphthalene	9.15	142	41444	12.09	ng		95
45) 1,1'-Biphenyl	9.74	154	13900	3.54	ng		98
51) Acenaphthene	10.47	154	17231	6.14	ng		94
54) Dibenzofuran	10.68	168	22736	5.30	ng		96
57) Fluorene	11.10	166	20814	5.99	ng	#	88
70) Phenanthrene	12.27	178	240249	46.79	ng		97
71) Anthracene	12.34	178	73708m	14.57	ng		
72) Carbazole	12.56	167	35246	7.43	ng	#	87
74) Fluoranthene	13.75	202	387579	71.58	ng		92
77) Pyrene	14.01	202	384295	62.24	ng	#	90
80) Benzo(a)anthracene	15.50	228	232697	39.76	ng		91
82) Chrysene	15.54	228	203507	37.01	ng		97
85) Indeno(1,2,3-cd)pyrene	18.54	276	208557m	33.43	ng		
87) Benzo(b)fluoranthene	16.83	252	323583m	52.99	ng		
88) Benzo(k)fluoranthene	16.85	252	131633m	24.25	ng		
89) Benzo(a)pyrene	17.22	252	248307	46.59	ng	#	90
90) Dibenzo(a,h)anthracene	18.55	278	46044m	8.63	ng		
91) Benzo(g,h,i)perylene	18.87	276	222412m	41.57	ng		

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

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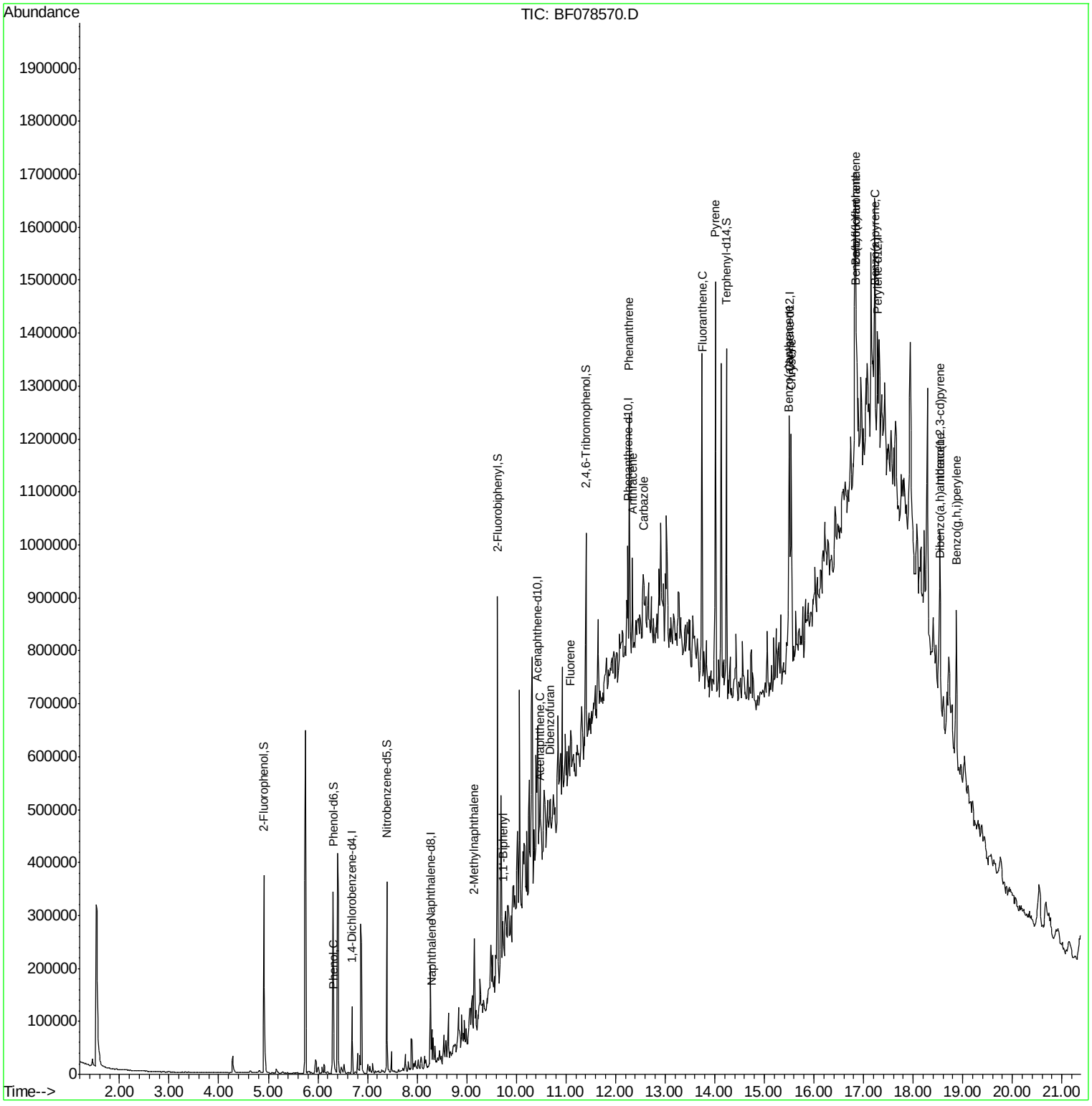
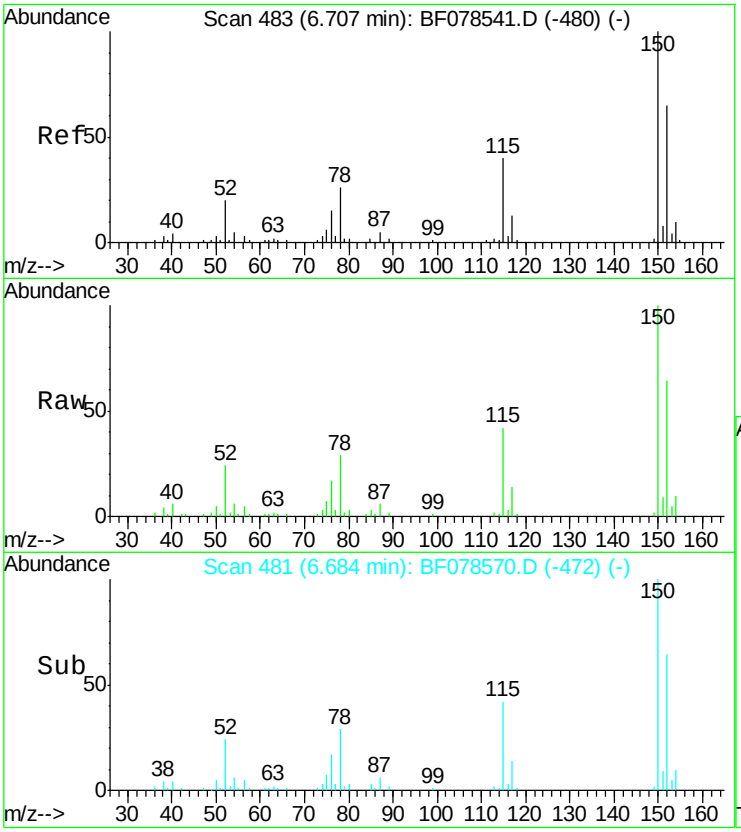


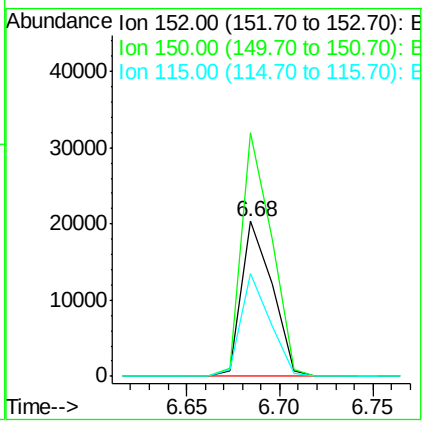


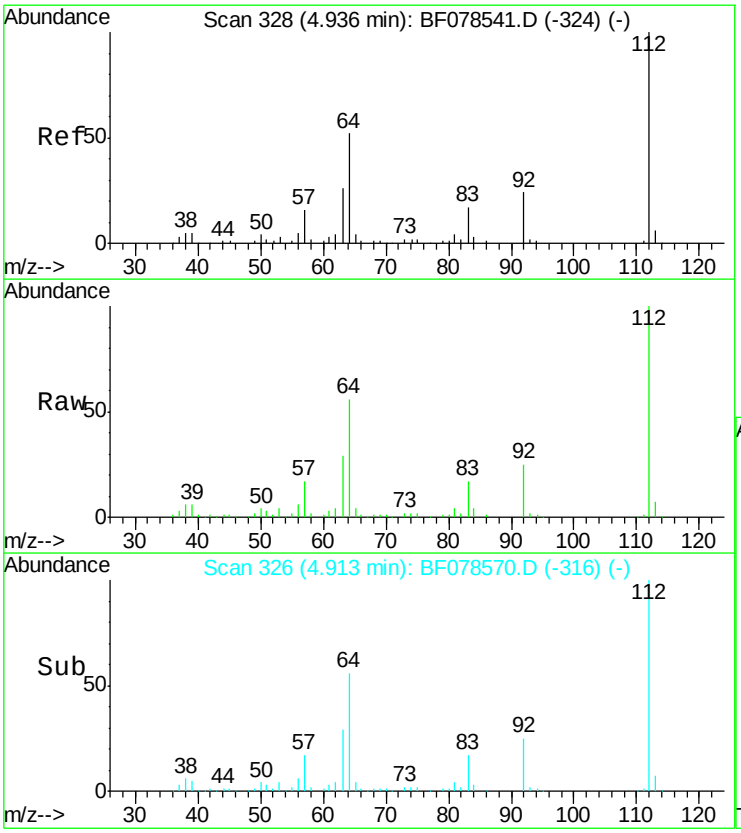
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 481
Delta R.T. -0.00 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:152 Resp: 23269

Ion	Ratio	Lower	Upper
152	100		
150	156.9	125.9	188.9
115	66.6	52.7	79.1

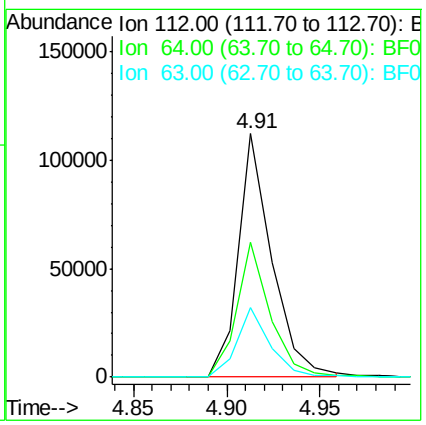


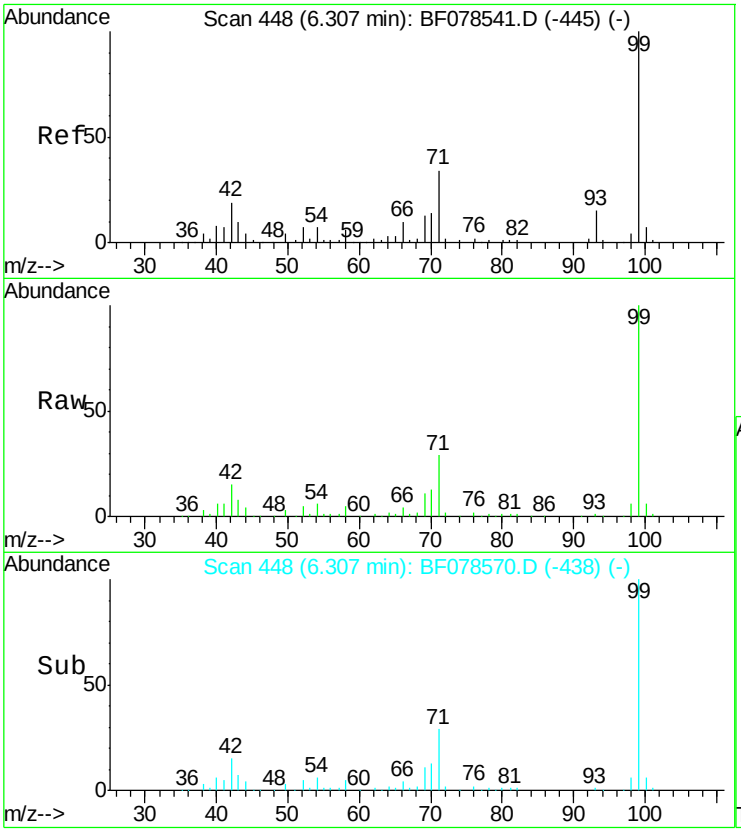


#5
2-Fluorophenol
Concen: 99.82 ng
RT: 4.91 min Scan# 326
Delta R.T. 0.01 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion:112 Resp: 140878

Ion	Ratio	Lower	Upper
112	100		
64	55.5	39.9	59.9
63	28.7	20.2	30.4



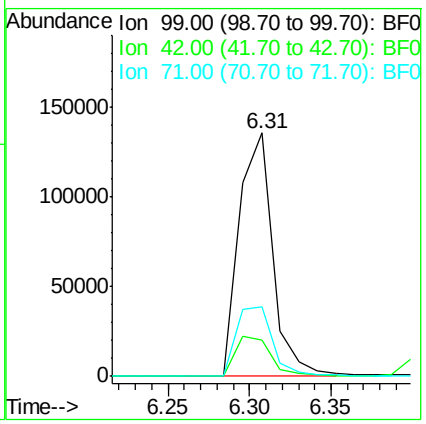


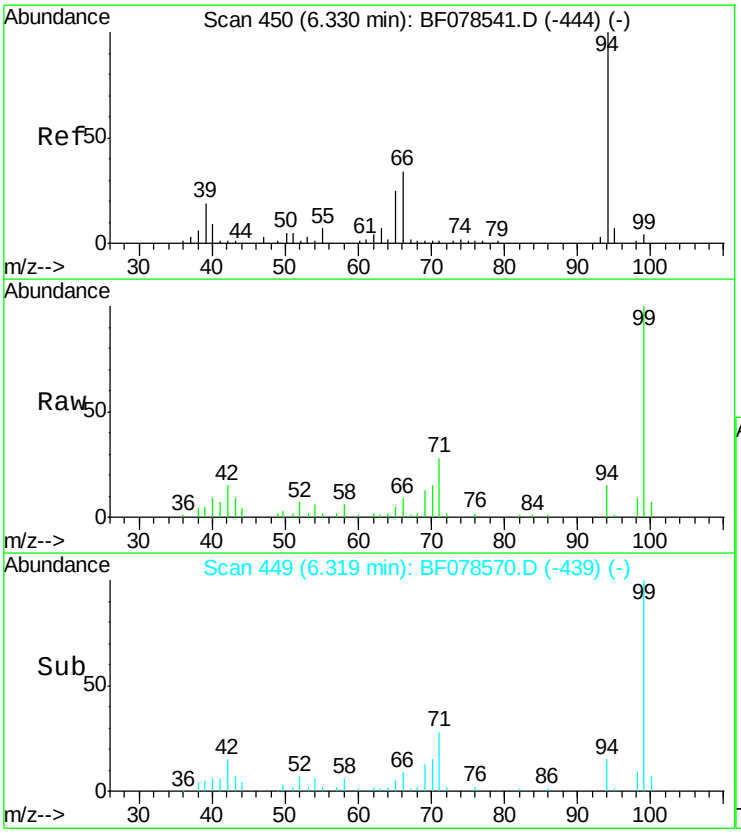
#7
Phenol-d6
Concen: 109.83 ng
RT: 6.31 min Scan# 448
Delta R.T. 0.01 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion: 99 Resp: 194248

Ion	Ratio	Lower	Upper
99	100		
42	14.8	14.8	22.2#
71	28.8	26.6	39.8

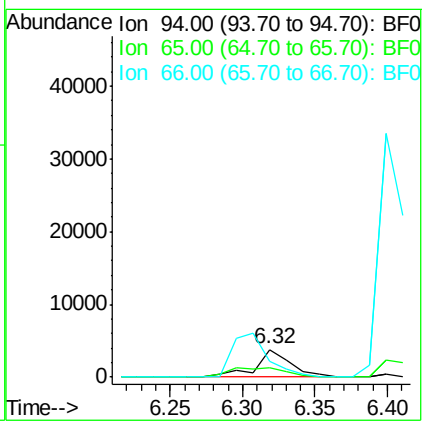


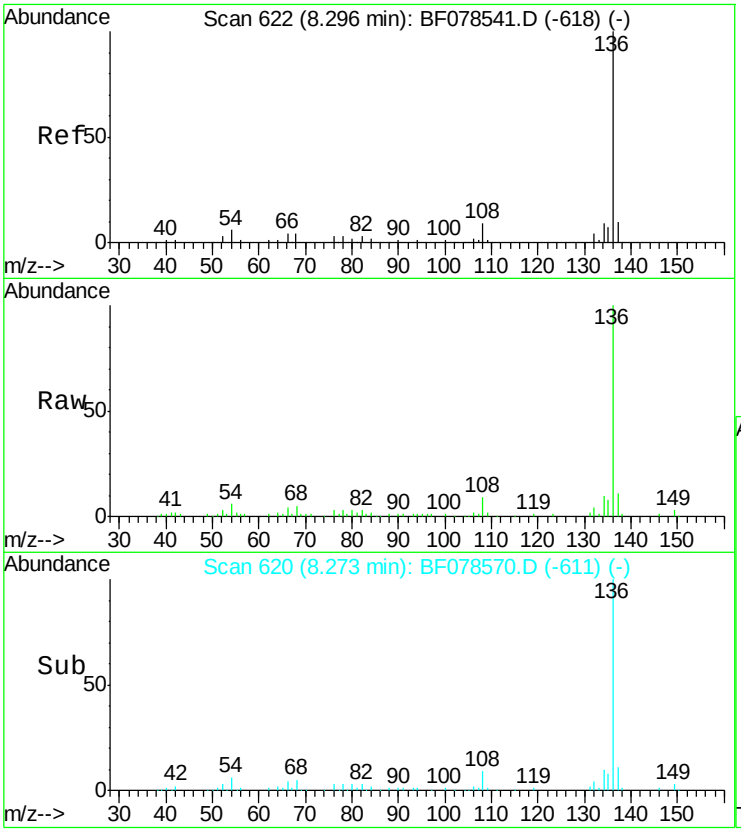


#10
Phenol
Concen: 3.04 ng
RT: 6.32 min Scan# 449
Delta R.T. 0.01 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion: 94 Resp: 6442

Ion	Ratio	Lower	Upper
94	100		
65	32.3	4.9	44.9
66	59.5	13.8	53.8#



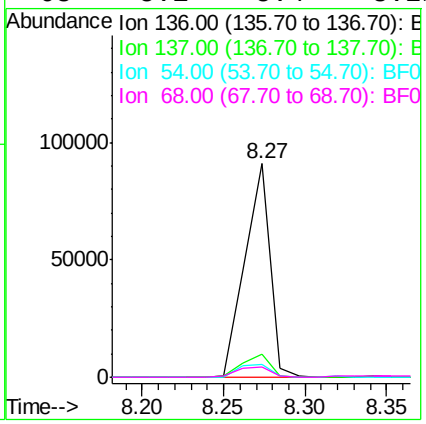


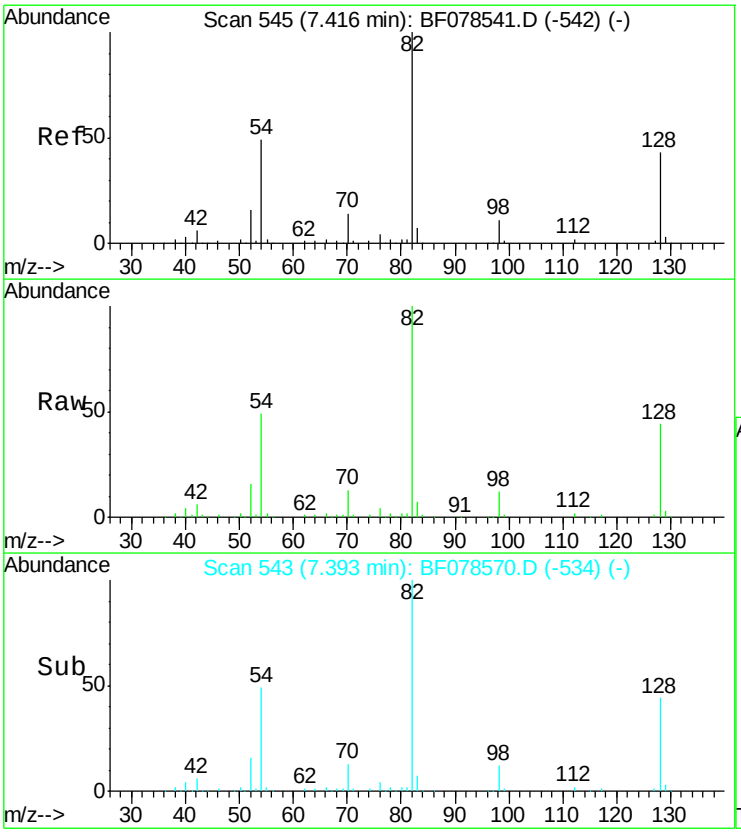
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 620
Delta R.T. -0.00 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:136 Resp: 97027

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	5.9	7.0	10.6#
68	5.1	5.4	8.2#

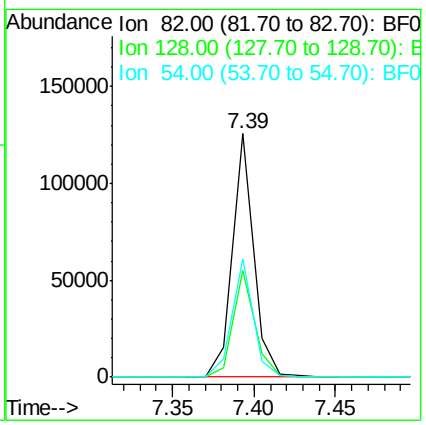


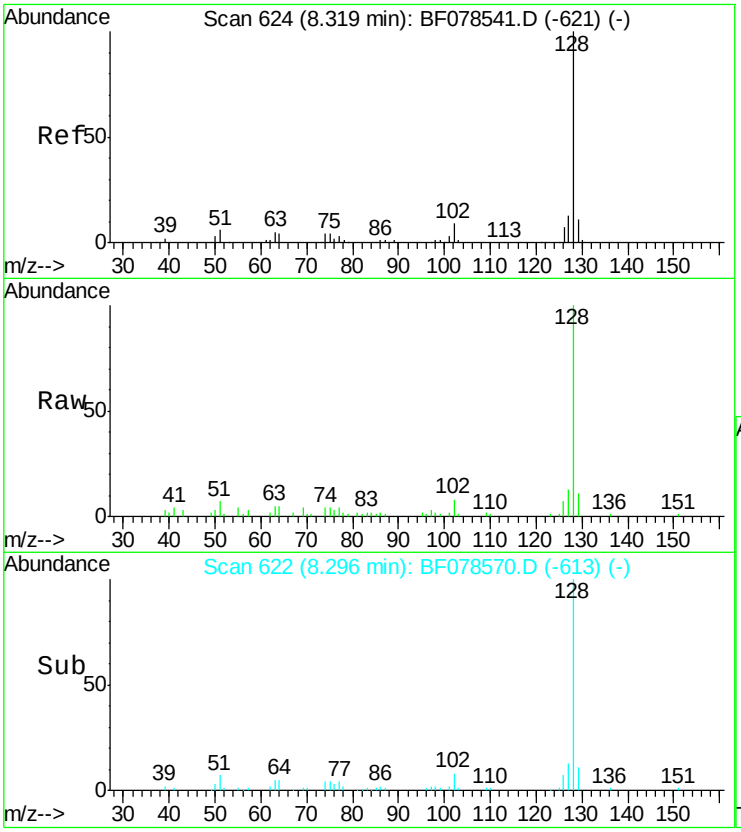


#23
Nitrobenzene-d5
Concen: 70.27 ng
RT: 7.39 min Scan# 543
Delta R.T. -0.00 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion: 82 Resp: 112491

Ion	Ratio	Lower	Upper
82	100		
128	43.7	31.8	47.8
54	48.8	41.5	62.3



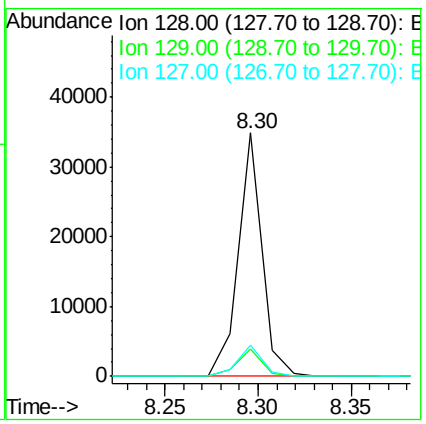


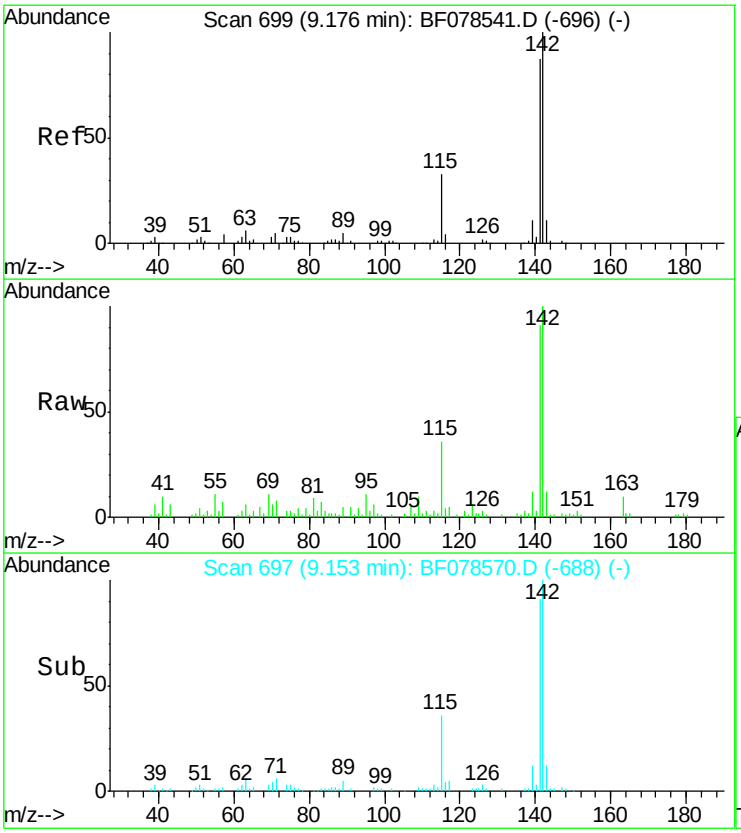
#31
Naphthalene
Concen: 6.14 ng
RT: 8.30 min Scan# 622
Delta R.T. -0.00 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:128 Resp: 31001

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	12.9	10.7	16.1

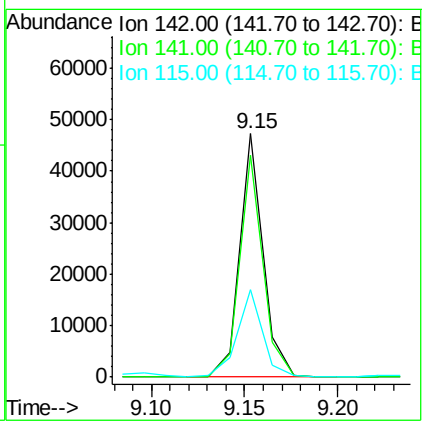


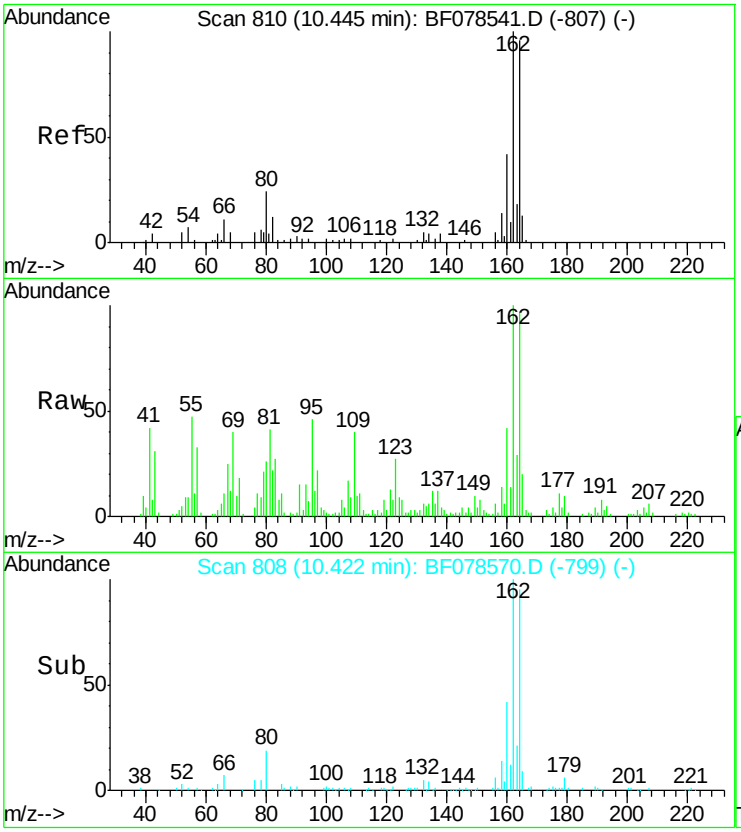


#37
2-Methylnaphthalene
Concen: 12.09 ng
RT: 9.15 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion:142 Resp: 41444

Ion	Ratio	Lower	Upper
142	100		
141	90.9	70.3	105.5
115	36.1	24.6	37.0



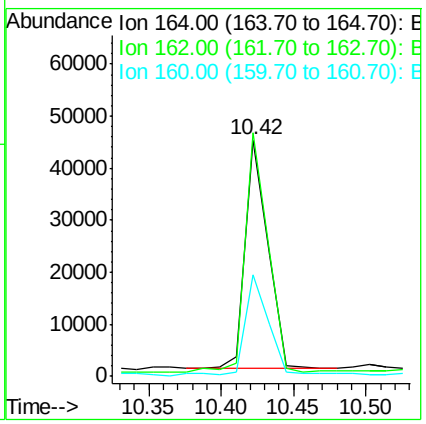


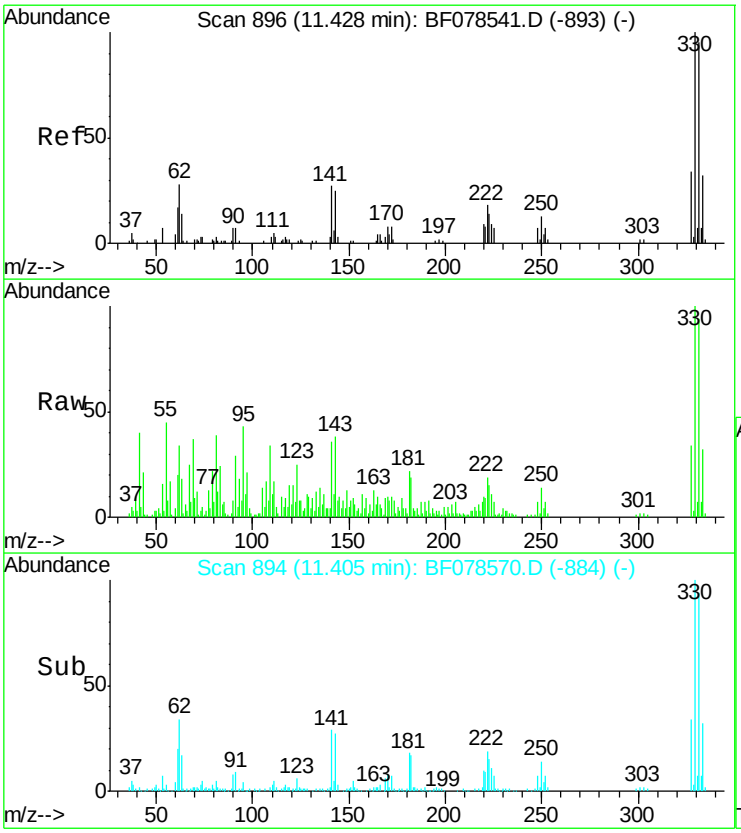
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.42 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:164 Resp: 47973

Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.2	123.2
160	43.0	34.7	52.1

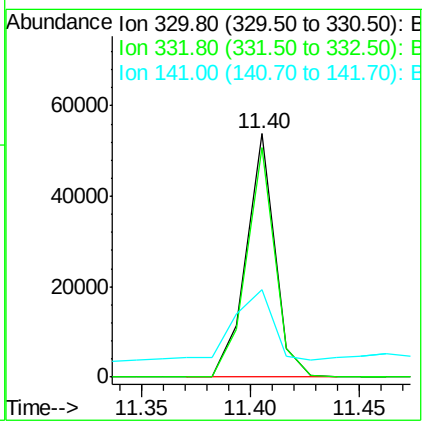


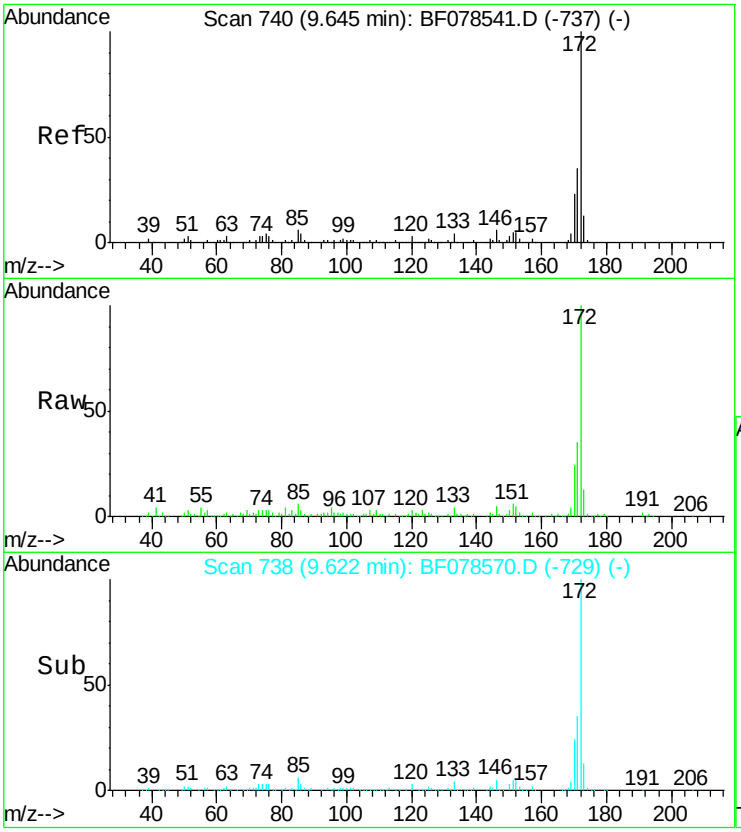


#41
2,4,6-Tribromophenol
Concen: 123.98 ng
RT: 11.40 min Scan# 894
Delta R.T. 0.01 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion:330 Resp: 49327

Ion	Ratio	Lower	Upper
330	100		
332	94.7	78.6	117.8
141	41.2	31.2	46.8



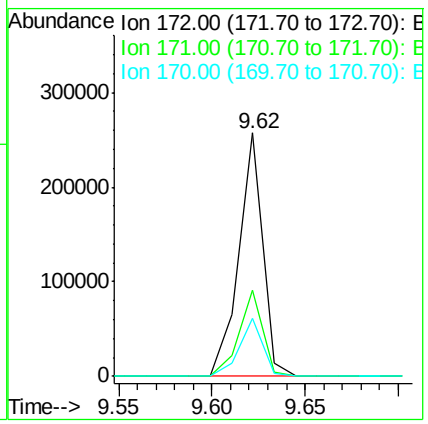


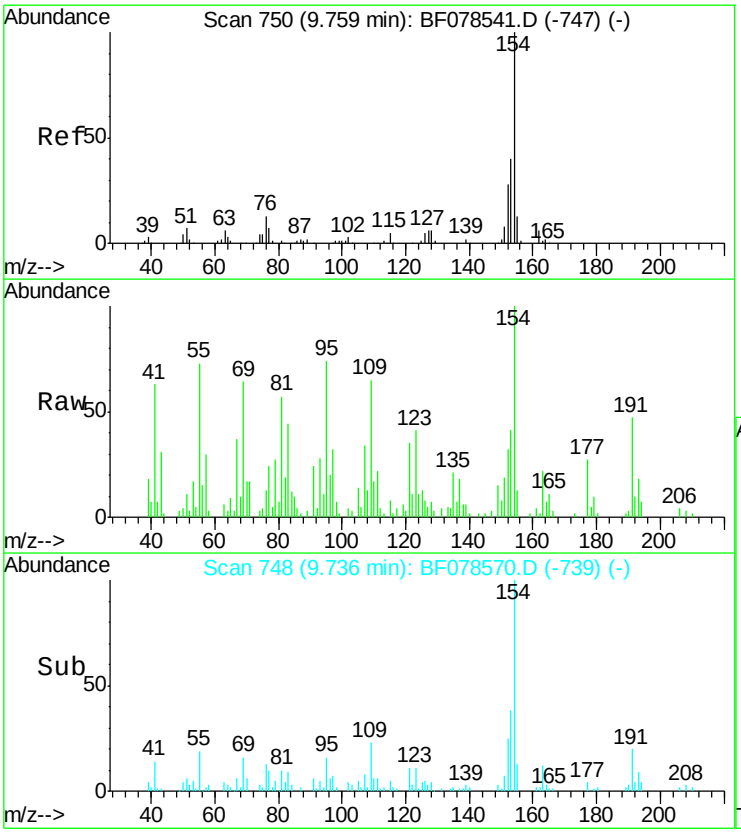
#44
2-Fluorobiphenyl
Concen: 68.76 ng
RT: 9.62 min Scan# 738
Delta R.T. -0.00 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:172 Resp: 230781

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.9	18.5	27.7

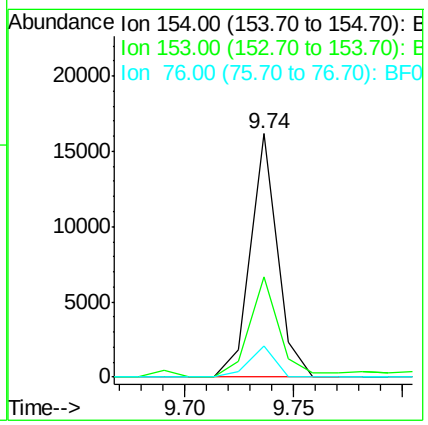


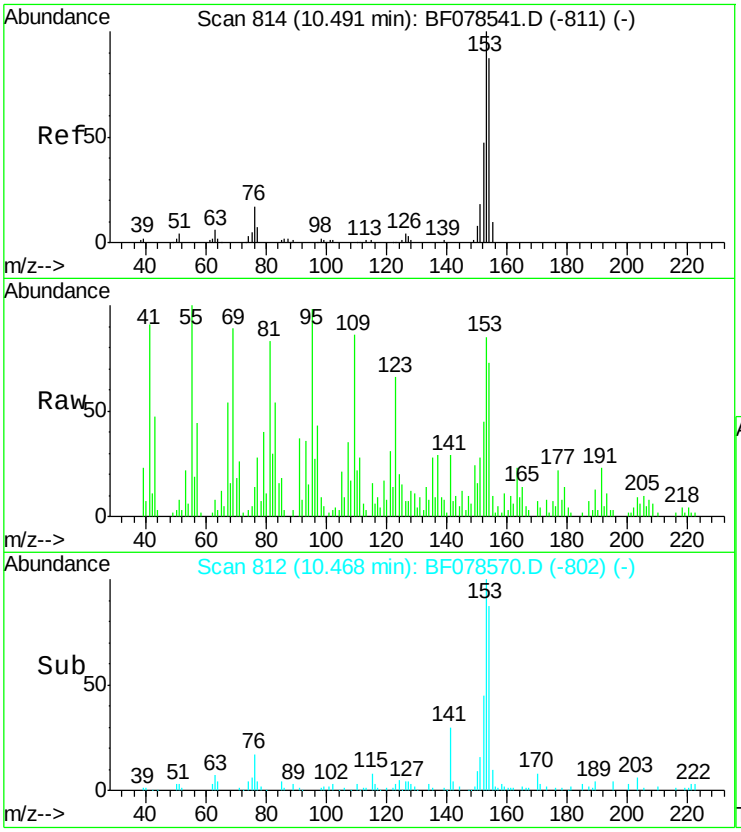


#45
1,1'-Biphenyl
Concen: 3.54 ng
RT: 9.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion:154 Resp: 13900

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.0	60.0
76	12.7	0.0	30.6



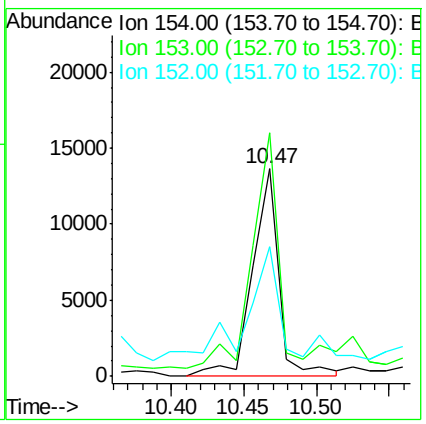


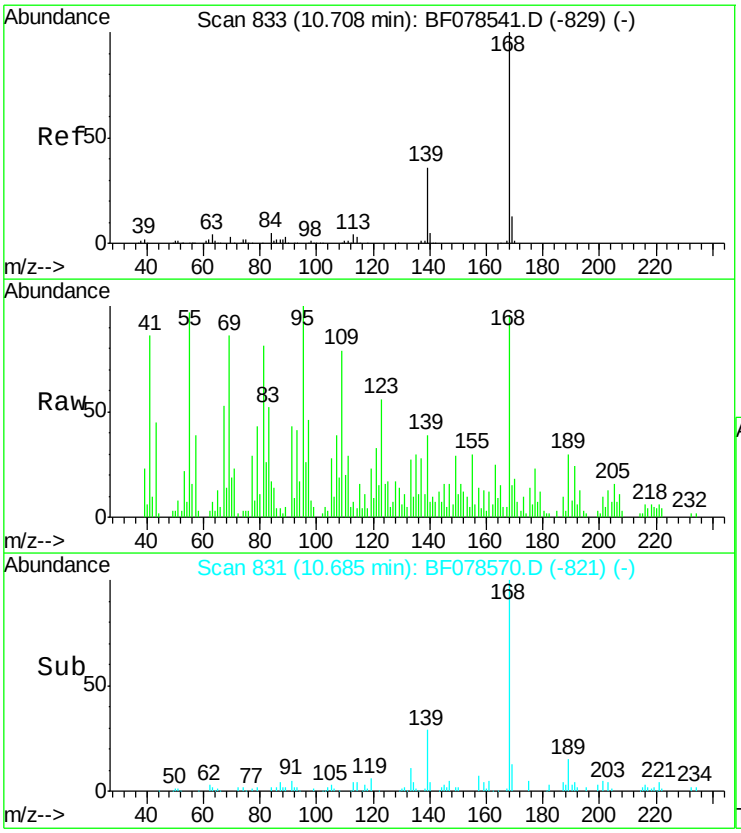
#51
Acenaphthene
Concen: 6.14 ng
RT: 10.47 min Scan# 812
Delta R.T. 0.01 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:154 Resp: 17231

Ion	Ratio	Lower	Upper
154	100		
153	117.4	91.4	137.2
152	62.6	43.0	64.6

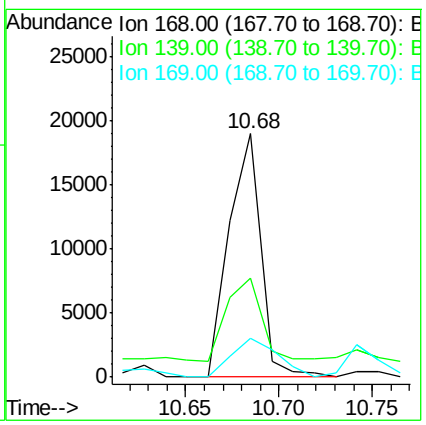


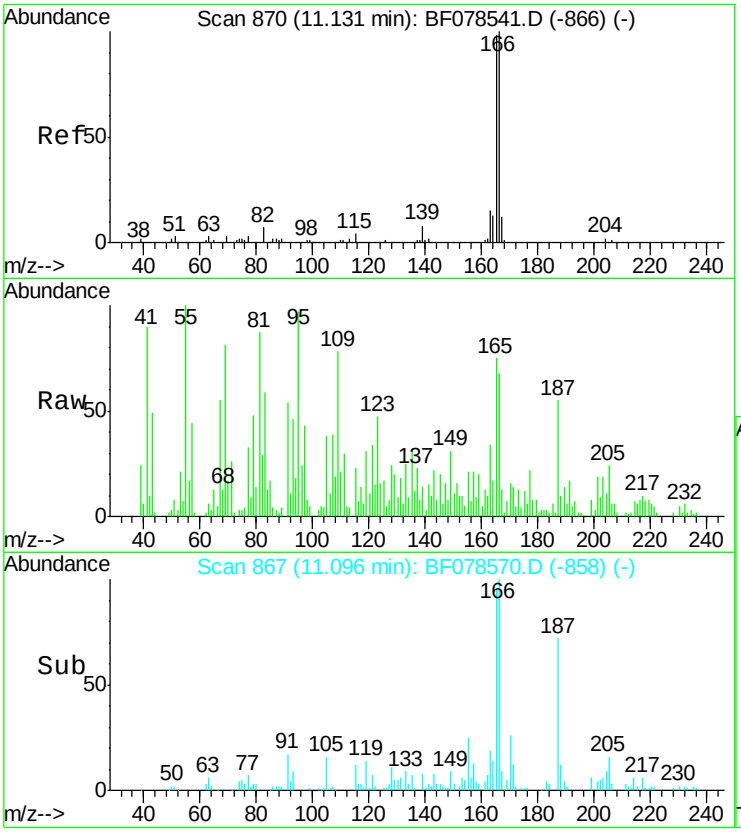


#54
Dibenzofuran
Concen: 5.30 ng
RT: 10.68 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion:168 Resp: 22736

Ion	Ratio	Lower	Upper
168	100		
139	40.5	31.0	46.4
169	15.9	10.7	16.1



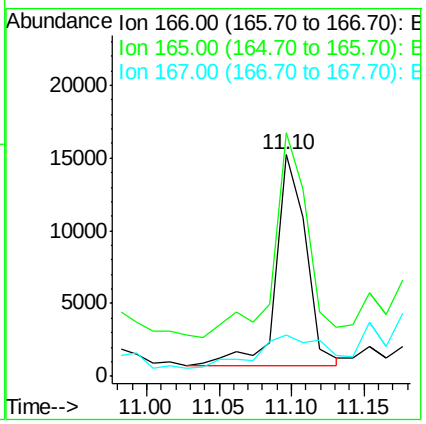


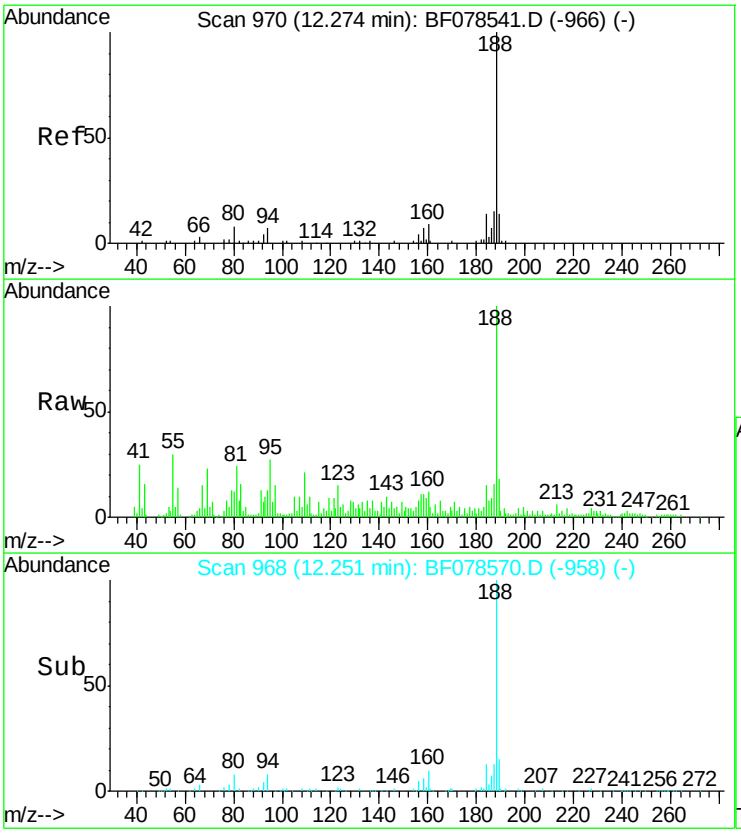
#57
Fluorene
Concen: 5.99 ng
RT: 11.10 min Scan# 867
Delta R.T. -0.00 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:166 Resp: 20814

Ion	Ratio	Lower	Upper
166	100		
165	109.9	78.9	118.3
167	18.9	10.7	16.1#

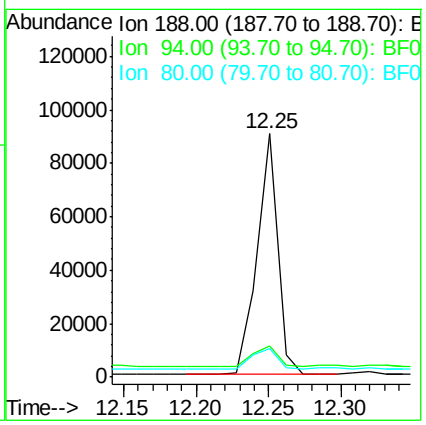


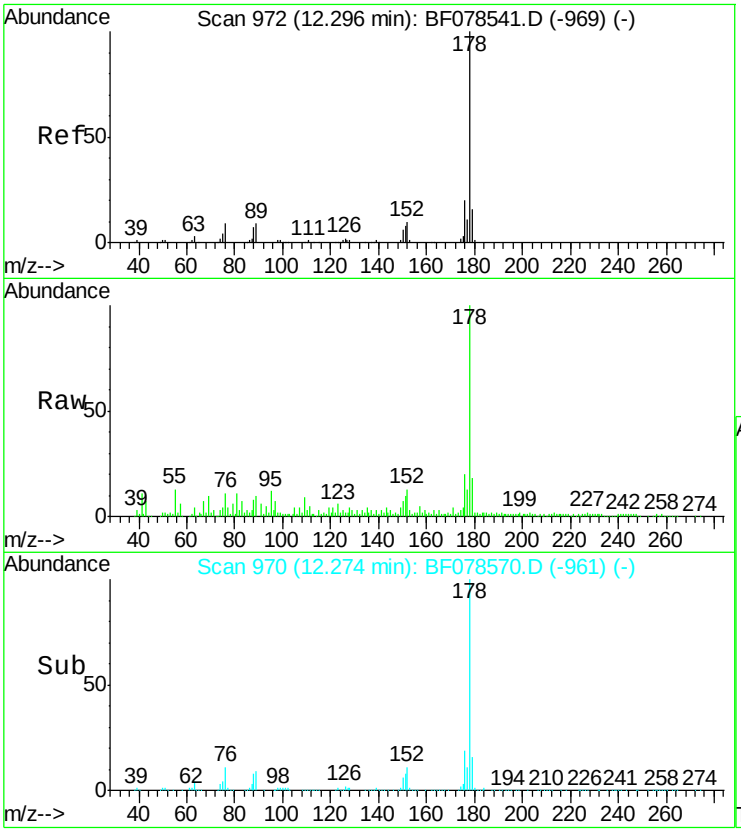


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.25 min Scan# 968
Delta R.T. 0.01 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion:188 Resp: 88758

Ion	Ratio	Lower	Upper
188	100		
94	12.6	9.0	13.4
80	11.6	9.5	14.3



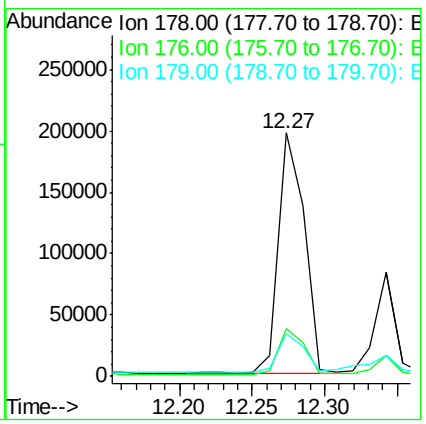


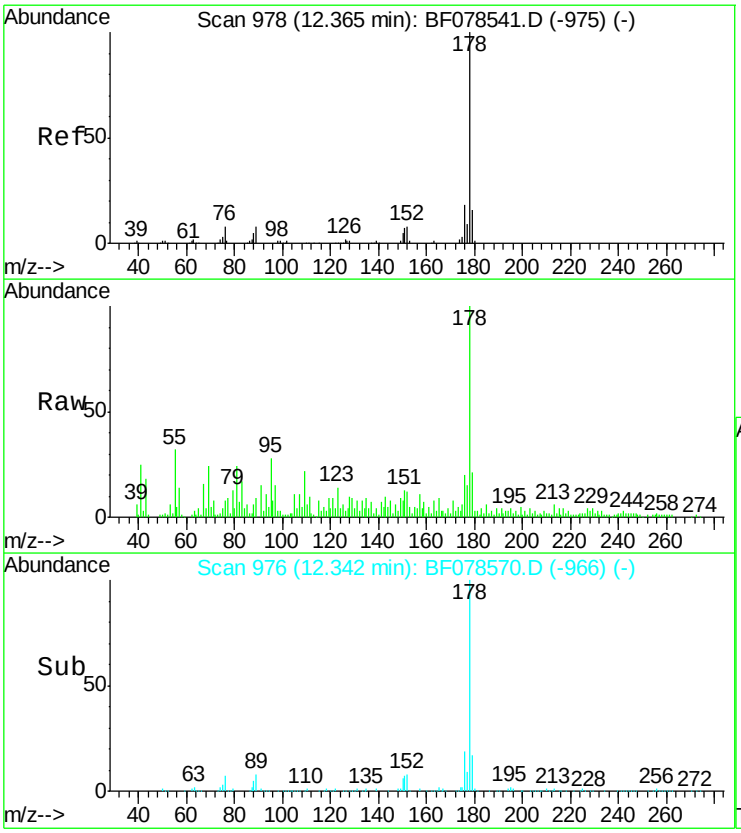
#70
Phenanthrene
Concen: 46.79 ng
RT: 12.27 min Scan# 970
Delta R.T. -0.00 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:178 Resp: 240249

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	17.7	12.2	18.2

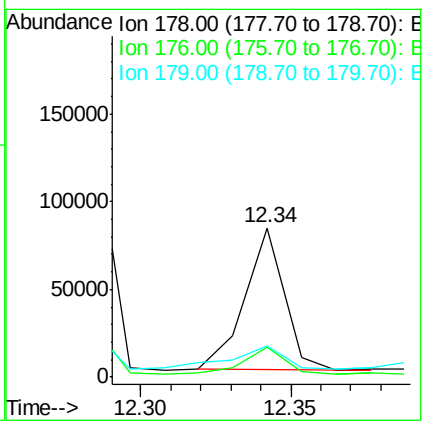


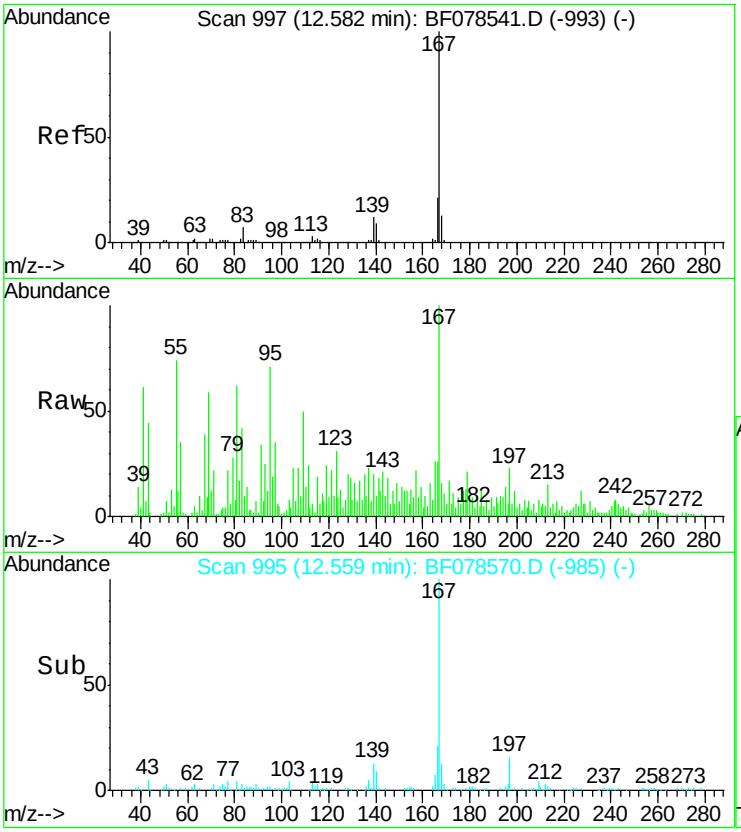


#71
Anthracene
Concen: 14.57 ng m
RT: 12.34 min Scan# 976
Delta R.T. 0.01 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion:178 Resp: 73708

Ion	Ratio	Lower	Upper
178	100		
176	20.1	14.8	22.2
179	20.6	12.4	18.6#



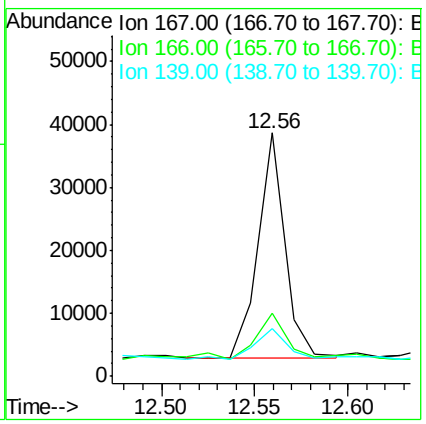


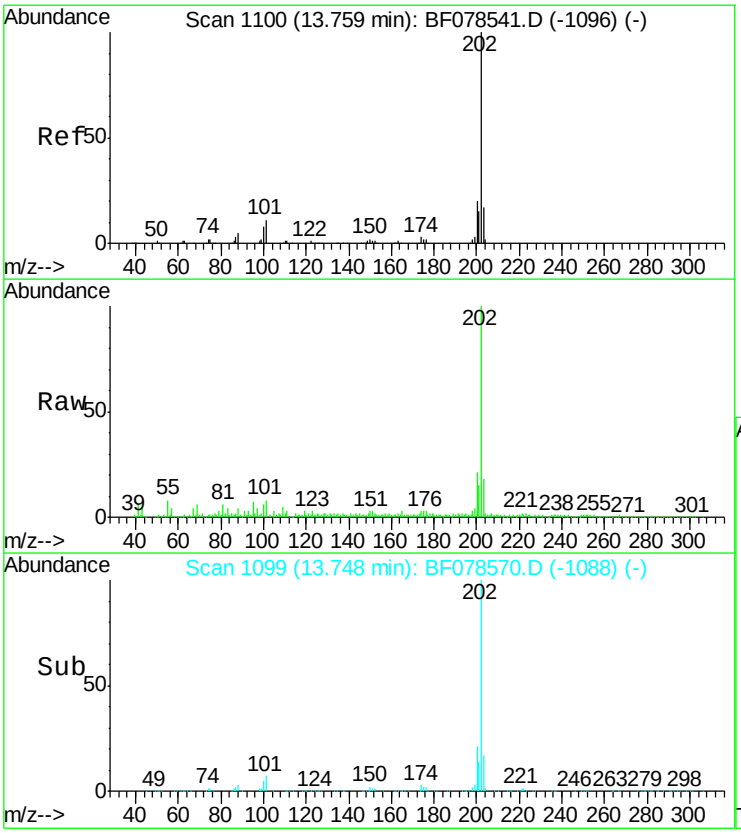
#72
Carbazole
Concen: 7.43 ng
RT: 12.56 min Scan# 995
Delta R.T. 0.01 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:167 Resp: 35246

Ion	Ratio	Lower	Upper
167	100		
166	25.7	16.8	25.2#
139	19.7	10.0	15.0#

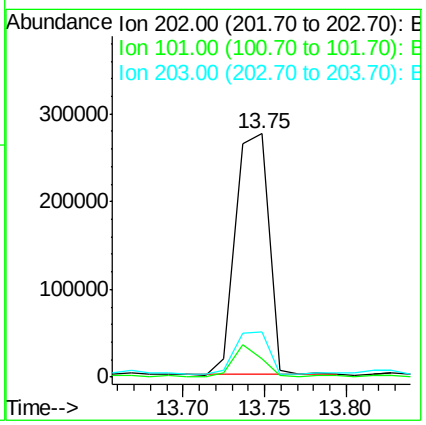


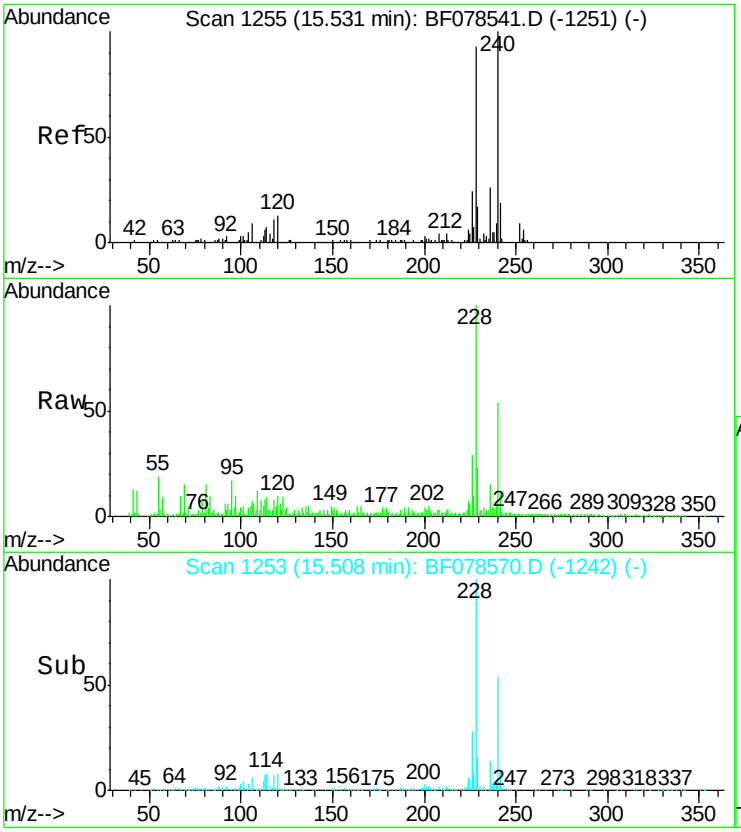


#74
Fluoranthene
Concen: 71.58 ng
RT: 13.75 min Scan# 1099
Delta R.T. 0.02 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion:202 Resp: 387579

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	35.2
203	18.4	0.0	38.5



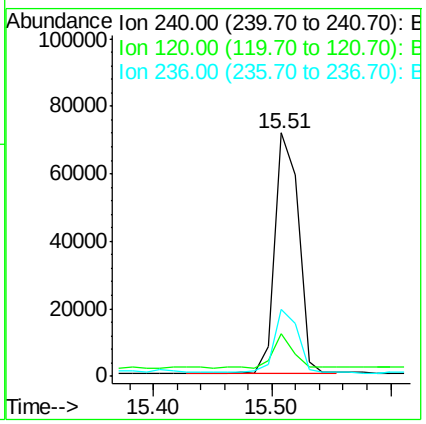


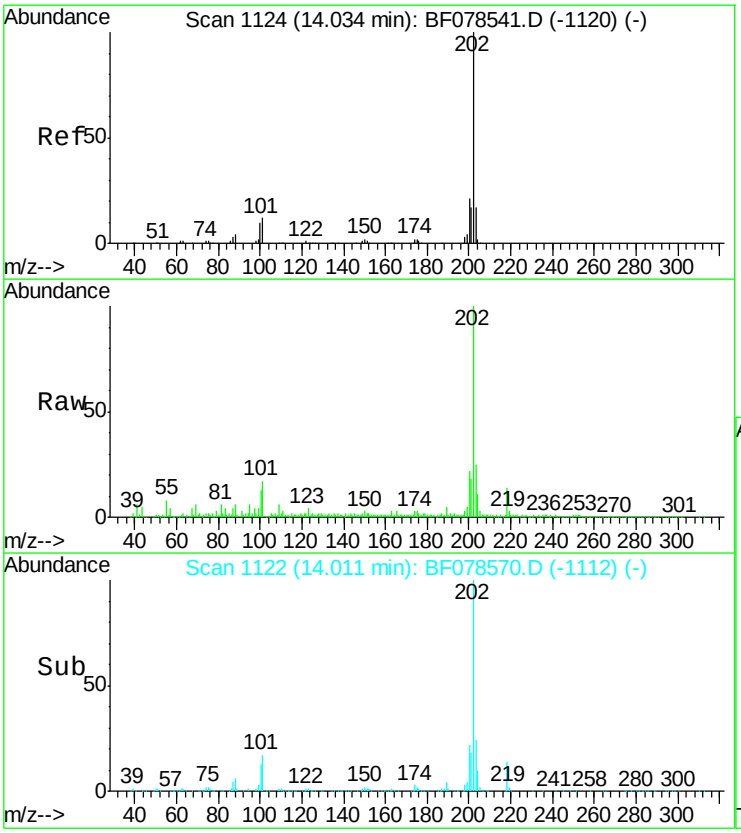
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1253
Delta R.T. 0.02 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:240 Resp: 98359

Ion	Ratio	Lower	Upper
240	100		
120	17.7	7.1	10.7#
236	27.5	21.4	32.2

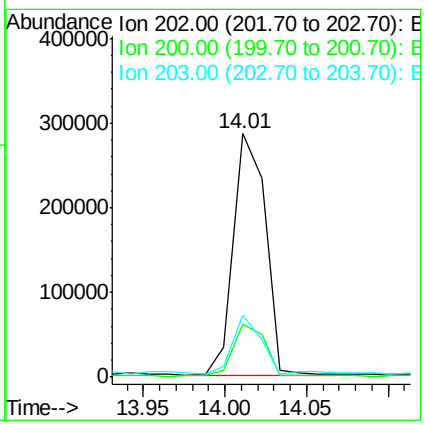


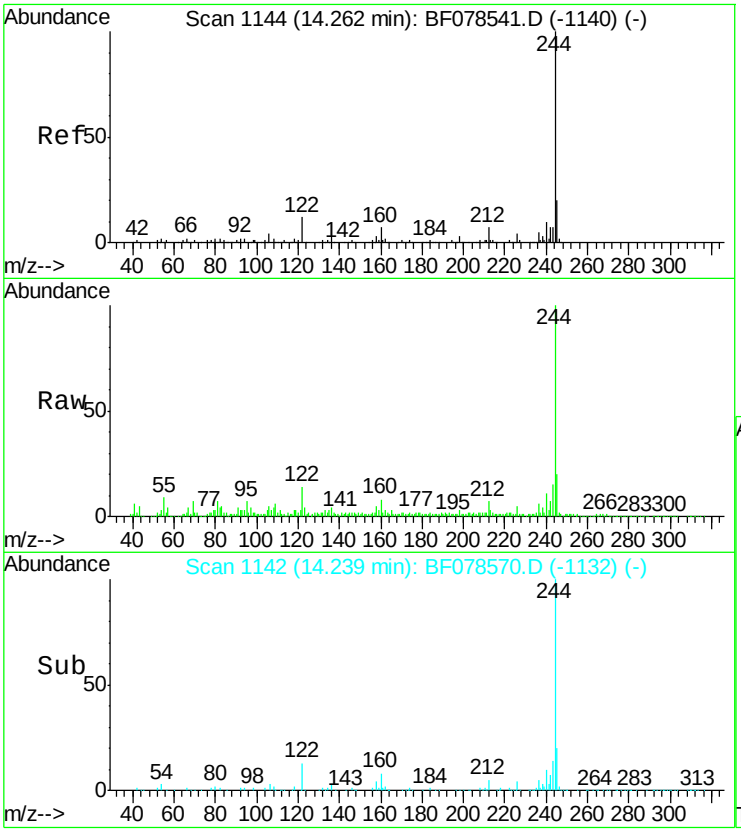


#77
Pyrene
Concen: 62.24 ng
RT: 14.01 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion:202 Resp: 384295

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.3	24.5
203	25.3	13.8	20.6#



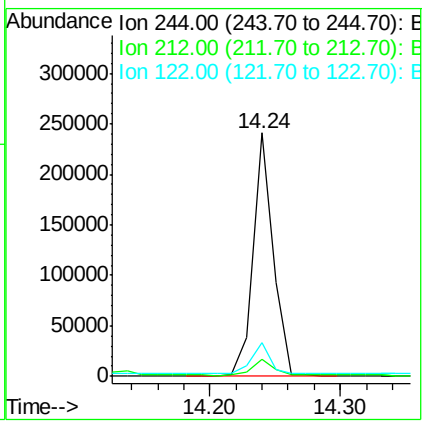


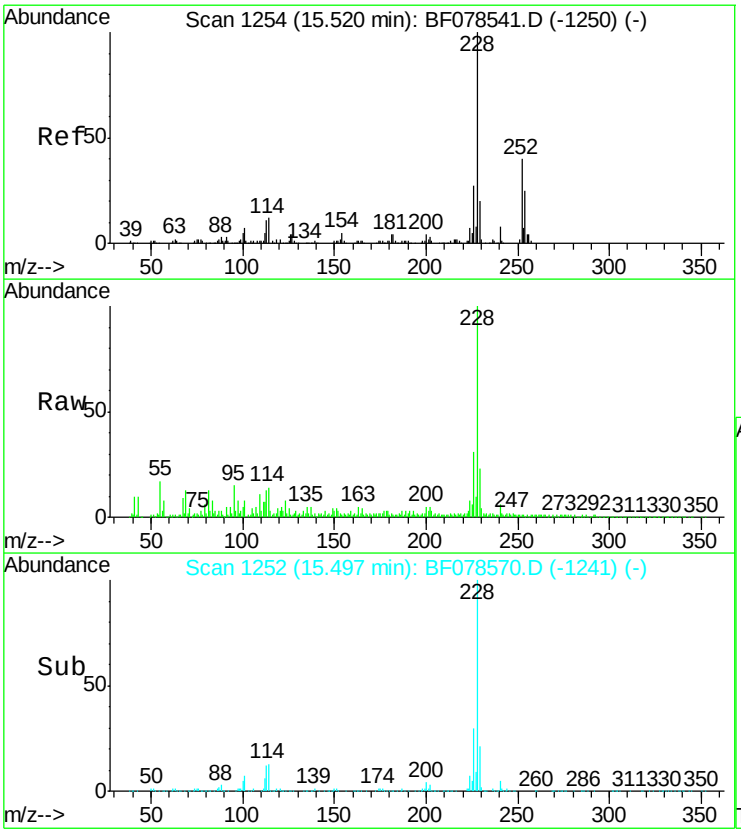
#78
Terphenyl-d14
Concen: 58.76 ng
RT: 14.24 min Scan# 1142
Delta R.T. 0.01 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:244 Resp: 255775

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.0	7.4
122	13.8	7.1	10.7#

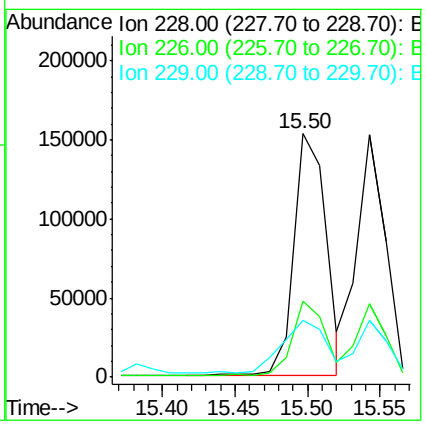


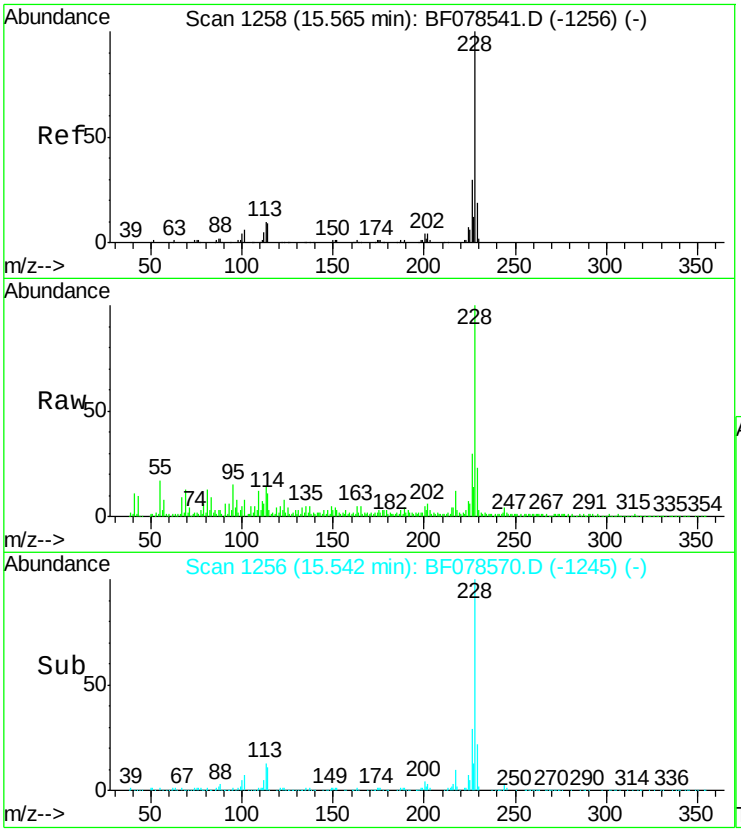


#80
Benzo(a)anthracene
Concen: 39.76 ng
RT: 15.50 min Scan# 1252
Delta R.T. 0.02 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion:228 Resp: 232697

Ion	Ratio	Lower	Upper
228	100		
226	31.1	21.3	31.9
229	23.1	15.4	23.2



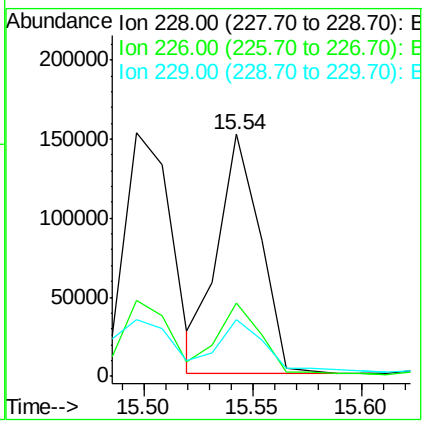


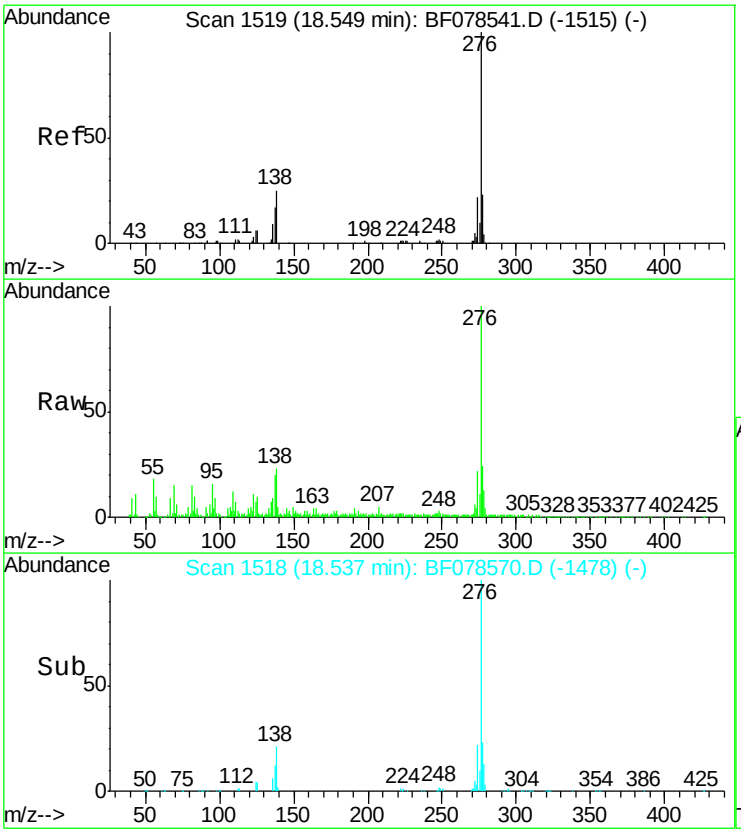
#82
Chrysene
Concen: 37.01 ng
RT: 15.54 min Scan# 1256
Delta R.T. 0.02 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:228 Resp: 203507

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.2	36.4
229	23.4	15.8	23.8

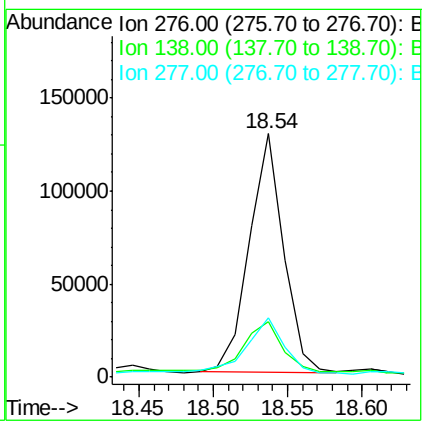


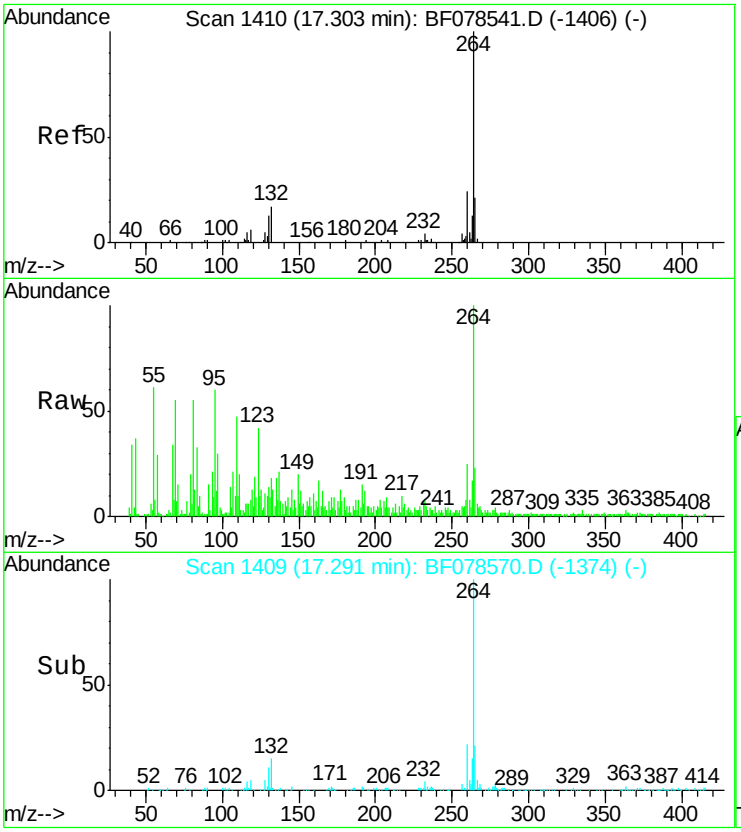


#85
Indeno(1,2,3-cd)pyrene
Concen: 33.43 ng m
RT: 18.54 min Scan# 1518
Delta R.T. 0.16 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion:276 Resp: 208557

Ion	Ratio	Lower	Upper
276	100		
138	4.9	16.9	25.3#
277	4.6	15.8	23.6#



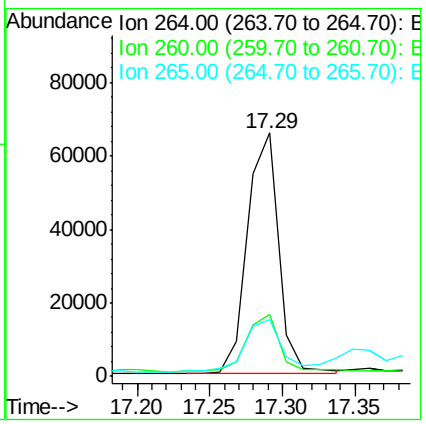


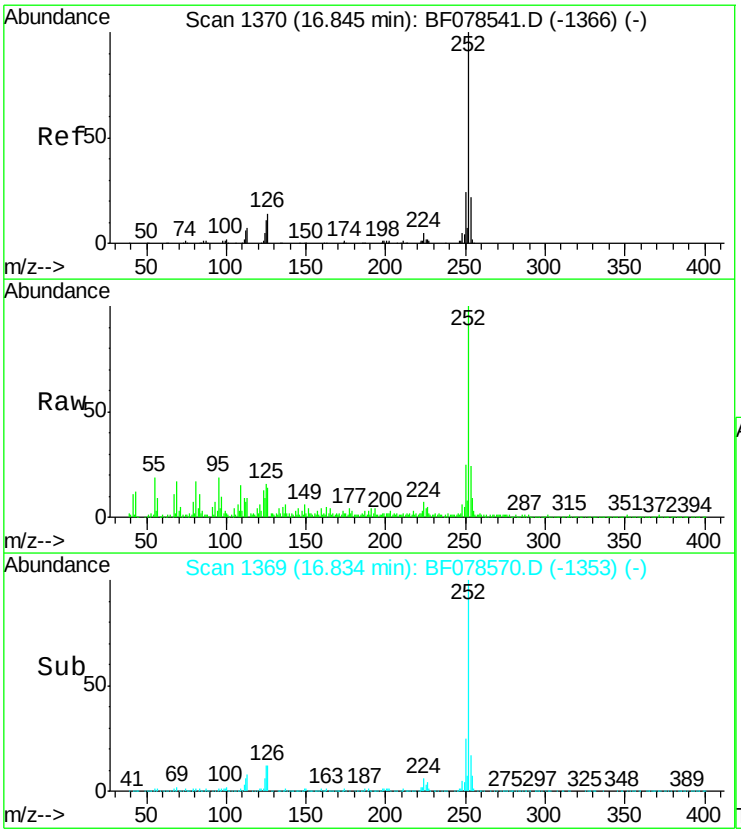
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.29 min Scan# 1409
Delta R.T. 0.10 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:264 Resp: 98813

Ion	Ratio	Lower	Upper
264	100		
260	25.3	18.6	27.8
265	23.4	17.0	25.6

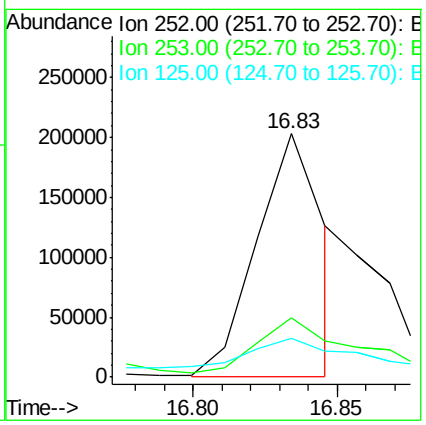


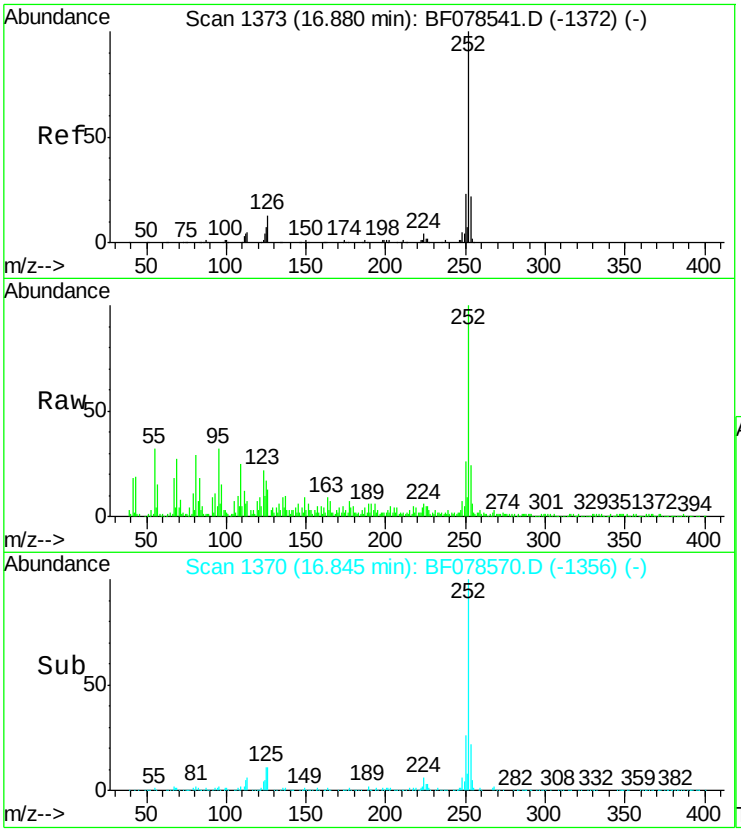


#87
Benzo(b)fluoranthene
Concen: 52.99 ng m
RT: 16.83 min Scan# 1369
Delta R.T. 0.08 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion:252 Resp: 323583

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	15.9	7.0	10.4#



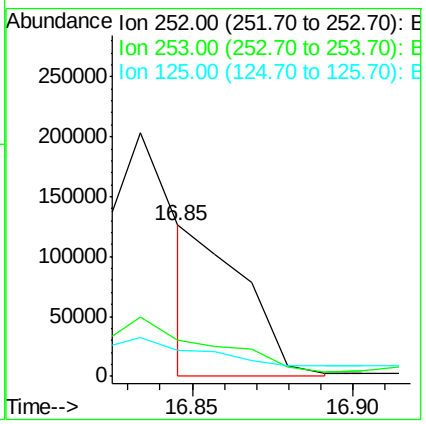


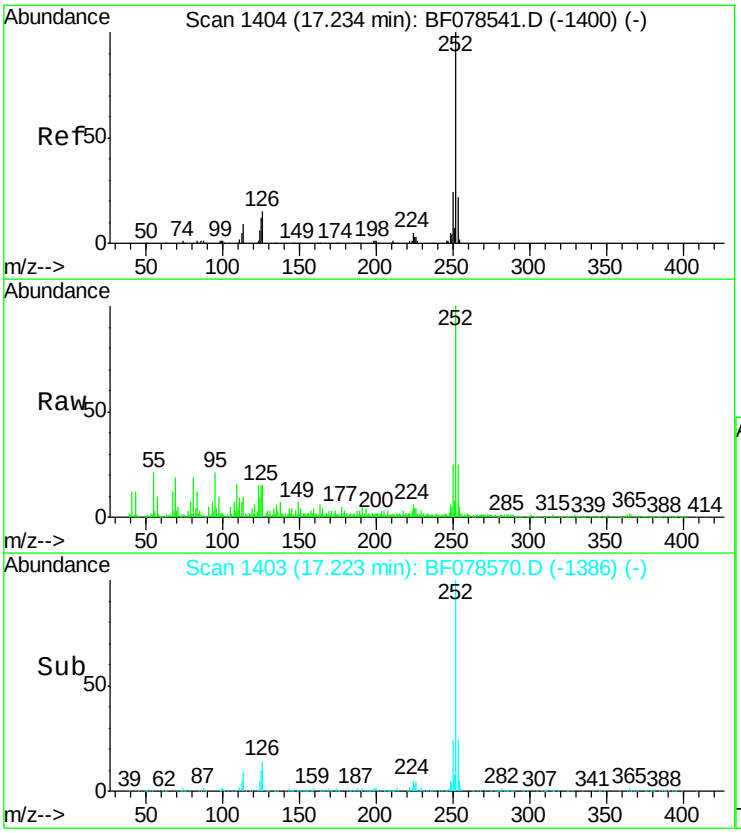
#88
Benzo(k)fluoranthene
Concen: 24.25 ng m
RT: 16.85 min Scan# 1370
Delta R.T. 0.06 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:252 Resp: 131633

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	17.4	11.6	17.4#

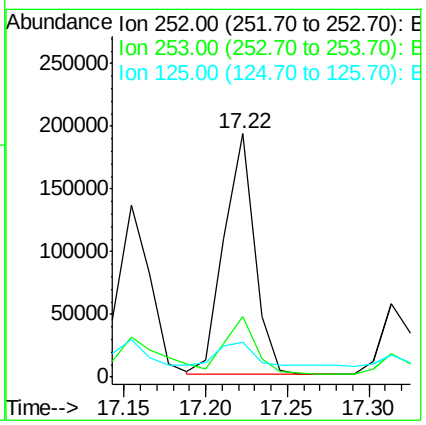


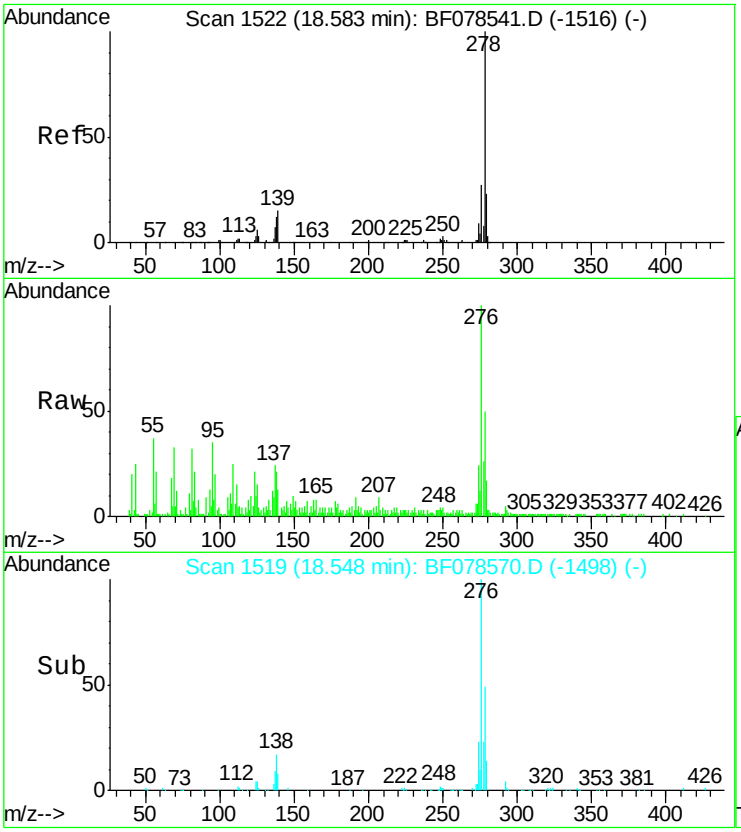


#89
Benzo(a)pyrene
Concen: 46.59 ng
RT: 17.22 min Scan# 1403
Delta R.T. 0.09 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion:252 Resp: 248307

Ion	Ratio	Lower	Upper
252	100		
253	24.9	16.8	25.2
125	14.6	7.4	11.0#



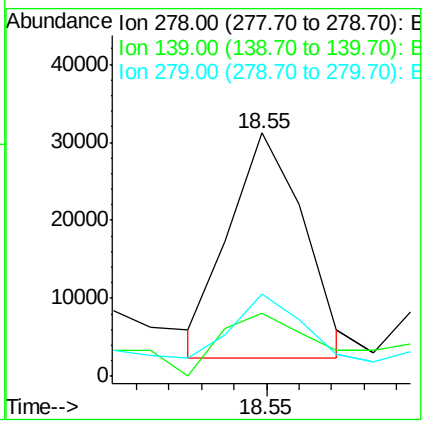


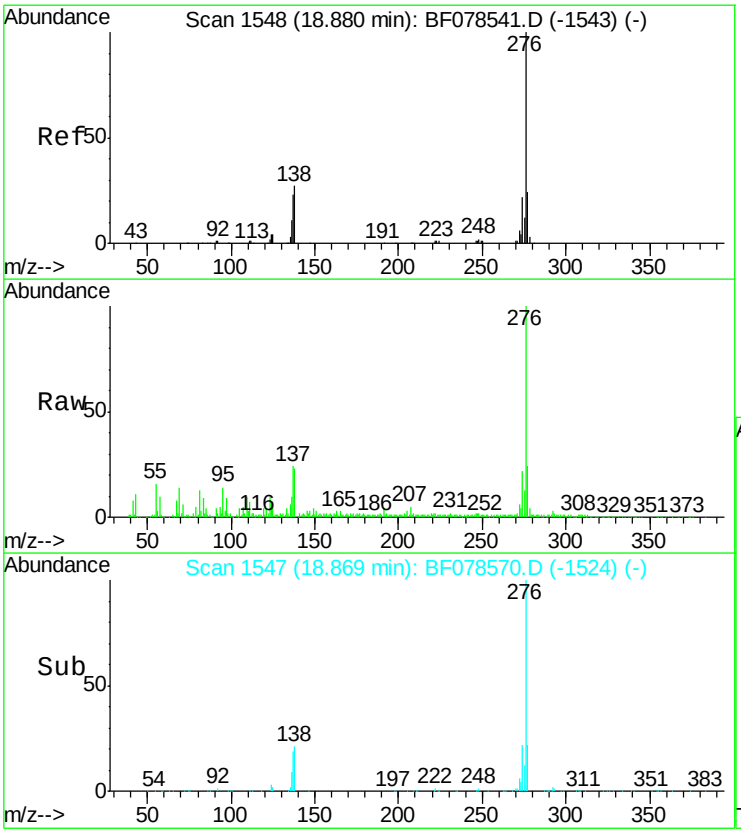
#90
Dibenzo(a,h)anthracene
Concen: 8.63 ng m
RT: 18.55 min Scan# 1519
Delta R.T. 0.14 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Instrument :
BNA_F
ClientSampleId :
HS-SB05A

Tgt Ion:278 Resp: 46044

Ion	Ratio	Lower	Upper
278	100		
139	26.1	13.6	20.4#
279	33.6	19.0	28.6#





#91
Benzo(g,h,i)perylene
Concen: 41.57 ng m
RT: 18.87 min Scan# 1547
Delta R.T. 0.16 min
Lab File: BF078570.D
Acq: 16 Apr 2015 17:25

Tgt Ion:276 Resp: 222412

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	23.2	19.9	29.9