Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041415\
Data File : BF078524.D
Acq On : 15 Apr 2015 3:11
Operator : TP/IZ
Sample : G1850-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FD-1-20150409

Quant Time: Apr 15 05:09:52 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	19888	20.00	ng		0.00
21) Naphthalene-d8	8.39	136	85154	20.00	ng		0.00
38) Acenaphthene-d10	10.54	164	44429	20.00	ng		0.00
63) Phenanthrene-d10	12.37	188	96109	20.00	ng		0.00
75) Chrysene-d12	15.62	240	109832	20.00	ng		-0.03
86) Perylene-d12	17.27	264	119611	20.00	ng		-0.22
System Monitoring Compounds							
5) 2-Fluorophenol	5.05	112	69039	57.24	ng		0.00
7) Phenol-d6	6.41	99	94204	62.32	ng		0.00
23) Nitrobenzene-d5	7.51	82	52812	37.59	ng		0.00
41) 2,4,6-Tribromophenol	11.52	330	26694	72.44	ng		0.00
44) 2-Fluorobiphenyl	9.74	172	120261	38.69	ng		0.00
78) Terphenyl-d14	14.35	244	149683	30.80	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.41	128	122504	27.64	ng		99
37) 2-Methylnaphthalene	9.27	142	24221	8.05	ng		99
49) Dimethylphthalate	10.25	163	10469	3.14	ng	#	96
51) Acenaphthene	10.58	154	49658	19.10	ng		98
54) Dibenzofuran	10.80	168	16786	4.23	ng		94
57) Fluorene	11.21	166	21977	6.83	ng		98
70) Phenanthrene	12.39	178	95925	17.25	ng		99
71) Anthracene	12.46	178	44690	8.16	ng		98
72) Carbazole	12.67	167	13174	2.57	ng		95
74) Fluoranthene	13.85	202	130930	22.33	ng		97
77) Pyrene	14.13	202	180019	26.11	ng		96
80) Benzo(a)anthracene	15.61	228	71622	10.96	ng	#	89
82) Chrysene	15.66	228	42132m	6.86	ng		
85) Indeno(1,2,3-cd)pyrene	18.46	276	21906m	3.14	ng		
87) Benzo(b)fluoranthene	16.86	252	47852m	6.47	ng		
88) Benzo(k)fluoranthene	16.87	252	16386m	2.49	ng		
89) Benzo(a)pyrene	17.20	252	53521	8.30	ng	#	88
91) Benzo(g,h,i)perylene	18.80	276	28153m	4.35	ng		

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

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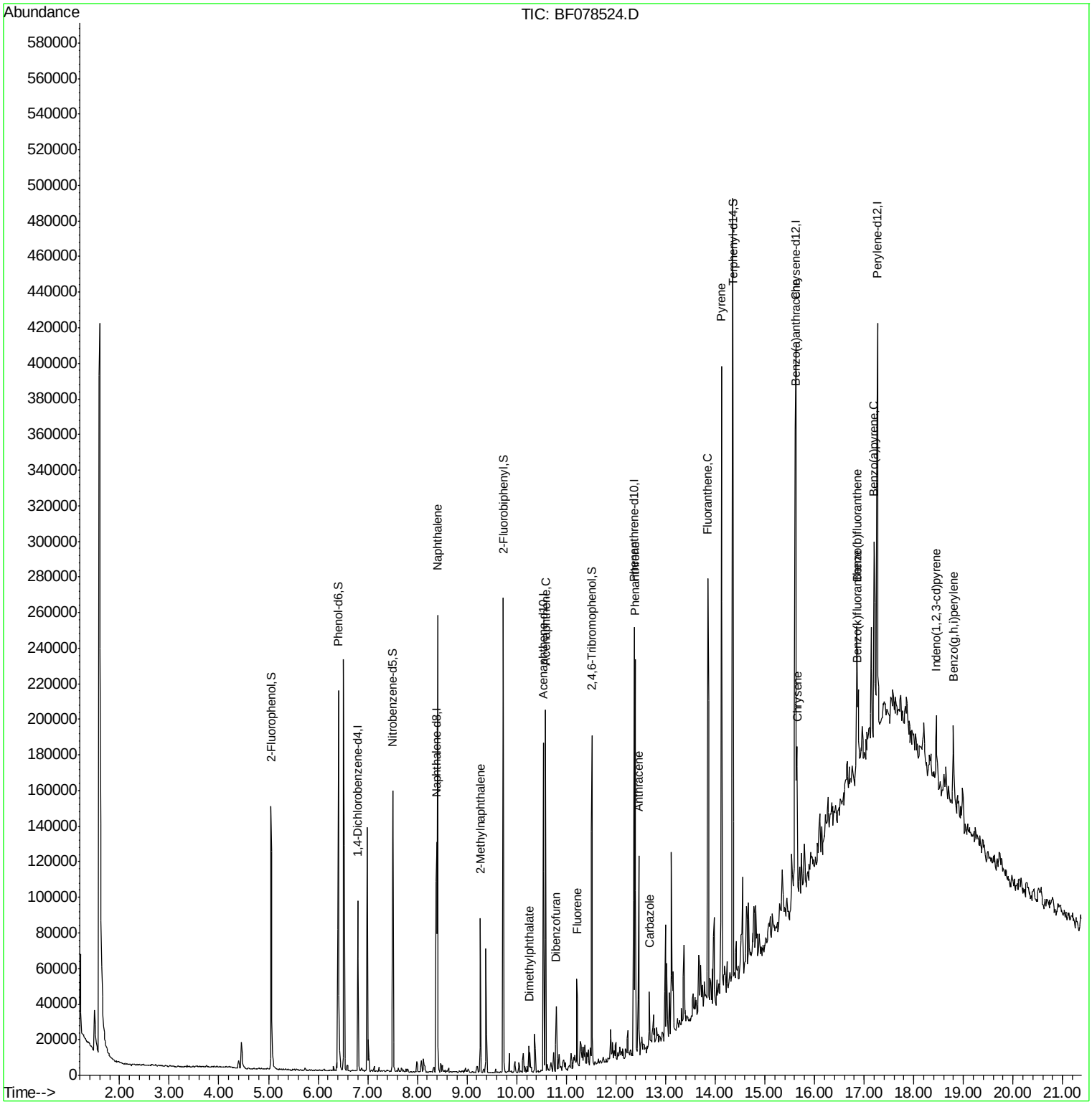
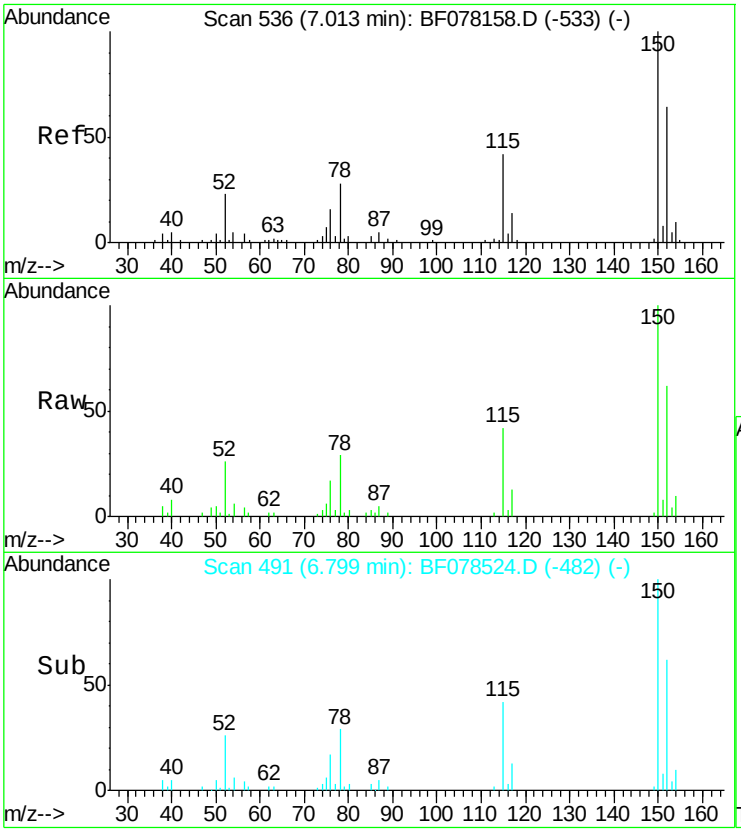


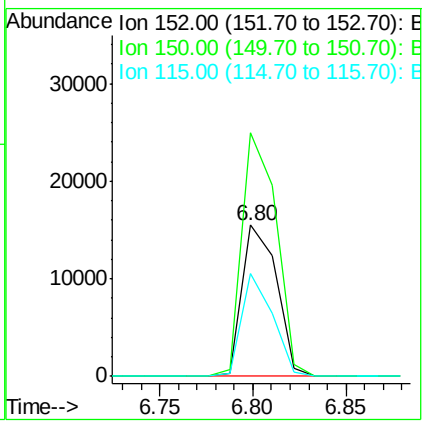


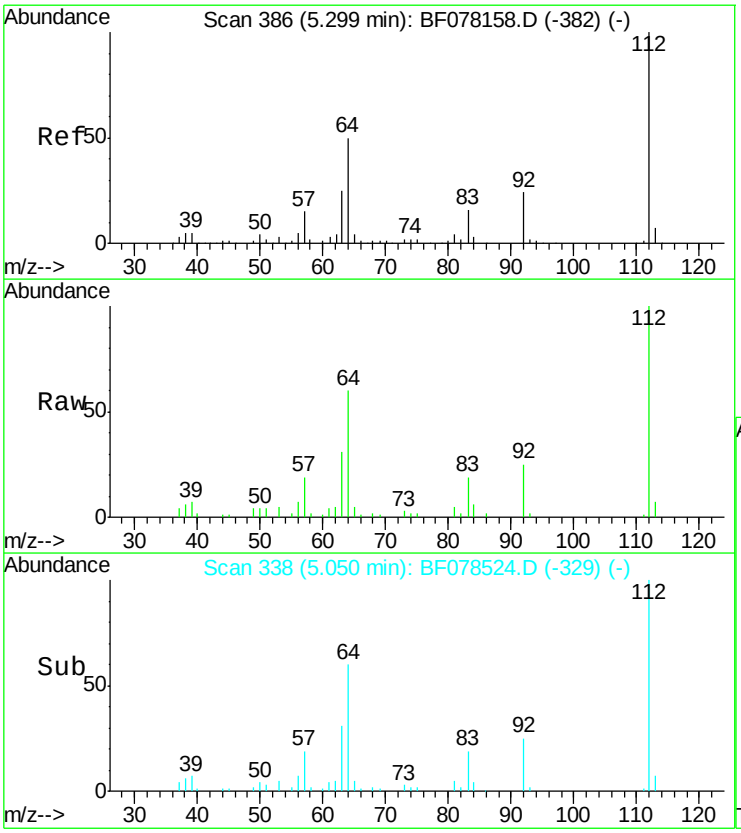
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 491
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion:152 Resp: 19888

Ion	Ratio	Lower	Upper
152	100		
150	161.3	125.9	188.9
115	67.9	52.7	79.1

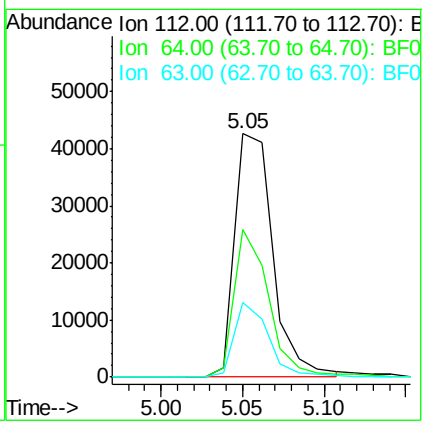


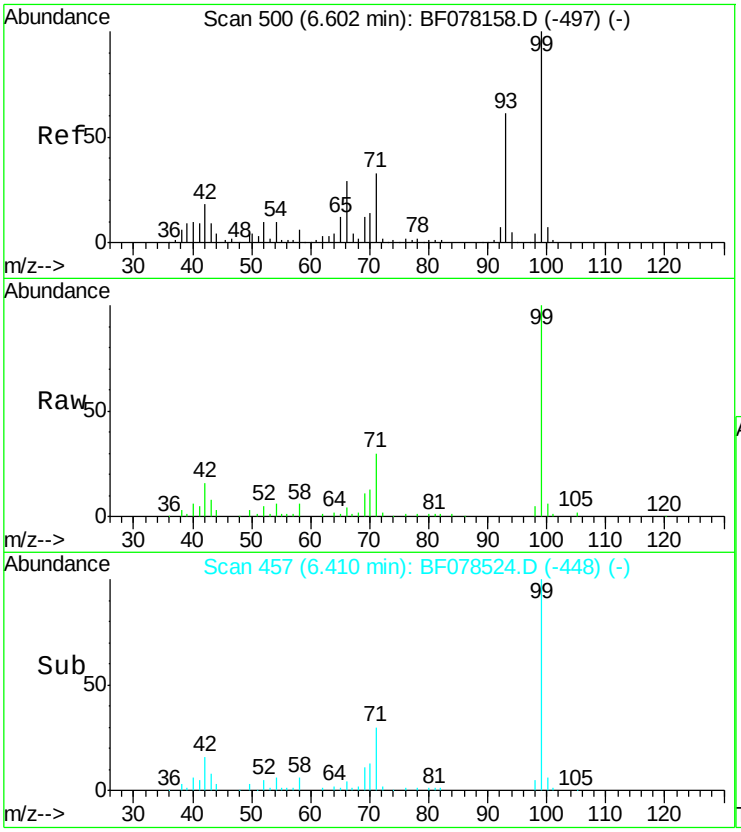


#5
2-Fluorophenol
Concen: 57.24 ng
RT: 5.05 min Scan# 338
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:112 Resp: 69039

Ion	Ratio	Lower	Upper
112	100		
64	60.5	39.9	59.9#
63	30.9	20.2	30.4#



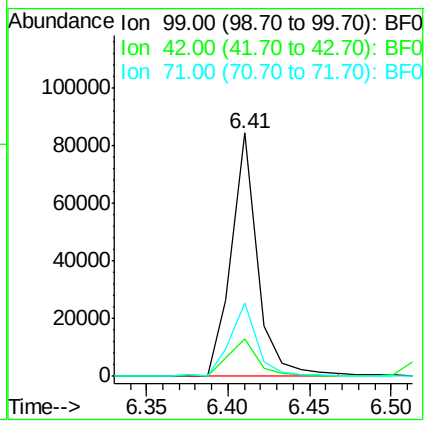


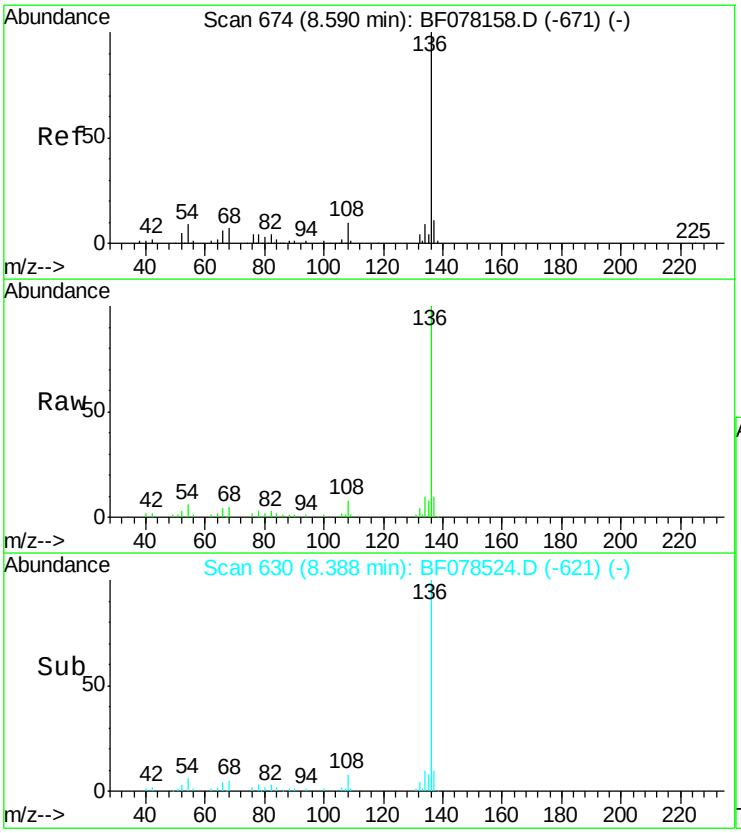
#7
Phenol-d6
Concen: 62.32 ng
RT: 6.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion: 99 Resp: 94204

Ion	Ratio	Lower	Upper
99	100		
42	15.6	14.8	22.2
71	30.2	26.6	39.8

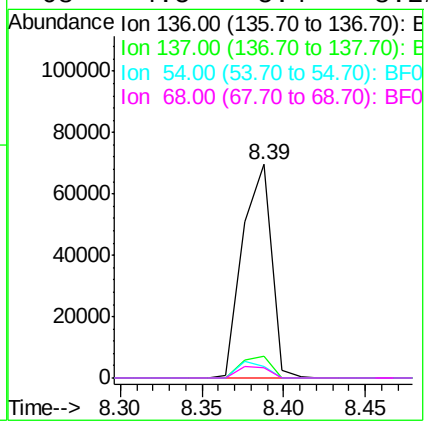


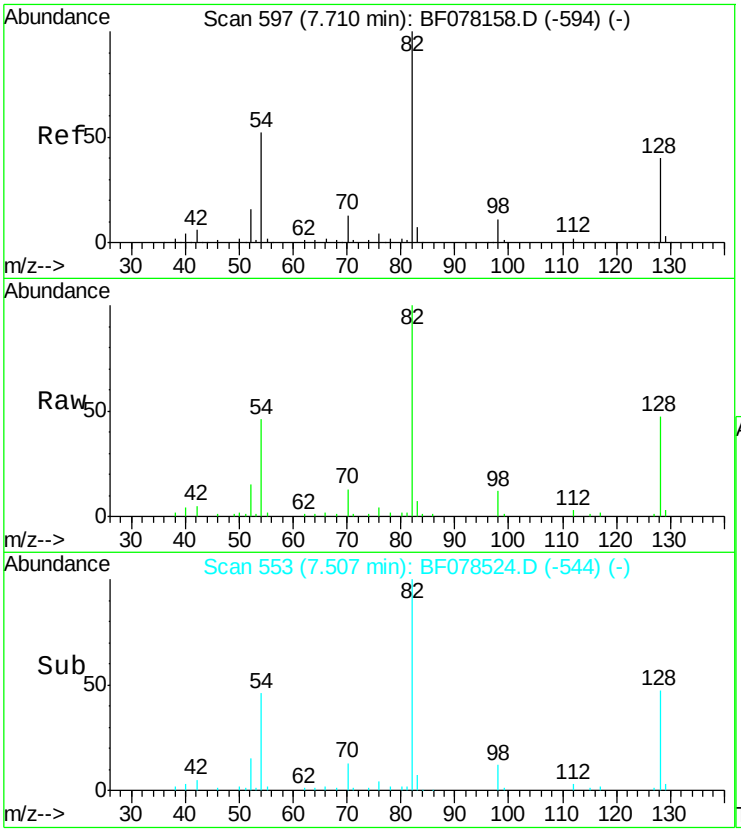


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.39 min Scan# 630
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:136 Resp: 85154

Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.0	13.4
54	5.5	7.0	10.6#
68	4.5	5.4	8.2#



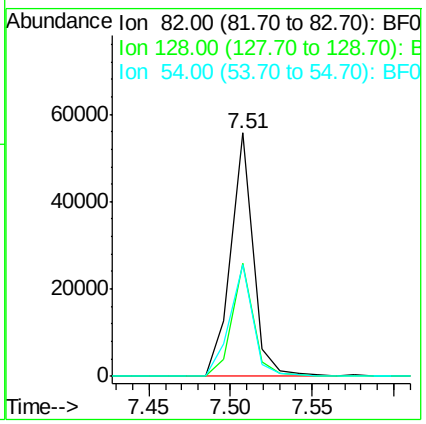


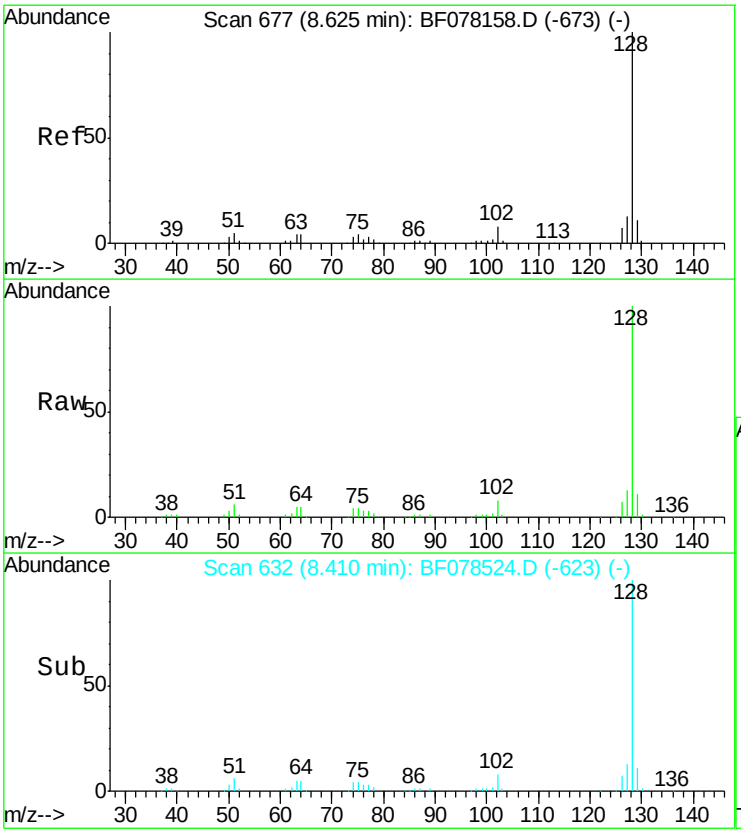
#23
Nitrobenzene-d5
Concen: 37.59 ng
RT: 7.51 min Scan# 553
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion: 82 Resp: 52812

Ion	Ratio	Lower	Upper
82	100		
128	46.6	31.8	47.8
54	46.1	41.5	62.3

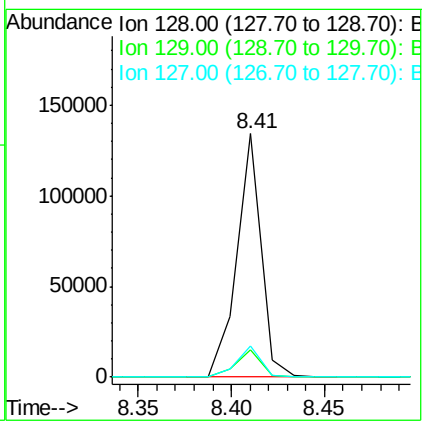


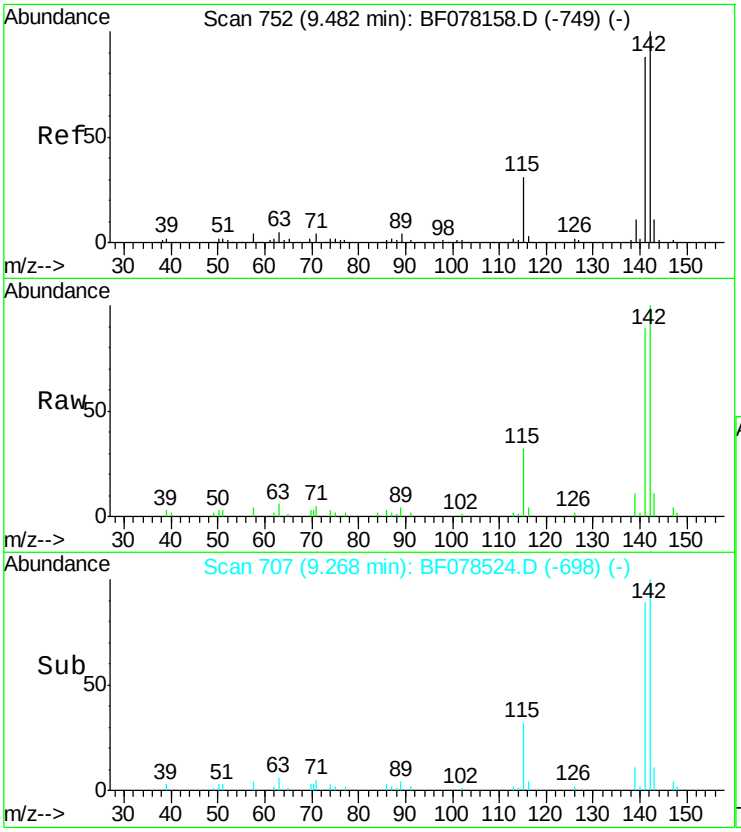


#31
Naphthalene
Concen: 27.64 ng
RT: 8.41 min Scan# 632
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:128 Resp: 122504

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



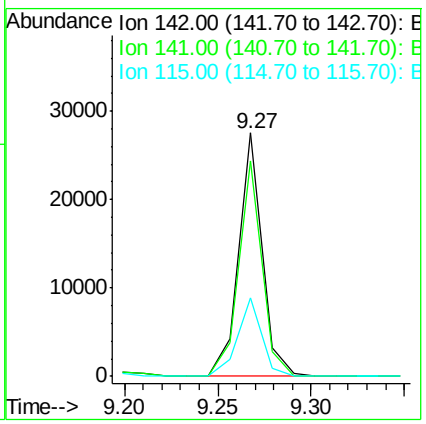


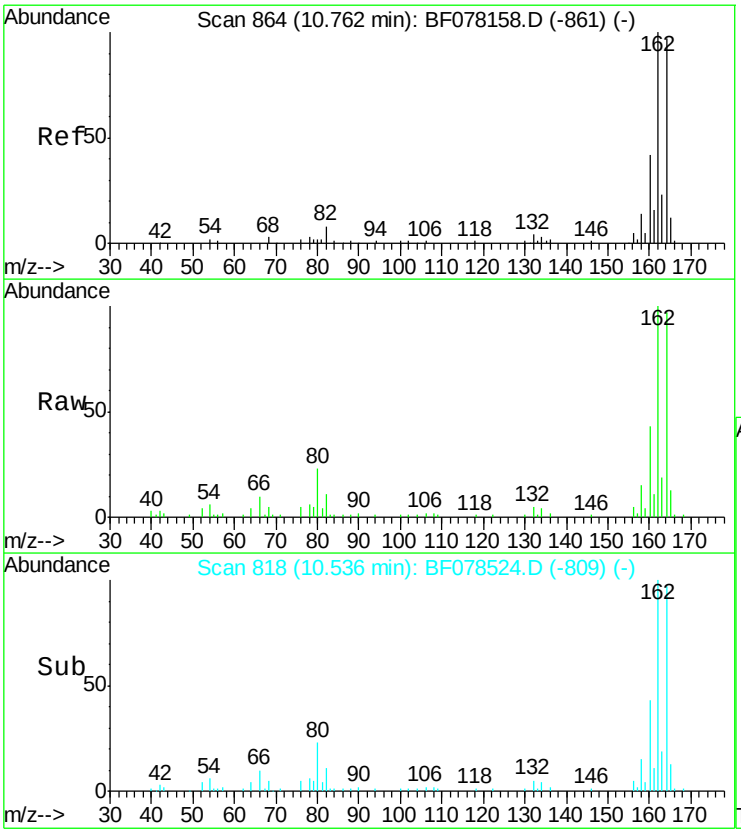
#37
2-Methylnaphthalene
Concen: 8.05 ng
RT: 9.27 min Scan# 707
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion:142 Resp: 24221

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.3	105.5
115	32.3	24.6	37.0

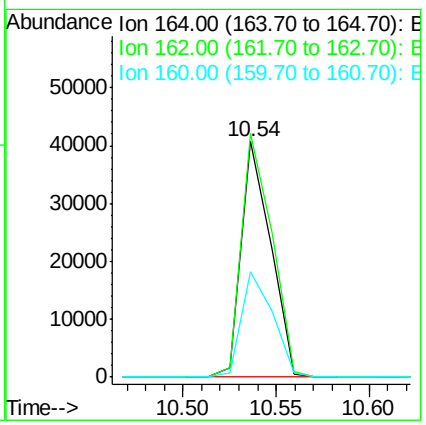


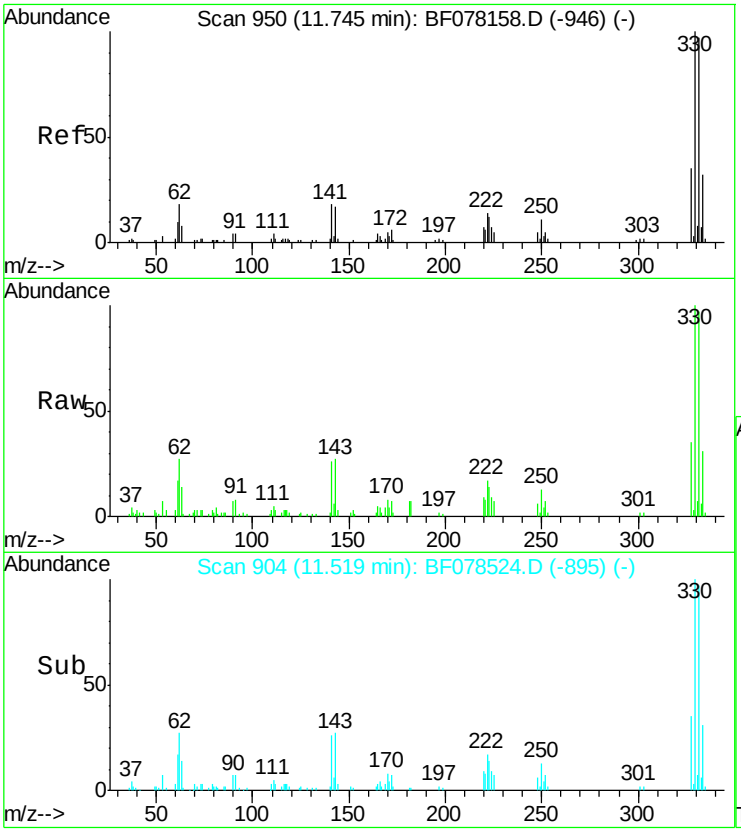


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.54 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:164 Resp: 44429

Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.2	123.2
160	44.7	34.7	52.1



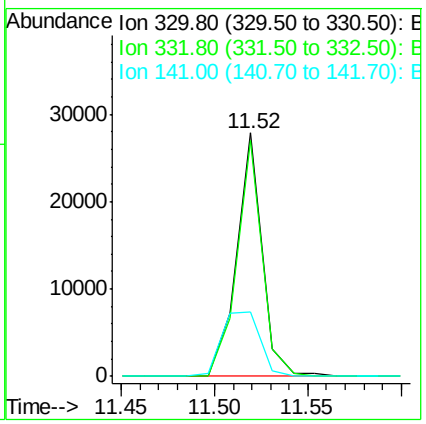


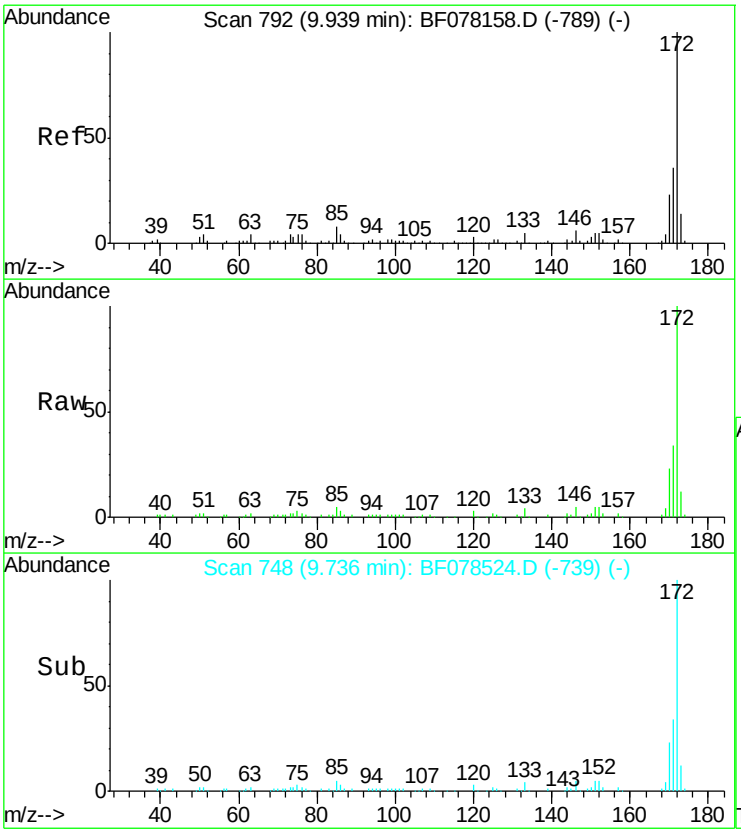
#41
2,4,6-Tribromophenol
Concen: 72.44 ng
RT: 11.52 min Scan# 904
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion:330 Resp: 26694

Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.6	117.8
141	39.9	31.2	46.8

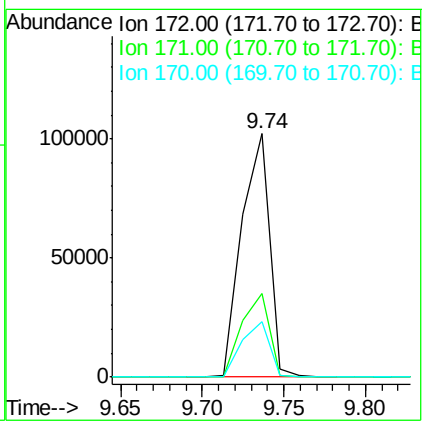


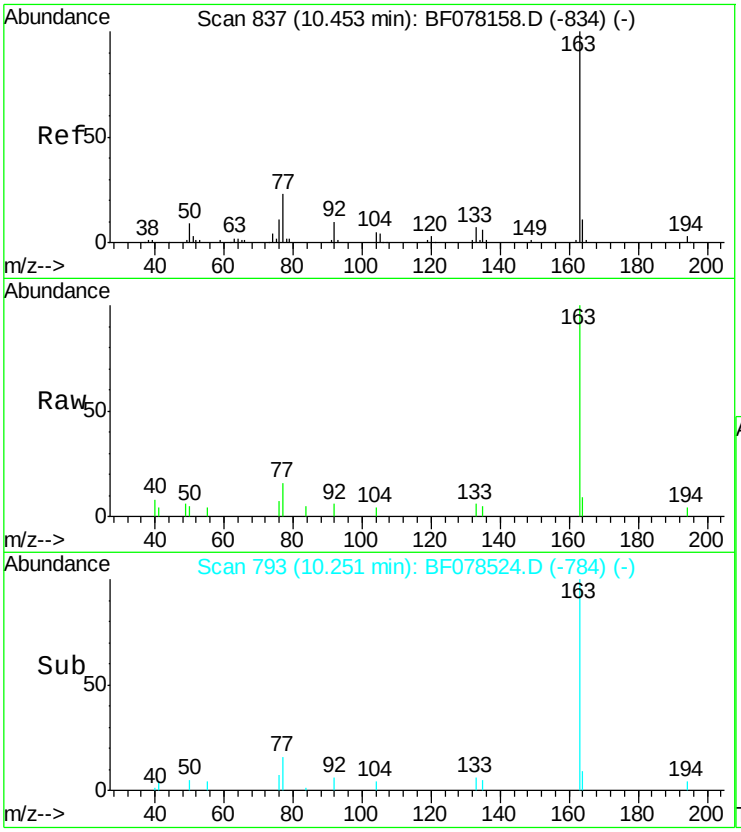


#44
2-Fluorobiphenyl
Concen: 38.69 ng
RT: 9.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:172 Resp: 120261

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.6	42.8
170	22.6	18.5	27.7



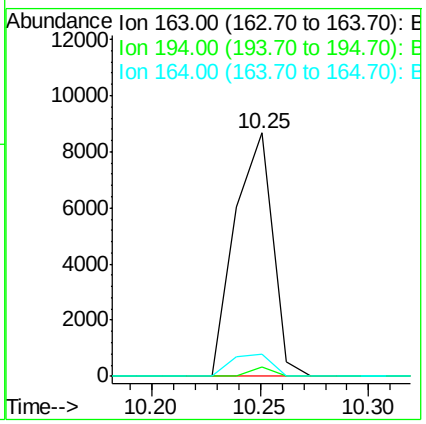


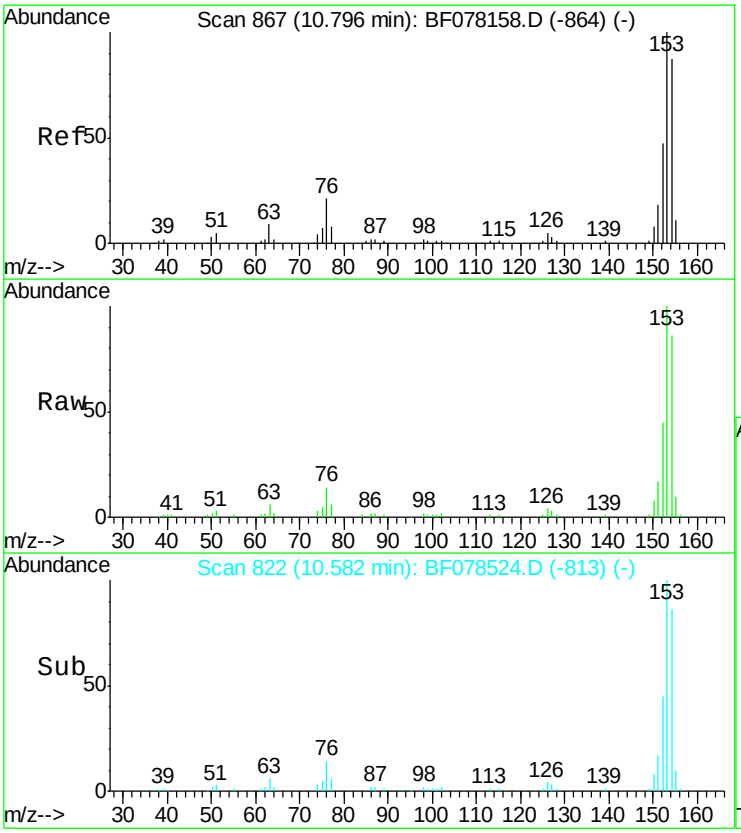
#49
Dimethylphthalate
Concen: 3.14 ng
RT: 10.25 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion:163 Resp: 10469

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.3	3.5#
164	9.1	8.6	13.0

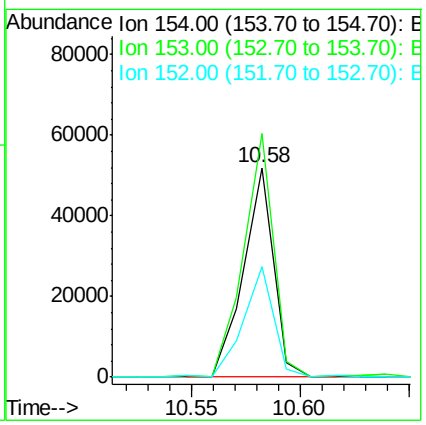


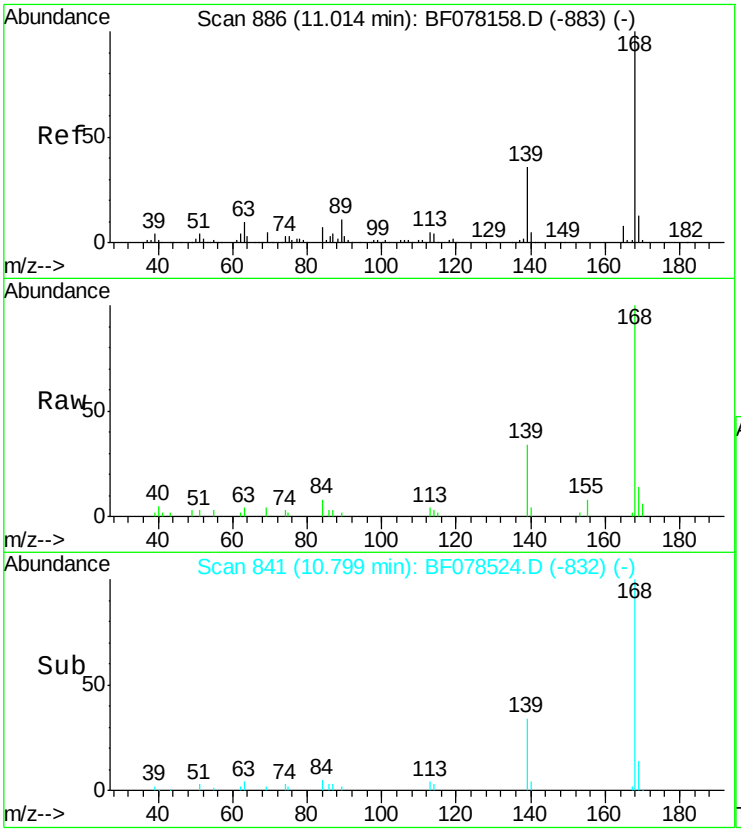


#51
Acenaphthene
Concen: 19.10 ng
RT: 10.58 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:154 Resp: 49658

Ion	Ratio	Lower	Upper
154	100		
153	116.4	91.4	137.2
152	52.5	43.0	64.6



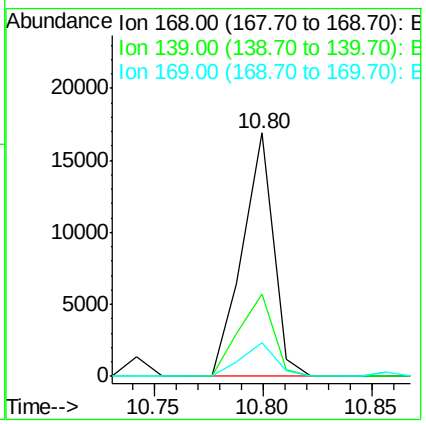


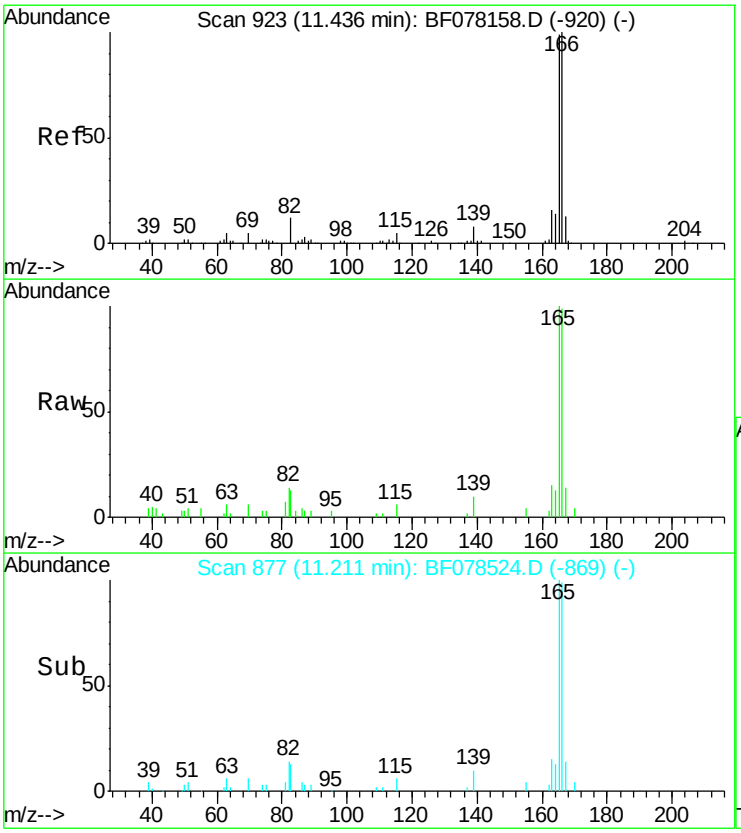
#54
Dibenzofuran
Concen: 4.23 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion:168 Resp: 16786

Ion	Ratio	Lower	Upper
168	100		
139	33.6	31.0	46.4
169	13.6	10.7	16.1

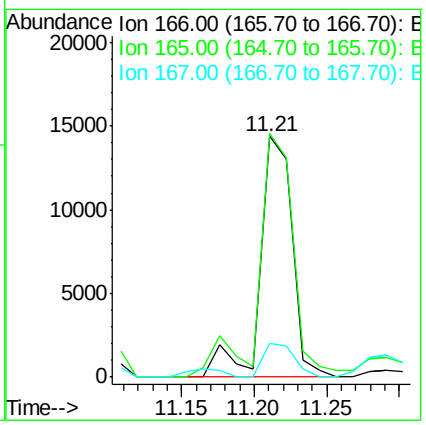


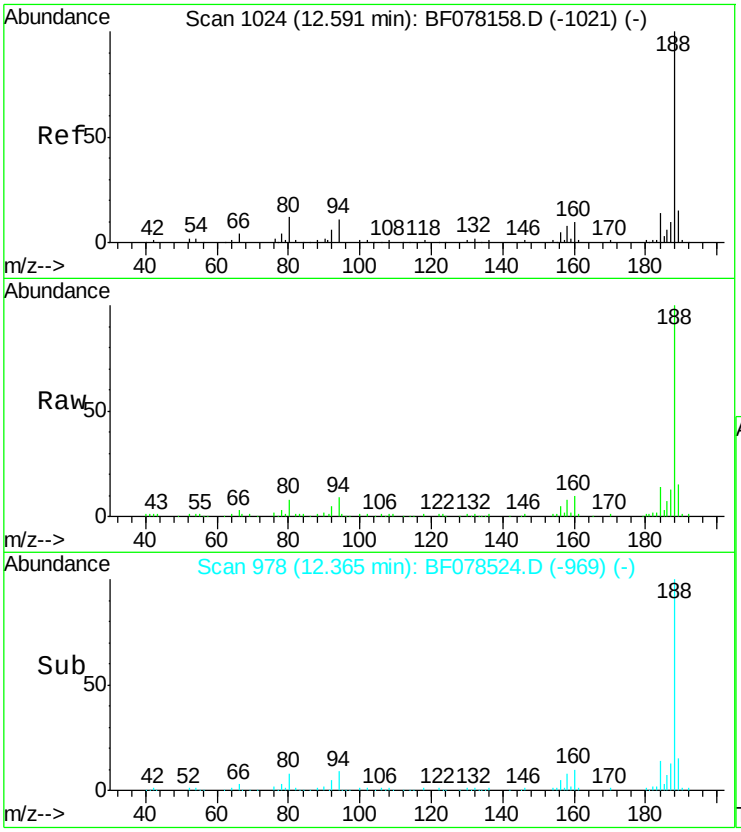


#57
Fluorene
Concen: 6.83 ng
RT: 11.21 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:166 Resp: 21977

Ion	Ratio	Lower	Upper
166	100		
165	101.2	78.9	118.3
167	13.8	10.7	16.1



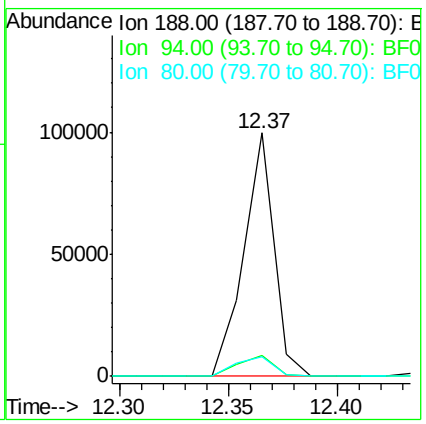


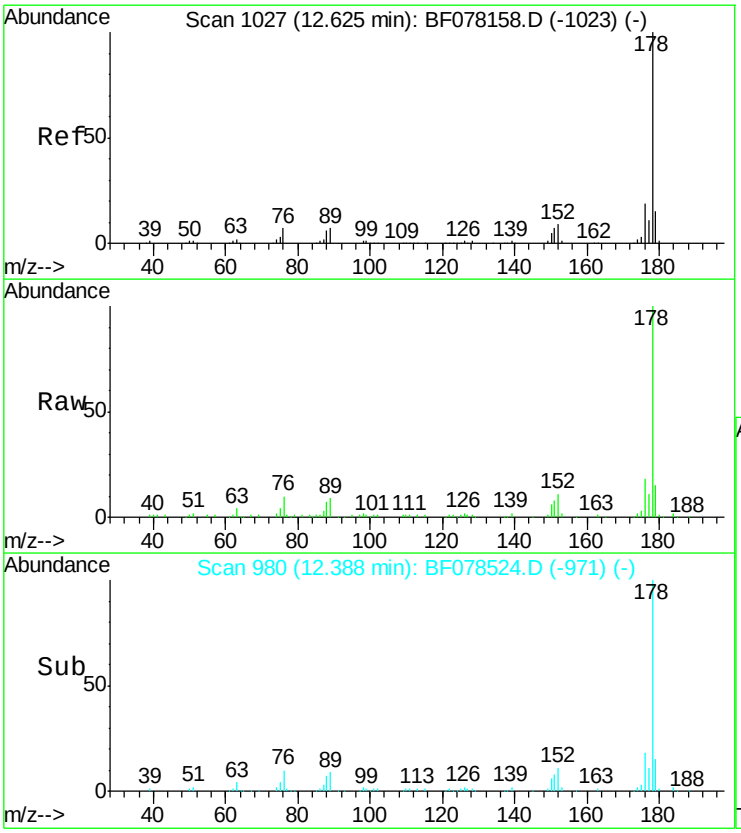
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.37 min Scan# 978
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion:188 Resp: 96109

Ion	Ratio	Lower	Upper
188	100		
94	8.7	9.0	13.4#
80	8.2	9.5	14.3#

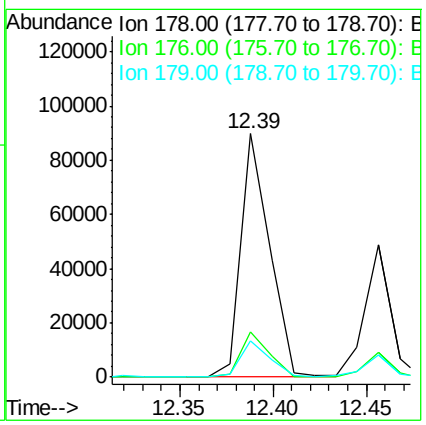


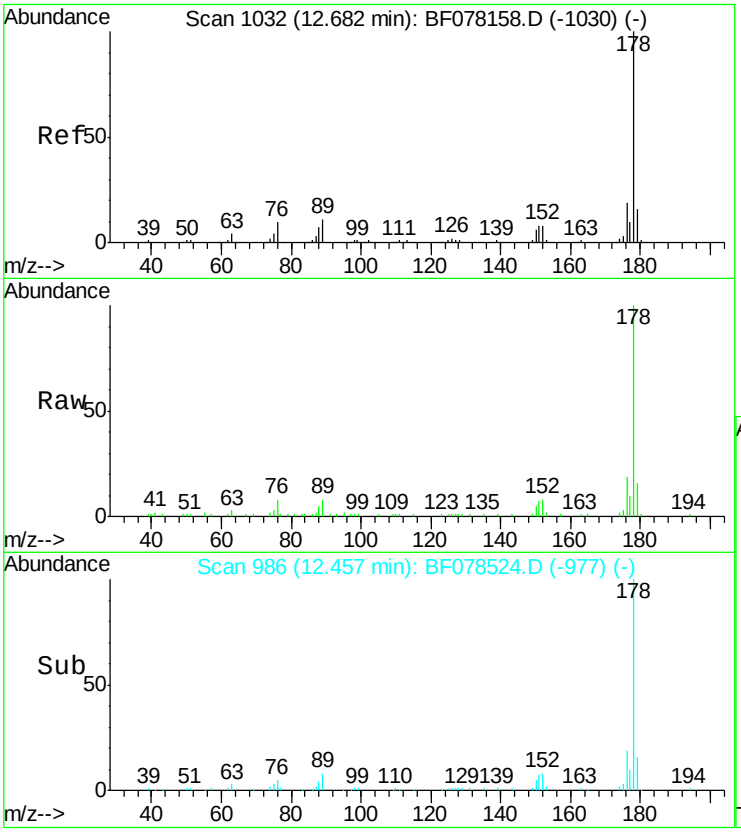


#70
Phenanthrene
Concen: 17.25 ng
RT: 12.39 min Scan# 980
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:178 Resp: 95925

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	15.0	12.2	18.2



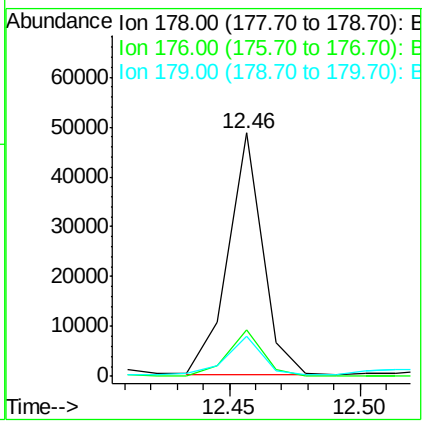


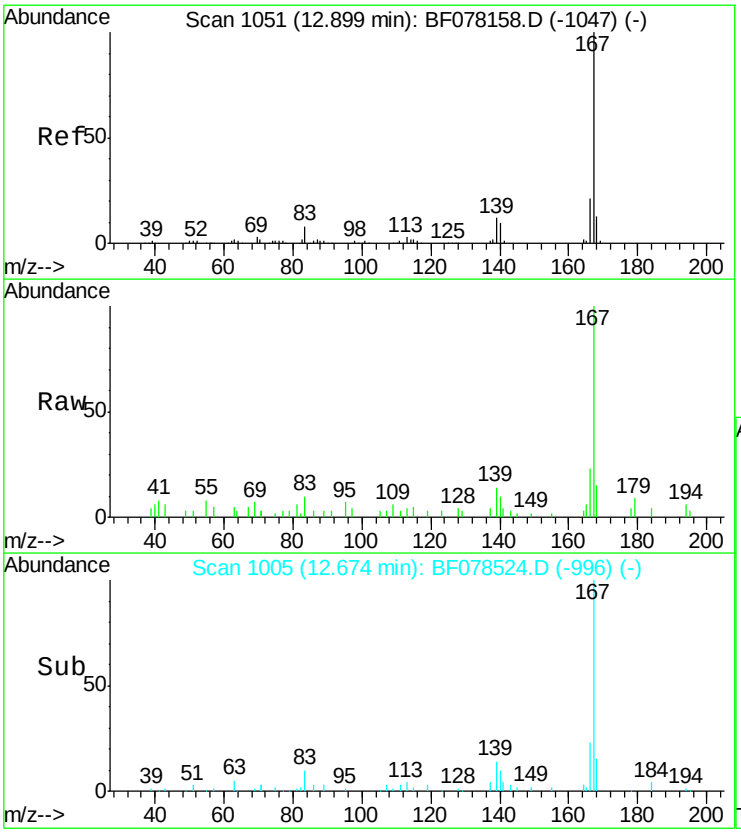
#71
Anthracene
Concen: 8.16 ng
RT: 12.46 min Scan# 986
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion:178 Resp: 44690

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.8	22.2
179	16.4	12.4	18.6

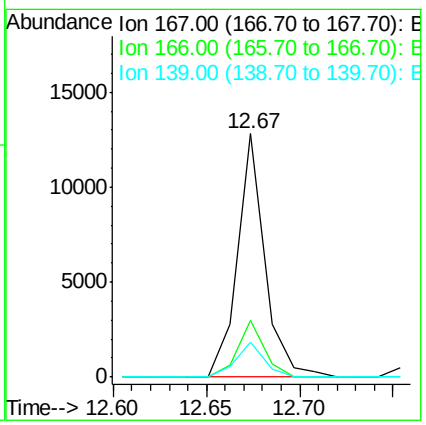


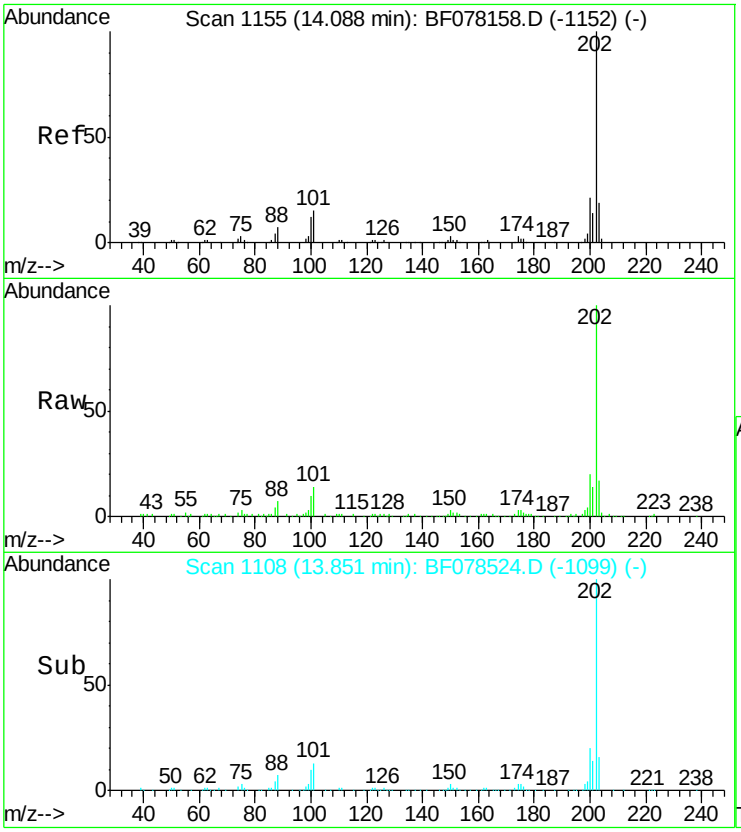


#72
Carbazole
Concen: 2.57 ng
RT: 12.67 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:167 Resp: 13174

Ion	Ratio	Lower	Upper
167	100		
166	23.2	16.8	25.2
139	14.4	10.0	15.0



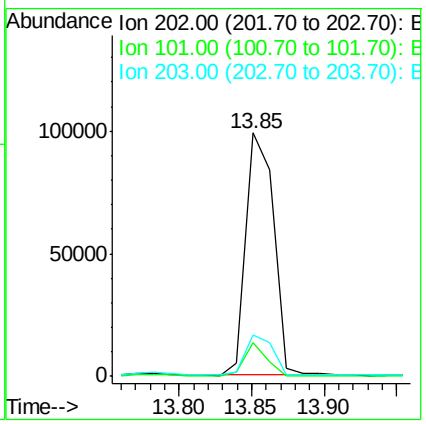


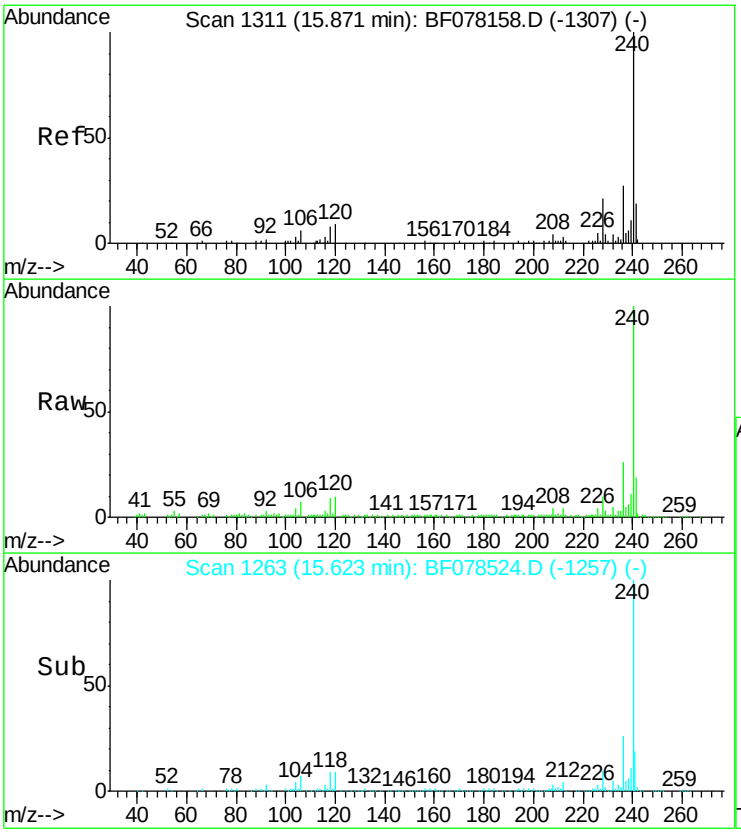
#74
Fluoranthene
Concen: 22.33 ng
RT: 13.85 min Scan# 1108
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion:202 Resp: 130930

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	35.2
203	17.2	0.0	38.5

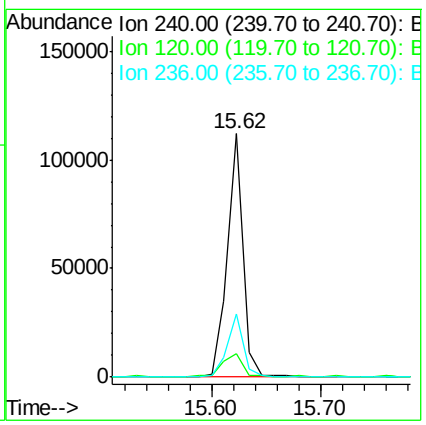


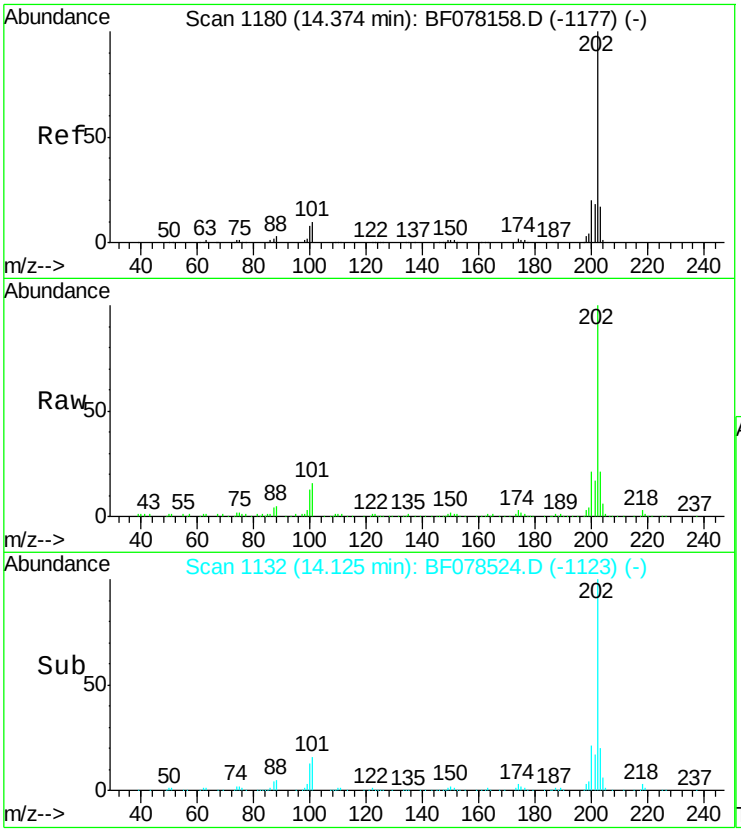


#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1263
Delta R.T. -0.03 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:240 Resp: 109832

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.1	10.7
236	25.8	21.4	32.2



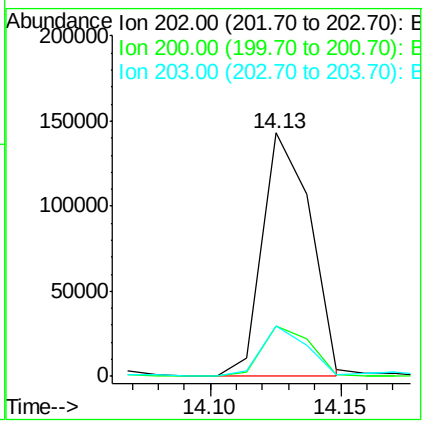


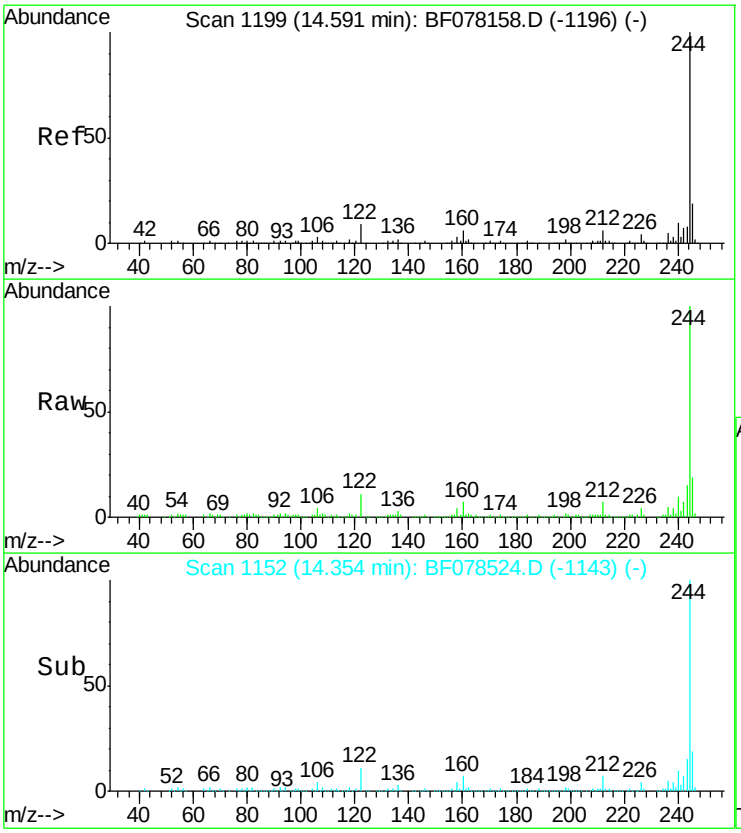
#77
Pyrene
Concen: 26.11 ng
RT: 14.13 min Scan# 1132
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion:202 Resp: 180019

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	20.5	13.8	20.6

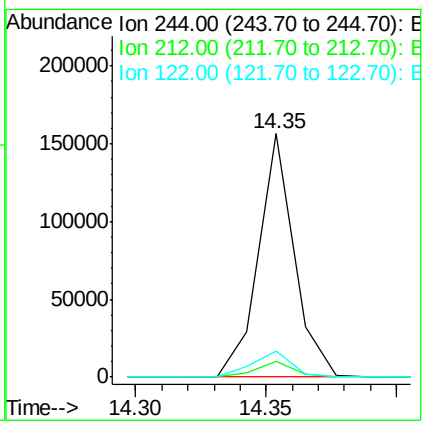


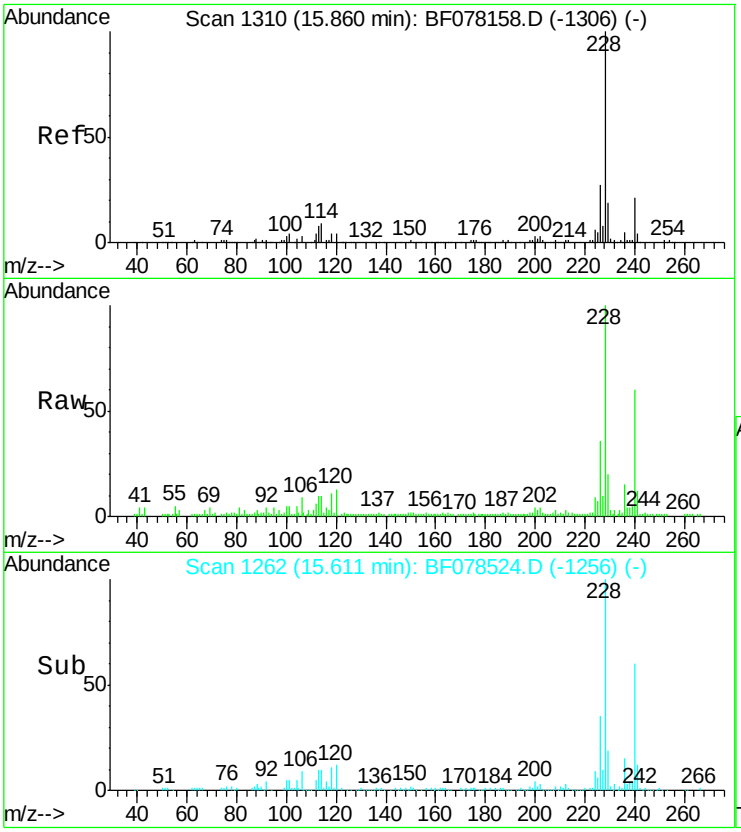


#78
Terphenyl-d14
Concen: 30.80 ng
RT: 14.35 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:244 Resp: 149683

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.0	7.4
122	10.8	7.1	10.7#



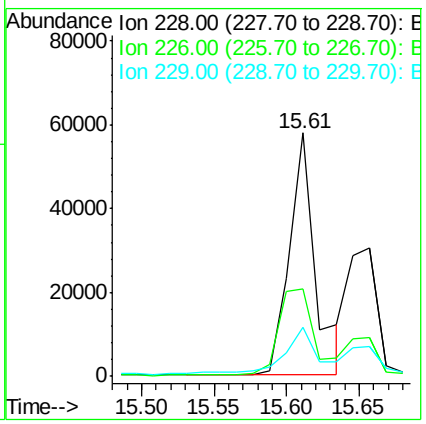


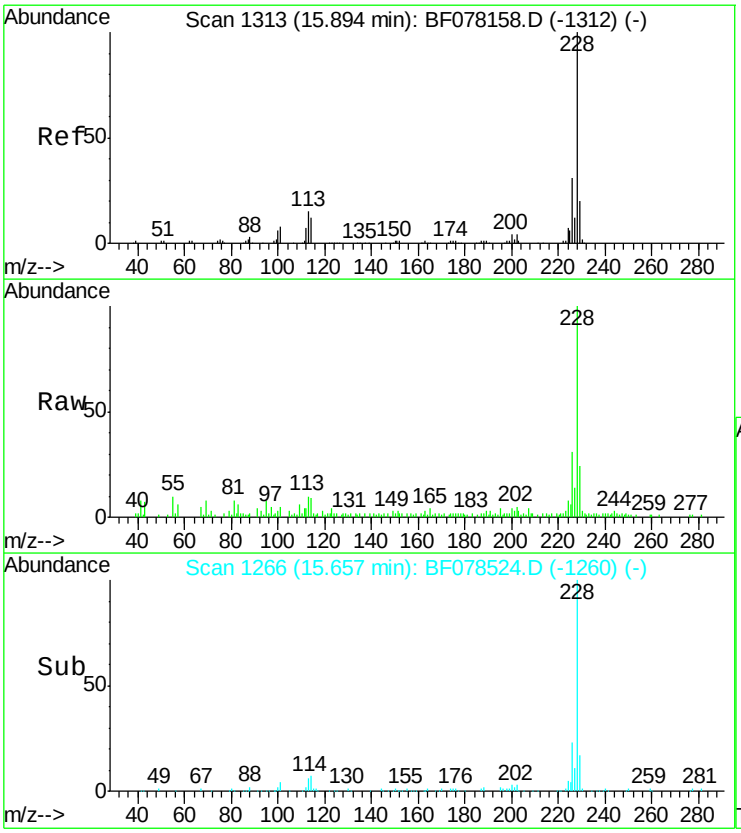
#80
Benzo(a)anthracene
Concen: 10.96 ng
RT: 15.61 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion:228 Resp: 71622

Ion	Ratio	Lower	Upper
228	100		
226	36.0	21.3	31.9#
229	20.3	15.4	23.2

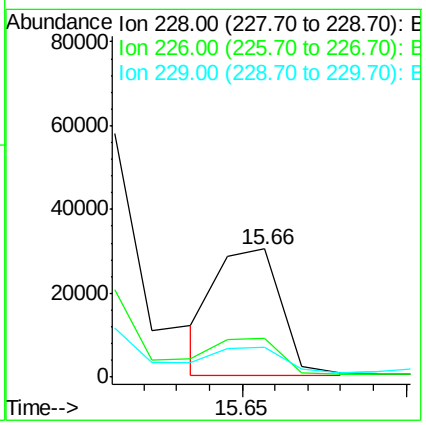


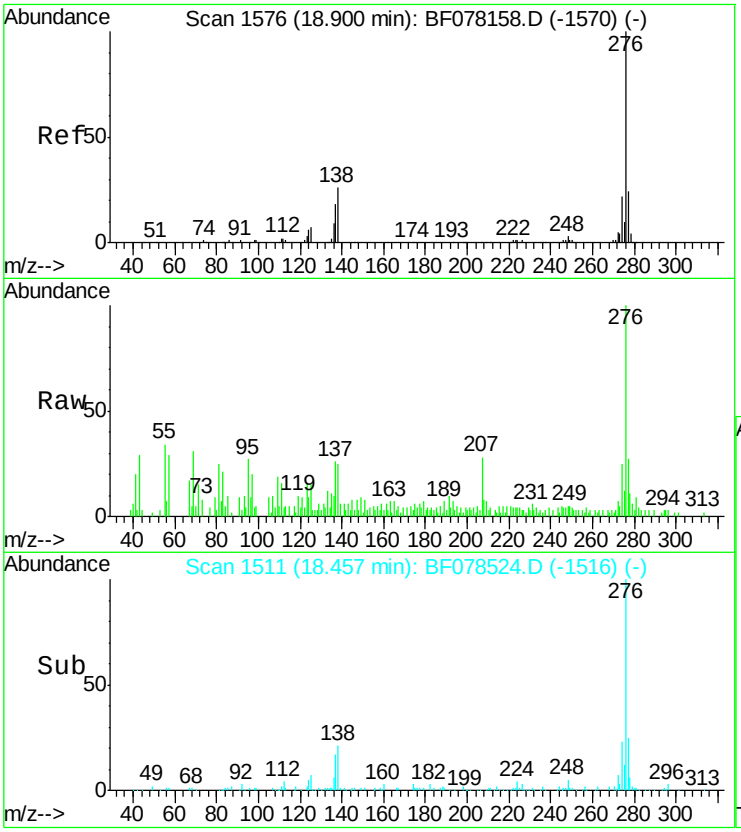


#82
Chrysene
Concen: 6.86 ng m
RT: 15.66 min Scan# 1266
Delta R.T. -0.03 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:228 Resp: 42132

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.4
229	23.8	15.8	23.8#



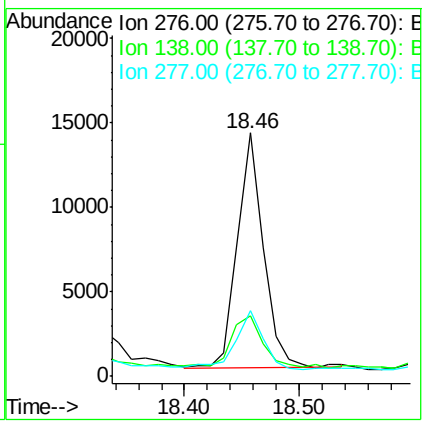


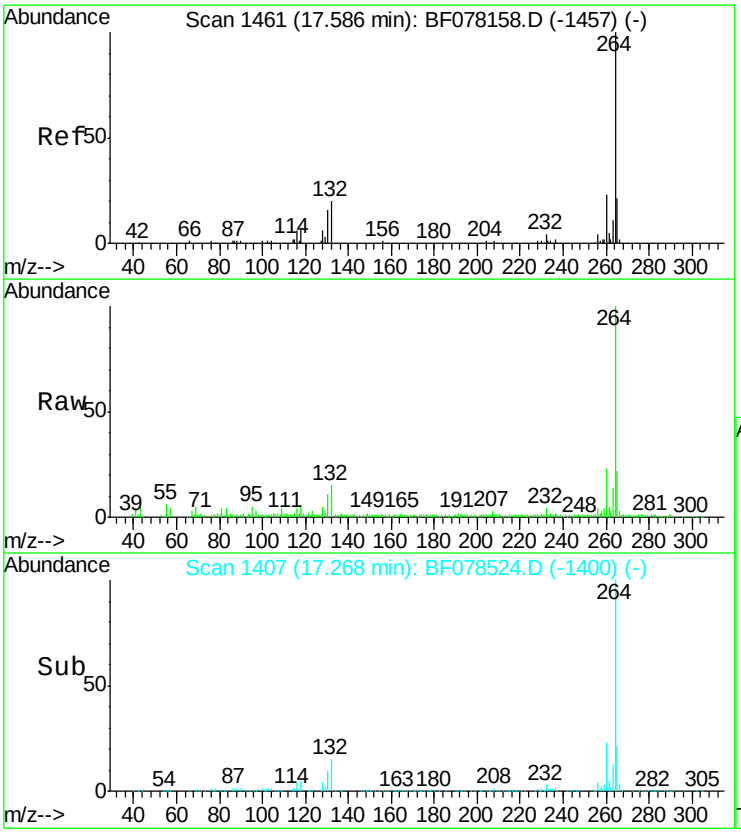
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.14 ng m
RT: 18.46 min Scan# 1511
Delta R.T. -0.35 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion:276 Resp: 21906

Ion	Ratio	Lower	Upper
276	100		
138	30.0	16.9	25.3#
277	31.8	15.8	23.6#

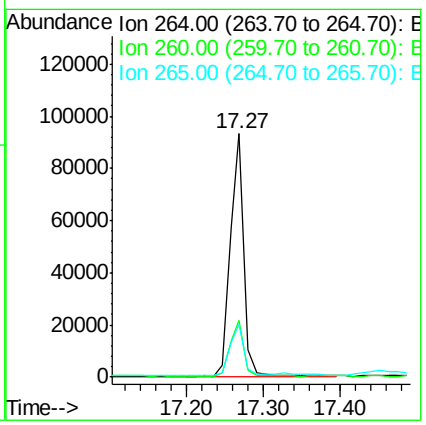


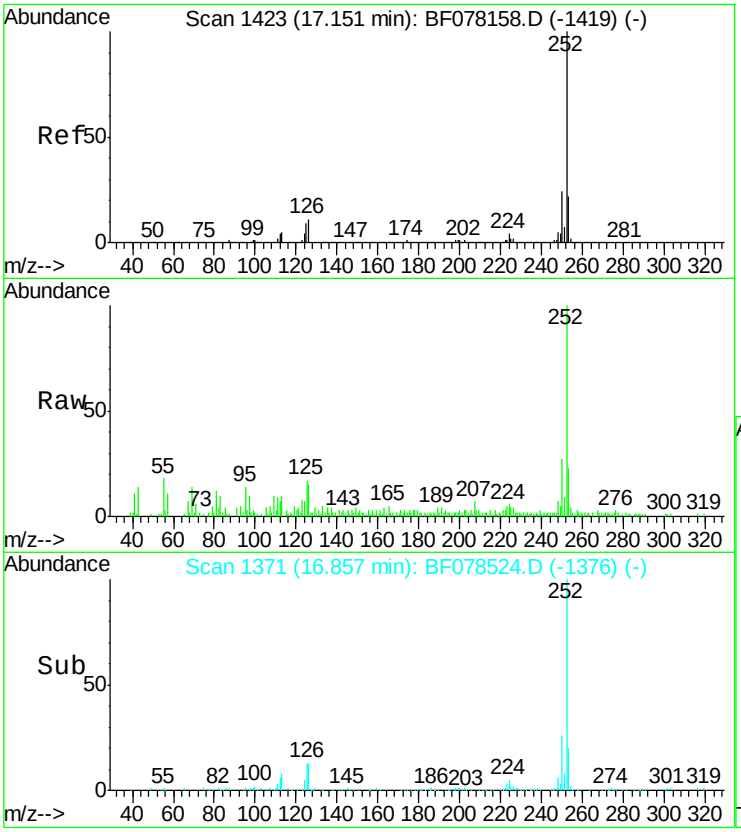


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.27 min Scan# 1407
Delta R.T. -0.22 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:264 Resp: 119611

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.7	17.0	25.6



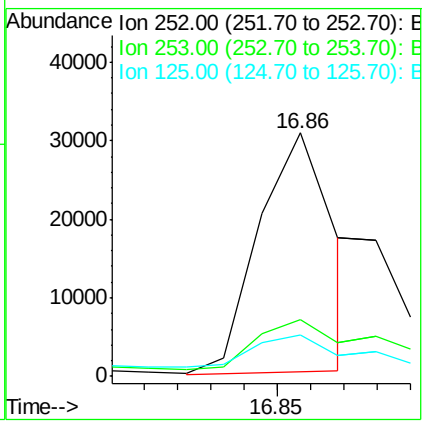


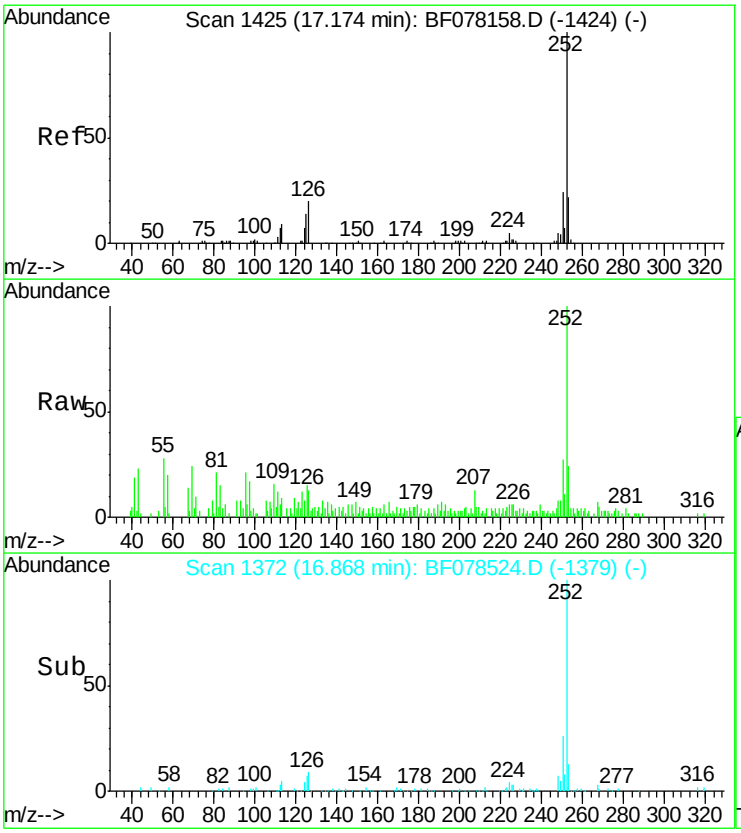
#87
Benzo(b)fluoranthene
Concen: 6.47 ng m
RT: 16.86 min Scan# 1371
Delta R.T. -0.16 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion:252 Resp: 47852

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	16.8	7.0	10.4#

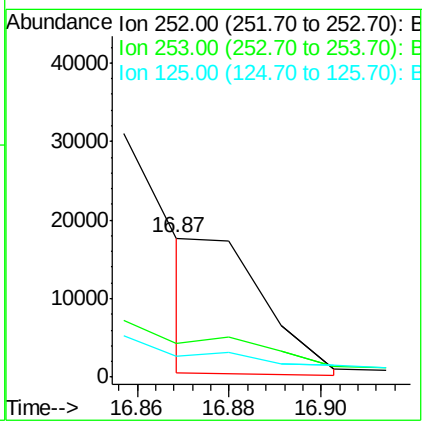


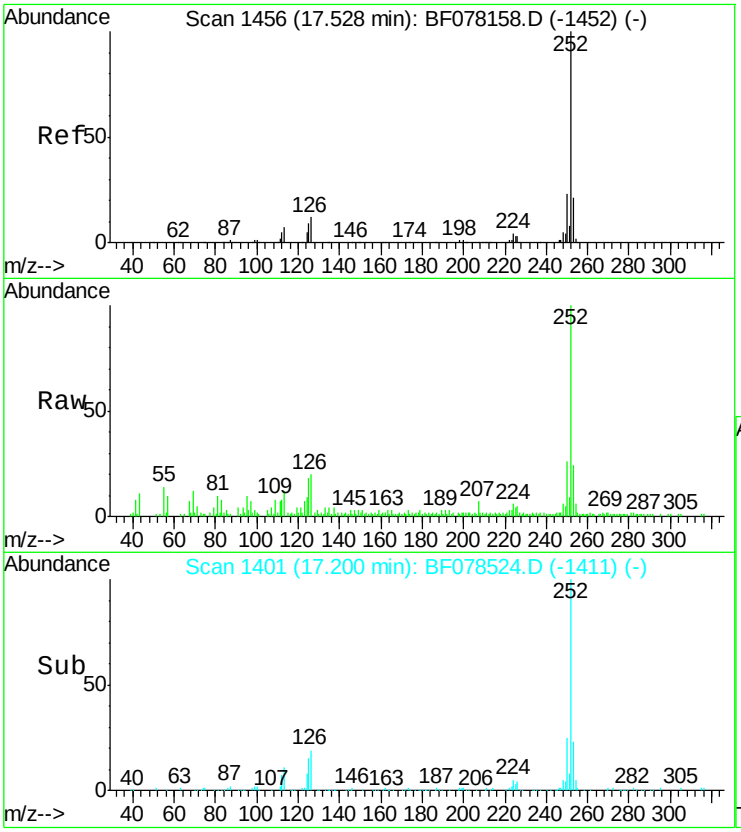


#88
Benzo(k)fluoranthene
Concen: 2.49 ng m
RT: 16.87 min Scan# 1372
Delta R.T. -0.18 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:252 Resp: 16386

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	15.2	11.6	17.4



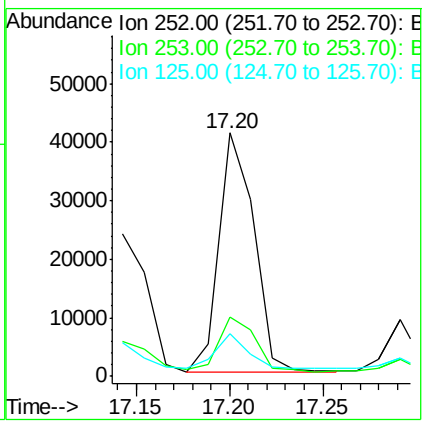


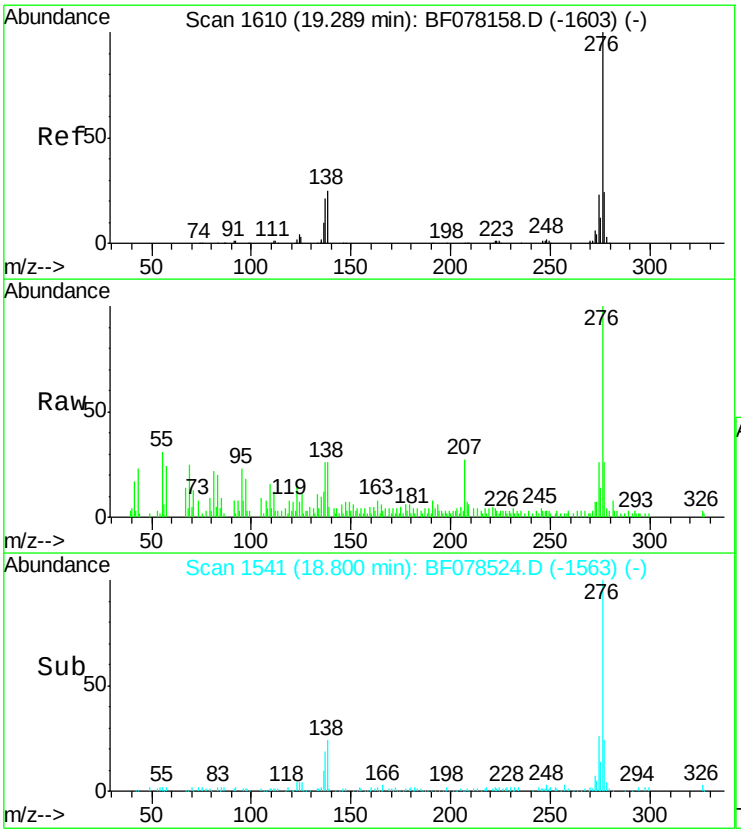
#89
Benzo(a)pyrene
Concen: 8.30 ng
RT: 17.20 min Scan# 1401
Delta R.T. -0.22 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Instrument :
BNA_F
ClientSampleId :
FD-1-20150409

Tgt Ion:252 Resp: 53521

Ion	Ratio	Lower	Upper
252	100		
253	24.3	16.8	25.2
125	17.7	7.4	11.0#





#91
Benzo(g,h,i)perylene
Concen: 4.35 ng m
RT: 18.80 min Scan# 1541
Delta R.T. -0.35 min
Lab File: BF078524.D
Acq: 15 Apr 2015 3:11

Tgt Ion:276 Resp: 28153

Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.0	28.4
138	26.1	19.9	29.9