Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052215\
Data File : BF079464.D
Acq On : 23 May 2015 8:52
Operator : TP/IZ
Sample : G2289-10 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-30D

Quant Time: May 25 07:00:52 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 25 06:56:43 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	70451	20.00	ng		0.00
21) Naphthalene-d8	8.63	136	291909	20.00	ng		0.00
38) Acenaphthene-d10	10.80	164	135191	20.00	ng		0.00
63) Phenanthrene-d10	12.63	188	252126	20.00	ng		0.00
75) Chrysene-d12	15.91	240	259087	20.00	ng		0.00
86) Perylene-d12	17.63	264	255185	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	0.00	112	0	0.00	ng		
7) Phenol-d6	0.00	99	0	0.00	ng		
23) Nitrobenzene-d5	7.75	82	25261	4.97	ng		0.00
41) 2,4,6-Tribromophenol	11.78	330	13162	9.00	ng		0.00
44) 2-Fluorobiphenyl	9.98	172	98837	10.19	ng		0.00
78) Terphenyl-d14	14.63	244	100666	9.30	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.65	128	30374	2.18	ng		98
32) Benzoic acid	8.38	122	493	6.48	ng	#	51
51) Acenaphthene	10.83	154	56769	6.92	ng		99
54) Dibenzofuran	11.05	168	45714	3.86	ng		97
55) 4-Nitrophenol	11.05	139	16461	8.50	ng	#	1
57) Fluorene	11.47	166	53627	5.51	ng		99
70) Phenanthrene	12.66	178	520723	36.92	ng		100
71) Anthracene	12.72	178	168709	12.19	ng		99
72) Carbazole	12.94	167	29637	2.25	ng		98
74) Fluoranthene	14.14	202	549725	37.40	ng		96
77) Pyrene	14.41	202	490909	32.88	ng		98
80) Benzo(a)anthracene	15.90	228	210796	14.86	ng		96
82) Chrysene	15.94	228	166405	12.19	ng		98
84) Di-n-octyl phthalate	16.73	149	39776	2.28	ng	#	81
85) Indeno(1,2,3-cd)pyrene	18.97	276	100087	5.76	ng		96
87) Benzo(b)fluoranthene	17.20	252	281623	20.16	ng		100
88) Benzo(k)fluoranthene	17.20	252	281623	20.83	ng	#	95
89) Benzo(a)pyrene	17.57	252	170520	13.26	ng	#	94
91) Benzo(g,h,i)perylene	19.36	276	98889	7.22	ng	#	94

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

Quantitation Report (Not Reviewed)

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SB-30D

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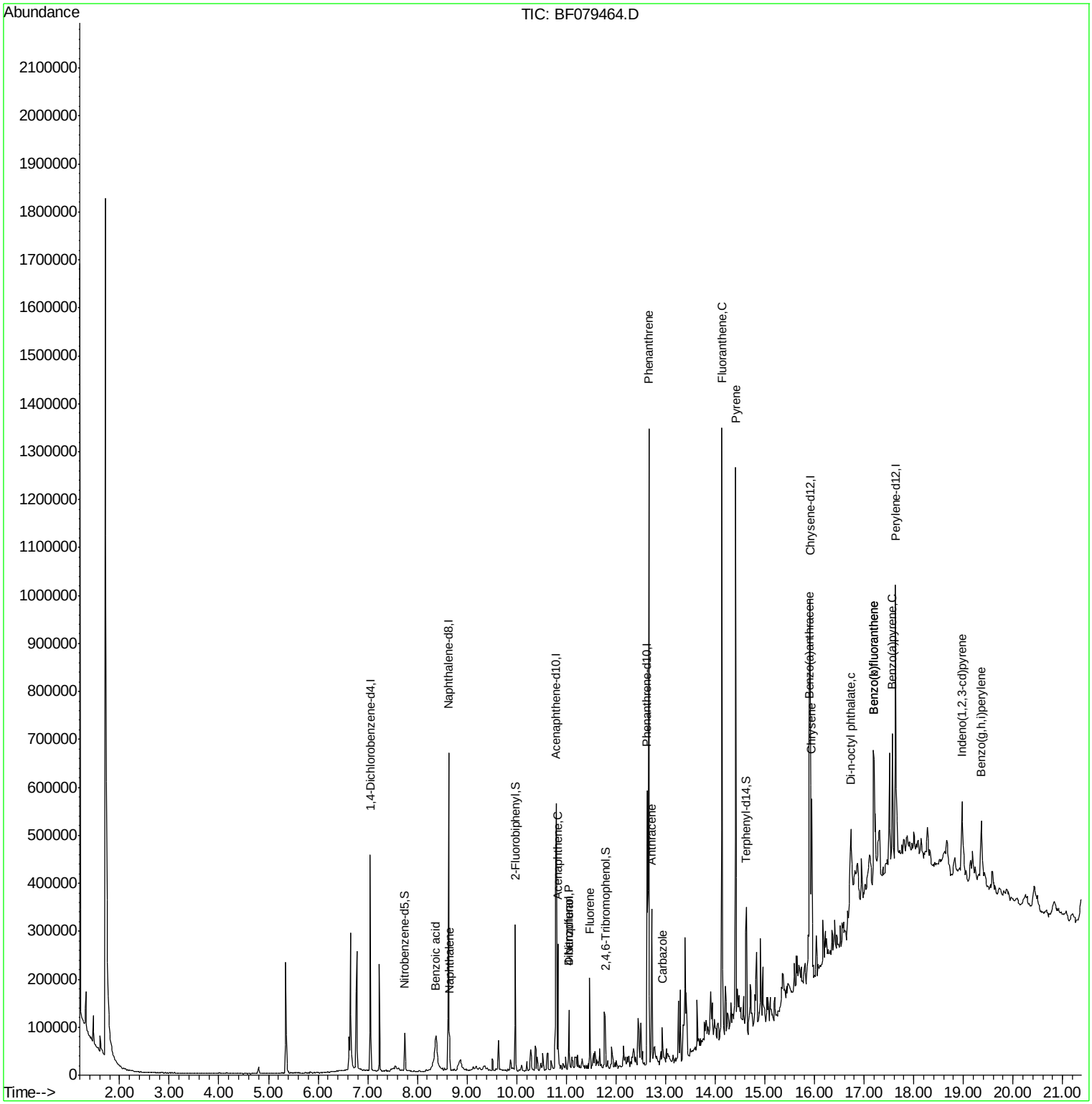
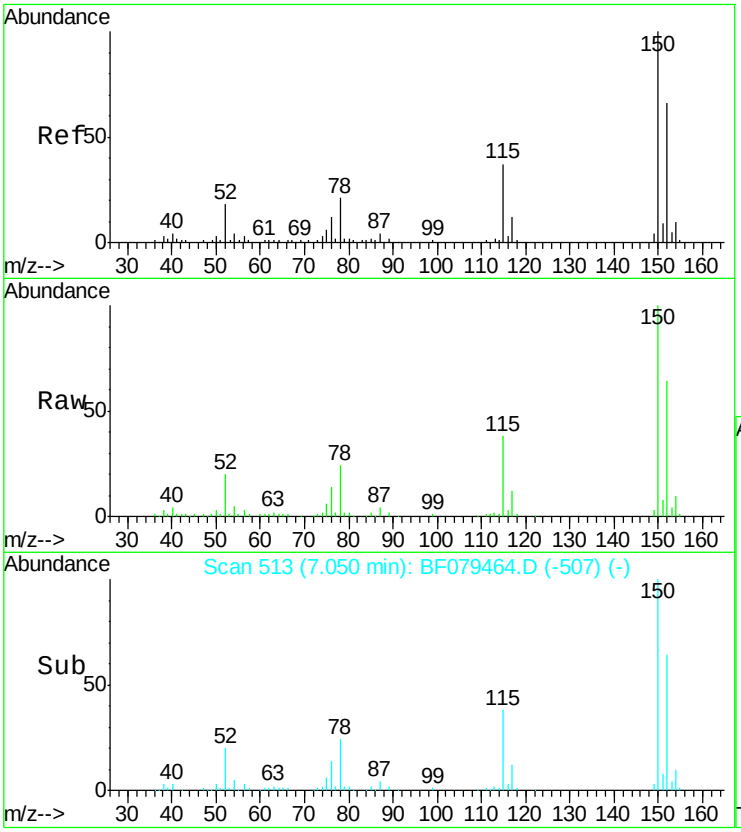


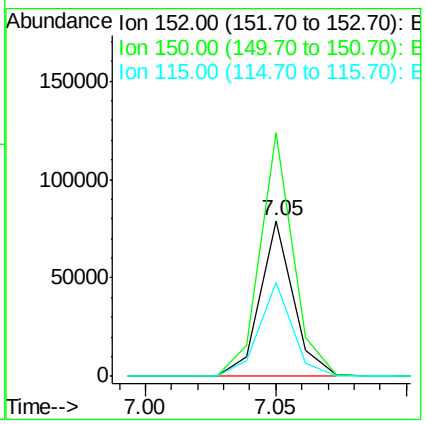


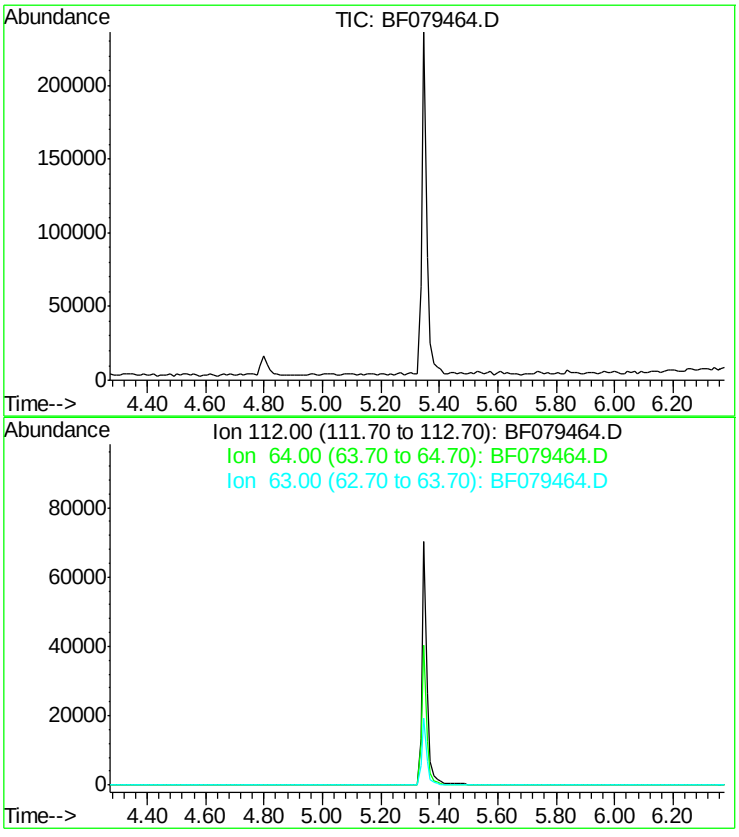
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.05 min Scan# 513
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tgt Ion:152 Resp: 70451

Ion	Ratio	Lower	Upper
152	100		
150	156.2	123.8	185.8
115	60.1	49.4	74.0



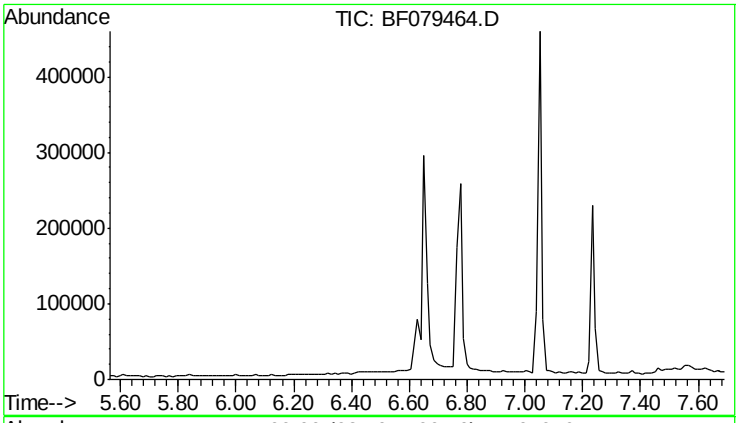


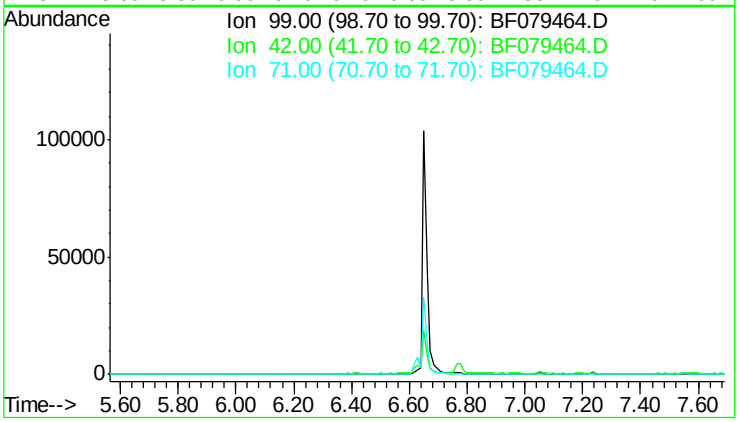
#5
2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.32 min

Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	55.2
63	28.4





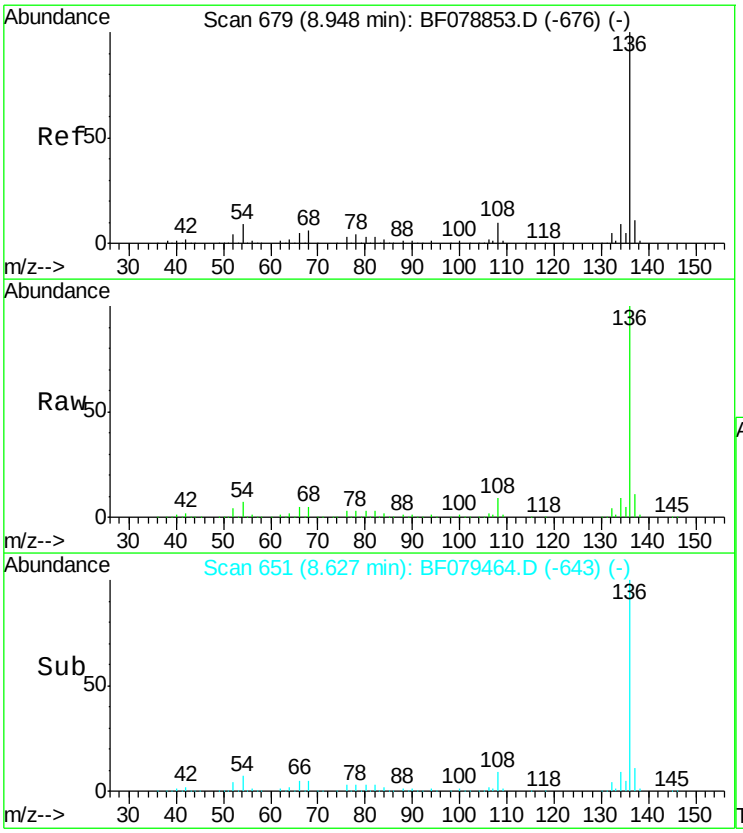
#7
Phenol-d6
Concen: 0.00 ng
Expected RT: 6.63 min

Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	21.4
71	32.9

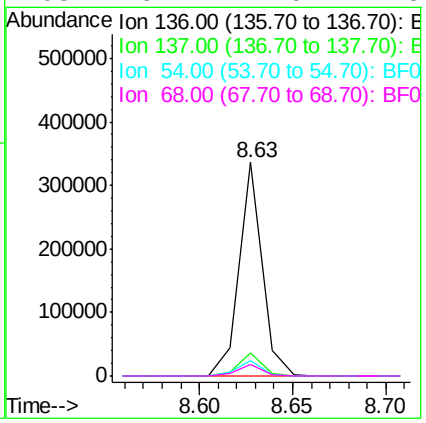
Instrument :
BNA_F
ClientSampleId :
SB-30D

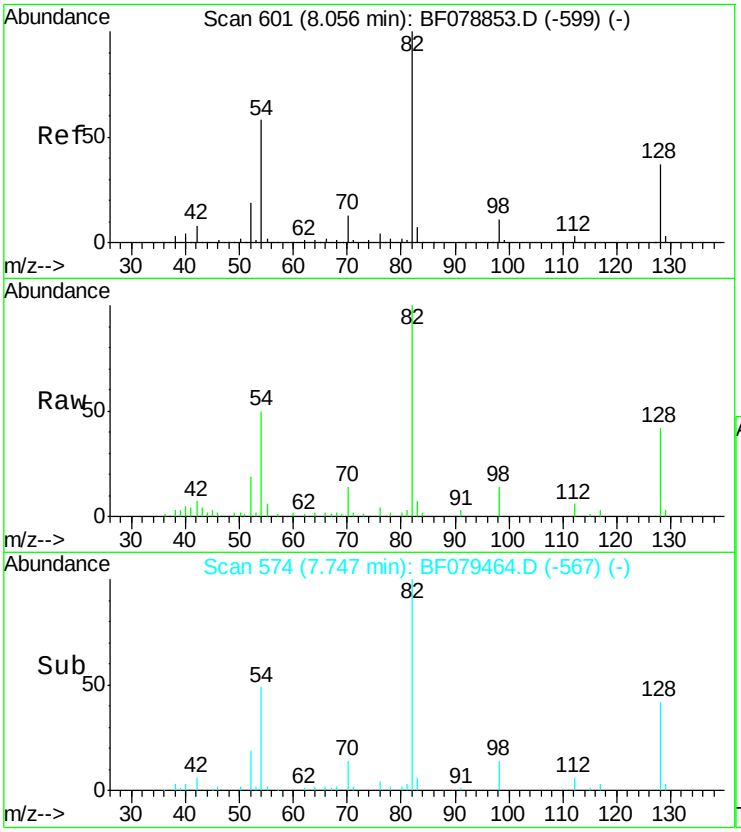


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.63 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion:136 Resp: 291909

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.0	6.9	10.3
68	5.2	4.9	7.3



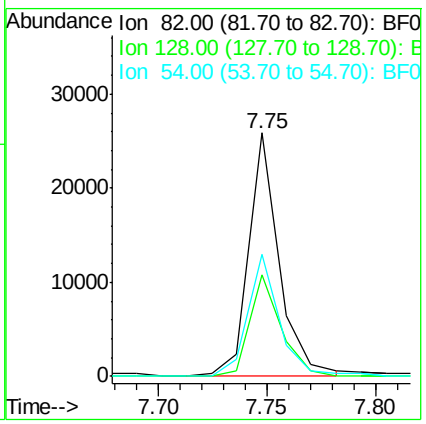


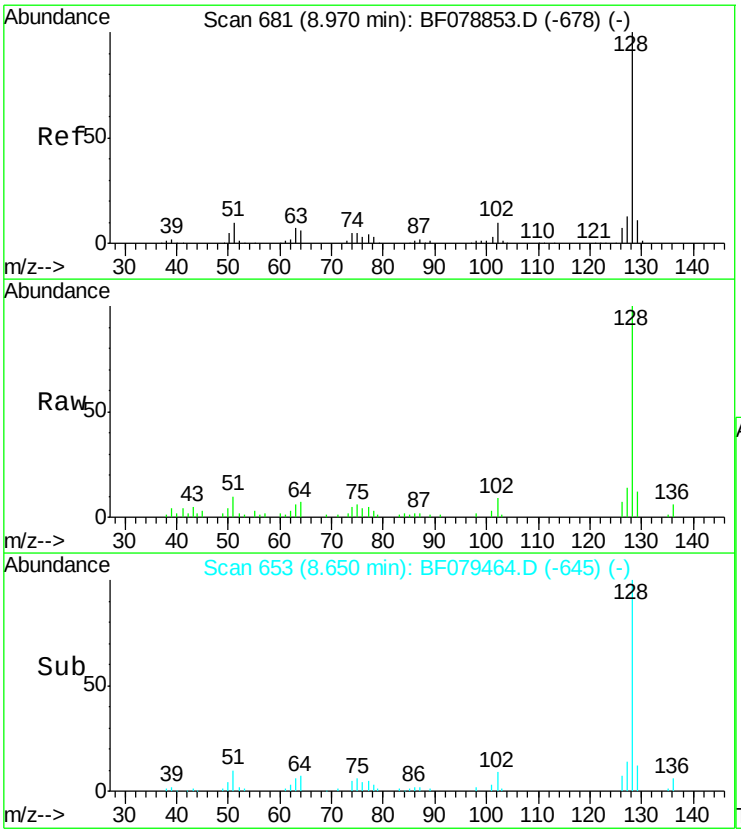
#23
Nitrobenzene-d5
Concen: 4.97 ng
RT: 7.75 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tgt Ion: 82 Resp: 25261

Ion	Ratio	Lower	Upper
82	100		
128	41.7	29.7	44.5
54	50.2	46.2	69.4

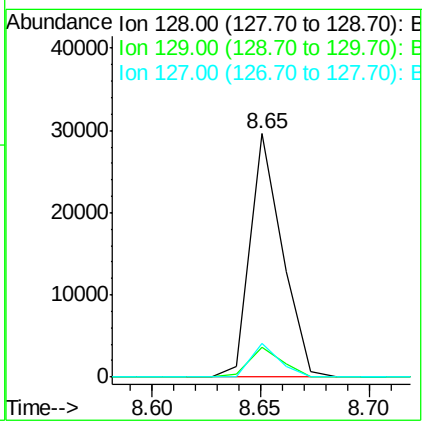


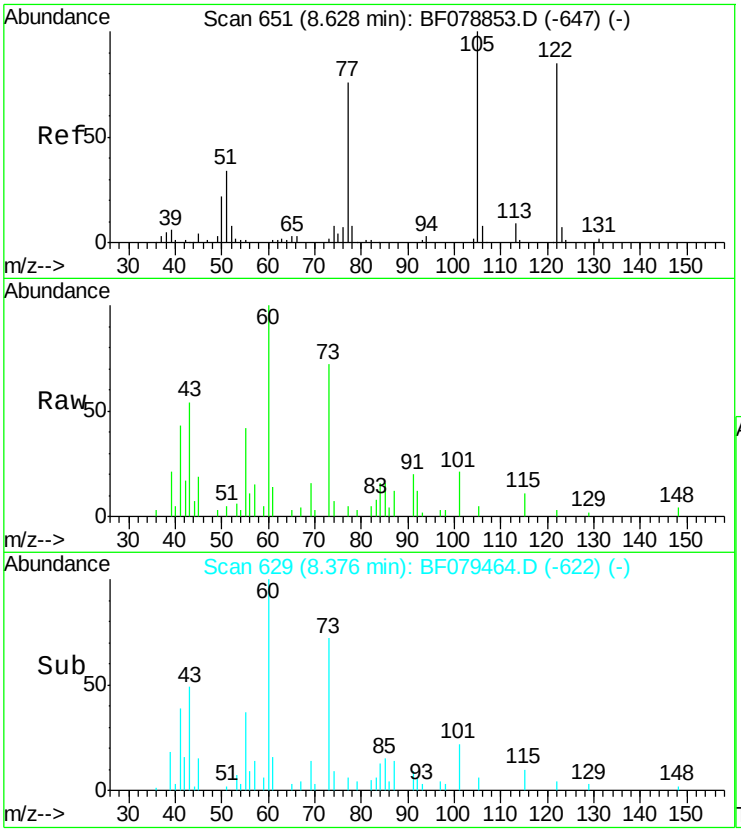


#31
Naphthalene
Concen: 2.18 ng
RT: 8.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion:128 Resp: 30374

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.2	13.8
127	13.9	10.3	15.5



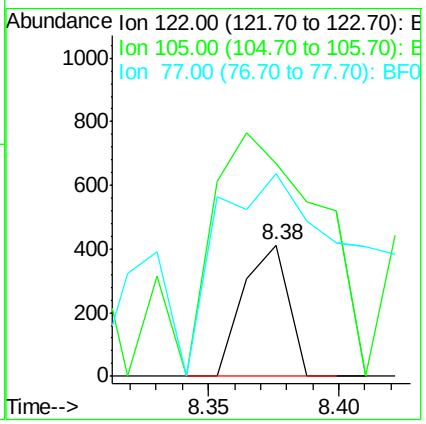


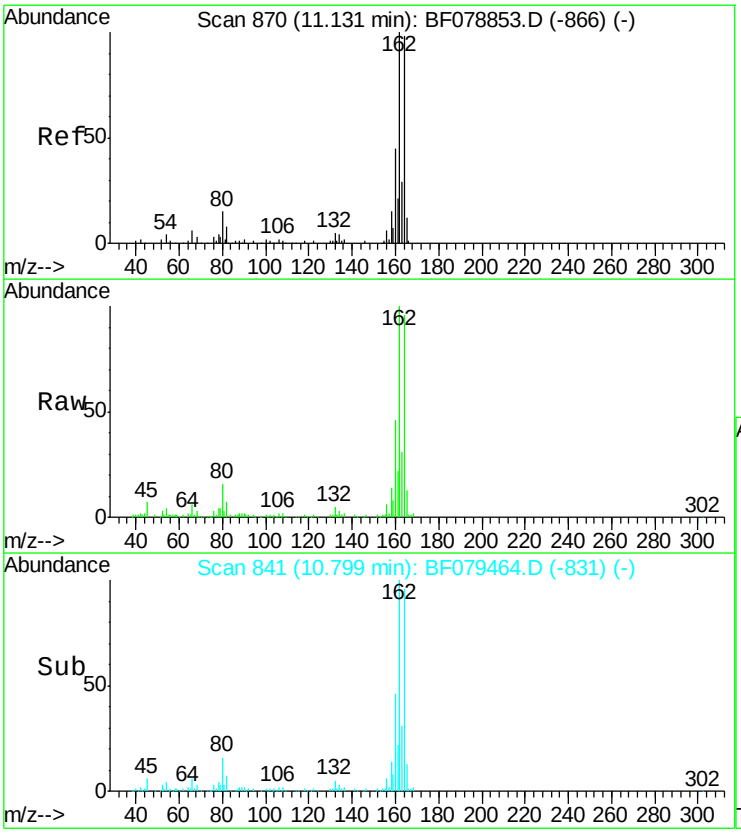
#32
Benzoic acid
Concen: 6.48 ng
RT: 8.38 min Scan# 629
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tgt Ion:122 Resp: 493

Ion	Ratio	Lower	Upper
122	100		
105	161.7	100.7	140.7#
77	154.0	72.0	112.0#

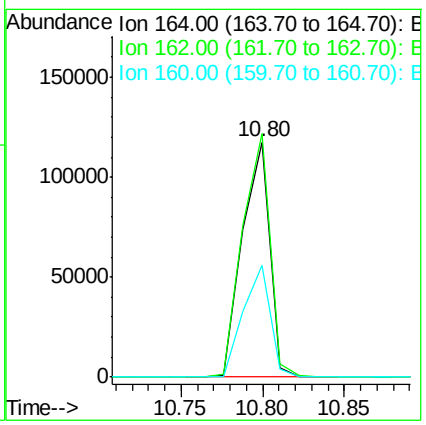


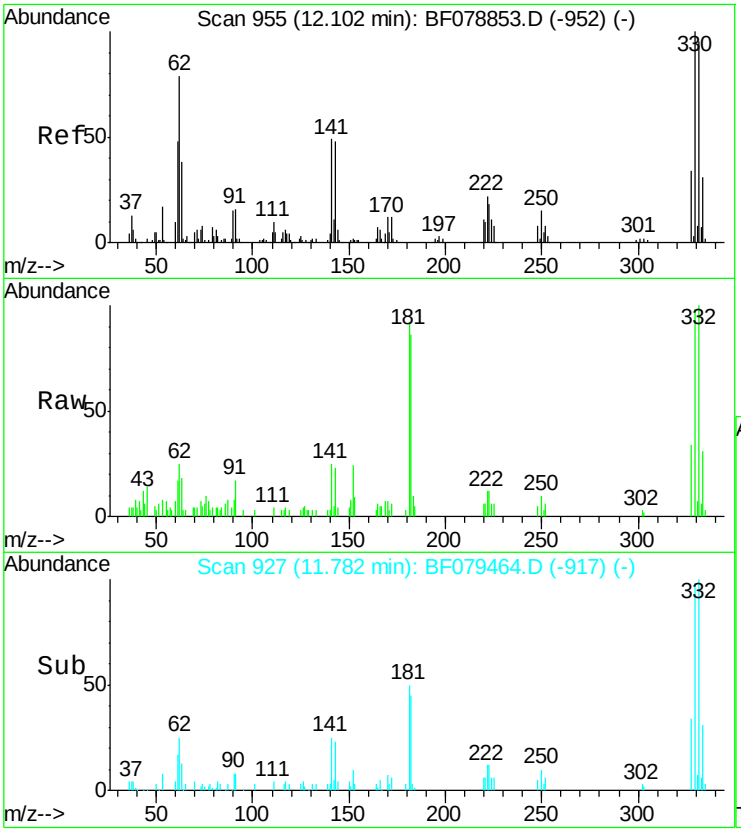


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion:164 Resp: 135191

Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.4	122.0
160	47.6	36.6	54.8



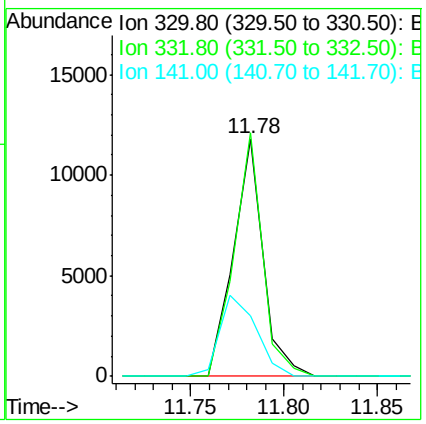


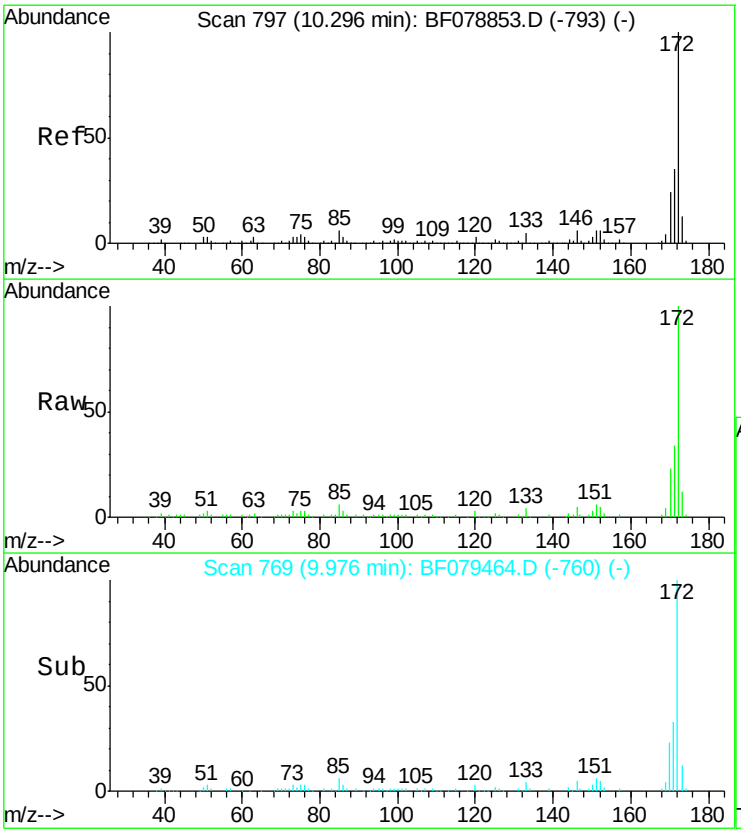
#41
2,4,6-Tribromophenol
Concen: 9.00 ng
RT: 11.78 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tgt Ion:330 Resp: 13162

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.9	115.3
141	41.5	27.8	41.8

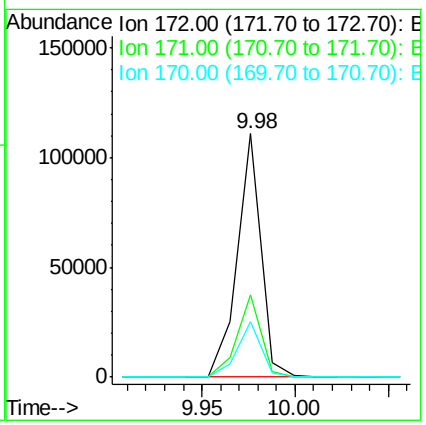


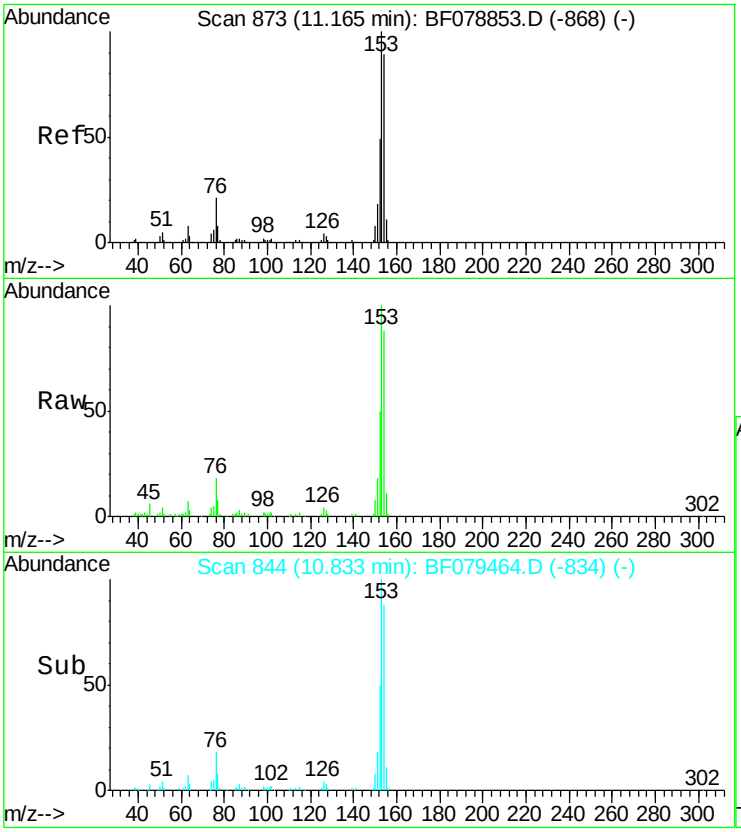


#44
2-Fluorobiphenyl
Concen: 10.19 ng
RT: 9.98 min Scan# 769
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion:172 Resp: 98837

Ion	Ratio	Lower	Upper
172	100		
171	33.7	28.3	42.5
170	22.9	19.4	29.2



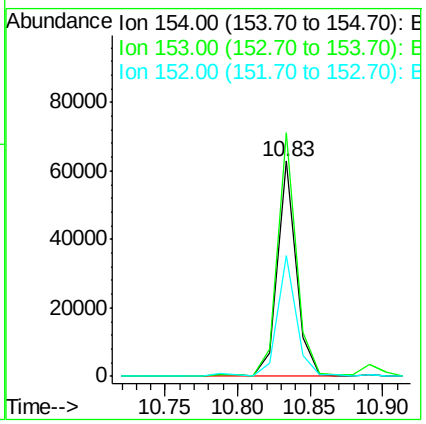


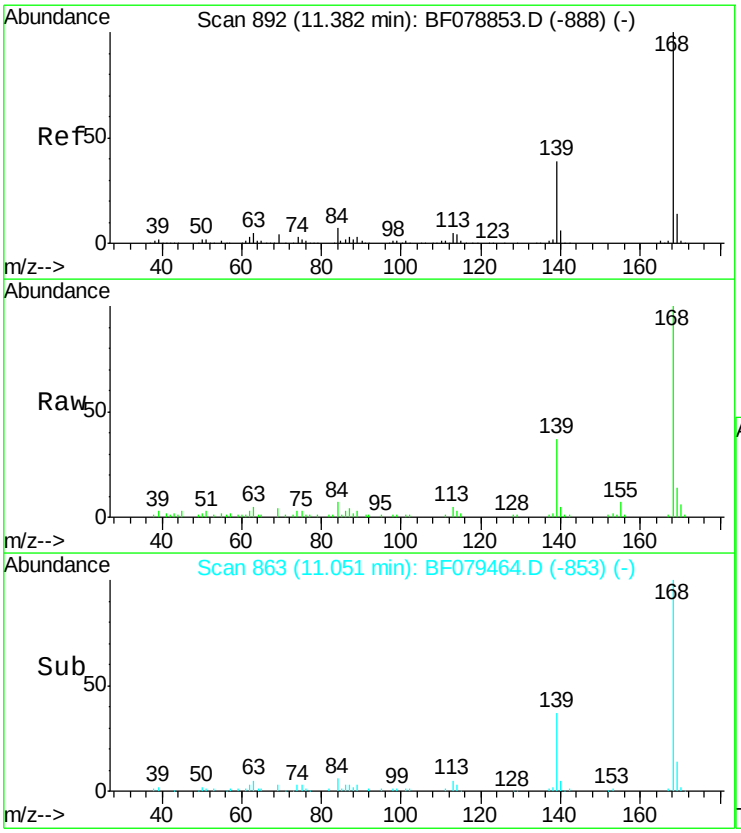
#51
Acenaphthene
Concen: 6.92 ng
RT: 10.83 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tgt Ion:154 Resp: 56769

Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.2	135.2
152	56.3	43.8	65.8

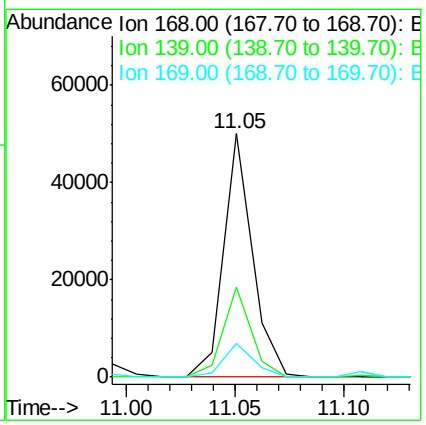


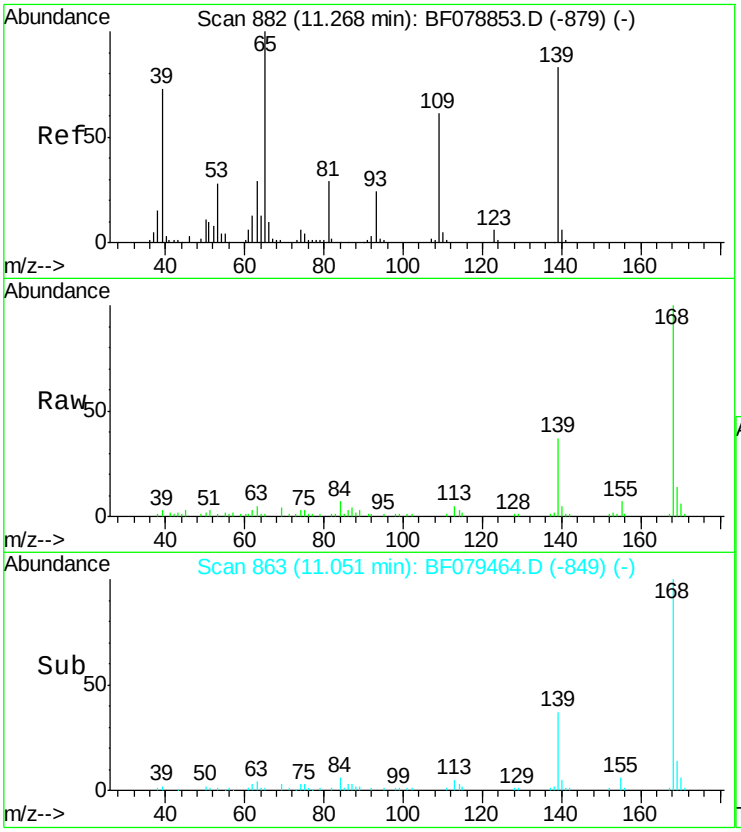


#54
Dibenzofuran
Concen: 3.86 ng
RT: 11.05 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion:168 Resp: 45714

Ion	Ratio	Lower	Upper
168	100		
139	36.7	31.5	47.3
169	14.0	11.0	16.4



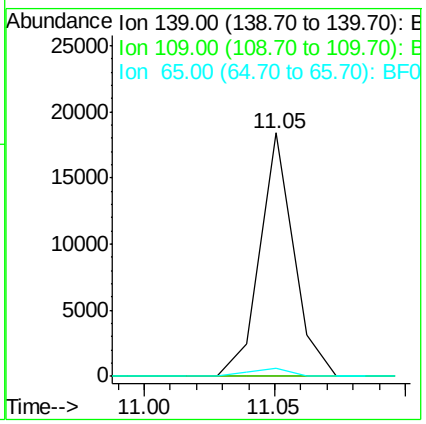


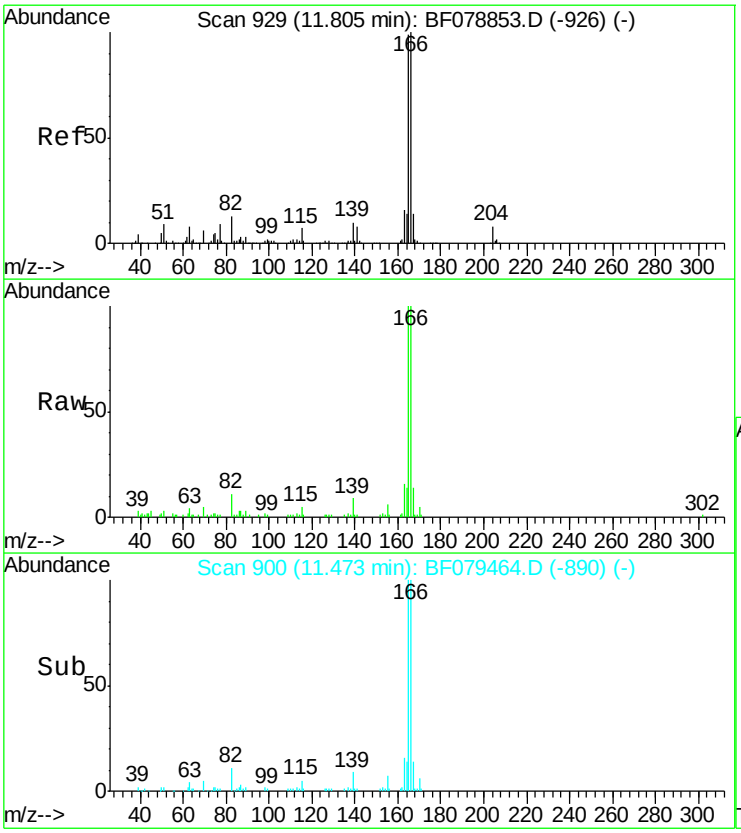
#55
4-Nitrophenol
Concen: 8.50 ng
RT: 11.05 min Scan# 863
Delta R.T. 0.05 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tgt Ion:139 Resp: 16461

Ion	Ratio	Lower	Upper
139	100		
109	0.0	54.4	94.4#
65	3.3	101.0	141.0#

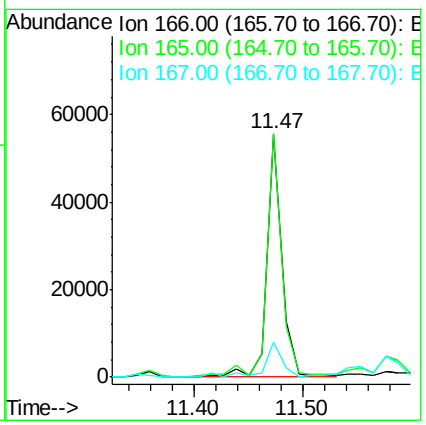


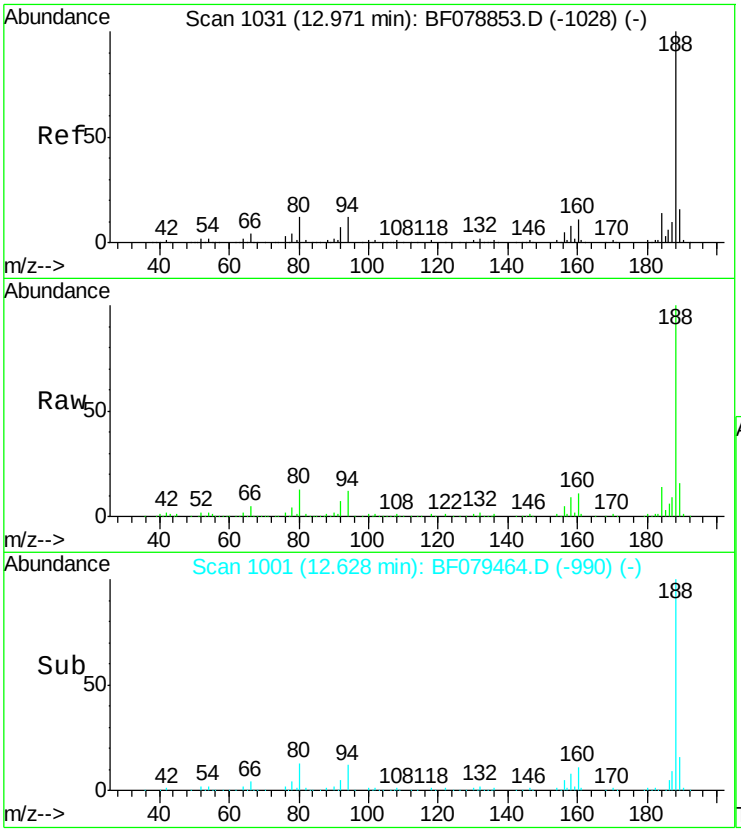


#57
Fluorene
Concen: 5.51 ng
RT: 11.47 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion:166 Resp: 53627

Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.5	119.3
167	14.2	11.0	16.6



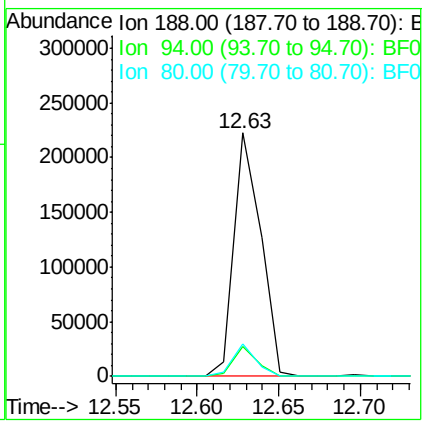


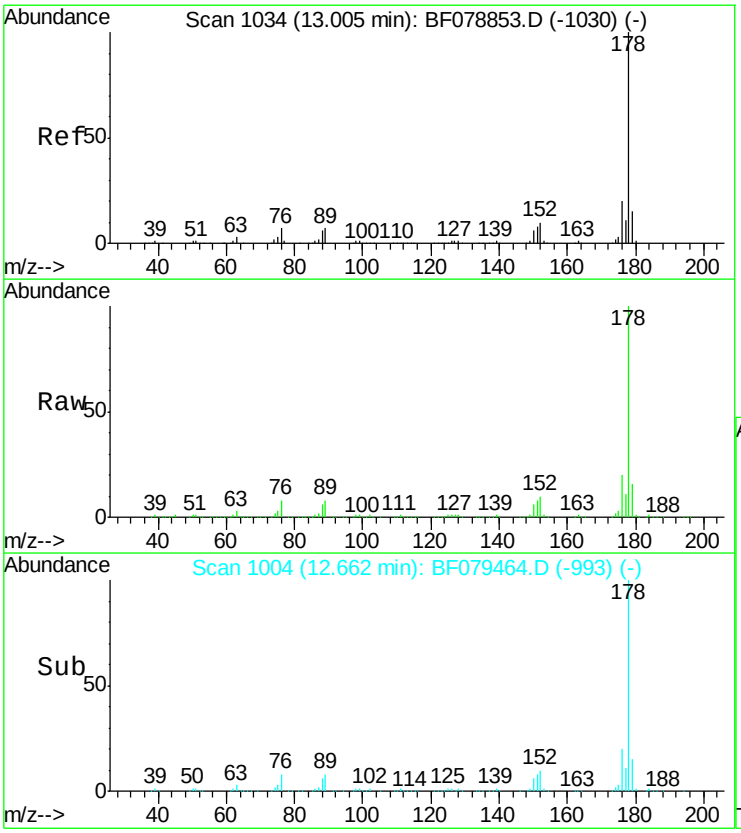
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.63 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tgt Ion:188 Resp: 252126

Ion	Ratio	Lower	Upper
188	100		
94	12.0	9.4	14.0
80	13.1	9.8	14.6

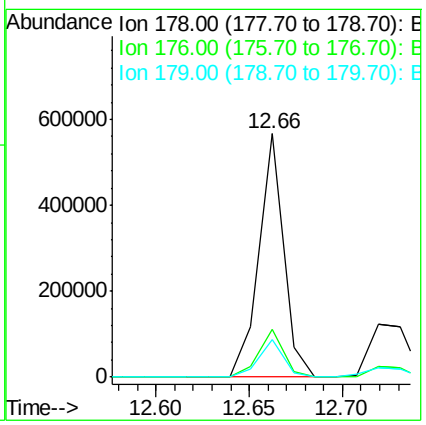


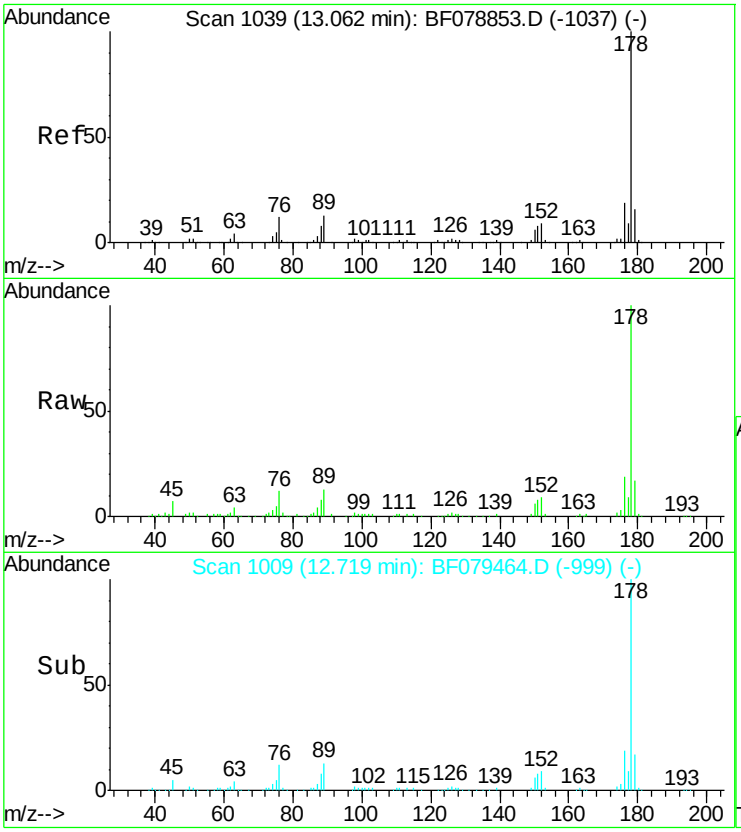


#70
Phenanthrene
Concen: 36.92 ng
RT: 12.66 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion:178 Resp: 520723

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	15.5	12.2	18.4



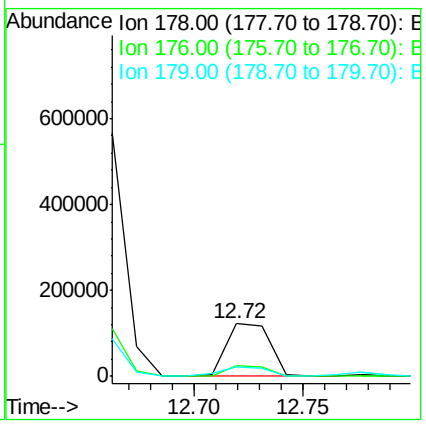


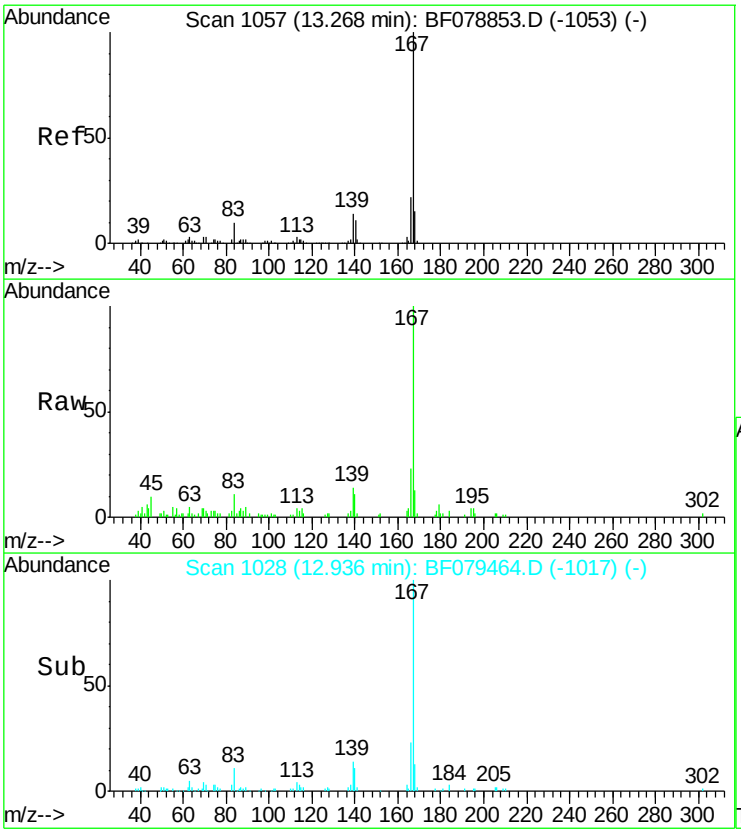
#71
Anthracene
Concen: 12.19 ng
RT: 12.72 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tgt Ion:178 Resp: 168709

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	16.9	12.6	19.0

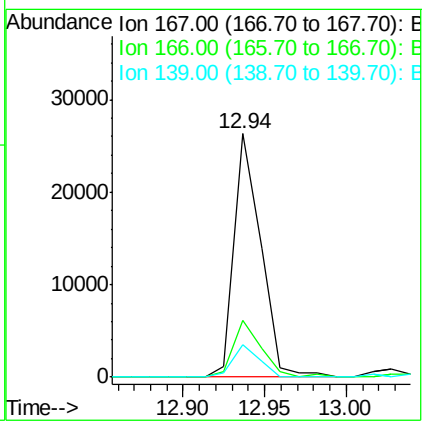


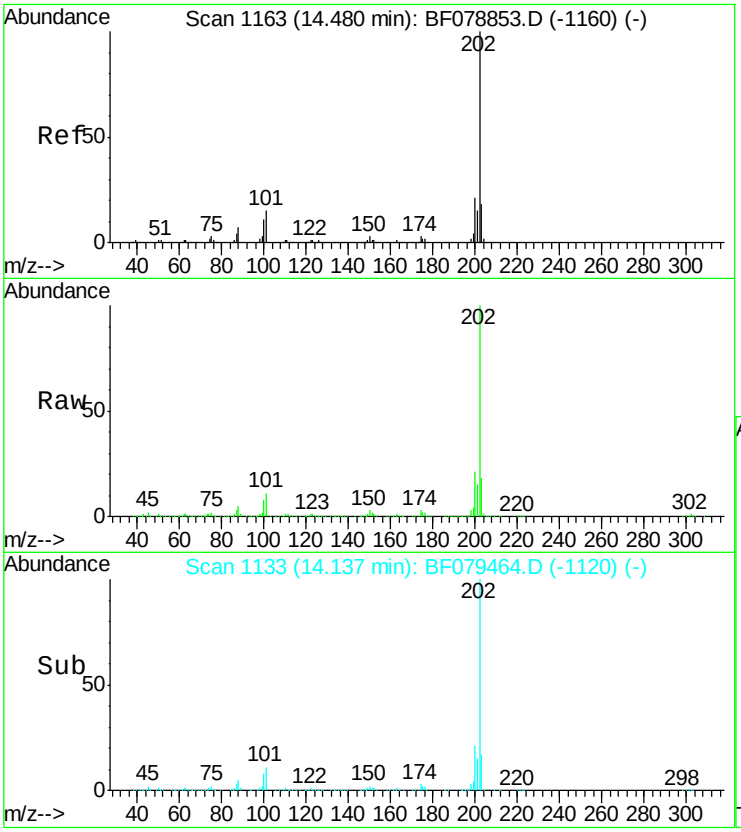


#72
Carbazole
Concen: 2.25 ng
RT: 12.94 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion:167 Resp: 29637

Ion	Ratio	Lower	Upper
167	100		
166	23.5	17.5	26.3
139	13.6	11.0	16.4



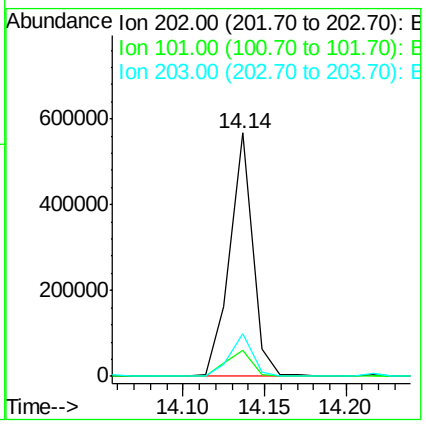


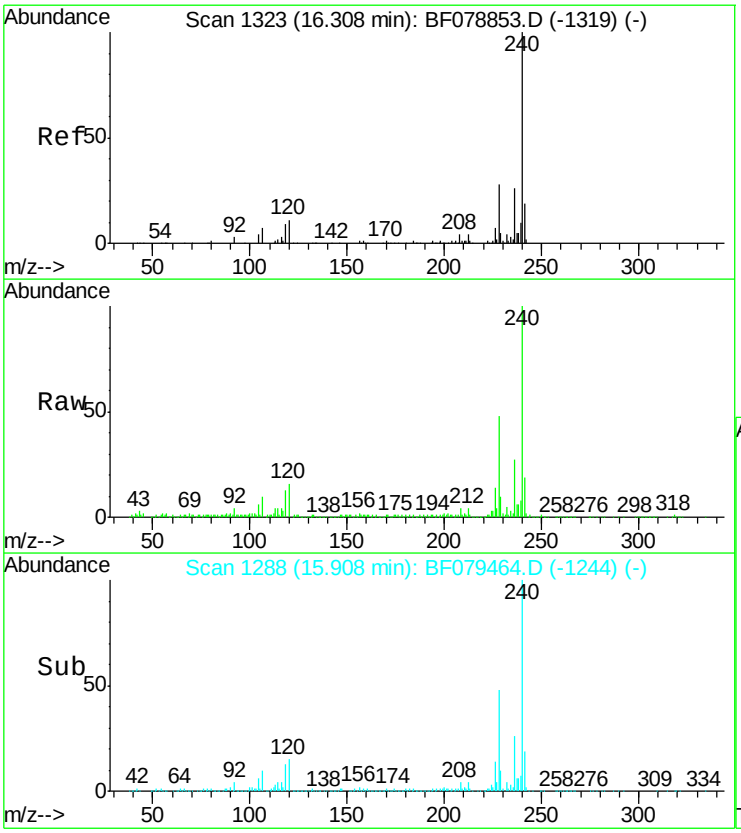
#74
Fluoranthene
Concen: 37.40 ng
RT: 14.14 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tgt Ion:202 Resp: 549725

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	34.7
203	17.7	0.0	37.9

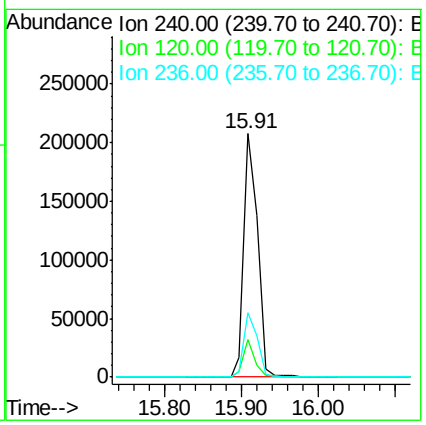


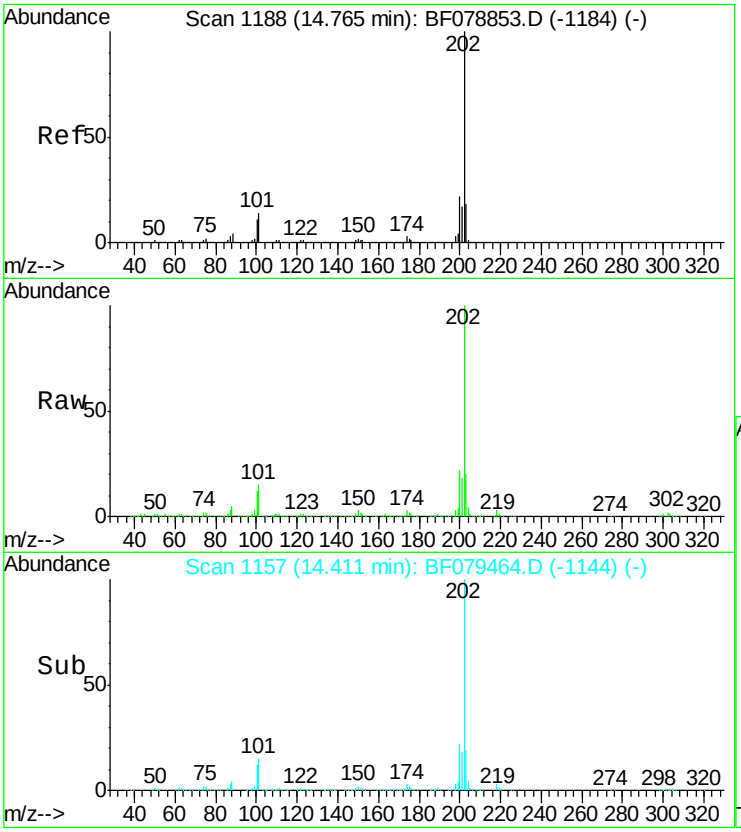


#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion:240 Resp: 259087

Ion	Ratio	Lower	Upper
240	100		
120	15.6	8.6	12.8#
236	26.5	21.0	31.6



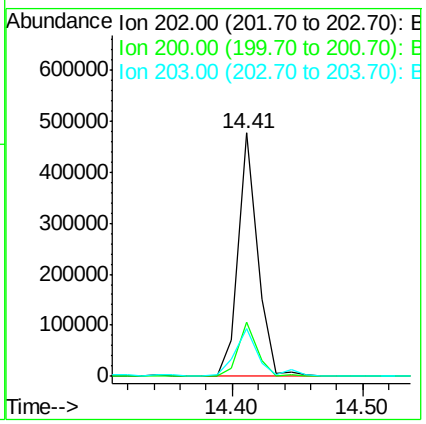


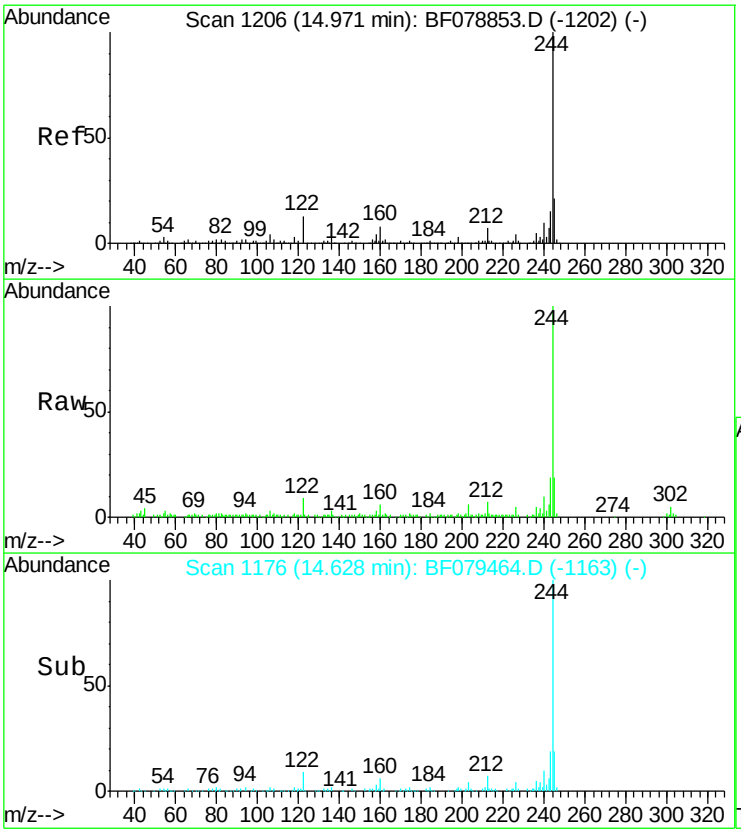
#77
Pyrene
Concen: 32.88 ng
RT: 14.41 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tgt Ion:202 Resp: 490909

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.5	26.3
203	19.6	14.7	22.1

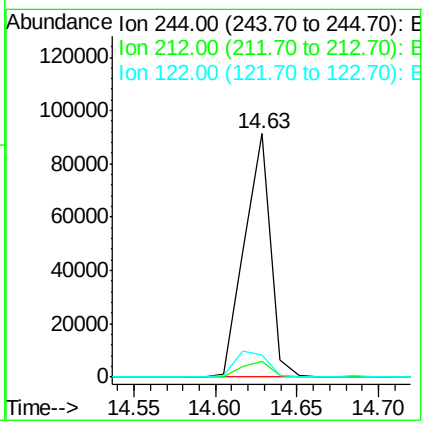


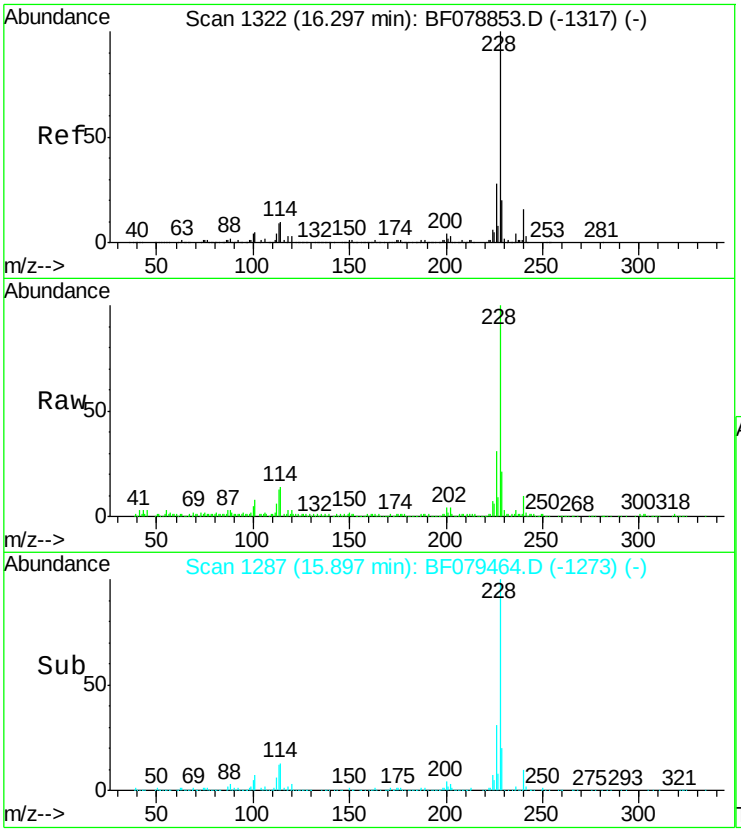


#78
Terphenyl-d14
Concen: 9.30 ng
RT: 14.63 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion:244 Resp: 100666

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	8.9	10.5	15.7#



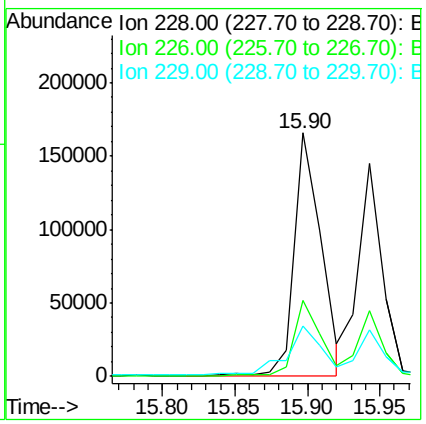


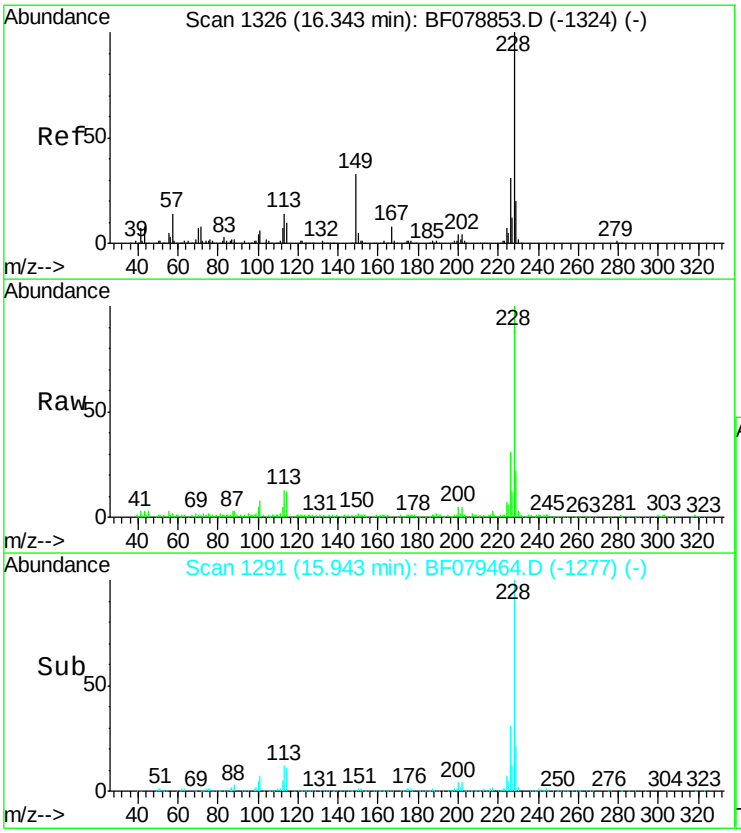
#80
Benzo(a)anthracene
Concen: 14.86 ng
RT: 15.90 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tgt Ion:228 Resp: 210796

Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.3	33.5
229	20.9	16.1	24.1

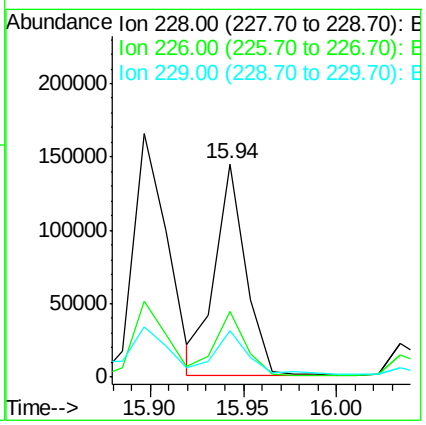


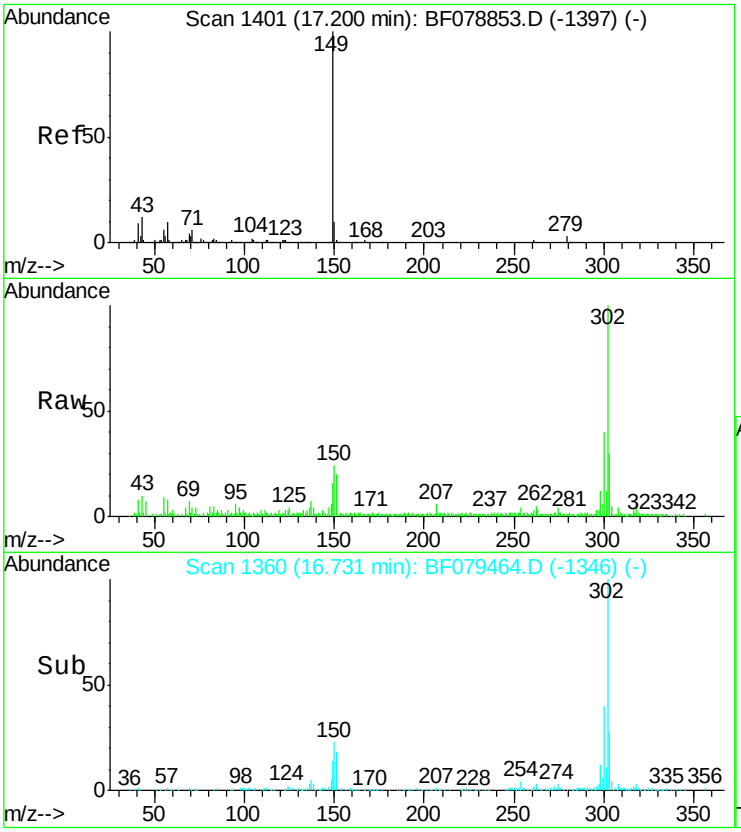


#82
Chrysene
Concen: 12.19 ng
RT: 15.94 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion:228 Resp: 166405

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.8	37.2
229	22.0	16.1	24.1



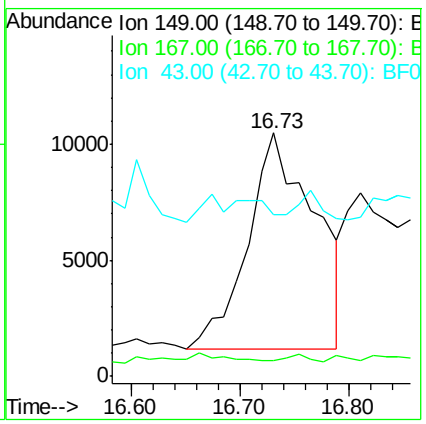


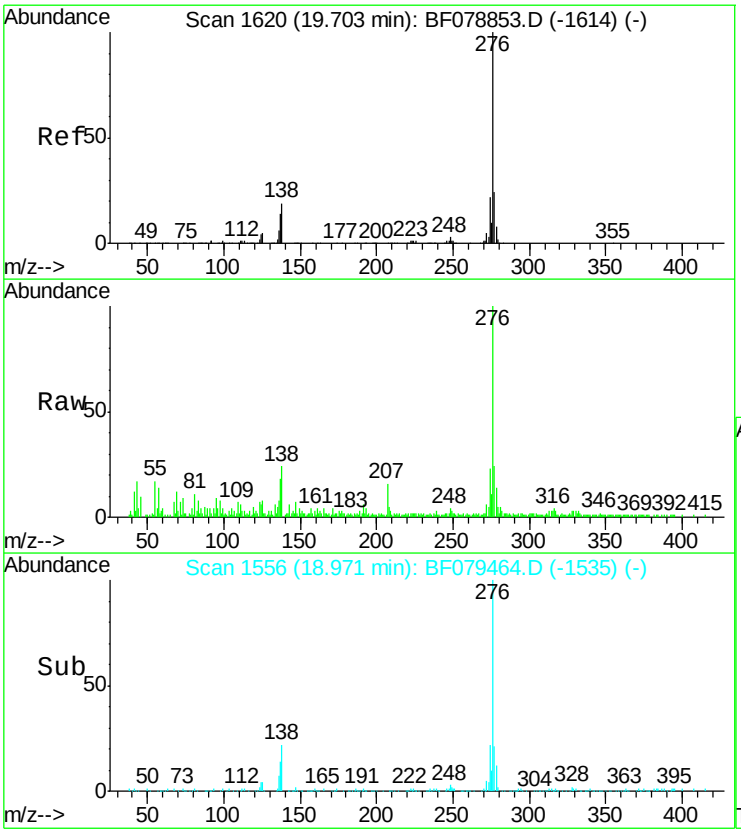
#84
Di-n-octyl phthalate
Concen: 2.28 ng
RT: 16.73 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tgt Ion:149 Resp: 39776

Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.2	1.8#
43	3.2	9.0	13.6#

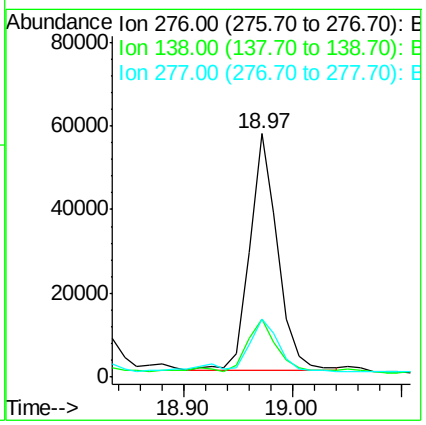


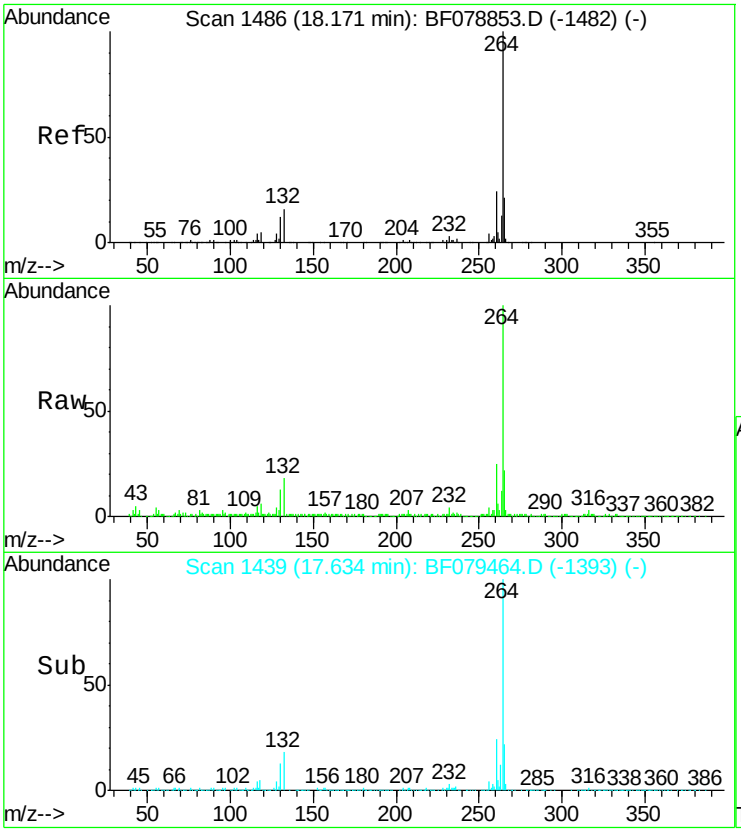


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.76 ng
RT: 18.97 min Scan# 1556
Delta R.T. 0.03 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion:276 Resp: 100087

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.1	31.7
277	28.2	19.9	29.9



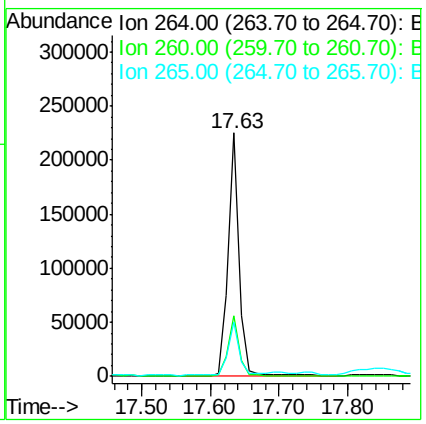


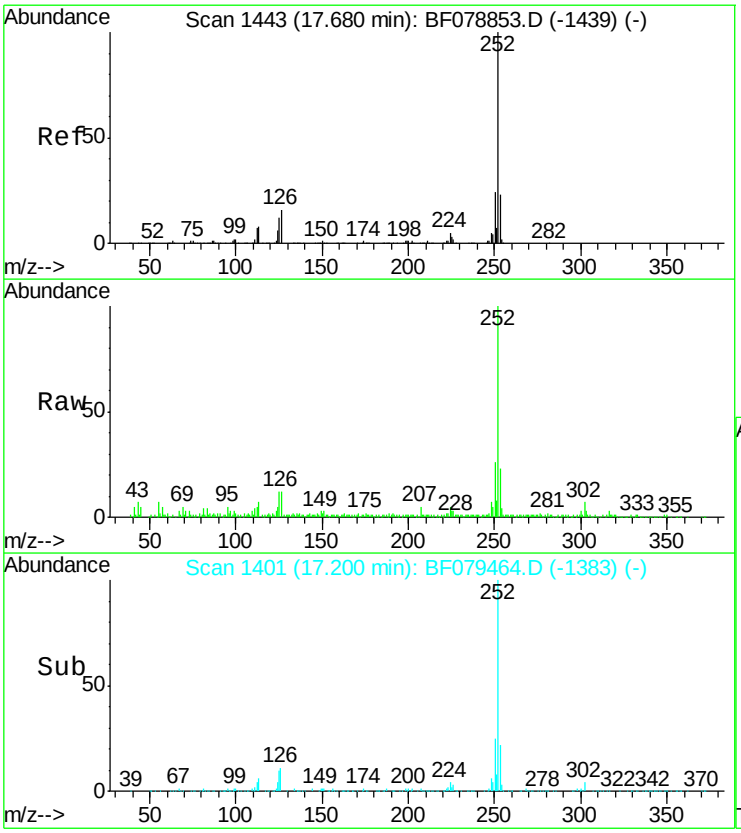
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.63 min Scan# 1439
Delta R.T. 0.02 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tgt Ion:264 Resp: 255185

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.0	17.2	25.8

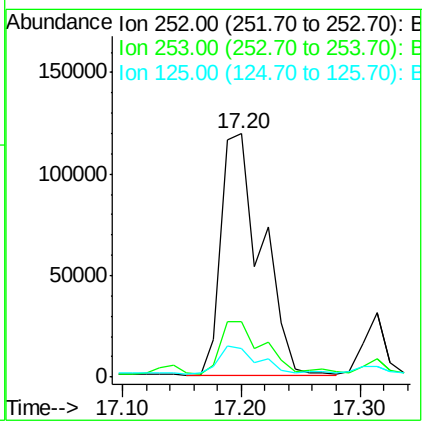


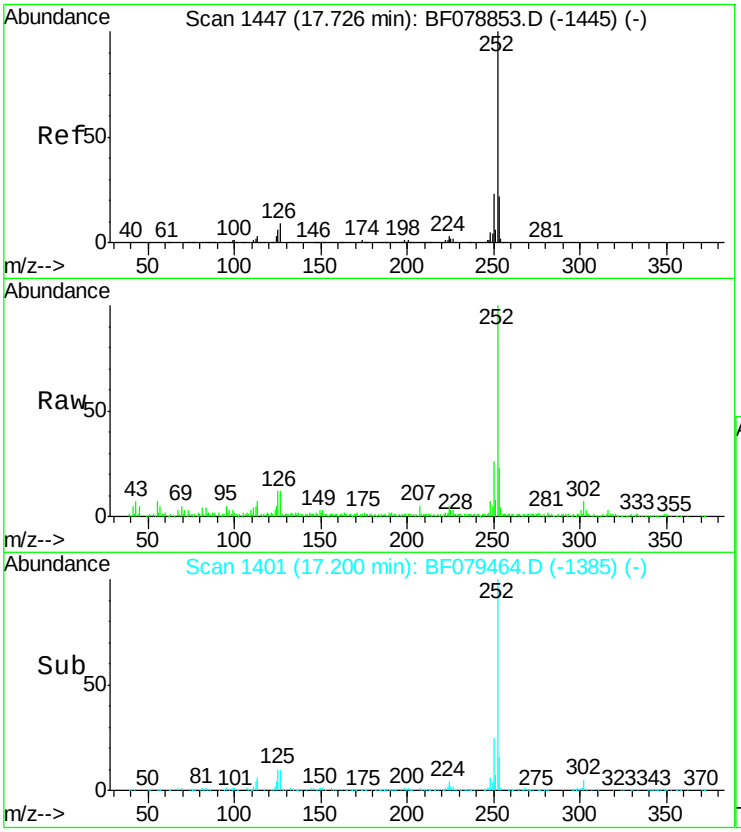


#87
Benzo(b)fluoranthene
Concen: 20.16 ng
RT: 17.20 min Scan# 1401
Delta R.T. 0.02 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion:252 Resp: 281623

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.8	9.4	14.2



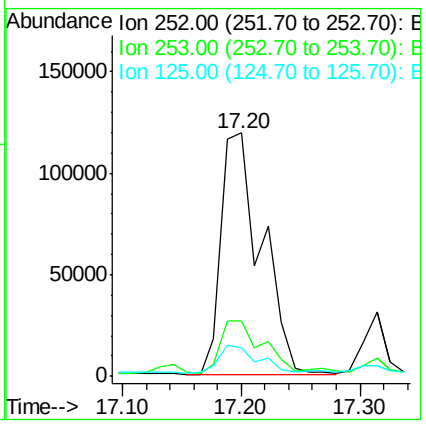


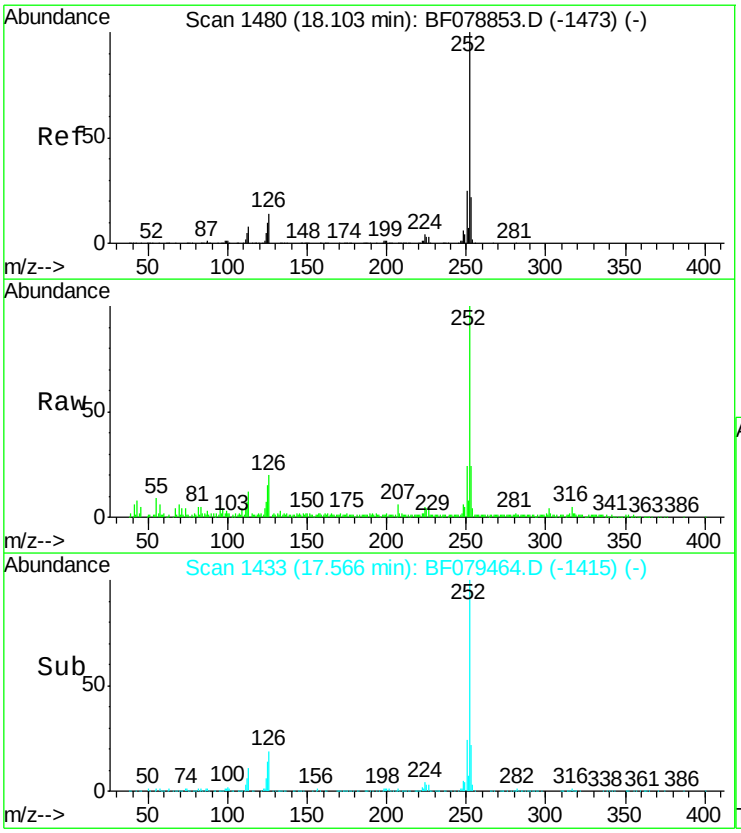
#88
Benzo(k)fluoranthene
Concen: 20.83 ng
RT: 17.20 min Scan# 1401
Delta R.T. -0.00 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Instrument :
BNA_F
ClientSampleId :
SB-30D

Tgt Ion:252 Resp: 281623

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	11.8	6.1	9.1#





#89
Benzo(a)pyrene
Concen: 13.26 ng
RT: 17.57 min Scan# 1433
Delta R.T. 0.02 min
Lab File: BF079464.D
Acq: 23 May 2015 8:52

Tgt Ion:252 Resp: 170520

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	15.2	8.2	12.2#