Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050715\
Data File : BF079009.D
Acq On : 7 May 2015 21:32
Operator : TP/IZ
Sample : G2116-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-44S

Quant Time: May 08 01:08:56 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 08 00:46:40 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	54844	20.00	ng		0.01
21) Naphthalene-d8	8.92	136	240130	20.00	ng		0.01
38) Acenaphthene-d10	11.10	164	125855	20.00	ng		0.00
63) Phenanthrene-d10	12.95	188	252430	20.00	ng		0.01
75) Chrysene-d12	16.25	240	259986	20.00	ng		-0.02
86) Perylene-d12	17.99	264	288445	20.00	ng		-0.15
System Monitoring Compounds							
5) 2-Fluorophenol	5.64	112	85389	26.80	ng		0.01
7) Phenol-d6	6.90	99	116813	27.74	ng		0.01
23) Nitrobenzene-d5	8.03	82	61135	14.63	ng		0.00
41) 2,4,6-Tribromophenol	12.08	330	34532	25.36	ng		0.00
44) 2-Fluorobiphenyl	10.26	172	143073	15.84	ng		0.00
78) Terphenyl-d14	14.94	244	168345	15.50	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.95	128	55758	4.87	ng		99
37) 2-Methylnaphthalene	9.80	142	19377	2.44	ng		98
48) Acenaphthylene	10.92	152	52595	4.10	ng		99
51) Acenaphthene	11.13	154	65211	8.53	ng		98
54) Dibenzofuran	11.35	168	80118	7.26	ng		96
57) Fluorene	11.78	166	81833	9.03	ng		99
70) Phenanthrene	12.98	178	1290273	91.37	ng		99
71) Anthracene	13.04	178	352725	25.46	ng		99
72) Carbazole	13.25	167	108011	8.18	ng		99
74) Fluoranthene	14.46	202	1682202	114.32	ng		97
77) Pyrene	14.74	202	1490662	99.50	ng		97
80) Benzo(a)anthracene	16.23	228	839049	58.93	ng		95
82) Chrysene	16.27	228	724266	52.89	ng		97
83) Bis(2-ethylhexyl)phthalate	16.27	149	23579	2.38	ng	#	95
87) Benzo(b)fluoranthene	17.53	252	927397	58.74	ng		97
88) Benzo(k)fluoranthene	17.53	252	1198489	78.41	ng		98
89) Benzo(a)pyrene	17.92	252	672237	46.24	ng	#	94
90) Dibenzo(a,h)anthracene	19.51	278	94082	6.09	ng	#	89
91) Benzo(g,h,i)perylene	19.94	276	384569	24.83	ng		100

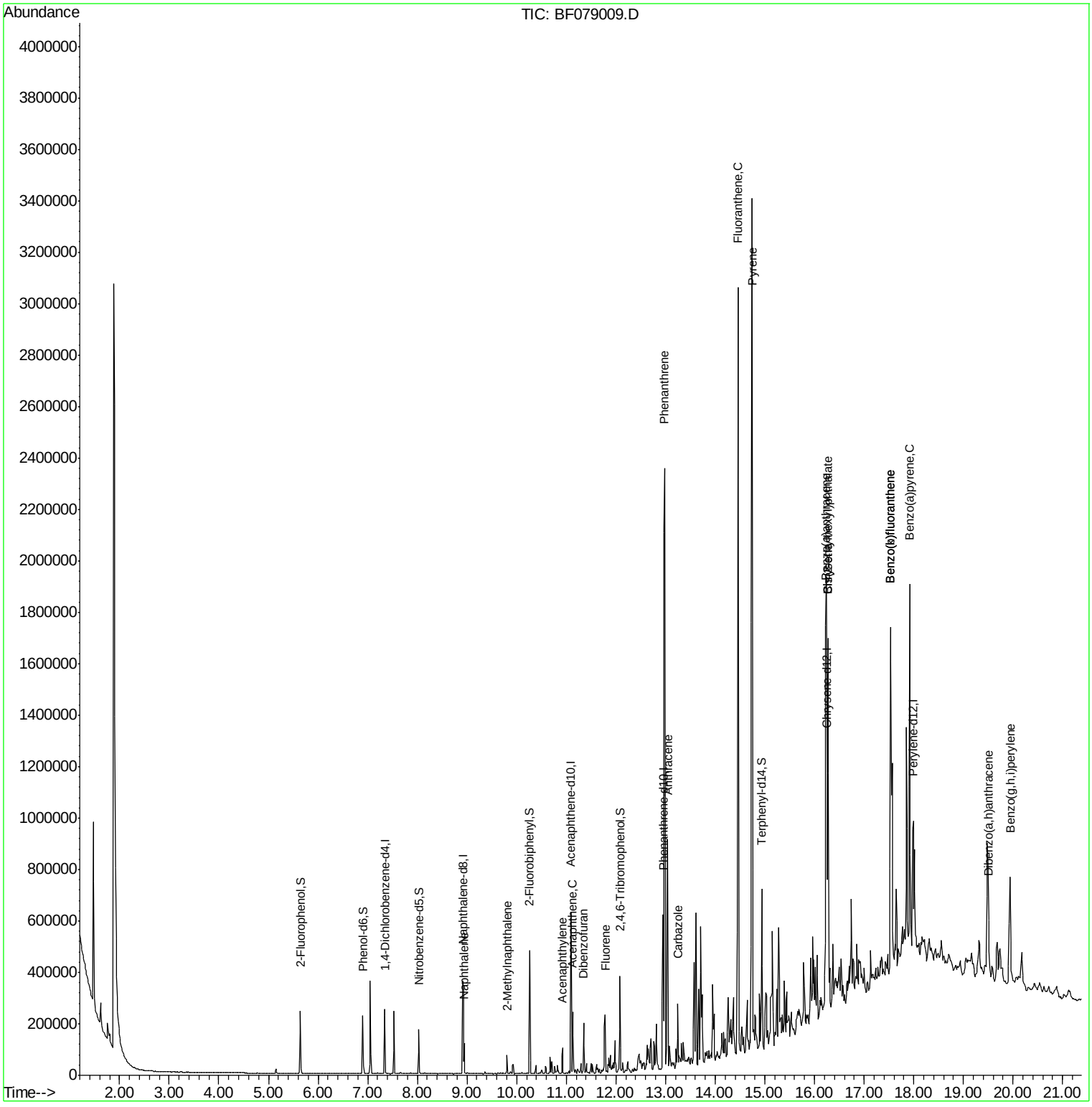
(#) = qualifier out of range (m) = manual integration (+) = signals summed

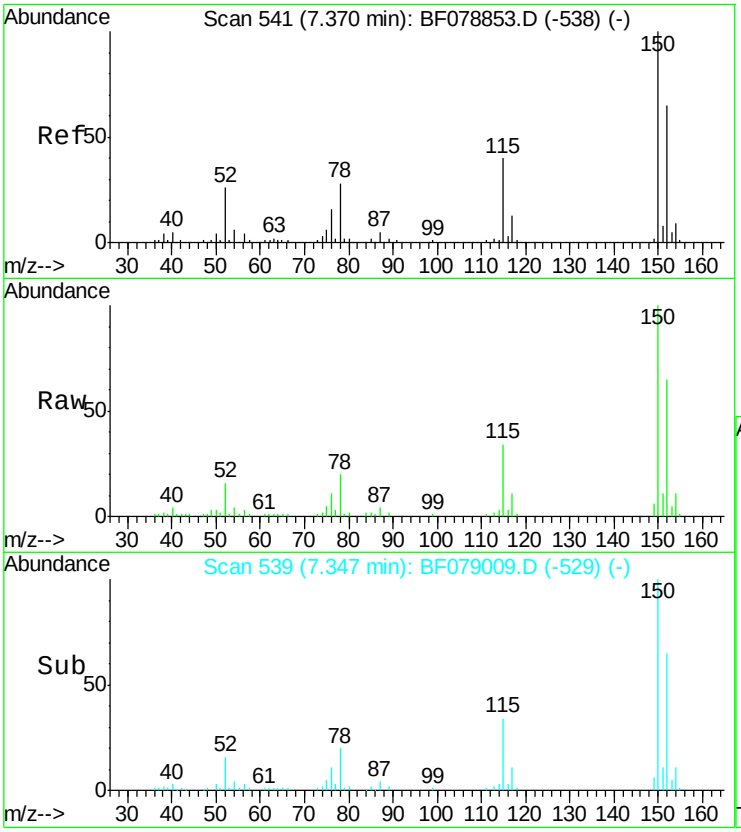
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050715\
Data File : BF079009.D
Acq On : 7 May 2015 21:32
Operator : TP/IZ
Sample : G2116-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-44S

Quant Time: May 08 01:08:56 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 08 00:46:40 2015
Response via : Initial Calibration



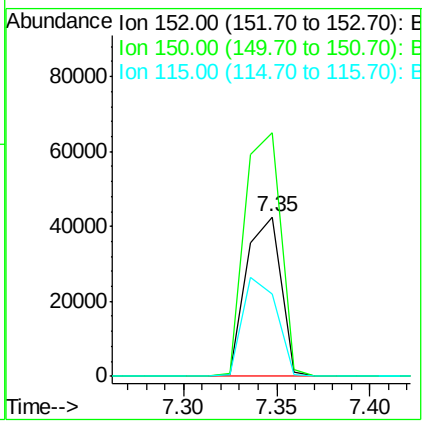


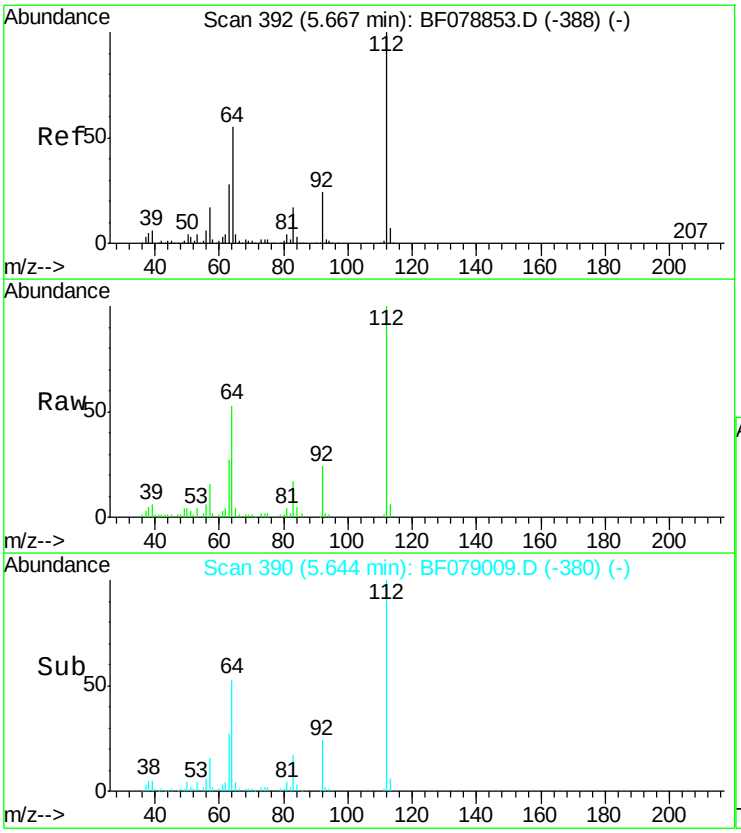
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.01 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion:152 Resp: 54844

Ion	Ratio	Lower	Upper
152	100		
150	152.7	122.0	183.0
115	52.0	46.3	69.5

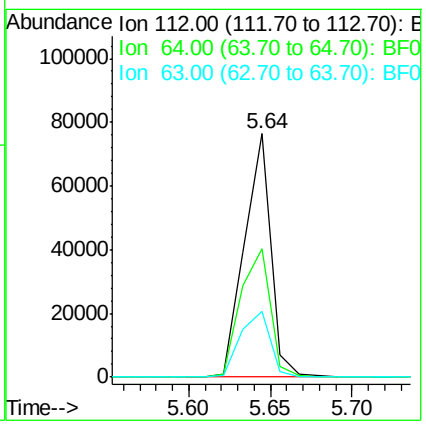


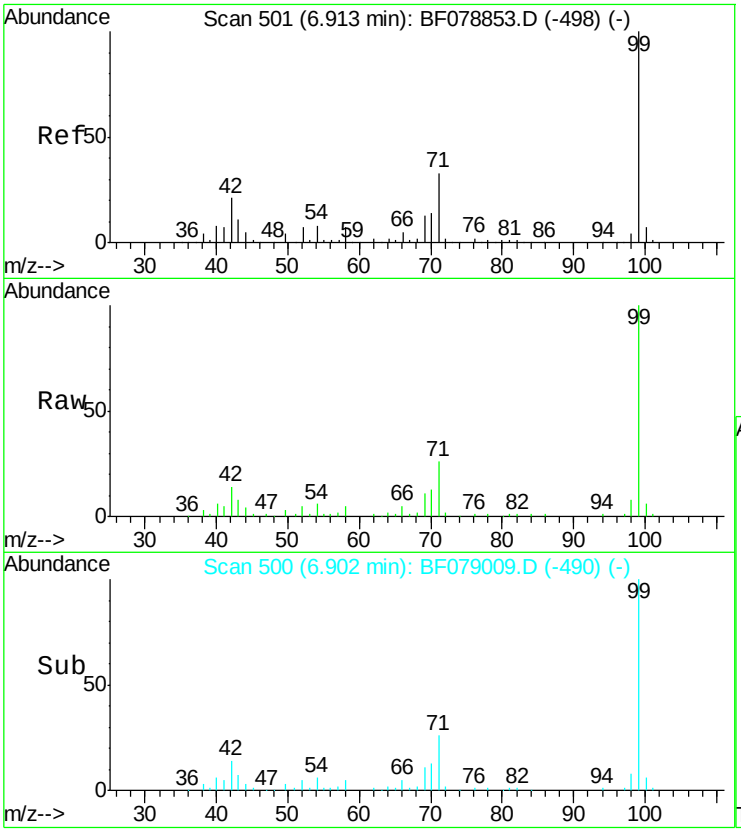


#5
2-Fluorophenol
Concen: 26.80 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:112 Resp: 85389

Ion	Ratio	Lower	Upper
112	100		
64	53.0	53.5	80.3#
63	26.9	27.5	41.3#



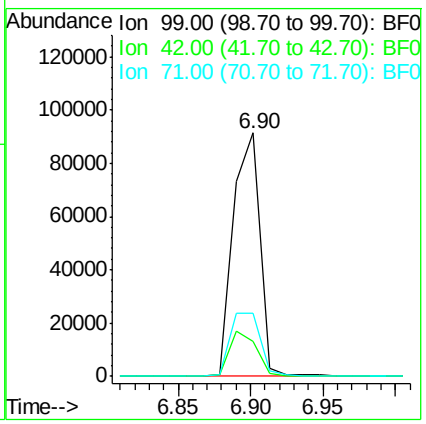


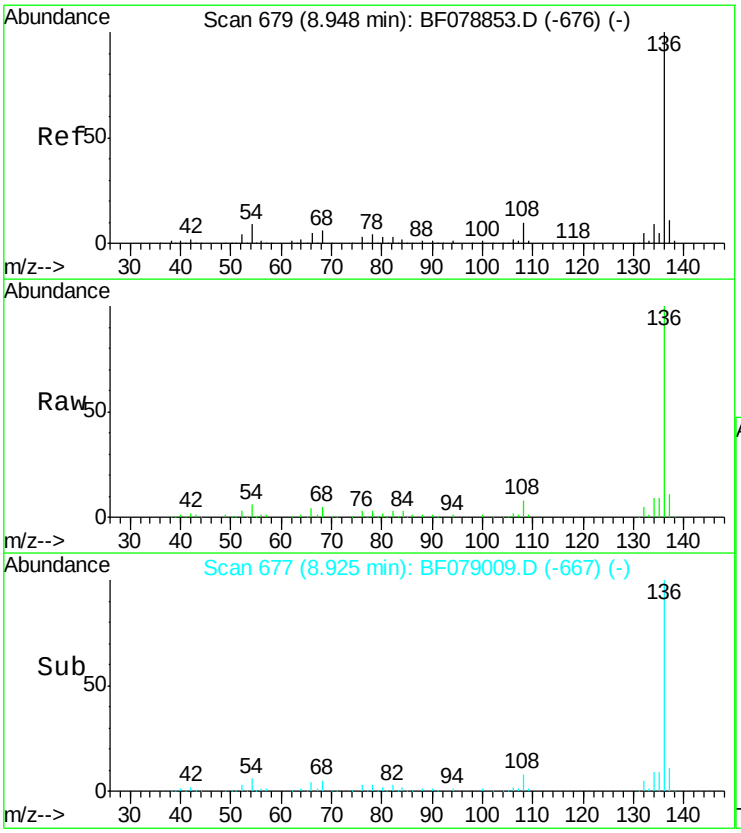
#7
Phenol-d6
Concen: 27.74 ng
RT: 6.90 min Scan# 500
Delta R.T. 0.01 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion: 99 Resp: 116813

Ion	Ratio	Lower	Upper
99	100		
42	14.1	12.8	19.2
71	25.9	23.4	35.2

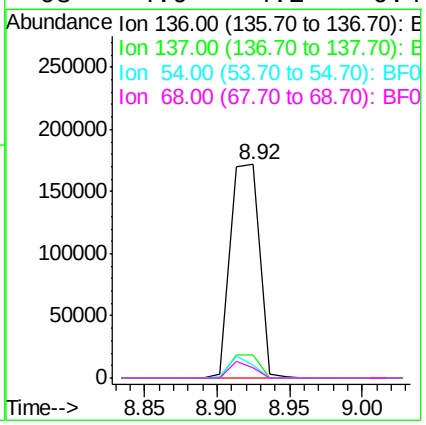


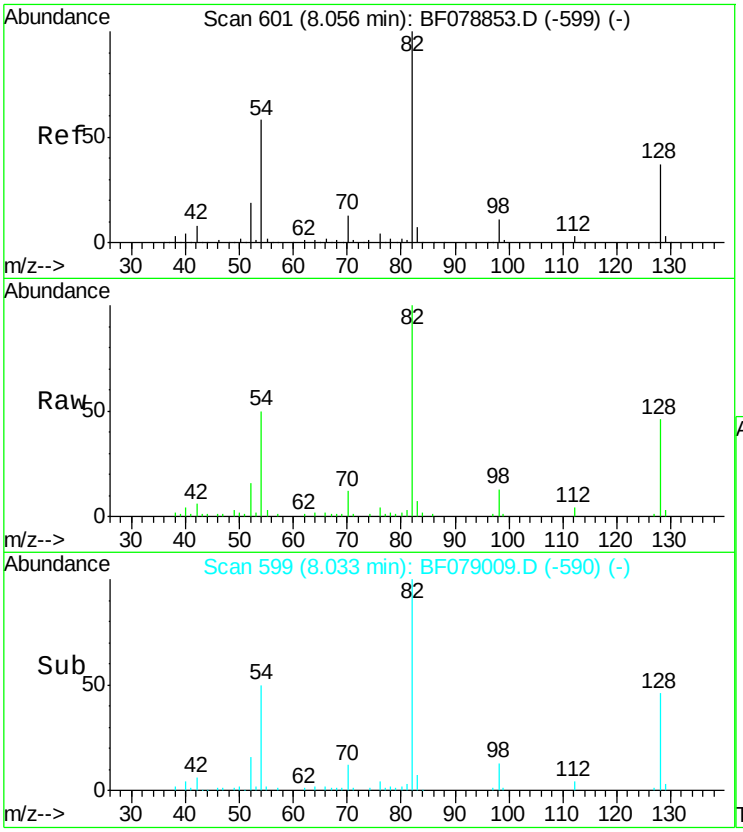


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.92 min Scan# 677
Delta R.T. 0.01 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:136 Resp: 240130

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	6.0	5.8	8.8
68	4.9	4.2	6.4



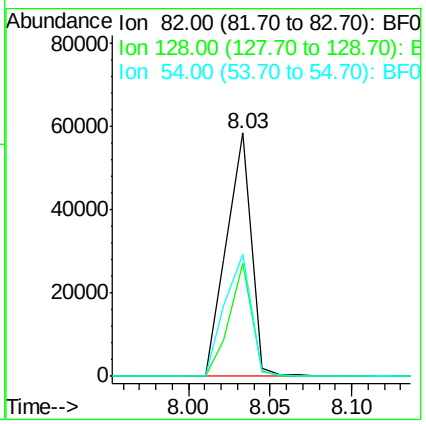


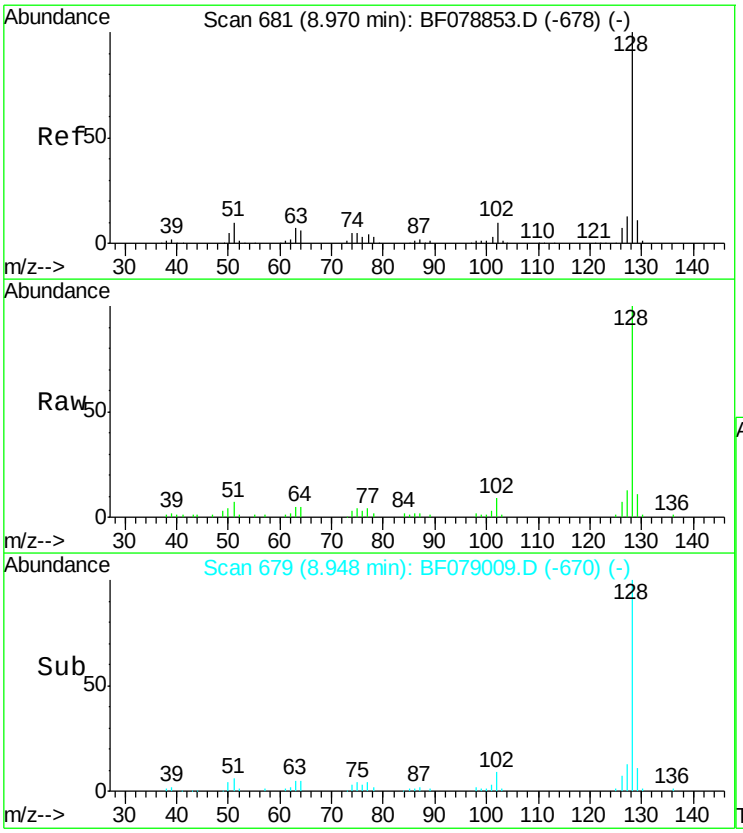
#23
Nitrobenzene-d5
Concen: 14.63 ng
RT: 8.03 min Scan# 599
Delta R.T. 0.00 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion: 82 Resp: 61135

Ion	Ratio	Lower	Upper
82	100		
128	46.4	30.0	45.0#
54	50.2	46.4	69.6

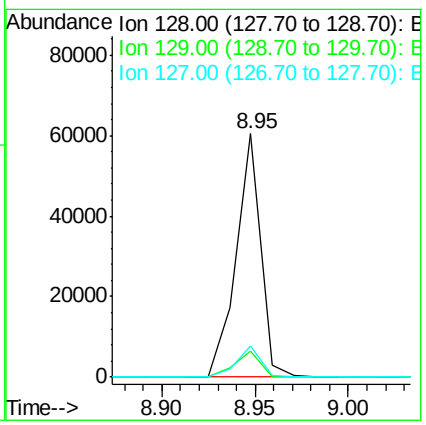


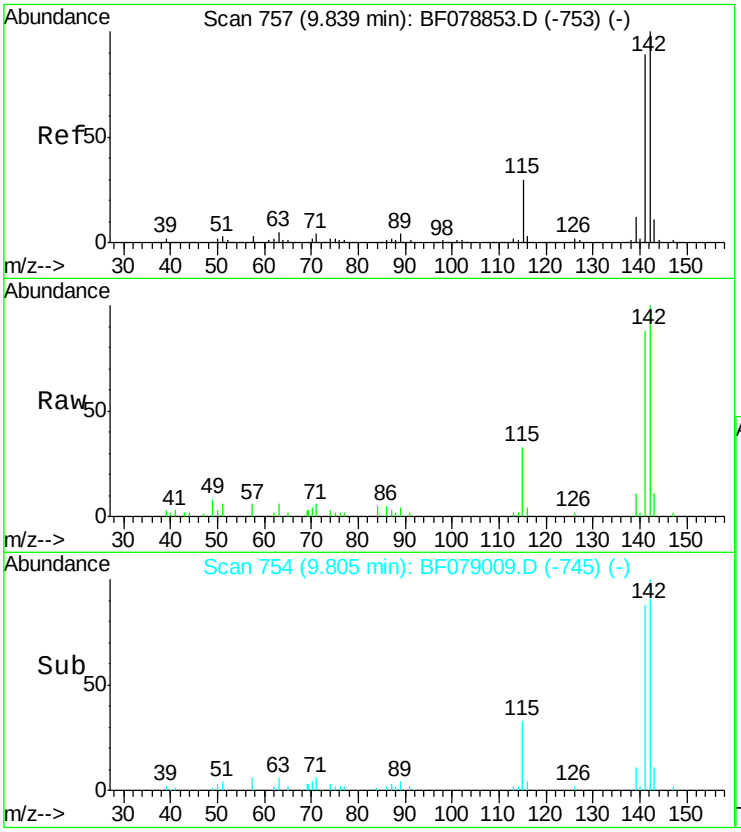


#31
Naphthalene
Concen: 4.87 ng
RT: 8.95 min Scan# 679
Delta R.T. 0.00 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:128 Resp: 55758

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.3	13.9
127	12.9	10.7	16.1



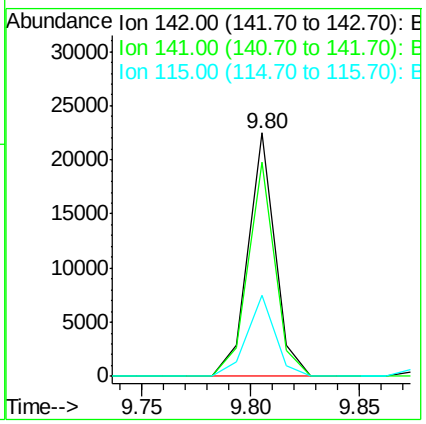


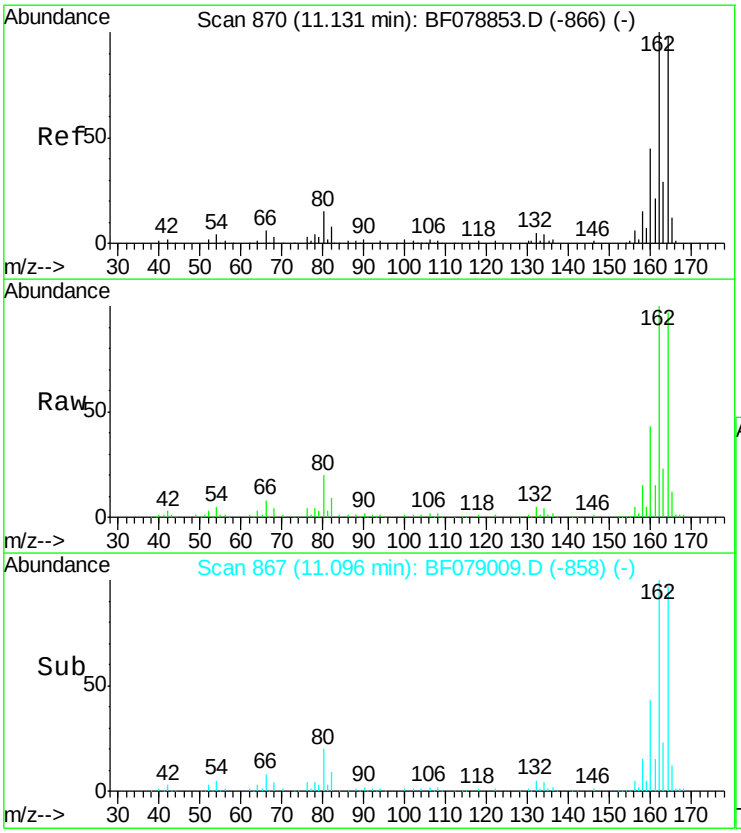
#37
2-Methylnaphthalene
Concen: 2.44 ng
RT: 9.80 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion:142 Resp: 19377

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.9	106.3
115	33.2	28.5	42.7

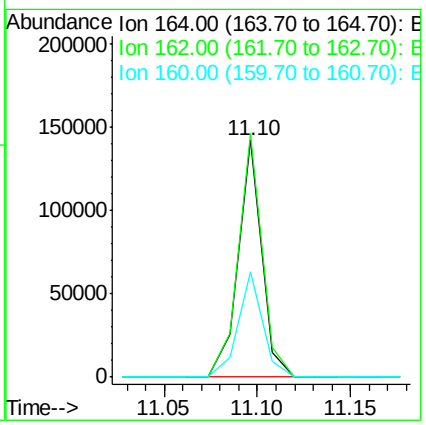


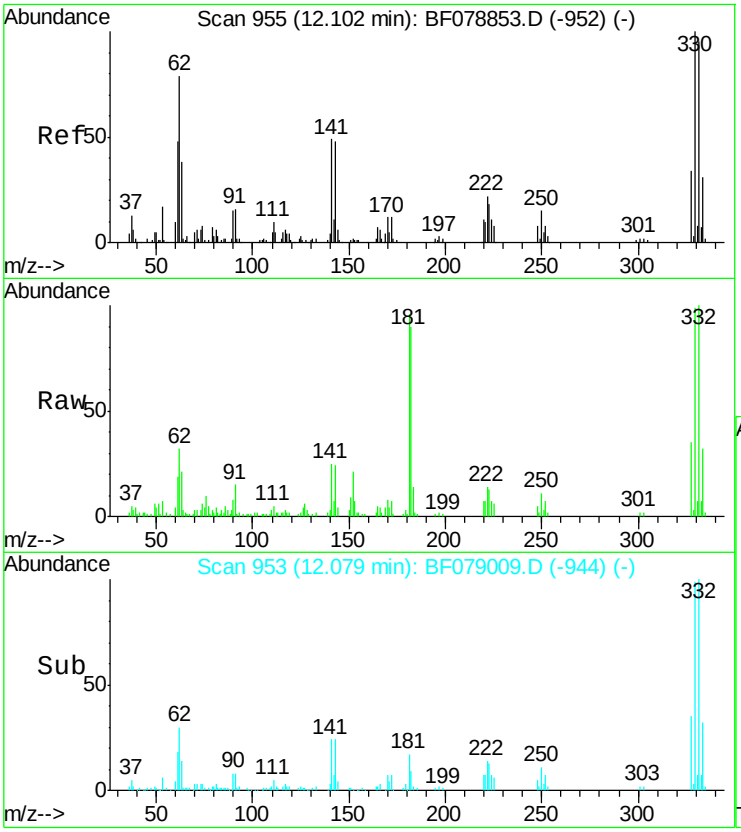


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 867
Delta R.T. 0.00 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:164 Resp: 125855

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.7	124.1
160	44.5	35.8	53.8



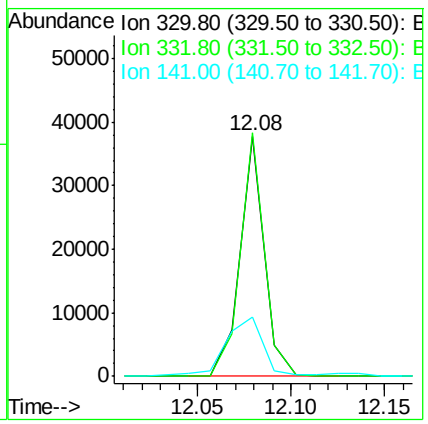


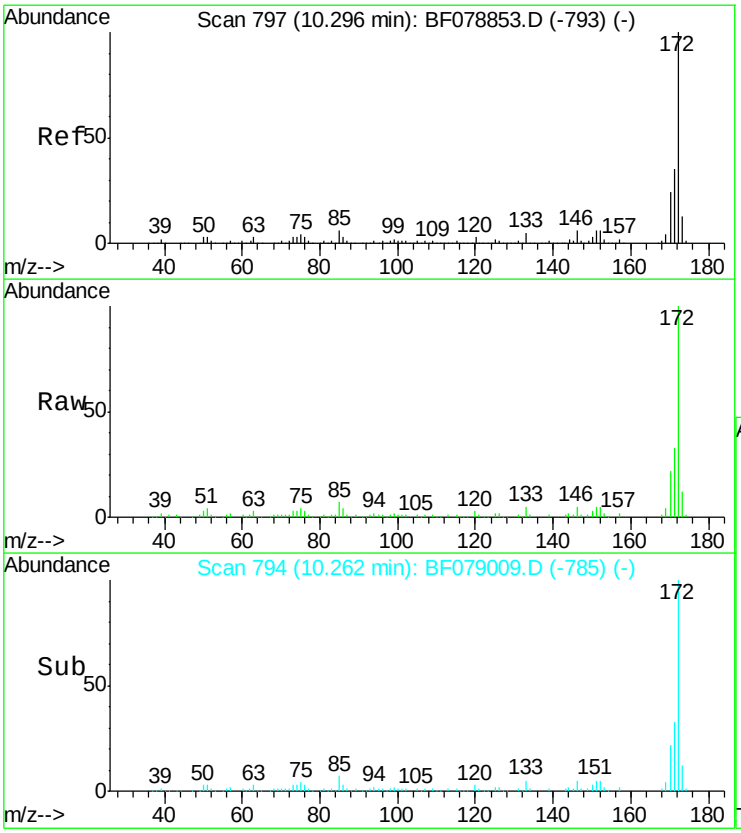
#41
2,4,6-Tribromophenol
Concen: 25.36 ng
RT: 12.08 min Scan# 953
Delta R.T. 0.00 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion:330 Resp: 34532

Ion	Ratio	Lower	Upper
330	100		
332	99.6	0.0	0.0#
141	39.1	0.0	0.0#

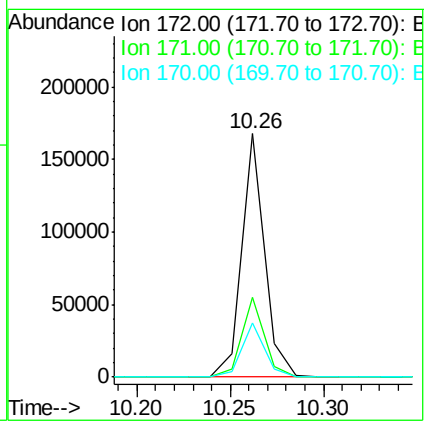


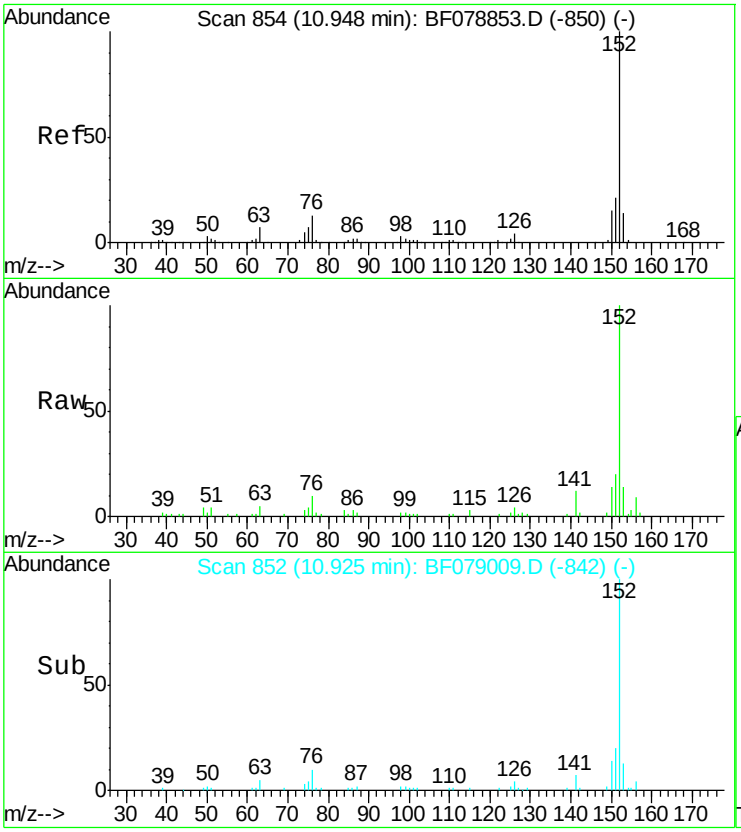


#44
2-Fluorobiphenyl
Concen: 15.84 ng
RT: 10.26 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:172 Resp: 143073

Ion	Ratio	Lower	Upper
172	100		
171	32.9	27.9	41.9
170	22.2	19.4	29.0



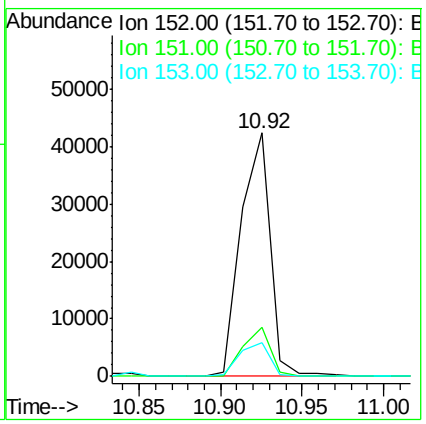


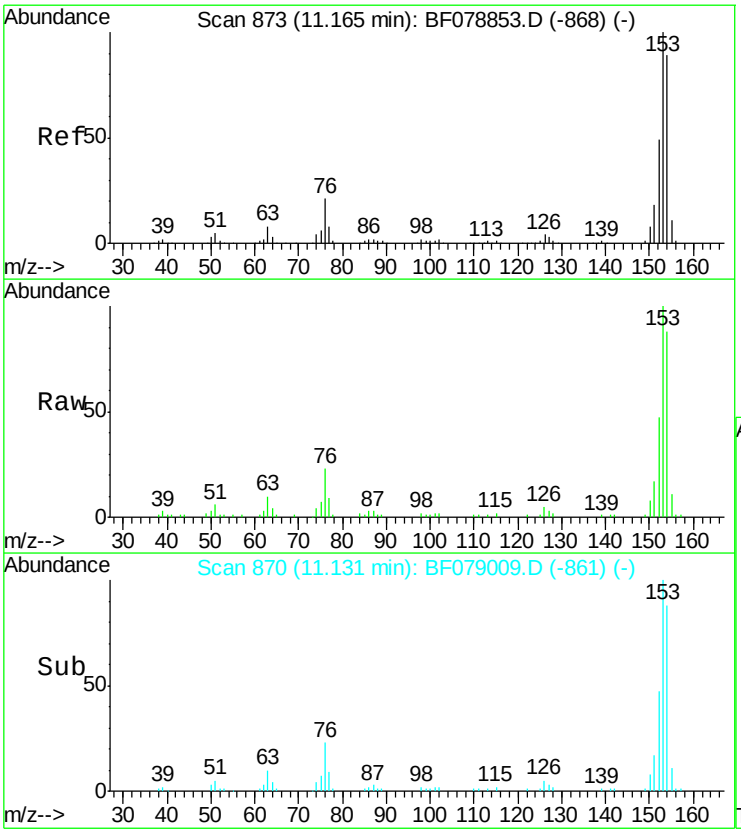
#48
Acenaphthylene
Concen: 4.10 ng
RT: 10.92 min Scan# 852
Delta R.T. 0.01 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion:152 Resp: 52595

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.4
153	14.1	10.9	16.3

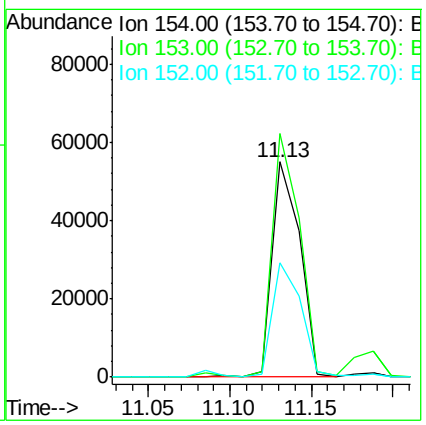


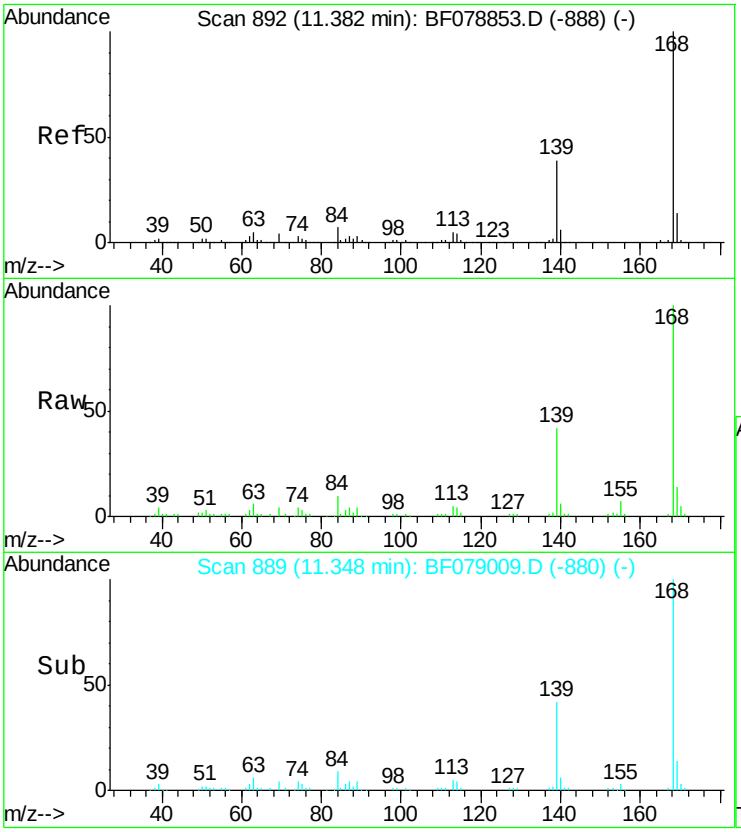


#51
Acenaphthene
Concen: 8.53 ng
RT: 11.13 min Scan# 870
Delta R.T. 0.00 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:154 Resp: 65211

Ion	Ratio	Lower	Upper
154	100		
153	113.2	91.5	137.3
152	52.9	44.2	66.4



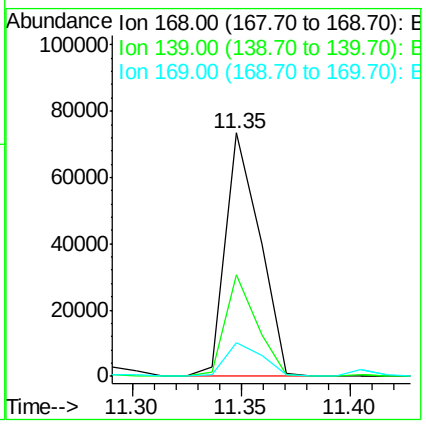


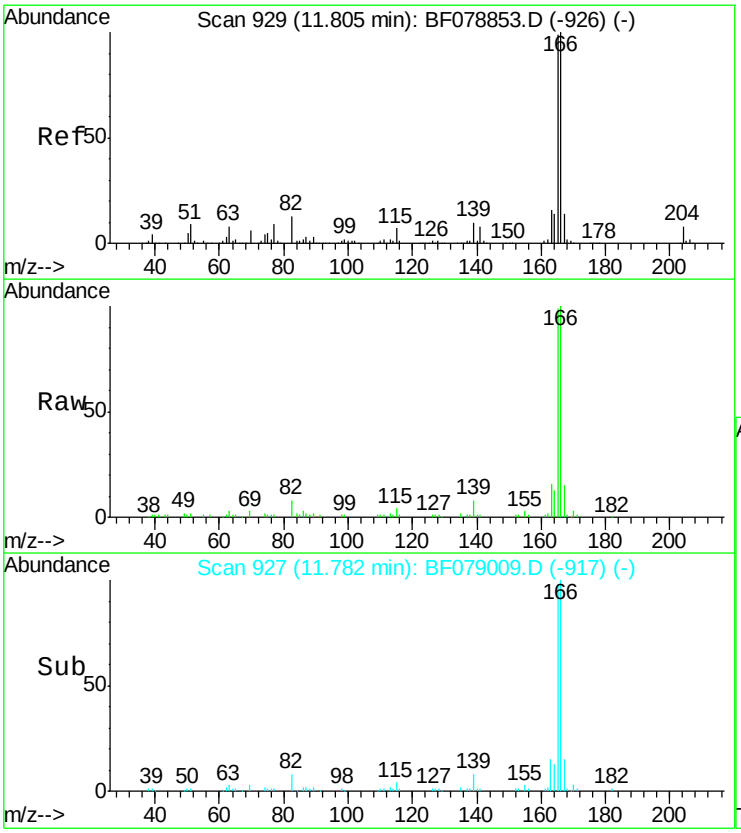
#54
Dibenzofuran
Concen: 7.26 ng
RT: 11.35 min Scan# 889
Delta R.T. 0.00 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion:168 Resp: 80118

Ion	Ratio	Lower	Upper
168	100		
139	41.5	31.0	46.4
169	14.1	10.6	16.0

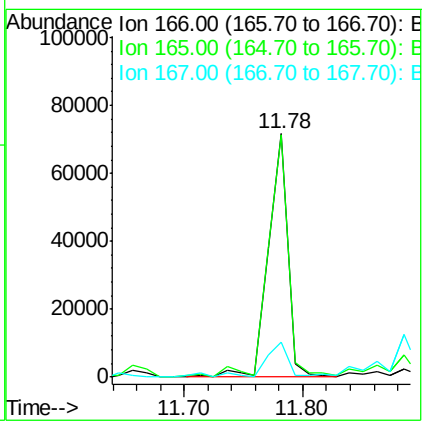


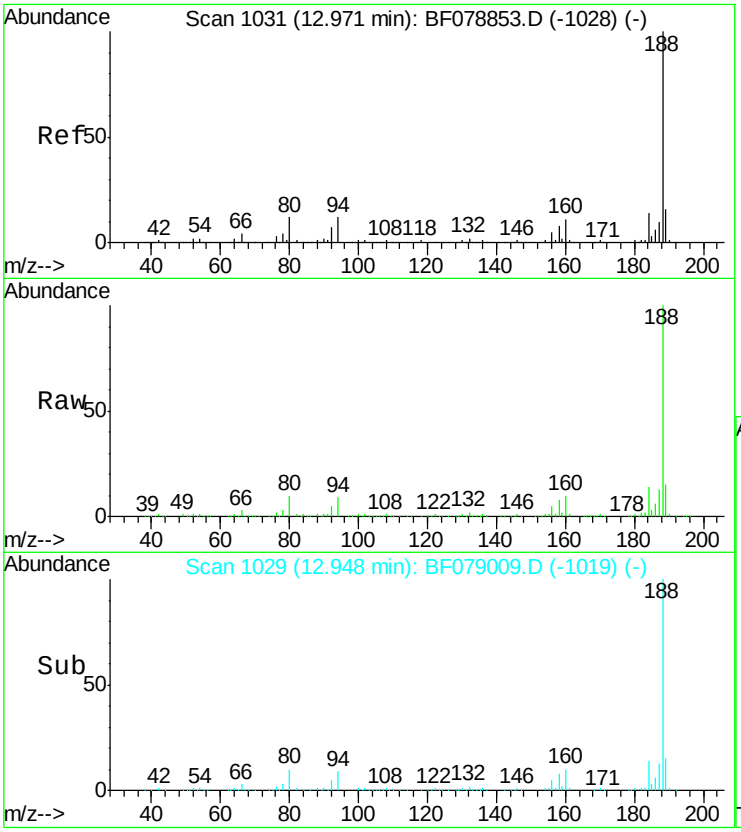


#57
Fluorene
Concen: 9.03 ng
RT: 11.78 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:166 Resp: 81833

Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.5	117.7
167	14.6	11.0	16.6



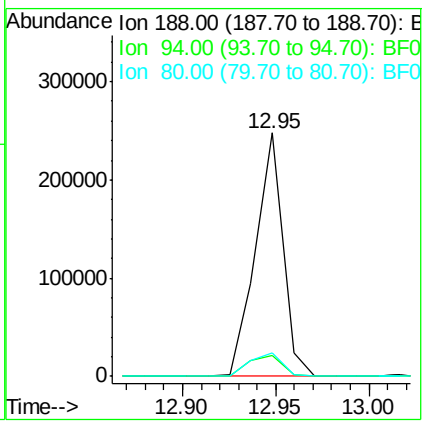


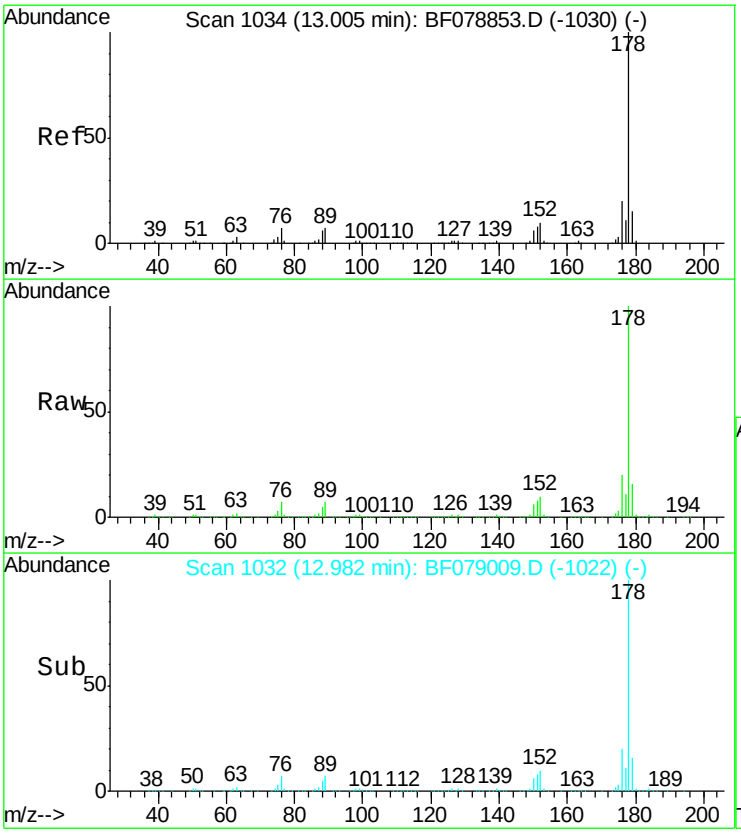
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion:188 Resp: 252430

Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.2	12.2
80	9.5	8.9	13.3

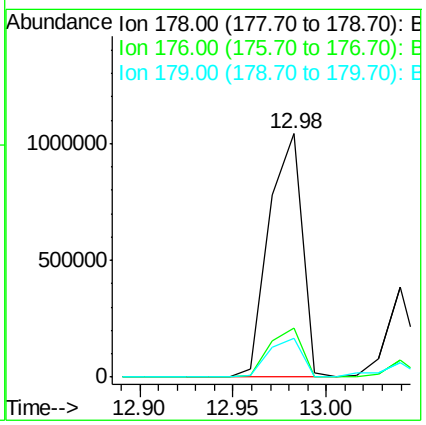


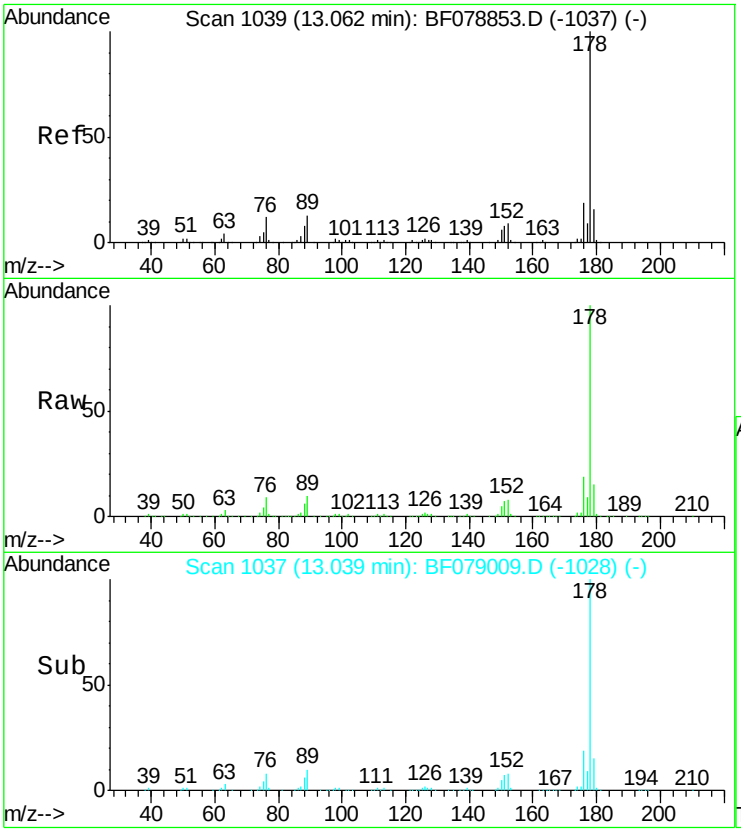


#70
Phenanthrene
Concen: 91.37 ng
RT: 12.98 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:178 Resp: 1290273

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	15.9	12.5	18.7



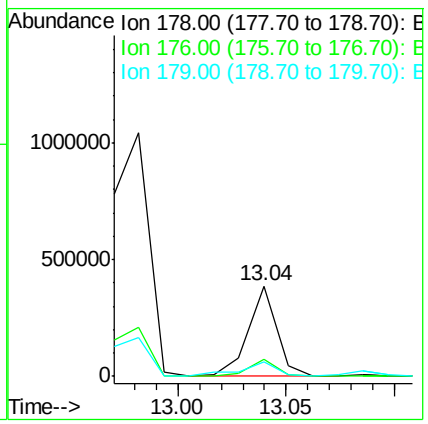


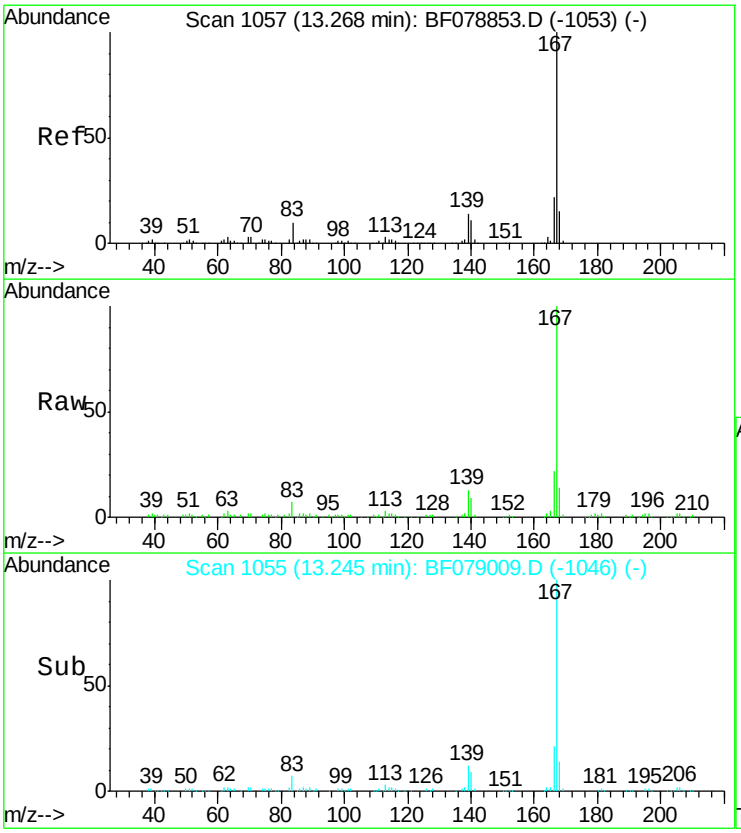
#71
Anthracene
Concen: 25.46 ng
RT: 13.04 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion:178 Resp: 352725

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	15.5	12.7	19.1

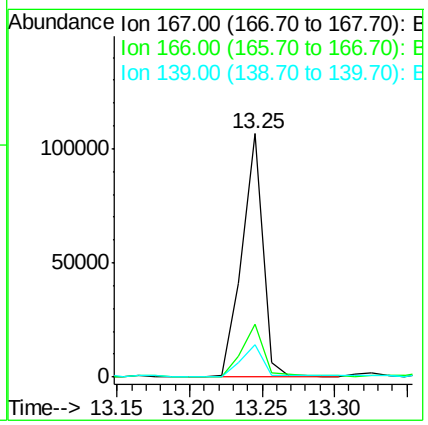


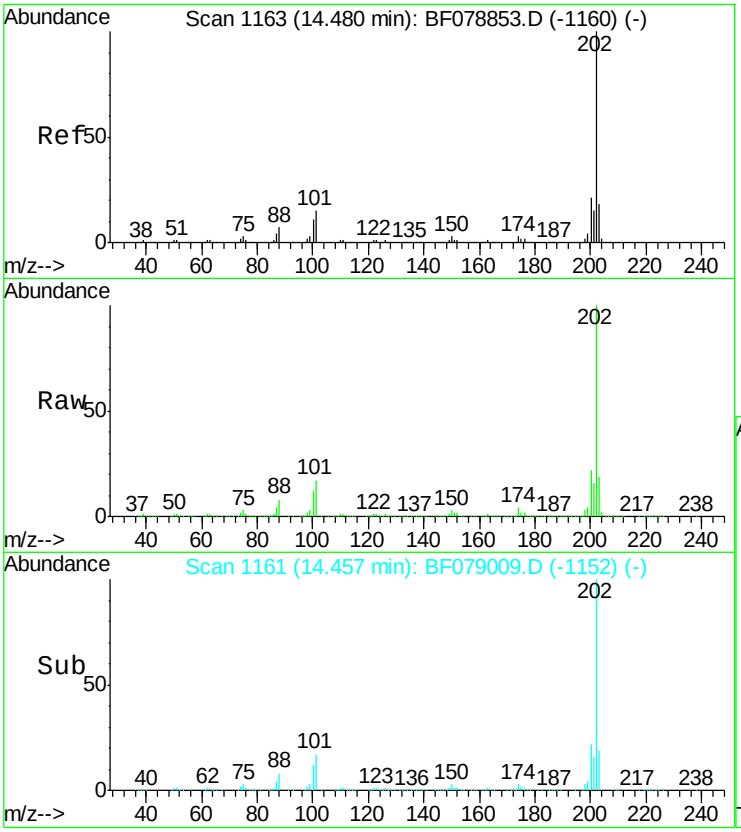


#72
Carbazole
Concen: 8.18 ng
RT: 13.25 min Scan# 1055
Delta R.T. 0.00 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:167 Resp: 108011

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.8	26.8
139	13.4	10.6	16.0



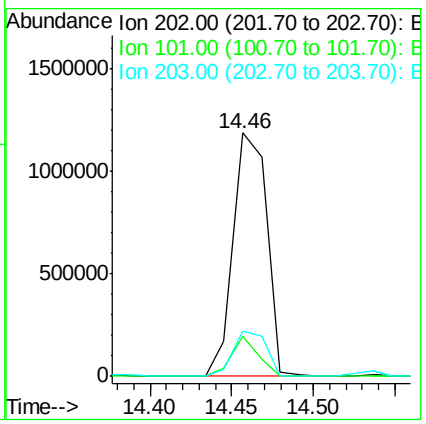


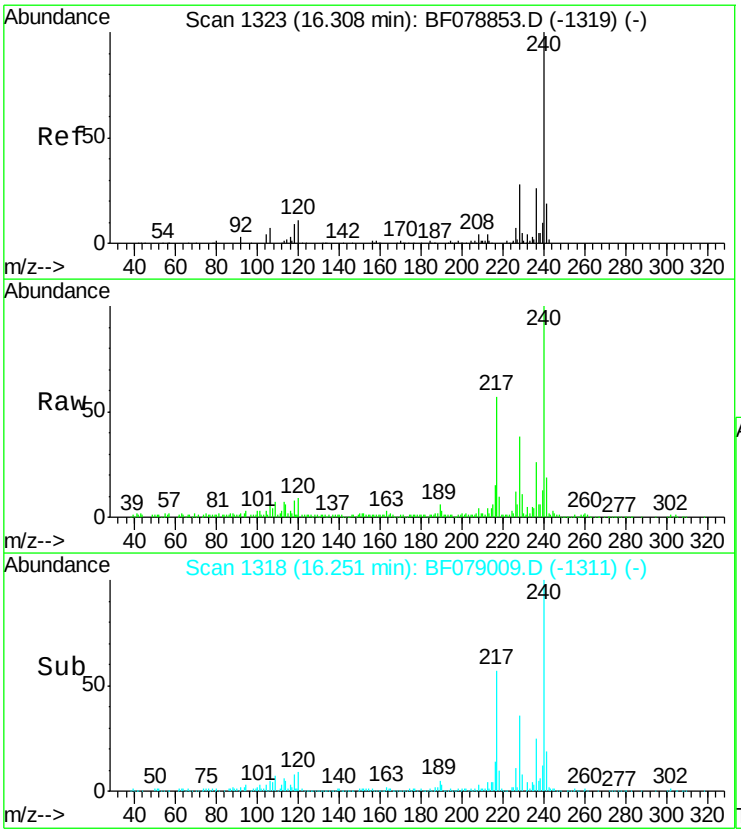
#74
Fluoranthene
Concen: 114.32 ng
RT: 14.46 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion:202 Resp: 1682202

Ion	Ratio	Lower	Upper
202	100		
101	16.6	0.0	34.6
203	18.8	0.0	38.4

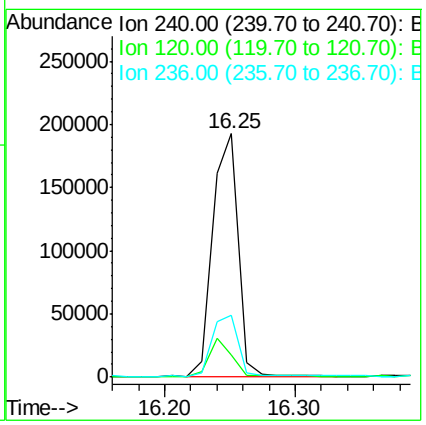


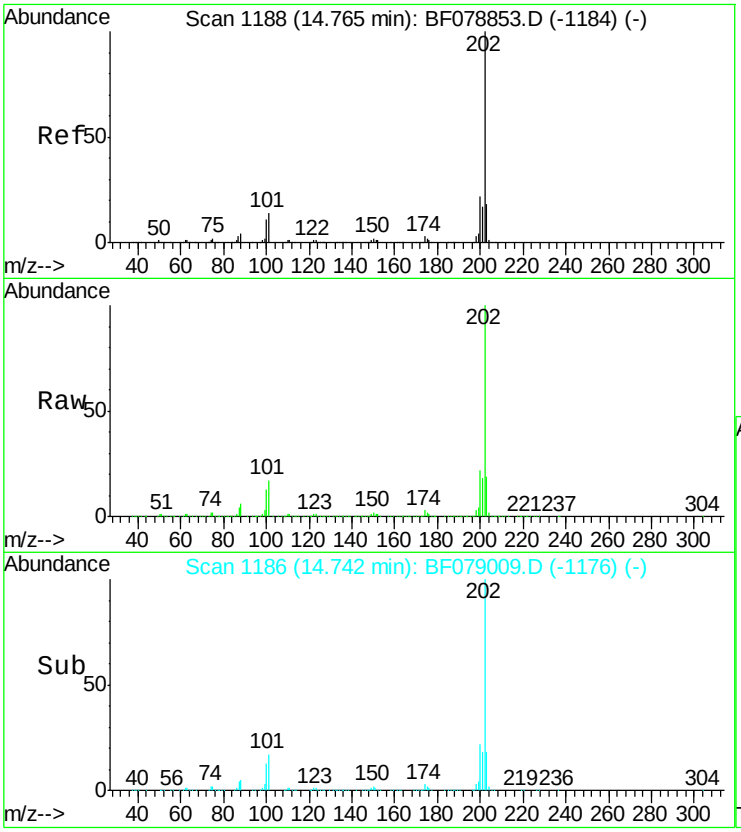


#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:240 Resp: 259986

Ion	Ratio	Lower	Upper
240	100		
120	9.1	9.7	14.5#
236	25.5	20.2	30.4



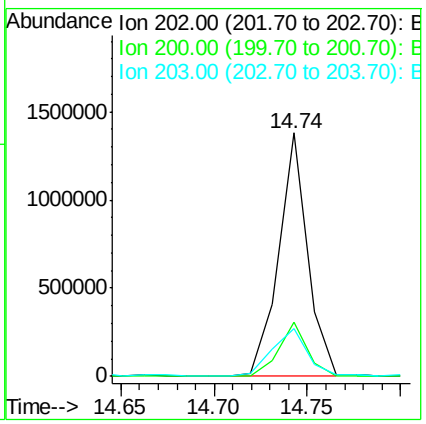


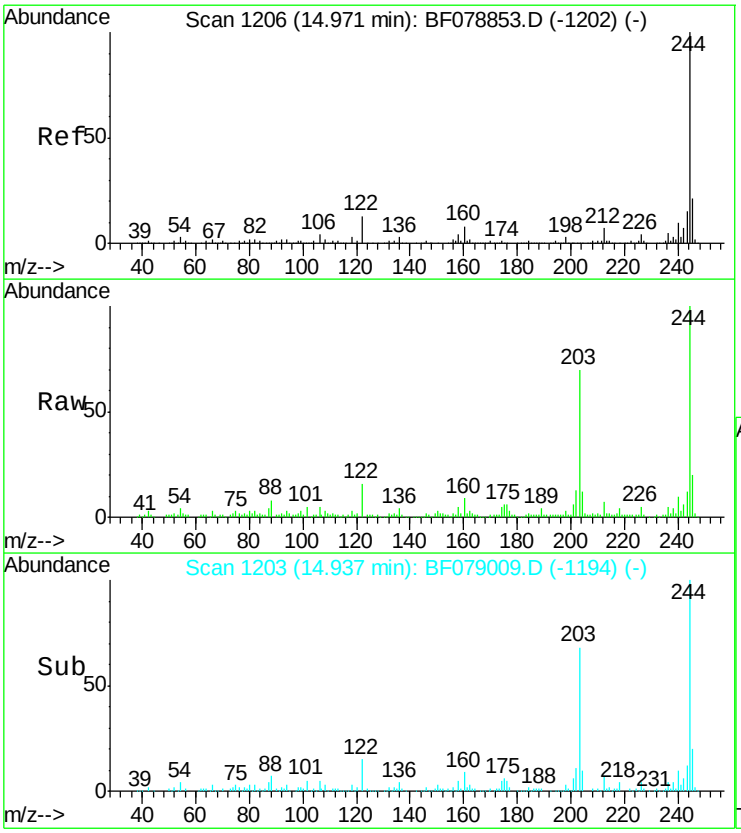
#77
Pyrene
Concen: 99.50 ng
RT: 14.74 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion:202 Resp: 1490662

Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.5	26.3
203	19.5	13.9	20.9

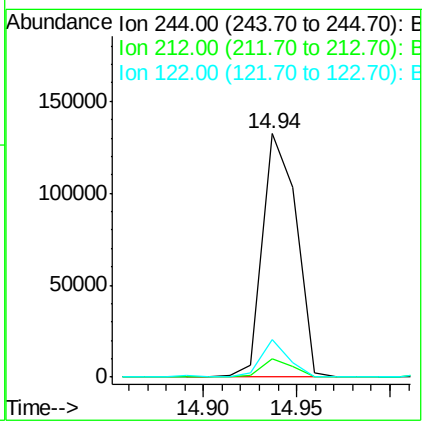


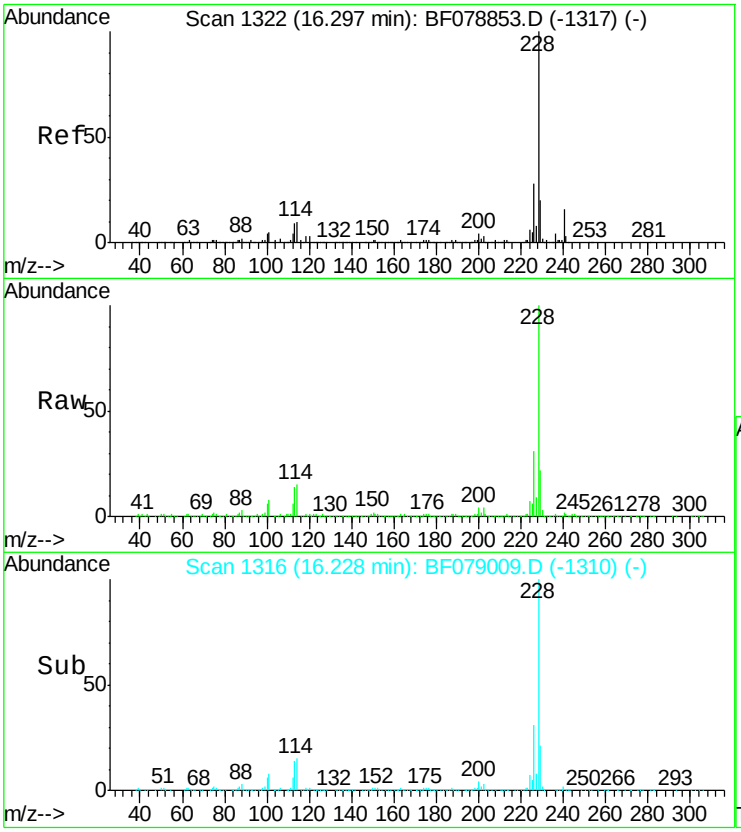


#78
Terphenyl-d14
Concen: 15.50 ng
RT: 14.94 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:244 Resp: 168345

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.6	8.4
122	15.5	10.3	15.5#



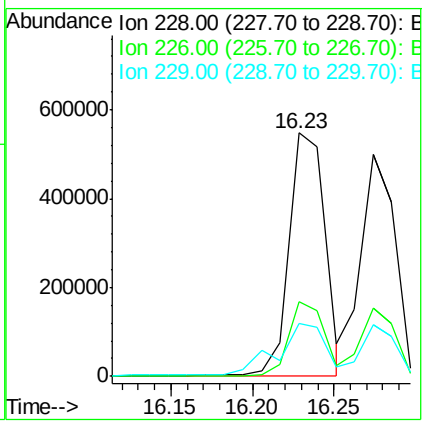


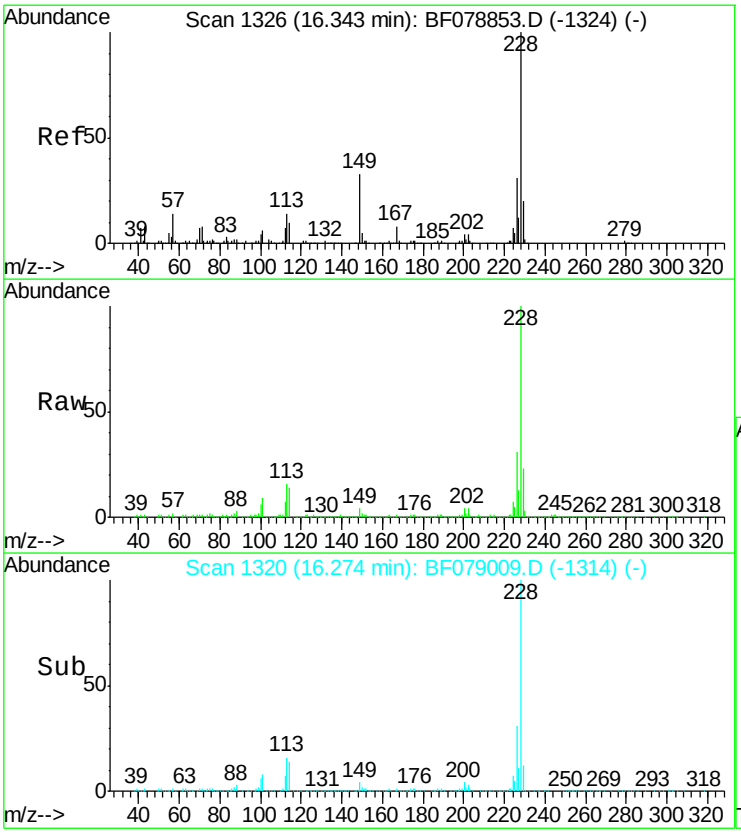
#80
Benzo(a)anthracene
Concen: 58.93 ng
RT: 16.23 min Scan# 1316
Delta R.T. -0.03 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion:228 Resp: 839049

Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	21.6	15.9	23.9

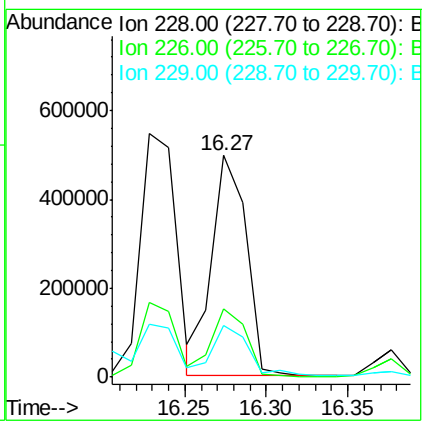


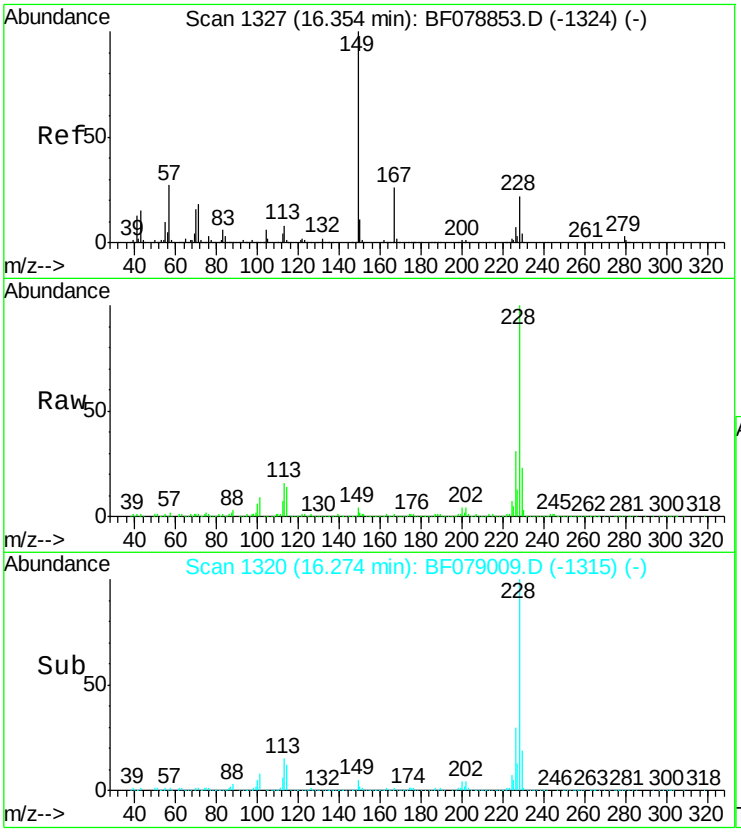


#82
Chrysene
Concen: 52.89 ng
RT: 16.27 min Scan# 1320
Delta R.T. -0.03 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:228 Resp: 724266

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	23.4	16.0	24.0



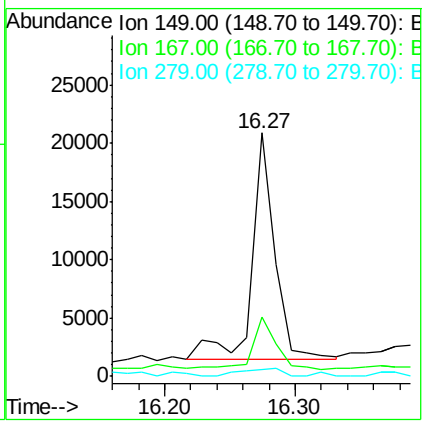


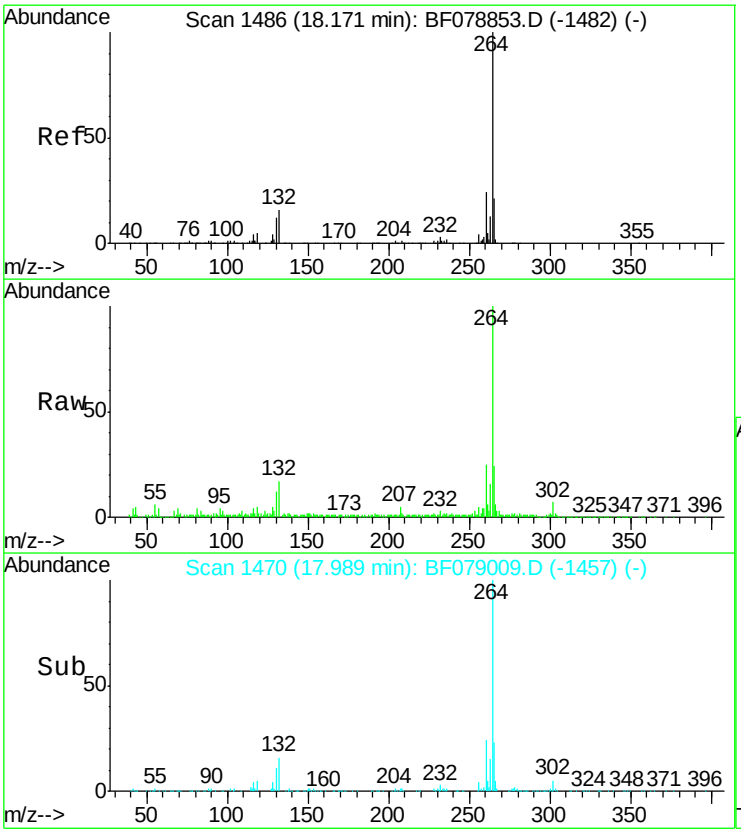
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.38 ng
RT: 16.27 min Scan# 1320
Delta R.T. -0.05 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion:149 Resp: 23579

Ion	Ratio	Lower	Upper
149	100		
167	24.5	21.8	32.8
279	2.7	2.9	4.3#

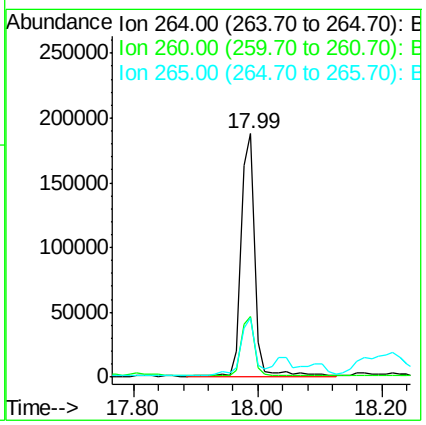


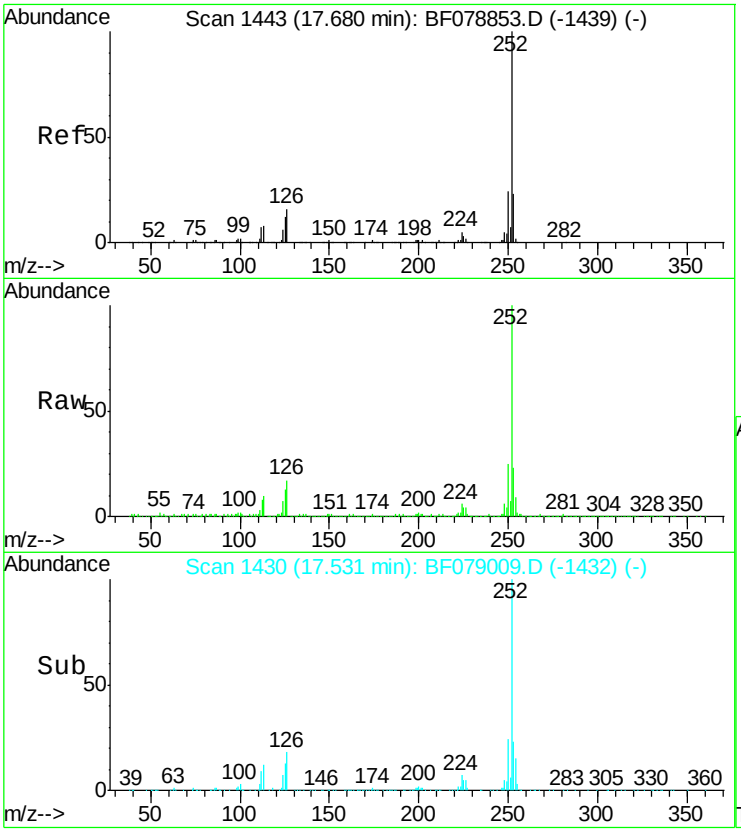


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.99 min Scan# 1470
Delta R.T. -0.15 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:264 Resp: 288445

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	24.1	18.3	27.5



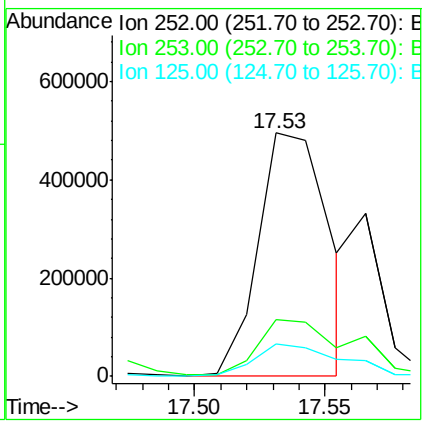


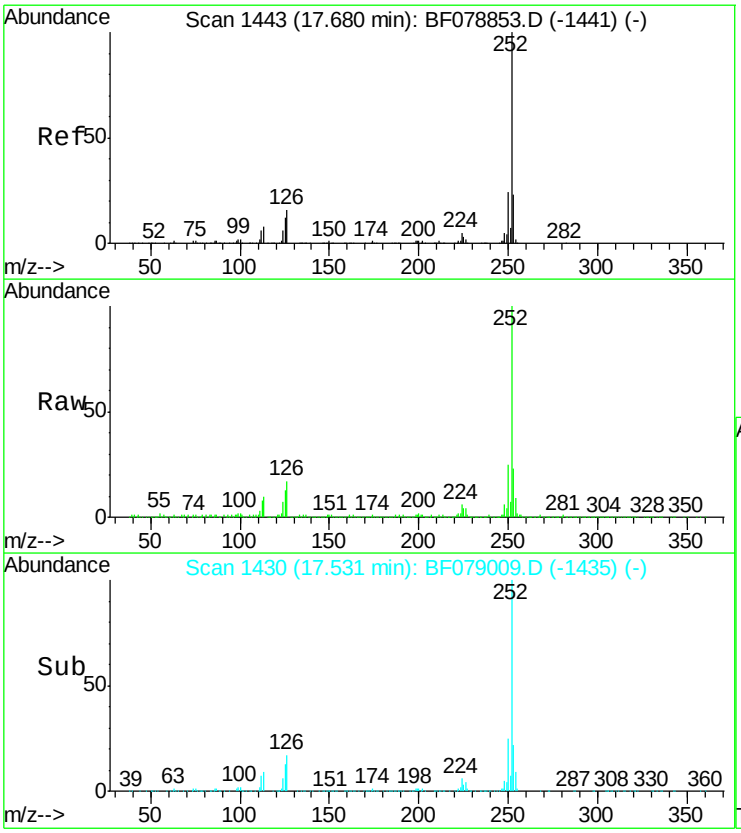
#87
Benzo(b)fluoranthene
Concen: 58.74 ng
RT: 17.53 min Scan# 1430
Delta R.T. -0.13 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion:252 Resp: 927397

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	13.3	9.5	14.3

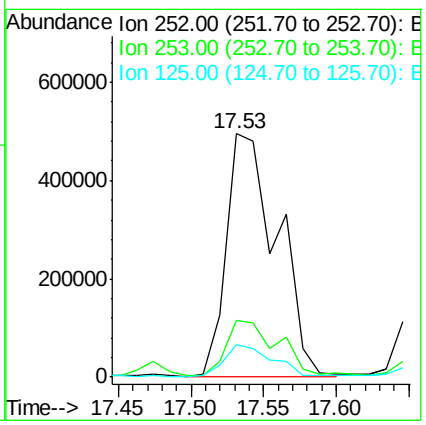


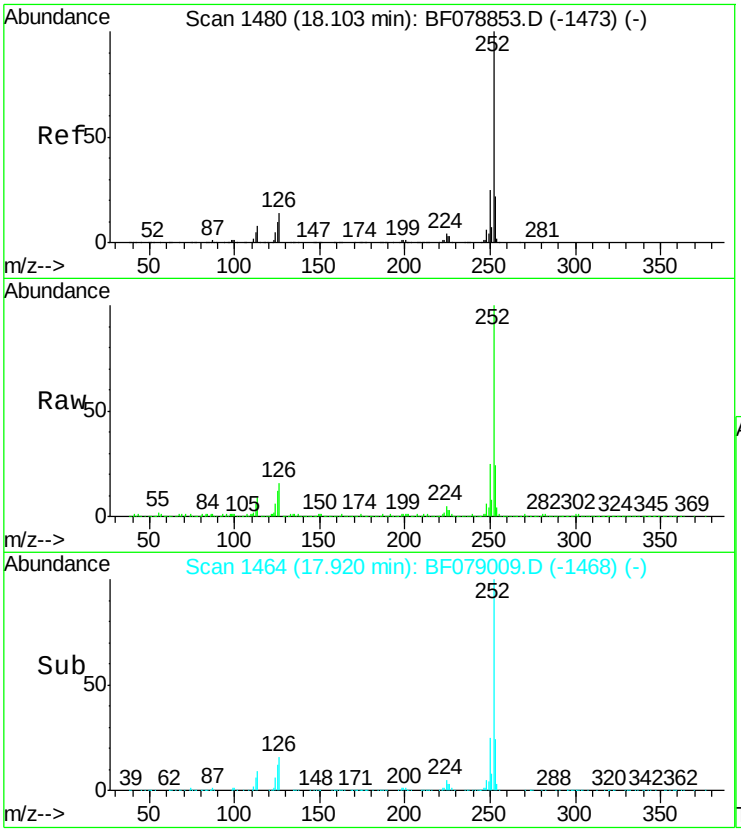


#88
Benzo(k)fluoranthene
Concen: 78.41 ng
RT: 17.53 min Scan# 1430
Delta R.T. -0.16 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:252 Resp: 1198489

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	13.3	10.0	15.0



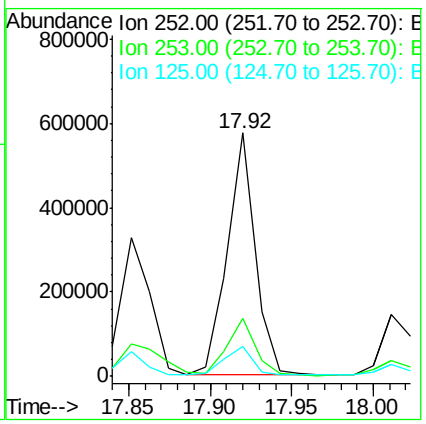


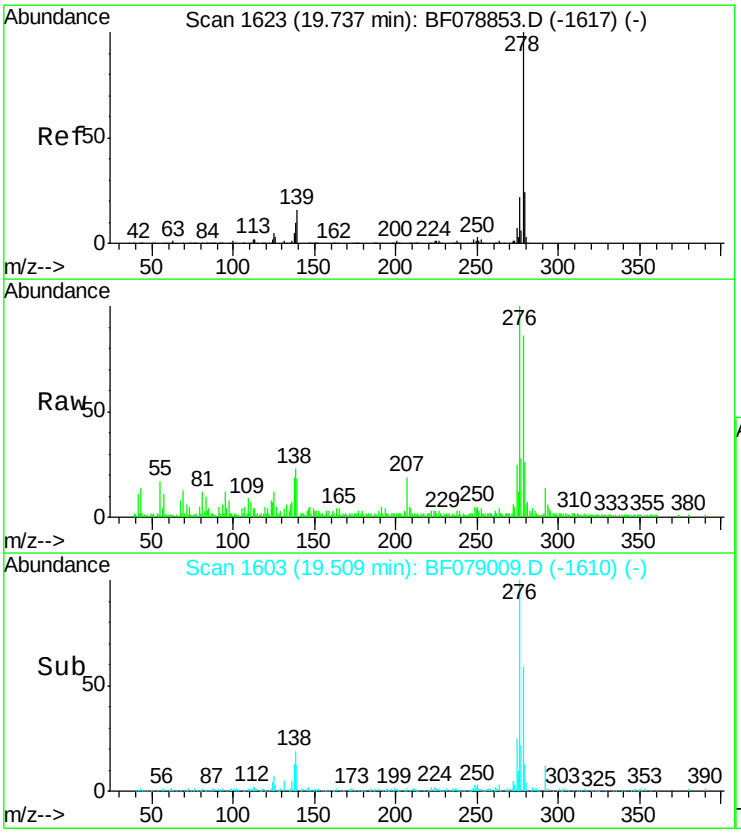
#89
Benzo(a)pyrene
Concen: 46.24 ng
RT: 17.92 min Scan# 1464
Delta R.T. -0.15 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion:252 Resp: 672237

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.3	25.9
125	12.1	7.0	10.6#

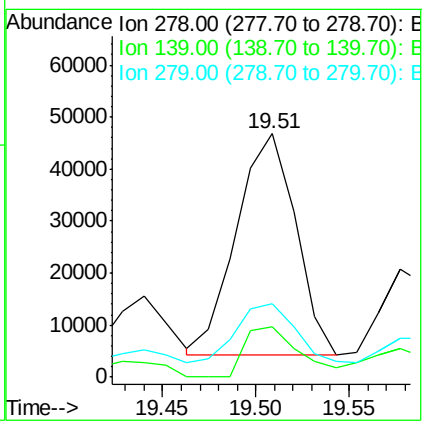


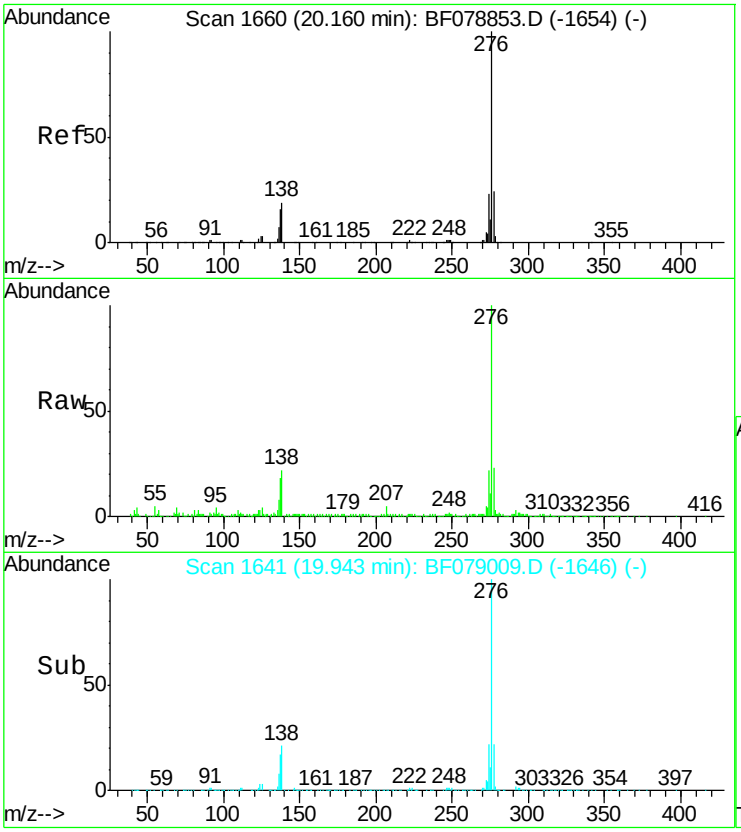


#90
Dibenzo(a,h)anthracene
Concen: 6.09 ng
RT: 19.51 min Scan# 1603
Delta R.T. -0.18 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Tgt Ion:278 Resp: 94082

Ion	Ratio	Lower	Upper
278	100		
139	20.6	12.8	19.2#
279	30.2	19.6	29.4#





#91
Benzo(g,h,i)perylene
Concen: 24.83 ng
RT: 19.94 min Scan# 1641
Delta R.T. -0.16 min
Lab File: BF079009.D
Acq: 7 May 2015 21:32

Instrument :
BNA_F
ClientSampleId :
SB-44S

Tgt Ion:276 Resp: 384569

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	21.8	17.4	26.0