Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050715\
Data File : BF079008.D
Acq On : 7 May 2015 21:04
Operator : TP/IZ
Sample : G2116-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51S

Quant Time: May 08 01:08:38 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	55971	20.00	ng		0.01
21) Naphthalene-d8	8.92	136	233959	20.00	ng		0.01
38) Acenaphthene-d10	11.10	164	120213	20.00	ng		0.00
63) Phenanthrene-d10	12.95	188	238555	20.00	ng		0.01
75) Chrysene-d12	16.25	240	272667	20.00	ng		-0.02
86) Perylene-d12	18.02	264	289202	20.00	ng		-0.11
System Monitoring Compounds							
5) 2-Fluorophenol	5.64	112	55189	16.97	ng		0.01
7) Phenol-d6	6.90	99	72514	16.87	ng		0.01
23) Nitrobenzene-d5	8.03	82	37528	9.22	ng		0.00
41) 2,4,6-Tribromophenol	12.08	330	19502	15.00	ng		0.00
44) 2-Fluorobiphenyl	10.26	172	82808	9.60	ng		0.00
78) Terphenyl-d14	14.94	244	99973	8.78	ng		0.00
Target Compounds							Qvalue
32) Benzoic acid	8.57	122	1016	6.73	ng		93
48) Acenaphthylene	10.92	152	42762	3.49	ng		100
51) Acenaphthene	11.13	154	31523	4.32	ng		98
54) Dibenzofuran	11.35	168	26962	2.56	ng		95
57) Fluorene	11.78	166	48630	5.62	ng		95
70) Phenanthrene	12.97	178	681519	51.07	ng		99
71) Anthracene	13.04	178	162679	12.43	ng		98
72) Carbazole	13.25	167	52120	4.18	ng		98
74) Fluoranthene	14.46	202	902354	64.89	ng		99
77) Pyrene	14.74	202	861993	54.86	ng		99
80) Benzo(a)anthracene	16.24	228	462893	31.00	ng		98
82) Chrysene	16.29	228	344553	23.99	ng		97
87) Benzo(b)fluoranthene	17.57	252	645301	40.77	ng		99
88) Benzo(k)fluoranthene	17.57	252	656899	42.87	ng		99
89) Benzo(a)pyrene	17.95	252	367842	25.24	ng	#	95
90) Dibenzo(a,h)anthracene	19.54	278	48551	3.13	ng	#	88
91) Benzo(g,h,i)perylene	19.98	276	216072	13.92	ng		99

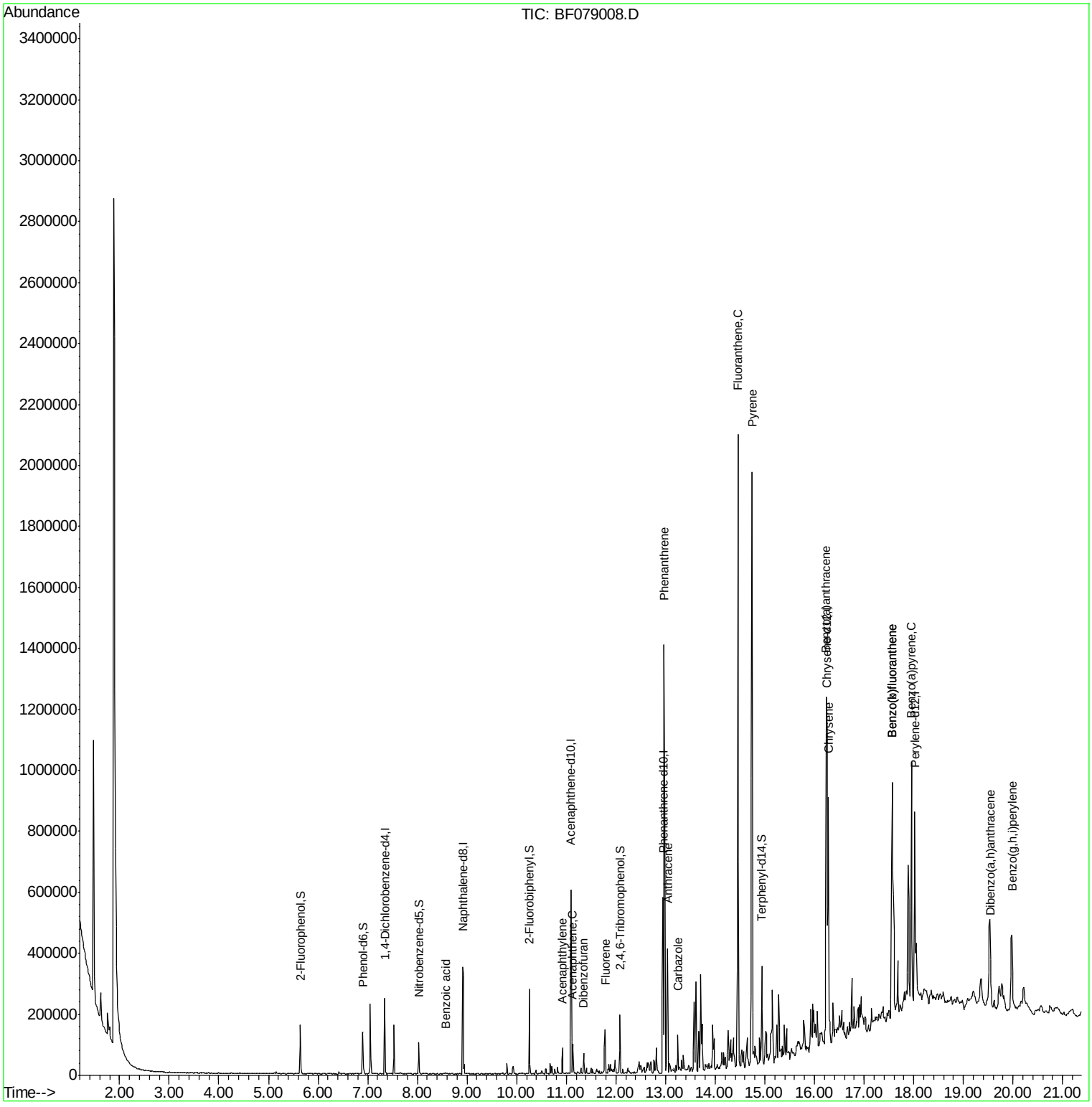
(#) = qualifier out of range (m) = manual integration (+) = signals summed

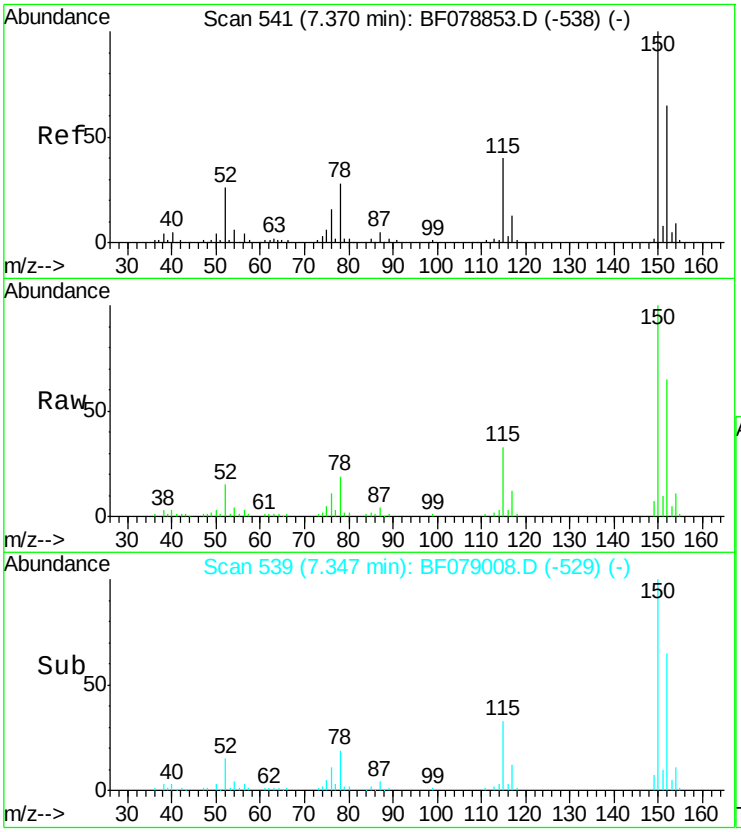
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050715\
Data File : BF079008.D
Acq On : 7 May 2015 21:04
Operator : TP/IZ
Sample : G2116-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-51S

Quant Time: May 08 01:08:38 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



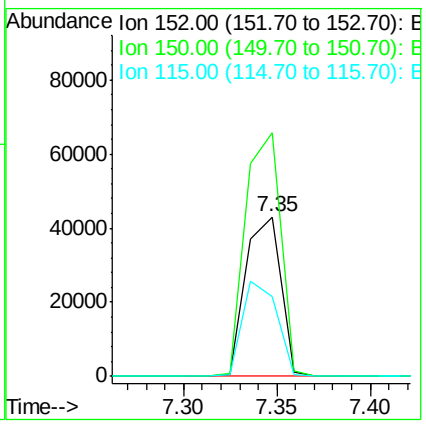


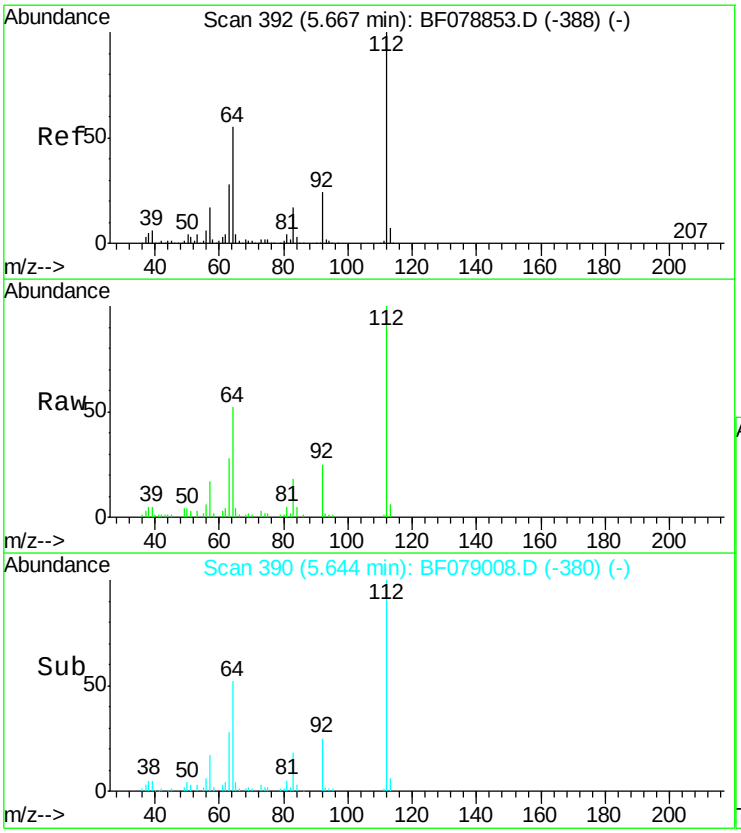
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.01 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion:152 Resp: 55971

Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.0	183.0
115	50.5	46.3	69.5

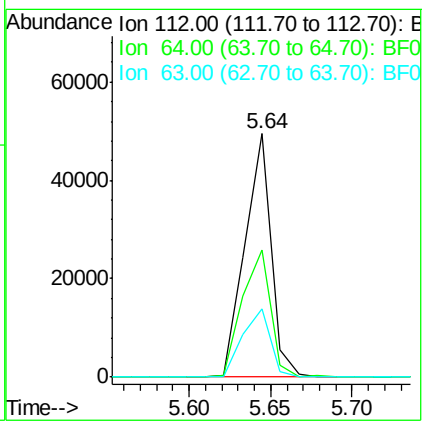


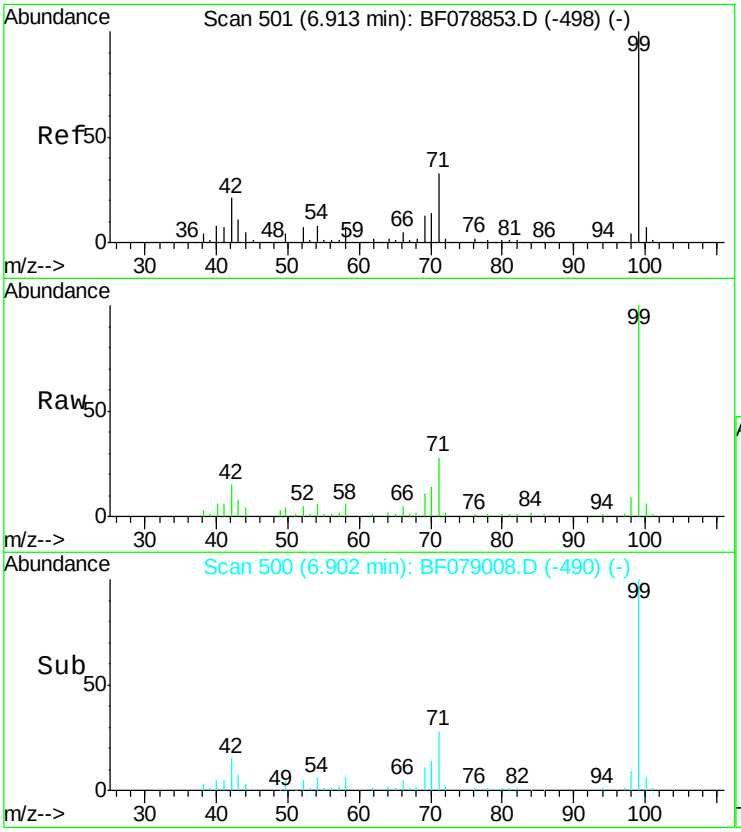


#5
2-Fluorophenol
Concen: 16.97 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Tgt Ion:112 Resp: 55189

Ion	Ratio	Lower	Upper
112	100		
64	52.1	53.5	80.3#
63	27.8	27.5	41.3



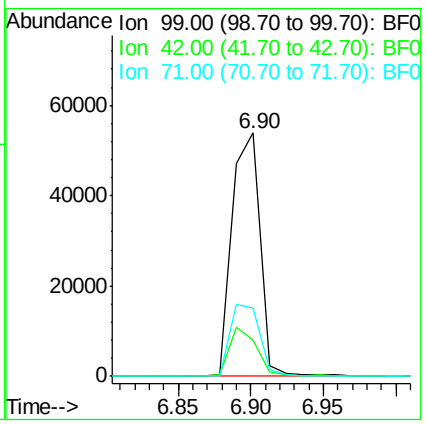


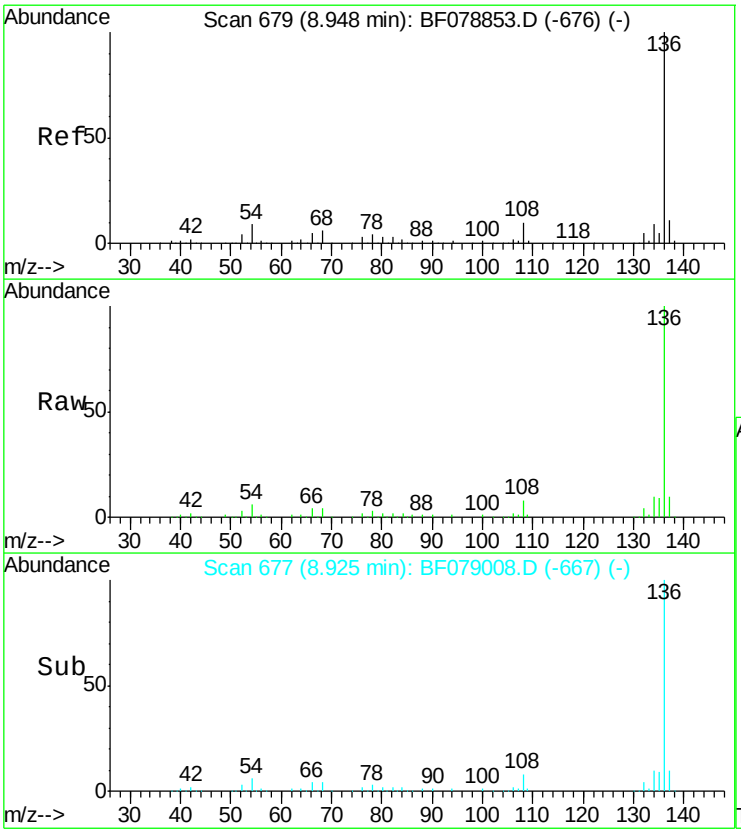
#7
Phenol-d6
Concen: 16.87 ng
RT: 6.90 min Scan# 500
Delta R.T. 0.01 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion: 99 Resp: 72514

Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.8	19.2
71	27.9	23.4	35.2

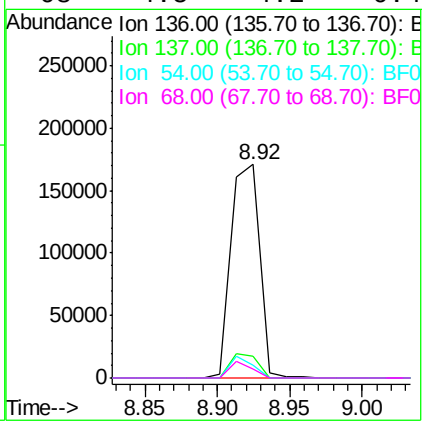


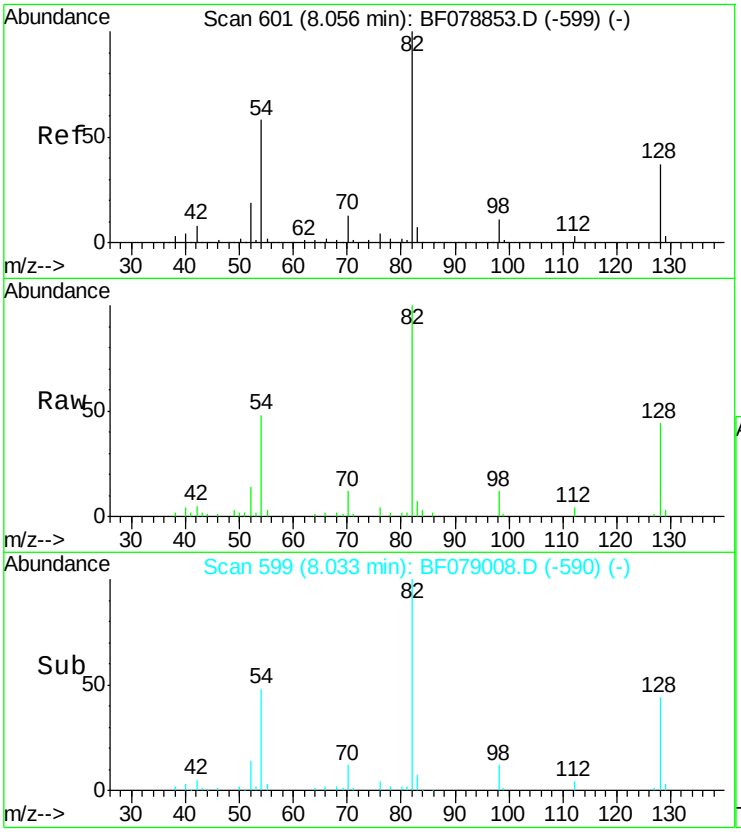


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.92 min Scan# 677
Delta R.T. 0.01 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Tgt Ion:136 Resp: 233959

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.7	13.1
54	5.8	5.8	8.8#
68	4.5	4.2	6.4



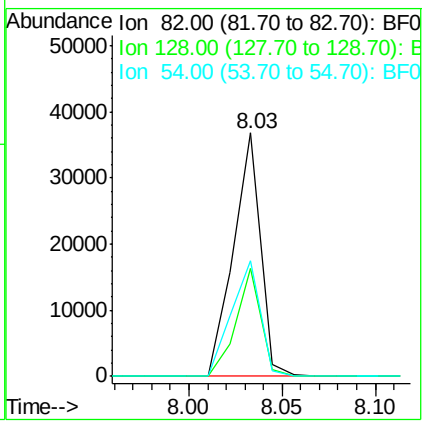


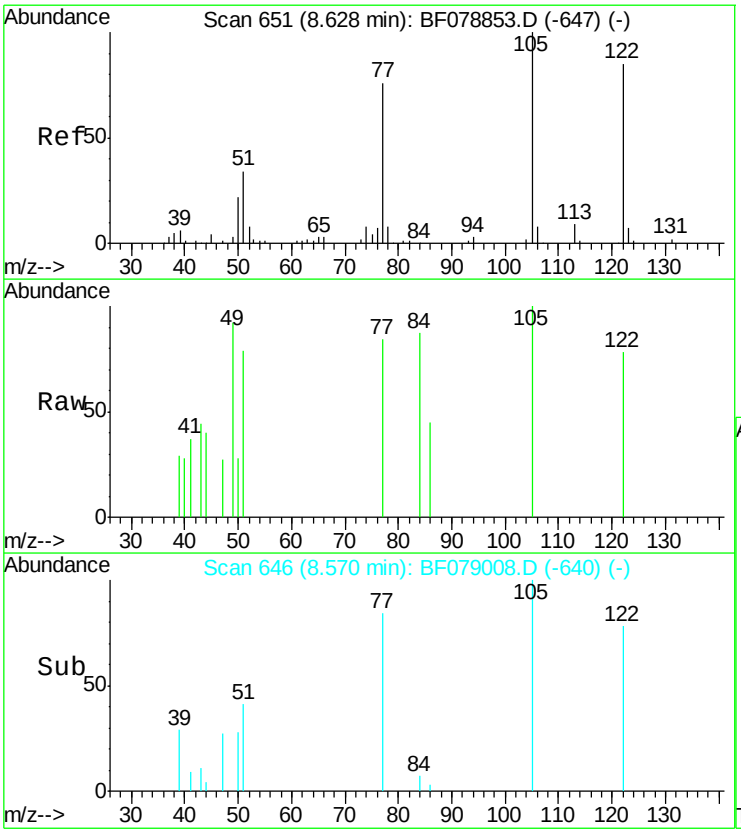
#23
Nitrobenzene-d5
Concen: 9.22 ng
RT: 8.03 min Scan# 599
Delta R.T. -0.00 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion: 82 Resp: 37528

Ion	Ratio	Lower	Upper
82	100		
128	44.2	30.0	45.0
54	47.7	46.4	69.6

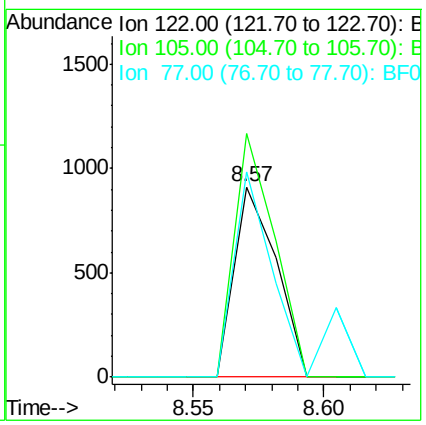


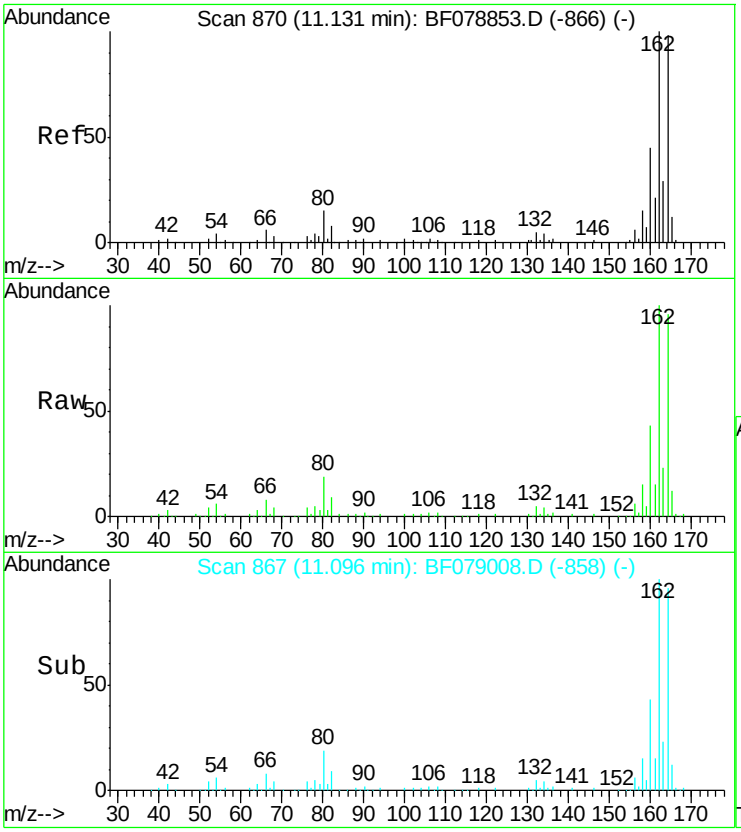


#32
Benzoic acid
Concen: 6.73 ng
RT: 8.57 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Tgt Ion:122 Resp: 1016

Ion	Ratio	Lower	Upper
122	100		
105	128.2	107.1	147.1
77	107.9	73.9	113.9



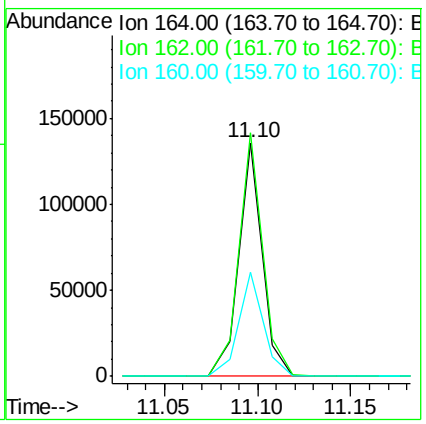


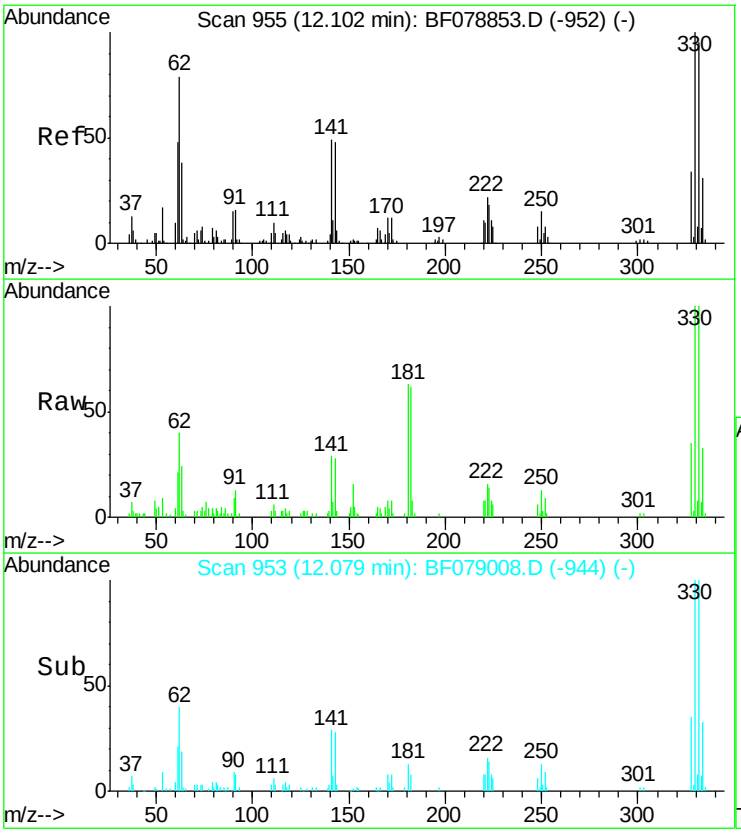
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 867
Delta R.T. -0.00 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion:164 Resp: 120213

Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.7	124.1
160	44.4	35.8	53.8

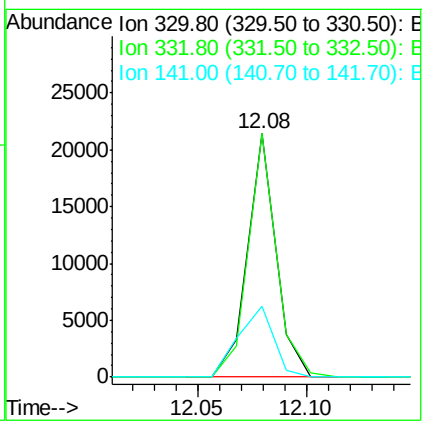


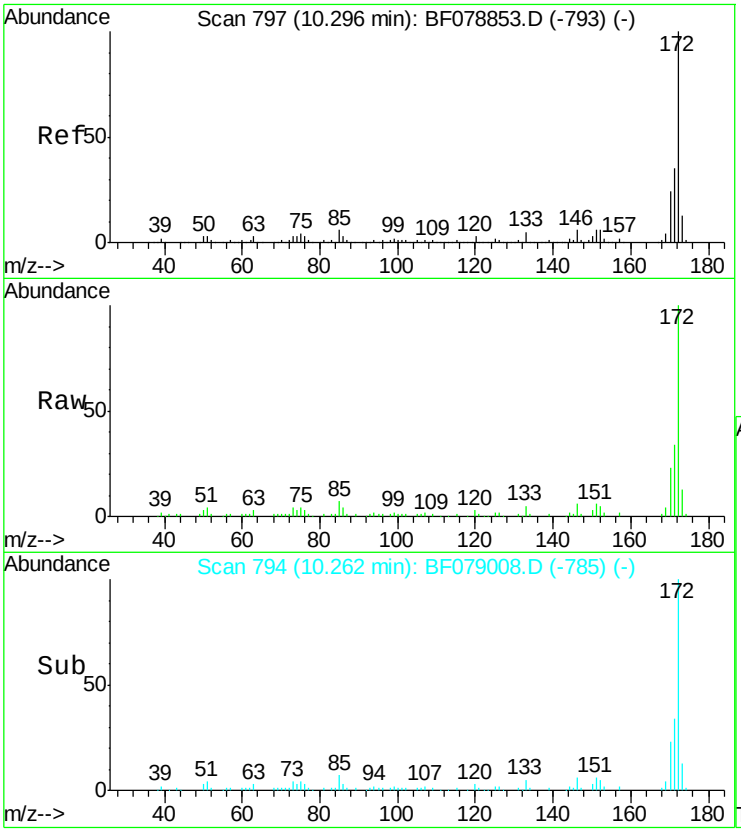


#41
2,4,6-Tribromophenol
Concen: 15.00 ng
RT: 12.08 min Scan# 953
Delta R.T. -0.00 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Tgt Ion:330 Resp: 19502

Ion	Ratio	Lower	Upper
330	100		
332	99.7	0.0	0.0#
141	35.8	0.0	0.0#



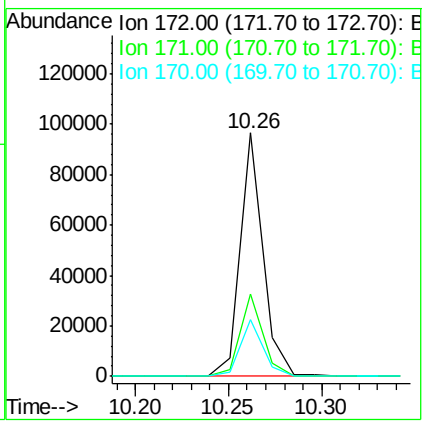


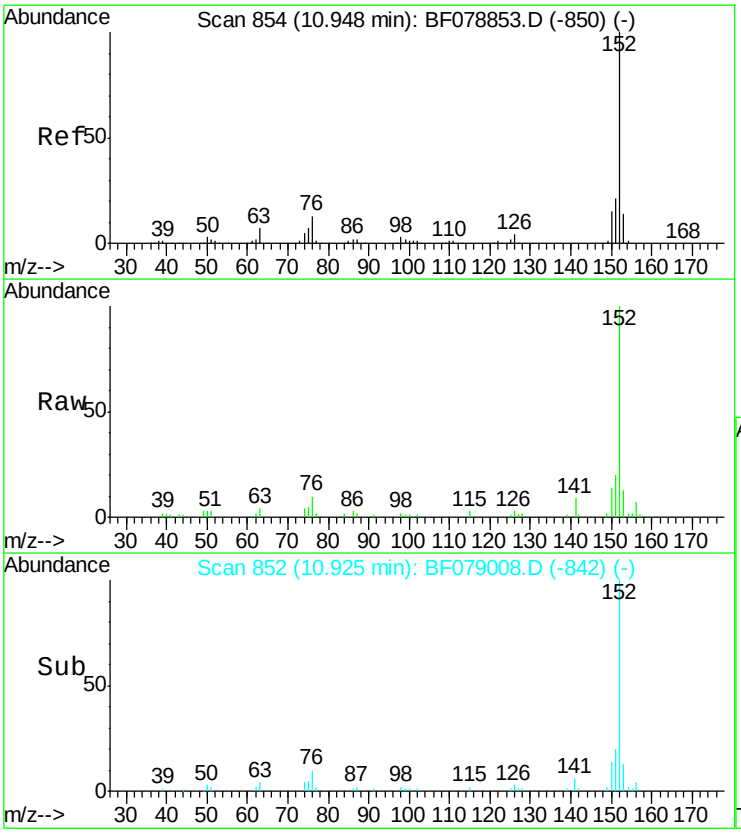
#44
2-Fluorobiphenyl
Concen: 9.60 ng
RT: 10.26 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion:172 Resp: 82808

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.9	41.9
170	23.1	19.4	29.0

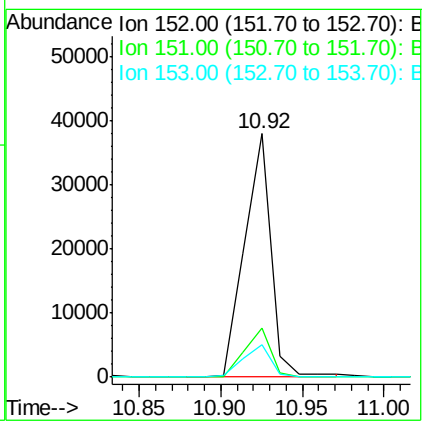


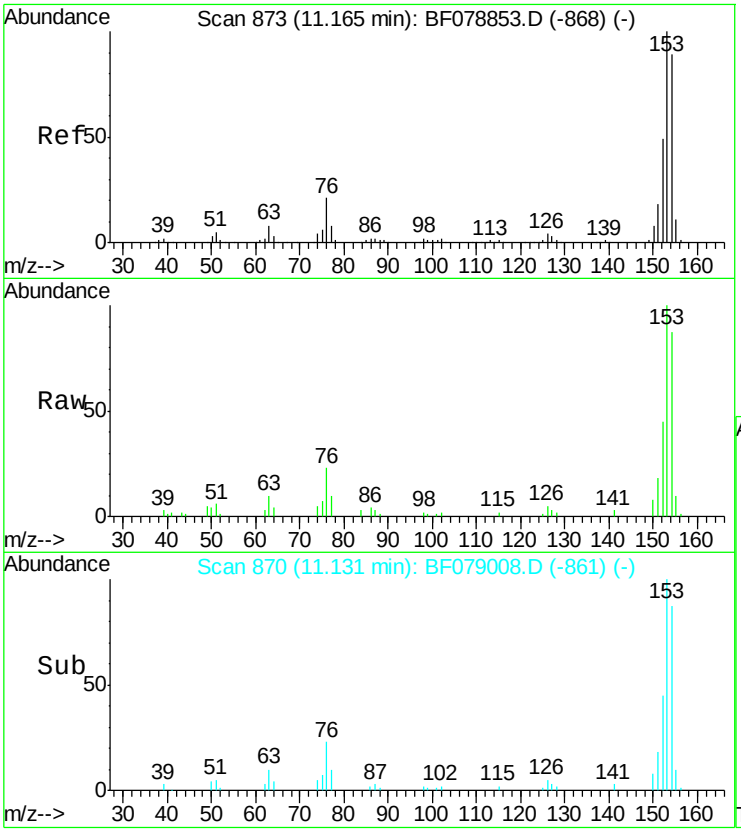


#48
Acenaphthylene
Concen: 3.49 ng
RT: 10.92 min Scan# 852
Delta R.T. 0.01 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Tgt Ion:152 Resp: 42762

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.4
153	13.5	10.9	16.3



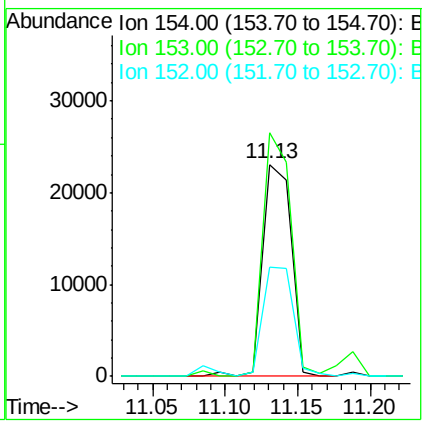


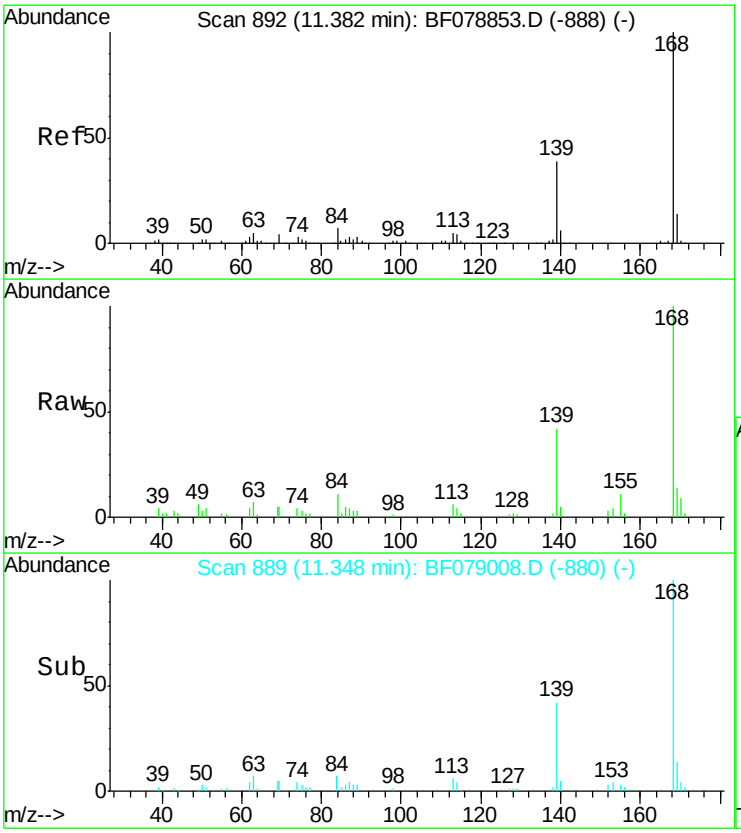
#51
Acenaphthene
Concen: 4.32 ng
RT: 11.13 min Scan# 870
Delta R.T. -0.00 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion:154 Resp: 31523

Ion	Ratio	Lower	Upper
154	100		
153	114.7	91.5	137.3
152	51.5	44.2	66.4

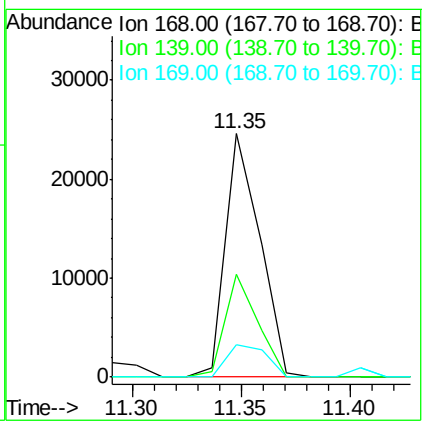


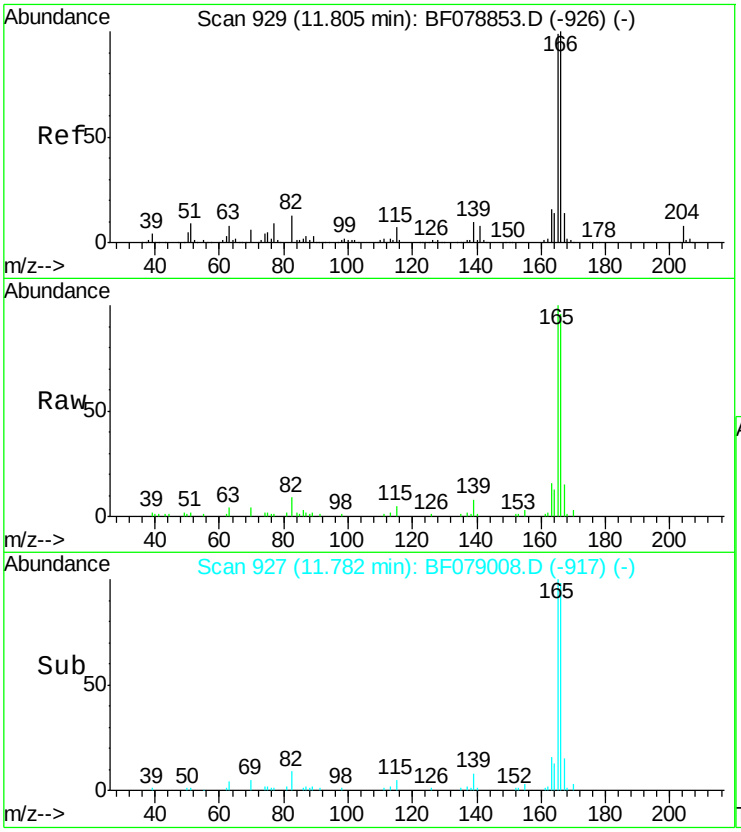


#54
Dibenzofuran
Concen: 2.56 ng
RT: 11.35 min Scan# 889
Delta R.T. -0.00 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Tgt Ion:168 Resp: 26962

Ion	Ratio	Lower	Upper
168	100		
139	42.4	31.0	46.4
169	13.6	10.6	16.0



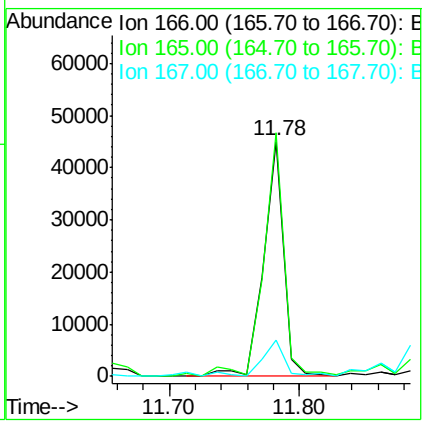


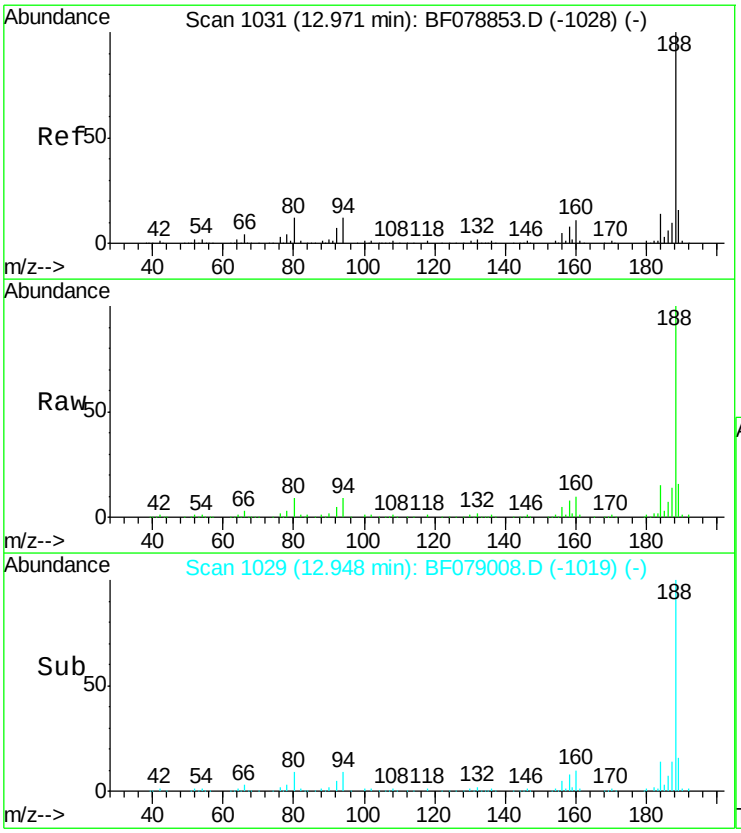
#57
Fluorene
Concen: 5.62 ng
RT: 11.78 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion:166 Resp: 48630

Ion	Ratio	Lower	Upper
166	100		
165	103.7	78.5	117.7
167	15.4	11.0	16.6

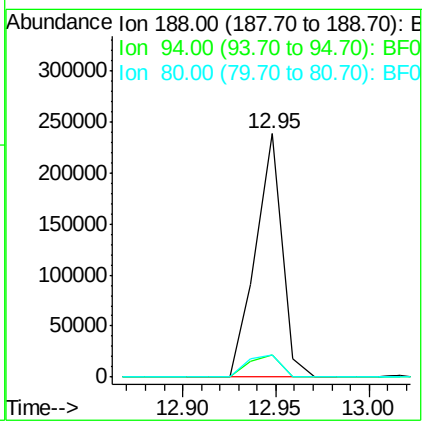


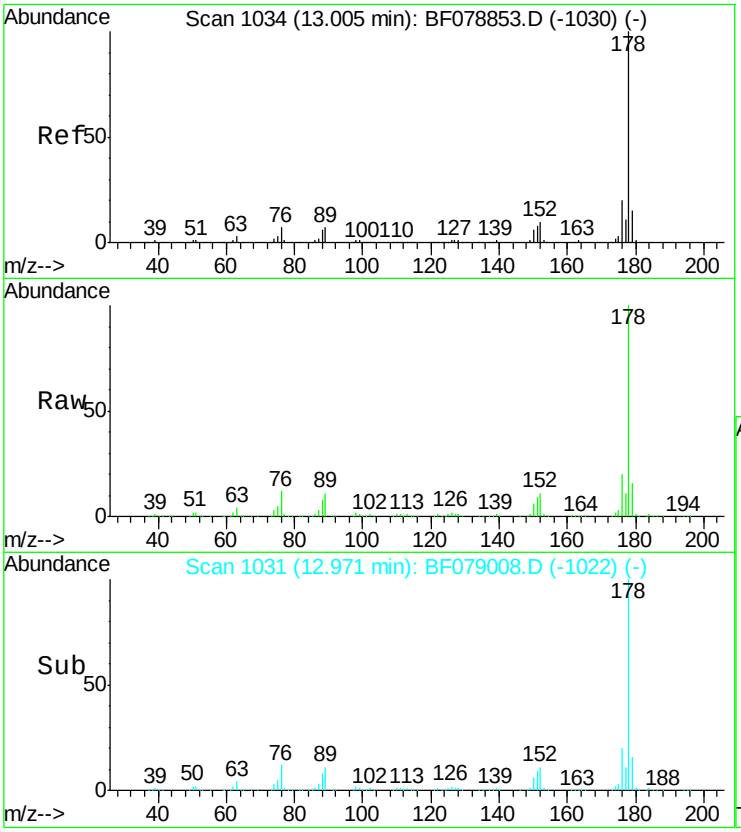


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Tgt Ion:188 Resp: 238555

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	9.1	8.9	13.3



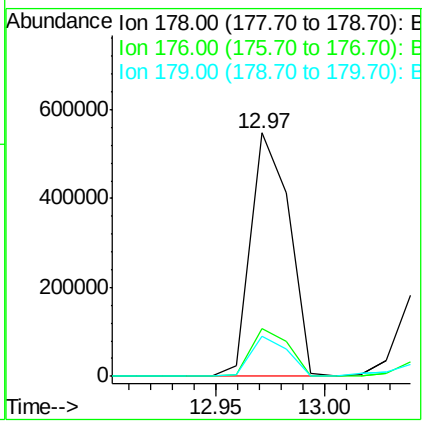


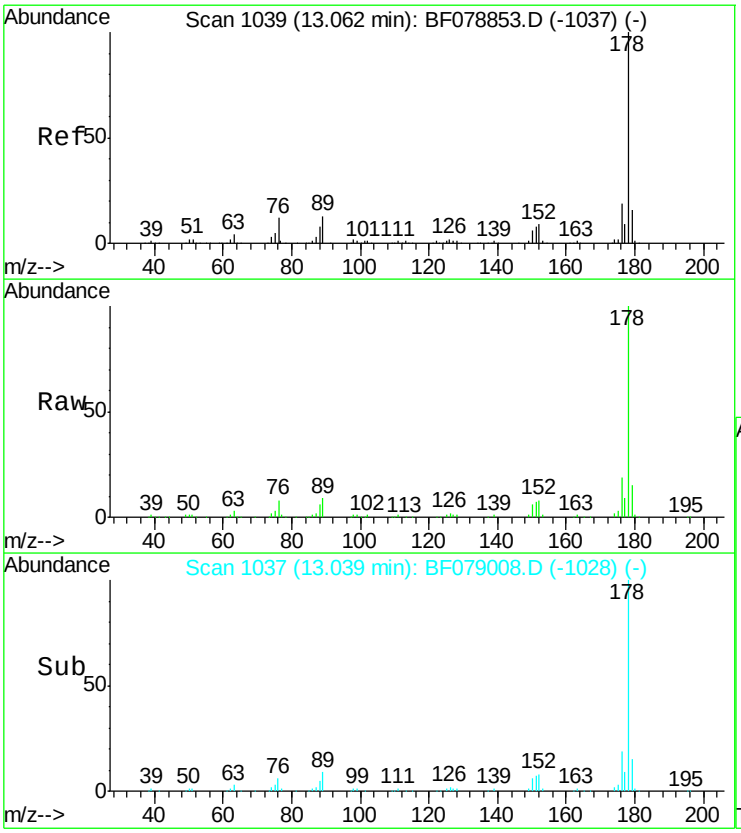
#70
Phenanthrene
Concen: 51.07 ng
RT: 12.97 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion:178 Resp: 681519

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	16.2	12.5	18.7

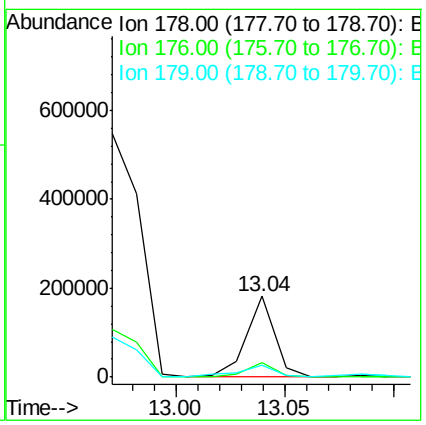


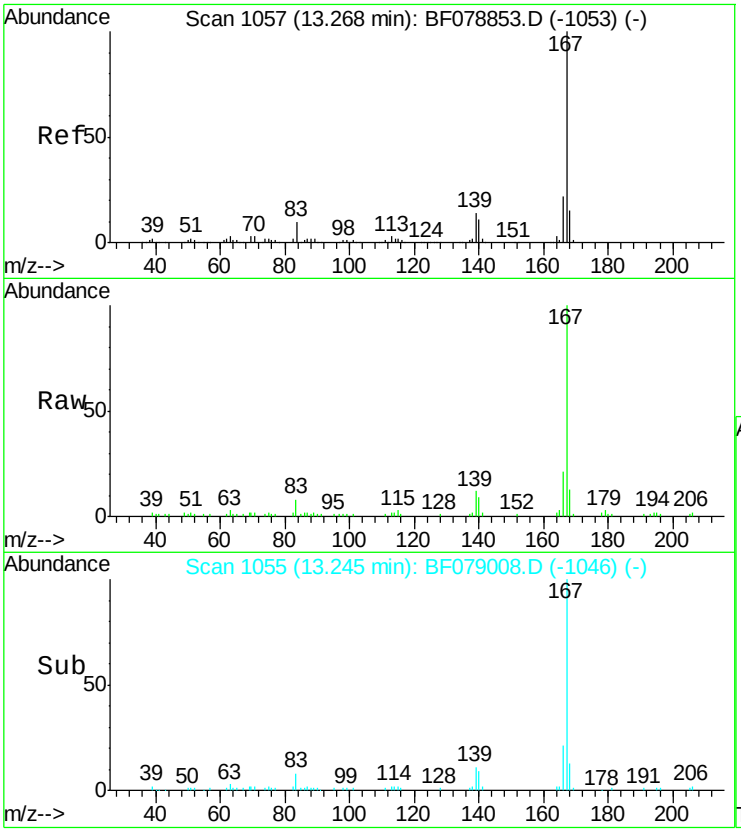


#71
Anthracene
Concen: 12.43 ng
RT: 13.04 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Tgt Ion:178 Resp: 162679

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.5	23.3
179	14.9	12.7	19.1



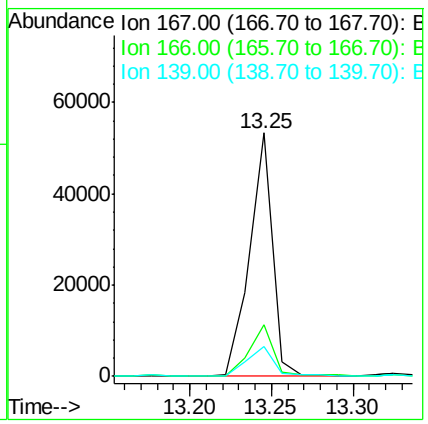


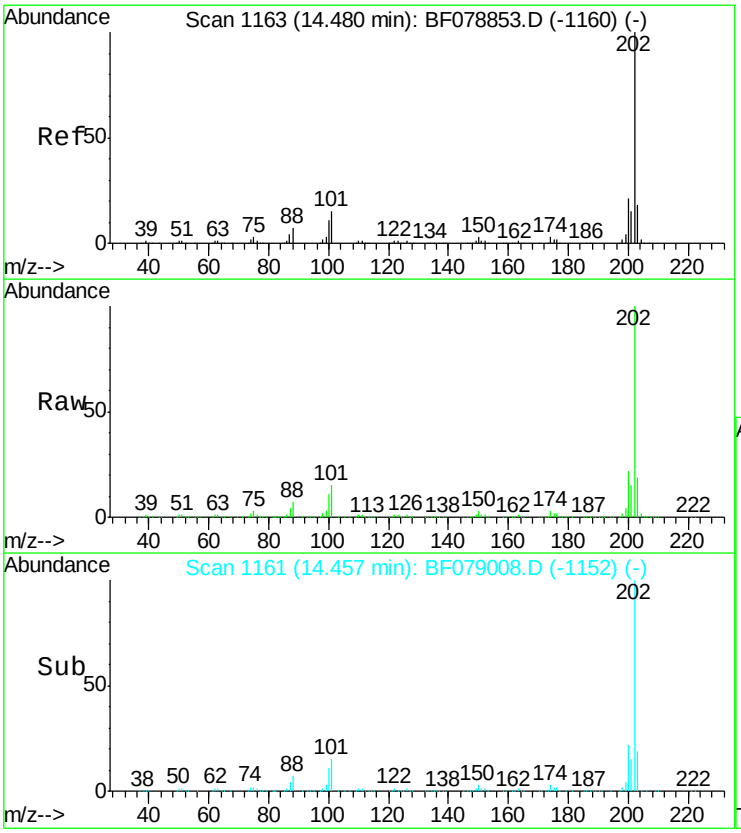
#72
Carbazole
Concen: 4.18 ng
RT: 13.25 min Scan# 1055
Delta R.T. -0.00 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion:167 Resp: 52120

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.8	26.8
139	12.4	10.6	16.0

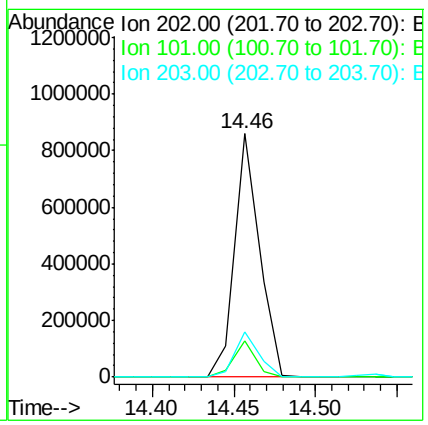


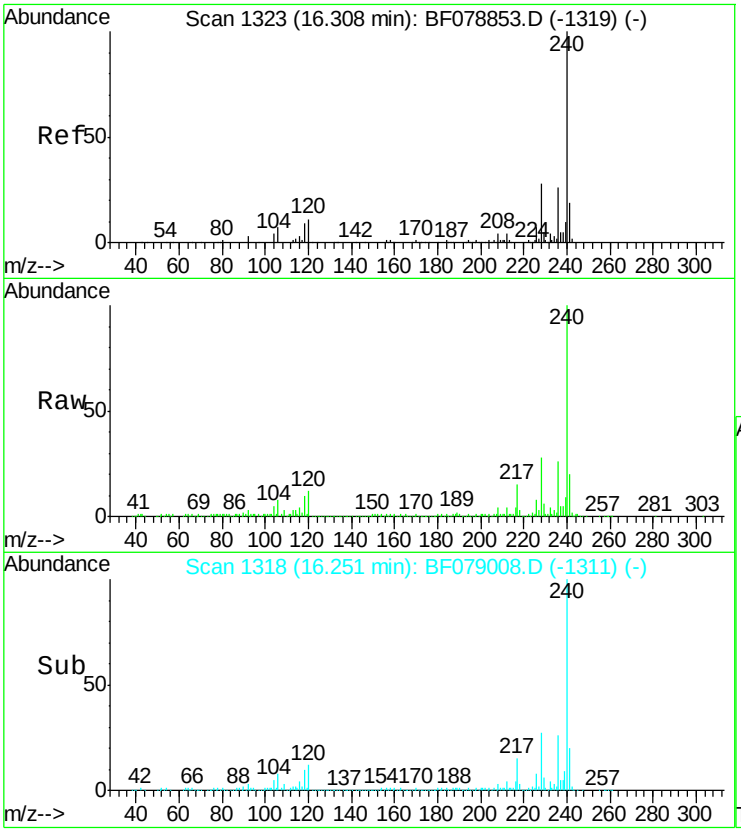


#74
Fluoranthene
Concen: 64.89 ng
RT: 14.46 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Tgt Ion:202 Resp: 902354

Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	34.6
203	18.6	0.0	38.4



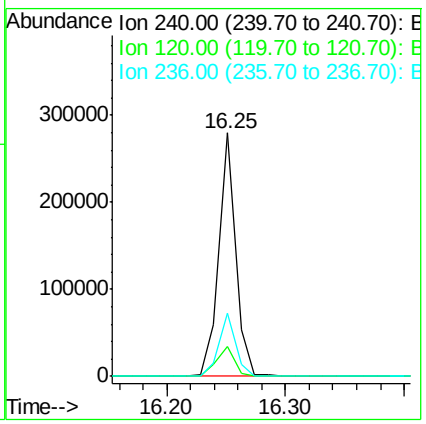


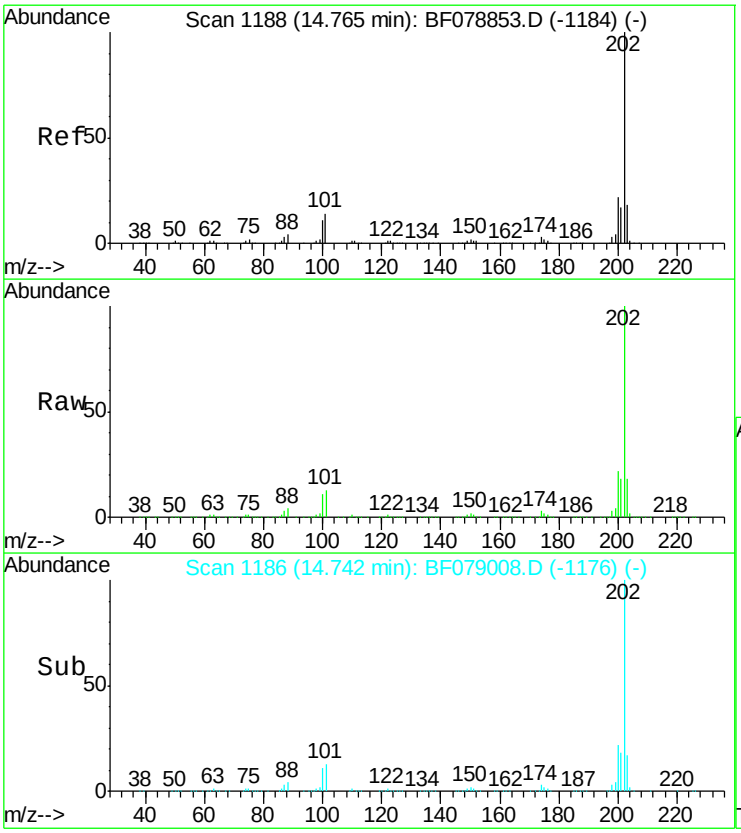
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion:240 Resp: 272667

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.7	14.5
236	25.8	20.2	30.4

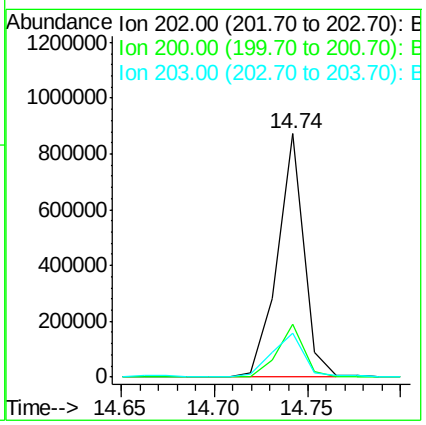


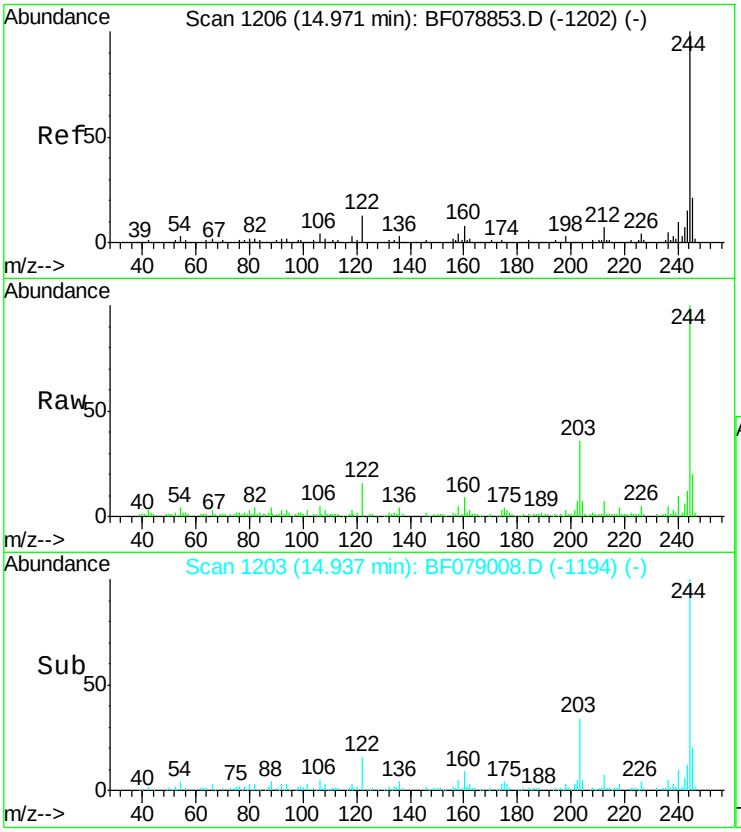


#77
Pyrene
Concen: 54.86 ng
RT: 14.74 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Tgt Ion:202 Resp: 861993

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.5	26.3
203	17.9	13.9	20.9



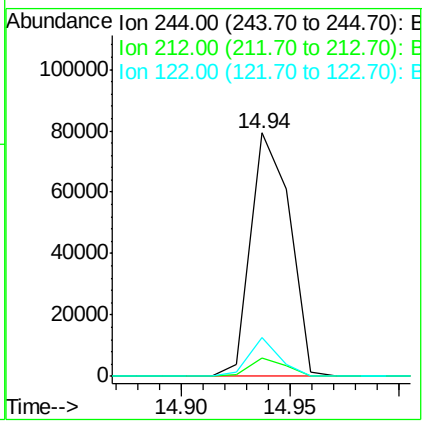


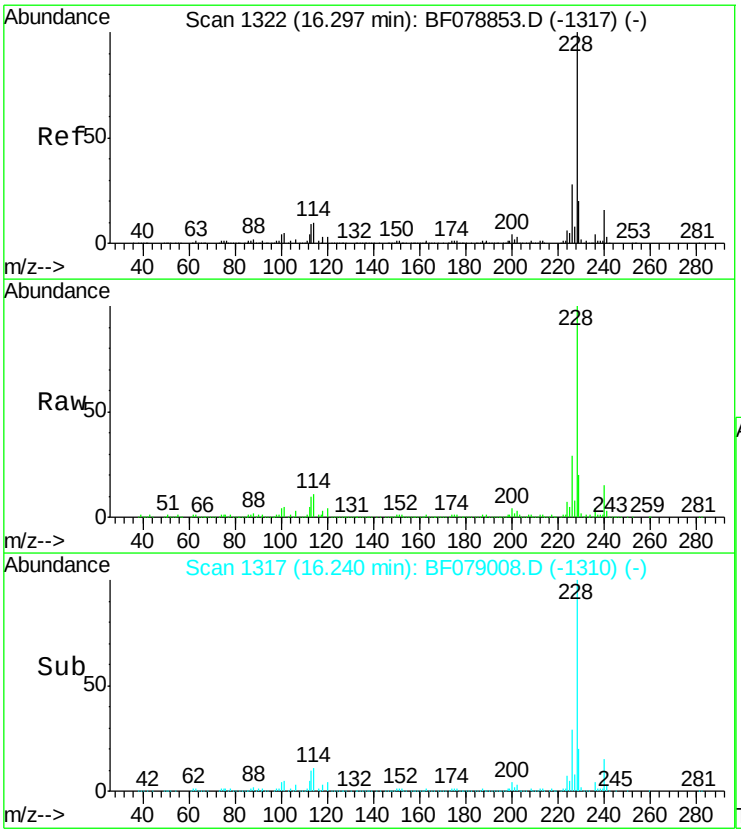
#78
Terphenyl-d14
Concen: 8.78 ng
RT: 14.94 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion:244 Resp: 99973

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.6	8.4
122	15.9	10.3	15.5#

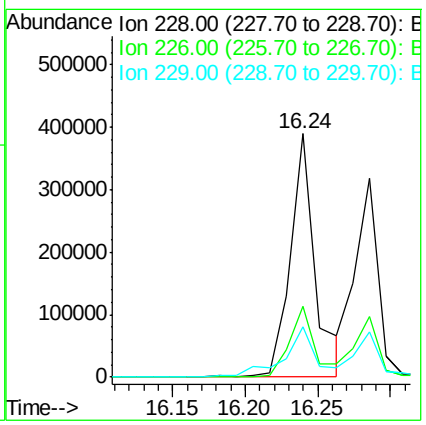


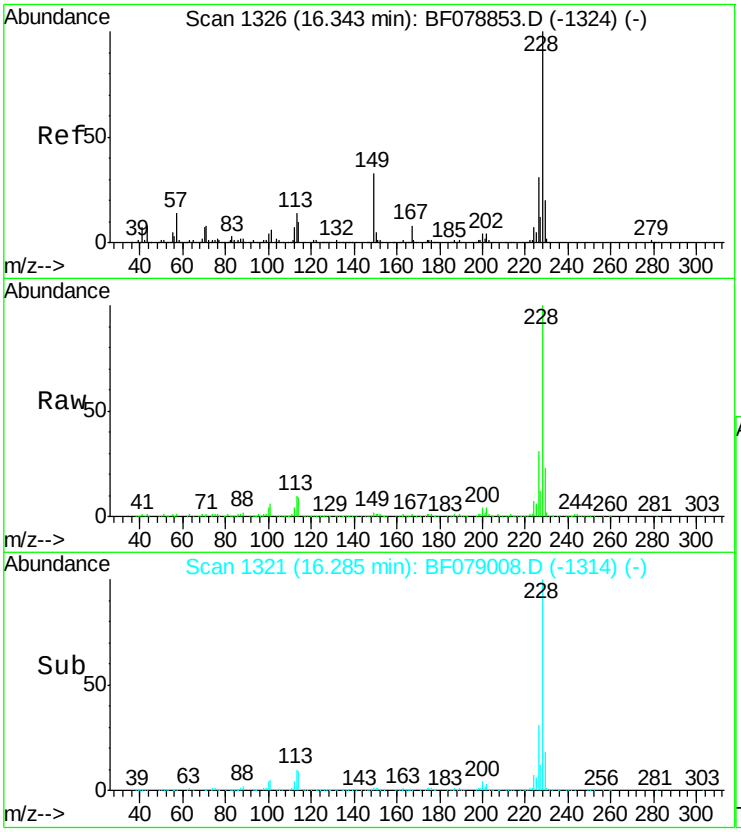


#80
Benzo(a)anthracene
Concen: 31.00 ng
RT: 16.24 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Tgt Ion:228 Resp: 462893

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	20.4	15.9	23.9



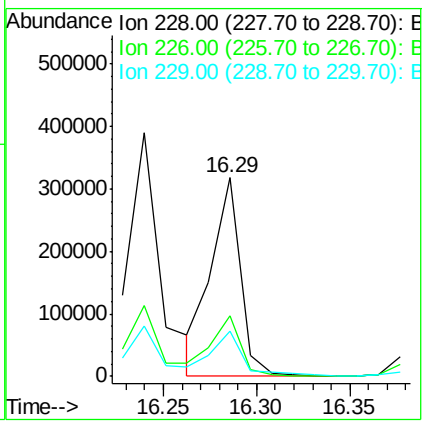


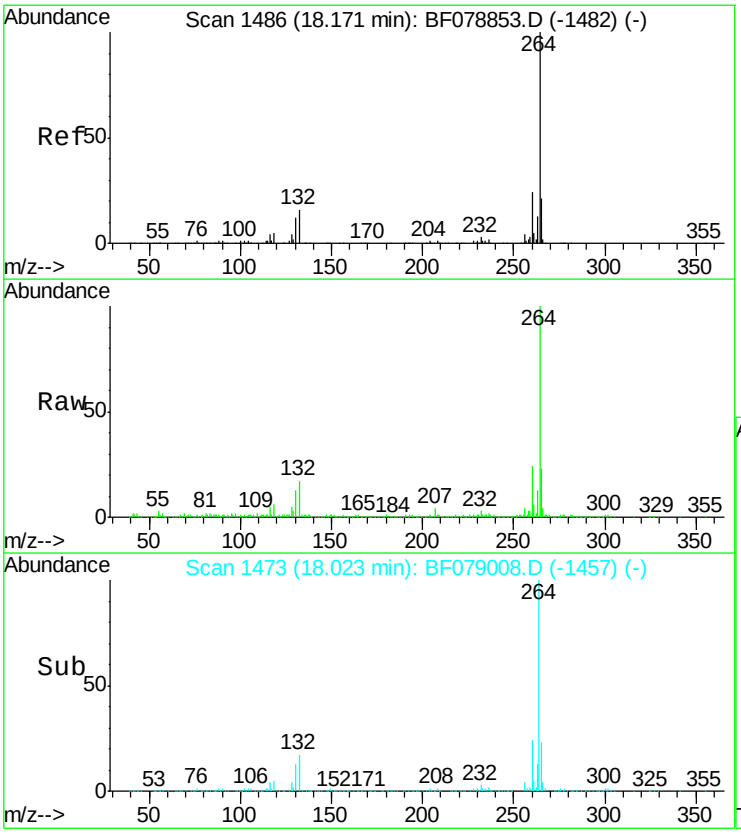
#82
Chrysene
Concen: 23.99 ng
RT: 16.29 min Scan# 1321
Delta R.T. -0.02 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion:228 Resp: 344553

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	23.0	16.0	24.0

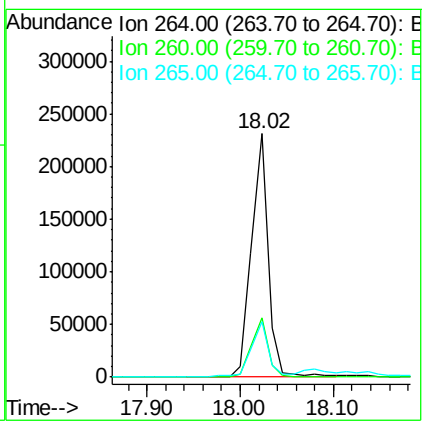


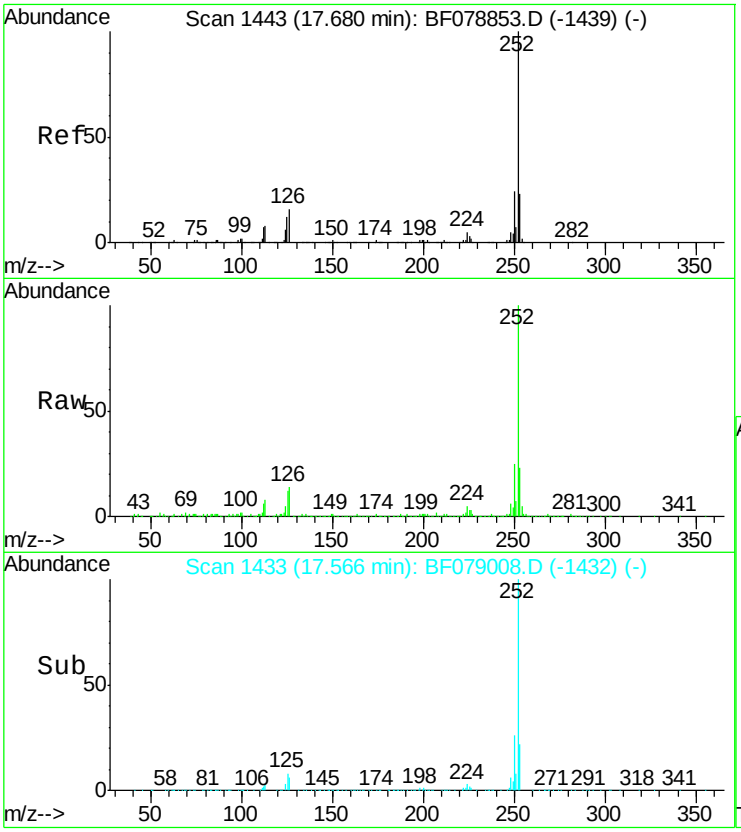


#86
Perylene-d12
Concen: 20.00 ng
RT: 18.02 min Scan# 1473
Delta R.T. -0.11 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Tgt Ion:264 Resp: 289202

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	22.8	18.3	27.5



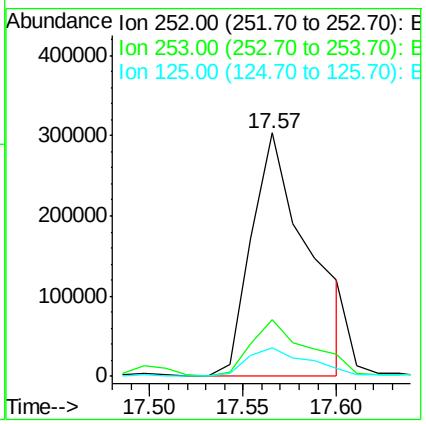


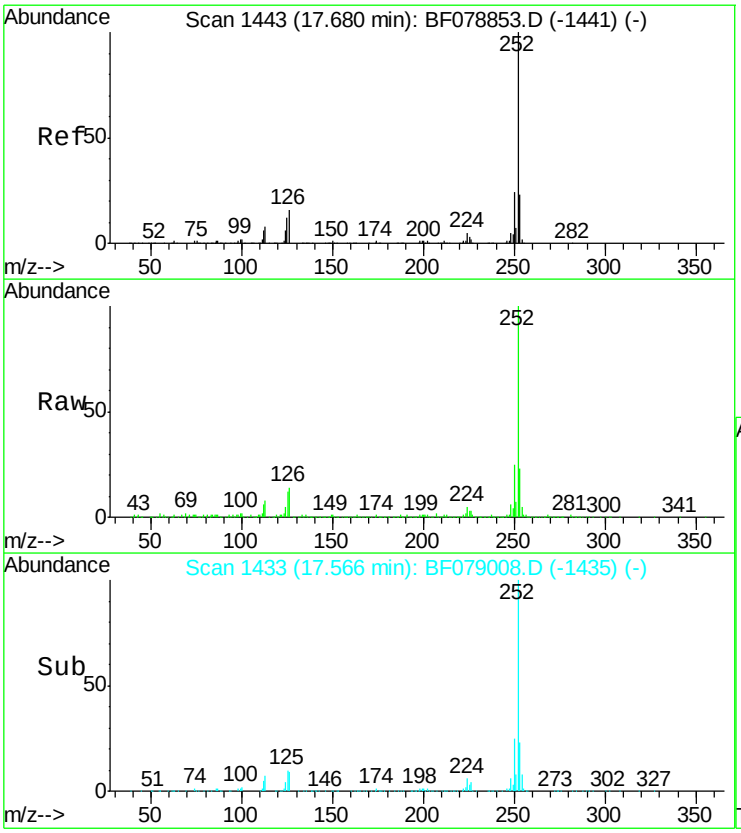
#87
Benzo(b)fluoranthene
Concen: 40.77 ng
RT: 17.57 min Scan# 1433
Delta R.T. -0.09 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion:252 Resp: 645301

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	11.7	9.5	14.3

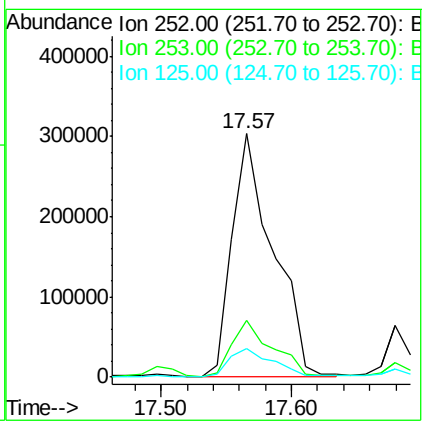


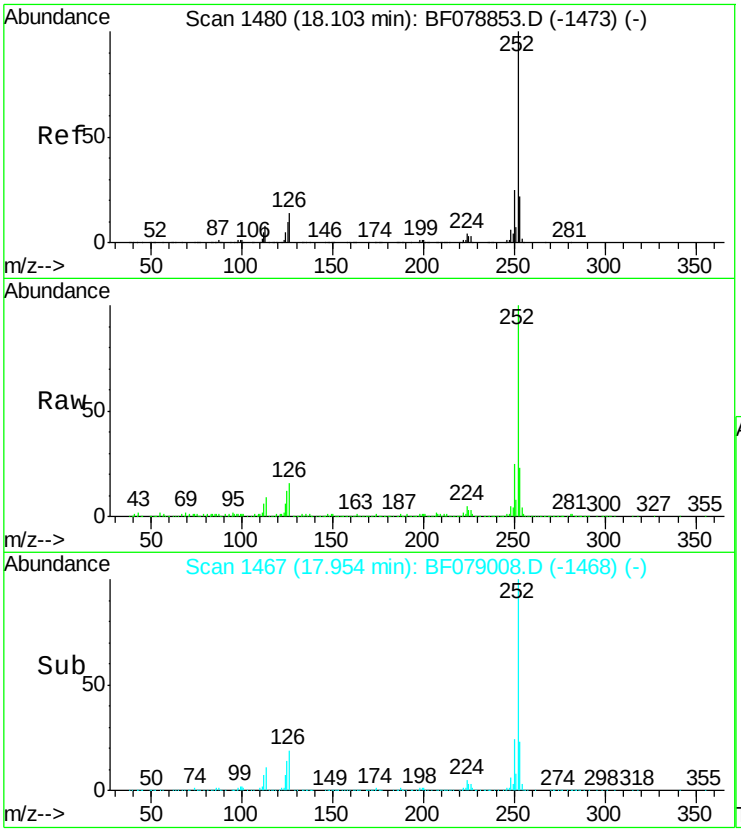


#88
Benzo(k)fluoranthene
Concen: 42.87 ng
RT: 17.57 min Scan# 1433
Delta R.T. -0.13 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Tgt Ion:252 Resp: 656899

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	11.7	10.0	15.0



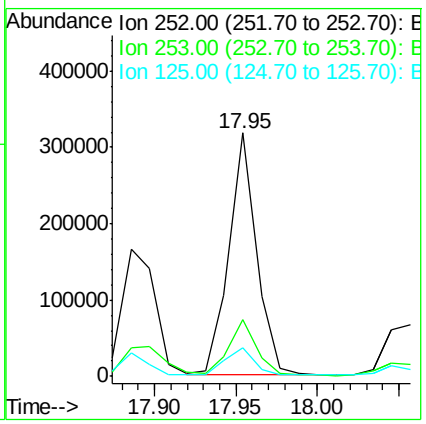


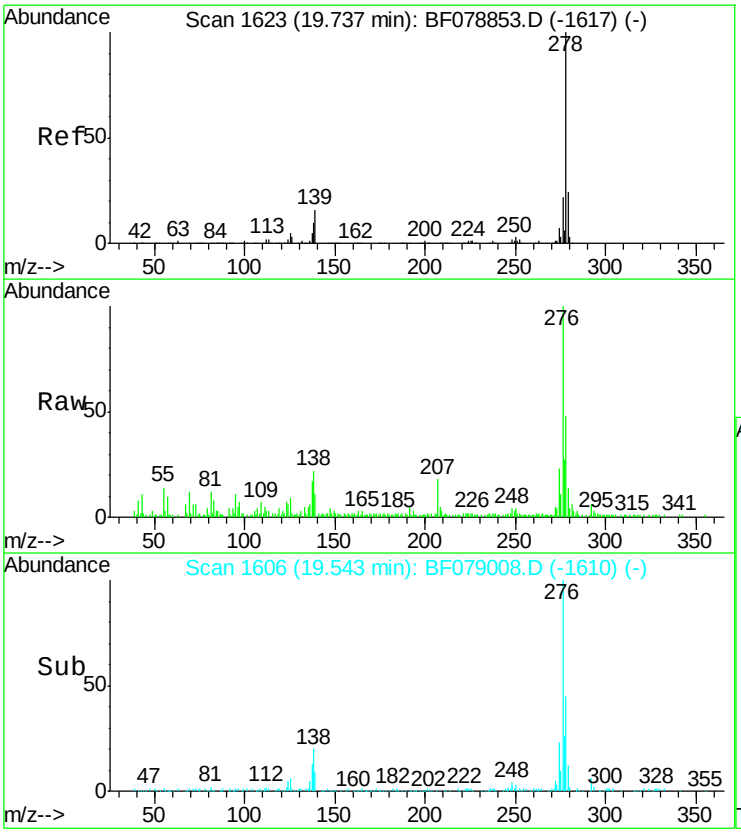
#89
Benzo(a)pyrene
Concen: 25.24 ng
RT: 17.95 min Scan# 1467
Delta R.T. -0.11 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion:252 Resp: 367842

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	12.0	7.0	10.6#

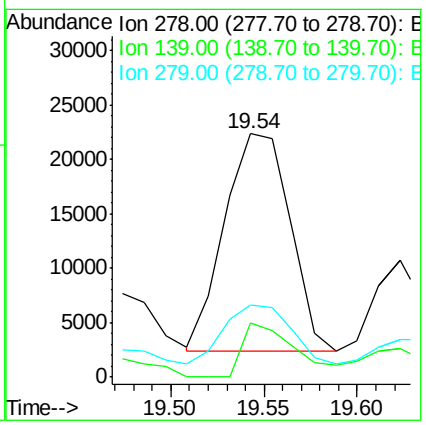


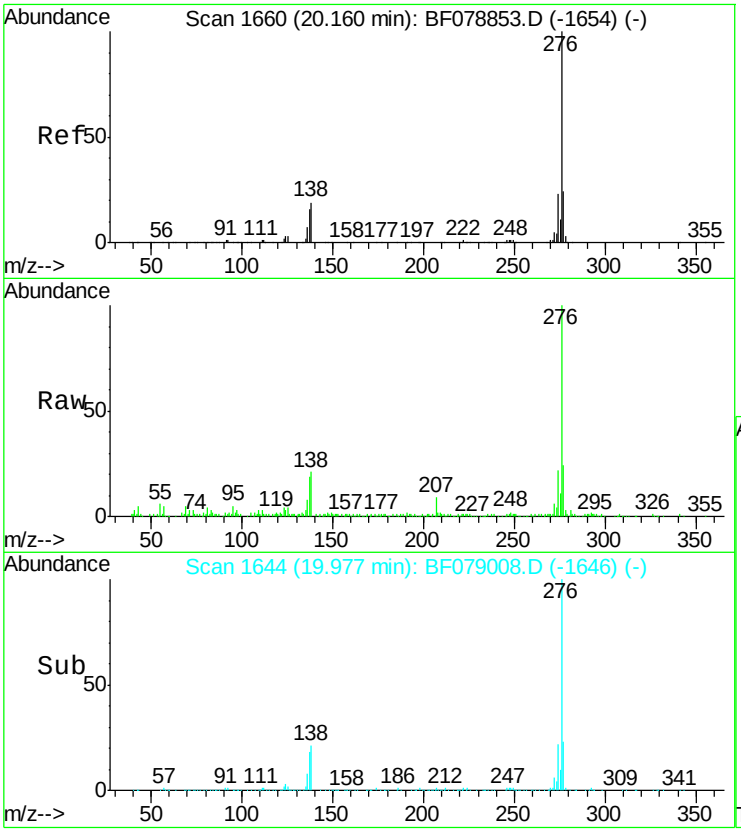


#90
Dibenzo(a,h)anthracene
Concen: 3.13 ng
RT: 19.54 min Scan# 1606
Delta R.T. -0.15 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Tgt Ion:278 Resp: 48551

Ion	Ratio	Lower	Upper
278	100		
139	22.1	12.8	19.2#
279	29.6	19.6	29.4#





#91
Benzo(g,h,i)perylene
Concen: 13.92 ng
RT: 19.98 min Scan# 1644
Delta R.T. -0.13 min
Lab File: BF079008.D
Acq: 7 May 2015 21:04

Instrument :
BNA_F
ClientSampleId :
SB-51S

Tgt Ion:276 Resp: 216072

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	21.5	17.4	26.0