Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050515\
Data File : BF078947.D
Acq On : 5 May 2015 18:25
Operator : TP/IZ
Sample : G2044-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48S

Quant Time: May 06 01:14:50 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 06 00:45:00 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	59637	20.00	ng		0.00
21) Naphthalene-d8	8.94	136	236912	20.00	ng		0.00
38) Acenaphthene-d10	11.11	164	118294	20.00	ng		0.00
63) Phenanthrene-d10	12.95	188	222575	20.00	ng		-0.01
75) Chrysene-d12	16.24	240	246327	20.00	ng		-0.03
86) Perylene-d12	17.95	264	282399	20.00	ng		-0.14
System Monitoring Compounds							
5) 2-Fluorophenol	5.64	112	69040	19.93	ng		0.00
7) Phenol-d6	6.90	99	94027	20.53	ng		0.00
23) Nitrobenzene-d5	8.04	82	50234	12.19	ng		0.00
41) 2,4,6-Tribromophenol	12.09	330	20085	15.69	ng		0.00
44) 2-Fluorobiphenyl	10.27	172	103223	12.16	ng		-0.01
78) Terphenyl-d14	14.95	244	118684	11.54	ng		0.00
Target Compounds							Qvalue
70) Phenanthrene	12.98	178	165793	13.31	ng		98
71) Anthracene	13.05	178	37422	3.06	ng		97
74) Fluoranthene	14.46	202	260078	20.04	ng		99
77) Pyrene	14.74	202	248142	17.48	ng		98
80) Benzo(a)anthracene	16.23	228	135624	10.05	ng		98
82) Chrysene	16.27	228	108253	8.34	ng		97
87) Benzo(b)fluoranthene	17.51	252	181532	11.74	ng		97
88) Benzo(k)fluoranthene	17.51	252	210957	14.10	ng		98
89) Benzo(a)pyrene	17.89	252	119233	8.38	ng	#	96
91) Benzo(g,h,i)perylene	19.89	276	80434	5.31	ng		98

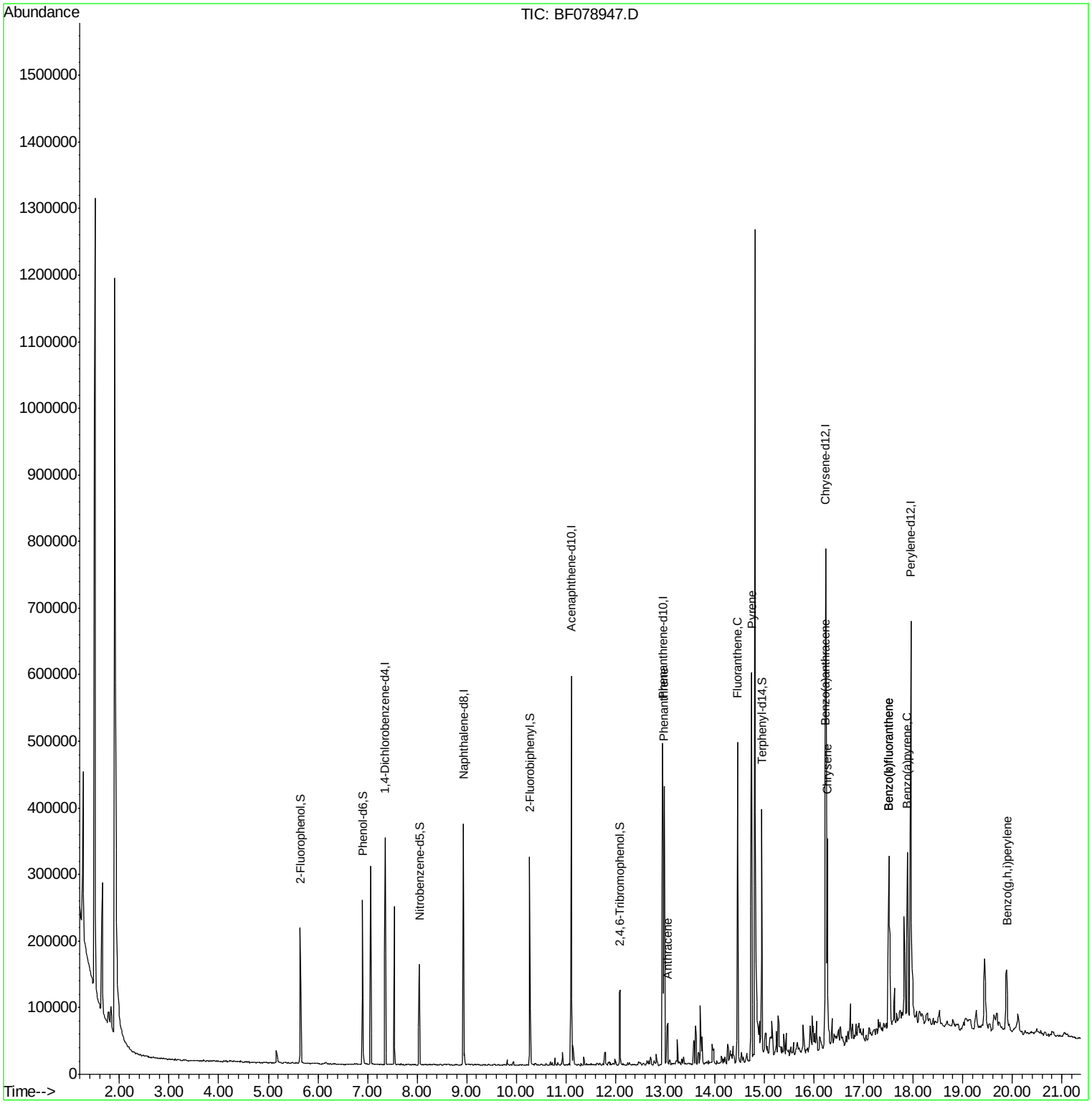
(#) = qualifier out of range (m) = manual integration (+) = signals summed

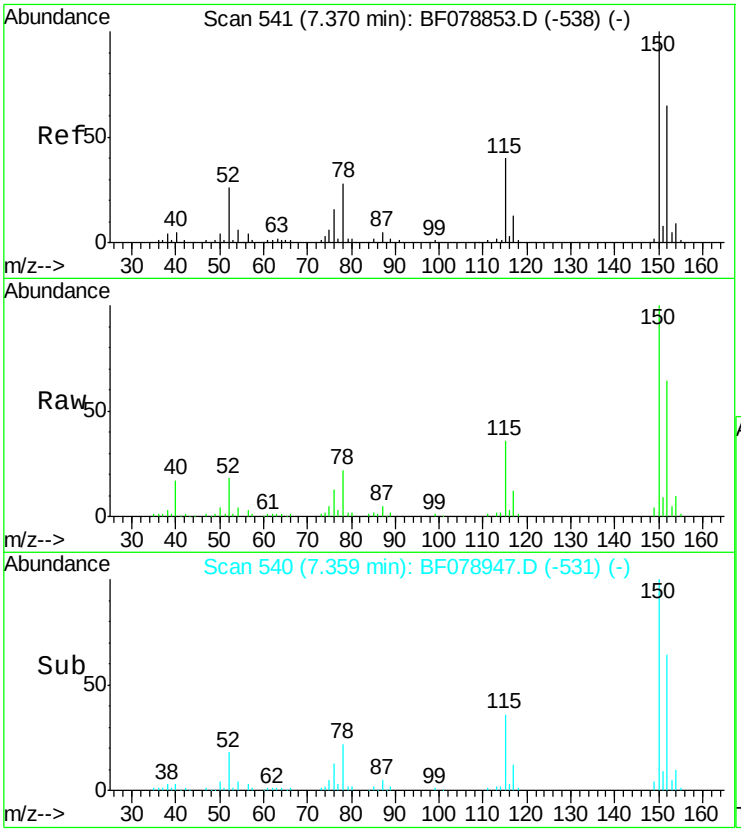
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050515\
Data File : BF078947.D
Acq On : 5 May 2015 18:25
Operator : TP/IZ
Sample : G2044-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48S

Quant Time: May 06 01:14:50 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 06 00:45:00 2015
Response via : Initial Calibration



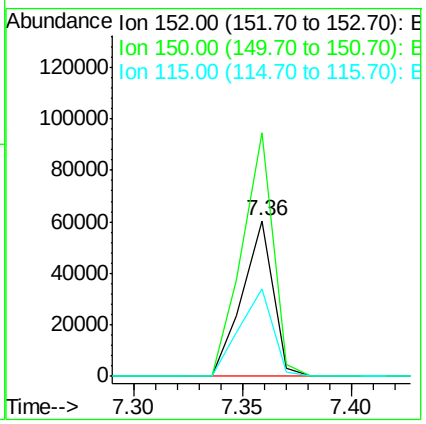


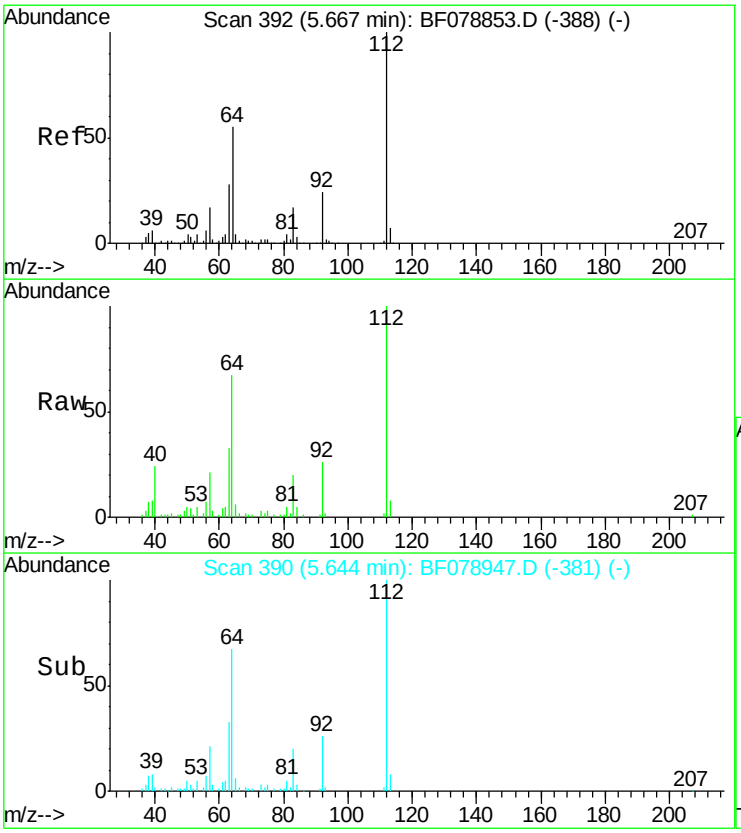
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.36 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Instrument :
BNA_F
ClientSampleId :
SB-48S

Tgt Ion:152 Resp: 59637

Ion	Ratio	Lower	Upper
152	100		
150	156.7	122.0	183.0
115	56.7	46.3	69.5

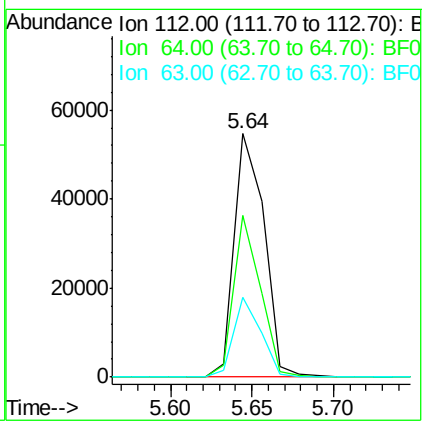


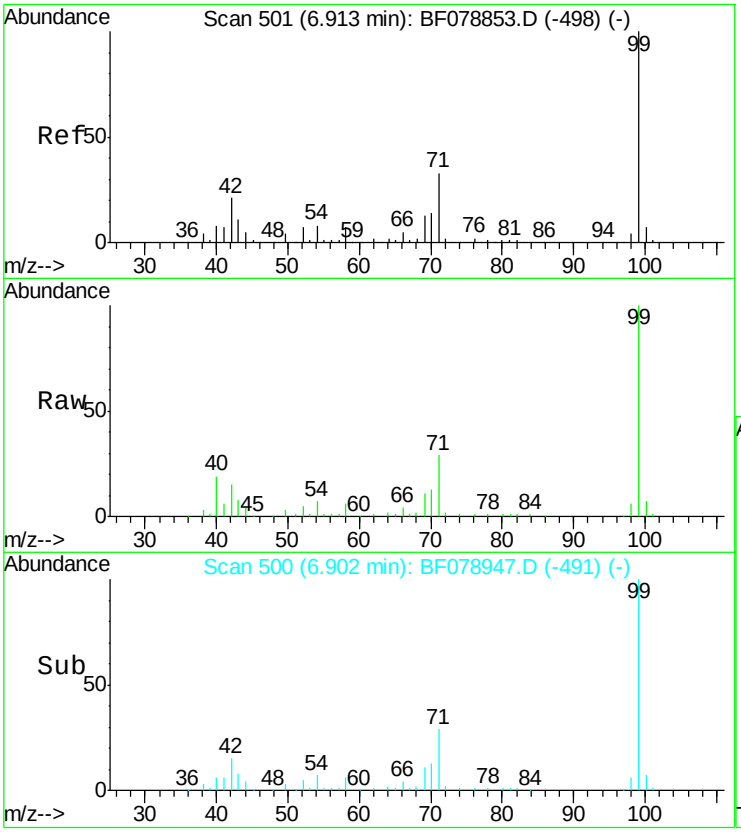


#5
2-Fluorophenol
Concen: 19.93 ng
RT: 5.64 min Scan# 390
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion:112 Resp: 69040

Ion	Ratio	Lower	Upper
112	100		
64	66.6	53.5	80.3
63	32.9	27.5	41.3



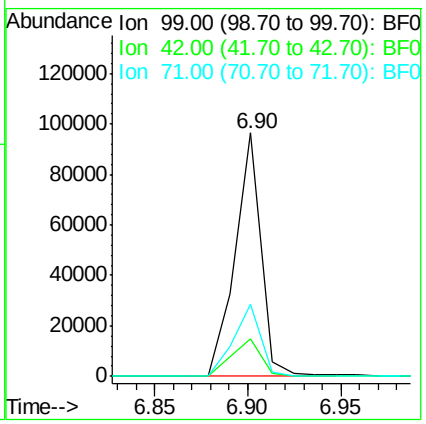


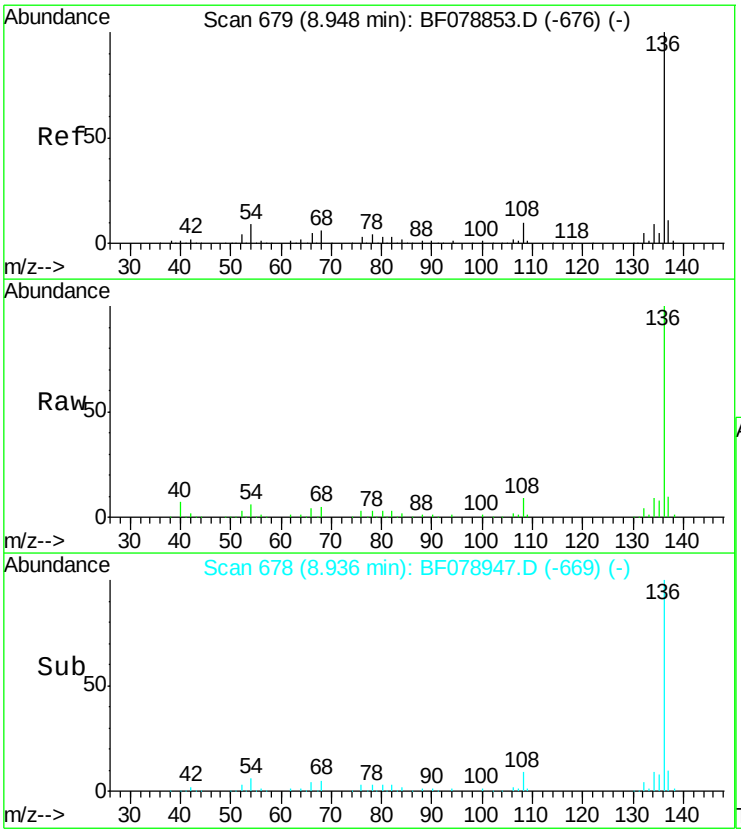
#7
Phenol-d6
Concen: 20.53 ng
RT: 6.90 min Scan# 500
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Instrument :
BNA_F
ClientSampleId :
SB-48S

Tgt Ion: 99 Resp: 94027

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.8	19.2
71	29.4	23.4	35.2

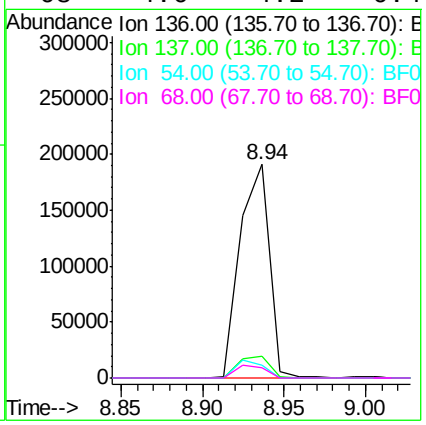


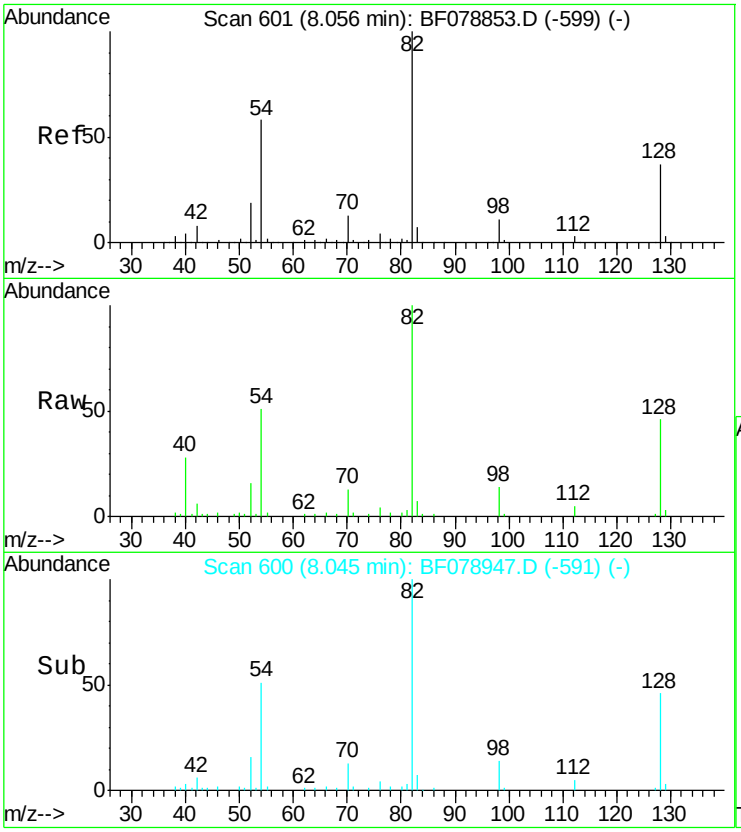


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.94 min Scan# 678
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion:136 Resp: 236912

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.7	13.1
54	6.0	5.8	8.8
68	4.6	4.2	6.4



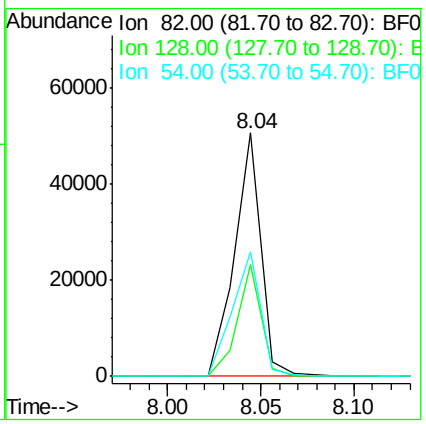


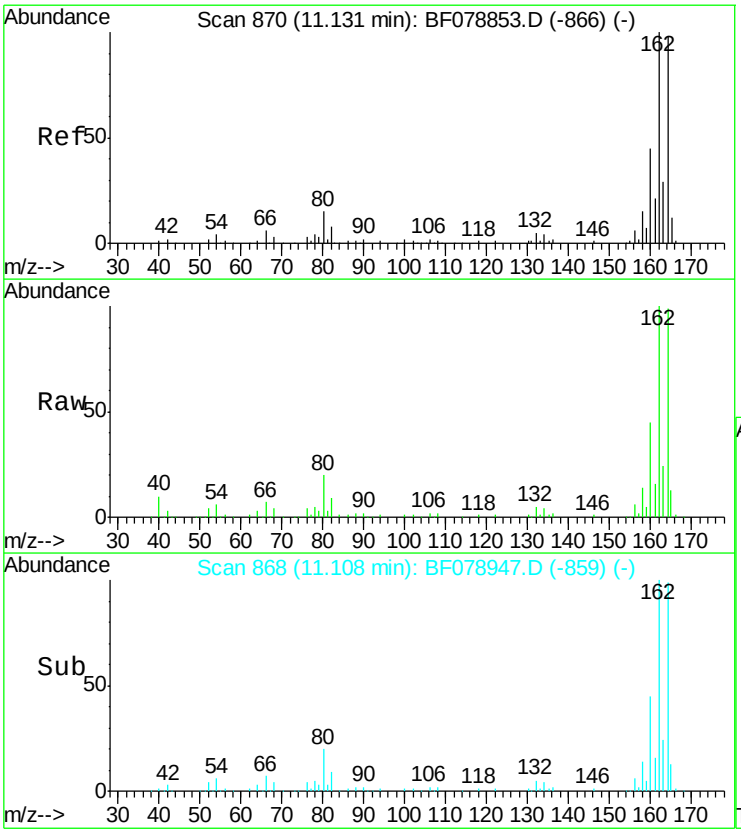
#23
Nitrobenzene-d5
Concen: 12.19 ng
RT: 8.04 min Scan# 600
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Instrument :
BNA_F
ClientSampleId :
SB-48S

Tgt Ion: 82 Resp: 50234

Ion	Ratio	Lower	Upper
82	100		
128	45.7	30.0	45.0#
54	51.3	46.4	69.6

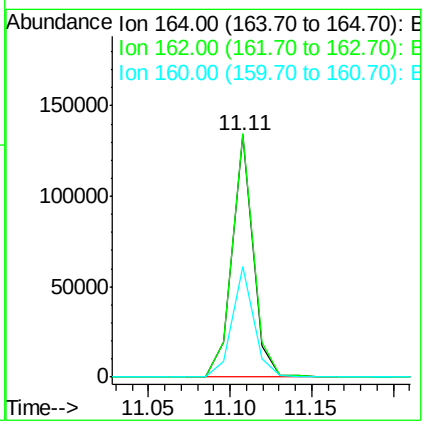


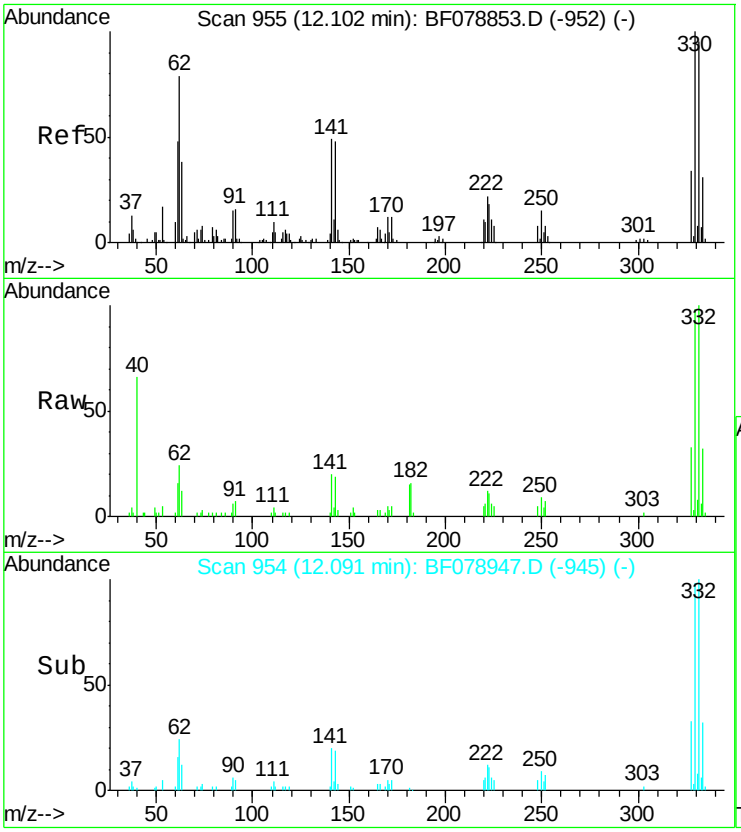


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 868
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion:164 Resp: 118294

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.7	124.1
160	45.8	35.8	53.8



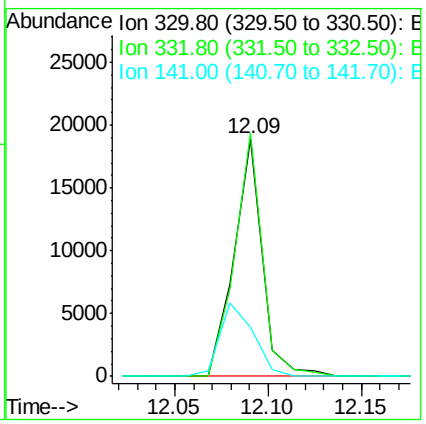


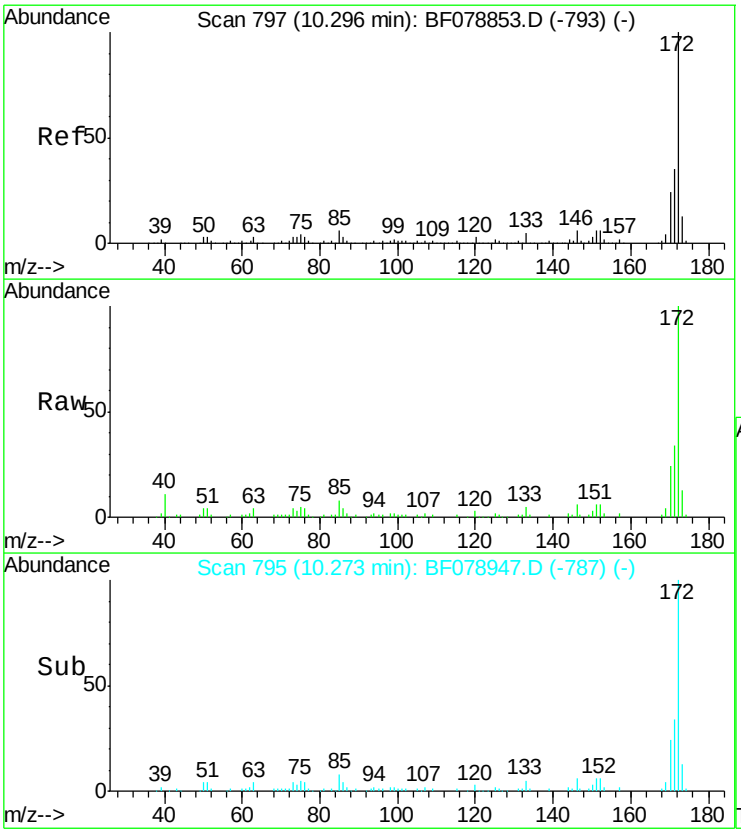
#41
2,4,6-Tribromophenol
Concen: 15.69 ng
RT: 12.09 min Scan# 954
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Instrument :
BNA_F
ClientSampleId :
SB-48S

Tgt Ion:330 Resp: 20085

Ion	Ratio	Lower	Upper
330	100		
332	100.0	0.0	0.0#
141	36.6	0.0	0.0#

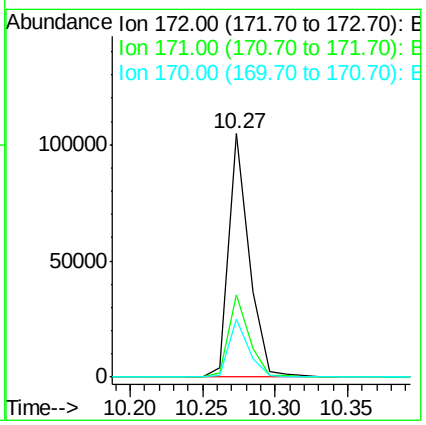


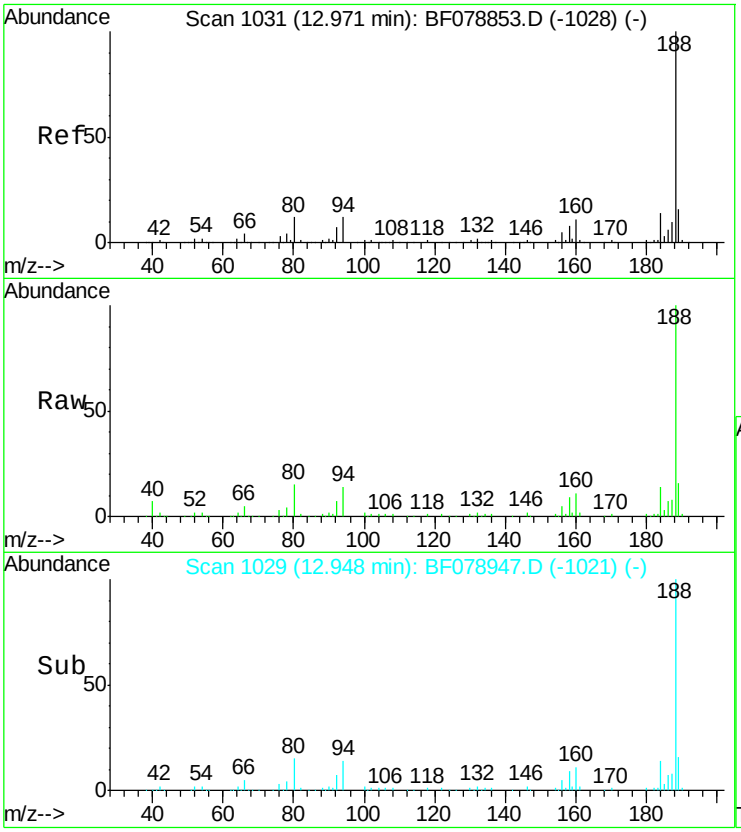


#44
2-Fluorobiphenyl
Concen: 12.16 ng
RT: 10.27 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion:172 Resp: 103223

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.9	41.9
170	24.1	19.4	29.0



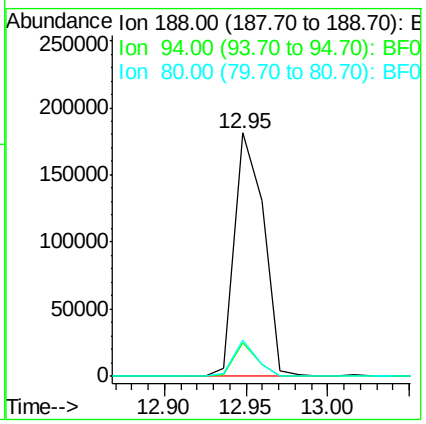


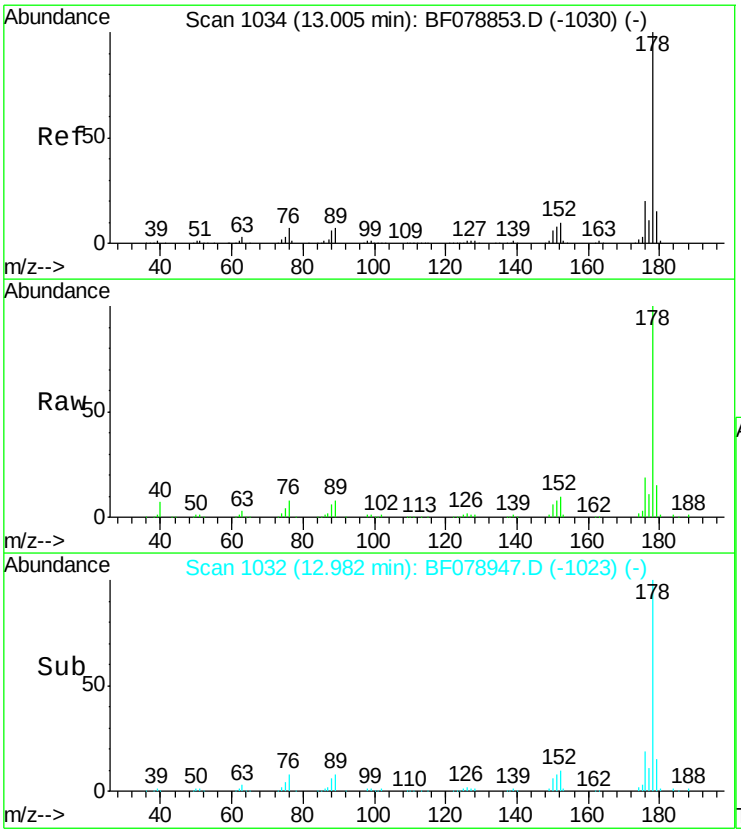
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Instrument :
BNA_F
ClientSampleId :
SB-48S

Tgt Ion:188 Resp: 222575

Ion	Ratio	Lower	Upper
188	100		
94	13.8	8.2	12.2#
80	14.7	8.9	13.3#

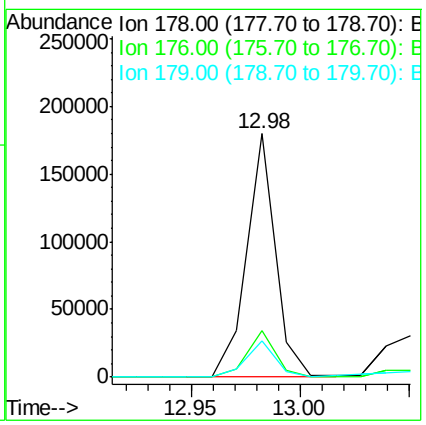


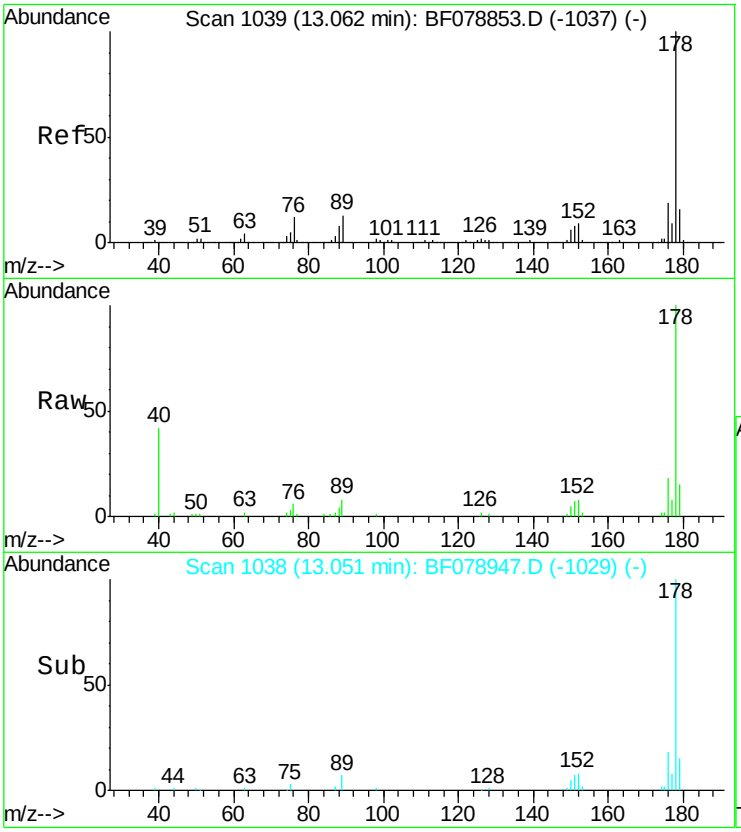


#70
Phenanthrene
Concen: 13.31 ng
RT: 12.98 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion:178 Resp: 165793

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.1	12.5	18.7



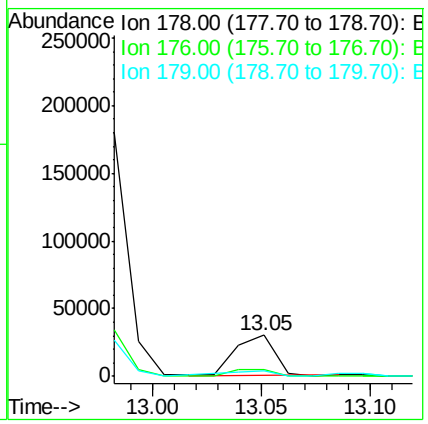


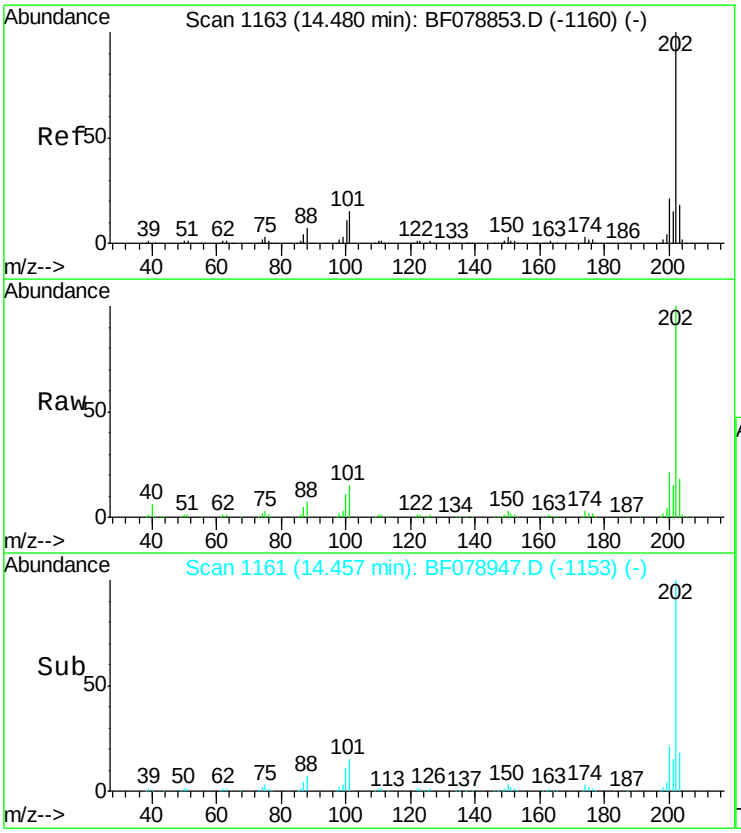
#71
Anthracene
Concen: 3.06 ng
RT: 13.05 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Instrument :
BNA_F
ClientSampleId :
SB-48S

Tgt Ion:178 Resp: 37422

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.5	23.3
179	14.5	12.7	19.1

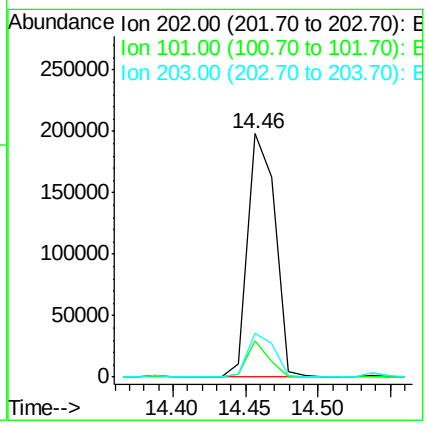


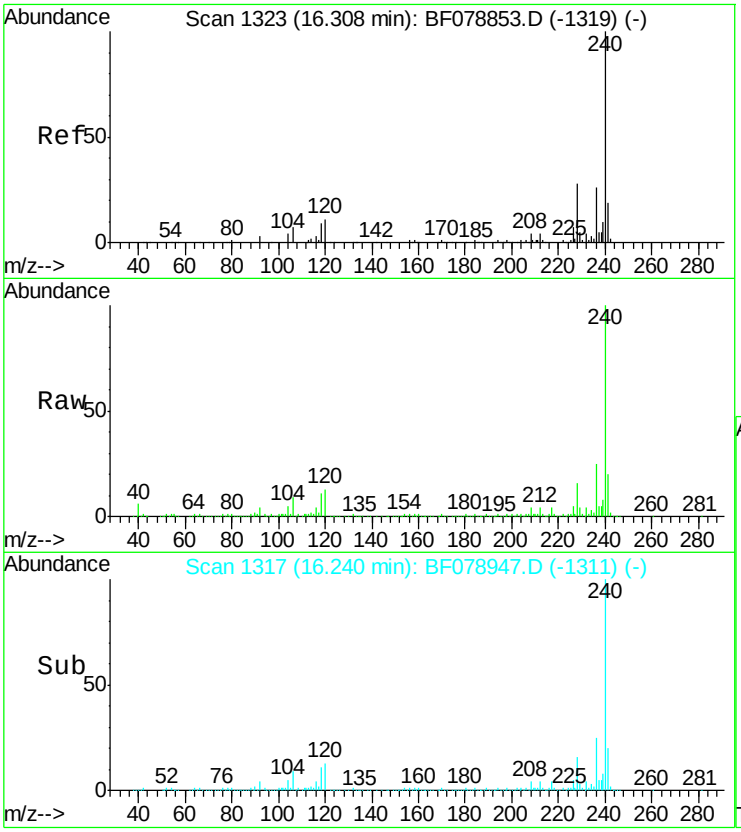


#74
Fluoranthene
Concen: 20.04 ng
RT: 14.46 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion:202 Resp: 260078

Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.6
203	17.9	0.0	38.4



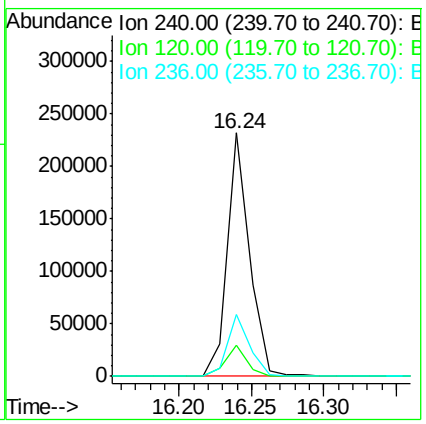


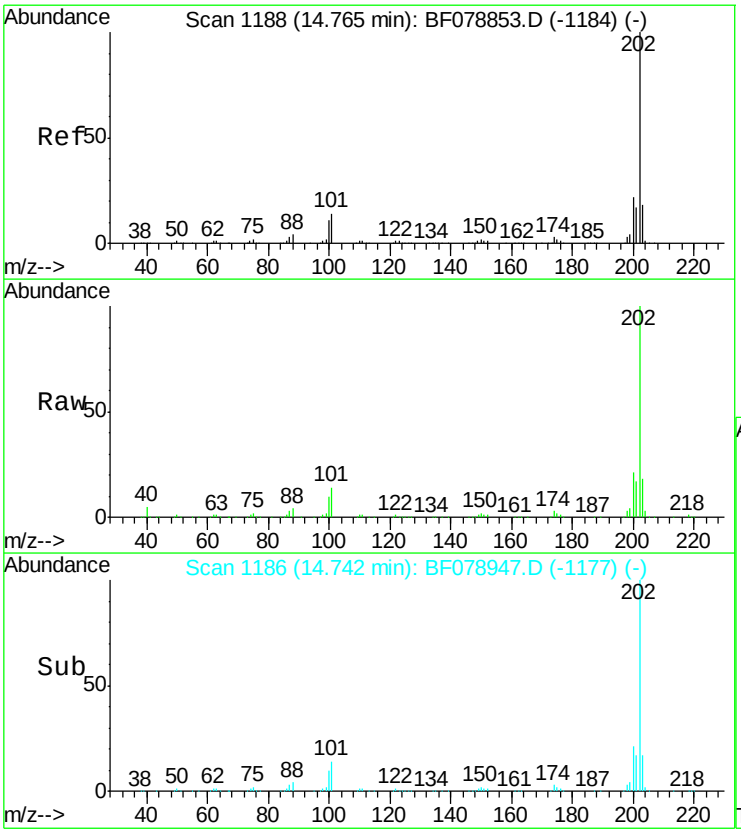
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.24 min Scan# 1317
Delta R.T. -0.03 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Instrument :
BNA_F
ClientSampleId :
SB-48S

Tgt Ion:240 Resp: 246327

Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.7	14.5
236	25.5	20.2	30.4

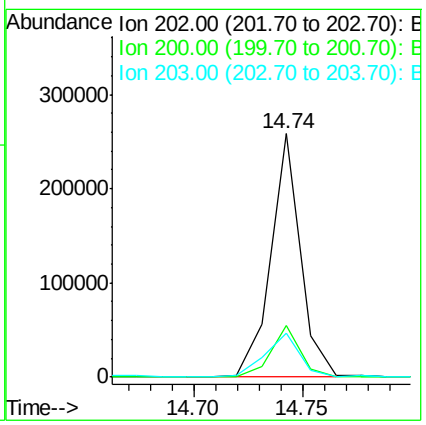


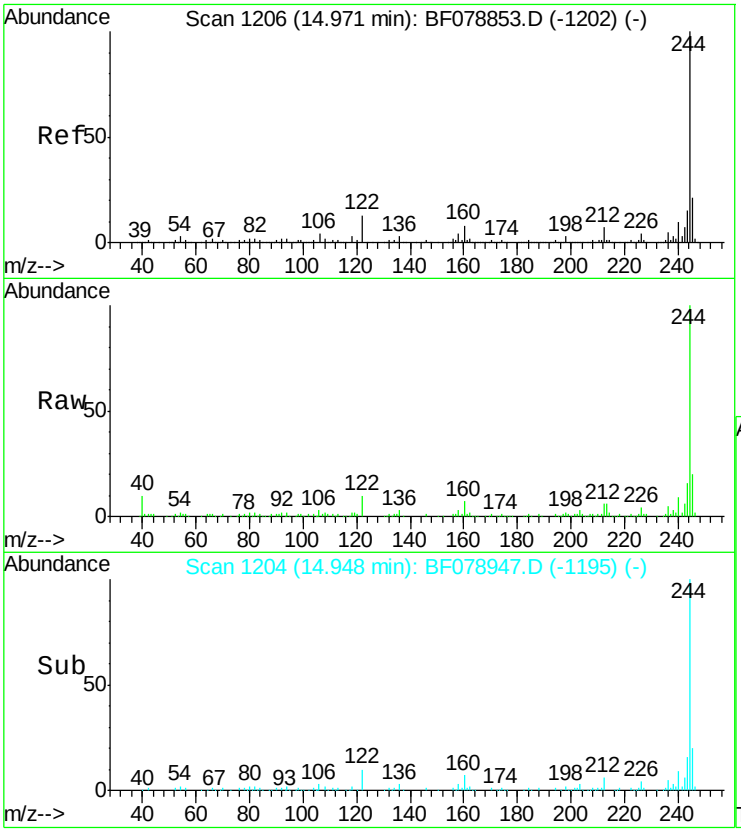


#77
Pyrene
Concen: 17.48 ng
RT: 14.74 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion:202 Resp: 248142

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.5	26.3
203	18.0	13.9	20.9



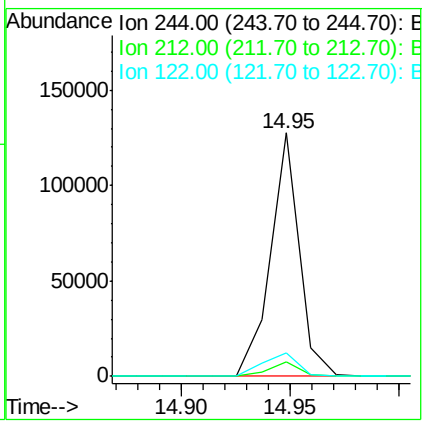


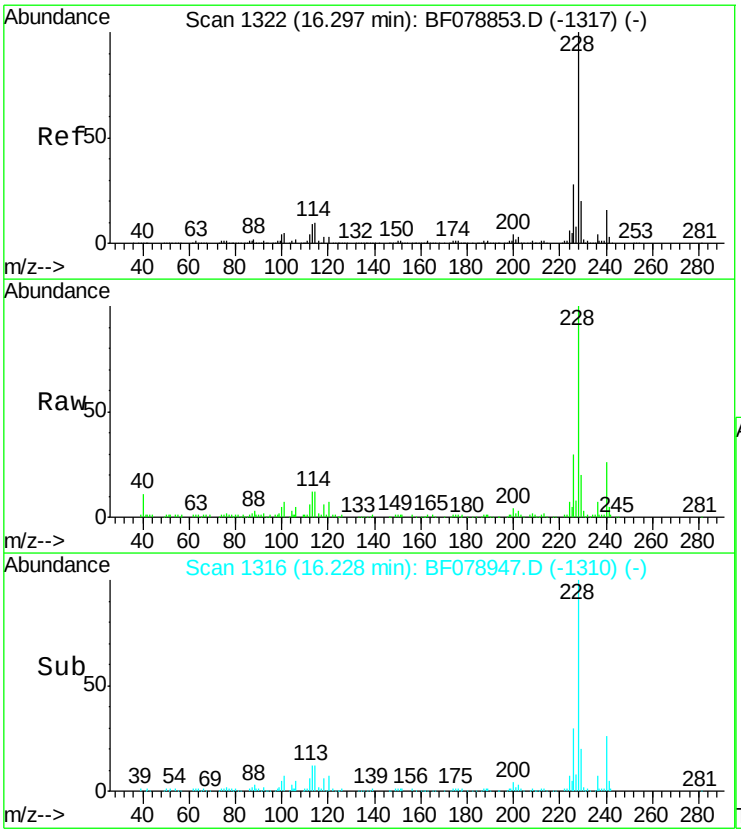
#78
Terphenyl-d14
Concen: 11.54 ng
RT: 14.95 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Instrument :
BNA_F
ClientSampleId :
SB-48S

Tgt Ion:244 Resp: 118684

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.6	8.4
122	9.9	10.3	15.5#

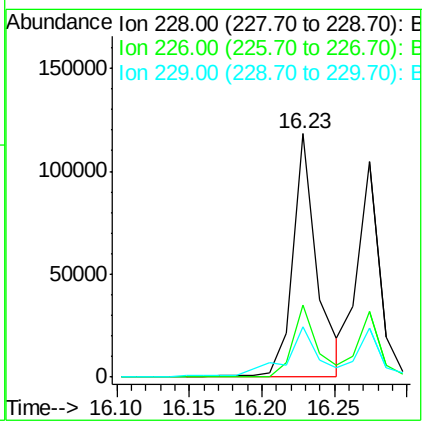


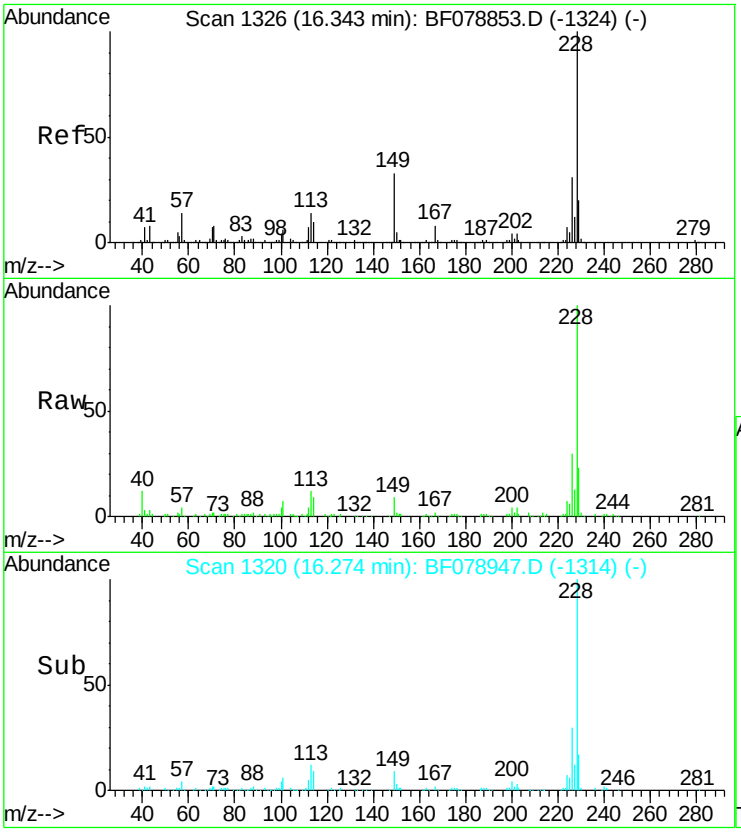


#80
Benzo(a)anthracene
Concen: 10.05 ng
RT: 16.23 min Scan# 1316
Delta R.T. -0.03 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion:228 Resp: 135624

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	20.4	15.9	23.9



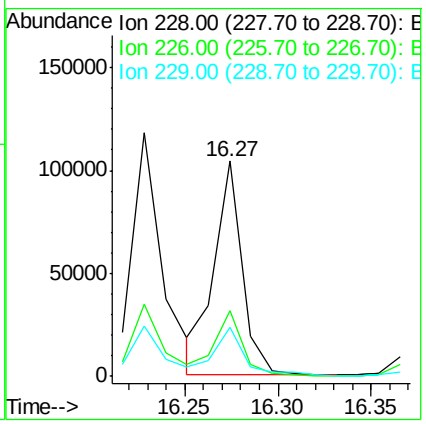


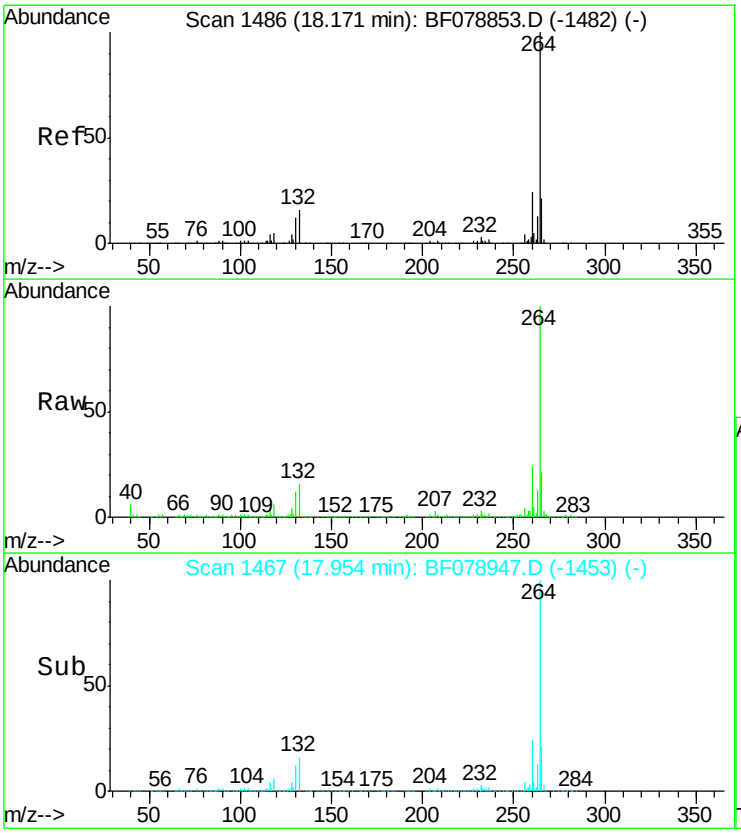
#82
Chrysene
Concen: 8.34 ng
RT: 16.27 min Scan# 1320
Delta R.T. -0.03 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Instrument :
BNA_F
ClientSampleId :
SB-48S

Tgt Ion:228 Resp: 108253

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	22.9	16.0	24.0

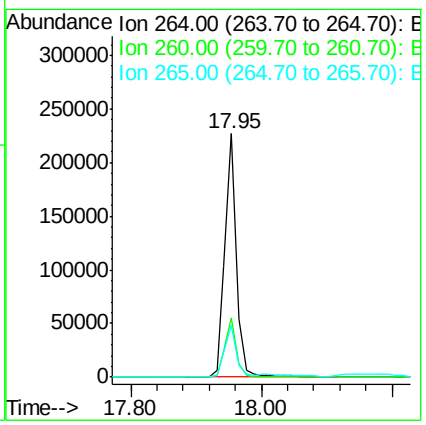


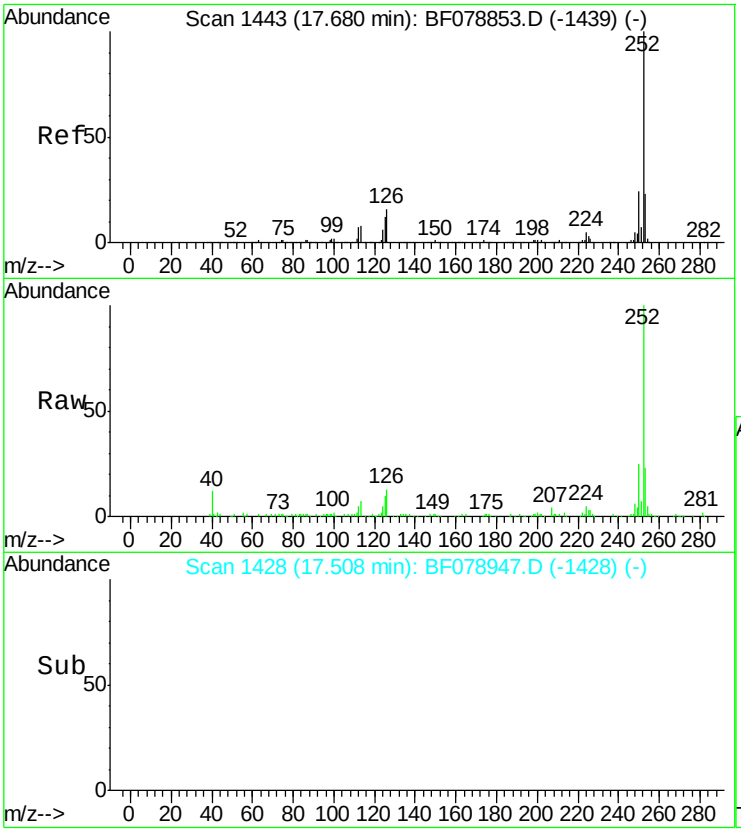


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.95 min Scan# 1467
Delta R.T. -0.14 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion:264 Resp: 282399

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	21.4	18.3	27.5



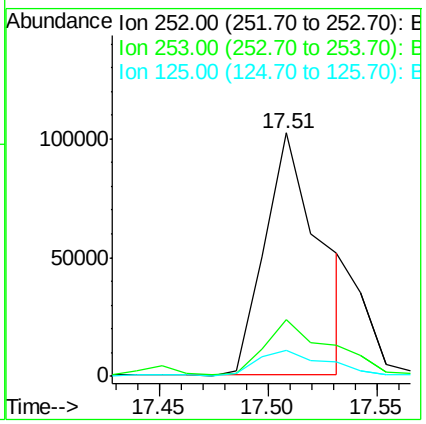


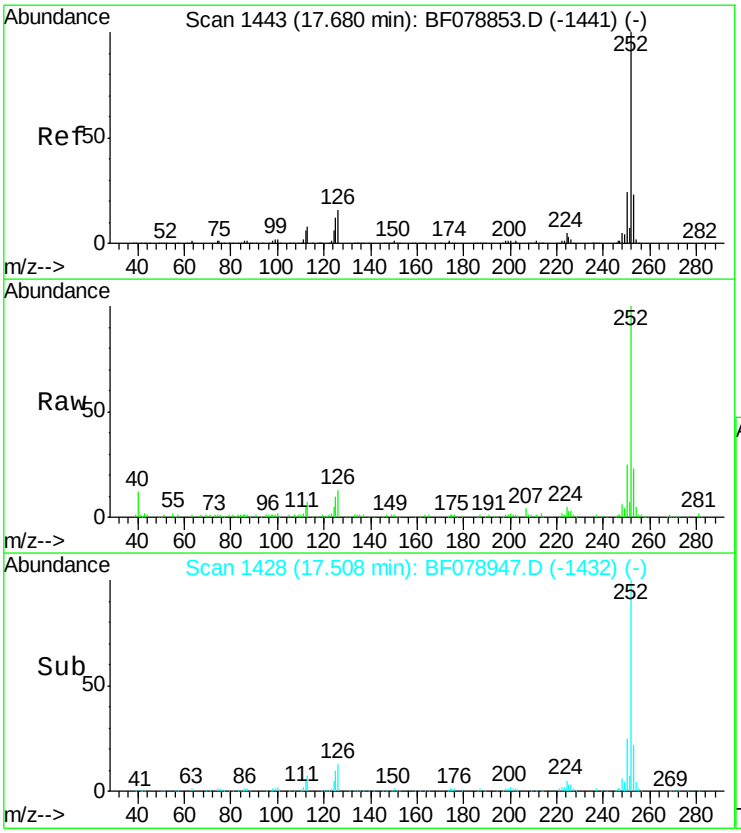
#87
Benzo(b)fluoranthene
Concen: 11.74 ng
RT: 17.51 min Scan# 1428
Delta R.T. -0.10 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Instrument :
BNA_F
ClientSampleId :
SB-48S

Tgt Ion:252 Resp: 181532

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	10.5	9.5	14.3

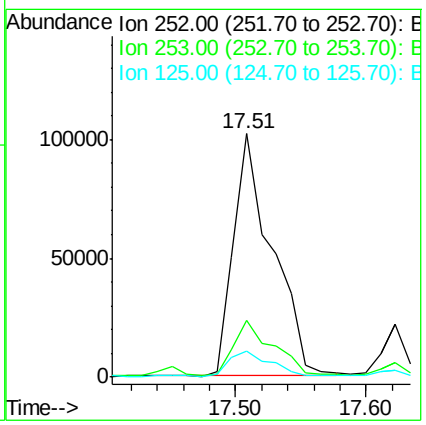


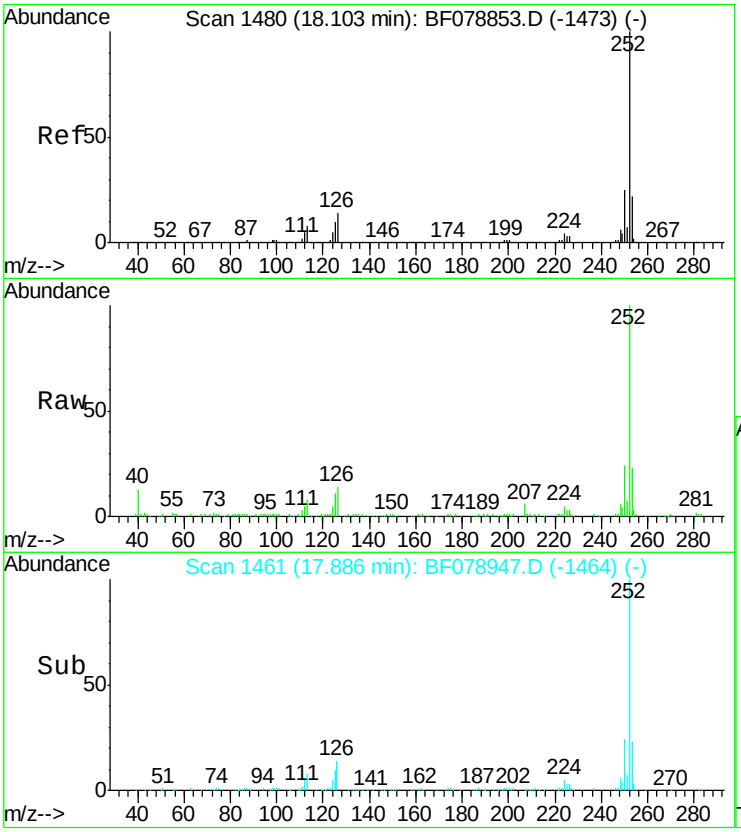


#88
Benzo(k)fluoranthene
Concen: 14.10 ng
RT: 17.51 min Scan# 1428
Delta R.T. -0.15 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion:252 Resp: 210957

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	10.5	10.0	15.0



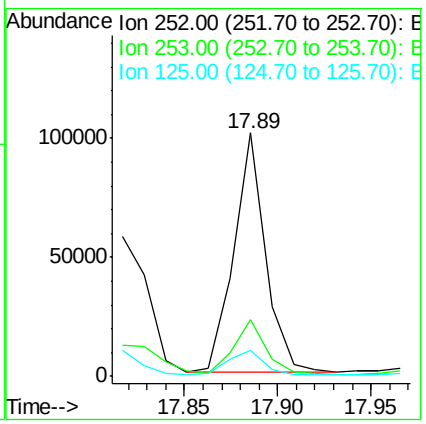


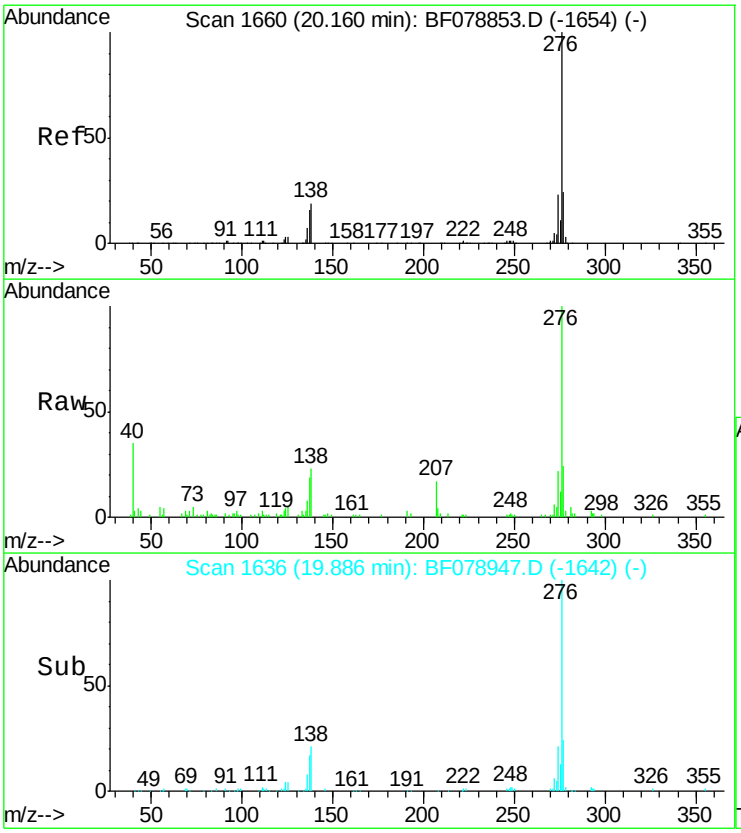
#89
Benzo(a)pyrene
Concen: 8.38 ng
RT: 17.89 min Scan# 1461
Delta R.T. -0.14 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Instrument :
BNA_F
ClientSampleId :
SB-48S

Tgt Ion:252 Resp: 119233

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	10.9	7.0	10.6#





#91
Benzo(g,h,i)perylene
Concen: 5.31 ng
RT: 19.89 min Scan# 1636
Delta R.T. -0.17 min
Lab File: BF078947.D
Acq: 5 May 2015 18:25

Tgt Ion:276 Resp: 80434

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	22.7	17.4	26.0