Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051915\
Data File : BF079363.D
Acq On : 20 May 2015 3:31
Operator : TP/IZ
Sample : G2281-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05

Quant Time: May 20 06:31:52 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 20 05:08:22 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	45923	20.00	ng	0.00
21) Naphthalene-d8	8.71	136	194393	20.00	ng	0.00
38) Acenaphthene-d10	10.87	164	94690	20.00	ng	-0.01
63) Phenanthrene-d10	12.72	188	181817	20.00	ng	0.00
75) Chrysene-d12	16.00	240	202196	20.00	ng	-0.02
86) Perylene-d12	17.69	264	228339	20.00	ng	-0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	289807	108.63	ng	0.00
7) Phenol-d6	6.71	99	398437	112.99	ng	0.00
23) Nitrobenzene-d5	7.82	82	223757	66.15	ng	-0.01
41) 2,4,6-Tribromophenol	11.85	330	115317	112.57	ng	-0.01
44) 2-Fluorobiphenyl	10.04	172	445456	65.54	ng	-0.01
78) Terphenyl-d14	14.71	244	520461	61.63	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.73	128	126772	13.69	ng	99
37) 2-Methylnaphthalene	9.59	142	27280	4.25	ng	98
48) Acenaphthylene	10.70	152	149221	15.48	ng	98
49) Dimethylphthalate	10.56	163	35736	5.14	ng	99
51) Acenaphthene	10.91	154	29274	5.09	ng	99
54) Dibenzofuran	11.13	168	16846	2.03	ng	94
57) Fluorene	11.55	166	38619	5.67	ng	100
70) Phenanthrene	12.74	178	394406	38.78	ng	99
71) Anthracene	12.81	178	199551	20.00	ng	99
74) Fluoranthene	14.22	202	695630	65.63	ng	99
77) Pyrene	14.50	202	731254	62.76	ng	99
80) Benzo(a)anthracene	15.99	228	495339m	44.74	ng	
82) Chrysene	16.03	228	402996	37.84	ng	97
85) Indeno(1,2,3-cd)pyrene	19.06	276	346471	25.53	ng	96
87) Benzo(b)fluoranthene	17.27	252	581937m	46.56	ng	
88) Benzo(k)fluoranthene	17.29	252	220828m	18.25	ng	
89) Benzo(a)pyrene	17.63	252	498344	43.30	ng	98
90) Dibenzo(a,h)anthracene	19.07	278	80173m	6.56	ng	
91) Benzo(g,h,i)perylene	19.47	276	354999	28.96	ng	97

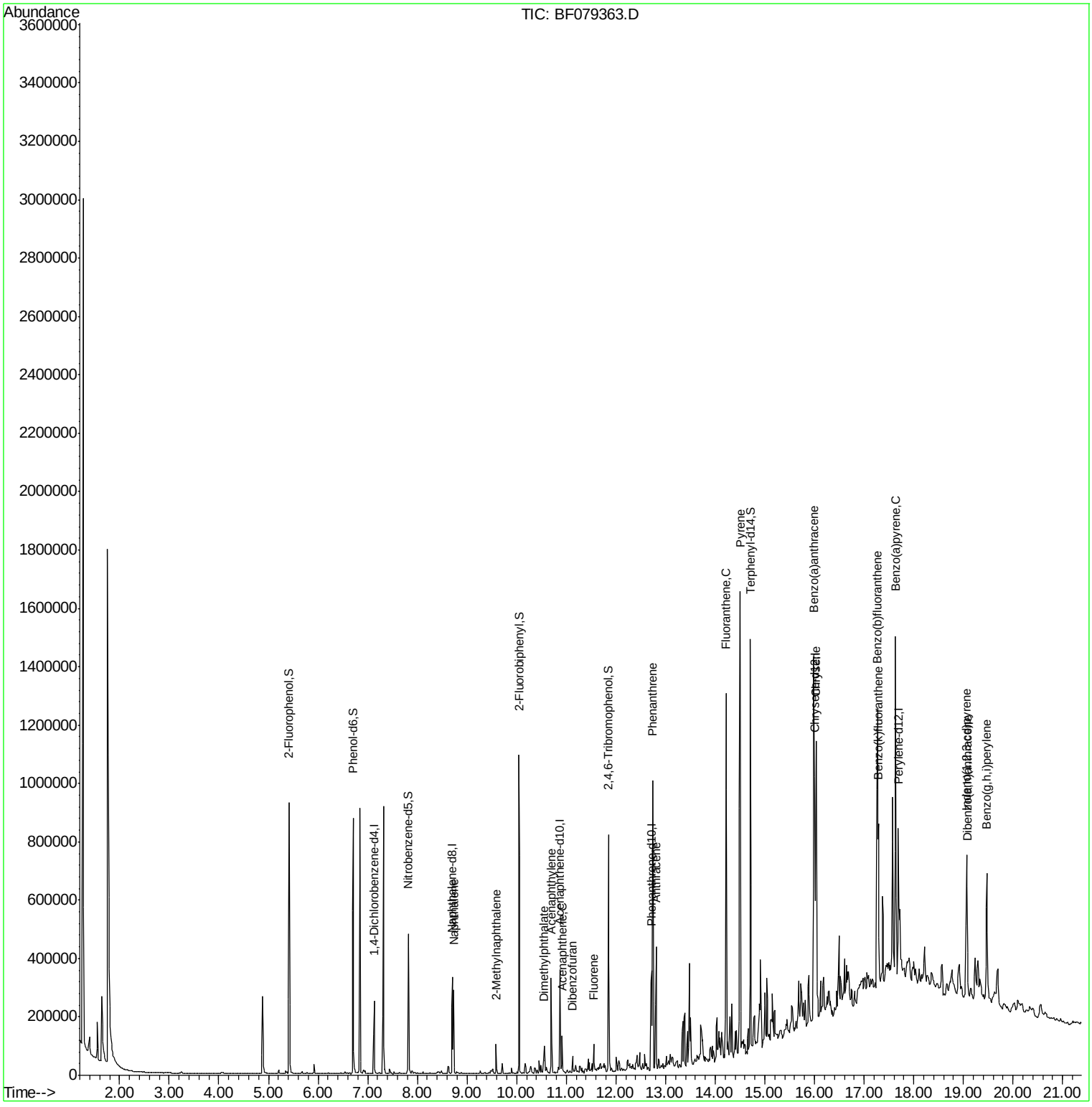
(#) = qualifier out of range (m) = manual integration (+) = signals summed

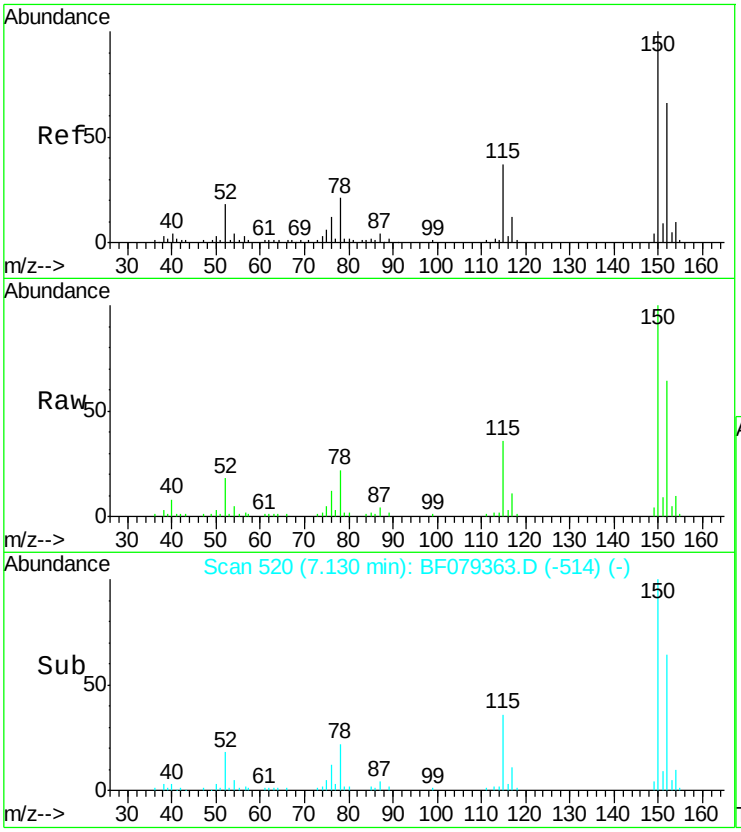
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051915\
Data File : BF079363.D
Acq On : 20 May 2015 3:31
Operator : TP/IZ
Sample : G2281-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-05

Quant Time: May 20 06:31:52 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 20 05:08:22 2015
Response via : Initial Calibration



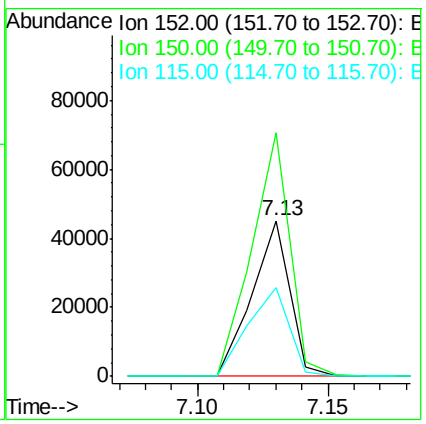


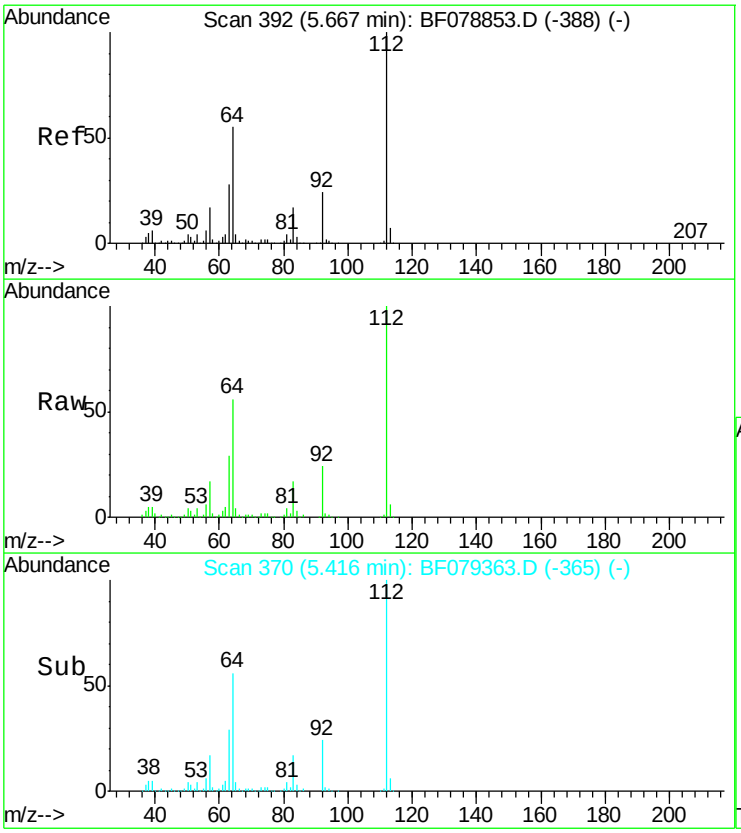
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.13 min Scan# 520
Delta R.T. -0.00 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion:152 Resp: 45923

Ion	Ratio	Lower	Upper
152	100		
150	156.3	123.8	185.8
115	57.1	49.4	74.0

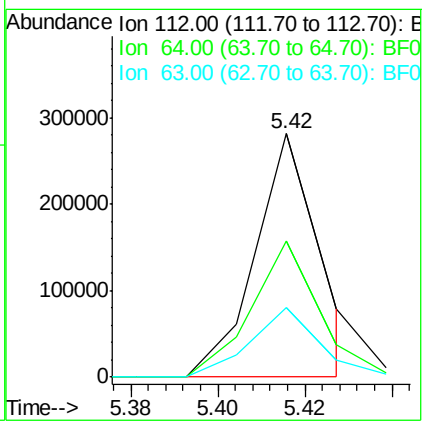


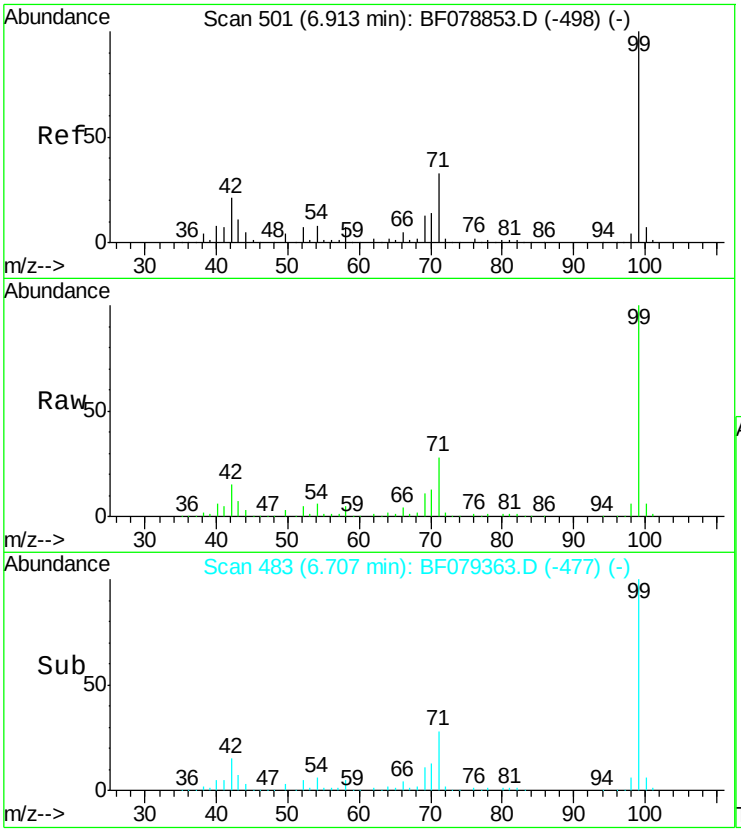


#5
2-Fluorophenol
Concen: 108.63 ng
RT: 5.42 min Scan# 370
Delta R.T. -0.00 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:112 Resp: 289807

Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.2	66.2
63	28.6	22.7	34.1



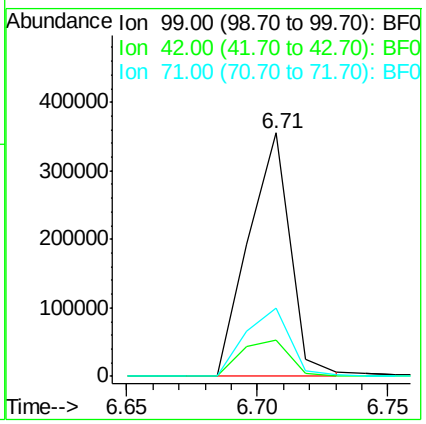


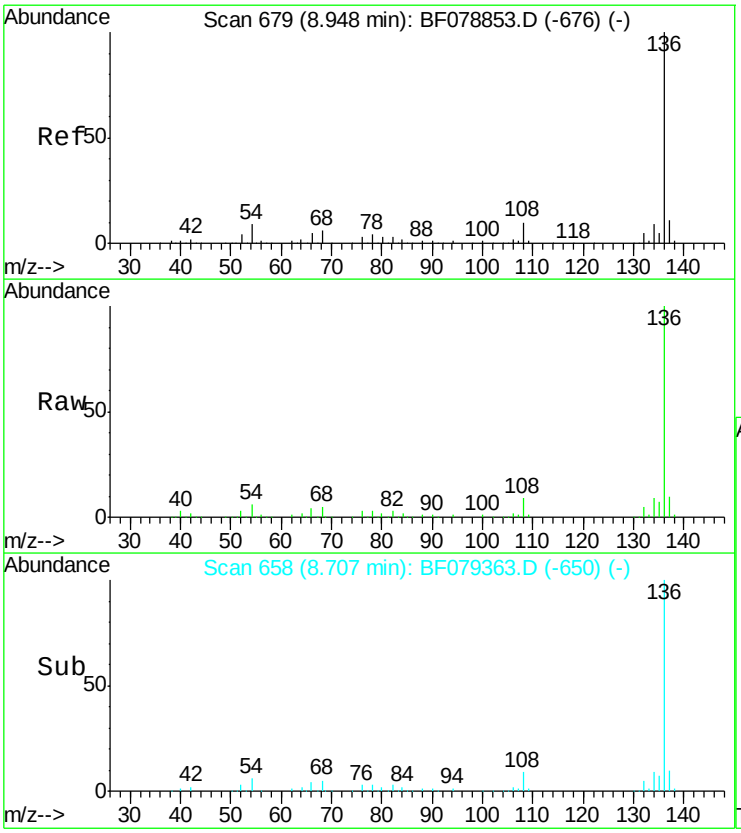
#7
Phenol-d6
Concen: 112.99 ng
RT: 6.71 min Scan# 483
Delta R.T. -0.00 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion: 99 Resp: 398437

Ion	Ratio	Lower	Upper
99	100		
42	14.7	17.1	25.7#
71	28.0	26.3	39.5

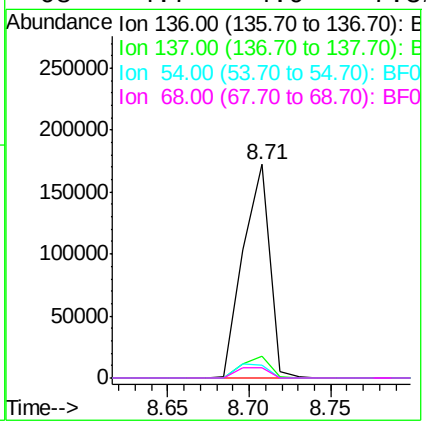


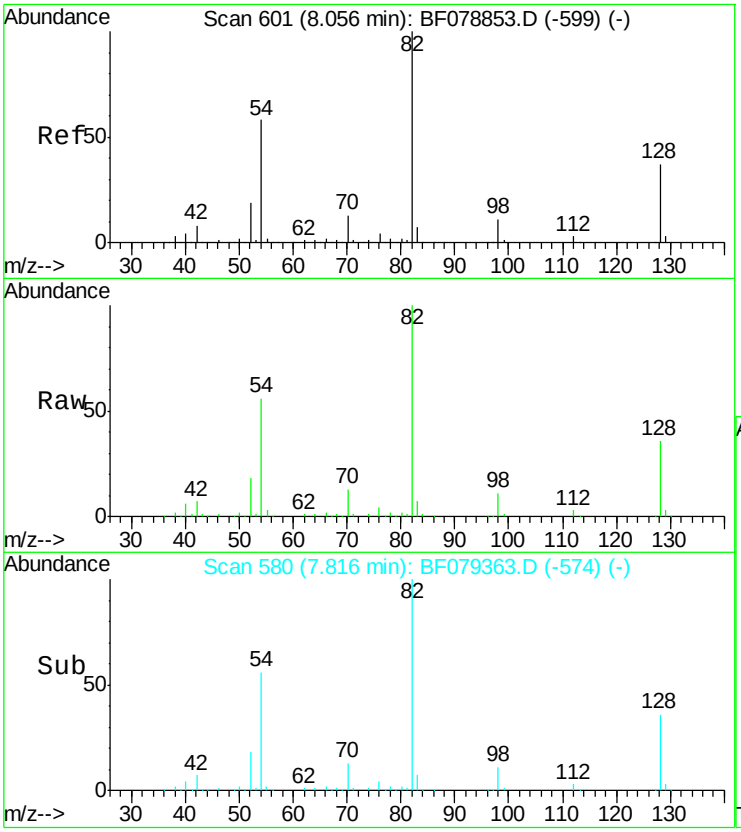


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:136 Resp: 194393

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	5.8	6.9	10.3#
68	4.7	4.9	7.3#



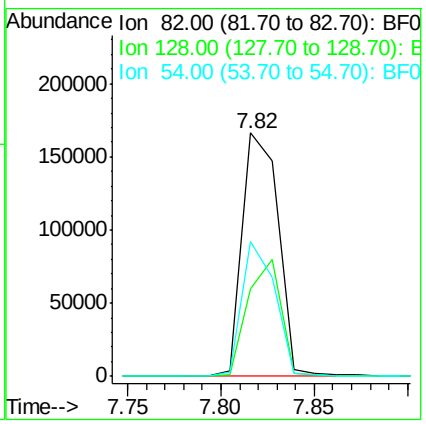


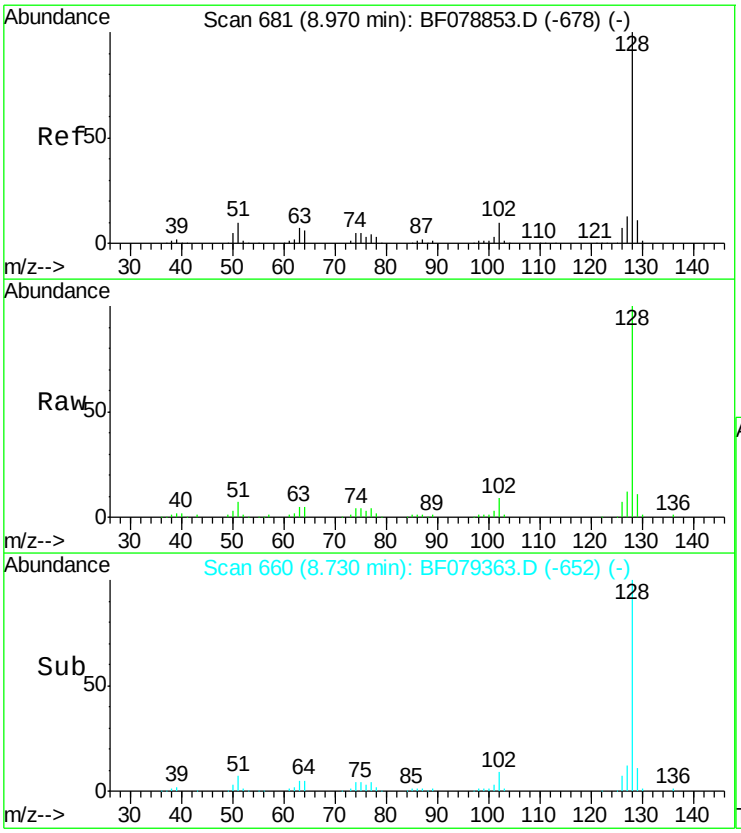
#23
Nitrobenzene-d5
Concen: 66.15 ng
RT: 7.82 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion: 82 Resp: 223757

Ion	Ratio	Lower	Upper
82	100		
128	36.1	29.7	44.5
54	55.6	46.2	69.4

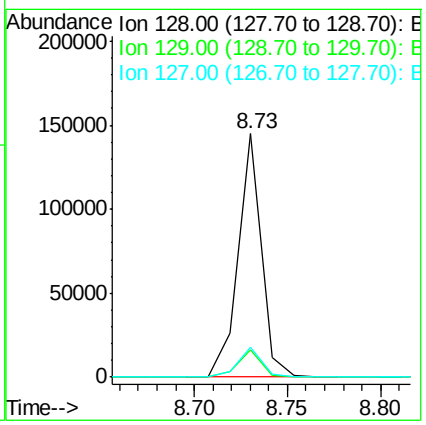


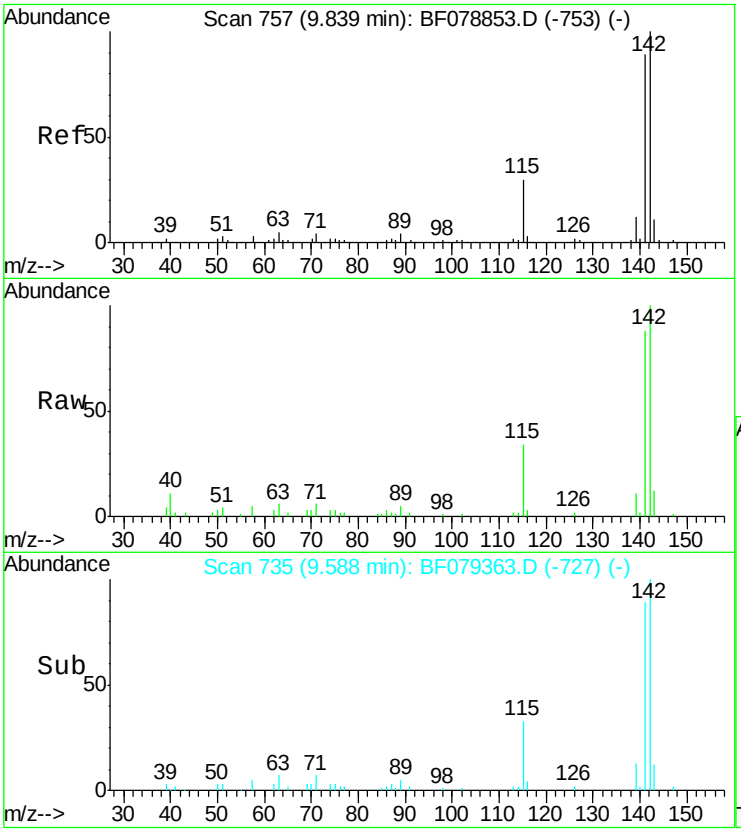


#31
Naphthalene
Concen: 13.69 ng
RT: 8.73 min Scan# 660
Delta R.T. -0.00 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:128 Resp: 126772

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	12.3	10.3	15.5



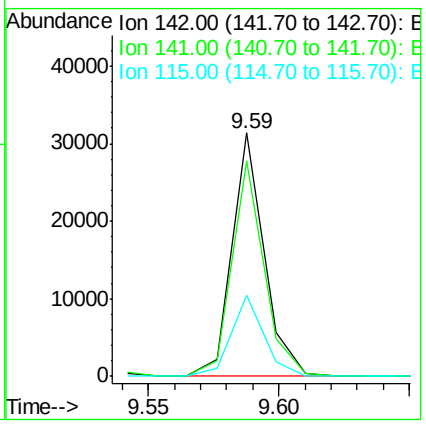


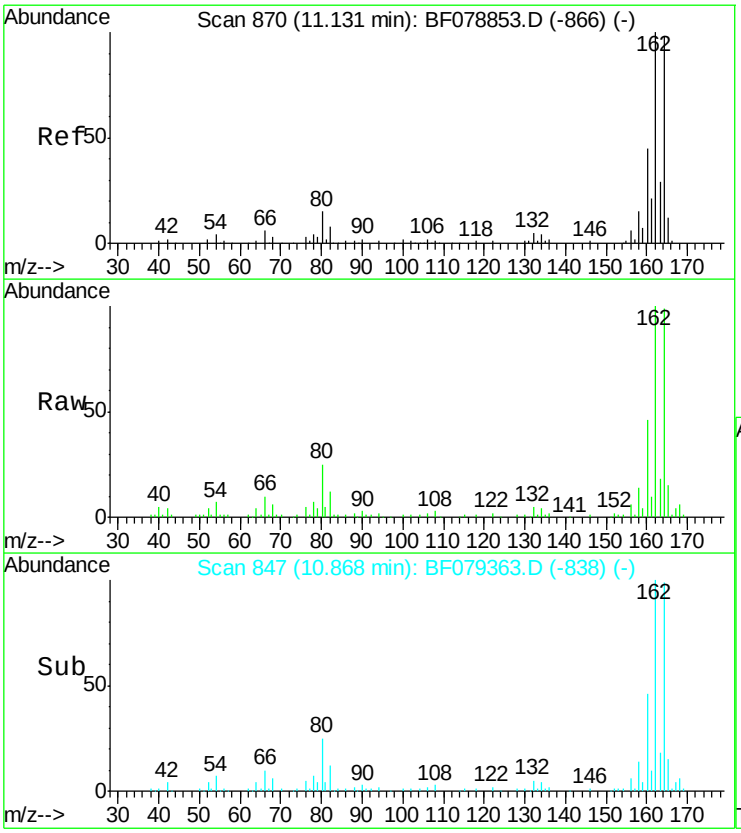
#37
2-Methylnaphthalene
Concen: 4.25 ng
RT: 9.59 min Scan# 735
Delta R.T. -0.00 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion:142 Resp: 27280

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.6	107.4
115	33.5	24.2	36.4

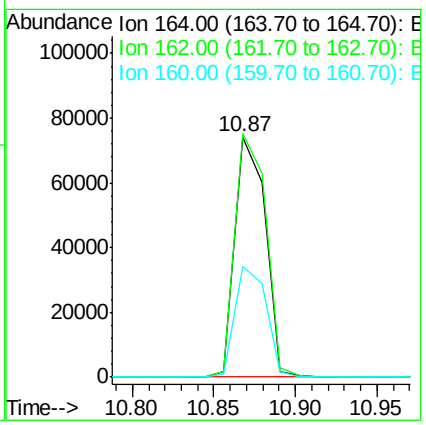


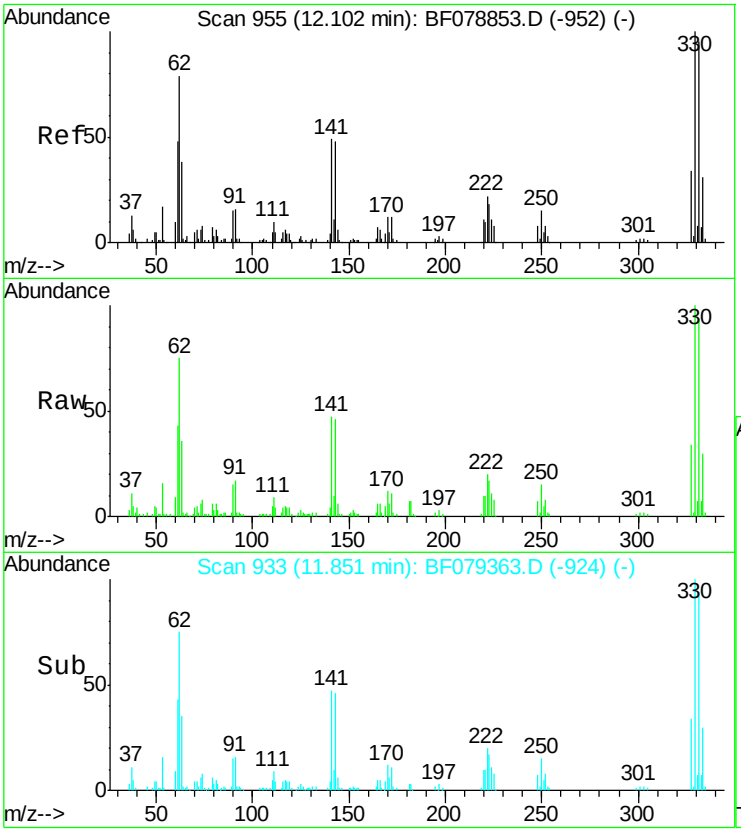


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.87 min Scan# 847
Delta R.T. -0.01 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:164 Resp: 94690

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.4	122.0
160	46.2	36.6	54.8



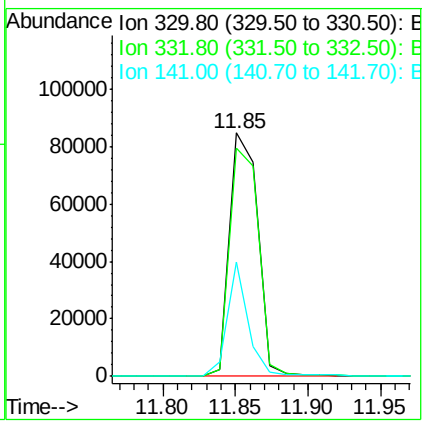


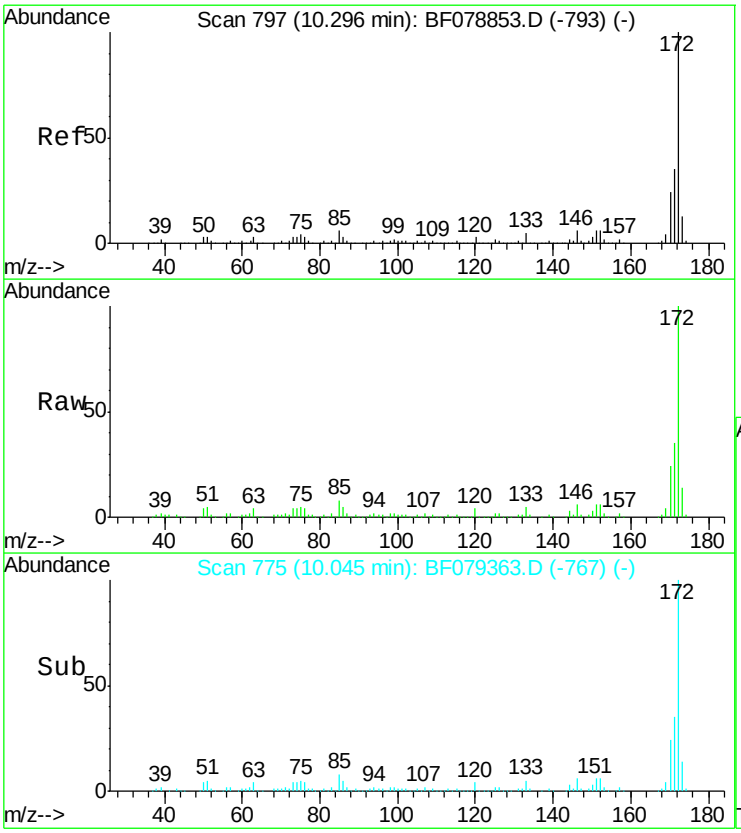
#41
2,4,6-Tribromophenol
Concen: 112.57 ng
RT: 11.85 min Scan# 933
Delta R.T. -0.01 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion:330 Resp: 115317

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.9	115.3
141	35.4	27.8	41.8

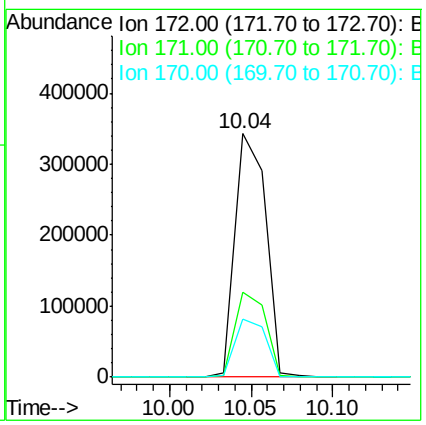


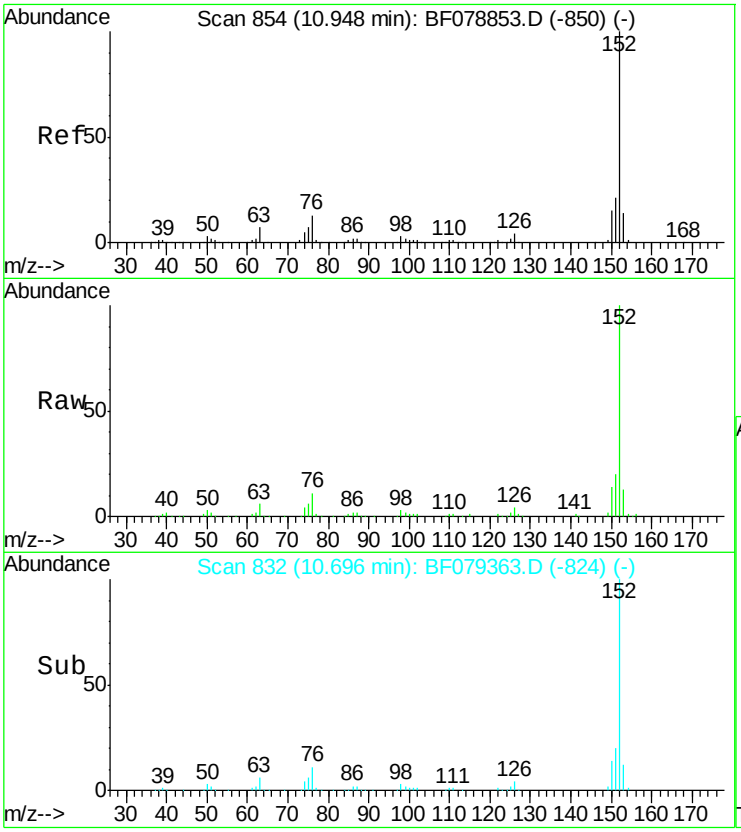


#44
2-Fluorobiphenyl
Concen: 65.54 ng
RT: 10.04 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:172 Resp: 445456

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	23.9	19.4	29.2



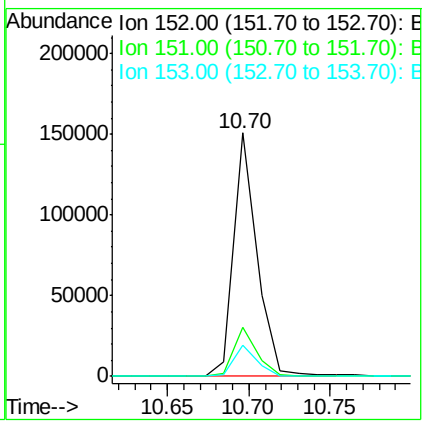


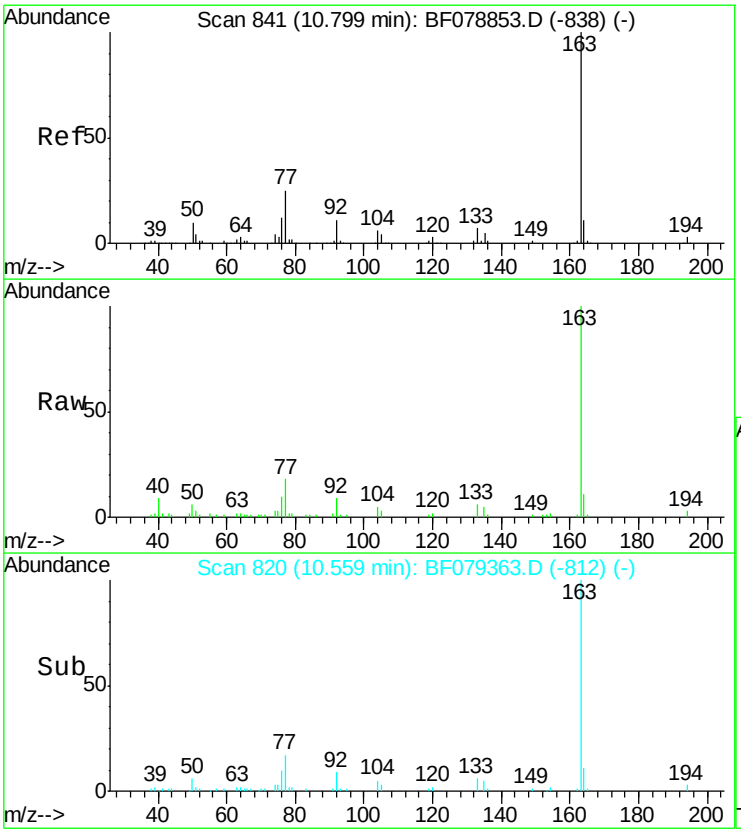
#48
Acenaphthylene
Concen: 15.48 ng
RT: 10.70 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion:152 Resp: 149221

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.6	24.8
153	12.9	11.0	16.6

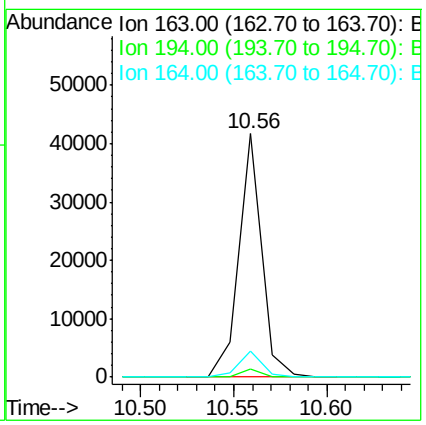


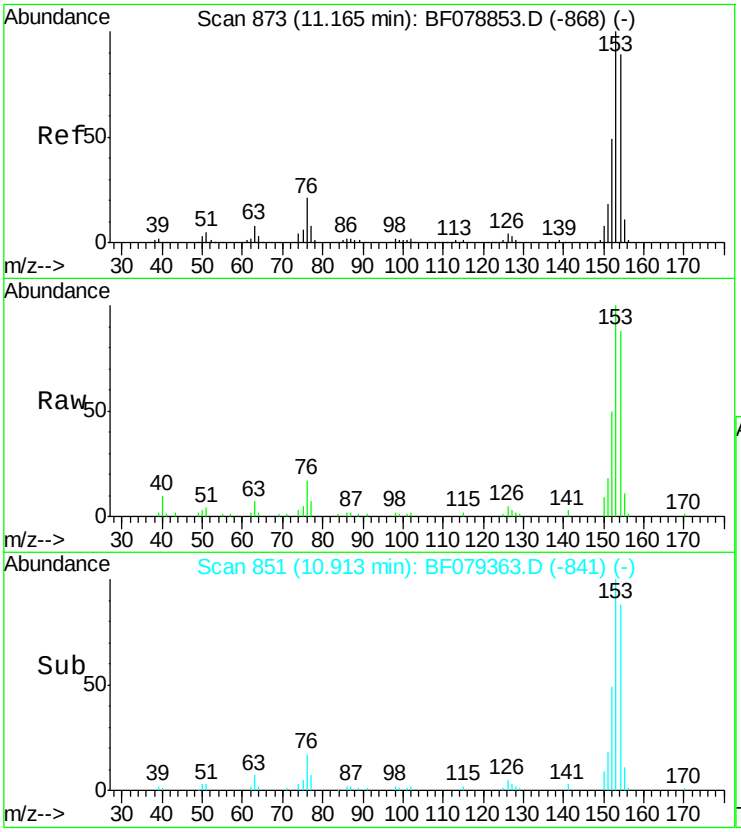


#49
Dimethylphthalate
Concen: 5.14 ng
RT: 10.56 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:163 Resp: 35736

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.4	3.6
164	10.9	8.6	12.8



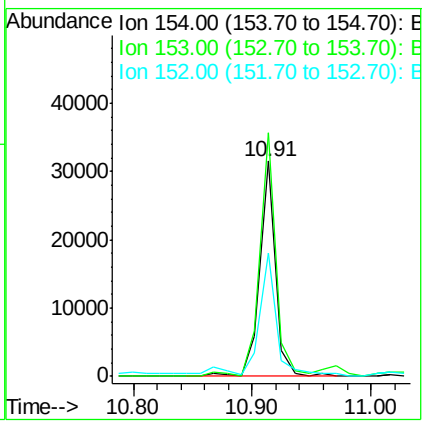


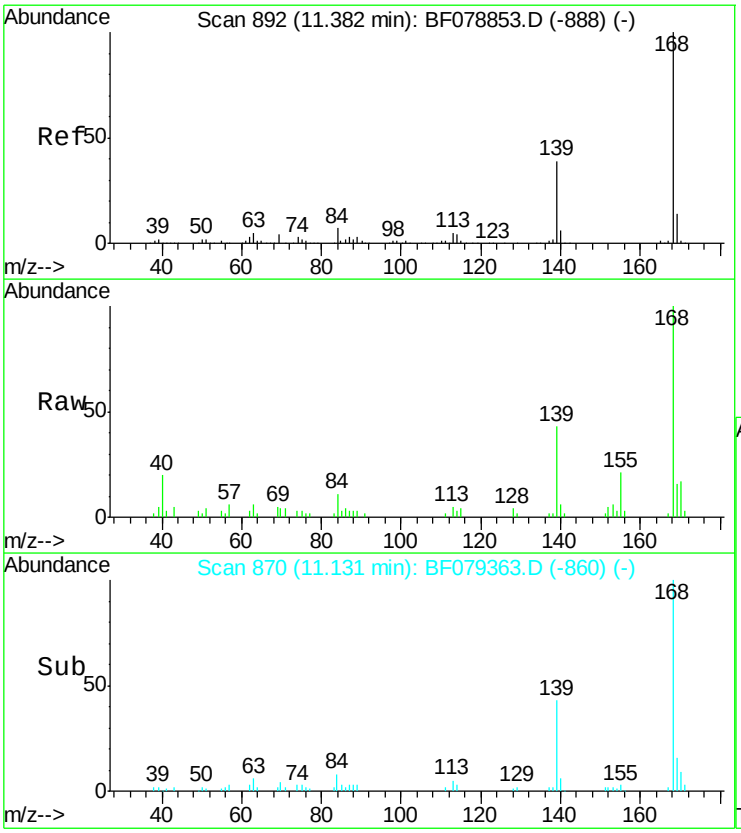
#51
Acenaphthene
Concen: 5.09 ng
RT: 10.91 min Scan# 851
Delta R.T. -0.00 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion:154 Resp: 29274

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.2	135.2
152	57.1	43.8	65.8

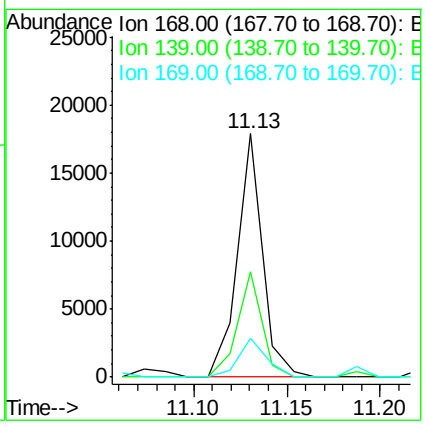


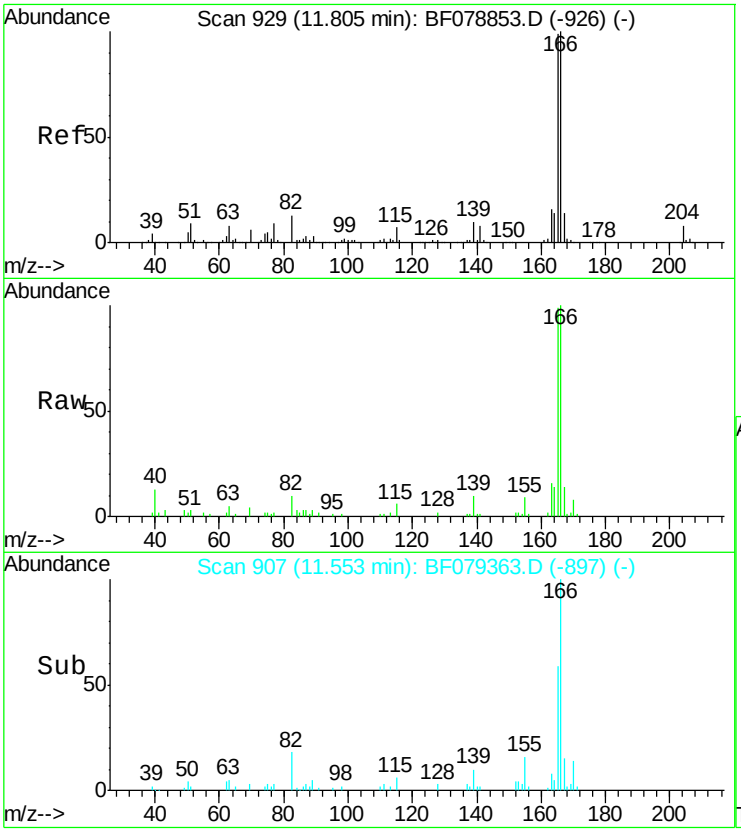


#54
Dibenzofuran
Concen: 2.03 ng
RT: 11.13 min Scan# 870
Delta R.T. -0.00 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:168 Resp: 16846

Ion	Ratio	Lower	Upper
168	100		
139	43.2	31.5	47.3
169	16.1	11.0	16.4



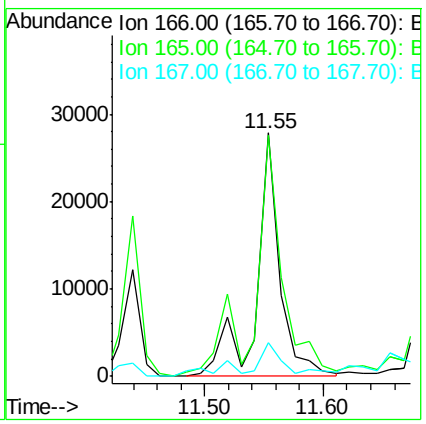


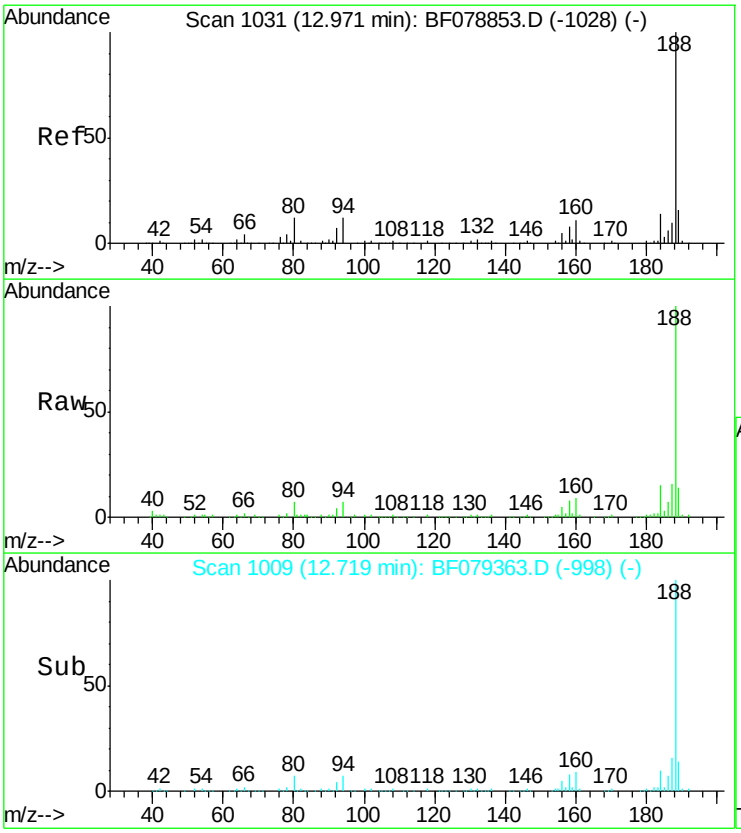
#57
Fluorene
Concen: 5.67 ng
RT: 11.55 min Scan# 907
Delta R.T. -0.00 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion:166 Resp: 38619

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.5	119.3
167	13.8	11.0	16.6

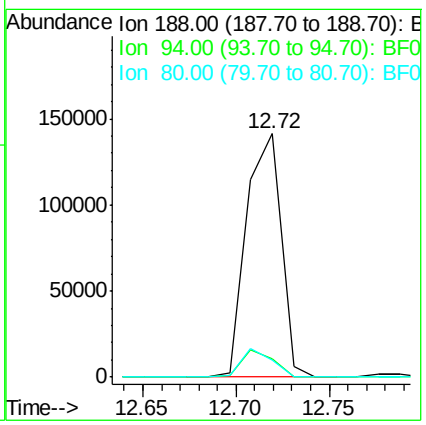


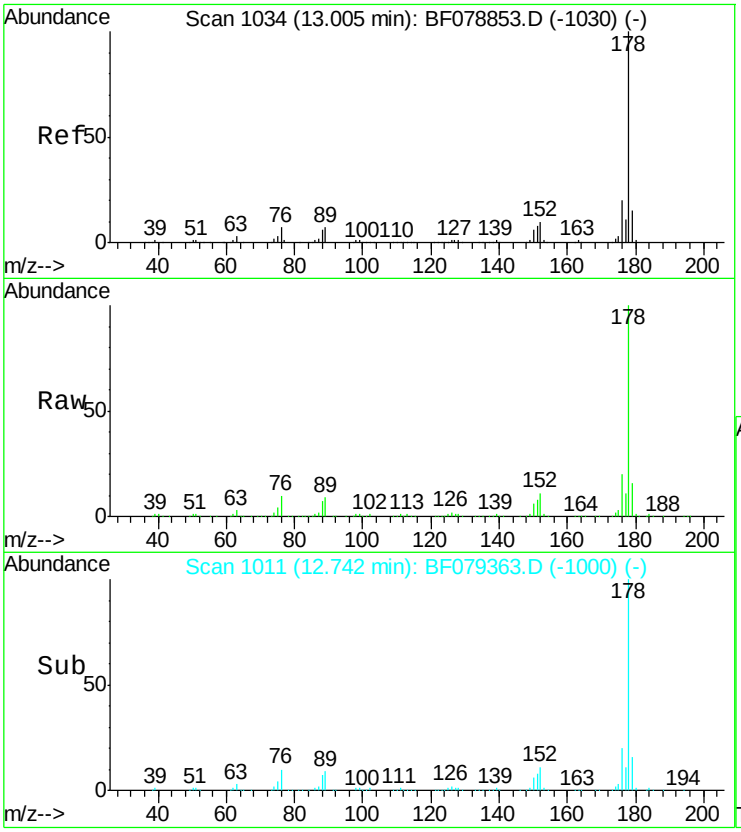


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.72 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:188 Resp: 181817

Ion	Ratio	Lower	Upper
188	100		
94	7.4	9.4	14.0#
80	7.2	9.8	14.6#



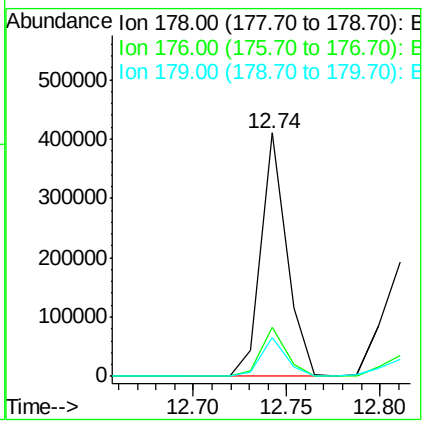


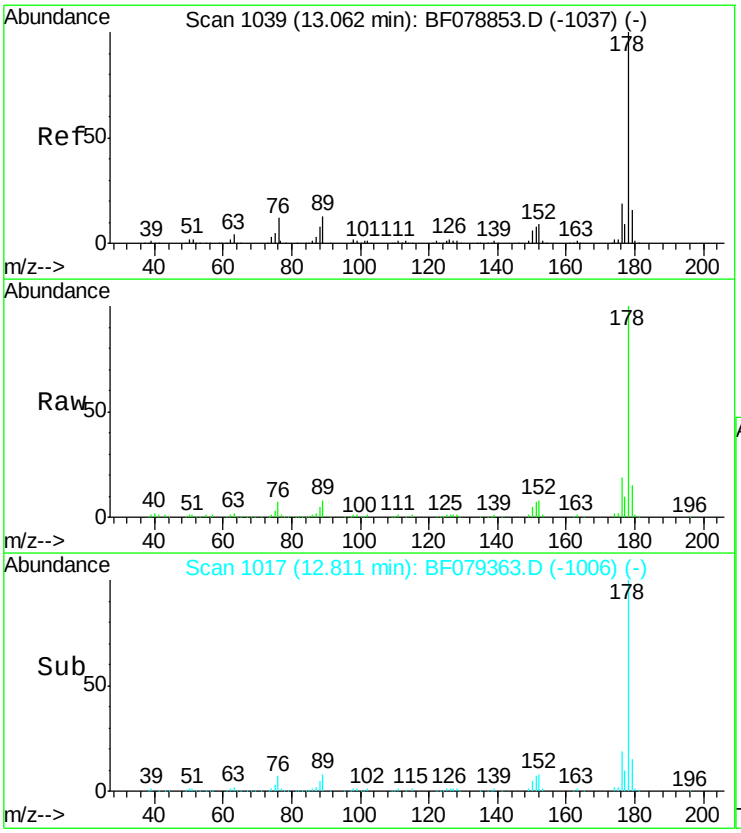
#70
Phenanthrene
Concen: 38.78 ng
RT: 12.74 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion:178 Resp: 394406

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	16.0	12.2	18.4

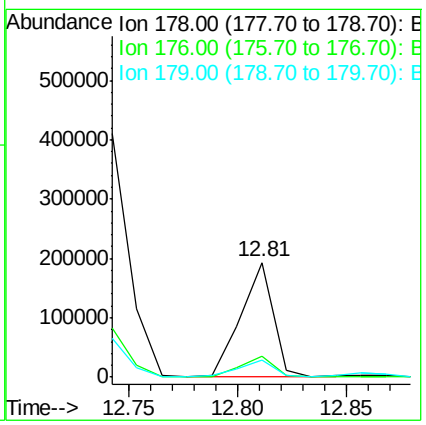


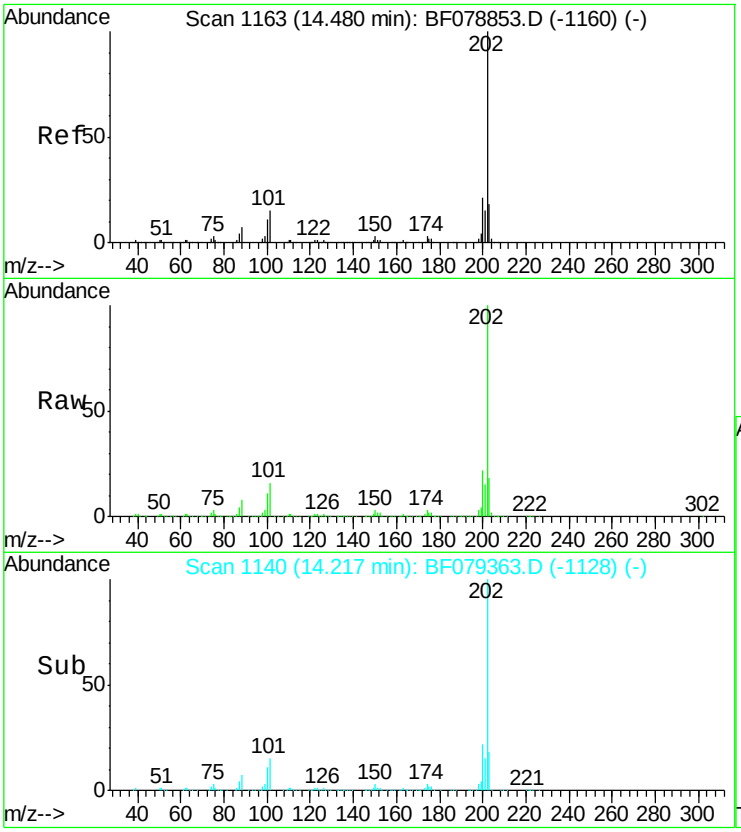


#71
Anthracene
Concen: 20.00 ng
RT: 12.81 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:178 Resp: 199551

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.1	12.6	19.0



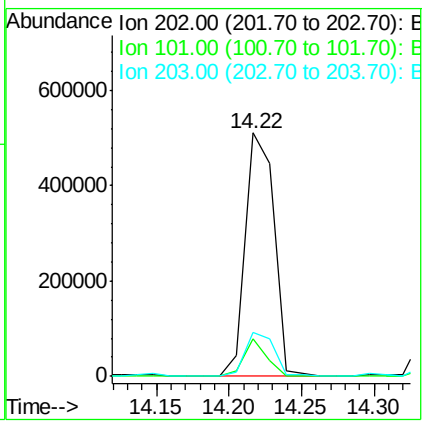


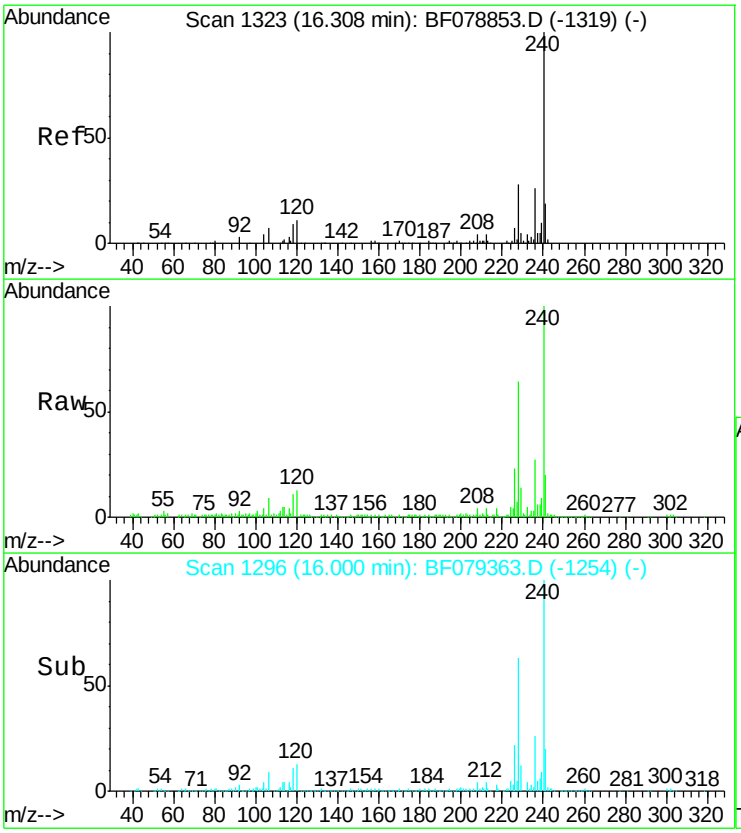
#74
Fluoranthene
Concen: 65.63 ng
RT: 14.22 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion:202 Resp: 695630

Ion	Ratio	Lower	Upper
202	100		
101	15.5	0.0	34.7
203	18.2	0.0	37.9

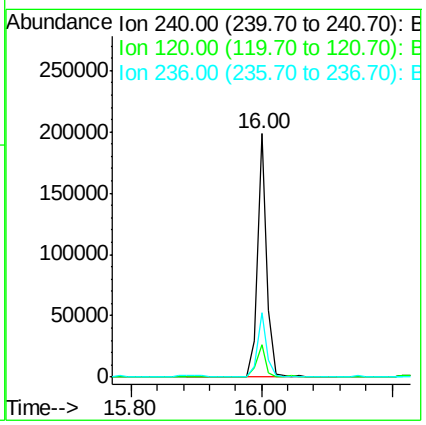


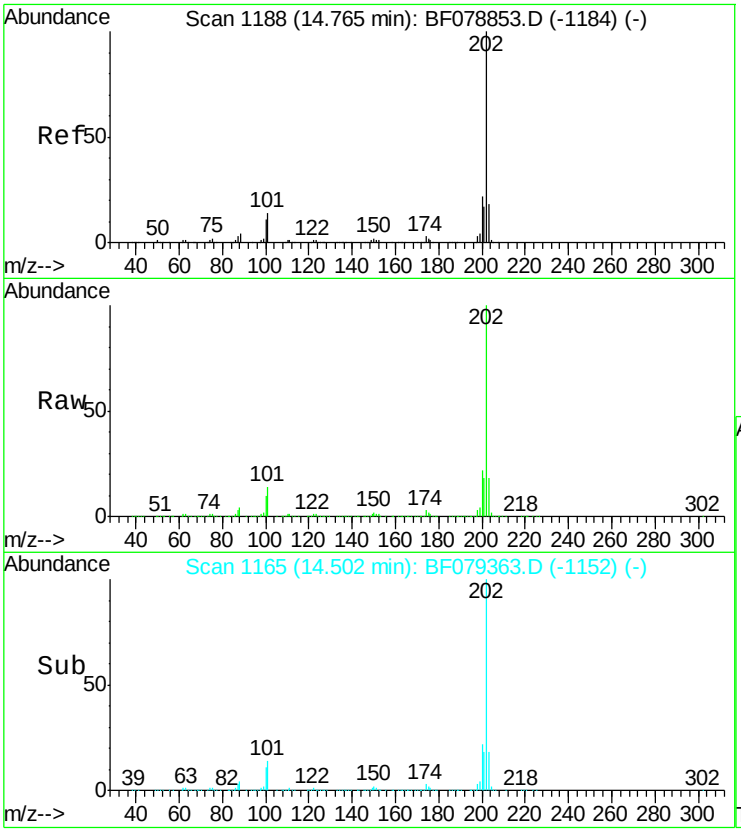


#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.00 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:240 Resp: 202196

Ion	Ratio	Lower	Upper
240	100		
120	13.2	8.6	12.8#
236	26.5	21.0	31.6



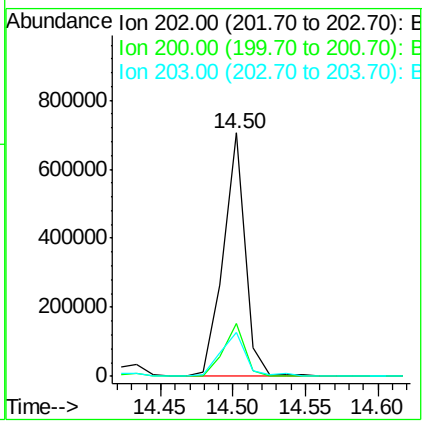


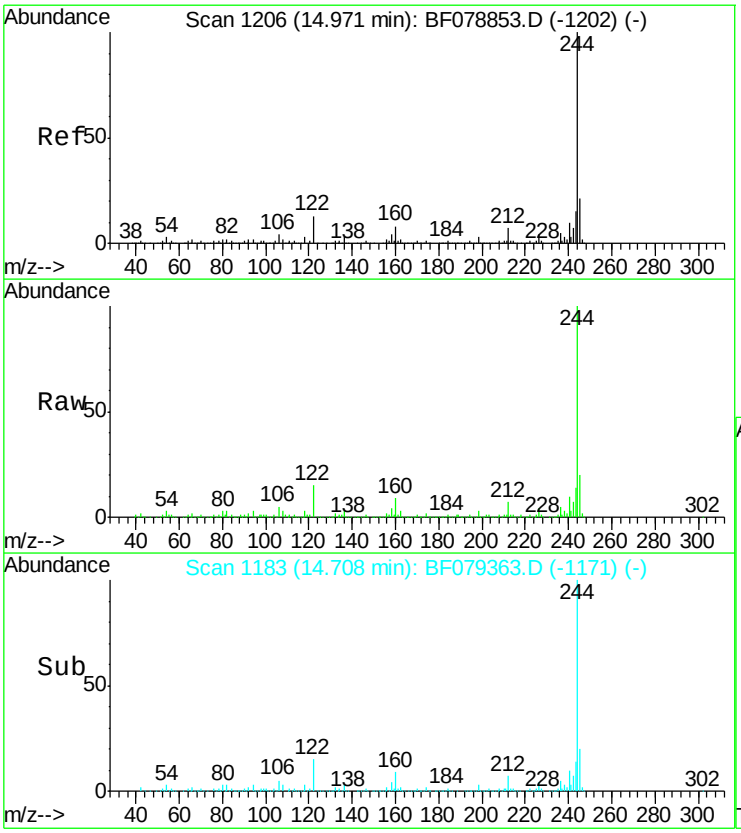
#77
Pyrene
Concen: 62.76 ng
RT: 14.50 min Scan# 1165
Delta R.T. -0.00 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion:202 Resp: 731254

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.5	26.3
203	18.0	14.7	22.1

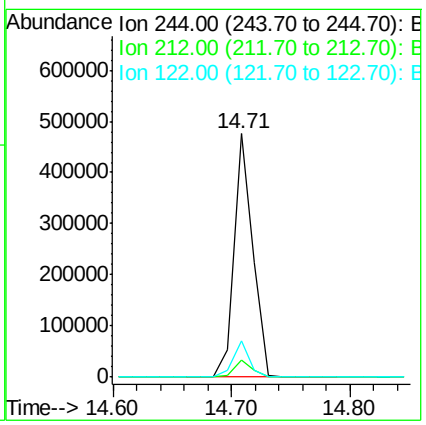


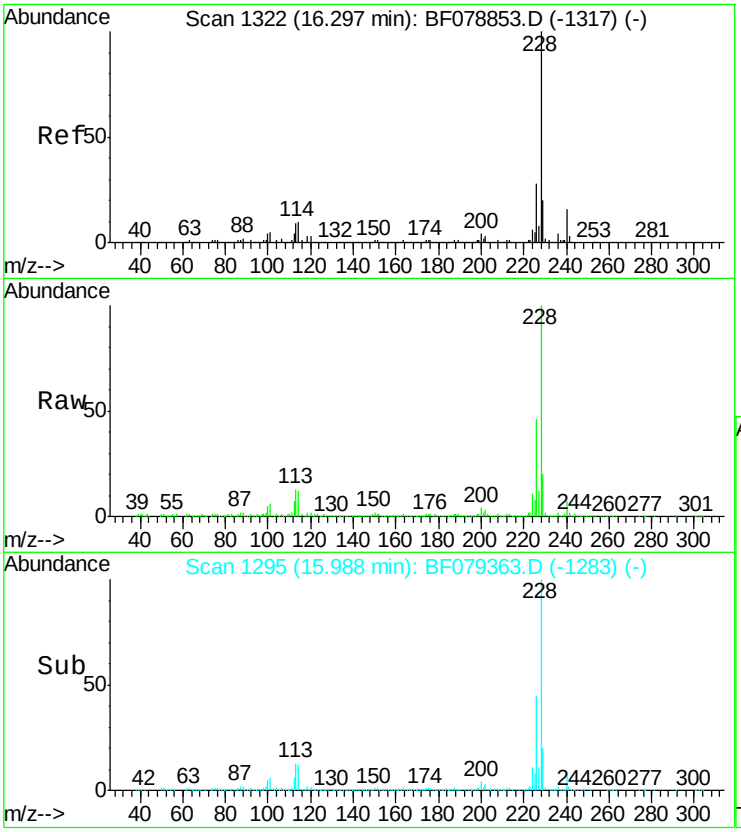


#78
Terphenyl-d14
Concen: 61.63 ng
RT: 14.71 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:244 Resp: 520461

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	14.7	10.5	15.7



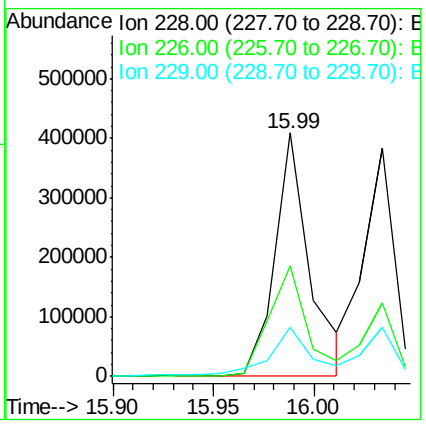


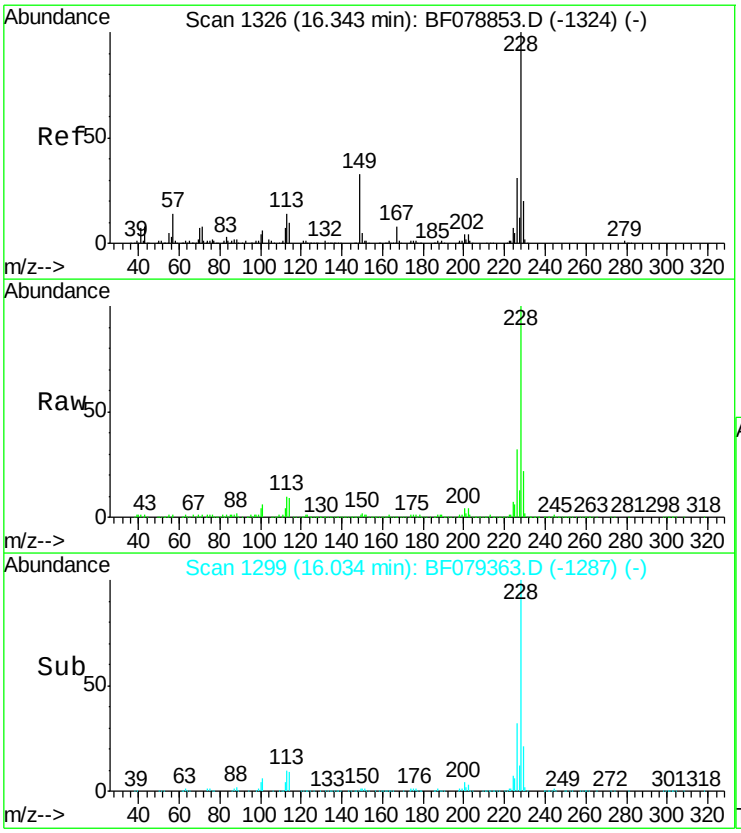
#80
Benzo(a)anthracene
Concen: 44.74 ng m
RT: 15.99 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion:228 Resp: 495339

Ion	Ratio	Lower	Upper
228	100		
226	45.6	22.3	33.5#
229	20.2	16.1	24.1

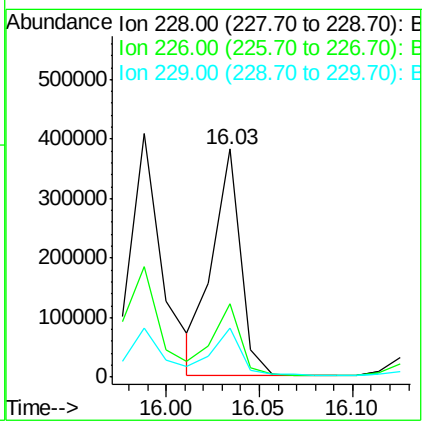


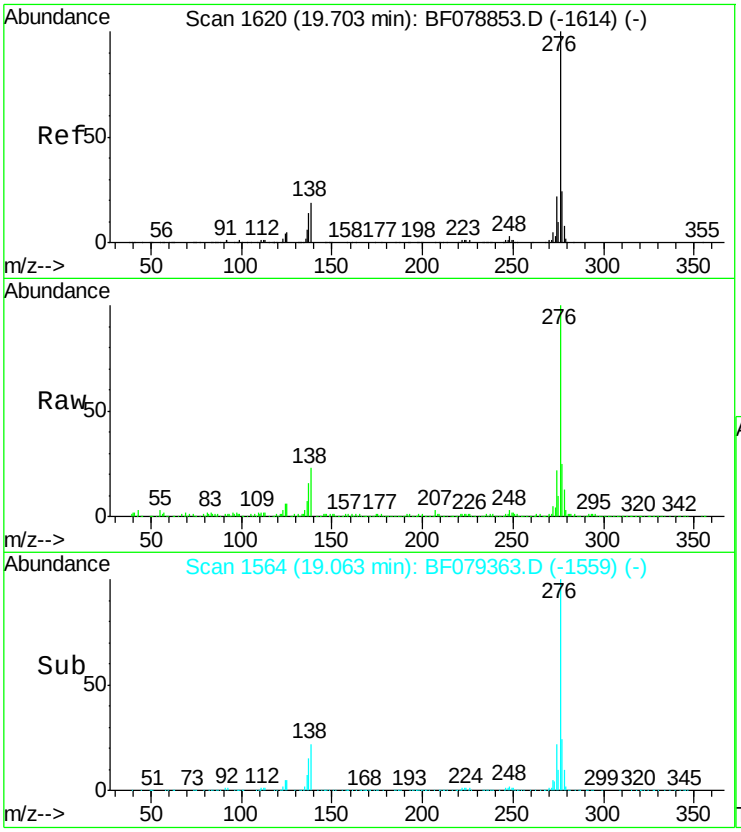


#82
Chrysene
Concen: 37.84 ng
RT: 16.03 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:228 Resp: 402996

Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.8	37.2
229	21.8	16.1	24.1



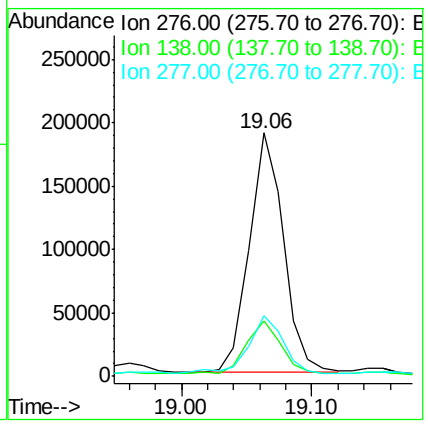


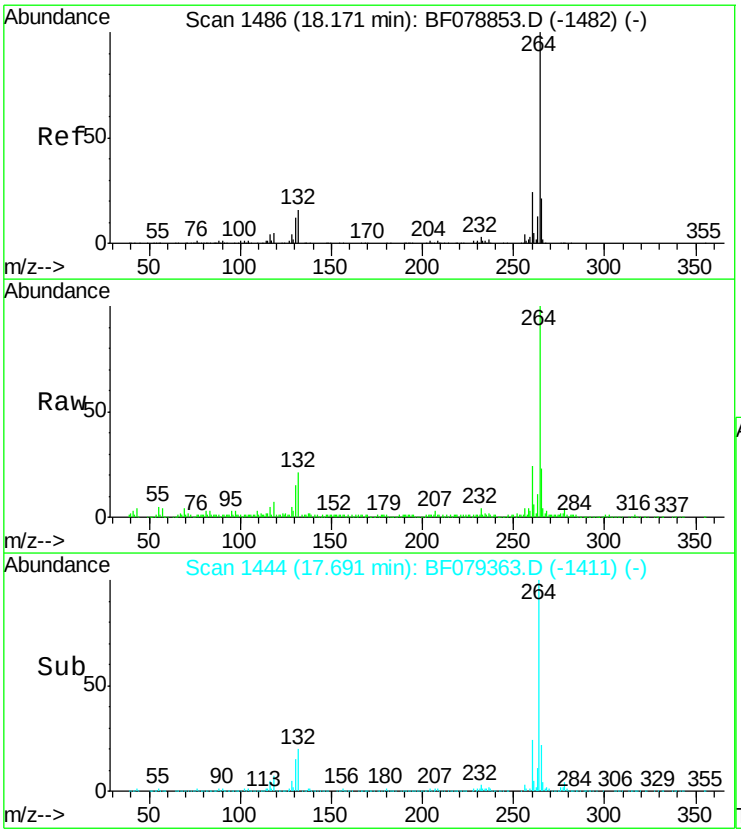
#85
Indeno(1,2,3-cd)pyrene
Concen: 25.53 ng
RT: 19.06 min Scan# 1564
Delta R.T. -0.15 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion:276 Resp: 346471

Ion	Ratio	Lower	Upper
276	100		
138	22.4	21.1	31.7
277	25.0	19.9	29.9

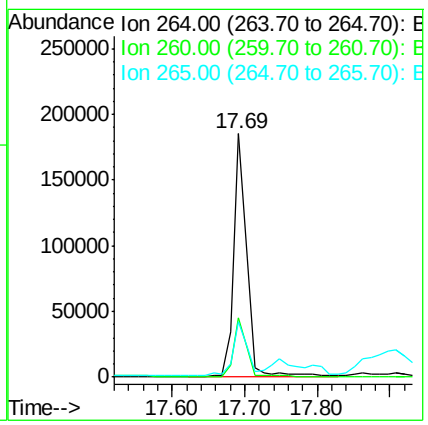


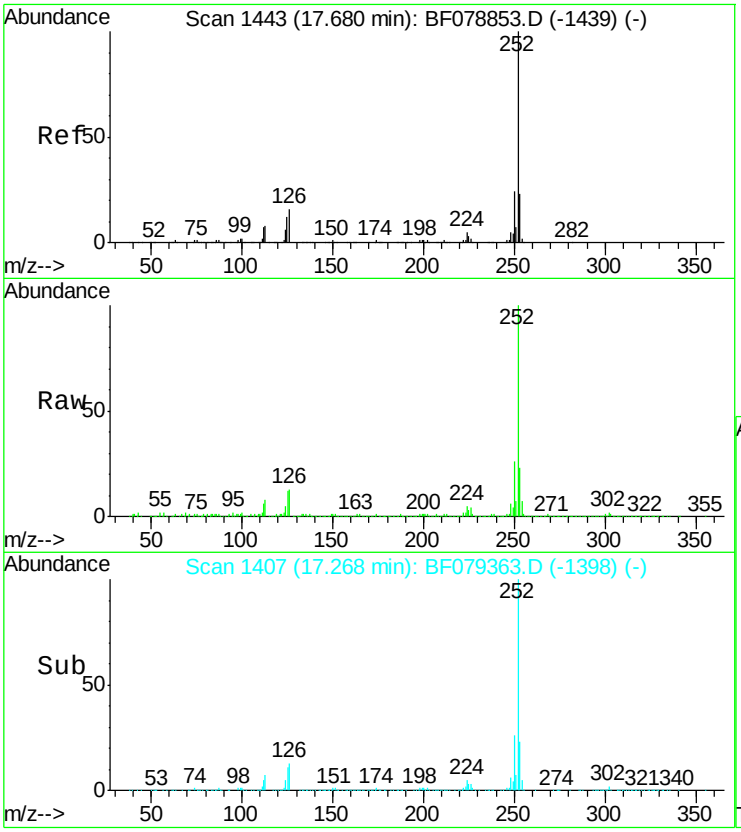


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.69 min Scan# 1444
Delta R.T. -0.13 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:264 Resp: 228339

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.7	17.2	25.8



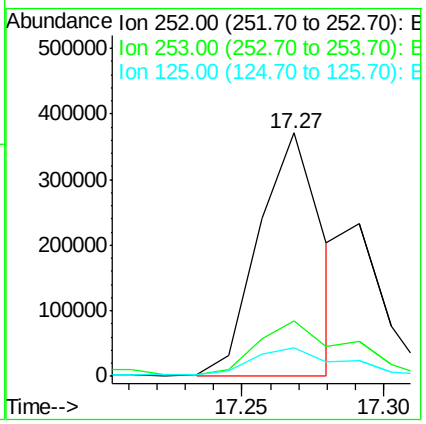


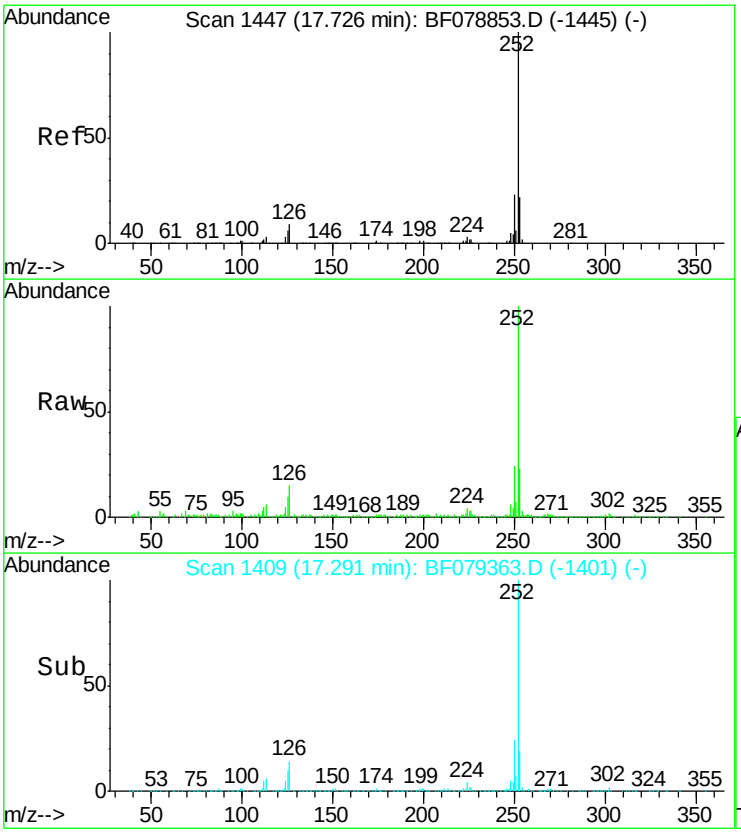
#87
Benzo(b)fluoranthene
Concen: 46.56 ng m
RT: 17.27 min Scan# 1407
Delta R.T. -0.08 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion:252 Resp: 581937

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	11.6	9.4	14.2

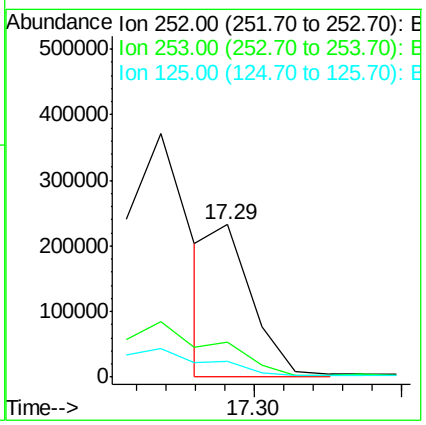


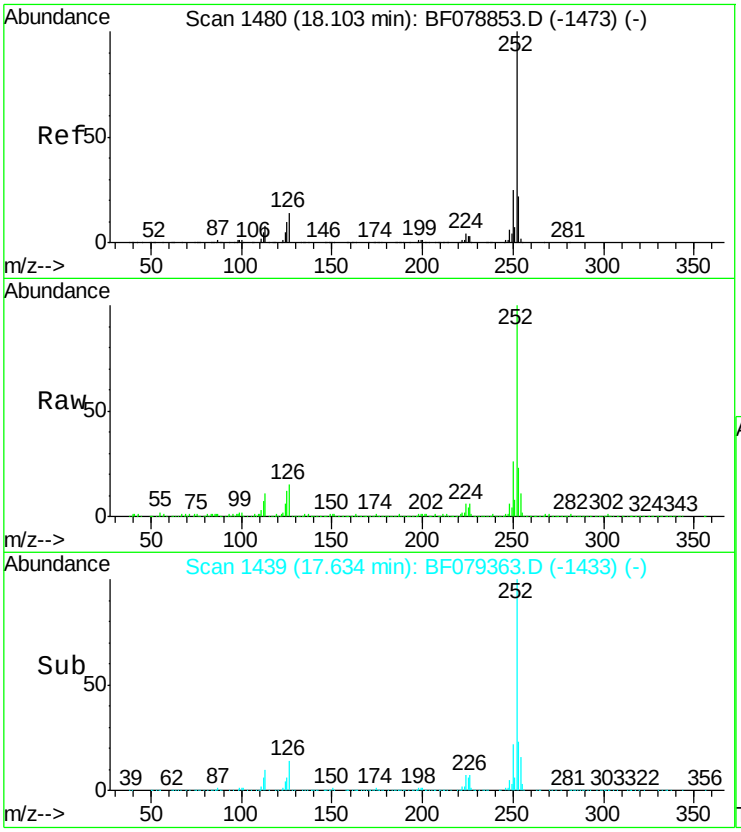


#88
Benzo(k)fluoranthene
Concen: 18.25 ng m
RT: 17.29 min Scan# 1409
Delta R.T. -0.09 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:252 Resp: 220828

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	10.3	6.1	9.1#



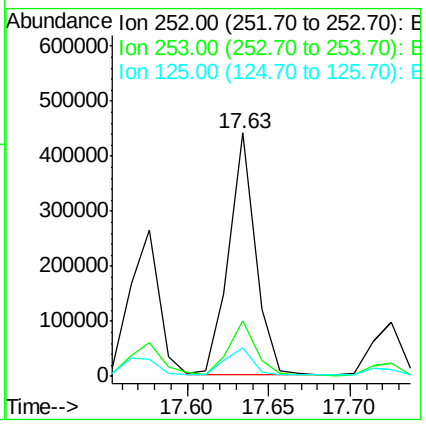


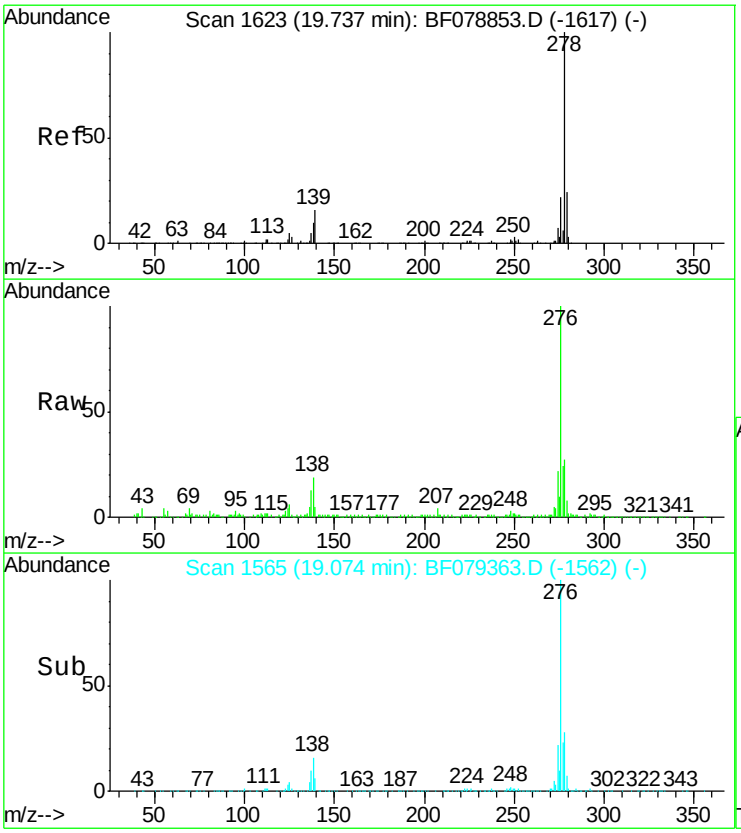
#89
Benzo(a)pyrene
Concen: 43.30 ng
RT: 17.63 min Scan# 1439
Delta R.T. -0.11 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Instrument :
BNA_F
ClientSampleId :
SB-05

Tgt Ion:252 Resp: 498344

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.7	8.2	12.2

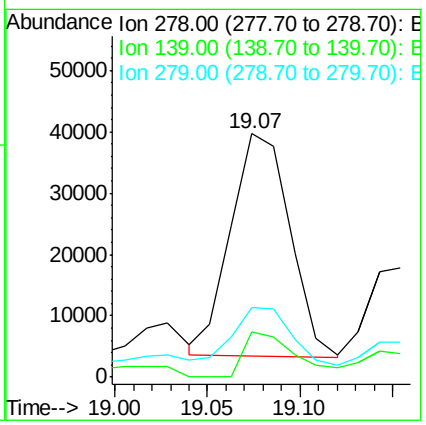


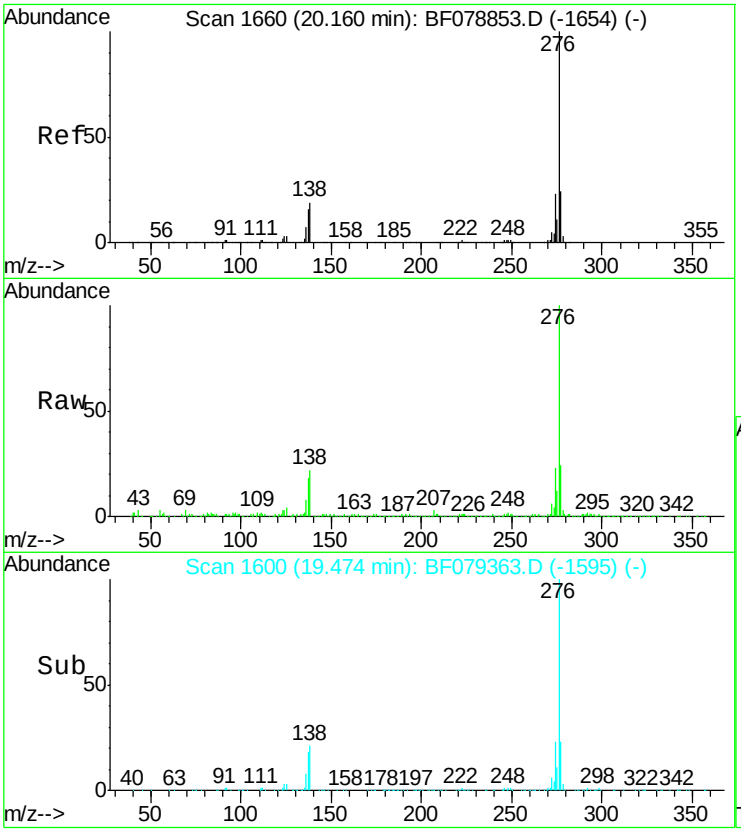


#90
Dibenzo(a,h)anthracene
Concen: 6.56 ng m
RT: 19.07 min Scan# 1565
Delta R.T. -0.17 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:278 Resp: 80173

Ion	Ratio	Lower	Upper
278	100		
139	18.6	13.1	19.7
279	28.5	19.1	28.7

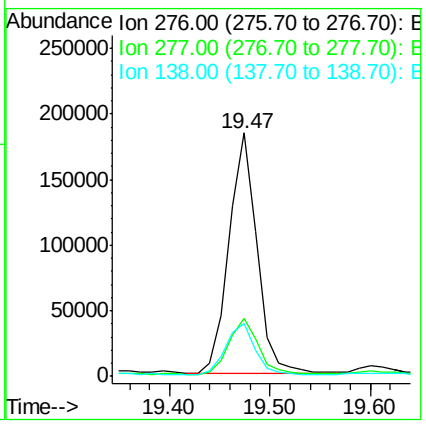




#91
Benzo(g,h,i)perylene
Concen: 28.96 ng
RT: 19.47 min Scan# 1600
Delta R.T. -0.15 min
Lab File: BF079363.D
Acq: 20 May 2015 3:31

Tgt Ion:276 Resp: 354999

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	21.6	15.2	22.8



Instrument :
BNA_F
ClientSampleId :
SB-05