Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091044.D
Acq On : 5 Nov 2016 2:08
Operator : UM/SJ
Sample : H5502-23 10X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-90-0.0-1.0

Manual Integrations APPROVED
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Quant Time: Nov 07 05:57:17 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 11:03:12 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	166969	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	658613	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	322021	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	414625	20.00	ng	0.00
75) Chrysene-d12	13.86	240	373149	20.00	ng	0.00
86) Perylene-d12	15.25	264	269835	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	108177	10.70	ng	0.00
7) Phenol-d6	6.35	99	163336	11.90	ng	0.00
23) Nitrobenzene-d5	7.26	82	100359	8.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	16482	5.66	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	167690	8.97	ng	0.00
78) Terphenyl-d14	12.81	244	113549	7.59	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.47	163	42356	2.01	ng	99
51) Acenaphthene	9.78	154	67003	3.84	ng	98
54) Dibenzofuran	9.95	168	78593	3.34	ng	94
57) Fluorene	10.29	166	87641	4.56	ng	99
70) Phenanthrene	11.25	178	907051	41.15	ng	99
71) Anthracene	11.30	178	259442	11.07	ng	99
72) Carbazole	11.46	167	88928	4.21	ng	99
74) Fluoranthene	12.44	202	1363348	59.64	ng	89
77) Pyrene	12.66	202	1053512	43.11	ng	99
80) Benzo(a)anthracene	13.85	228	622170	29.37	ng	99
82) Chrysene	13.88	228	437542m	20.94	ng	
85) Indeno(1,2,3-cd)pyrene	16.56	276	161301	9.31	ng	92
87) Benzo(b)fluoranthene	14.87	252	523701m	28.62	ng	
88) Benzo(k)fluoranthene	14.89	252	194056m	12.09	ng	
89) Benzo(a)pyrene	15.20	252	330414	20.74	ng	97
90) Dibenzo(a,h)anthracene	16.57	278	46148m	3.35	ng	
91) Benzo(g,h,i)perylene	16.96	276	140470	11.28	ng	98

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

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ALS Vial : 36 Sample Multiplier: 1

Quant Time: Nov 07 05:57:17 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 11:03:12 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

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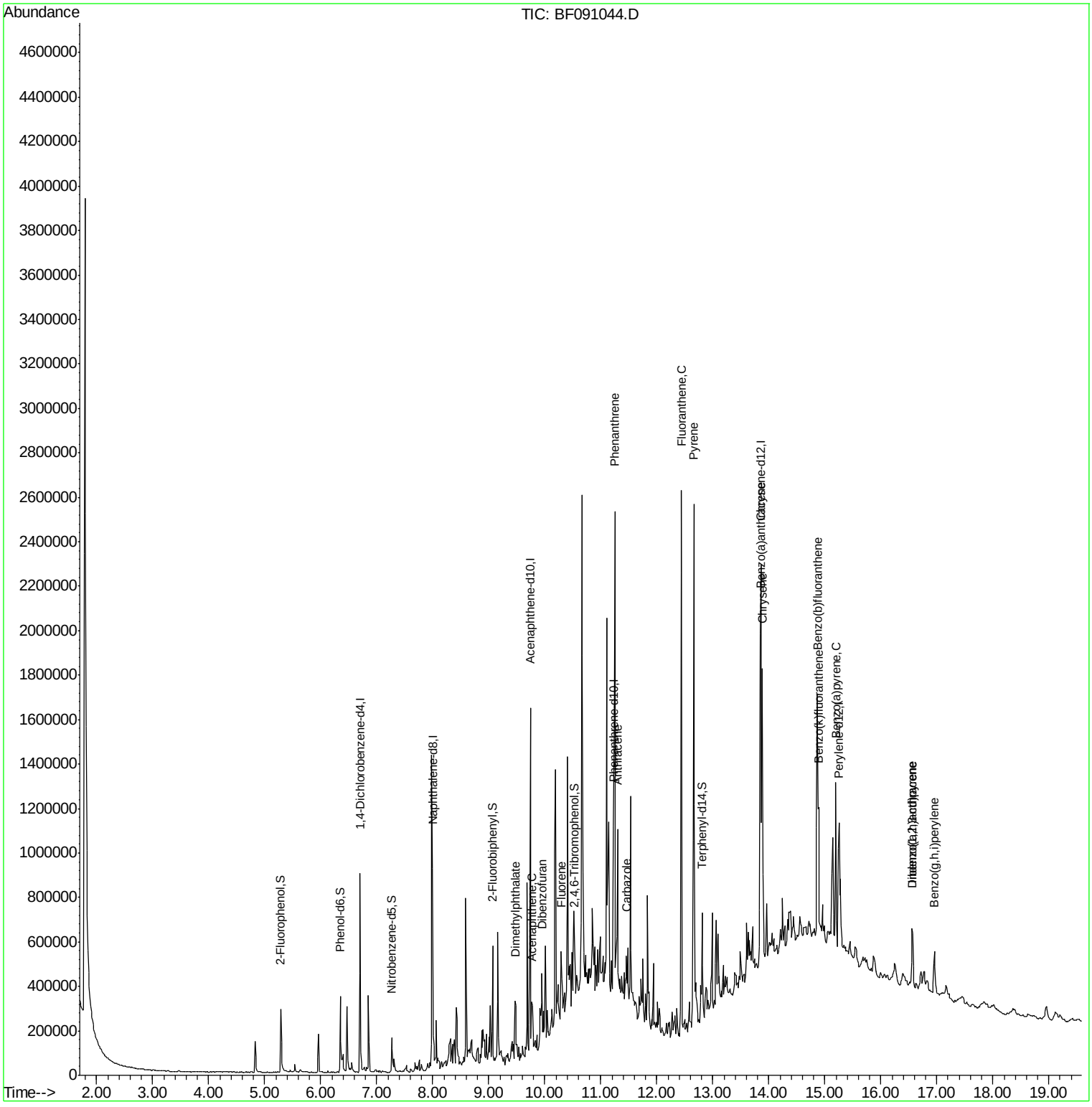
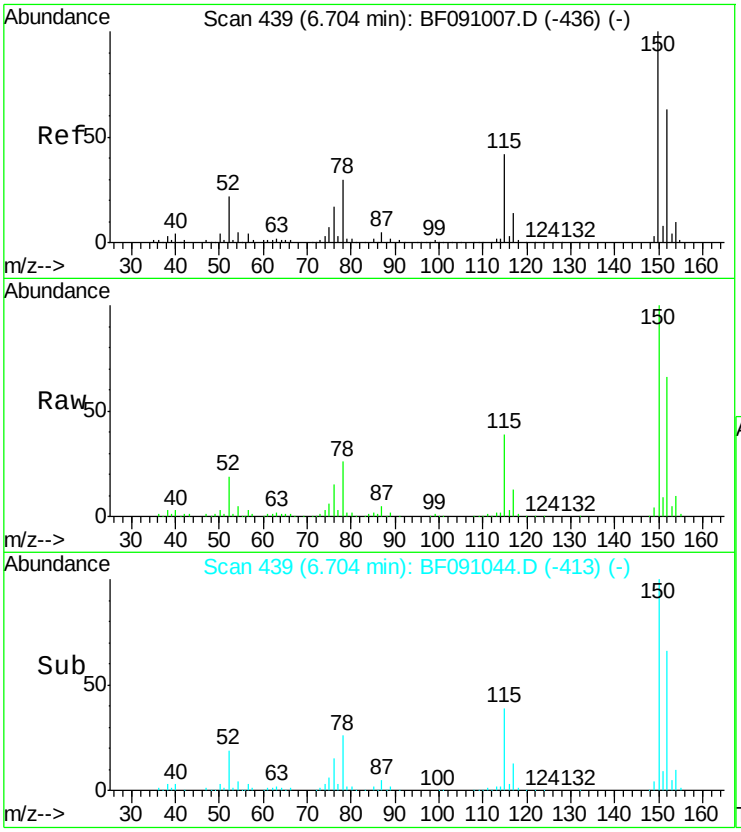
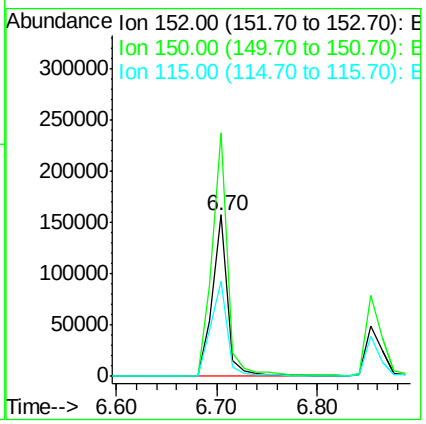




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:152 Resp: 166969

Ion	Ratio	Lower	Upper
152	100		
150	150.9	126.8	190.2
115	58.9	53.3	79.9



Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

Manual Integrations APPROVED
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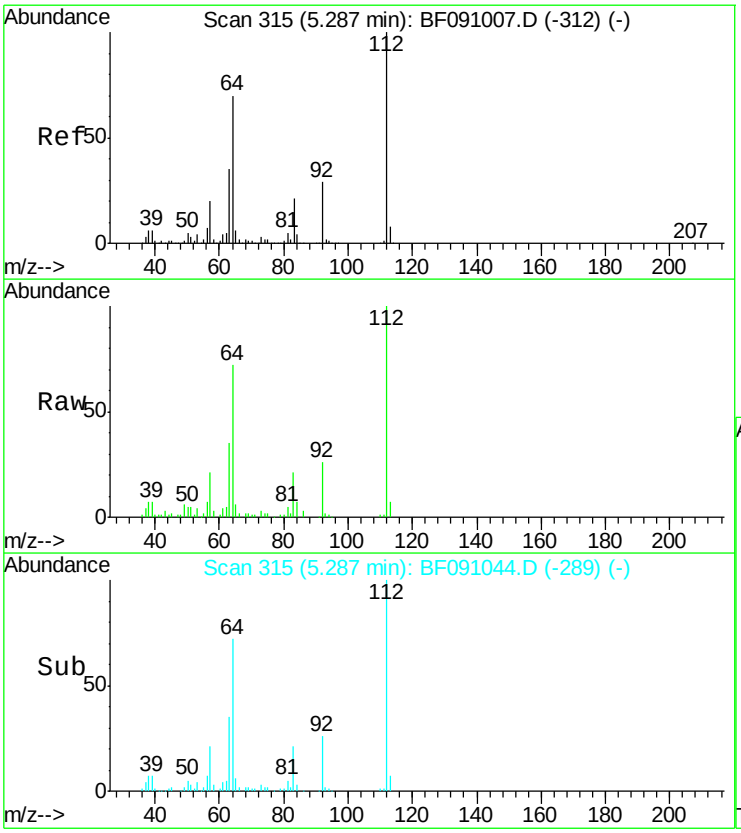
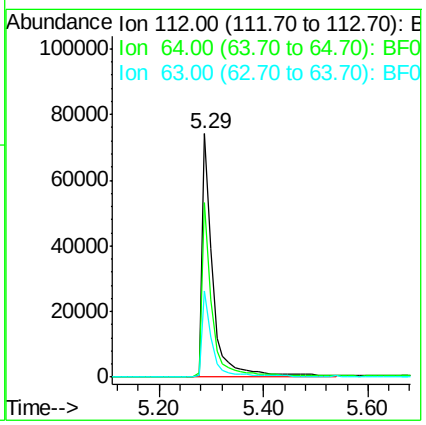
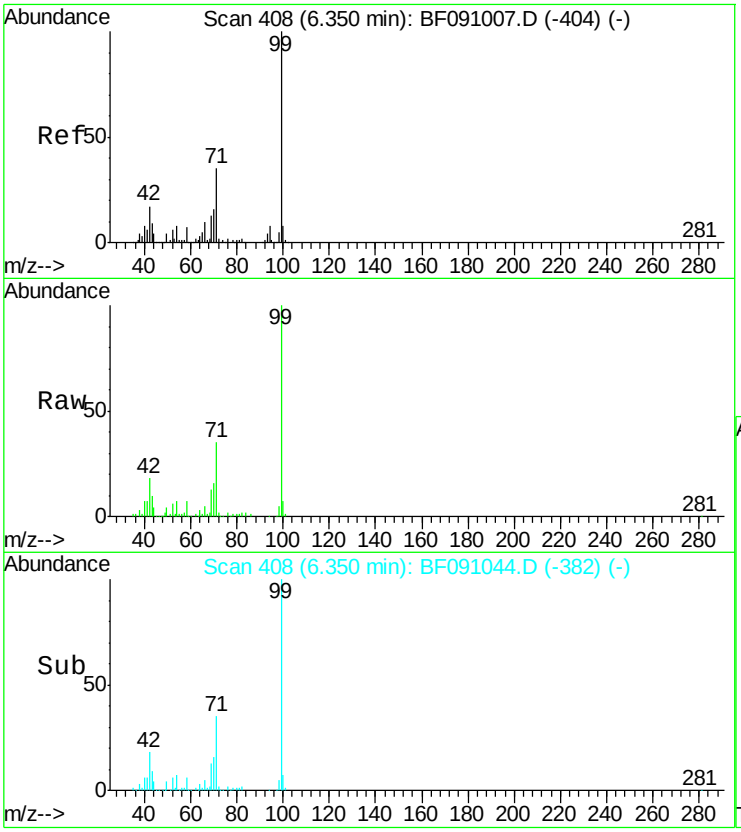


#5
2-Fluorophenol
Concen: 10.70 ng
RT: 5.29 min Scan# 315
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:112 Resp: 108177

Ion	Ratio	Lower	Upper
112	100		
64	71.5	55.8	83.6
63	35.2	28.0	42.0

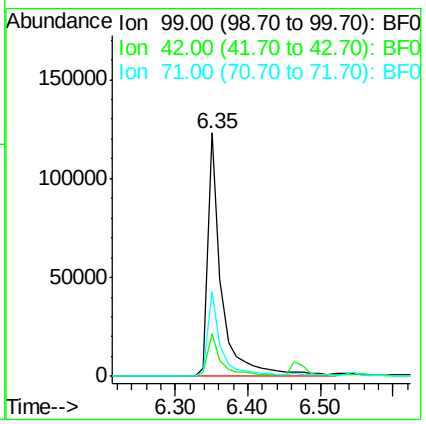




#7
Phenol-d6
Concen: 11.90 ng
RT: 6.35 min Scan# 408
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion: 99 Resp: 163336

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.9	20.9
71	35.0	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

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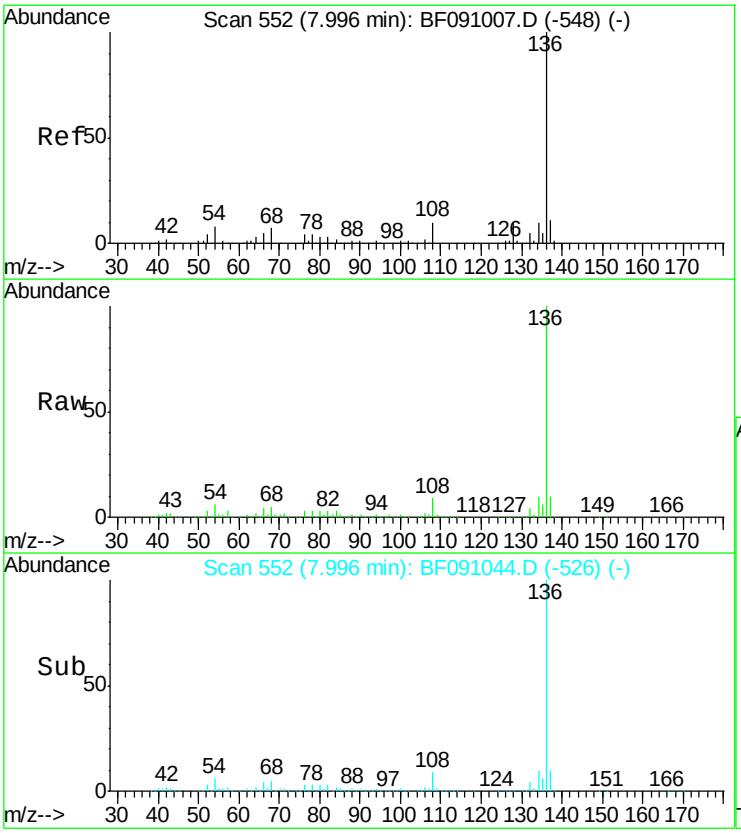
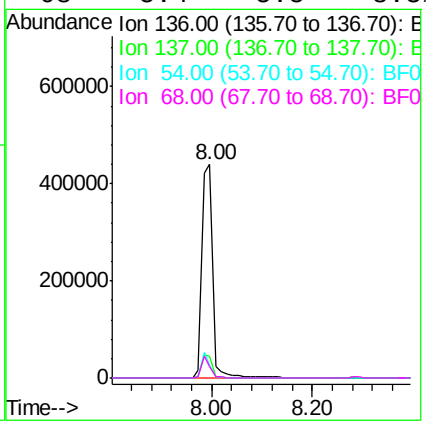
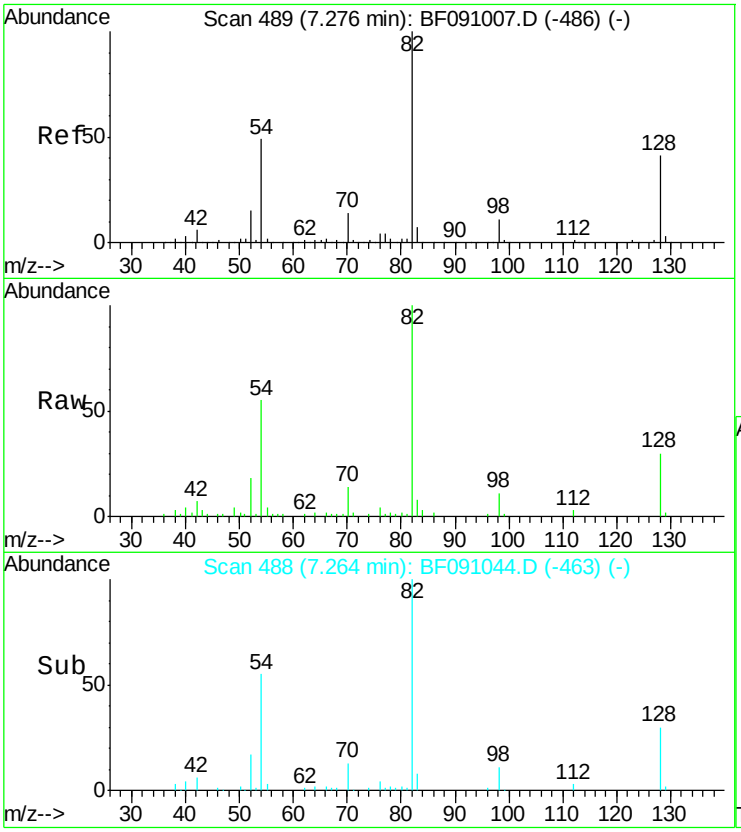


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 552
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:136 Resp: 658613

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.1	6.2	9.2#
68	5.4	5.5	8.3#

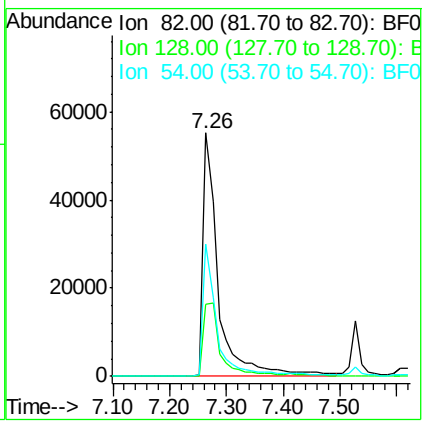




#23
Nitrobenzene-d5
Concen: 8.31 ng
RT: 7.26 min Scan# 488
Delta R.T. -0.01 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion: 82 Resp: 100359

Ion	Ratio	Lower	Upper
82	100		
128	29.7	32.4	48.6#
54	54.5	39.2	58.8



Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

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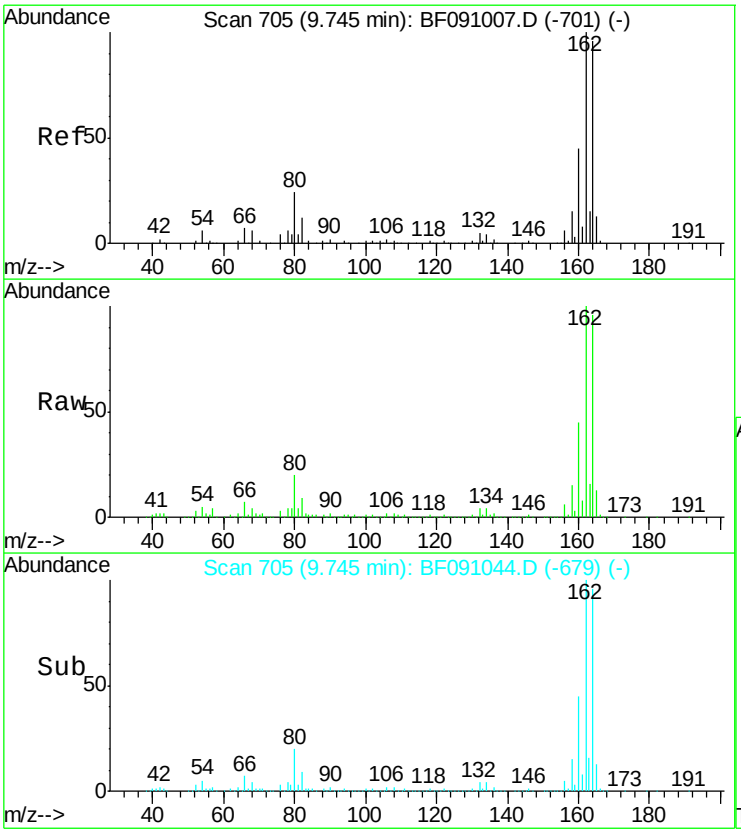
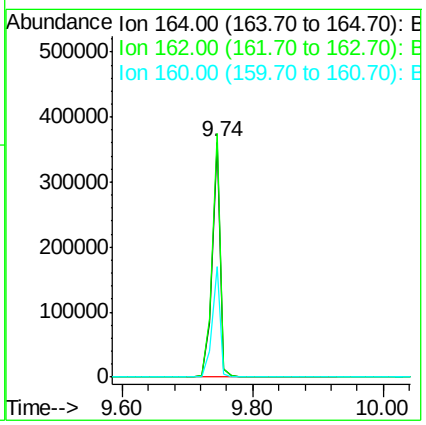
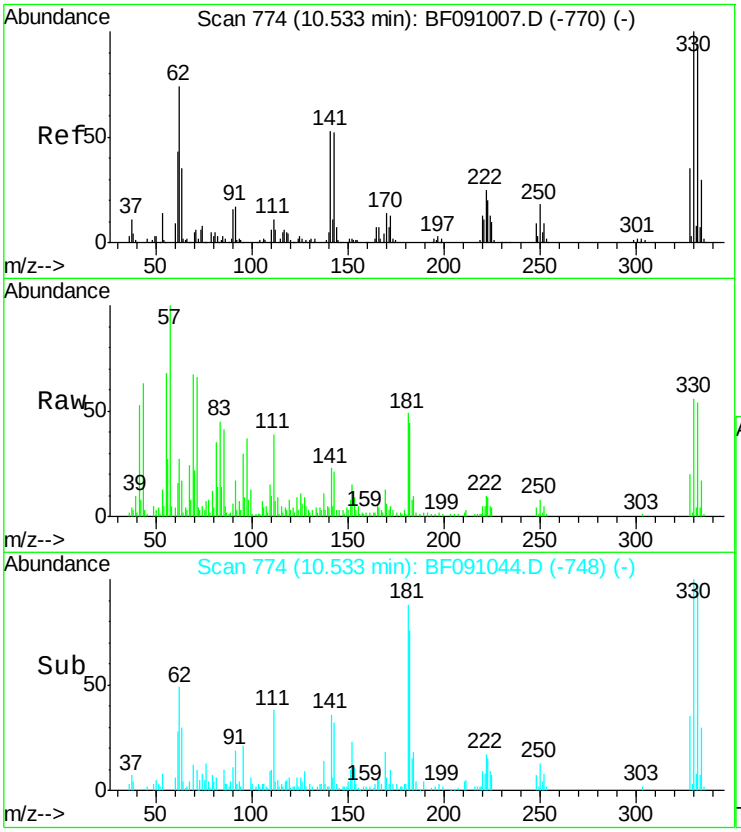


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:164 Resp: 322021

Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.6	125.4
160	47.0	37.9	56.9





#41
2,4,6-Tribromophenol
Concen: 5.66 ng
RT: 10.53 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:330 Resp: 16482

Ion	Ratio	Lower	Upper
330	100		
332	98.9	75.9	113.9
141	59.2	36.1	54.1#

Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

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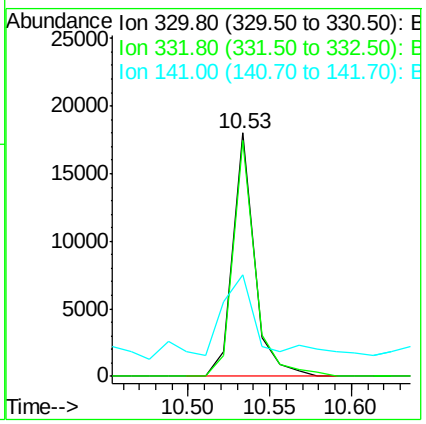
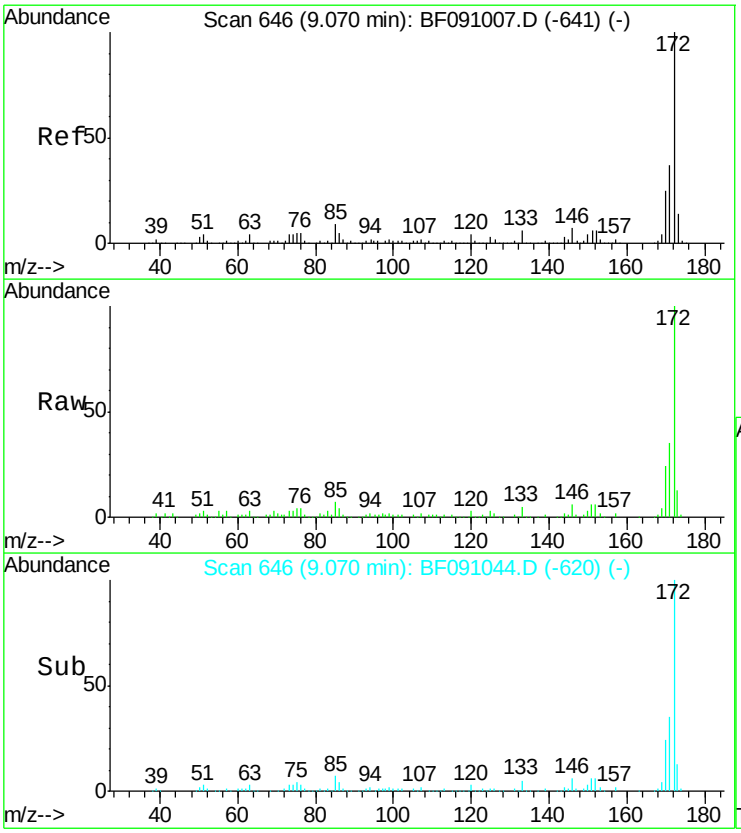
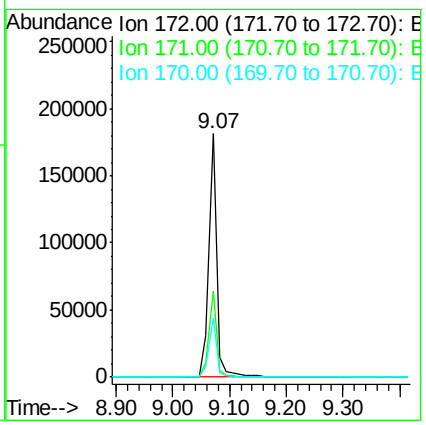


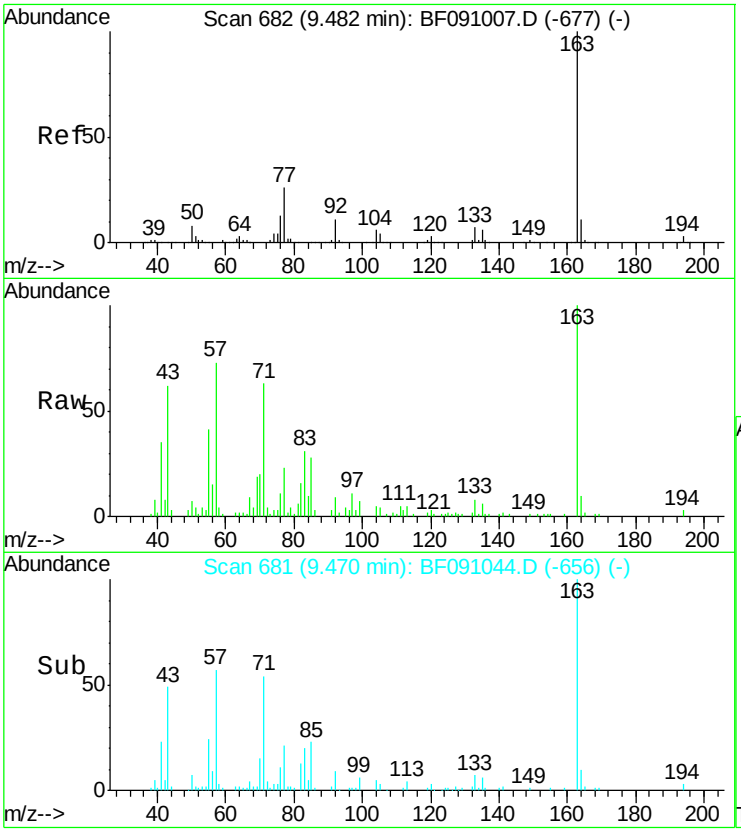


#44
2-Fluorobiphenyl
Concen: 8.97 ng
RT: 9.07 min Scan# 646
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:172 Resp: 167690

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.8	44.6
170	24.1	20.3	30.5

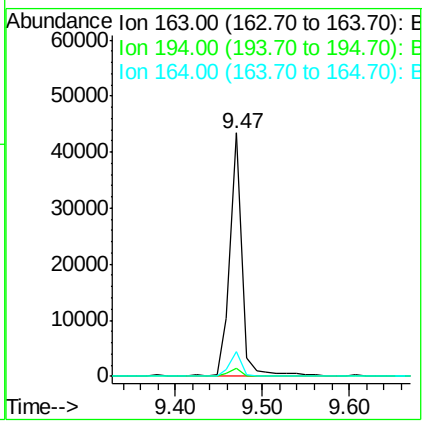




#49
Dimethylphthalate
Concen: 2.01 ng
RT: 9.47 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:163 Resp: 42356

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.3	8.7	13.1



Instrument :
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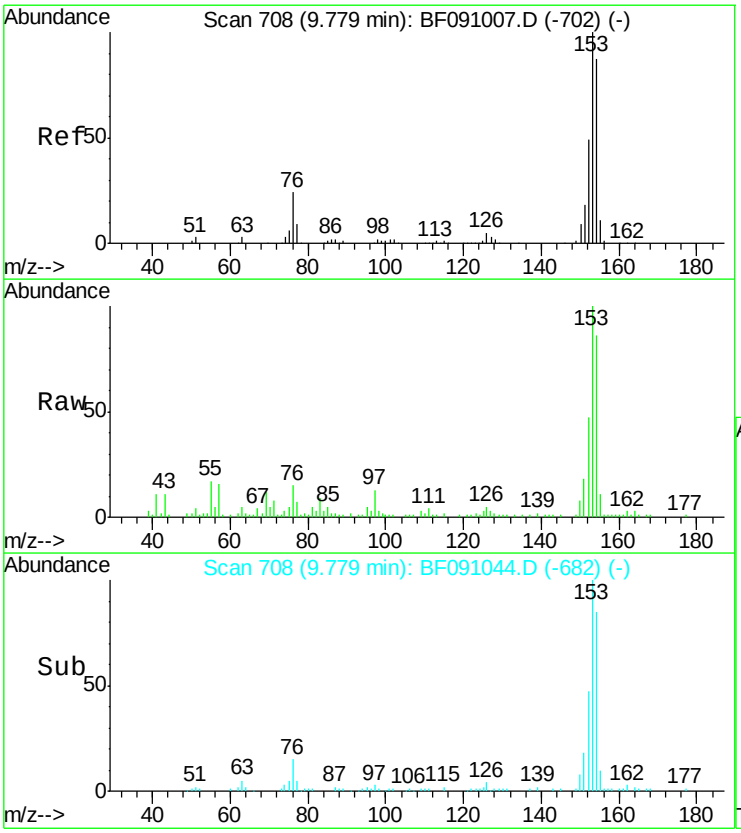
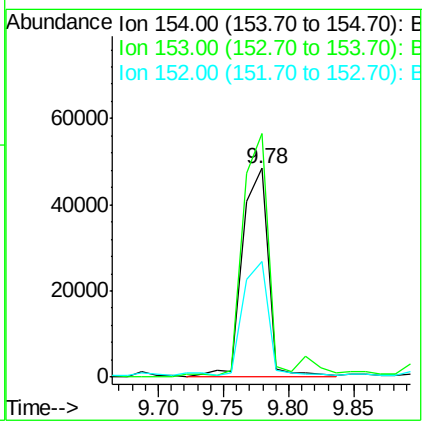
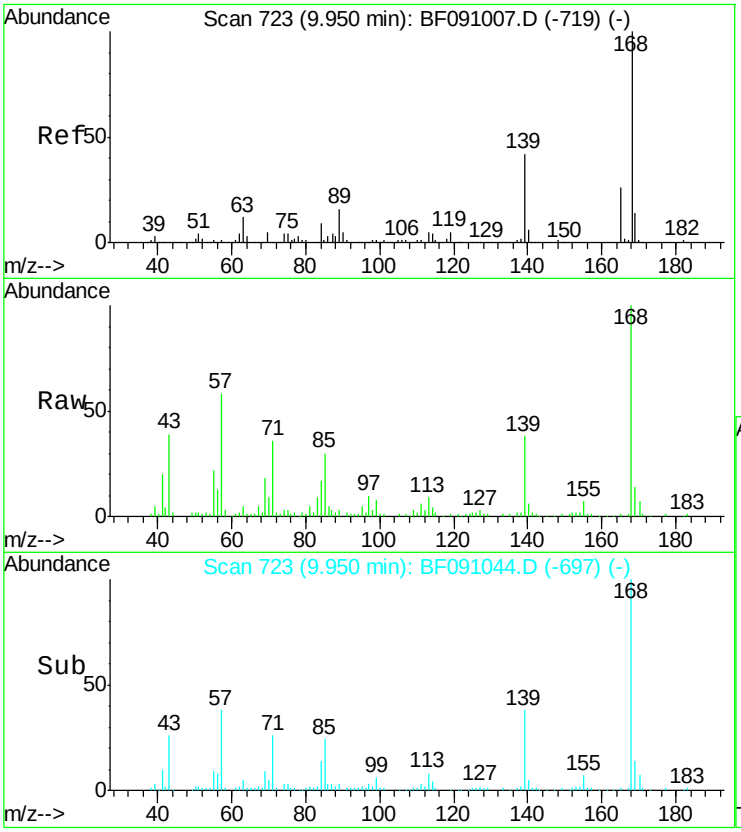


#51
Acenaphthene
Concen: 3.84 ng
RT: 9.78 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:154 Resp: 67003

Ion	Ratio	Lower	Upper
154	100		
153	116.5	91.6	137.4
152	55.2	44.6	67.0

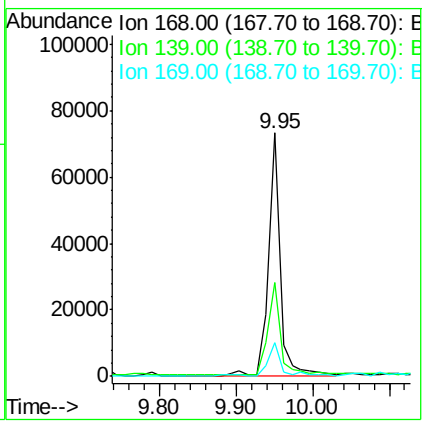




#54
Dibenzofuran
Concen: 3.34 ng
RT: 9.95 min Scan# 723
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:168 Resp: 78593

Ion	Ratio	Lower	Upper
168	100		
139	38.5	34.8	52.2
169	14.0	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

Manual Integrations APPROVED
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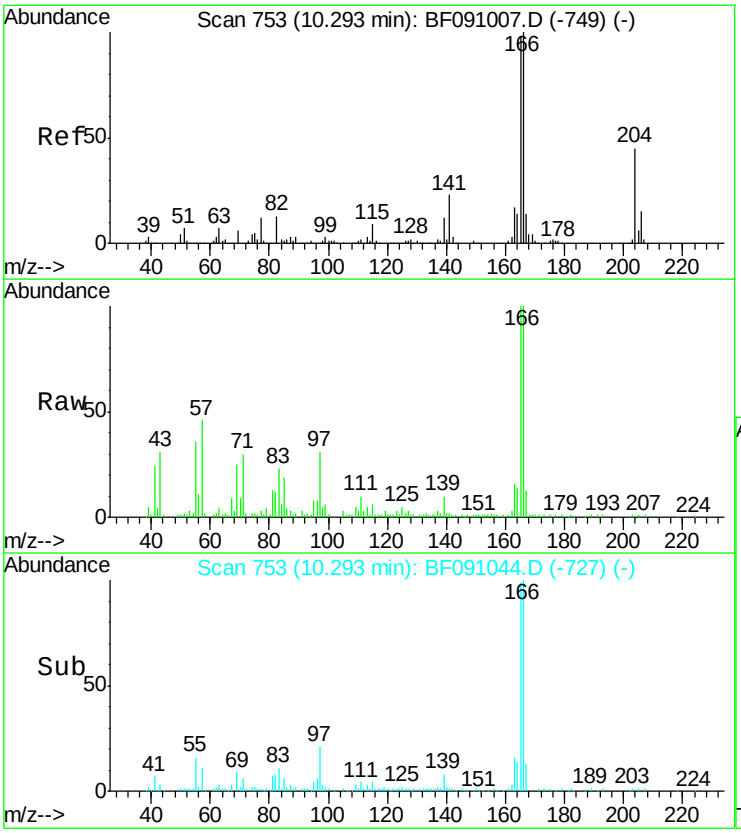
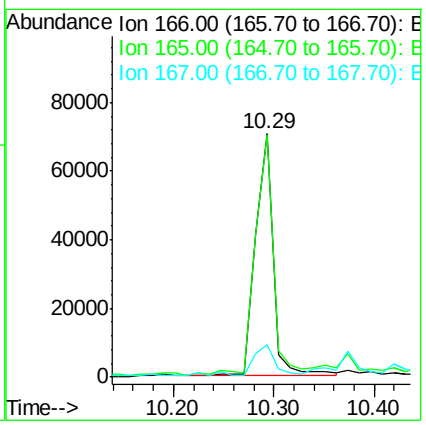
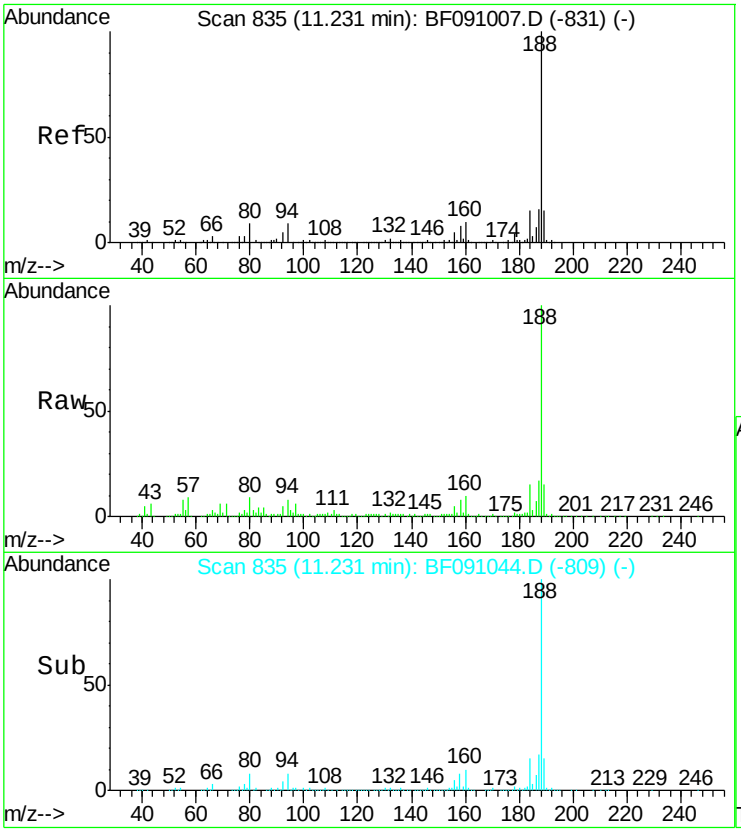


#57
Fluorene
Concen: 4.56 ng
RT: 10.29 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:166 Resp: 87641

Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.6	118.0
167	13.4	11.1	16.7

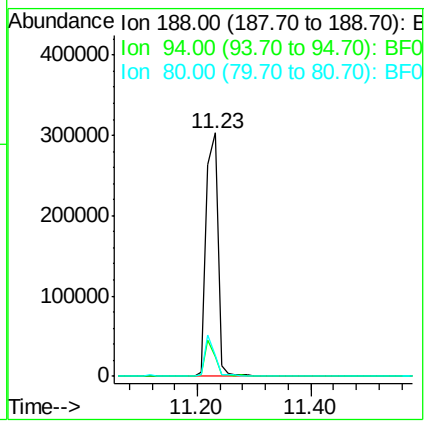




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:188 Resp: 414625

Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.0	10.4
80	8.7	7.5	11.3



Instrument :
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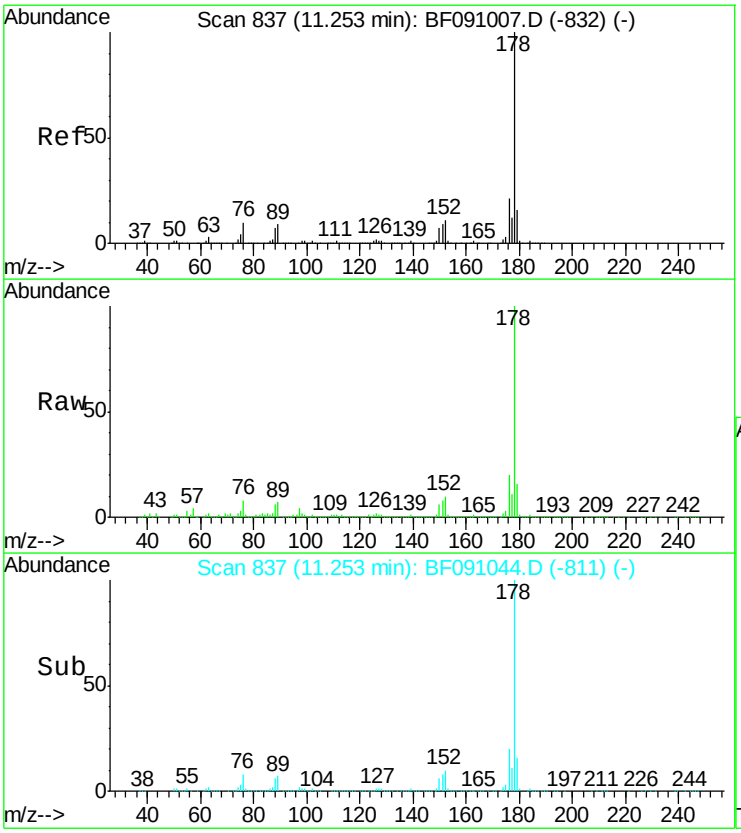
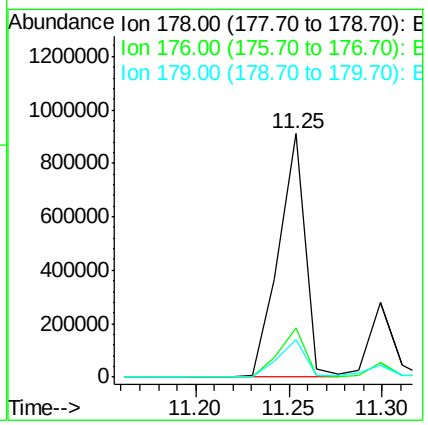
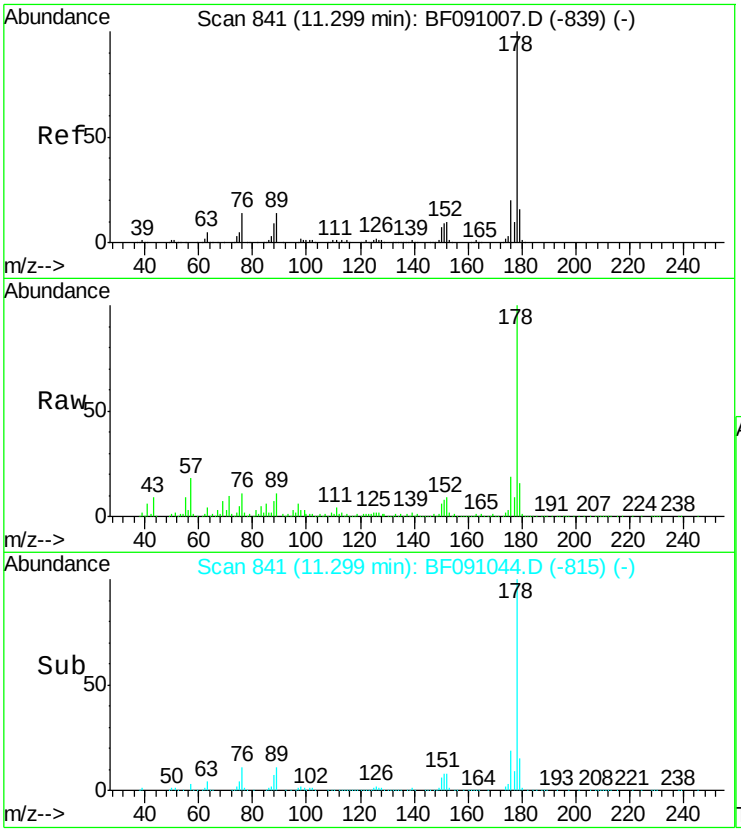


#70
Phenanthrene
Concen: 41.15 ng
RT: 11.25 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:178 Resp: 907051

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.6	25.0
179	15.6	12.9	19.3

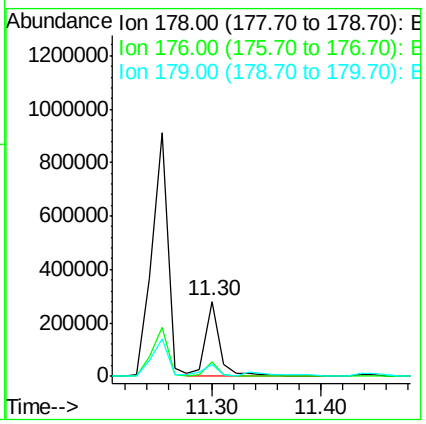




#71
Anthracene
Concen: 11.07 ng
RT: 11.30 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:178 Resp: 259442

Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.0	24.0
179	15.8	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

Manual Integrations APPROVED
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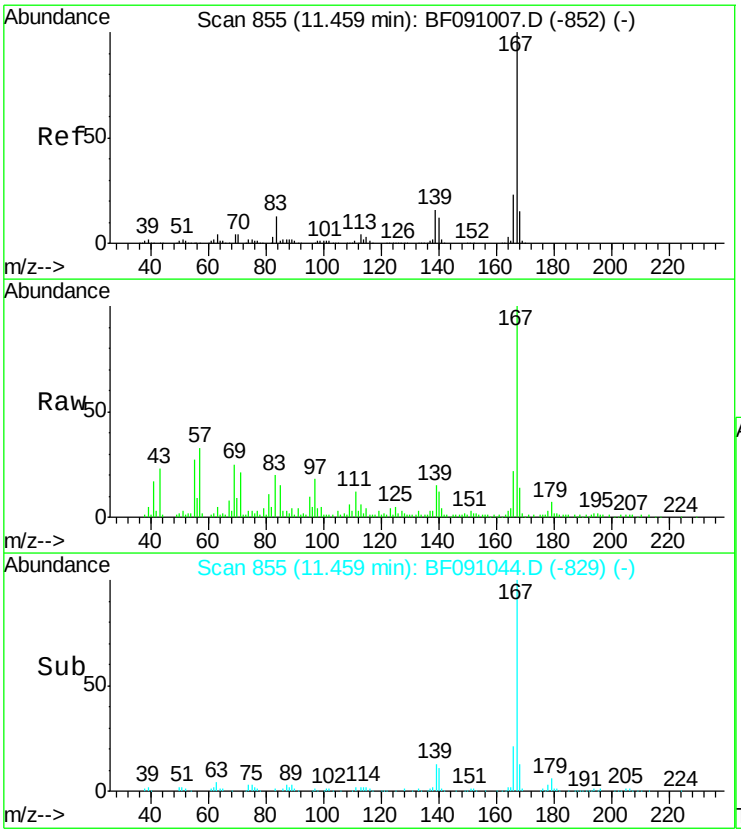
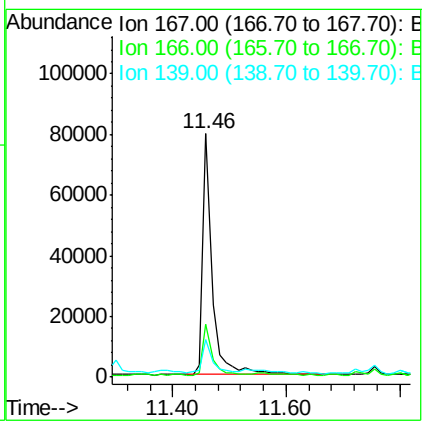
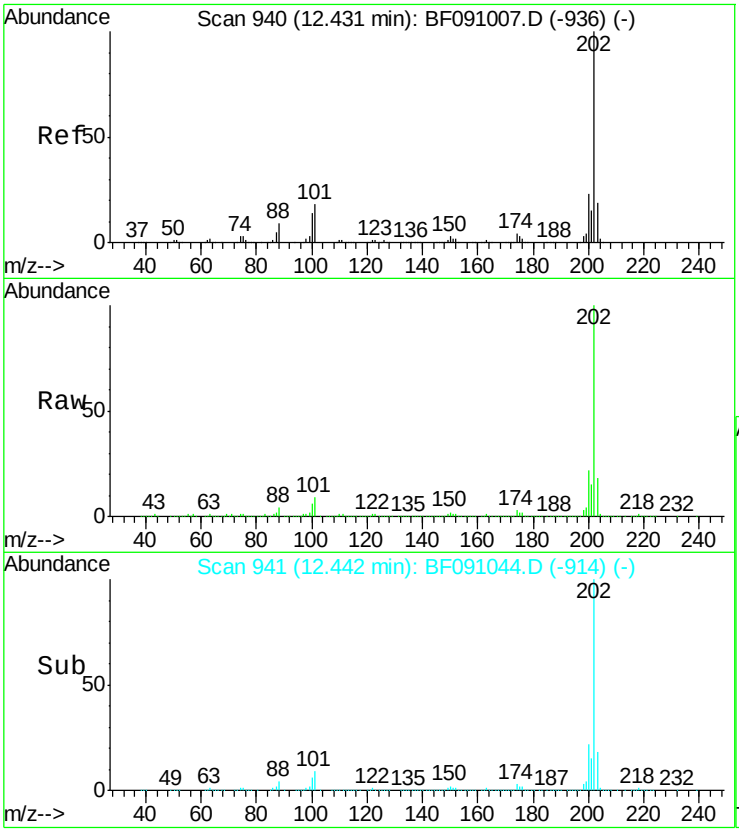


#72
Carbazole
Concen: 4.21 ng
RT: 11.46 min Scan# 855
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:167 Resp: 88928

Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.0	27.0
139	15.4	12.6	18.8

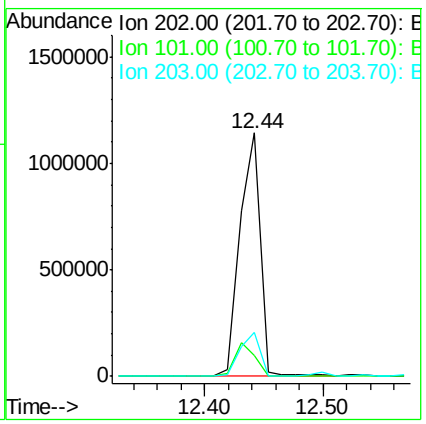




#74
Fluoranthene
Concen: 59.64 ng
RT: 12.44 min Scan# 941
Delta R.T. 0.01 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:202 Resp: 1363348

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	37.6
203	18.1	0.0	38.6



Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

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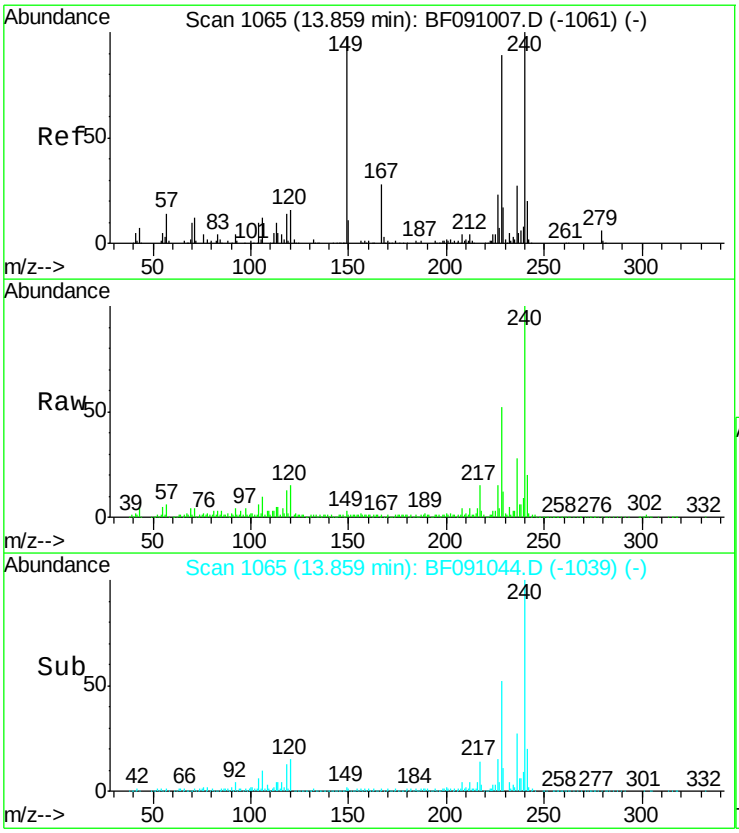
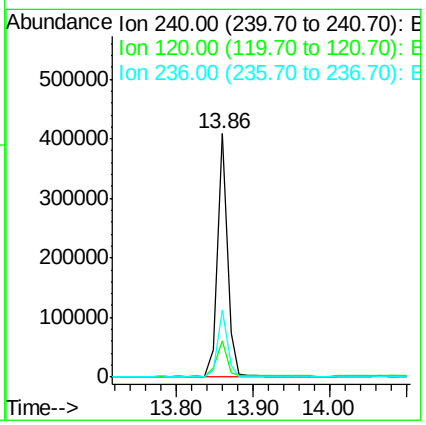
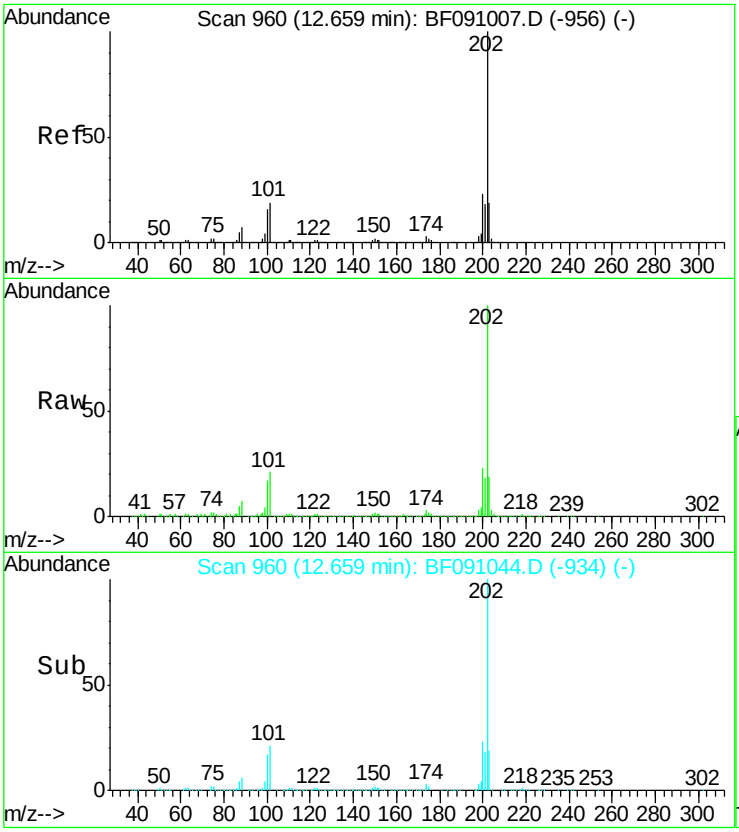


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:240 Resp: 373149

Ion	Ratio	Lower	Upper
240	100		
120	15.1	12.9	19.3
236	27.5	21.9	32.9

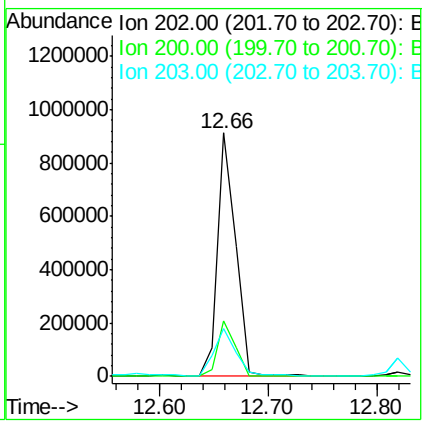




#77
Pyrene
Concen: 43.11 ng
RT: 12.66 min Scan# 960
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:202 Resp: 1053512

Ion	Ratio	Lower	Upper
202	100		
200	22.7	18.4	27.6
203	19.5	15.0	22.6



Instrument :
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ClientSampleId :
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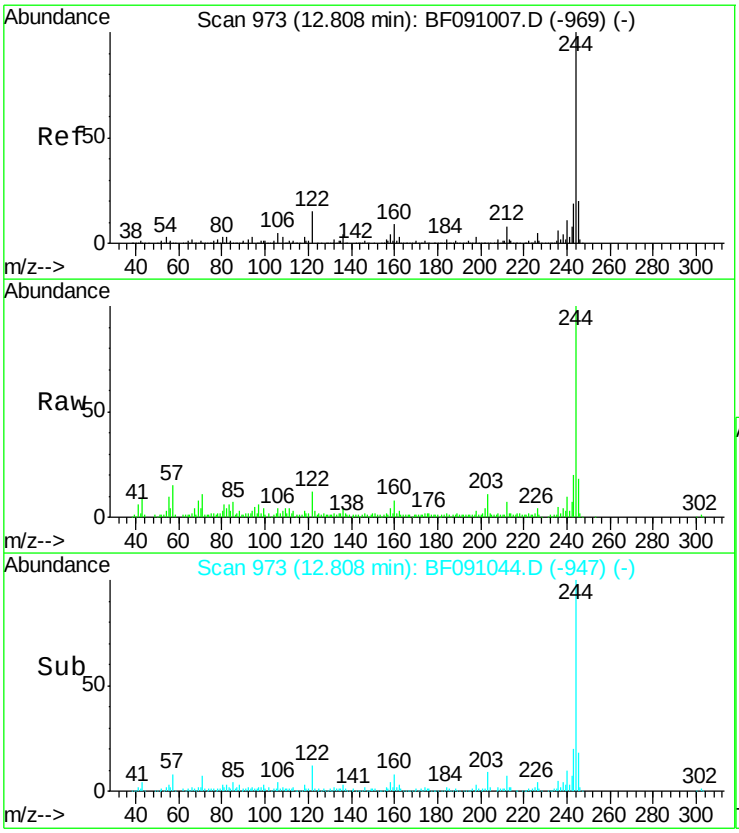
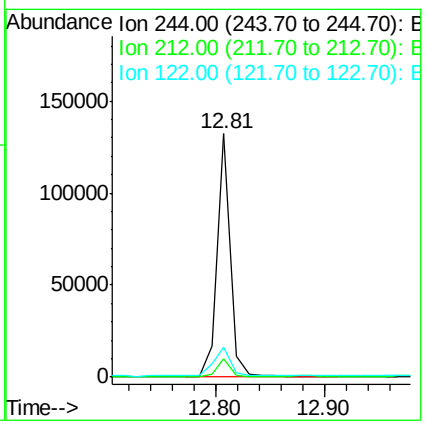
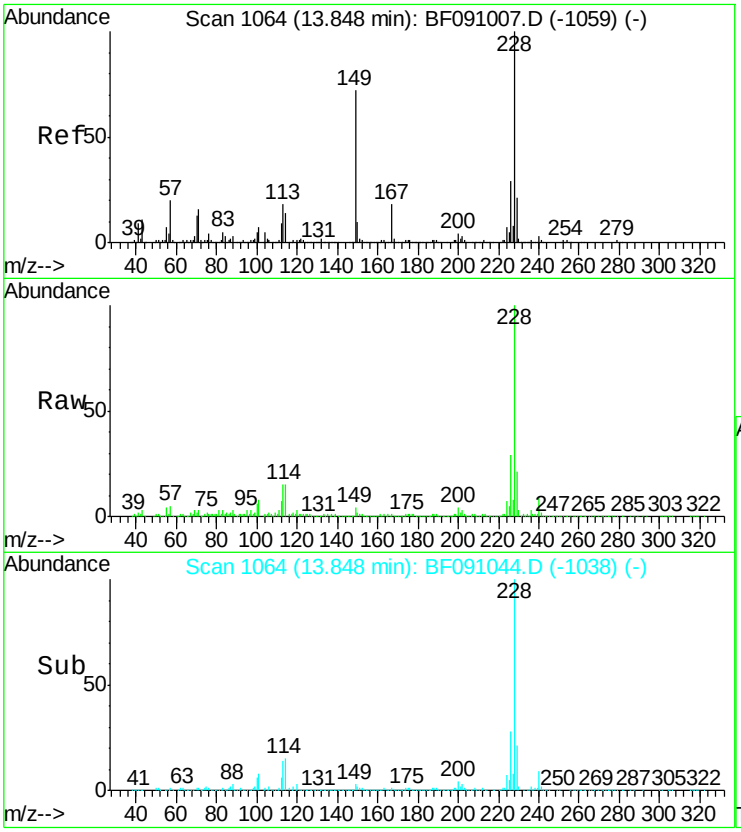


#78
Terphenyl-d14
Concen: 7.59 ng
RT: 12.81 min Scan# 973
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:244 Resp: 113549

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.4	9.6
122	12.5	12.3	18.5





#80
Benzo(a)anthracene
Concen: 29.37 ng
RT: 13.85 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:228 Resp: 622170

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.0	34.6
229	21.2	16.6	24.8

Instrument :
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ClientSampleId :
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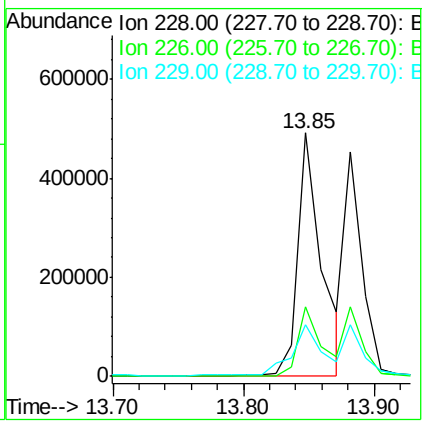
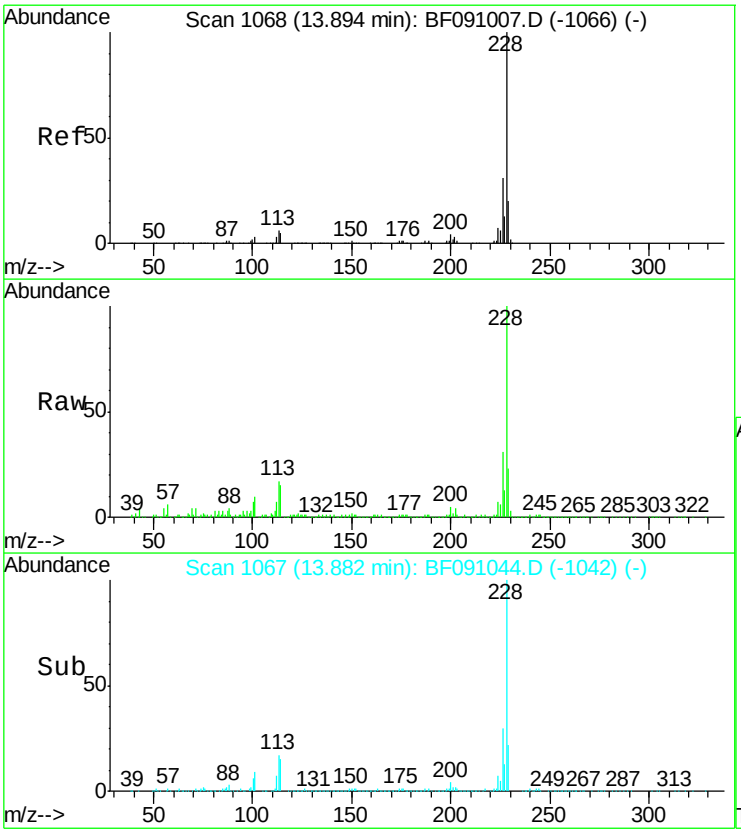
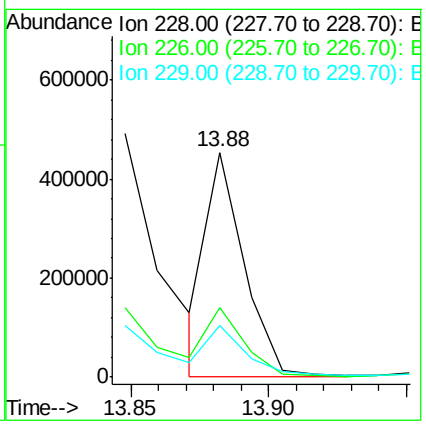


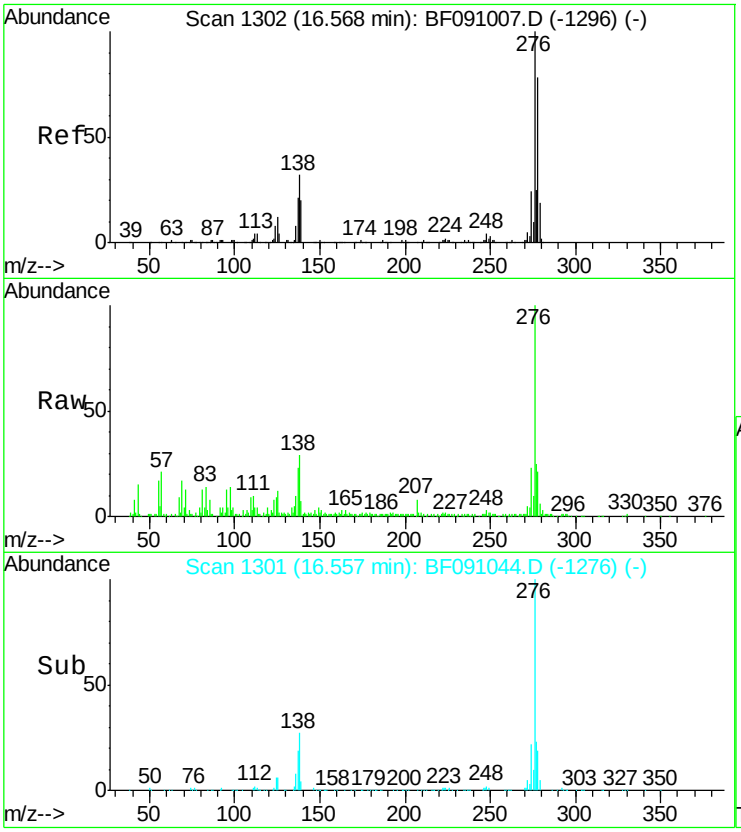


#82
Chrysene
Concen: 20.94 ng m
RT: 13.88 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:228 Resp: 437542

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	23.2	15.9	23.9

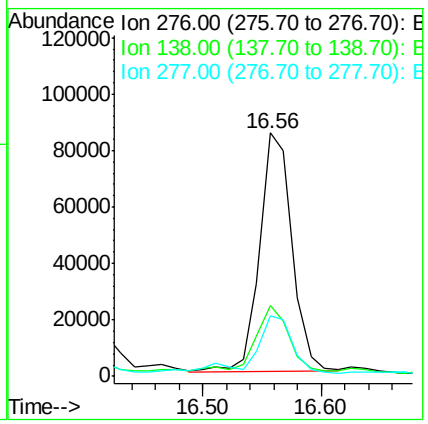




#85
Indeno(1,2,3-cd)pyrene
Concen: 9.31 ng
RT: 16.56 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:276 Resp: 161301

Ion	Ratio	Lower	Upper
276	100		
138	27.6	26.0	39.0
277	28.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
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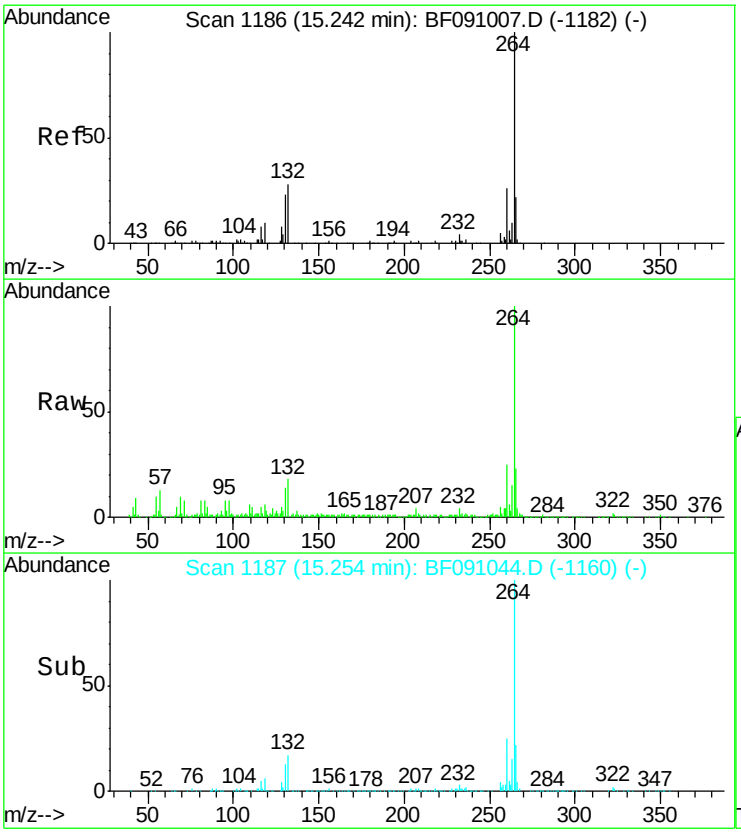
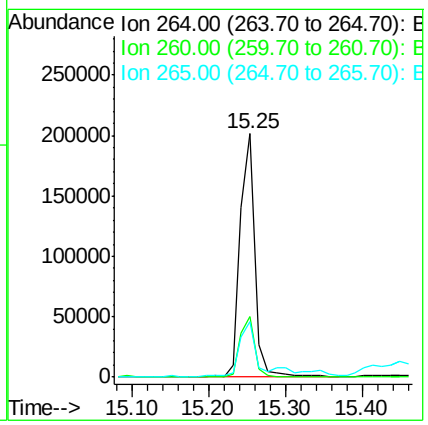
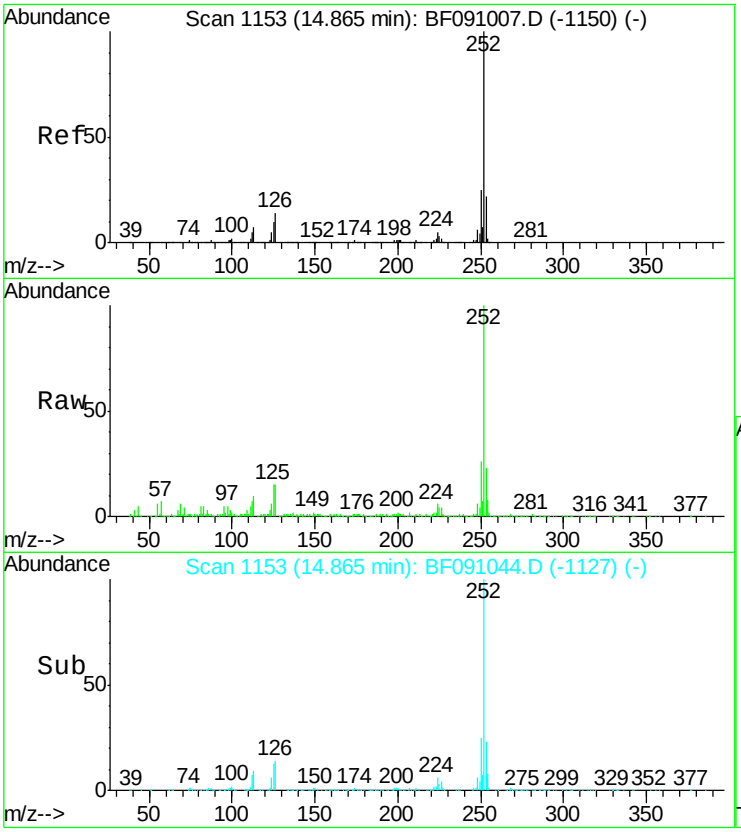


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.25 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:264 Resp: 269835

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.6	30.8
265	22.6	17.8	26.8





#87
Benzo(b)fluoranthene
Concen: 28.62 ng m
RT: 14.87 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:252 Resp: 523701

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	14.5	8.3	12.5#

Instrument :
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ClientSampleId :
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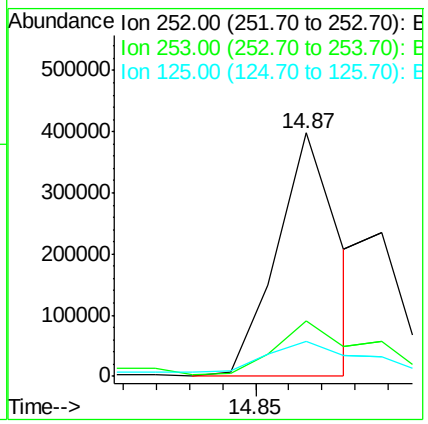
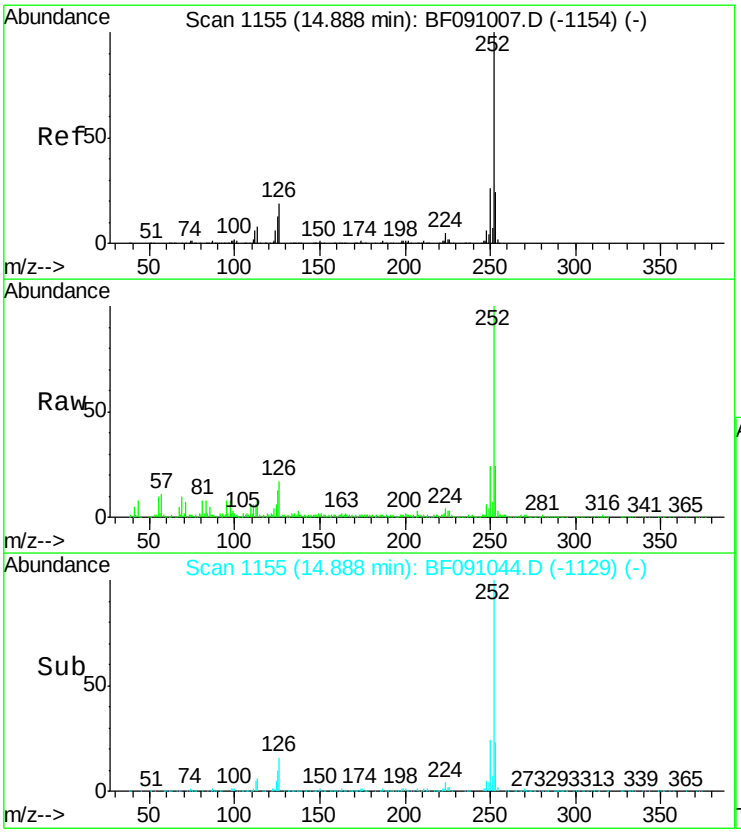
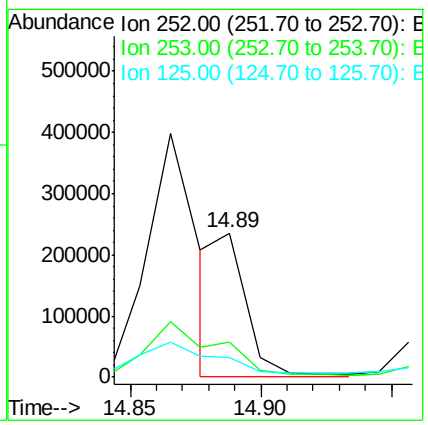


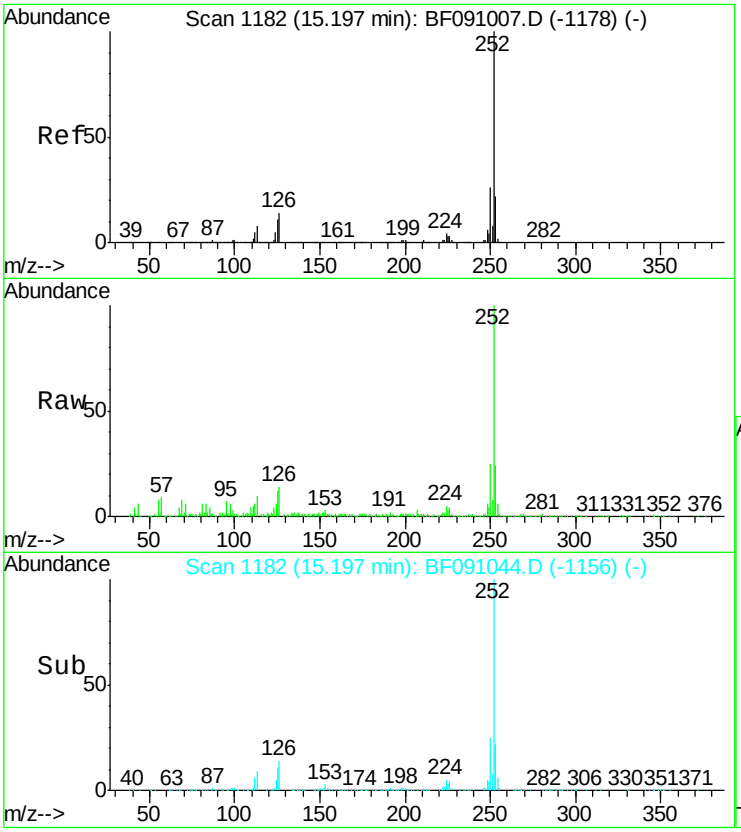


#88
Benzo(k)fluoranthene
Concen: 12.09 ng m
RT: 14.89 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:252 Resp: 194056

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.6	28.0
125	13.3	11.2	16.8

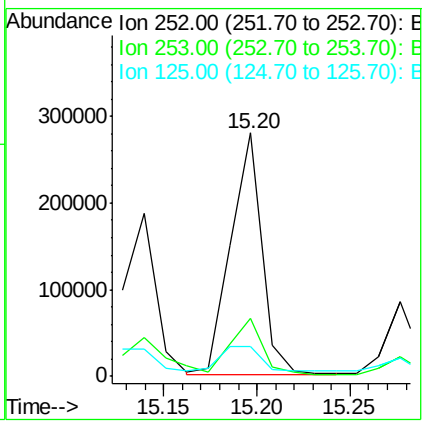




#89
Benzo(a)pyrene
Concen: 20.74 ng
RT: 15.20 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:252 Resp: 330414

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	12.5	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
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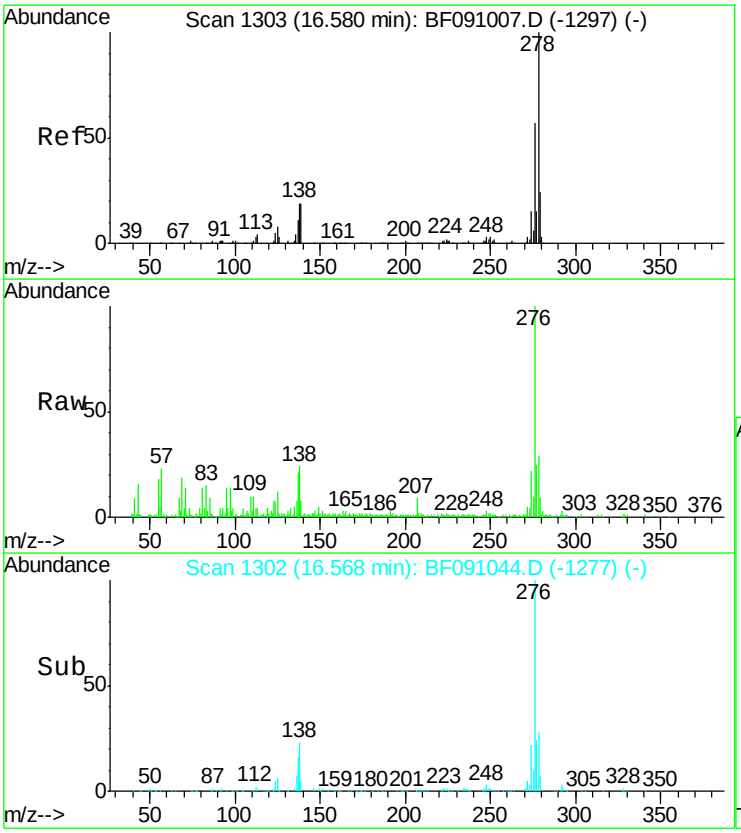
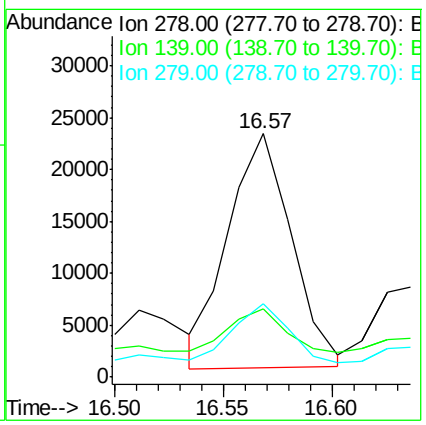
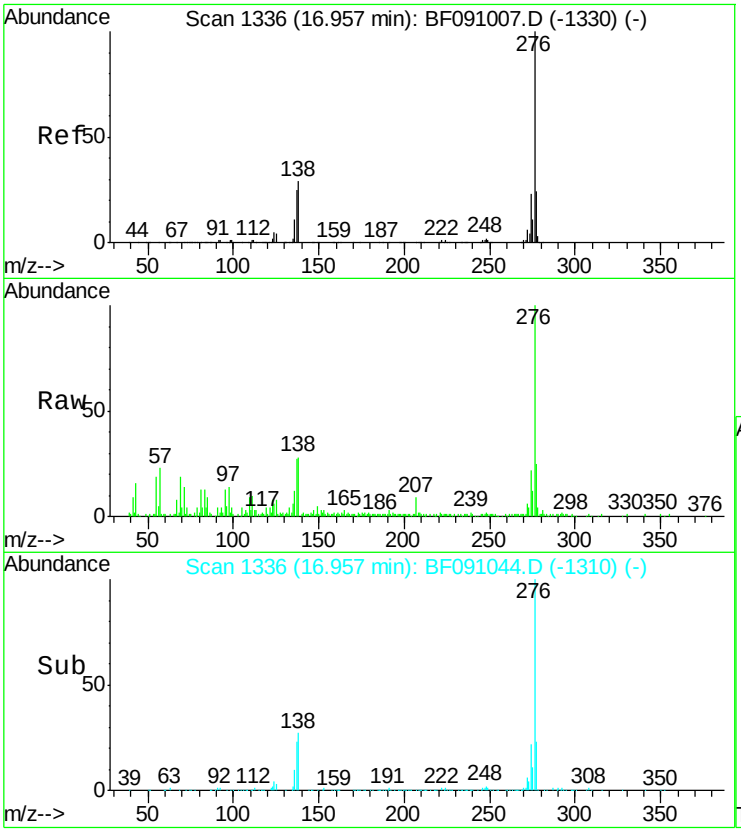


#90
Dibenzo(a,h)anthracene
Concen: 3.35 ng m
RT: 16.57 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:278 Resp: 46148

Ion	Ratio	Lower	Upper
278	100		
139	28.1	15.3	22.9#
279	30.0	19.3	28.9#

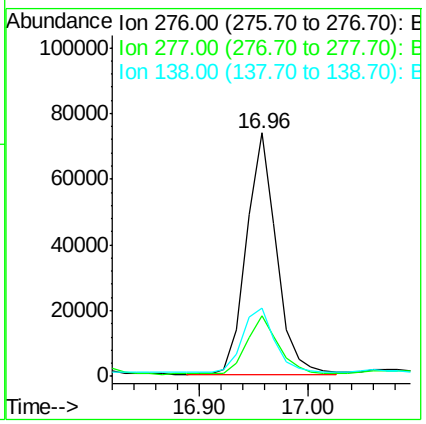




#91
Benzo(g,h,i)perylene
Concen: 11.28 ng
RT: 16.96 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF091044.D
Acq: 5 Nov 2016 2:08

Tgt Ion:276 Resp: 140470

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.2	28.8
138	28.0	23.3	34.9



Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

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