Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091692.D
Acq On : 17 Dec 2016 00:13
Operator : UM/SJ
Sample : H6125-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Quant Time: Dec 17 04:16:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 16 00:35:41 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	216037	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	546343	20.00	ng	0.01
38) Acenaphthene-d10	9.85	164	273316	20.00	ng	0.02
63) Phenanthrene-d10	11.30	188	436613	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	485219	20.00	ng	-0.01
86) Perylene-d12	15.33	264	450545	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1449595	113.05	ng	0.01
7) Phenol-d6	6.43	99	2644096	165.40	ng	0.00
23) Nitrobenzene-d5	7.36	82	1423360	145.41	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	413281	182.05	ng	0.01
44) 2-Fluorobiphenyl	9.17	172	1561970	98.75	ng	0.02
78) Terphenyl-d14	12.89	244	1058111	49.48	ng	-0.01

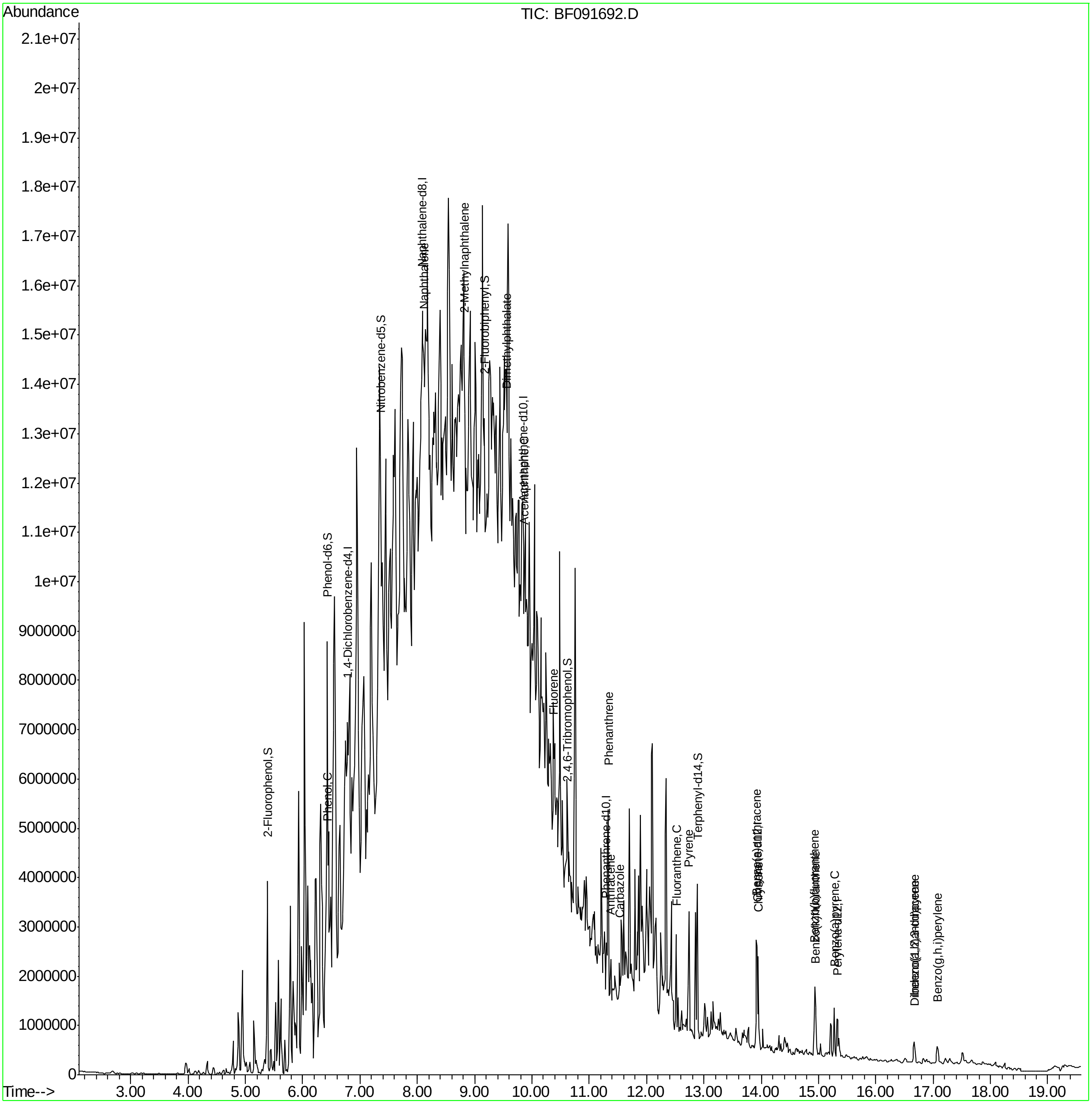
Target Compounds	R.T.	QIon	Response	Conc	Units		Qvalue
10) Phenol	6.44	94	149897	8.02	ng		89
31) Naphthalene	8.11	128	2183281	85.89	ng	#	94
37) 2-Methylnaphthalene	8.82	142	3336272	202.78	ng	#	95
49) Dimethylphthalate	9.56	163	300248	17.35	ng	#	80
51) Acenaphthene	9.87	154	217383	13.39	ng	#	88
57) Fluorene	10.38	166	399439	25.70	ng	#	92
70) Phenanthrene	11.33	178	1881457	87.02	ng		99
71) Anthracene	11.38	178	357616	15.33	ng		99
72) Carbazole	11.53	167	96957	4.74	ng	#	87
74) Fluoranthene	12.52	202	1172492	51.79	ng		96
77) Pyrene	12.74	202	1102633	28.64	ng		99
80) Benzo(a)anthracene	13.92	228	805142m	28.57	ng		
82) Chrysene	13.95	228	767443m	26.03	ng		
85) Indeno(1,2,3-cd)pyrene	16.67	276	282225	10.64	ng		95
87) Benzo(b)fluoranthene	14.93	252	762981m	28.41	ng		
88) Benzo(k)fluoranthene	14.95	252	315126m	13.34	ng		
89) Benzo(a)pyrene	15.28	252	613230m	25.34	ng		
90) Dibenzo(a,h)anthracene	16.68	278	71231	3.29	ng		94
91) Benzo(g,h,i)perylene	17.07	276	266382	12.08	ng	#	93

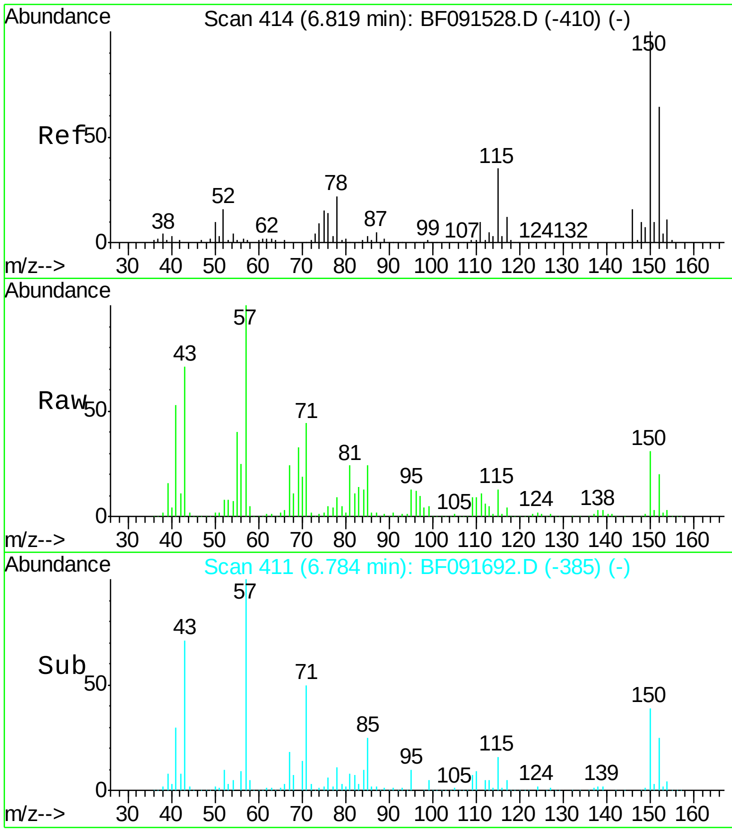
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091692.D
Acq On   : 17 Dec 2016 00:13
Operator : UM/SJ
Sample   : H6125-01
Misc   :
ALS Vial : 21   Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Quant Time: Dec 17 04:16:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 16 00:35:41 2016
Response via : Initial Calibration



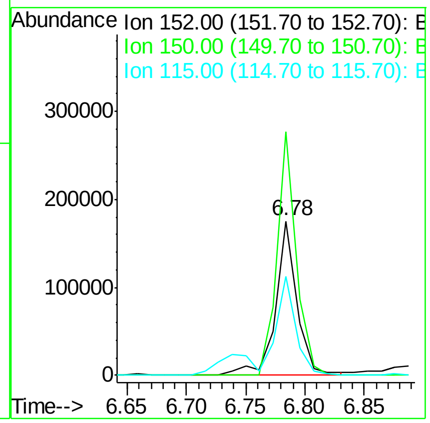


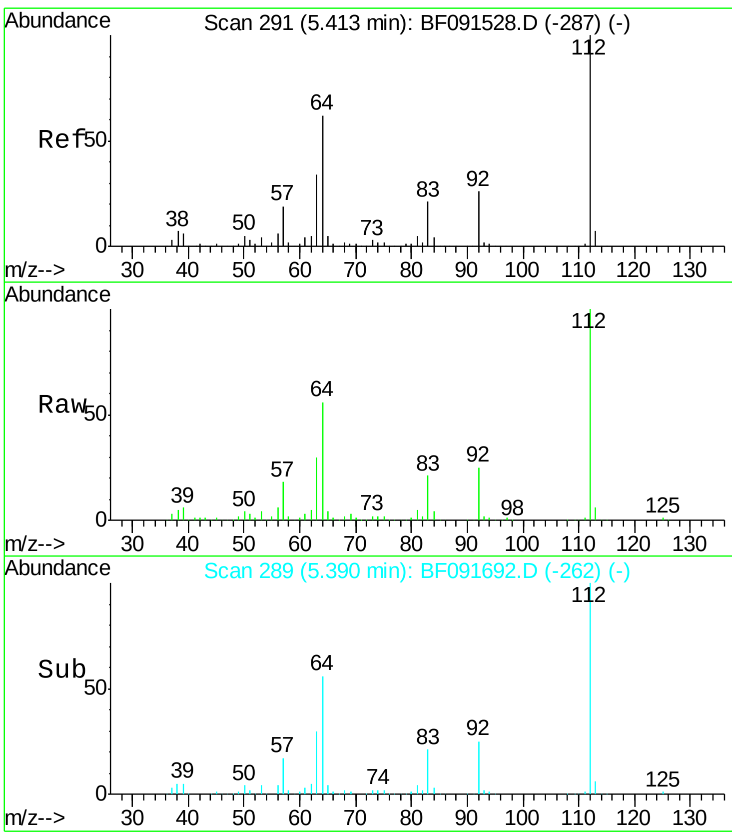
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion:152 Resp: 216037

Ion	Ratio	Lower	Upper
152	100		
150	157.6	122.5	183.7
115	64.3	51.8	77.8

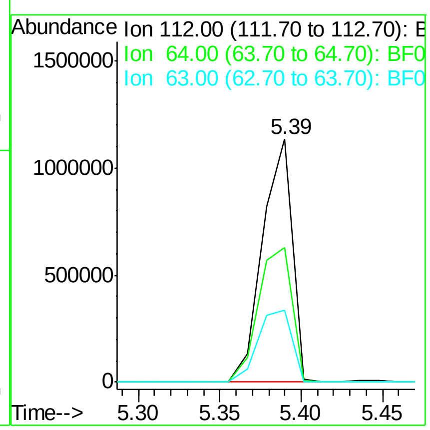


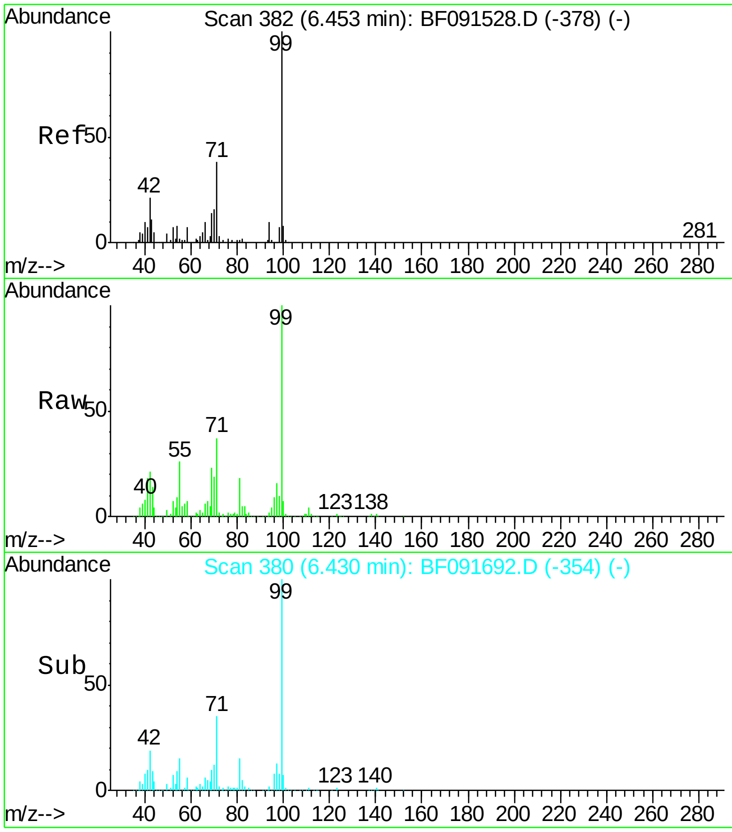


#5
2-Fluorophenol
Concen: 113.05 ng
RT: 5.39 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:112 Resp: 1449595

Ion	Ratio	Lower	Upper
112	100		
64	55.5	61.5	92.3#
63	29.8	33.3	49.9#



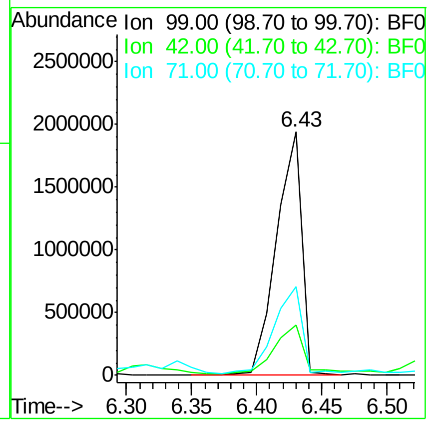


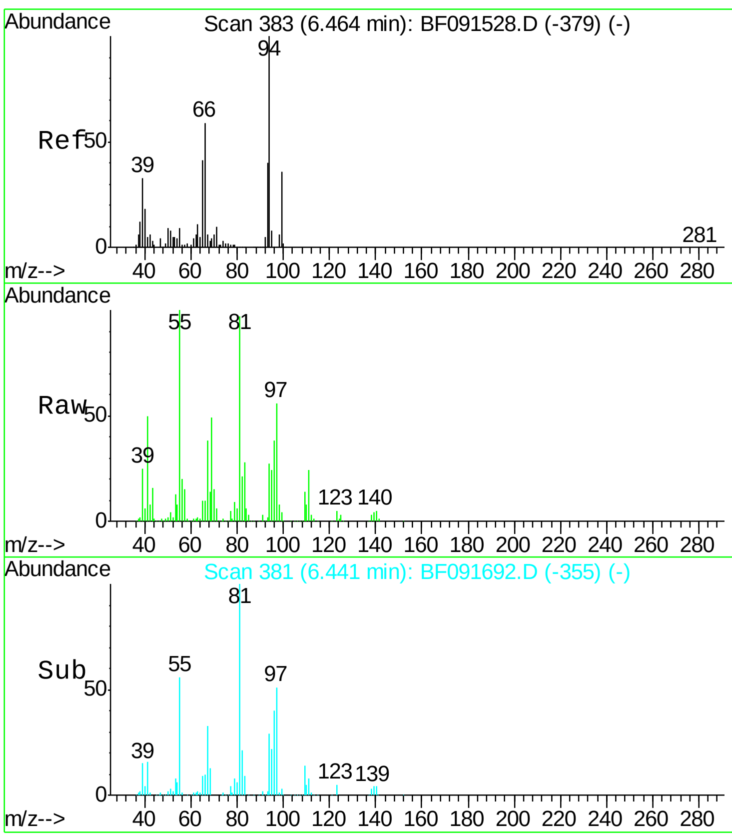
#7
Phenol-d6
Concen: 165.40 ng
RT: 6.43 min Scan# 380
Delta R.T. -0.00 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion: 99 Resp: 2644096

Ion	Ratio	Lower	Upper
99	100		
42	20.5	20.6	31.0#
71	36.6	29.9	44.9

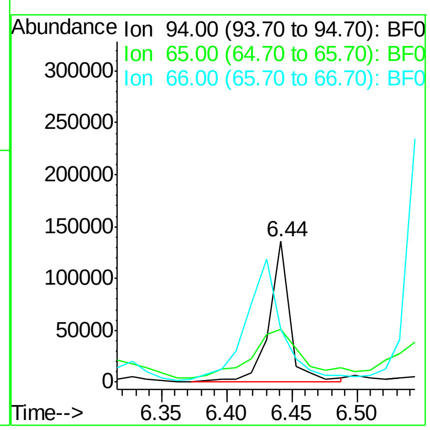


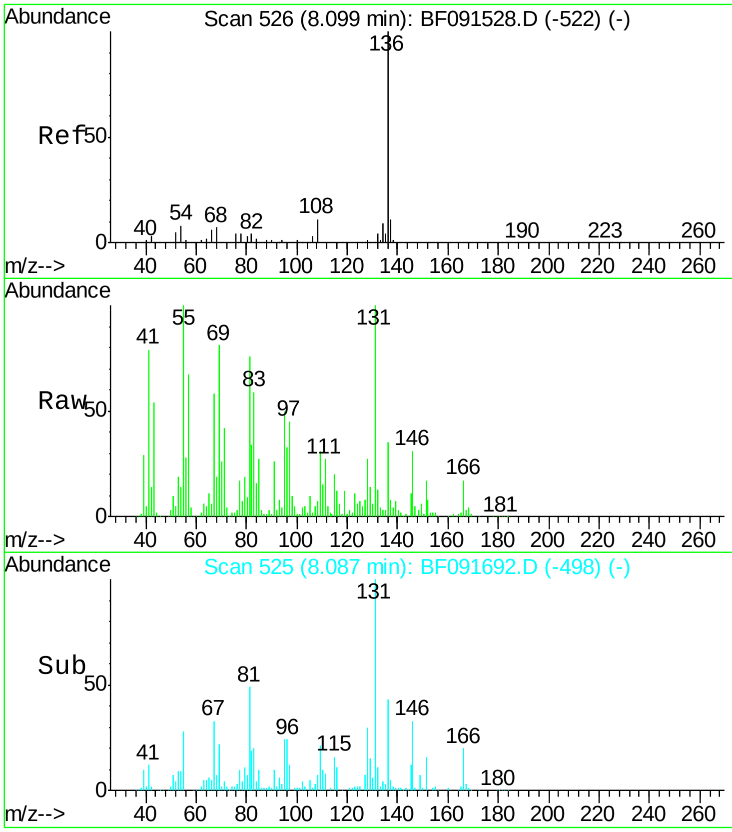


#10
Phenol
Concen: 8.02 ng
RT: 6.44 min Scan# 381
Delta R.T. -0.00 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion: 94 Resp: 149897

Ion	Ratio	Lower	Upper
94	100		
65	37.7	16.9	56.9
66	37.5	30.6	70.6



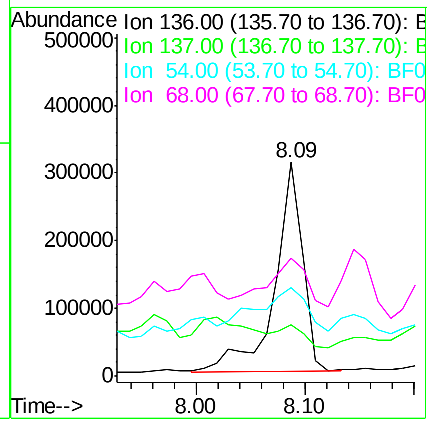


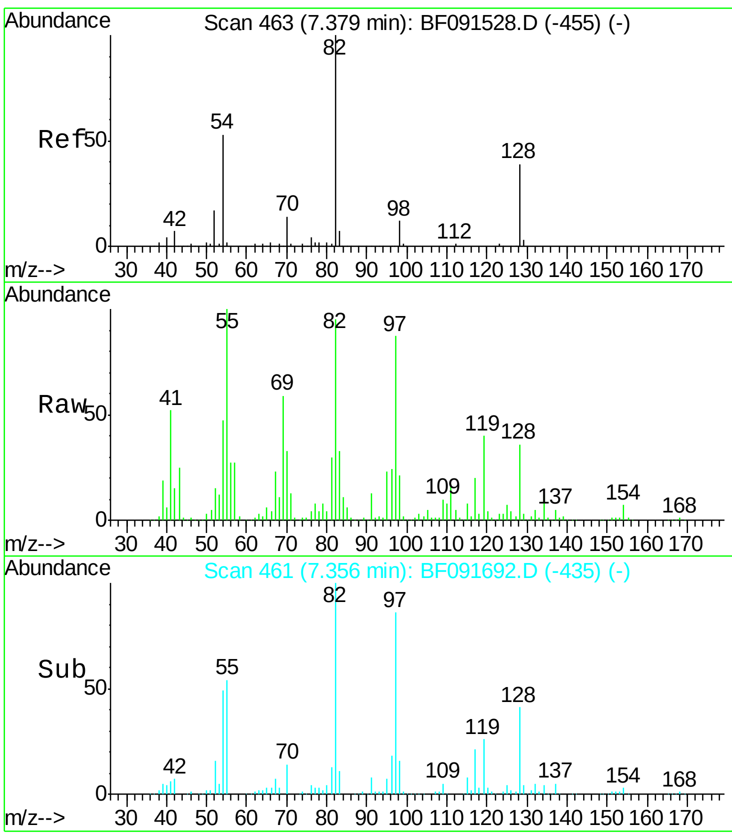
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. 0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument : BNA_F
ClientSampleId : SB-49(11-13)-12-14-16

Tgt Ion:136 Resp: 546343

Ion	Ratio	Lower	Upper
136	100		
137	23.8	9.1	13.7#
54	41.2	9.1	13.7#
68	55.0	5.9	8.9#

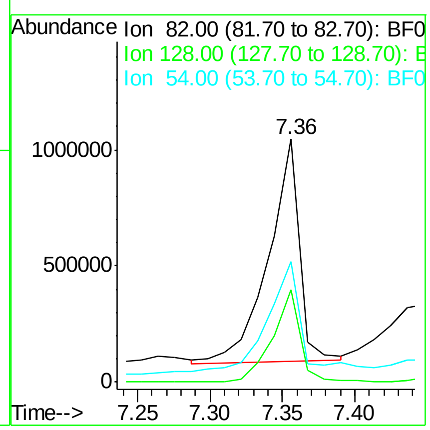


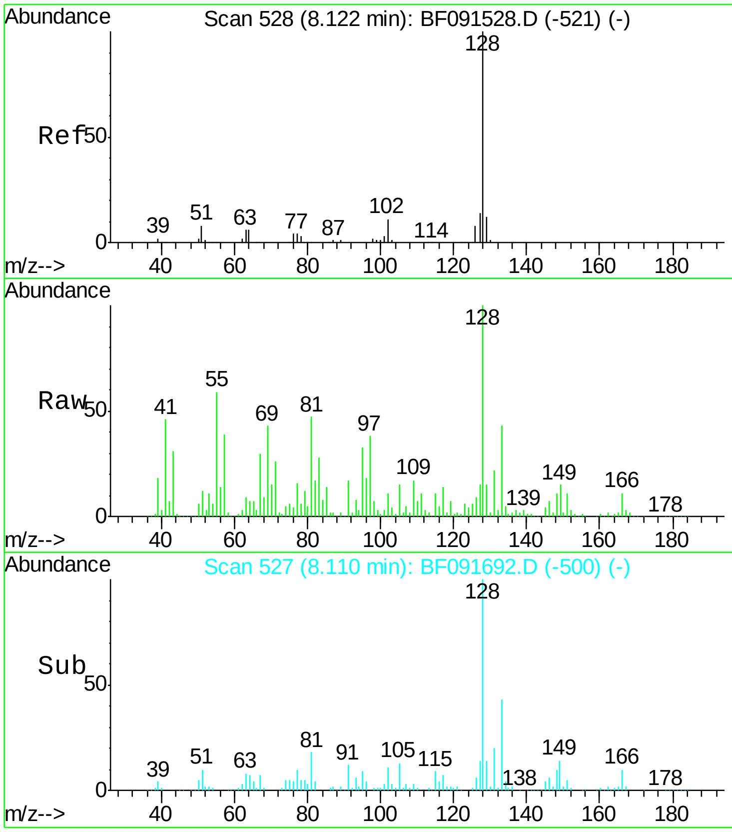


#23
Nitrobenzene-d5
Concen: 145.41 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.00 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion: 82 Resp: 1423360

Ion	Ratio	Lower	Upper
82	100		
128	38.0	31.8	47.6
54	49.6	49.1	73.7



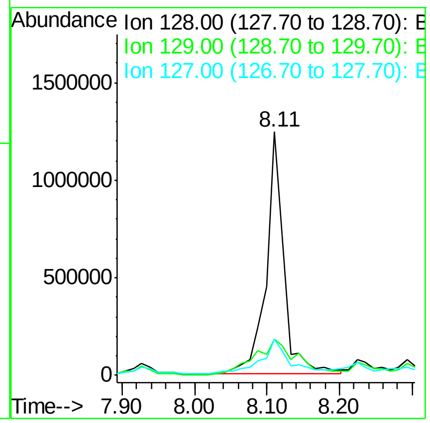


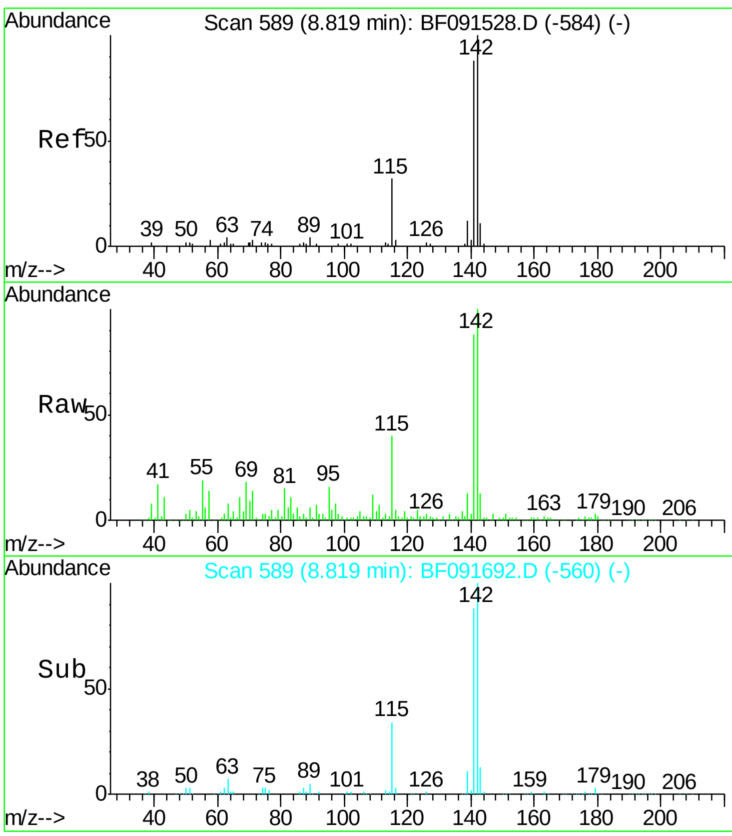
#31
Naphthalene
Concen: 85.89 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion:128 Resp: 2183281

Ion	Ratio	Lower	Upper
128	100		
129	14.7	9.1	13.7#
127	15.1	11.0	16.4

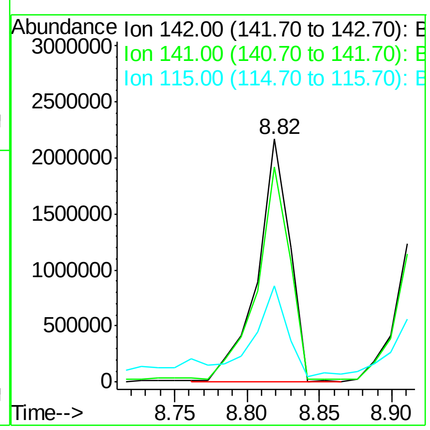


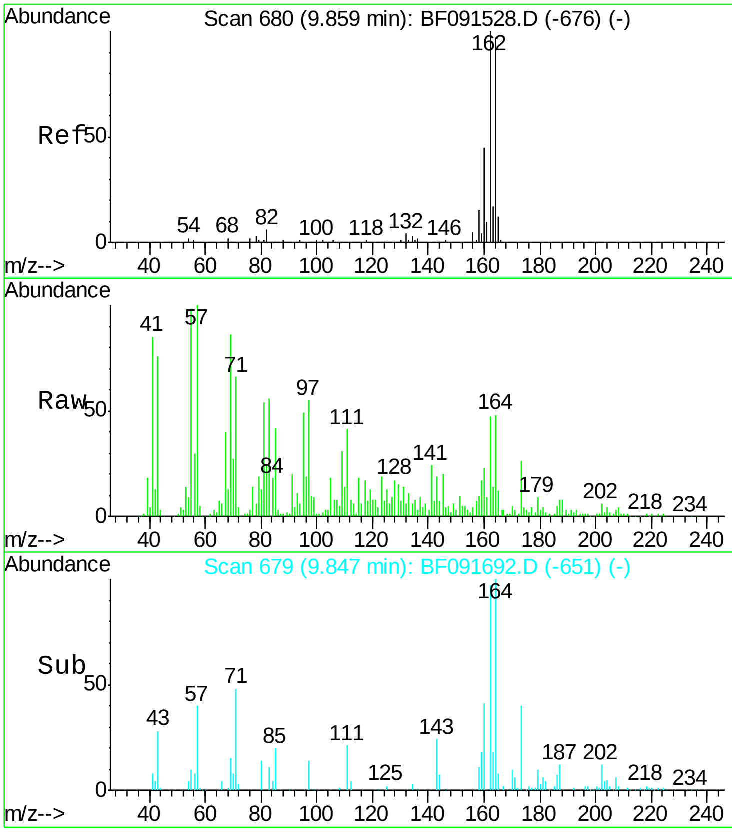


#37
2-Methylnaphthalene
Concen: 202.78 ng
RT: 8.82 min Scan# 589
Delta R.T. 0.03 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:142 Resp: 3336272

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.7	107.5
115	39.5	25.0	37.6#



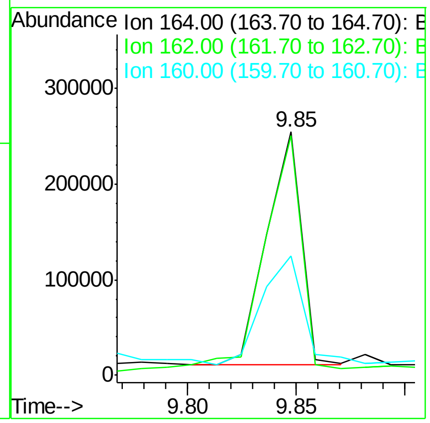


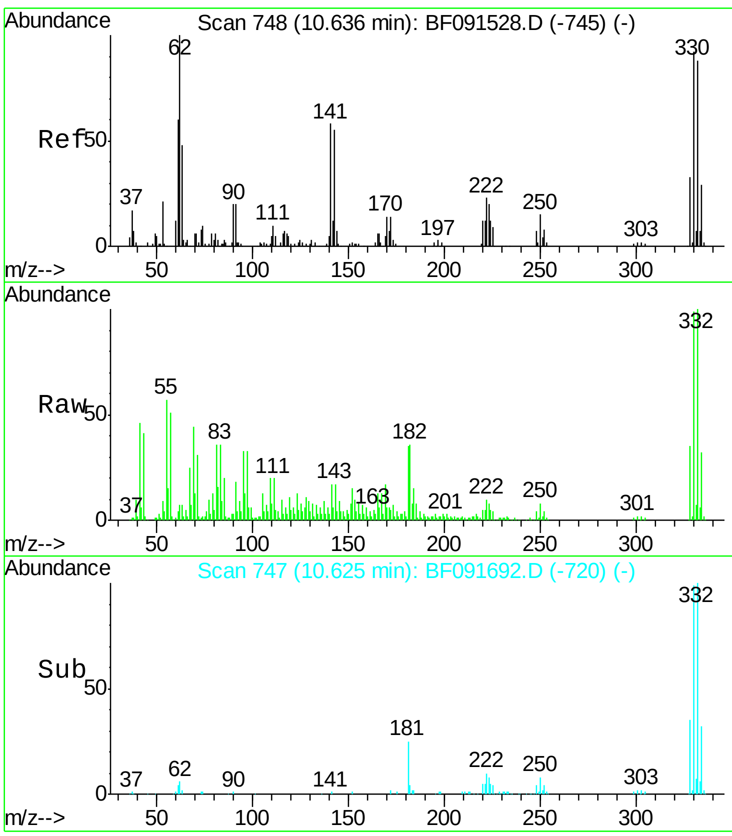
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. 0.02 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion:164 Resp: 273316

Ion	Ratio	Lower	Upper
164	100		
162	98.5	82.6	124.0
160	48.8	36.7	55.1

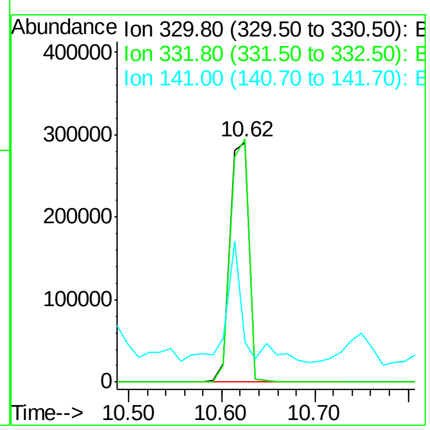


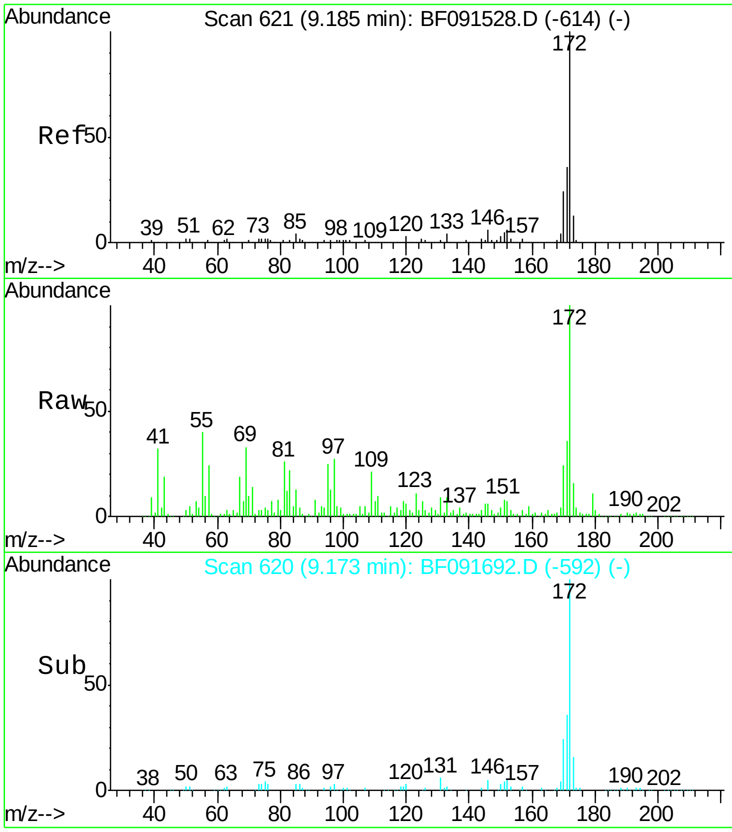


#41
2,4,6-Tribromophenol
Concen: 182.05 ng
RT: 10.62 min Scan# 747
Delta R.T. 0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:330 Resp: 413281

Ion	Ratio	Lower	Upper
330	100		
332	99.0	76.2	114.4
141	33.2	33.6	50.4#



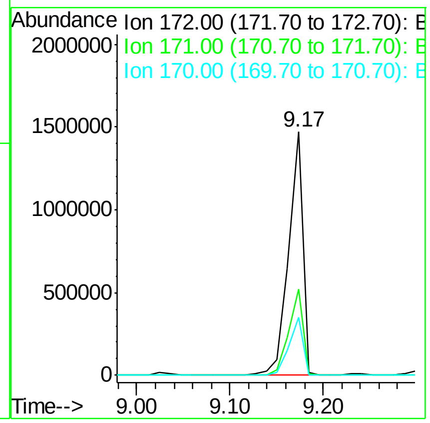


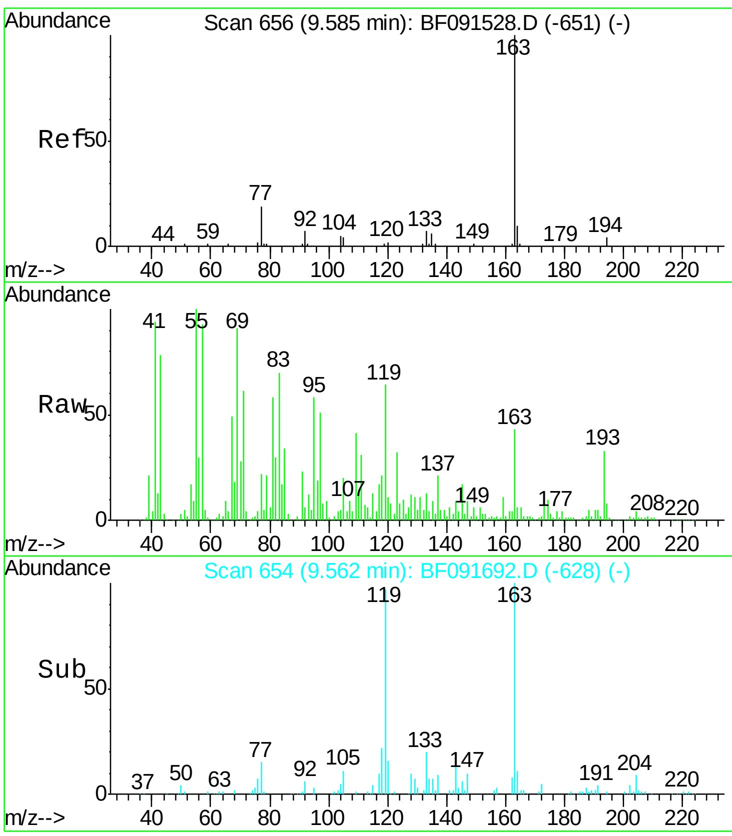
#44
2-Fluorobiphenyl
Concen: 98.75 ng
RT: 9.17 min Scan# 620
Delta R.T. 0.02 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion:172 Resp: 1561970

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	23.8	19.7	29.5

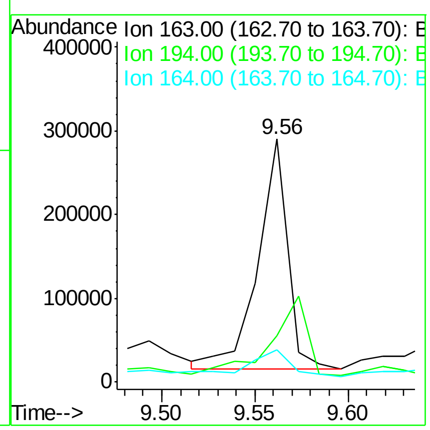


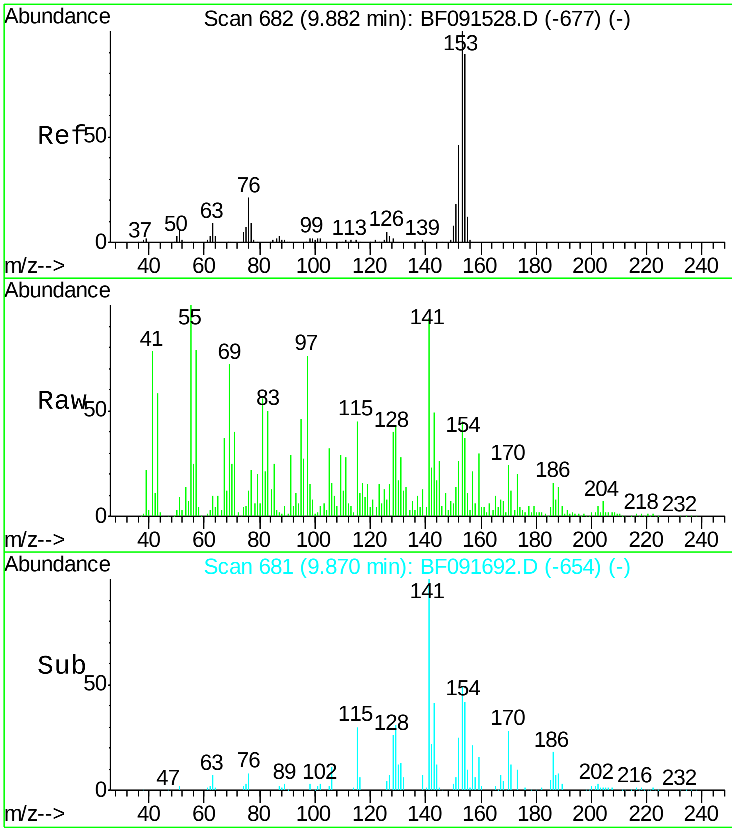


#49
Dimethylphthalate
Concen: 17.35 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.00 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:163 Resp: 300248

Ion	Ratio	Lower	Upper
163	100		
194	18.9	3.0	4.4#
164	13.5	7.8	11.8#



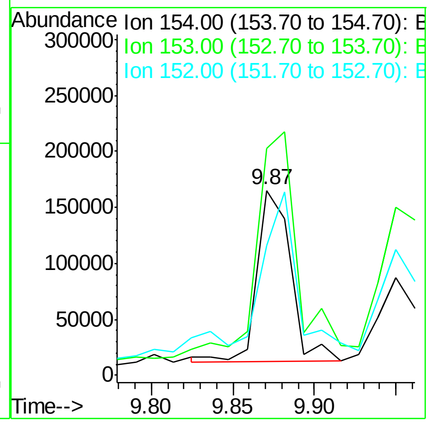


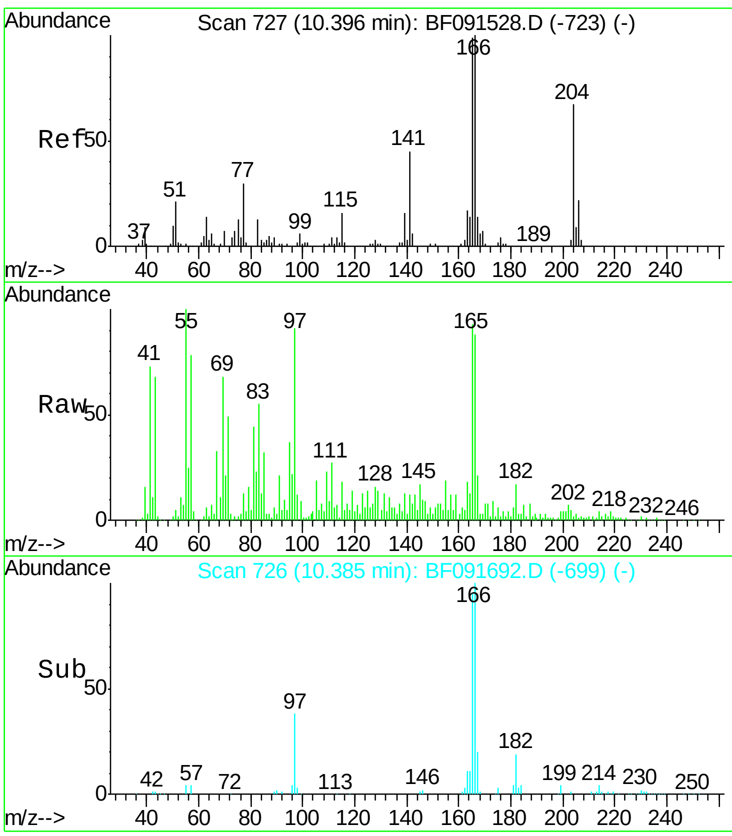
#51
Acenaphthene
Concen: 13.39 ng
RT: 9.87 min   Scan# 681
Delta R.T.   0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion:154 Resp: 217383

Ion	Ratio	Lower	Upper
154	100		
153	122.2	91.0	136.6
152	69.8	44.2	66.2#

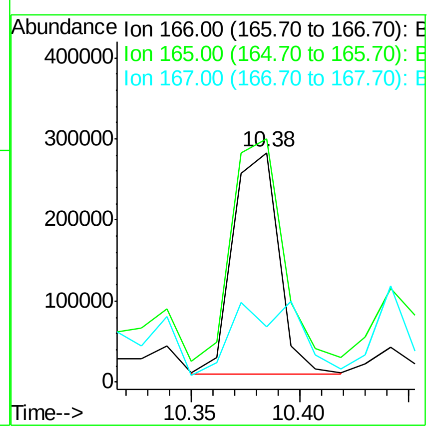


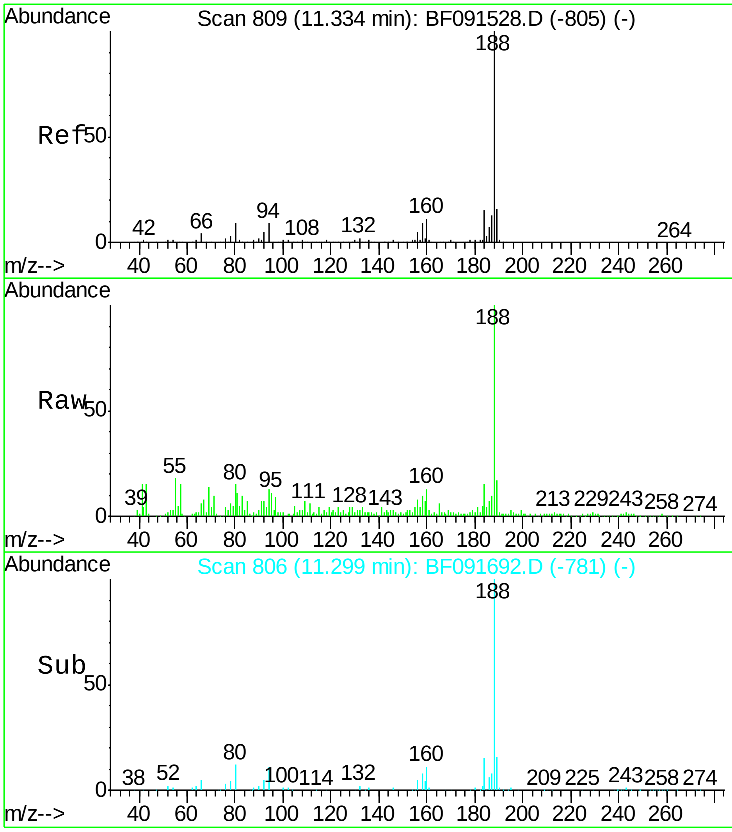


#57
Fluorene
Concen: 25.70 ng
RT: 10.38 min   Scan# 726
Delta R.T.   0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:166 Resp: 399439

Ion	Ratio	Lower	Upper
166	100		
165	106.1	80.0	120.0
167	24.0	10.8	16.2#



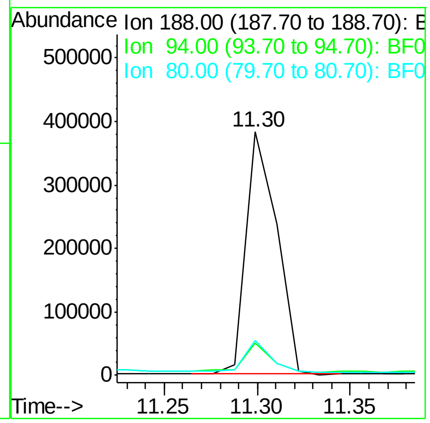


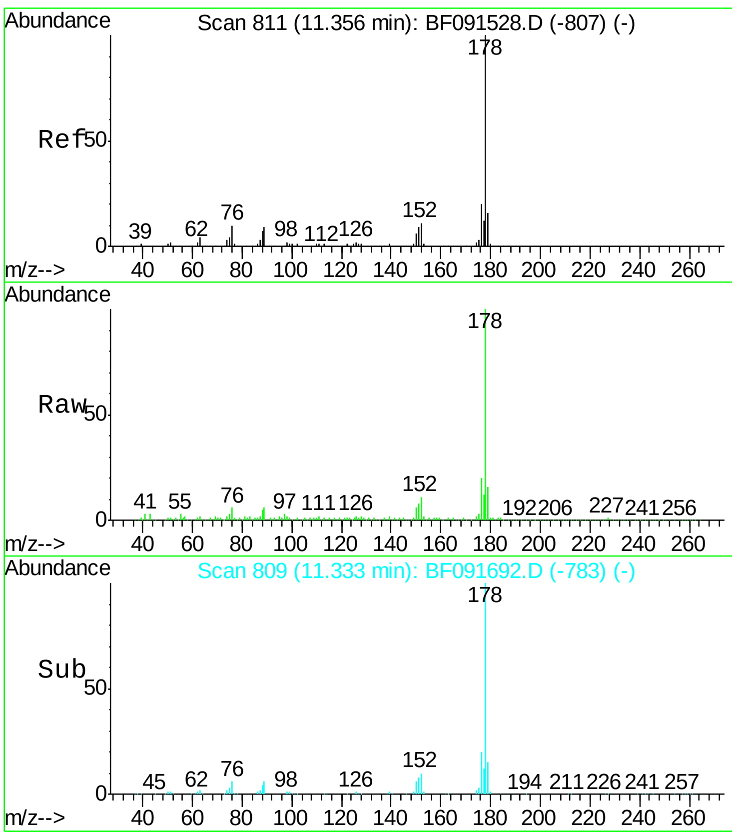
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion:188 Resp: 436613

Ion	Ratio	Lower	Upper
188	100		
94	13.2	9.2	13.8
80	14.6	10.5	15.7

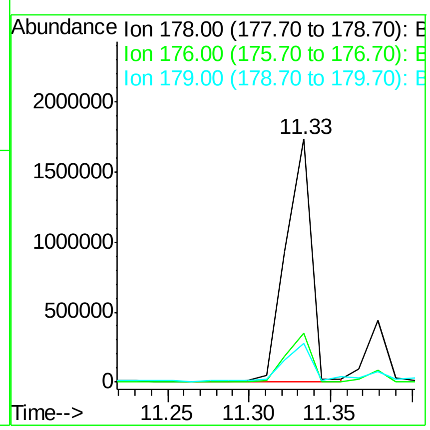


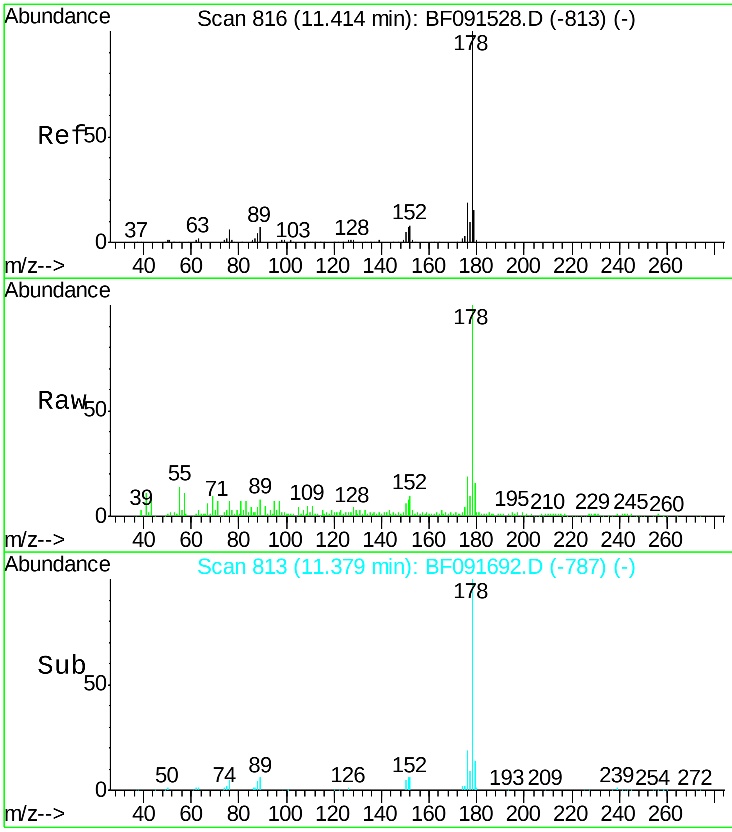


#70
Phenanthrene
Concen: 87.02 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:178 Resp: 1881457

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	16.2	12.6	18.8



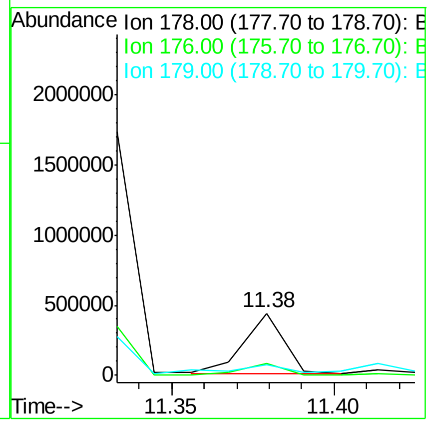


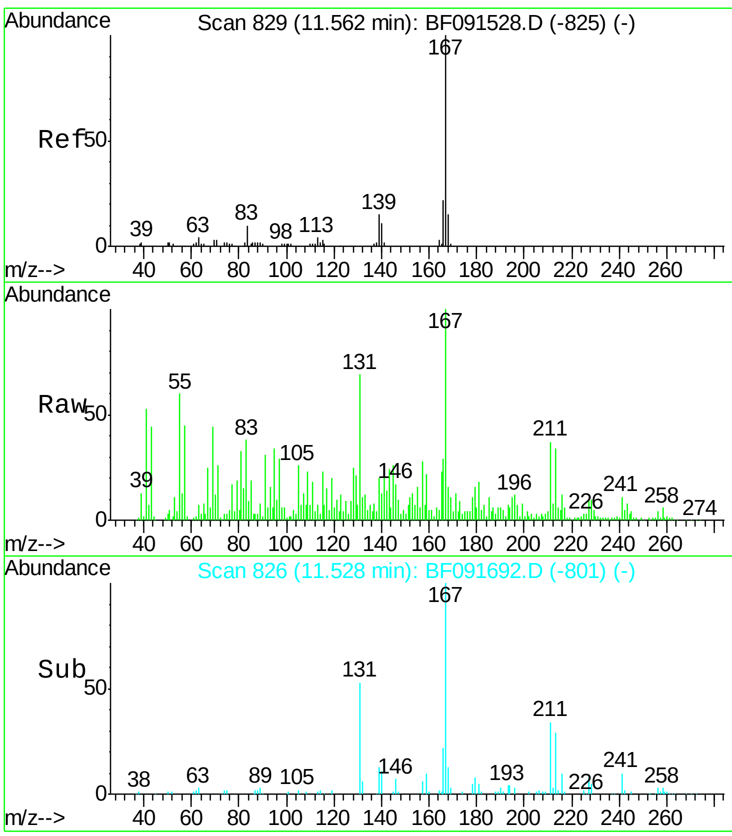
#71
Anthracene
Concen: 15.33 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion:178 Resp: 357616

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.6
179	16.3	12.7	19.1

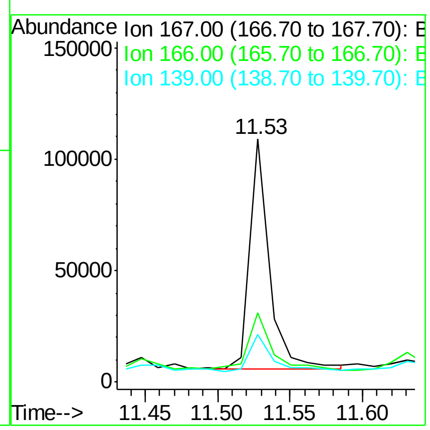


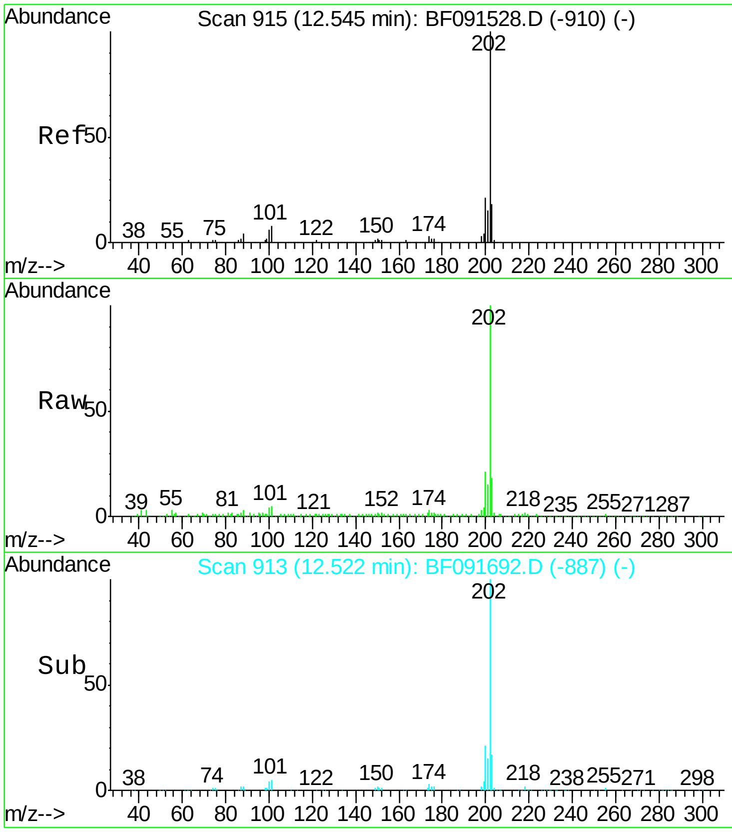


#72
Carbazole
Concen: 4.74 ng
RT: 11.53 min Scan# 826
Delta R.T. -0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:167 Resp: 96957

Ion	Ratio	Lower	Upper
167	100		
166	28.7	18.1	27.1#
139	19.7	11.5	17.3#

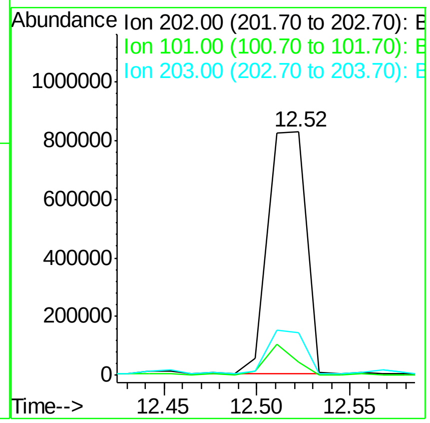


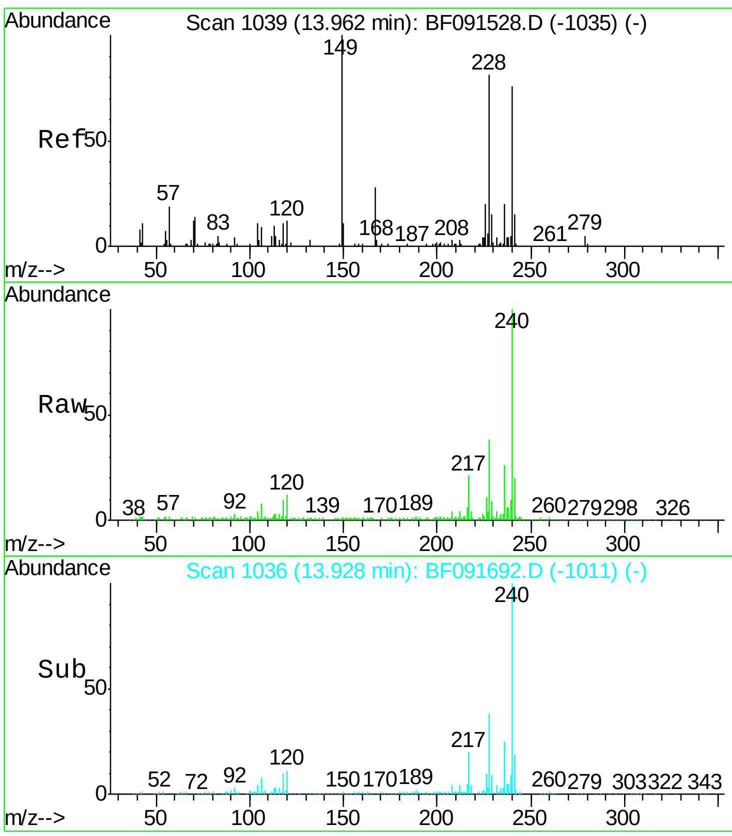


#74
Fluoranthene
Concen: 51.79 ng
RT: 12.52 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

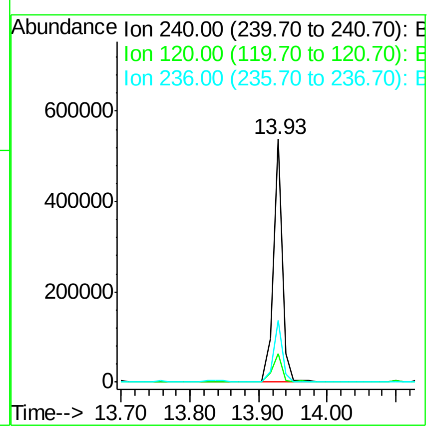
Tgt Ion:202	Resp: 1172492		
Ion	Ratio	Lower	Upper
202	100		
101	5.3	0.0	29.5
203	17.8	0.0	37.8

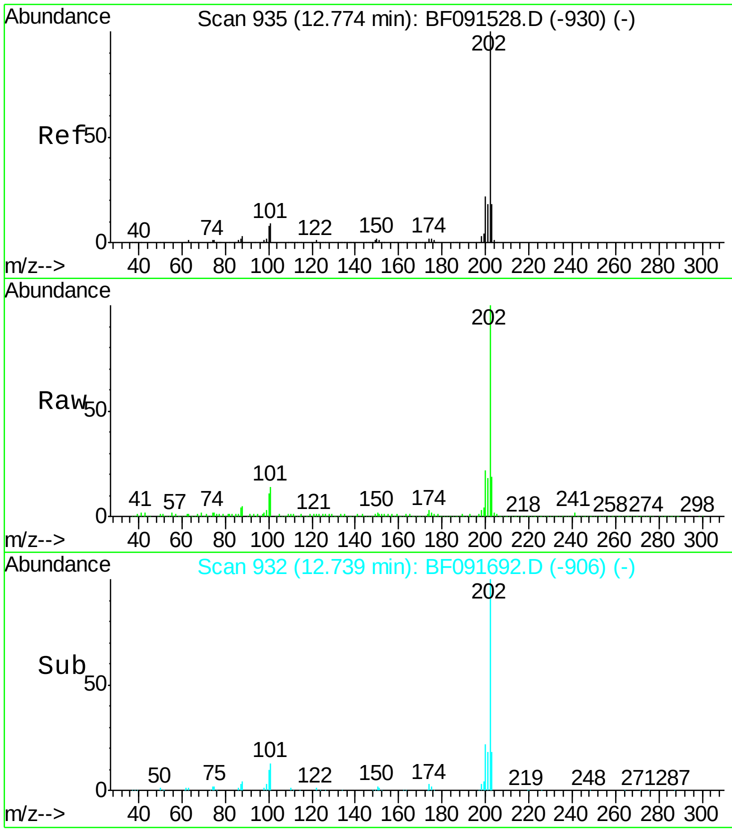




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:240	Resp: 485219		
Ion	Ratio	Lower	Upper
240	100		
120	11.5	12.1	18.1#
236	25.5	21.0	31.6



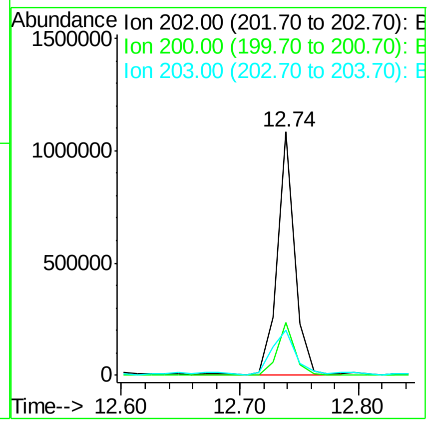


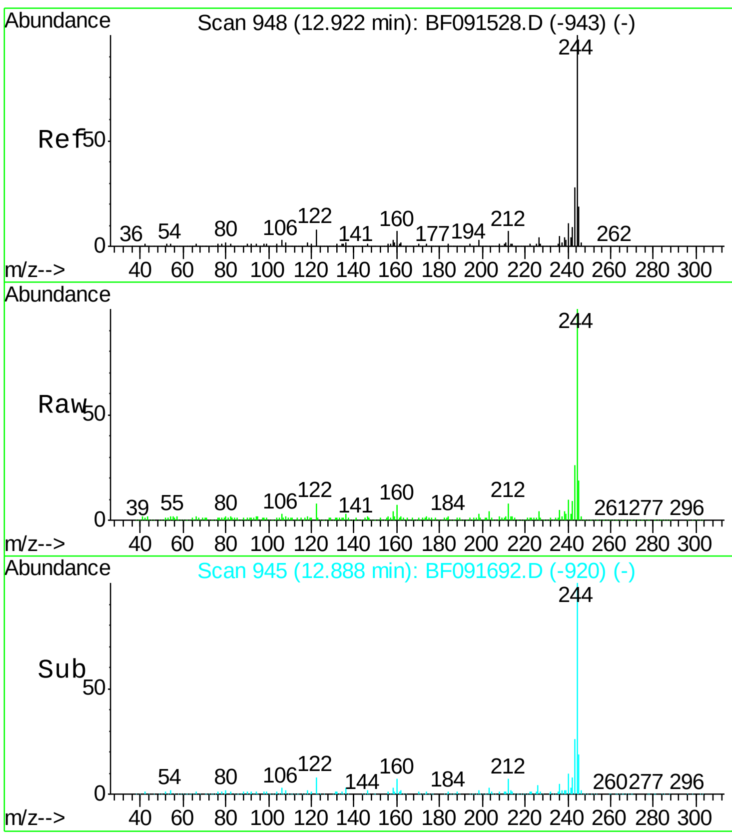
#77
Pyrene
Concen: 28.64 ng
RT: 12.74 min Scan# 932
Delta R.T. -0.00 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion:202 Resp: 1102633

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	18.7	14.0	21.0

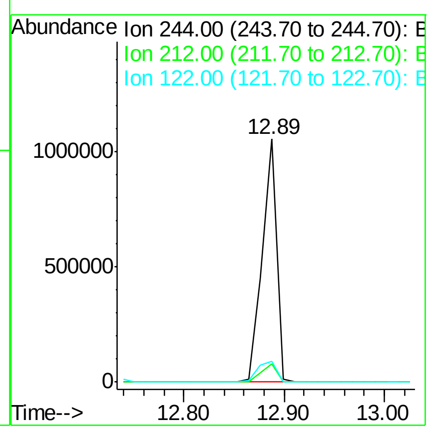


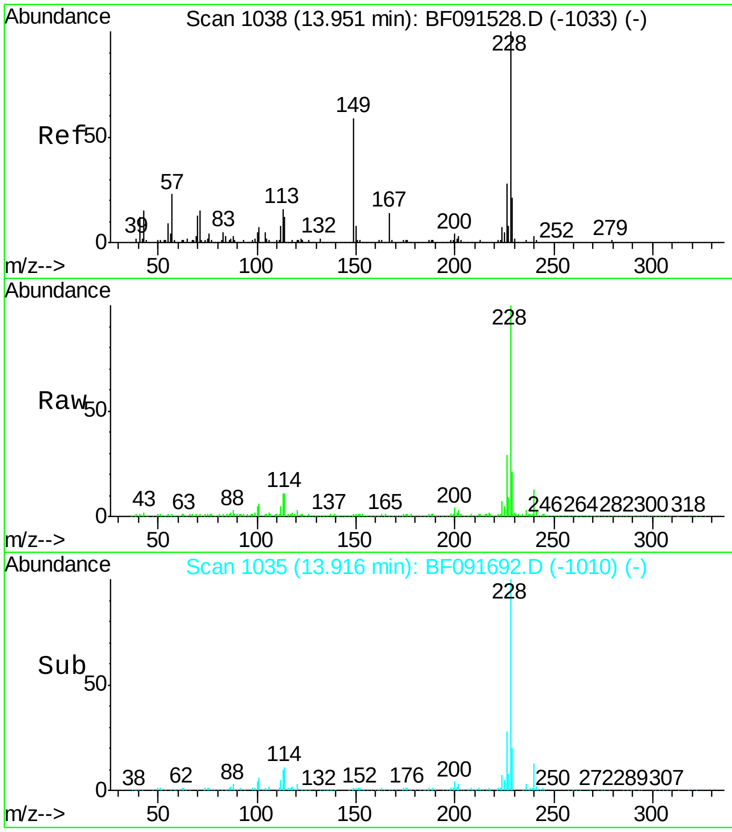


#78
Terphenyl-d14
Concen: 49.48 ng
RT: 12.89 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:244 Resp: 1058111

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	8.3	9.5	14.3#



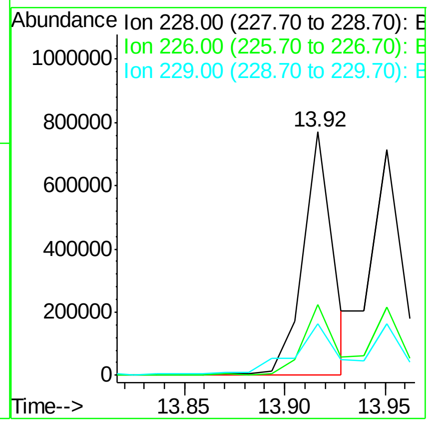


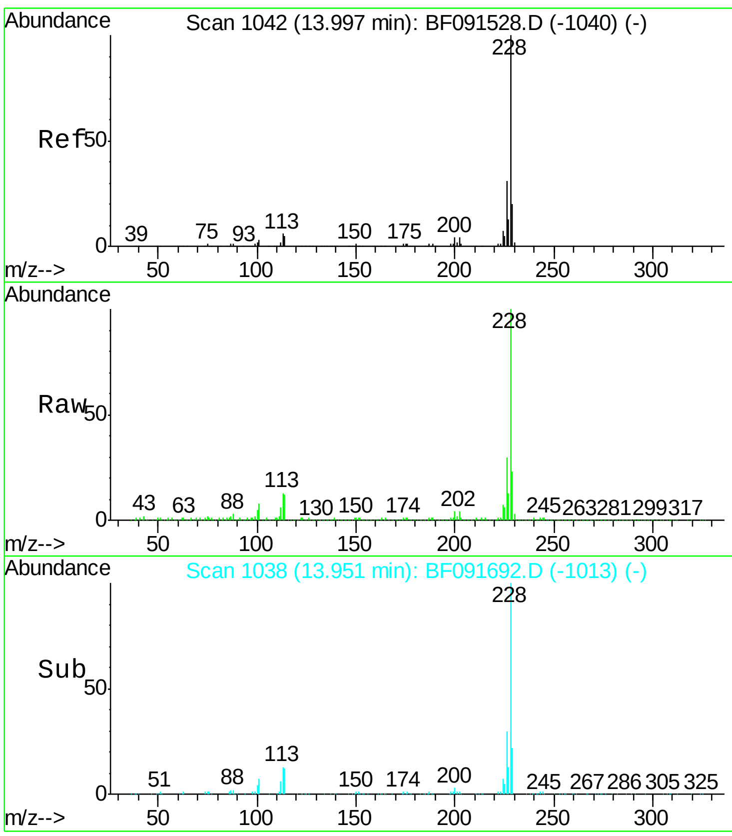
#80
Benzo(a)anthracene
Concen: 28.57 ng m
RT: 13.92 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion:228 Resp: 805142

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.5	33.7
229	21.2	16.4	24.6

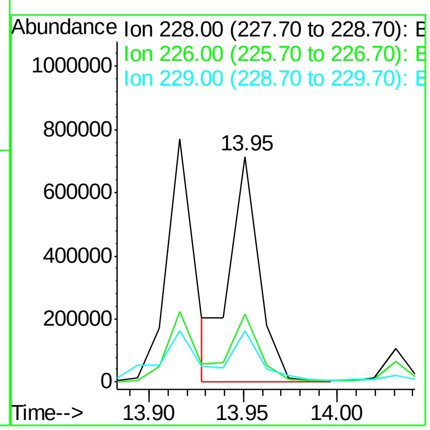


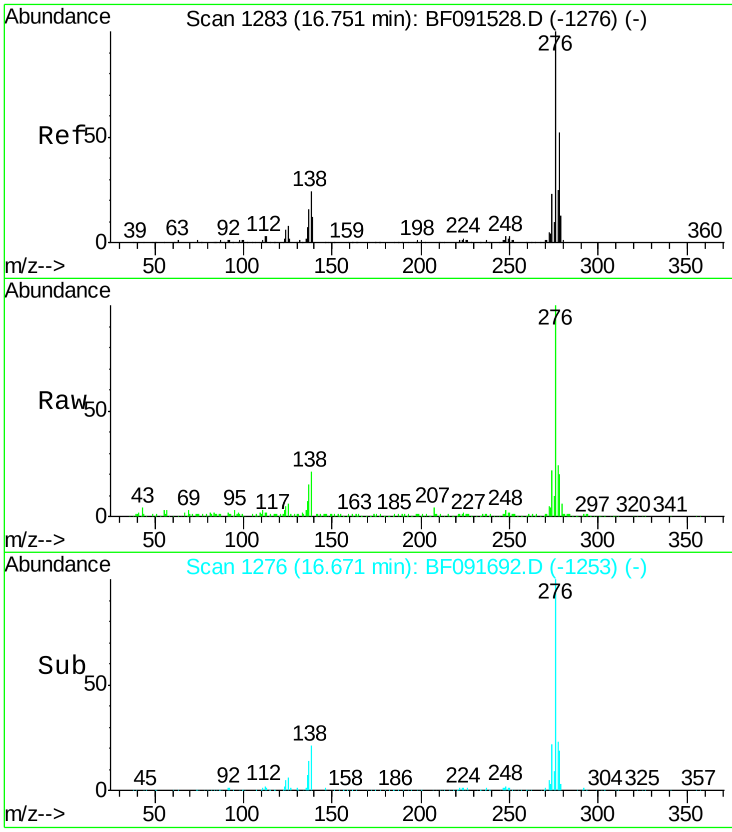


#82
Chrysene
Concen: 26.03 ng m
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:228 Resp: 767443

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.4
229	22.9	16.0	24.0



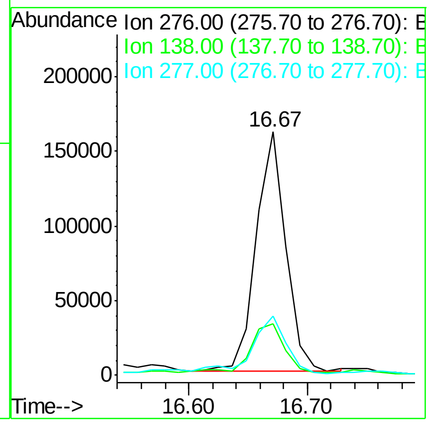


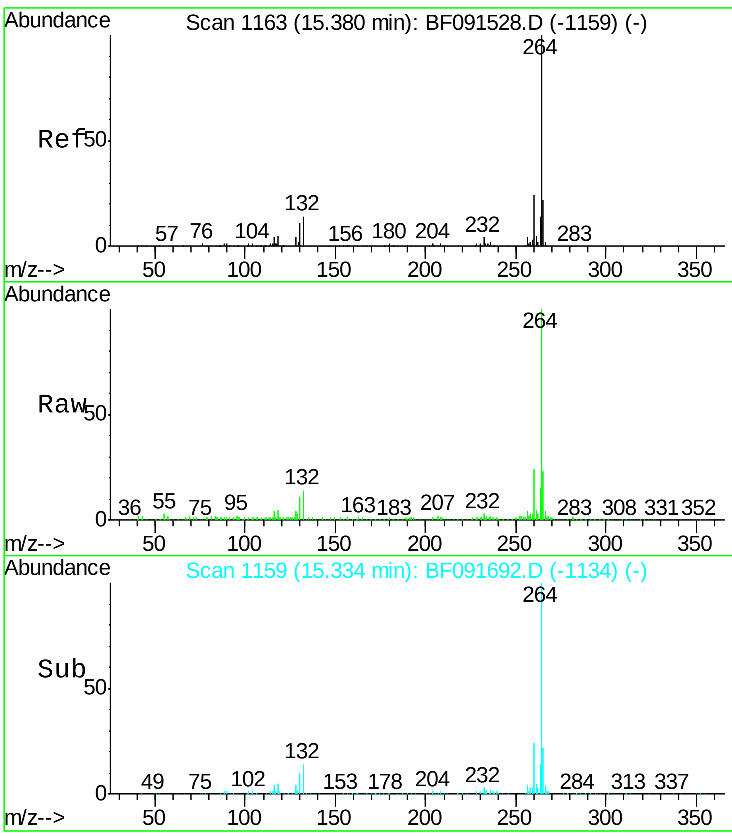
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.64 ng
RT: 16.67 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument : BNA_F
ClientSampleId : SB-49(11-13)-12-14-16

Tgt Ion:276 Resp: 282225

Ion	Ratio	Lower	Upper
276	100		
138	26.3	21.0	31.4
277	30.1	20.2	30.2

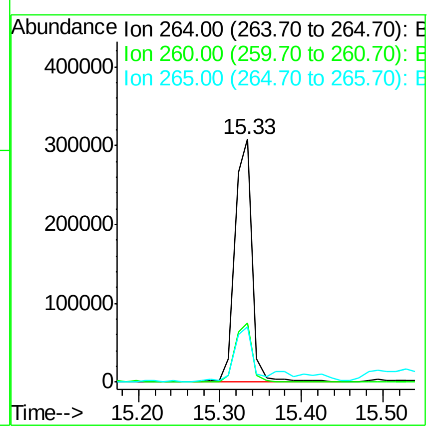


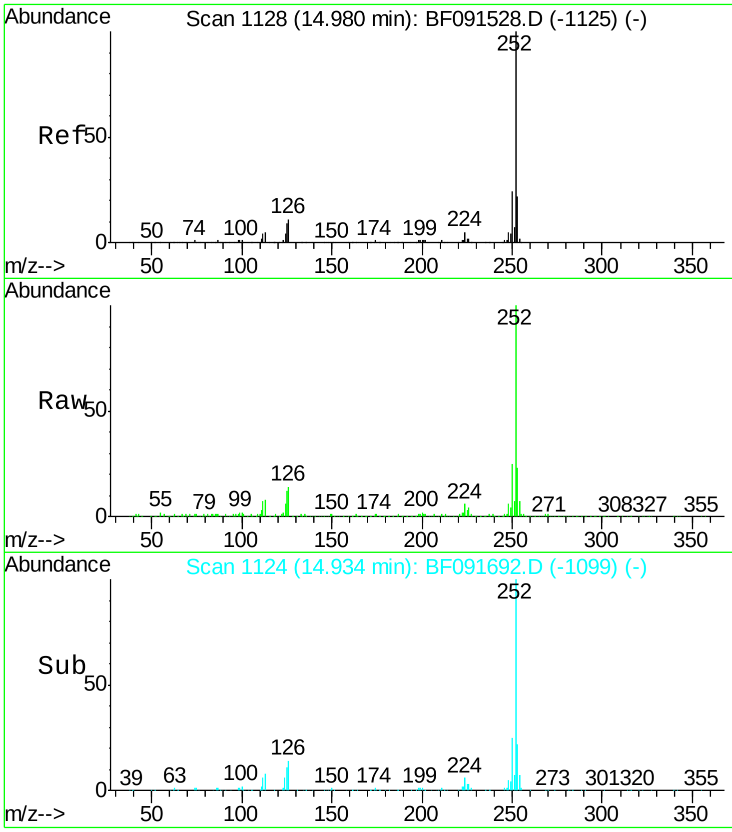


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:264 Resp: 450545

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	22.5	17.0	25.6



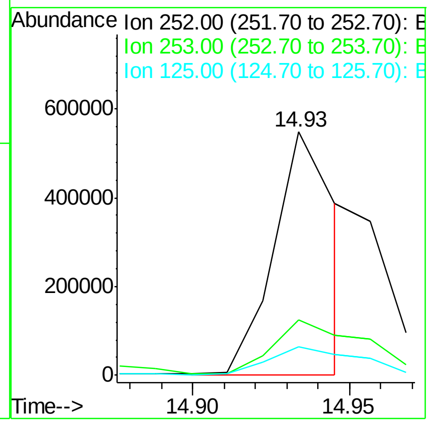


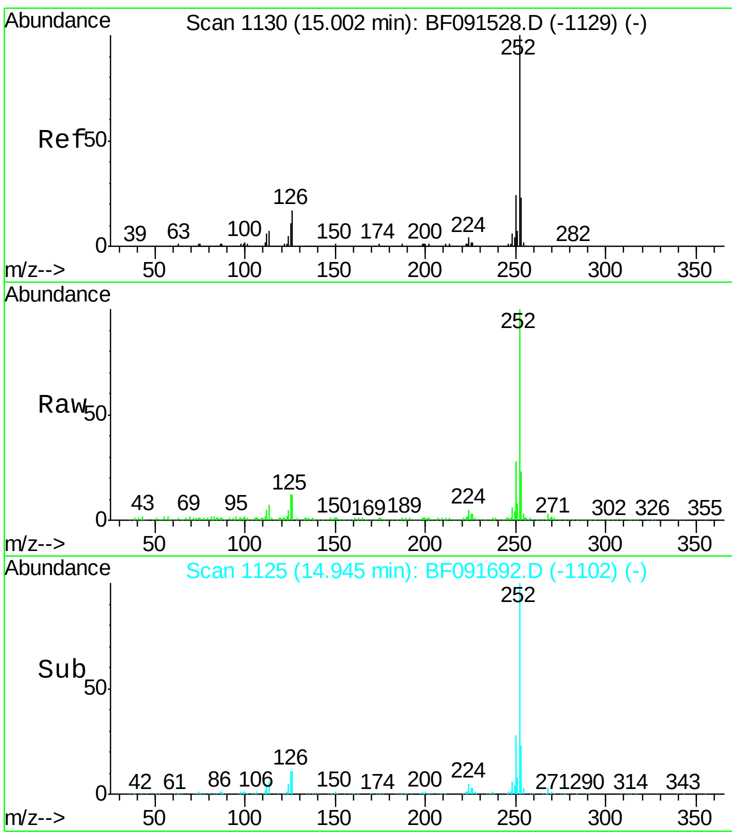
#87
Benzo(b)fluoranthene
Concen: 28.41 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion:252 Resp: 762981

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	11.9	8.6	13.0

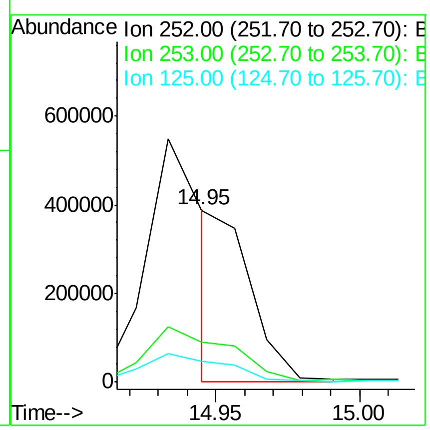


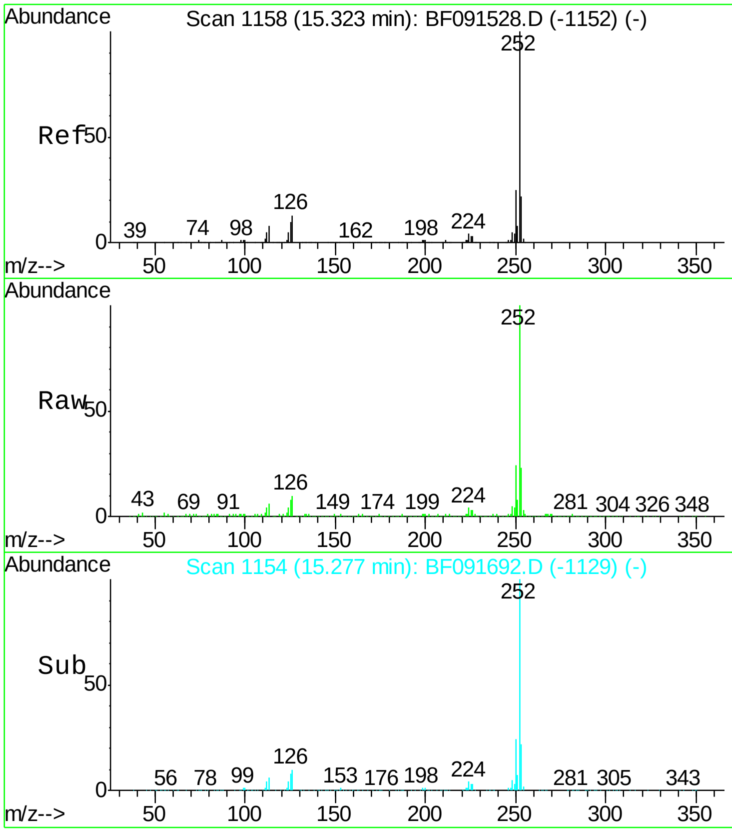


#88
Benzo(k)fluoranthene
Concen: 13.34 ng m
RT: 14.95 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:252 Resp: 315126

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	11.9	9.6	14.4



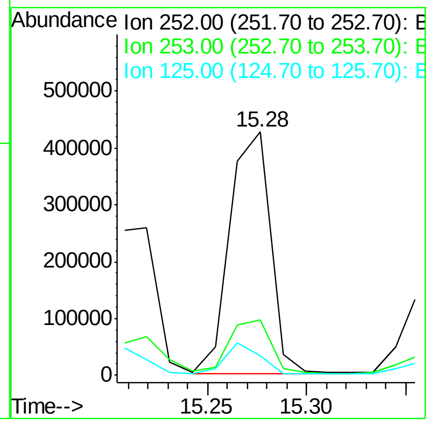


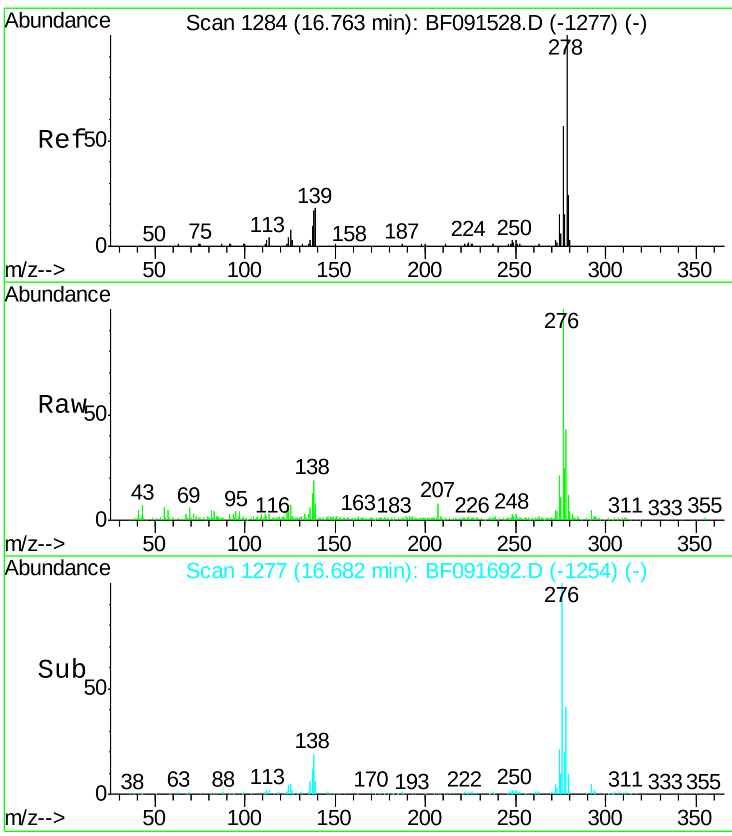
#89
Benzo(a)pyrene
Concen: 25.34 ng m
RT: 15.28 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion:252 Resp: 613230

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	8.1	10.4	15.6#

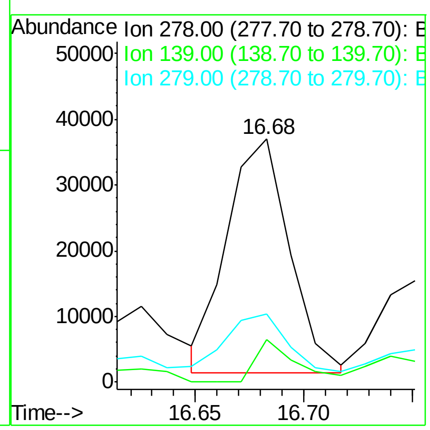


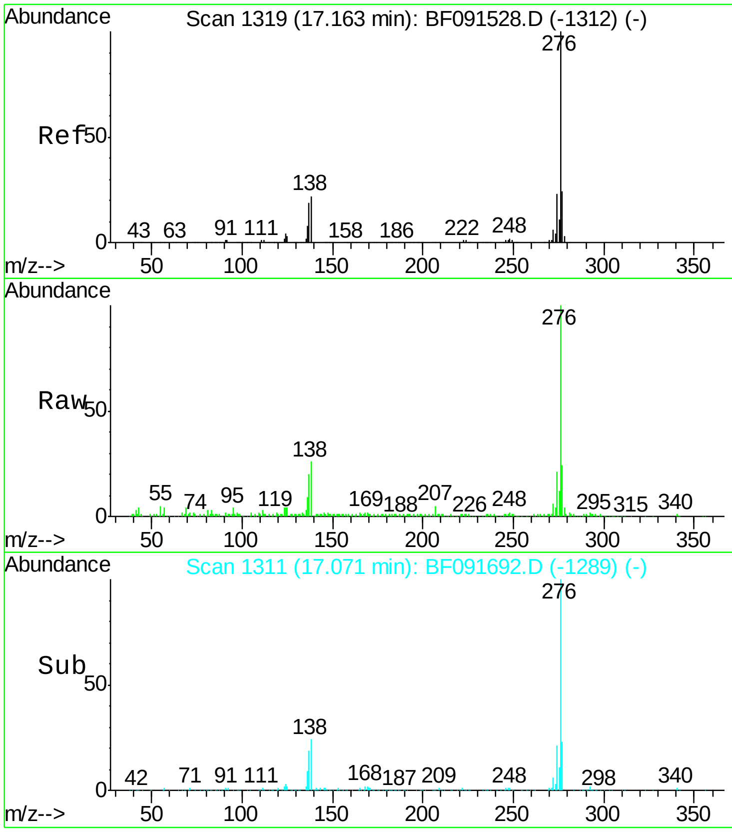


#90
Dibenzo(a,h)anthracene
Concen: 3.29 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.03 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:278 Resp: 71231

Ion	Ratio	Lower	Upper
278	100		
139	17.7	15.1	22.7
279	27.9	19.0	28.6





#91
Benzo(g,h,i)perylene
Concen: 12.08 ng
RT: 17.07 min Scan# 1311
Delta R.T.   -0.05 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion:276 Resp: 266382

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	25.7	15.4	23.0#