Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091771.D
Acq On : 19 Dec 2016 8:04
Operator : UM/SJ
Sample : H6007-12DL 2X
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-6-0-5DL

Quant Time: Dec 19 17:27:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 17 22:53:54 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	275677	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	1063969	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	467320	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	698144	20.00	ng	0.00
75) Chrysene-d12	13.93	240	558237	20.00	ng	0.00
86) Perylene-d12	15.33	264	614059	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	963973	58.58	ng	0.00
7) Phenol-d6	6.41	99	1049524	52.30	ng	-0.01
23) Nitrobenzene-d5	7.33	82	765971	41.52	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	192497	48.58	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1043770	44.87	ng	-0.01
78) Terphenyl-d14	12.88	244	777281	35.16	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.42	94	54410	2.41	ng	80
48) Acenaphthylene	9.66	152	113803	2.93	ng	99
49) Dimethylphthalate	9.53	163	290589	9.52	ng	99
51) Acenaphthene	9.84	154	113614	4.27	ng	100
54) Dibenzofuran	10.01	168	69685	2.20	ng	96
57) Fluorene	10.35	166	87242	3.55	ng	100
70) Phenanthrene	11.31	178	1140169	32.68	ng	99
71) Anthracene	11.36	178	319139	8.64	ng	97
72) Carbazole	11.52	167	126871	3.93	ng	98
74) Fluoranthene	12.50	202	1633479	44.83	ng	97
77) Pyrene	12.73	202	1635195	40.56	ng	100
80) Benzo(a)anthracene	13.92	228	992698	31.09	ng	96
82) Chrysene	13.95	228	928043	28.04	ng	96
85) Indeno(1,2,3-cd)pyrene	16.68	276	552462	16.98	ng	96
87) Benzo(b)fluoranthene	14.93	252	1469428m	37.74	ng	
88) Benzo(k)fluoranthene	14.96	252	192934m	7.06	ng	
89) Benzo(a)pyrene	15.28	252	909538	27.22	ng	98
90) Dibenzo(a,h)anthracene	16.69	278	149095	5.12	ng	96
91) Benzo(g,h,i)perylene	17.09	276	502408	16.97	ng	98

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

Quantitation Report (QT Reviewed)

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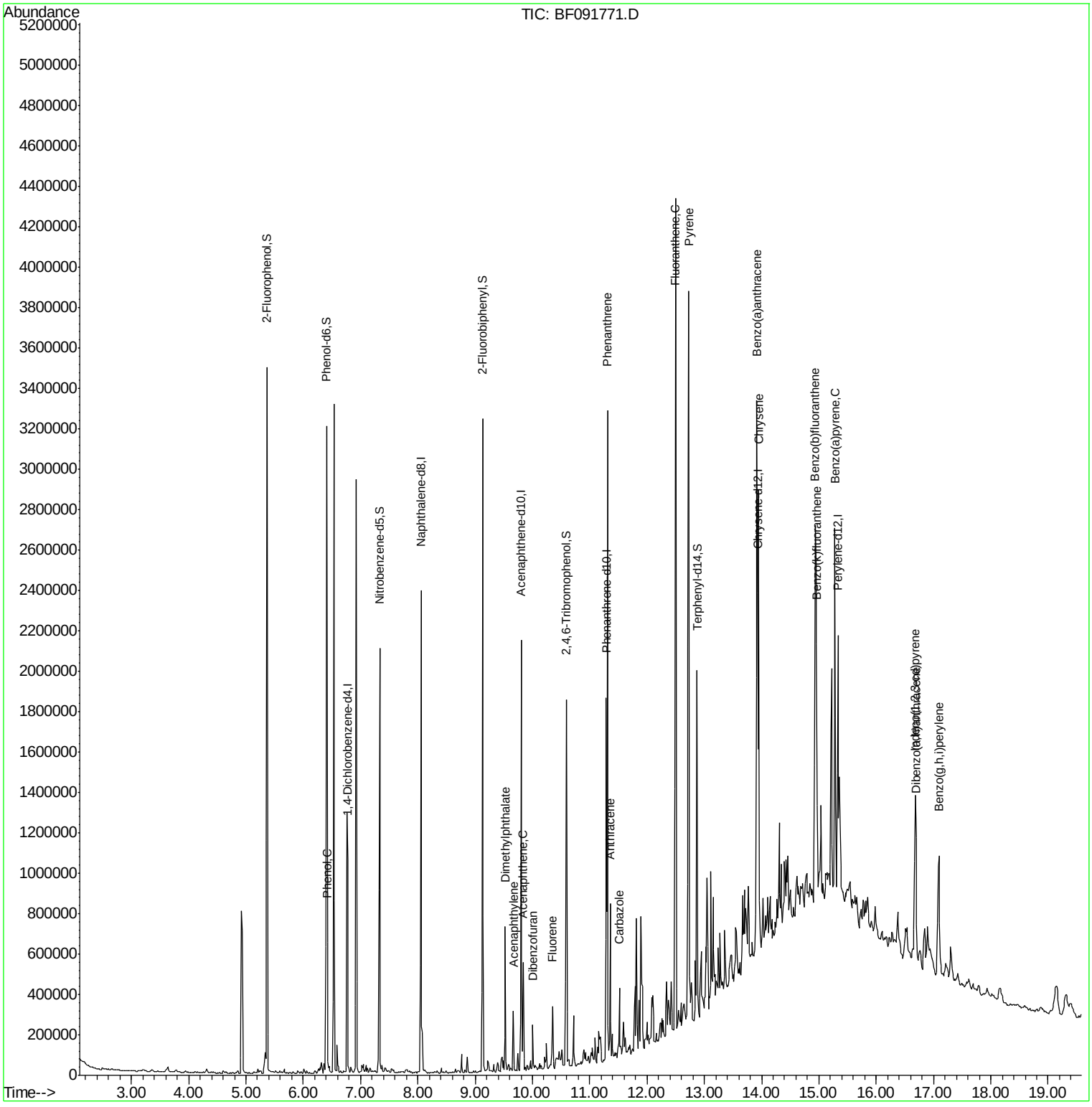
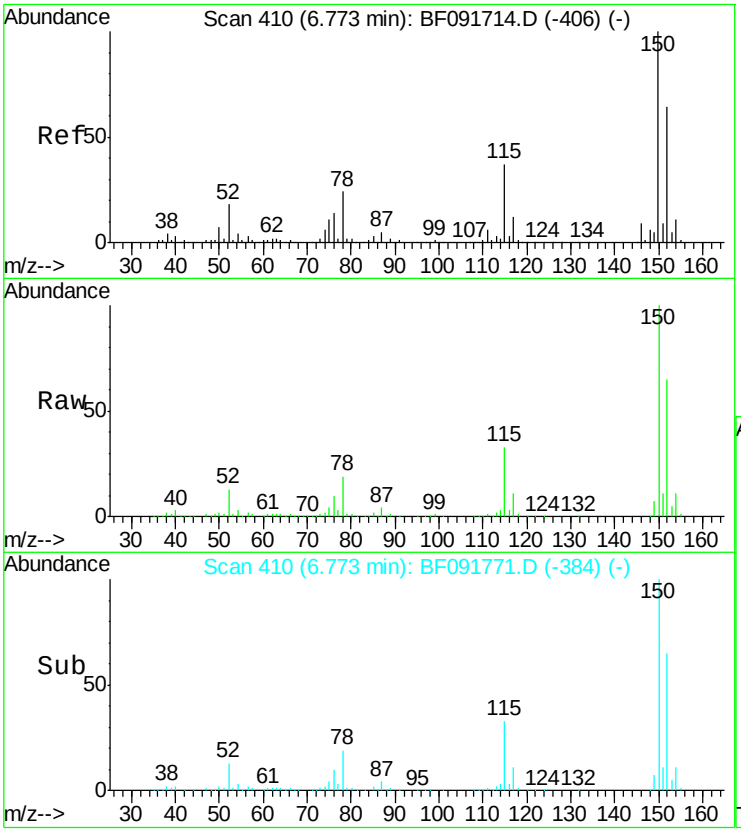


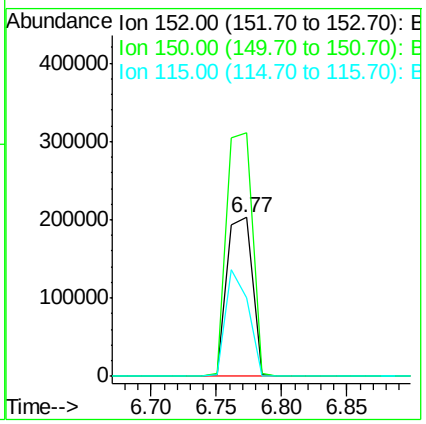


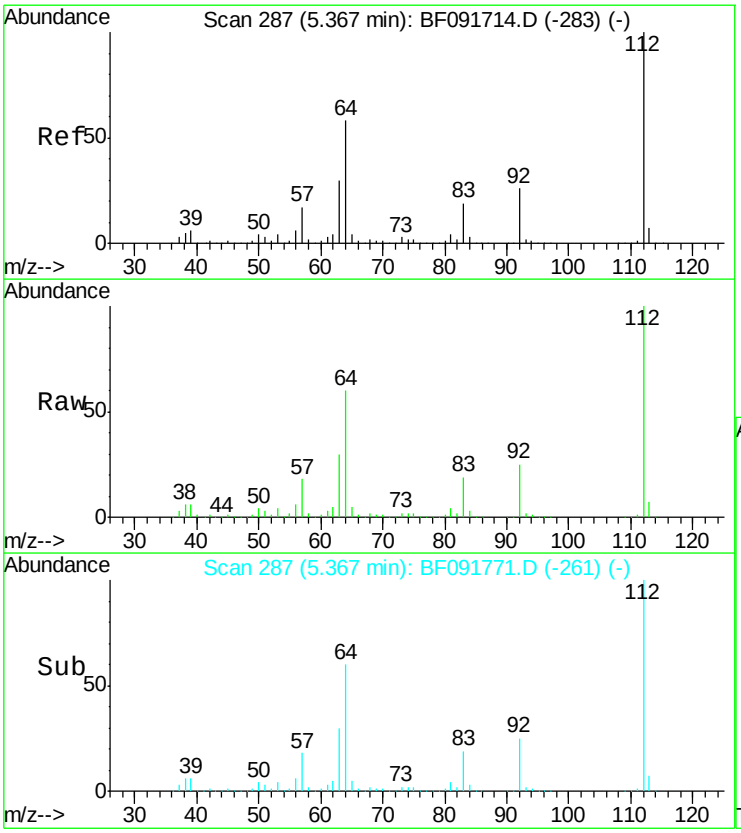
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion:152 Resp: 275677

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.9	187.3
115	49.9	46.0	69.0

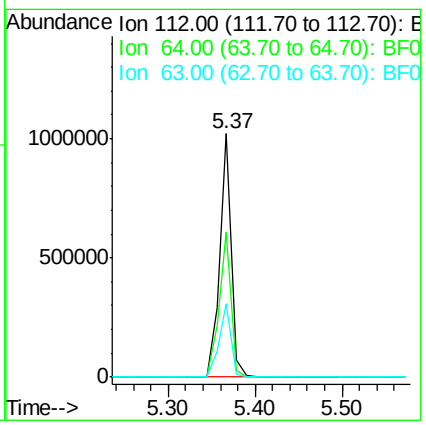


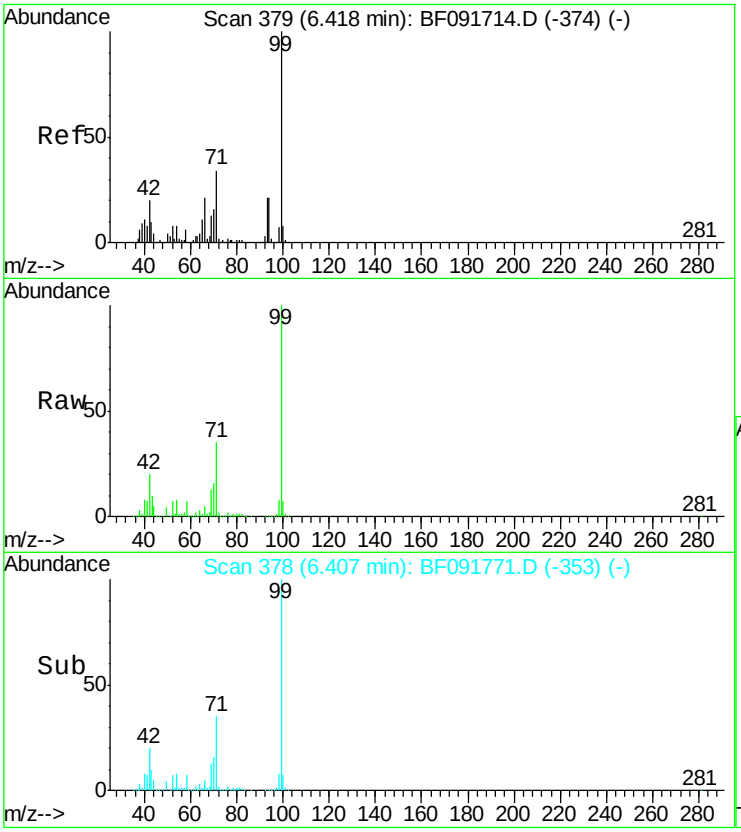


#5
2-Fluorophenol
Concen: 58.58 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion:112 Resp: 963973

Ion	Ratio	Lower	Upper
112	100		
64	59.8	46.1	69.1
63	30.3	23.8	35.6



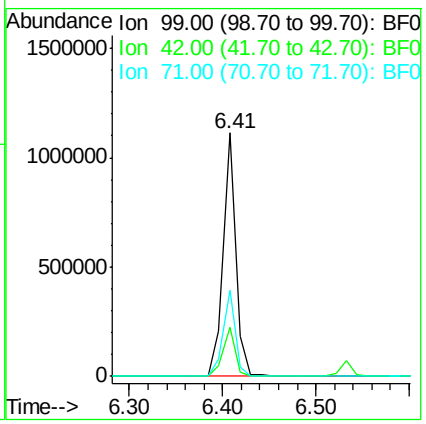


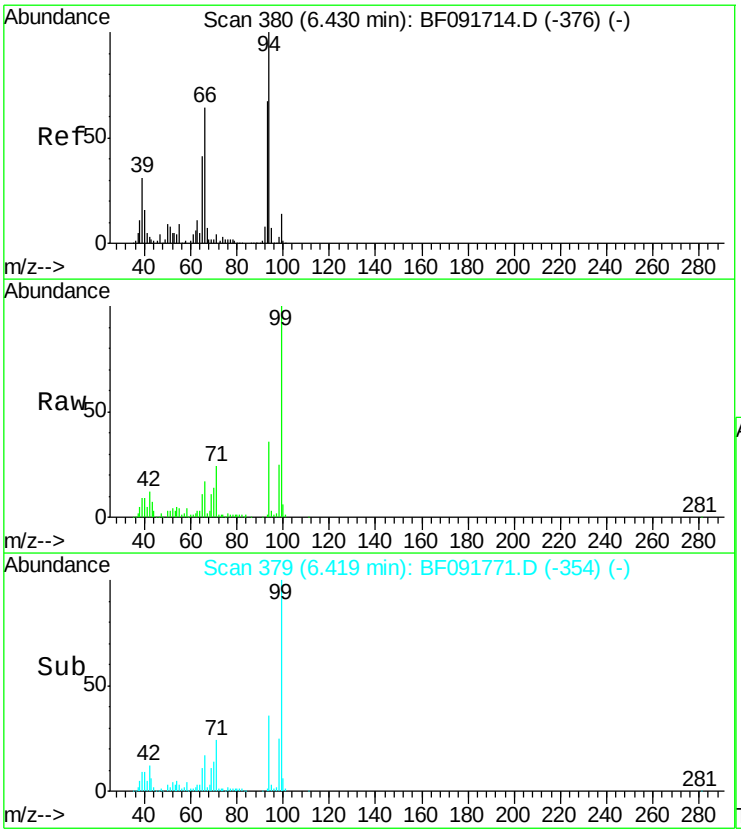
#7
Phenol-d6
Concen: 52.30 ng
RT: 6.41 min Scan# 378
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion: 99 Resp: 1049524

Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.6	23.4
71	35.2	27.5	41.3

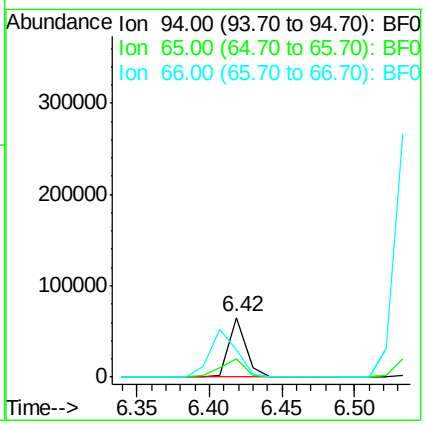


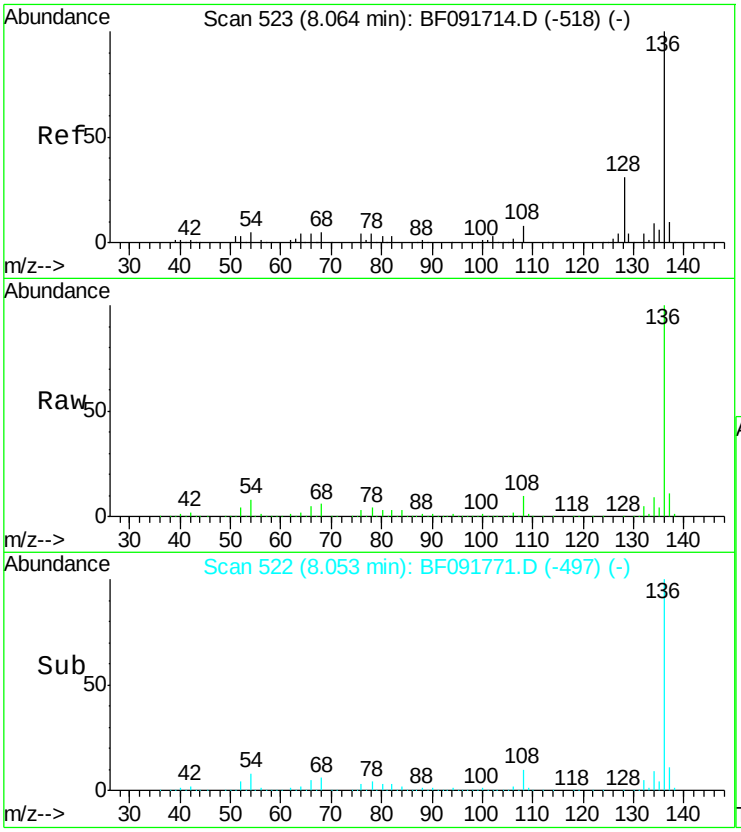


#10
Phenol
Concen: 2.41 ng
RT: 6.42 min Scan# 379
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion: 94 Resp: 54410

Ion	Ratio	Lower	Upper
94	100		
65	31.0	21.4	61.4
66	46.1	44.0	84.0



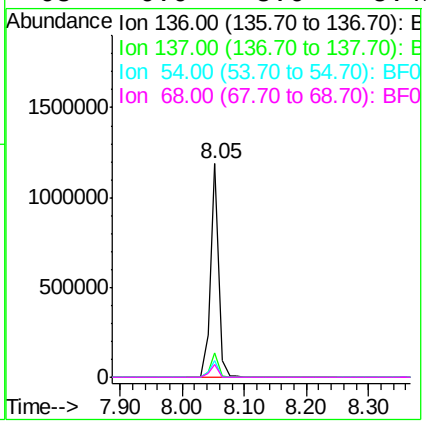


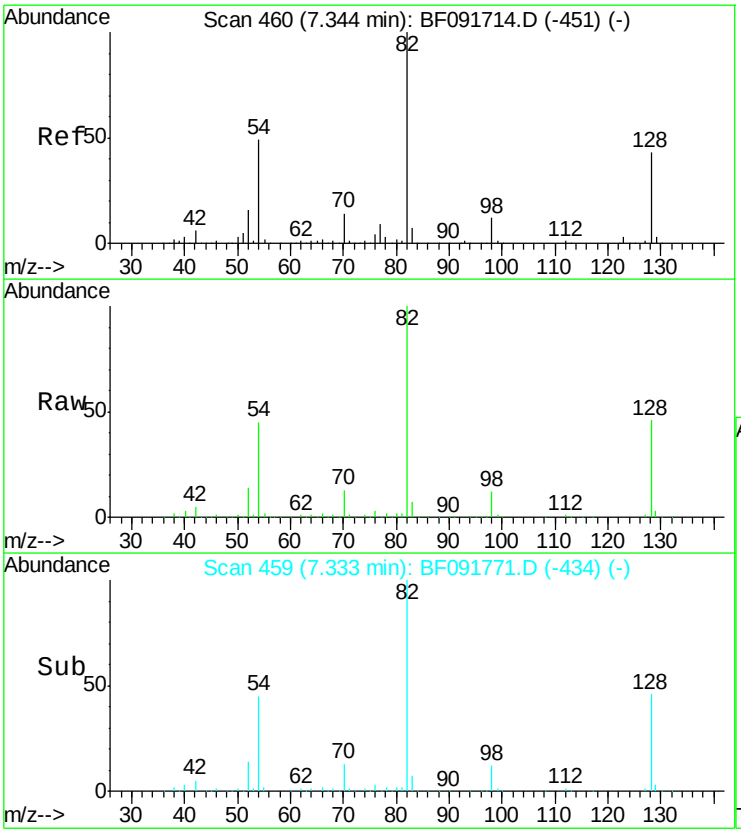
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion:136 Resp: 1063969

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	7.8	4.5	6.7#
68	6.0	3.6	5.4#

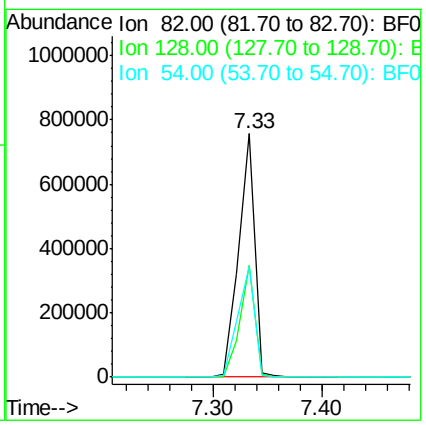


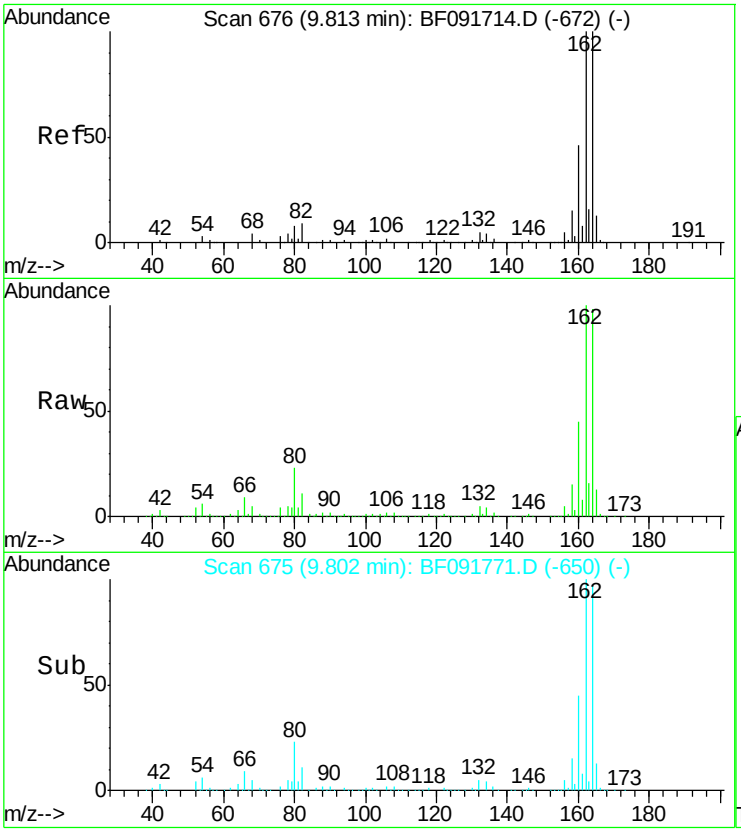


#23
Nitrobenzene-d5
Concen: 41.52 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion: 82 Resp: 765971

Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.6	52.0
54	45.3	39.5	59.3



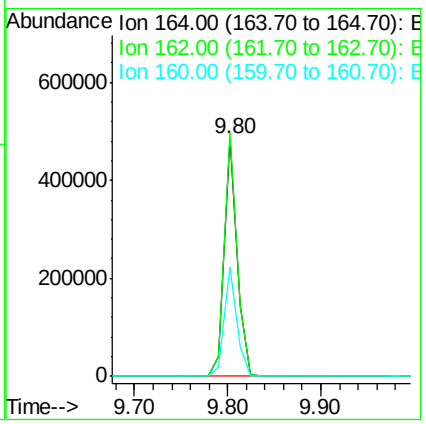


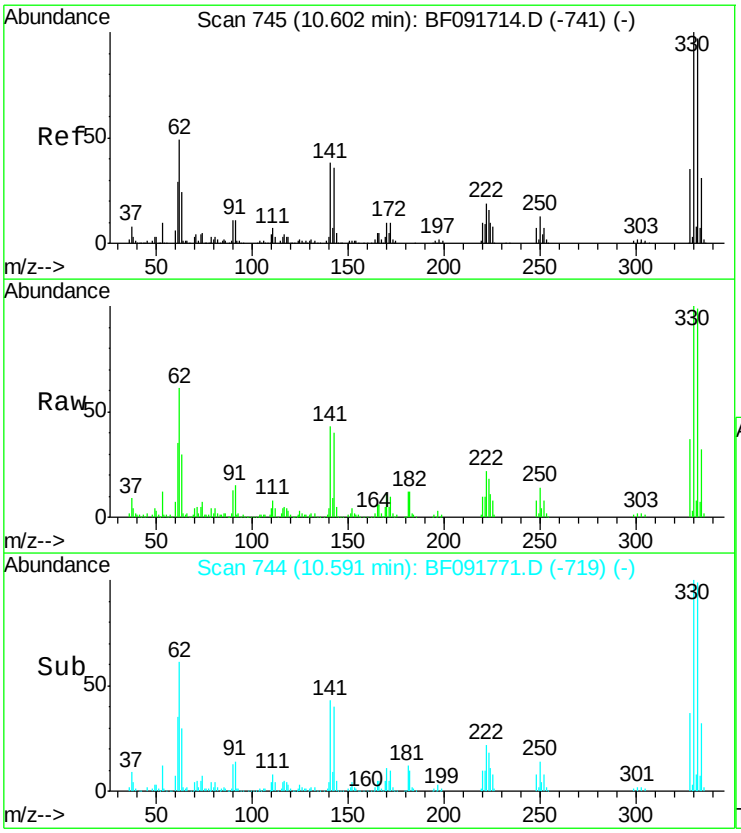
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion:164 Resp: 467320

Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.2	120.2
160	45.7	36.9	55.3

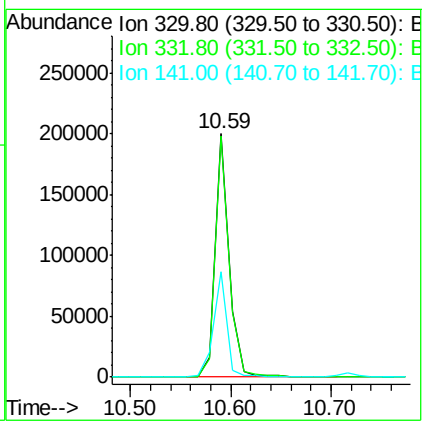


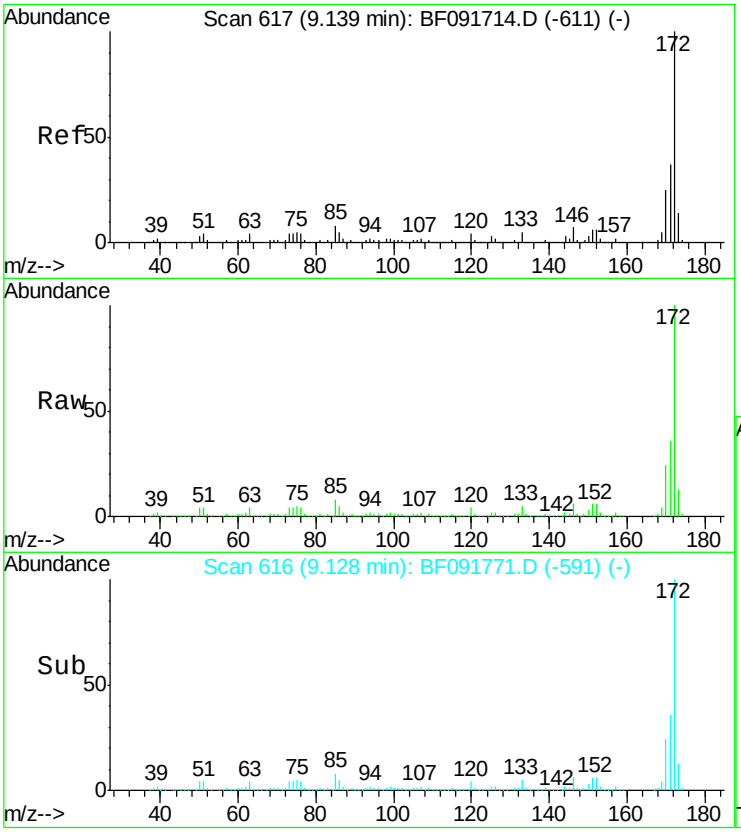


#41
2,4,6-Tribromophenol
Concen: 48.58 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion:330 Resp: 192497

Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.4	116.2
141	41.5	34.1	51.1



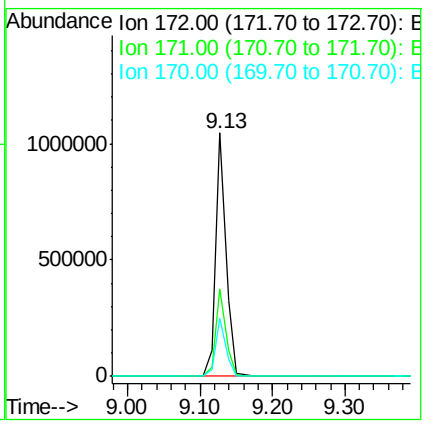


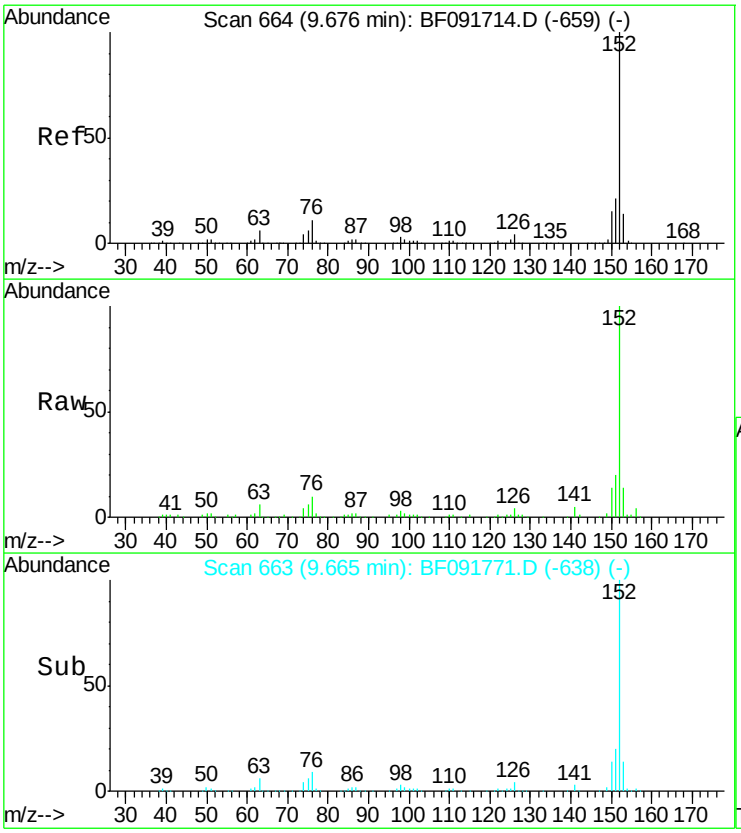
#44
2-Fluorobiphenyl
Concen: 44.87 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion:172 Resp: 1043770

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	24.0	20.2	30.4

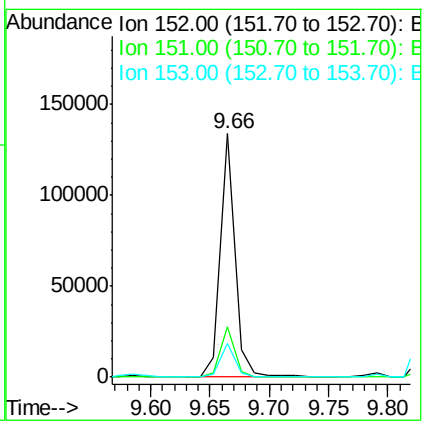


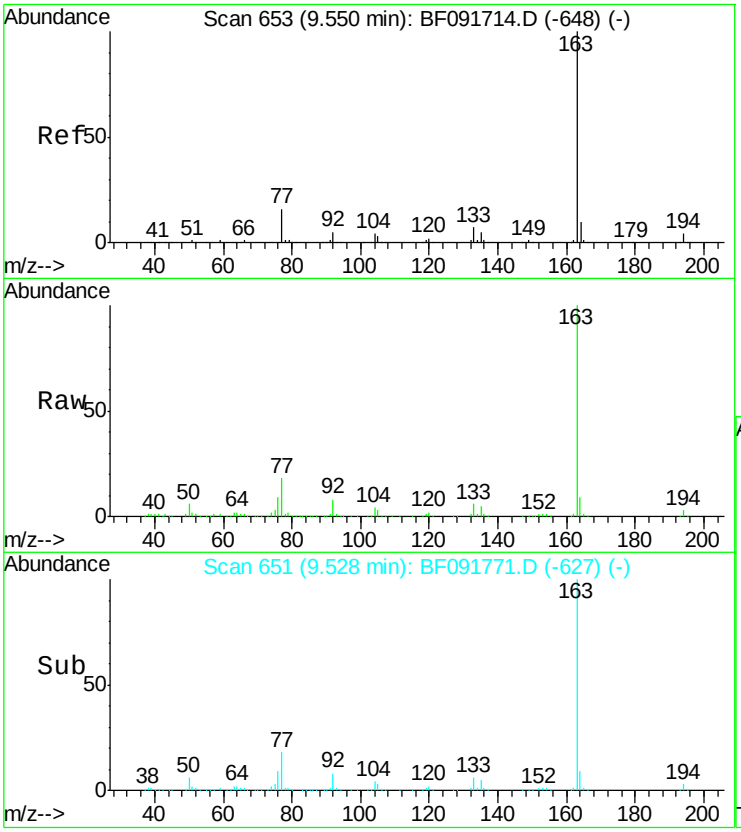


#48
Acenaphthylene
Concen: 2.93 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion:152 Resp: 113803

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.9	25.3
153	14.1	11.4	17.2



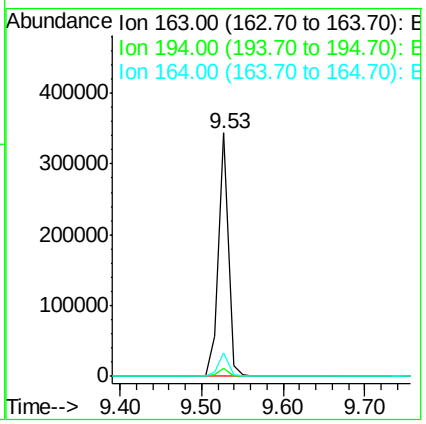


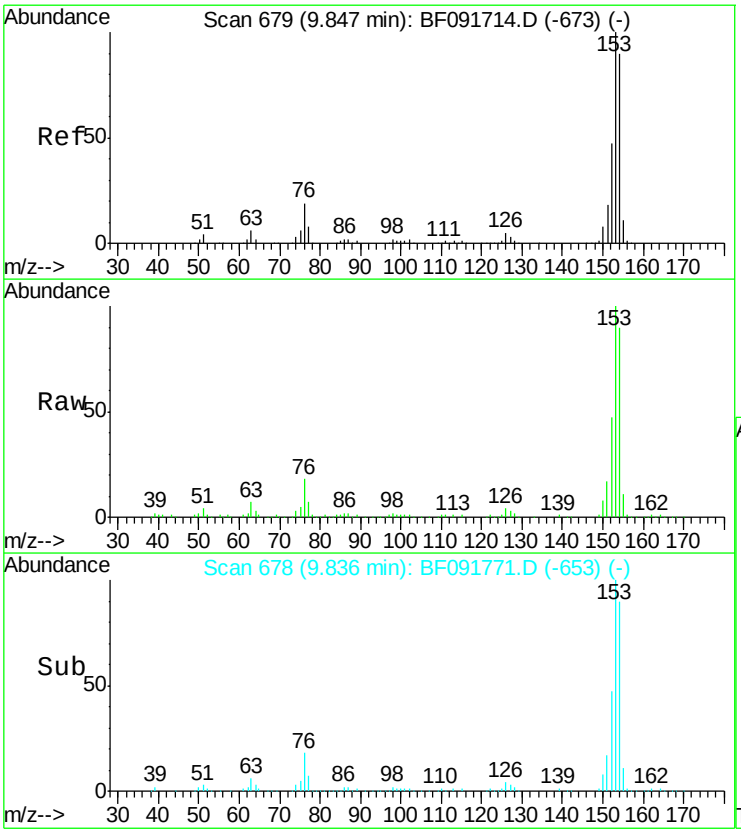
#49
Dimethylphthalate
Concen: 9.52 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion:163 Resp: 290589

Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	9.5	8.0	12.0

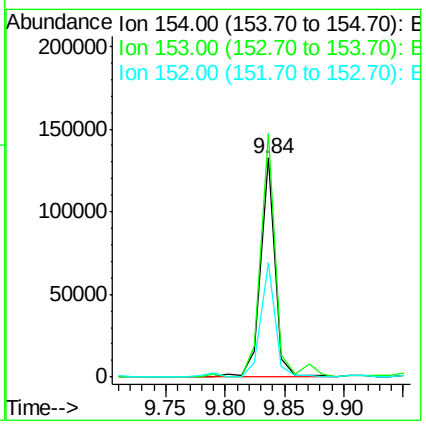


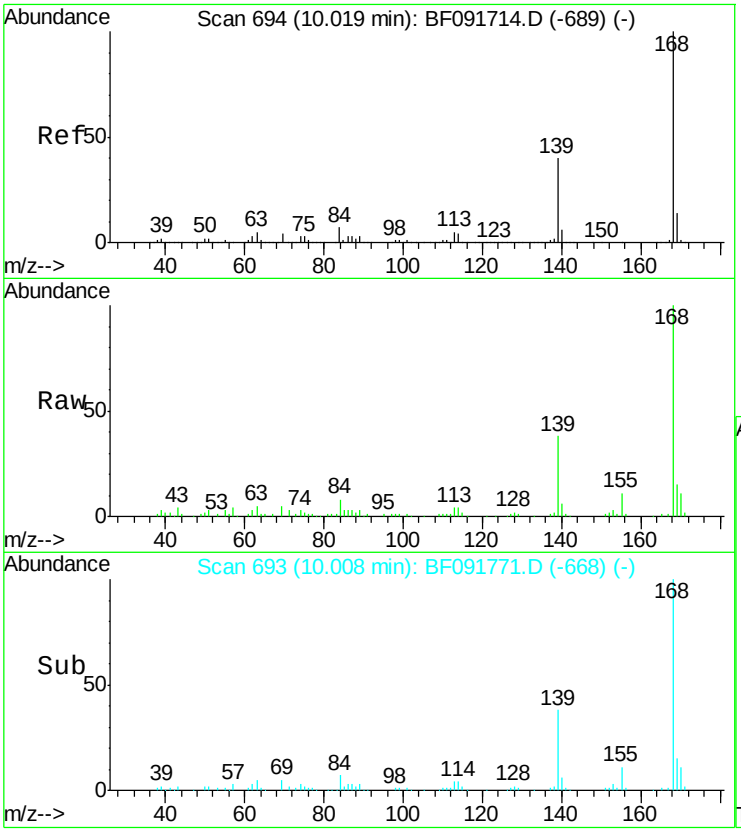


#51
Acenaphthene
Concen: 4.27 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion:154 Resp: 113614

Ion	Ratio	Lower	Upper
154	100		
153	111.1	88.6	133.0
152	52.1	41.6	62.4



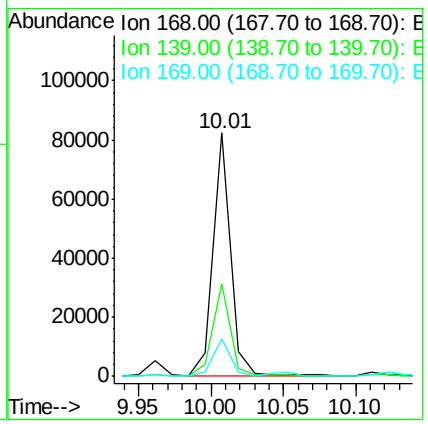


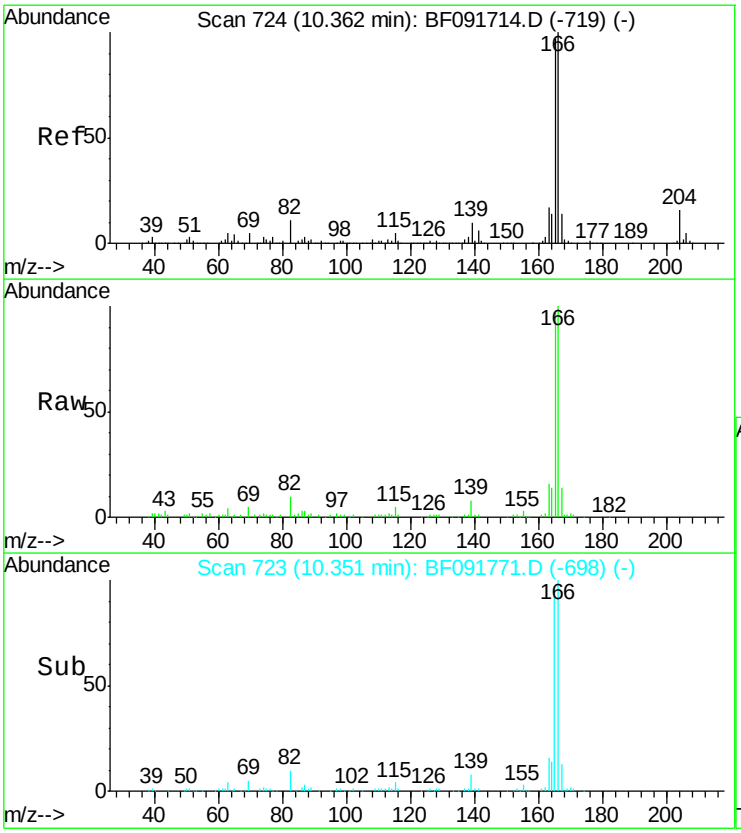
#54
Dibenzofuran
Concen: 2.20 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion:168 Resp: 69685

Ion	Ratio	Lower	Upper
168	100		
139	37.9	32.6	49.0
169	15.4	11.3	16.9

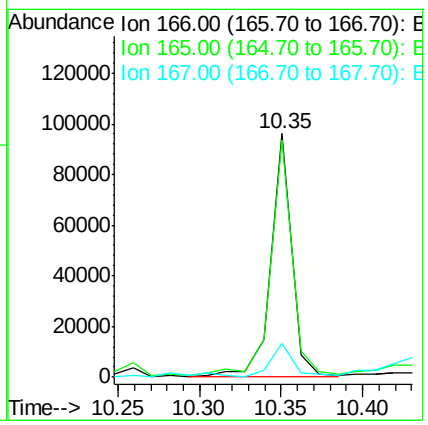


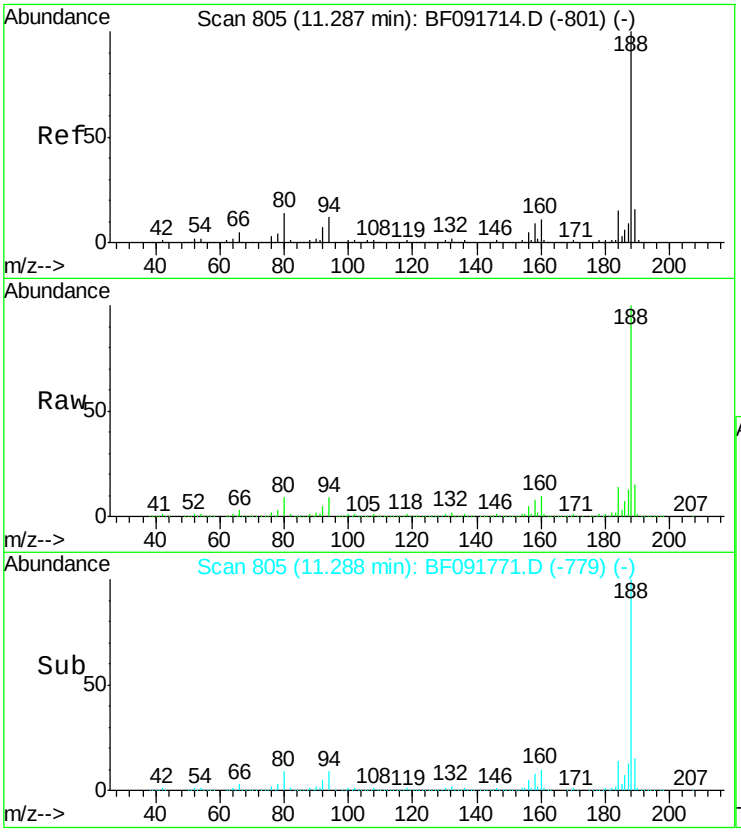


#57
Fluorene
Concen: 3.55 ng
RT: 10.35 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion:166 Resp: 87242

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.8	116.8
167	14.0	10.8	16.2



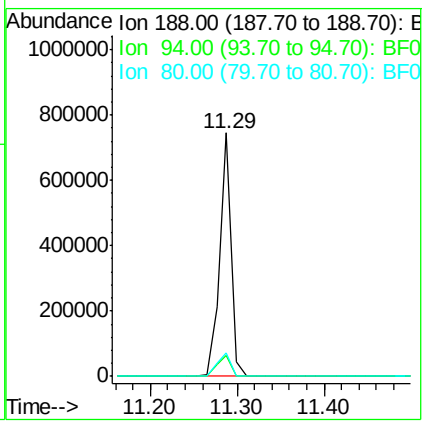


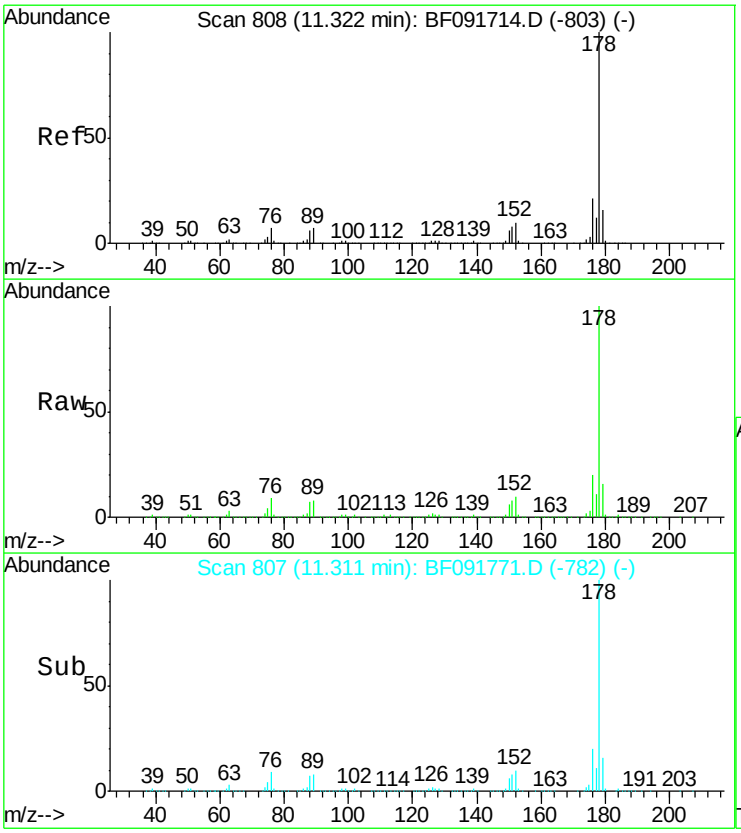
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion:188 Resp: 698144

Ion	Ratio	Lower	Upper
188	100		
94	8.7	10.0	15.0#
80	9.4	11.2	16.8#

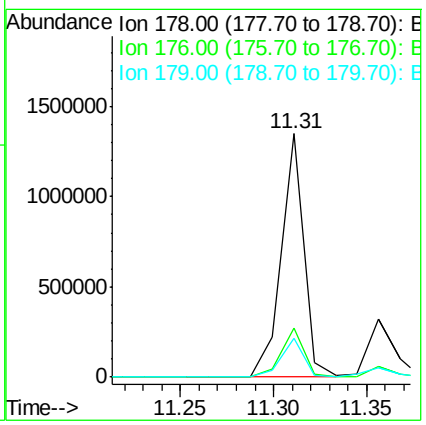


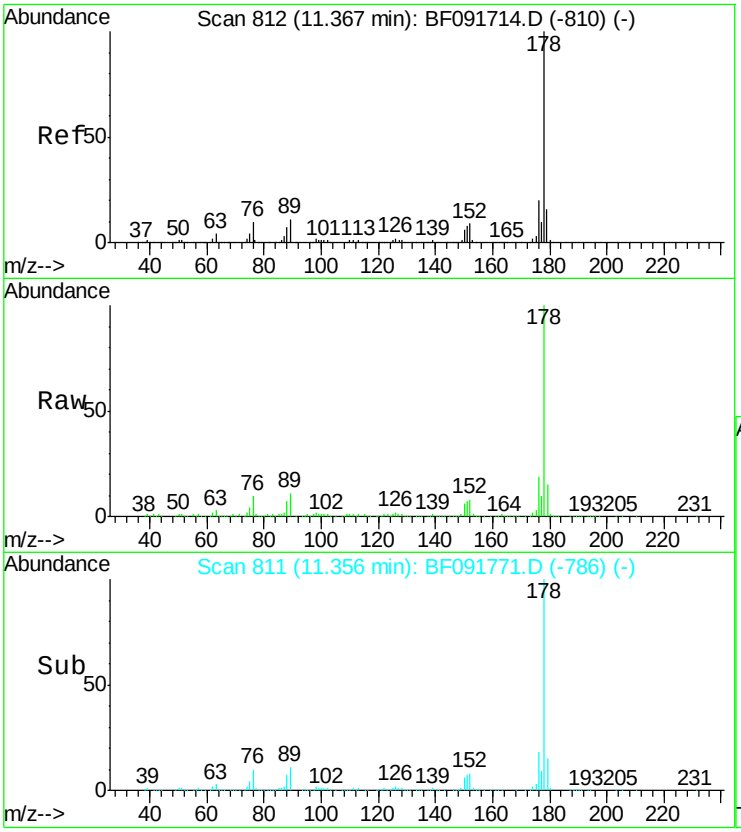


#70
Phenanthrene
Concen: 32.68 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion:178 Resp: 1140169

Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.6	25.0
179	16.2	12.8	19.2



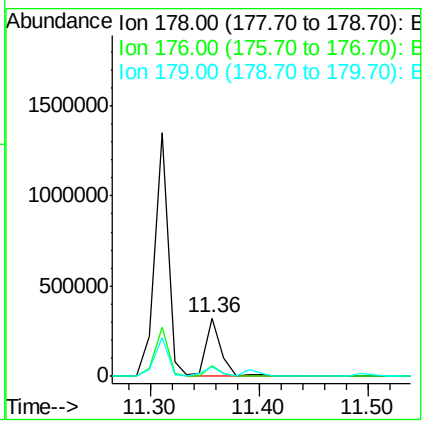


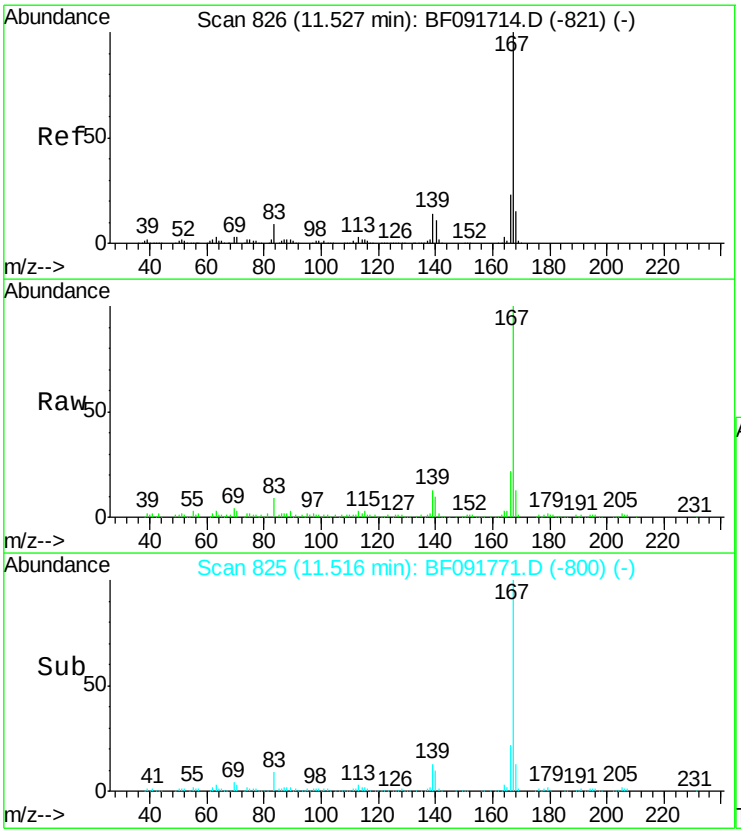
#71
Anthracene
Concen: 8.64 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion:178 Resp: 319139

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.9	23.9
179	15.3	13.2	19.8

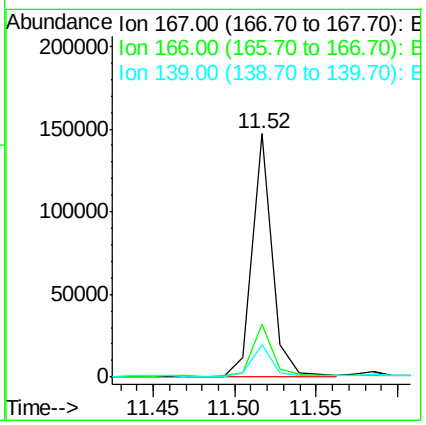


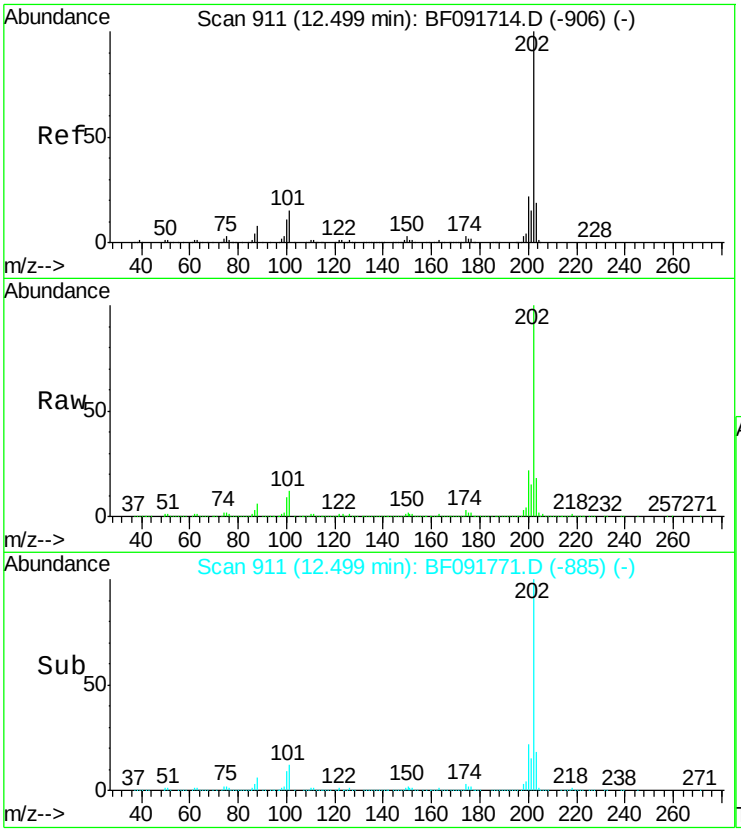


#72
Carbazole
Concen: 3.93 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion:167 Resp: 126871

Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.2	27.2
139	13.5	11.4	17.2



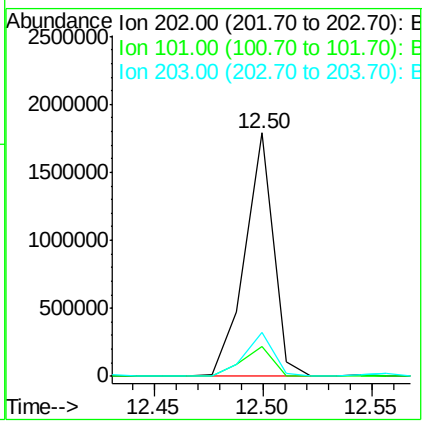


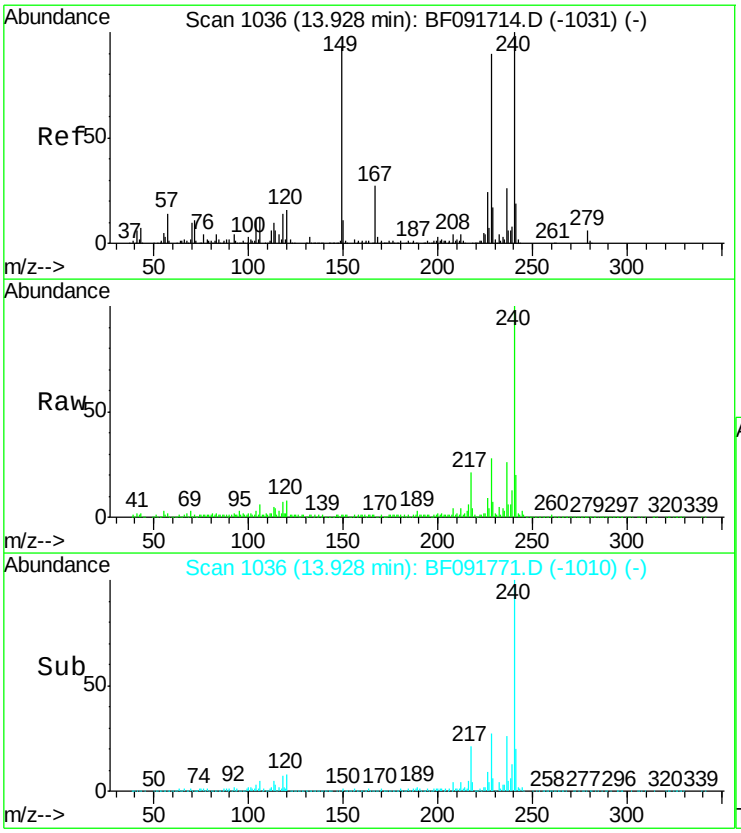
#74
Fluoranthene
Concen: 44.83 ng
RT: 12.50 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion:202 Resp: 1633479

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.6
203	18.3	0.0	38.7

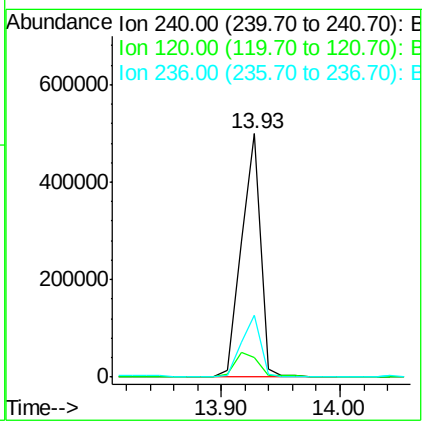


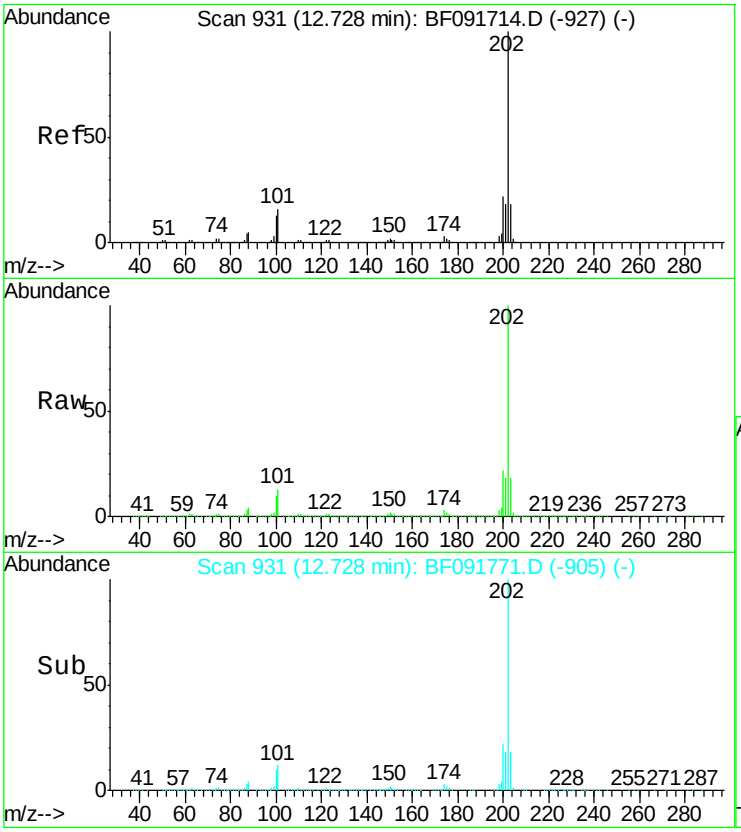


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion:240 Resp: 558237

Ion	Ratio	Lower	Upper
240	100		
120	8.3	12.9	19.3#
236	25.7	20.9	31.3



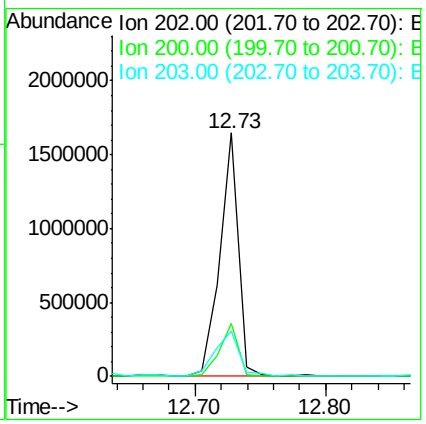


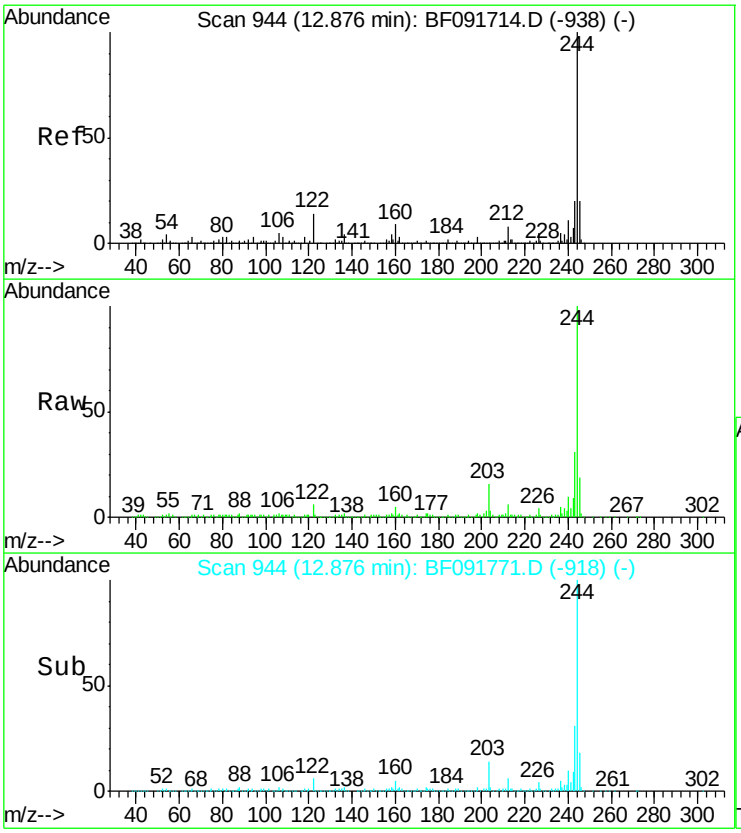
#77
Pyrene
Concen: 40.56 ng
RT: 12.73 min Scan# 931
Delta R.T. 0.00 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion:202 Resp: 1635195

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.7	26.5
203	18.4	14.7	22.1

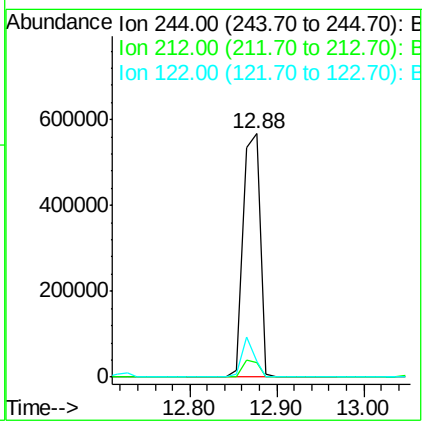


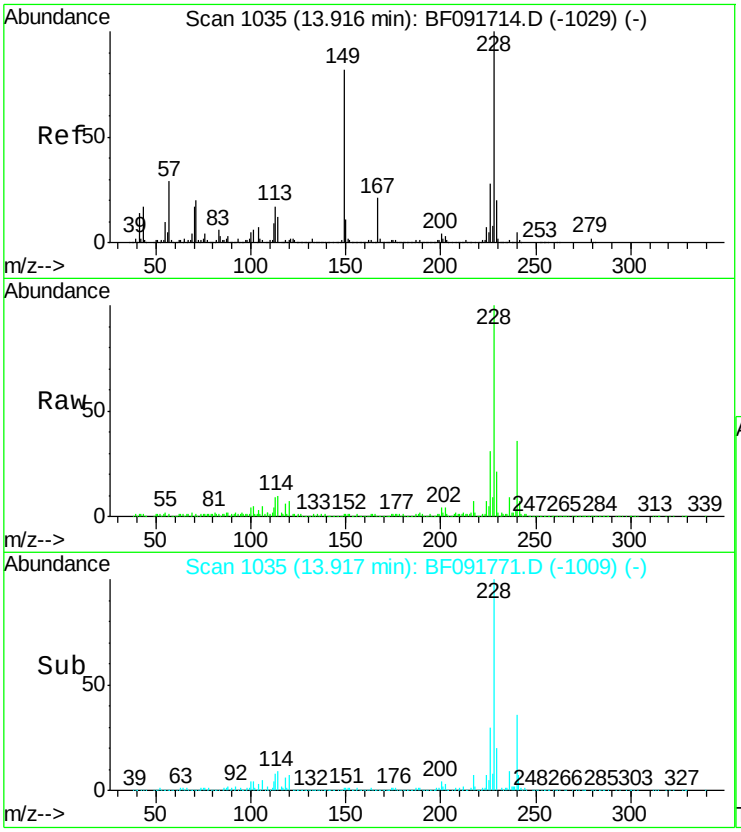


#78
Terphenyl-d14
Concen: 35.16 ng
RT: 12.88 min Scan# 944
Delta R.T. 0.00 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion:244 Resp: 777281

Ion	Ratio	Lower	Upper
244	100		
212	6.0	6.2	9.2#
122	6.4	11.4	17.2#



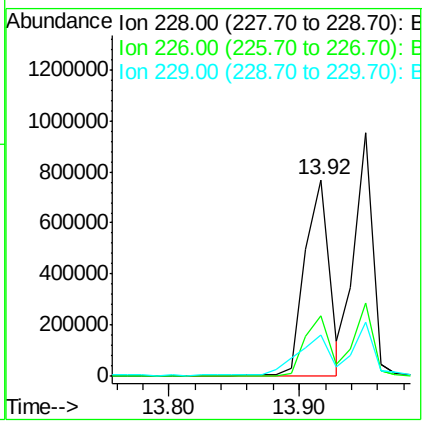


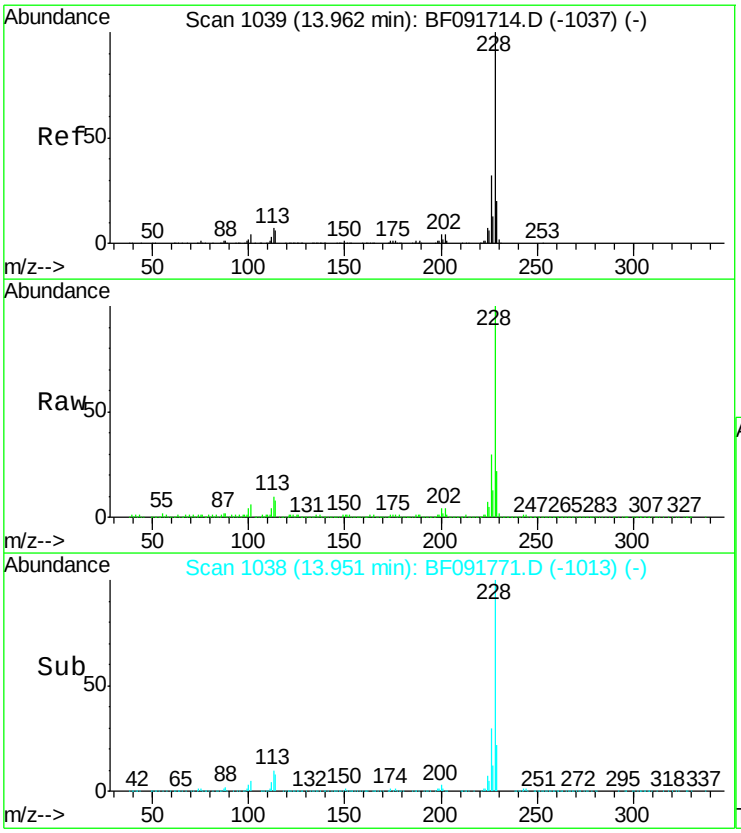
#80
Benzo(a)anthracene
Concen: 31.09 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion:228 Resp: 992698

Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.4	33.6
229	20.9	16.2	24.4

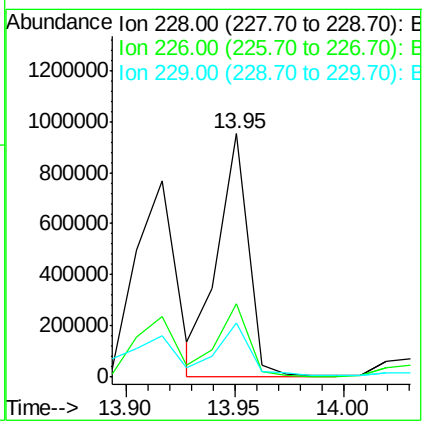


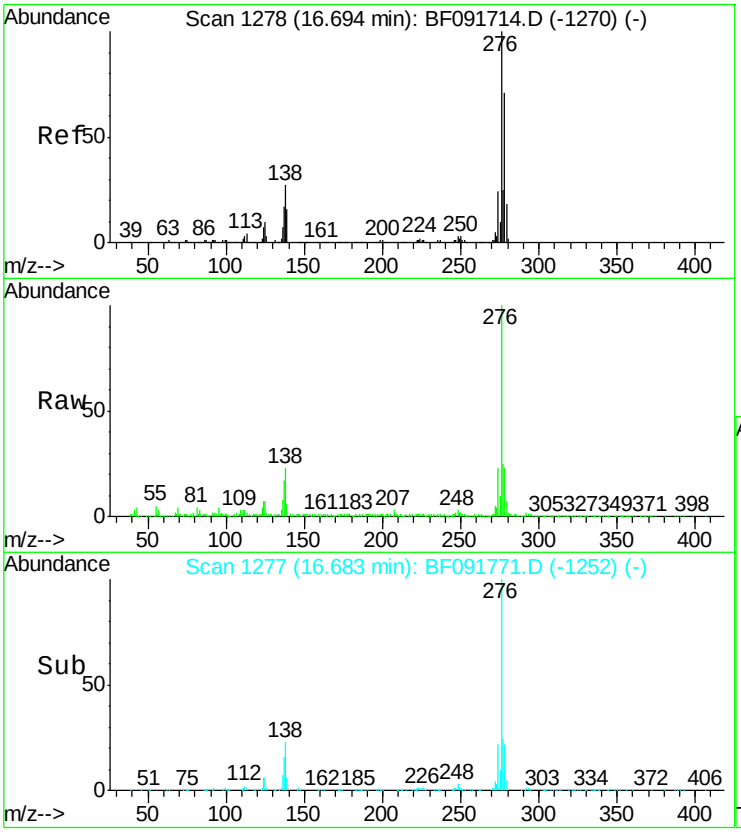


#82
Chrysene
Concen: 28.04 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion:228 Resp: 928043

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.0
229	22.4	16.2	24.2



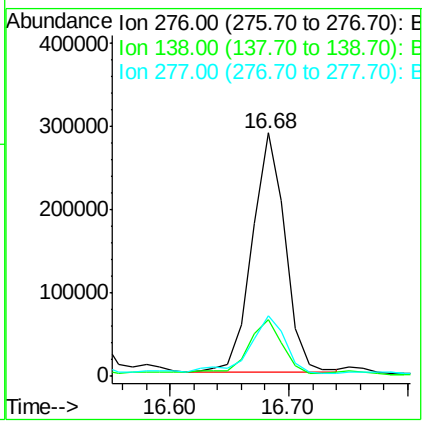


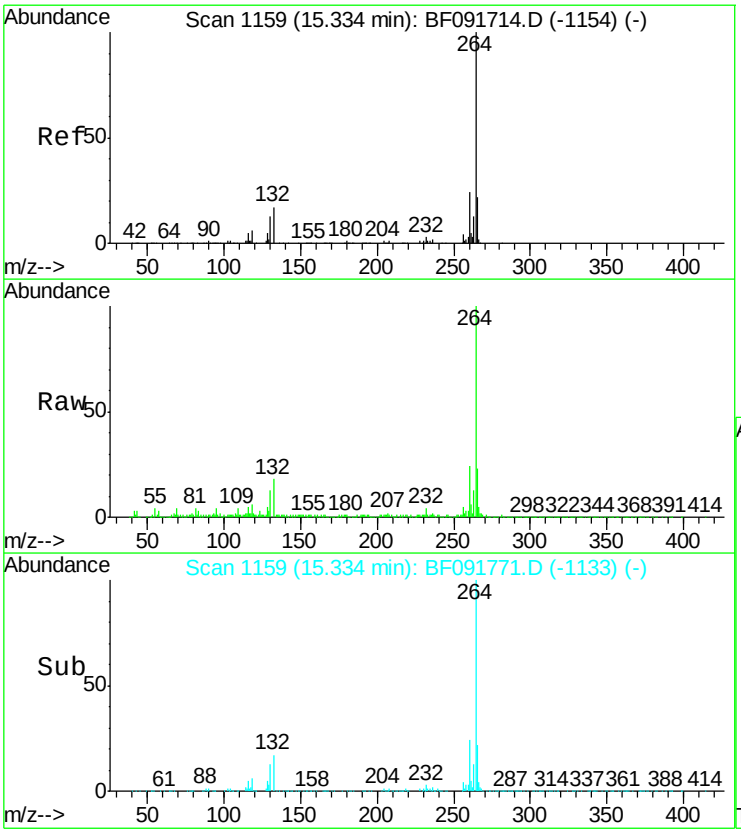
#85
Indeno(1,2,3-cd)pyrene
Concen: 16.98 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion:276 Resp: 552462

Ion	Ratio	Lower	Upper
276	100		
138	24.1	21.8	32.6
277	26.2	20.2	30.4

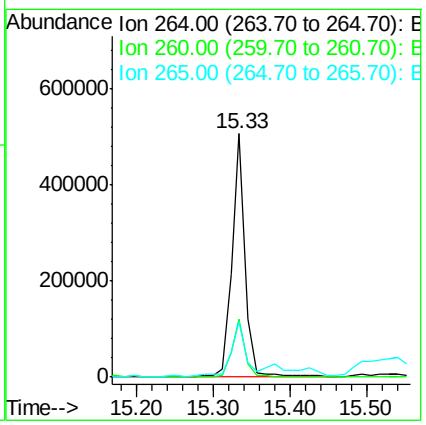


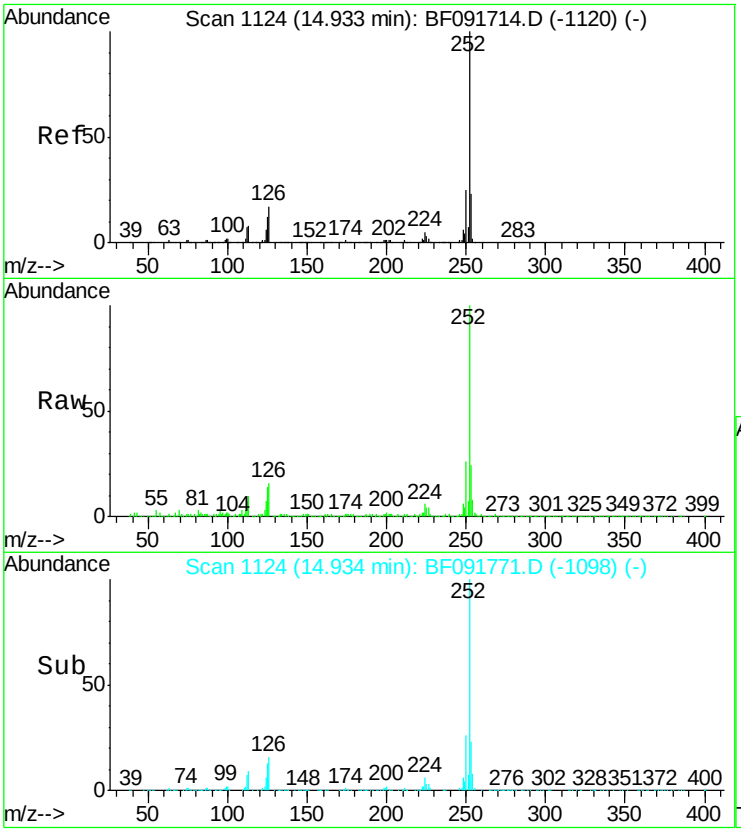


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion:264 Resp: 614059

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.7	17.4	26.0



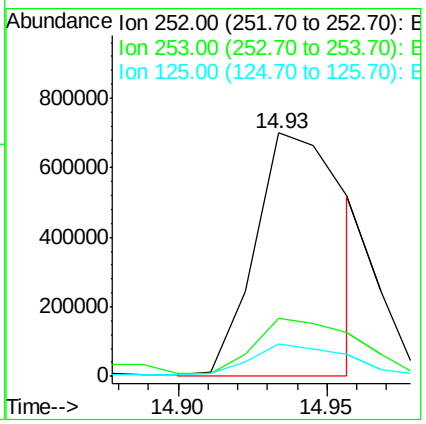


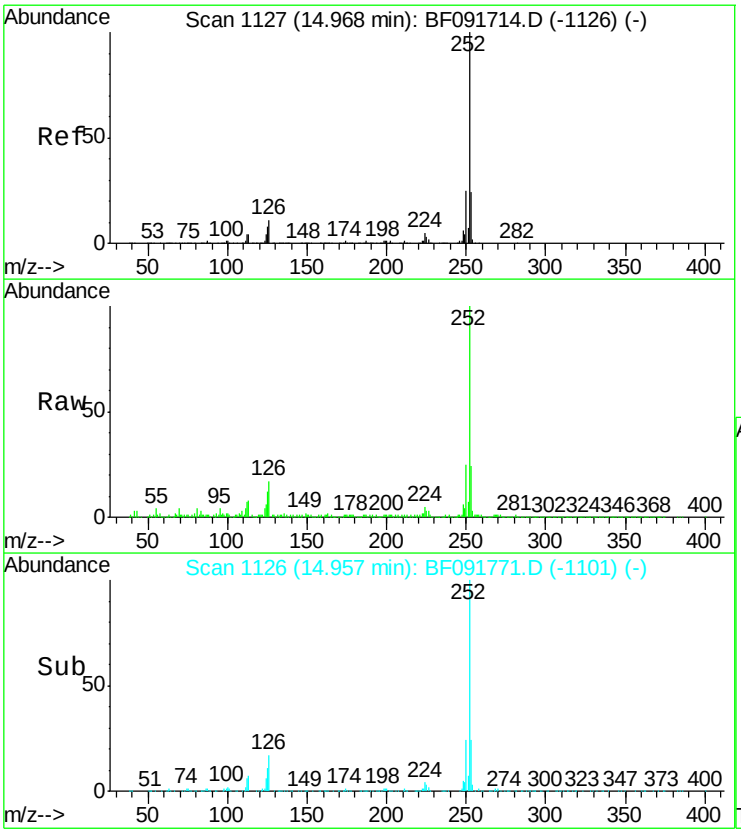
#87
Benzo(b)fluoranthene
Concen: 37.74 ng m
RT: 14.93 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion:252 Resp: 1469428

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.4
125	13.6	9.8	14.6

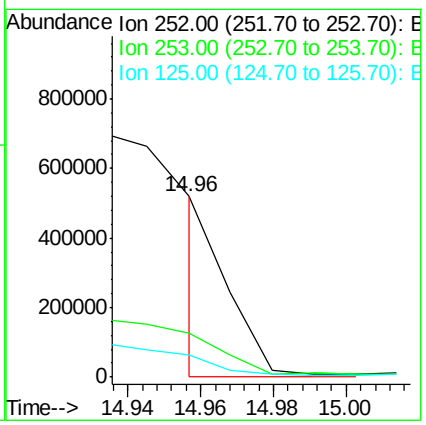


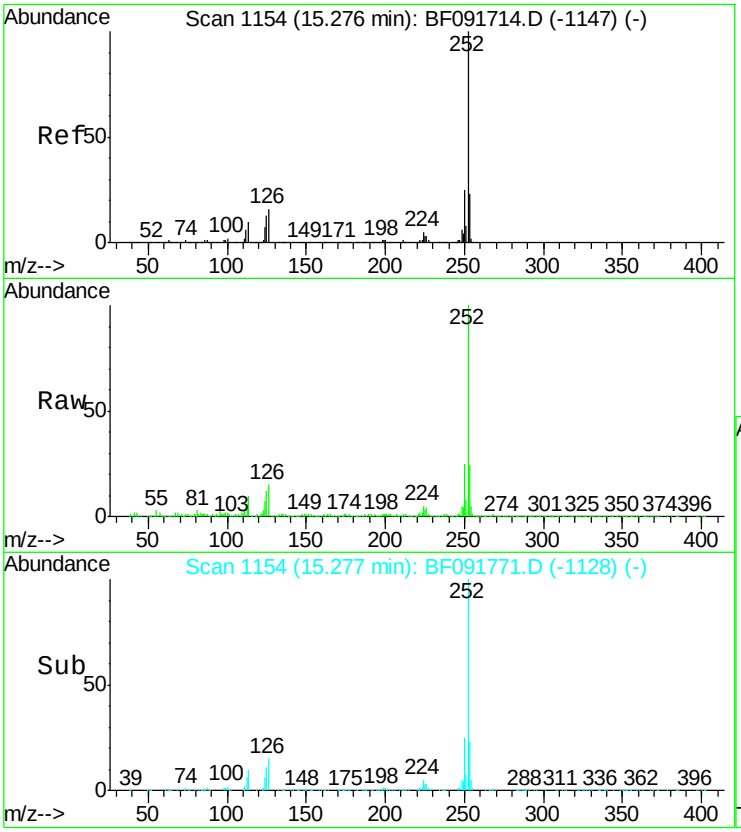


#88
Benzo(k)fluoranthene
Concen: 7.06 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion:252 Resp: 192934

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.5	27.7
125	12.4	8.9	13.3



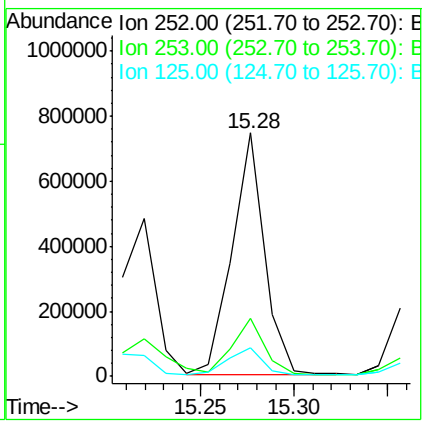


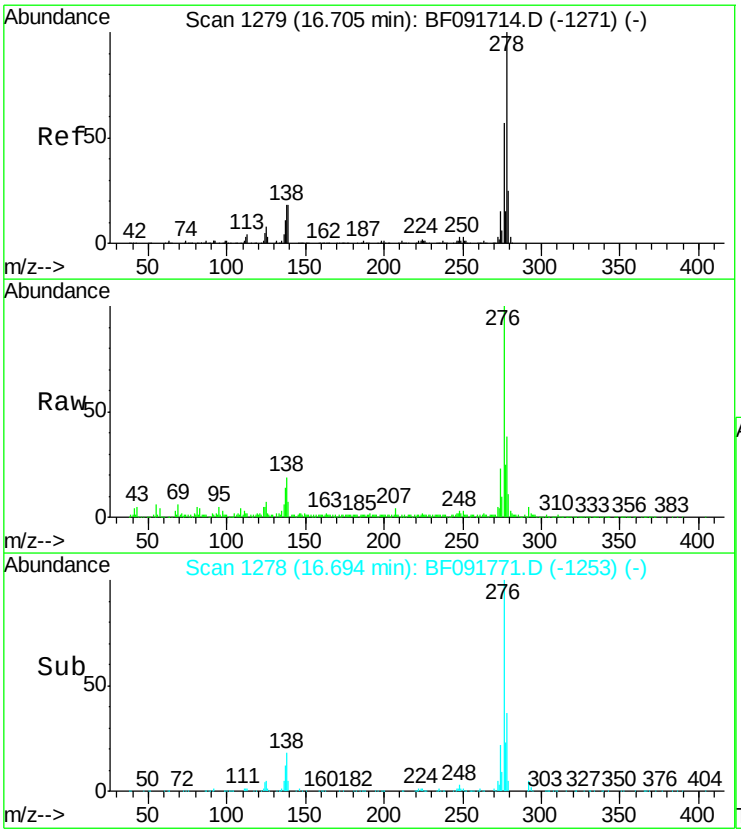
#89
Benzo(a)pyrene
Concen: 27.22 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL

Tgt Ion:252 Resp: 909538

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	12.0	10.0	15.0

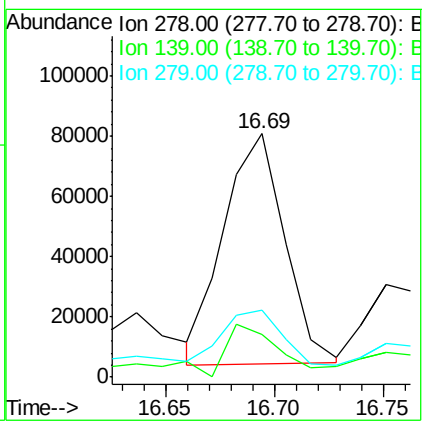


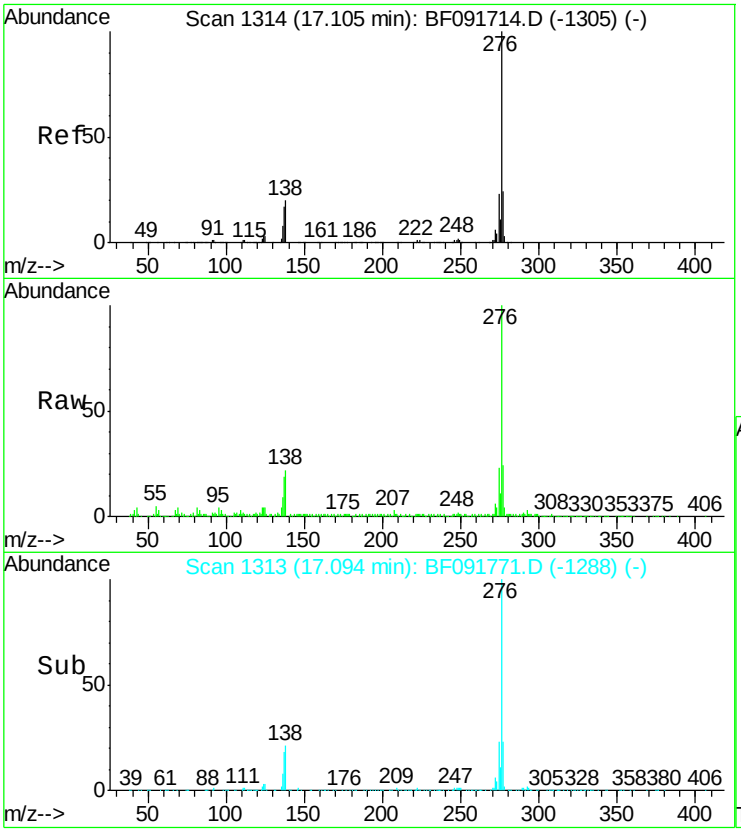


#90
Dibenzo(a,h)anthracene
Concen: 5.12 ng
RT: 16.69 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion:278 Resp: 149095

Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.8	22.2
279	27.8	19.8	29.6

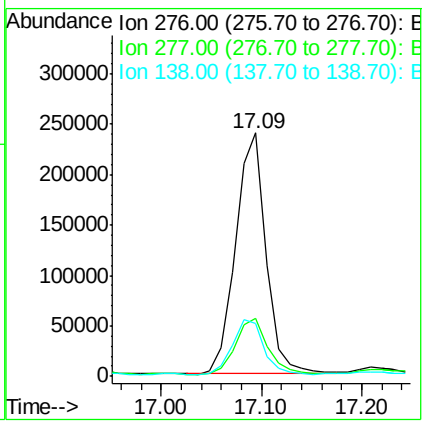




#91
Benzo(g,h,i)perylene
Concen: 16.97 ng
RT: 17.09 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF091771.D
Acq: 19 Dec 2016 8:04

Tgt Ion:276 Resp: 502408

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	21.9	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
WC-6-0-5DL