Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041816\
Data File : BF086291.D
Acq On : 18 Apr 2016 19:36
Operator : UM/SJ
Sample : H2413-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Quant Time: Apr 19 00:53:13 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 15 15:56:31 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	303079	20.00 ng	-0.01
21) Naphthalene-d8	8.18	136	1176370	20.00 ng	0.00
38) Acenaphthene-d10	9.93	164	445563	20.00 ng	-0.01
63) Phenanthrene-d10	11.41	188	645108	20.00 ng	0.00
75) Chrysene-d12	14.08	240	254905	20.00 ng	0.02
86) Perylene-d12	15.52	264	327882	20.00 ng	0.03
System Monitoring Compounds					
5) 2-Fluorophenol	5.49	112	2076235	112.24 ng	0.01
7) Phenol-d6	6.52	99	2505724	108.30 ng	0.00
23) Nitrobenzene-d5	7.46	82	1899884	93.15 ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	363863	101.70 ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1880815	77.89 ng	-0.01
78) Terphenyl-d14	13.01	244	1009484	99.58 ng	0.01

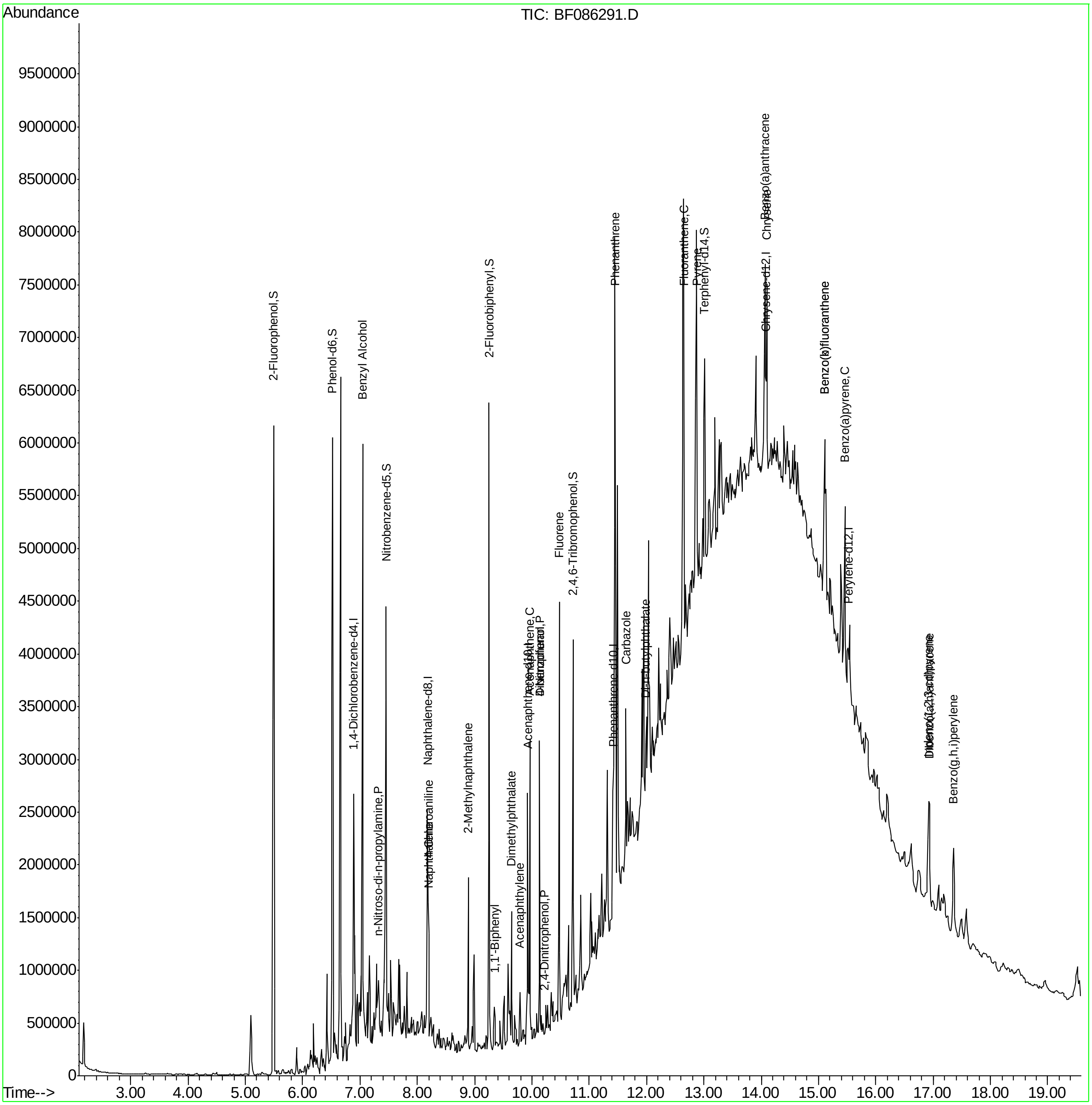
Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
15) Benzyl Alcohol	7.05	79	34993	2.13 ng	#	45
19) n-Nitroso-di-n-propylamine	7.32	70	37964	2.56 ng	#	62
22) Acetophenone	7.29	105	7546	Below Cal	#	1
31) Naphthalene	8.20	128	764220	14.55 ng		96
33) 4-Chloroaniline	8.19	127	102672	4.37 ng	#	36
37) 2-Methylnaphthalene	8.89	142	412016	12.13 ng		98
45) 1,1'-Biphenyl	9.36	154	143393	4.47 ng		91
48) Acenaphthylene	9.79	152	161280	3.87 ng	#	97
49) Dimethylphthalate	9.64	163	436054	13.46 ng		100
51) Acenaphthene	9.96	154	571650	22.97 ng		99
53) 2,4-Dinitrophenol	10.21	184	912	4.64 ng	#	42
54) Dibenzofuran	10.13	168	978200	29.76 ng		95
55) 4-Nitrophenol	10.13	139	388012	56.94 ng	#	5
57) Fluorene	10.48	166	1127411	50.66 ng		99
60) 4-Chlorophenyl-phenylether	10.49	204	660	Below Cal	#	1
70) Phenanthrene	11.45	178	4237064	137.51 ng		98
71) Anthracene	11.49	178	1738288	Below Cal		99
72) Carbazole	11.64	167	640287	21.85 ng		99
73) Di-n-butylphthalate	11.99	149	85015	2.15 ng	#	81
74) Fluoranthene	12.65	202	3854330	159.67 ng		95
77) Pyrene	12.88	202	3192175	163.23 ng		99
80) Benzo(a)anthracene	14.07	228	1694459	121.09 ng		97
82) Chrysene	14.10	228	1269864	85.11 ng		96
85) Indeno(1,2,3-cd)pyrene	16.92	276	829234	67.61 ng		96
87) Benzo(b)fluoranthene	15.11	252	2122531	104.93 ng	#	92
88) Benzo(k)fluoranthene	15.11	252	2122531	115.08 ng	#	89
89) Benzo(a)pyrene	15.46	252	1209789	69.04 ng		97
90) Dibenzo(a,h)anthracene	16.93	278	223684	14.45 ng	#	87
91) Benzo(g,h,i)perylene	17.36	276	751022	45.61 ng		95

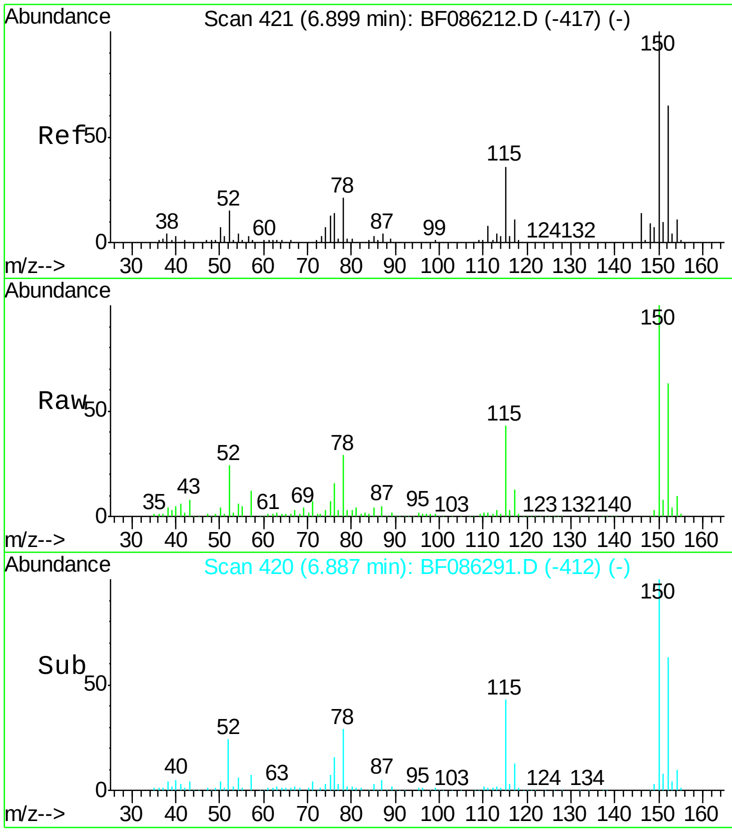
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041816\
Data File : BF086291.D
Acq On   : 18 Apr 2016 19:36
Operator : UM/SJ
Sample   : H2413-10
Misc   :
ALS Vial : 14   Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Quant Time: Apr 19 00:53:13 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 15 15:56:31 2016
Response via : Initial Calibration



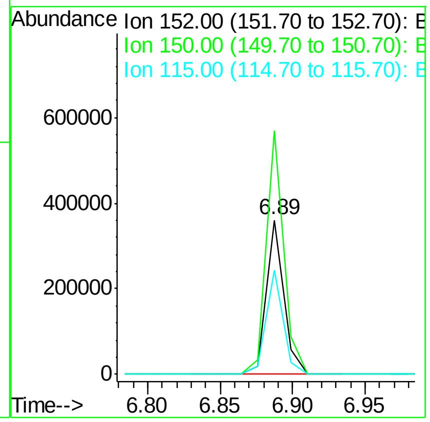


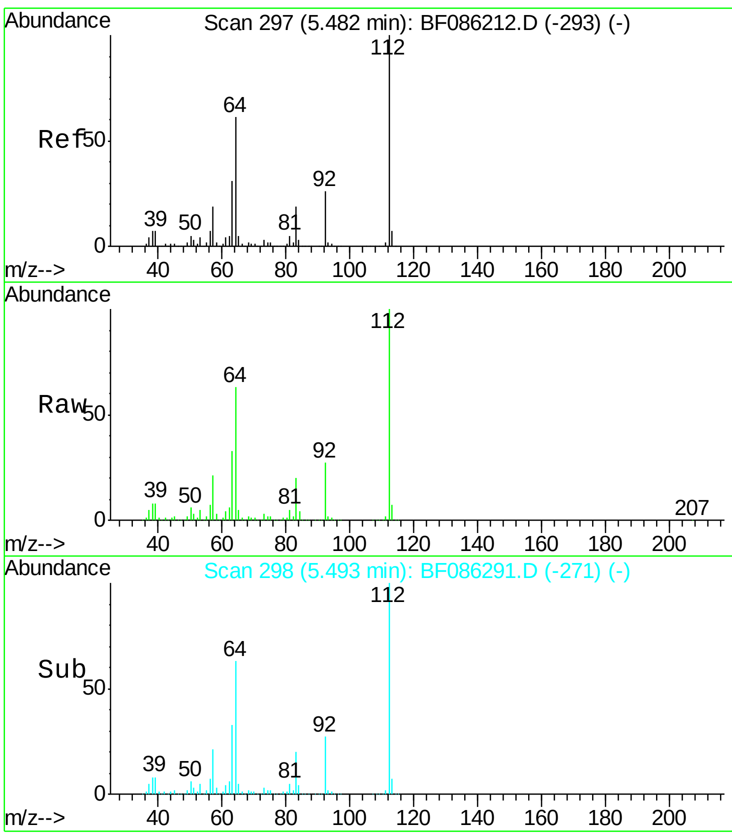
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion:152 Resp: 303079

Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.1	186.1
115	67.9	43.9	65.9#

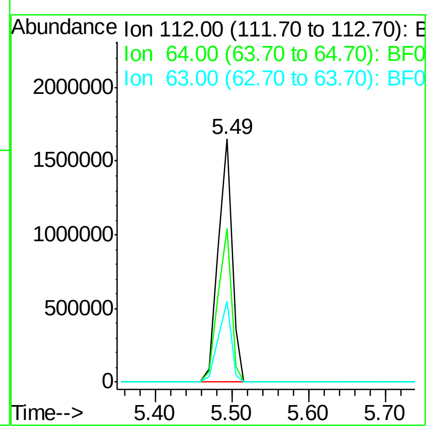


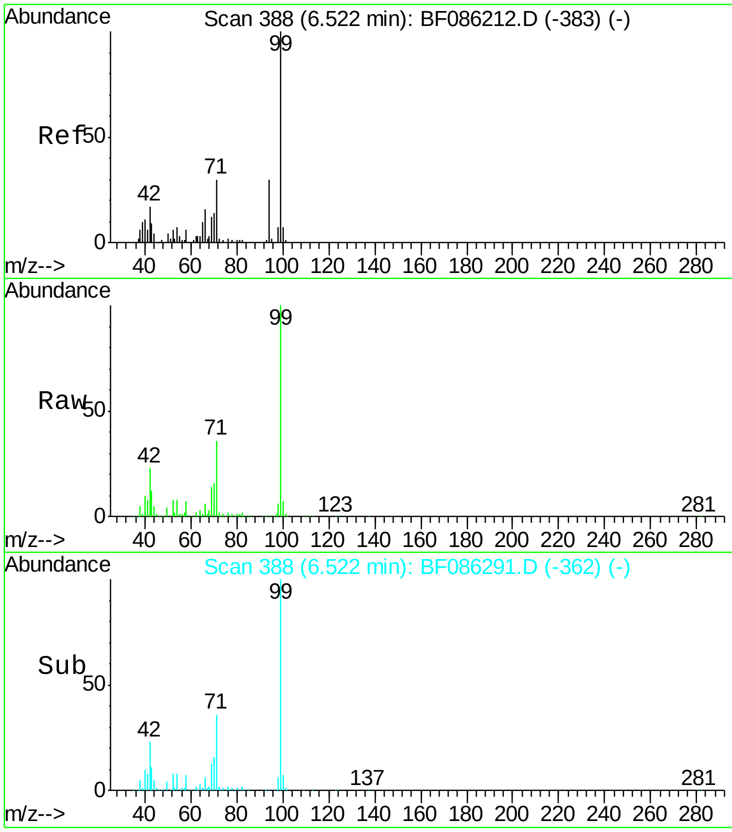


#5
2-Fluorophenol
Concen: 112.24 ng
RT: 5.49 min Scan# 298
Delta R.T. 0.01 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion:112 Resp: 2076235

Ion	Ratio	Lower	Upper
112	100		
64	63.4	48.1	72.1
63	33.1	25.5	38.3



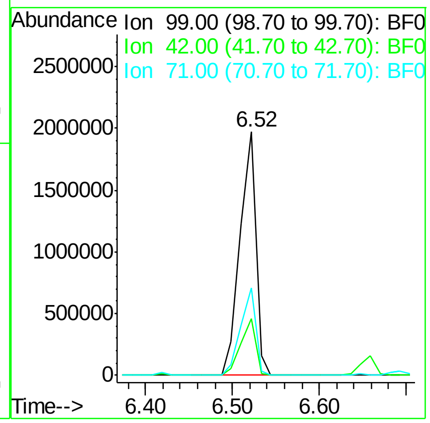


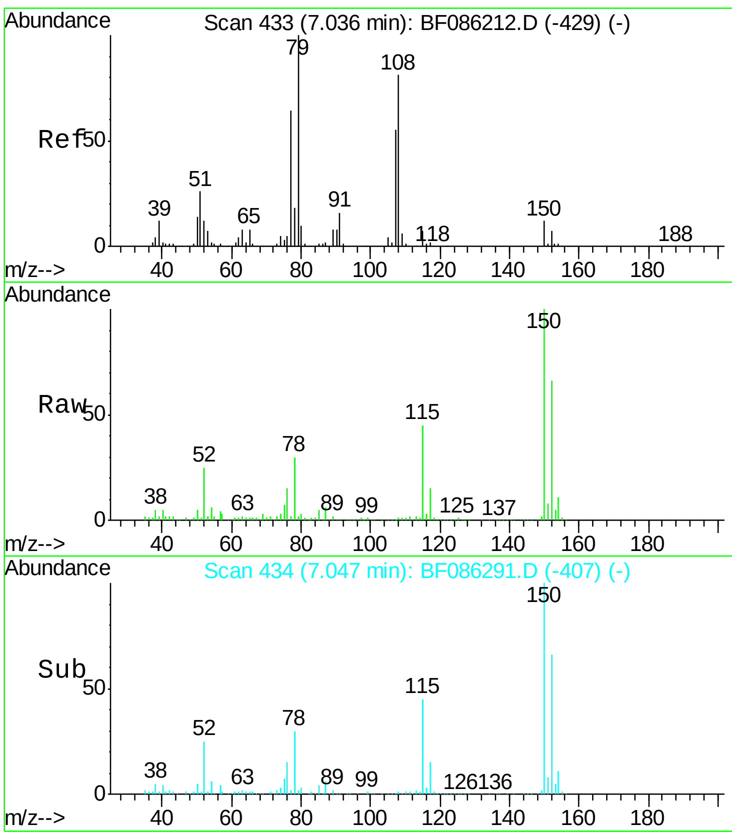
#7
Phenol-d6
Concen: 108.30 ng
RT: 6.52 min Scan# 388
Delta R.T. -0.00 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion: 99 Resp: 2505724

Ion	Ratio	Lower	Upper
99	100		
42	23.2	15.4	23.2#
71	36.1	25.6	38.4

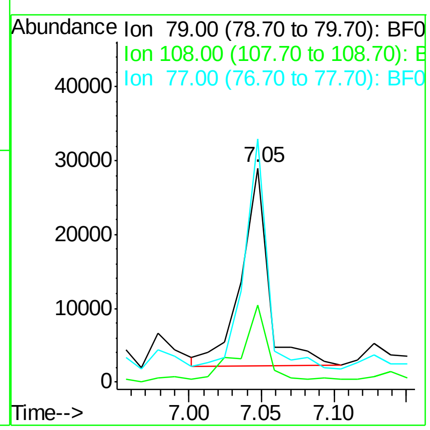


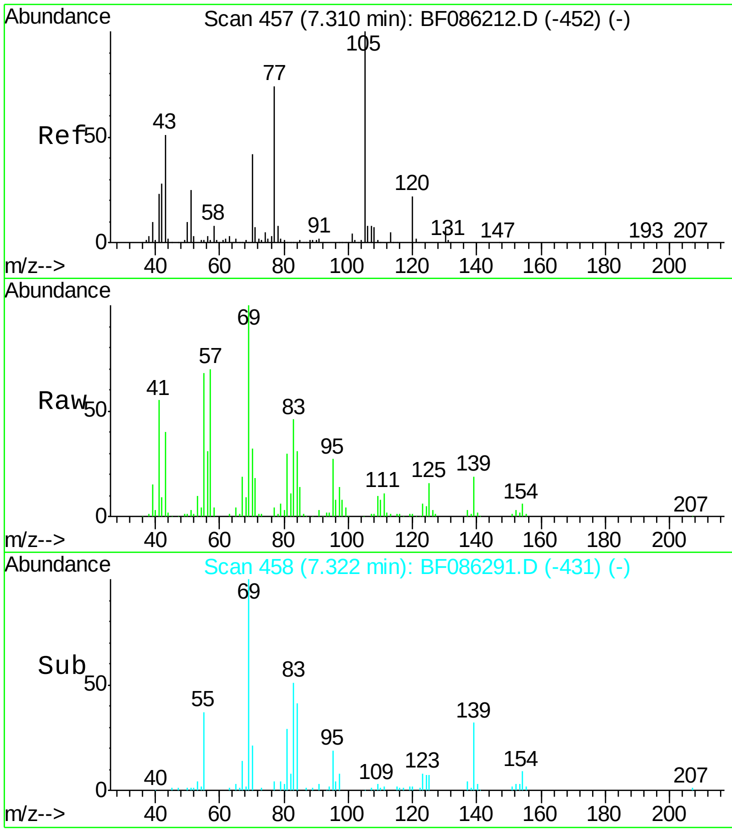


#15
Benzyl Alcohol
Concen: 2.13 ng
RT: 7.05 min Scan# 434
Delta R.T. 0.01 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion: 79 Resp: 34993

Ion	Ratio	Lower	Upper
79	100		
108	36.3	64.8	97.2#
77	113.6	51.9	77.9#



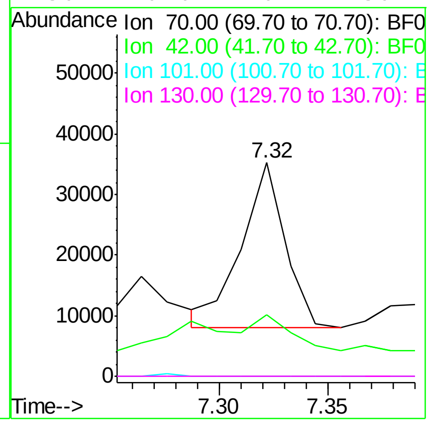


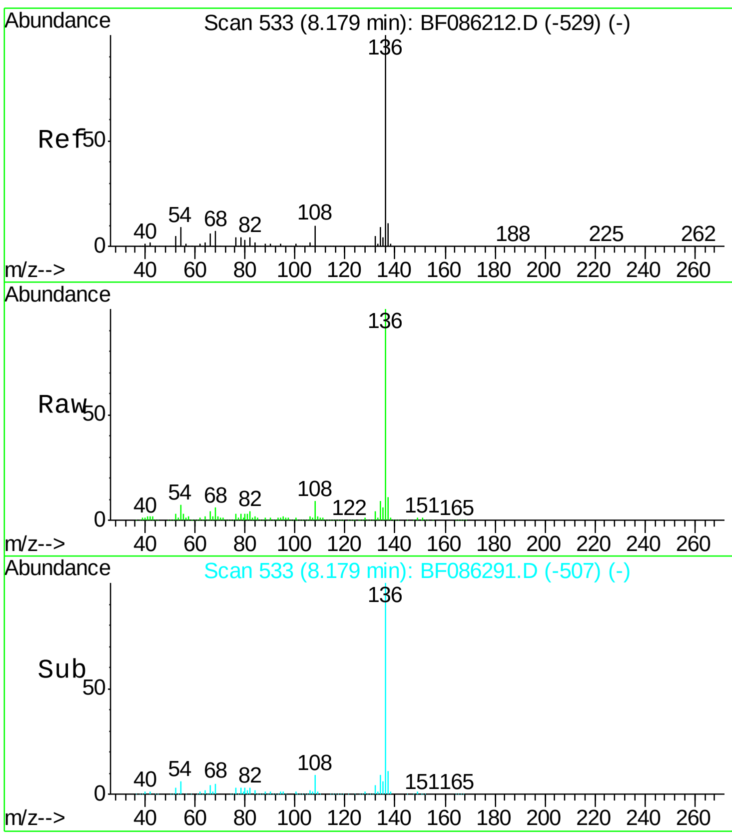
#19
n-Nitroso-di-n-propylamine
Concen: 2.56 ng
RT: 7.32 min Scan# 458
Delta R.T. 0.01 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion: 70 Resp: 37964

Ion	Ratio	Lower	Upper
70	100		
42	28.5	43.0	64.4#
101	0.0	8.1	12.1#
130	0.0	20.1	30.1#

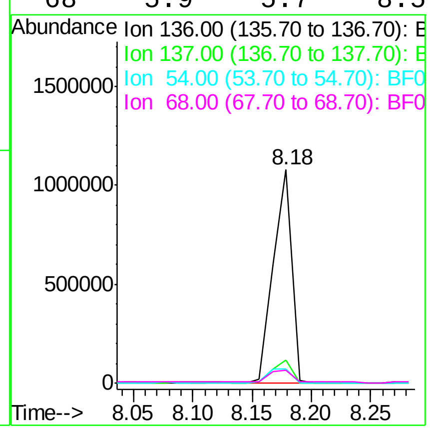


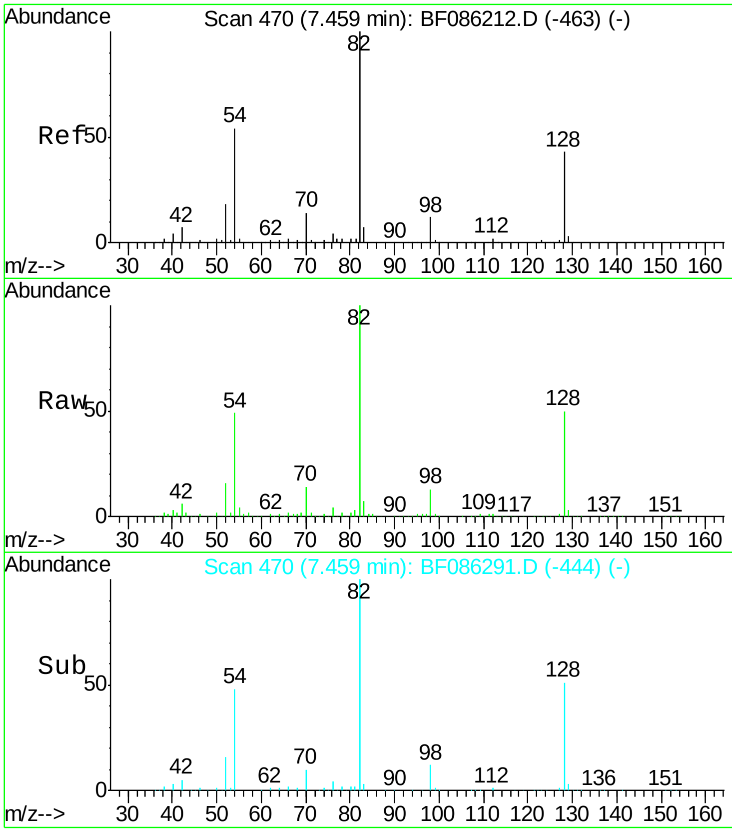


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion:136 Resp: 1176370

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.5	7.3	10.9#
68	5.9	5.7	8.5



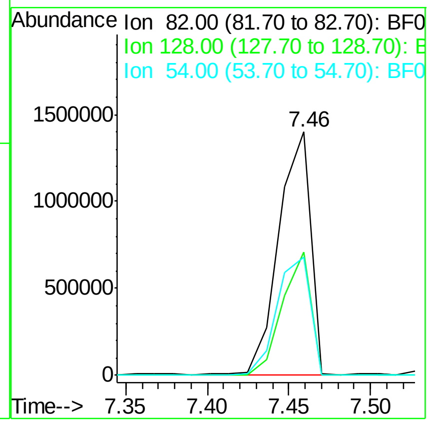


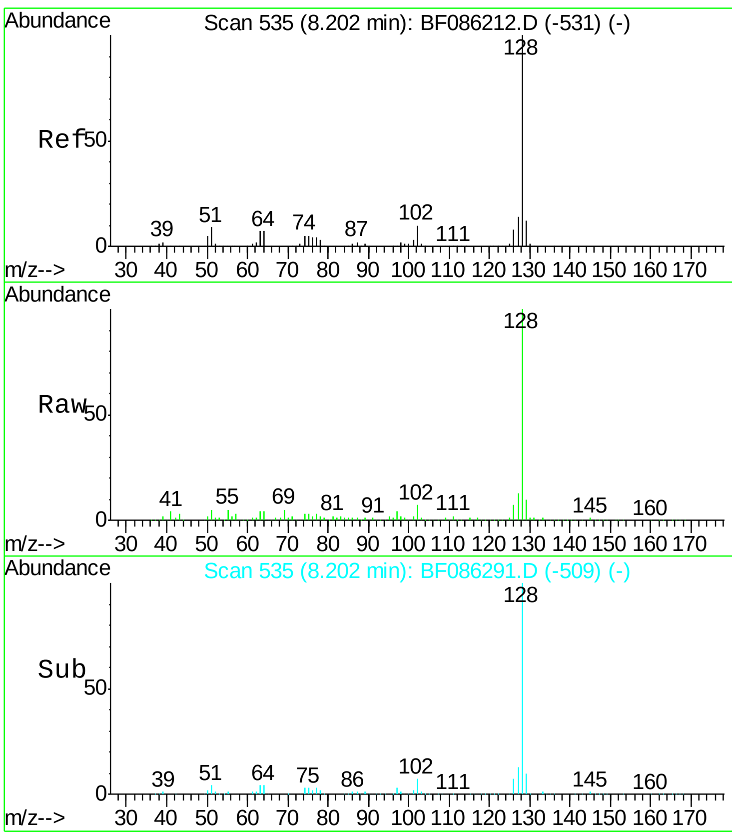
#23
Nitrobenzene-d5
Concen: 93.15 ng
RT: 7.46 min   Scan# 470
Delta R.T.   -0.00 min
Lab File: BF086291.D
Acq: 18 Apr 2016   19:36

Instrument : BNA_F
ClientSampleId : B31-1(0-2)

Tgt Ion: 82 Resp: 1899884

Ion	Ratio	Lower	Upper
82	100		
128	50.4	35.4	53.2
54	48.5	43.4	65.0

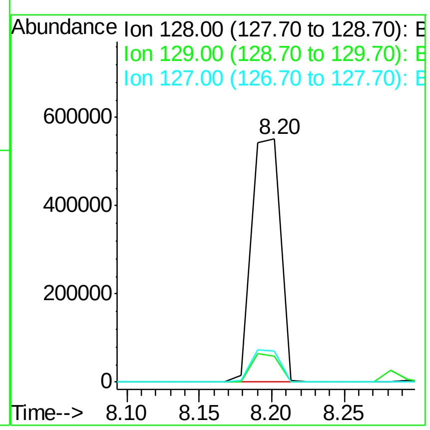


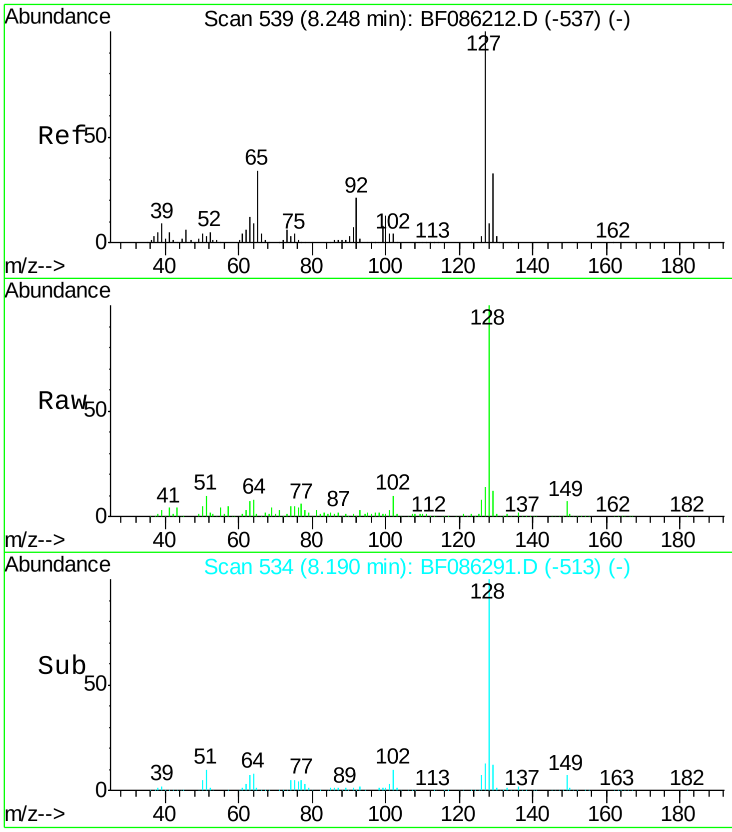


#31
Naphthalene
Concen: 14.55 ng
RT: 8.20 min   Scan# 535
Delta R.T.   0.00 min
Lab File: BF086291.D
Acq: 18 Apr 2016   19:36

Tgt Ion:128 Resp: 764220

Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.6	14.4
127	13.0	11.4	17.2



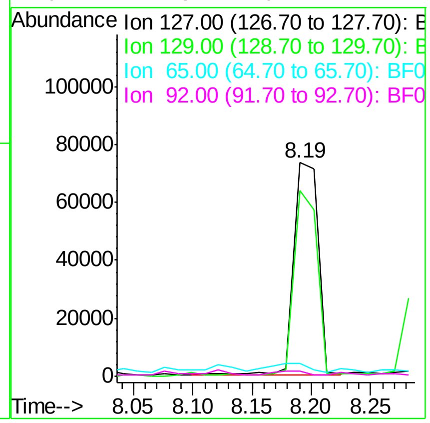


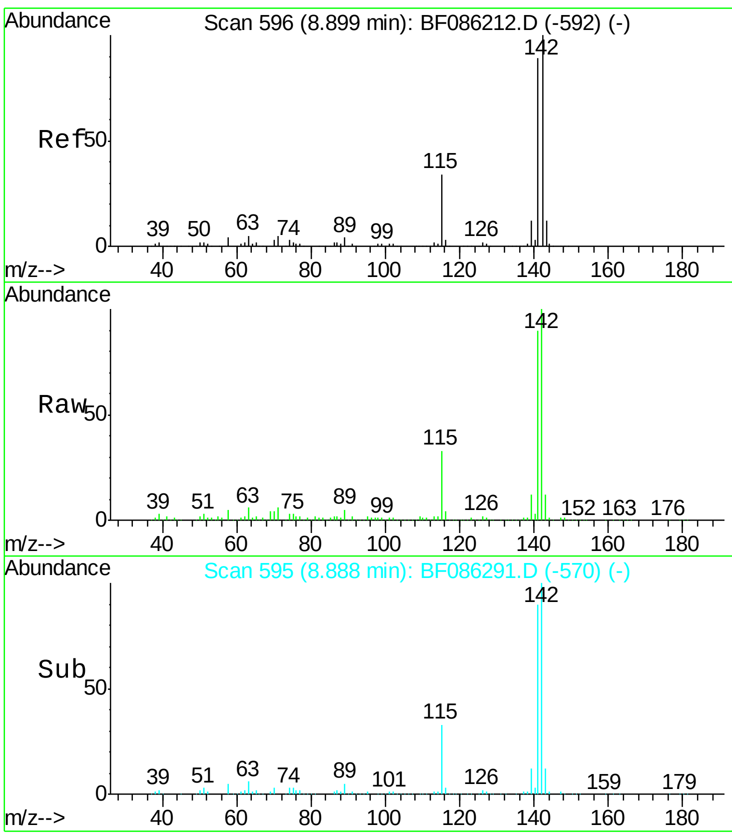
#33
4-Chloroaniline
Concen: 4.37 ng
RT: 8.19 min   Scan# 534
Delta R.T.   -0.06 min
Lab File: BF086291.D
Acq: 18 Apr 2016   19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion:127 Resp: 102672

Ion	Ratio	Lower	Upper
127	100		
129	87.0	26.8	40.2#
65	5.9	27.1	40.7#
92	2.3	16.2	24.2#

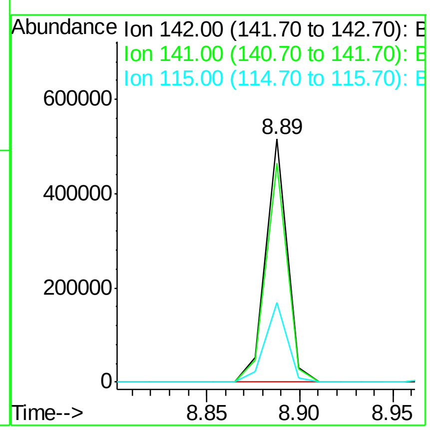


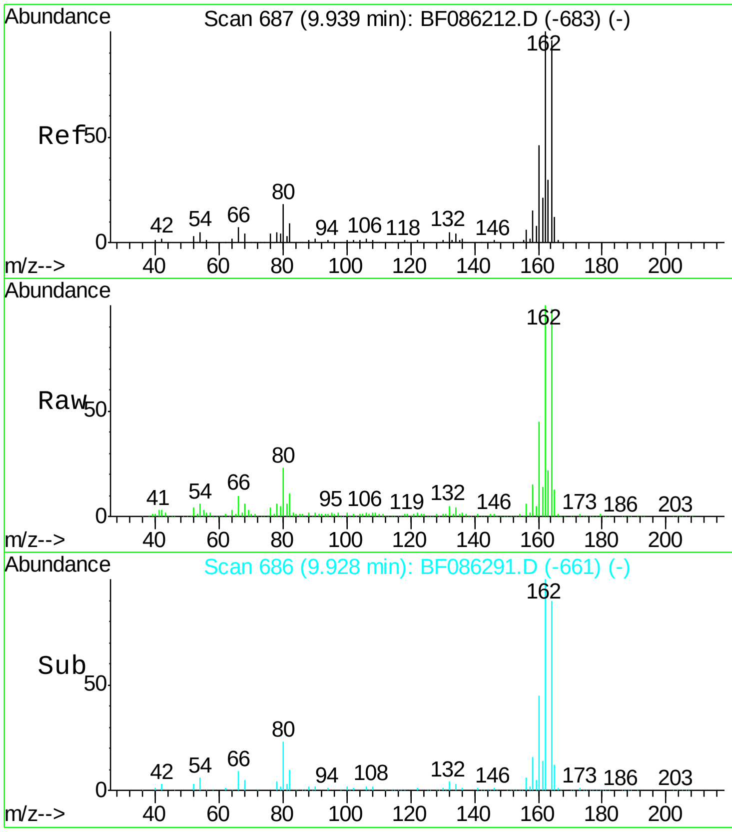


#37
2-Methylnaphthalene
Concen: 12.13 ng
RT: 8.89 min   Scan# 595
Delta R.T.   -0.01 min
Lab File: BF086291.D
Acq: 18 Apr 2016   19:36

Tgt Ion:142 Resp: 412016

Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.1	106.7
115	33.0	25.1	37.7



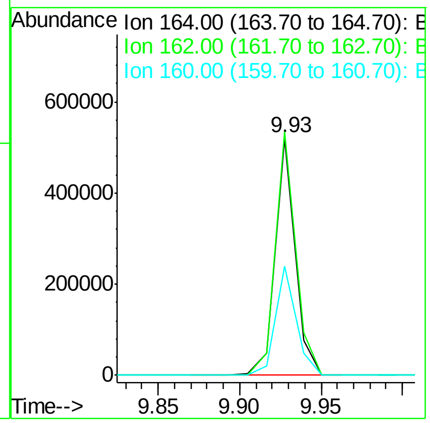


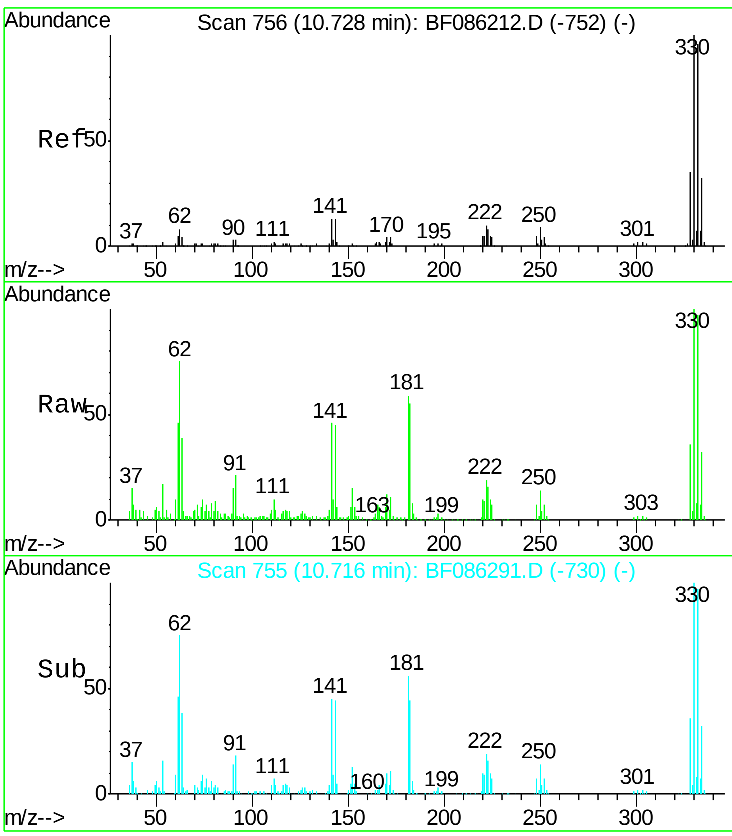
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.01 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion:164 Resp: 445563

Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.8	124.2
160	46.1	38.9	58.3

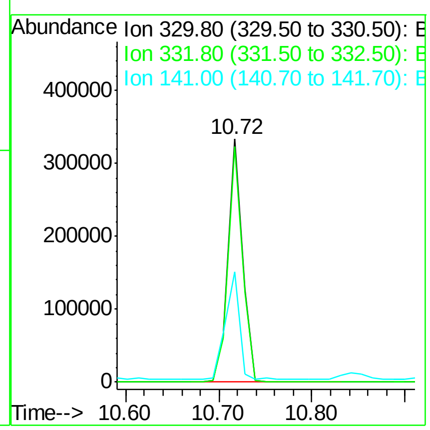


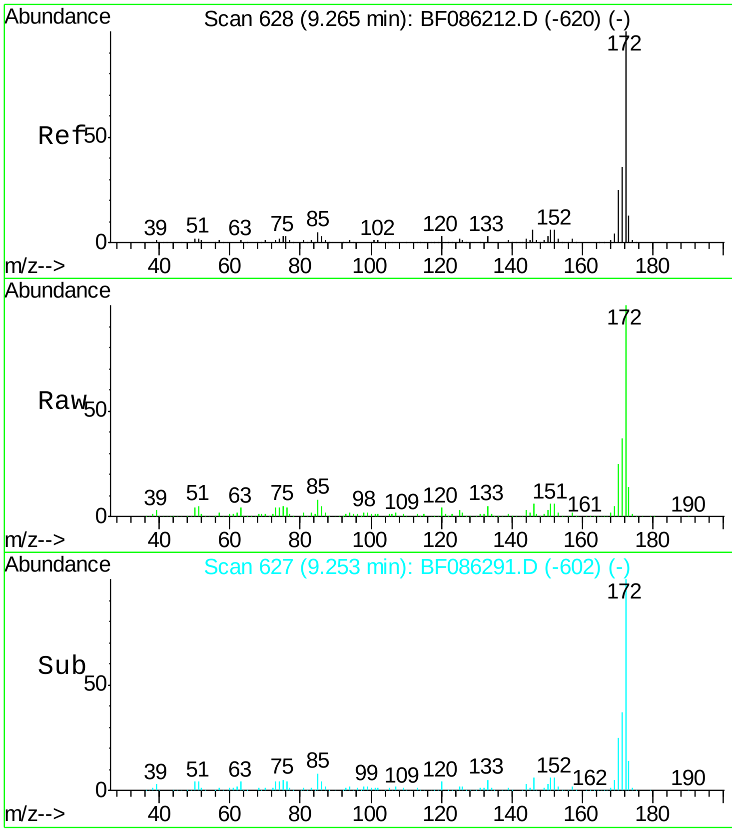


#41
2,4,6-Tribromophenol
Concen: 101.70 ng
RT: 10.72 min Scan# 755
Delta R.T. -0.01 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion:330 Resp: 363863

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.7	118.1
141	44.4	28.6	42.8#



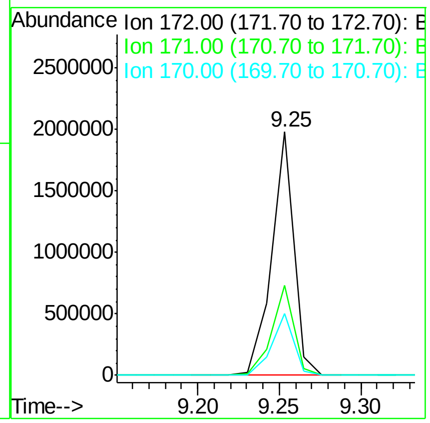


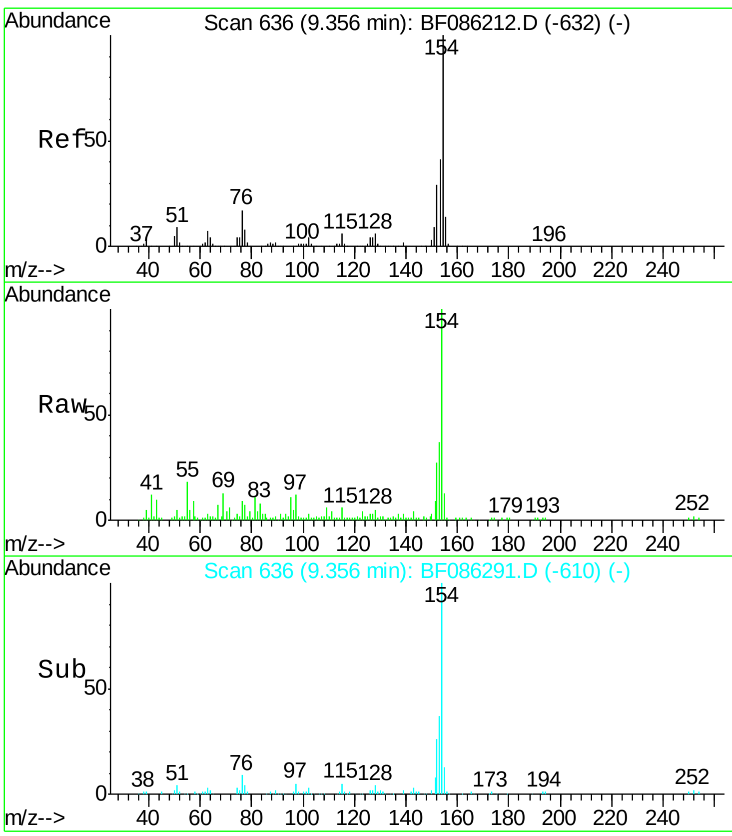
#44
2-Fluorobiphenyl
Concen: 77.89 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion:172 Resp: 1880815

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.1	43.7
170	25.3	19.9	29.9

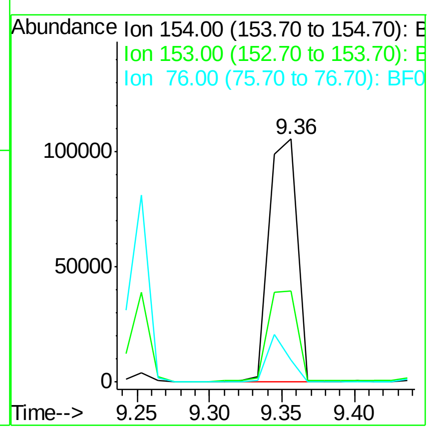


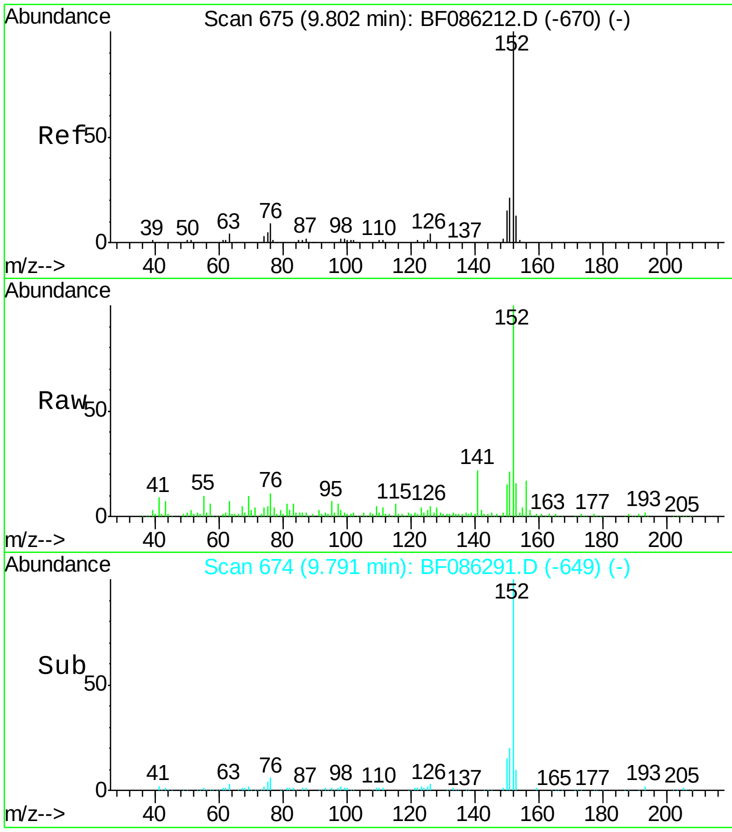


#45
1,1'-Biphenyl
Concen: 4.47 ng
RT: 9.36 min Scan# 636
Delta R.T. 0.00 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion:154 Resp: 143393

Ion	Ratio	Lower	Upper
154	100		
153	37.3	21.3	61.3
76	9.2	0.0	36.4



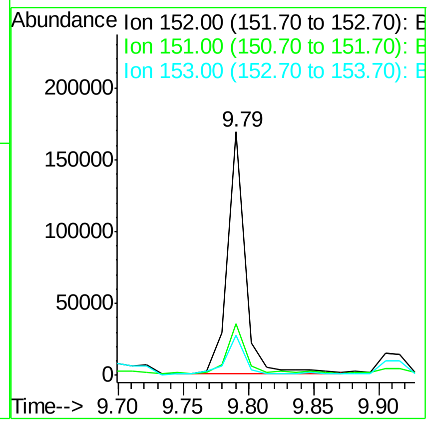


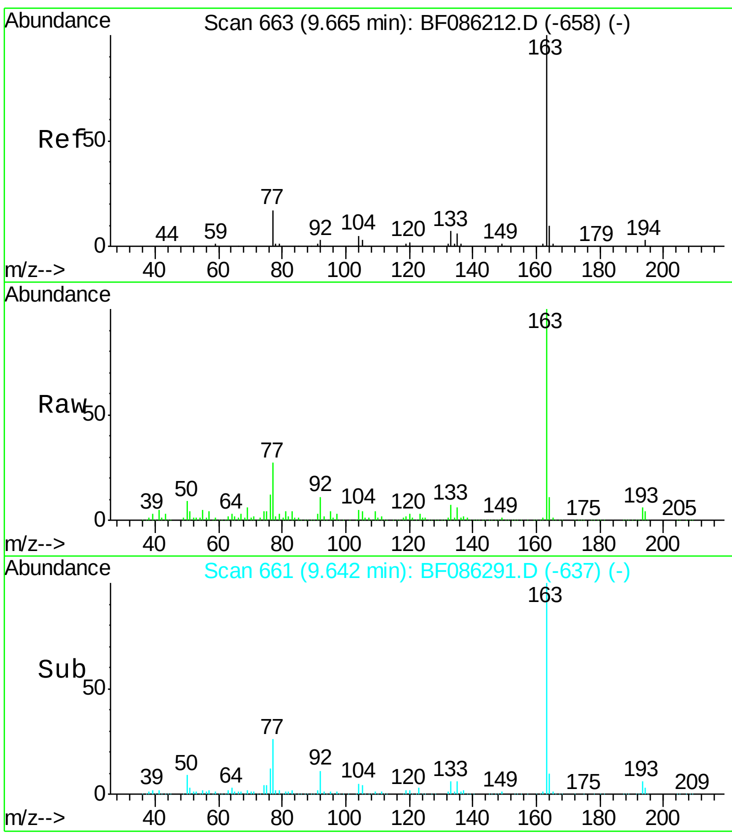
#48
Acenaphthylene
Concen: 3.87 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion:152 Resp: 161280

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.2	25.8
153	16.3	10.7	16.1#

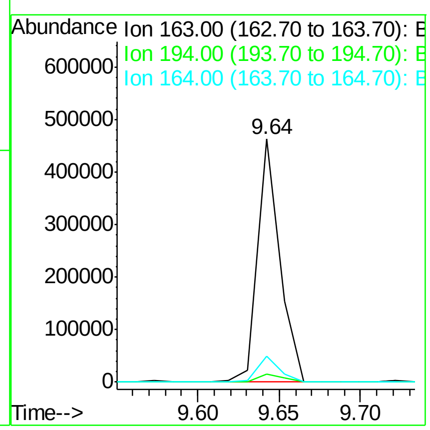


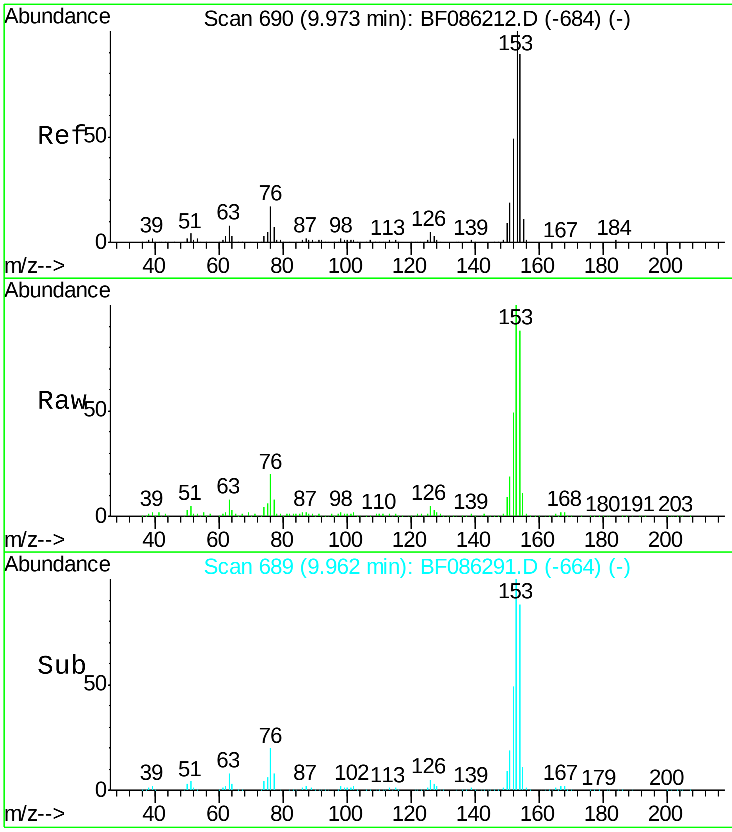


#49
Dimethylphthalate
Concen: 13.46 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion:163 Resp: 436054

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.5	8.4	12.6



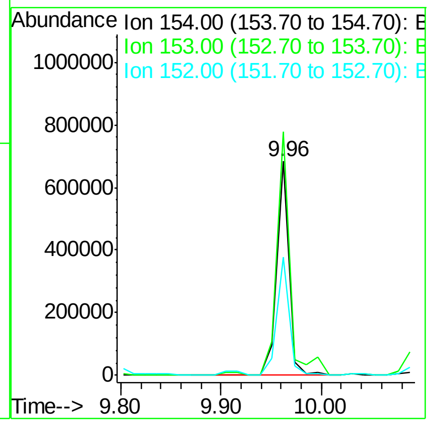


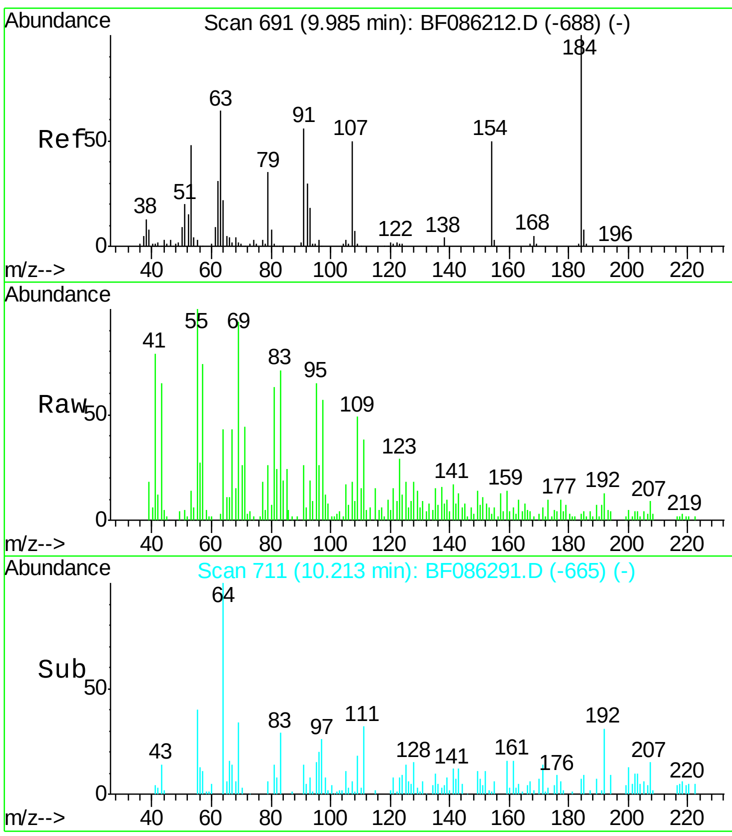
#51
Acenaphthene
Concen: 22.97 ng
RT: 9.96 min Scan# 689
Delta R.T. -0.01 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion:154 Resp: 571650

Ion	Ratio	Lower	Upper
154	100		
153	113.9	90.0	135.0
152	55.4	44.3	66.5

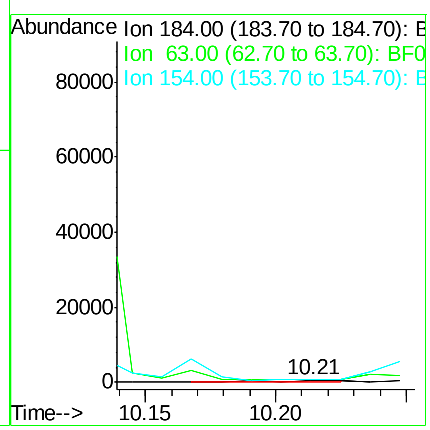


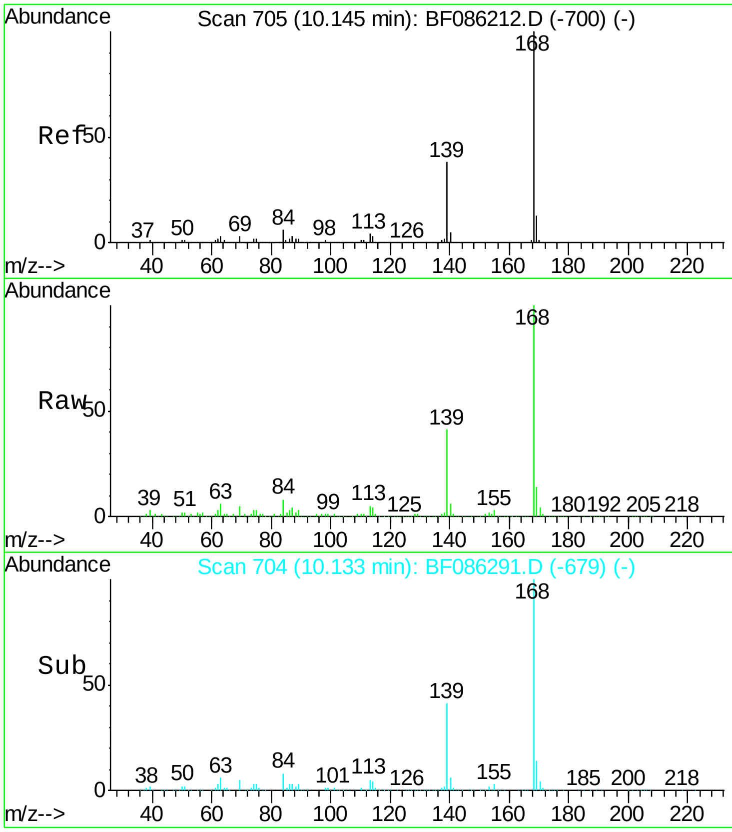


#53
2,4-Dinitrophenol
Concen: 4.64 ng
RT: 10.21 min Scan# 711
Delta R.T. 0.23 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion:184 Resp: 912

Ion	Ratio	Lower	Upper
184	100		
63	125.5	64.7	97.1#
154	130.4	59.4	89.2#



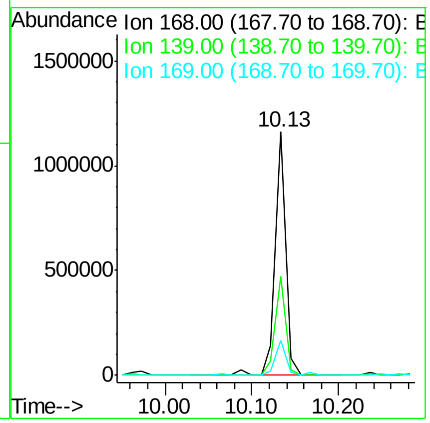


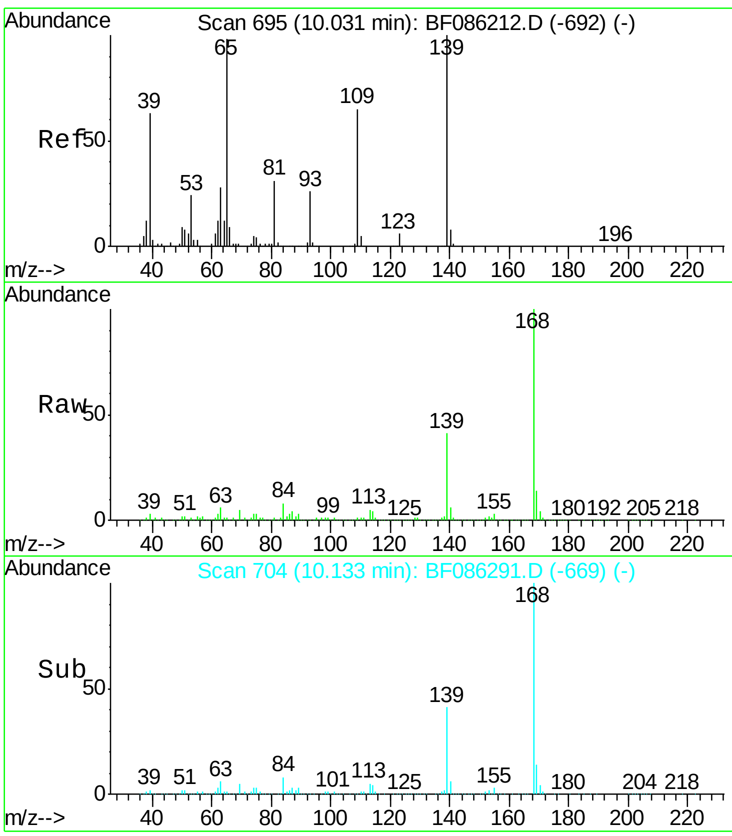
#54
Dibenzofuran
Concen: 29.76 ng
RT: 10.13 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion:168 Resp: 978200

Ion	Ratio	Lower	Upper
168	100		
139	40.6	29.5	44.3
169	14.5	10.6	16.0

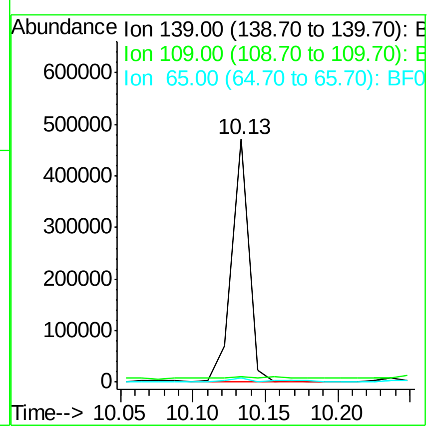


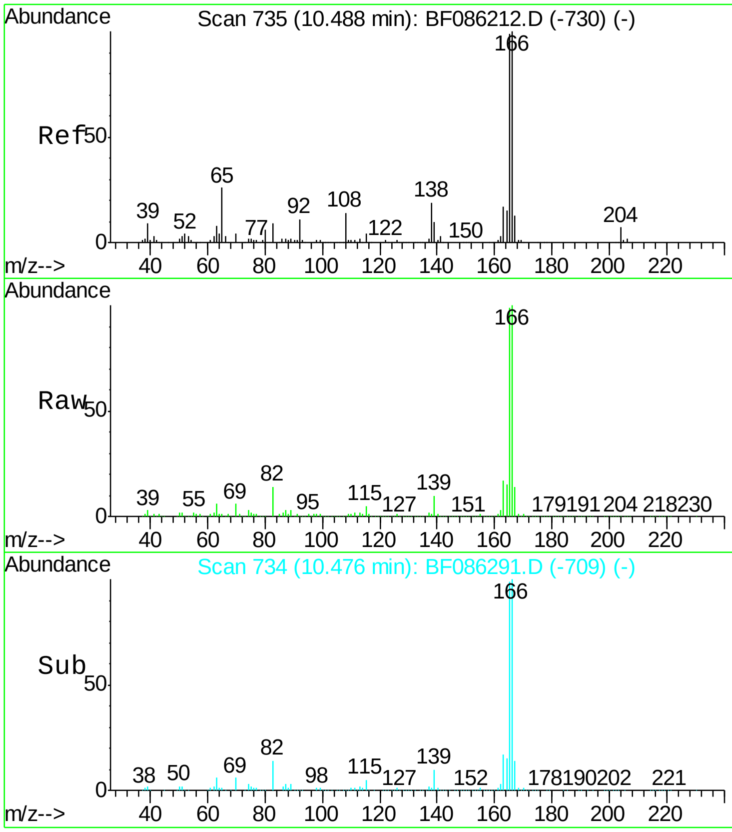


#55
4-Nitrophenol
Concen: 56.94 ng
RT: 10.13 min Scan# 704
Delta R.T. 0.10 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion:139 Resp: 388012

Ion	Ratio	Lower	Upper
139	100		
109	2.1	55.0	95.0#
65	1.8	87.3	127.3#



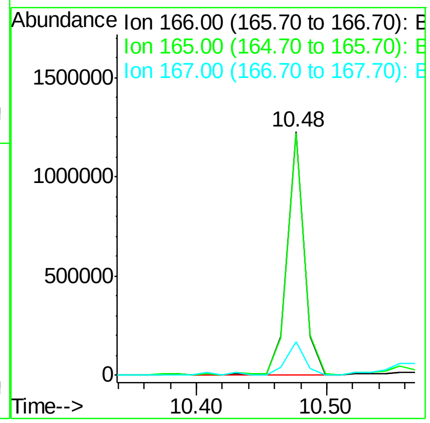


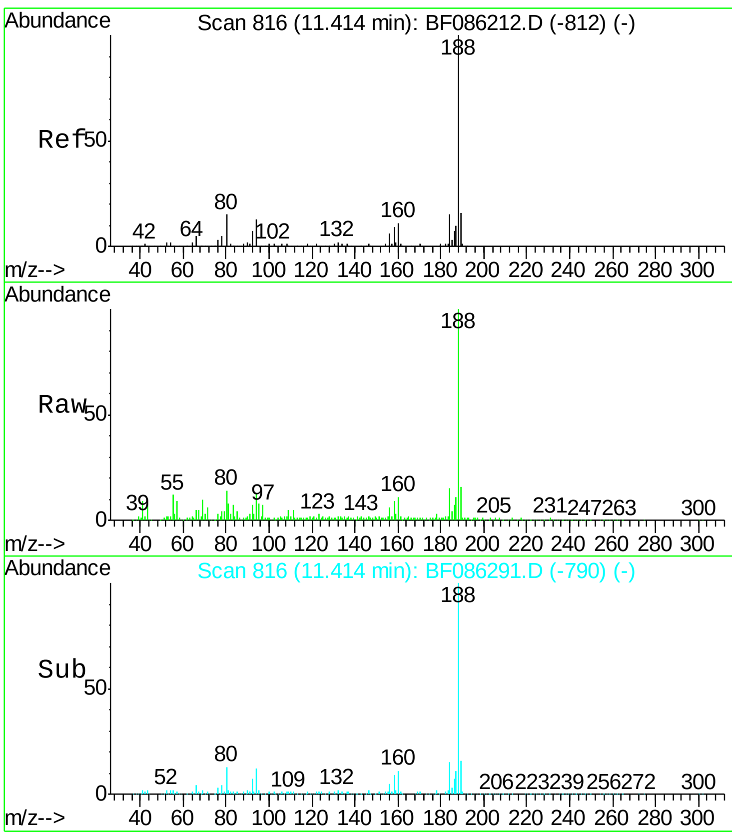
#57
Fluorene
Concen: 50.66 ng
RT: 10.48 min   Scan# 734
Delta R.T.   -0.01 min
Lab File: BF086291.D
Acq: 18 Apr 2016   19:36

Instrument : BNA_F
ClientSampleId : B31-1(0-2)

Tgt Ion:166 Resp: 1127411

Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.6	117.8
167	13.9	10.4	15.6

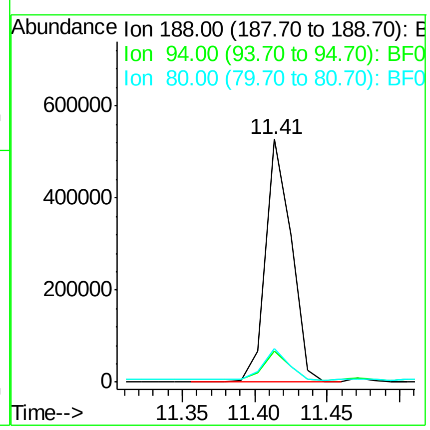


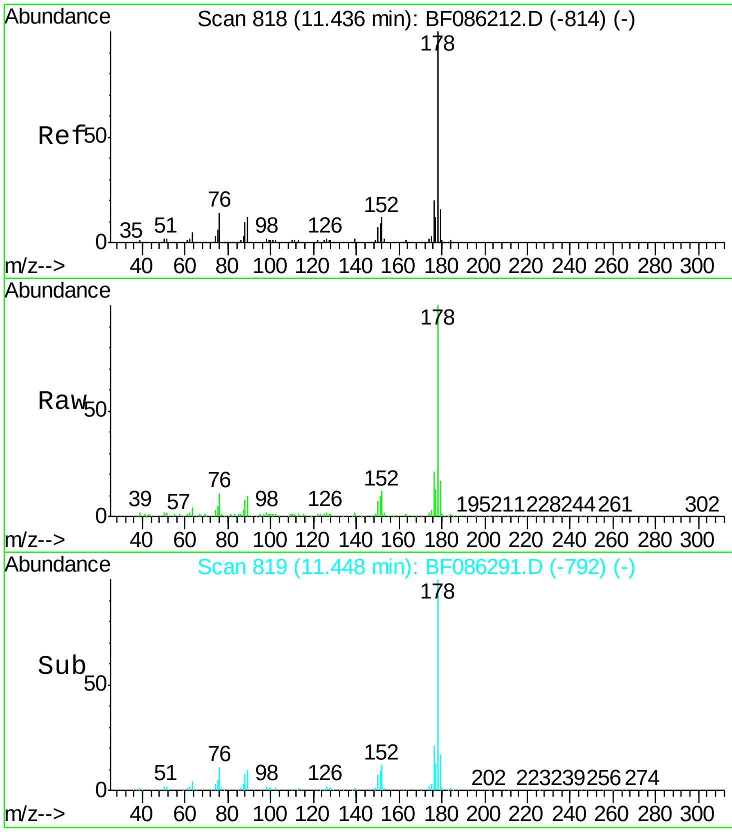


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min   Scan# 816
Delta R.T.   -0.00 min
Lab File: BF086291.D
Acq: 18 Apr 2016   19:36

Tgt Ion:188 Resp: 645108

Ion	Ratio	Lower	Upper
188	100		
94	12.8	9.8	14.8
80	14.1	10.5	15.7



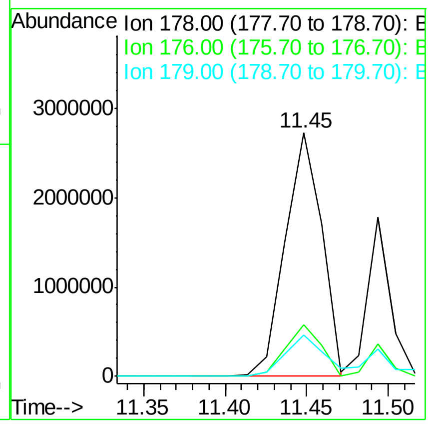


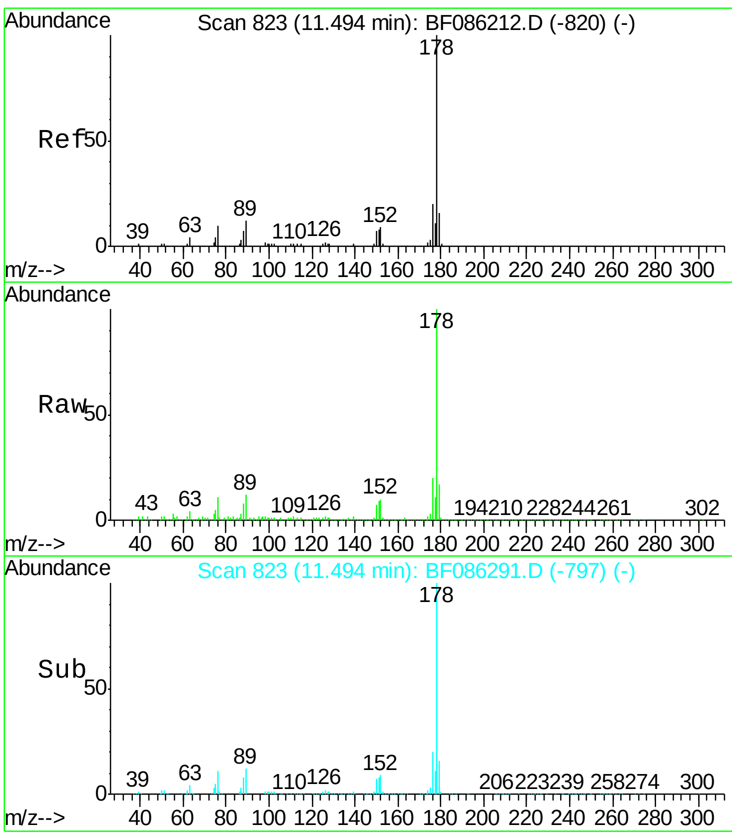
#70
Phenanthrene
Concen: 137.51 ng
RT: 11.45 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Instrument : BNA_F
ClientSampleId : B31-1(0-2)

Tgt Ion:178 Resp: 4237064

Ion	Ratio	Lower	Upper
178	100		
176	21.1	16.3	24.5
179	17.2	13.0	19.6

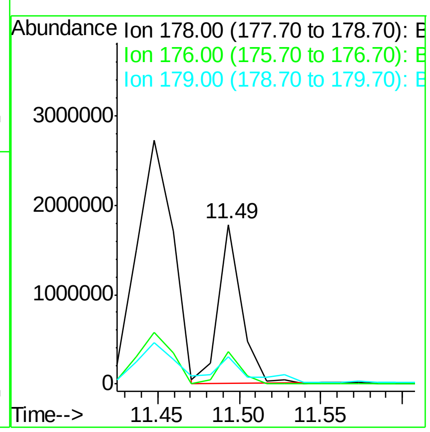




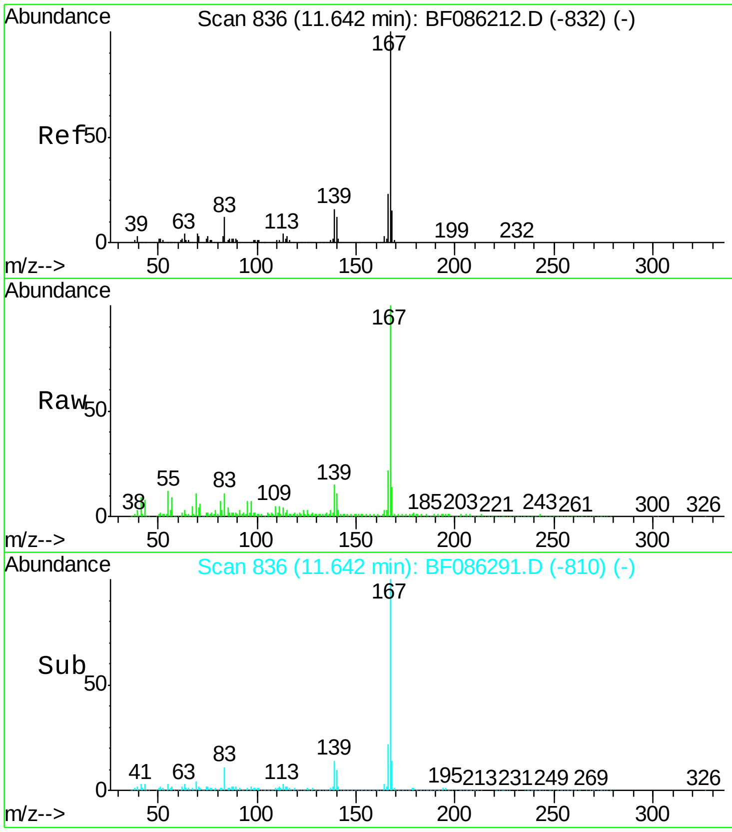
#71
Anthracene
Concen: Below Cal
RT: 11.49 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion:178 Resp: 1738288

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	16.7	13.2	19.8



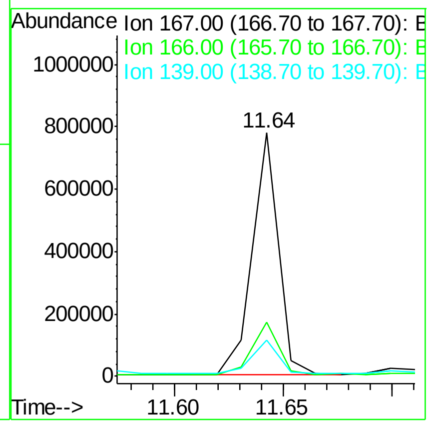
Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

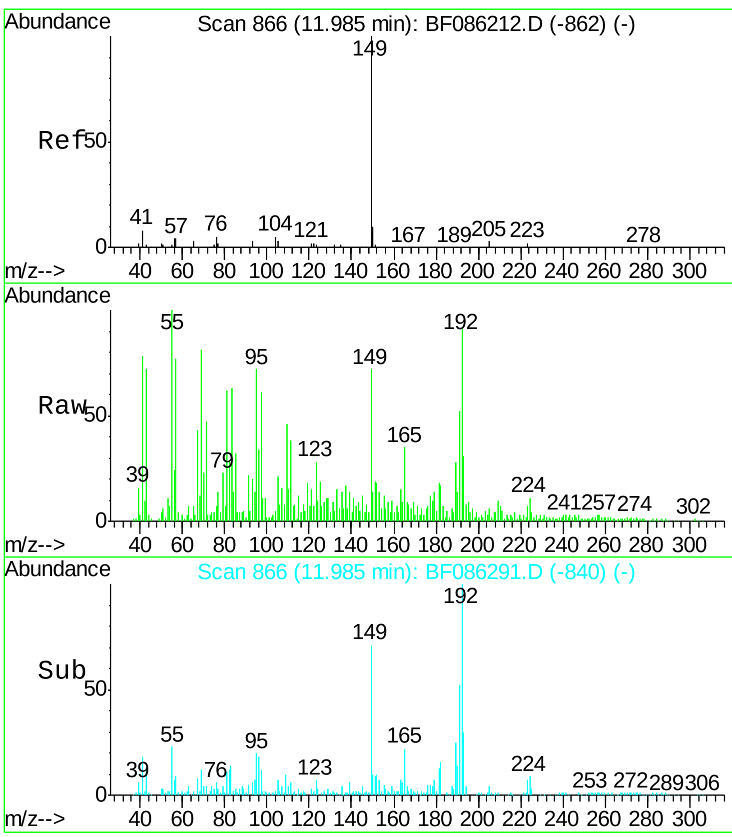


#72
Carbazole
Concen: 21.85 ng
RT: 11.64 min Scan# 836
Delta R.T. 0.00 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion:167 Resp: 640287

Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.3	27.5
139	14.8	12.3	18.5

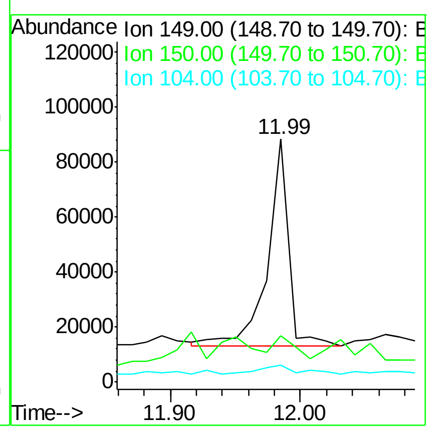


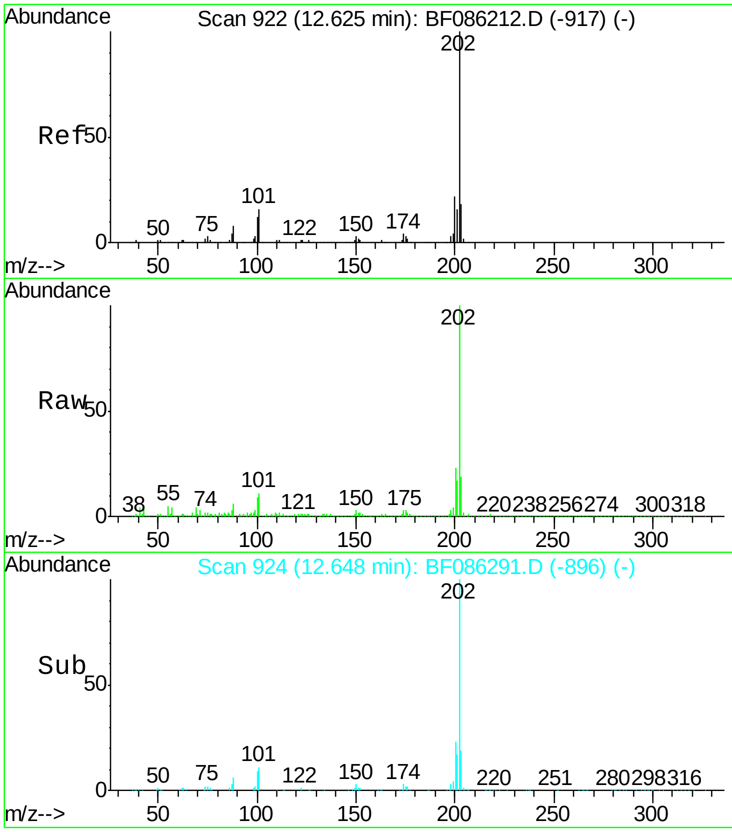


#73
Di-n-butylphthalate
Concen: 2.15 ng
RT: 11.99 min Scan# 866
Delta R.T. 0.00 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion:149 Resp: 85015

Ion	Ratio	Lower	Upper
149	100		
150	19.0	7.8	11.8#
104	7.3	4.1	6.1#



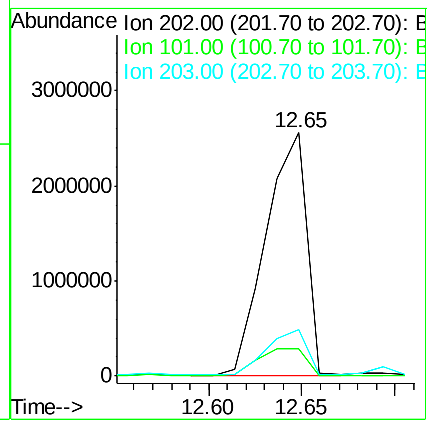


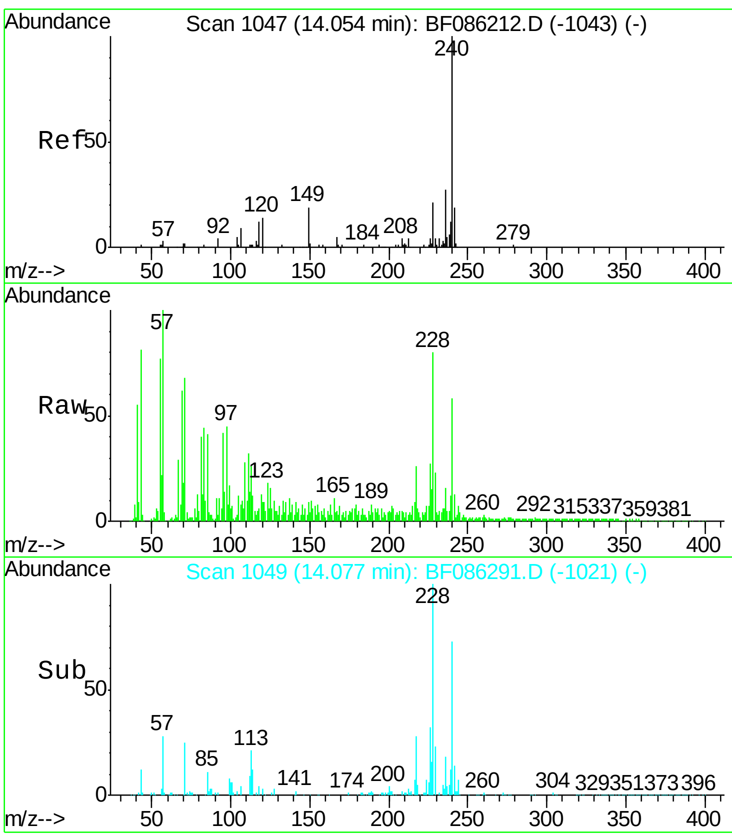
#74
Fluoranthene
Concen: 159.67 ng
RT: 12.65 min Scan# 924
Delta R.T. 0.02 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion:202 Resp: 3854330

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	35.2
203	18.9	0.0	38.2

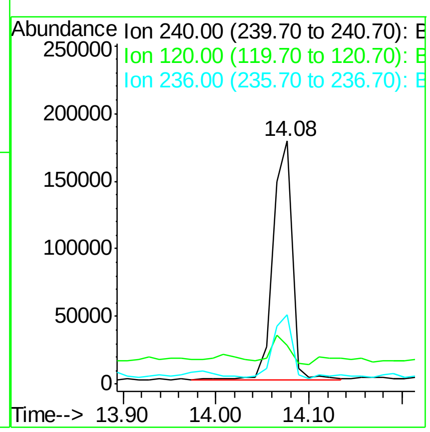


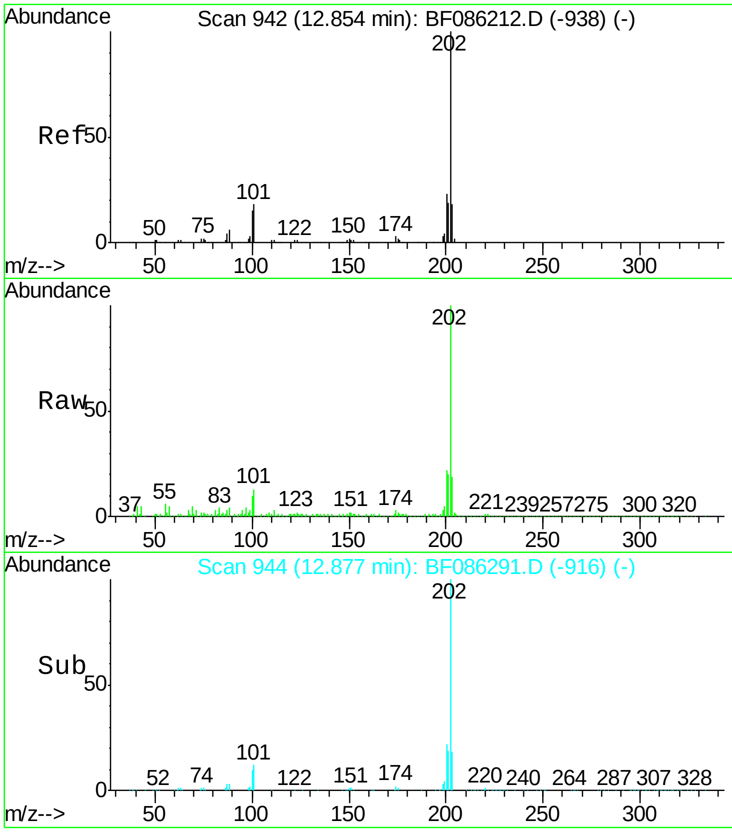


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 1049
Delta R.T. 0.02 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion:240 Resp: 254905

Ion	Ratio	Lower	Upper
240	100		
120	15.8	9.3	13.9#
236	28.3	21.1	31.7



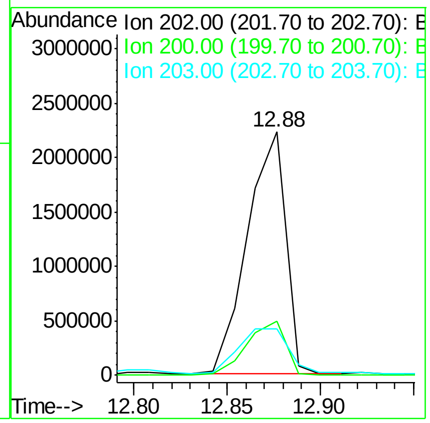


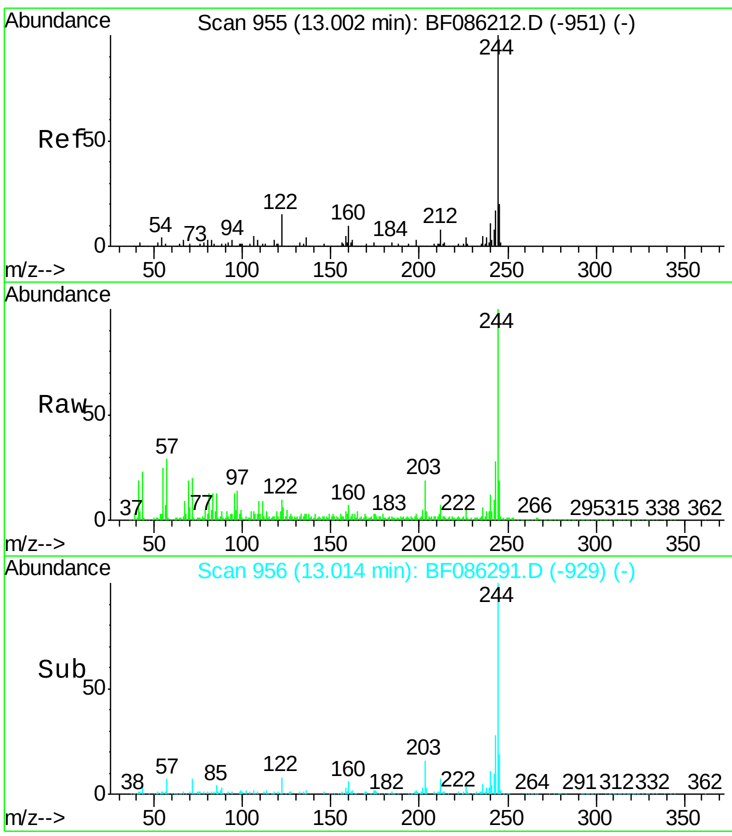
#77
Pyrene
Concen: 163.23 ng
RT: 12.88 min Scan# 944
Delta R.T. 0.02 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion:202 Resp: 3192175

Ion	Ratio	Lower	Upper
202	100		
200	22.3	18.3	27.5
203	19.0	14.9	22.3

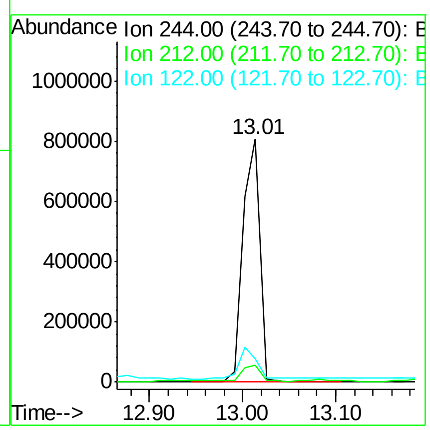


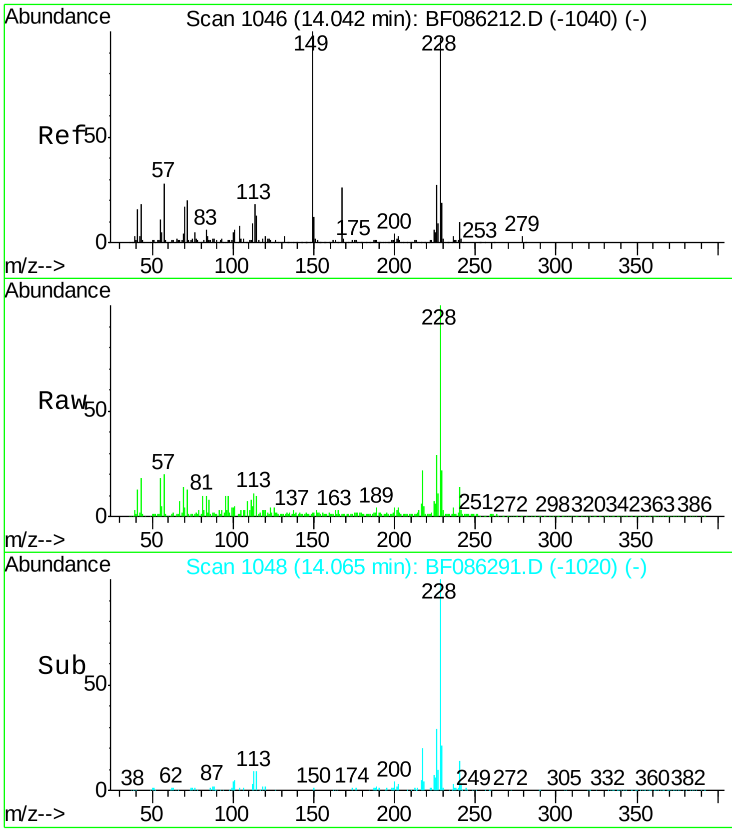


#78
Terphenyl-d14
Concen: 99.58 ng
RT: 13.01 min Scan# 956
Delta R.T. 0.01 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion:244 Resp: 1009484

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.4	9.6
122	9.6	11.7	17.5#



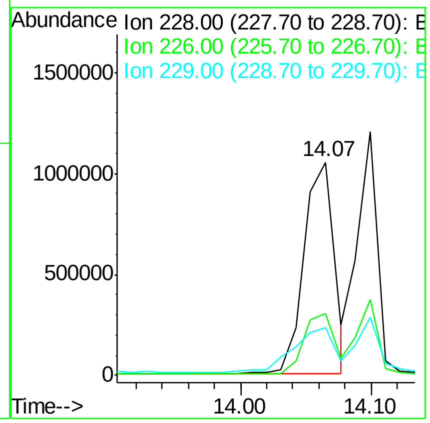


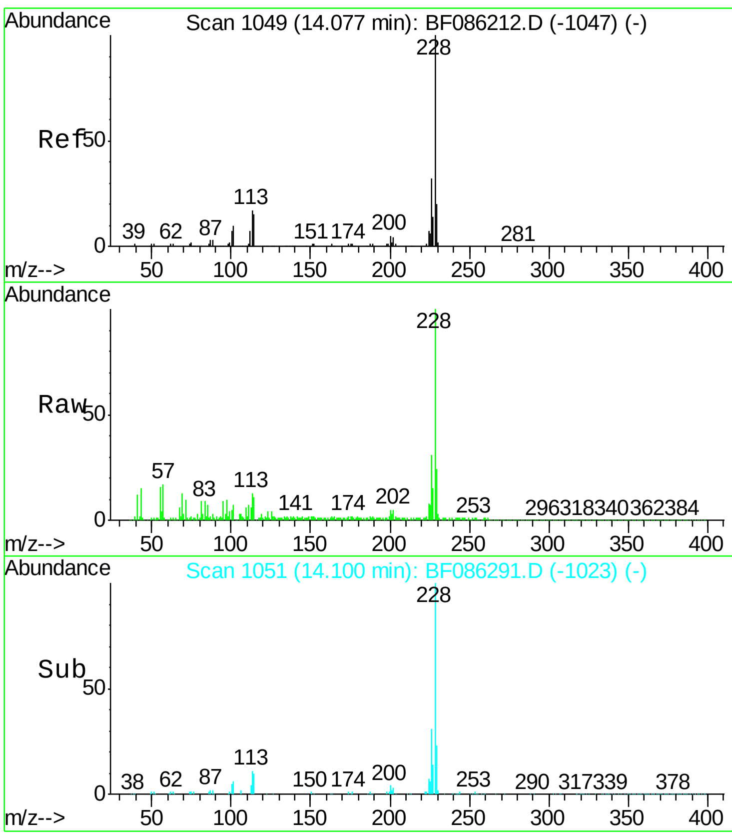
#80
Benzo(a)anthracene
Concen: 121.09 ng
RT: 14.07 min Scan# 1048
Delta R.T. 0.02 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion:228 Resp: 1694459

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.5	33.7
229	22.1	16.2	24.2

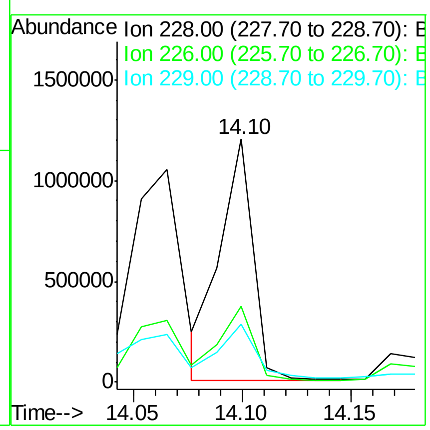


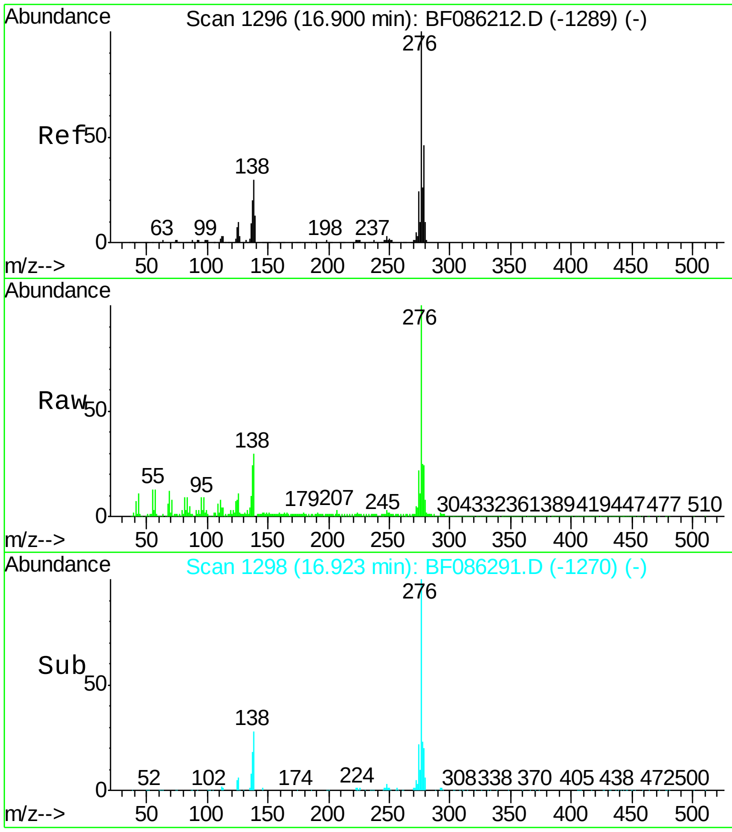


#82
Chrysene
Concen: 85.11 ng
RT: 14.10 min Scan# 1051
Delta R.T. 0.02 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion:228 Resp: 1269864

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.2
229	23.9	16.5	24.7



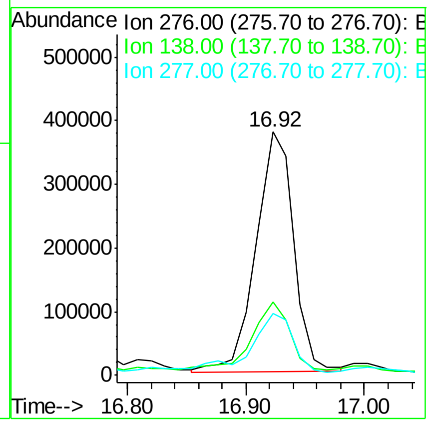


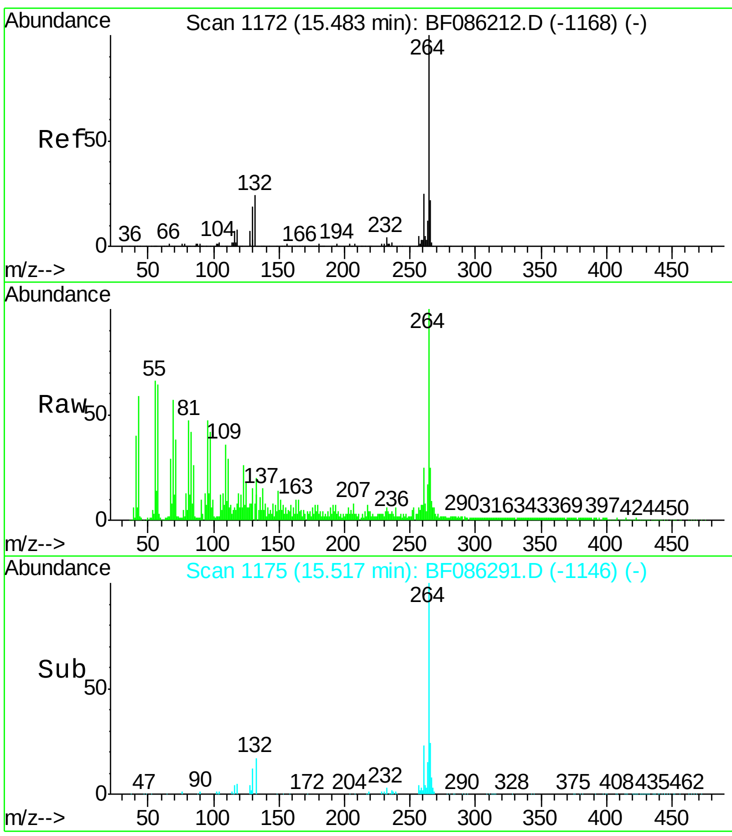
#85
Indeno(1,2,3-cd)pyrene
Concen: 67.61 ng
RT: 16.92 min   Scan# 1298
Delta R.T.   0.02 min
Lab File: BF086291.D
Acq: 18 Apr 2016   19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion:276 Resp: 829234

Ion	Ratio	Lower	Upper
276	100		
138	29.0	23.8	35.6
277	29.3	20.2	30.2

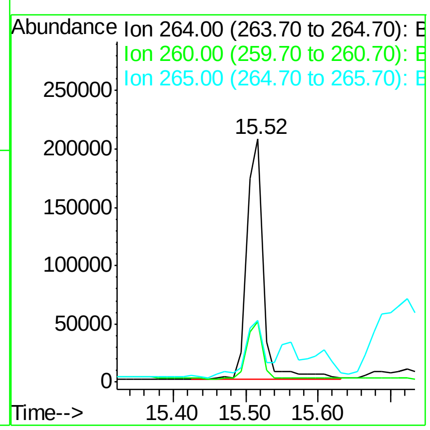


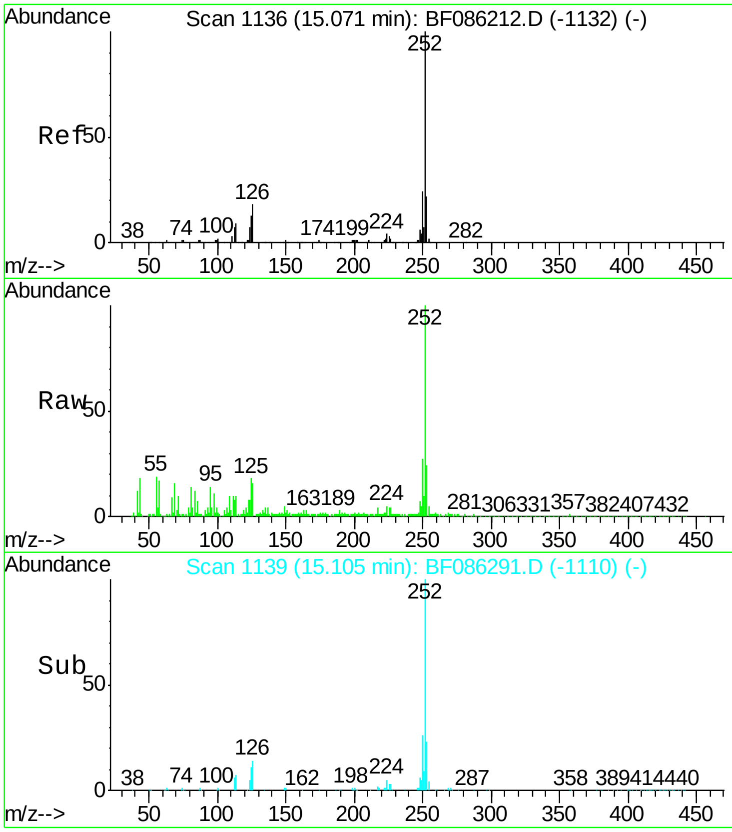


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min   Scan# 1175
Delta R.T.   0.03 min
Lab File: BF086291.D
Acq: 18 Apr 2016   19:36

Tgt Ion:264 Resp: 327882

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.0	30.0
265	25.5	17.4	26.0



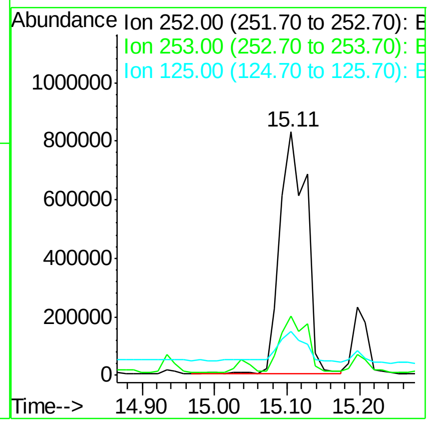


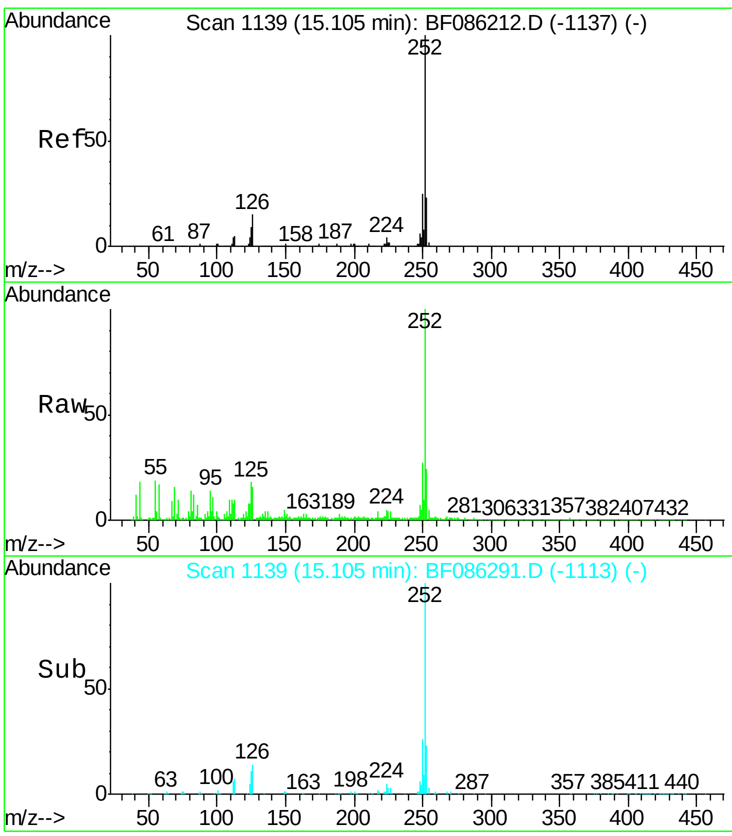
#87
Benzo(b)fluoranthene
Concen: 104.93 ng
RT: 15.11 min   Scan# 1139
Delta R.T.   0.03 min
Lab File: BF086291.D
Acq: 18 Apr 2016   19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion:252 Resp: 2122531

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.7	26.5
125	17.8	10.3	15.5#

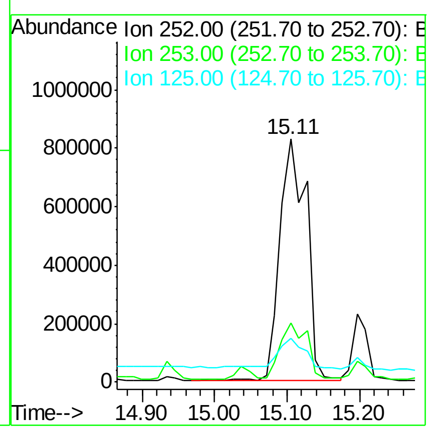


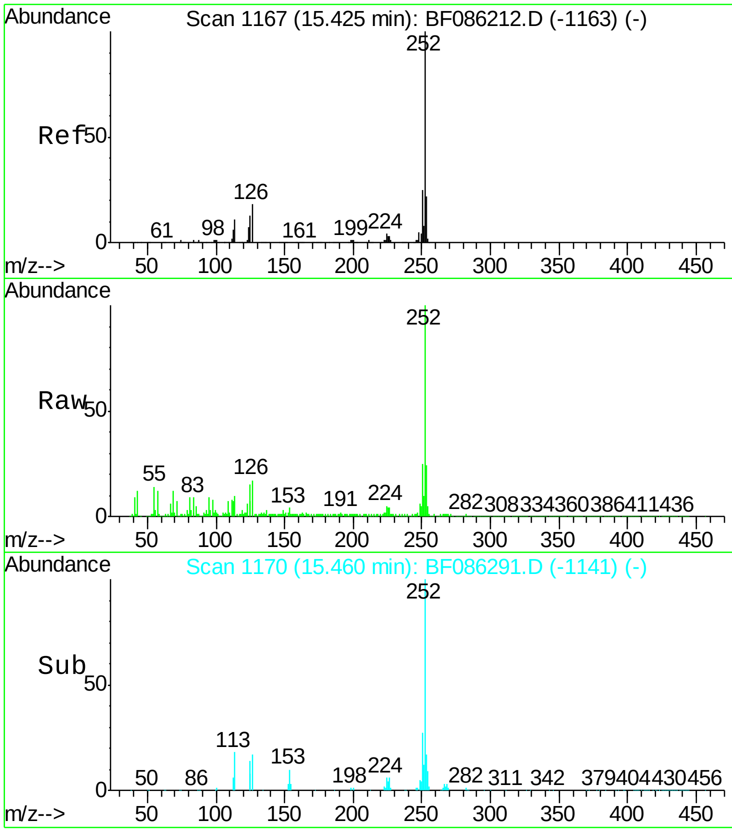


#88
Benzo(k)fluoranthene
Concen: 115.08 ng
RT: 15.11 min   Scan# 1139
Delta R.T.   -0.00 min
Lab File: BF086291.D
Acq: 18 Apr 2016   19:36

Tgt Ion:252 Resp: 2122531

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	17.8	7.8	11.6#



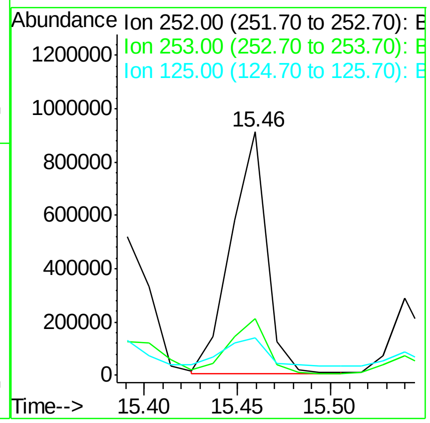


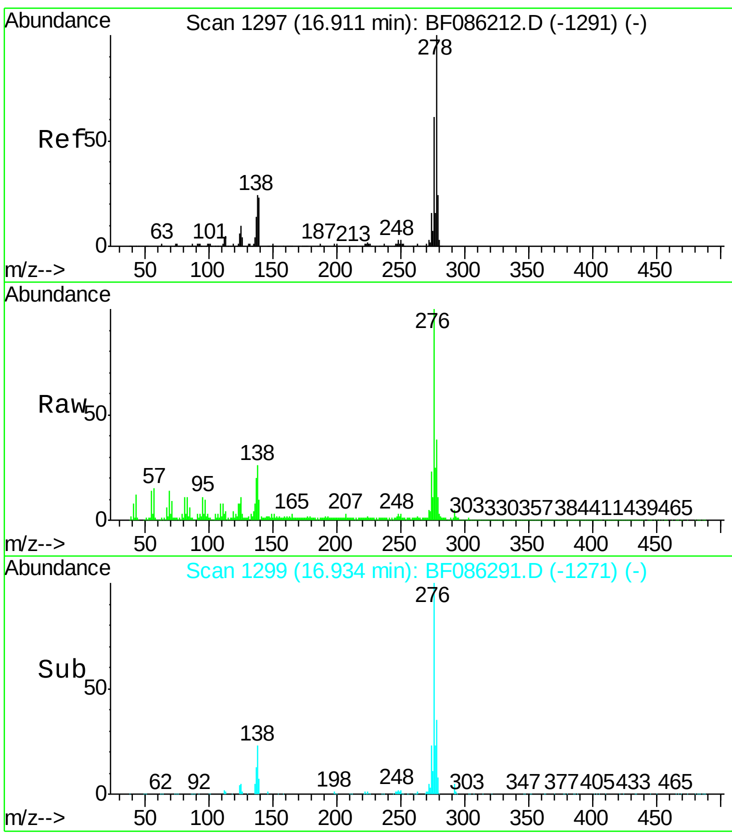
#89
Benzo(a)pyrene
Concen: 69.04 ng
RT: 15.46 min Scan# 1170
Delta R.T. 0.03 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion:252 Resp: 1209789

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	15.2	11.2	16.8

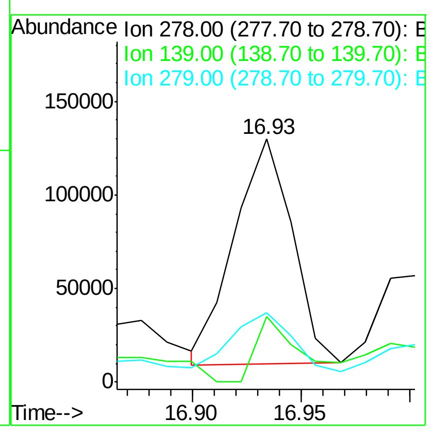


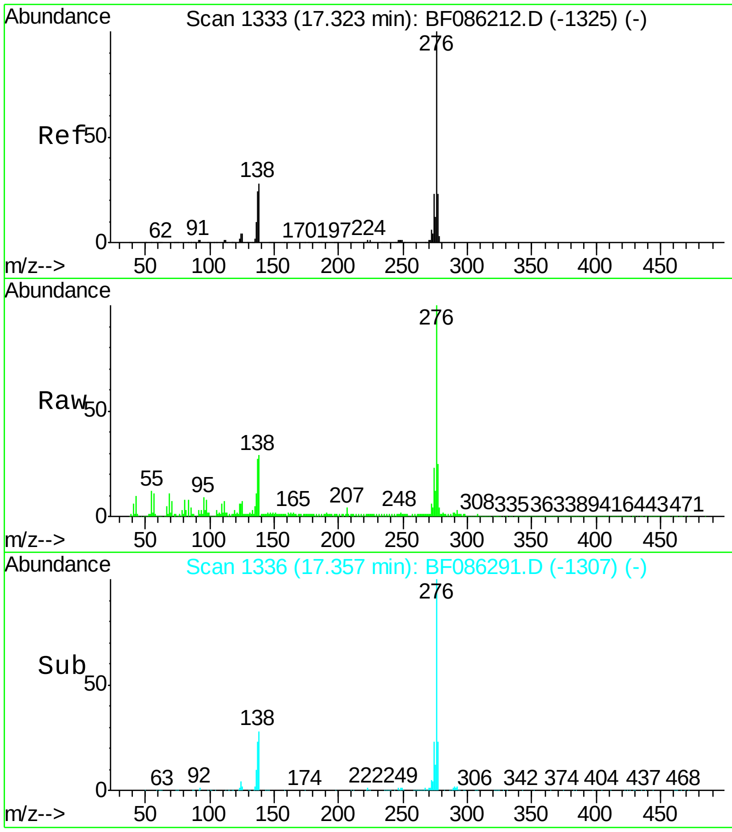


#90
Dibenzo(a,h)anthracene
Concen: 14.45 ng
RT: 16.93 min Scan# 1299
Delta R.T. 0.02 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Tgt Ion:278 Resp: 223684

Ion	Ratio	Lower	Upper
278	100		
139	27.0	15.3	22.9#
279	28.8	19.1	28.7#





#91
Benzo(g,h,i)perylene
Concen: 45.61 ng
RT: 17.36 min Scan# 1336
Delta R.T. 0.03 min
Lab File: BF086291.D
Acq: 18 Apr 2016 19:36

Instrument :
BNA_F
ClientSampleId :
B31-1(0-2)

Tgt Ion:276 Resp: 751022

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.6
138	28.9	19.6	29.4