Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032117\
Data File : BF093827.D
Acq On : 22 Mar 2017 10:03
Operator : SJ/MA
Sample : I2318-07DL 50X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-PW-01DL

Quant Time: Mar 22 14:51:51 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 21 14:38:20 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	205739	20.00	ng		0.00
21) Naphthalene-d8	8.12	136	826971	20.00	ng		0.00
38) Acenaphthene-d10	9.86	164	373442	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	580188	20.00	ng		0.00
75) Chrysene-d12	13.97	240	387957	20.00	ng		0.00
86) Perylene-d12	15.37	264	351893	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	28105	2.39	ng		-0.01
7) Phenol-d6	6.45	99	37992	2.61	ng		-0.01
23) Nitrobenzene-d5	7.38	82	19639	1.35	ng		-0.01
41) 2,4,6-Tribromophenol	10.64	330	5280	1.83	ng		-0.01
44) 2-Fluorobiphenyl	9.19	172	45292	2.04	ng		0.00
78) Terphenyl-d14	12.92	244	29079	1.53	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.14	128	2808477	73.17	ng		98
37) 2-Methylnaphthalene	8.82	142	1024571	40.89	ng		99
45) 1,1'-Biphenyl	9.28	154	157034	5.17	ng		97
48) Acenaphthylene	9.72	152	108974	2.88	ng	#	94
51) Acenaphthene	9.89	154	54066	2.39	ng		99
54) Dibenzofuran	10.06	168	85536	2.81	ng	#	89
57) Fluorene	10.40	166	269192	11.55	ng		98
70) Phenanthrene	11.36	178	1060240	34.31	ng		99
71) Anthracene	11.42	178	308297	9.69	ng		98
74) Fluoranthene	12.55	202	558293	17.58	ng		97
77) Pyrene	12.78	202	606436	18.78	ng		97
80) Benzo(a)anthracene	13.96	228	192791m	7.93	ng		
82) Chrysene	13.99	228	172680m	7.11	ng		
85) Indeno(1,2,3-cd)pyrene	16.72	276	58471	2.94	ng		97
87) Benzo(b)fluoranthene	14.97	252	161871m	6.82	ng		
88) Benzo(k)fluoranthene	14.99	252	61641m	3.52	ng		
89) Benzo(a)pyrene	15.26	252	84076	4.37	ng		98
91) Benzo(g,h,i)perylene	17.12	276	57339	3.62	ng		97

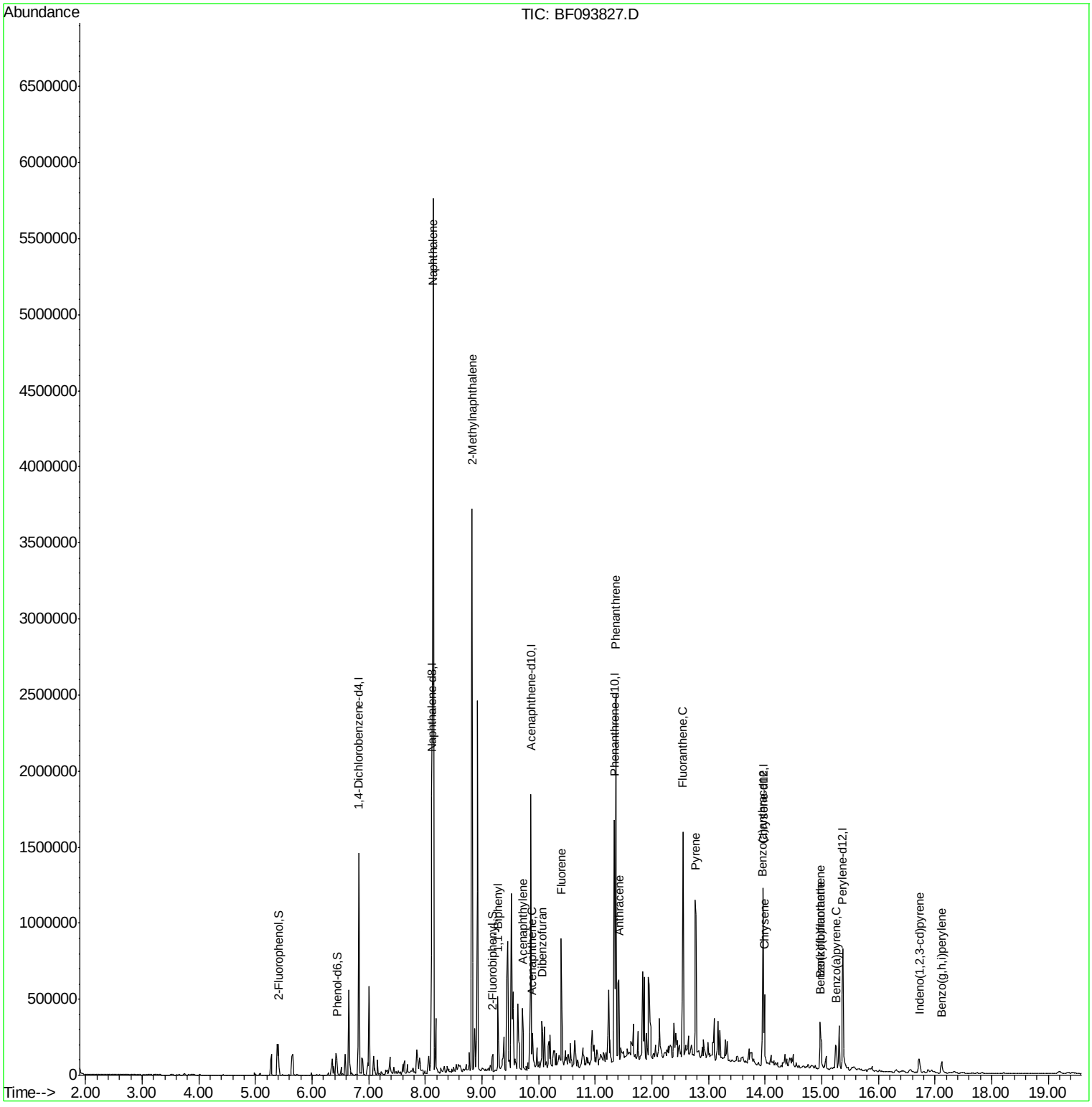
(#) = qualifier out of range (m) = manual integration (+) = signals summed

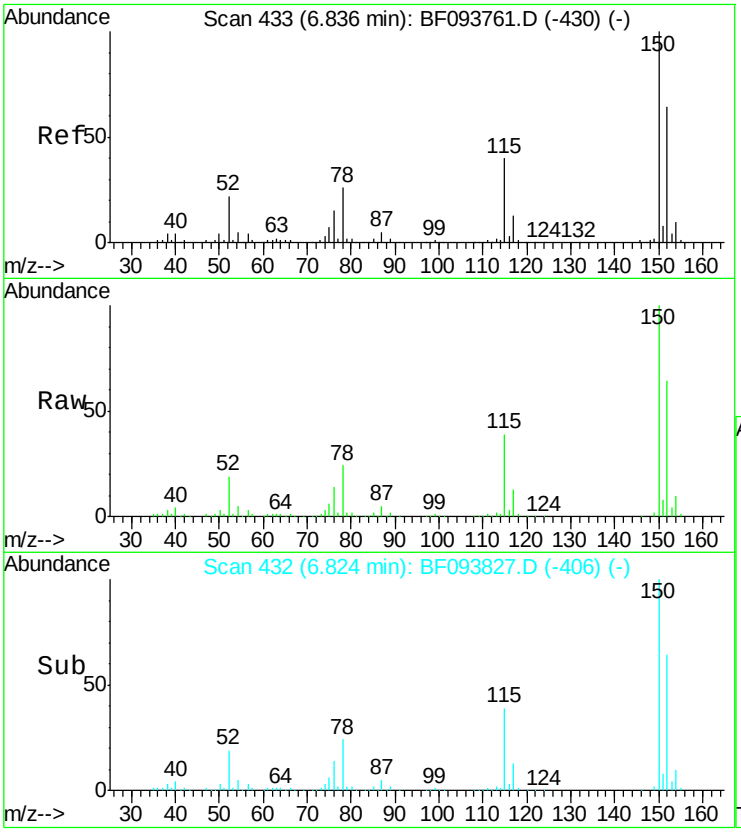
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032117\
Data File : BF093827.D
Acq On : 22 Mar 2017 10:03
Operator : SJ/MA
Sample : I2318-07DL 50X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Quant Time: Mar 22 14:51:51 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 21 14:38:20 2017
Response via : Initial Calibration



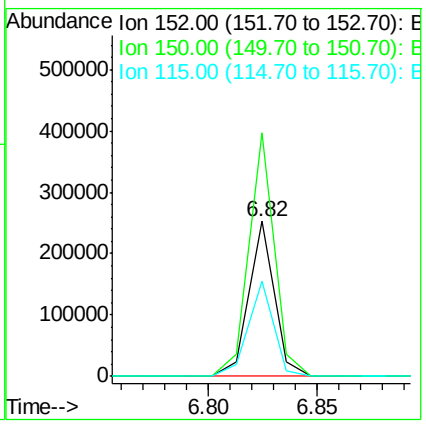


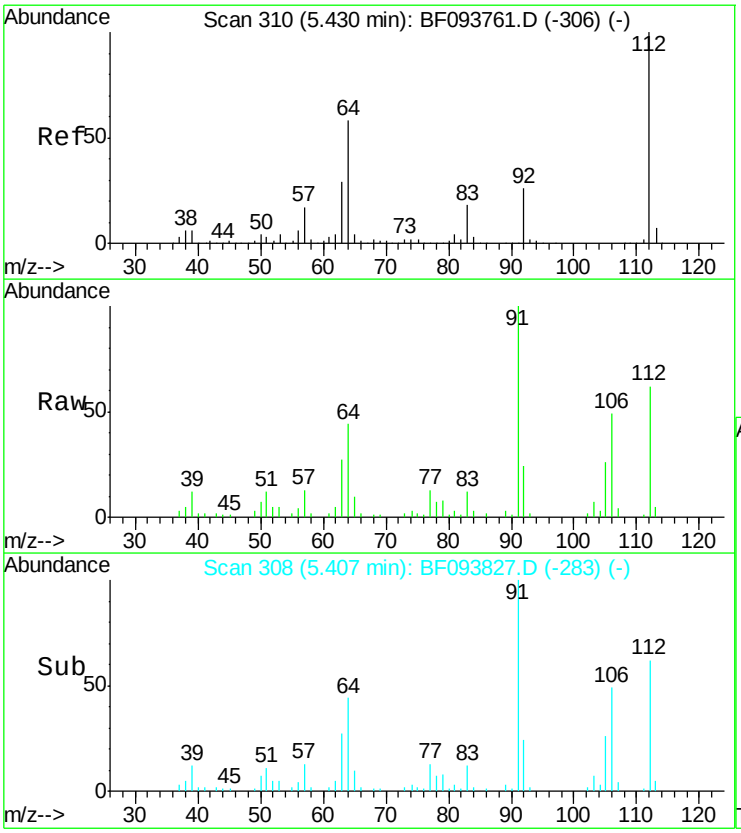
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 432
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion:152 Resp: 205739

Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.2	189.2
115	61.7	52.2	78.2

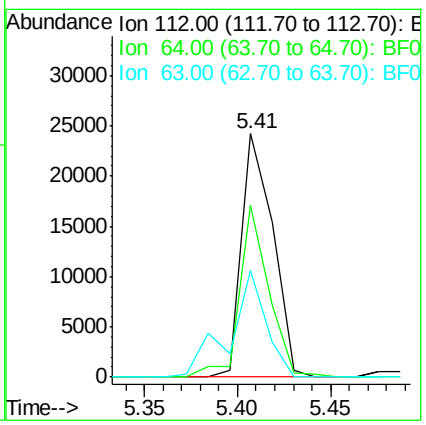


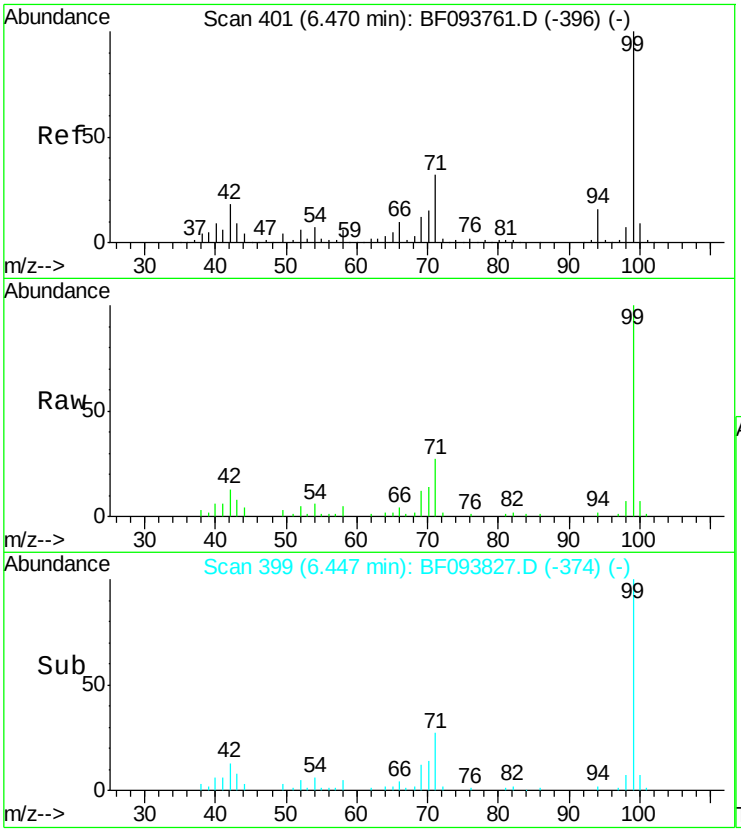


#5
2-Fluorophenol
Concen: 2.39 ng
RT: 5.41 min Scan# 308
Delta R.T. -0.01 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:112 Resp: 28105

Ion	Ratio	Lower	Upper
112	100		
64	70.6	46.0	69.0#
63	43.9	23.4	35.0#



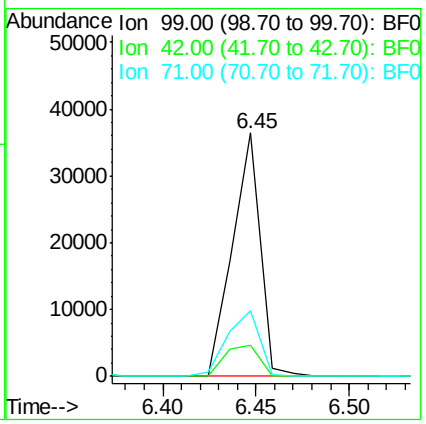


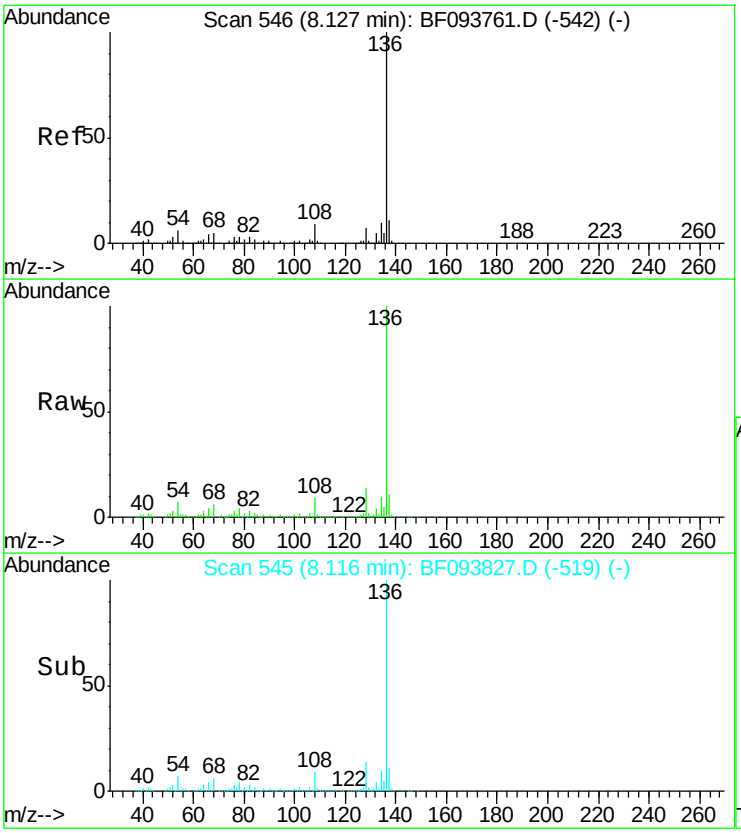
#7
Phenol-d6
Concen: 2.61 ng
RT: 6.45 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion: 99 Resp: 37992

Ion	Ratio	Lower	Upper
99	100		
42	12.8	13.5	20.3#
71	26.9	24.5	36.7

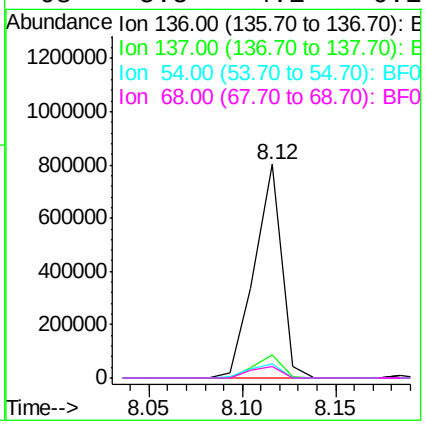


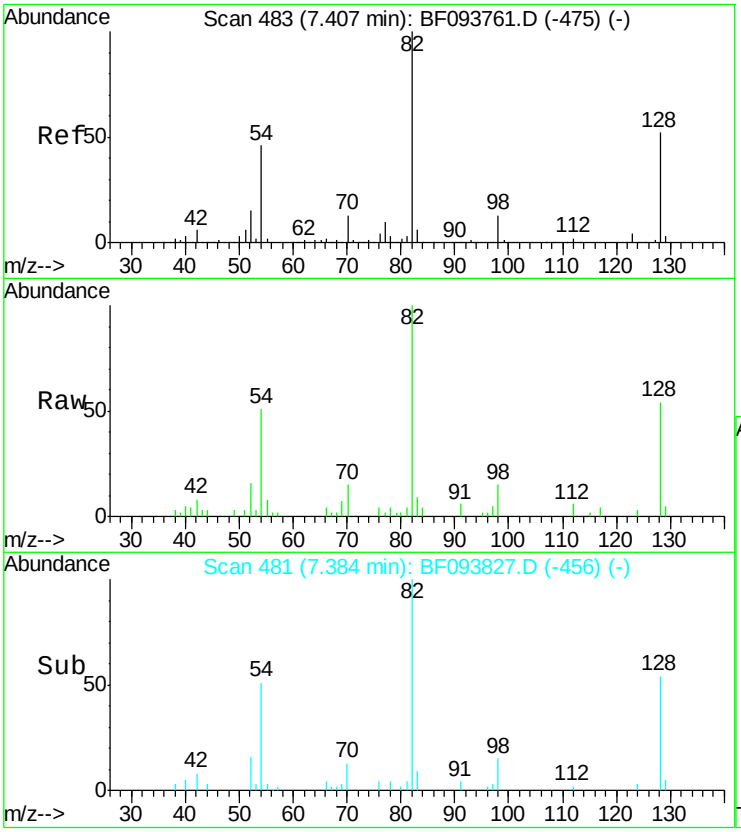


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:136 Resp: 826971

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.7	4.9	7.3
68	5.5	4.1	6.1



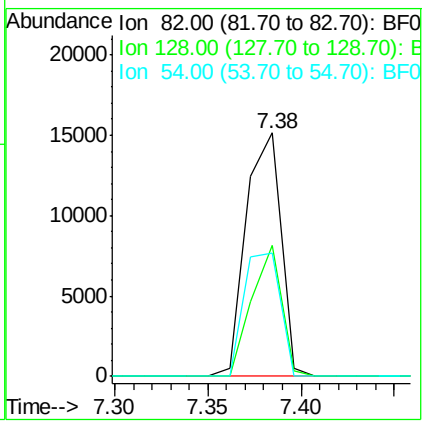


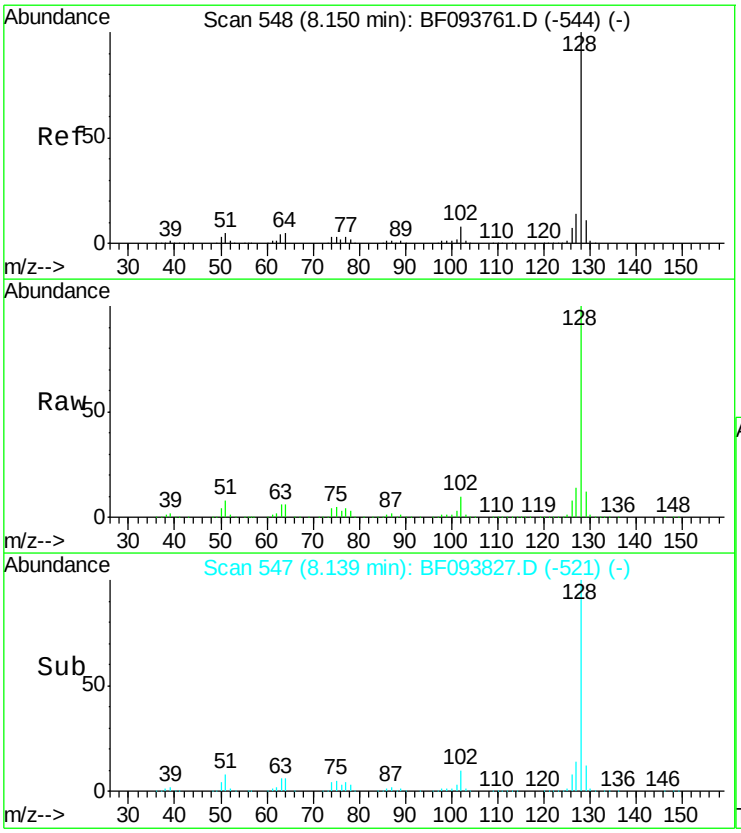
#23
Nitrobenzene-d5
Concen: 1.35 ng
RT: 7.38 min Scan# 481
Delta R.T. -0.01 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion: 82 Resp: 19639

Ion	Ratio	Lower	Upper
82	100		
128	53.6	34.0	51.0#
54	50.8	42.2	63.2

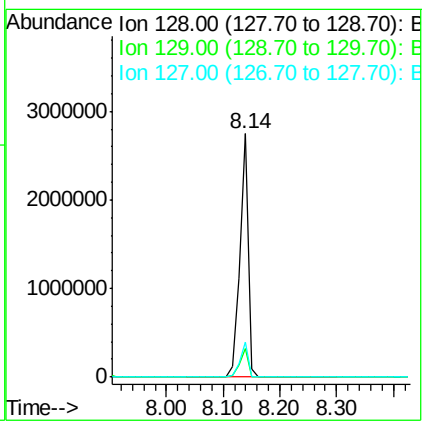


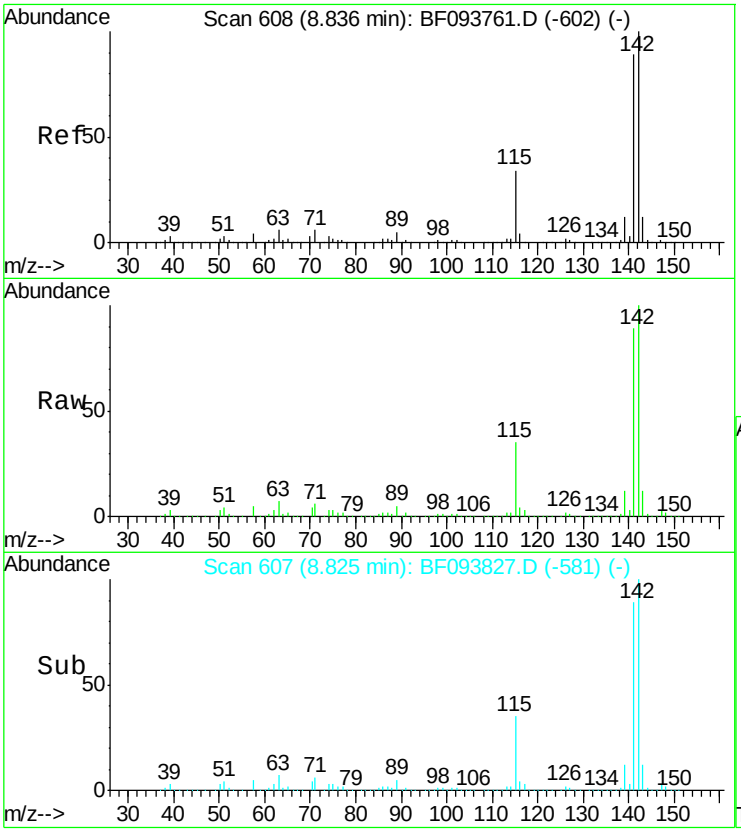


#31
Naphthalene
Concen: 73.17 ng
RT: 8.14 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:128 Resp: 2808477

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.0	13.6
127	14.3	10.8	16.2



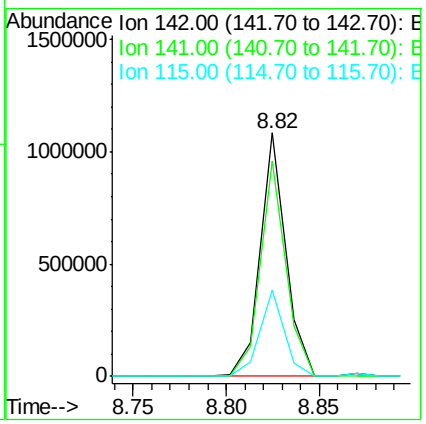


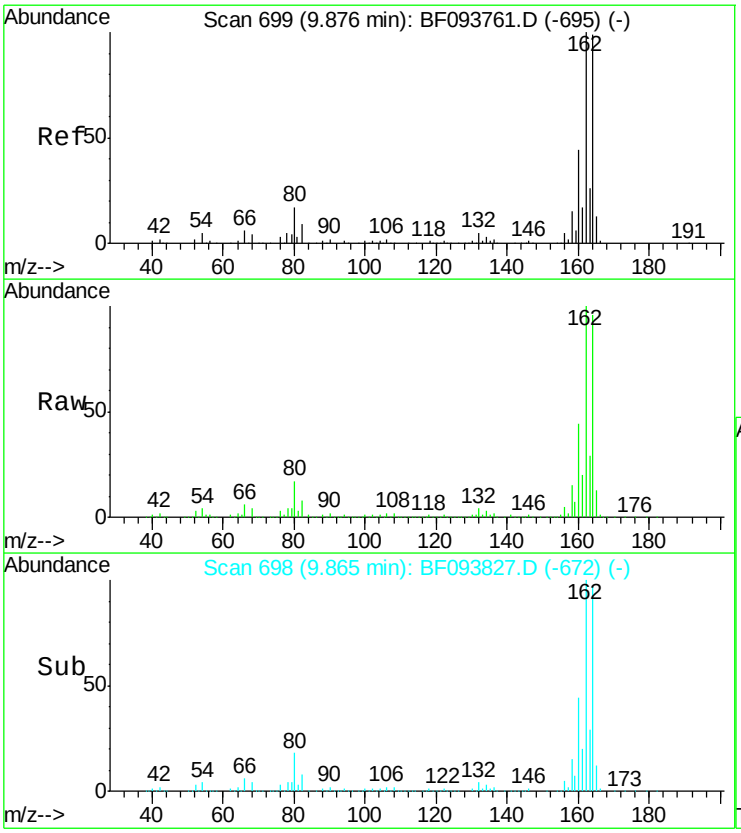
#37
2-Methylnaphthalene
Concen: 40.89 ng
RT: 8.82 min Scan# 607
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion:142 Resp: 1024571

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9
115	35.3	27.1	40.7

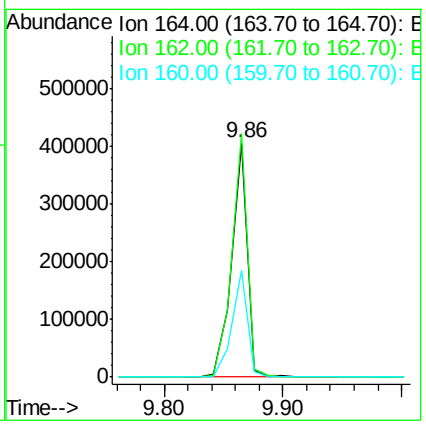


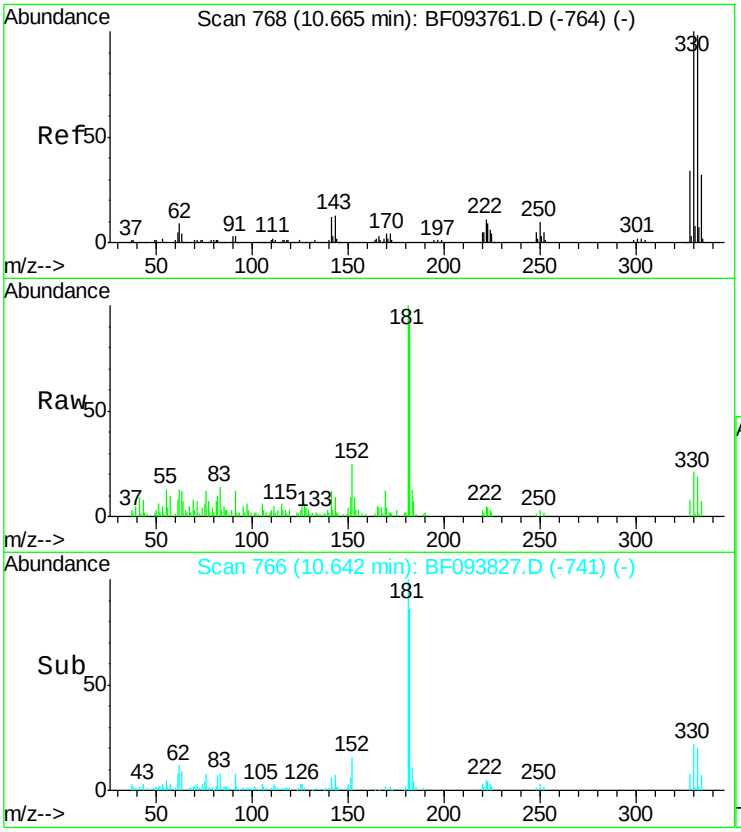


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:164 Resp: 373442

Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.6	123.8
160	45.4	36.2	54.2



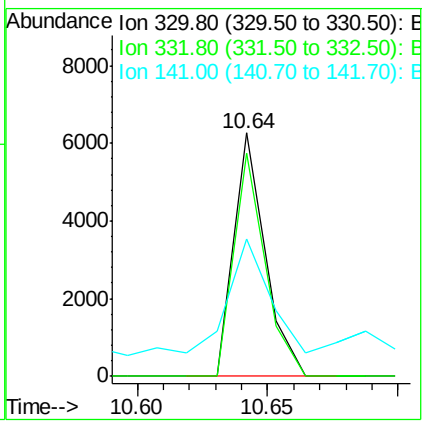


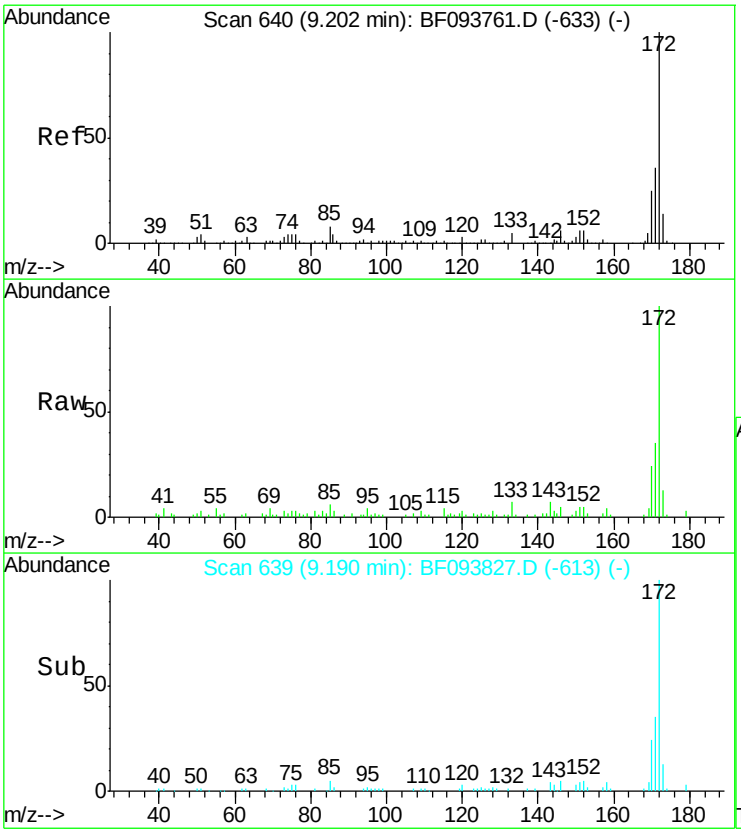
#41
2,4,6-Tribromophenol
Concen: 1.83 ng
RT: 10.64 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion:330 Resp: 5280

Ion	Ratio	Lower	Upper
330	100		
332	91.5	76.6	115.0
141	71.8	31.4	47.2#

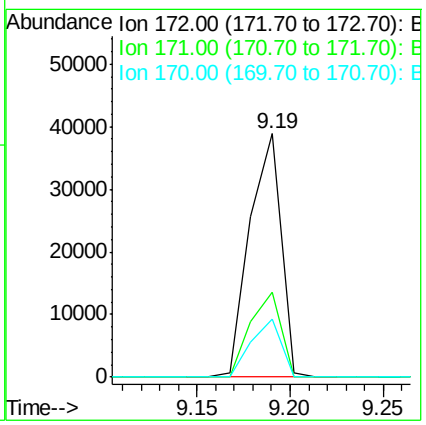


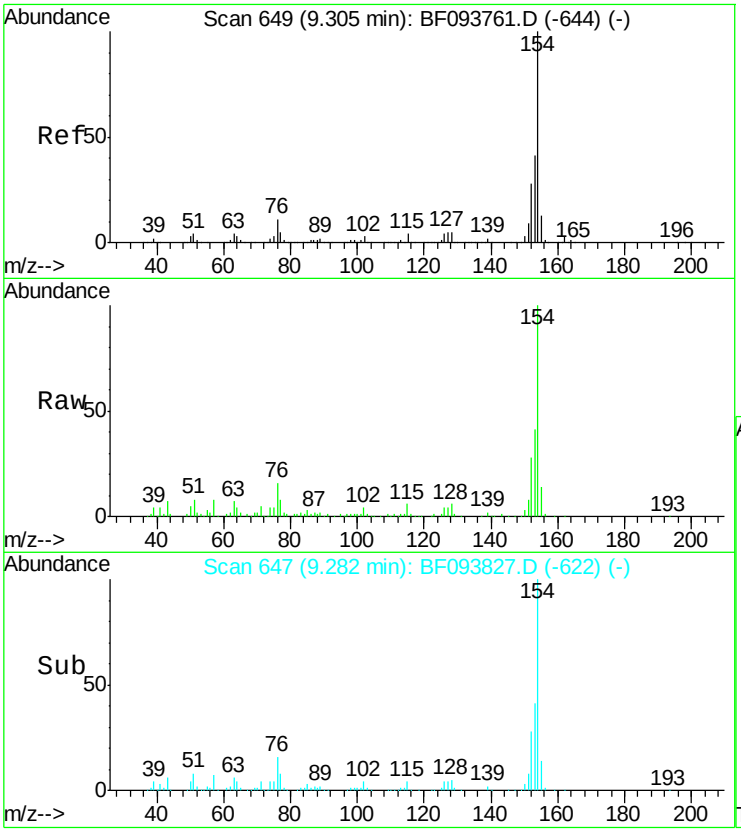


#44
2-Fluorobiphenyl
Concen: 2.04 ng
RT: 9.19 min Scan# 639
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:172 Resp: 45292

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	23.7	19.8	29.8



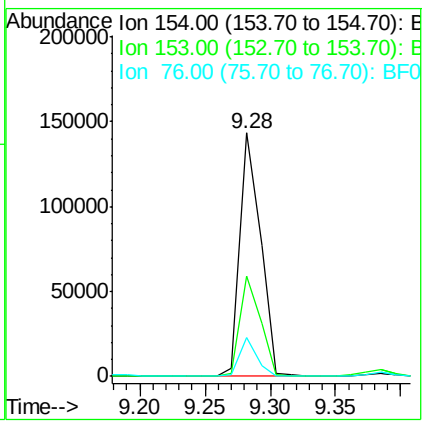


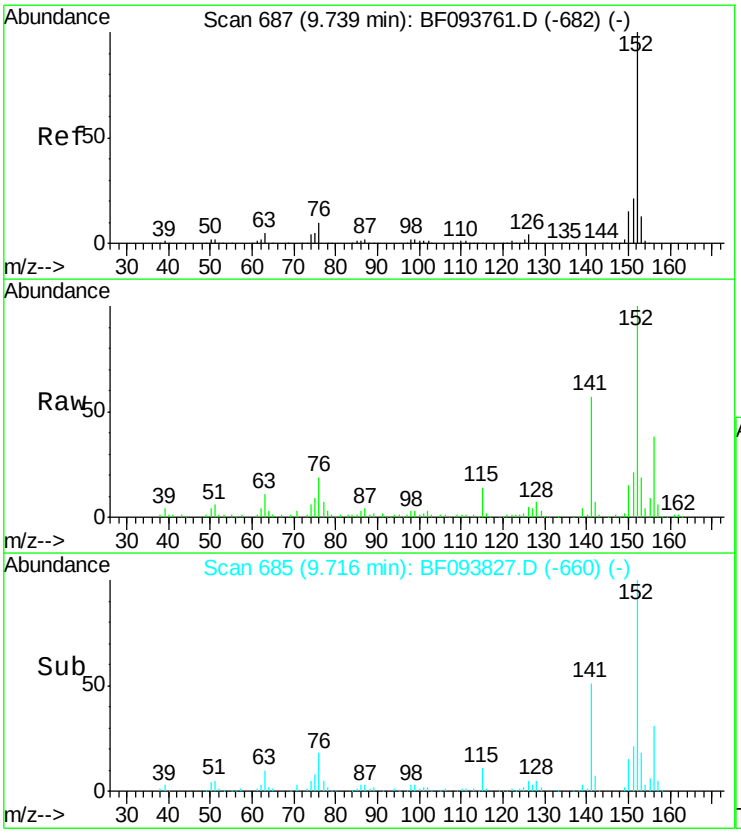
#45
1,1'-Biphenyl
Concen: 5.17 ng
RT: 9.28 min Scan# 647
Delta R.T. -0.01 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion:154 Resp: 157034

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.2	61.2
76	16.0	0.0	29.9

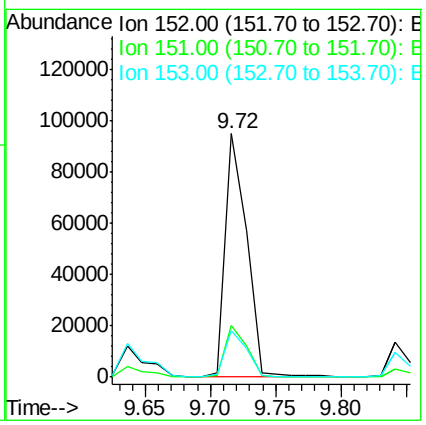


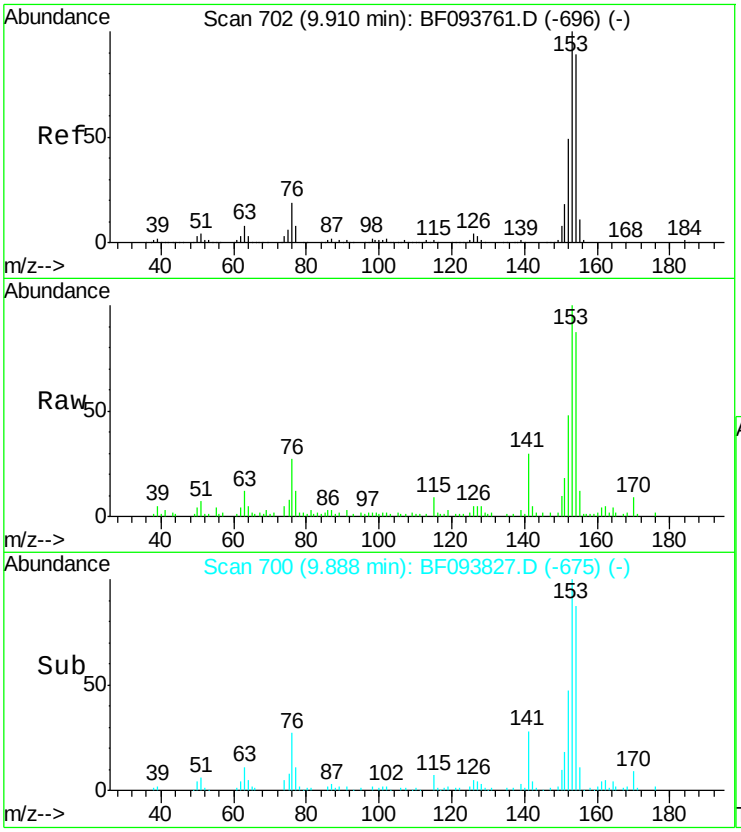


#48
Acenaphthylene
Concen: 2.88 ng
RT: 9.72 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:152 Resp: 108974

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.8	25.2
153	18.9	10.8	16.2#



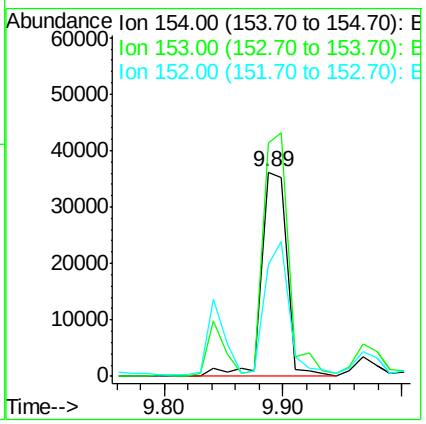


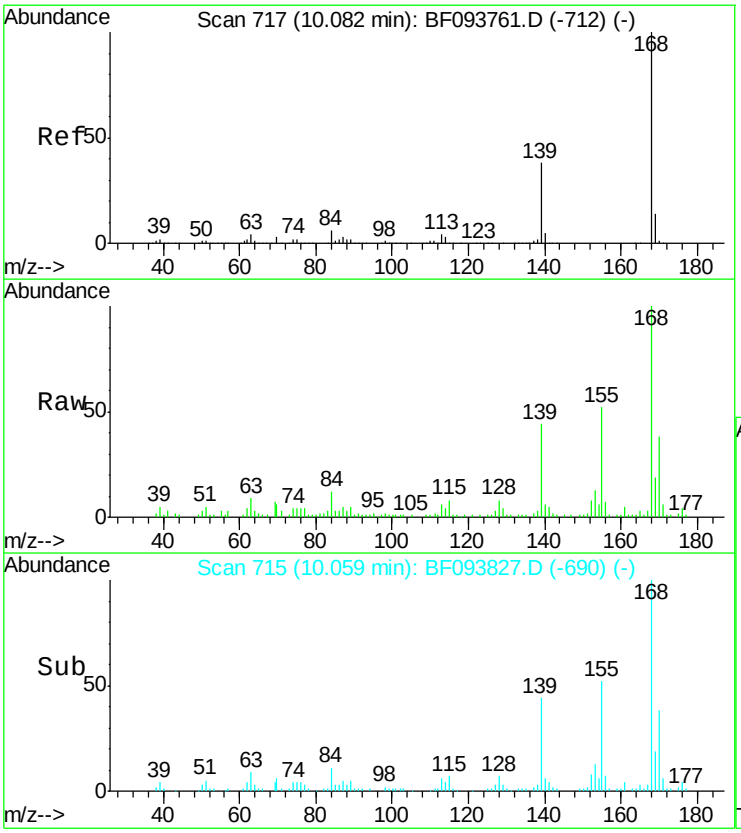
#51
Acenaphthene
Concen: 2.39 ng
RT: 9.89 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion:154 Resp: 54066

Ion	Ratio	Lower	Upper
154	100		
153	114.3	90.5	135.7
152	54.6	43.6	65.4

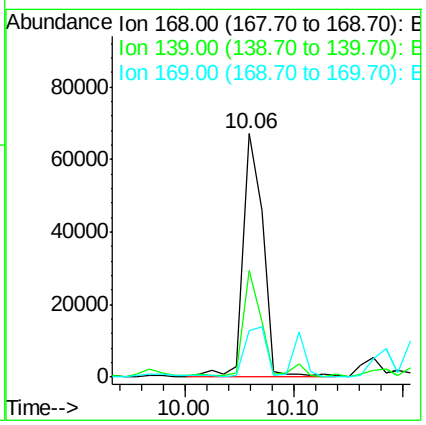


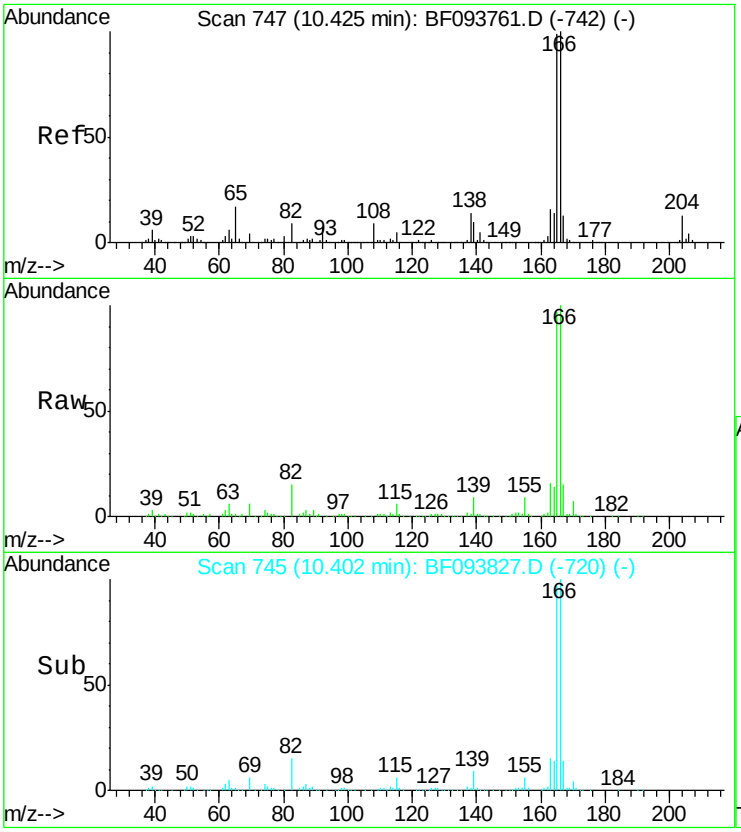


#54
Dibenzofuran
Concen: 2.81 ng
RT: 10.06 min Scan# 715
Delta R.T. -0.01 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:168 Resp: 85536

Ion	Ratio	Lower	Upper
168	100		
139	43.9	30.6	45.8
169	19.1	10.8	16.2#



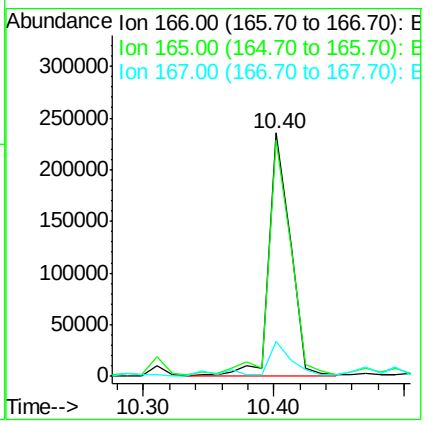


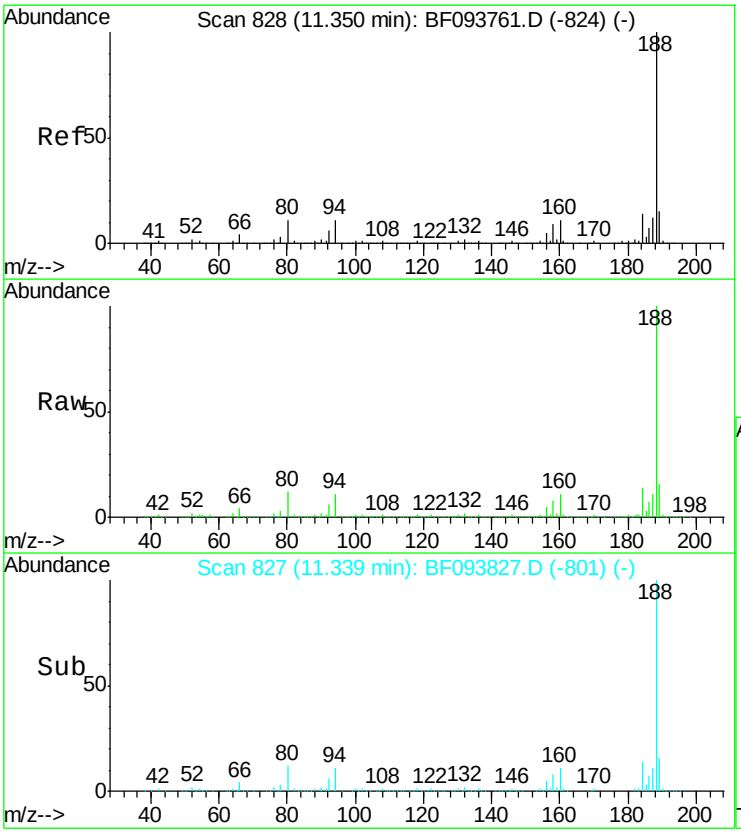
#57
Fluorene
Concen: 11.55 ng
RT: 10.40 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion:166 Resp: 269192

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.8	118.2
167	14.6	10.6	16.0

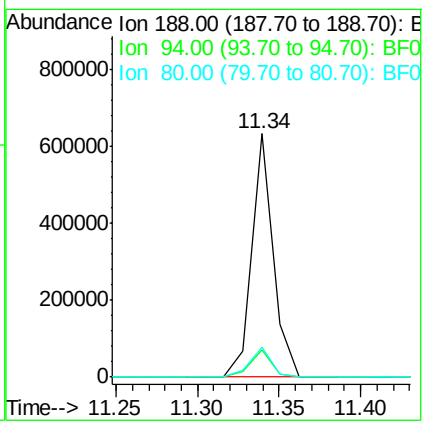


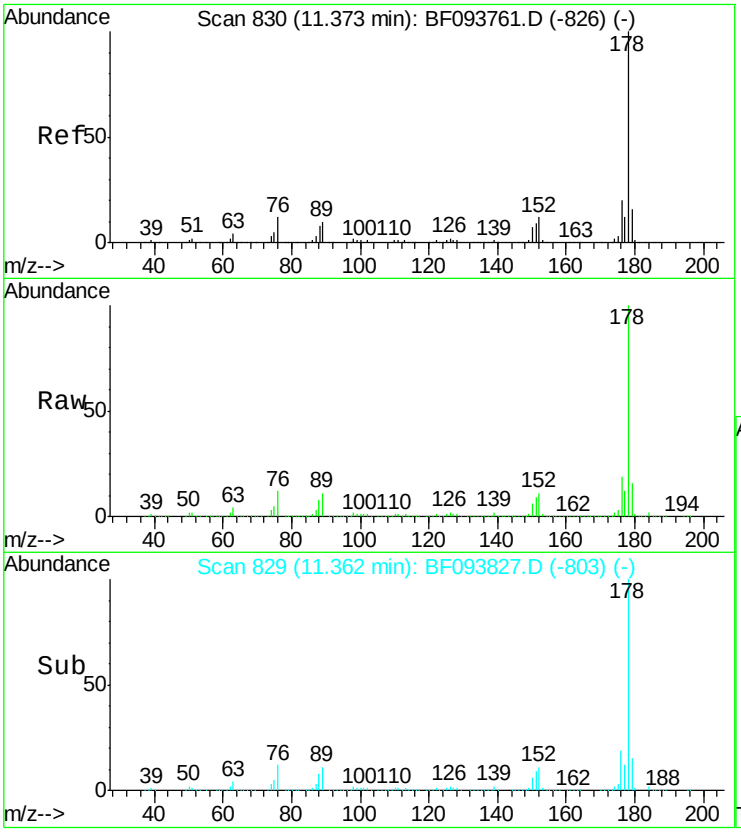


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 827
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:188 Resp: 580188

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	12.4	10.2	15.2



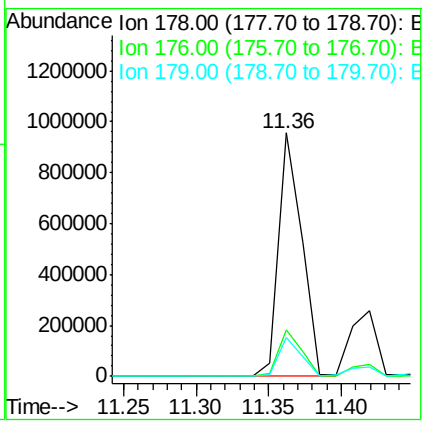


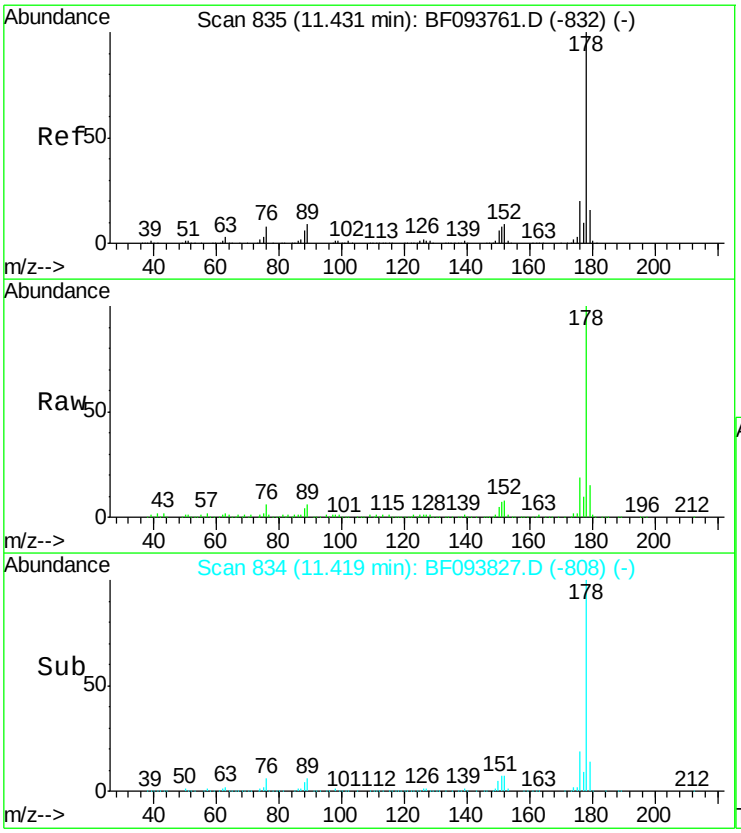
#70
Phenanthrene
Concen: 34.31 ng
RT: 11.36 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion:178 Resp: 1060240

Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.7	12.6	19.0

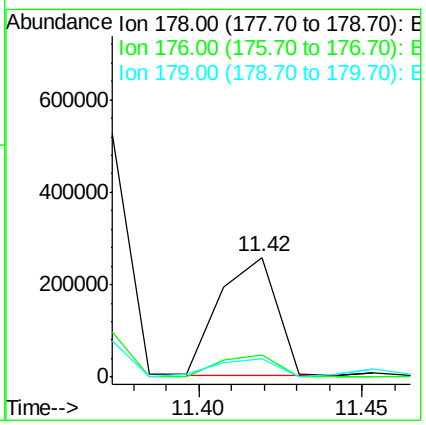


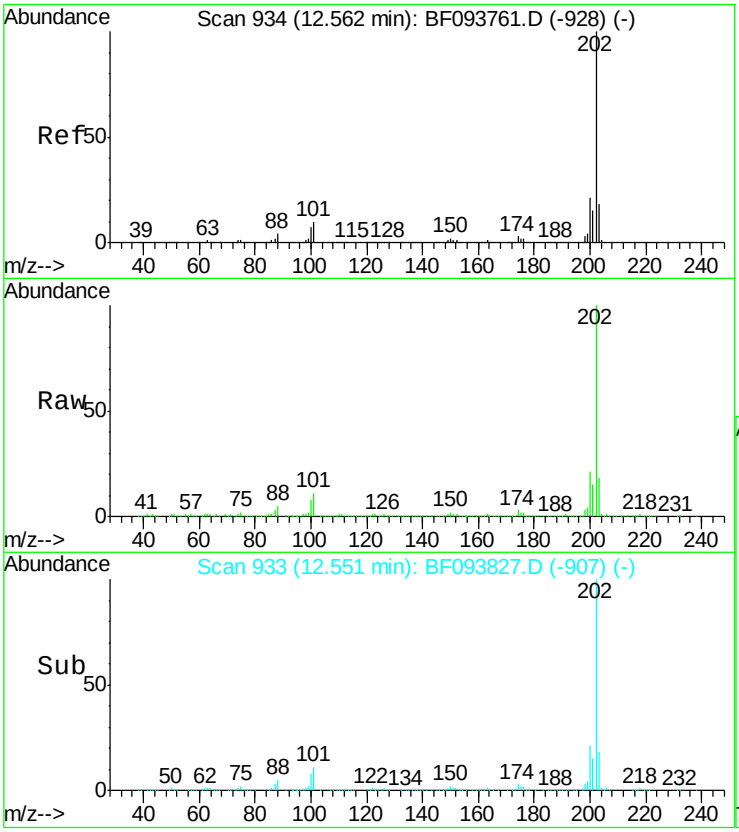


#71
Anthracene
Concen: 9.69 ng
RT: 11.42 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:178 Resp: 308297

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	14.8	12.7	19.1



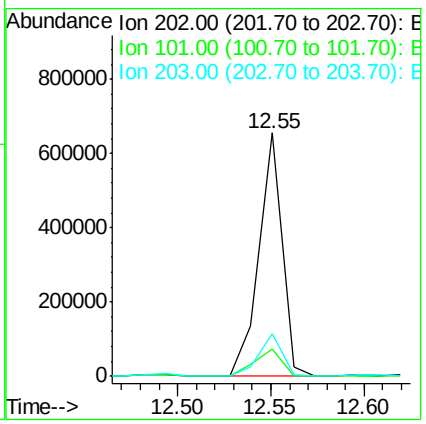


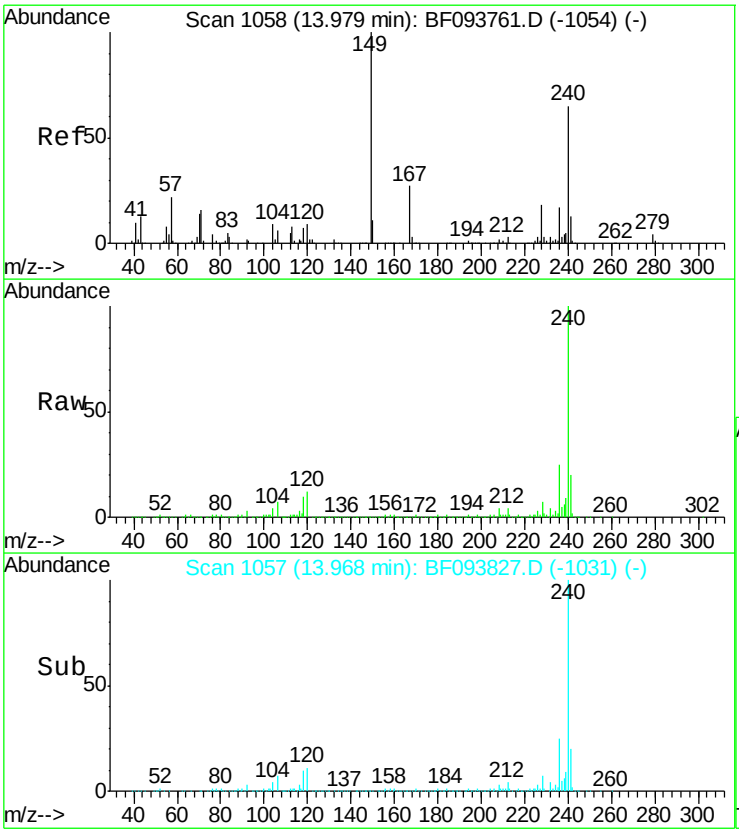
#74
Fluoranthene
Concen: 17.58 ng
RT: 12.55 min Scan# 933
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion:202 Resp: 558293

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.2
203	17.6	0.0	38.1

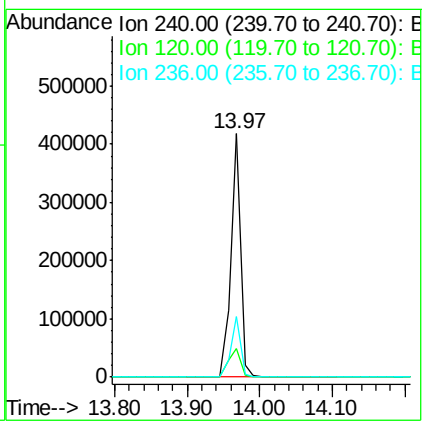


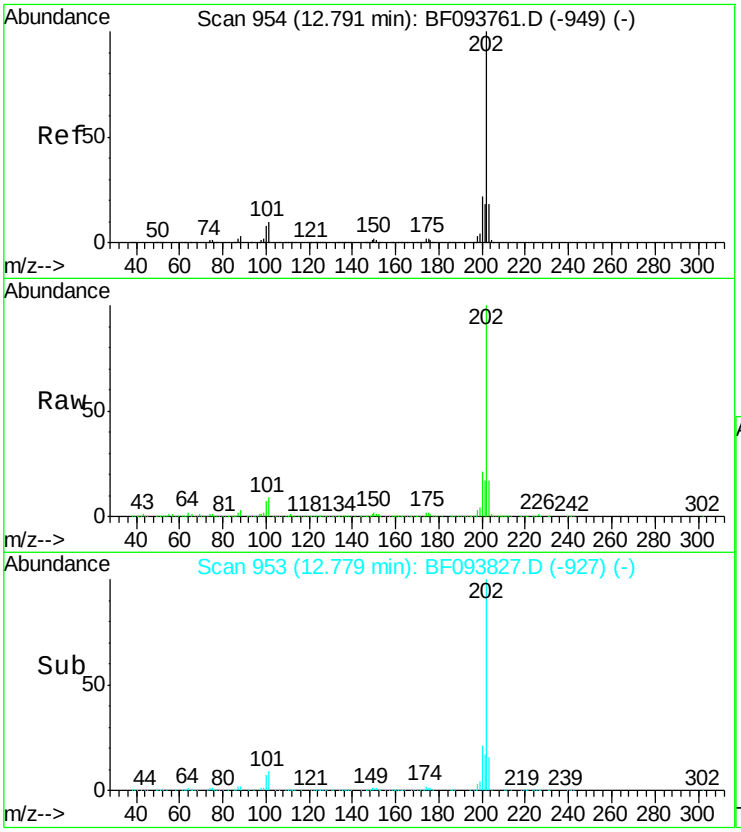


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:240 Resp: 387957

Ion	Ratio	Lower	Upper
240	100		
120	11.5	5.8	8.8#
236	24.9	20.5	30.7



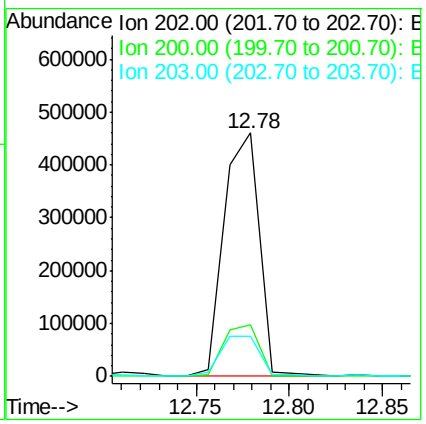


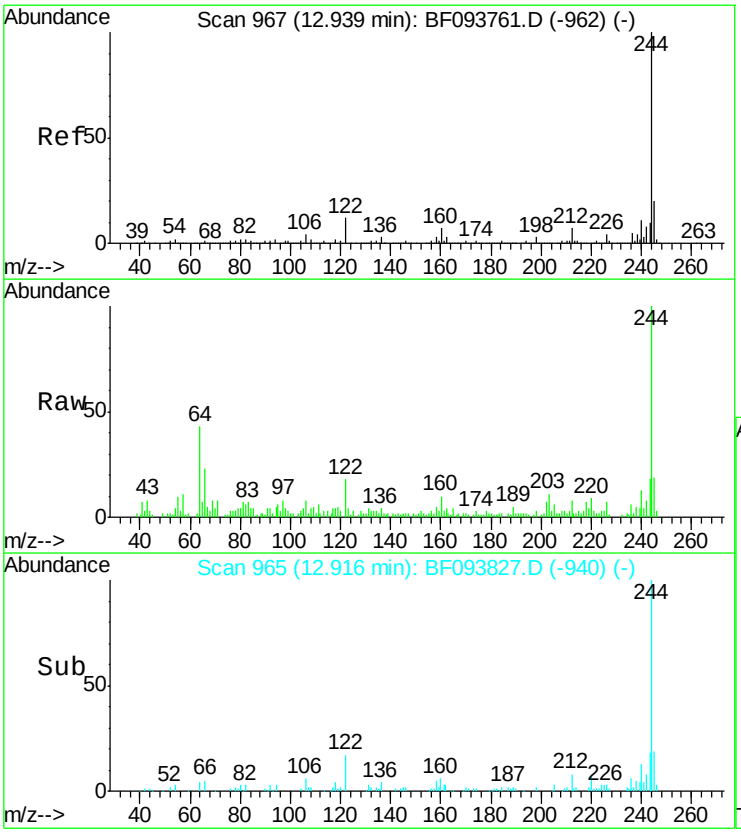
#77
Pyrene
Concen: 18.78 ng
RT: 12.78 min Scan# 953
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion:202 Resp: 606436

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	16.5	14.4	21.6

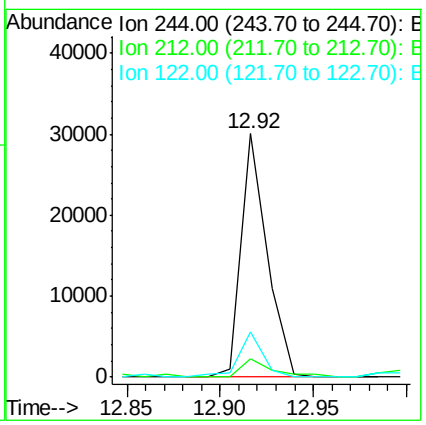


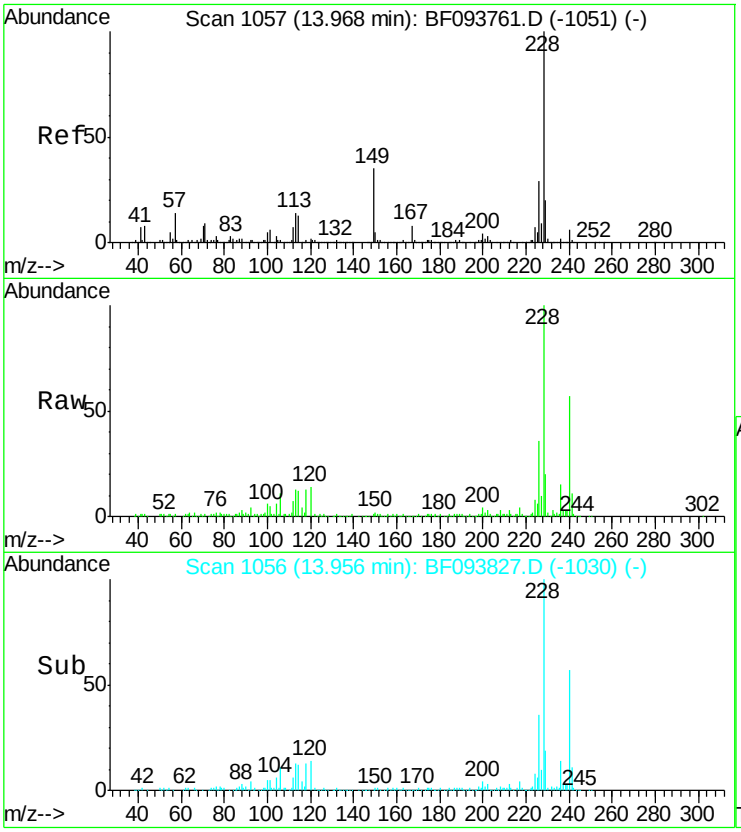


#78
Terphenyl-d14
Concen: 1.53 ng
RT: 12.92 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:244 Resp: 29079

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	18.3	10.3	15.5#



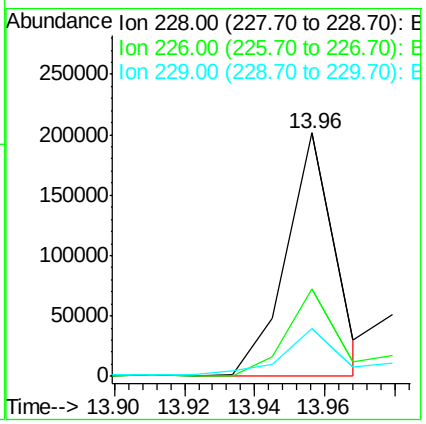


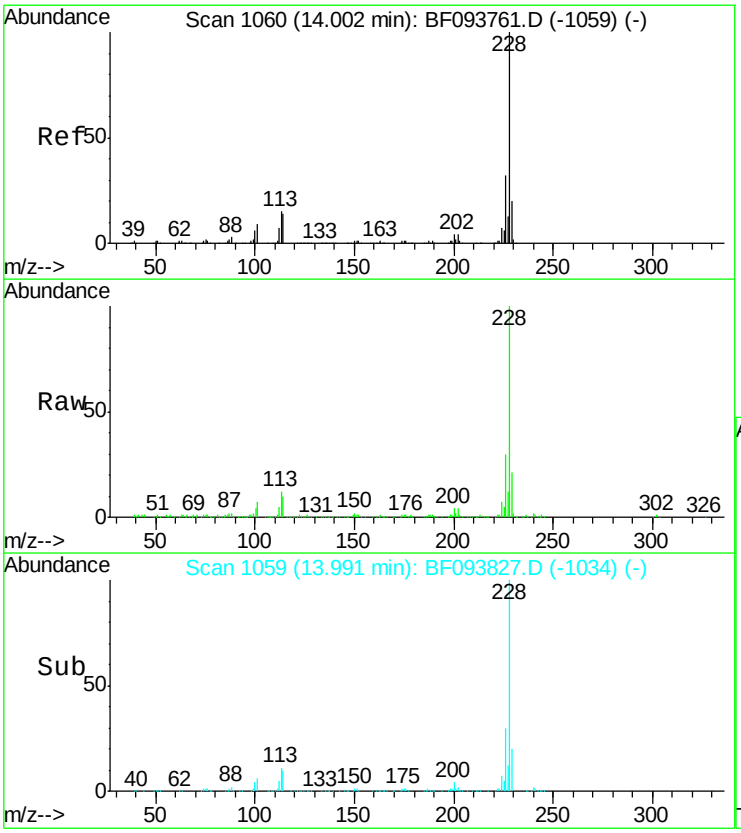
#80
Benzo(a)anthracene
Concen: 7.93 ng m
RT: 13.96 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion:228 Resp: 192791

Ion	Ratio	Lower	Upper
228	100		
226	35.7	22.6	33.8#
229	19.8	16.3	24.5

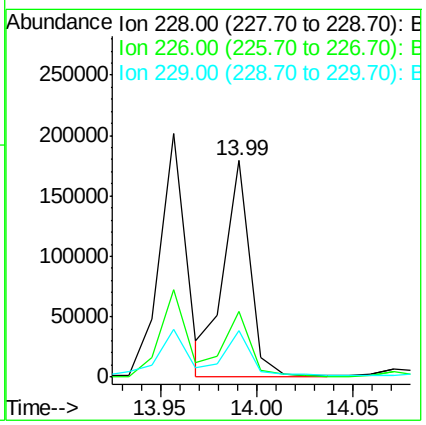


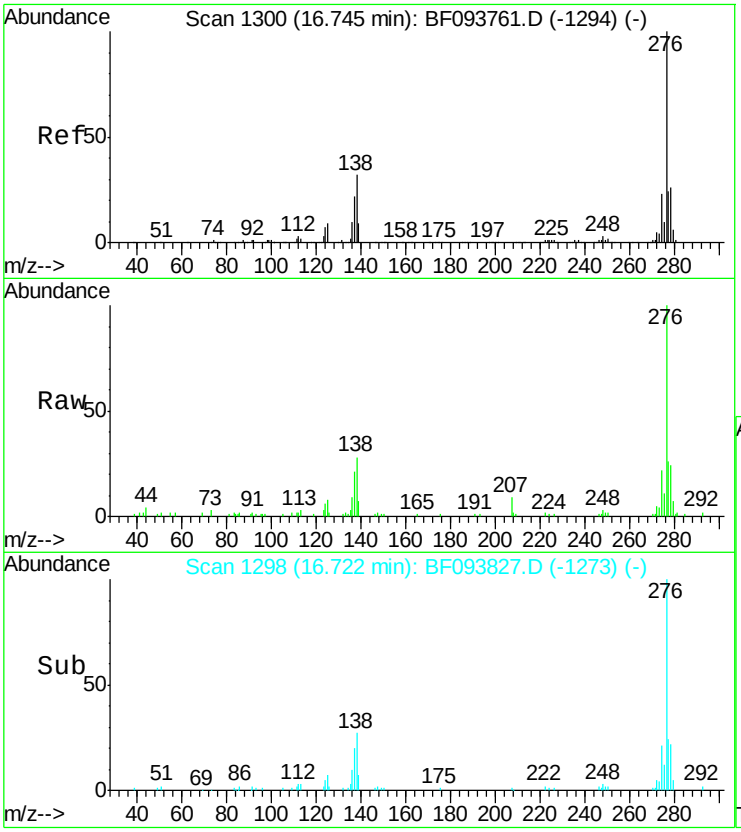


#82
Chrysene
Concen: 7.11 ng m
RT: 13.99 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:228 Resp: 172680

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	21.5	15.8	23.6



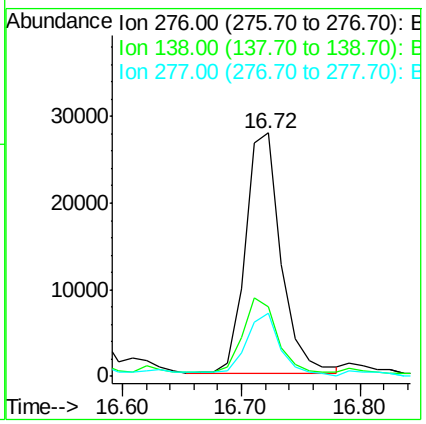


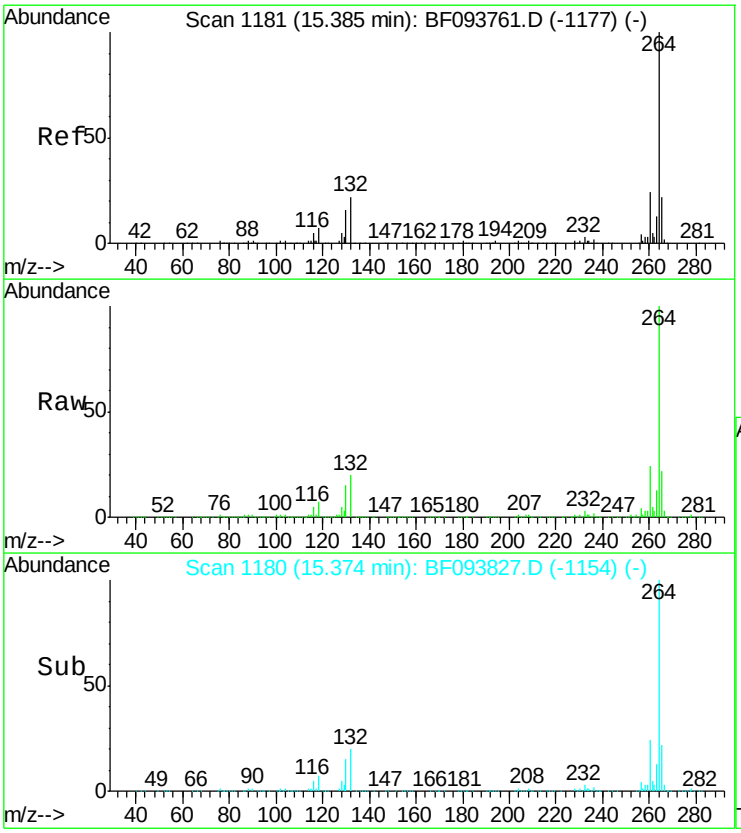
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.94 ng
RT: 16.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion:276 Resp: 58471

Ion	Ratio	Lower	Upper
276	100		
138	32.7	27.8	41.6
277	26.2	20.2	30.4

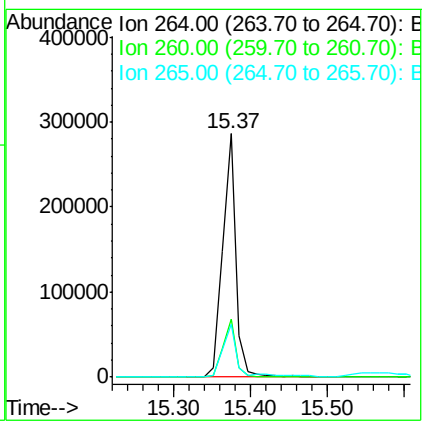


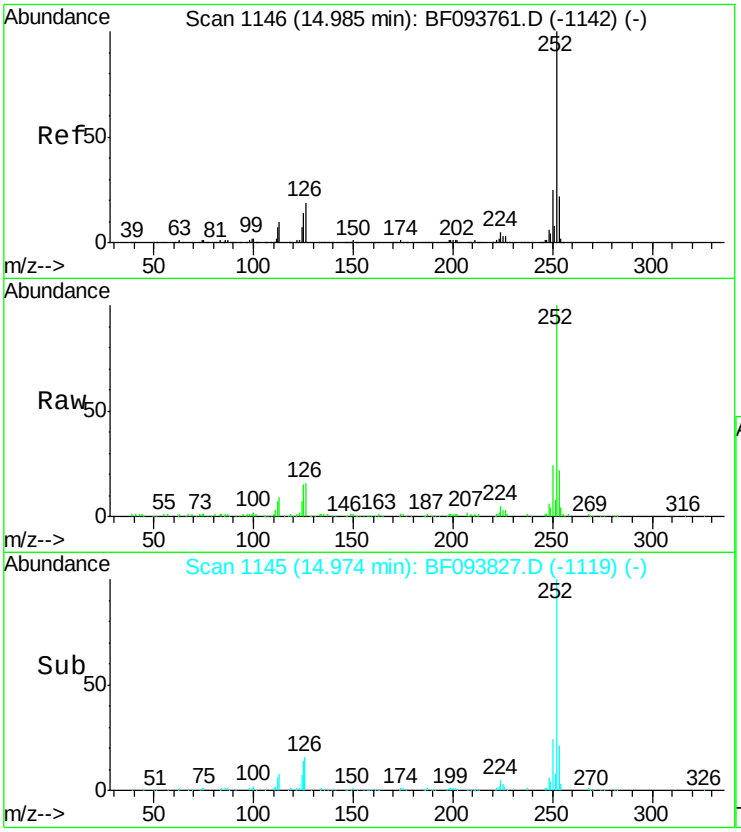


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:264 Resp: 351893

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.0	17.2	25.8



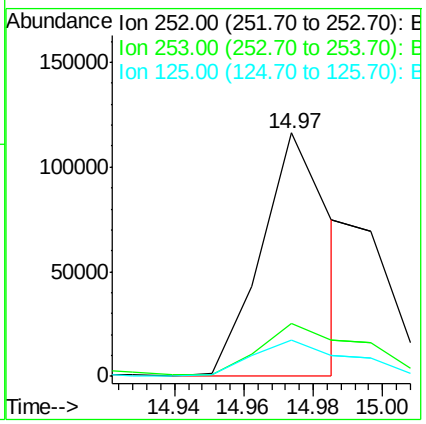


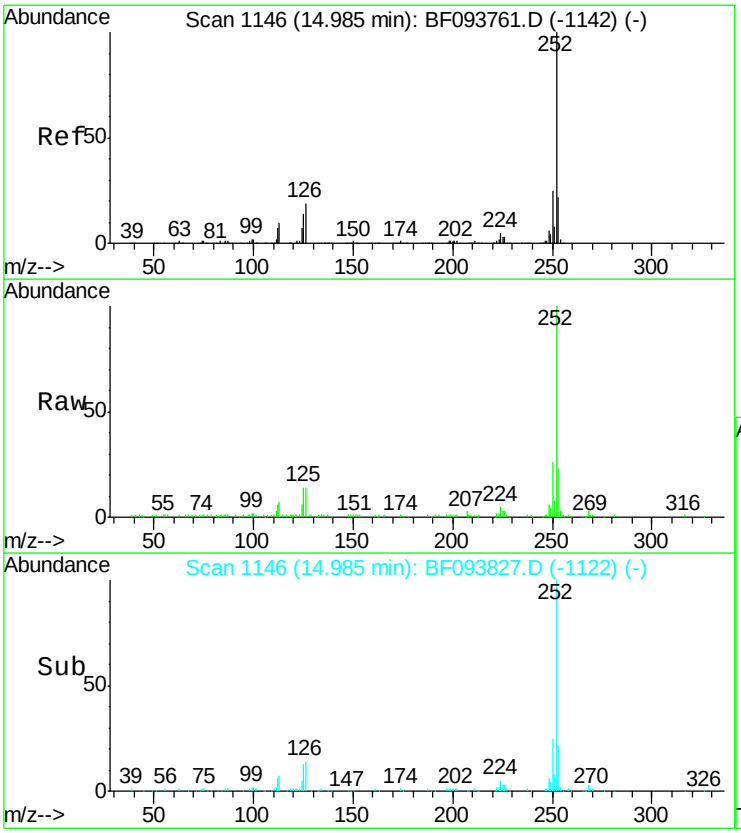
#87
Benzo(b)fluoranthene
Concen: 6.82 ng m
RT: 14.97 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion:252 Resp: 161871

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	14.6	9.8	14.8

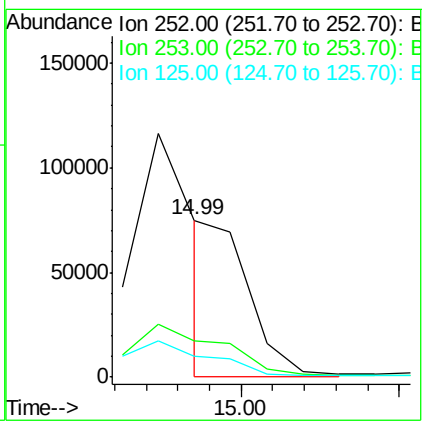


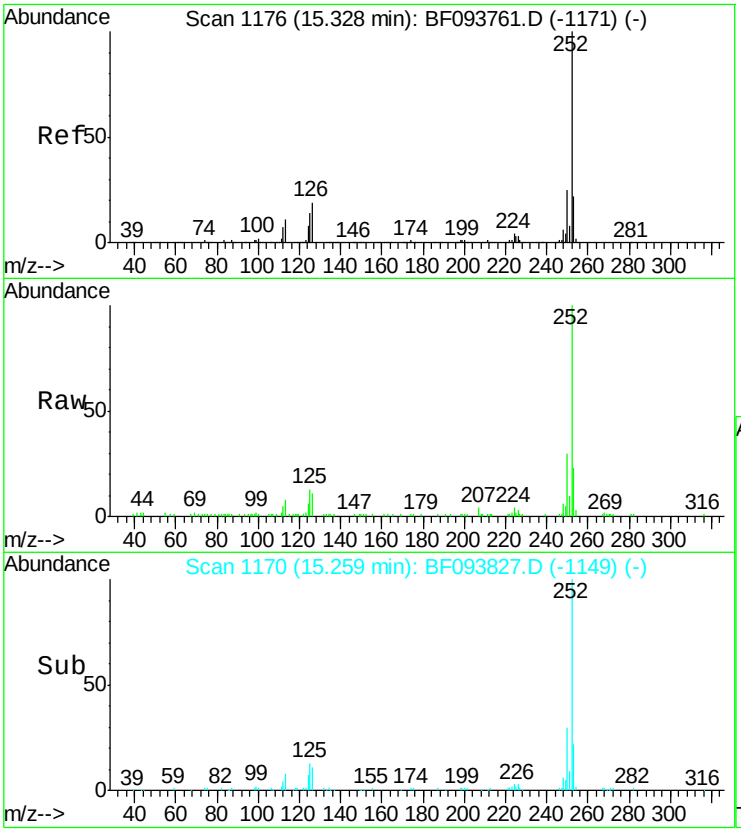


#88
Benzo(k)fluoranthene
Concen: 3.52 ng m
RT: 14.99 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:252 Resp: 61641

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	13.5	13.1	19.7



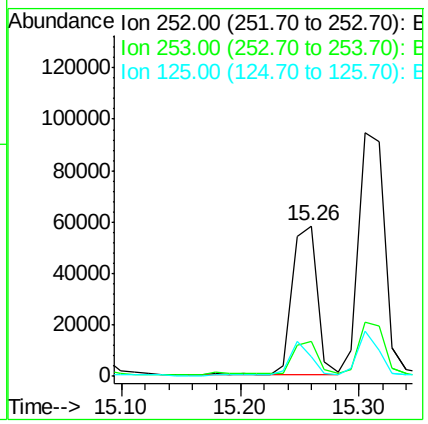


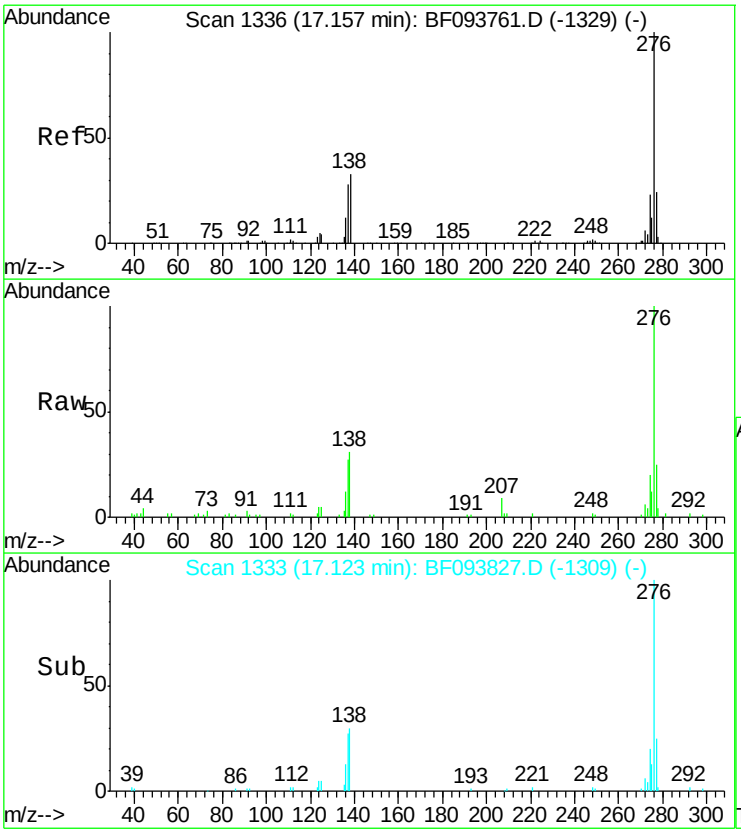
#89
Benzo(a)pyrene
Concen: 4.37 ng
RT: 15.26 min Scan# 1170
Delta R.T. -0.06 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Instrument :
BNA_F
ClientSampleId :
HP-PW-01DL

Tgt Ion:252 Resp: 84076

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	13.3	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 3.62 ng
RT: 17.12 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF093827.D
Acq: 22 Mar 2017 10:03

Tgt Ion:276 Resp: 57339

Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	30.8	25.4	38.0