Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032117\
Data File : BF093828.D
Acq On : 22 Mar 2017 10:30
Operator : SJ/MA
Sample : I2318-09DL 50X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-PW-02DL

Quant Time: Mar 22 14:57:38 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	200883	20.00	ng		0.00
21) Naphthalene-d8	8.12	136	805464	20.00	ng		0.00
38) Acenaphthene-d10	9.86	164	371882	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	568717	20.00	ng		0.00
75) Chrysene-d12	13.97	240	377286	20.00	ng		0.00
86) Perylene-d12	15.37	264	345650	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	27762	2.42	ng		-0.01
7) Phenol-d6	6.45	99	35966	2.53	ng		-0.01
23) Nitrobenzene-d5	7.38	82	19511	1.37	ng		-0.01
41) 2,4,6-Tribromophenol	10.64	330	5051	1.75	ng		-0.01
44) 2-Fluorobiphenyl	9.19	172	43768	1.98	ng		0.00
78) Terphenyl-d14	12.92	244	28519	1.54	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.14	128	2748800	73.52	ng		99
37) 2-Methylnaphthalene	8.82	142	954651	39.12	ng		99
45) 1,1'-Biphenyl	9.28	154	142909	4.73	ng		95
48) Acenaphthylene	9.72	152	102090	2.71	ng	#	94
51) Acenaphthene	9.89	154	50311	2.23	ng		94
54) Dibenzofuran	10.06	168	72769	2.40	ng	#	87
57) Fluorene	10.40	166	248993	10.73	ng		99
70) Phenanthrene	11.36	178	946646	31.25	ng		99
71) Anthracene	11.42	178	258041	8.28	ng		96
74) Fluoranthene	12.55	202	477362	15.33	ng		96
77) Pyrene	12.77	202	563588	17.95	ng		98
80) Benzo(a)anthracene	13.96	228	172563m	7.30	ng		
82) Chrysene	13.99	228	153316m	6.49	ng		
85) Indeno(1,2,3-cd)pyrene	16.72	276	56543	2.92	ng		93
87) Benzo(b)fluoranthene	14.97	252	143639m	6.16	ng		
88) Benzo(k)fluoranthene	14.99	252	56509m	3.28	ng		
91) Benzo(g,h,i)perylene	17.12	276	53632	3.44	ng		95

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

Quantitation Report (QT Reviewed)

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Acq On : 22 Mar 2017 10:30
Operator : SJ/MA
Sample : I2318-09DL 50X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
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HP-PW-02DL

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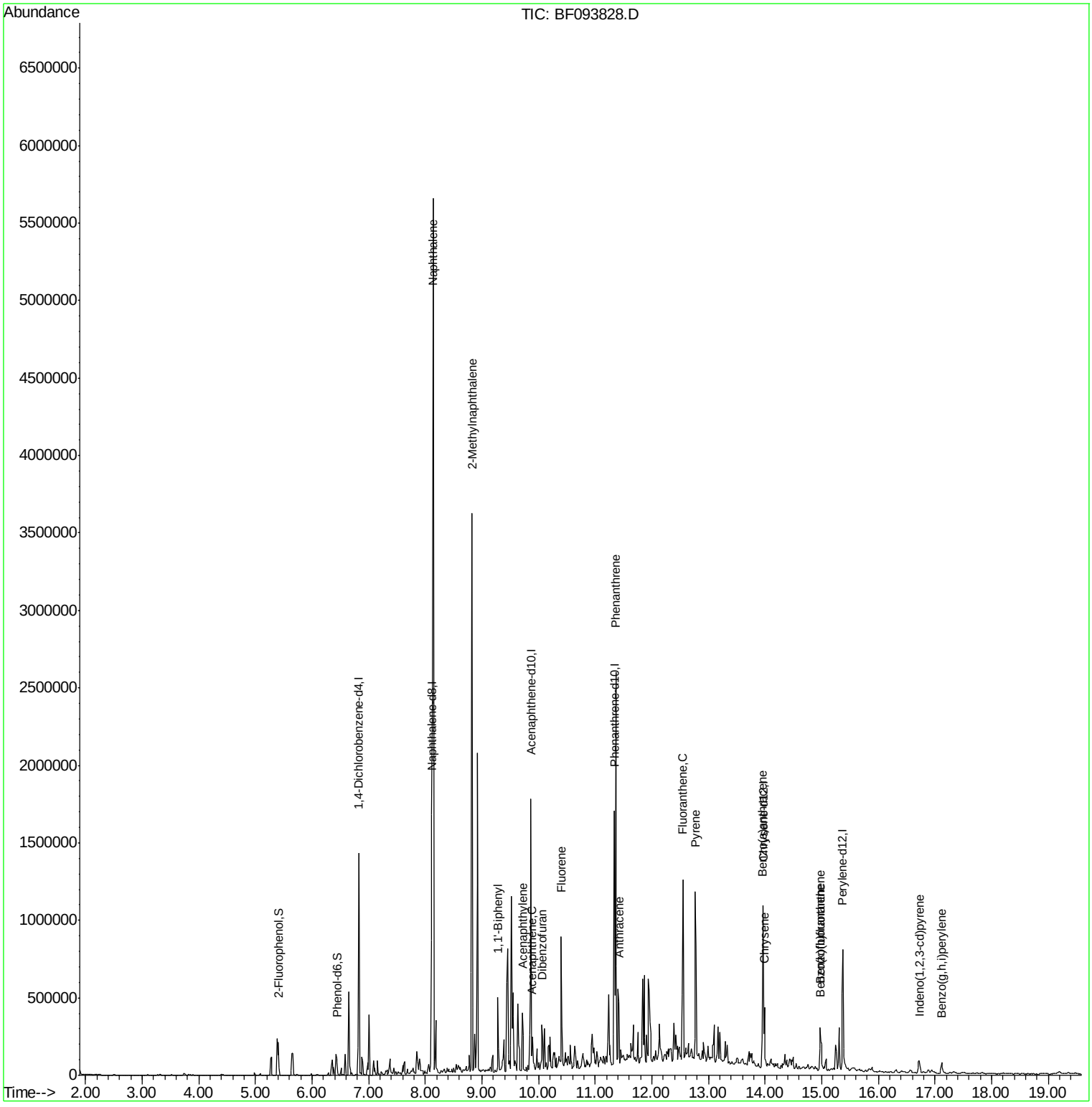
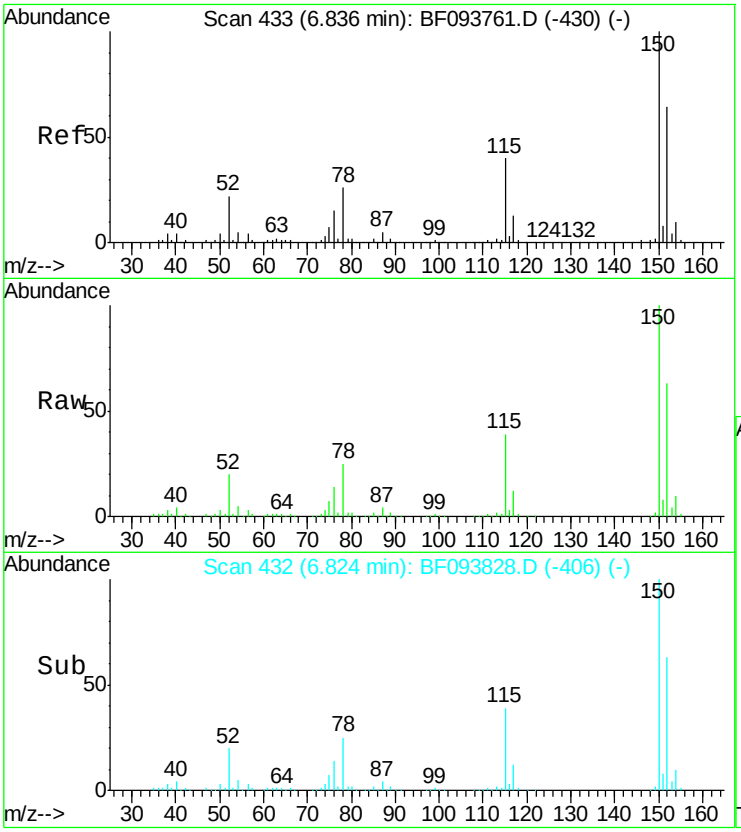


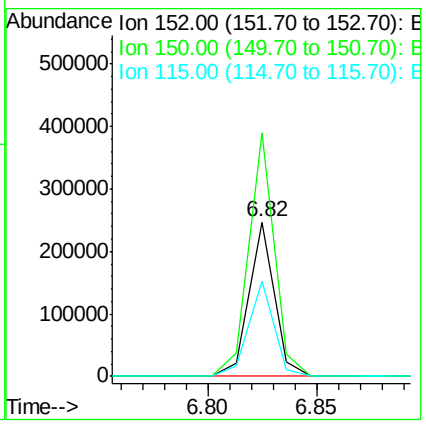


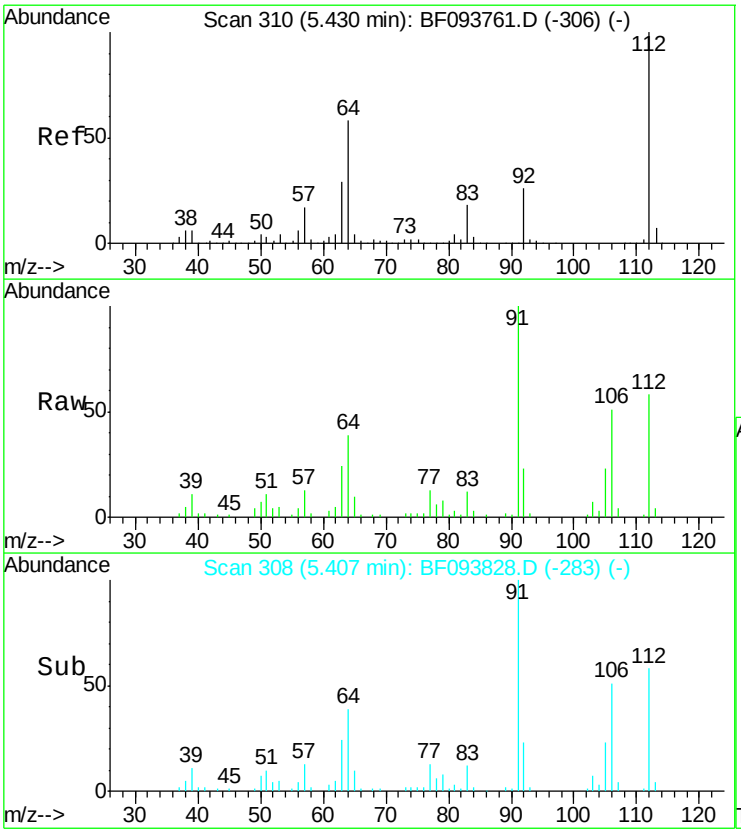
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 432
Delta R.T. -0.00 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion:152 Resp: 200883

Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.2	189.2
115	61.4	52.2	78.2

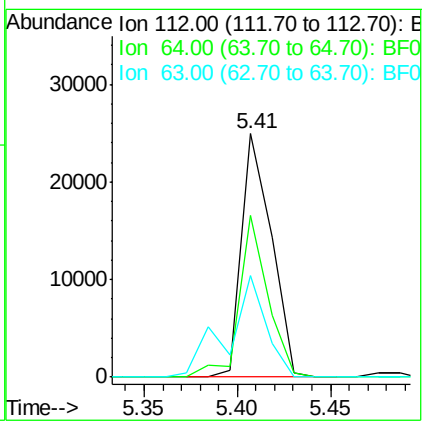


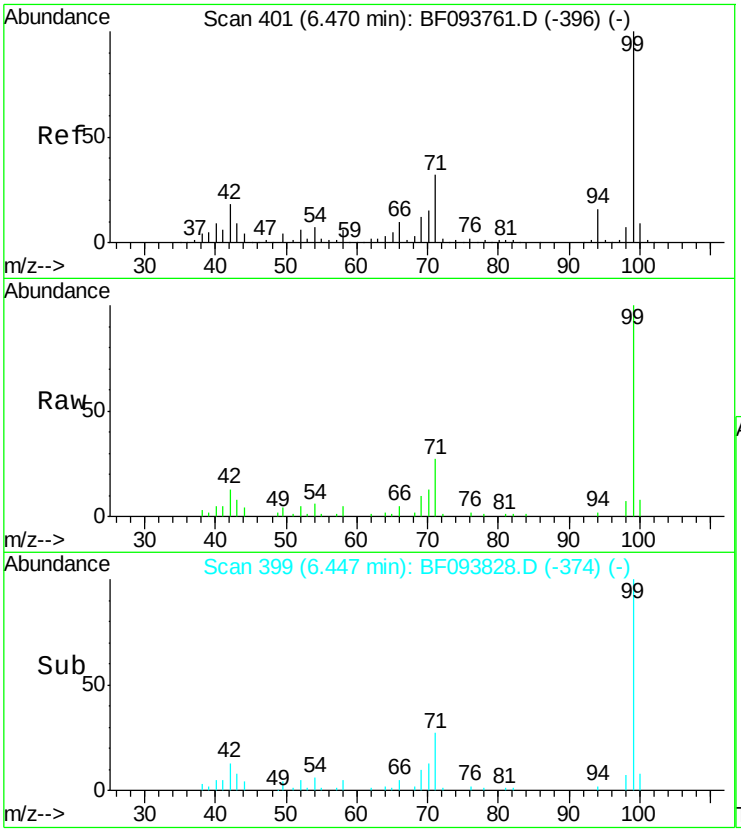


#5
2-Fluorophenol
Concen: 2.42 ng
RT: 5.41 min Scan# 308
Delta R.T. -0.01 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Tgt Ion:112 Resp: 27762

Ion	Ratio	Lower	Upper
112	100		
64	66.6	46.0	69.0
63	41.6	23.4	35.0#



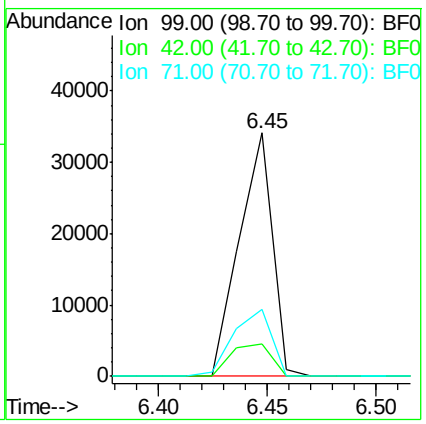


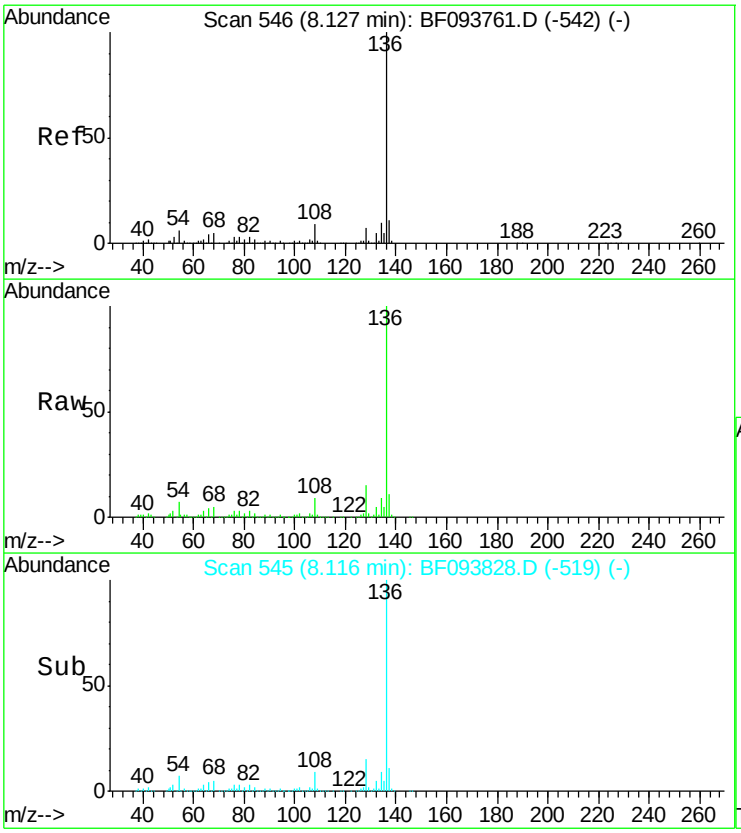
#7
Phenol-d6
Concen: 2.53 ng
RT: 6.45 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion: 99 Resp: 35966

Ion	Ratio	Lower	Upper
99	100		
42	13.2	13.5	20.3#
71	27.3	24.5	36.7

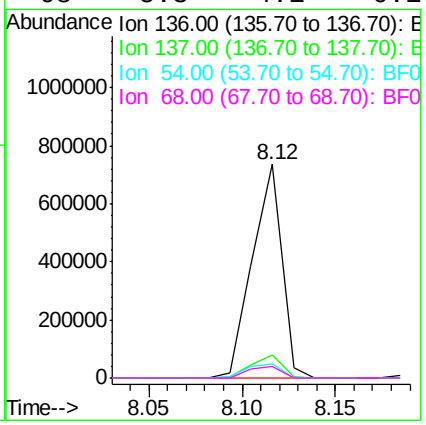


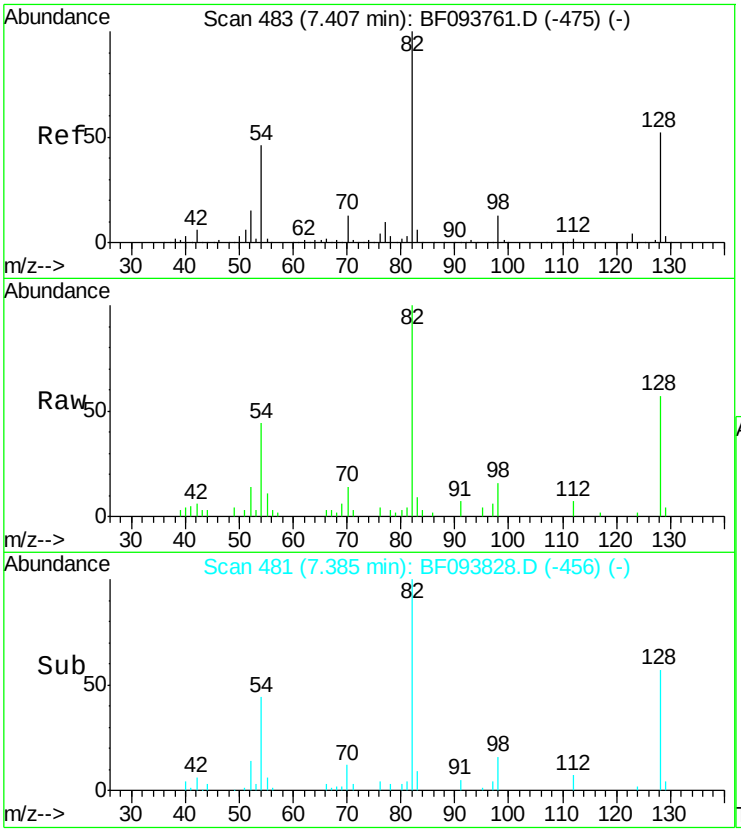


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Tgt Ion:136 Resp: 805464

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	6.5	4.9	7.3
68	5.3	4.1	6.1



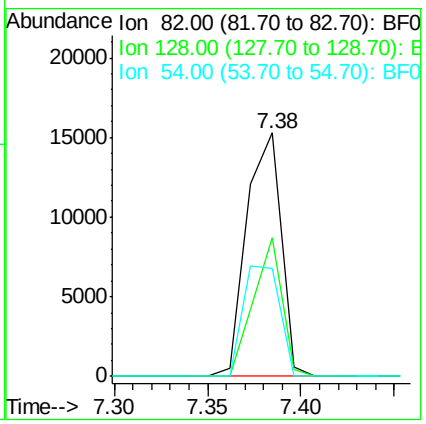


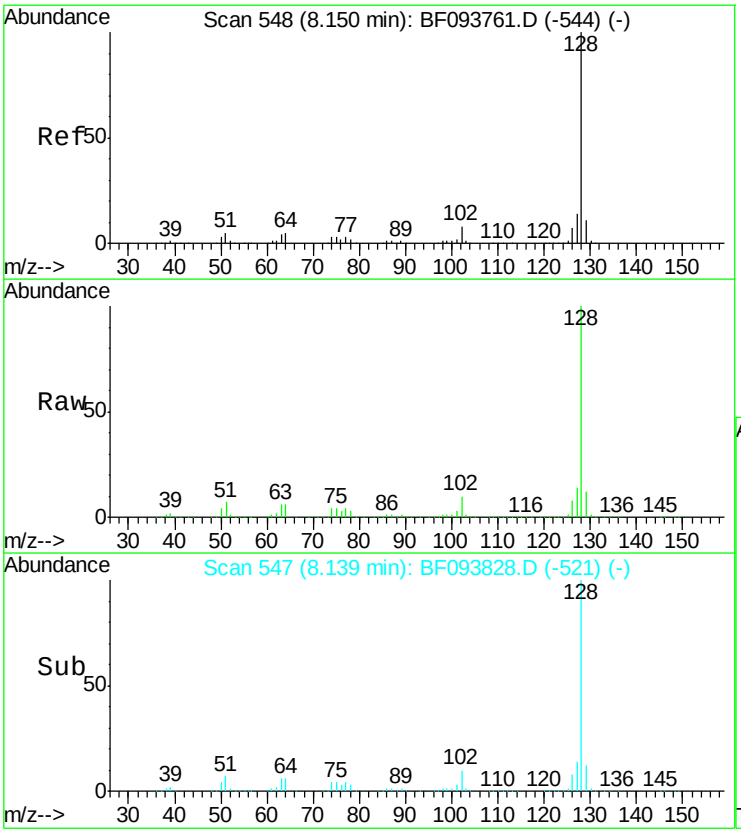
#23
Nitrobenzene-d5
Concen: 1.37 ng
RT: 7.38 min Scan# 481
Delta R.T. -0.01 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion: 82 Resp: 19511

Ion	Ratio	Lower	Upper
82	100		
128	56.8	34.0	51.0#
54	44.5	42.2	63.2

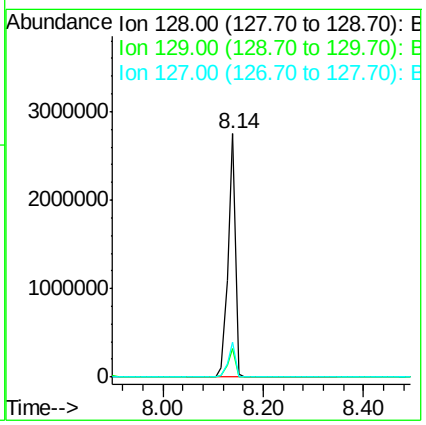


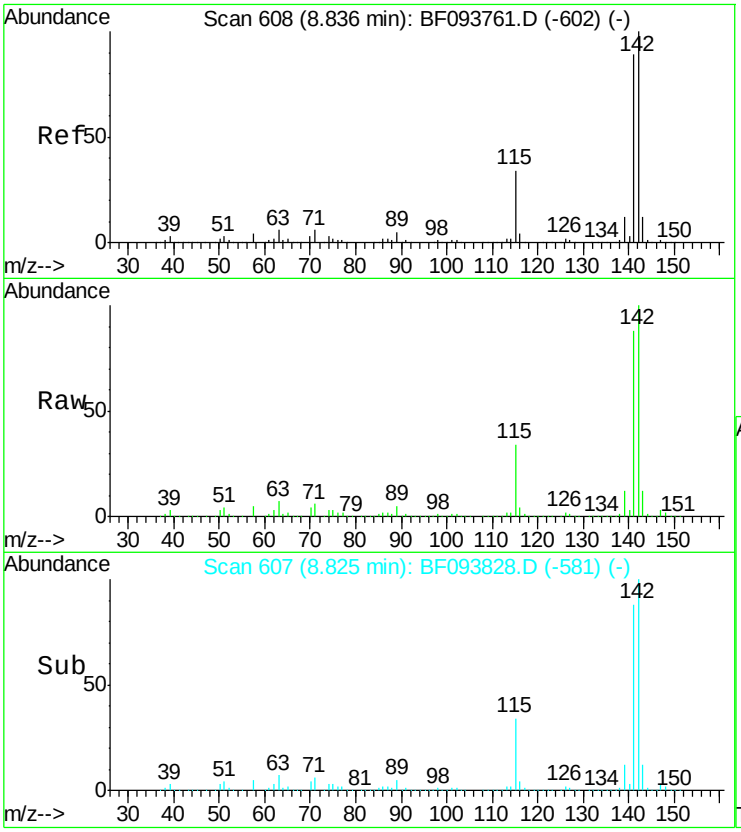


#31
Naphthalene
Concen: 73.52 ng
RT: 8.14 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Tgt Ion:128 Resp: 2748800

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	14.2	10.8	16.2



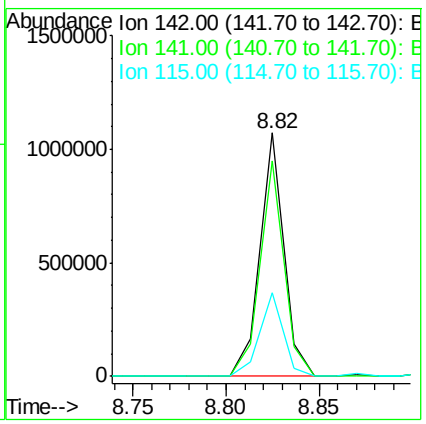


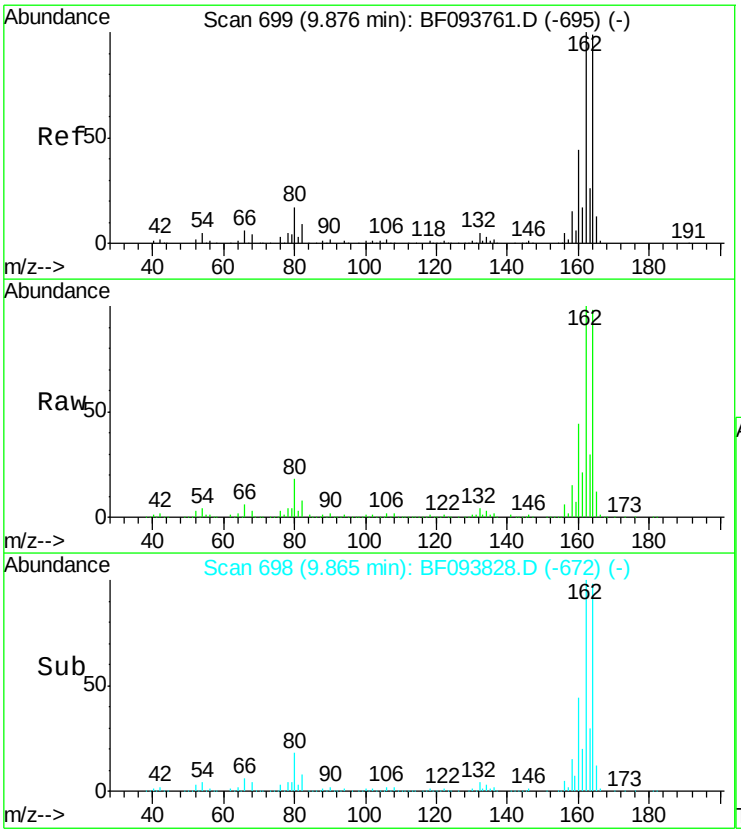
#37
2-Methylnaphthalene
Concen: 39.12 ng
RT: 8.82 min Scan# 607
Delta R.T. -0.00 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion:142 Resp: 954651

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.3	106.9
115	34.3	27.1	40.7

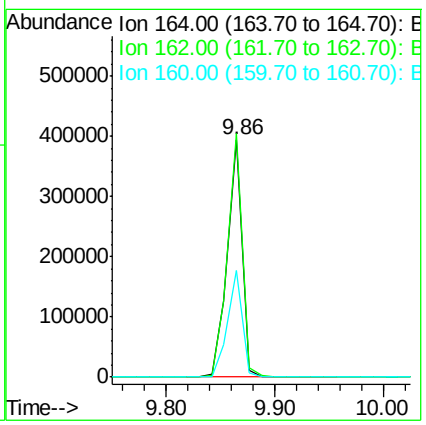


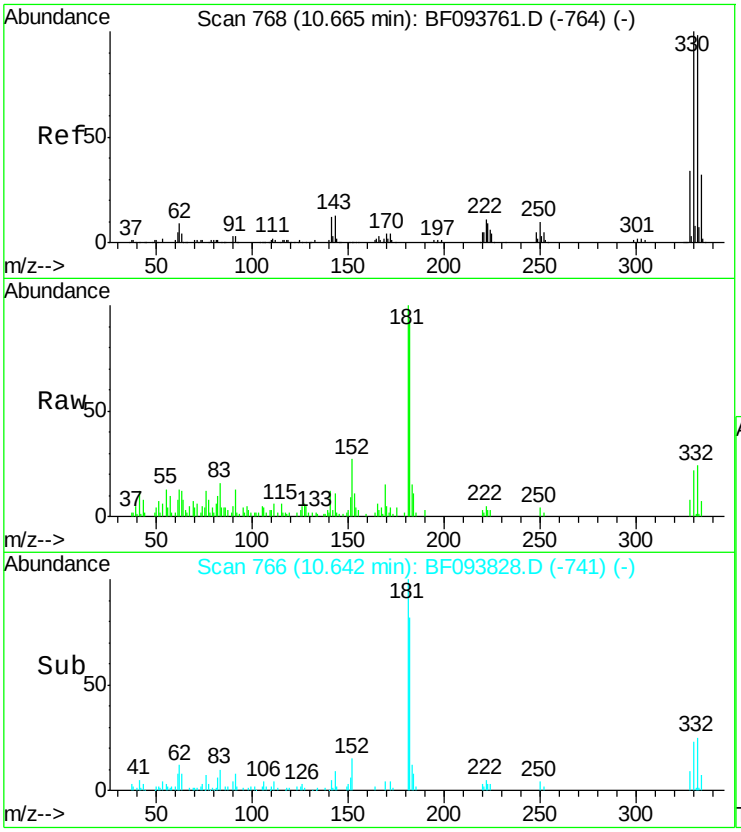


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Tgt Ion:164 Resp: 371882

Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	123.8
160	44.9	36.2	54.2



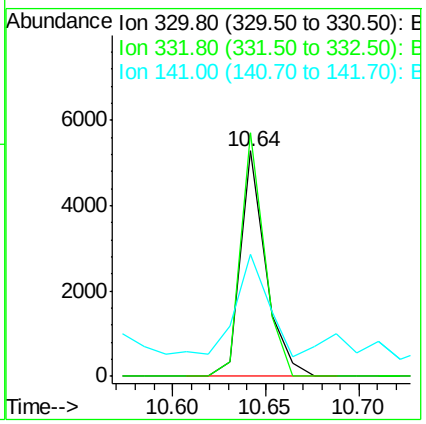


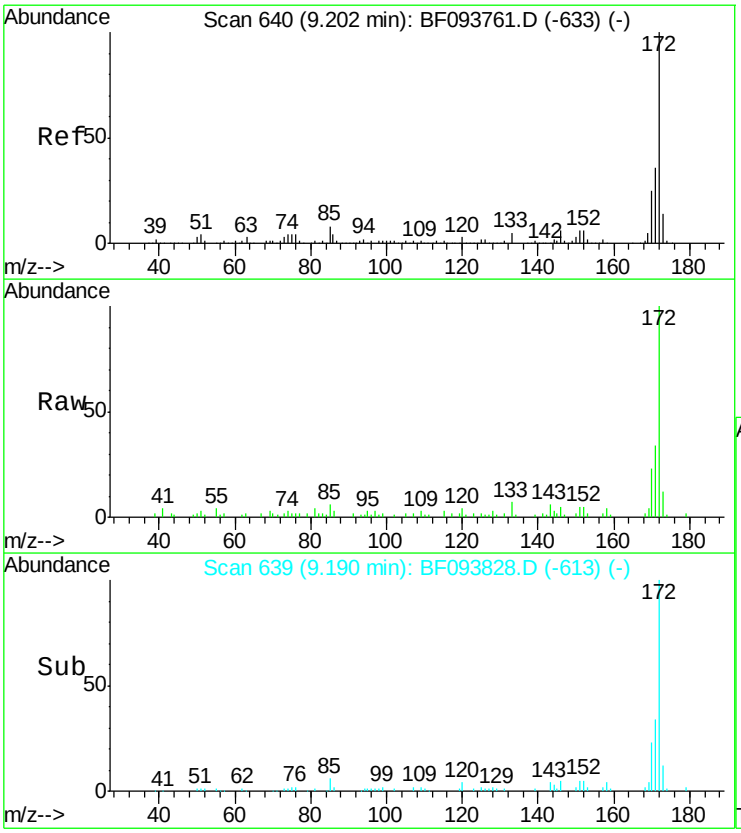
#41
2,4,6-Tribromophenol
Concen: 1.75 ng
RT: 10.64 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion:330 Resp: 5051

Ion	Ratio	Lower	Upper
330	100		
332	100.7	76.6	115.0
141	55.6	31.4	47.2#

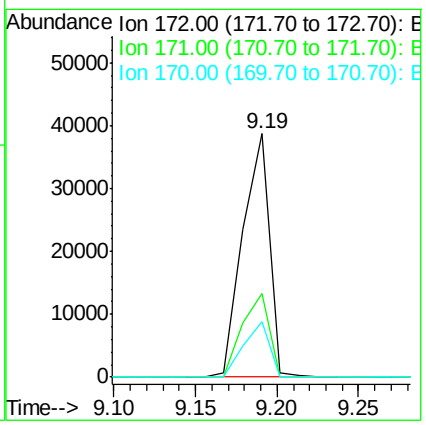


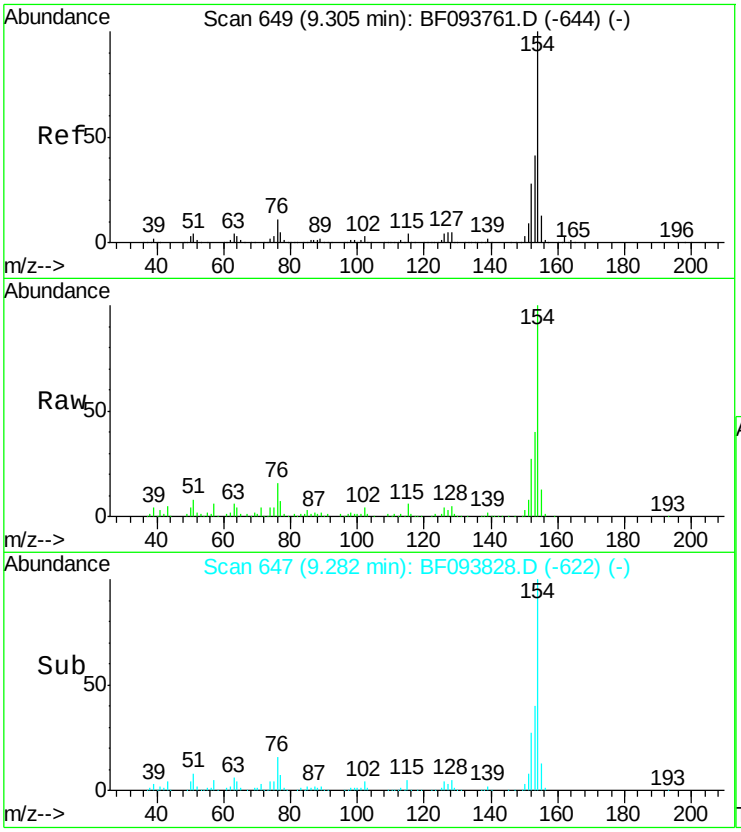


#44
2-Fluorobiphenyl
Concen: 1.98 ng
RT: 9.19 min Scan# 639
Delta R.T. -0.00 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Tgt Ion:172 Resp: 43768

Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	22.6	19.8	29.8



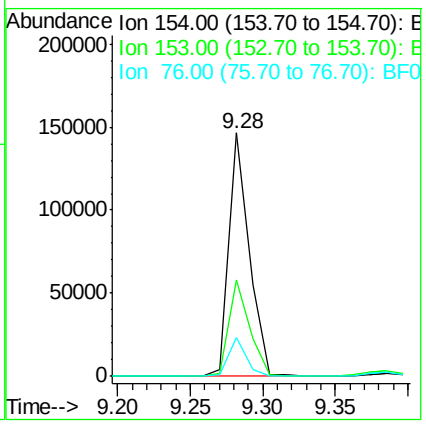


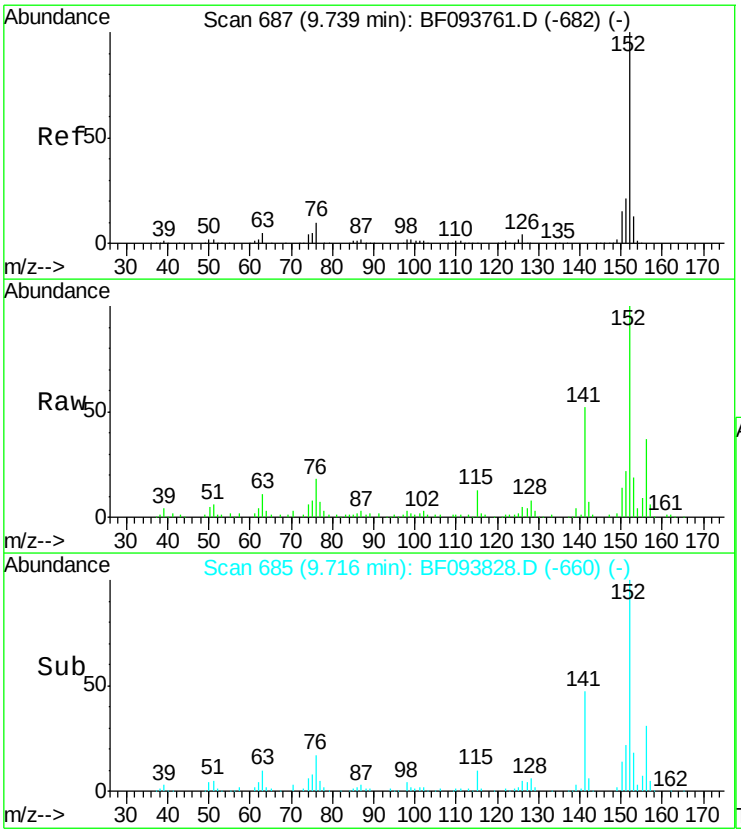
#45
1,1'-Biphenyl
Concen: 4.73 ng
RT: 9.28 min Scan# 647
Delta R.T. -0.01 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion:154 Resp: 142909

Ion	Ratio	Lower	Upper
154	100		
153	39.7	21.2	61.2
76	16.0	0.0	29.9

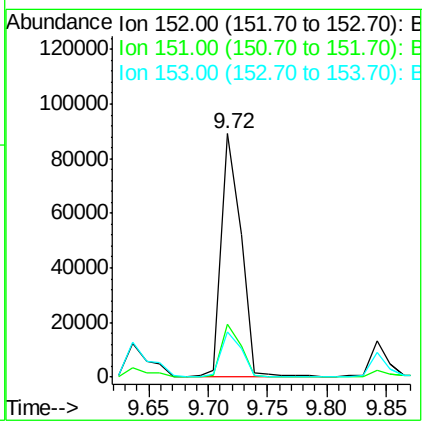


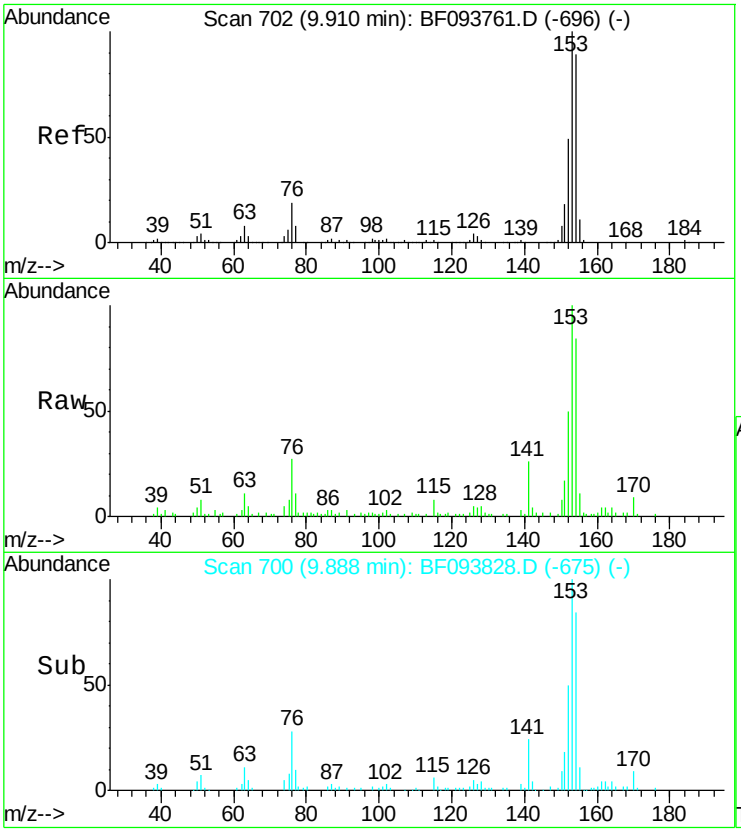


#48
Acenaphthylene
Concen: 2.71 ng
RT: 9.72 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Tgt Ion:152 Resp: 102090

Ion	Ratio	Lower	Upper
152	100		
151	21.9	16.8	25.2
153	18.5	10.8	16.2#



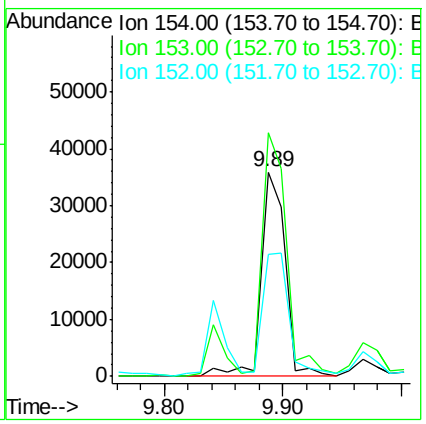


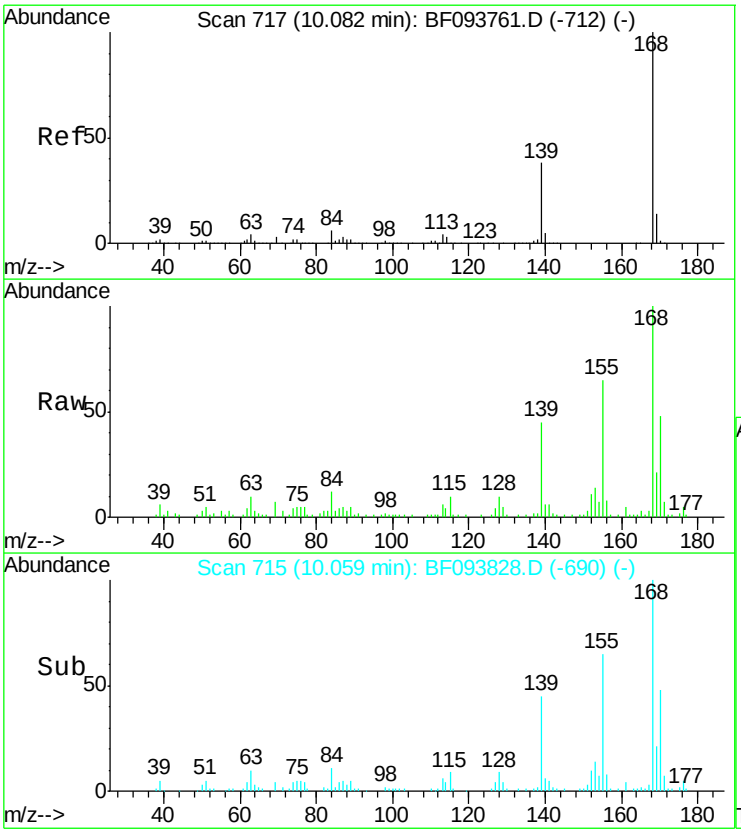
#51
Acenaphthene
Concen: 2.23 ng
RT: 9.89 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion:154 Resp: 50311

Ion	Ratio	Lower	Upper
154	100		
153	119.1	90.5	135.7
152	60.0	43.6	65.4

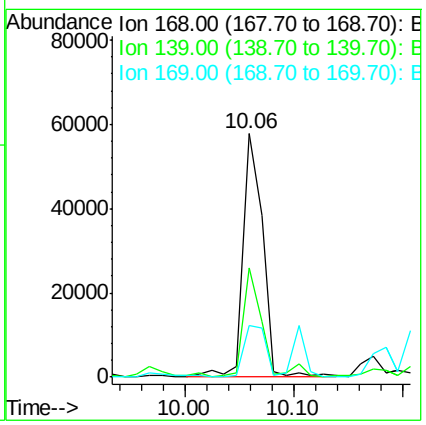


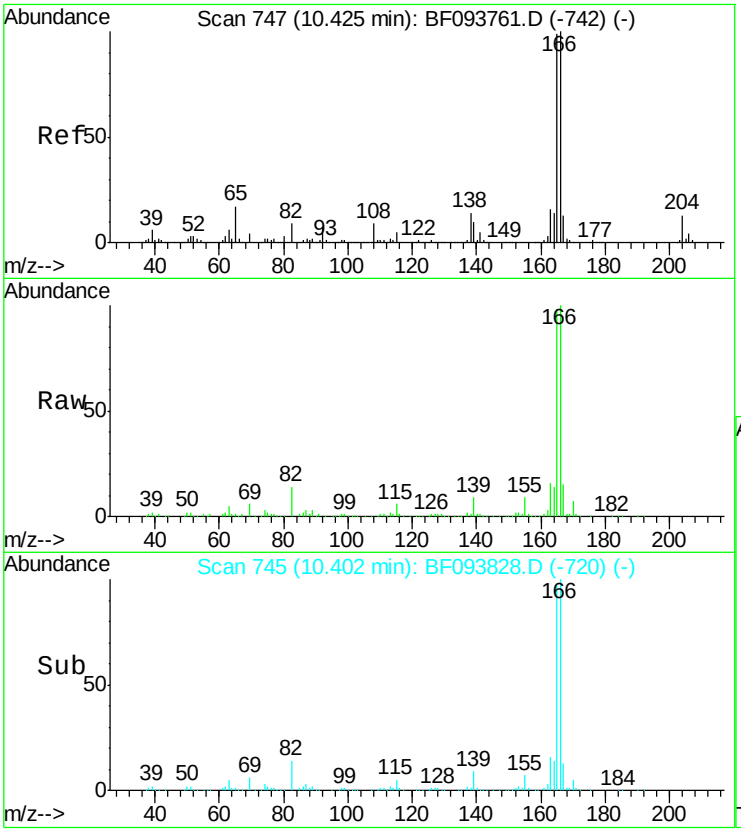


#54
Dibenzofuran
Concen: 2.40 ng
RT: 10.06 min Scan# 715
Delta R.T. -0.01 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Tgt Ion:168 Resp: 72769

Ion	Ratio	Lower	Upper
168	100		
139	44.6	30.6	45.8
169	21.0	10.8	16.2#



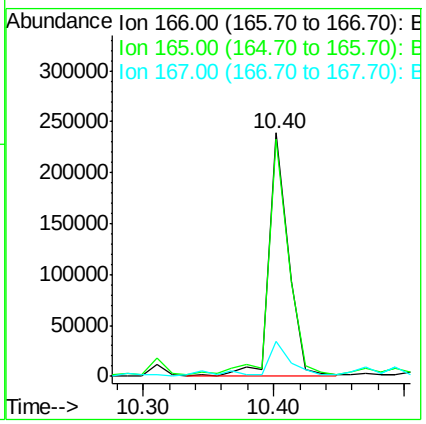


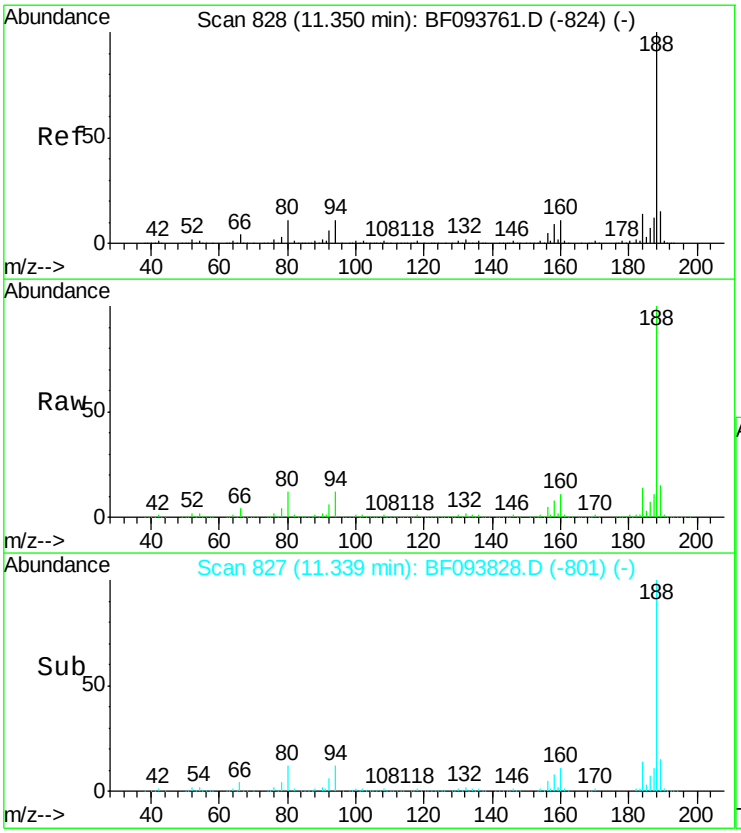
#57
Fluorene
Concen: 10.73 ng
RT: 10.40 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion:166 Resp: 248993

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.8	118.2
167	14.5	10.6	16.0

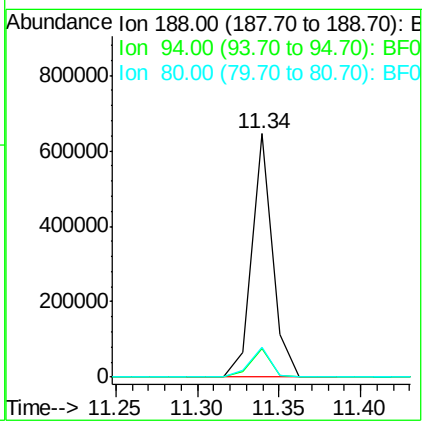


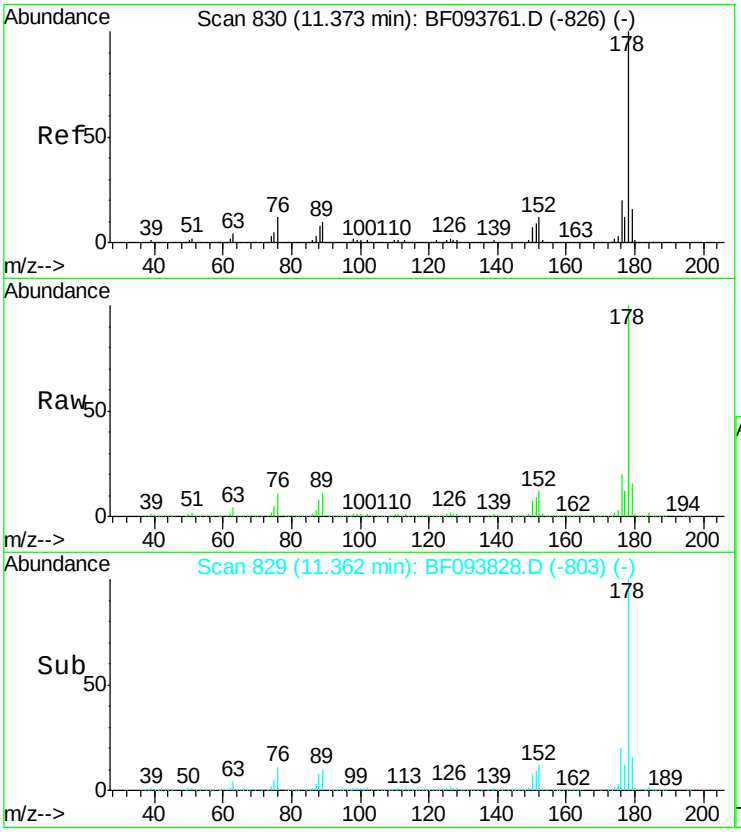


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 827
Delta R.T. -0.00 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Tgt Ion:188 Resp: 568717

Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.2
80	12.2	10.2	15.2



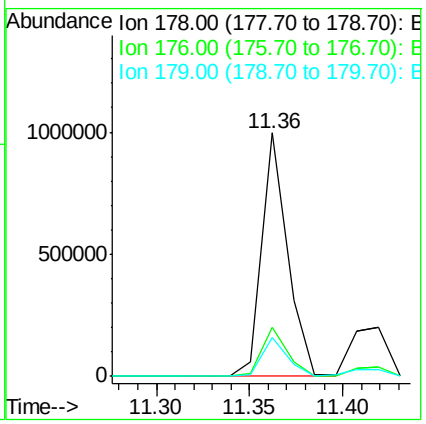


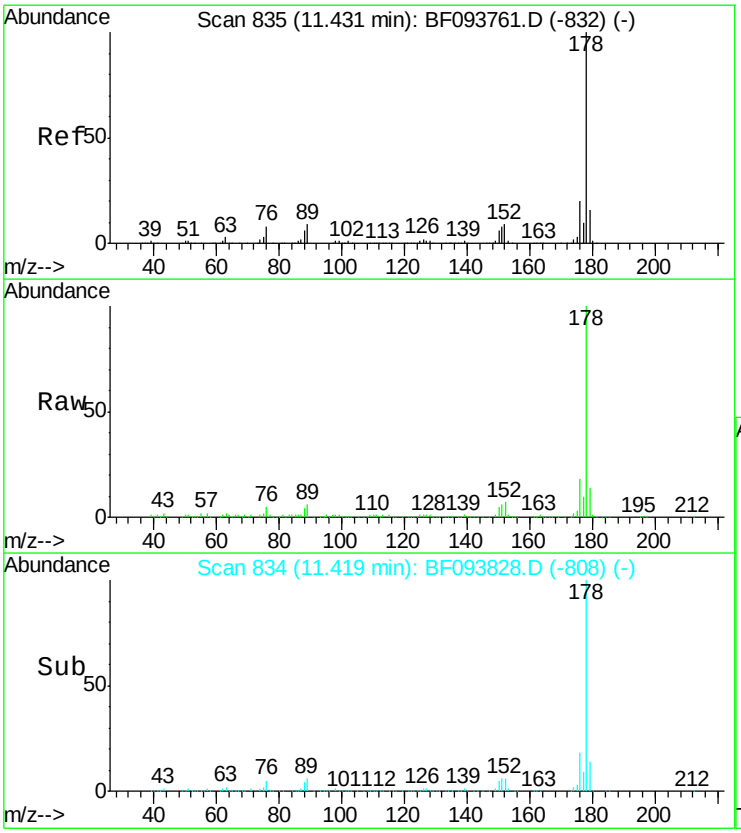
#70
Phenanthrene
Concen: 31.25 ng
RT: 11.36 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion:178 Resp: 946646

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.2	24.4
179	16.0	12.6	19.0

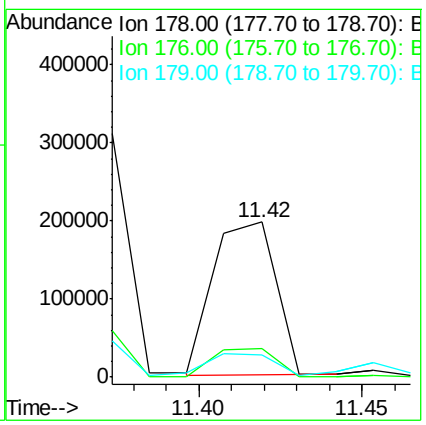


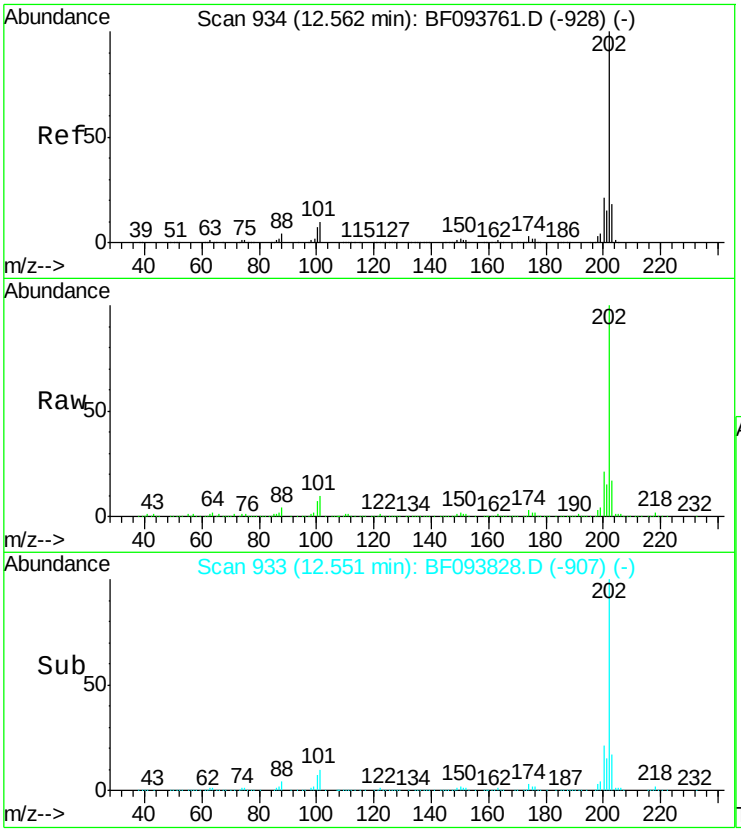


#71
Anthracene
Concen: 8.28 ng
RT: 11.42 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Tgt Ion:178 Resp: 258041

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	14.5	12.7	19.1



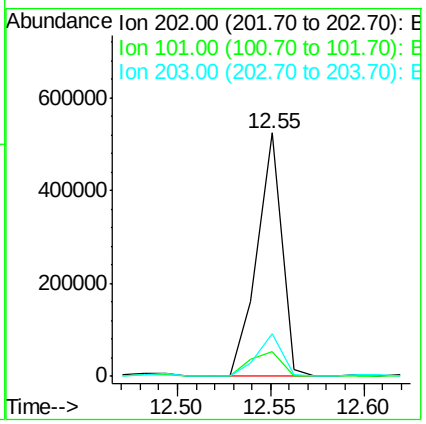


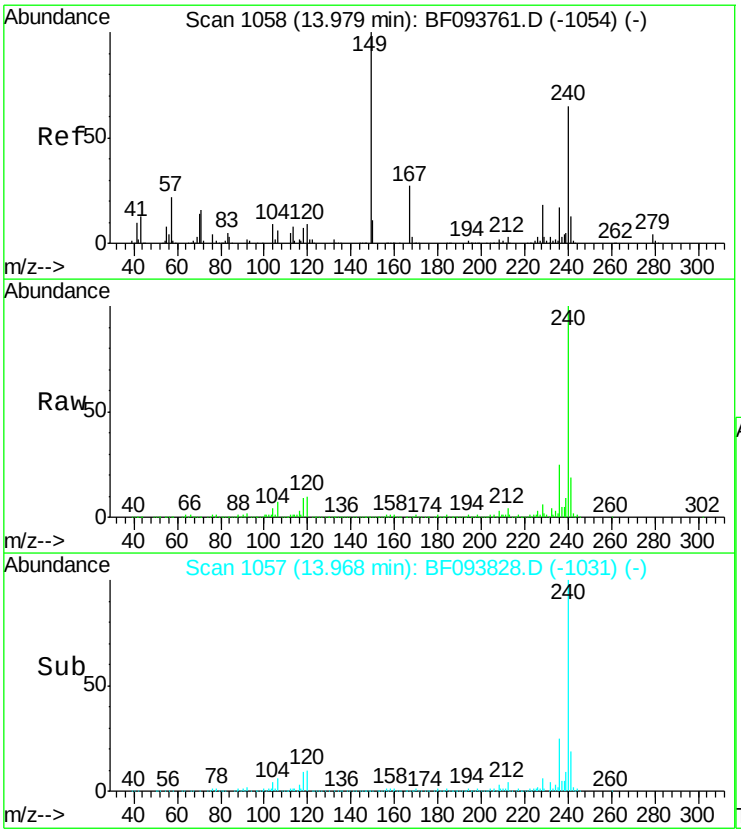
#74
Fluoranthene
Concen: 15.33 ng
RT: 12.55 min Scan# 933
Delta R.T. -0.00 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion:202 Resp: 477362

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	33.2
203	17.4	0.0	38.1

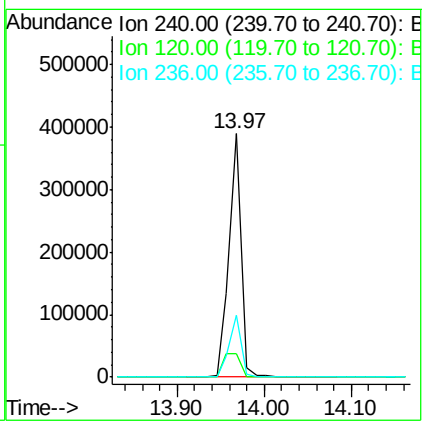


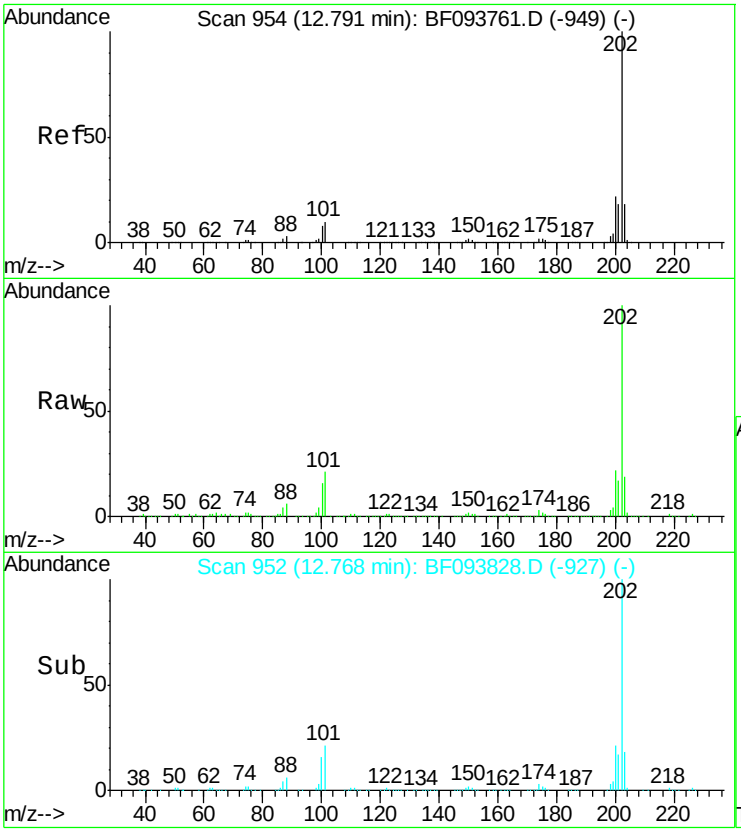


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Tgt Ion:240 Resp: 377286

Ion	Ratio	Lower	Upper
240	100		
120	9.8	5.8	8.8#
236	25.3	20.5	30.7



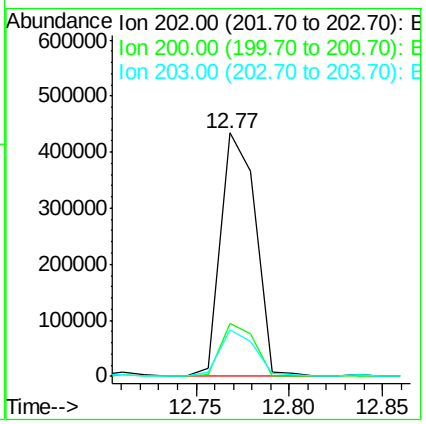


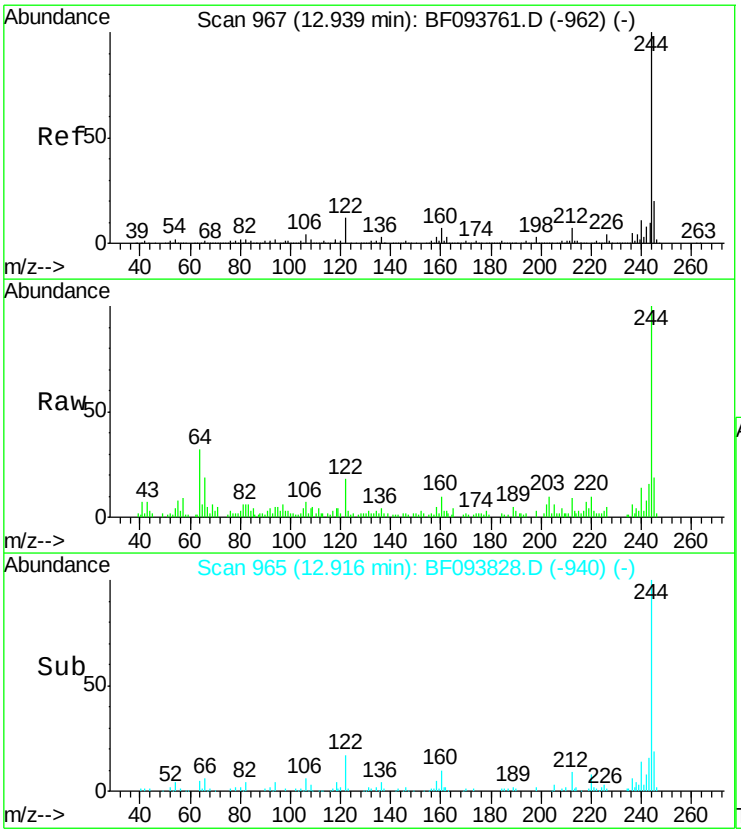
#77
Pyrene
Concen: 17.95 ng
RT: 12.77 min Scan# 952
Delta R.T. -0.01 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion:202 Resp: 563588

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	18.9	14.4	21.6

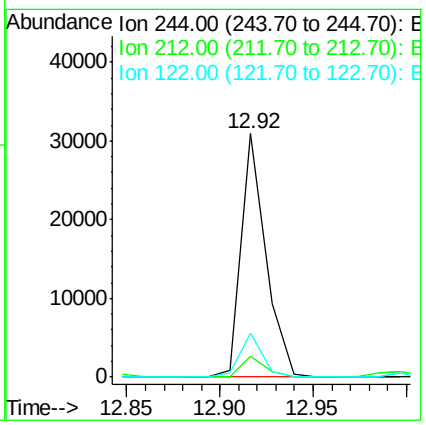


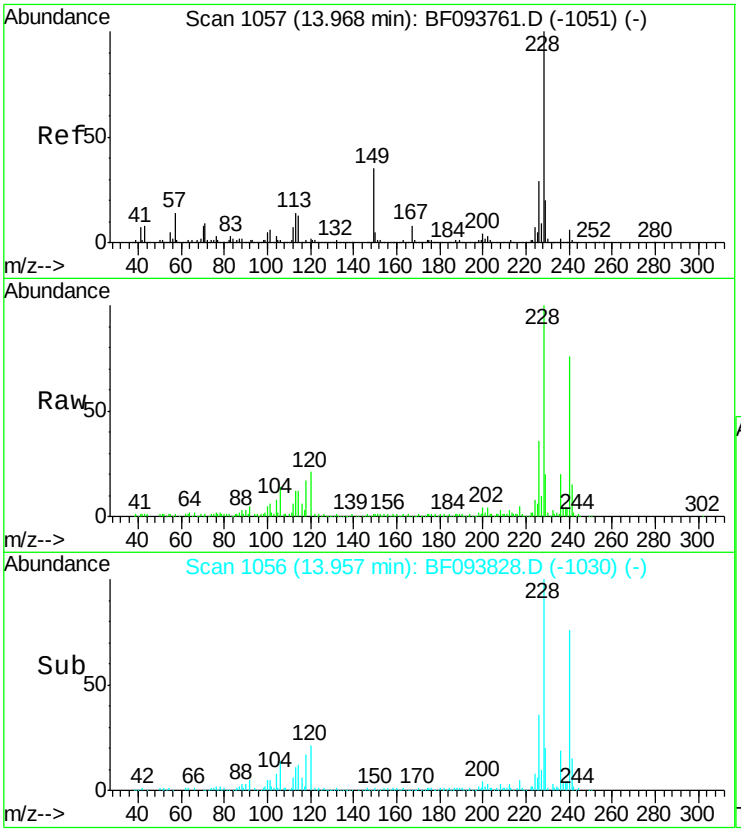


#78
Terphenyl-d14
Concen: 1.54 ng
RT: 12.92 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Tgt Ion:244 Resp: 28519

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.0	9.0
122	17.9	10.3	15.5#



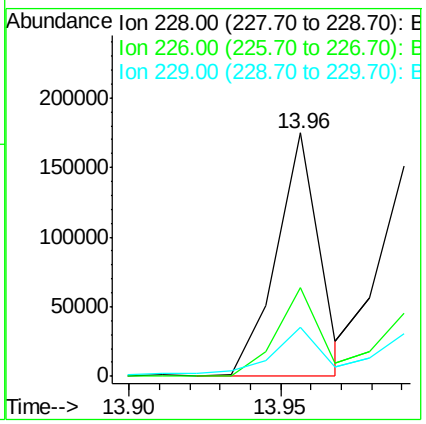


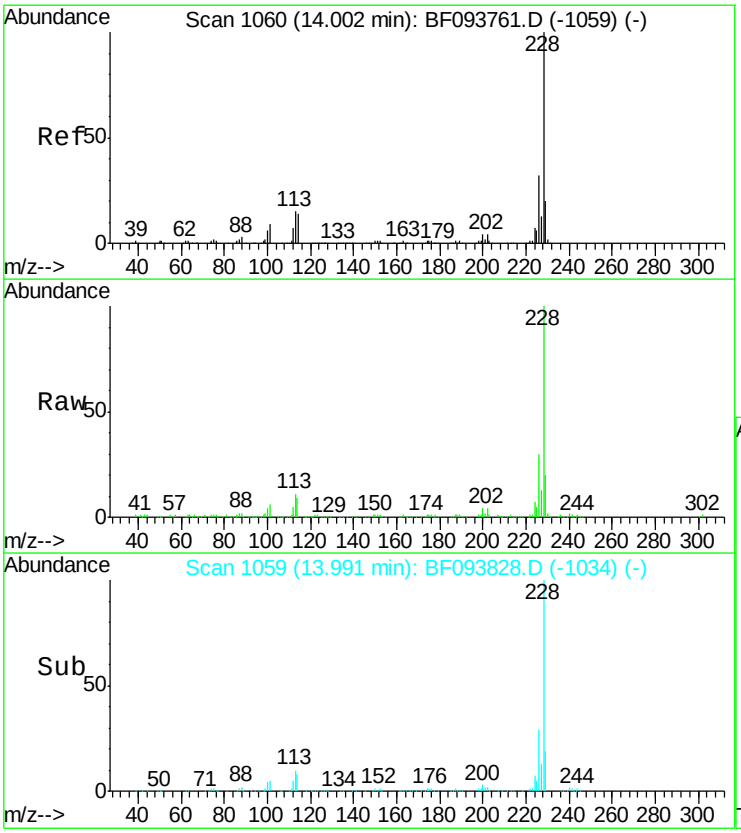
#80
Benzo(a)anthracene
Concen: 7.30 ng m
RT: 13.96 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion:228 Resp: 172563

Ion	Ratio	Lower	Upper
228	100		
226	36.3	22.6	33.8#
229	20.1	16.3	24.5

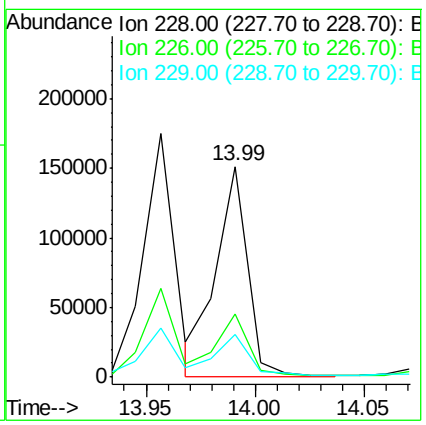


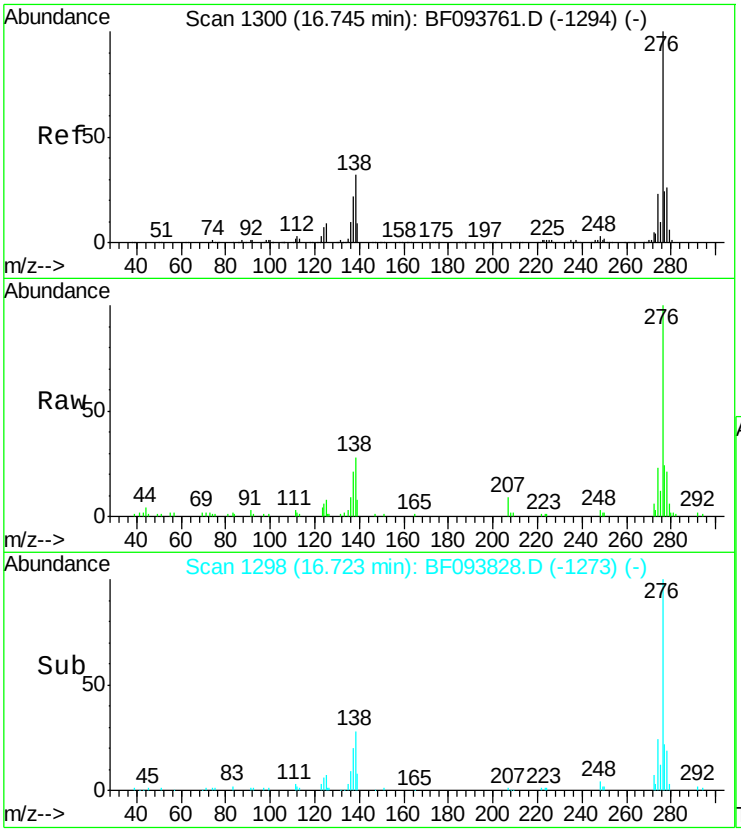


#82
Chrysene
Concen: 6.49 ng m
RT: 13.99 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Tgt Ion:228 Resp: 153316

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	20.3	15.8	23.6



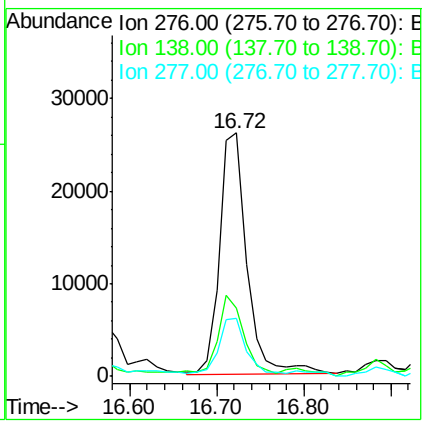


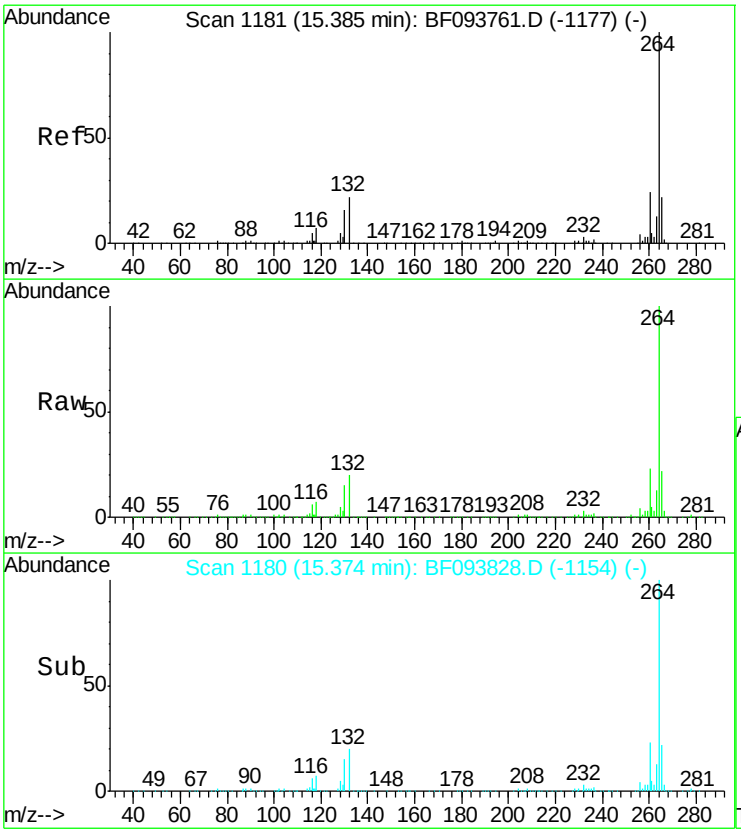
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.92 ng
RT: 16.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion:276 Resp: 56543

Ion	Ratio	Lower	Upper
276	100		
138	29.1	27.8	41.6
277	24.3	20.2	30.4

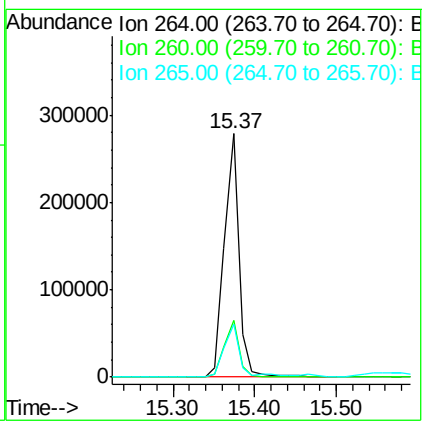


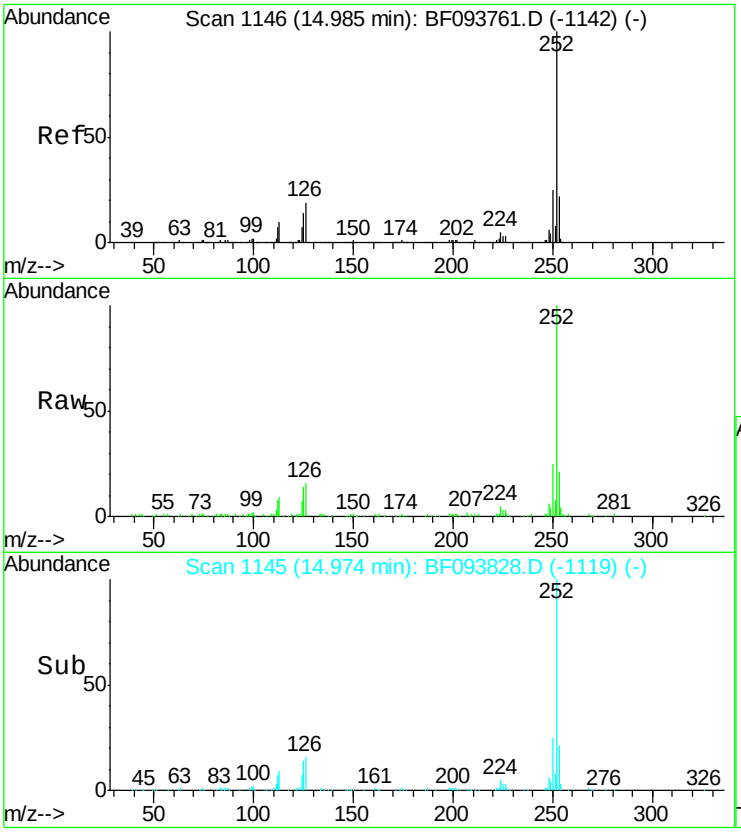


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Tgt Ion:264 Resp: 345650

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.9	17.2	25.8



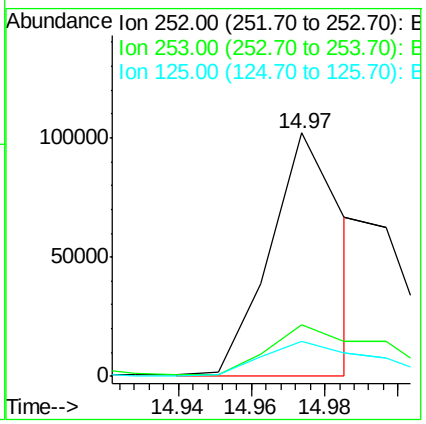


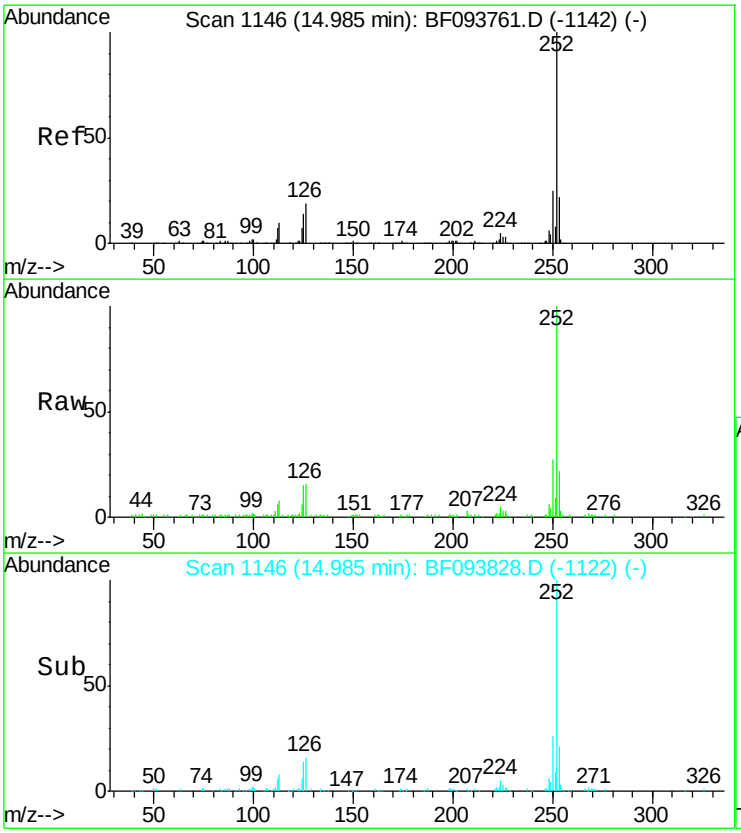
#87
Benzo(b)fluoranthene
Concen: 6.16 ng m
RT: 14.97 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion:252 Resp: 143639

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	14.3	9.8	14.8

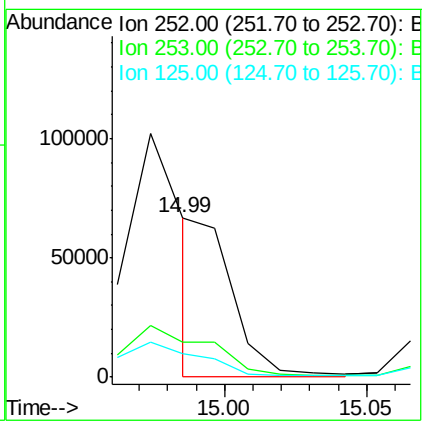


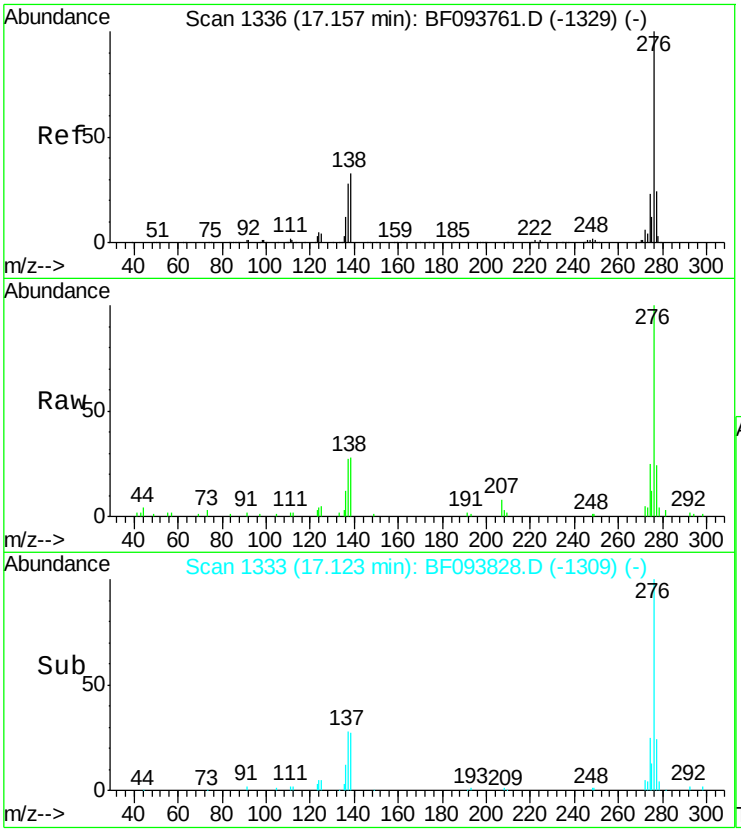


#88
Benzo(k)fluoranthene
Concen: 3.28 ng m
RT: 14.99 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Tgt Ion:252 Resp: 56509

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.4	27.6
125	14.5	13.1	19.7





#91
Benzo(g,h,i)perylene
Concen: 3.44 ng
RT: 17.12 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF093828.D
Acq: 22 Mar 2017 10:30

Instrument :
BNA_F
ClientSampleId :
HP-PW-02DL

Tgt Ion:276 Resp: 53632

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	27.9	25.4	38.0