Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093286.D
Acq On : 1 Mar 2017 11:05
Operator : SJ/MA
Sample : I2017-14DL 2X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-11-20170227DL

Manual Integrations APPROVED
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Quant Time: Mar 01 15:56:40 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	128326	20.00	ng		-0.05
21) Naphthalene-d8	8.10	136	459682	20.00	ng		-0.05
38) Acenaphthene-d10	9.85	164	183965	20.00	ng		-0.05
63) Phenanthrene-d10	11.33	188	319891	20.00	ng		-0.05
75) Chrysene-d12	13.99	240	245737	20.00	ng		-0.03
86) Perylene-d12	15.41	264	166945	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	437490	58.49	ng		-0.03
7) Phenol-d6	6.46	99	550771	57.23	ng		-0.02
23) Nitrobenzene-d5	7.38	82	277659	33.64	ng		-0.05
41) 2,4,6-Tribromophenol	10.65	330	74466	55.97	ng		-0.03
44) 2-Fluorobiphenyl	9.17	172	476978	46.97	ng		-0.05
78) Terphenyl-d14	12.92	244	379186	36.26	ng		-0.05
Target Compounds							Qvalue
10) Phenol	6.48	94	42379	3.76	ng		81
31) Naphthalene	8.12	128	50399	2.16	ng		96
48) Acenaphthylene	9.71	152	150995	8.39	ng		97
49) Dimethylphthalate	9.57	163	33412	2.70	ng		99
51) Acenaphthene	9.88	154	25511	2.37	ng		96
54) Dibenzofuran	10.05	168	33102	2.30	ng	#	93
57) Fluorene	10.40	166	42668	3.85	ng		96
70) Phenanthrene	11.37	178	759694	41.45	ng		98
71) Anthracene	11.41	178	182867	9.94	ng		97
72) Carbazole	11.57	167	90838	5.16	ng		97
74) Fluoranthene	12.56	202	1002134	53.01	ng		97
77) Pyrene	12.78	202	985035	53.56	ng		99
80) Benzo(a)anthracene	13.97	228	432589	28.78	ng		97
82) Chrysene	14.01	228	433888m	30.83	ng		
85) Indeno(1,2,3-cd)pyrene	16.81	276	139810	12.83	ng		97
87) Benzo(b)fluoranthene	15.00	252	323779m	29.47	ng		
88) Benzo(k)fluoranthene	15.01	252	133974m	14.12	ng		
89) Benzo(a)pyrene	15.36	252	230831	24.29	ng		98
90) Dibenzo(a,h)anthracene	16.81	278	40664	5.29	ng	#	86
91) Benzo(g,h,i)perylene	17.24	276	137916	17.77	ng	#	91

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

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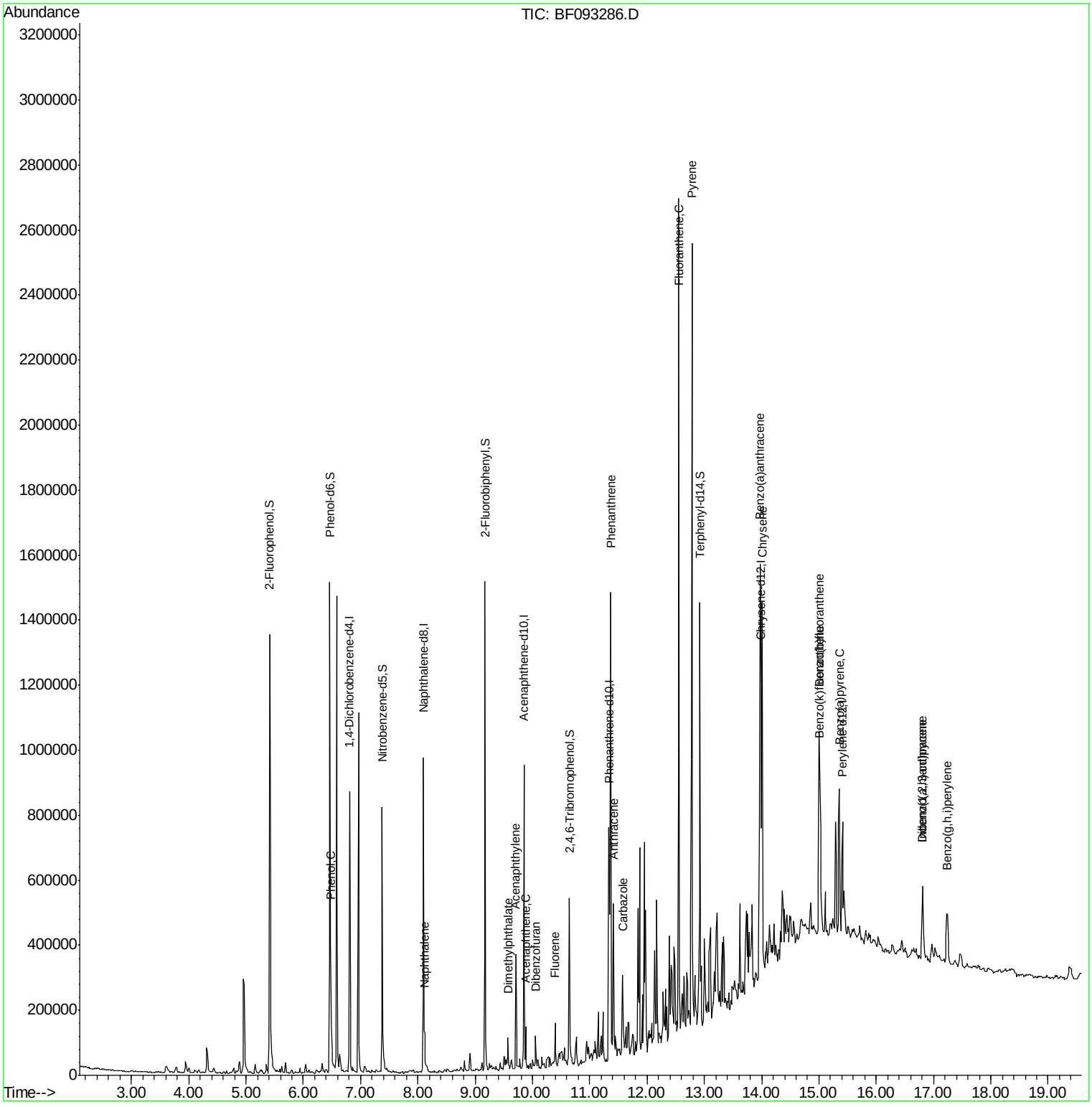
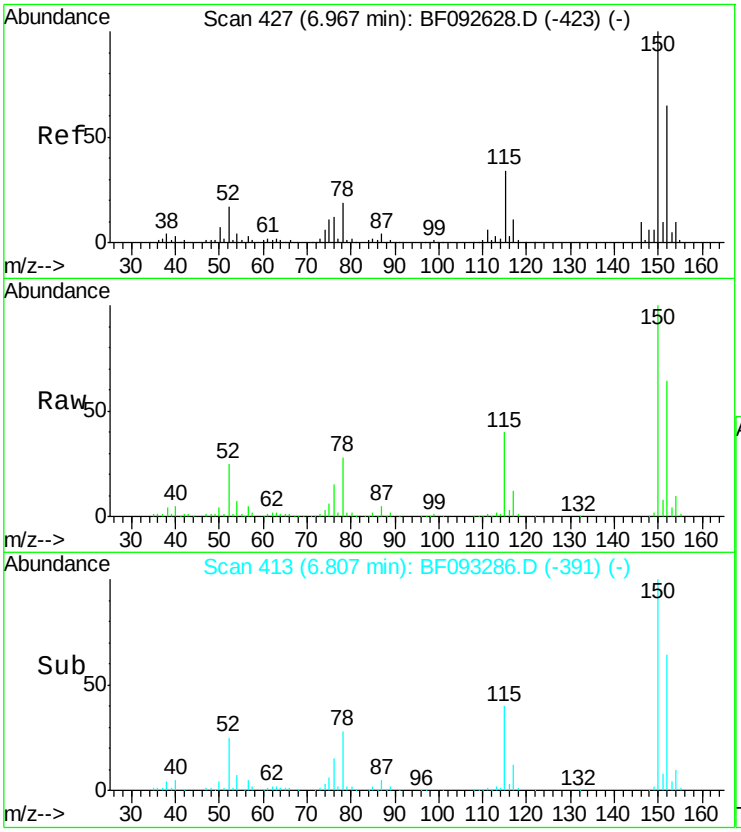
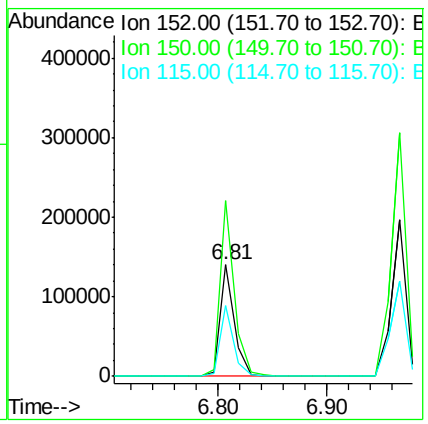




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:152 Resp: 128326

Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.9	187.3
115	63.3	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227DL

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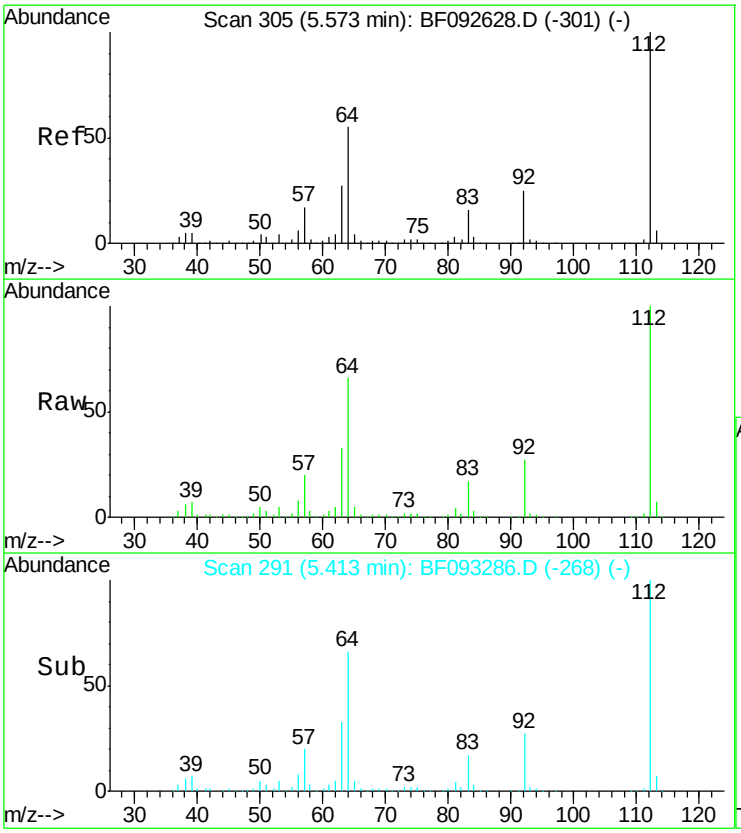
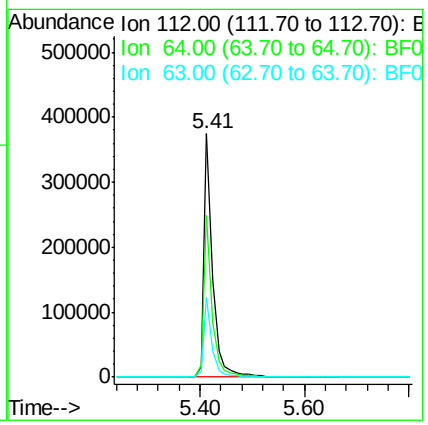
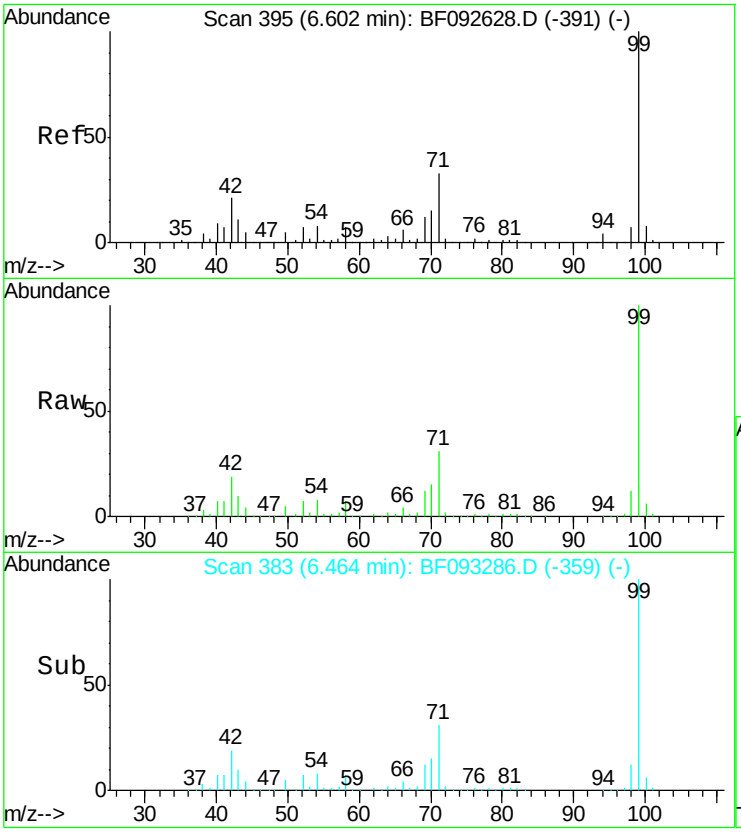


#5
2-Fluorophenol
Concen: 58.49 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:112 Resp: 437490

Ion	Ratio	Lower	Upper
112	100		
64	66.4	46.1	69.1
63	32.9	23.8	35.6

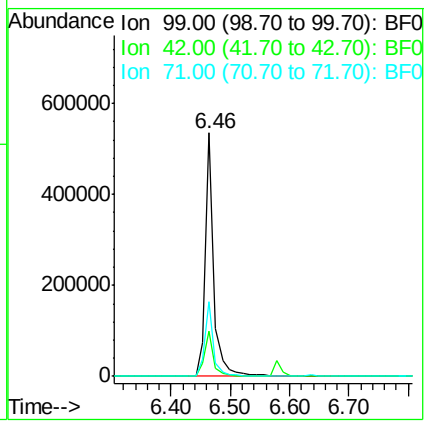




#7
Phenol-d6
Concen: 57.23 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.02 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion: 99 Resp: 550771

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.6	23.4
71	30.9	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227DL

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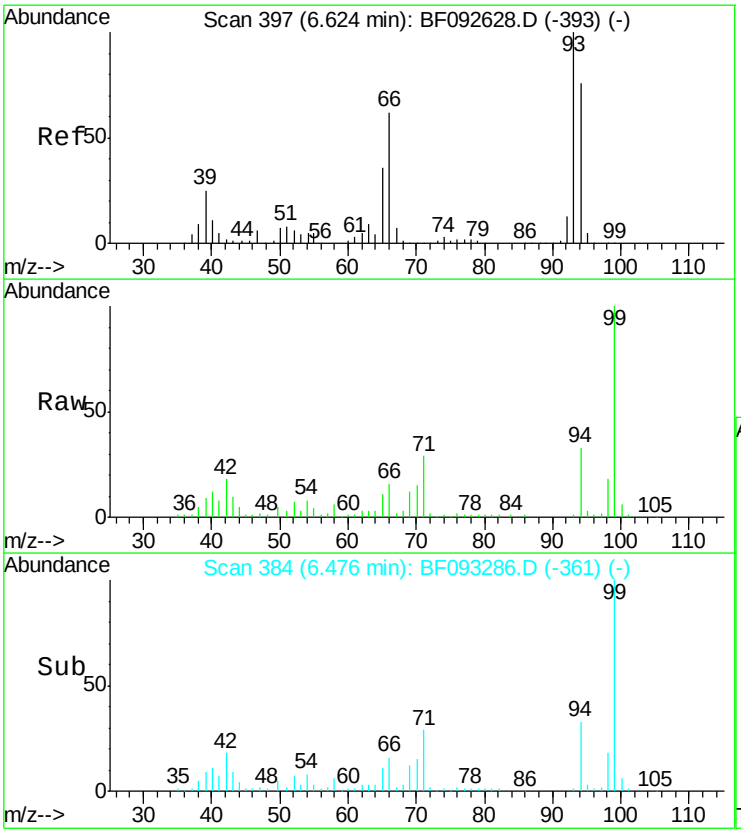
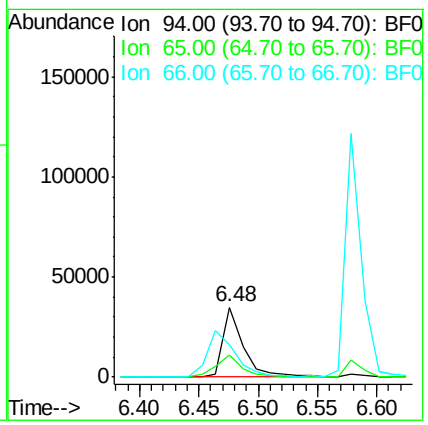
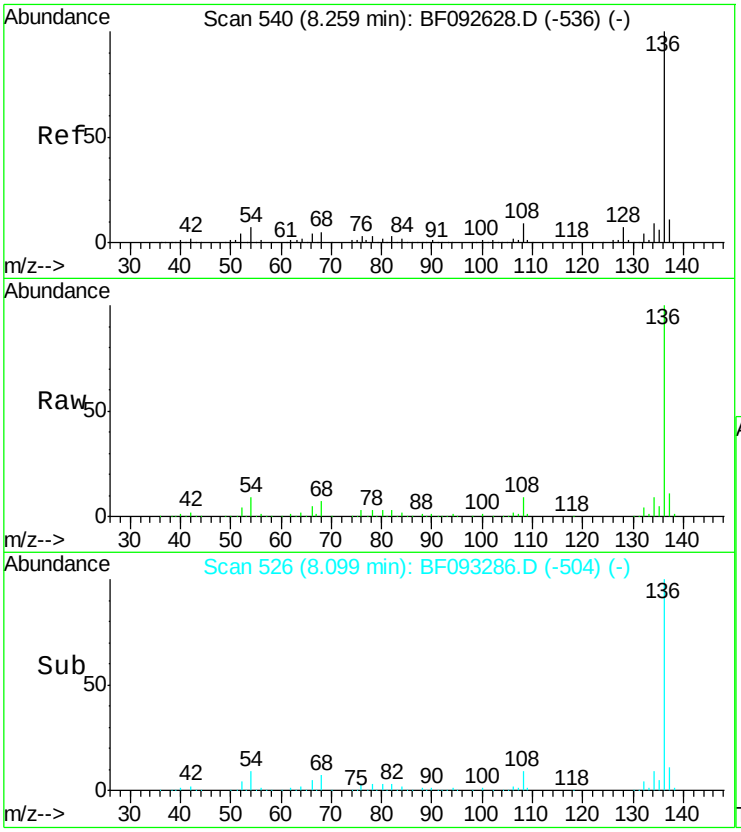


#10
Phenol
Concen: 3.76 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion: 94 Resp: 42379

Ion	Ratio	Lower	Upper
94	100		
65	32.6	21.4	61.4
66	47.2	44.0	84.0

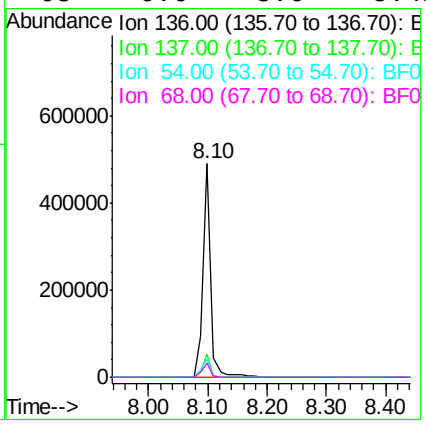




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:136 Resp: 459682

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	8.6	4.5	6.7#
68	6.6	3.6	5.4#



Instrument :
BNA_F
ClientSampleId :
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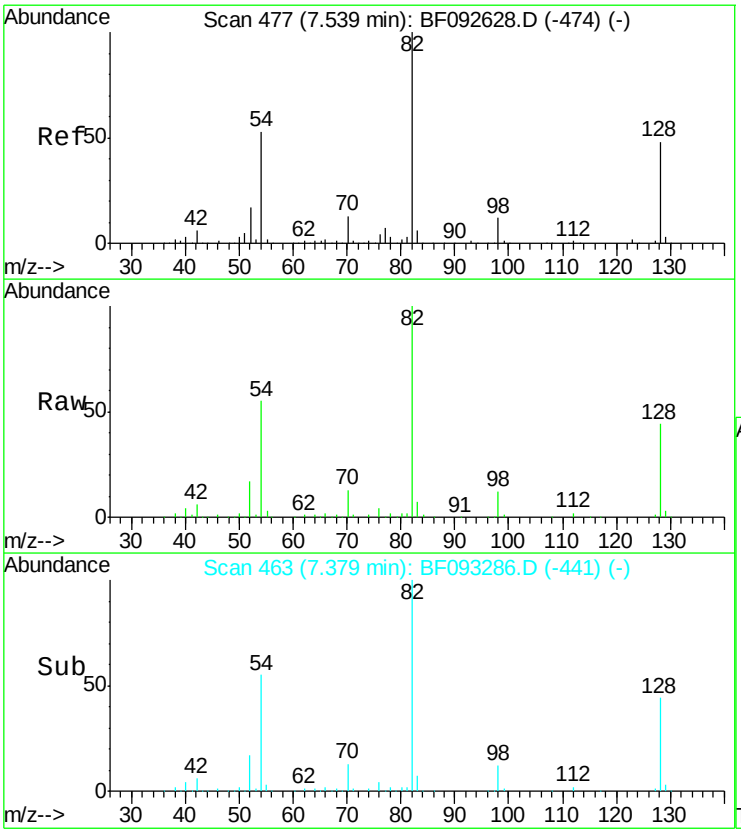
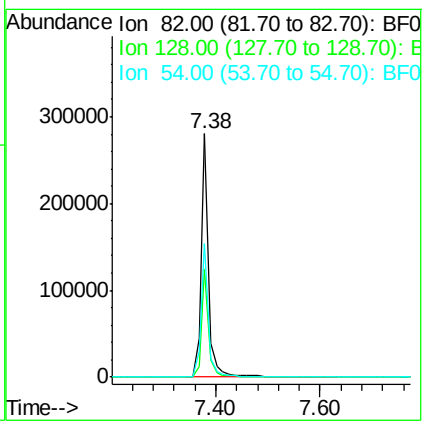
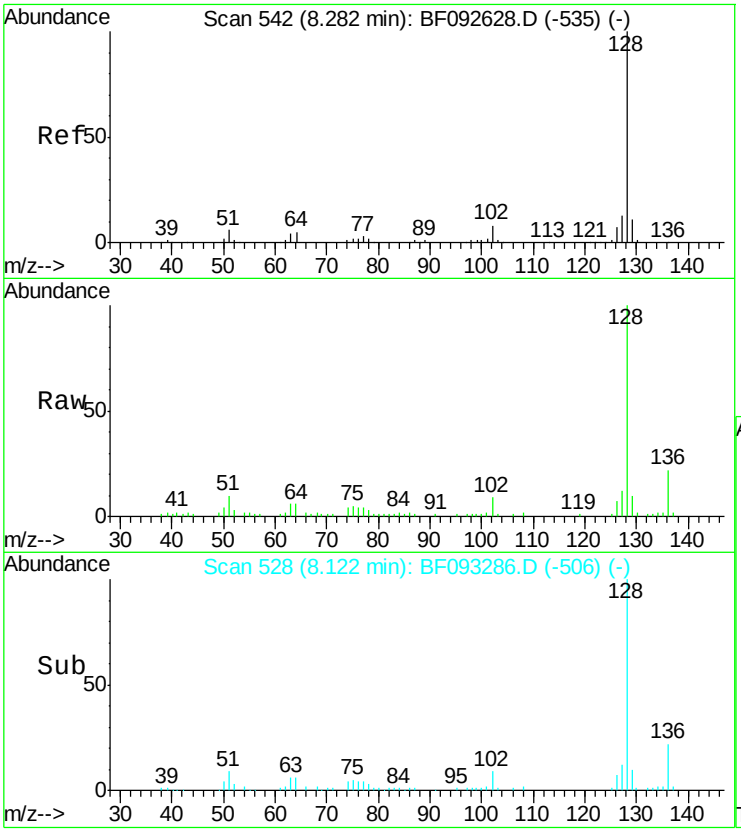


#23
Nitrobenzene-d5
Concen: 33.64 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion: 82 Resp: 277659

Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.6	52.0
54	55.0	39.5	59.3

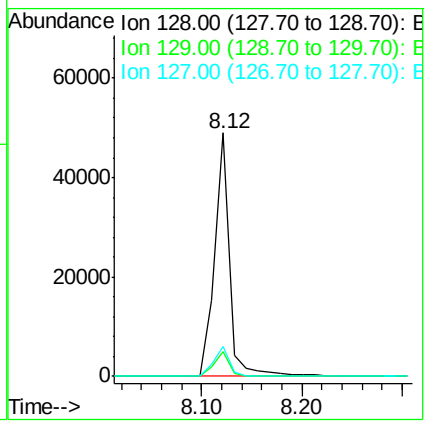




#31
Naphthalene
Concen: 2.16 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:128 Resp: 50399

Ion	Ratio	Lower	Upper
128	100		
129	10.0	9.5	14.3
127	12.4	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227DL

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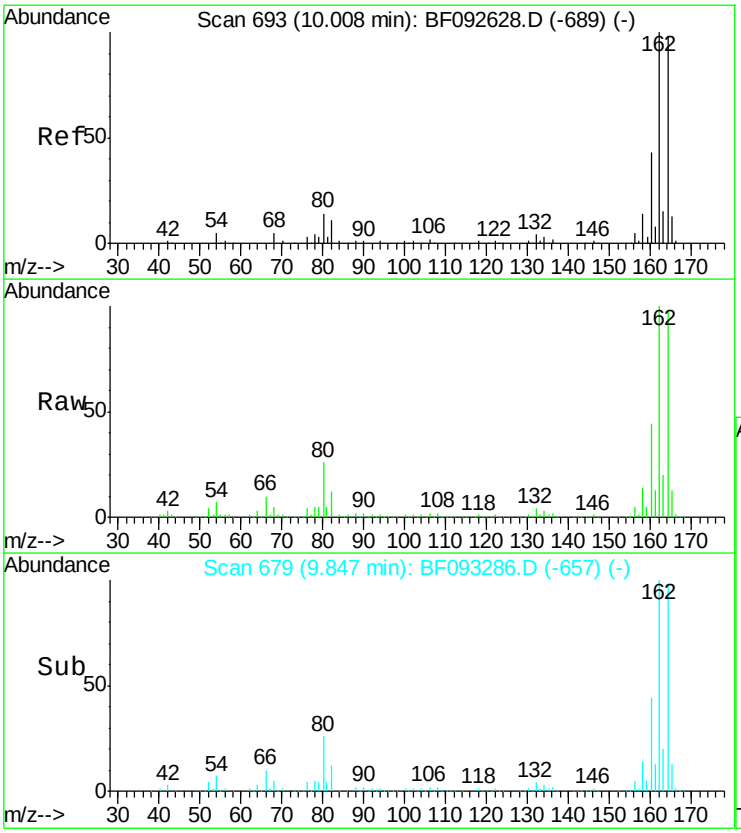
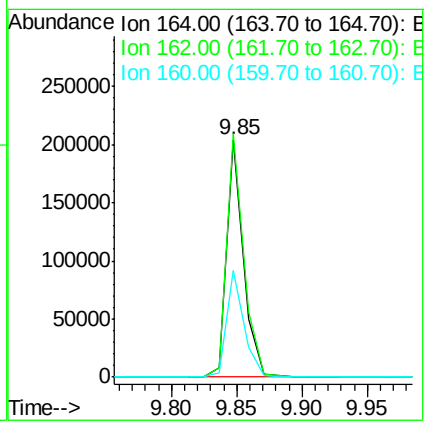
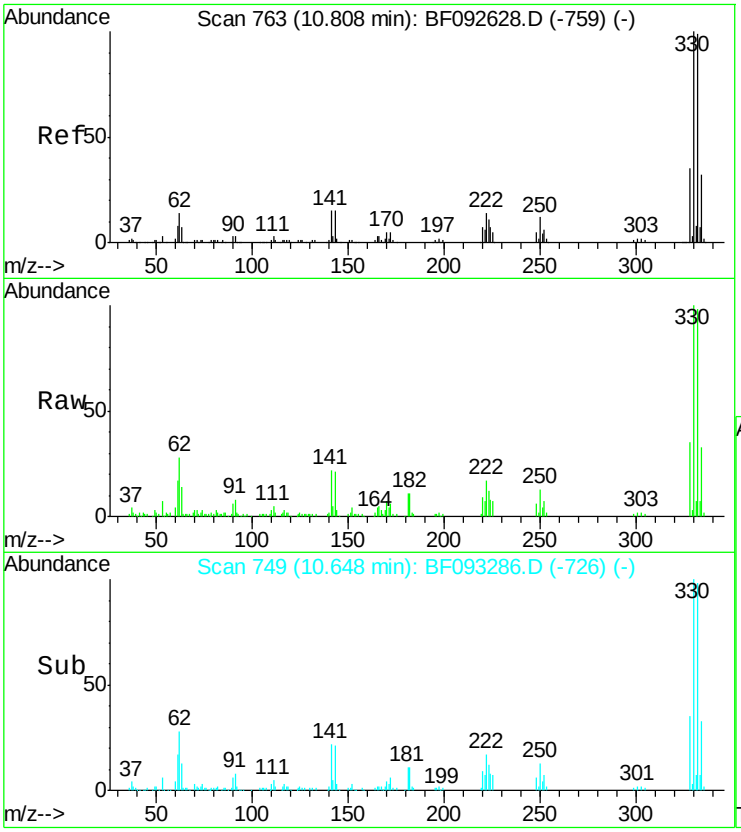


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:164 Resp: 183965

Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.2	120.2
160	44.8	36.9	55.3

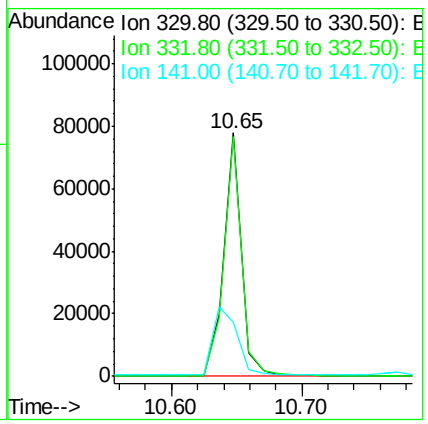




#41
2,4,6-Tribromophenol
Concen: 55.97 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:330 Resp: 74466

Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.4	116.2
141	39.0	34.1	51.1



Instrument :
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ClientSampleId :
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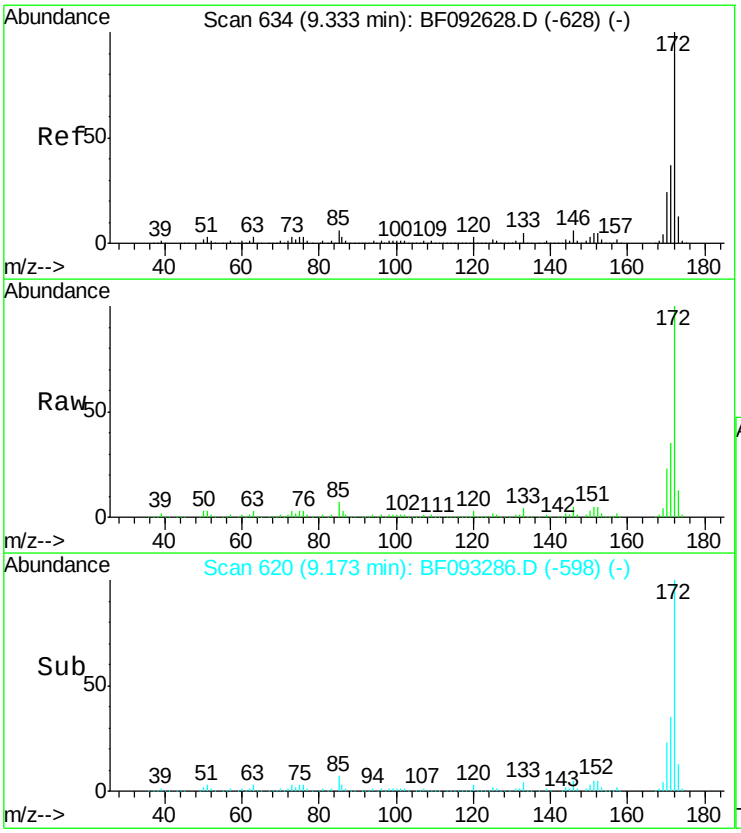
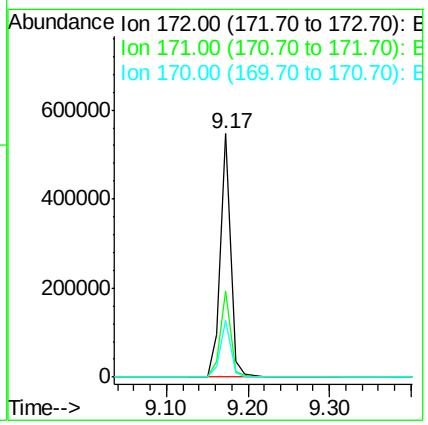
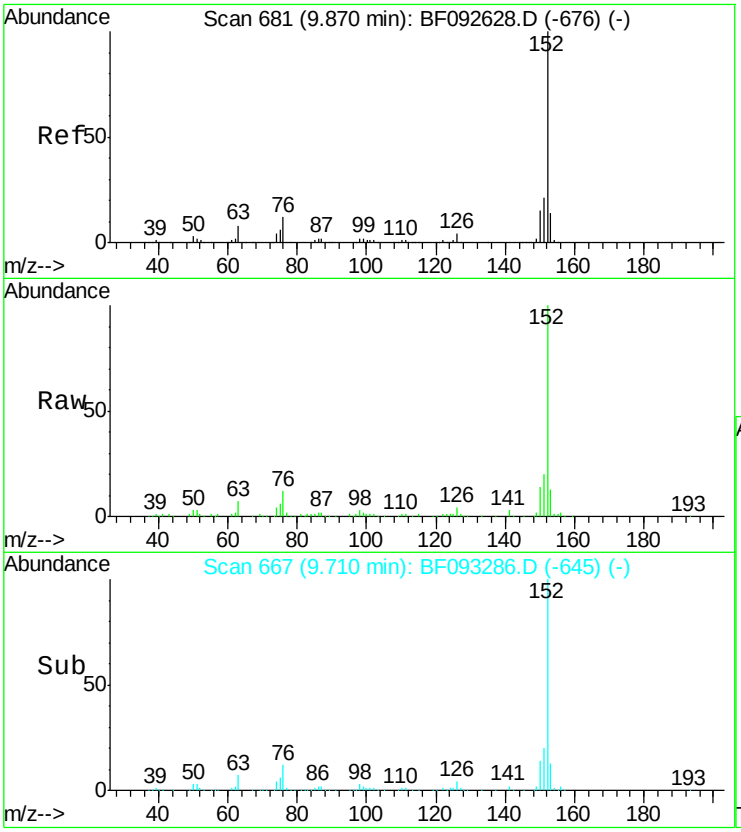


#44
2-Fluorobiphenyl
Concen: 46.97 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:172 Resp: 476978

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.4	44.0
170	23.3	20.2	30.4

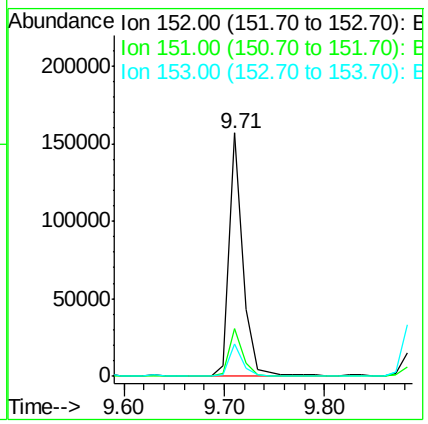




#48
Acenaphthylene
Concen: 8.39 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:152 Resp: 150995

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.9	25.3
153	13.4	11.4	17.2



Instrument :
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ClientSampleId :
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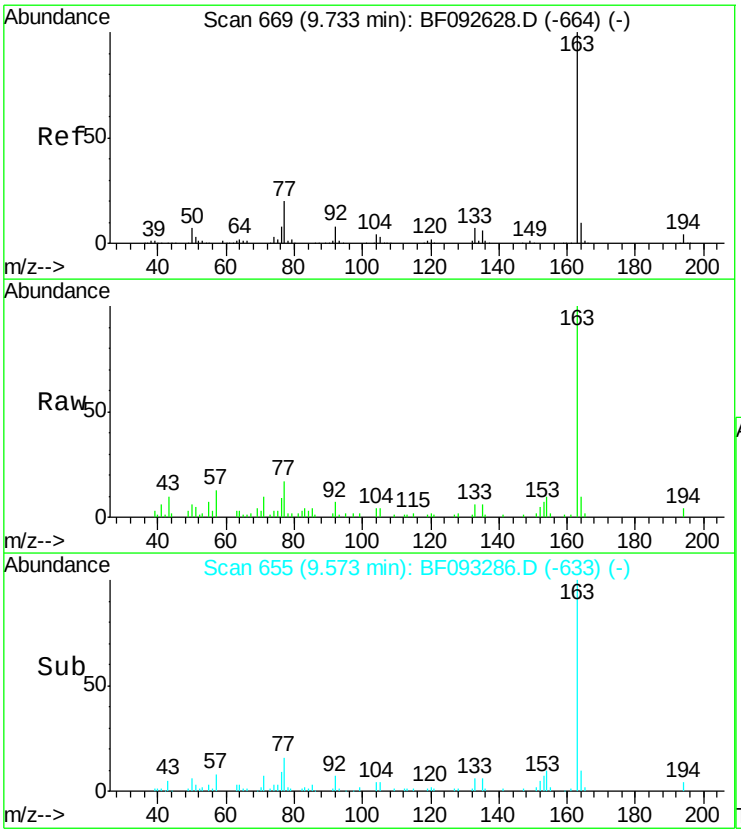
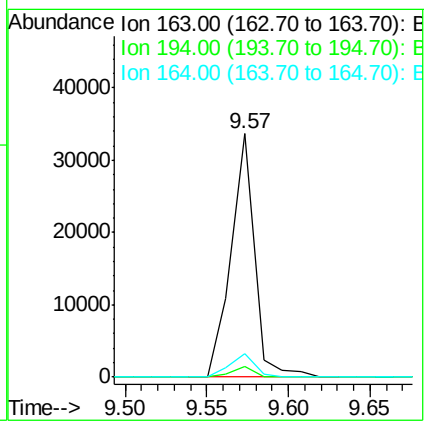
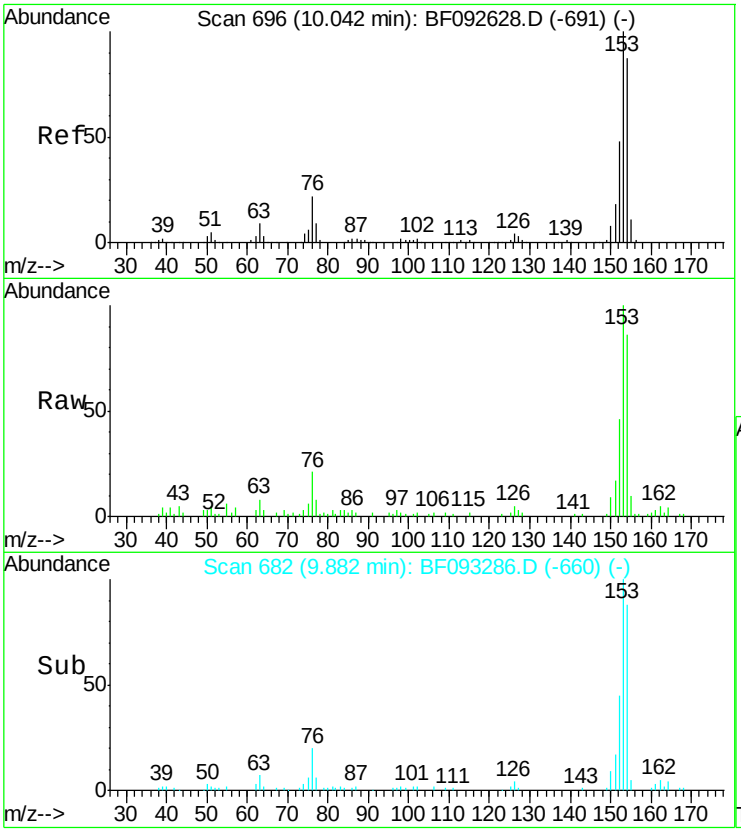


#49
Dimethylphthalate
Concen: 2.70 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:163 Resp: 33412

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.4
164	9.7	8.0	12.0

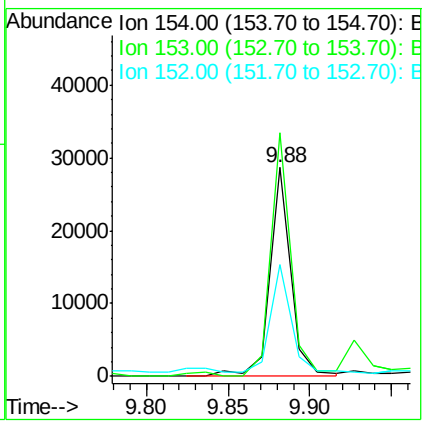




#51
Acenaphthene
Concen: 2.37 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:154 Resp: 25511

Ion	Ratio	Lower	Upper
154	100		
153	116.5	88.6	133.0
152	53.6	41.6	62.4



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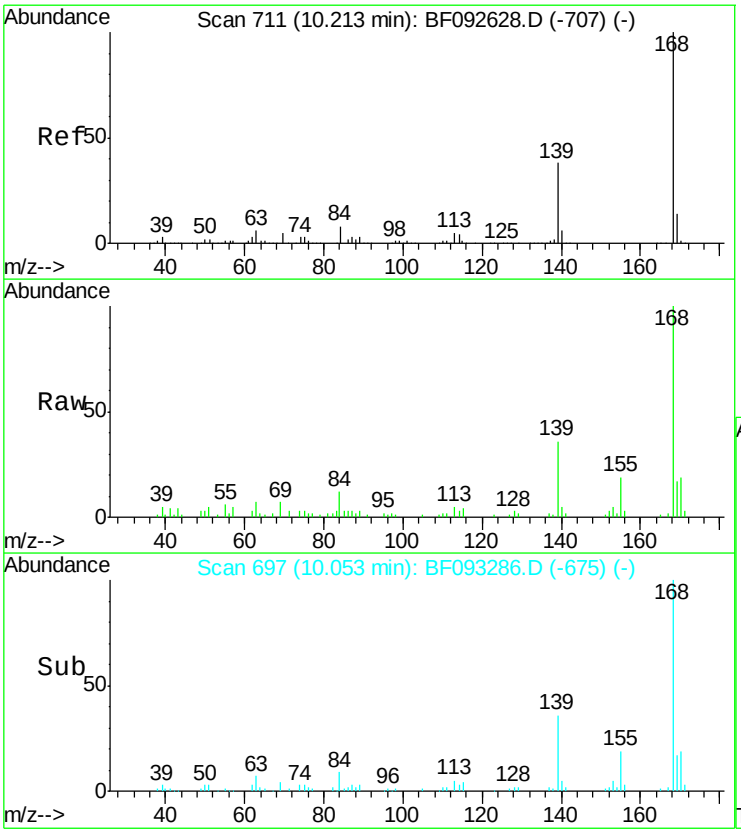
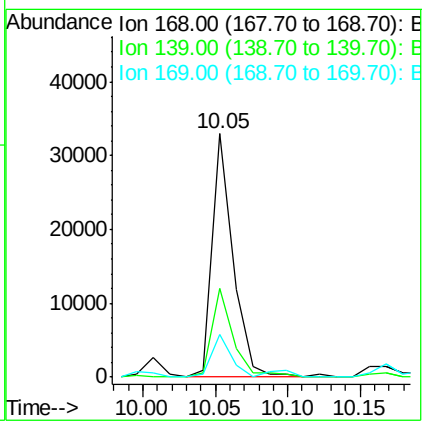
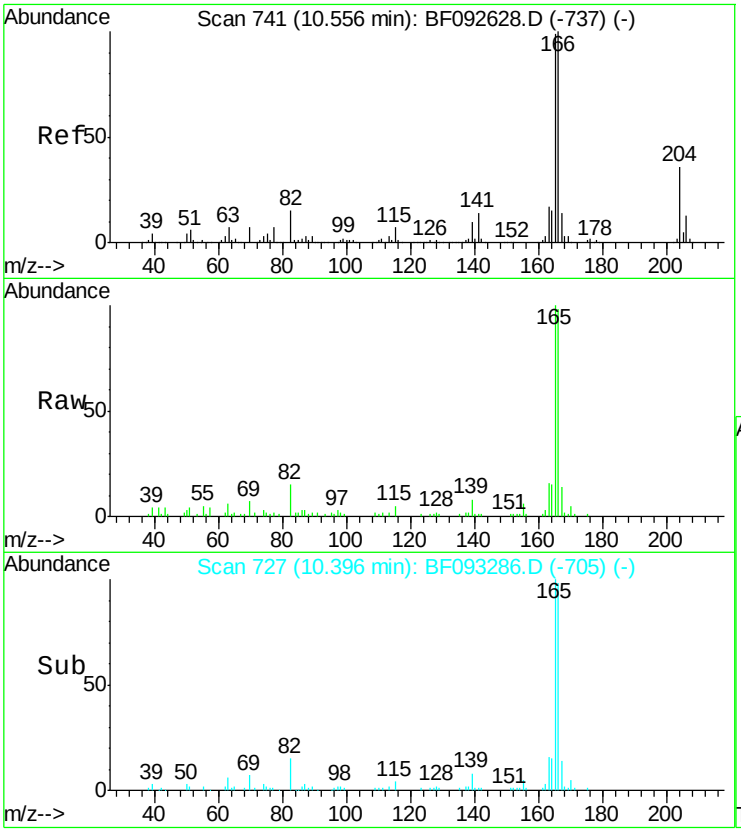


#54
Dibenzofuran
Concen: 2.30 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:168 Resp: 33102

Ion	Ratio	Lower	Upper
168	100		
139	36.5	32.6	49.0
169	17.4	11.3	16.9#

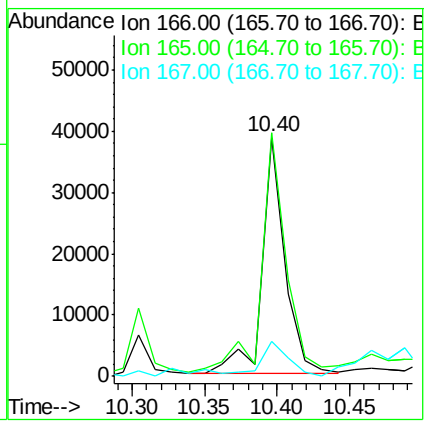




#57
Fluorene
Concen: 3.85 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:166 Resp: 42668

Ion	Ratio	Lower	Upper
166	100		
165	101.9	77.8	116.8
167	14.7	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227DL

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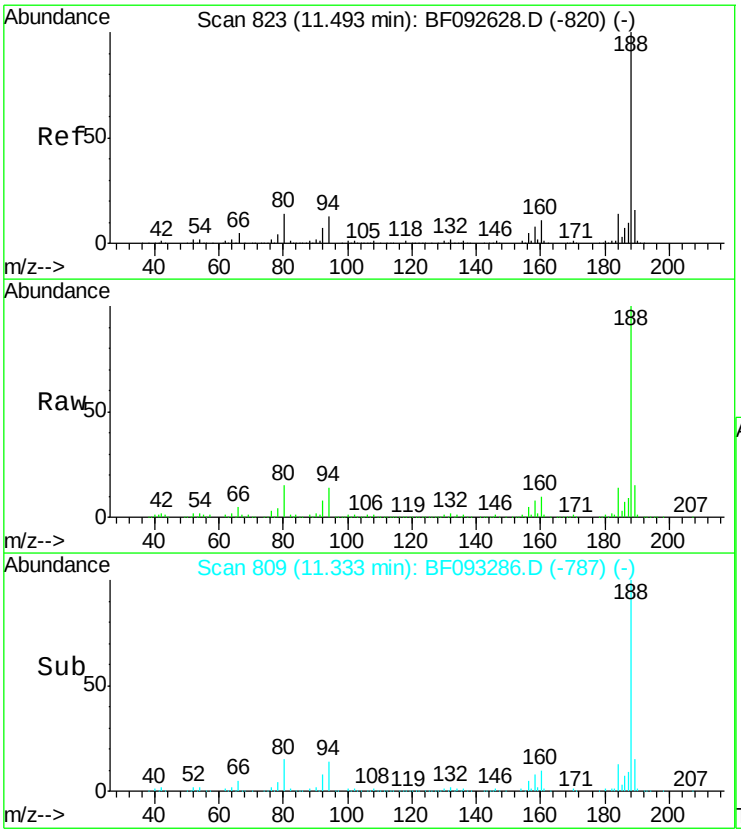
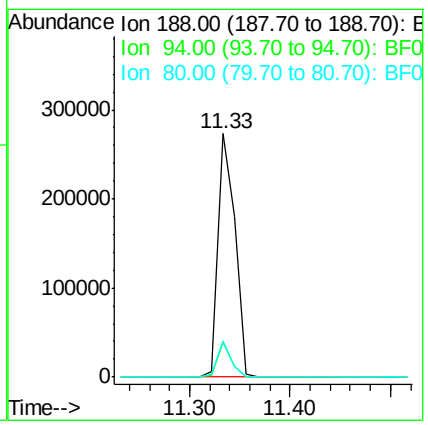
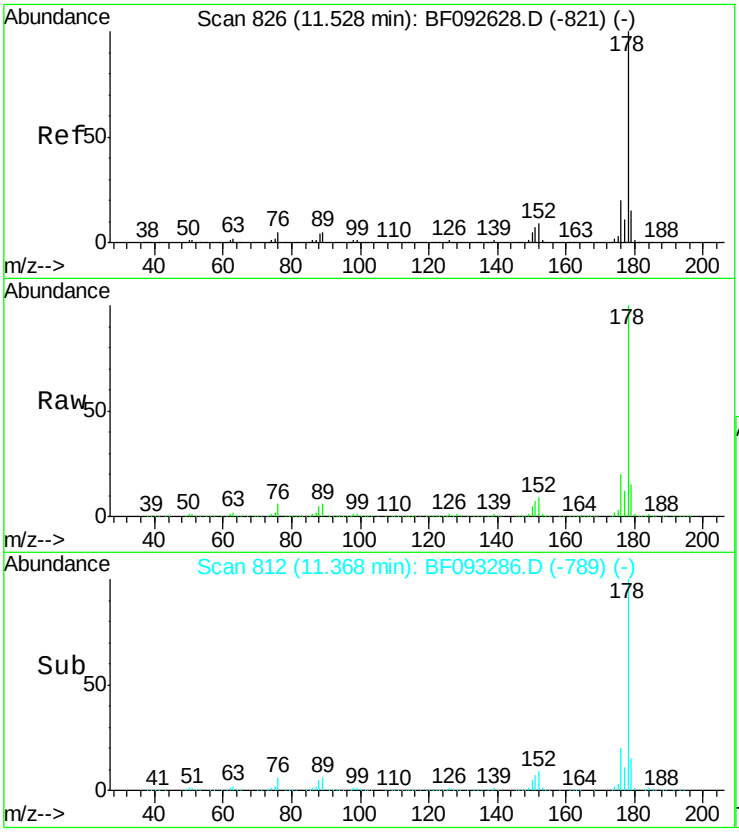


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:188 Resp: 319891

Ion	Ratio	Lower	Upper
188	100		
94	14.5	10.0	15.0
80	15.1	11.2	16.8

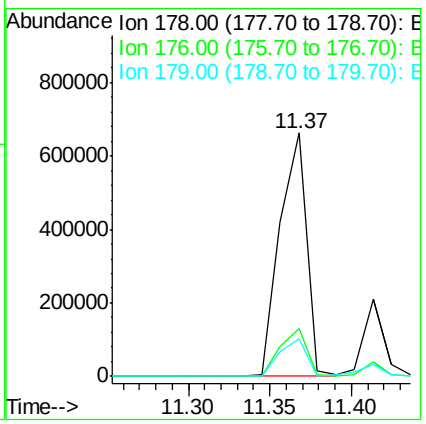




#70
Phenanthrene
Concen: 41.45 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:178 Resp: 759694

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.6	25.0
179	15.3	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
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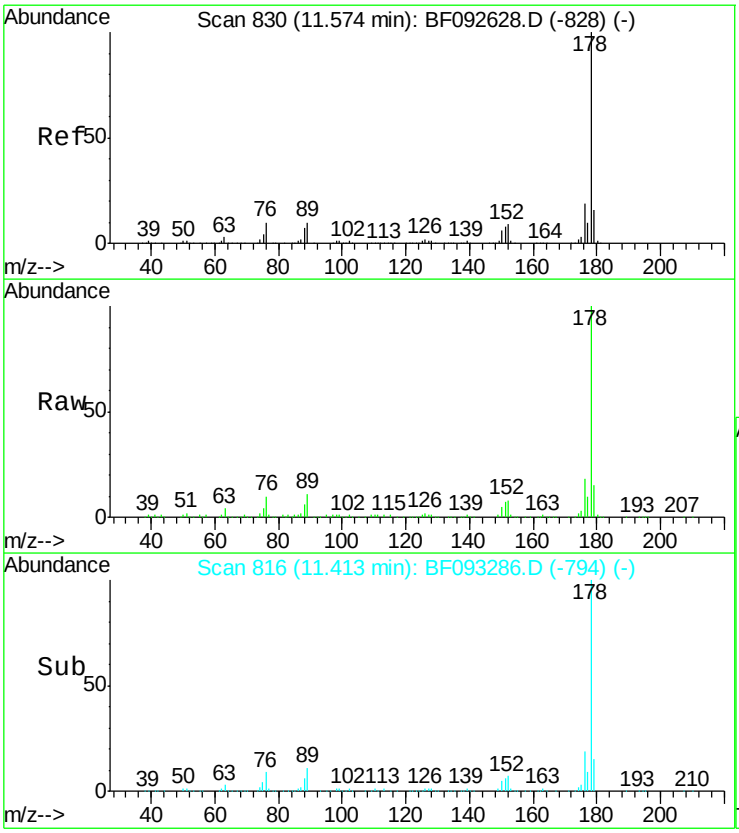
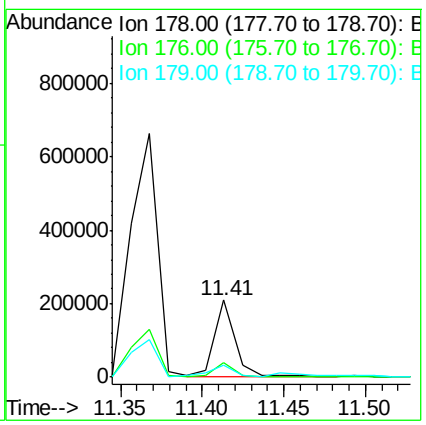
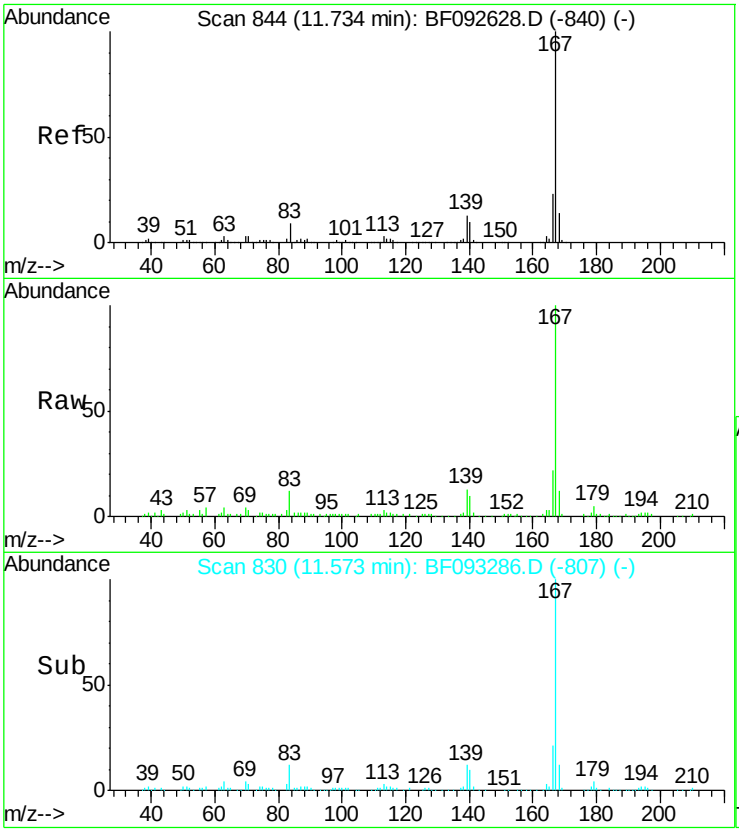


#71
Anthracene
Concen: 9.94 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:178 Resp: 182867

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.9	23.9
179	14.8	13.2	19.8

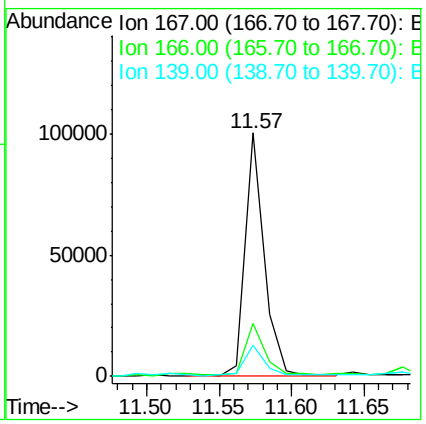




#72
Carbazole
Concen: 5.16 ng
RT: 11.57 min Scan# 830
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:167 Resp: 90838

Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.2	27.2
139	12.8	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
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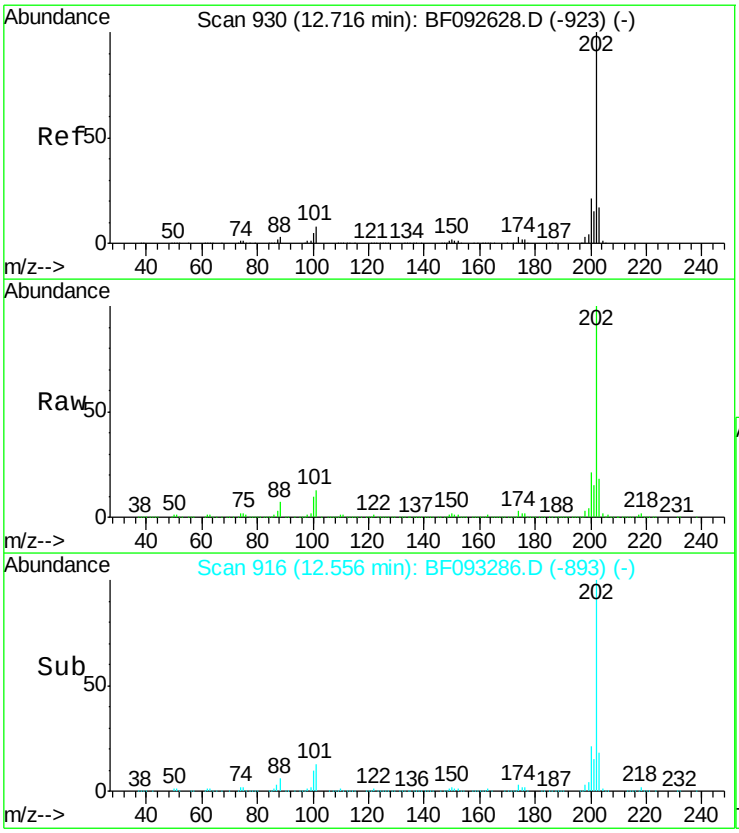
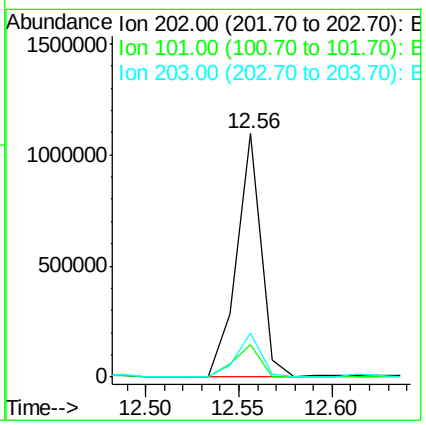
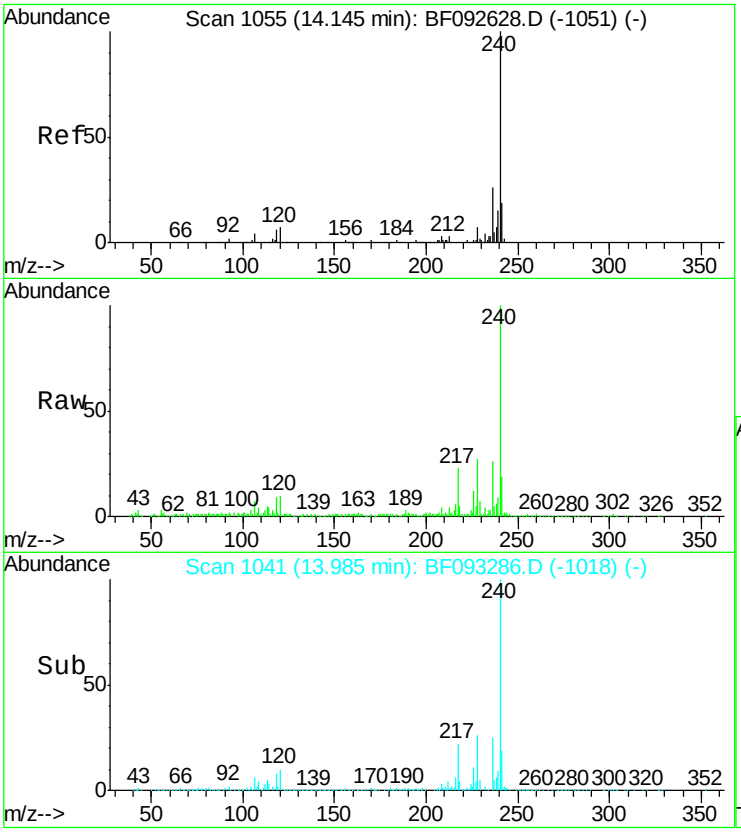


#74
Fluoranthene
Concen: 53.01 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:202 Resp: 1002134

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.6
203	18.0	0.0	38.7

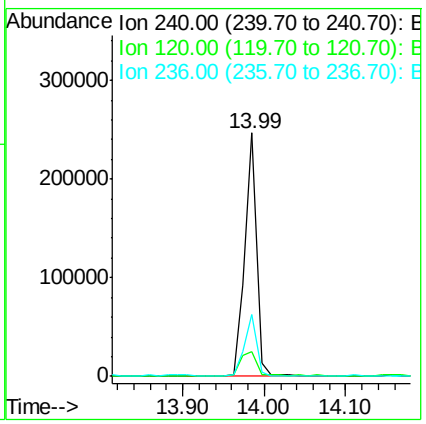




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:240 Resp: 245737

Ion	Ratio	Lower	Upper
240	100		
120	9.9	12.9	19.3#
236	25.6	20.9	31.3



Instrument :
BNA_F
ClientSampleId :
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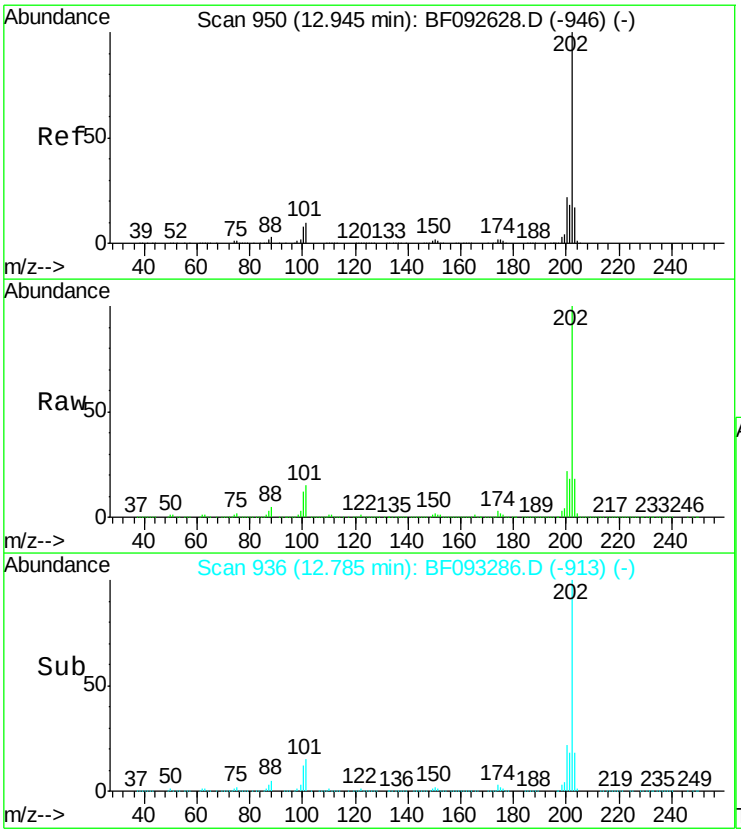
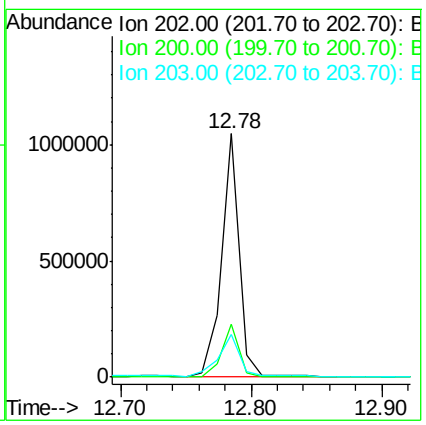
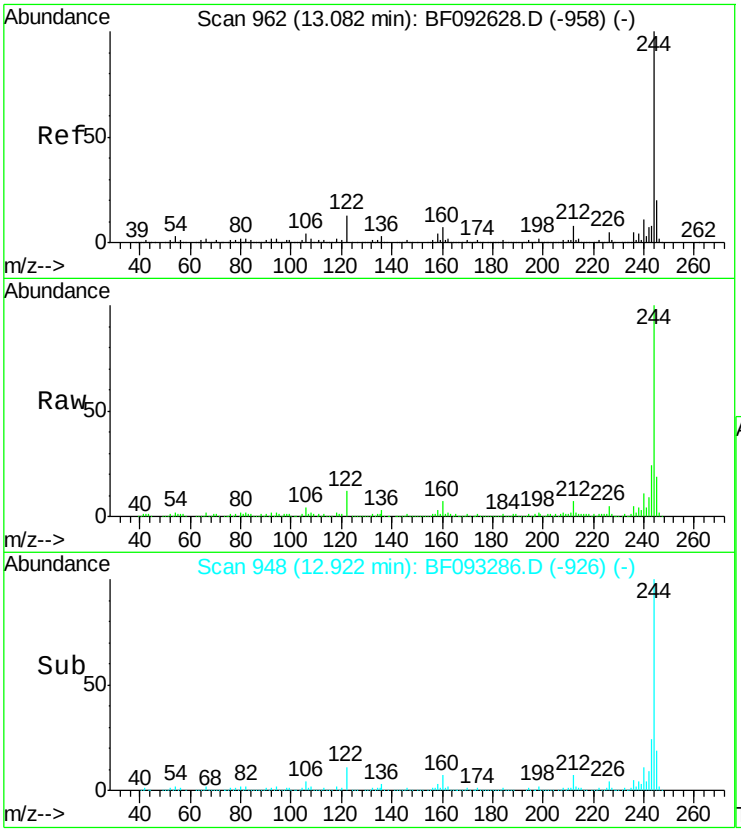


#77
Pyrene
Concen: 53.56 ng
RT: 12.78 min Scan# 936
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:202 Resp: 985035

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.7	26.5
203	17.8	14.7	22.1

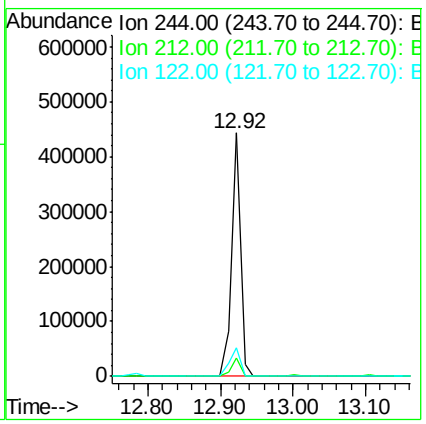




#78
Terphenyl-d14
Concen: 36.26 ng
RT: 12.92 min Scan# 948
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:244 Resp: 379186

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.2
122	11.5	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227DL

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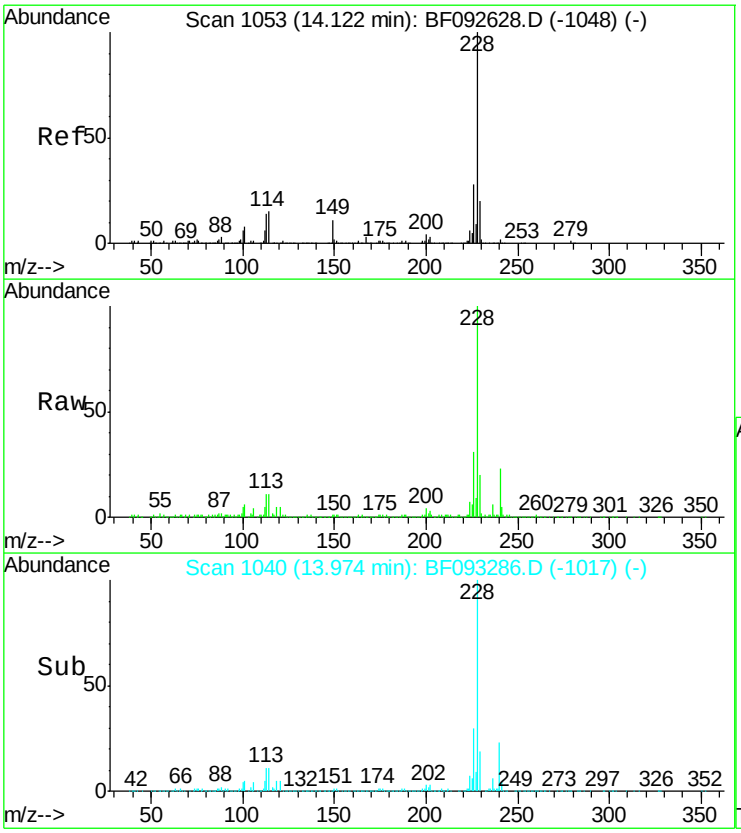
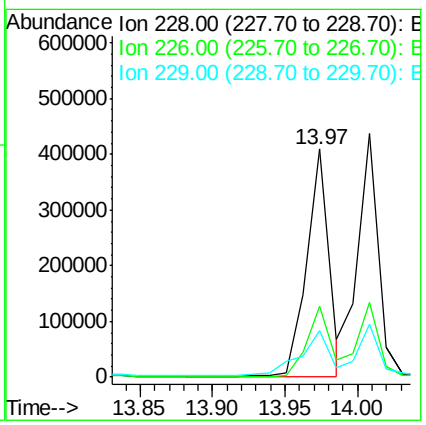
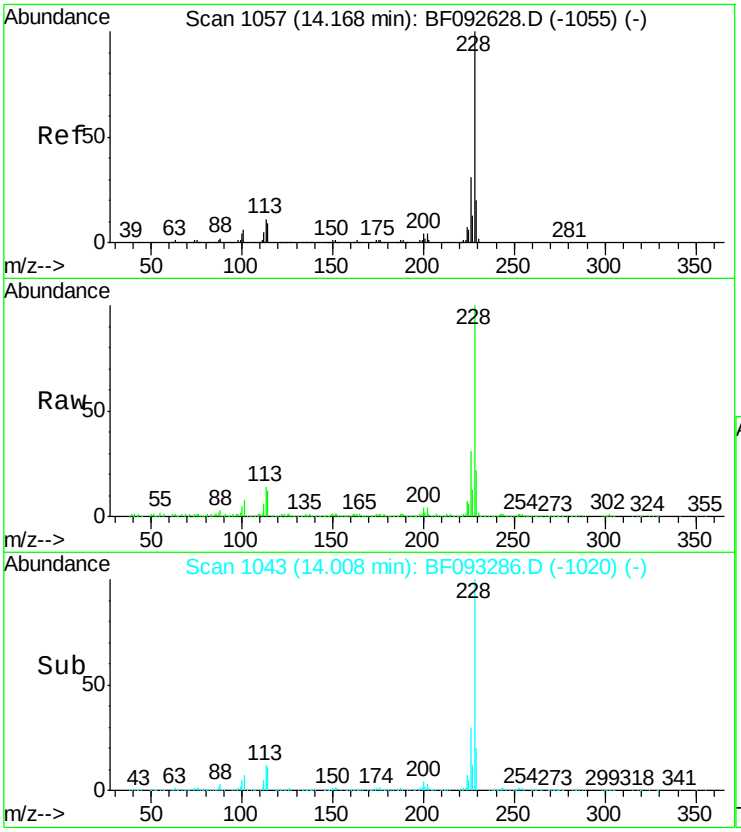


#80
Benzo(a)anthracene
Concen: 28.78 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:228 Resp: 432589

Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.4	33.6
229	20.2	16.2	24.4

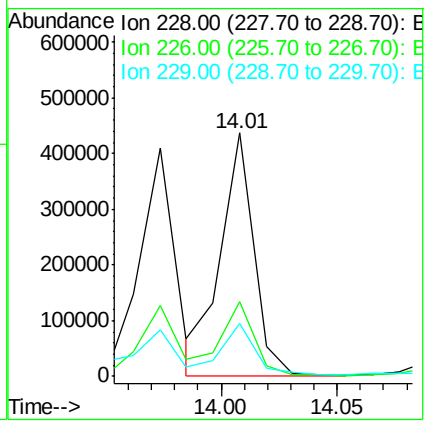




#82
Chrysene
Concen: 30.83 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:228 Resp: 433888

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.0
229	21.7	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227DL

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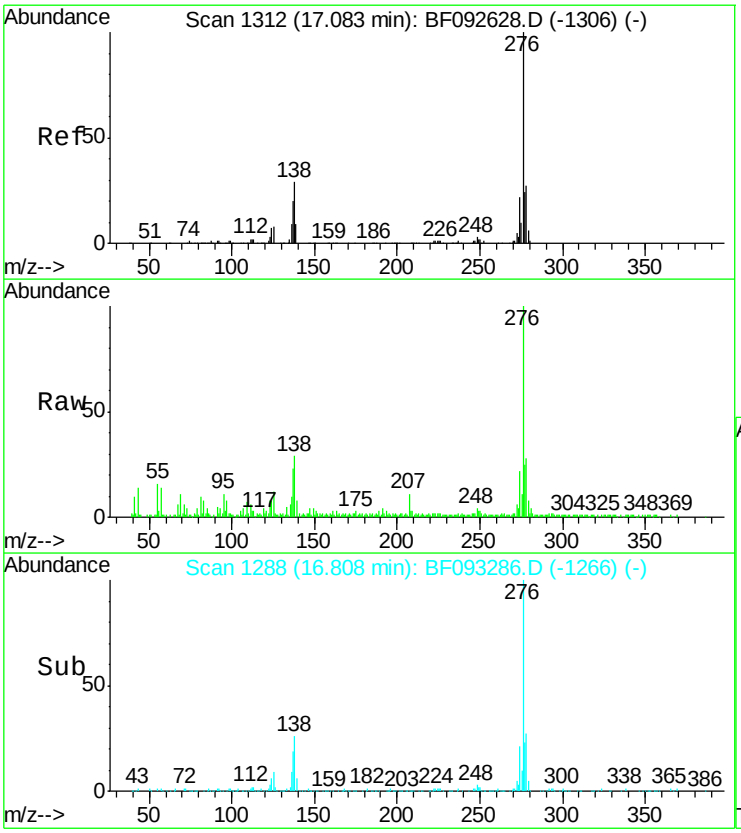
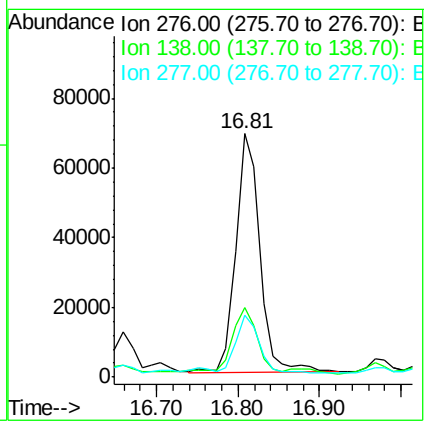
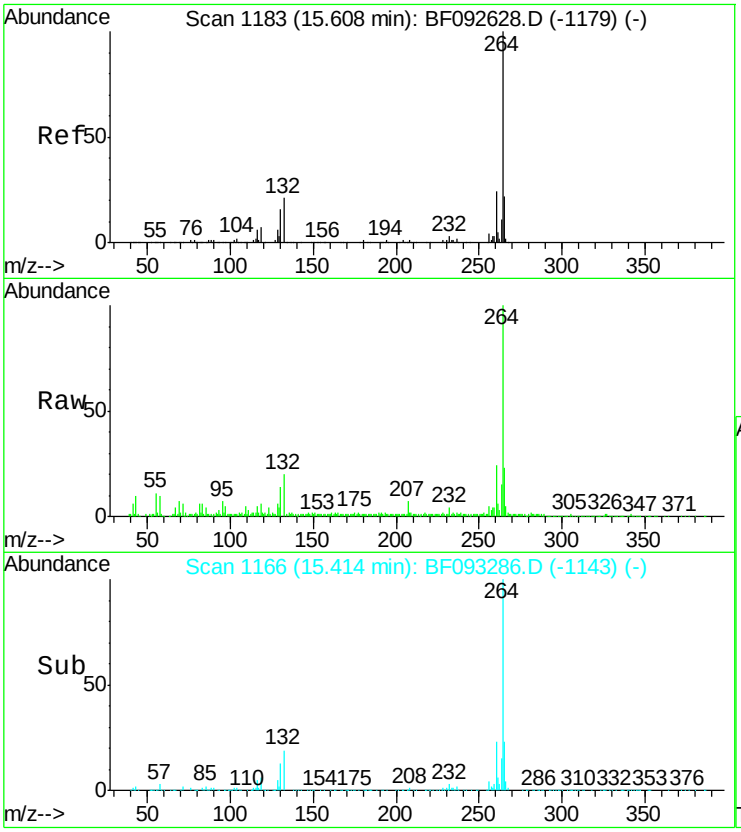


#85
Indeno(1,2,3-cd)pyrene
Concen: 12.83 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:276 Resp: 139810

Ion	Ratio	Lower	Upper
276	100		
138	28.3	21.8	32.6
277	23.5	20.2	30.4

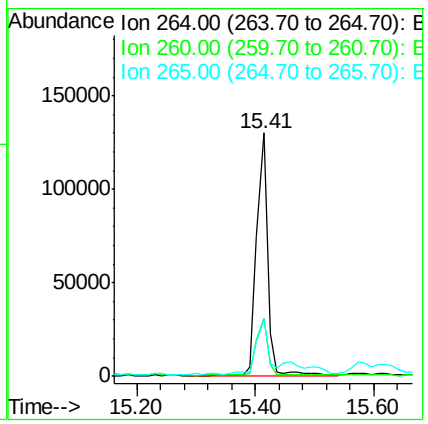




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:264 Resp: 166945

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	23.3	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227DL

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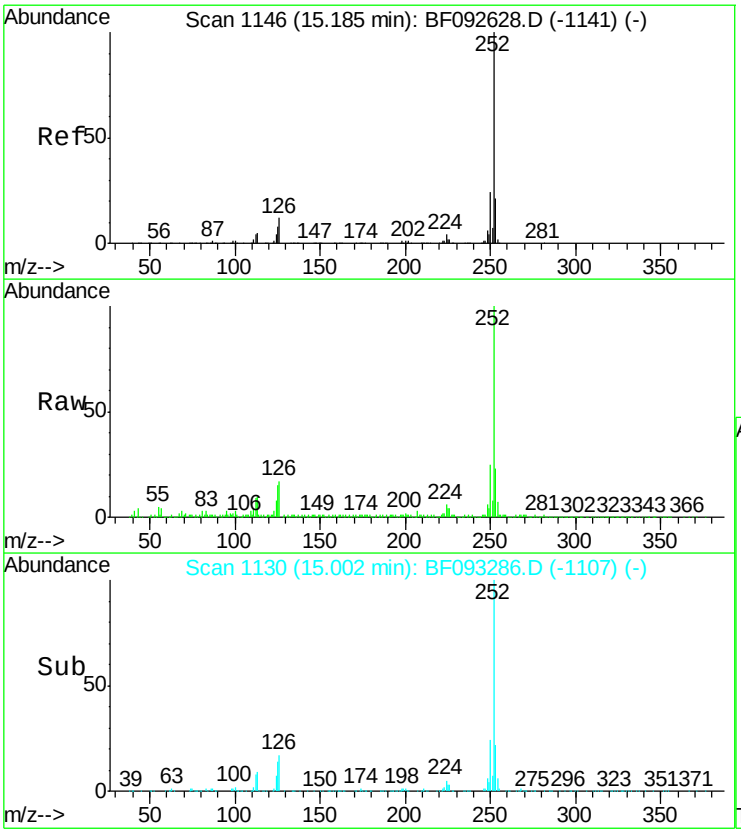
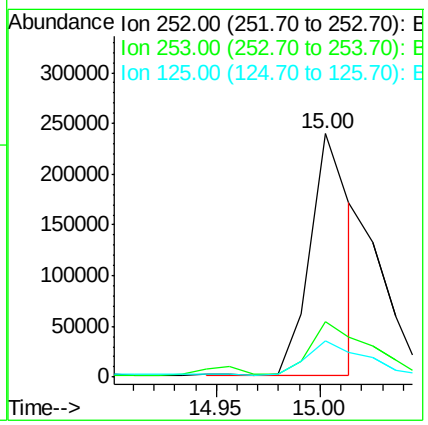
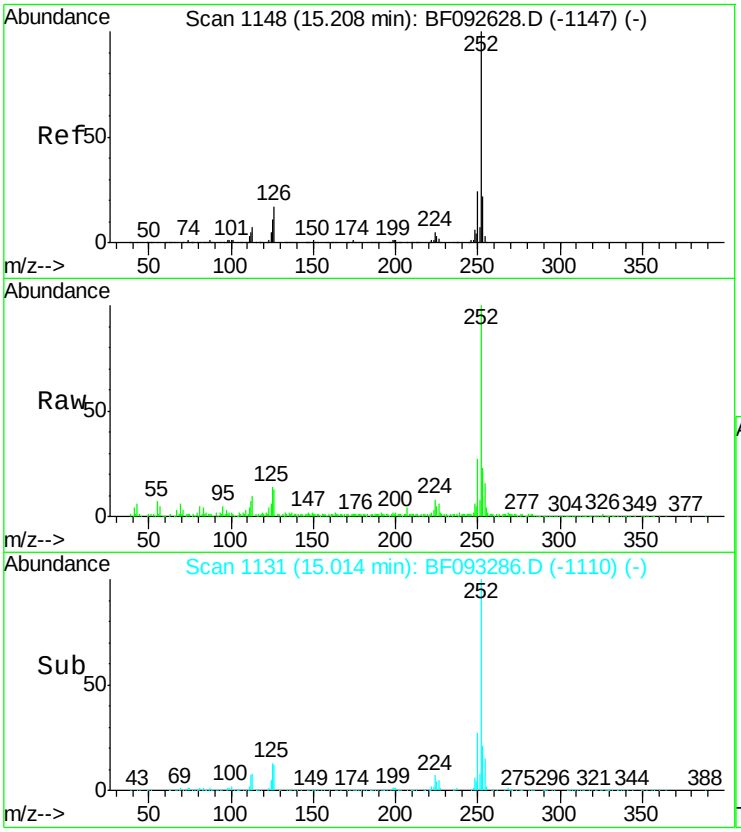


#87
Benzo(b)fluoranthene
Concen: 29.47 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:252 Resp: 323779

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	15.0	9.8	14.6#

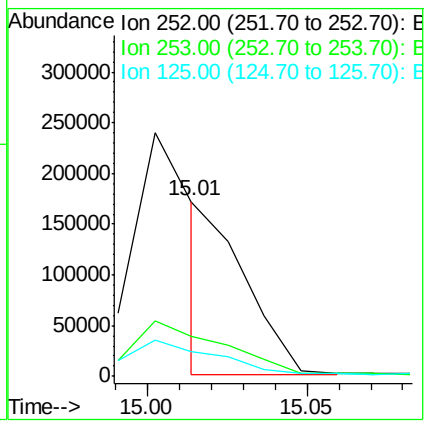




#88
Benzo(k)fluoranthene
Concen: 14.12 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:252 Resp: 133974

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	13.9	8.9	13.3#



Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227DL

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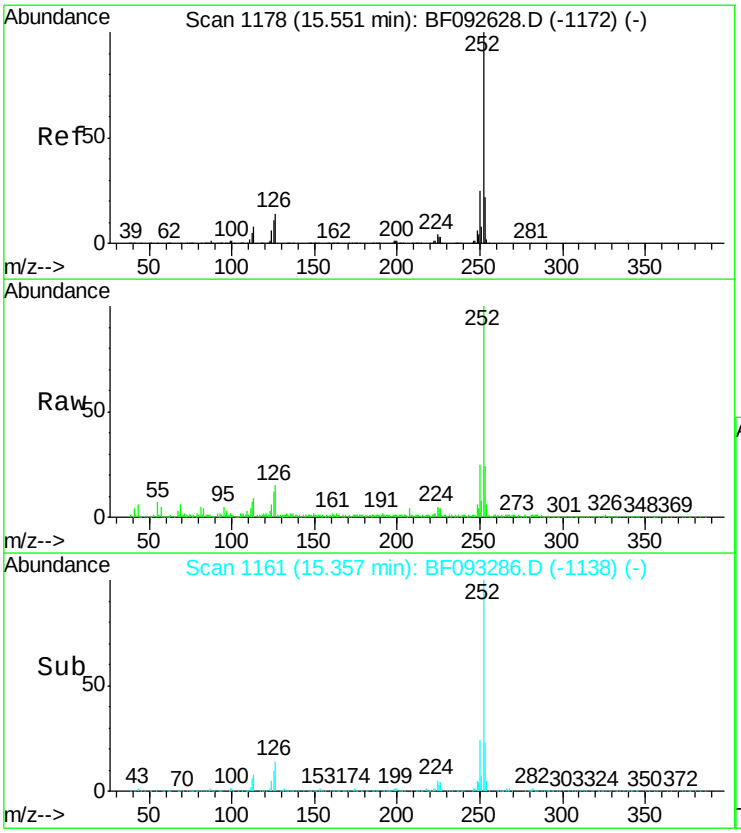
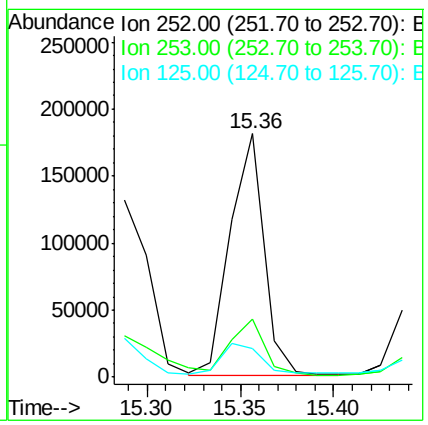
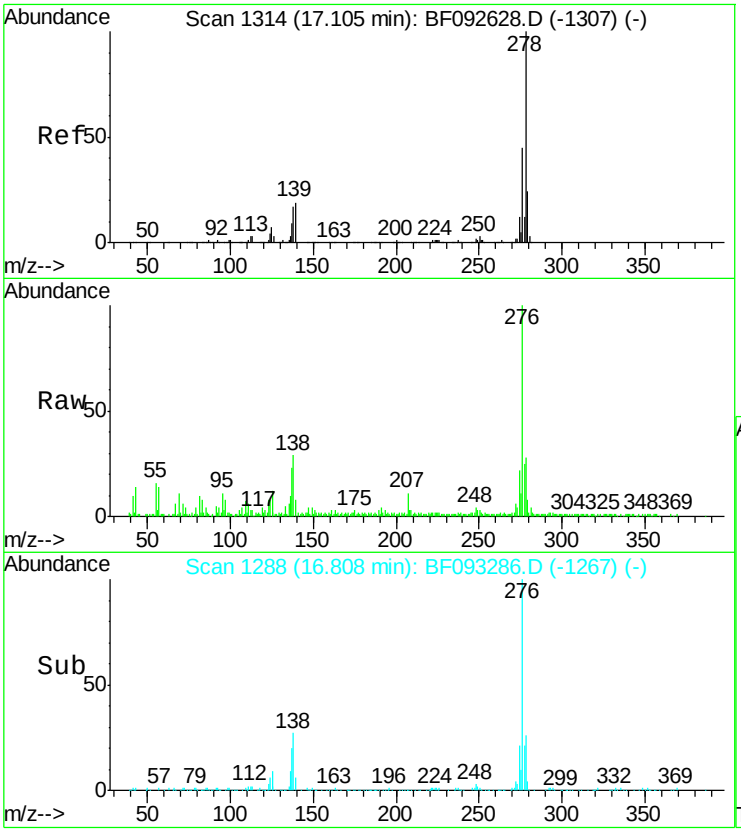


#89
Benzo(a)pyrene
Concen: 24.29 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:252 Resp: 230831

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	12.0	10.0	15.0

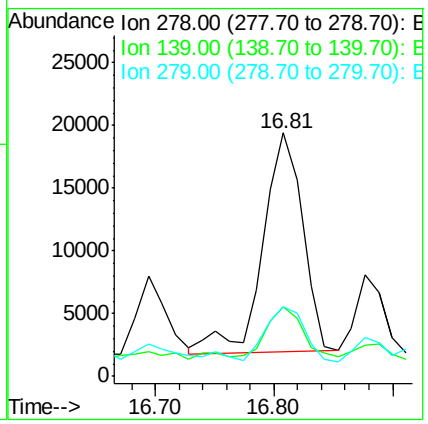




#90
Dibenzo(a,h)anthracene
Concen: 5.29 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.06 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:278 Resp: 40664

Ion	Ratio	Lower	Upper
278	100		
139	28.5	14.8	22.2#
279	28.3	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
TK3-11-20170227DL

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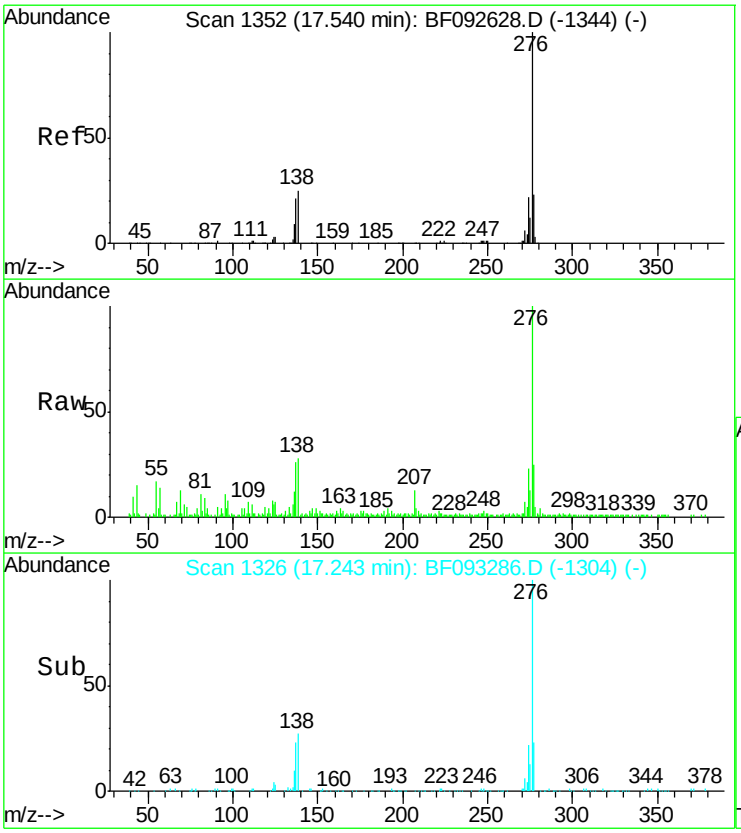

#91
Benzo(g,h,i)perylene
Concen: 17.77 ng
RT: 17.24 min Scan# 1326
Delta R.T. -0.05 min
Lab File: BF093286.D
Acq: 1 Mar 2017 11:05

Tgt Ion:276 Resp: 137916

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	28.1	16.0	24.0#