Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093283.D
Acq On : 1 Mar 2017 9:41
Operator : SJ/MA
Sample : I2017-10DL 2X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227DL

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Quant Time: Mar 01 10:24:55 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	122998	20.00	ng		-0.05
21) Naphthalene-d8	8.10	136	445669	20.00	ng		-0.05
38) Acenaphthene-d10	9.85	164	181400	20.00	ng		-0.05
63) Phenanthrene-d10	11.33	188	316563	20.00	ng		-0.05
75) Chrysene-d12	13.99	240	244847	20.00	ng		-0.03
86) Perylene-d12	15.41	264	169274	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	446185	62.24	ng		-0.03
7) Phenol-d6	6.46	99	577044	62.56	ng		-0.02
23) Nitrobenzene-d5	7.38	82	298106	37.25	ng		-0.05
41) 2,4,6-Tribromophenol	10.65	330	82507	62.89	ng		-0.03
44) 2-Fluorobiphenyl	9.17	172	499242	49.86	ng		-0.05
78) Terphenyl-d14	12.92	244	367321	35.25	ng		-0.05
Target Compounds							Qvalue
10) Phenol	6.48	94	42761	3.96	ng		83
48) Acenaphthylene	9.71	152	191319	10.78	ng		98
49) Dimethylphthalate	9.57	163	37085	3.04	ng		97
54) Dibenzofuran	10.05	168	40489	2.85	ng		96
57) Fluorene	10.40	166	39888	3.65	ng		96
70) Phenanthrene	11.37	178	704591	38.85	ng		97
71) Anthracene	11.41	178	159887	8.78	ng		98
72) Carbazole	11.57	167	82882	4.76	ng		99
74) Fluoranthene	12.56	202	992930	53.08	ng		97
77) Pyrene	12.79	202	884487	48.27	ng		99
80) Benzo(a)anthracene	13.97	228	372745	24.89	ng		95
82) Chrysene	14.01	228	371644m	26.51	ng		
85) Indeno(1,2,3-cd)pyrene	16.82	276	168367	15.50	ng		97
87) Benzo(b)fluoranthene	15.00	252	436850m	39.21	ng		
88) Benzo(k)fluoranthene	15.03	252	78721m	8.18	ng		
89) Benzo(a)pyrene	15.36	252	236964	24.59	ng		98
90) Dibenzo(a,h)anthracene	16.81	278	42652	5.48	ng	#	82
91) Benzo(g,h,i)perylene	17.24	276	156514	19.89	ng	#	89

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

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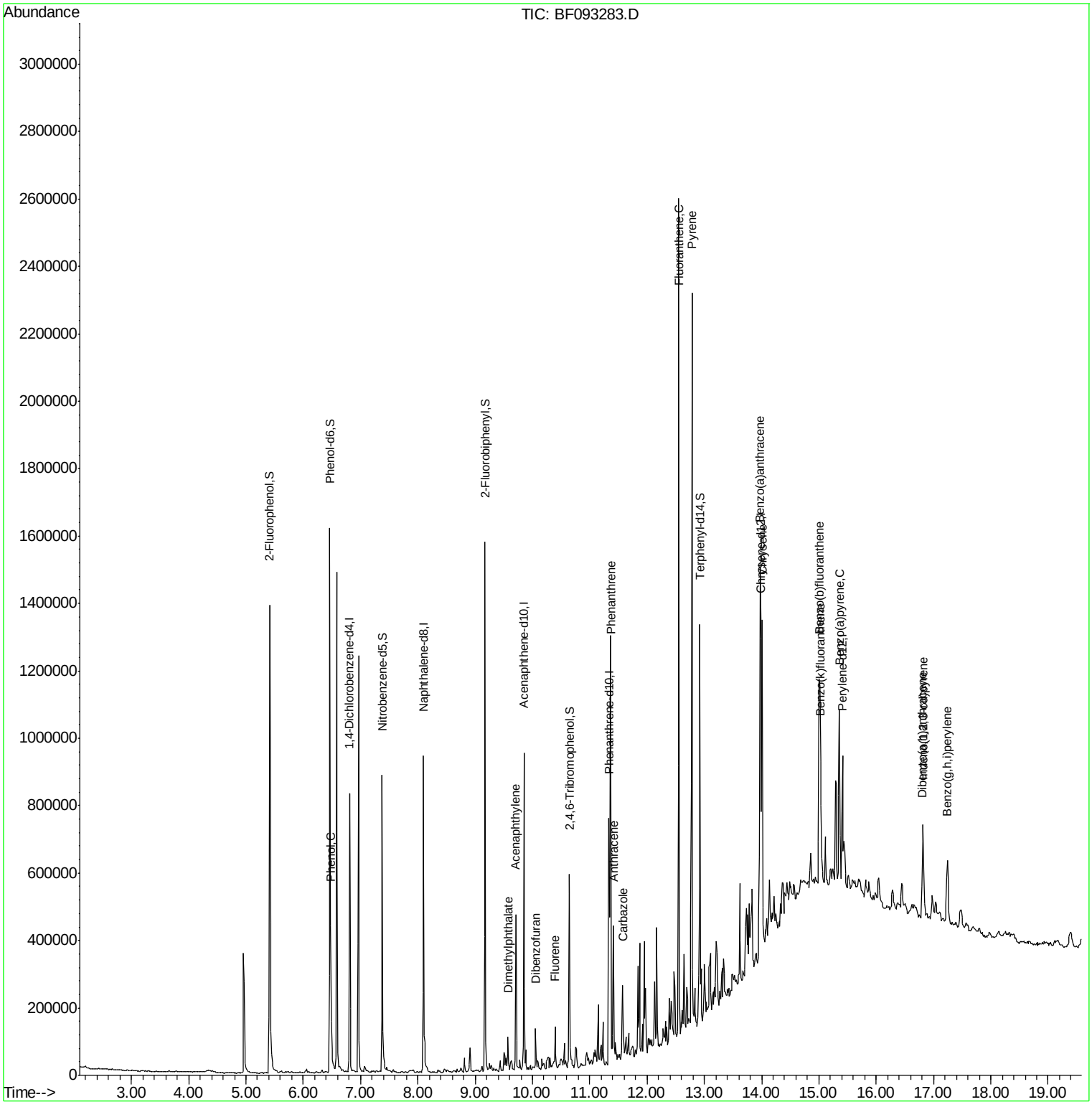
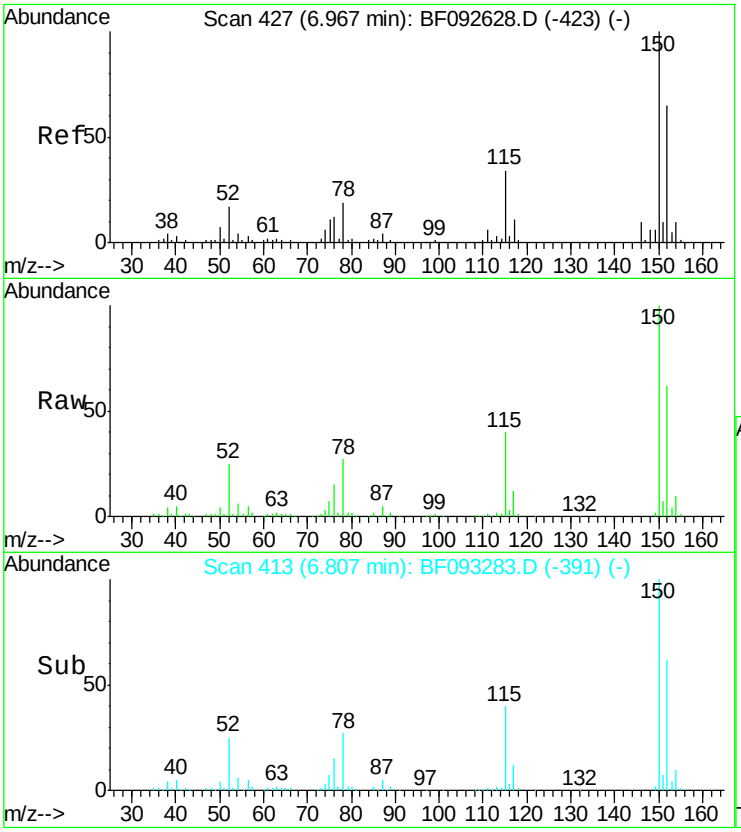
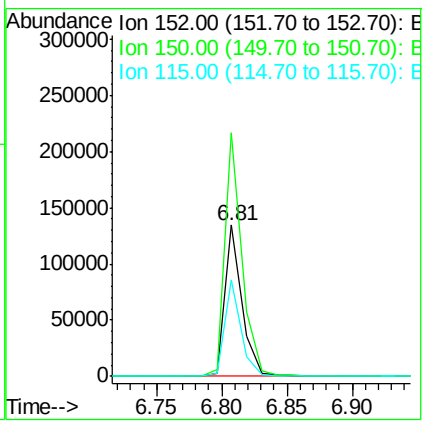




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:152 Resp: 122998

Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.9	187.3
115	64.1	46.0	69.0



Instrument :
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ClientSampleId :
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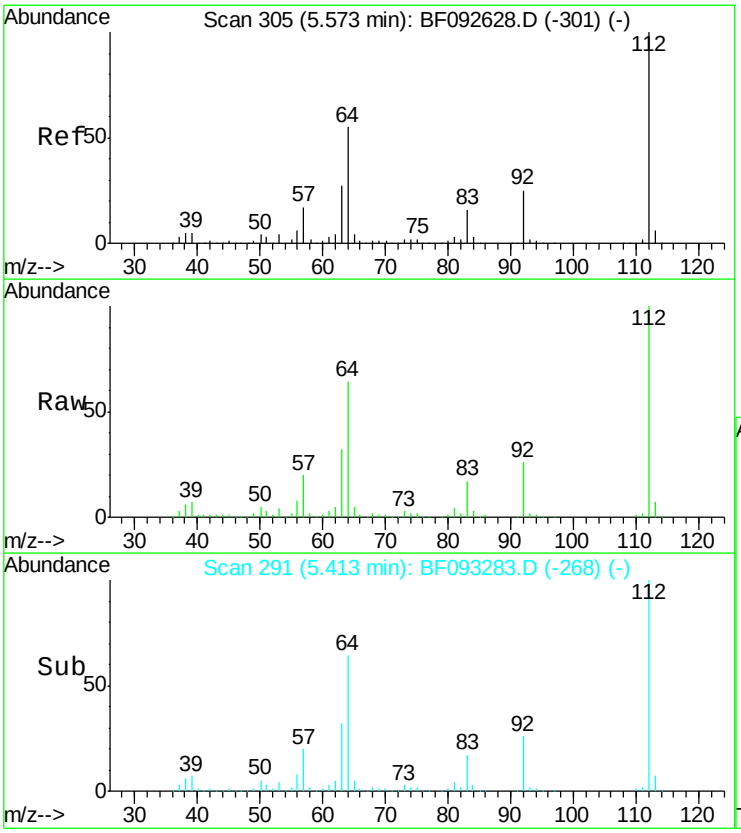
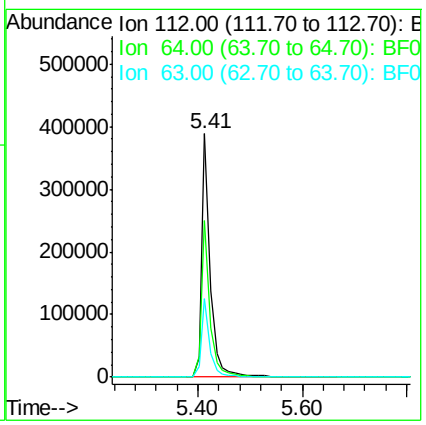
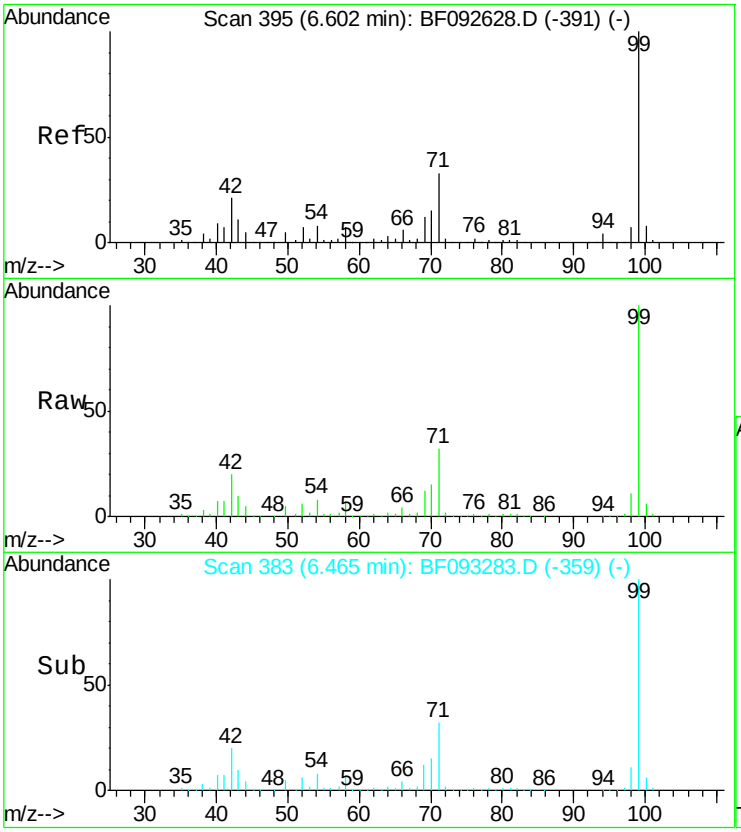


#5
2-Fluorophenol
Concen: 62.24 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:112 Resp: 446185

Ion	Ratio	Lower	Upper
112	100		
64	64.1	46.1	69.1
63	32.4	23.8	35.6

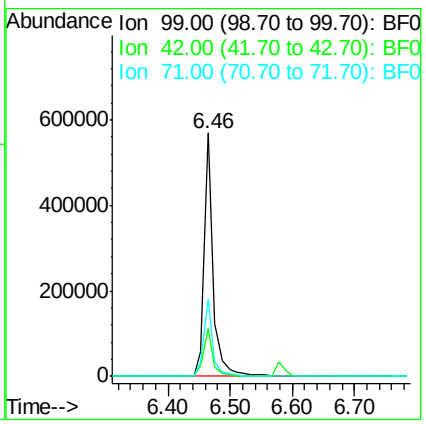




#7
Phenol-d6
Concen: 62.56 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.02 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion: 99 Resp: 577044

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.6	23.4
71	31.7	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227DL

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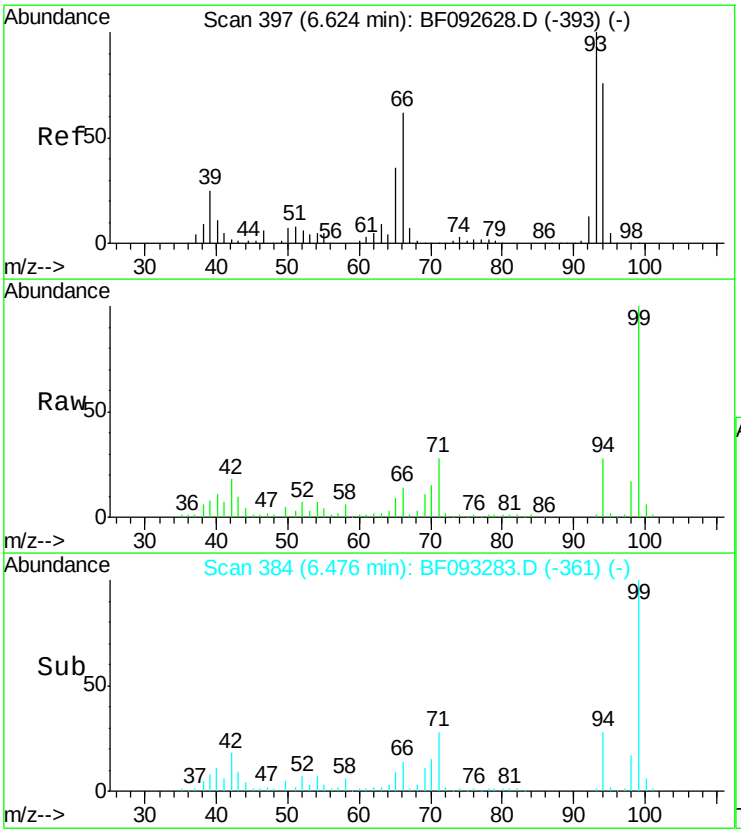
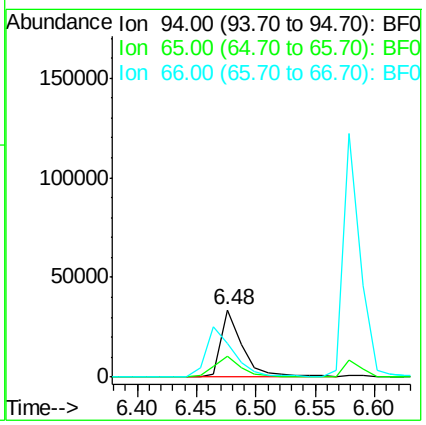
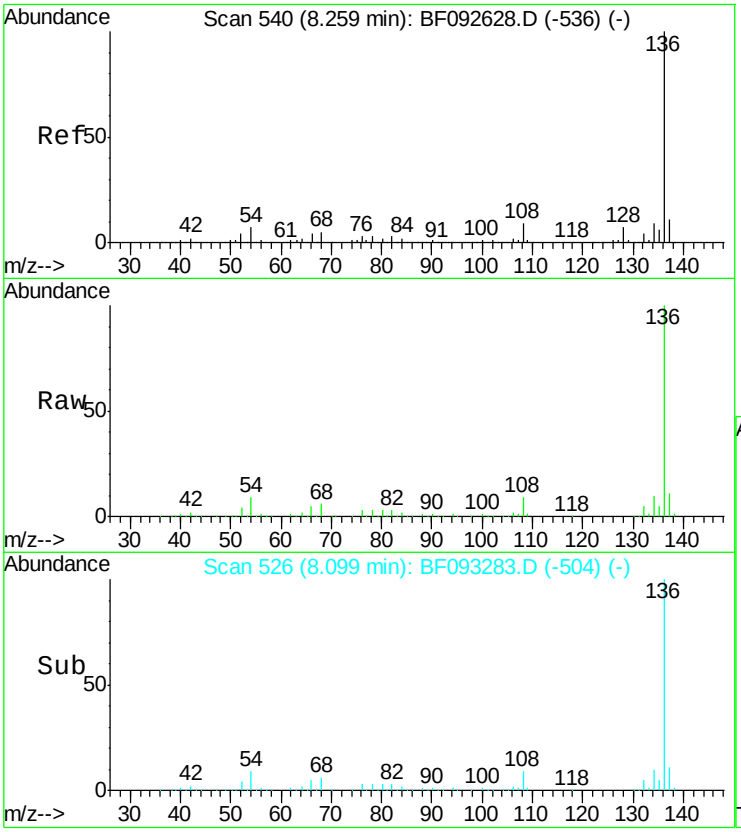


#10
Phenol
Concen: 3.96 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.03 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion: 94 Resp: 42761

Ion	Ratio	Lower	Upper
94	100		
65	31.6	21.4	61.4
66	50.1	44.0	84.0

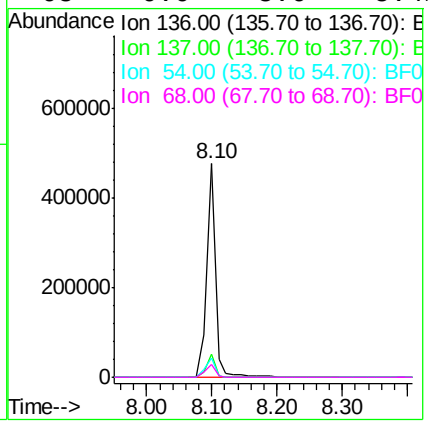




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:136 Resp: 445669

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	8.8	4.5	6.7#
68	6.0	3.6	5.4#



Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227DL

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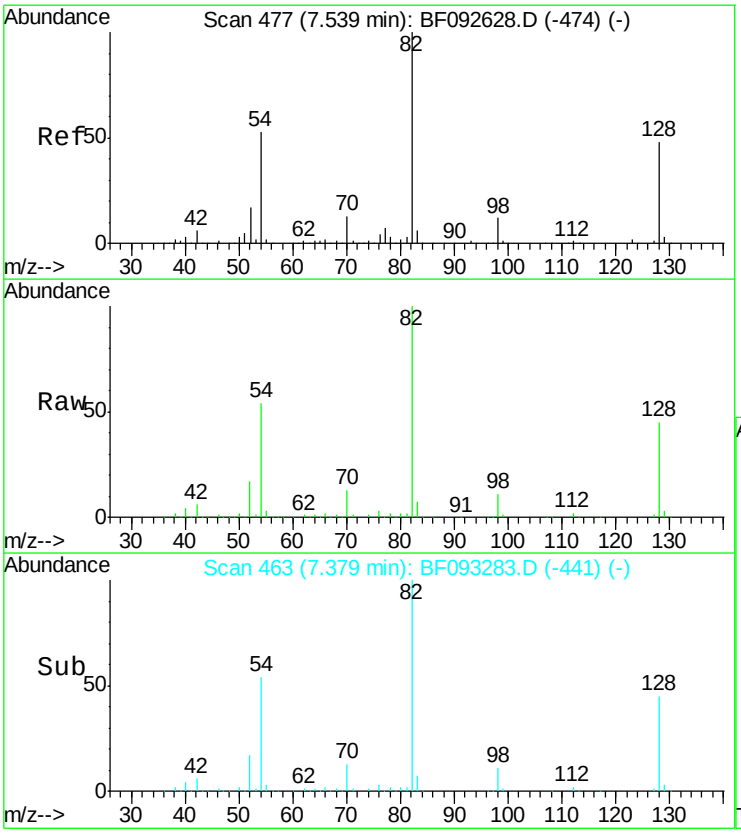
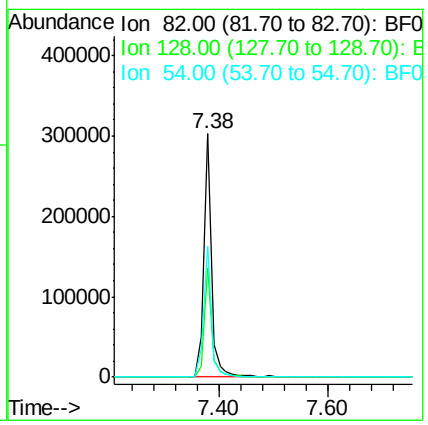
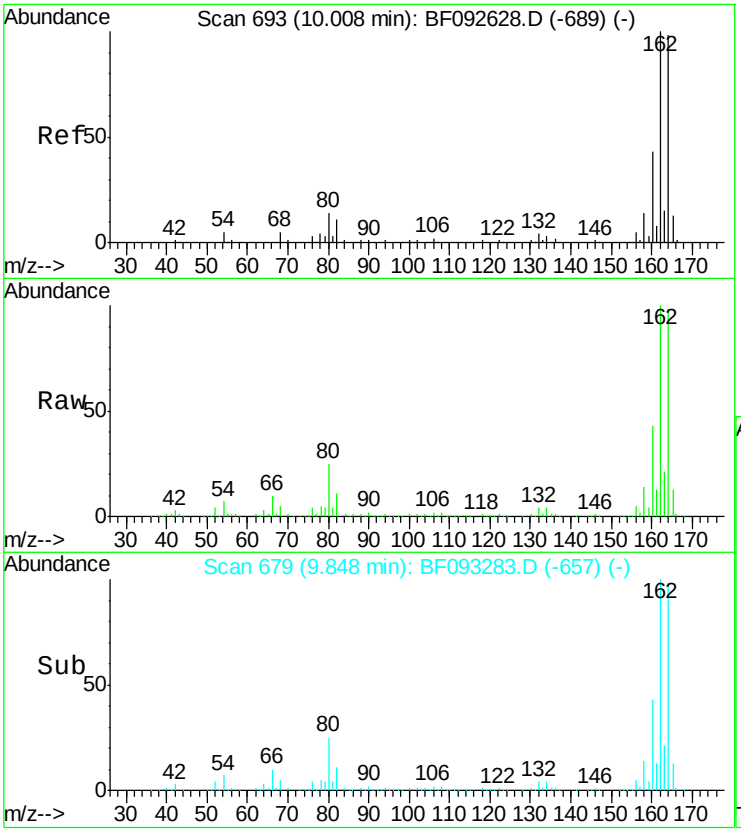


#23
Nitrobenzene-d5
Concen: 37.25 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion: 82 Resp: 298106

Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.6	52.0
54	53.8	39.5	59.3

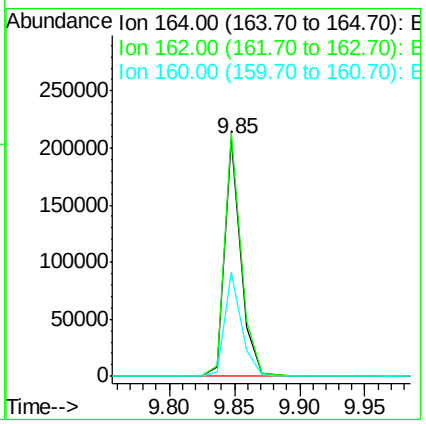




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:164 Resp: 181400

Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.2	120.2
160	43.9	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227DL

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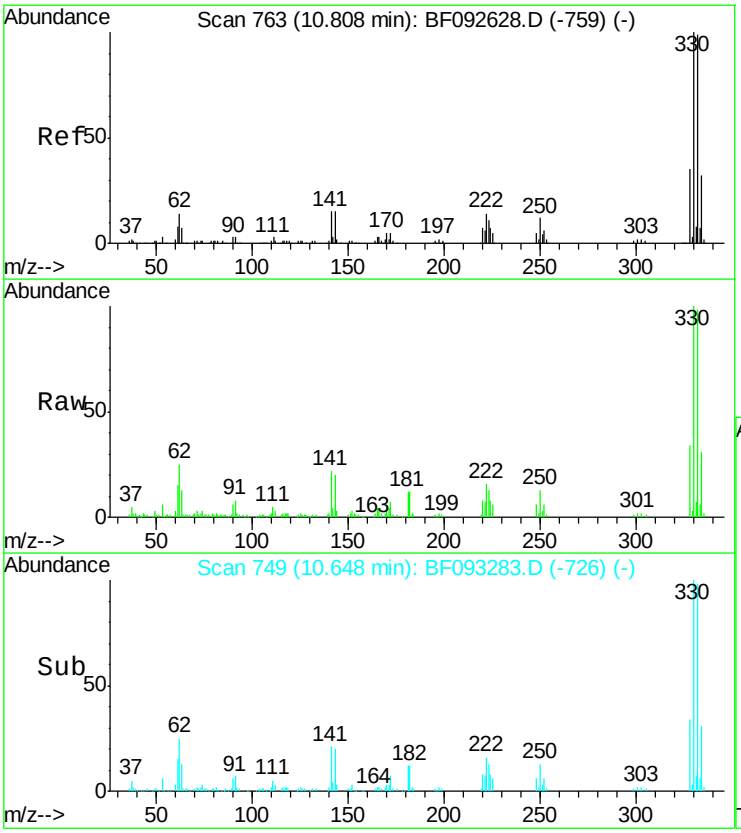
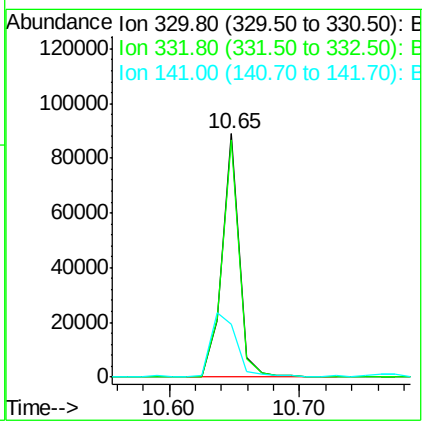
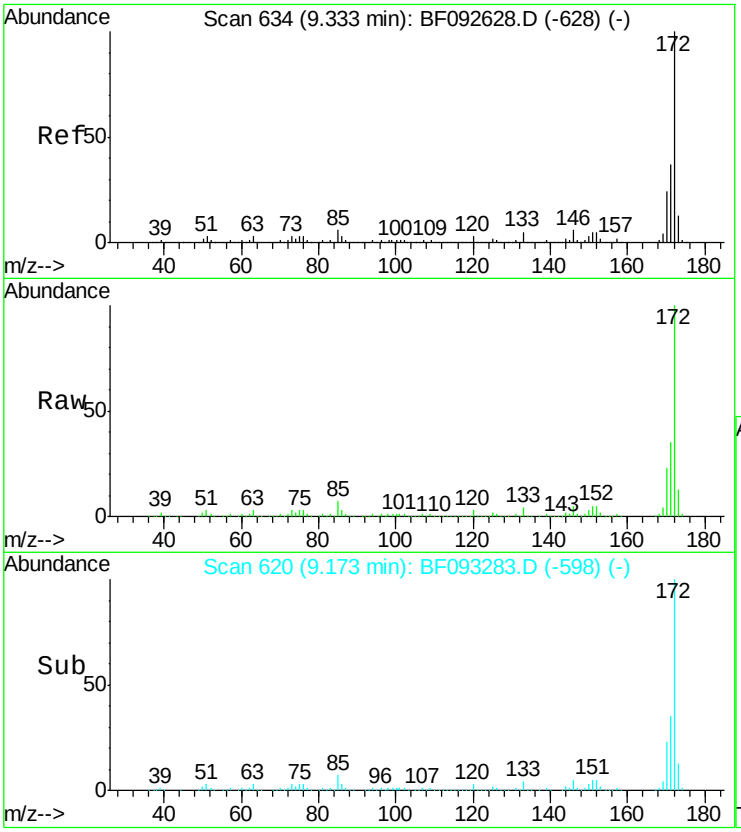


#41
2,4,6-Tribromophenol
Concen: 62.89 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.03 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:330 Resp: 82507

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.4	116.2
141	40.4	34.1	51.1

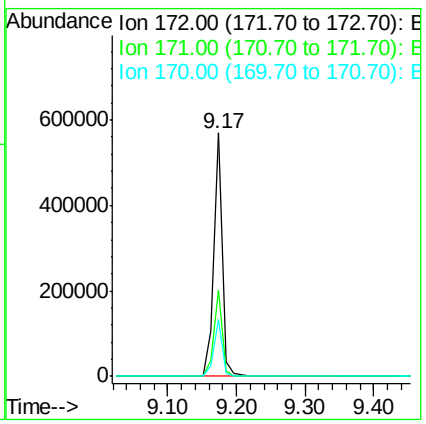




#44
2-Fluorobiphenyl
Concen: 49.86 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:172 Resp: 499242

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.4	44.0
170	23.5	20.2	30.4



Instrument :
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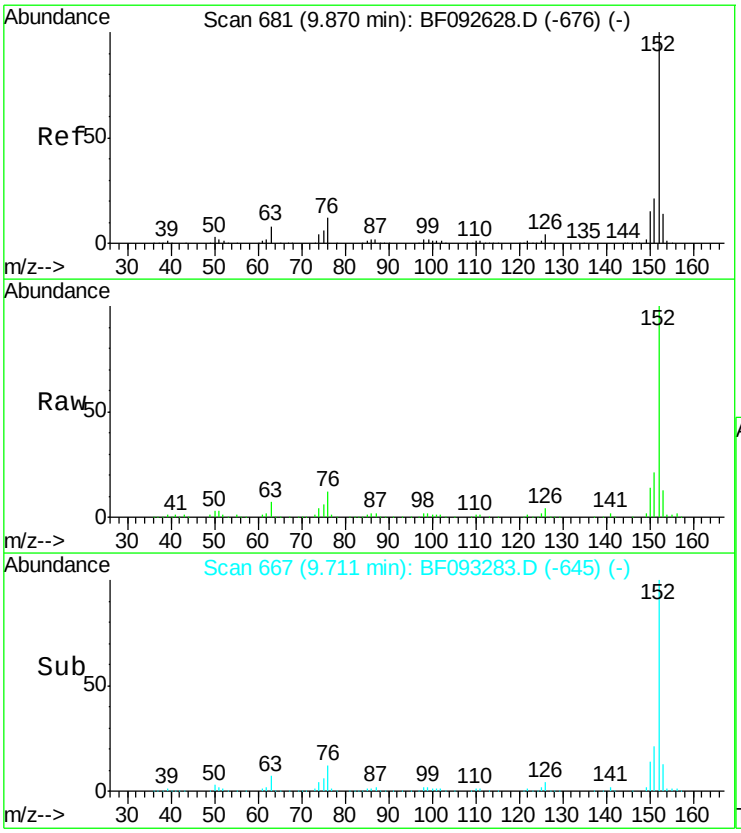
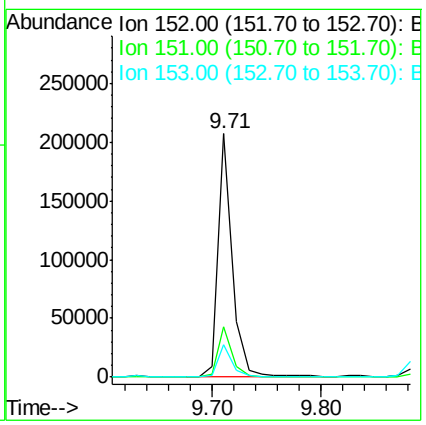
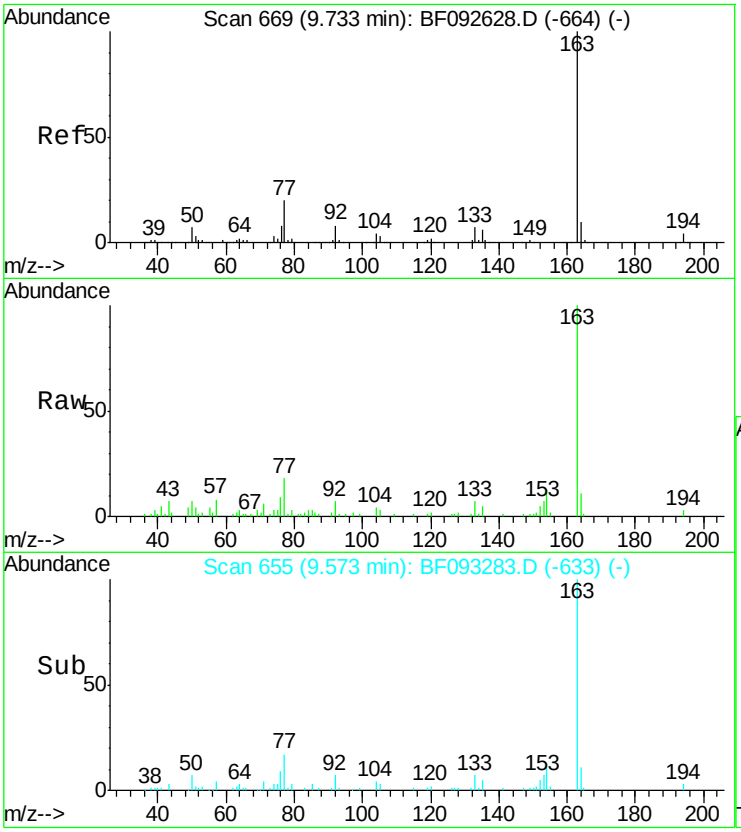


#48
Acenaphthylene
Concen: 10.78 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:152 Resp: 191319

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.9	25.3
153	13.3	11.4	17.2

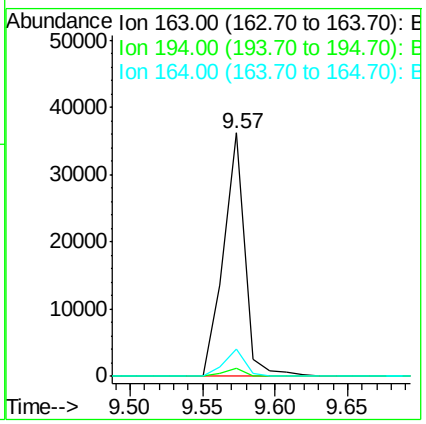




#49
Dimethylphthalate
Concen: 3.04 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:163 Resp: 37085

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.4
164	11.2	8.0	12.0



Instrument :
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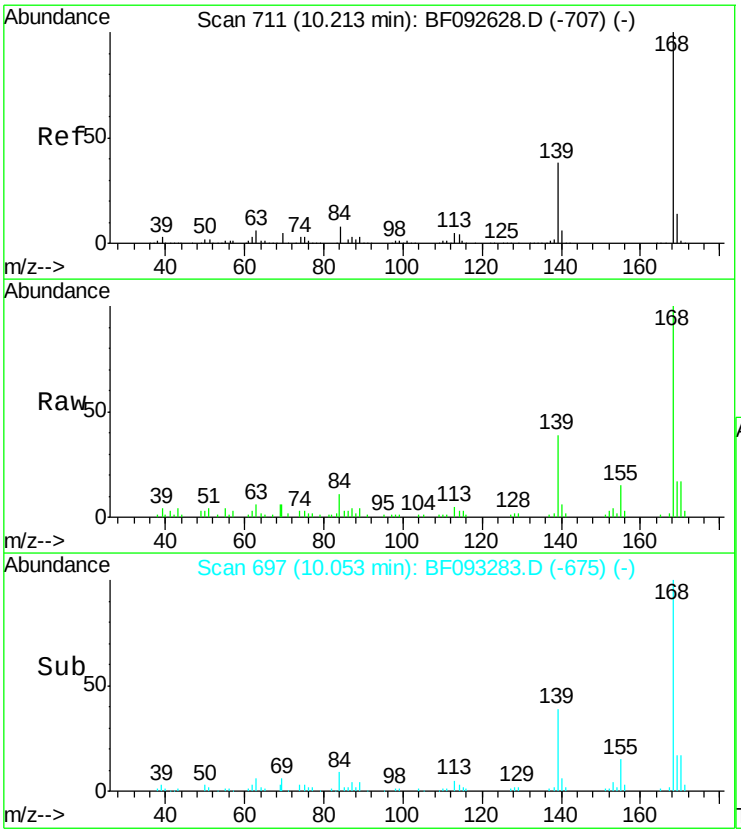
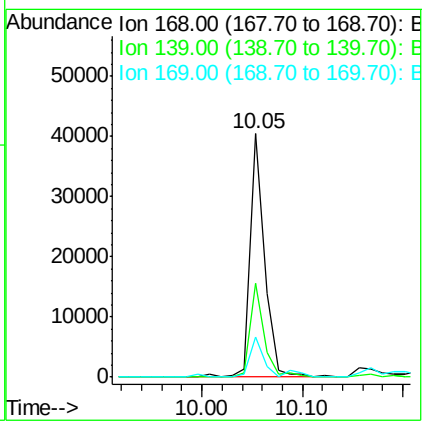
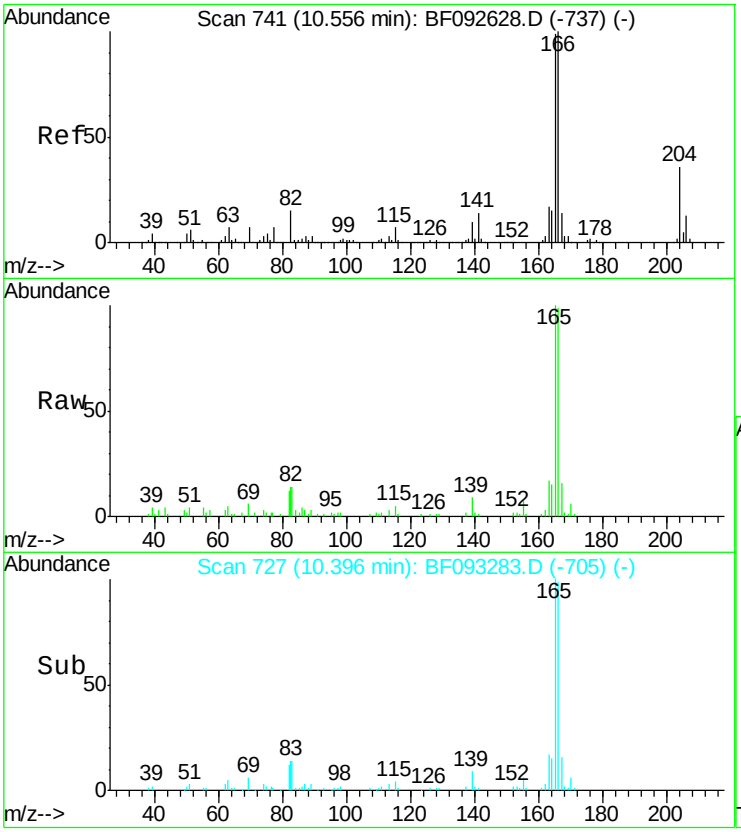


#54
Dibenzofuran
Concen: 2.85 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.05 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:168 Resp: 40489

Ion	Ratio	Lower	Upper
168	100		
139	38.6	32.6	49.0
169	16.6	11.3	16.9

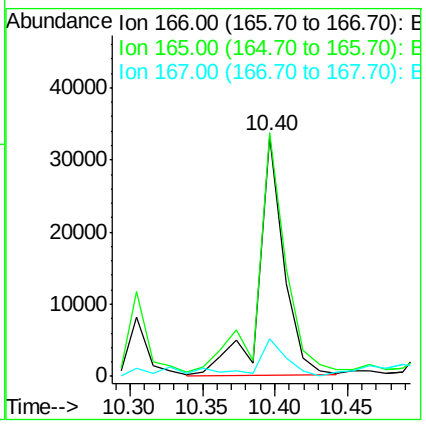




#57
Fluorene
Concen: 3.65 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.05 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:166 Resp: 39888

Ion	Ratio	Lower	Upper
166	100		
165	101.5	77.8	116.8
167	15.8	10.8	16.2



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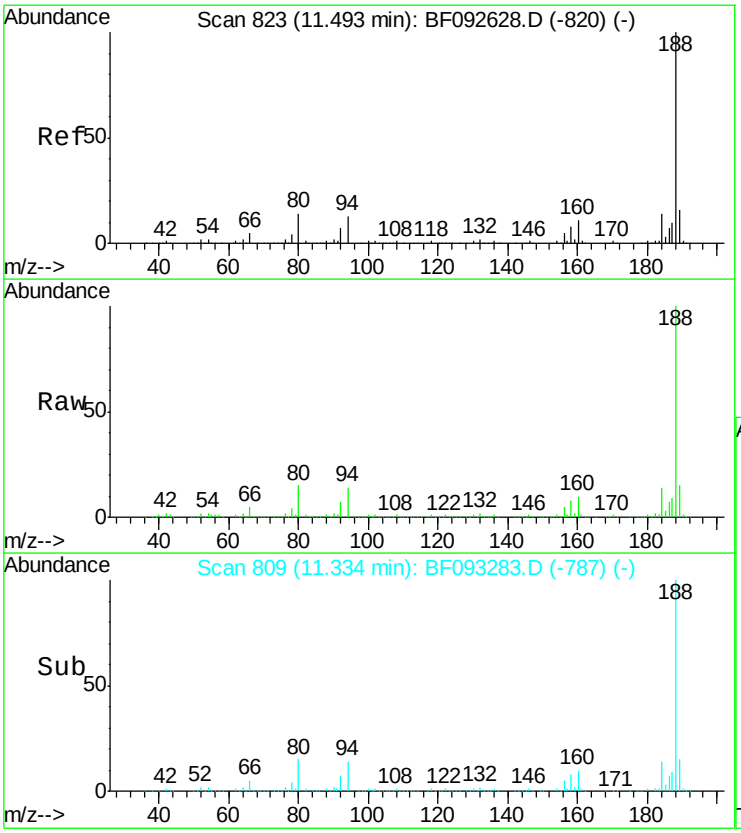
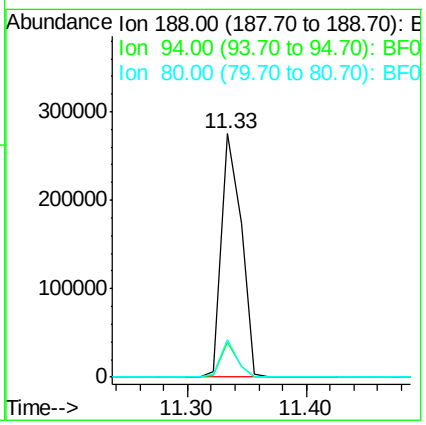
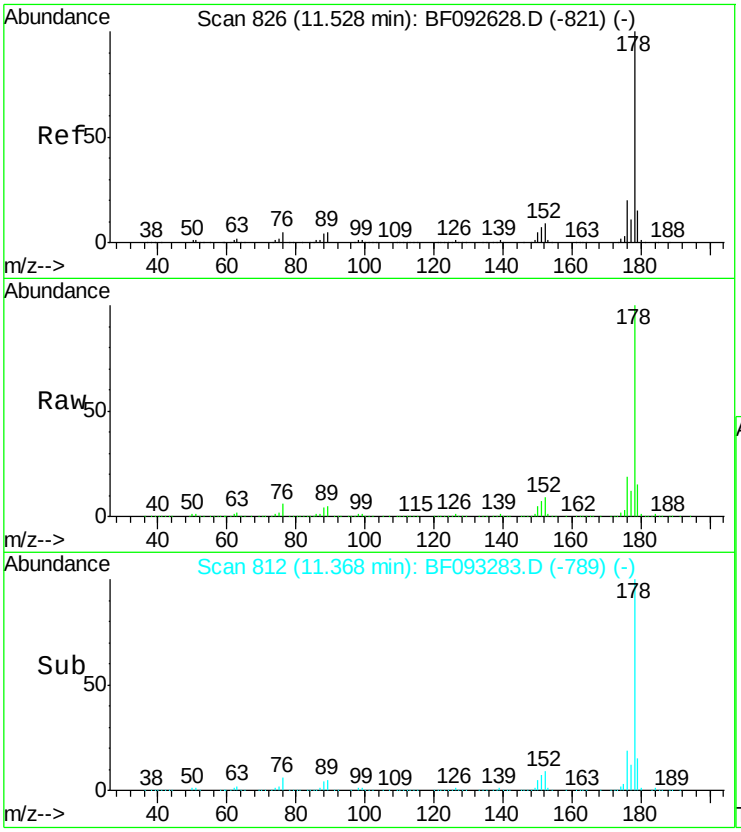


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:188 Resp: 316563

Ion	Ratio	Lower	Upper
188	100		
94	14.5	10.0	15.0
80	15.5	11.2	16.8

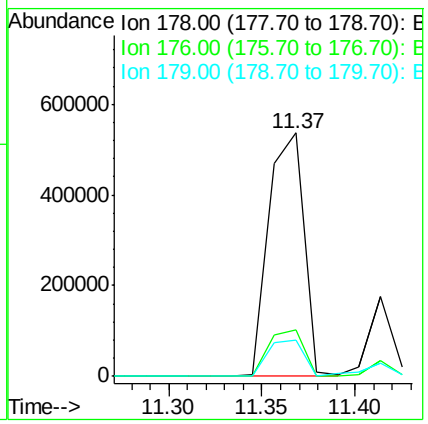




#70
Phenanthrene
Concen: 38.85 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:178 Resp: 704591

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.6	25.0
179	15.0	12.8	19.2



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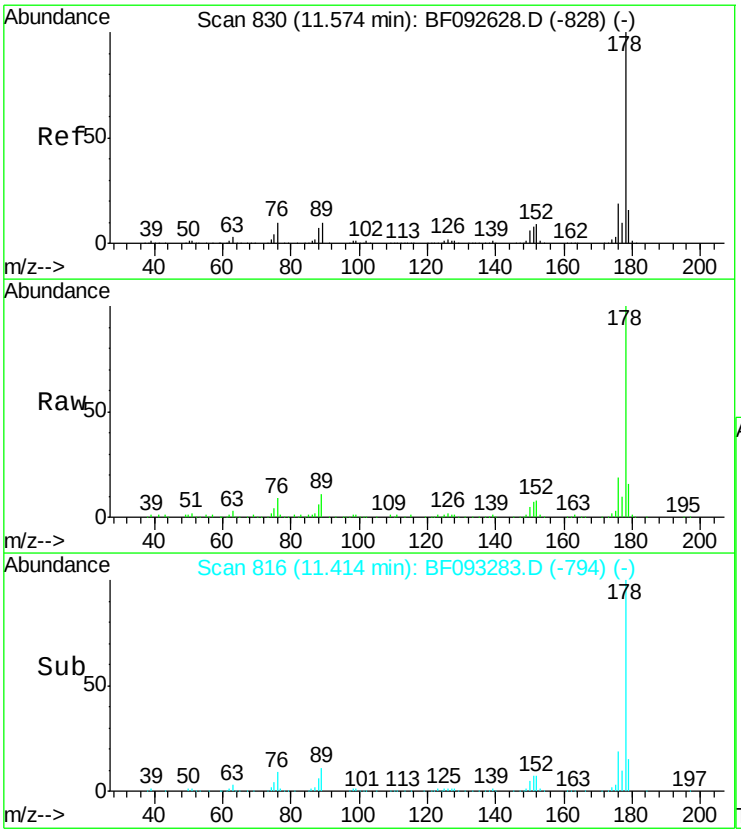
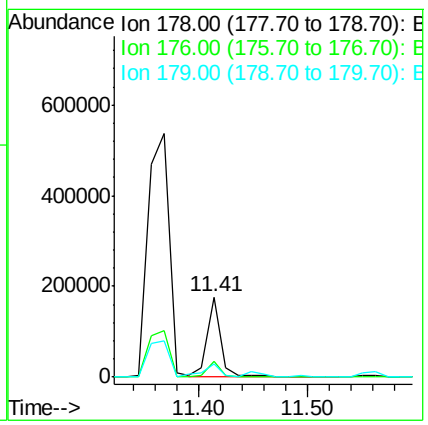
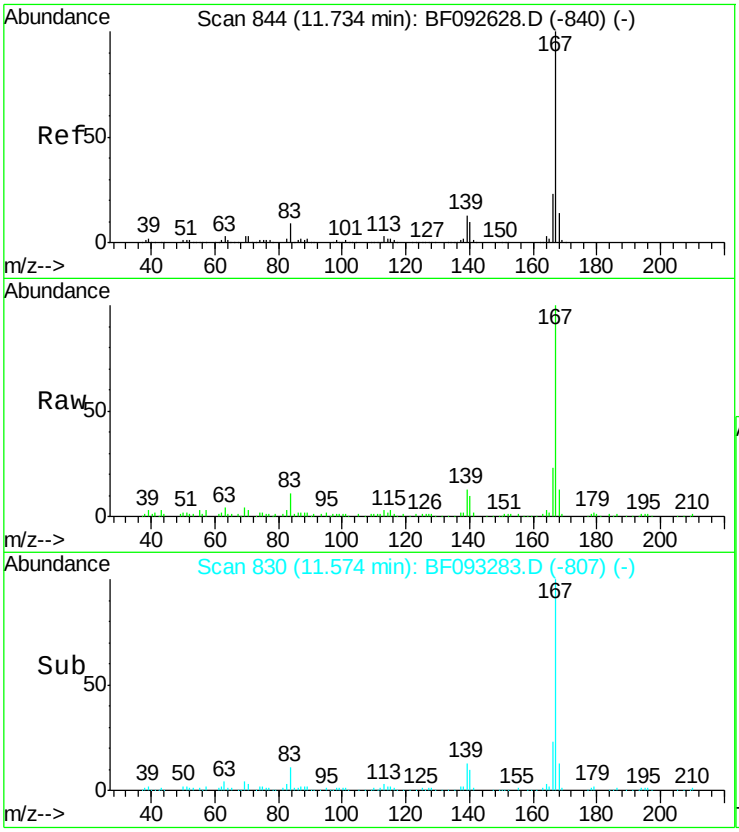


#71
Anthracene
Concen: 8.78 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:178 Resp: 159887

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.9	23.9
179	15.9	13.2	19.8

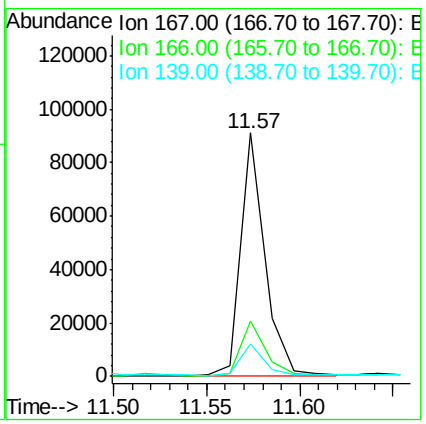




#72
Carbazole
Concen: 4.76 ng
RT: 11.57 min Scan# 830
Delta R.T. -0.03 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:167 Resp: 82882

Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.2	27.2
139	13.1	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227DL

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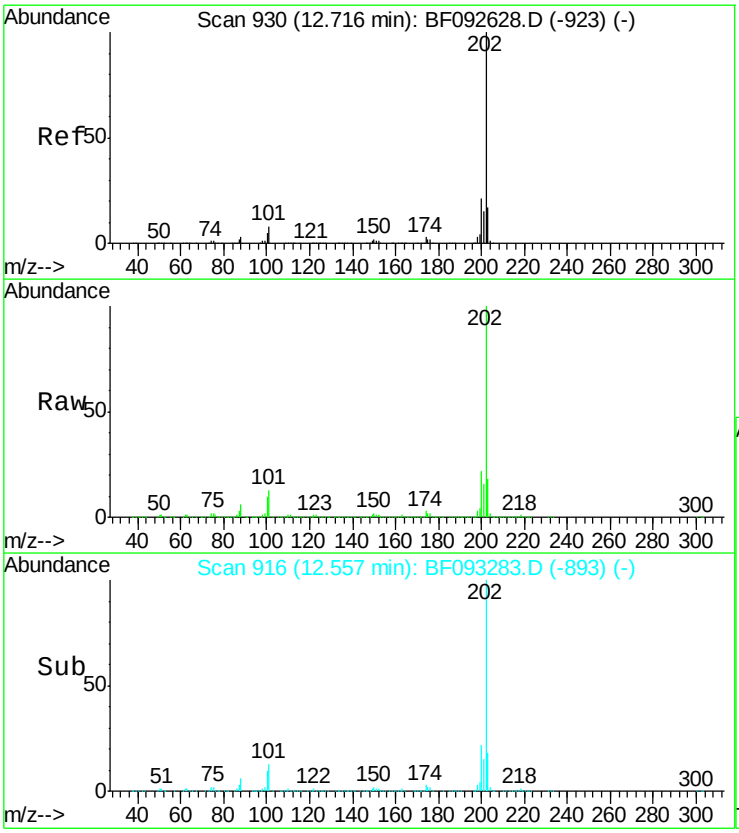
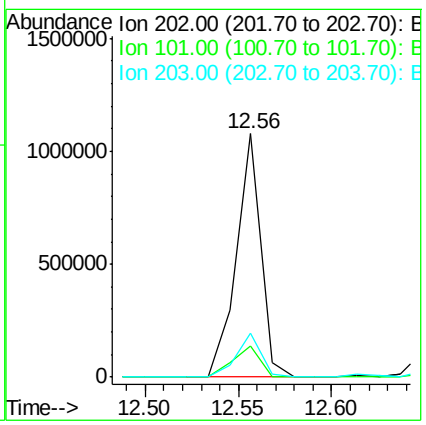
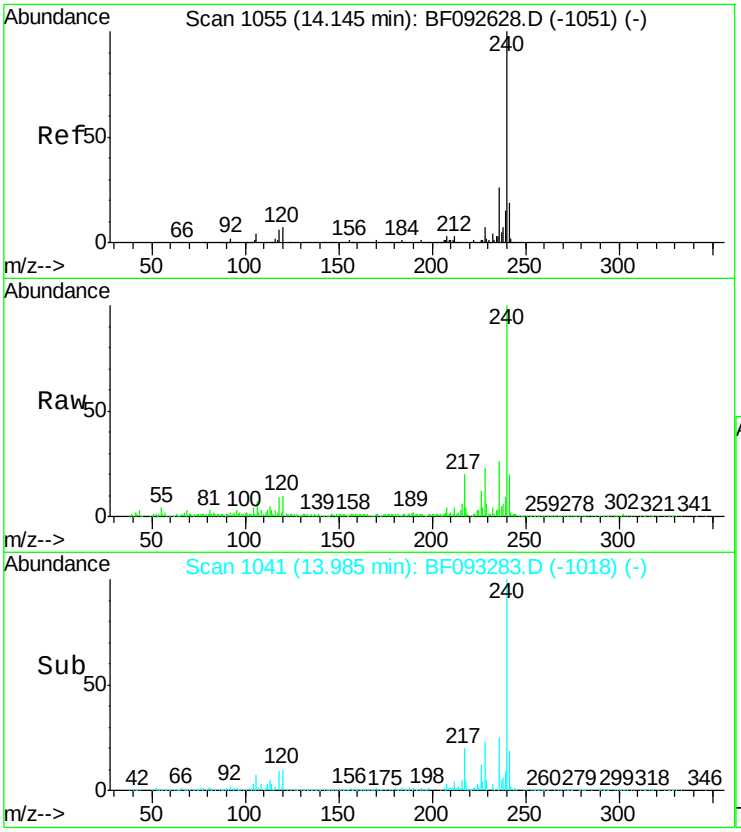


#74
Fluoranthene
Concen: 53.08 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.03 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:202 Resp: 992930

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.6
203	17.8	0.0	38.7

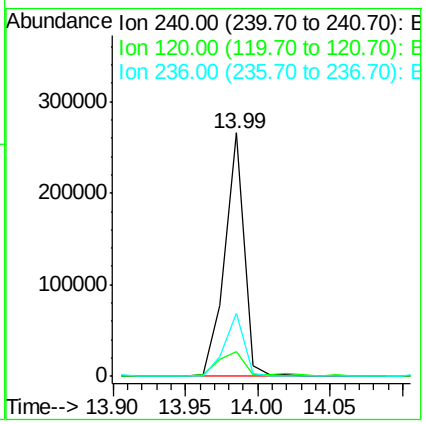




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:240 Resp: 244847

Ion	Ratio	Lower	Upper
240	100		
120	10.0	12.9	19.3#
236	26.0	20.9	31.3



Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227DL

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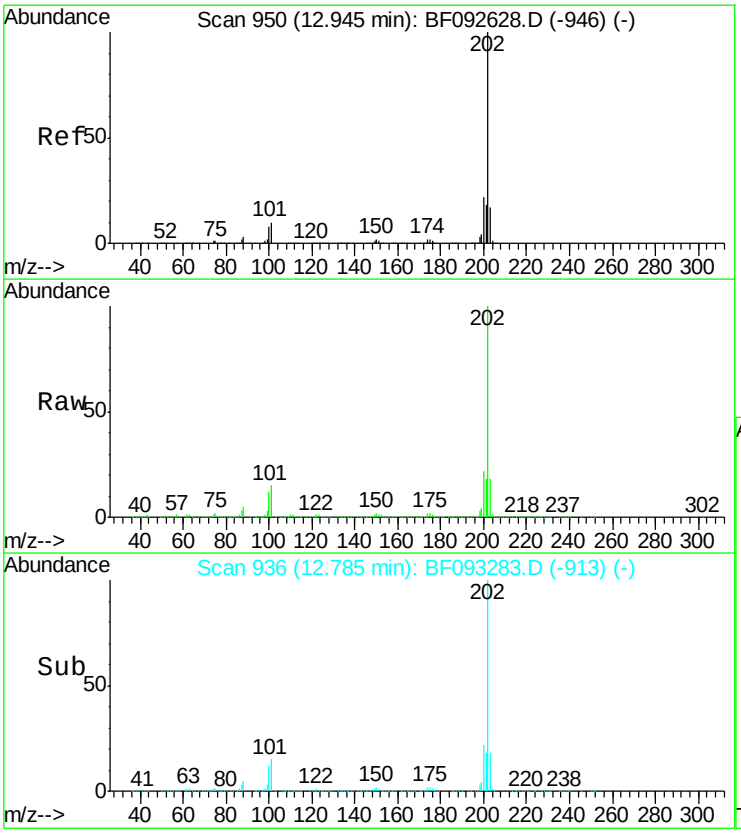
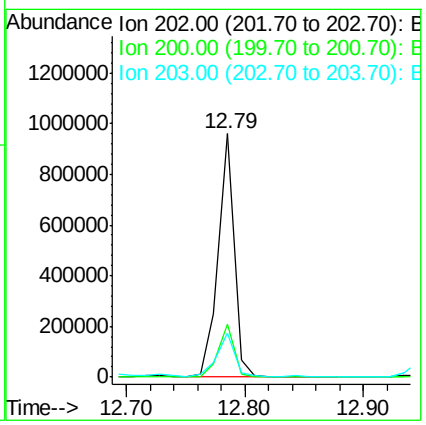
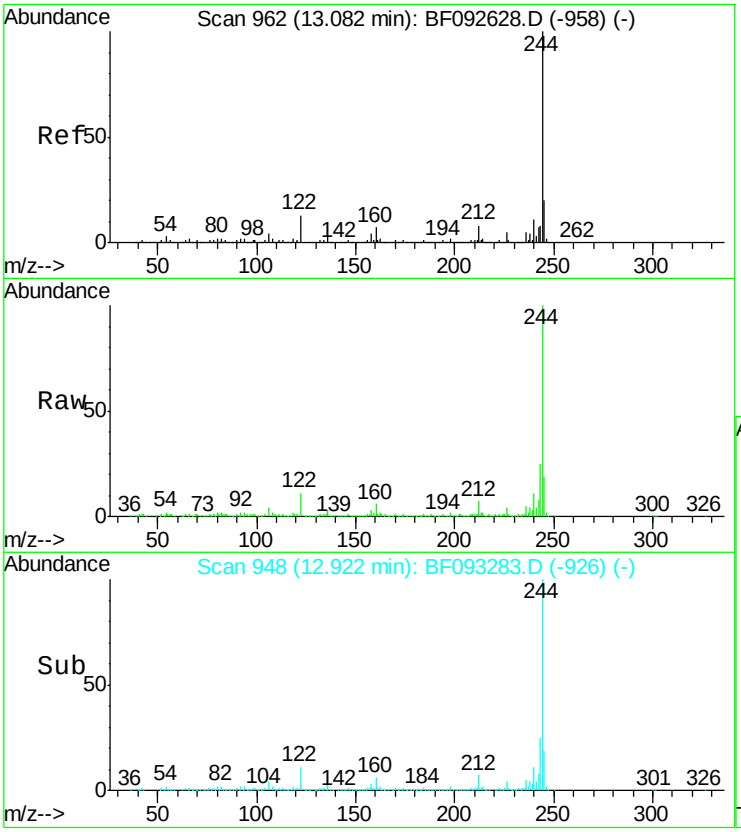


#77
Pyrene
Concen: 48.27 ng
RT: 12.79 min Scan# 936
Delta R.T. -0.03 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:202 Resp: 884487

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.7	26.5
203	17.9	14.7	22.1

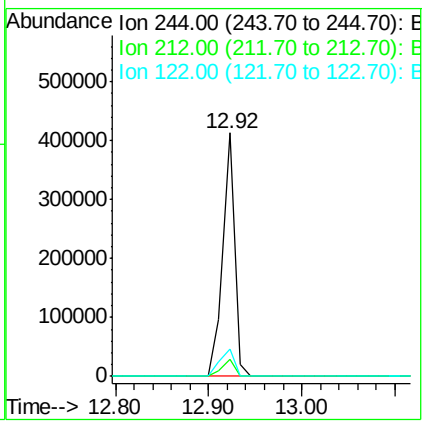




#78
Terphenyl-d14
Concen: 35.25 ng
RT: 12.92 min Scan# 948
Delta R.T. -0.05 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:244 Resp: 367321

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	11.2	11.4	17.2#



Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227DL

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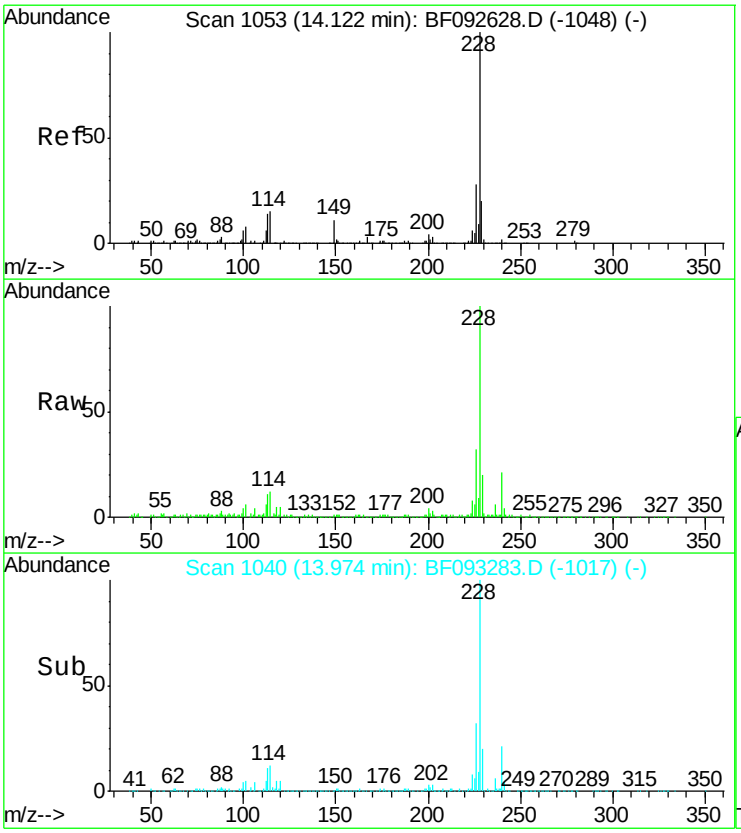
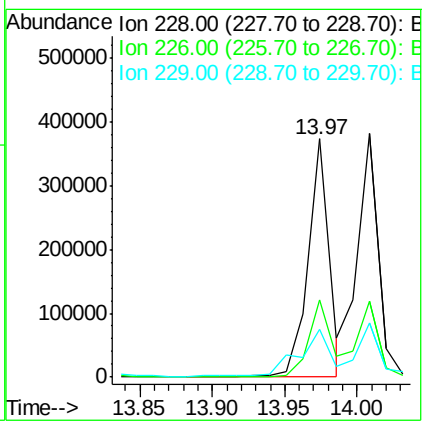
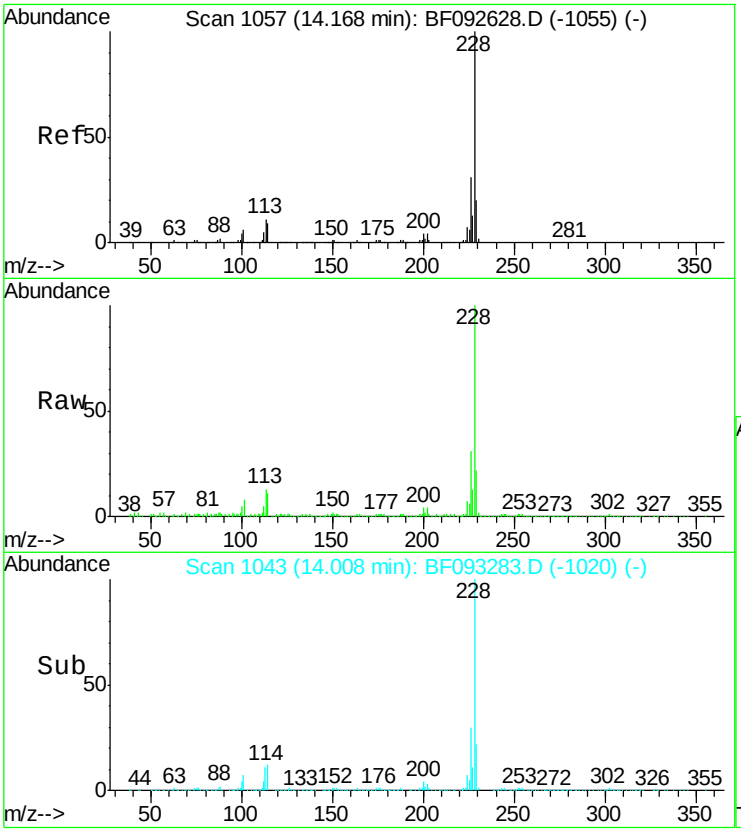


#80
Benzo(a)anthracene
Concen: 24.89 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:228 Resp: 372745

Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.4	33.6
229	20.3	16.2	24.4

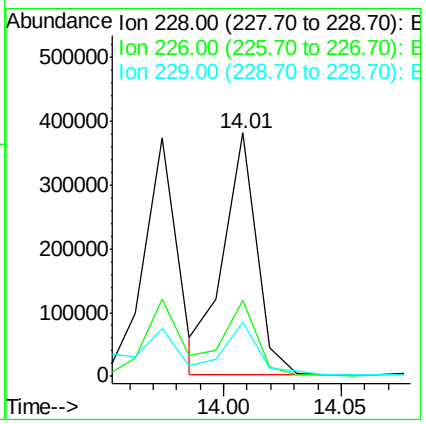




#82
Chrysene
Concen: 26.51 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:228 Resp: 371644

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.0
229	22.4	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227DL

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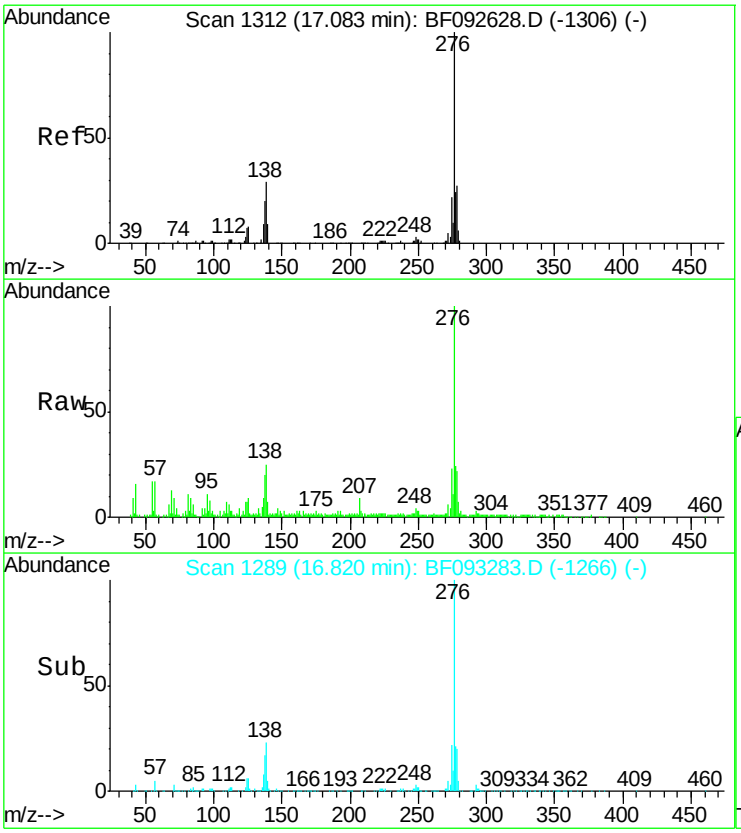
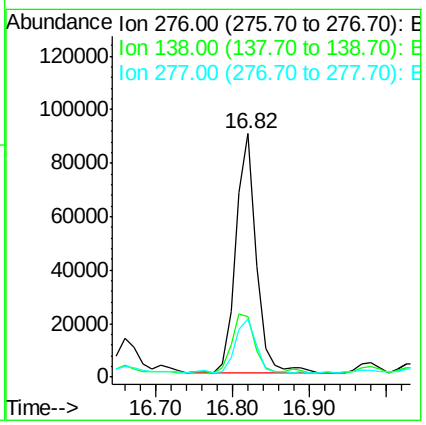
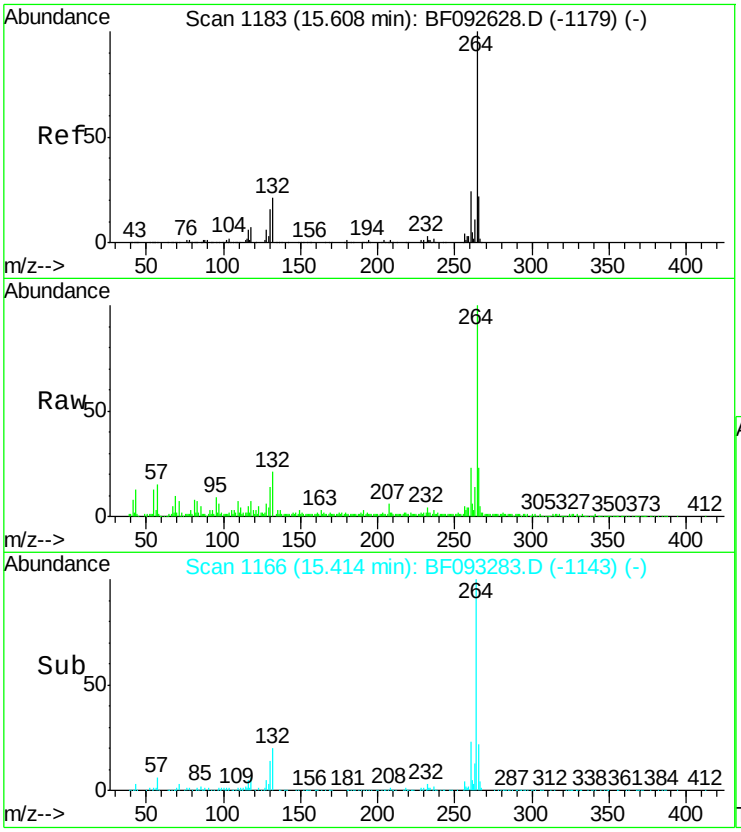


#85
Indeno(1,2,3-cd)pyrene
Concen: 15.50 ng
RT: 16.82 min Scan# 1289
Delta R.T. -0.03 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:276 Resp: 168367

Ion	Ratio	Lower	Upper
276	100		
138	28.6	21.8	32.6
277	24.0	20.2	30.4

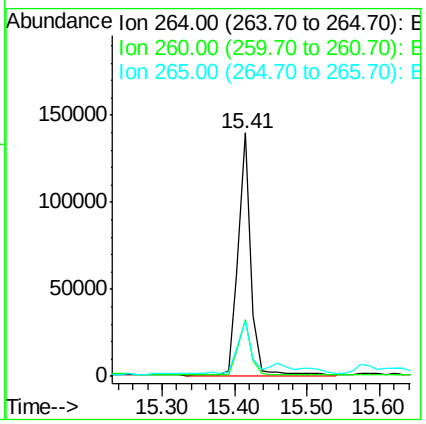




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:264 Resp: 169274

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.5	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227DL

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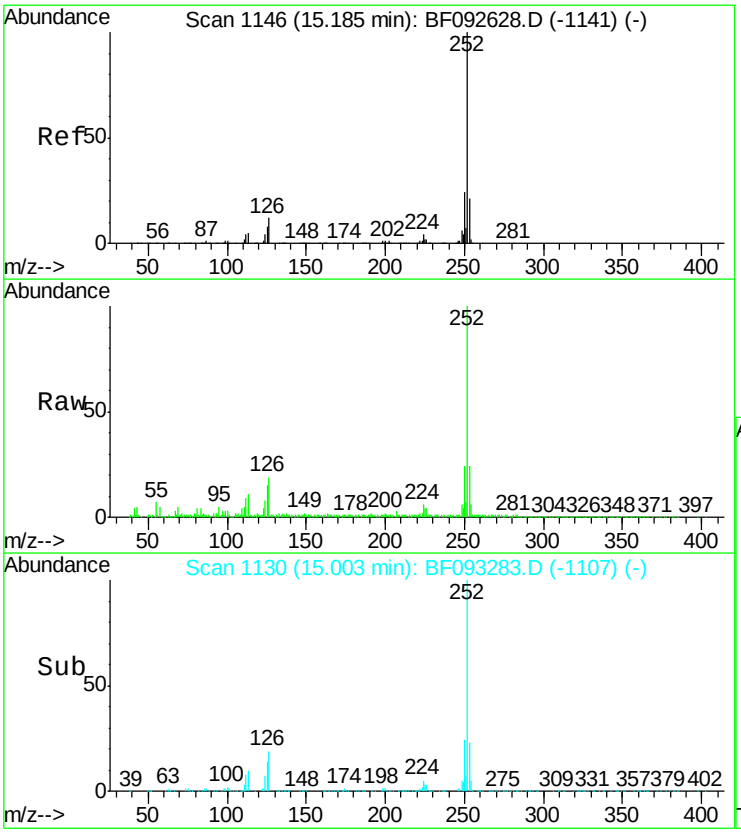
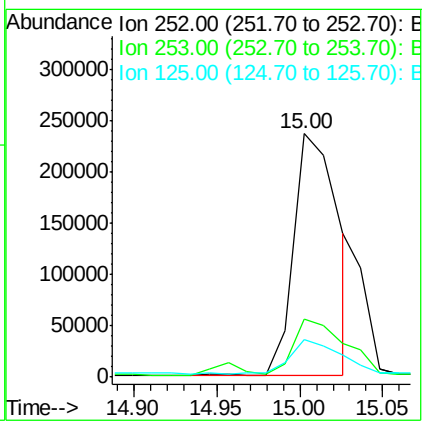
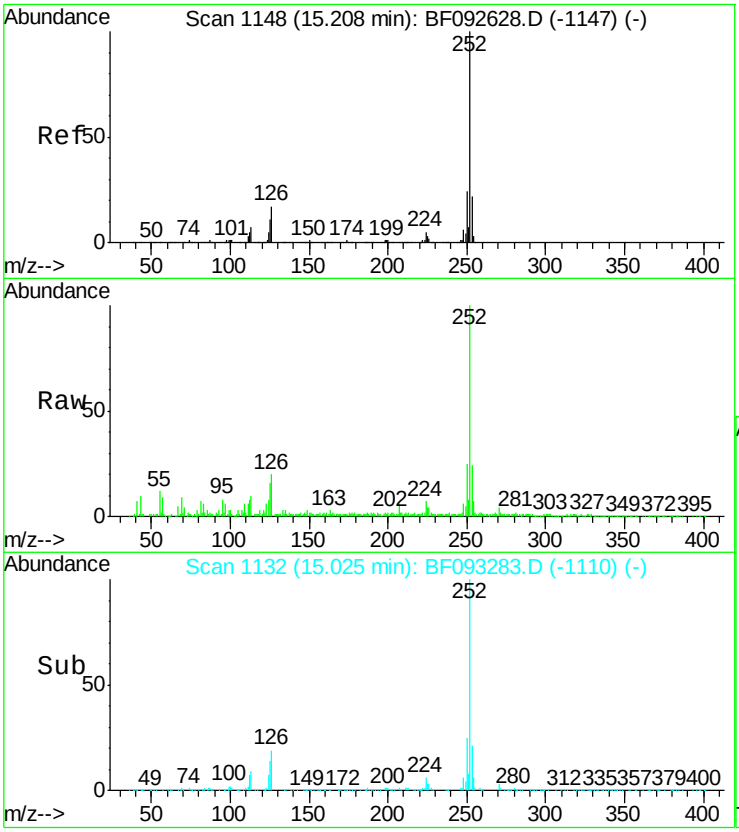


#87
Benzo(b)fluoranthene
Concen: 39.21 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:252 Resp: 436850

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	15.5	9.8	14.6#





#88
Benzo(k)fluoranthene
Concen: 8.18 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.05 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:252 Resp: 78721

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.5	27.7
125	15.7	8.9	13.3#

Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227DL

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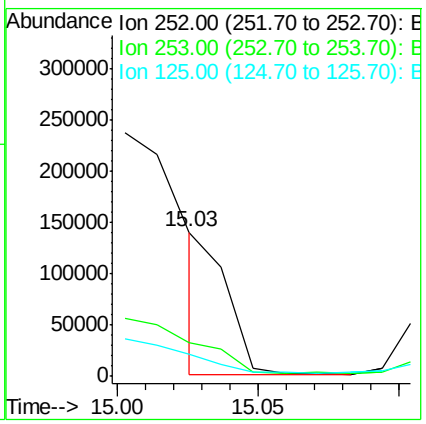
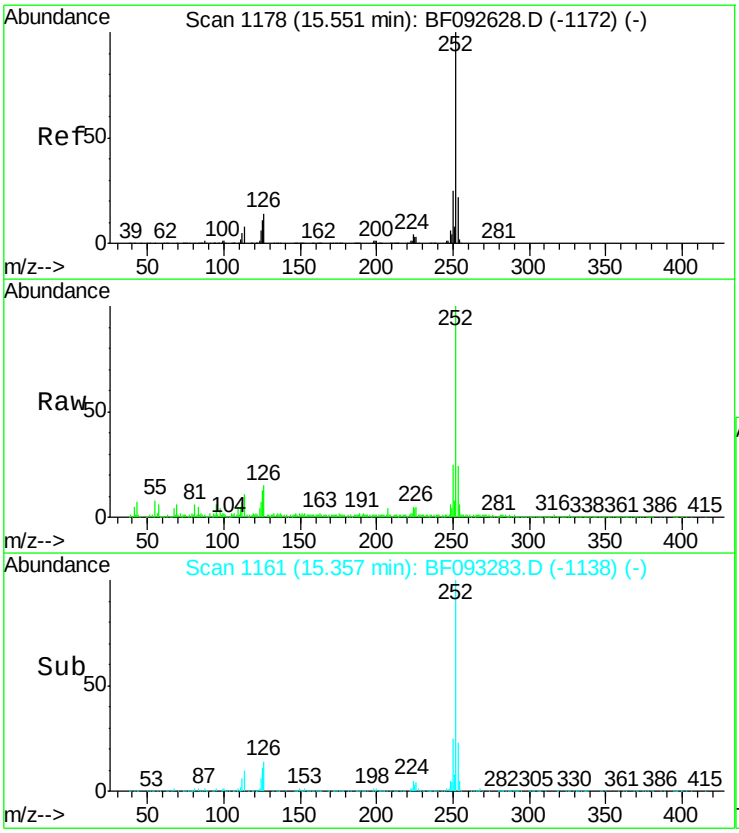
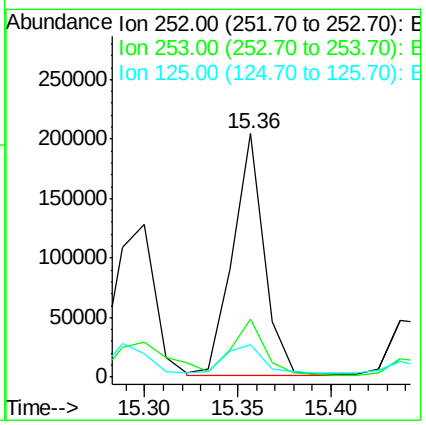


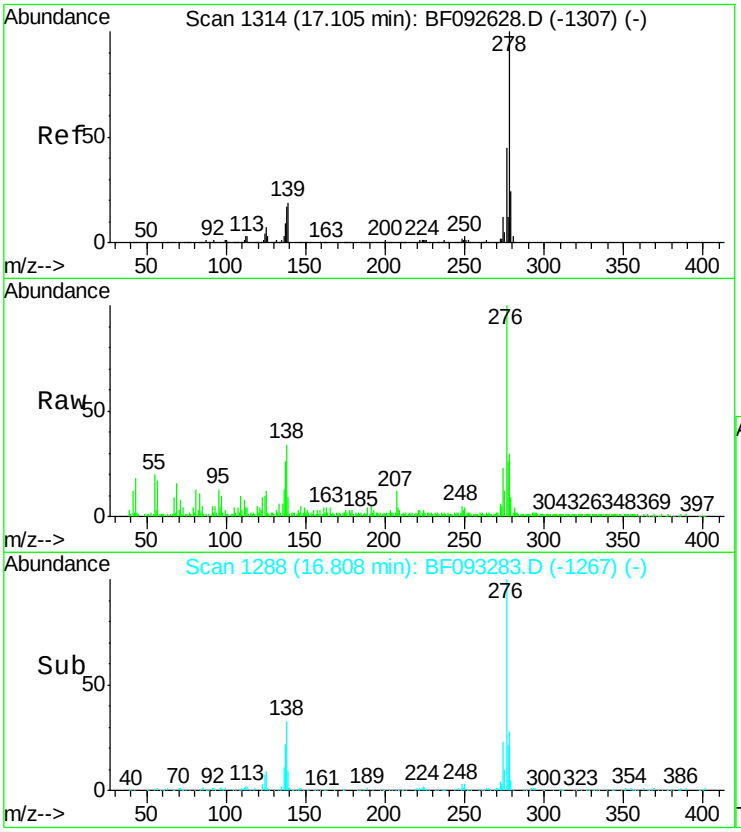


#89
Benzo(a)pyrene
Concen: 24.59 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:252 Resp: 236964

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	13.1	10.0	15.0





#90
Dibenzo(a,h)anthracene
Concen: 5.48 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.06 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:278 Resp: 42652

Ion	Ratio	Lower	Upper
278	100		
139	29.5	14.8	22.2#
279	31.0	19.8	29.6#

Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227DL

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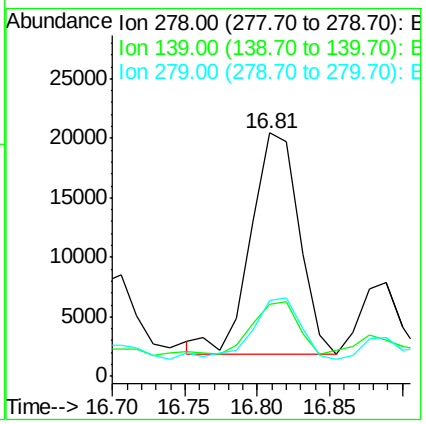

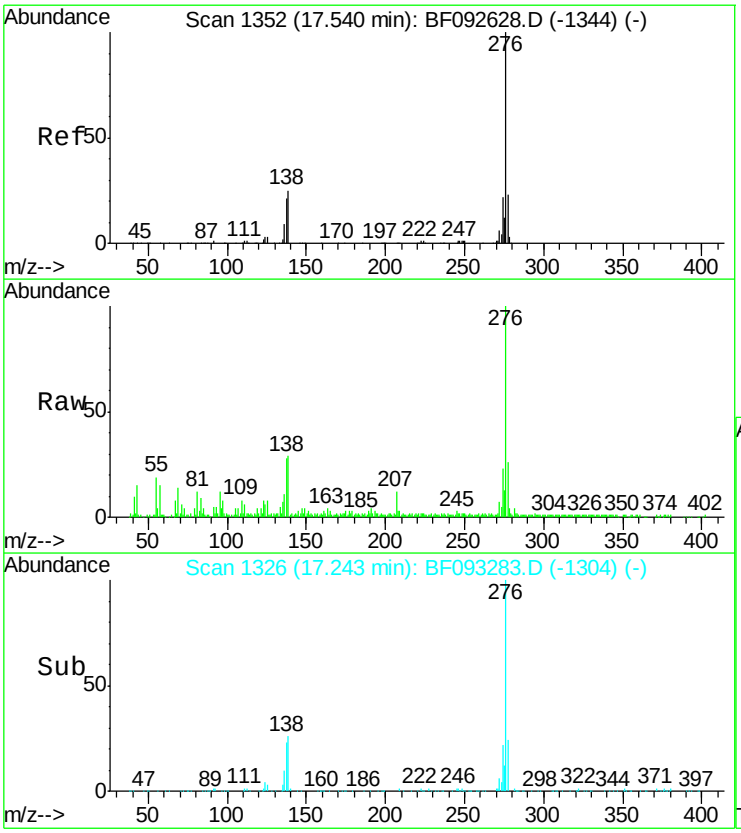

#91
Benzo(g,h,i)perylene
Concen: 19.89 ng
RT: 17.24 min Scan# 1326
Delta R.T. -0.05 min
Lab File: BF093283.D
Acq: 1 Mar 2017 9:41

Tgt Ion:276 Resp: 156514

Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.2	28.8
138	29.4	16.0	24.0#