Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093284.D
Acq On : 1 Mar 2017 10:09
Operator : SJ/MA
Sample : I2017-11DL 2X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-8-20170227DL

Manual Integrations APPROVED
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3/1/2017 4:09:04 PM

Quant Time: Mar 01 12:10:07 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	128795	20.00	ng		-0.05
21) Naphthalene-d8	8.10	136	479016	20.00	ng		-0.05
38) Acenaphthene-d10	9.85	164	187074	20.00	ng		-0.05
63) Phenanthrene-d10	11.33	188	318551	20.00	ng		-0.05
75) Chrysene-d12	13.99	240	258308	20.00	ng		-0.03
86) Perylene-d12	15.41	264	179571	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	518929	69.12	ng		-0.03
7) Phenol-d6	6.46	99	651011	67.40	ng		-0.02
23) Nitrobenzene-d5	7.38	82	337424	39.23	ng		-0.05
41) 2,4,6-Tribromophenol	10.65	330	92448	68.33	ng		-0.03
44) 2-Fluorobiphenyl	9.17	172	614894	59.55	ng		-0.05
78) Terphenyl-d14	12.92	244	466959	42.48	ng		-0.05
Target Compounds							Qvalue
10) Phenol	6.48	94	45123	3.99	ng		91
48) Acenaphthylene	9.71	152	208561	11.39	ng		98
49) Dimethylphthalate	9.57	163	39779	3.16	ng		99
54) Dibenzofuran	10.05	168	52667	3.60	ng	#	95
57) Fluorene	10.40	166	60876	5.41	ng		97
70) Phenanthrene	11.37	178	920281	50.43	ng		98
71) Anthracene	11.41	178	181378	9.90	ng		98
72) Carbazole	11.57	167	61901	3.53	ng		99
74) Fluoranthene	12.56	202	1251619	66.49	ng		99
77) Pyrene	12.79	202	1110263	57.43	ng		99
80) Benzo(a)anthracene	13.97	228	487896m	30.88	ng		
82) Chrysene	14.01	228	471375m	31.87	ng		
85) Indeno(1,2,3-cd)pyrene	16.82	276	193255	16.87	ng		98
87) Benzo(b)fluoranthene	15.00	252	413645m	35.00	ng		
88) Benzo(k)fluoranthene	15.01	252	210528m	20.63	ng		
89) Benzo(a)pyrene	15.36	252	292603	28.62	ng		99
90) Dibenzo(a,h)anthracene	16.81	278	48283	5.84	ng	#	81
91) Benzo(g,h,i)perylene	17.24	276	169716	20.33	ng	#	93

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

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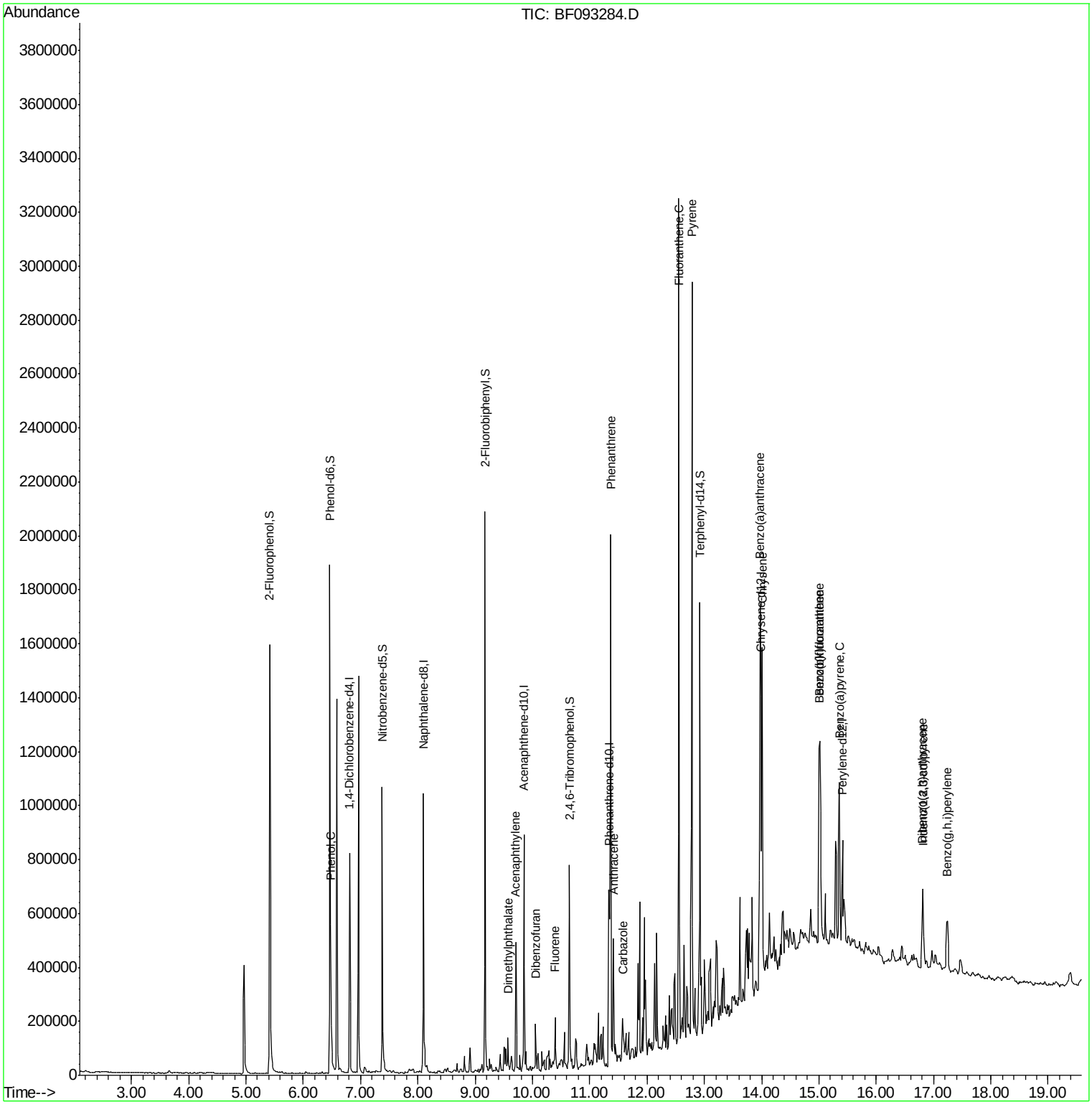
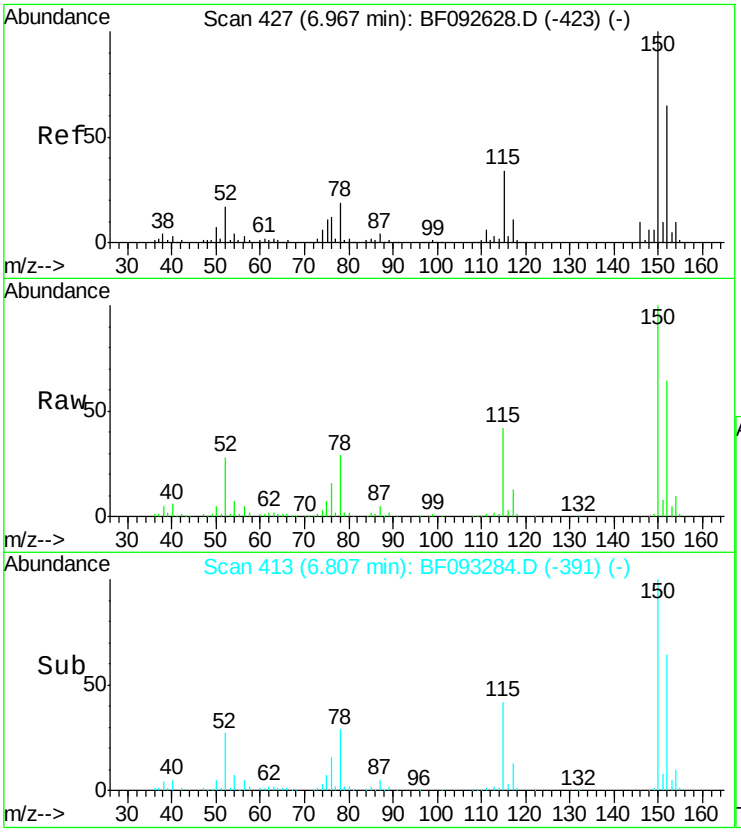
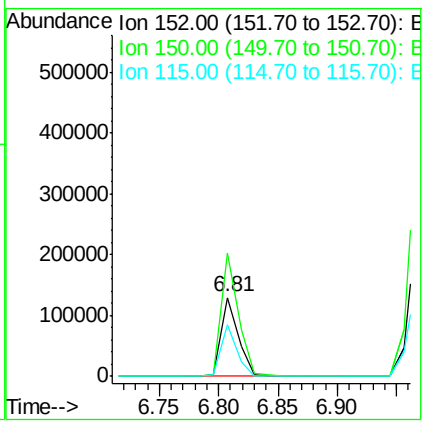




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:152 Resp: 128795

Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.9	187.3
115	65.5	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
TK3-8-20170227DL

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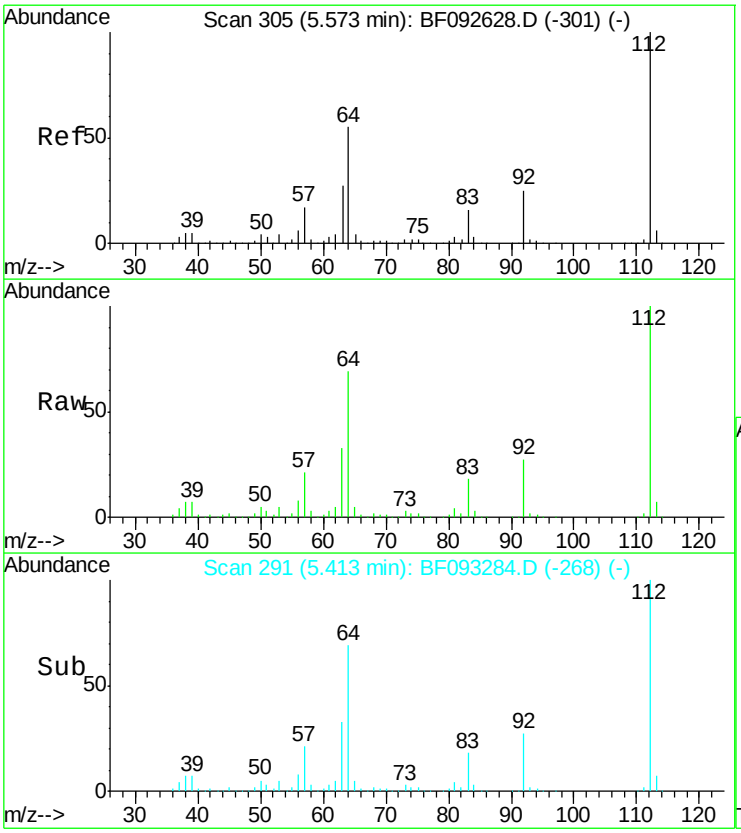
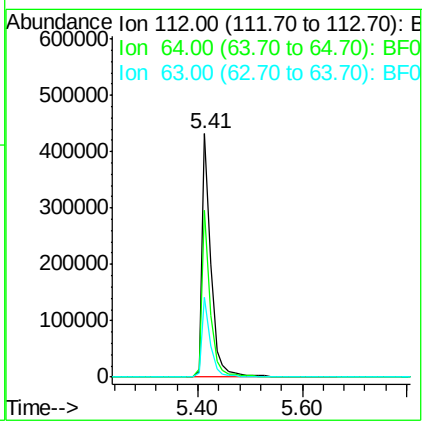
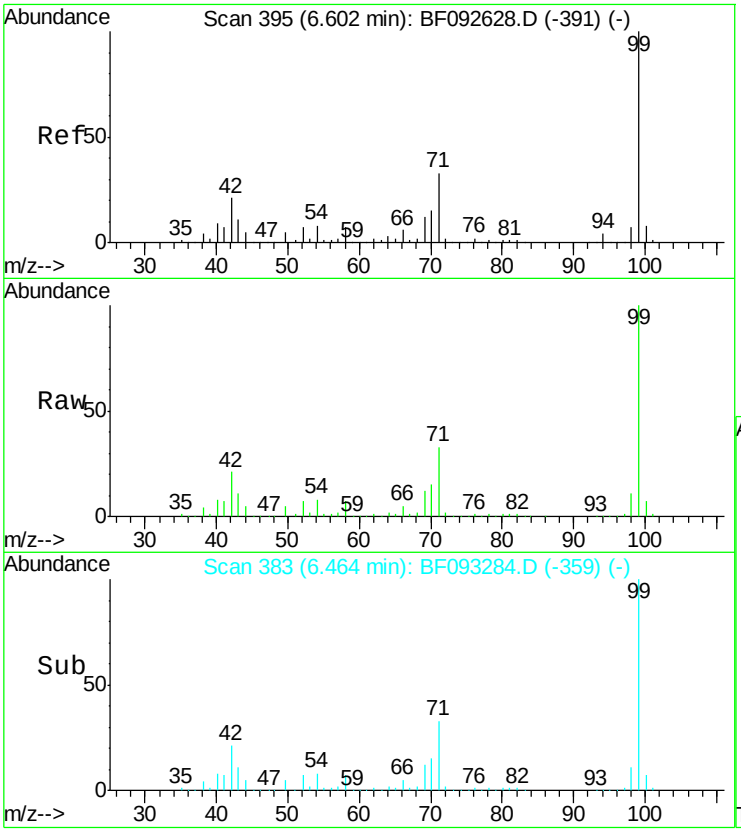


#5
2-Fluorophenol
Concen: 69.12 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:112 Resp: 518929

Ion	Ratio	Lower	Upper
112	100		
64	68.7	46.1	69.1
63	33.0	23.8	35.6

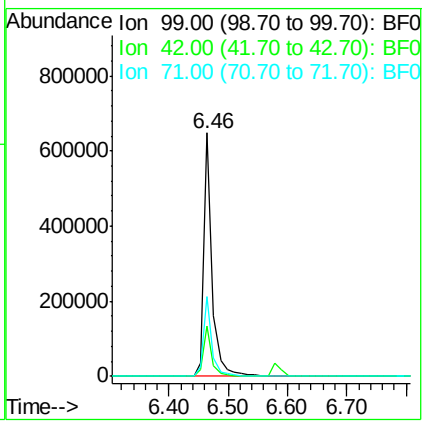




#7
Phenol-d6
Concen: 67.40 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.02 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion: 99 Resp: 651011

Ion	Ratio	Lower	Upper
99	100		
42	20.7	15.6	23.4
71	32.6	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
TK3-8-20170227DL

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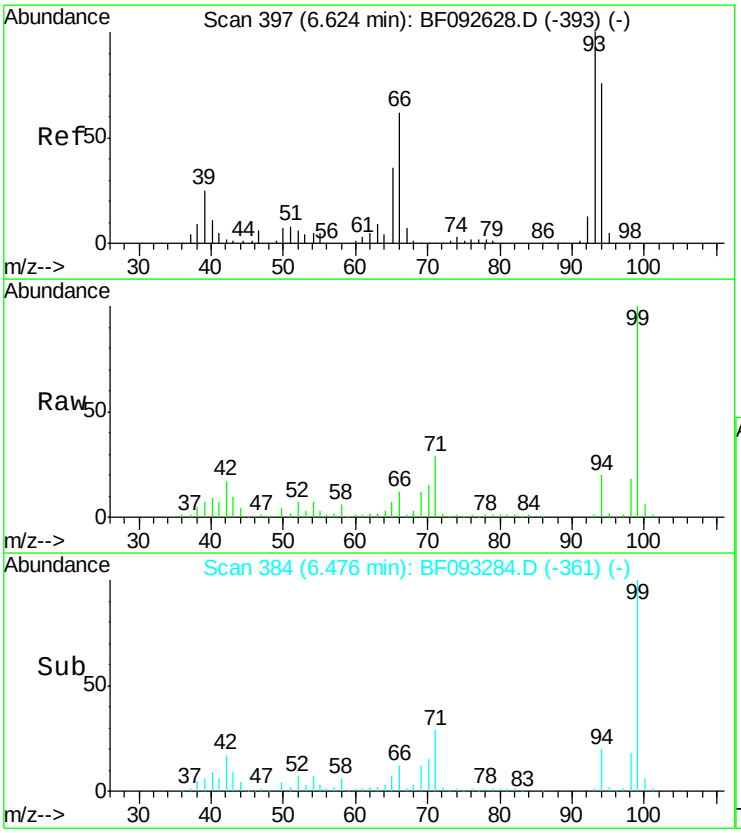
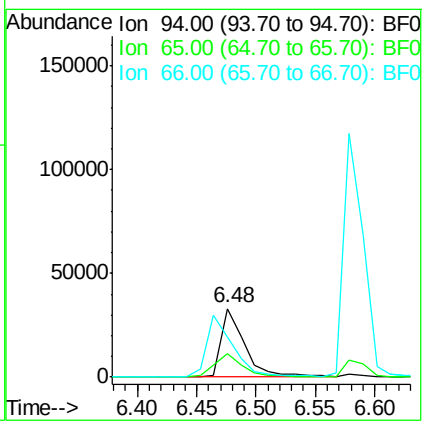
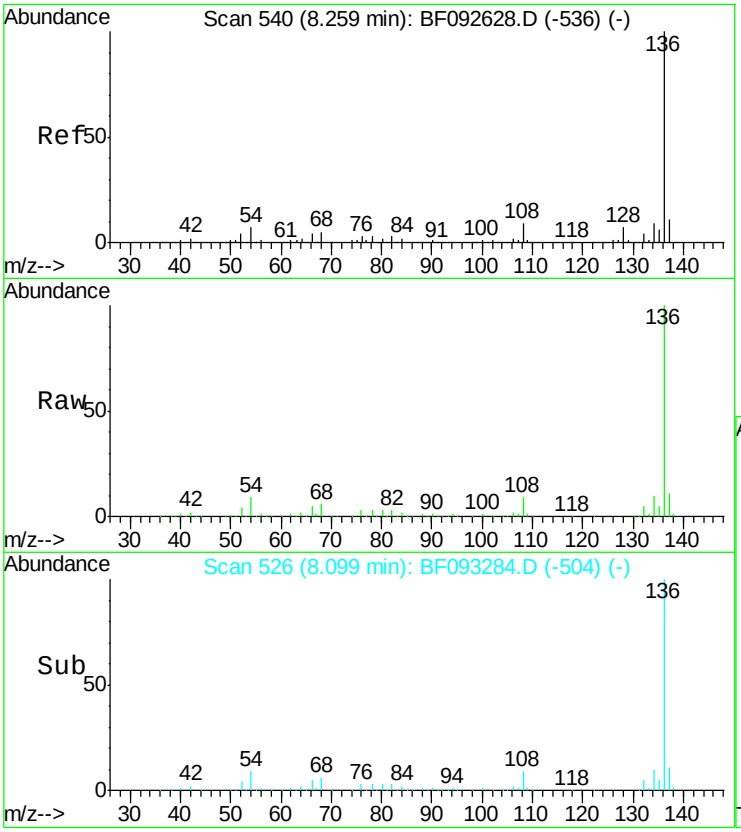


#10
Phenol
Concen: 3.99 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.03 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion: 94 Resp: 45123

Ion	Ratio	Lower	Upper
94	100		
65	34.9	21.4	61.4
66	58.2	44.0	84.0

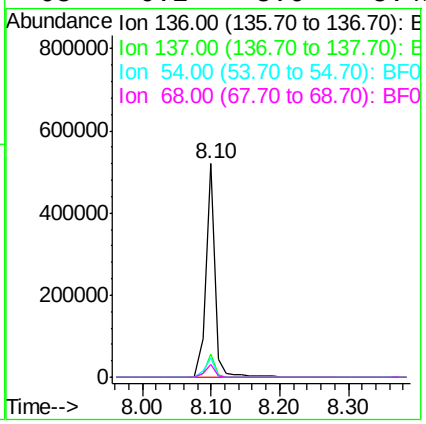




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:136 Resp: 479016

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	8.8	4.5	6.7#
68	6.2	3.6	5.4#



Instrument :
BNA_F
ClientSampleId :
TK3-8-20170227DL

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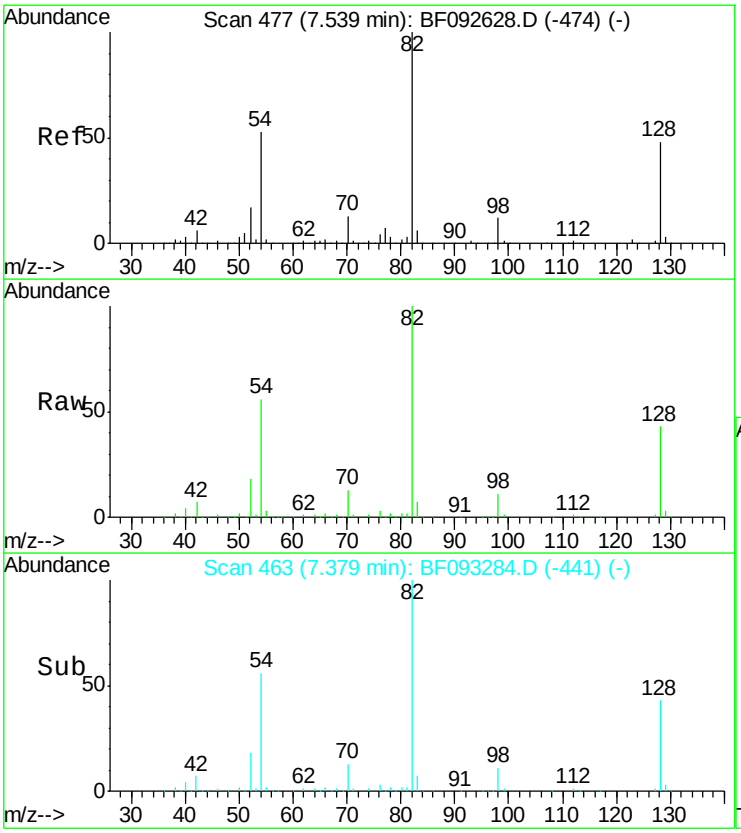
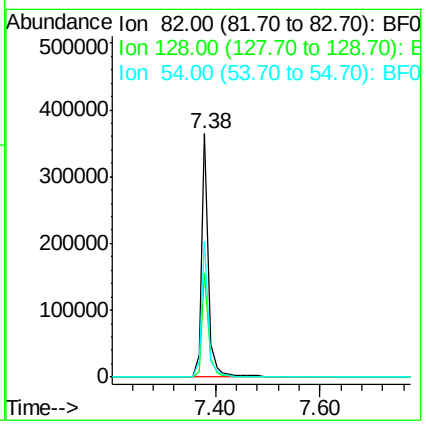
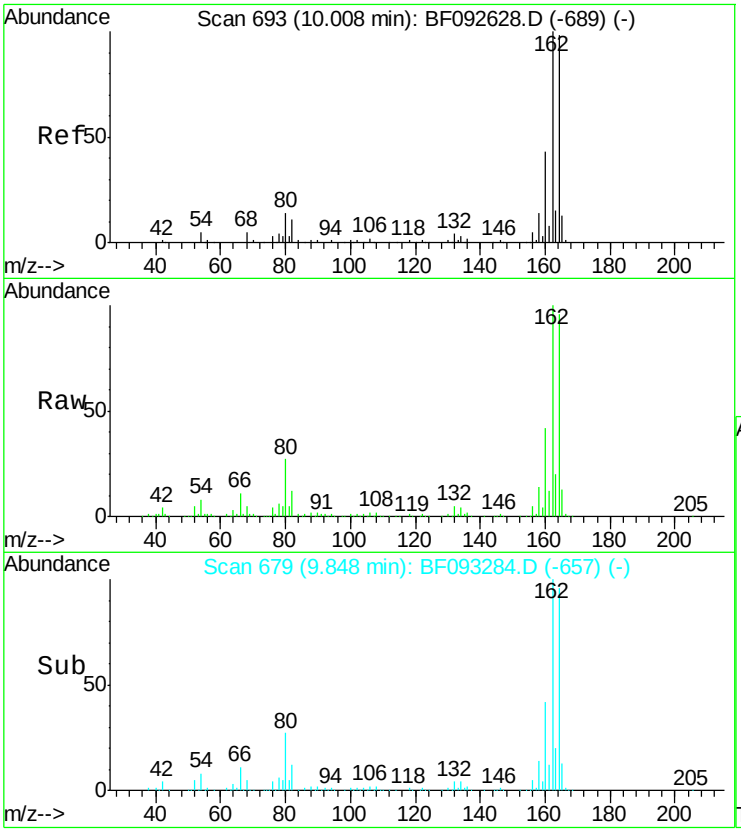


#23
Nitrobenzene-d5
Concen: 39.23 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion: 82 Resp: 337424

Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.6	52.0
54	55.8	39.5	59.3

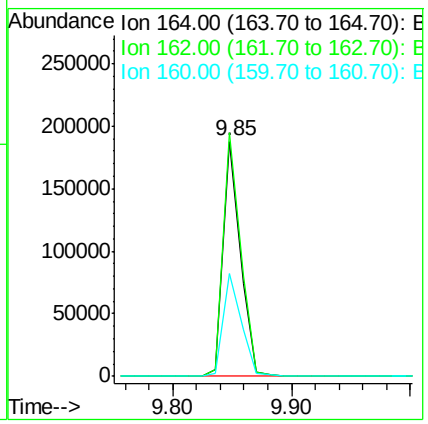




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:164 Resp: 187074

Ion	Ratio	Lower	Upper
164	100		
162	103.7	80.2	120.2
160	44.0	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
TK3-8-20170227DL

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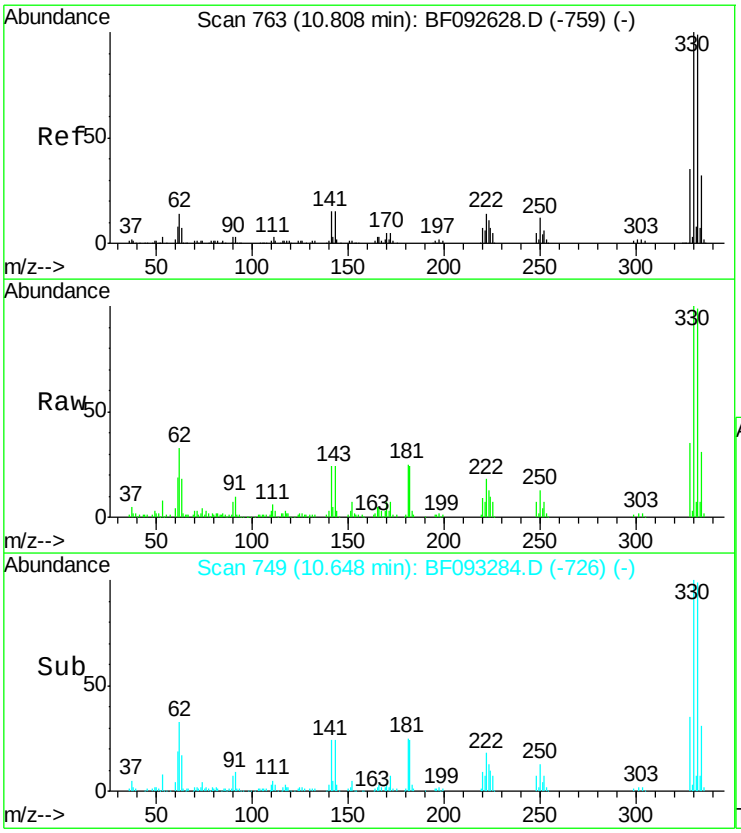
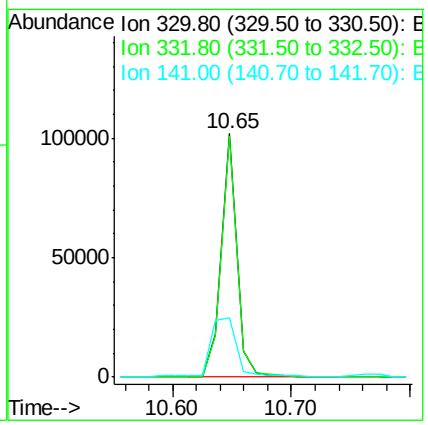
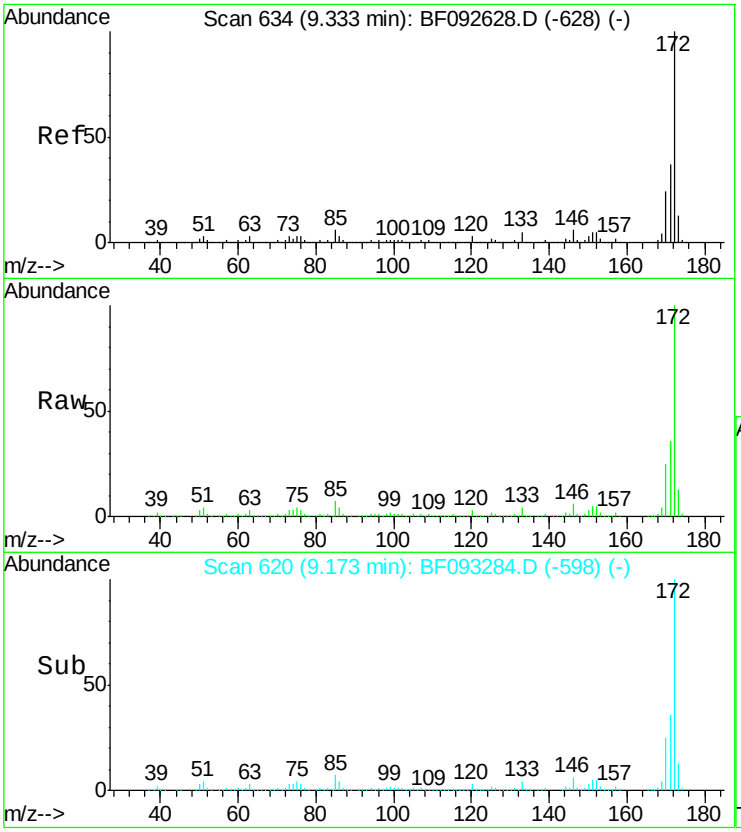


#41
2,4,6-Tribromophenol
Concen: 68.33 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.03 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:330 Resp: 92448

Ion	Ratio	Lower	Upper
330	100		
332	99.3	77.4	116.2
141	41.5	34.1	51.1

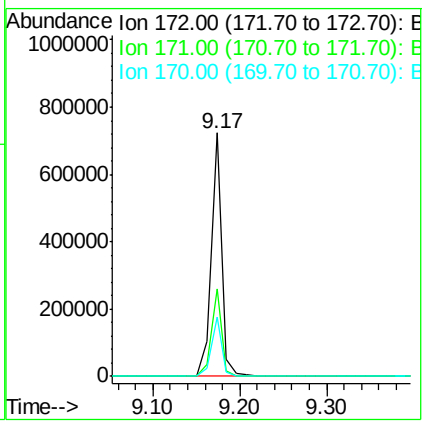




#44
2-Fluorobiphenyl
Concen: 59.55 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:172 Resp: 614894

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.6	20.2	30.4



Instrument :
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ClientSampleId :
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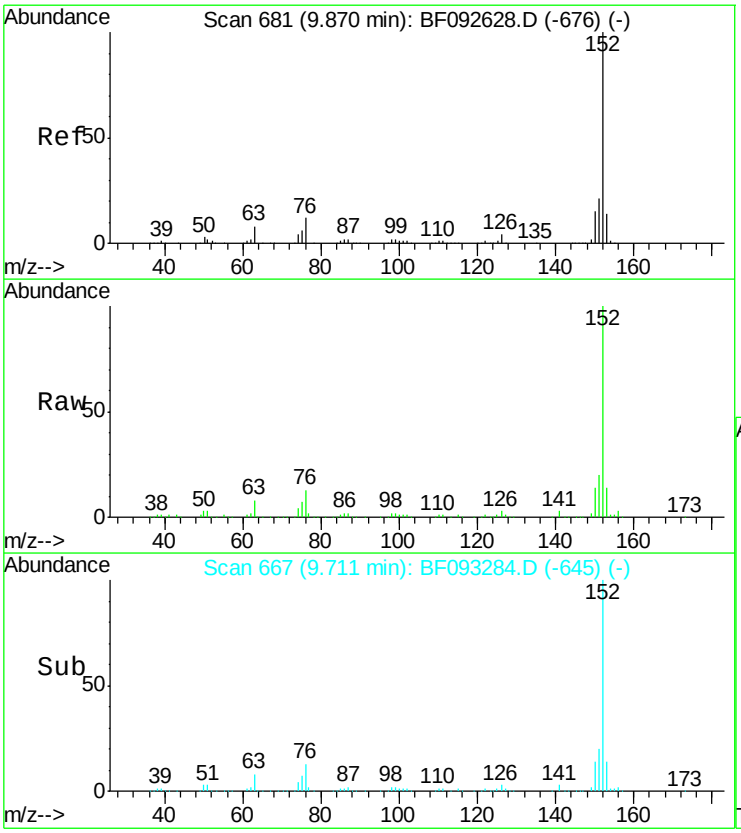
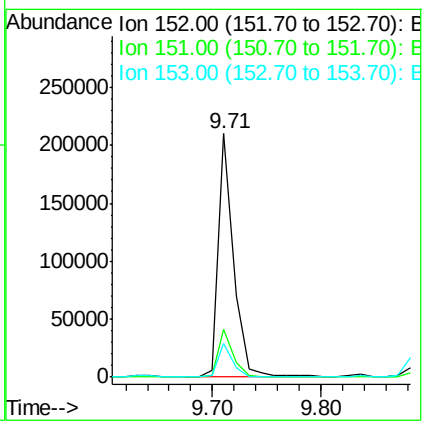
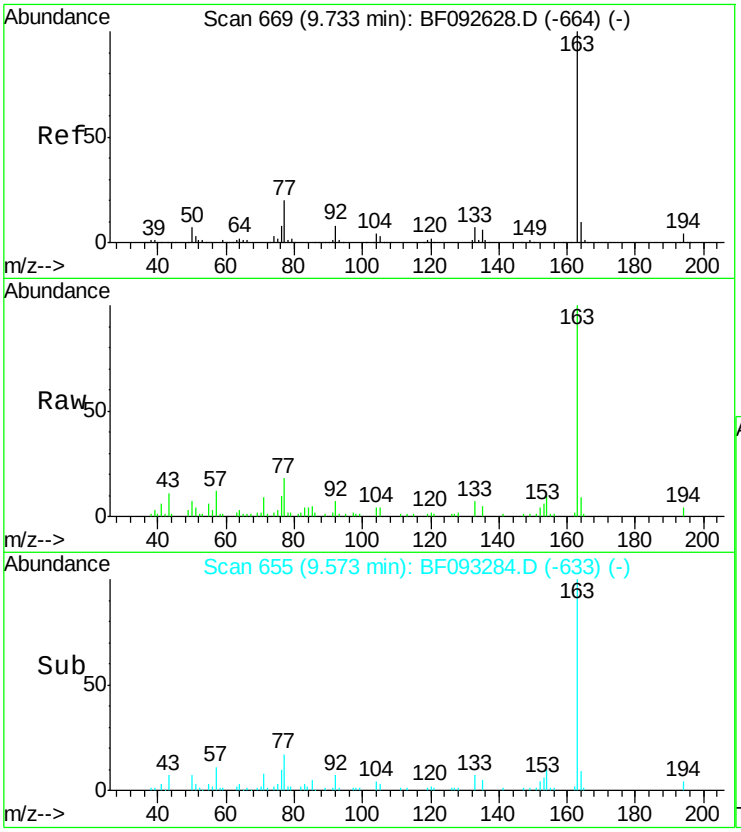


#48
Acenaphthylene
Concen: 11.39 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:152 Resp: 208561

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.9	25.3
153	13.7	11.4	17.2

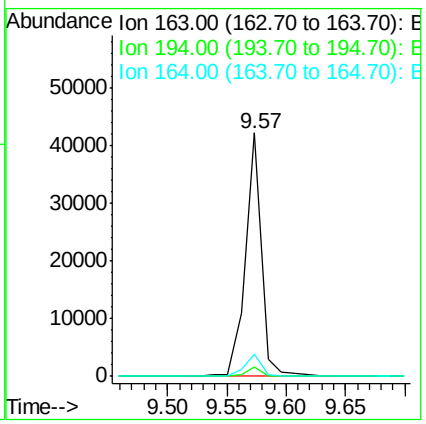




#49
Dimethylphthalate
Concen: 3.16 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:163 Resp: 39779

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.4
164	9.3	8.0	12.0



Instrument :
BNA_F
ClientSampleId :
TK3-8-20170227DL

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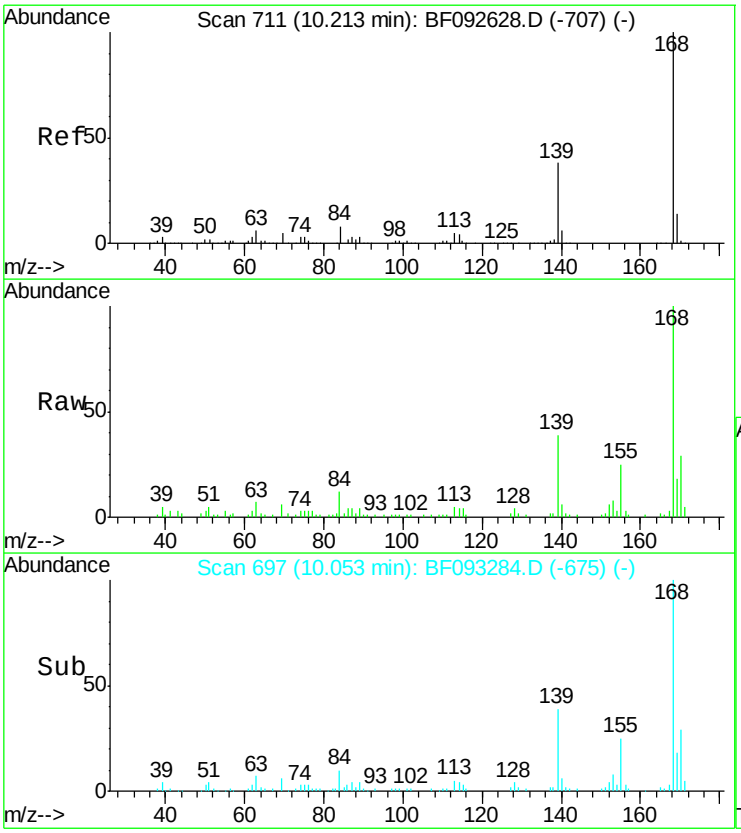
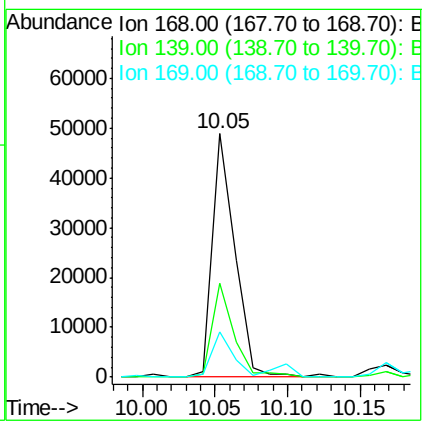
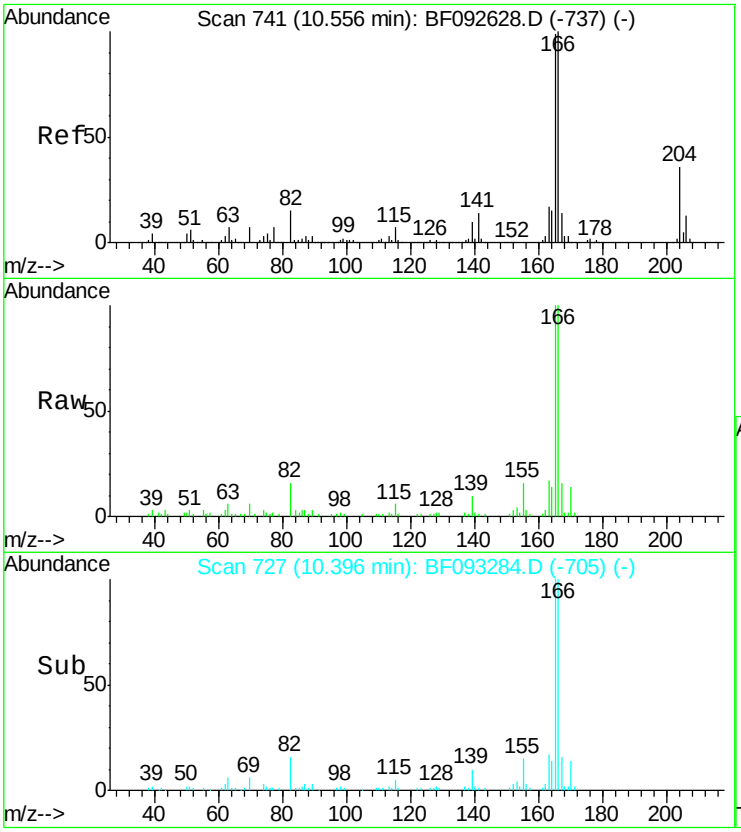


#54
Dibenzofuran
Concen: 3.60 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.05 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:168 Resp: 52667

Ion	Ratio	Lower	Upper
168	100		
139	38.7	32.6	49.0
169	18.5	11.3	16.9#

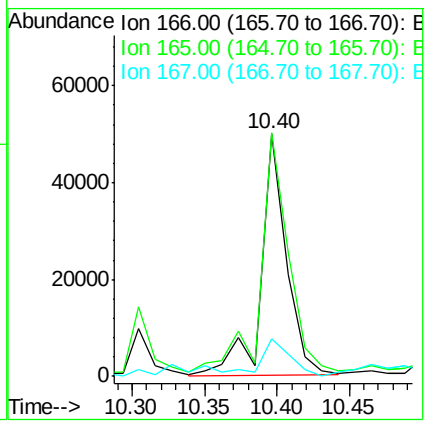




#57
Fluorene
Concen: 5.41 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.05 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:166 Resp: 60876

Ion	Ratio	Lower	Upper
166	100		
165	100.4	77.8	116.8
167	15.6	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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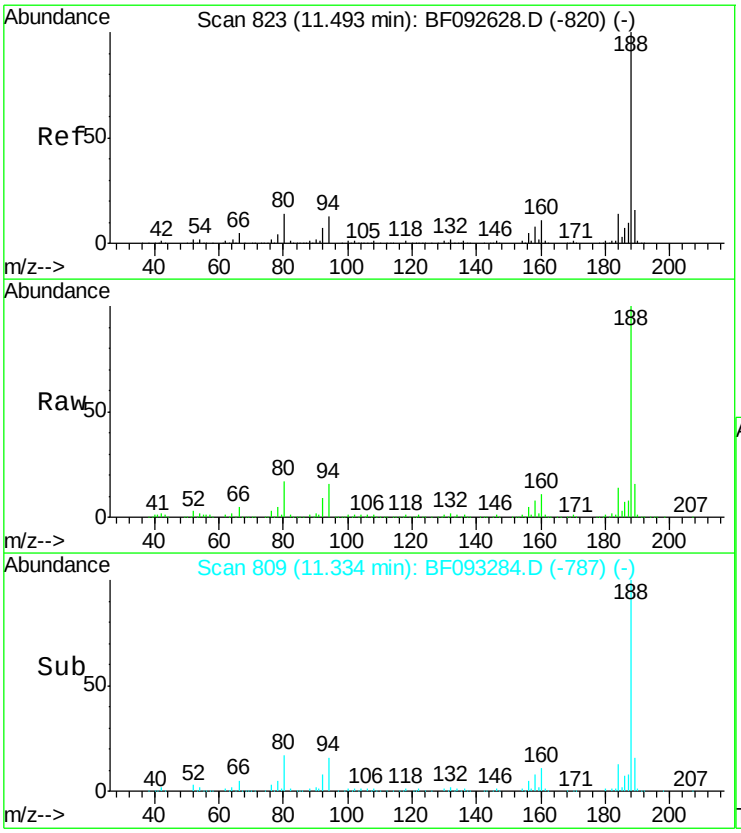
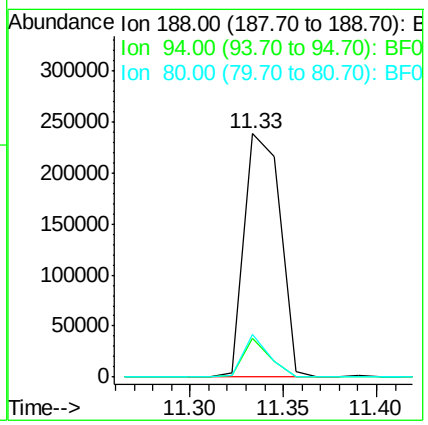
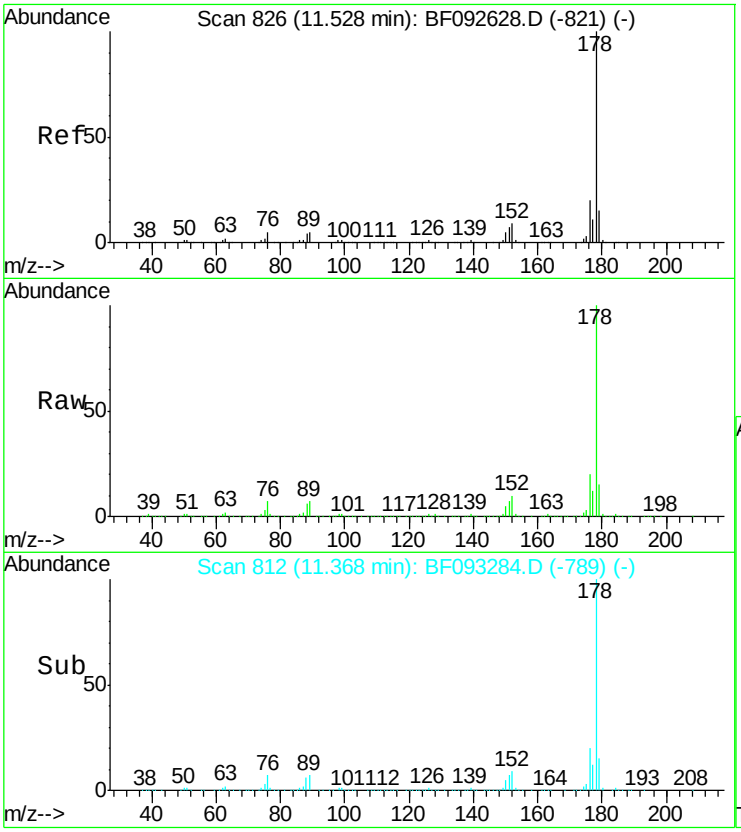


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:188 Resp: 318551

Ion	Ratio	Lower	Upper
188	100		
94	15.9	10.0	15.0#
80	17.4	11.2	16.8#

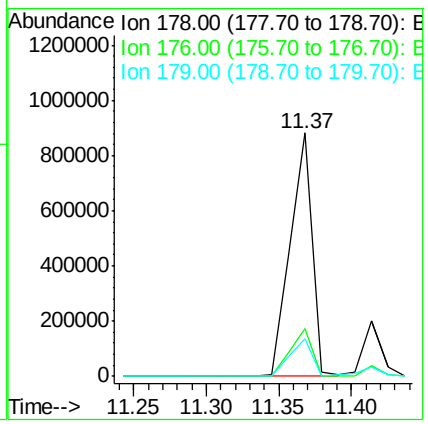




#70
Phenanthrene
Concen: 50.43 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:178 Resp: 920281

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.6	25.0
179	15.2	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
TK3-8-20170227DL

Manual Integrations APPROVED
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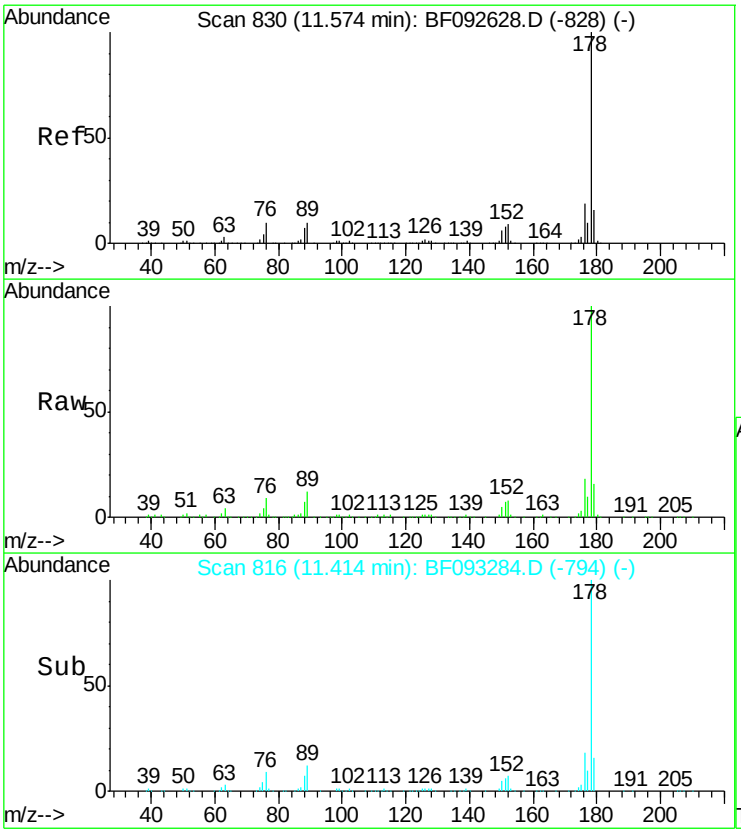
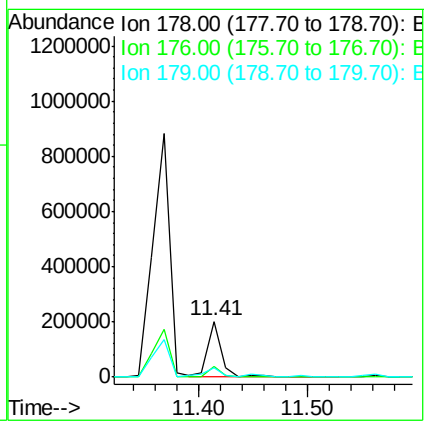
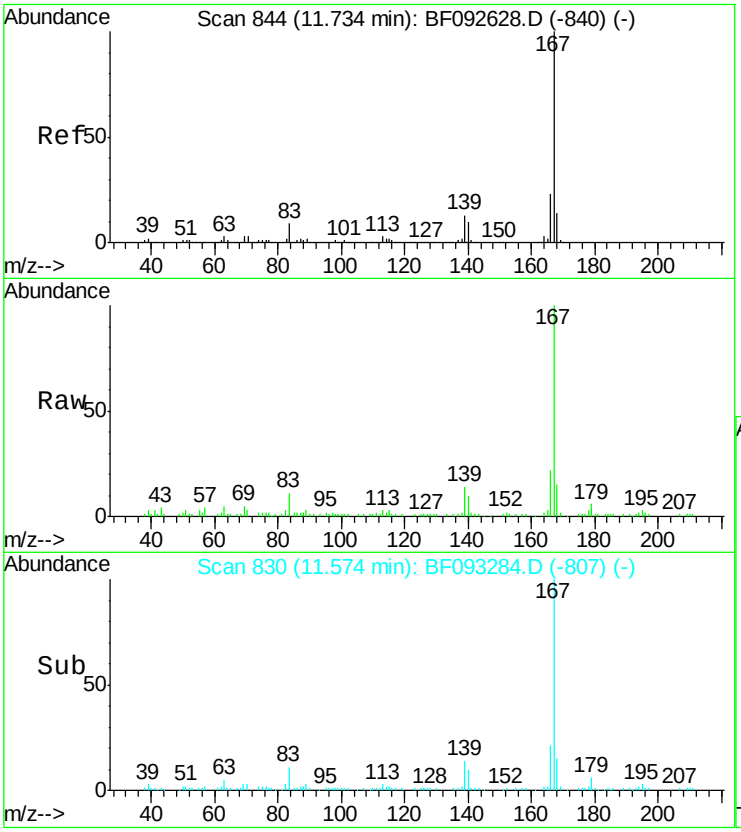


#71
Anthracene
Concen: 9.90 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:178 Resp: 181378

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.9	23.9
179	16.1	13.2	19.8

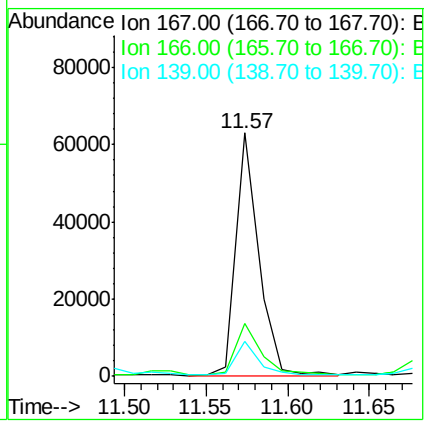




#72
Carbazole
Concen: 3.53 ng
RT: 11.57 min Scan# 830
Delta R.T. -0.03 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:167 Resp: 61901

Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.2	27.2
139	14.2	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
TK3-8-20170227DL

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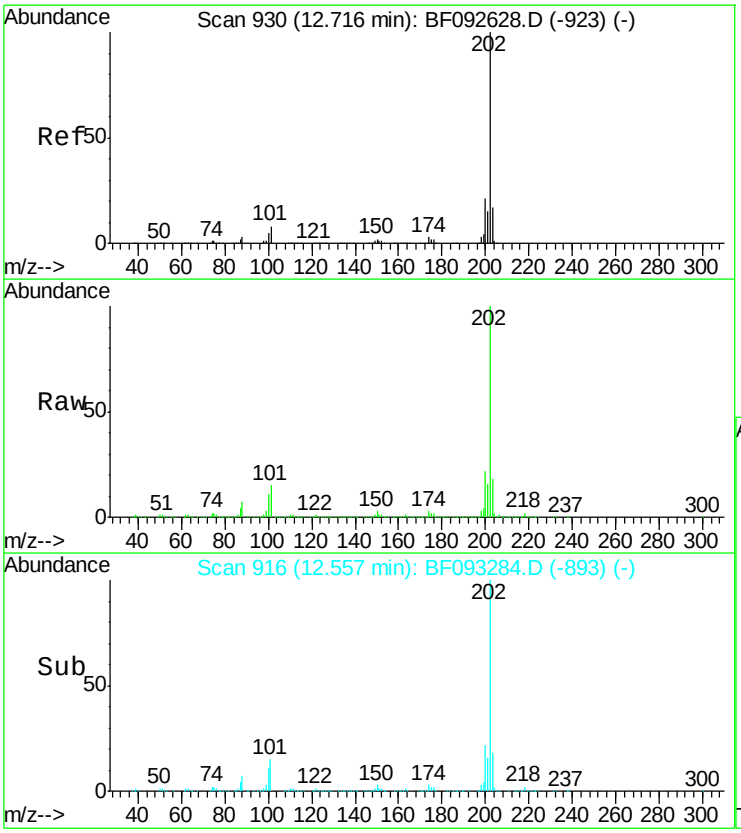
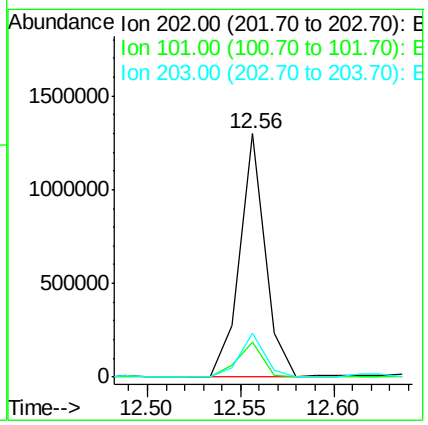
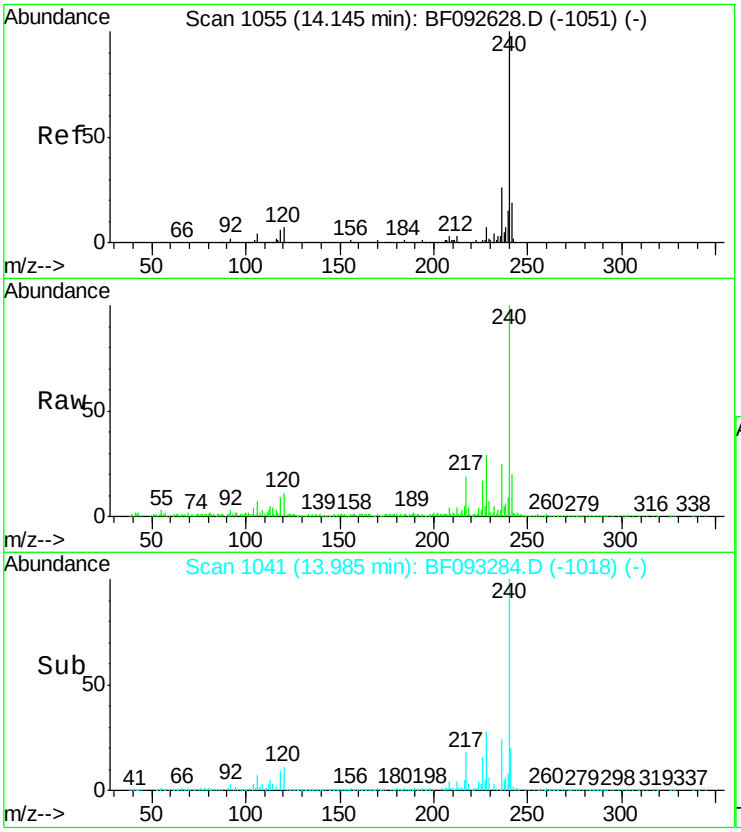


#74
Fluoranthene
Concen: 66.49 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.03 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:202 Resp: 1251619

Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.6
203	18.0	0.0	38.7

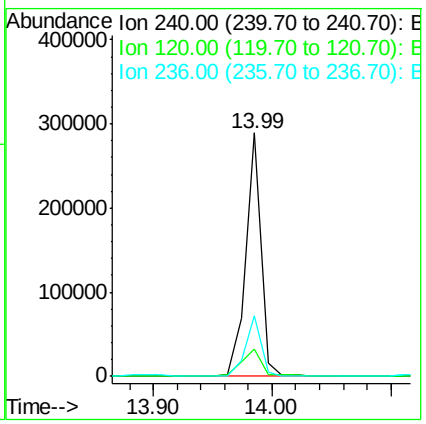




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:240 Resp: 258308

Ion	Ratio	Lower	Upper
240	100		
120	11.1	12.9	19.3#
236	25.0	20.9	31.3



Instrument :
BNA_F
ClientSampleId :
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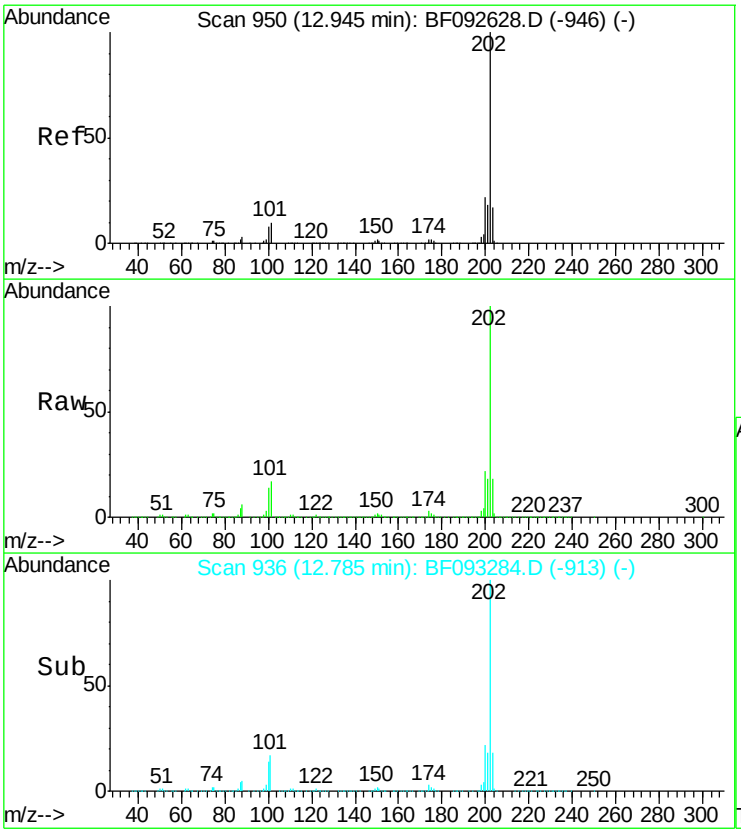
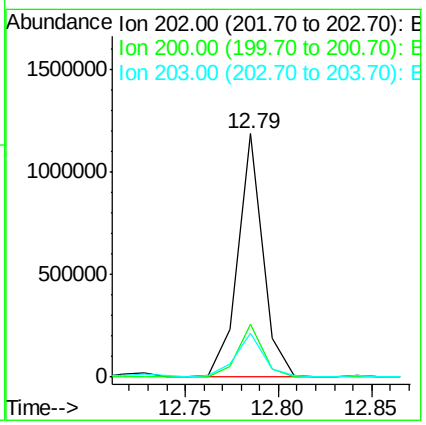
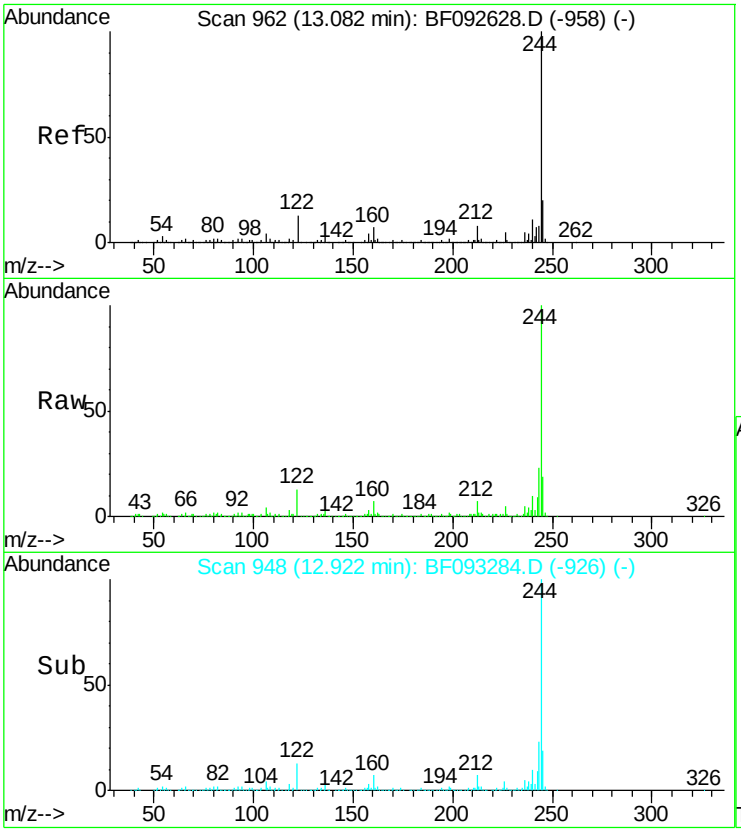


#77
Pyrene
Concen: 57.43 ng
RT: 12.79 min Scan# 936
Delta R.T. -0.03 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:202 Resp: 1110263

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.7	26.5
203	17.9	14.7	22.1

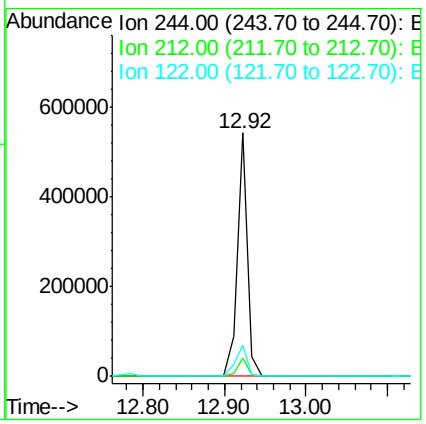




#78
Terphenyl-d14
Concen: 42.48 ng
RT: 12.92 min Scan# 948
Delta R.T. -0.05 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:244 Resp: 466959

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.2
122	12.6	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
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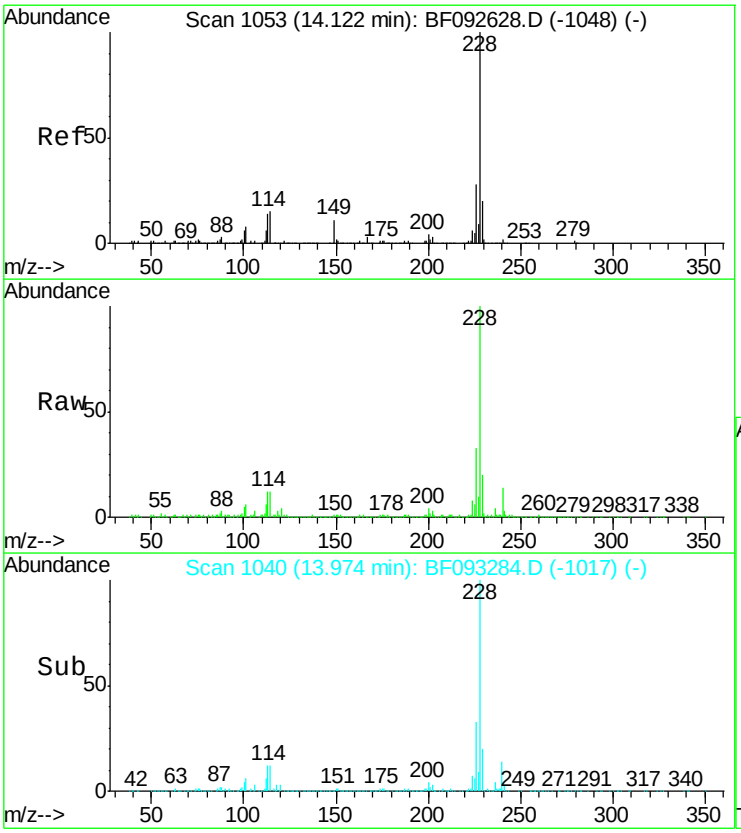
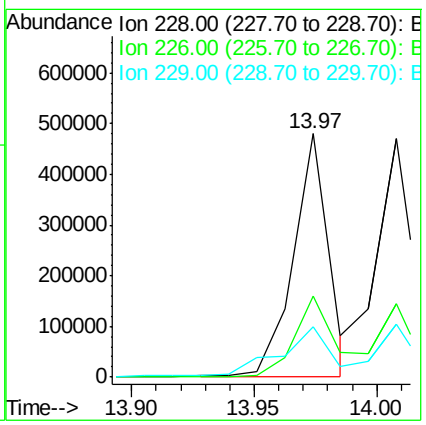
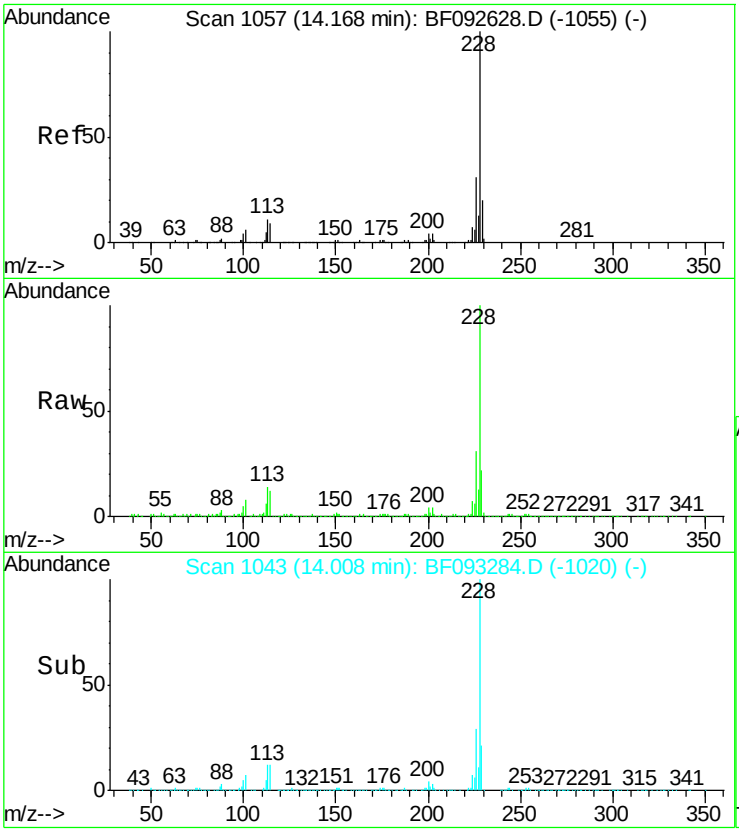


#80
Benzo(a)anthracene
Concen: 30.88 ng m
RT: 13.97 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:228 Resp: 487896

Ion	Ratio	Lower	Upper
228	100		
226	33.2	22.4	33.6
229	20.4	16.2	24.4

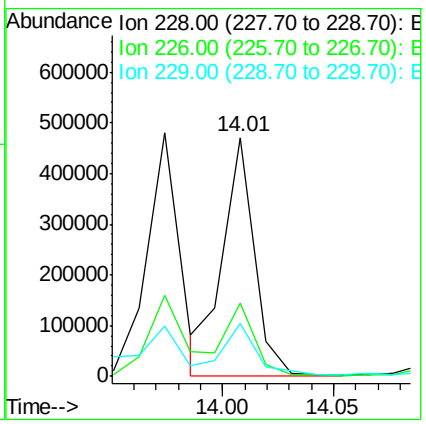




#82
Chrysene
Concen: 31.87 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:228 Resp: 471375

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.4	38.0
229	22.4	16.2	24.2



Instrument :
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ClientSampleId :
TK3-8-20170227DL

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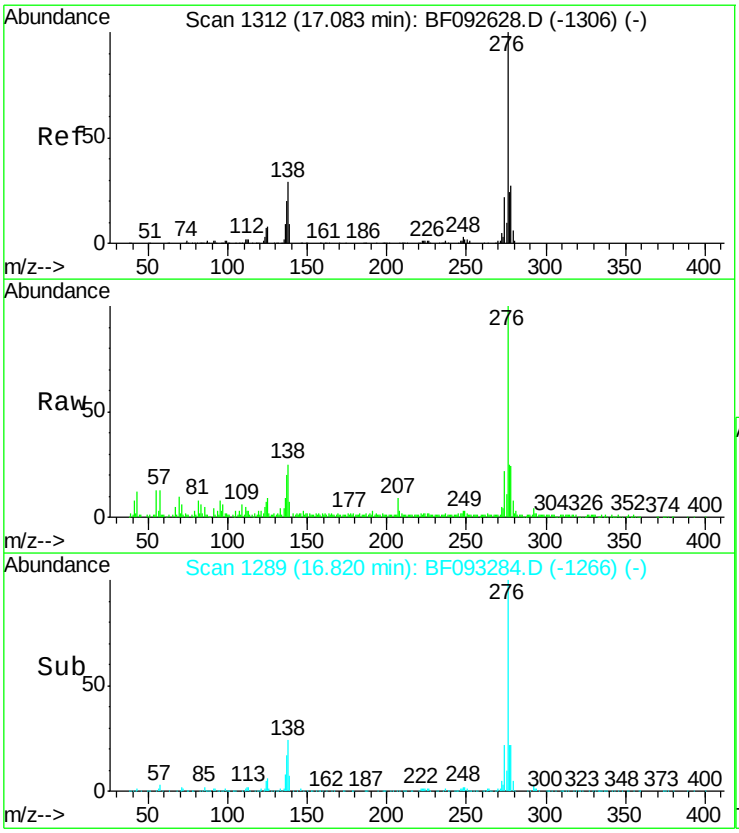
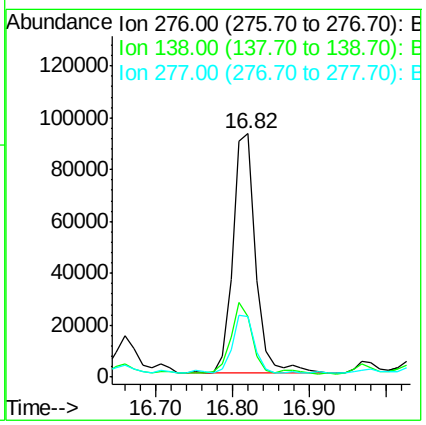
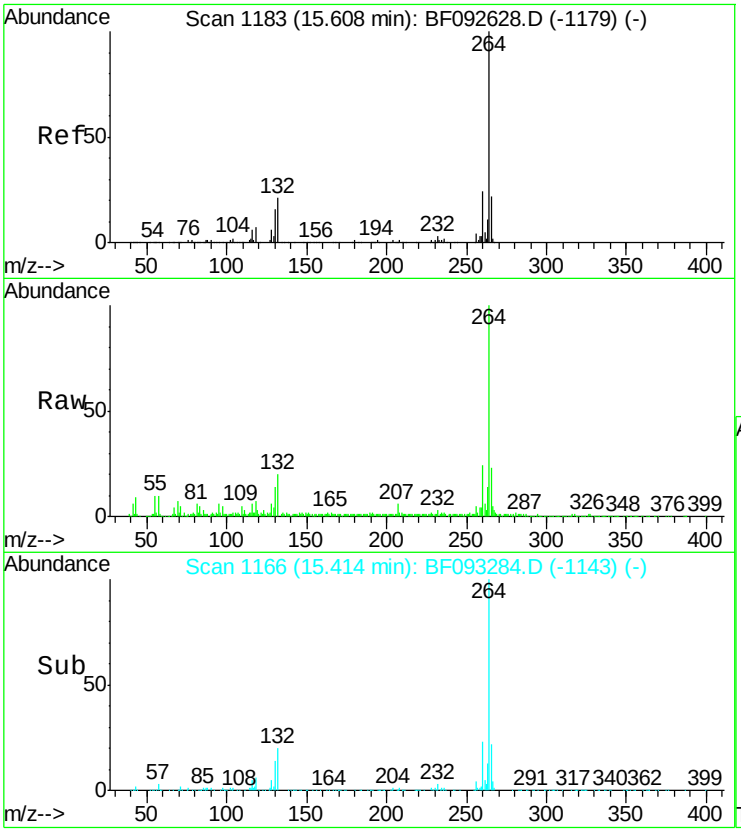


#85
Indeno(1,2,3-cd)pyrene
Concen: 16.87 ng
RT: 16.82 min Scan# 1289
Delta R.T. -0.03 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:276 Resp: 193255

Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.8	32.6
277	22.9	20.2	30.4

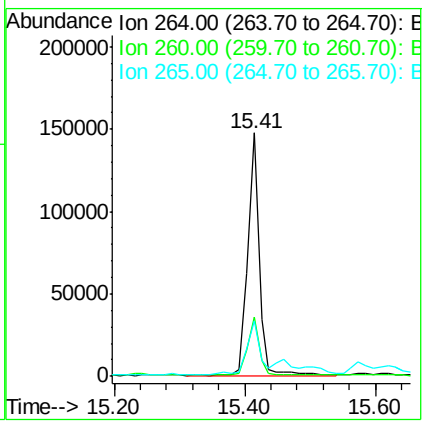




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:264 Resp: 179571

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.8	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
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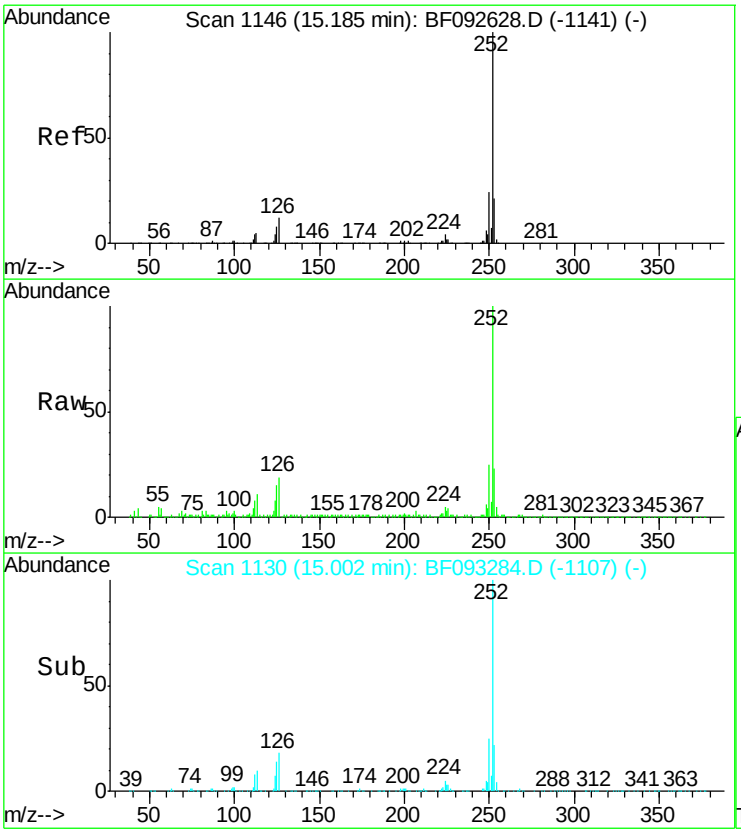
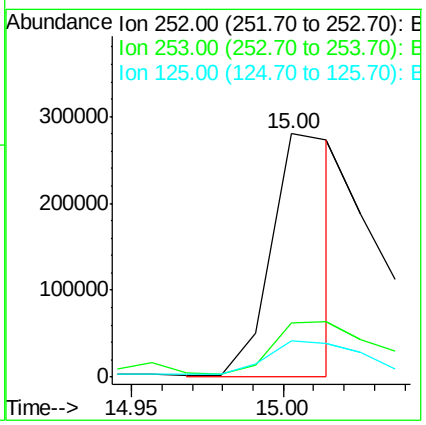
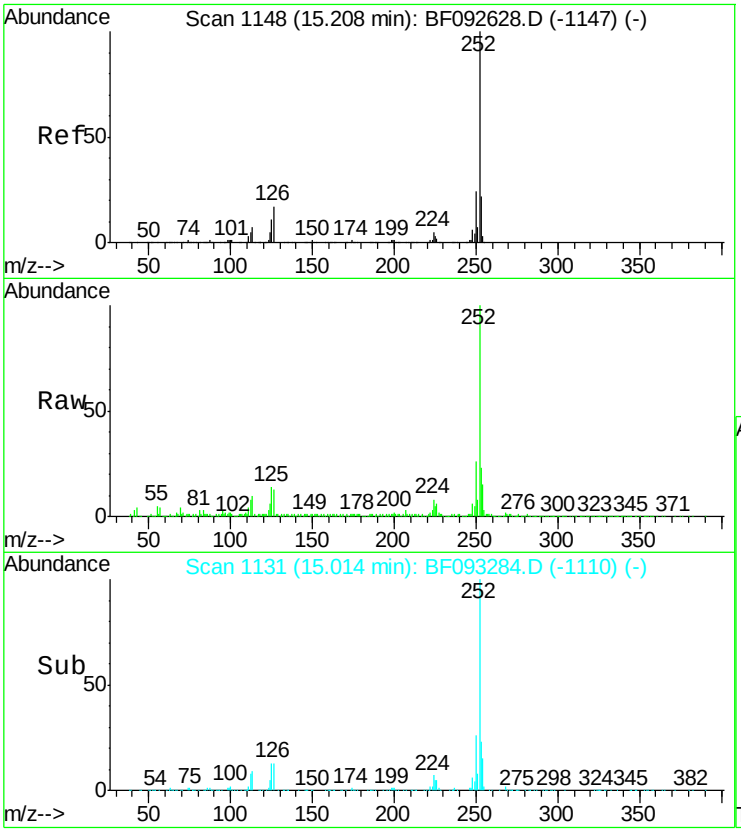


#87
Benzo(b)fluoranthene
Concen: 35.00 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:252 Resp: 413645

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	15.1	9.8	14.6#





#88
Benzo(k)fluoranthene
Concen: 20.63 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:252 Resp: 210528

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	14.0	8.9	13.3#

Instrument :
BNA_F
ClientSampleId :
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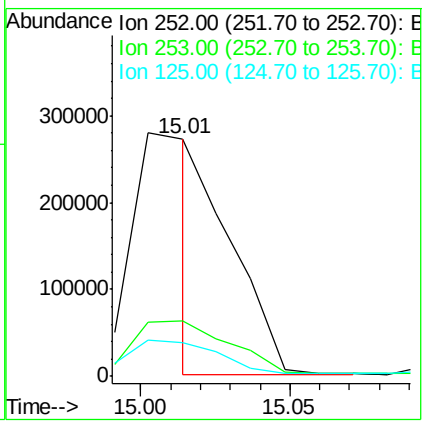
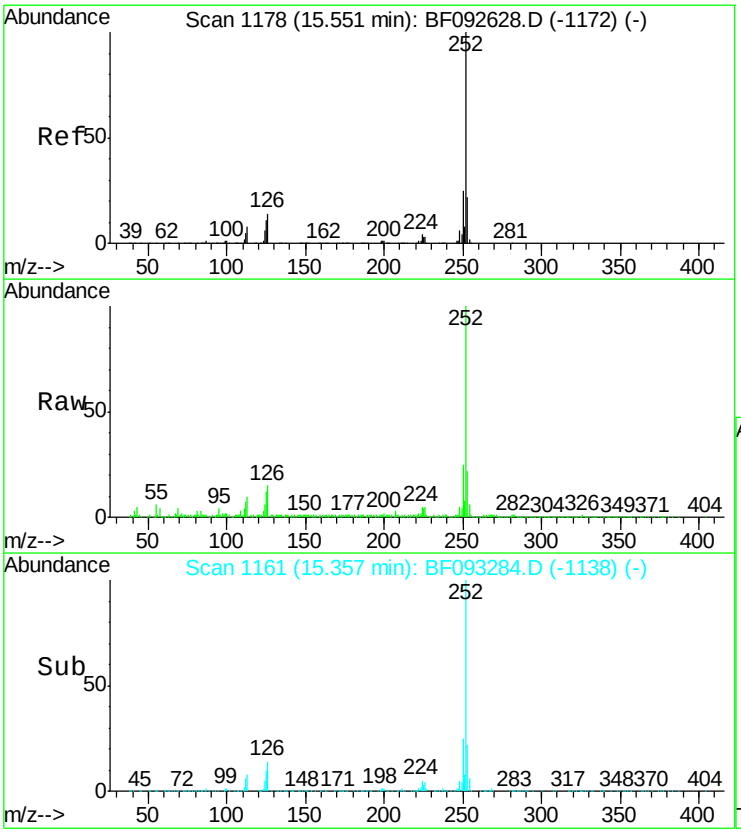
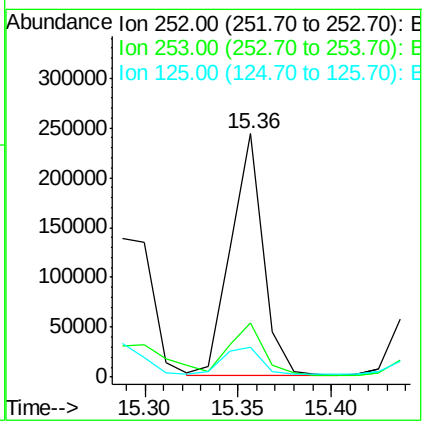


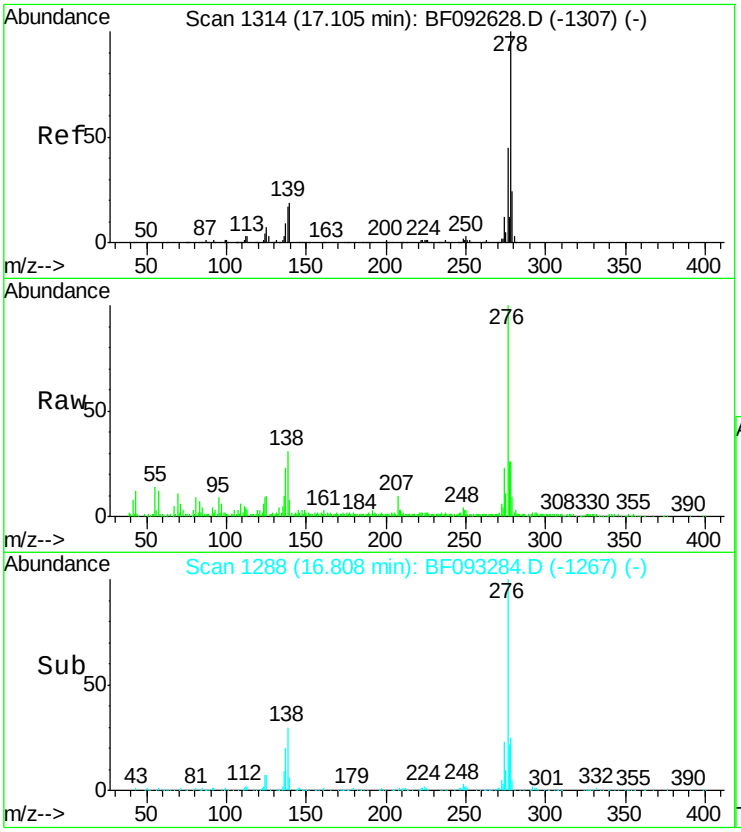


#89
Benzo(a)pyrene
Concen: 28.62 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:252 Resp: 292603

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	12.3	10.0	15.0

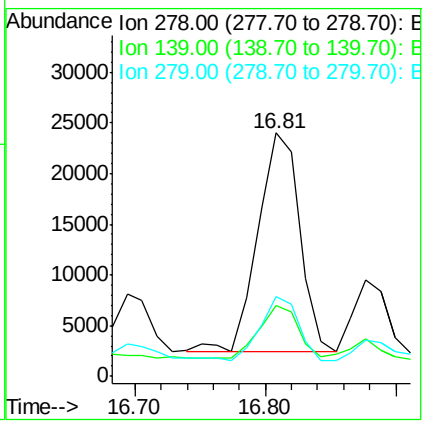




#90
Dibenzo(a,h)anthracene
Concen: 5.84 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.06 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:278 Resp: 48283

Ion	Ratio	Lower	Upper
278	100		
139	29.1	14.8	22.2#
279	32.8	19.8	29.6#



Instrument :
BNA_F
ClientSampleId :
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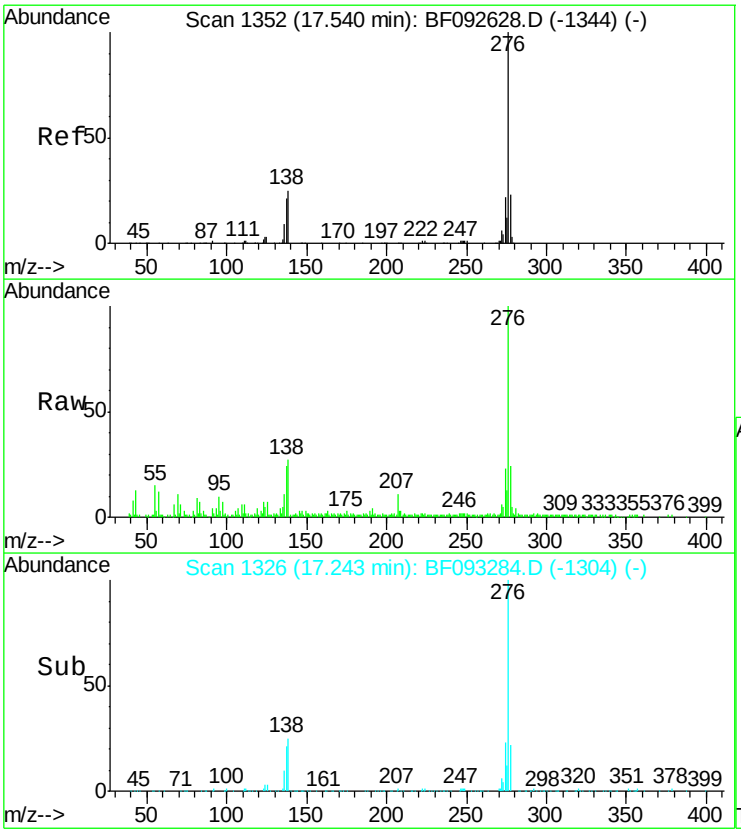

#91
Benzo(g,h,i)perylene
Concen: 20.33 ng
RT: 17.24 min Scan# 1326
Delta R.T. -0.05 min
Lab File: BF093284.D
Acq: 1 Mar 2017 10:09

Tgt Ion:276 Resp: 169716

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	26.6	16.0	24.0#