Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093251.D
Acq On : 28 Feb 2017 16:27
Operator : SJ/MA
Sample : I2017-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-3-20170227

Manual Integrations APPROVED
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Quant Time: Mar 01 08:14:40 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	149445	20.00	ng		-0.05
21) Naphthalene-d8	8.09	136	501123	20.00	ng		-0.06
38) Acenaphthene-d10	9.85	164	206325	20.00	ng		-0.05
63) Phenanthrene-d10	11.33	188	315028	20.00	ng		-0.05
75) Chrysene-d12	13.97	240	312631	20.00	ng		-0.05
86) Perylene-d12	15.40	264	297898	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	938776	107.77	ng		-0.03
7) Phenol-d6	6.46	99	1177241	105.04	ng		-0.02
23) Nitrobenzene-d5	7.38	82	730424	81.17	ng		-0.05
41) 2,4,6-Tribromophenol	10.64	330	145984	97.83	ng		-0.05
44) 2-Fluorobiphenyl	9.16	172	919557	80.74	ng		-0.06
78) Terphenyl-d14	12.91	244	562662	42.29	ng		-0.06
Target Compounds							Qvalue
10) Phenol	6.48	94	78842	6.01	ng	#	72
31) Naphthalene	8.11	128	96679	3.81	ng		99
48) Acenaphthylene	9.70	152	175350	8.69	ng		97
49) Dimethylphthalate	9.56	163	113737	8.18	ng		99
51) Acenaphthene	9.87	154	33550	2.78	ng		88
54) Dibenzofuran	10.05	168	48058	2.98	ng	#	88
57) Fluorene	10.38	166	54496	4.39	ng	#	95
70) Phenanthrene	11.36	178	995177	55.14	ng		98
71) Anthracene	11.40	178	213322	11.77	ng		98
72) Carbazole	11.56	167	100359	5.79	ng		98
74) Fluoranthene	12.54	202	1173156	63.02	ng		99
77) Pyrene	12.77	202	1226046	52.40	ng		99
80) Benzo(a)anthracene	13.96	228	694174	36.30	ng		96
82) Chrysene	14.00	228	718890m	40.16	ng		
85) Indeno(1,2,3-cd)pyrene	16.80	276	285376	20.58	ng		99
87) Benzo(b)fluoranthene	15.00	252	697196m	35.56	ng		
88) Benzo(k)fluoranthene	15.00	252	349705m	20.66	ng		
89) Benzo(a)pyrene	15.35	252	554889	32.72	ng		99
90) Dibenzo(a,h)anthracene	16.80	278	82660m	6.03	ng		
91) Benzo(g,h,i)perylene	17.21	276	270888	19.56	ng	#	87

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

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Instrument :
BNA_F
ClientSampleId :
TK3-3-20170227

Manual Integrations APPROVED
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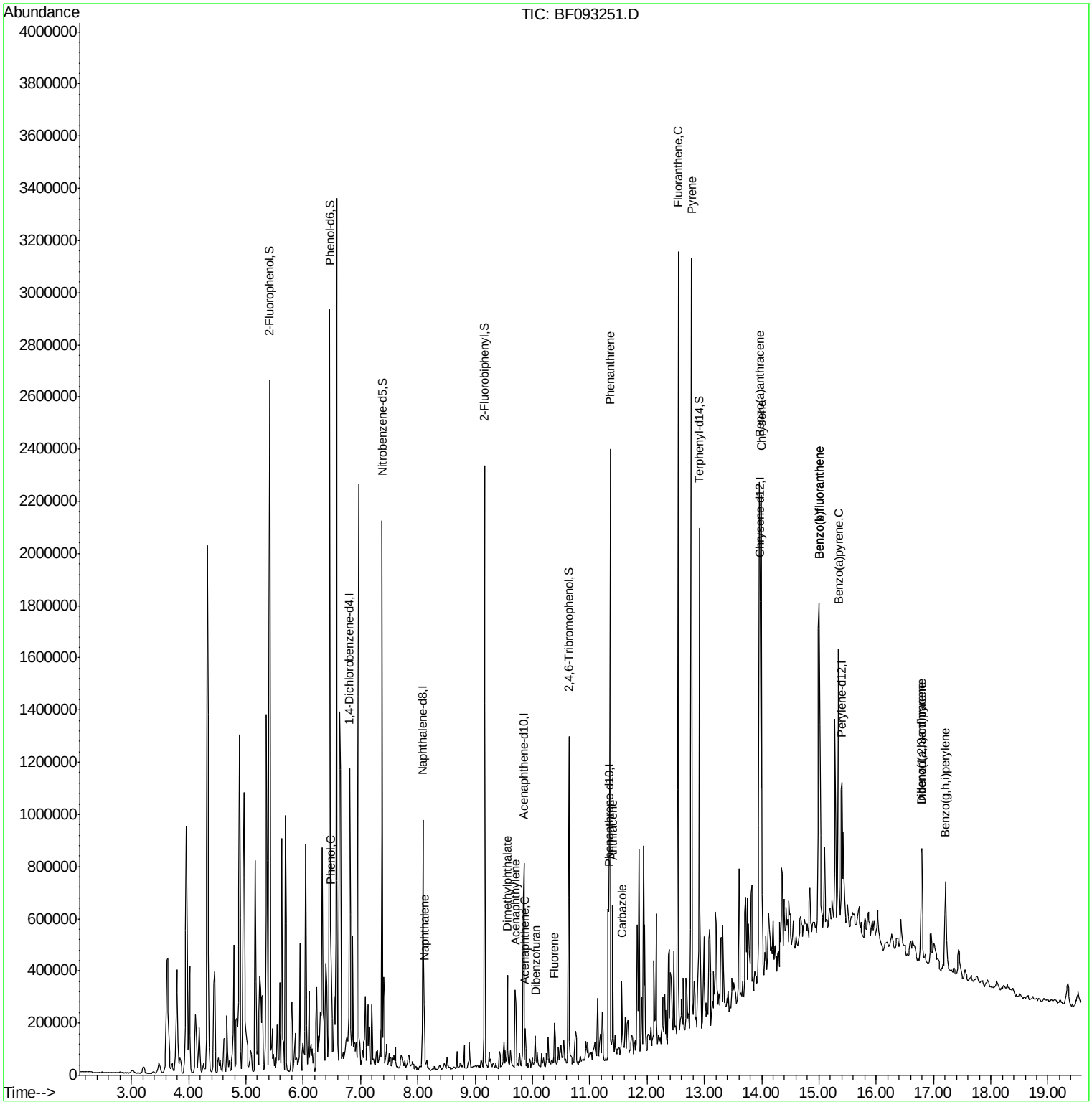
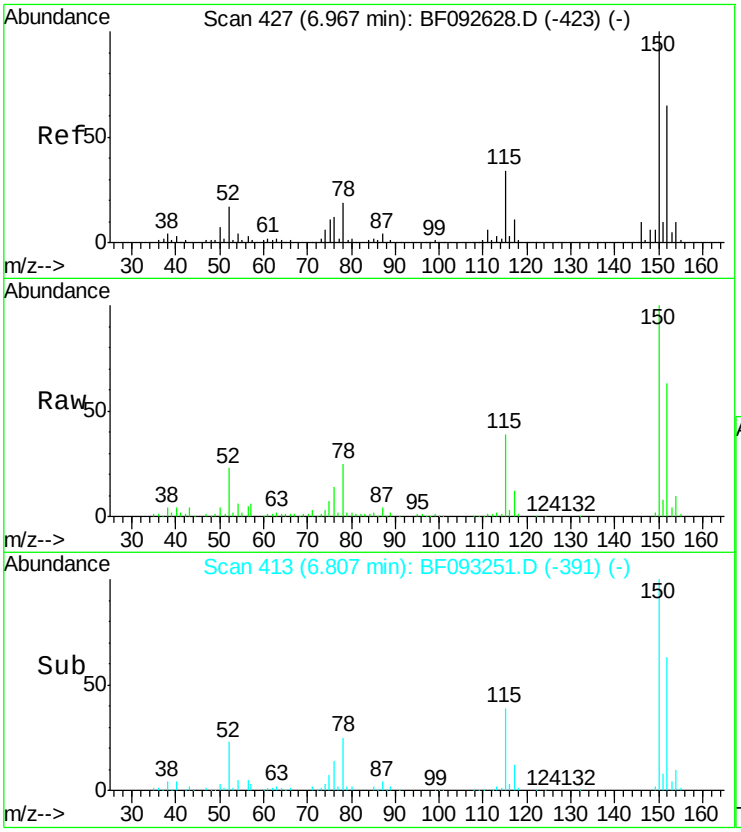
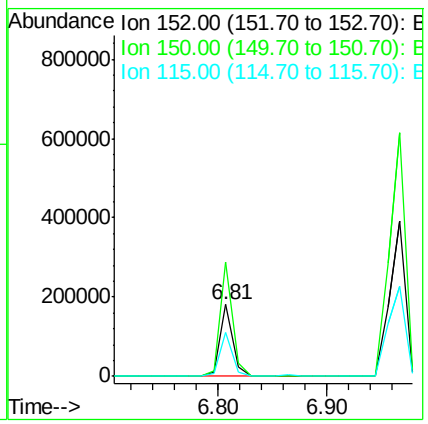




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:152 Resp: 149445

Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.9	187.3
115	61.7	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
TK3-3-20170227

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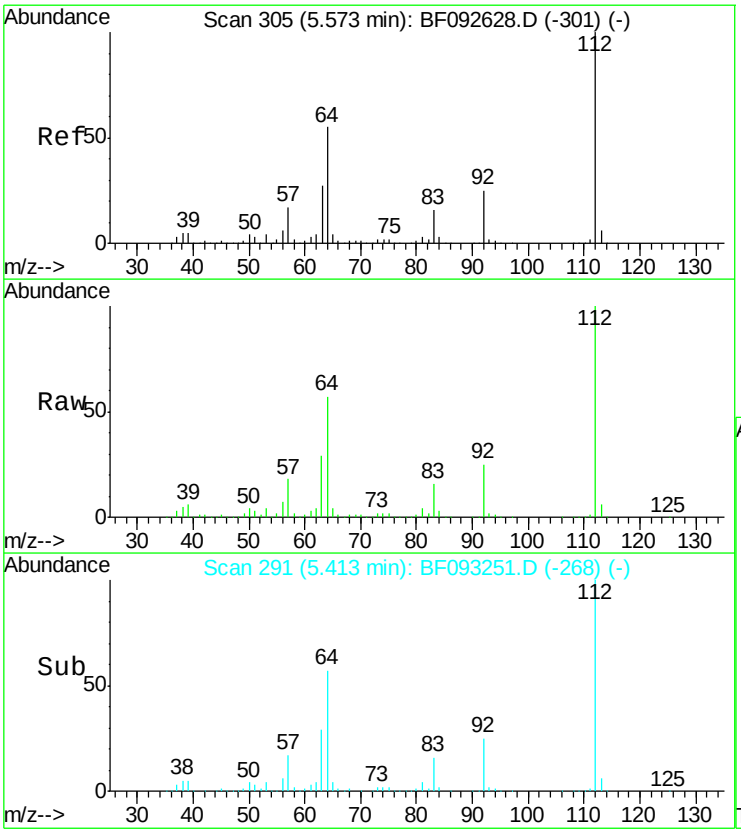
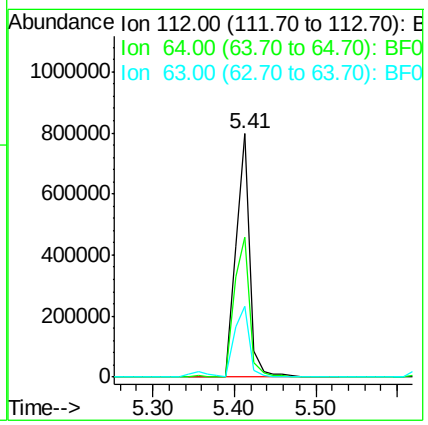
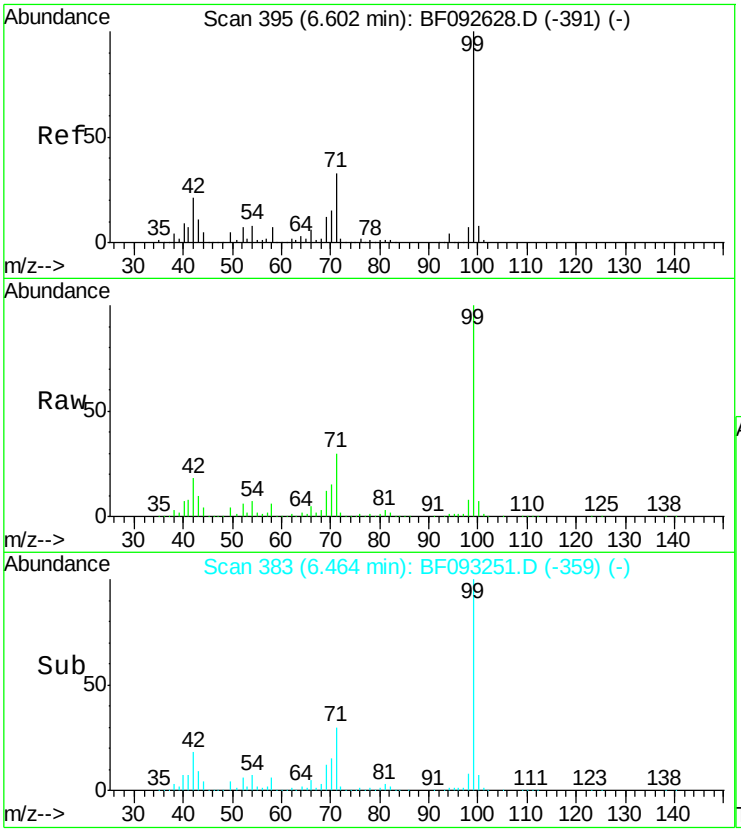


#5
2-Fluorophenol
Concen: 107.77 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:112 Resp: 938776

Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.1	69.1
63	28.9	23.8	35.6

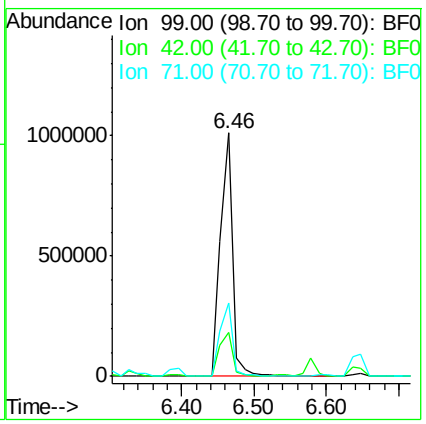




#7
Phenol-d6
Concen: 105.04 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.02 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion: 99 Resp: 1177241

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.6	23.4
71	30.2	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
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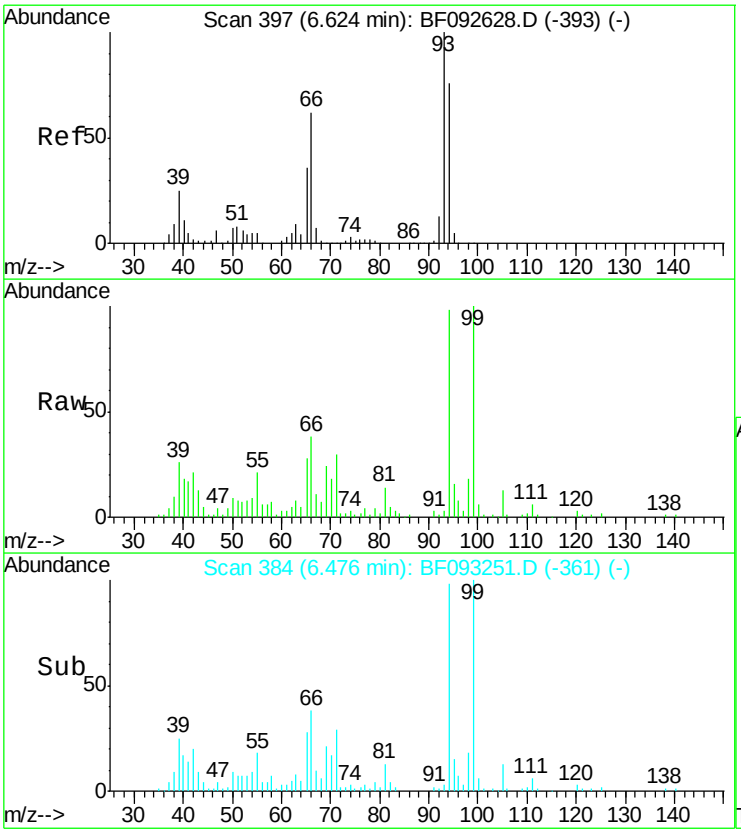
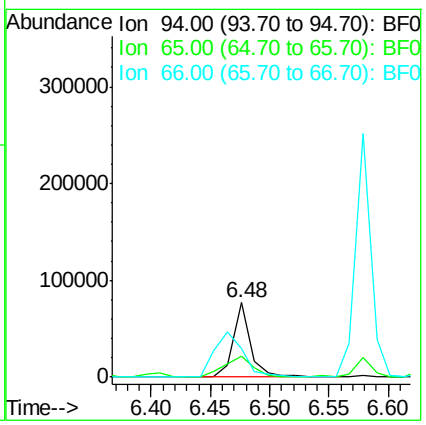
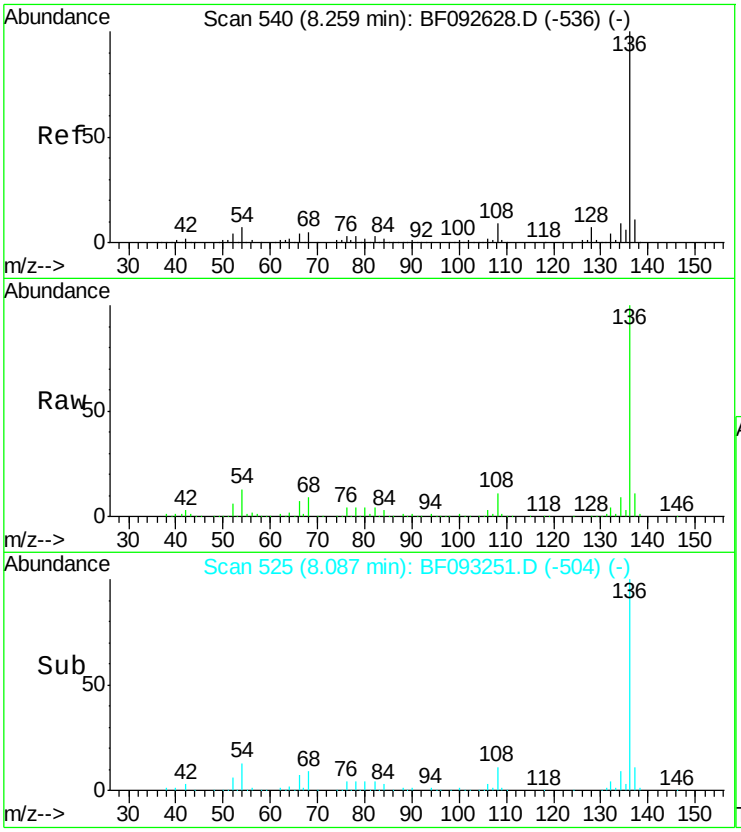


#10
Phenol
Concen: 6.01 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.03 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion: 94 Resp: 78842

Ion	Ratio	Lower	Upper
94	100		
65	28.6	21.4	61.4
66	38.6	44.0	84.0#

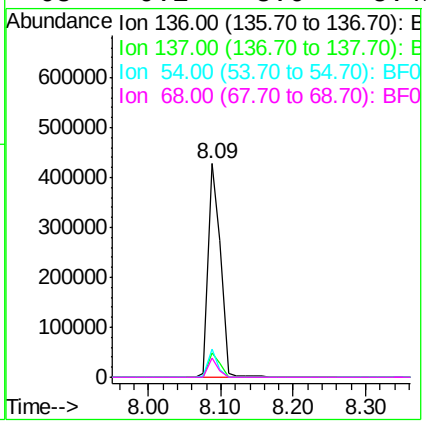




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:136 Resp: 501123

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	13.3	4.5	6.7#
68	9.1	3.6	5.4#



Instrument :
BNA_F
ClientSampleId :
TK3-3-20170227

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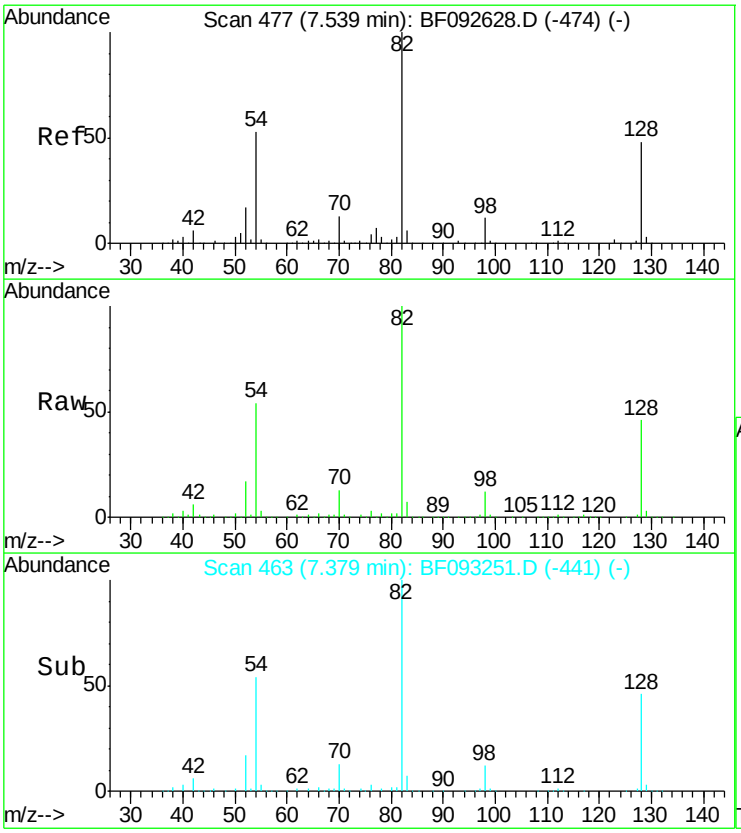
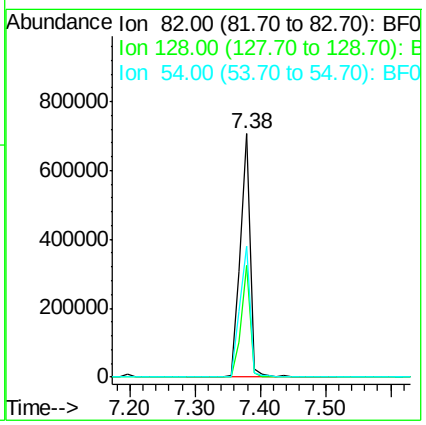
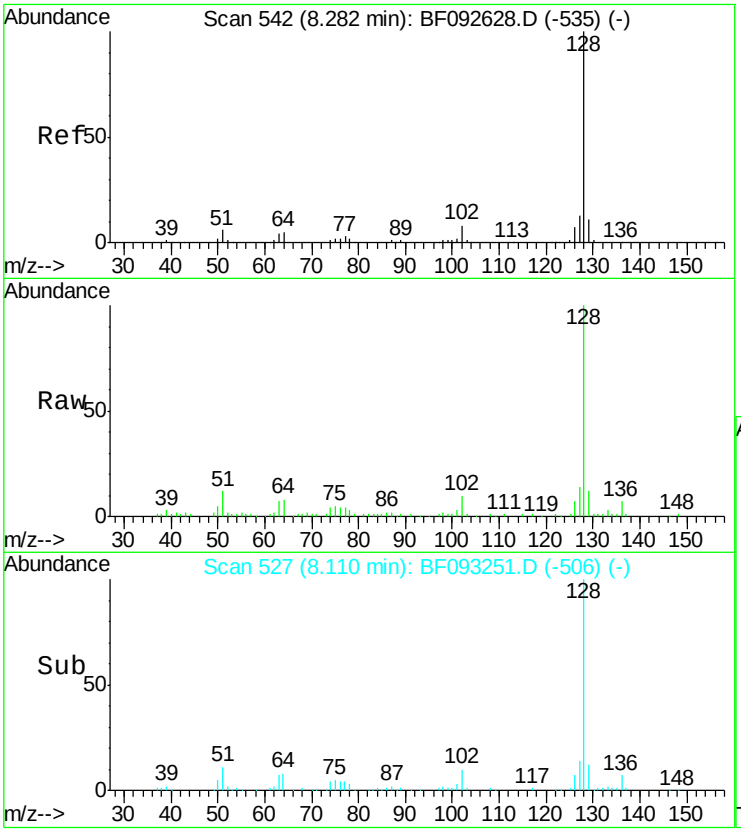


#23
Nitrobenzene-d5
Concen: 81.17 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion: 82 Resp: 730424

Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.6	52.0
54	53.9	39.5	59.3

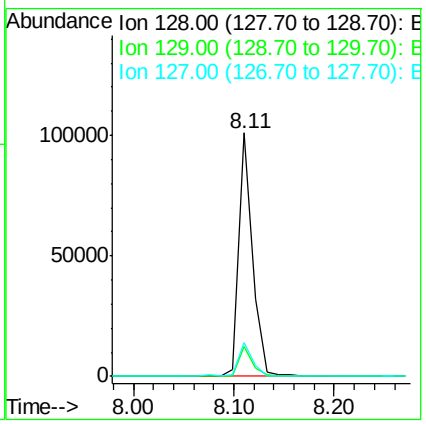




#31
Naphthalene
Concen: 3.81 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:128 Resp: 96679

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.5	14.3
127	13.7	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
TK3-3-20170227

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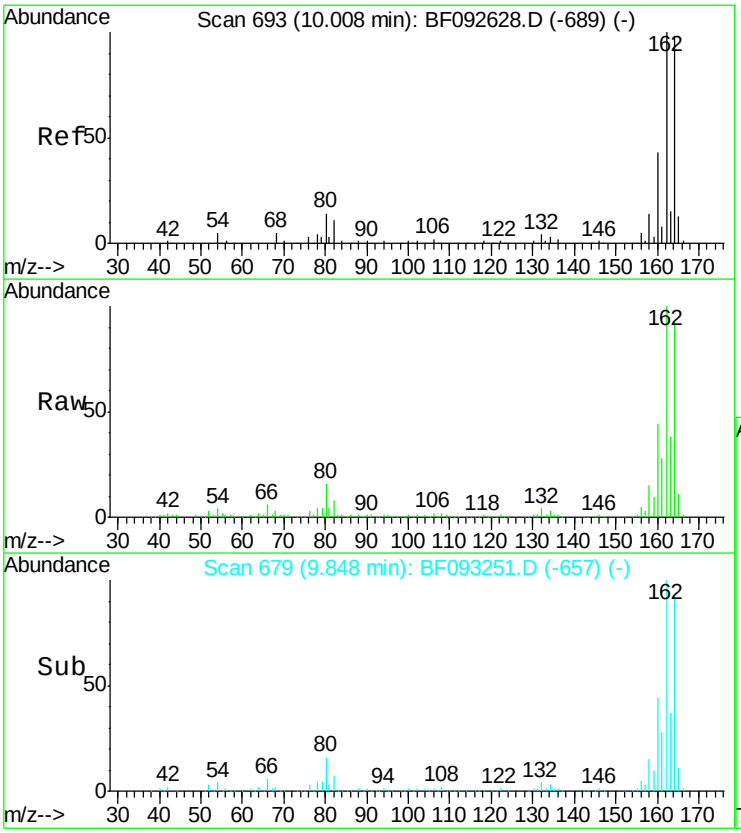
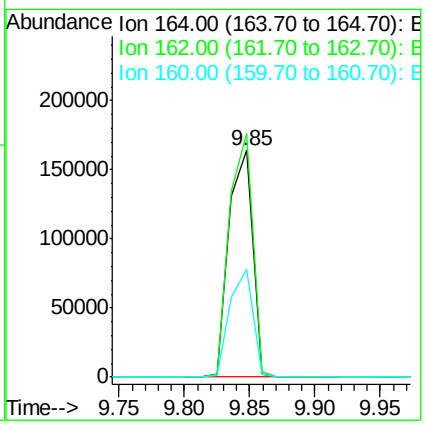
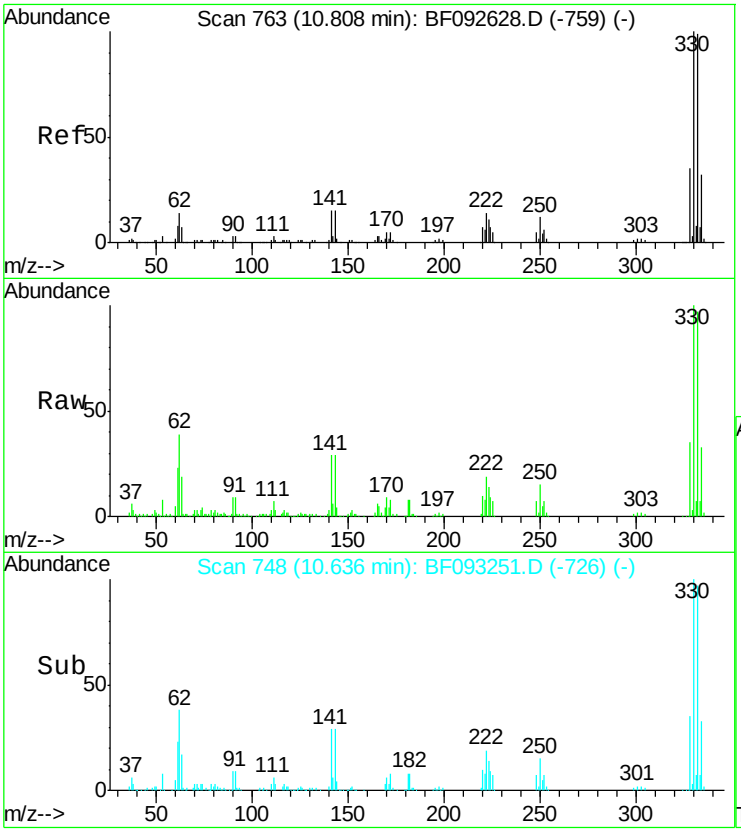


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:164 Resp: 206325

Ion	Ratio	Lower	Upper
164	100		
162	107.4	80.2	120.2
160	47.6	36.9	55.3

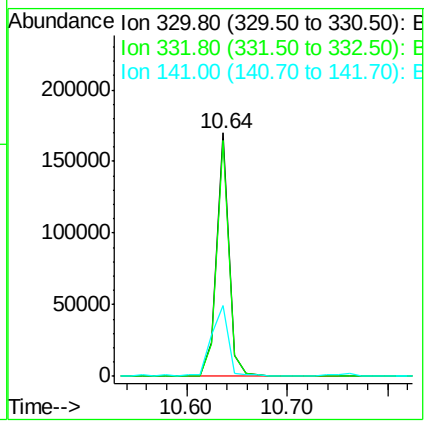




#41
2,4,6-Tribromophenol
Concen: 97.83 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:330 Resp: 145984

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.2
141	40.0	34.1	51.1



Instrument :
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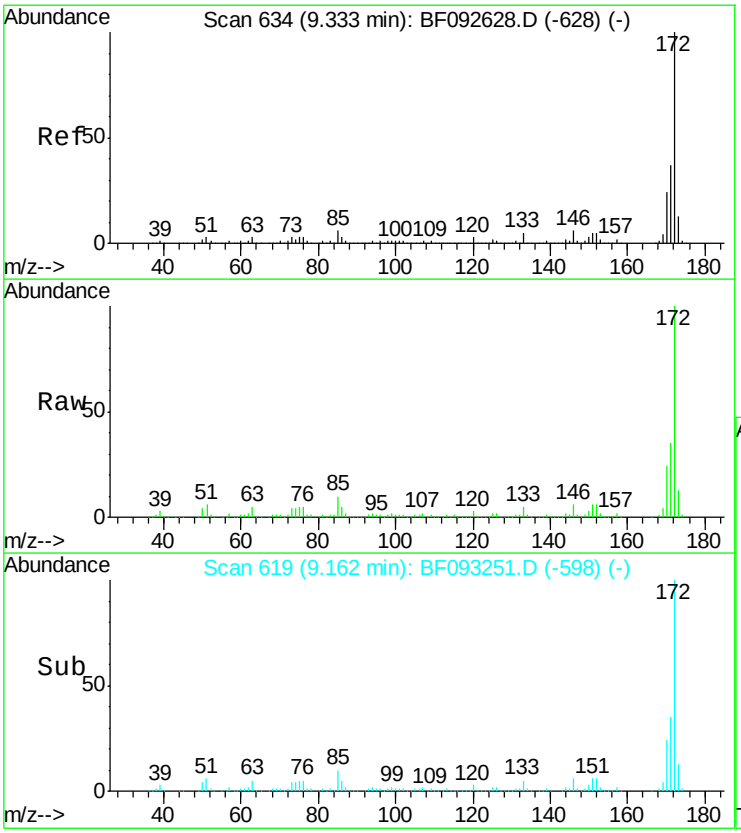
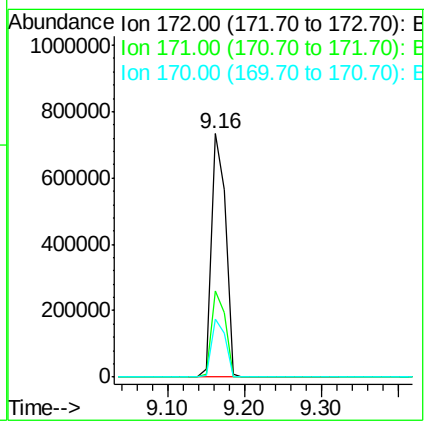
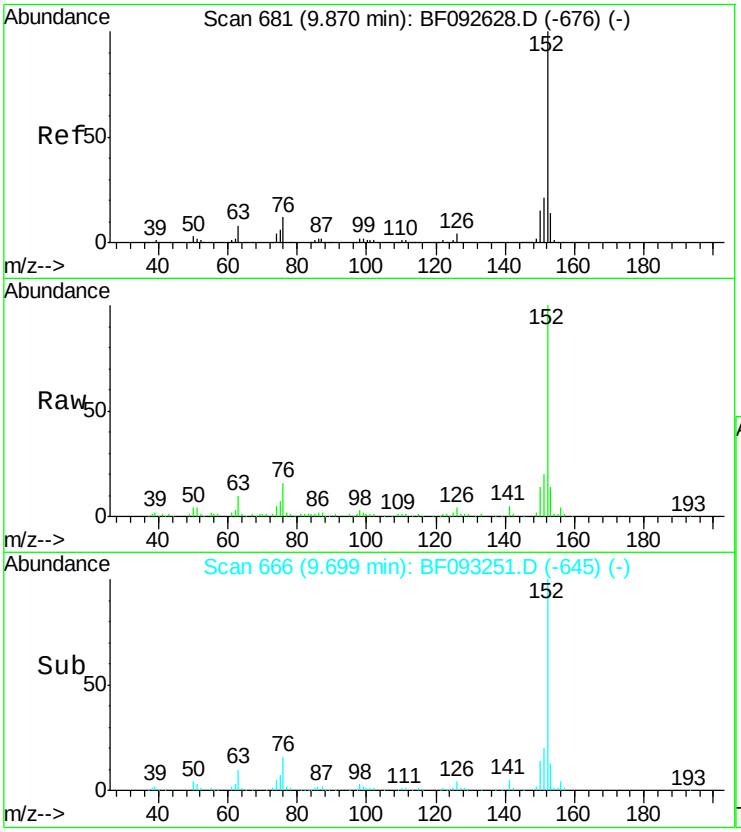


#44
2-Fluorobiphenyl
Concen: 80.74 ng
RT: 9.16 min Scan# 619
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:172 Resp: 919557

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.4	44.0
170	23.6	20.2	30.4

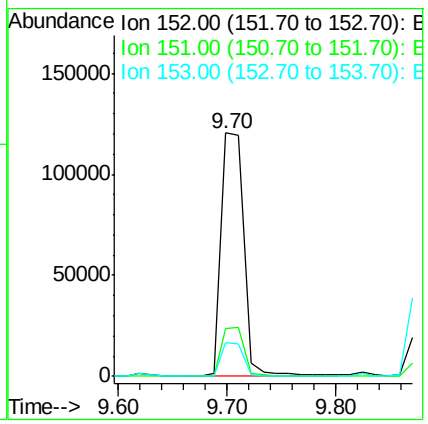




#48
Acenaphthylene
Concen: 8.69 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:152 Resp: 175350

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.9	25.3
153	13.7	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
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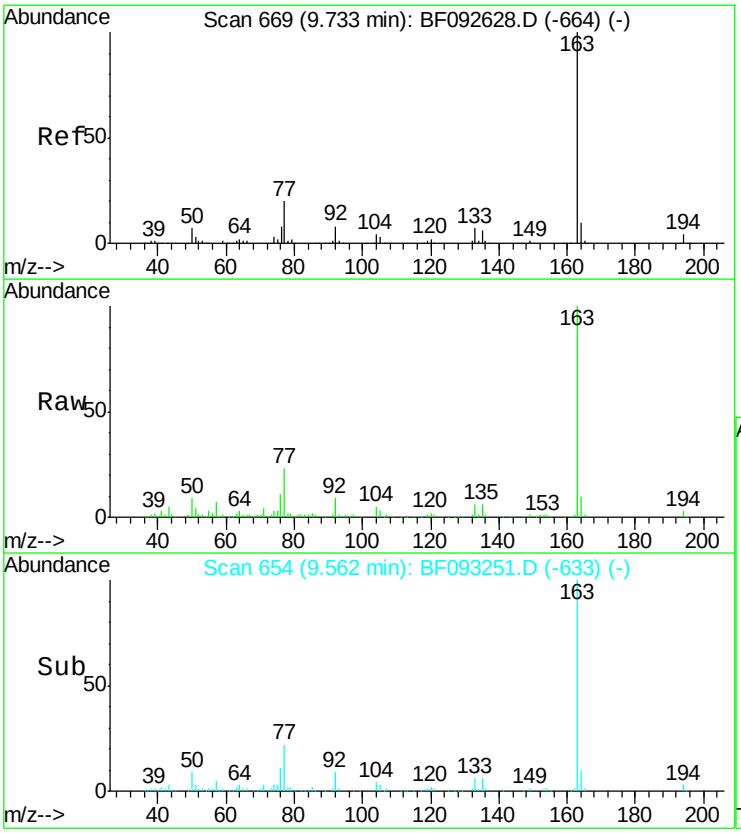
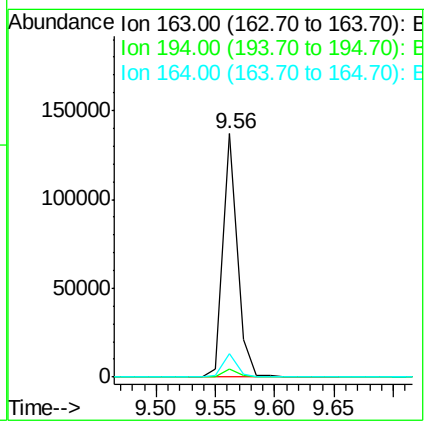
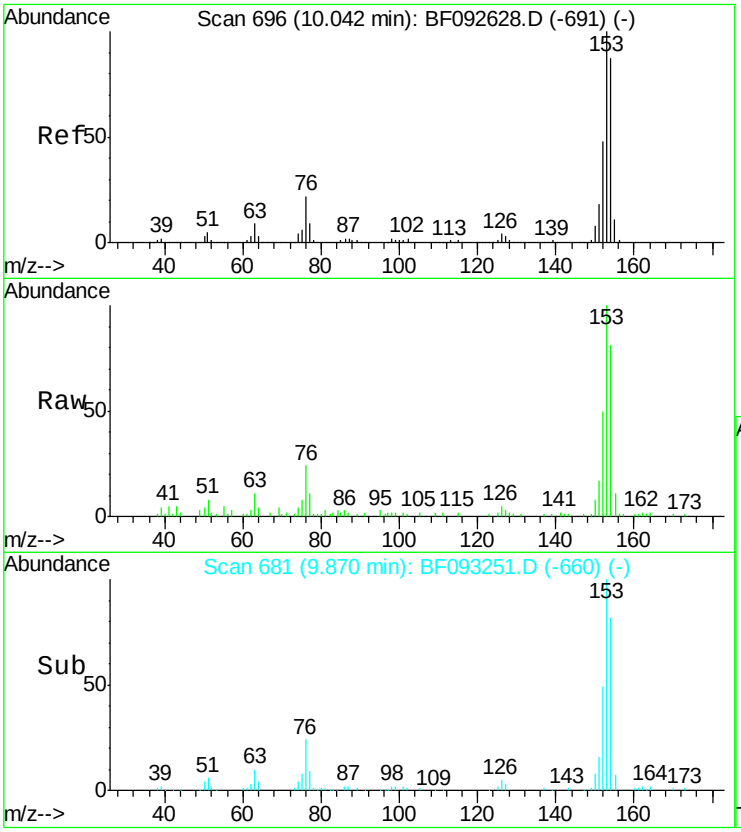


#49
Dimethylphthalate
Concen: 8.18 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:163 Resp: 113737

Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.4
164	9.7	8.0	12.0

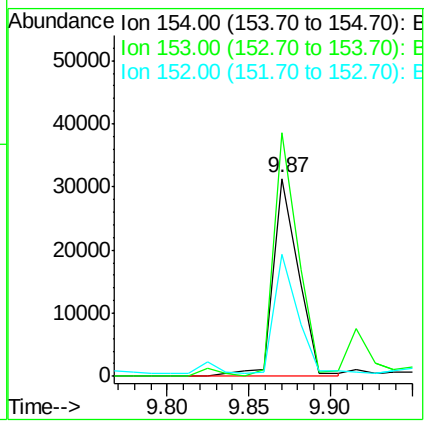




#51
Acenaphthene
Concen: 2.78 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:154 Resp: 33550

Ion	Ratio	Lower	Upper
154	100		
153	123.2	88.6	133.0
152	61.7	41.6	62.4



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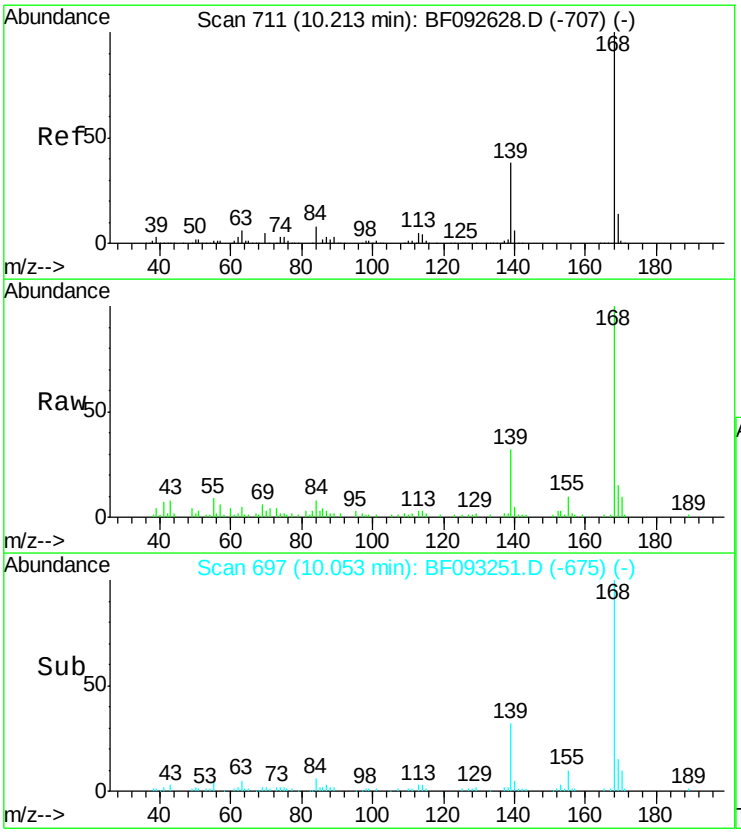
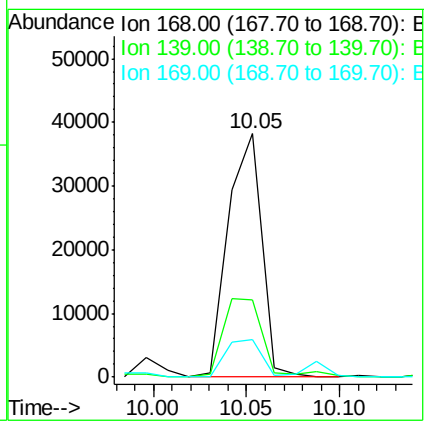
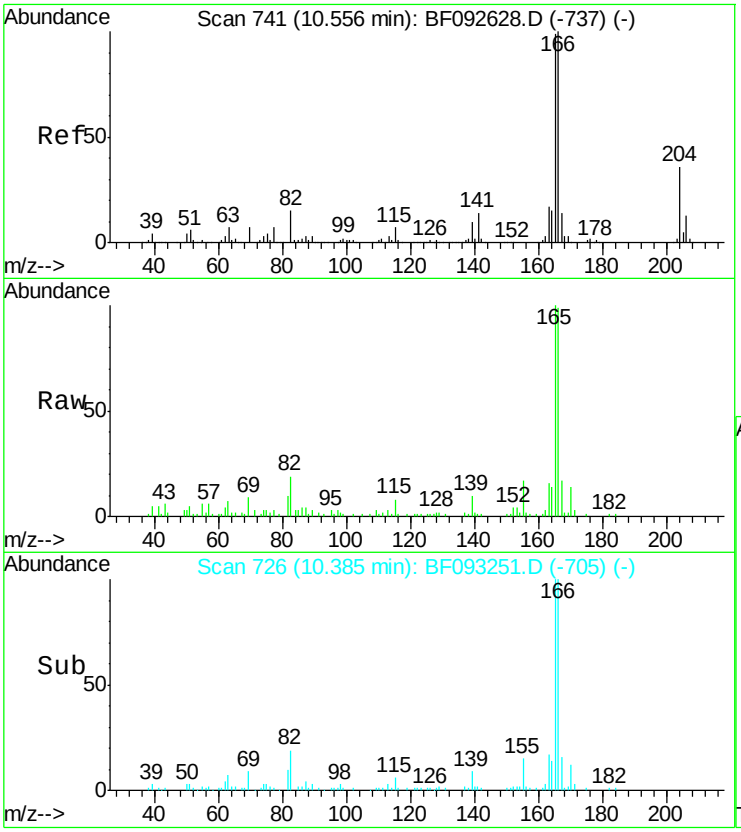


#54
Dibenzofuran
Concen: 2.98 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:168 Resp: 48058

Ion	Ratio	Lower	Upper
168	100		
139	31.5	32.6	49.0#
169	15.5	11.3	16.9

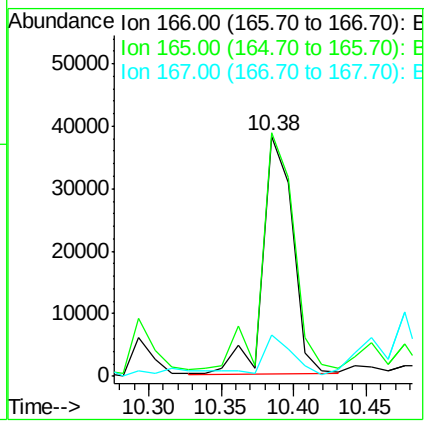




#57
Fluorene
Concen: 4.39 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:166 Resp: 54496

Ion	Ratio	Lower	Upper
166	100		
165	101.4	77.8	116.8
167	17.1	10.8	16.2#



Instrument :
BNA_F
ClientSampleId :
TK3-3-20170227

Manual Integrations APPROVED
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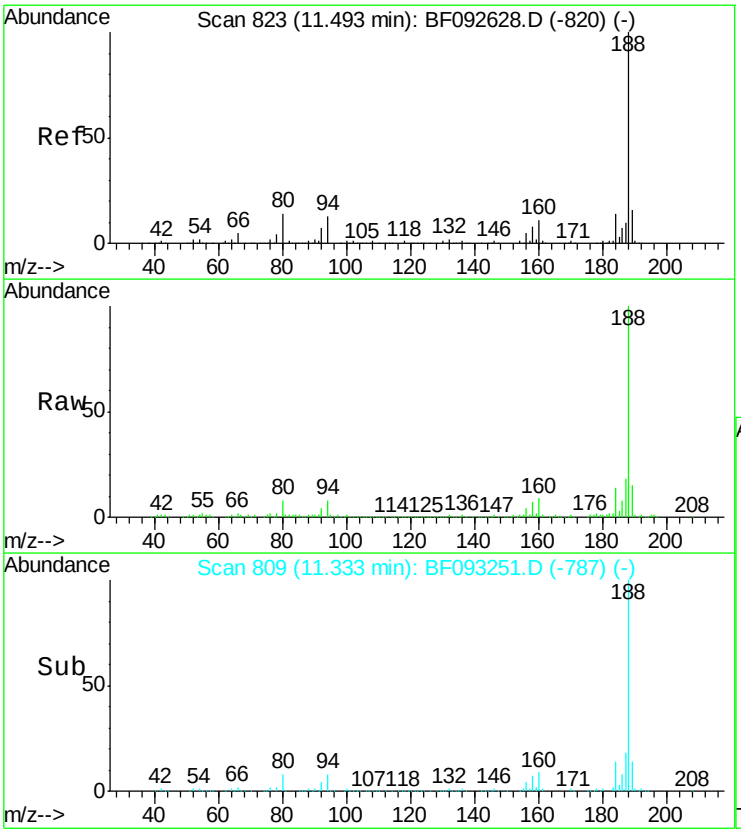
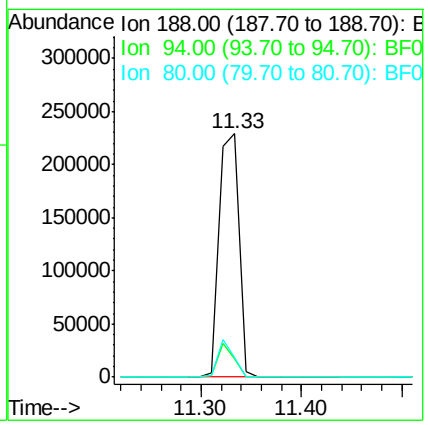
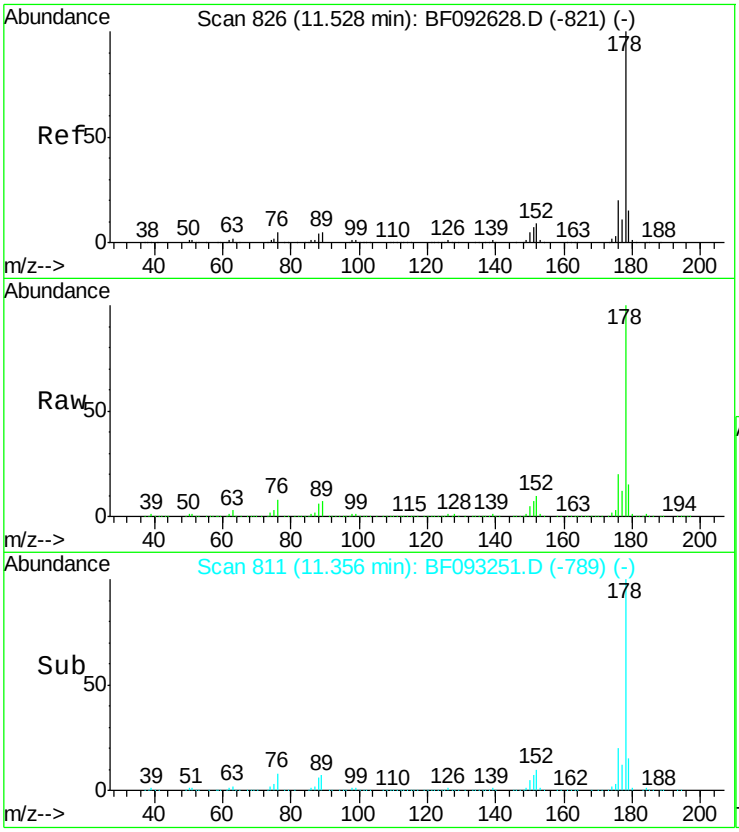


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:188 Resp: 315028

Ion	Ratio	Lower	Upper
188	100		
94	7.5	10.0	15.0#
80	8.3	11.2	16.8#

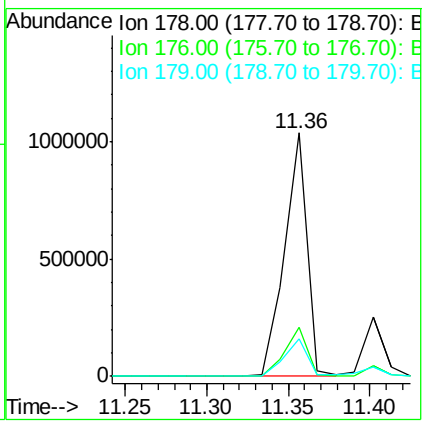




#70
Phenanthrene
Concen: 55.14 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:178 Resp: 995177

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.6	25.0
179	15.3	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
TK3-3-20170227

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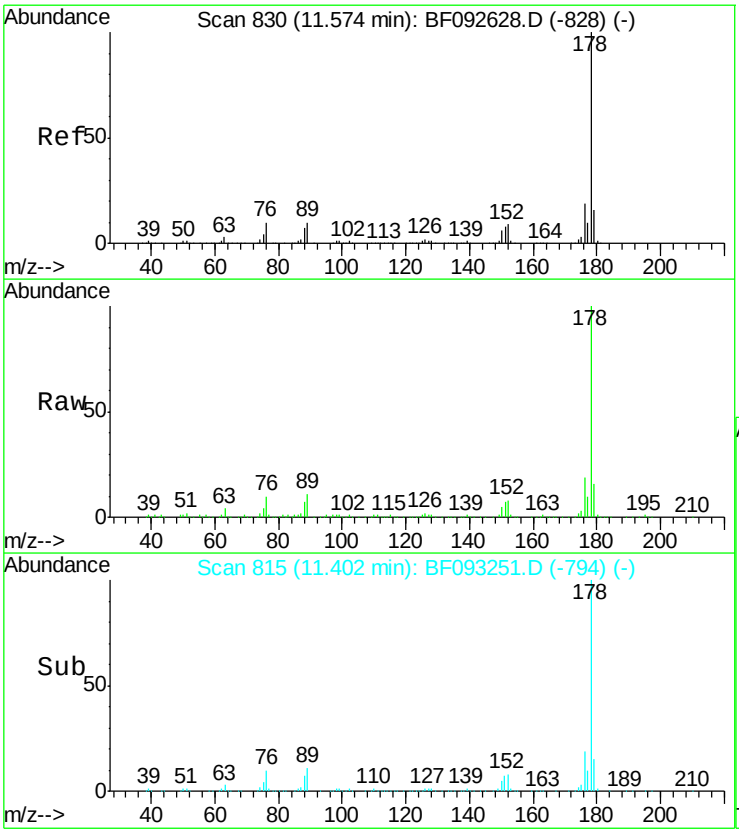
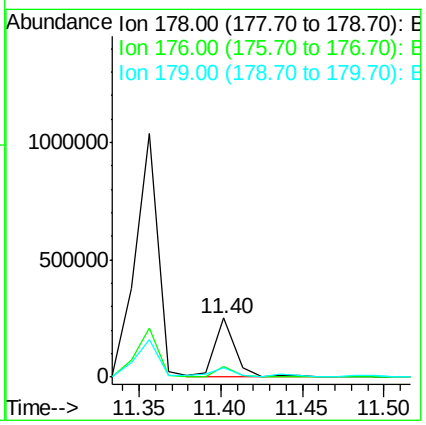
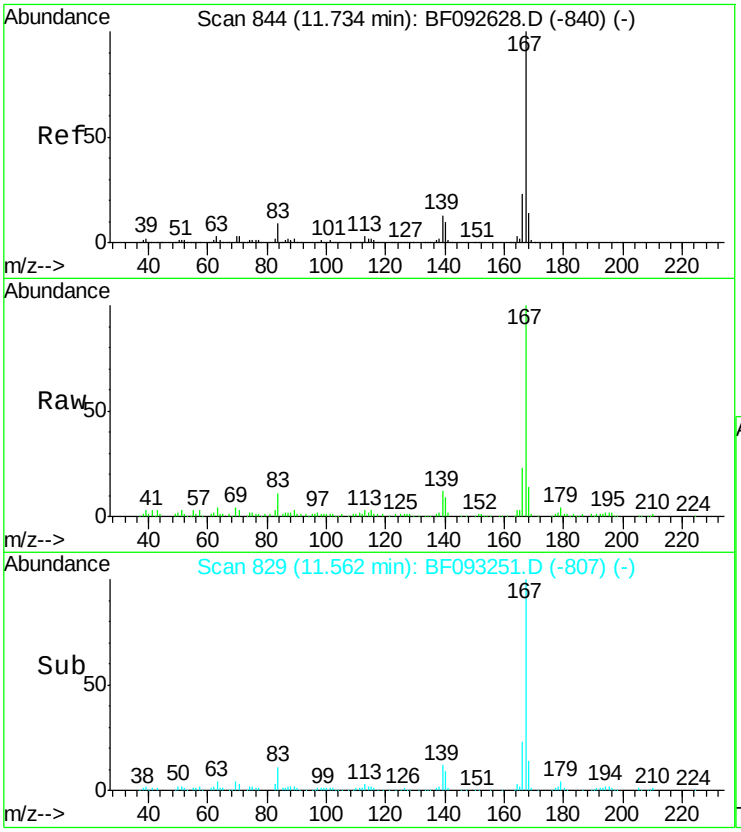


#71
Anthracene
Concen: 11.77 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:178 Resp: 213322

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.7	13.2	19.8

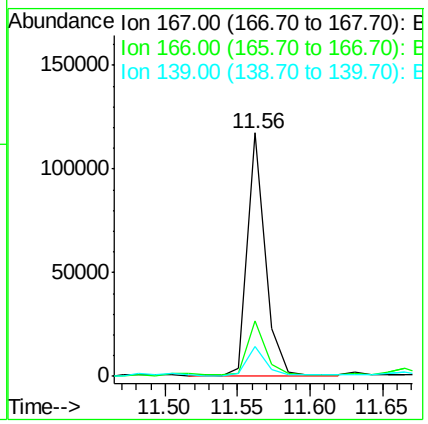




#72
Carbazole
Concen: 5.79 ng
RT: 11.56 min Scan# 829
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:167 Resp: 100359

Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.2	27.2
139	12.3	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
TK3-3-20170227

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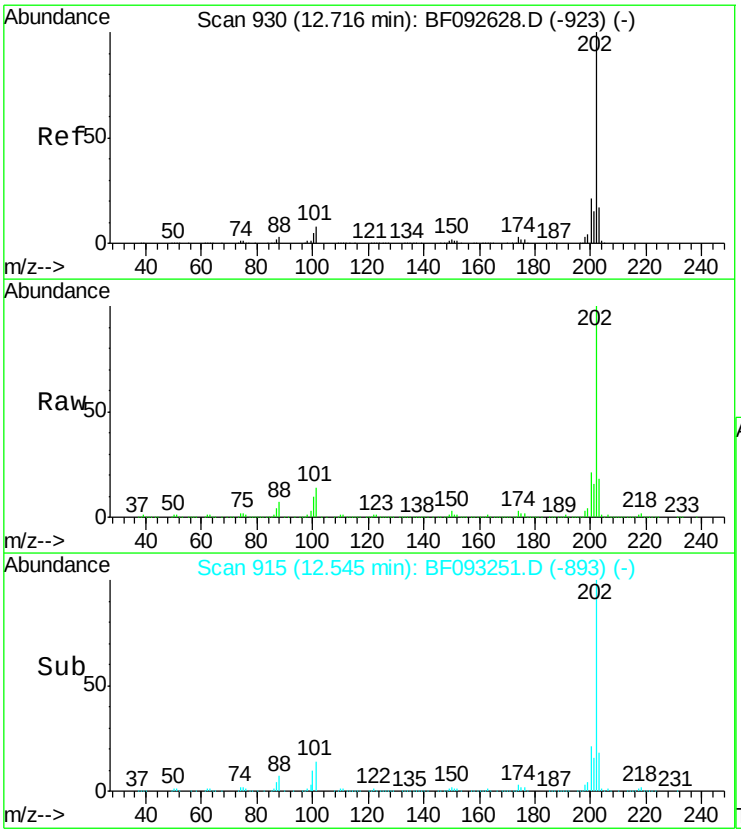
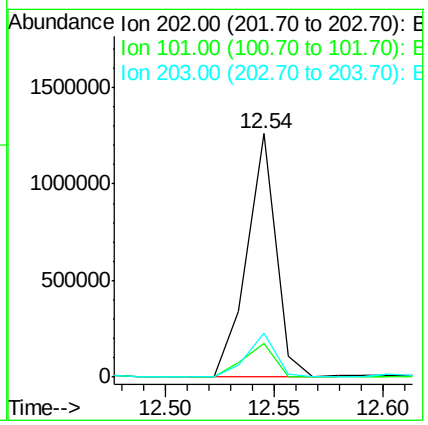
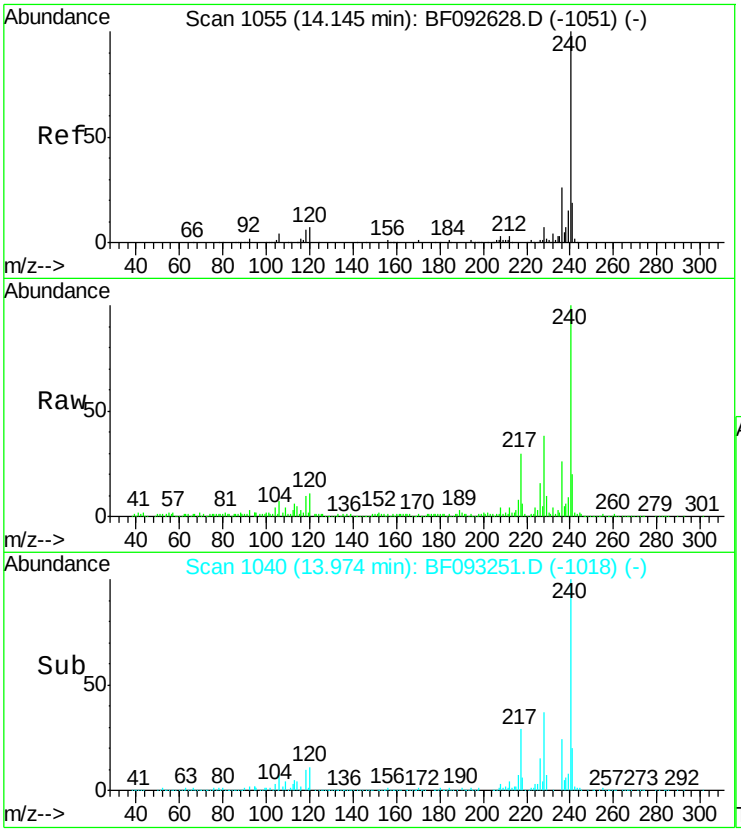


#74
Fluoranthene
Concen: 63.02 ng
RT: 12.54 min Scan# 915
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:202 Resp: 1173156

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.6
203	18.0	0.0	38.7

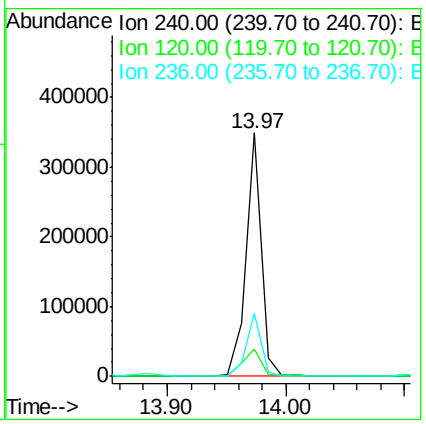




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:240 Resp: 312631

Ion	Ratio	Lower	Upper
240	100		
120	11.4	12.9	19.3#
236	26.1	20.9	31.3



Instrument :
BNA_F
ClientSampleId :
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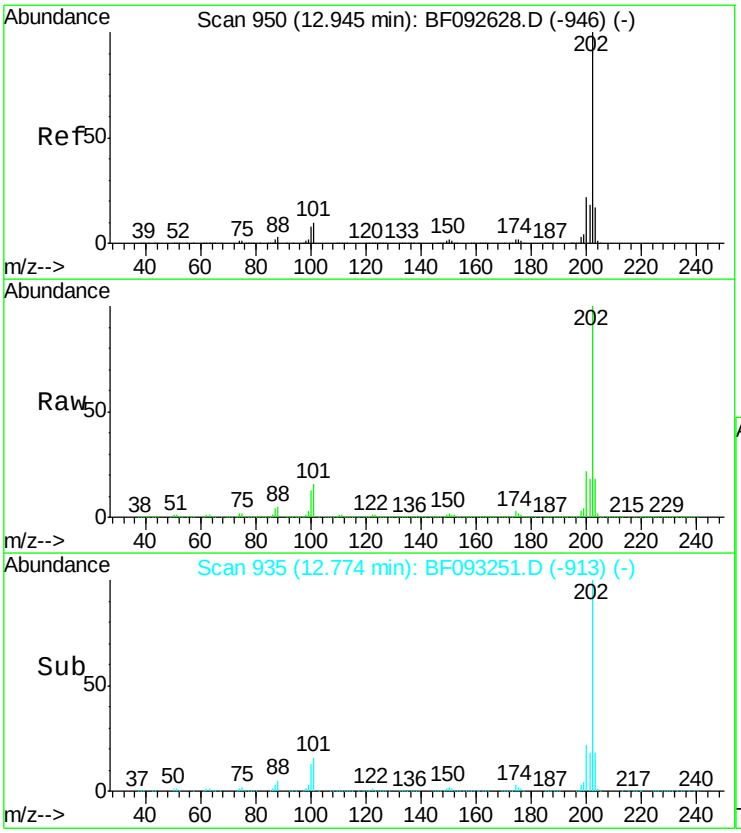
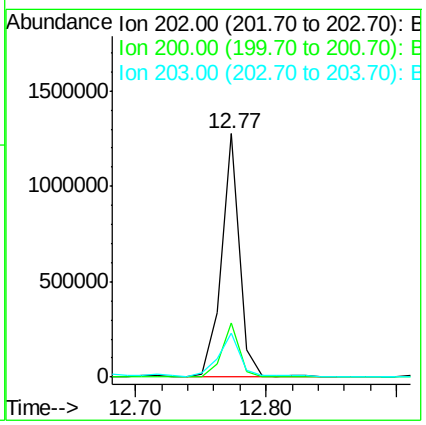
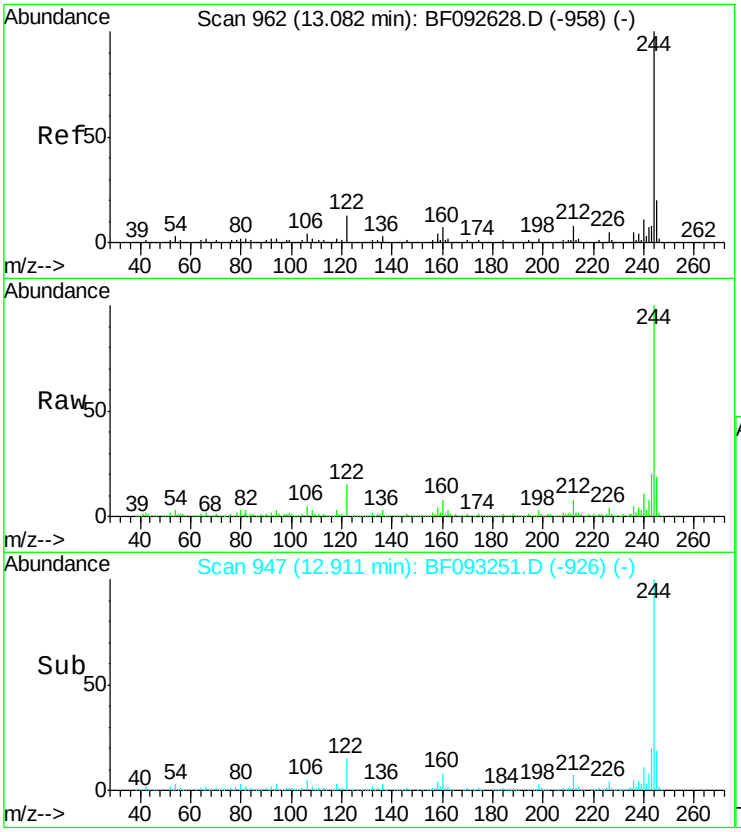


#77
Pyrene
Concen: 52.40 ng
RT: 12.77 min Scan# 935
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:202 Resp: 1226046

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.7	26.5
203	17.8	14.7	22.1

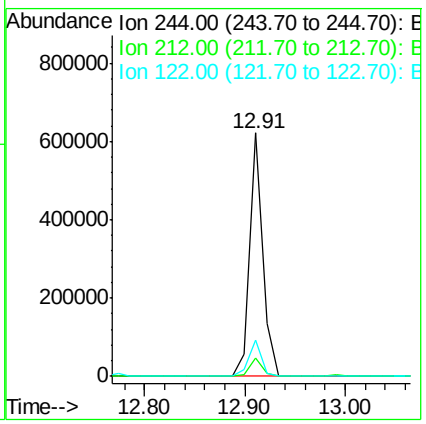




#78
Terphenyl-d14
Concen: 42.29 ng
RT: 12.91 min Scan# 947
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:244 Resp: 562662

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	14.7	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
TK3-3-20170227

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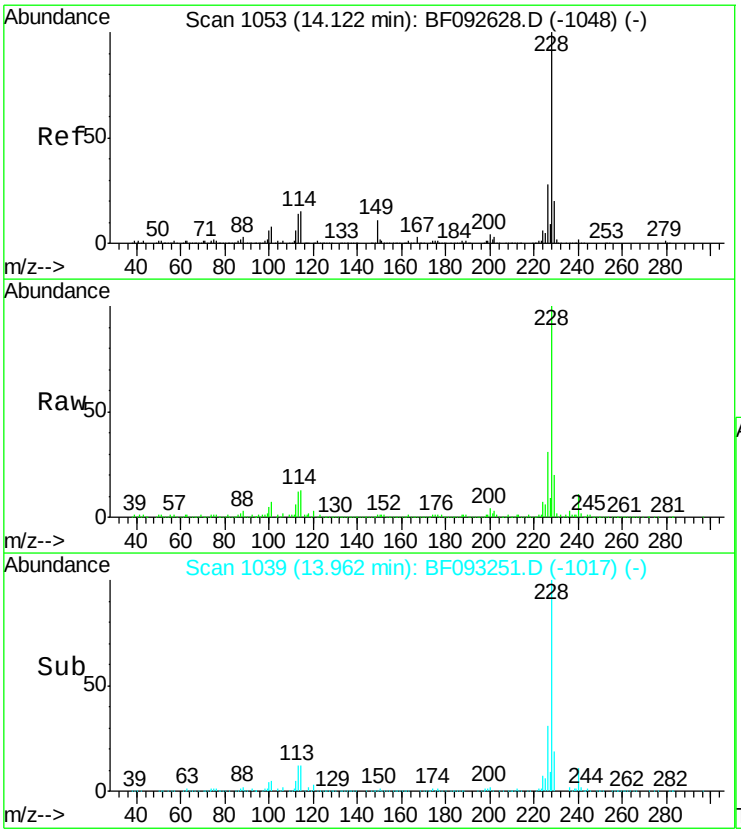
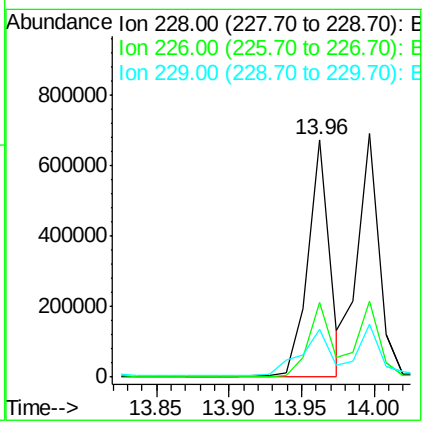
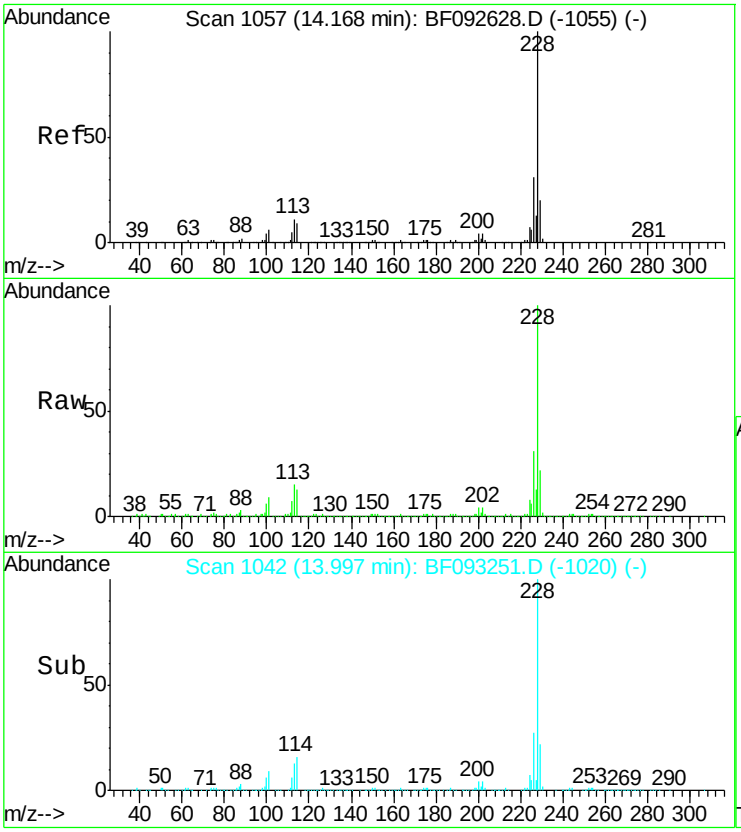


#80
Benzo(a)anthracene
Concen: 36.30 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:228 Resp: 694174

Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.4	33.6
229	20.1	16.2	24.4

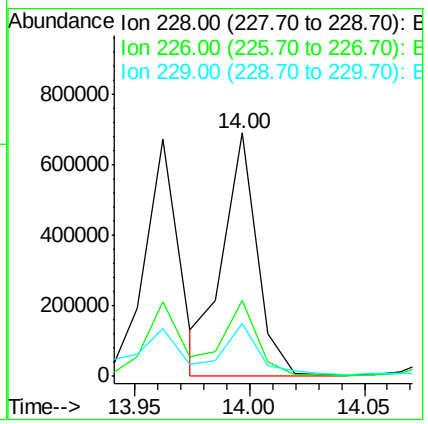




#82
Chrysene
Concen: 40.16 ng m
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:228 Resp: 718890

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.4	38.0
229	21.7	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
TK3-3-20170227

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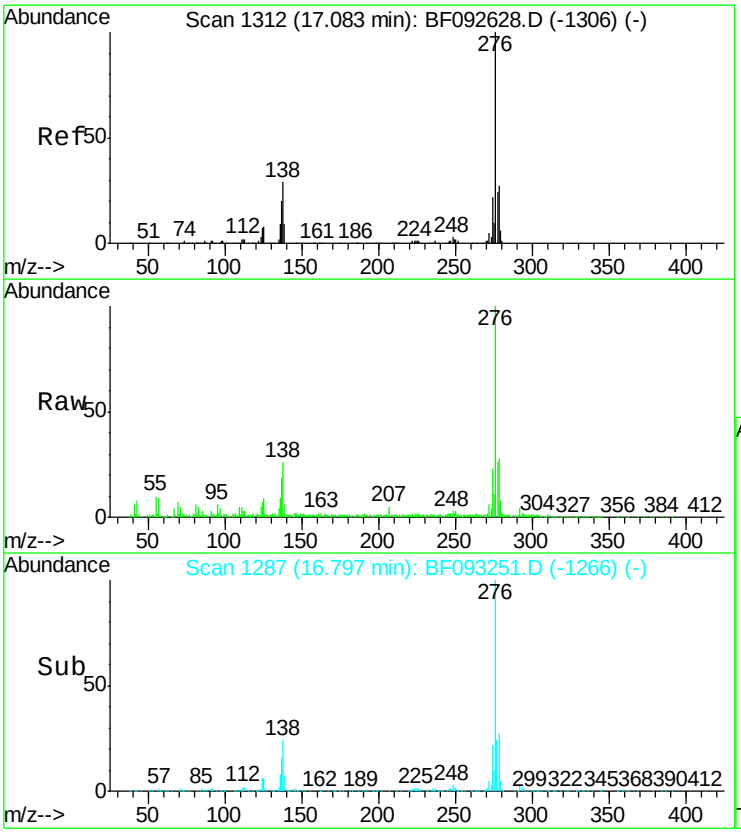
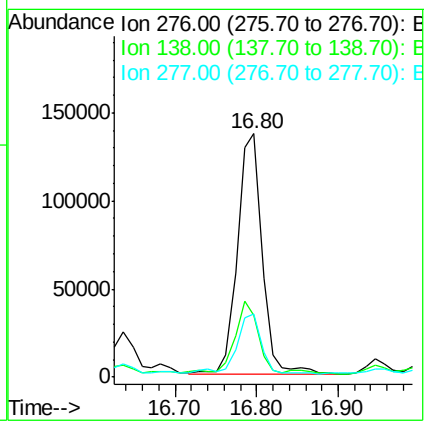
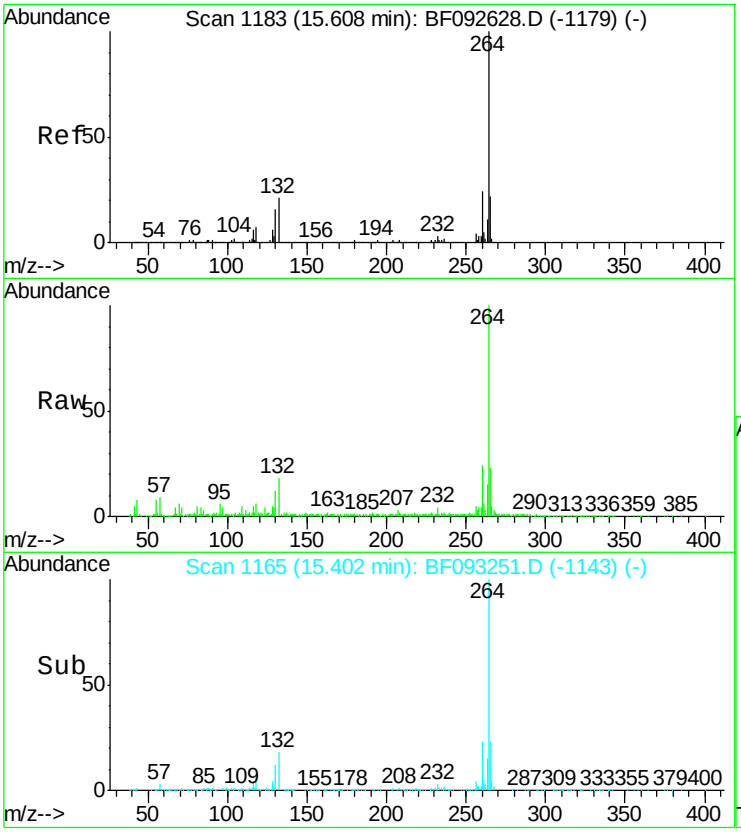


#85
Indeno(1,2,3-cd)pyrene
Concen: 20.58 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.06 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:276 Resp: 285376

Ion	Ratio	Lower	Upper
276	100		
138	27.9	21.8	32.6
277	24.8	20.2	30.4

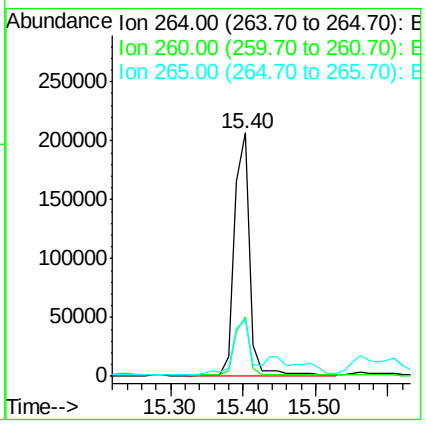




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:264 Resp: 297898

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	23.5	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
TK3-3-20170227

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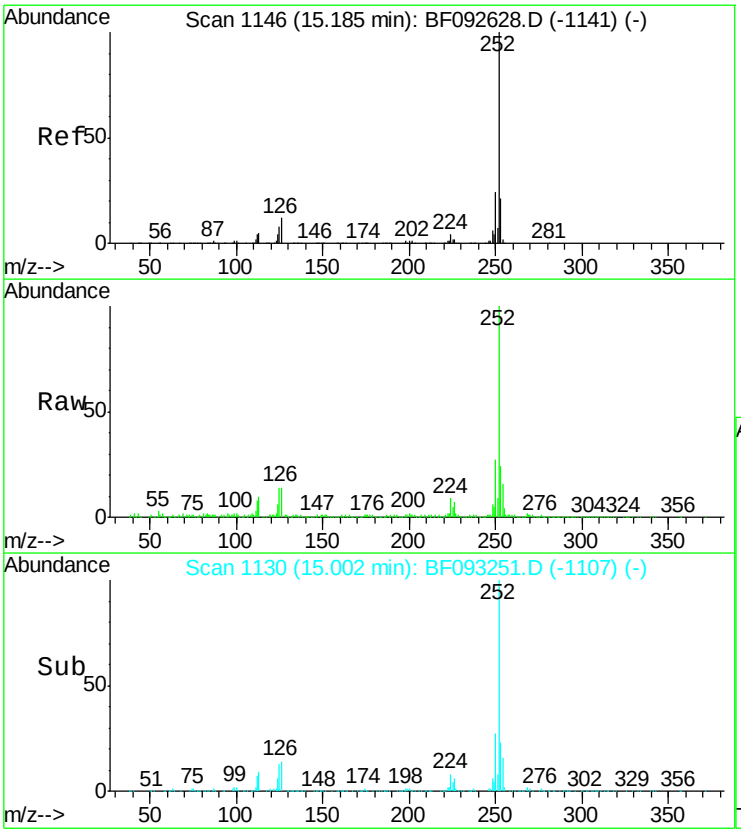
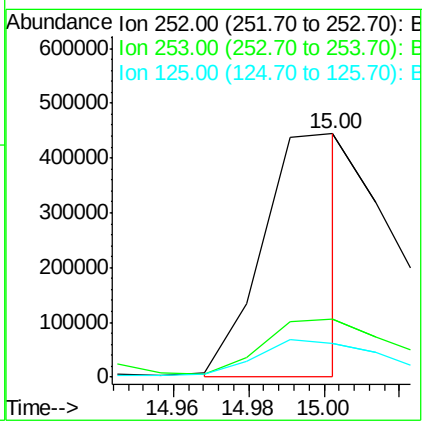
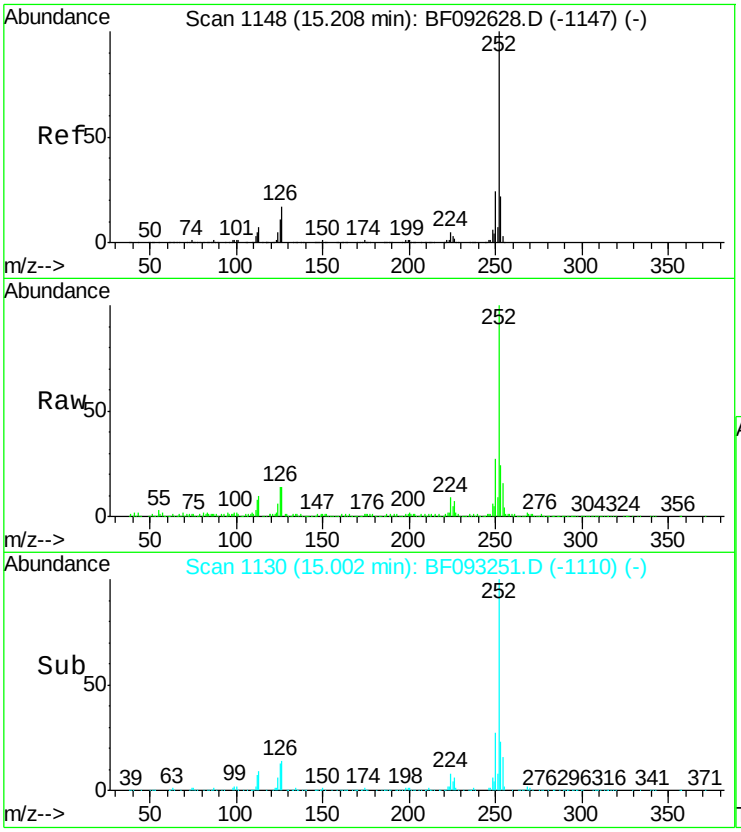


#87
Benzo(b)fluoranthene
Concen: 35.56 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:252 Resp: 697196

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	13.8	9.8	14.6

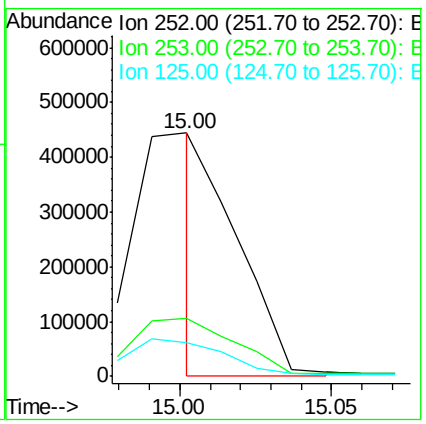




#88
Benzo(k)fluoranthene
Concen: 20.66 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.07 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:252 Resp: 349705

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.5	27.7
125	13.8	8.9	13.3#



Instrument :
BNA_F
ClientSampleId :
TK3-3-20170227

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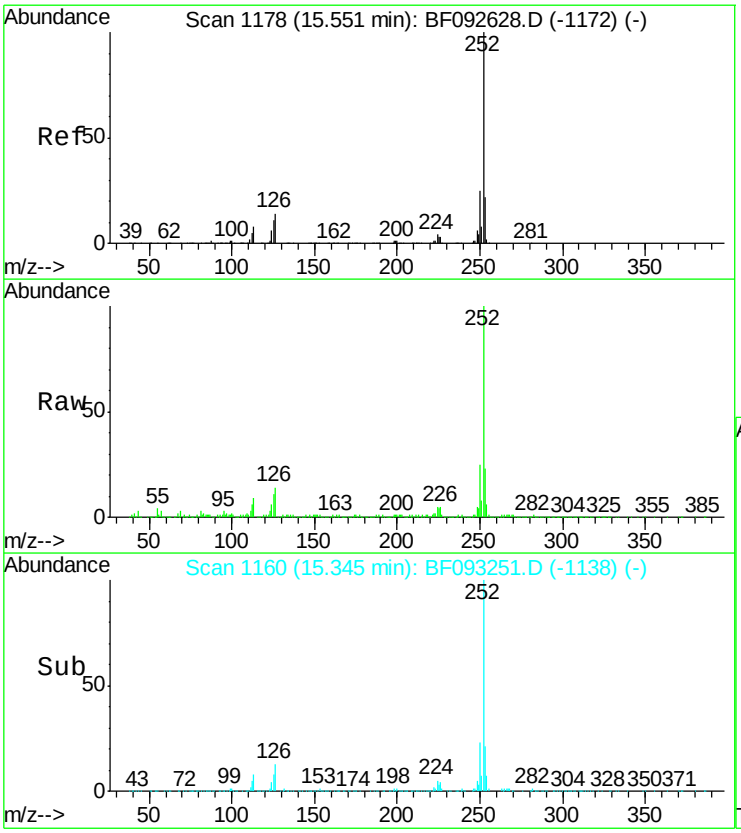
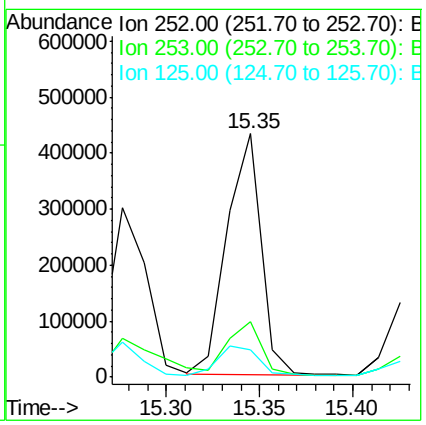
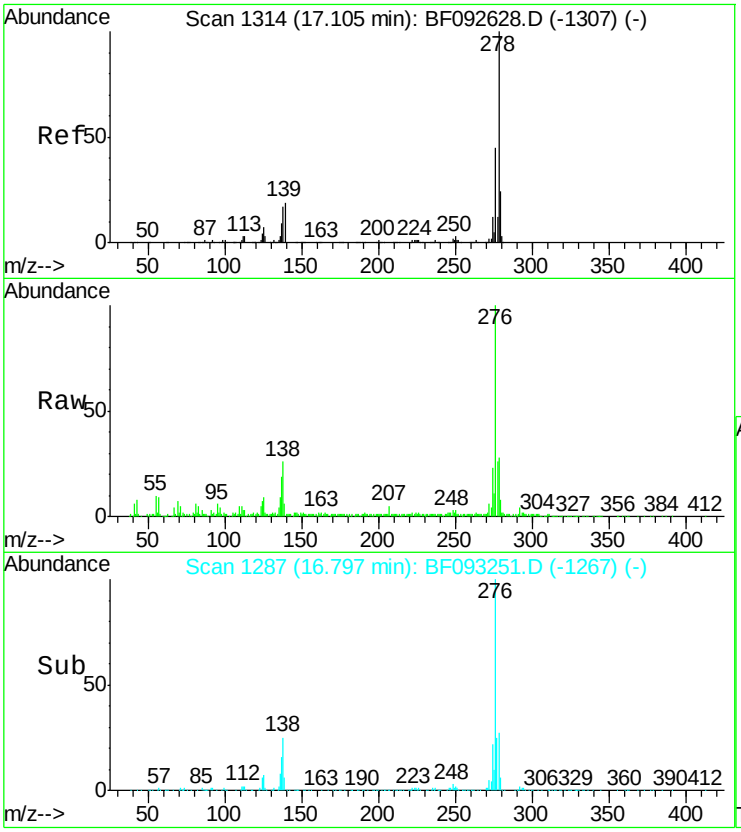


#89
Benzo(a)pyrene
Concen: 32.72 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:252 Resp: 554889

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	11.0	10.0	15.0

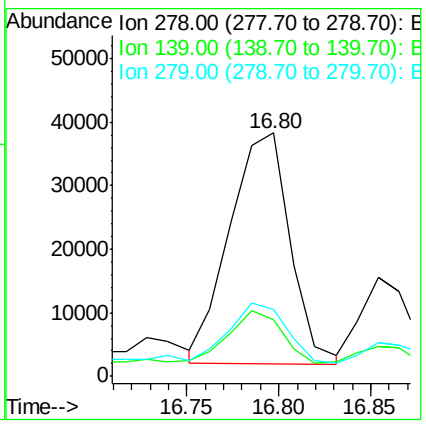




#90
Dibenzo(a,h)anthracene
Concen: 6.03 ng m
RT: 16.80 min Scan# 1287
Delta R.T. -0.07 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:278 Resp: 82660

Ion	Ratio	Lower	Upper
278	100		
139	23.1	14.8	22.2#
279	27.6	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
TK3-3-20170227

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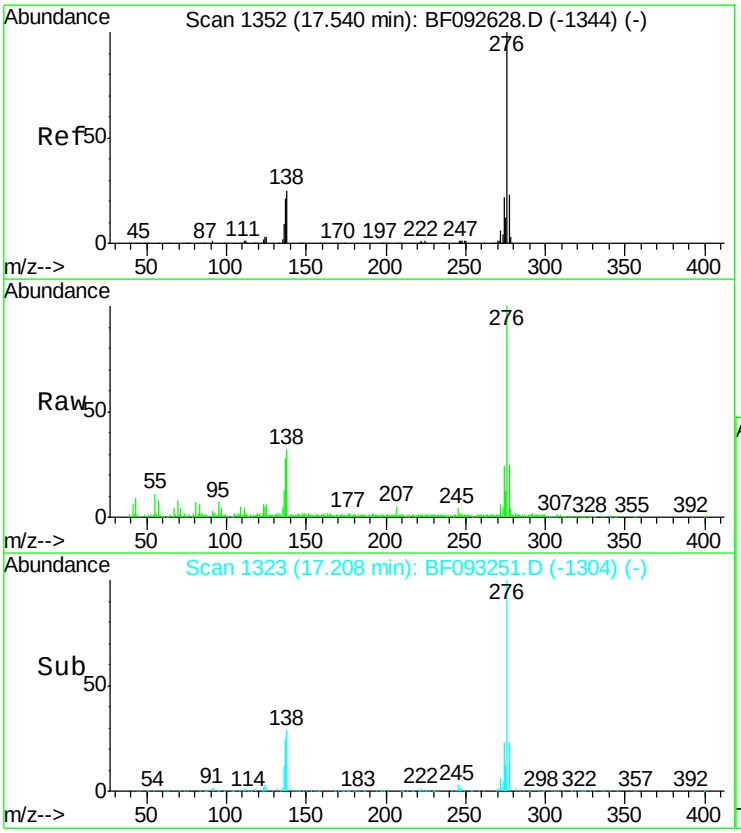

#91
Benzo(g,h,i)perylene
Concen: 19.56 ng
RT: 17.21 min Scan# 1323
Delta R.T. -0.08 min
Lab File: BF093251.D
Acq: 28 Feb 2017 16:27

Tgt Ion:276 Resp: 270888

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	31.9	16.0	24.0#