Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093262.D
Acq On : 28 Feb 2017 21:35
Operator : SJ/MA
Sample : I2017-15
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-DUP-20170227

Manual Integrations APPROVED
mohammad
3/1/2017 4:06:40 PM

Quant Time: Mar 01 02:59:56 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	142394	20.00	ng		-0.05
21) Naphthalene-d8	8.10	136	536397	20.00	ng		-0.05
38) Acenaphthene-d10	9.85	164	231021	20.00	ng		-0.05
63) Phenanthrene-d10	11.33	188	356117	20.00	ng		-0.05
75) Chrysene-d12	13.99	240	279921	20.00	ng		-0.03
86) Perylene-d12	15.40	264	212558	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	800411	96.44	ng		-0.03
7) Phenol-d6	6.46	99	928382	86.93	ng		-0.02
23) Nitrobenzene-d5	7.38	82	588655	61.11	ng		-0.05
41) 2,4,6-Tribromophenol	10.65	330	152887	91.50	ng		-0.03
44) 2-Fluorobiphenyl	9.17	172	935867	73.39	ng		-0.05
78) Terphenyl-d14	12.92	244	636252	53.41	ng		-0.05
Target Compounds							Qvalue
10) Phenol	6.48	94	83779	6.71	ng		78
31) Naphthalene	8.12	128	95821	3.52	ng		99
48) Acenaphthylene	9.71	152	205464	9.09	ng		98
49) Dimethylphthalate	9.57	163	68713	4.42	ng		99
51) Acenaphthene	9.88	154	55119	4.08	ng		97
54) Dibenzofuran	10.05	168	70689	3.91	ng		91
57) Fluorene	10.40	166	82100m	5.90	ng		
70) Phenanthrene	11.37	178	1424590	69.82	ng		98
71) Anthracene	11.41	178	284426	13.88	ng		98
72) Carbazole	11.57	167	121463	6.20	ng		98
74) Fluoranthene	12.56	202	1496077	71.09	ng		98
77) Pyrene	12.78	202	1529098	72.99	ng		99
80) Benzo(a)anthracene	13.97	228	809845	47.30	ng		96
82) Chrysene	14.01	228	775648m	48.39	ng		
85) Indeno(1,2,3-cd)pyrene	16.81	276	245759	19.79	ng		98
87) Benzo(b)fluoranthene	15.00	252	632603m	45.22	ng		
88) Benzo(k)fluoranthene	15.01	252	260818m	21.59	ng		
89) Benzo(a)pyrene	15.36	252	442874	36.60	ng		98
90) Dibenzo(a,h)anthracene	16.81	278	83581m	8.55	ng		
91) Benzo(g,h,i)perylene	17.23	276	250896	25.39	ng	#	91

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

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BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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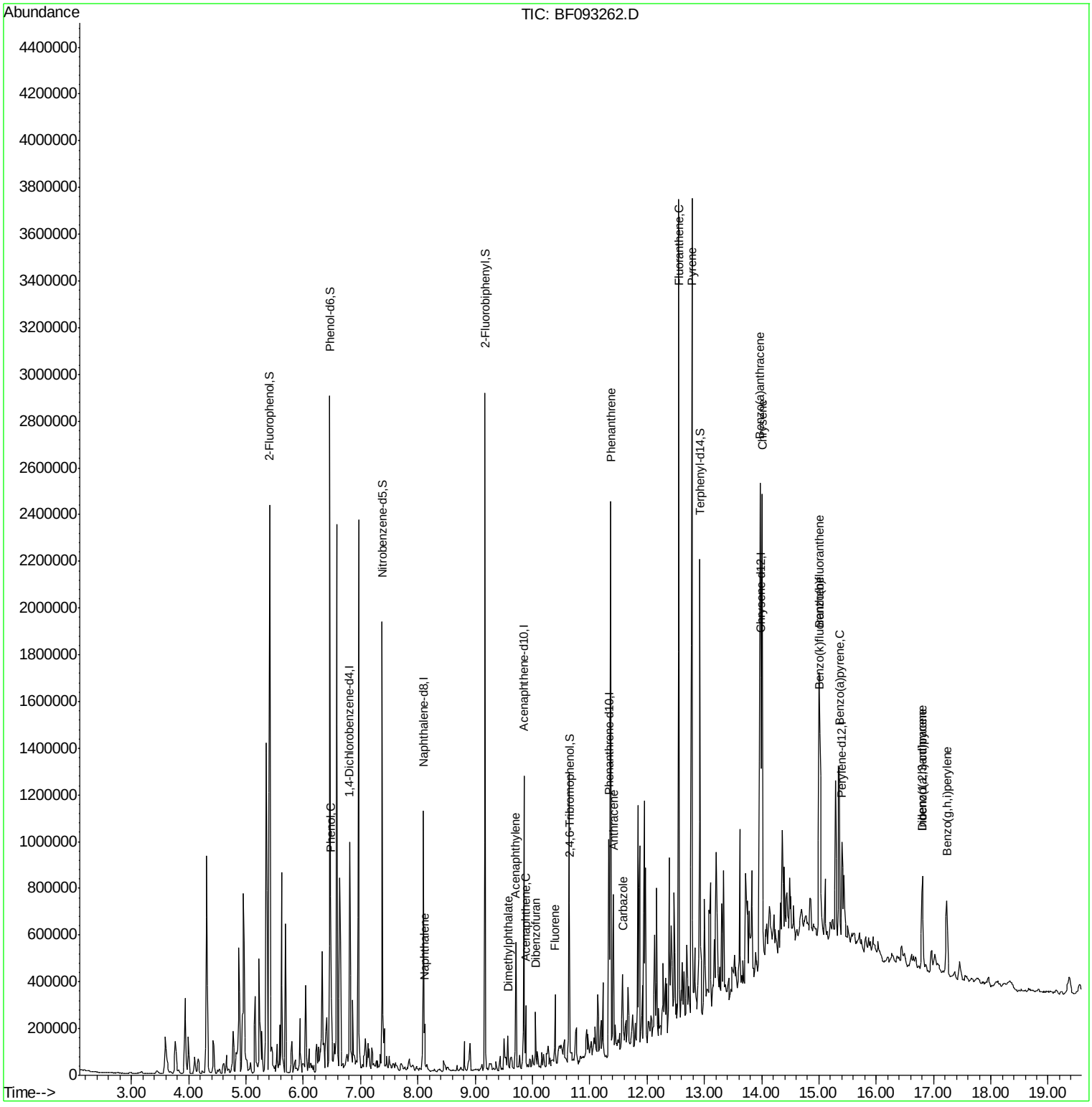
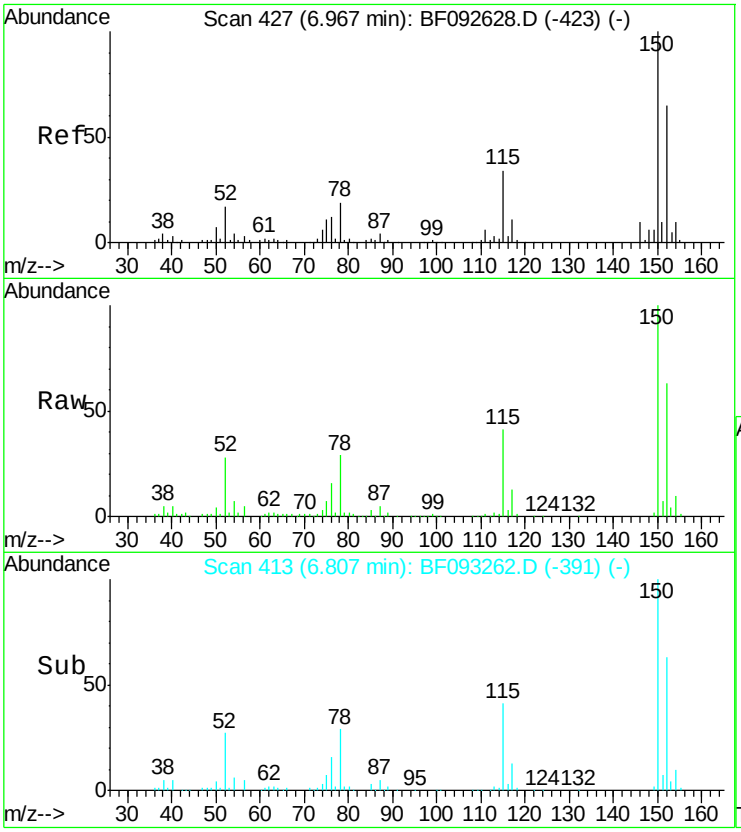
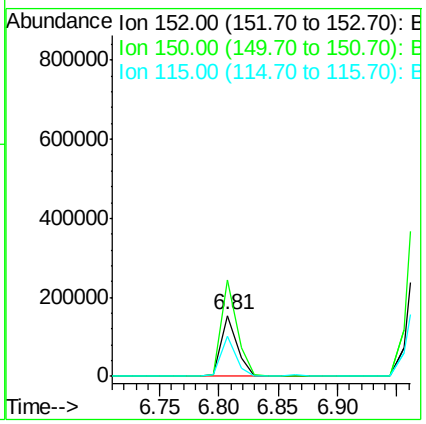




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:152 Resp: 142394

Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.9	187.3
115	64.7	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
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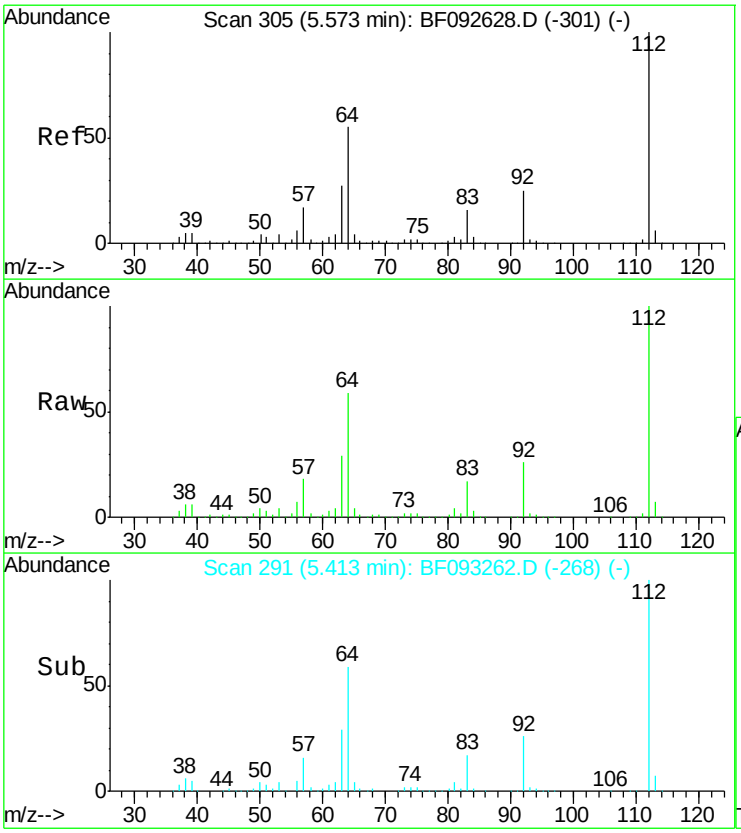
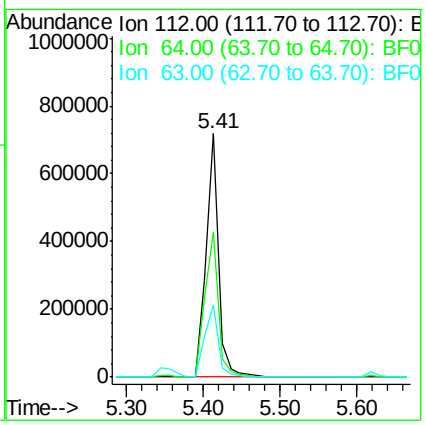
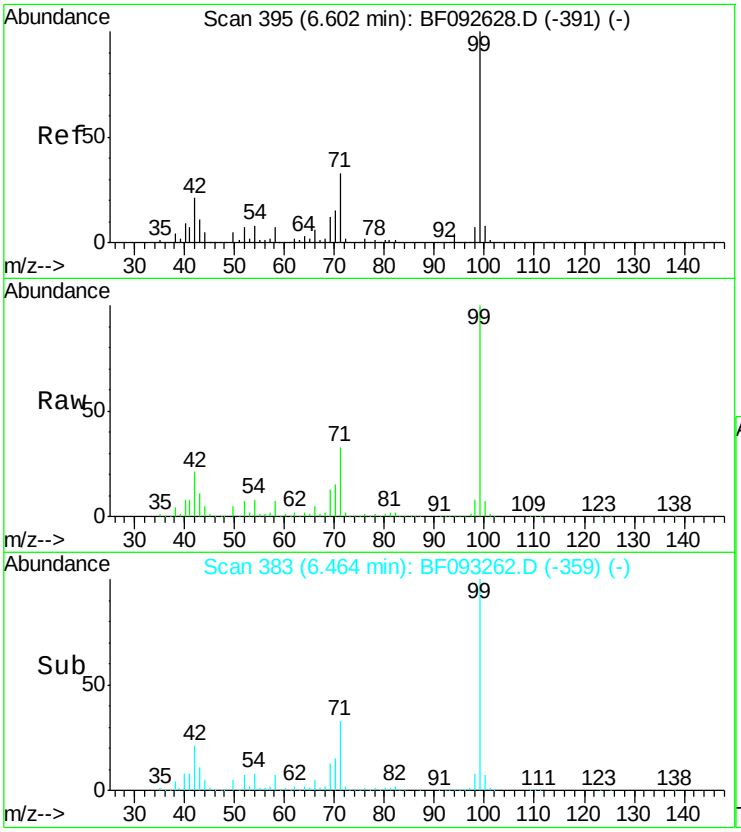


#5
2-Fluorophenol
Concen: 96.44 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:112 Resp: 800411

Ion	Ratio	Lower	Upper
112	100		
64	59.3	46.1	69.1
63	29.4	23.8	35.6

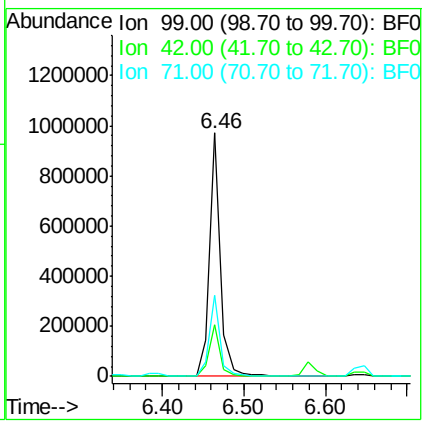




#7
Phenol-d6
Concen: 86.93 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.02 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion: 99 Resp: 928382

Ion	Ratio	Lower	Upper
99	100		
42	21.1	15.6	23.4
71	33.1	27.5	41.3



Instrument :
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ClientSampleId :
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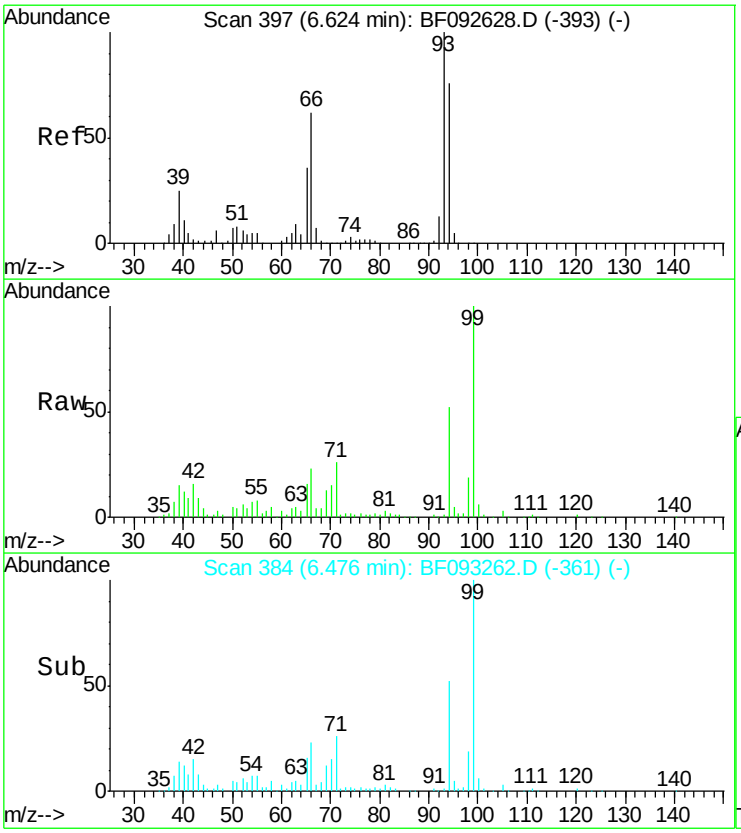
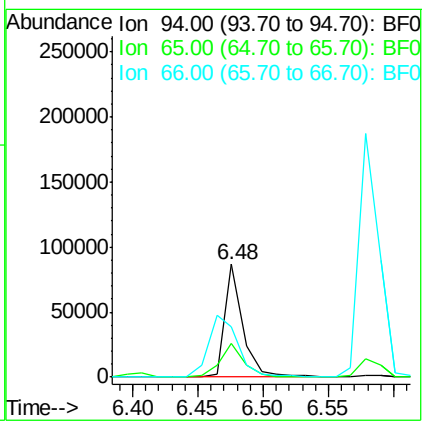
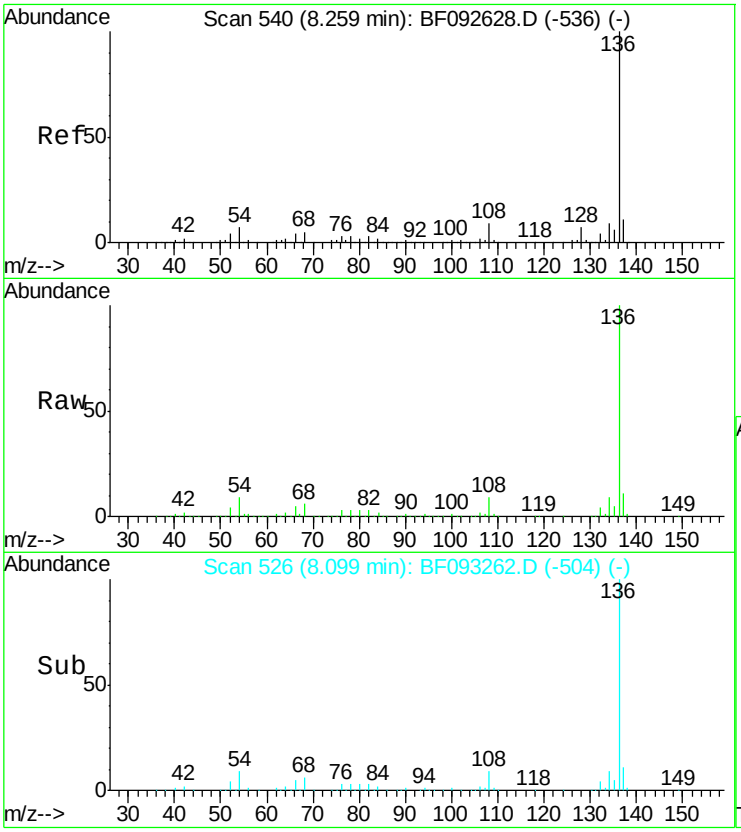


#10
Phenol
Concen: 6.71 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.03 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion: 94 Resp: 83779

Ion	Ratio	Lower	Upper
94	100		
65	30.2	21.4	61.4
66	44.3	44.0	84.0

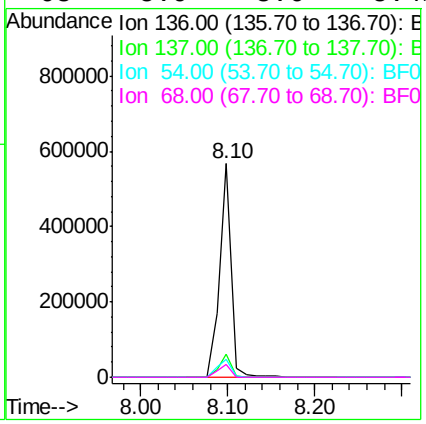




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:136 Resp: 536397

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	8.6	4.5	6.7#
68	5.9	3.6	5.4#



Instrument :
BNA_F
ClientSampleId :
TK3-DUP-20170227

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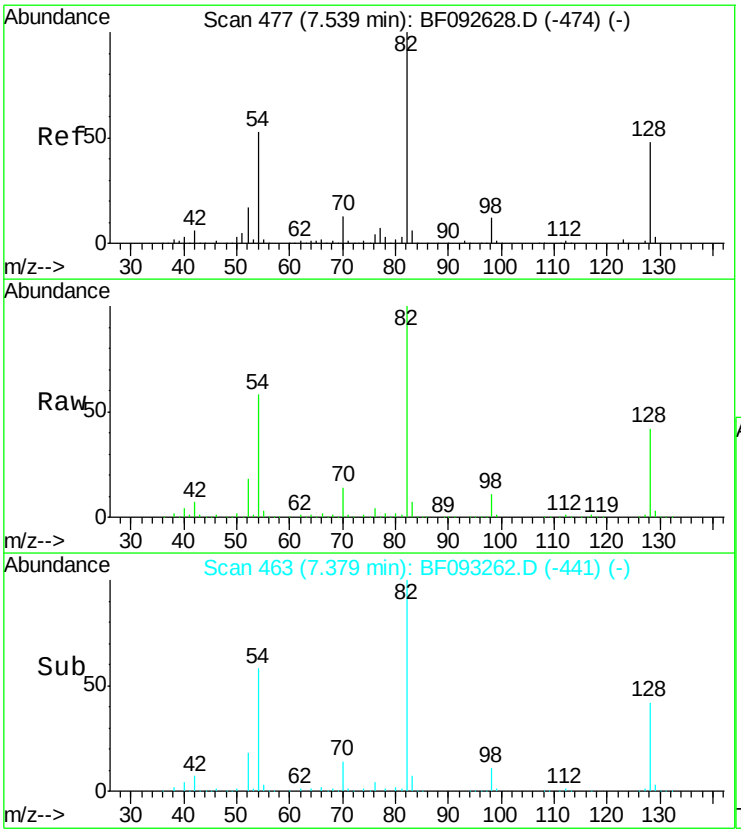
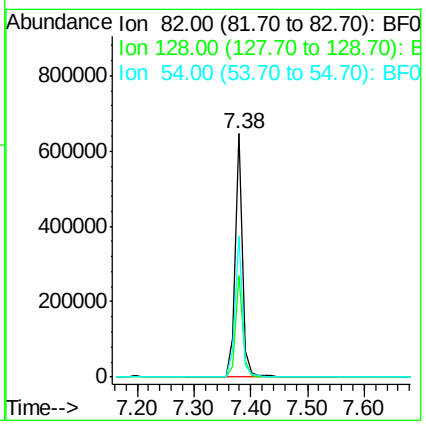
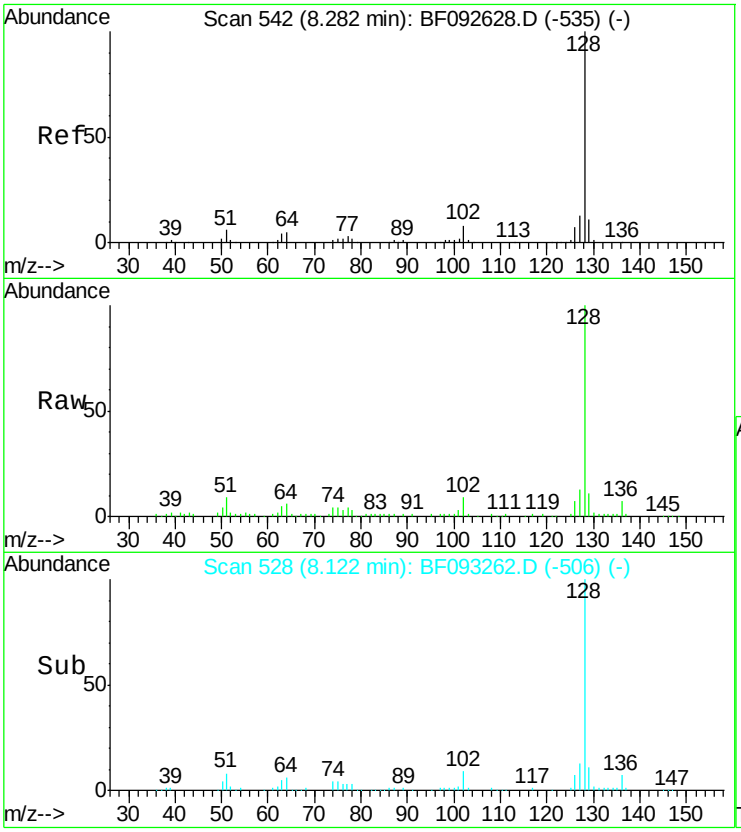


#23
Nitrobenzene-d5
Concen: 61.11 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion: 82 Resp: 588655

Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.6	52.0
54	58.2	39.5	59.3

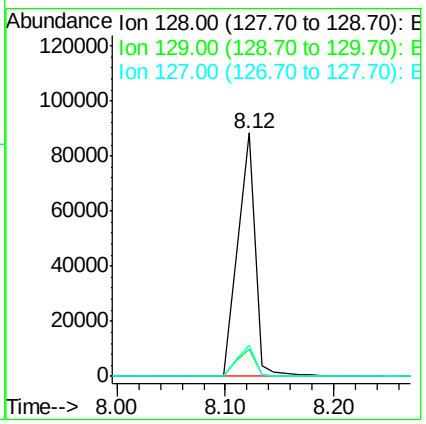




#31
Naphthalene
Concen: 3.52 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:128 Resp: 95821

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.5	14.3
127	13.0	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
TK3-DUP-20170227

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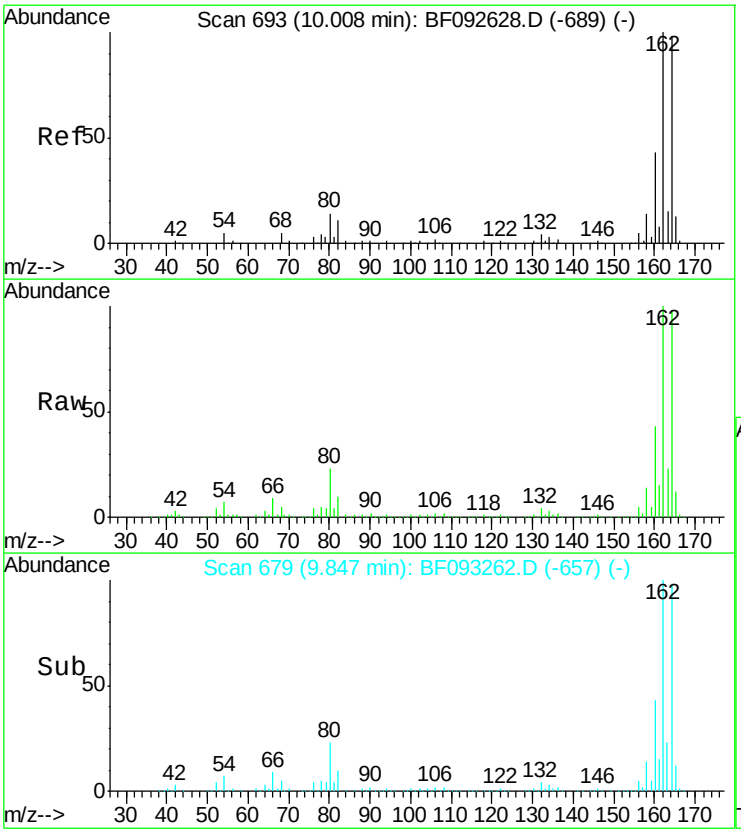
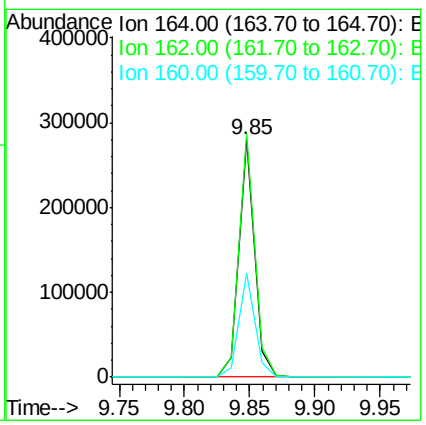
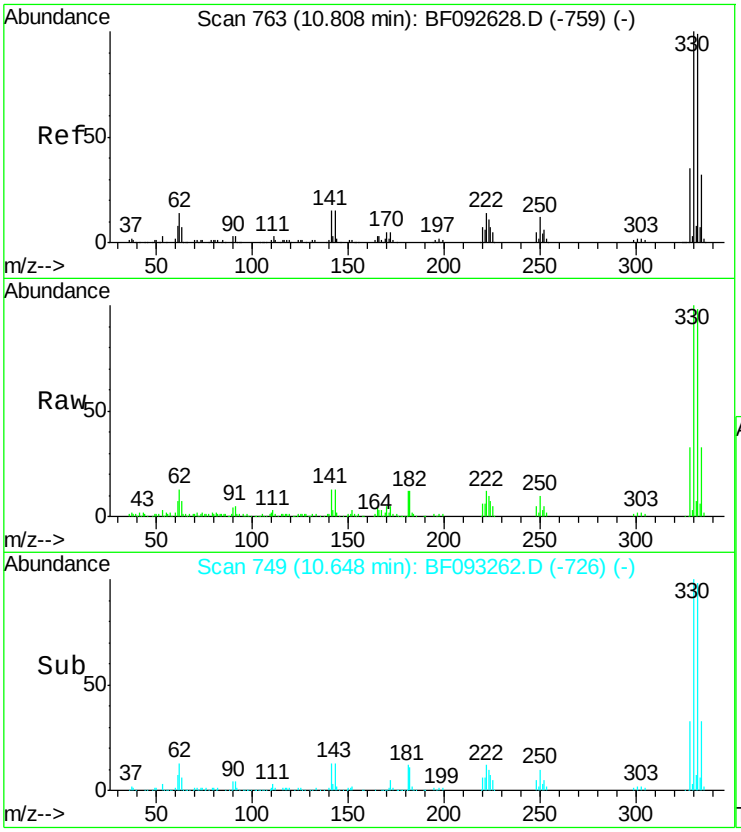


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:164 Resp: 231021

Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.2	120.2
160	44.1	36.9	55.3

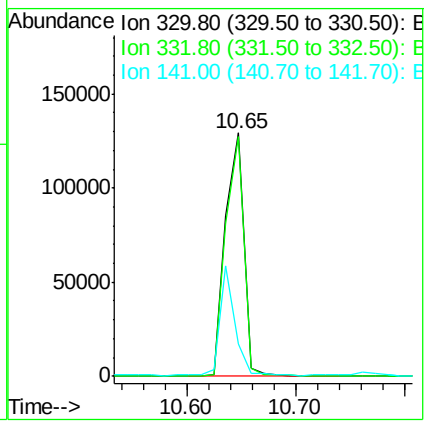




#41
2,4,6-Tribromophenol
Concen: 91.50 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.03 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:330 Resp: 152887

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.2
141	36.7	34.1	51.1



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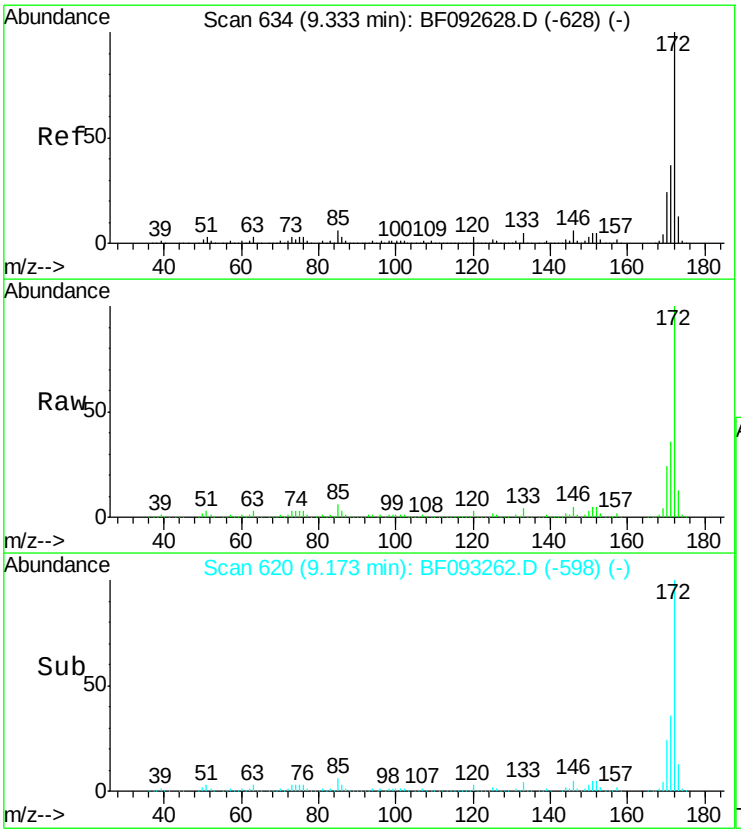
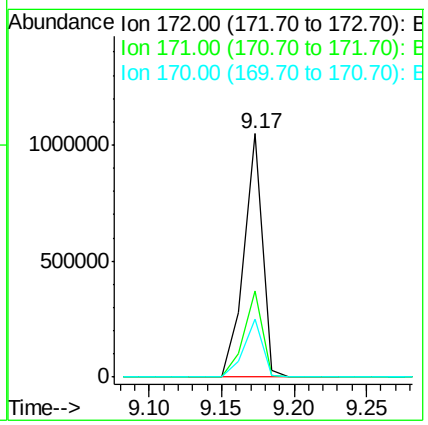
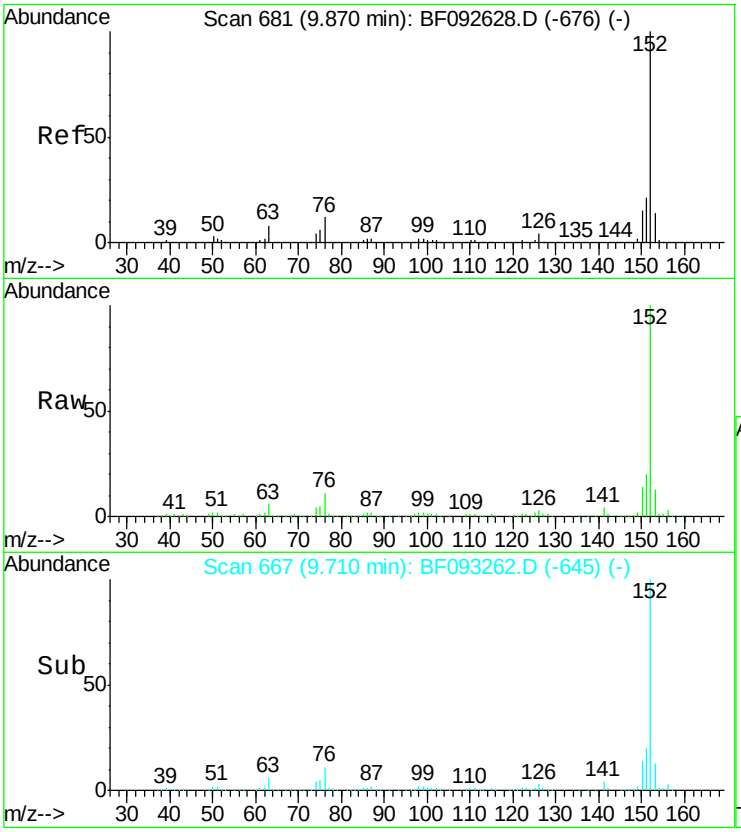


#44
2-Fluorobiphenyl
Concen: 73.39 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:172 Resp: 935867

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.4	44.0
170	24.0	20.2	30.4

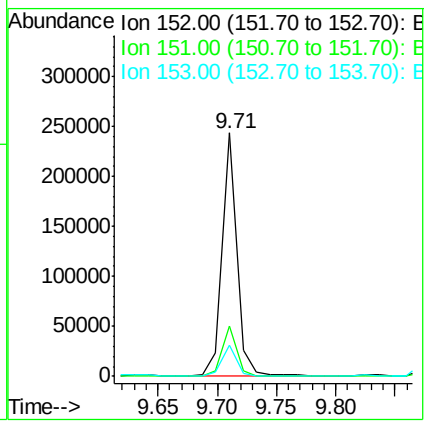




#48
Acenaphthylene
Concen: 9.09 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:152 Resp: 205464

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.9	25.3
153	13.0	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
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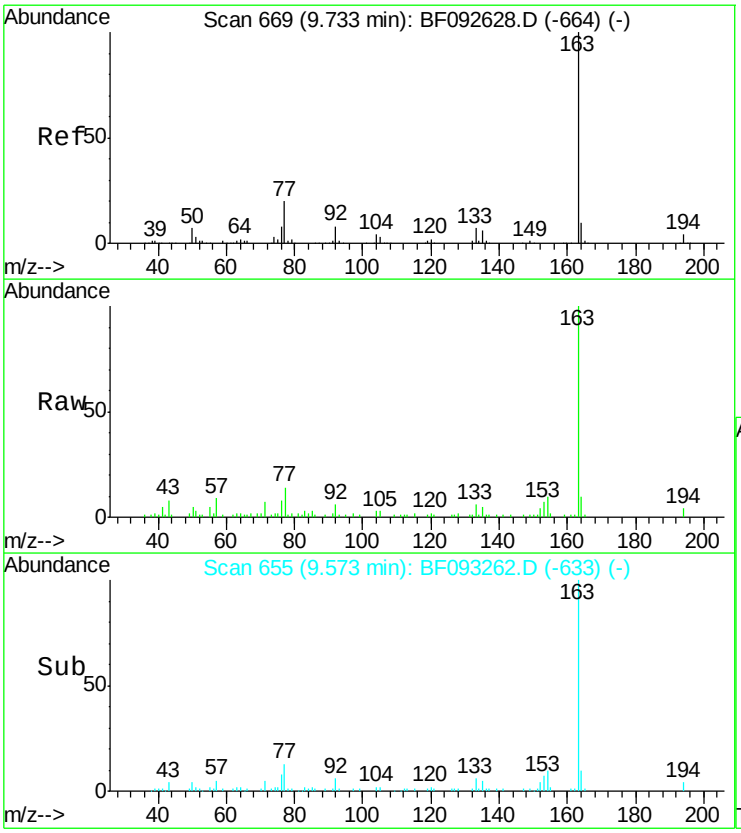
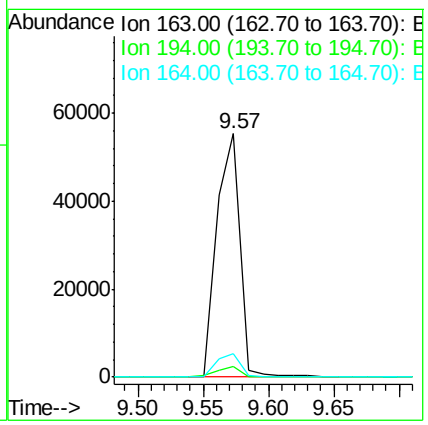
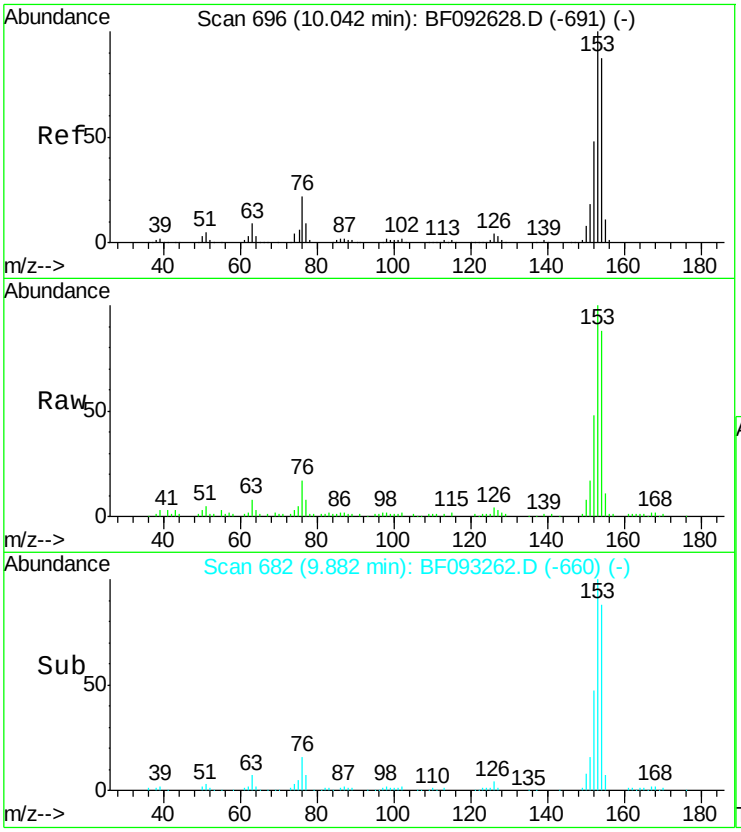


#49
Dimethylphthalate
Concen: 4.42 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:163 Resp: 68713

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.4
164	9.8	8.0	12.0

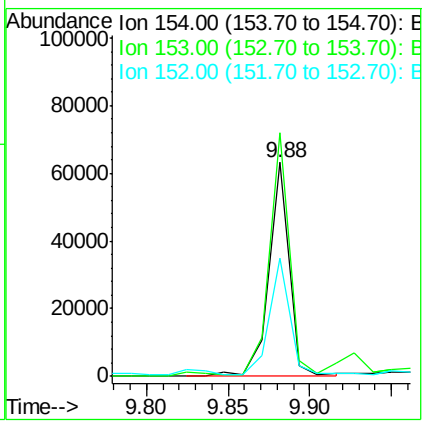




#51
Acenaphthene
Concen: 4.08 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:154 Resp: 55119

Ion	Ratio	Lower	Upper
154	100		
153	113.8	88.6	133.0
152	55.2	41.6	62.4



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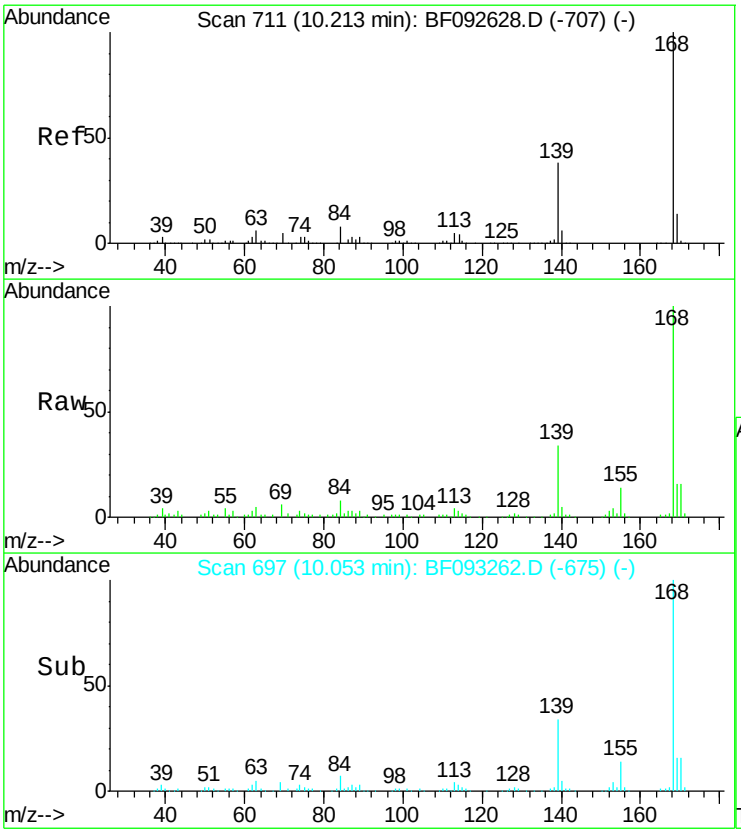
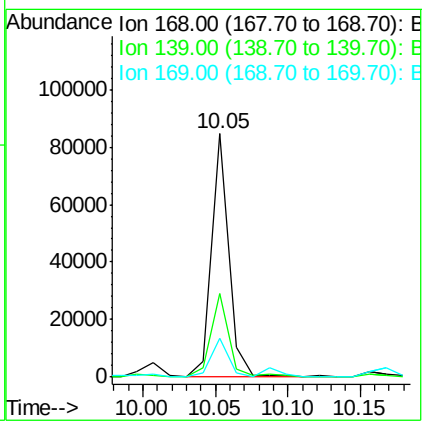
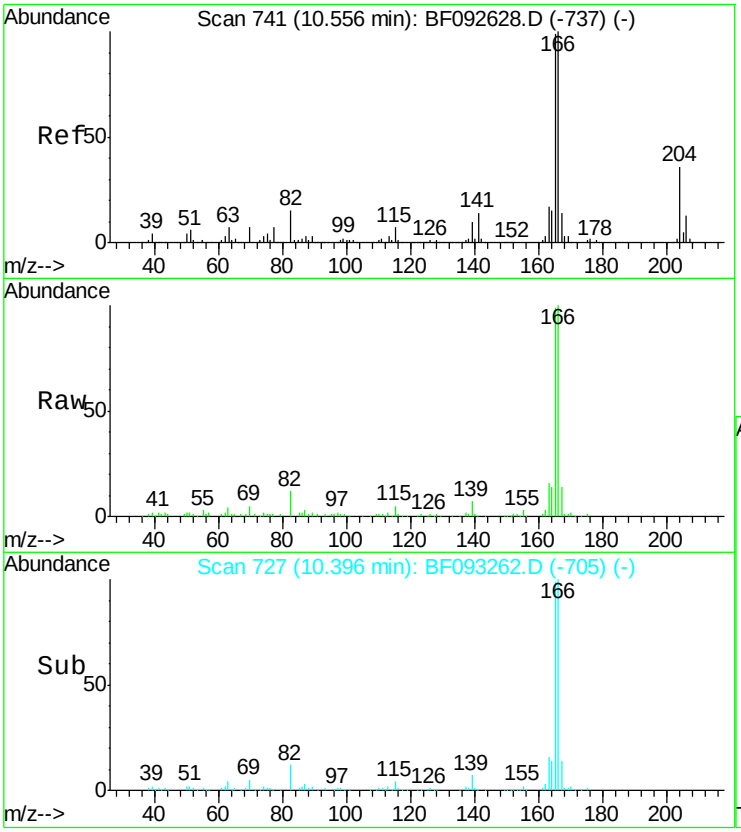


#54
Dibenzofuran
Concen: 3.91 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:168 Resp: 70689

Ion	Ratio	Lower	Upper
168	100		
139	34.4	32.6	49.0
169	16.1	11.3	16.9

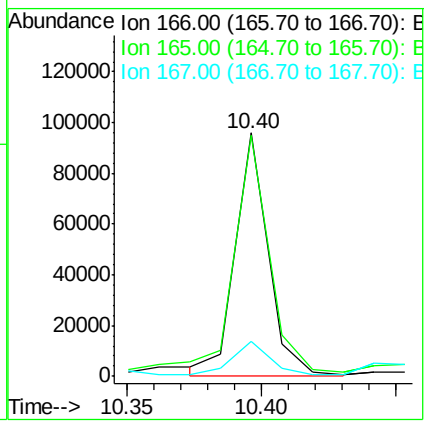




#57
Fluorene
Concen: 5.90 ng m
RT: 10.40 min Scan# 727
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:166 Resp: 82100

Ion	Ratio	Lower	Upper
166	100		
165	99.3	77.8	116.8
167	14.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
TK3-DUP-20170227

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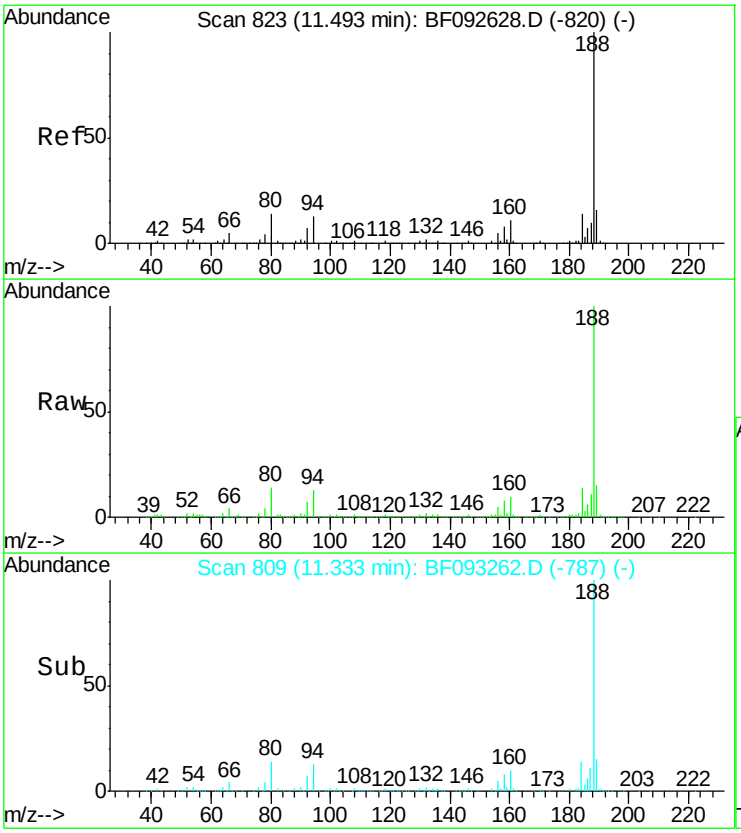
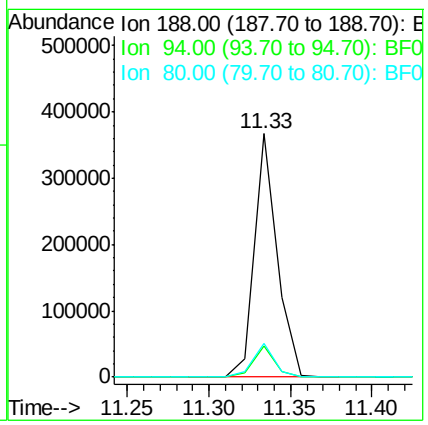
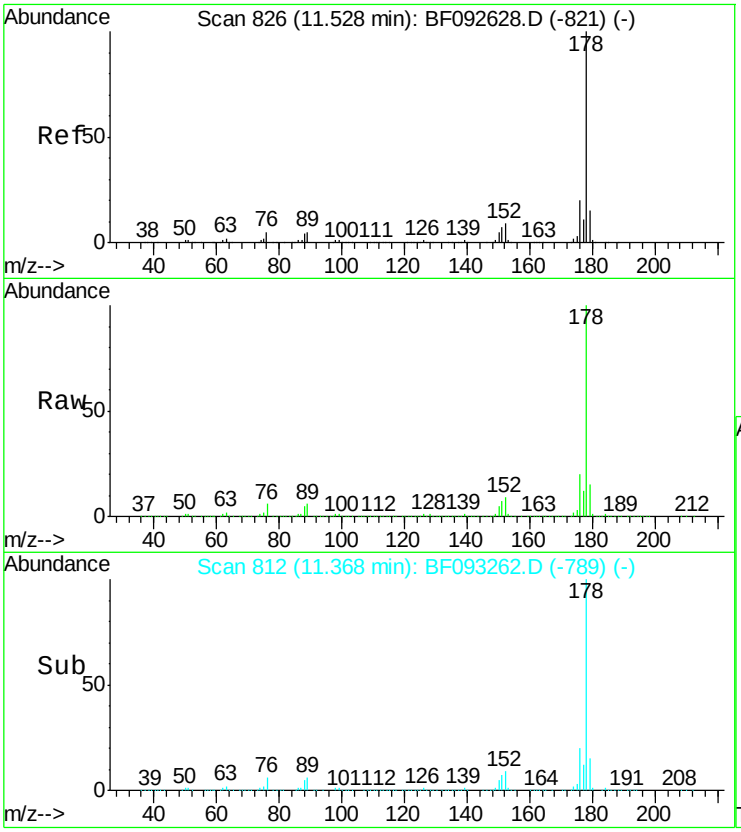


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:188 Resp: 356117

Ion	Ratio	Lower	Upper
188	100		
94	12.7	10.0	15.0
80	13.7	11.2	16.8

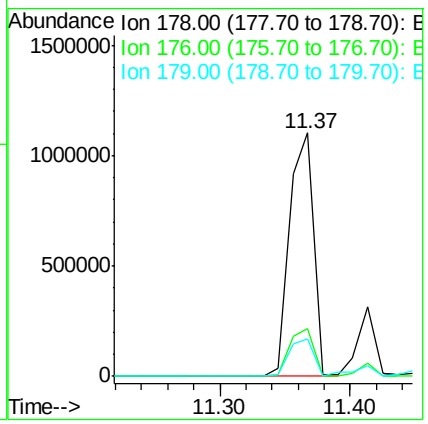




#70
Phenanthrene
Concen: 69.82 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:178 Resp: 1424590

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



Instrument :
BNA_F
ClientSampleId :
TK3-DUP-20170227

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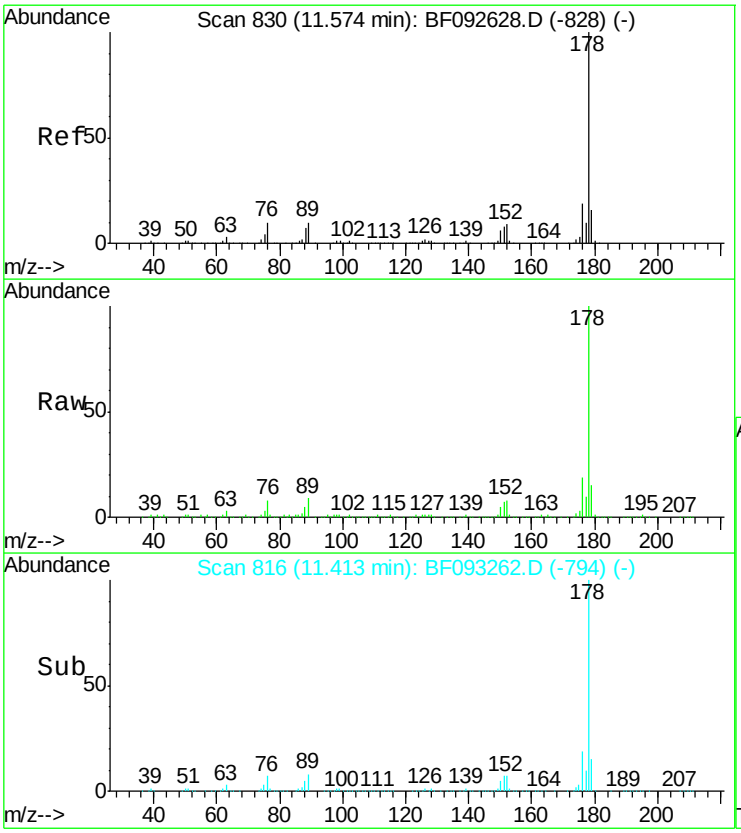
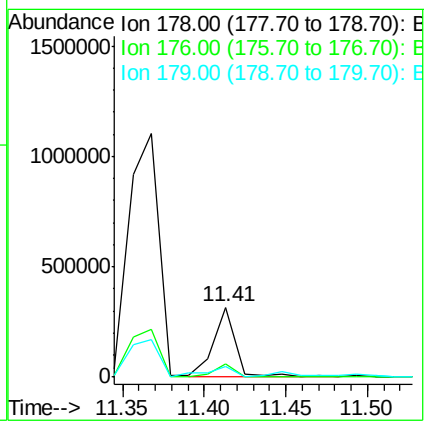
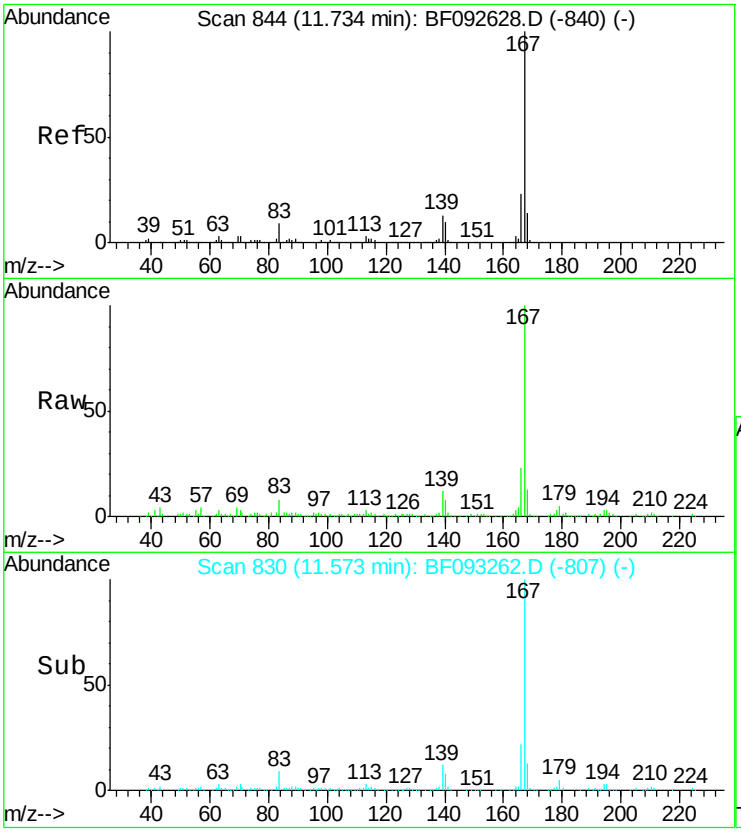


#71
Anthracene
Concen: 13.88 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:178 Resp: 284426

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	15.4	13.2	19.8

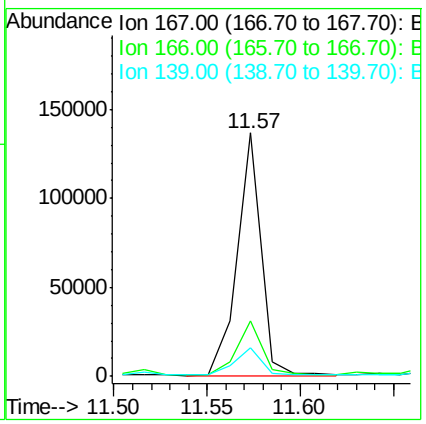




#72
Carbazole
Concen: 6.20 ng
RT: 11.57 min Scan# 830
Delta R.T. -0.03 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:167 Resp: 121463

Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.2	27.2
139	11.8	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
TK3-DUP-20170227

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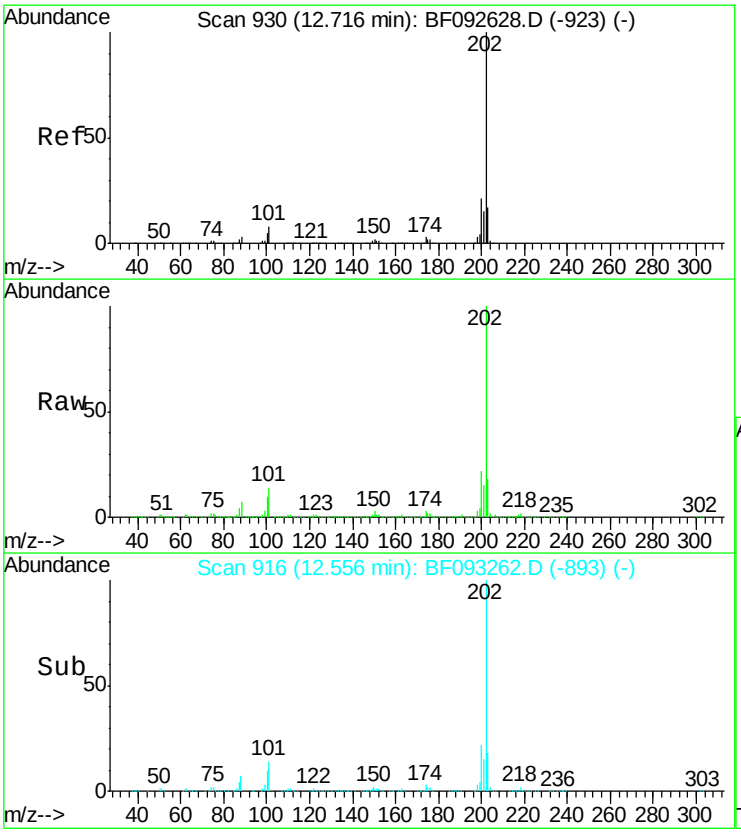
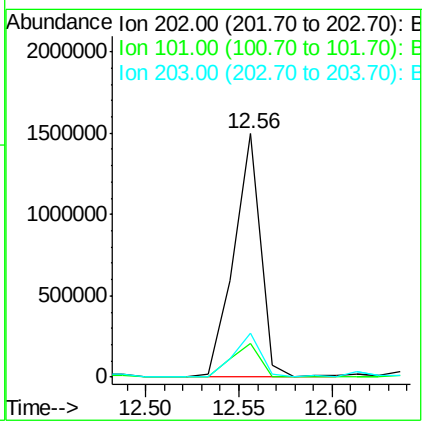
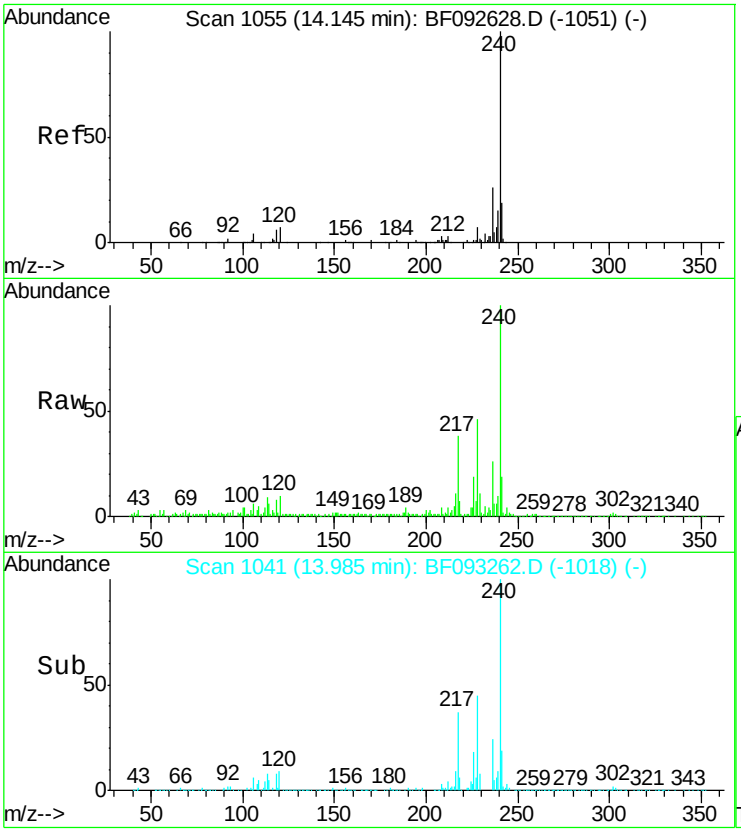


#74
Fluoranthene
Concen: 71.09 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.03 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:202 Resp: 1496077

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.6
203	17.9	0.0	38.7

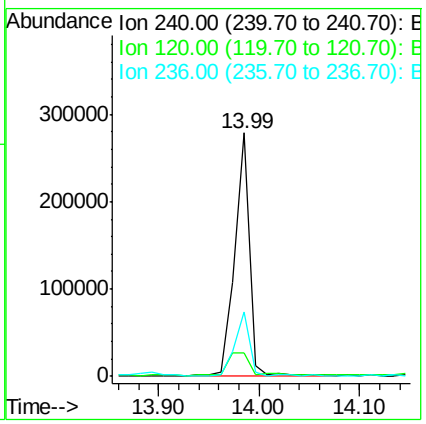




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:240 Resp: 279921

Ion	Ratio	Lower	Upper
240	100		
120	9.6	12.9	19.3#
236	26.3	20.9	31.3



Instrument :
BNA_F
ClientSampleId :
TK3-DUP-20170227

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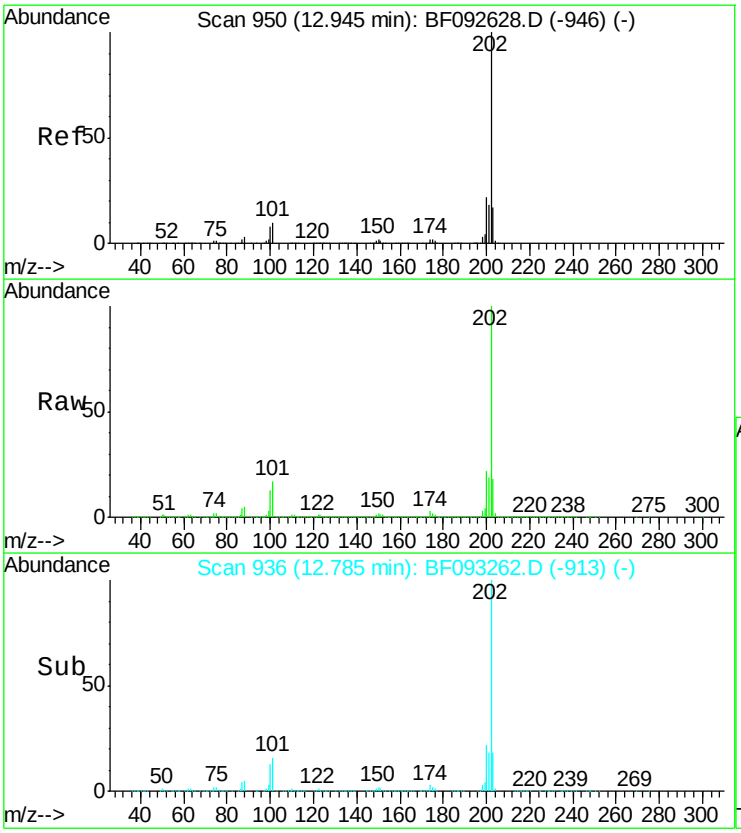
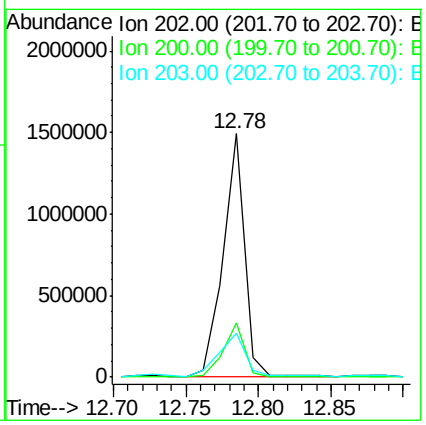
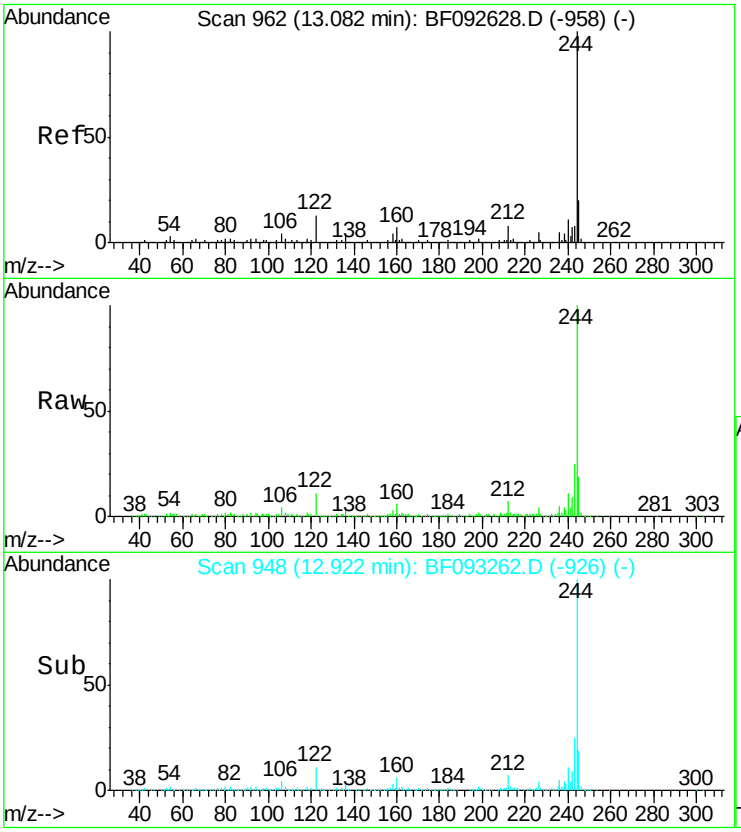


#77
Pyrene
Concen: 72.99 ng
RT: 12.78 min Scan# 936
Delta R.T. -0.03 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:202 Resp: 1529098

Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.7	26.5
203	18.1	14.7	22.1

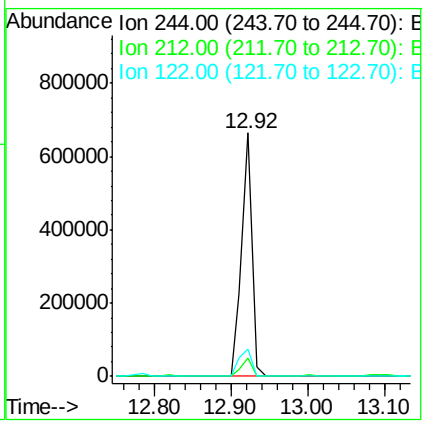




#78
Terphenyl-d14
Concen: 53.41 ng
RT: 12.92 min Scan# 948
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:244 Resp: 636252

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.2
122	11.0	11.4	17.2#



Instrument :
BNA_F
ClientSampleId :
TK3-DUP-20170227

Manual Integrations APPROVED
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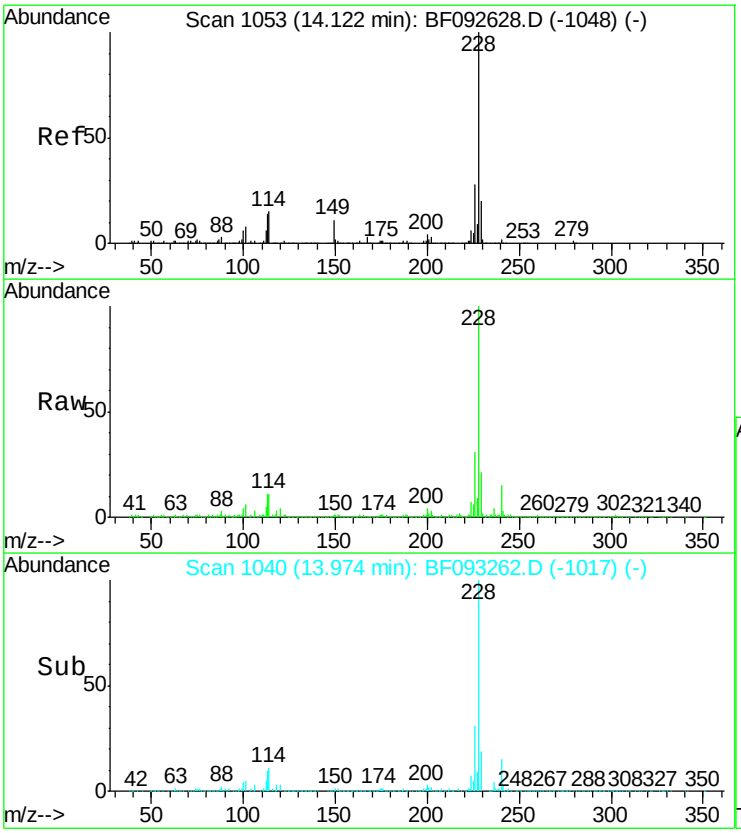
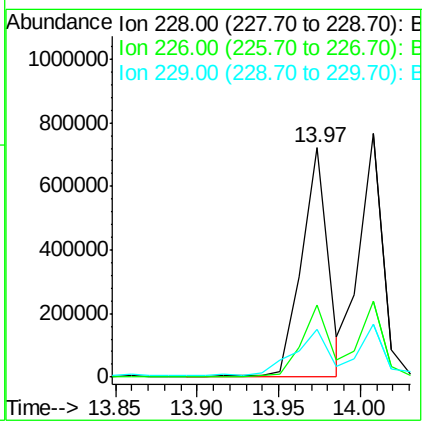
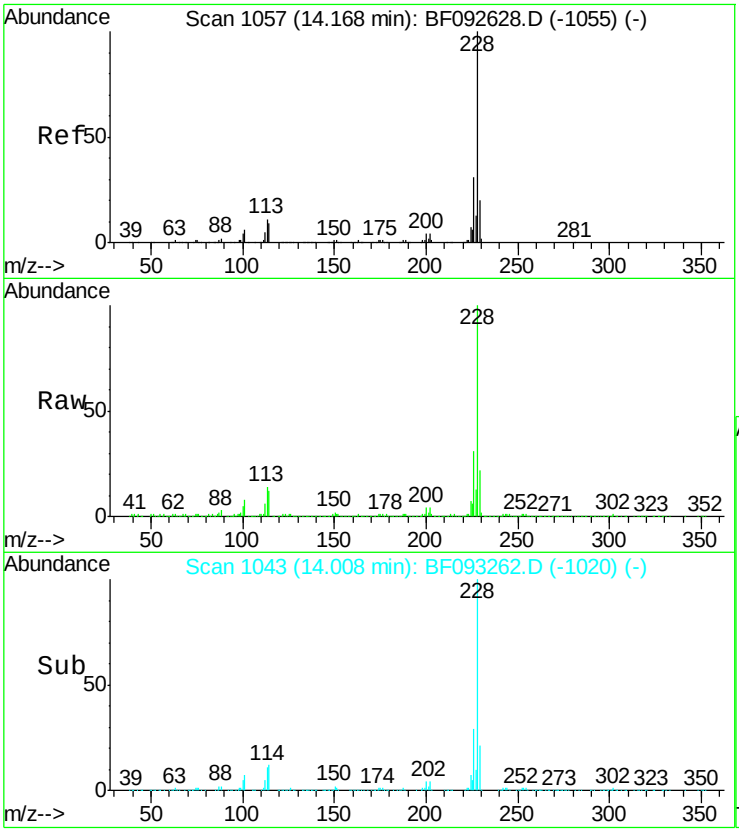


#80
Benzo(a)anthracene
Concen: 47.30 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:228 Resp: 809845

Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.4	33.6
229	20.7	16.2	24.4

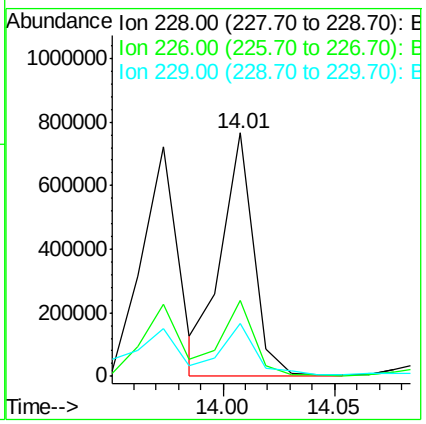




#82
Chrysene
Concen: 48.39 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:228 Resp: 775648

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-DUP-20170227

Manual Integrations APPROVED
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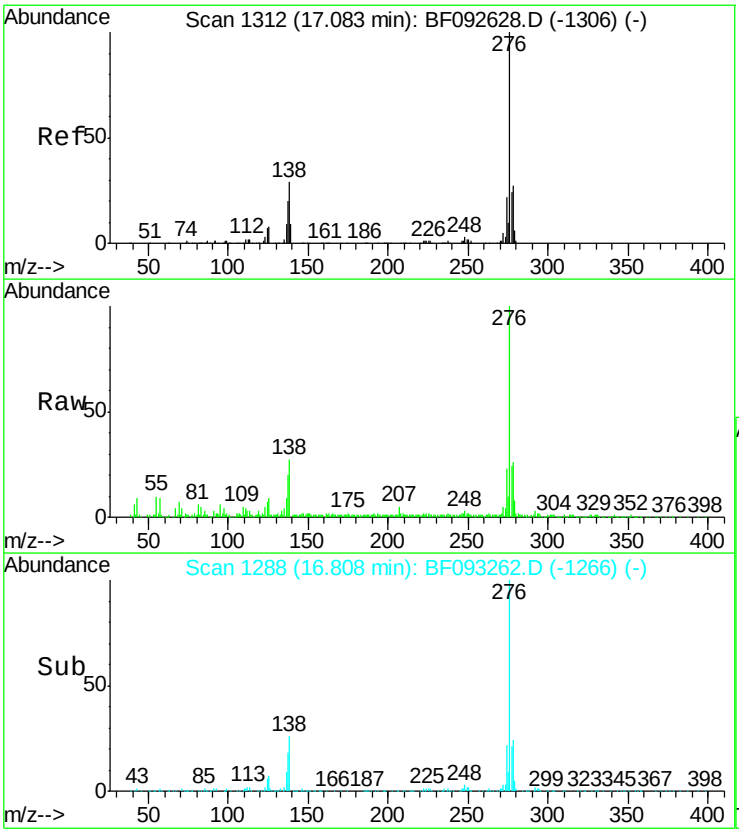
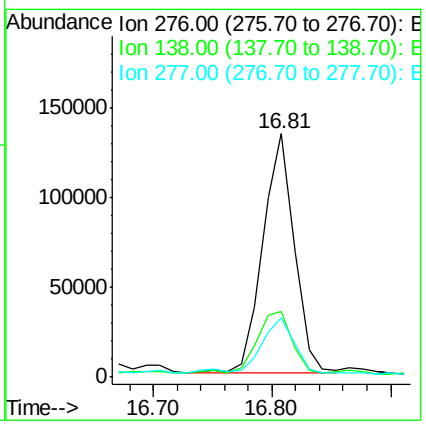
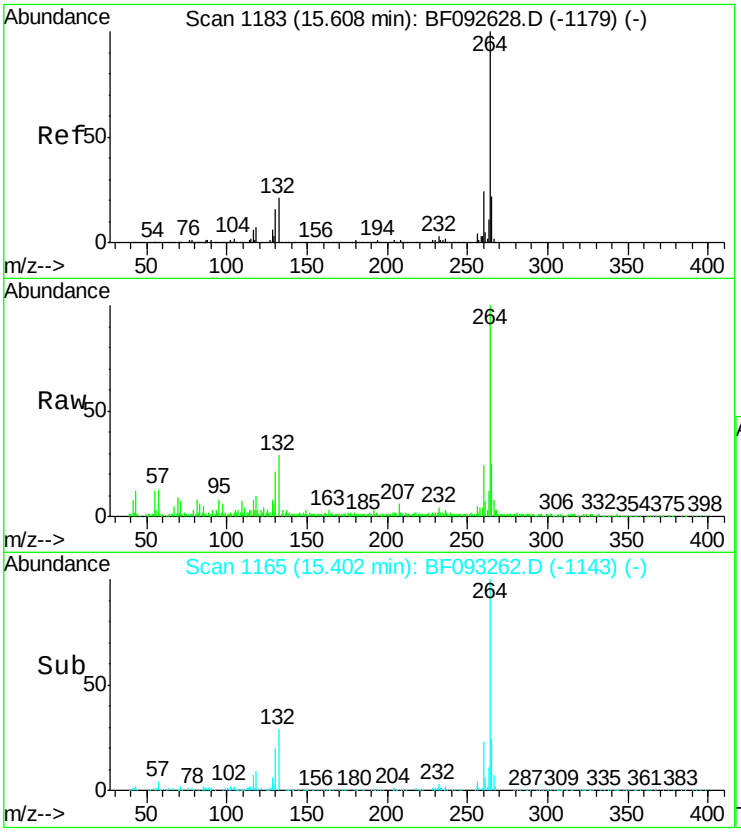


#85
Indeno(1,2,3-cd)pyrene
Concen: 19.79 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:276 Resp: 245759

Ion	Ratio	Lower	Upper
276	100		
138	28.7	21.8	32.6
277	25.1	20.2	30.4

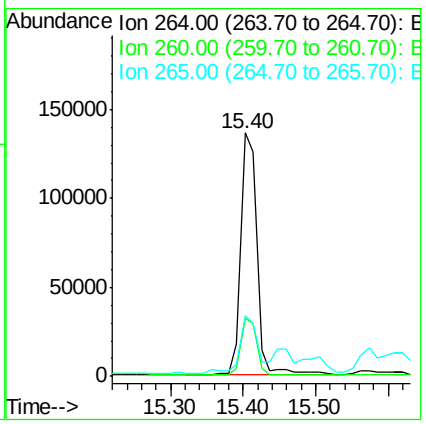




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:264 Resp: 212558

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	24.7	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
TK3-DUP-20170227

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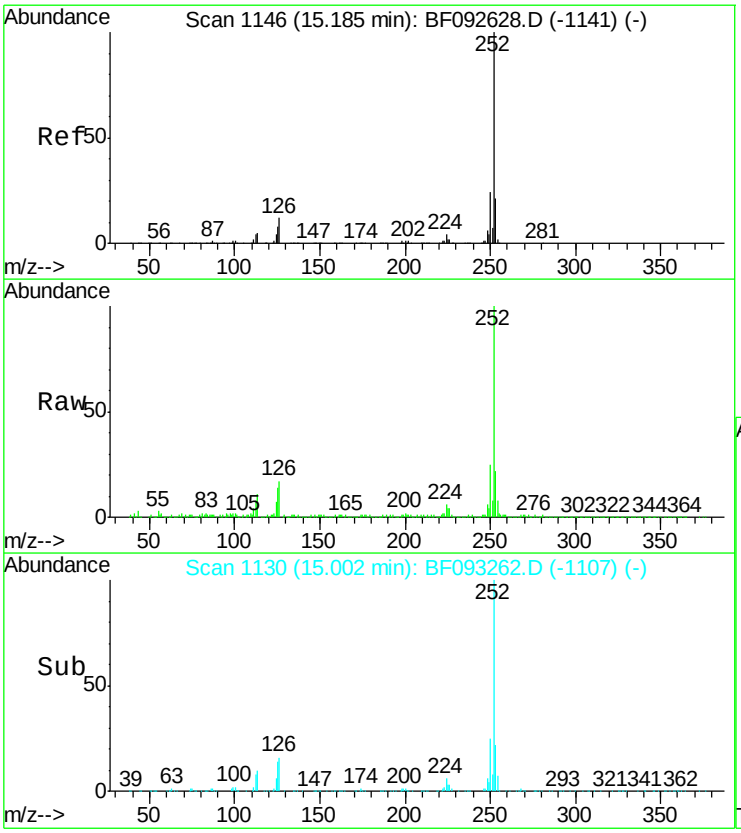
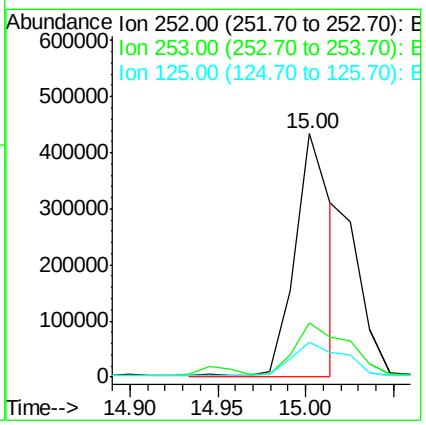
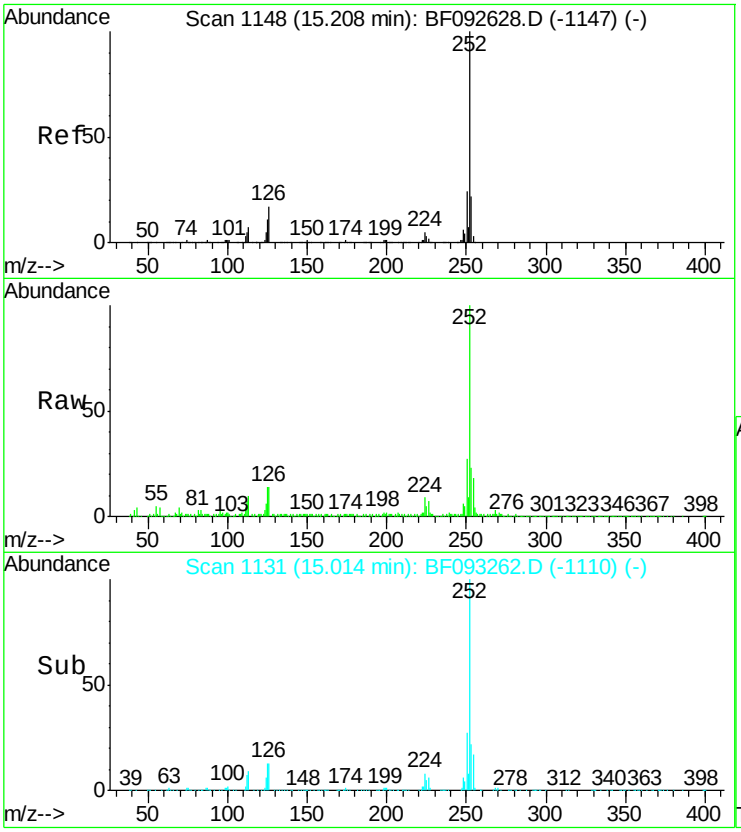


#87
Benzo(b)fluoranthene
Concen: 45.22 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:252 Resp: 632603

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	14.5	9.8	14.6





#88
Benzo(k)fluoranthene
Concen: 21.59 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:252 Resp: 260818

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	14.2	8.9	13.3#

Instrument :
BNA_F
ClientSampleId :
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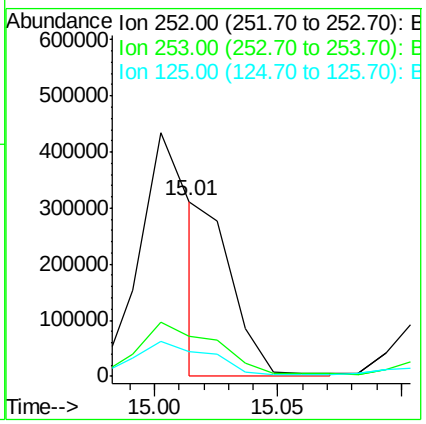
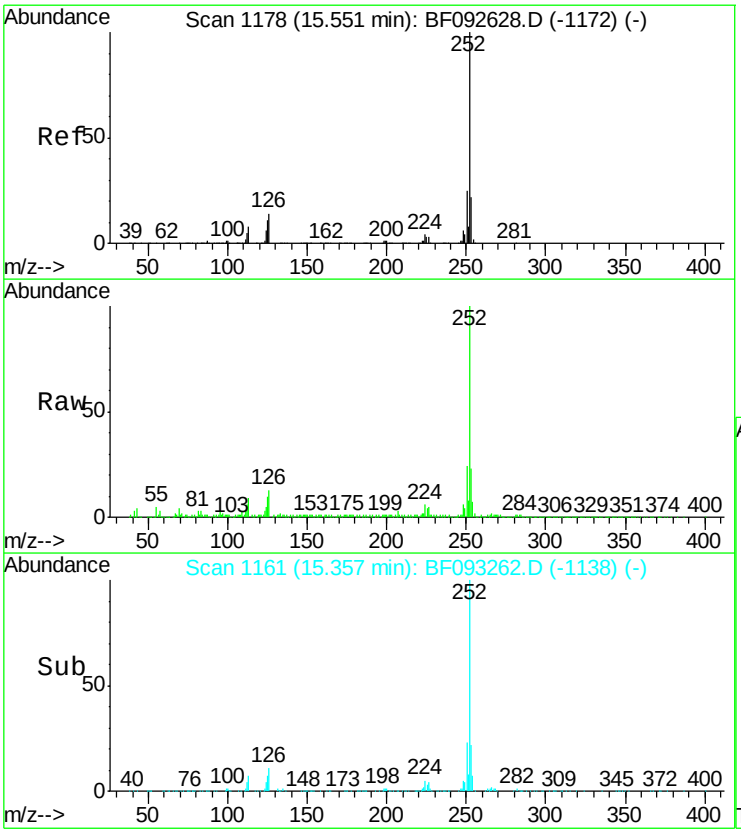
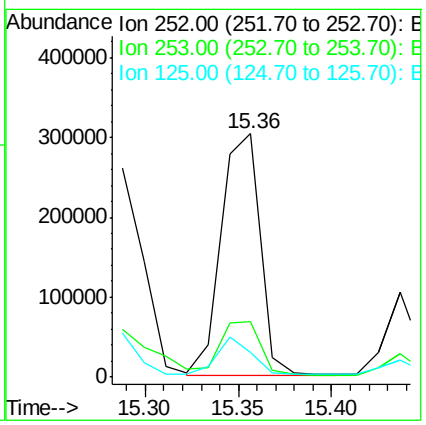


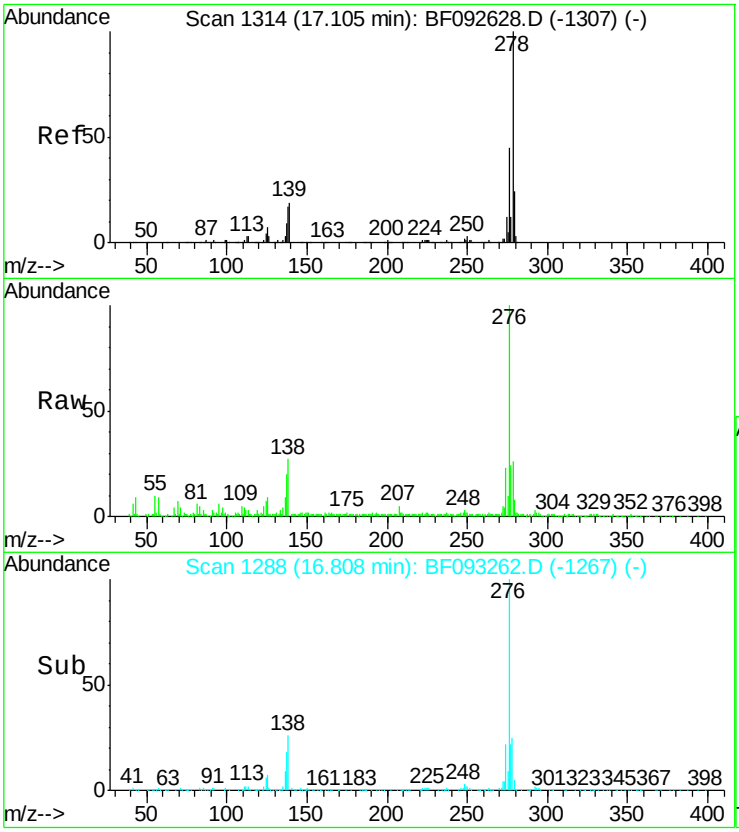


#89
Benzo(a)pyrene
Concen: 36.60 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:252 Resp: 442874

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	10.4	10.0	15.0





#90
Dibenzo(a,h)anthracene
Concen: 8.55 ng m
RT: 16.81 min Scan# 1288
Delta R.T. -0.06 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:278 Resp: 83581

Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	29.7	19.8	29.6#

Instrument :
BNA_F
ClientSampleId :
TK3-DUP-20170227

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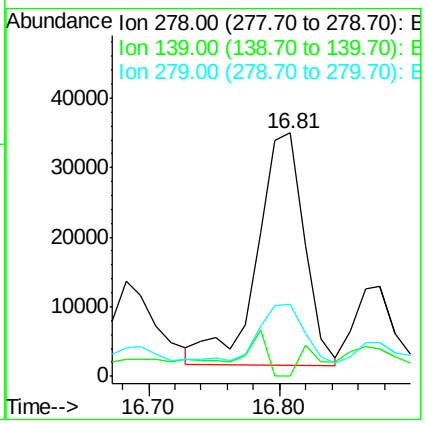

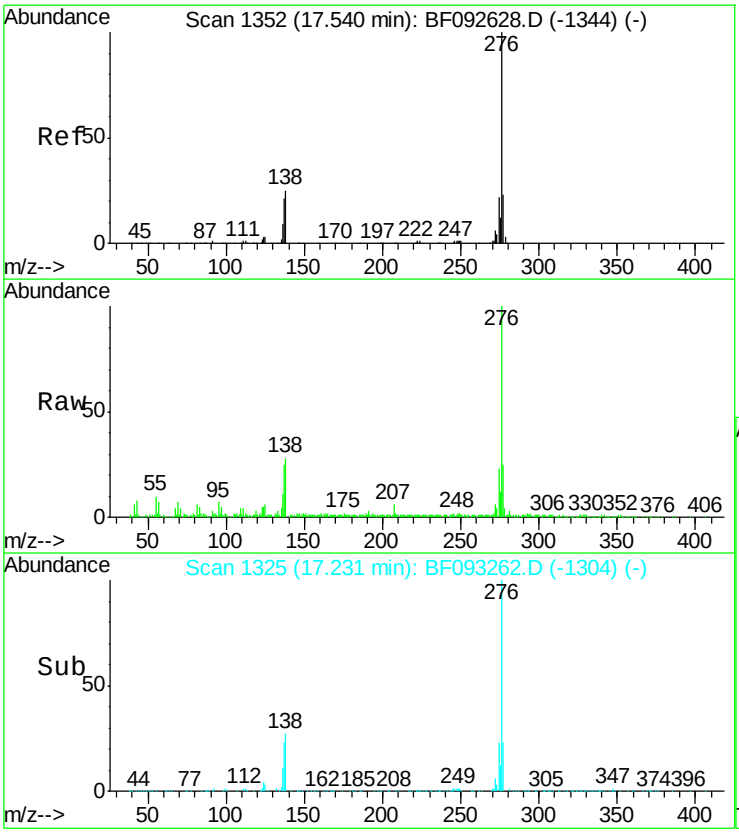

#91
Benzo(g,h,i)perylene
Concen: 25.39 ng
RT: 17.23 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF093262.D
Acq: 28 Feb 2017 21:35

Tgt Ion:276 Resp: 250896

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.2	28.8
138	28.5	16.0	24.0#