Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093257.D
Acq On : 28 Feb 2017 19:15
Operator : SJ/MA
Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

Manual Integrations APPROVED
mohammad
3/1/2017 4:06:29 PM

Quant Time: Mar 01 02:42:12 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	140728	20.00	ng		-0.05
21) Naphthalene-d8	8.10	136	504815	20.00	ng		-0.05
38) Acenaphthene-d10	9.85	164	204252	20.00	ng		-0.05
63) Phenanthrene-d10	11.33	188	300855	20.00	ng		-0.05
75) Chrysene-d12	13.99	240	258191	20.00	ng		-0.03
86) Perylene-d12	15.41	264	182354	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	911807	111.16	ng		-0.03
7) Phenol-d6	6.46	99	1175008	111.33	ng		-0.02
23) Nitrobenzene-d5	7.38	82	674209	74.37	ng		-0.05
41) 2,4,6-Tribromophenol	10.64	330	147043	99.54	ng		-0.05
44) 2-Fluorobiphenyl	9.17	172	968344	85.89	ng		-0.05
78) Terphenyl-d14	12.92	244	679187	61.81	ng		-0.05
Target Compounds							Qvalue
10) Phenol	6.49	94	84104	6.81	ng	#	70
31) Naphthalene	8.12	128	76077	2.97	ng		99
37) 2-Methylnaphthalene	8.81	142	37141	2.26	ng		96
48) Acenaphthylene	9.71	152	375570	18.79	ng		98
49) Dimethylphthalate	9.57	163	75720	5.50	ng		99
54) Dibenzofuran	10.05	168	86942	5.44	ng		91
57) Fluorene	10.40	166	69467m	5.65	ng		
70) Phenanthrene	11.36	178	1189110	68.99	ng		99
71) Anthracene	11.41	178	290201	16.77	ng		97
72) Carbazole	11.57	167	153081	9.25	ng		96
74) Fluoranthene	12.56	202	1740152	97.88	ng		97
77) Pyrene	12.79	202	1549686	80.20	ng		100
80) Benzo(a)anthracene	13.97	228	800258m	50.68	ng		
82) Chrysene	14.01	228	747625	50.57	ng		97
83) Bis(2-ethylhexyl)phthalate	13.95	149	23755	2.21	ng	#	89
85) Indeno(1,2,3-cd)pyrene	16.81	276	347157	30.31	ng		98
87) Benzo(b)fluoranthene	15.00	252	729241m	60.76	ng		
88) Benzo(k)fluoranthene	15.01	252	307403m	29.66	ng		
89) Benzo(a)pyrene	15.36	252	461258	44.43	ng		99
90) Dibenzo(a,h)anthracene	16.81	278	85727	10.22	ng	#	74
91) Benzo(g,h,i)perylene	17.23	276	328190	38.72	ng	#	90

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

Quantitation Report (LSC Reviewed)

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Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227

Manual Integrations APPROVED
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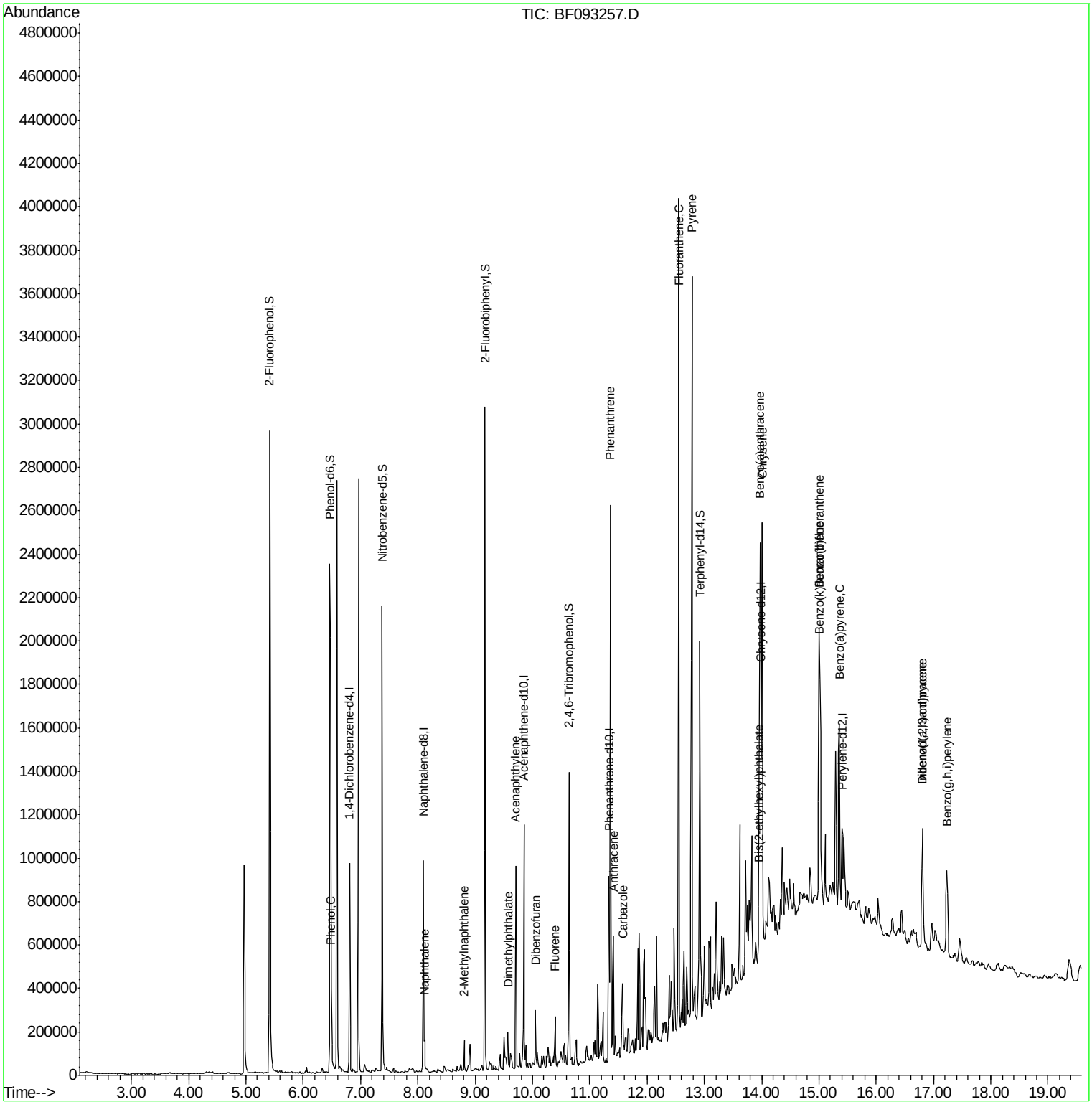
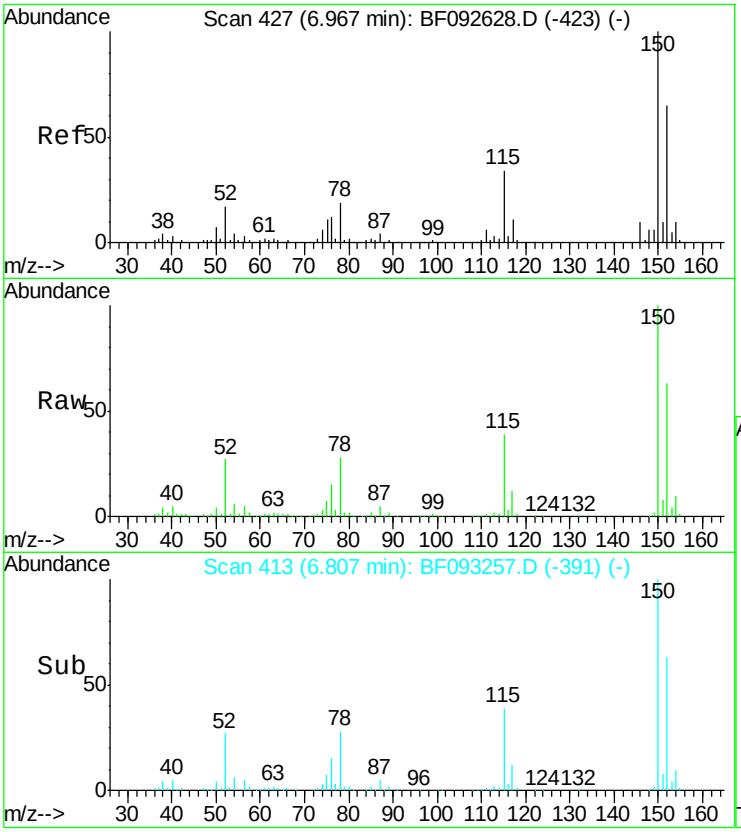
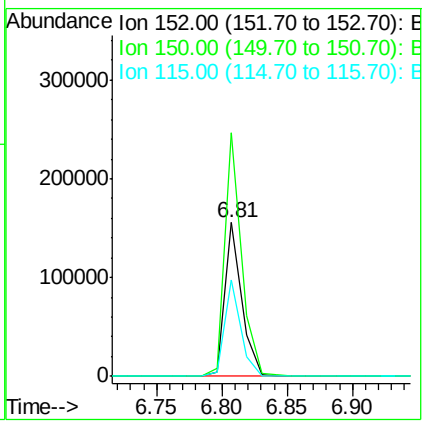




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:152 Resp: 140728

Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.9	187.3
115	62.4	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227

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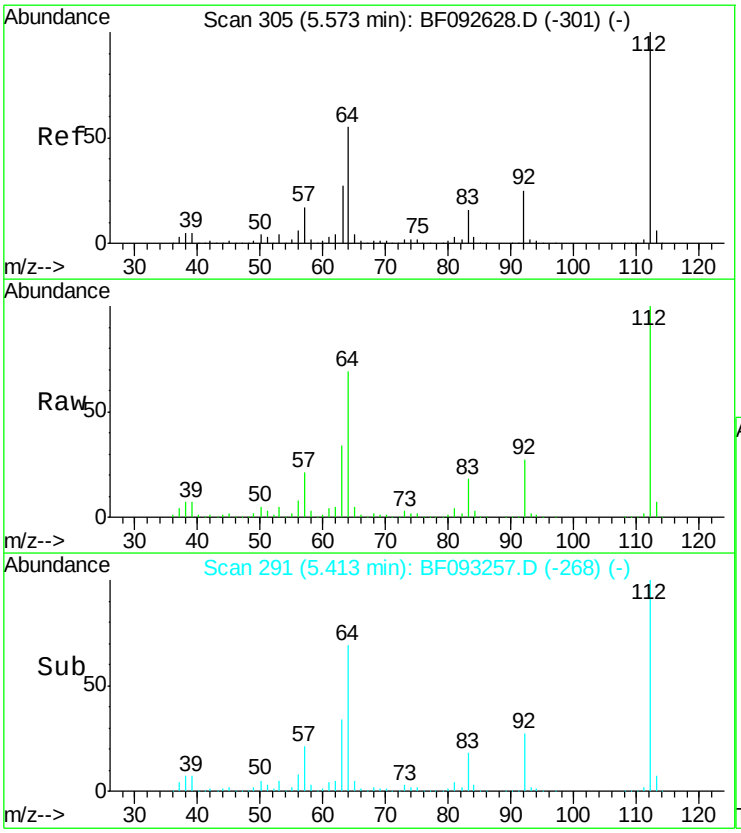
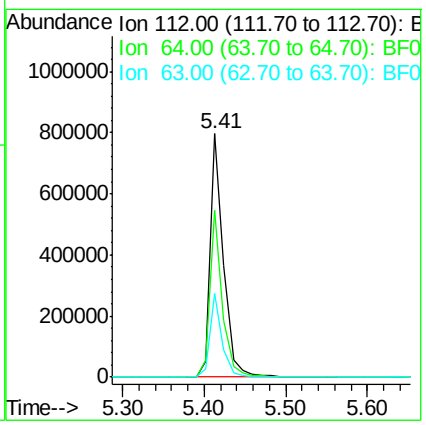
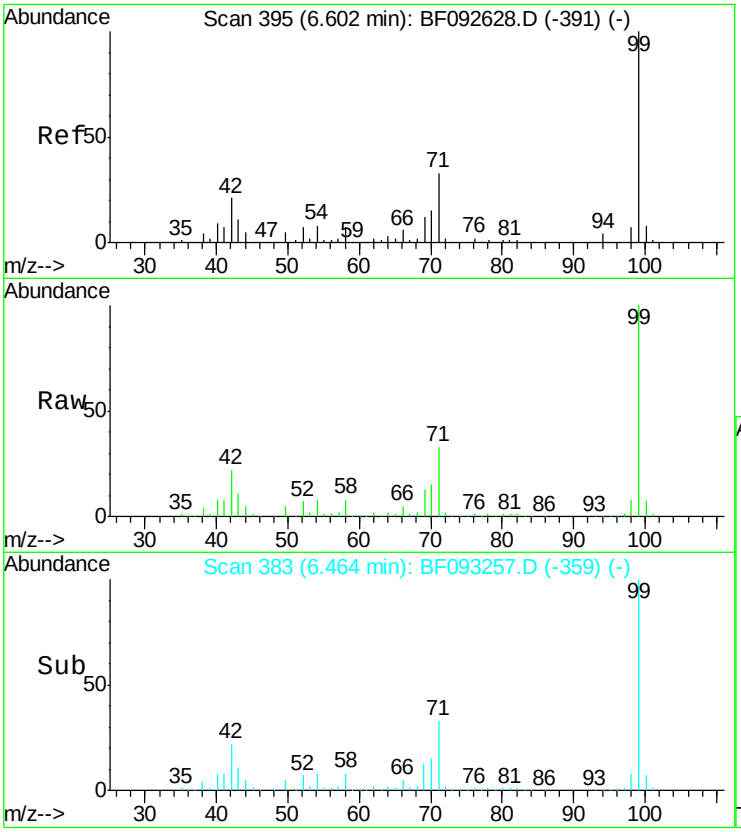


#5
2-Fluorophenol
Concen: 111.16 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:112 Resp: 911807

Ion	Ratio	Lower	Upper
112	100		
64	68.8	46.1	69.1
63	34.4	23.8	35.6

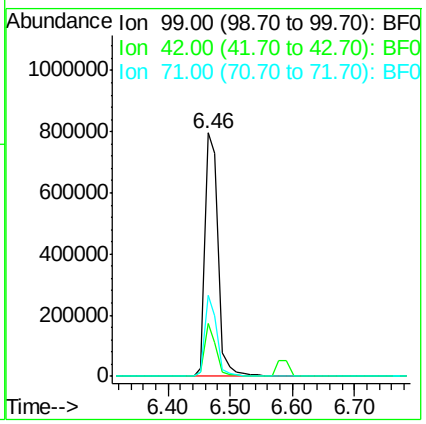




#7
Phenol-d6
Concen: 111.33 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.02 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion: 99 Resp: 1175008

Ion	Ratio	Lower	Upper
99	100		
42	21.9	15.6	23.4
71	33.1	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227

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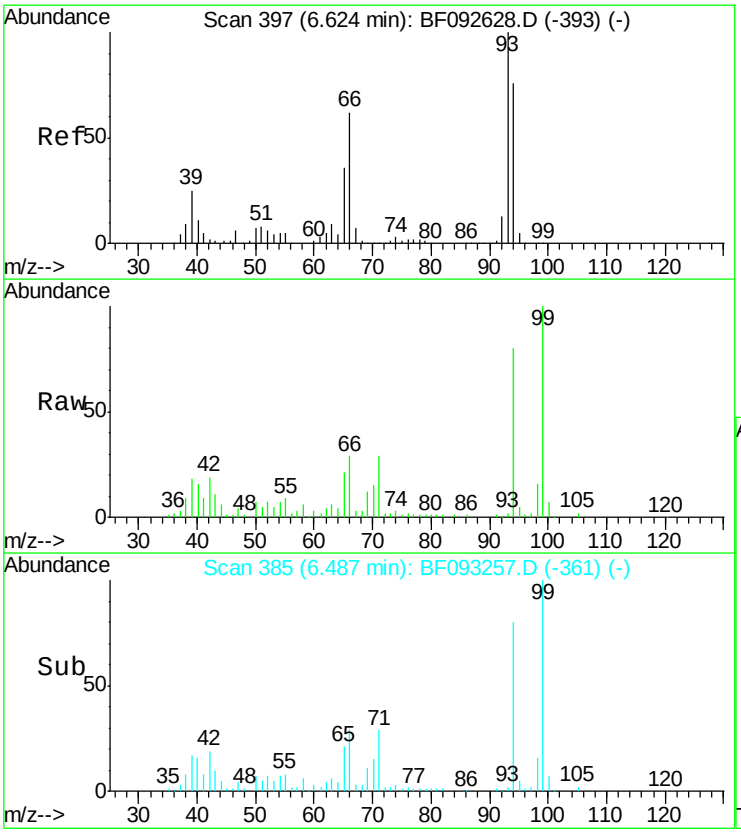
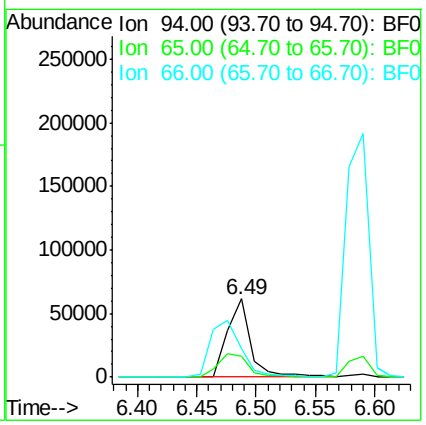
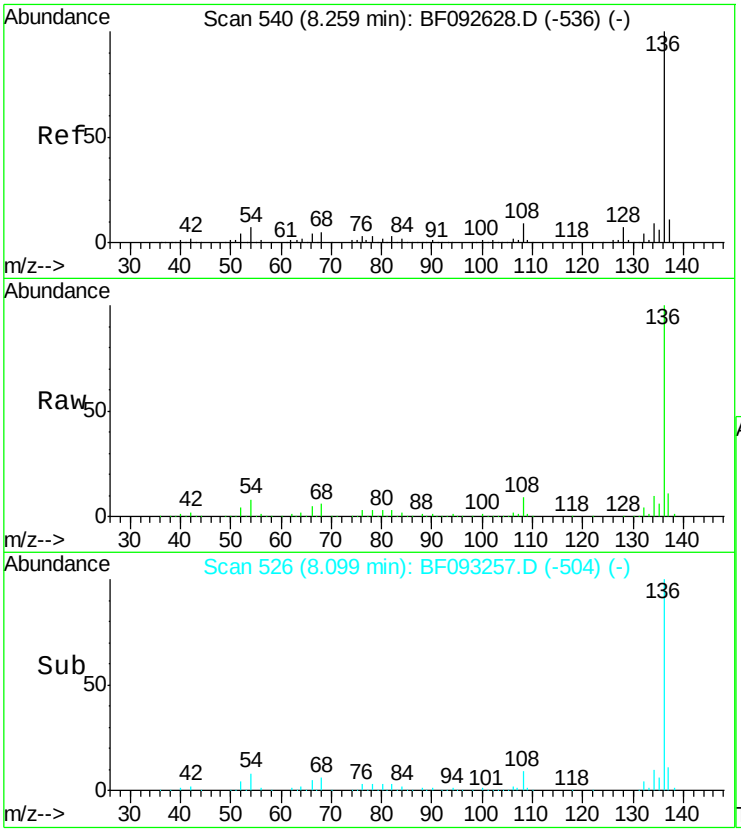


#10
Phenol
Concen: 6.81 ng
RT: 6.49 min Scan# 385
Delta R.T. -0.02 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion: 94 Resp: 84104

Ion	Ratio	Lower	Upper
94	100		
65	26.6	21.4	61.4
66	36.7	44.0	84.0#

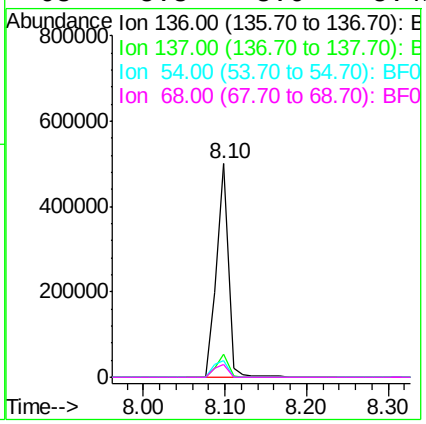




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:136 Resp: 504815

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.8	4.5	6.7#
68	5.8	3.6	5.4#



Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227

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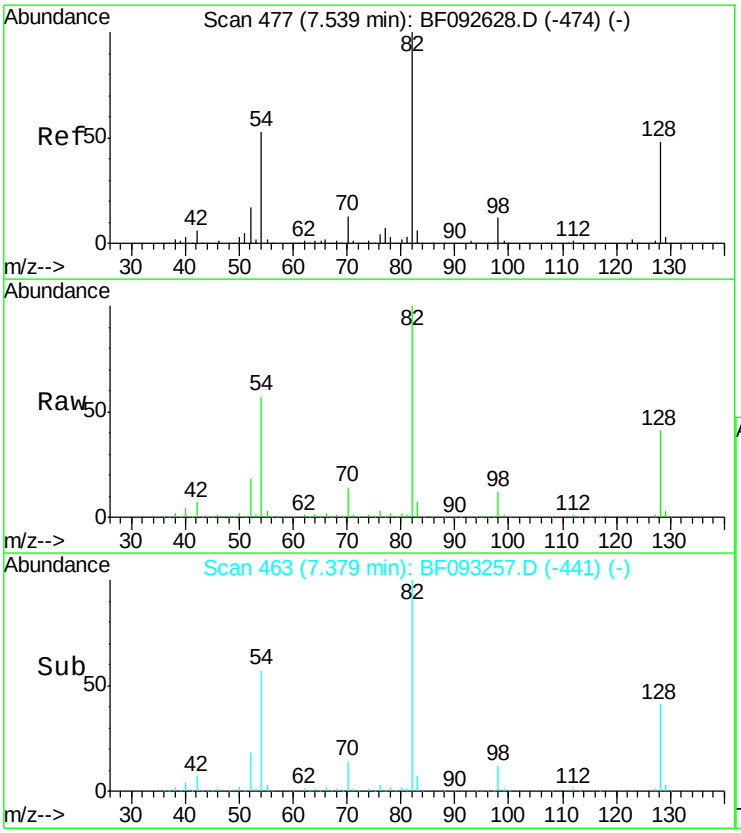
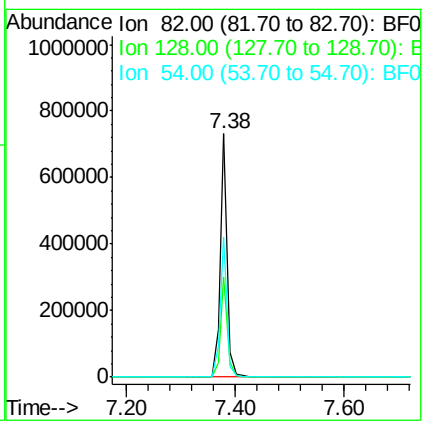
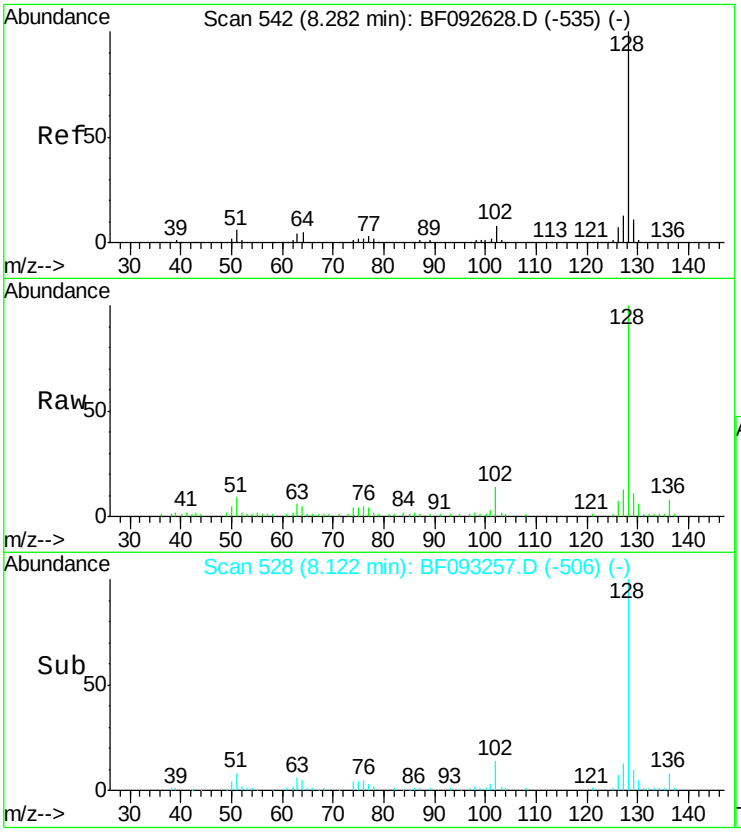


#23
Nitrobenzene-d5
Concen: 74.37 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion: 82 Resp: 674209

Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.6	52.0
54	57.3	39.5	59.3

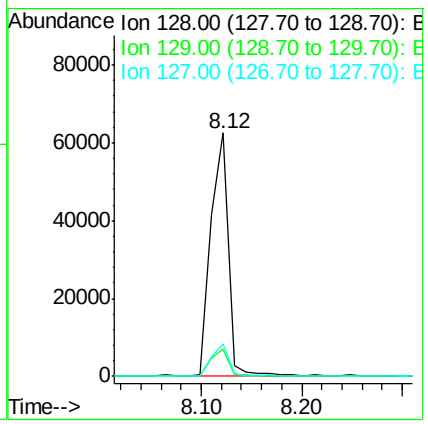




#31
Naphthalene
Concen: 2.97 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:128 Resp: 76077

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.5	14.3
127	13.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227

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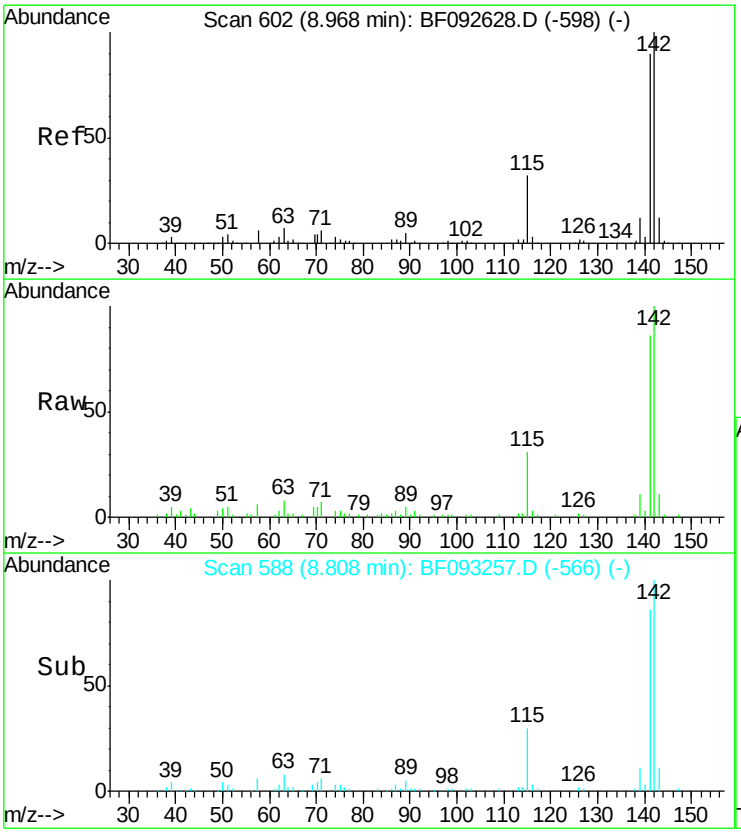
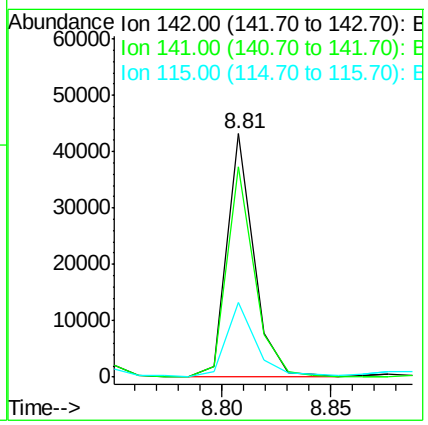
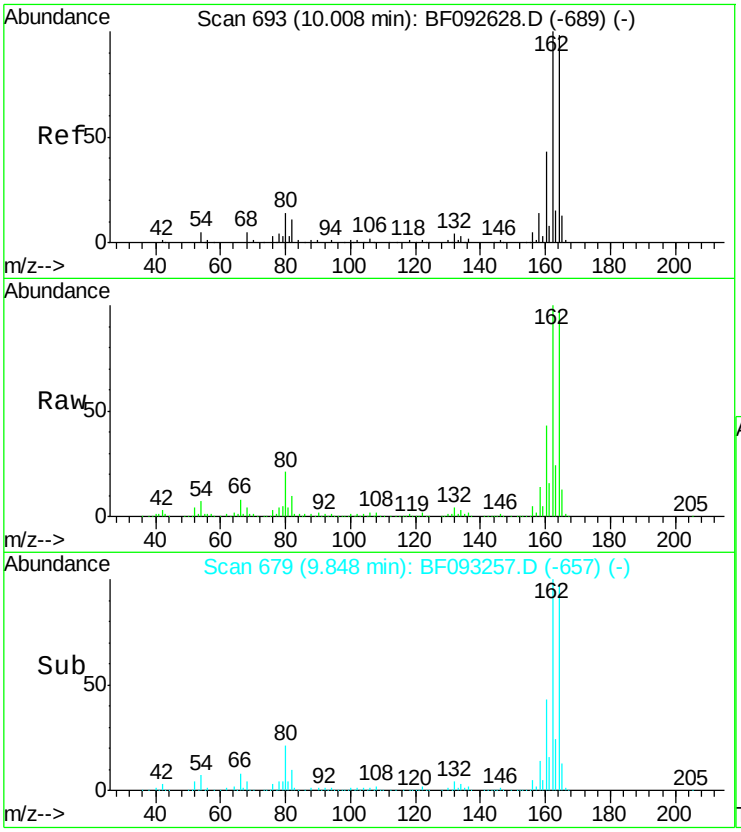


#37
2-Methylnaphthalene
Concen: 2.26 ng
RT: 8.81 min Scan# 588
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:142 Resp: 37141

Ion	Ratio	Lower	Upper
142	100		
141	86.4	71.0	106.6
115	30.8	28.3	42.5

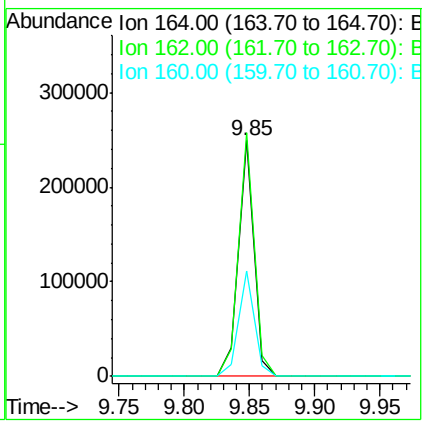




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:164 Resp: 204252

Ion	Ratio	Lower	Upper
164	100		
162	103.3	80.2	120.2
160	44.8	36.9	55.3



Instrument :
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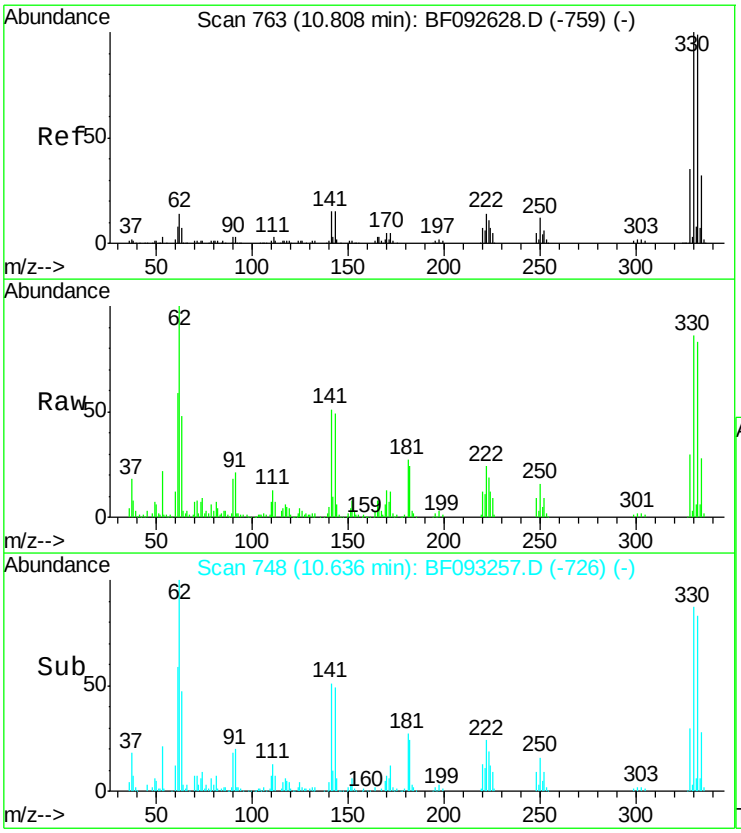
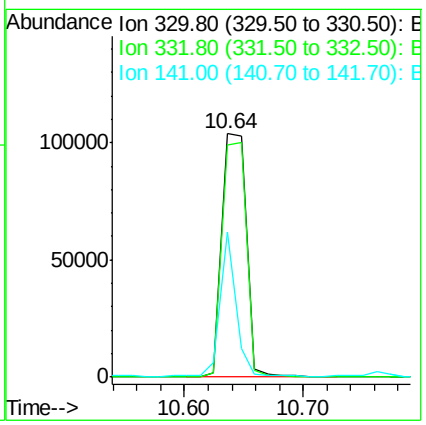
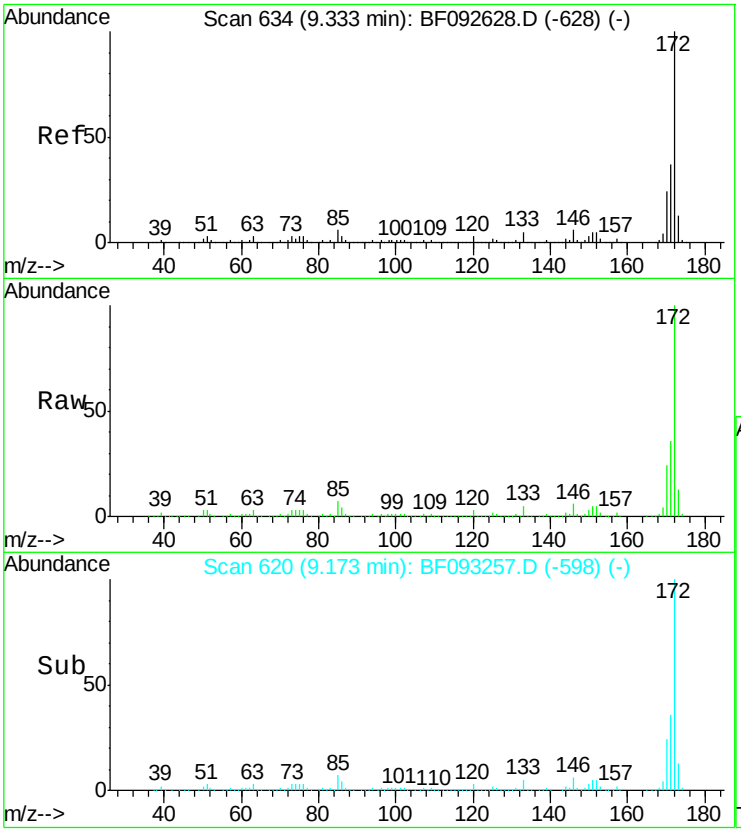


#41
2,4,6-Tribromophenol
Concen: 99.54 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:330 Resp: 147043

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	38.6	34.1	51.1

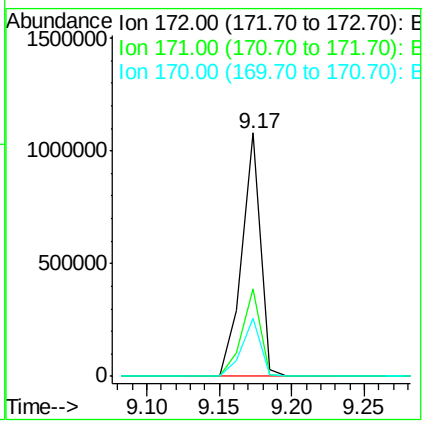




#44
2-Fluorobiphenyl
Concen: 85.89 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:172 Resp: 968344

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.1	20.2	30.4



Instrument :
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Manual Integrations APPROVED
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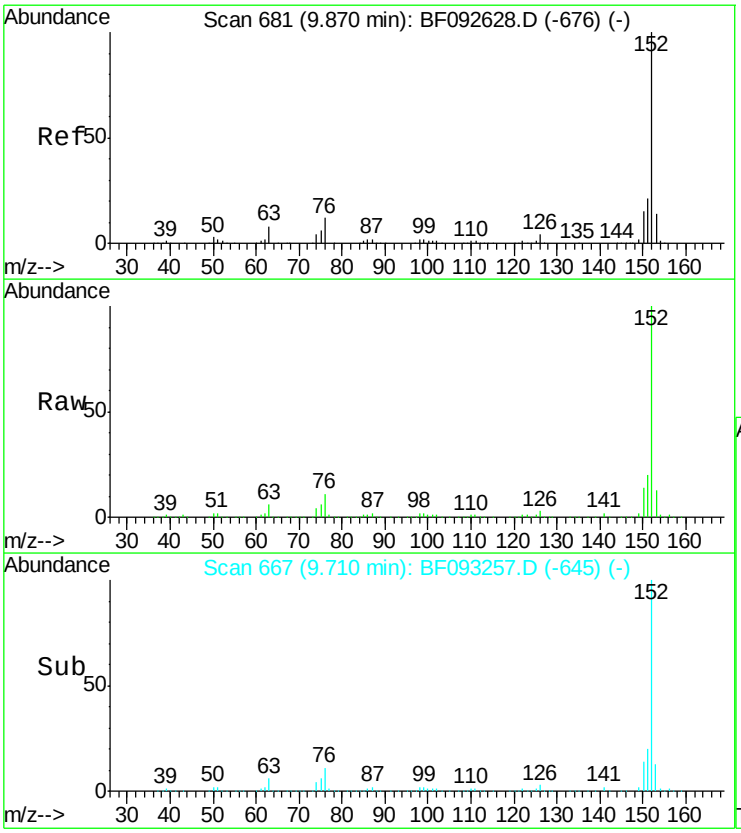
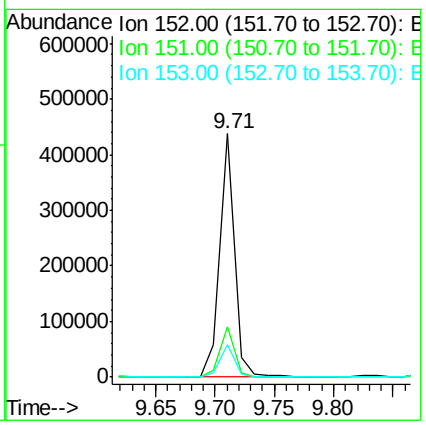
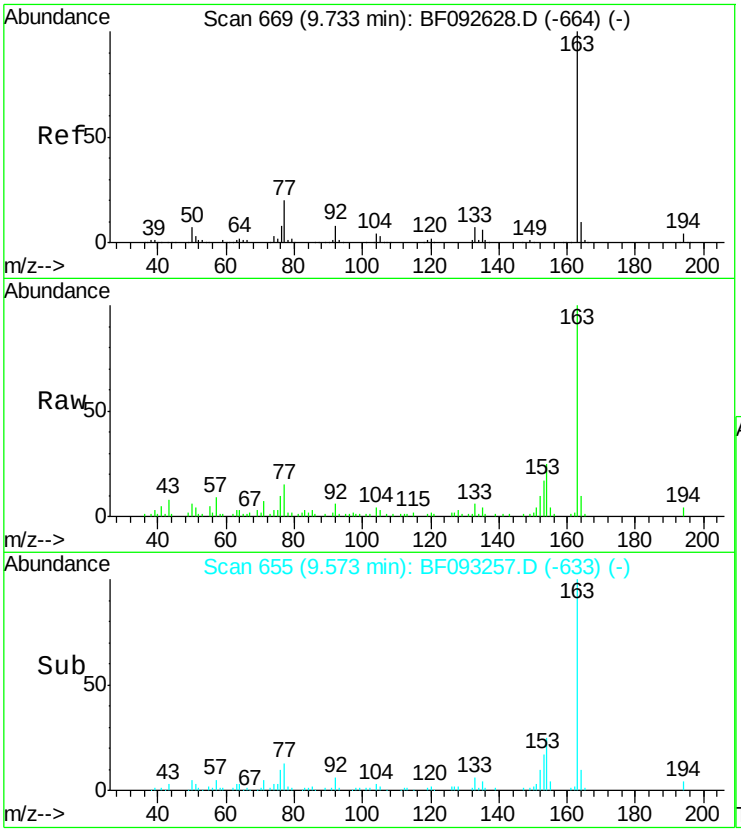


#48
Acenaphthylene
Concen: 18.79 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:152 Resp: 375570

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.9	25.3
153	13.2	11.4	17.2

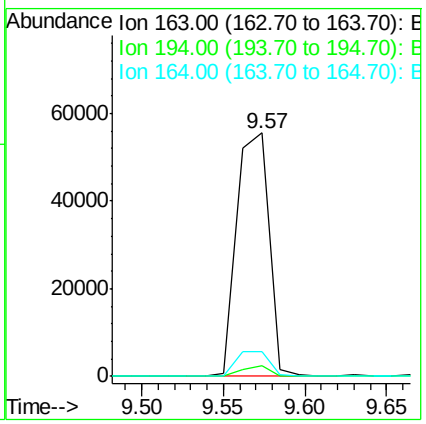




#49
Dimethylphthalate
Concen: 5.50 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:163 Resp: 75720

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.4
164	10.3	8.0	12.0



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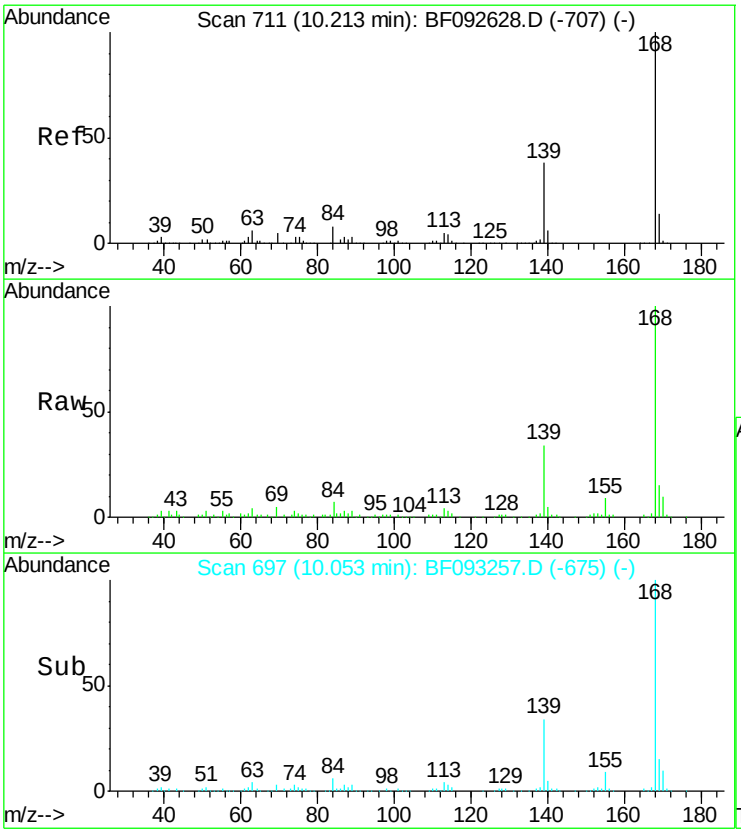
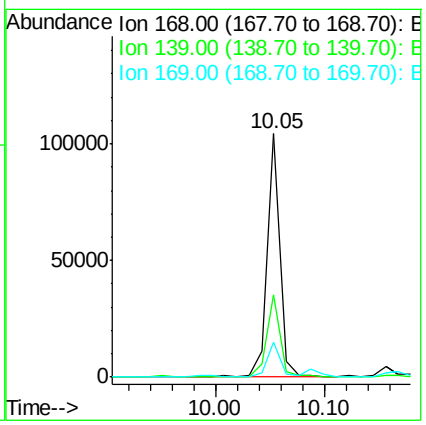
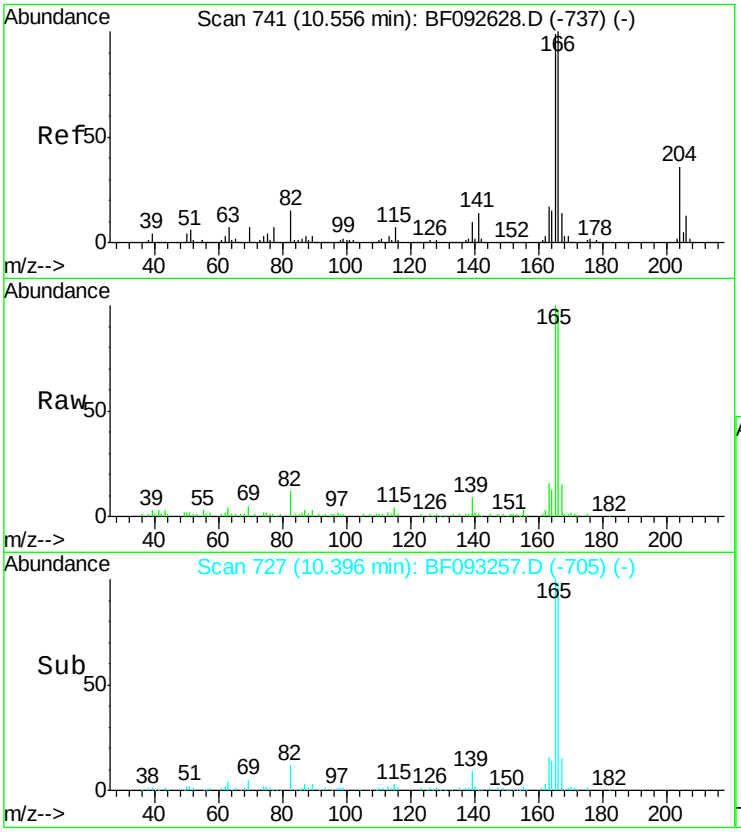


#54
Dibenzofuran
Concen: 5.44 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:168 Resp: 86942

Ion	Ratio	Lower	Upper
168	100		
139	33.6	32.6	49.0
169	14.6	11.3	16.9

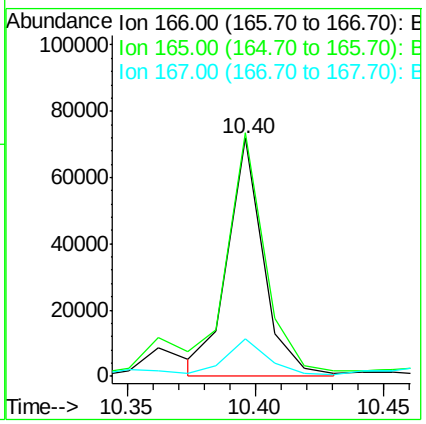




#57
Fluorene
Concen: 5.65 ng m
RT: 10.40 min Scan# 727
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:166 Resp: 69467

Ion	Ratio	Lower	Upper
166	100		
165	102.3	77.8	116.8
167	15.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227

Manual Integrations APPROVED
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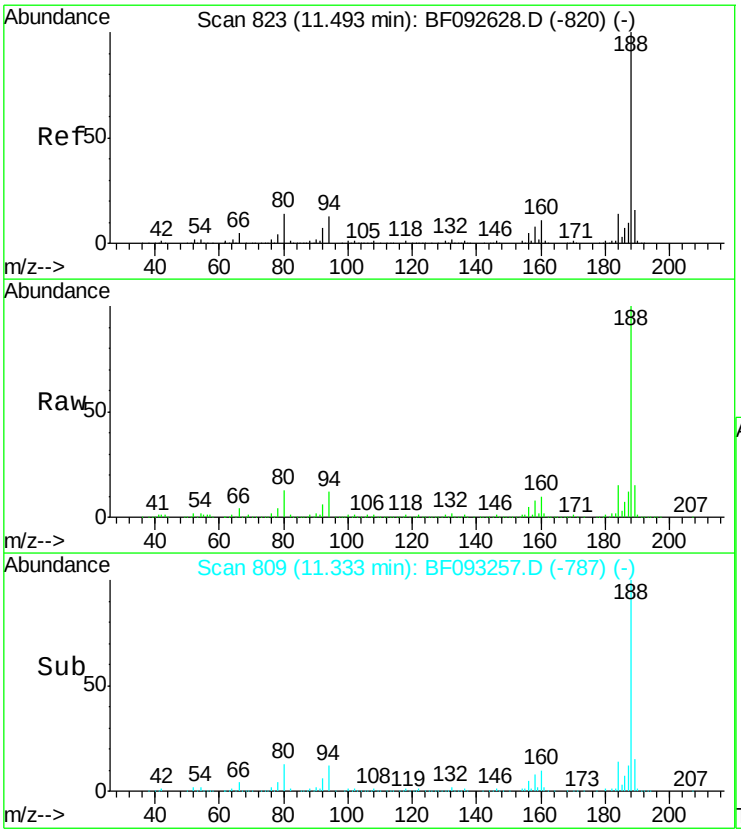
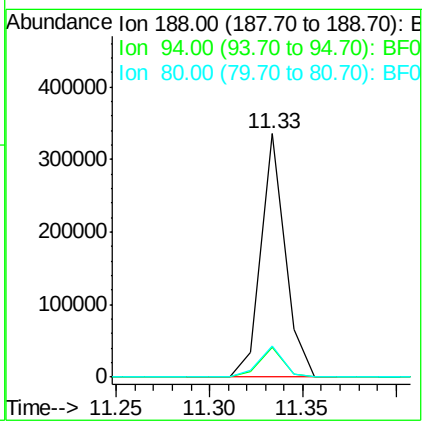
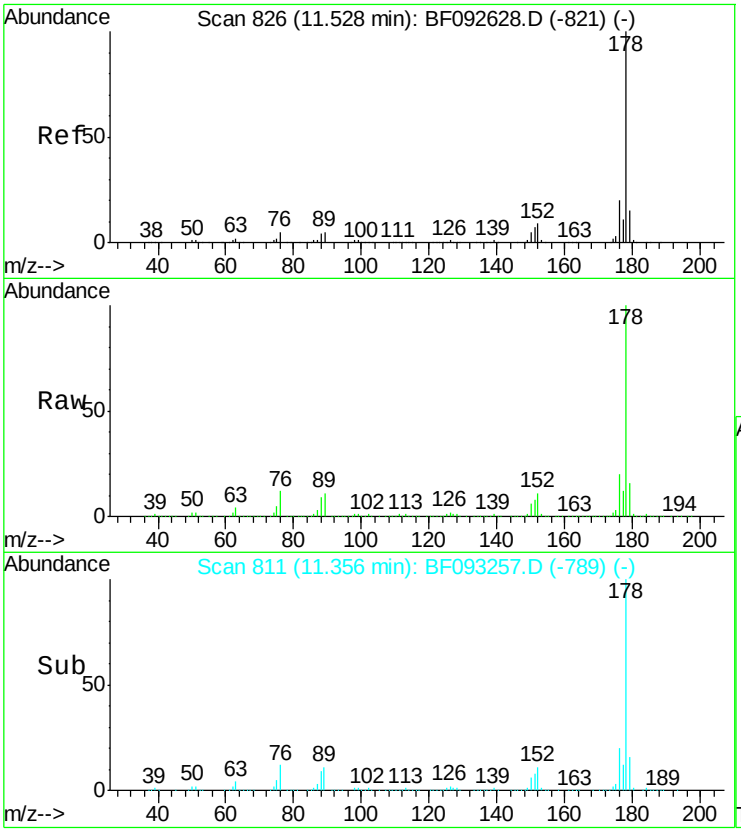


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:188 Resp: 300855

Ion	Ratio	Lower	Upper
188	100		
94	12.0	10.0	15.0
80	13.0	11.2	16.8

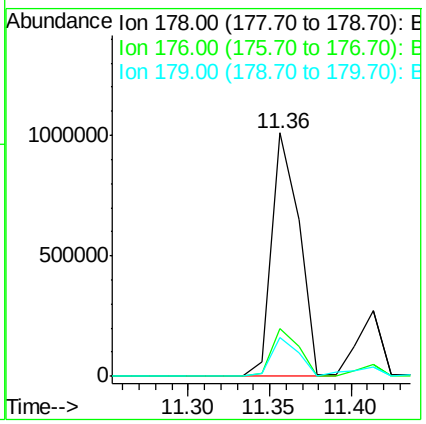




#70
Phenanthrene
Concen: 68.99 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:178 Resp: 1189110

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.6	25.0
179	15.8	12.8	19.2



Instrument :
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ClientSampleId :
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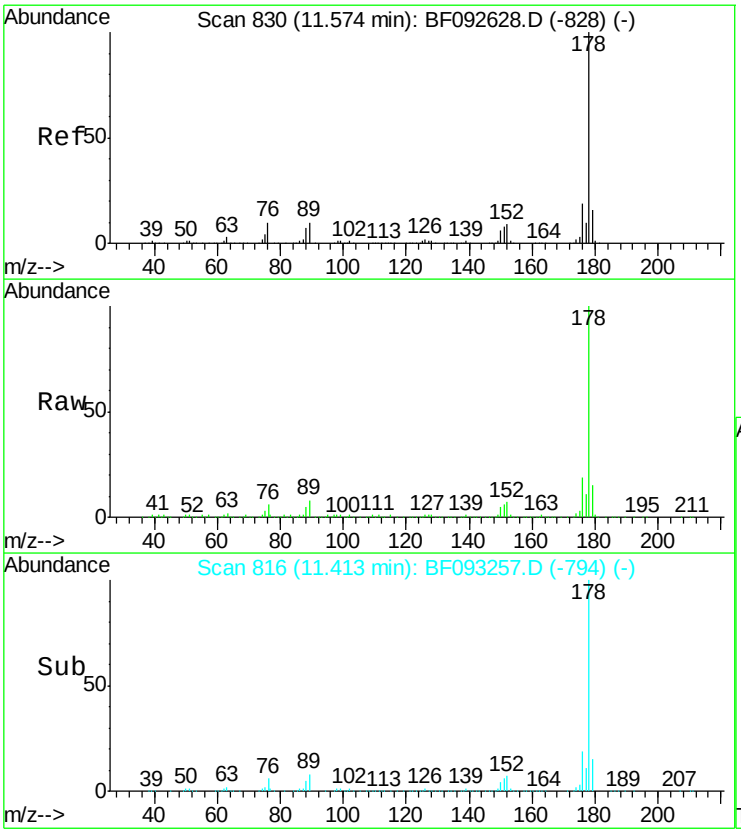
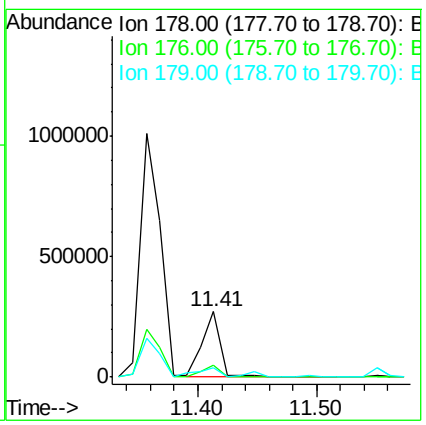
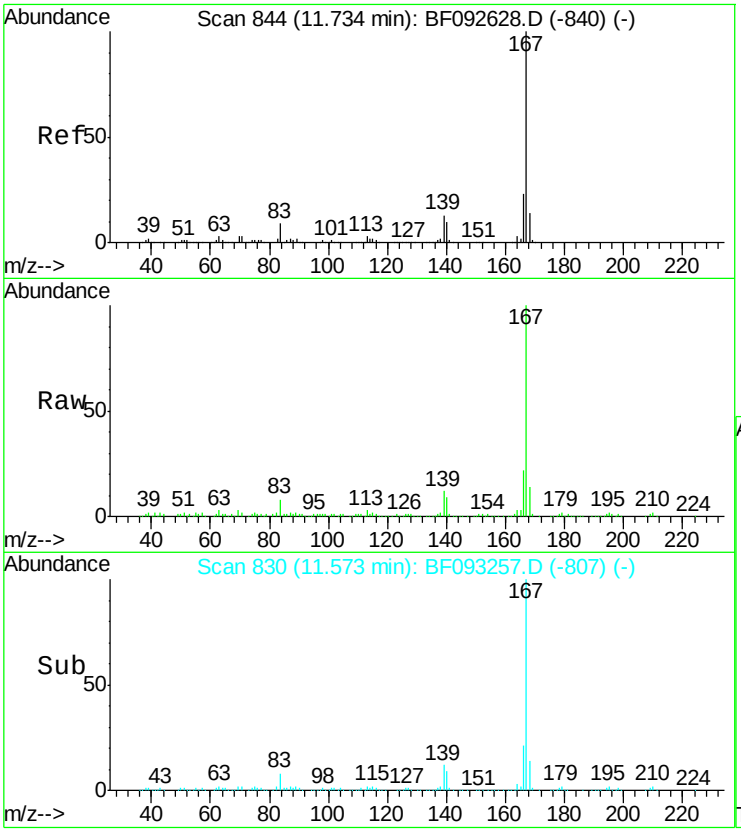


#71
Anthracene
Concen: 16.77 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:178 Resp: 290201

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	15.0	13.2	19.8

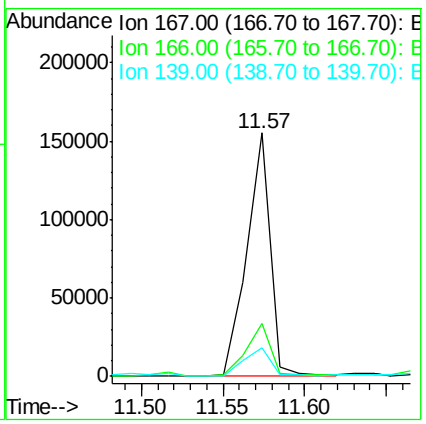




#72
Carbazole
Concen: 9.25 ng
RT: 11.57 min Scan# 830
Delta R.T. -0.03 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:167 Resp: 153081

Ion	Ratio	Lower	Upper
167	100		
166	21.5	18.2	27.2
139	11.8	11.4	17.2



Instrument :
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ClientSampleId :
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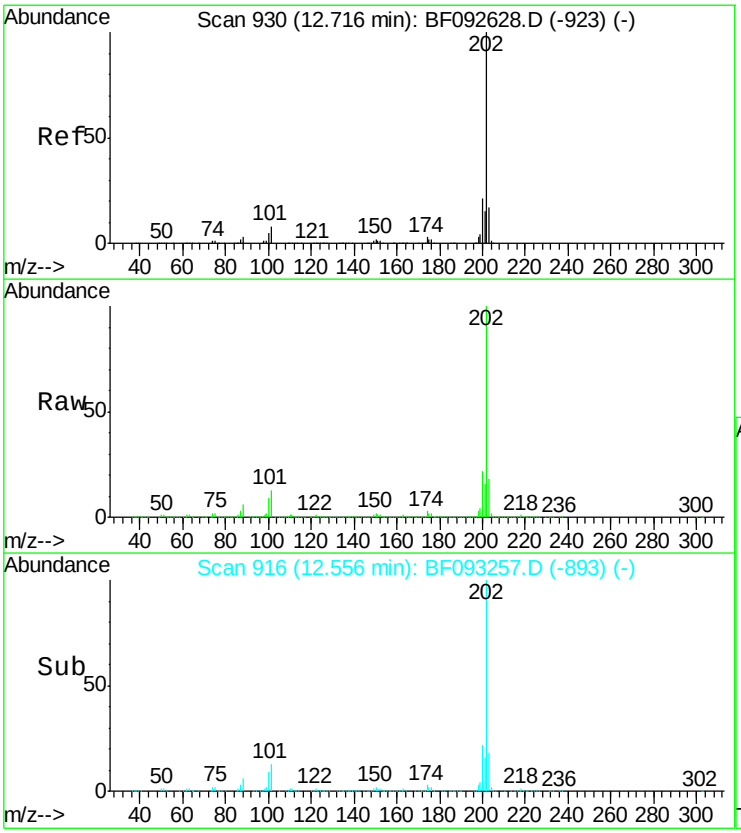
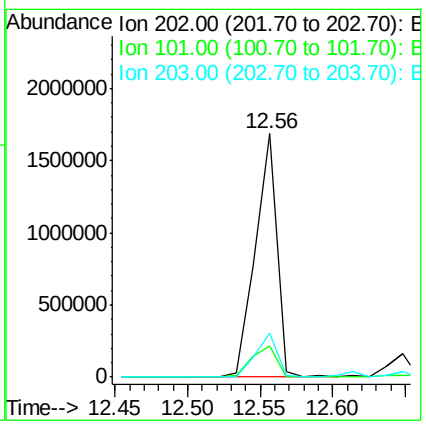
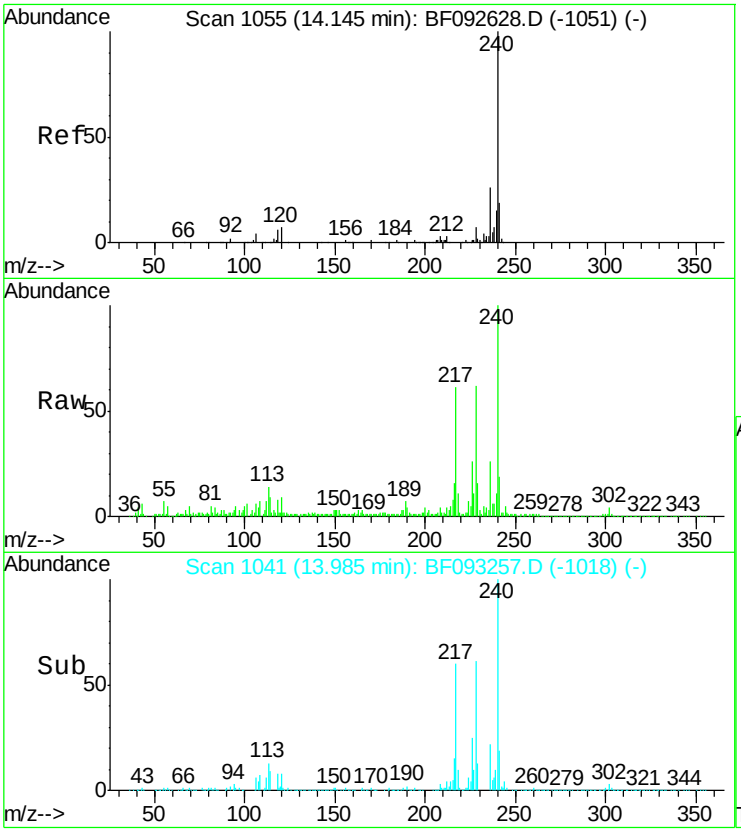


#74
Fluoranthene
Concen: 97.88 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.03 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:202 Resp: 1740152

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.6
203	17.9	0.0	38.7

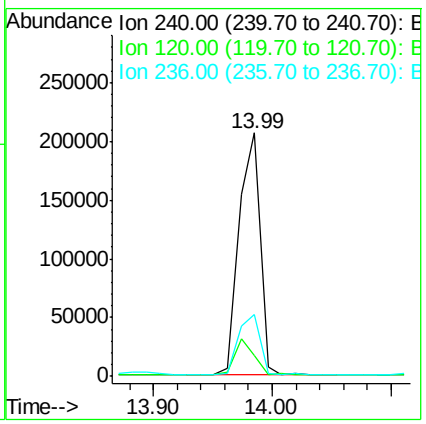




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:240 Resp: 258191

Ion	Ratio	Lower	Upper
240	100		
120	8.7	12.9	19.3#
236	25.7	20.9	31.3



Instrument :
BNA_F
ClientSampleId :
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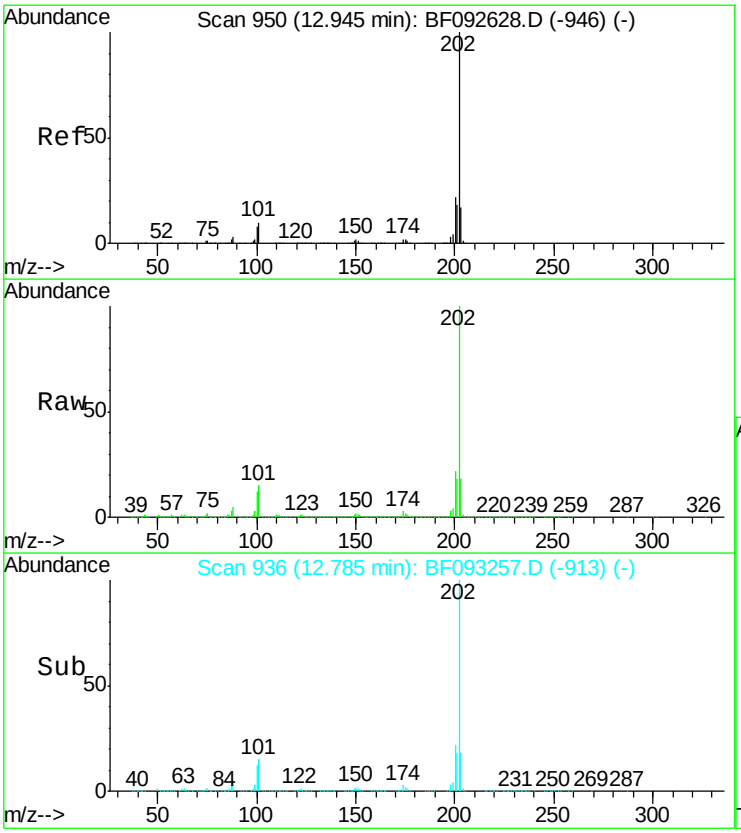
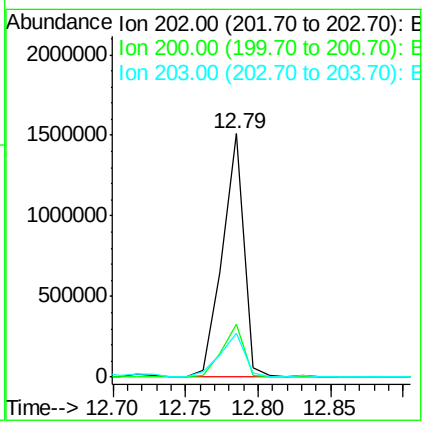
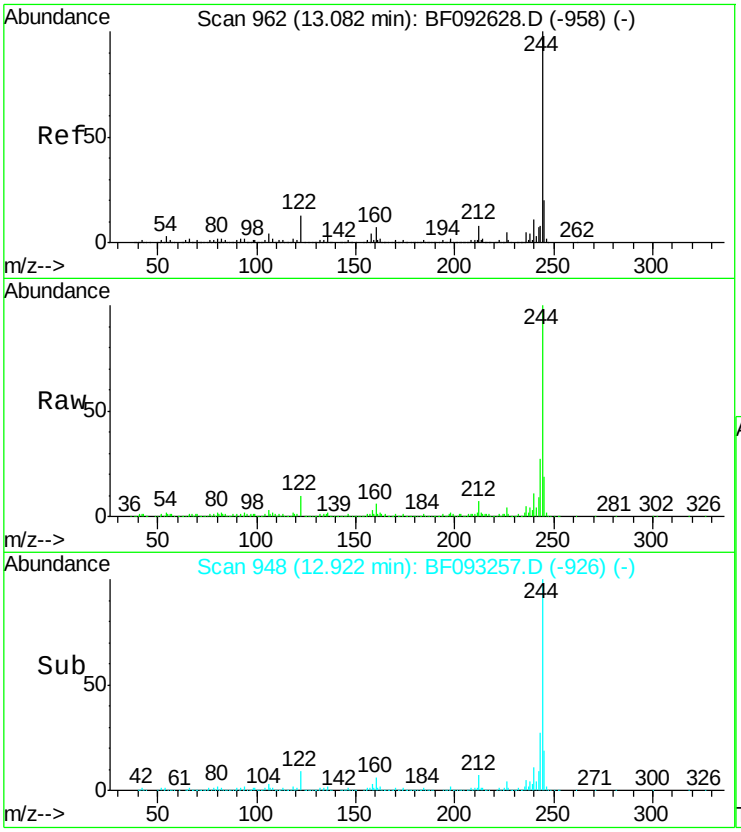


#77
Pyrene
Concen: 80.20 ng
RT: 12.79 min Scan# 936
Delta R.T. -0.03 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:202 Resp: 1549686

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.7	26.5
203	18.1	14.7	22.1

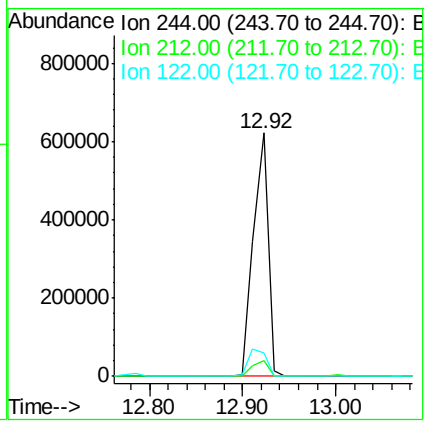




#78
Terphenyl-d14
Concen: 61.81 ng
RT: 12.92 min Scan# 948
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:244 Resp: 679187

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.2	9.2
122	9.6	11.4	17.2#



Instrument :
BNA_F
ClientSampleId :
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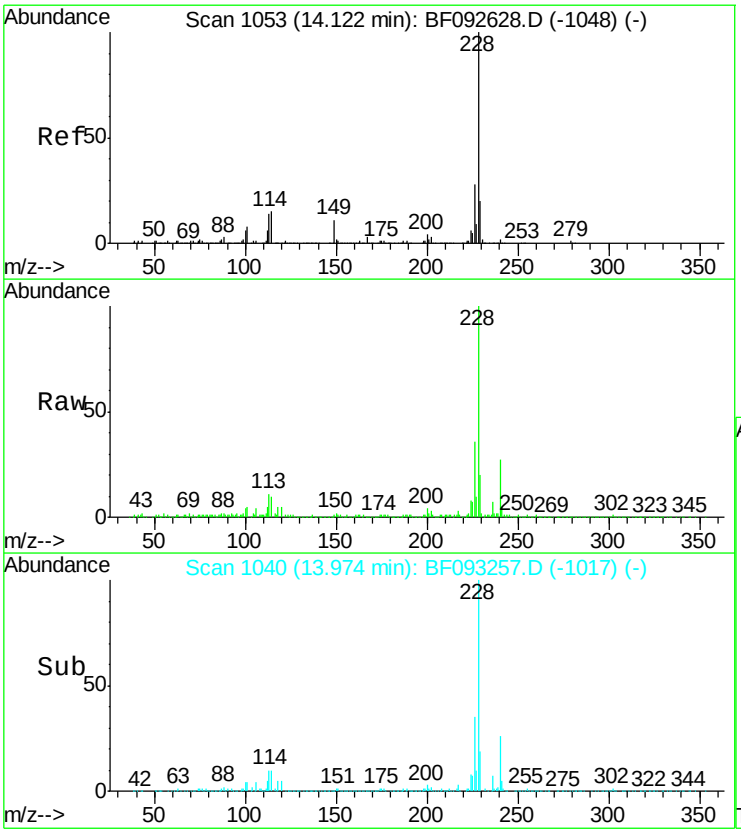
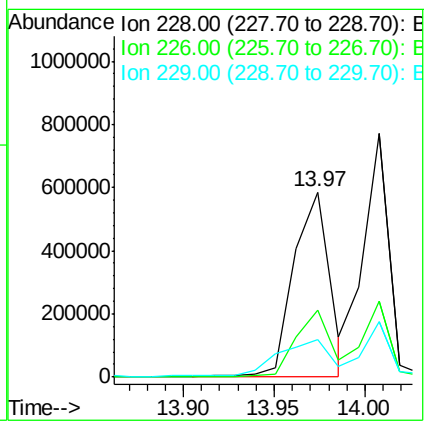
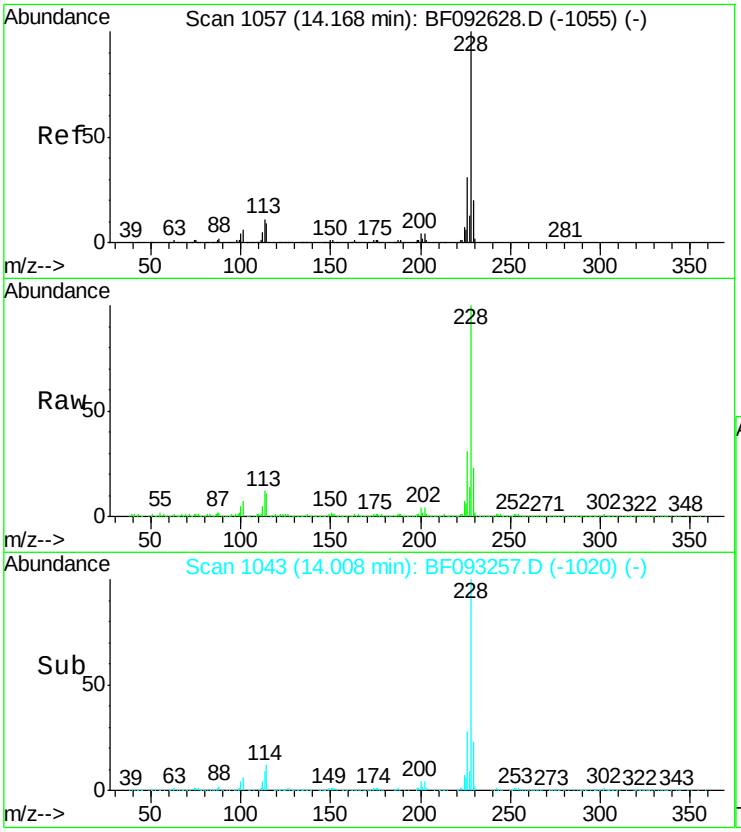


#80
Benzo(a)anthracene
Concen: 50.68 ng m
RT: 13.97 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:228 Resp: 800258

Ion	Ratio	Lower	Upper
228	100		
226	35.9	22.4	33.6#
229	20.4	16.2	24.4

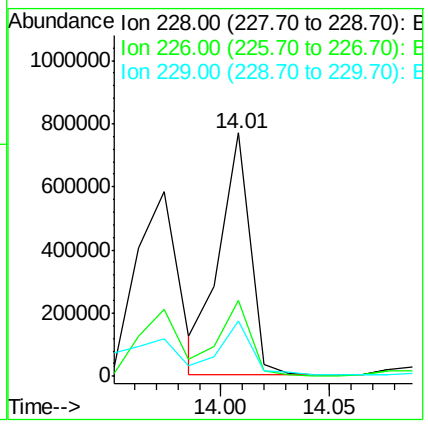




#82
Chrysene
Concen: 50.57 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:228 Resp: 747625

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.4	38.0
229	22.7	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
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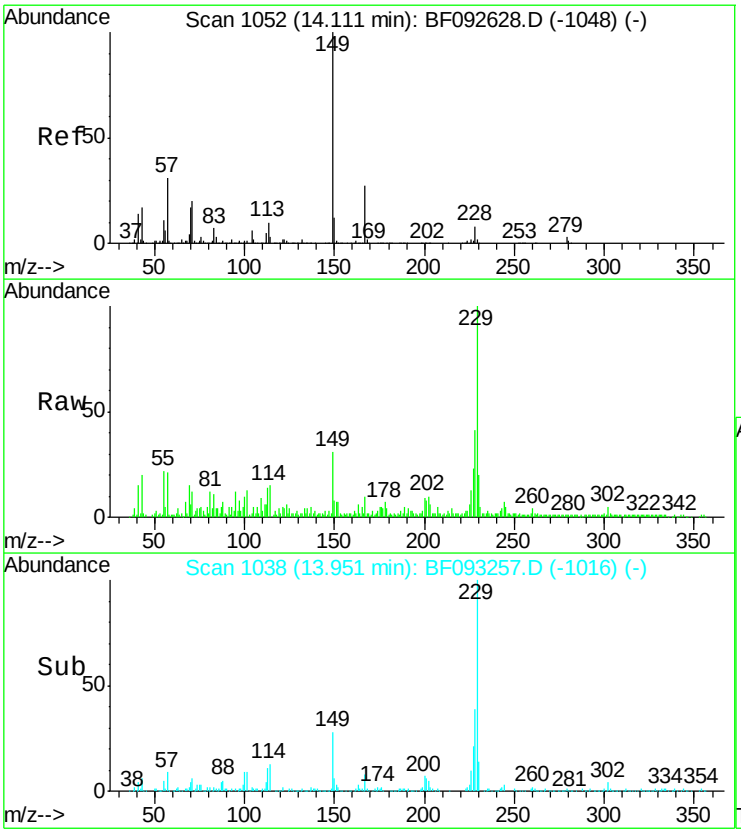
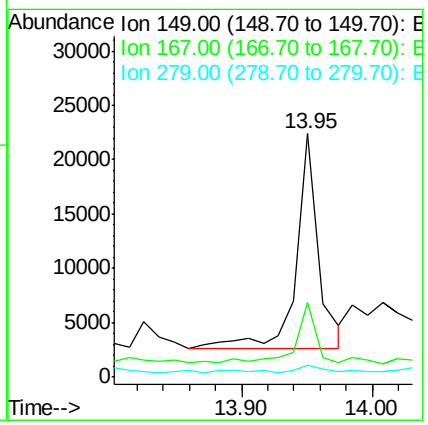
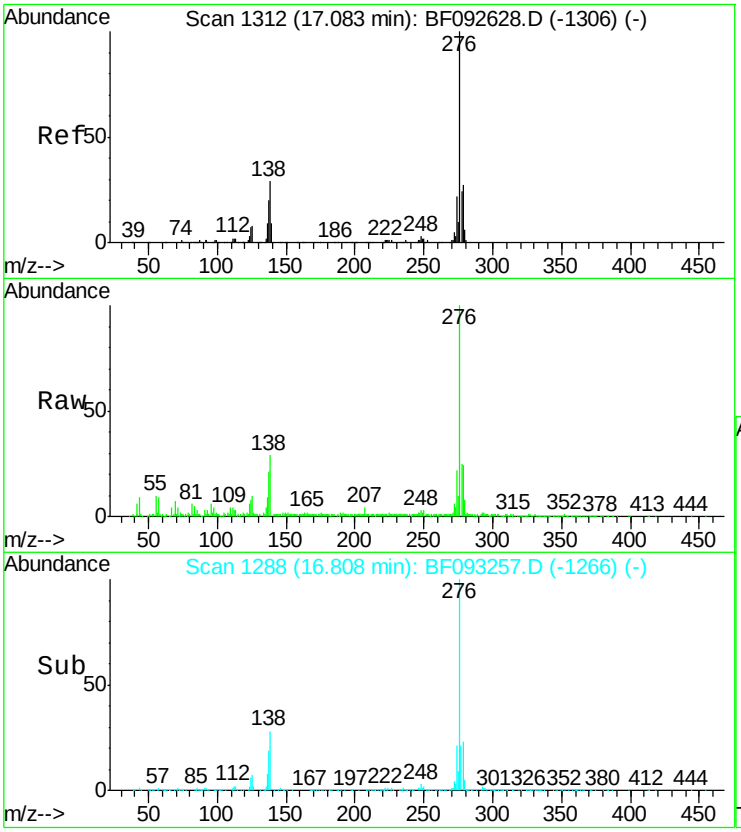


#83
Bis(2-ethylhexyl)phthalate
Concen: 2.21 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:149 Resp: 23755

Ion	Ratio	Lower	Upper
149	100		
167	30.9	20.2	30.4#
279	4.8	1.8	2.8#

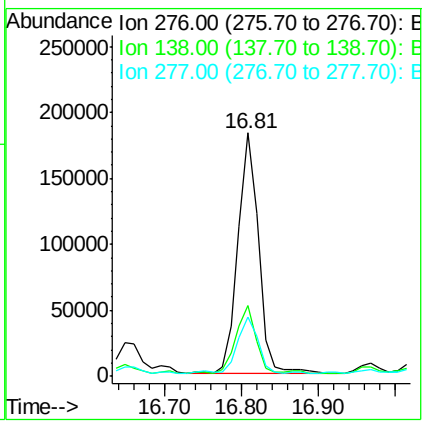




#85
Indeno(1,2,3-cd)pyrene
Concen: 30.31 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.05 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:276 Resp: 347157

Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.8	32.6
277	23.7	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227

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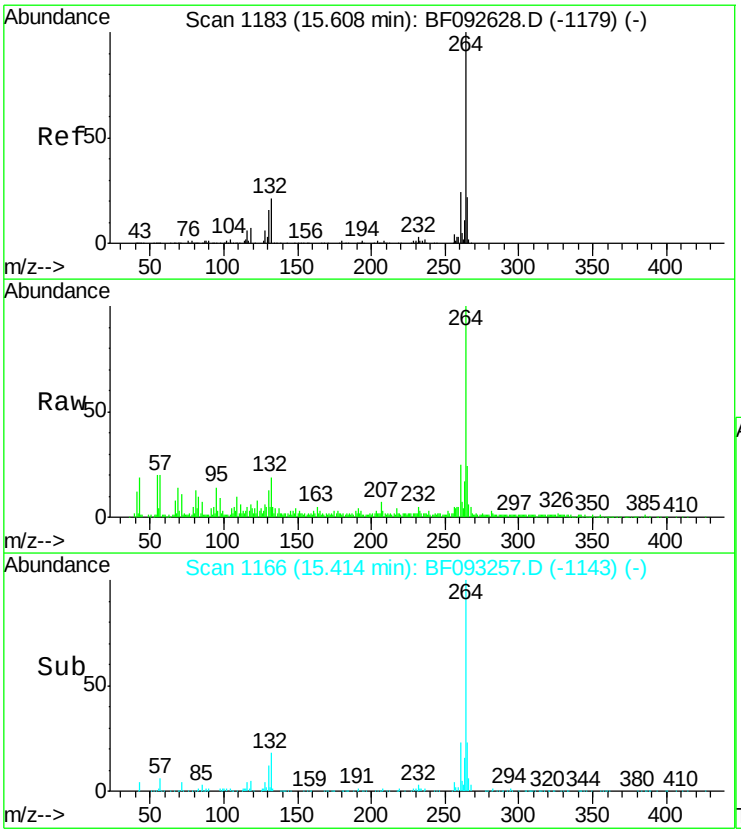
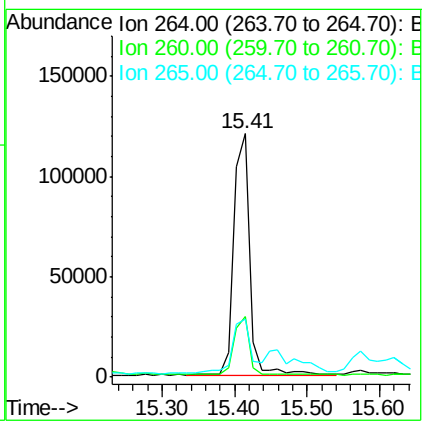
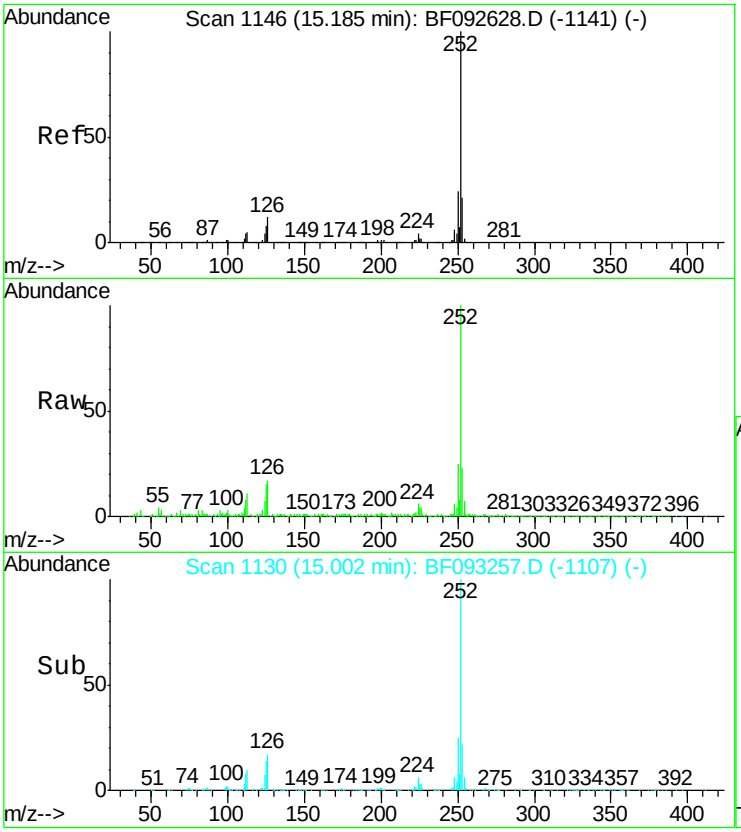


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:264 Resp: 182354

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

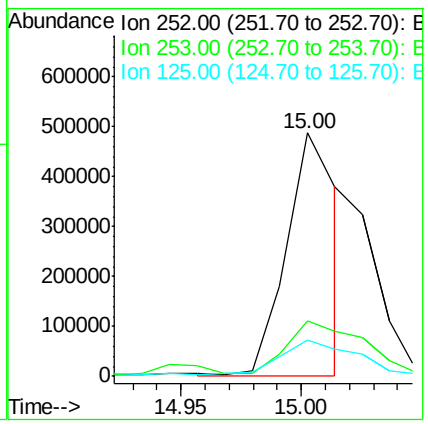




#87
Benzo(b)fluoranthene
Concen: 60.76 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:252 Resp: 729241

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	14.8	9.8	14.6#



Instrument :
BNA_F
ClientSampleId :
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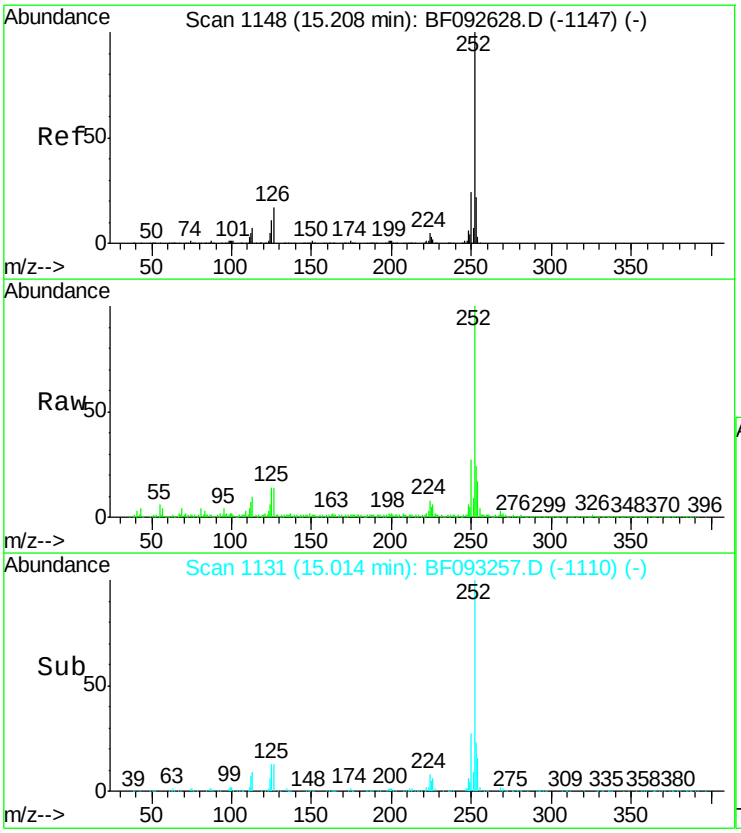
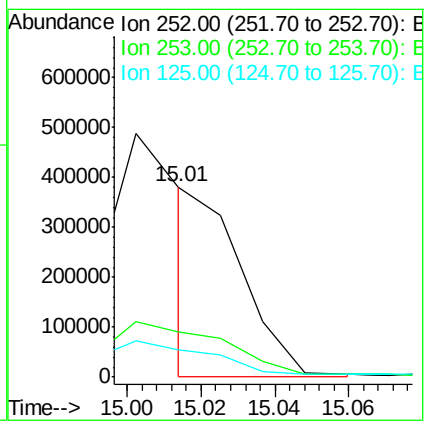
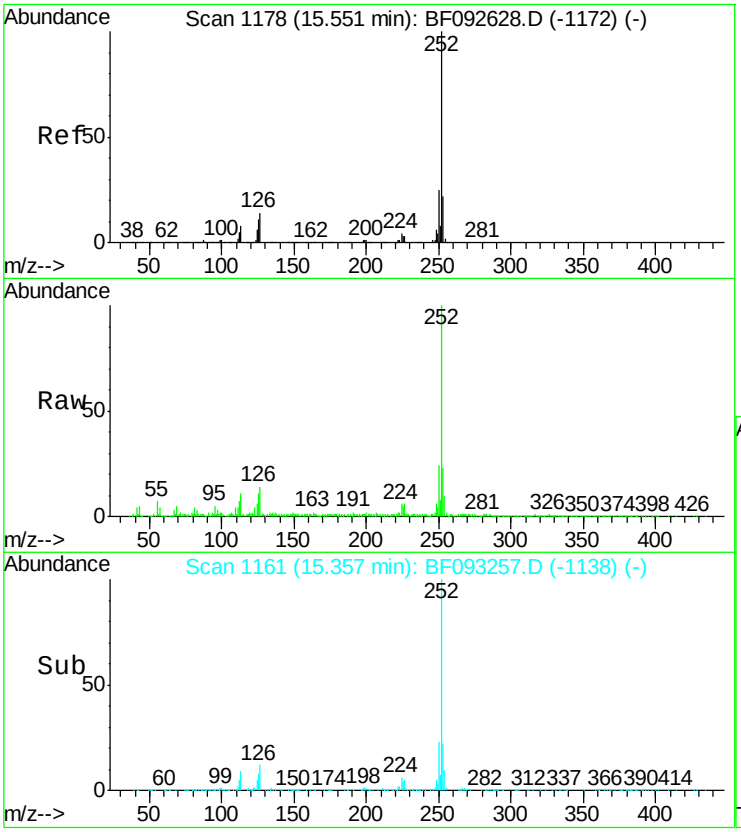


#88
Benzo(k)fluoranthene
Concen: 29.66 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:252 Resp: 307403

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.5	27.7
125	14.2	8.9	13.3#

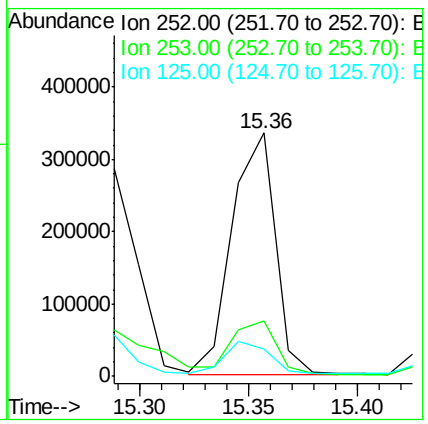




#89
Benzo(a)pyrene
Concen: 44.43 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:252 Resp: 461258

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	11.4	10.0	15.0



Instrument :
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ClientSampleId :
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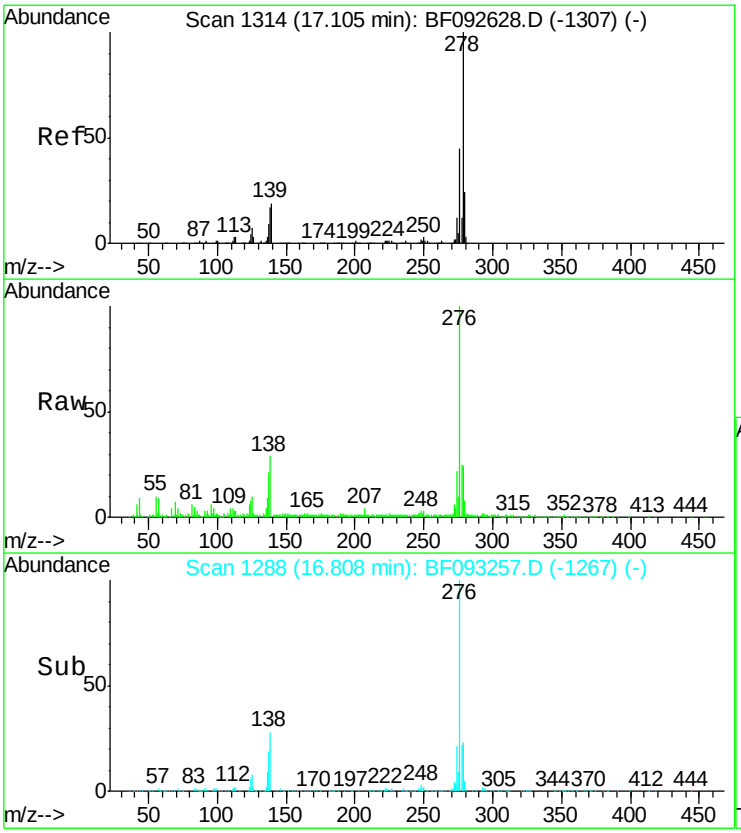
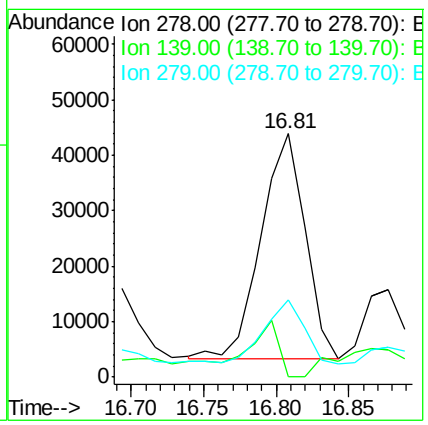
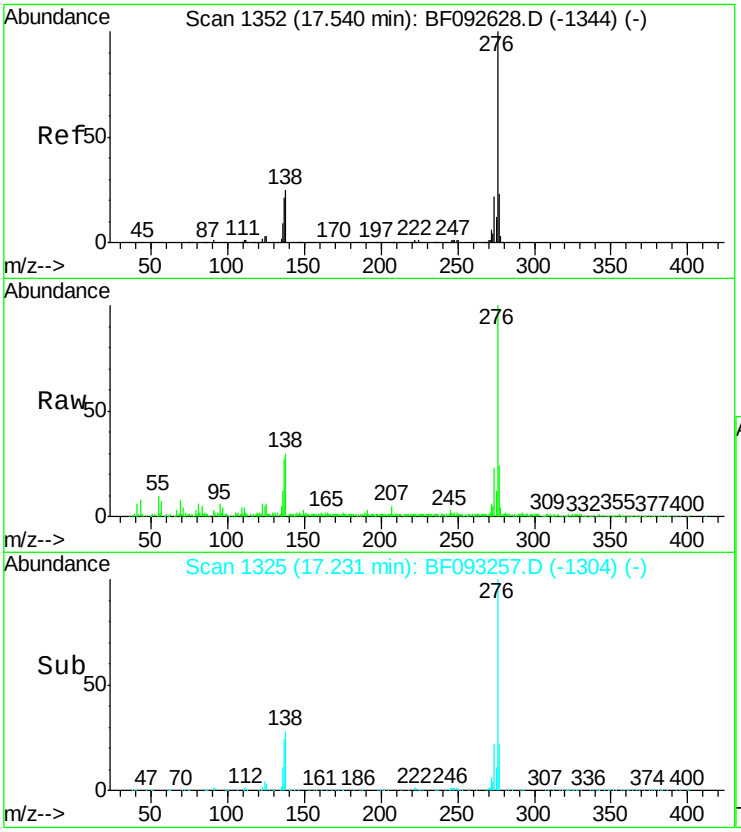


#90
Dibenzo(a,h)anthracene
Concen: 10.22 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.06 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:278 Resp: 85727

Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	31.6	19.8	29.6#

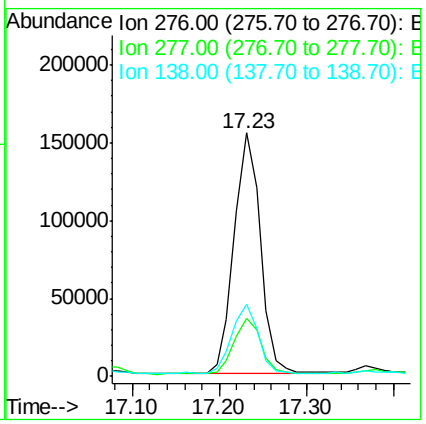




#91
Benzo(g,h,i)perylene
Concen: 38.72 ng
RT: 17.23 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF093257.D
Acq: 28 Feb 2017 19:15

Tgt Ion:276 Resp: 328190

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	29.5	16.0	24.0#



Instrument :
BNA_F
ClientSampleId :
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