Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091037.D
Acq On : 4 Nov 2016 22:57
Operator : UM/SJ
Sample : H5526-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103-1.0-2.0

Manual Integrations APPROVED
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Quant Time: Nov 07 05:03:59 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 11:03:12 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	209439	20.00	ng		0.00
21) Naphthalene-d8	7.98	136	807497	20.00	ng		-0.01
38) Acenaphthene-d10	9.74	164	407740	20.00	ng		0.00
63) Phenanthrene-d10	11.22	188	496037	20.00	ng		-0.01
75) Chrysene-d12	13.86	240	440917	20.00	ng		0.00
86) Perylene-d12	15.25	264	381949	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.31	112	1565269	123.43	ng		0.02
7) Phenol-d6	6.36	99	1862219	108.19	ng		0.01
23) Nitrobenzene-d5	7.28	82	1379201	93.17	ng		0.00
41) 2,4,6-Tribromophenol	10.53	330	383577	104.06	ng		0.00
44) 2-Fluorobiphenyl	9.07	172	1776247	75.00	ng		0.00
78) Terphenyl-d14	12.81	244	1445447	81.81	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.37	94	45794	2.40	ng	#	54
31) Naphthalene	8.01	128	135614	3.51	ng		99
48) Acenaphthylene	9.61	152	75199	2.13	ng		99
49) Dimethylphthalate	9.47	163	584731	21.87	ng		99
51) Acenaphthene	9.78	154	68703	3.11	ng		98
54) Dibenzofuran	9.95	168	62185	2.09	ng		92
57) Fluorene	10.28	166	72795	2.99	ng	#	99
70) Phenanthrene	11.25	178	1289719	48.91	ng		99
71) Anthracene	11.30	178	294275	10.50	ng		98
72) Carbazole	11.46	167	113113	4.48	ng		98
73) Di-n-butylphthalate	11.79	149	181401	5.71	ng	#	99
74) Fluoranthene	12.44	202	1911048	69.88	ng		90
77) Pyrene	12.66	202	1568980	54.34	ng		98
80) Benzo(a)anthracene	13.85	228	1025403	40.96	ng		98
82) Chrysene	13.88	228	779843m	31.59	ng		
83) Bis(2-ethylhexyl)phthalate	13.85	149	79191	4.24	ng	#	97
85) Indeno(1,2,3-cd)pyrene	16.57	276	376293	18.37	ng	#	93
87) Benzo(b)fluoranthene	14.87	252	1336113m	51.58	ng		
88) Benzo(k)fluoranthene	14.89	252	140925m	6.20	ng		
89) Benzo(a)pyrene	15.20	252	694048	30.78	ng	#	95
90) Dibenzo(a,h)anthracene	16.57	278	98637m	5.06	ng		
91) Benzo(g,h,i)perylene	16.97	276	325453	18.46	ng		97

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

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QLast Update : Fri Nov 04 11:03:12 2016
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Instrument :
BNA_F
ClientSampleId :
SB-103-1.0-2.0

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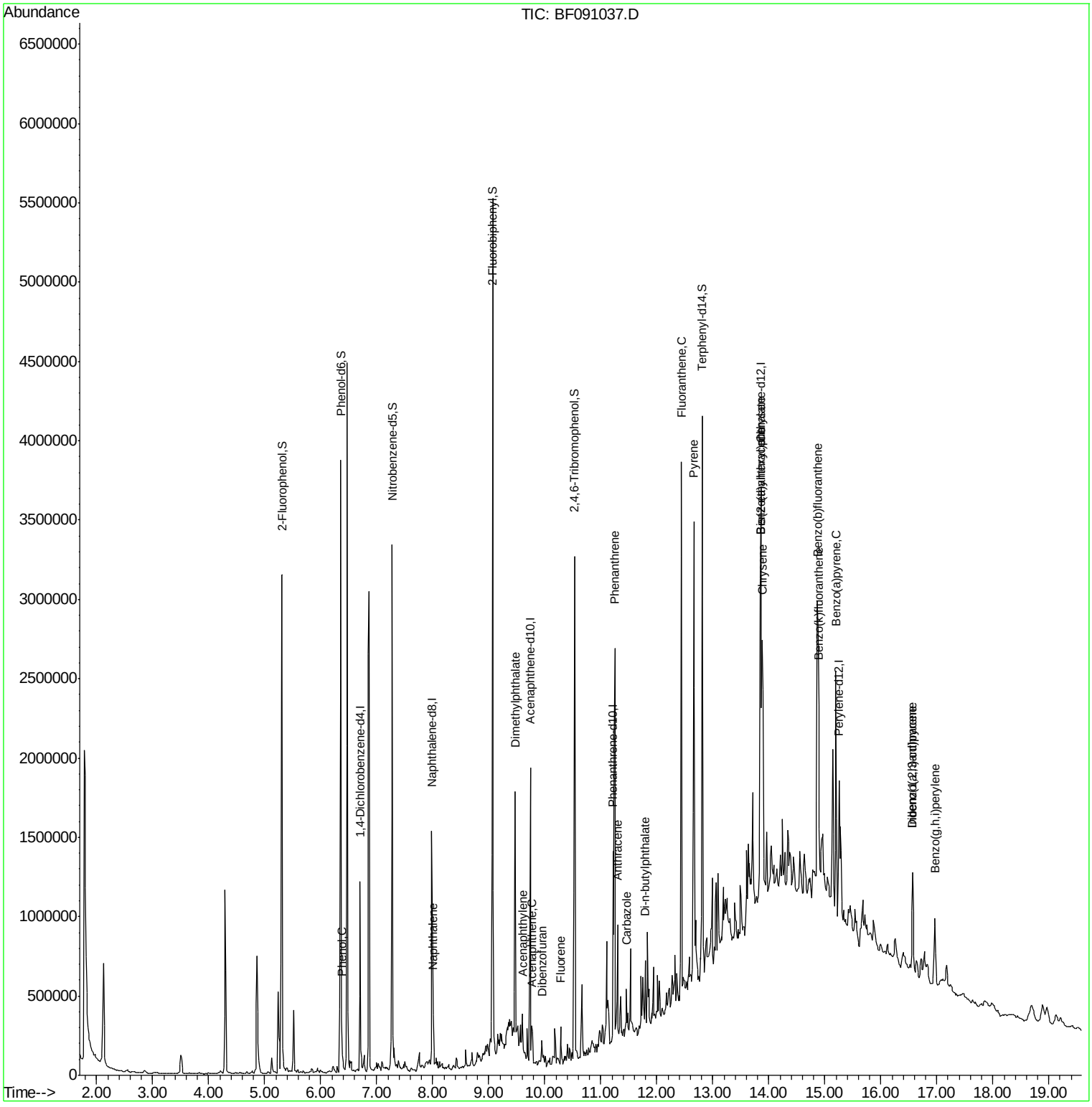
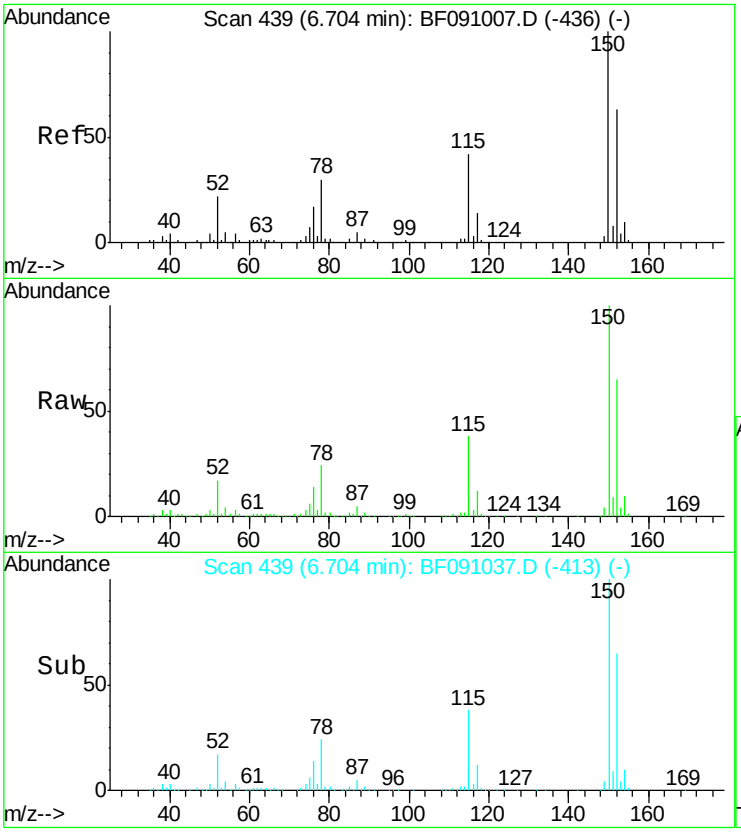
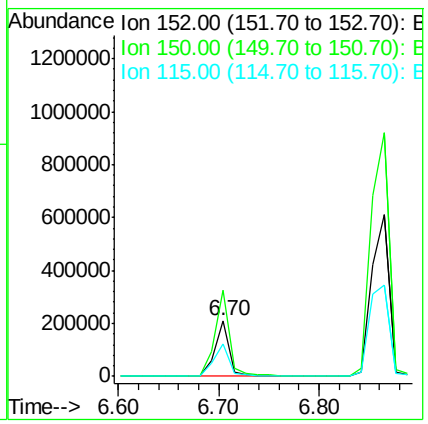




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 439
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:152 Resp: 209439

Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.8	190.2
115	59.0	53.3	79.9



Instrument :
BNA_F
ClientSampleId :
SB-103-1.0-2.0

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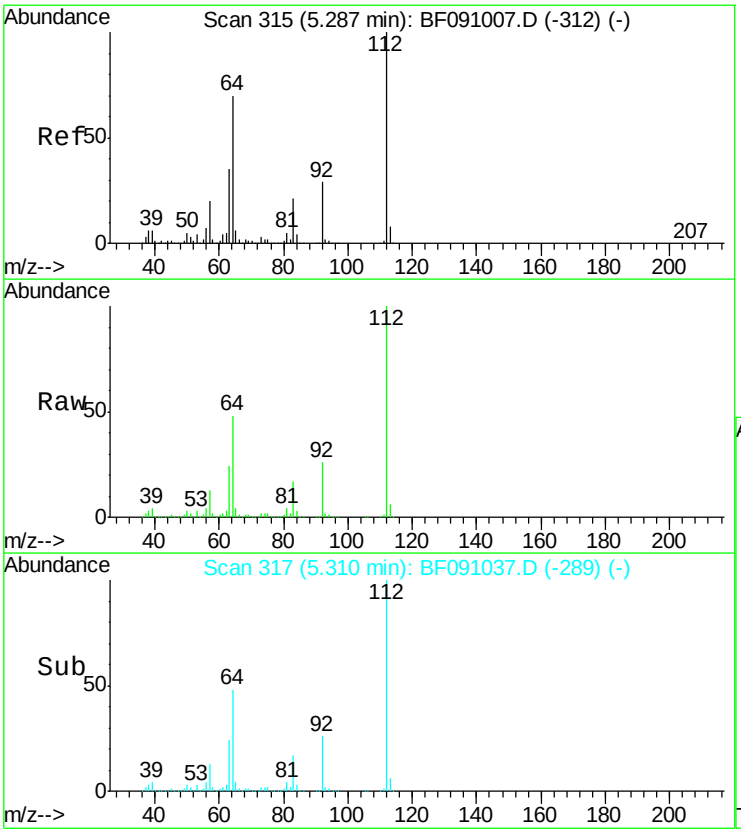
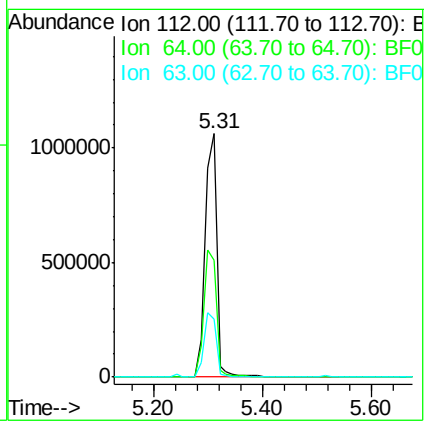
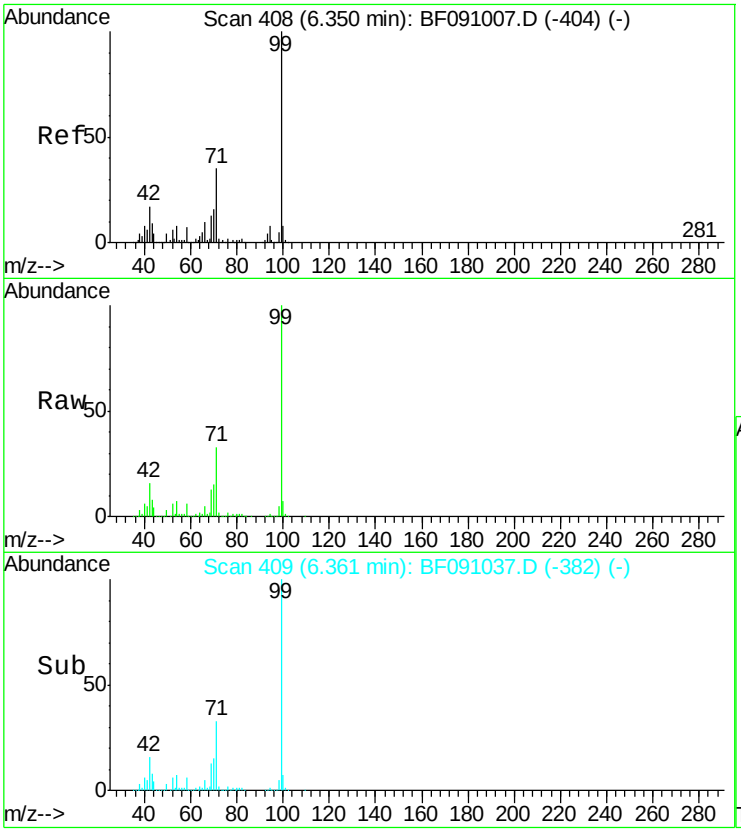


#5
2-Fluorophenol
Concen: 123.43 ng
RT: 5.31 min Scan# 317
Delta R.T. 0.02 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:112 Resp: 1565269

Ion	Ratio	Lower	Upper
112	100		
64	48.1	55.8	83.6#
63	23.6	28.0	42.0#

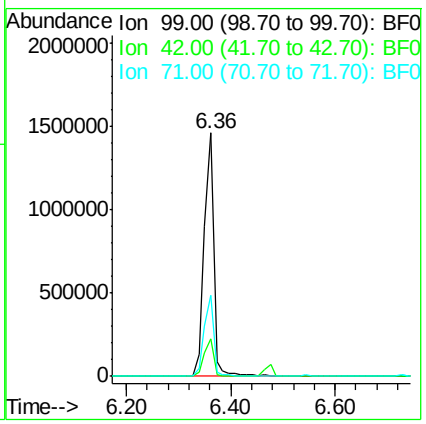




#7
Phenol-d6
Concen: 108.19 ng
RT: 6.36 min Scan# 409
Delta R.T. 0.01 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion: 99 Resp: 1862219

Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.9	20.9
71	33.1	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
SB-103-1.0-2.0

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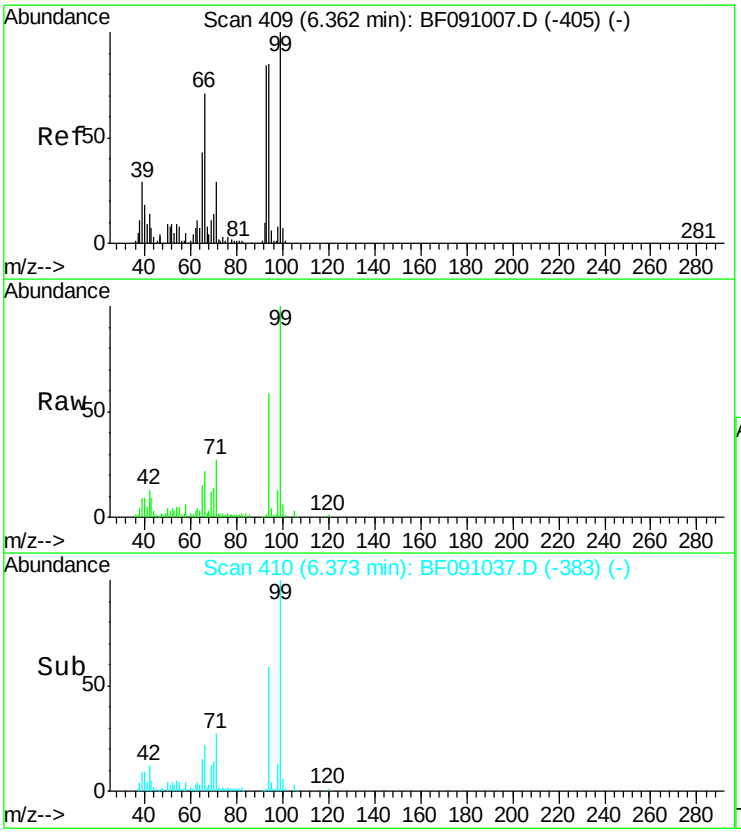
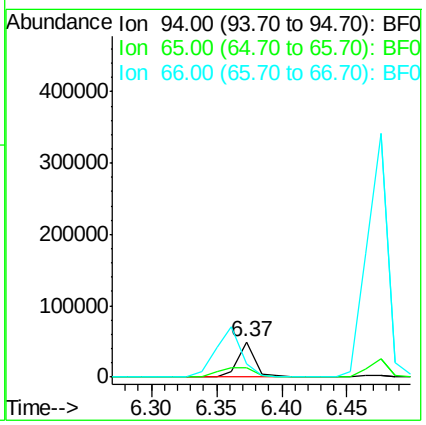
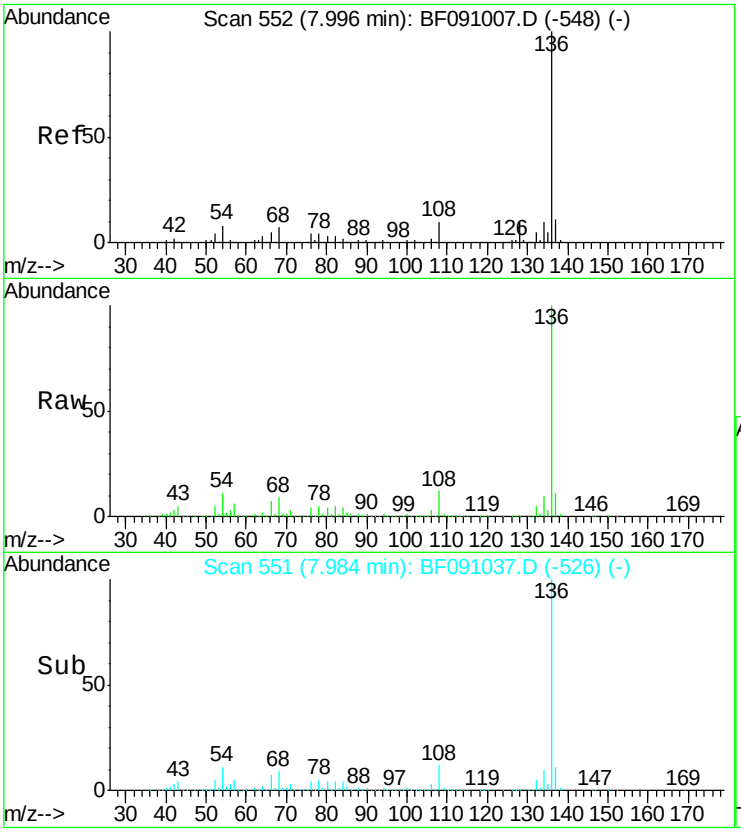


#10
Phenol
Concen: 2.40 ng
RT: 6.37 min Scan# 410
Delta R.T. 0.01 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion: 94 Resp: 45794

Ion	Ratio	Lower	Upper
94	100		
65	25.4	30.4	70.4#
66	36.4	62.9	102.9#

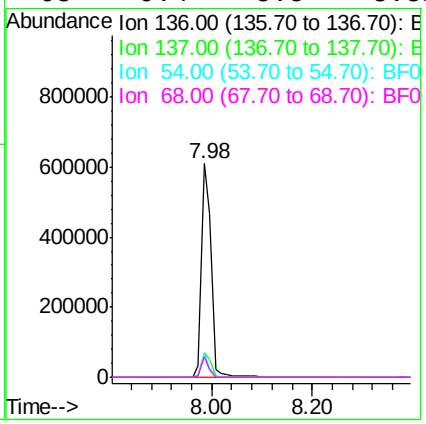




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:136 Resp: 807497

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	11.4	6.2	9.2#
68	9.4	5.5	8.3#



Instrument :
BNA_F
ClientSampleId :
SB-103-1.0-2.0

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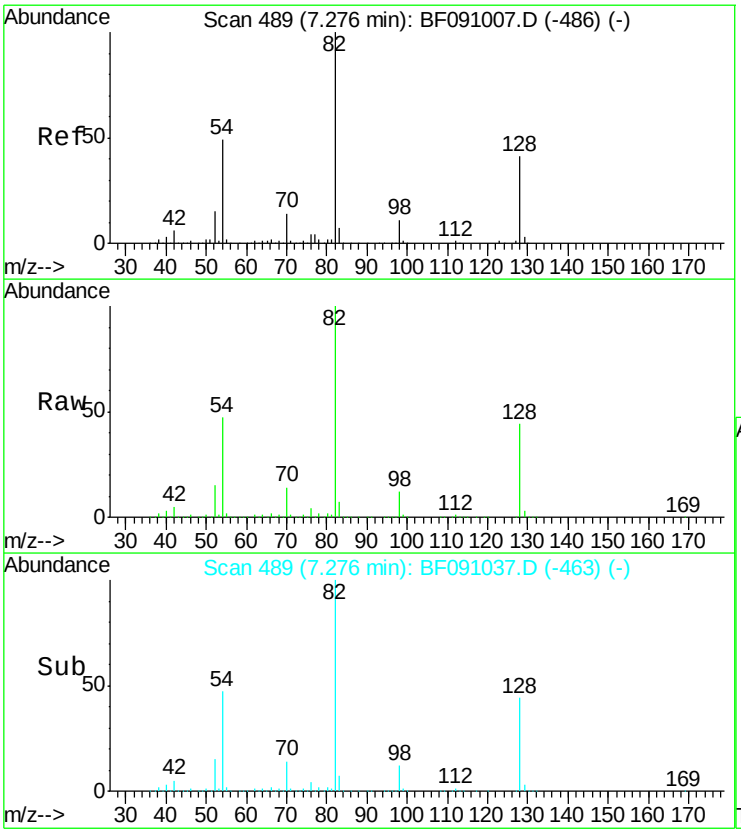
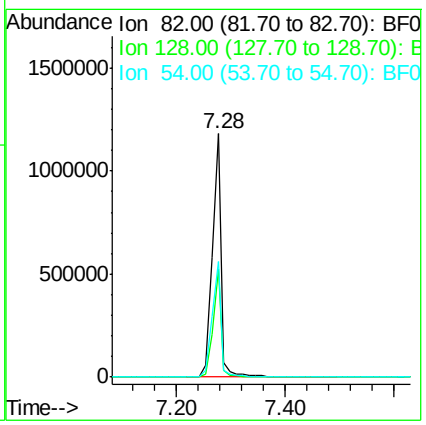
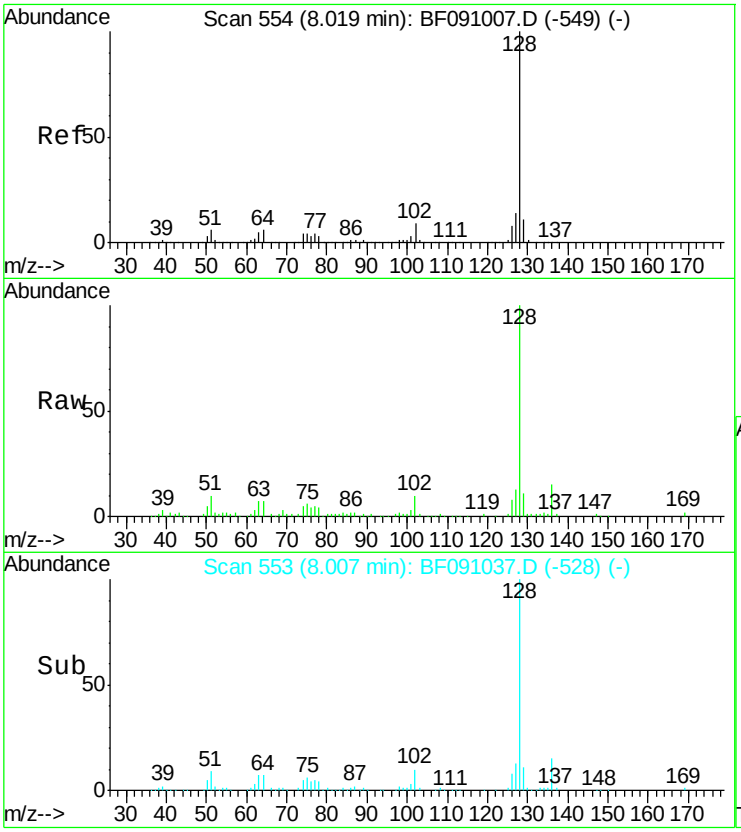


#23
Nitrobenzene-d5
Concen: 93.17 ng
RT: 7.28 min Scan# 489
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion: 82 Resp: 1379201

Ion	Ratio	Lower	Upper
82	100		
128	44.2	32.4	48.6
54	47.4	39.2	58.8

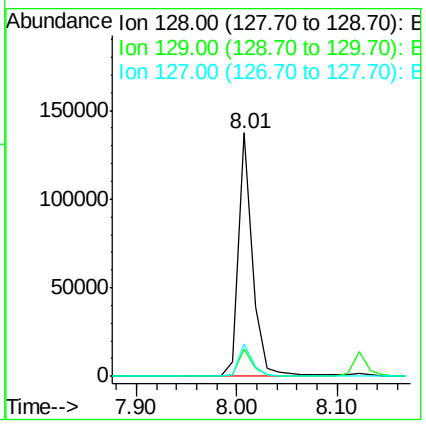




#31
Naphthalene
Concen: 3.51 ng
RT: 8.01 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:128 Resp: 135614

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.3	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
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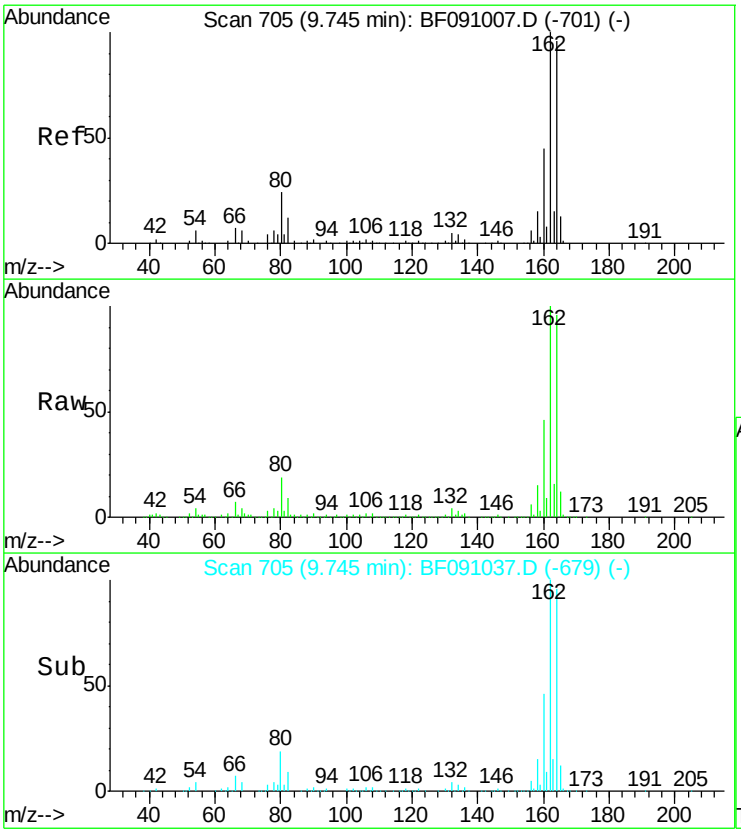
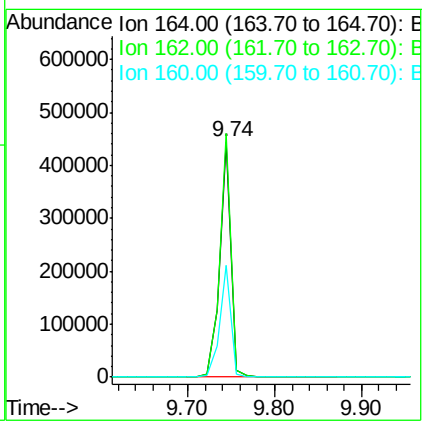
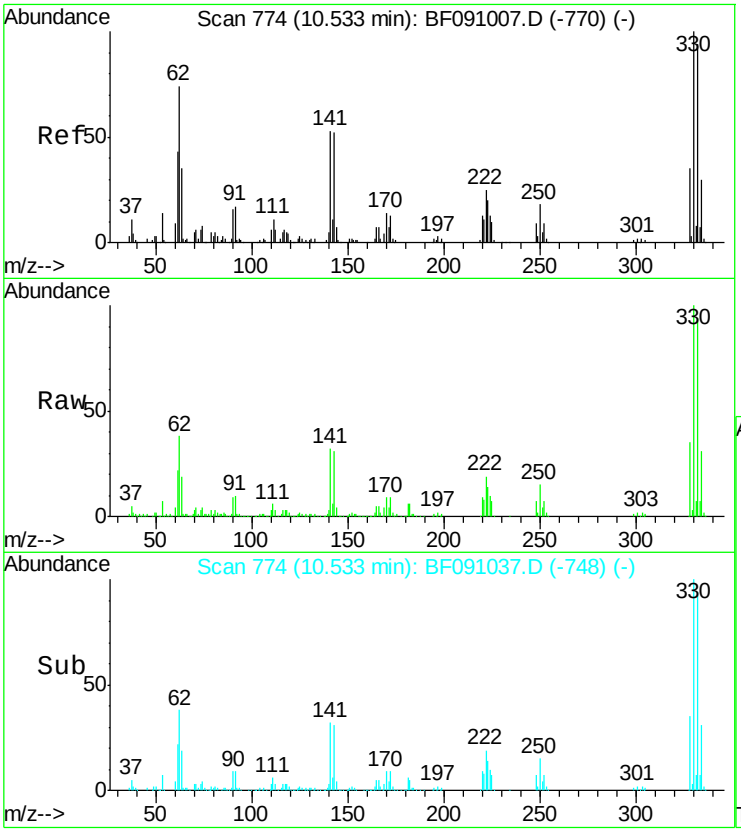


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 705
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:164 Resp: 407740

Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.6	125.4
160	47.5	37.9	56.9

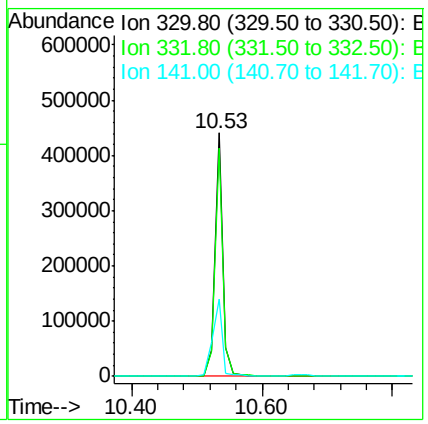




#41
2,4,6-Tribromophenol
Concen: 104.06 ng
RT: 10.53 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:330 Resp: 383577

Ion	Ratio	Lower	Upper
330	100		
332	94.6	75.9	113.9
141	38.8	36.1	54.1



Instrument :
BNA_F
ClientSampleId :
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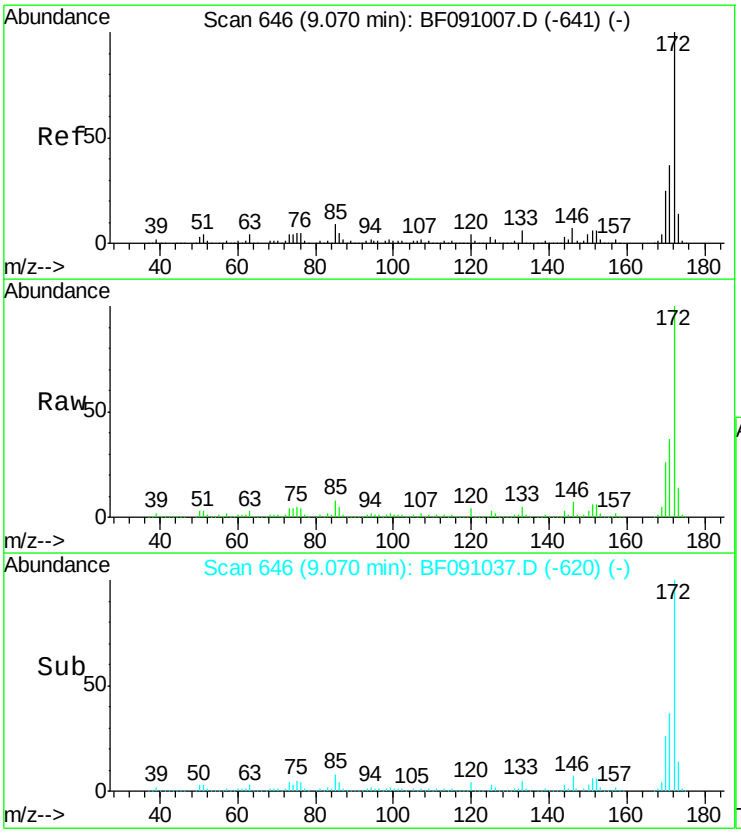
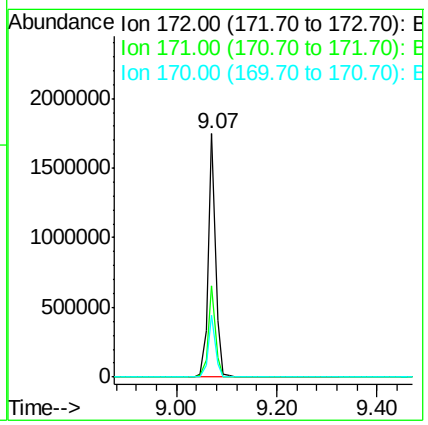
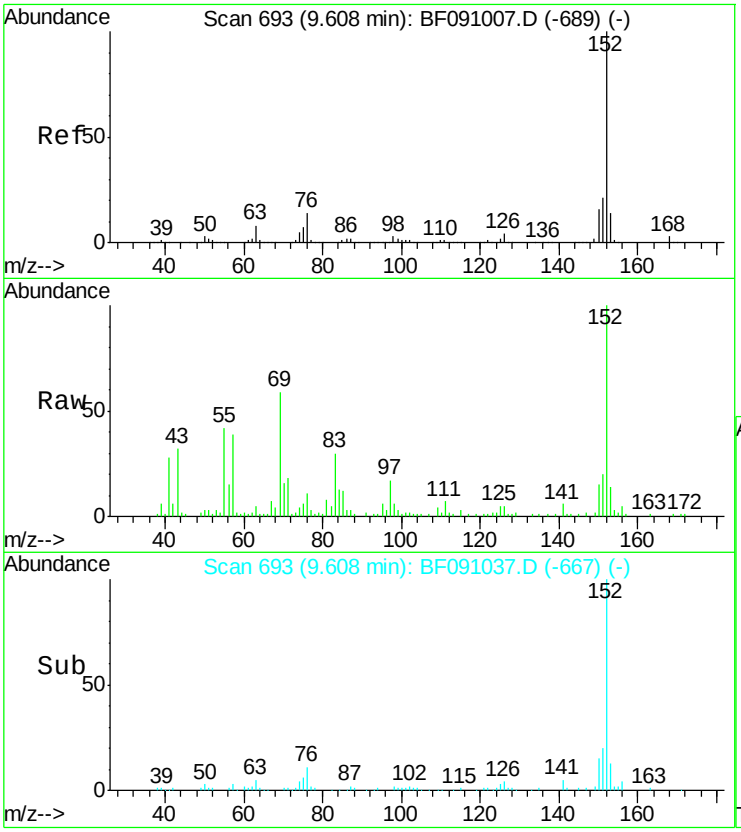


#44
2-Fluorobiphenyl
Concen: 75.00 ng
RT: 9.07 min Scan# 646
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:172 Resp: 1776247

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.8	44.6
170	25.6	20.3	30.5

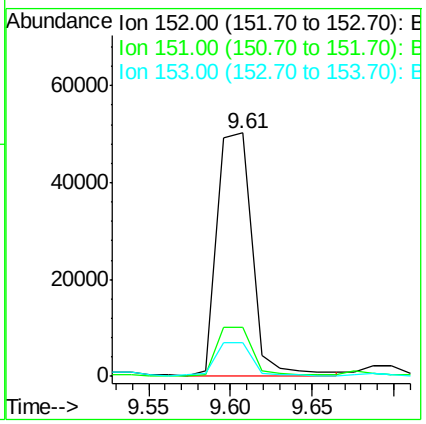




#48
Acenaphthylene
Concen: 2.13 ng
RT: 9.61 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:152 Resp: 75199

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.7	25.1
153	13.6	11.1	16.7



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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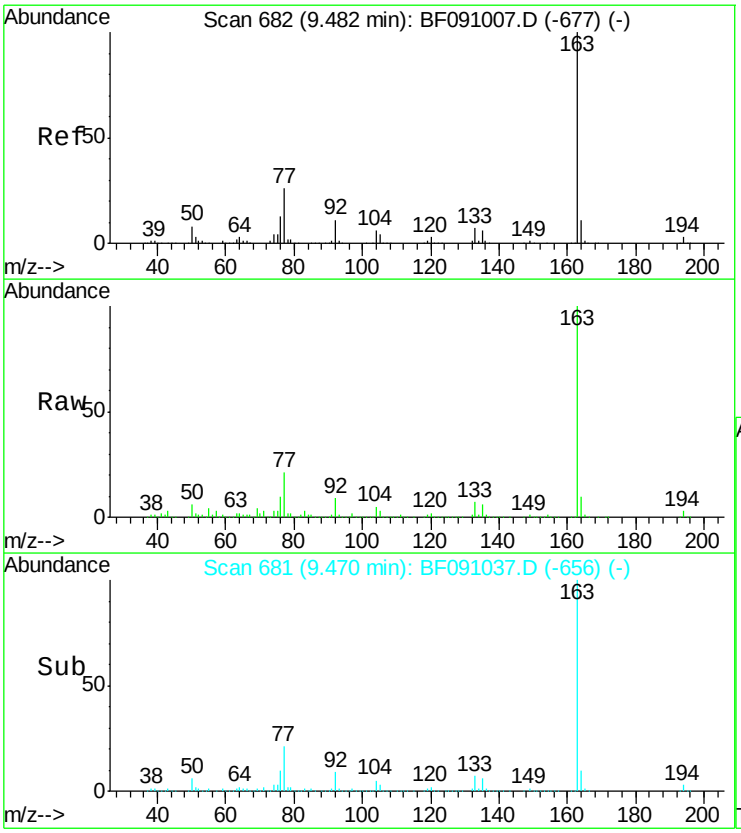
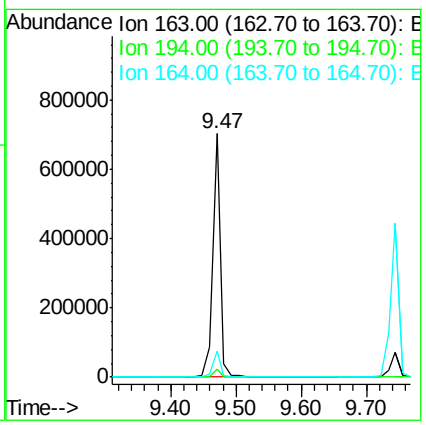
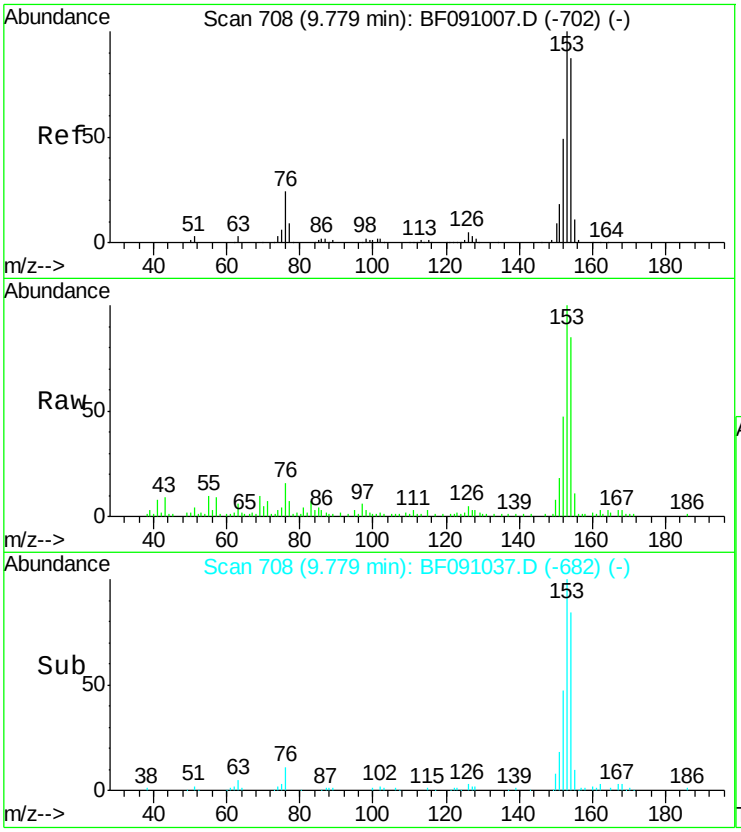


#49
Dimethylphthalate
Concen: 21.87 ng
RT: 9.47 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:163 Resp: 584731

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.5	8.7	13.1

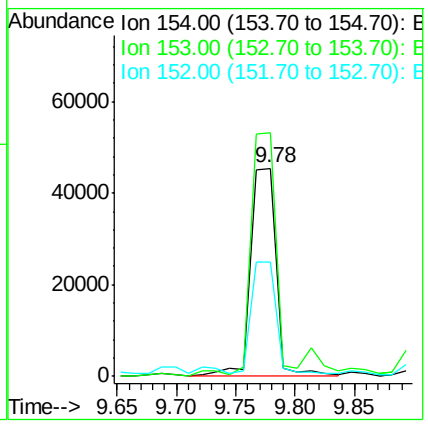




#51
Acenaphthene
Concen: 3.11 ng
RT: 9.78 min Scan# 708
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:154 Resp: 68703

Ion	Ratio	Lower	Upper
154	100		
153	117.0	91.6	137.4
152	55.0	44.6	67.0



Instrument :
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ClientSampleId :
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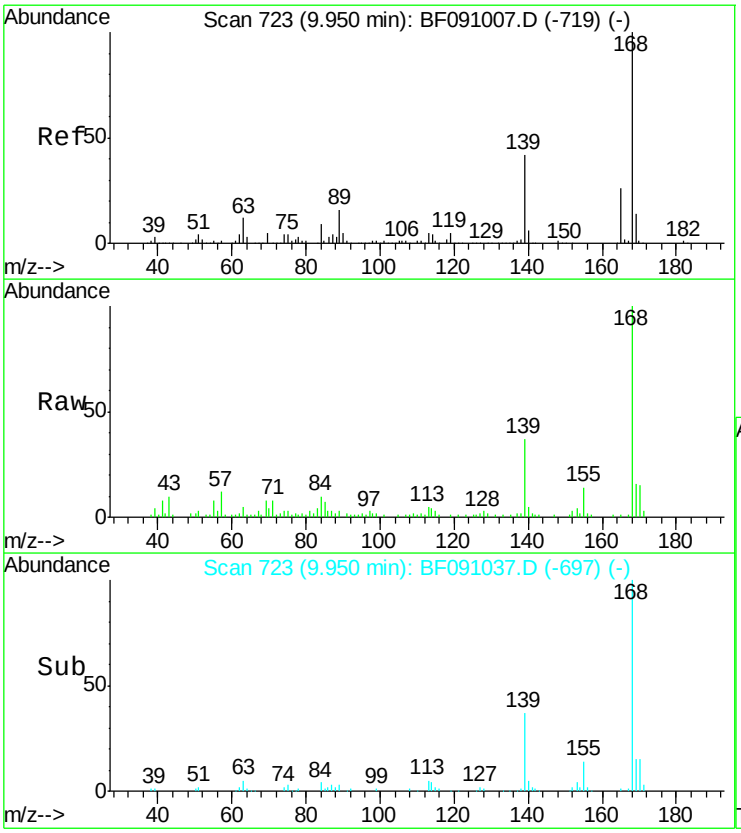
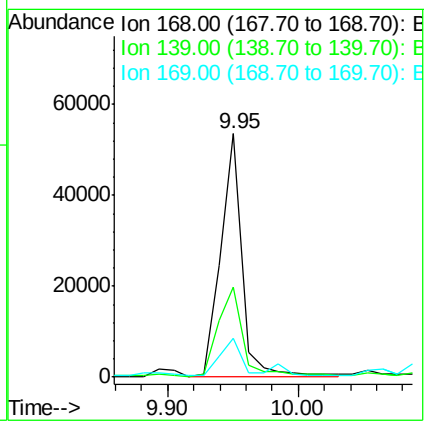
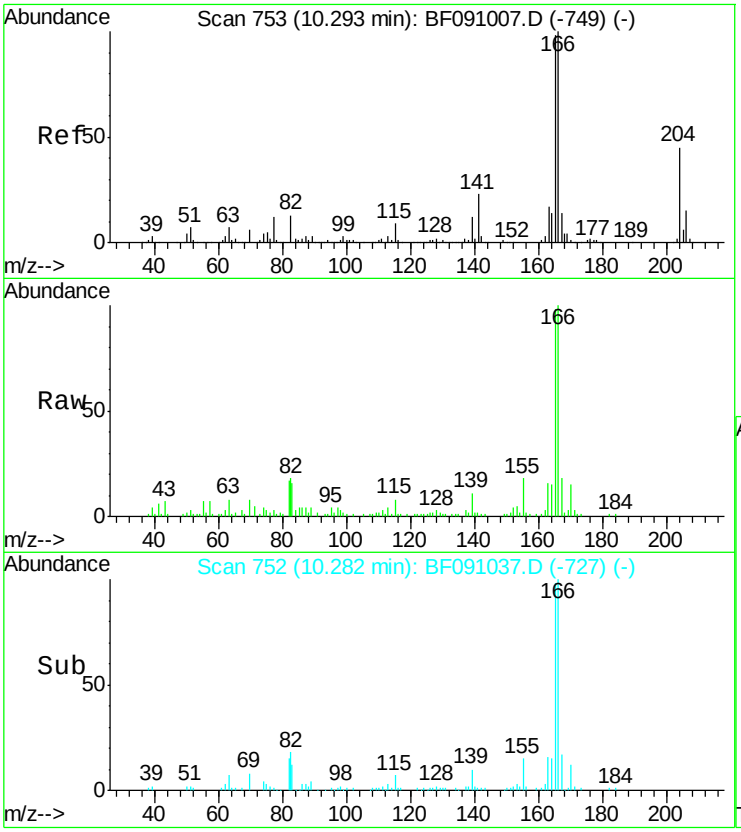


#54
Dibenzofuran
Concen: 2.09 ng
RT: 9.95 min Scan# 723
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:168 Resp: 62185

Ion	Ratio	Lower	Upper
168	100		
139	37.2	34.8	52.2
169	15.9	11.4	17.2

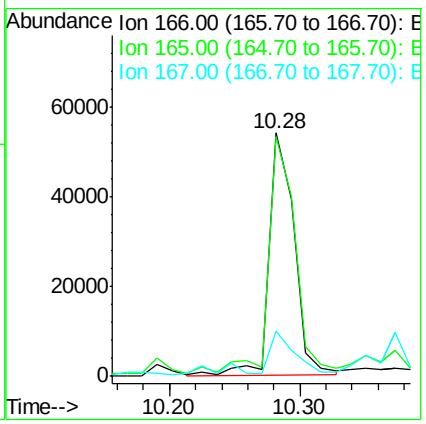




#57
Fluorene
Concen: 2.99 ng
RT: 10.28 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:166 Resp: 72795

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.6	118.0
167	18.5	11.1	16.7#



Instrument :
BNA_F
ClientSampleId :
SB-103-1.0-2.0

Manual Integrations APPROVED
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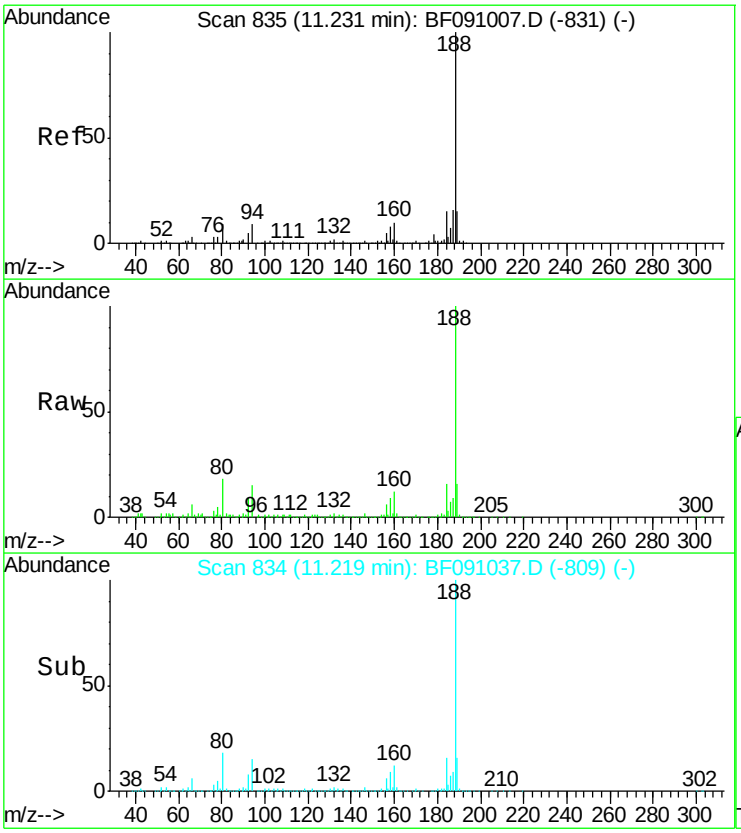
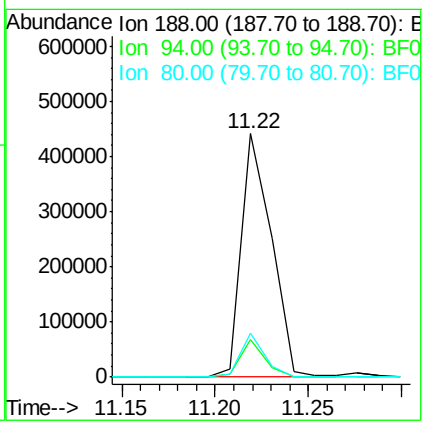
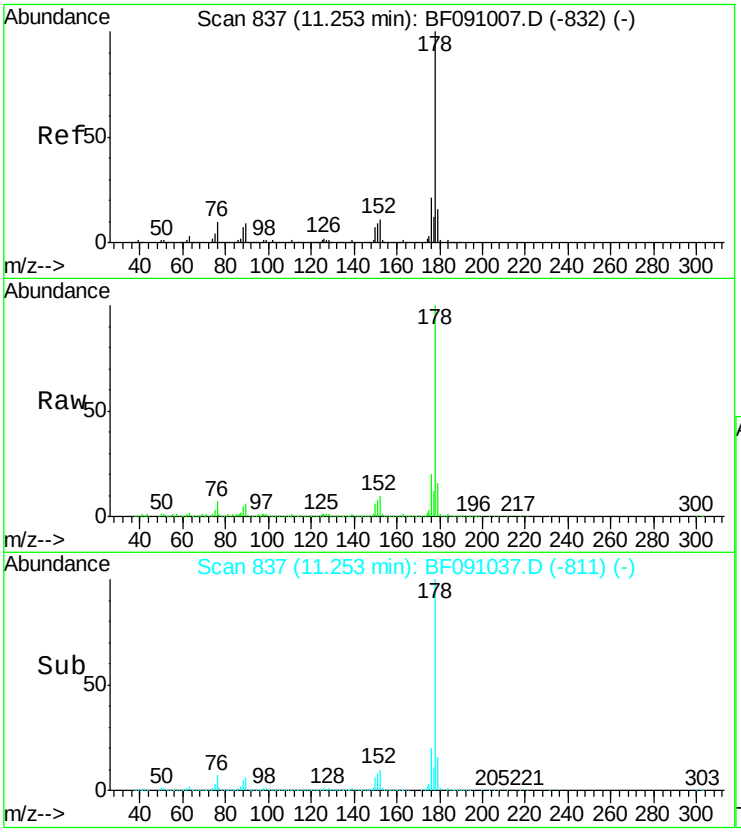


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:188 Resp: 496037

Ion	Ratio	Lower	Upper
188	100		
94	15.5	7.0	10.4#
80	18.1	7.5	11.3#

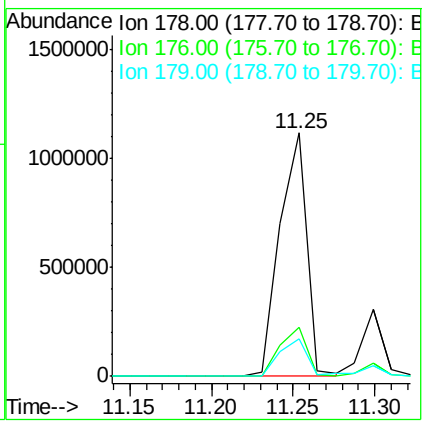




#70
Phenanthrene
Concen: 48.91 ng
RT: 11.25 min Scan# 837
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:178 Resp: 1289719

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.6	25.0
179	15.6	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
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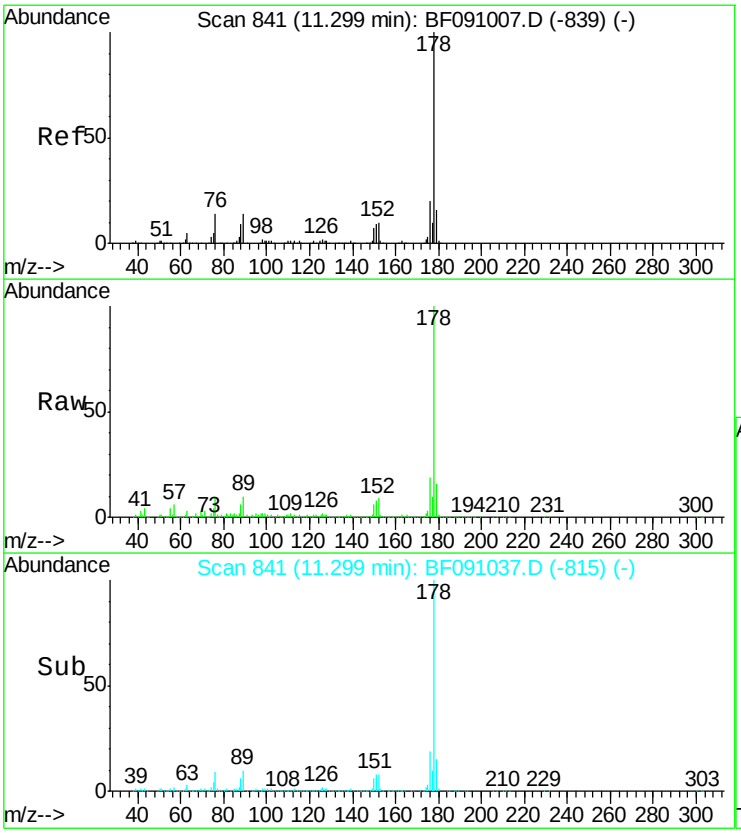
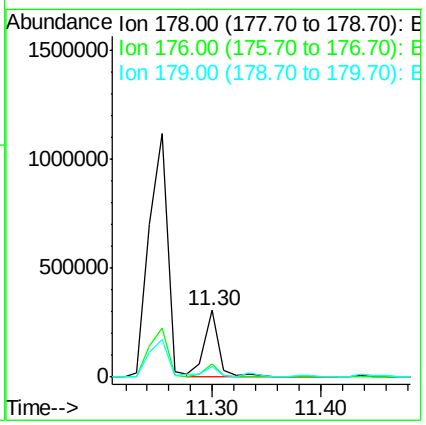
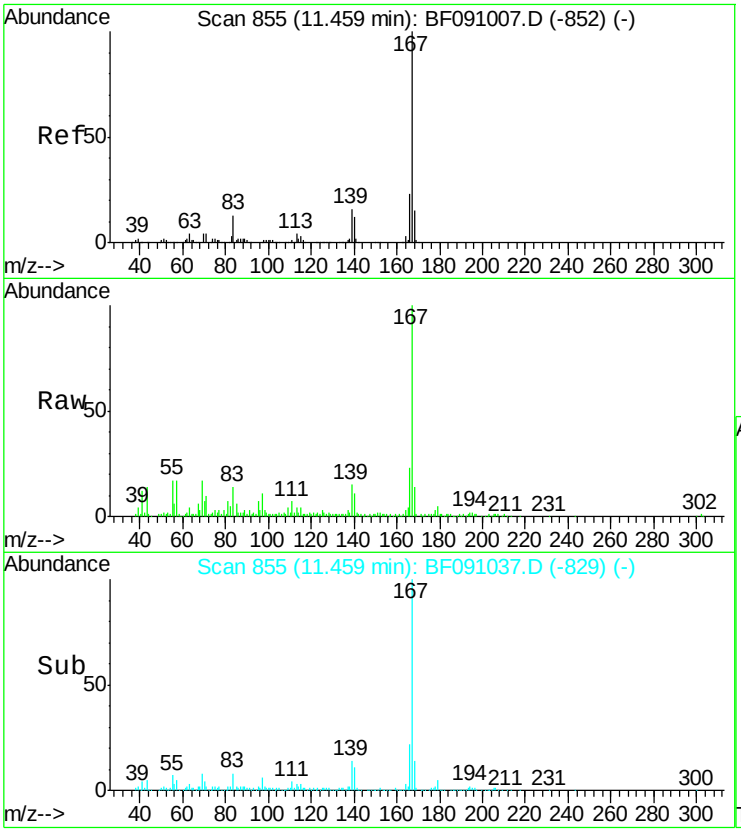


#71
Anthracene
Concen: 10.50 ng
RT: 11.30 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:178 Resp: 294275

Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.0	24.0
179	15.5	13.0	19.6

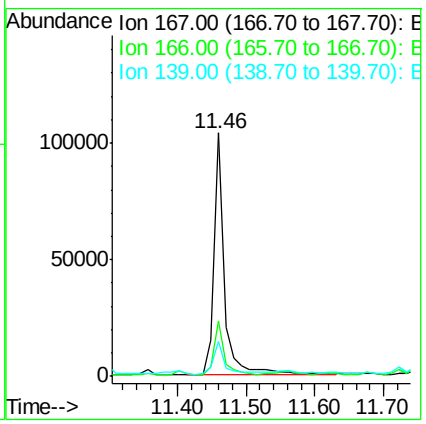




#72
Carbazole
Concen: 4.48 ng
RT: 11.46 min Scan# 855
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:167 Resp: 113113

Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.0	27.0
139	14.6	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
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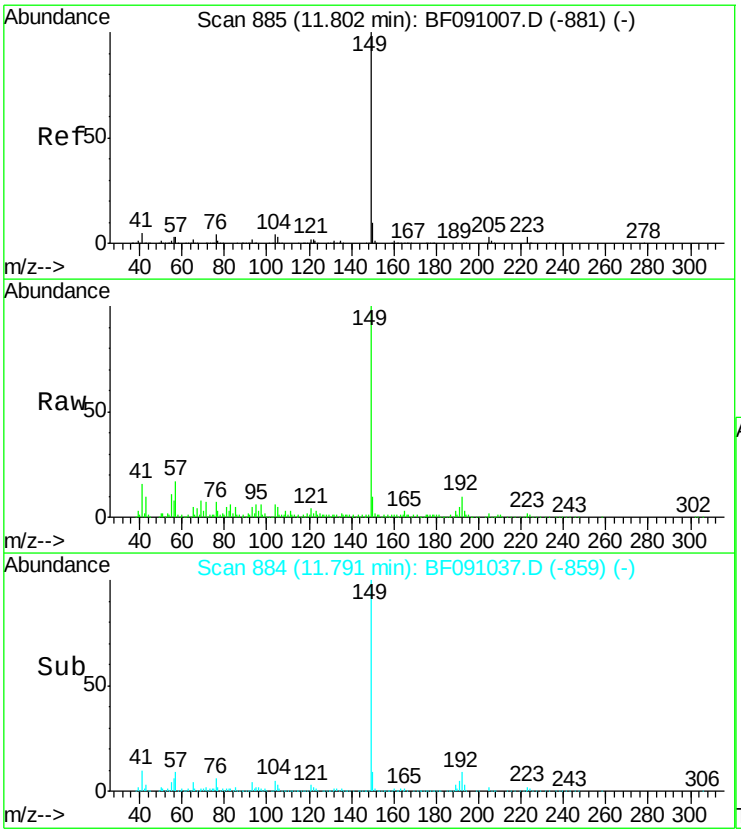
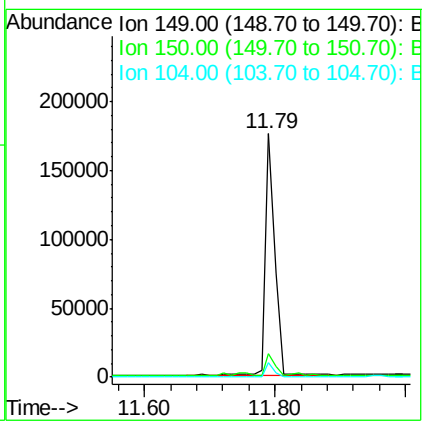
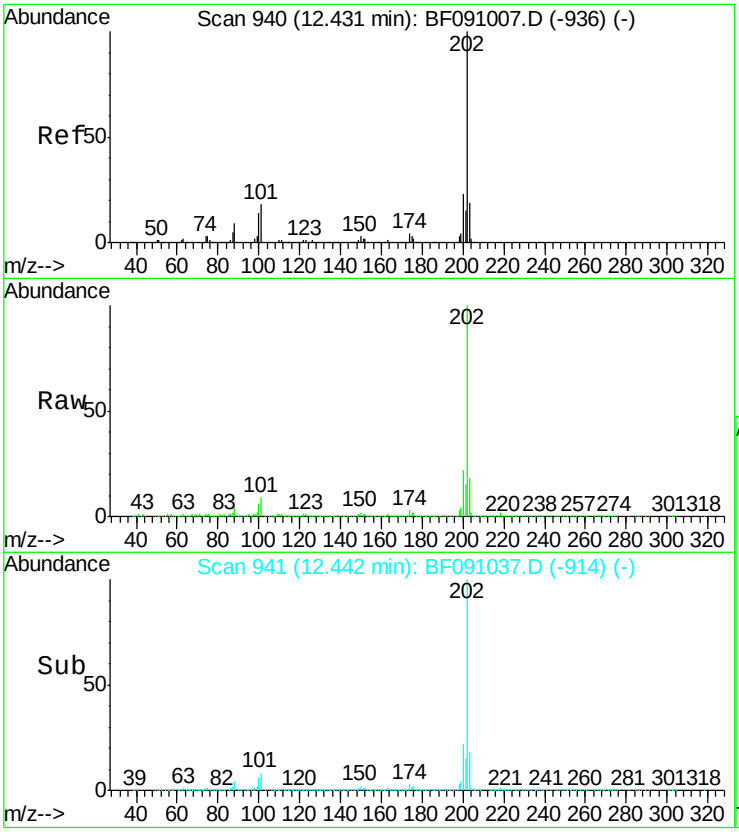


#73
Di-n-butylphthalate
Concen: 5.71 ng
RT: 11.79 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:149 Resp: 181401

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.7	3.6	5.4#

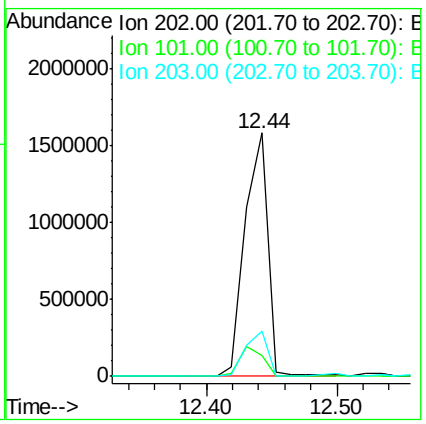




#74
Fluoranthene
Concen: 69.88 ng
RT: 12.44 min Scan# 941
Delta R.T. 0.01 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:202 Resp: 1911048

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	37.6
203	18.4	0.0	38.6



Instrument :
BNA_F
ClientSampleId :
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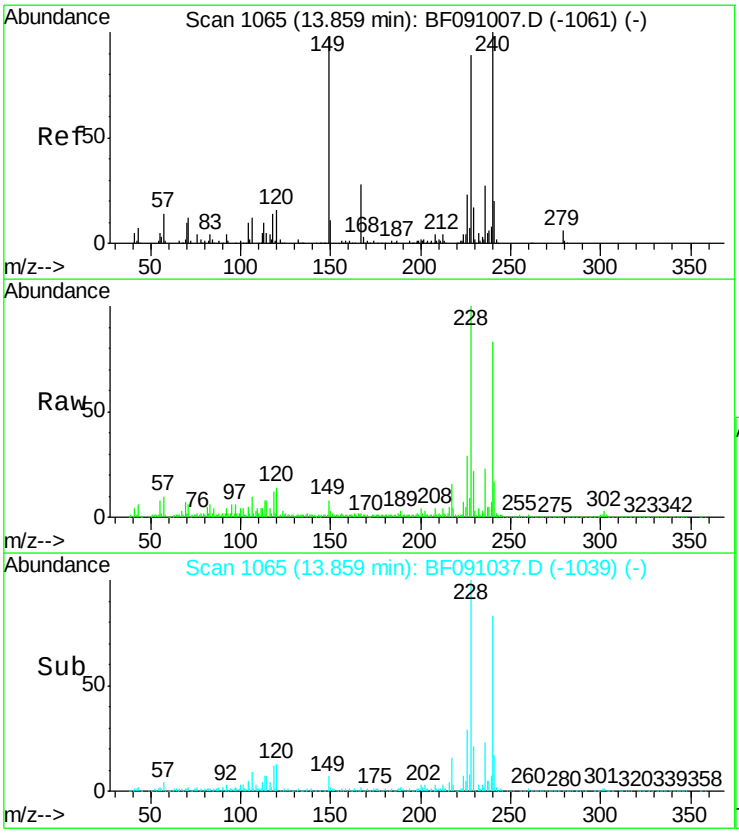
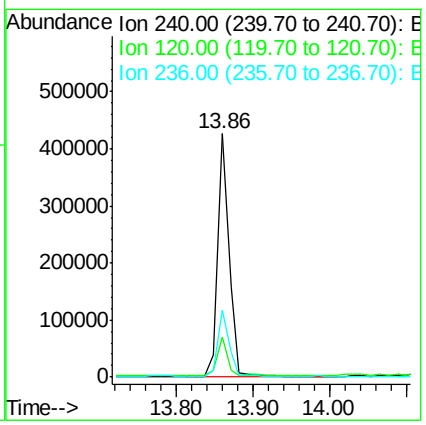
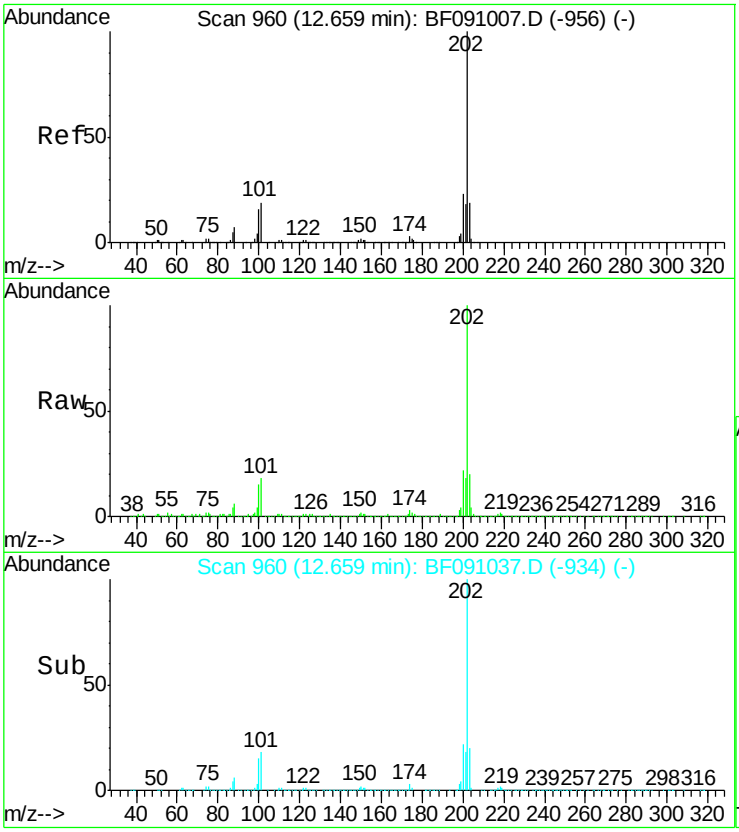


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:240 Resp: 440917

Ion	Ratio	Lower	Upper
240	100		
120	16.3	12.9	19.3
236	27.6	21.9	32.9

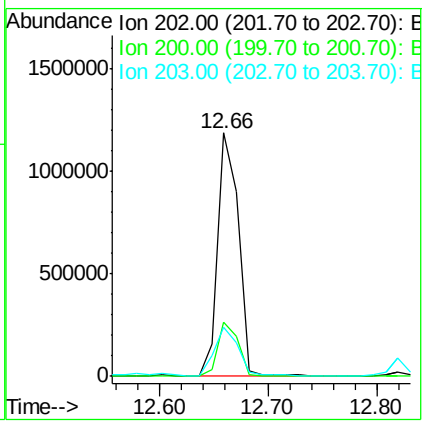




#77
Pyrene
Concen: 54.34 ng
RT: 12.66 min Scan# 960
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:202 Resp: 1568980

Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.4	27.6
203	20.3	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
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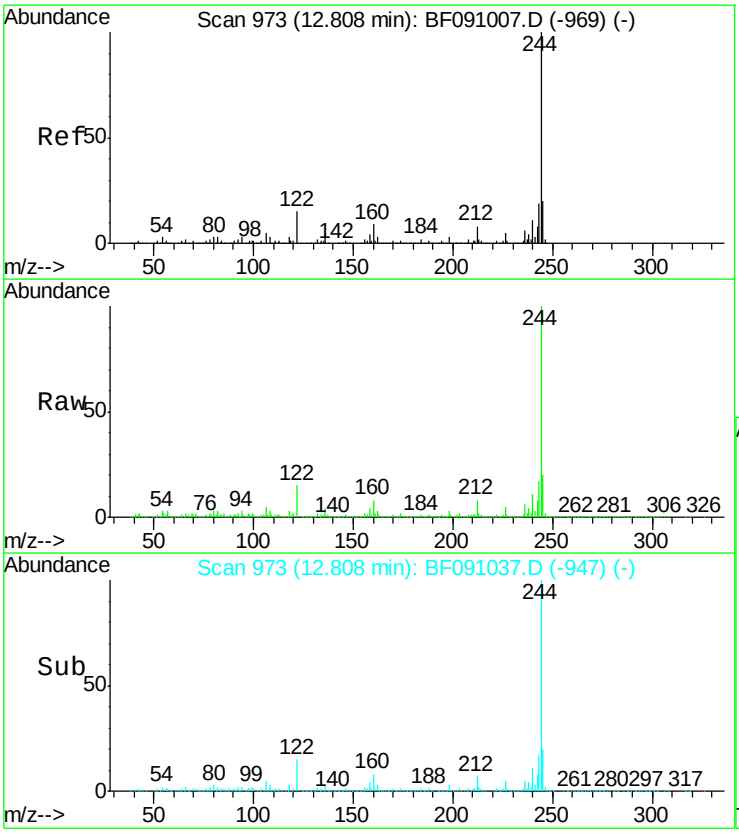
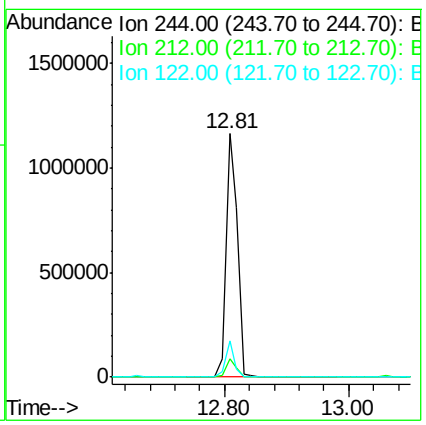
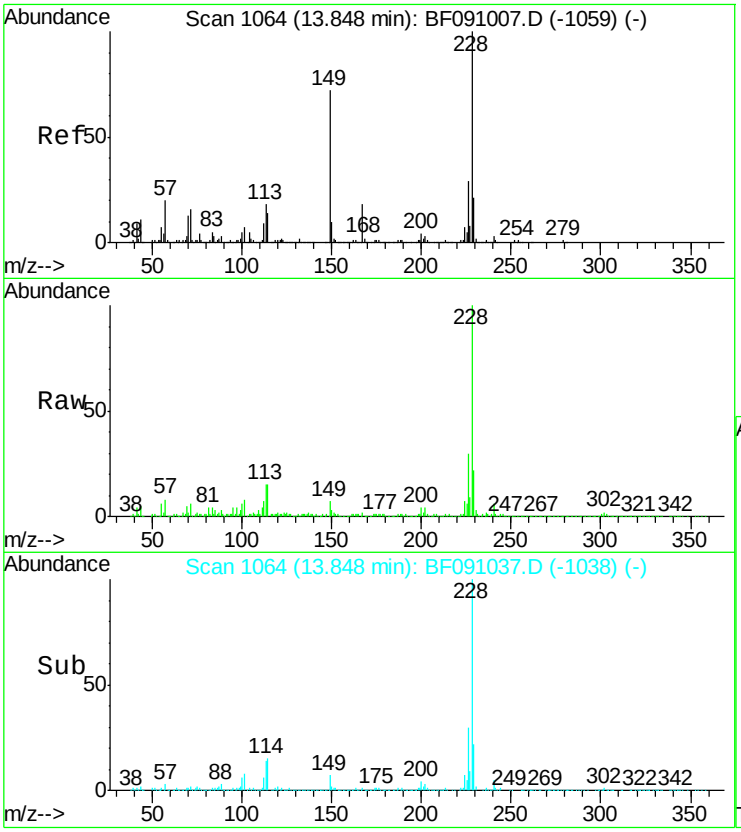


#78
Terphenyl-d14
Concen: 81.81 ng
RT: 12.81 min Scan# 973
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:244 Resp: 1445447

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.4	9.6
122	14.8	12.3	18.5

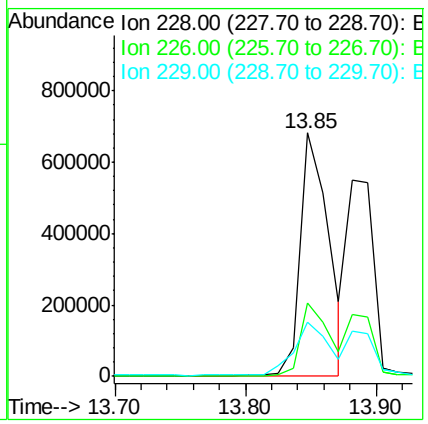




#80
Benzo(a)anthracene
Concen: 40.96 ng
RT: 13.85 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:228 Resp: 1025403

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.0	34.6
229	22.0	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
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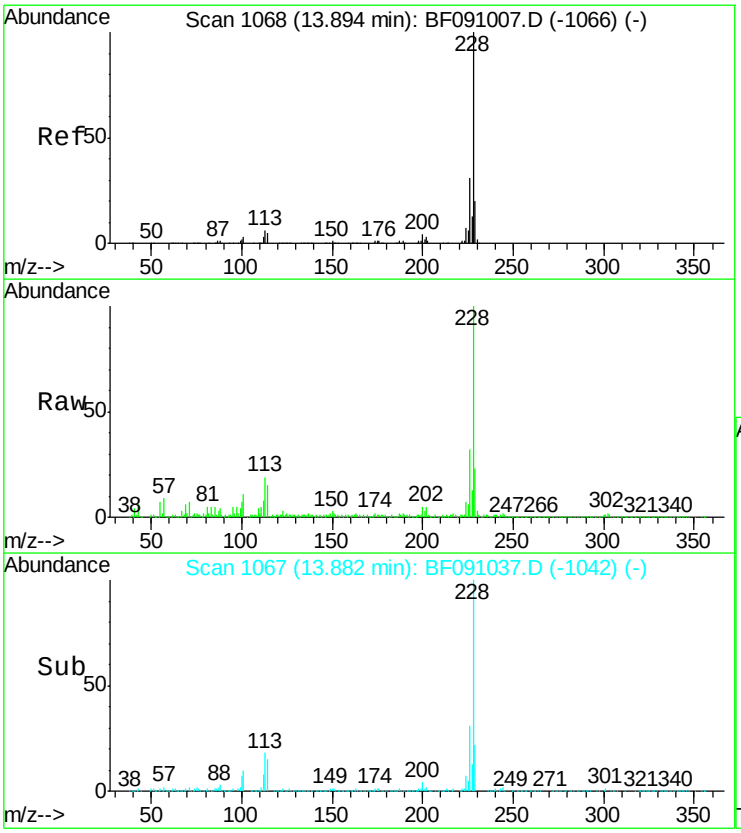
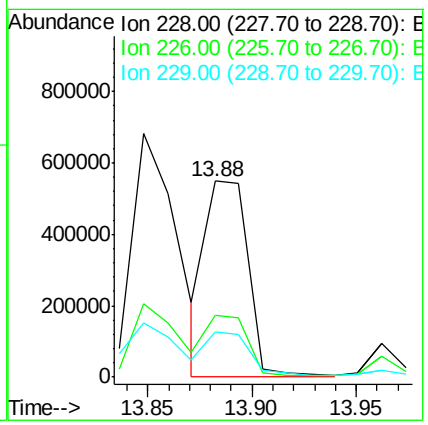
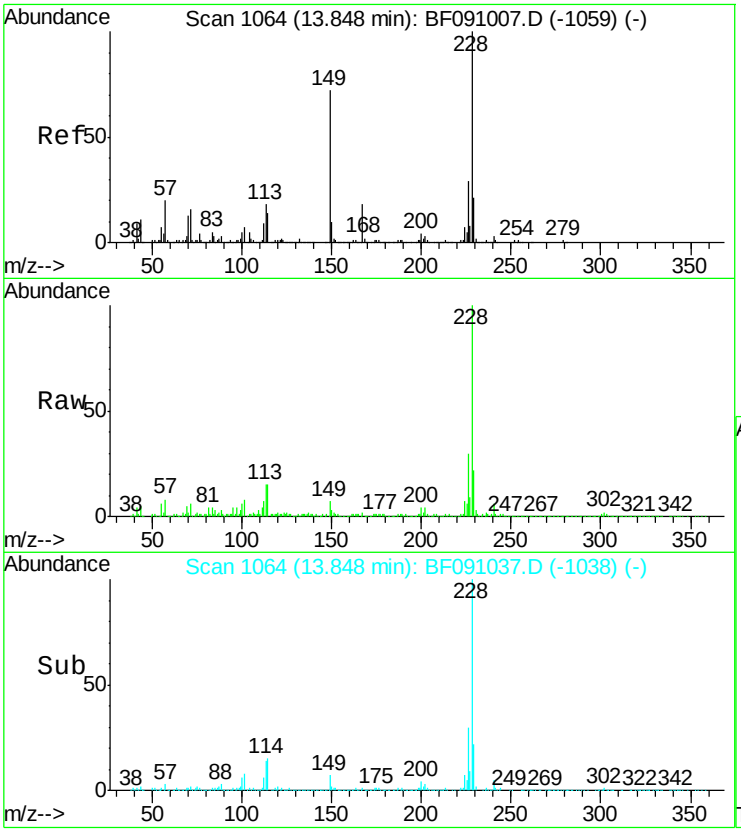


#82
Chrysene
Concen: 31.59 ng m
RT: 13.88 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:228 Resp: 779843

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	22.9	15.9	23.9





#83
Bis(2-ethylhexyl)phthalate
Concen: 4.24 ng
RT: 13.85 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:149 Resp: 79191

Ion	Ratio	Lower	Upper
149	100		
167	23.9	20.4	30.6
279	2.4	1.6	2.4#

Instrument :
BNA_F
ClientSampleId :
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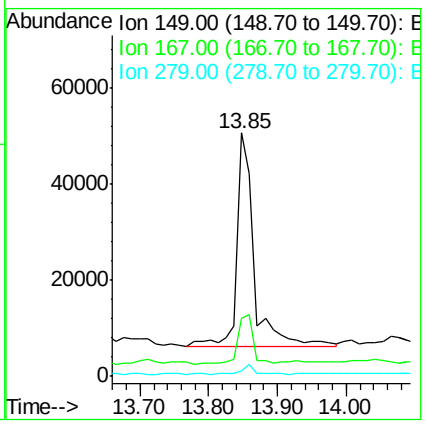
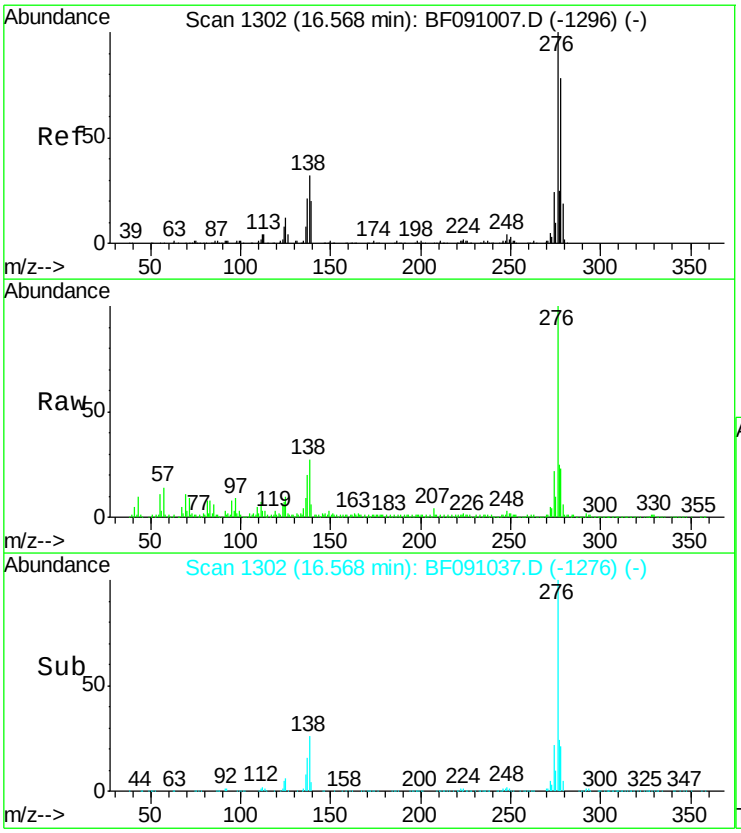
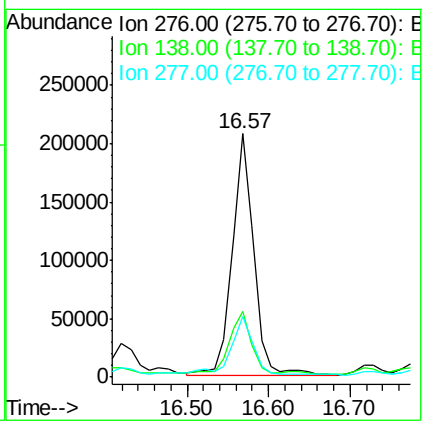


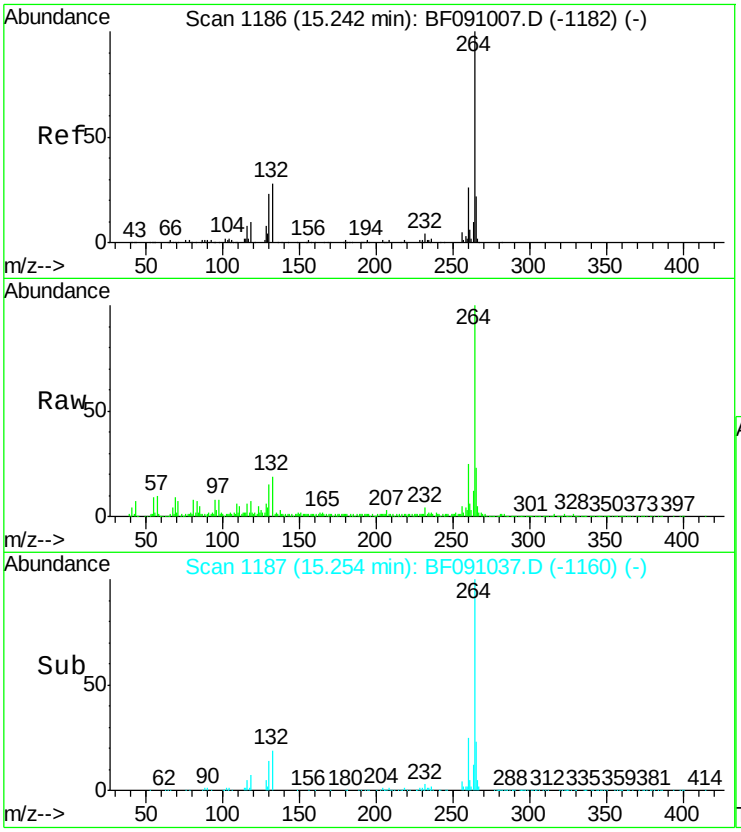


#85
Indeno(1,2,3-cd)pyrene
Concen: 18.37 ng
RT: 16.57 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:276 Resp: 376293

Ion	Ratio	Lower	Upper
276	100		
138	25.5	26.0	39.0#
277	25.1	20.1	30.1





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.25 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:264 Resp: 381949

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.6	30.8
265	23.4	17.8	26.8

Instrument :
BNA_F
ClientSampleId :
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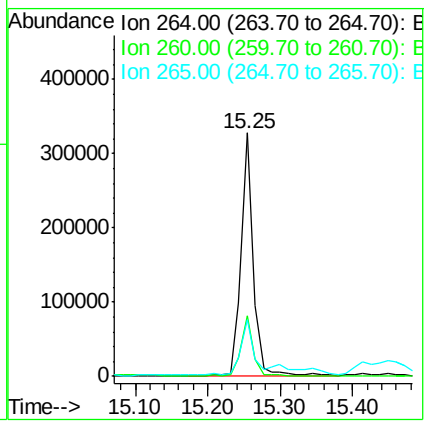
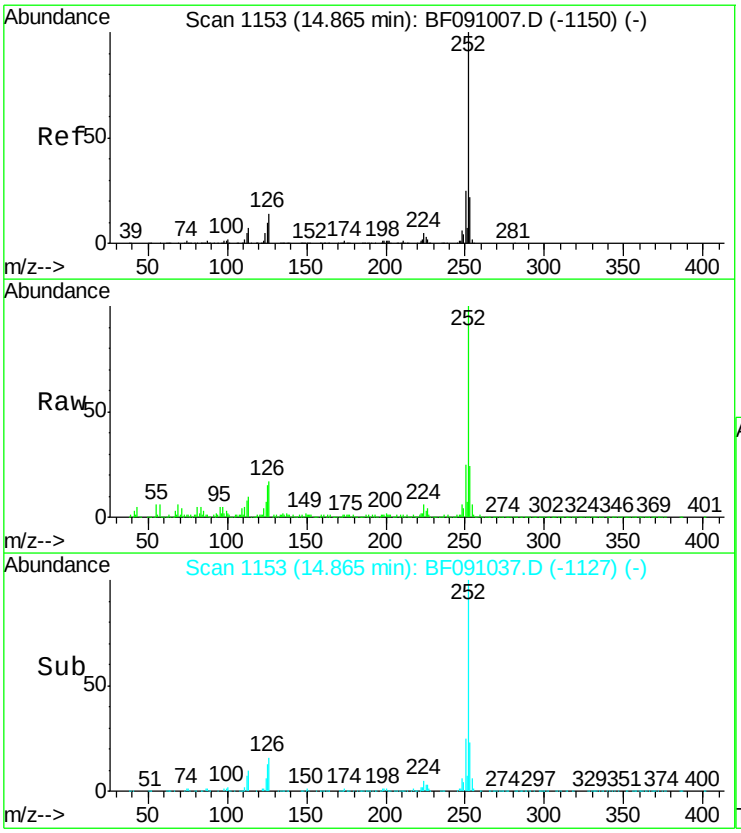
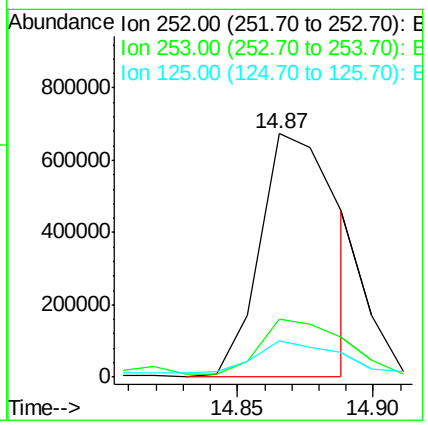


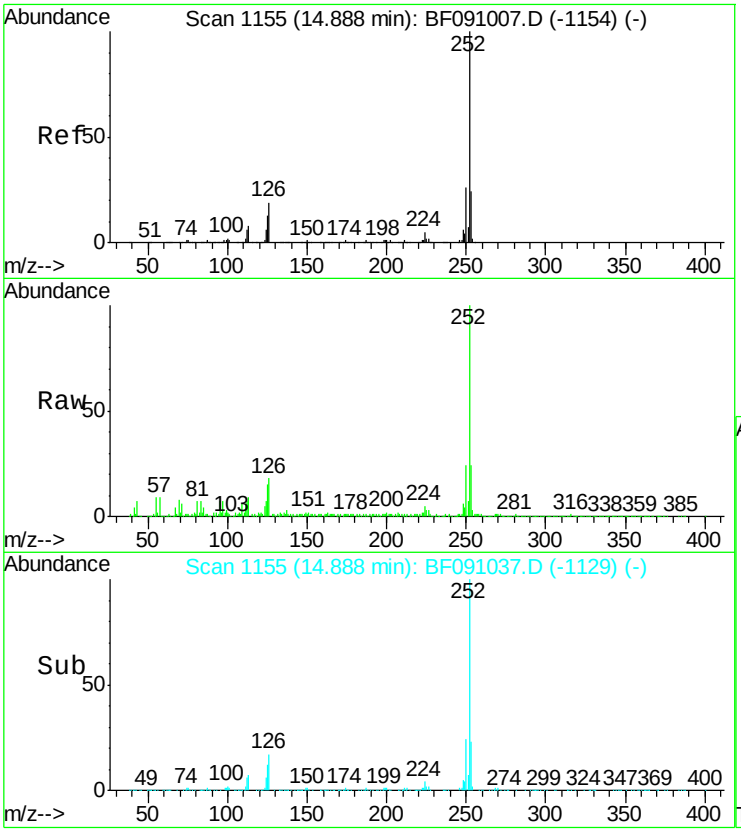


#87
Benzo(b)fluoranthene
Concen: 51.58 ng m
RT: 14.87 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:252 Resp: 1336113

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	15.0	8.3	12.5#

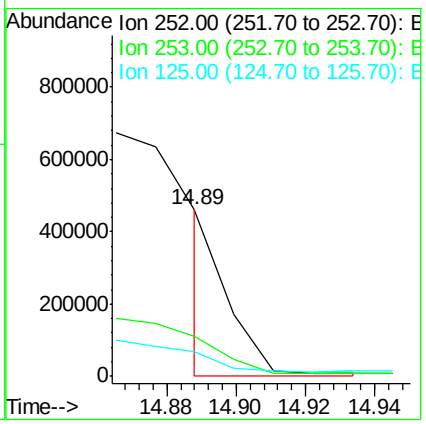




#88
Benzo(k)fluoranthene
Concen: 6.20 ng m
RT: 14.89 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:252 Resp: 140925

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.6	28.0
125	14.7	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
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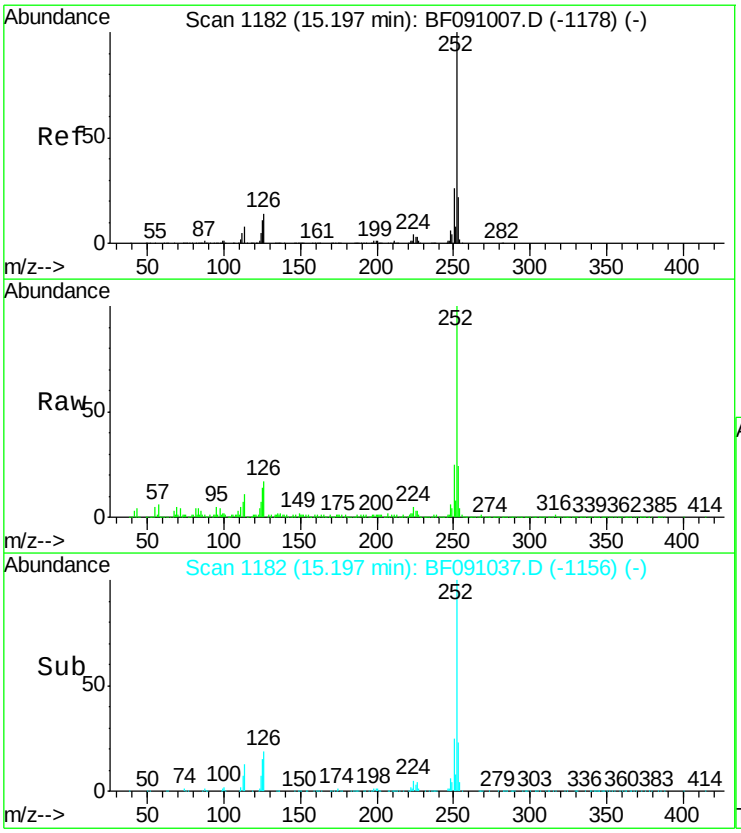
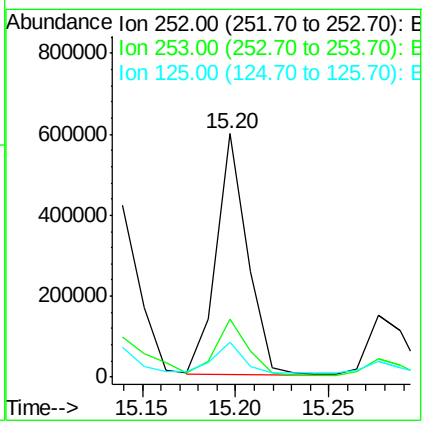
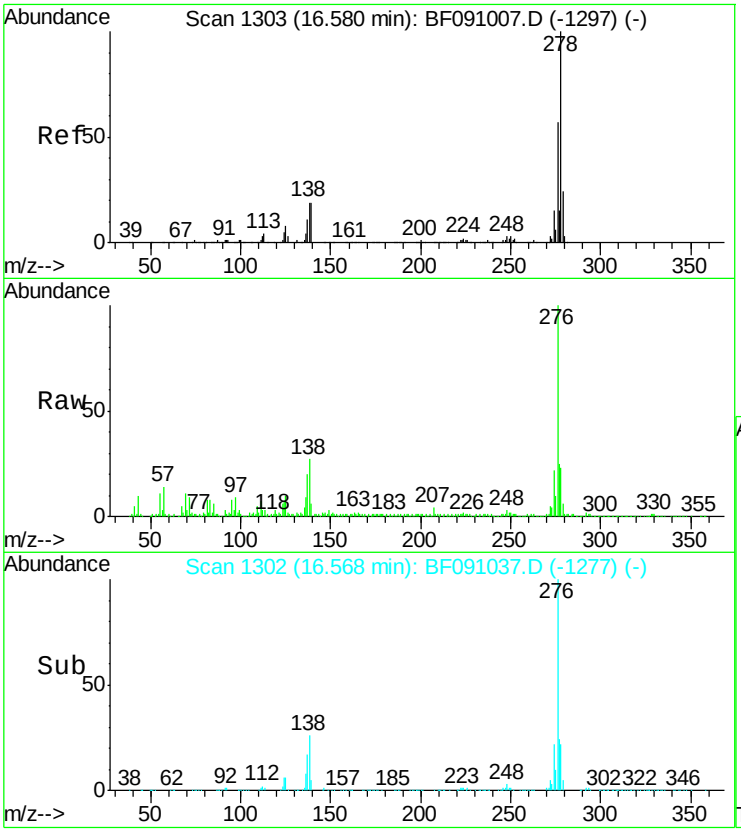


#89
Benzo(a)pyrene
Concen: 30.78 ng
RT: 15.20 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:252 Resp: 694048

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	14.2	8.6	13.0#

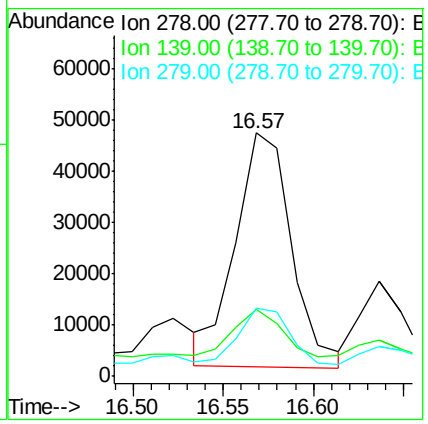




#90
Dibenzo(a,h)anthracene
Concen: 5.06 ng m
RT: 16.57 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:278 Resp: 98637

Ion	Ratio	Lower	Upper
278	100		
139	27.7	15.3	22.9#
279	28.1	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SB-103-1.0-2.0

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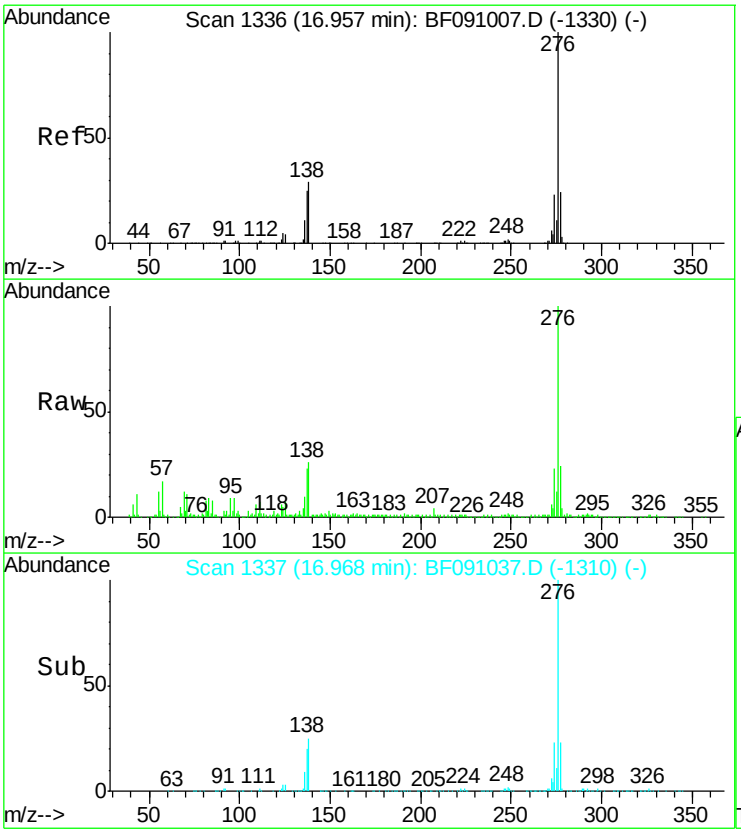

#91
Benzo(g,h,i)perylene
Concen: 18.46 ng
RT: 16.97 min Scan# 1337
Delta R.T. 0.01 min
Lab File: BF091037.D
Acq: 4 Nov 2016 22:57

Tgt Ion:276 Resp: 325453

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	26.1	23.3	34.9