Quantitation Report (LSC Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111317\
Data File : BF100504.D
Acq On : 13 Nov 2017 16:23
Operator : SJ/JU
Sample : I6409-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH-110917-01

Manual Integrations APPROVED
SOHIL
11/14/2017 5:20:20 PM

Quant Time: Nov 14 01:28:34 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 13 14:08:38 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	87331	20.00	ng		0.00
21) Naphthalene-d8	8.17	136	342534	20.00	ng		0.00
38) Acenaphthene-d10	9.93	164	161357	20.00	ng		0.00
63) Phenanthrene-d10	11.42	188	276991	20.00	ng		0.00
75) Chrysene-d12	14.06	240	170197	20.00	ng		0.01
86) Perylene-d12	15.54	264	171543	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.52	112	499137	91.62	ng		0.02
7) Phenol-d6	6.52	99	609462	90.72	ng		0.00
23) Nitrobenzene-d5	7.45	82	376509	72.67	ng		0.00
41) 2,4,6-Tribromophenol	10.72	330	164623	100.12	ng		0.00
44) 2-Fluorobiphenyl	9.25	172	569958	53.79	ng		0.00
78) Terphenyl-d14	13.00	244	345582	46.65	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.53	94	28586	4.053	ng		95
22) Acetophenone	7.29	105	17579	2.105	ng	#	95
31) Naphthalene	8.19	128	66978	4.060	ng		98
48) Acenaphthylene	9.79	152	86590	5.161	ng		99
49) Dimethylphthalate	9.63	163	56162	4.559	ng	#	99
57) Fluorene	10.47	166	47550	4.538	ng		100
70) Phenanthrene	11.44	178	687185	47.119	ng		98
71) Anthracene	11.49	178	235559	15.920	ng		100
74) Fluoranthene	12.64	202	1340986	86.760	ng		96
77) Pyrene	12.87	202	1172724	96.661	ng		100
80) Benzo(a)anthracene	14.05	228	687606	67.089	ng		97
82) Chrysene	14.09	228	602759	60.732	ng		98
83) Bis(2-ethylhexyl)phthalate	14.03	149	25905	3.981	ng	#	99
85) Indeno(1,2,3-cd)pyrene	17.03	276	279503	34.817	ng	#	87
87) Benzo(b)fluoranthene	15.11	252	753557m	74.147	ng		
88) Benzo(k)fluoranthene	15.13	252	217236m	22.623	ng		
89) Benzo(a)pyrene	15.48	252	518474	57.545	ng		97
90) Dibenzo(a,h)anthracene	17.04	278	70760	9.603	ng		94
91) Benzo(g,h,i)perylene	17.49	276	230629	31.975	ng	#	89

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

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Instrument :
BNA_F
ClientSampleId :
MH-110917-01

Manual Integrations APPROVED
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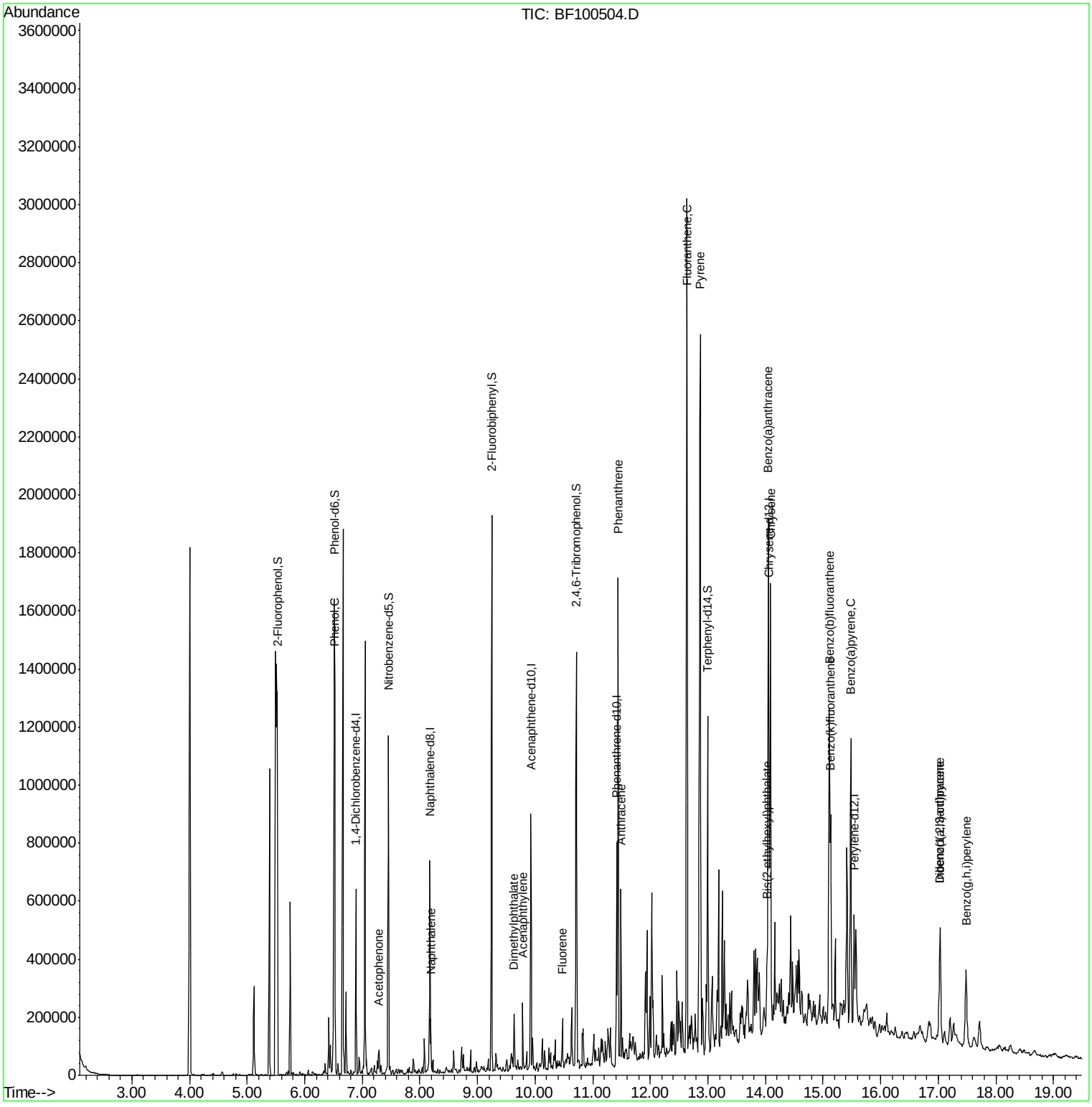
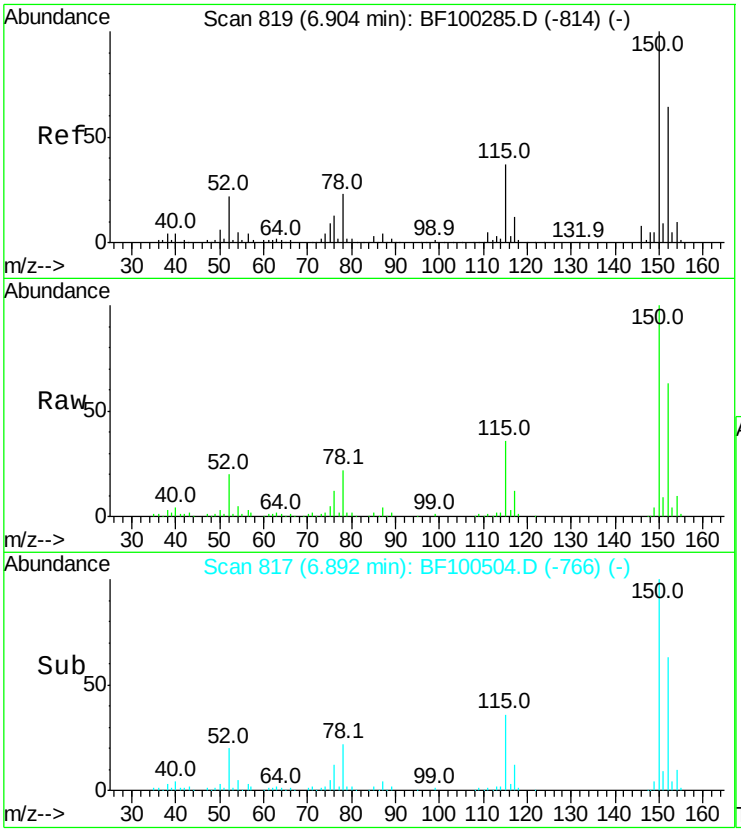
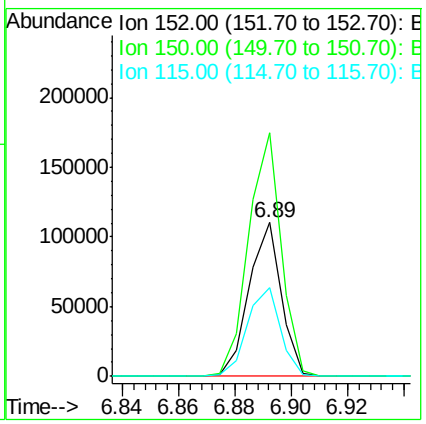




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:152 Resp: 87331

Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	57.3	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
MH-110917-01

Manual Integrations APPROVED
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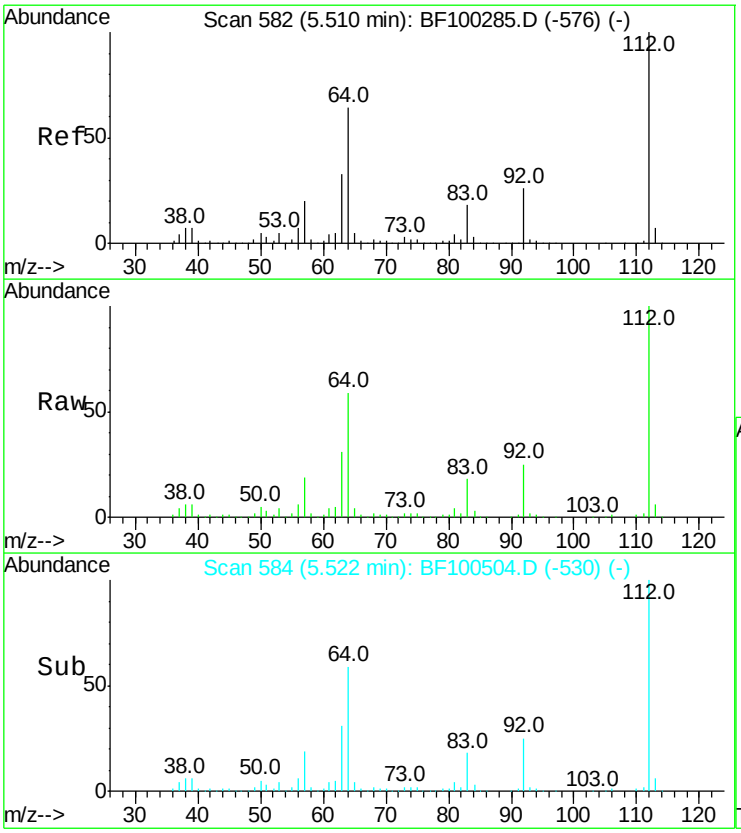
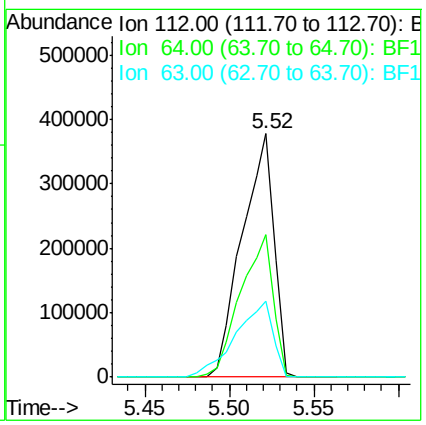
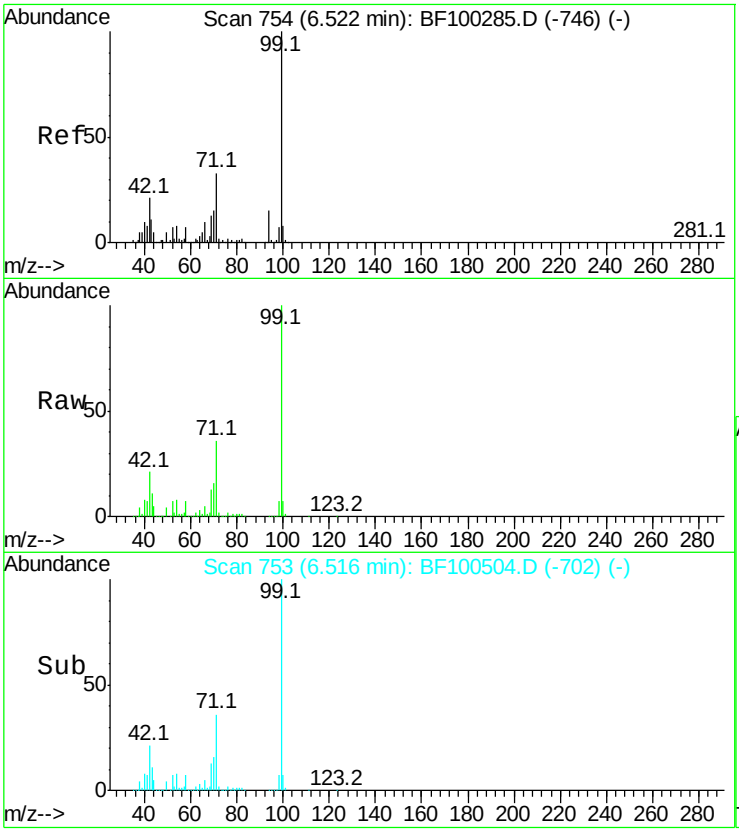


#5
2-Fluorophenol
Concen: 91.618 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.02 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:112 Resp: 499137

Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.9	71.9
63	31.3	23.7	35.5

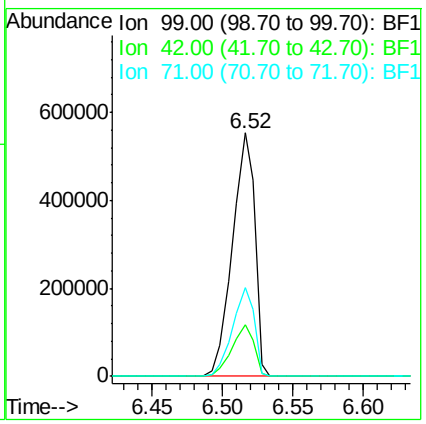




#7
Phenol-d6
Concen: 90.719 ng
RT: 6.52 min Scan# 753
Delta R.T. -0.00 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion: 99 Resp: 609462

Ion	Ratio	Lower	Upper
99	100		
42	21.0	14.5	21.7
71	36.5	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
MH-110917-01

Manual Integrations APPROVED
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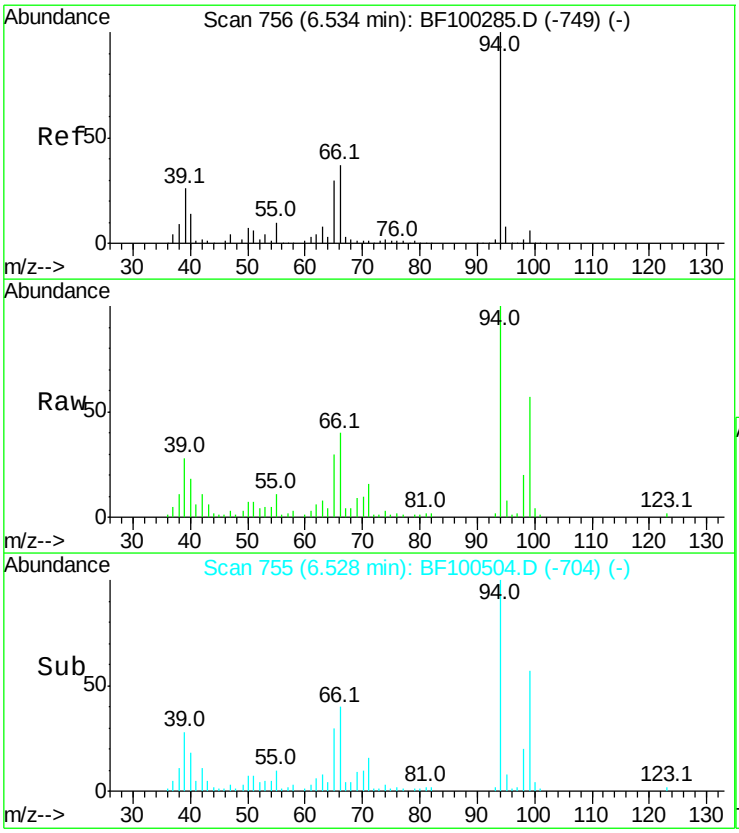
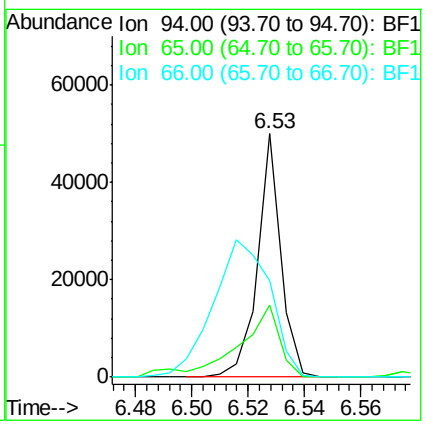
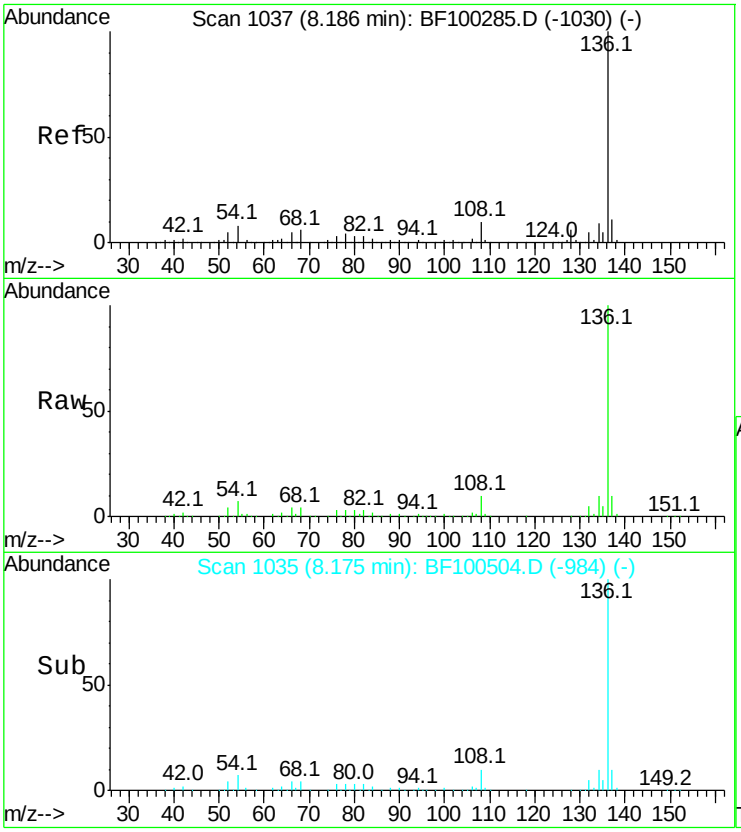


#10
Phenol
Concen: 4.053 ng
RT: 6.53 min Scan# 755
Delta R.T. -0.00 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion: 94 Resp: 28586

Ion	Ratio	Lower	Upper
94	100		
65	29.7	7.9	47.9
66	39.6	16.2	56.2

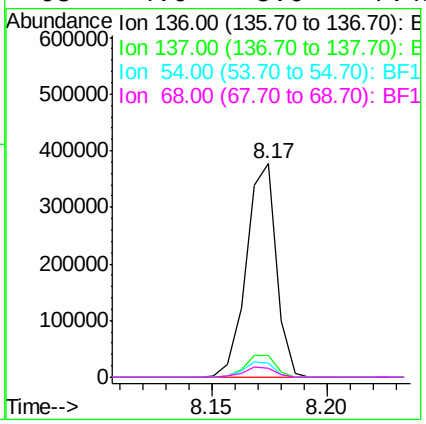




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:136 Resp: 342534

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	6.8	6.6	9.8
68	4.0	5.0	7.4#



Instrument :
BNA_F
ClientSampleId :
MH-110917-01

Manual Integrations APPROVED
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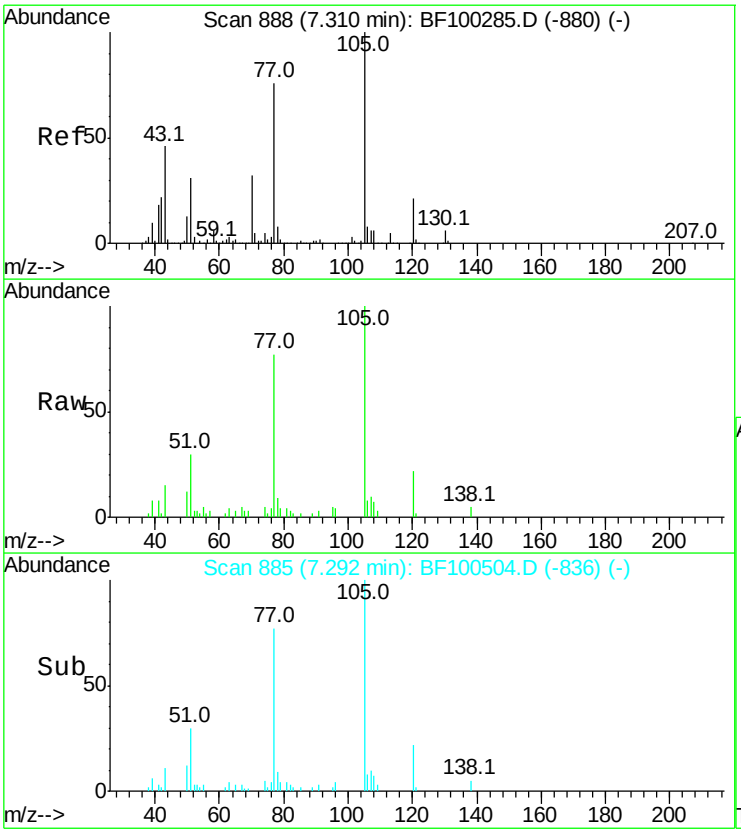
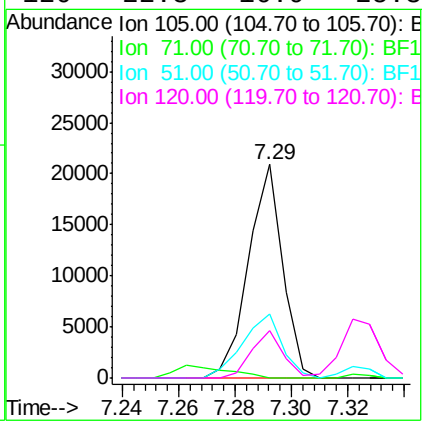
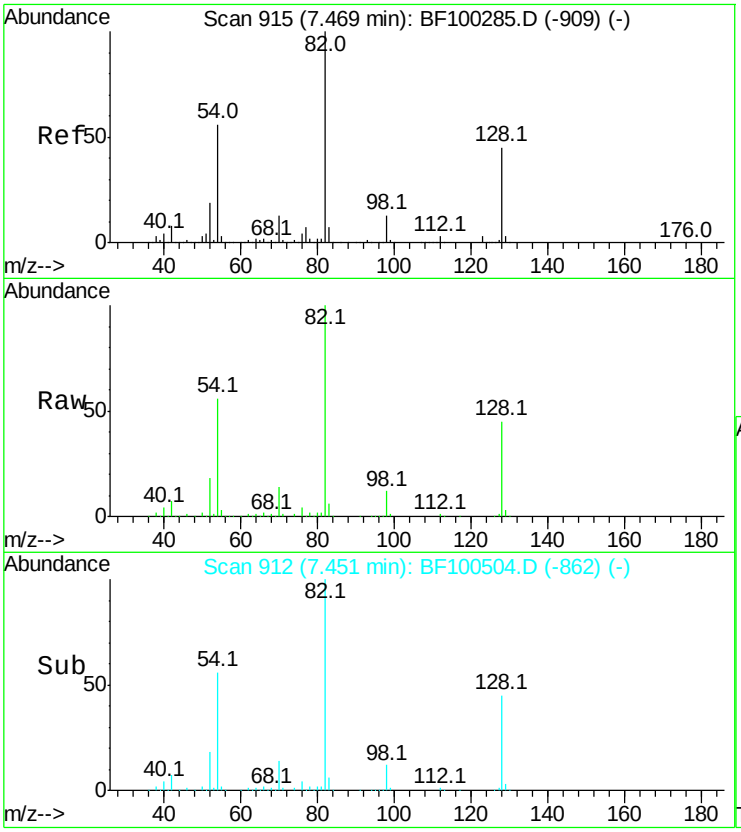


#22
Acetophenone
Concen: 2.105 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:105 Resp: 17579

Ion	Ratio	Lower	Upper
105	100		
71	0.0	4.4	6.6#
51	30.1	22.3	33.5
120	22.3	16.9	25.3

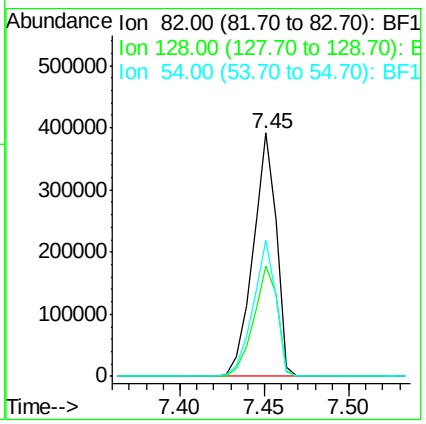




#23
Nitrobenzene-d5
Concen: 72.671 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion: 82 Resp: 376509

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	55.7	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
MH-110917-01

Manual Integrations APPROVED
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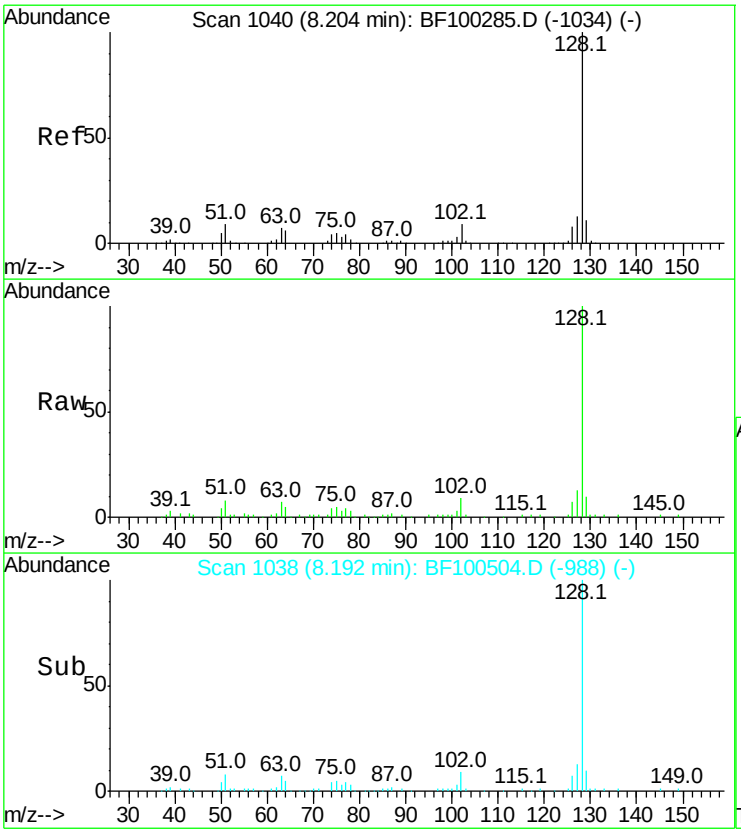
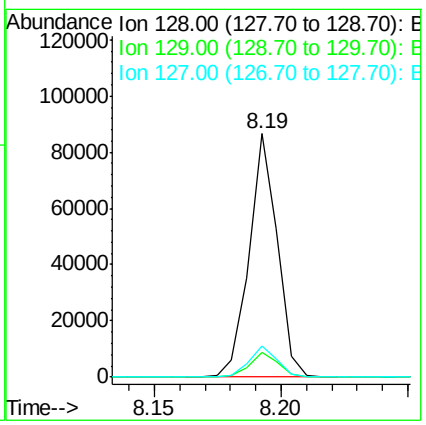
11/14/2017 5:20:20 PM

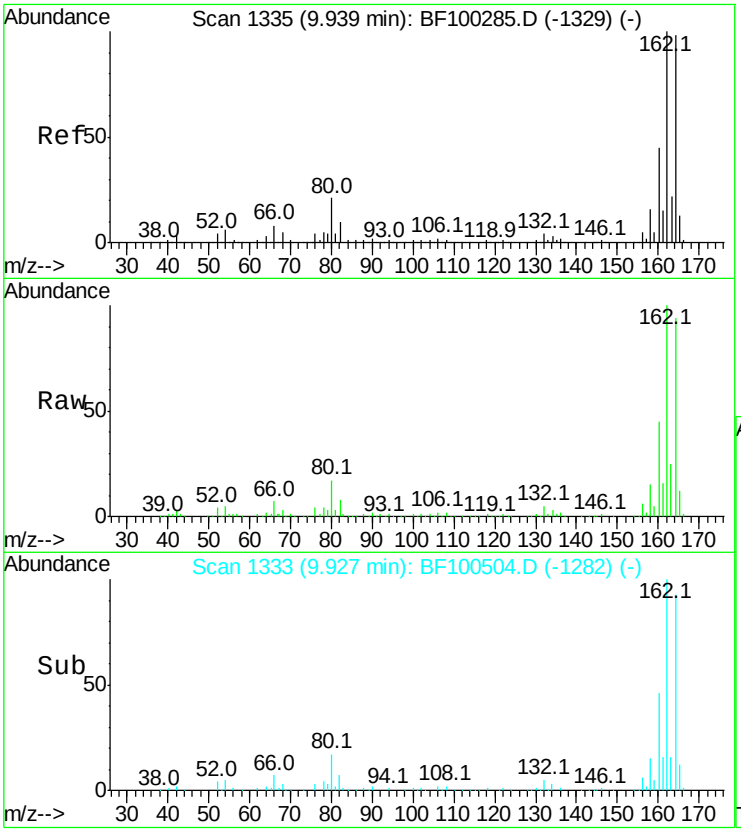


#31
Naphthalene
Concen: 4.060 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:128 Resp: 66978

Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.8	13.2
127	12.7	10.9	16.3

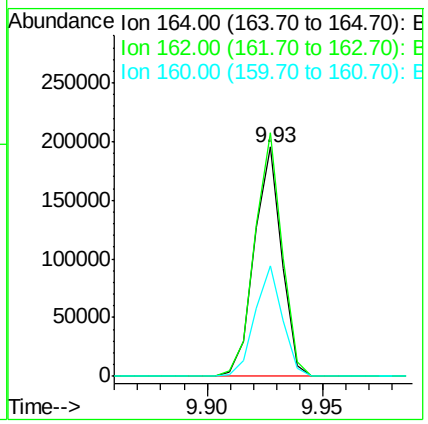




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:164 Resp: 161357

Ion	Ratio	Lower	Upper
164	100		
162	106.2	86.1	129.1
160	48.2	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
MH-110917-01

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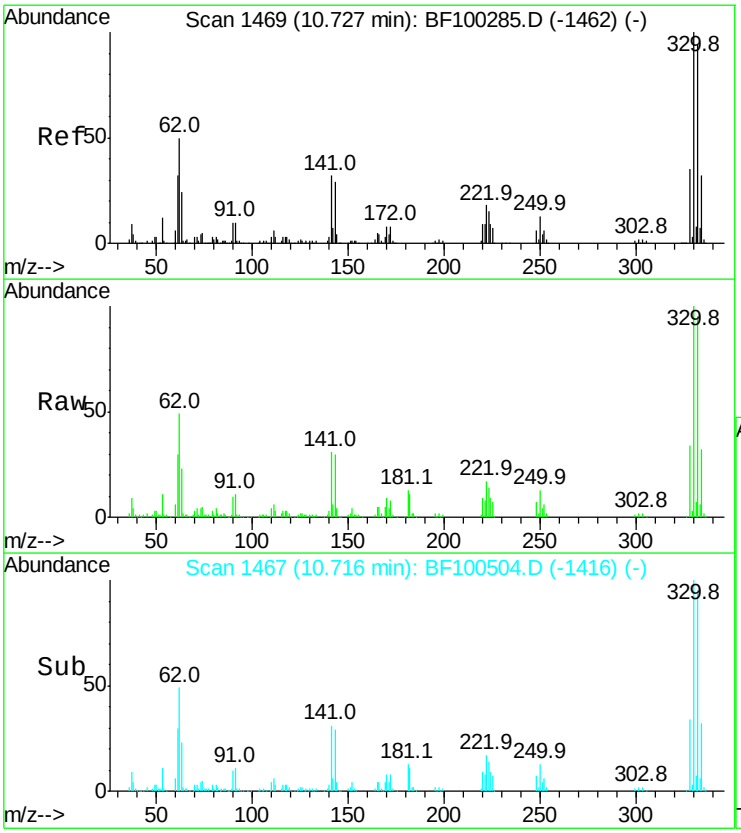
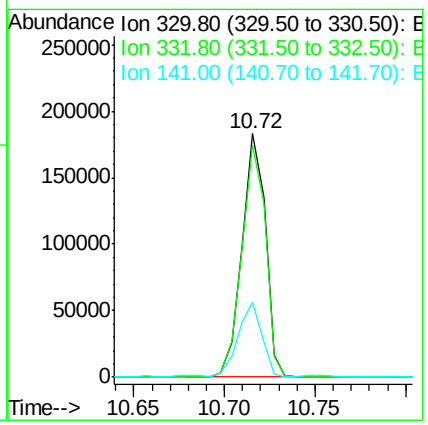
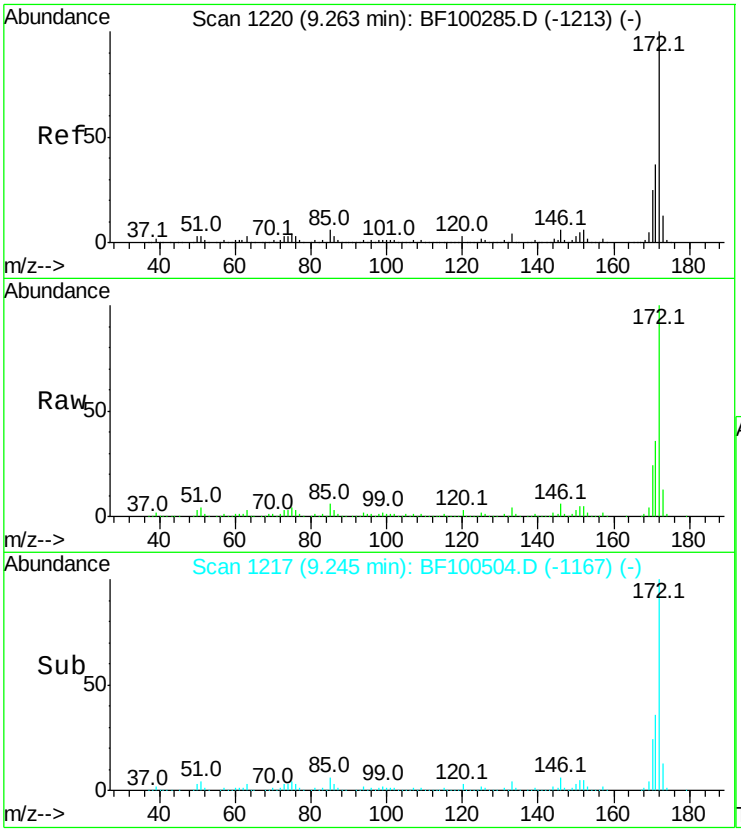


#41
2,4,6-Tribromophenol
Concen: 100.122 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:330 Resp: 164623

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	30.7	29.9	44.9

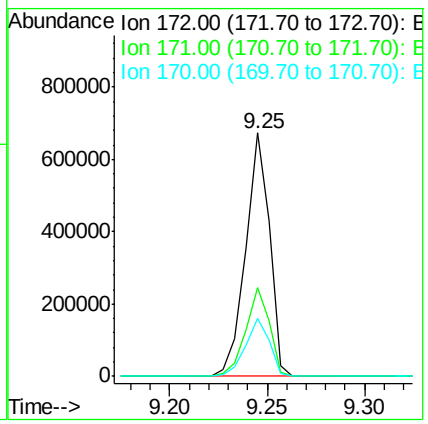




#44
2-Fluorobiphenyl
Concen: 53.786 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:172 Resp: 569958

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.0	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
MH-110917-01

Manual Integrations APPROVED
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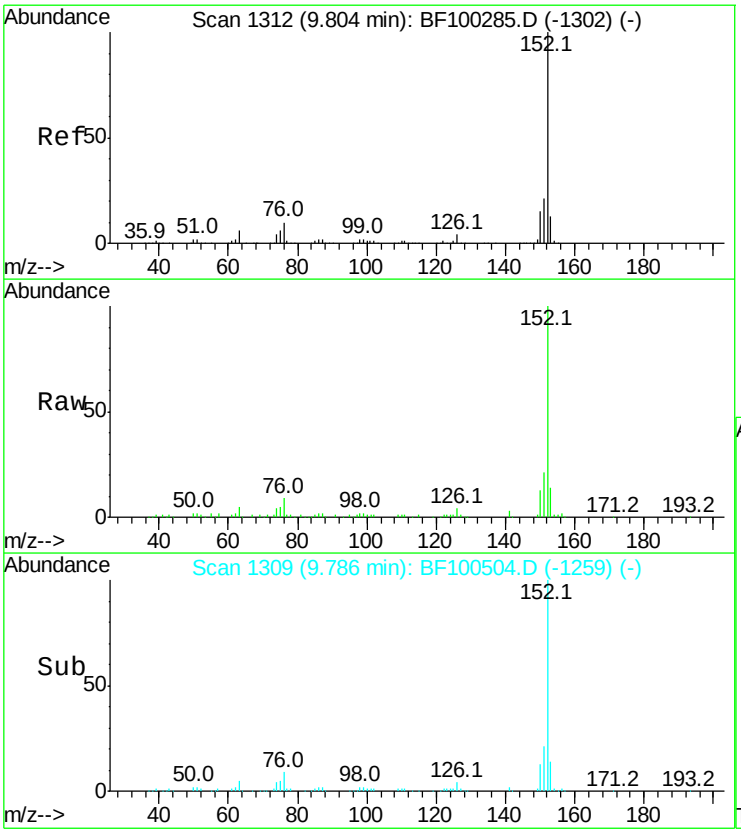
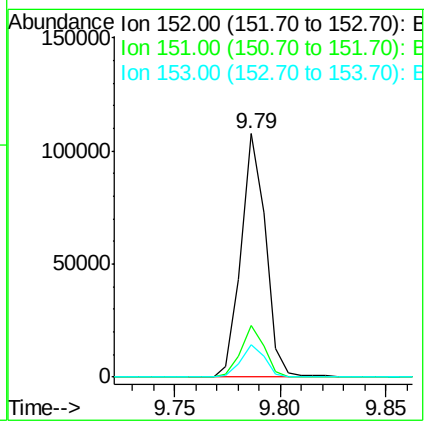
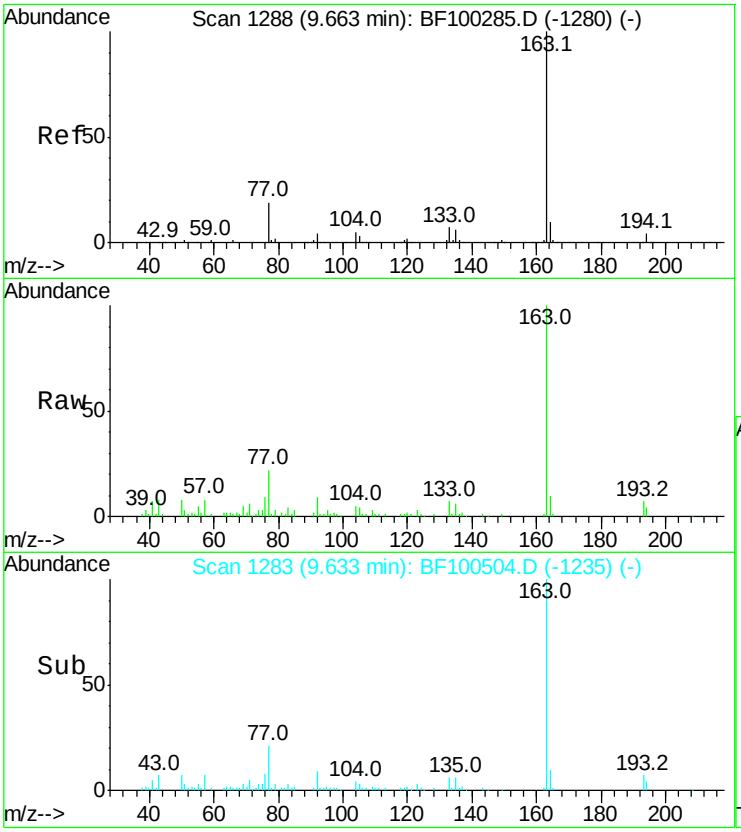


#48
Acenaphthylene
Concen: 5.161 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:152 Resp: 86590

Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.3	24.5
153	13.5	10.7	16.1

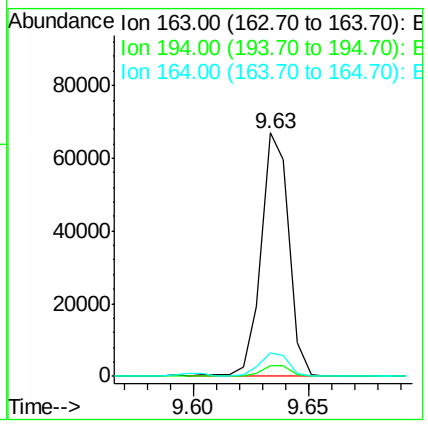




#49
Dimethylphthalate
Concen: 4.559 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:163 Resp: 56162

Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.7	4.1#
164	9.9	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
MH-110917-01

Manual Integrations APPROVED
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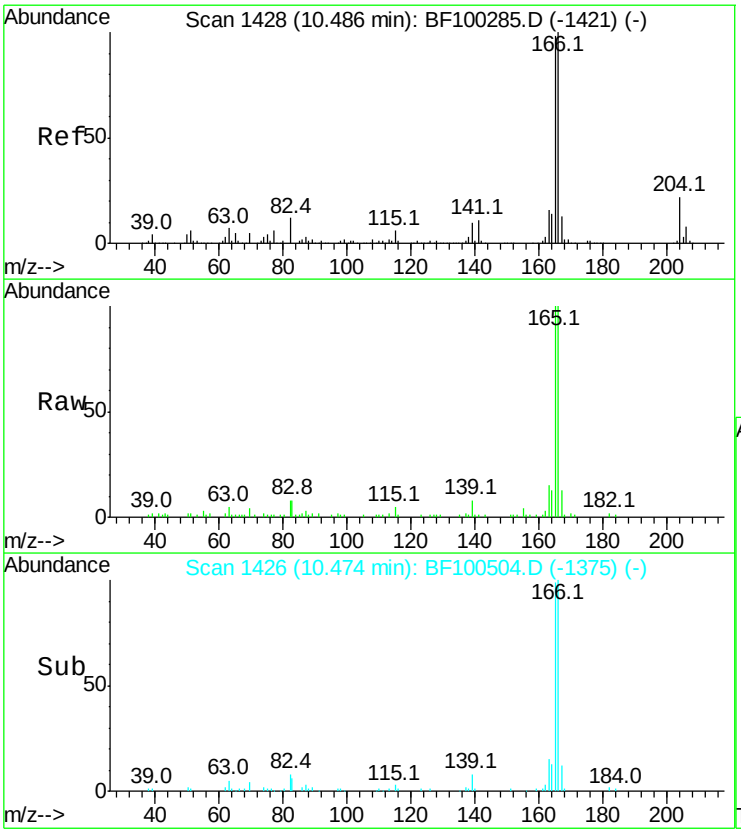
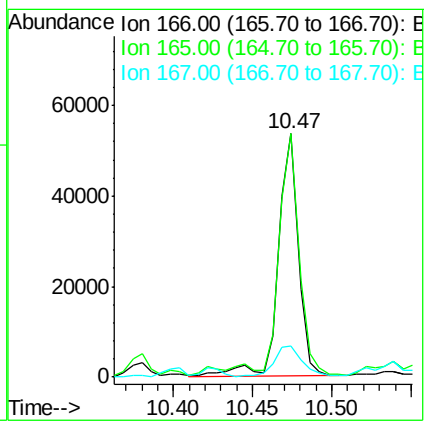
11/14/2017 5:20:20 PM

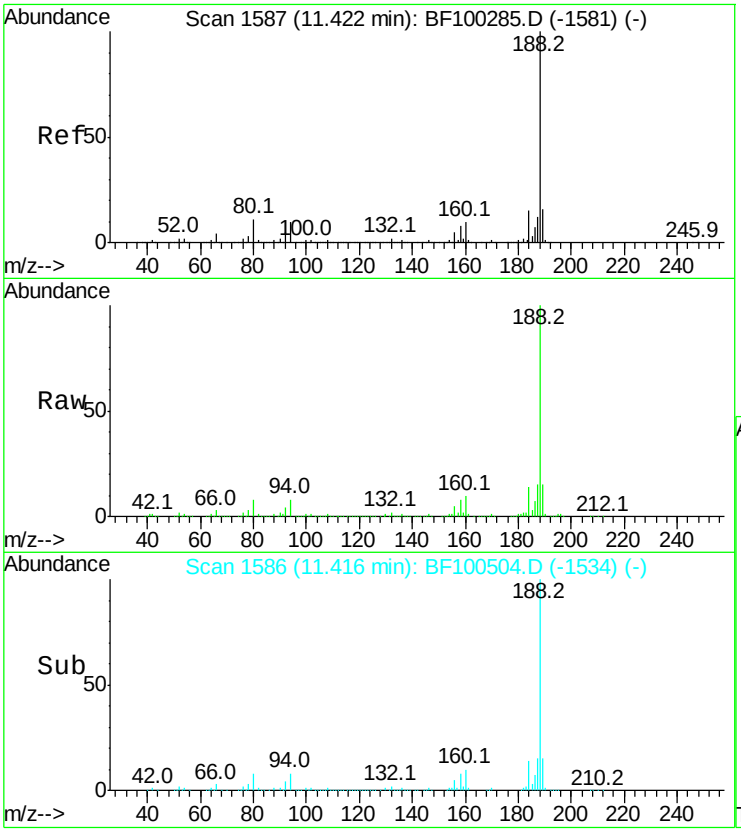


#57
Fluorene
Concen: 4.538 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:166 Resp: 47550

Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.8	119.8
167	13.0	10.6	16.0





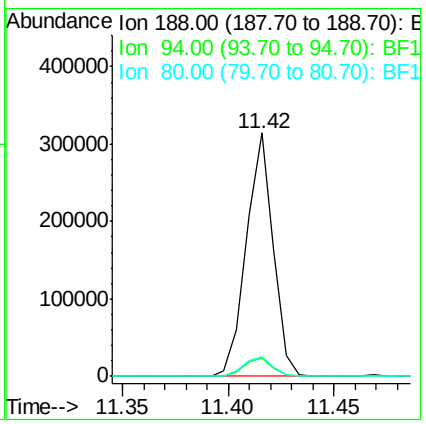
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

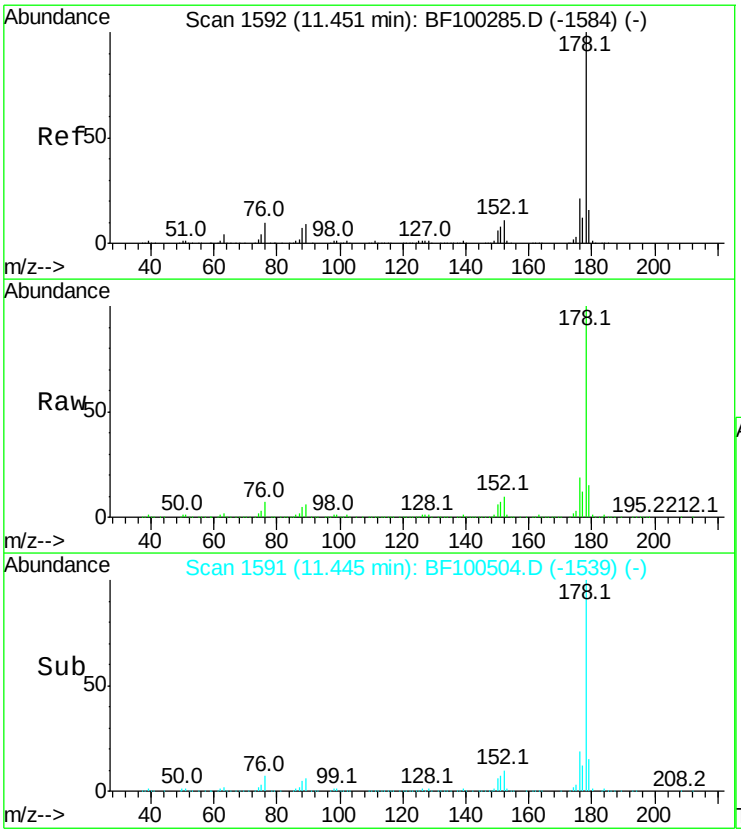
Tgt Ion:188 Resp: 276991

Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.0	9.2	13.8#

Instrument :
BNA_F
ClientSampleId :
MH-110917-01

Manual Integrations APPROVED
SOHIL
11/14/2017 5:20:20 PM

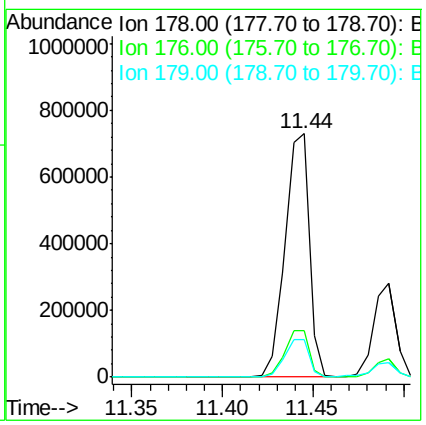


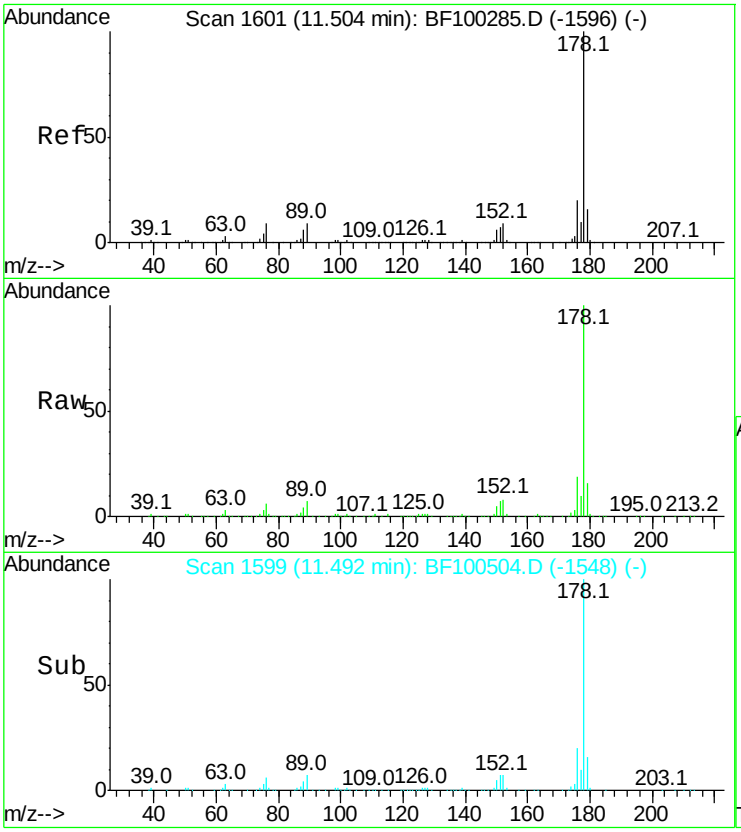


#70
Phenanthrene
Concen: 47.119 ng
RT: 11.44 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:178 Resp: 687185

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.3	13.0	19.6

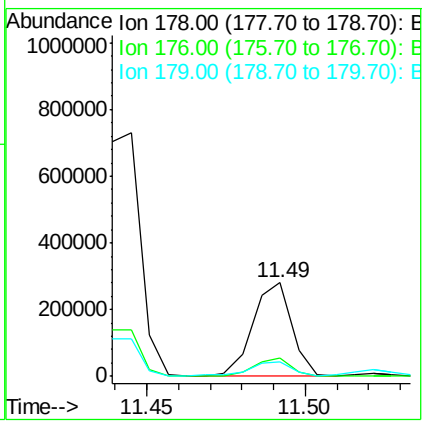




#71
Anthracene
Concen: 15.920 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:178 Resp: 235559

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.6	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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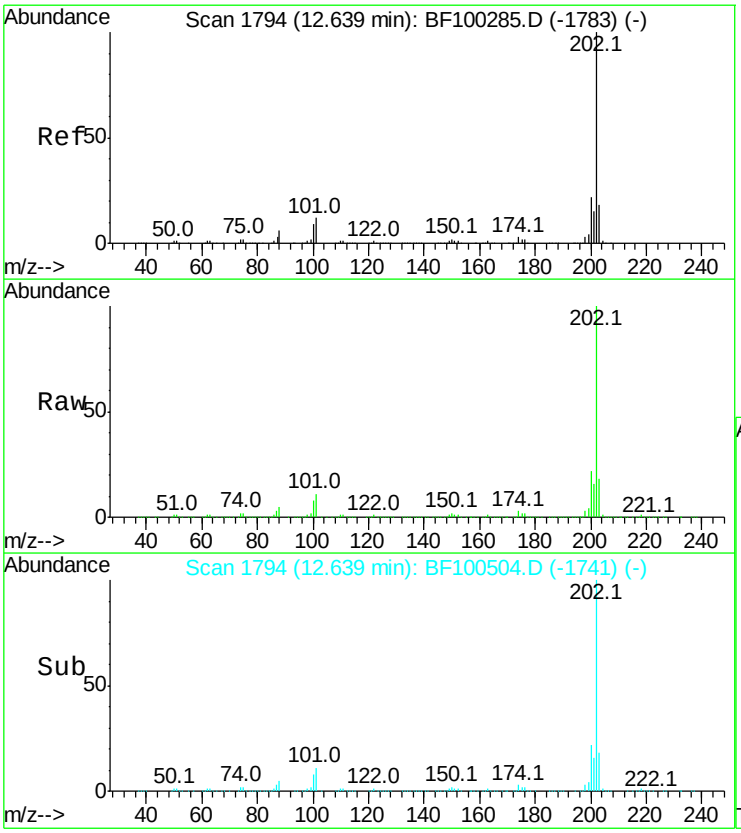
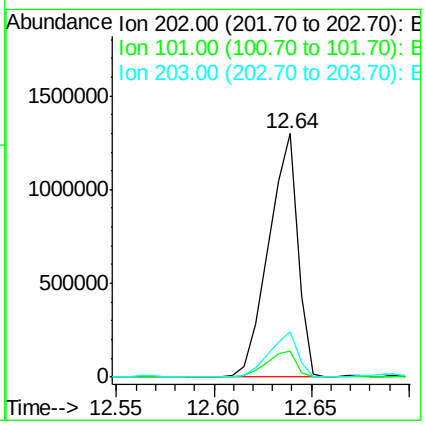
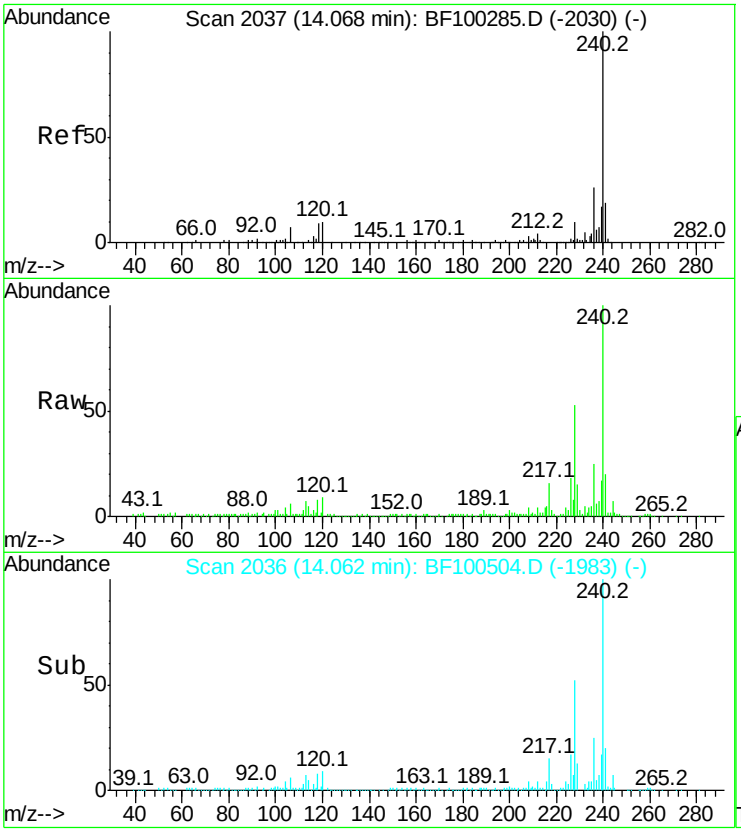


#74
Fluoranthene
Concen: 86.760 ng
RT: 12.64 min Scan# 1794
Delta R.T. 0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:202 Resp: 1340986

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	18.3	0.0	38.1

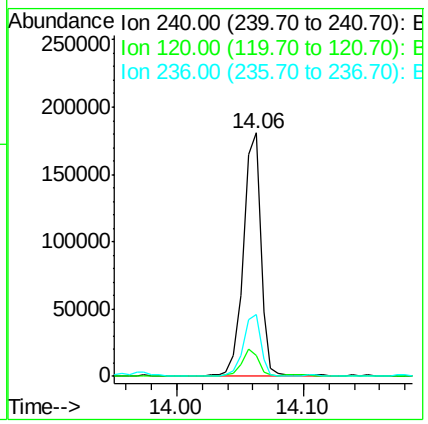




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:240 Resp: 170197

Ion	Ratio	Lower	Upper
240	100		
120	8.8	9.5	14.3#
236	25.2	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
MH-110917-01

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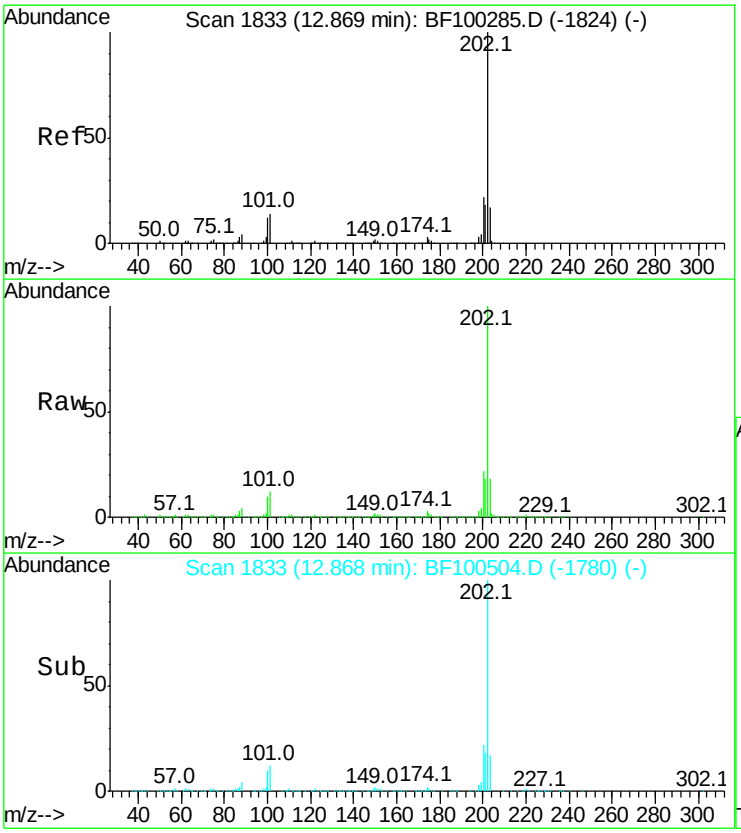
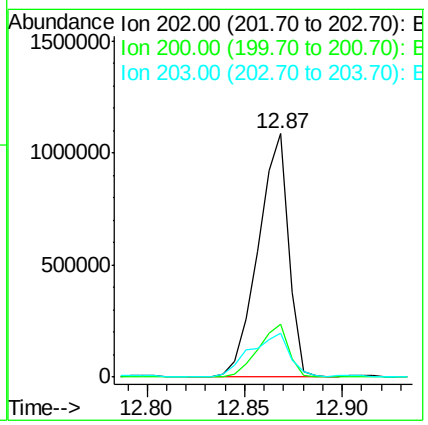
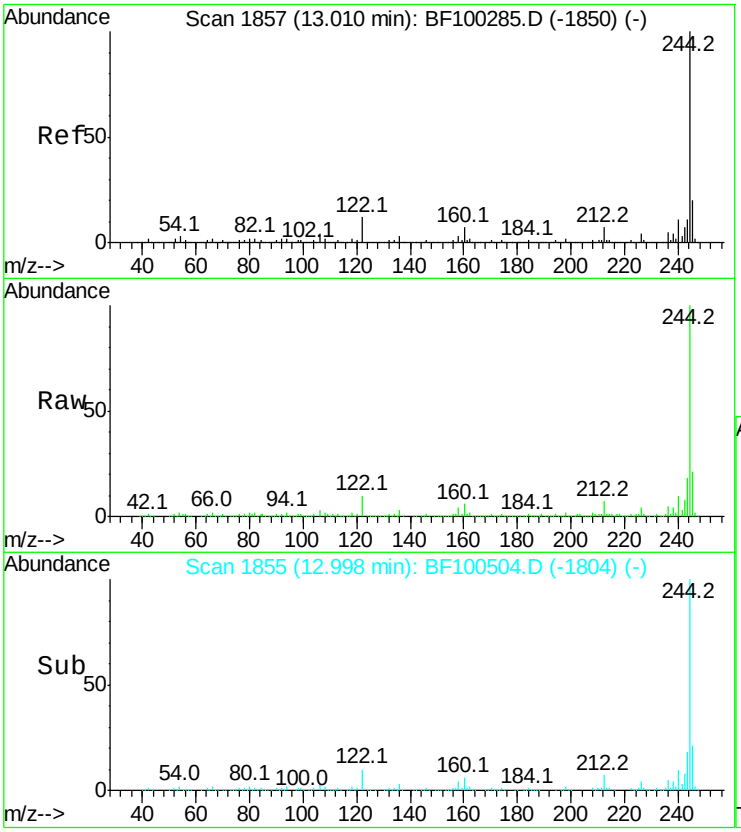


#77
Pyrene
Concen: 96.661 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:202 Resp: 1172724

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.8	14.3	21.5

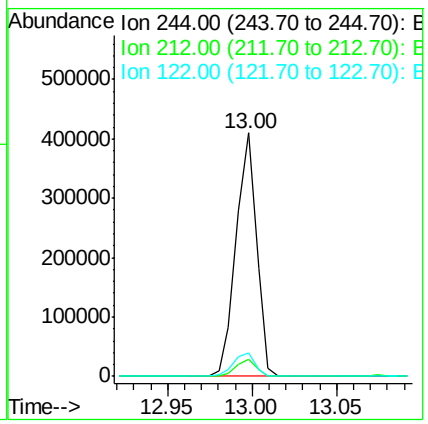




#78
Terphenyl-d14
Concen: 46.655 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:244 Resp: 345582

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	9.7	11.0	16.4#



Instrument :
BNA_F
ClientSampleId :
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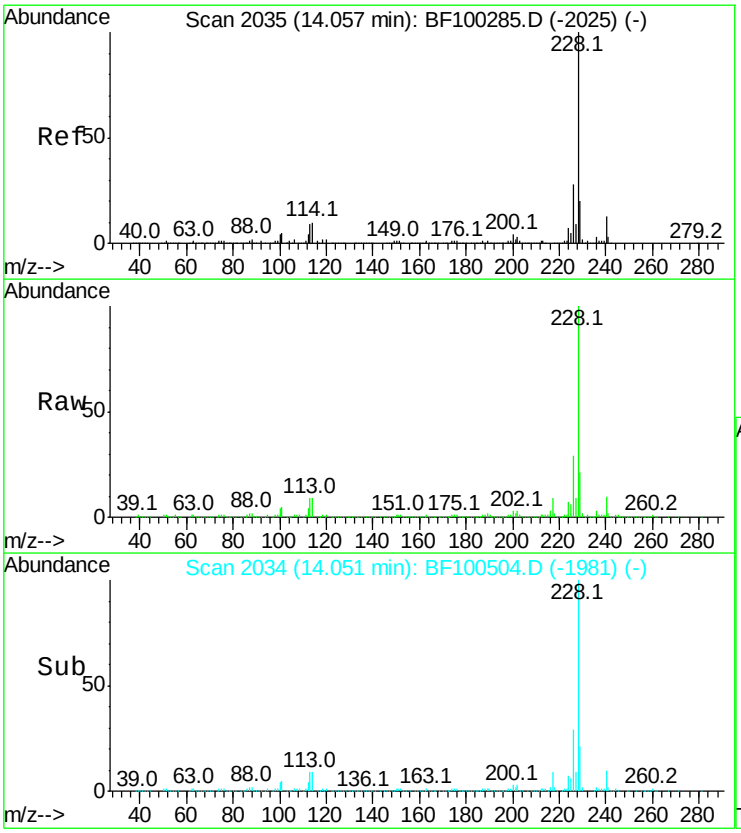
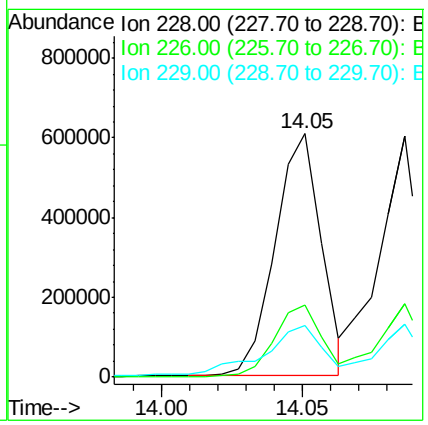
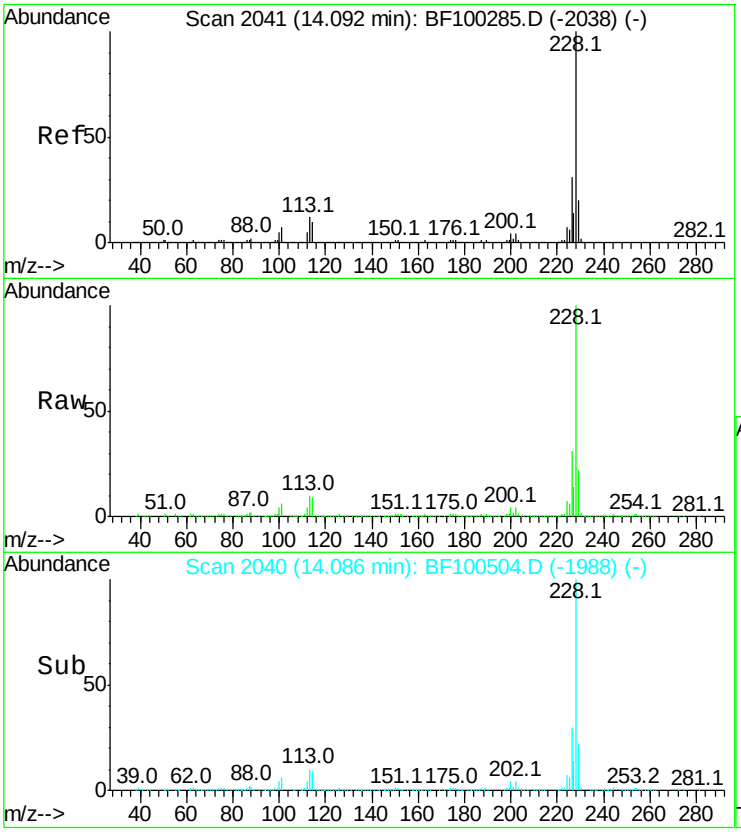


#80
Benzo(a)anthracene
Concen: 67.089 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:228 Resp: 687606

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	21.2	15.8	23.6

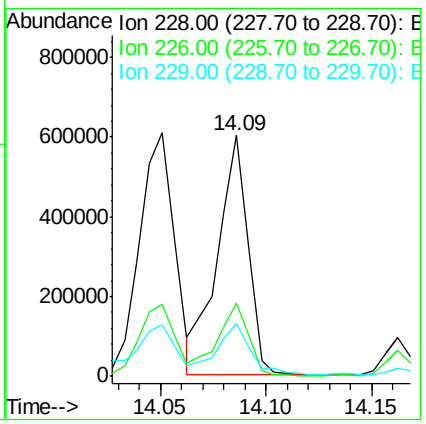




#82
Chrysene
Concen: 60.732 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:228 Resp: 602759

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.9	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
MH-110917-01

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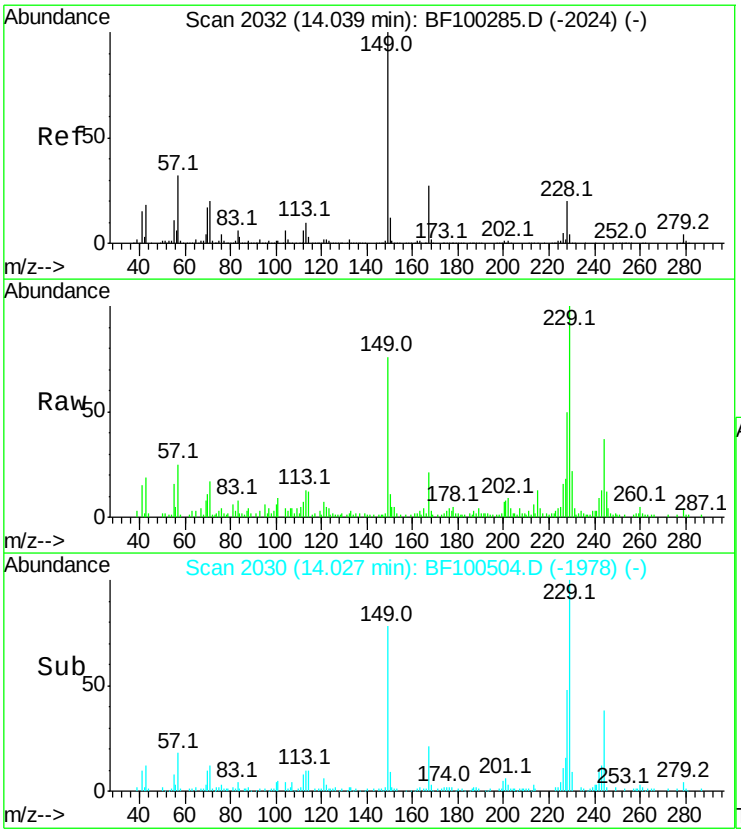
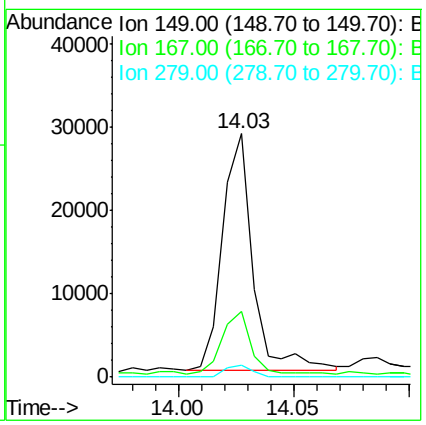
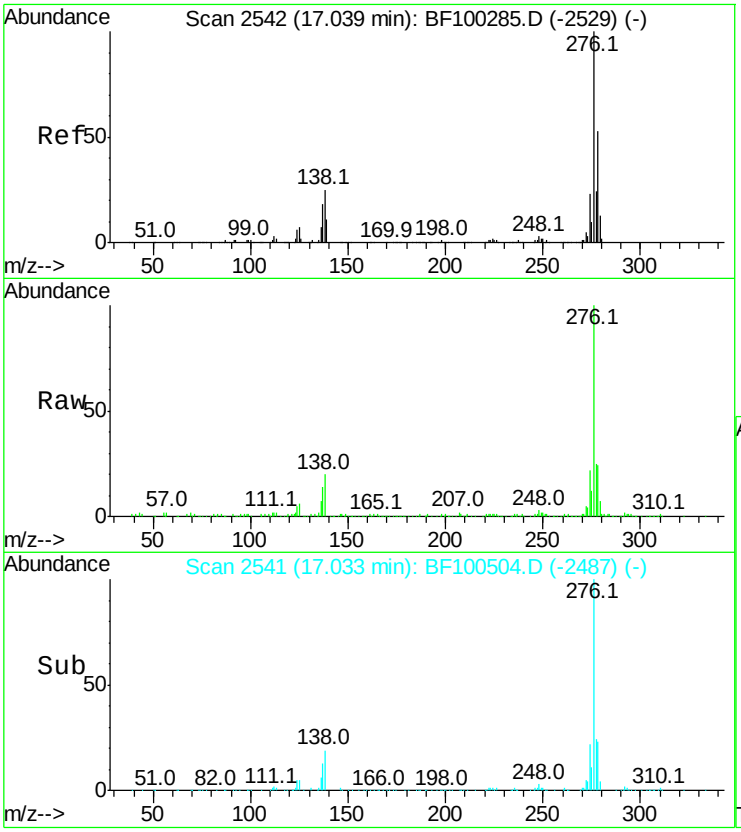


#83
Bis(2-ethylhexyl)phthalate
Concen: 3.981 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:149 Resp: 25905

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.3	31.9
279	4.8	3.0	4.4#

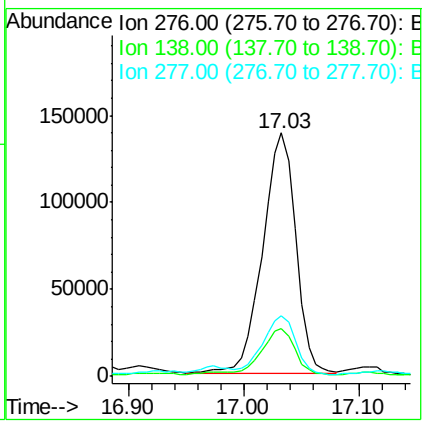




#85
Indeno(1,2,3-cd)pyrene
Concen: 34.817 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.02 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:276 Resp: 279503

Ion	Ratio	Lower	Upper
276	100		
138	19.0	25.0	37.6#
277	24.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
MH-110917-01

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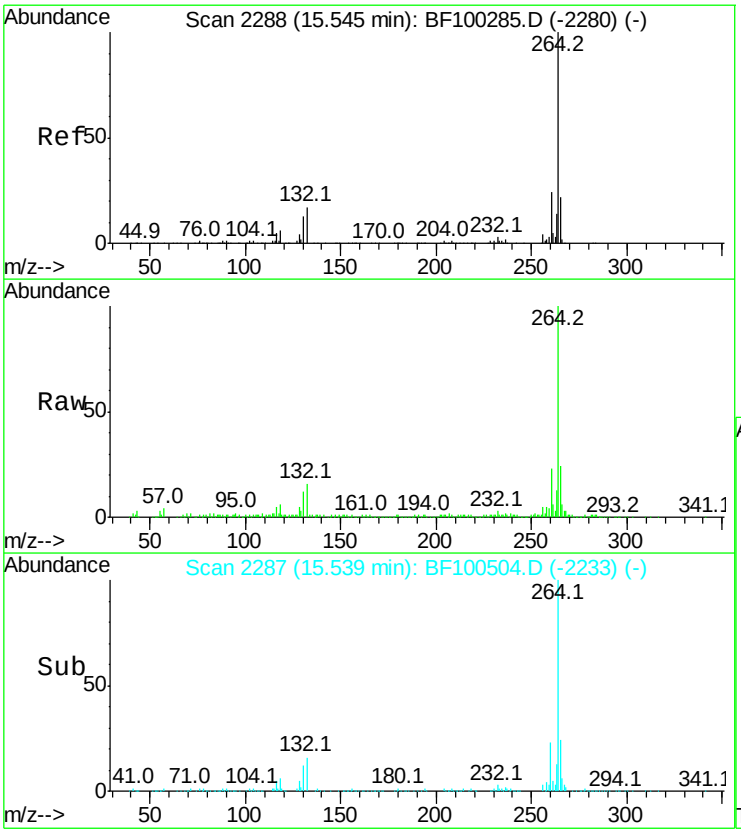
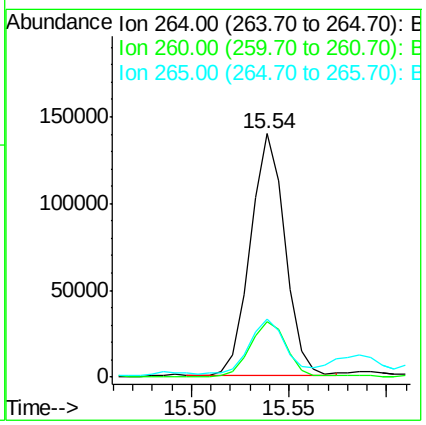
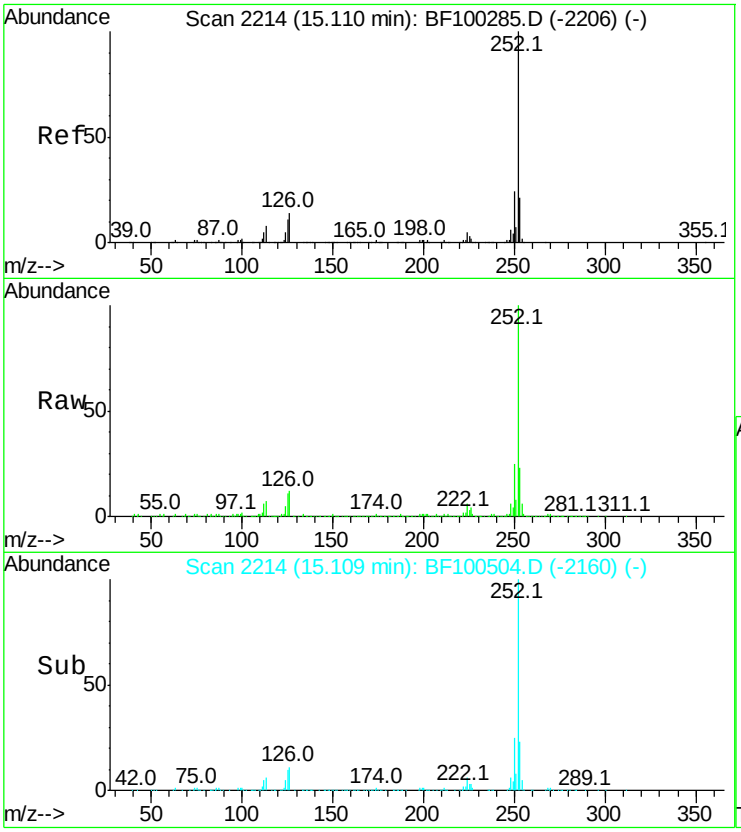


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.02 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:264 Resp: 171543

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	24.1	17.5	26.3

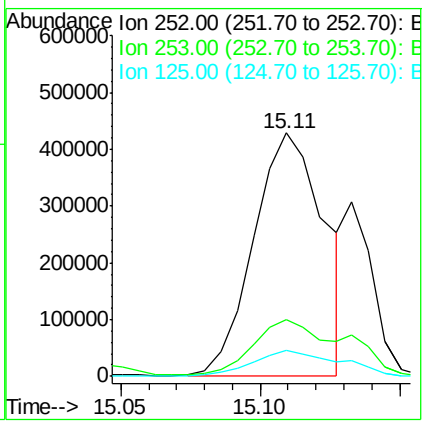




#87
Benzo(b)fluoranthene
Concen: 74.147 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:252 Resp: 753557

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	10.6	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
MH-110917-01

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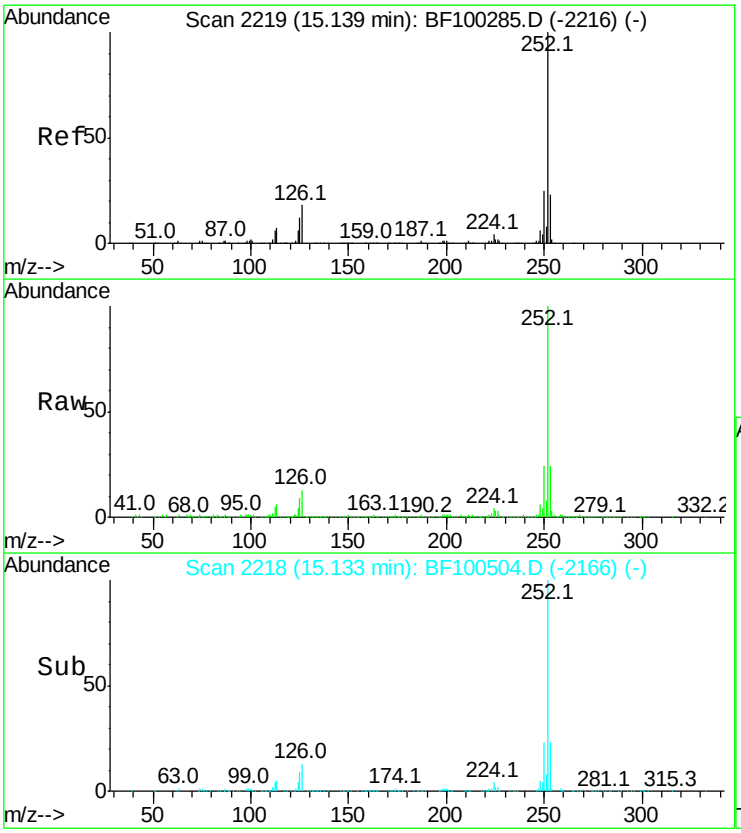
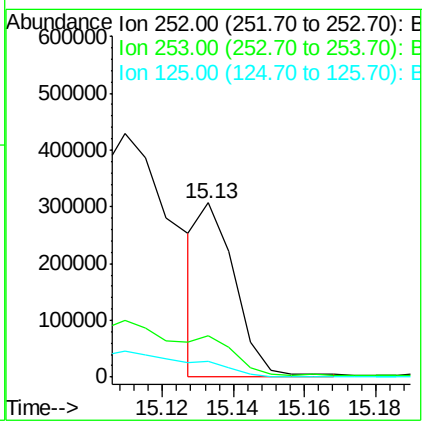
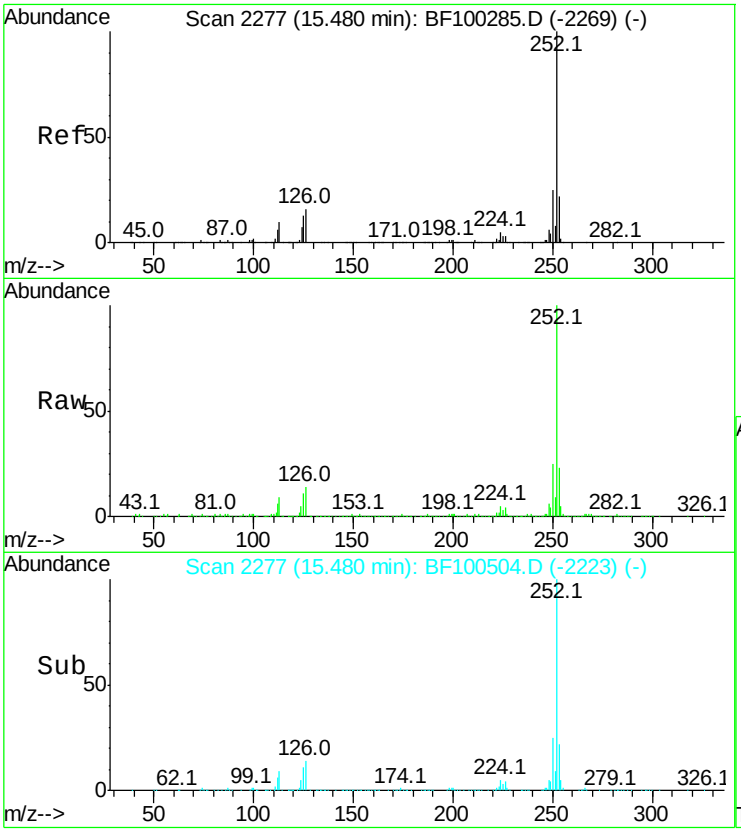


#88
Benzo(k)fluoranthene
Concen: 22.623 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:252 Resp: 217236

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	9.2	10.2	15.2#

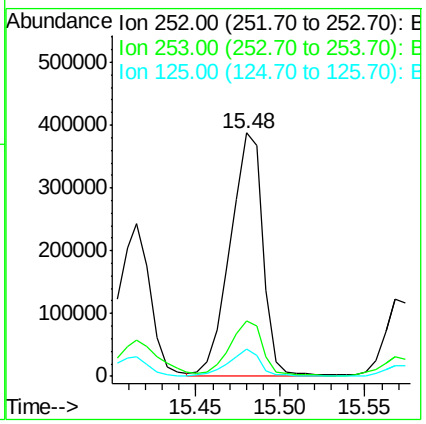




#89
Benzo(a)pyrene
Concen: 57.545 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:252 Resp: 518474

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	11.2	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
MH-110917-01

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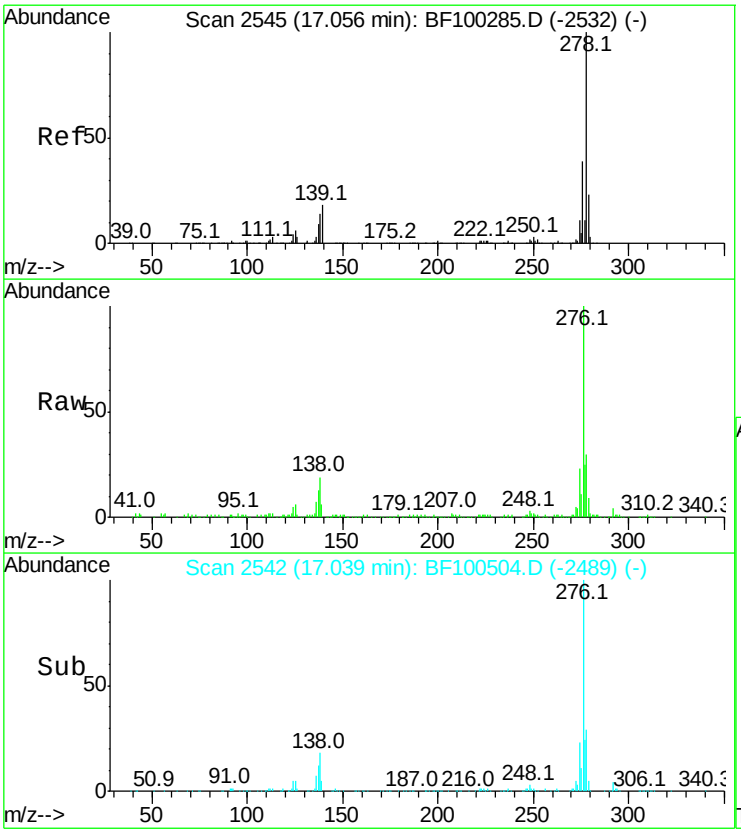
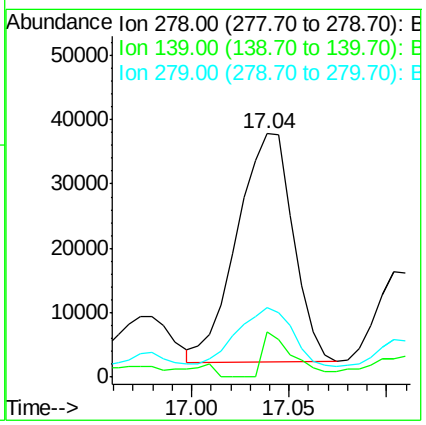
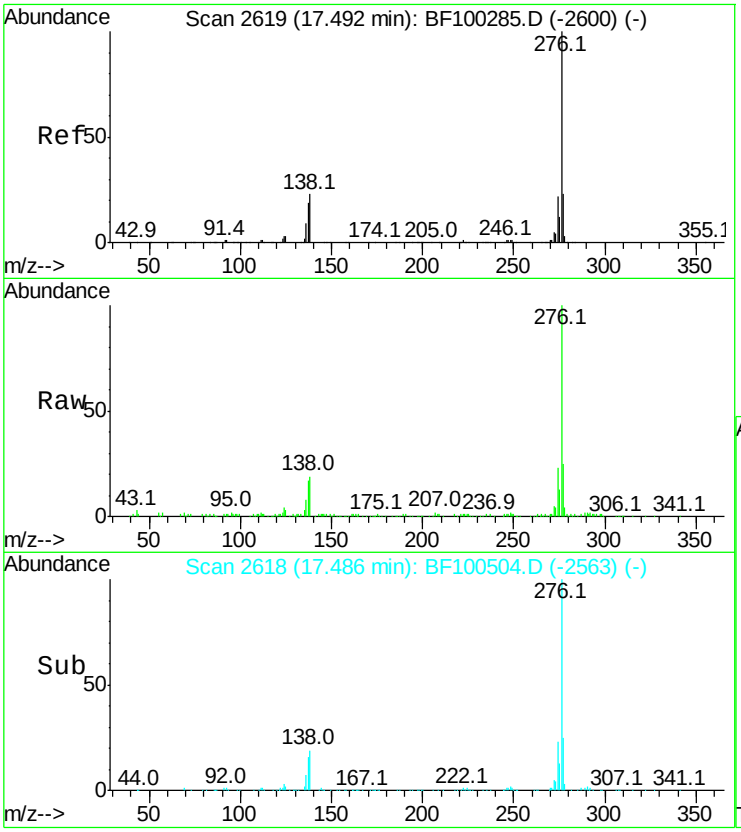


#90
Dibenzo(a,h)anthracene
Concen: 9.603 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:278 Resp: 70760

Ion	Ratio	Lower	Upper
278	100		
139	18.6	15.9	23.9
279	28.3	19.0	28.4

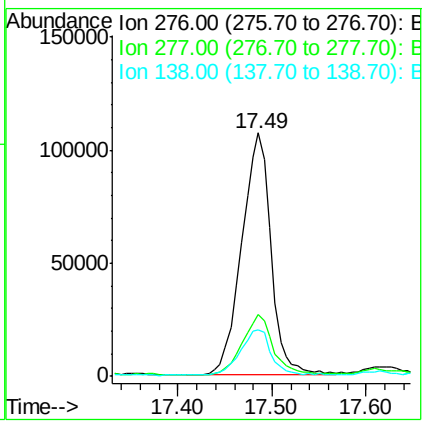




#91
Benzo(g,h,i)perylene
Concen: 31.975 ng
RT: 17.49 min Scan# 2618
Delta R.T. 0.02 min
Lab File: BF100504.D
Acq: 13 Nov 2017 16:23

Tgt Ion:276 Resp: 230629

Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	19.4	21.8	32.8#



Instrument :
BNA_F
ClientSampleId :
MH-110917-01

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