Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022018\
Data File : BF103119.D
Acq On : 20 Feb 2018 12:21
Operator : SJ/JU
Sample : J1600-03DL 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

Manual Integrations APPROVED
Sohil
2/21/2018 10:10:31 AM

Quant Time: Feb 20 16:06:43 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 16 14:34:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	148453	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	637031	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	291048	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	490770	20.00	ng	0.00
75) Chrysene-d12	14.04	240	306919	20.00	ng	-0.01
86) Perylene-d12	15.54	264	294739	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	7928	0.81	ng	0.00
7) Phenol-d6	6.52	99	9950	0.85	ng	0.00
23) Nitrobenzene-d5	7.44	82	6333	0.69	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	1812	0.77	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	8534	0.49	ng	-0.01
78) Terphenyl-d14	12.98	244	8106	0.63	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.18	128	672773	21.616	ng	100
37) 2-Methylnaphthalene	8.87	142	94032	4.615	ng	99
51) Acenaphthene	9.95	154	322036	17.965	ng	98
54) Dibenzofuran	10.12	168	287625	11.385	ng	98
57) Fluorene	10.46	166	351852	19.143	ng	99
70) Phenanthrene	11.43	178	1043190	38.166	ng	100
71) Anthracene	11.48	178	244223	8.785	ng	98
72) Carbazole	11.63	167	151860	5.576	ng	98
74) Fluoranthene	12.62	202	670063	24.366	ng	97
77) Pyrene	12.84	202	492531	20.465	ng	100
80) Benzo(a)anthracene	14.04	228	208030m	10.777	ng	
82) Chrysene	14.07	228	142833	7.341	ng	97
85) Indeno(1,2,3-cd)pyrene	17.04	276	71576	4.435	ng	95
87) Benzo(b)fluoranthene	15.10	252	167179m	8.749	ng	
88) Benzo(k)fluoranthene	15.13	252	65218m	3.572	ng	
89) Benzo(a)pyrene	15.48	252	136793	7.953	ng	99
91) Benzo(g,h,i)perylene	17.50	276	59963	4.388	ng	97

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

Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022018\
Data File : BF103119.D
Acq On : 20 Feb 2018 12:21
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BNA_F
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A2_SB69_BOT-S_10DL

Manual Integrations APPROVED
Sohil
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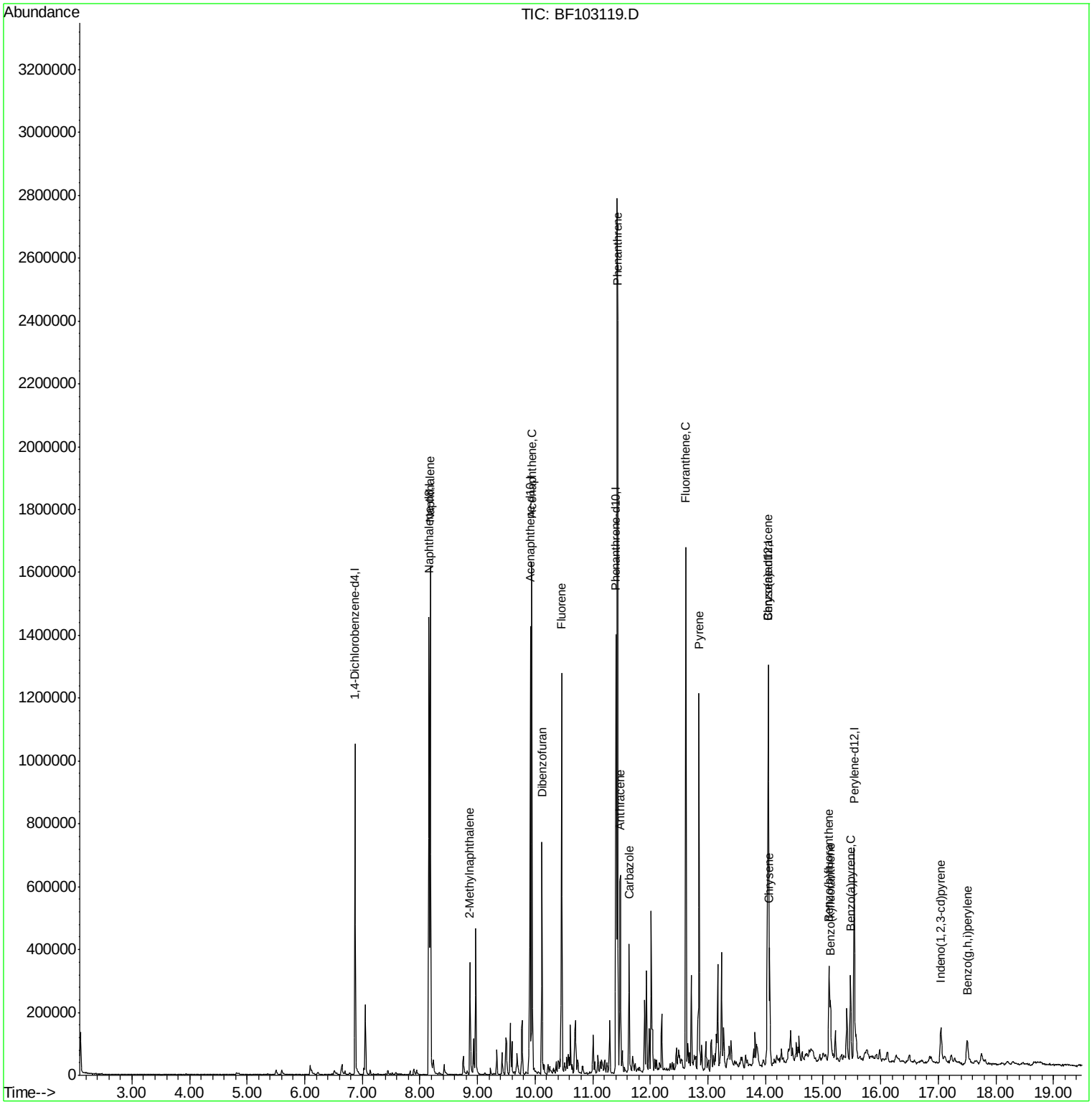
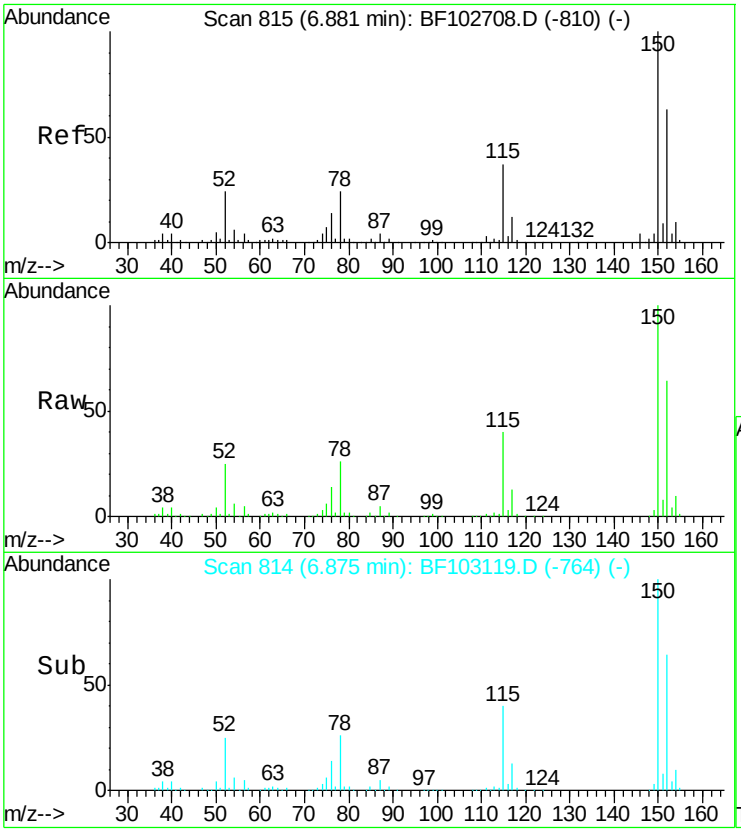
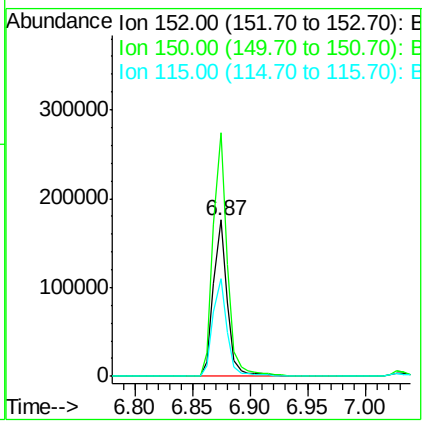




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

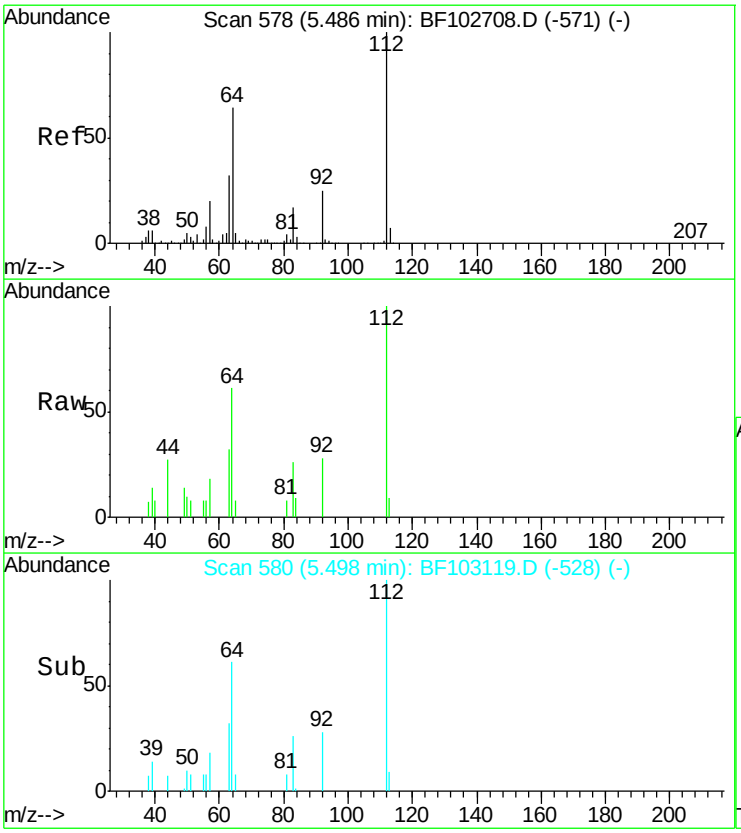
Tgt Ion:152 Resp: 148453

Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	62.2	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

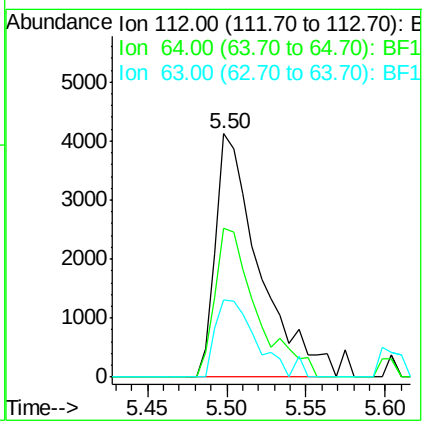
Manual Integrations APPROVED
Sohil
2/21/2018 10:10:31 AM

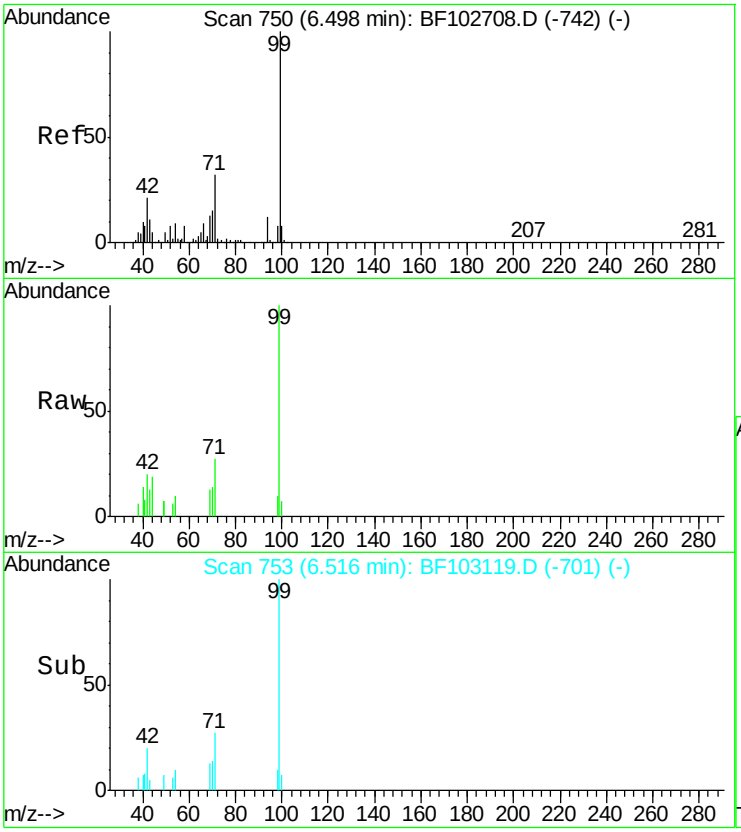


#5
2-Fluorophenol
Concen: 0.811 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:112 Resp: 7928

Ion	Ratio	Lower	Upper
112	100		
64	61.0	47.9	71.9
63	31.9	23.7	35.5

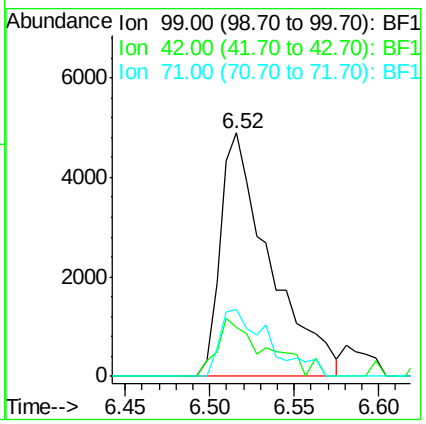




#7
Phenol-d6
Concen: 0.845 ng
RT: 6.52 min Scan# 753
Delta R.T. 0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion: 99 Resp: 9950

Ion	Ratio	Lower	Upper
99	100		
42	20.0	14.5	21.7
71	27.5	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

Manual Integrations APPROVED
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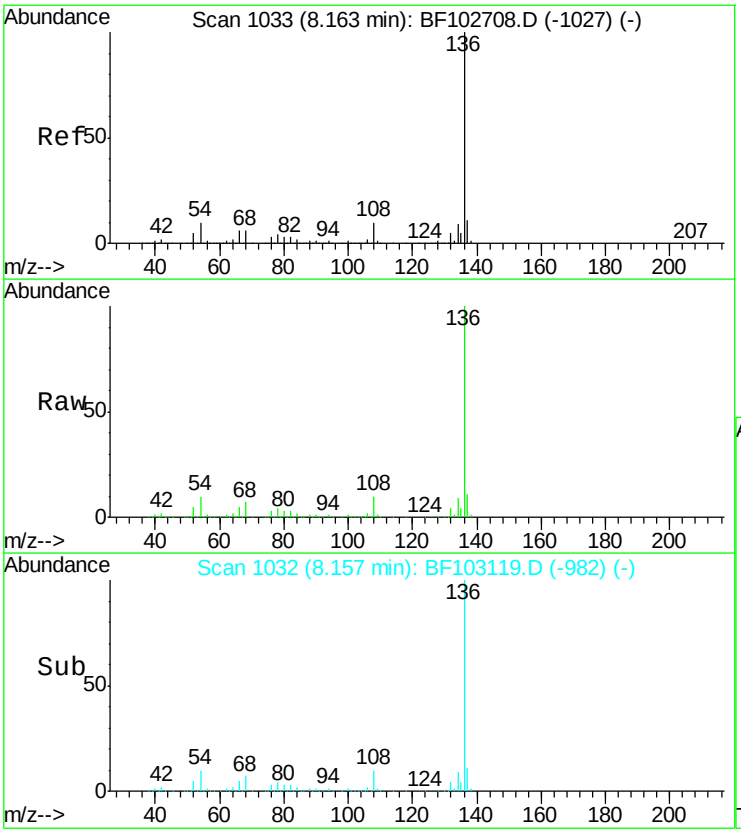
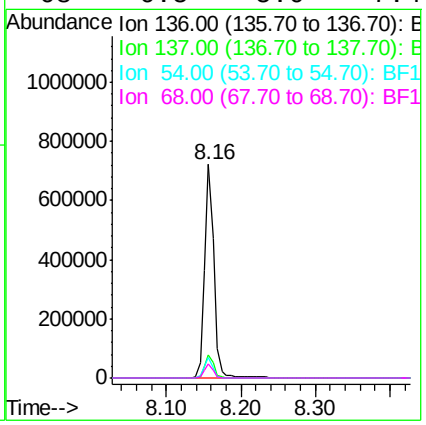
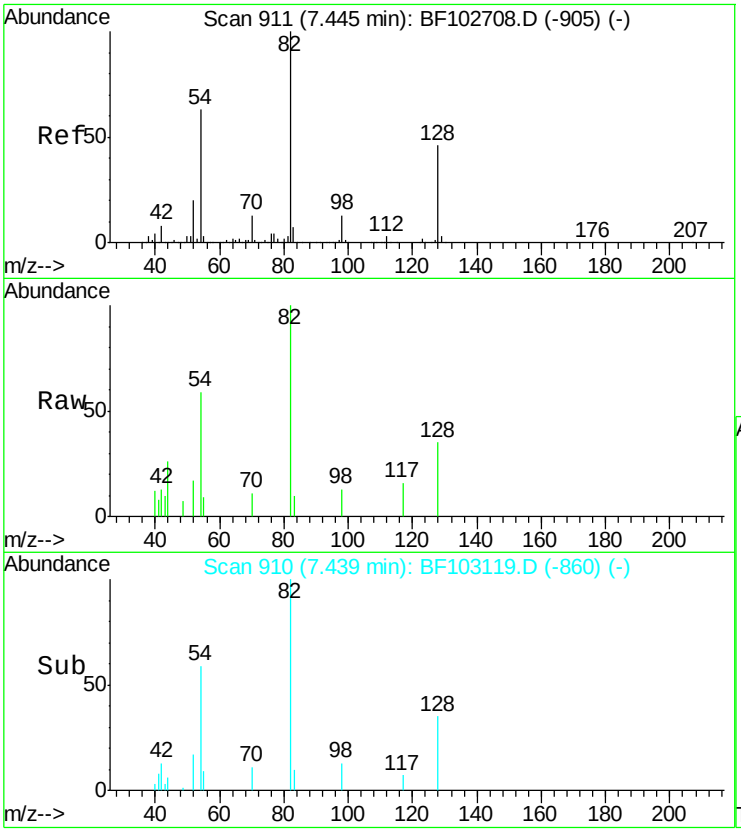


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:136 Resp: 637031

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.6	6.6	9.8
68	6.5	5.0	7.4

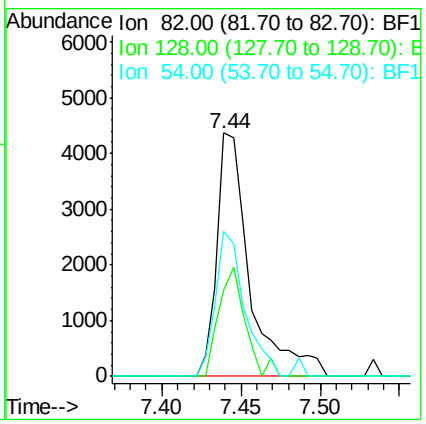




#23
Nitrobenzene-d5
Concen: 0.690 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion: 82 Resp: 6333

Ion	Ratio	Lower	Upper
82	100		
128	35.5	36.1	54.1#
54	59.4	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

Manual Integrations APPROVED
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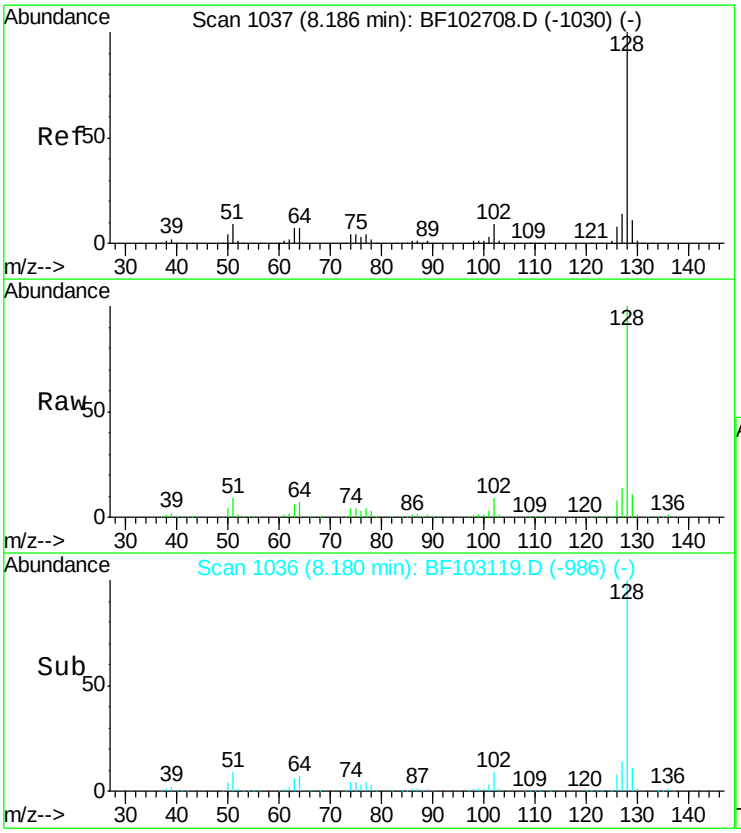
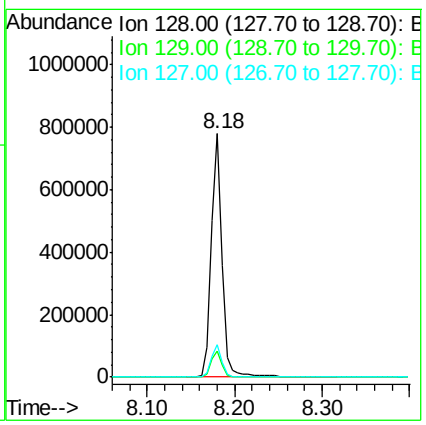
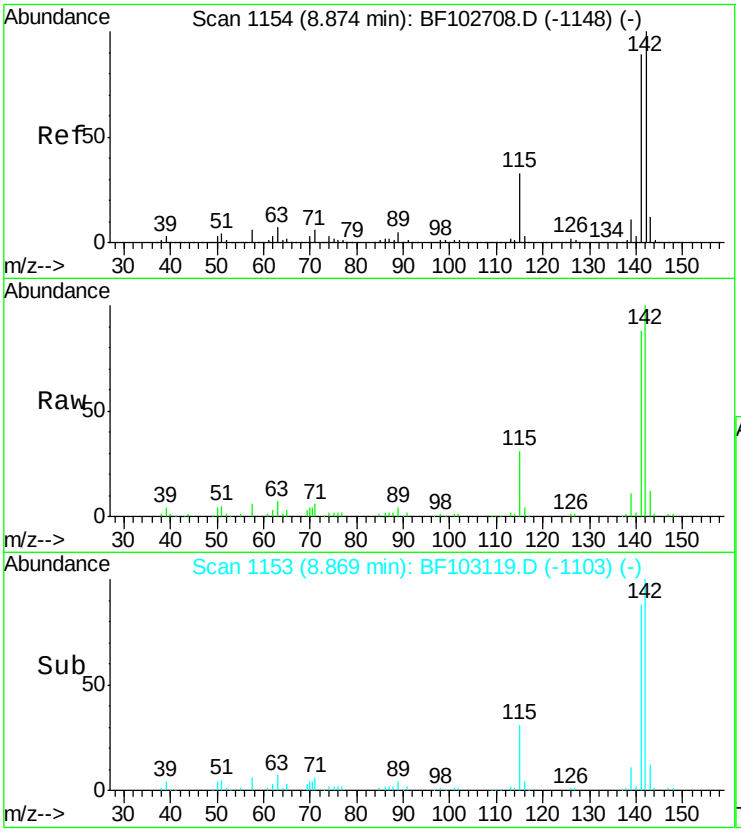


#31
Naphthalene
Concen: 21.616 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:128 Resp: 672773

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.5	10.9	16.3

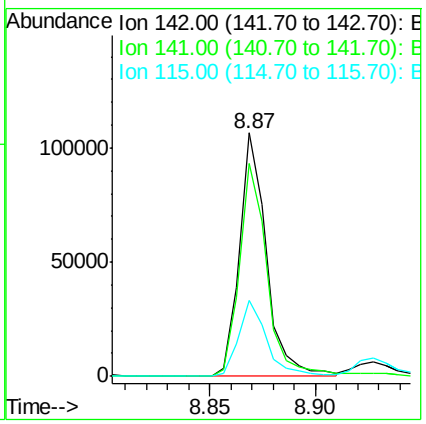




#37
2-Methylnaphthalene
Concen: 4.615 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:142 Resp: 94032

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.8	106.2
115	31.4	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

Manual Integrations APPROVED
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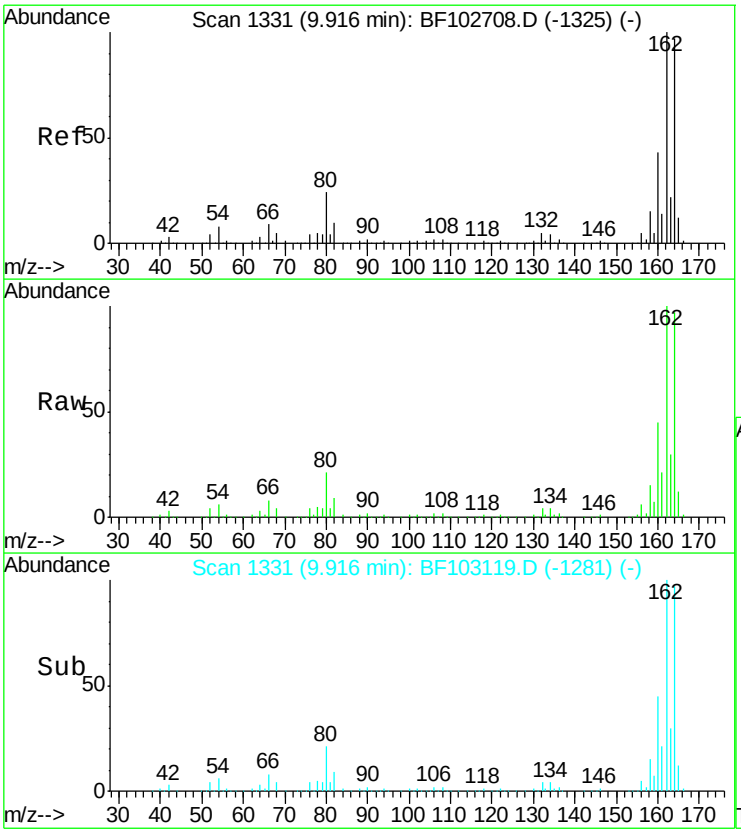
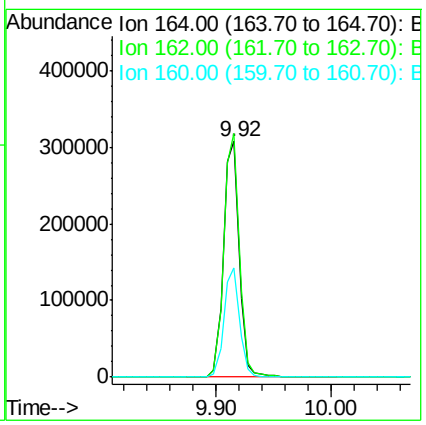
2/21/2018 10:10:31 AM

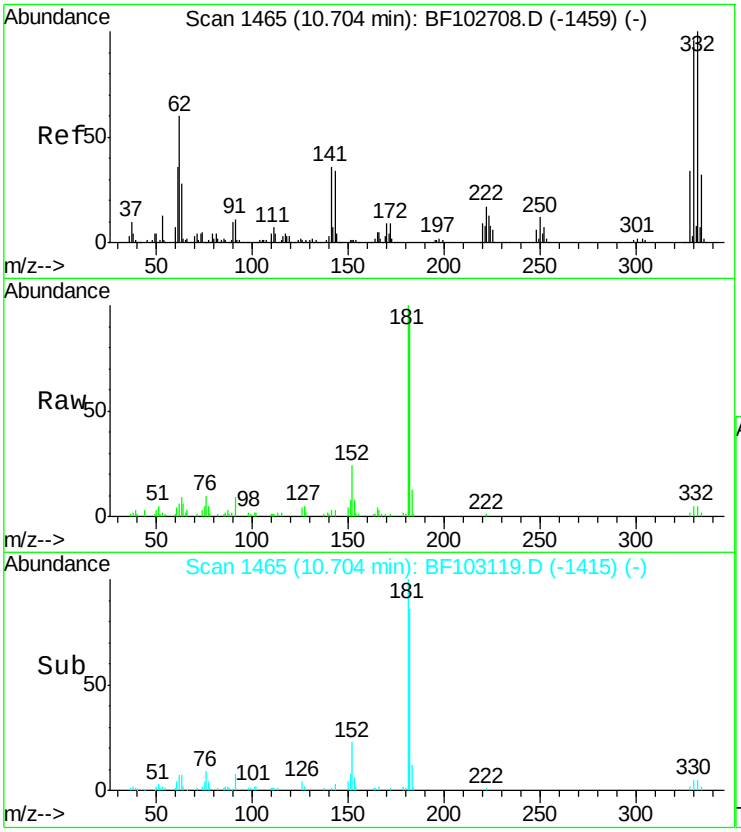


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:164 Resp: 291048

Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	46.5	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 0.774 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:330 Resp: 1812

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	67.3	29.9	44.9#

Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

Manual Integrations APPROVED
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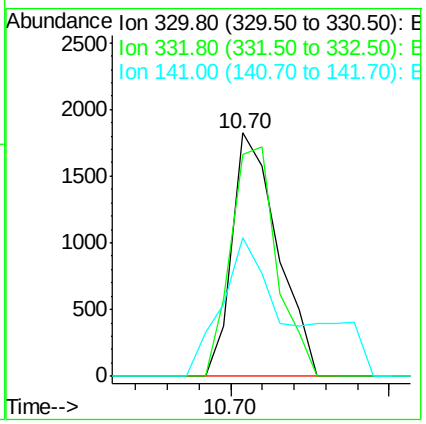
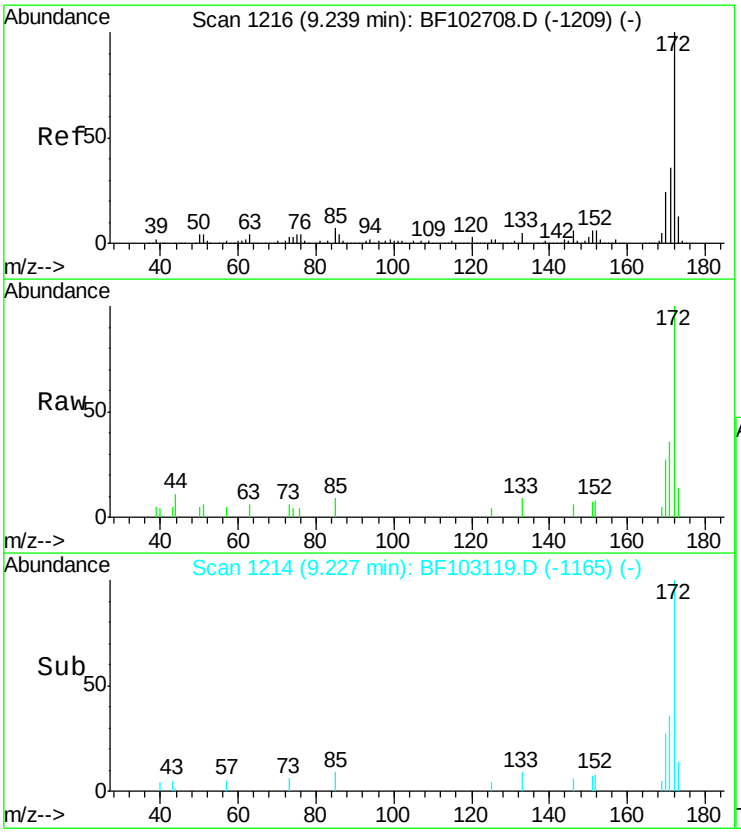
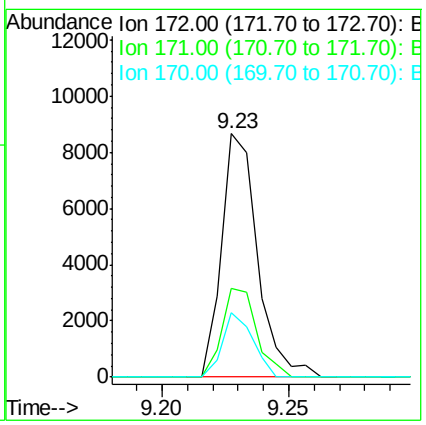


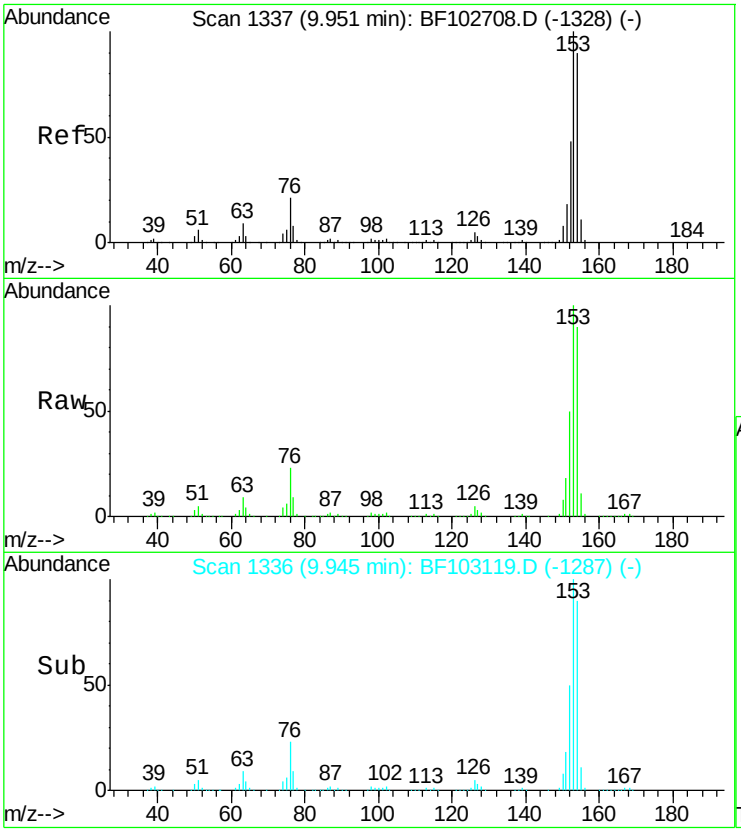


#44
2-Fluorobiphenyl
Concen: 0.487 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:172 Resp: 8534

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	26.5	19.6	29.4

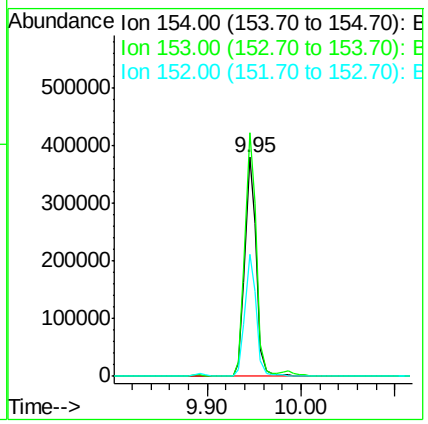




#51
Acenaphthene
Concen: 17.965 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

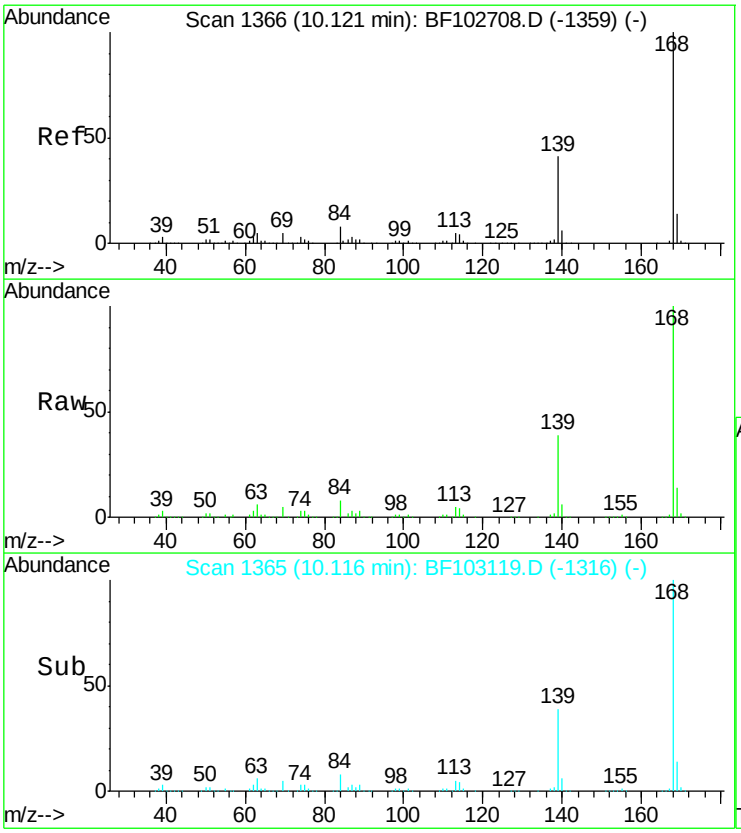
Tgt Ion:154 Resp: 322036

Ion	Ratio	Lower	Upper
154	100		
153	111.1	91.2	136.8
152	55.8	43.8	65.8



Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

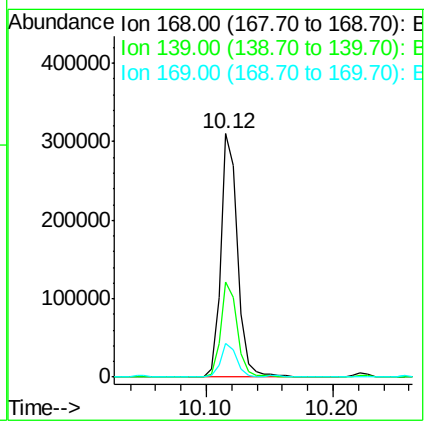
Manual Integrations APPROVED
Sohil
2/21/2018 10:10:31 AM

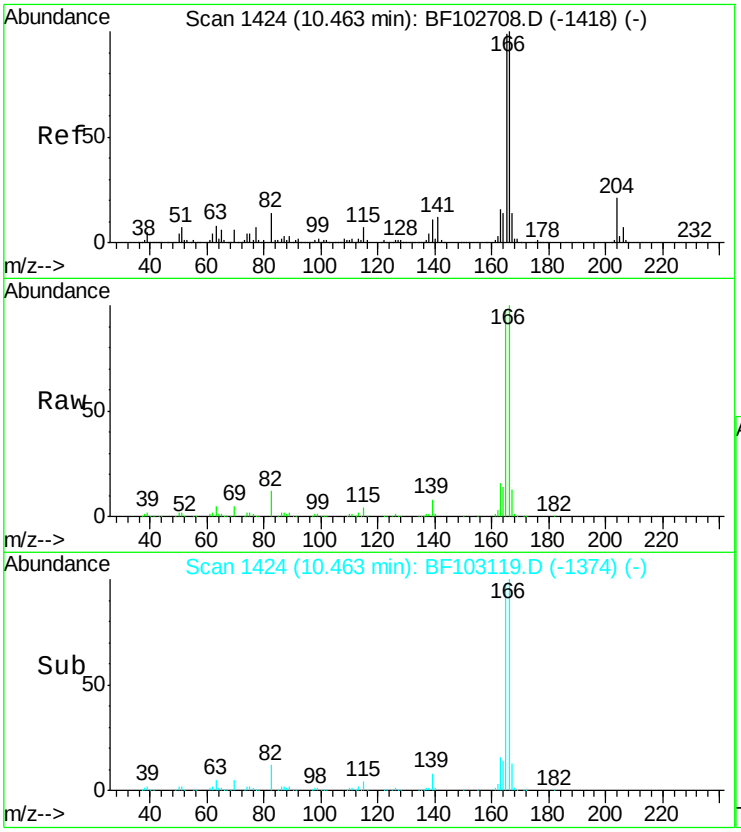


#54
Dibenzofuran
Concen: 11.385 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:168 Resp: 287625

Ion	Ratio	Lower	Upper
168	100		
139	39.3	30.1	45.1
169	13.6	10.9	16.3

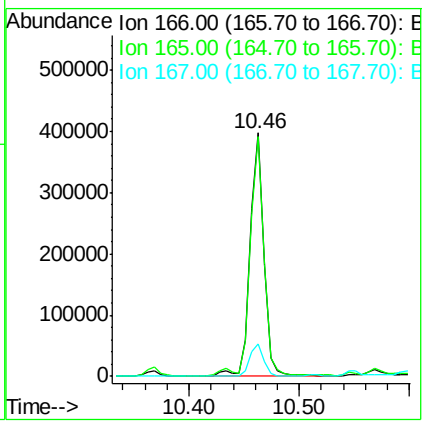




#57
Fluorene
Concen: 19.143 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

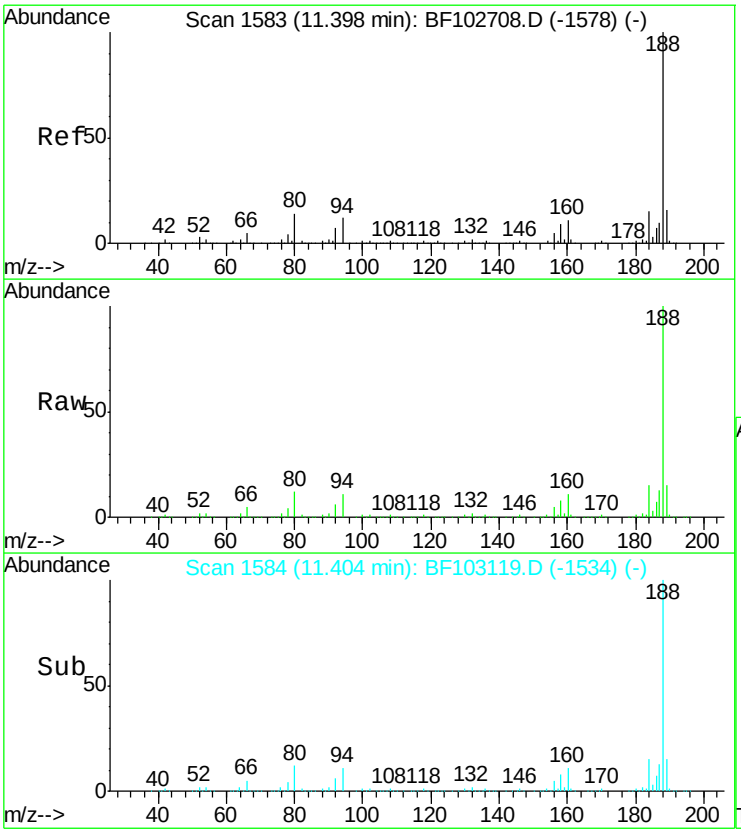
Tgt Ion:166 Resp: 351852

Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.8	119.8
167	13.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

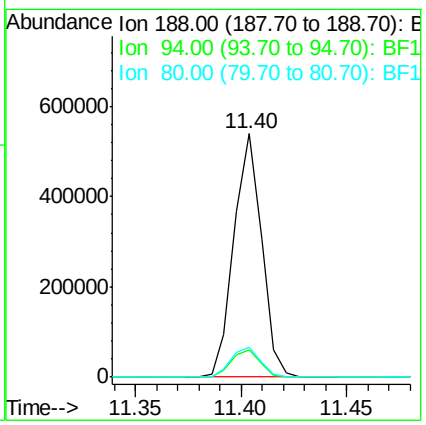
Manual Integrations APPROVED
Sohil
2/21/2018 10:10:31 AM

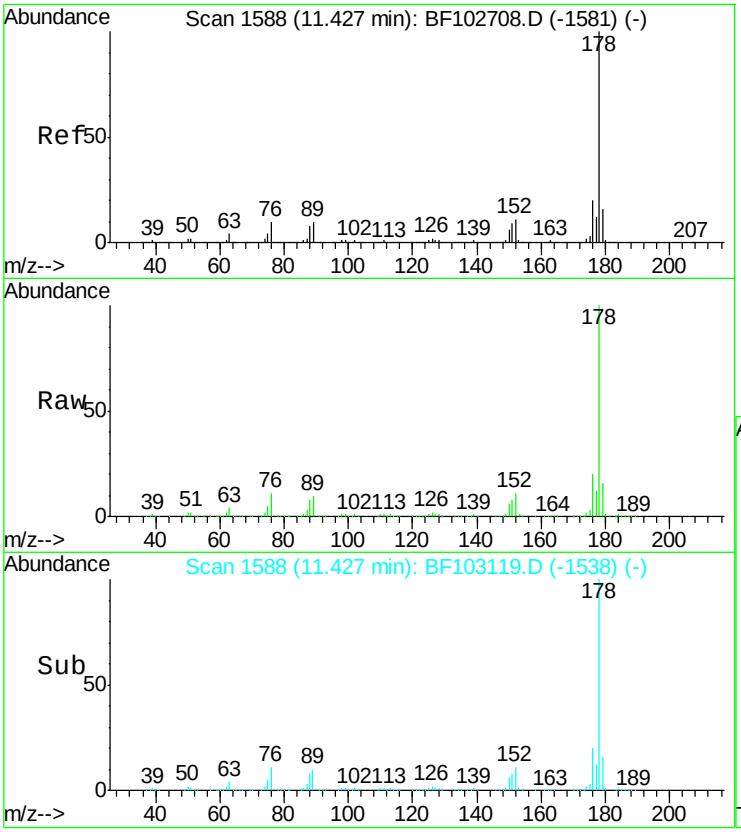


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:188 Resp: 490770

Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	12.3	9.2	13.8

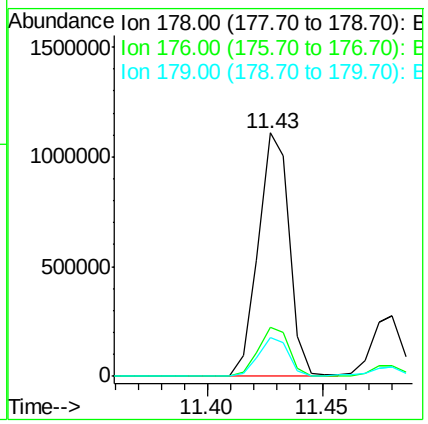




#70
Phenanthrene
Concen: 38.166 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

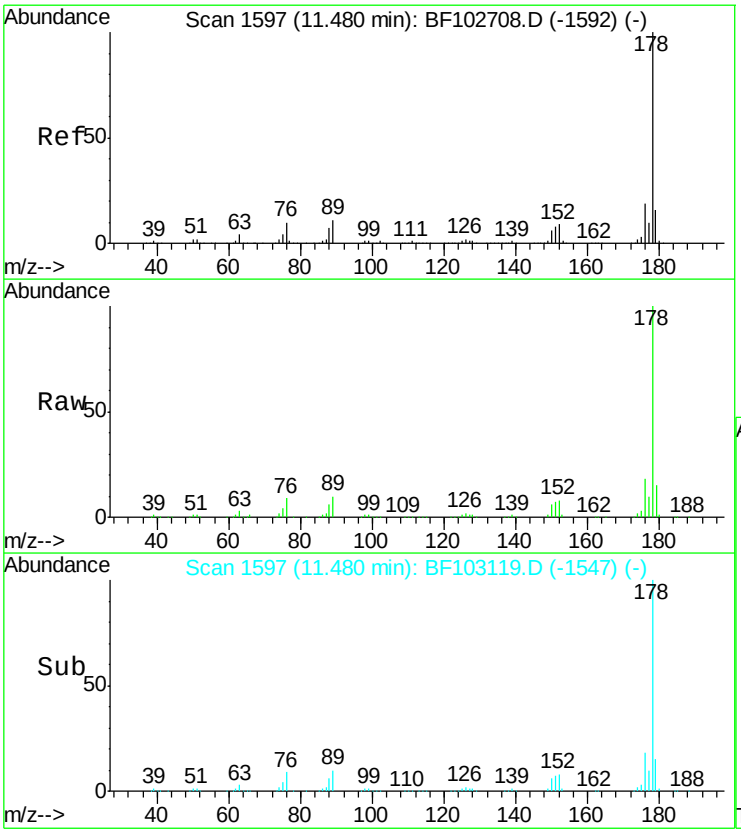
Tgt Ion:178 Resp: 1043190

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	16.1	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

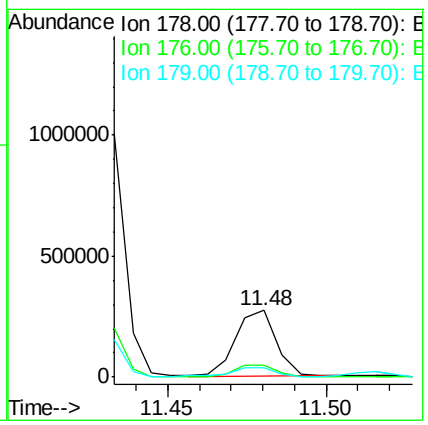
Manual Integrations APPROVED
Sohil
2/21/2018 10:10:31 AM

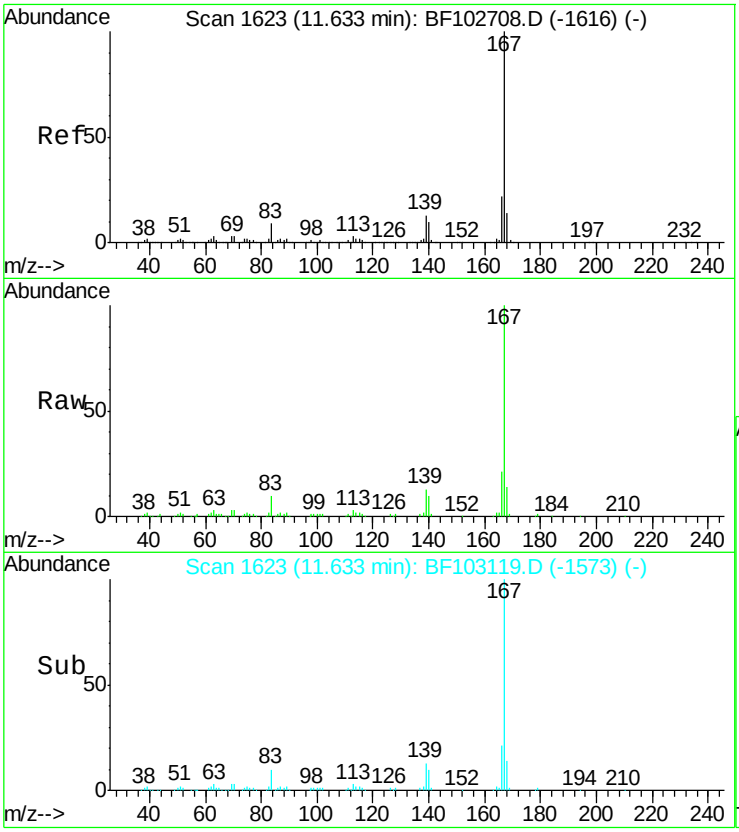


#71
Anthracene
Concen: 8.785 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:178 Resp: 244223

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	14.7	12.6	19.0

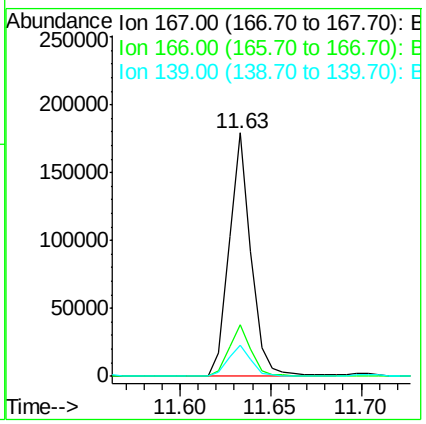




#72
Carbazole
Concen: 5.576 ng
RT: 11.63 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:167 Resp: 151860

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.6	26.4
139	12.7	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

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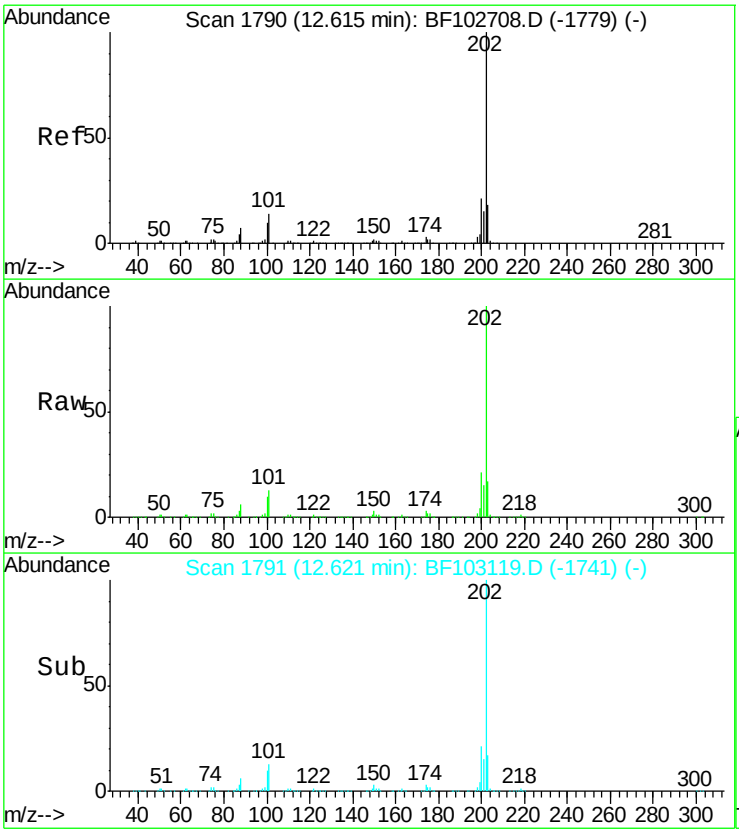
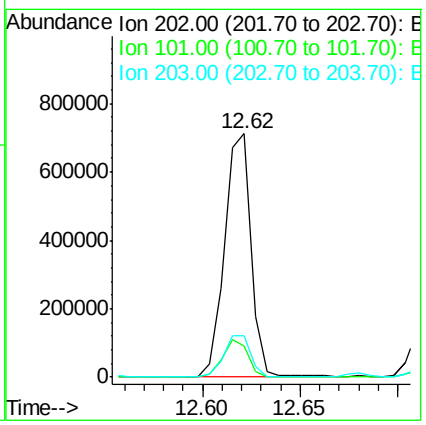
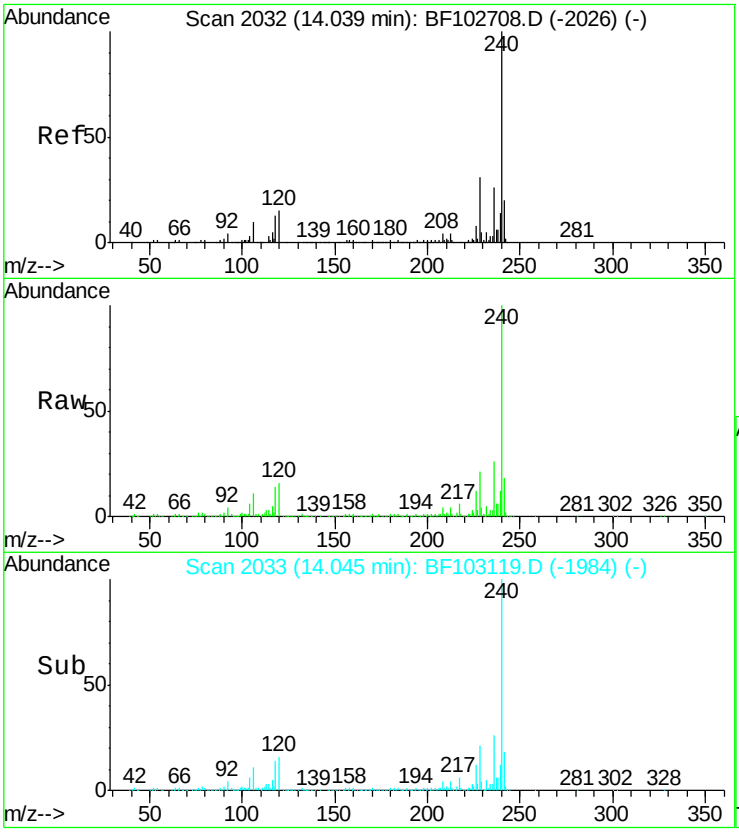


#74
Fluoranthene
Concen: 24.366 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:202 Resp: 670063

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.1
203	17.3	0.0	38.1

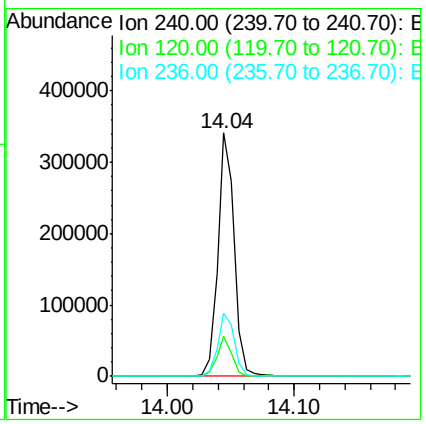




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:240 Resp: 306919

Ion	Ratio	Lower	Upper
240	100		
120	16.3	9.5	14.3#
236	25.9	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

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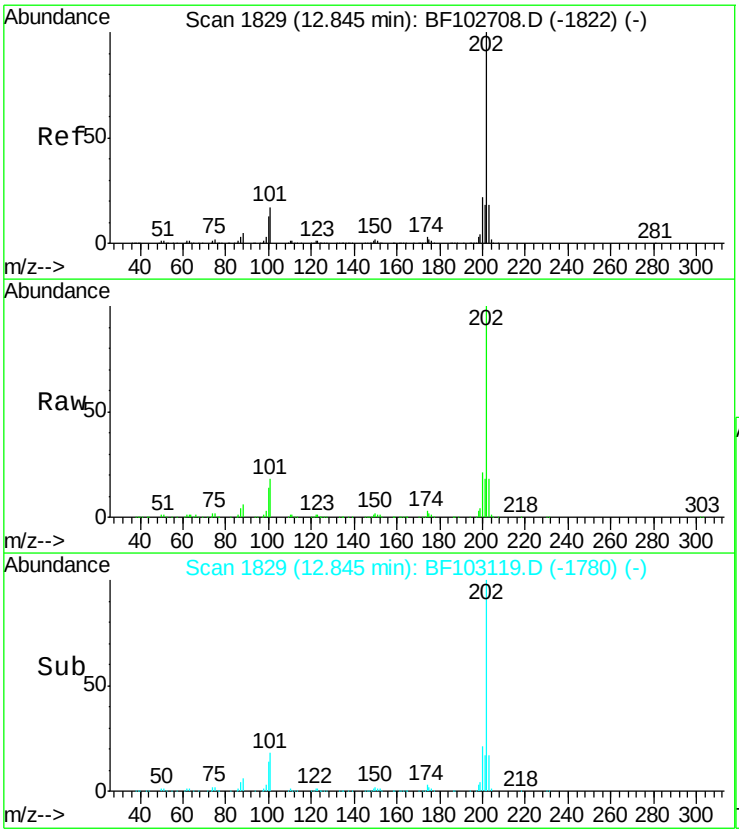
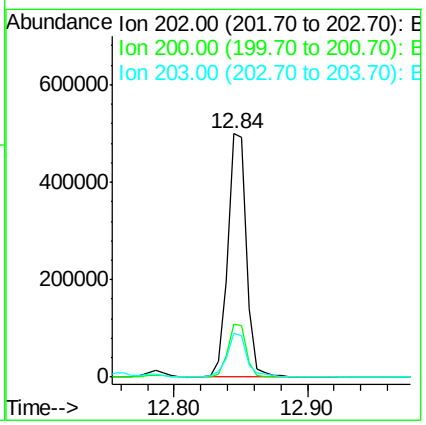
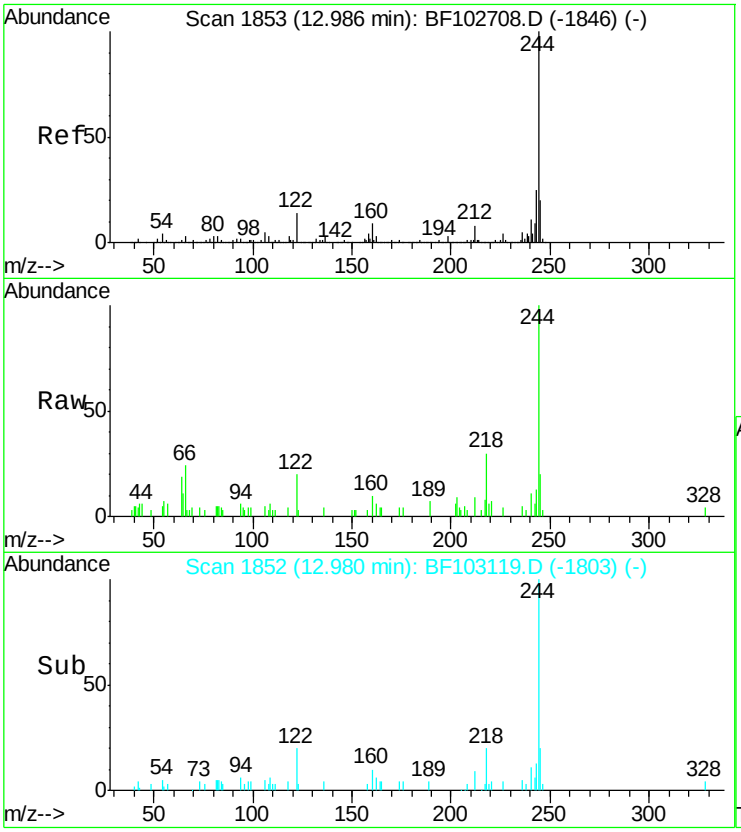


#77
Pyrene
Concen: 20.465 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:202 Resp: 492531

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.0	14.3	21.5

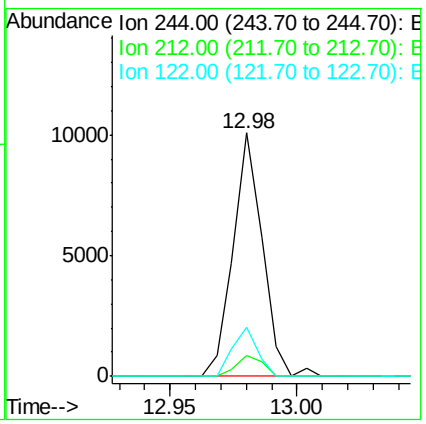




#78
Terphenyl-d14
Concen: 0.625 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:244 Resp: 8106

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.4	8.0#
122	20.2	11.0	16.4#



Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

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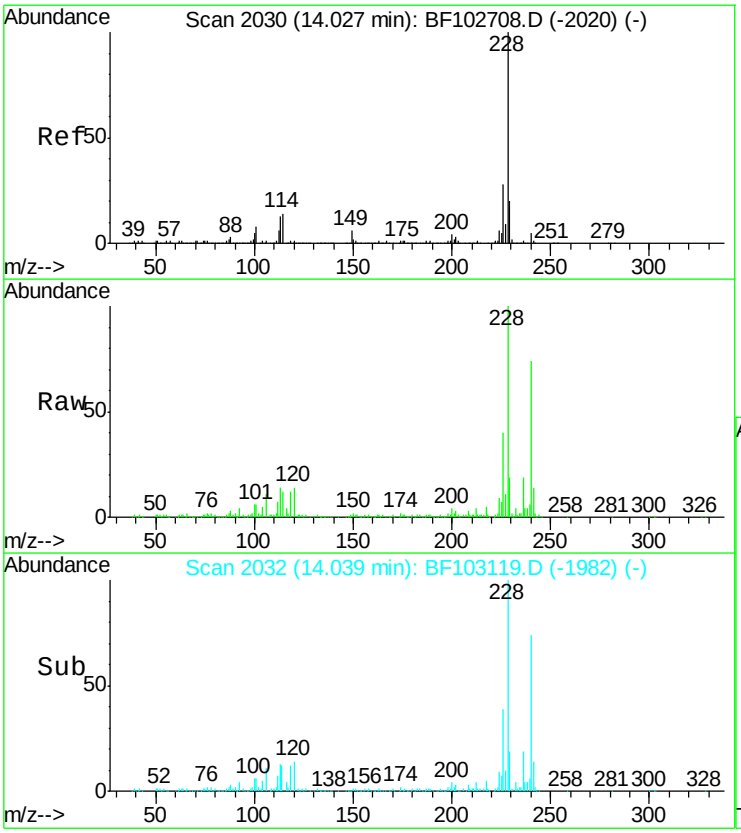
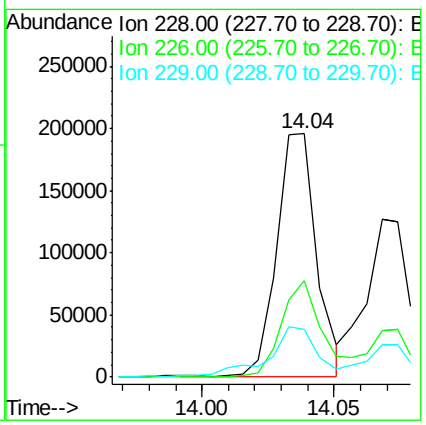
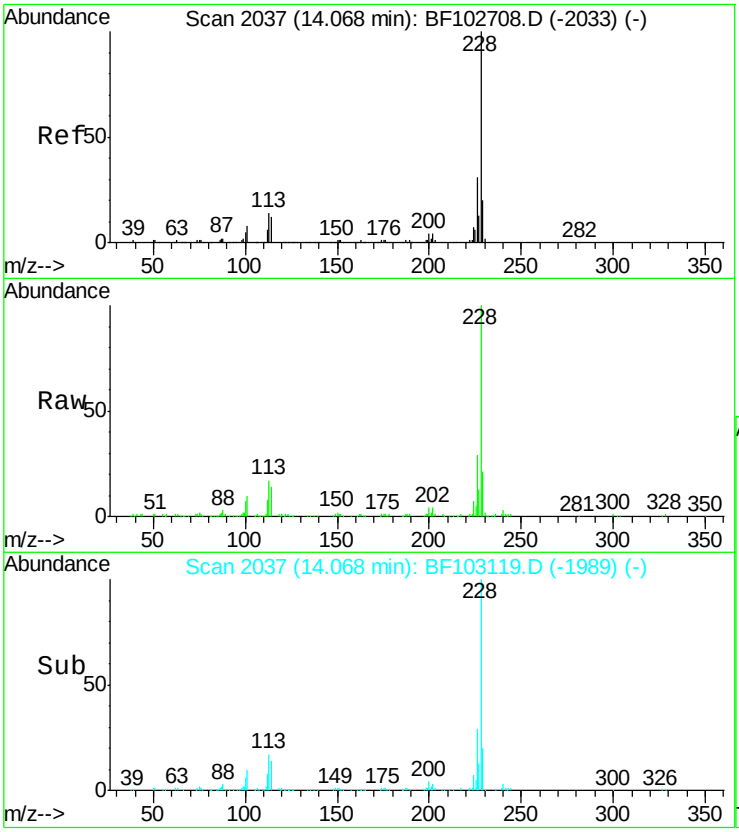


#80
Benzo(a)anthracene
Concen: 10.777 ng m
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:228 Resp: 208030

Ion	Ratio	Lower	Upper
228	100		
226	39.5	22.6	33.8#
229	19.5	15.8	23.6

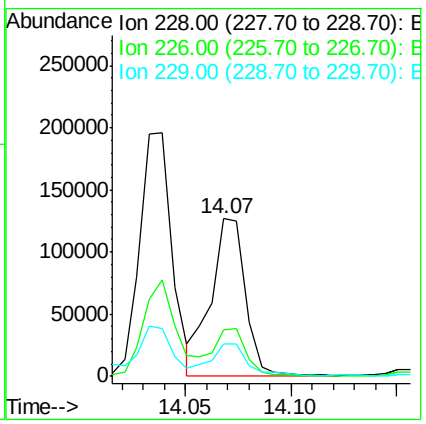




#82
Chrysene
Concen: 7.341 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.02 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:228 Resp: 142833

Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	21.0	16.2	24.4



Instrument :
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ClientSampleId :
A2_SB69_BOT-S_10DL

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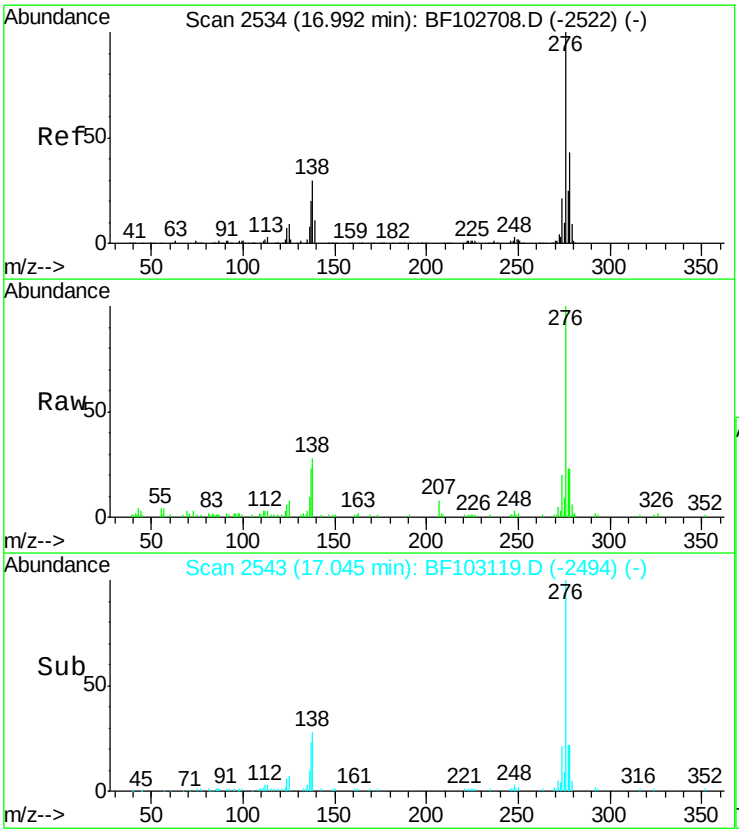
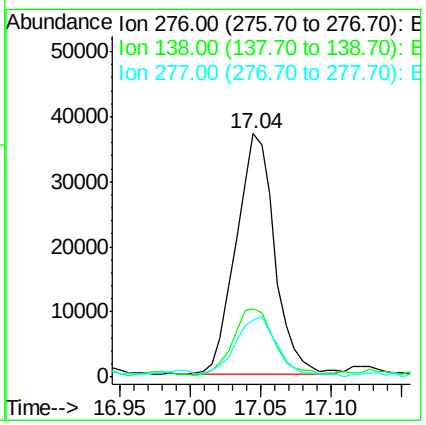
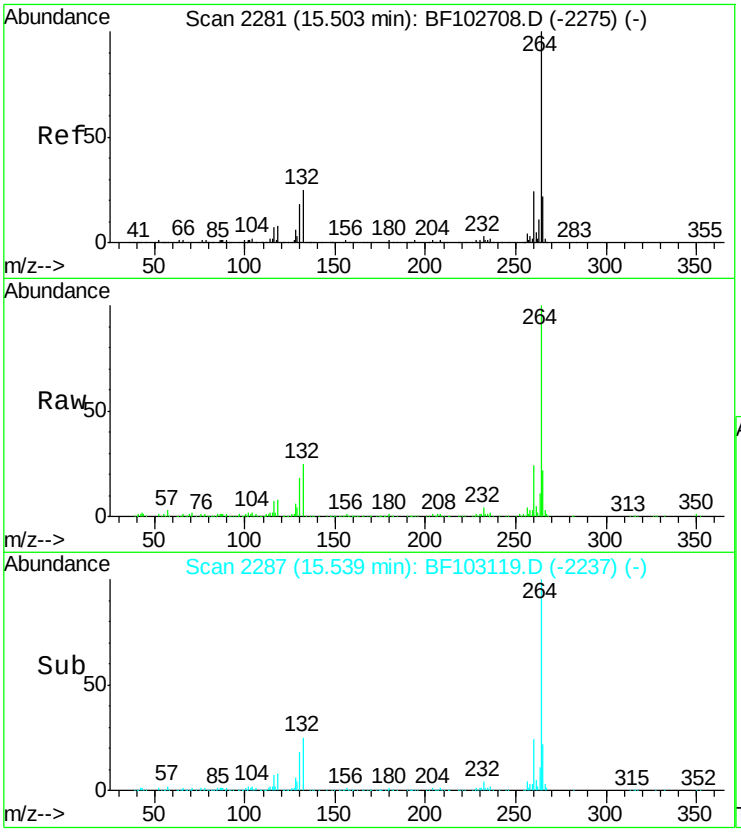


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.435 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:276 Resp: 71576

Ion	Ratio	Lower	Upper
276	100		
138	29.1	25.0	37.6
277	27.9	20.1	30.1

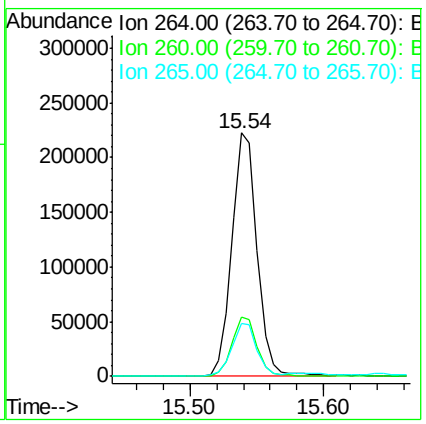




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:264 Resp: 294739

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.9	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

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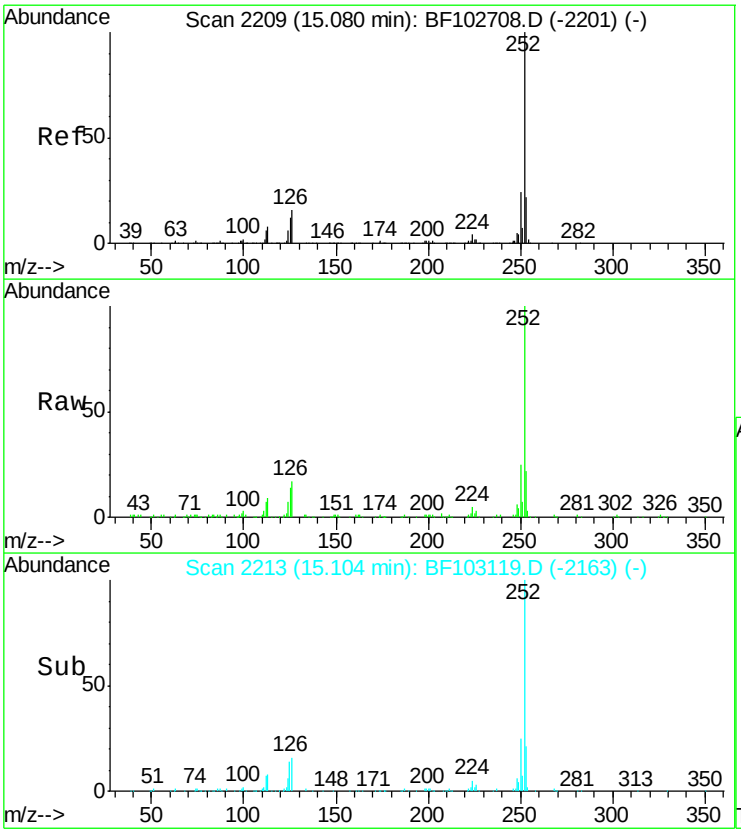
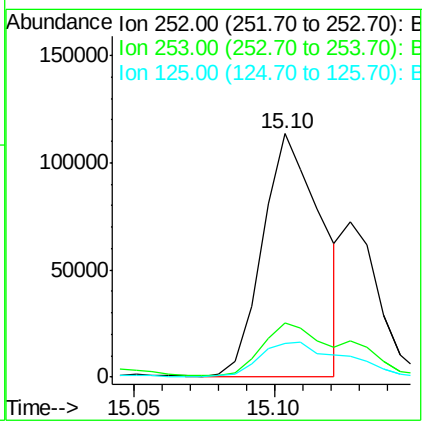
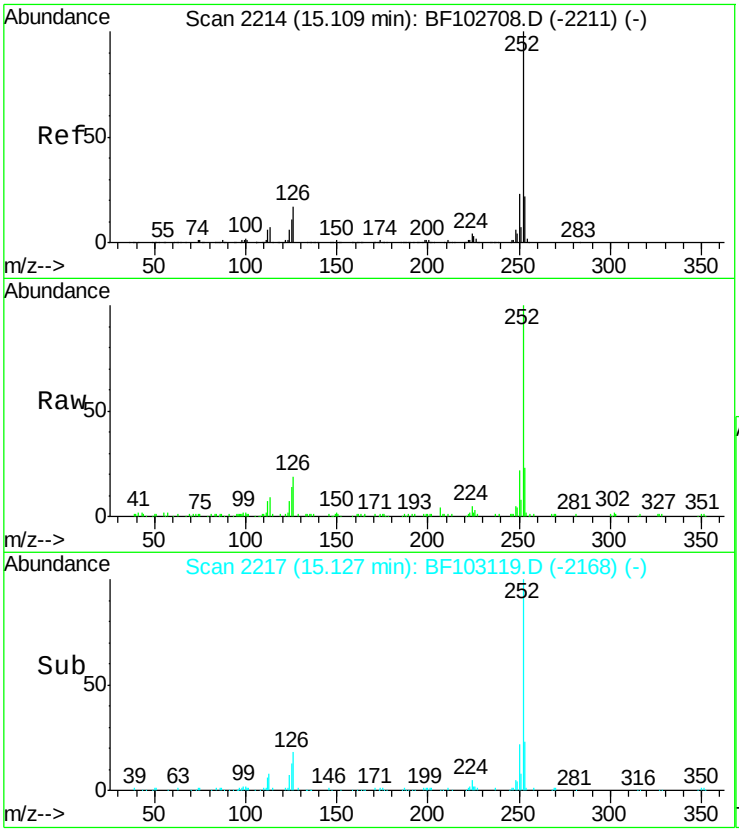


#87
Benzo(b)fluoranthene
Concen: 8.749 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:252 Resp: 167179

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	14.0	9.0	13.6#

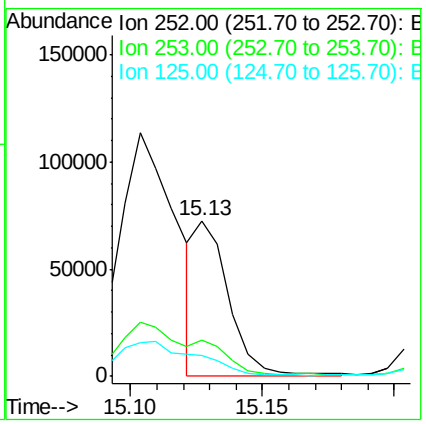




#88
Benzo(k)fluoranthene
Concen: 3.572 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:252 Resp: 65218

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	13.7	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

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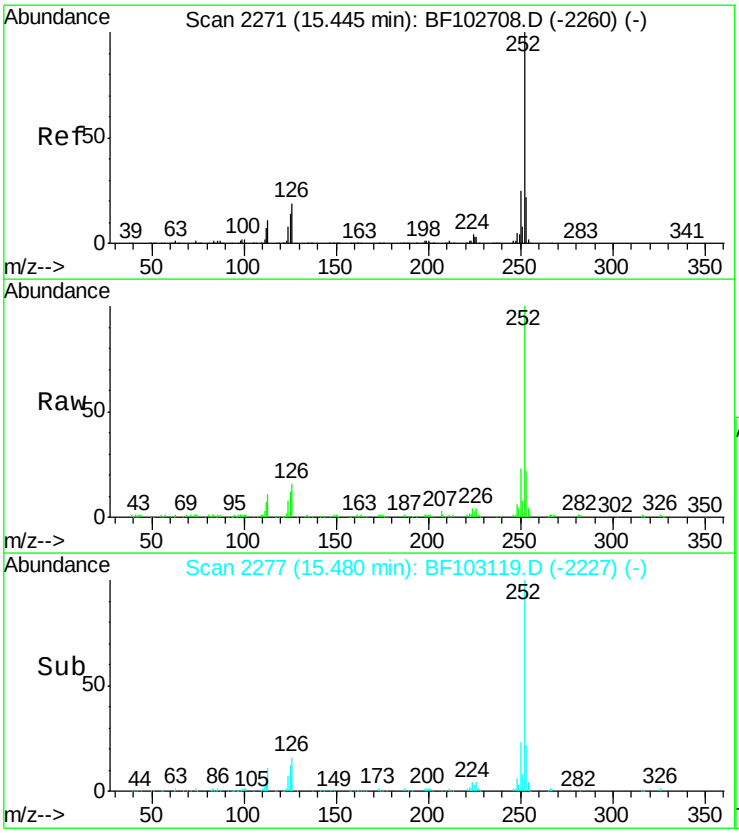
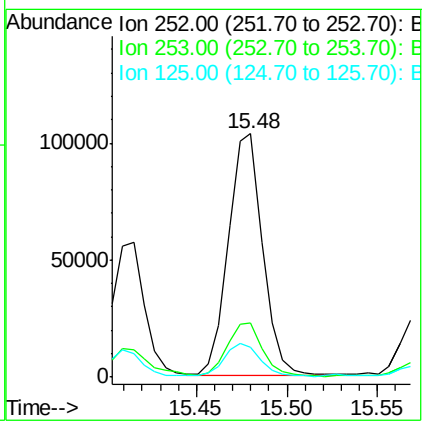
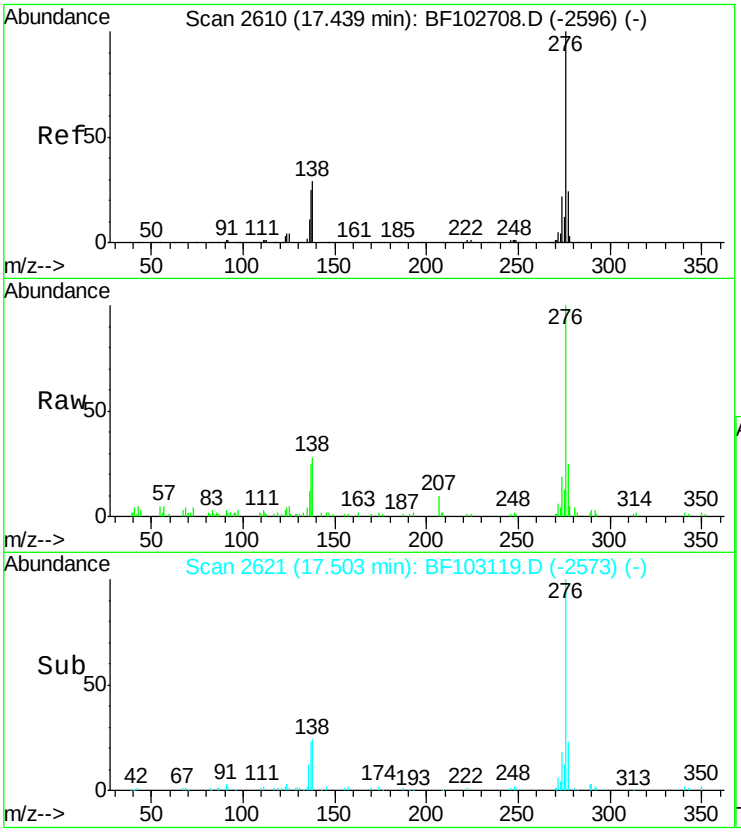


#89
Benzo(a)pyrene
Concen: 7.953 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:252 Resp: 136793

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	12.2	9.8	14.6

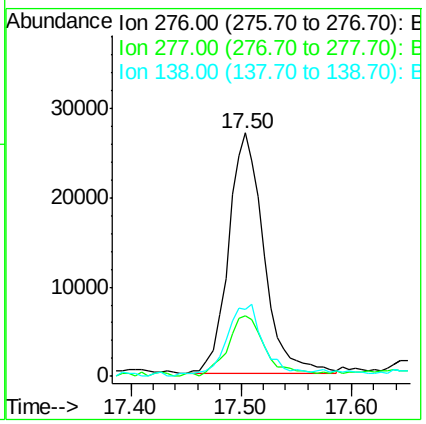




#91
Benzo(g,h,i)perylene
Concen: 4.388 ng
RT: 17.50 min Scan# 2621
Delta R.T. -0.02 min
Lab File: BF103119.D
Acq: 20 Feb 2018 12:21

Tgt Ion:276 Resp: 59963

Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	27.7	21.8	32.8



Instrument :
BNA_F
ClientSampleId :
A2_SB69_BOT-S_10DL

Manual Integrations APPROVED
Sohil
2/21/2018 10:10:31 AM