Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
Data File : BF106302.D
Acq On : 11 Jun 2018 18:42
Operator : JU/SJ
Sample : J2932-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-A-S

Manual Integrations APPROVED
Sohil
6/12/2018 12:58:19 PM

Quant Time: Jun 12 11:06:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 11 15:00:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	208716	20.00	ng		0.00
21) Naphthalene-d8	8.25	136	803245	20.00	ng		0.00
38) Acenaphthene-d10	10.01	164	386615	20.00	ng		0.00
63) Phenanthrene-d10	11.50	188	730705	20.00	ng		0.00
75) Chrysene-d12	14.14	240	527439	20.00	ng		-0.02
86) Perylene-d12	15.68	264	536902	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.58	112	1009681	81.88	ng		0.00
7) Phenol-d6	6.58	99	1290527	82.83	ng		0.00
23) Nitrobenzene-d5	7.53	82	830342	60.81	ng		0.00
41) 2,4,6-Tribromophenol	10.80	330	350313	94.17	ng		0.00
44) 2-Fluorobiphenyl	9.32	172	1376172	56.16	ng		0.00
78) Terphenyl-d14	13.08	244	1360996	64.09	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.71	163	228728	8.281	ng		99
70) Phenanthrene	11.52	178	593087	16.573	ng		99
71) Anthracene	11.57	178	114021	3.180	ng		99
74) Fluoranthene	12.71	202	753203	19.736	ng		98
77) Pyrene	12.94	202	633503	19.185	ng		100
80) Benzo(a)anthracene	14.13	228	294575	9.385	ng		98
82) Chrysene	14.17	228	282830	9.870	ng		97
85) Indeno(1,2,3-cd)pyrene	17.22	276	138794	6.069	ng	#	92
87) Benzo(b)fluoranthene	15.22	252	343363m	10.580	ng		
88) Benzo(k)fluoranthene	15.25	252	132943m	4.136	ng		
89) Benzo(a)pyrene	15.61	252	250290	8.574	ng		98
91) Benzo(g,h,i)perylene	17.69	276	125900	5.323	ng		93

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

Quantitation Report (QT/LSC Reviewed)

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Acq On : 11 Jun 2018 18:42
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Misc :
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ClientSampleId :
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Manual Integrations APPROVED
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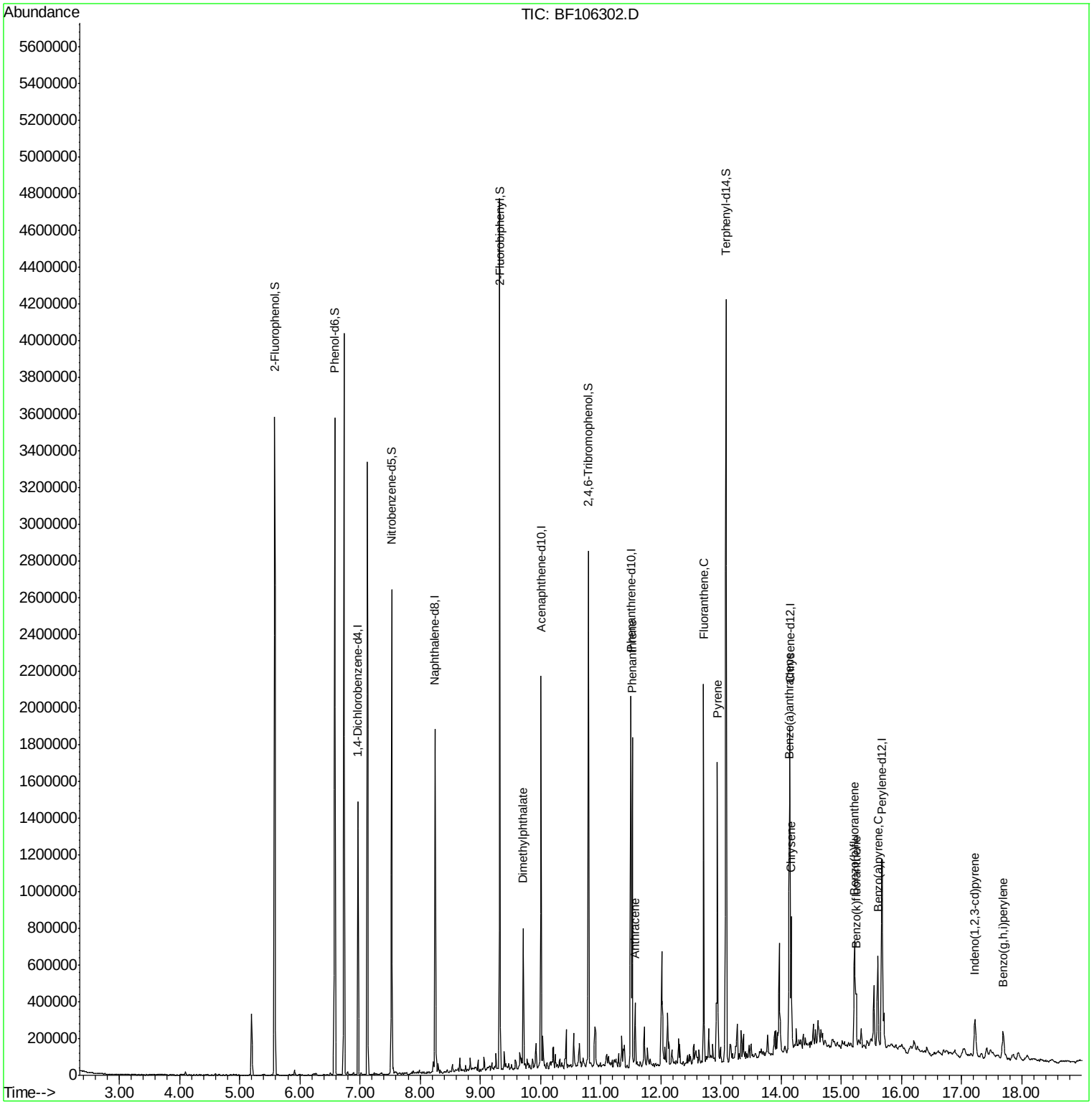
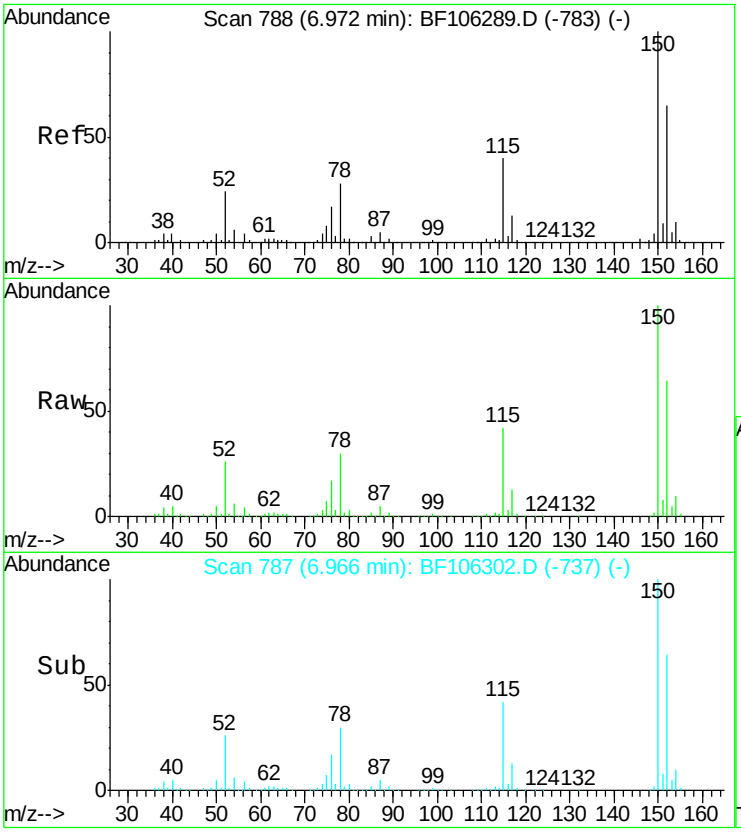
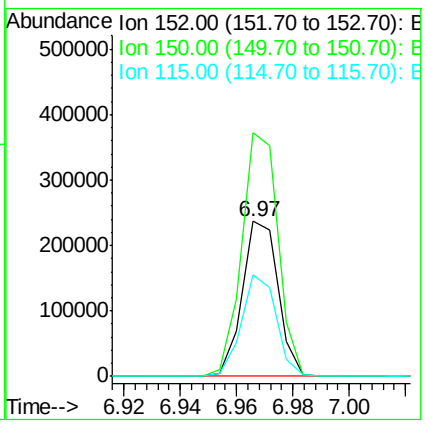




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:152 Resp: 208716

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	65.6	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
TP-A-S

Manual Integrations APPROVED
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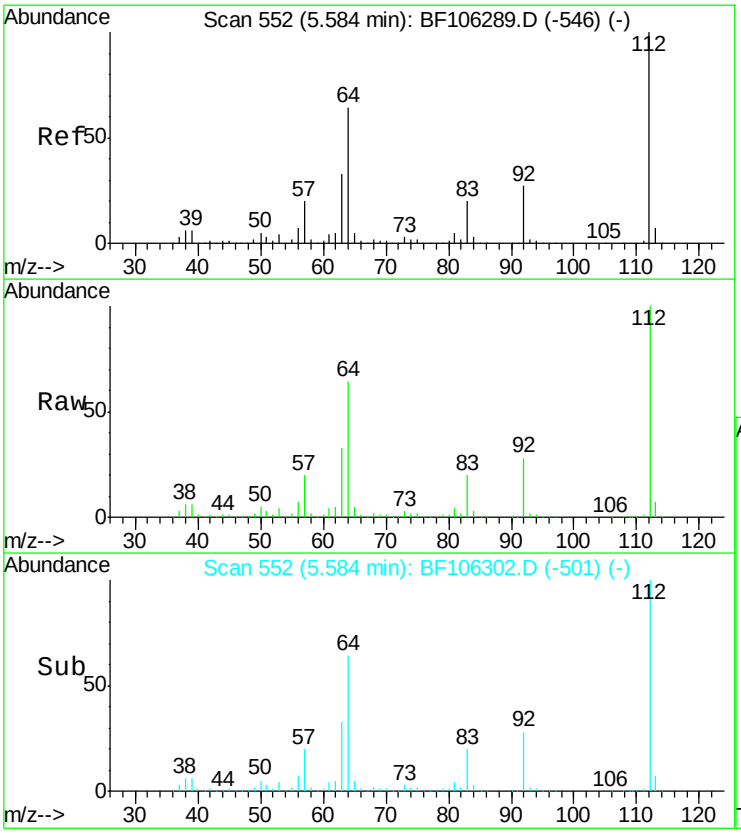
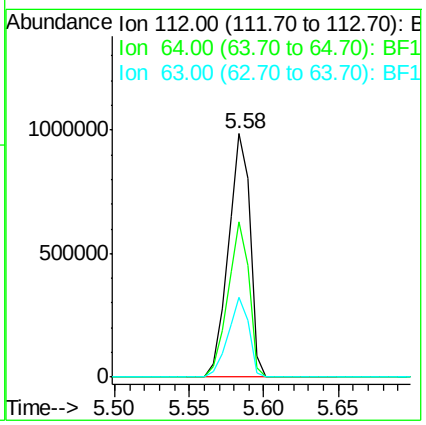
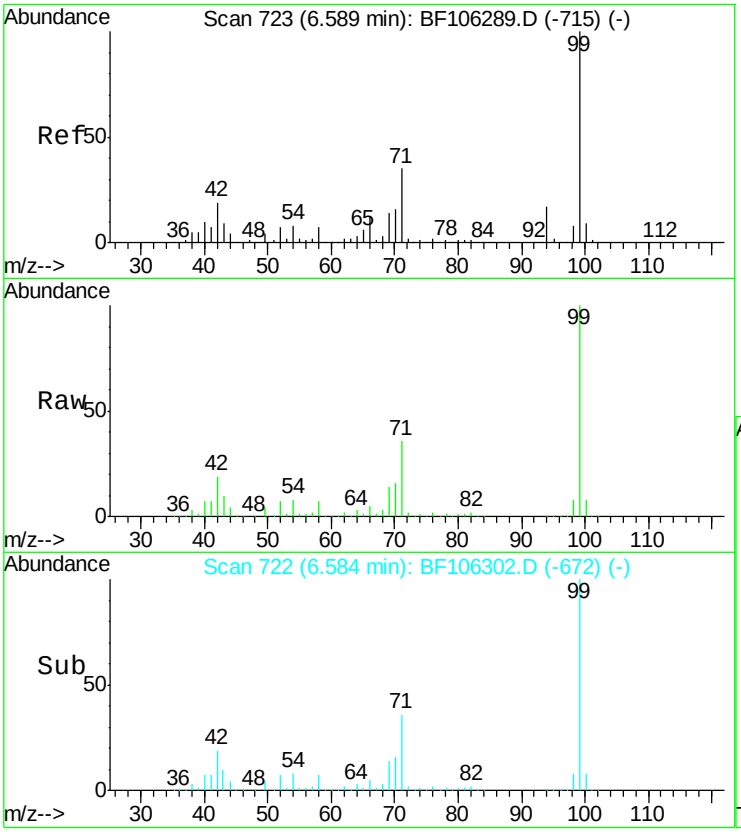


#5
2-Fluorophenol
Concen: 81.876 ng
RT: 5.58 min Scan# 552
Delta R.T. 0.00 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:112 Resp: 1009681

Ion	Ratio	Lower	Upper
112	100		
64	63.9	47.9	71.9
63	32.6	23.7	35.5

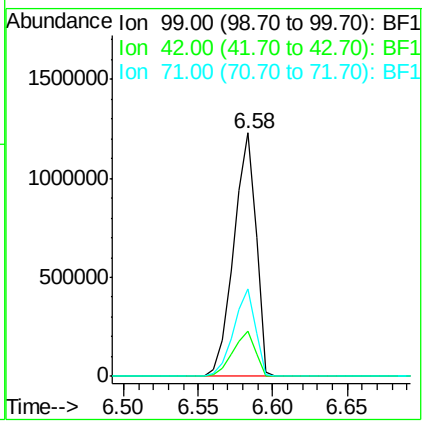




#7
Phenol-d6
Concen: 82.832 ng
RT: 6.58 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion: 99 Resp: 1290527

Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.5	21.7
71	36.0	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
TP-A-S

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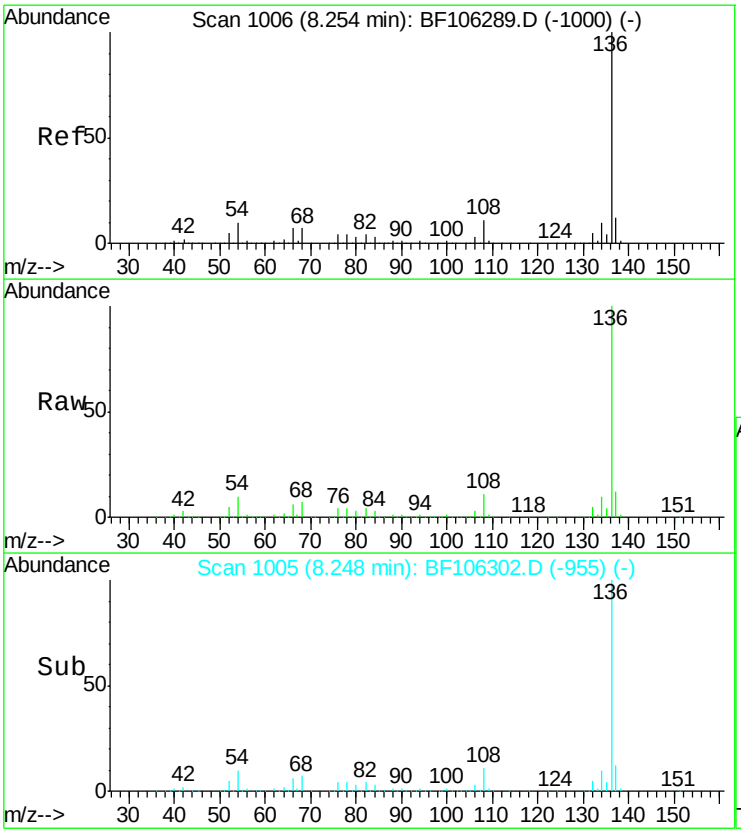
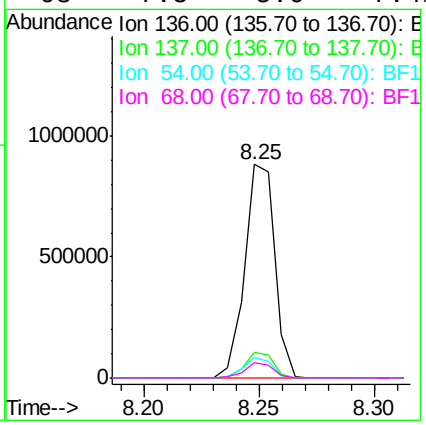
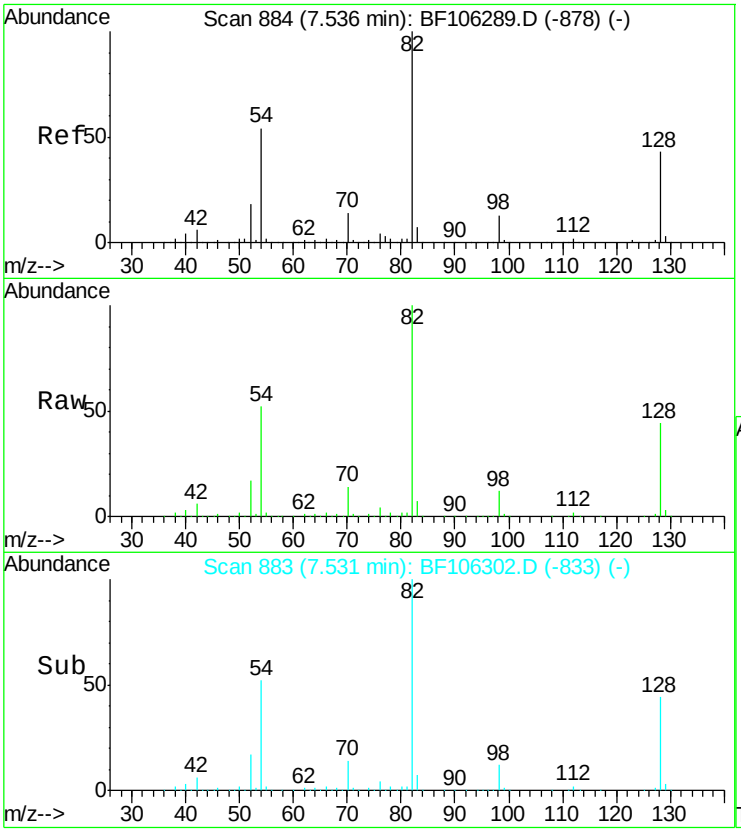


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:136 Resp: 803245

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.9	13.3
54	9.7	6.6	9.8
68	7.5	5.0	7.4#

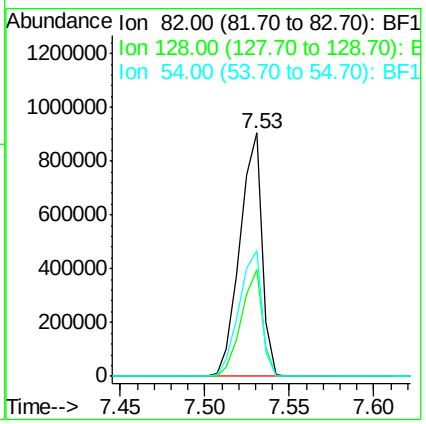




#23
Nitrobenzene-d5
Concen: 60.813 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion: 82 Resp: 830342

Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	51.5	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
TP-A-S

Manual Integrations APPROVED
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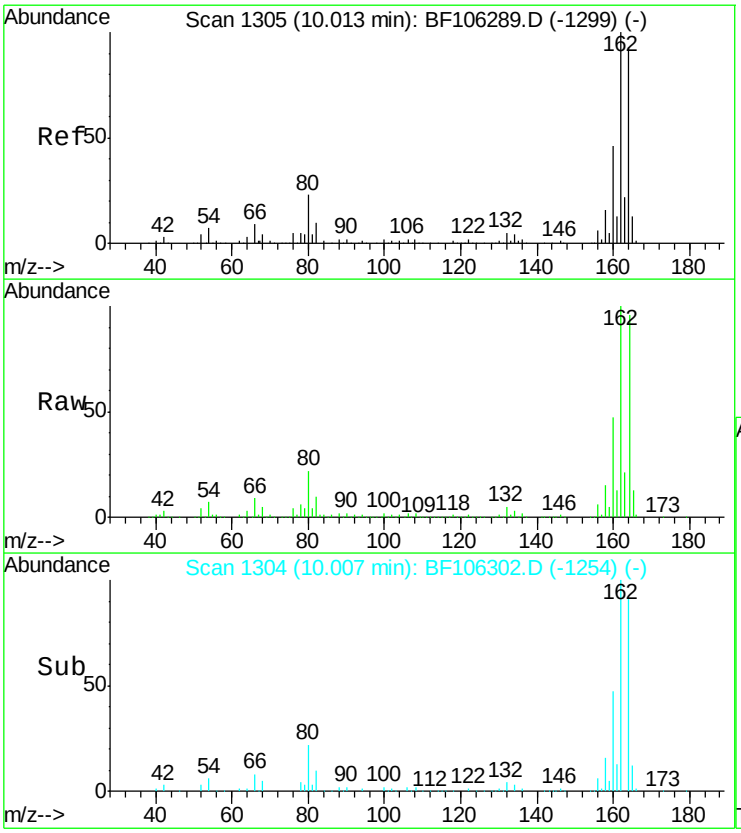
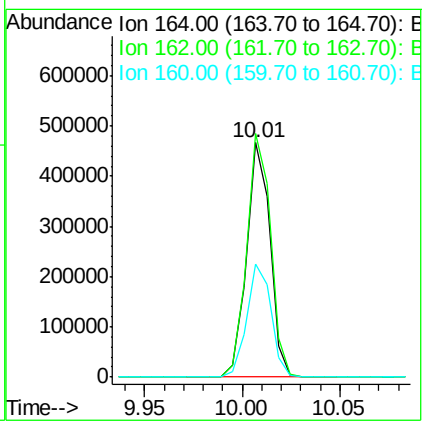
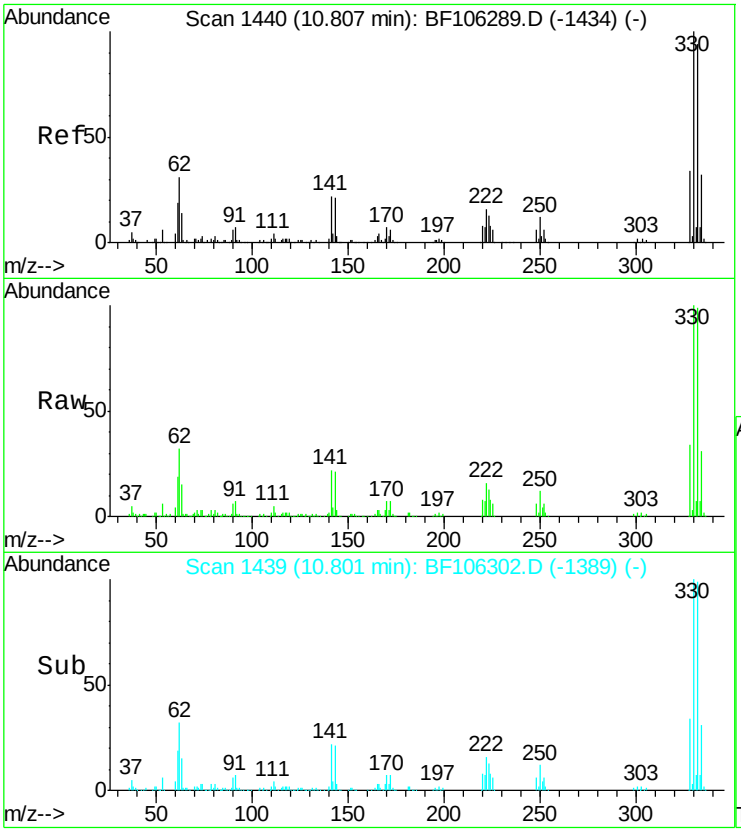


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:164 Resp: 386615

Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	48.5	38.3	57.5

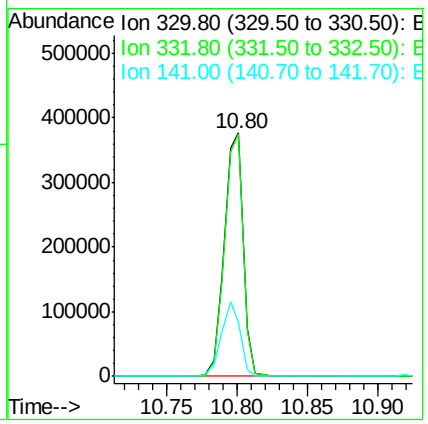




#41
2,4,6-Tribromophenol
Concen: 94.173 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:330 Resp: 350313

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	30.3	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
TP-A-S

Manual Integrations APPROVED
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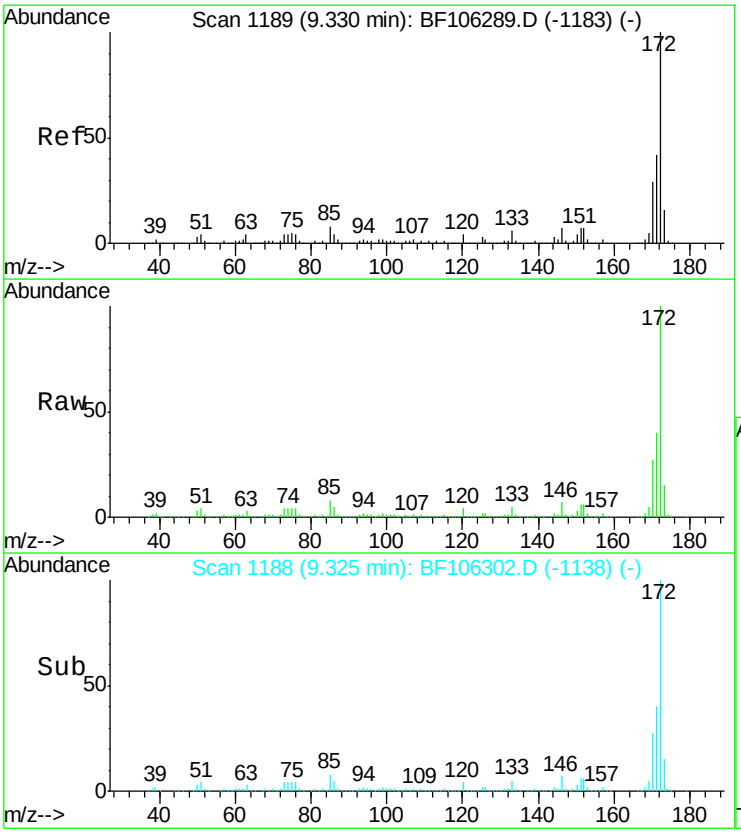
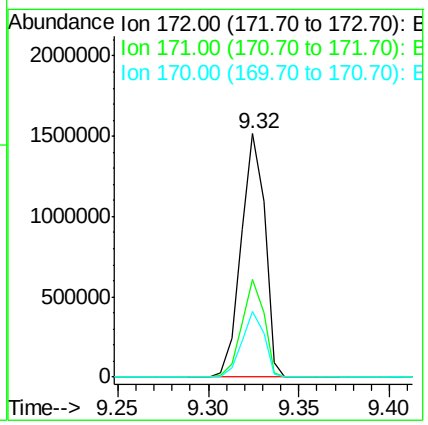
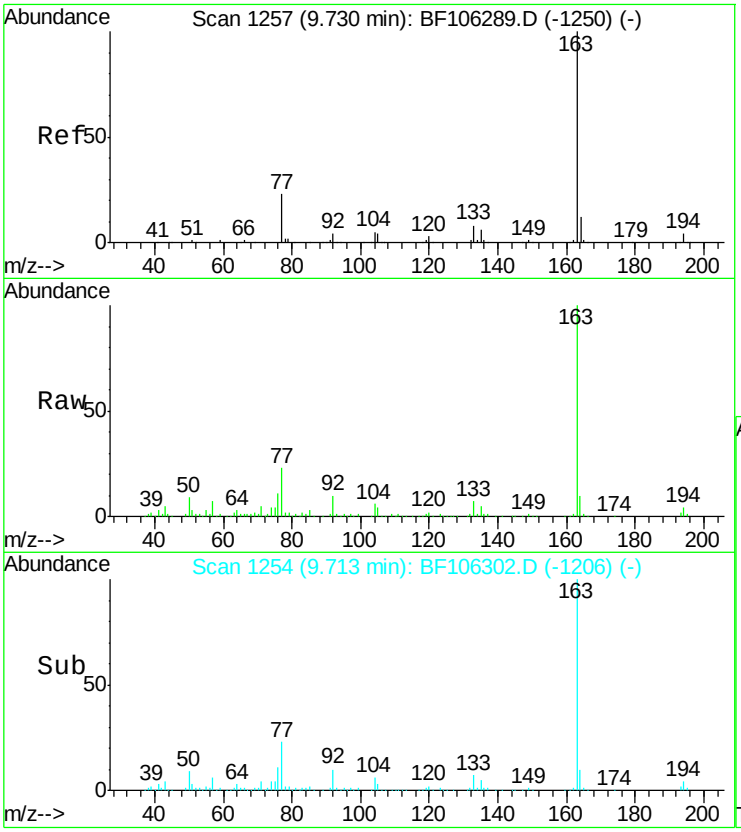


#44
2-Fluorobiphenyl
Concen: 56.158 ng
RT: 9.32 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:172 Resp: 1376172

Ion	Ratio	Lower	Upper
172	100		
171	40.0	29.7	44.5
170	27.1	19.6	29.4

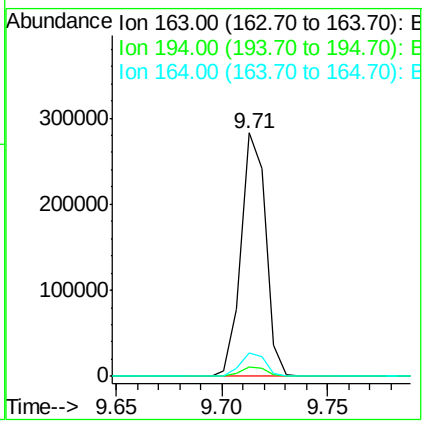




#49
Dimethylphthalate
Concen: 8.281 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:163 Resp: 228728

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.7	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
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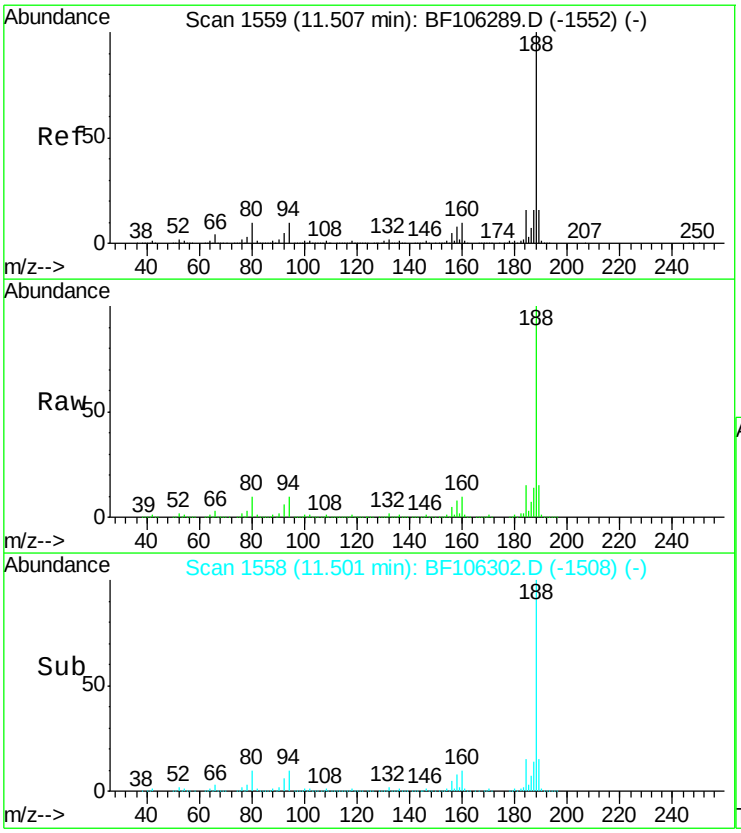
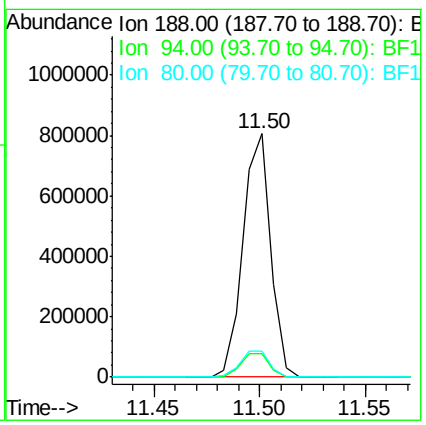
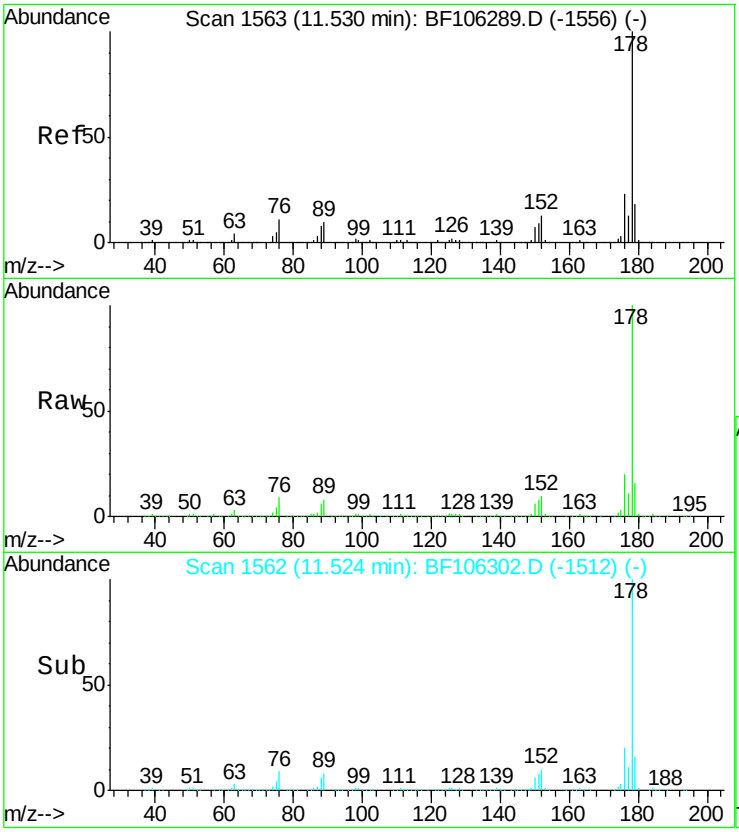


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:188 Resp: 730705

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.4	9.2	13.8

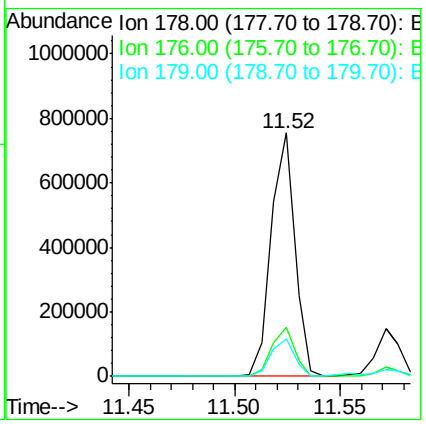




#70
Phenanthrene
Concen: 16.573 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:178 Resp: 593087

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.6	13.0	19.6



Instrument :
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ClientSampleId :
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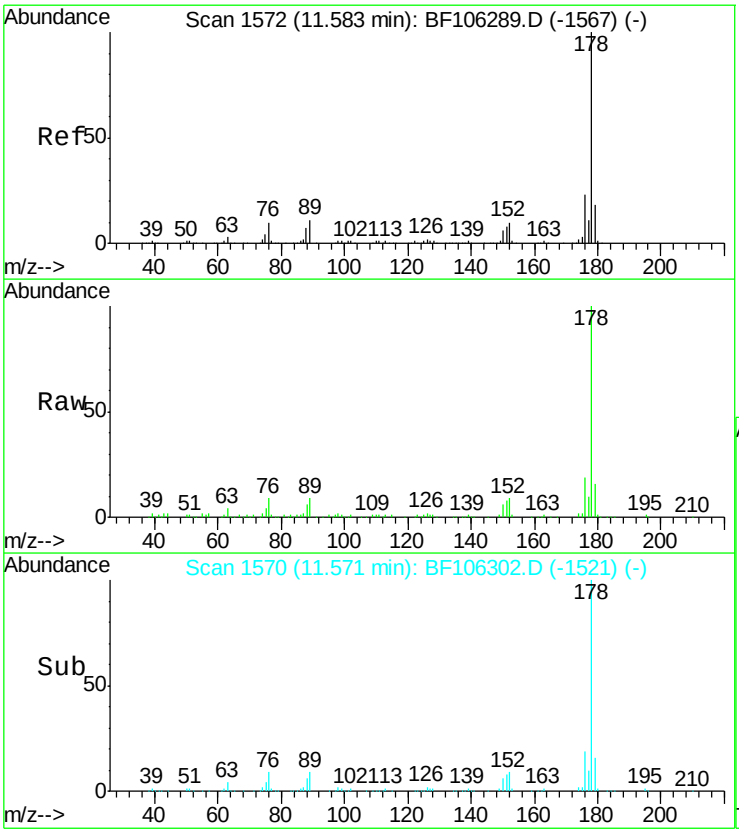
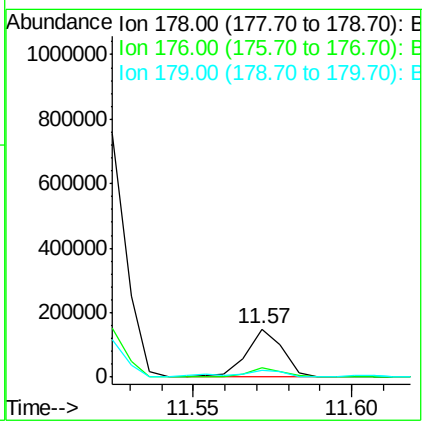
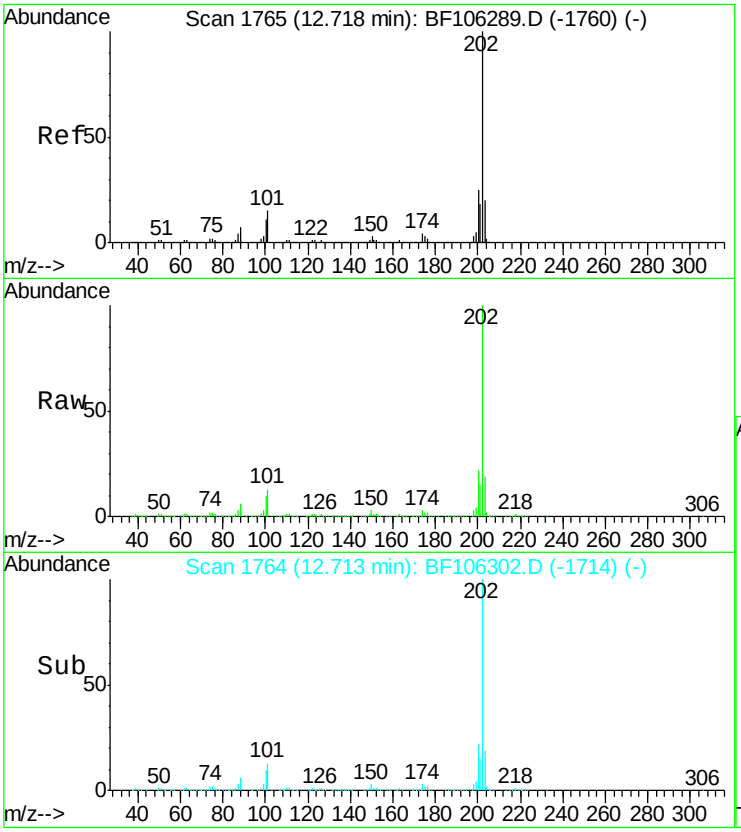


#71
Anthracene
Concen: 3.180 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:178 Resp: 114021

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.5	12.6	19.0

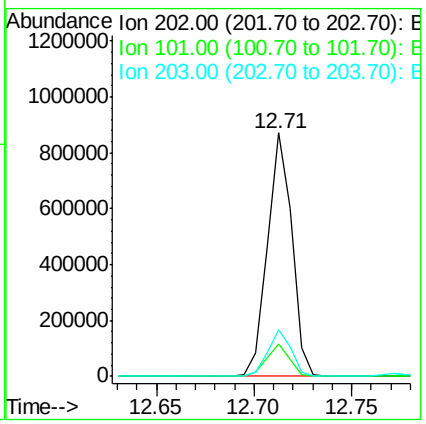




#74
Fluoranthene
Concen: 19.736 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:202 Resp: 753203

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	34.1
203	19.2	0.0	38.1



Instrument :
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ClientSampleId :
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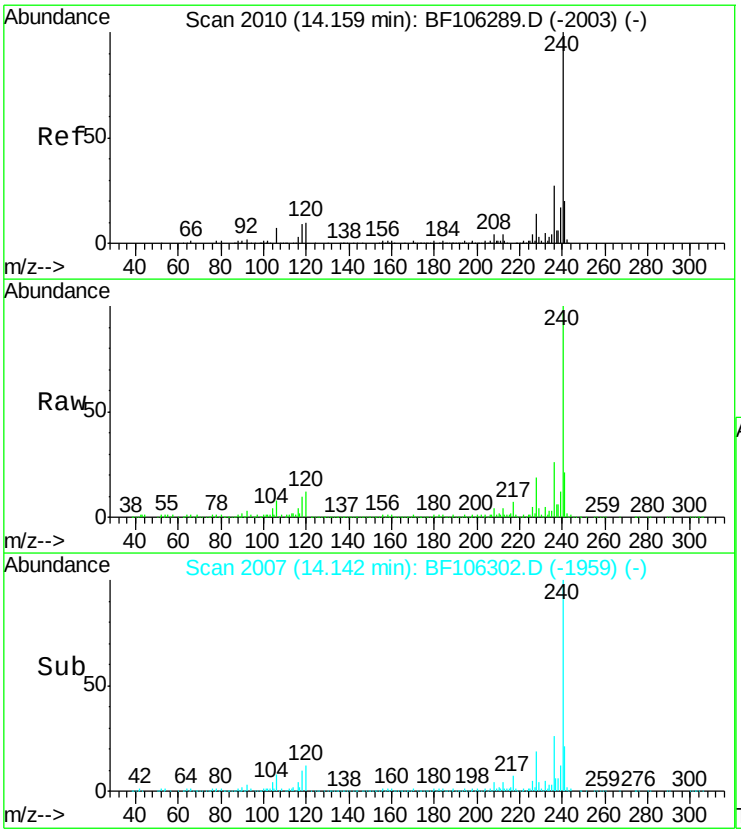
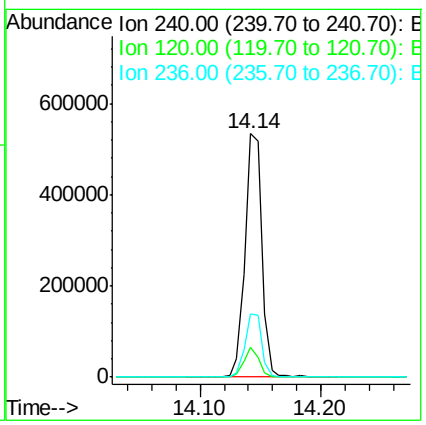
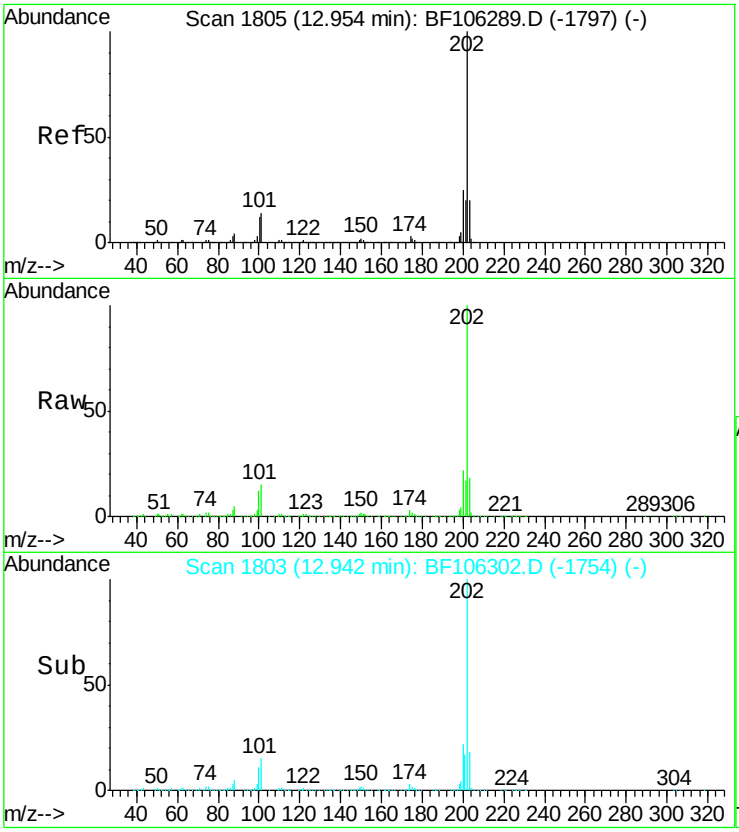


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:240 Resp: 527439

Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.5	14.3
236	26.2	20.7	31.1

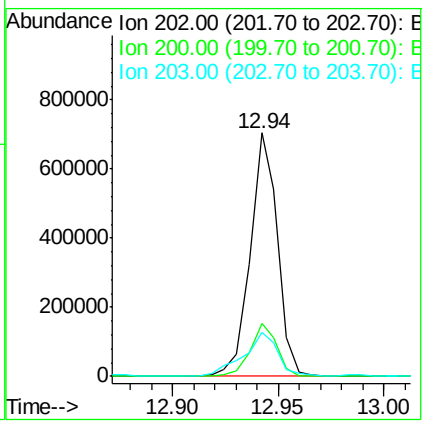




#77
Pyrene
Concen: 19.185 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:202 Resp: 633503

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.0	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
TP-A-S

Manual Integrations APPROVED
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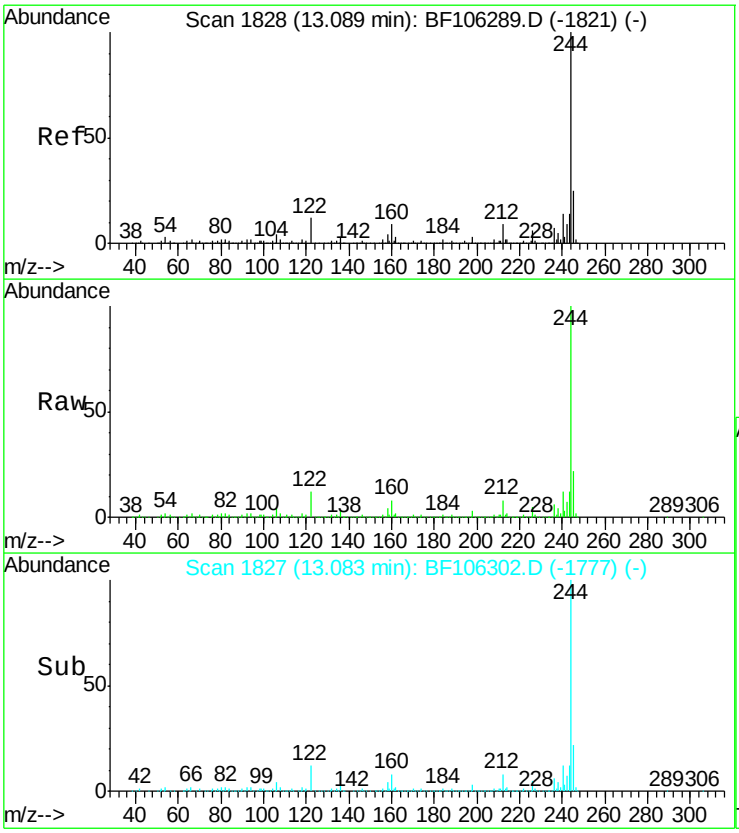
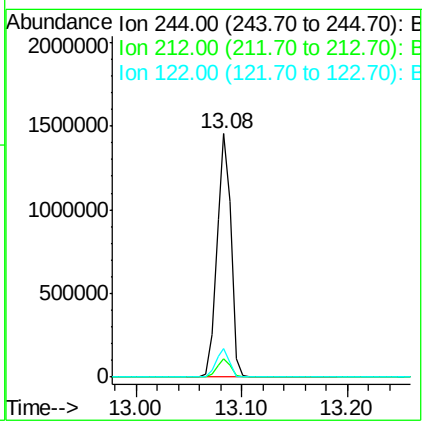
6/12/2018 12:58:19 PM

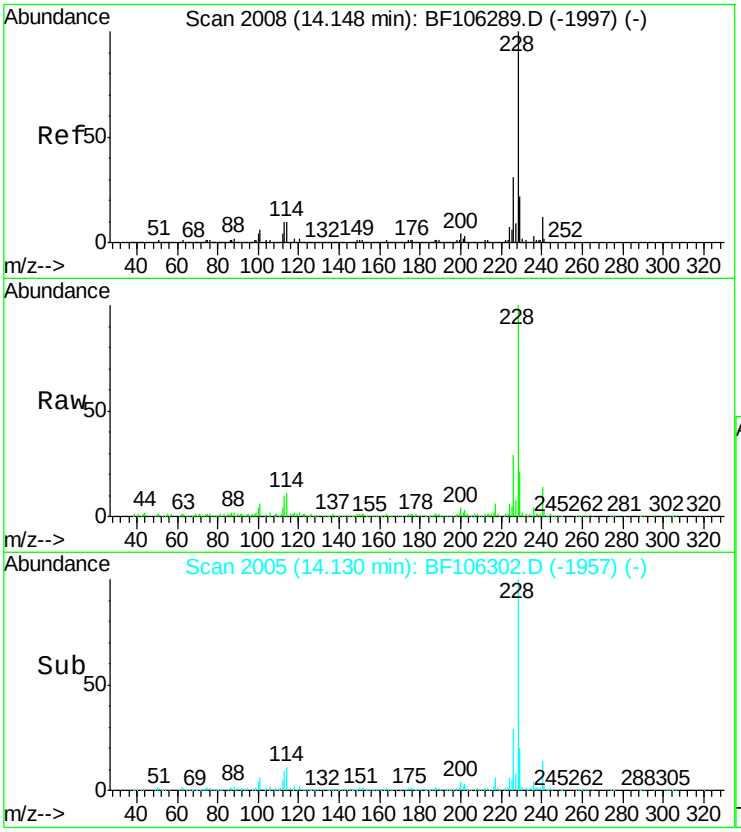


#78
Terphenyl-d14
Concen: 64.091 ng
RT: 13.08 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:244 Resp: 1360996

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.4	8.0
122	11.7	11.0	16.4

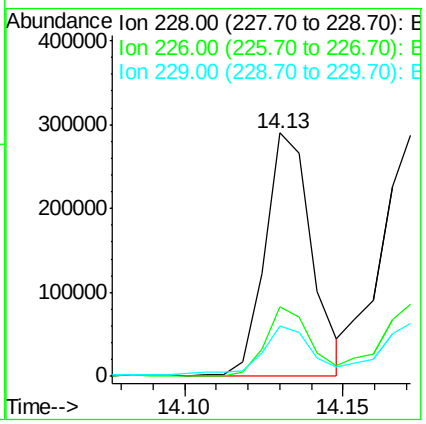




#80
Benzo(a)anthracene
Concen: 9.385 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:228 Resp: 294575

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.8	15.8	23.6



Instrument :
BNA_F
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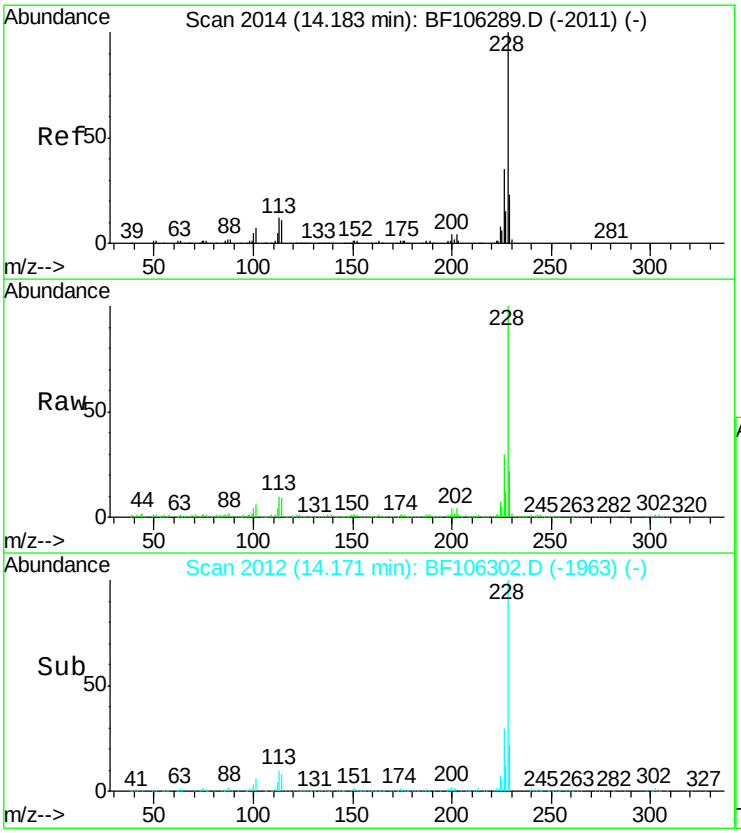
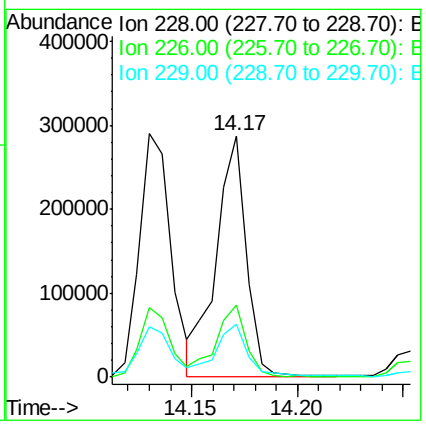
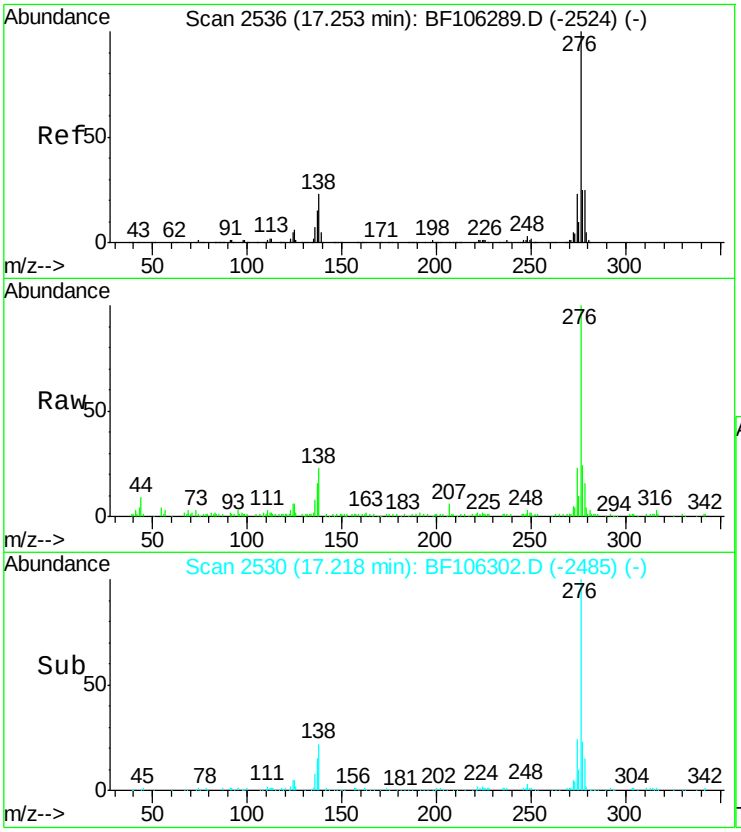


#82
Chrysene
Concen: 9.870 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:228 Resp: 282830

Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	22.1	16.2	24.4





#85
Indeno(1,2,3-cd)pyrene
Concen: 6.069 ng
RT: 17.22 min Scan# 2530
Delta R.T. -0.04 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:276 Resp: 138794

Ion	Ratio	Lower	Upper
276	100		
138	23.4	25.0	37.6#
277	24.5	20.1	30.1

Instrument :
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ClientSampleId :
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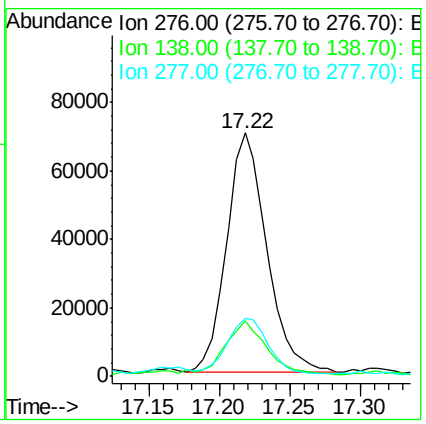
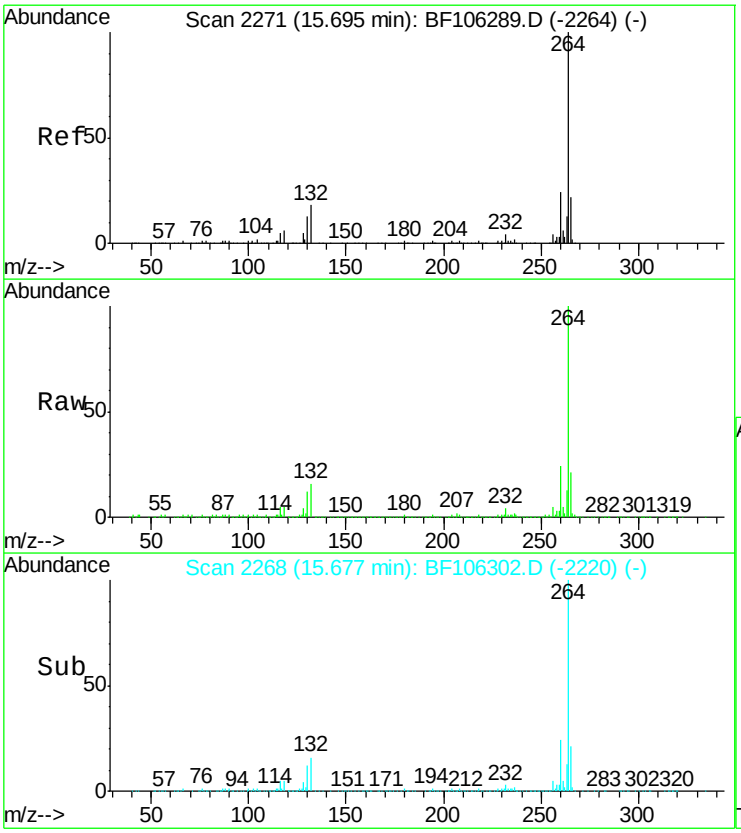
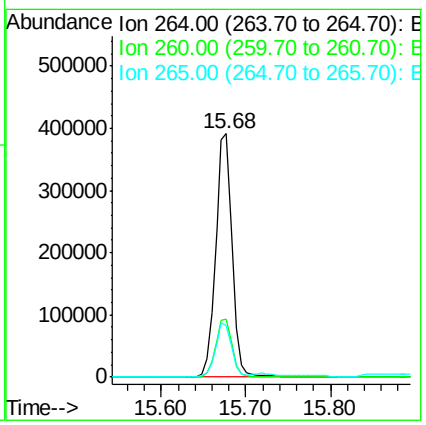


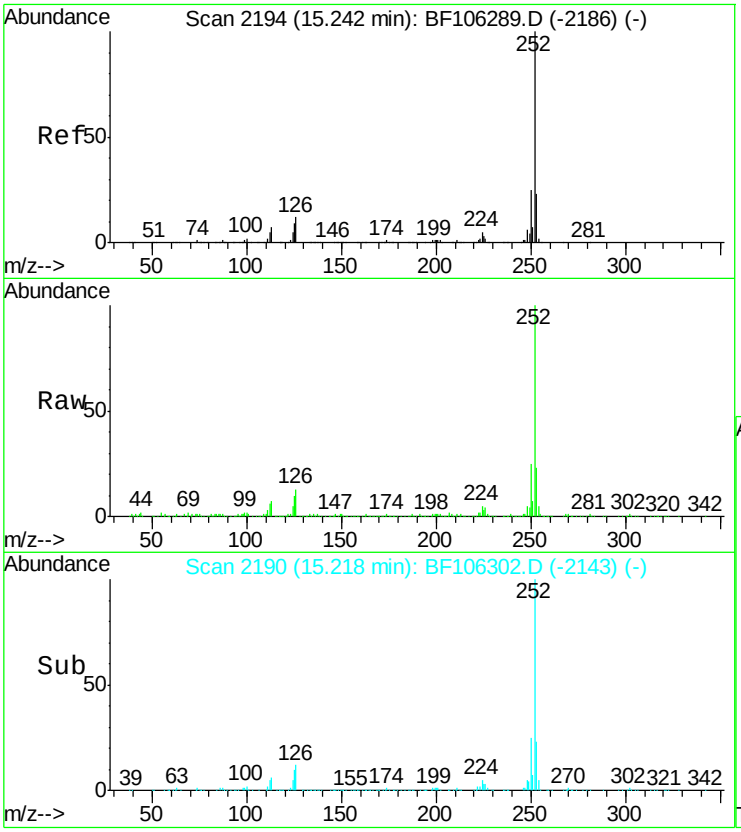


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:264 Resp: 536902

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	20.9	17.5	26.3

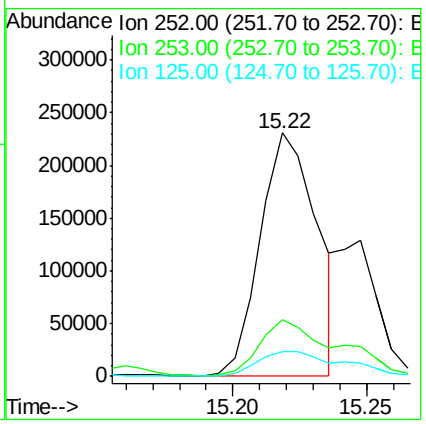




#87
Benzo(b)fluoranthene
Concen: 10.580 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:252 Resp: 343363

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	10.0	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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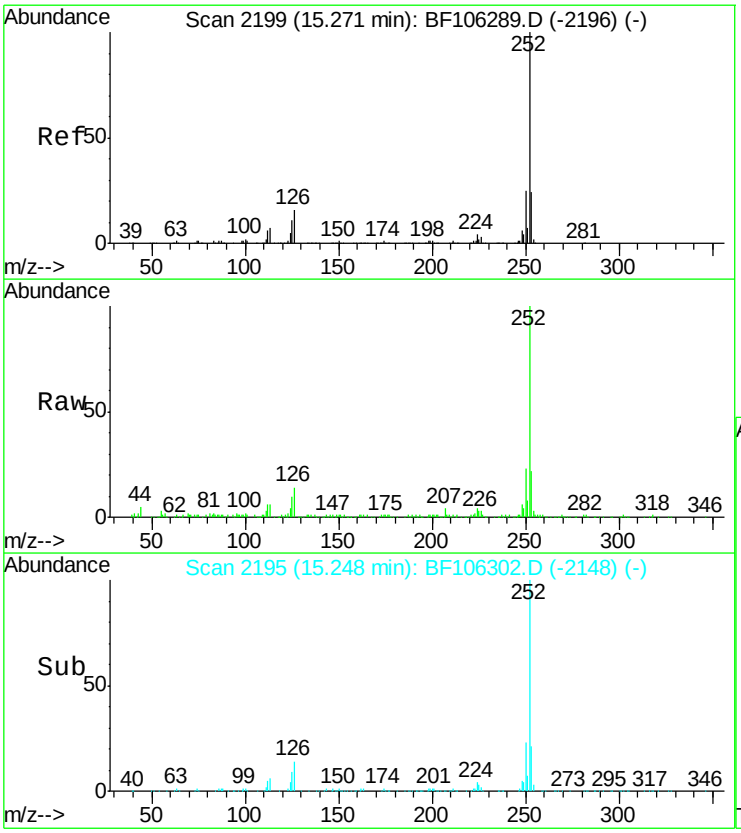
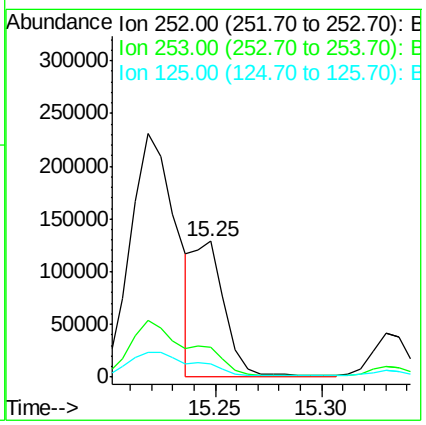
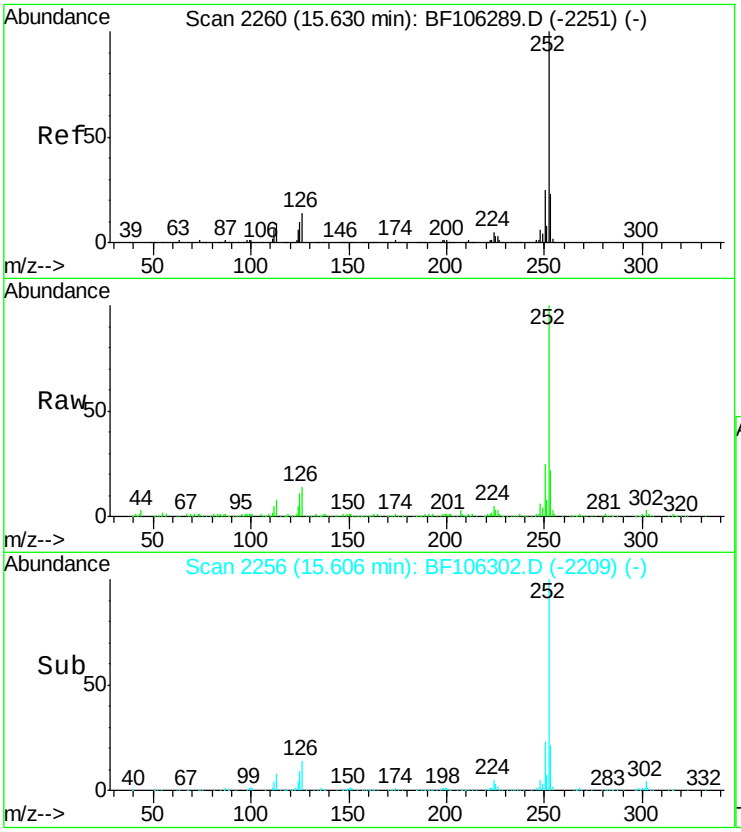


#88
Benzo(k)fluoranthene
Concen: 4.136 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:252 Resp: 132943

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	9.9	10.2	15.2#

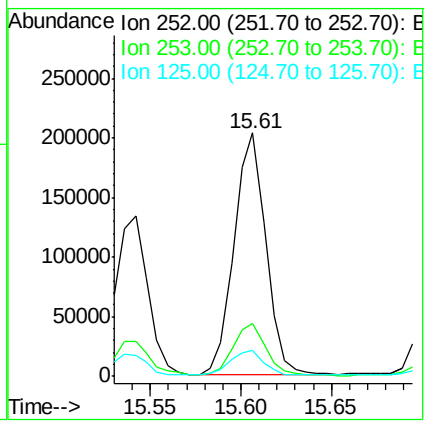




#89
Benzo(a)pyrene
Concen: 8.574 ng
RT: 15.61 min Scan# 2256
Delta R.T. -0.02 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:252 Resp: 250290

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	10.7	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
TP-A-S

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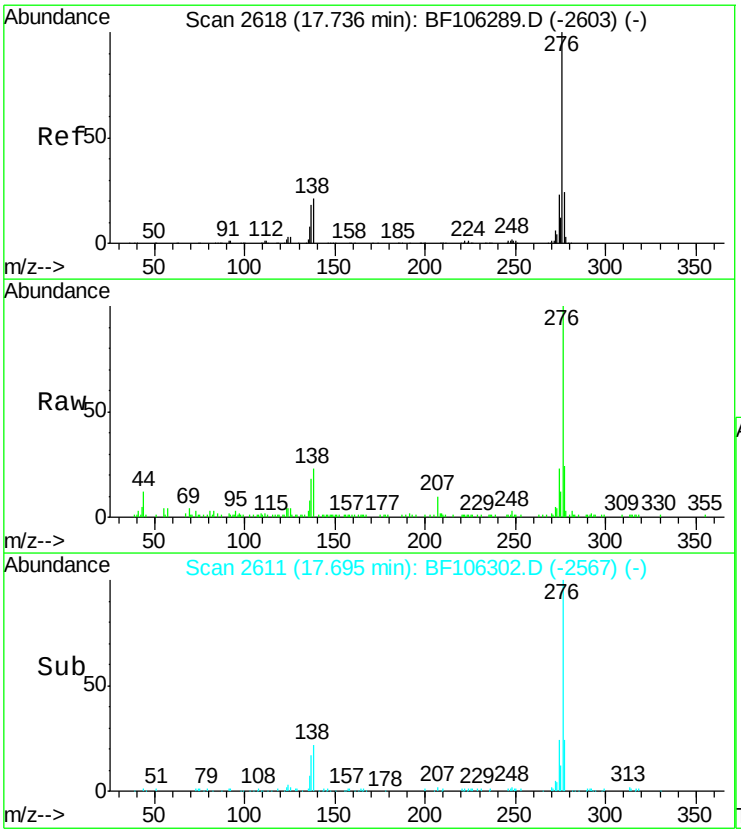

#91
Benzo(g,h,i)perylene
Concen: 5.323 ng
RT: 17.69 min Scan# 2611
Delta R.T. -0.04 min
Lab File: BF106302.D
Acq: 11 Jun 2018 18:42

Tgt Ion:276 Resp: 125900

Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	22.8	21.8	32.8