Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098196.D
Acq On : 31 Aug 2017 11:11
Operator : SJ/JU
Sample : I5023-04DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-082917-BDL

Manual Integrations APPROVED
Sohil
8/31/2017 7:13:55 PM

Quant Time: Aug 31 14:00:56 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	100671	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	347511	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	124864	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	231339	20.00	ng	-0.02
75) Chrysene-d12	13.88	240	225683	20.00	ng	-0.02
86) Perylene-d12	15.29	264	174017	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	204500	30.90	ng	-0.03
7) Phenol-d6	6.36	99	260259	28.94	ng	-0.03
23) Nitrobenzene-d5	7.29	82	137515	21.50	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	30064	27.75	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	209924	24.70	ng	-0.03
78) Terphenyl-d14	12.82	244	176023	16.26	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.48	163	26844	2.941	ng	97
51) Acenaphthene	9.79	154	17684	2.122	ng	97
57) Fluorene	10.30	166	37422	4.334	ng	100
70) Phenanthrene	11.27	178	328214	26.625	ng	99
71) Anthracene	11.32	178	102452	8.194	ng	98
72) Carbazole	11.47	167	35820	3.018	ng	99
74) Fluoranthene	12.46	202	656481	51.021	ng	99
77) Pyrene	12.68	202	677238	36.690	ng	99
80) Benzo(a)anthracene	13.87	228	333161	24.631	ng	97
82) Chrysene	13.90	228	322991	24.005	ng	99
85) Indeno(1,2,3-cd)pyrene	16.66	276	146496m	14.800	ng	
87) Benzo(b)fluoranthene	14.89	252	397457m	36.235	ng	
88) Benzo(k)fluoranthene	14.92	252	110417m	10.715	ng	
89) Benzo(a)pyrene	15.23	252	267732	27.572	ng	98
90) Dibenzo(a,h)anthracene	16.67	278	31699m	4.010	ng	
91) Benzo(g,h,i)perylene	17.07	276	132941	16.117	ng	93

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

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Manual Integrations APPROVED
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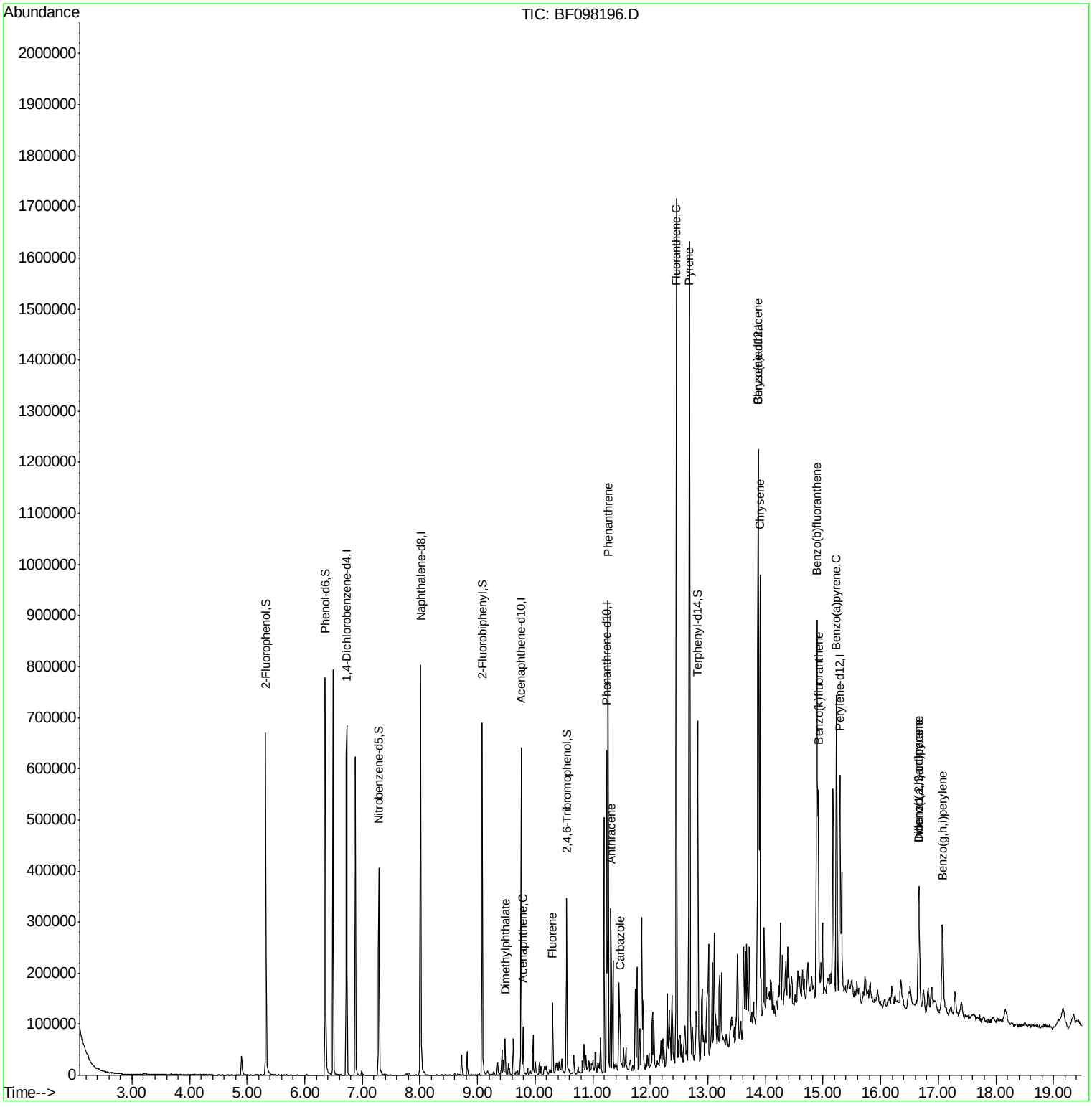
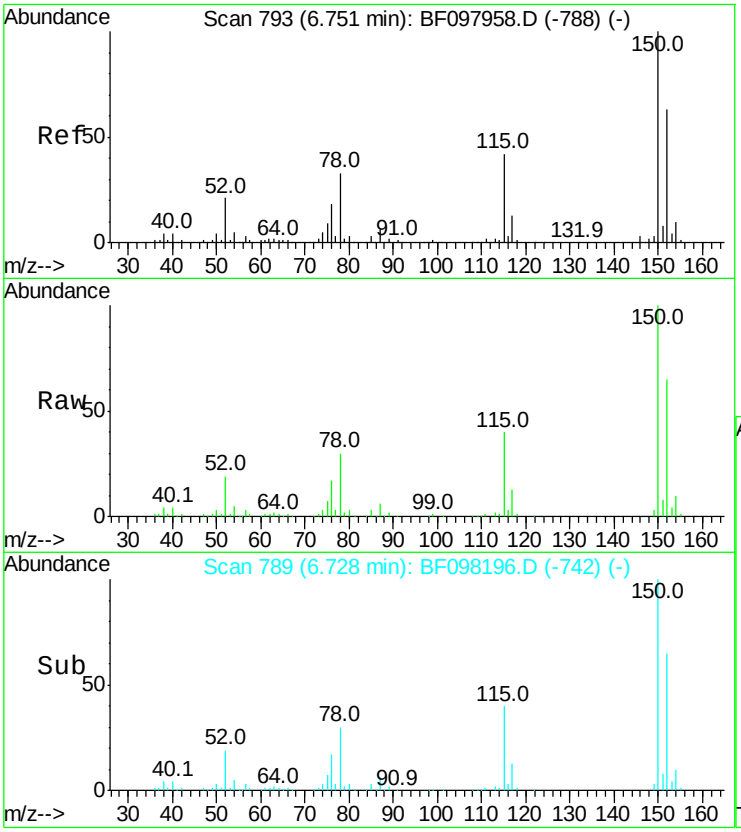
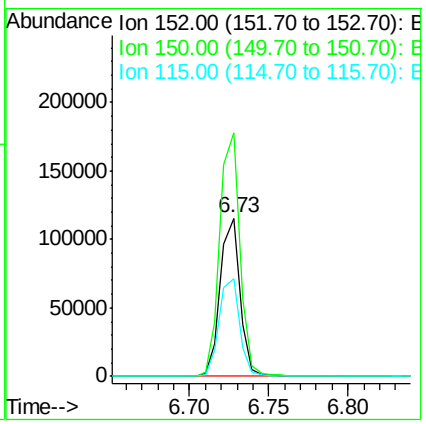




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:152 Resp: 100671

Ion	Ratio	Lower	Upper
152	100		
150	154.2	126.2	189.2
115	61.9	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
PL-01-082917-BDL

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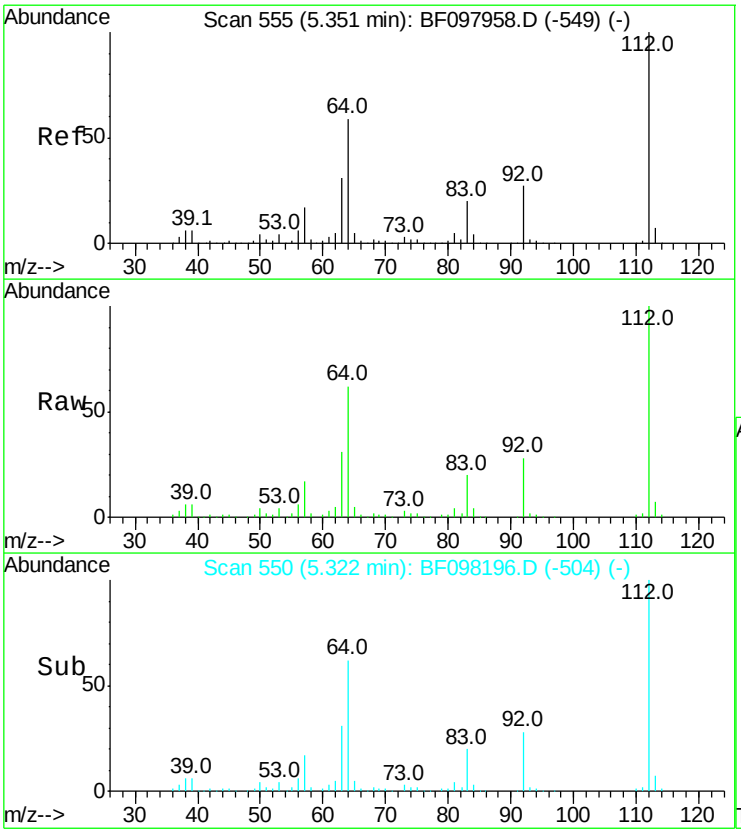
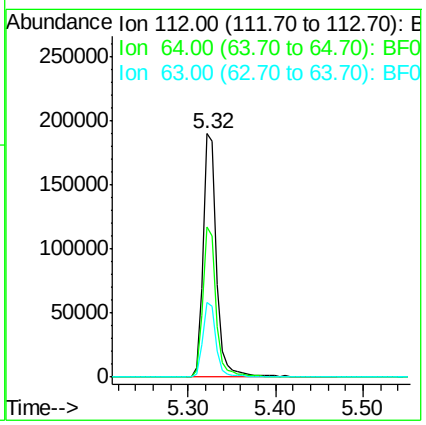
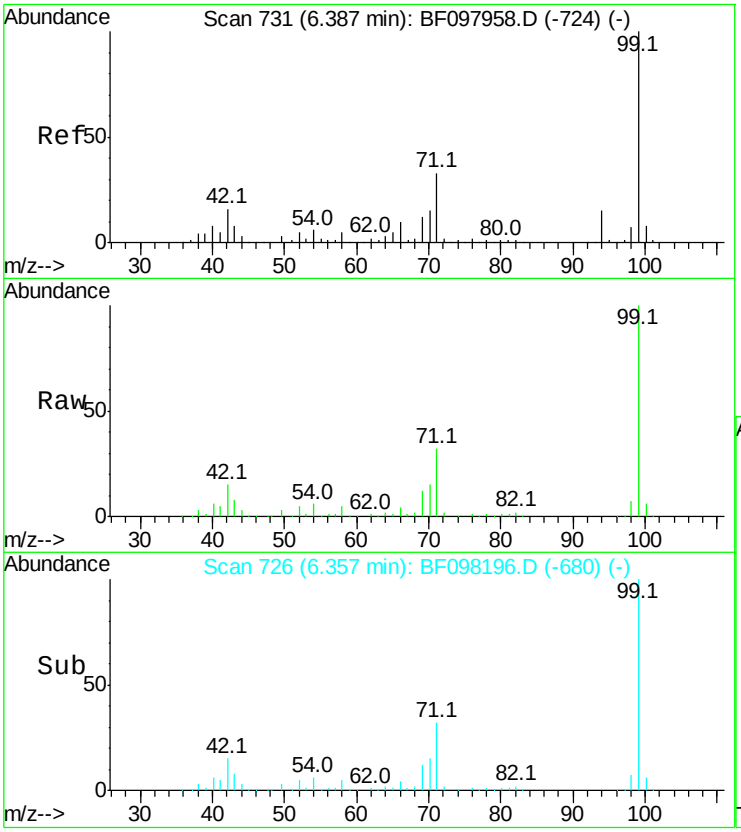


#5
2-Fluorophenol
Concen: 30.899 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:112 Resp: 204500

Ion	Ratio	Lower	Upper
112	100		
64	61.6	46.0	69.0
63	30.7	23.4	35.0

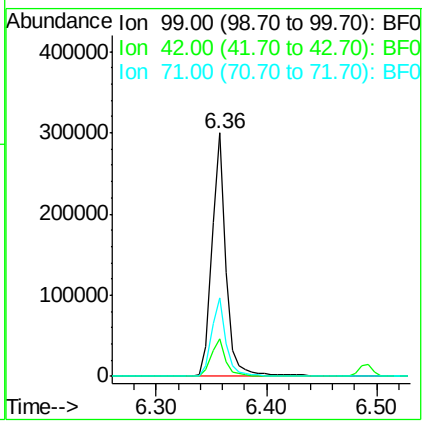




#7
Phenol-d6
Concen: 28.942 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.03 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion: 99 Resp: 260259

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.5	20.3
71	32.2	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
PL-01-082917-BDL

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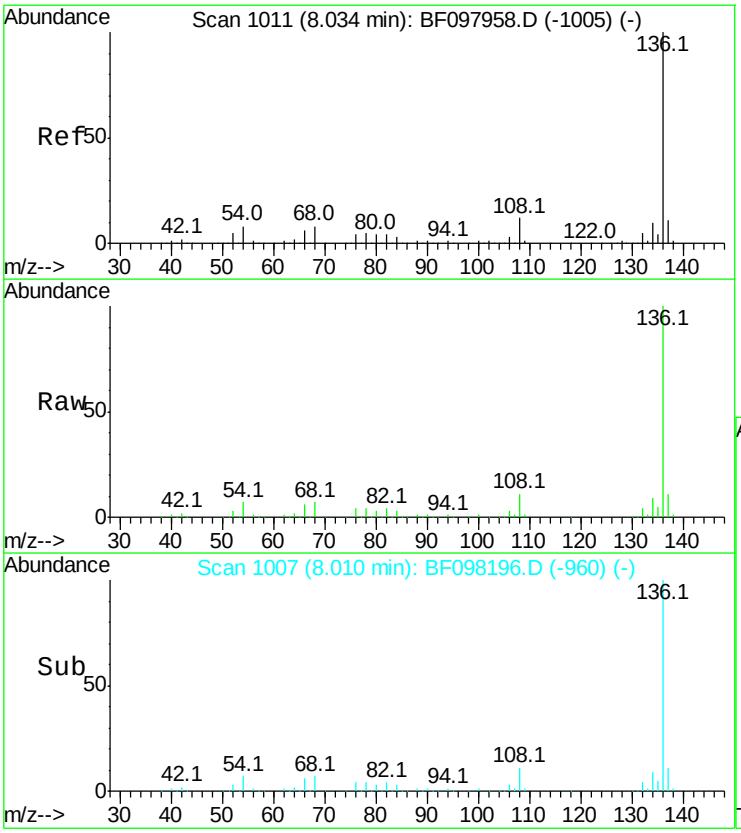
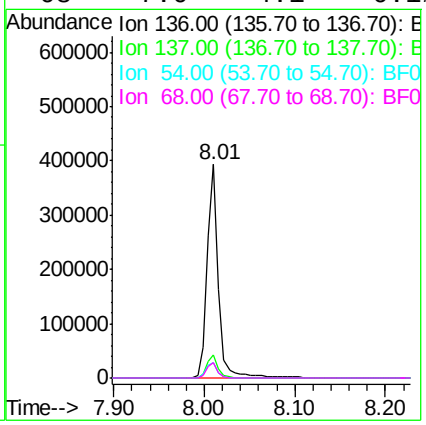
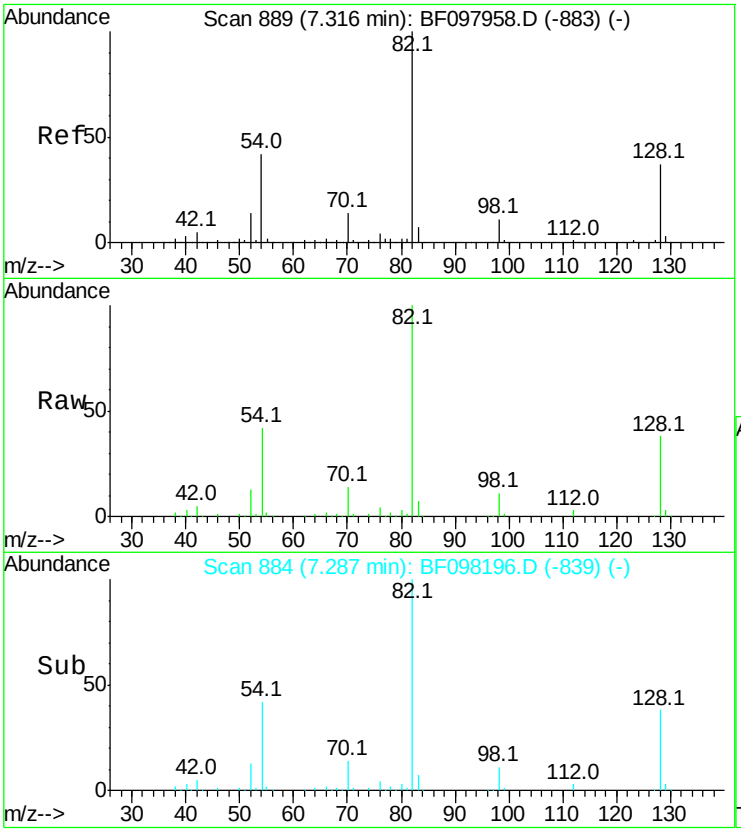


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:136 Resp: 347511

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.1	4.9	7.3
68	7.0	4.1	6.1#

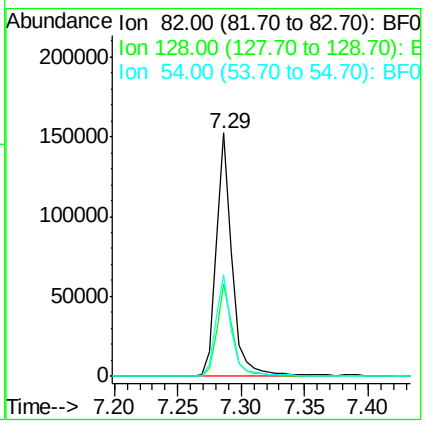




#23
Nitrobenzene-d5
Concen: 21.497 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion: 82 Resp: 137515

Ion	Ratio	Lower	Upper
82	100		
128	38.0	34.0	51.0
54	41.6	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
PL-01-082917-BDL

Manual Integrations APPROVED
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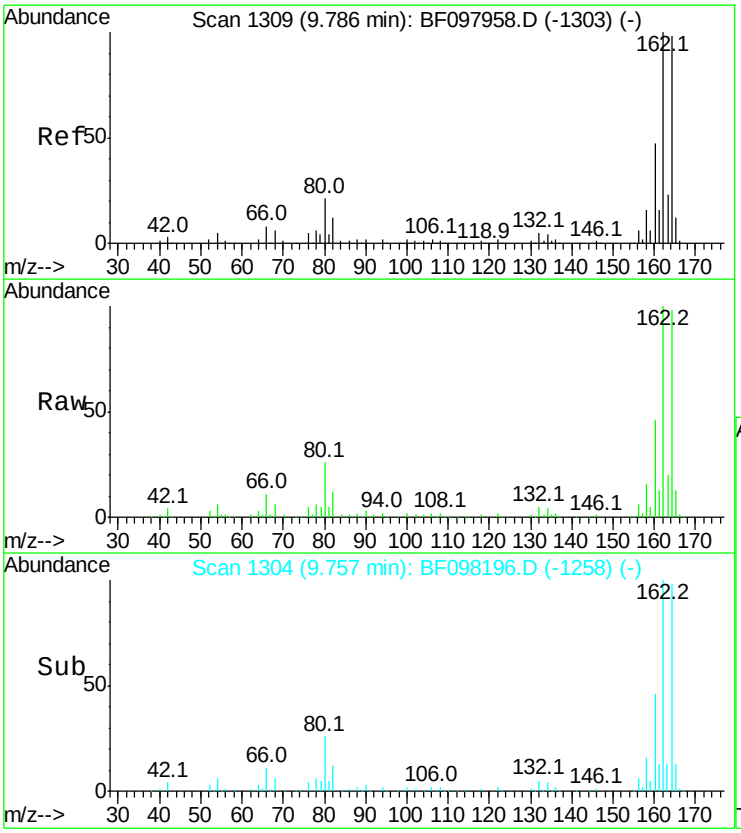
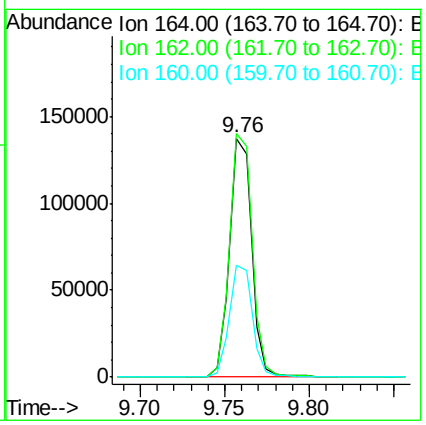
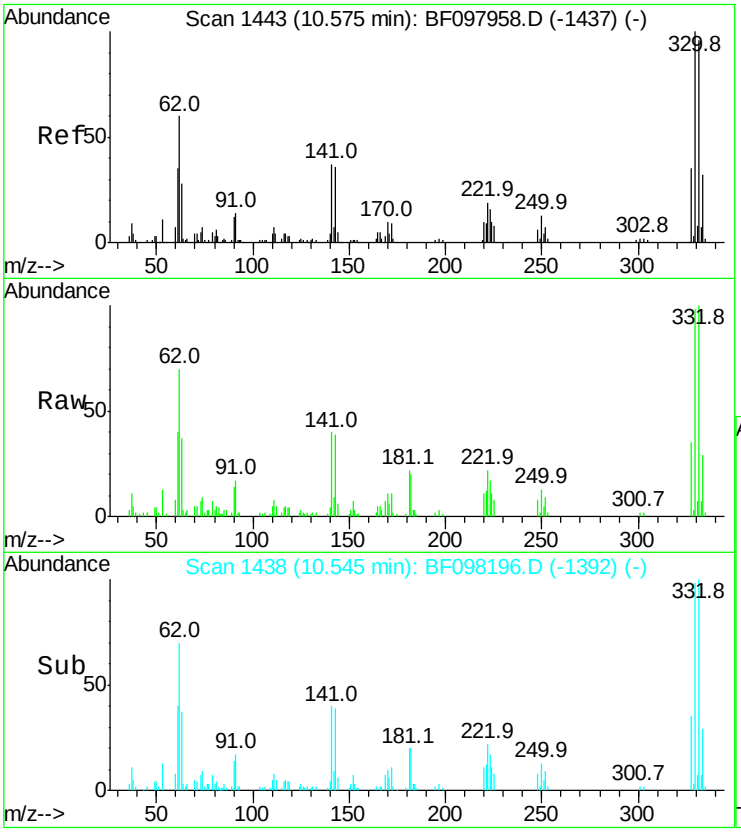


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.03 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:164 Resp: 124864

Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.6	123.8
160	47.1	36.2	54.2

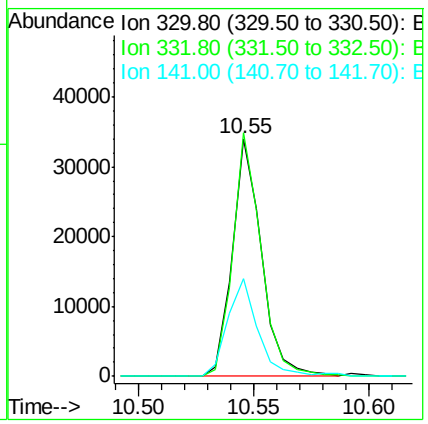




#41
2,4,6-Tribromophenol
Concen: 27.750 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.03 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:330 Resp: 30064

Ion	Ratio	Lower	Upper
330	100		
332	98.9	76.6	115.0
141	43.1	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
PL-01-082917-BDL

Manual Integrations APPROVED
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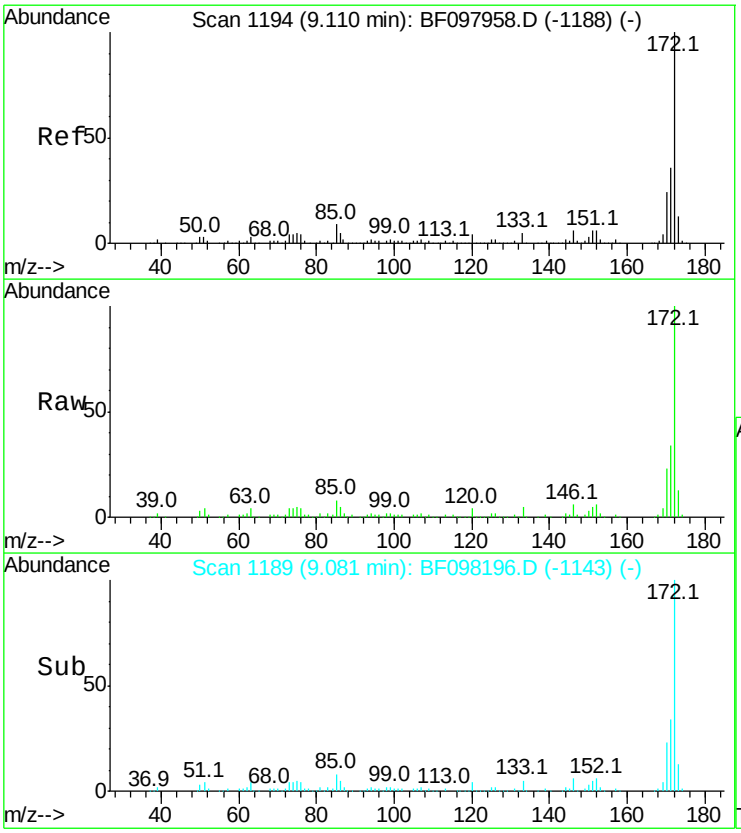
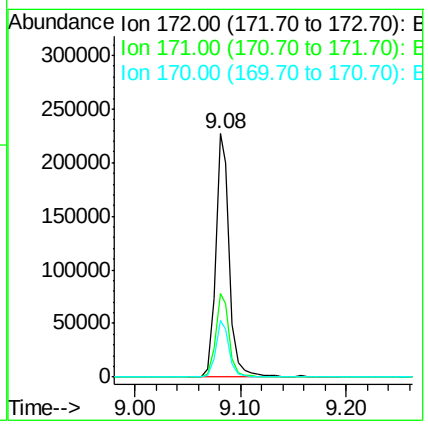
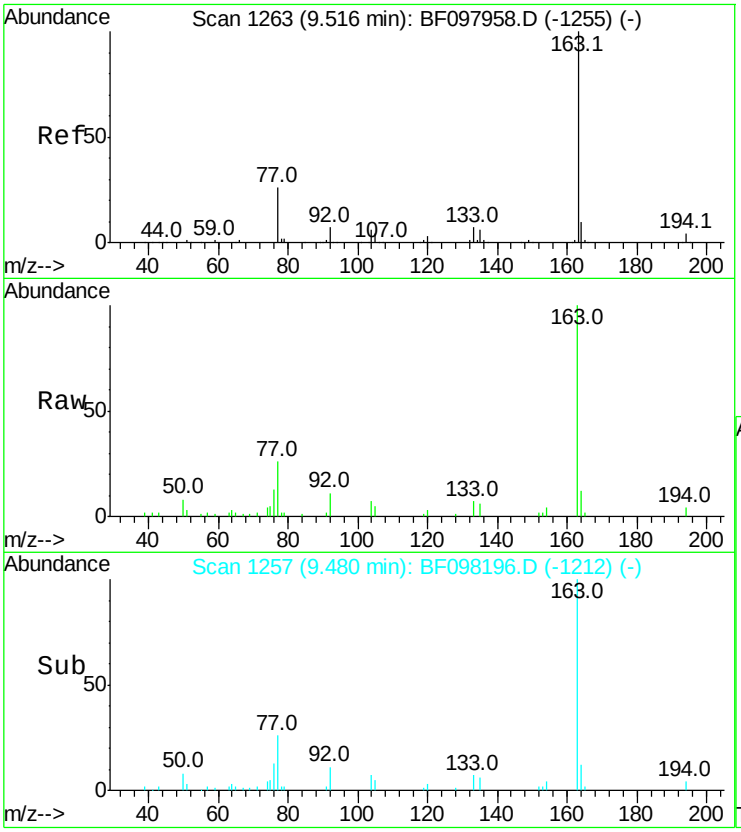


#44
2-Fluorobiphenyl
Concen: 24.701 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.03 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:172 Resp: 209924

Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.6	44.4
170	23.2	19.8	29.8

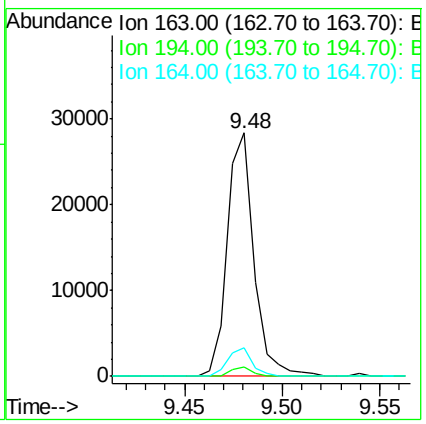




#49
Dimethylphthalate
Concen: 2.941 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:163 Resp: 26844

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	4.0
164	11.6	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
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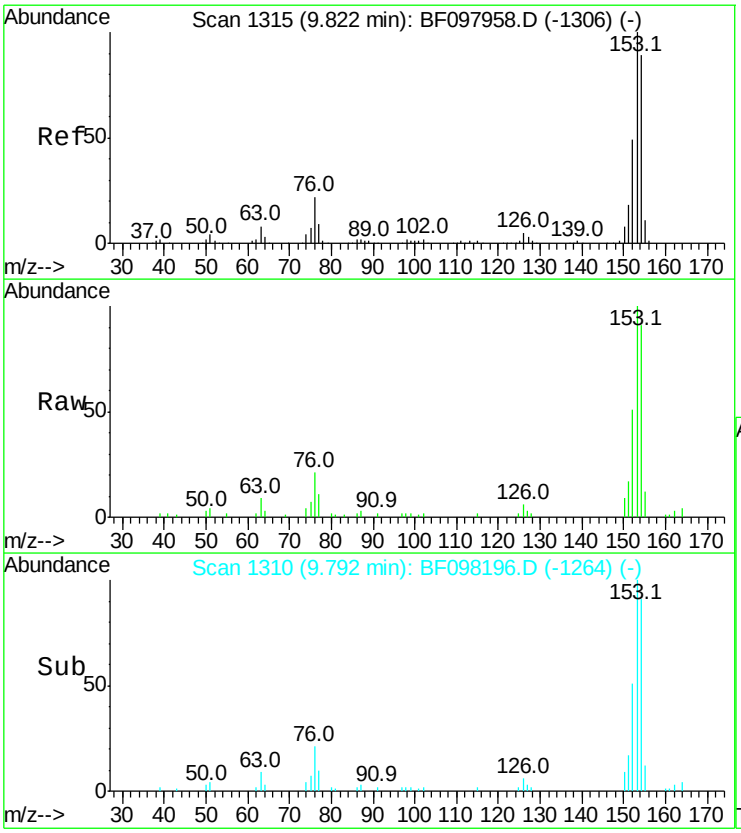
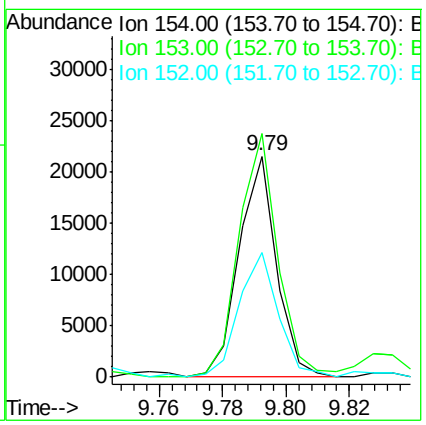
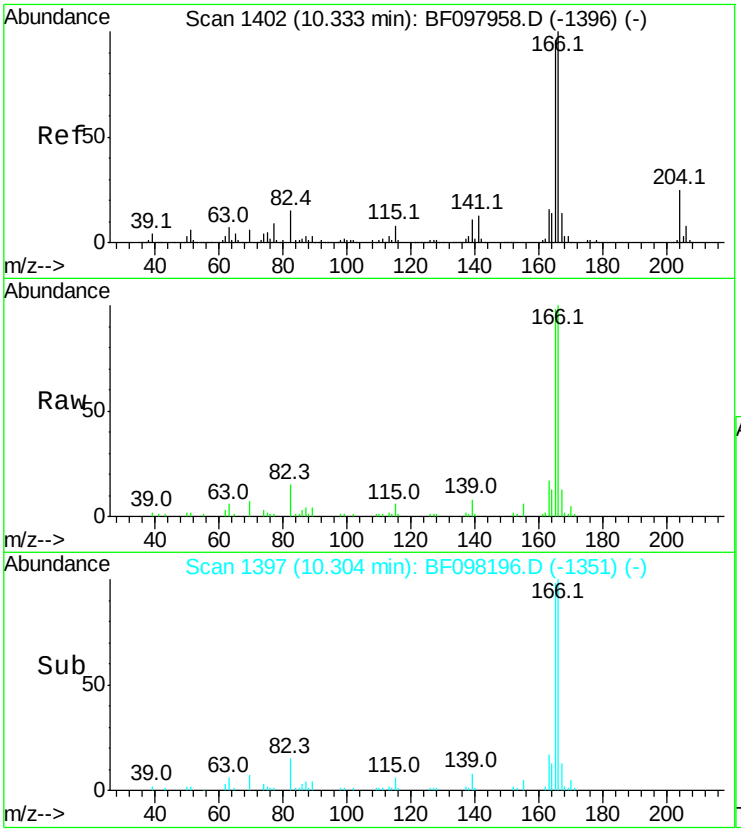


#51
Acenaphthene
Concen: 2.122 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:154 Resp: 17684

Ion	Ratio	Lower	Upper
154	100		
153	110.4	90.5	135.7
152	56.5	43.6	65.4

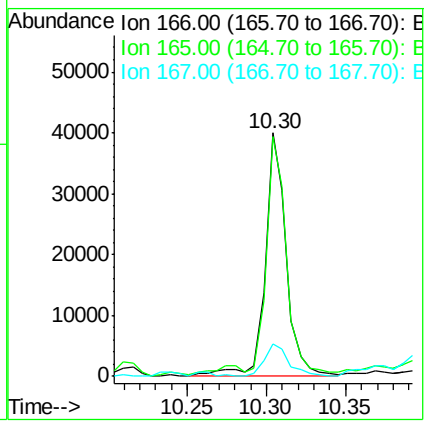




#57
Fluorene
Concen: 4.334 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.03 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:166 Resp: 37422

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.8	118.2
167	13.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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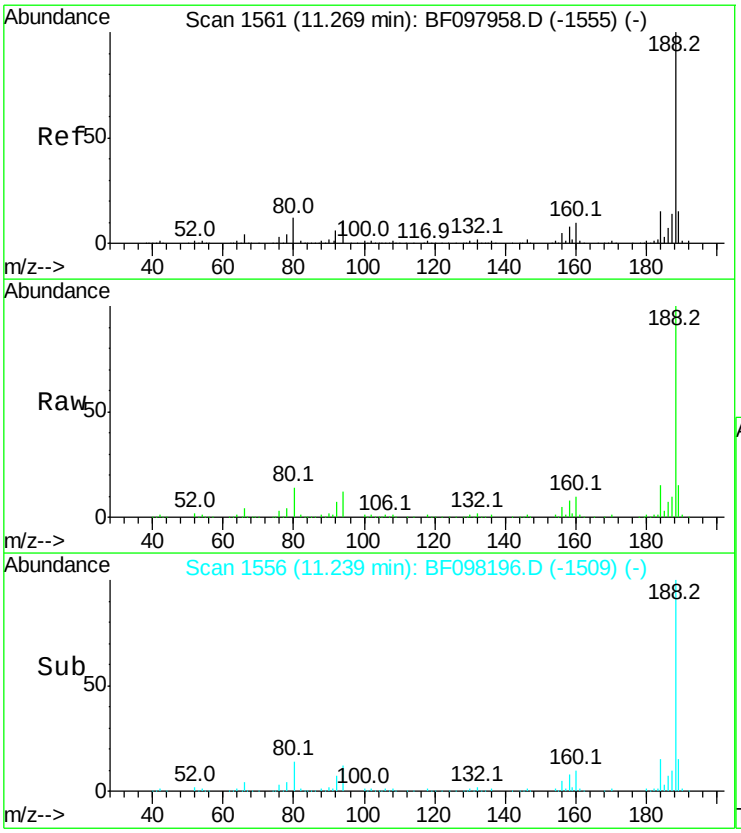
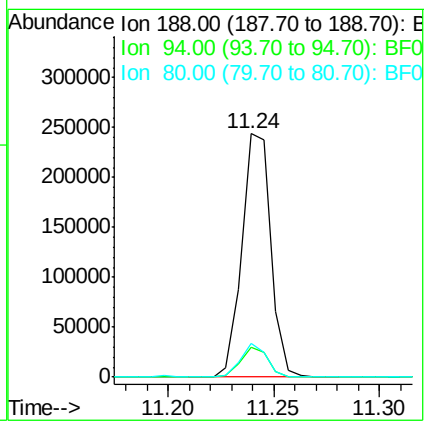
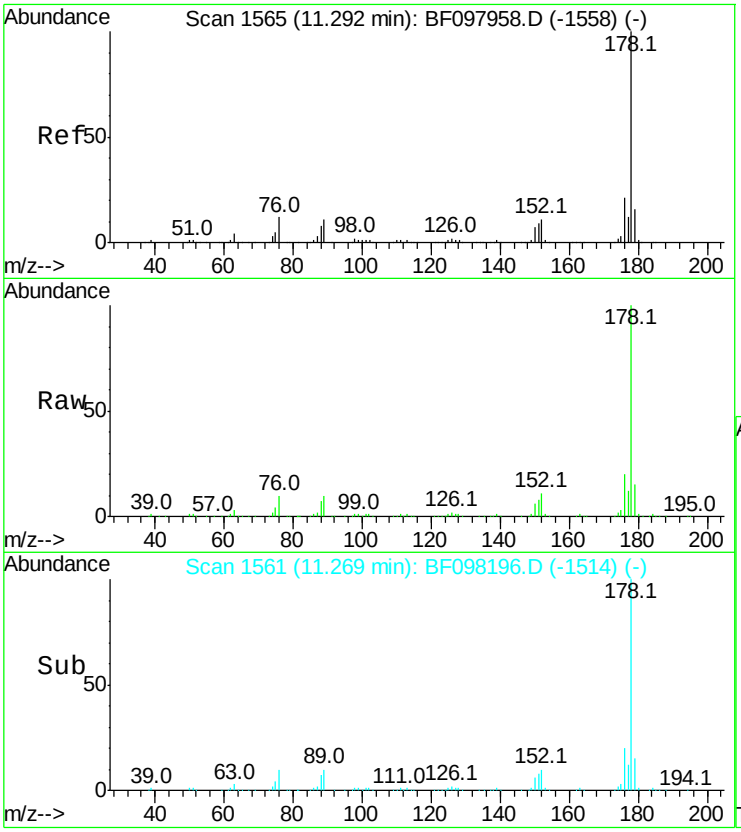


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:188 Resp: 231339

Ion	Ratio	Lower	Upper
188	100		
94	12.2	9.4	14.2
80	14.0	10.2	15.2

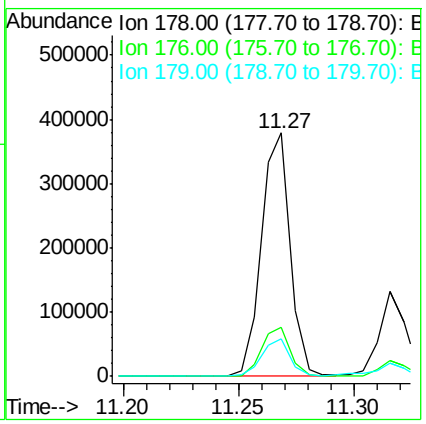




#70
Phenanthrene
Concen: 26.625 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:178 Resp: 328214

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	15.2	12.6	19.0



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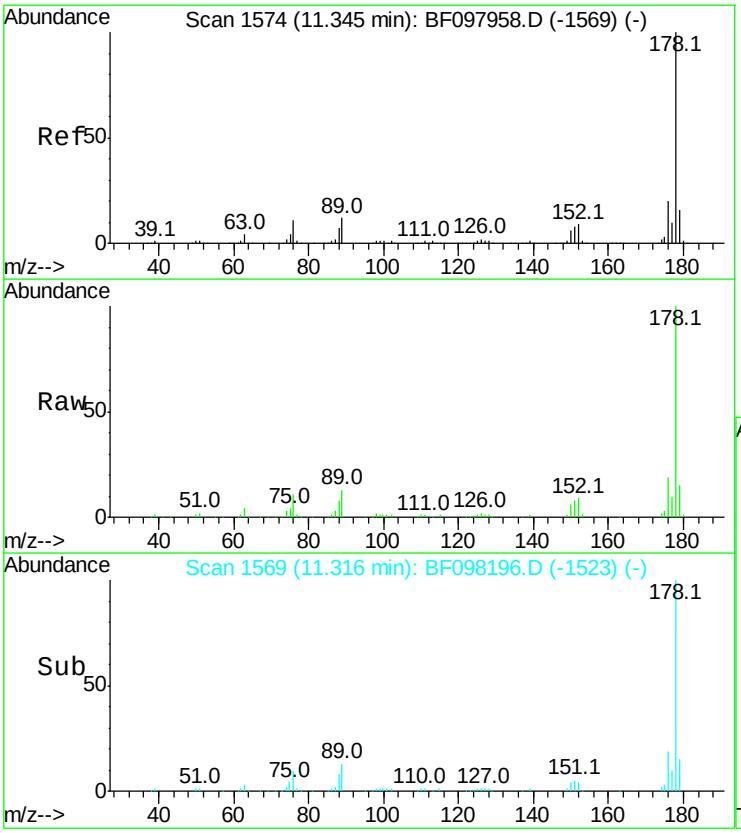
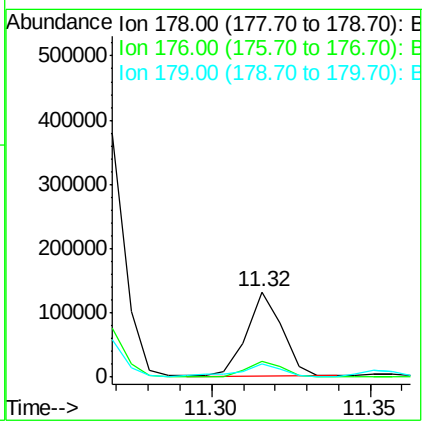
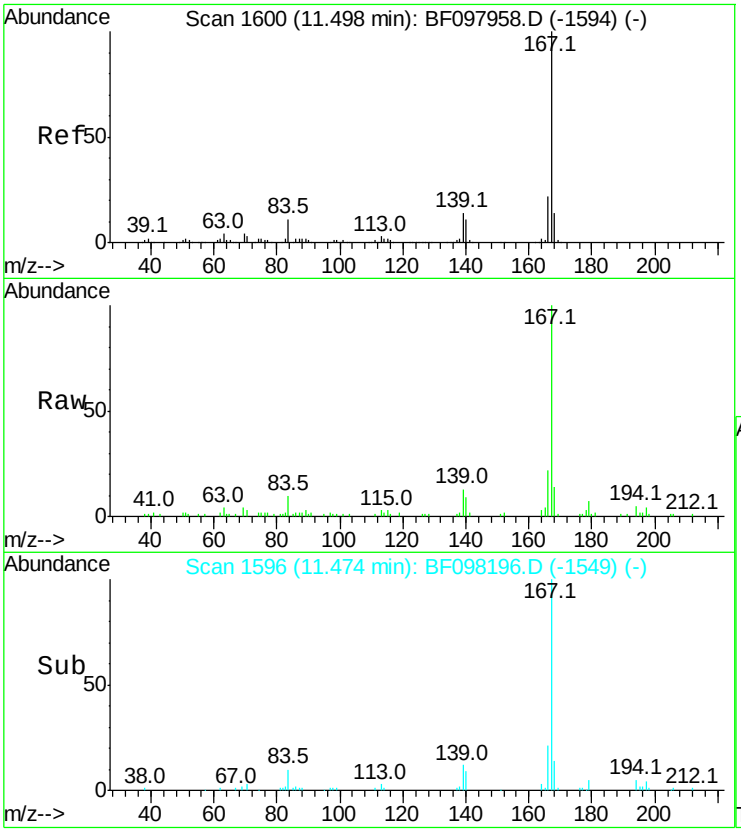


#71
Anthracene
Concen: 8.194 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.03 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:178 Resp: 102452

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.3	12.7	19.1

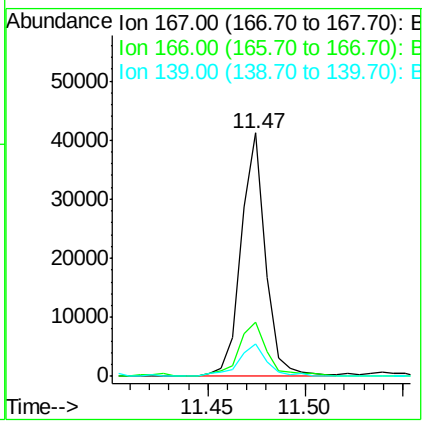




#72
Carbazole
Concen: 3.018 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:167 Resp: 35820

Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.1	27.1
139	13.4	11.7	17.5



Instrument :
BNA_F
ClientSampleId :
PL-01-082917-BDL

Manual Integrations APPROVED
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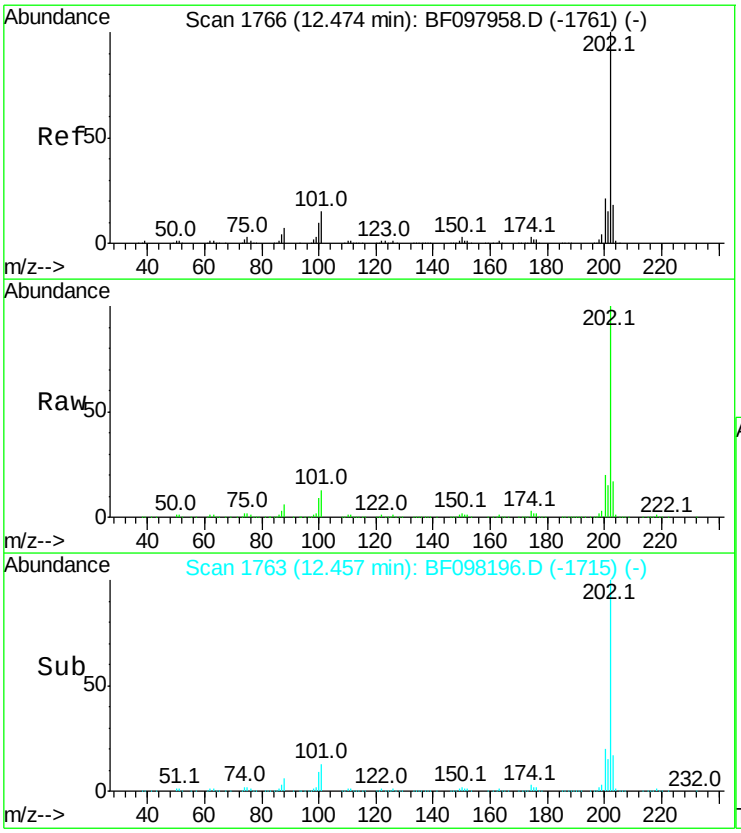
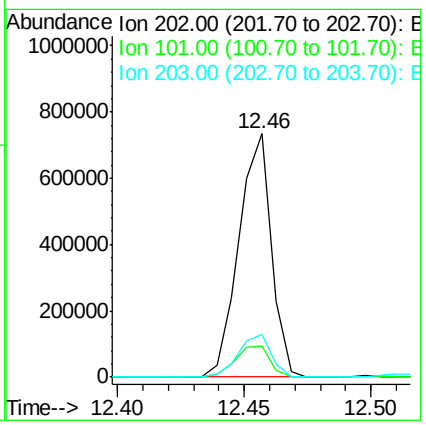
8/31/2017 7:13:55 PM

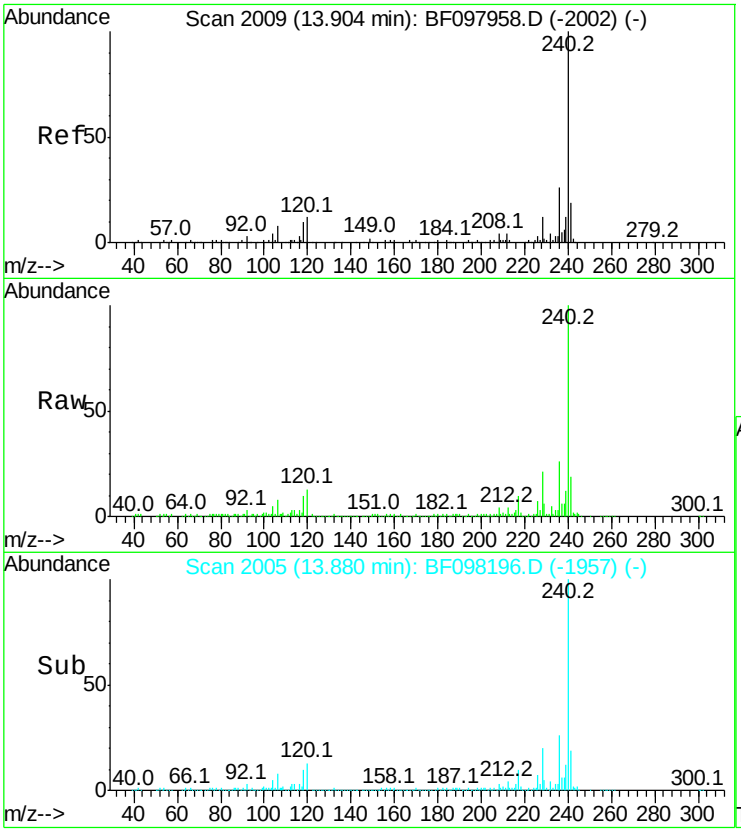


#74
Fluoranthene
Concen: 51.021 ng
RT: 12.46 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:202 Resp: 656481

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	17.4	0.0	38.1

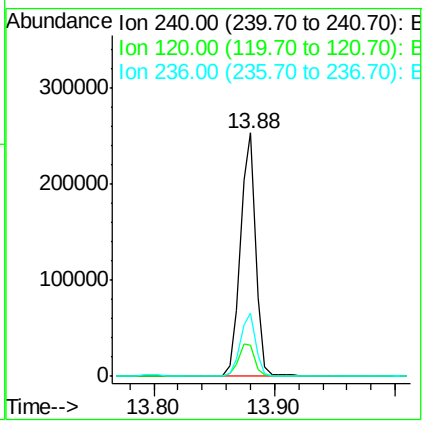




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:240 Resp: 225683

Ion	Ratio	Lower	Upper
240	100		
120	12.6	5.8	8.8#
236	26.0	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
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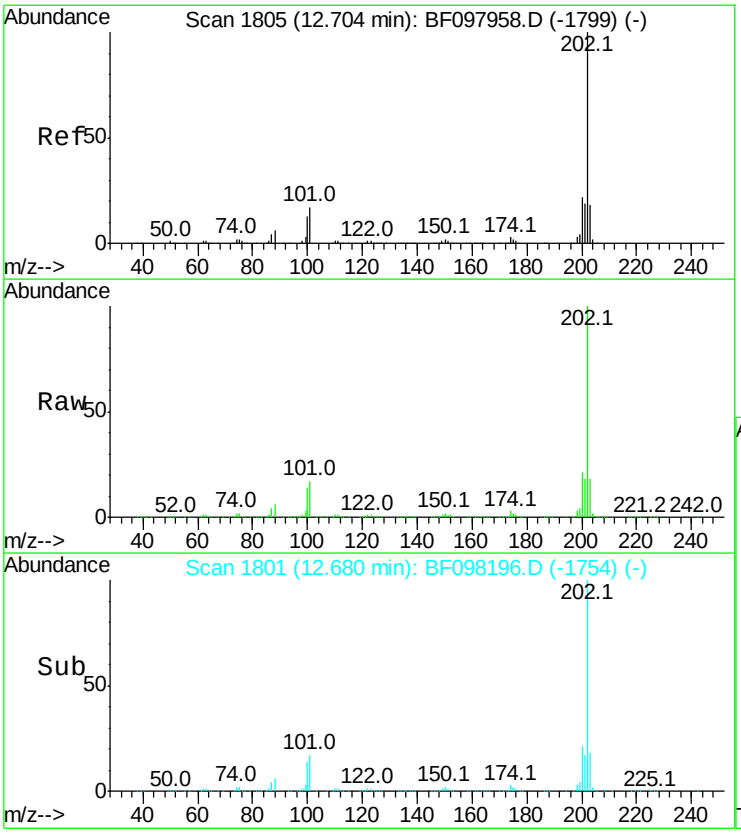
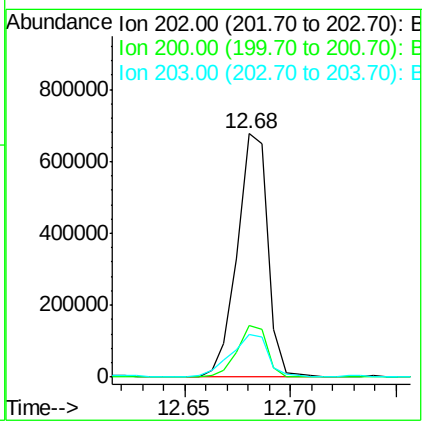
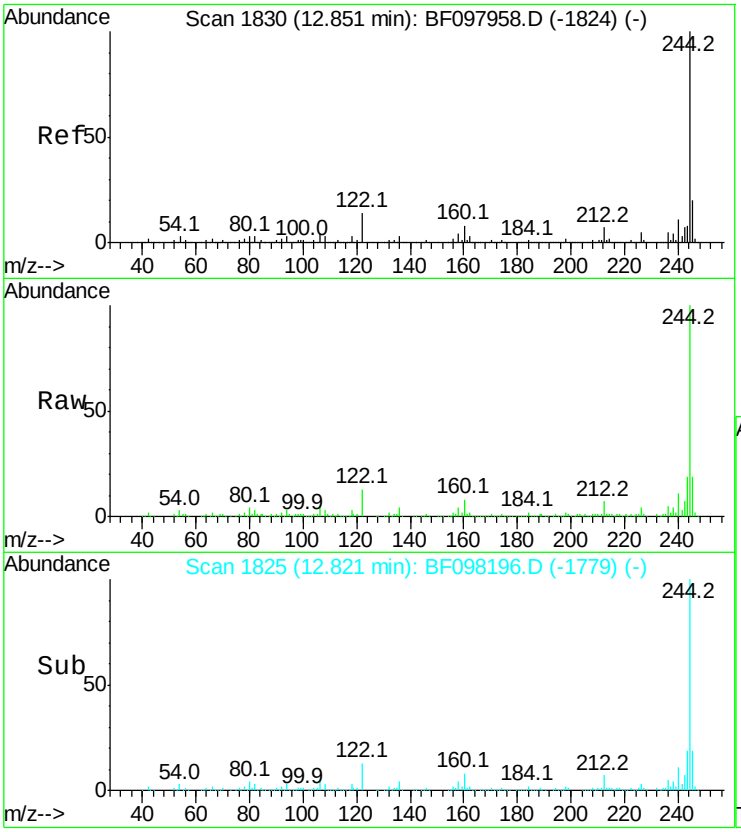


#77
Pyrene
Concen: 36.690 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:202 Resp: 677238

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	17.7	14.4	21.6

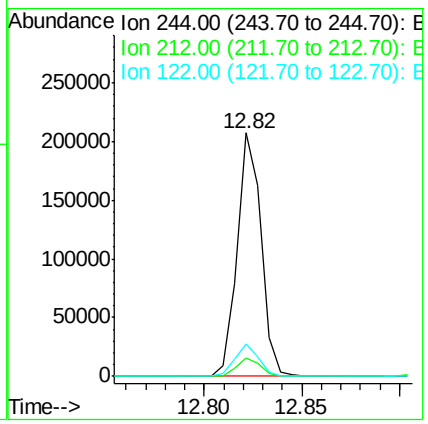




#78
Terphenyl-d14
Concen: 16.265 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.03 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:244 Resp: 176023

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	13.2	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
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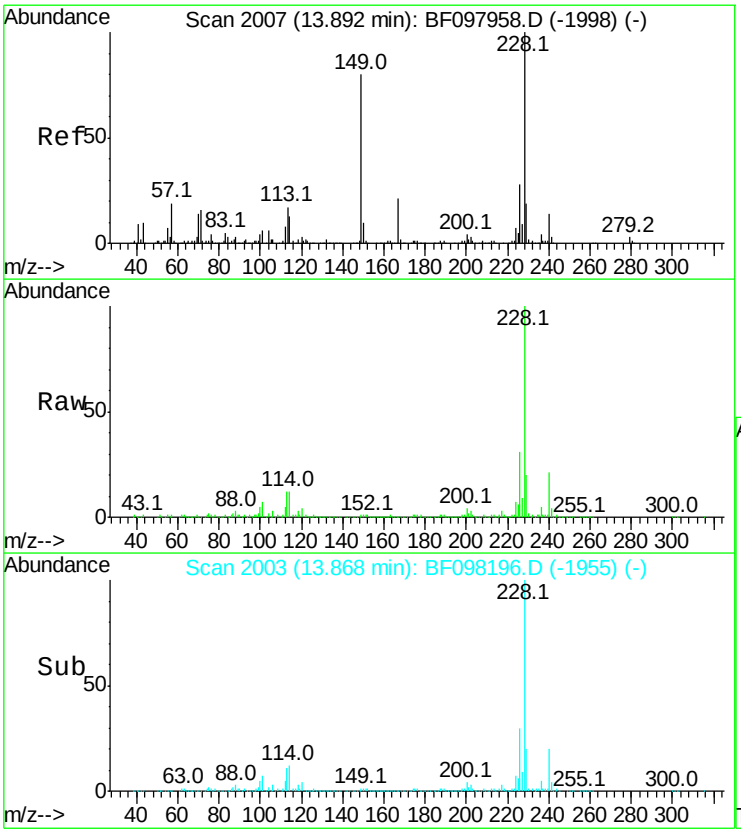
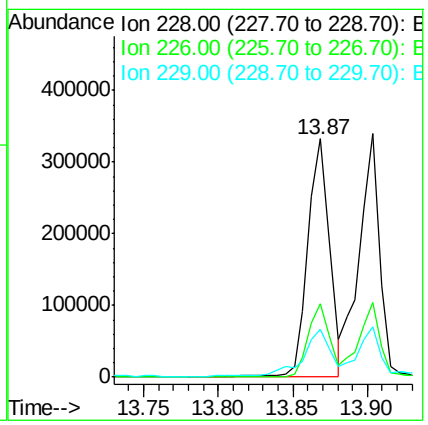
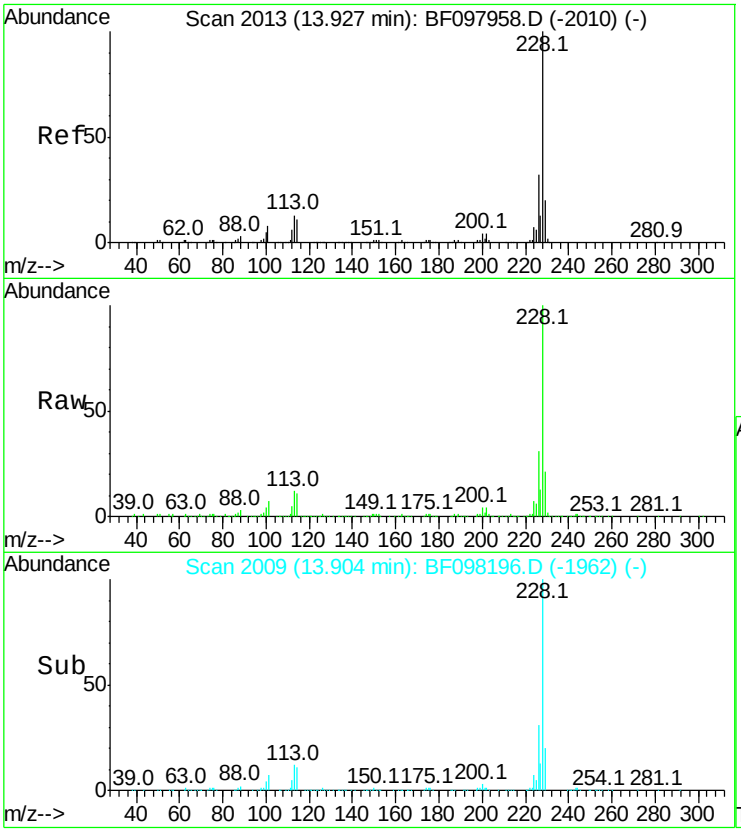


#80
Benzo(a)anthracene
Concen: 24.631 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:228 Resp: 333161

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	20.3	16.3	24.5

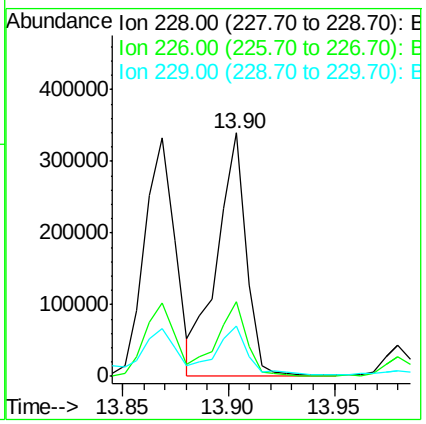




#82
Chrysene
Concen: 24.005 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:228 Resp: 322991

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	20.9	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
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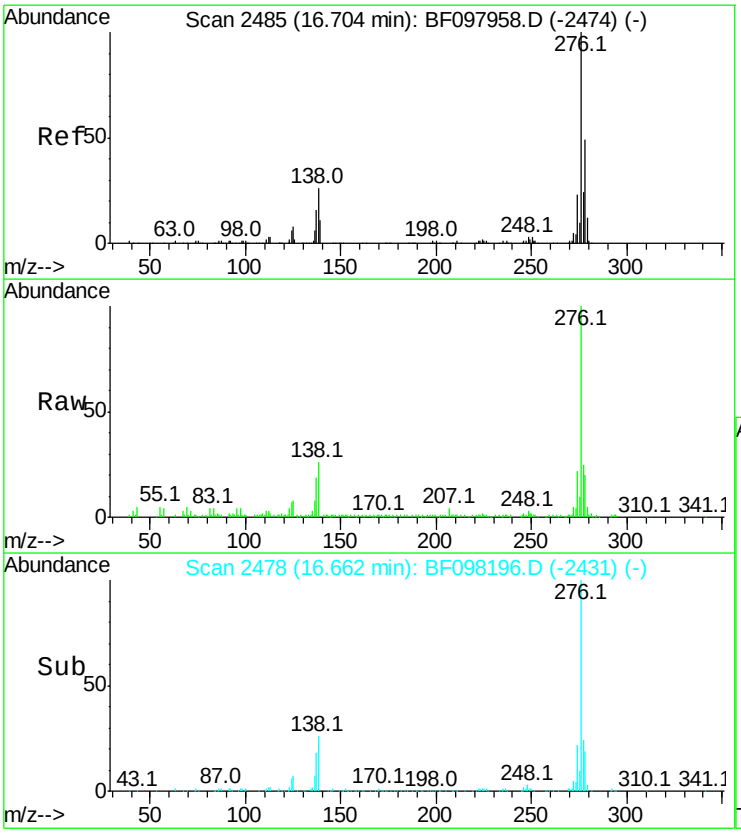
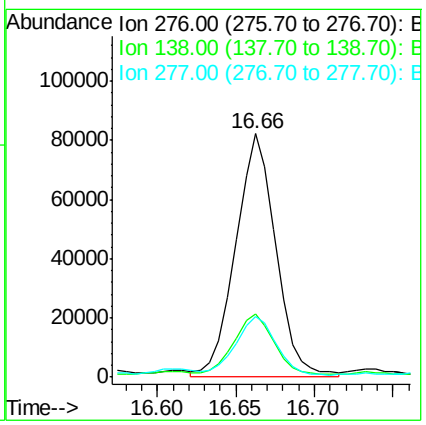
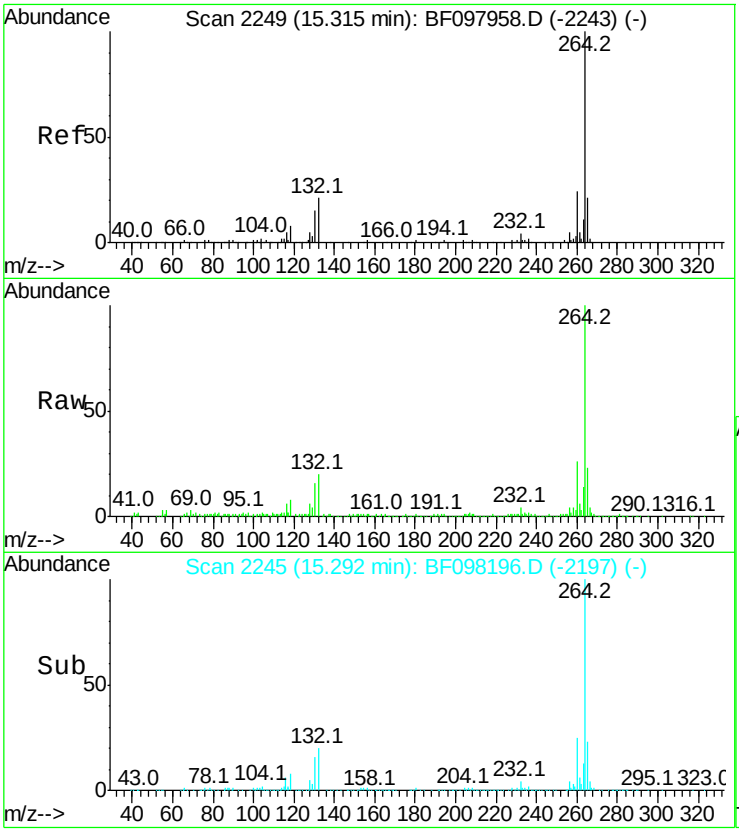


#85
Indeno(1,2,3-cd)pyrene
Concen: 14.800 ng m
RT: 16.66 min Scan# 2478
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:276 Resp: 146496

Ion	Ratio	Lower	Upper
276	100		
138	5.4	27.8	41.6#
277	4.7	20.2	30.4#

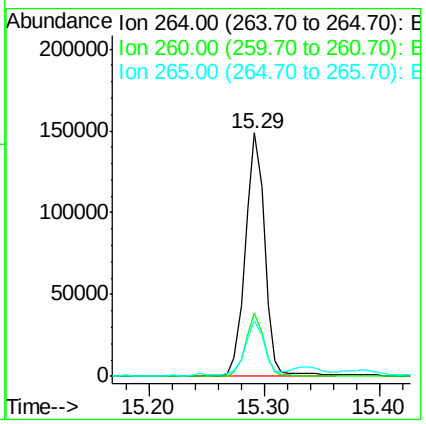




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:264 Resp: 174017

Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.5	29.3
265	22.9	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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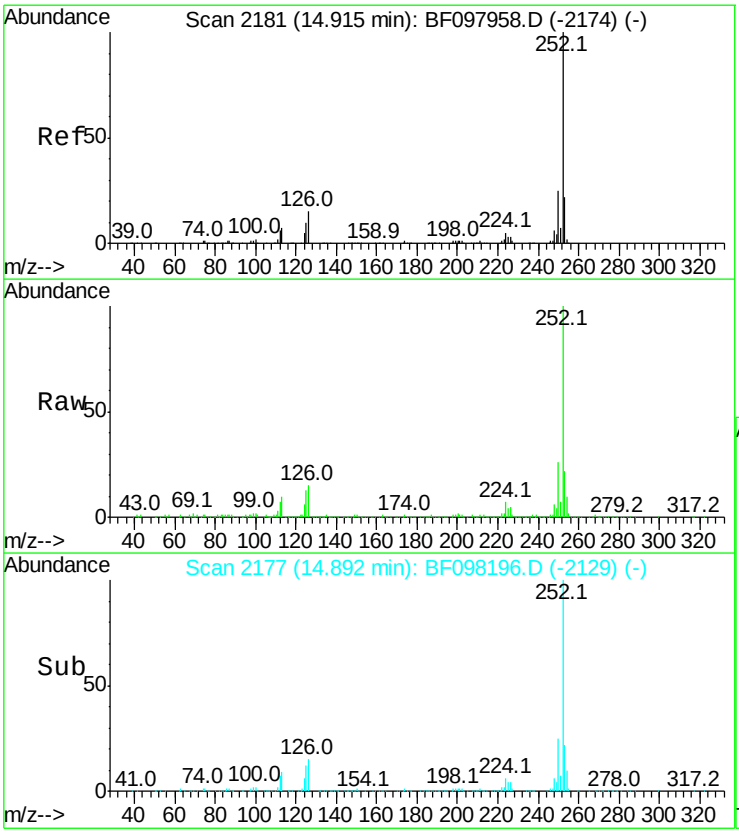
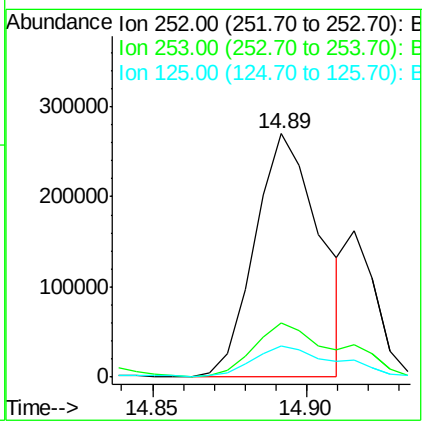
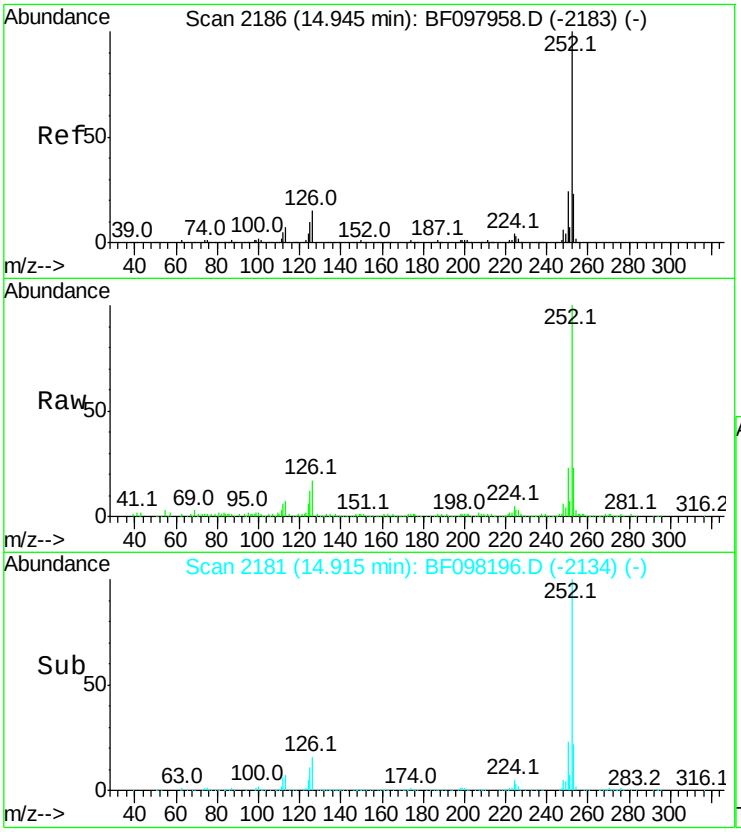


#87
Benzo(b)fluoranthene
Concen: 36.235 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:252 Resp: 397457

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	12.9	9.8	14.8





#88
Benzo(k)fluoranthene
Concen: 10.715 ng m
RT: 14.92 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:252 Resp: 110417

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	12.0	13.1	19.7#

Instrument :
BNA_F
ClientSampleId :
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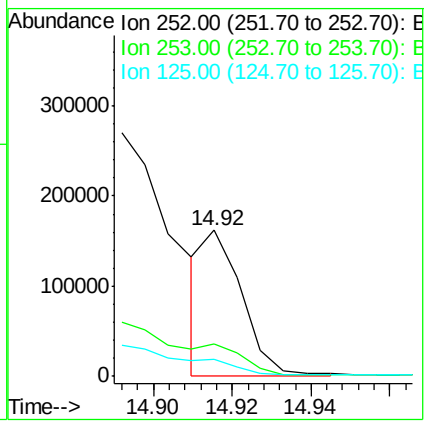
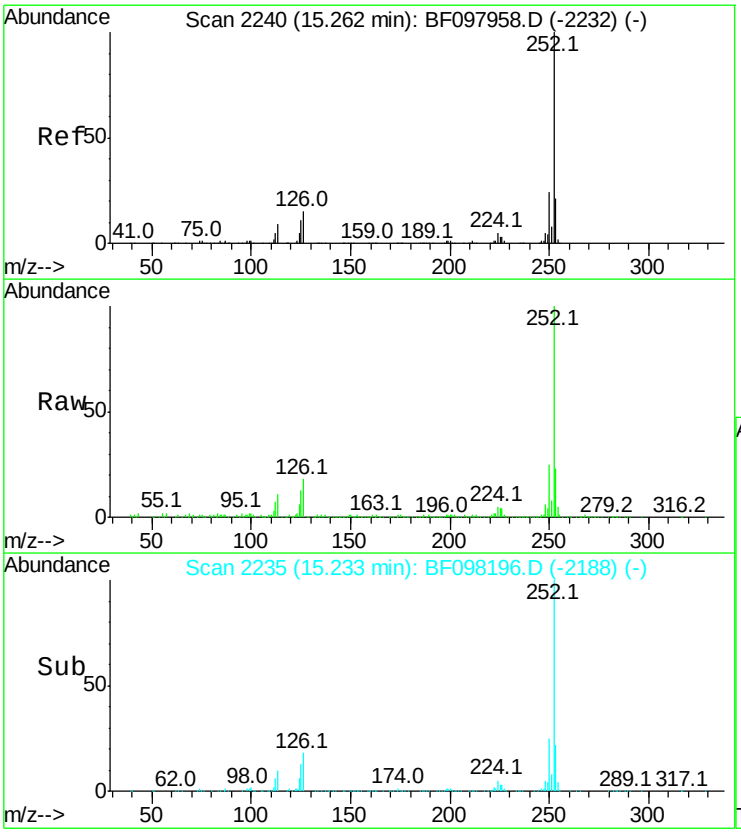
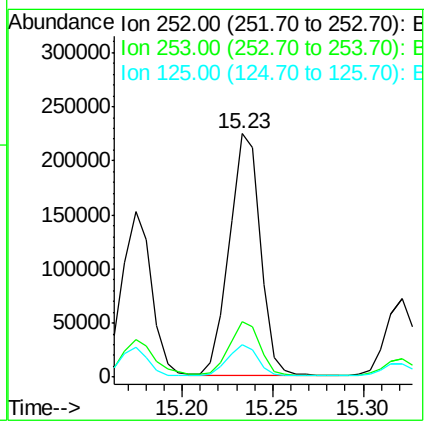


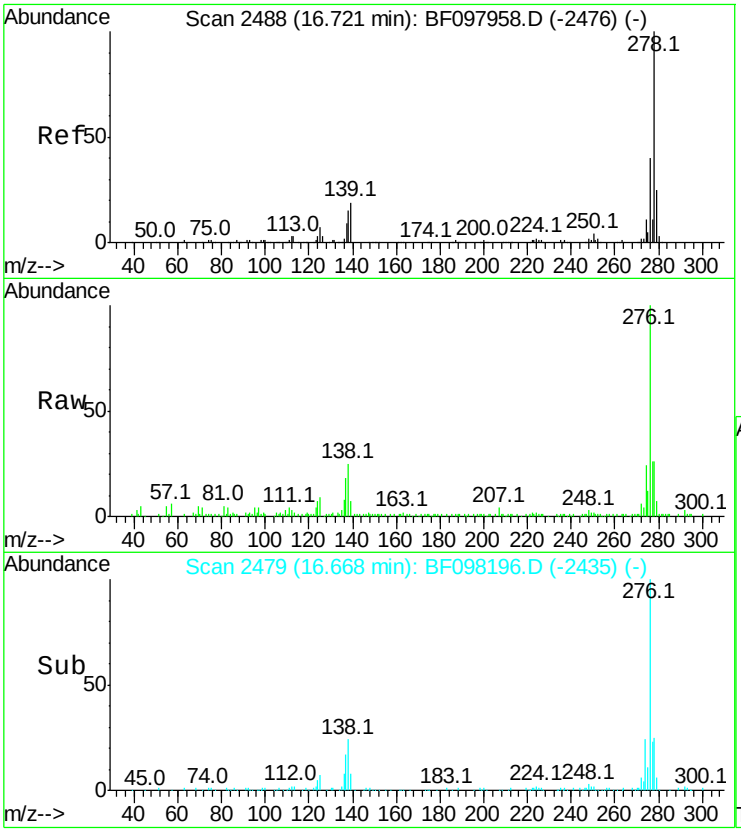


#89
Benzo(a)pyrene
Concen: 27.572 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:252 Resp: 267732

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	13.2	11.0	16.4

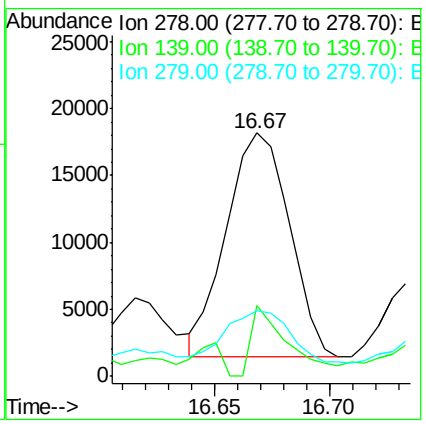




#90
Dibenzo(a,h)anthracene
Concen: 4.010 ng m
RT: 16.67 min Scan# 2479
Delta R.T. -0.04 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:278 Resp: 31699

Ion	Ratio	Lower	Upper
278	100		
139	29.1	16.6	24.8#
279	27.0	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
PL-01-082917-BDL

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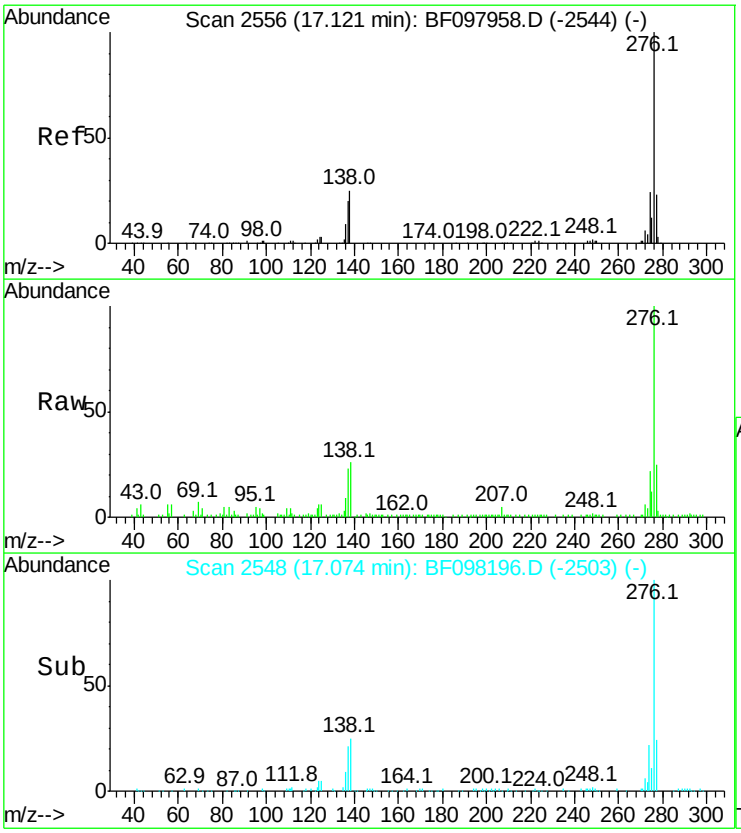

#91
Benzo(g,h,i)perylene
Concen: 16.117 ng
RT: 17.07 min Scan# 2548
Delta R.T. -0.04 min
Lab File: BF098196.D
Acq: 31 Aug 2017 11:11

Tgt Ion:276 Resp: 132941

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	26.1	25.4	38.0