Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105005.D
Acq On : 2 May 2018 2:26
Operator : JU/SJ
Sample : J2453-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-14_1.5-2.0

Manual Integrations APPROVED
Sohil
5/2/2018 4:22:11 PM

Quant Time: May 02 13:01:57 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 01 16:13:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	131766	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	558485	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	262586	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	434723	20.00	ng	0.00
75) Chrysene-d12	14.02	240	253614	20.00	ng	0.04
86) Perylene-d12	15.54	264	255590	20.00	ng	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	706011	81.93	ng	0.00
7) Phenol-d6	6.43	99	871863	82.34	ng	0.00
23) Nitrobenzene-d5	7.36	82	549903	64.29	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	211858	77.78	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	933310	56.15	ng	0.00
78) Terphenyl-d14	12.92	244	740268	66.55	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.09	128	560202	20.144	ng	99
37) 2-Methylnaphthalene	8.79	142	215128	11.959	ng	99
45) 1,1'-Biphenyl	9.25	154	73652	3.339	ng	97
48) Acenaphthylene	9.69	152	56315	2.060	ng	97
49) Dimethylphthalate	9.55	163	118537	5.724	ng	98
51) Acenaphthene	9.86	154	268510	16.098	ng	100
54) Dibenzofuran	10.03	168	435497	18.735	ng	97
57) Fluorene	10.38	166	435680	25.751	ng	97
70) Phenanthrene	11.37	178	2704359	111.707	ng	99
71) Anthracene	11.41	178	932290m	37.884	ng	
72) Carbazole	11.56	167	439743	18.286	ng	99
74) Fluoranthene	12.56	202	2543790	100.568	ng	99
77) Pyrene	12.79	202	2232393	118.752	ng	98
80) Benzo(a)anthracene	14.00	228	1243665	82.084	ng	98
82) Chrysene	14.05	228	1026091	65.933	ng	97
85) Indeno(1,2,3-cd)pyrene	17.03	276	444679m	33.636	ng	
87) Benzo(b)fluoranthene	15.12	252	1156660m	71.653	ng	
88) Benzo(k)fluoranthene	15.14	252	465642m	30.554	ng	
89) Benzo(a)pyrene	15.42	252	559110m	38.710	ng	
90) Dibenzo(a,h)anthracene	17.03	278	131524m	11.087	ng	
91) Benzo(g,h,i)perylene	17.48	276	393247	34.217	ng	94

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

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Data File : BF105005.D
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Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

Manual Integrations APPROVED
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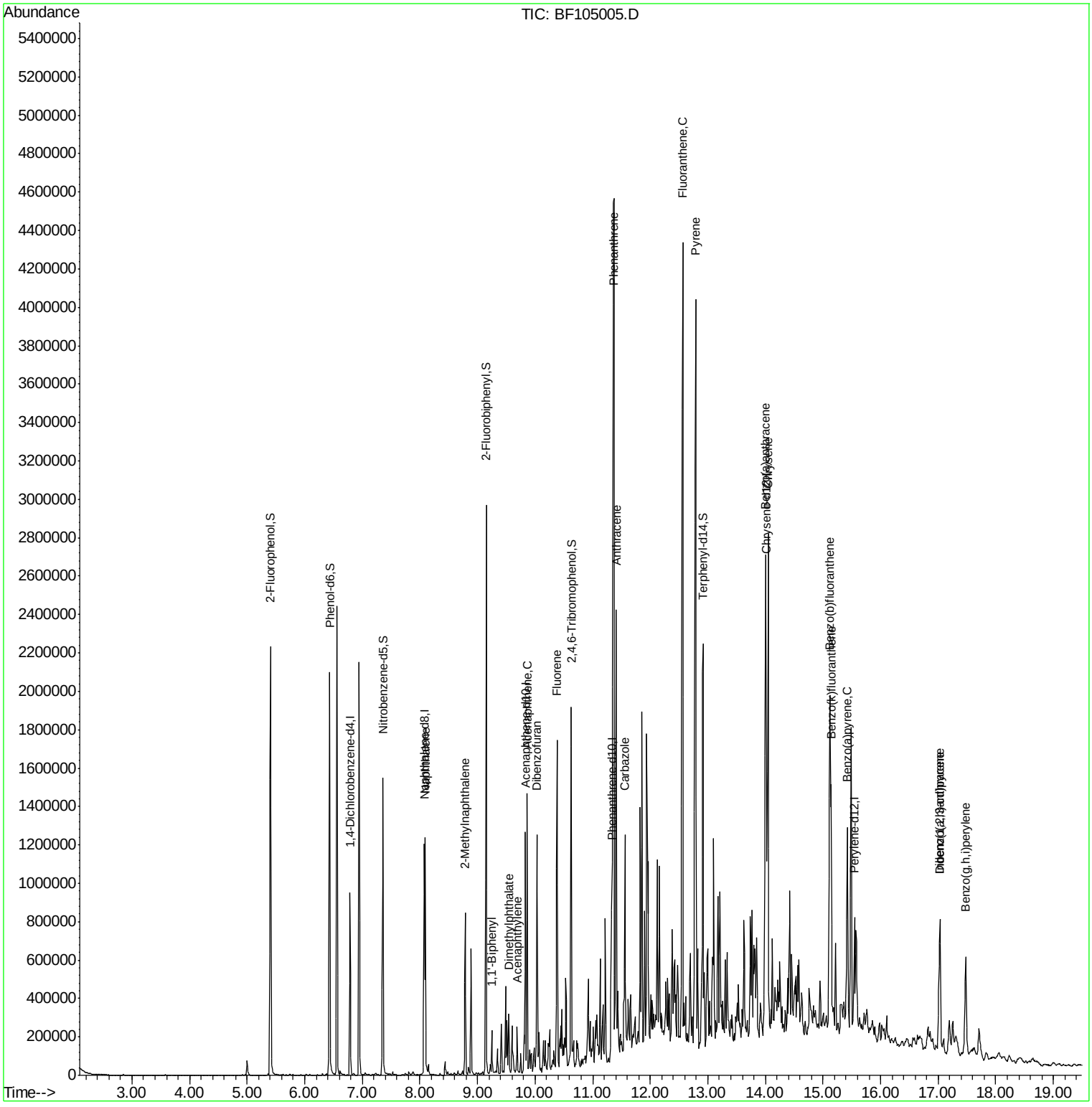
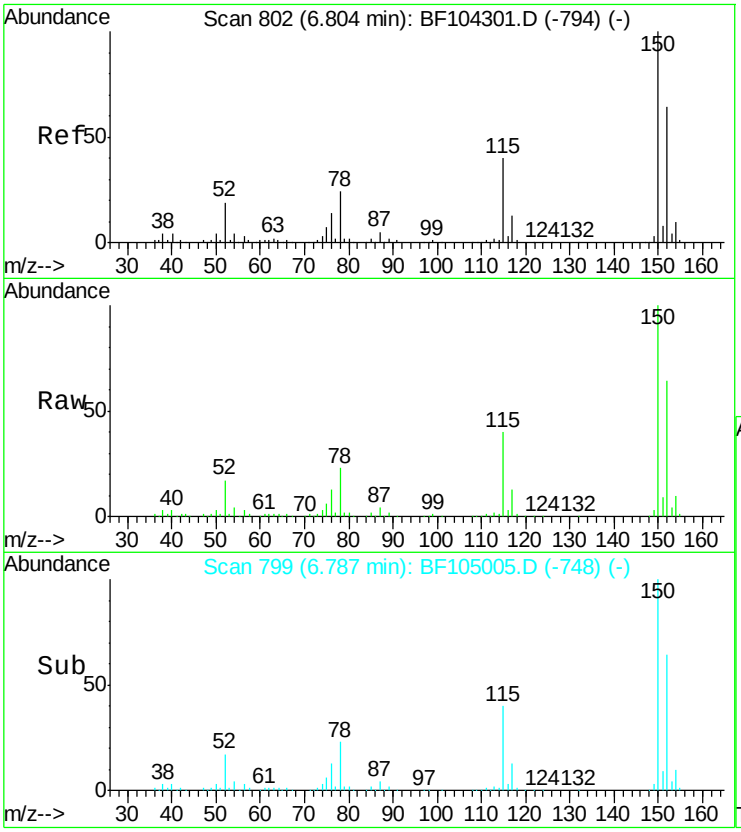
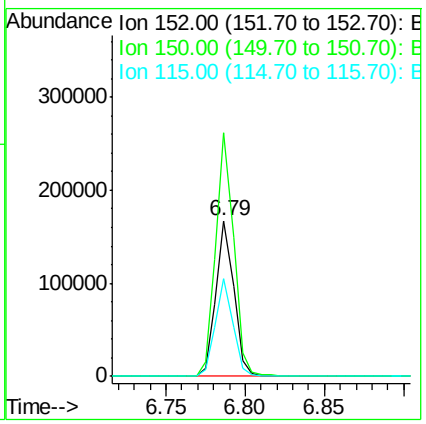




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:152 Resp: 131766

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	62.9	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

Manual Integrations APPROVED
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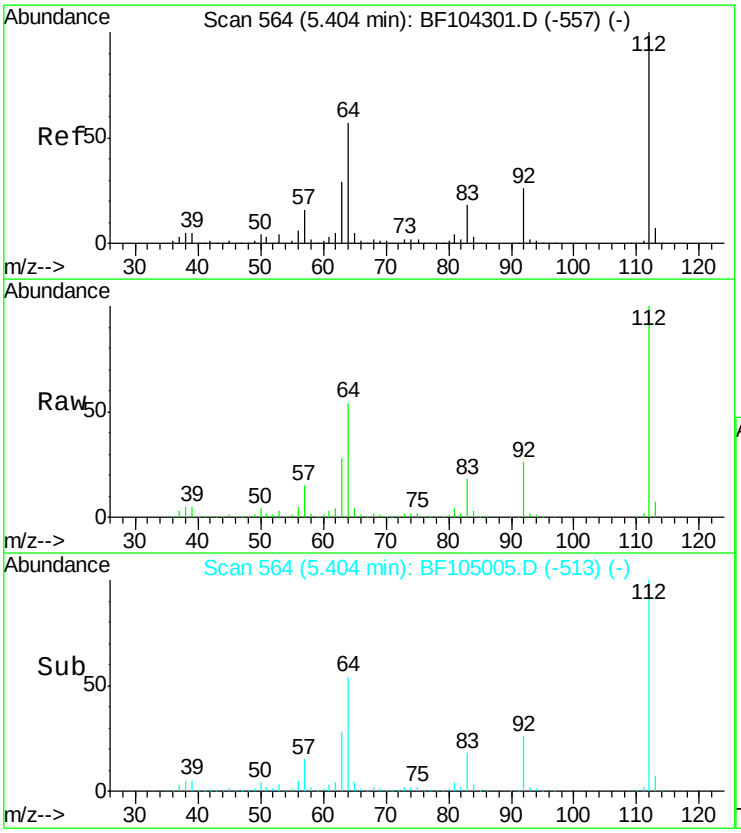
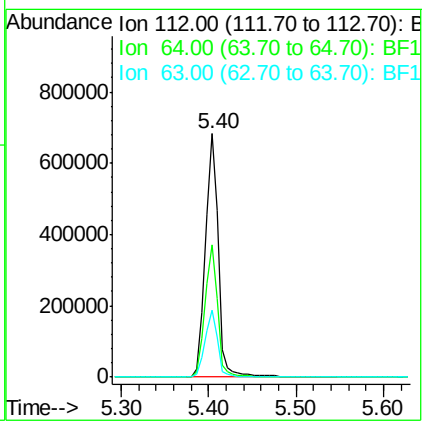
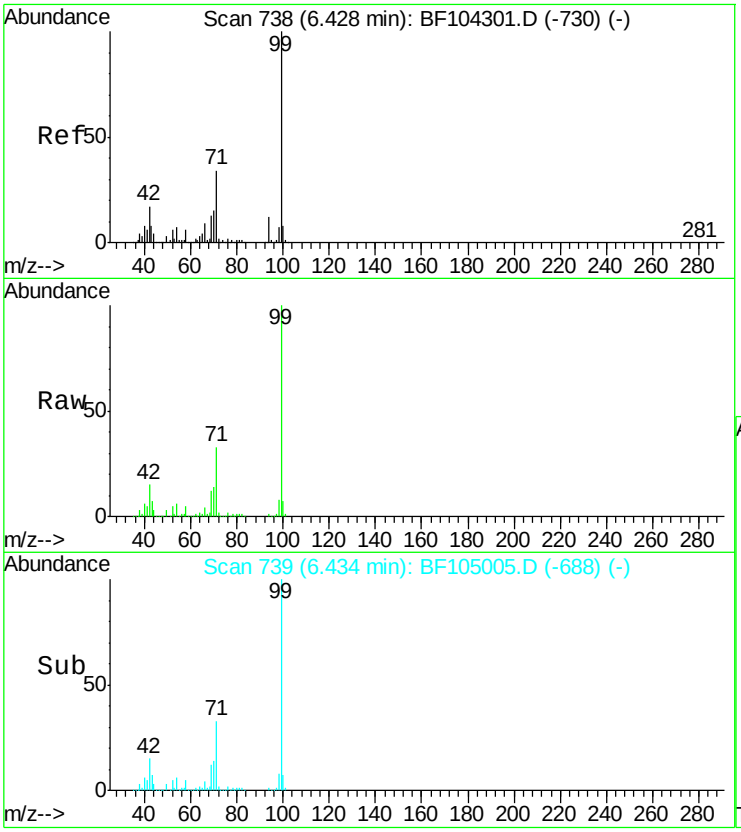


#5
2-Fluorophenol
Concen: 81.928 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:112 Resp: 706011

Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.9	71.9
63	27.7	23.7	35.5

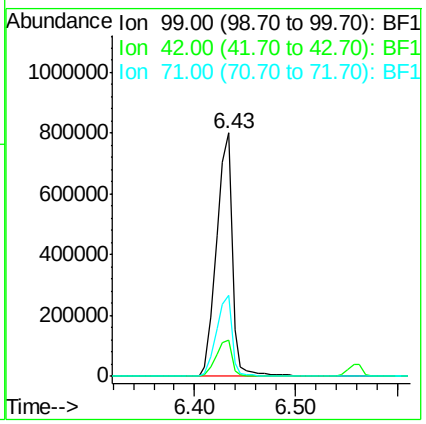




#7
Phenol-d6
Concen: 82.344 ng
RT: 6.43 min Scan# 739
Delta R.T. 0.00 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion: 99 Resp: 871863

Ion	Ratio	Lower	Upper
99	100		
42	14.7	14.5	21.7
71	33.4	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

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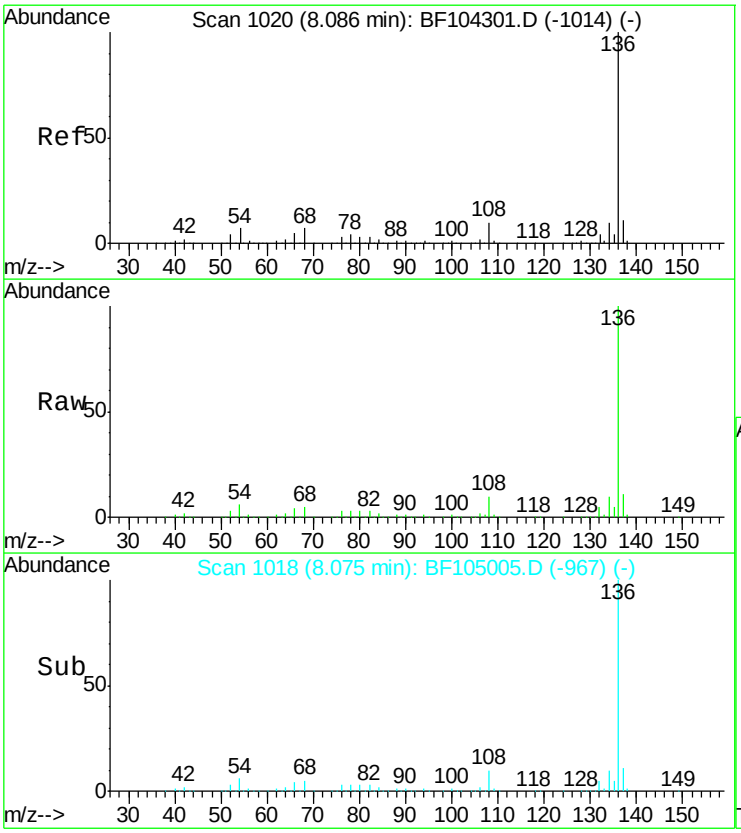
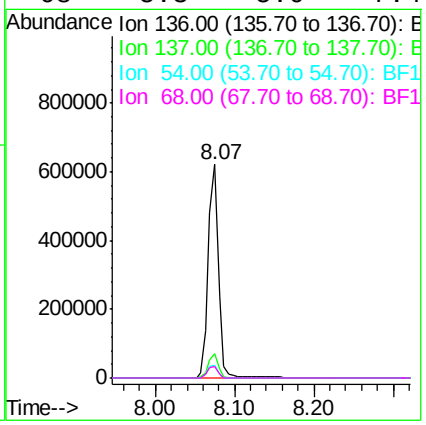
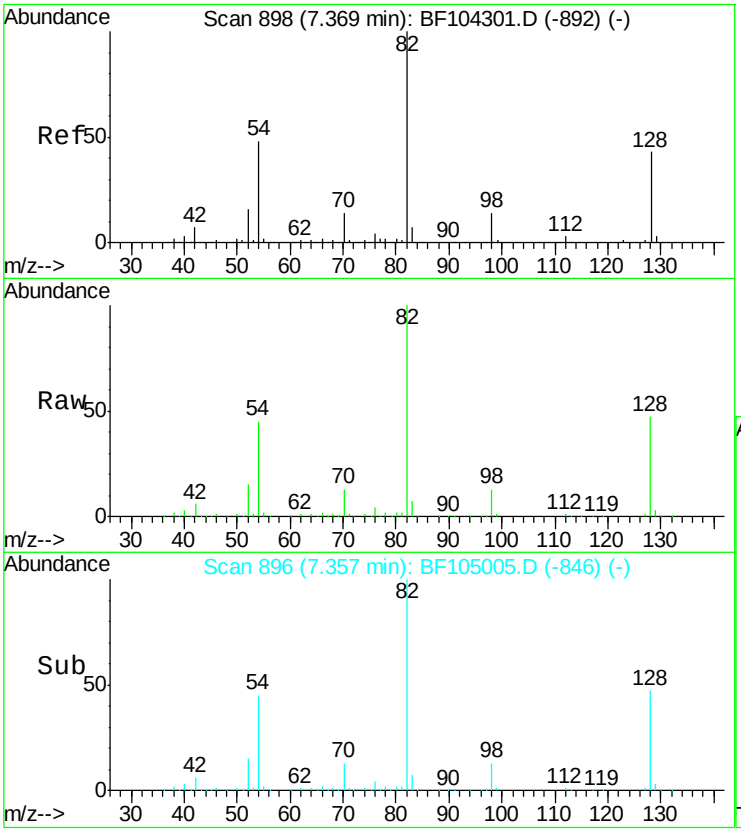


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:136 Resp: 558485

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.0	6.6	9.8#
68	5.3	5.0	7.4

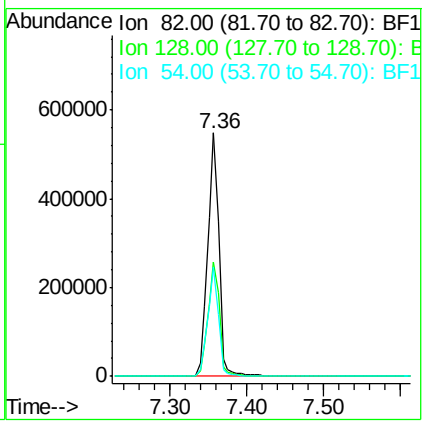




#23
Nitrobenzene-d5
Concen: 64.295 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion: 82 Resp: 549903

Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	44.7	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

Manual Integrations APPROVED
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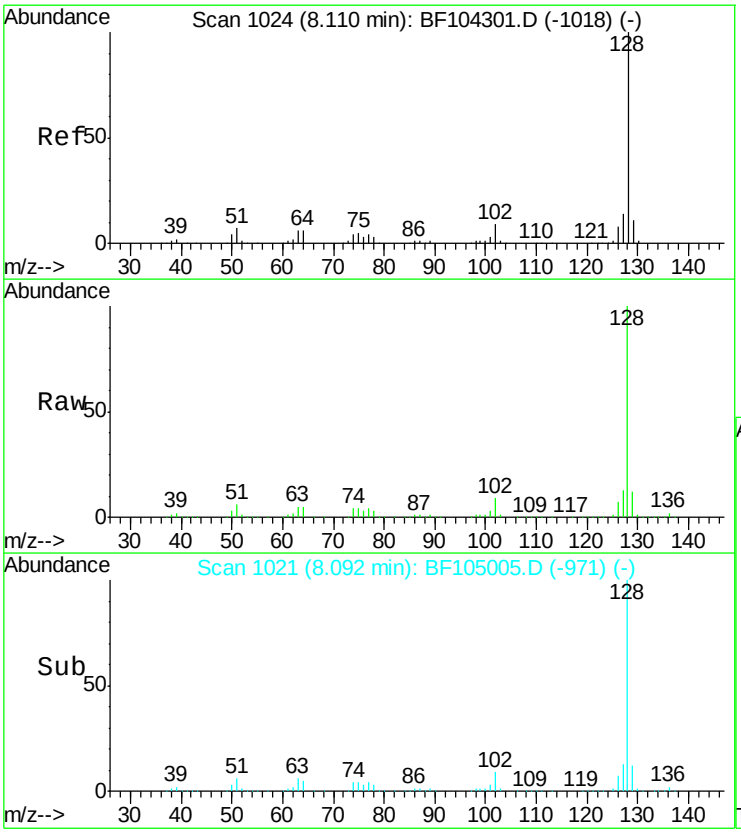
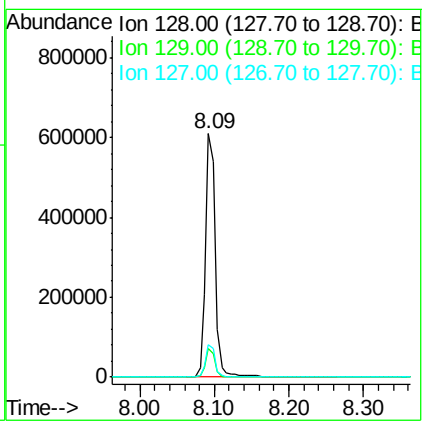
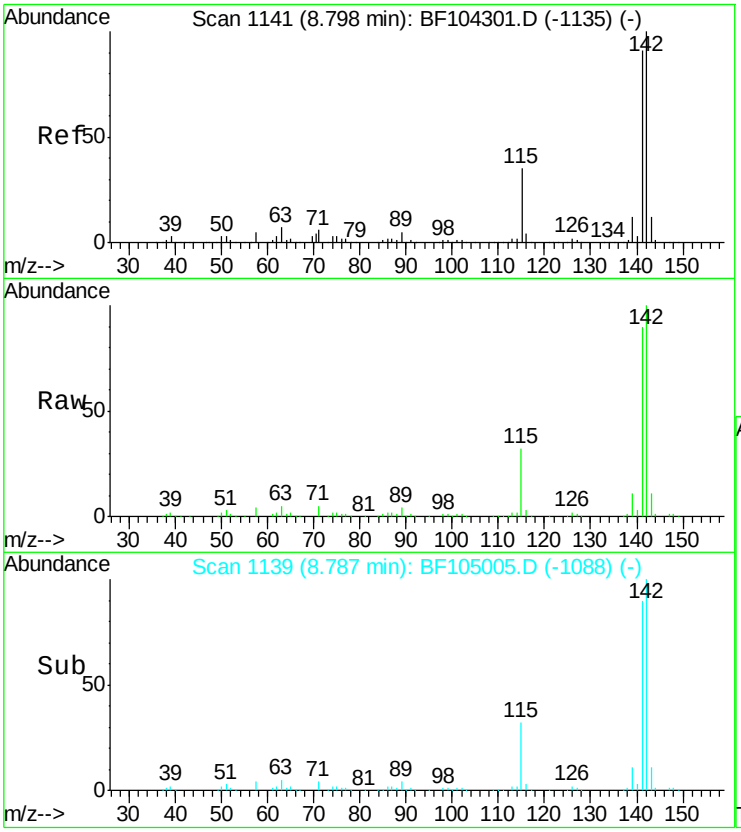


#31
Naphthalene
Concen: 20.144 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:128 Resp: 560202

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	13.2	10.9	16.3

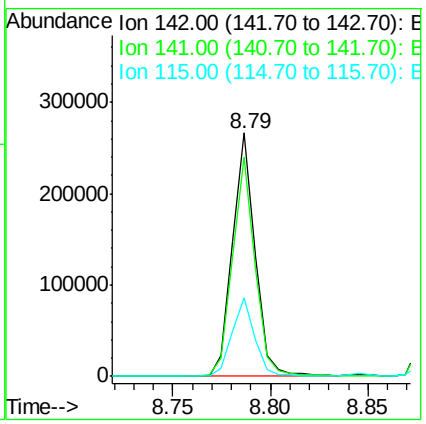




#37
2-Methylnaphthalene
Concen: 11.959 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:142 Resp: 215128

Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.8	106.2
115	32.4	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

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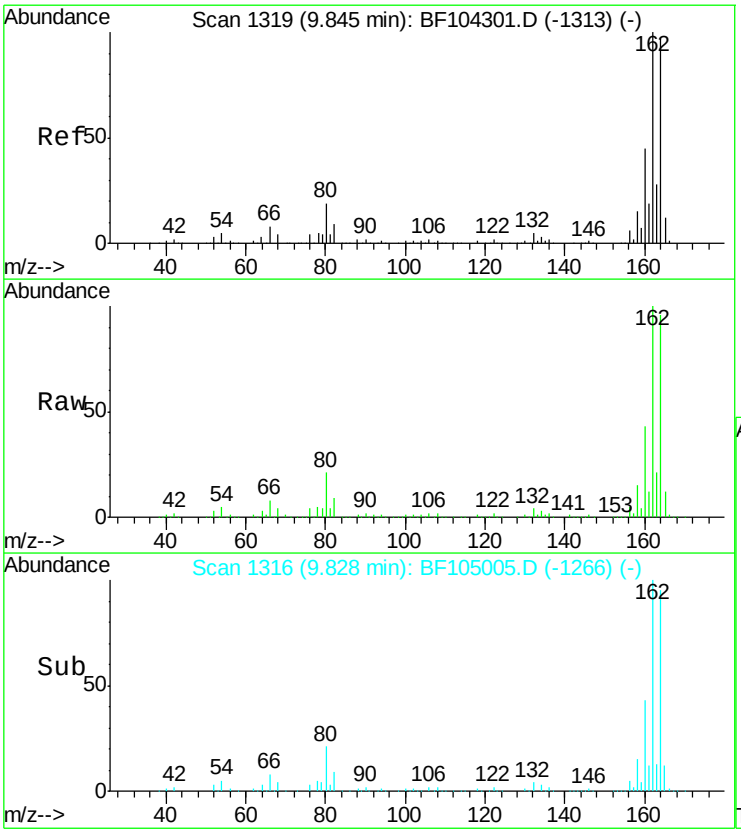
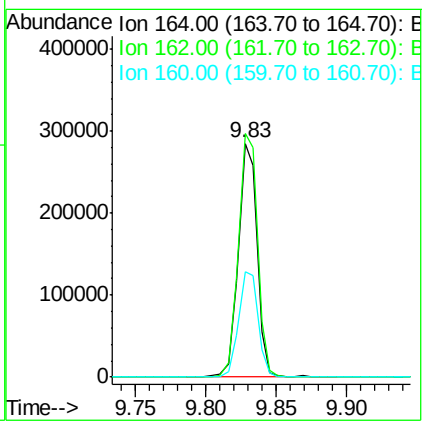
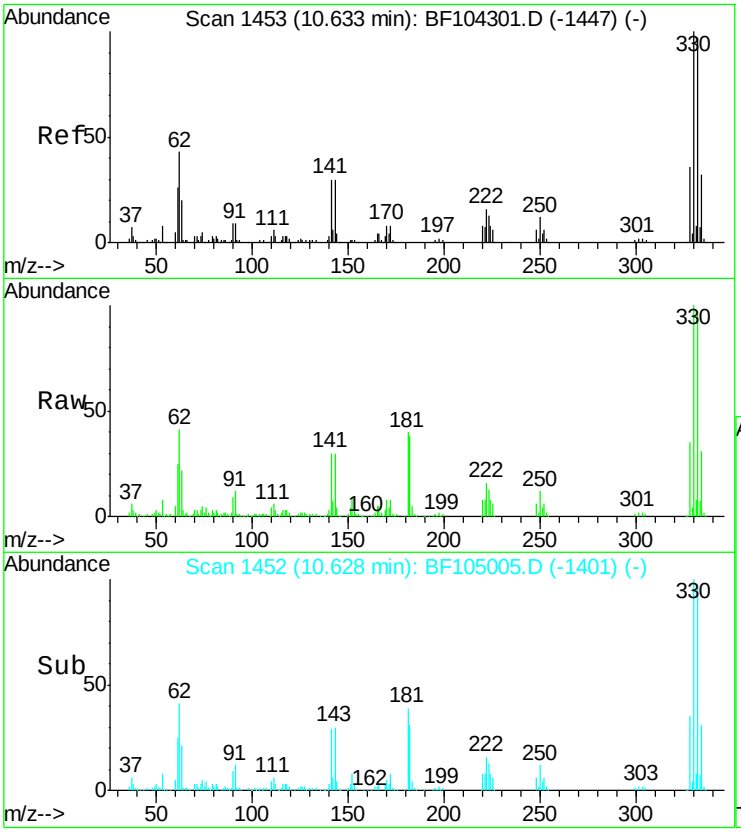


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:164 Resp: 262586

Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	45.2	38.3	57.5

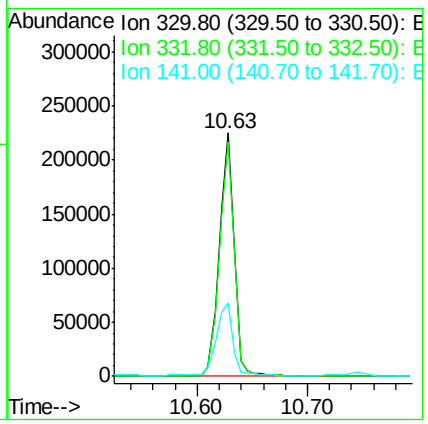




#41
2,4,6-Tribromophenol
Concen: 77.778 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:330 Resp: 211858

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	33.8	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

Manual Integrations APPROVED
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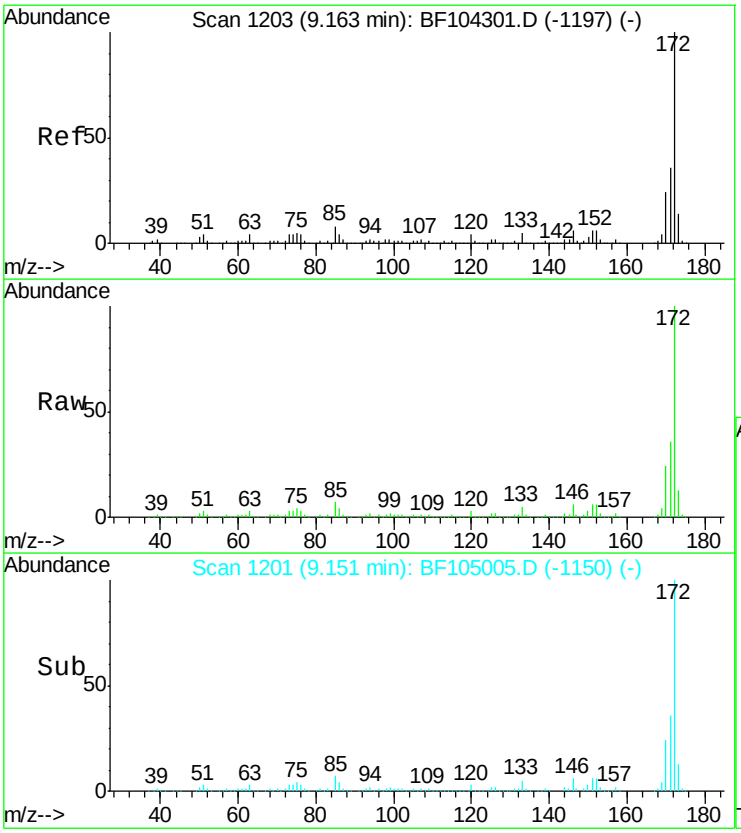
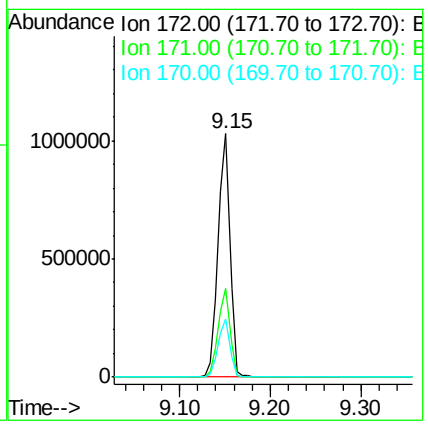
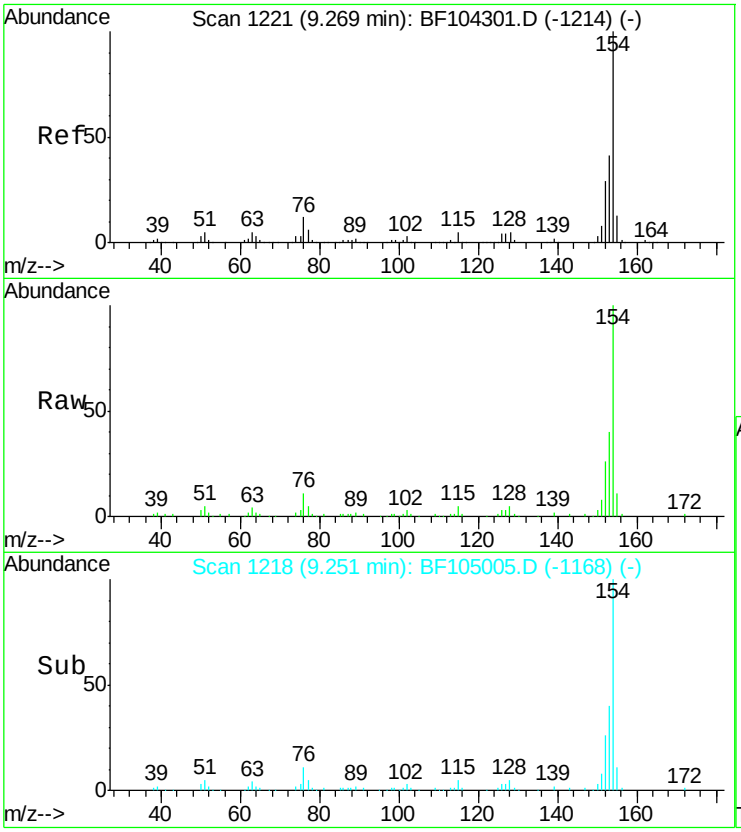


#44
2-Fluorobiphenyl
Concen: 56.149 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:172 Resp: 933310

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.8	19.6	29.4

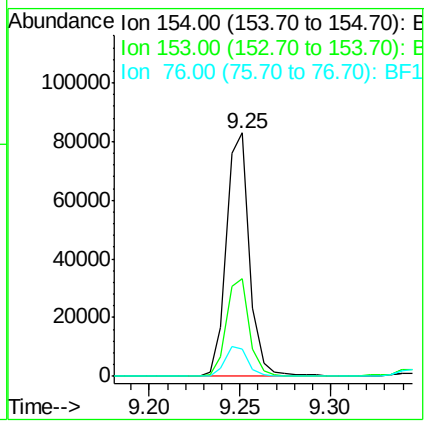




#45
1,1'-Biphenyl
Concen: 3.339 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:154 Resp: 73652

Ion	Ratio	Lower	Upper
154	100		
153	40.2	21.3	61.3
76	11.4	0.0	34.0



Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

Manual Integrations APPROVED
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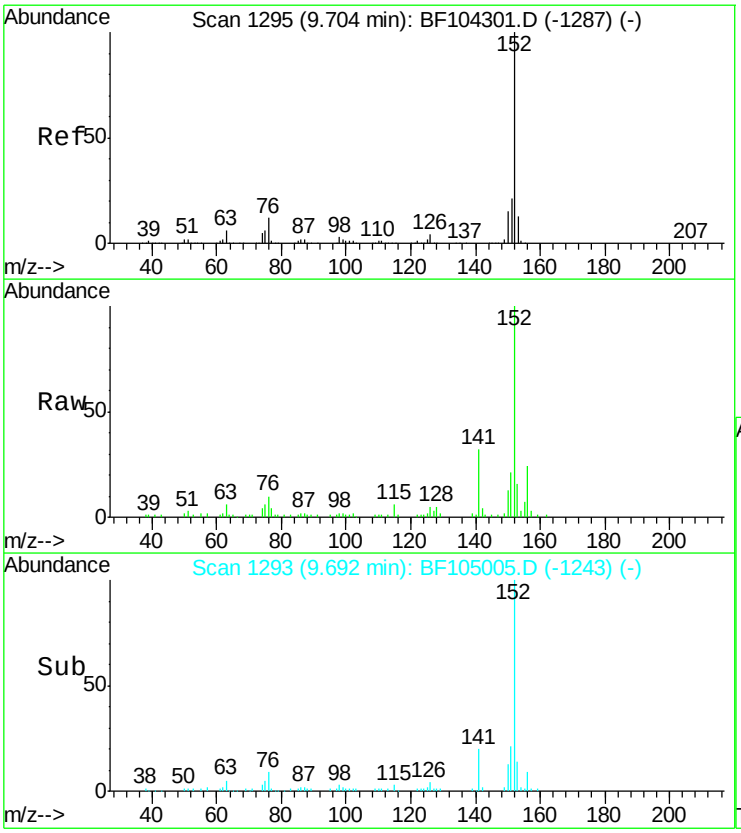
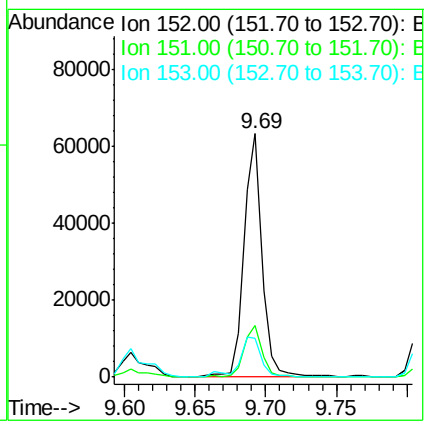
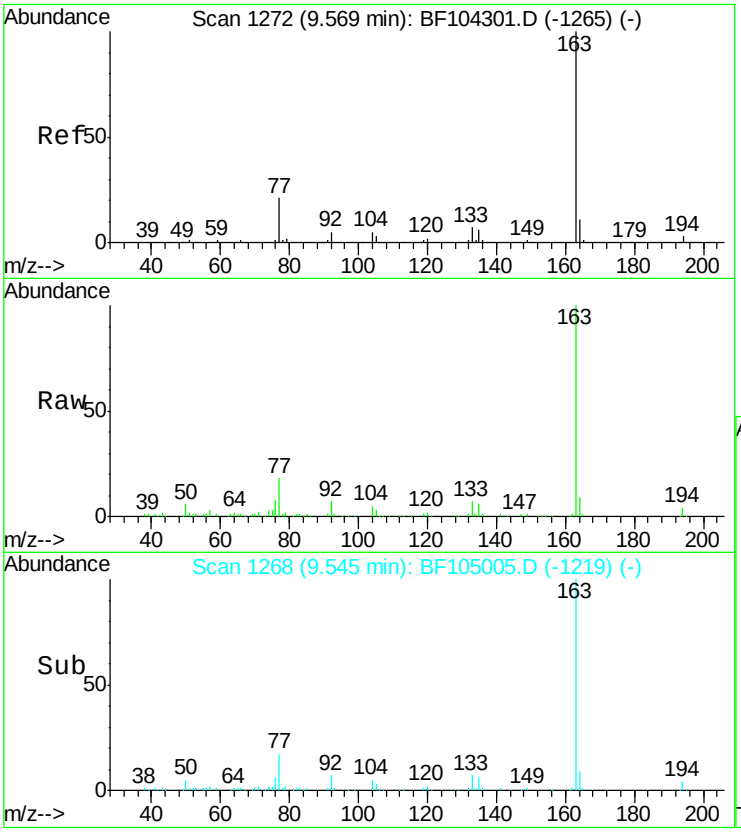


#48
Acenaphthylene
Concen: 2.060 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:152 Resp: 56315

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.3	24.5
153	16.0	10.7	16.1

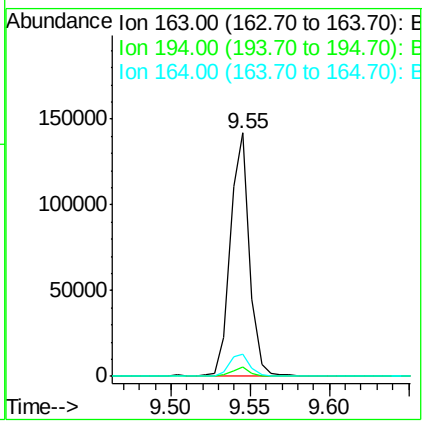




#49
Dimethylphthalate
Concen: 5.724 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:163 Resp: 118537

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.3	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

Manual Integrations APPROVED
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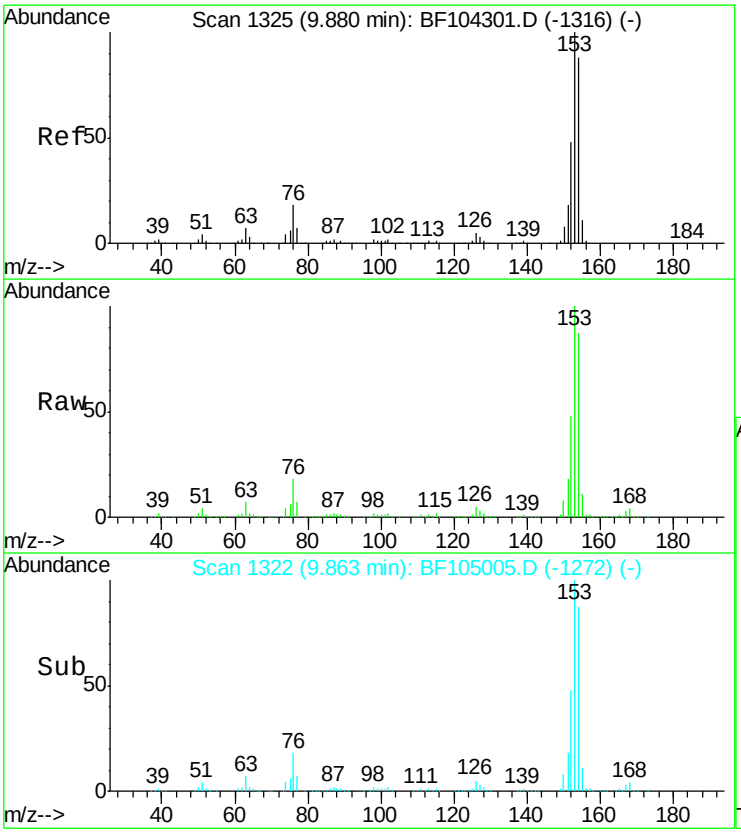
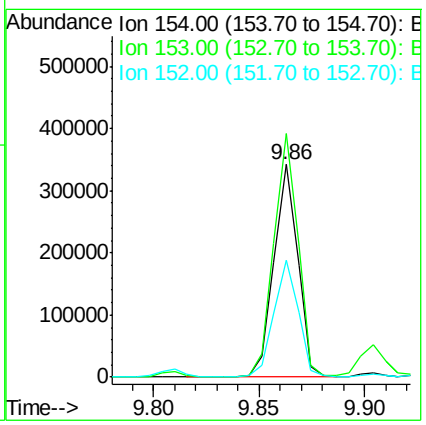
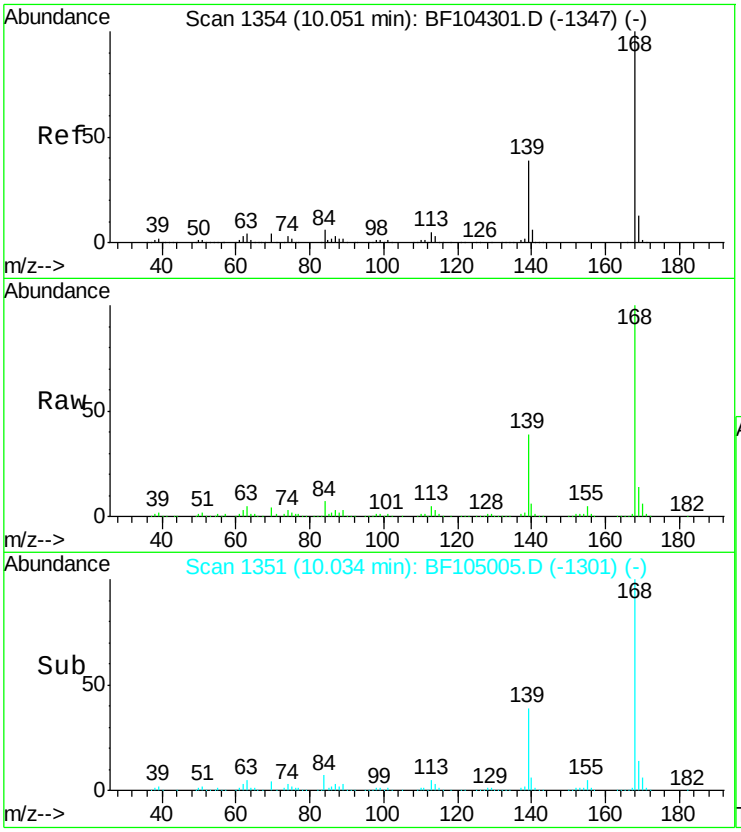


#51
Acenaphthene
Concen: 16.098 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:154 Resp: 268510

Ion	Ratio	Lower	Upper
154	100		
153	114.4	91.2	136.8
152	54.9	43.8	65.8

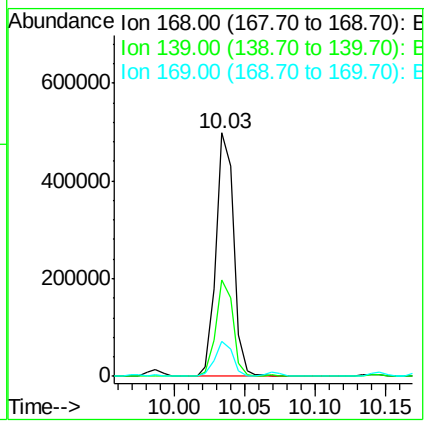




#54
Dibenzofuran
Concen: 18.735 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:168 Resp: 435497

Ion	Ratio	Lower	Upper
168	100		
139	39.4	30.1	45.1
169	14.3	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

Manual Integrations APPROVED
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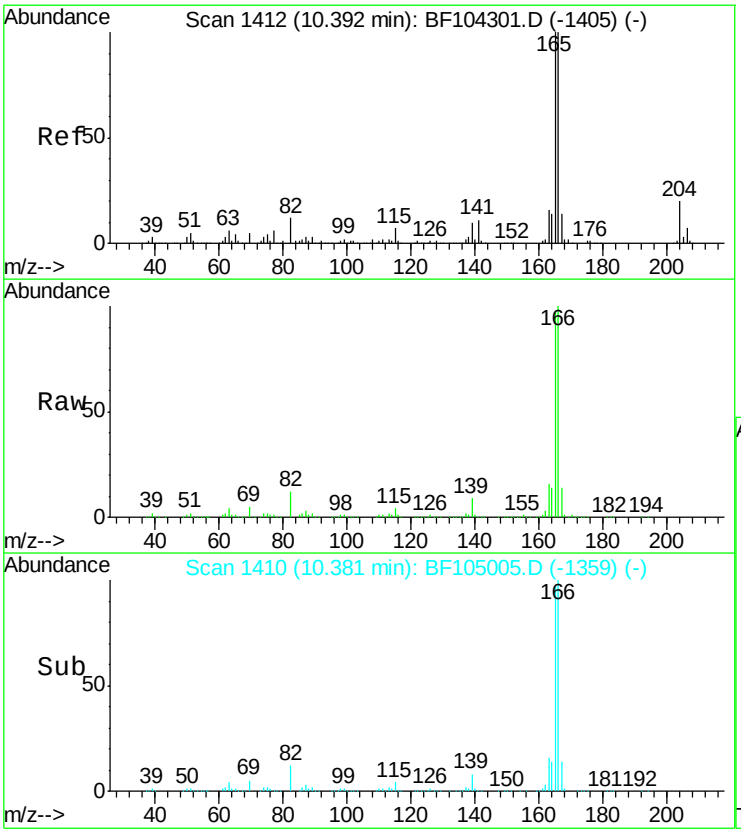
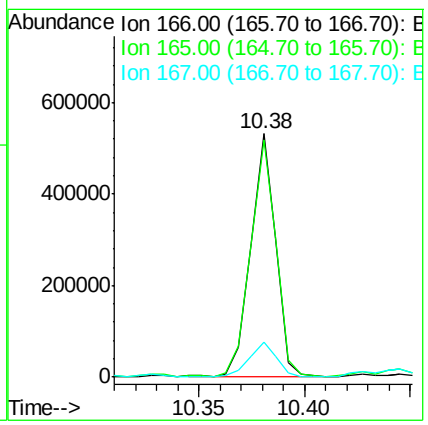
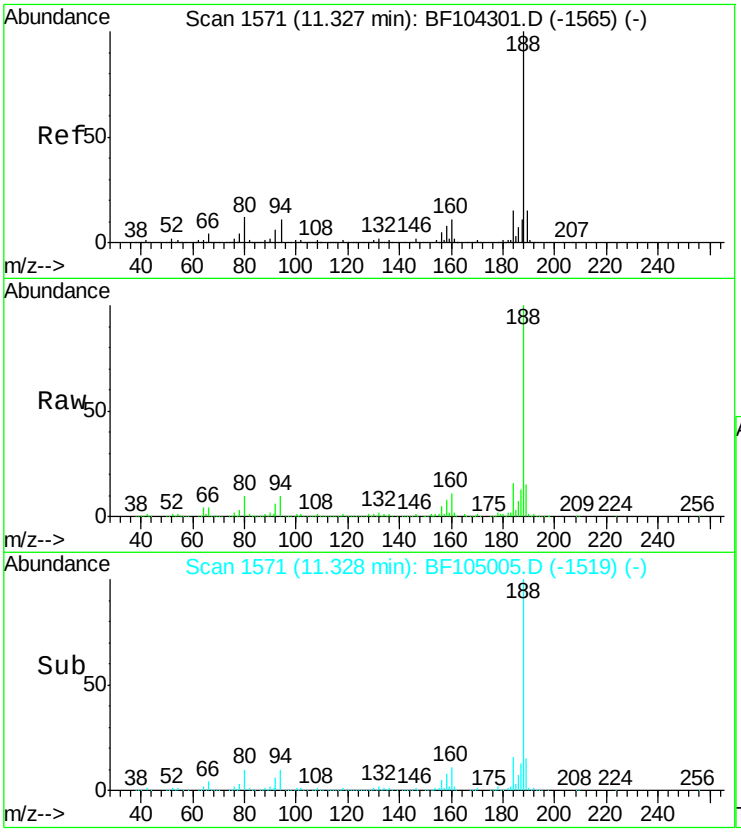


#57
Fluorene
Concen: 25.751 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:166 Resp: 435680

Ion	Ratio	Lower	Upper
166	100		
165	97.2	79.8	119.8
167	14.3	10.6	16.0





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:188 Resp: 434723

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	9.8	9.2	13.8

Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

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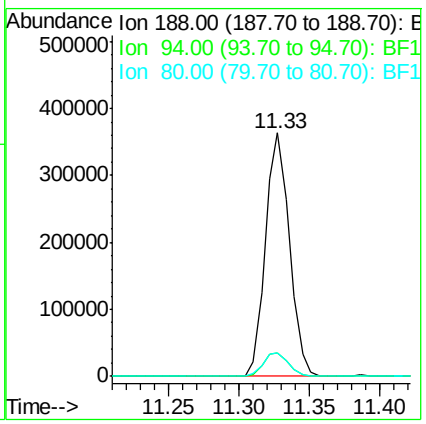
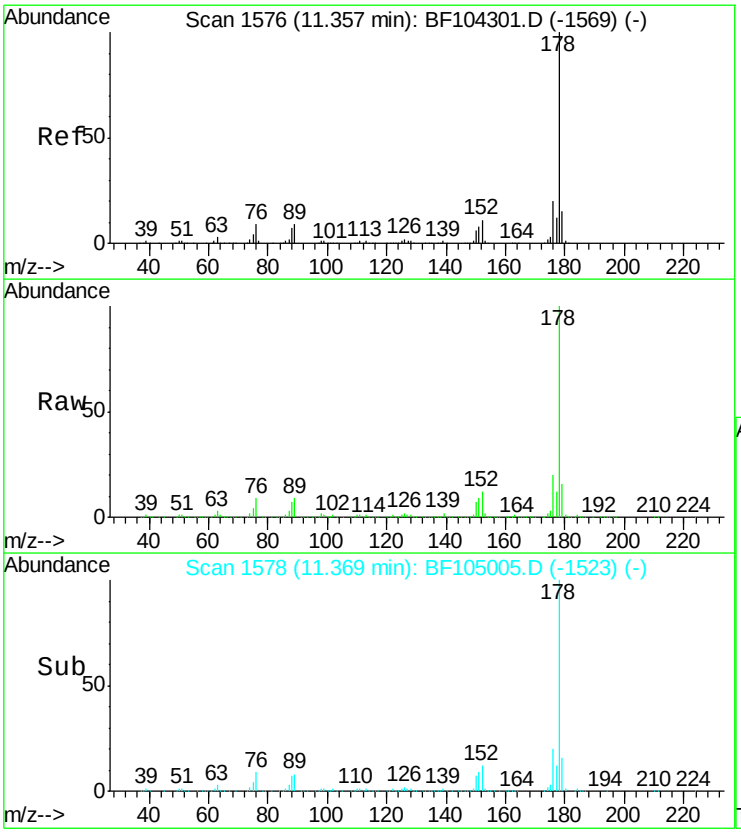
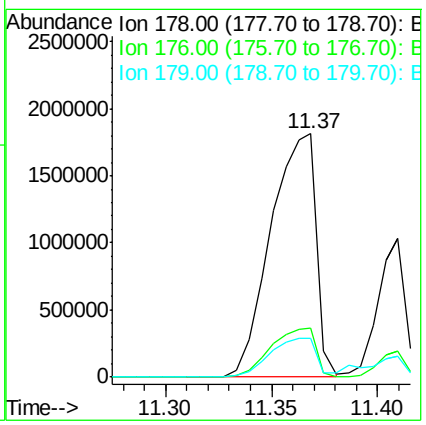


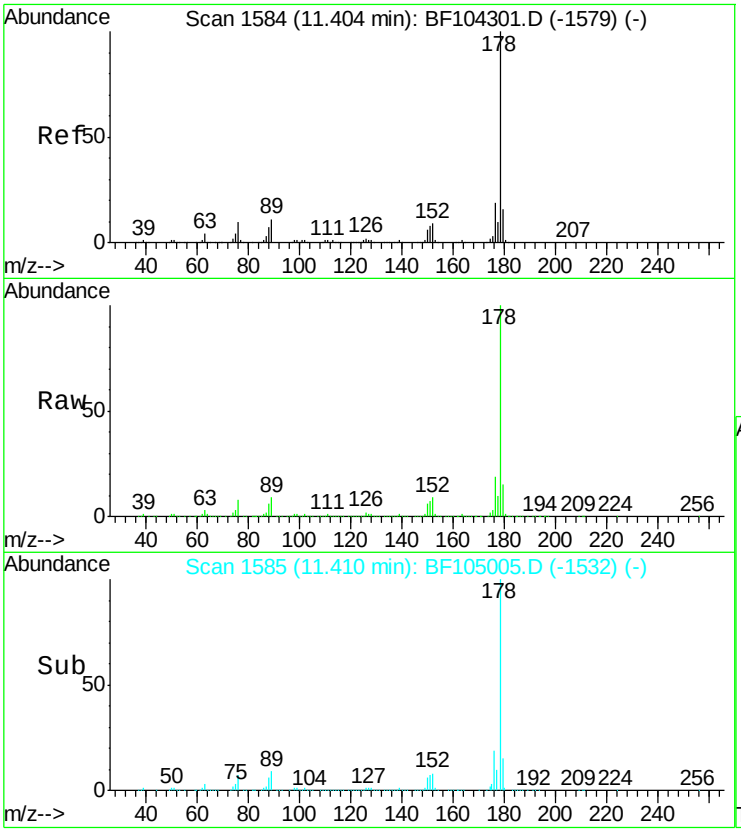


#70
Phenanthrene
Concen: 111.707 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.02 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:178 Resp: 2704359

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	15.8	13.0	19.6

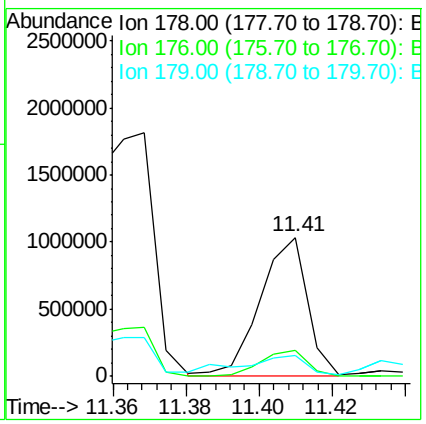




#71
Anthracene
Concen: 37.884 ng m
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:178 Resp: 932290

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.4	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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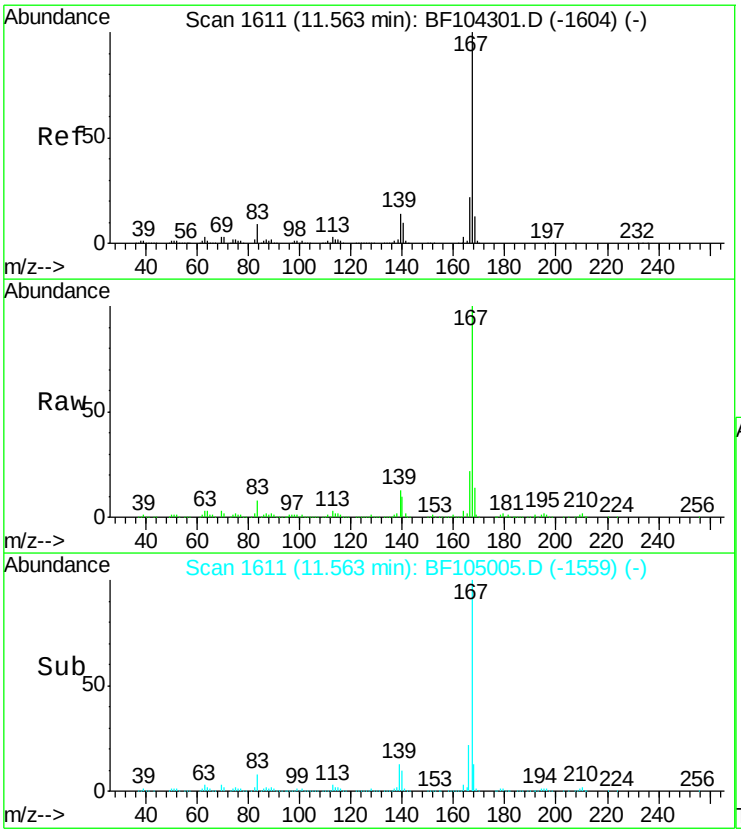
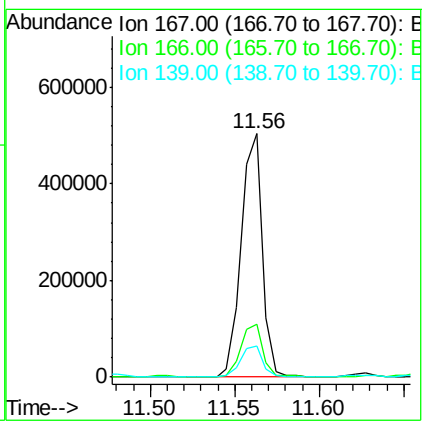
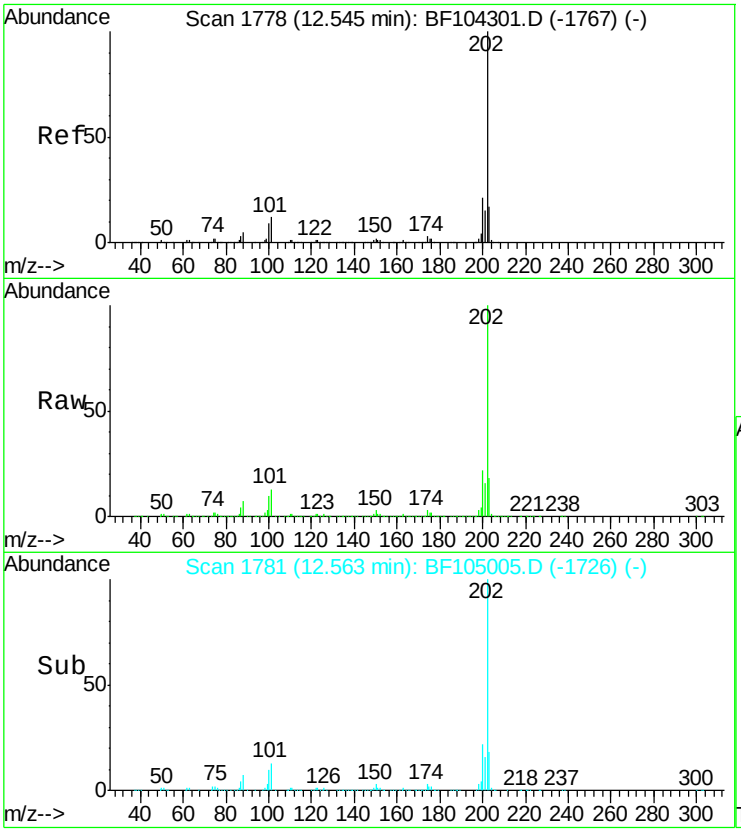


#72
Carbazole
Concen: 18.286 ng
RT: 11.56 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:167 Resp: 439743

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	13.0	10.9	16.3

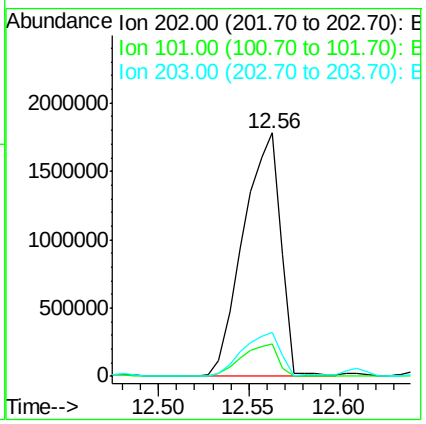




#74
Fluoranthene
Concen: 100.568 ng
RT: 12.56 min Scan# 1781
Delta R.T. 0.02 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:202 Resp: 2543790

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.1
203	18.2	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

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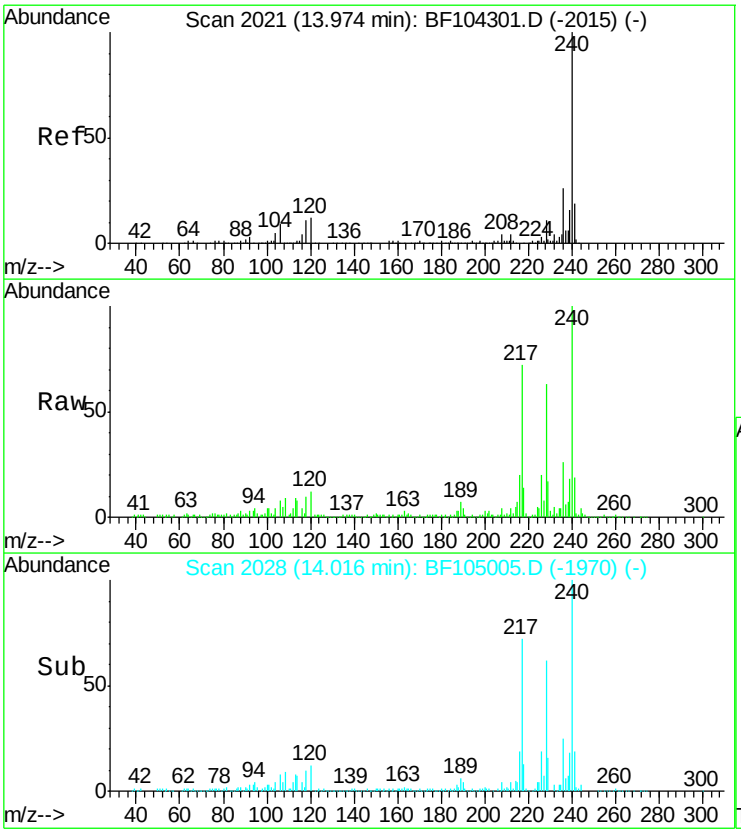
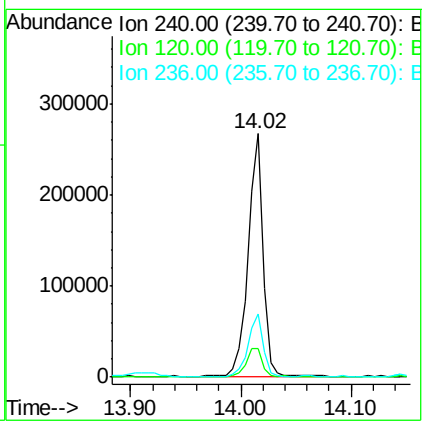
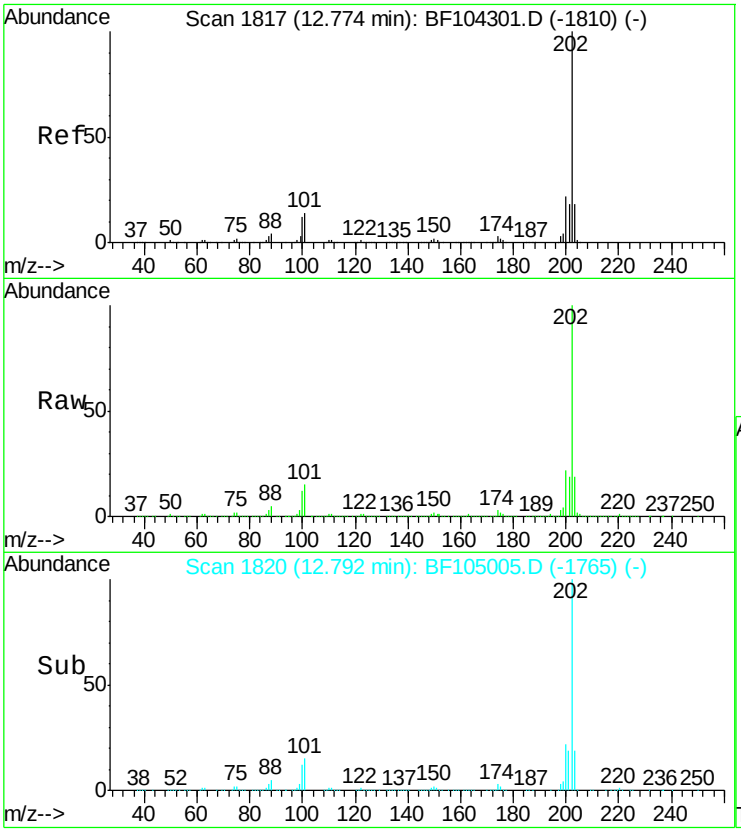


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.04 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:240 Resp: 253614

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.5	14.3
236	26.0	20.7	31.1

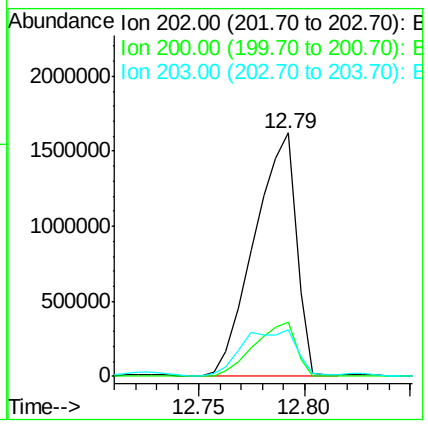




#77
Pyrene
Concen: 118.752 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.02 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:202 Resp: 2232393

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	19.3	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

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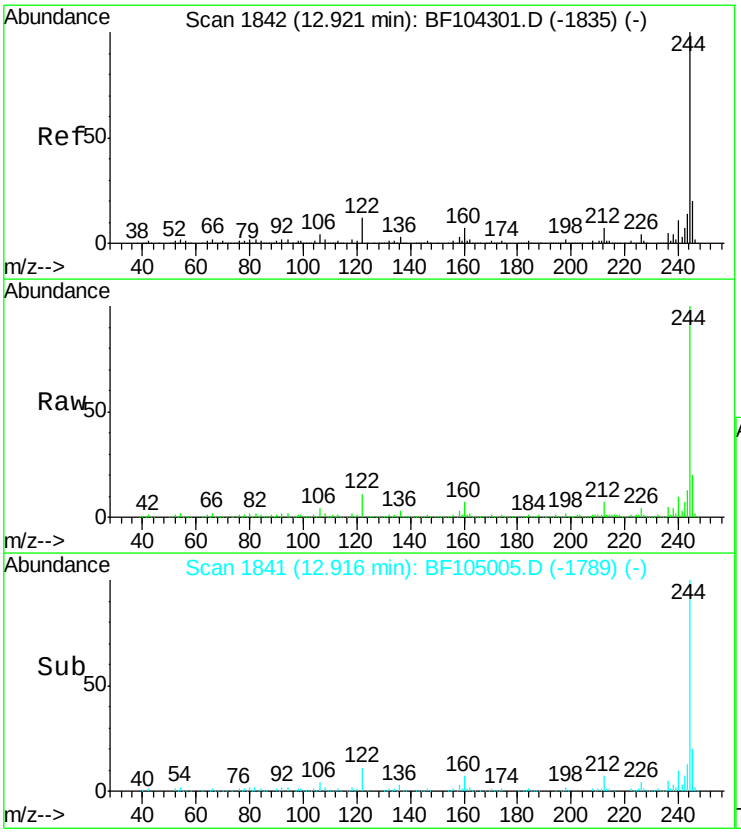
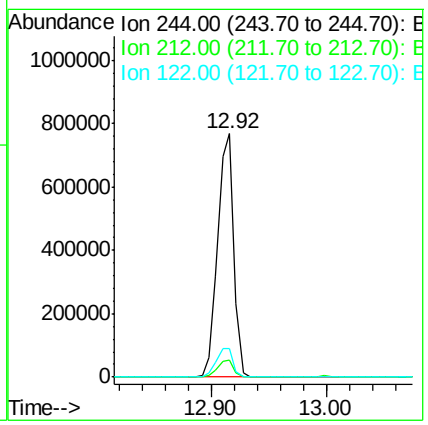
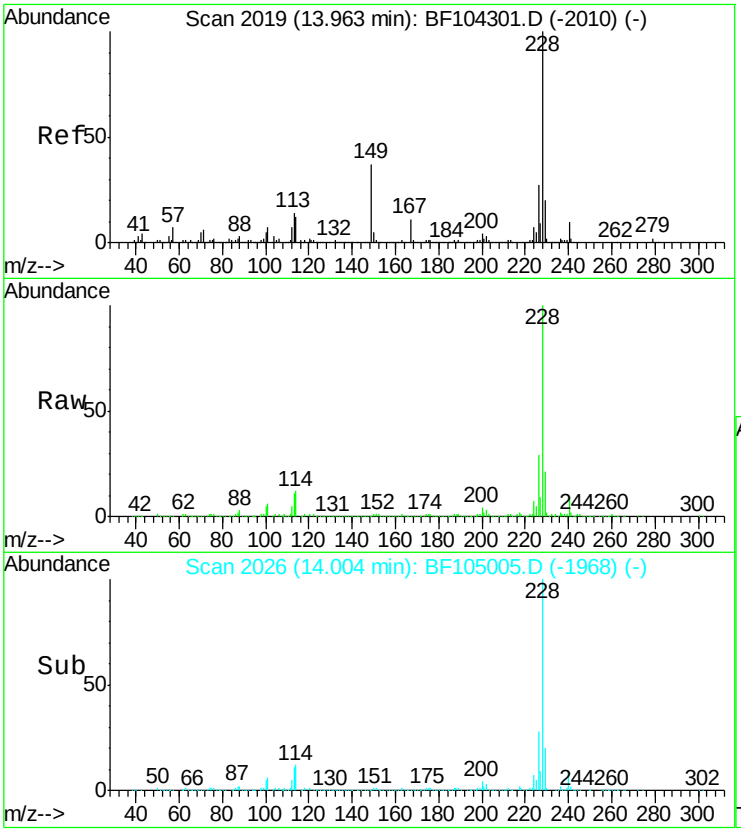


#78
Terphenyl-d14
Concen: 66.545 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.01 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:244 Resp: 740268

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.5	11.0	16.4

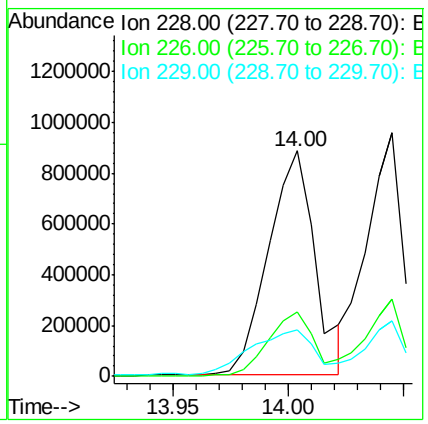




#80
Benzo(a)anthracene
Concen: 82.084 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.04 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:228 Resp: 1243665

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.8	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

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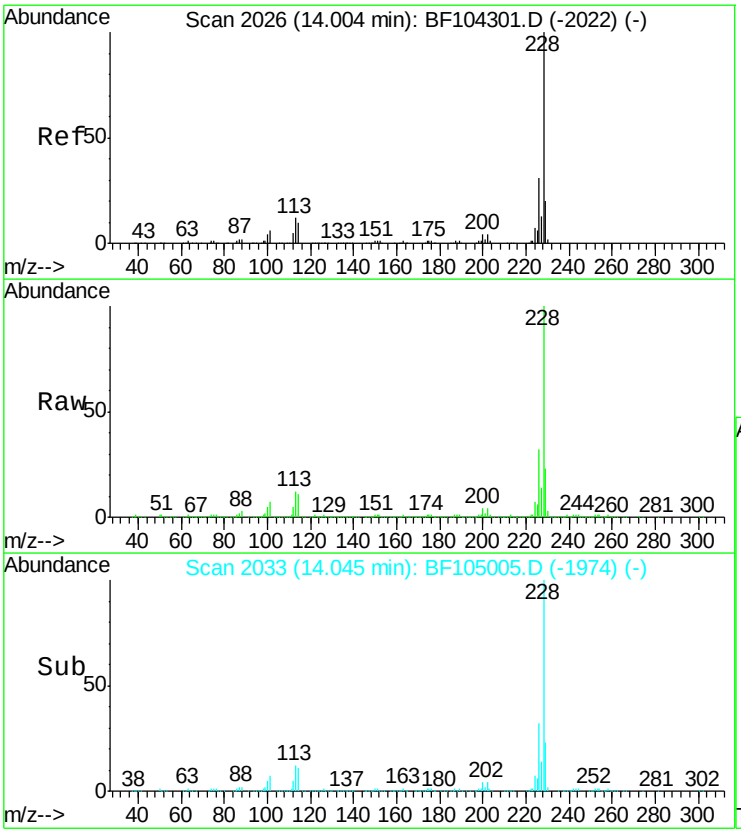
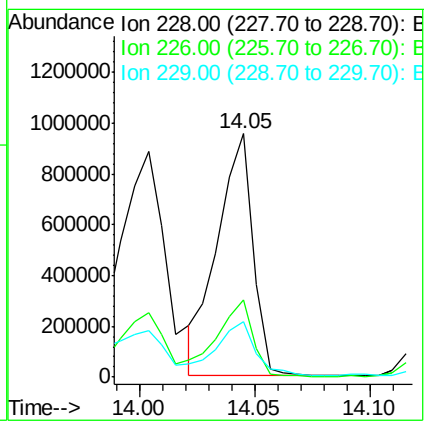
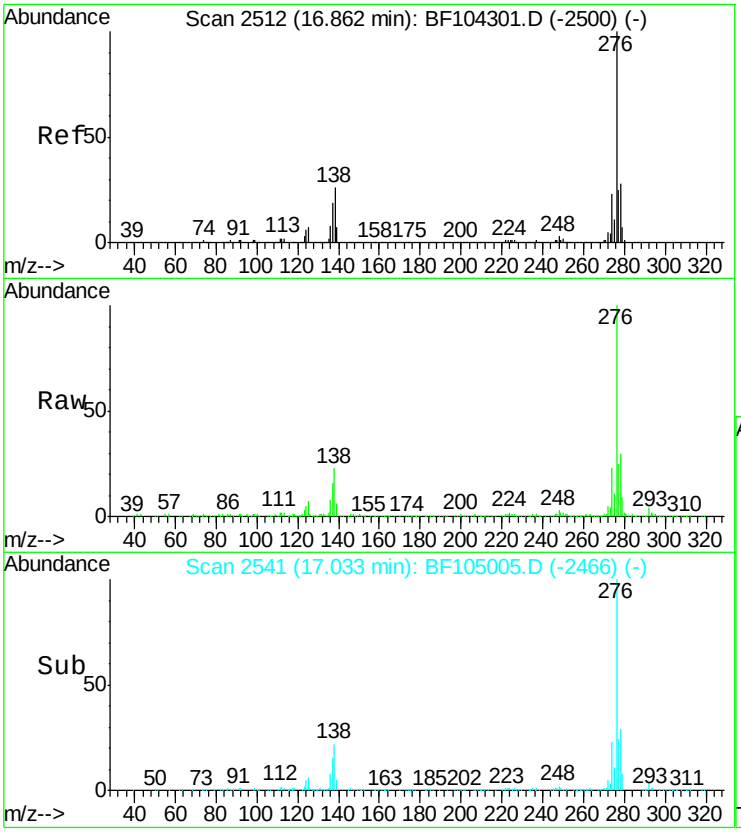


#82
Chrysene
Concen: 65.933 ng
RT: 14.05 min Scan# 2033
Delta R.T. 0.05 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:228 Resp: 1026091

Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	23.0	16.2	24.4

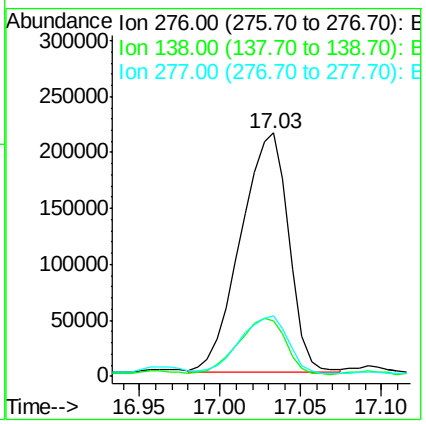




#85
Indeno(1,2,3-cd)pyrene
Concen: 33.636 ng m
RT: 17.03 min Scan# 2541
Delta R.T. 0.14 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:276 Resp: 444679

Ion	Ratio	Lower	Upper
276	100		
138	1.0	25.0	37.6#
277	1.3	20.1	30.1#



Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

Manual Integrations APPROVED
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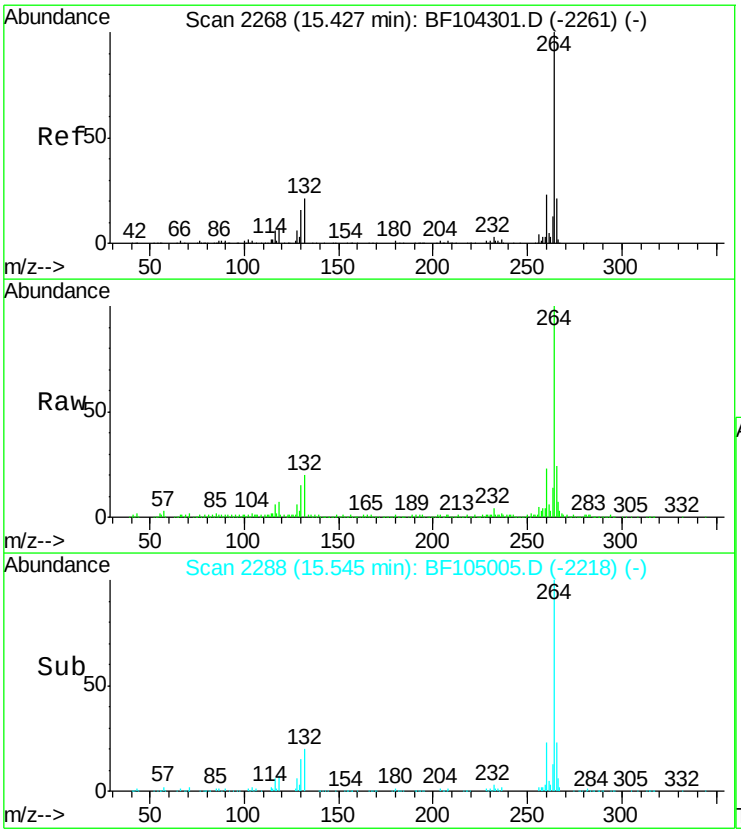
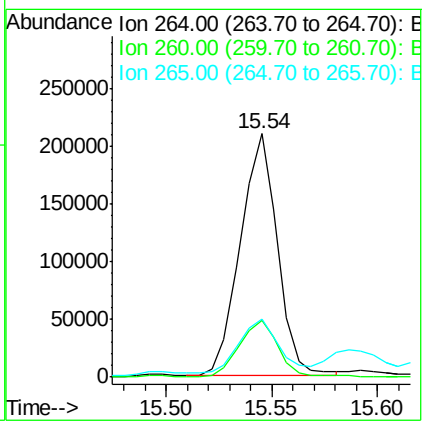
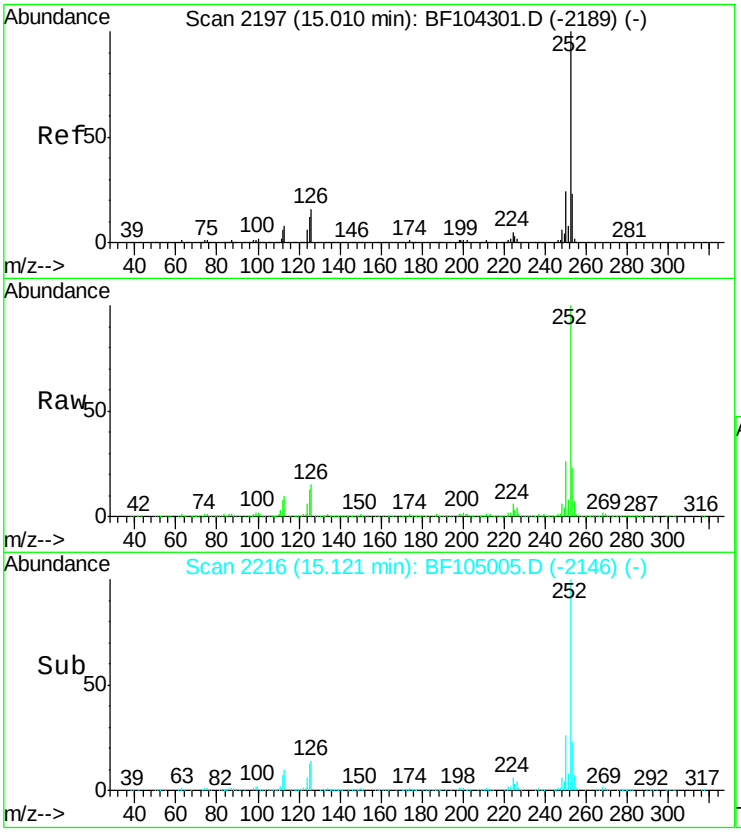


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.11 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:264 Resp: 255590

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.7	17.5	26.3

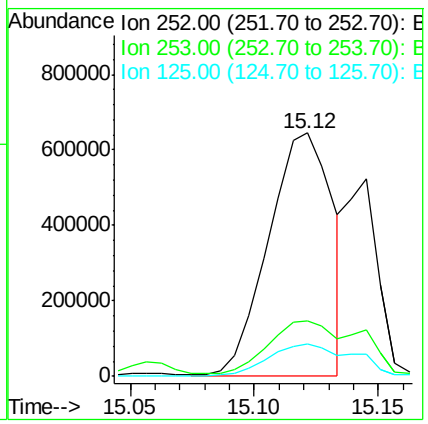




#87
Benzo(b)fluoranthene
Concen: 71.653 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.11 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:252 Resp: 1156660

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	13.1	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

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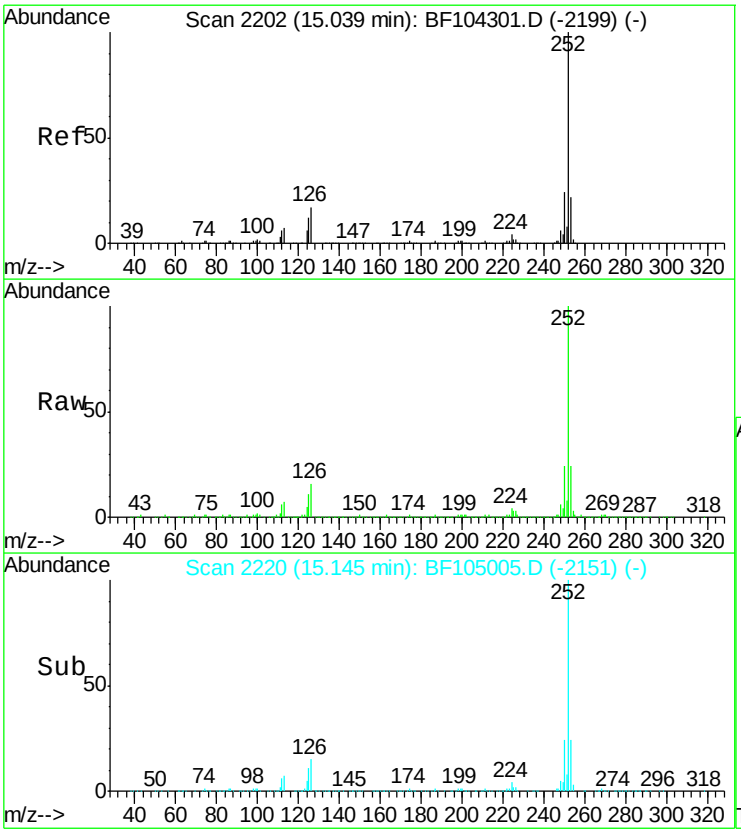
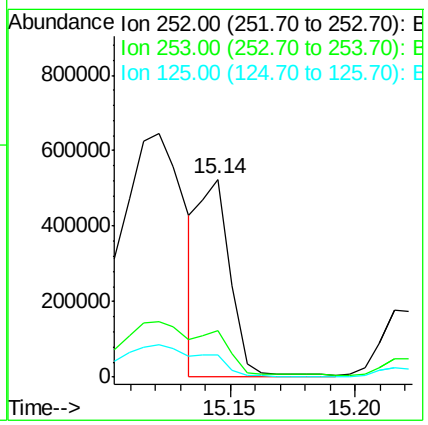
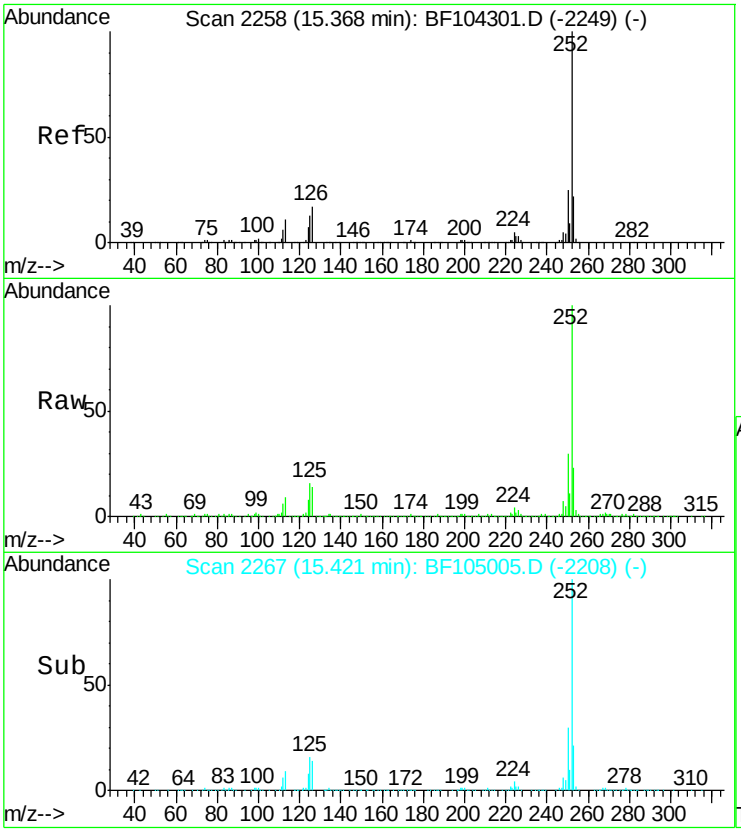


#88
Benzo(k)fluoranthene
Concen: 30.554 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.11 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:252 Resp: 465642

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	11.0	10.2	15.2





#89
Benzo(a)pyrene
Concen: 38.710 ng m
RT: 15.42 min Scan# 2267
Delta R.T. 0.05 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:252 Resp: 559110

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	16.4	9.8	14.6#

Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

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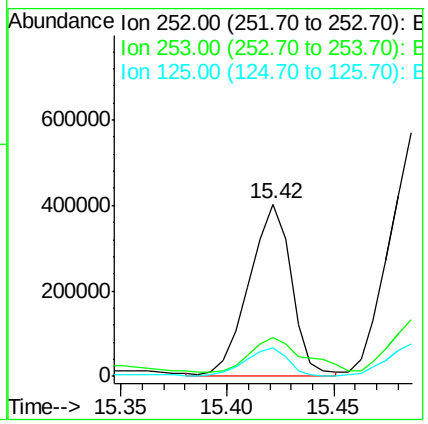
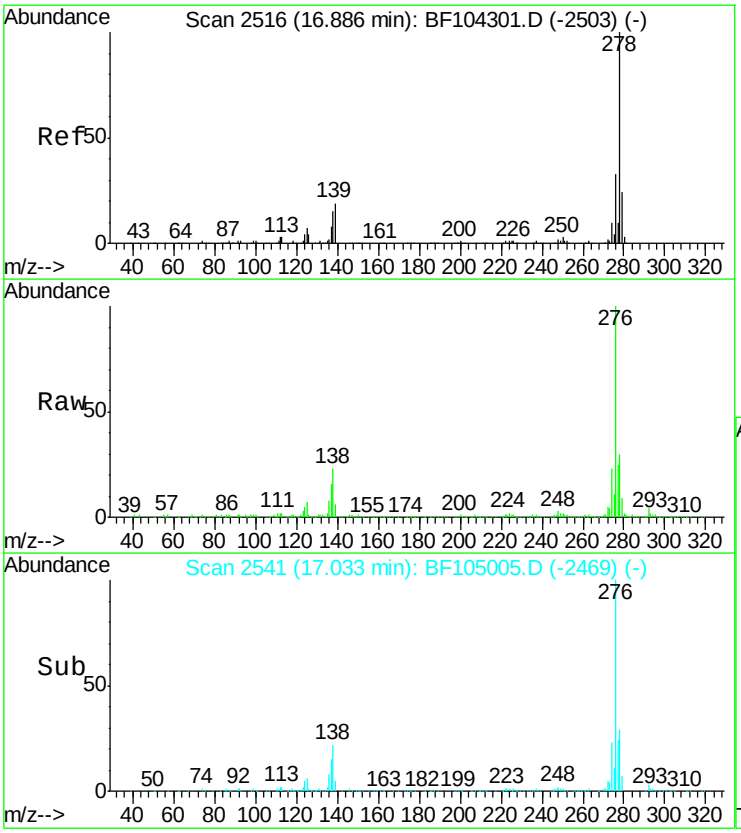
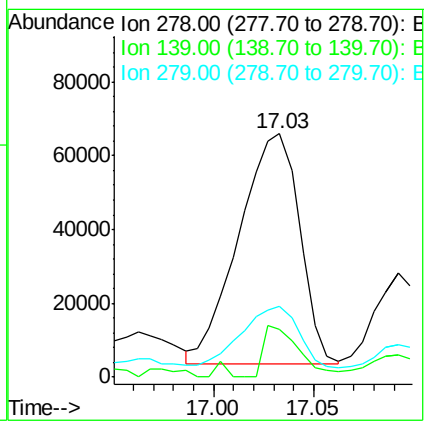


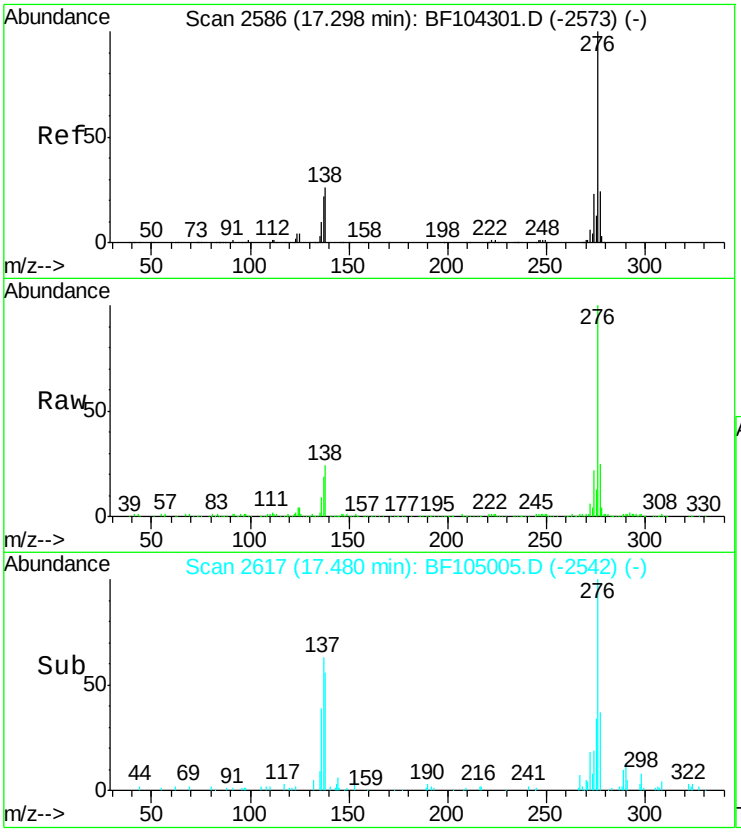


#90
Dibenzo(a,h)anthracene
Concen: 11.087 ng m
RT: 17.03 min Scan# 2541
Delta R.T. 0.12 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:278 Resp: 131524

Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.9	23.9
279	28.9	19.0	28.4#

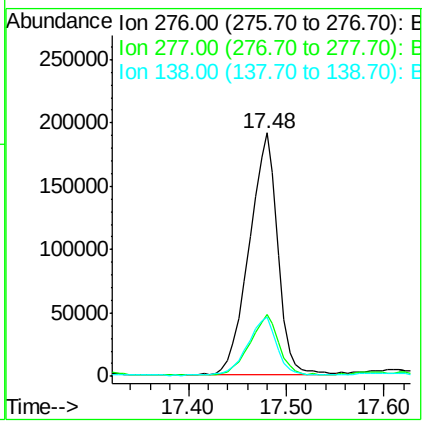




#91
Benzo(g,h,i)perylene
Concen: 34.217 ng
RT: 17.48 min Scan# 2617
Delta R.T. 0.14 min
Lab File: BF105005.D
Acq: 2 May 2018 2:26

Tgt Ion:276 Resp: 393247

Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	24.1	21.8	32.8



Instrument :
BNA_F
ClientSampleId :
T-14_1.5-2.0

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