

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
 Data File : BF103843.D
 Acq On : 22 Mar 2018 11:02
 Operator : JU/SJ
 Sample : J1946-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-104(4-5)

Manual Integrations
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Sohil
 3/23/2018 2:46:19 PM

Quant Time: Mar 22 12:10:10 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 22 11:56:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	140410	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	578434	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	276283	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	515940	20.00	ng	0.00
75) Chrysene-d12	14.16	240	404238	20.00	ng	0.00
86) Perylene-d12	15.69	264	312076	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1067581	115.65	ng	0.00
7) Phenol-d6	6.59	99	1306482	115.68	ng	0.00
23) Nitrobenzene-d5	7.53	82	791343	95.40	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	344928	145.20	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1290245	74.49	ng	0.00
78) Terphenyl-d14	13.10	244	1311382	75.30	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	105550	8.795	ng	95
31) Naphthalene	8.27	128	1036681	35.479	ng	99
37) 2-Methylnaphthalene	8.96	142	359985	19.427	ng	99
45) 1,1'-Biphenyl	9.43	154	77853	3.379	ng	96
48) Acenaphthylene	9.87	152	143249	5.048	ng	97
49) Dimethylphthalate	9.72	163	164834	7.820	ng	99
51) Acenaphthene	10.05	154	94582	5.614	ng	97
57) Fluorene	10.56	166	151716	8.125	ng	99
70) Phenanthrene	11.53	178	654606	23.194	ng	98
71) Anthracene	11.58	178	177563	6.194	ng	99
74) Fluoranthene	12.72	202	362325	12.461	ng	99
77) Pyrene	12.96	202	510902	17.210	ng	99
80) Benzo(a)anthracene	14.14	228	183334m	7.165	ng	
82) Chrysene	14.18	228	172421	7.069	ng	96
85) Indeno(1,2,3-cd)pyrene	17.25	276	46312	2.174	ng	95
87) Benzo(b)fluoranthene	15.23	252	101835m	5.165	ng	
89) Benzo(a)pyrene	15.62	252	102991	5.759	ng	96
91) Benzo(g,h,i)perylene	17.74	276	54930	3.646	ng	97

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

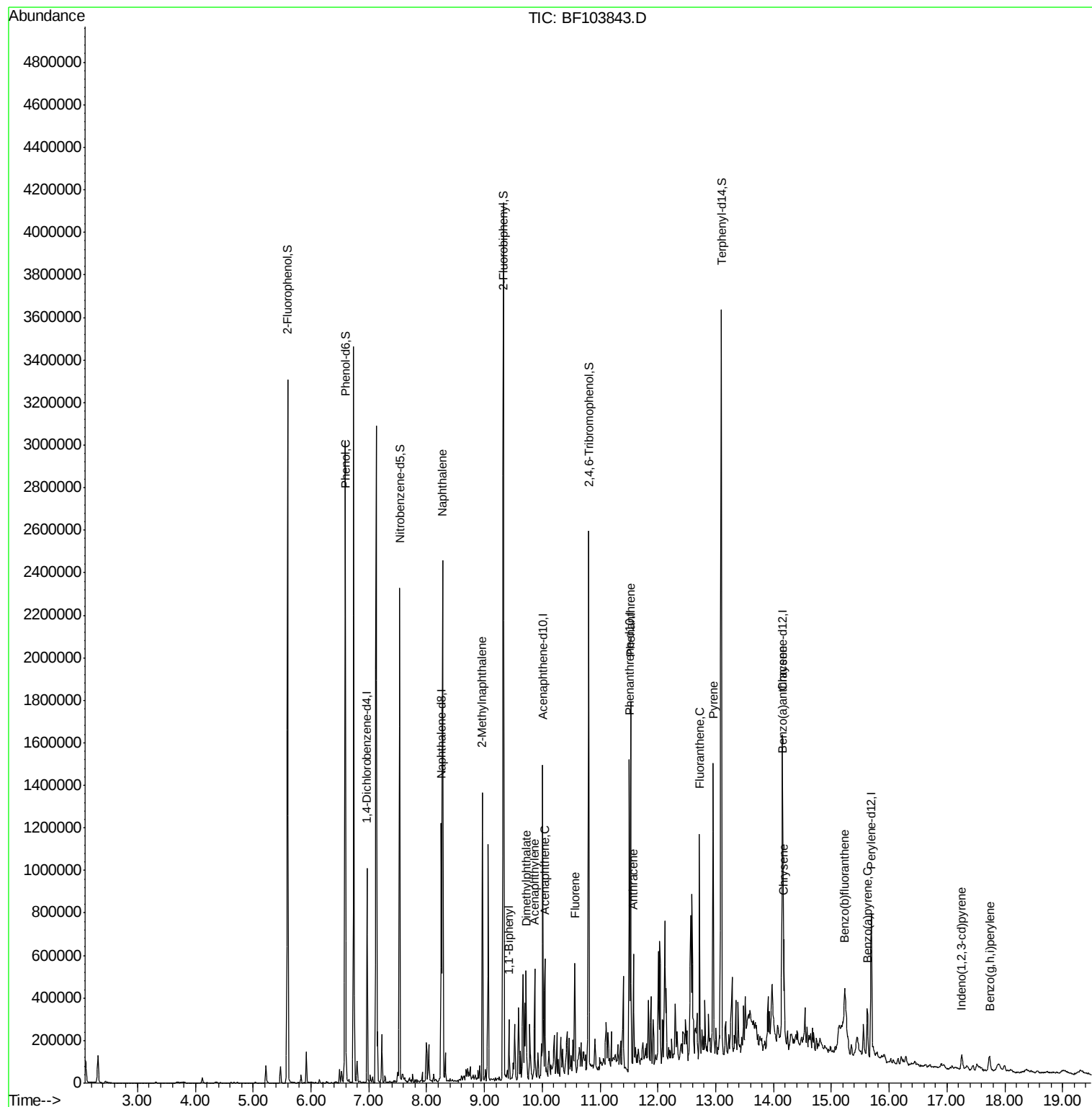
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103843.D
Acq On : 22 Mar 2018 11:02
Operator : JU/SJ
Sample : J1946-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

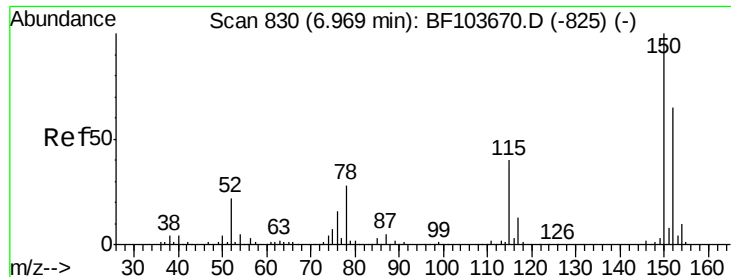
Instrument :
BNA_F
ClientSampleId :
MW-104(4-5)

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Quant Time: Mar 22 12:10:10 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

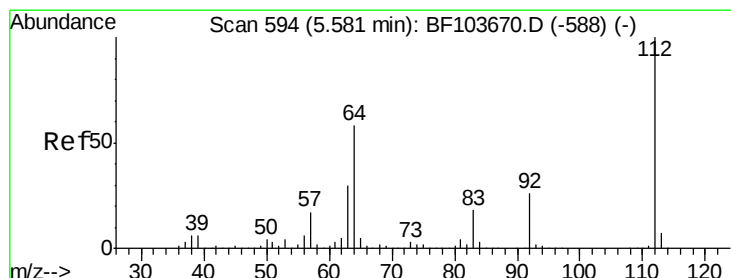
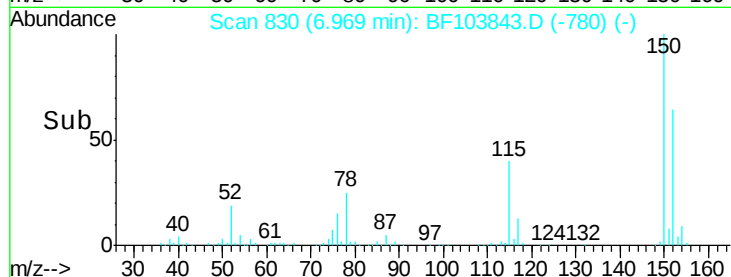
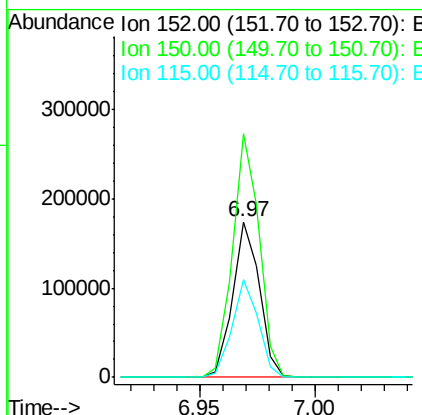
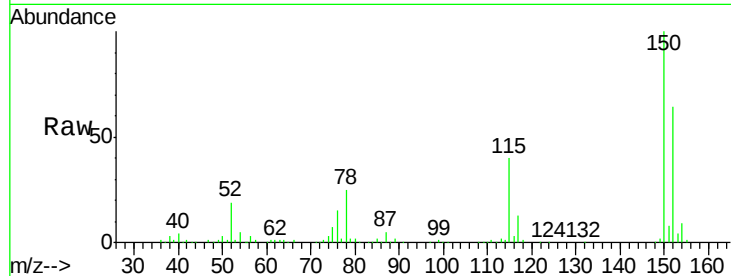
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103843.D
Acq: 22 Mar 2018 11:02

Instrument :
BNA_F
ClientSampleId :
MW-104(4-5)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	62.8	50.1	75.1

Manual Integrations
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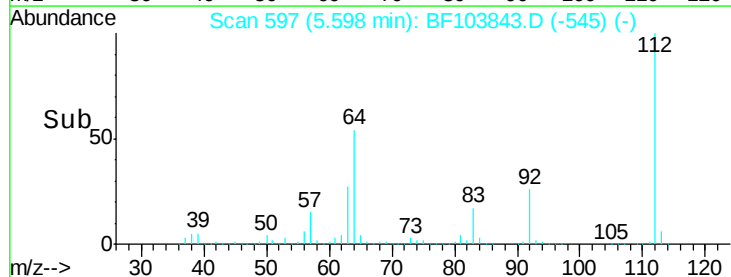
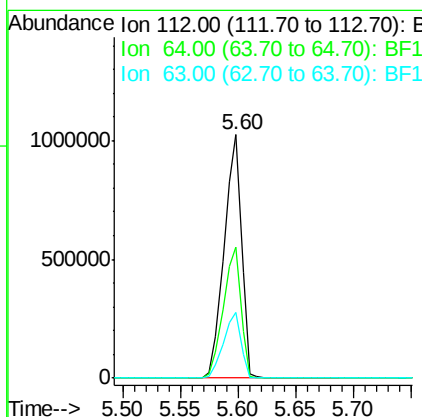
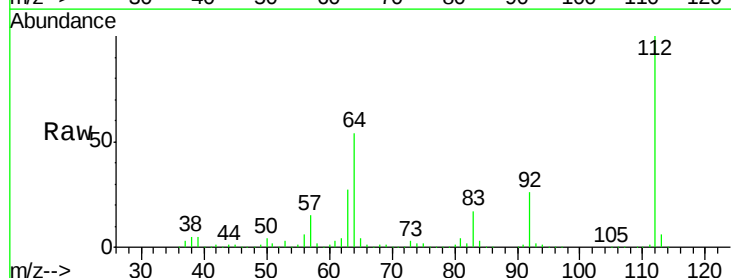
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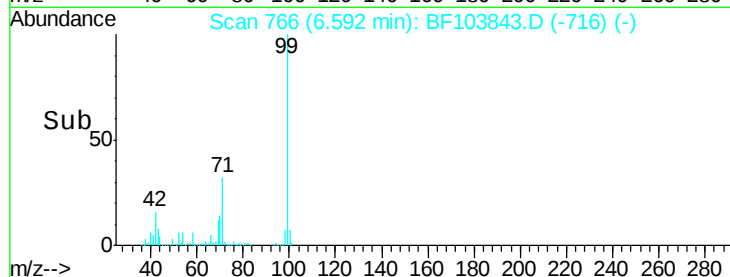
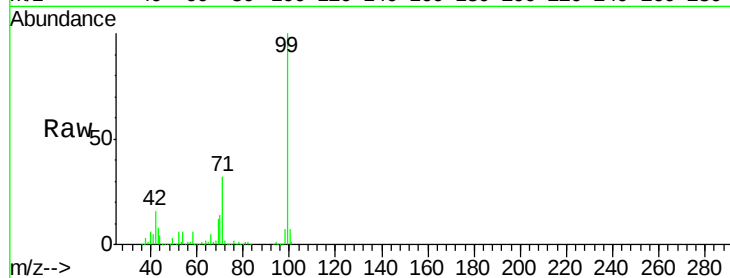
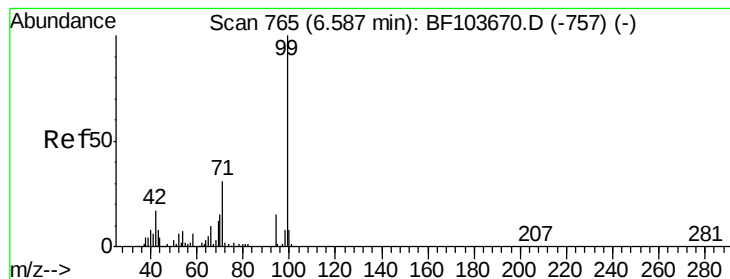


#5

2-Fluorophenol
Concen: 115.646 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF103843.D
Acq: 22 Mar 2018 11:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	47.9	71.9
63	27.2	23.7	35.5





#7

Phenol-d6

Concen: 115.679 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF103843.D

Acq: 22 Mar 2018 11:02

Tgt Ion:	99	Resp:	1306482
Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.5	21.7
71	32.3	25.4	38.0

Instrument :

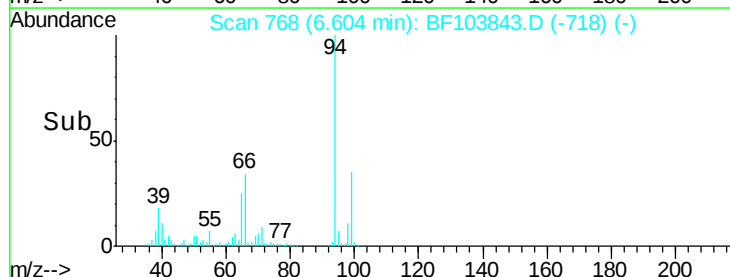
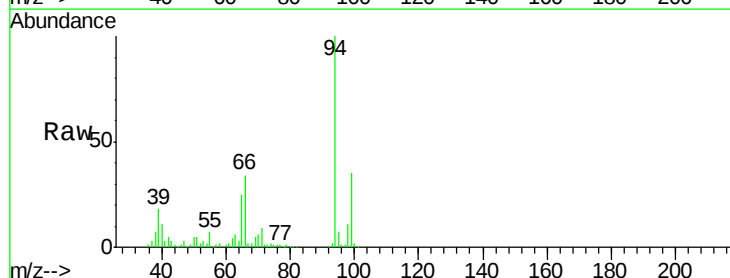
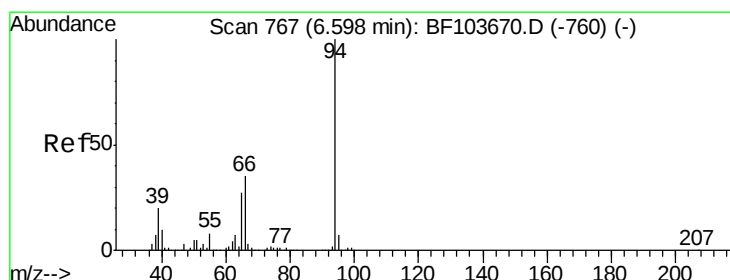
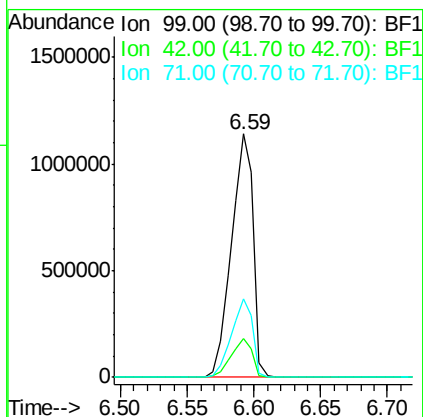
BNA_F

ClientSampleId :

MW-104(4-5)

Manual Integrations
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#10

Phenol

Concen: 8.795 ng

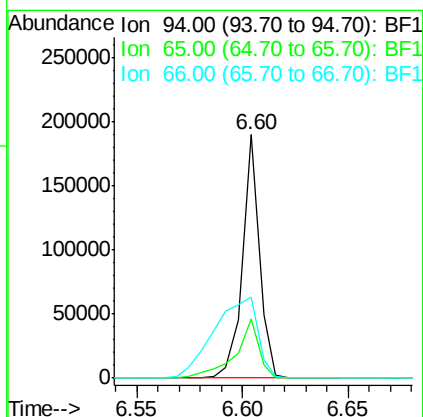
RT: 6.60 min Scan# 768

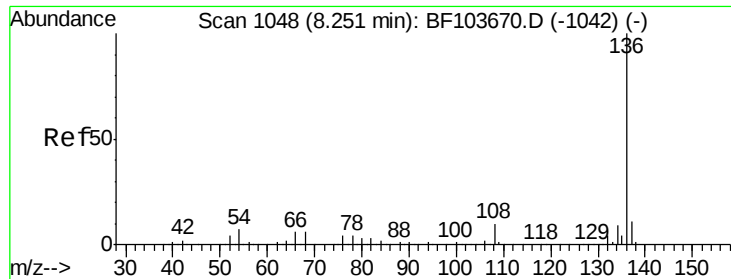
Delta R.T. -0.01 min

Lab File: BF103843.D

Acq: 22 Mar 2018 11:02

Tgt Ion:	94	Resp:	105550
Ion	Ratio	Lower	Upper
94	100		
65	24.6	7.9	47.9
66	33.5	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF103843.D

Acq: 22 Mar 2018 11:02

Instrument :

BNA_F

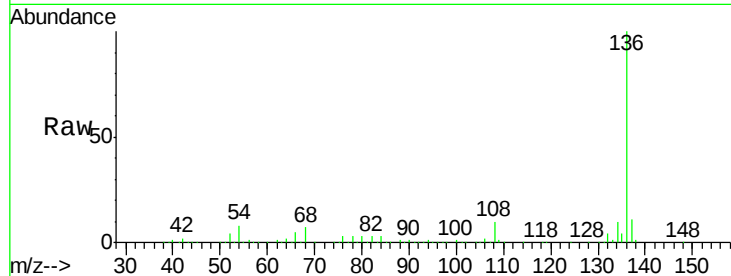
ClientSampleId :

MW-104(4-5)

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	578434		
137	11.1	8.9	13.3	
54	7.7	6.6	9.8	
68	6.5	5.0	7.4	

Manual Integrations
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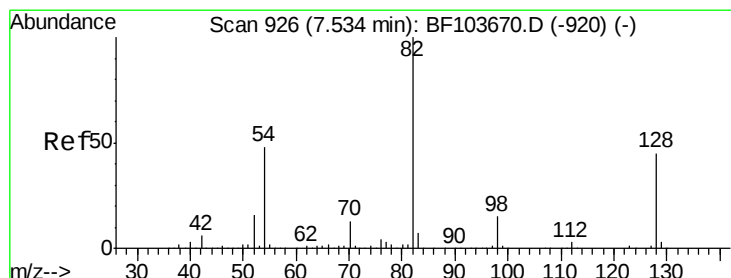
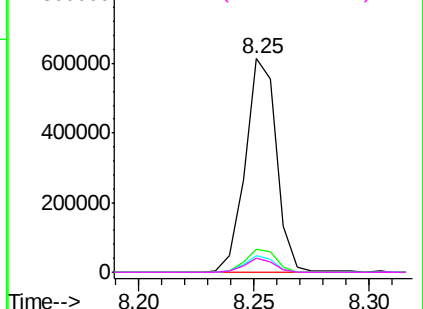
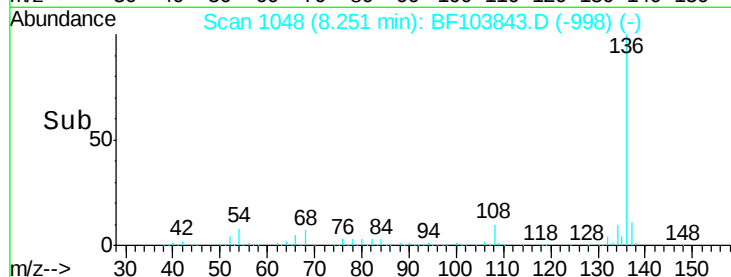


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 95.404 ng

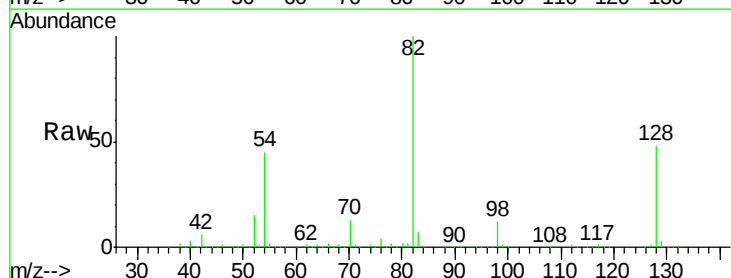
RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF103843.D

Acq: 22 Mar 2018 11:02

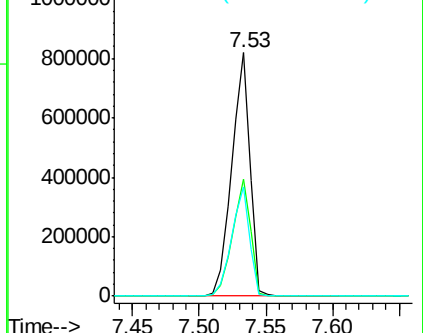
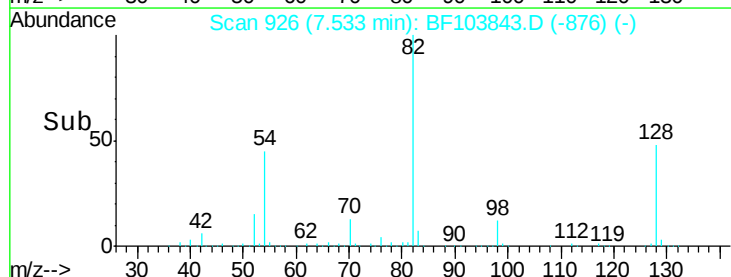
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	791343		
128	48.0	36.1	54.1	
54	44.8	41.4	62.2	

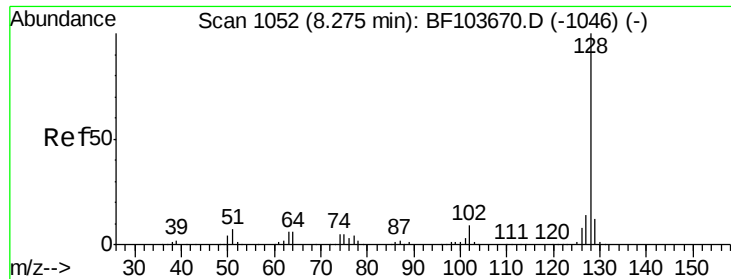


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





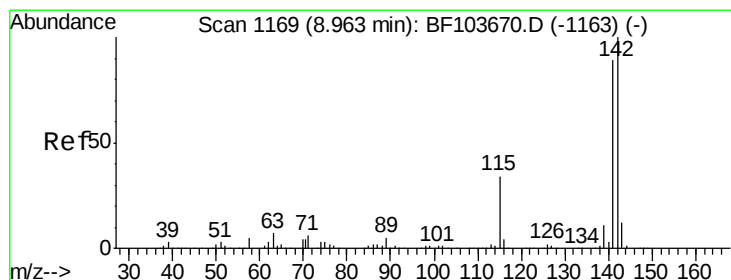
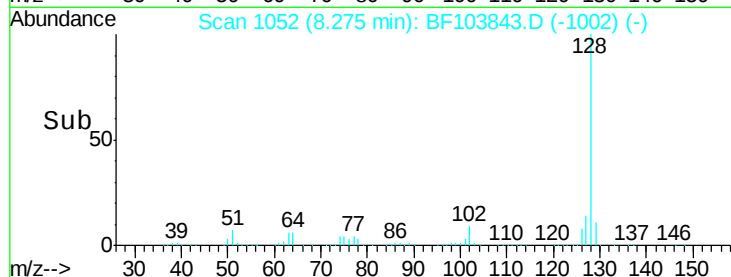
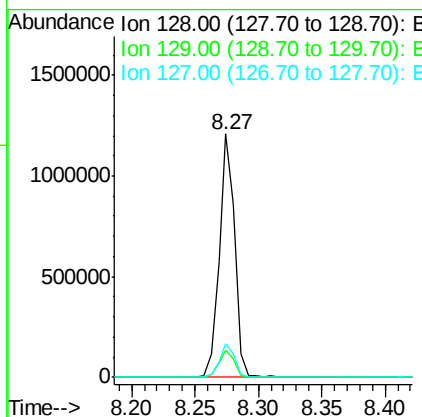
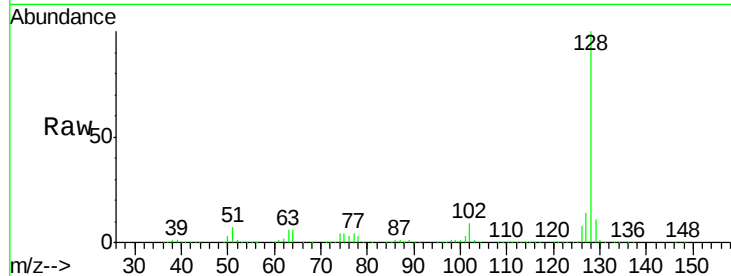
#31
Naphthalene
Concen: 35.479 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF103843.D
Acq: 22 Mar 2018 11:02

Instrument :
BNA_F
ClientSampleId :
MW-104(4-5)

Tgt Ion:128 Resp: 1036681
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.6 10.9 16.3

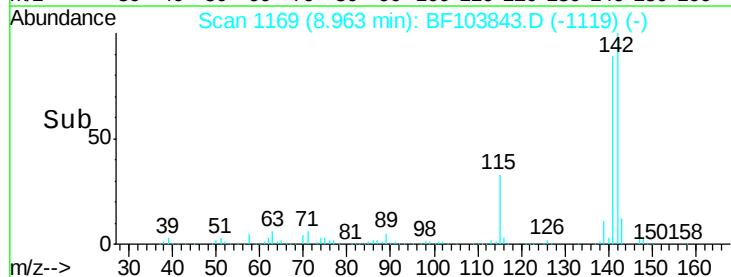
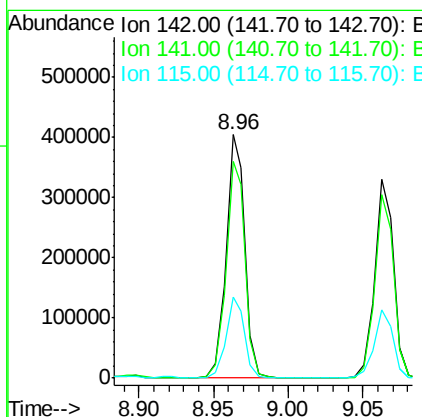
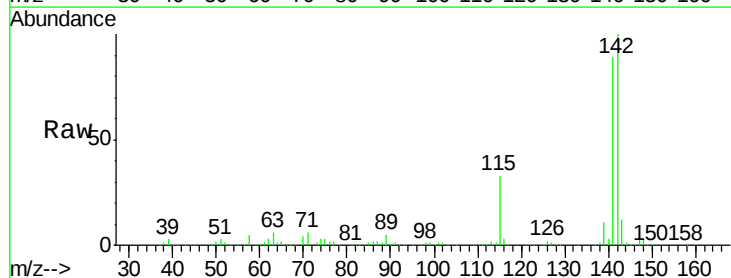
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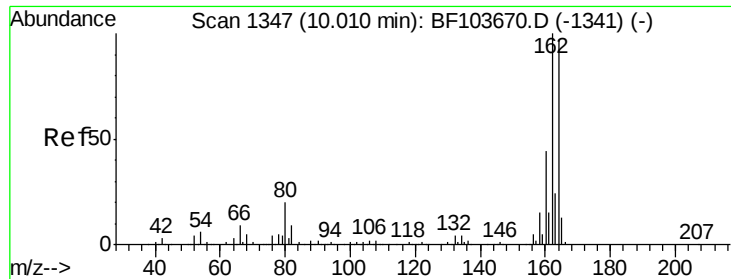
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#37
2-Methylnaphthalene
Concen: 19.427 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF103843.D
Acq: 22 Mar 2018 11:02

Tgt Ion:142 Resp: 359985
Ion Ratio Lower Upper
142 100
141 89.2 70.8 106.2
115 33.3 26.1 39.1





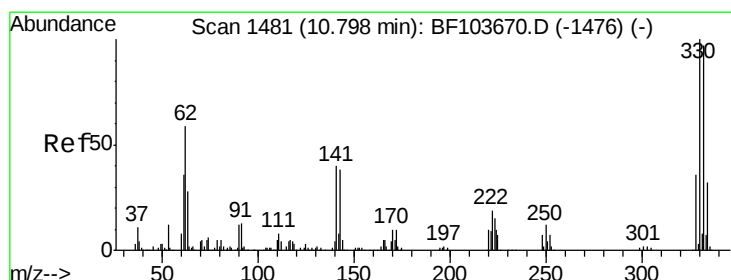
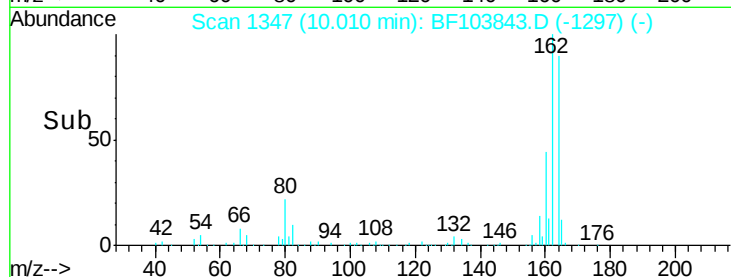
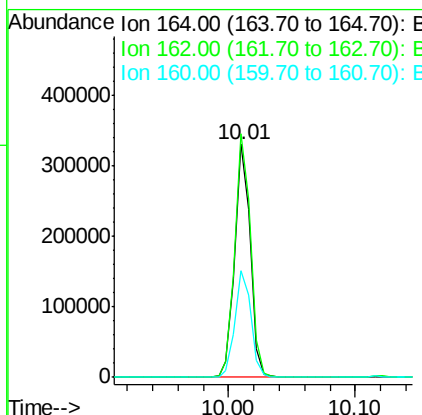
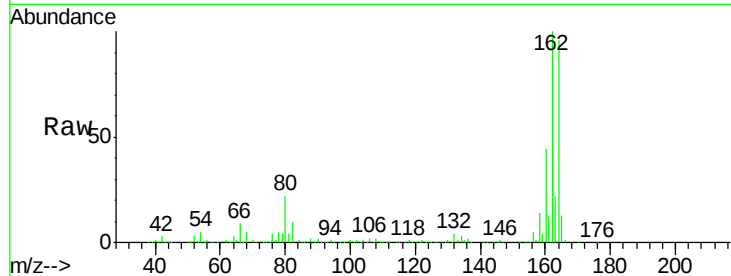
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF103843.D
Acq: 22 Mar 2018 11:02

Instrument :
BNA_F
ClientSampleId :
MW-104(4-5)

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	276283		
162	104.5	86.1	129.1	
160	45.9	38.3	57.5	

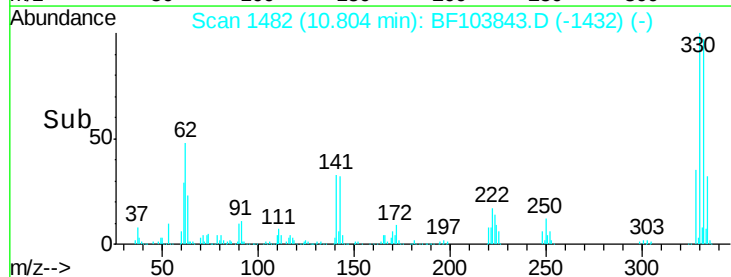
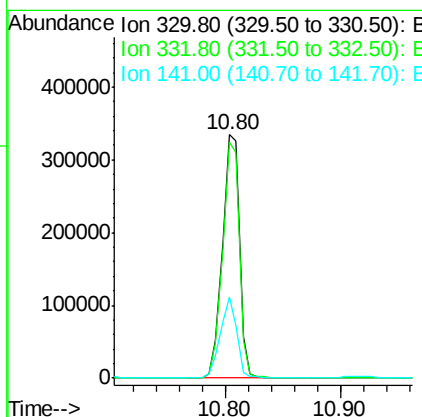
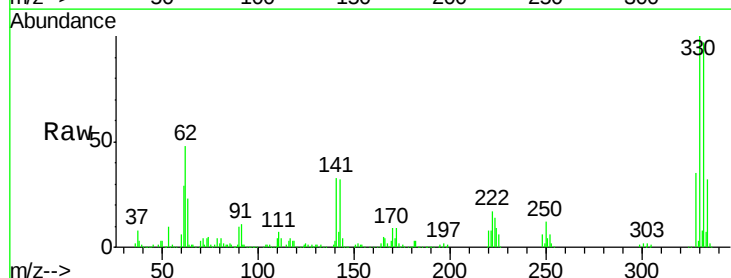
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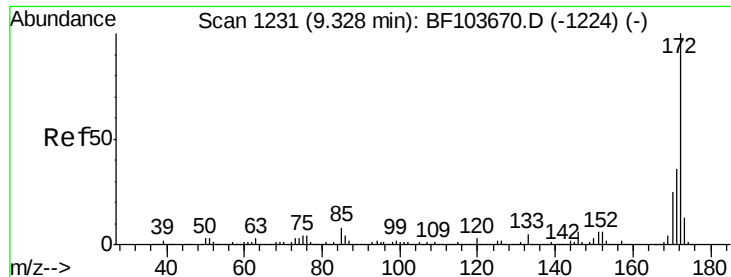
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#41
2,4,6-Tribromophenol
Concen: 145.202 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF103843.D
Acq: 22 Mar 2018 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	344928		
332	95.6	77.0	115.6	
141	31.4	29.9	44.9	





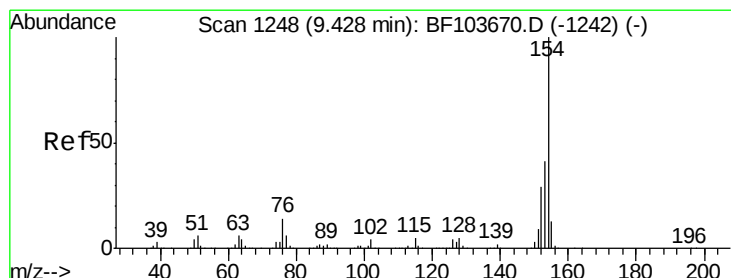
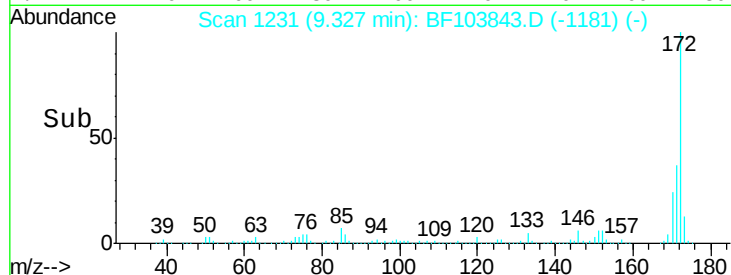
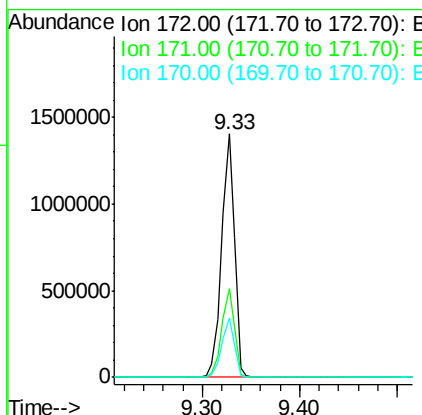
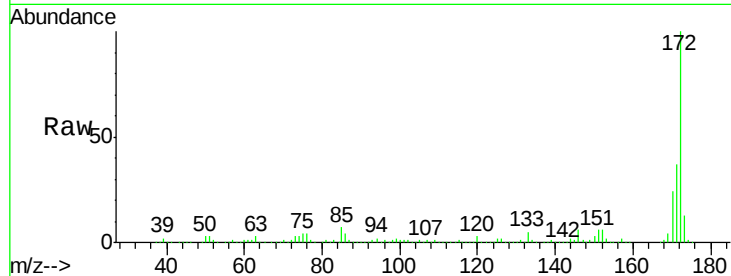
#44
 2-Fluorobiphenyl
 Concen: 74.494 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103843.D
 Acq: 22 Mar 2018 11:02

Instrument :
 BNA_F
 ClientSampleId :
 MW-104(4-5)

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.3	19.6	29.4

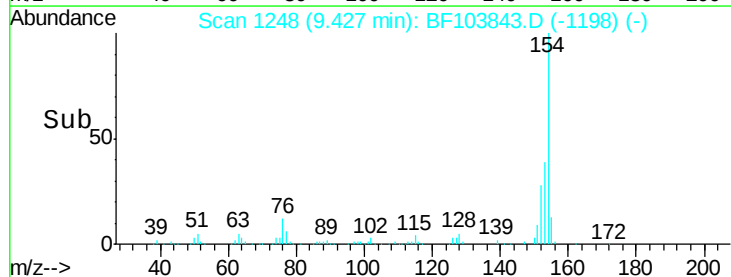
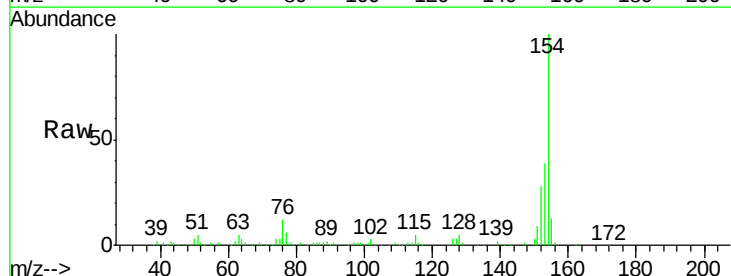
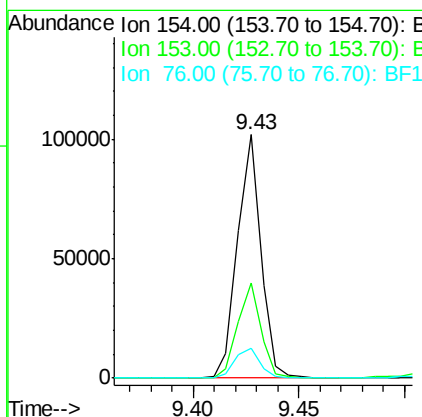
Manual Integrations
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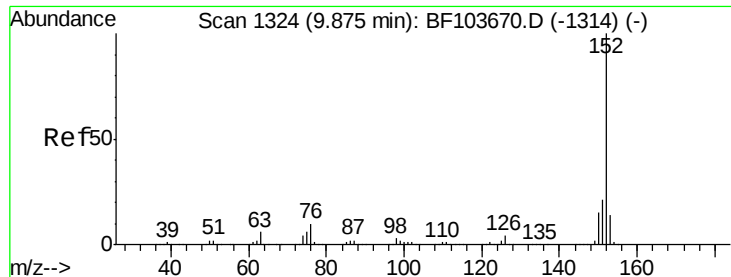
Sohil
 3/23/2018 2:46:19 PM



#45
 1,1'-Biphenyl
 Concen: 3.379 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: BF103843.D
 Acq: 22 Mar 2018 11:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.8	21.3	61.3
76	12.2	0.0	34.0





#48

Acenaphthylene

Concen: 5.048 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF103843.D

Acq: 22 Mar 2018 11:02

Instrument :

BNA_F

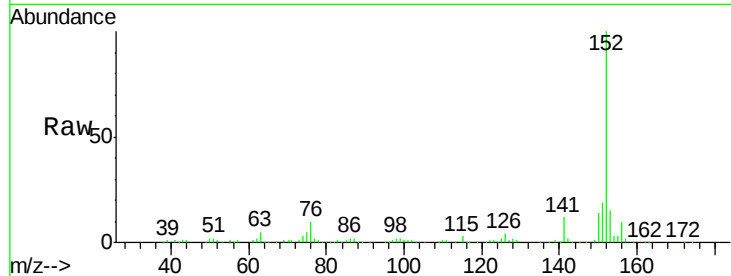
ClientSampleId :

MW-104(4-5)

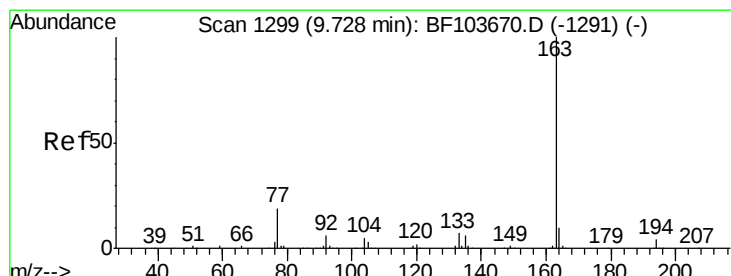
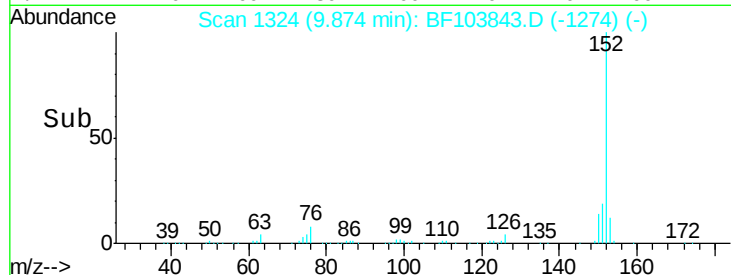
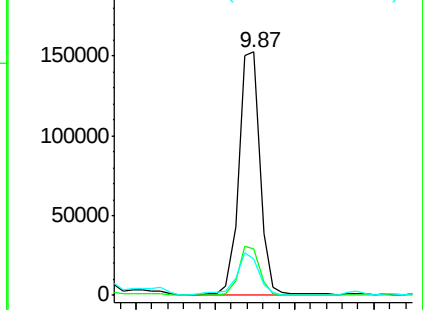
Tgt Ion:	152	Resp:	143249
Ion Ratio	Lower	Upper	
152	100		
151	19.2	16.3	24.5
153	14.6	10.7	16.1

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 7.820 ng

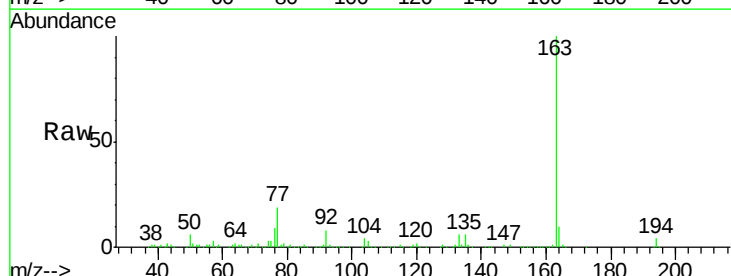
RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

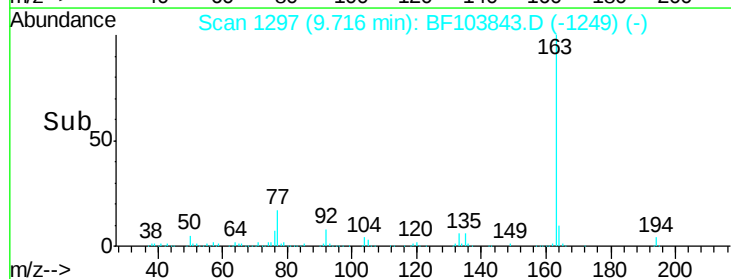
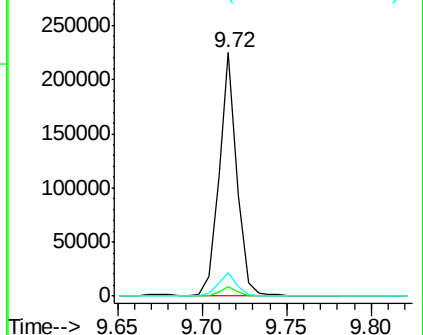
Lab File: BF103843.D

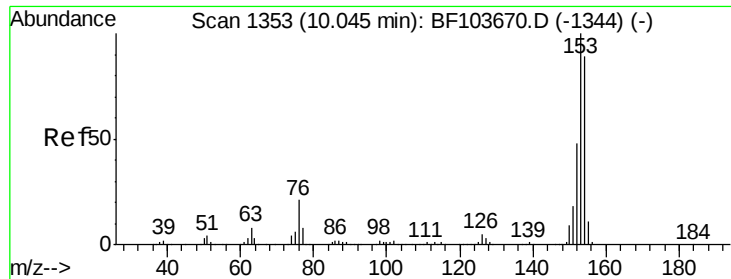
Acq: 22 Mar 2018 11:02

Tgt Ion:	163	Resp:	164834
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	9.6	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 5.614 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF103843.D

Acq: 22 Mar 2018 11:02

Instrument :

BNA_F

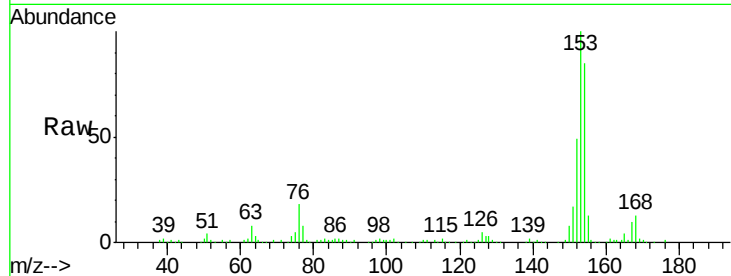
ClientSampleId :

MW-104(4-5)

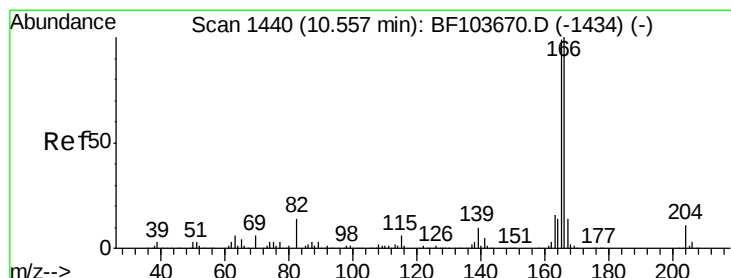
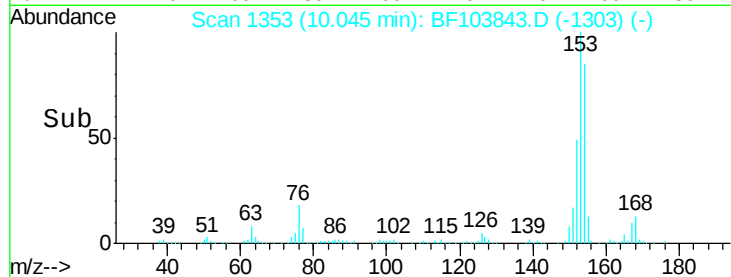
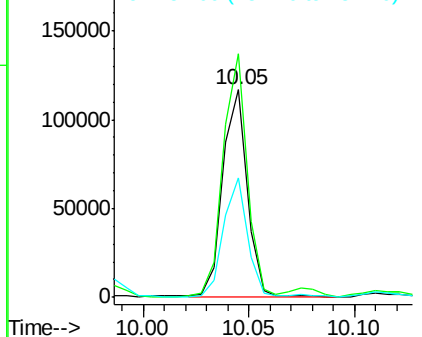
Tgt Ion:	154	Resp:	94582
Ion Ratio	Lower	Upper	
154	100		
153	117.3	91.2	136.8
152	57.3	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 8.125 ng

RT: 10.56 min Scan# 1441

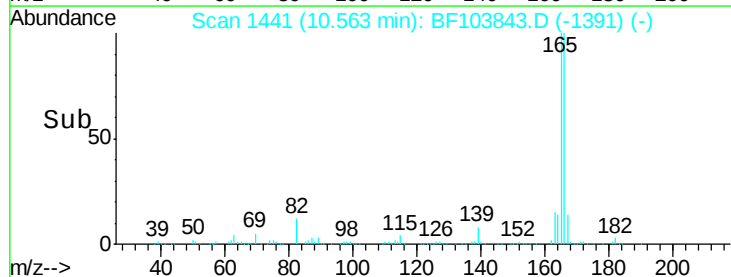
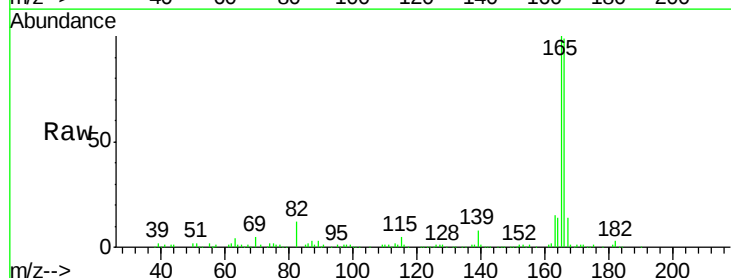
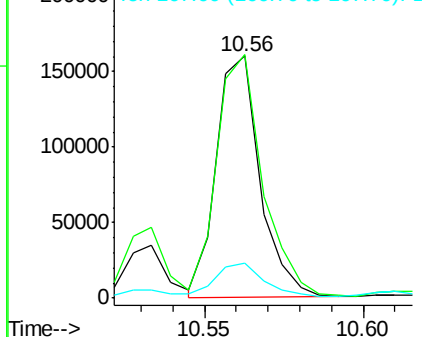
Delta R.T. -0.01 min

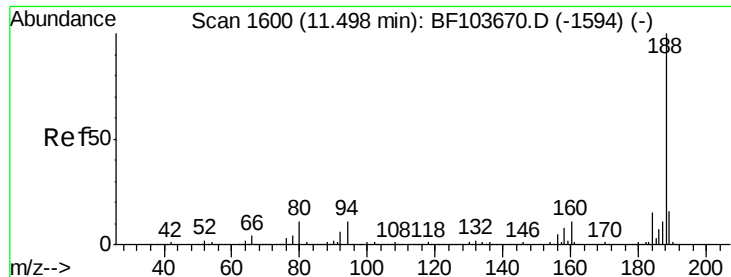
Lab File: BF103843.D

Acq: 22 Mar 2018 11:02

Tgt Ion:	166	Resp:	151716
Ion Ratio	Lower	Upper	
166	100		
165	100.6	79.8	119.8
167	14.5	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





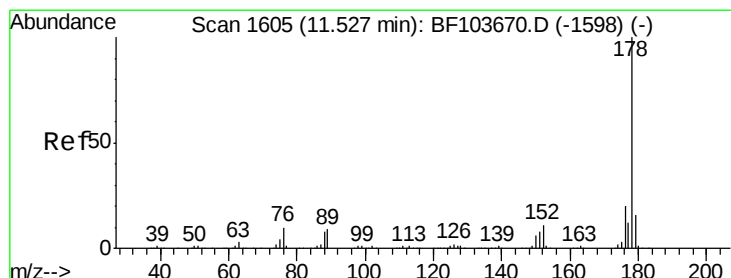
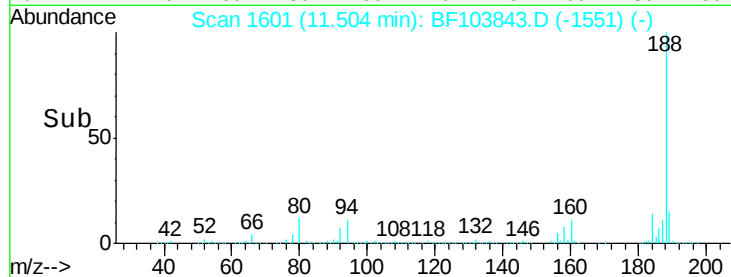
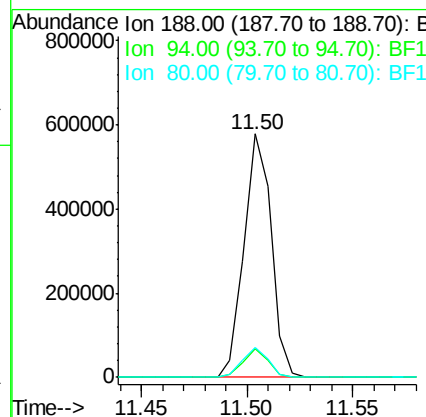
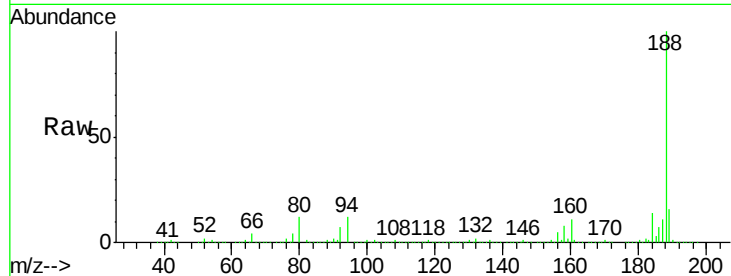
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF103843.D
 Acq: 22 Mar 2018 11:02

Instrument :
 BNA_F
 ClientSampleId :
 MW-104(4-5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.5	8.5	12.7
80	12.5	9.2	13.8

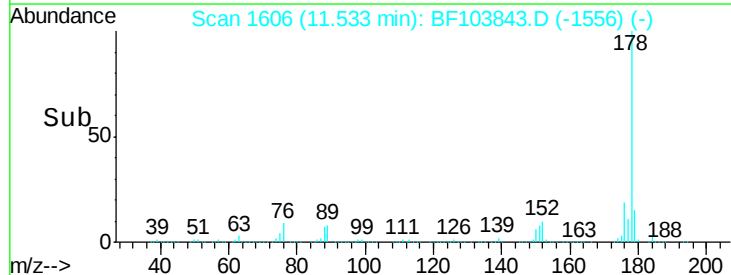
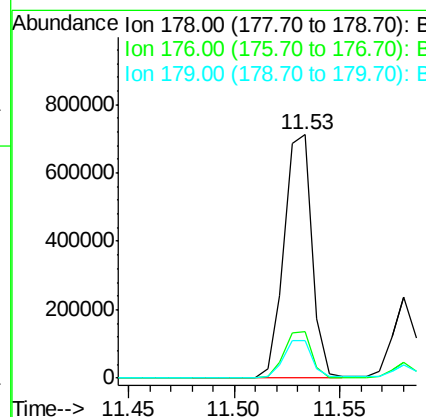
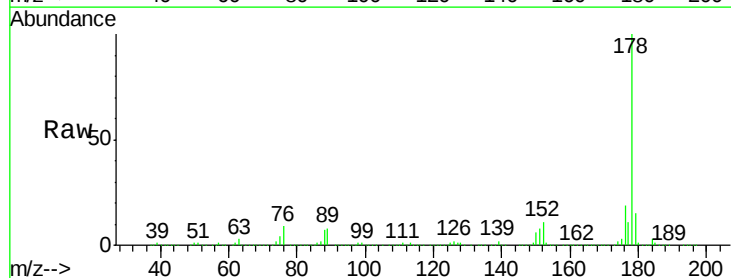
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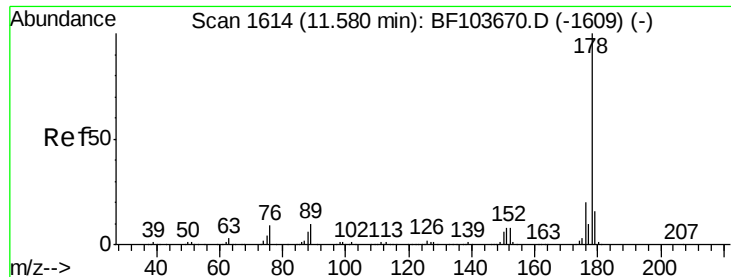
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#70
 Phenanthrene
 Concen: 23.194 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF103843.D
 Acq: 22 Mar 2018 11:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.1	15.8	23.8
179	15.4	13.0	19.6





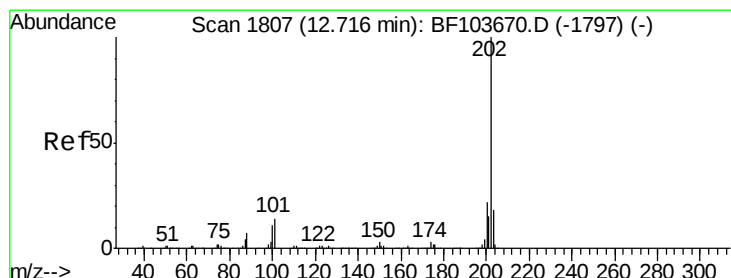
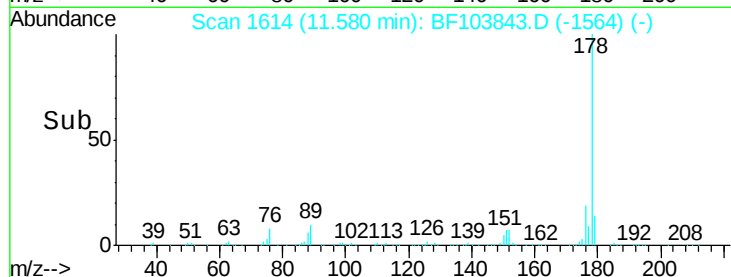
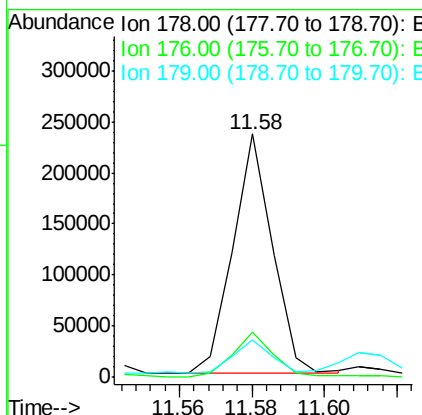
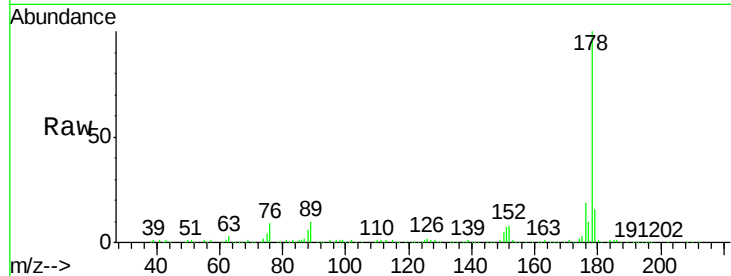
#71
 Anthracene
 Concen: 6.194 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF103843.D
 Acq: 22 Mar 2018 11:02

Instrument :
 BNA_F
 ClientSampleId :
 MW-104(4-5)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.6	12.6	19.0

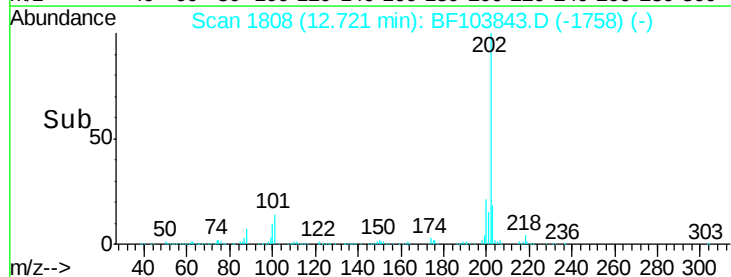
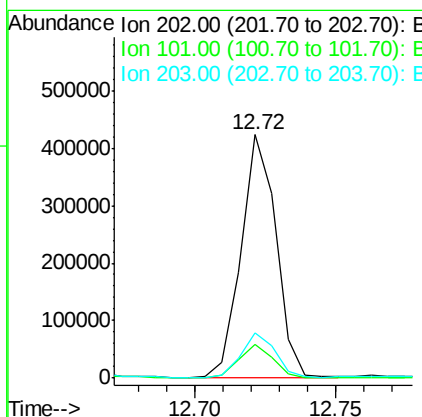
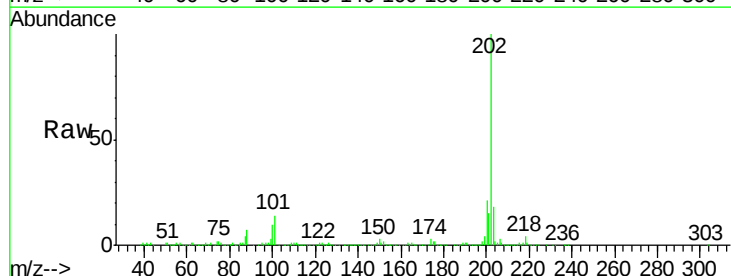
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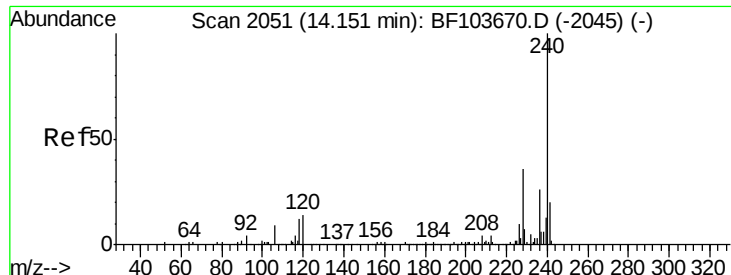
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#74
 Fluoranthene
 Concen: 12.461 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF103843.D
 Acq: 22 Mar 2018 11:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	34.1
203	18.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF103843.D

Acq: 22 Mar 2018 11:02

Instrument :

BNA_F

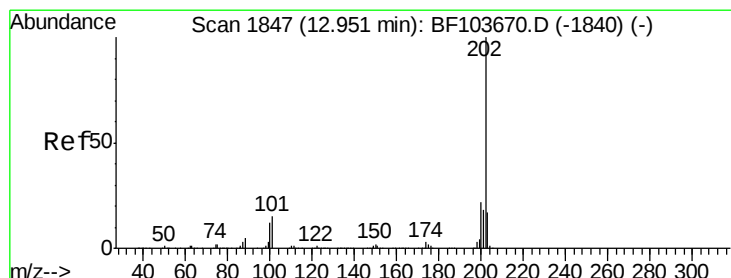
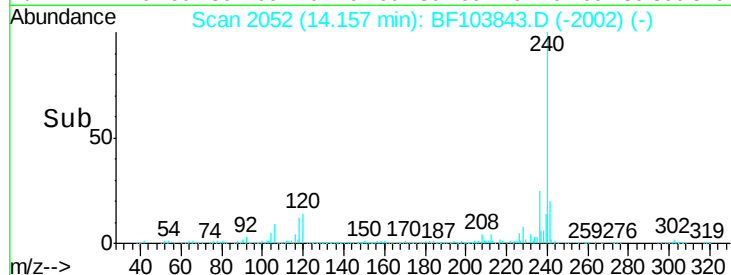
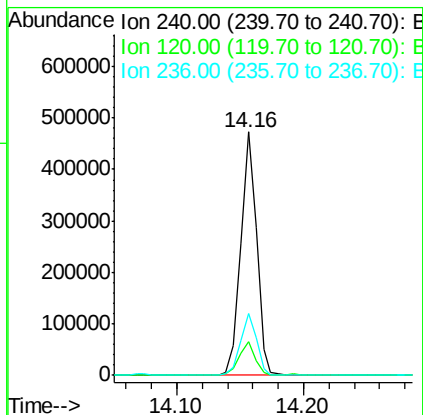
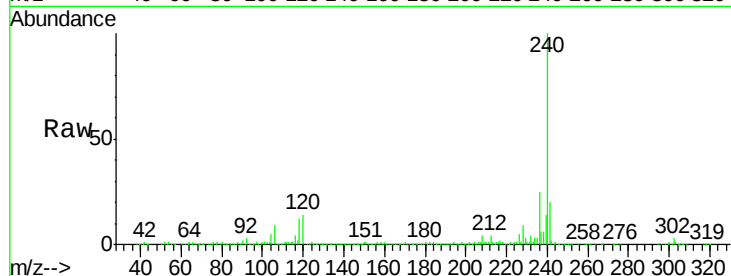
ClientSampleId :

MW-104(4-5)

Tgt Ion:	240	Resp:	404238
Ion Ratio	Lower	Upper	
240	100		
120	13.8	9.5	14.3
236	25.4	20.7	31.1

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#77

Pyrene

Concen: 17.210 ng

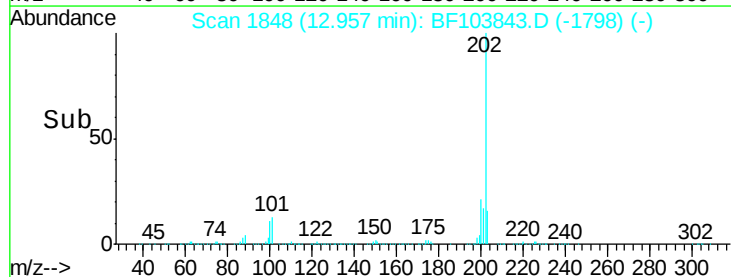
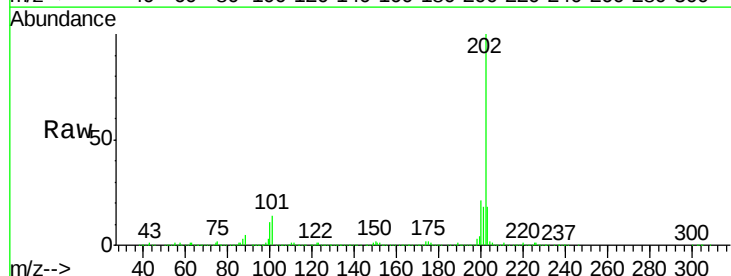
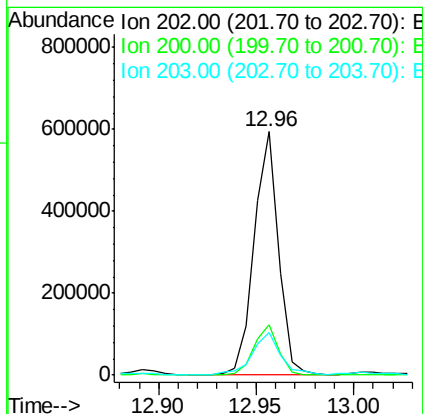
RT: 12.96 min Scan# 1848

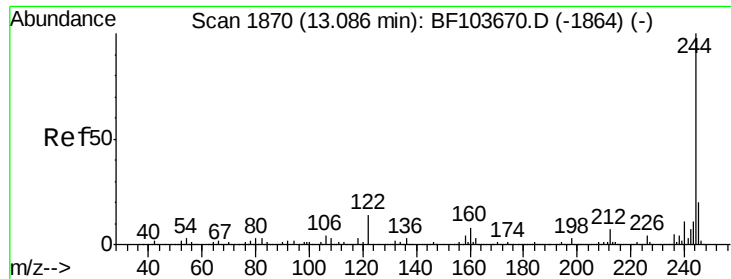
Delta R.T. -0.01 min

Lab File: BF103843.D

Acq: 22 Mar 2018 11:02

Tgt Ion:	202	Resp:	510902
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.8	14.3	21.5





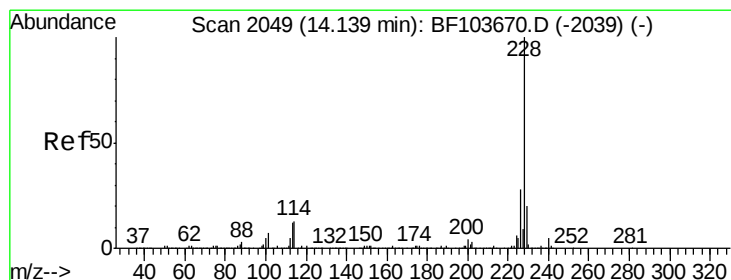
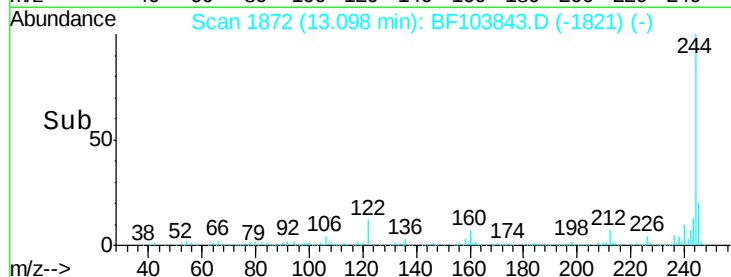
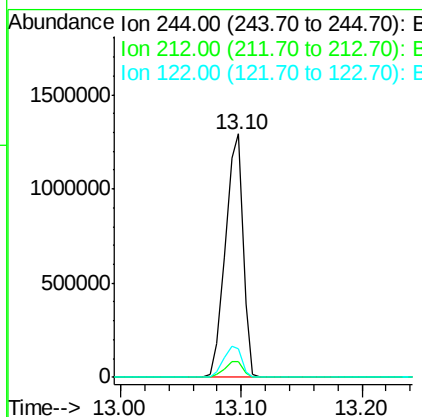
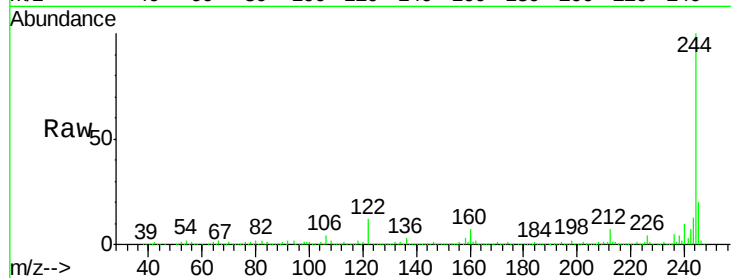
#78
 Terphenyl-d14
 Concen: 75.300 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: BF103843.D
 Acq: 22 Mar 2018 11:02

Instrument :
 BNA_F
 ClientSampleId :
 MW-104(4-5)

Tgt Ion:244 Resp: 1311382
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.7 11.0 16.4

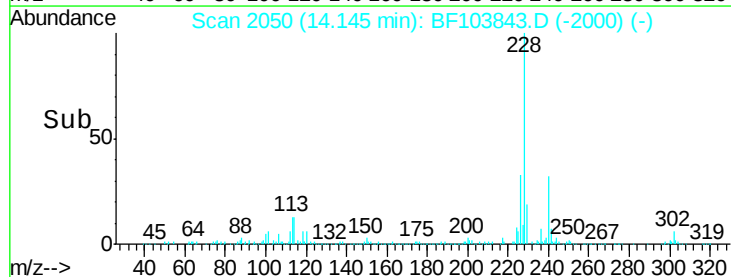
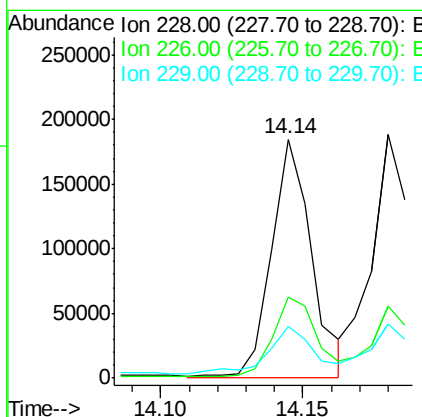
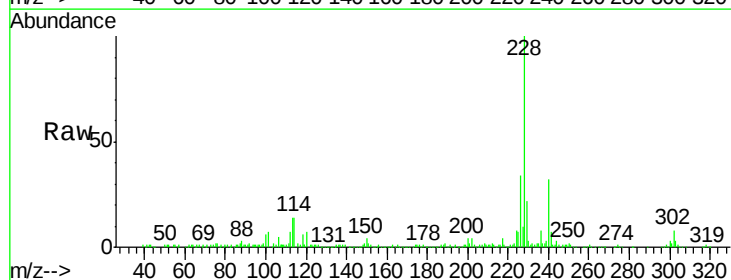
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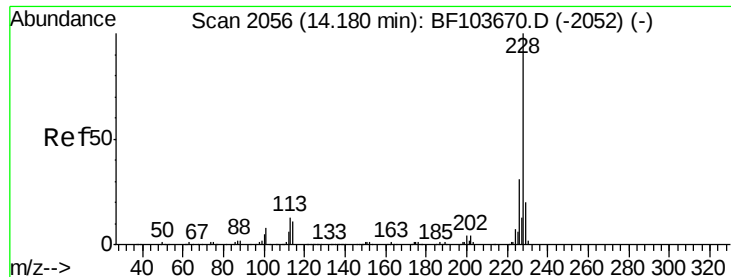
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#80
 Benzo(a)anthracene
 Concen: 7.165 ng m
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BF103843.D
 Acq: 22 Mar 2018 11:02

Tgt Ion:228 Resp: 183334
 Ion Ratio Lower Upper
 228 100
 226 34.0 22.6 33.8#
 229 21.8 15.8 23.6





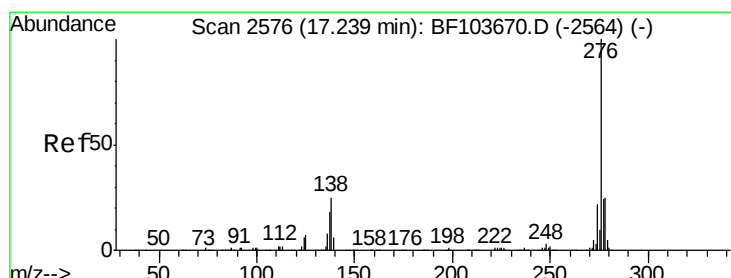
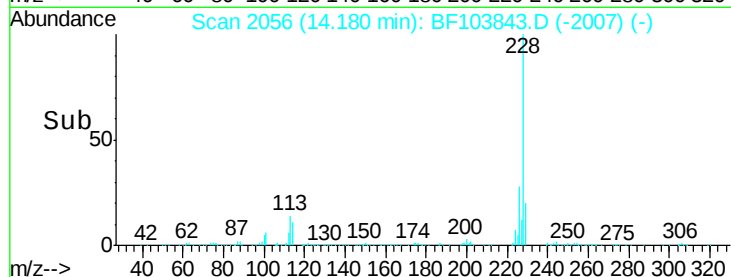
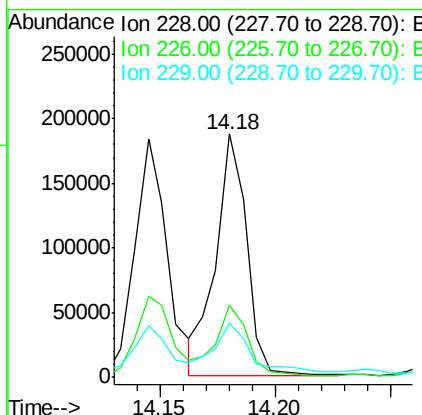
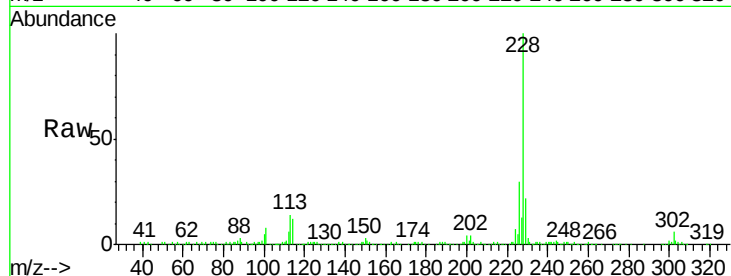
#82
Chrysene
Concen: 7.069 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF103843.D
Acq: 22 Mar 2018 11:02

Instrument :
BNA_F
ClientSampleId :
MW-104(4-5)

Tgt Ion:	228	Resp:	172421
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.0	37.6
229	22.4	16.2	24.4

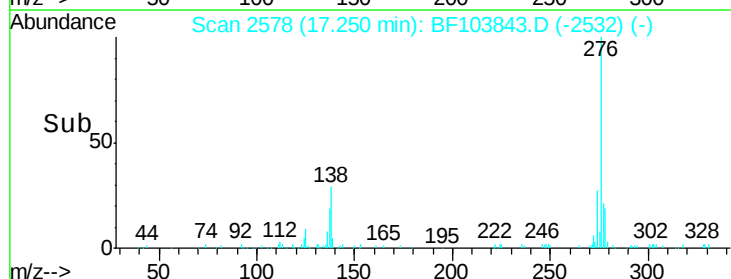
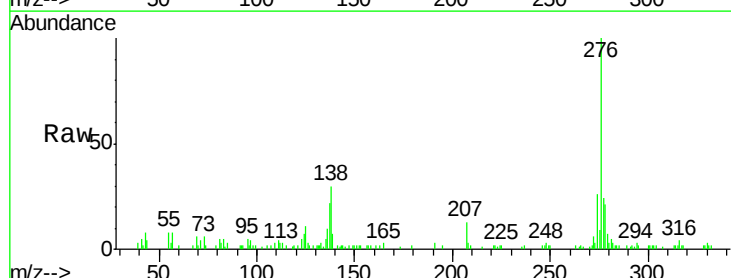
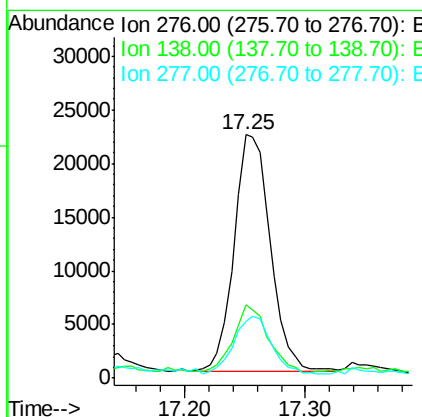
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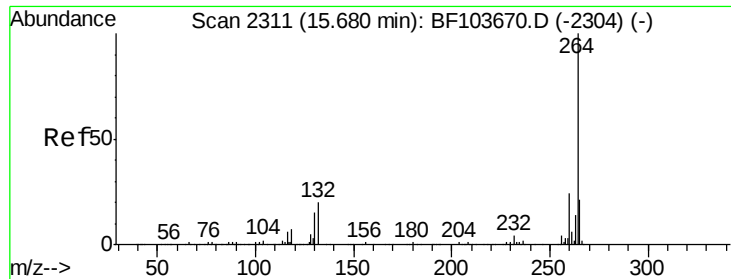
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.174 ng
RT: 17.25 min Scan# 2578
Delta R.T. -0.03 min
Lab File: BF103843.D
Acq: 22 Mar 2018 11:02

Tgt Ion:	276	Resp:	46312
Ion Ratio	Lower	Upper	
276	100		
138	26.7	25.0	37.6
277	25.7	20.1	30.1





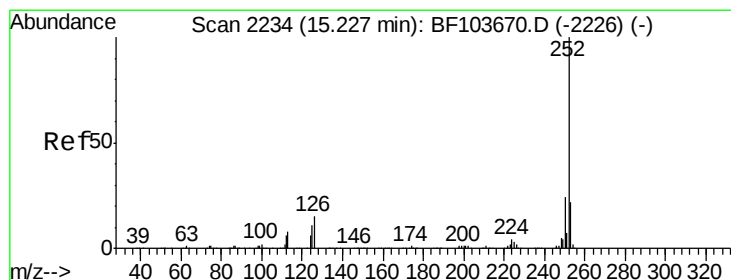
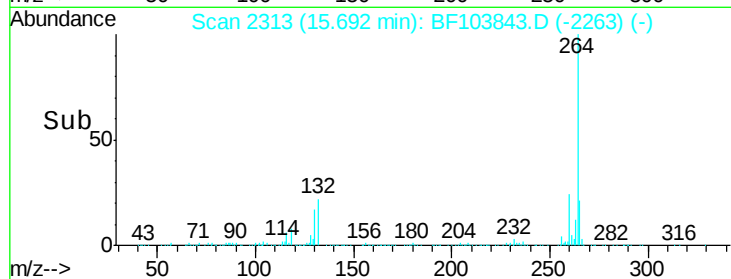
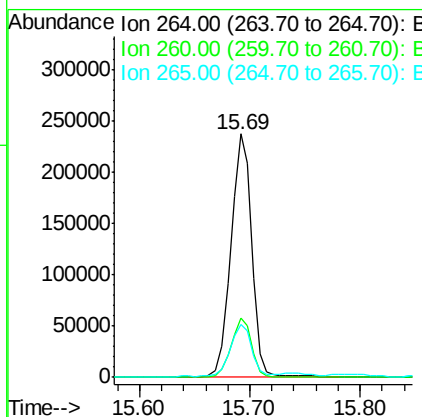
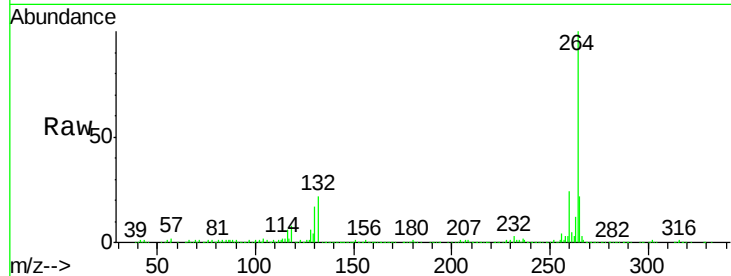
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. -0.01 min
Lab File: BF103843.D
Acq: 22 Mar 2018 11:02

Instrument :
BNA_F
ClientSampleId :
MW-104(4-5)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.5	17.5	26.3

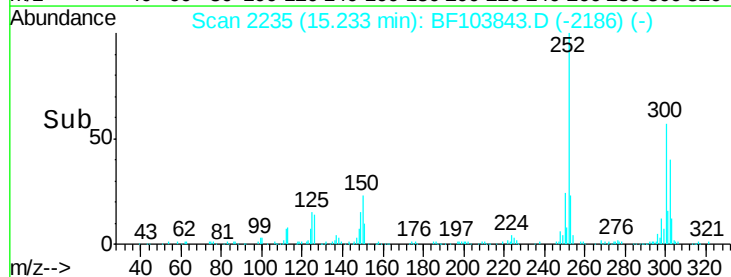
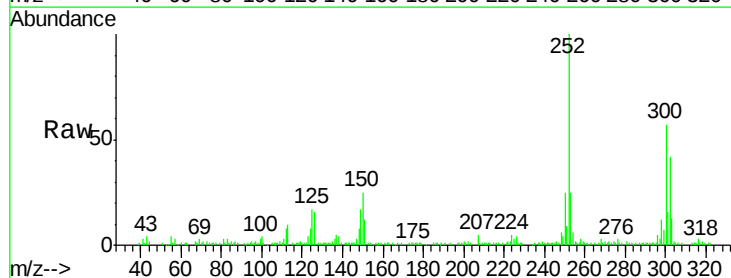
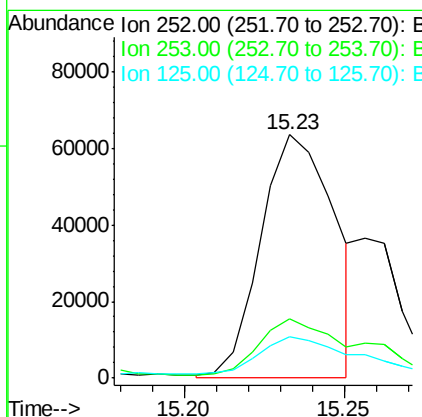
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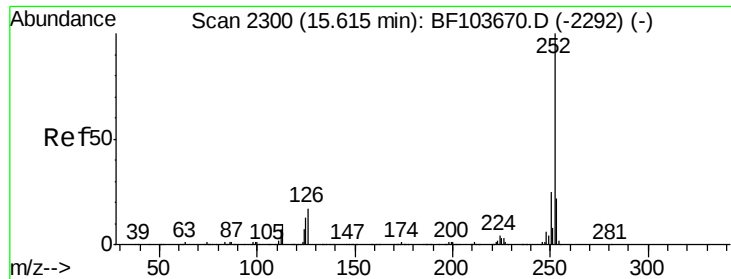
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#87
Benzo(b)fluoranthene
Concen: 5.165 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF103843.D
Acq: 22 Mar 2018 11:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	16.7	9.0	13.6#





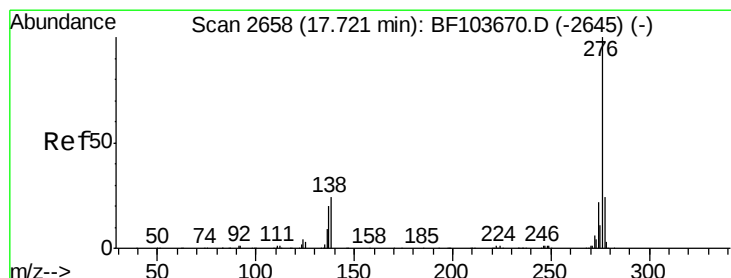
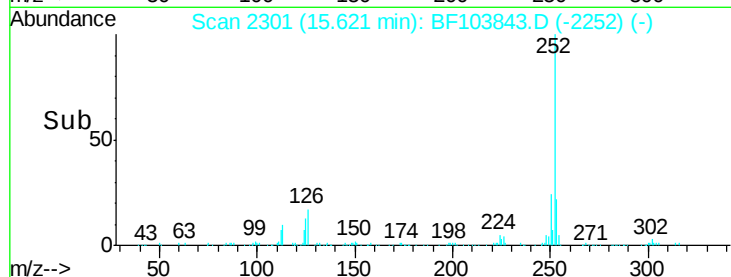
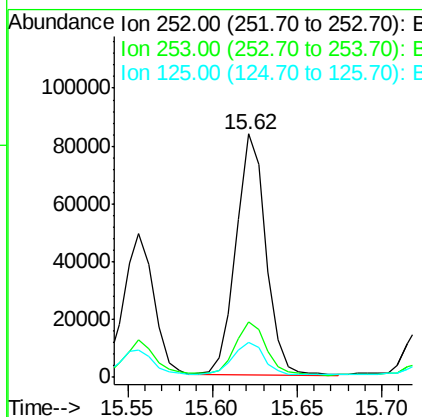
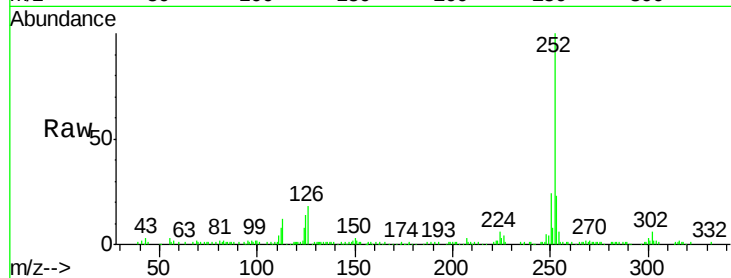
#89
Benzo(a)pyrene
Concen: 5.759 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF103843.D
Acq: 22 Mar 2018 11:02

Instrument :
BNA_F
ClientSampleId :
MW-104(4-5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	14.4	9.8	14.6

Manual Integrations
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3/23/2018 2:46:19 PM



#91
Benzo(g,h,i)perylene
Concen: 3.646 ng
RT: 17.74 min Scan# 2661
Delta R.T. -0.02 min
Lab File: BF103843.D
Acq: 22 Mar 2018 11:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.3	17.9	26.9
138	24.6	21.8	32.8

