

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
 Data File : BF106312.D
 Acq On : 11 Jun 2018 23:09
 Operator : JU/SJ
 Sample : J3347-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-9-10

Manual Integrations
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 6/12/2018 12:58:33 PM

Quant Time: Jun 12 04:19:25 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	235925	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	858336	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	396364	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	676785	20.00	ng	0.00
75) Chrysene-d12	14.15	240	541640	20.00	ng	-0.01
86) Perylene-d12	15.68	264	467214	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1383430	99.25	ng	0.01
7) Phenol-d6	6.60	99	1751566	99.46	ng	0.00
23) Nitrobenzene-d5	7.54	82	1162242	79.66	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	463121	121.44	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1761034	76.35	ng	0.00
78) Terphenyl-d14	13.09	244	1647697	75.56	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	140432	3.619	ng	99
37) 2-Methylnaphthalene	8.97	142	91149	3.449	ng	98
48) Acenaphthylene	9.87	152	210510	5.598	ng	99
49) Dimethylphthalate	9.72	163	257876	9.106	ng	98
54) Dibenzofuran	10.21	168	103394	3.162	ng	97
57) Fluorene	10.56	166	163726	6.319	ng	98
70) Phenanthrene	11.52	178	503122	15.180	ng	99
71) Anthracene	11.58	178	127450	3.838	ng	98
74) Fluoranthene	12.71	202	366884	10.379	ng	98
77) Pyrene	12.95	202	257929	7.606	ng	98
80) Benzo(a)anthracene	14.14	228	173257m	5.375	ng	
82) Chrysene	14.17	228	137820m	4.683	ng	
87) Benzo(b)fluoranthene	15.22	252	148032m	5.241	ng	
88) Benzo(k)fluoranthene	15.25	252	61057m	2.183	ng	
89) Benzo(a)pyrene	15.61	252	91174	3.589	ng	# 97

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

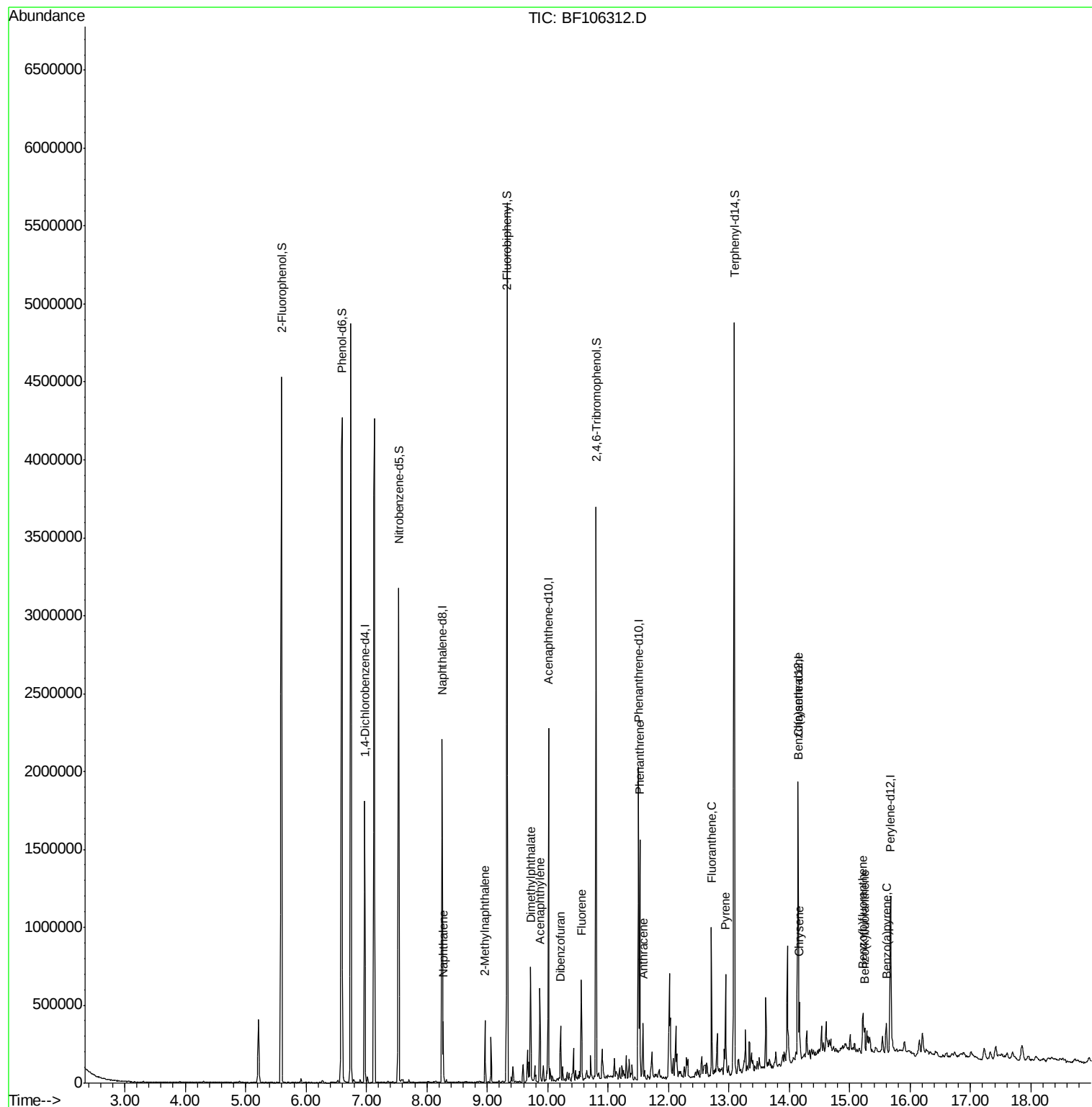
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
Data File : BF106312.D
Acq On : 11 Jun 2018 23:09
Operator : JU/SJ
Sample : J3347-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

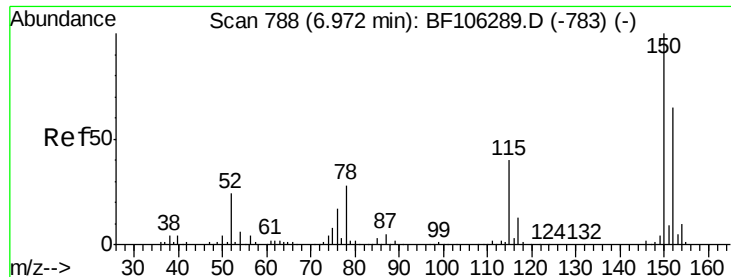
Instrument :
BNA_F
ClientSampleId :
B-9-10

Quant Time: Jun 12 04:19:25 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

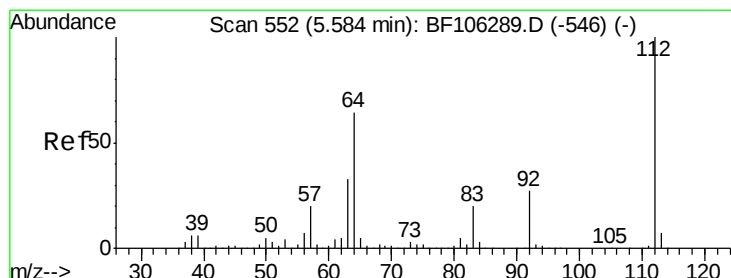
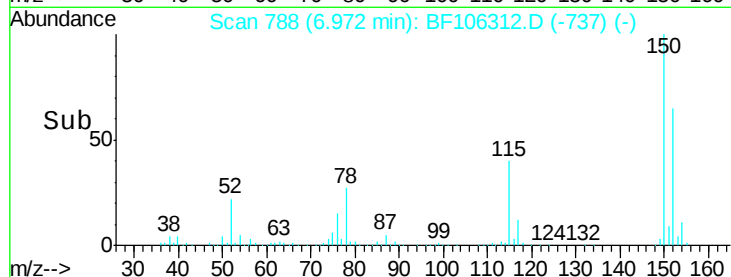
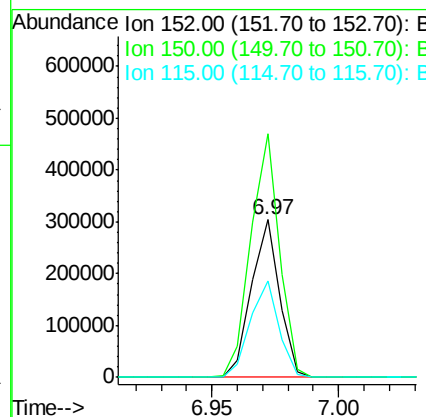
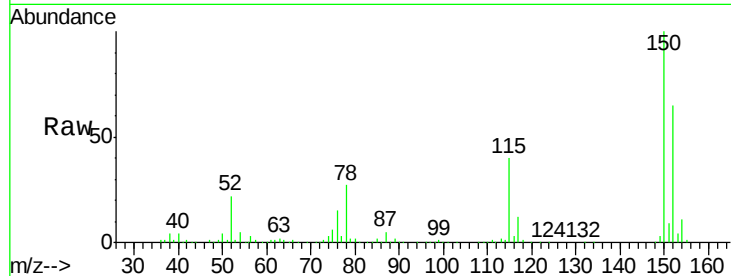
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106312.D
Acq: 11 Jun 2018 23:09

Instrument :
BNA_F
ClientSampleId :
B-9-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	61.5	50.1	75.1

Manual Integrations
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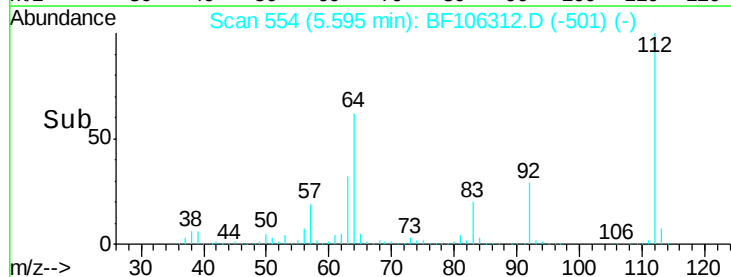
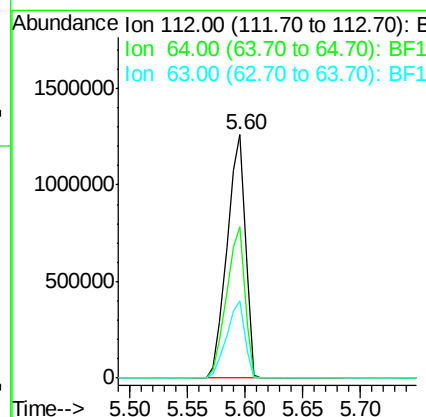
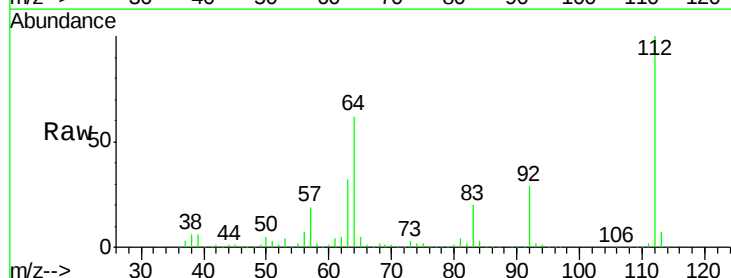
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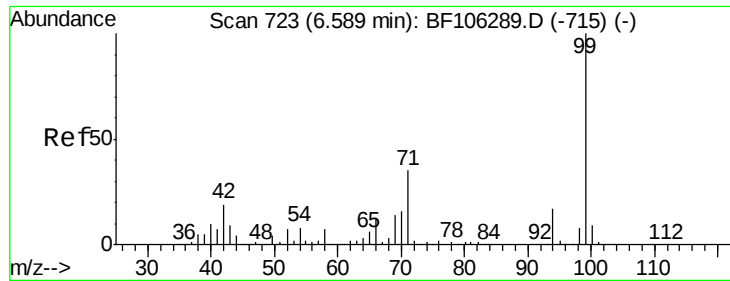


#5

2-Fluorophenol
Concen: 99.246 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF106312.D
Acq: 11 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	47.9	71.9
63	31.7	23.7	35.5





#7

Phenol-d6

Concen: 99.458 ng

RT: 6.60 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF106312.D

Acq: 11 Jun 2018 23:09

Instrument :

BNA_F

ClientSampleId :

B-9-10

Tot Ion: 99 Resp: 1751566

Ion Ratio Lower Upper

99 100

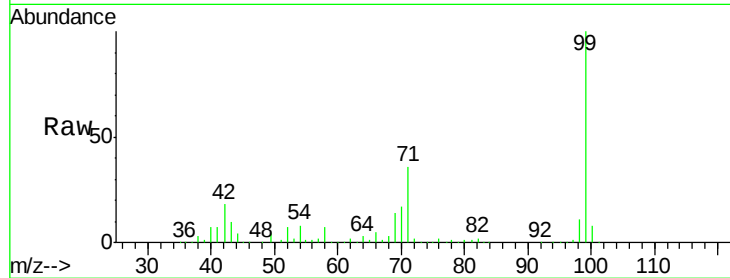
42 18.2 14.5 21.7

71 36.3 25.4 38.0

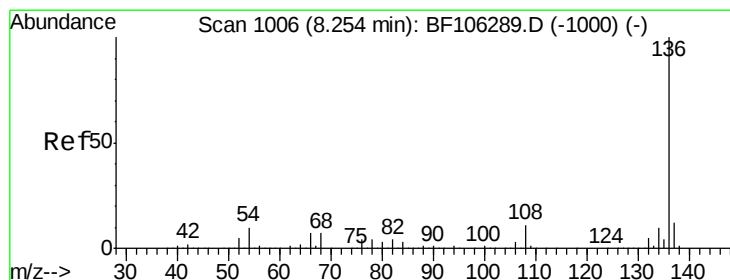
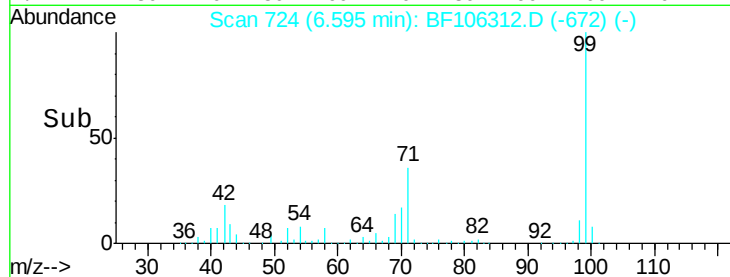
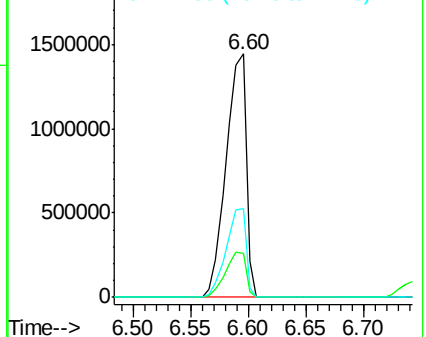
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Abundance Ion 99.00 (98.70 to 99.70): BF1
2000000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF106312.D

Acq: 11 Jun 2018 23:09

Tgt Ion: 136 Resp: 858336

Ion Ratio Lower Upper

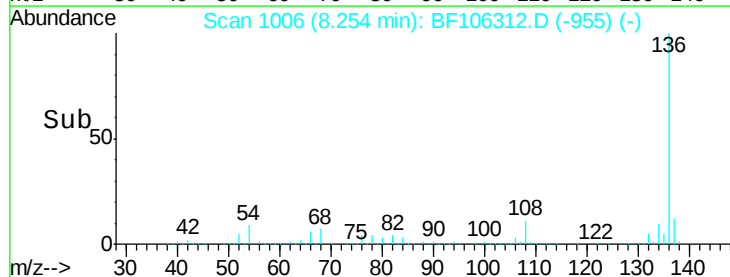
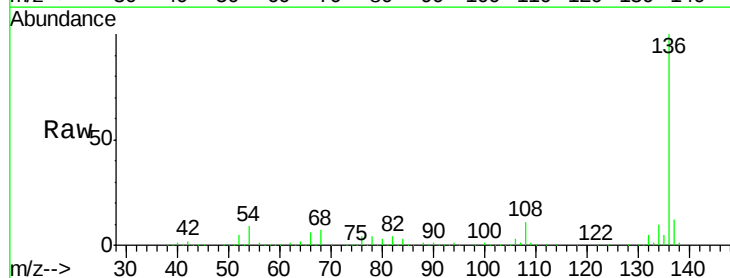
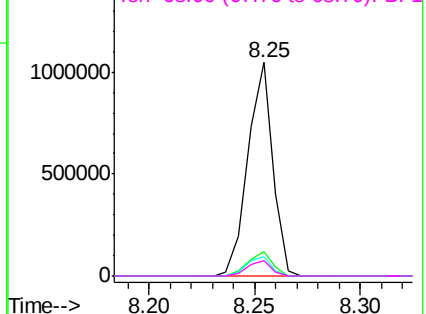
136 100

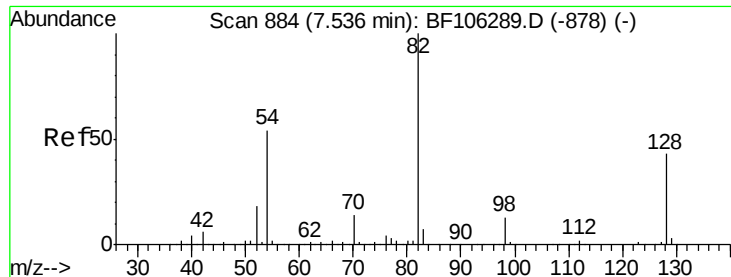
137 11.6 8.9 13.3

54 9.0 6.6 9.8

68 7.3 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
1500000
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: 79.658 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF106312.D

Acq: 11 Jun 2018 23:09

Instrument :

BNA_F

ClientSampled :

B-9-10

Tot Ion: 82 Resp: 1162242

Ion Ratio Lower Upper

82 100

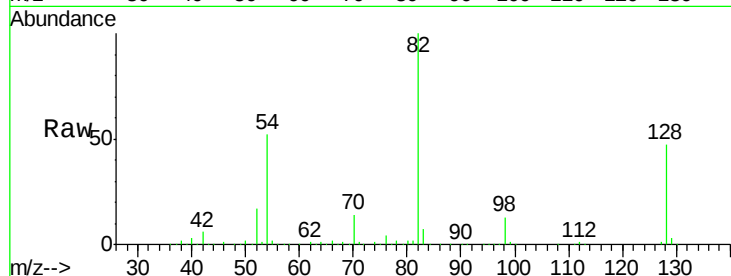
128 46.9 36.1 54.1

54 52.0 41.4 62.2

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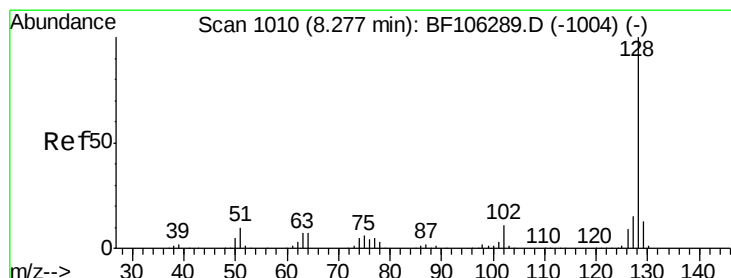
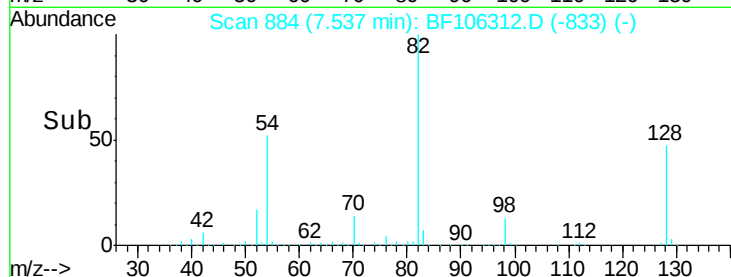
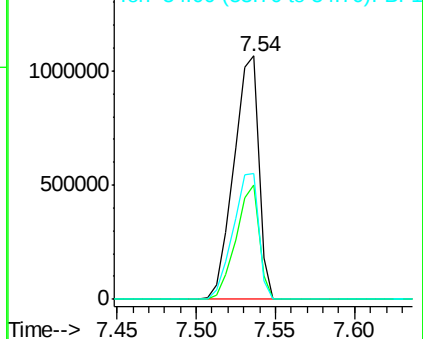
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Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#31

Naphthalene

Concen: 3.619 ng

RT: 8.27 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF106312.D

Acq: 11 Jun 2018 23:09

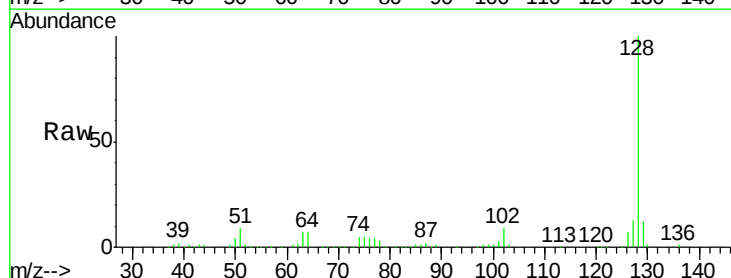
Tgt Ion:128 Resp: 140432

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

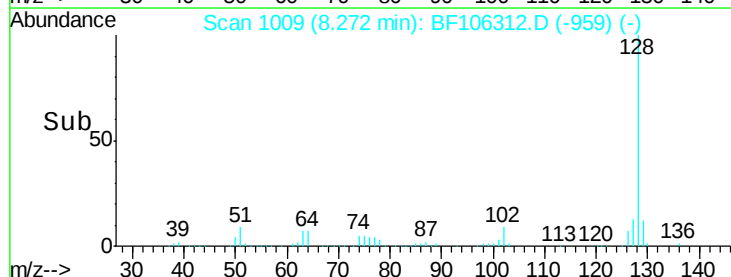
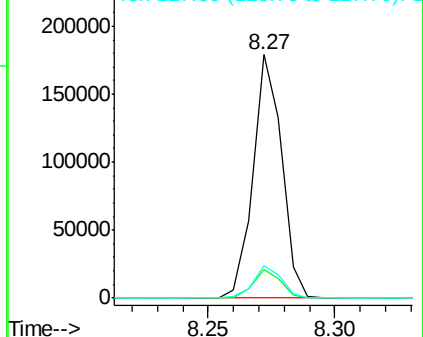
127 13.1 10.9 16.3

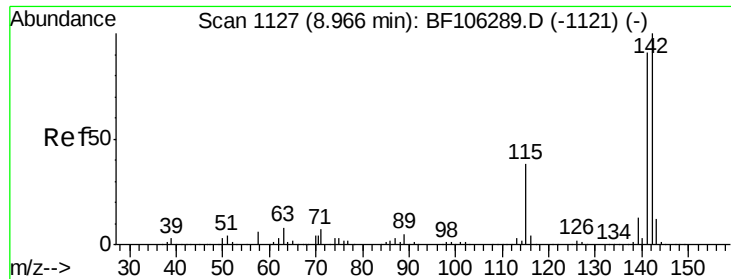


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





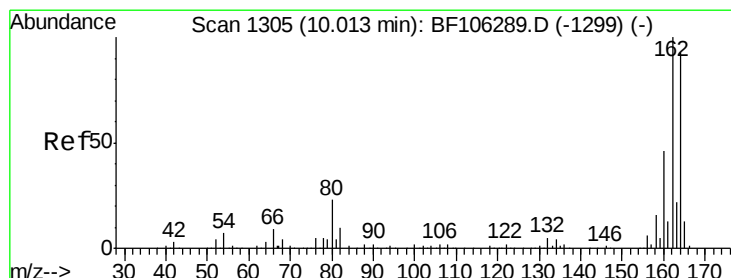
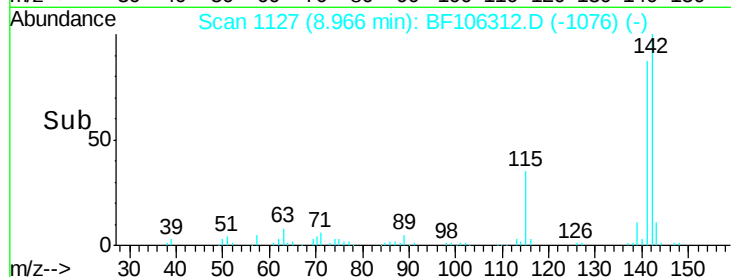
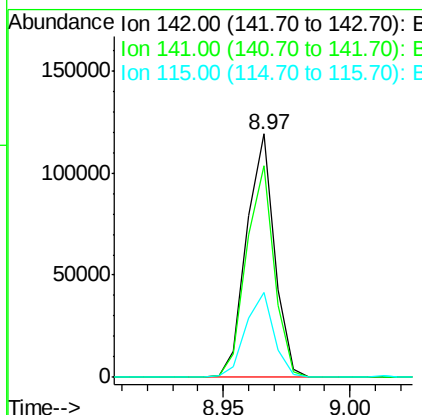
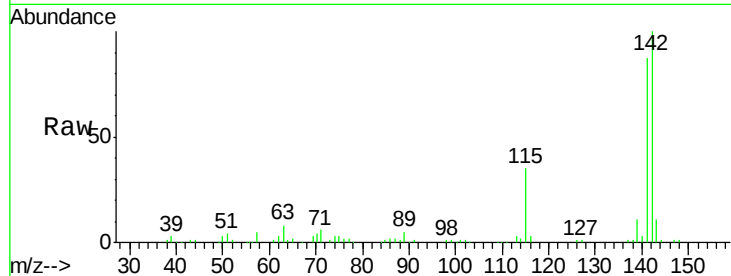
#37
2-Methylnaphthalene
Concen: 3.449 ng
RT: 8.97 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BF106312.D
Acq: 11 Jun 2018 23:09

Instrument :
BNA_F
ClientSampleId :
B-9-10

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.8	106.2
115	34.7	26.1	39.1

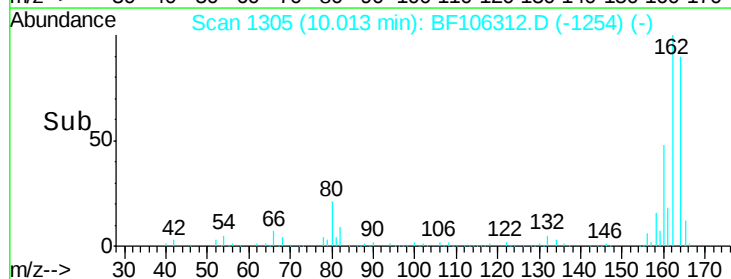
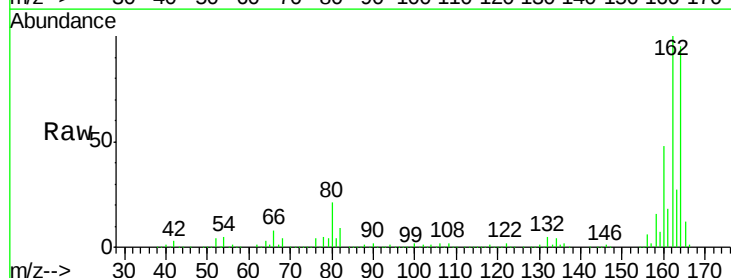
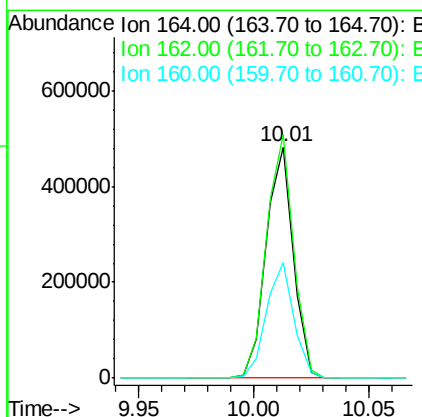
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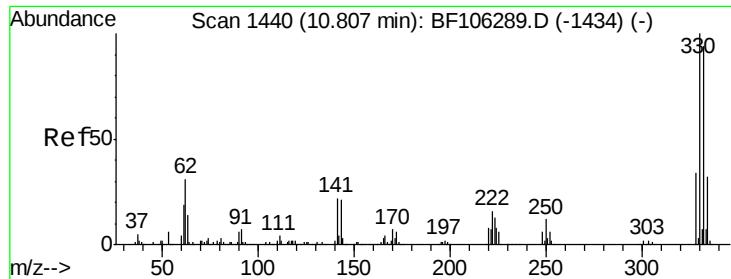
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF106312.D
Acq: 11 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	86.1	129.1
160	50.3	38.3	57.5





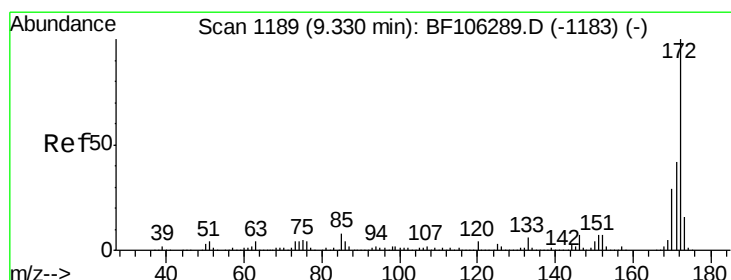
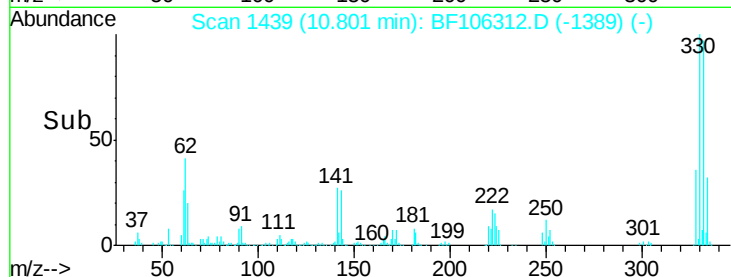
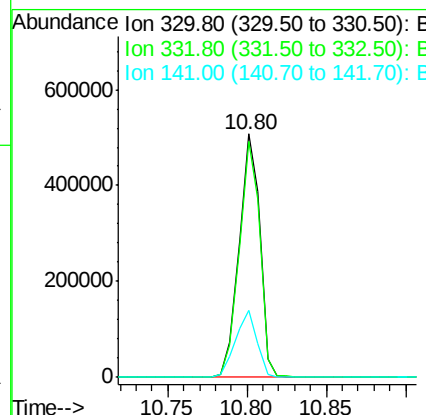
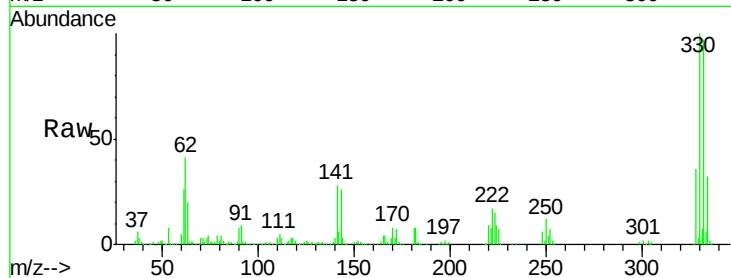
#41
 2,4,6-Tribromophenol
 Concen: 121.436 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106312.D
 Acq: 11 Jun 2018 23:09

Instrument :
 BNA_F
 ClientSampleId :
 B-9-10

Tot Ion	Ratio	Resp	Lower	Upper
330	100	463121		
332	96.3	77.0	115.6	
141	28.5	29.9	44.9#	

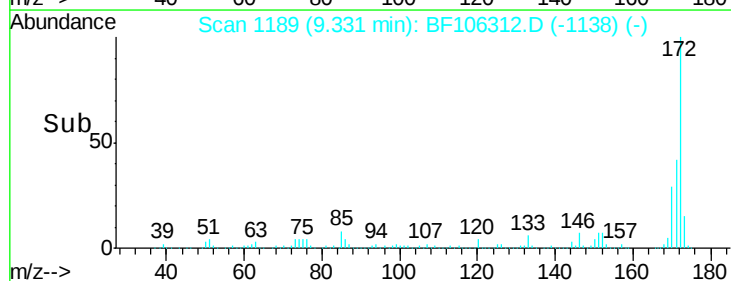
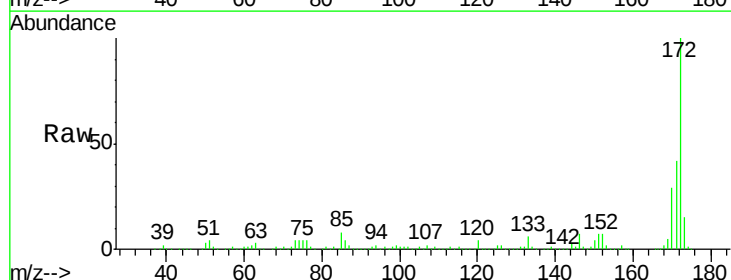
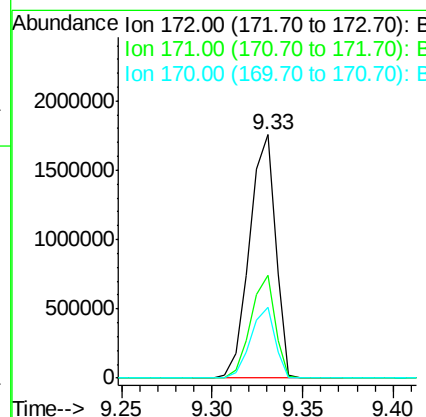
Manual Integrations
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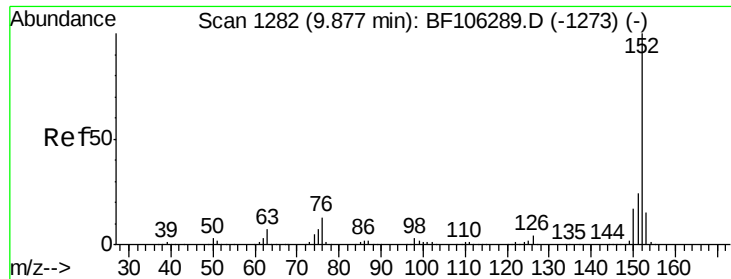
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#44
 2-Fluorobiphenyl
 Concen: 76.354 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF106312.D
 Acq: 11 Jun 2018 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1761034		
171	42.1	29.7	44.5	
170	29.3	19.6	29.4	





#48

Acenaphthylene

Concen: 5.598 ng

RT: 9.87 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF106312.D

Acq: 11 Jun 2018 23:09

Instrument :

BNA_F

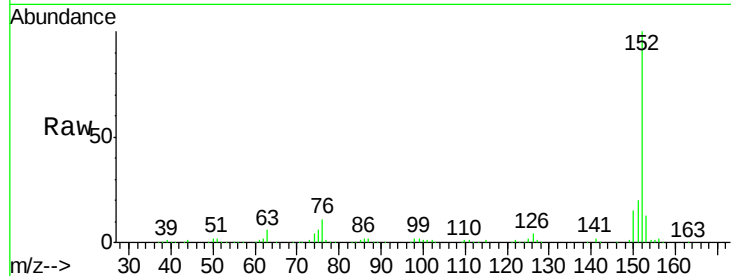
ClientSampleId :

B-9-10

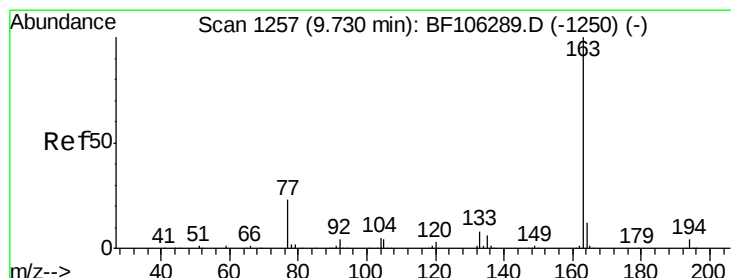
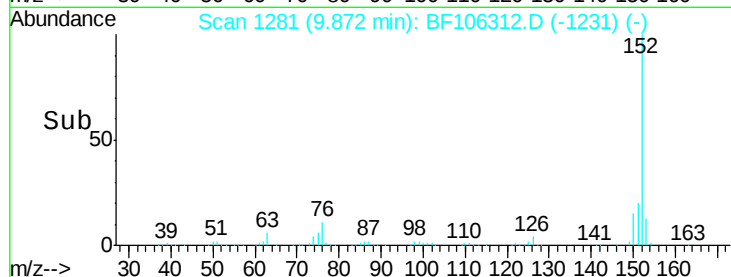
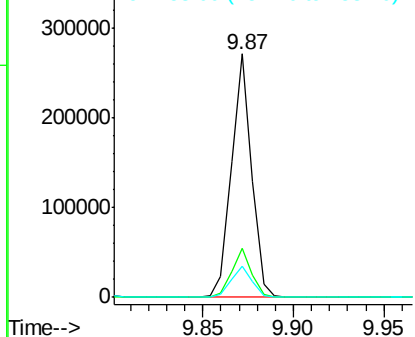
Tot Ion:	152	Resp:	210510
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	13.0	10.7	16.1

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: 9.106 ng

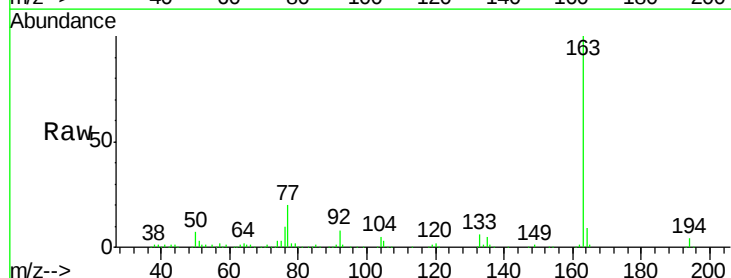
RT: 9.72 min Scan# 1255

Delta R.T. -0.01 min

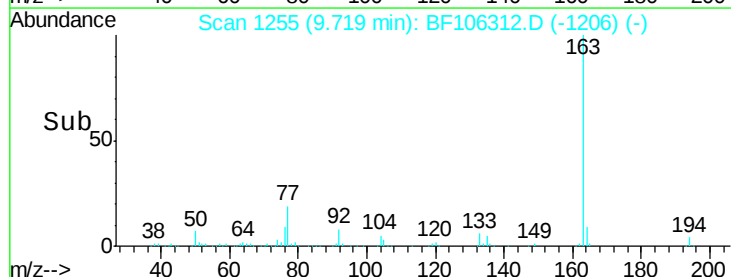
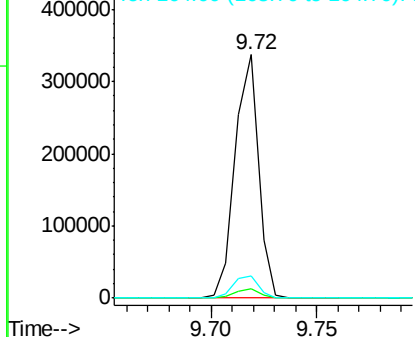
Lab File: BF106312.D

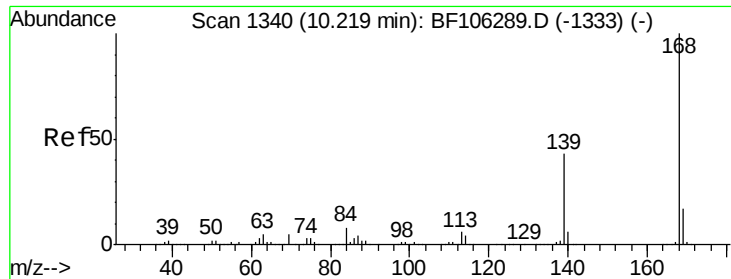
Acq: 11 Jun 2018 23:09

Tgt Ion:	163	Resp:	257876
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	9.2	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





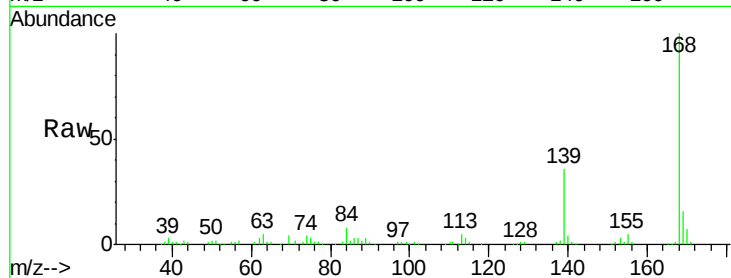
#54
Dibenzenofuran
Concen: 3.162 ng
RT: 10.21 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF106312.D
Acq: 11 Jun 2018 23:09

Instrument :
BNA_F
ClientSampleId :
B-9-10

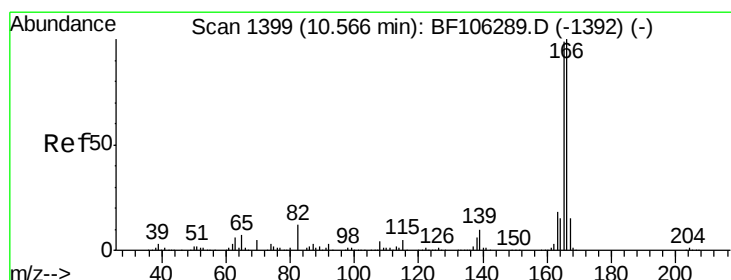
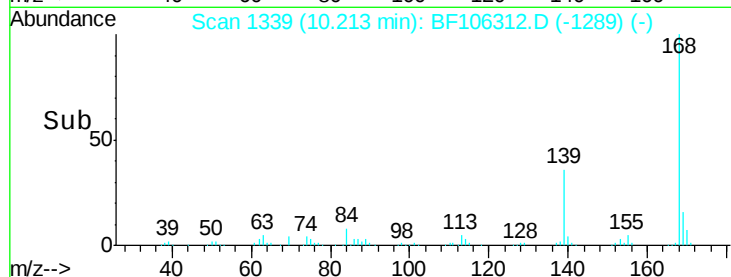
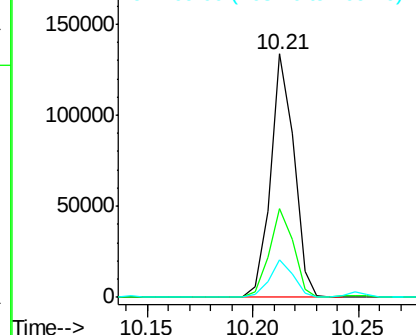
Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	30.1	45.1
169	15.6	10.9	16.3

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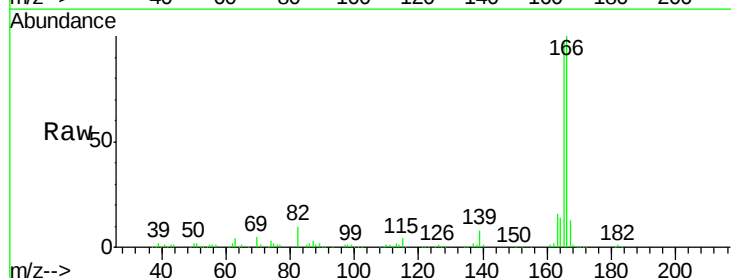


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

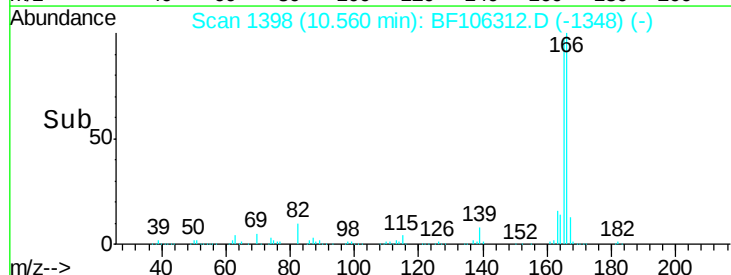
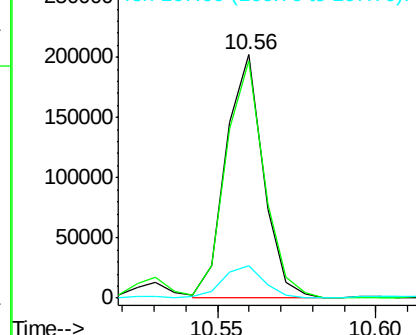


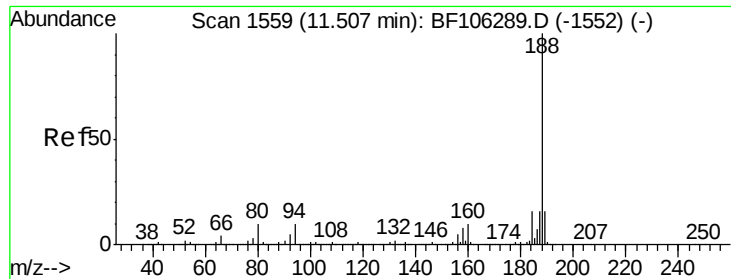
#57
Fluorene
Concen: 6.319 ng
RT: 10.56 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF106312.D
Acq: 11 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.3	79.8	119.8
167	13.2	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





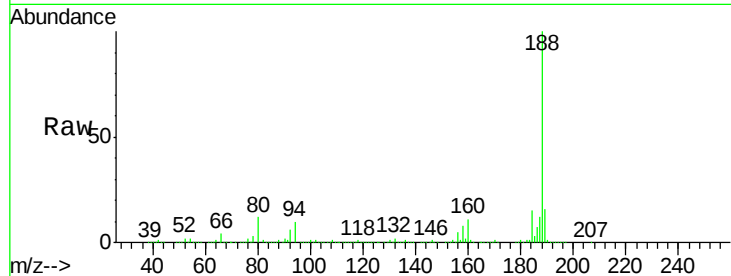
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF106312.D
Acq: 11 Jun 2018 23:09

Instrument :
BNA_F
ClientSampled :
B-9-10

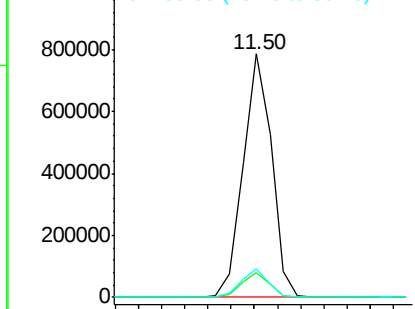
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.8	9.2	13.8

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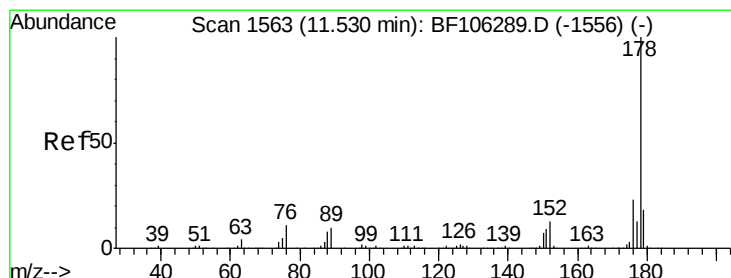
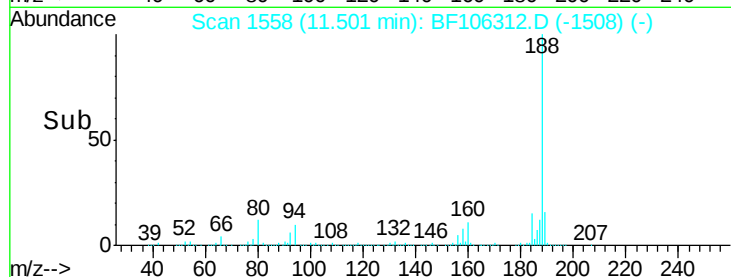
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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

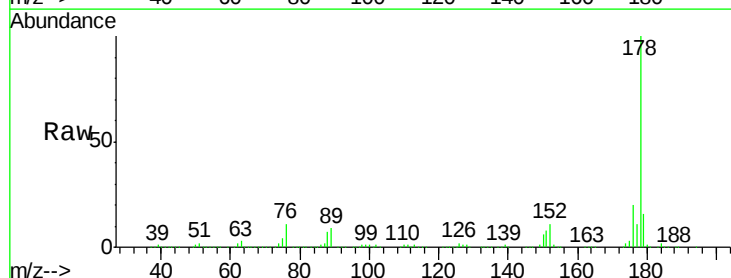


Time-->

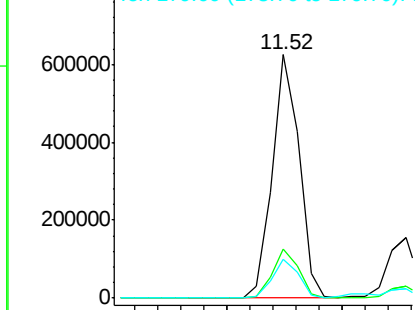


#70
Phenanthrene
Concen: 15.180 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF106312.D
Acq: 11 Jun 2018 23:09

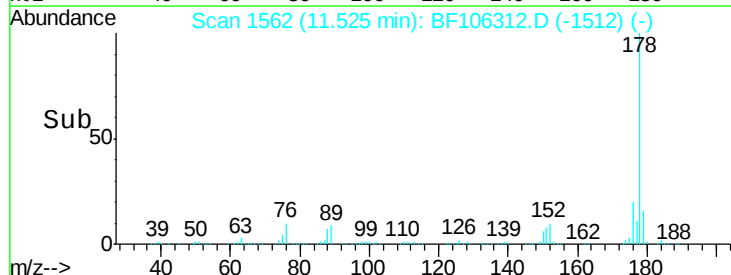
Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.9	13.0	19.6

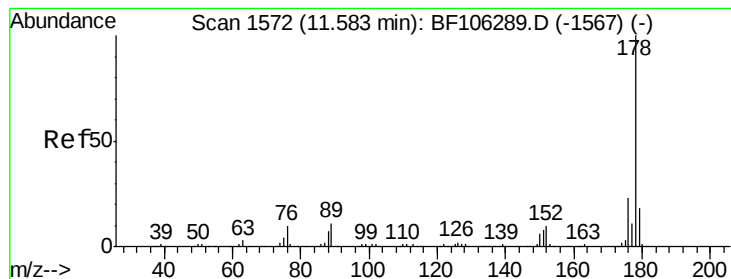


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





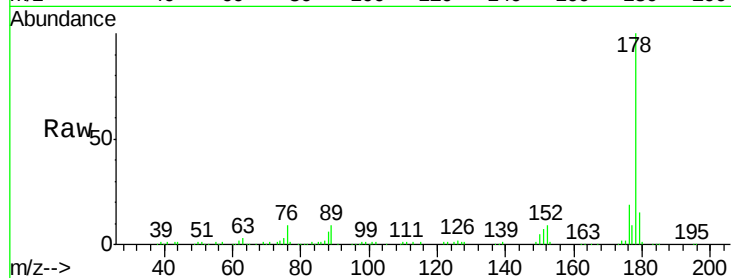
#71
 Anthracene
 Concen: 3.838 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF106312.D
 Acq: 11 Jun 2018 23:09

Instrument :
 BNA_F
 ClientSampleId :
 B-9-10

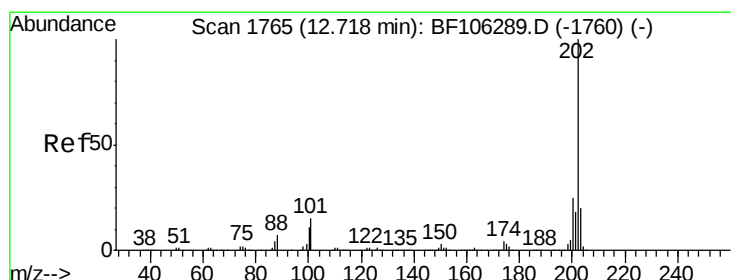
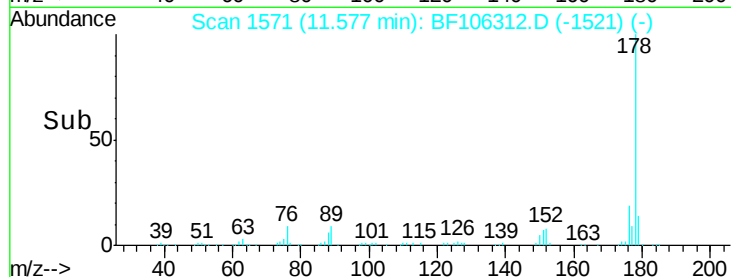
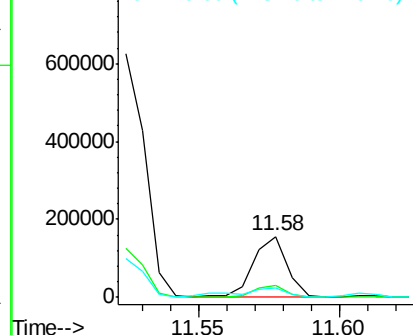
Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.0	15.4	23.2	
179	14.5	12.6	19.0	

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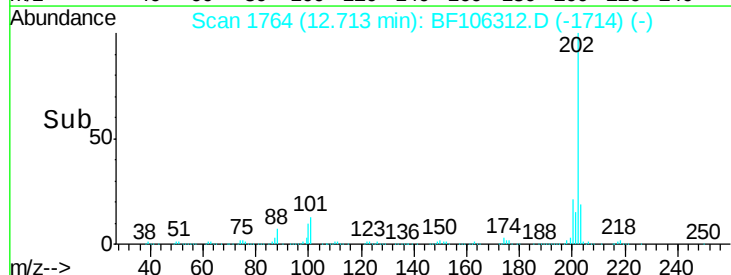
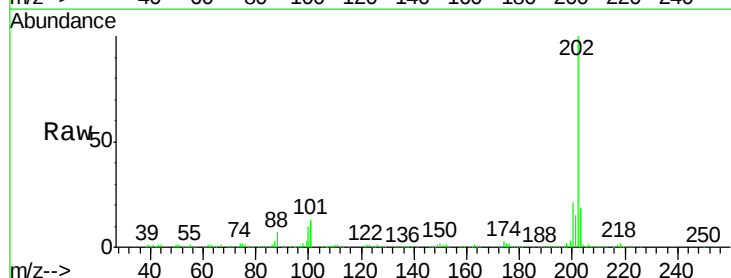
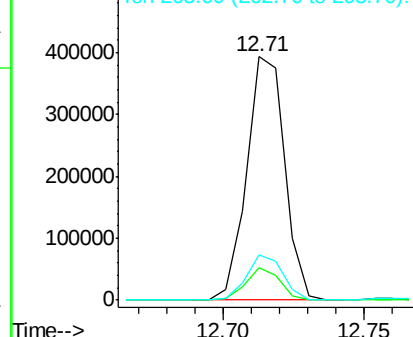
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

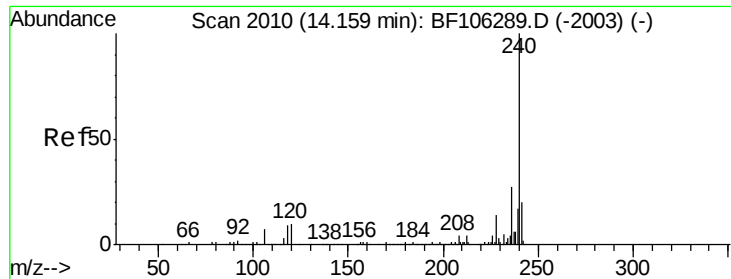


#74
 Fluoranthene
 Concen: 10.379 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF106312.D
 Acq: 11 Jun 2018 23:09

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	13.1	0.0	34.1	
203	18.6	0.0	38.1	

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106312.D

Acq: 11 Jun 2018 23:09

Instrument :

BNA_F

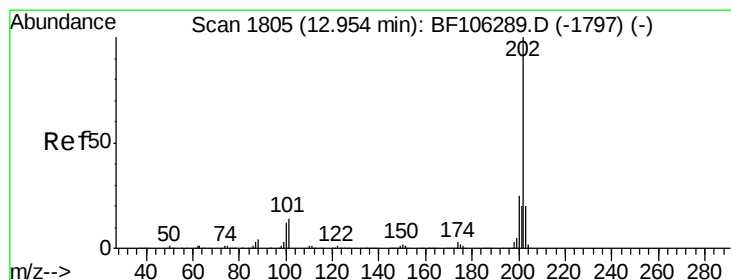
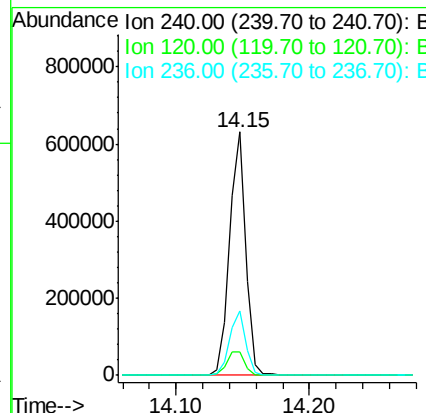
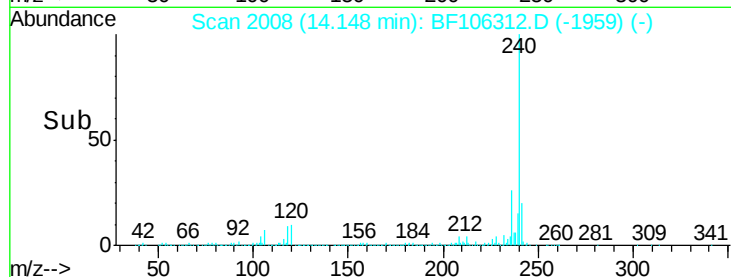
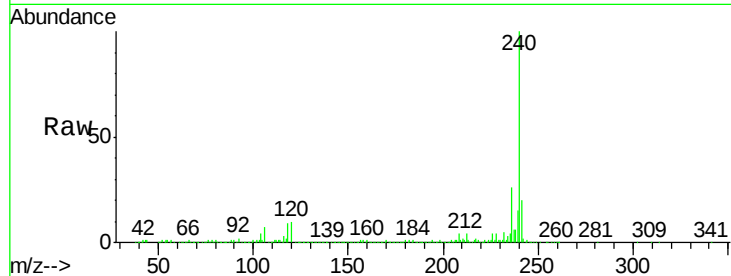
ClientSampleId :

B-9-10

Tot Ion:	240	Resp:	541640
Ion Ratio		Lower	Upper
240	100		
120	9.8	9.5	14.3
236	26.4	20.7	31.1

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#77

Pyrene

Concen: 7.606 ng

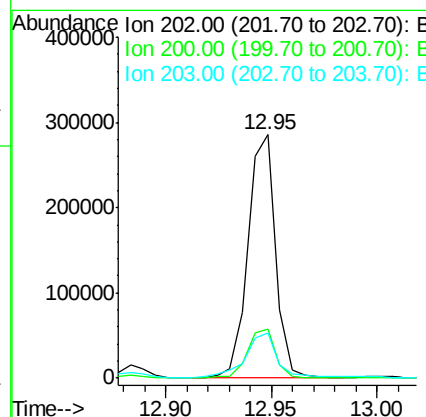
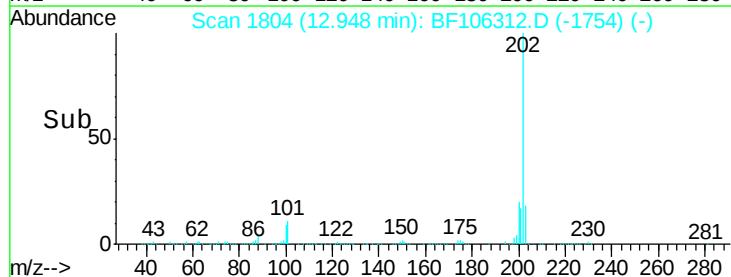
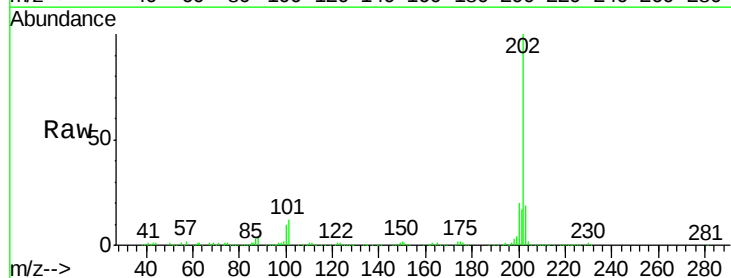
RT: 12.95 min Scan# 1804

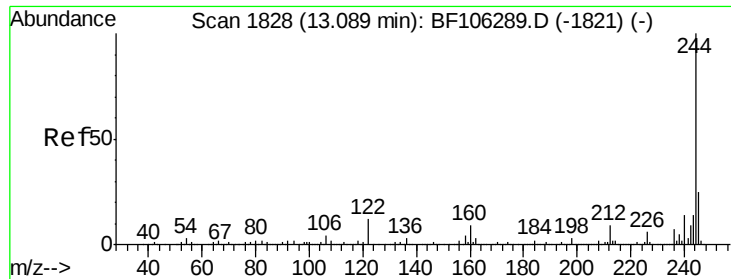
Delta R.T. -0.01 min

Lab File: BF106312.D

Acq: 11 Jun 2018 23:09

Tgt Ion:	202	Resp:	257929
Ion Ratio		Lower	Upper
202	100		
200	20.4	17.4	26.2
203	18.5	14.3	21.5





#78
 Terphenyl-d14
 Concen: 75.558 ng
 RT: 13.09 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: BF106312.D
 Acq: 11 Jun 2018 23:09

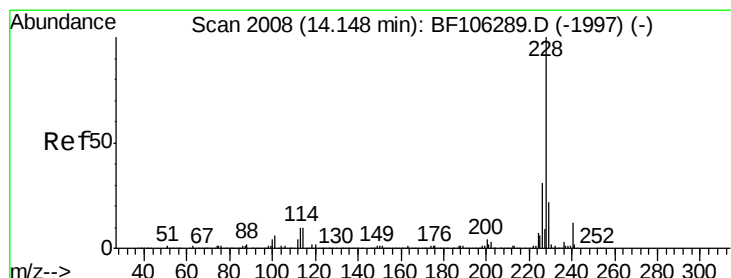
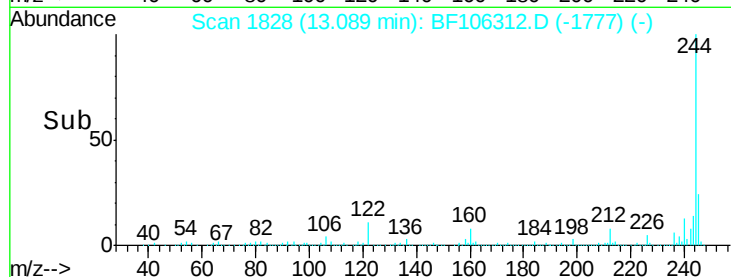
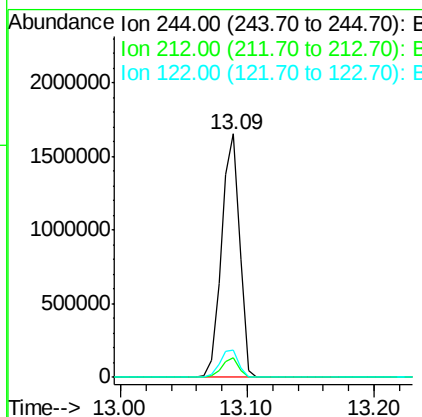
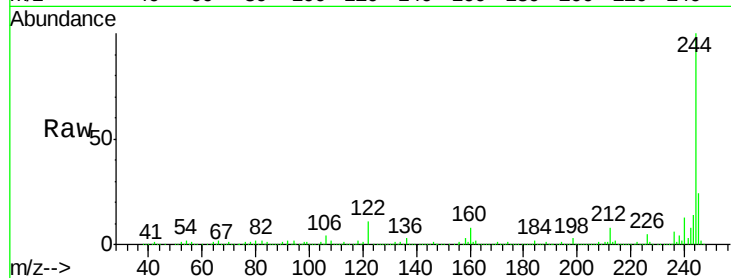
Instrument :
 BNA_F
 ClientSampleId :
 B-9-10

Tot Ion:244 Resp: 1647697

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.4	8.0
122	11.3	11.0	16.4

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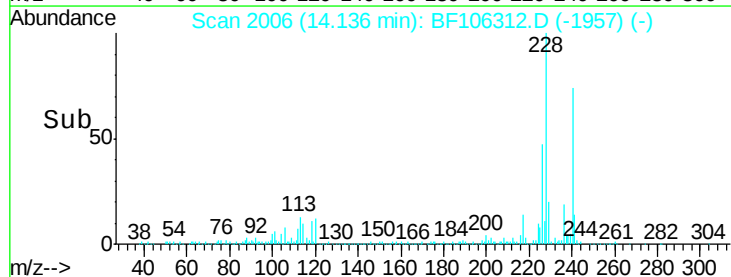
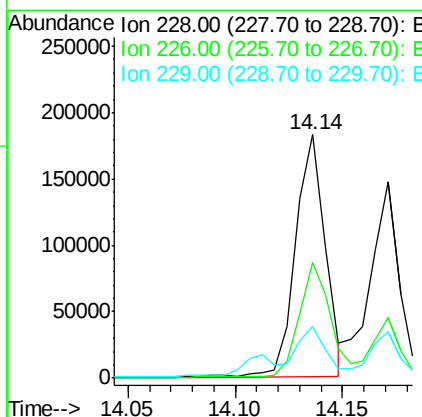
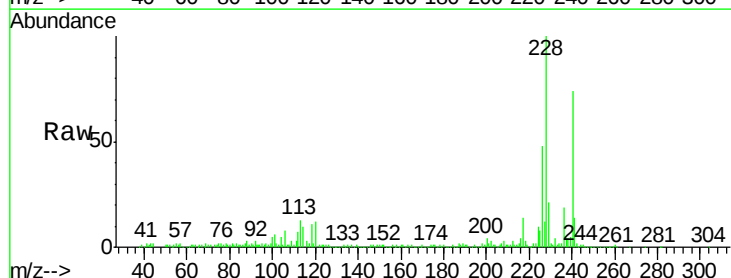
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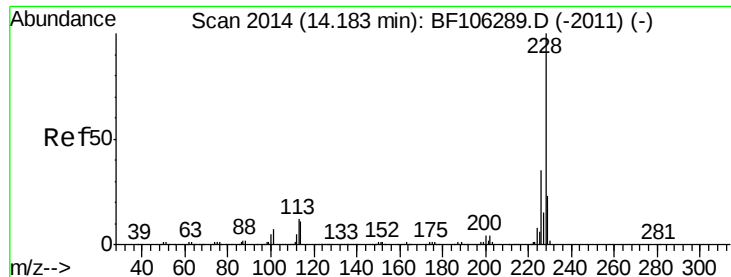


#80
 Benzo(a)anthracene
 Concen: 5.375 ng m
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF106312.D
 Acq: 11 Jun 2018 23:09

Tgt Ion:228 Resp: 173257

Ion	Ratio	Lower	Upper
228	100		
226	47.6	22.6	33.8#
229	21.0	15.8	23.6





#82

Chrysene

Concen: 4.683 ng/mL

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106312.D

Acq: 11 Jun 2018 23:09

Instrument :

BNA_F

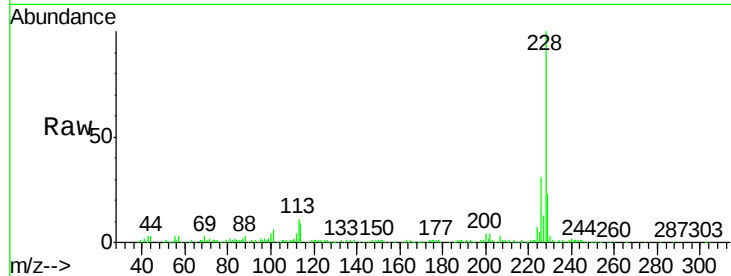
ClientSampled :

B-9-10

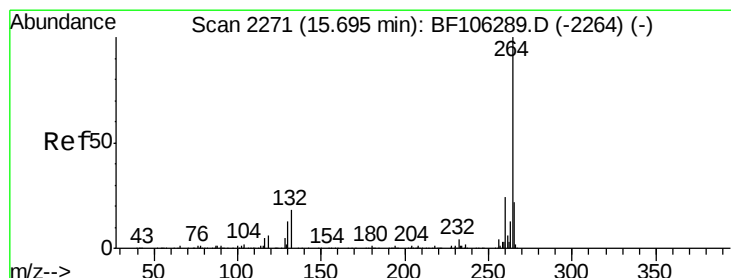
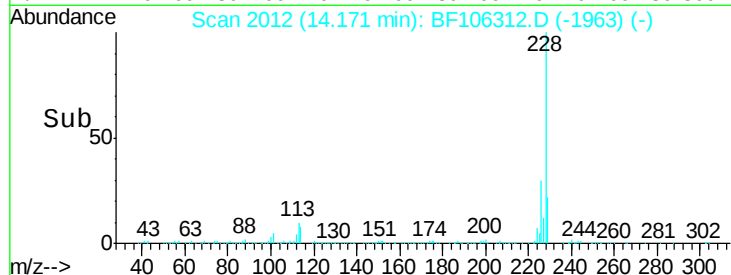
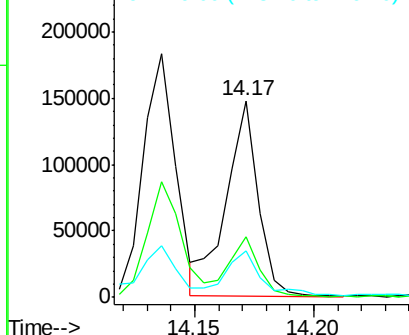
Tot Ion:	228	Resp:	137820
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	23.5	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng/mL

RT: 15.68 min Scan# 2268

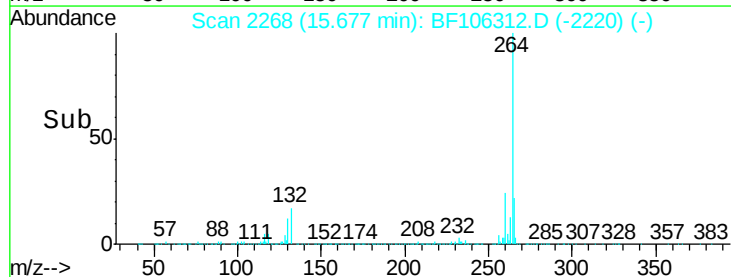
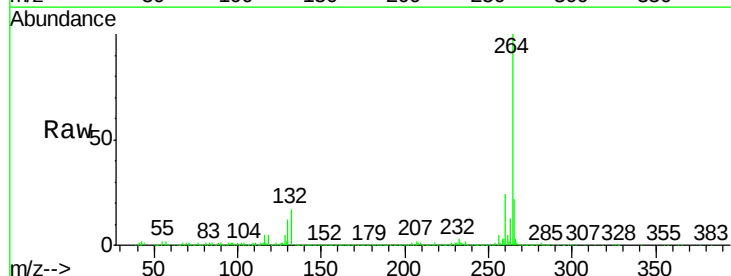
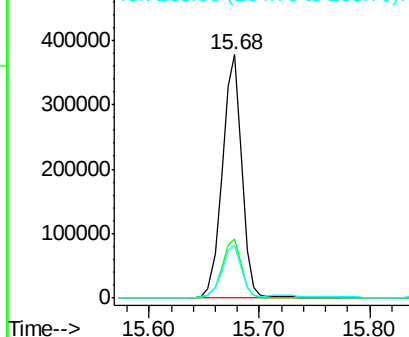
Delta R.T. -0.02 min

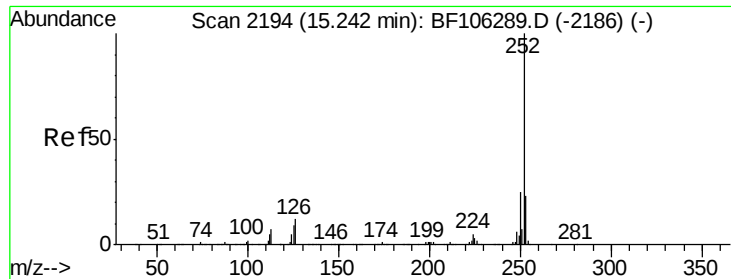
Lab File: BF106312.D

Acq: 11 Jun 2018 23:09

Tgt Ion:	264	Resp:	467214
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	21.9	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





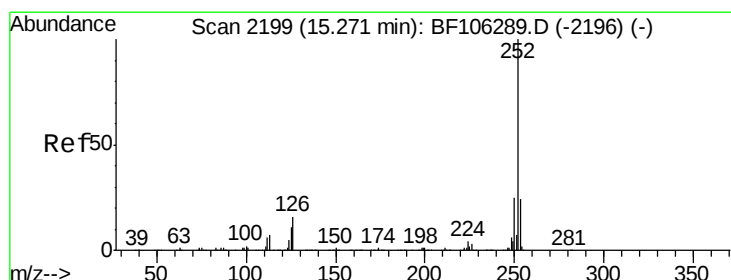
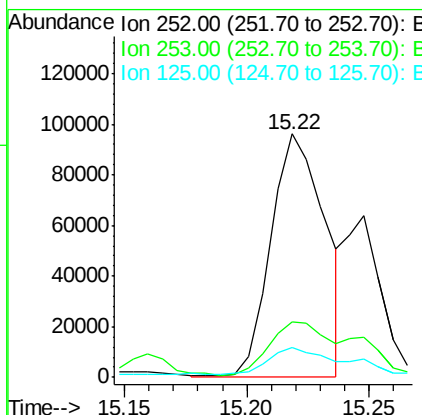
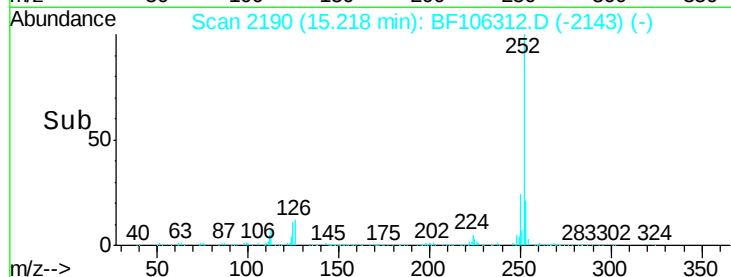
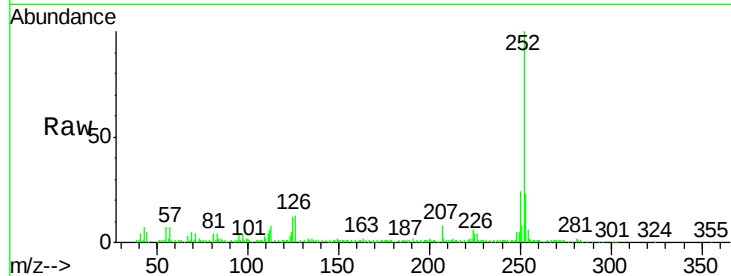
#87
Benzo(b)fluoranthene
Concen: 5.241 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF106312.D
Acq: 11 Jun 2018 23:09

Instrument :
BNA_F
ClientSampleId :
B-9-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	12.3	9.0	13.6

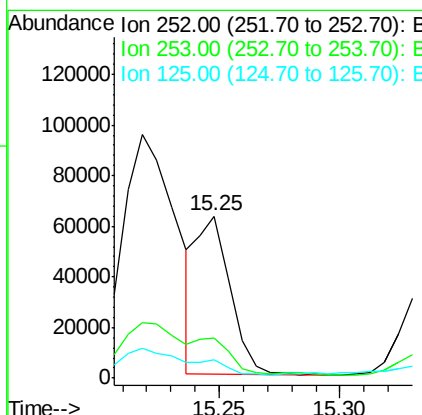
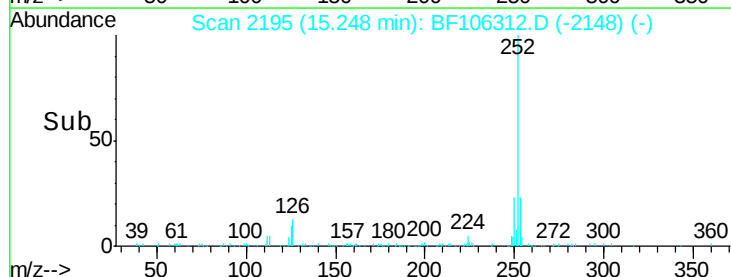
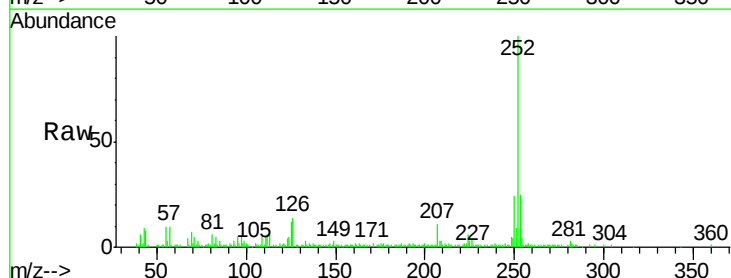
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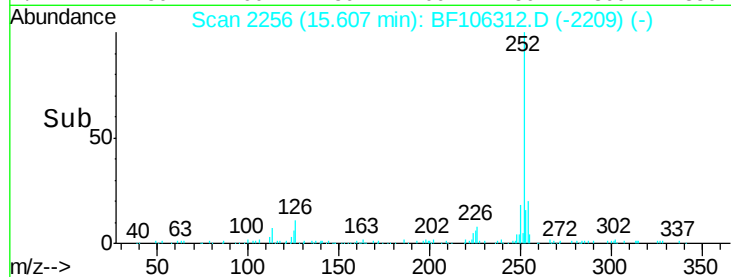
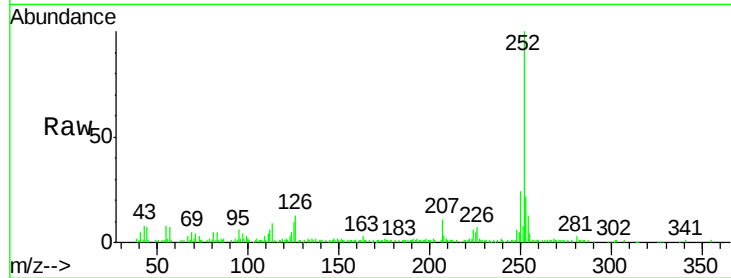
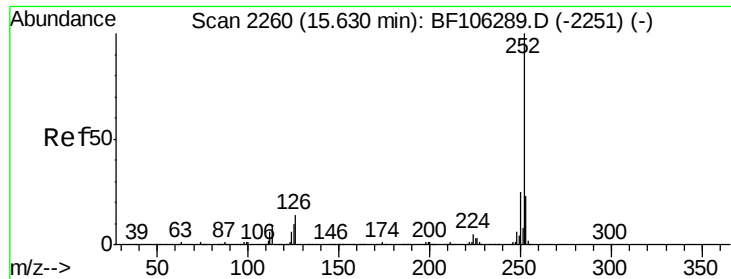
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#88
Benzo(k)fluoranthene
Concen: 2.183 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF106312.D
Acq: 11 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	11.7	10.2	15.2





#89

Benzo(a)pyrene

Concen: 3.589 ng

RT: 15.61 min Scan# 2256

Delta R.T. -0.02 min

Lab File: BF106312.D

Acq: 11 Jun 2018 23:09

Instrument :

BNA_F

ClientSampleId :

B-9-10

Tot Ion:	252	Resp:	91174
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.1	25.7
125	9.7	9.8	14.6

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