

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
 Data File : BF106301.D
 Acq On : 11 Jun 2018 18:15
 Operator : JU/SJ
 Sample : J3377-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-B-DB-S

Manual Integrations
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 6/12/2018 12:58:16 PM

Quant Time: Jun 12 09:07:09 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	232886	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	863369	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	417451	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	791304	20.00	ng	0.00
75) Chrysene-d12	14.15	240	552238	20.00	ng	-0.01
86) Perylene-d12	15.68	264	578826	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	1238282	89.99	ng	0.00
7) Phenol-d6	6.59	99	1539675	88.57	ng	0.00
23) Nitrobenzene-d5	7.53	82	1002879	68.33	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	434397	108.15	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1571541	60.62	ng	0.00
78) Terphenyl-d14	13.09	244	1551189	69.77	ng	0.00

Target Compounds

						Qvalue
37) 2-Methylnaphthalene	8.96	142	76041	2.861	ng	99
49) Dimethylphthalate	9.71	163	225857	7.573	ng	100
51) Acenaphthene	10.04	154	119228	4.661	ng	97
57) Fluorene	10.55	166	159787	5.855	ng	99
70) Phenanthrene	11.52	178	1231669	31.782	ng	96
71) Anthracene	11.57	178	420442	10.830	ng	99
74) Fluoranthene	12.71	202	865020	20.930	ng	97
77) Pyrene	12.95	202	1575672	45.575	ng	94
80) Benzo(a)anthracene	14.14	228	604310	18.389	ng	96
82) Chrysene	14.17	228	504167	16.803	ng	98
85) Indeno(1,2,3-cd)pyrene	17.22	276	136243	5.690	ng	# 91
87) Benzo(b)fluoranthene	15.22	252	354642m	10.136	ng	
88) Benzo(k)fluoranthene	15.25	252	93745m	2.705	ng	
89) Benzo(a)pyrene	15.61	252	415163	13.192	ng	97
91) Benzo(a,h,i)perylene	17.70	276	181358	7.112	ng	94

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

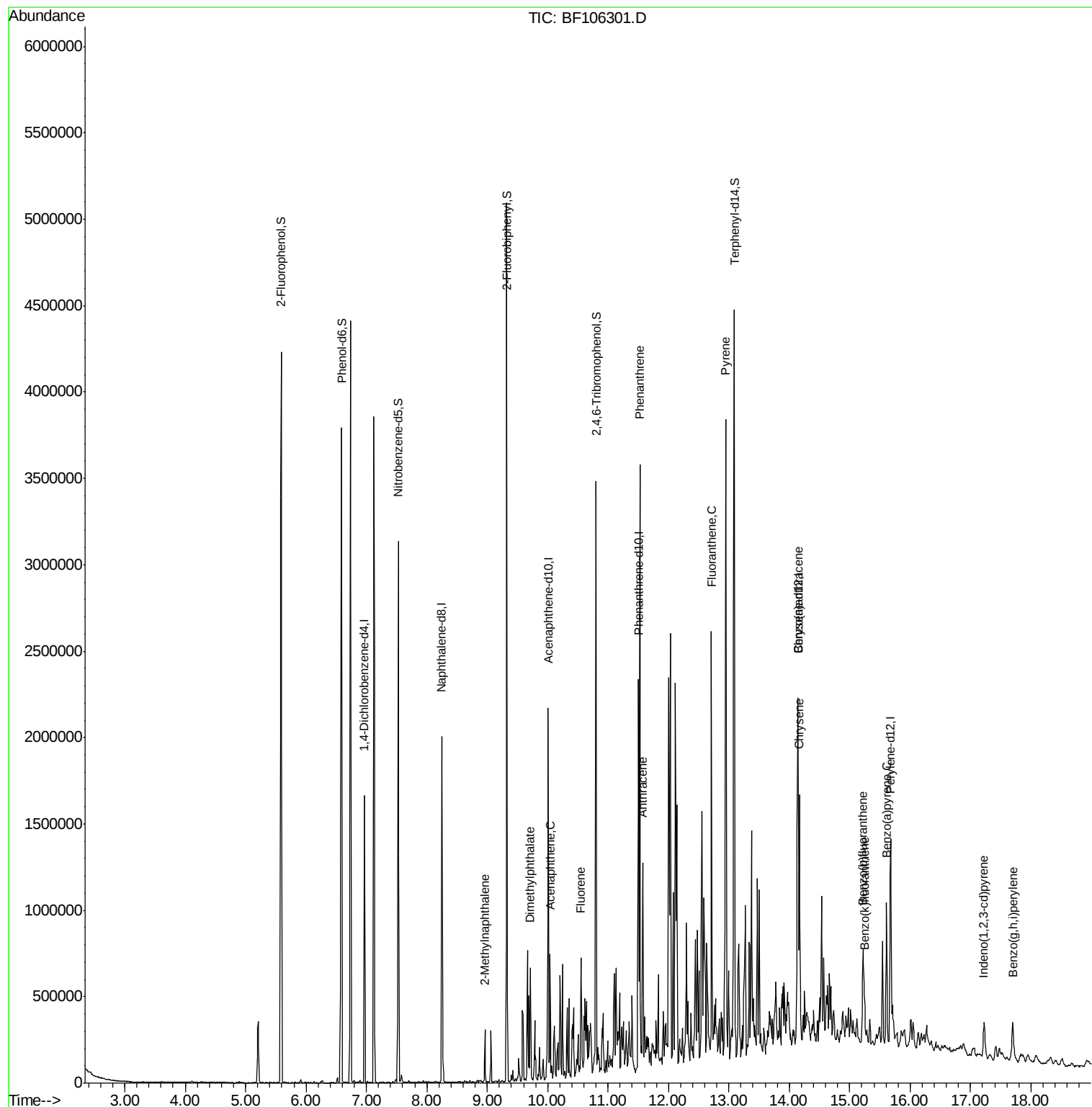
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
Data File : BF106301.D
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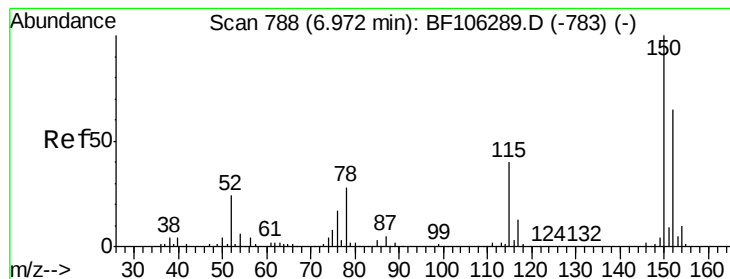
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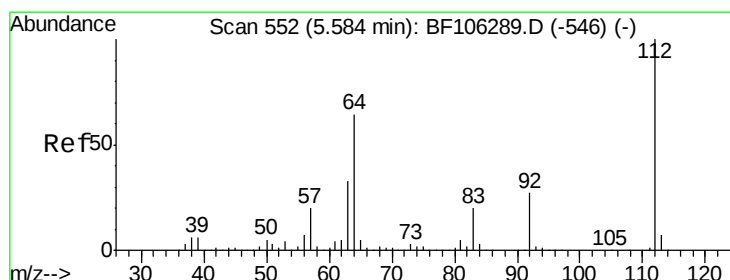
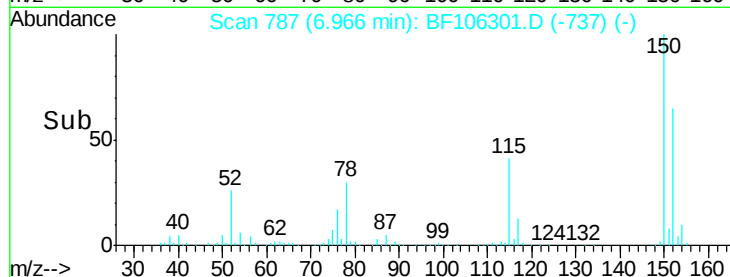
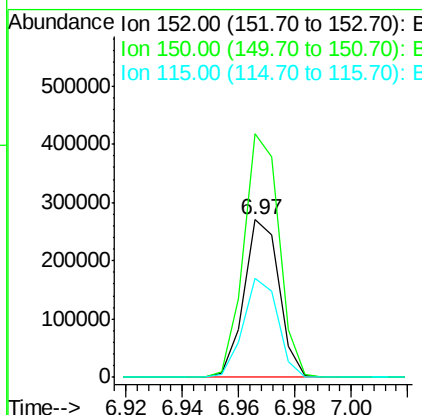
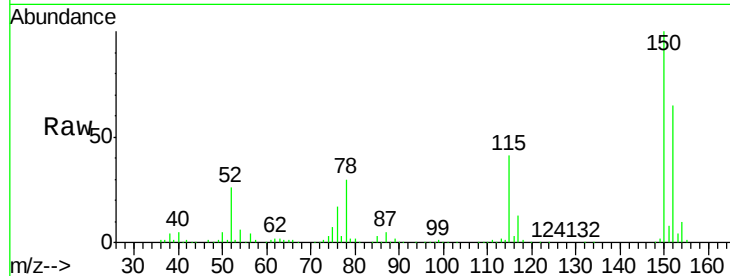
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF106301.D
 Acq: 11 Jun 2018 18:15

Instrument :
 BNA_F
 ClientSampled :
 TP-B-DB-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	63.0	50.1	75.1

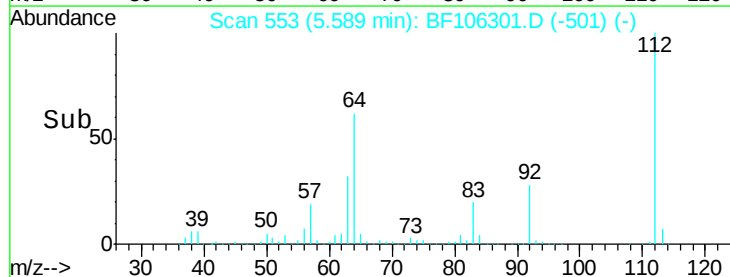
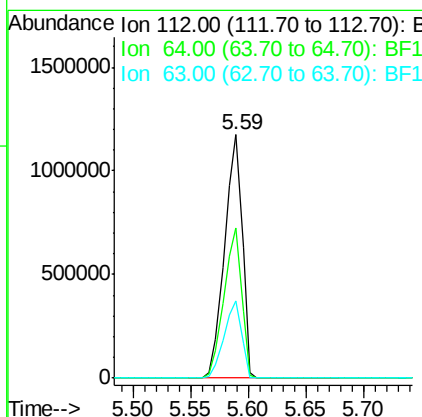
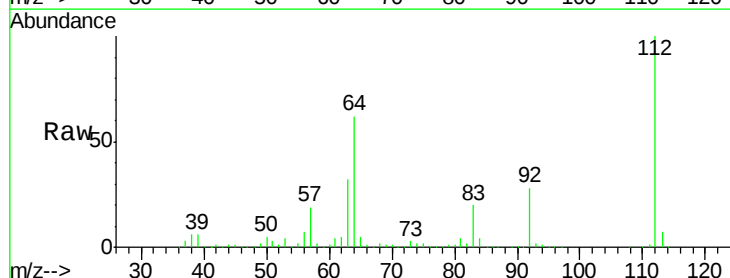
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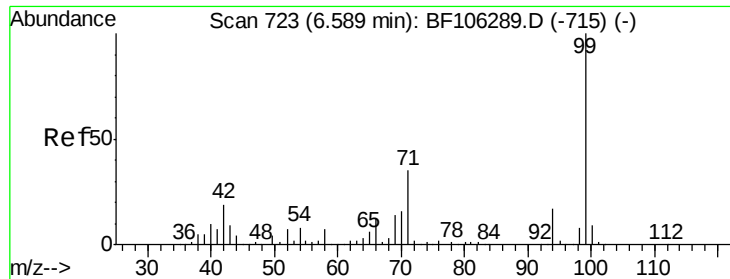
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#5
 2-Fluorophenol
 Concen: 89.992 ng
 RT: 5.59 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: BF106301.D
 Acq: 11 Jun 2018 18:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	47.9	71.9
63	31.9	23.7	35.5





#7

Phenol-d6

Concen: 88.567 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF106301.D

Acq: 11 Jun 2018 18:15

Instrument :

BNA_F

ClientSampleId :

TP-B-DB-S

Tot Ion: 99 Resp: 1539675

Ion Ratio Lower Upper

99 100

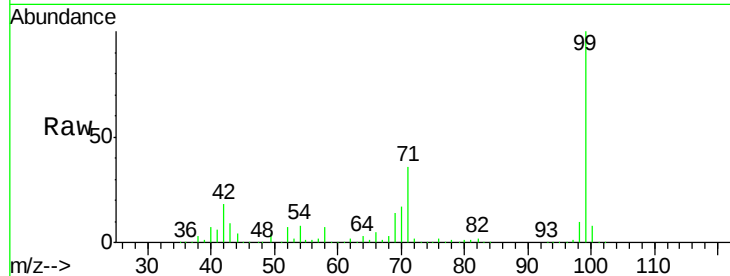
42 18.0 14.5 21.7

71 35.6 25.4 38.0

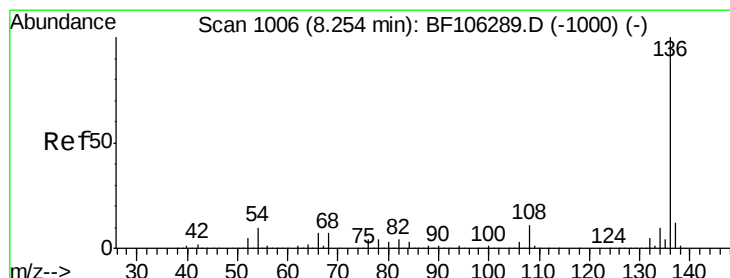
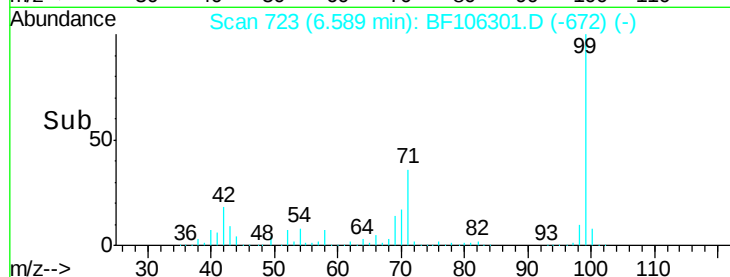
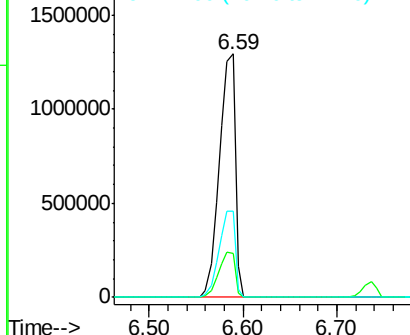
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF106301.D

Acq: 11 Jun 2018 18:15

Tgt Ion: 136 Resp: 863369

Ion Ratio Lower Upper

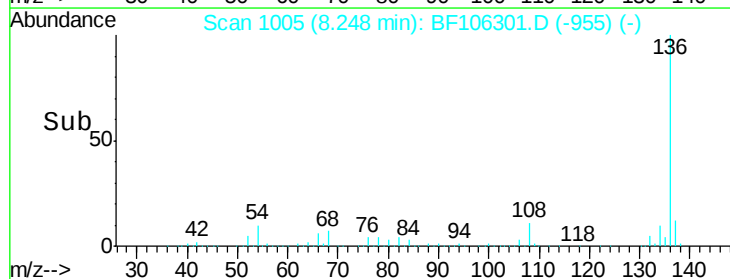
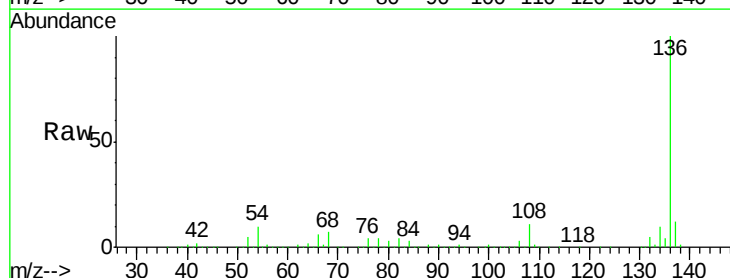
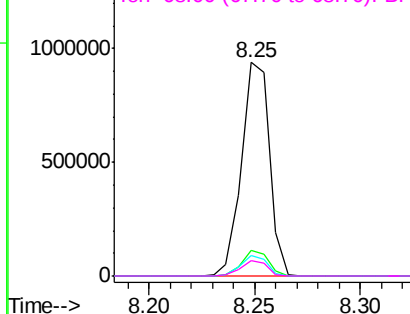
136 100

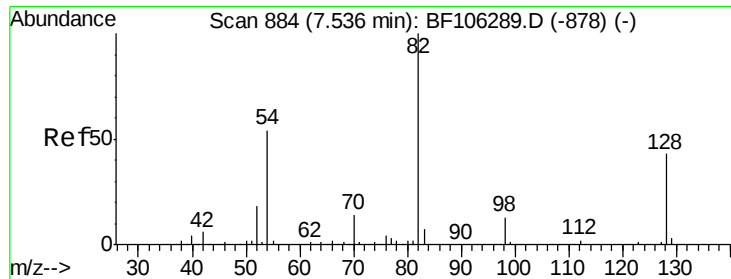
137 11.7 8.9 13.3

54 9.9 6.6 9.8#

68 7.3 5.0 7.4

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





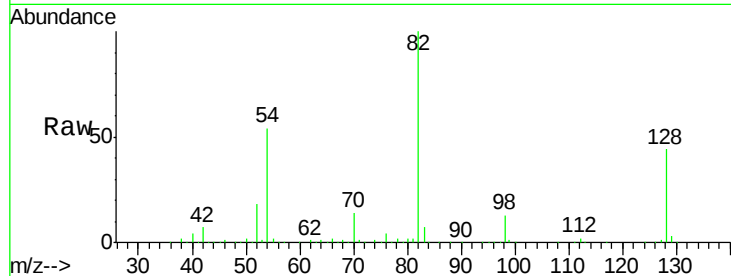
#23
Nitrobenzene-d5
Concen: 68.334 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF106301.D
Acq: 11 Jun 2018 18:15

Instrument :
BNA_F
ClientSampled :
TP-B-DB-S

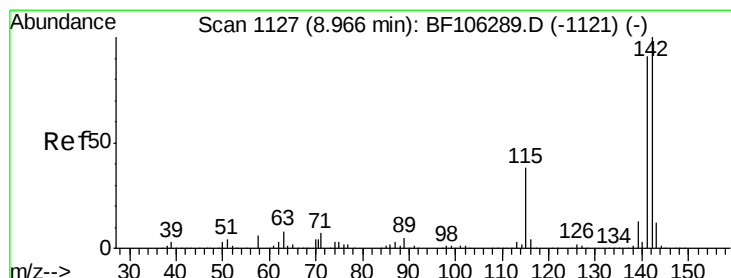
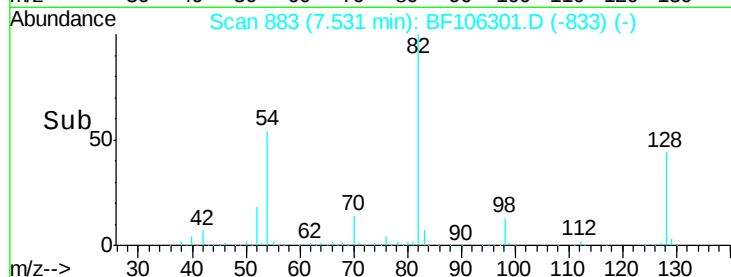
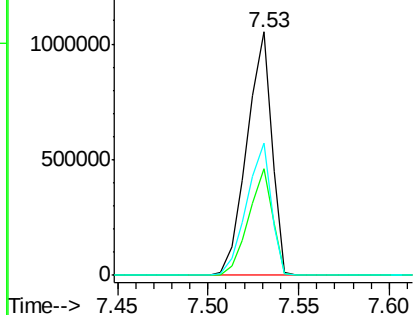
Tot Ion: 82 Resp: 1002879
Ion Ratio Lower Upper
82 100
128 44.0 36.1 54.1
54 54.2 41.4 62.2

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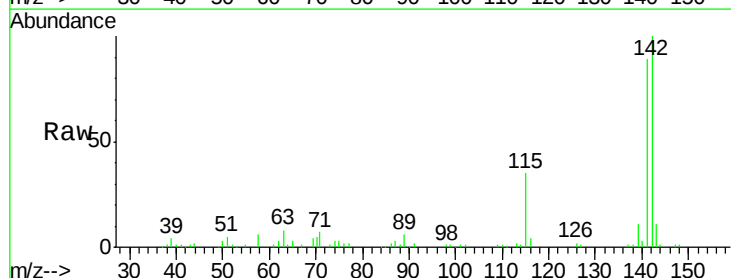


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

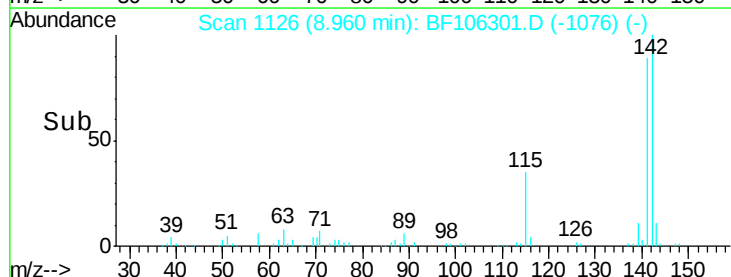
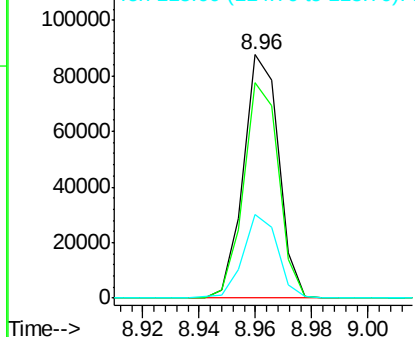


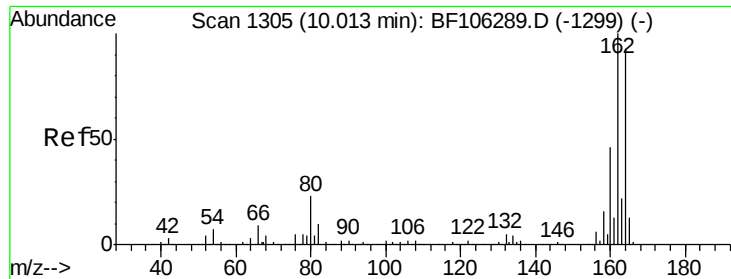
#37
2-Methylnaphthalene
Concen: 2.861 ng
RT: 8.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF106301.D
Acq: 11 Jun 2018 18:15

Tgt Ion: 142 Resp: 76041
Ion Ratio Lower Upper
142 100
141 88.6 70.8 106.2
115 34.5 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): BF1
Ion 141.00 (140.70 to 141.70): BF1
Ion 115.00 (114.70 to 115.70): BF1





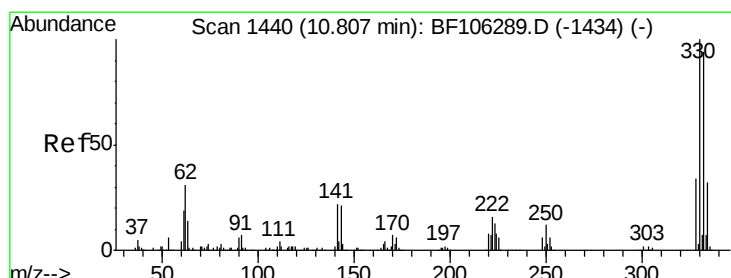
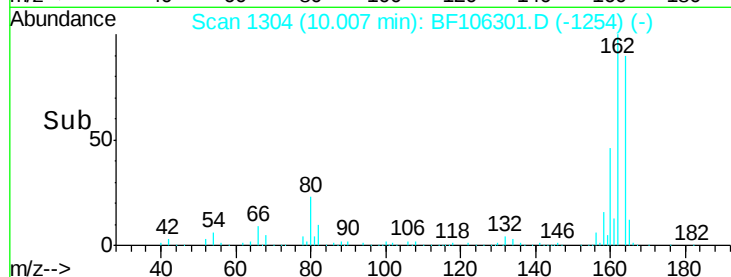
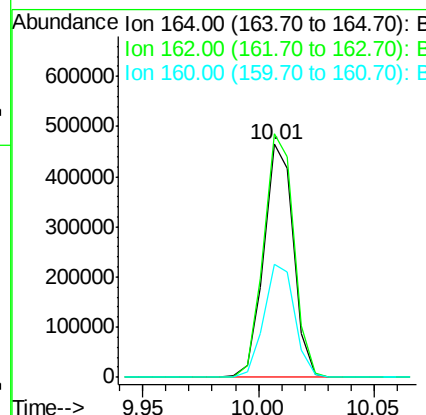
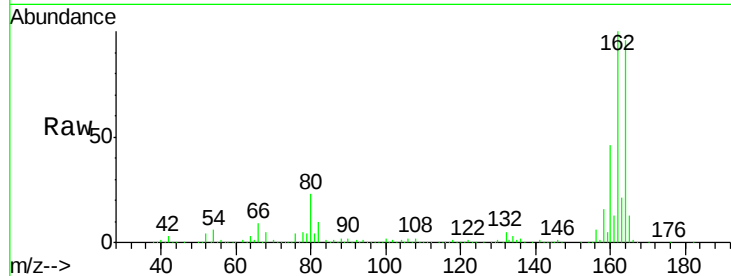
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106301.D
Acq: 11 Jun 2018 18:15

Instrument :
BNA_F
ClientSampleId :
TP-B-DB-S

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	48.3	38.3	57.5

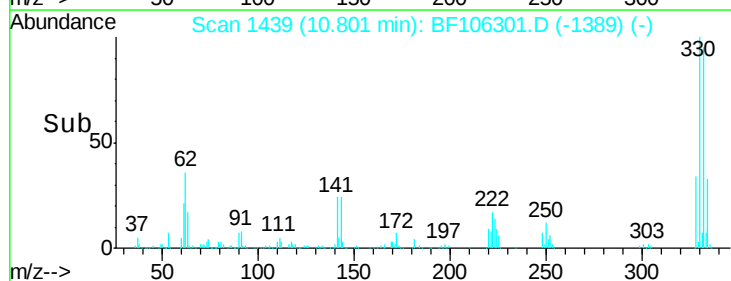
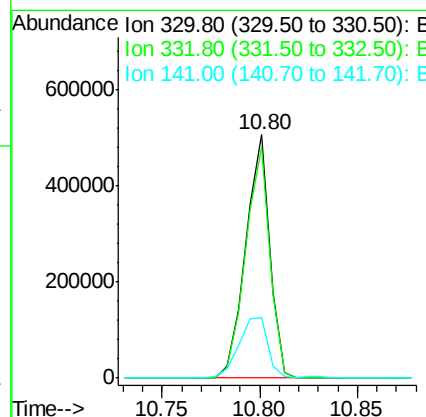
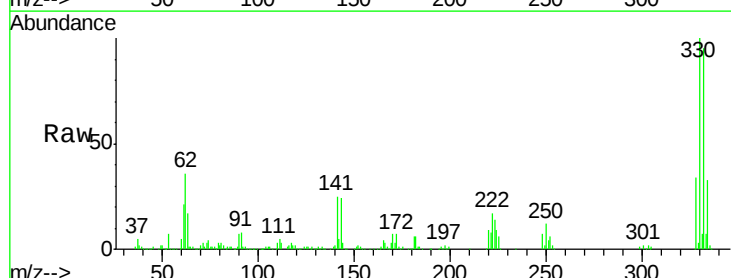
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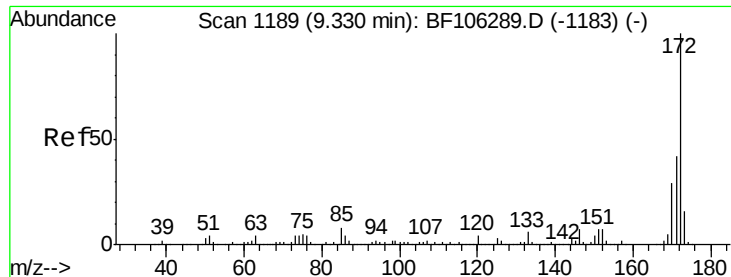
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#41
2,4,6-Tribromophenol
Concen: 108.150 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF106301.D
Acq: 11 Jun 2018 18:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	29.6	29.9	44.9#





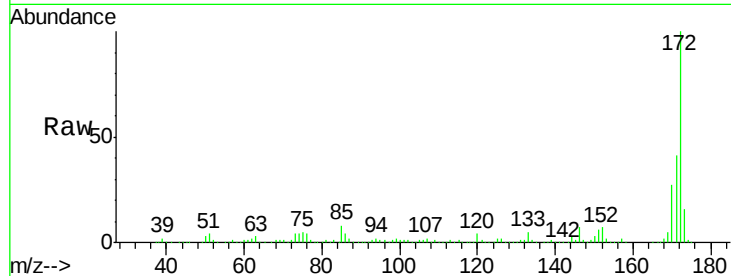
#44
2-Fluorobiphenyl
Concen: 60.622 ng
RT: 9.32 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF106301.D
Acq: 11 Jun 2018 18:15

Instrument :
BNA_F
ClientSampleId :
TP-B-DB-S

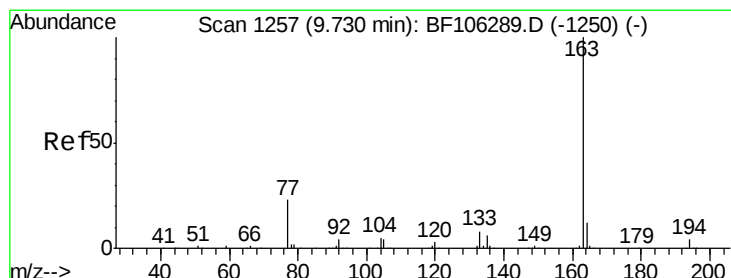
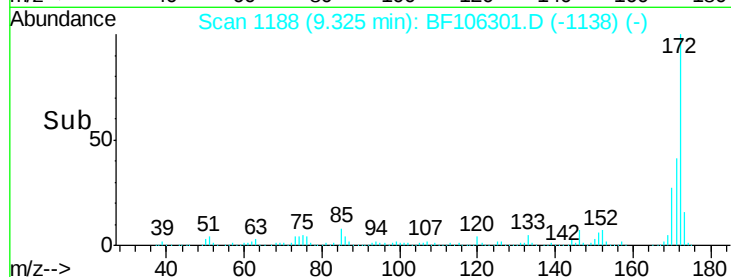
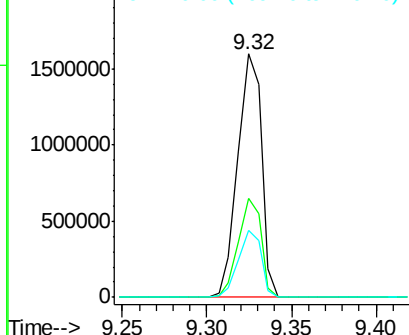
Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	40.6	29.7	44.5	
170	27.4	19.6	29.4	

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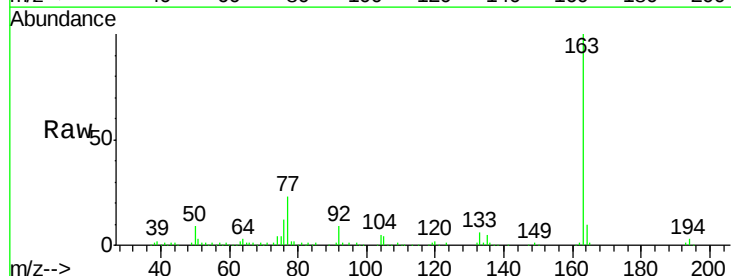


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

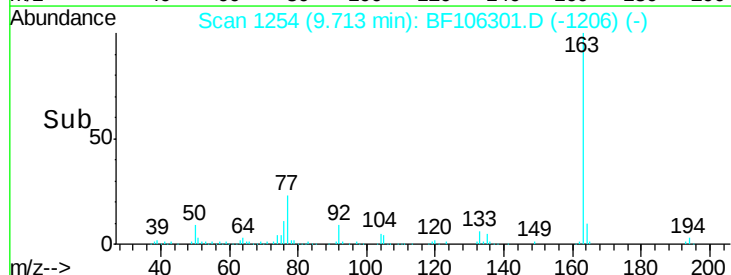
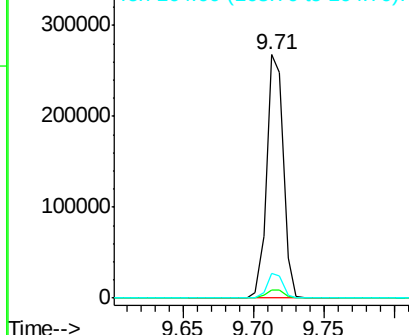


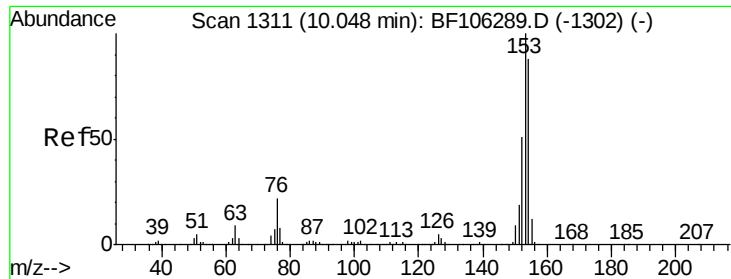
#49
Dimethylphthalate
Concen: 7.573 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF106301.D
Acq: 11 Jun 2018 18:15

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.4	2.7	4.1	
164	10.3	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





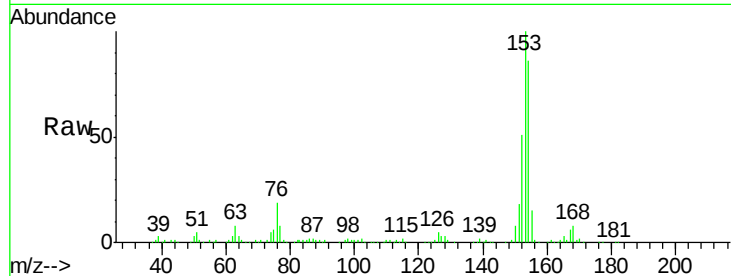
#51
Acenaphthene
Concen: 4.661 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF106301.D
Acq: 11 Jun 2018 18:15

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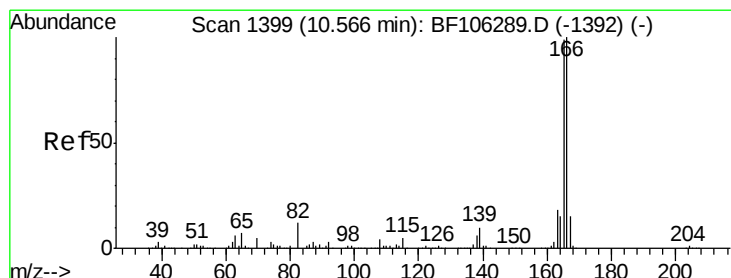
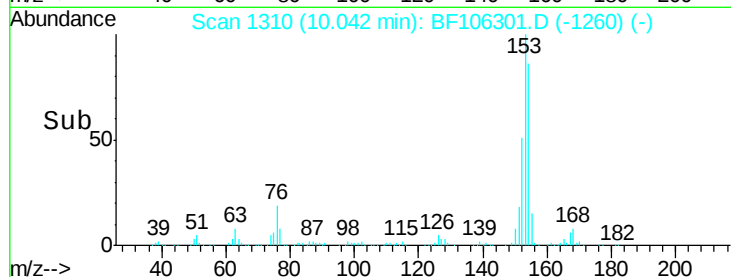
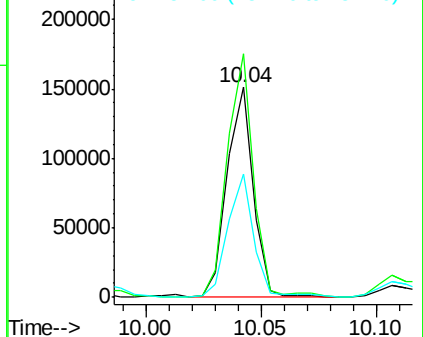
Tot Ion	Ratio	Lower	Upper
154	100		
153	116.1	91.2	136.8
152	58.8	43.8	65.8

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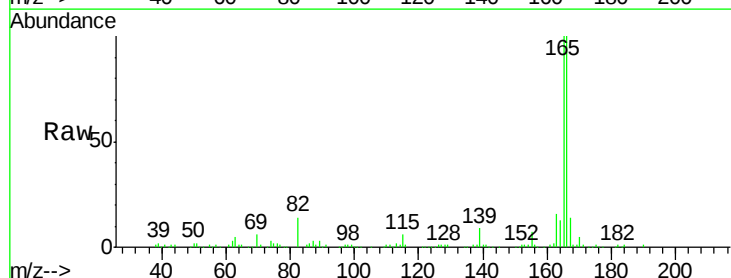


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

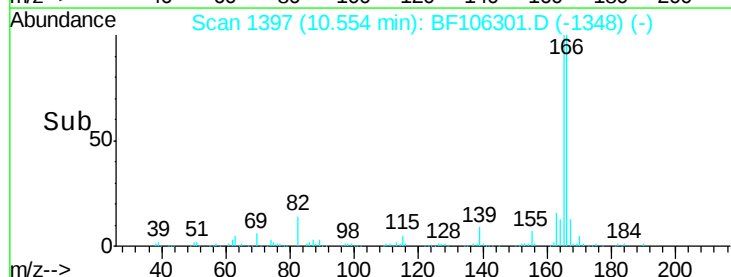
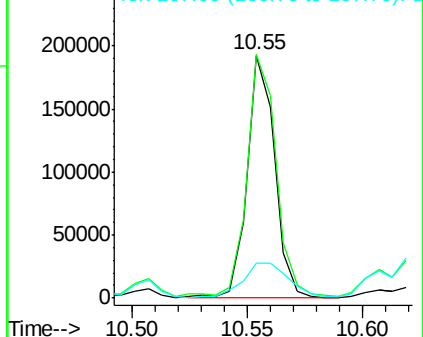


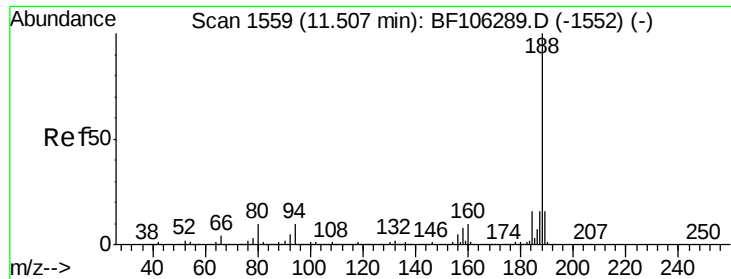
#57
Fluorene
Concen: 5.855 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF106301.D
Acq: 11 Jun 2018 18:15

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.8	119.8
167	14.3	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





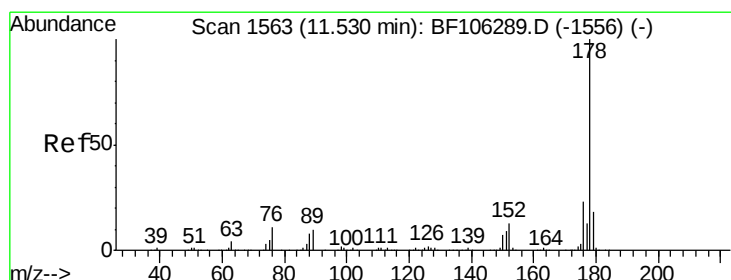
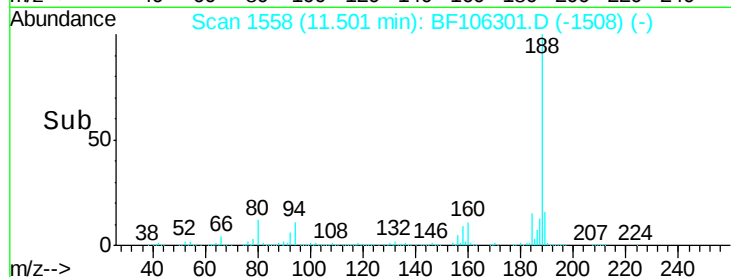
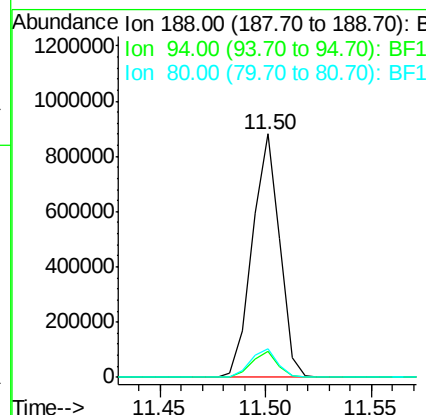
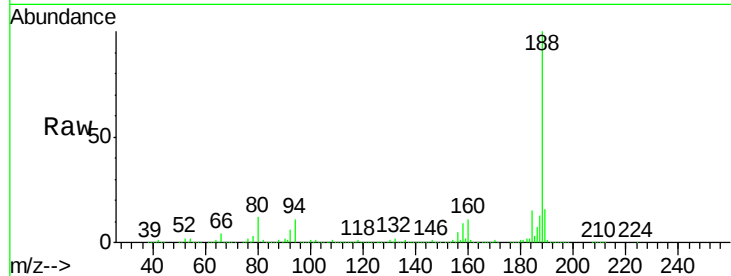
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF106301.D
Acq: 11 Jun 2018 18:15

Instrument :
BNA_F
ClientSampleId :
TP-B-DB-S

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.6	9.2	13.8

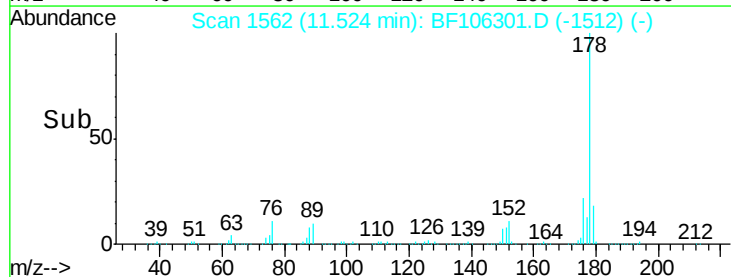
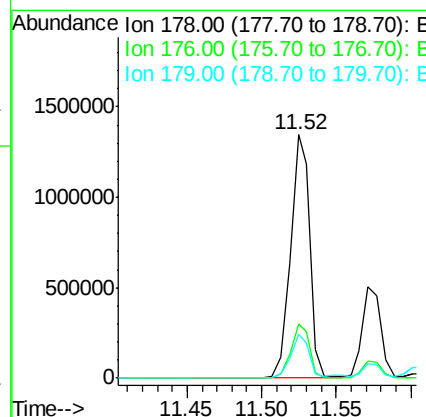
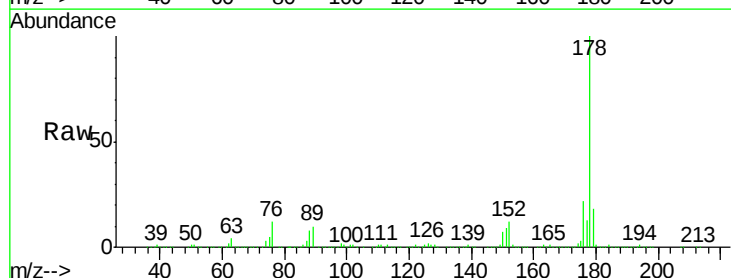
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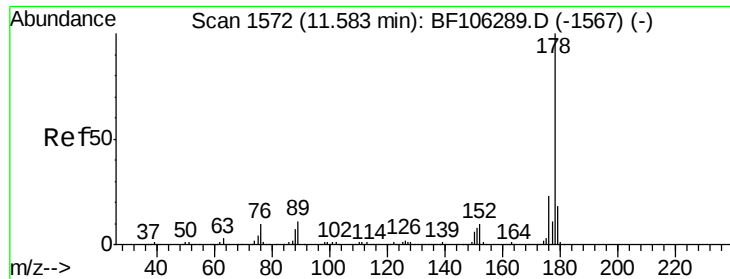
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#70
Phenanthrene
Concen: 31.782 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF106301.D
Acq: 11 Jun 2018 18:15

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	22.2	15.8	23.8
179	17.8	13.0	19.6





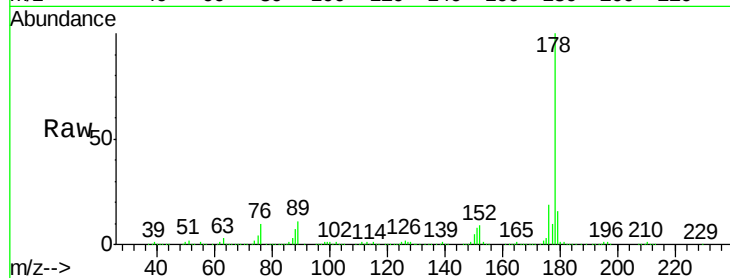
#71
 Anthracene
 Concen: 10.830 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF106301.D
 Acq: 11 Jun 2018 18:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-B-DB-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	16.2	12.6	19.0

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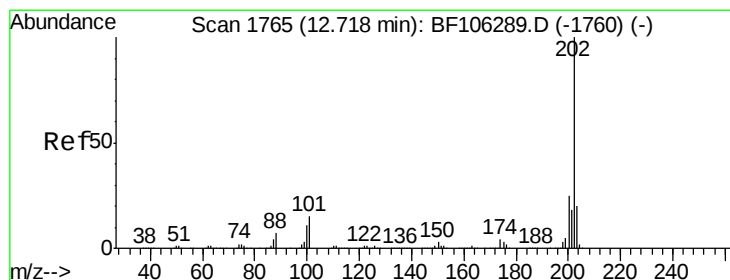
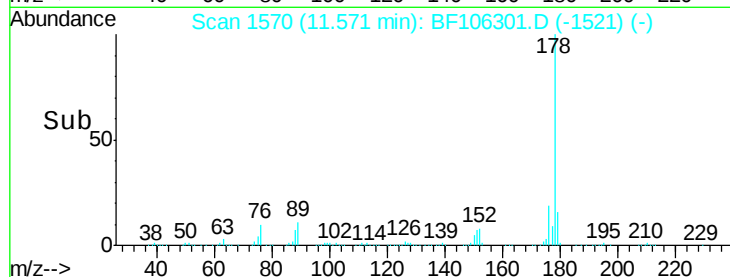
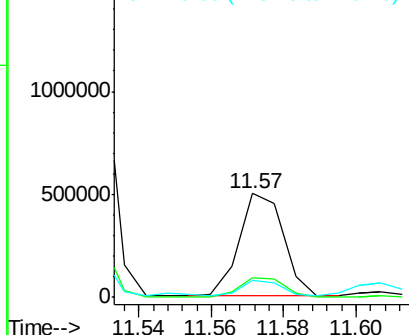


Abundance

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: 20.930 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF106301.D
 Acq: 11 Jun 2018 18:15

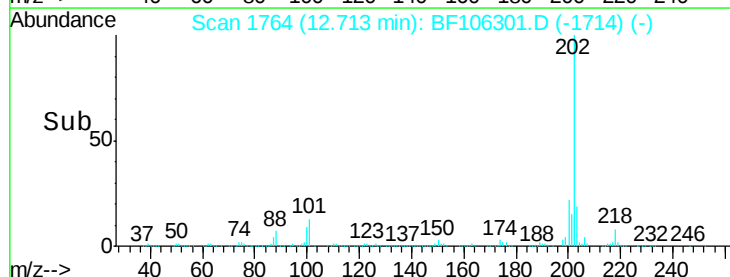
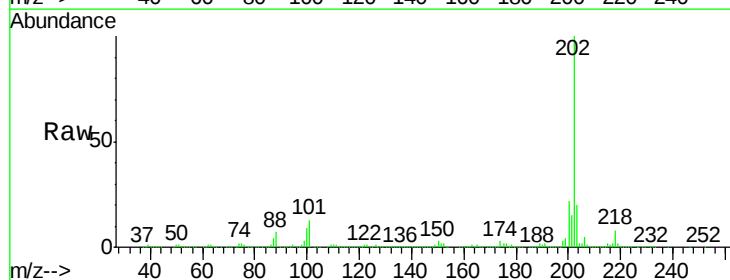
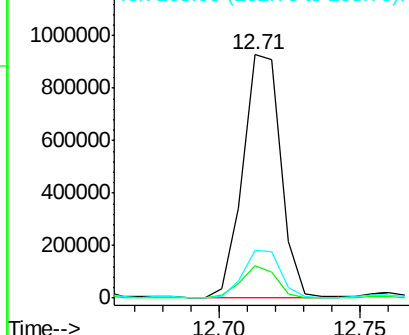
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.1
203	19.6	0.0	38.1

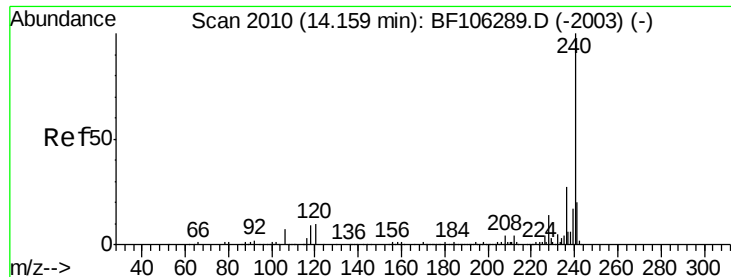
Abundance

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: BF106301.D

Acq: 11 Jun 2018 18:15

Instrument :

BNA_F

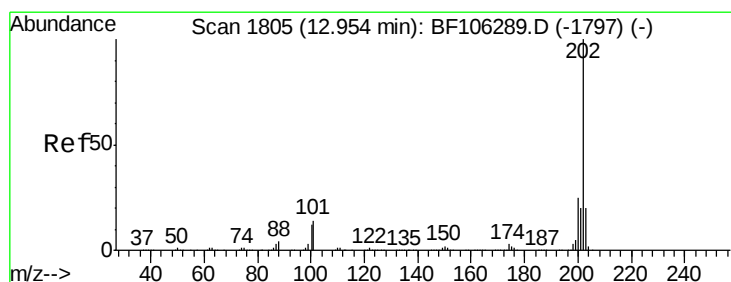
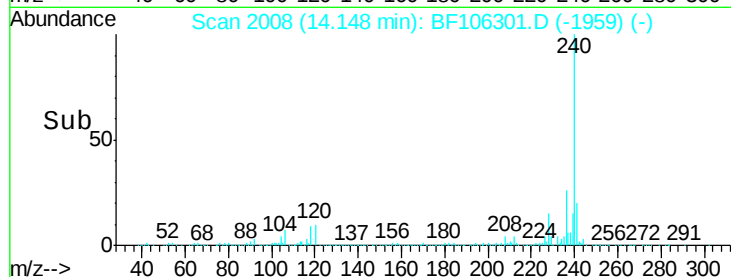
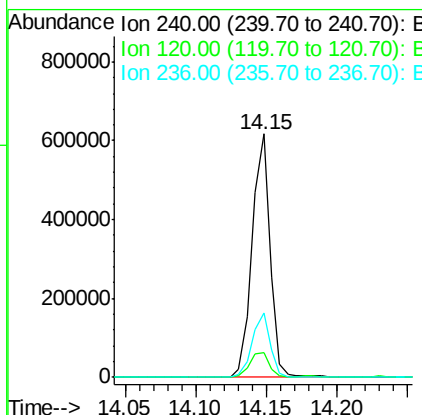
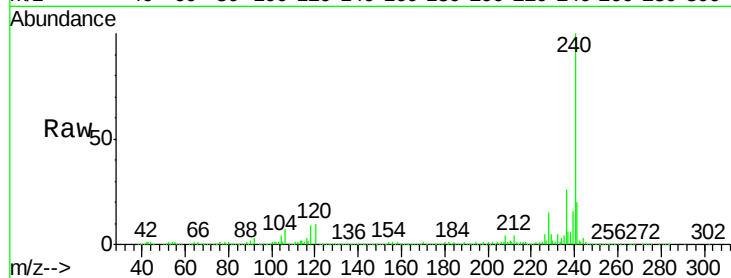
ClientSampleId :

TP-B-DB-S

Tot Ion:	240	Resp:	552238
Ion Ratio		Lower	Upper
240	100		
120	9.9	9.5	14.3
236	26.5	20.7	31.1

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#77

Pyrene

Concen: 45.575 ng

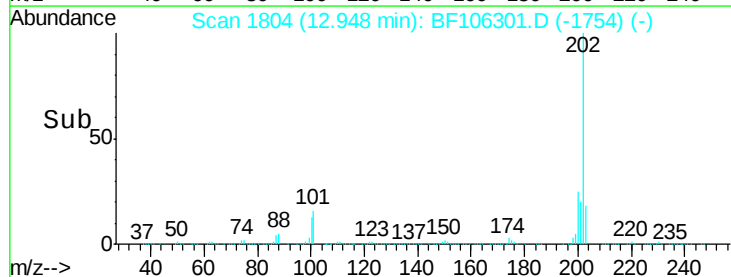
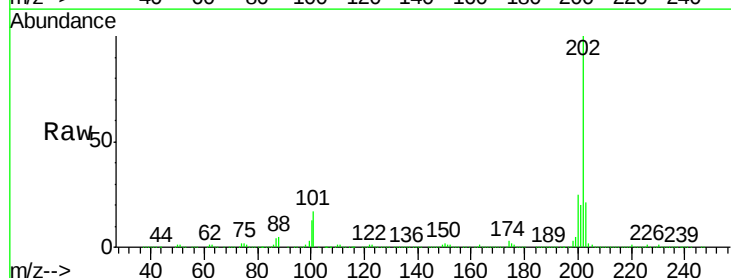
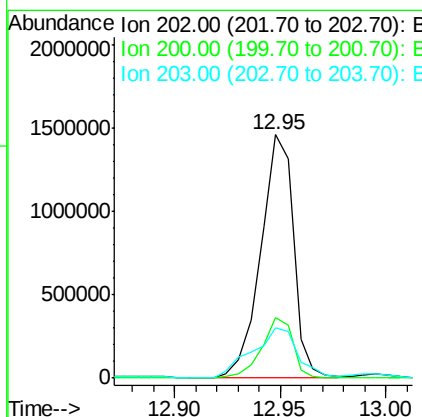
RT: 12.95 min Scan# 1804

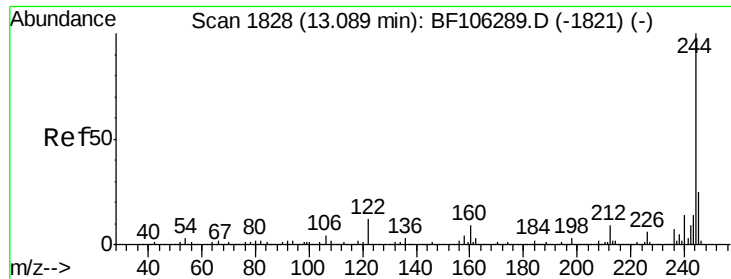
Delta R.T. -0.01 min

Lab File: BF106301.D

Acq: 11 Jun 2018 18:15

Tgt Ion:	202	Resp:	1575672
Ion Ratio		Lower	Upper
202	100		
200	24.7	17.4	26.2
203	20.6	14.3	21.5





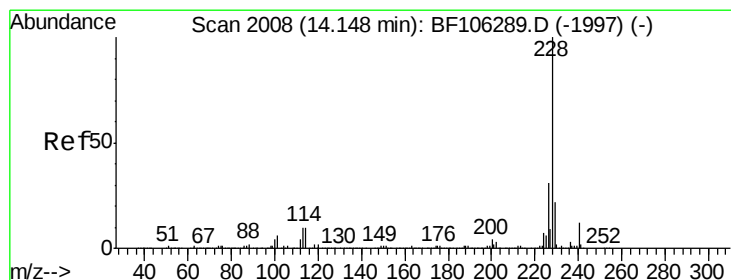
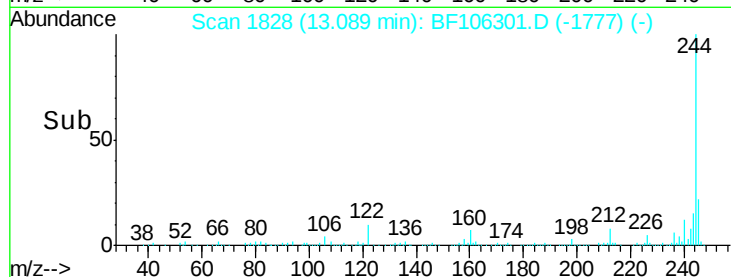
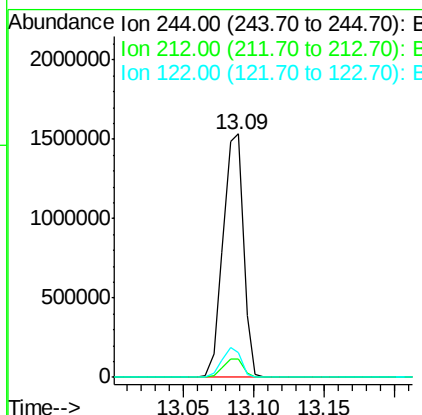
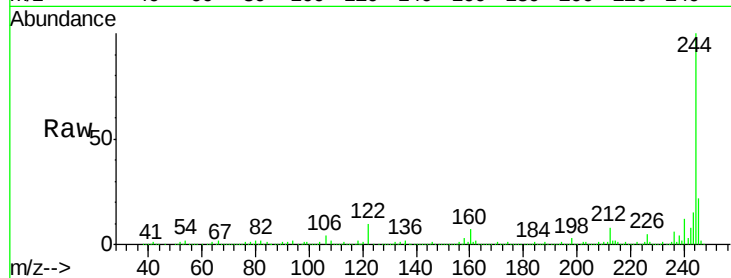
#78
 Terphenyl-d14
 Concen: 69.767 ng
 RT: 13.09 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: BF106301.D
 Acq: 11 Jun 2018 18:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-B-DB-S

Tot Ion:244 Resp: 1551189
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.4 8.0
 122 10.2 11.0 16.4#

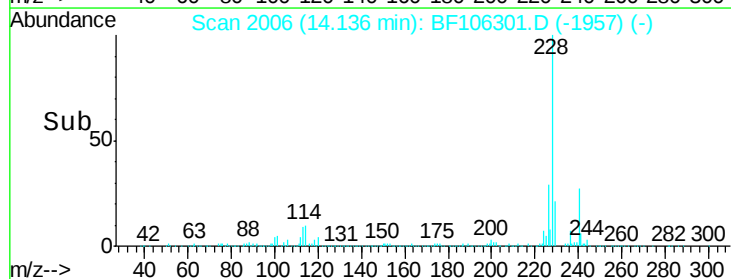
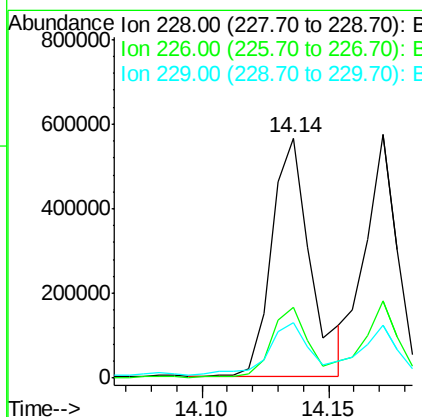
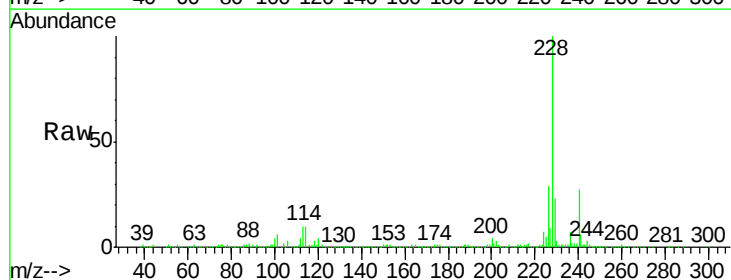
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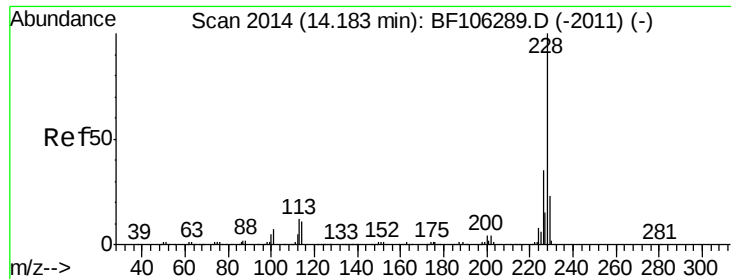
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#80
 Benzo(a)anthracene
 Concen: 18.389 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF106301.D
 Acq: 11 Jun 2018 18:15

Tgt Ion:228 Resp: 604310
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.6 33.8
 229 22.9 15.8 23.6





#82

Chrysene

Concen: 16.803 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106301.D

Acq: 11 Jun 2018 18:15

Instrument :

BNA_F

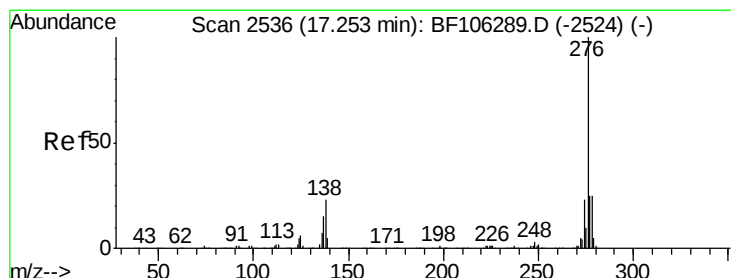
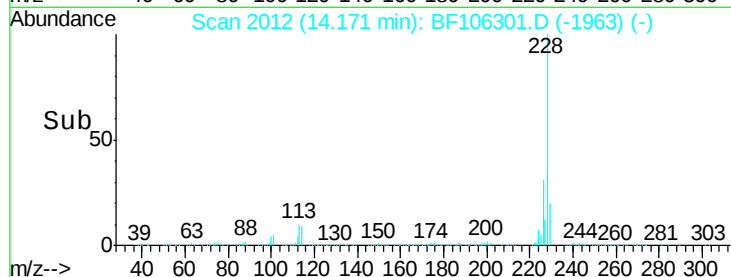
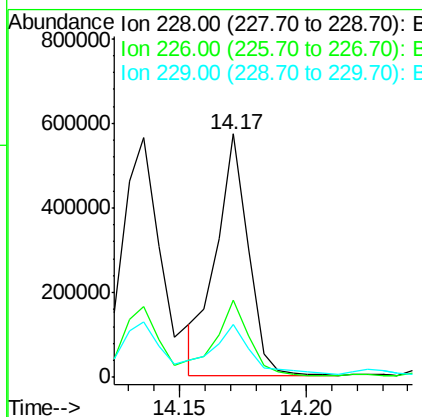
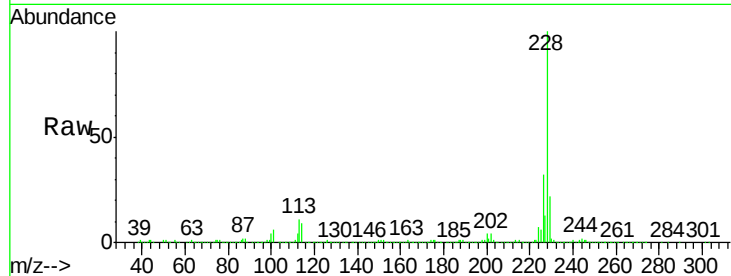
ClientSampled :

TP-B-DB-S

Tot Ion:	228	Resp:	504167
Ion Ratio	Lower	Upper	
228	100		
226	31.8	25.0	37.6
229	21.9	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.690 ng

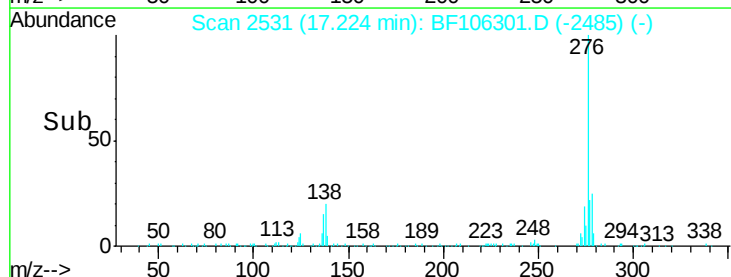
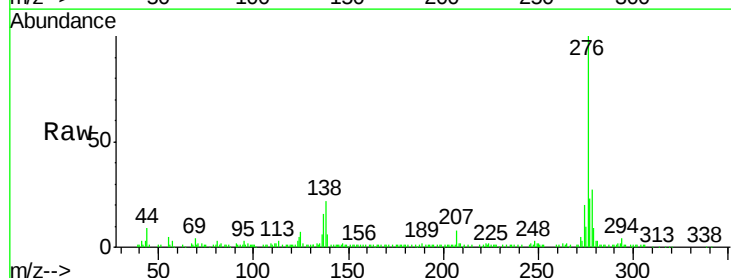
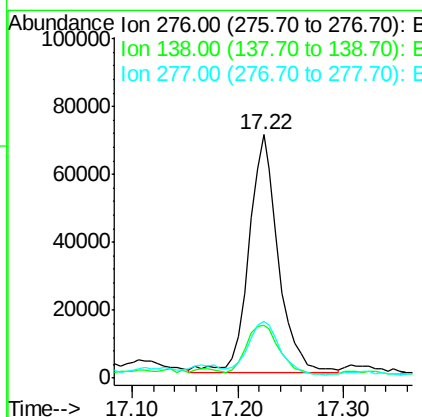
RT: 17.22 min Scan# 2531

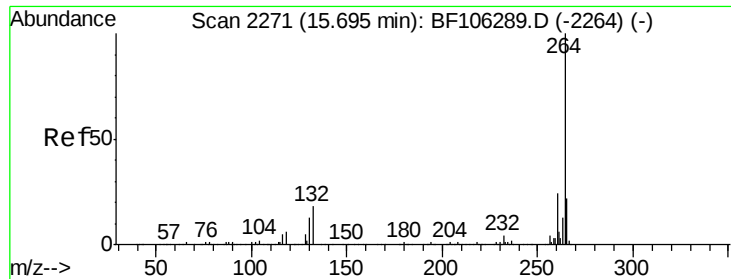
Delta R.T. -0.03 min

Lab File: BF106301.D

Acq: 11 Jun 2018 18:15

Tgt Ion:	276	Resp:	136243
Ion Ratio	Lower	Upper	
276	100		
138	22.9	25.0	37.6#
277	24.4	20.1	30.1





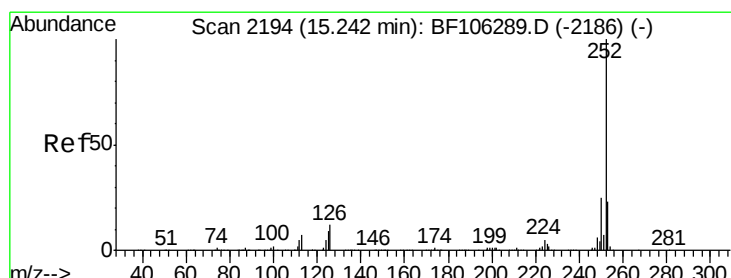
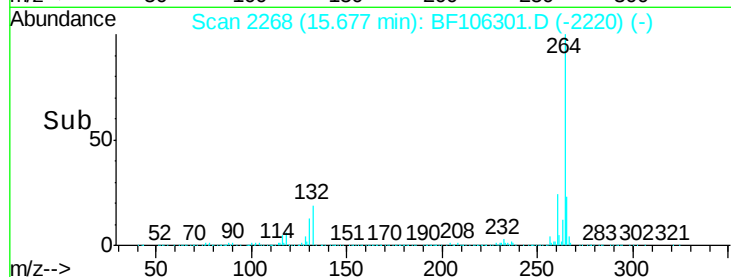
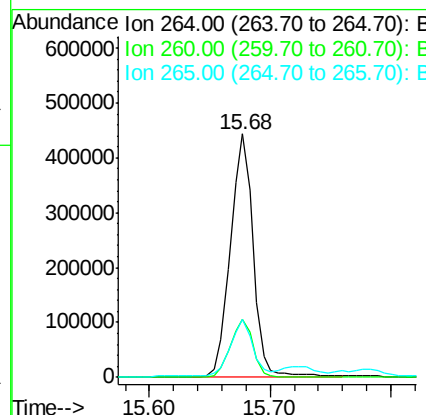
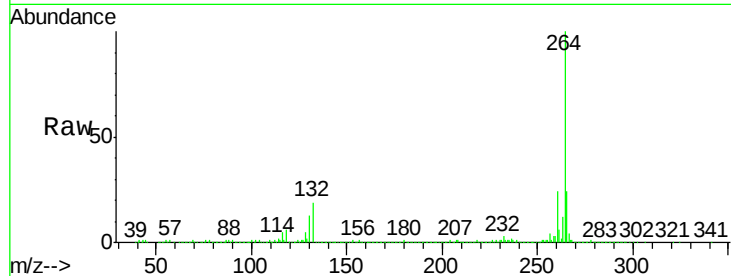
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF106301.D
Acq: 11 Jun 2018 18:15

Instrument :
BNA_F
ClientSampleId :
TP-B-DB-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	23.6	17.5	26.3

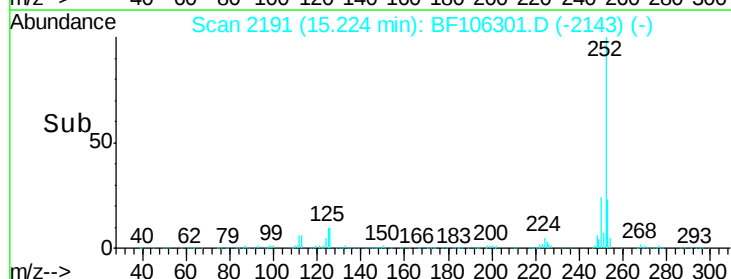
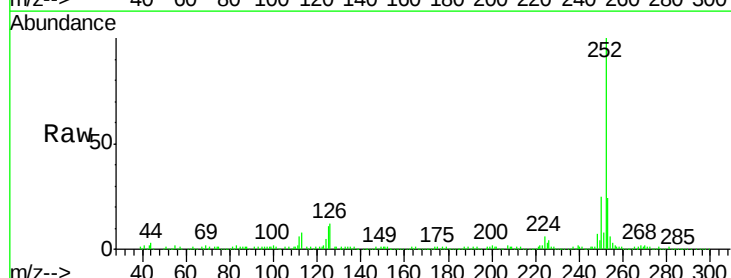
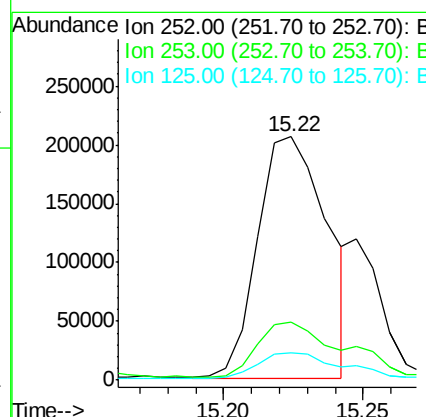
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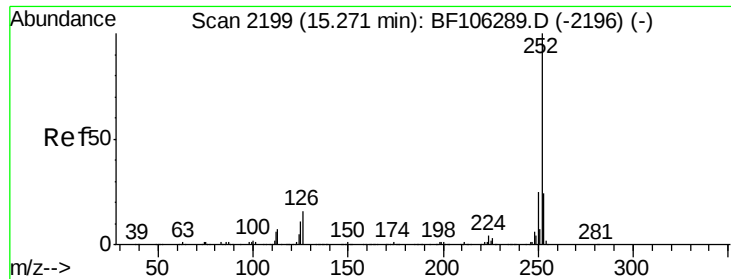
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#87
Benzo(b)fluoranthene
Concen: 10.136 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF106301.D
Acq: 11 Jun 2018 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	11.0	9.0	13.6





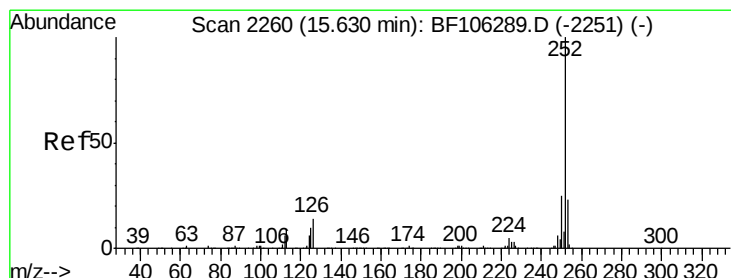
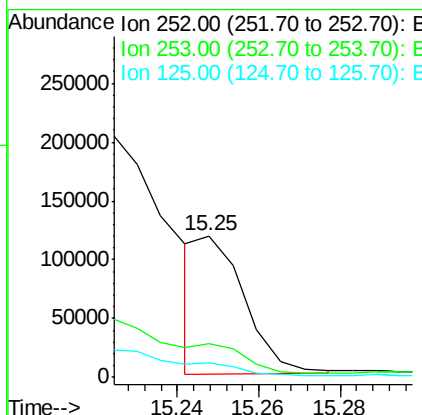
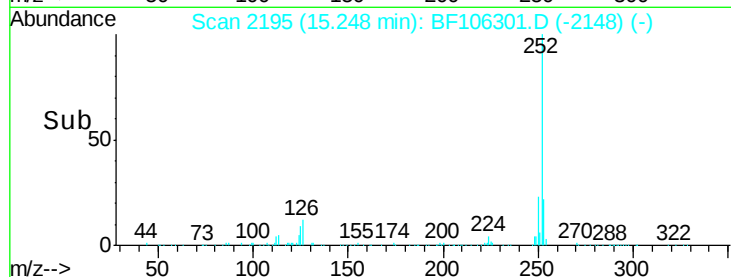
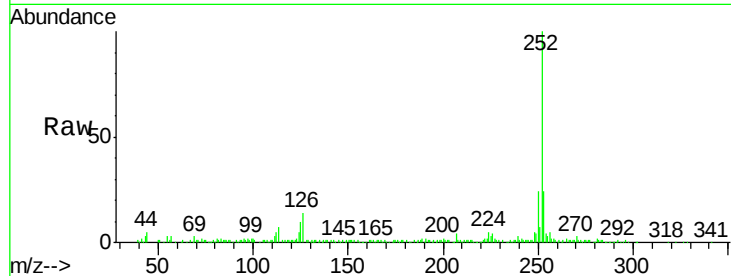
#88
Benzo(k)fluoranthene
Concen: 2.705 ng/mL
RT: 15.25 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF106301.D
Acq: 11 Jun 2018 18:15

Instrument :
BNA_F
ClientSampleID :
TP-B-DB-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	10.1	10.2	15.2

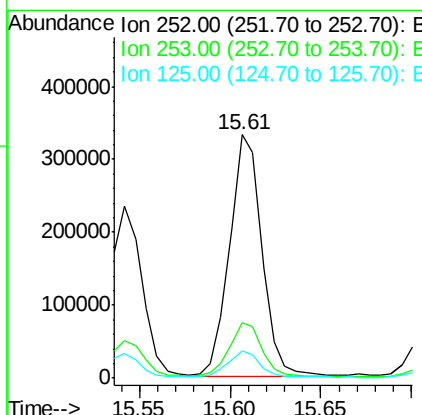
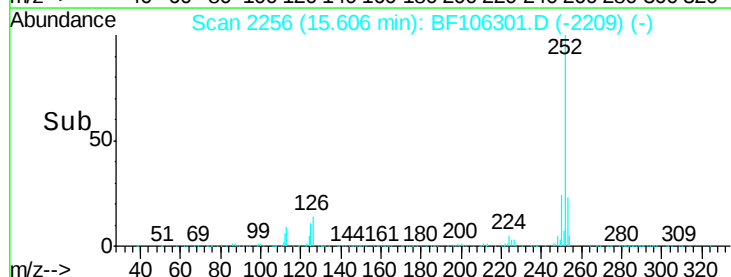
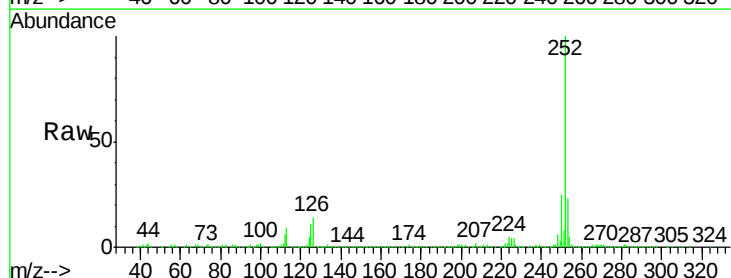
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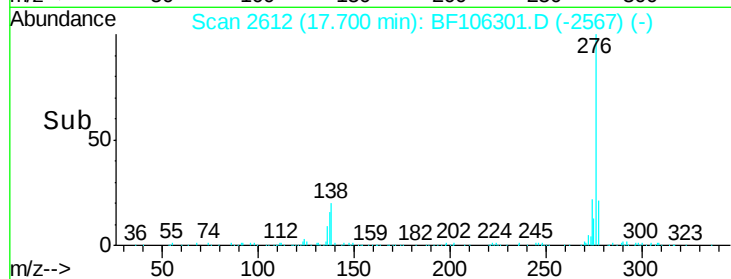
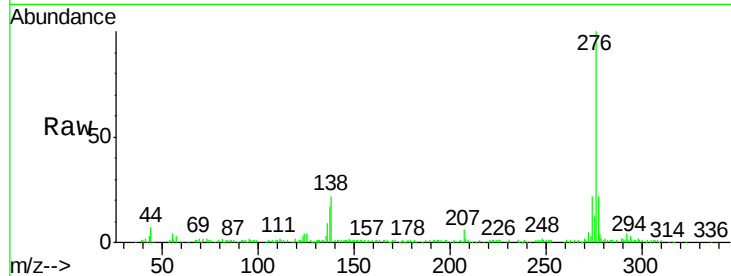
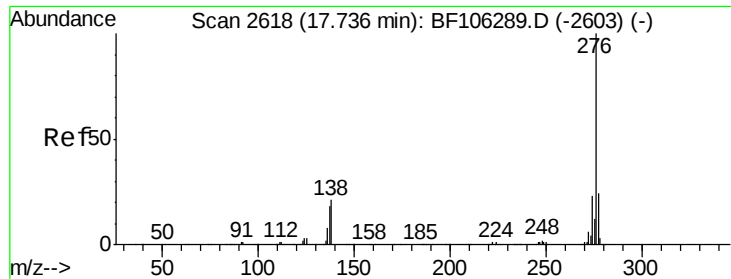
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#89
Benzo(a)pyrene
Concen: 13.192 ng/mL
RT: 15.61 min Scan# 2256
Delta R.T. -0.02 min
Lab File: BF106301.D
Acq: 11 Jun 2018 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	11.2	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 7.112 ng
 RT: 17.70 min Scan# 2612
 Delta R.T. -0.04 min
 Lab File: BF106301.D
 Acq: 11 Jun 2018 18:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-B-DB-S

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.2	17.9	26.9
138	21.9	21.8	32.8

Manual Integrations
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