

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
 Data File : BF106392.D
 Acq On : 13 Jun 2018 15:44
 Operator : JU/SJ
 Sample : J3459-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-RO-341

Manual Integrations
 APPROVED

Sohil
 6/14/2018 2:47:38 PM

Quant Time: Jun 14 03:07:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 13 10:51:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	135078	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	515706	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	254243	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	510807	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	356259	20.00	ng	-0.02
86) Perylene-d12	15.68	264	378451	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	591378	74.10	ng	-0.02
7) Phenol-d6	6.61	99	760321	75.40	ng	-0.02
23) Nitrobenzene-d5	7.52	82	461817	52.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	209072	85.47	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	841469	50.88	ng	-0.01
78) Terphenyl-d14	13.08	244	906919	63.23	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	138224	5.929	ng	99
37) 2-Methylnaphthalene	8.96	142	91520	5.764	ng	98
45) 1,1'-Biphenyl	9.42	154	58022	2.946	ng	95
49) Dimethylphthalate	9.71	163	84467	4.650	ng	99
51) Acenaphthene	10.04	154	257791	16.549	ng	97
54) Dibenzofuran	10.21	168	299870	14.295	ng	99
57) Fluorene	10.55	166	244538	14.714	ng	99
70) Phenanthrene	11.52	178	627608	25.088	ng	98
71) Anthracene	11.57	178	56397	2.250	ng	98
72) Carbazole	11.72	167	210289	9.089	ng	98
74) Fluoranthene	12.71	202	341696	12.808	ng	96
77) Pvrene	12.94	202	237430	10.645	ng	99
80) Benzo(a)anthracene	14.14	228	48622	2.293	ng	93
82) Chrysene	14.17	228	51696	2.671	ng	95
87) Benzo(b)fluoranthene	15.22	252	53720m	2.348	ng	

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

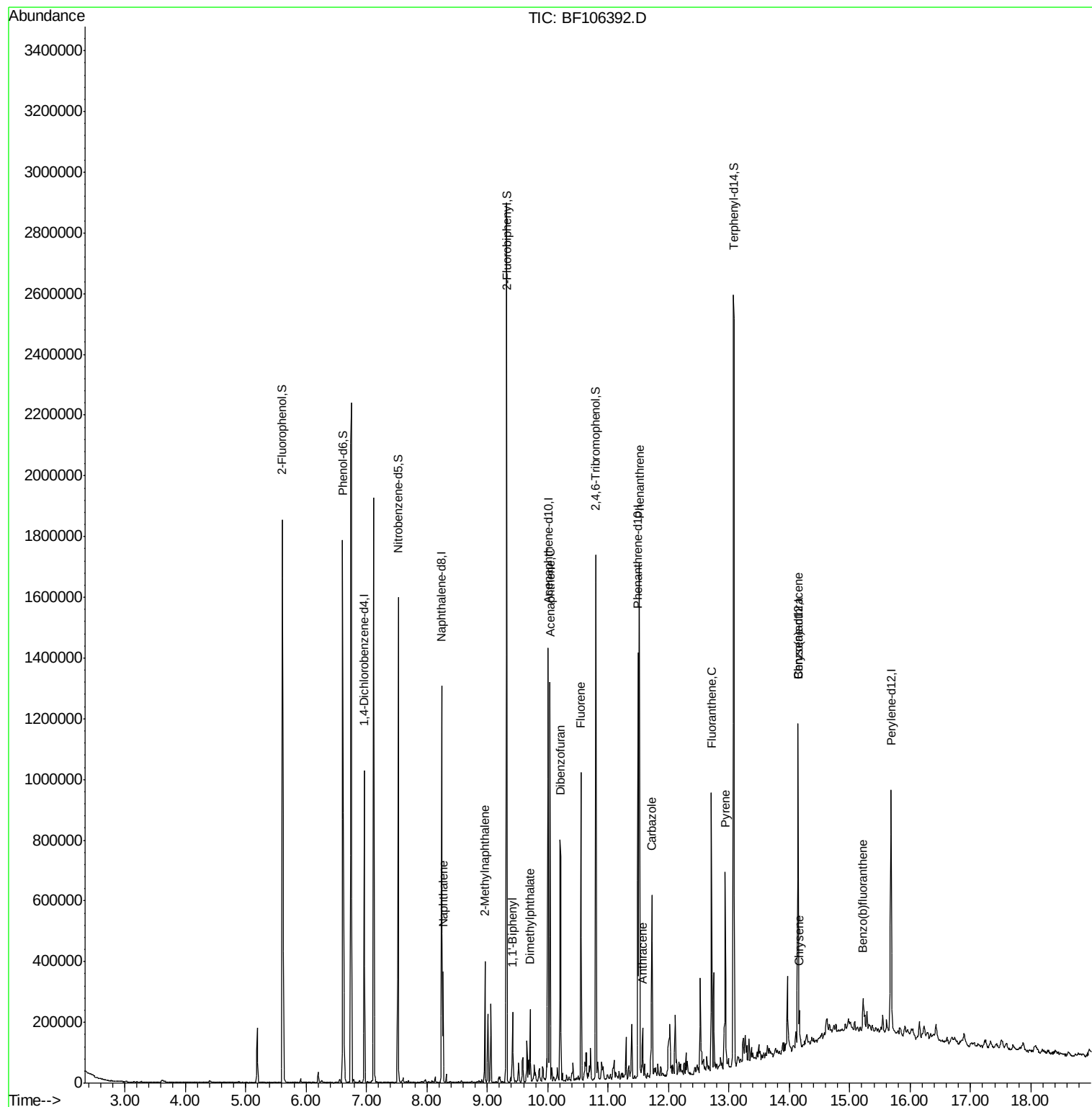
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
Data File : BF106392.D
Acq On : 13 Jun 2018 15:44
Operator : JU/SJ
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ALS Vial : 7 Sample Multiplier: 1

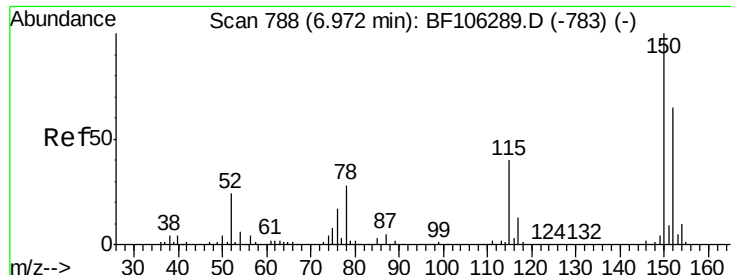
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#1

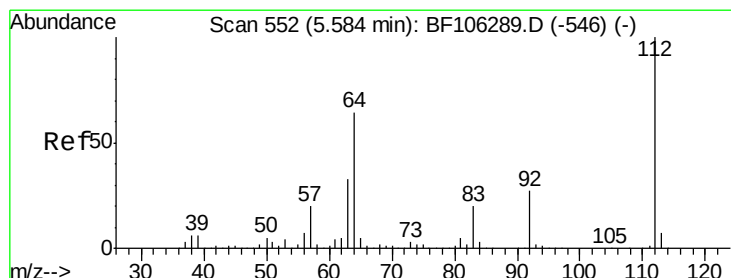
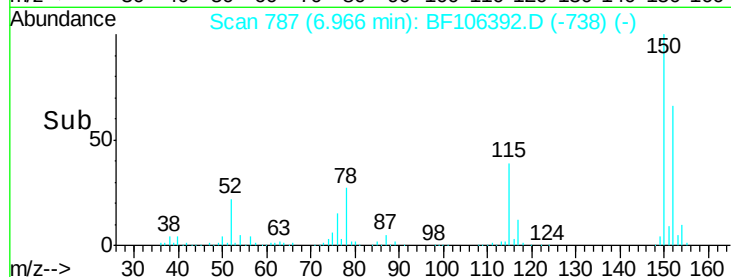
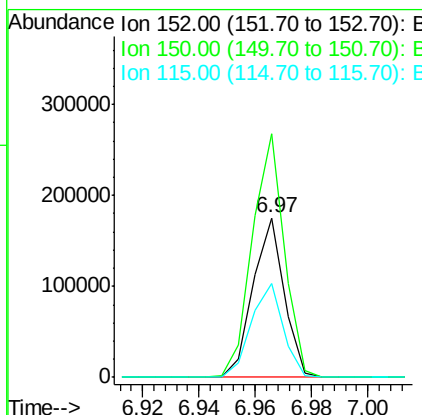
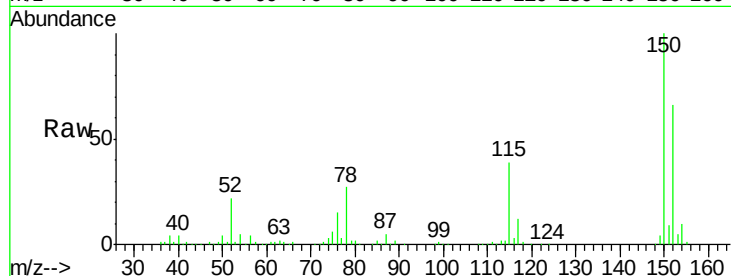
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106392.D
Acq: 13 Jun 2018 15:44

Instrument :
BNA_F
ClientSampleId :
MH-RO-341

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	59.1	50.1	75.1

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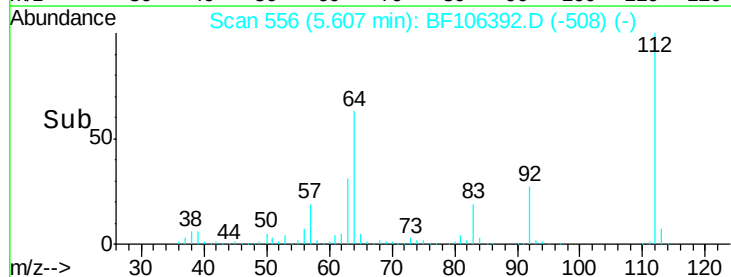
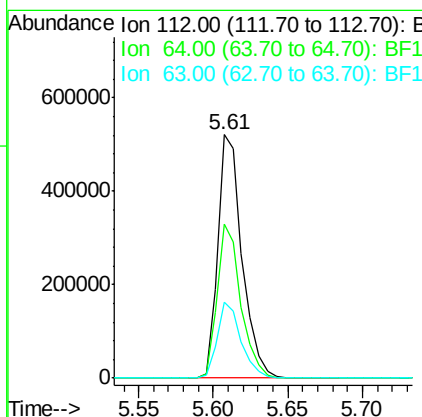
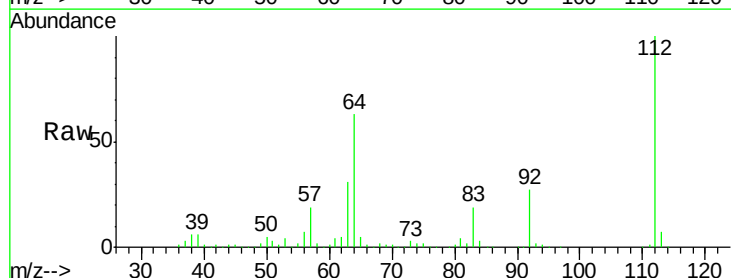
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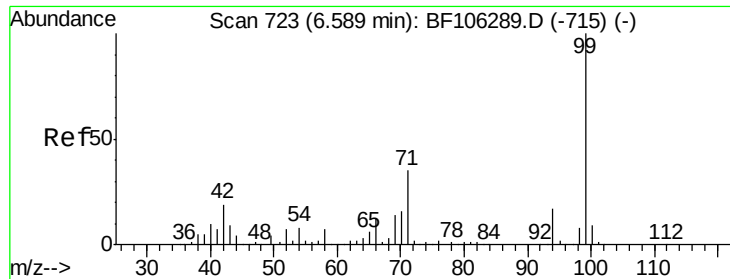


#5

2-Fluorophenol
Concen: 74.098 ng
RT: 5.61 min Scan# 556
Delta R.T. -0.02 min
Lab File: BF106392.D
Acq: 13 Jun 2018 15:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	47.9	71.9
63	31.4	23.7	35.5





#7

Phenol-d6

Concen: 75.405 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF106392.D

Acq: 13 Jun 2018 15:44

Instrument :

BNA_F

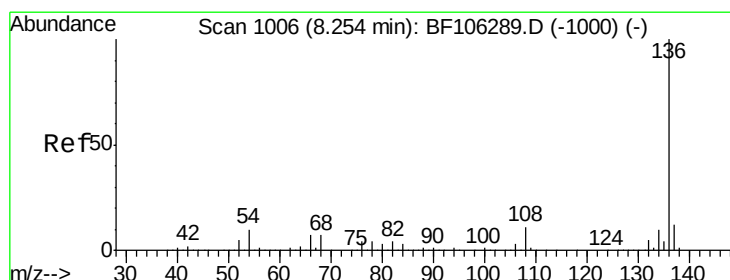
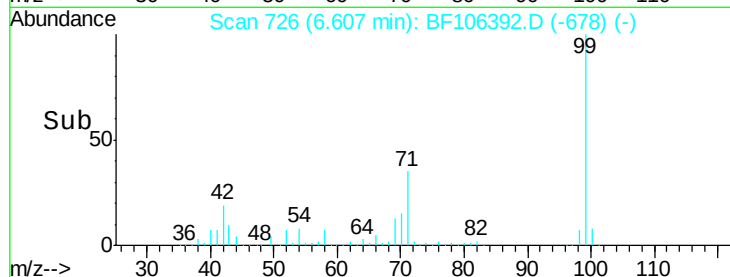
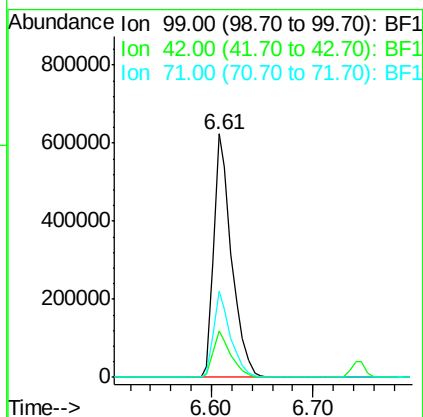
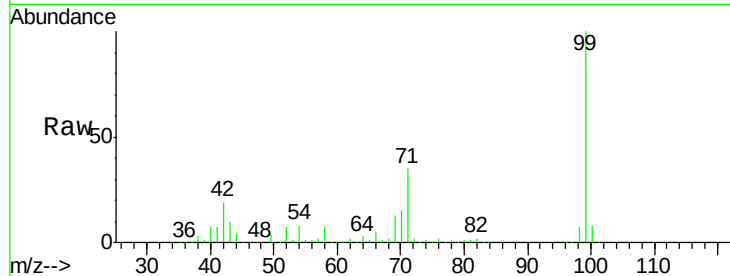
ClientSampled :

MH-RO-341

Tot Ion:	99	Resp:	760321
Ion Ratio	Lower	Upper	
99	100		
42	19.2	14.5	21.7
71	35.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

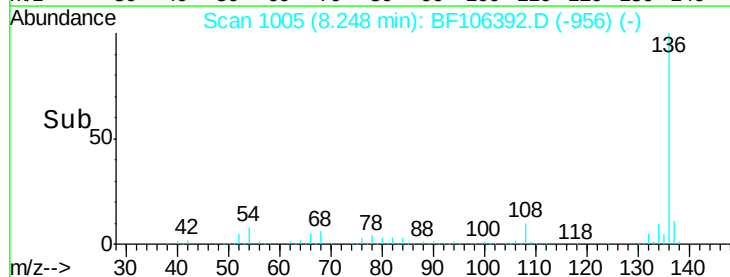
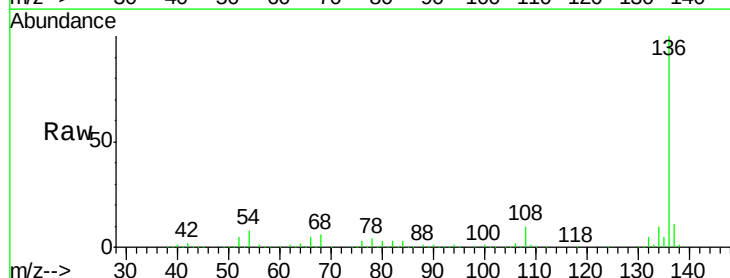
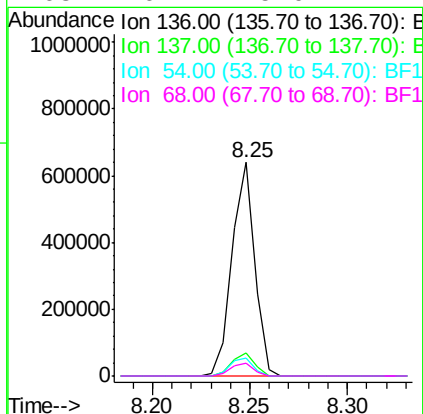
RT: 8.25 min Scan# 1005

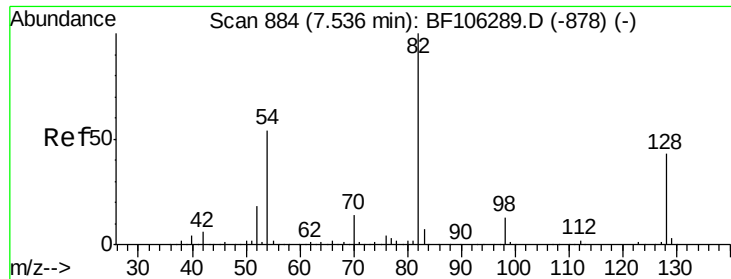
Delta R.T. -0.01 min

Lab File: BF106392.D

Acq: 13 Jun 2018 15:44

Tgt Ion:	136	Resp:	515706
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	8.2	6.6	9.8
68	6.2	5.0	7.4





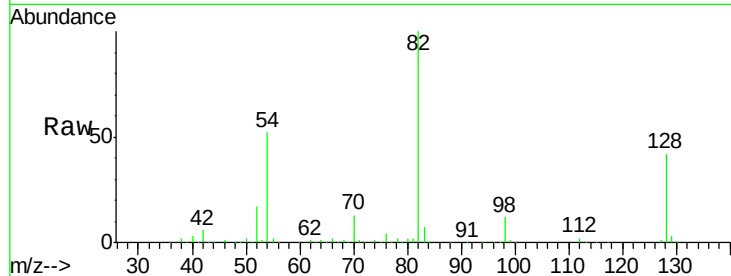
#23
Nitrobenzene-d5
Concen: 52.681 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106392.D
Acq: 13 Jun 2018 15:44

Instrument :
BNA_F
ClientSampled :
MH-RO-341

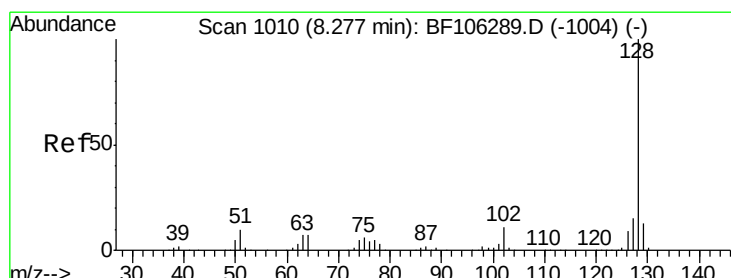
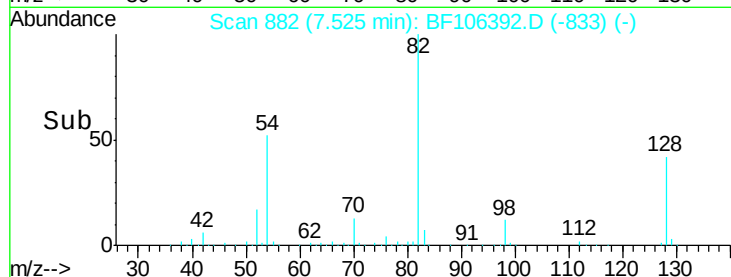
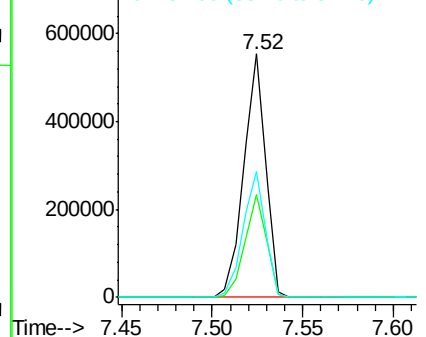
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.3	36.1	54.1
54	51.7	41.4	62.2

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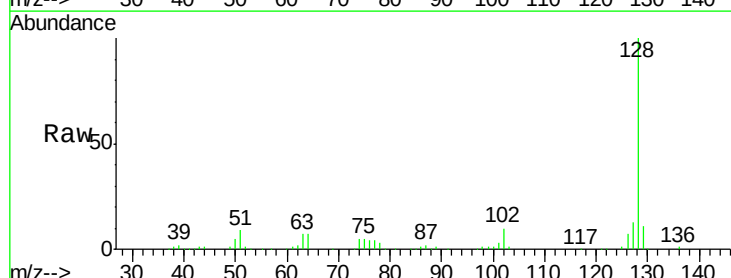


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

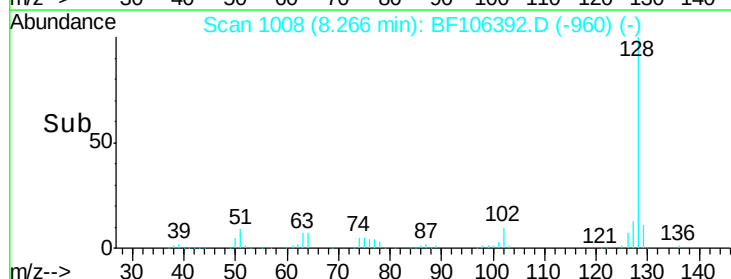
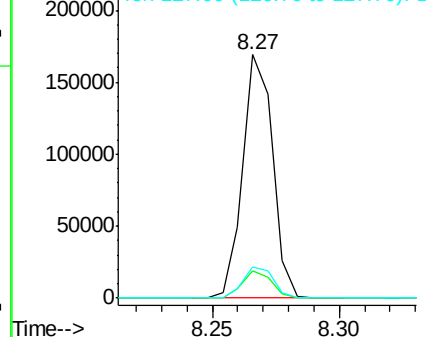


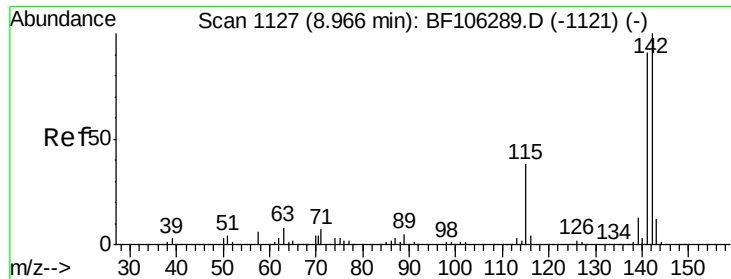
#31
Naphthalene
Concen: 5.929 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF106392.D
Acq: 13 Jun 2018 15:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.9	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





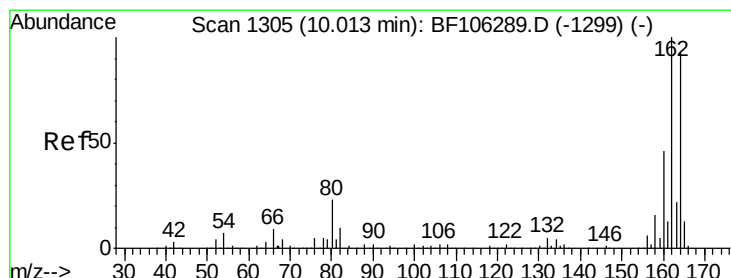
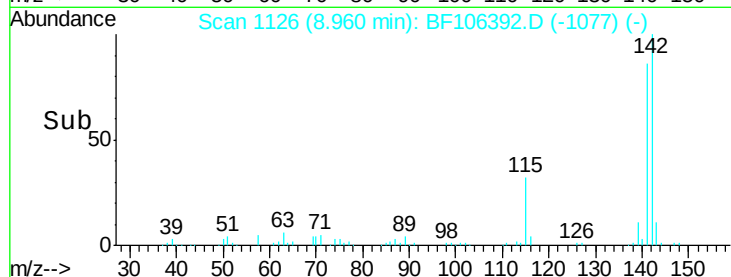
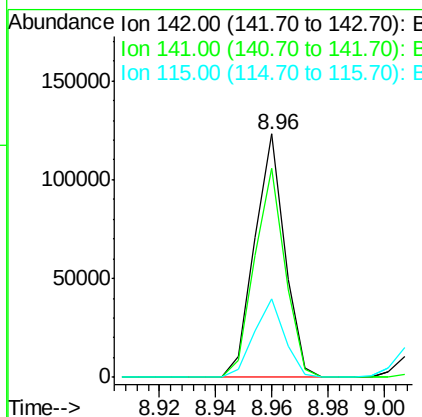
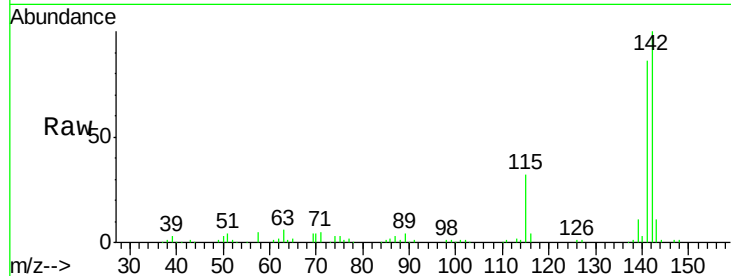
#37
2-Methylnaphthalene
Concen: 5.764 ng
RT: 8.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF106392.D
Acq: 13 Jun 2018 15:44

Instrument :
BNA_F
ClientSampleId :
MH-RO-341

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.8	70.8	106.2
115	32.1	26.1	39.1

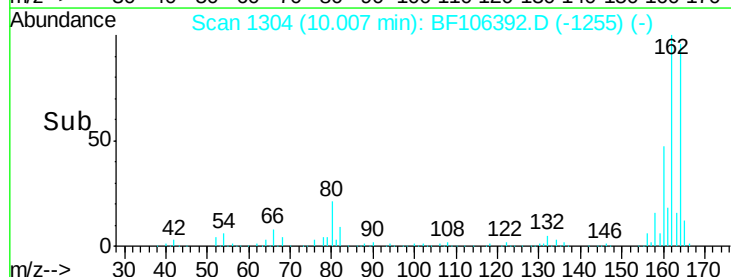
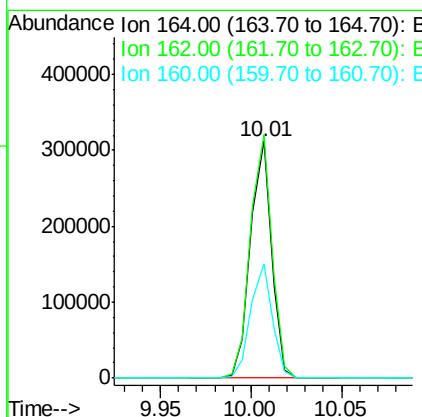
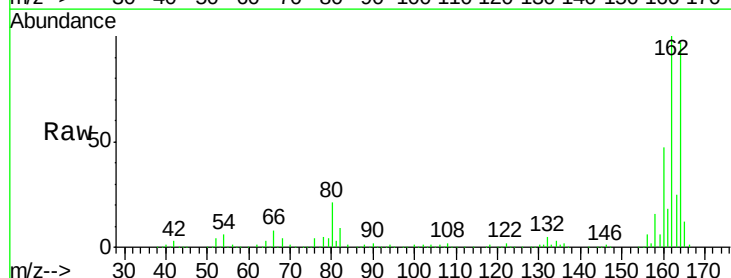
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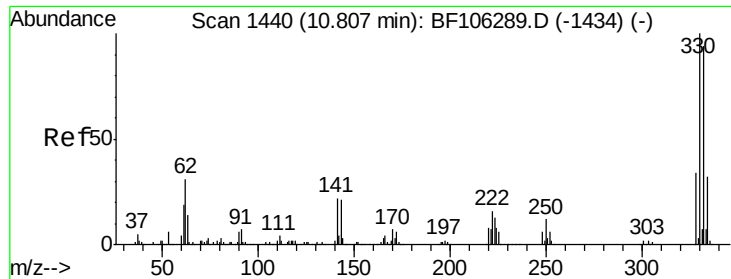
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106392.D
Acq: 13 Jun 2018 15:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	86.1	129.1
160	48.1	38.3	57.5





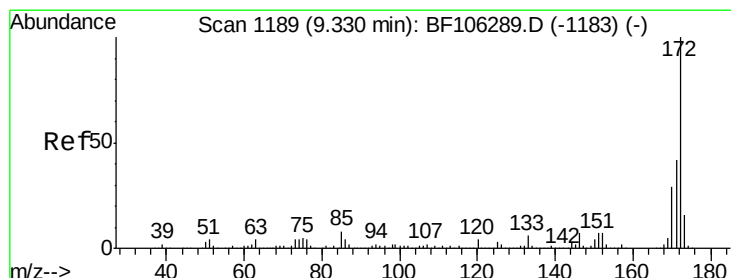
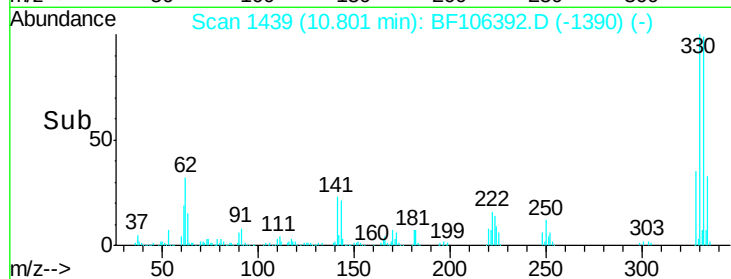
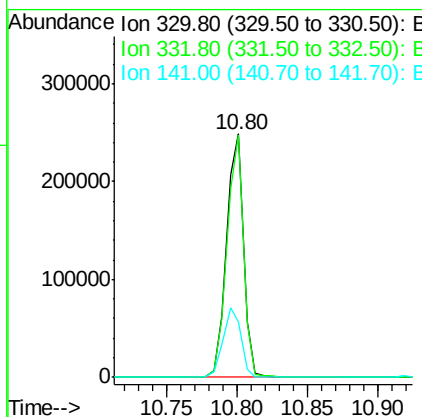
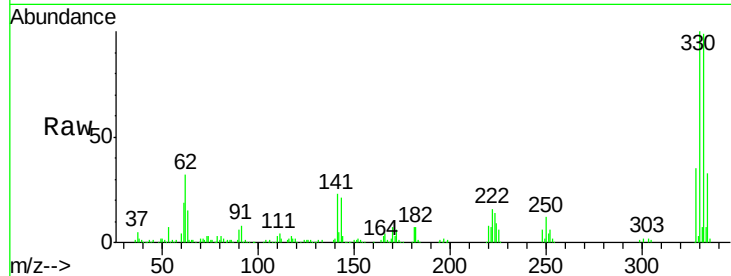
#41
 2,4,6-Tribromophenol
 Concen: 85.466 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106392.D
 Acq: 13 Jun 2018 15:44

Instrument :
 BNA_F
 ClientSampled :
 MH-RO-341

Tot Ion	Ratio	Resp	Lower	Upper
330	100	209072		
332	96.4	77.0	115.6	
141	29.8	29.9	44.9#	

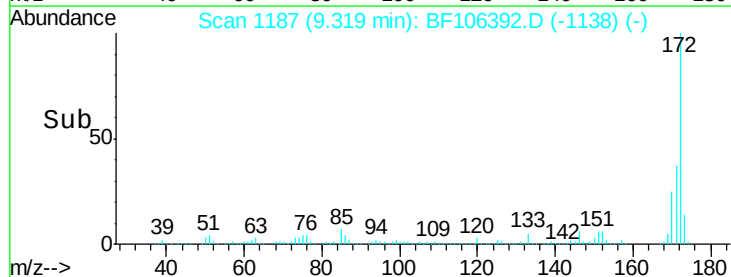
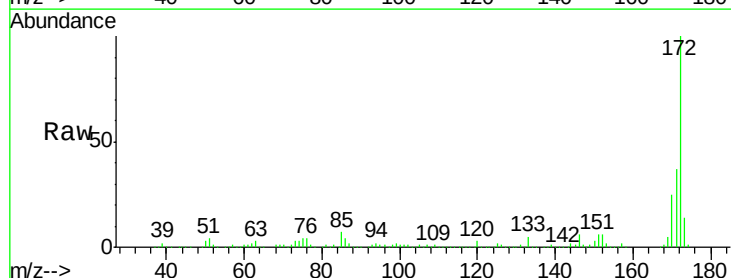
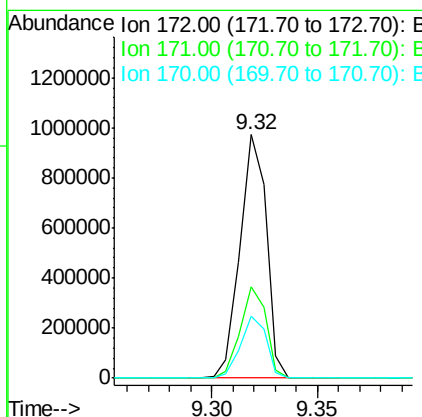
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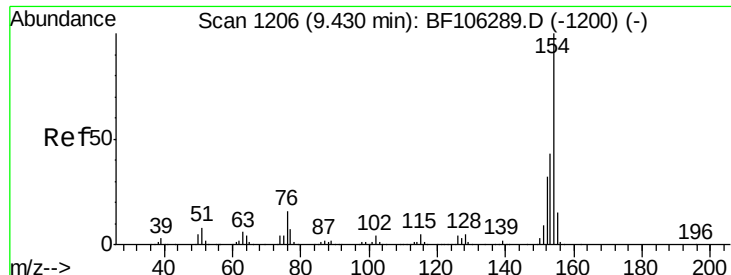
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#44
 2-Fluorobiphenyl
 Concen: 50.876 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106392.D
 Acq: 13 Jun 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	841469		
171	37.4	29.7	44.5	
170	25.2	19.6	29.4	





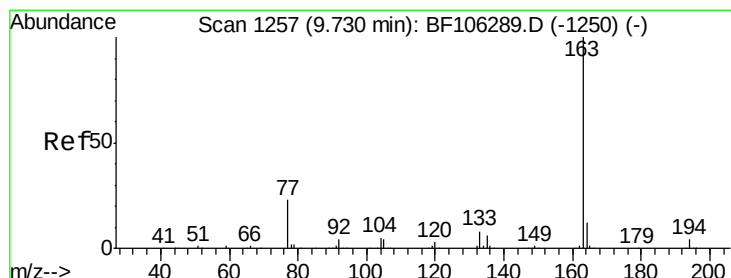
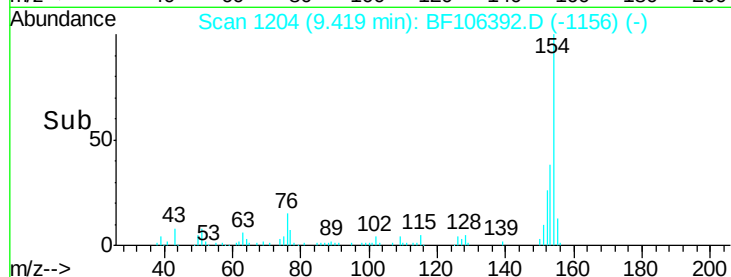
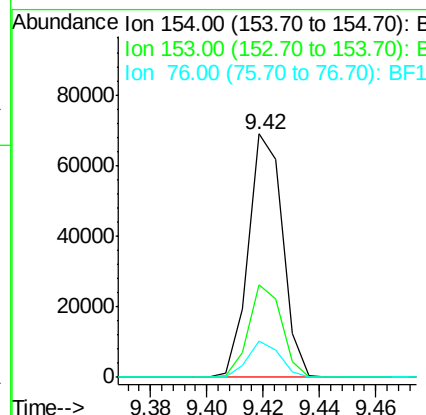
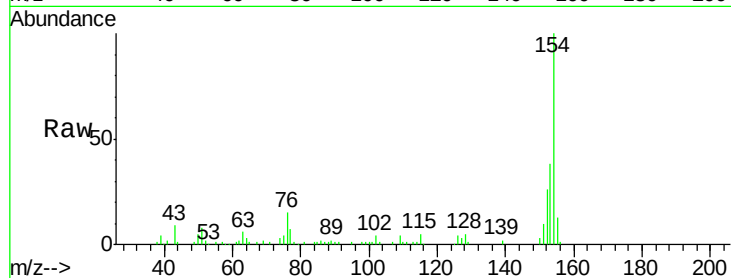
#45
1,1'-Biphenyl
Concen: 2.946 ng
RT: 9.42 min Scan# 1204
Delta R.T. -0.02 min
Lab File: BF106392.D
Acq: 13 Jun 2018 15:44

Instrument :
BNA_F
ClientSampleId :
MH-RO-341

Tot Ion:	154	Resp:	58022
Ion Ratio	Lower	Upper	
154	100		
153	37.9	21.3	61.3
76	15.0	0.0	34.0

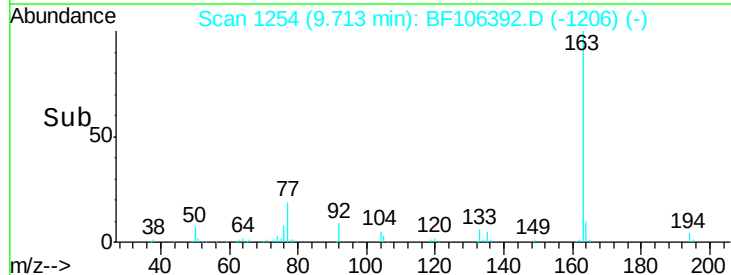
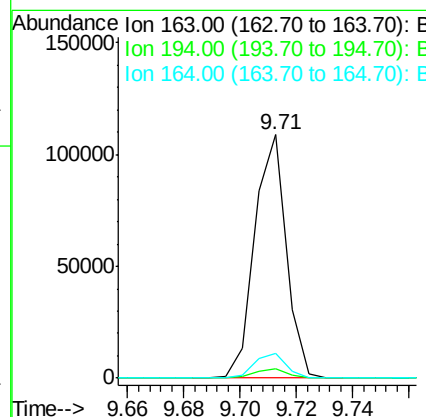
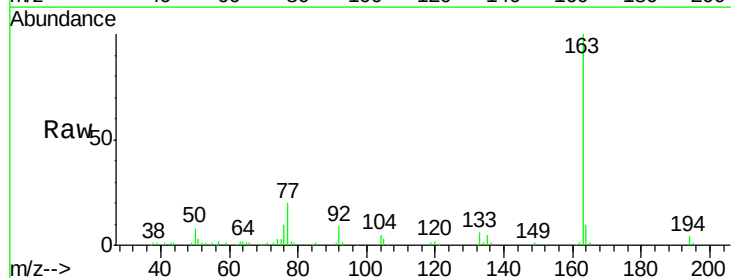
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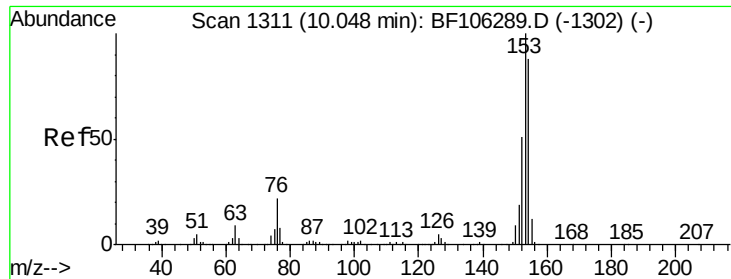
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#49
Dimethylphthalate
Concen: 4.650 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF106392.D
Acq: 13 Jun 2018 15:44

Tgt Ion:	163	Resp:	84467
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	10.0	8.2	12.2





#51

Acenaphthene

Concen: 16.549 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF106392.D

Acq: 13 Jun 2018 15:44

Instrument :

BNA_F

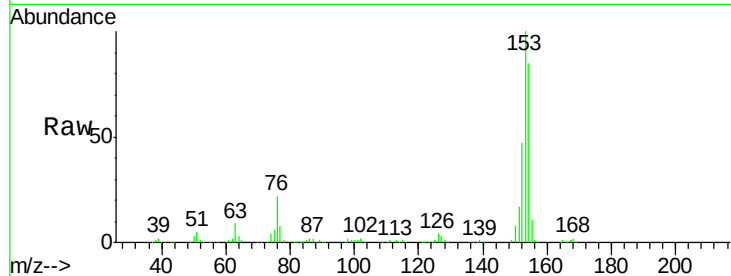
ClientSampleId :

MH-RO-341

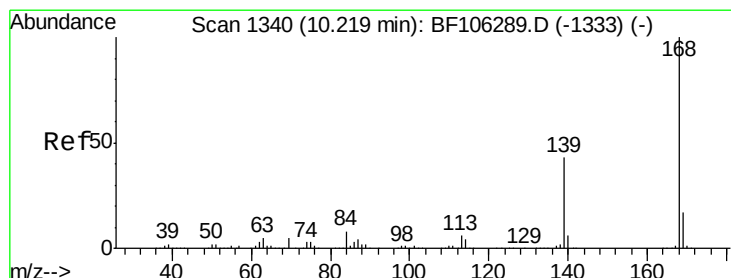
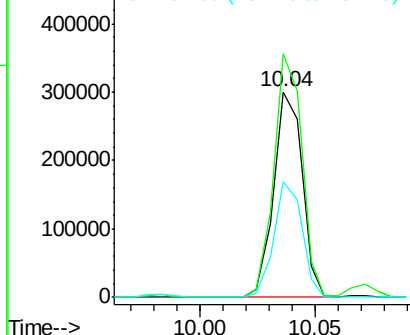
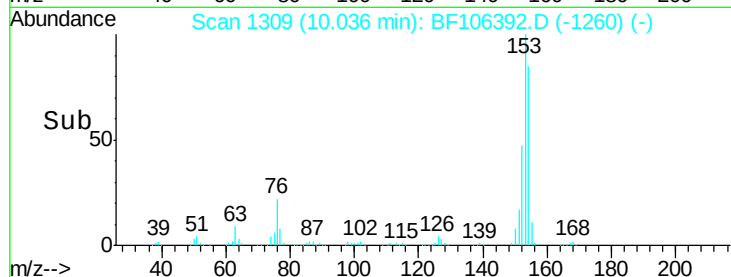
Tot Ion:	154	Resp:	257791
Ion Ratio	Lower	Upper	
154	100		
153	118.3	91.2	136.8
152	56.2	43.8	65.8

Manual Integrations
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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



#54

Dibenzofuran

Concen: 14.295 ng

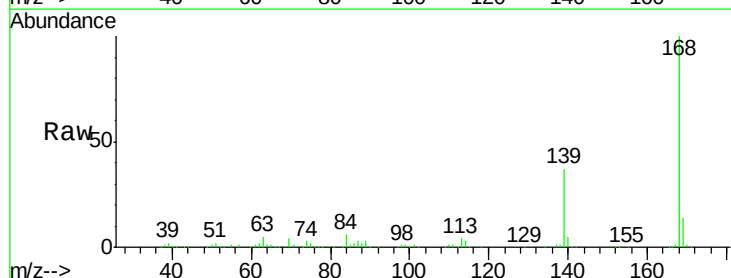
RT: 10.21 min Scan# 1339

Delta R.T. -0.01 min

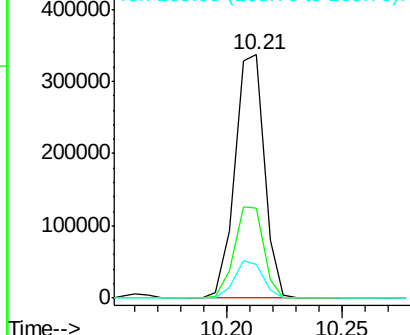
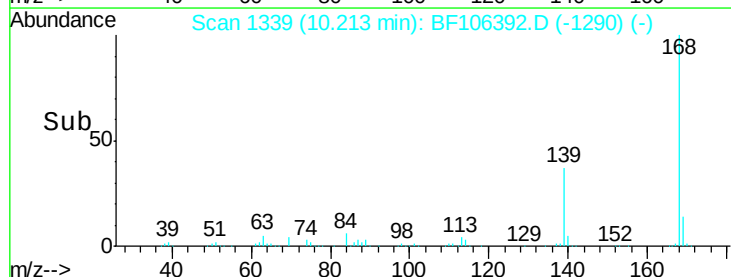
Lab File: BF106392.D

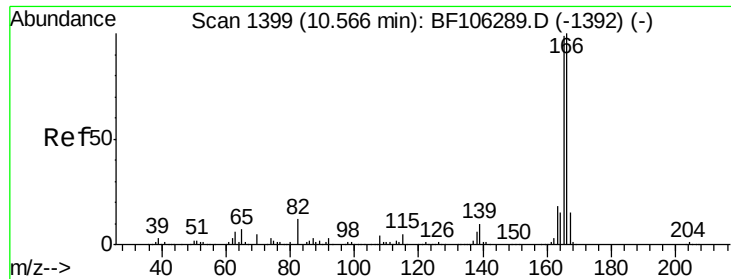
Acq: 13 Jun 2018 15:44

Tgt Ion:	168	Resp:	299870
Ion Ratio	Lower	Upper	
168	100		
139	36.8	30.1	45.1
169	13.9	10.9	16.3



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: 14.714 ng

RT: 10.55 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF106392.D

Acq: 13 Jun 2018 15:44

Instrument :

BNA_F

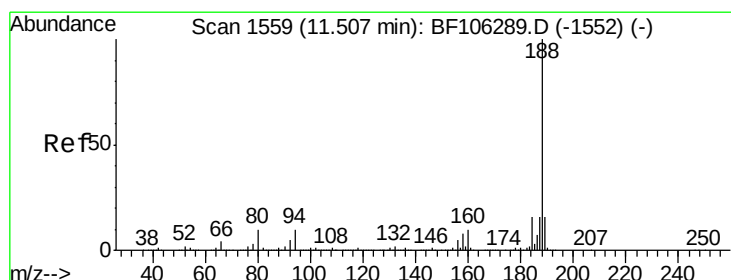
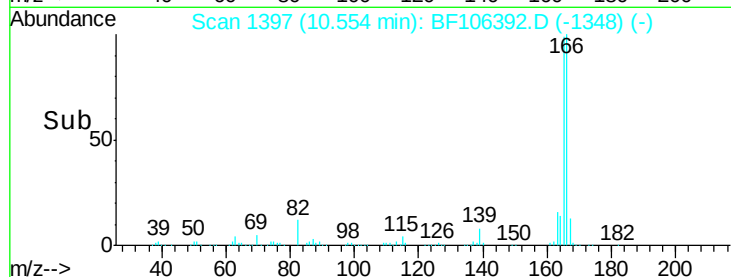
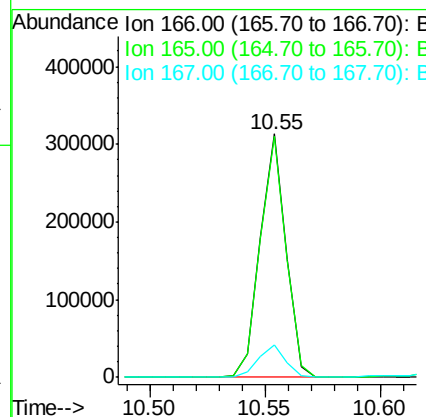
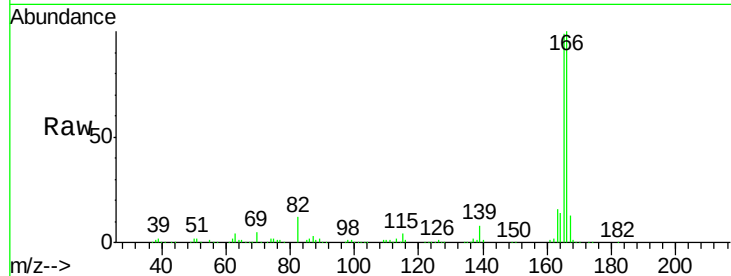
ClientSampled :

MH-RO-341

Tot Ion:	166	Resp:	244538
Ion Ratio	Lower	Upper	
166	100		
165	99.1	79.8	119.8
167	13.4	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

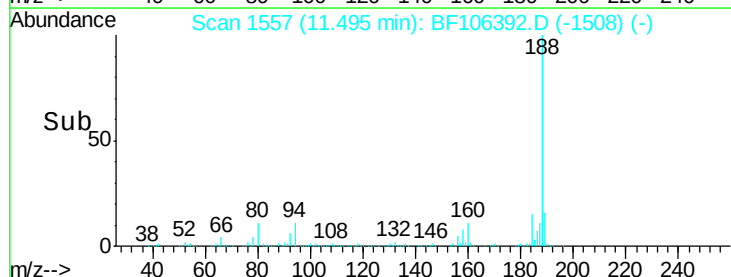
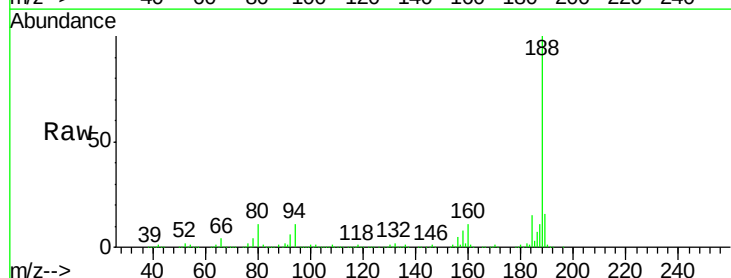
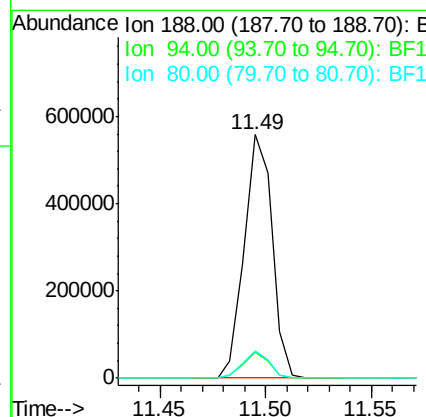
RT: 11.49 min Scan# 1557

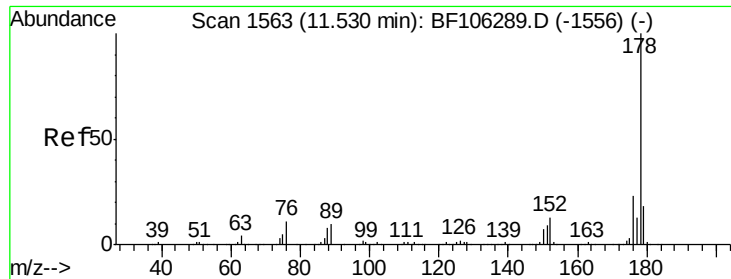
Delta R.T. -0.01 min

Lab File: BF106392.D

Acq: 13 Jun 2018 15:44

Tgt Ion:	188	Resp:	510807
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.5	12.7
80	11.3	9.2	13.8





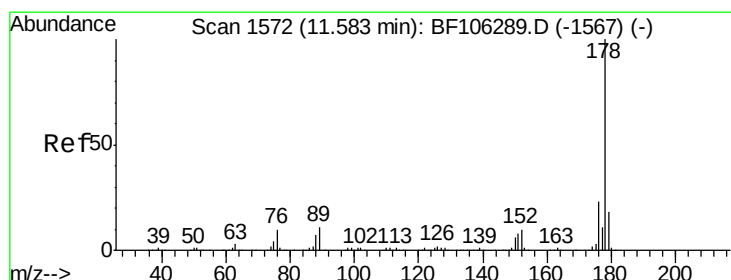
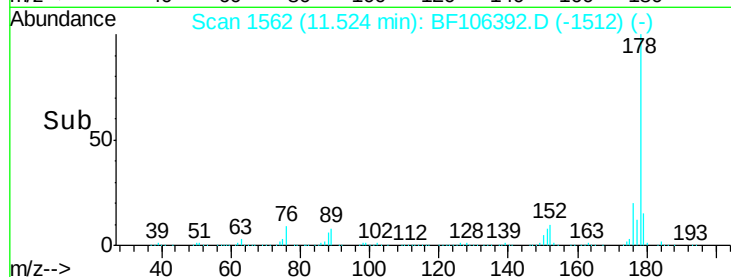
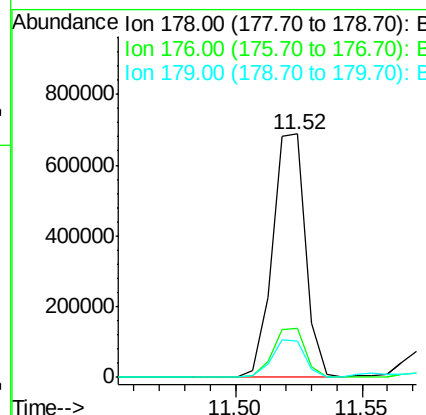
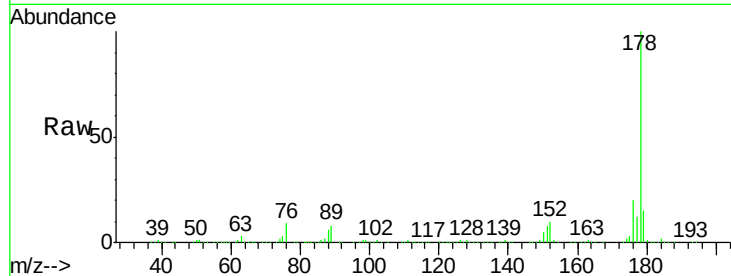
#70
Phenanthrene
Concen: 25.088 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF106392.D
Acq: 13 Jun 2018 15:44

Instrument :
BNA_F
ClientSampleId :
MH-RO-341

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	15.2	13.0	19.6

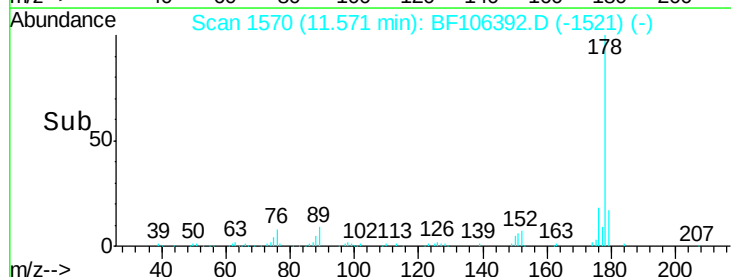
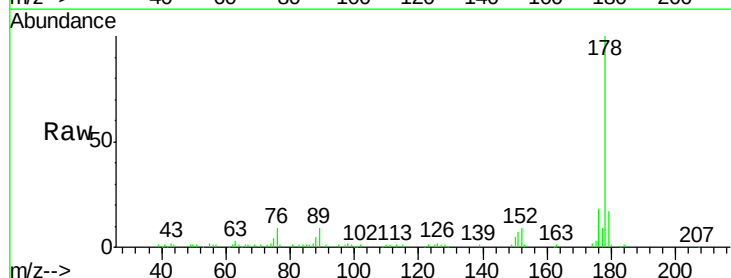
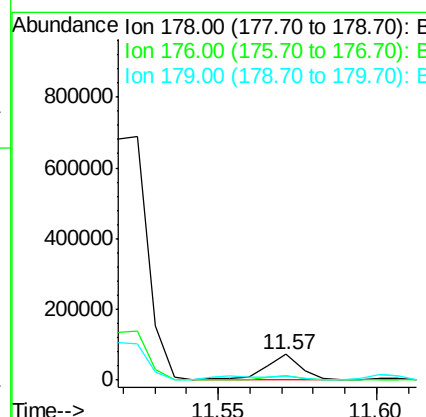
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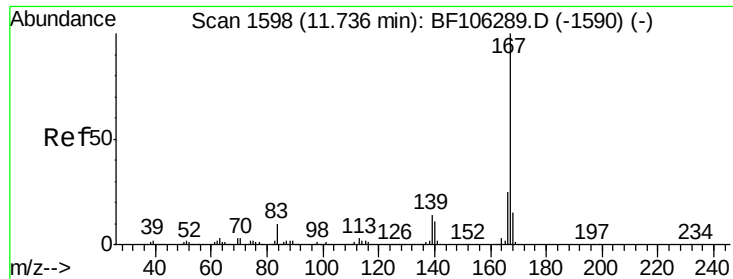
Sohil
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#71
Anthracene
Concen: 2.250 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106392.D
Acq: 13 Jun 2018 15:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	16.6	12.6	19.0





#72

Carbazole

Concen: 9.089 ng

RT: 11.72 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BF106392.D

Acq: 13 Jun 2018 15:44

Instrument :

BNA_F

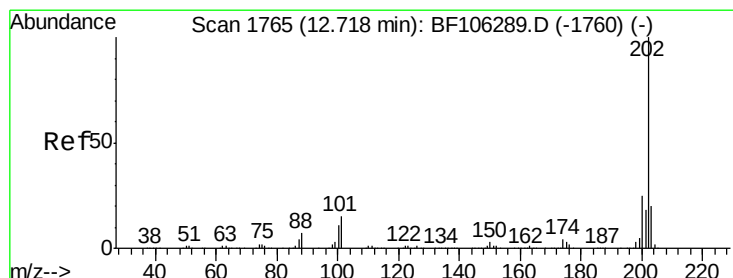
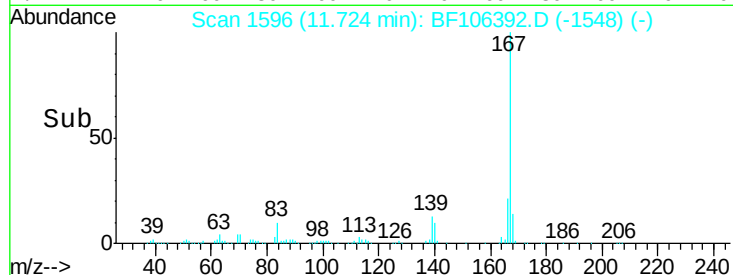
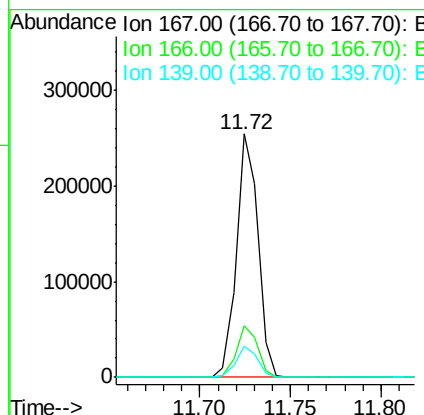
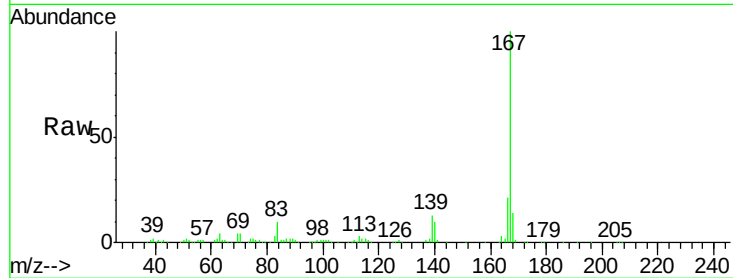
ClientSampleId :

MH-RO-341

Tot Ion:	167	Resp:	210289
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.6	26.4
139	12.5	10.9	16.3

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#74

Fluoranthene

Concen: 12.808 ng

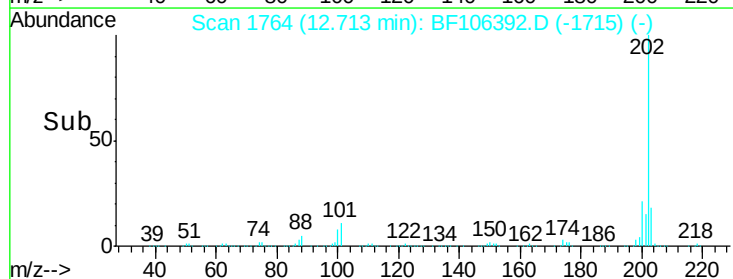
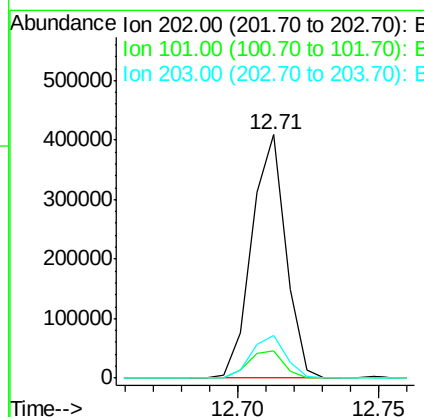
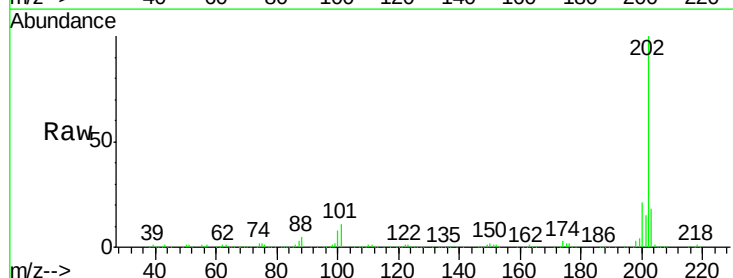
RT: 12.71 min Scan# 1764

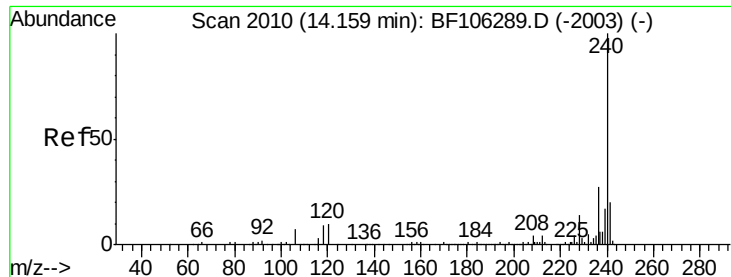
Delta R.T. -0.01 min

Lab File: BF106392.D

Acq: 13 Jun 2018 15:44

Tgt Ion:	202	Resp:	341696
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF106392.D

Acq: 13 Jun 2018 15:44

Instrument :

BNA_F

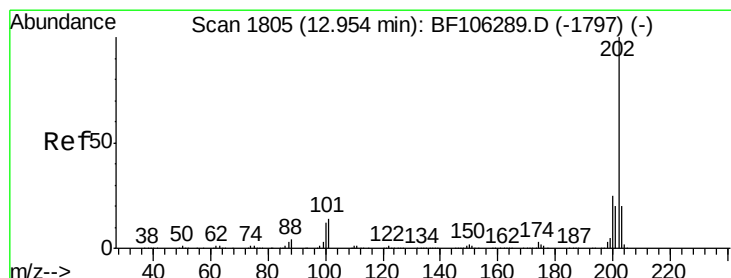
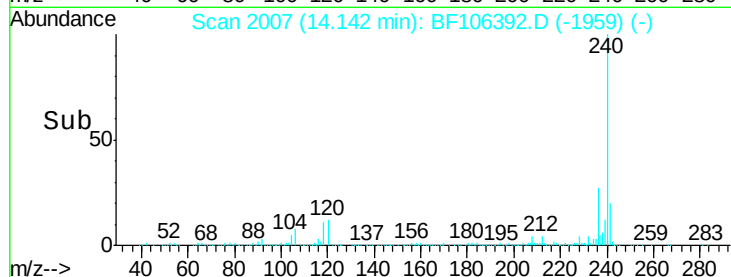
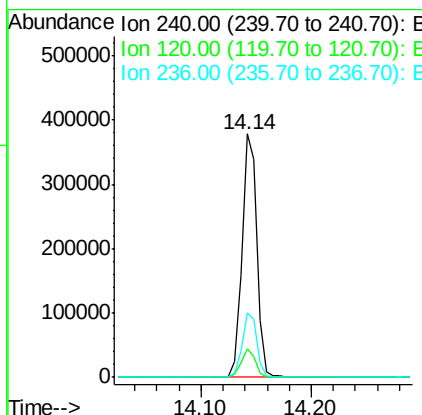
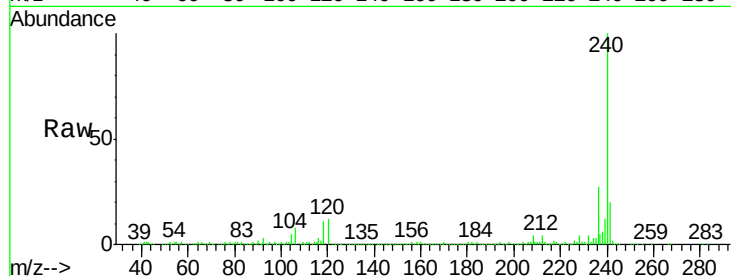
ClientSampleId :

MH-RO-341

Tot Ion:	240	Resp:	356259
Ion Ratio	Lower	Upper	
240	100		
120	11.8	9.5	14.3
236	26.6	20.7	31.1

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#77

Pyrene

Concen: 10.645 ng

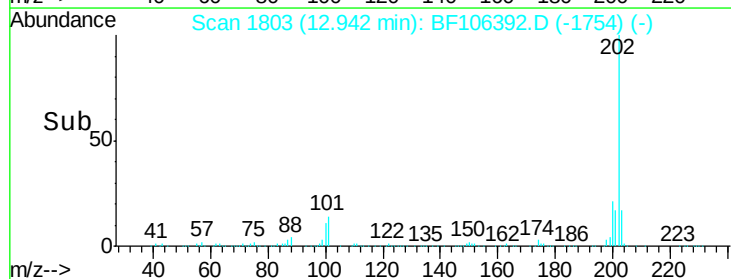
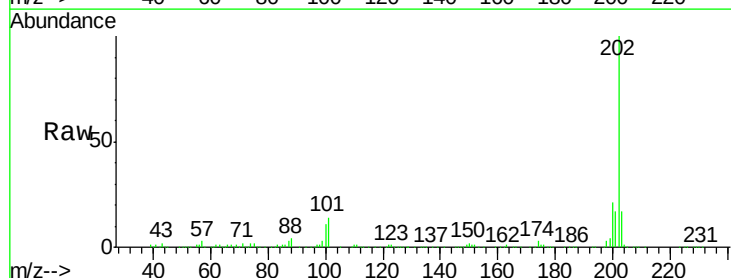
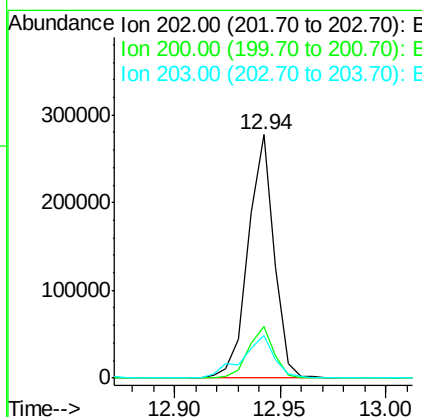
RT: 12.94 min Scan# 1803

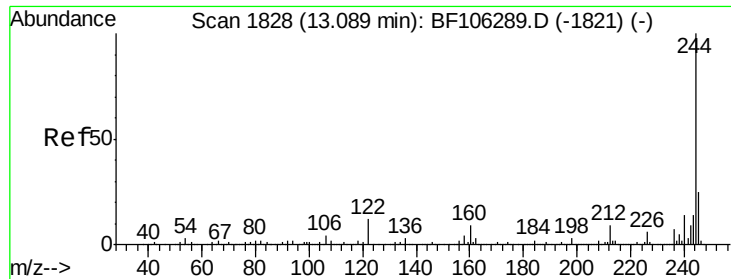
Delta R.T. -0.01 min

Lab File: BF106392.D

Acq: 13 Jun 2018 15:44

Tgt Ion:	202	Resp:	237430
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.4	14.3	21.5





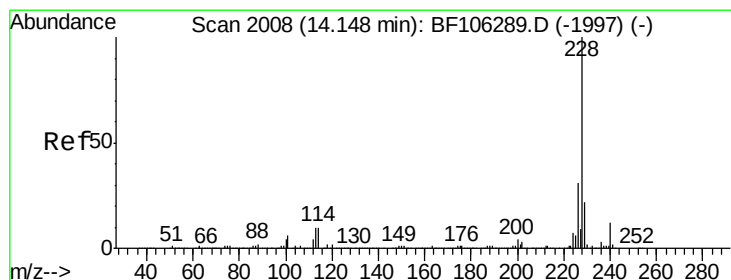
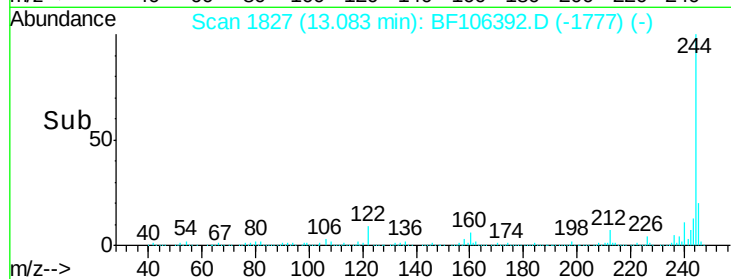
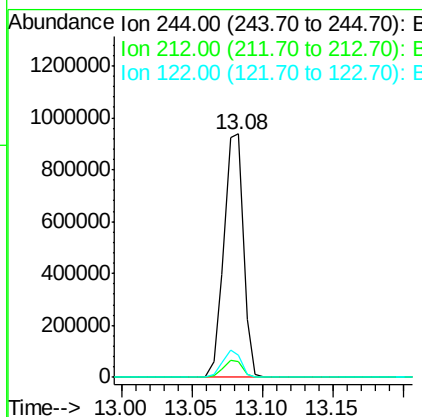
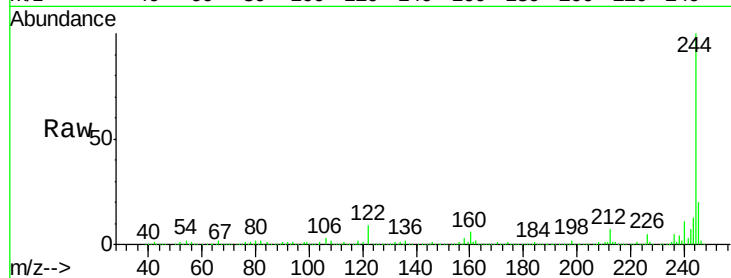
#78
 Terphenyl-d14
 Concen: 63.229 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BF106392.D
 Acq: 13 Jun 2018 15:44

Instrument :
 BNA_F
 ClientSampleId :
 MH-RO-341

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.2	11.0	16.4

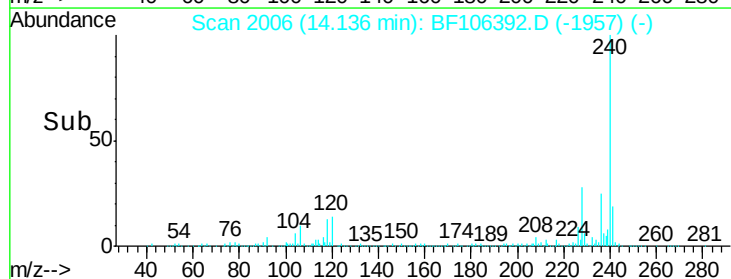
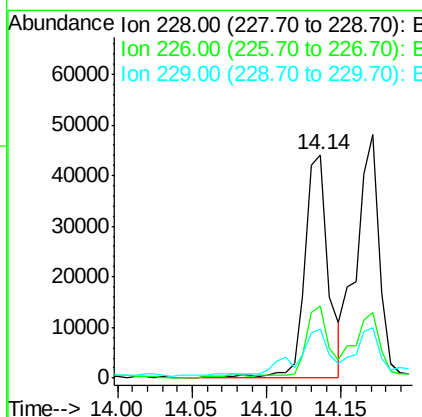
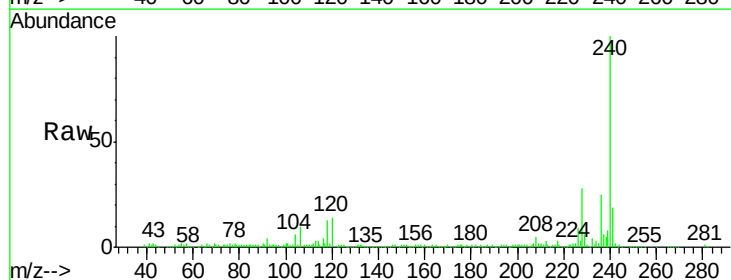
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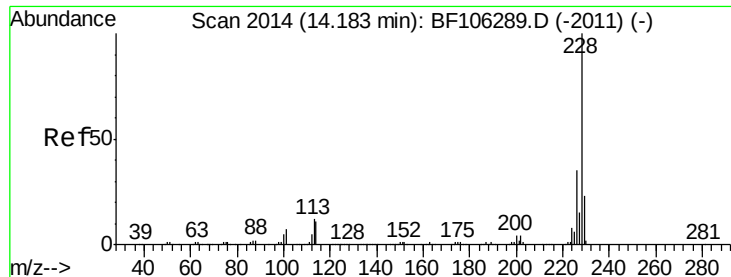
Sohil
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#80
 Benzo(a)anthracene
 Concen: 2.293 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF106392.D
 Acq: 13 Jun 2018 15:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.6	33.8
229	22.1	15.8	23.6





#82

Chrysene

Concen: 2.671 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106392.D

Acq: 13 Jun 2018 15:44

Instrument :

BNA_F

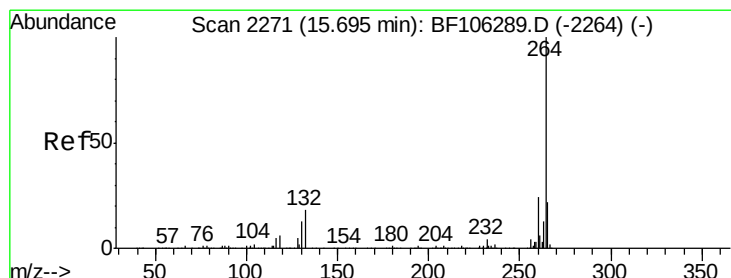
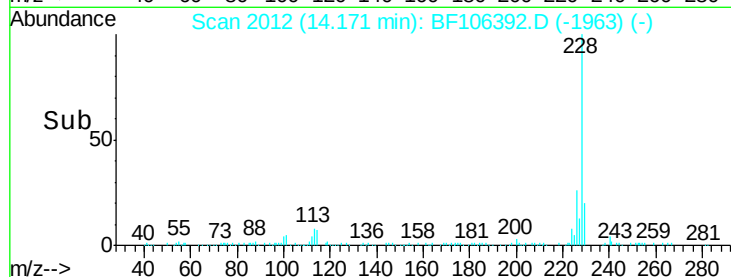
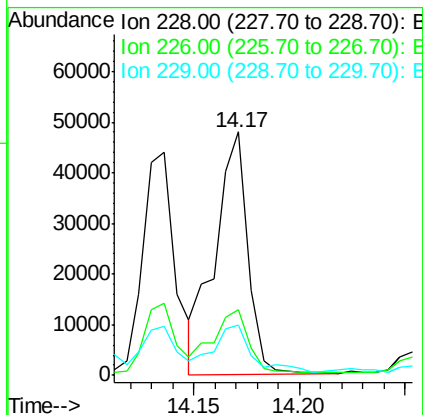
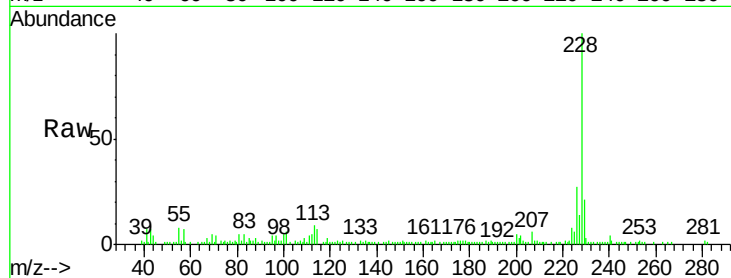
ClientSampleId :

MH-RO-341

Tot Ion:	228	Resp:	51696
Ion Ratio	Lower	Upper	
228	100		
226	27.2	25.0	37.6
229	20.9	16.2	24.4

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

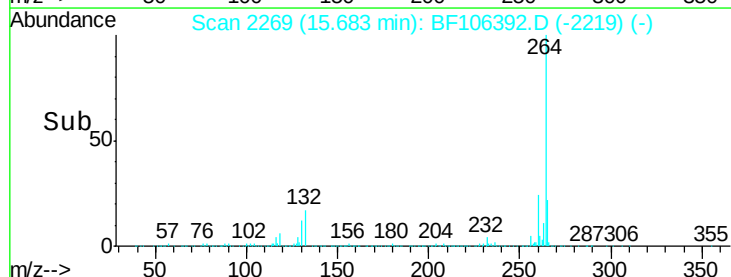
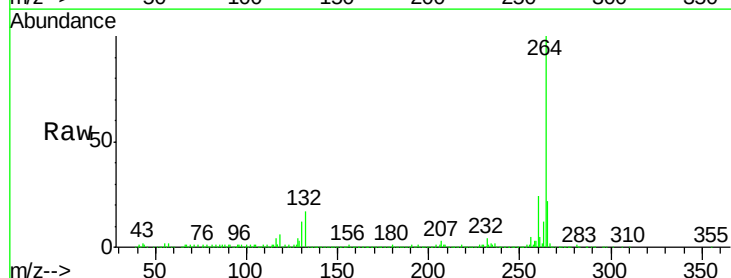
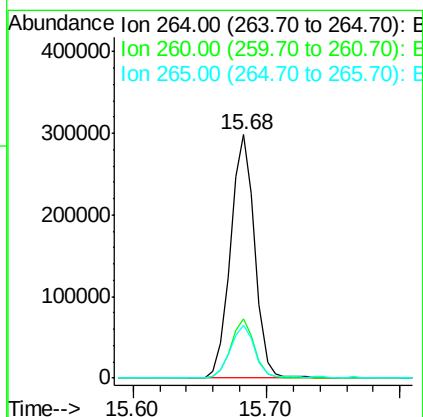
RT: 15.68 min Scan# 2269

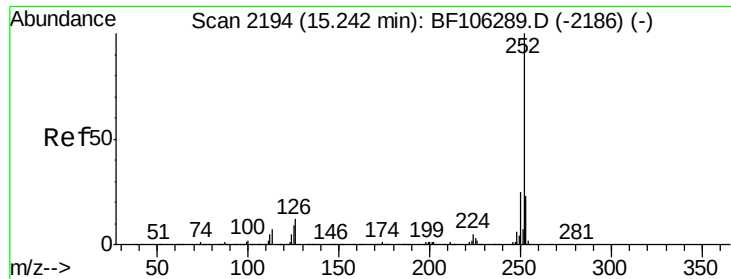
Delta R.T. -0.01 min

Lab File: BF106392.D

Acq: 13 Jun 2018 15:44

Tgt Ion:	264	Resp:	378451
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.2	28.8
265	21.9	17.5	26.3





#87
 Benzo(b)fluoranthene
 Concen: 2.348 ng/ml
 RT: 15.22 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BF106392.D
 Acq: 13 Jun 2018 15:44

Instrument :
 BNA_F
 ClientSampleId :
 MH-RO-341

Tot Ion:	252	Resp:	53720
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.0	25.6
125	11.4	9.0	13.6

Manual Integrations
 APPROVED

Sohil
 6/14/2018 2:47:38 PM

