

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106347.D
 Acq On : 12 Jun 2018 16:27
 Operator : JU/SJ
 Sample : J3247-03 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061118

Manual Integrations
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 6/13/2018 4:56:12 PM

Quant Time: Jun 13 02:12:27 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	162794	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	561353	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	225793	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	444439	20.00	ng	0.00
75) Chrysene-d12	14.17	240	442188	20.00	ng	0.00
86) Perylene-d12	15.71	264	322018	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	507651	52.78	ng	0.00
7) Phenol-d6	6.59	99	601848	49.53	ng	0.00
23) Nitrobenzene-d5	7.53	82	362828	38.02	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	120123	55.29	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	604256	38.16	ng	0.00
78) Terphenyl-d14	13.09	244	714650	40.14	ng	0.00
Target Compounds						
31) Naphthalene	8.28	128	118781	4.681	ng	98
49) Dimethylphthalate	9.72	163	91331	5.662	ng	# 99
51) Acenaphthene	10.04	154	32751	2.367	ng	97
54) Dibenzofuran	10.22	168	43069	2.312	ng	96
57) Fluorene	10.56	166	65862	4.462	ng	100
70) Phenanthrene	11.53	178	693194	31.848	ng	98
71) Anthracene	11.58	178	299884	13.753	ng	100
74) Fluoranthene	12.72	202	1275684	54.958	ng	97
77) Pyrene	12.95	202	1117937	40.383	ng	97
80) Benzo(a)anthracene	14.15	228	595165	22.618	ng	98
82) Chrysene	14.19	228	506680m	21.090	ng	
85) Indeno(1,2,3-cd)pyrene	17.28	276	160659m	8.379	ng	
87) Benzo(b)fluoranthene	15.25	252	488802m	25.111	ng	
88) Benzo(k)fluoranthene	15.28	252	130850m	6.787	ng	
89) Benzo(a)pyrene	15.65	252	325907	18.614	ng	97
90) Dibenzo(a,h)anthracene	17.29	278	37879	2.595	ng	# 87
91) Benzo(g,h,i)perylene	17.76	276	150170	10.586	ng	91

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

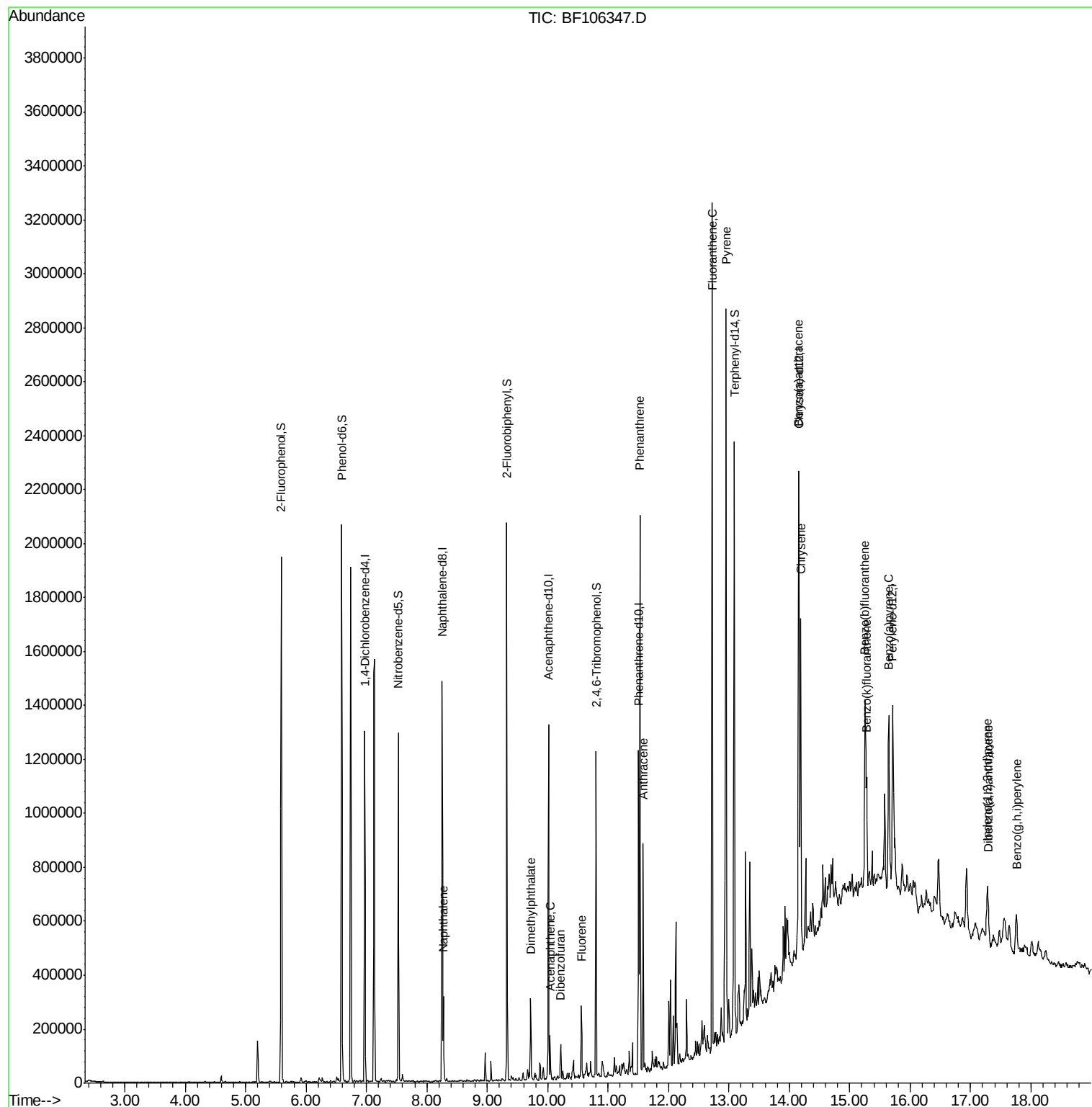
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
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ALS Vial : 12 Sample Multiplier: 1

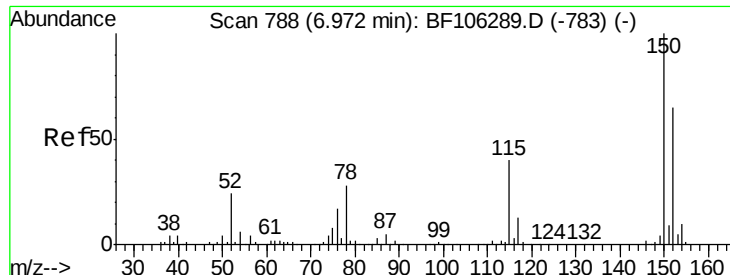
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Quant Time: Jun 13 02:12:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 11 15:00:22 2018
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#1

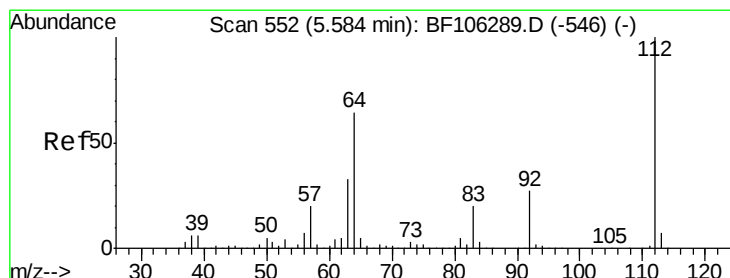
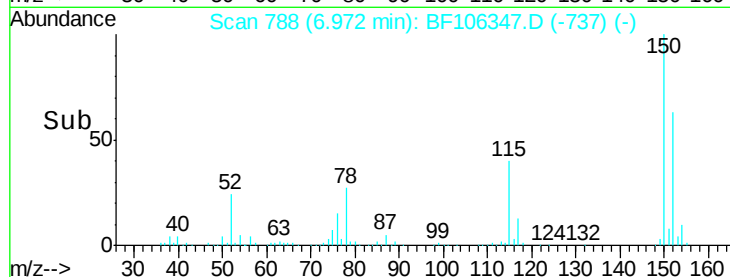
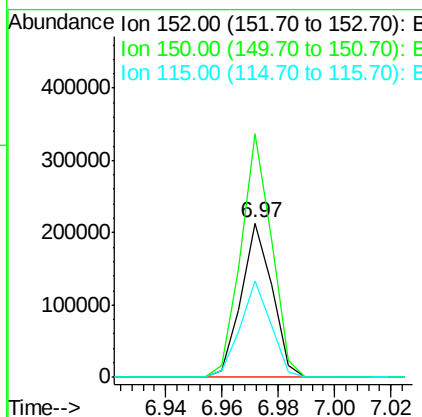
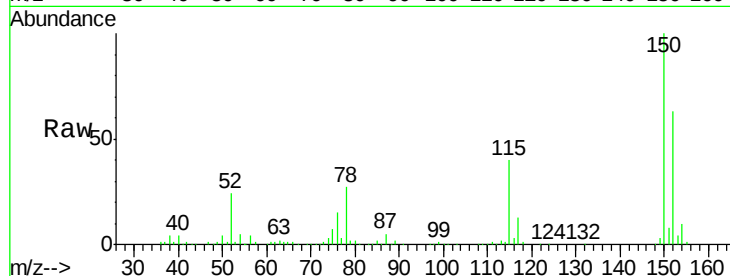
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Instrument :
BNA_F
ClientSampleId :
OR-03-061118

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	62.7	50.1	75.1

Manual Integrations
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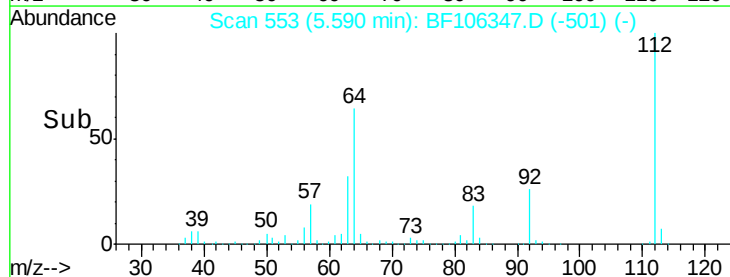
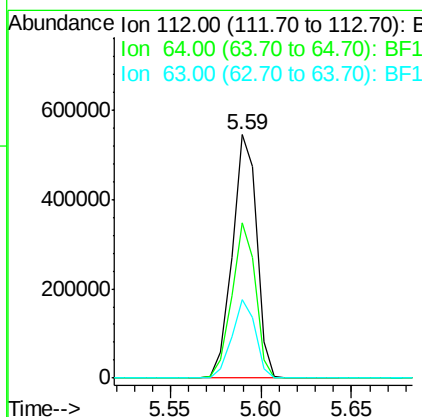
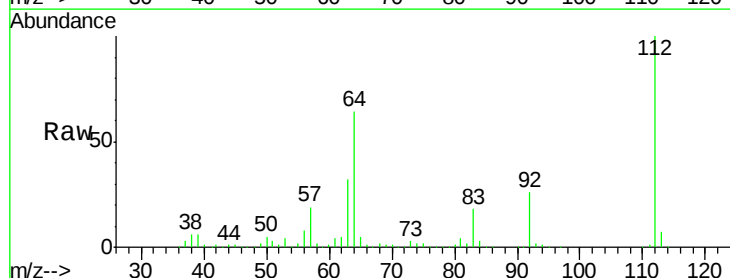
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#5

2-Fluorophenol
Concen: 52.778 ng
RT: 5.59 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	47.9	71.9
63	32.1	23.7	35.5





#7

Phenol-d6

Concen: 49.526 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF106347.D

Acq: 12 Jun 2018 16:27

Instrument :

BNA_F

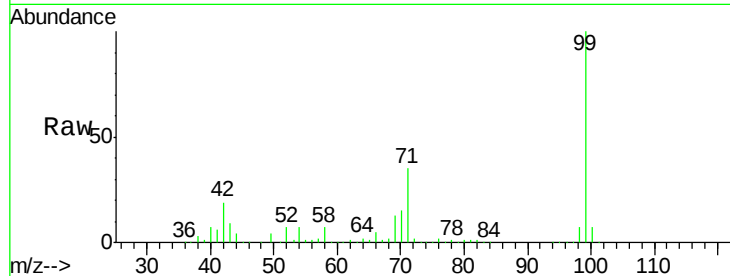
ClientSampleId :

OR-03-061118

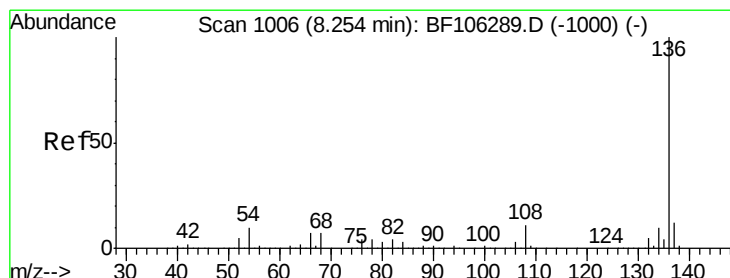
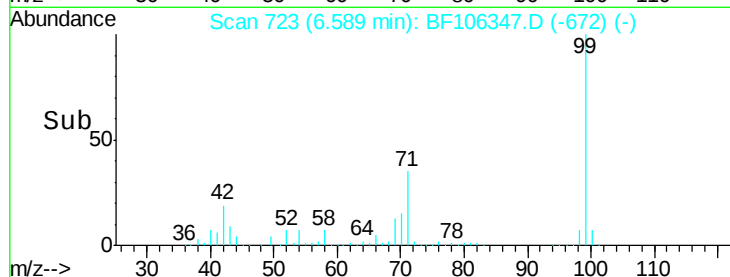
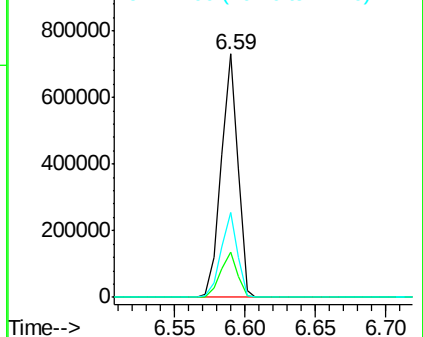
Tot Ion:	99	Resp:	601848
Ion Ratio	Lower	Upper	
99	100		
42	18.7	14.5	21.7
71	34.7	25.4	38.0

Manual Integrations
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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# 1006

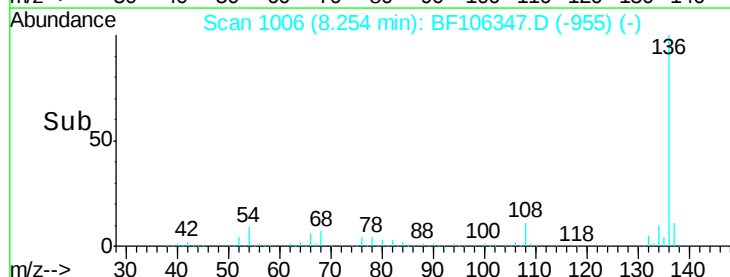
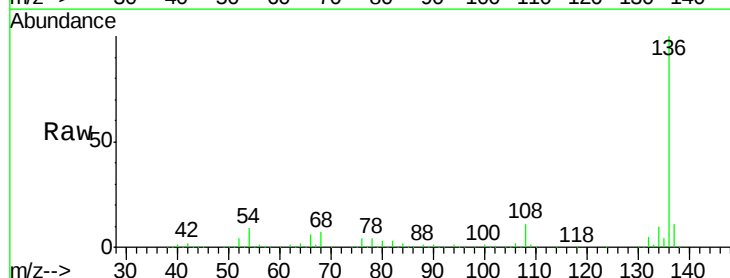
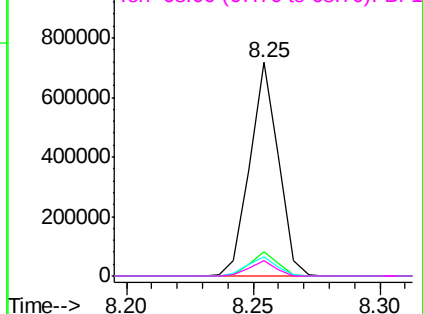
Delta R.T. 0.00 min

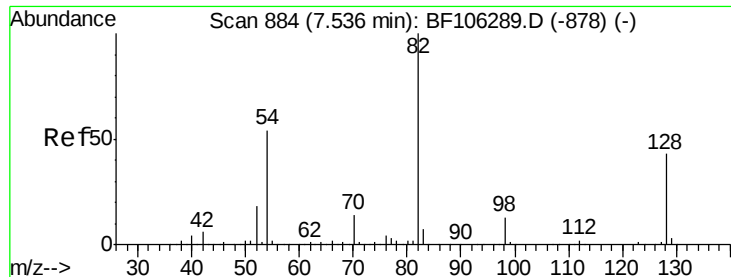
Lab File: BF106347.D

Acq: 12 Jun 2018 16:27

Tgt Ion:	136	Resp:	561353
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	8.9	6.6	9.8
68	6.9	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





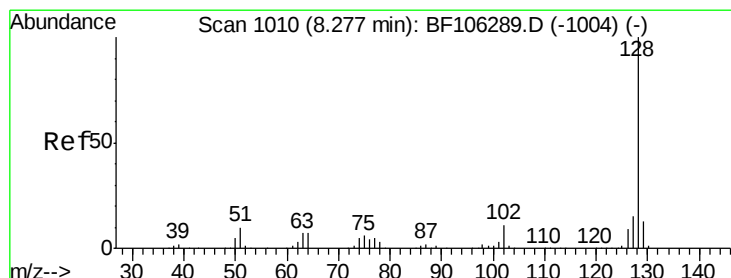
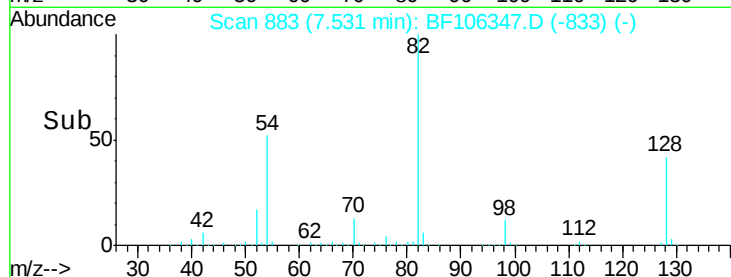
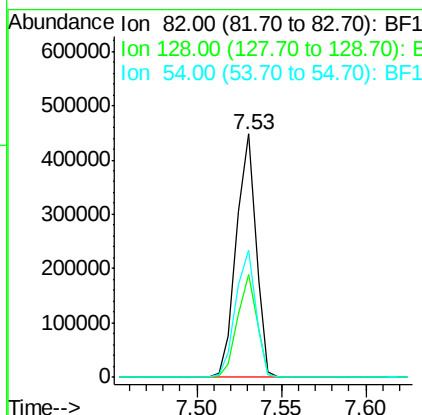
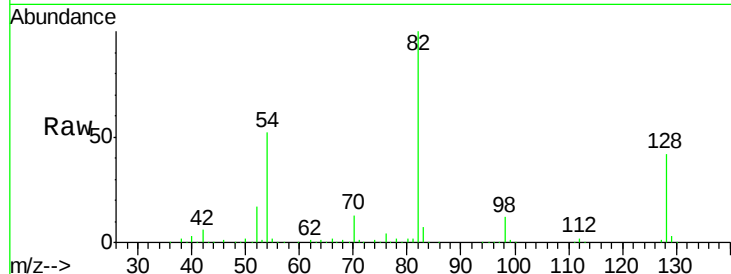
#23
Nitrobenzene-d5
Concen: 38.024 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Instrument :
BNA_F
ClientSampleId :
OR-03-061118

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.3	36.1	54.1	
54	52.4	41.4	62.2	

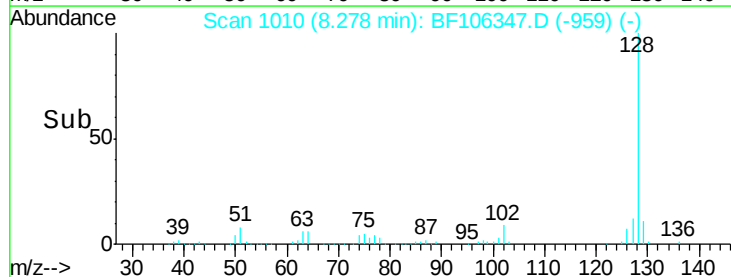
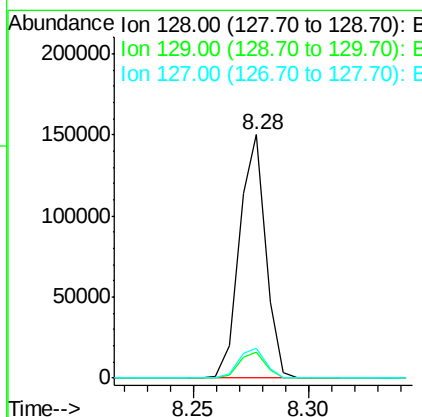
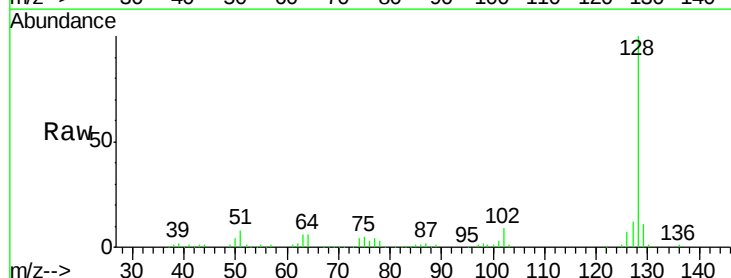
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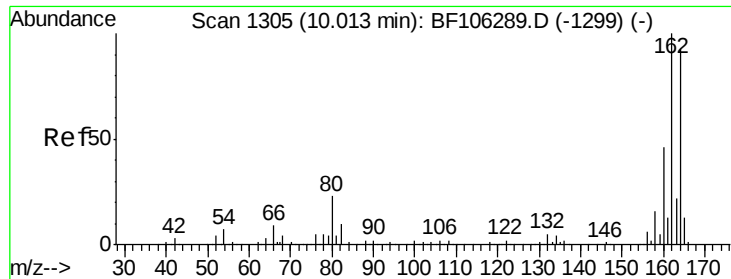
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#31
Naphthalene
Concen: 4.681 ng
RT: 8.28 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.9	8.8	13.2	
127	12.4	10.9	16.3	





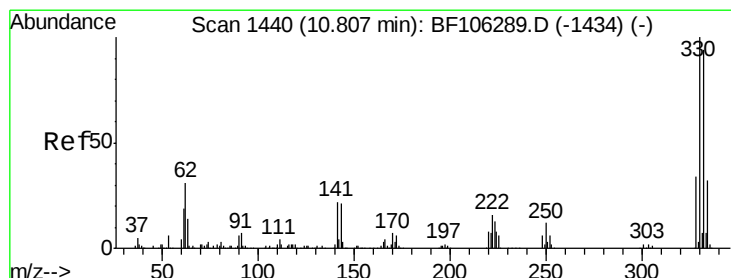
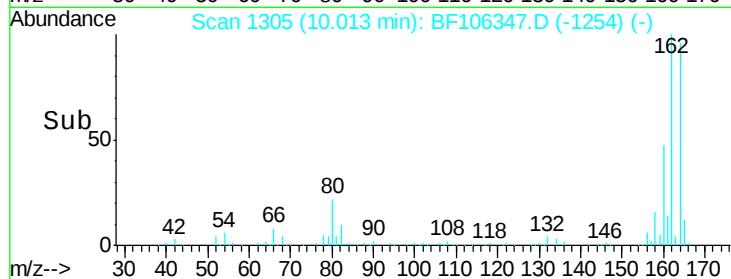
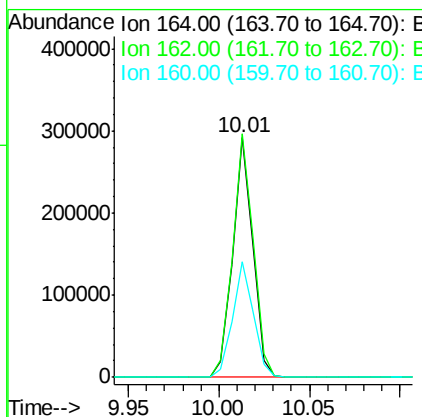
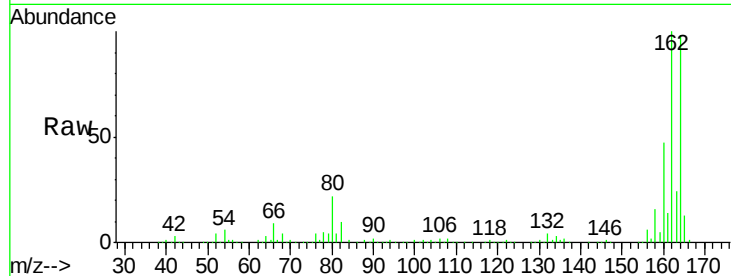
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Instrument :
BNA_F
ClientSampleId :
OR-03-061118

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	86.1	129.1
160	48.1	38.3	57.5

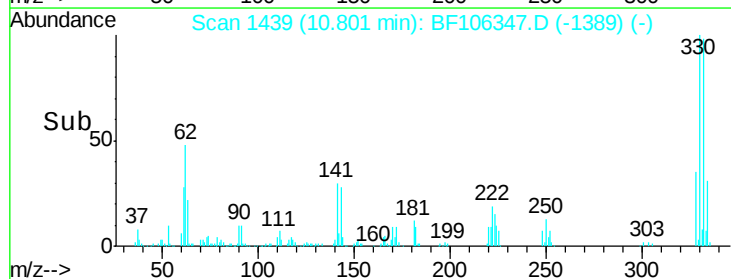
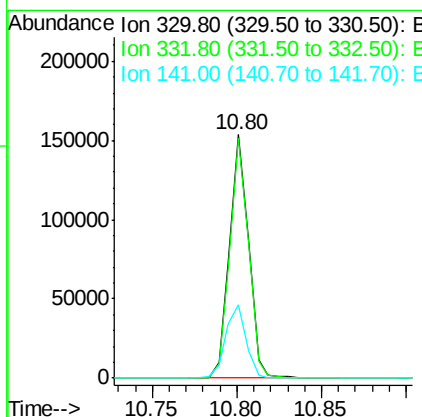
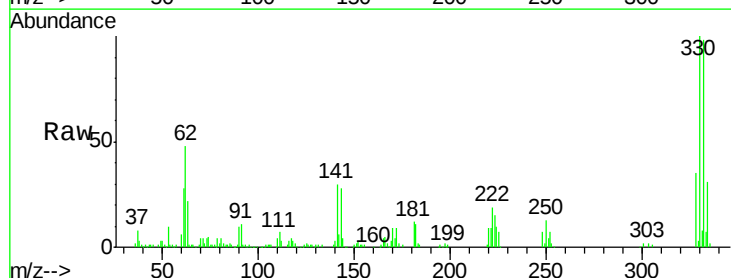
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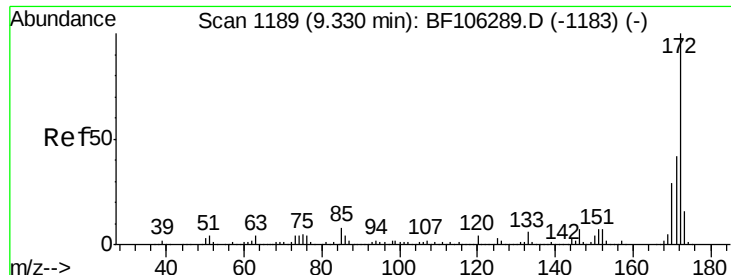
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#41
2,4,6-Tribromophenol
Concen: 55.292 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	32.0	29.9	44.9





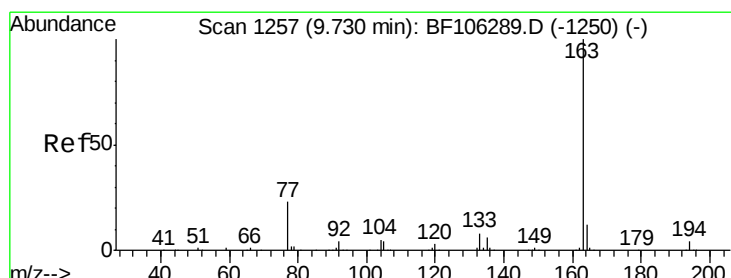
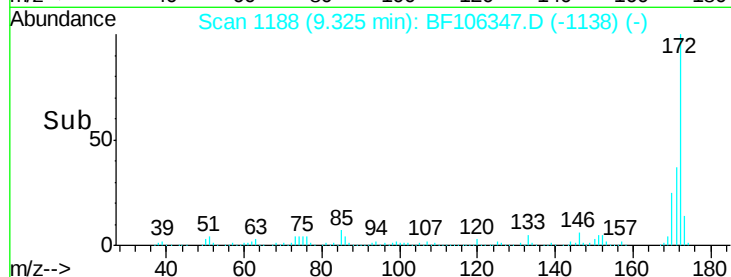
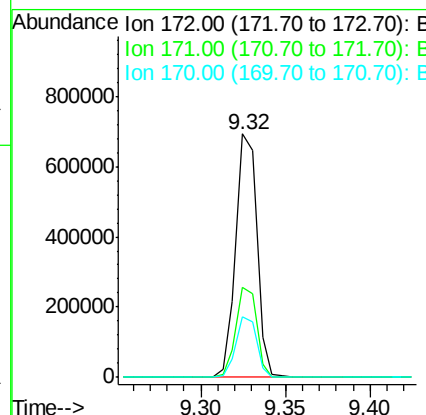
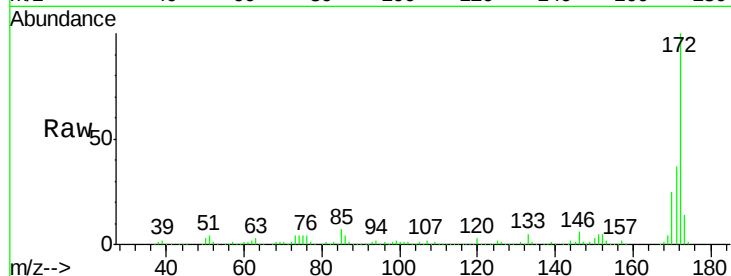
#44
2-Fluorobiphenyl
Concen: 38.157 ng
RT: 9.32 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Instrument :
BNA_F
ClientSampleId :
OR-03-061118

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.8	19.6	29.4

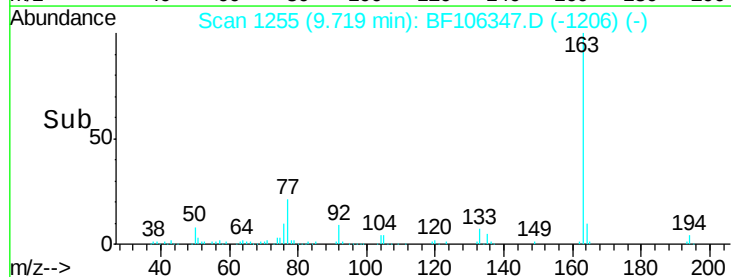
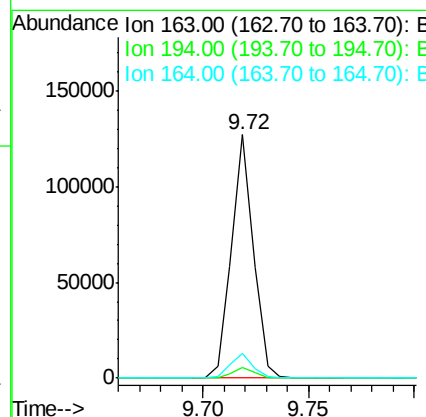
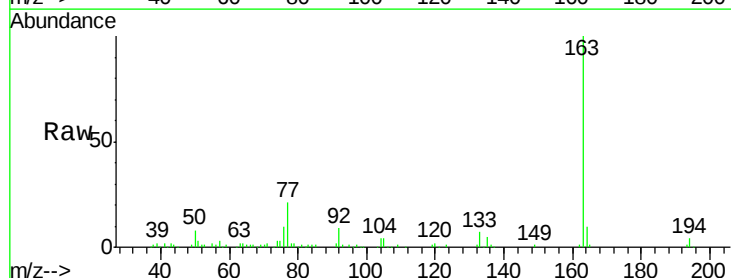
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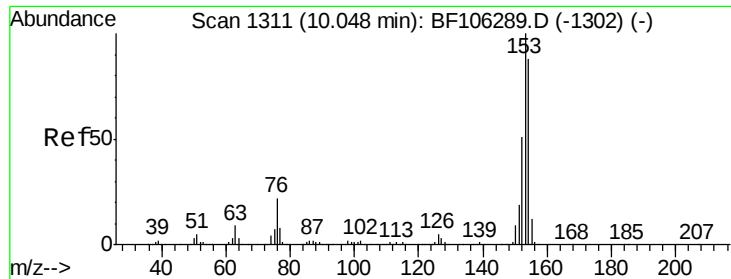
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#49
Dimethylphthalate
Concen: 5.662 ng
RT: 9.72 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.7	4.1#
164	10.0	8.2	12.2





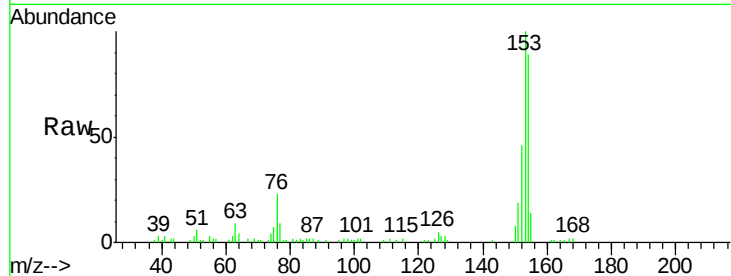
#51
Acenaphthene
Concen: 2.367 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Instrument :
BNA_F
ClientSampleId :
OR-03-061118

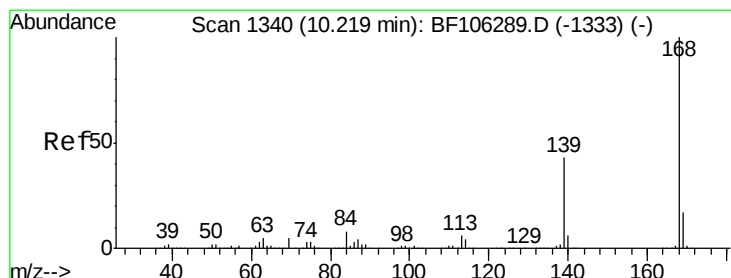
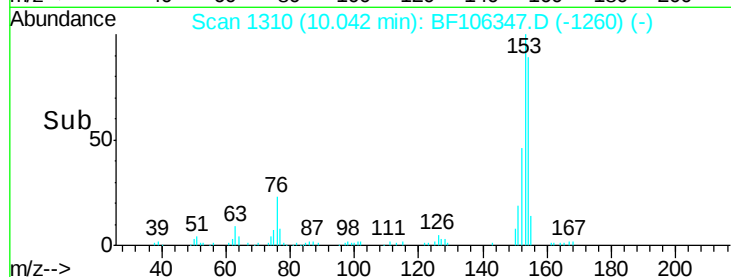
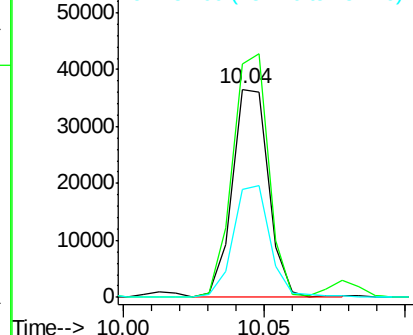
Tot Ion	Ratio	Lower	Upper
154	100		
153	111.8	91.2	136.8
152	51.7	43.8	65.8

Manual Integrations
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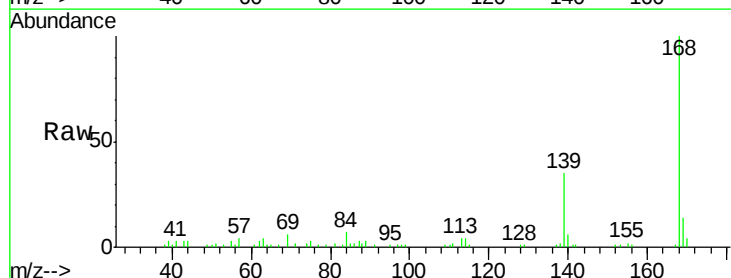


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

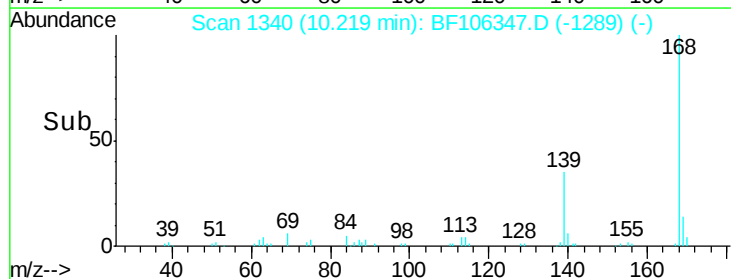
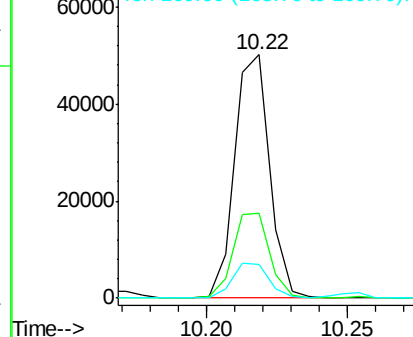


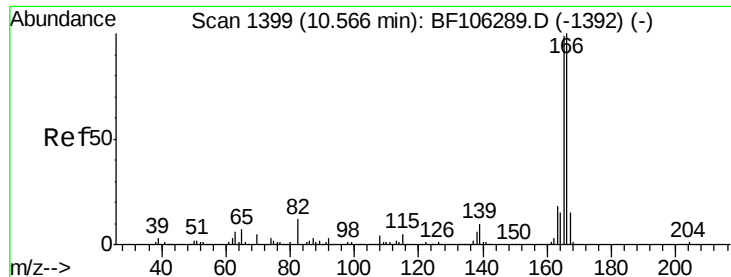
#54
Dibenzofuran
Concen: 2.312 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.6	30.1	45.1
169	13.6	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





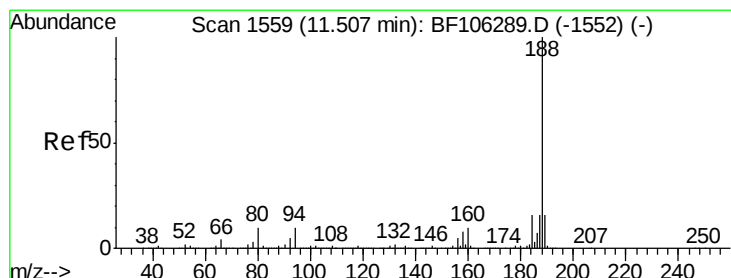
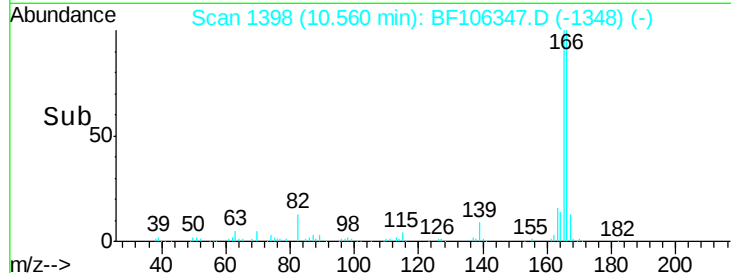
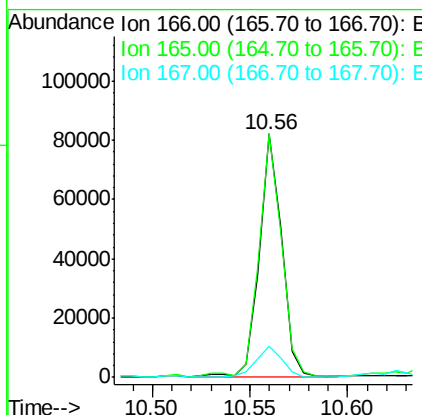
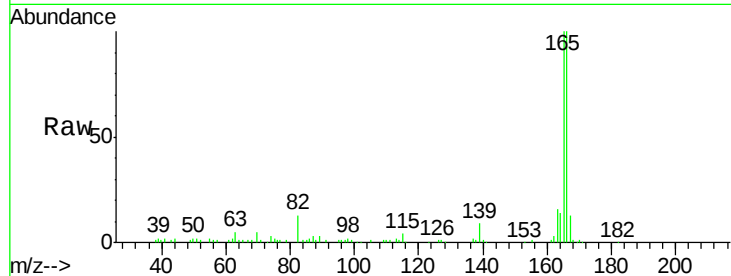
#57
Fluorene
 Concen: 4.462 ng
 RT: 10.56 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF106347.D
 Acq: 12 Jun 2018 16:27

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061118

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.8	119.8
167	12.7	10.6	16.0

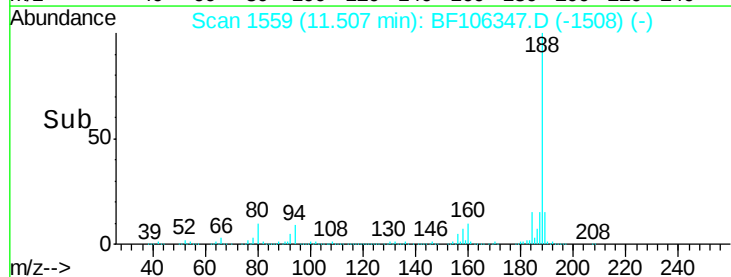
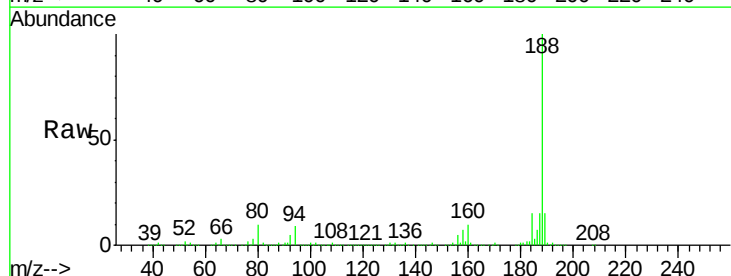
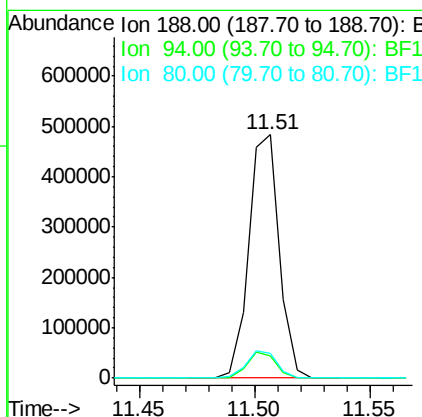
Manual Integrations
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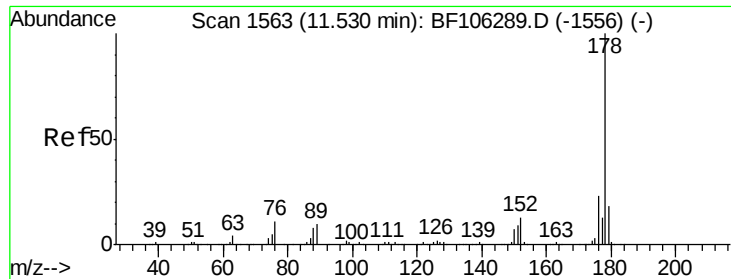
Sohil
 6/13/2018 4:56:12 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: BF106347.D
 Acq: 12 Jun 2018 16:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	10.0	9.2	13.8





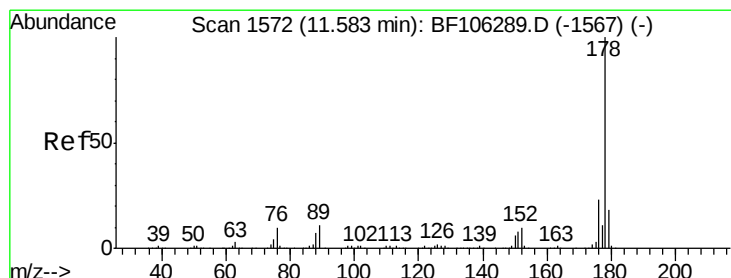
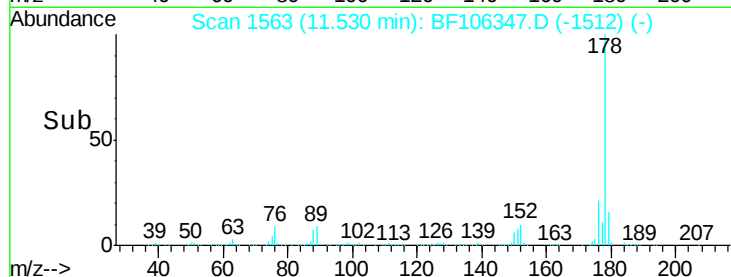
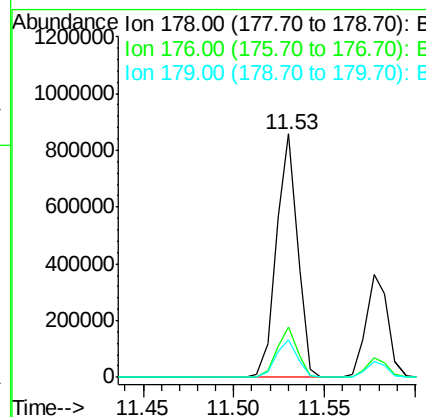
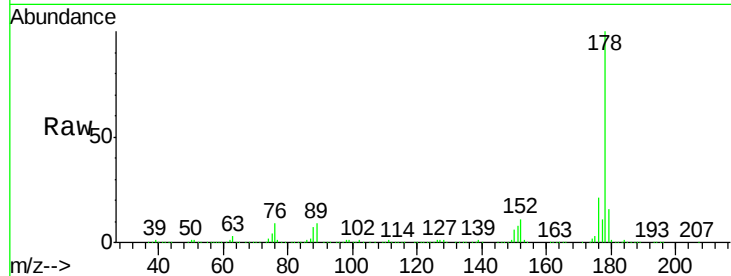
#70
Phenanthrene
Concen: 31.848 ng
RT: 11.53 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Instrument :
BNA_F
ClientSampleId :
OR-03-061118

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.8	23.8
179	15.6	13.0	19.6

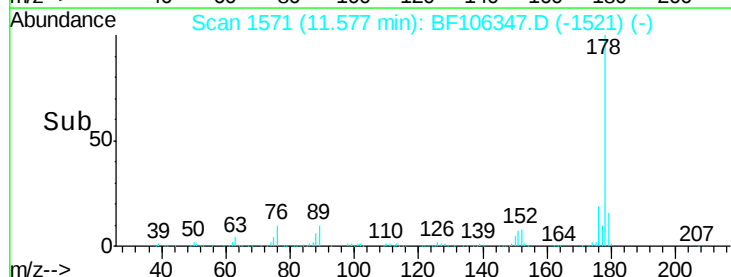
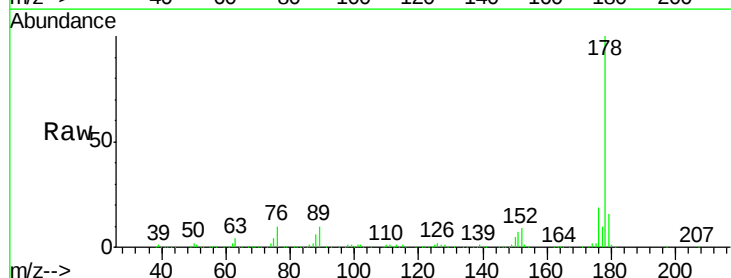
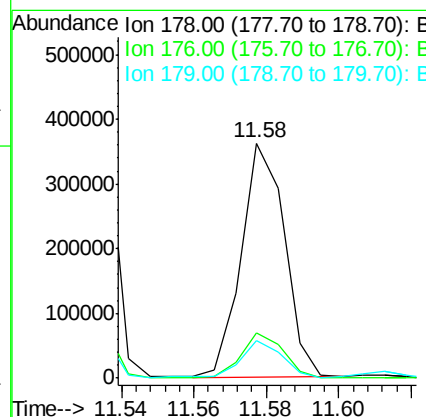
Manual Integrations
APPROVED

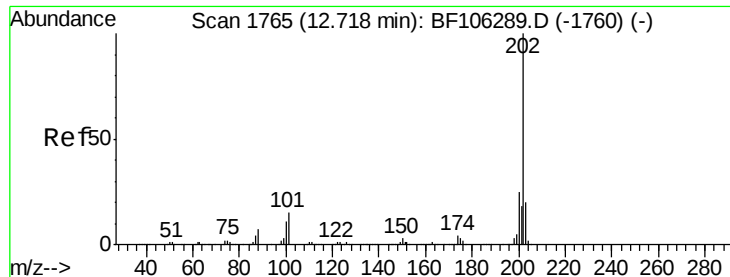
Sohil
6/13/2018 4:56:12 PM



#71
Anthracene
Concen: 13.753 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.8	12.6	19.0





#74

Fluoranthene

Concen: 54.958 ng

RT: 12.72 min Scan# 1766

Delta R.T. 0.01 min

Lab File: BF106347.D

Acq: 12 Jun 2018 16:27

Instrument :

BNA_F

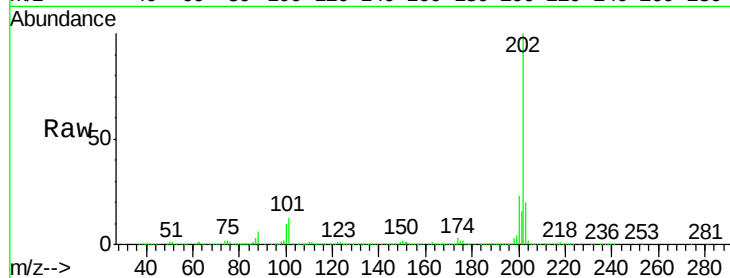
ClientSampleId :

OR-03-061118

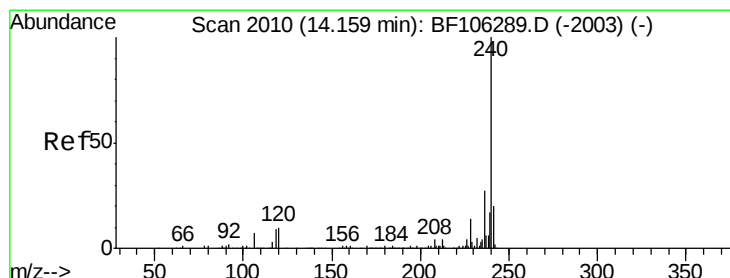
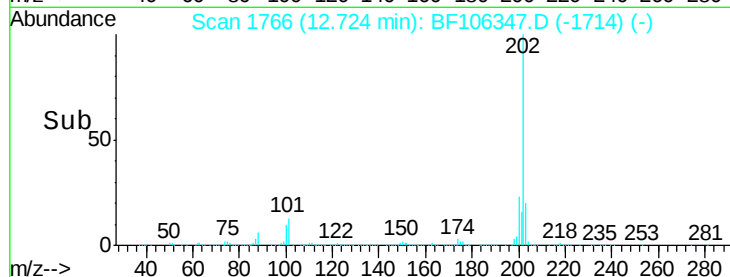
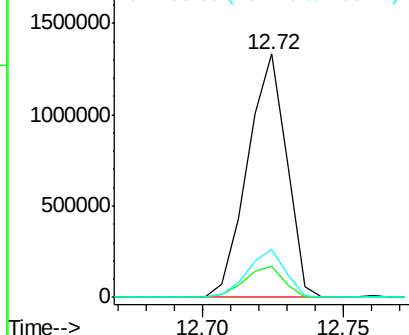
Tot Ion:	202	Resp:	1275684
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	34.1
203	19.6	0.0	38.1

Manual Integrations
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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

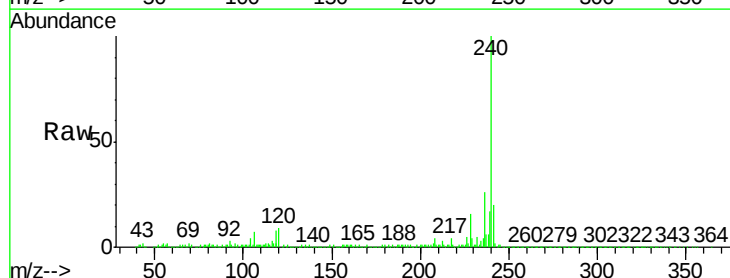
RT: 14.17 min Scan# 2011

Delta R.T. 0.01 min

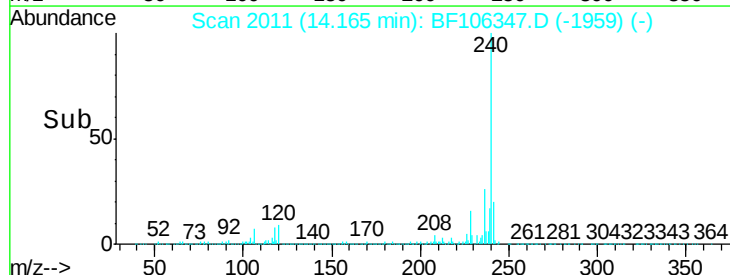
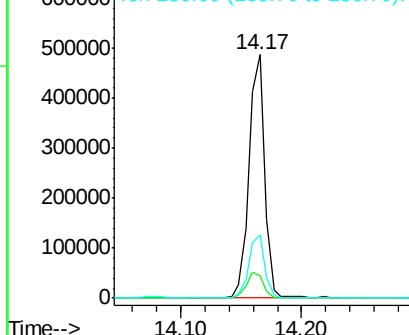
Lab File: BF106347.D

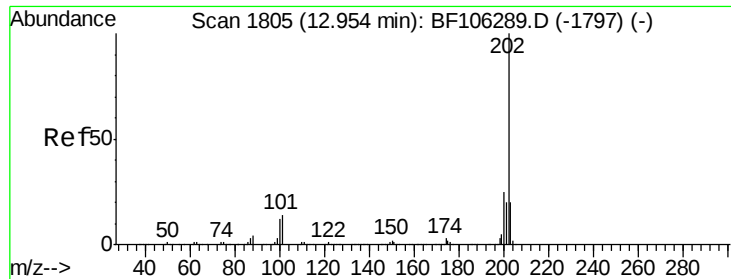
Acq: 12 Jun 2018 16:27

Tgt Ion:	240	Resp:	442188
Ion Ratio	Lower	Upper	
240	100		
120	9.2	9.5	14.3#
236	26.2	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





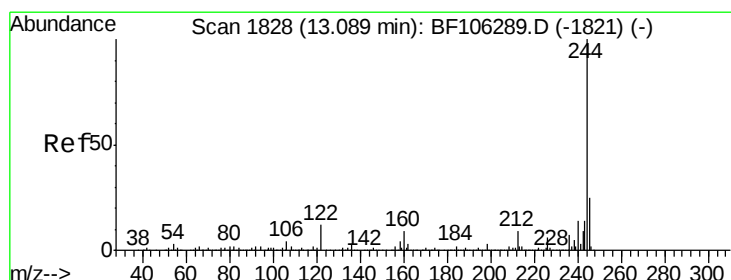
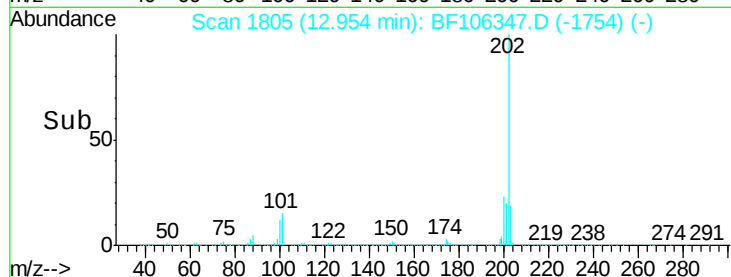
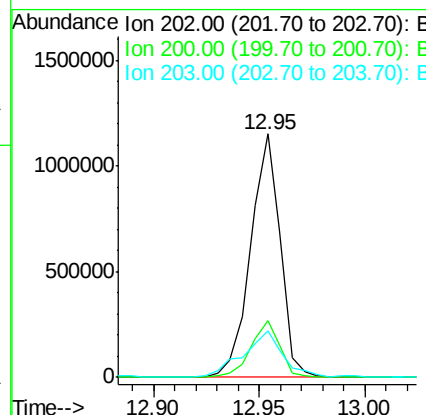
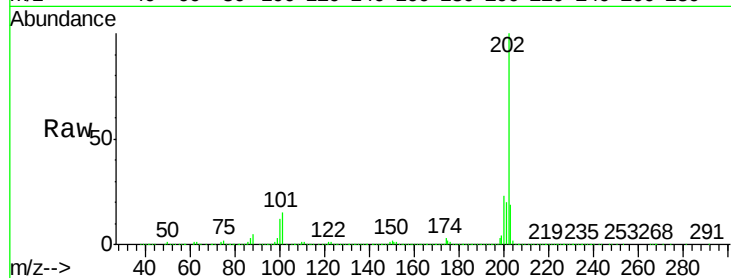
#77
Pvrene
Concen: 40.383 ng
RT: 12.95 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Instrument :
BNA_F
ClientSampleId :
OR-03-061118

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.3	17.4	26.2
203	19.3	14.3	21.5

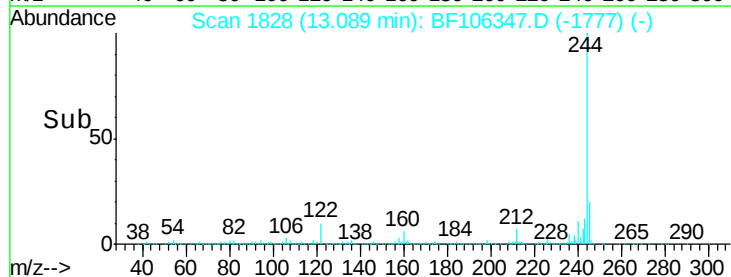
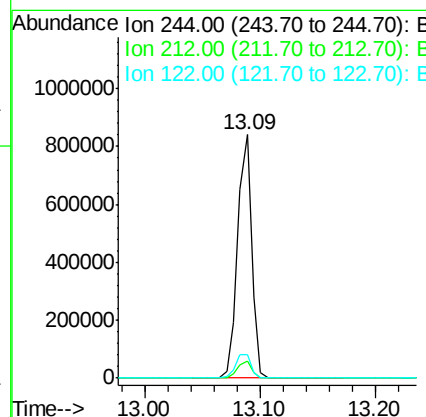
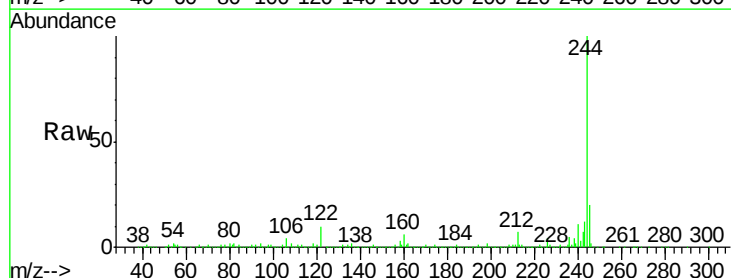
Manual Integrations
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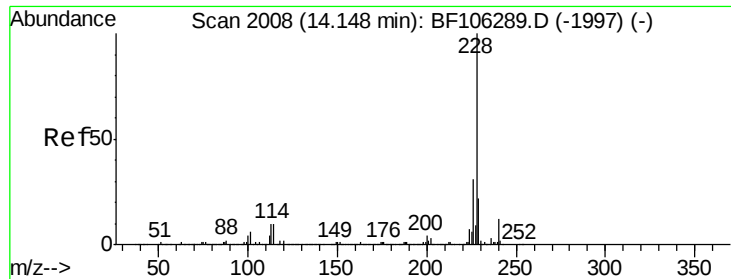
Sohil
6/13/2018 4:56:12 PM



#78
Terphenyl-d14
Concen: 40.142 ng
RT: 13.09 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	9.8	11.0	16.4#





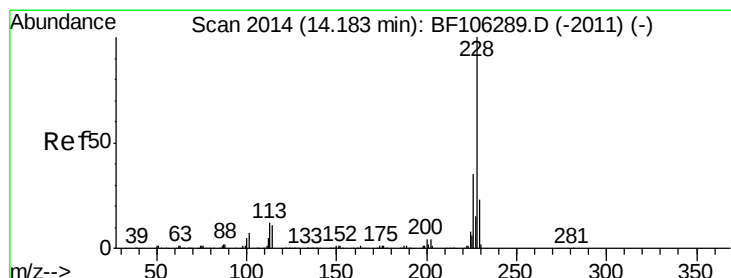
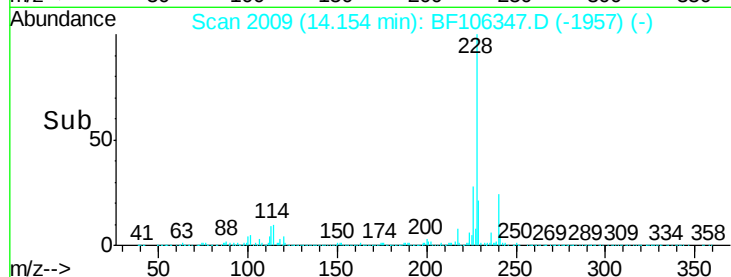
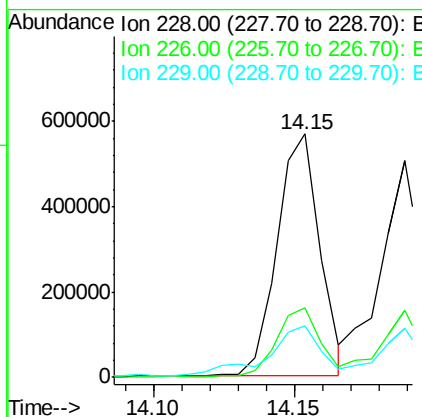
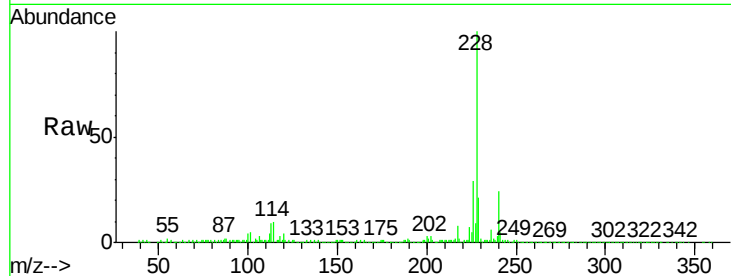
#80
Benzo(a)anthracene
Concen: 22.618 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Instrument :
BNA_F
ClientSampleId :
OR-03-061118

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	21.3	15.8	23.6

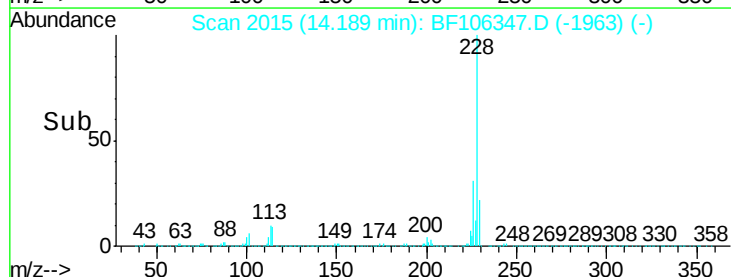
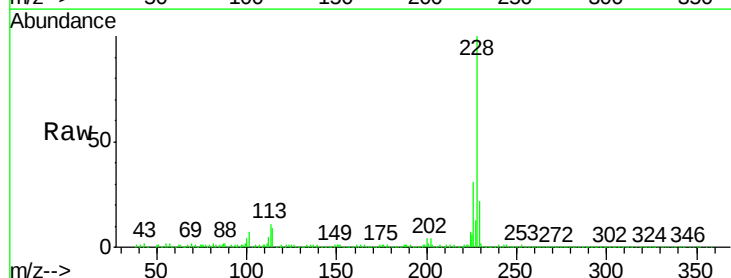
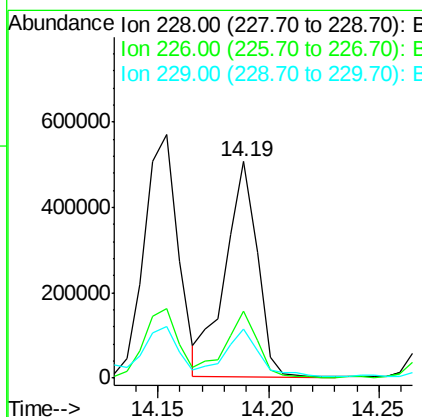
Manual Integrations
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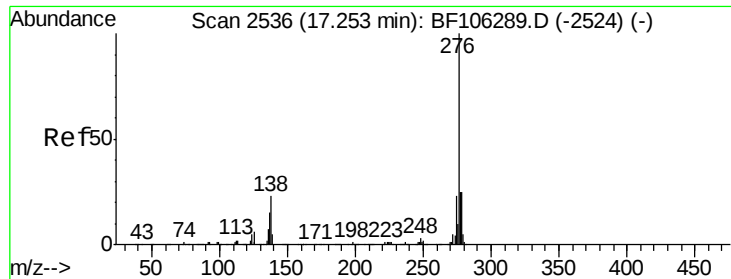
Sohil
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#82
Chrysene
Concen: 21.090 ng m
RT: 14.19 min Scan# 2015
Delta R.T. 0.01 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.4	16.2	24.4





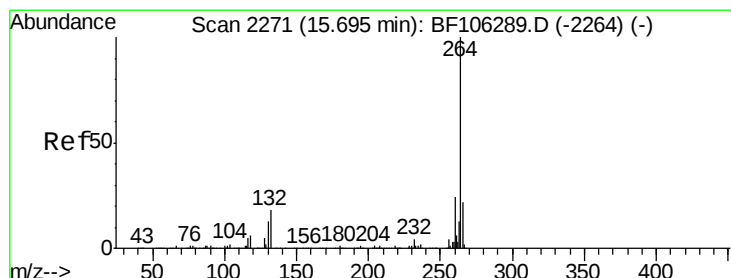
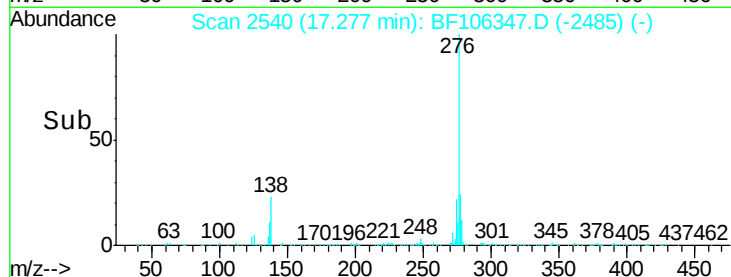
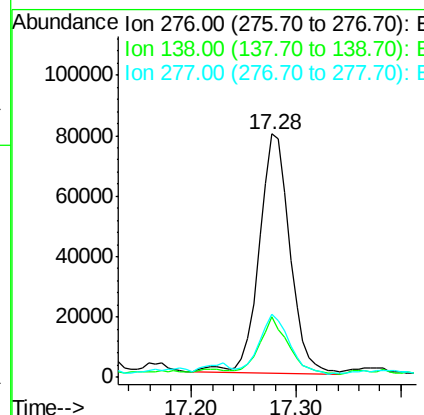
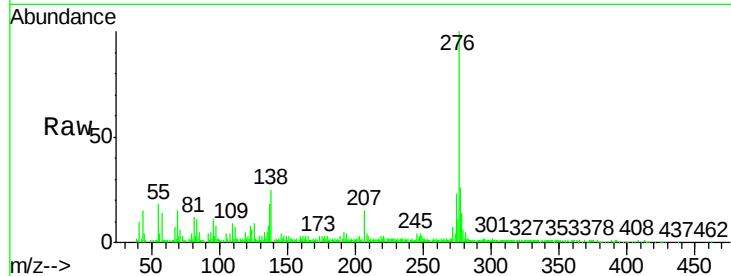
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.379 ng/ml
RT: 17.28 min Scan# 2540
Delta R.T. 0.02 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Instrument :
BNA_F
ClientSampled :
OR-03-061118

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.9	25.0	37.6#
277	4.7	20.1	30.1#

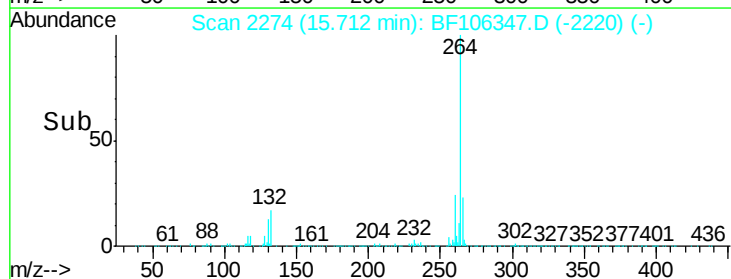
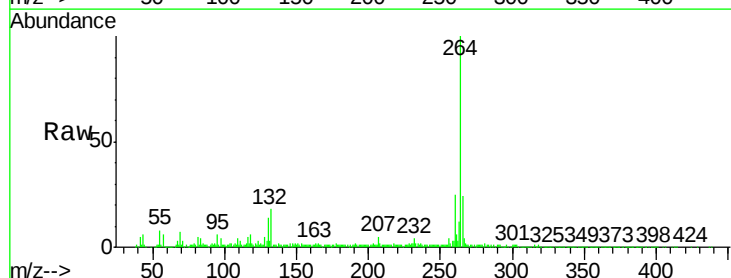
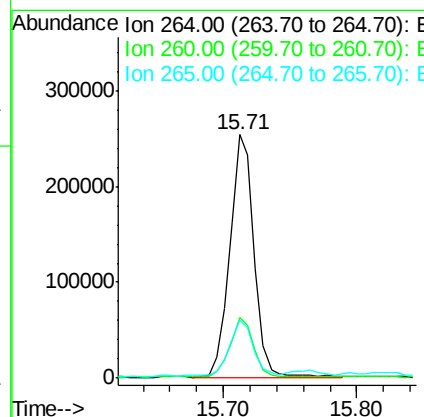
Manual Integrations
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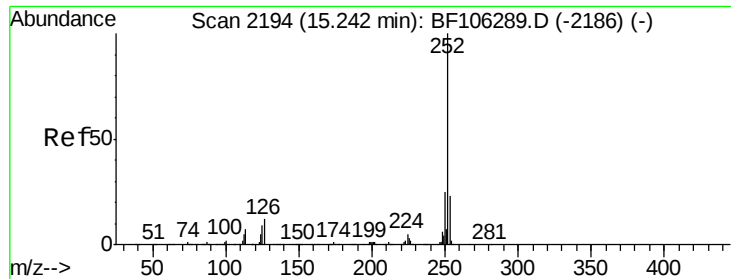
Sohil
6/13/2018 4:56:12 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	23.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 25.111 ng m

RT: 15.25 min Scan# 2196

Delta R.T. 0.01 min

Lab File: BF106347.D

Acq: 12 Jun 2018 16:27

Instrument :

BNA_F

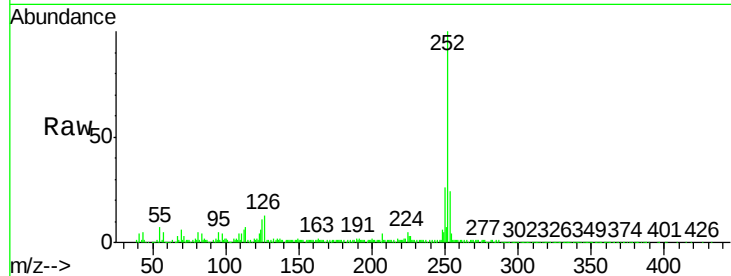
ClientSampleId :

OR-03-061118

Tot Ion:	252	Resp:	488802
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.0	25.6
125	11.5	9.0	13.6

Manual Integrations
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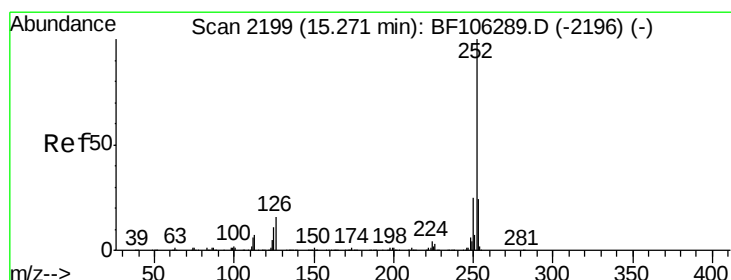
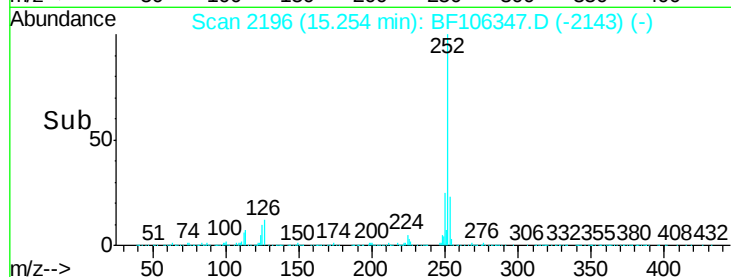
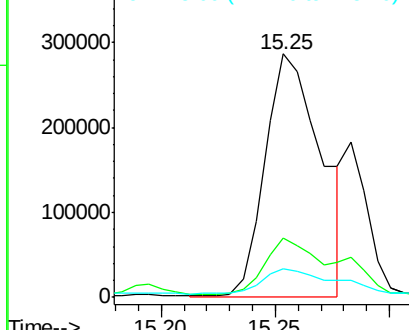


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 6.787 ng m

RT: 15.28 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF106347.D

Acq: 12 Jun 2018 16:27

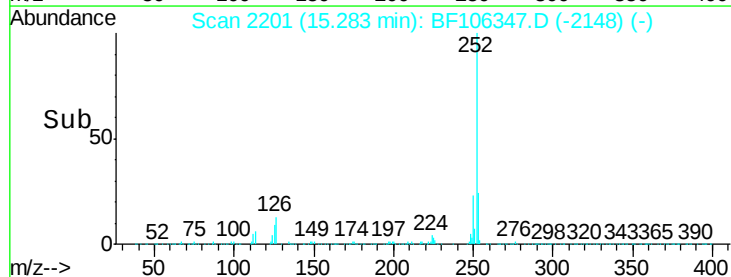
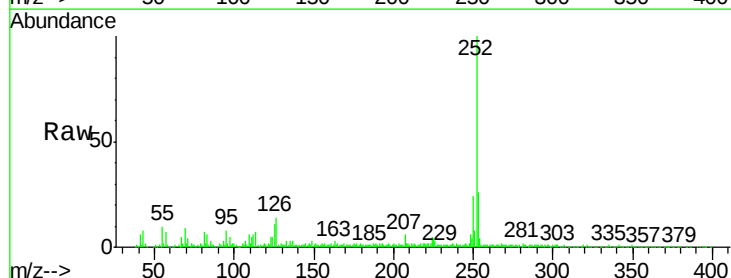
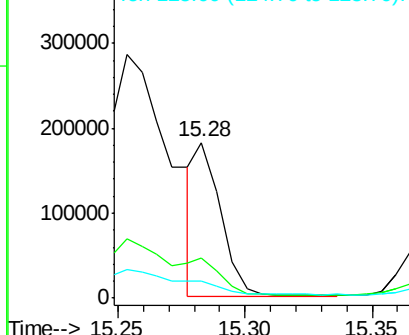
Tgt Ion:	252	Resp:	130850
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.9	26.9
125	10.9	10.2	15.2

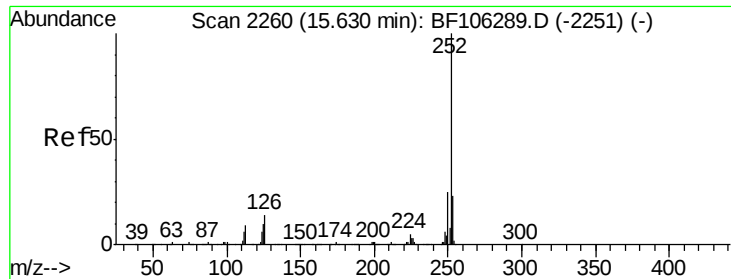
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





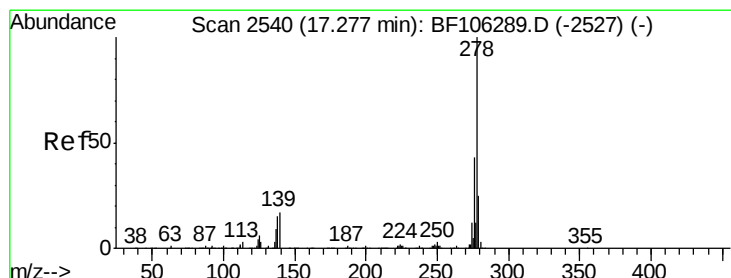
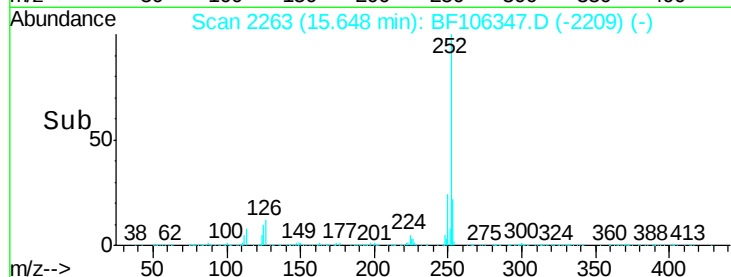
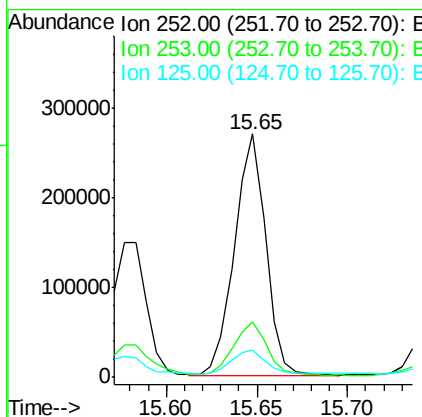
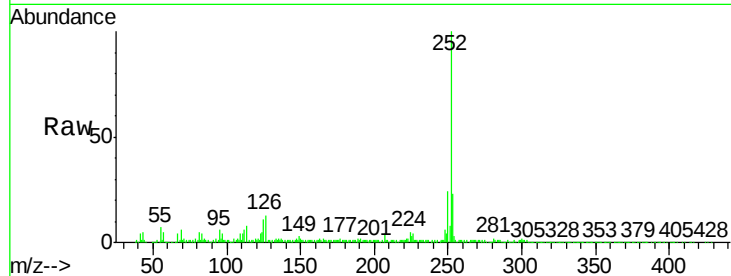
#89
Benzo(a)pyrene
Concen: 18.614 ng
RT: 15.65 min Scan# 2263
Delta R.T. 0.02 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Instrument :
BNA_F
ClientSampleId :
OR-03-061118

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	11.3	9.8	14.6

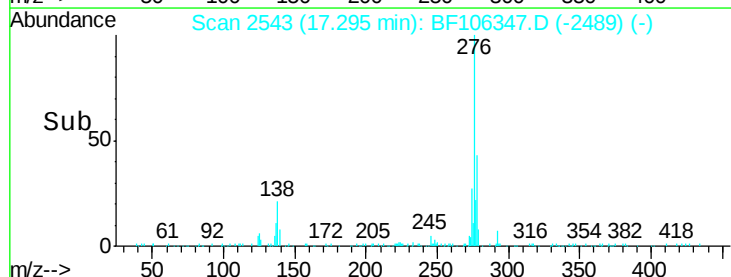
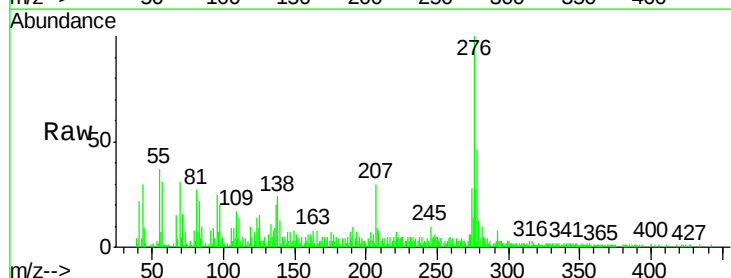
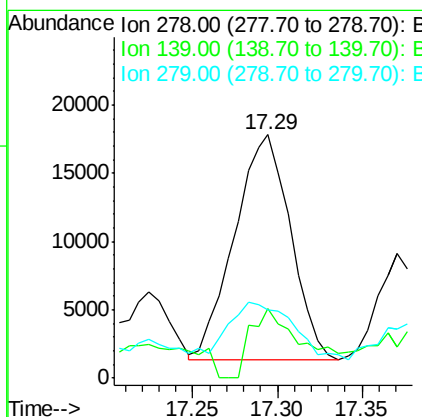
Manual Integrations
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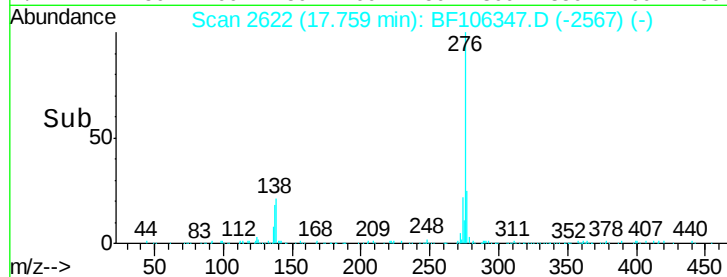
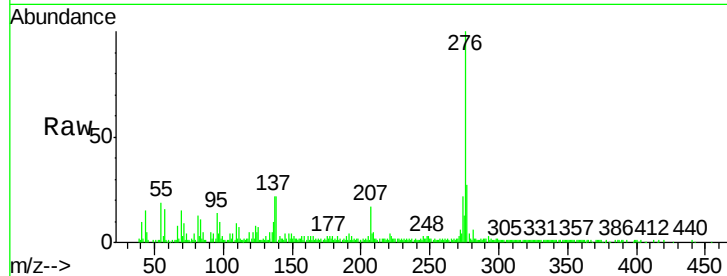
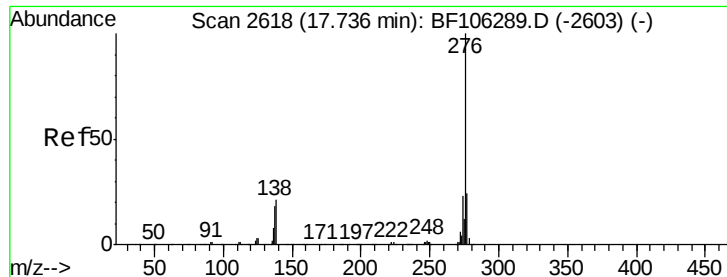
Sohil
6/13/2018 4:56:12 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.595 ng
RT: 17.29 min Scan# 2543
Delta R.T. 0.02 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.6	15.9	23.9#
279	27.8	19.0	28.4





#91
Benzo(a,h,i)perylene
Concen: 10.586 ng
RT: 17.76 min Scan# 2622
Delta R.T. 0.02 min
Lab File: BF106347.D
Acq: 12 Jun 2018 16:27

Instrument :
BNA_F
ClientSampleId :
OR-03-061118

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	17.9	26.9
138	22.2	21.8	32.8

Manual Integrations
APPROVED

Sohil
6/13/2018 4:56:12 PM

