

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071218\
 Data File : BF107347.D
 Acq On : 12 Jul 2018 18:54
 Operator : JU/SJ
 Sample : J3832-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-071018

Quant Time: Jul 13 02:31:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 11 16:39:37 2018
 Response via : Initial Calibration

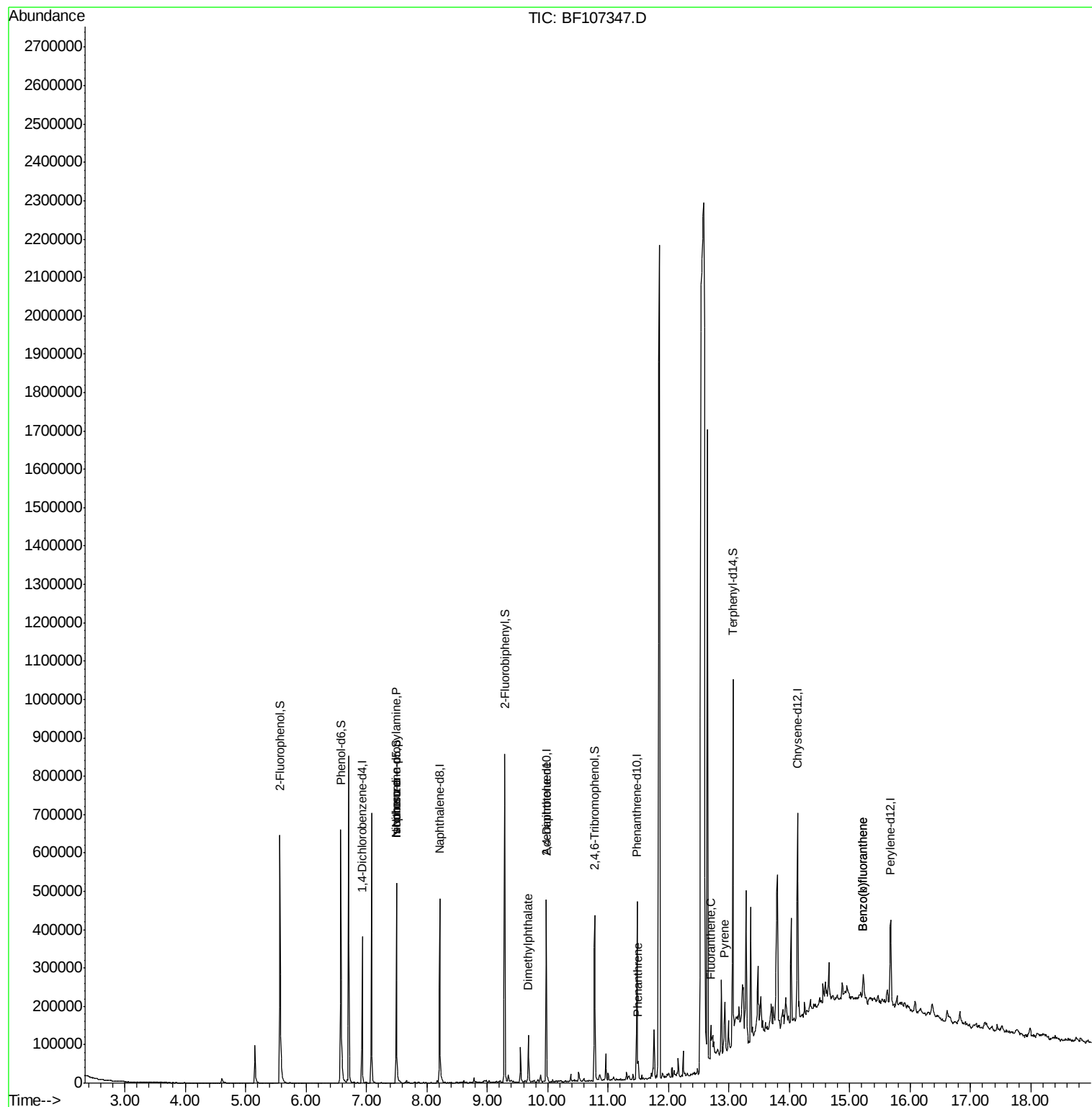
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	60912	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	218021	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	94126	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	181275	20.00	ng	0.00
75) Chrysene-d12	14.14	240	181892	20.00	ng	0.00
86) Perylene-d12	15.68	264	124494	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	227079	63.13	ng	0.00
7) Phenol-d6	6.58	99	274140	61.03	ng	0.00
23) Nitrobenzene-d5	7.50	82	164951	42.05	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	62861	57.62	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	281225	43.34	ng	0.00
78) Terphenyl-d14	13.07	244	328914	43.80	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.50	70	21197	7.158	ng	# 73
25) Isophorone	7.50	82	164951	23.861	ng	# 64
49) Dimethylphthalate	9.68	163	46628	6.605	ng	98
56) 2,4-Dinitrotoluene	9.98	165	11914	6.106	ng	# 21
70) Phenanthrene	11.50	178	18377	2.102	ng	98
74) Fluoranthene	12.70	202	33194	3.444	ng	97
77) Pyrene	12.94	202	31520	2.628	ng	98
87) Benzo(b)fluoranthene	15.22	252	23925	3.094	ng	# 78
88) Benzo(k)fluoranthene	15.22	252	23925	3.249	ng	# 82

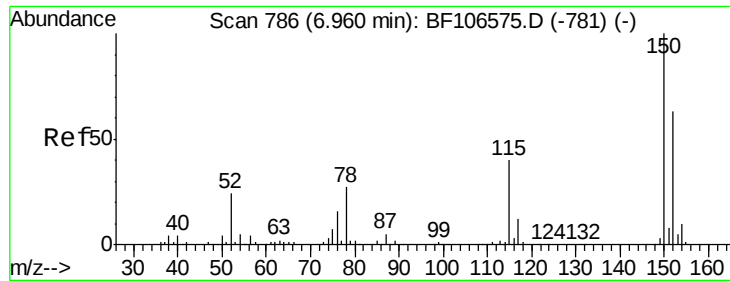
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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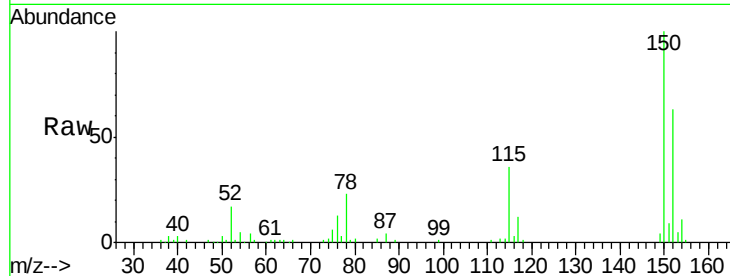


#1

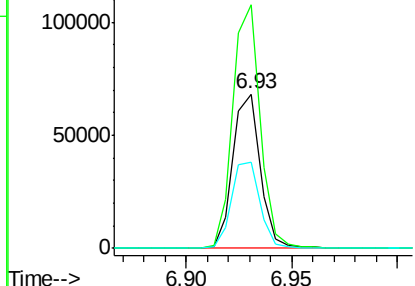
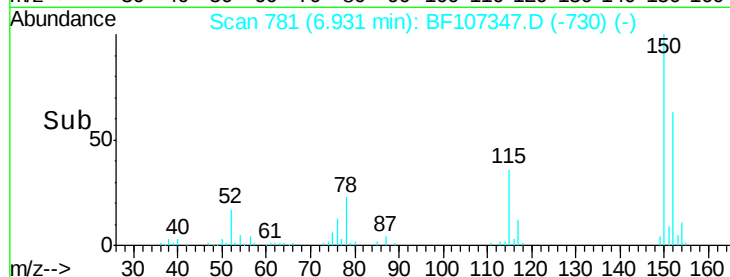
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF107347.D
Acq: 12 Jul 2018 18:54

Instrument :
BNA_F
ClientSampleId :
TR-05-071018

Tgt Ion:152 Resp: 60912
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 56.3 50.1 75.1



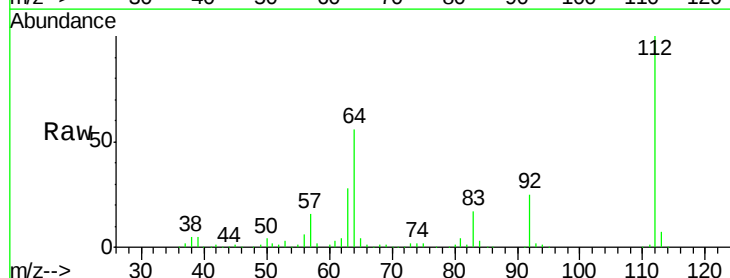
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



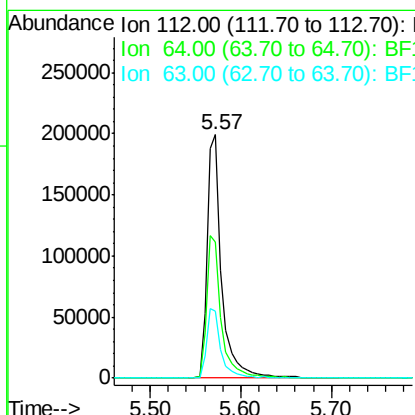
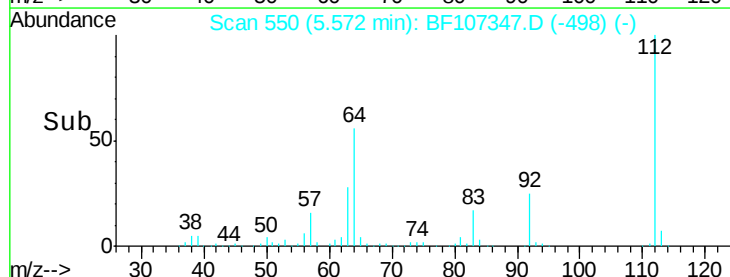
#5

2-Fluorophenol
Concen: 63.127 ng
RT: 5.57 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF107347.D
Acq: 12 Jul 2018 18:54

Tgt Ion:112 Resp: 227079
Ion Ratio Lower Upper
112 100
64 55.8 47.9 71.9
63 27.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 61.026 ng

RT: 6.58 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF107347.D

Acq: 12 Jul 2018 18:54

Instrument :

BNA_F

ClientSampleId :

TR-05-071018

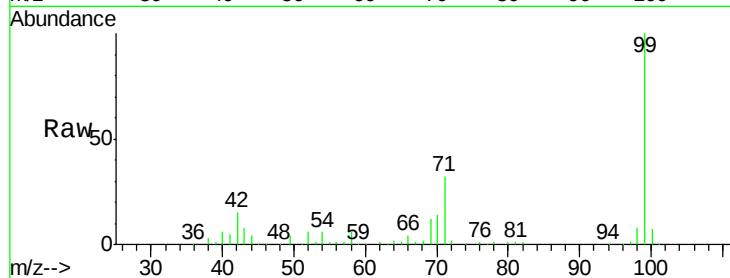
Tgt Ion: 99 Resp: 274140

Ion Ratio Lower Upper

99 100

42 14.8 14.5 21.7

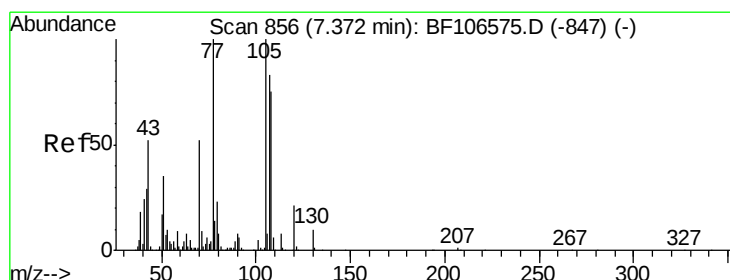
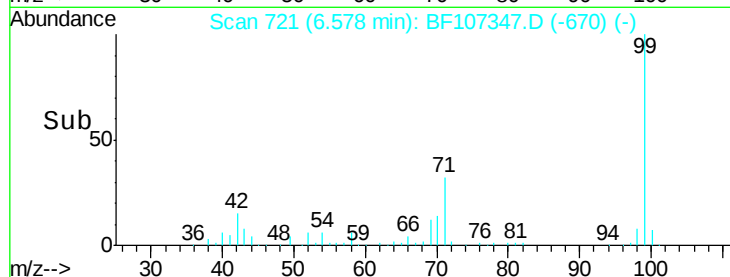
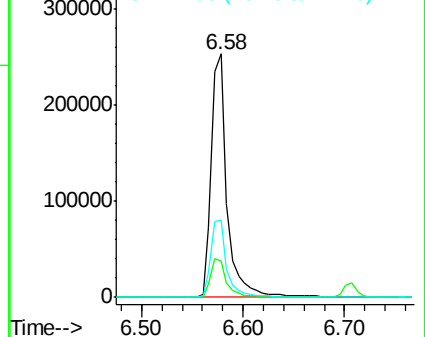
71 31.7 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 7.158 ng

RT: 7.50 min Scan# 877

Delta R.T. 0.15 min

Lab File: BF107347.D

Acq: 12 Jul 2018 18:54

Tgt Ion: 70 Resp: 21197

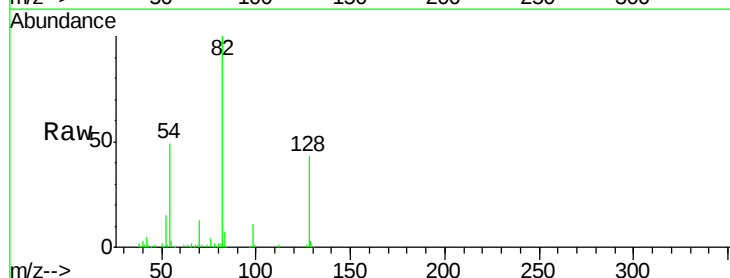
Ion Ratio Lower Upper

70 100

42 42.4 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

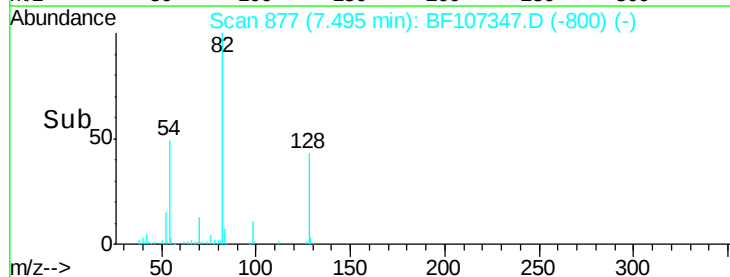
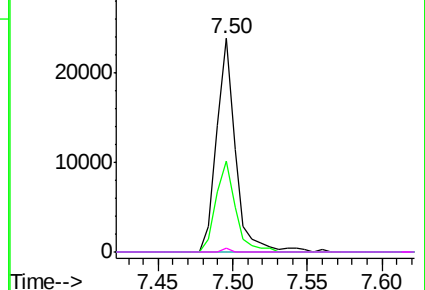


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

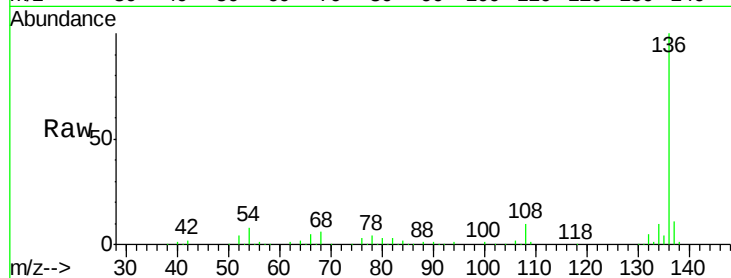




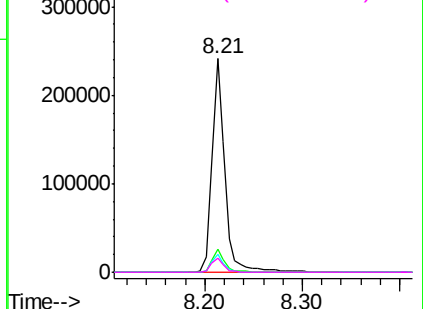
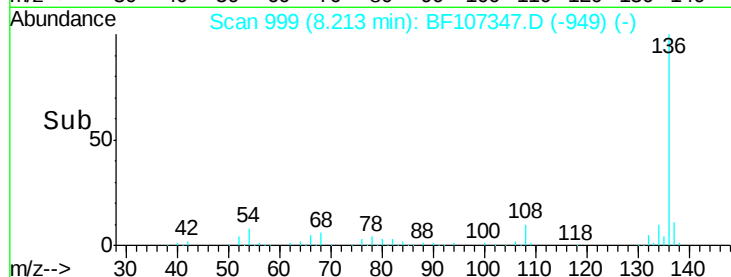
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF107347.D
Acq: 12 Jul 2018 18:54

Instrument :
BNA_F
ClientSampleId :
TR-05-071018

Tgt Ion:	136	Resp:	218021
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.3	6.6	9.8
68	6.4	5.0	7.4

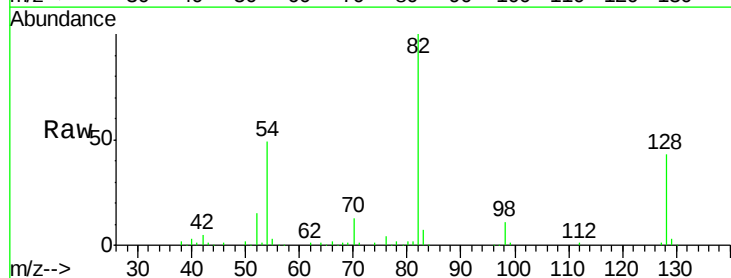


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

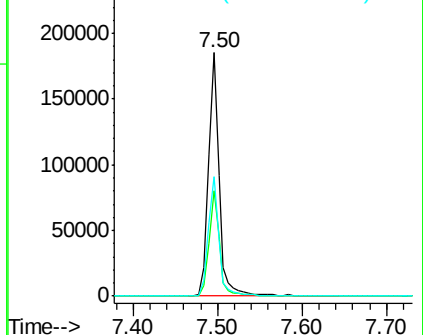
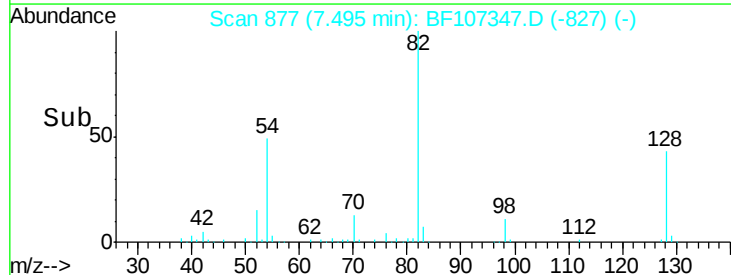


#23
Nitrobenzene-d5
Concen: 42.046 ng
RT: 7.50 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF107347.D
Acq: 12 Jul 2018 18:54

Tgt Ion:	82	Resp:	164951
Ion	Ratio	Lower	Upper
82	100		
128	43.3	36.1	54.1
54	49.1	41.4	62.2



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

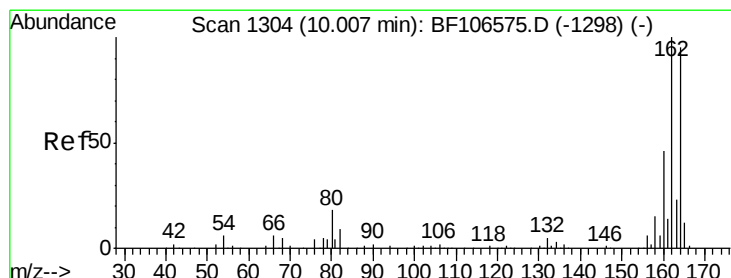
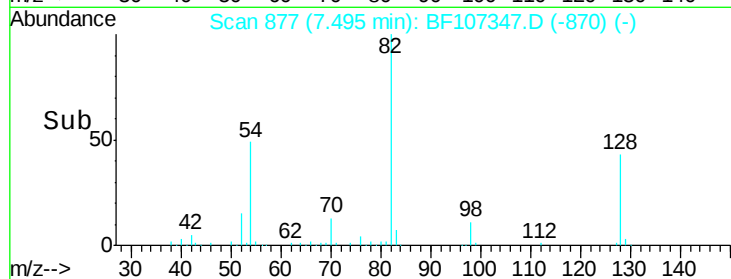
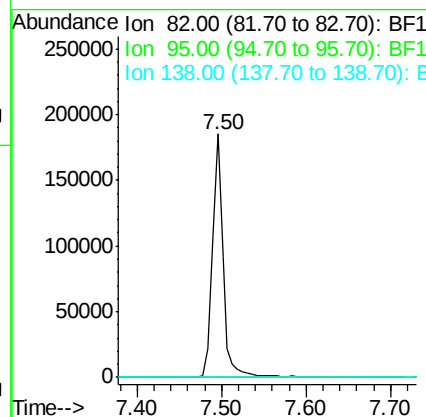
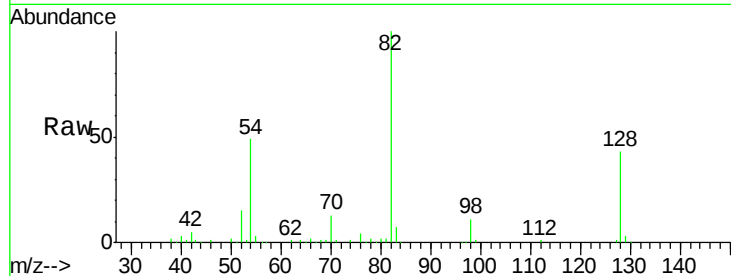




#25
Isophorone
Concen: 23.861 ng
RT: 7.50 min Scan# 877
Delta R.T. -0.26 min
Lab File: BF107347.D
Acq: 12 Jul 2018 18:54

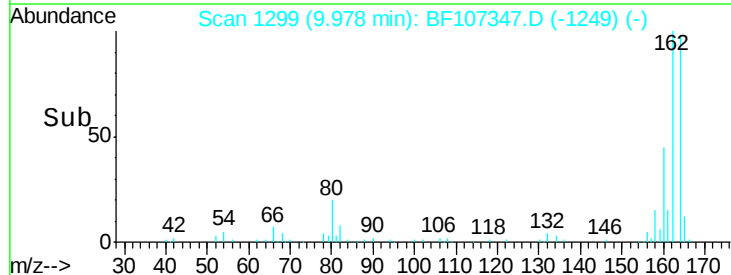
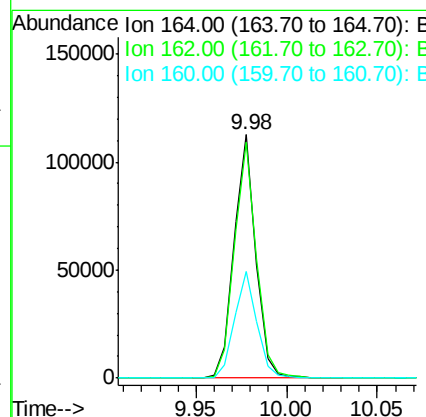
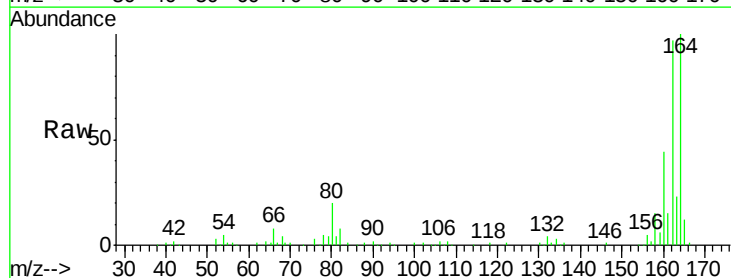
Instrument :
BNA_F
ClientSampleId :
TR-05-071018

Tgt Ion: 82 Resp: 164951
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF107347.D
Acq: 12 Jul 2018 18:54

Tgt Ion: 164 Resp: 94126
Ion Ratio Lower Upper
164 100
162 97.0 86.1 129.1
160 43.7 38.3 57.5

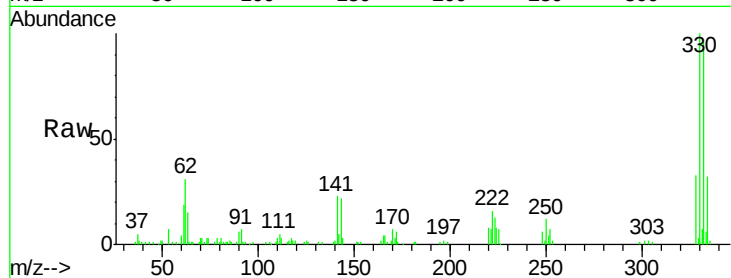




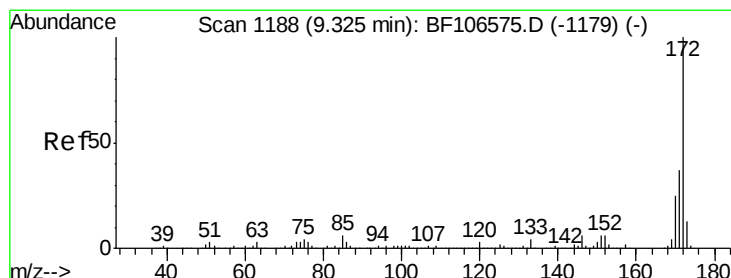
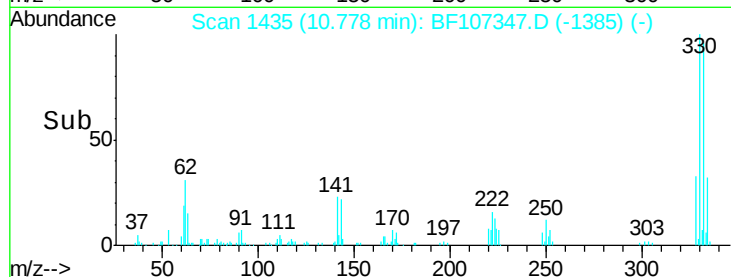
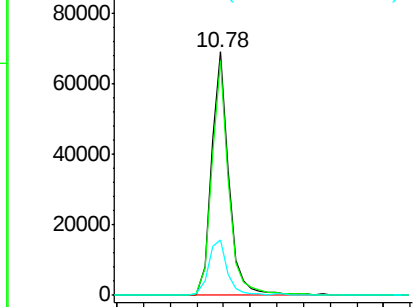
#41
 2,4,6-Tribromophenol
 Concen: 57.621 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF107347.D
 Acq: 12 Jul 2018 18:54

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-071018

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.0	115.6
141	24.6	29.9	44.9#

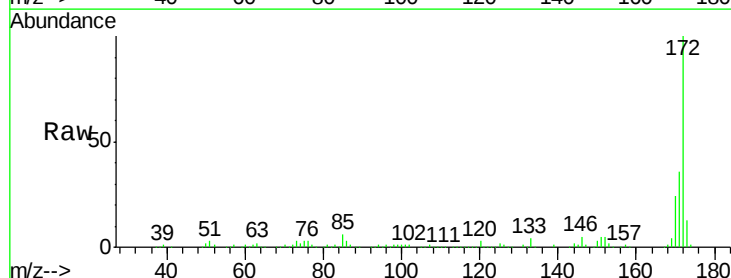


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

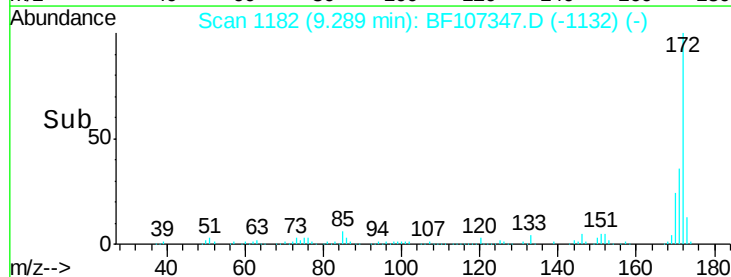
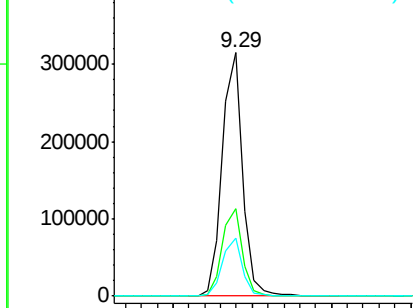


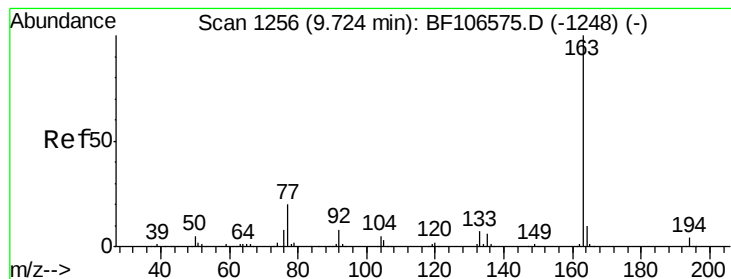
#44
 2-Fluorobiphenyl
 Concen: 43.342 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF107347.D
 Acq: 12 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.8	19.6	29.4



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: 6.605 ng

RT: 9.68 min Scan# 1249

Delta R.T. -0.01 min

Lab File: BF107347.D

Acq: 12 Jul 2018 18:54

Instrument :

BNA_F

ClientSampleId :

TR-05-071018

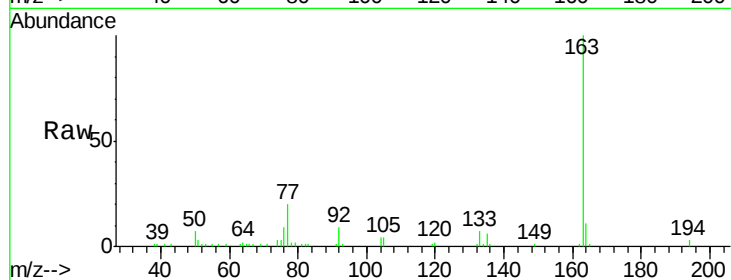
Tgt Ion:163 Resp: 46628

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

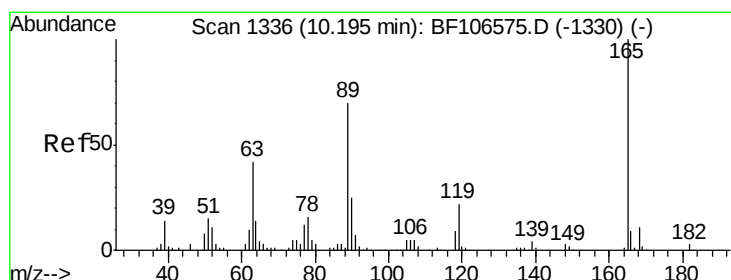
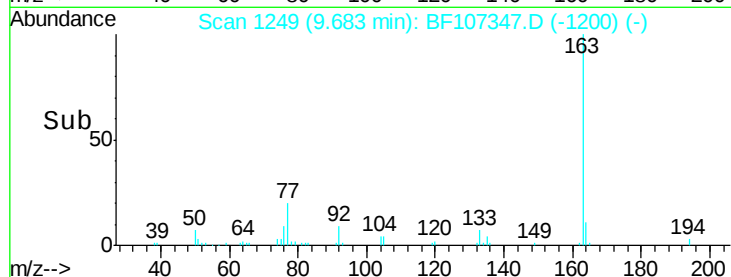
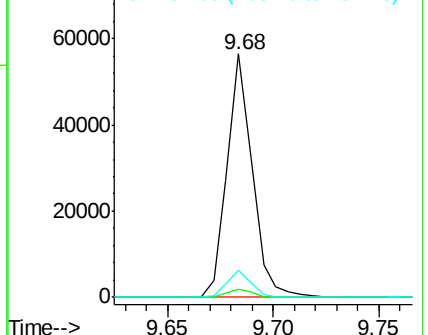
164 11.0 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.106 ng

RT: 9.98 min Scan# 1299

Delta R.T. -0.21 min

Lab File: BF107347.D

Acq: 12 Jul 2018 18:54

Tgt Ion:165 Resp: 11914

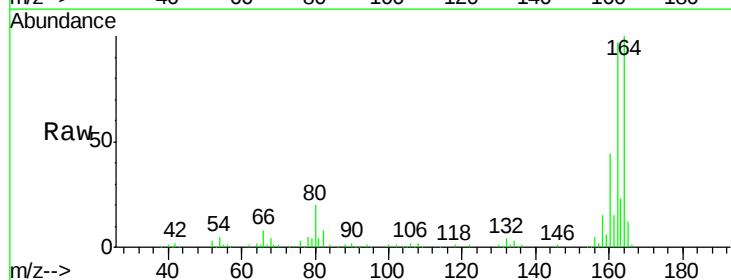
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

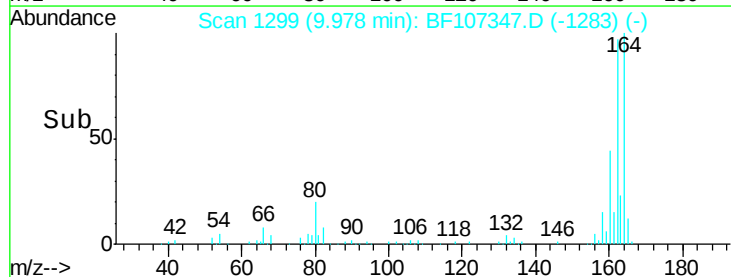
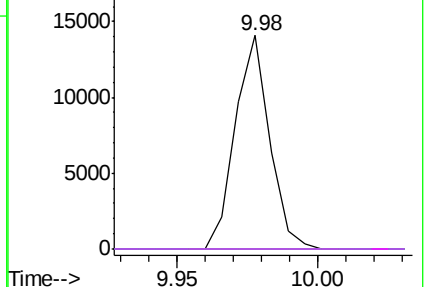


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

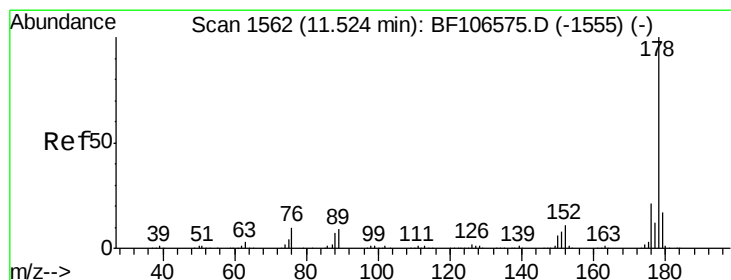
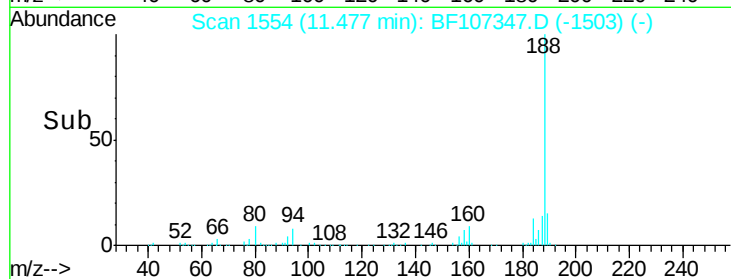
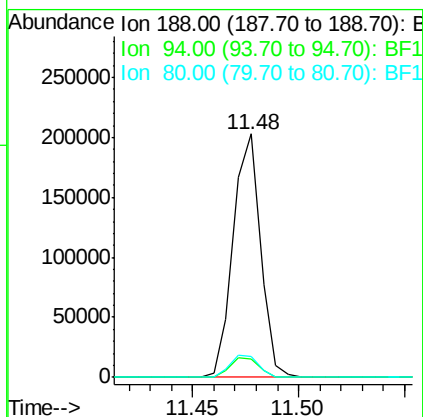
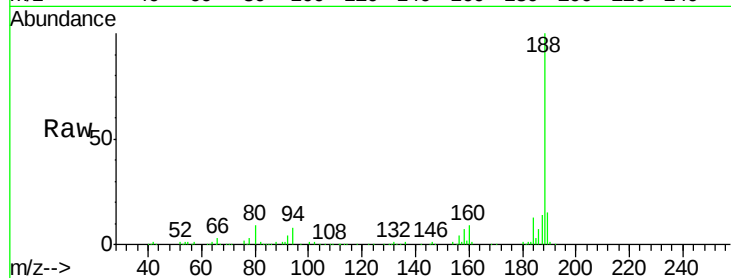




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. 0.00 min
Lab File: BF107347.D
Acq: 12 Jul 2018 18:54

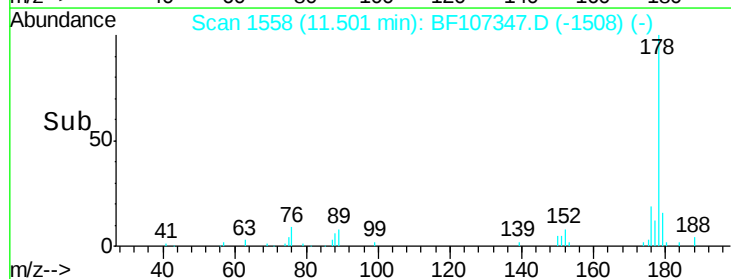
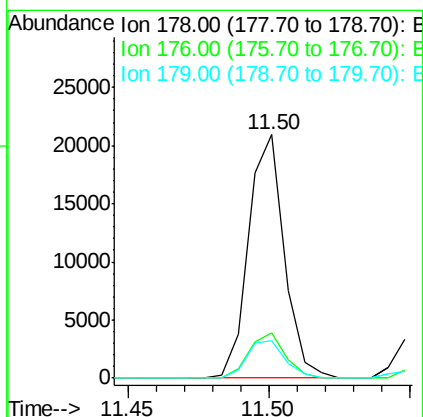
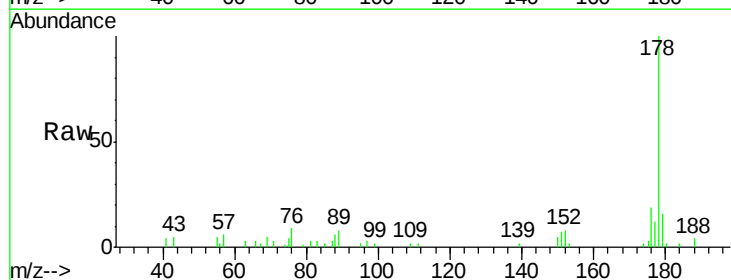
Instrument :
BNA_F
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TR-05-071018

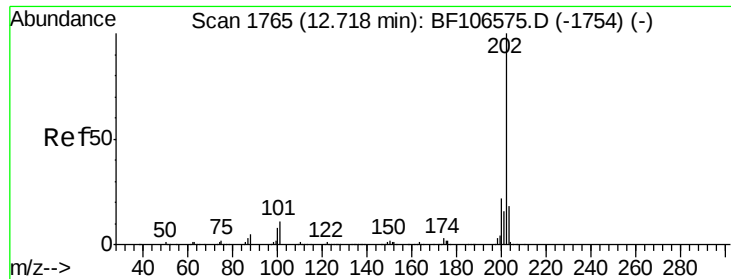
Tgt Ion:188 Resp: 181275
Ion Ratio Lower Upper
188 100
94 7.8 8.5 12.7#
80 8.8 9.2 13.8#



#70
Phenanthrene
Concen: 2.102 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107347.D
Acq: 12 Jul 2018 18:54

Tgt Ion:178 Resp: 18377
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.5 13.0 19.6





#74

Fluoranthene

Concen: 3.444 ng

RT: 12.70 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF107347.D

Acq: 12 Jul 2018 18:54

Instrument :

BNA_F

ClientSampleId :

TR-05-071018

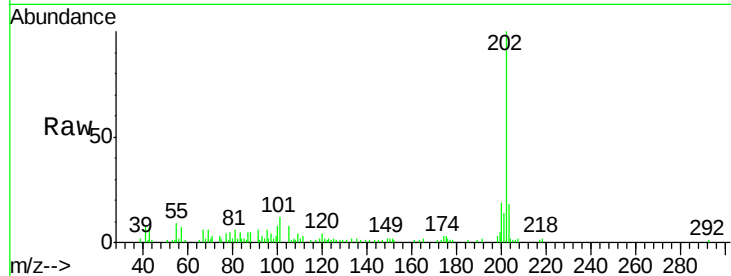
Tgt Ion:202 Resp: 33194

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

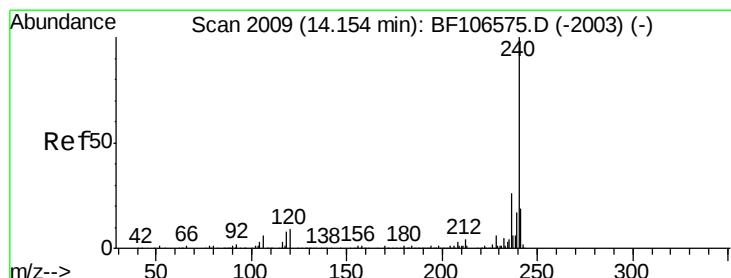
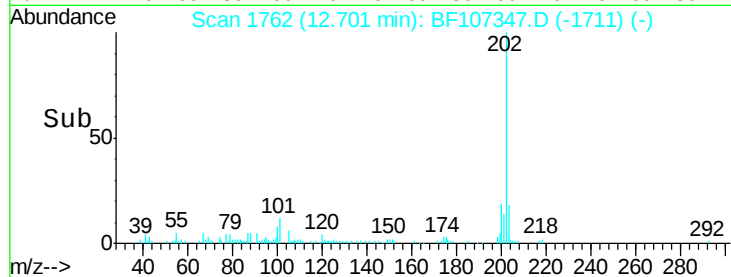
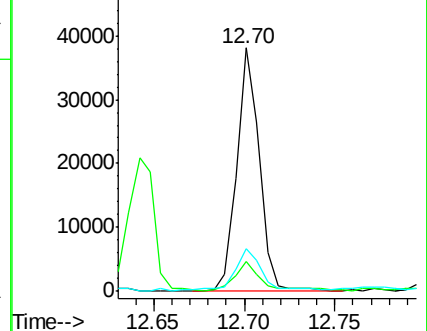
203 17.6 0.0 38.1



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: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF107347.D

Acq: 12 Jul 2018 18:54

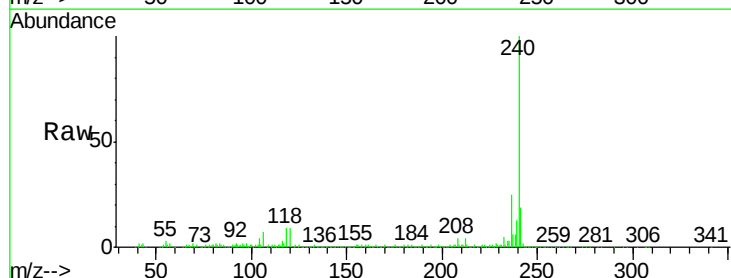
Tgt Ion:240 Resp: 181892

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

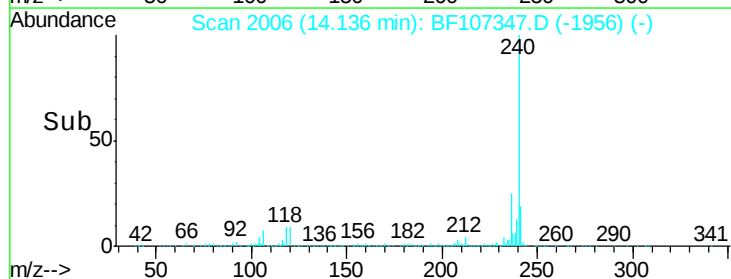
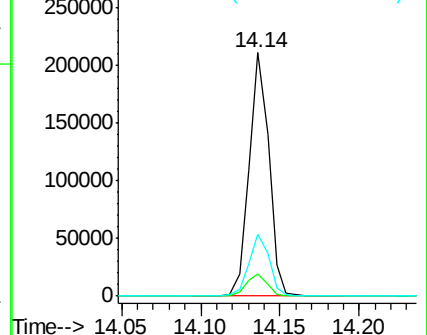
236 25.3 20.7 31.1

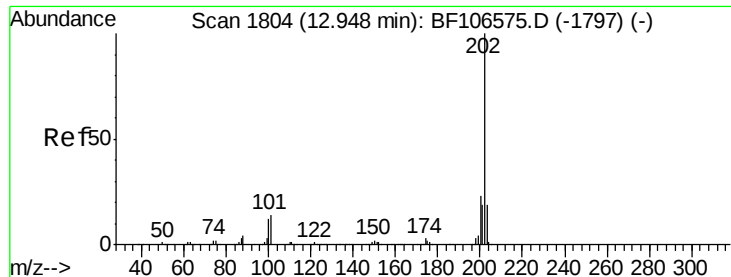


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.628 ng

RT: 12.94 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BF107347.D

Acq: 12 Jul 2018 18:54

Instrument :

BNA_F

ClientSampleId :

TR-05-071018

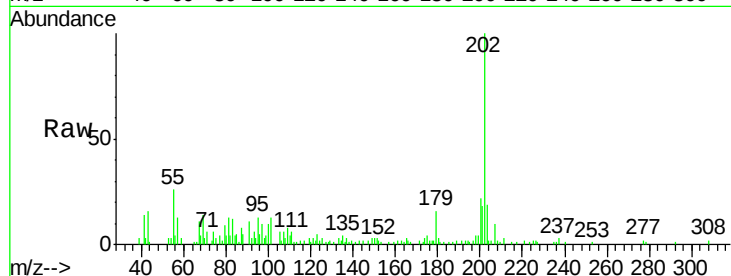
Tgt Ion:202 Resp: 31520

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

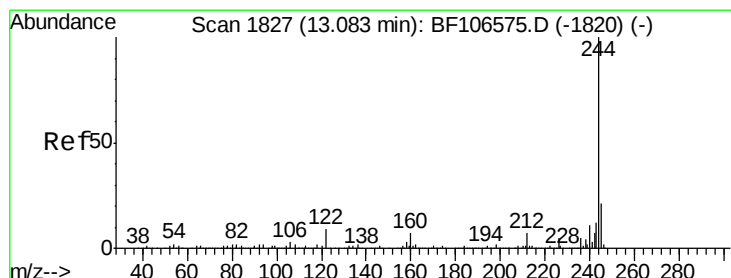
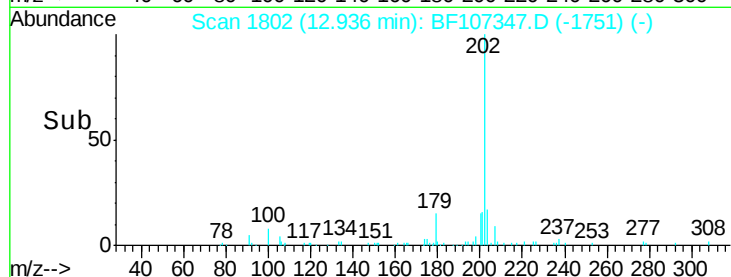
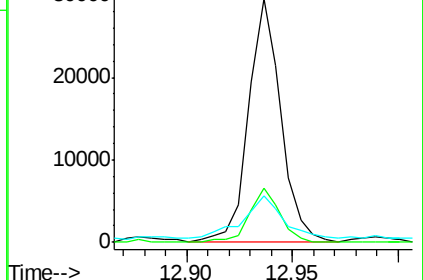
203 19.0 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 43.802 ng

RT: 13.07 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BF107347.D

Acq: 12 Jul 2018 18:54

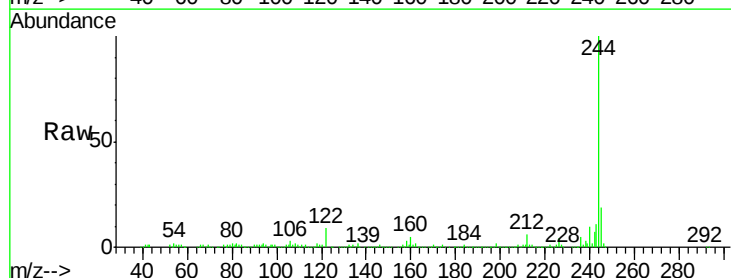
Tgt Ion:244 Resp: 328914

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

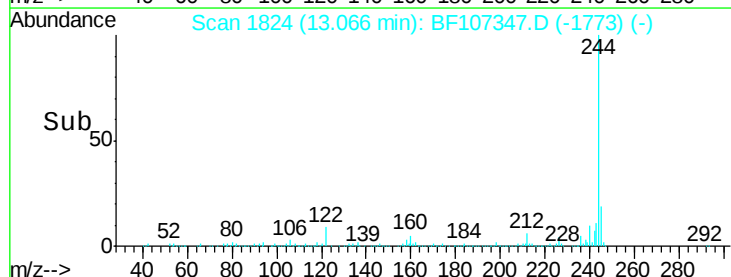
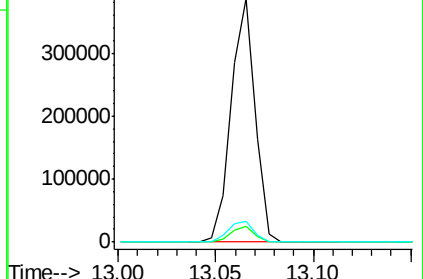
122 8.8 11.0 16.4#

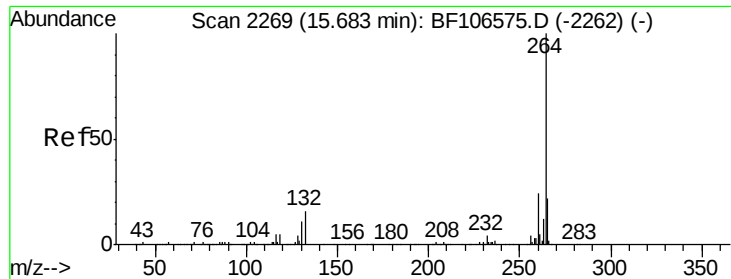


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

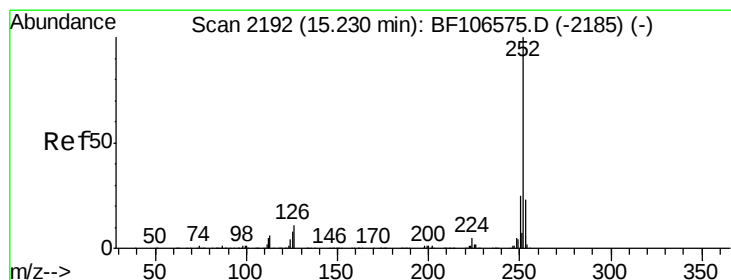
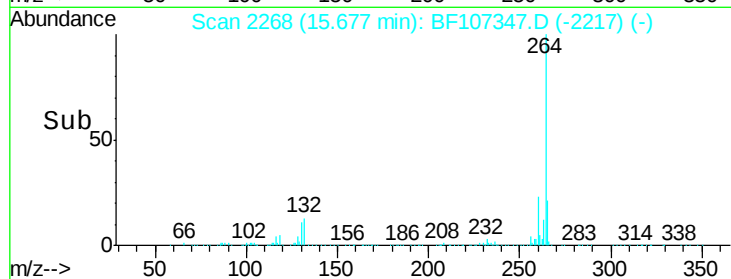
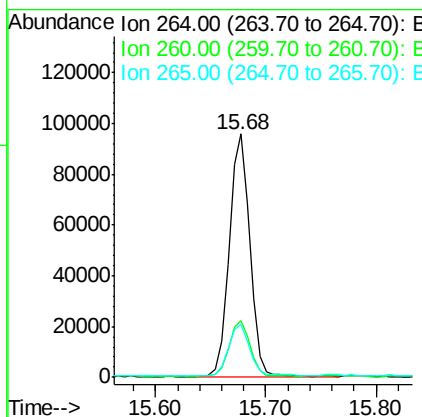
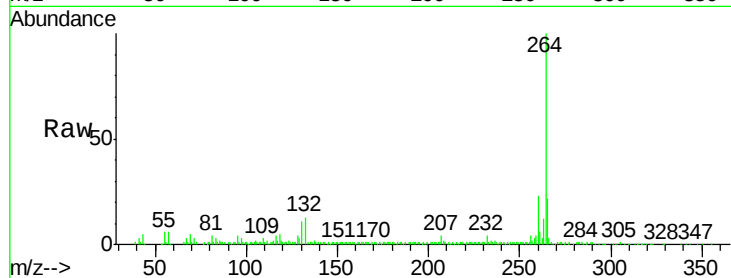




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF107347.D
Acq: 12 Jul 2018 18:54

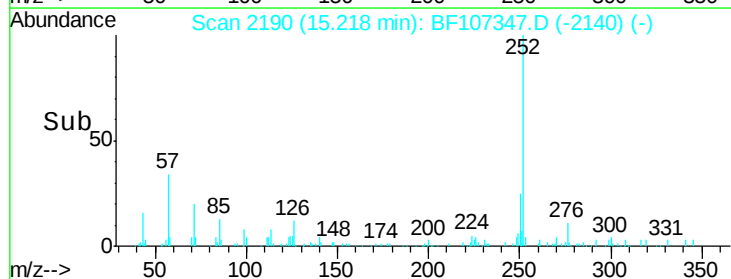
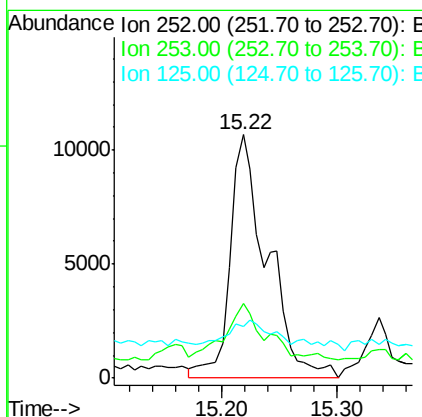
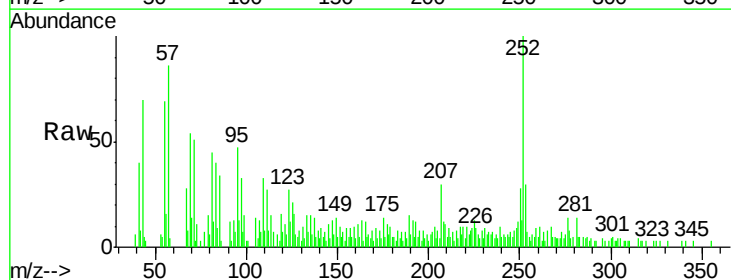
Instrument :
BNA_F
ClientSampleId :
TR-05-071018

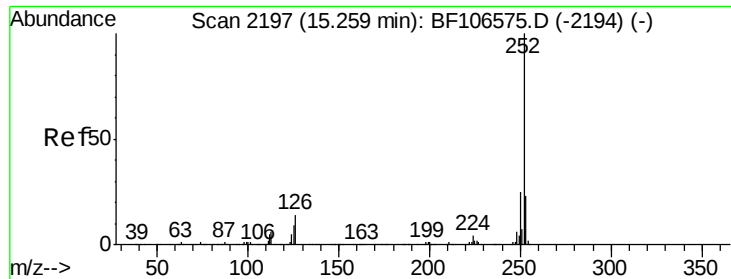
Tgt Ion:264 Resp: 124494
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.094 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF107347.D
Acq: 12 Jul 2018 18:54

Tgt Ion:252 Resp: 23925
Ion Ratio Lower Upper
252 100
253 30.4 17.0 25.6#
125 21.2 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 3.249 ng

RT: 15.22 min Scan# 2190

Delta R.T. -0.04 min

Lab File: BF107347.D

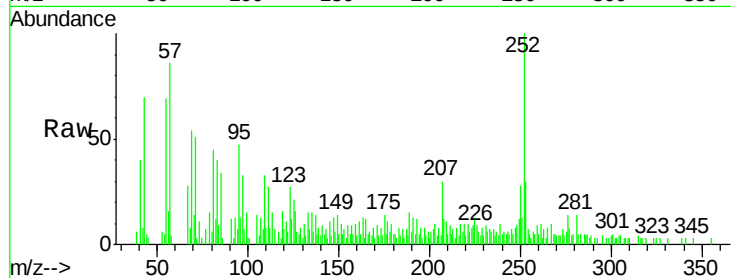
Acq: 12 Jul 2018 18:54

Instrument :

BNA_F

ClientSampleId :

TR-05-071018



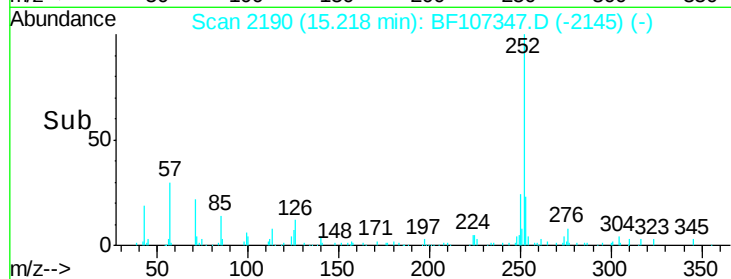
Tgt Ion: 252 Resp: 23925

Ion Ratio Lower Upper

252 100

253 30.4 17.9 26.9#

125 21.2 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

