

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071118\
 Data File : BF107317.D
 Acq On : 11 Jul 2018 22:53
 Operator : JU/SJ
 Sample : J3911-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VB21029

Quant Time: Jul 12 01:07:46 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	43818	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	205526	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	88496	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	165198	20.00	ng	0.00
75) Chrysene-d12	14.14	240	153320	20.00	ng	0.00
86) Perylene-d12	15.68	264	113574	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	34590	13.37	ng	0.01
7) Phenol-d6	6.59	99	39028	12.08	ng	0.01
23) Nitrobenzene-d5	7.51	82	25972	7.02	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	10097	9.84	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	52101	-5.79	ng	0.00
78) Terphenyl-d14	13.07	244	51895	8.20	ng	0.00

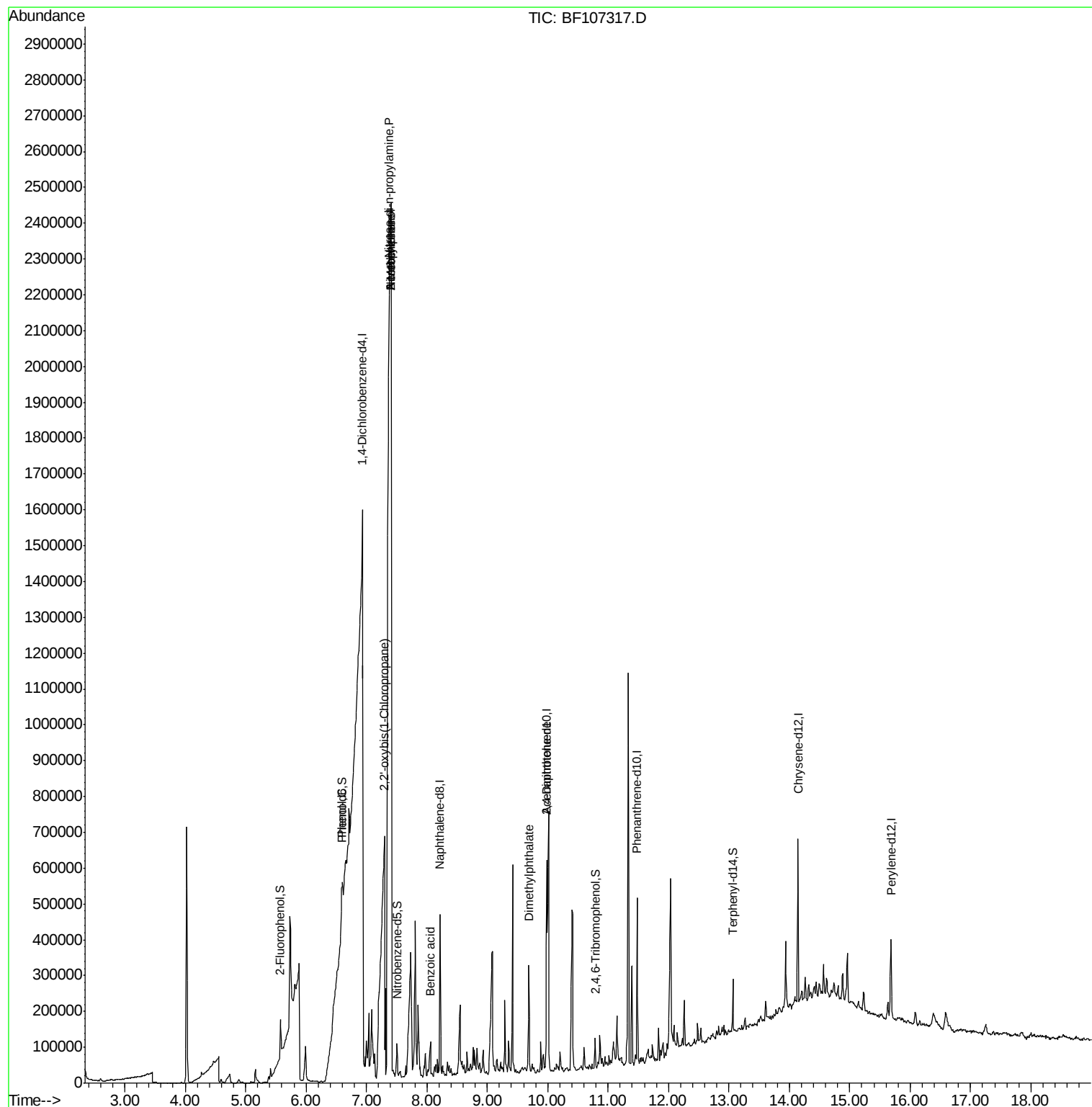
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.61	94	25484	6.910	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.30	45	89532	22.413	ng	76
17) 2-Methylphenol	7.41	107	2541986	1046.567	ng	# 71
19) n-Nitroso-di-n-propylamine	7.37	70	4880	2.291	ng	# 1
20) 3+4-Methylphenols	7.41	107	2545000	Below Cal		87
22) Acetophenone	7.40	105	24369	5.300	ng	# 1
24) Nitrobenzene	7.41	77	745688	197.493	ng	# 42
32) Benzoic acid	8.06	122	20819	14.880	ng	98
49) Dimethylphthalate	9.69	163	100248	15.104	ng	97
56) 2,4-Dinitrotoluene	9.98	165	11713	6.385	ng	# 41

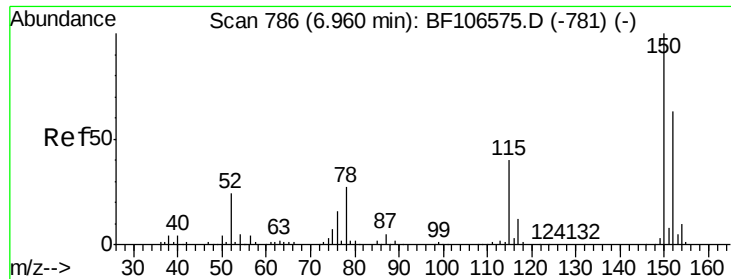
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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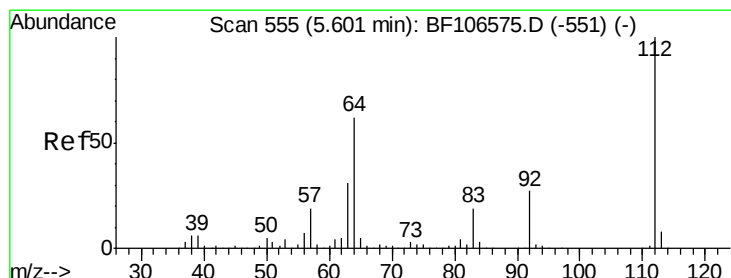
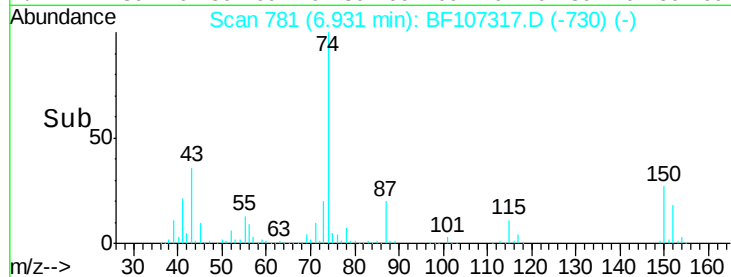
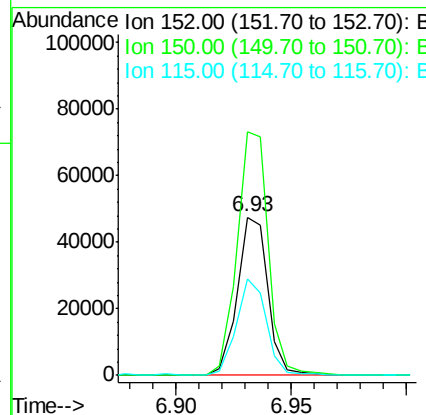
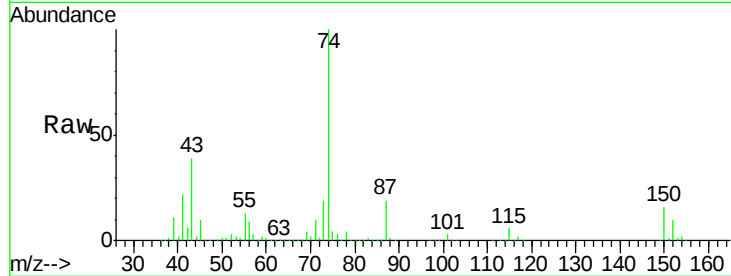


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF107317.D
Acq: 11 Jul 2018 22:53

Instrument :
BNA_F
ClientSampleId :
VB21029

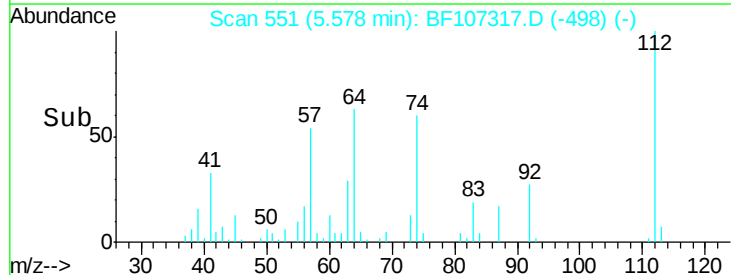
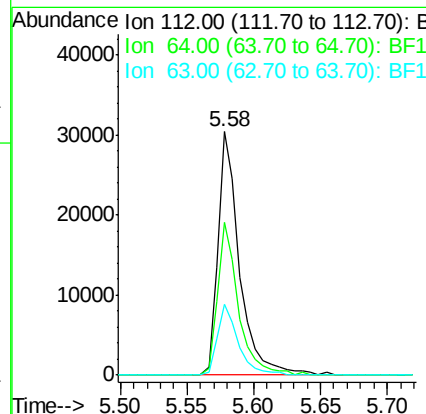
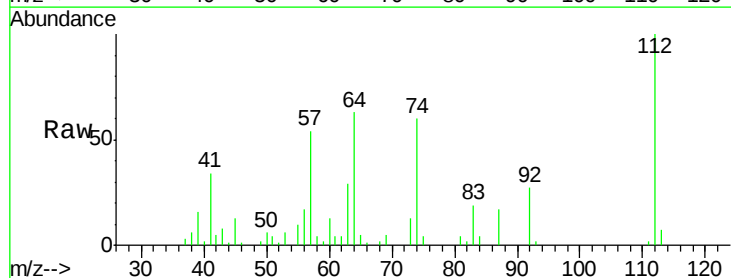
Tgt Ion:152 Resp: 43818
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 60.7 50.1 75.1

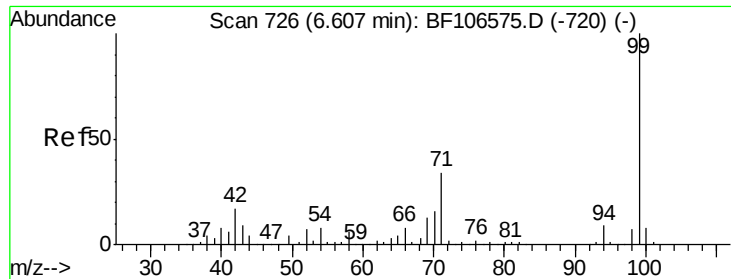


#5

2-Fluorophenol
Concen: 13.367 ng
RT: 5.58 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF107317.D
Acq: 11 Jul 2018 22:53

Tgt Ion:112 Resp: 34590
Ion Ratio Lower Upper
112 100
64 62.5 47.9 71.9
63 29.2 23.7 35.5





#7

Phenol-d6

Concen: 12.077 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF107317.D

Acq: 11 Jul 2018 22:53

Instrument :

BNA_F

ClientSampled :

VB21029

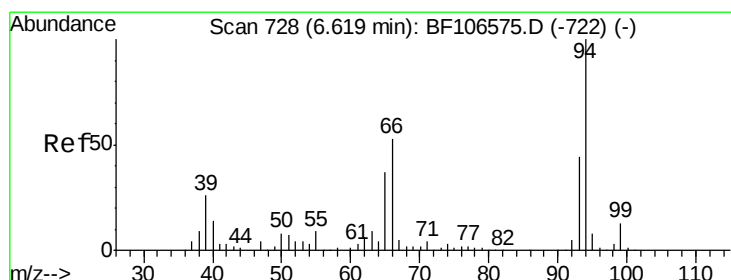
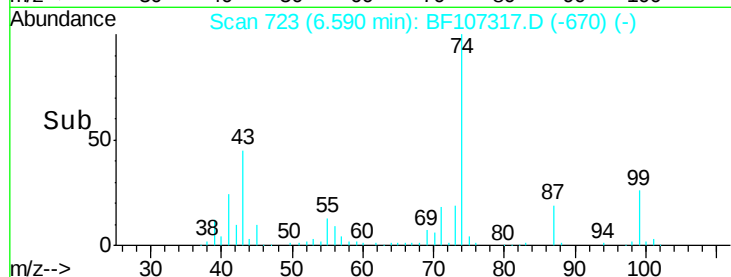
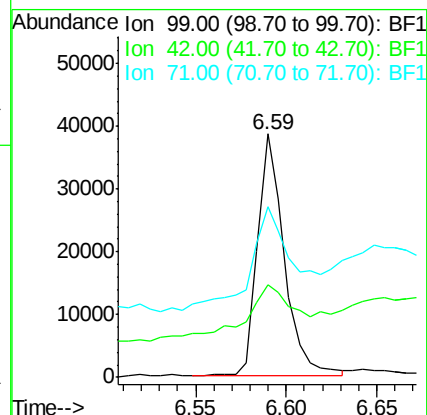
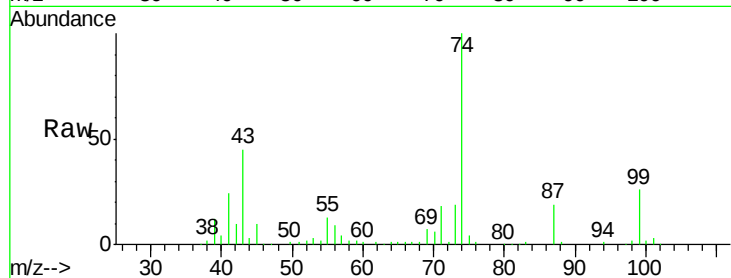
Tgt Ion: 99 Resp: 39028

Ion Ratio Lower Upper

99 100

42 37.8 14.5 21.7#

71 69.9 25.4 38.0#



#10

Phenol

Concen: 6.910 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.02 min

Lab File: BF107317.D

Acq: 11 Jul 2018 22:53

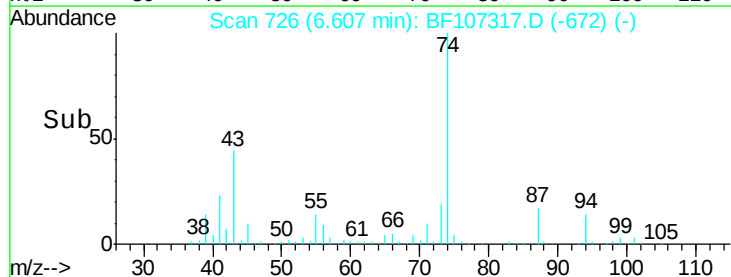
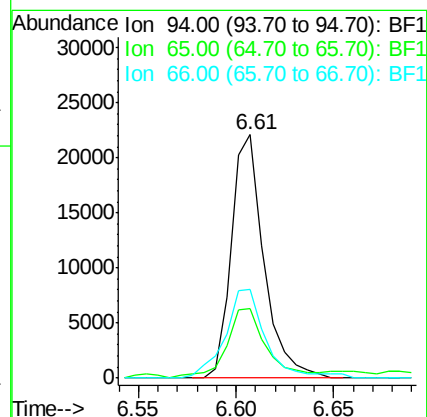
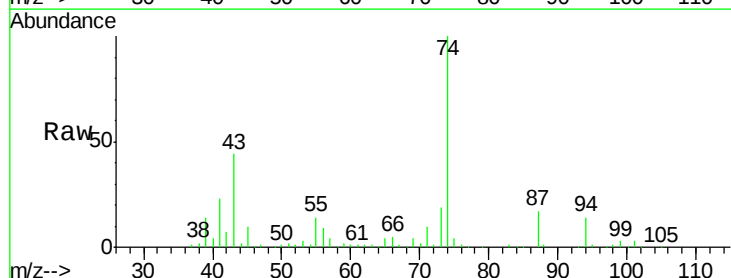
Tgt Ion: 94 Resp: 25484

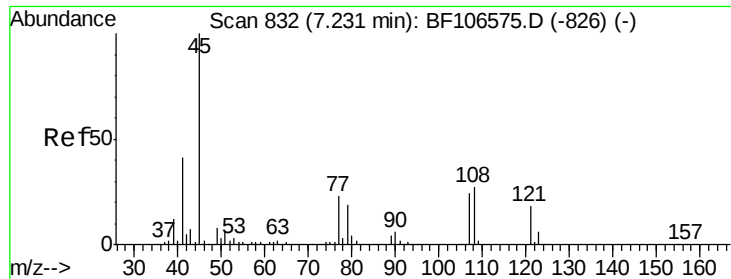
Ion Ratio Lower Upper

94 100

65 28.8 7.9 47.9

66 36.4 16.2 56.2

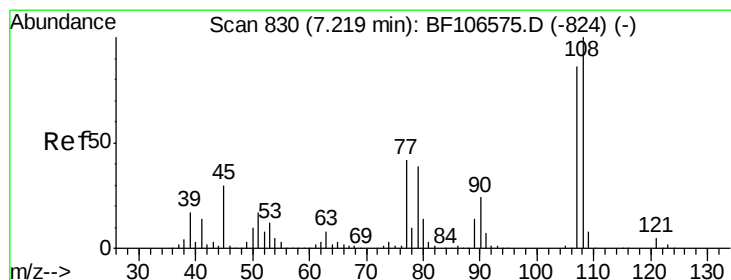
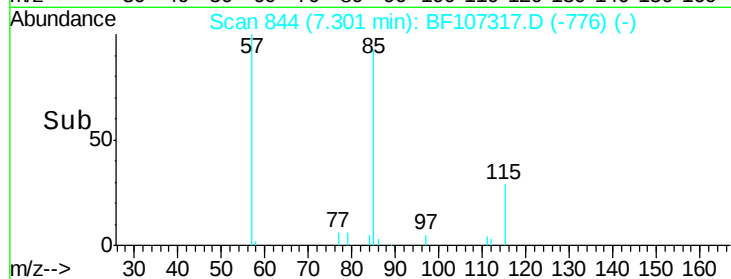
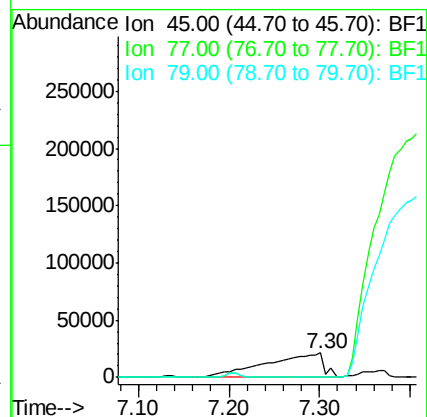
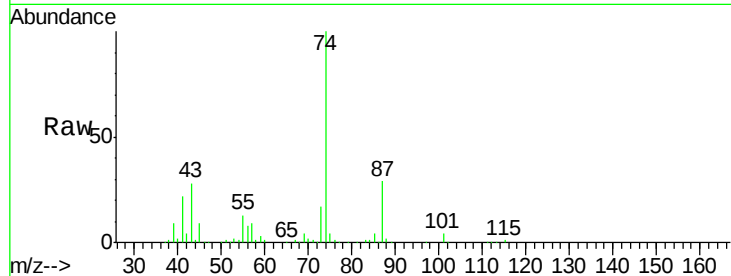




#16
2,2'-oxybis(1-Chloropropane)
Concen: 22.413 ng
RT: 7.30 min Scan# 844
Delta R.T. 0.10 min
Lab File: BF107317.D
Acq: 11 Jul 2018 22:53

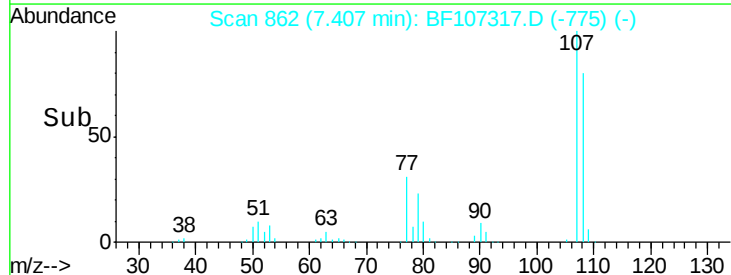
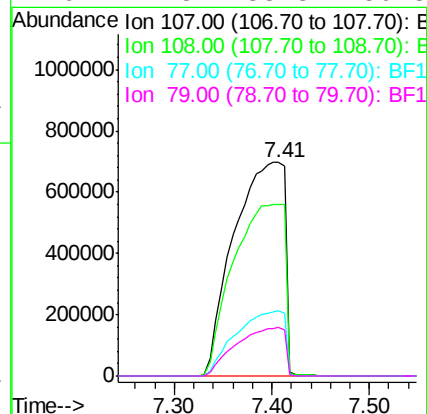
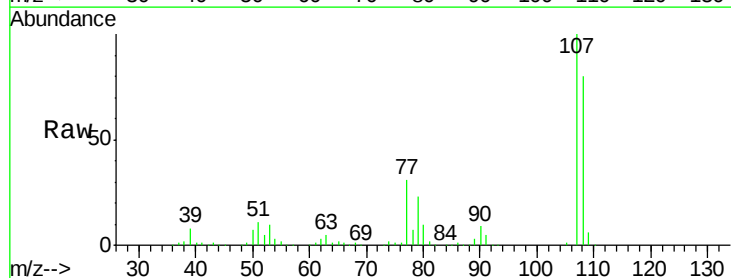
Instrument :
BNA_F
ClientSampled :
VB21029

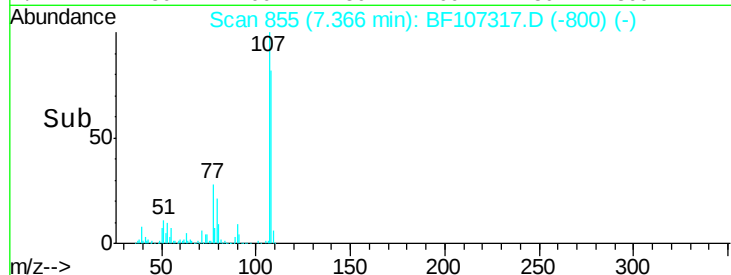
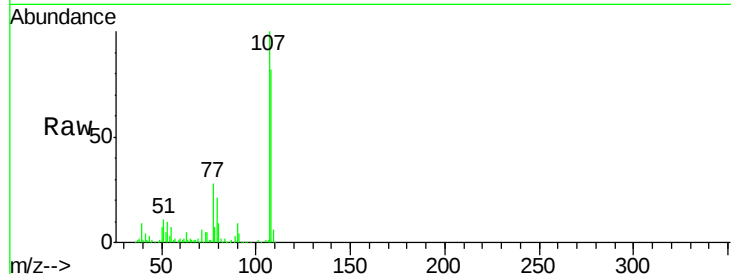
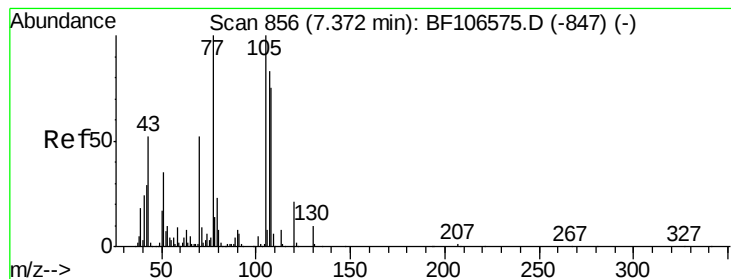
Tgt Ion: 45 Resp: 89532
Ion Ratio Lower Upper
45 100
77 2.3 0.0 32.9
79 2.4 0.0 29.6



#17
2-Methylphenol
Concen: 1046.567 ng
RT: 7.41 min Scan# 862
Delta R.T. 0.21 min
Lab File: BF107317.D
Acq: 11 Jul 2018 22:53

Tgt Ion: 107 Resp: 2541986
Ion Ratio Lower Upper
107 100
108 80.4 91.7 137.5#
77 30.5 33.8 50.8#
79 22.8 33.8 50.8#





#19

n-Nitroso-di-n-propylamine

Concen: 2.291 ng

RT: 7.37 min Scan# 855

Delta R.T. 0.02 min

Lab File: BF107317.D

Acq: 11 Jul 2018 22:53

Instrument :

BNA_F

ClientSampleId :

VB21029

Tgt Ion: 70 Resp: 4880

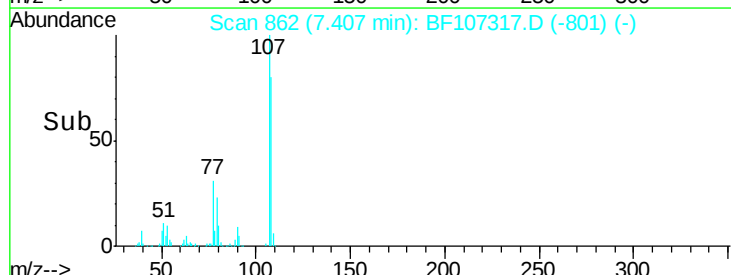
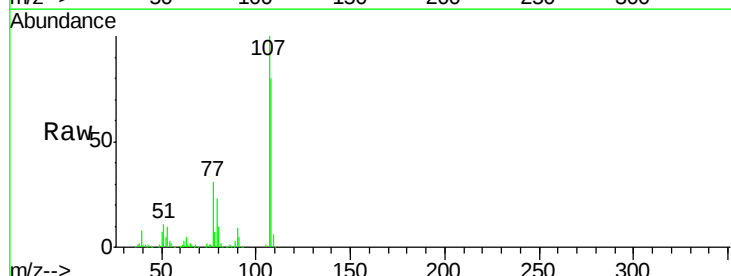
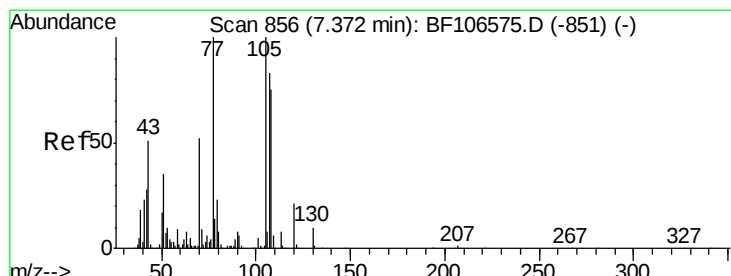
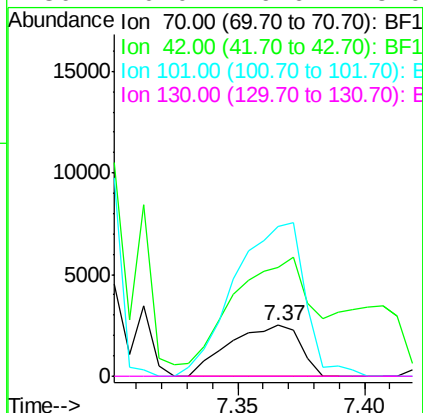
Ion Ratio Lower Upper

70 100

42 213.7 47.5 71.3#

101 293.2 7.4 11.2#

130 0.0 16.6 25.0#



#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.41 min Scan# 862

Delta R.T. 0.06 min

Lab File: BF107317.D

Acq: 11 Jul 2018 22:53

Tgt Ion: 107 Resp: 2545000

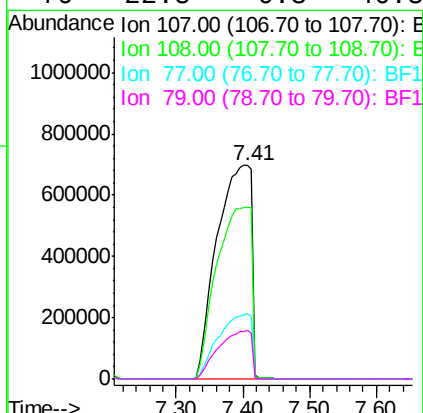
Ion Ratio Lower Upper

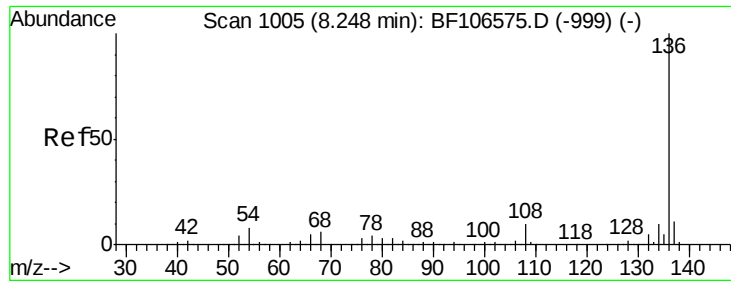
107 100

108 80.4 68.2 108.2

77 30.5 26.7 66.7

79 22.8 6.3 46.3

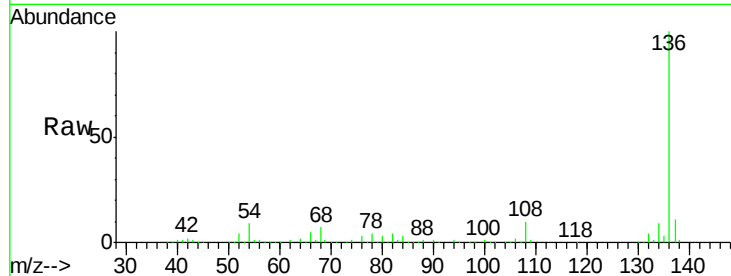




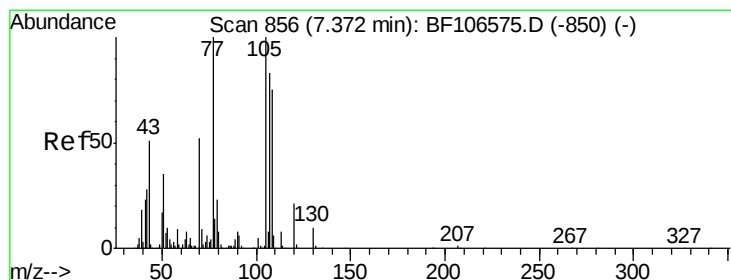
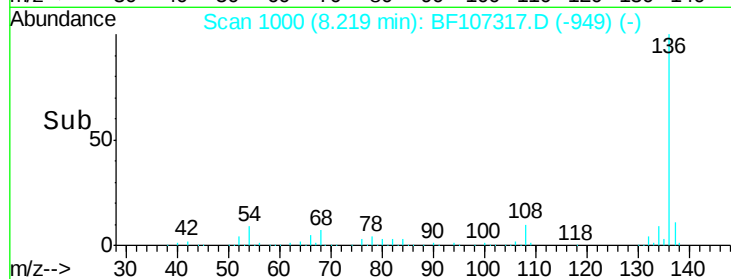
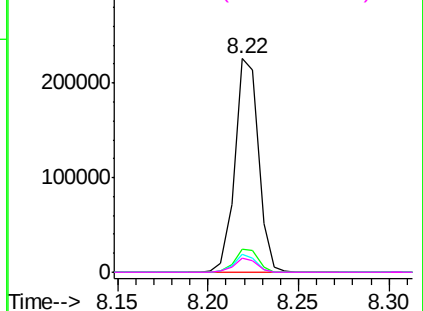
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BF107317.D
Acq: 11 Jul 2018 22:53

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	136	Resp:	205526
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.6	6.6	9.8
68	6.7	5.0	7.4

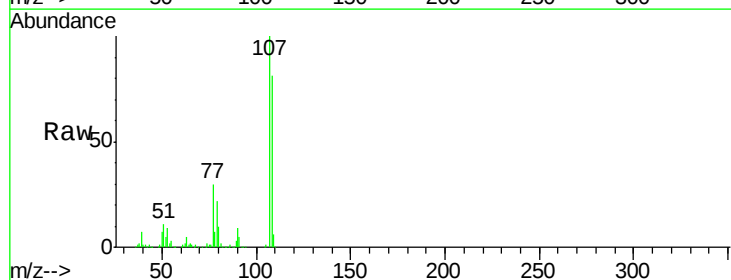


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

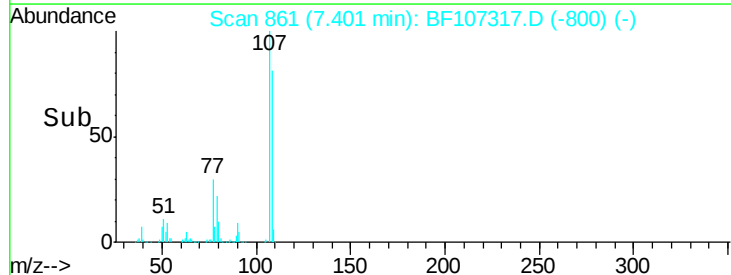
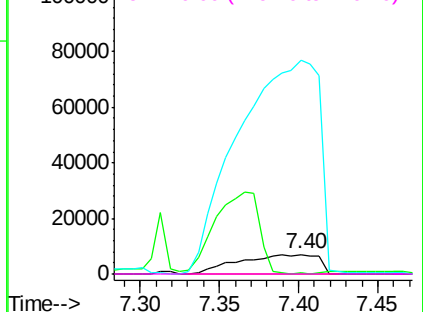


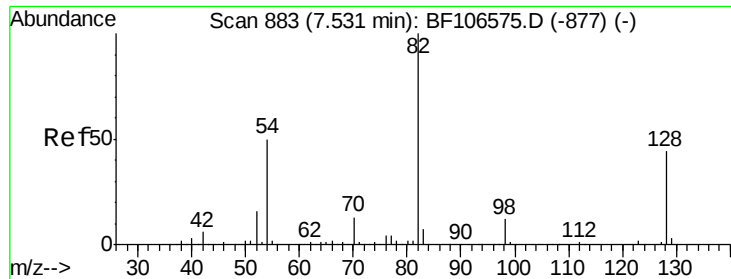
#22
Acetophenone
Concen: 5.300 ng
RT: 7.40 min Scan# 861
Delta R.T. 0.06 min
Lab File: BF107317.D
Acq: 11 Jul 2018 22:53

Tgt Ion:	105	Resp:	24369
Ion	Ratio	Lower	Upper
105	100		
71	5.7	4.4	6.6
51	1103.6	22.3	33.5#
120	0.0	16.9	25.3#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

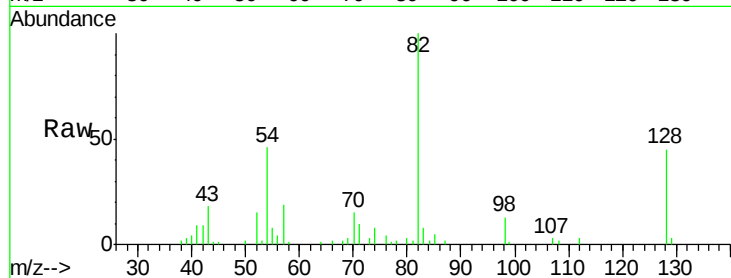




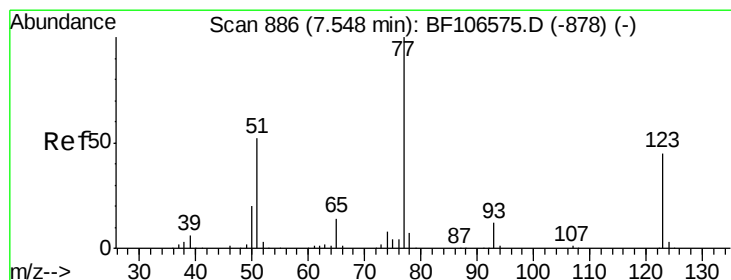
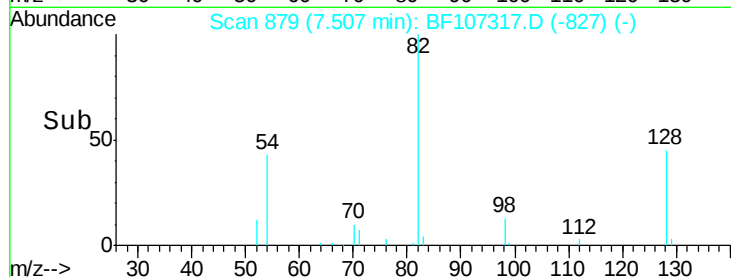
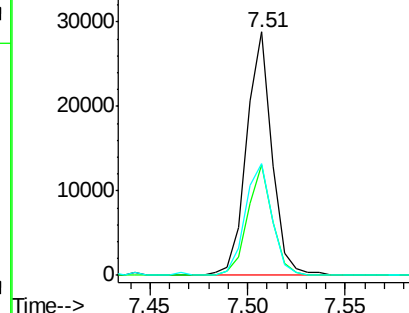
#23
 Nitrobenzene-d5
 Concen: 7.023 ng
 RT: 7.51 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: BF107317.D
 Acq: 11 Jul 2018 22:53

Instrument :
 BNA_F
 ClientSampleId :
 VB21029

Tgt Ion: 82 Resp: 25972
 Ion Ratio Lower Upper
 82 100
 128 45.4 36.1 54.1
 54 45.9 41.4 62.2

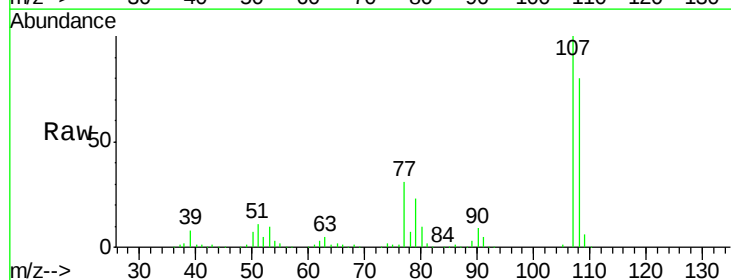


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

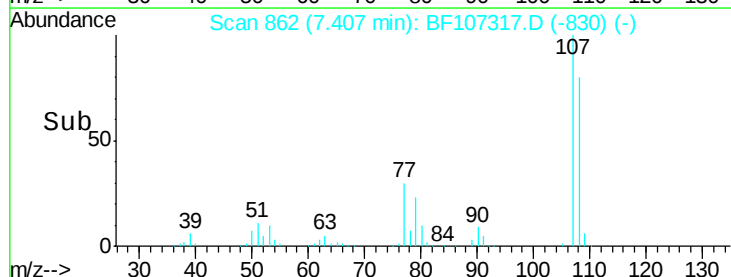
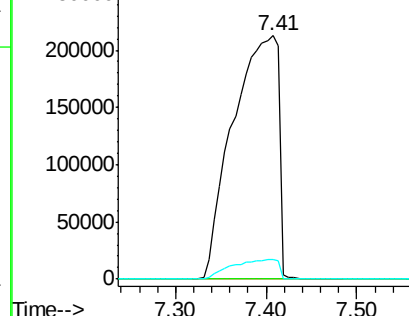


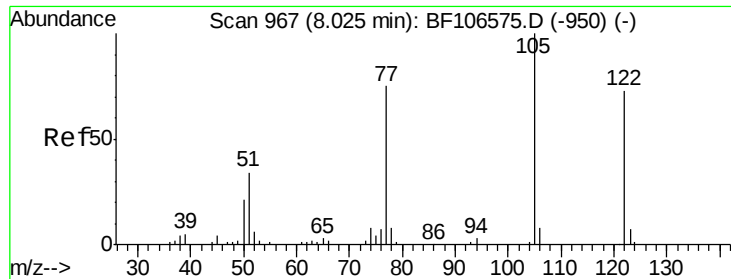
#24
 Nitrobenzene
 Concen: 197.493 ng
 RT: 7.41 min Scan# 862
 Delta R.T. -0.11 min
 Lab File: BF107317.D
 Acq: 11 Jul 2018 22:53

Tgt Ion: 77 Resp: 745688
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 7.8 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1

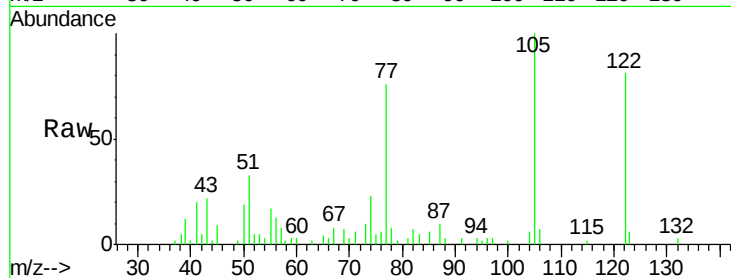




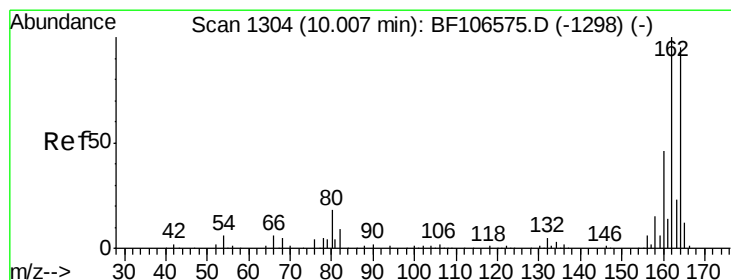
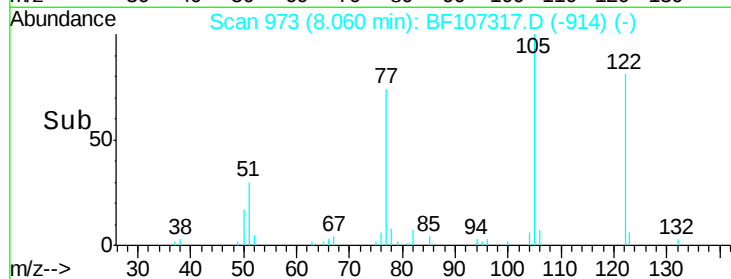
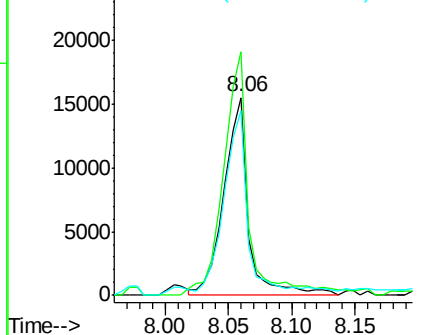
#32
Benzoic acid
Concen: 14.880 ng
RT: 8.06 min Scan# 973
Delta R.T. 0.05 min
Lab File: BF107317.D
Acq: 11 Jul 2018 22:53

Instrument :
BNA_F
ClientSampleId :
VB21029

Tgt Ion:122 Resp: 20819
Ion Ratio Lower Upper
122 100
105 123.1 101.1 141.1
77 93.1 70.7 110.7

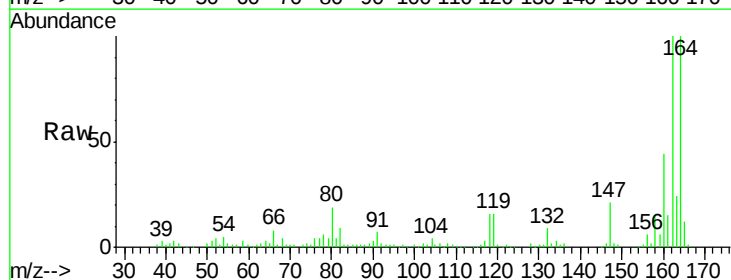


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

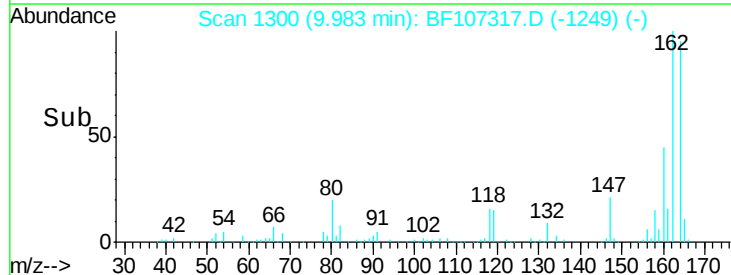
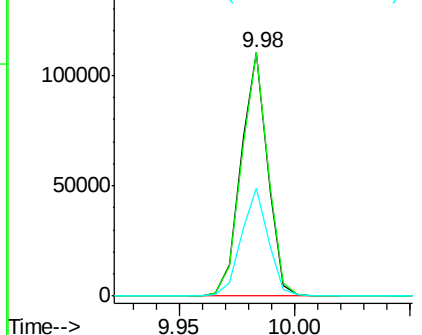


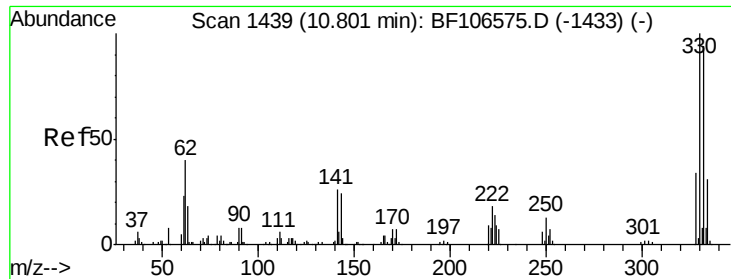
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BF107317.D
Acq: 11 Jul 2018 22:53

Tgt Ion:164 Resp: 88496
Ion Ratio Lower Upper
164 100
162 100.1 86.1 129.1
160 44.4 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

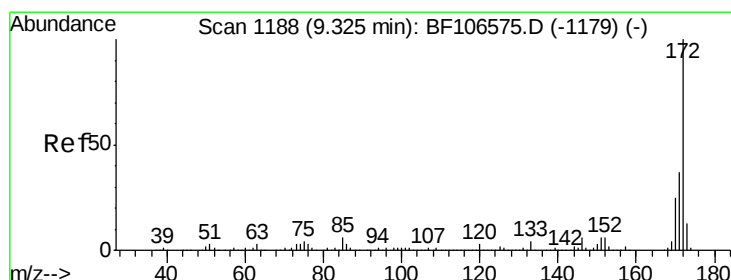
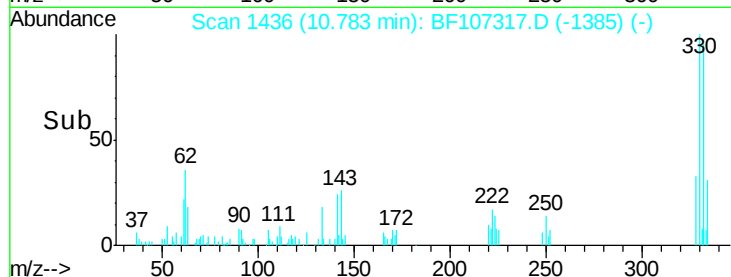
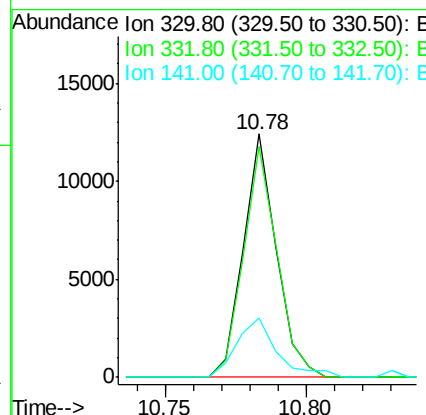
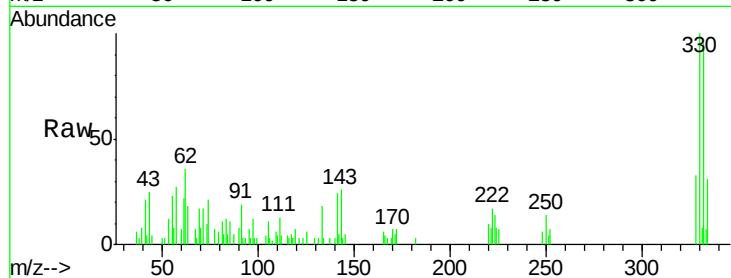




#41
 2,4,6-Tribromophenol
 Concen: 9.844 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BF107317.D
 Acq: 11 Jul 2018 22:53

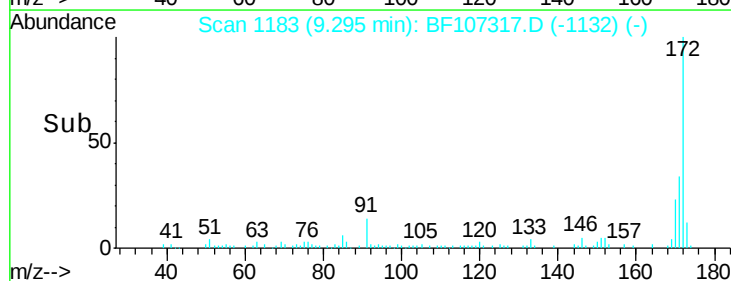
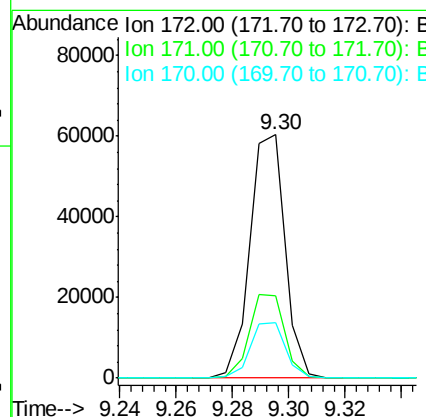
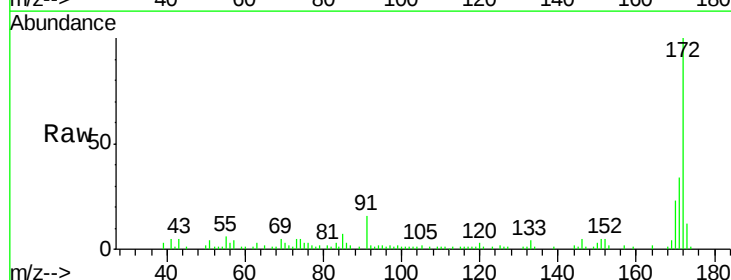
Instrument :
 BNA_F
 ClientSampleId :
 VB21029

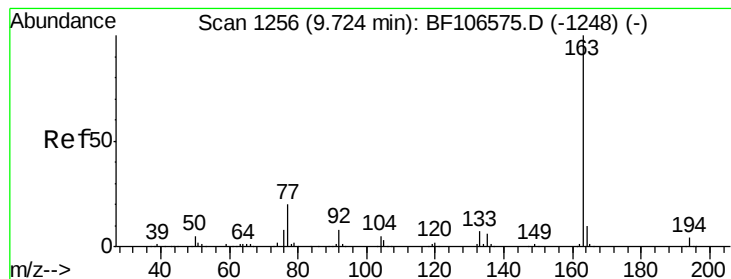
Tgt Ion:330 Resp: 10097
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 29.6 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: -5.791 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BF107317.D
 Acq: 11 Jul 2018 22:53

Tgt Ion:172 Resp: 52101
 Ion Ratio Lower Upper
 172 100
 171 33.6 29.7 44.5
 170 22.9 19.6 29.4





#49

Dimethylphthalate

Concen: 15.104 ng

RT: 9.69 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BF107317.D

Acq: 11 Jul 2018 22:53

Instrument :

BNA_F

ClientSampleId :

VB21029

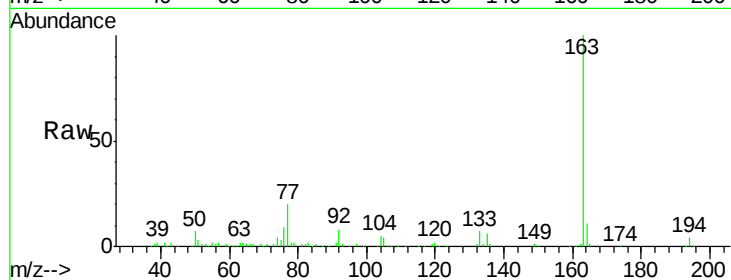
Tgt Ion:163 Resp: 100248

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

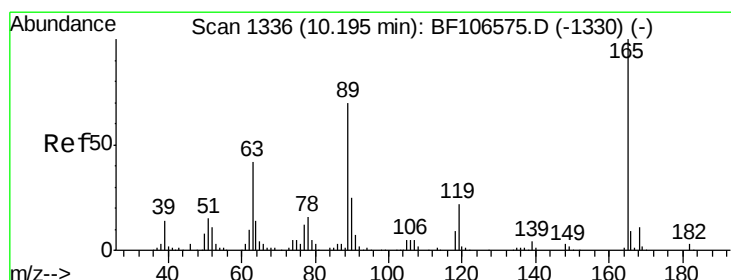
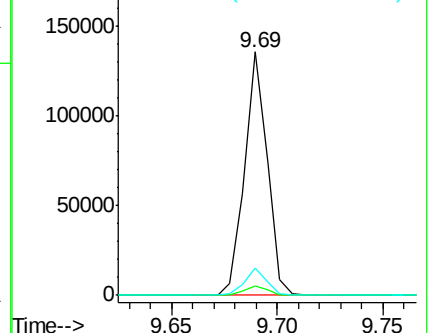
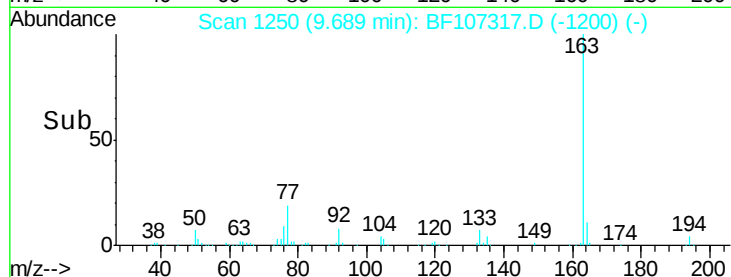
164 11.4 8.2 12.2



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: 6.385 ng

RT: 9.98 min Scan# 1300

Delta R.T. -0.20 min

Lab File: BF107317.D

Acq: 11 Jul 2018 22:53

Tgt Ion:165 Resp: 11713

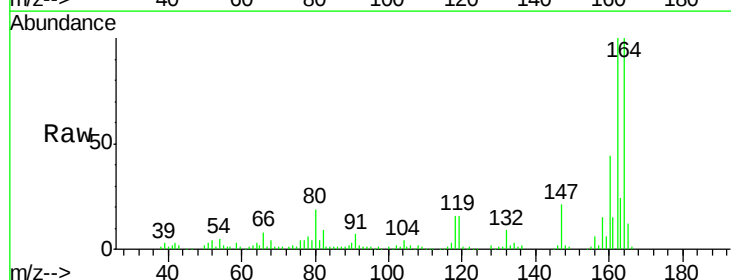
Ion Ratio Lower Upper

165 100

63 16.3 36.4 54.6#

89 14.7 57.8 86.6#

182 0.0 1.6 2.4#

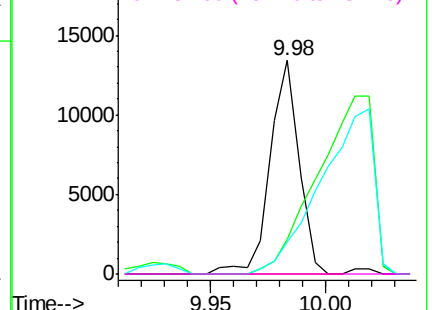
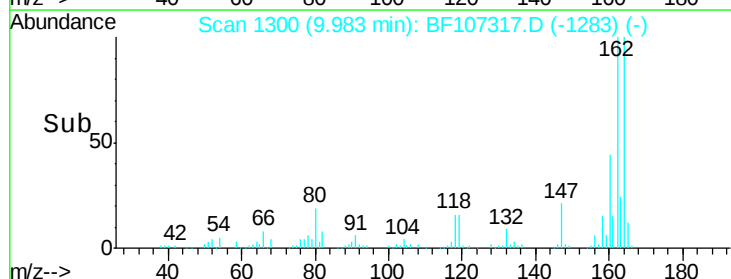


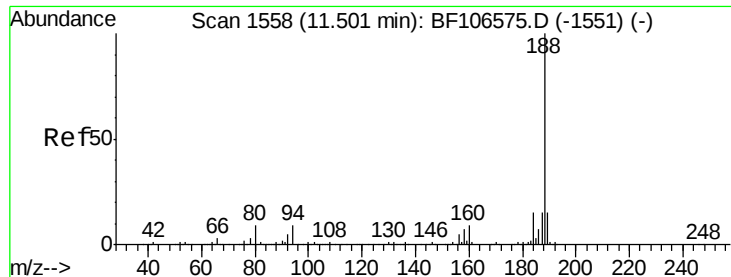
Abundance Ion 165.00 (164.70 to 165.70): E

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

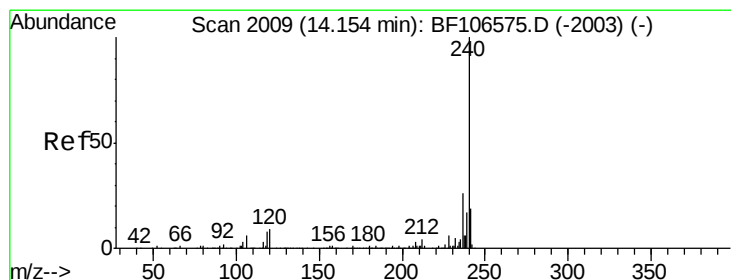
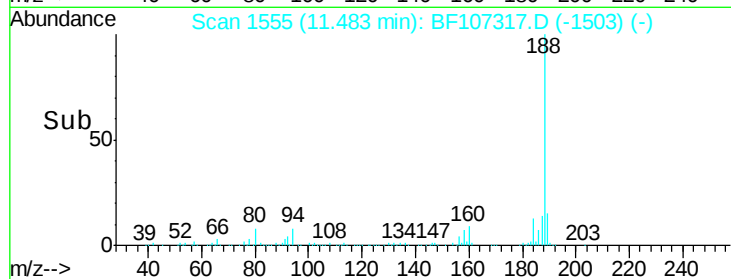
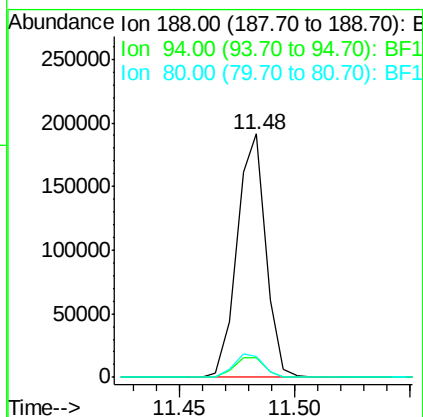
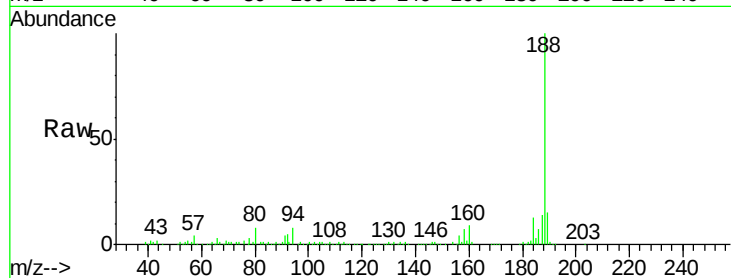




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. 0.01 min
Lab File: BF107317.D
Acq: 11 Jul 2018 22:53

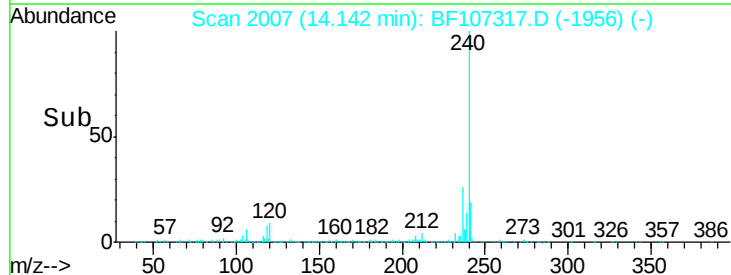
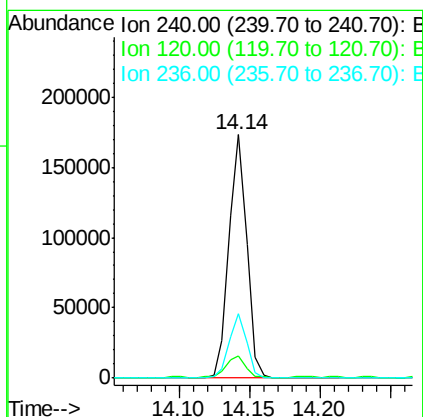
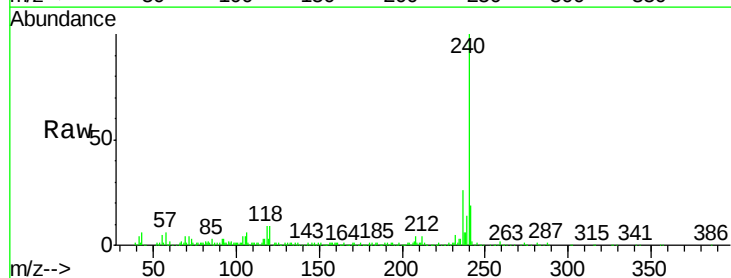
Instrument :
BNA_F
ClientSampled :
VB21029

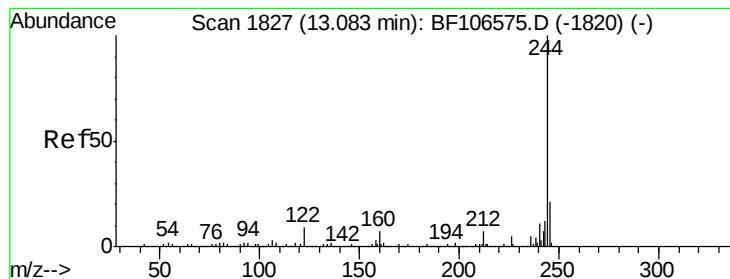
Tgt Ion:188 Resp: 165198
Ion Ratio Lower Upper
188 100
94 8.1 8.5 12.7#
80 8.5 9.2 13.8#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BF107317.D
Acq: 11 Jul 2018 22:53

Tgt Ion:240 Resp: 153320
Ion Ratio Lower Upper
240 100
120 9.2 9.5 14.3#
236 26.5 20.7 31.1





#78

Terphenyl-d14

Concen: 8.199 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF107317.D

Acq: 11 Jul 2018 22:53

Instrument :

BNA_F

ClientSampleId :

VB21029

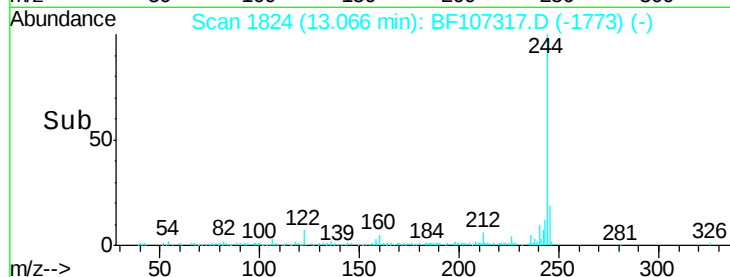
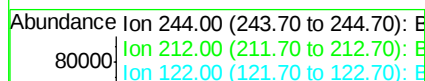
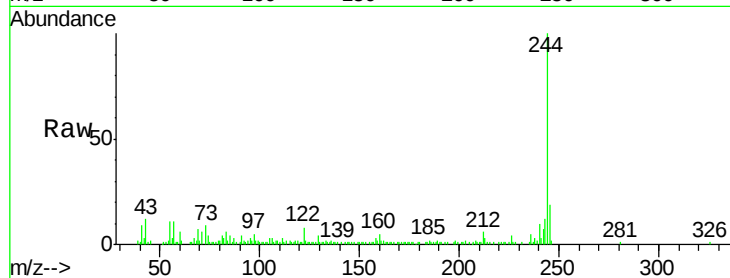
Tgt Ion:244 Resp: 51895

Ion Ratio Lower Upper

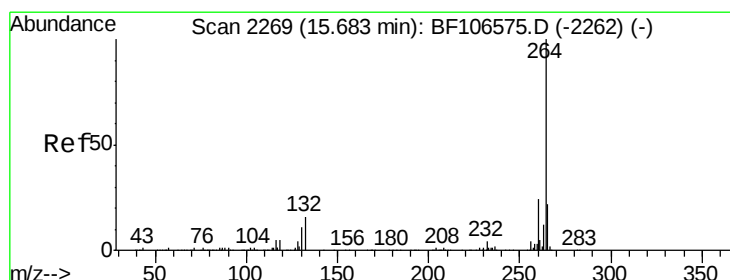
244 100

212 6.3 5.4 8.0

122 7.8 11.0 16.4#



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF107317.D

Acq: 11 Jul 2018 22:53

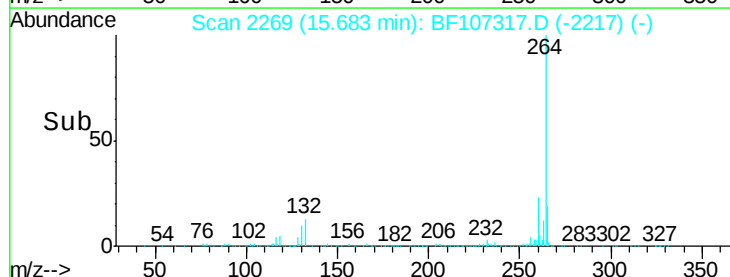
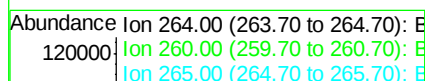
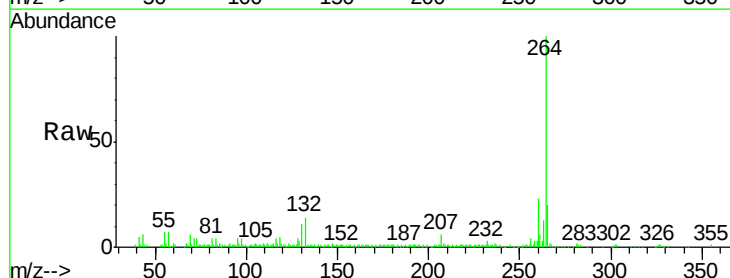
Tgt Ion:264 Resp: 113574

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 19.8 17.5 26.3



Time-->