

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080218\
 Data File : BF107917.D
 Acq On : 2 Aug 2018 18:50
 Operator : JU/SJ
 Sample : J4267-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-N

Quant Time: Aug 03 00:55:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

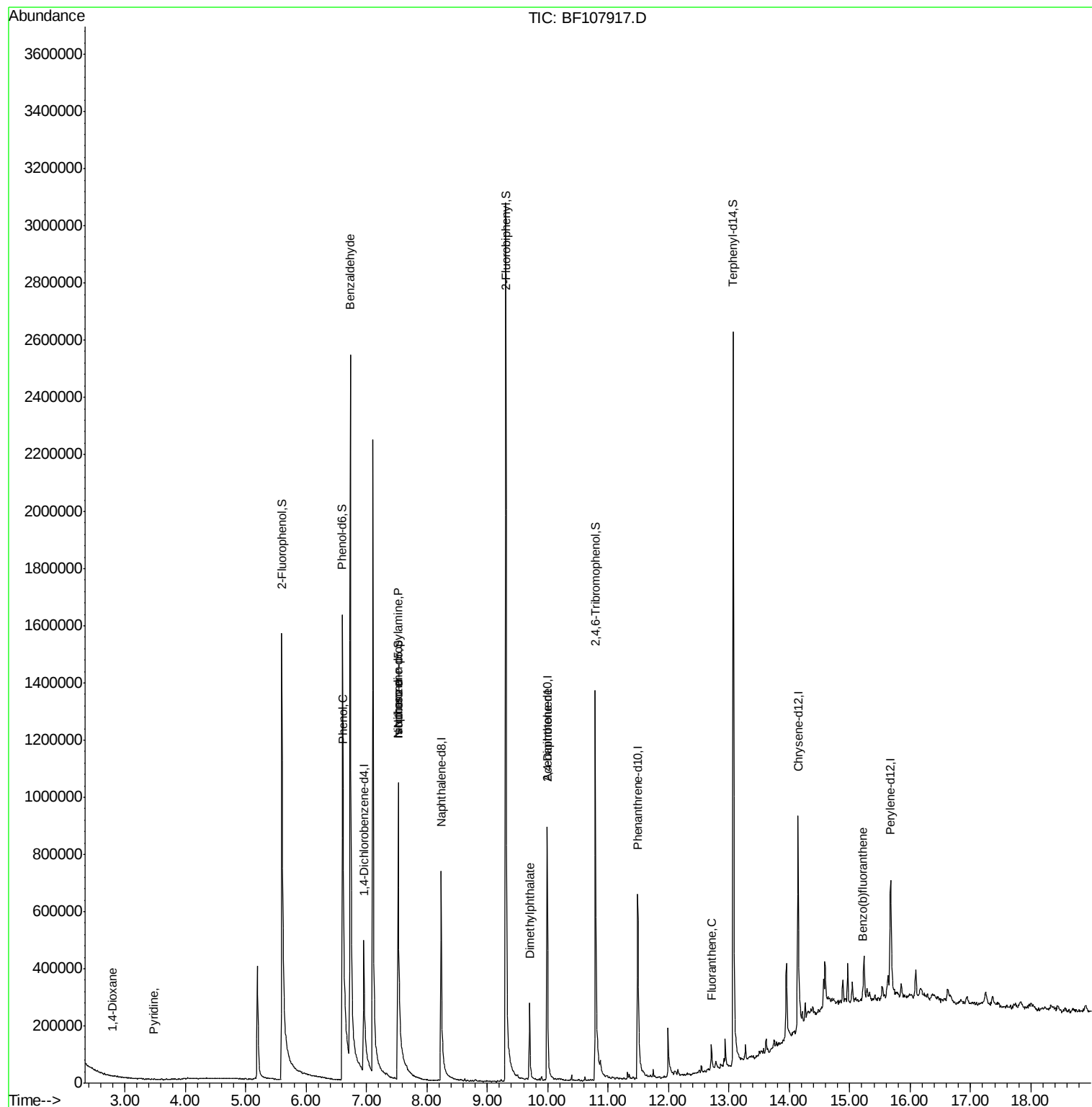
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	146818	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	600723	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	226627	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	411616	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	395592	20.00	ng	-0.01
86) Perylene-d12	15.68	264	303143	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	965403	111.75	ng	0.00
7) Phenol-d6	6.60	99	1139674	100.10	ng	0.00
23) Nitrobenzene-d5	7.52	82	756328	72.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	271948	88.31	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1351197	83.08	ng	-0.01
78) Terphenyl-d14	13.07	244	1203257	65.96	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.80	88	665	5.938	ng	# 1
3) Pyridine	3.48	79	109	6.264	ng	# 1
9) Benzaldehyde	6.73	77	20532	2.989	ng	91
10) Phenol	6.62	94	52747	3.885	ng	# 31
19) n-Nitroso-di-n-propylamine	7.52	70	89297	12.364	ng	# 77
25) Isophorone	7.52	82	756328	44.187	ng	# 64
49) Dimethylphthalate	9.70	163	150047	8.816	ng	# 99
56) 2,4-Dinitrotoluene	9.99	165	27660	5.690	ng	# 23
74) Fluoranthene	12.71	202	50885	2.216	ng	96
87) Benzo(b)fluoranthene	15.22	252	32726	2.189	ng	# 76

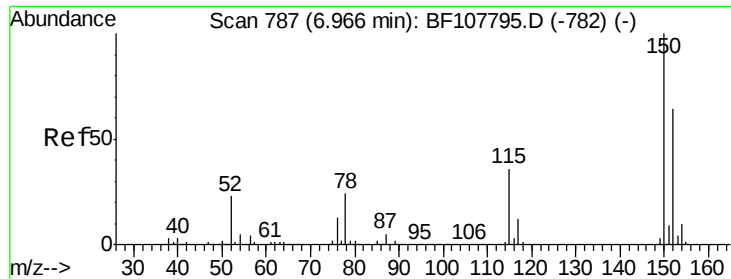
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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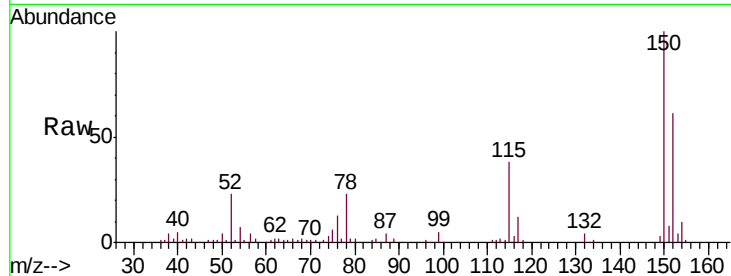


#1

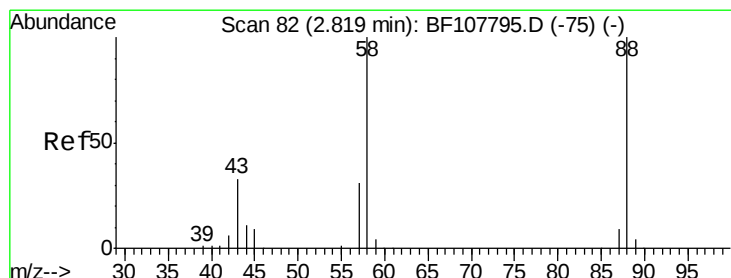
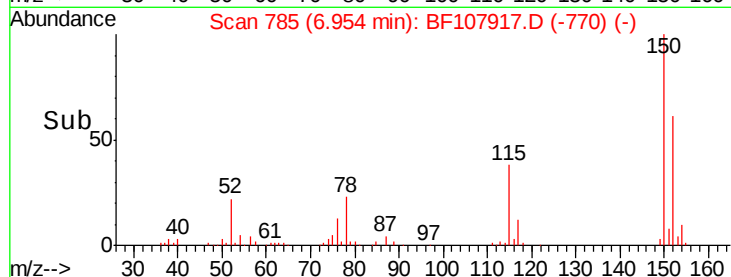
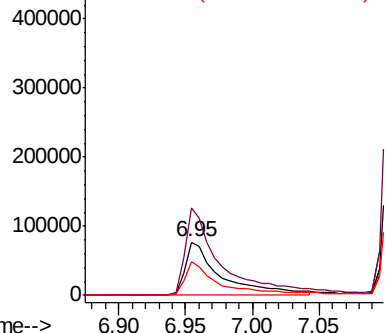
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107917.D
Acq: 2 Aug 2018 18:50

Instrument :
BNA_F
ClientSampleId :
UST-N

Tgt Ion:152 Resp: 146818
Ion Ratio Lower Upper
152 100
150 163.0 124.6 186.8
115 62.4 50.1 75.1



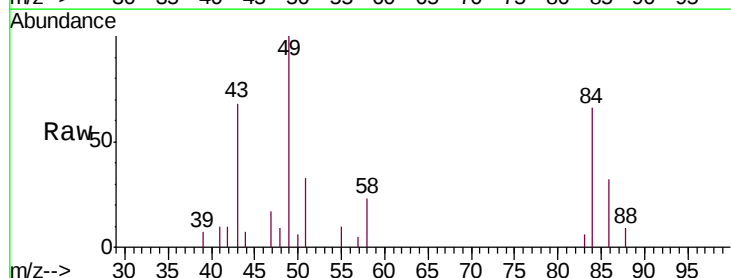
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



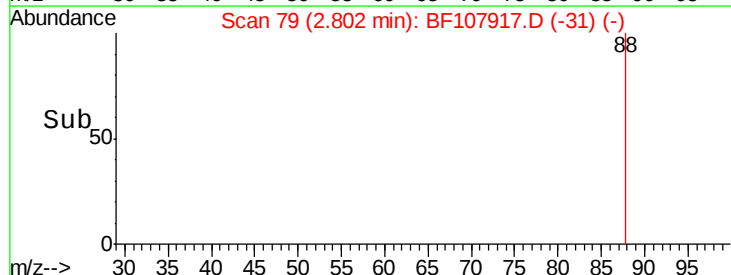
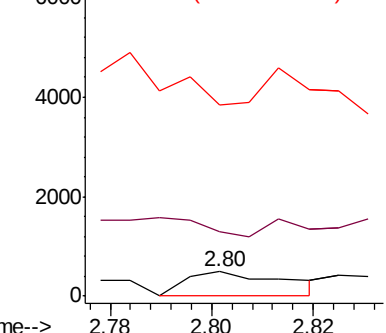
#2

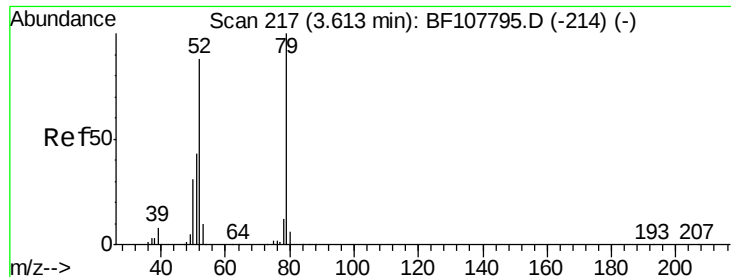
1,4-Dioxane
Concen: 5.938 ng
RT: 2.80 min Scan# 79
Delta R.T. -0.02 min
Lab File: BF107917.D
Acq: 2 Aug 2018 18:50

Tgt Ion: 88 Resp: 665
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 101.7 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

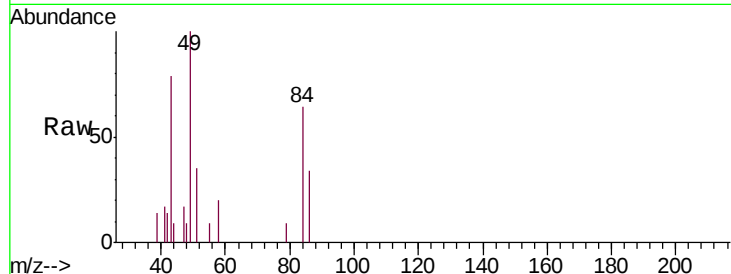




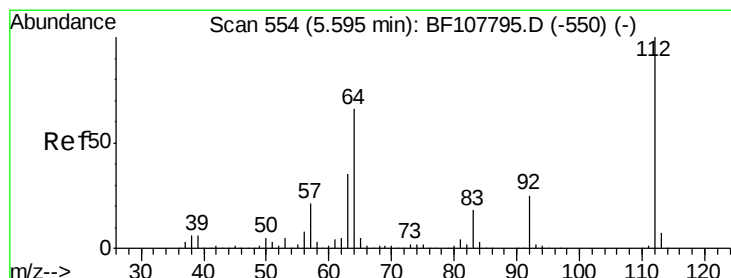
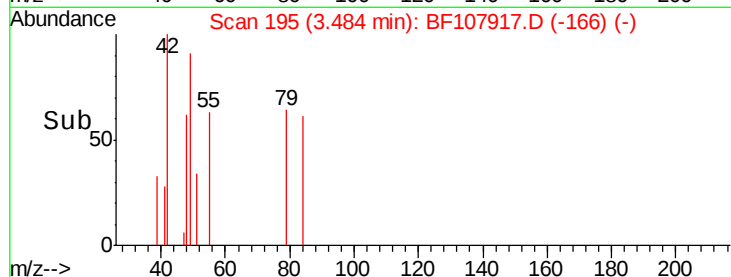
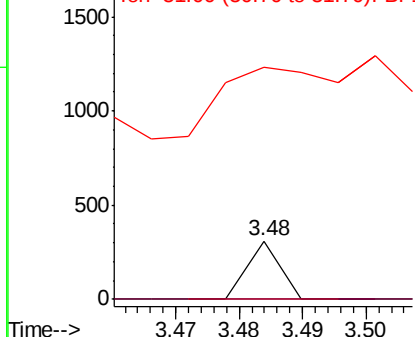
#3
Pyridine
Concen: 6.264 ng
RT: 3.48 min Scan# 195
Delta R.T. -0.13 min
Lab File: BF107917.D
Acq: 2 Aug 2018 18:50

Instrument :
BNA_F
ClientSampleId :
UST-N

Tgt Ion: 79 Resp: 109
Ion Ratio Lower Upper
79 100
52 0.0 59.8 89.6#
51 399.4 29.8 44.8#

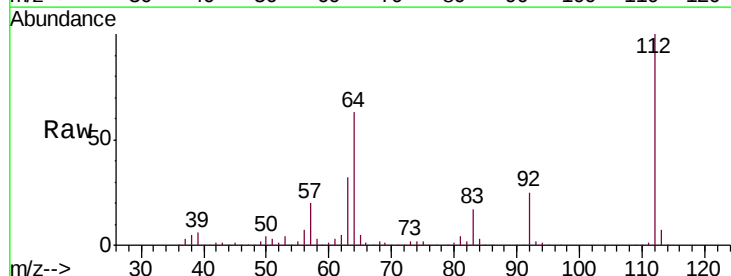


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1

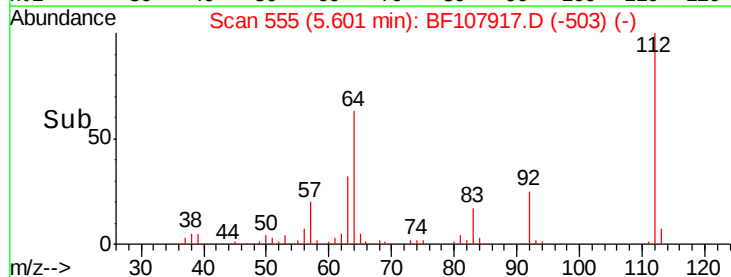
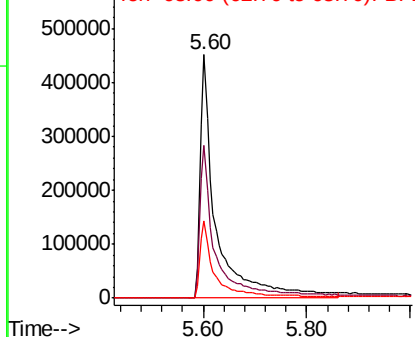


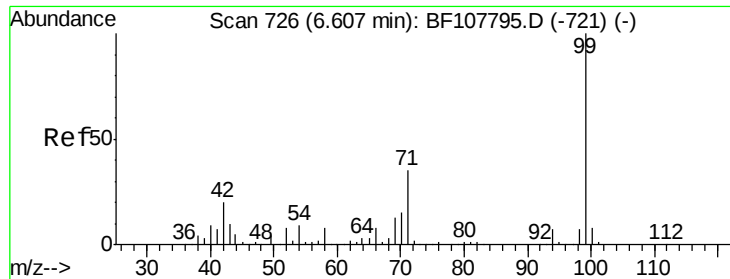
#5
2-Fluorophenol
Concen: 111.754 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF107917.D
Acq: 2 Aug 2018 18:50

Tgt Ion: 112 Resp: 965403
Ion Ratio Lower Upper
112 100
64 62.6 47.9 71.9
63 31.7 23.7 35.5



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





#7

Phenol-d6

Concen: 100.101 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107917.D

Acq: 2 Aug 2018 18:50

Instrument :

BNA_F

ClientSampleId :

UST-N

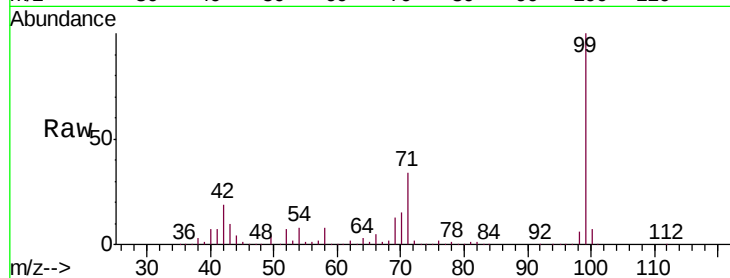
Tgt Ion: 99 Resp: 1139674

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

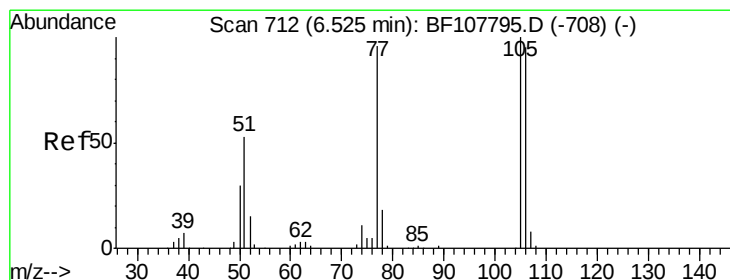
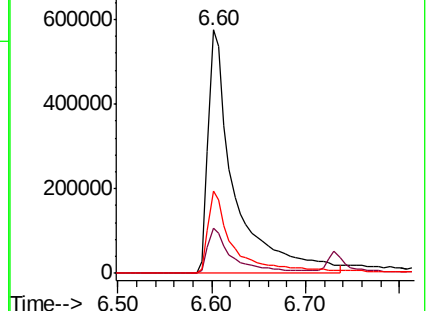
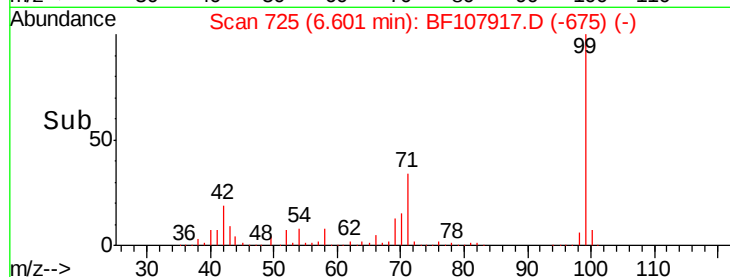
71 33.8 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.989 ng

RT: 6.73 min Scan# 747

Delta R.T. 0.21 min

Lab File: BF107917.D

Acq: 2 Aug 2018 18:50

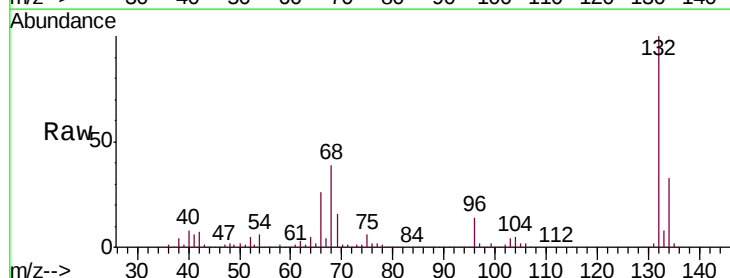
Tgt Ion: 77 Resp: 20532

Ion Ratio Lower Upper

77 100

105 90.8 81.1 121.1

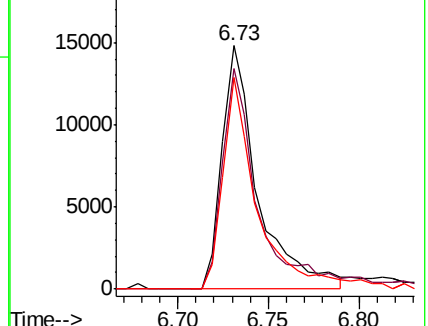
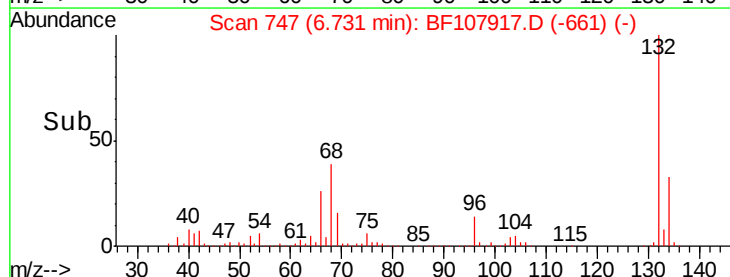
106 87.0 74.5 114.5

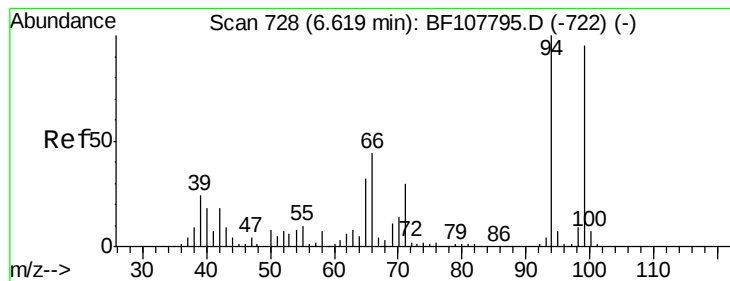


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.885 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF107917.D

Acq: 2 Aug 2018 18:50

Instrument :

BNA_F

ClientSampleId :

UST-N

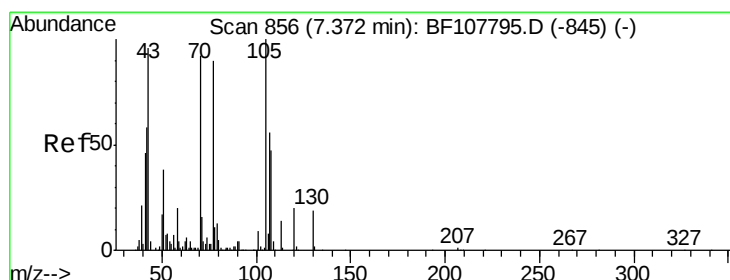
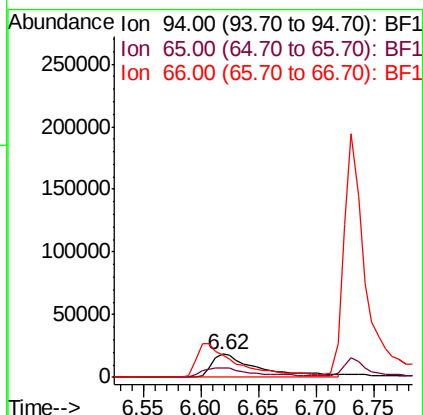
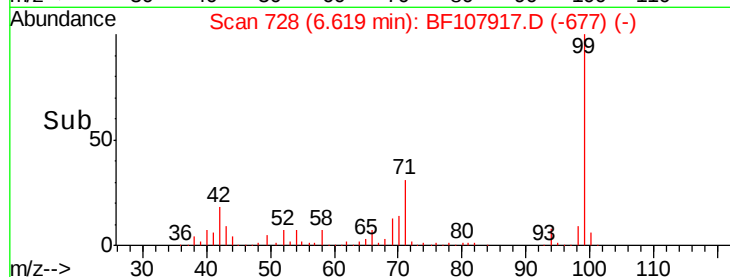
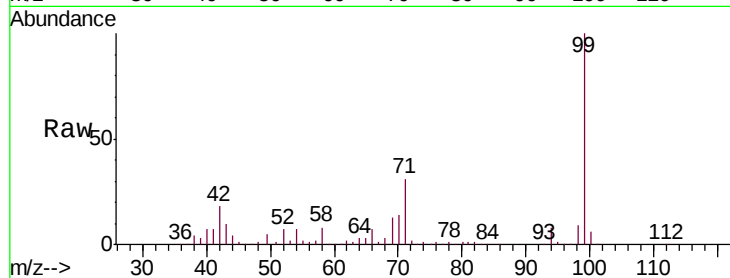
Tgt Ion: 94 Resp: 52747

Ion Ratio Lower Upper

94 100

65 41.7 7.9 47.9

66 96.6 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 12.364 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF107917.D

Acq: 2 Aug 2018 18:50

Tgt Ion: 70 Resp: 89297

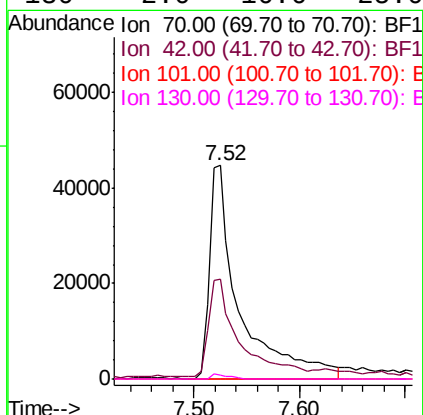
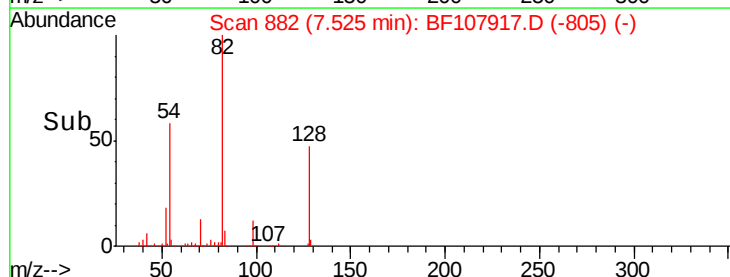
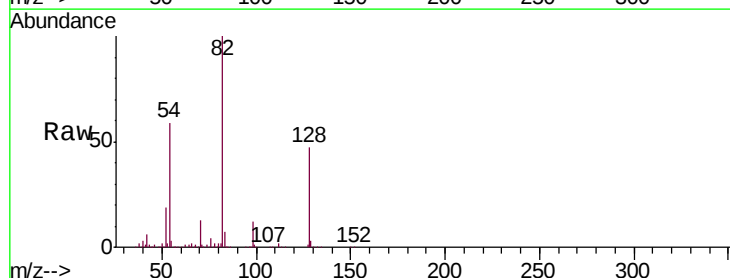
Ion Ratio Lower Upper

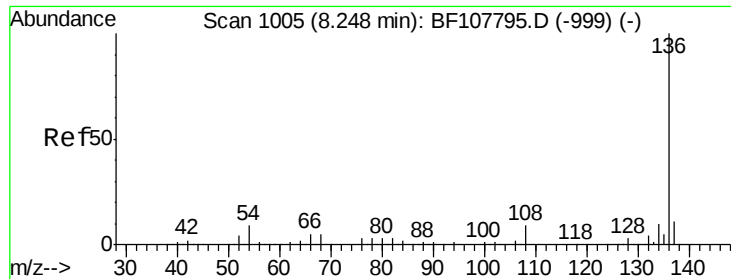
70 100

42 47.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

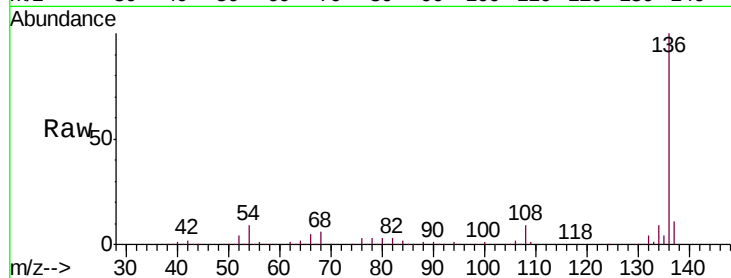




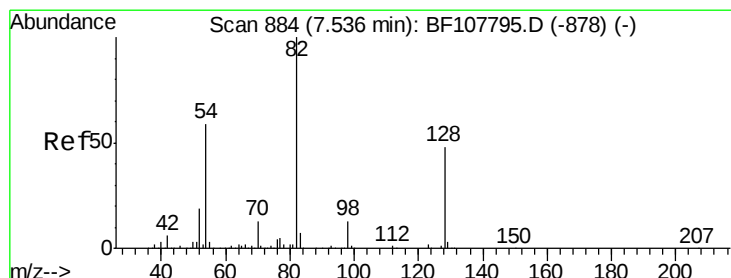
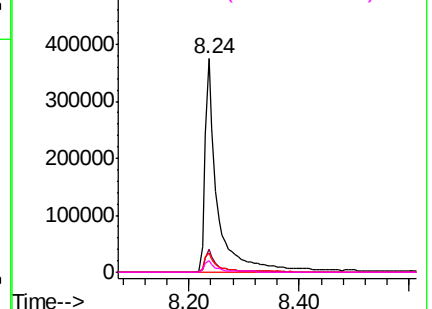
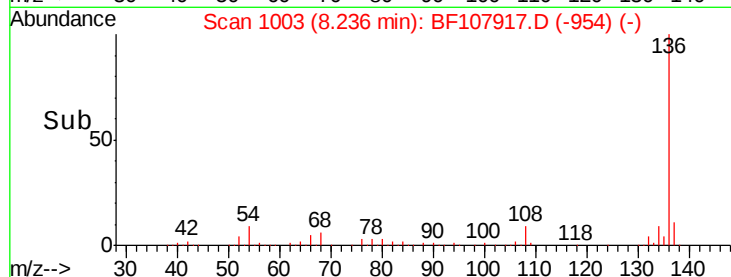
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107917.D
Acq: 2 Aug 2018 18:50

Instrument :
BNA_F
ClientSampleId :
UST-N

Tgt Ion:	136	Resp:	600723
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.9	6.6	9.8
68	5.6	5.0	7.4

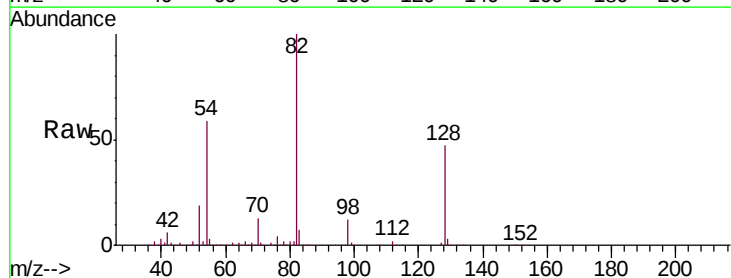


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

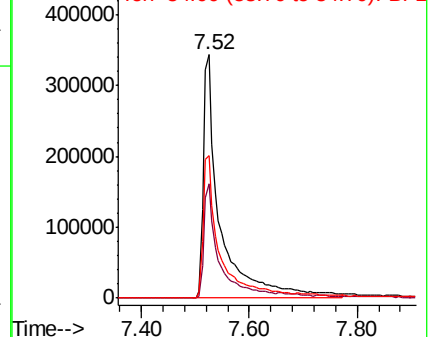
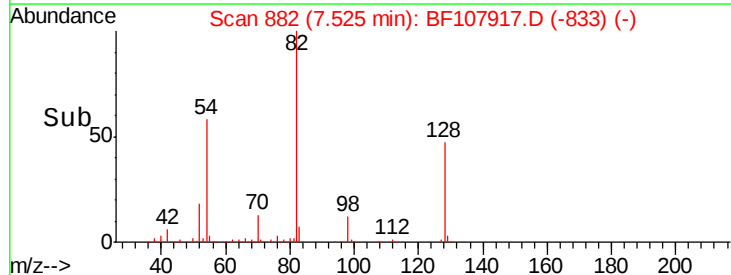


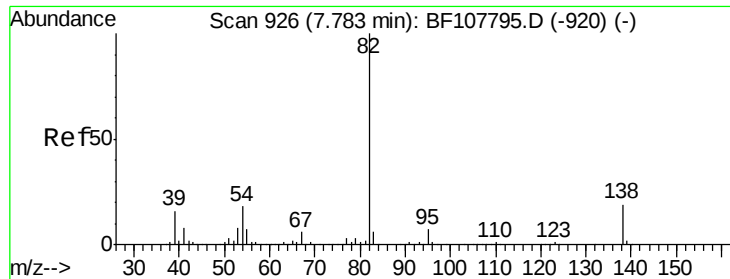
#23
Nitrobenzene-d5
Concen: 72.533 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107917.D
Acq: 2 Aug 2018 18:50

Tgt Ion:	82	Resp:	756328
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	58.7	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: 44.187 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF107917.D

Acq: 2 Aug 2018 18:50

Instrument :

BNA_F

ClientSampleId :

UST-N

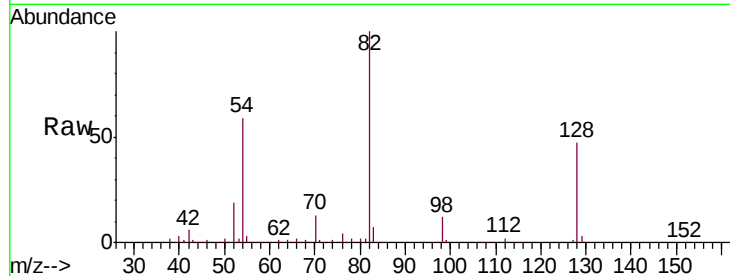
Tgt Ion: 82 Resp: 756328

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

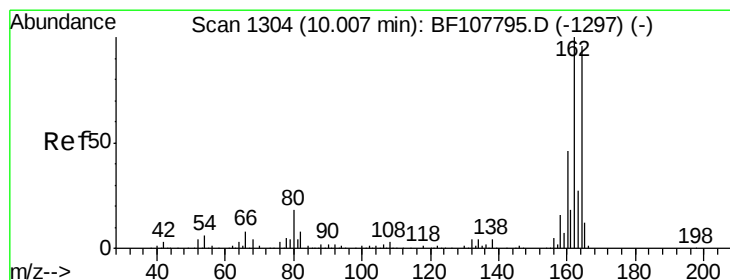
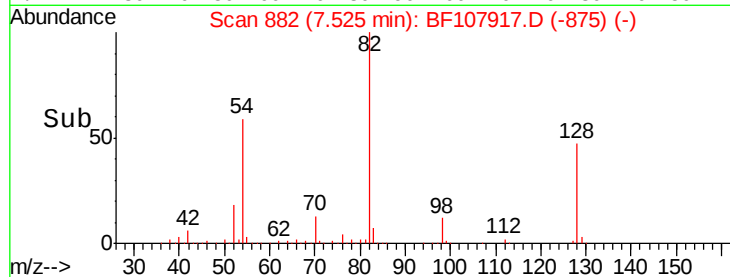
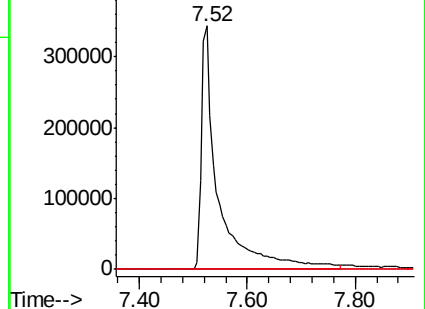
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF107917.D

Acq: 2 Aug 2018 18:50

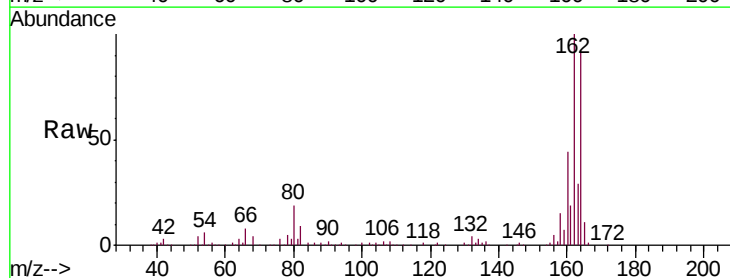
Tgt Ion: 164 Resp: 226627

Ion Ratio Lower Upper

164 100

162 108.7 86.1 129.1

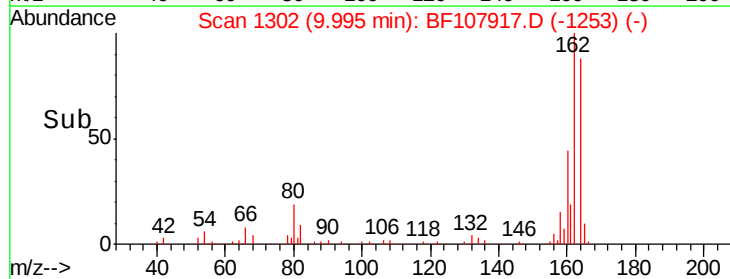
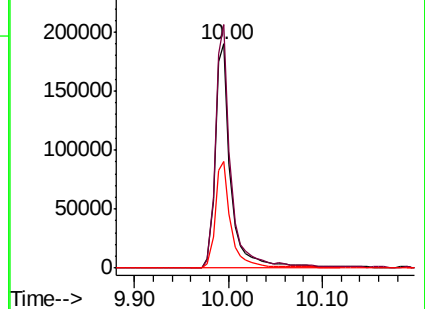
160 47.5 38.3 57.5

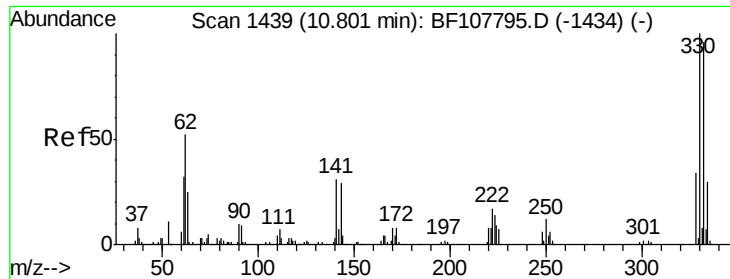


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

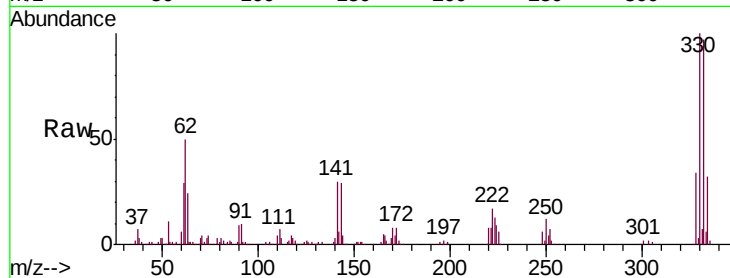




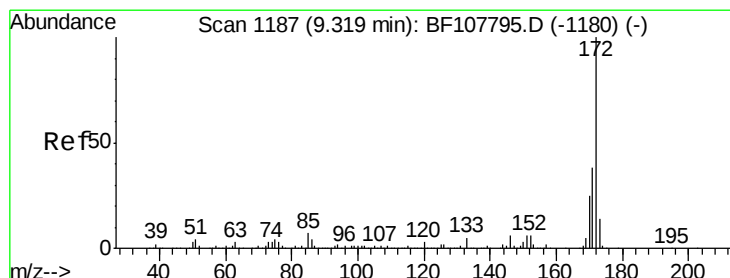
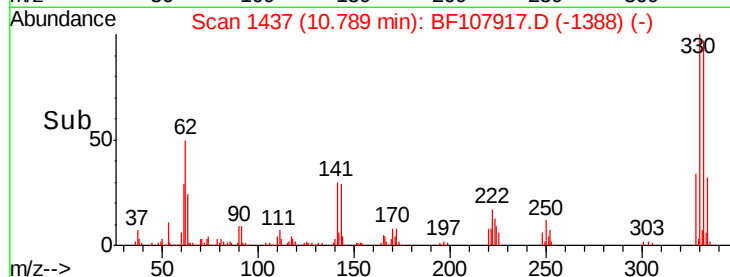
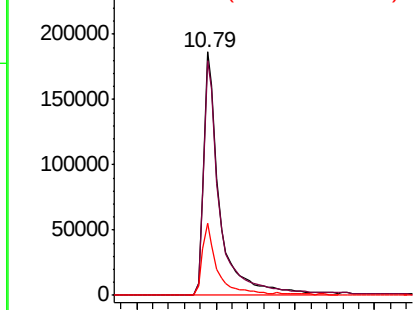
#41
 2,4,6-Tribromophenol
 Concen: 88.312 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107917.D
 Acq: 2 Aug 2018 18:50

Instrument :
 BNA_F
 ClientSampleId :
 UST-N

Tgt Ion:330 Resp: 271948
 Ion Ratio Lower Upper
 330 100
 332 99.0 77.0 115.6
 141 29.8 29.9 44.9#

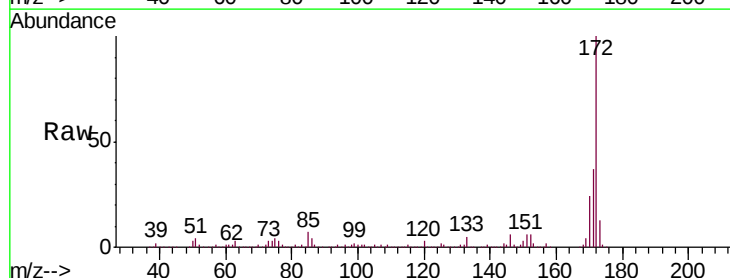


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

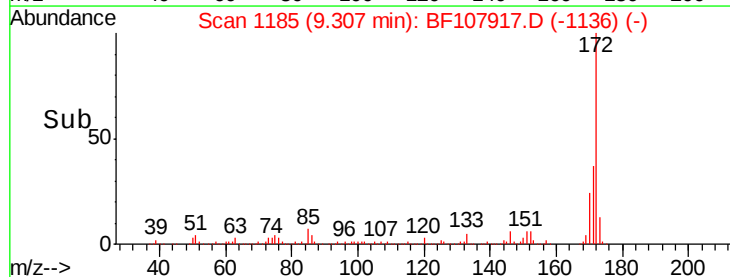
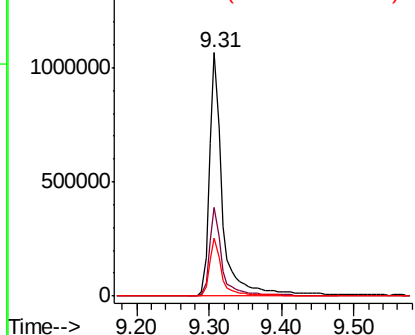


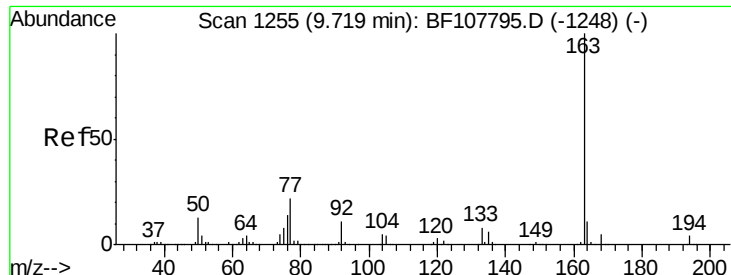
#44
 2-Fluorobiphenyl
 Concen: 83.083 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107917.D
 Acq: 2 Aug 2018 18:50

Tgt Ion:172 Resp: 1351197
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.1 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

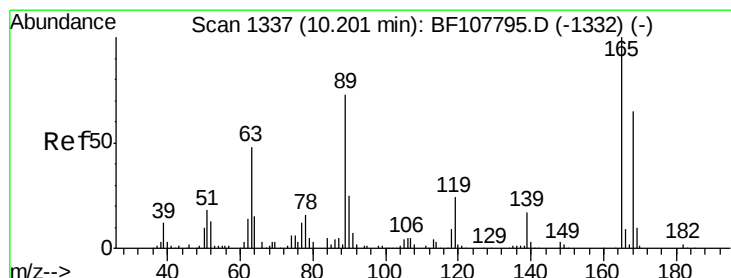
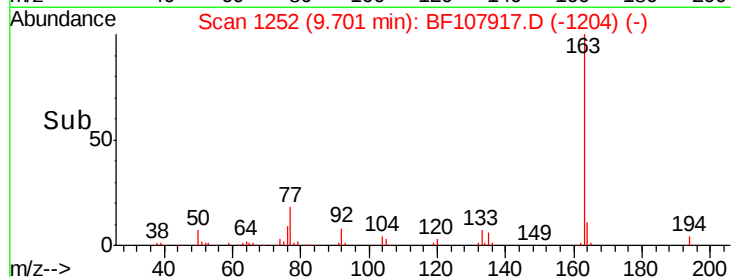
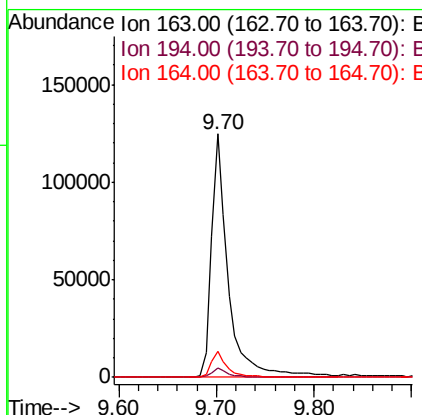
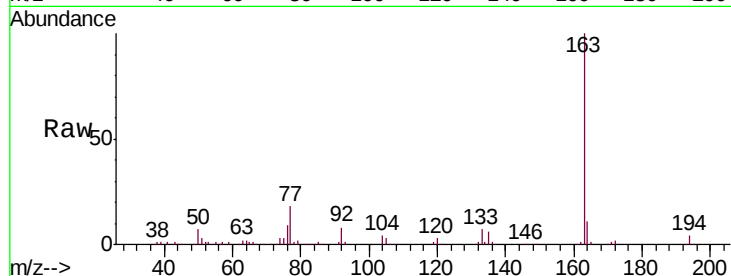




#49
Dimethylphthalate
Concen: 8.816 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107917.D
Acq: 2 Aug 2018 18:50

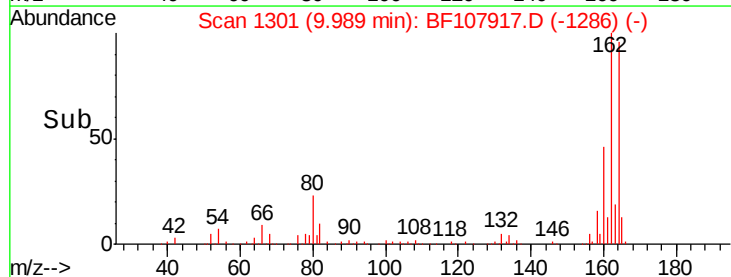
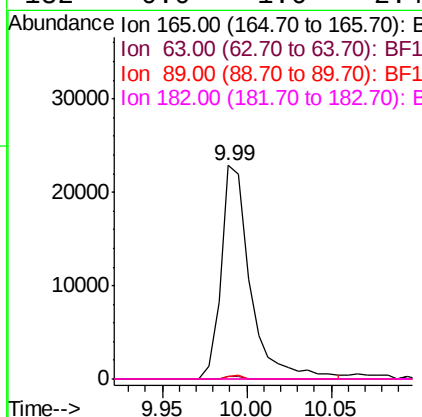
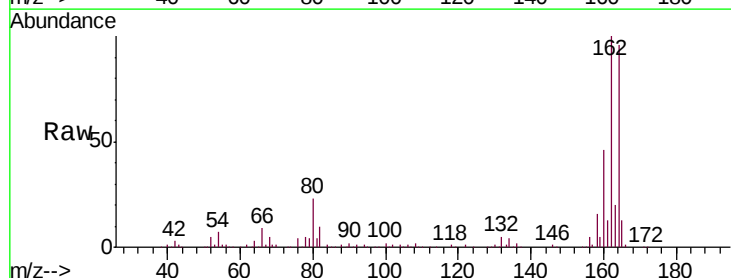
Instrument :
BNA_F
ClientSampleId :
UST-N

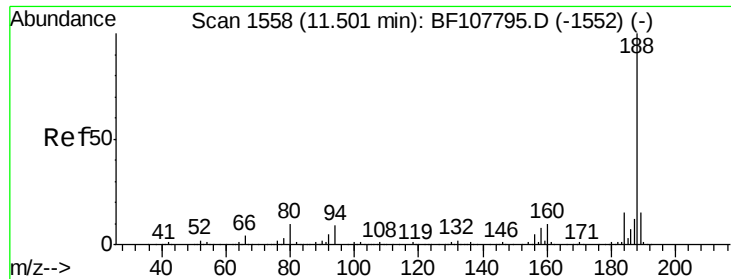
Tgt Ion:163 Resp: 150047
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.5 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 5.690 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107917.D
Acq: 2 Aug 2018 18:50

Tgt Ion:165 Resp: 27660
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#

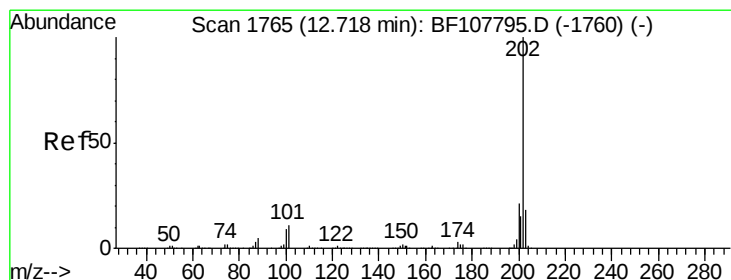
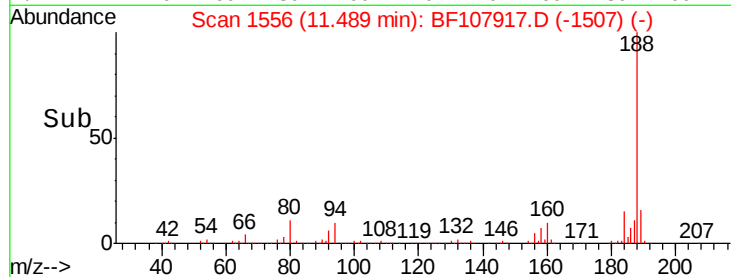
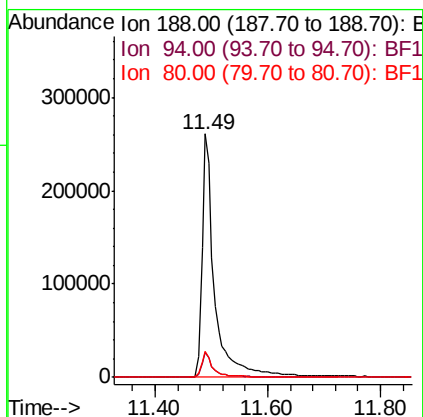
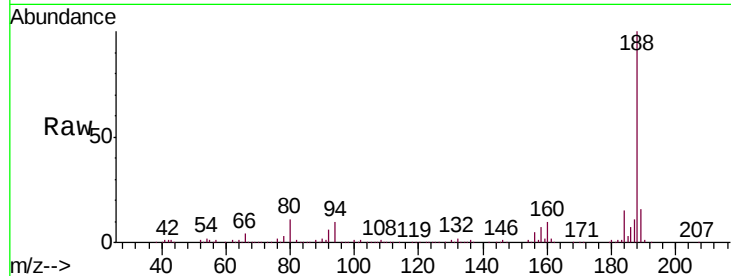




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107917.D
Acq: 2 Aug 2018 18:50

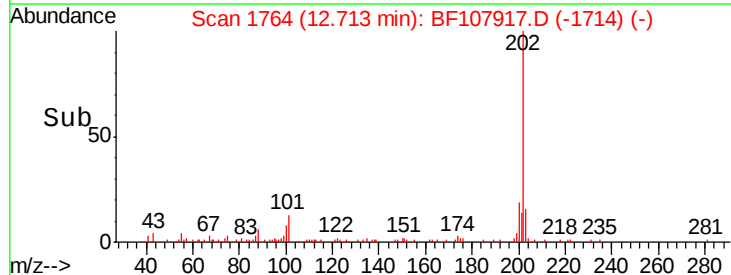
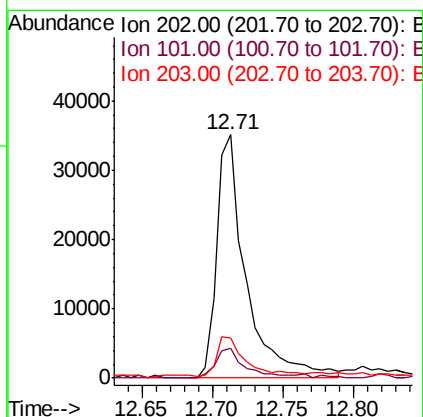
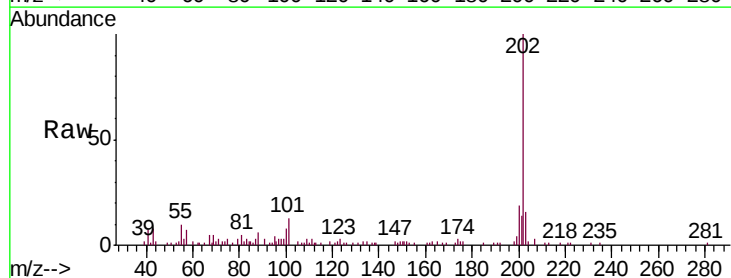
Instrument :
BNA_F
ClientSampleId :
UST-N

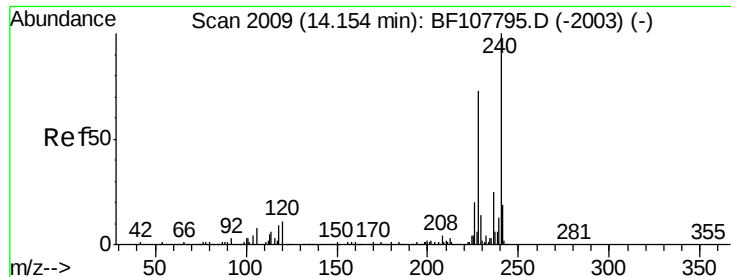
Tgt Ion:188 Resp: 411616
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.8 9.2 13.8



#74
Fluoranthene
Concen: 2.216 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF107917.D
Acq: 2 Aug 2018 18:50

Tgt Ion:202 Resp: 50885
Ion Ratio Lower Upper
202 100
101 12.5 0.0 34.1
203 16.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107917.D

Acq: 2 Aug 2018 18:50

Instrument :

BNA_F

ClientSampleId :

UST-N

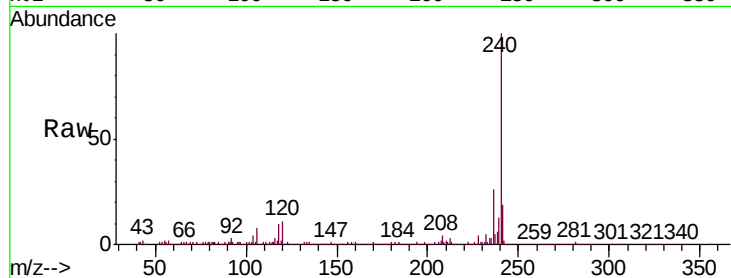
Tgt Ion:240 Resp: 395592

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

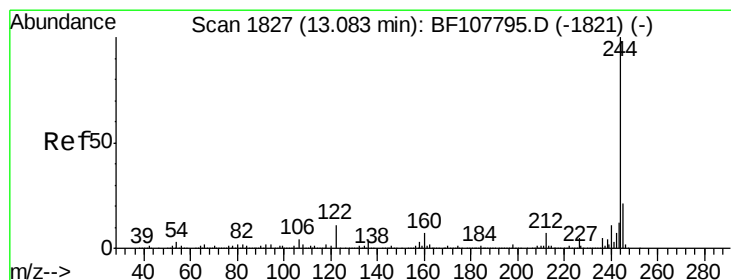
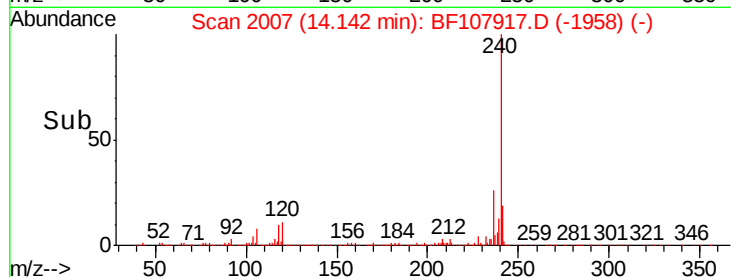
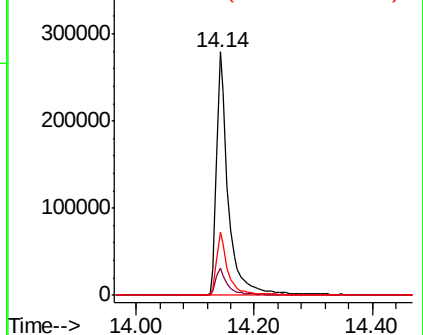
236 26.0 20.7 31.1



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



#78

Terphenyl-d14

Concen: 65.956 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107917.D

Acq: 2 Aug 2018 18:50

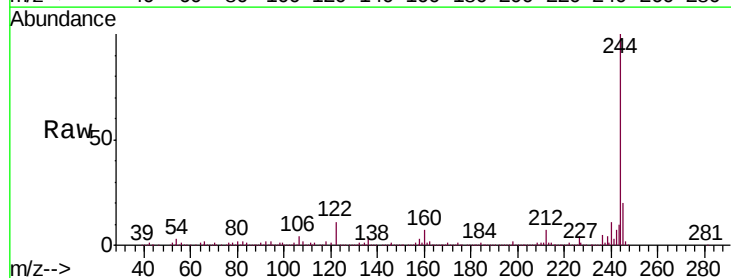
Tgt Ion:244 Resp: 1203257

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

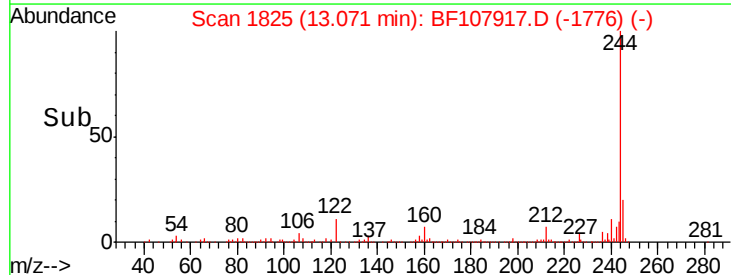
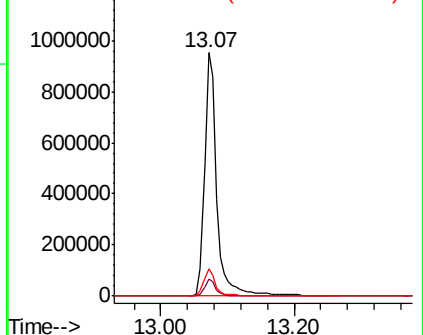
122 11.4 11.0 16.4

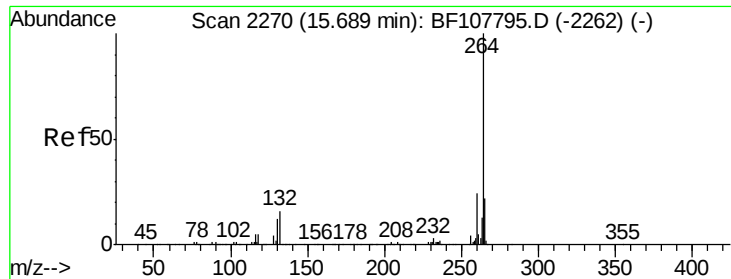


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

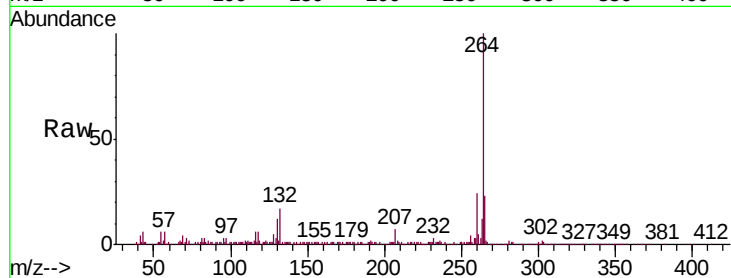




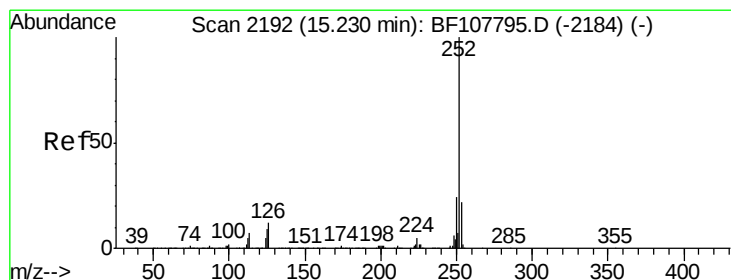
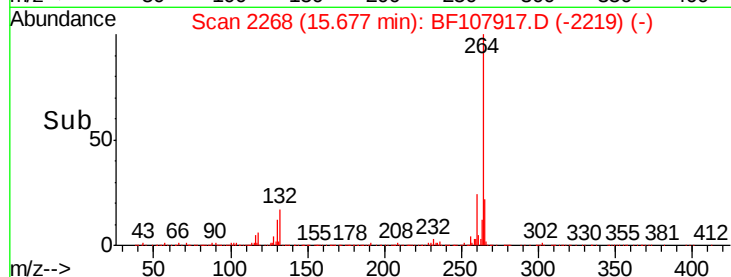
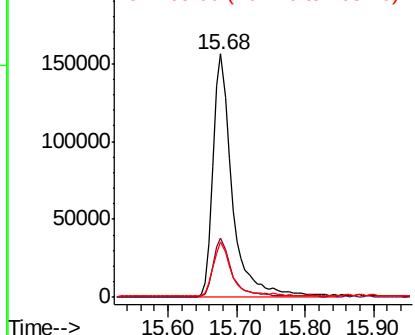
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF107917.D
Acq: 2 Aug 2018 18:50

Instrument :
BNA_F
ClientSampleId :
UST-N

Tgt Ion:264 Resp: 303143
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 22.7 17.5 26.3

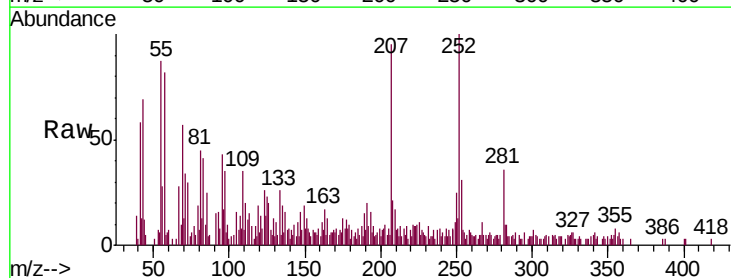


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 2.189 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF107917.D
Acq: 2 Aug 2018 18:50

Tgt Ion:252 Resp: 32726
Ion Ratio Lower Upper
252 100
253 30.9 17.0 25.6#
125 23.0 9.0 13.6#



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

