

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107945.D
 Acq On : 3 Aug 2018 18:39
 Operator : JU/SJ
 Sample : J4317-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 03 22:59:36 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

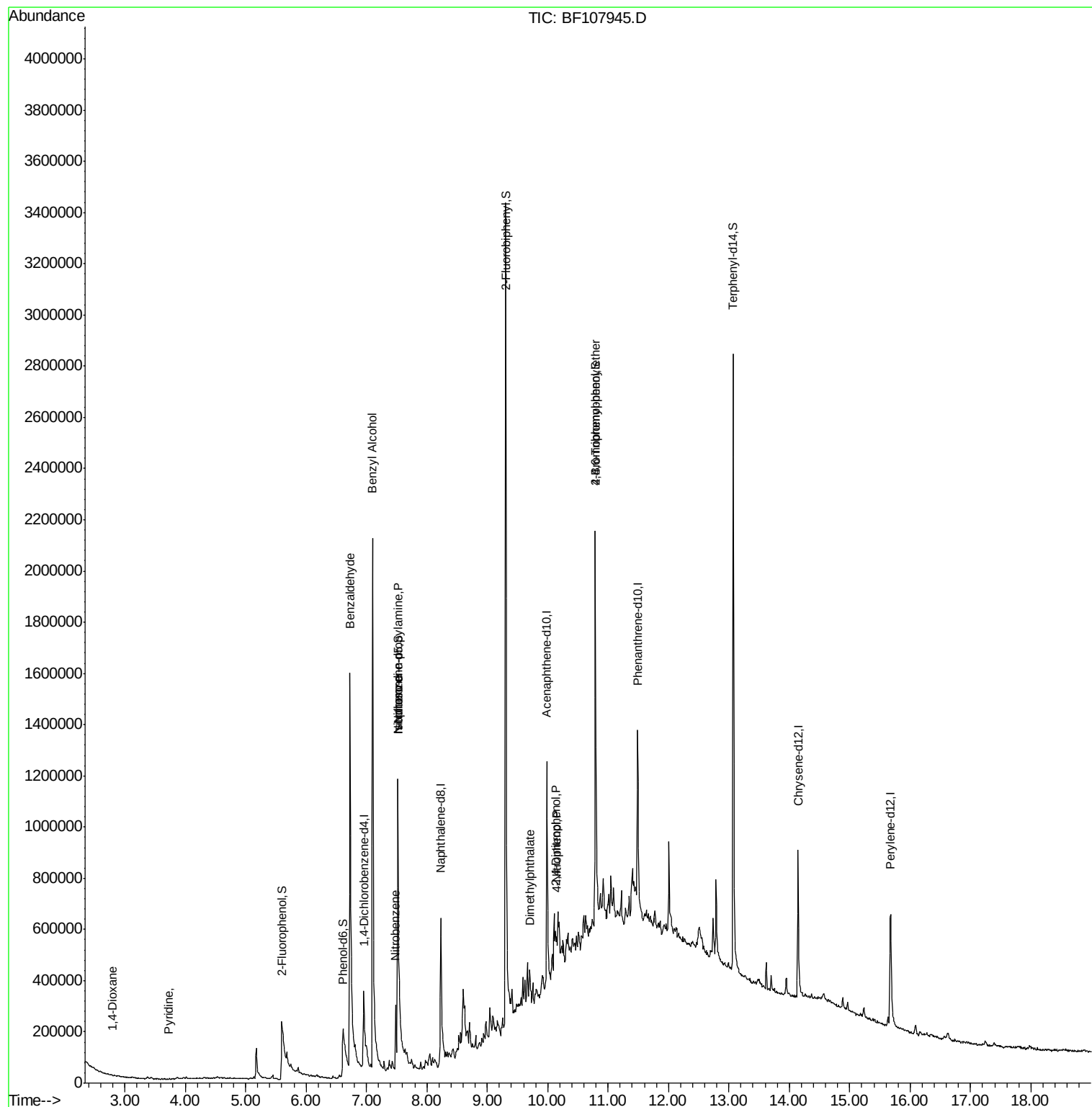
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	121198	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	518778	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	226076	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	397739	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	303662	20.00	ng	-0.01
86) Perylene-d12	15.68	264	351517	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	298362	41.84	ng	0.00
7) Phenol-d6	6.61	99	327655	34.86	ng	0.00
23) Nitrobenzene-d5	7.52	82	821987	91.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	341721	111.24	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1536675	94.72	ng	-0.01
78) Terphenyl-d14	13.07	244	1145410	81.79	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.80	88	296	5.871	ng	# 20
3) Pyridine	3.72	79	132	6.268	ng	# 1
9) Benzaldehyde	6.72	77	15047	2.654	ng	# 80
15) Benzyl Alcohol	7.10	79	12084	2.069	ng	# 45
19) n-Nitroso-di-n-propylamine	7.52	70	88122	14.781	ng	# 80
24) Nitrobenzene	7.48	77	19559	2.071	ng	# 45
25) Isophorone	7.52	82	844662	57.143	ng	# 64
49) Dimethylphthalate	9.70	163	50473	2.973	ng	# 96
53) 2,4-Dinitrophenol	10.14	184	117	8.494	ng	# 1
55) 4-Nitrophenol	10.15	139	3509	10.729	ng	# 1
66) 4-Bromophenyl-phenylether	10.79	248	19862	4.284	ng	# 1

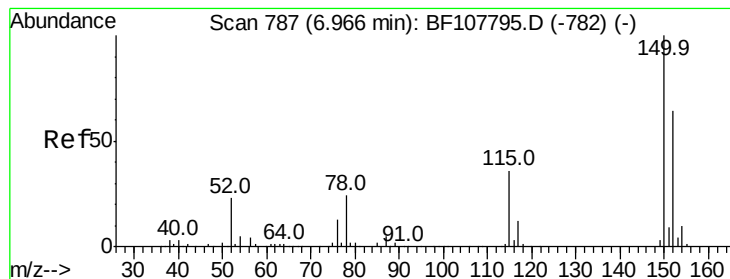
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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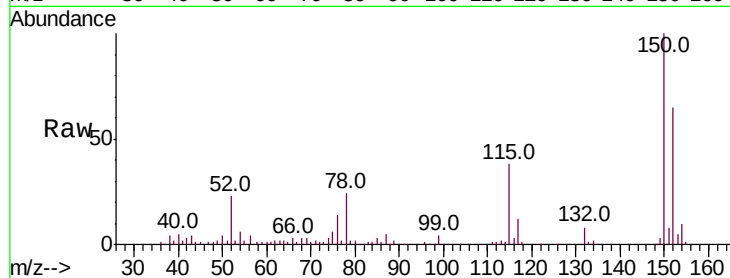


#1

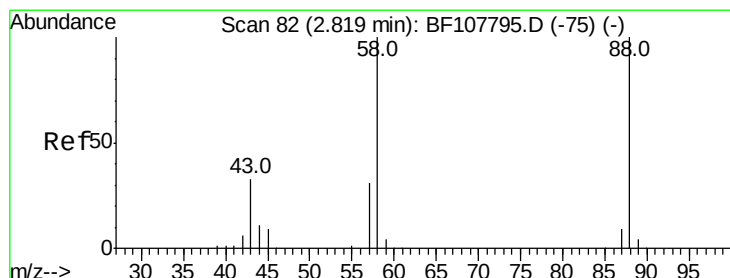
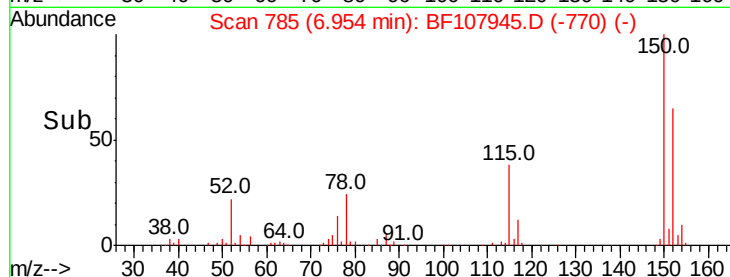
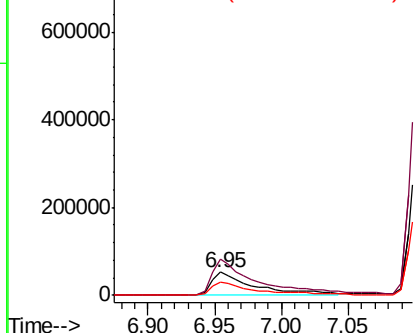
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107945.D
Acq: 3 Aug 2018 18:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 121198
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 58.6 50.1 75.1



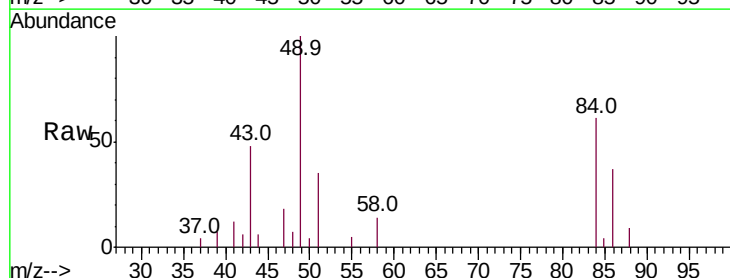
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



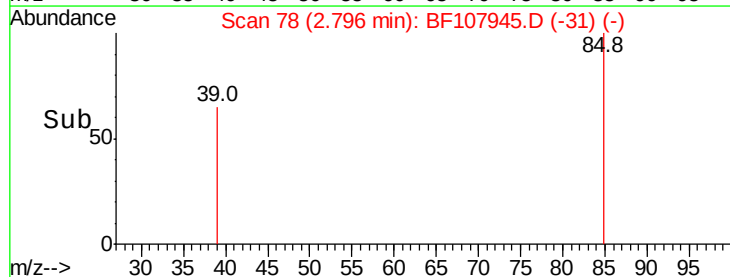
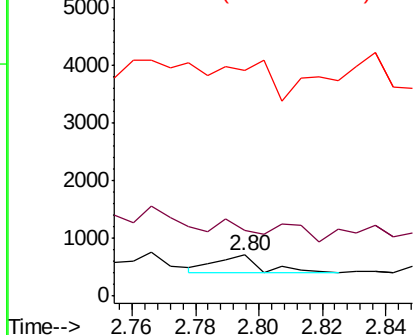
#2

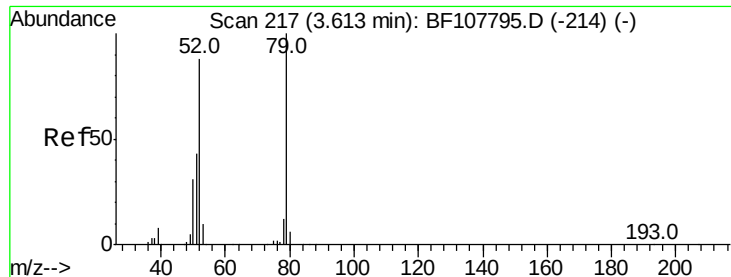
1,4-Dioxane
Concen: 5.871 ng
RT: 2.80 min Scan# 78
Delta R.T. -0.02 min
Lab File: BF107945.D
Acq: 3 Aug 2018 18:39

Tgt Ion: 88 Resp: 296
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 0.0 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

Pvridine

Concen: 6.268 ng

RT: 3.72 min Scan# 235

Delta R.T. 0.11 min

Lab File: BF107945.D

Acq: 3 Aug 2018 18:39

Instrument :

BNA_F

ClientSampleId :

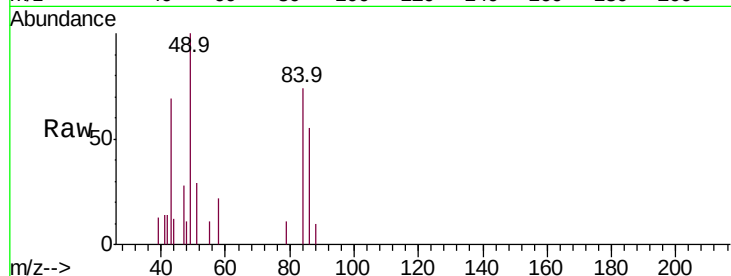
Tot Ion: 79 Resp: 132

Ion Ratio Lower Upper

79 100

52 0.0 59.8 89.6#

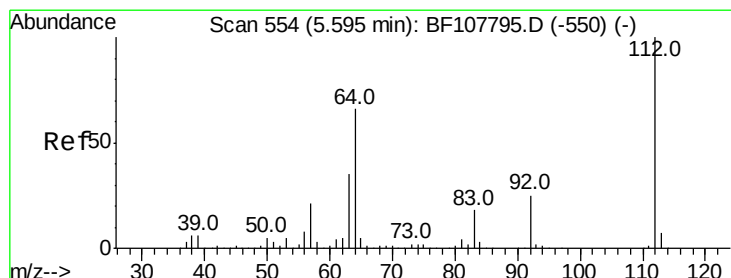
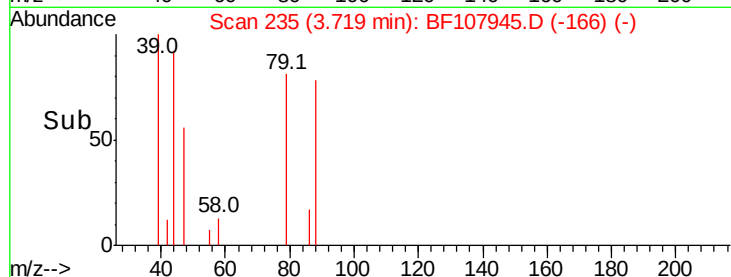
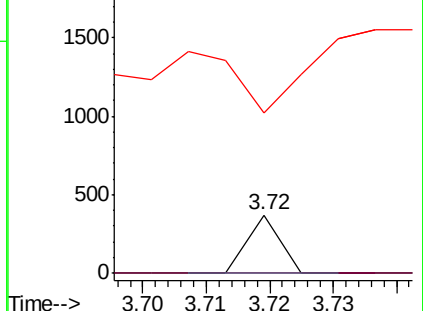
51 273.5 29.8 44.8#



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: 41.839 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107945.D

Acq: 3 Aug 2018 18:39

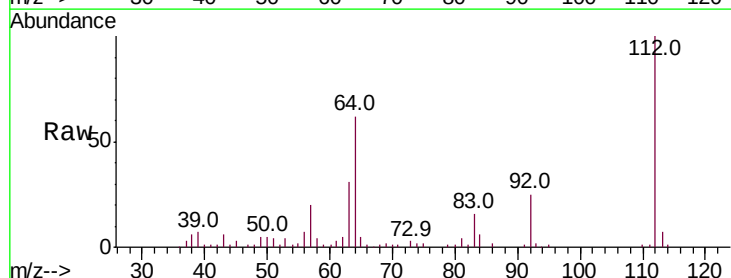
Tgt Ion: 112 Resp: 298362

Ion Ratio Lower Upper

112 100

64 61.8 47.9 71.9

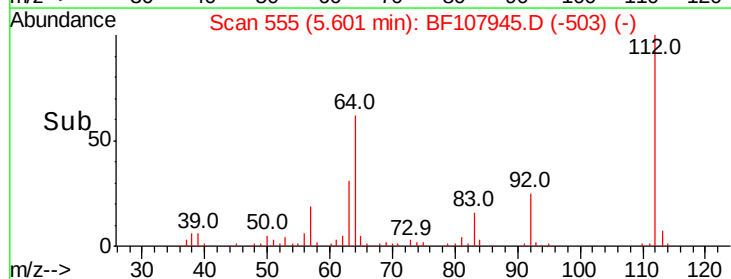
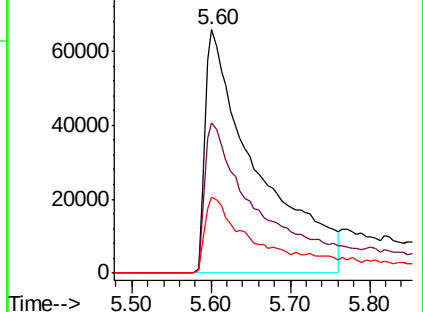
63 31.1 23.7 35.5

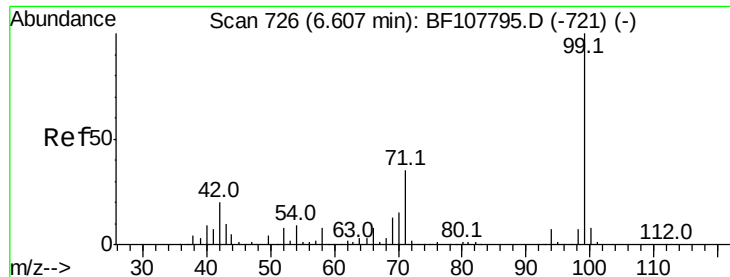


Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 34.862 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107945.D

Acq: 3 Aug 2018 18:39

Instrument :

BNA_F

ClientSampled :

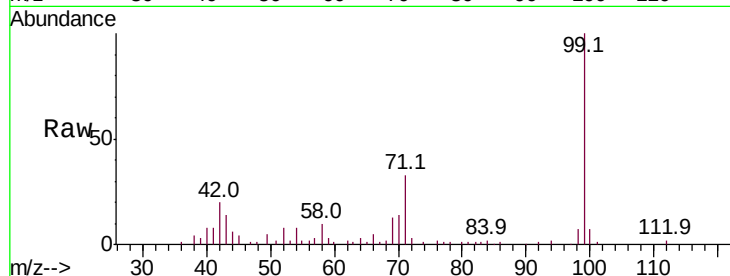
Tot Ion: 99 Resp: 327655

Ion Ratio Lower Upper

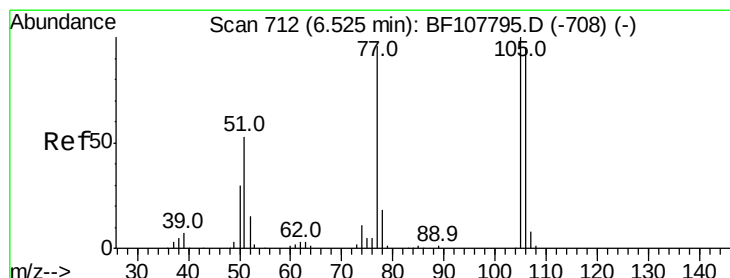
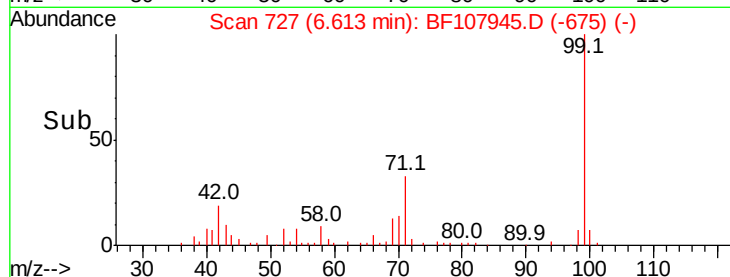
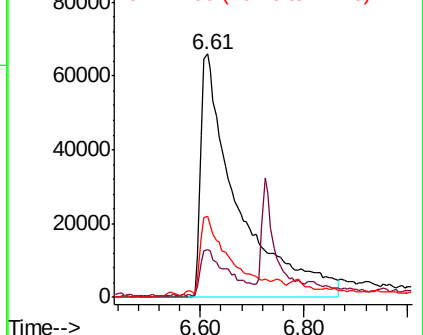
99 100

42 19.8 14.5 21.7

71 33.4 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: 2.654 ng

RT: 6.72 min Scan# 746

Delta R.T. 0.20 min

Lab File: BF107945.D

Acq: 3 Aug 2018 18:39

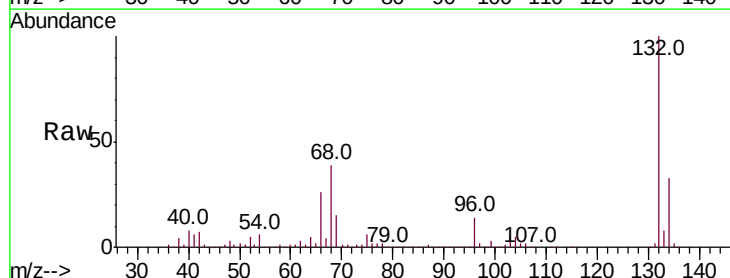
Tgt Ion: 77 Resp: 15047

Ion Ratio Lower Upper

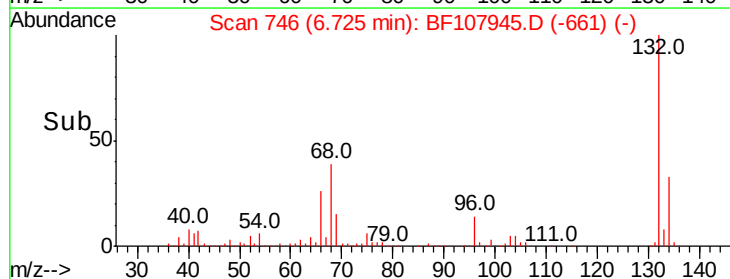
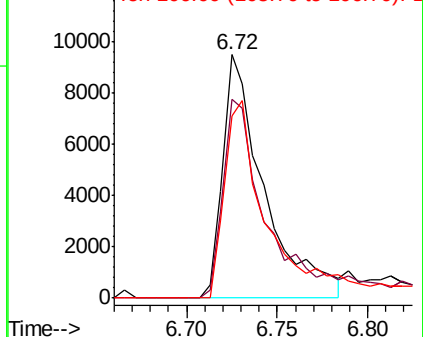
77 100

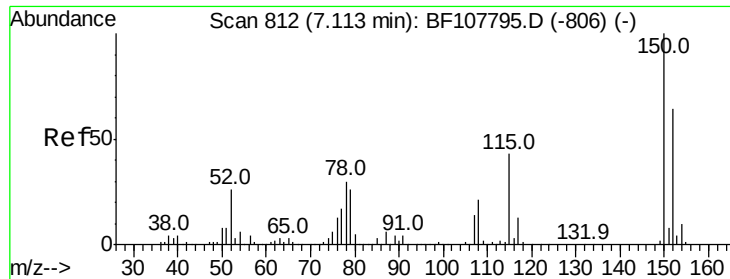
105 81.7 81.1 121.1

106 74.7 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

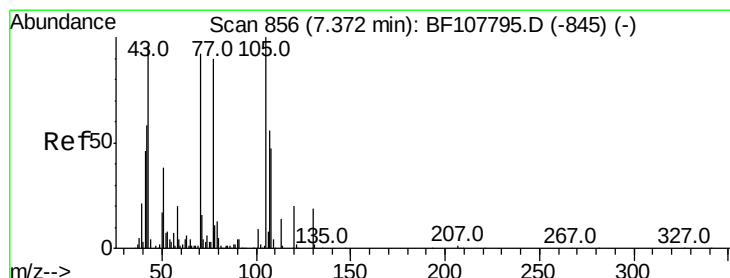
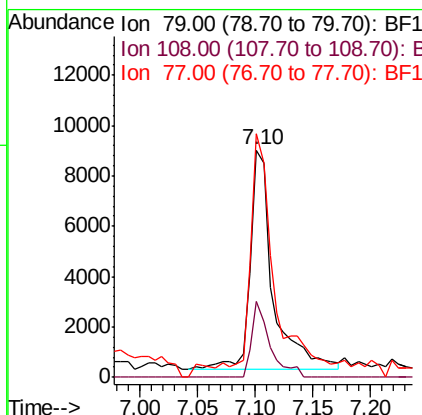
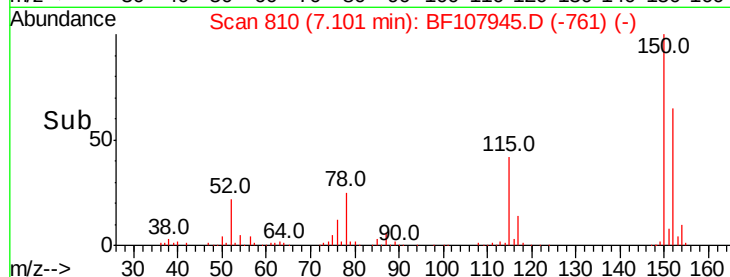
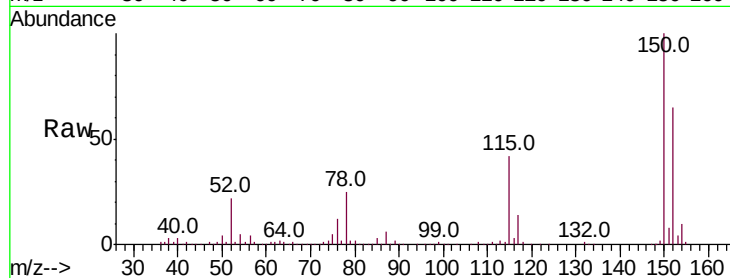




#15
Benzyl Alcohol
Concen: 2.069 ng
RT: 7.10 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF107945.D
Acq: 3 Aug 2018 18:39

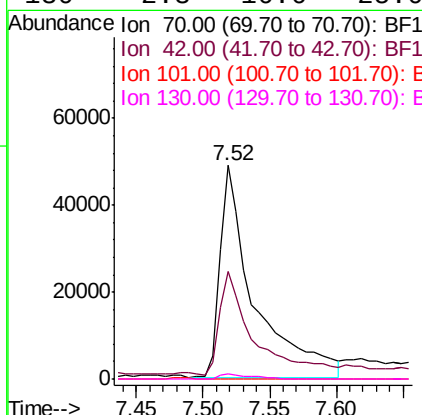
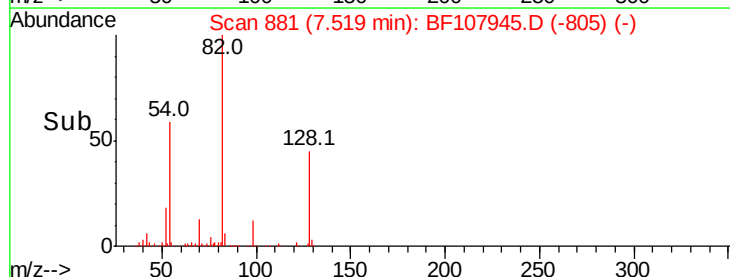
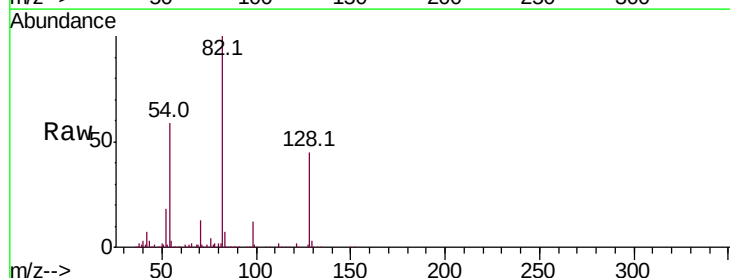
Instrument :
BNA_F
ClientSampleId :

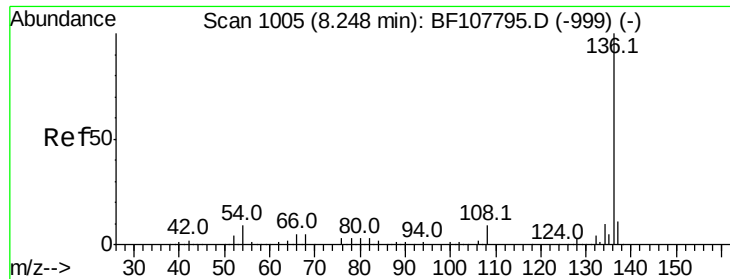
Tot Ion: 79 Resp: 12084
Ion Ratio Lower Upper
79 100
108 33.6 65.1 97.7#
77 107.2 50.6 75.8#



#19
n-Nitroso-di-n-propylamine
Concen: 14.781 ng
RT: 7.52 min Scan# 881
Delta R.T. 0.15 min
Lab File: BF107945.D
Acq: 3 Aug 2018 18:39

Tgt Ion: 70 Resp: 88122
Ion Ratio Lower Upper
70 100
42 50.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#

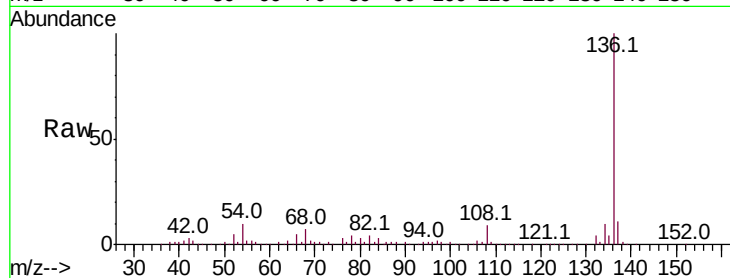




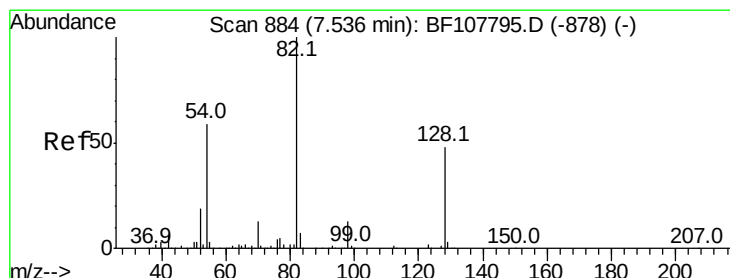
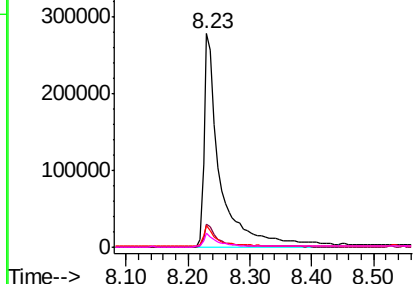
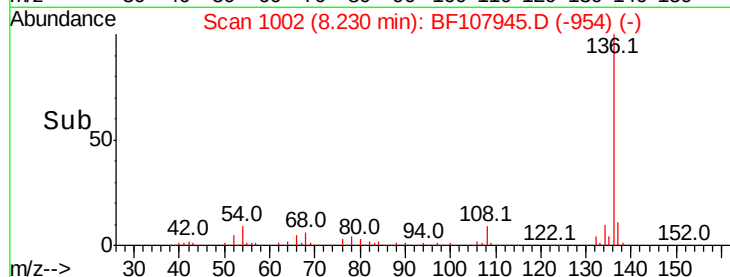
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107945.D
Acq: 3 Aug 2018 18:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	518778
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	10.0	6.6	9.8#
68	6.7	5.0	7.4

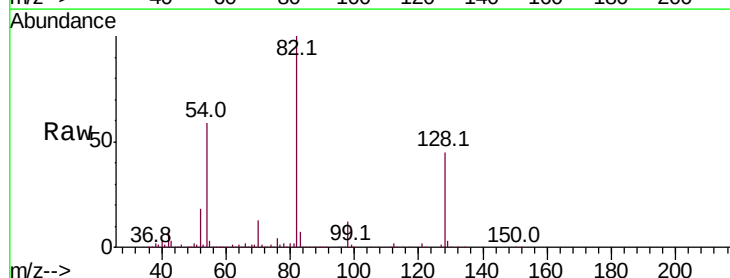


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

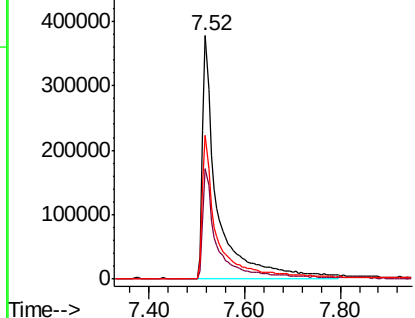
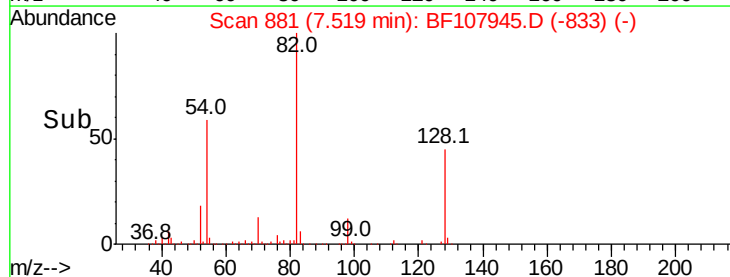


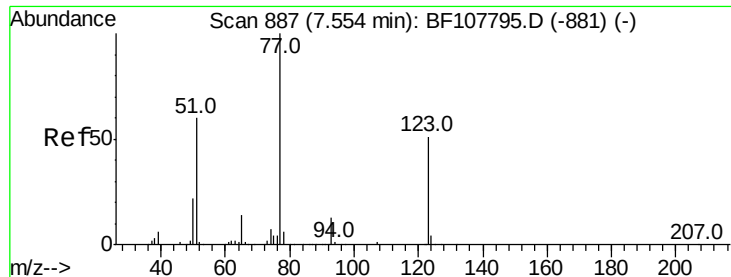
#23
Nitrobenzene-d5
Concen: 91.282 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107945.D
Acq: 3 Aug 2018 18:39

Tgt Ion:	82	Resp:	821987
Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.1	54.1
54	58.8	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

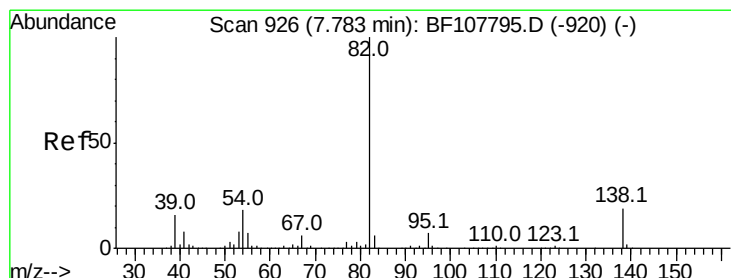
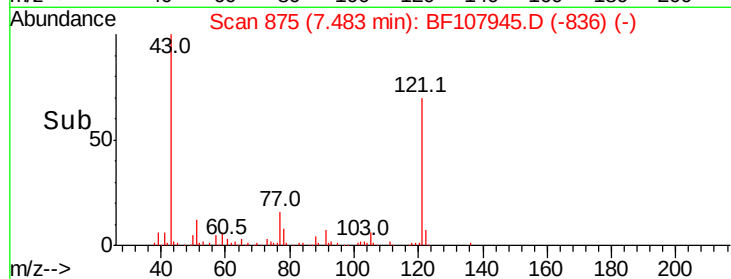
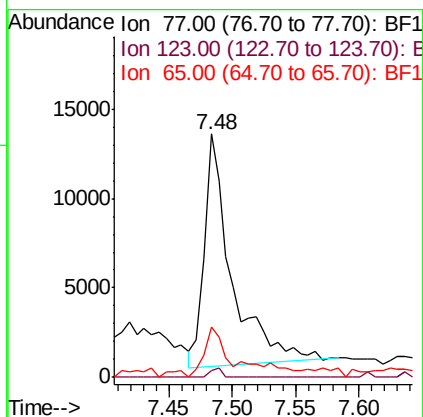
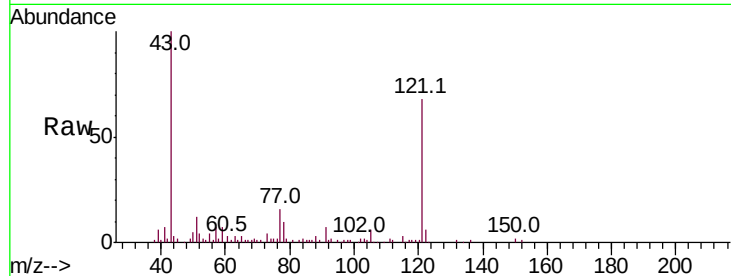




#24
Nitrobenzene
Concen: 2.071 ng
RT: 7.48 min Scan# 875
Delta R.T. -0.07 min
Lab File: BF107945.D
Acq: 3 Aug 2018 18:39

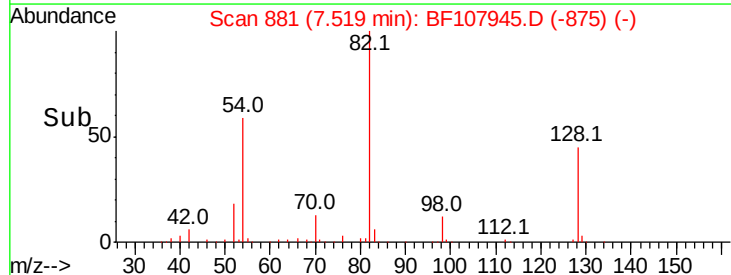
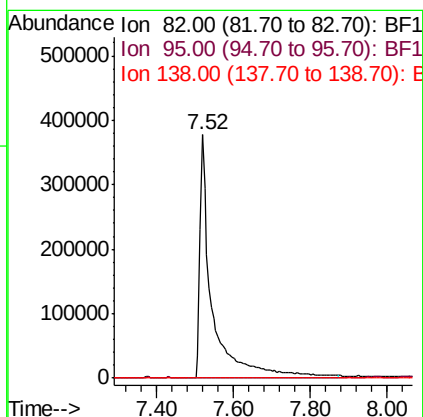
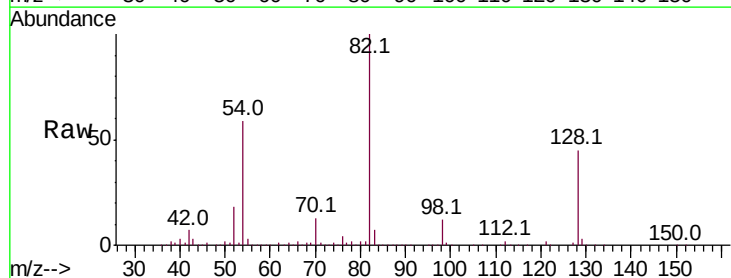
Instrument :
BNA_F
ClientSampleId :

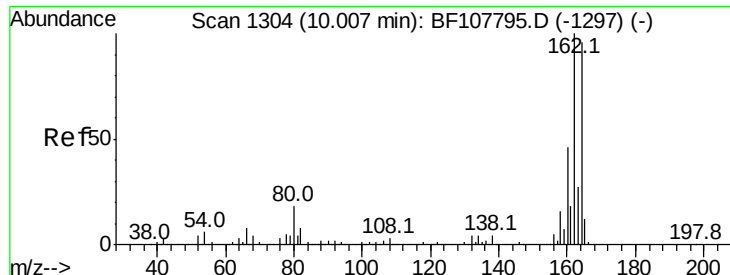
Tot Ion: 77 Resp: 19559
Ion Ratio Lower Upper
77 100
123 3.1 37.9 56.9#
65 20.6 11.0 16.4#



#25
Isophorone
Concen: 57.143 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.26 min
Lab File: BF107945.D
Acq: 3 Aug 2018 18:39

Tgt Ion: 82 Resp: 844662
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#

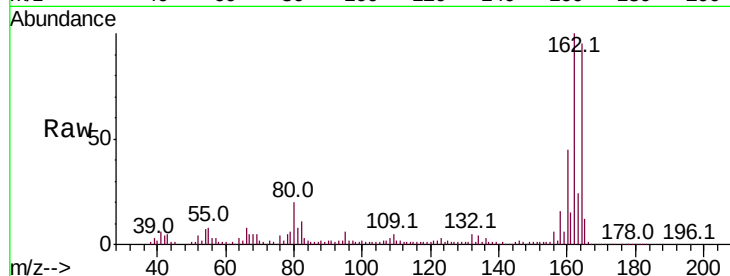




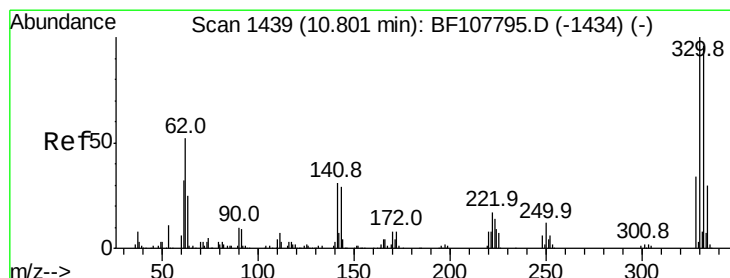
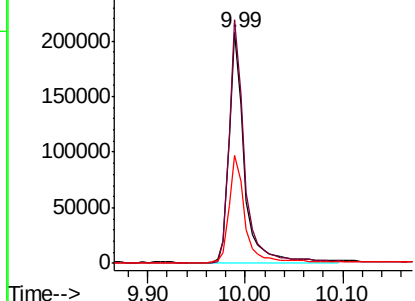
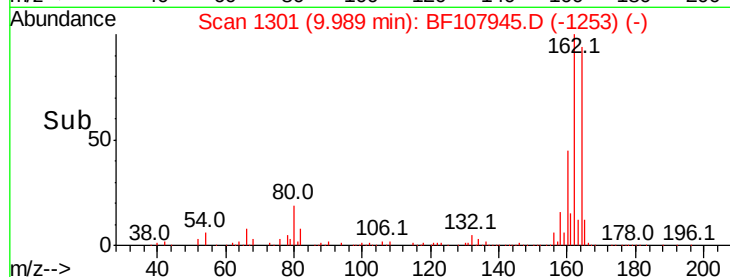
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107945.D
 Acq: 3 Aug 2018 18:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.5	86.1	129.1
160	47.0	38.3	57.5

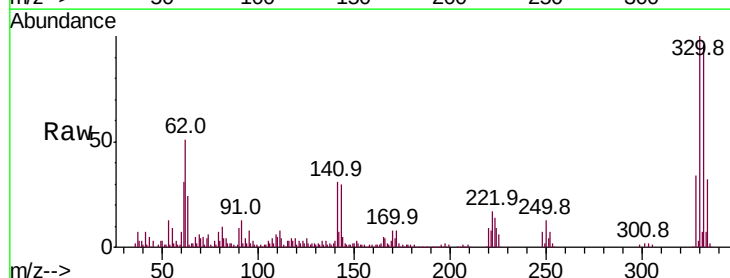


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

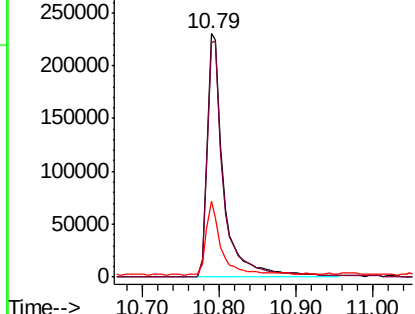
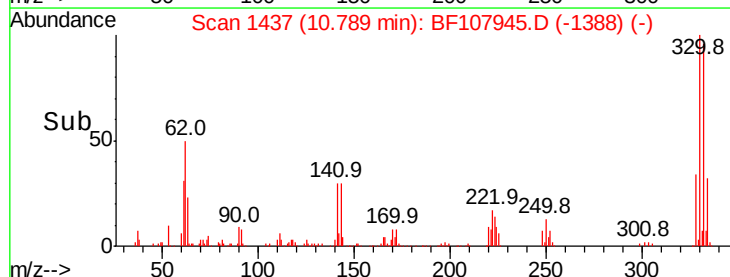


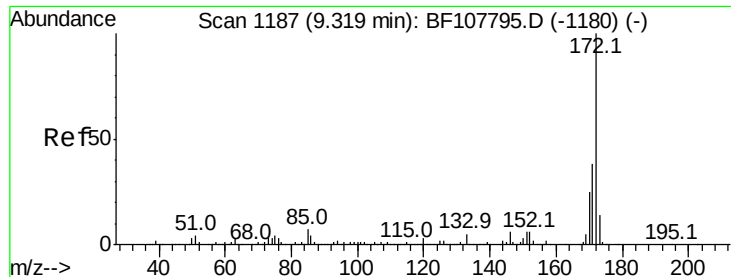
#41
 2,4,6-Tribromophenol
 Concen: 111.240 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107945.D
 Acq: 3 Aug 2018 18:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.0	115.6
141	27.9	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

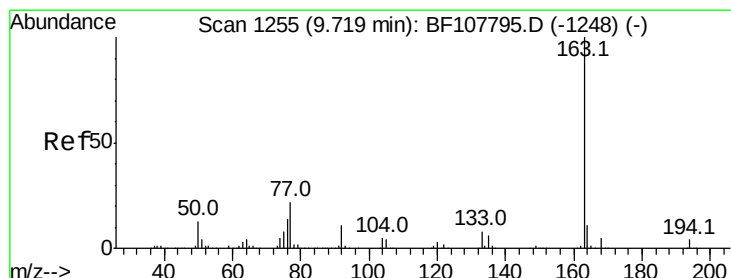
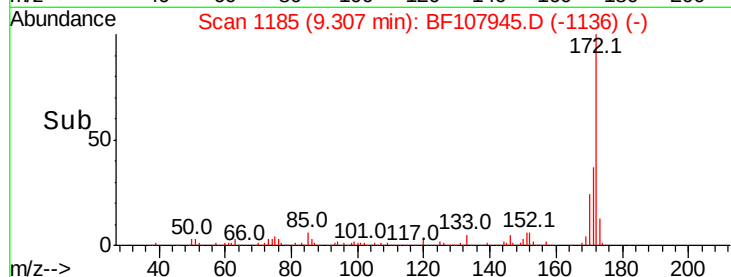
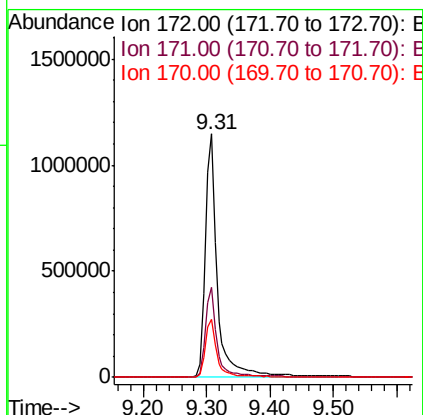
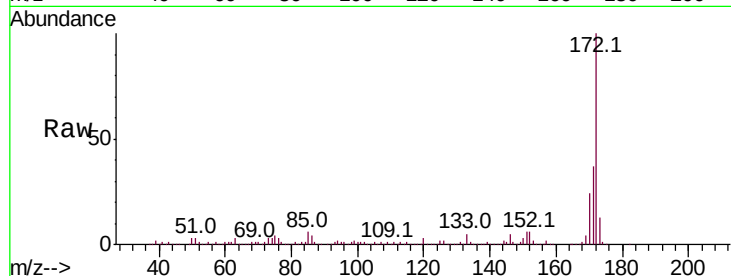




#44
2-Fluorobiphenyl
Concen: 94.718 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF107945.D
Acq: 3 Aug 2018 18:39

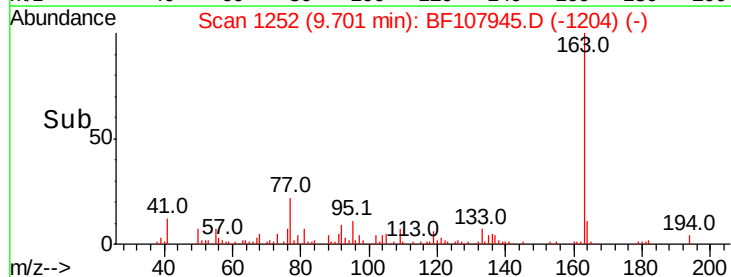
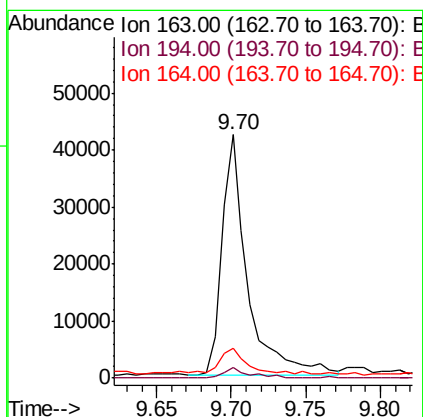
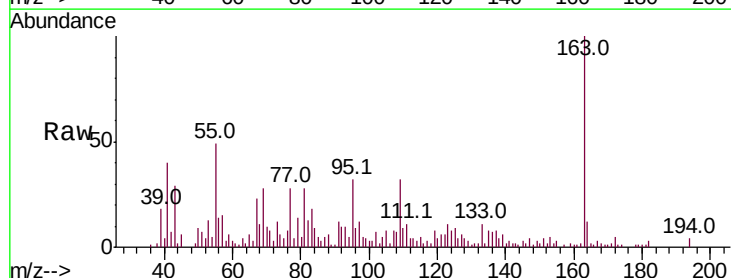
Instrument :
BNA_F
ClientSampleId :

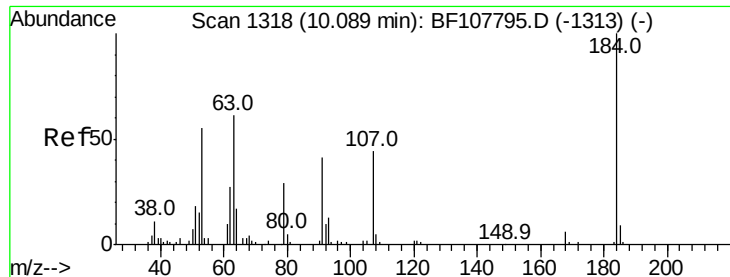
Tot Ion:172 Resp: 1536675
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 24.1 19.6 29.4



#49
Dimethylphthalate
Concen: 2.973 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107945.D
Acq: 3 Aug 2018 18:39

Tgt Ion:163 Resp: 50473
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 12.0 8.2 12.2

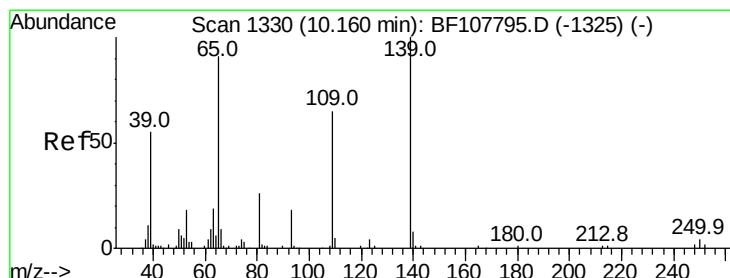
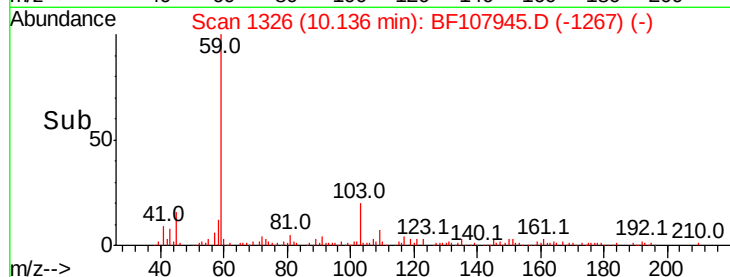
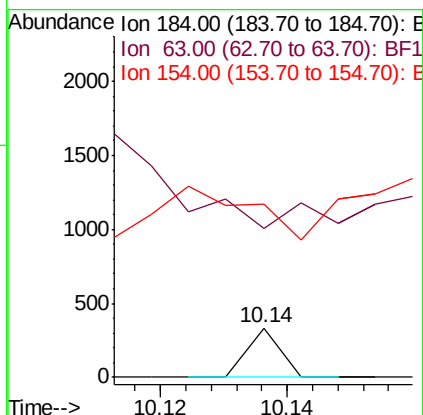
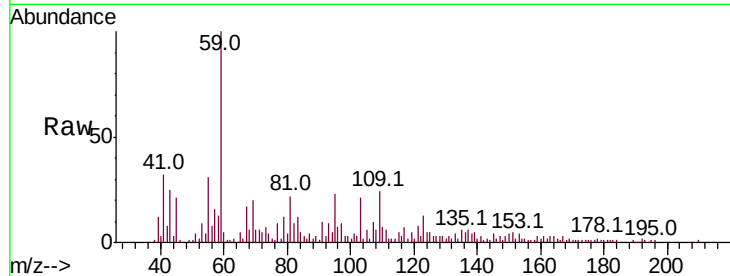




#53
2,4-Dinitrophenol
Concen: 8.494 ng
RT: 10.14 min Scan# 1326
Delta R.T. 0.05 min
Lab File: BF107945.D
Acq: 3 Aug 2018 18:39

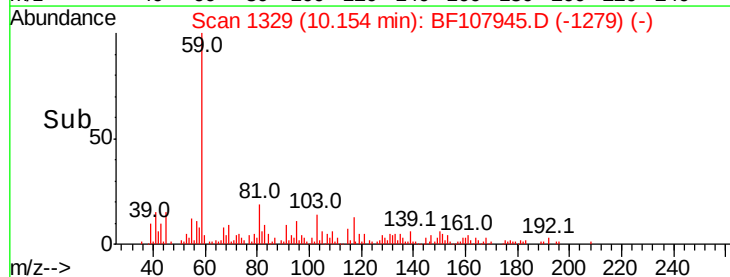
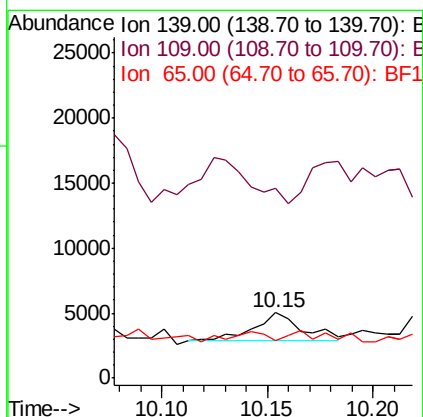
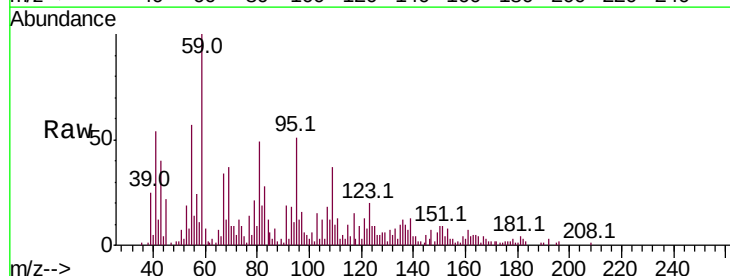
Instrument :
BNA_F
ClientSampleId :

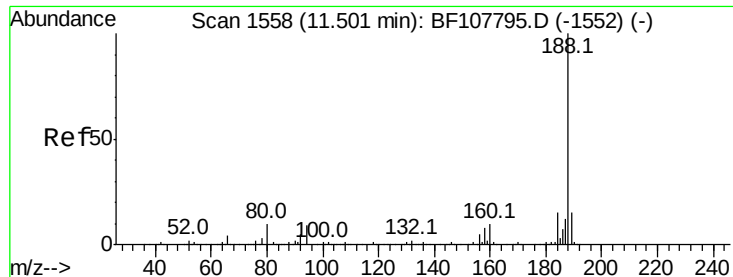
Tot Ion:184 Resp: 117
Ion Ratio Lower Upper
184 100
63 302.4 54.2 81.2#
154 353.0 184.0 276.0#



#55
4-Nitrophenol
Concen: 10.729 ng
RT: 10.15 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF107945.D
Acq: 3 Aug 2018 18:39

Tgt Ion:139 Resp: 3509
Ion Ratio Lower Upper
139 100
109 289.5 48.4 88.4#
65 57.1 72.6 112.6#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107945.D

Acq: 3 Aug 2018 18:39

Instrument :

BNA_F

ClientSampleId :

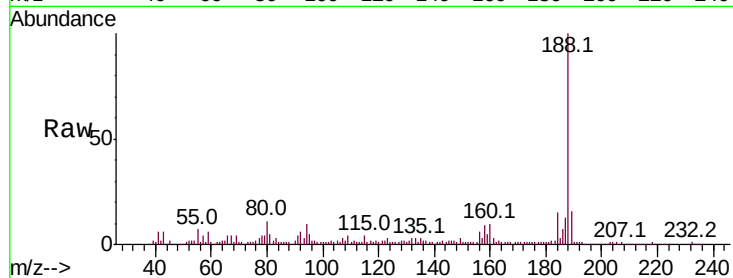
Tot Ion:188 Resp: 397739

Ion Ratio Lower Upper

188 100

94 9.8 8.5 12.7

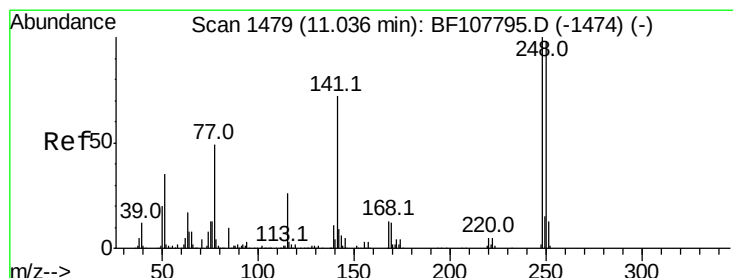
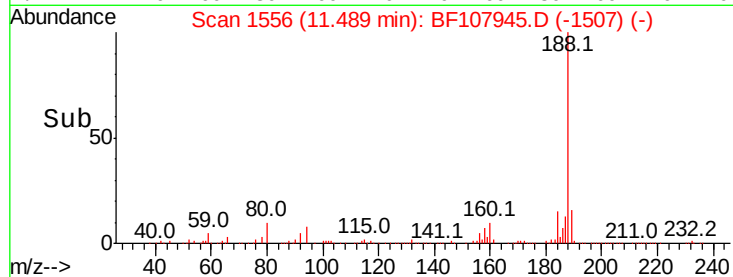
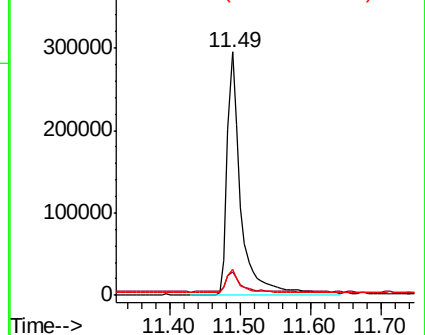
80 10.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

4-Bromophenyl-phenylether

Concen: 4.284 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.25 min

Lab File: BF107945.D

Acq: 3 Aug 2018 18:39

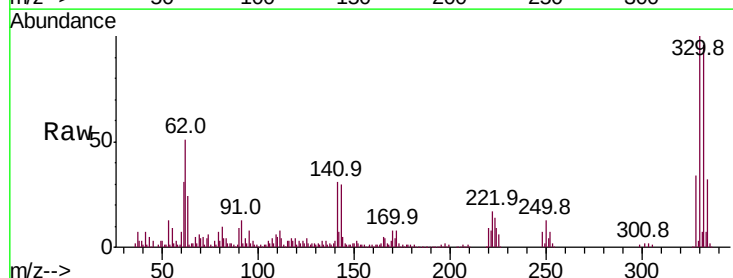
Tgt Ion:248 Resp: 19862

Ion Ratio Lower Upper

248 100

250 193.5 76.9 115.3#

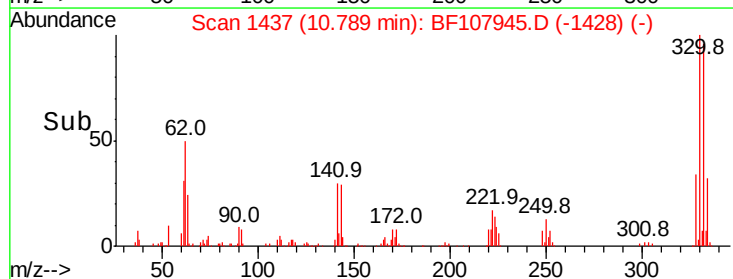
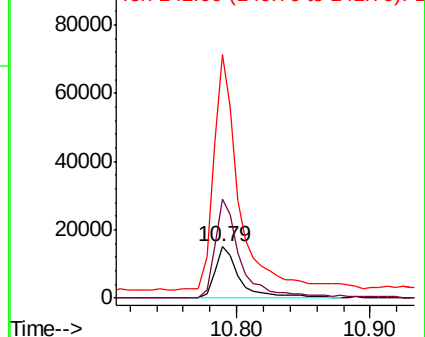
141 475.4 74.4 111.6#

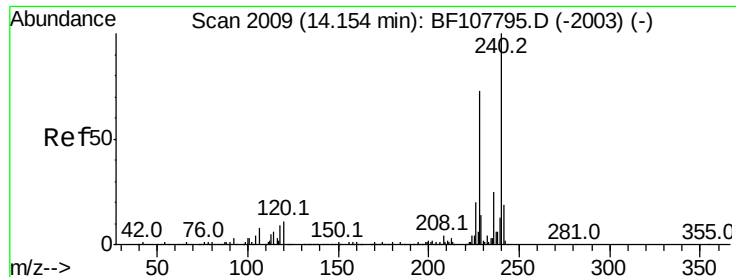


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107945.D

Acq: 3 Aug 2018 18:39

Instrument :

BNA_F

ClientSampled :

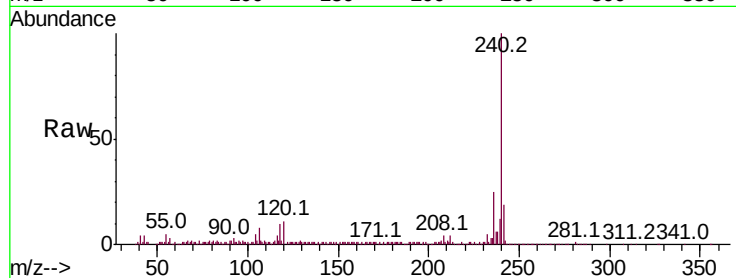
Tot Ion:240 Resp: 303662

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

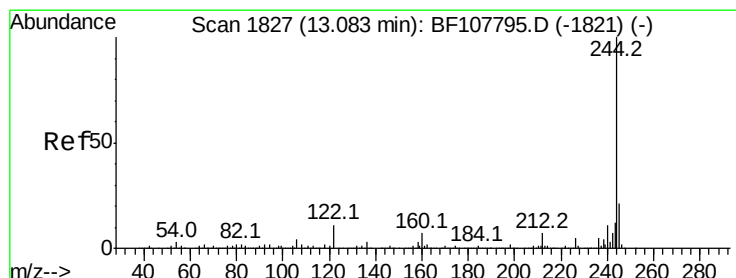
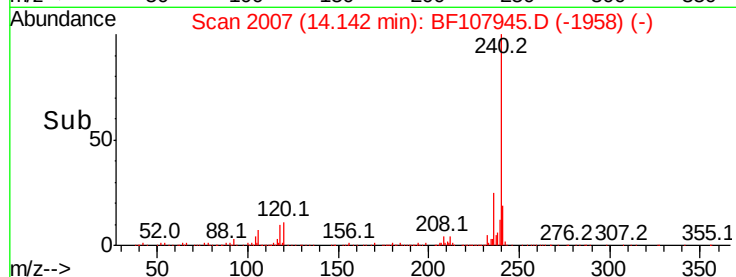
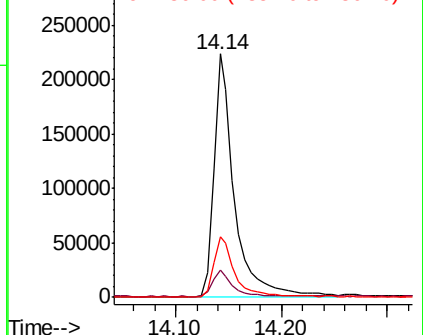
236 24.8 20.7 31.1



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: 81.793 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107945.D

Acq: 3 Aug 2018 18:39

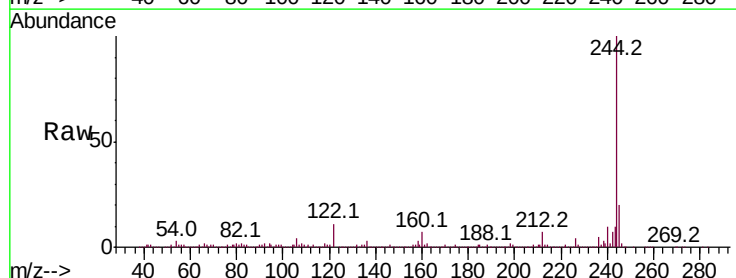
Tgt Ion:244 Resp: 1145410

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

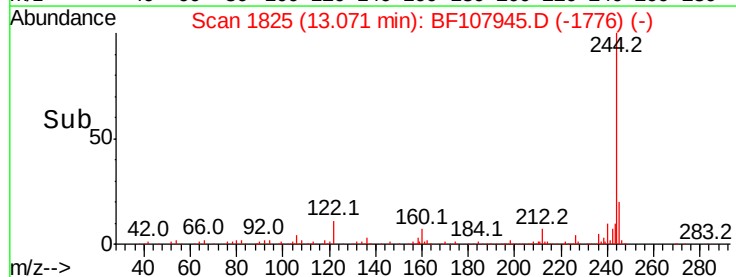
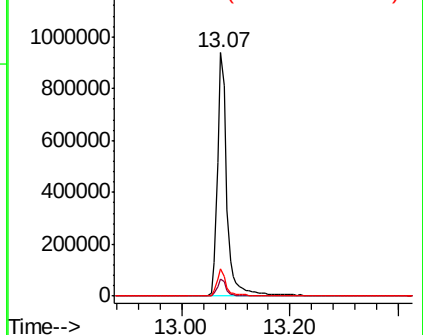
122 11.5 11.0 16.4

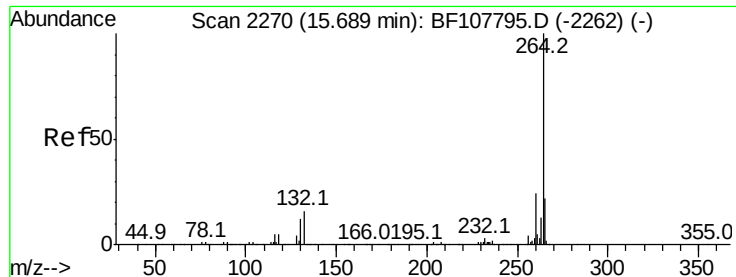


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF107945.D
Acq: 3 Aug 2018 18:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.4	17.5	26.3

