

Data Path : Z:\HPCHEM1\BNA F\Data\BF122316\
 Data File : BF091918.D
 Acq On : 23 Dec 2016 12:31
 Operator : UM/SJ
 Sample : PB95563BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95563BL

Quant Time: Dec 23 16:58:57 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	217365	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	900589	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	518660	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	797973	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	635766	20.00	ng	-0.02
86) Perylene-d12	15.28	264	526278	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1525937	117.22	ng	0.05
7) Phenol-d6	6.43	99	2213442	139.27	ng	0.02
23) Nitrobenzene-d5	7.31	82	1433815	88.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	530947	123.70	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	2259905	90.04	ng	-0.01
78) Terphenyl-d14	12.84	244	2139626	81.62	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	193518	18.30	ng	# 74
50) 2,6-Dinitrotoluene	9.78	165	65868	9.07	ng	# 30
56) 2,4-Dinitrotoluene	9.78	165	65868	7.23	ng	# 19
66) 4-Bromophenyl-phenylether	10.57	248	31558	3.80	ng	# 1
71) Anthracene	11.25	178	266	Below Cal		# 1
73) Di-n-butylphthalate	11.82	149	688	Below Cal		# 76
76) Benzidine	12.60	184	1444	Below Cal		# 65

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091918.D

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ClientSampleId :

PB95563BL

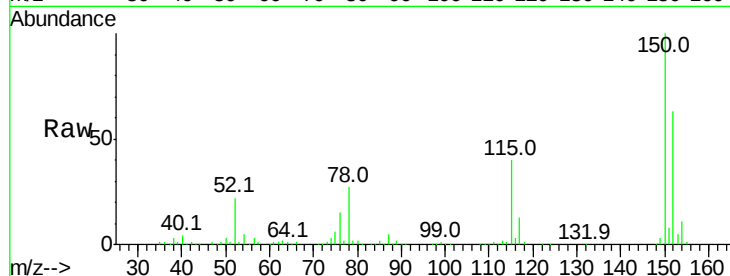
Tot Ion:152 Resp: 217365

Ion Ratio Lower Upper

152 100

150 157.8 124.9 187.3

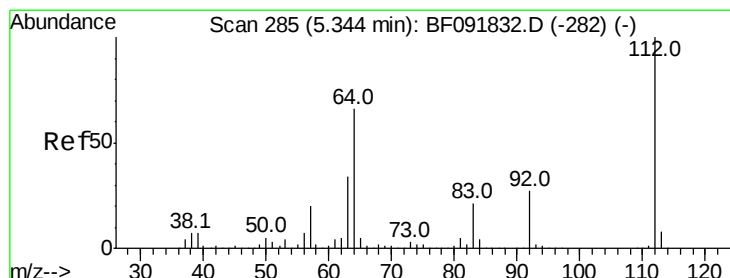
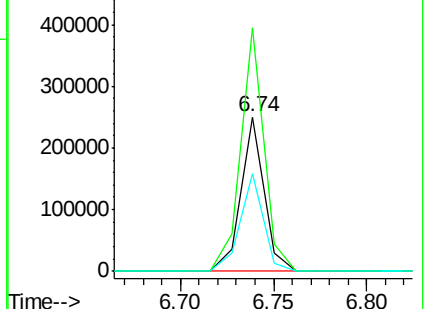
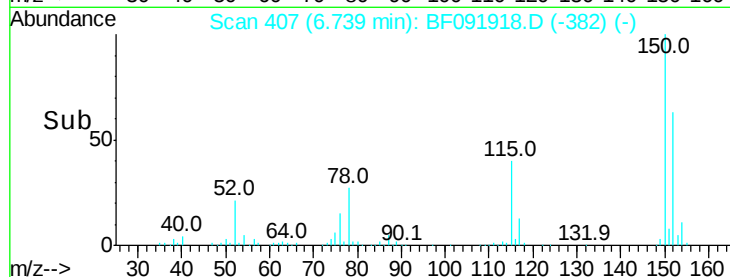
115 63.0 46.0 69.0



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: 117.22 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.05 min

Lab File: BF091918.D

Acq: 23 Dec 2016 12:31

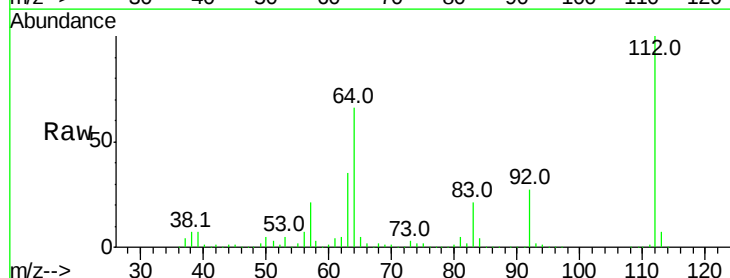
Tgt Ion:112 Resp: 1525937

Ion Ratio Lower Upper

112 100

64 66.5 46.1 69.1

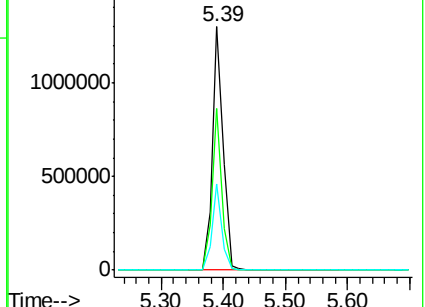
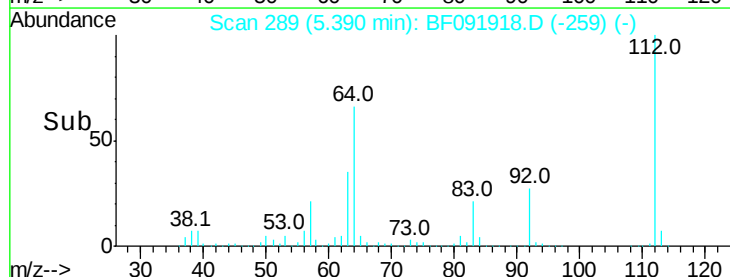
63 35.2 23.8 35.6

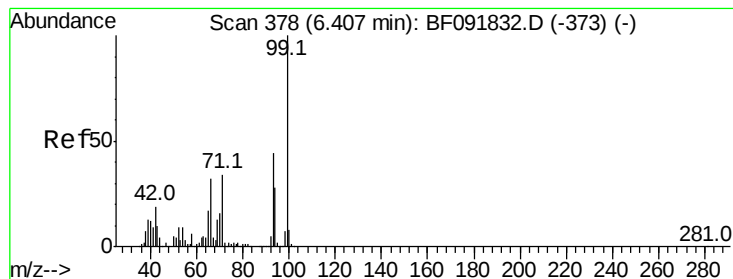


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 139.27 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.02 min

Lab File: BF091918.D

Acq: 23 Dec 2016 12:31

Instrument :

BNA_F

ClientSampleId :

PB95563BL

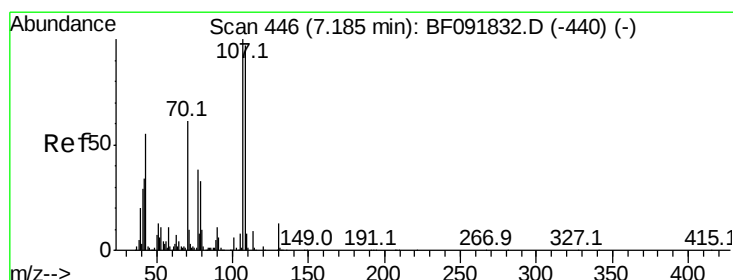
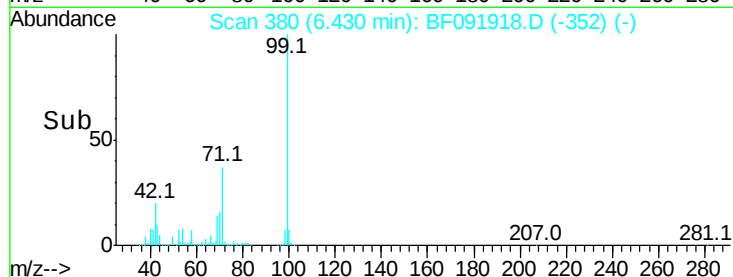
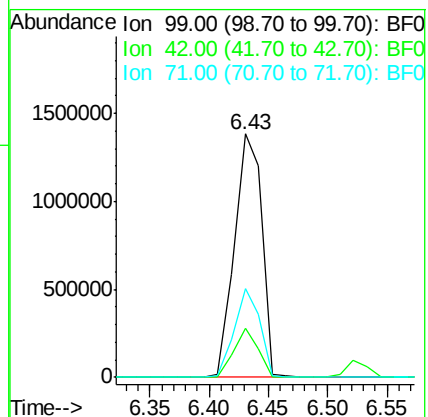
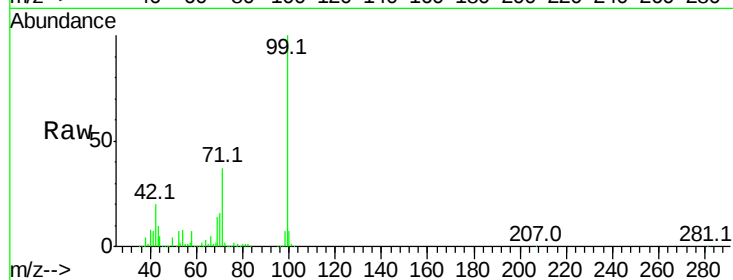
Tot Ion: 99 Resp: 2213442

Ion Ratio Lower Upper

99 100

42 20.0 15.6 23.4

71 36.7 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 18.30 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.13 min

Lab File: BF091918.D

Acq: 23 Dec 2016 12:31

Tgt Ion: 70 Resp: 193518

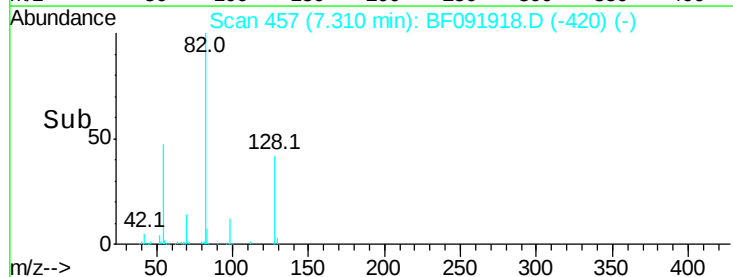
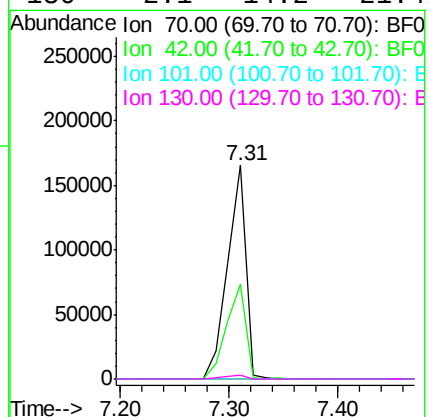
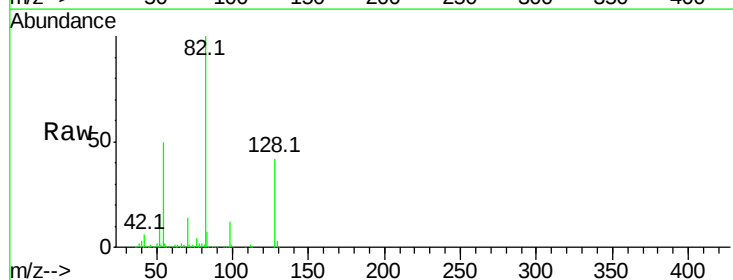
Ion Ratio Lower Upper

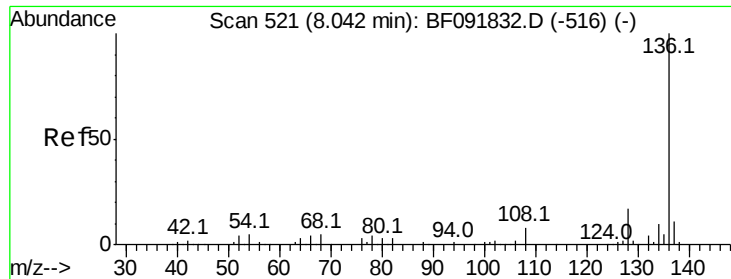
70 100

42 44.3 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

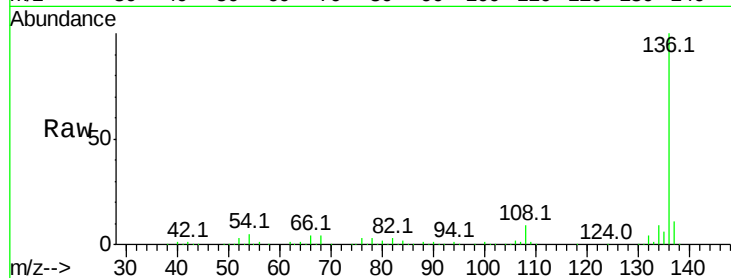




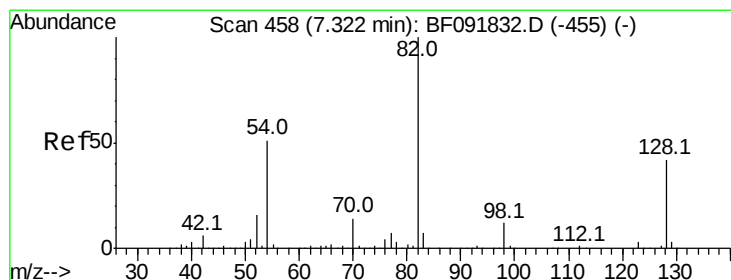
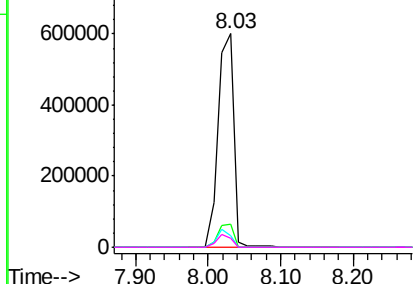
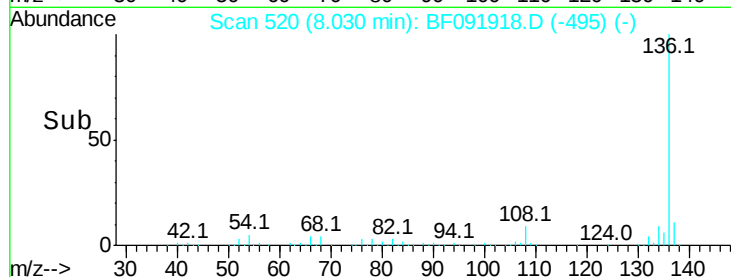
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091918.D
Acq: 23 Dec 2016 12:31

Instrument :
BNA_F
ClientSampleId :
PB95563BL

Tot Ion:	136	Resp:	900589
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	5.2	4.5	6.7
68	4.4	3.6	5.4

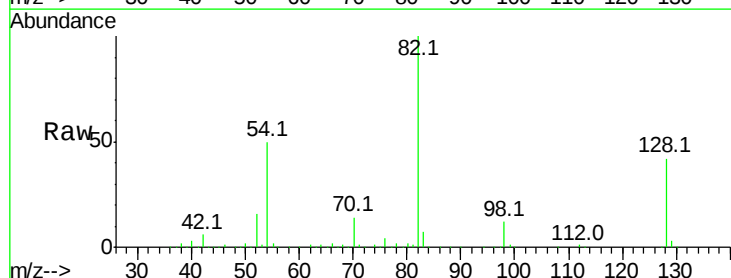


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

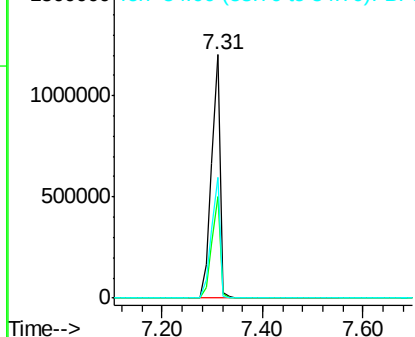
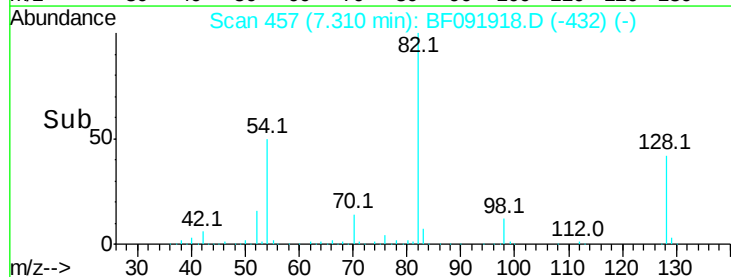


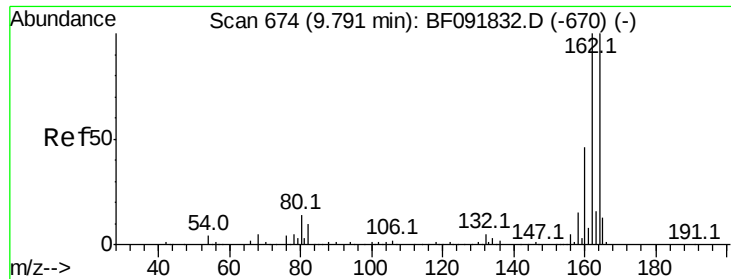
#23
Nitrobenzene-d5
Concen: 88.53 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091918.D
Acq: 23 Dec 2016 12:31

Tgt Ion:	82	Resp:	1433815
Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.6	52.0
54	49.6	39.5	59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

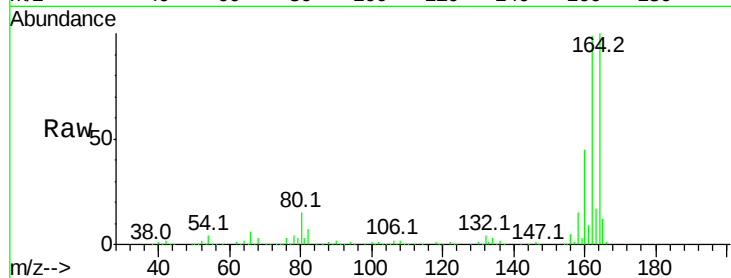




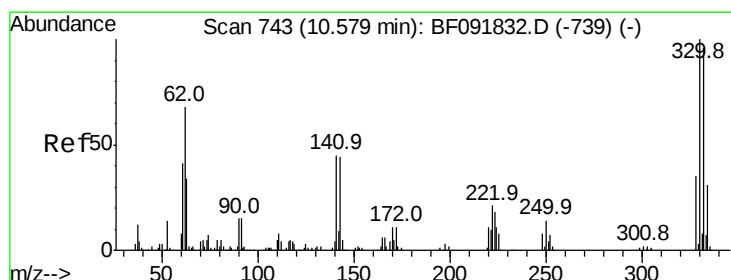
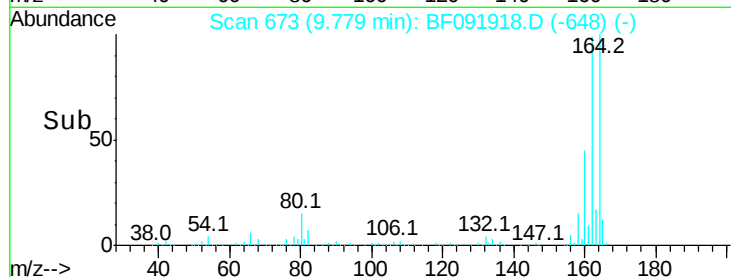
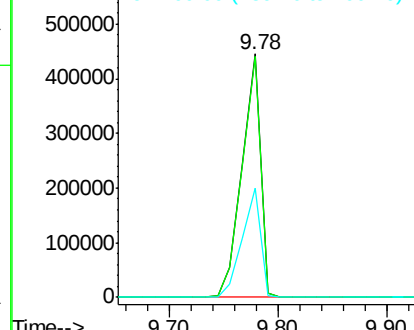
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF091918.D
Acq: 23 Dec 2016 12:31

Instrument :
BNA_F
ClientSampleId :
PB95563BL

Tot Ion:164 Resp: 518660
Ion Ratio Lower Upper
164 100
162 99.1 80.2 120.2
160 45.1 36.9 55.3

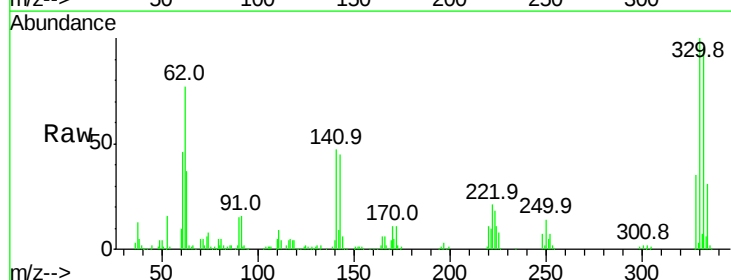


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

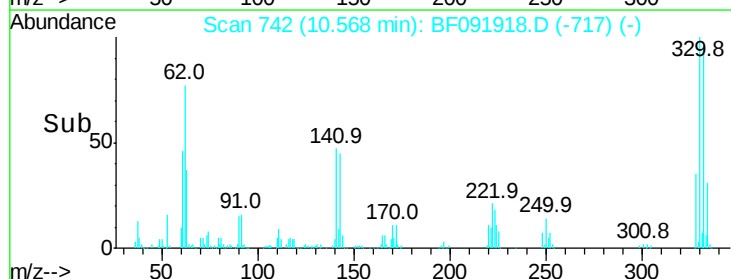
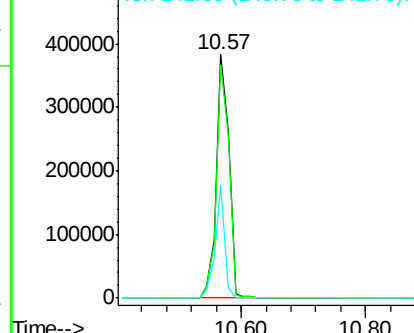


#41
2,4,6-Tribromophenol
Concen: 123.70 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF091918.D
Acq: 23 Dec 2016 12:31

Tgt Ion:330 Resp: 530947
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.2
141 35.8 34.1 51.1



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

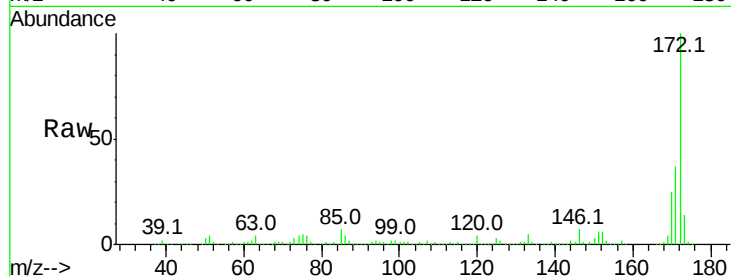




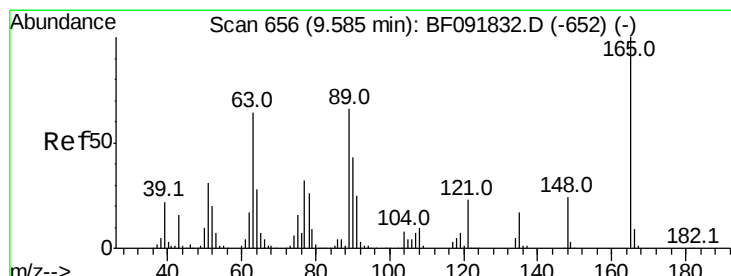
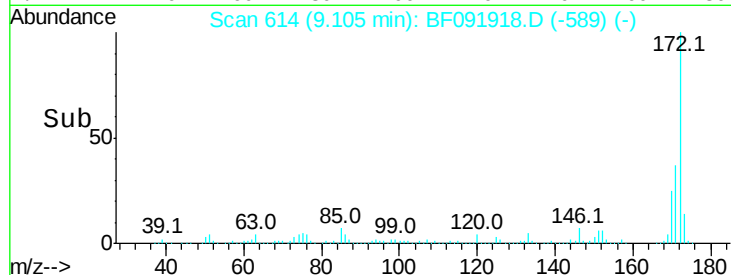
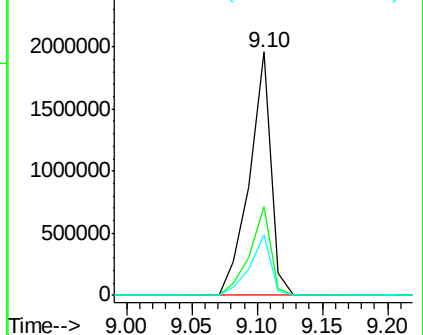
#44
2-Fluorobiphenyl
Concen: 90.04 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.01 min
Lab File: BF091918.D
Acq: 23 Dec 2016 12:31

Instrument :
BNA_F
ClientSampleId :
PB95563BL

Tot Ion:172 Resp: 2259905
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.0
170 24.8 20.2 30.4

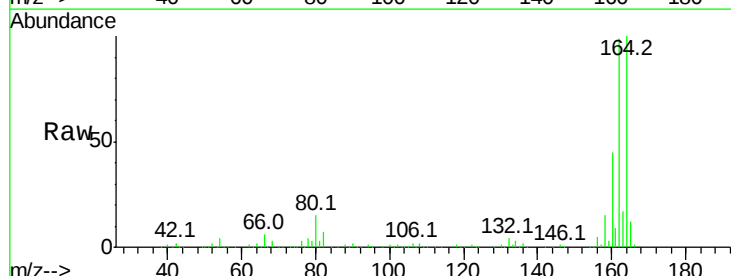


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

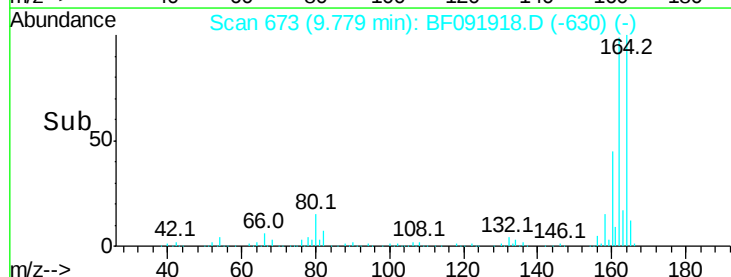
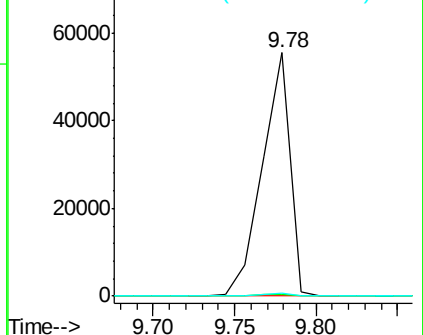


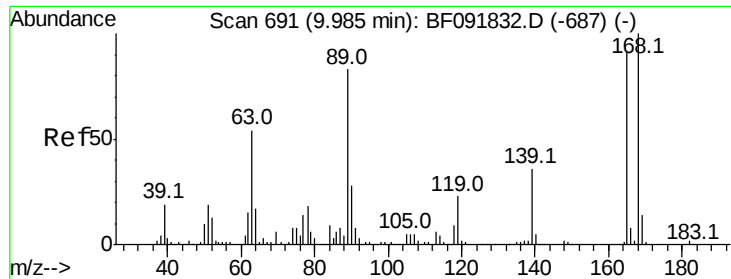
#50
2,6-Dinitrotoluene
Concen: 9.07 ng
RT: 9.78 min Scan# 673
Delta R.T. 0.19 min
Lab File: BF091918.D
Acq: 23 Dec 2016 12:31

Tgt Ion:165 Resp: 65868
Ion Ratio Lower Upper
165 100
63 0.9 36.2 54.4#
89 1.1 40.2 60.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

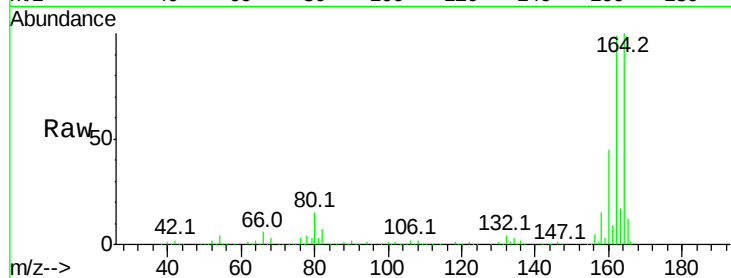




#56
 2,4-Dinitrotoluene
 Concen: 7.23 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.21 min
 Lab File: BF091918.D
 Acq: 23 Dec 2016 12:31

Instrument :
 BNA_F
 ClientSampleId :
 PB95563BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.2	60.4#
89	1.1	62.5	93.7#
182	0.0	1.8	2.8#

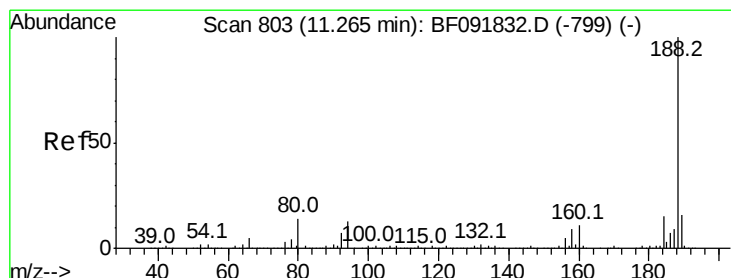
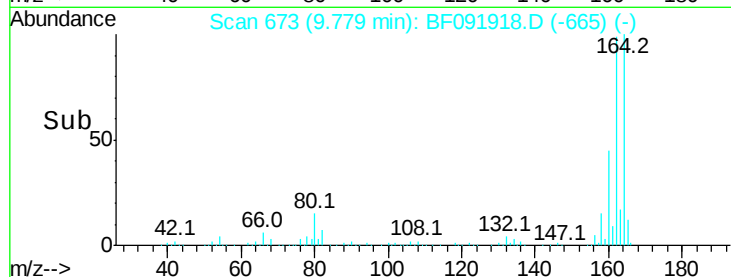
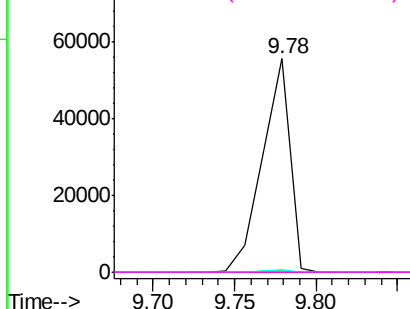


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

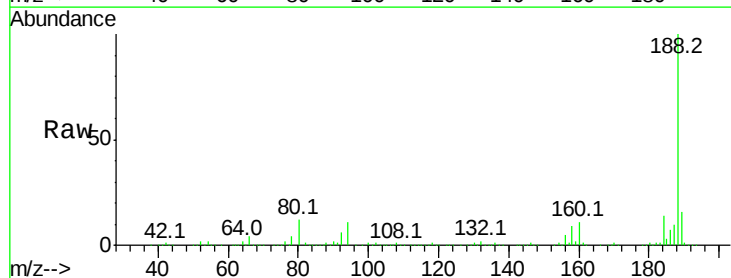
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF091918.D
 Acq: 23 Dec 2016 12:31

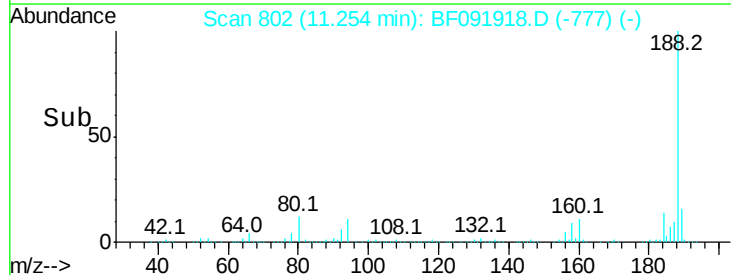
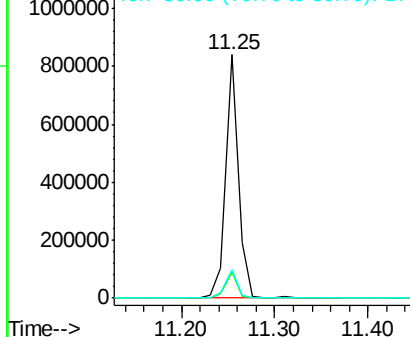
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	10.0	15.0
80	11.9	11.2	16.8

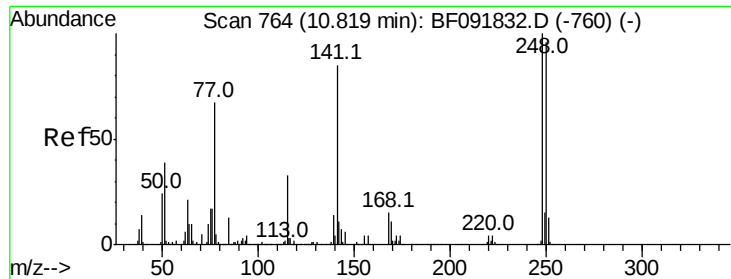


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

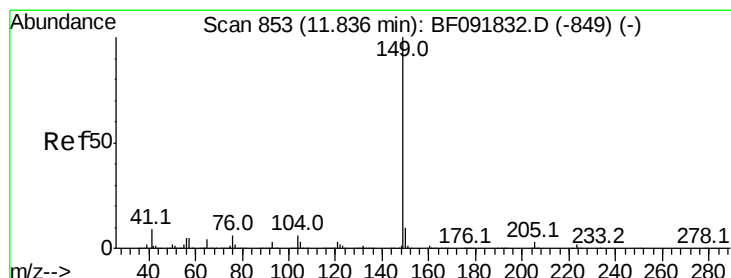
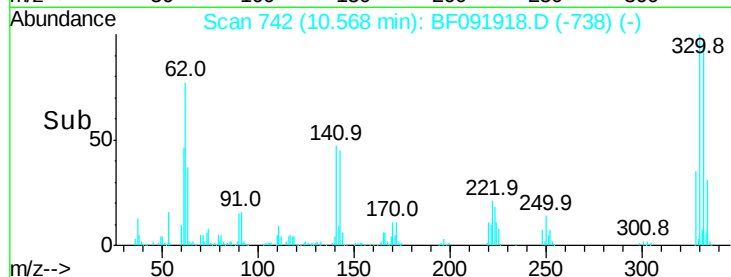
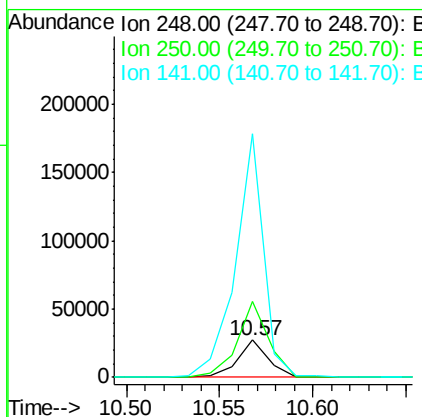
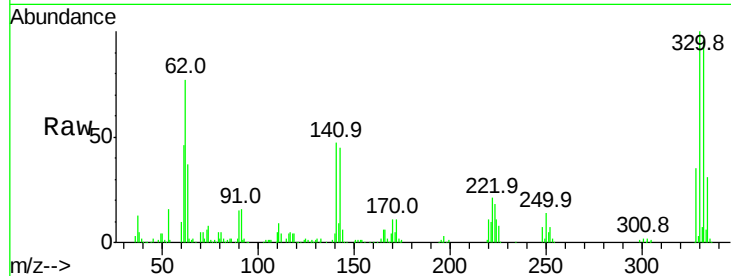




#66
 4-Bromophenyl-phenylether
 Concen: 3.80 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.25 min
 Lab File: BF091918.D
 Acq: 23 Dec 2016 12:31

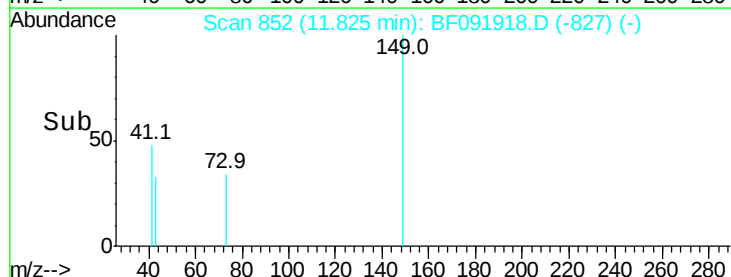
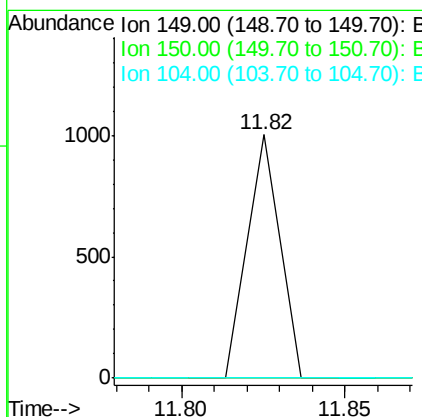
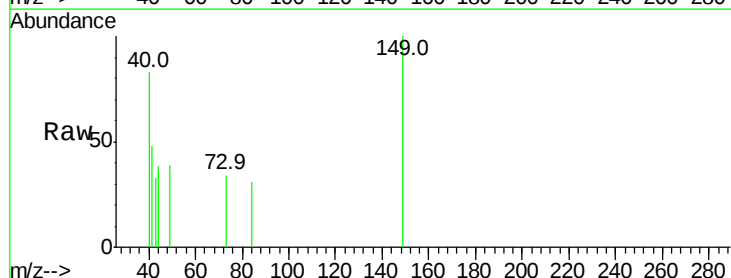
Instrument :
 BNA_F
 ClientSampleID :
 PB95563BL

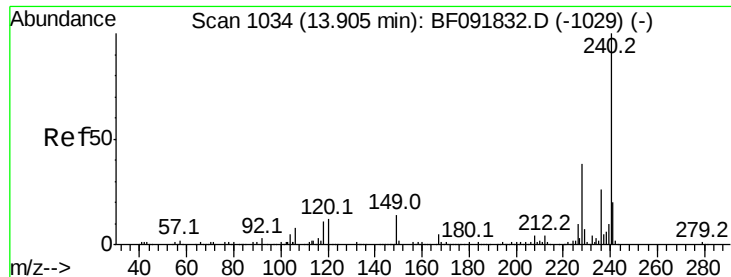
Tot Ion:248 Resp: 31558
 Ion Ratio Lower Upper
 248 100
 250 201.6 76.9 115.3#
 141 650.9 68.2 102.4#



#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 11.82 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BF091918.D
 Acq: 23 Dec 2016 12:31

Tgt Ion:149 Resp: 688
 Ion Ratio Lower Upper
 149 100
 150 0.0 8.1 12.1#
 104 0.0 4.6 7.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091918.D

Acq: 23 Dec 2016 12:31

Instrument :

BNA_F

ClientSampleId :

PB95563BL

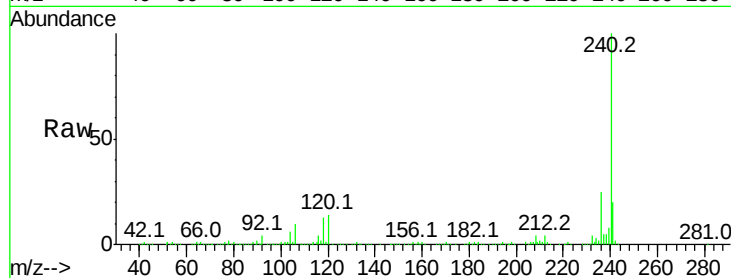
Tot Ion:240 Resp: 635766

Ion Ratio Lower Upper

240 100

120 14.2 12.9 19.3

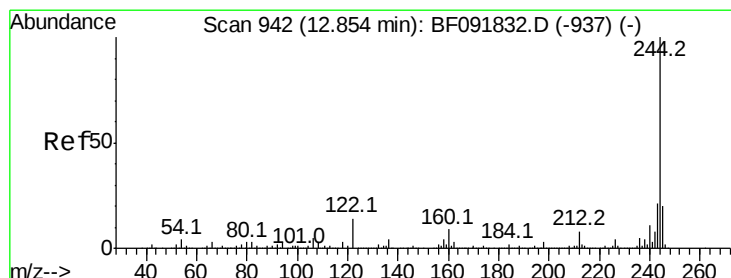
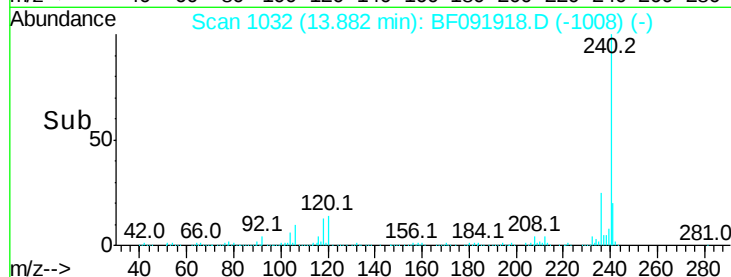
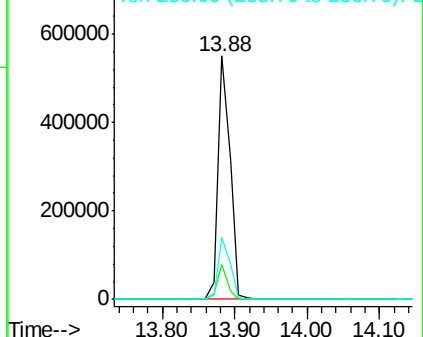
236 25.5 20.9 31.3



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: 81.62 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091918.D

Acq: 23 Dec 2016 12:31

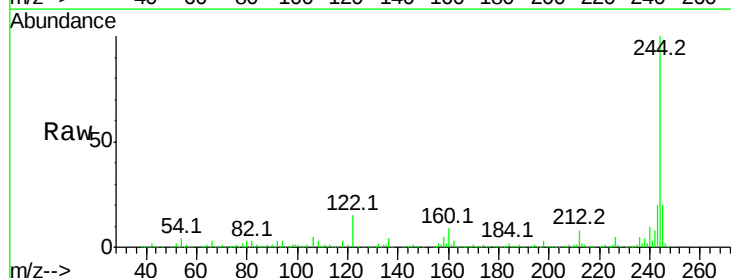
Tgt Ion:244 Resp: 2139626

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

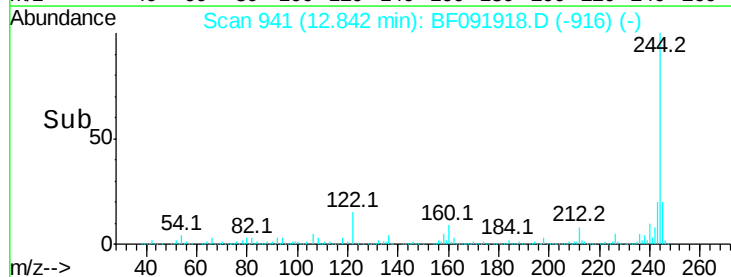
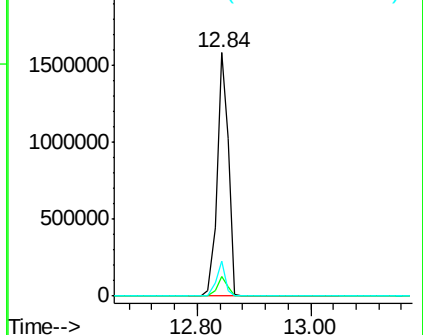
122 14.6 11.4 17.2

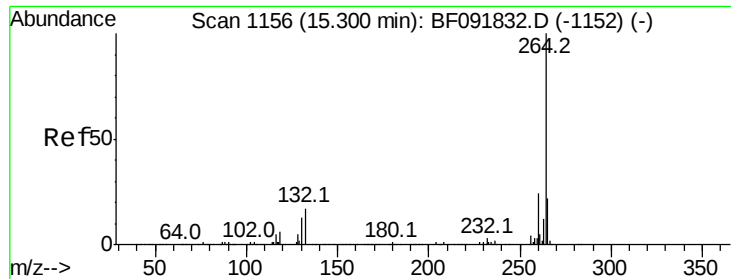


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF091918.D
Acq: 23 Dec 2016 12:31

Instrument :
BNA_F
ClientSampleId :
PB95563BL

Tot Ion:264 Resp: 526278
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.9 17.4 26.0

