

Data Path : Z:\HPCHEM1\BNA F\Data\BF113016\
 Data File : BF091342.D
 Acq On : 30 Nov 2016 9:36
 Operator : UM/SJ
 Sample : PB94947TB
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 30 16:23:38 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

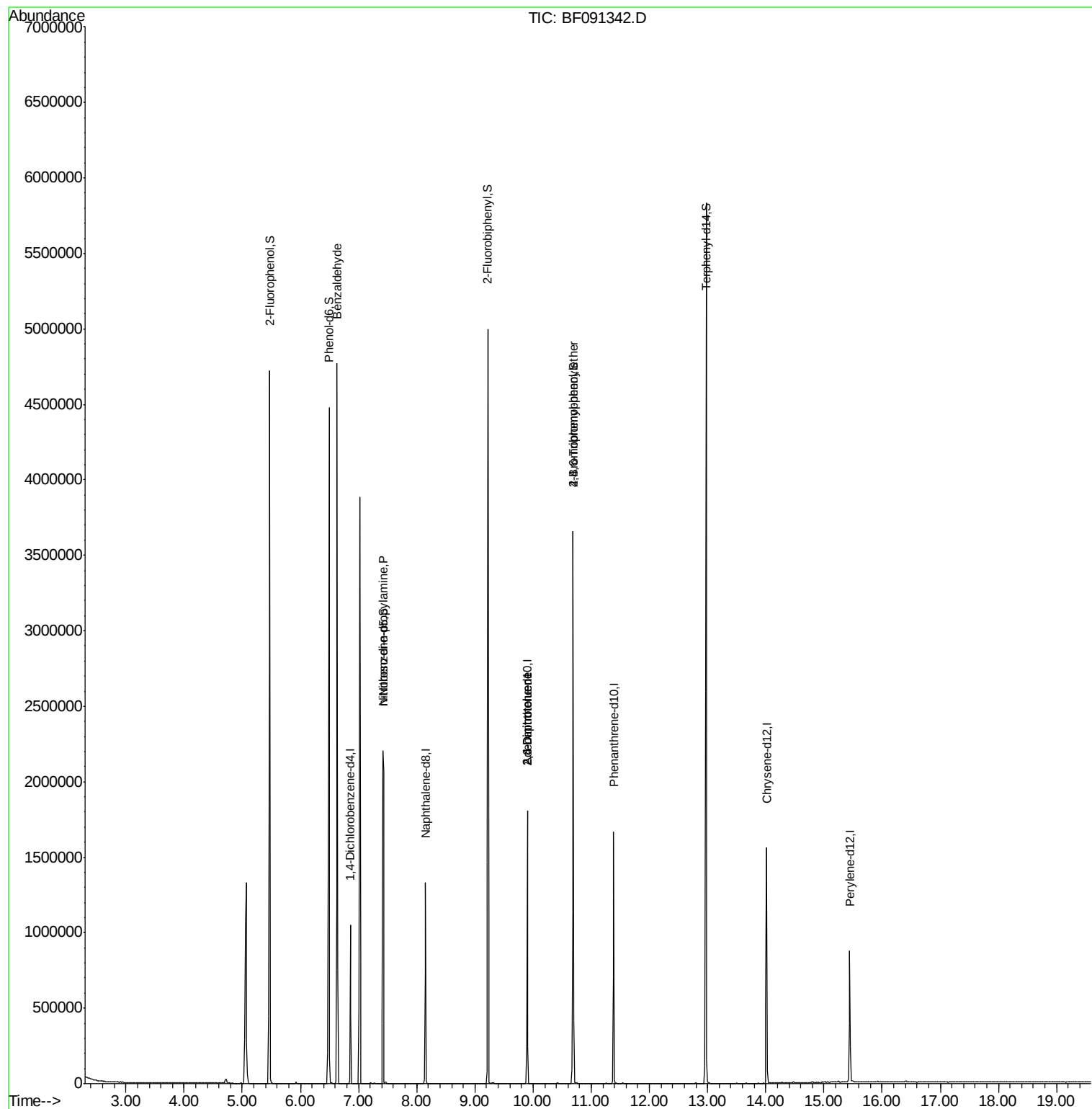
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	166544	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	698836	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	388400	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	693058	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	585186	20.00	ng	-0.03
86) Perylene-d12	15.44	264	417898	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1389423	136.29	ng	0.00
7) Phenol-d6	6.49	99	1491466	118.85	ng	0.00
23) Nitrobenzene-d5	7.42	82	1033549	82.88	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	431930	117.47	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1759745	82.04	ng	-0.02
78) Terphenyl-d14	12.97	244	1994523	74.08	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.63	77	31625	3.92	ng	Qvalue 84
19) n-Nitroso-di-n-propylamine	7.42	70	139718	17.67	ng	# 76
50) 2,6-Dinitrotoluene	9.90	165	50781	9.66	ng	# 16
56) 2,4-Dinitrotoluene	9.90	165	50784	7.45	ng	# 33
66) 4-Bromophenyl-phenylether	10.69	248	27536	3.70	ng	# 1

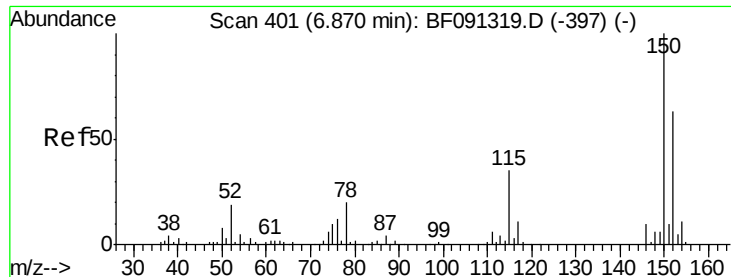
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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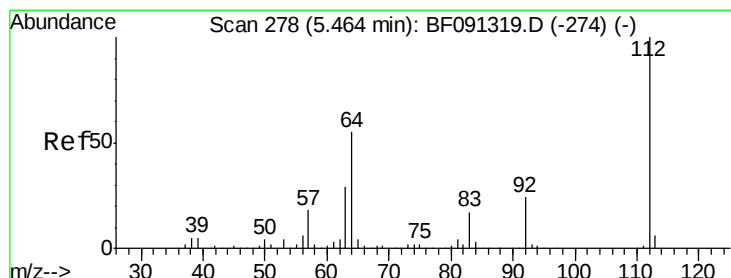
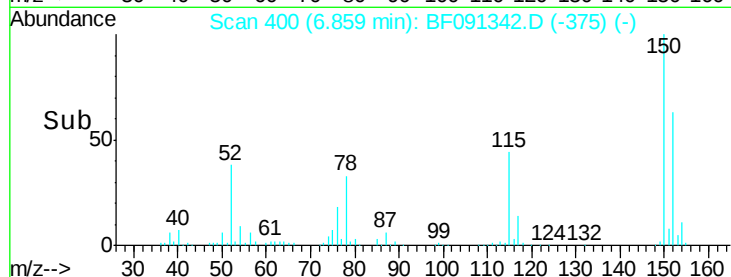
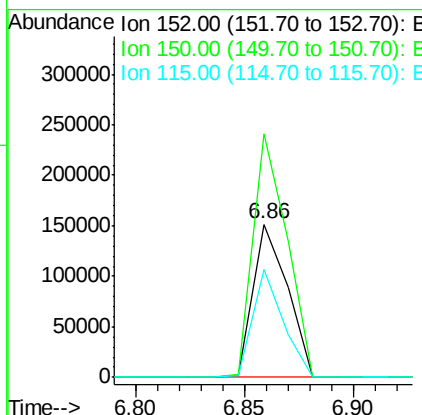
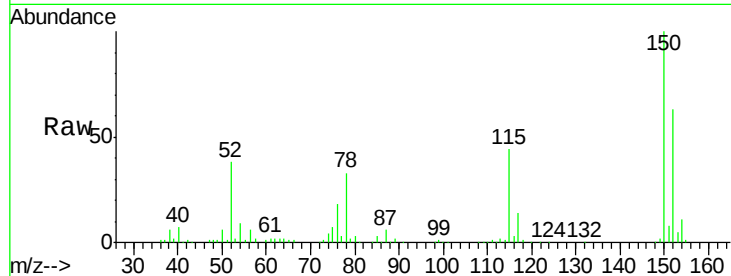




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 400
 Delta R.T. -0.02 min
 Lab File: BF091342.D
 Acq: 30 Nov 2016 9:36

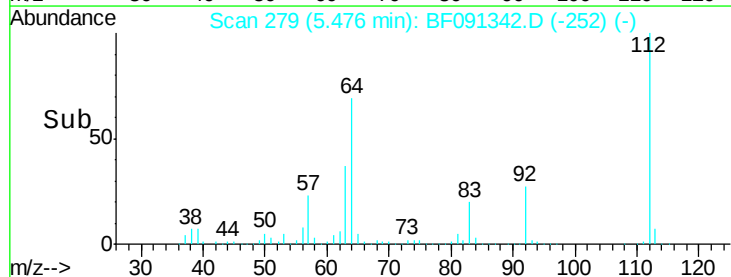
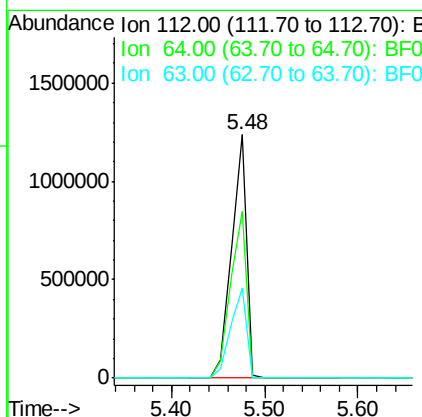
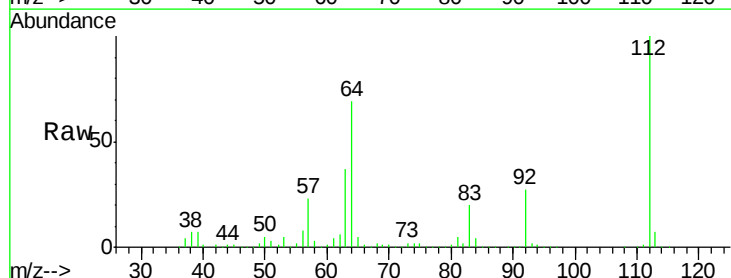
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 166544
 Ion Ratio Lower Upper
 152 100
 150 158.9 122.5 183.7
 115 70.5 51.8 77.8



#5
 2-Fluorophenol
 Concen: 136.29 ng
 RT: 5.48 min Scan# 279
 Delta R.T. 0.01 min
 Lab File: BF091342.D
 Acq: 30 Nov 2016 9:36

Tgt Ion:112 Resp: 1389423
 Ion Ratio Lower Upper
 112 100
 64 68.7 61.5 92.3
 63 37.0 33.3 49.9





#7

Phenol-d6

Concen: 118.85 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091342.D

Acq: 30 Nov 2016 9:36

Instrument :

BNA_F

ClientSampled :

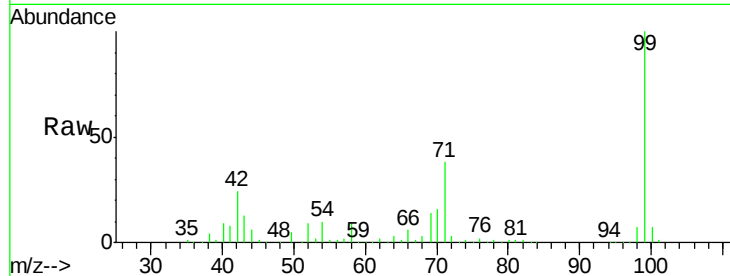
Tot Ion: 99 Resp: 1491466

Ion Ratio Lower Upper

99 100

42 24.3 20.6 31.0

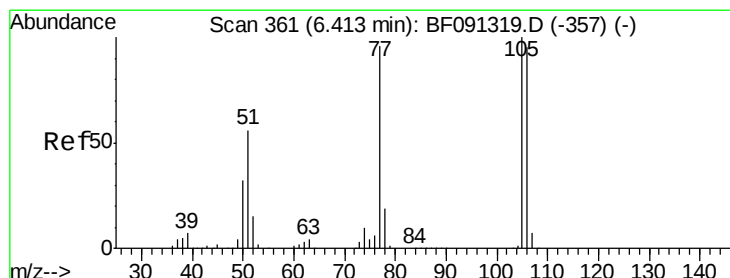
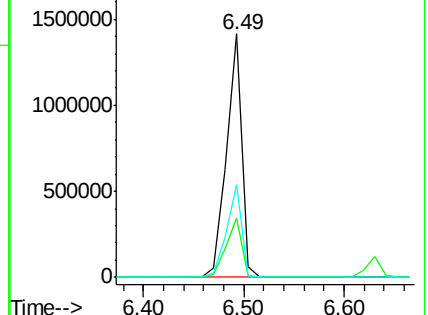
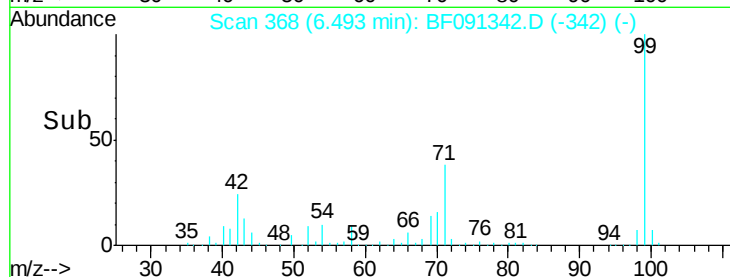
71 37.8 29.9 44.9



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.92 ng

RT: 6.63 min Scan# 380

Delta R.T. 0.21 min

Lab File: BF091342.D

Acq: 30 Nov 2016 9:36

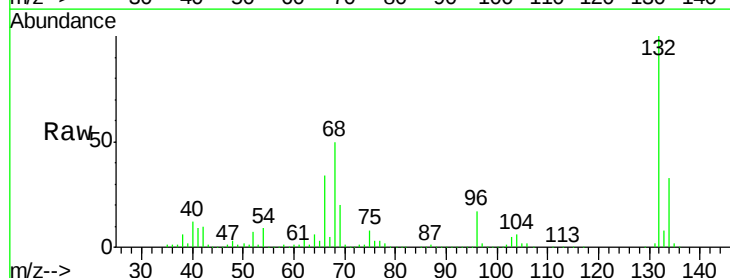
Tgt Ion: 77 Resp: 31625

Ion Ratio Lower Upper

77 100

105 73.5 66.4 106.4

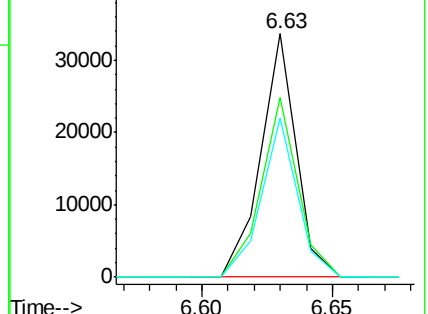
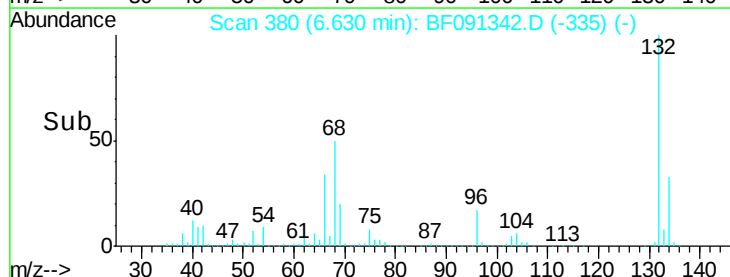
106 65.5 60.9 100.9

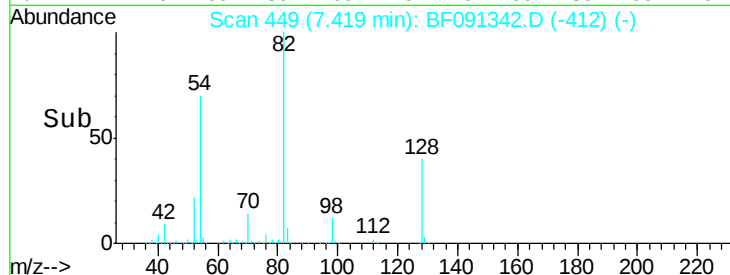
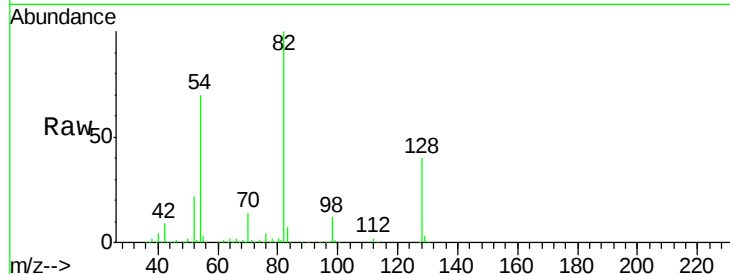
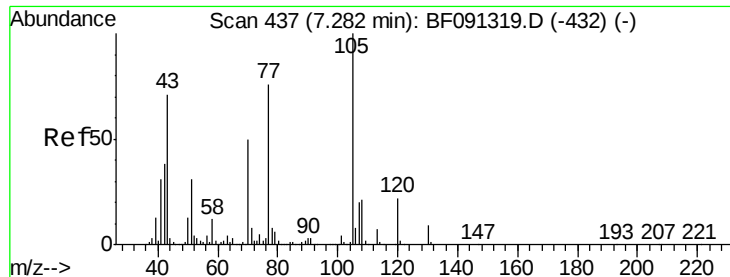


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

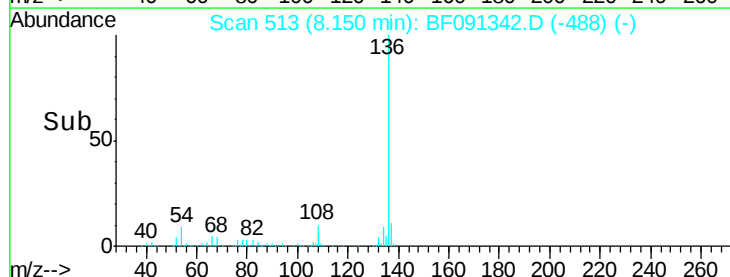
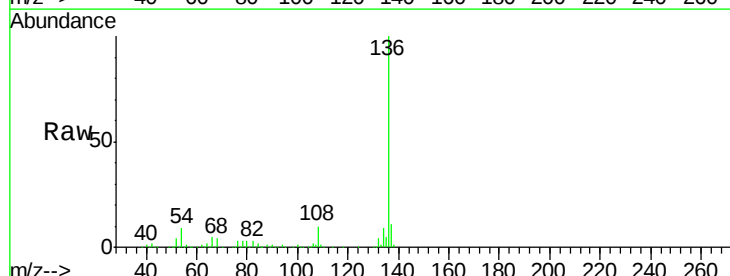
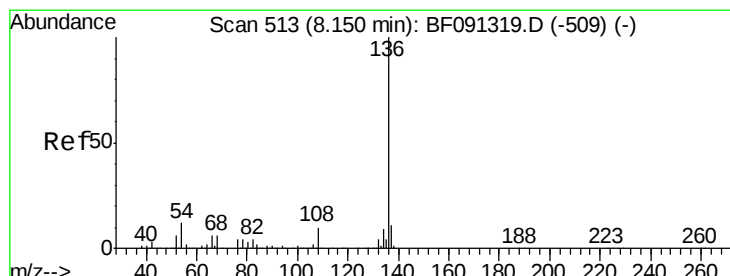
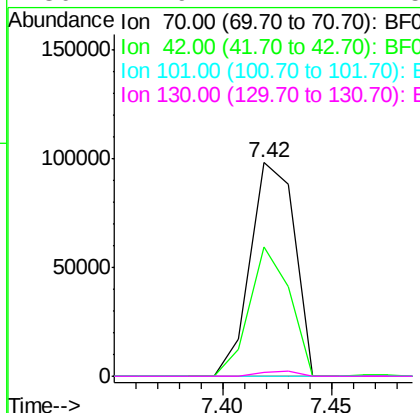




#19
n-Nitroso-di-n-propylamine
Concen: 17.67 ng
RT: 7.42 min Scan# 449
Delta R.T. 0.12 min
Lab File: BF091342.D
Acq: 30 Nov 2016 9:36

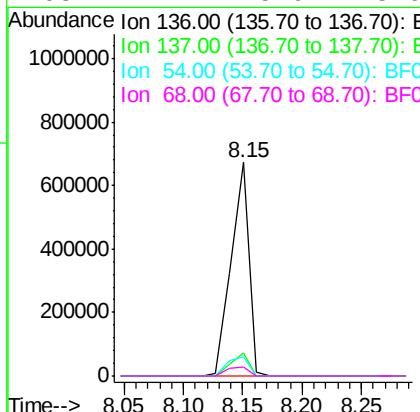
Instrument :
BNA_F
ClientSampleId :

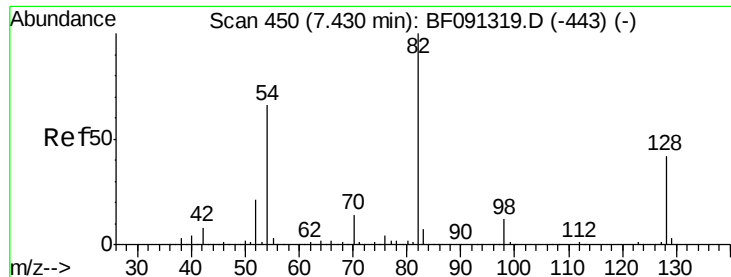
Tot Ion: 70 Resp: 139718
Ion Ratio Lower Upper
70 100
42 60.5 64.8 97.2#
101 0.0 6.2 9.4#
130 1.9 11.7 17.5#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF091342.D
Acq: 30 Nov 2016 9:36

Tgt Ion: 136 Resp: 698836
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 9.1 9.1 13.7
68 4.4 5.9 8.9#

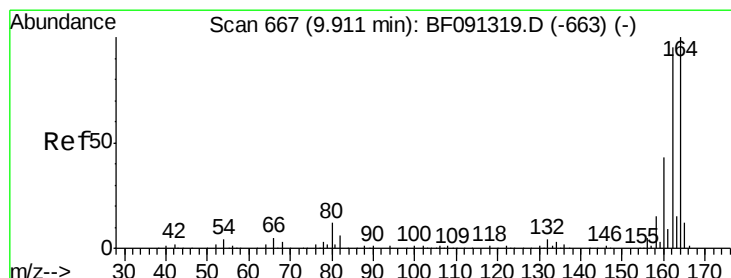
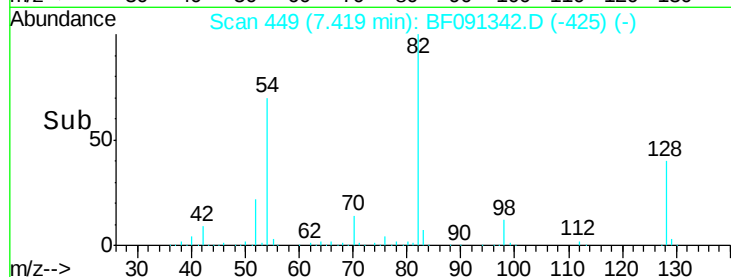
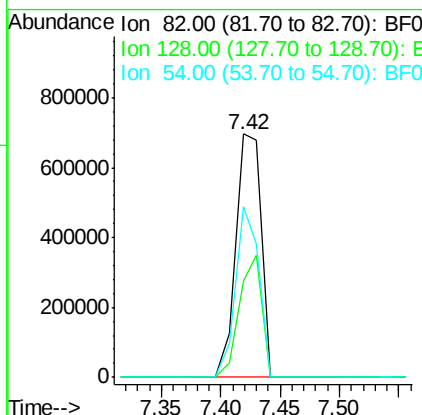
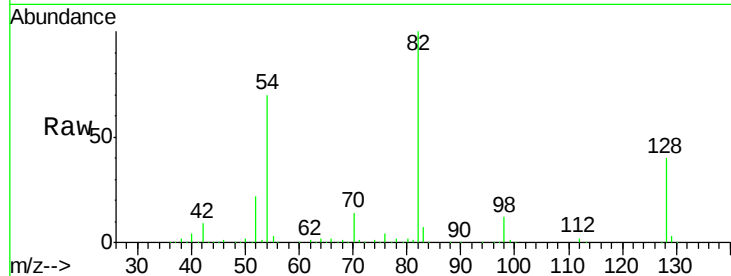




#23
 Nitrobenzene-d5
 Concen: 82.88 ng
 RT: 7.42 min Scan# 449
 Delta R.T. -0.03 min
 Lab File: BF091342.D
 Acq: 30 Nov 2016 9:36

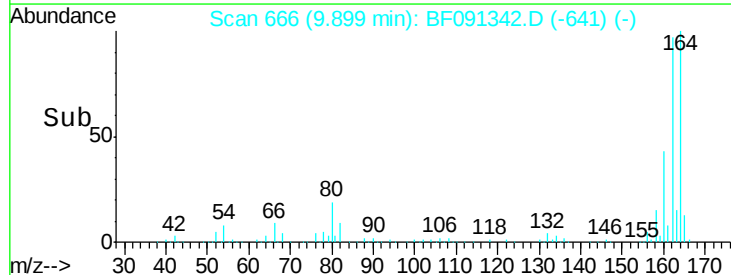
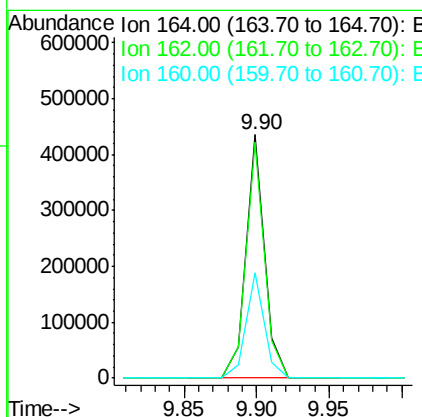
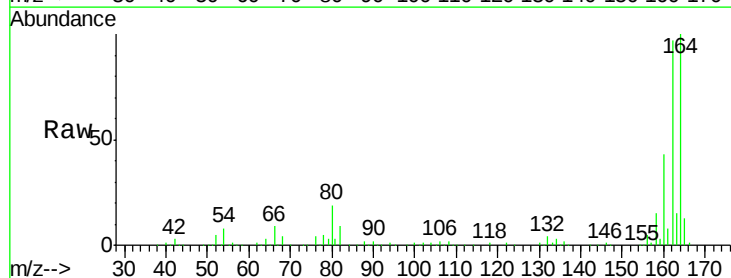
Instrument :
 BNA_F
 ClientSampled :

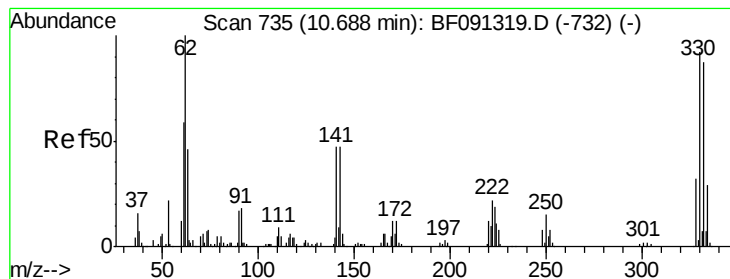
Tot Ion: 82 Resp: 1033549
 Ion Ratio Lower Upper
 82 100
 128 39.7 31.8 47.6
 54 70.3 49.1 73.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: BF091342.D
 Acq: 30 Nov 2016 9:36

Tgt Ion: 164 Resp: 388400
 Ion Ratio Lower Upper
 164 100
 162 96.7 82.6 124.0
 160 43.3 36.7 55.1





#41

2,4,6-Tribromophenol

Concen: 117.47 ng

RT: 10.69 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF091342.D

Acq: 30 Nov 2016 9:36

Instrument :

BNA_F

ClientSampleId :

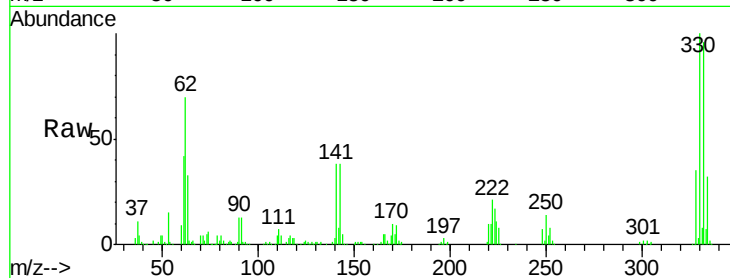
Tot Ion:330 Resp: 431930

Ion Ratio Lower Upper

330 100

332 96.4 76.2 114.4

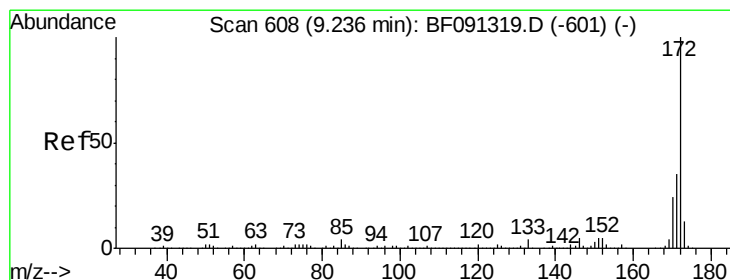
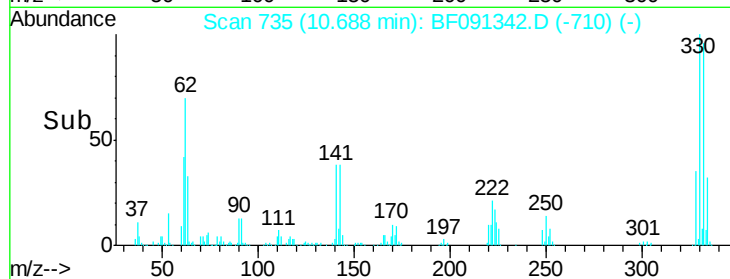
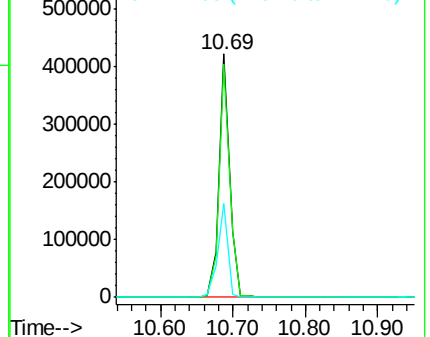
141 36.1 33.6 50.4



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: 82.04 ng

RT: 9.22 min Scan# 607

Delta R.T. -0.02 min

Lab File: BF091342.D

Acq: 30 Nov 2016 9:36

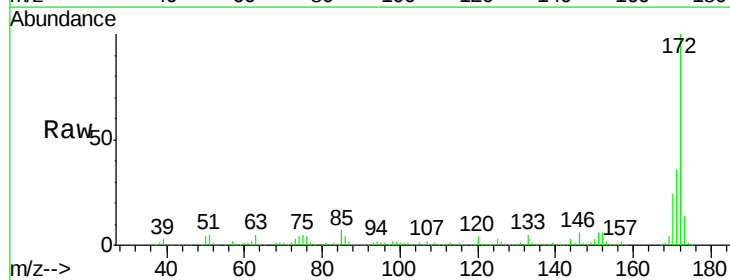
Tgt Ion:172 Resp: 1759745

Ion Ratio Lower Upper

172 100

171 35.6 29.4 44.0

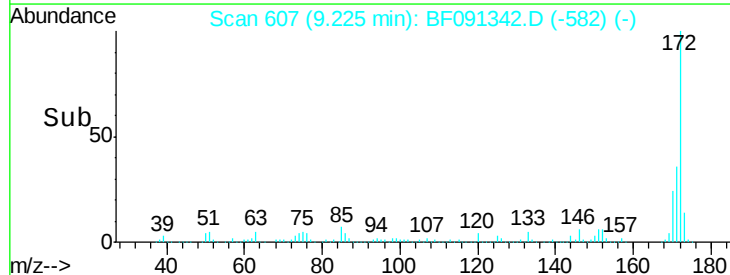
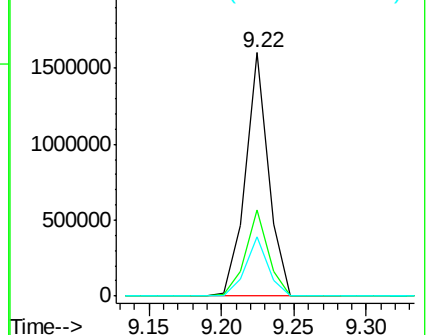
170 24.3 19.7 29.5

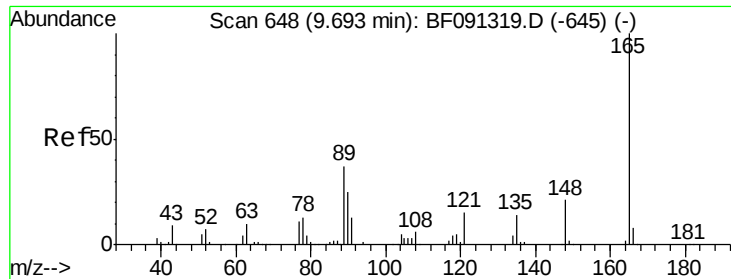


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

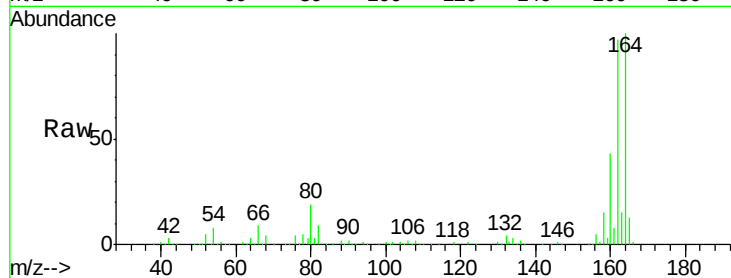




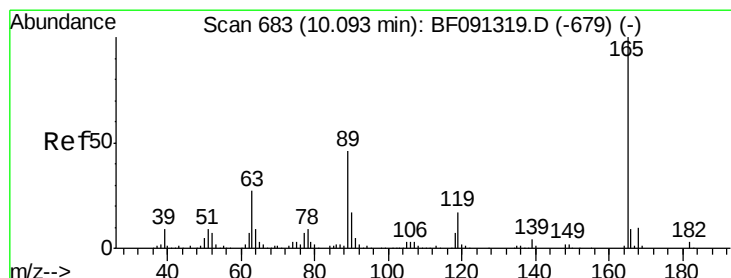
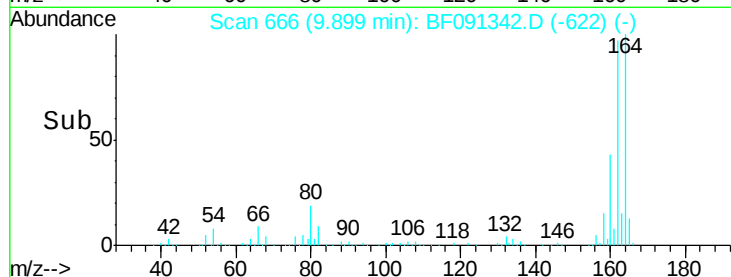
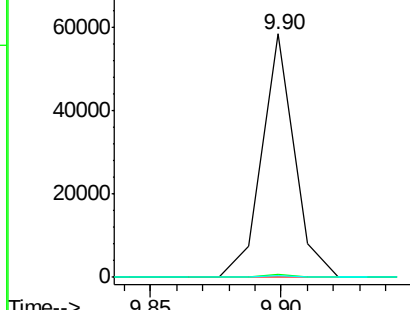
#50
 2,6-Dinitrotoluene
 Concen: 9.66 ng
 RT: 9.90 min Scan# 666
 Delta R.T. 0.20 min
 Lab File: BF091342.D
 Acq: 30 Nov 2016 9:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	59.4	89.0#
89	0.7	50.8	76.2#



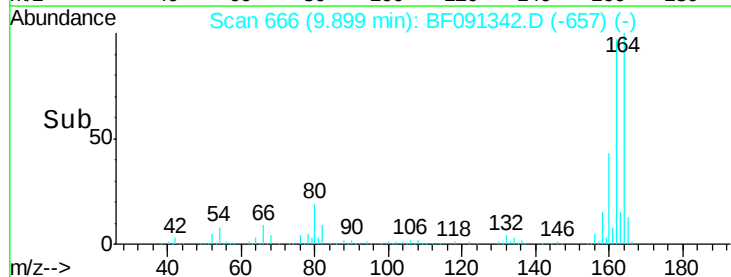
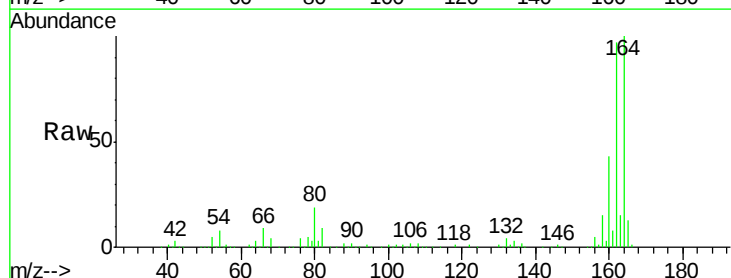
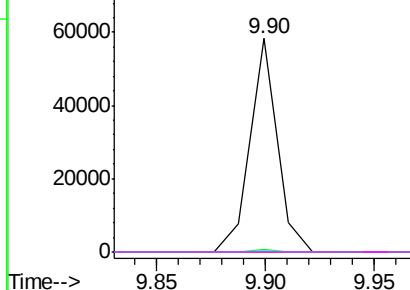
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

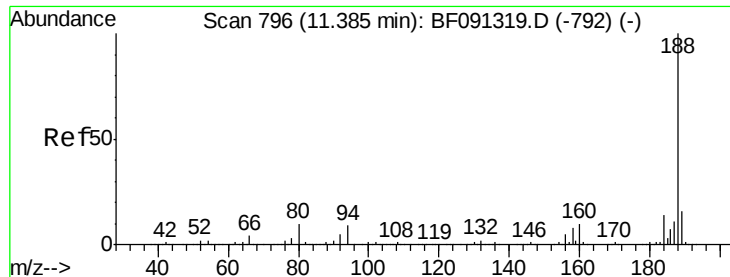


#56
 2,4-Dinitrotoluene
 Concen: 7.45 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.20 min
 Lab File: BF091342.D
 Acq: 30 Nov 2016 9:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	29.0	43.4#
89	0.7	43.1	64.7#
182	0.0	1.9	2.9#

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

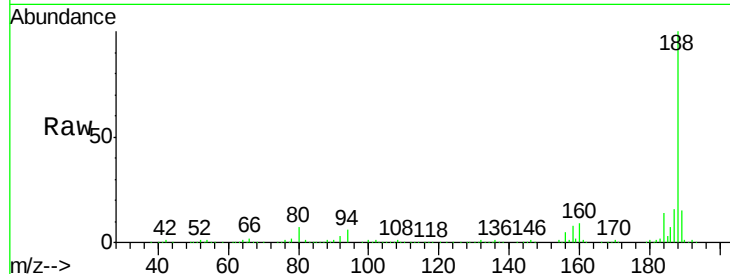




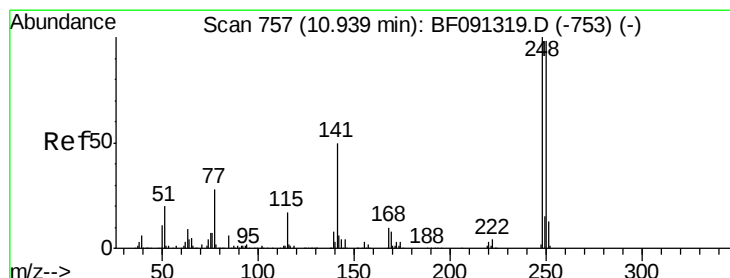
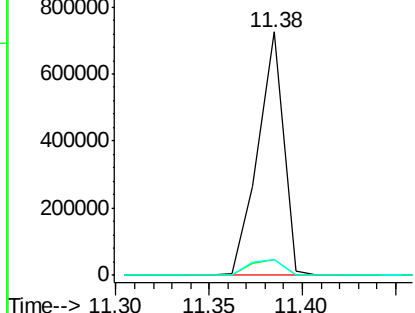
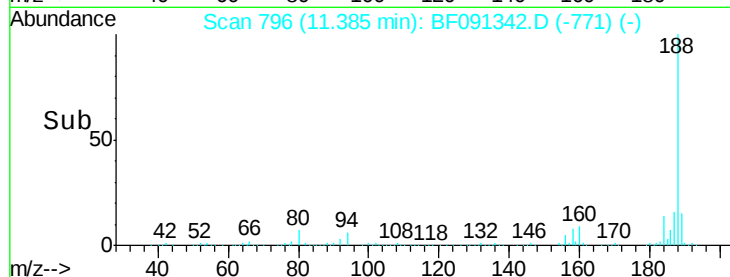
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF091342.D
 Acq: 30 Nov 2016 9:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 693058
 Ion Ratio Lower Upper
 188 100
 94 6.4 9.2 13.8#
 80 6.6 10.5 15.7#

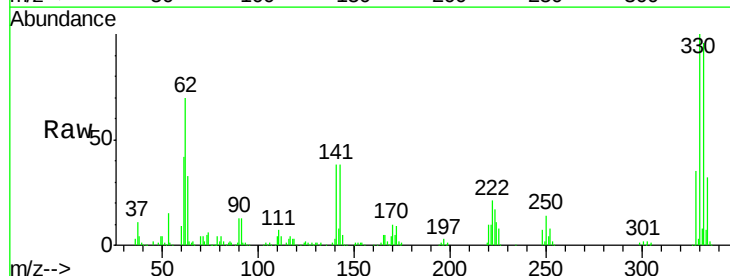


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

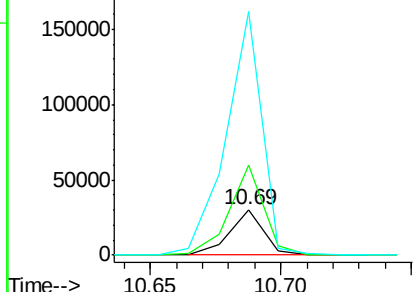
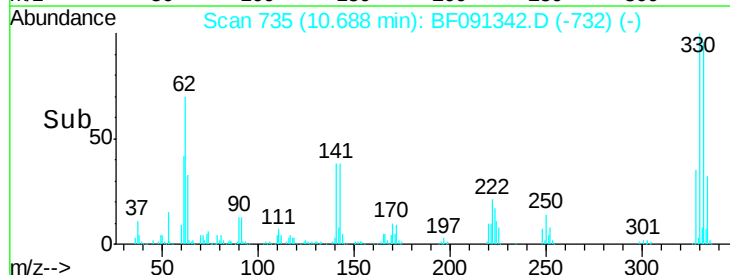


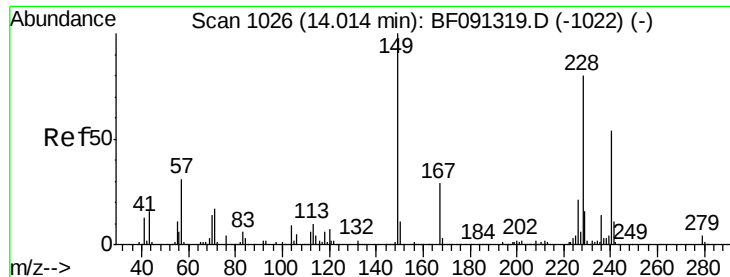
#66
 4-Bromophenyl-phenylether
 Concen: 3.70 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.27 min
 Lab File: BF091342.D
 Acq: 30 Nov 2016 9:36

Tgt Ion:248 Resp: 27536
 Ion Ratio Lower Upper
 248 100
 250 197.4 78.2 117.4#
 141 532.2 71.9 107.9#



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: 20.00 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF091342.D

Acq: 30 Nov 2016 9:36

Instrument :

BNA_F

ClientSampleId :

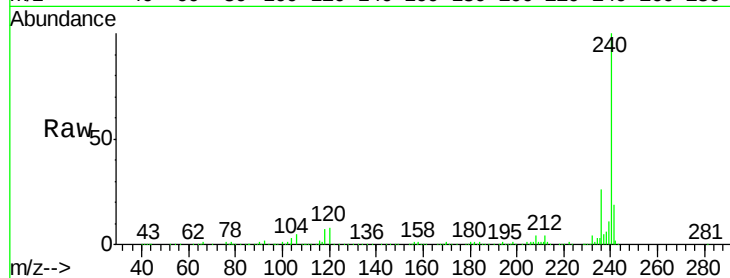
Tot Ion:240 Resp: 585186

Ion Ratio Lower Upper

240 100

120 8.0 12.1 18.1#

236 25.6 21.0 31.6



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

14.01

800000

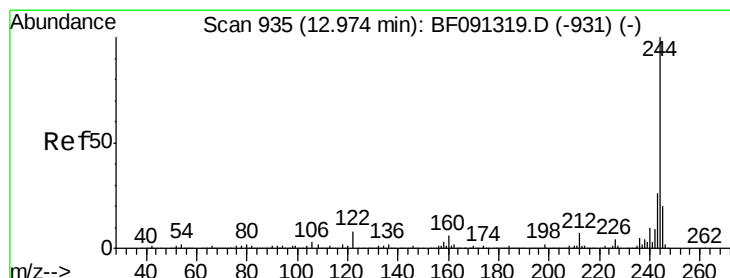
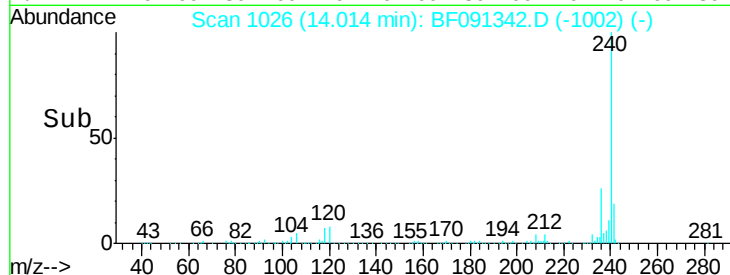
600000

400000

200000

0

Time--> 13.90 14.00 14.10 14.20



#78

Terphenyl-d14

Concen: 74.08 ng

RT: 12.97 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF091342.D

Acq: 30 Nov 2016 9:36

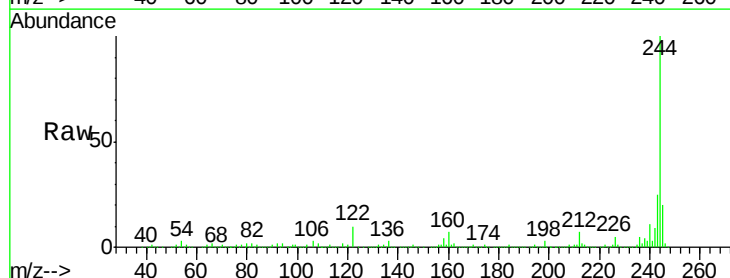
Tgt Ion:244 Resp: 1994523

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

122 10.3 9.5 14.3



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

12.97

2500000

2000000

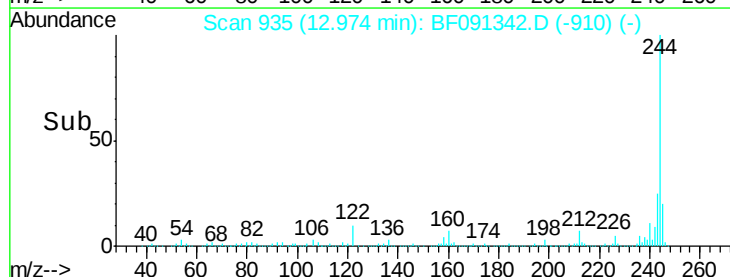
1500000

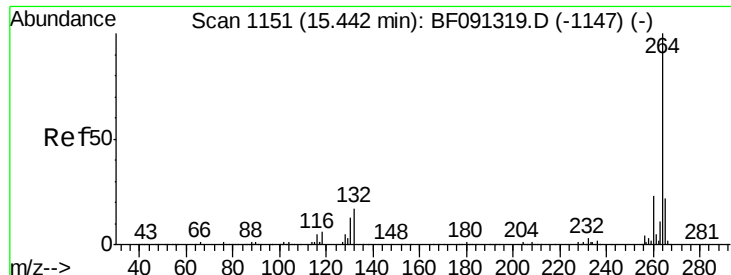
1000000

500000

0

Time--> 13.00 13.20

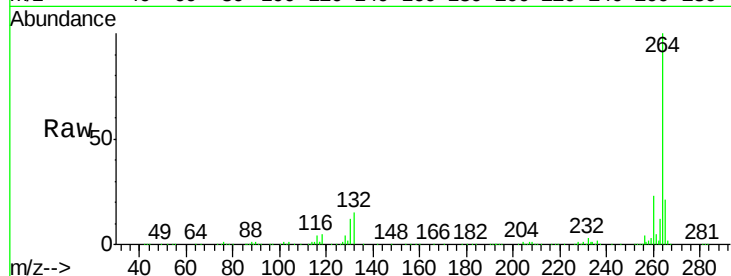




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF091342.D
Acq: 30 Nov 2016 9:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.8	28.2
265	21.1	17.0	25.6



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

