

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011116\
 Data File : BF084406.D
 Acq On : 12 Jan 2016 4:08
 Operator : SJ/UM
 Sample : H1067-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-01

Quant Time: Jan 12 04:51:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	363656	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1425508	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	652909	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	1077417	20.00	ng	-0.05
75) Chrysene-d12	14.01	240	688165	20.00	ng	-0.06
86) Perylene-d12	15.44	264	615647	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1225052	54.49	ng	-0.03
7) Phenol-d6	6.49	99	935780	33.14	ng	-0.05
23) Nitrobenzene-d5	7.42	82	2470852	96.47	ng	-0.05
41) 2,4,6-Tribromophenol	10.68	330	768270	116.55	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	3148882	84.83	ng	-0.04
78) Terphenyl-d14	12.97	244	2458032	79.73	ng	-0.05

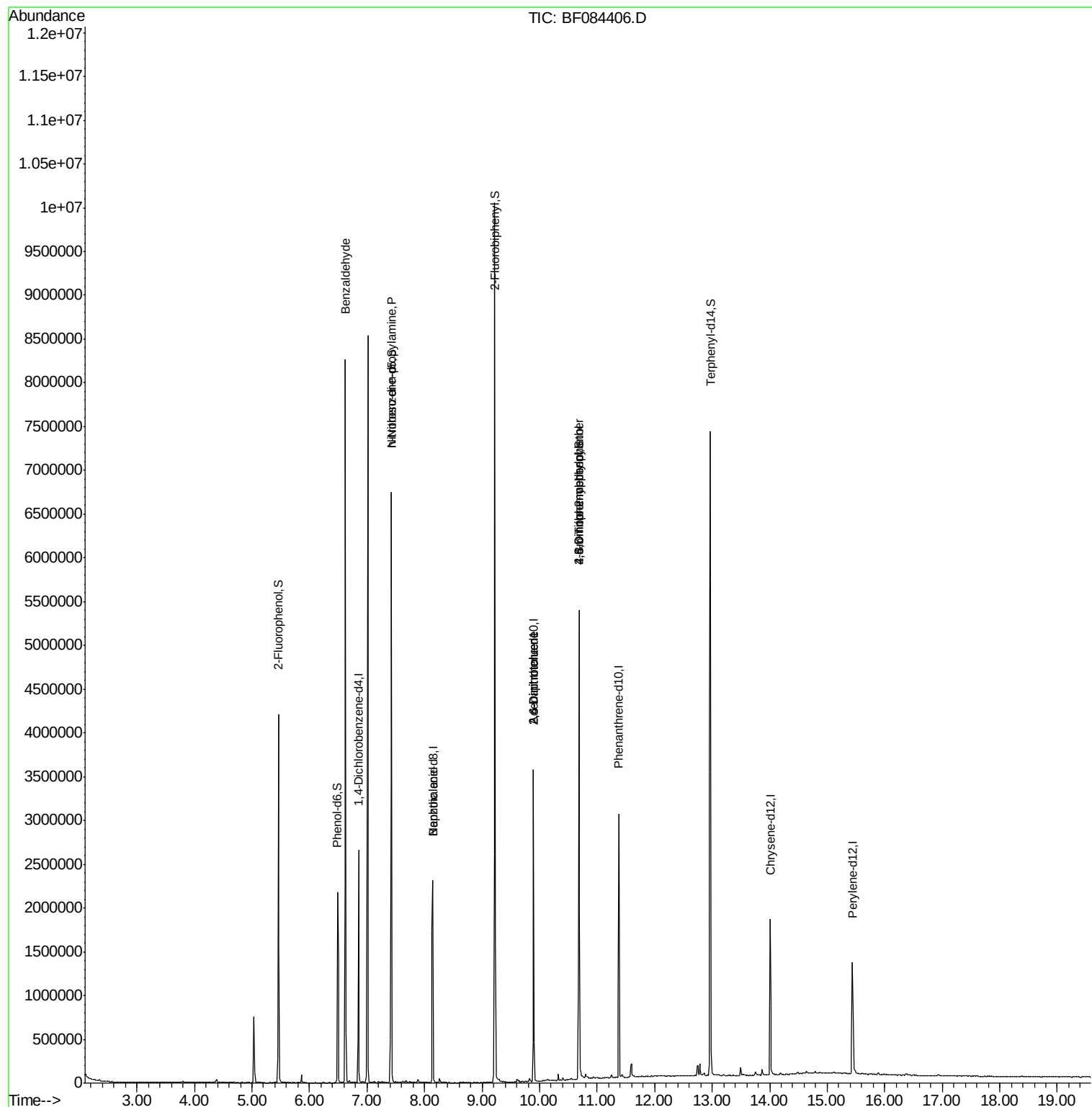
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.62	77	54172	2.95	ng	# 71
19) n-Nitroso-di-n-propylamine	7.42	70	356796	18.67	ng	# 75
32) Benzoic acid	8.14	122	242	6.26	ng	# 1
50) 2,6-Dinitrotoluene	9.89	165	85068	8.31	ng	# 37
54) Dibenzofuran	10.10	168	288	Below Cal		# 36
56) 2,4-Dinitrotoluene	9.89	165	85508	6.60	ng	# 21
57) Fluorene	10.68	166	31844	Below Cal		# 94
64) 4,6-Dinitro-2-methylphenol	10.68	198	1721	6.62	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	44764	3.86	ng	# 1
73) Di-n-butylphthalate	11.94	149	2799	Below Cal		# 62

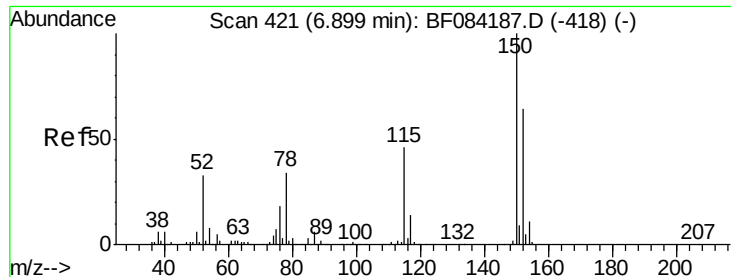
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

Instrument :

BNA_F

ClientSampleId :

MW-01

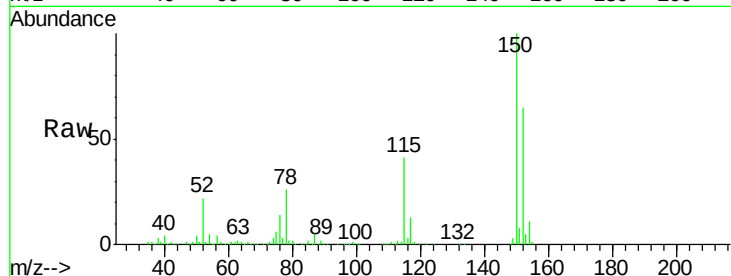
Tgt Ion:152 Resp: 363656

Ion Ratio Lower Upper

152 100

150 153.9 123.0 184.4

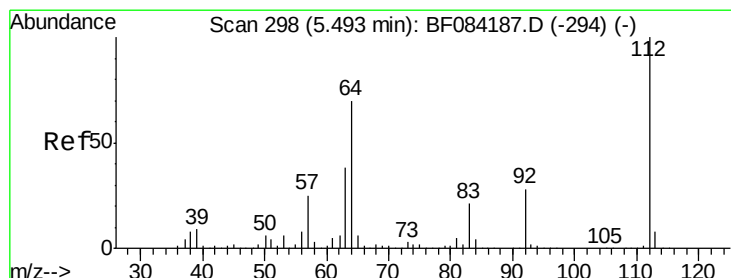
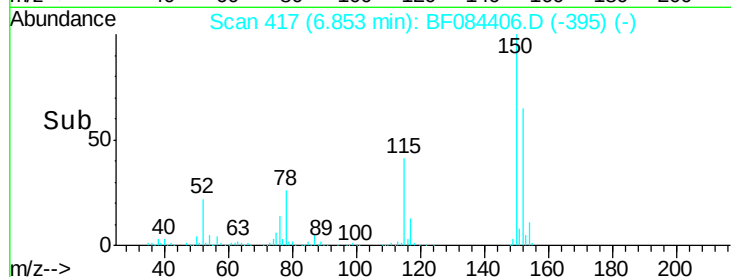
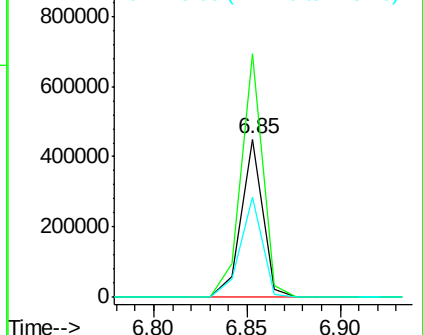
115 63.7 51.4 77.2



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: 54.49 ng

RT: 5.46 min Scan# 295

Delta R.T. -0.03 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

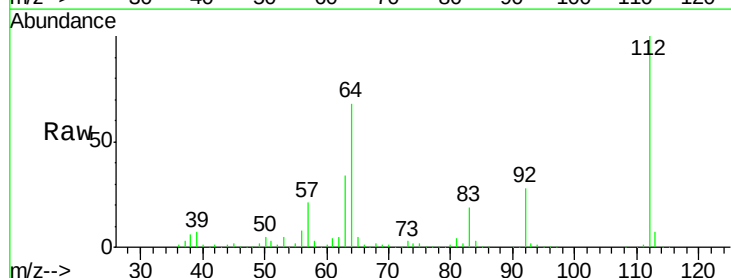
Tgt Ion:112 Resp: 1225052

Ion Ratio Lower Upper

112 100

64 67.6 36.6 55.0#

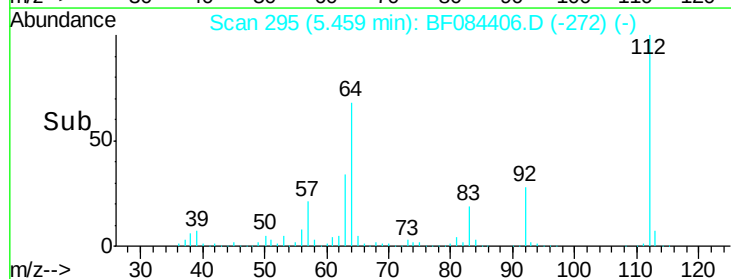
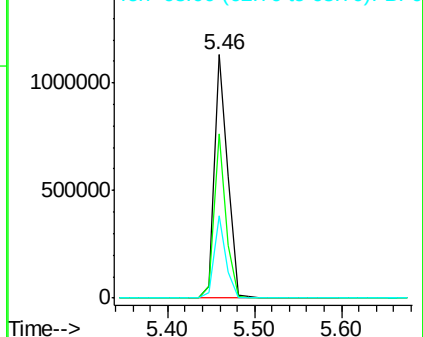
63 33.7 19.4 29.0#

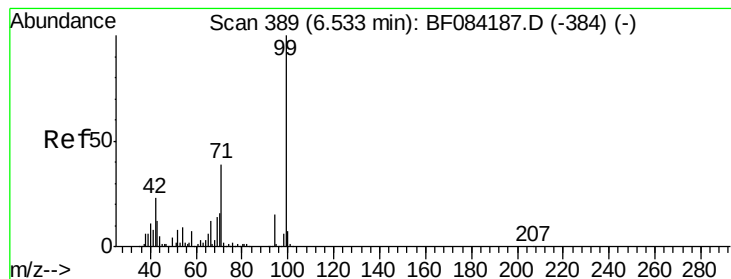


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 33.14 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.05 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

Instrument :

BNA_F

ClientSampleId :

MW-01

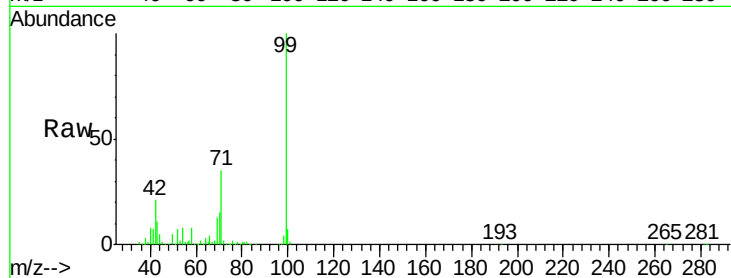
Tgt Ion: 99 Resp: 935780

Ion Ratio Lower Upper

99 100

42 21.2 12.8 19.2#

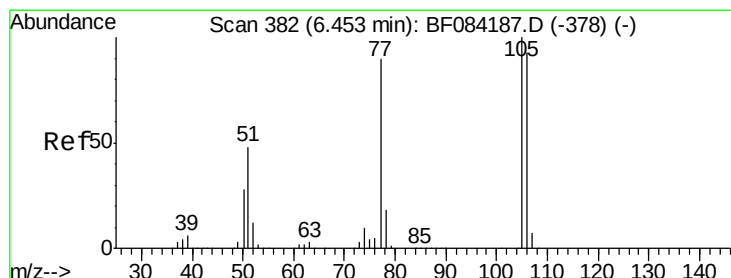
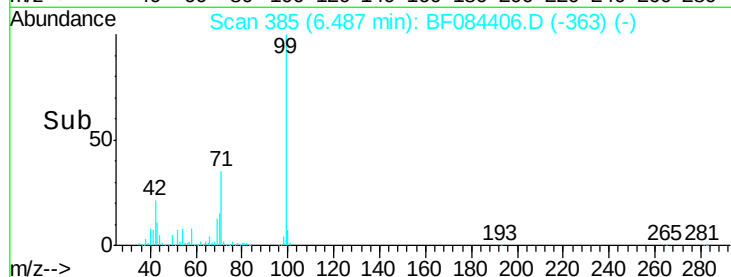
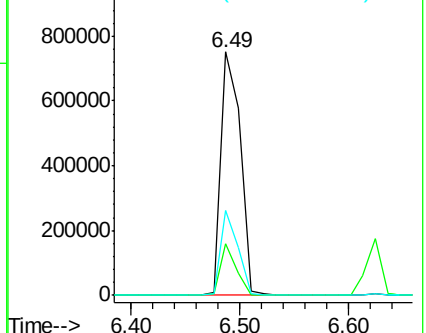
71 34.6 30.9 46.3



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: 2.95 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.17 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

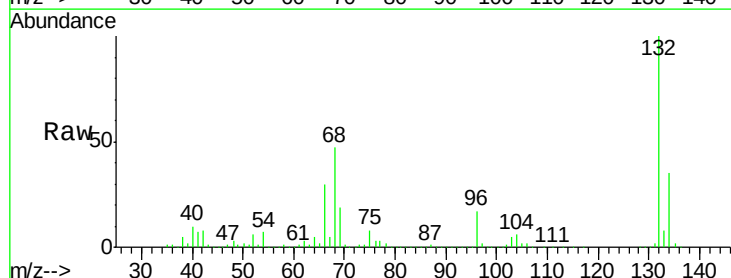
Tgt Ion: 77 Resp: 54172

Ion Ratio Lower Upper

77 100

105 73.5 83.0 123.0#

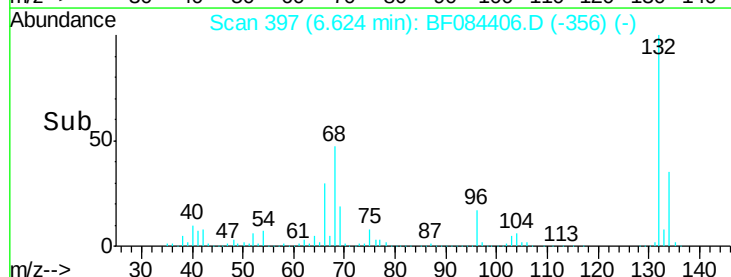
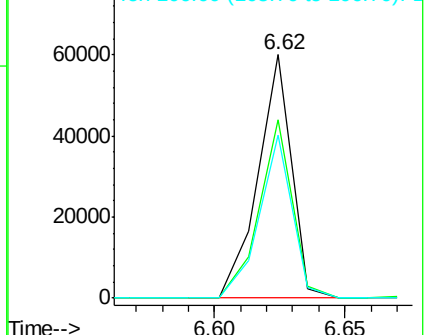
106 67.1 74.6 114.6#

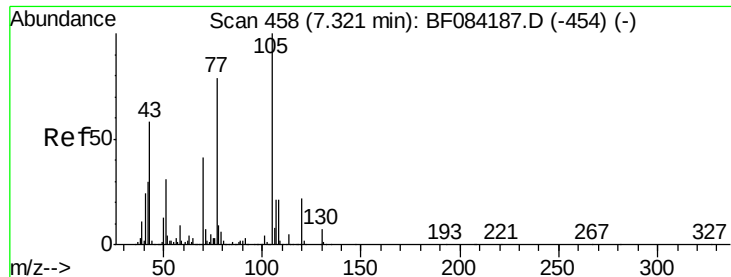


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

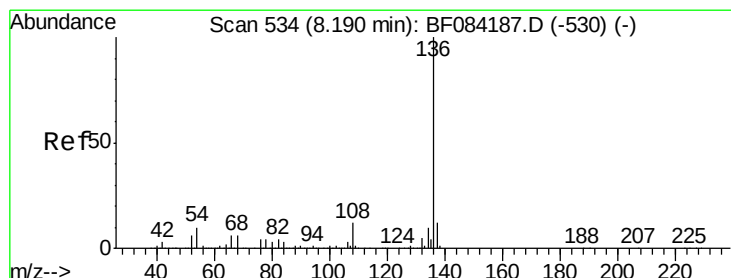
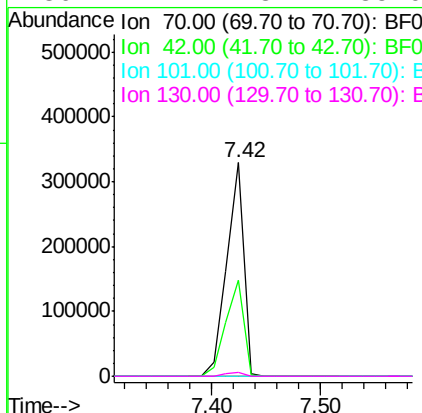
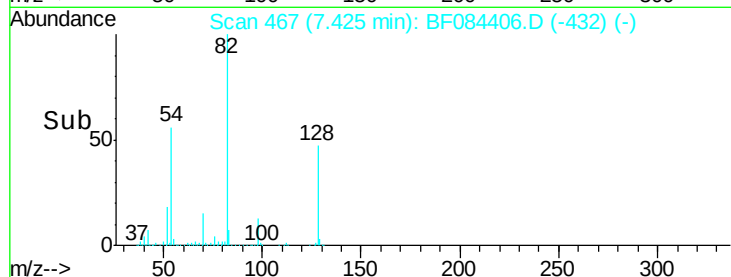
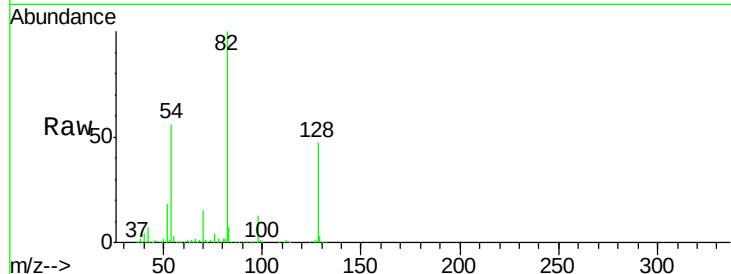




#19
n-Nitroso-di-n-propylamine
Concen: 18.67 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.10 min
Lab File: BF084406.D
Acq: 12 Jan 2016 4:08

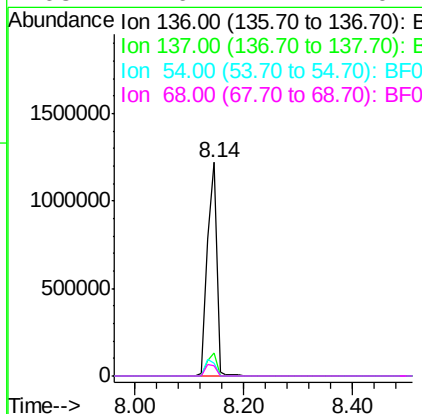
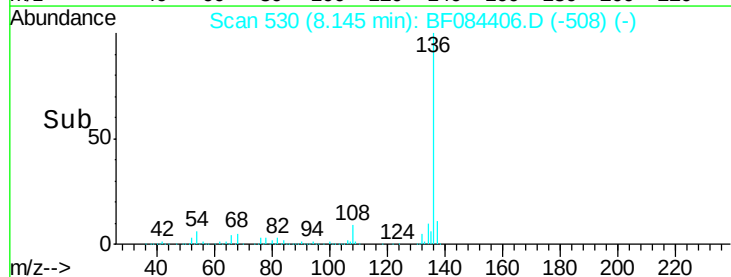
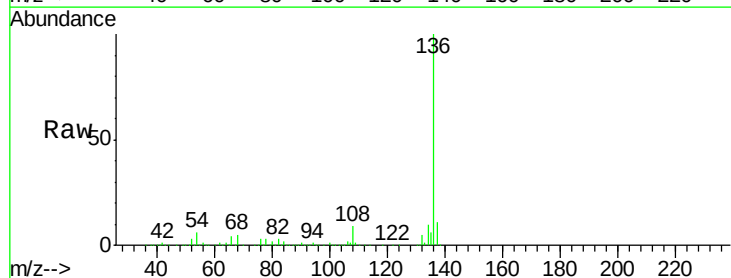
Instrument :
BNA_F
ClientSampleId :
MW-01

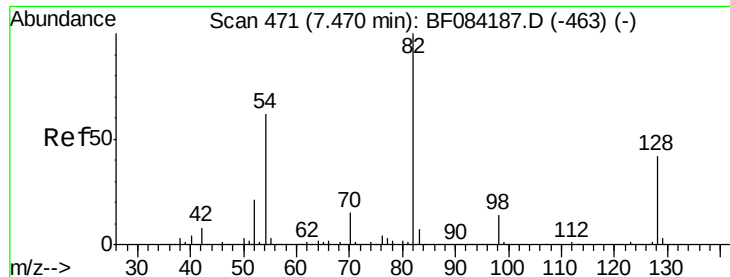
Tgt Ion	Ratio	Lower	Upper
70	100		
42	45.1	33.3	49.9
101	0.0	9.3	13.9#
130	2.1	23.4	35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.05 min
Lab File: BF084406.D
Acq: 12 Jan 2016 4:08

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.3	5.8	8.8
68	4.6	4.2	6.2





#23

Nitrobenzene-d5

Concen: 96.47 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.05 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

Instrument :

BNA_F

ClientSampleId :

MW-01

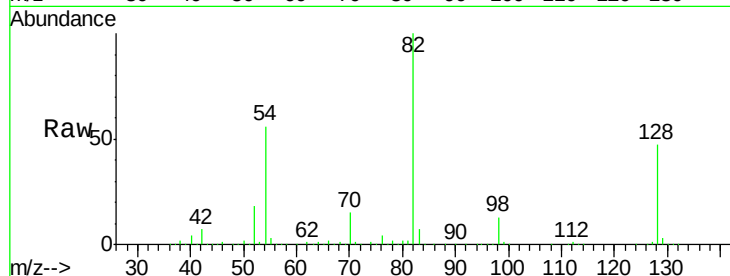
Tgt Ion: 82 Resp: 2470852

Ion Ratio Lower Upper

82 100

128 46.9 34.6 51.8

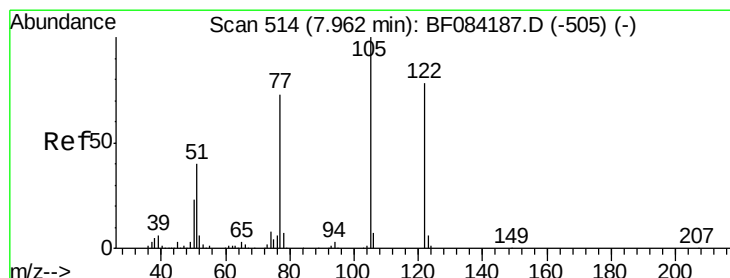
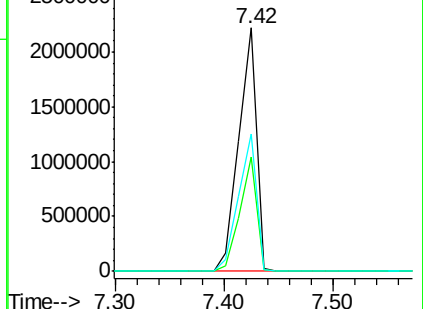
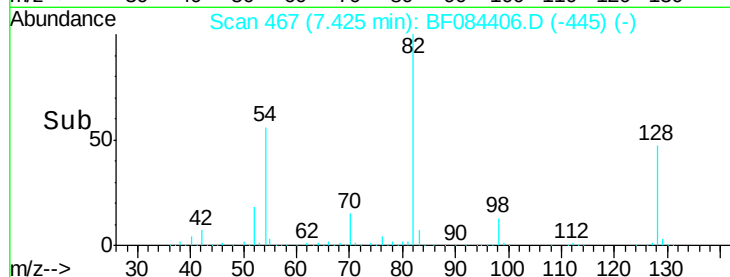
54 56.5 38.4 57.6



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



#32

Benzoic acid

Concen: 6.26 ng

RT: 8.14 min Scan# 530

Delta R.T. 0.18 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

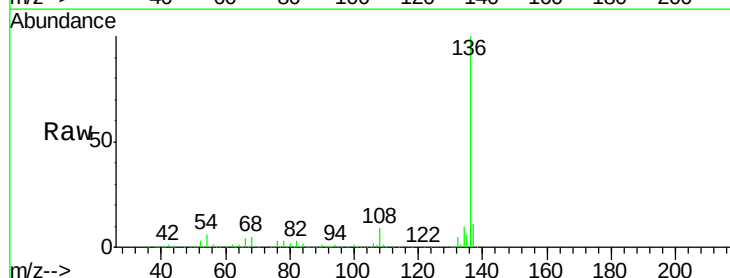
Tgt Ion: 122 Resp: 242

Ion Ratio Lower Upper

122 100

105 419.0 100.3 140.3#

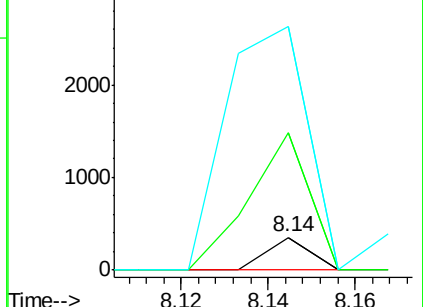
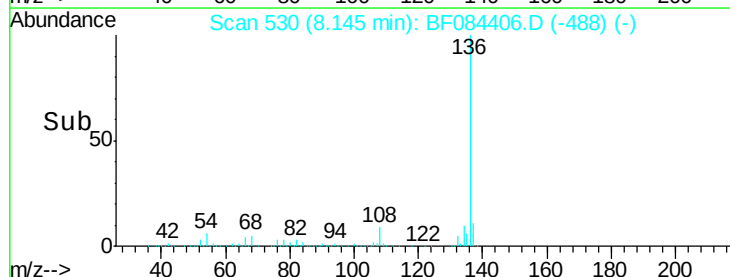
77 744.5 63.5 103.5#

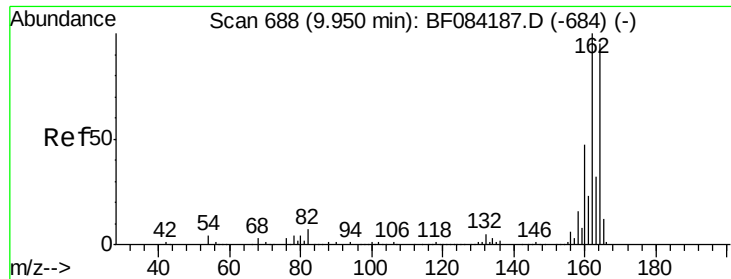


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

Instrument :

BNA_F

ClientSampleId :

MW-01

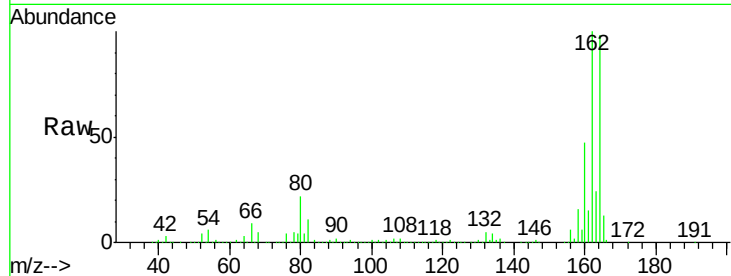
Tgt Ion:164 Resp: 652909

Ion Ratio Lower Upper

164 100

162 102.1 85.1 127.7

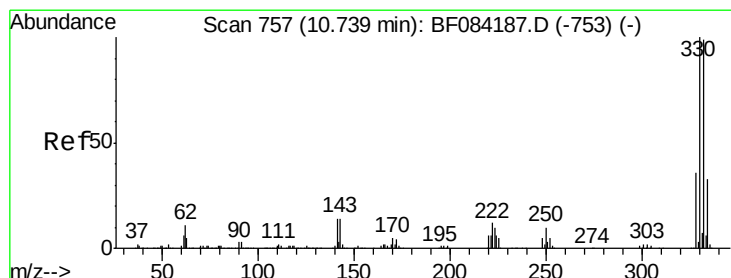
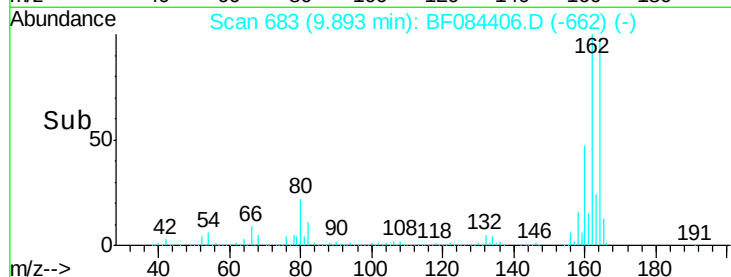
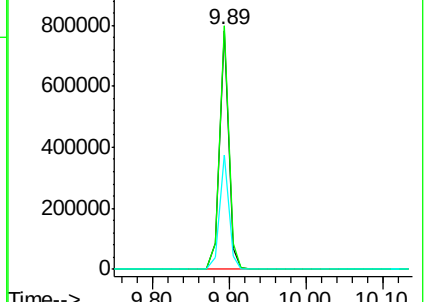
160 47.7 37.5 56.3



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: 116.55 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.06 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

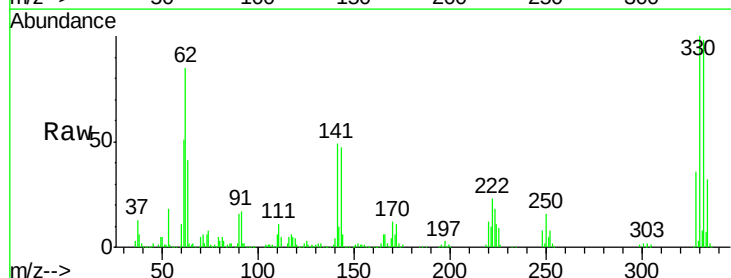
Tgt Ion:330 Resp: 768270

Ion Ratio Lower Upper

330 100

332 97.5 76.6 114.8

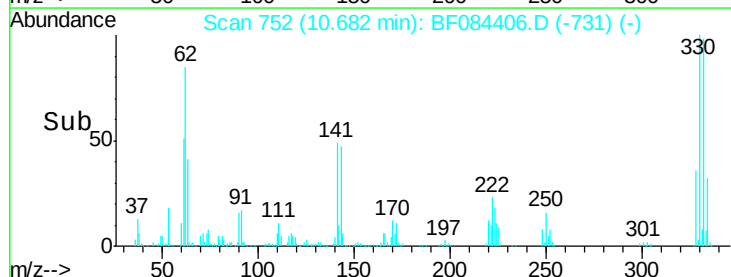
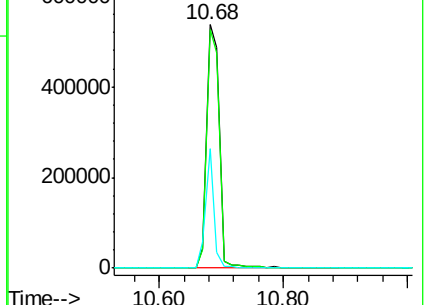
141 33.2 27.8 41.6

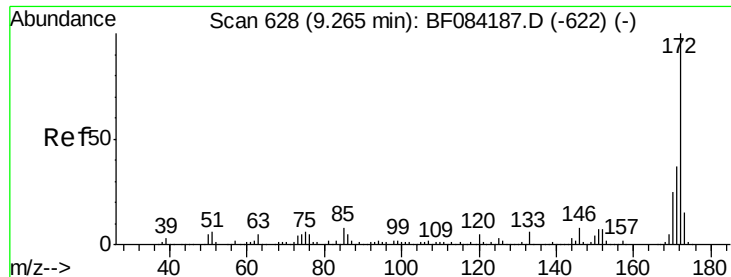


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

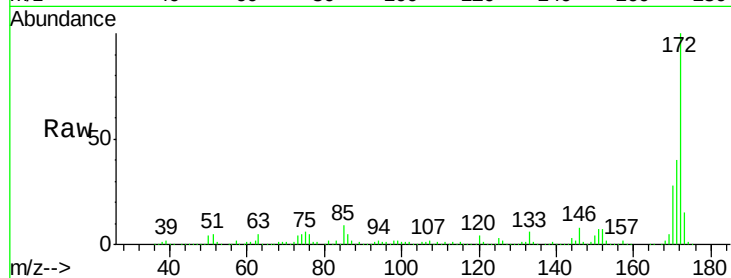




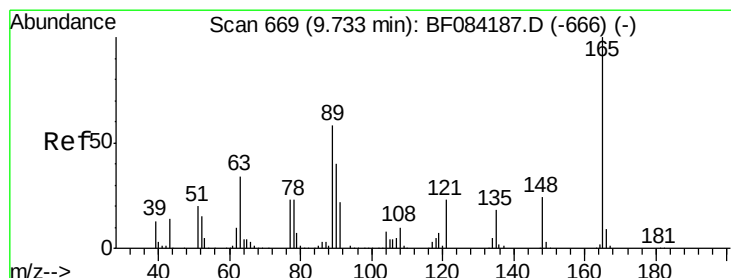
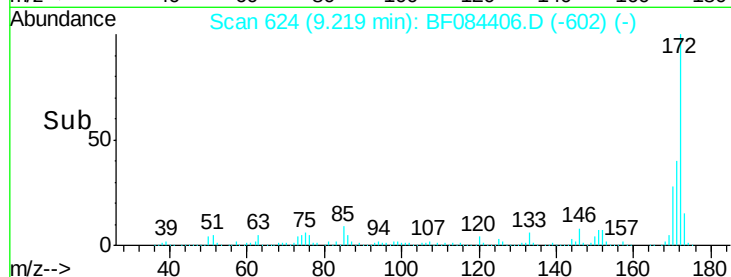
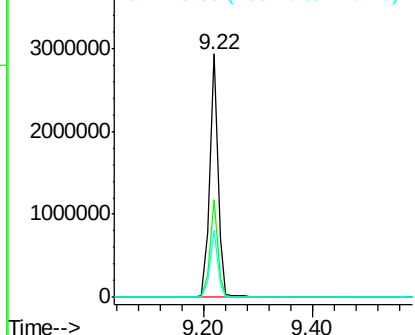
#44
 2-Fluorobiphenyl
 Concen: 84.83 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.04 min
 Lab File: BF084406.D
 Acq: 12 Jan 2016 4:08

Instrument :
 BNA_F
 ClientSampleId :
 MW-01

Tgt Ion:172 Resp: 3148882
 Ion Ratio Lower Upper
 172 100
 171 40.1 28.9 43.3
 170 27.6 18.6 27.8

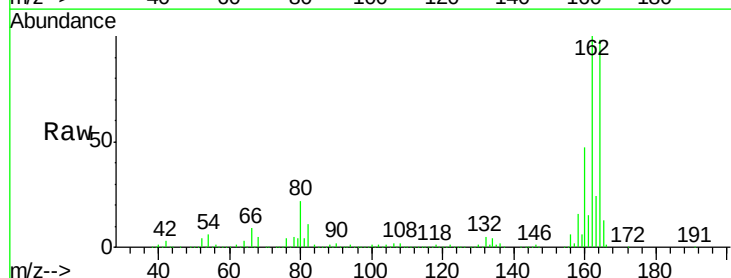


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

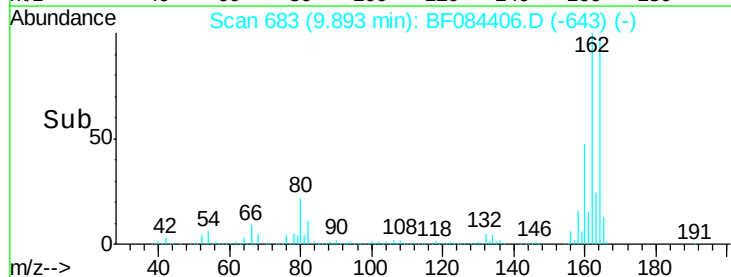
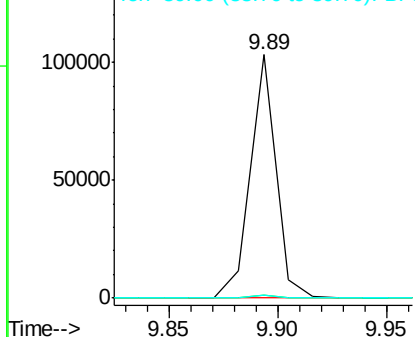


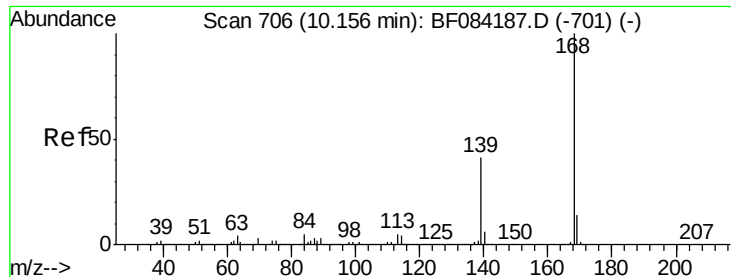
#50
 2,6-Dinitrotoluene
 Concen: 8.31 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.16 min
 Lab File: BF084406.D
 Acq: 12 Jan 2016 4:08

Tgt Ion:165 Resp: 85068
 Ion Ratio Lower Upper
 165 100
 63 1.0 28.8 43.2#
 89 1.4 35.1 52.7#



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





#54

Dibenzofuran

Concen: Below Cal

RT: 10.10 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

Instrument :

BNA_F

ClientSampleId :

MW-01

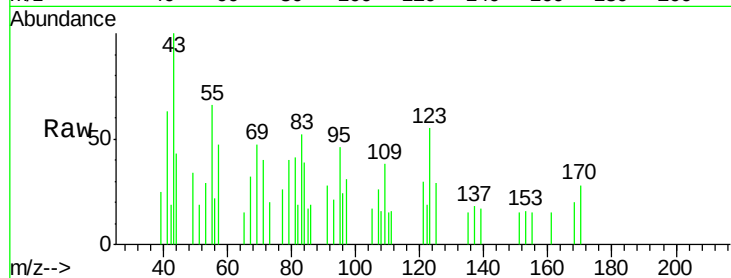
Tgt Ion:168 Resp: 288

Ion Ratio Lower Upper

168 100

139 83.3 30.5 45.7#

169 0.0 10.4 15.6#

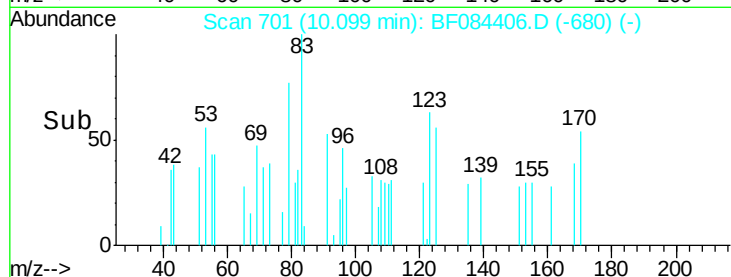


Abundance Ion 168.00 (167.70 to 168.70): E

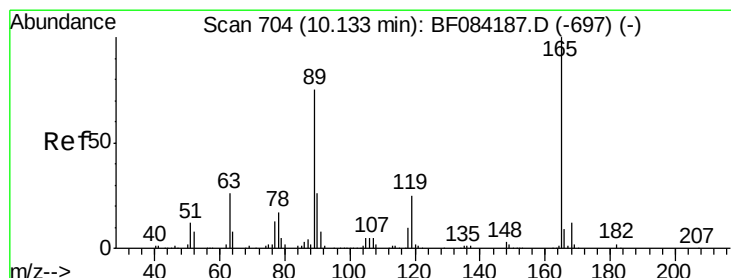
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

Time-->



Time-->



#56

2,4-Dinitrotoluene

Concen: 6.60 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.24 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

Tgt Ion:165 Resp: 85508

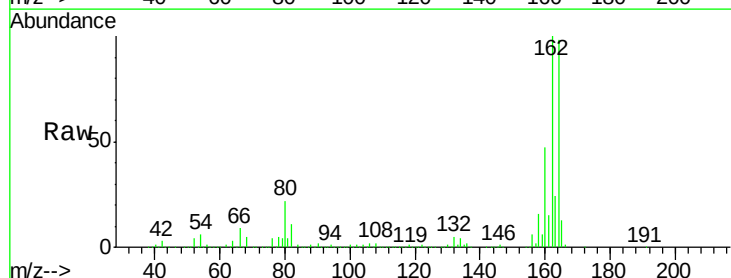
Ion Ratio Lower Upper

165 100

63 1.0 36.7 55.1#

89 1.4 61.9 92.9#

182 0.0 2.0 3.0#



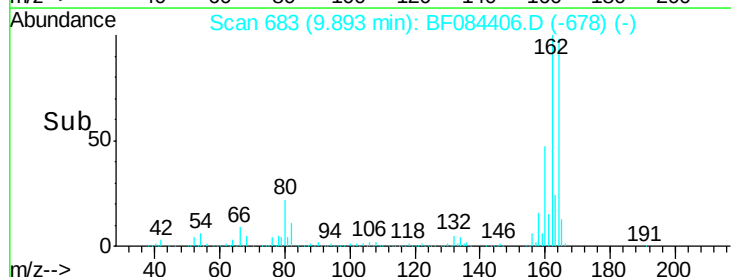
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

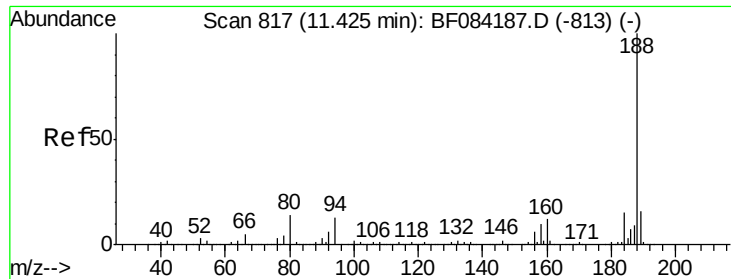
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

Time-->



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

Instrument :

BNA_F

ClientSampleId :

MW-01

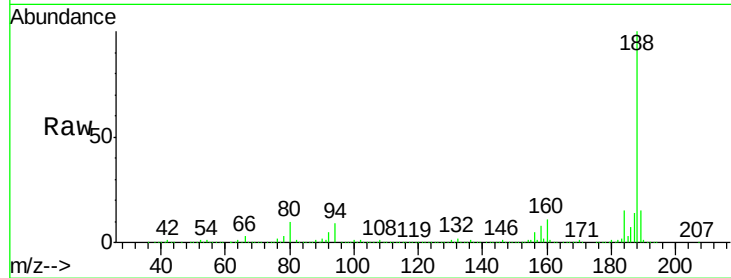
Tgt Ion:188 Resp: 1077417

Ion Ratio Lower Upper

188 100

94 9.4 9.0 13.4

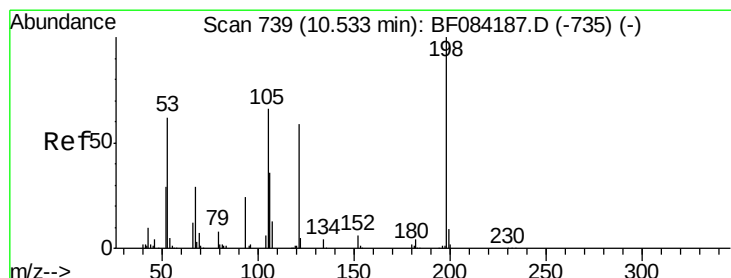
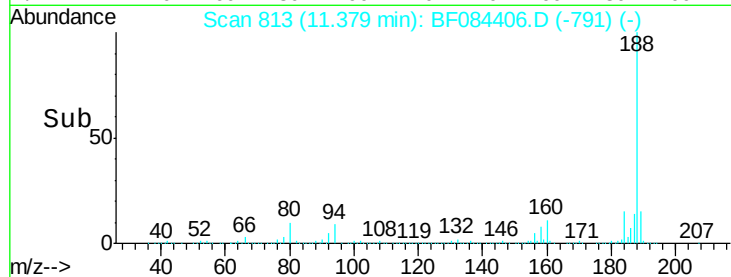
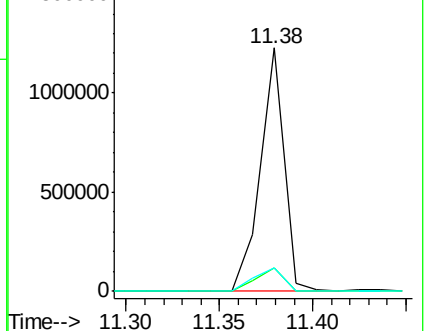
80 9.6 9.6 14.4



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



#64

4,6-Dinitro-2-methylphenol

Concen: 6.62 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.15 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

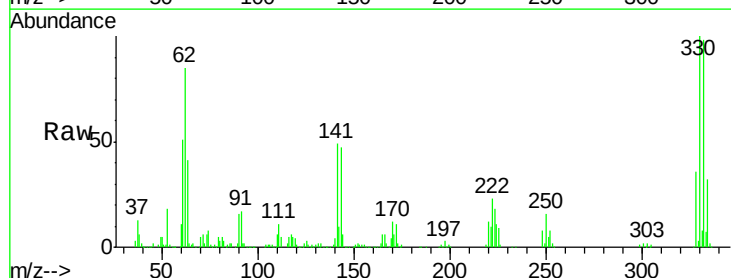
Tgt Ion:198 Resp: 1721

Ion Ratio Lower Upper

198 100

51 212.3 18.9 58.9#

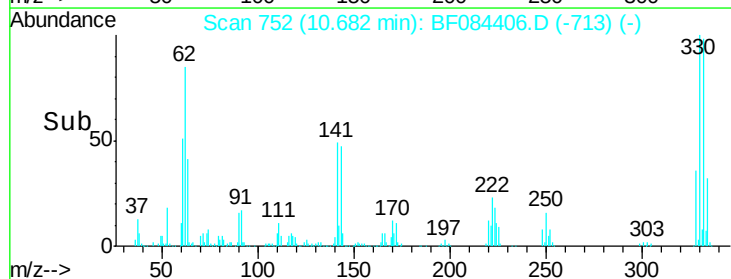
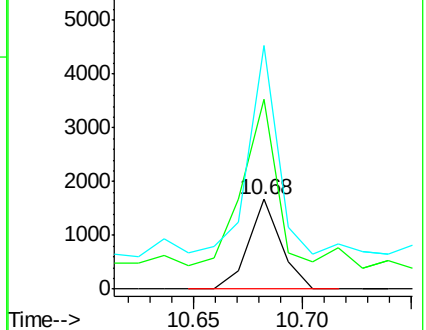
105 272.4 26.4 66.4#

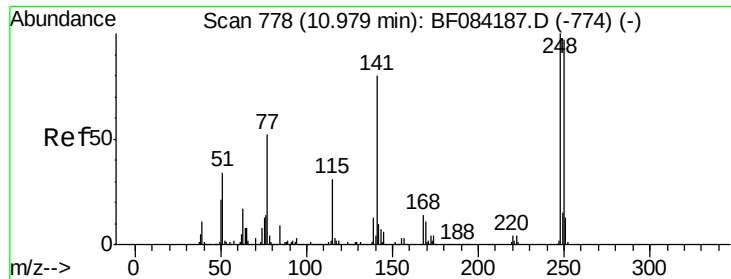


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.86 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.30 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

Instrument :

BNA_F

ClientSampleId :

MW-01

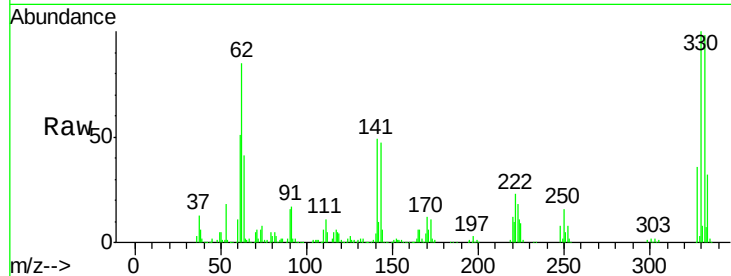
Tgt Ion:248 Resp: 44764

Ion Ratio Lower Upper

248 100

250 207.5 78.4 117.6#

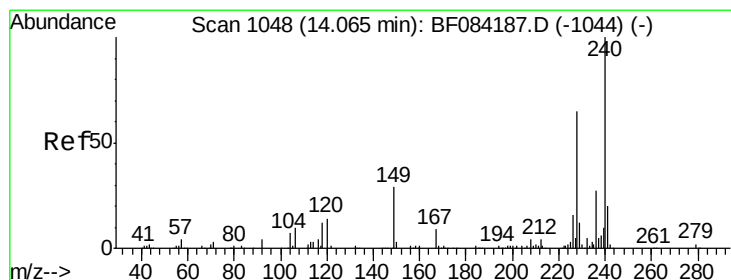
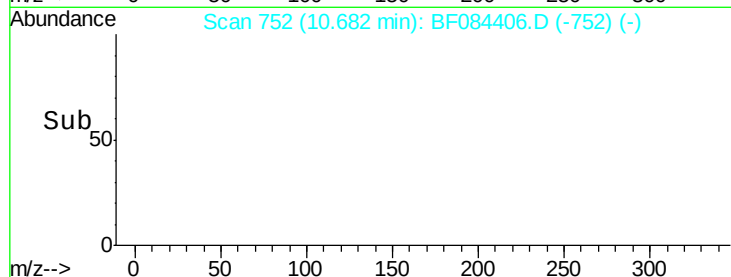
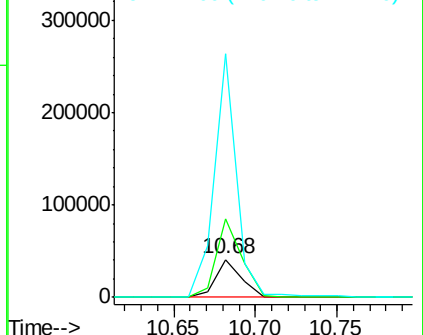
141 642.0 44.0 66.0#



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# 1043

Delta R.T. -0.06 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

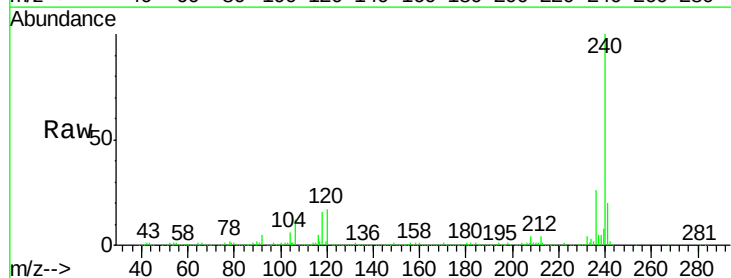
Tgt Ion:240 Resp: 688165

Ion Ratio Lower Upper

240 100

120 16.8 9.5 14.3#

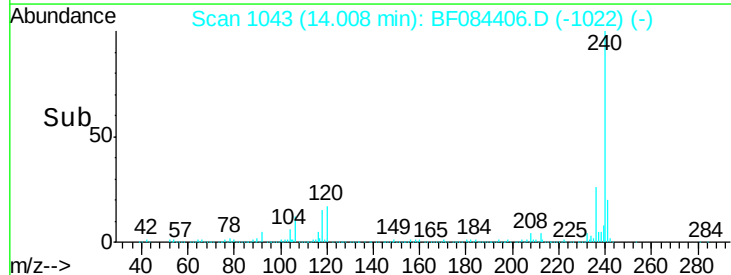
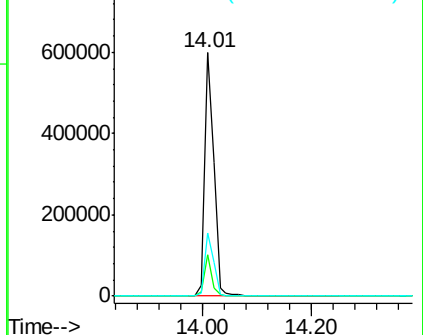
236 25.7 20.6 31.0

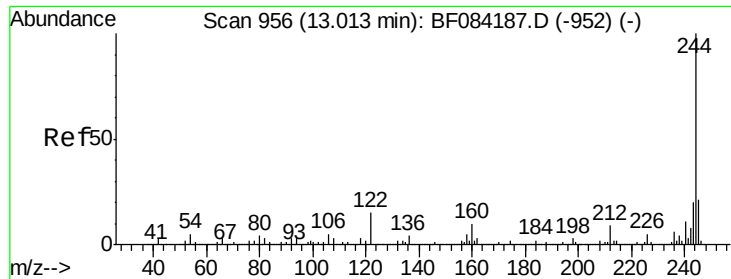


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 79.73 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

Instrument :

BNA_F

ClientSampleId :

MW-01

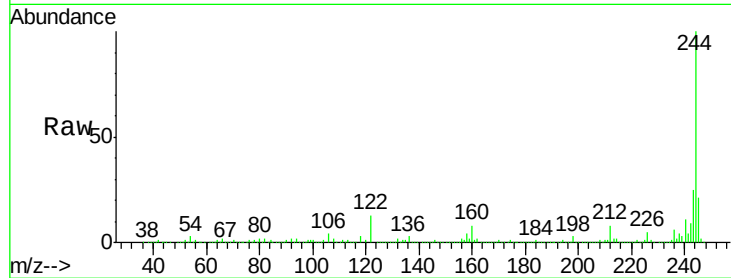
Tgt Ion:244 Resp: 2458032

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

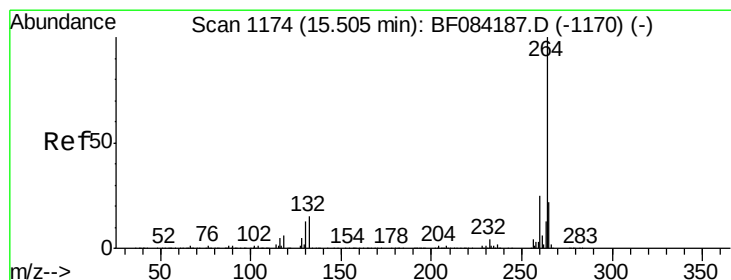
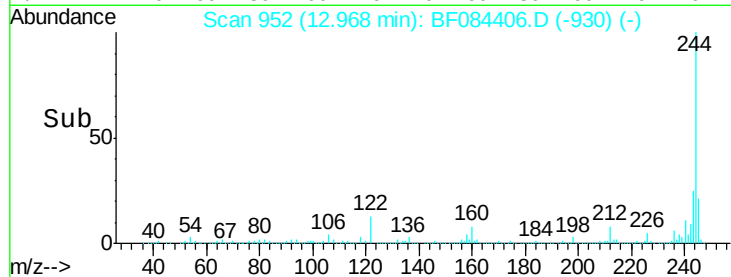
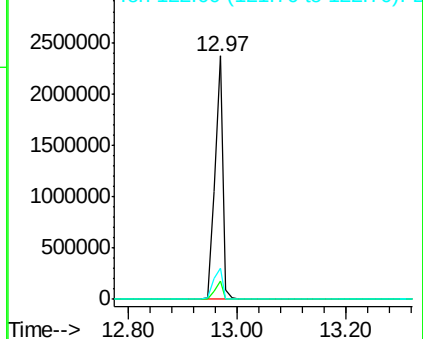
122 12.7 7.4 11.0#



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: 20.00 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.07 min

Lab File: BF084406.D

Acq: 12 Jan 2016 4:08

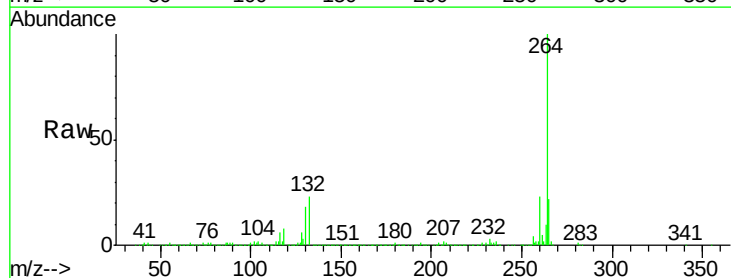
Tgt Ion:264 Resp: 615647

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

265 21.9 17.8 26.6



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

