

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102116\
 Data File : BF090728.D
 Acq On : 21 Oct 2016 23:37
 Operator : UM/SJ
 Sample : H5308-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-101S

Quant Time: Oct 22 00:04:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 17:36:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	259348	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	1114643	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	570528	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	929491	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	717847	20.00	ng	0.00
86) Perylene-d12	15.45	264	459473	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	849014	52.80	ng	0.00
7) Phenol-d6	6.49	99	700482	32.16	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1841536	90.61	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	770831	170.70	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2659074	72.35	ng	-0.01
78) Terphenyl-d14	12.97	244	2814782	89.87	ng	0.00

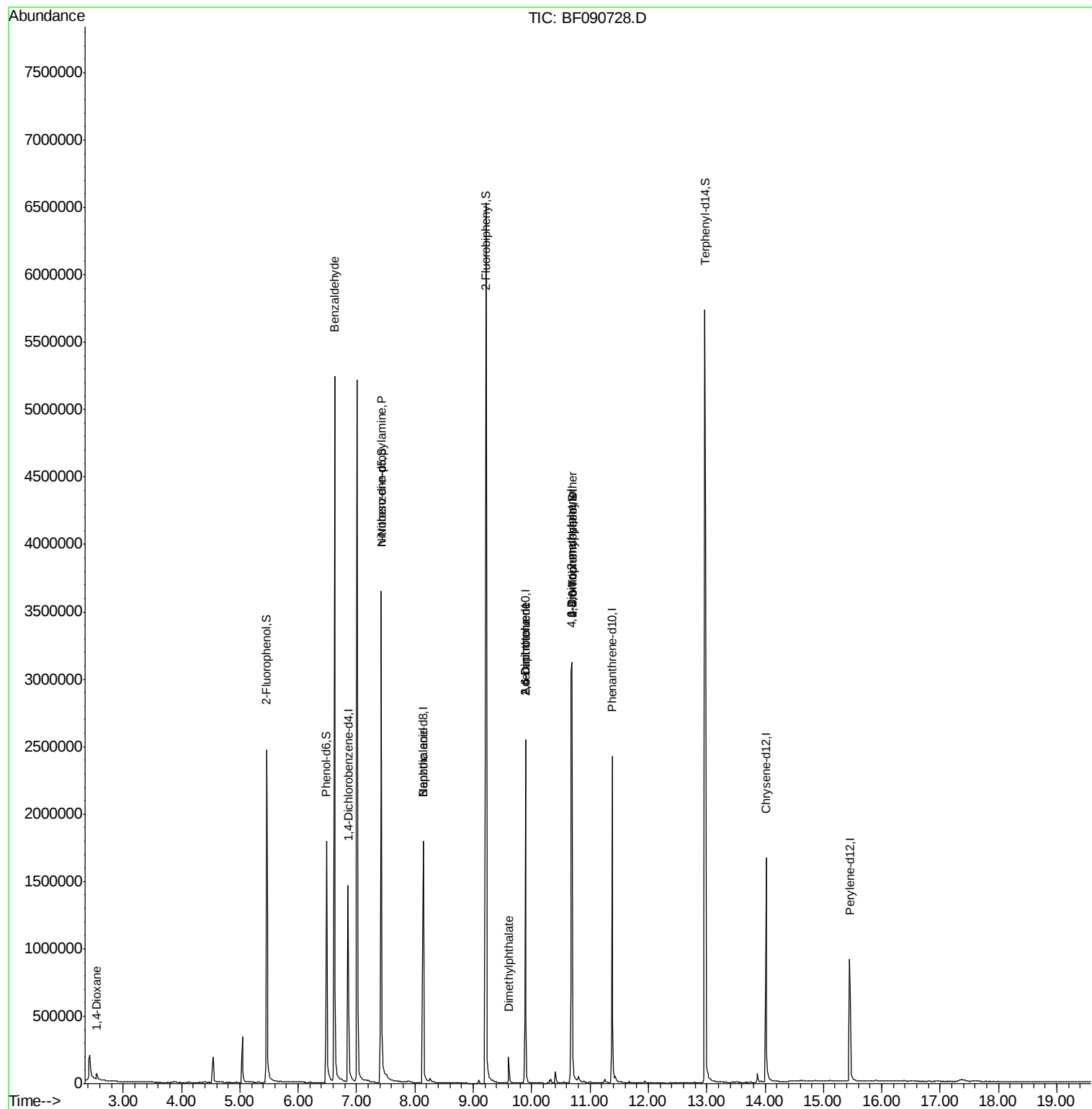
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.55	88	26597	2.86	ng	# 80
9) Benzaldehyde	6.62	77	38148	3.20	ng	# 60
19) n-Nitroso-di-n-propylamine	7.42	70	248745	15.33	ng	# 51
32) Benzoic acid	8.14	122	217	7.57	ng	# 1
49) Dimethylphthalate	9.61	163	102418	2.86	ng	# 97
50) 2,6-Dinitrotoluene	9.89	165	73319	9.51	ng	# 38
56) 2,4-Dinitrotoluene	9.89	165	73950	7.85	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.68	198	1151	4.35	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	47679	5.29	ng	# 1

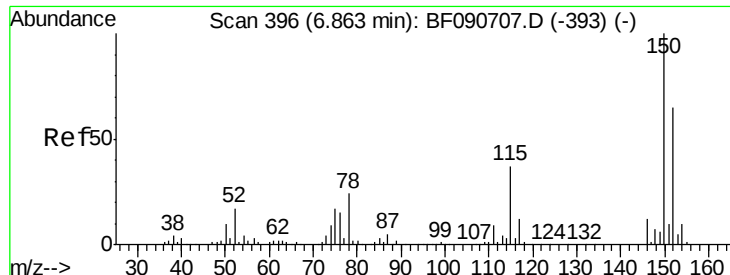
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 395

Delta R.T. -0.01 min

Lab File: BF090728.D

Acq: 21 Oct 2016 23:37

Instrument :

BNA_F

ClientSampleId :

MW-101S

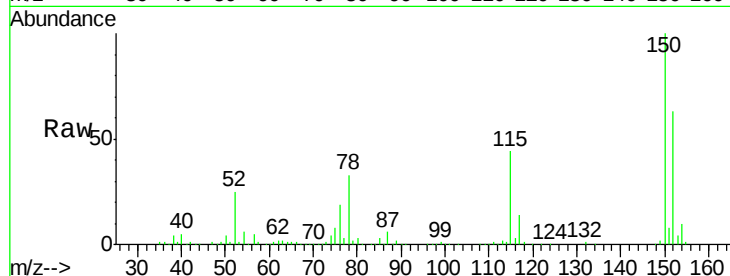
Tgt Ion:152 Resp: 259348

Ion Ratio Lower Upper

152 100

150 158.8 124.7 187.1

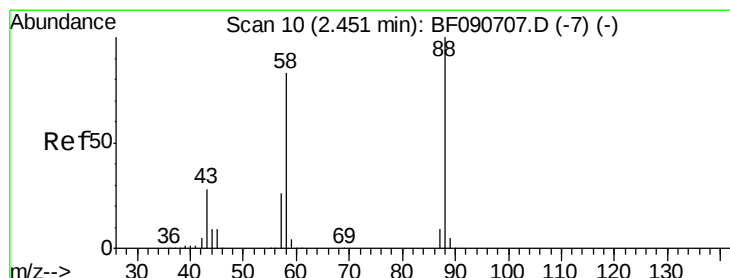
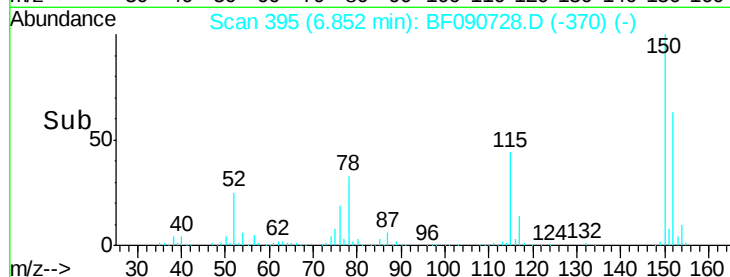
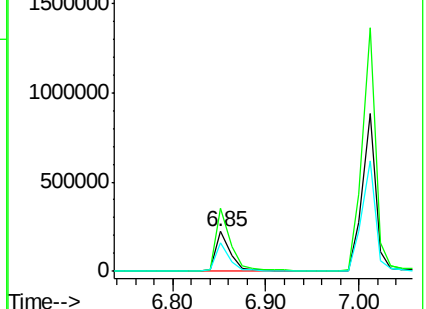
115 70.0 39.0 58.4#



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: 2.86 ng

RT: 2.55 min Scan# 19

Delta R.T. 0.07 min

Lab File: BF090728.D

Acq: 21 Oct 2016 23:37

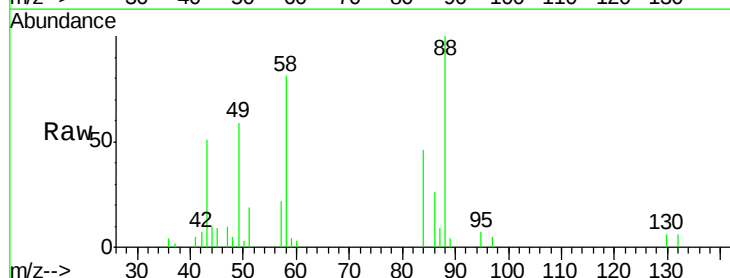
Tgt Ion: 88 Resp: 26597

Ion Ratio Lower Upper

88 100

58 88.9 77.7 116.5

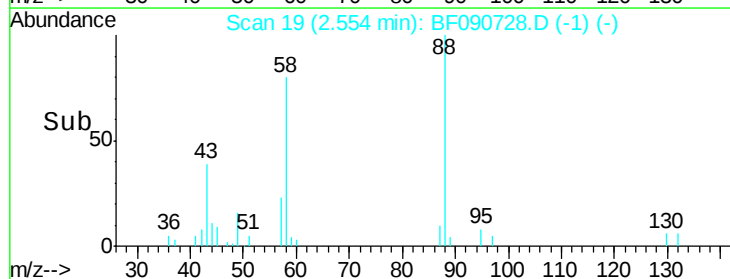
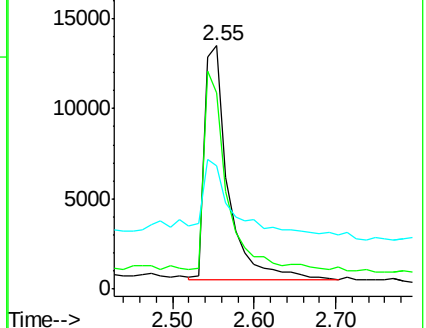
43 64.7 26.6 40.0#

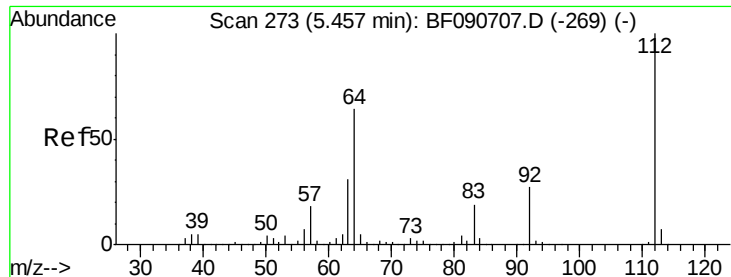


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 52.80 ng

RT: 5.46 min Scan# 273

Delta R.T. 0.00 min

Lab File: BF090728.D

Acq: 21 Oct 2016 23:37

Instrument :

BNA_F

ClientSampleId :

MW-101S

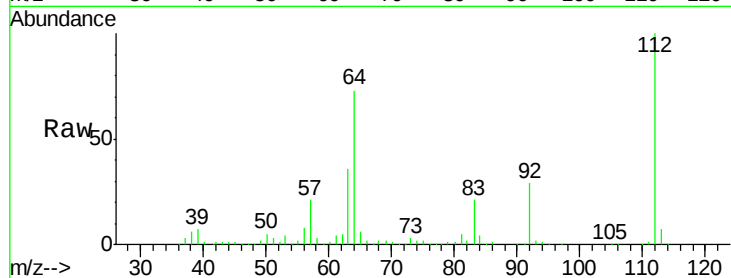
Tgt Ion: 112 Resp: 849014

Ion Ratio Lower Upper

112 100

64 72.8 39.7 59.5#

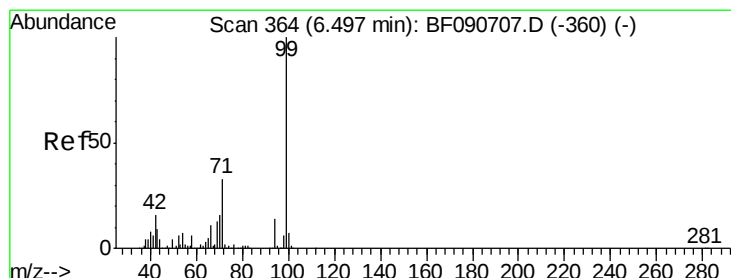
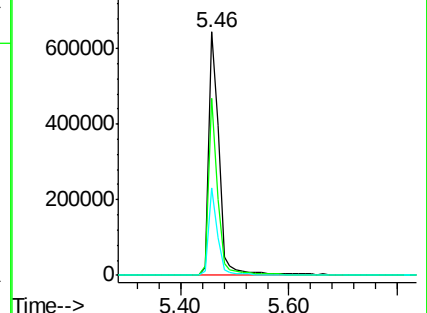
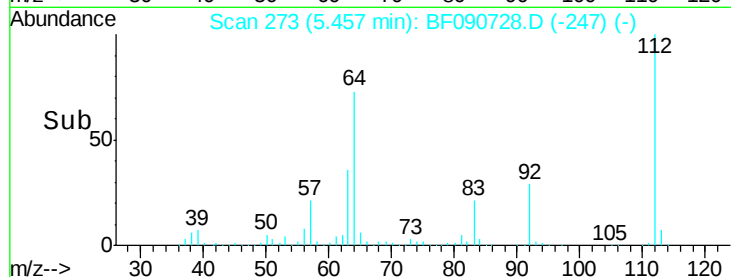
63 36.0 17.4 26.0#



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: 32.16 ng

RT: 6.49 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF090728.D

Acq: 21 Oct 2016 23:37

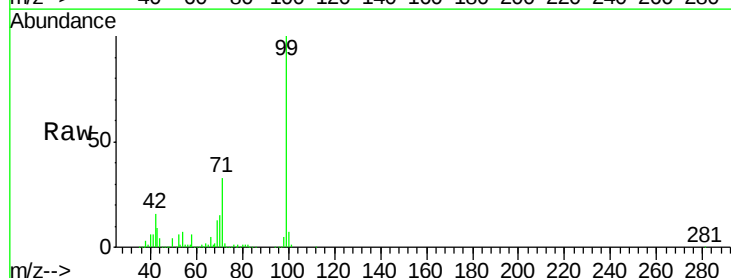
Tgt Ion: 99 Resp: 700482

Ion Ratio Lower Upper

99 100

42 16.4 13.7 20.5

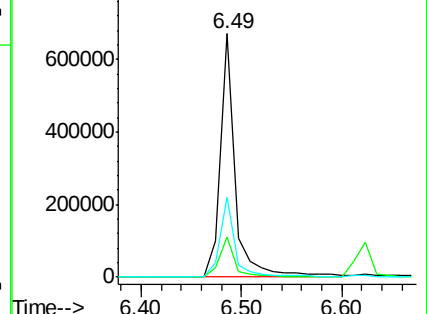
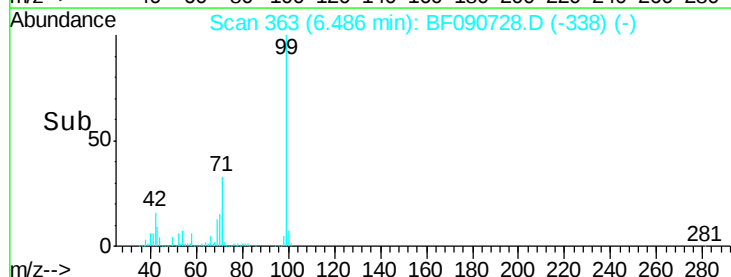
71 33.0 14.2 21.2#

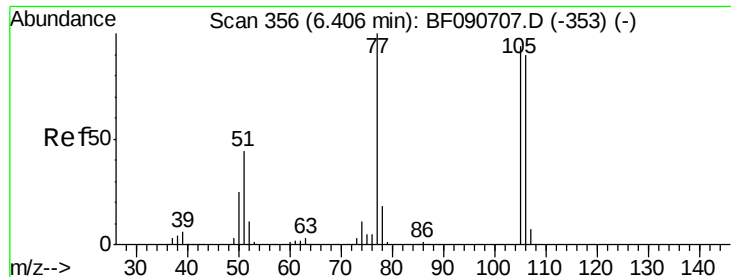


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 3.20 ng

RT: 6.62 min Scan# 375

Delta R.T. 0.22 min

Lab File: BF090728.D

Acq: 21 Oct 2016 23:37

Instrument :

BNA_F

ClientSampleId :

MW-101S

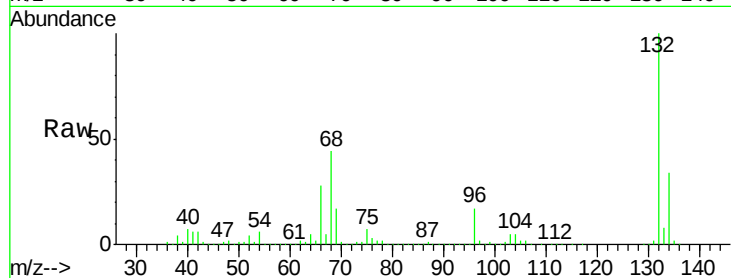
Tgt Ion: 77 Resp: 38148

Ion Ratio Lower Upper

77 100

105 78.2 91.6 131.6#

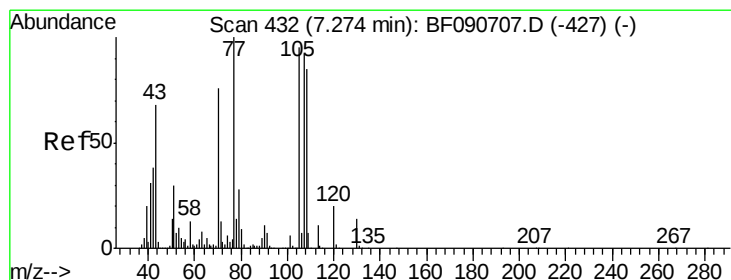
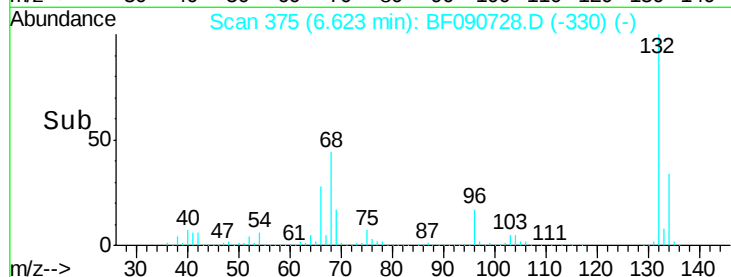
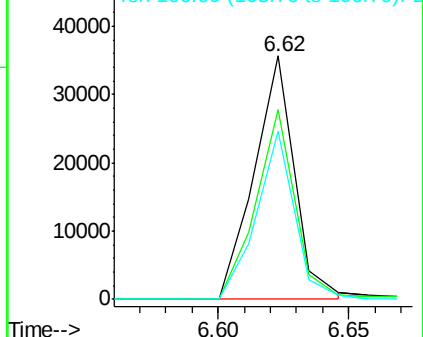
106 69.3 102.6 142.6#



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: 15.33 ng

RT: 7.42 min Scan# 445

Delta R.T. 0.15 min

Lab File: BF090728.D

Acq: 21 Oct 2016 23:37

Tgt Ion: 70 Resp: 248745

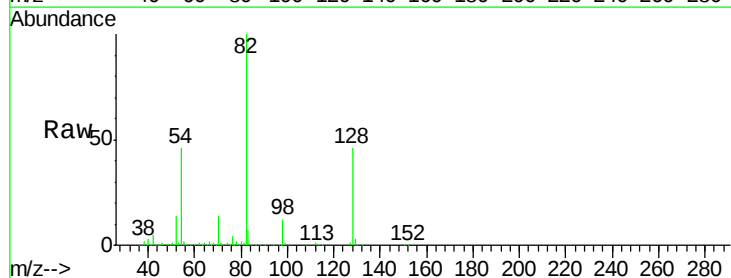
Ion Ratio Lower Upper

70 100

42 37.2 63.8 95.6#

101 0.0 9.2 13.8#

130 2.1 27.3 40.9#

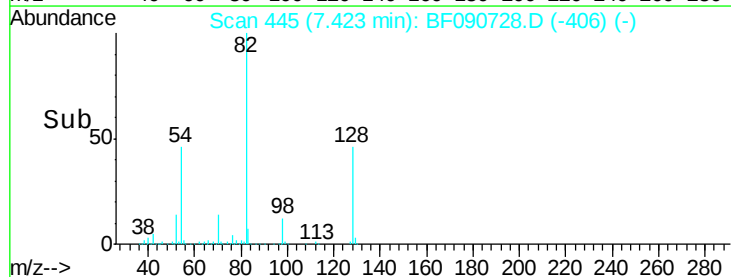
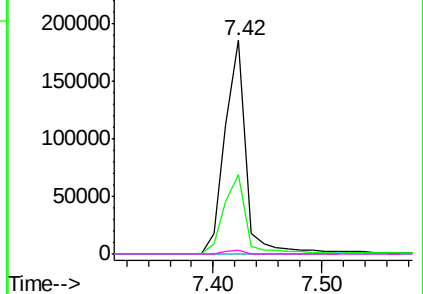


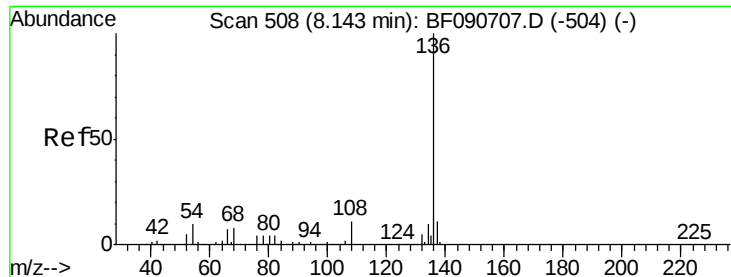
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF090728.D

Acq: 21 Oct 2016 23:37

Instrument :

BNA_F

ClientSampleId :

MW-101S

Tgt Ion:136 Resp: 1114643

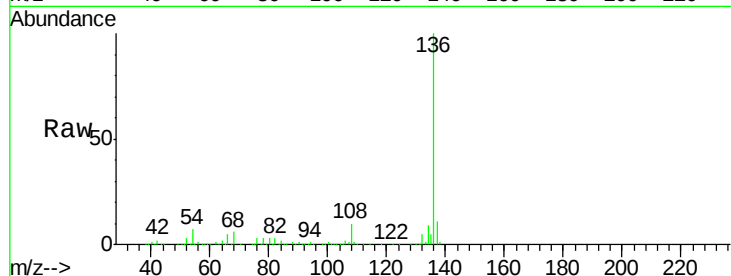
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 7.1 8.2 12.2#

68 6.4 5.8 8.6

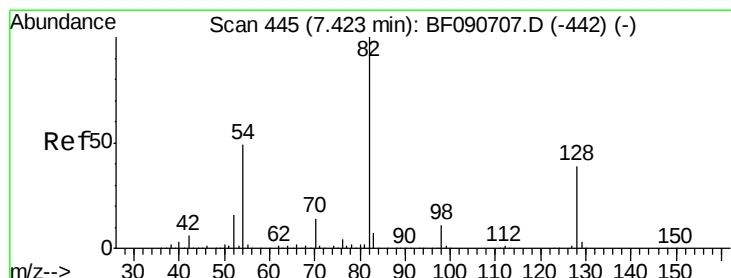
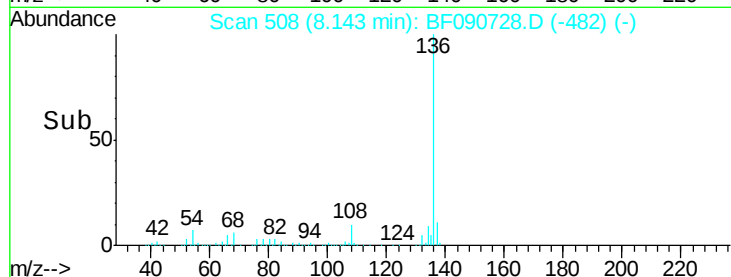
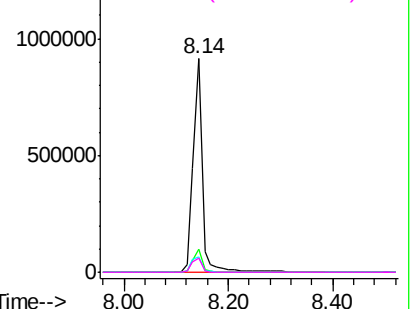


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.61 ng

RT: 7.42 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF090728.D

Acq: 21 Oct 2016 23:37

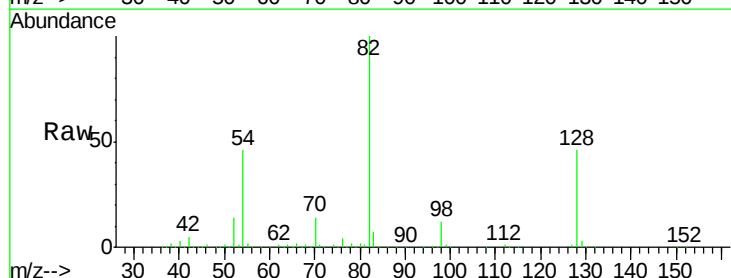
Tgt Ion: 82 Resp: 1841536

Ion Ratio Lower Upper

82 100

128 45.9 51.0 76.6#

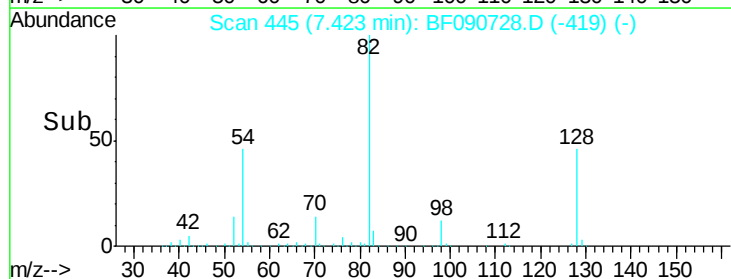
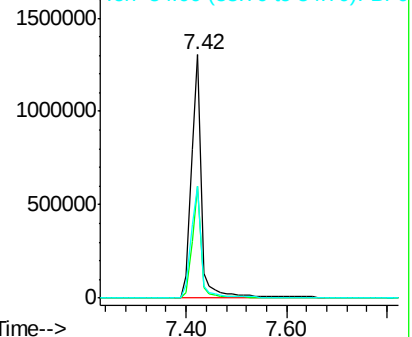
54 45.9 47.5 71.3#

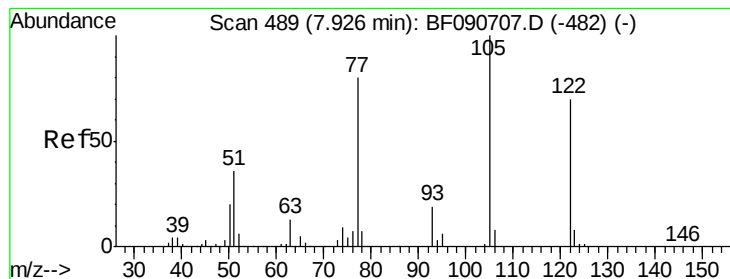


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 7.57 ng

RT: 8.14 min Scan# 508

Delta R.T. 0.21 min

Lab File: BF090728.D

Acq: 21 Oct 2016 23:37

Instrument :

BNA_F

ClientSampleId :

MW-101S

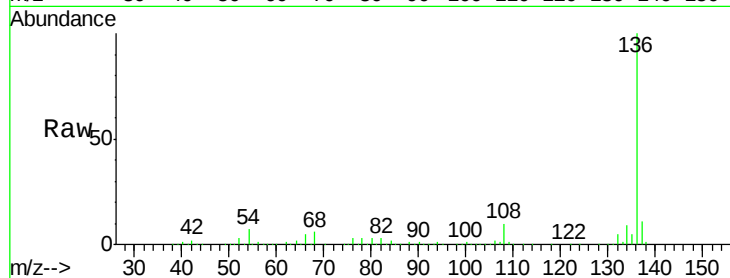
Tgt Ion:122 Resp: 217

Ion Ratio Lower Upper

122 100

105 242.9 76.1 116.1#

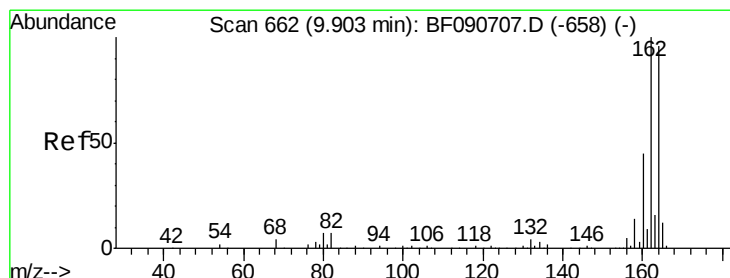
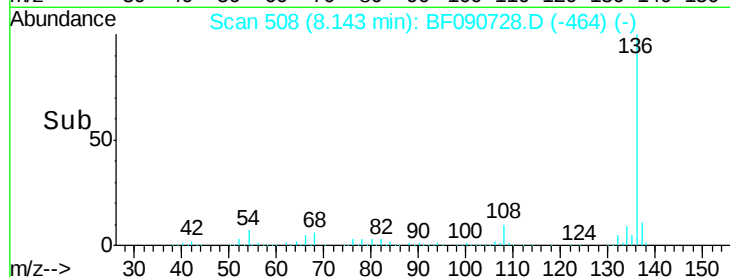
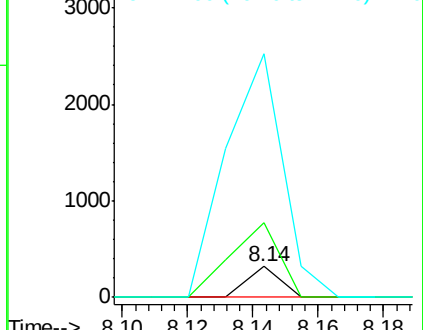
77 795.9 40.5 80.5#



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# 661

Delta R.T. -0.01 min

Lab File: BF090728.D

Acq: 21 Oct 2016 23:37

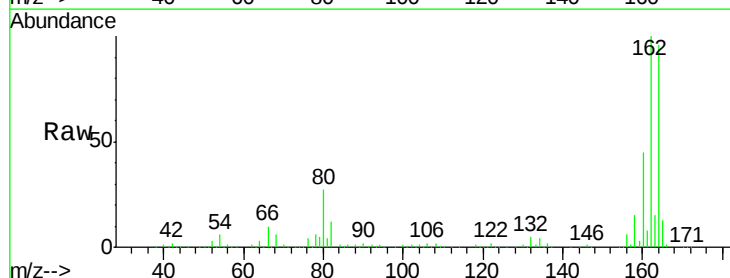
Tgt Ion:164 Resp: 570528

Ion Ratio Lower Upper

164 100

162 103.9 75.2 112.8

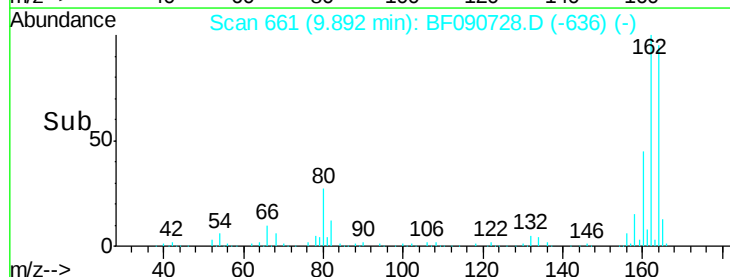
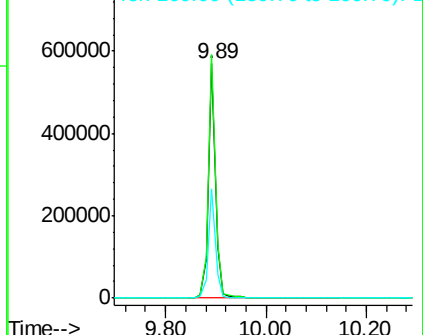
160 46.8 31.5 47.3

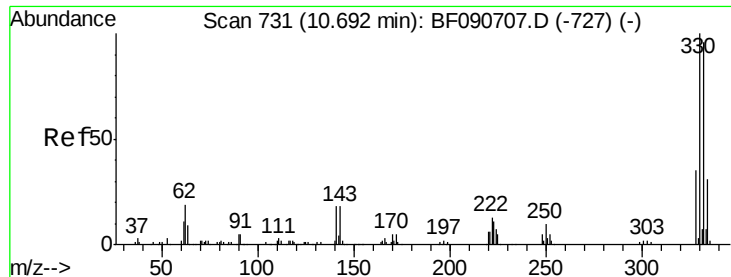


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

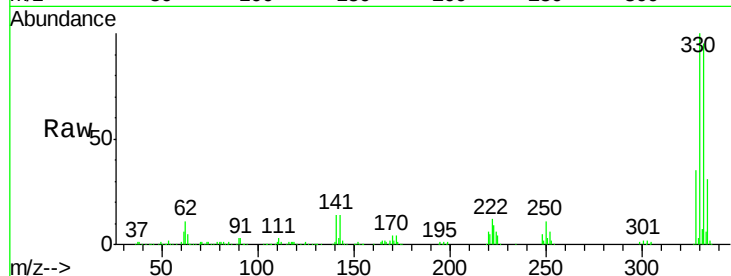




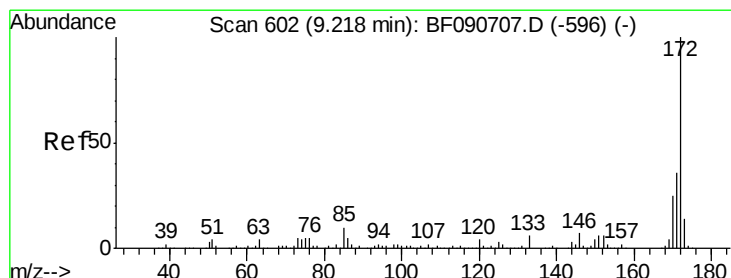
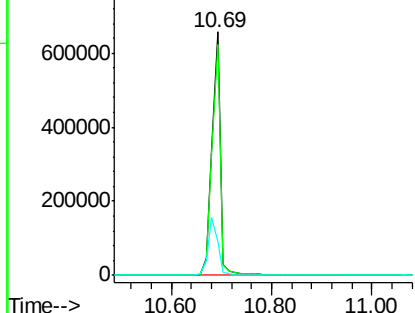
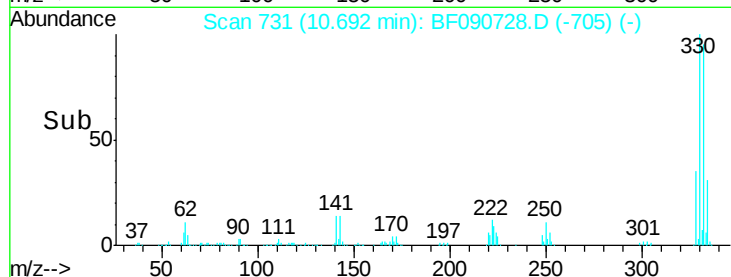
#41
 2,4,6-Tribromophenol
 Concen: 170.70 ng
 RT: 10.69 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: BF090728.D
 Acq: 21 Oct 2016 23:37

Instrument :
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Tgt Ion:330 Resp: 770831
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.6 114.8
 141 28.0 29.7 44.5#

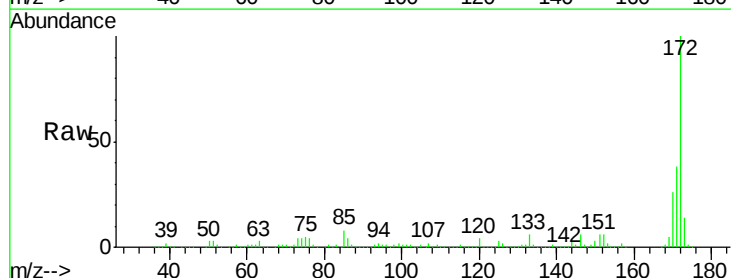


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

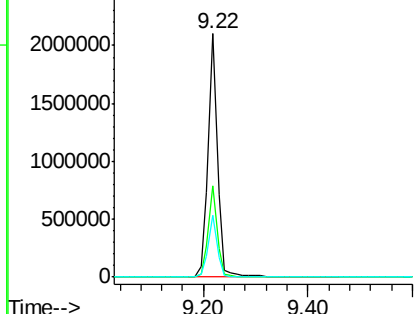
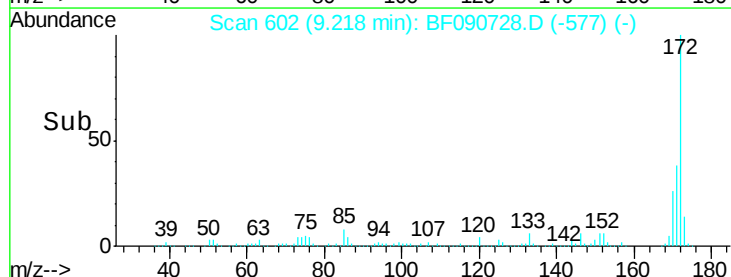


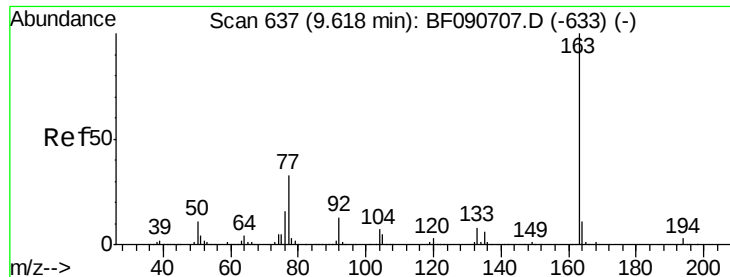
#44
 2-Fluorobiphenyl
 Concen: 72.35 ng
 RT: 9.22 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF090728.D
 Acq: 21 Oct 2016 23:37

Tgt Ion:172 Resp: 2659074
 Ion Ratio Lower Upper
 172 100
 171 37.7 26.1 39.1
 170 25.7 17.4 26.2



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: 2.86 ng

RT: 9.61 min Scan# 636

Delta R.T. -0.02 min

Lab File: BF090728.D

Acq: 21 Oct 2016 23:37

Instrument :

BNA_F

ClientSampleId :

MW-101S

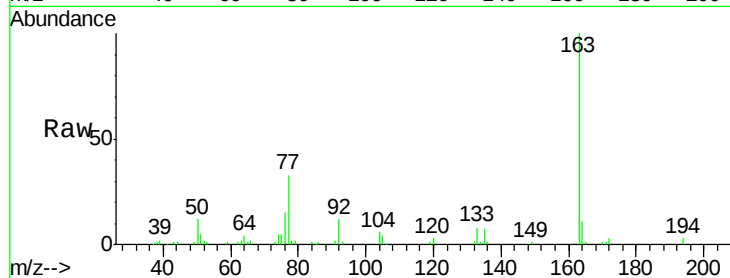
Tgt Ion:163 Resp: 102418

Ion Ratio Lower Upper

163 100

194 2.7 4.4 6.6#

164 10.6 8.3 12.5



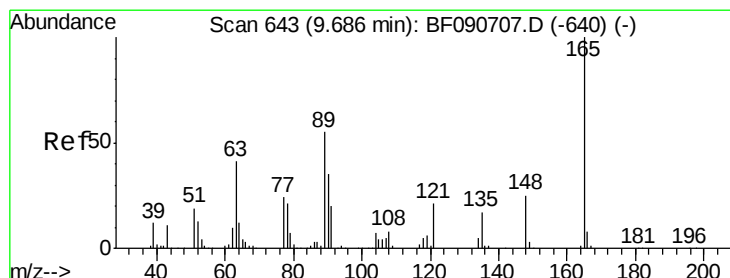
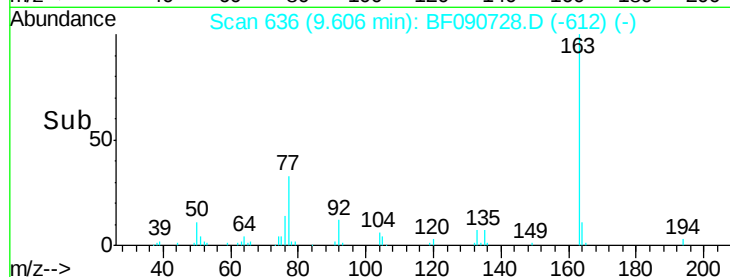
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

9.61

Time-->



#50

2,6-Dinitrotoluene

Concen: 9.51 ng

RT: 9.89 min Scan# 661

Delta R.T. 0.21 min

Lab File: BF090728.D

Acq: 21 Oct 2016 23:37

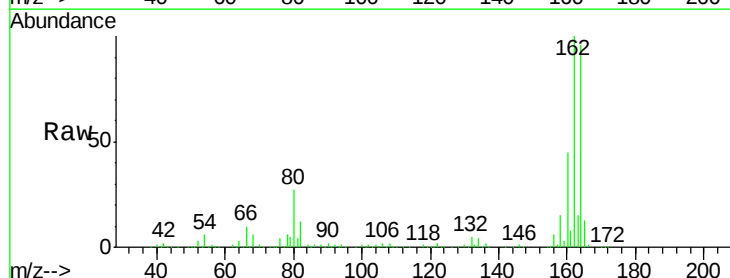
Tgt Ion:165 Resp: 73319

Ion Ratio Lower Upper

165 100

63 1.0 32.3 48.5#

89 1.1 28.6 43.0#



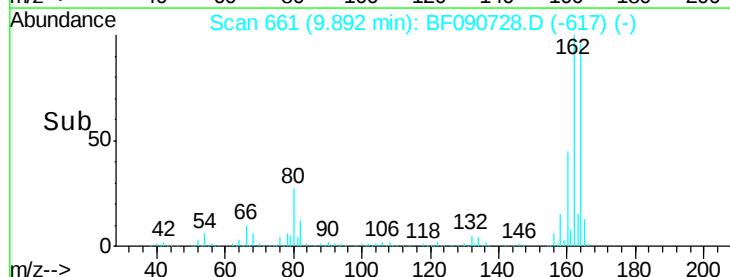
Abundance Ion 165.00 (164.70 to 165.70): E

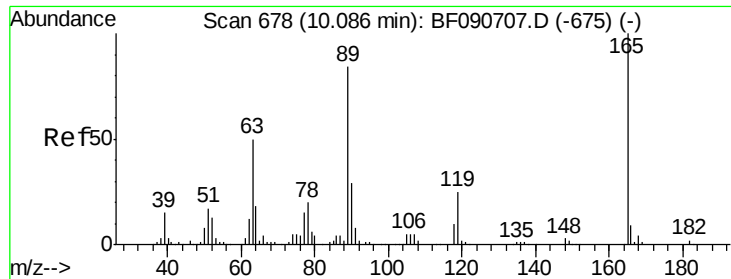
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

9.89

Time-->

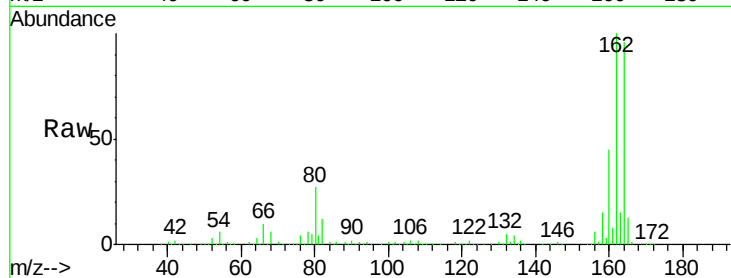




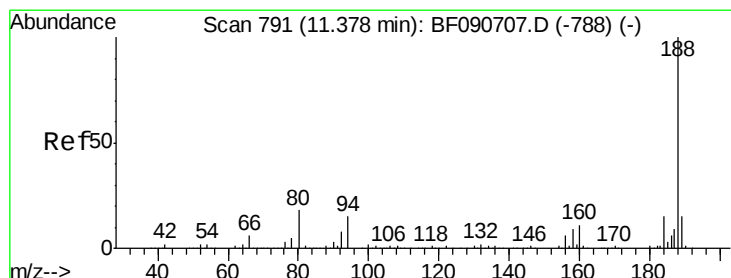
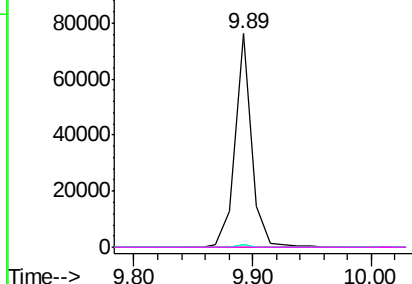
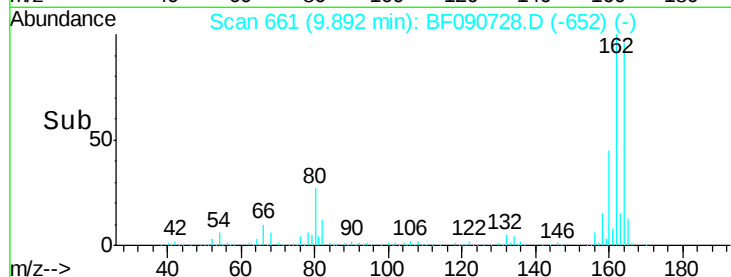
#56
 2,4-Dinitrotoluene
 Concen: 7.85 ng
 RT: 9.89 min Scan# 661
 Delta R.T. -0.19 min
 Lab File: BF090728.D
 Acq: 21 Oct 2016 23:37

Instrument :
 BNA_F
 ClientSampleId :
 MW-101S

Tgt Ion:	165	Resp:	73950
Ion	Ratio	Lower	Upper
165	100		
63	1.0	29.8	44.6#
89	1.1	44.5	66.7#
182	0.0	3.0	4.4#

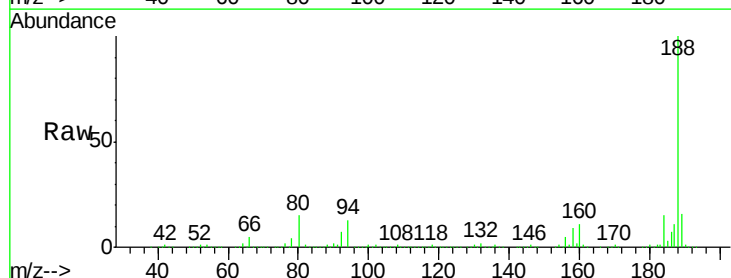


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

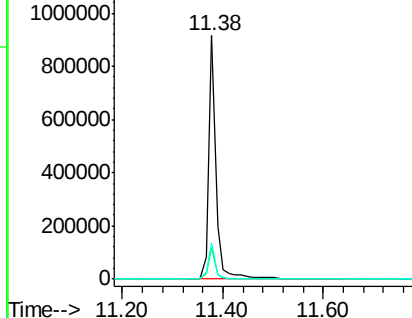
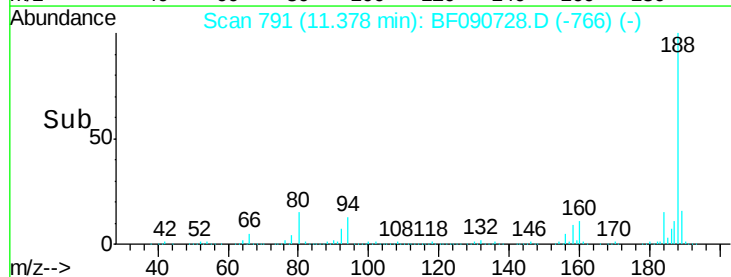


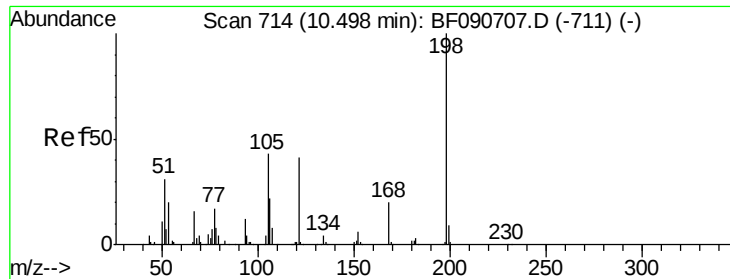
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF090728.D
 Acq: 21 Oct 2016 23:37

Tgt Ion:	188	Resp:	929491
Ion	Ratio	Lower	Upper
188	100		
94	12.9	11.1	16.7
80	14.8	11.0	16.4



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

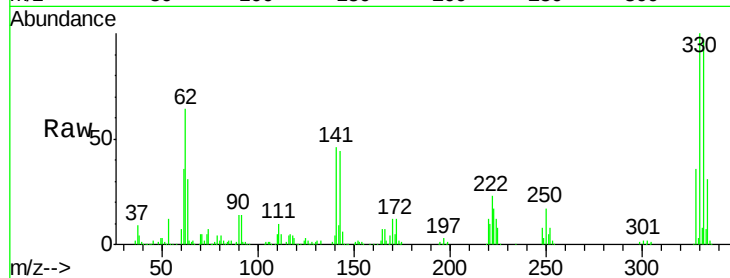




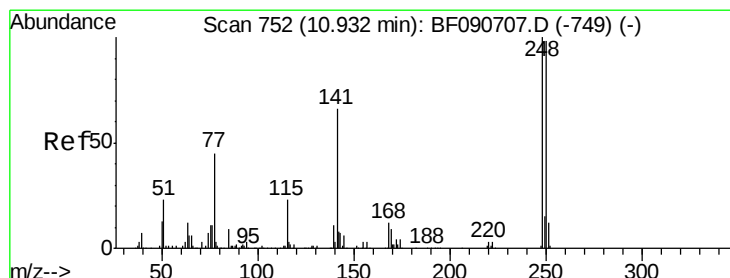
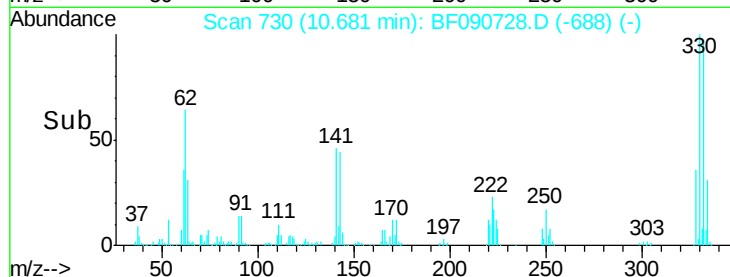
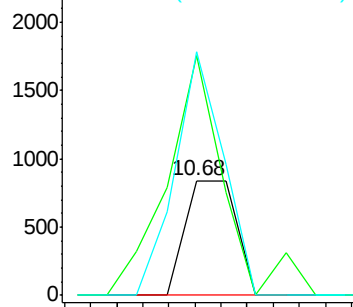
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.35 ng
 RT: 10.68 min Scan# 730
 Delta R.T. 0.18 min
 Lab File: BF090728.D
 Acq: 21 Oct 2016 23:37

Instrument :
 BNA_F
 ClientSampleId :
 MW-101S

Tgt Ion:198 Resp: 1151
 Ion Ratio Lower Upper
 198 100
 51 209.0 39.6 79.6#
 105 212.0 28.5 68.5#

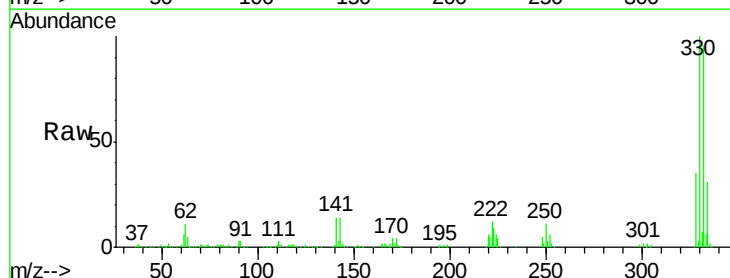


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

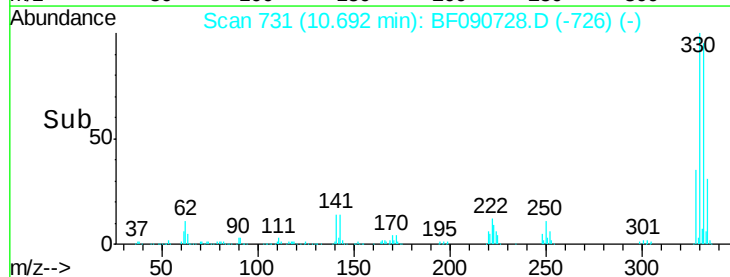
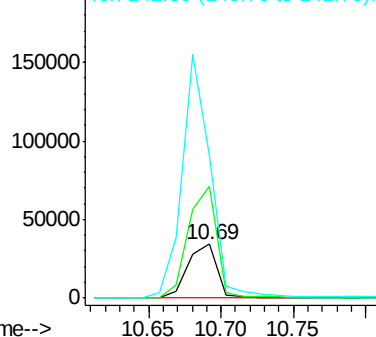


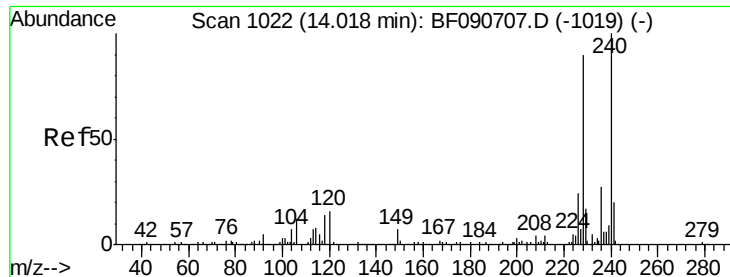
#66
 4-Bromophenyl-phenylether
 Concen: 5.29 ng
 RT: 10.69 min Scan# 731
 Delta R.T. -0.24 min
 Lab File: BF090728.D
 Acq: 21 Oct 2016 23:37

Tgt Ion:248 Resp: 47679
 Ion Ratio Lower Upper
 248 100
 250 205.6 78.5 117.7#
 141 262.7 59.0 88.6#



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: 20.00 ng

RT: 14.02 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF090728.D

Acq: 21 Oct 2016 23:37

Instrument :

BNA_F

ClientSampleId :

MW-101S

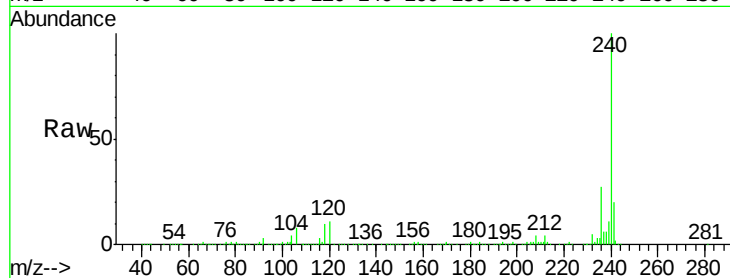
Tgt Ion:240 Resp: 717847

Ion Ratio Lower Upper

240 100

120 11.3 16.2 24.2#

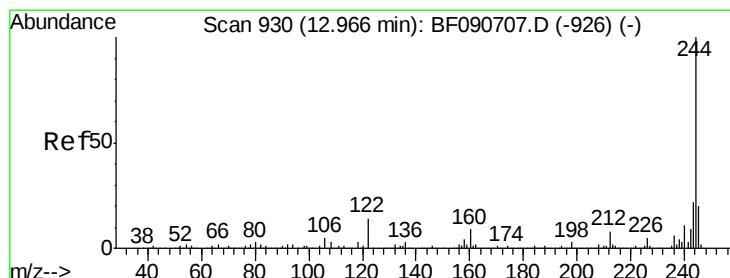
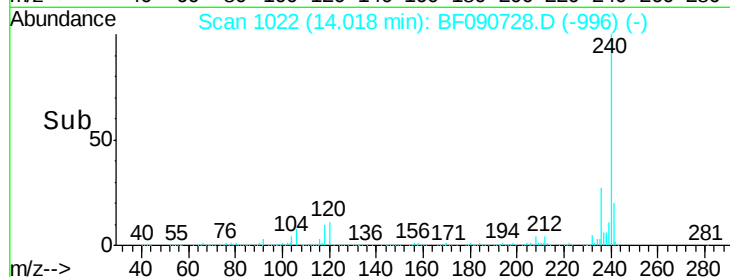
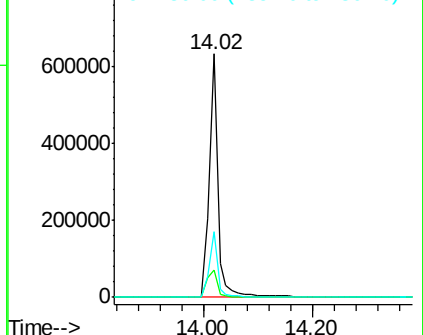
236 27.2 18.4 27.6



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



#78

Terphenyl-d14

Concen: 89.87 ng

RT: 12.97 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF090728.D

Acq: 21 Oct 2016 23:37

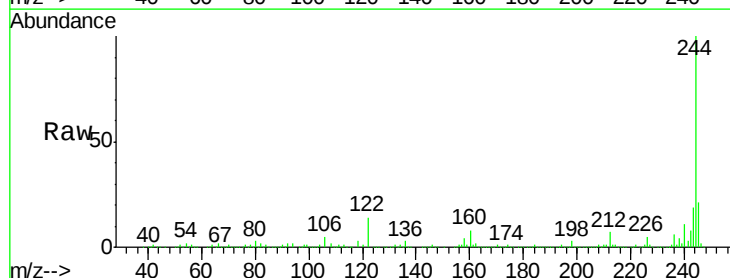
Tgt Ion:244 Resp: 2814782

Ion Ratio Lower Upper

244 100

212 7.4 4.3 6.5#

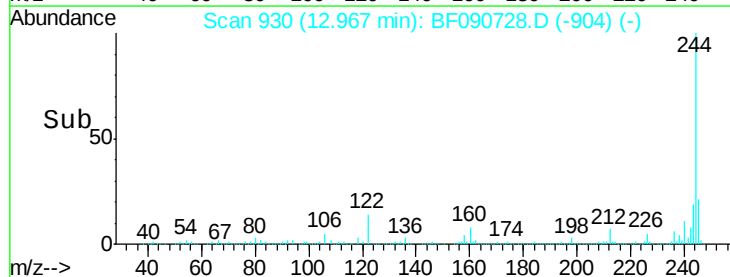
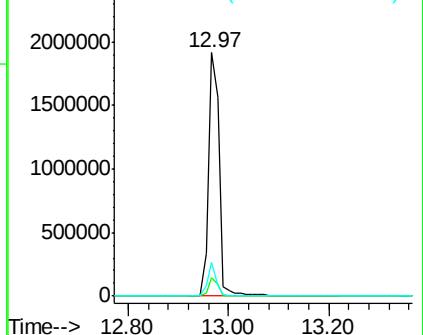
122 13.8 17.4 26.2#

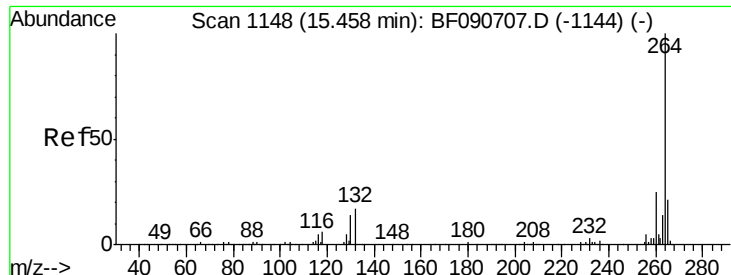


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



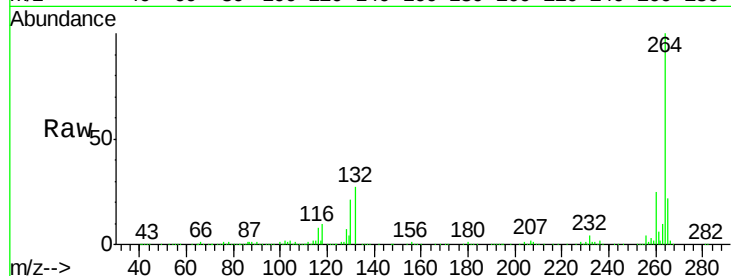


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF090728.D
Acq: 21 Oct 2016 23:37

Instrument :
BNA_F
ClientSampleId :
MW-101S

Tgt Ion: 264 Resp: 459473

Ion	Ratio	Lower	Upper
264	100		
260	24.6	16.7	25.1
265	22.3	17.2	25.8



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

