

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088353.D
 Acq On : 25 Jun 2016 1:40
 Operator : UM/SJ
 Sample : H3607-05RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TE-MW-2-23D

Quant Time: Jun 25 03:43:53 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

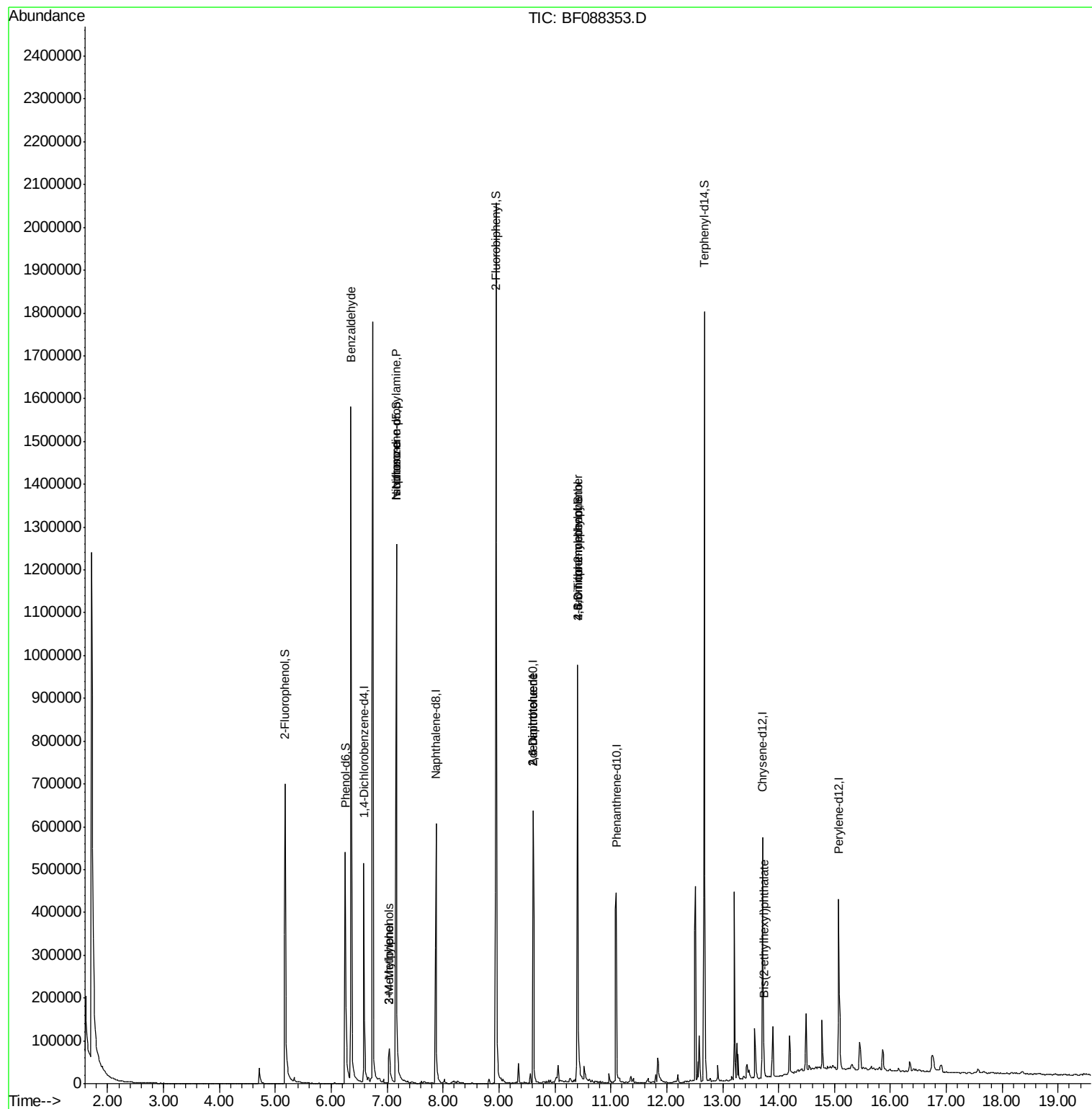
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	102404	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	395366	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	165167	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	269878	20.00	ng	-0.02
75) Chrysene-d12	13.71	240	218406	20.00	ng	-0.03
86) Perylene-d12	15.07	264	169172	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	354704	59.21	ng	0.00
7) Phenol-d6	6.25	99	288859	39.79	ng	-0.01
23) Nitrobenzene-d5	7.16	82	592249	87.47	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	184092	105.56	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	985295	94.32	ng	-0.02
78) Terphenyl-d14	12.67	244	616088	64.19	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.35	77	11402	2.36	ng	# 70
10) Phenol	6.26	94	1333	Below Cal	#	1
17) 2-Methylphenol	7.04	107	49727	8.65	ng	# 70
19) n-Nitroso-di-n-propylamine	7.16	70	75996	16.36	ng	# 67
20) 3+4-Methylphenols	7.04	107	55384	8.26	ng	# 73
25) Isophorone	7.16	82	579256	46.19	ng	# 65
45) 1,1'-Biphenyl	8.95	154	1896	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.61	165	20575	7.51	ng	# 37
56) 2,4-Dinitrotoluene	9.61	165	20575	5.84	ng	# 36
57) Fluorene	10.16	166	222	Below Cal	#	90
64) 4,6-Dinitro-2-methylphenol	10.41	198	226	2.29	ng	# 21
66) 4-Bromophenyl-phenylether	10.41	248	11514	3.98	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.74	149	31094	3.56	ng	# 98

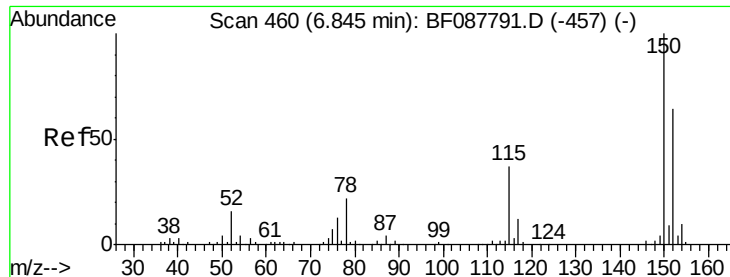
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

Instrument :

BNA_F

ClientSampleId :

TE-MW-2-23D

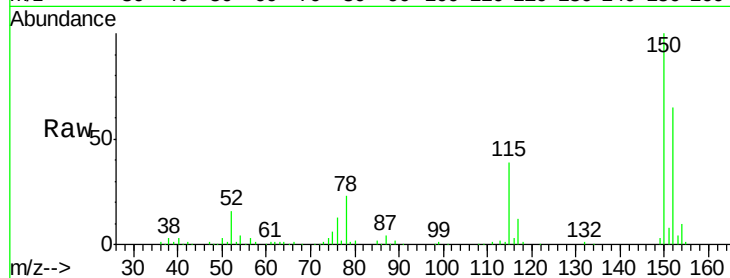
Tgt Ion:152 Resp: 102404

Ion Ratio Lower Upper

152 100

150 154.9 123.8 185.6

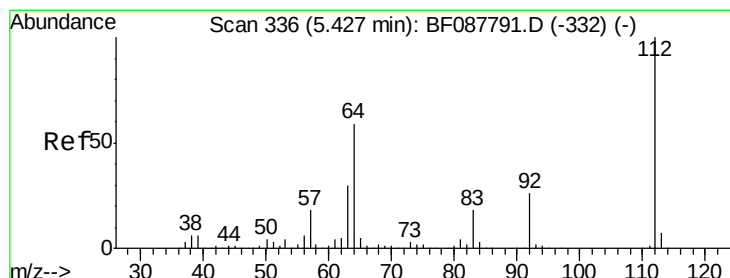
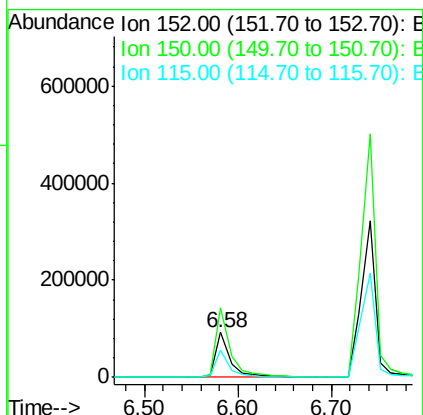
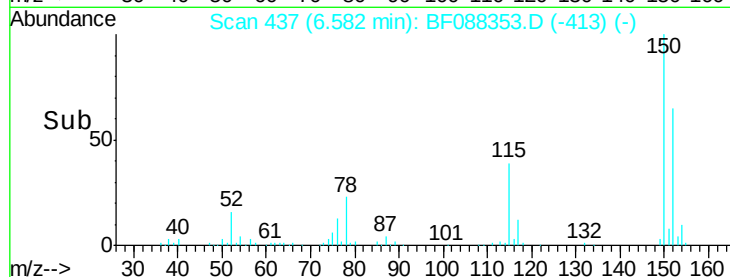
115 59.9 39.6 59.4#



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



#5

2-Fluorophenol

Concen: 59.21 ng

RT: 5.18 min Scan# 314

Delta R.T. -0.00 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

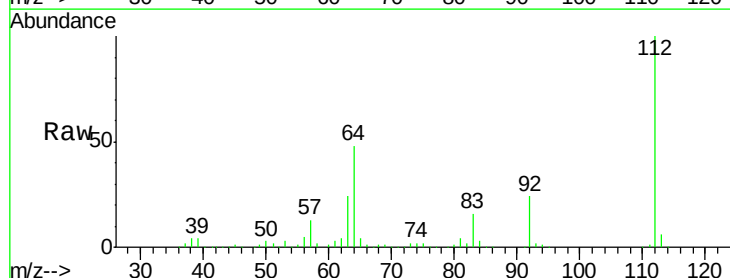
Tgt Ion:112 Resp: 354704

Ion Ratio Lower Upper

112 100

64 47.6 42.2 63.2

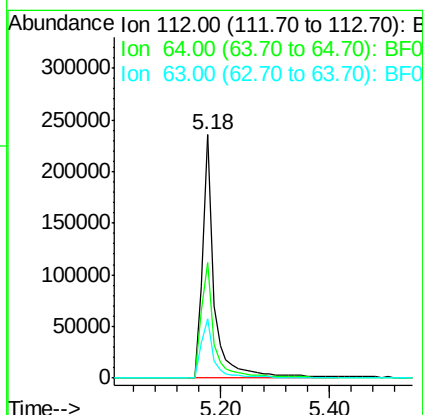
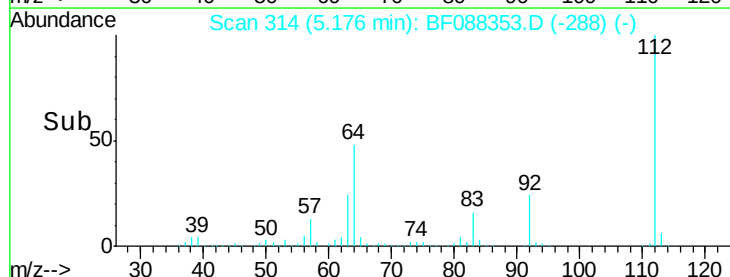
63 24.1 21.8 32.8

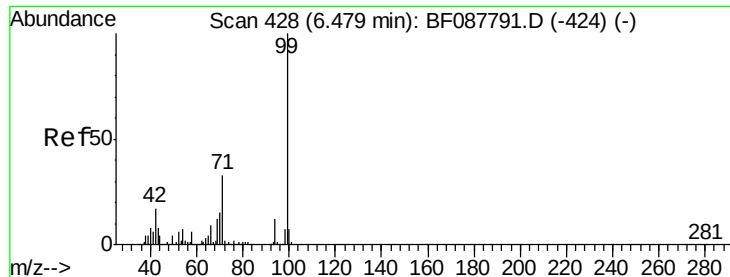


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.79 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

Instrument :

BNA_F

ClientSampleId :

TE-MW-2-23D

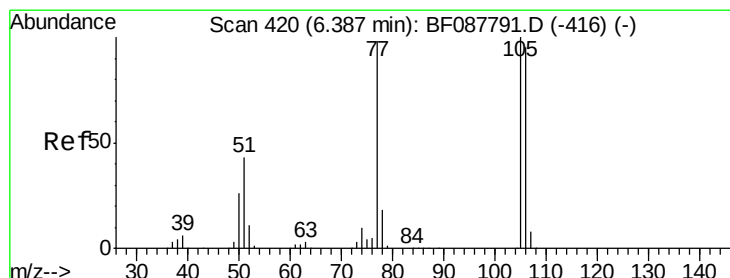
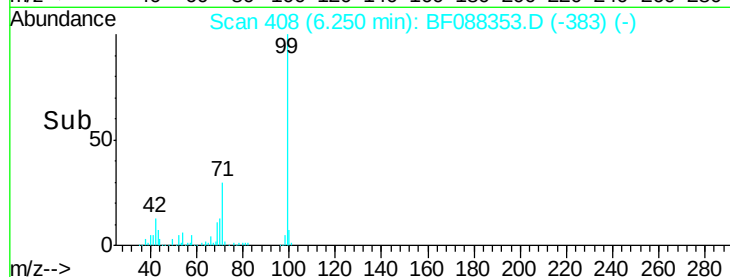
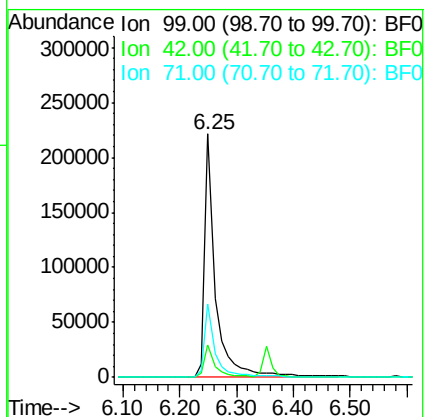
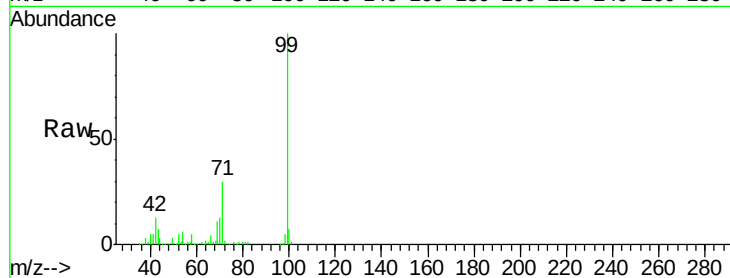
Tgt Ion: 99 Resp: 288859

Ion Ratio Lower Upper

99 100

42 13.2 12.2 18.2

71 30.4 23.4 35.0



#9

Benzaldehyde

Concen: 2.36 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.21 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

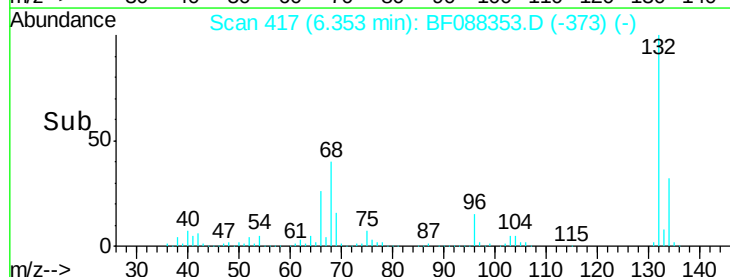
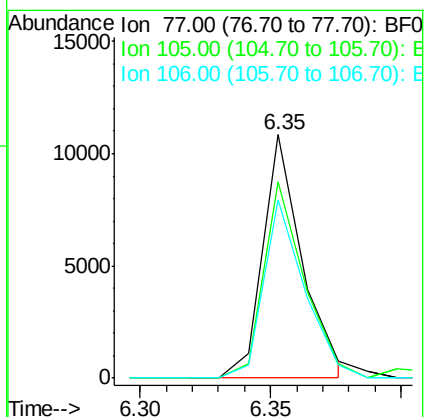
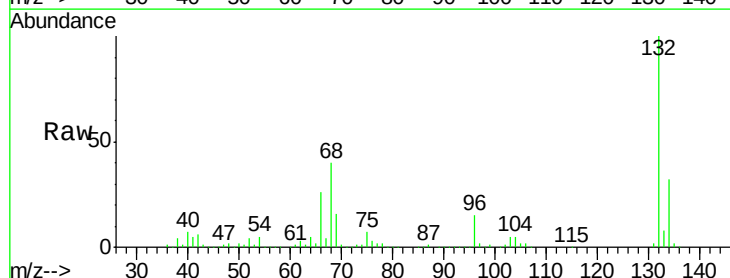
Tgt Ion: 77 Resp: 11402

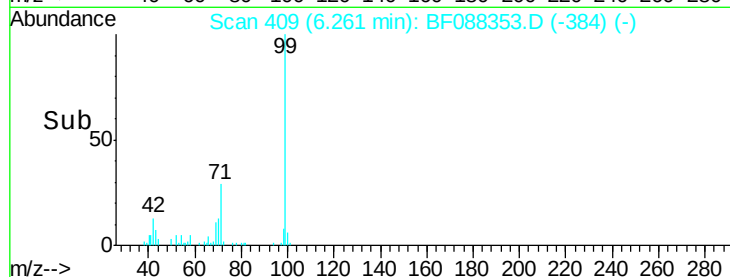
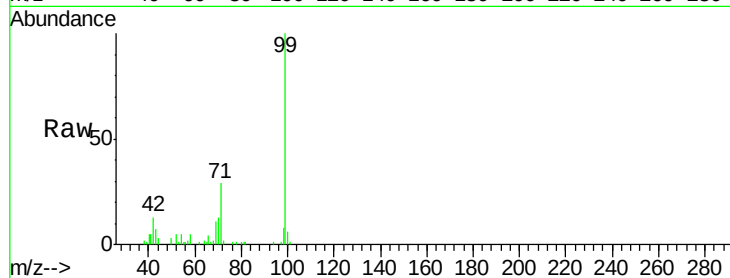
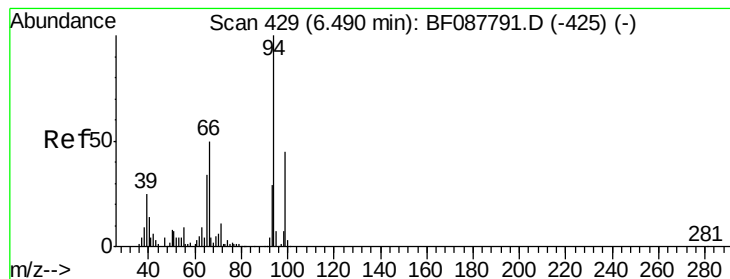
Ion Ratio Lower Upper

77 100

105 80.5 90.6 130.6#

106 73.3 85.3 125.3#





#10

Phenol

Concen: Below Cal

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

Instrument :

BNA_F

ClientSampleId :

TE-MW-2-23D

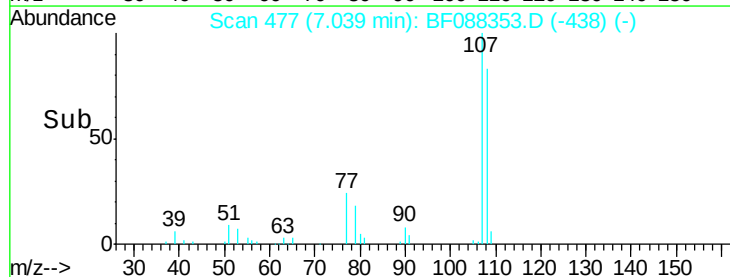
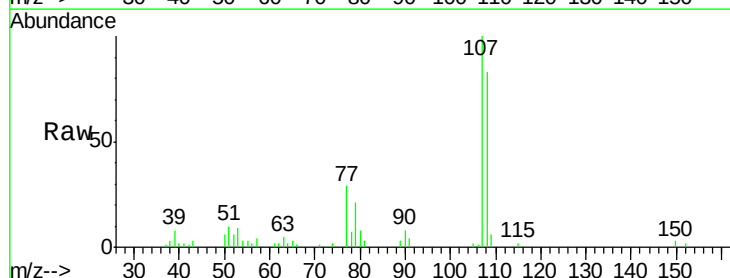
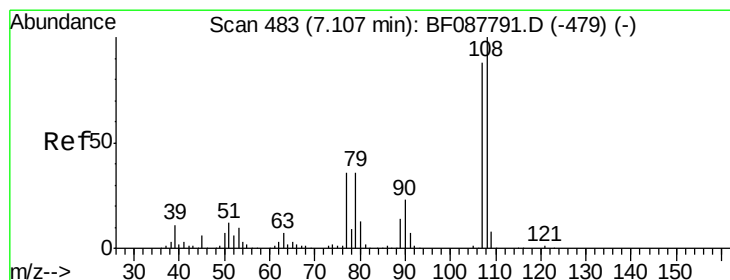
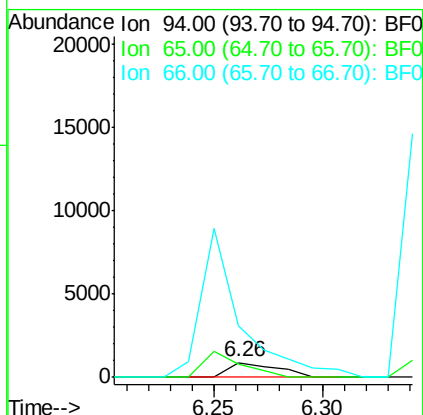
Tgt Ion: 94 Resp: 1333

Ion Ratio Lower Upper

94 100

65 95.4 5.9 45.9#

66 354.1 14.0 54.0#



#17

2-Methylphenol

Concen: 8.65 ng

RT: 7.04 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

Tgt Ion: 107 Resp: 49727

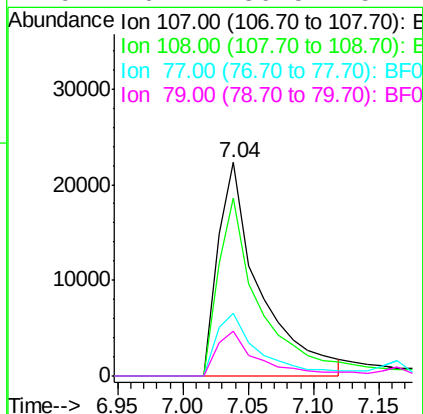
Ion Ratio Lower Upper

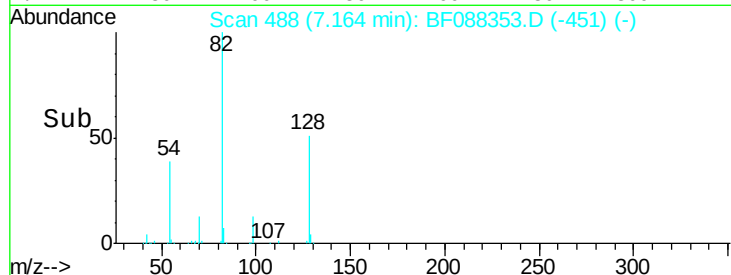
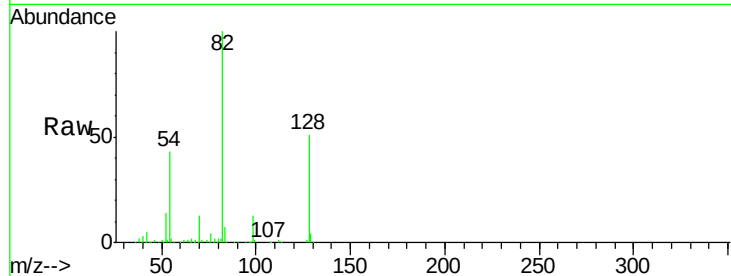
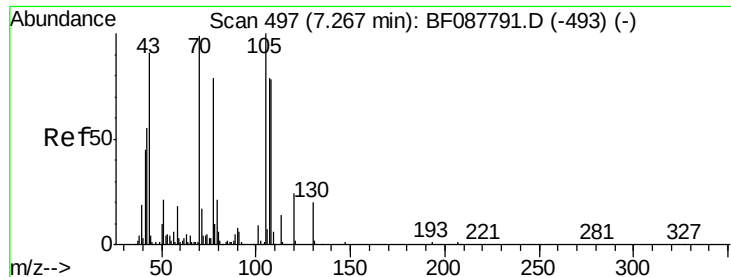
107 100

108 83.5 90.9 136.3#

77 29.1 36.6 55.0#

79 20.7 36.5 54.7#

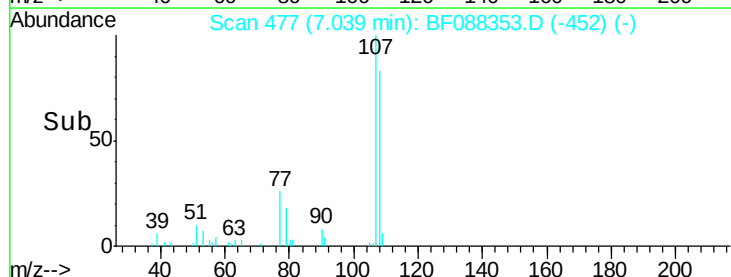
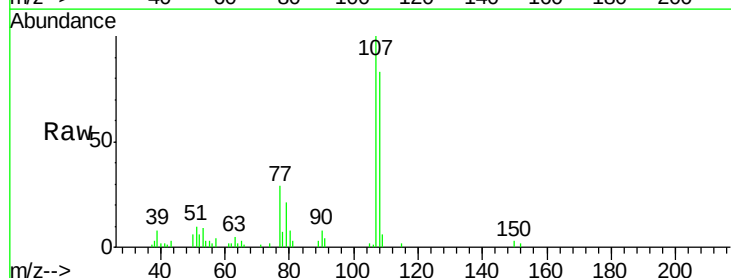
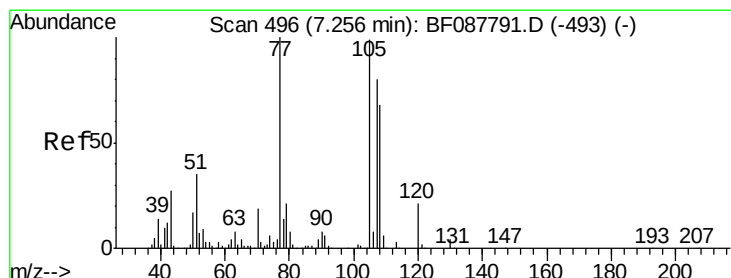
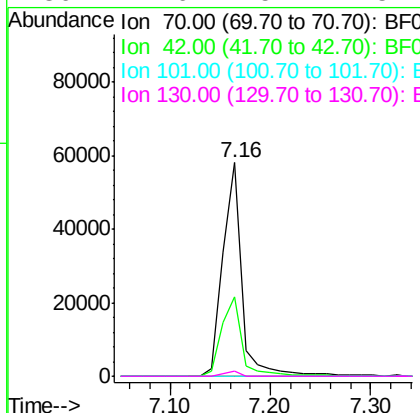




#19
n-Nitroso-di-n-propylamine
Concen: 16.36 ng
RT: 7.16 min Scan# 488
Delta R.T. 0.13 min
Lab File: BF088353.D
Acq: 25 Jun 2016 1:40

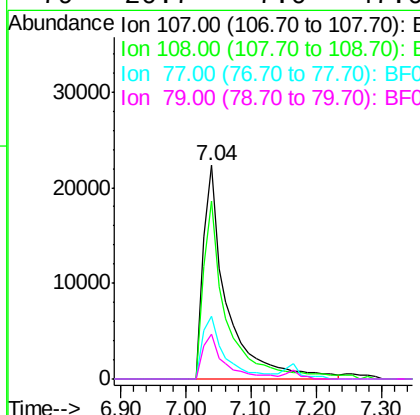
Instrument :
BNA_F
ClientSampleId :
TE-MW-2-23D

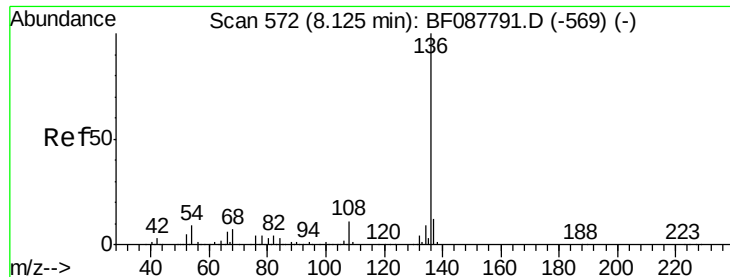
Tgt Ion: 70 Resp: 75996
Ion Ratio Lower Upper
70 100
42 37.1 49.6 74.4#
101 0.0 7.1 10.7#
130 2.6 15.4 23.2#



#20
3+4-Methylphenols
Concen: 8.26 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.01 min
Lab File: BF088353.D
Acq: 25 Jun 2016 1:40

Tgt Ion: 107 Resp: 55384
Ion Ratio Lower Upper
107 100
108 83.5 67.8 107.8
77 29.1 59.3 99.3#
79 20.7 7.0 47.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.87 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

Instrument :

BNA_F

ClientSampleId :

TE-MW-2-23D

Tgt Ion: 136 Resp: 395366

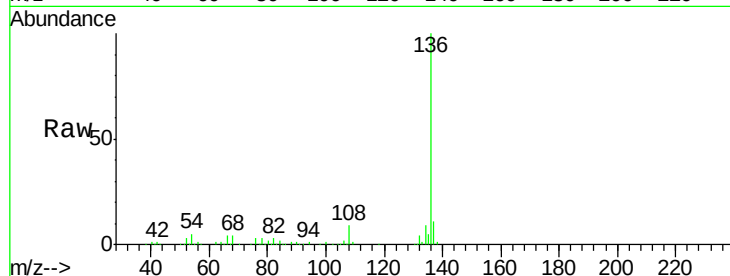
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.1 6.6 10.0#

68 4.4 5.1 7.7#

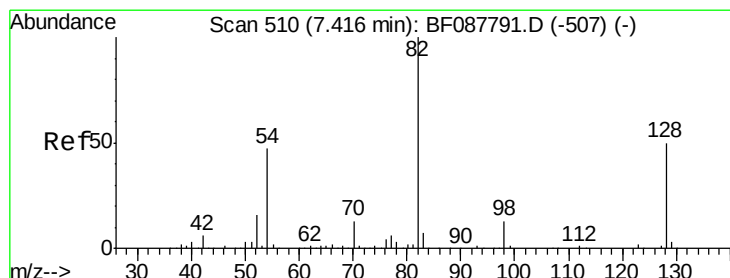
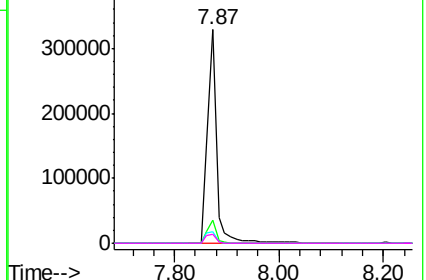
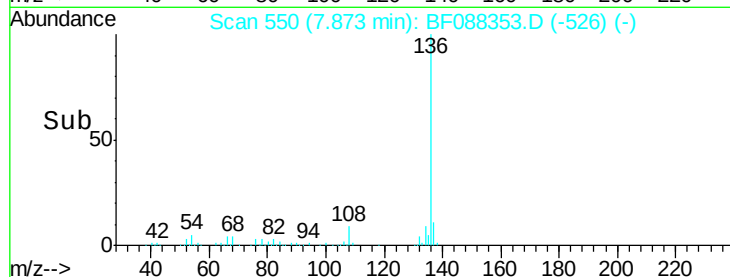


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.47 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

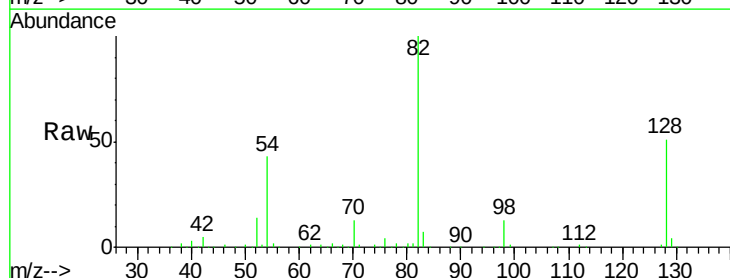
Tgt Ion: 82 Resp: 592249

Ion Ratio Lower Upper

82 100

128 51.1 35.9 53.9

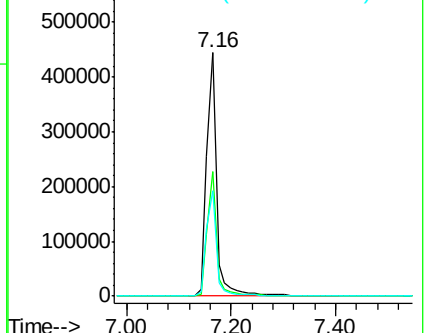
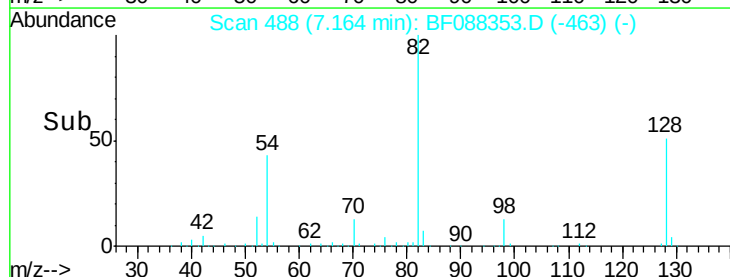
54 43.4 40.9 61.3

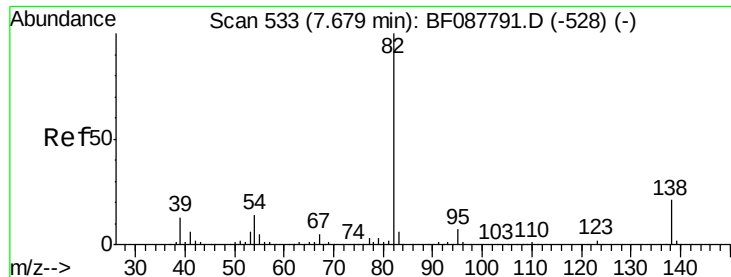


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 46.19 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.27 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

Instrument :

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TE-MW-2-23D

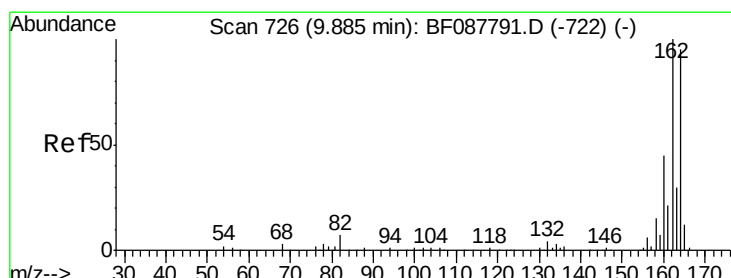
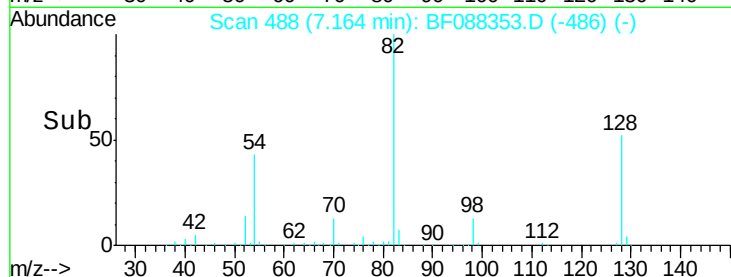
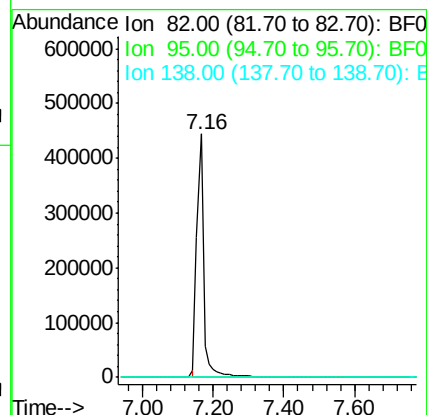
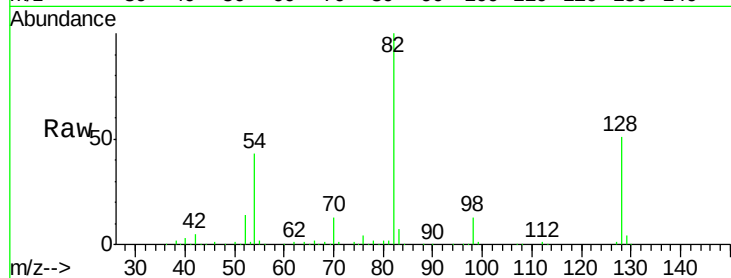
Tgt Ion: 82 Resp: 579256

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

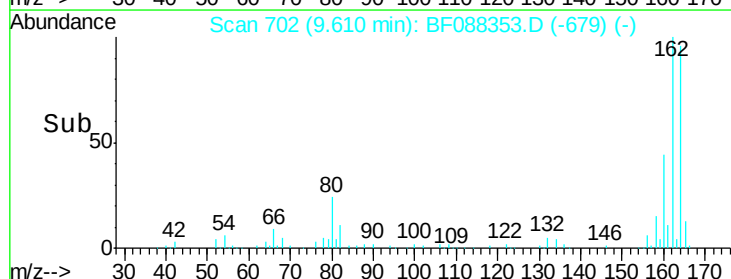
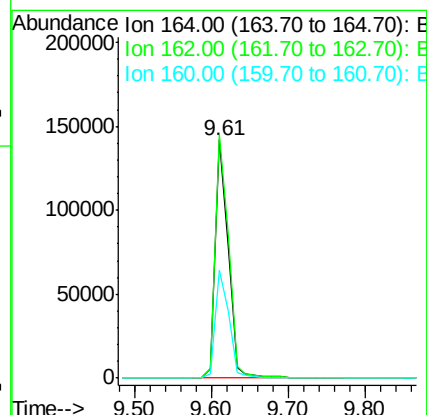
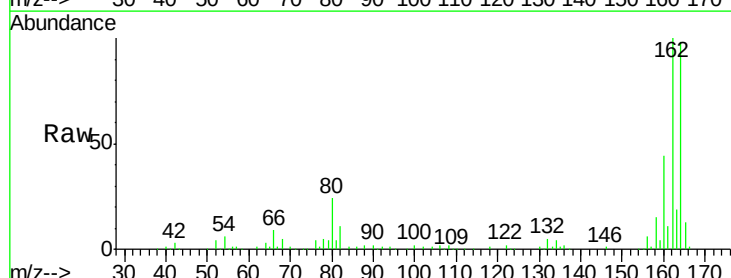
Tgt Ion: 164 Resp: 165167

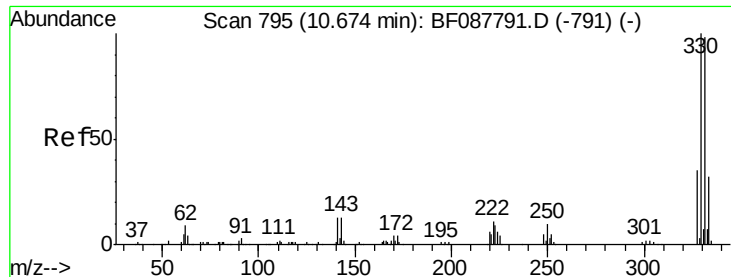
Ion Ratio Lower Upper

164 100

162 102.1 85.4 128.2

160 45.3 39.5 59.3

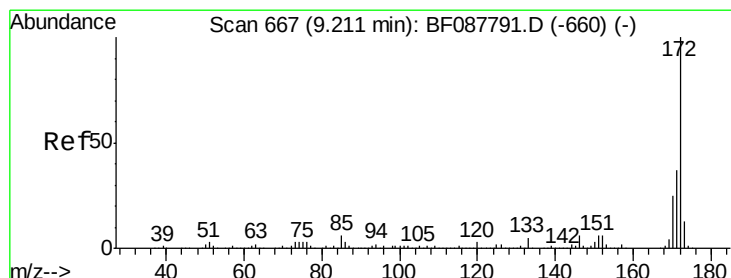
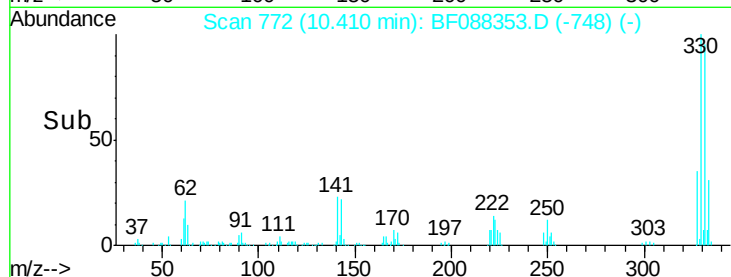
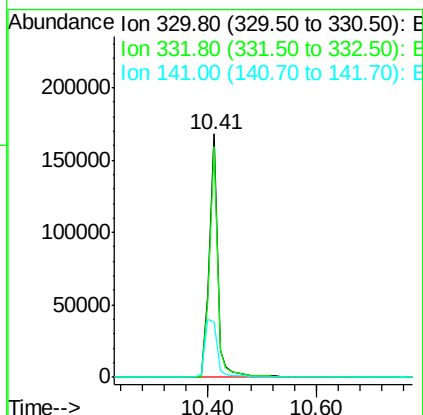
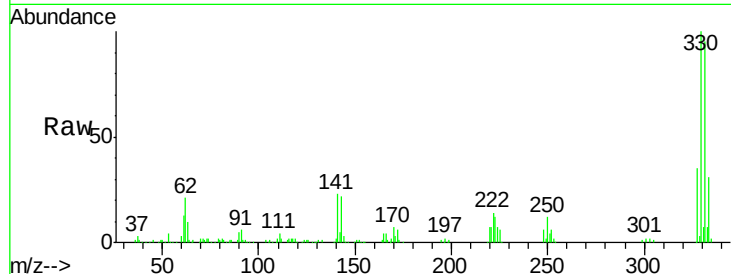




#41
 2,4,6-Tribromophenol
 Concen: 105.56 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088353.D
 Acq: 25 Jun 2016 1:40

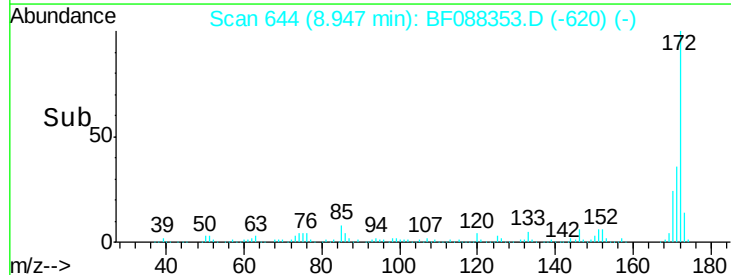
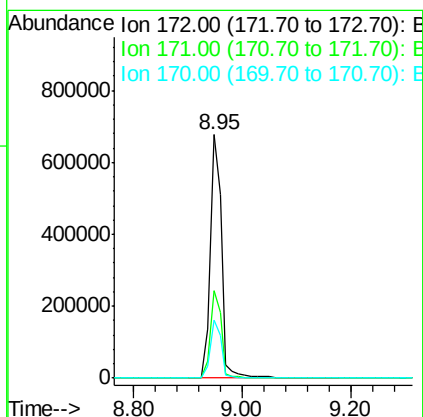
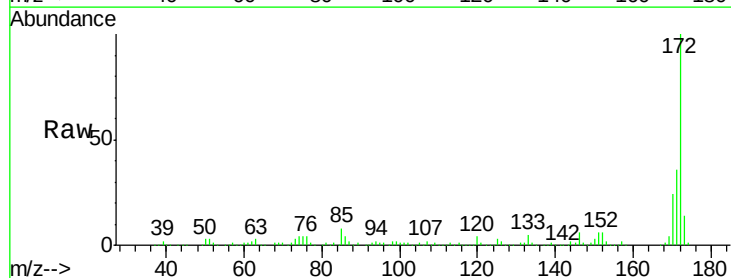
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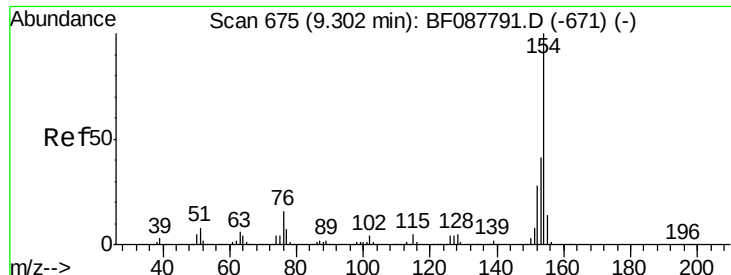
Tgt Ion:330 Resp: 184092
 Ion Ratio Lower Upper
 330 100
 332 94.4 0.0 0.0#
 141 34.5 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 94.32 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF088353.D
 Acq: 25 Jun 2016 1:40

Tgt Ion:172 Resp: 985295
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 24.0 19.2 28.8





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 8.95 min Scan# 644

Delta R.T. -0.13 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

Instrument :

BNA_F

ClientSampleId :

TE-MW-2-23D

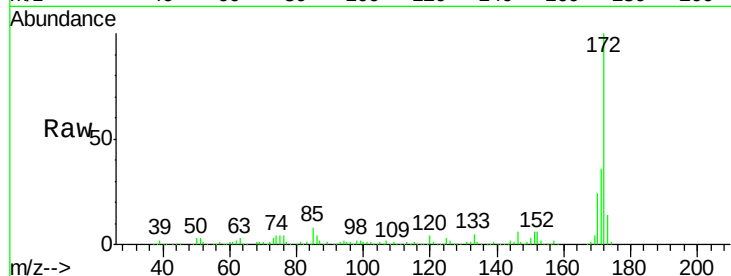
Tgt Ion:154 Resp: 1896

Ion Ratio Lower Upper

154 100

153 871.4 20.6 60.6#

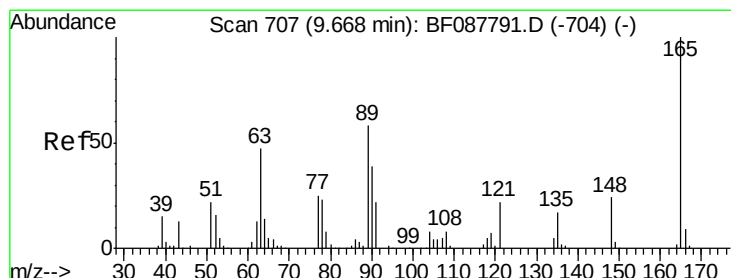
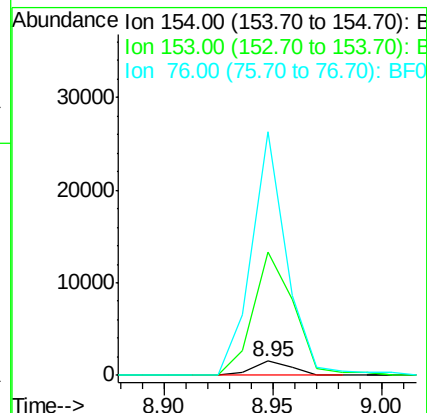
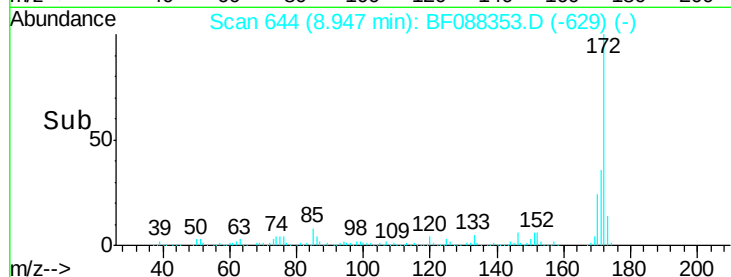
76 1727.1 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#50

2,6-Dinitrotoluene

Concen: 7.51 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.16 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

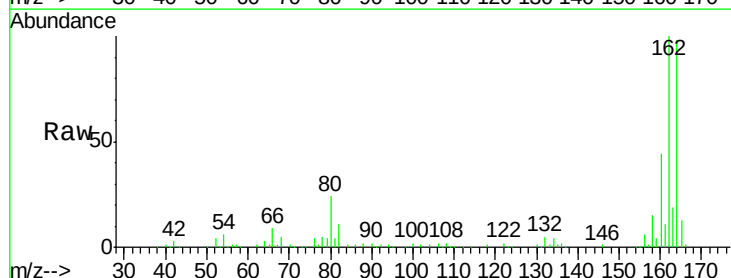
Tgt Ion:165 Resp: 20575

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

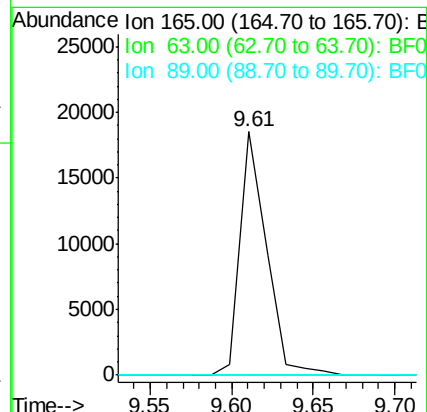
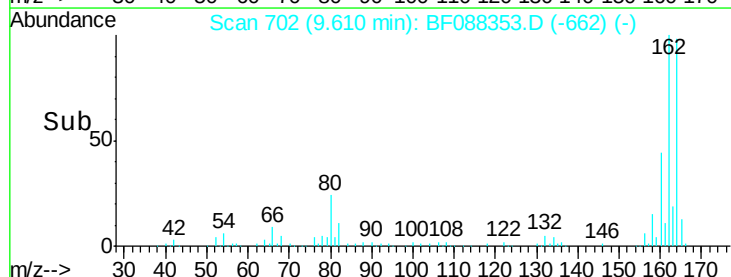
89 0.0 32.2 48.2#

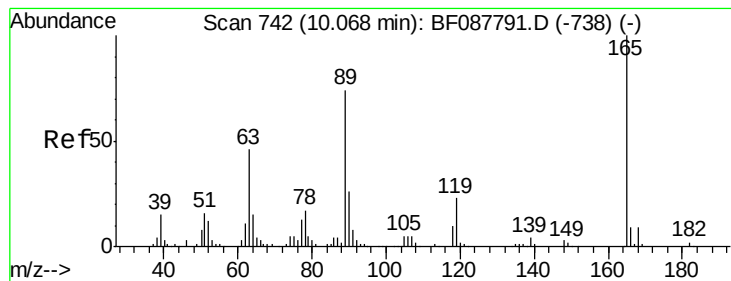


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.84 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.24 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

Instrument :

BNA_F

ClientSampleId :

TE-MW-2-23D

Tgt Ion:165 Resp: 20575

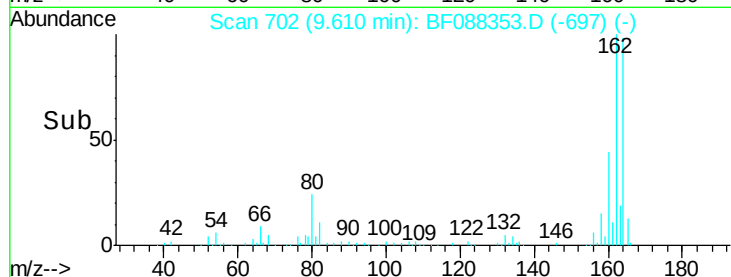
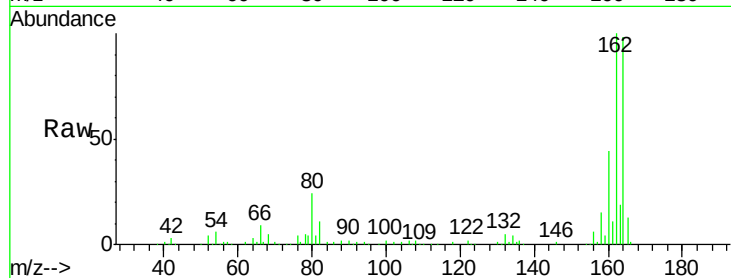
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

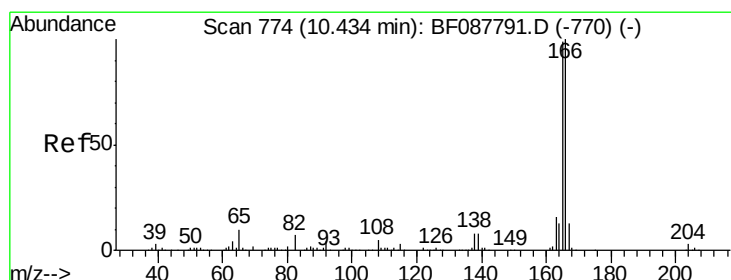
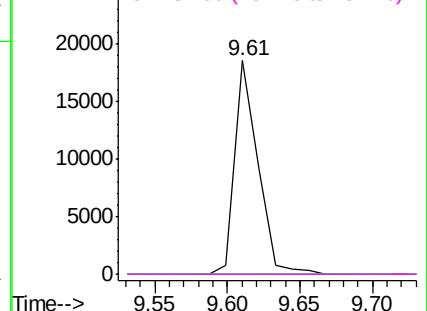


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

RT: 10.16 min Scan# 750

Delta R.T. -0.03 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

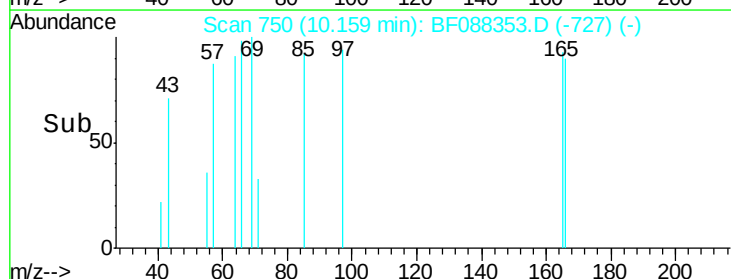
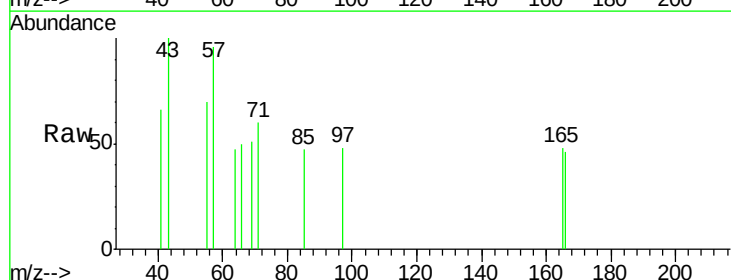
Tgt Ion:166 Resp: 222

Ion Ratio Lower Upper

166 100

165 103.7 77.8 116.8

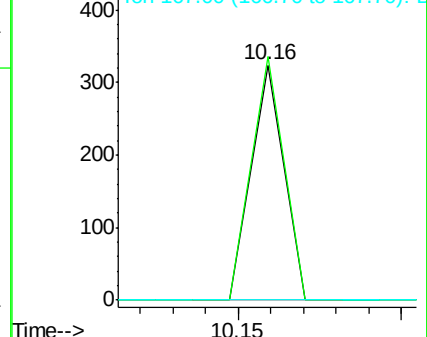
167 0.0 11.2 16.8#

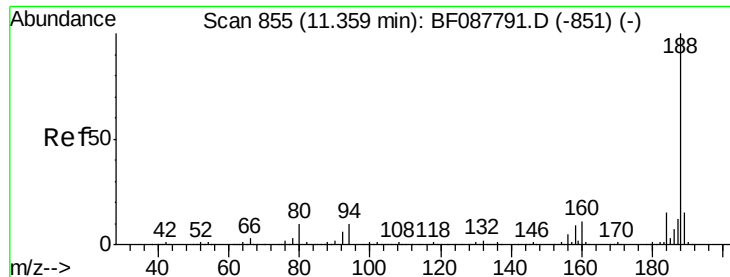


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

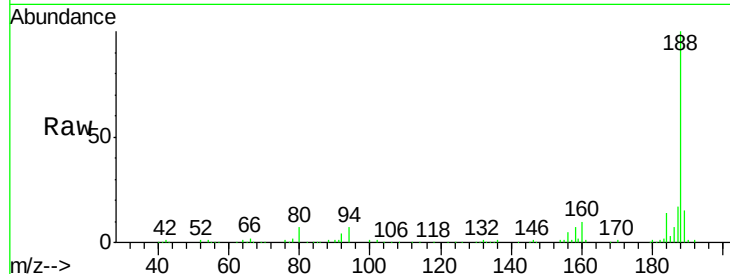




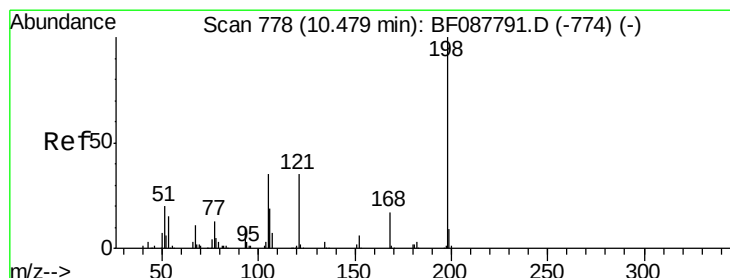
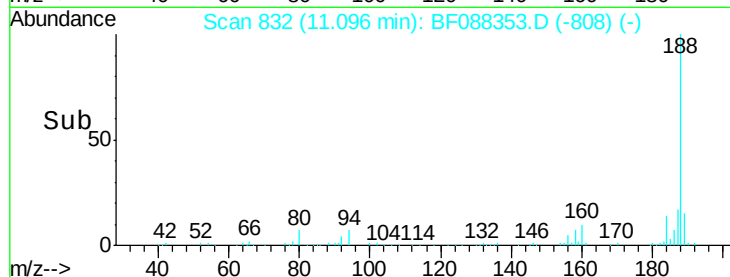
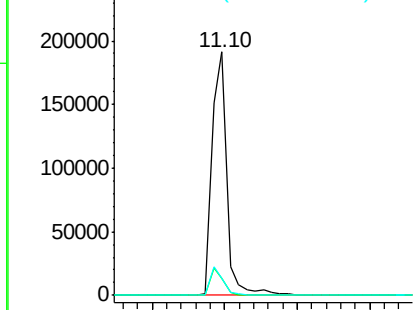
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.02 min
Lab File: BF088353.D
Acq: 25 Jun 2016 1:40

Instrument :
BNA_F
ClientSampleId :
TE-MW-2-23D

Tgt Ion:188 Resp: 269878
Ion Ratio Lower Upper
188 100
94 7.0 9.0 13.6#
80 7.1 10.0 15.0#

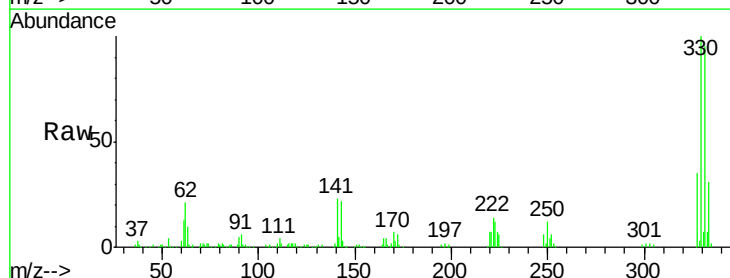


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

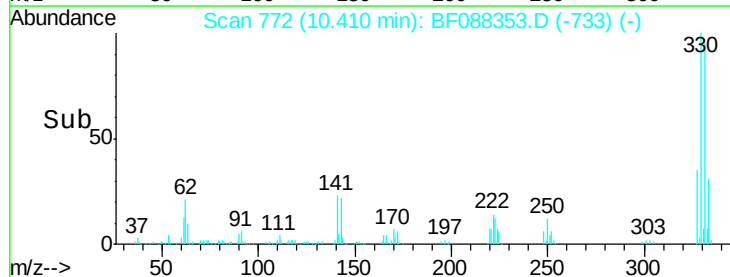
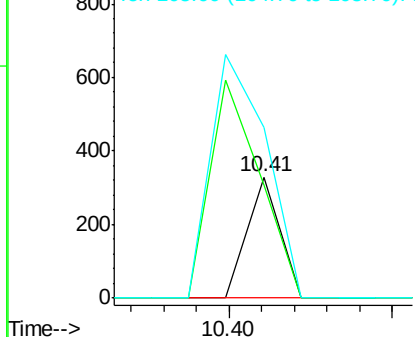


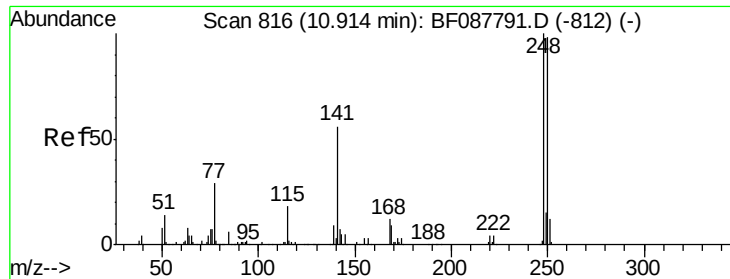
#64
4,6-Dinitro-2-methylphenol
Concen: 2.29 ng
RT: 10.41 min Scan# 772
Delta R.T. 0.15 min
Lab File: BF088353.D
Acq: 25 Jun 2016 1:40

Tgt Ion:198 Resp: 226
Ion Ratio Lower Upper
198 100
51 92.7 39.6 79.6#
105 140.9 36.6 76.6#



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

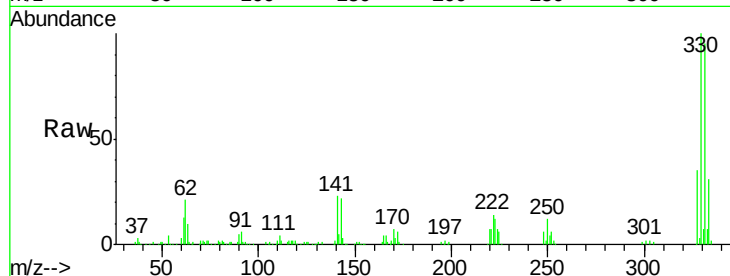




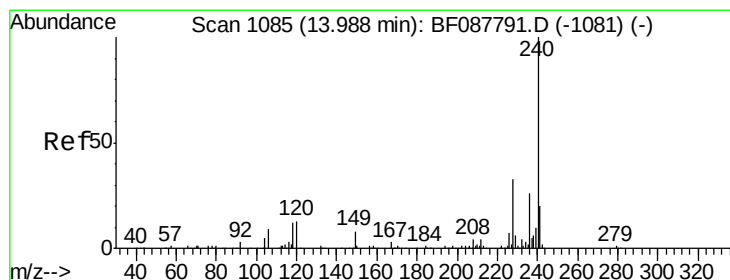
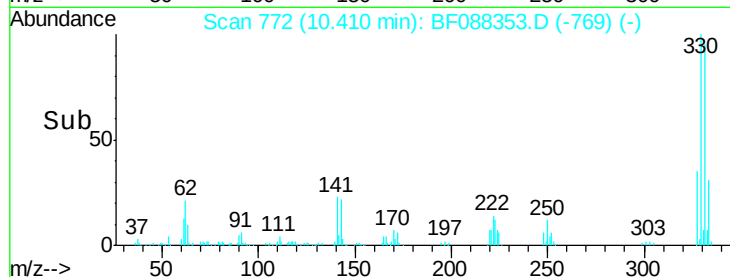
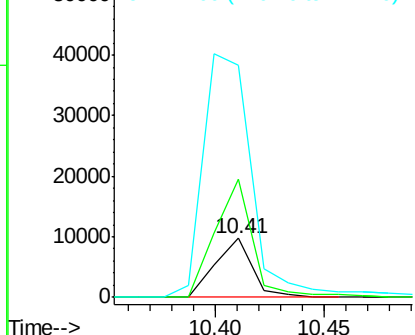
#66
4-Bromophenyl-phenylether
Concen: 3.98 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.26 min
Lab File: BF088353.D
Acq: 25 Jun 2016 1:40

Instrument :
BNA_F
ClientSampleId :
TE-MW-2-23D

Tgt Ion:248 Resp: 11514
Ion Ratio Lower Upper
248 100
250 201.4 77.1 115.7#
141 395.1 50.6 76.0#

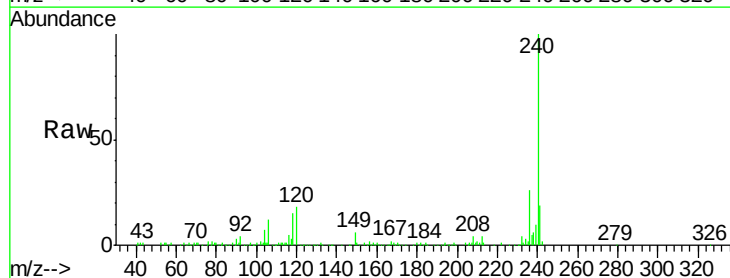


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

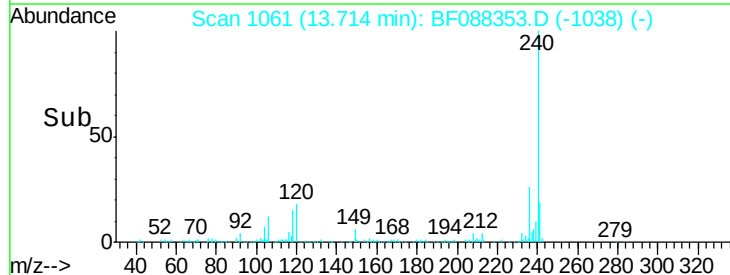
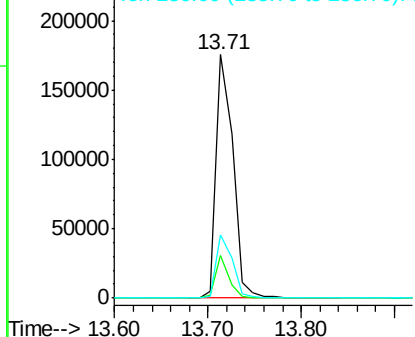


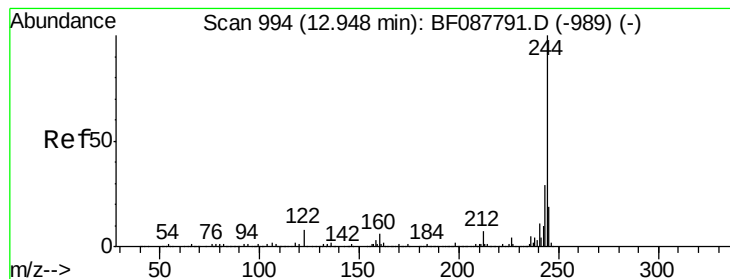
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.71 min Scan# 1061
Delta R.T. -0.03 min
Lab File: BF088353.D
Acq: 25 Jun 2016 1:40

Tgt Ion:240 Resp: 218406
Ion Ratio Lower Upper
240 100
120 17.6 6.8 10.2#
236 25.7 20.2 30.2



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: 64.19 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.02 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

Instrument :

BNA_F

ClientSampleId :

TE-MW-2-23D

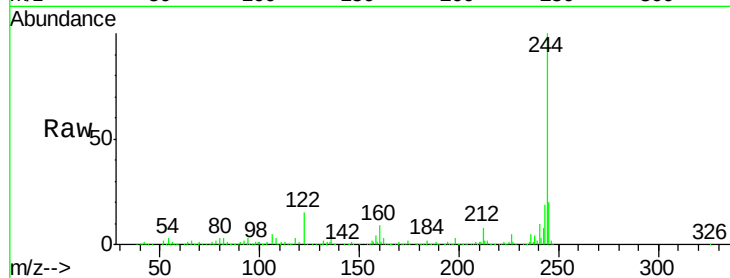
Tgt Ion:244 Resp: 616088

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

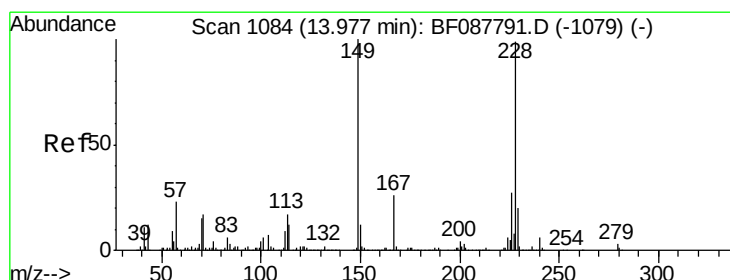
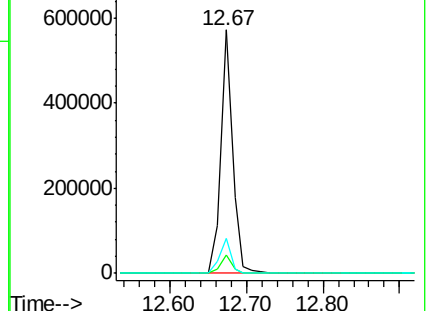
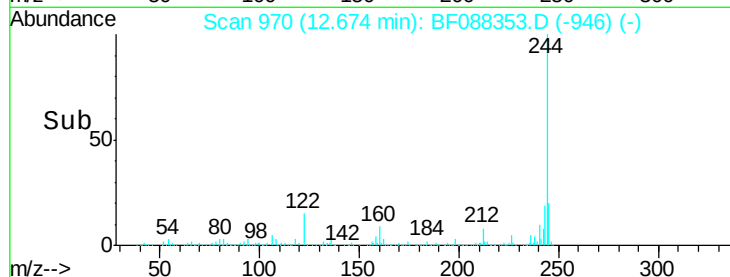
122 14.6 11.2 16.8



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.56 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

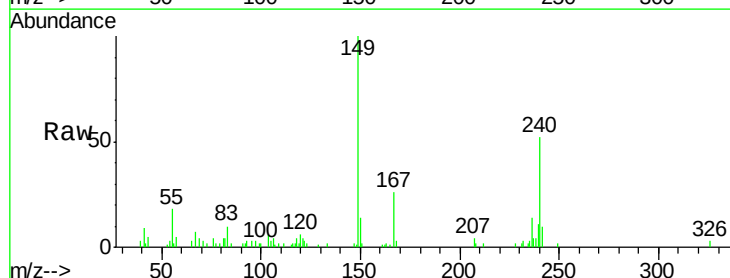
Tgt Ion:149 Resp: 31094

Ion Ratio Lower Upper

149 100

167 26.5 20.5 30.7

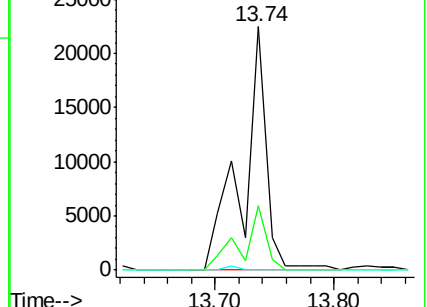
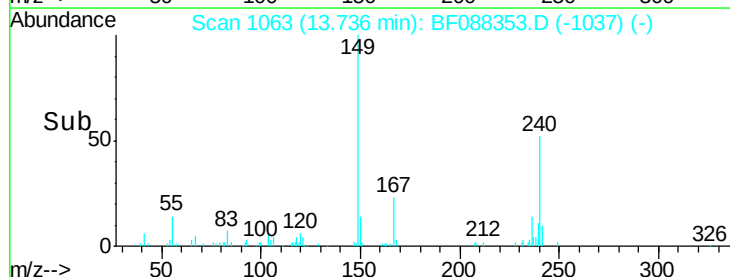
279 0.0 2.0 3.0#

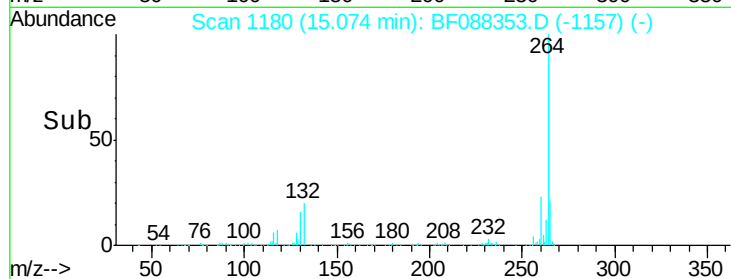
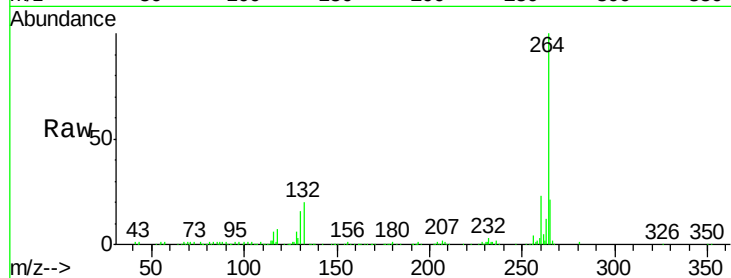
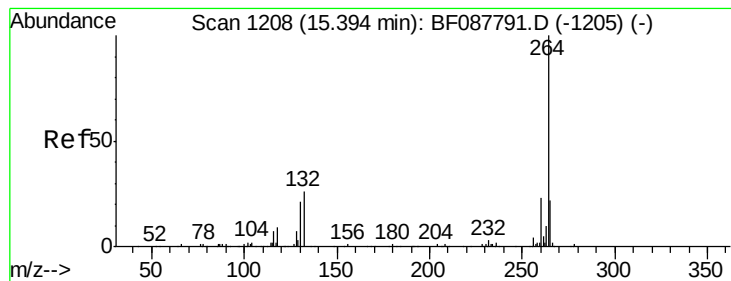


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.03 min

Lab File: BF088353.D

Acq: 25 Jun 2016 1:40

Instrument :

BNA_F

ClientSampleId :

TE-MW-2-23D

Tgt Ion: 264 Resp: 169172

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 20.9 16.9 25.3

