

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
 Data File : BF087016.D
 Acq On : 14 May 2016 13:18
 Operator : UM/SJ
 Sample : H2947-14
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-05

Quant Time: May 16 01:05:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	146435	20.00	ng	-0.08
21) Naphthalene-d8	7.90	136	599401	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	290071	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	531968	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	374563	20.00	ng	-0.09
86) Perylene-d12	15.11	264	306235	20.00	ng	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	618478	71.53	ng	-0.09
7) Phenol-d6	6.27	99	513211	44.41	ng	-0.09
23) Nitrobenzene-d5	7.19	82	1096404	91.85	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	414292	134.91	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	1676512	97.14	ng	-0.08
78) Terphenyl-d14	12.71	244	1555856	88.13	ng	-0.09

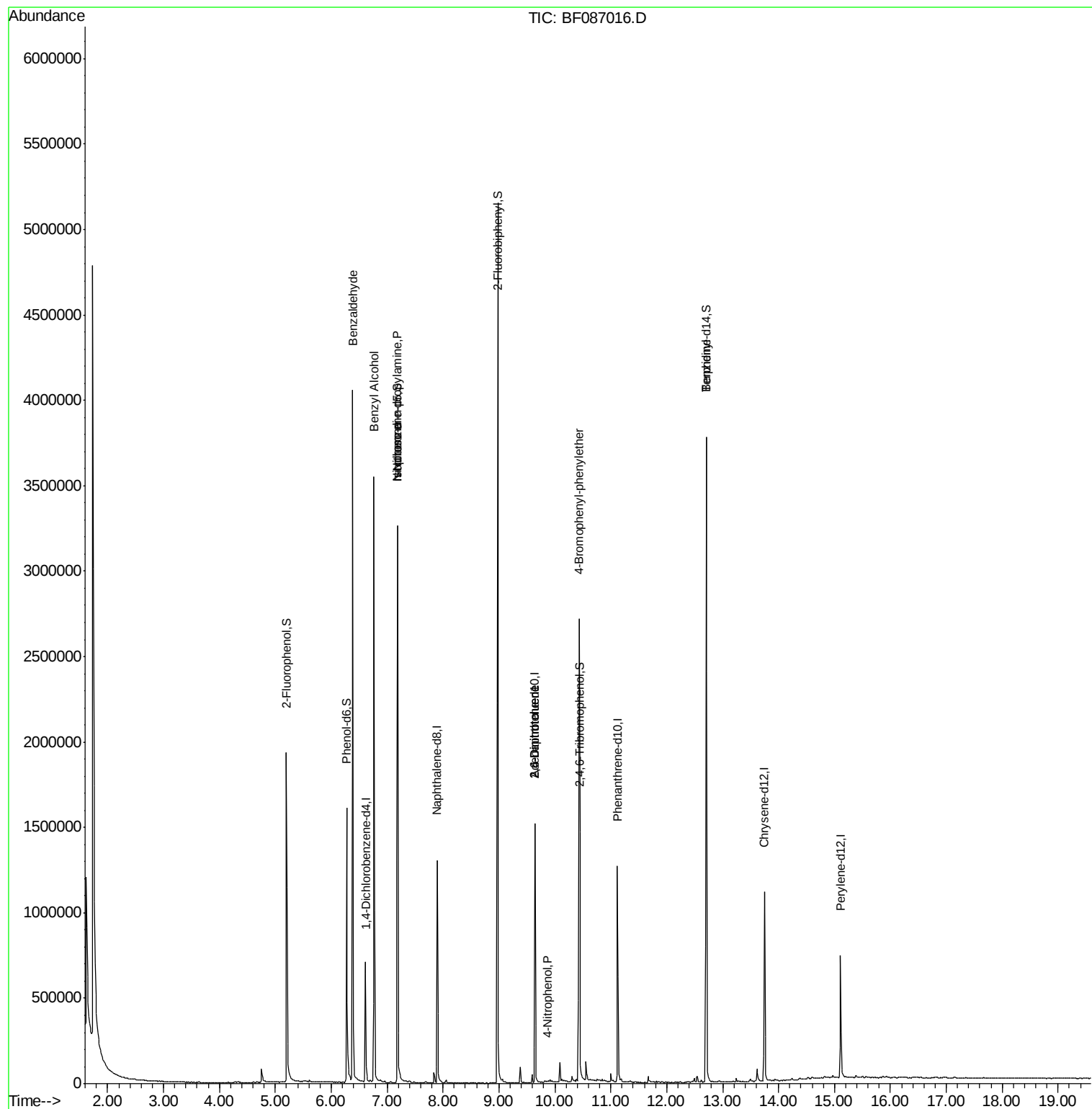
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	30199	4.51	ng	# 79
15) Benzyl Alcohol	6.76	79	17811	2.23	ng	# 42
19) n-Nitroso-di-n-propylamine	7.19	70	157092	19.45	ng	# 73
25) Isophorone	7.19	82	1077836	48.66	ng	# 68
50) 2,6-Dinitrotoluene	9.64	165	37212	7.99	ng	# 21
55) 4-Nitrophenol	9.86	139	296	4.65	ng	# 14
56) 2,4-Dinitrotoluene	9.64	165	37213	6.46	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	23622	4.38	ng	# 1
76) Benzidine	12.71	184	23323	2.44	ng	100

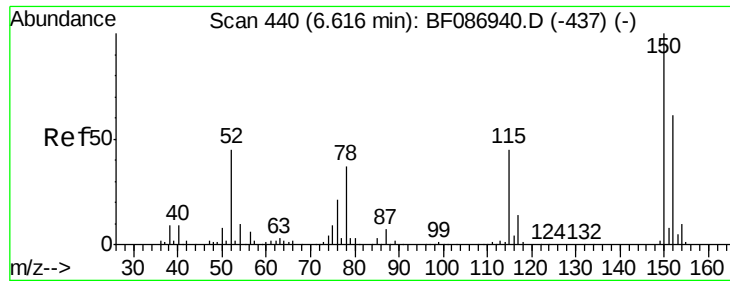
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.08 min

Lab File: BF087016.D

Acq: 14 May 2016 13:18

Instrument :

BNA_F

ClientSampled :

MW-05

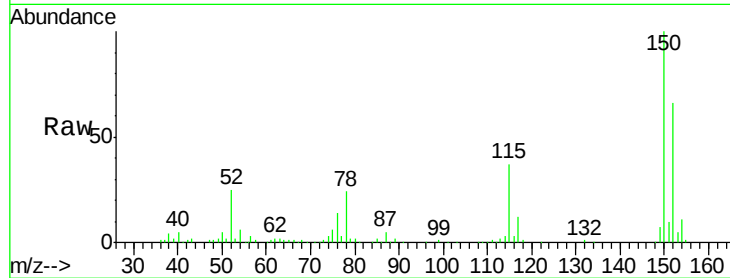
Tgt Ion:152 Resp: 146435

Ion Ratio Lower Upper

152 100

150 152.4 125.8 188.6

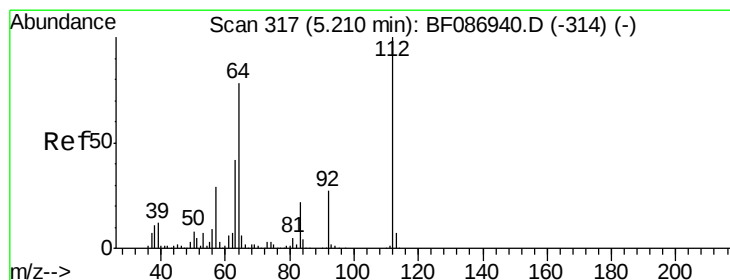
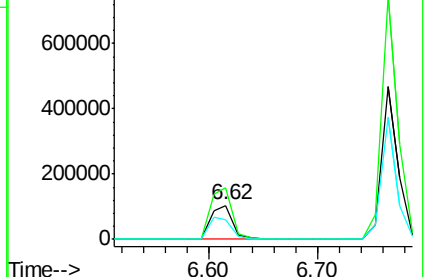
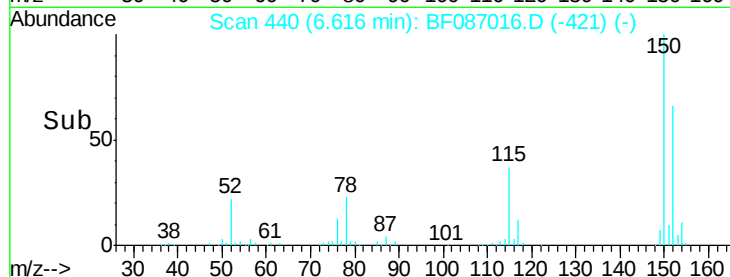
115 56.9 51.5 77.3



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: 71.53 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.09 min

Lab File: BF087016.D

Acq: 14 May 2016 13:18

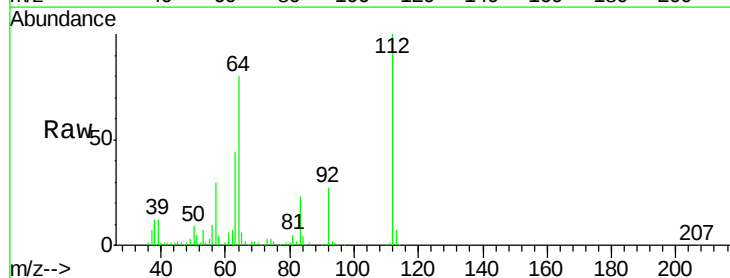
Tgt Ion:112 Resp: 618478

Ion Ratio Lower Upper

112 100

64 80.2 52.1 78.1#

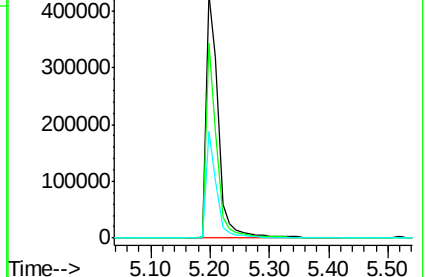
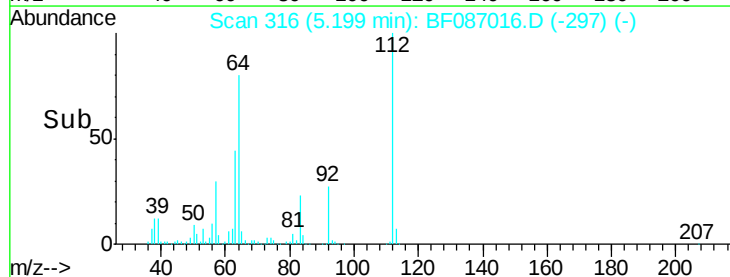
63 43.6 25.7 38.5#



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: 44.41 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF087016.D

Acq: 14 May 2016 13:18

Instrument :

BNA_F

ClientSampleId :

MW-05

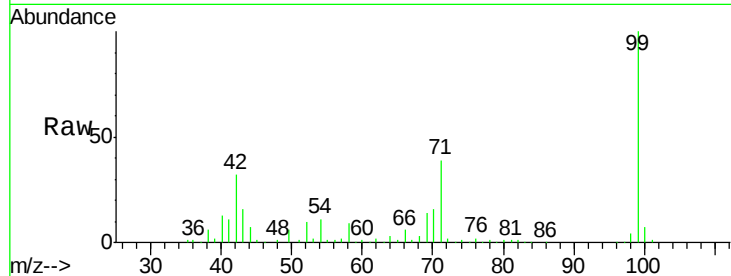
Tgt Ion: 99 Resp: 513211

Ion Ratio Lower Upper

99 100

42 31.6 13.6 20.4#

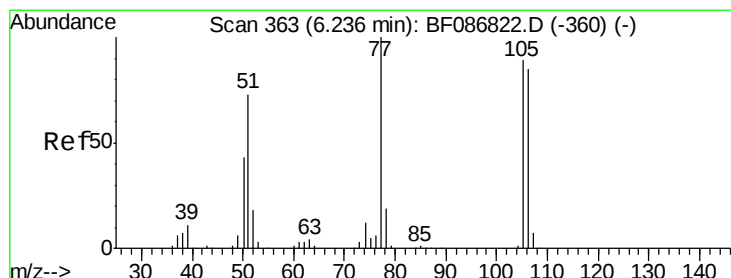
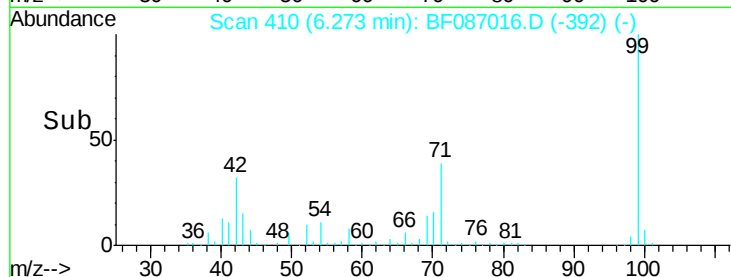
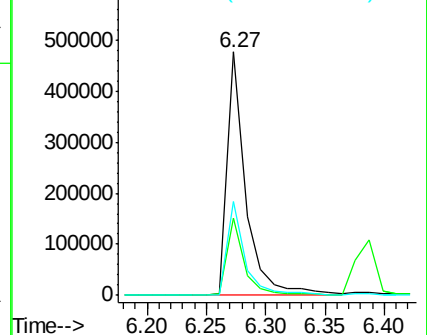
71 38.8 24.6 36.8#



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: 4.51 ng

RT: 6.39 min Scan# 420

Delta R.T. 0.15 min

Lab File: BF087016.D

Acq: 14 May 2016 13:18

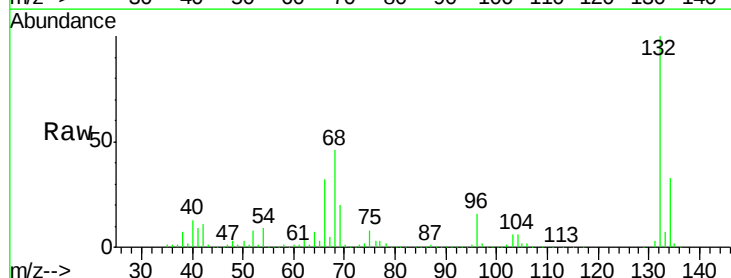
Tgt Ion: 77 Resp: 30199

Ion Ratio Lower Upper

77 100

105 77.2 72.7 112.7

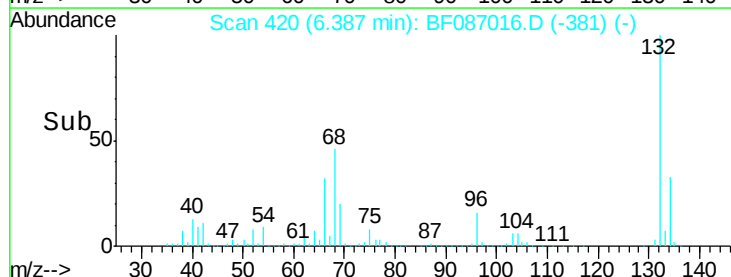
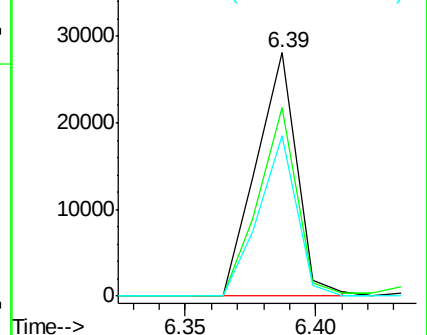
106 65.8 70.8 110.8#

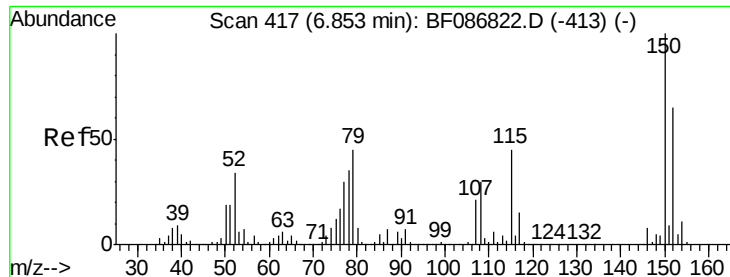


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.23 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.09 min

Lab File: BF087016.D

Acq: 14 May 2016 13:18

Instrument :

BNA_F

ClientSampleId :

MW-05

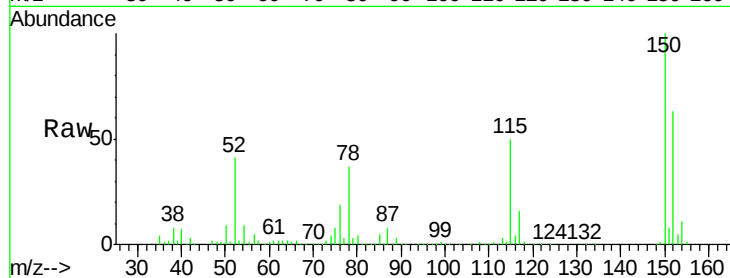
Tgt Ion: 79 Resp: 17811

Ion Ratio Lower Upper

79 100

108 28.5 68.4 102.6#

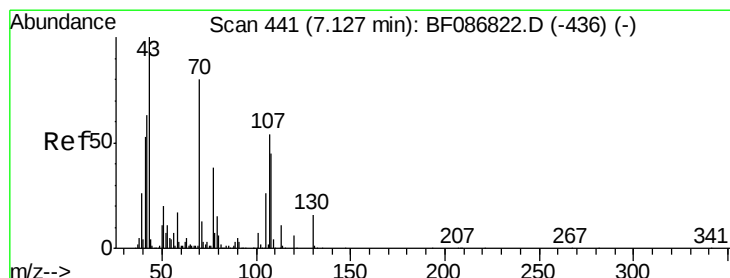
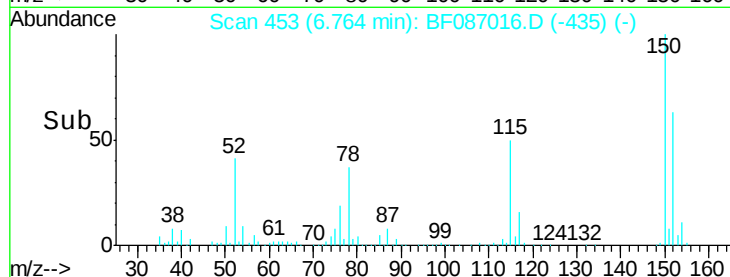
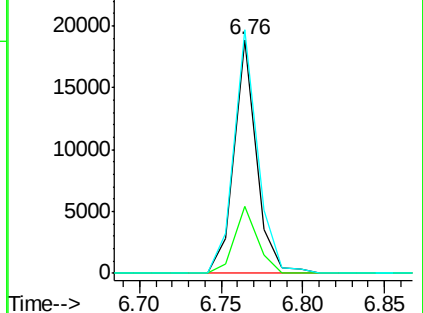
77 104.2 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.45 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087016.D

Acq: 14 May 2016 13:18

Tgt Ion: 70 Resp: 157092

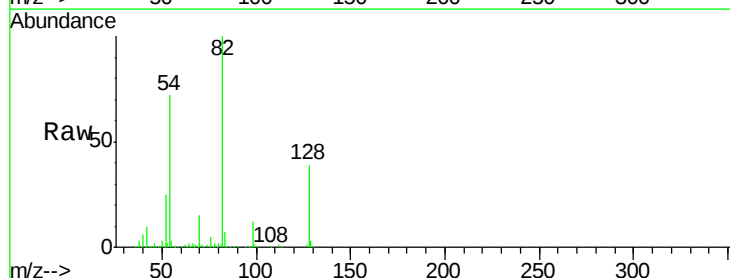
Ion Ratio Lower Upper

70 100

42 68.1 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

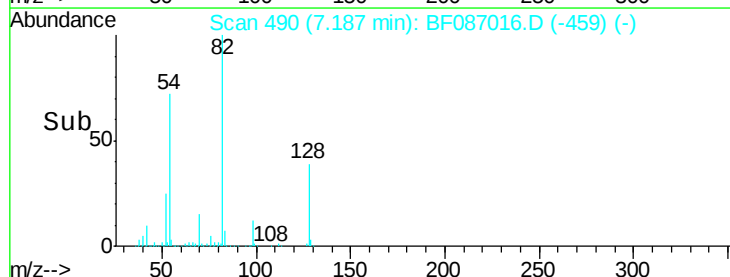
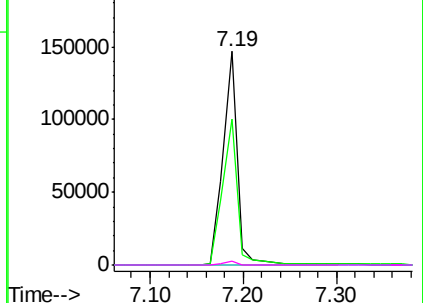


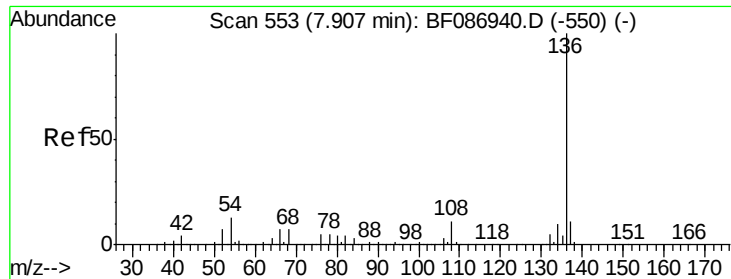
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.09 min

Lab File: BF087016.D

Acq: 14 May 2016 13:18

Instrument :

BNA_F

ClientSampled :

MW-05

Tgt Ion:136 Resp: 599401

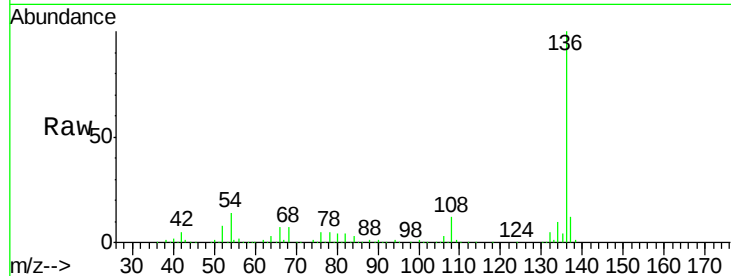
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 14.0 5.0 7.4#

68 7.2 4.4 6.6#

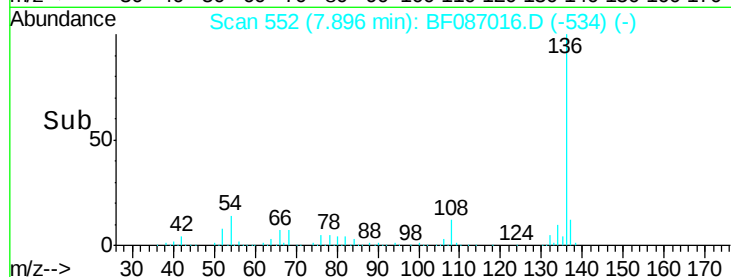


Abundance Ion 136.00 (135.70 to 136.70): E

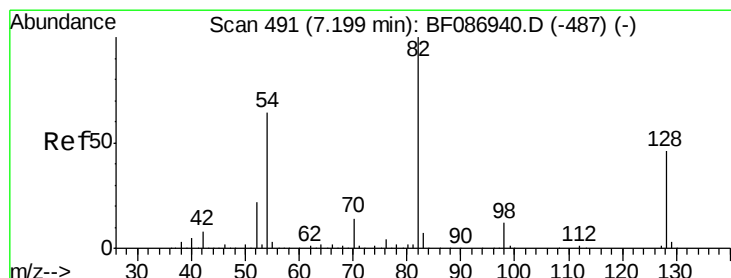
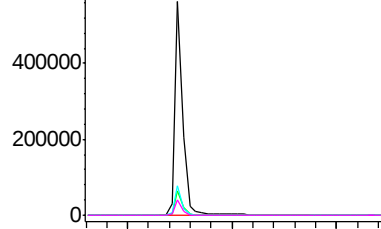
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 91.85 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF087016.D

Acq: 14 May 2016 13:18

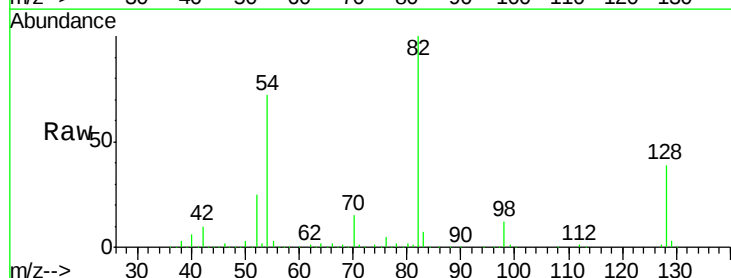
Tgt Ion: 82 Resp: 1096404

Ion Ratio Lower Upper

82 100

128 38.7 40.6 61.0#

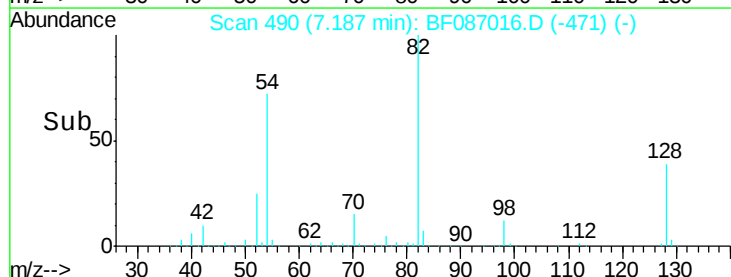
54 71.6 38.1 57.1#



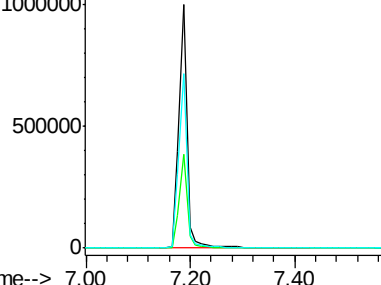
Abundance Ion 82.00 (81.70 to 82.70): BF0

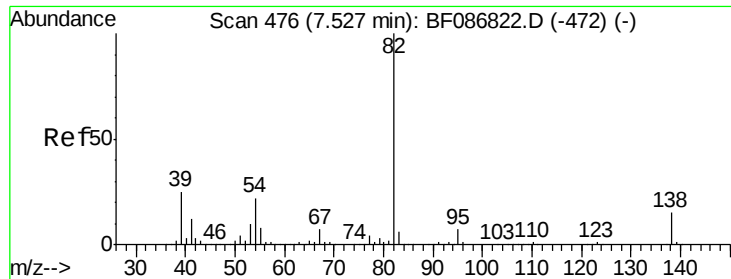
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

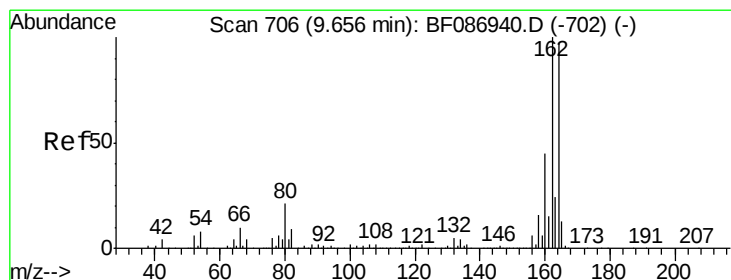
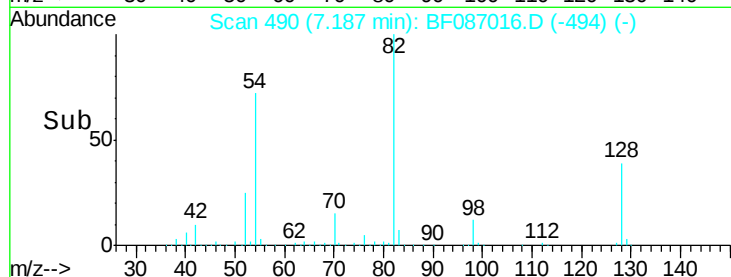
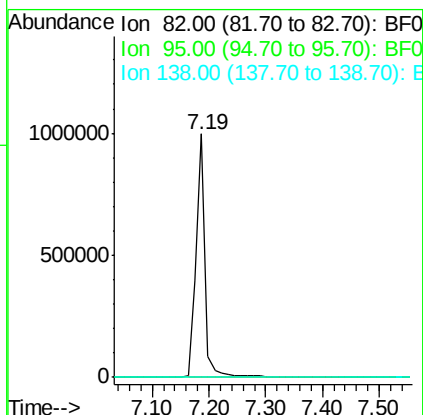
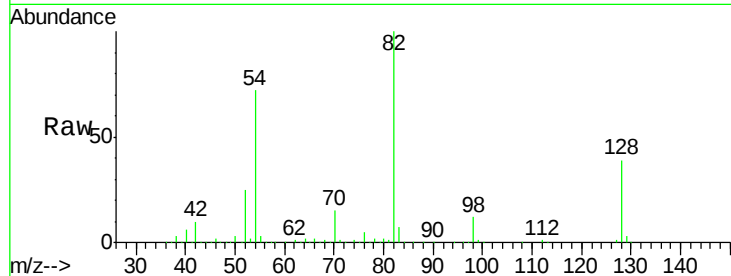




#25
Isophorone
Concen: 48.66 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.34 min
Lab File: BF087016.D
Acq: 14 May 2016 13:18

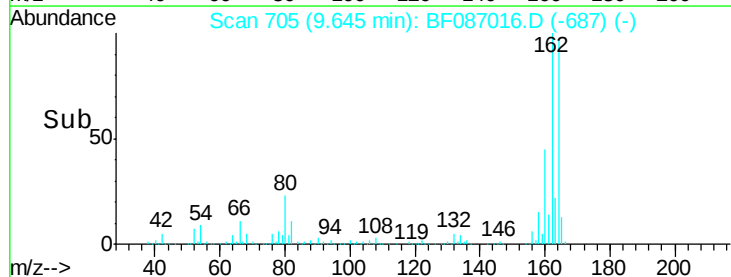
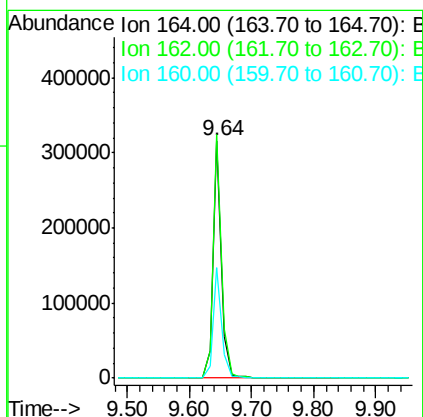
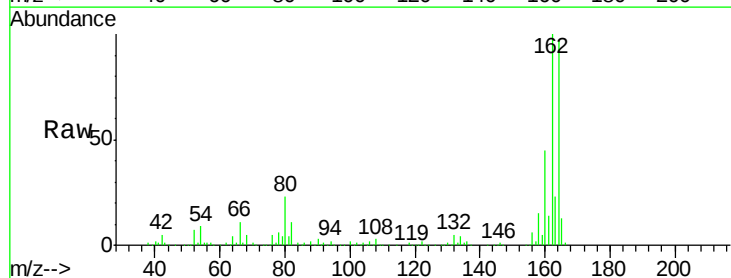
Instrument :
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MW-05

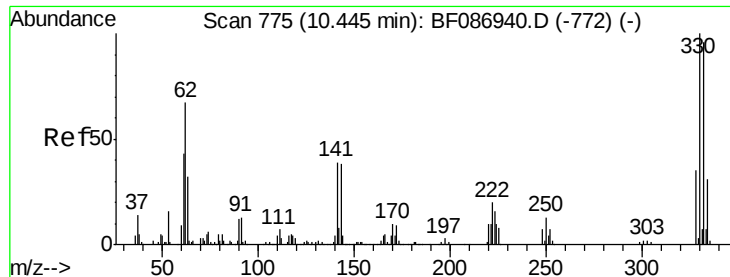
Tgt Ion: 82 Resp: 1077836
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.4 18.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.09 min
Lab File: BF087016.D
Acq: 14 May 2016 13:18

Tgt Ion: 164 Resp: 290071
Ion Ratio Lower Upper
164 100
162 102.6 82.8 124.2
160 46.6 36.9 55.3

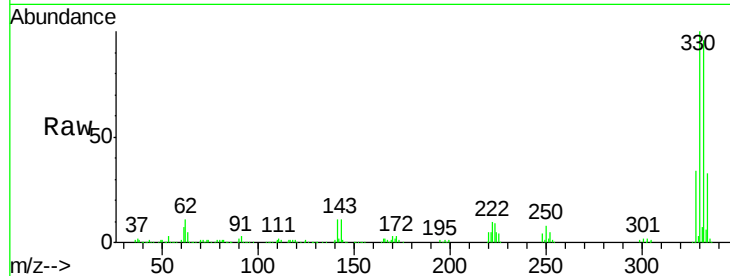




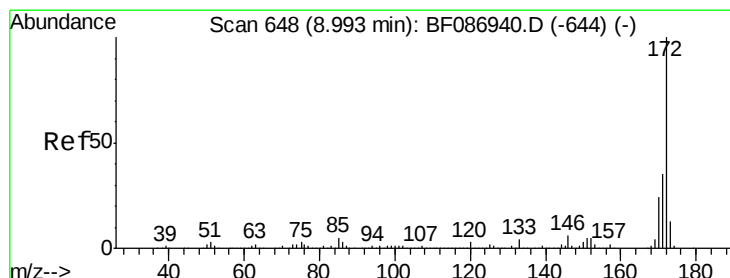
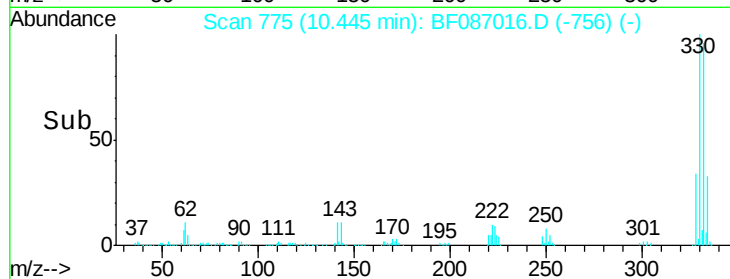
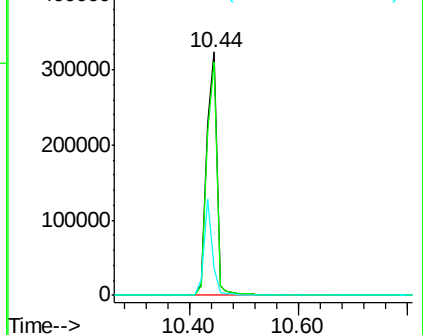
#41
 2,4,6-Tribromophenol
 Concen: 134.91 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF087016.D
 Acq: 14 May 2016 13:18

Instrument :
 BNA_F
 ClientSampleId :
 MW-05

Tgt Ion:330 Resp: 414292
 Ion Ratio Lower Upper
 330 100
 332 95.4 79.0 118.4
 141 32.2 31.2 46.8

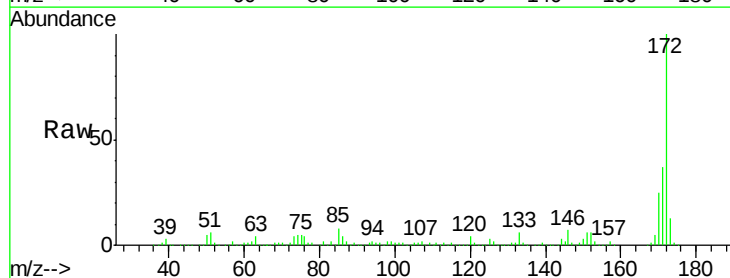


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

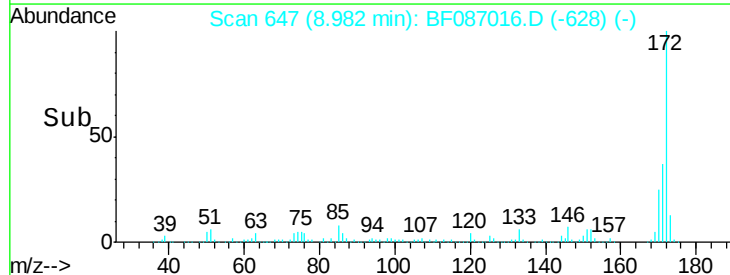
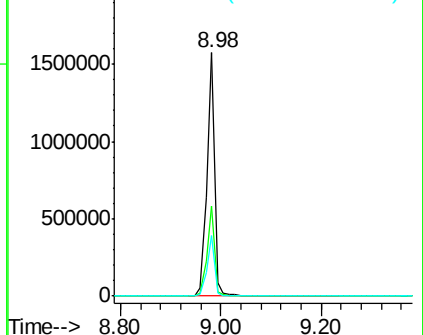


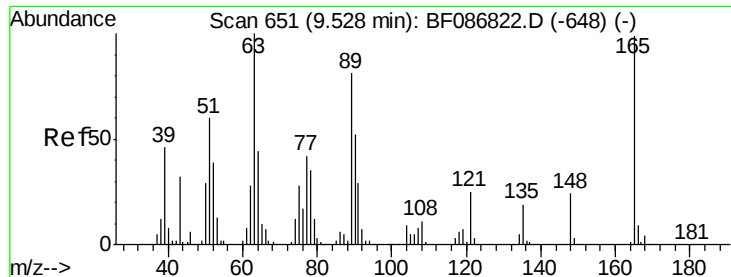
#44
 2-Fluorobiphenyl
 Concen: 97.14 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087016.D
 Acq: 14 May 2016 13:18

Tgt Ion:172 Resp: 1676512
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.0 43.6
 170 25.1 19.8 29.8



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

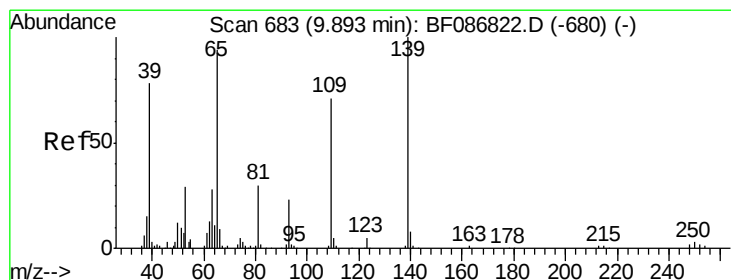
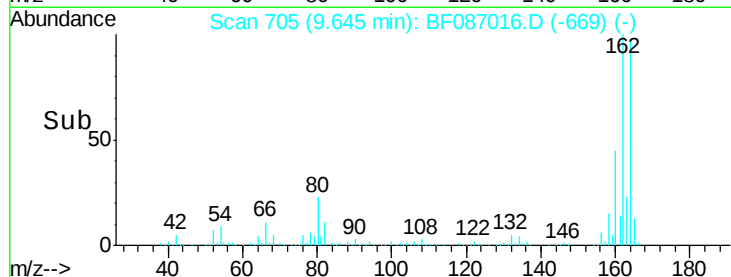
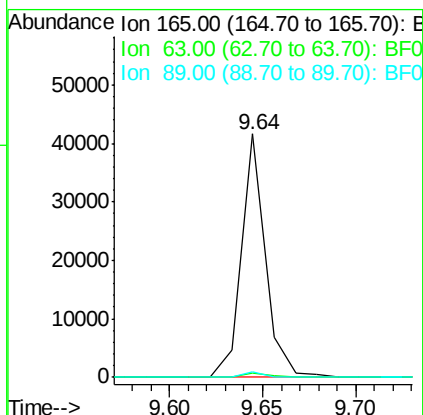
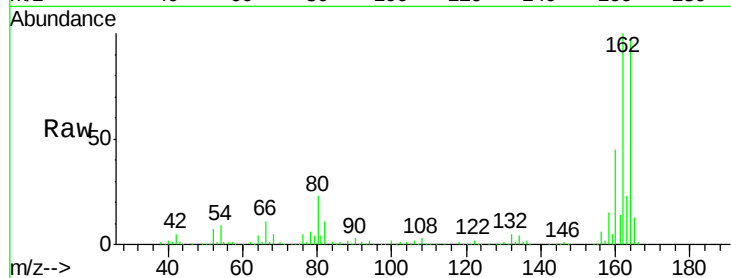




#50
2,6-Dinitrotoluene
Concen: 7.99 ng
RT: 9.64 min Scan# 705
Delta R.T. 0.12 min
Lab File: BF087016.D
Acq: 14 May 2016 13:18

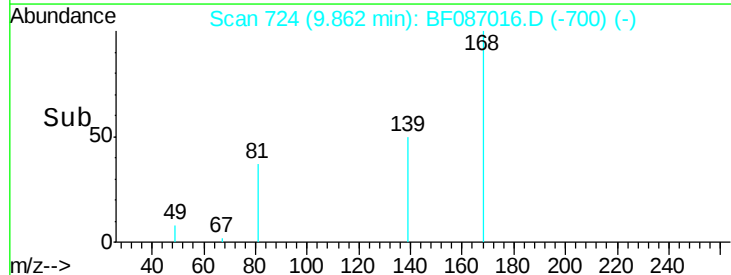
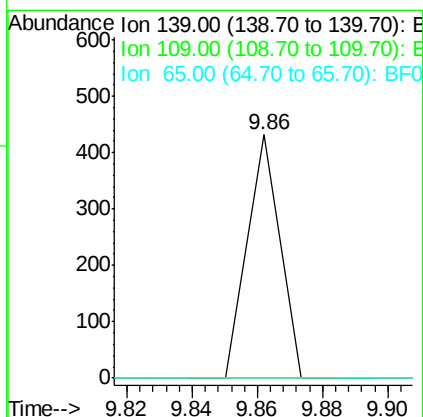
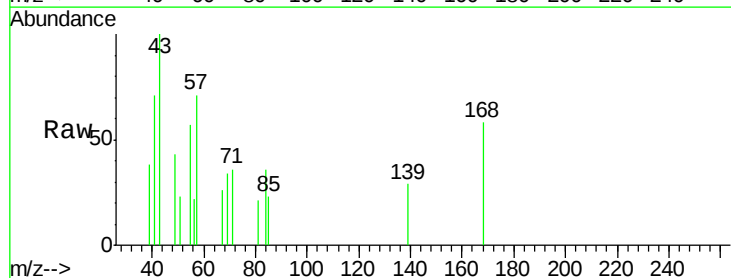
Instrument :
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MW-05

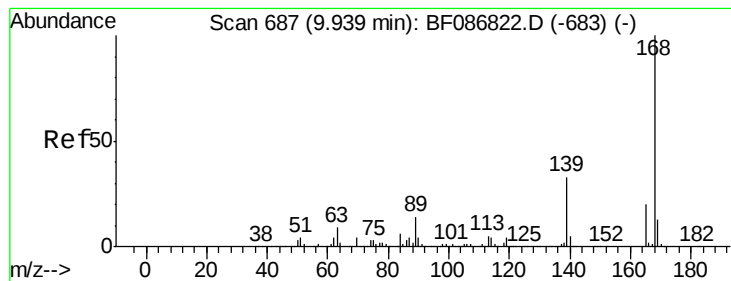
Tgt Ion:165 Resp: 37212
Ion Ratio Lower Upper
165 100
63 2.0 51.8 77.8#
89 2.1 50.7 76.1#



#55
4-Nitrophenol
Concen: 4.65 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.03 min
Lab File: BF087016.D
Acq: 14 May 2016 13:18

Tgt Ion:139 Resp: 296
Ion Ratio Lower Upper
139 100
109 0.0 36.9 76.9#
65 0.0 64.0 104.0#





#56

2,4-Dinitrotoluene

Concen: 6.46 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.29 min

Lab File: BF087016.D

Acq: 14 May 2016 13:18

Instrument :

BNA_F

ClientSampleId :

MW-05

Tgt Ion:165 Resp: 37213

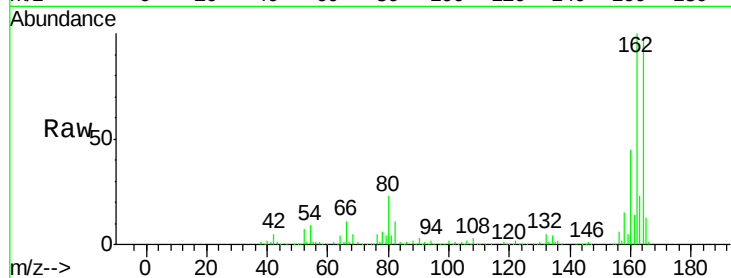
Ion Ratio Lower Upper

165 100

63 2.0 44.3 66.5#

89 2.1 70.0 105.0#

182 0.0 1.8 2.6#

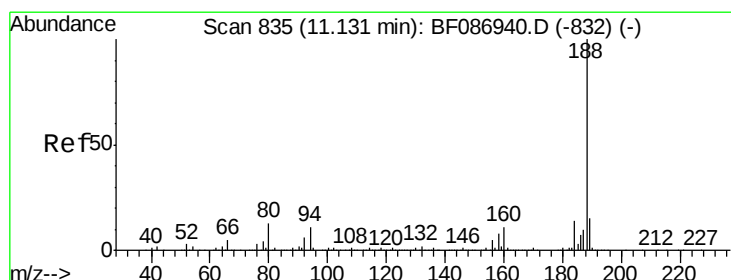
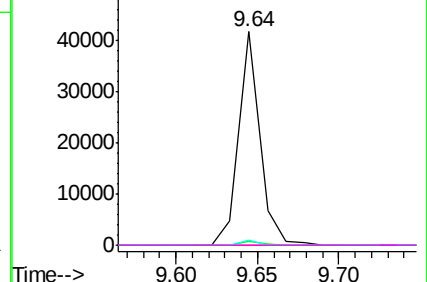
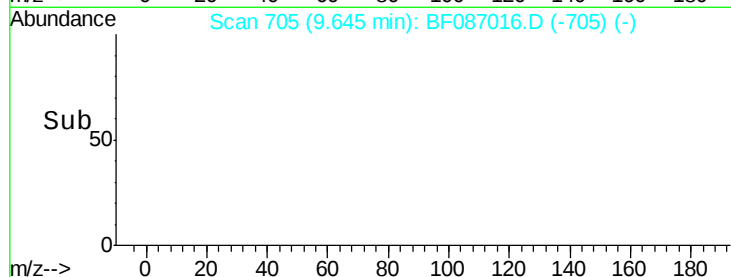


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.12 min Scan# 834

Delta R.T. -0.09 min

Lab File: BF087016.D

Acq: 14 May 2016 13:18

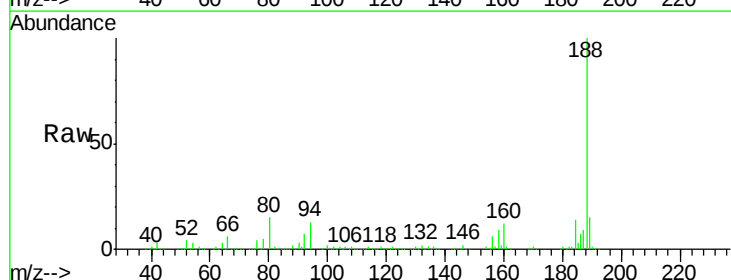
Tgt Ion:188 Resp: 531968

Ion Ratio Lower Upper

188 100

94 12.6 6.8 10.2#

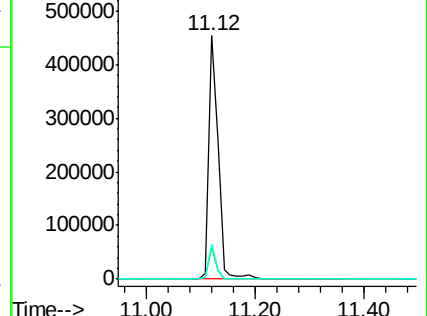
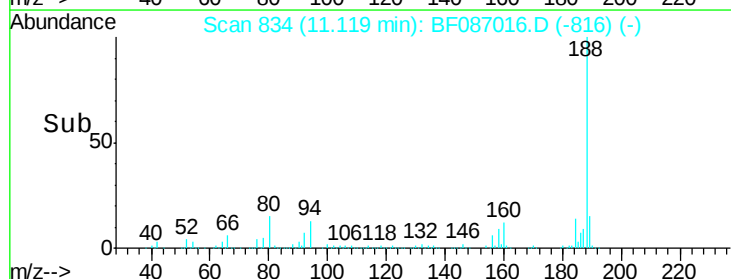
80 14.6 7.1 10.7#

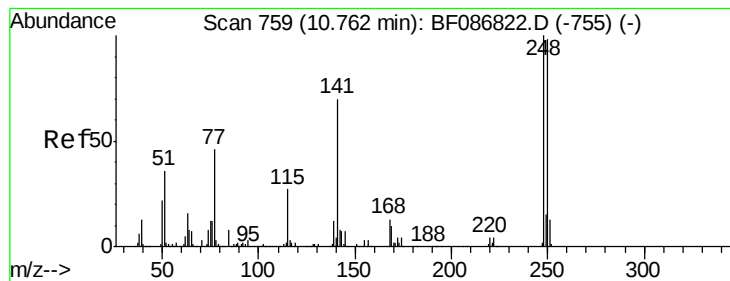


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.38 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF087016.D

Acq: 14 May 2016 13:18

Instrument :

BNA_F

ClientSampleId :

MW-05

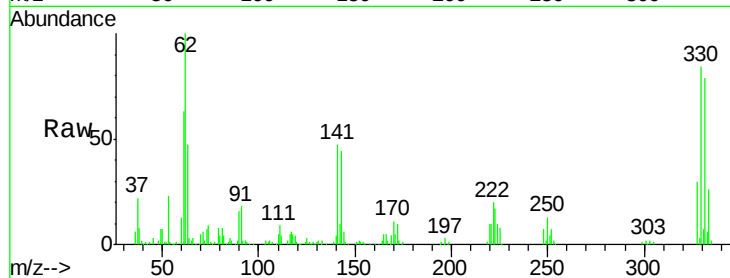
Tgt Ion:248 Resp: 23622

Ion Ratio Lower Upper

248 100

250 194.0 78.6 117.8#

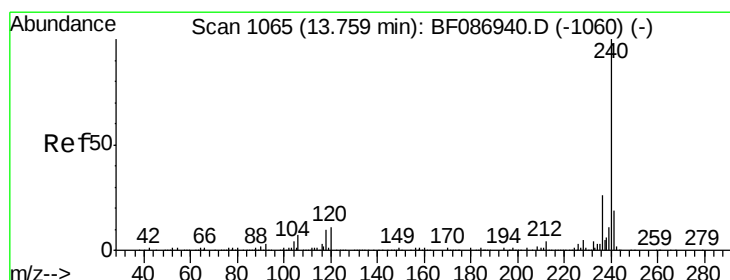
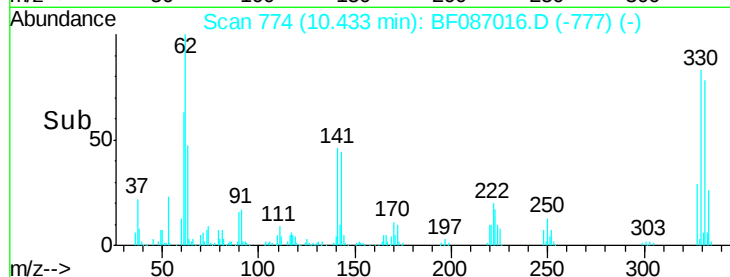
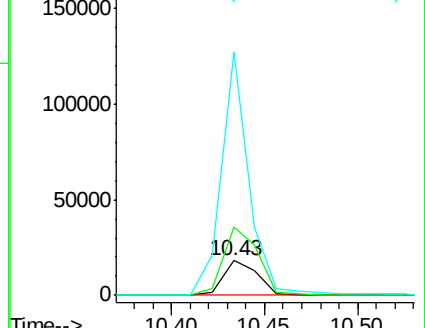
141 698.5 76.0 114.0#



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: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087016.D

Acq: 14 May 2016 13:18

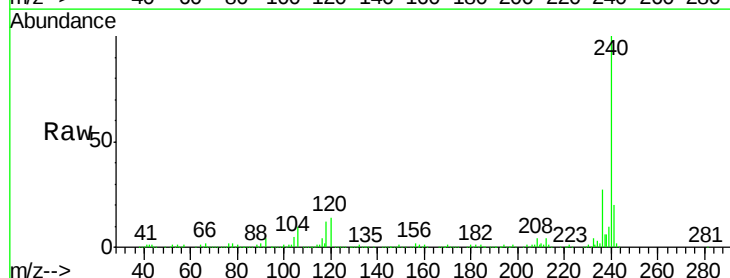
Tgt Ion:240 Resp: 374563

Ion Ratio Lower Upper

240 100

120 13.9 11.2 16.8

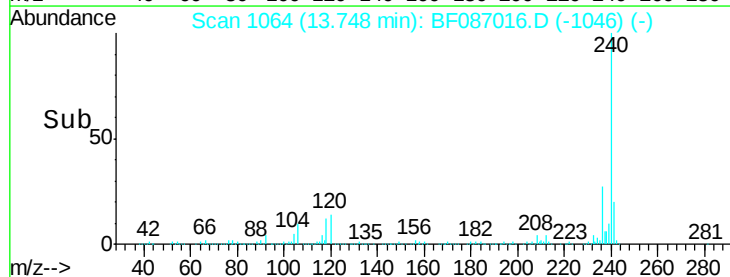
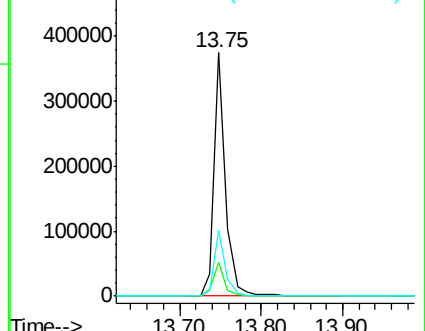
236 26.8 21.2 31.8

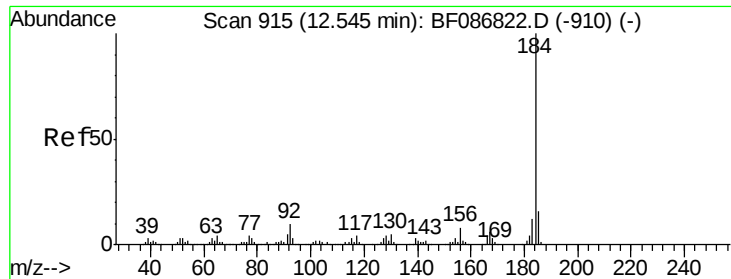


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

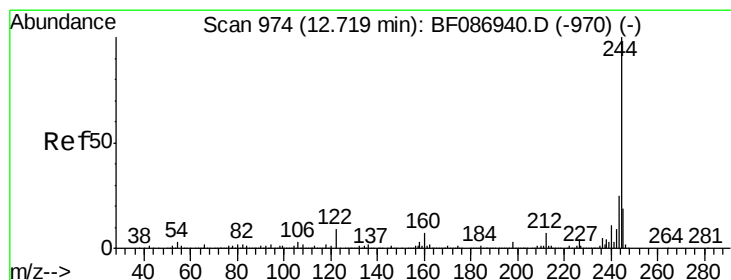
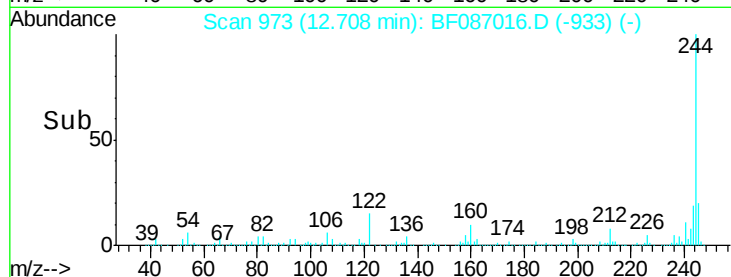
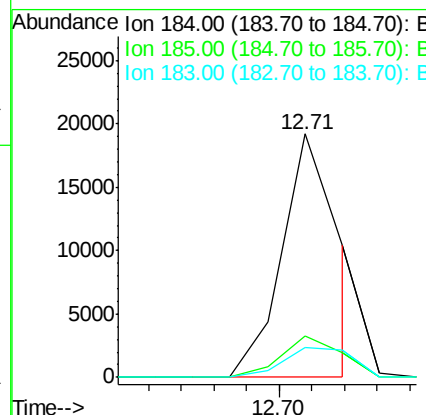
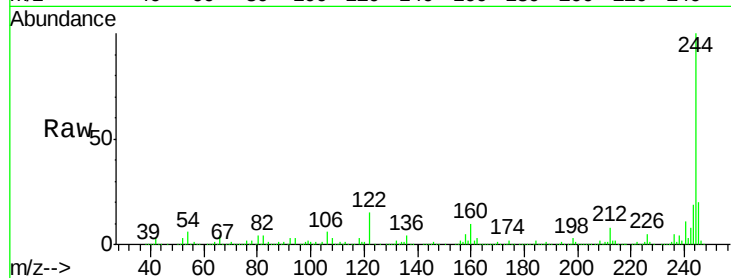




#76
Benzidine
Concen: 2.44 ng
RT: 12.71 min Scan# 973
Delta R.T. 0.16 min
Lab File: BF087016.D
Acq: 14 May 2016 13:18

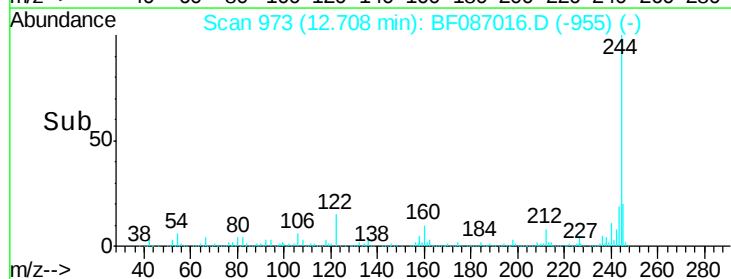
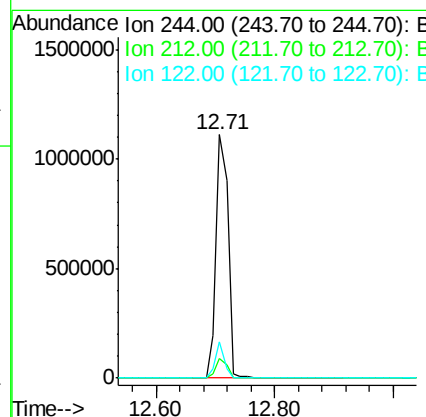
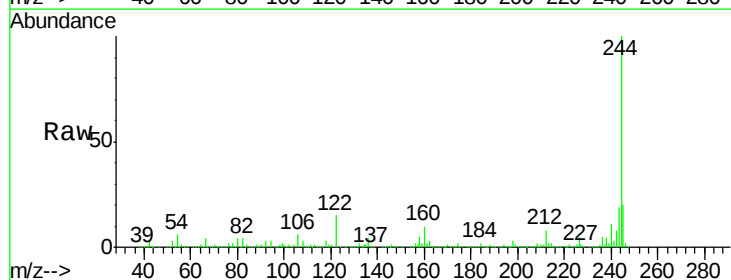
Instrument :
BNA_F
ClientSampleId :
MW-05

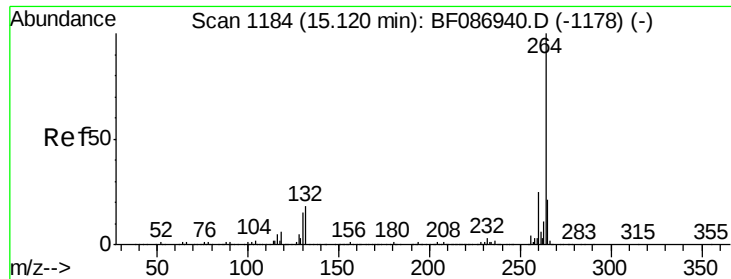
Tgt Ion:184 Resp: 23323
Ion Ratio Lower Upper
184 100
185 17.0 13.6 20.4
183 12.2 9.8 14.6



#78
Terphenyl-d14
Concen: 88.13 ng
RT: 12.71 min Scan# 973
Delta R.T. -0.09 min
Lab File: BF087016.D
Acq: 14 May 2016 13:18

Tgt Ion:244 Resp: 1555856
Ion Ratio Lower Upper
244 100
212 8.2 6.2 9.2
122 14.8 12.0 18.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. -0.10 min
Lab File: BF087016.D
Acq: 14 May 2016 13:18

Instrument :
BNA_F
ClientSampleId :
MW-05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.8	17.3	25.9

