

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
 Data File : BF087023.D
 Acq On : 14 May 2016 16:42
 Operator : UM/SJ
 Sample : H2947-02
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Quant Time: May 16 01:07:22 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	6.76	152	332968	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	530079	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	252694	20.00	ng	-0.09
63) Phenanthrene-d10	11.13	188	444584	20.00	ng	-0.08
75) Chrysene-d12	13.75	240	300253	20.00	ng	-0.09
86) Perylene-d12	15.11	264	278829	20.00	ng	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	360134	18.32	ng	-0.09
7) Phenol-d6	6.28	99	305144	11.61	ng	-0.08
23) Nitrobenzene-d5	7.19	82	768419	72.79	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	338500	126.53	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	1275472	84.83	ng	-0.08
78) Terphenyl-d14	12.71	244	698524	49.36	ng	-0.09

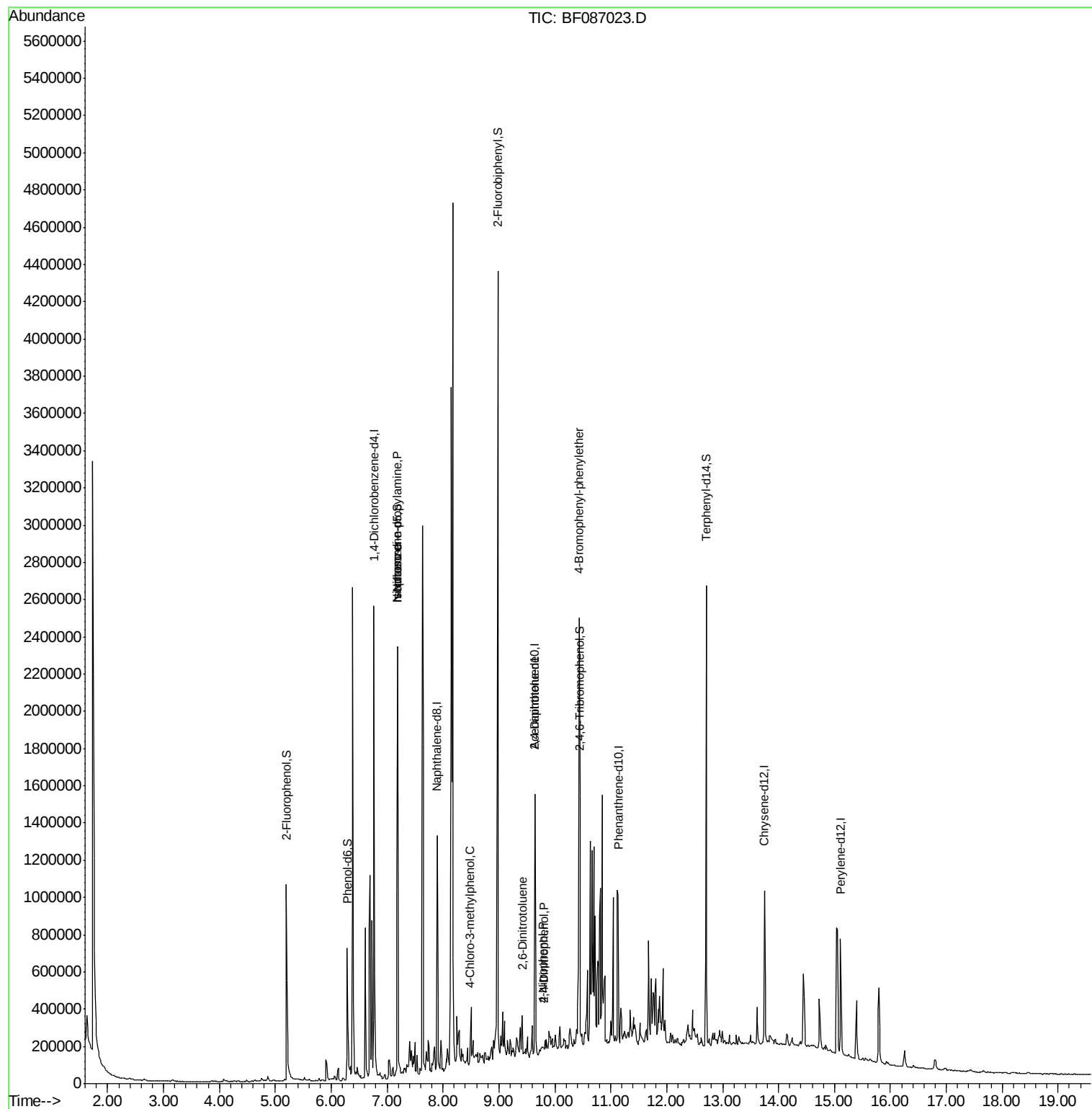
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.19	70	110165	6.00	ng	# 75
25) Isophorone	7.19	82	745498	38.06	ng	# 68
36) 4-Chloro-3-methylphenol	8.49	107	20065	2.31	ng	# 20
50) 2,6-Dinitrotoluene	9.42	165	17469	4.31	ng	# 24
53) 2,4-Dinitrophenol	9.80	184	230	7.79	ng	# 1
55) 4-Nitrophenol	9.78	139	787	4.82	ng	# 1
56) 2,4-Dinitrotoluene	9.64	165	34480	6.87	ng	# 18
60) 4-Chlorophenyl-phenylether	10.18	204	241	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.43	248	19415	4.31	ng	# 1

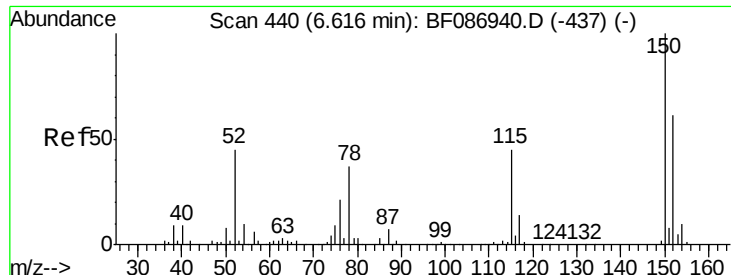
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.07 min

Lab File: BF087023.D

Acq: 14 May 2016 16:42

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ClientSampleId :

MW-14

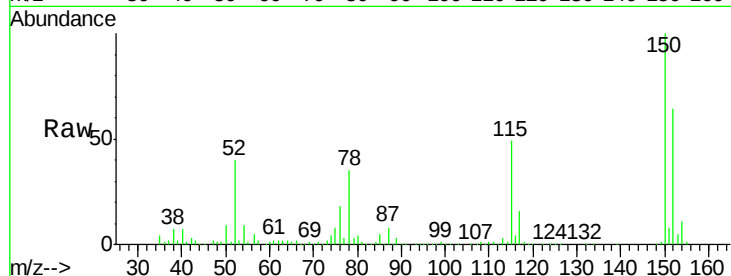
Tgt Ion:152 Resp: 332968

Ion Ratio Lower Upper

152 100

150 155.8 125.8 188.6

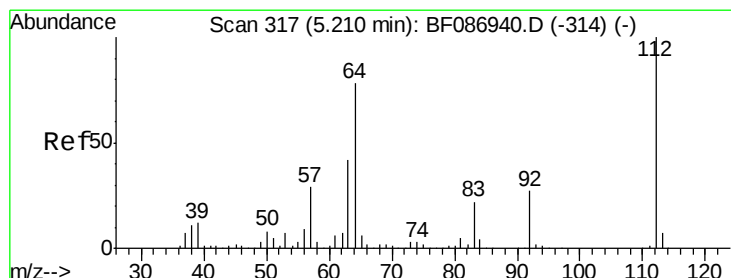
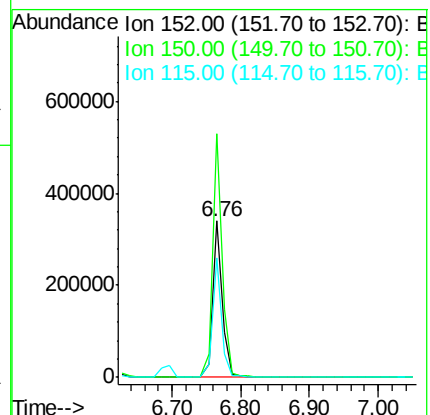
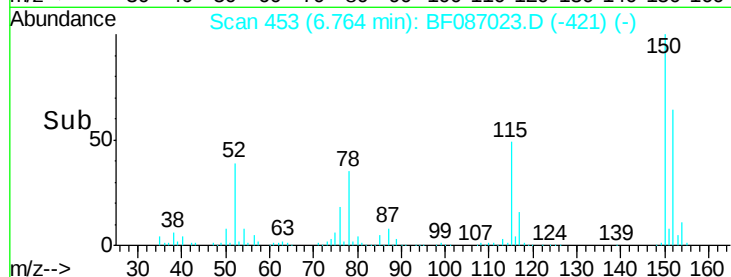
115 76.4 51.5 77.3



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: 18.32 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.09 min

Lab File: BF087023.D

Acq: 14 May 2016 16:42

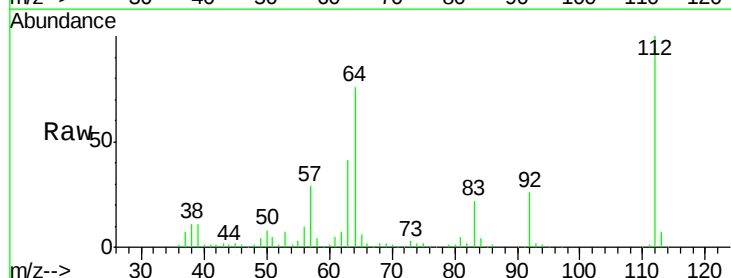
Tgt Ion:112 Resp: 360134

Ion Ratio Lower Upper

112 100

64 76.0 52.1 78.1

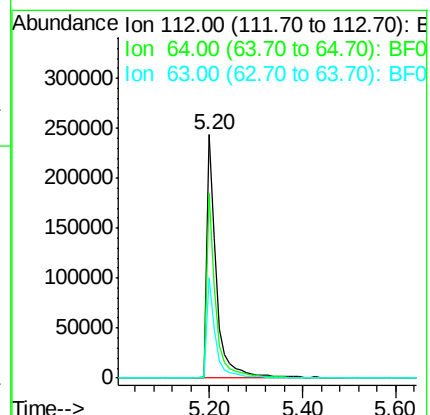
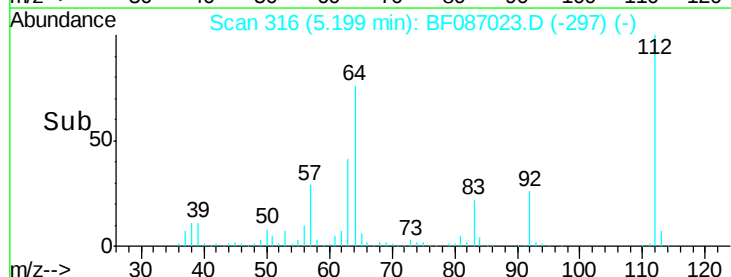
63 41.3 25.7 38.5#

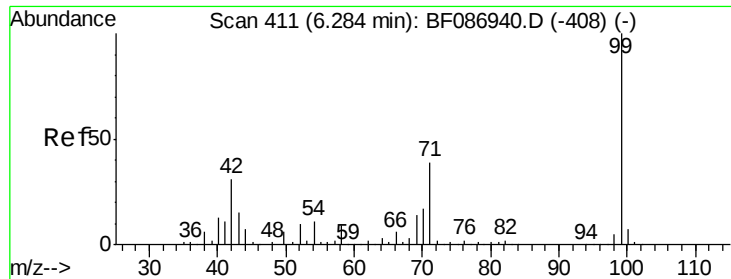


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 11.61 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087023.D

Acq: 14 May 2016 16:42

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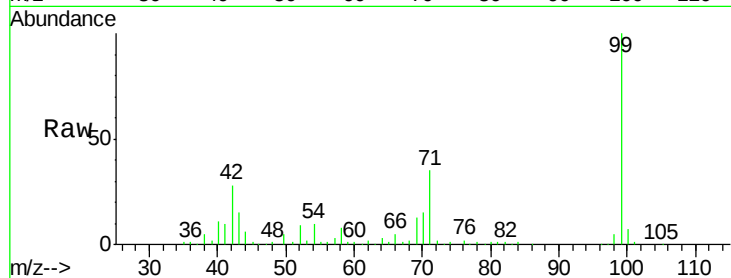
Tgt Ion: 99 Resp: 305144

Ion Ratio Lower Upper

99 100

42 27.8 13.6 20.4#

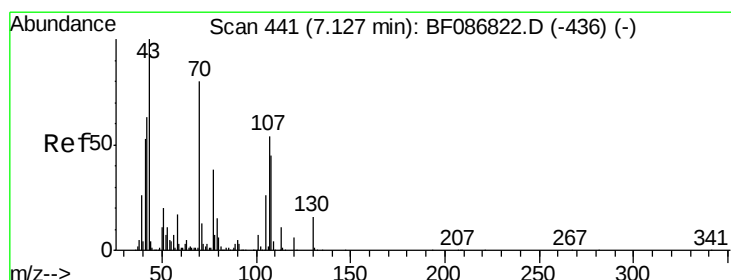
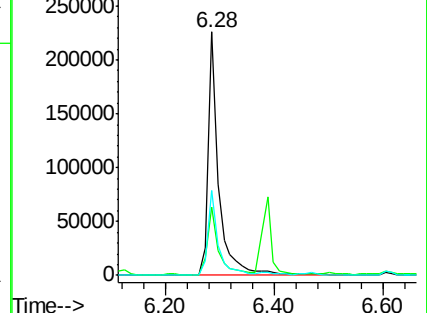
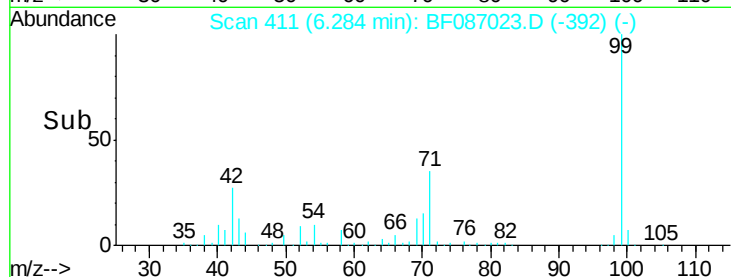
71 35.1 24.6 36.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.00 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087023.D

Acq: 14 May 2016 16:42

Tgt Ion: 70 Resp: 110165

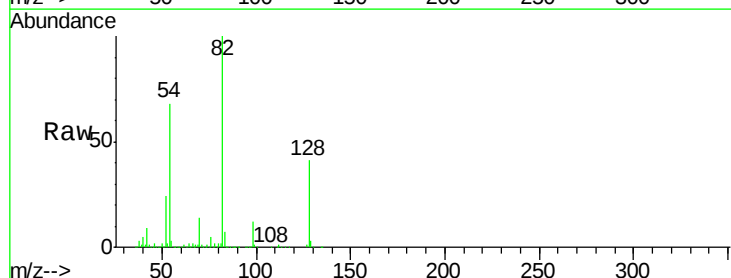
Ion Ratio Lower Upper

70 100

42 65.6 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

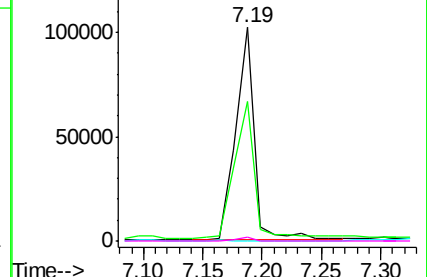
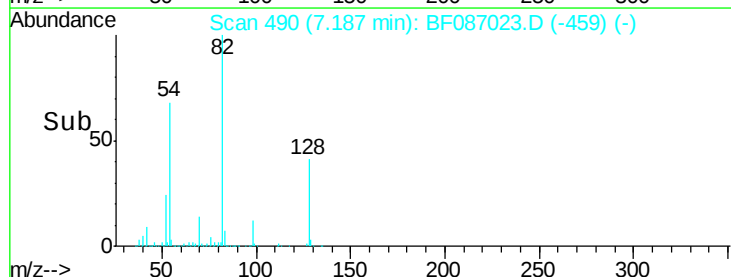


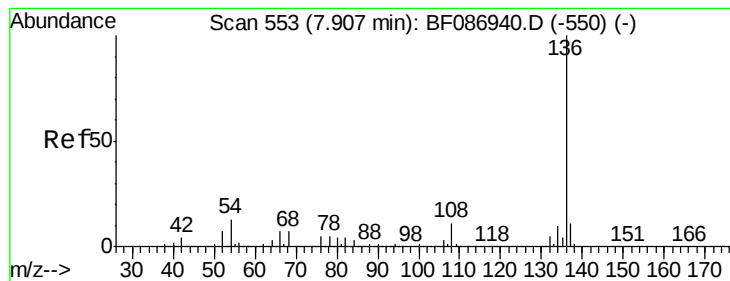
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF087023.D

Acq: 14 May 2016 16:42

Instrument :

BNA_F

ClientSampleId :

MW-14

Tgt Ion: 136 Resp: 530079

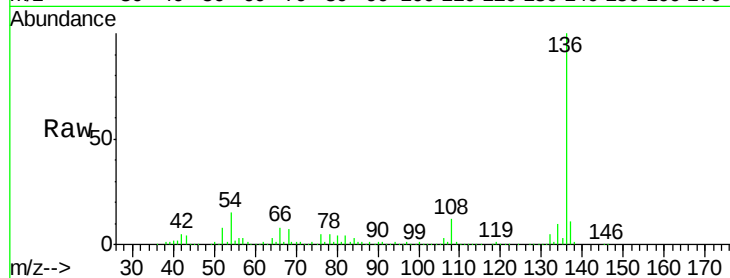
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 14.7 5.0 7.4#

68 7.4 4.4 6.6#

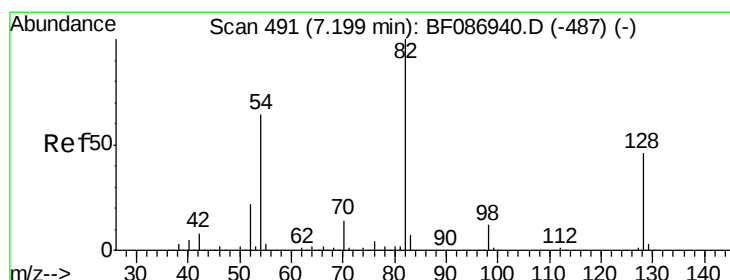
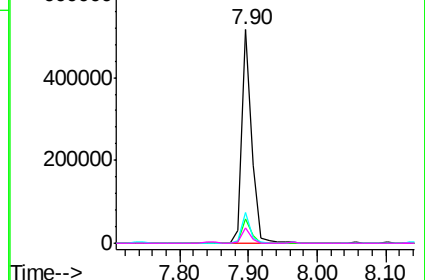
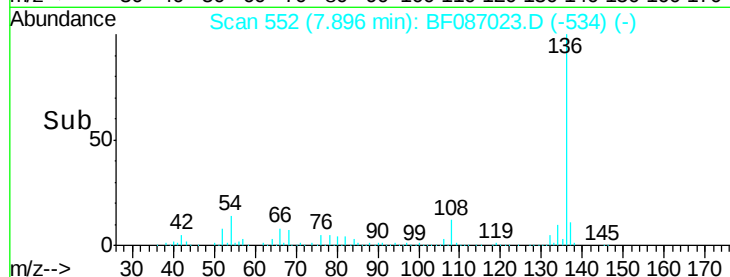


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 72.79 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF087023.D

Acq: 14 May 2016 16:42

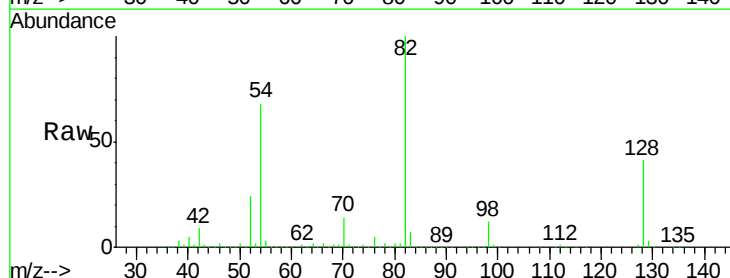
Tgt Ion: 82 Resp: 768419

Ion Ratio Lower Upper

82 100

128 41.5 40.6 61.0

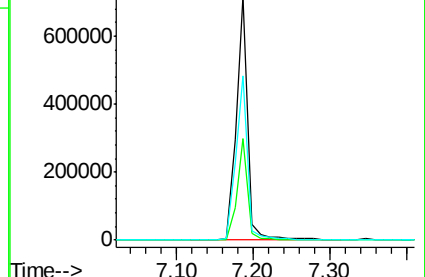
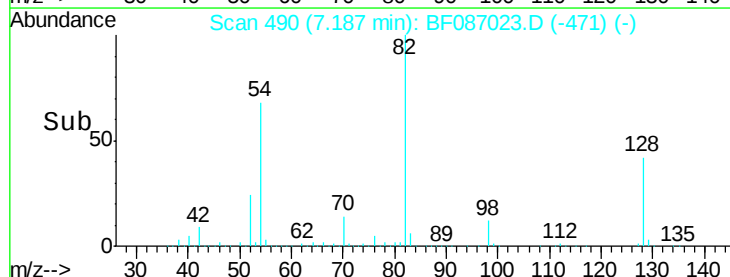
54 67.6 38.1 57.1#

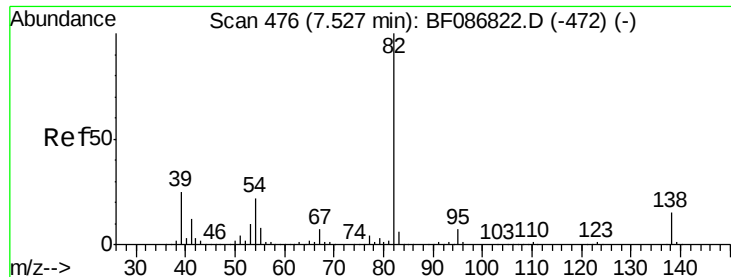


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.06 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087023.D

Acq: 14 May 2016 16:42

Instrument :

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MW-14

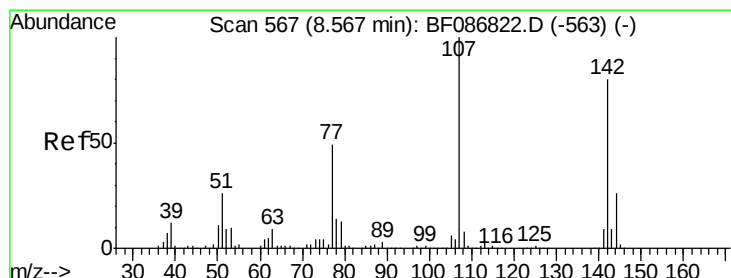
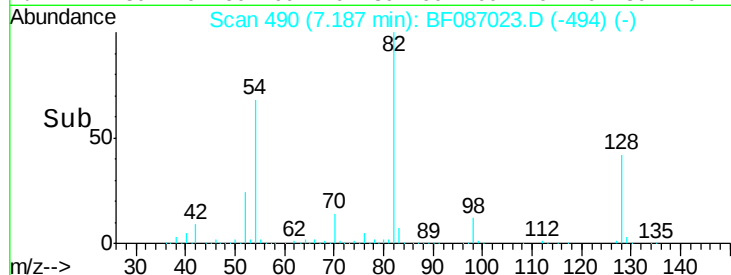
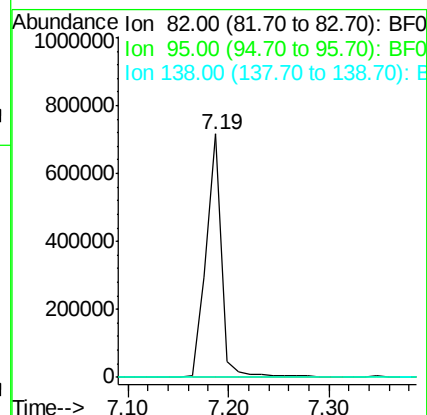
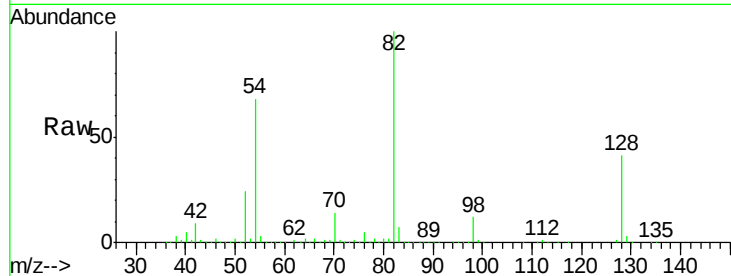
Tgt Ion: 82 Resp: 745498

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



#36

4-Chloro-3-methylphenol

Concen: 2.31 ng

RT: 8.49 min Scan# 604

Delta R.T. -0.08 min

Lab File: BF087023.D

Acq: 14 May 2016 16:42

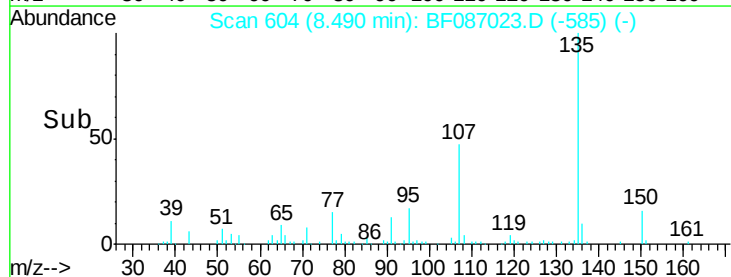
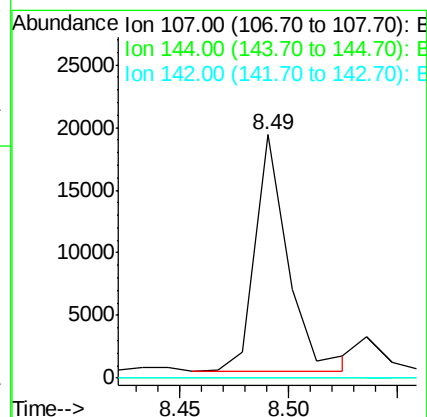
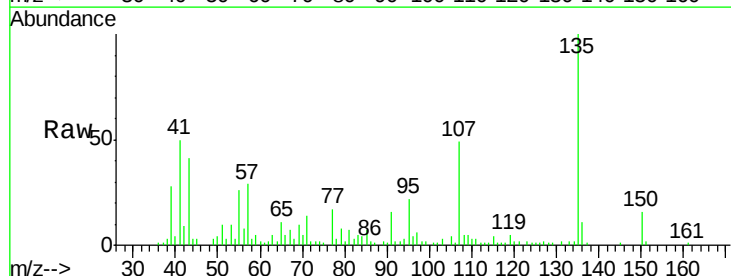
Tgt Ion: 107 Resp: 20065

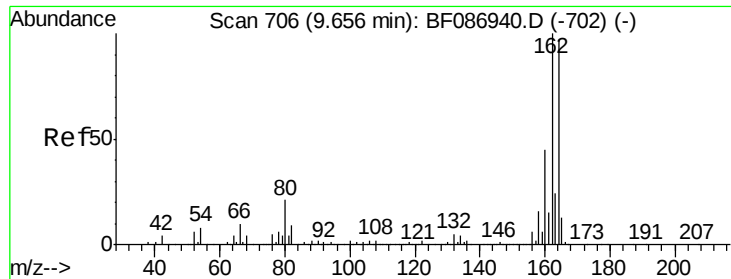
Ion Ratio Lower Upper

107 100

144 0.0 20.7 31.1#

142 0.0 63.2 94.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087023.D

Acq: 14 May 2016 16:42

Instrument :

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ClientSampleId :

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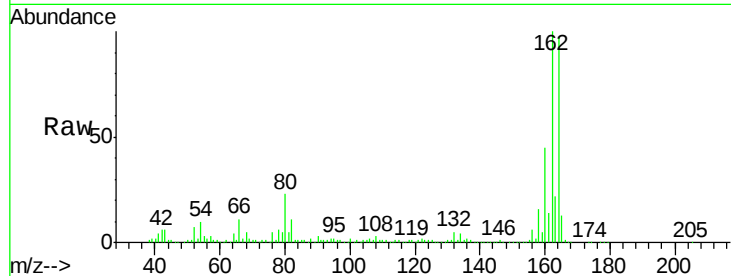
Tgt Ion:164 Resp: 252694

Ion Ratio Lower Upper

164 100

162 103.1 82.8 124.2

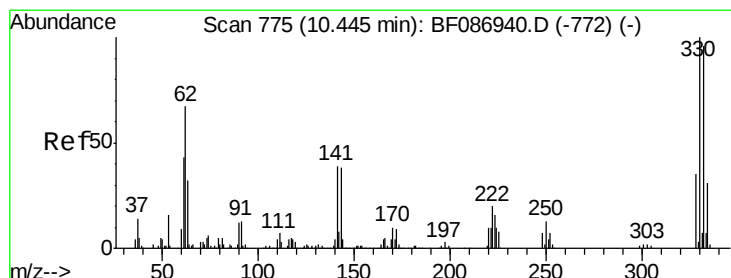
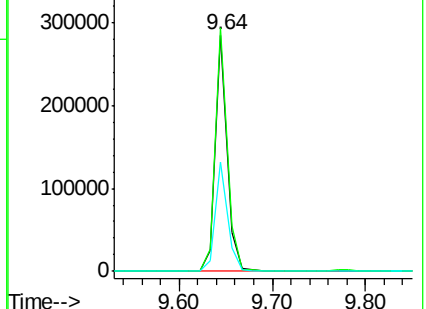
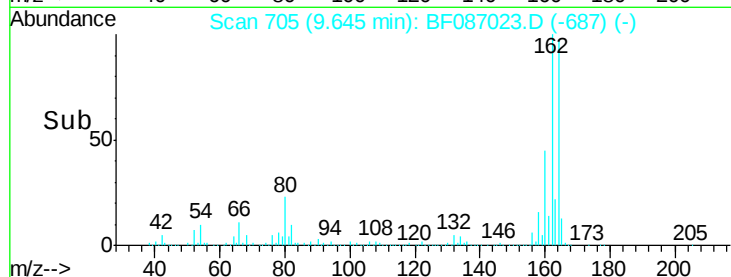
160 46.4 36.9 55.3



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: 126.53 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.08 min

Lab File: BF087023.D

Acq: 14 May 2016 16:42

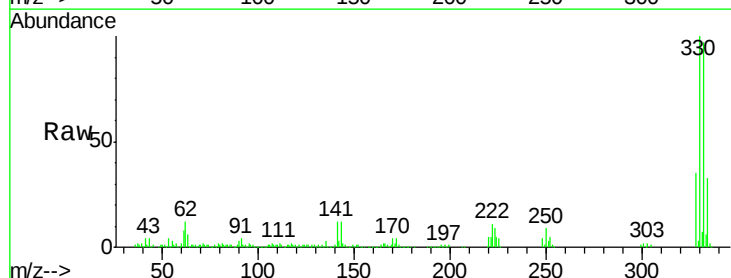
Tgt Ion:330 Resp: 338500

Ion Ratio Lower Upper

330 100

332 96.3 79.0 118.4

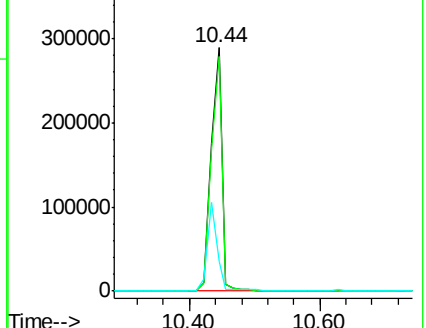
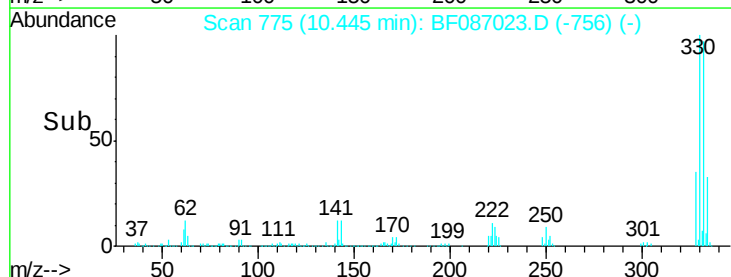
141 32.2 31.2 46.8

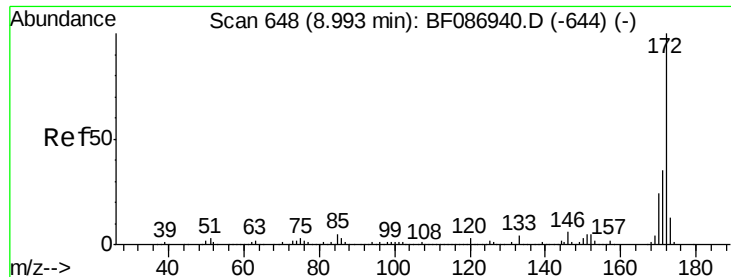


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

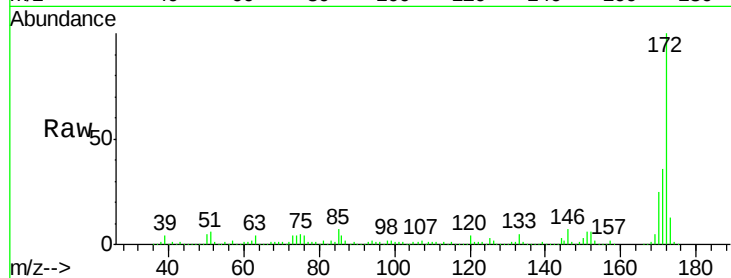




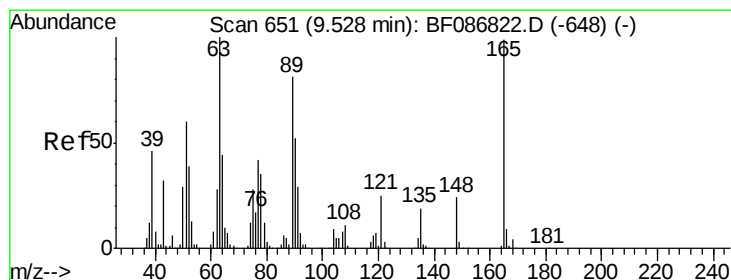
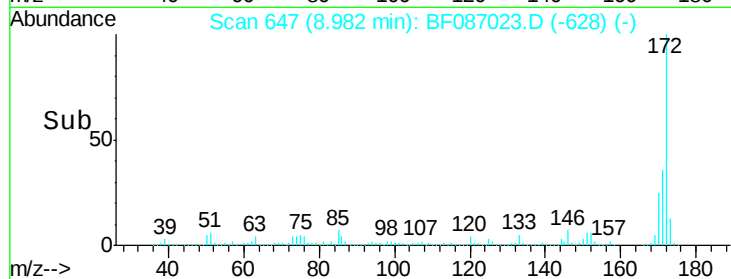
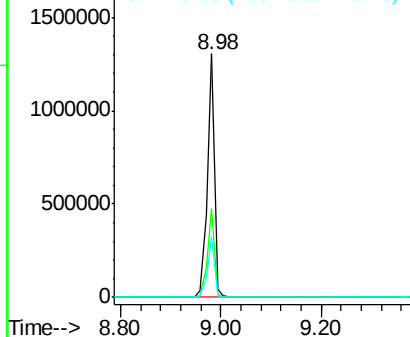
#44
 2-Fluorobiphenyl
 Concen: 84.83 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087023.D
 Acq: 14 May 2016 16:42

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Tgt Ion:172 Resp: 1275472
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.8 19.8 29.8

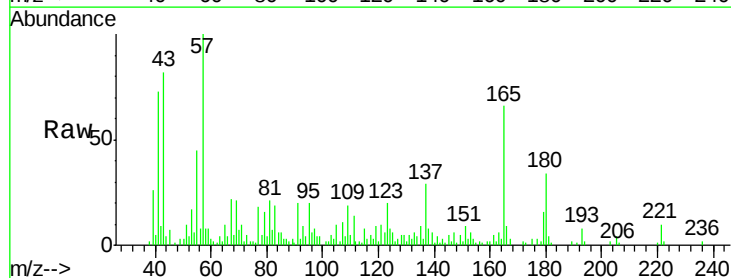


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

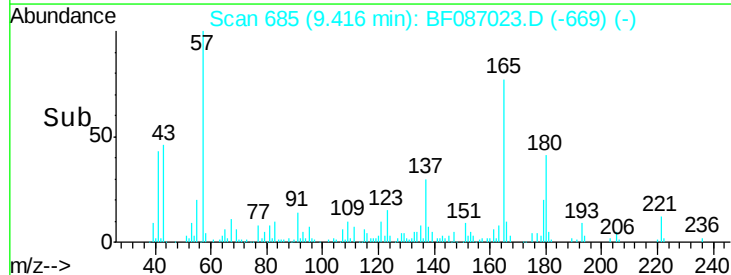
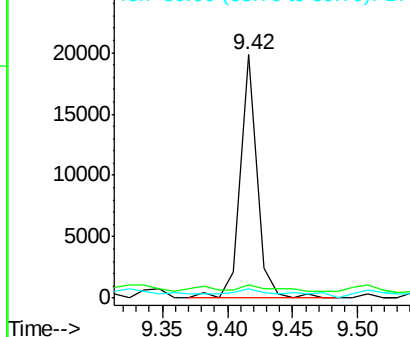


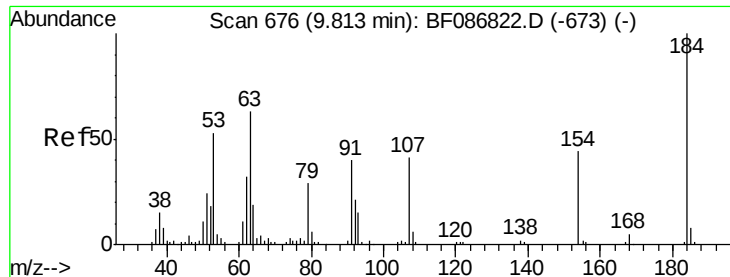
#50
 2,6-Dinitrotoluene
 Concen: 4.31 ng
 RT: 9.42 min Scan# 685
 Delta R.T. -0.11 min
 Lab File: BF087023.D
 Acq: 14 May 2016 16:42

Tgt Ion:165 Resp: 17469
 Ion Ratio Lower Upper
 165 100
 63 5.3 51.8 77.8#
 89 3.9 50.7 76.1#



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

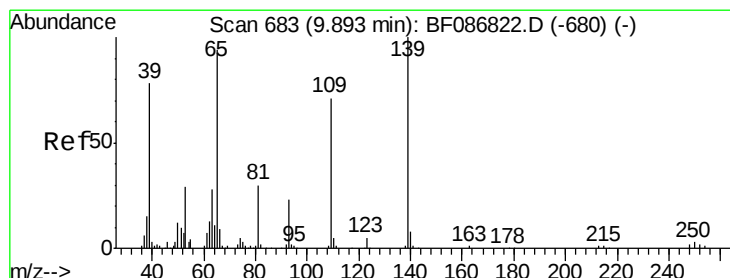
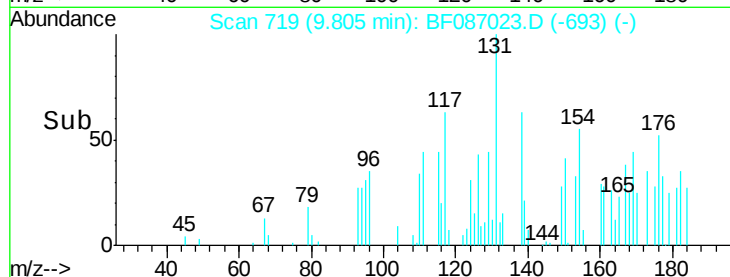
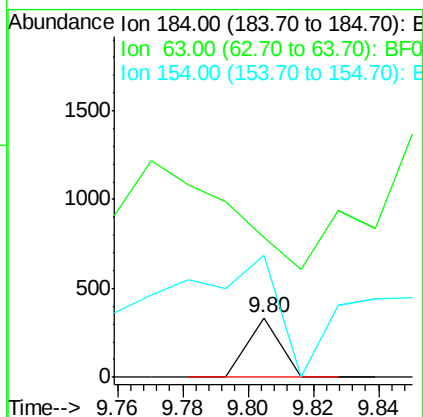
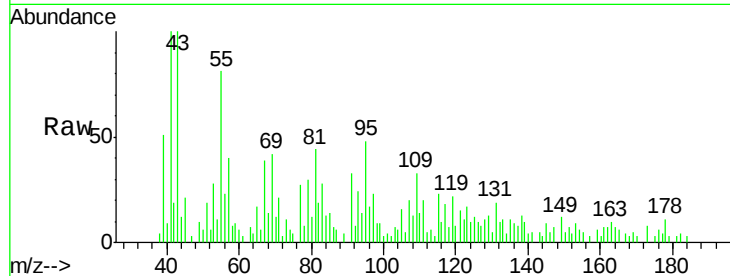




#53
 2,4-Dinitrophenol
 Concen: 7.79 ng
 RT: 9.80 min Scan# 719
 Delta R.T. -0.01 min
 Lab File: BF087023.D
 Acq: 14 May 2016 16:42

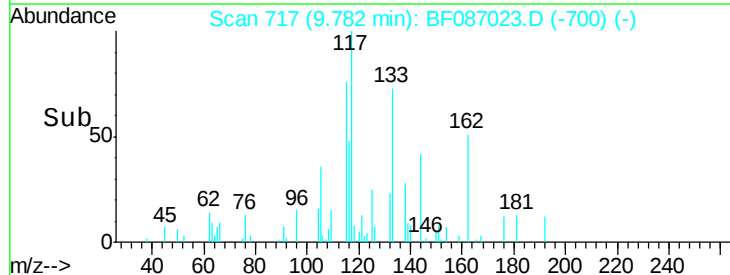
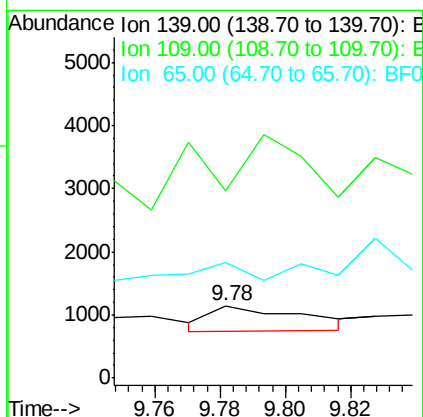
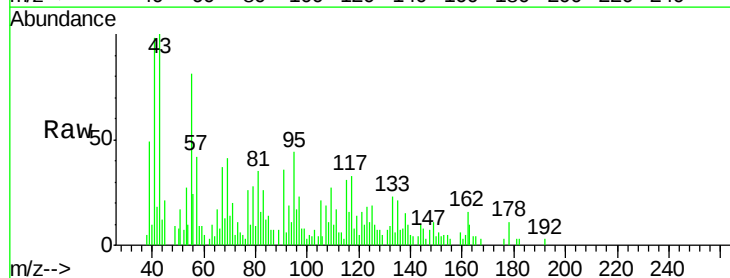
Instrument :
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 ClientSampleId :
 MW-14

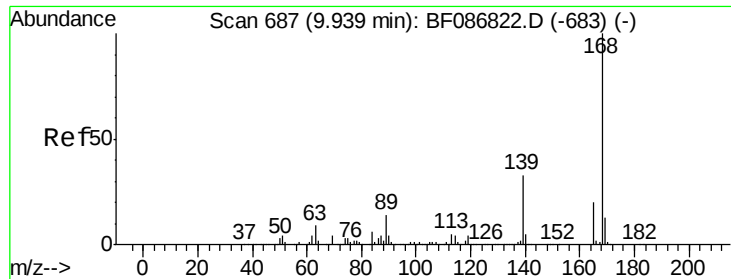
Tgt Ion:184 Resp: 230
 Ion Ratio Lower Upper
 184 100
 63 234.9 55.8 83.8#
 154 205.4 62.4 93.6#



#55
 4-Nitrophenol
 Concen: 4.82 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.11 min
 Lab File: BF087023.D
 Acq: 14 May 2016 16:42

Tgt Ion:139 Resp: 787
 Ion Ratio Lower Upper
 139 100
 109 258.3 36.9 76.9#
 65 159.8 64.0 104.0#

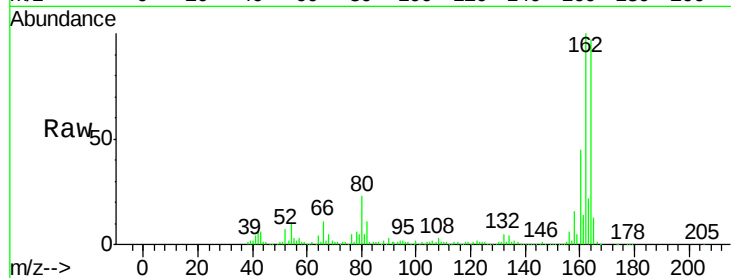




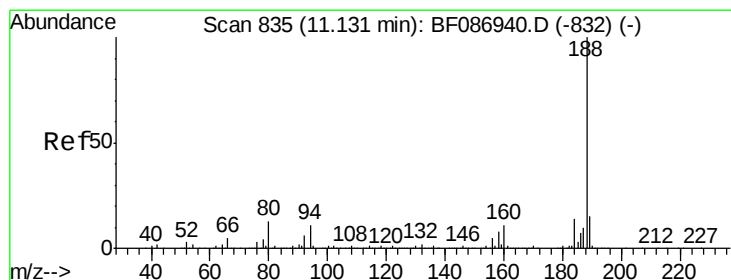
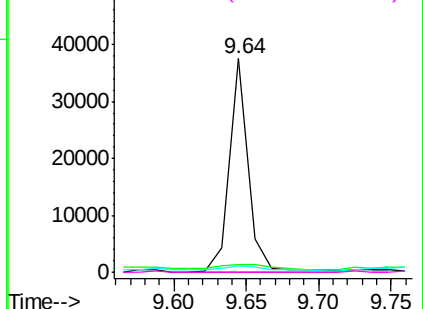
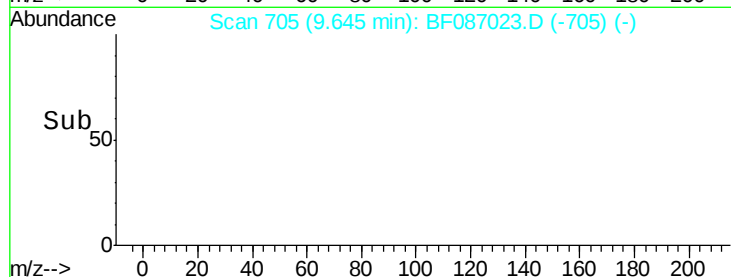
#56
 2,4-Dinitrotoluene
 Concen: 6.87 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.29 min
 Lab File: BF087023.D
 Acq: 14 May 2016 16:42

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Tgt Ion:165 Resp: 34480
 Ion Ratio Lower Upper
 165 100
 63 3.5 44.3 66.5#
 89 3.1 70.0 105.0#
 182 0.0 1.8 2.6#

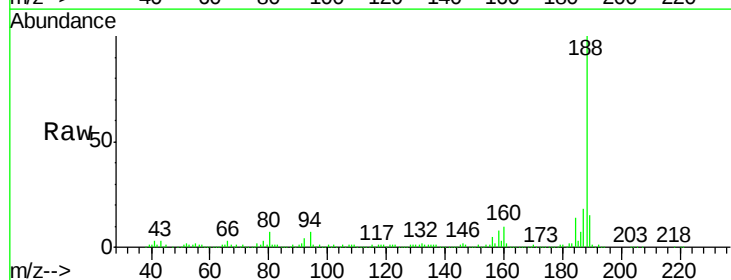


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

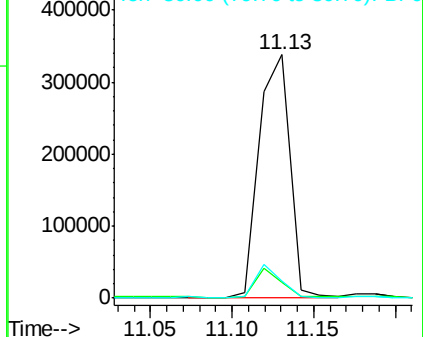
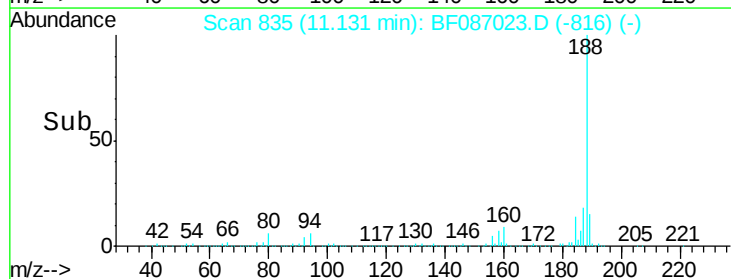


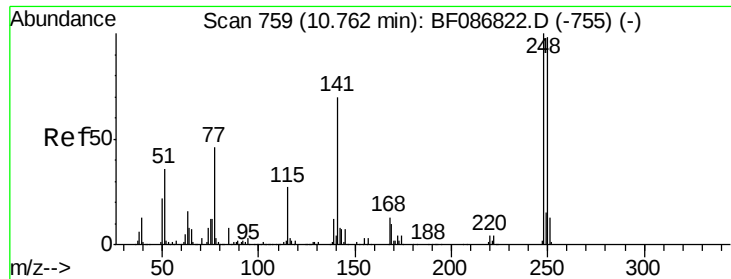
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.08 min
 Lab File: BF087023.D
 Acq: 14 May 2016 16:42

Tgt Ion:188 Resp: 444584
 Ion Ratio Lower Upper
 188 100
 94 6.5 6.8 10.2#
 80 6.8 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: 4.31 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF087023.D

Acq: 14 May 2016 16:42

Instrument :

BNA_F

ClientSampleId :

MW-14

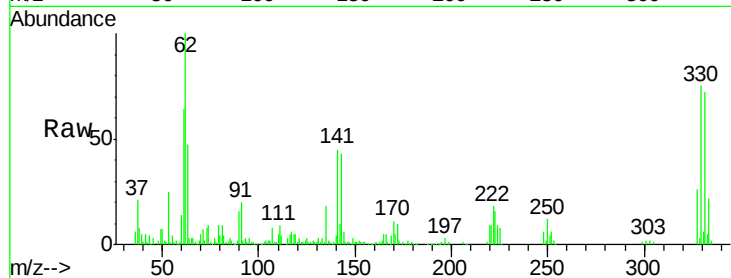
Tgt Ion:248 Resp: 19415

Ion Ratio Lower Upper

248 100

250 204.1 78.6 117.8#

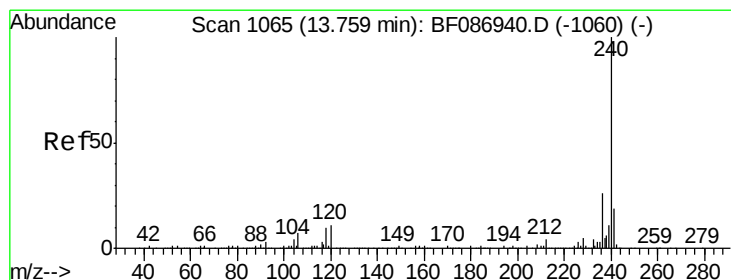
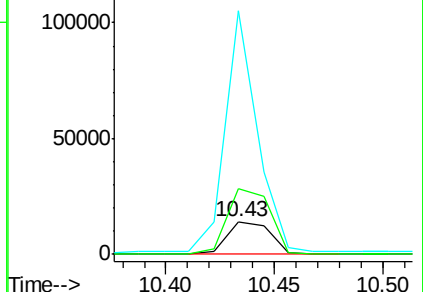
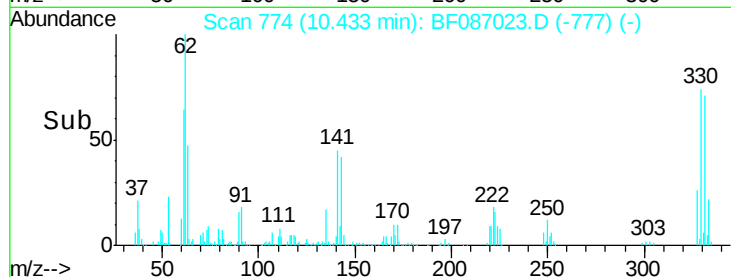
141 749.8 76.0 114.0#



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: BF087023.D

Acq: 14 May 2016 16:42

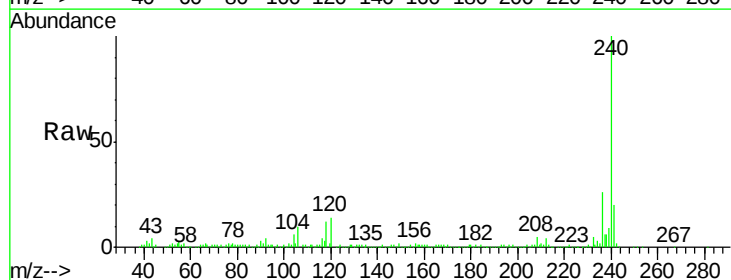
Tgt Ion:240 Resp: 300253

Ion Ratio Lower Upper

240 100

120 14.3 11.2 16.8

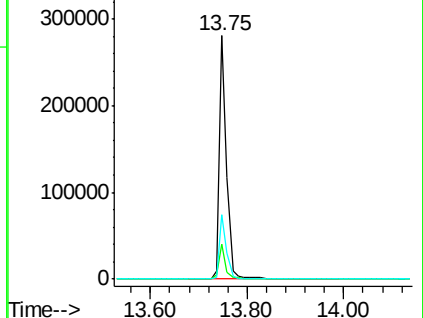
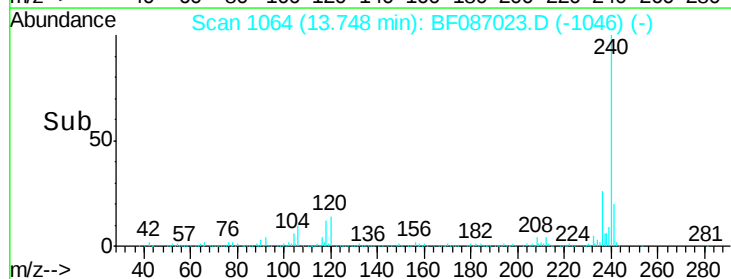
236 26.5 21.2 31.8

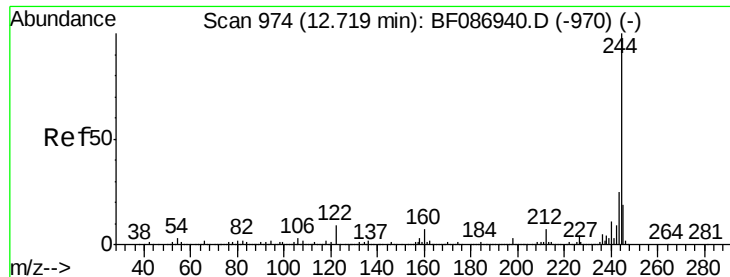


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

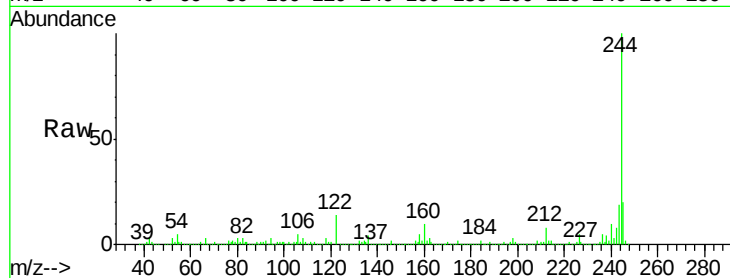




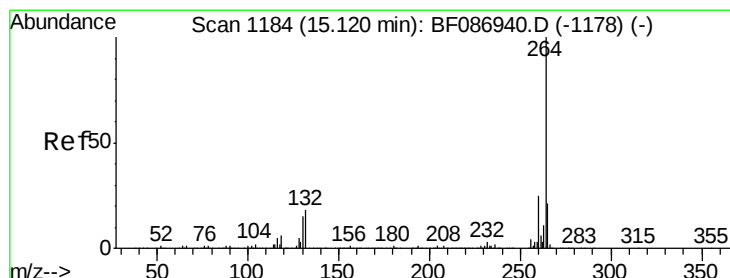
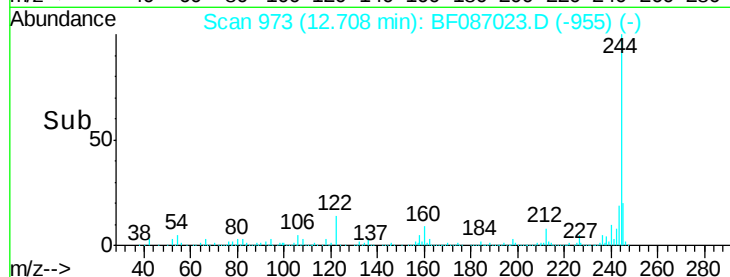
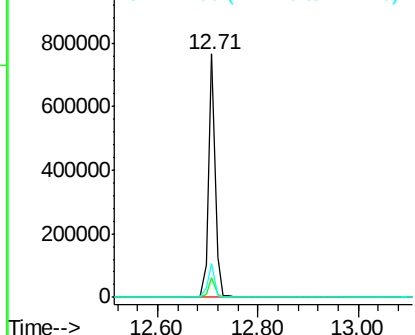
#78
 Terphenyl-d14
 Concen: 49.36 ng
 RT: 12.71 min Scan# 973
 Delta R.T. -0.09 min
 Lab File: BF087023.D
 Acq: 14 May 2016 16:42

Instrument :
 BNA_F
 ClientSampleId :
 MW-14

Tgt Ion:244 Resp: 698524
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 13.7 12.0 18.0

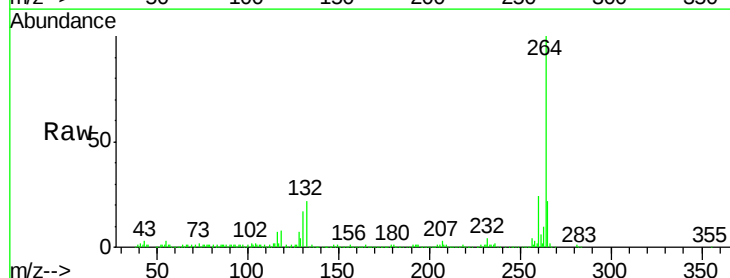


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. -0.10 min
 Lab File: BF087023.D
 Acq: 14 May 2016 16:42

Tgt Ion:264 Resp: 278829
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 22.3 17.3 25.9



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

