

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020416\
 Data File : BF084833.D
 Acq On : 4 Feb 2016 17:16
 Operator : SJ/IZ
 Sample : H1306-01 50X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-RL01

Quant Time: Feb 05 01:36:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

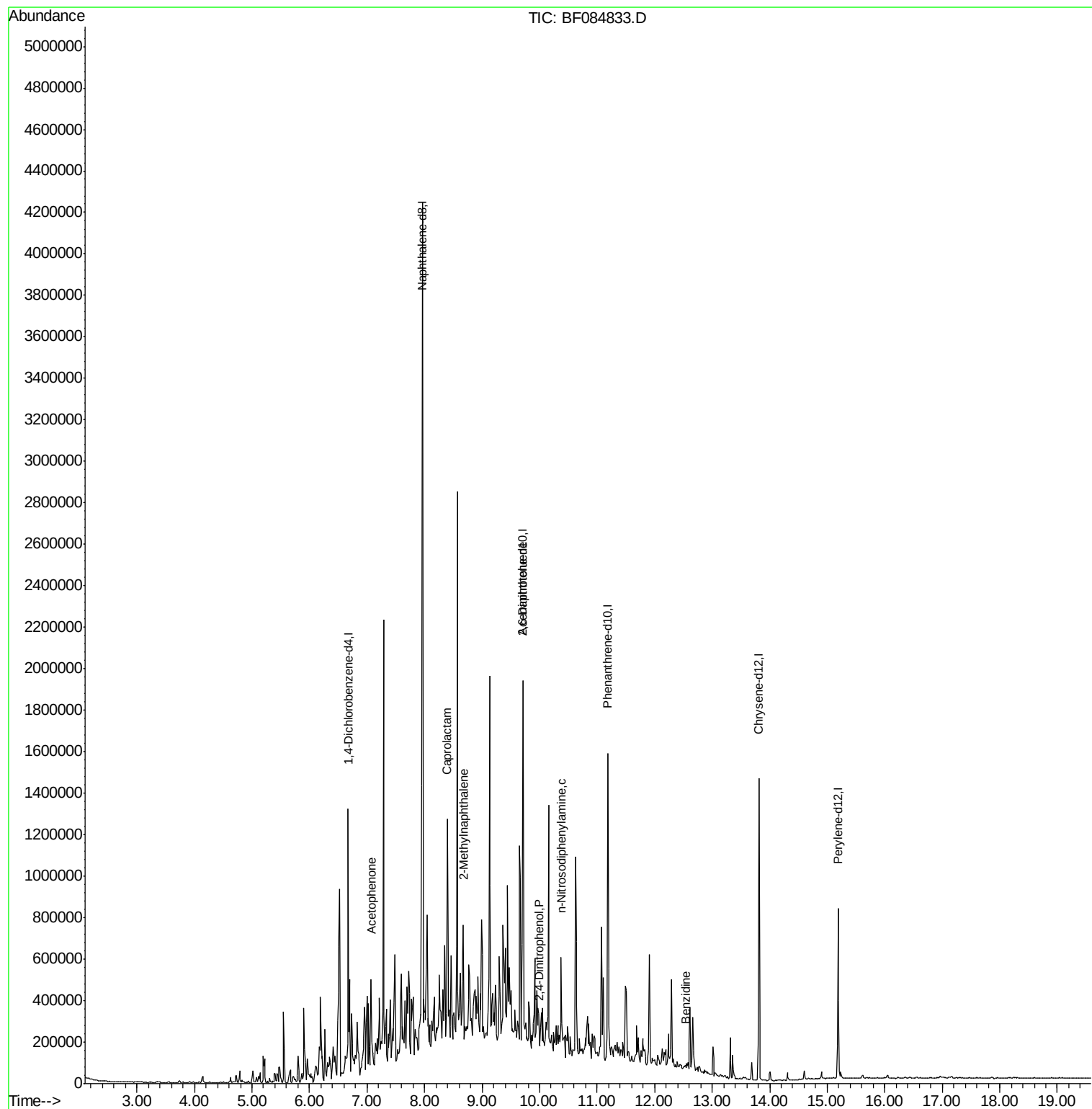
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	159034	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	628701	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	316819	20.00	ng	-0.02
63) Phenanthrene-d10	11.18	188	545841	20.00	ng	-0.02
75) Chrysene-d12	13.81	240	492647	20.00	ng	-0.02
86) Perylene-d12	15.19	264	358596	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	2053	0.20	ng	-0.01
7) Phenol-d6	6.33	99	2738	0.22	ng	-0.01
23) Nitrobenzene-d5	7.21	82	5041	0.45	ng	-0.06
41) 2,4,6-Tribromophenol	10.50	330	562	0.17	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	4619	-1.00	ng	-0.02
78) Terphenyl-d14	12.77	244	3707	0.17	ng	-0.02
Target Compounds						
22) Acetophenone	7.07	105	38598	2.33	ng	# 47
35) Caprolactam	8.40	113	21356	7.90	ng	# 1
37) 2-Methylnaphthalene	8.67	142	132897	6.73	ng	97
50) 2,6-Dinitrotoluene	9.71	165	48101	9.12	ng	# 39
53) 2,4-Dinitrophenol	10.00	184	824	6.12	ng	# 45
60) 4-Chlorophenyl-phenylether	10.18	204	230	Below Cal		# 1
65) n-Nitrosodiphenylamine	10.37	169	35584	2.05	ng	# 43
76) Benzidine	12.54	184	211	6.90	ng	# 66

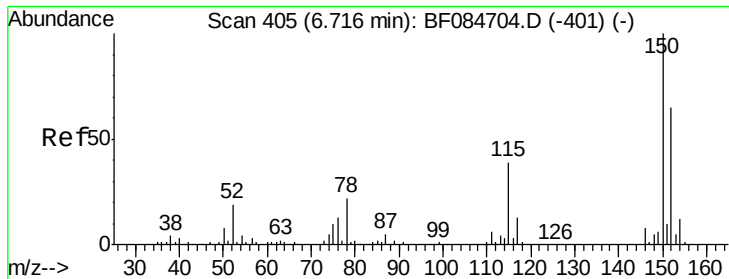
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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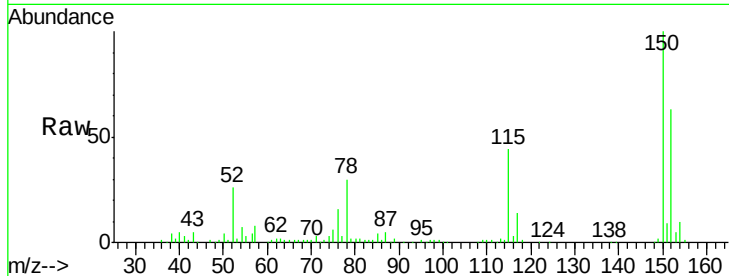


#1

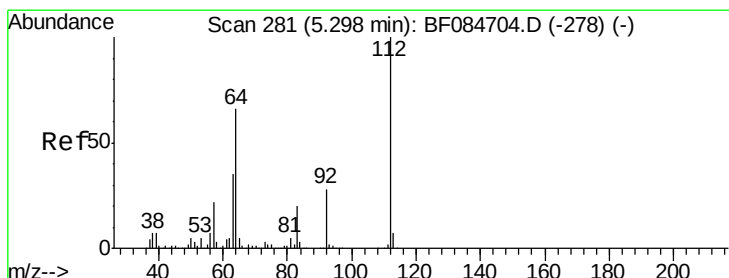
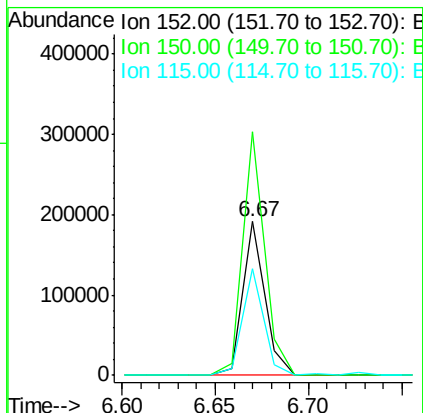
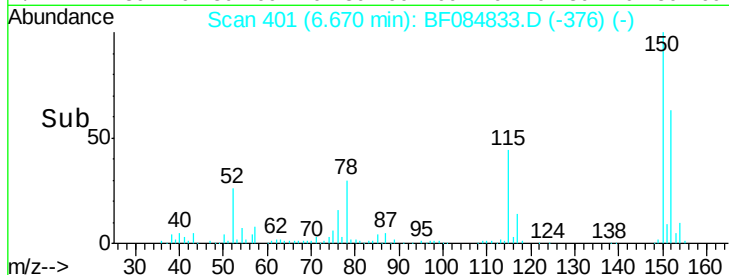
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: BF084833.D
 Acq: 4 Feb 2016 17:16

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-RL01

Tgt Ion:152 Resp: 159034
 Ion Ratio Lower Upper
 152 100
 150 158.2 123.0 184.4
 115 69.3 51.4 77.2



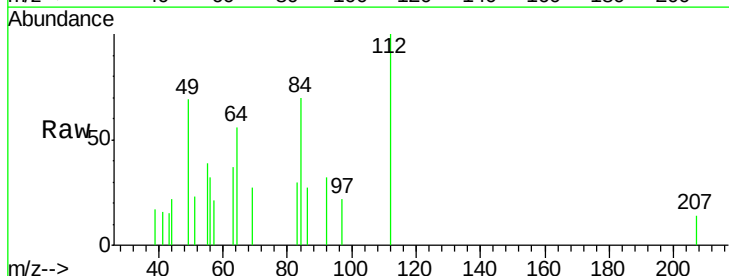
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



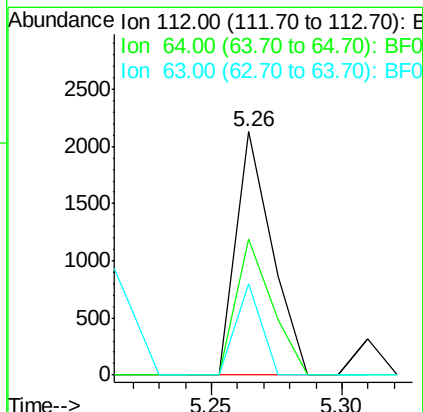
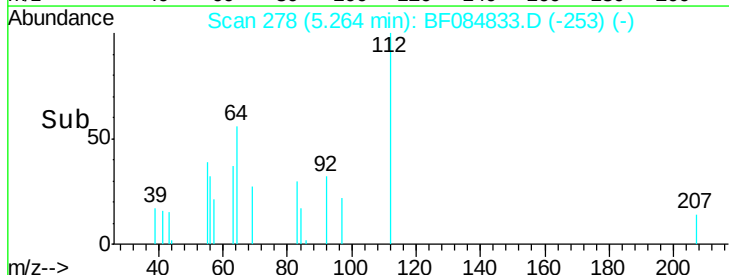
#5

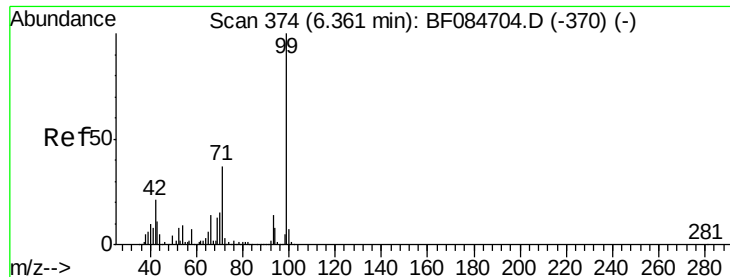
2-Fluorophenol
 Concen: 0.20 ng
 RT: 5.26 min Scan# 278
 Delta R.T. -0.01 min
 Lab File: BF084833.D
 Acq: 4 Feb 2016 17:16

Tgt Ion:112 Resp: 2053
 Ion Ratio Lower Upper
 112 100
 64 55.8 36.6 55.0#
 63 37.4 19.4 29.0#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.22 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF084833.D

Acq: 4 Feb 2016 17:16

Instrument :

BNA_F

ClientSampleId :

BLFS-RL01

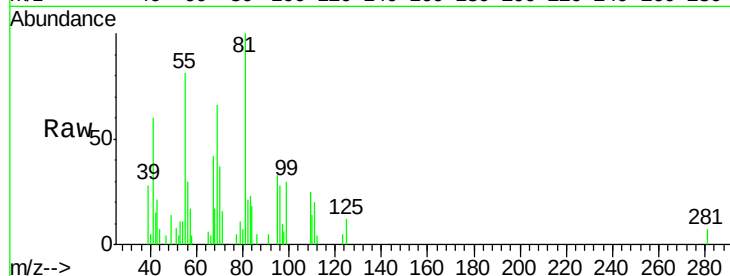
Tgt Ion: 99 Resp: 2738

Ion Ratio Lower Upper

99 100

42 50.3 12.8 19.2#

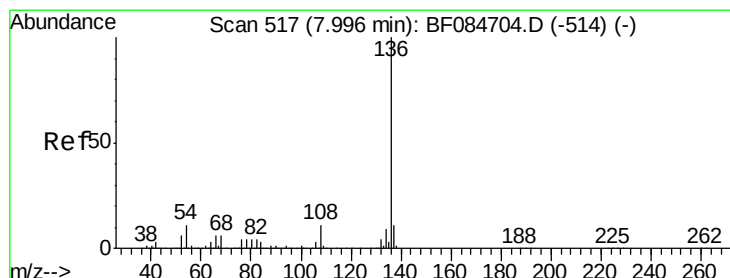
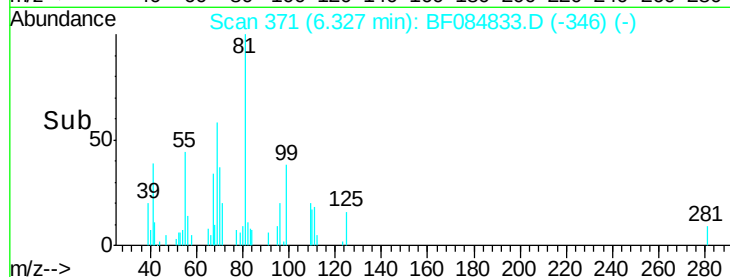
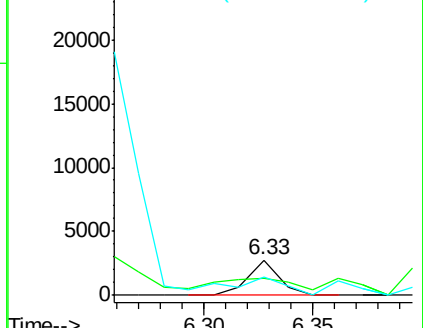
71 53.0 30.9 46.3#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF084833.D

Acq: 4 Feb 2016 17:16

Tgt Ion: 136 Resp: 628701

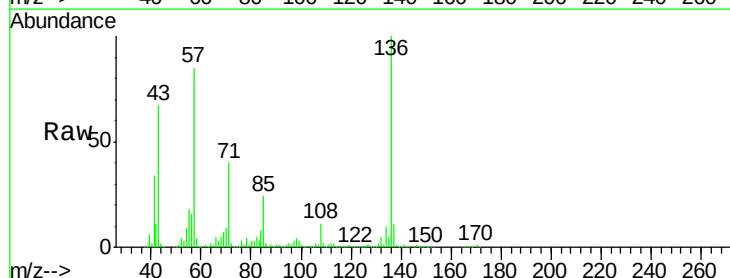
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 9.4 5.8 8.8#

68 5.4 4.2 6.2

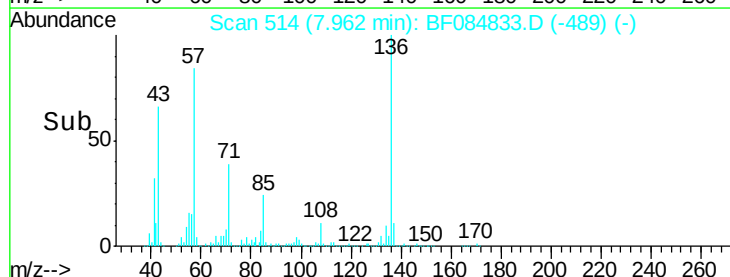
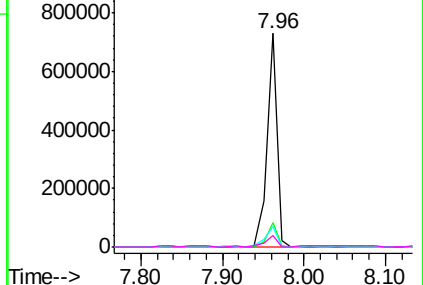


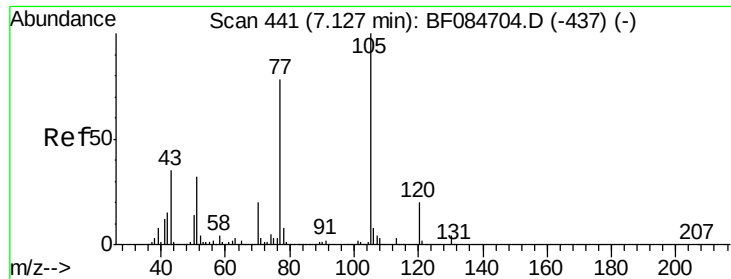
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 2.33 ng

RT: 7.07 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF084833.D

Acq: 4 Feb 2016 17:16

Instrument :

BNA_F

ClientSampleId :

BLFS-RL01

Tgt Ion: 105 Resp: 38598

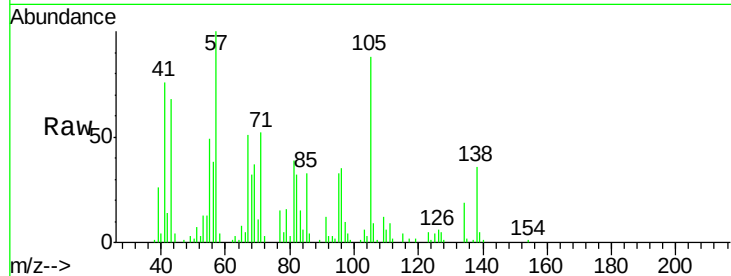
Ion Ratio Lower Upper

105 100

71 58.5 3.7 5.5#

51 8.4 25.1 37.7#

120 0.0 16.6 25.0#



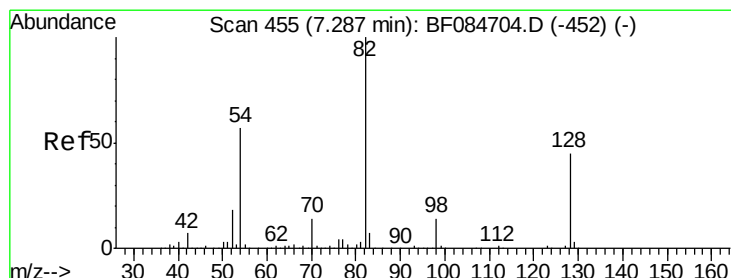
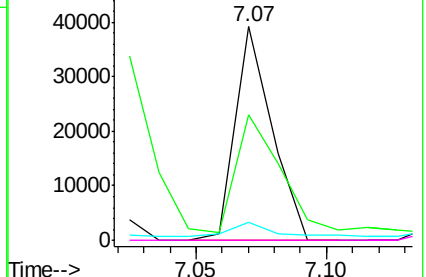
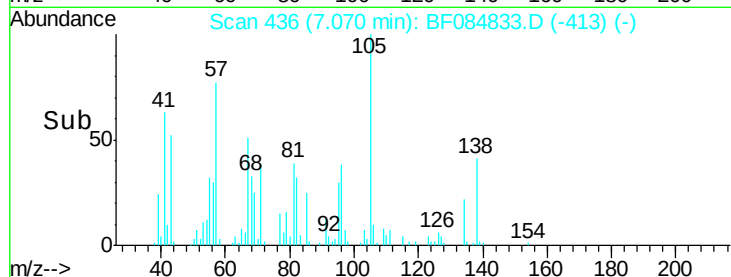
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



#23

Nitrobenzene-d5

Concen: 0.45 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.06 min

Lab File: BF084833.D

Acq: 4 Feb 2016 17:16

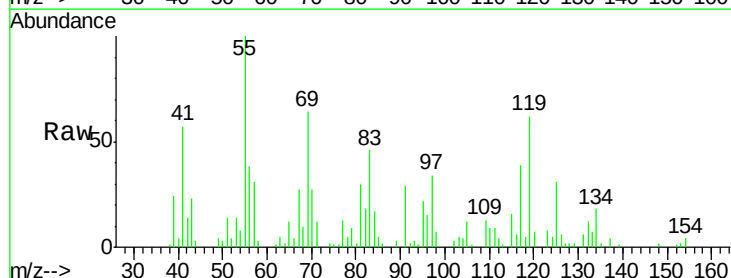
Tgt Ion: 82 Resp: 5041

Ion Ratio Lower Upper

82 100

128 11.7 34.6 51.8#

54 45.1 38.4 57.6

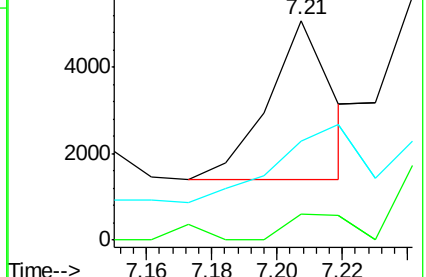
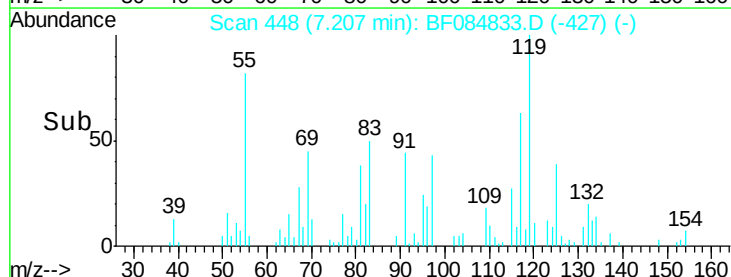


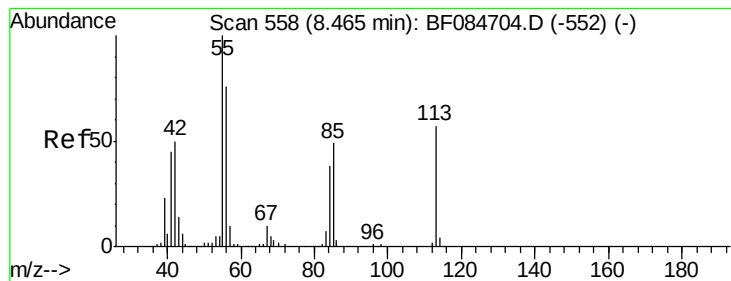
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->





#35

Caprolactam

Concen: 7.90 ng

RT: 8.40 min Scan# 552

Delta R.T. -0.05 min

Lab File: BF084833.D

Acq: 4 Feb 2016 17:16

Instrument :

BNA_F

ClientSampleId :

BLFS-RL01

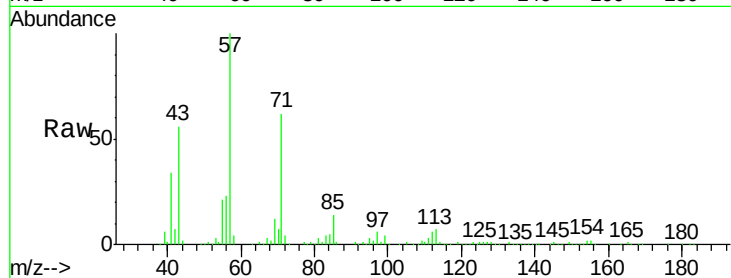
Tgt Ion:113 Resp: 21356

Ion Ratio Lower Upper

113 100

55 292.1 116.9 156.9#

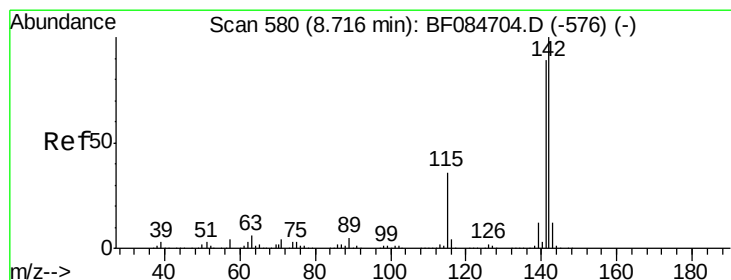
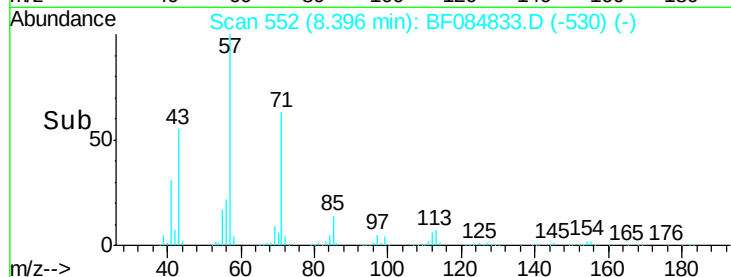
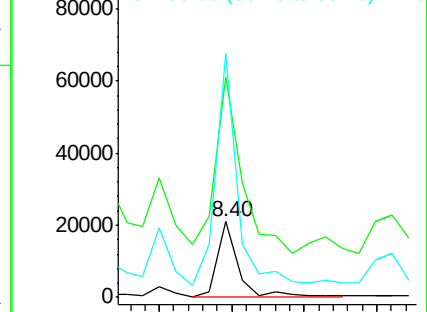
56 322.6 93.8 133.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 6.73 ng

RT: 8.67 min Scan# 576

Delta R.T. -0.02 min

Lab File: BF084833.D

Acq: 4 Feb 2016 17:16

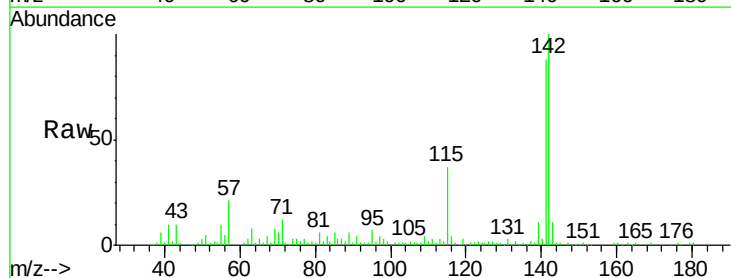
Tgt Ion:142 Resp: 132897

Ion Ratio Lower Upper

142 100

141 88.3 72.4 108.6

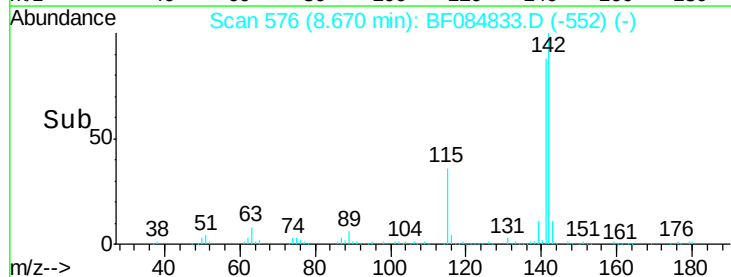
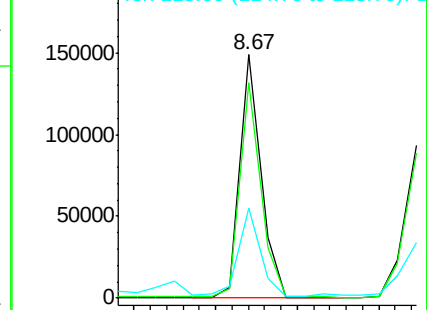
115 36.9 27.9 41.9

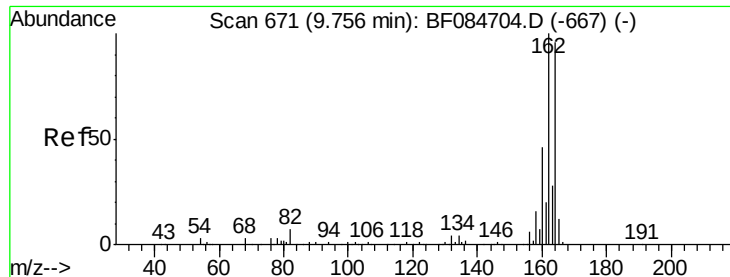


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF084833.D

Acq: 4 Feb 2016 17:16

Instrument :

BNA_F

ClientSampleId :

BLFS-RL01

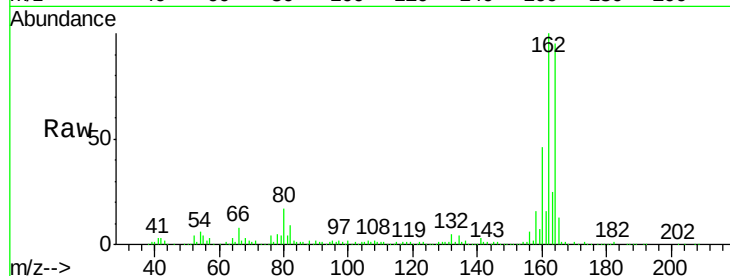
Tgt Ion:164 Resp: 316819

Ion Ratio Lower Upper

164 100

162 104.8 85.1 127.7

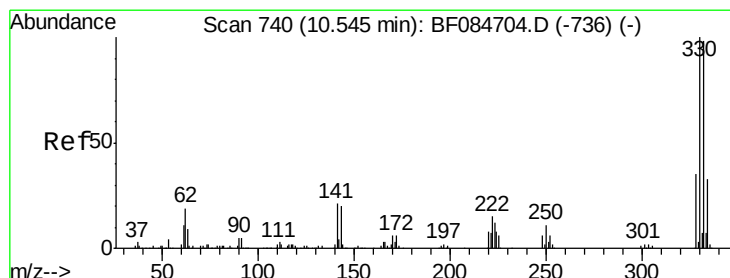
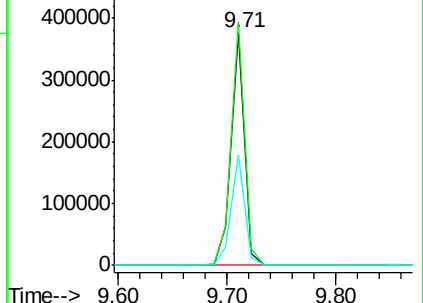
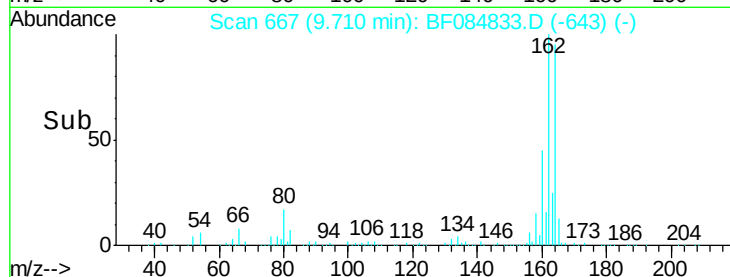
160 47.7 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 0.17 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.02 min

Lab File: BF084833.D

Acq: 4 Feb 2016 17:16

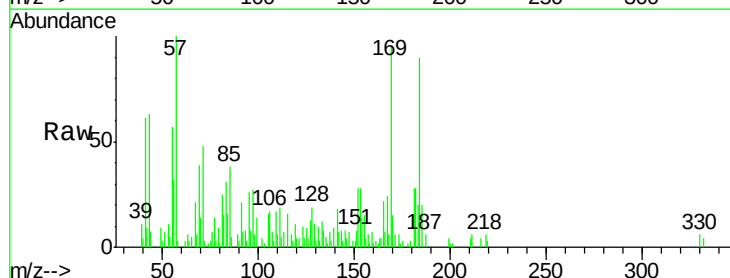
Tgt Ion:330 Resp: 562

Ion Ratio Lower Upper

330 100

332 68.9 76.6 114.8#

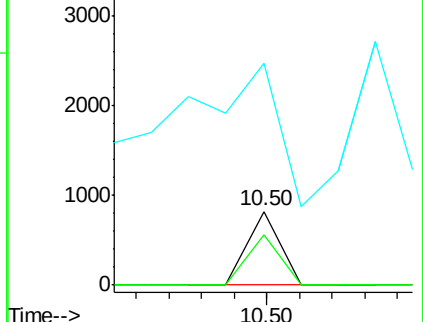
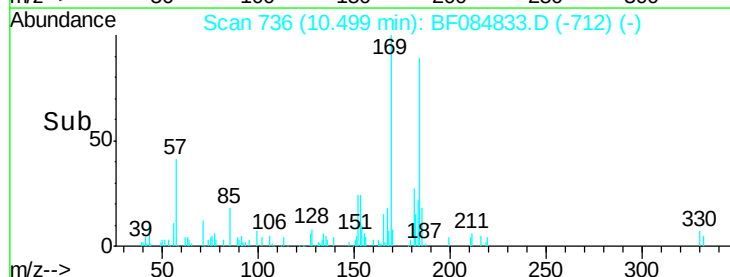
141 660.1 27.8 41.6#

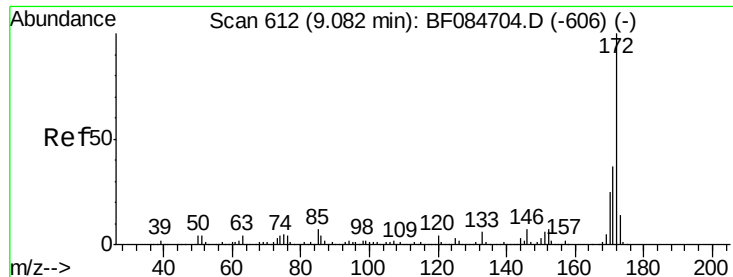


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

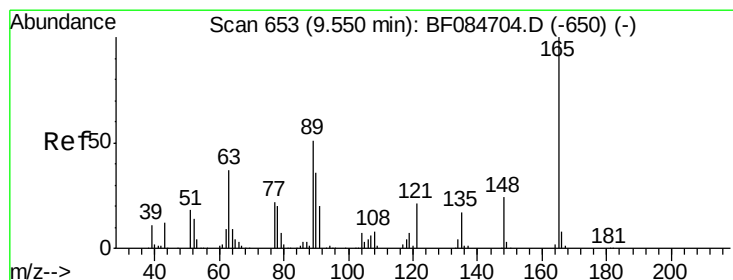
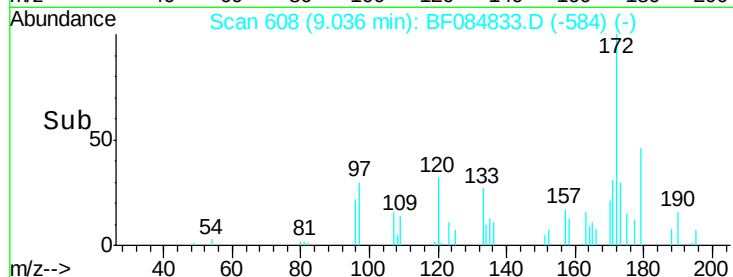
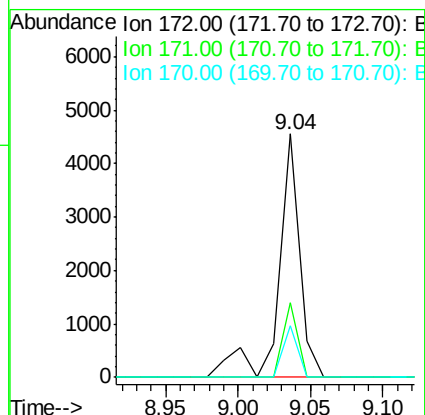
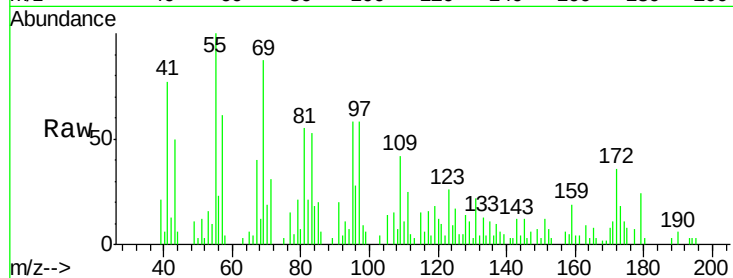




#44
 2-Fluorobiphenyl
 Concen: -1.00 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF084833.D
 Acq: 4 Feb 2016 17:16

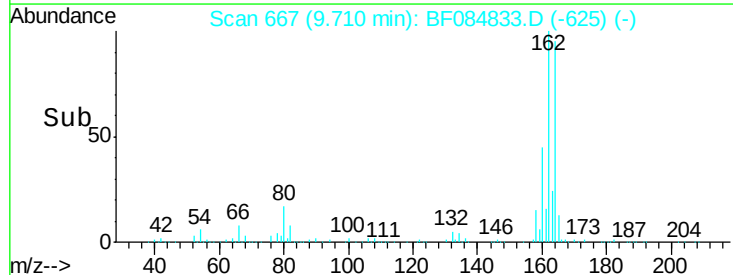
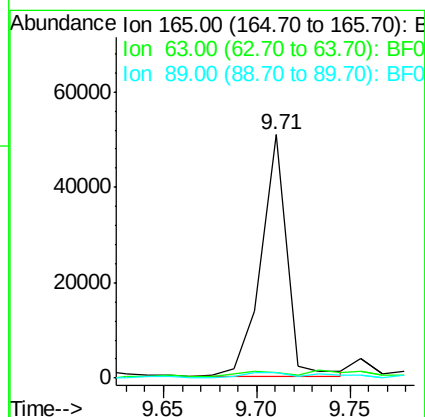
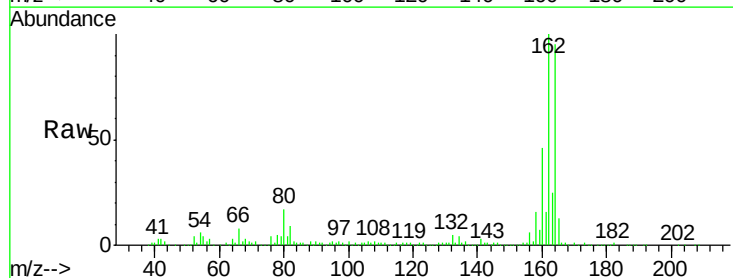
Instrument :
 BNA_F
 ClientSampleId :
 BLFS-RL01

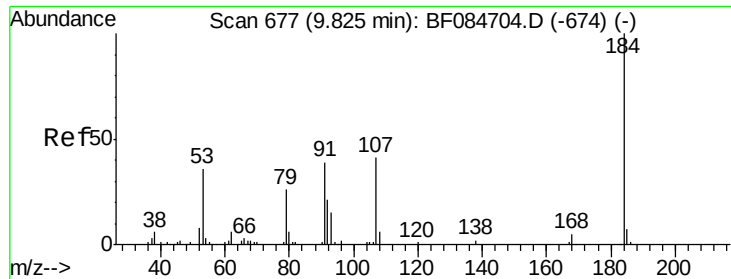
Tgt Ion:172 Resp: 4619
 Ion Ratio Lower Upper
 172 100
 171 30.7 28.9 43.3
 170 21.1 18.6 27.8



#50
 2,6-Dinitrotoluene
 Concen: 9.12 ng
 RT: 9.71 min Scan# 667
 Delta R.T. 0.18 min
 Lab File: BF084833.D
 Acq: 4 Feb 2016 17:16

Tgt Ion:165 Resp: 48101
 Ion Ratio Lower Upper
 165 100
 63 2.1 28.8 43.2#
 89 2.4 35.1 52.7#

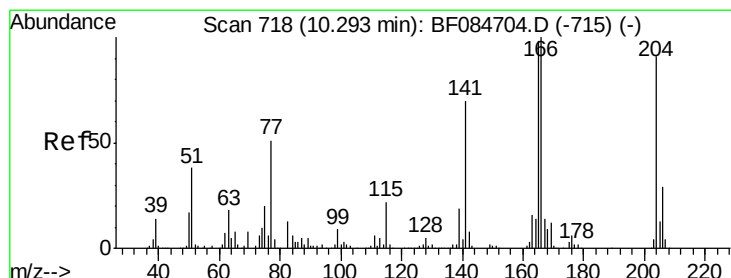
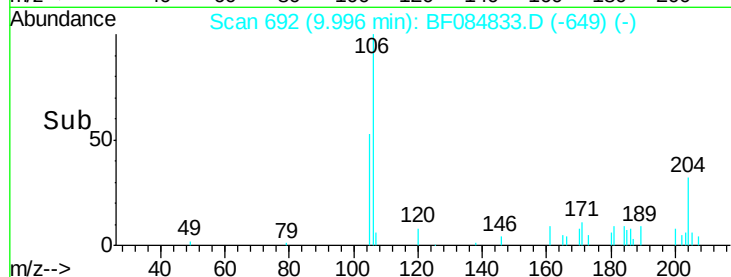
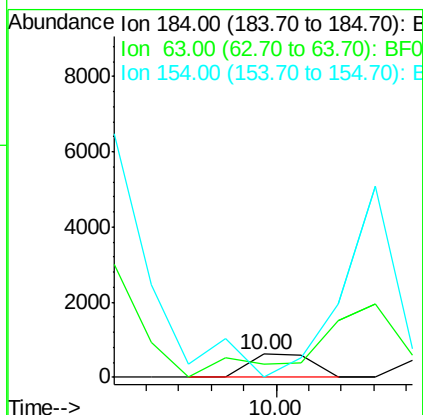
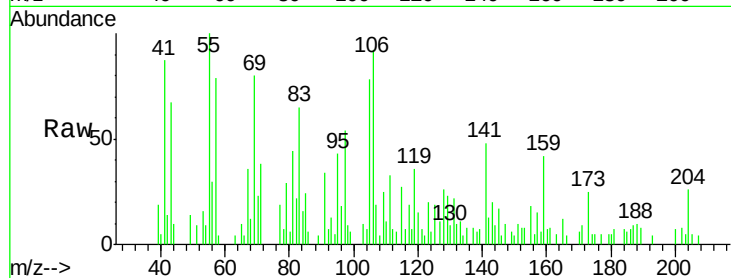




#53
2,4-Dinitrophenol
Concen: 6.12 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.19 min
Lab File: BF084833.D
Acq: 4 Feb 2016 17:16

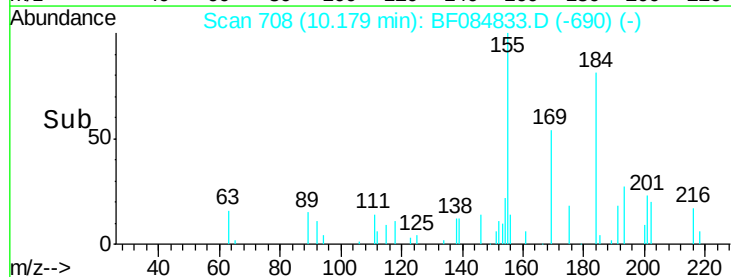
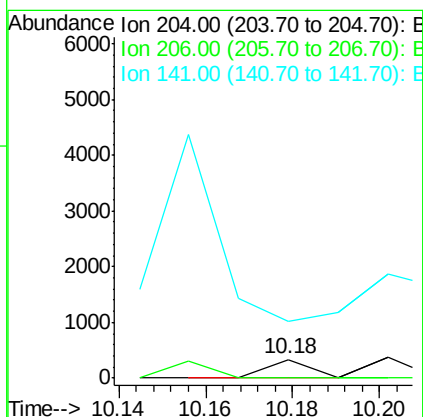
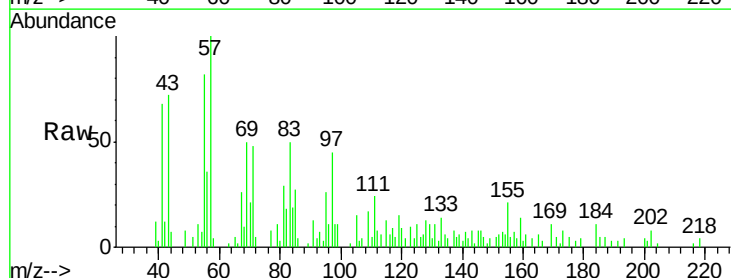
Instrument :
BNA_F
ClientSampleId :
BLFS-RL01

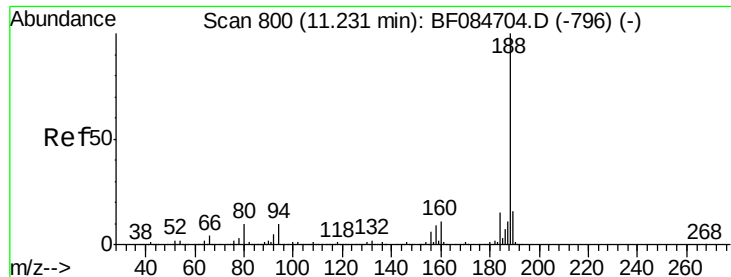
Tgt Ion:184 Resp: 824
Ion Ratio Lower Upper
184 100
63 59.4 43.1 64.7
154 0.0 60.5 90.7#



#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.18 min Scan# 708
Delta R.T. -0.09 min
Lab File: BF084833.D
Acq: 4 Feb 2016 17:16

Tgt Ion:204 Resp: 230
Ion Ratio Lower Upper
204 100
206 0.0 25.7 38.5#
141 304.5 55.1 82.7#

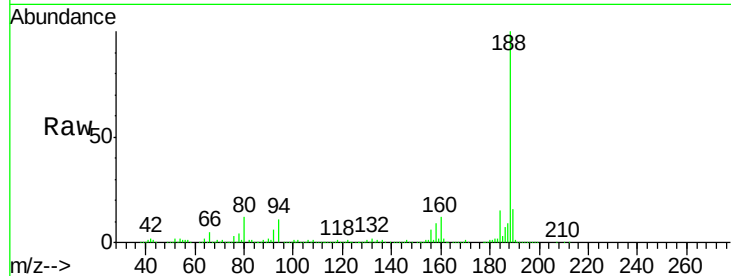




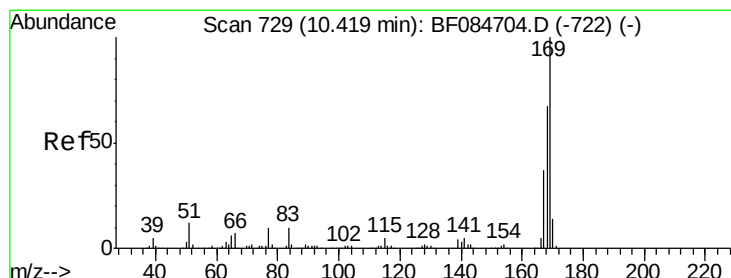
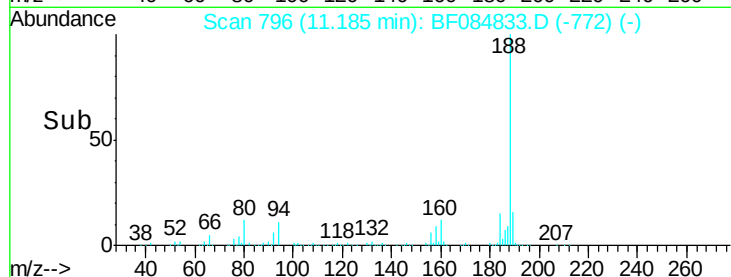
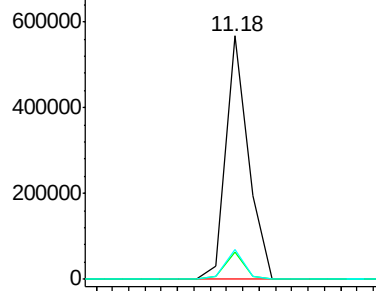
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF084833.D
Acq: 4 Feb 2016 17:16

Instrument :
BNA_F
ClientSampleId :
BLFS-RL01

Tgt Ion:188 Resp: 545841
Ion Ratio Lower Upper
188 100
94 11.2 9.0 13.4
80 12.1 9.6 14.4

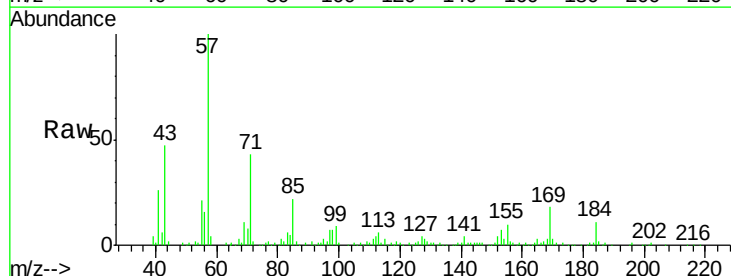


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

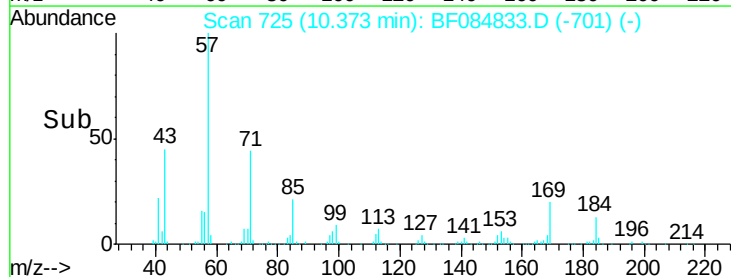
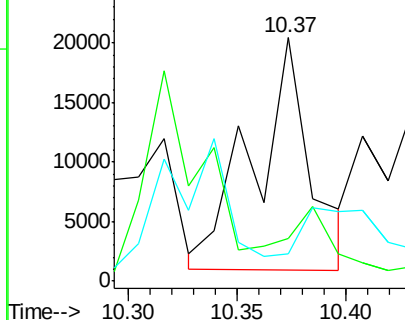


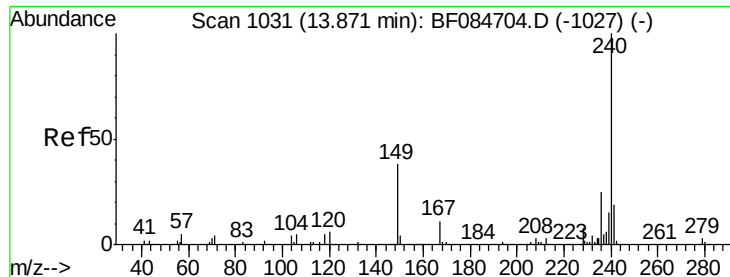
#65
n-Nitrosodiphenylamine
Concen: 2.05 ng
RT: 10.37 min Scan# 725
Delta R.T. -0.02 min
Lab File: BF084833.D
Acq: 4 Feb 2016 17:16

Tgt Ion:169 Resp: 35584
Ion Ratio Lower Upper
169 100
168 17.3 55.1 82.7#
167 11.0 30.0 45.0#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF084833.D

Acq: 4 Feb 2016 17:16

Instrument :

BNA_F

ClientSampleId :

BLFS-RL01

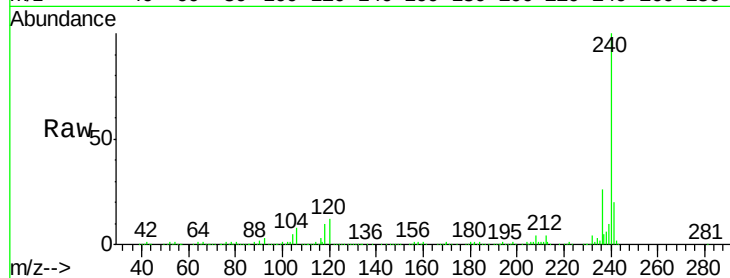
Tgt Ion:240 Resp: 492647

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

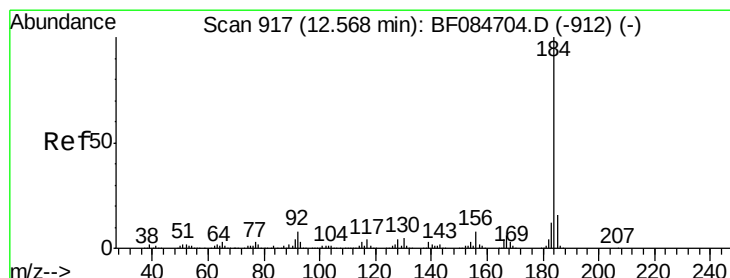
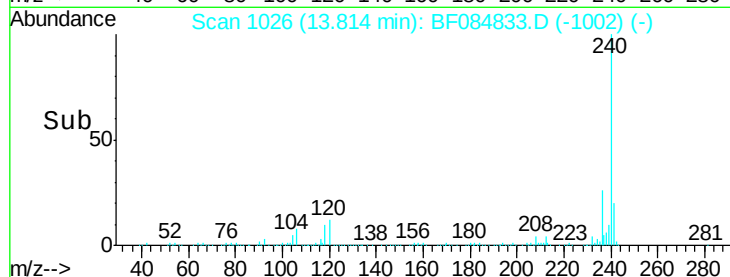
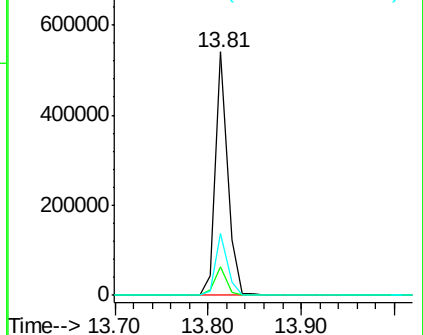
236 25.6 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 6.90 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.00 min

Lab File: BF084833.D

Acq: 4 Feb 2016 17:16

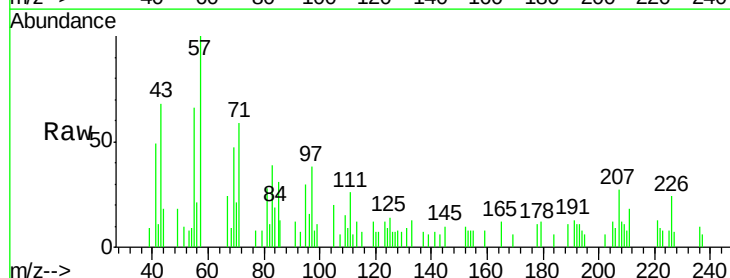
Tgt Ion:184 Resp: 211

Ion Ratio Lower Upper

184 100

185 0.0 12.2 18.2#

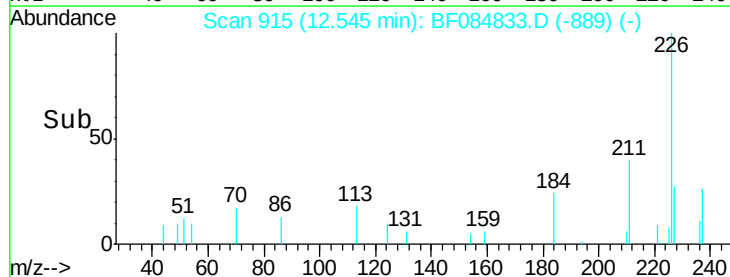
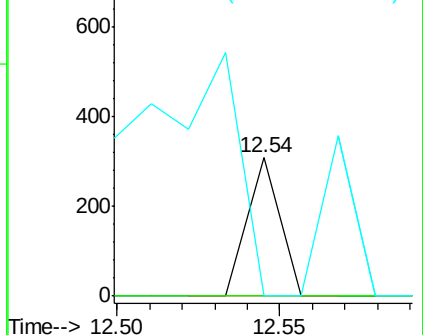
183 0.0 9.8 14.8#

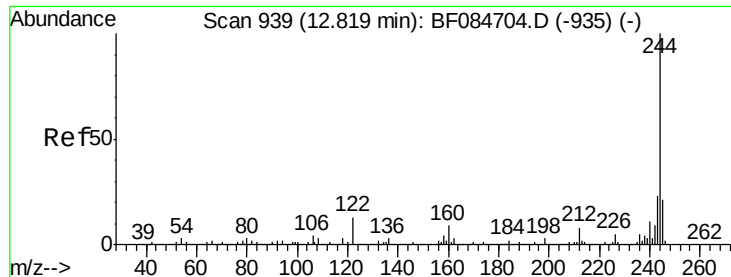


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

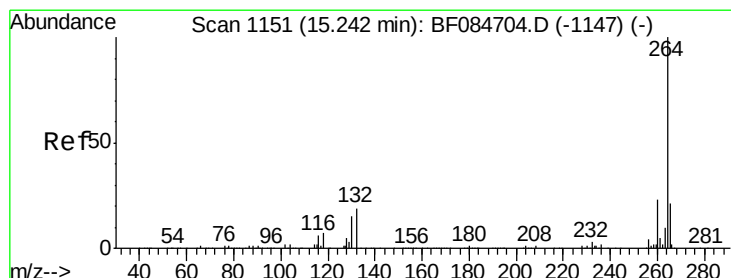
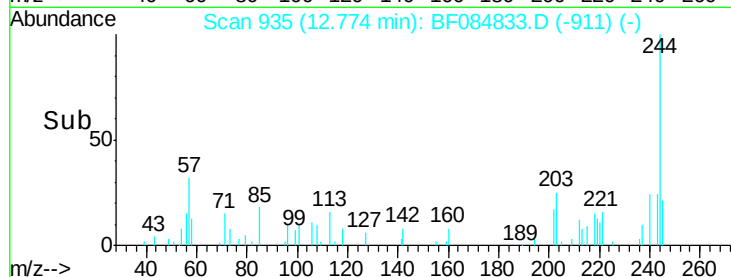
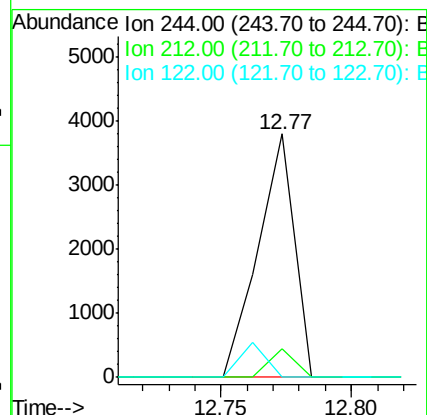
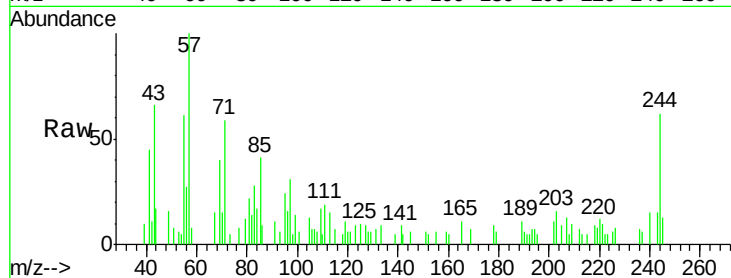




#78
 Terphenyl-d14
 Concen: 0.17 ng
 RT: 12.77 min Scan# 935
 Delta R.T. -0.02 min
 Lab File: BF084833.D
 Acq: 4 Feb 2016 17:16

Instrument :
 BNA_F
 ClientSampleId :
 BLFS-RL01

Tgt Ion: 244 Resp: 3707
 Ion Ratio Lower Upper
 244 100
 212 11.7 5.7 8.5#
 122 0.0 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.19 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BF084833.D
 Acq: 4 Feb 2016 17:16

Tgt Ion: 264 Resp: 358596
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.4 29.2
 265 22.6 17.8 26.6

