

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
 Data File : BF086802.D
 Acq On : 8 May 2016 4:46
 Operator : UM/SJ
 Sample : H2886-01 50X
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR9918-A

Quant Time: May 09 00:55:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

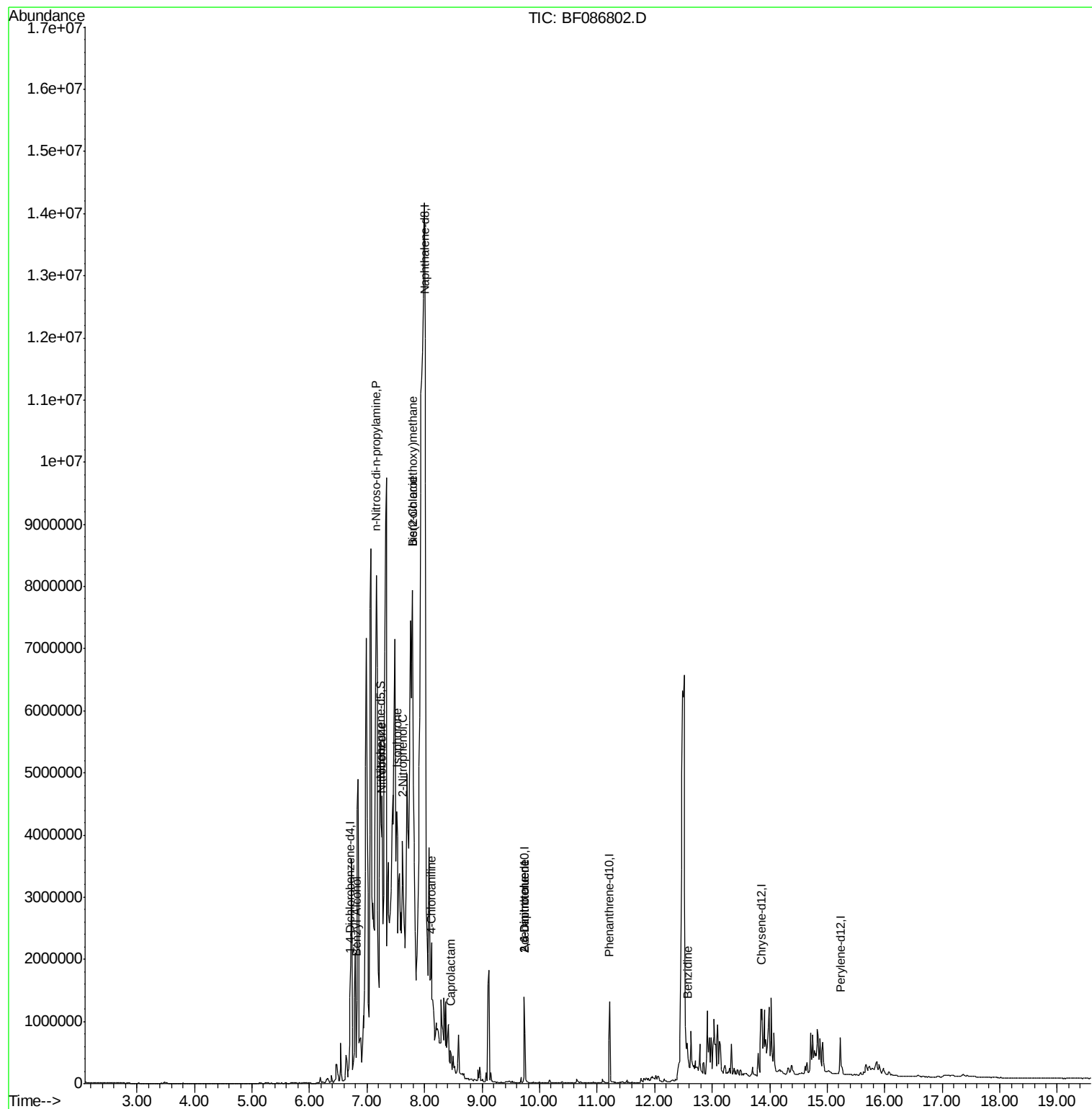
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	169885	40.00	ng	-0.03
21) Naphthalene-d8	8.01	136	181849	40.00	ng	-0.02
38) Acenaphthene-d10	9.73	164	321259	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	587655	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	401794	40.00	ng	-0.03
86) Perylene-d12	15.23	264	329838	40.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.32	99	1463	0.11	ng	-0.06
23) Nitrobenzene-d5	7.24	82	22997	6.50	ng	-0.07
41) 2,4,6-Tribromophenol	10.53	330	643	0.20	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	5224	0.27	ng	-0.03
78) Terphenyl-d14	12.80	244	4851	0.24	ng	-0.05
Target Compounds						
15) Benzyl Alcohol	6.82	79	20535	2.30	ng	# 52
19) n-Nitroso-di-n-propylamine	7.16	70	540867	57.27	ng	# 65
24) Nitrobenzene	7.25	77	18030	4.93	ng	# 32
25) Isophorone	7.52	82	114019	17.30	ng	# 1
26) 2-Nitrophenol	7.62	139	11216	6.87	ng	# 1
28) bis(2-Chloroethoxy)methane	7.79	93	9736	2.68	ng	# 1
32) Benzoic acid	7.79	122	9006	15.06	ng	# 1
33) 4-Chloroaniline	8.11	127	35463	9.85	ng	# 68
35) Caprolactam	8.45	113	7942	10.41	ng	# 1
50) 2,6-Dinitrotoluene	9.73	165	41167	8.01	ng	# 21
56) 2,4-Dinitrotoluene	9.73	165	41602	6.53	ng	# 16
76) Benzidine	12.57	184	104355	15.17	ng	# 95

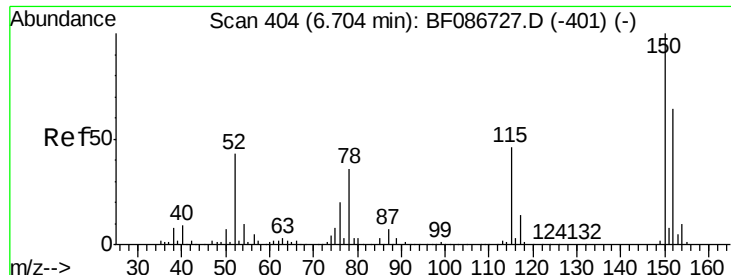
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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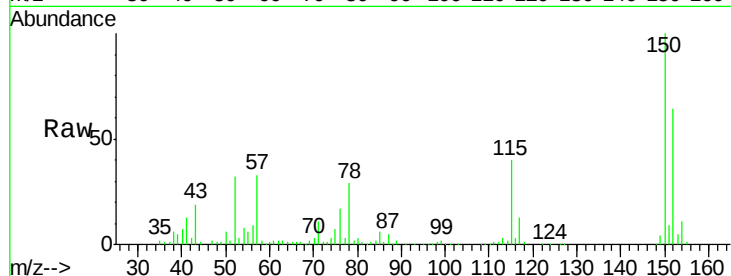




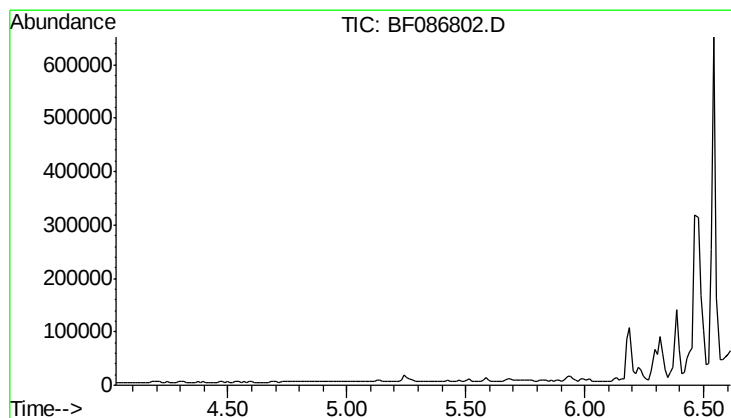
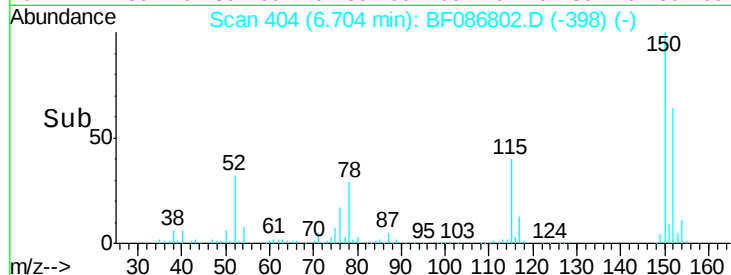
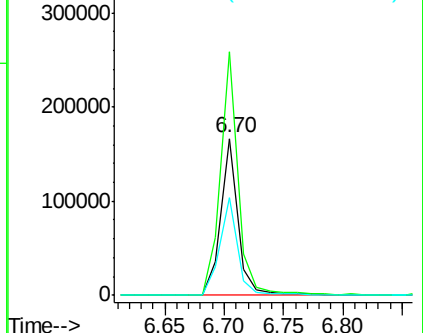
#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ng
 RT: 6.70 min Scan# 404
 Delta R.T. -0.03 min
 Lab File: BF086802.D
 Acq: 8 May 2016 4:46

Instrument :
 BNA_F
 ClientSampleId :
 LAR9918-A

Tgt Ion: 152 Resp: 169885
 Ion Ratio Lower Upper
 152 100
 150 155.1 125.8 188.6
 115 62.5 51.5 77.3



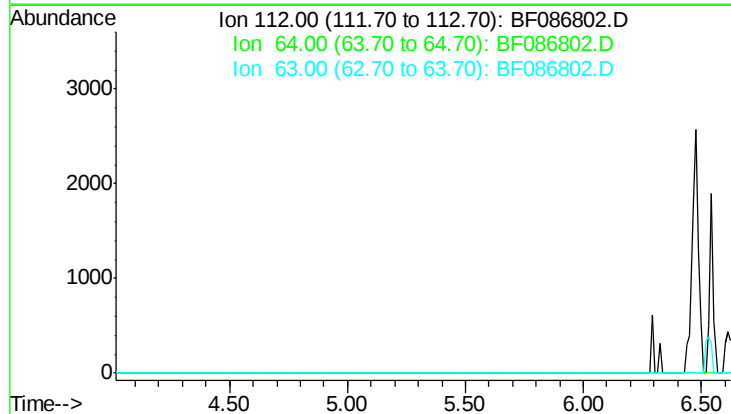
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

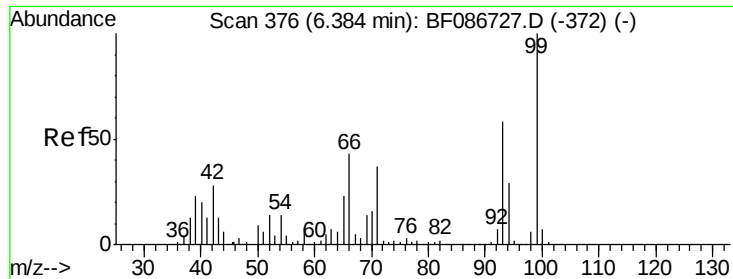


#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.32 min

Lab File: BF086802.D
 Acq: 8 May 2016 4:46

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 65.1
 63 32.1





#7

Phenol-d6

Concen: 0.11 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.06 min

Lab File: BF086802.D

Acq: 8 May 2016 4:46

Instrument :

BNA_F

ClientSampleId :

LAR9918-A

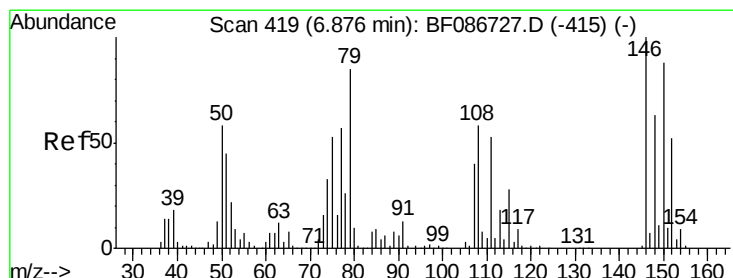
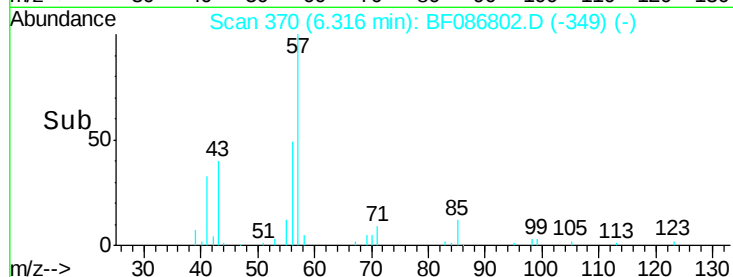
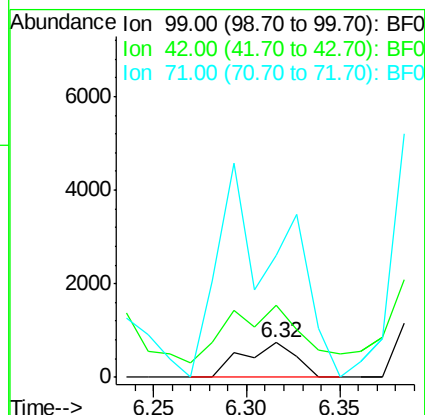
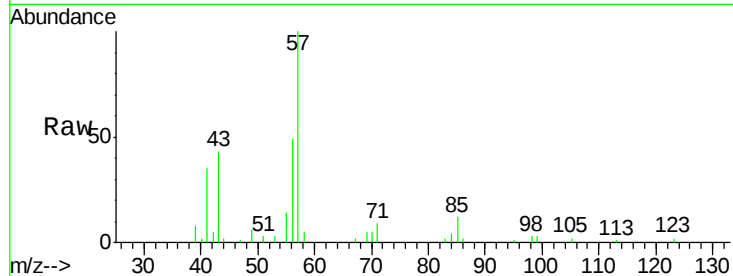
Tgt Ion: 99 Resp: 1463

Ion Ratio Lower Upper

99 100

42 206.1 13.6 20.4#

71 350.4 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.30 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.07 min

Lab File: BF086802.D

Acq: 8 May 2016 4:46

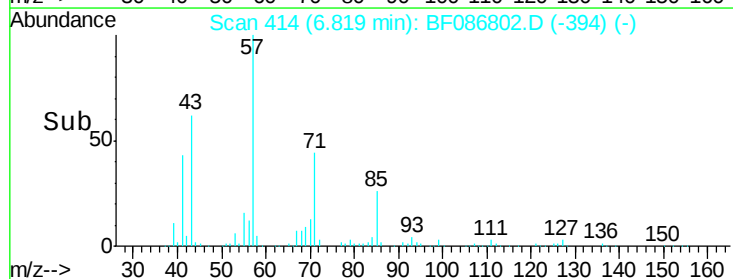
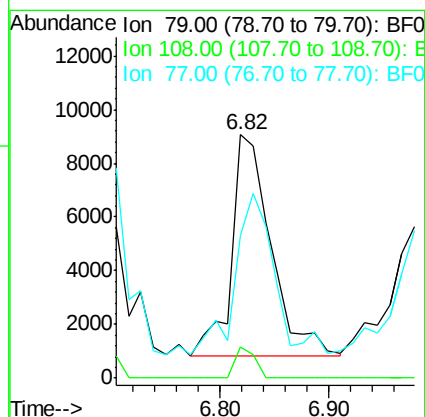
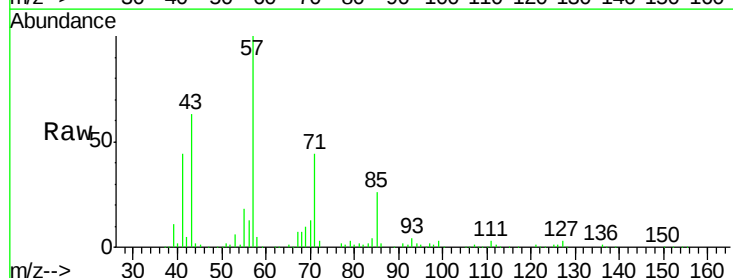
Tgt Ion: 79 Resp: 20535

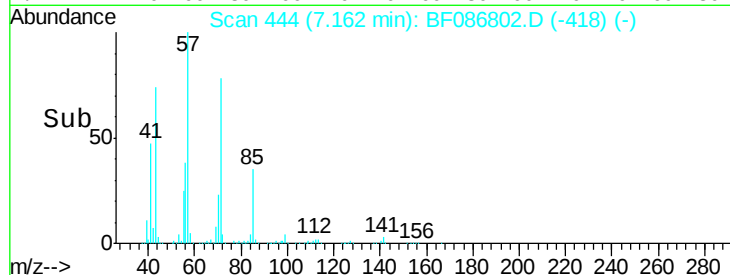
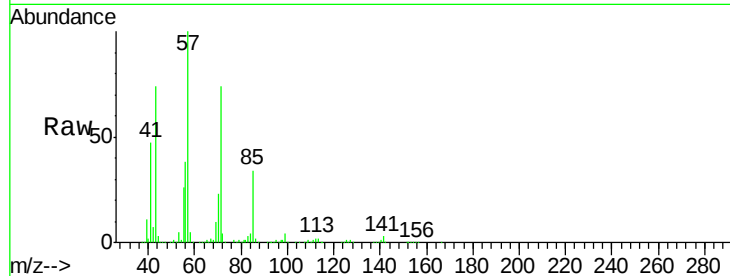
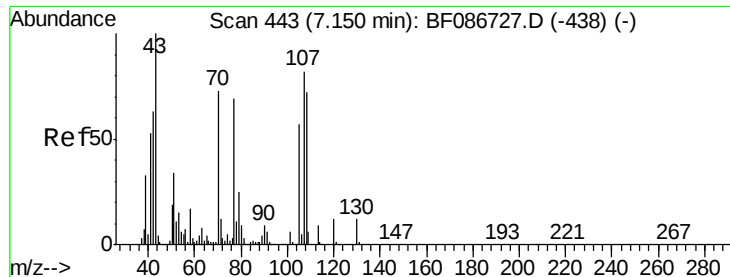
Ion Ratio Lower Upper

79 100

108 12.8 68.4 102.6#

77 58.3 50.6 76.0

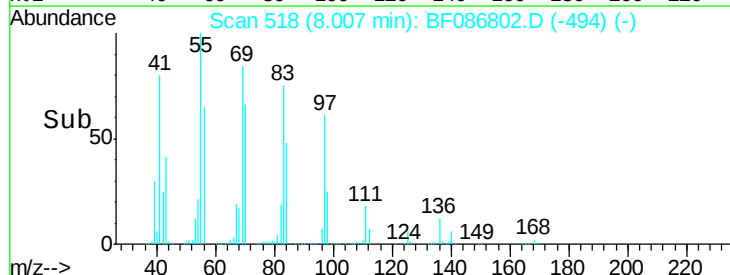
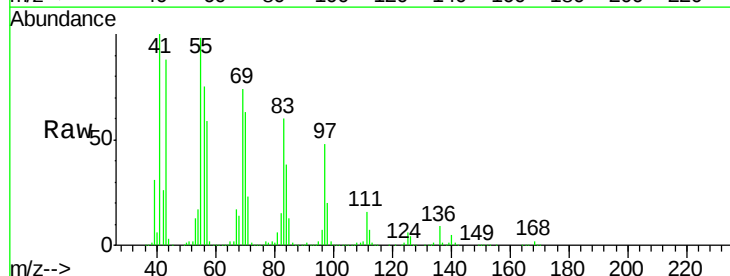
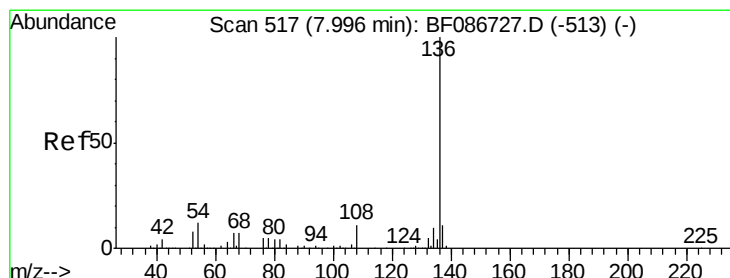
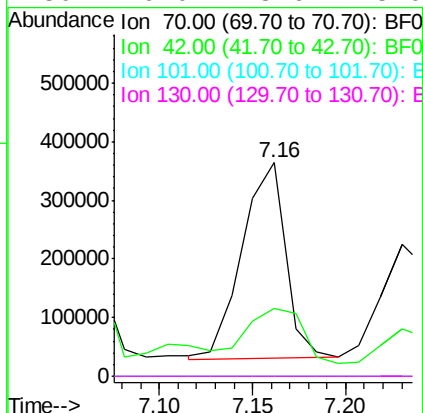




#19
n-Nitroso-di-n-propylamine
Concen: 57.27 ng
RT: 7.16 min Scan# 444
Delta R.T. 0.00 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

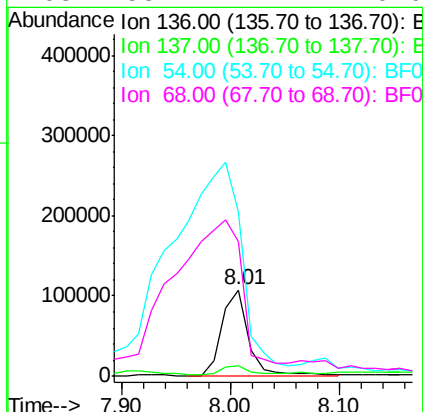
Instrument :
BNA_F
ClientSampleId :
LAR9918-A

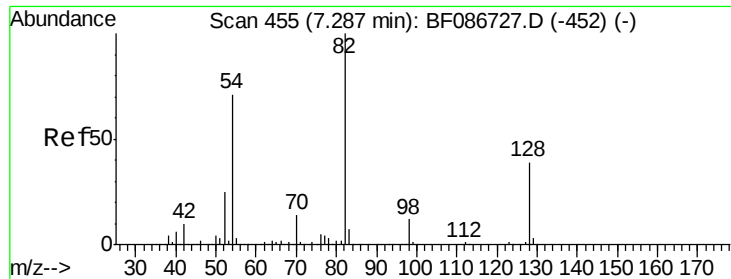
Tgt Ion: 70 Resp: 540867
Ion Ratio Lower Upper
70 100
42 32.0 43.1 64.7#
101 0.0 8.1 12.1#
130 0.0 18.6 28.0#



#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

Tgt Ion: 136 Resp: 181849
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 190.2 5.0 7.4#
68 155.2 4.4 6.6#

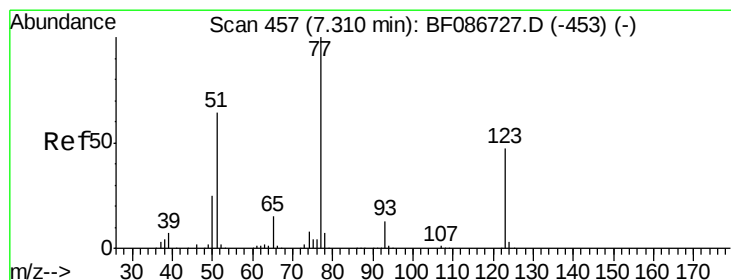
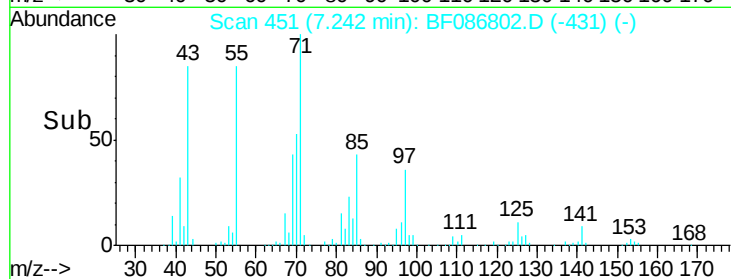
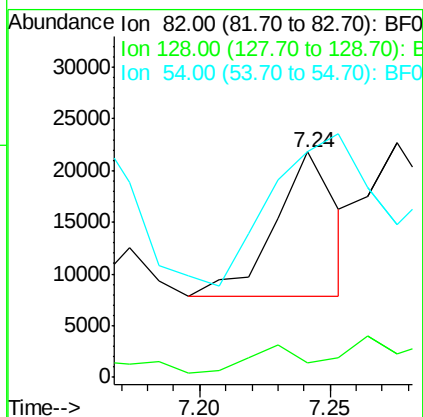
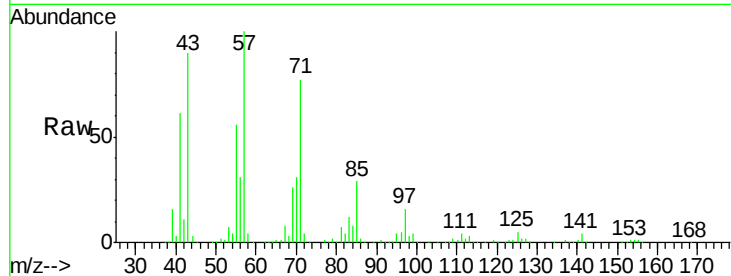




#23
 Nitrobenzene-d5
 Concen: 6.50 ng
 RT: 7.24 min Scan# 451
 Delta R.T. -0.07 min
 Lab File: BF086802.D
 Acq: 8 May 2016 4:46

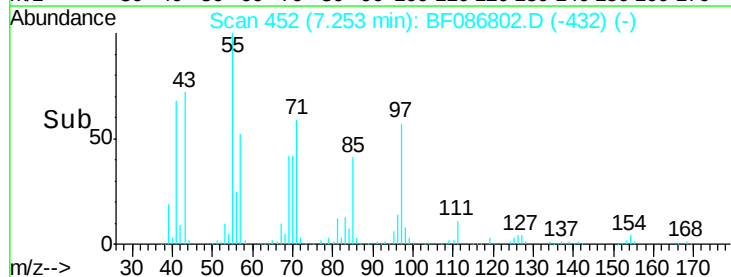
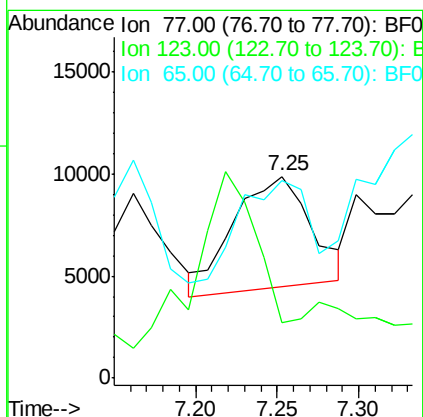
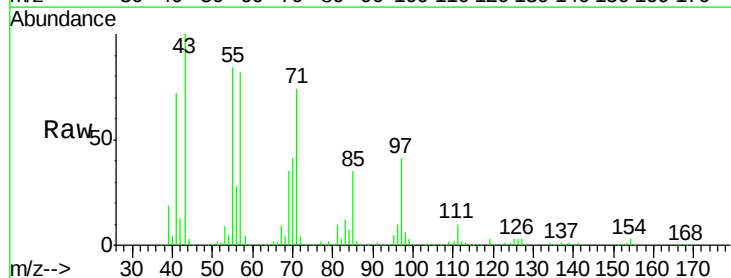
Instrument :
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 ClientSampleId :
 LAR9918-A

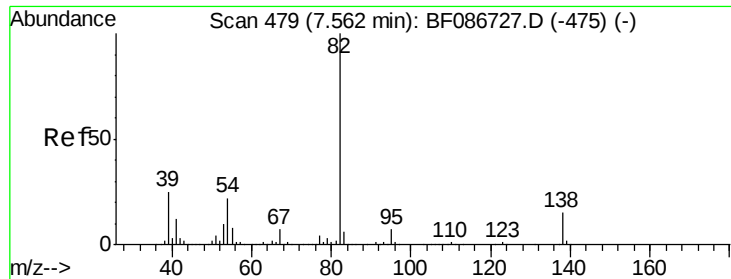
Tgt Ion: 82 Resp: 22997
 Ion Ratio Lower Upper
 82 100
 128 6.7 40.6 61.0#
 54 99.9 38.1 57.1#



#24
 Nitrobenzene
 Concen: 4.93 ng
 RT: 7.25 min Scan# 452
 Delta R.T. -0.07 min
 Lab File: BF086802.D
 Acq: 8 May 2016 4:46

Tgt Ion: 77 Resp: 18030
 Ion Ratio Lower Upper
 77 100
 123 27.6 33.0 49.4#
 65 97.6 10.8 16.2#





#25

Isophorone

Concen: 17.30 ng

RT: 7.52 min Scan# 475

Delta R.T. -0.06 min

Lab File: BF086802.D

Acq: 8 May 2016 4:46

Instrument :

BNA_F

ClientSampleId :

LAR9918-A

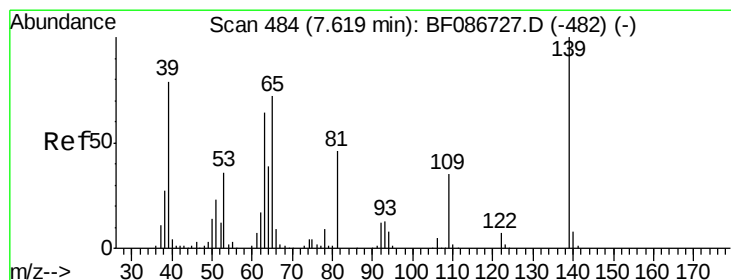
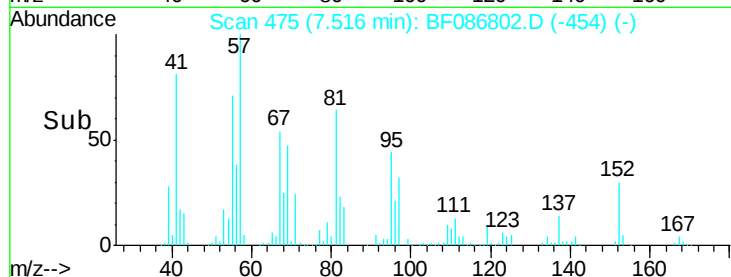
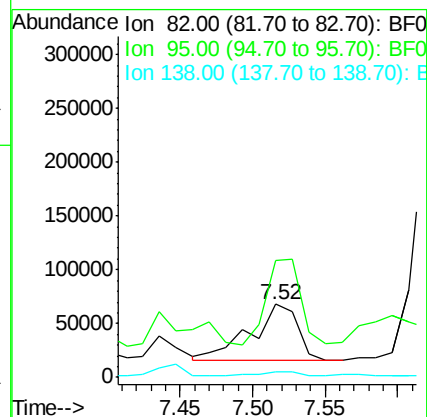
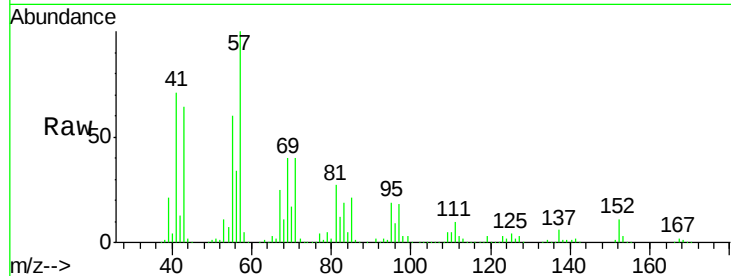
Tgt Ion: 82 Resp: 114019

Ion Ratio Lower Upper

82 100

95 159.6 5.1 7.7#

138 7.3 12.4 18.6#



#26

2-Nitrophenol

Concen: 6.87 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.02 min

Lab File: BF086802.D

Acq: 8 May 2016 4:46

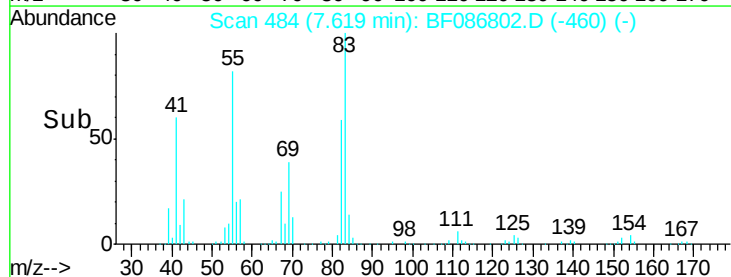
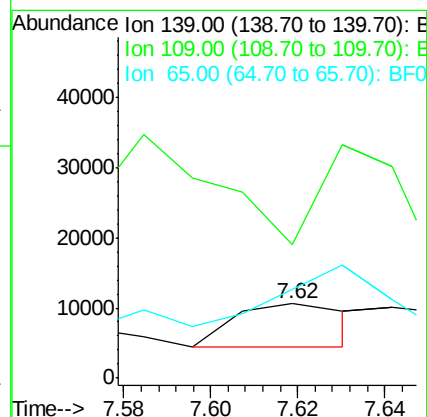
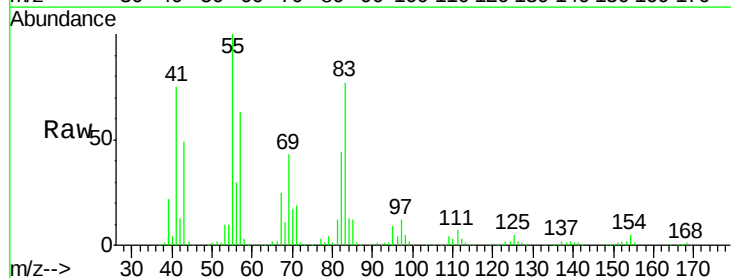
Tgt Ion: 139 Resp: 11216

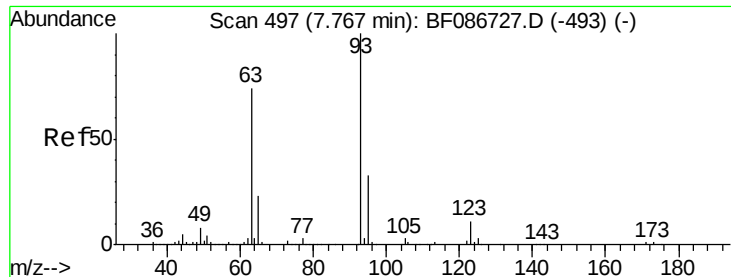
Ion Ratio Lower Upper

139 100

109 179.9 19.5 29.3#

65 119.5 37.5 56.3#

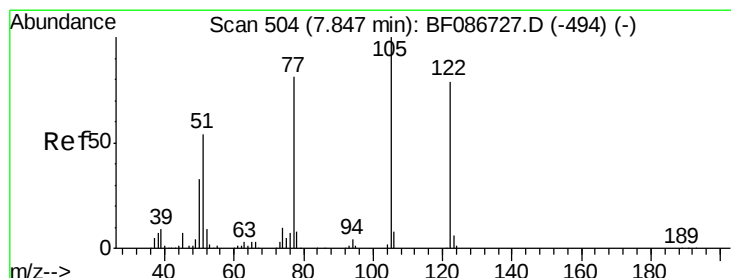
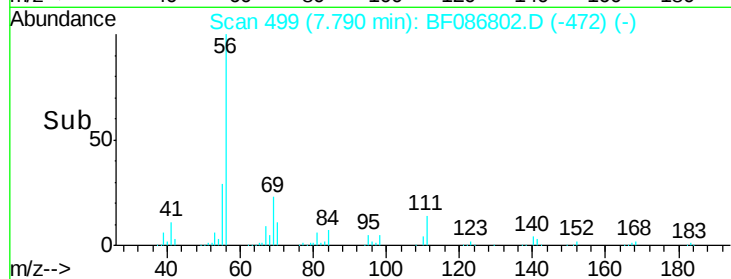
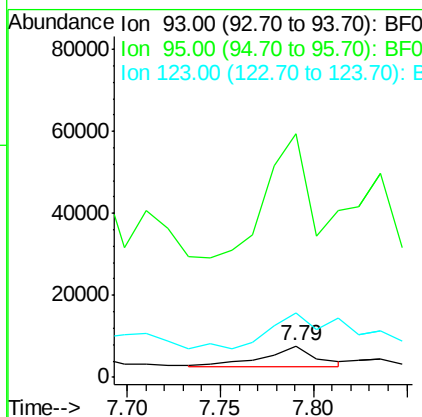
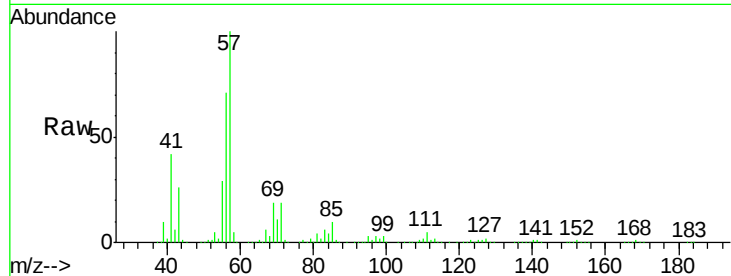




#28
bis(2-Chloroethoxy)methane
Concen: 2.68 ng
RT: 7.79 min Scan# 499
Delta R.T. 0.01 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

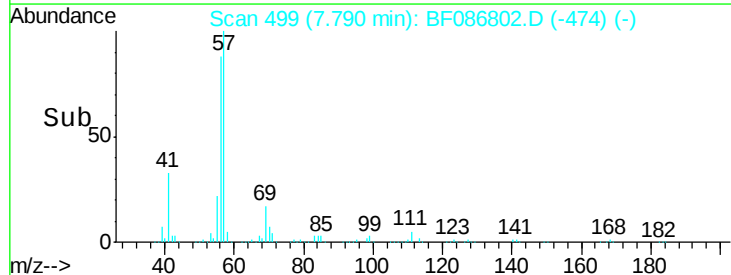
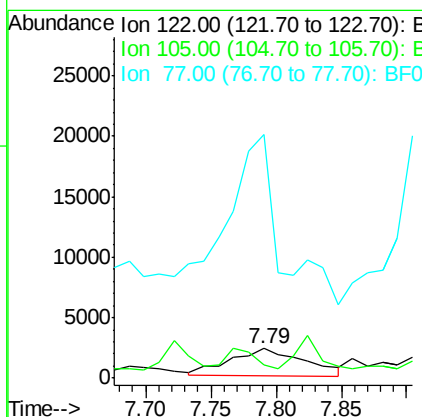
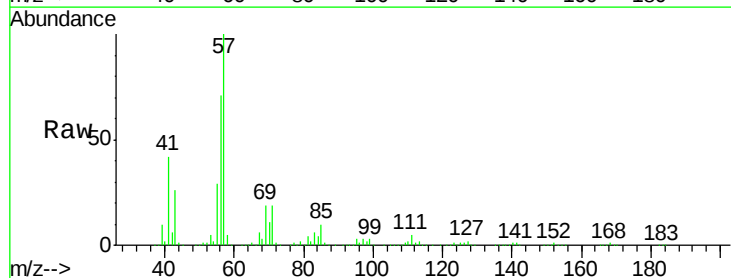
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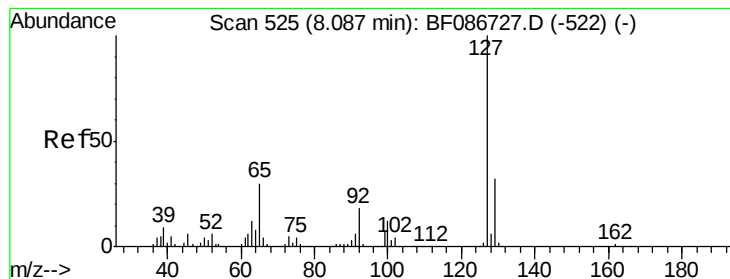
Tgt Ion: 93 Resp: 9736
Ion Ratio Lower Upper
93 100
95 780.1 26.0 39.0#
123 207.4 9.5 14.3#



#32
Benzoic acid
Concen: 15.06 ng
RT: 7.79 min Scan# 499
Delta R.T. -0.01 min
Lab File: BF086802.D
Acq: 8 May 2016 4:46

Tgt Ion:122 Resp: 9006
Ion Ratio Lower Upper
122 100
105 43.5 92.6 132.6#
77 817.2 60.0 100.0#





#33

4-Chloroaniline

Concen: 9.85 ng

RT: 8.11 min Scan# 527

Delta R.T. 0.01 min

Lab File: BF086802.D

Acq: 8 May 2016 4:46

Instrument :

BNA_F

ClientSampleId :

LAR9918-A

Tgt Ion:127 Resp: 35463

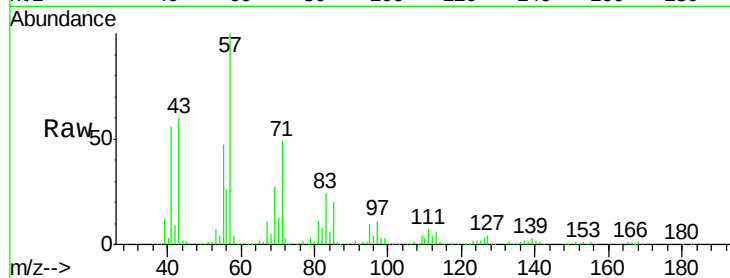
Ion Ratio Lower Upper

127 100

129 11.1 26.2 39.4#

65 45.9 23.0 34.4#

92 10.2 15.1 22.7#

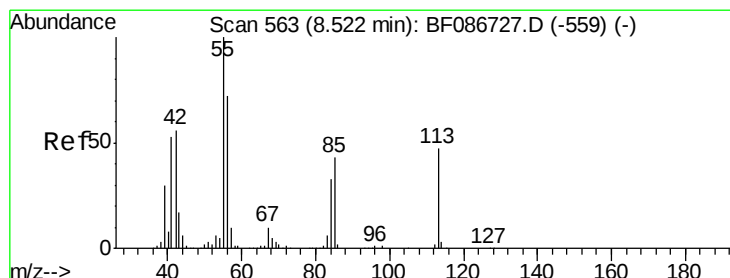
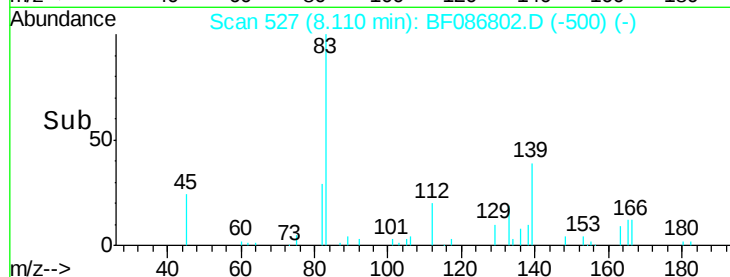
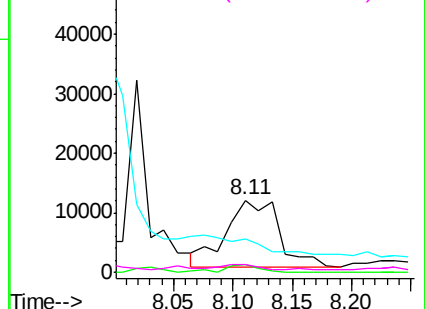


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#35

Caprolactam

Concen: 10.41 ng

RT: 8.45 min Scan# 557

Delta R.T. -0.02 min

Lab File: BF086802.D

Acq: 8 May 2016 4:46

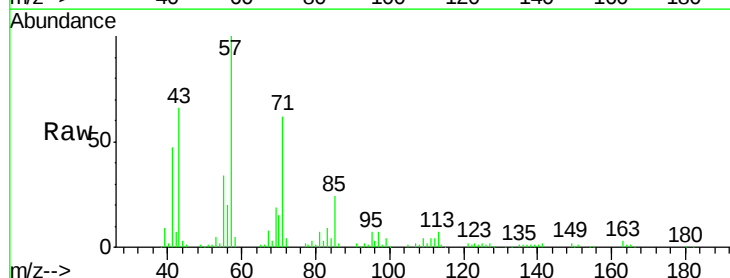
Tgt Ion:113 Resp: 7942

Ion Ratio Lower Upper

113 100

55 499.2 162.0 202.0#

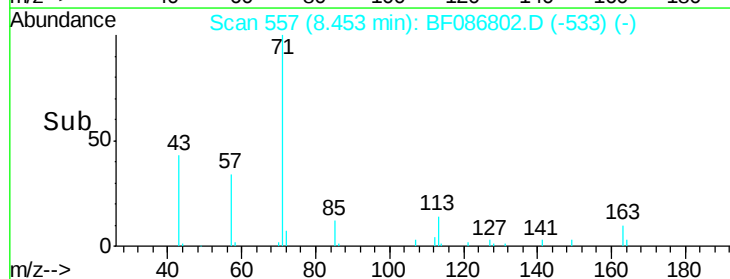
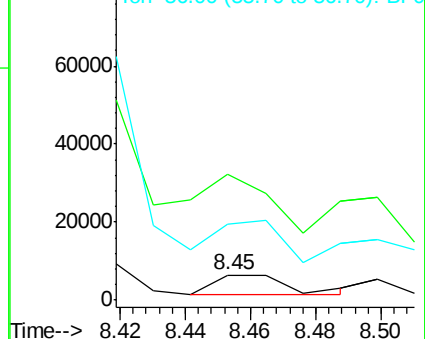
56 300.3 115.3 155.3#

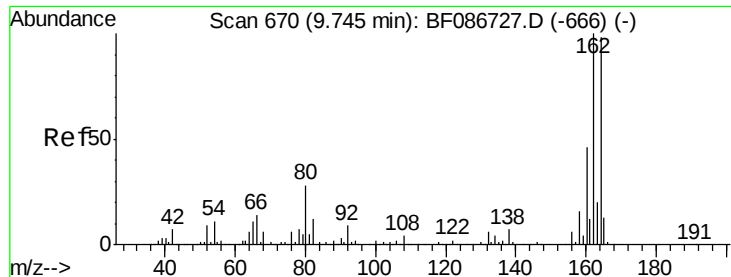


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

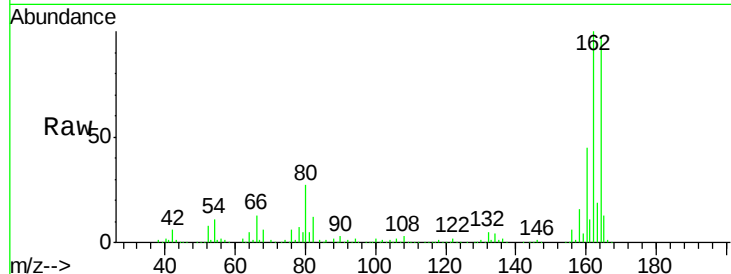




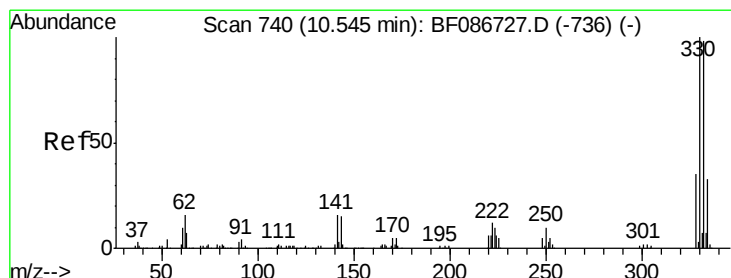
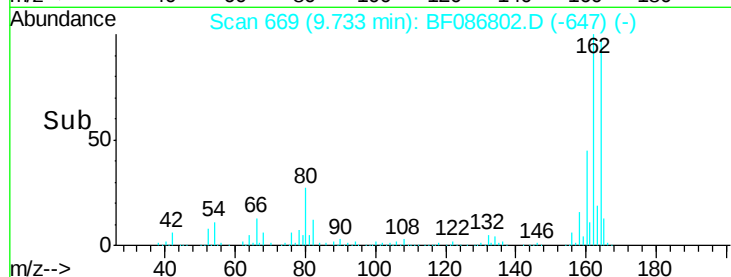
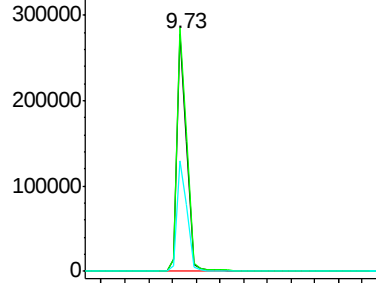
#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.05 min
 Lab File: BF086802.D
 Acq: 8 May 2016 4:46

Instrument :
 BNA_F
 ClientSampleId :
 LAR9918-A

Tgt Ion:164 Resp: 321259
 Ion Ratio Lower Upper
 164 100
 162 102.6 82.8 124.2
 160 46.3 36.9 55.3

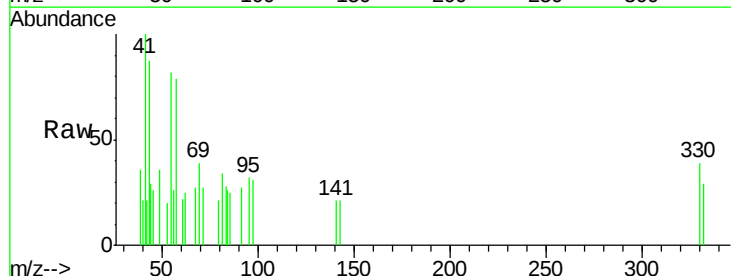


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

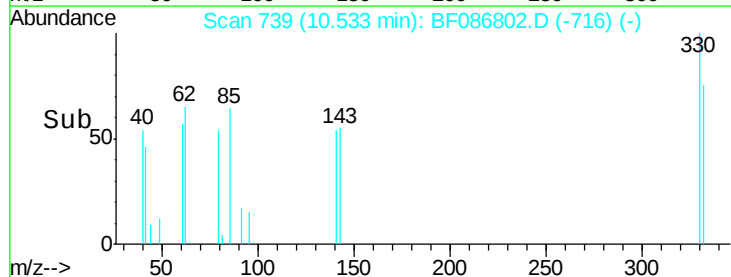
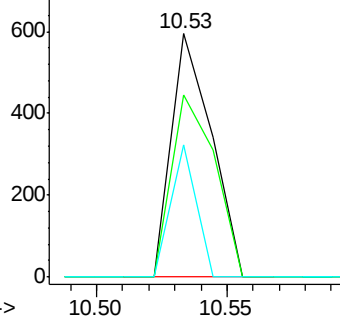


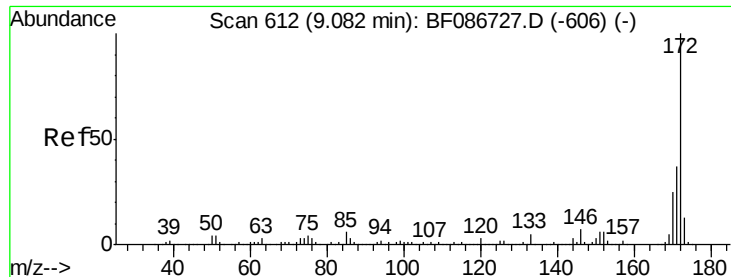
#41
 2,4,6-Tribromophenol
 Concen: 0.20 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086802.D
 Acq: 8 May 2016 4:46

Tgt Ion:330 Resp: 643
 Ion Ratio Lower Upper
 330 100
 332 80.4 79.0 118.4
 141 34.5 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

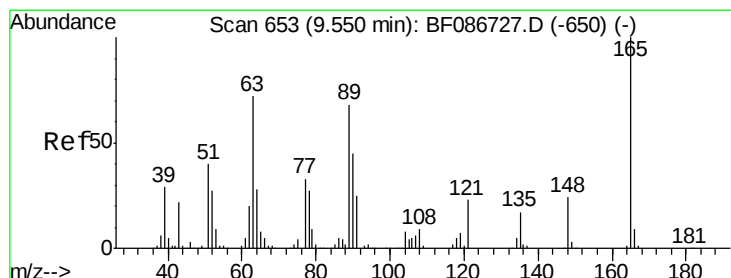
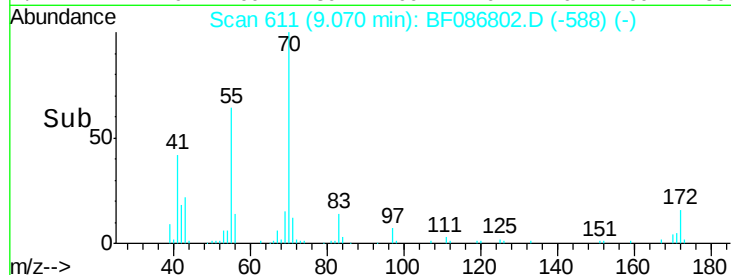
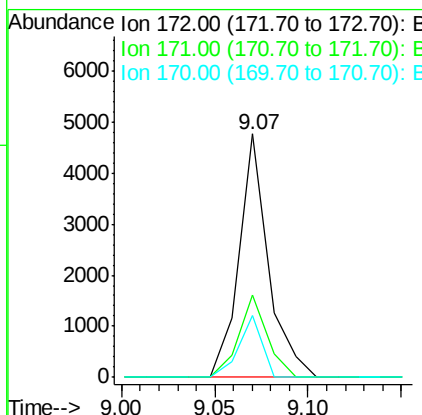
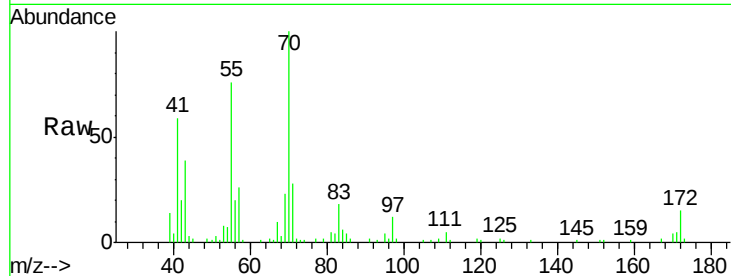




#44
 2-Fluorobiphenyl
 Concen: 0.27 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086802.D
 Acq: 8 May 2016 4:46

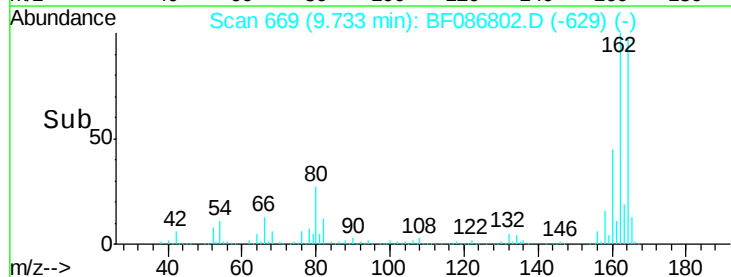
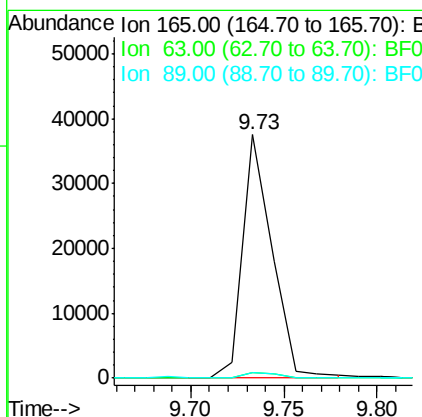
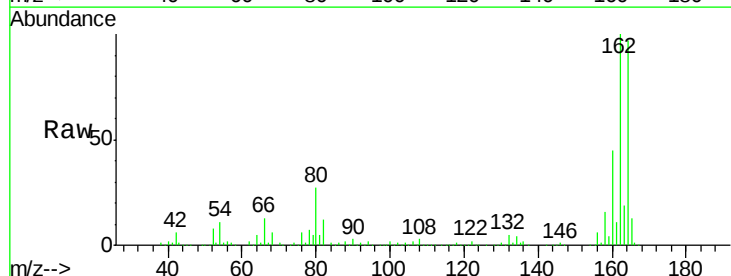
Instrument :
 BNA_F
 ClientSampled :
 LAR9918-A

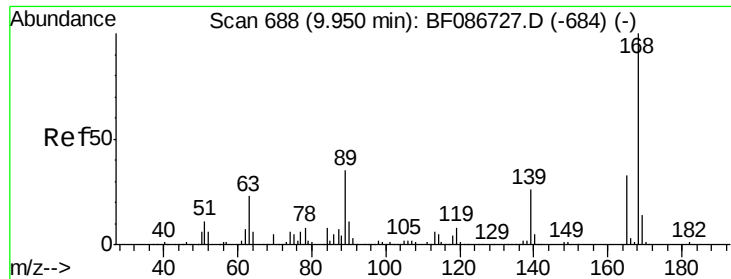
Tgt Ion:172 Resp: 5224
 Ion Ratio Lower Upper
 172 100
 171 33.7 29.0 43.6
 170 25.6 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 8.01 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.16 min
 Lab File: BF086802.D
 Acq: 8 May 2016 4:46

Tgt Ion:165 Resp: 41167
 Ion Ratio Lower Upper
 165 100
 63 2.1 51.8 77.8#
 89 2.1 50.7 76.1#

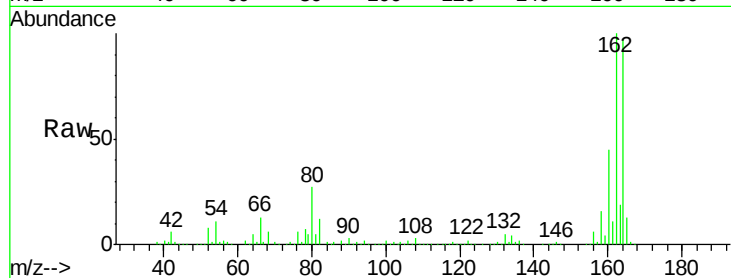




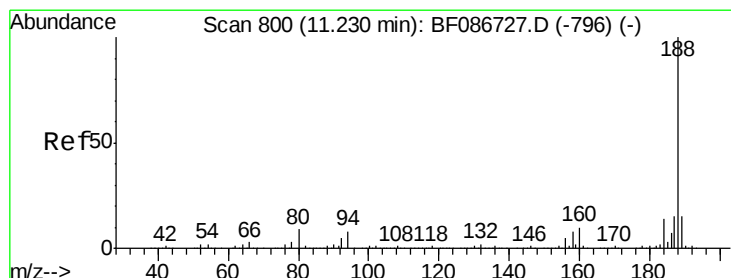
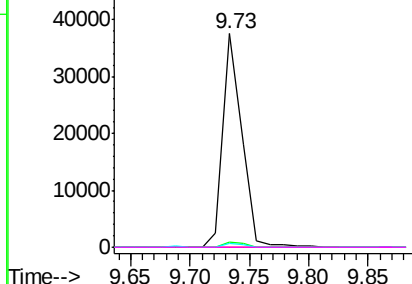
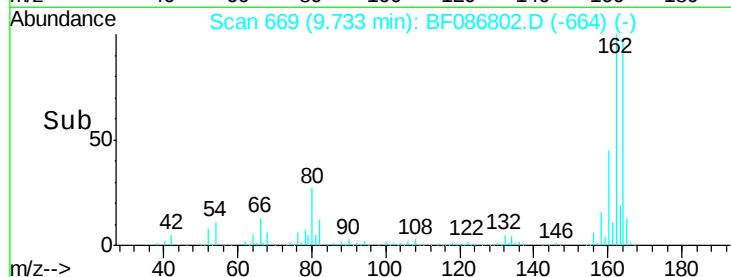
#56
 2,4-Dinitrotoluene
 Concen: 6.53 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.24 min
 Lab File: BF086802.D
 Acq: 8 May 2016 4:46

Instrument :
 BNA_F
 ClientSampleId :
 LAR9918-A

Tgt Ion:165 Resp: 41602
 Ion Ratio Lower Upper
 165 100
 63 2.1 44.3 66.5#
 89 2.1 70.0 105.0#
 182 0.0 1.8 2.6#

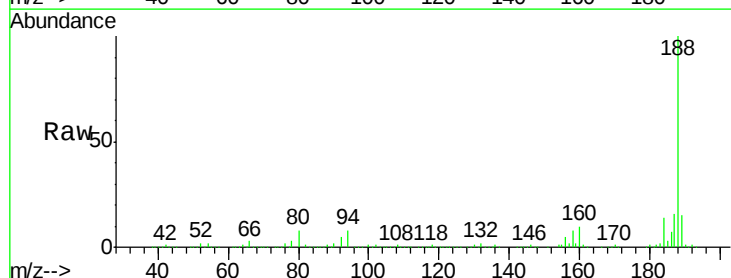


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

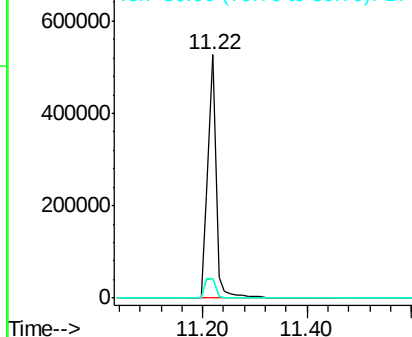
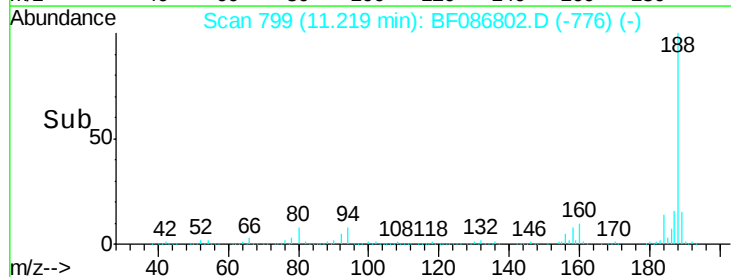


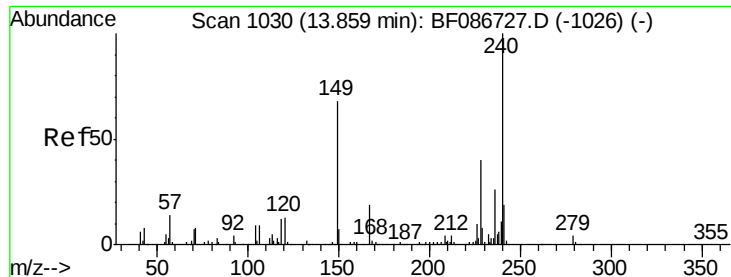
#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: BF086802.D
 Acq: 8 May 2016 4:46

Tgt Ion:188 Resp: 587655
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.8 10.2
 80 8.3 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





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF086802.D

Acq: 8 May 2016 4:46

Instrument :

BNA_F

ClientSampleId :

LAR9918-A

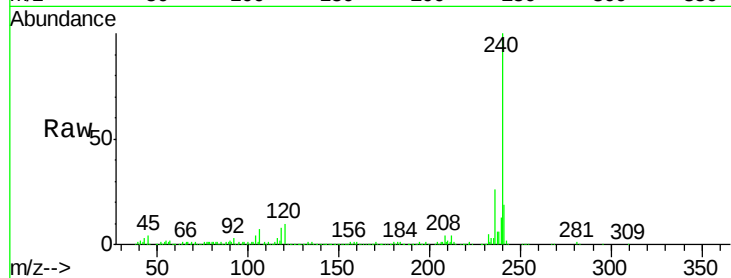
Tgt Ion:240 Resp: 401794

Ion Ratio Lower Upper

240 100

120 9.6 11.2 16.8#

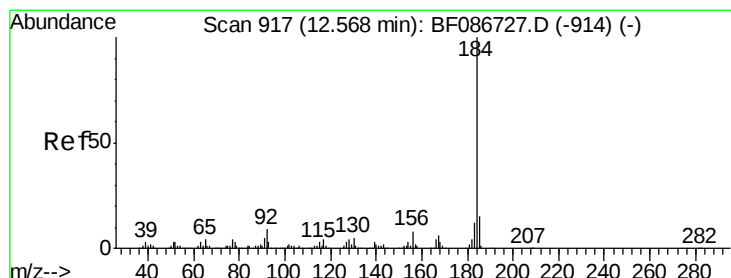
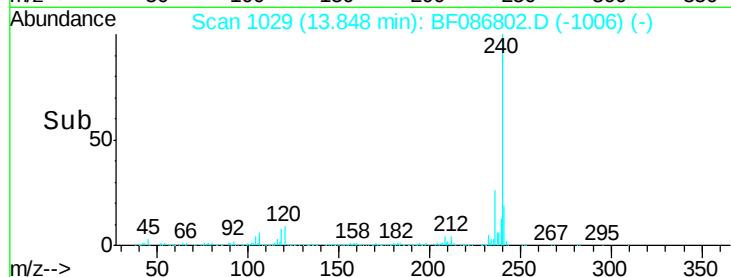
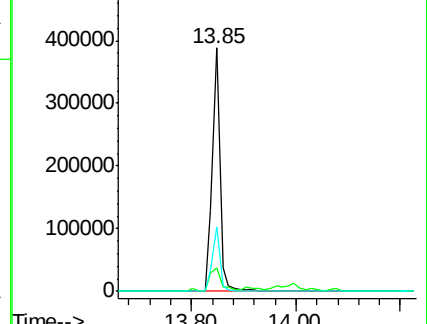
236 26.5 21.2 31.8



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



#76

Benzidine

Concen: 15.17 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.02 min

Lab File: BF086802.D

Acq: 8 May 2016 4:46

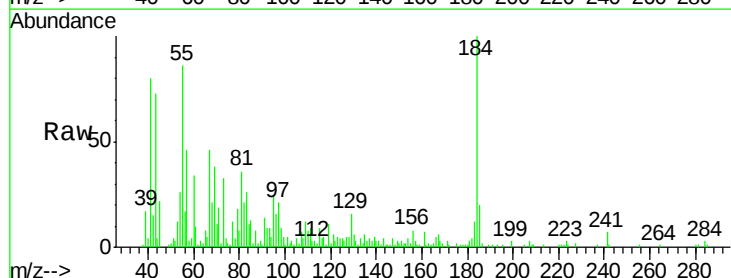
Tgt Ion:184 Resp: 104355

Ion Ratio Lower Upper

184 100

185 20.5 13.6 20.4#

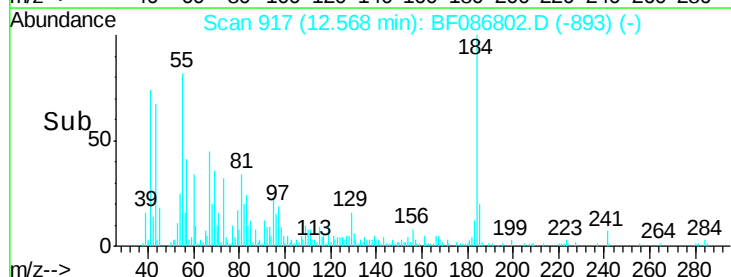
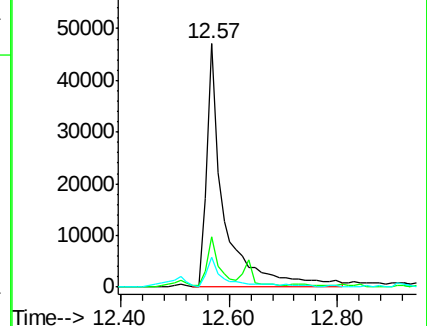
183 12.1 9.8 14.6

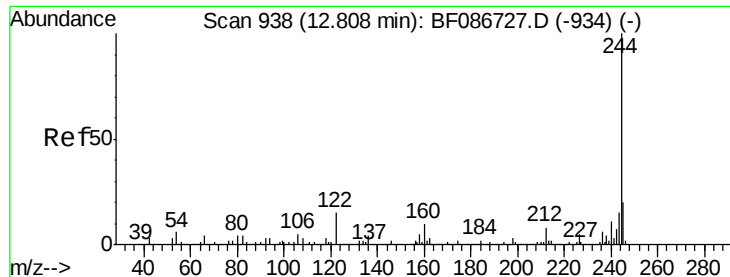


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 0.24 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.05 min

Lab File: BF086802.D

Acq: 8 May 2016 4:46

Instrument :

BNA_F

ClientSampleId :

LAR9918-A

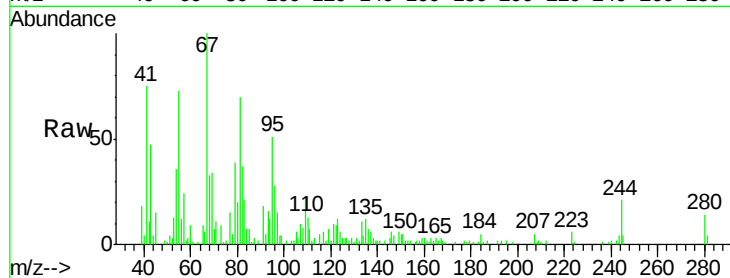
Tgt Ion:244 Resp: 4851

Ion Ratio Lower Upper

244 100

212 9.0 6.2 9.2

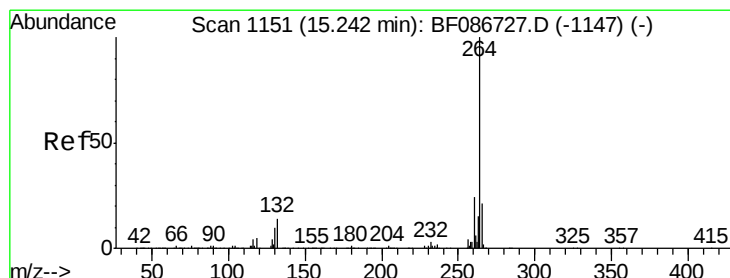
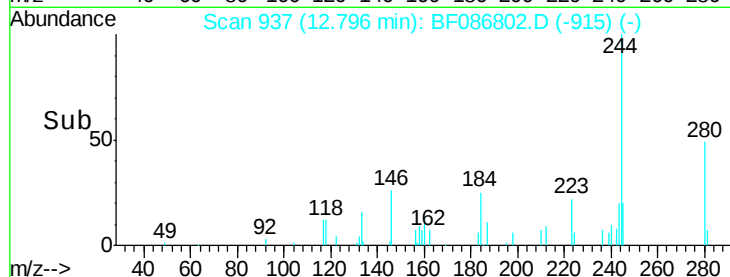
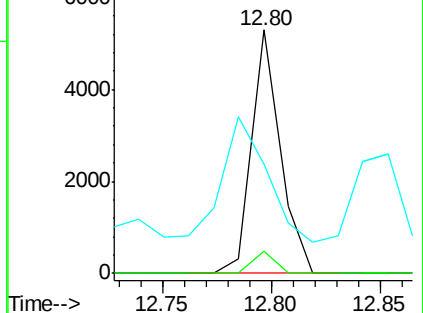
122 44.7 12.0 18.0#



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: 40.00 ng

RT: 15.23 min Scan# 1150

Delta R.T. -0.03 min

Lab File: BF086802.D

Acq: 8 May 2016 4:46

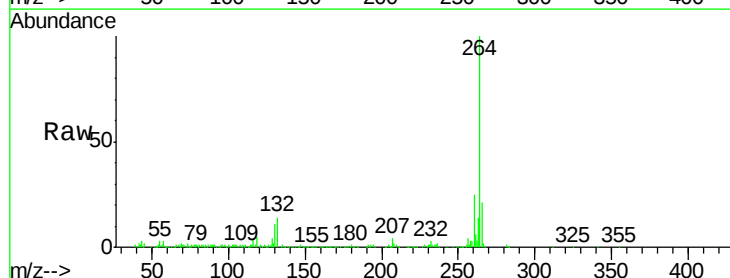
Tgt Ion:264 Resp: 329838

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

265 20.8 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

