

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050416\
 Data File : BF086703.D
 Acq On : 5 May 2016 3:47
 Operator : UM/SJ
 Sample : H2829-09 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B4(0-5)-C

Quant Time: May 05 05:39:05 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

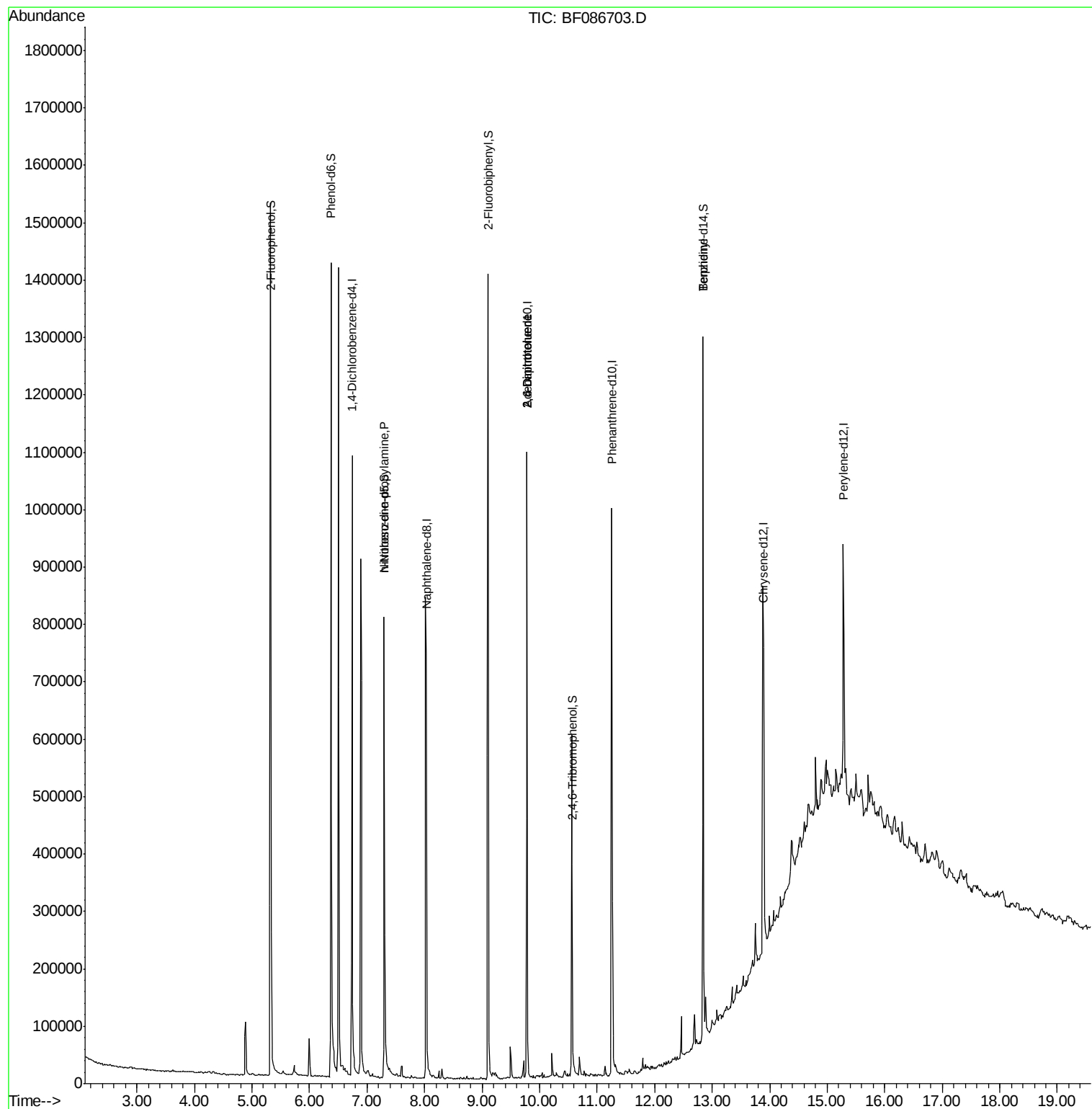
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	151339	40.00	ng	0.00
21) Naphthalene-d8	8.03	136	551713	40.00	ng	0.00
38) Acenaphthene-d10	9.78	164	228616	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	381417	40.00	ng	0.00
75) Chrysene-d12	13.89	240	326120	40.00	ng	0.01
86) Perylene-d12	15.28	264	223525	40.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	388411	42.49	ng	0.00
7) Phenol-d6	6.37	99	487056	39.55	ng	0.00
23) Nitrobenzene-d5	7.30	82	286403	26.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	81333	36.37	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	486776	34.90	ng	0.00
78) Terphenyl-d14	12.84	244	393722	24.40	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	37774	4.49	ng	# 70
50) 2,6-Dinitrotoluene	9.78	165	28579	7.81	ng	# 21
56) 2,4-Dinitrotoluene	9.78	165	28575	6.30	ng	# 16
76) Benzidine	12.84	184	6216	7.69	ng	# 81

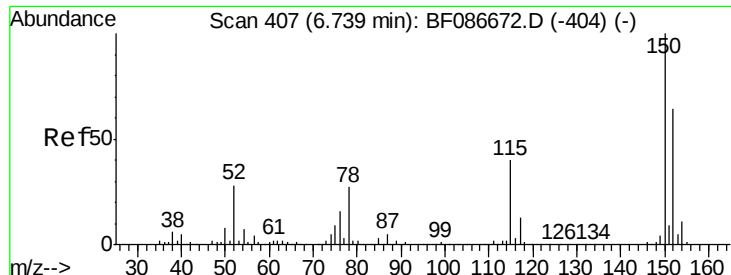
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.74 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF086703.D

Acq: 5 May 2016 3:47

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B4(0-5)-C

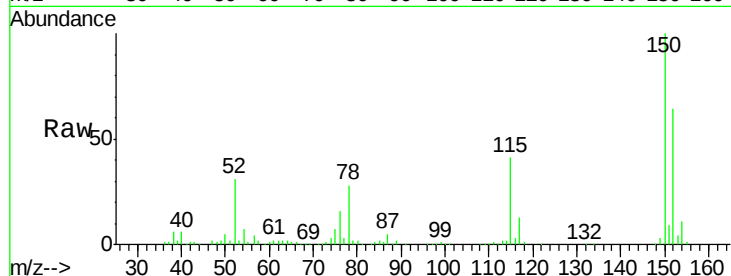
Tgt Ion:152 Resp: 151339

Ion Ratio Lower Upper

152 100

150 155.5 125.8 188.6

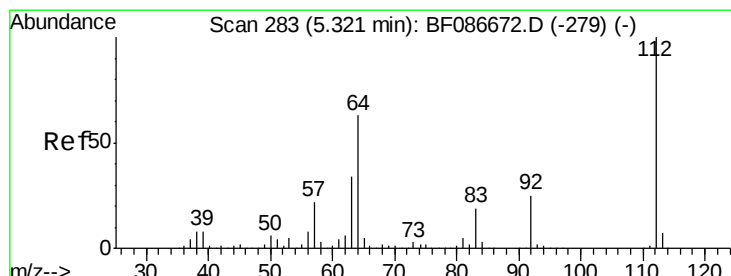
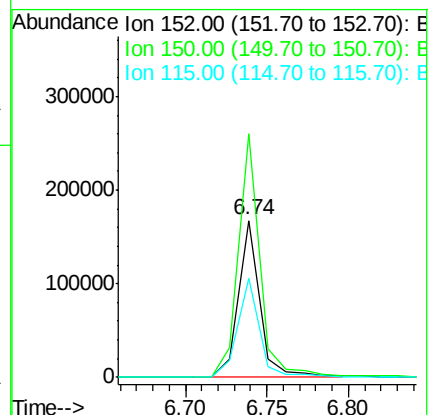
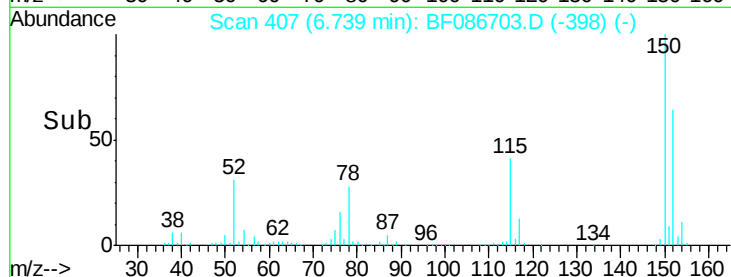
115 63.4 51.5 77.3



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: 42.49 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086703.D

Acq: 5 May 2016 3:47

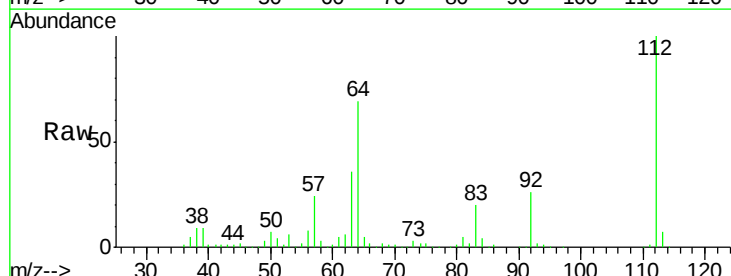
Tgt Ion:112 Resp: 388411

Ion Ratio Lower Upper

112 100

64 68.6 52.1 78.1

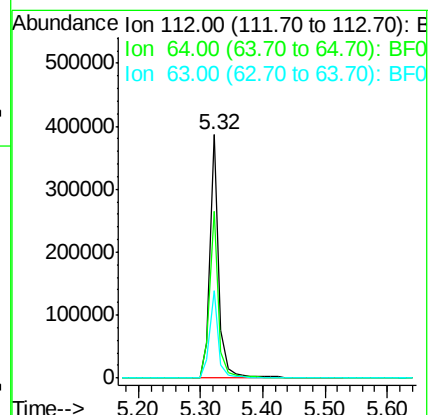
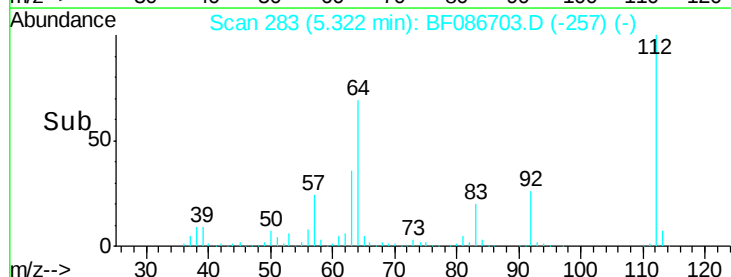
63 36.1 25.7 38.5

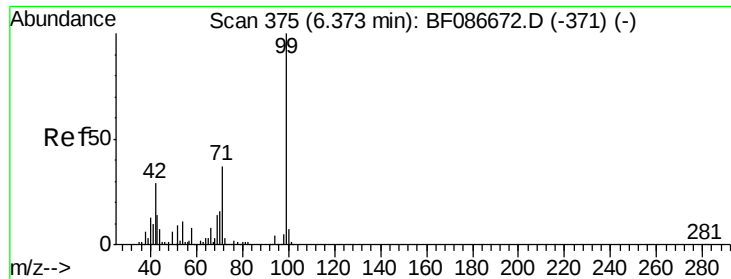


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.55 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086703.D

Acq: 5 May 2016 3:47

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B4(0-5)-C

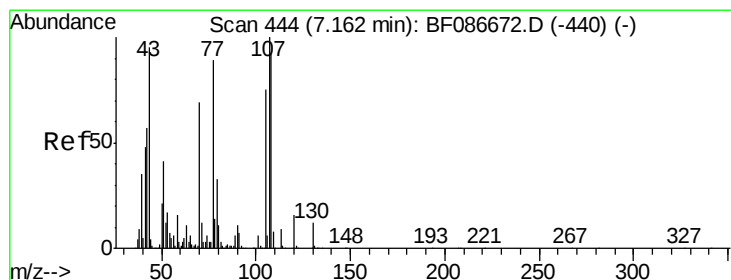
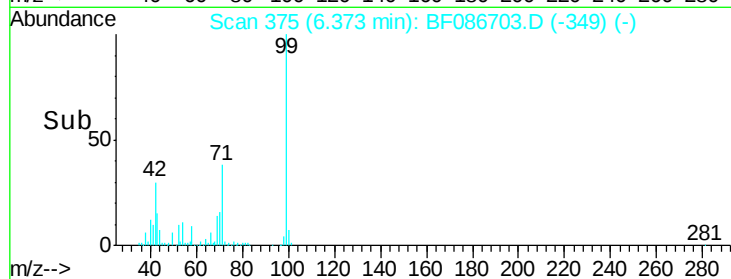
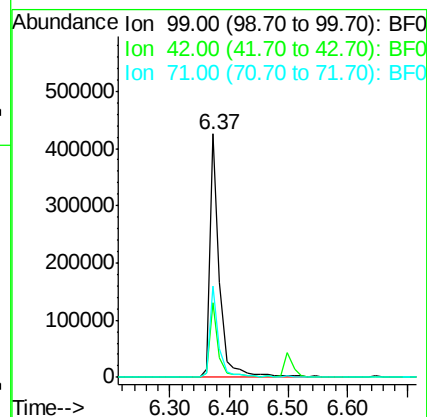
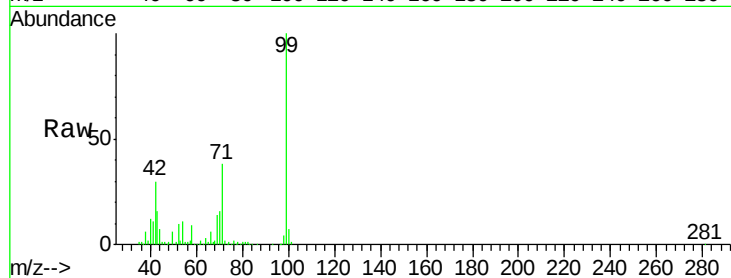
Tgt Ion: 99 Resp: 487056

Ion Ratio Lower Upper

99 100

42 30.4 13.6 20.4#

71 37.6 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 4.49 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.14 min

Lab File: BF086703.D

Acq: 5 May 2016 3:47

Tgt Ion: 70 Resp: 37774

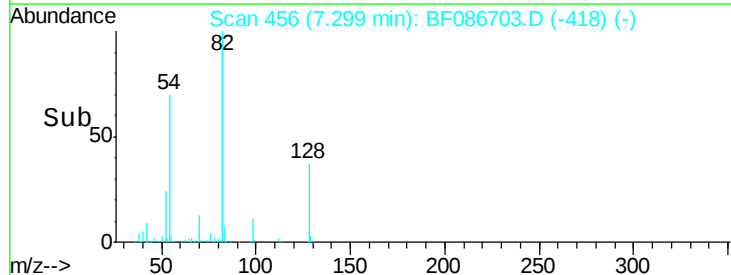
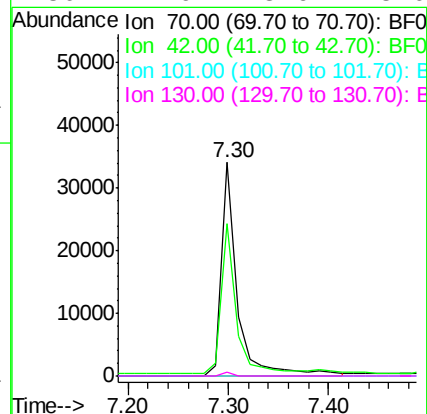
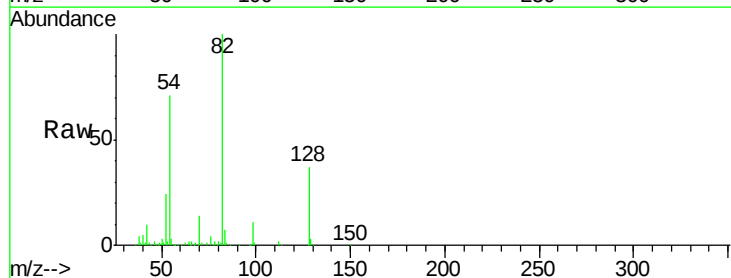
Ion Ratio Lower Upper

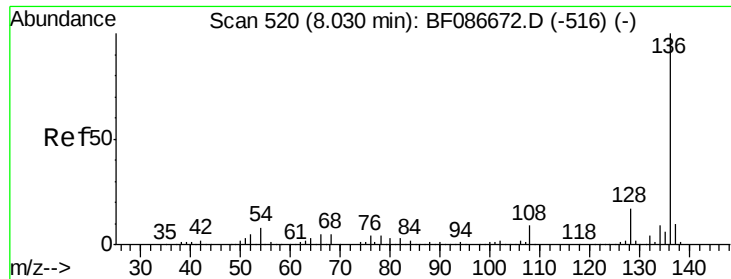
70 100

42 71.1 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

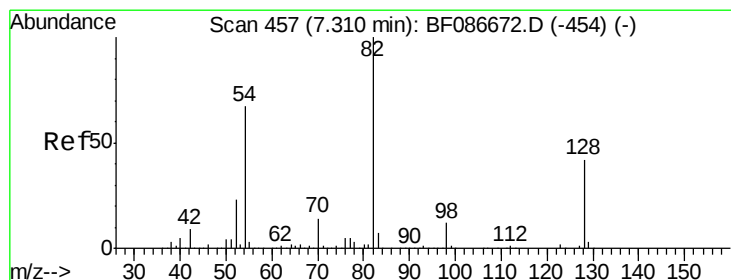
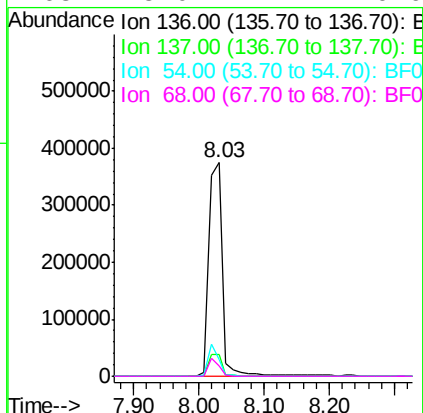
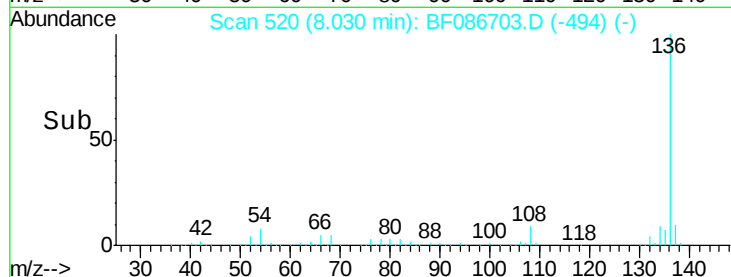
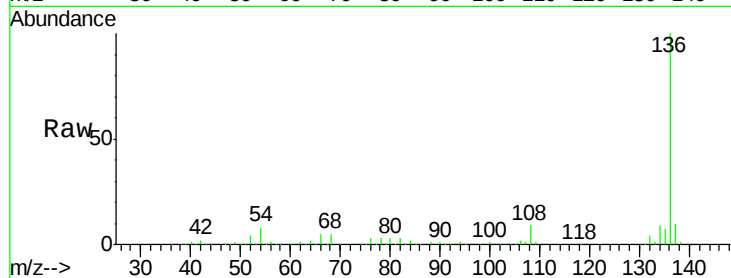




#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.03 min Scan# 520
Delta R.T. 0.00 min
Lab File: BF086703.D
Acq: 5 May 2016 3:47

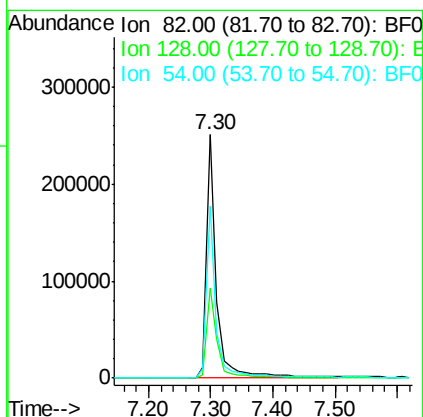
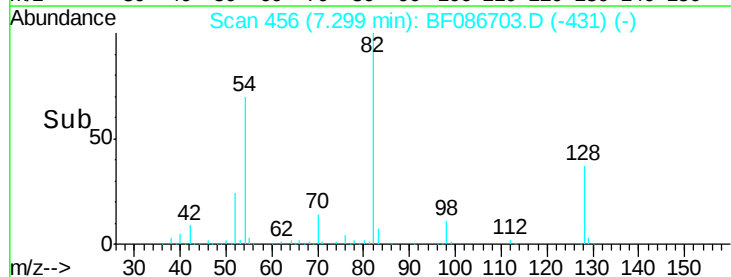
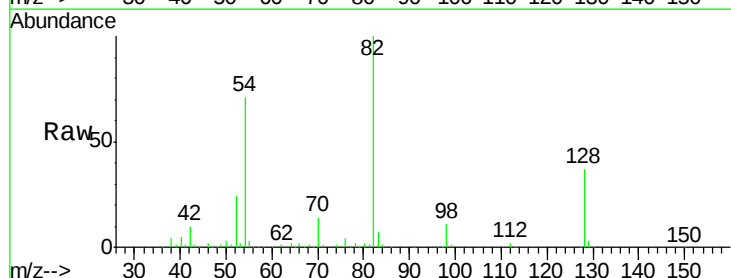
Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B4(0-5)-C

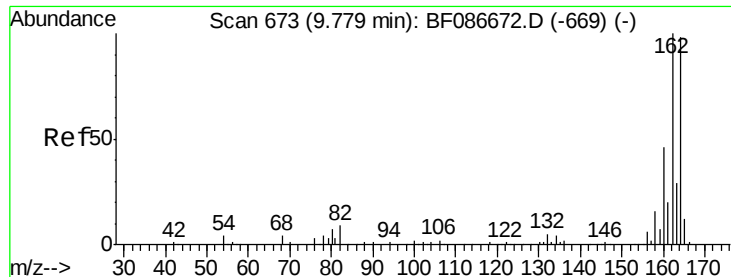
Tgt Ion:	136	Resp:	551713
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	7.9	5.0	7.4#
68	5.0	4.4	6.6



#23
Nitrobenzene-d5
Concen: 26.68 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF086703.D
Acq: 5 May 2016 3:47

Tgt Ion:	82	Resp:	286403
Ion	Ratio	Lower	Upper
82	100		
128	37.0	40.6	61.0#
54	70.6	38.1	57.1#





#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF086703.D

Acq: 5 May 2016 3:47

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B4(0-5)-C

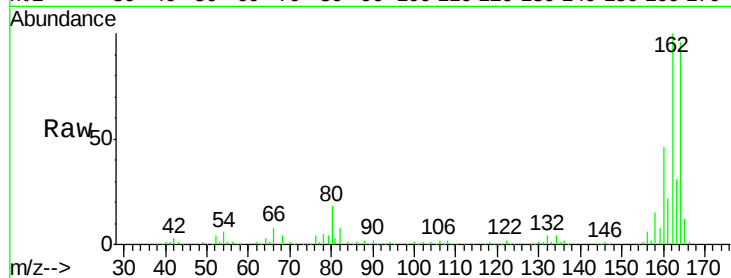
Tgt Ion:164 Resp: 228616

Ion Ratio Lower Upper

164 100

162 103.6 82.8 124.2

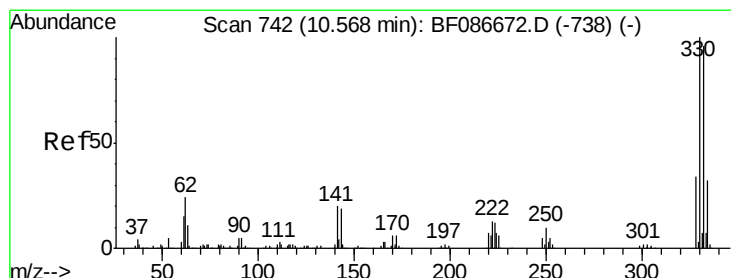
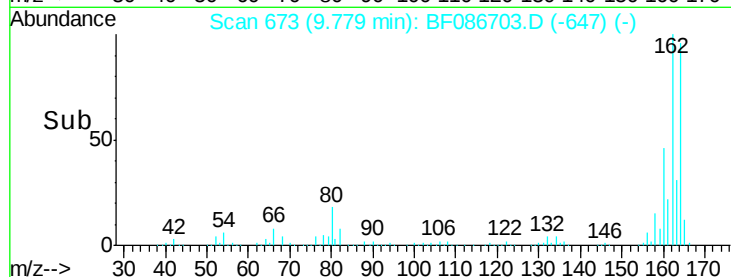
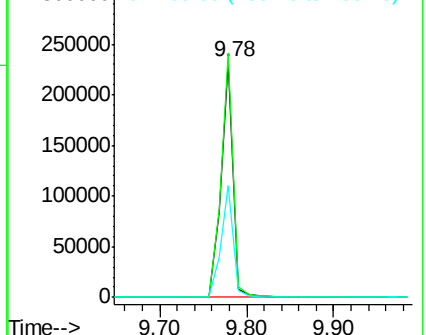
160 47.4 36.9 55.3



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: 36.37 ng

RT: 10.57 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF086703.D

Acq: 5 May 2016 3:47

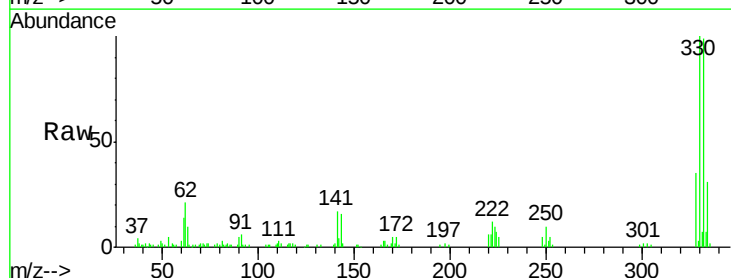
Tgt Ion:330 Resp: 81333

Ion Ratio Lower Upper

330 100

332 97.6 79.0 118.4

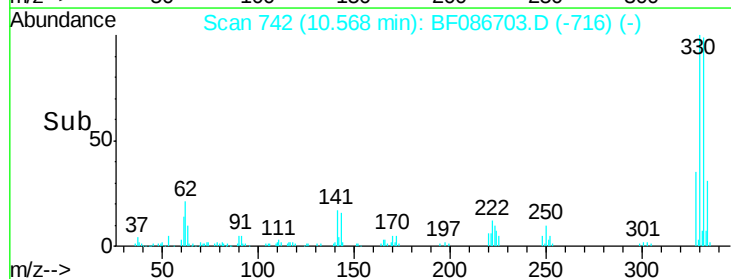
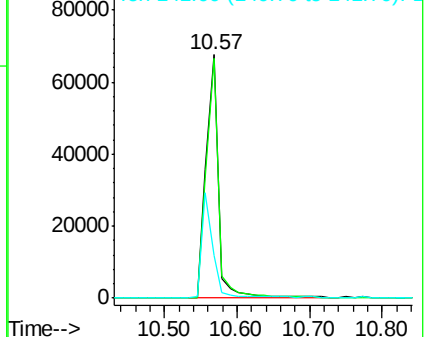
141 39.5 31.2 46.8

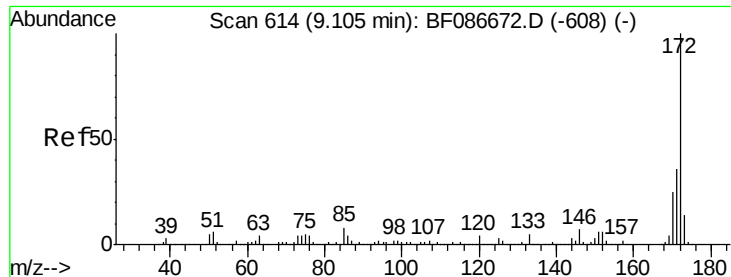


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

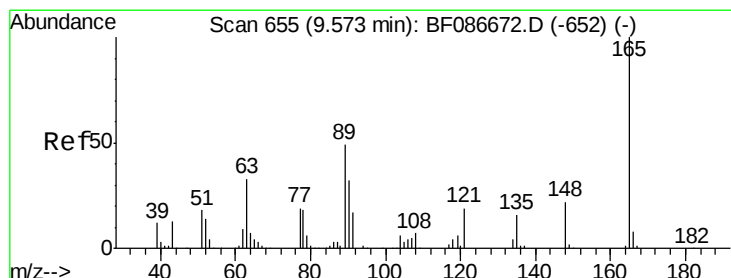
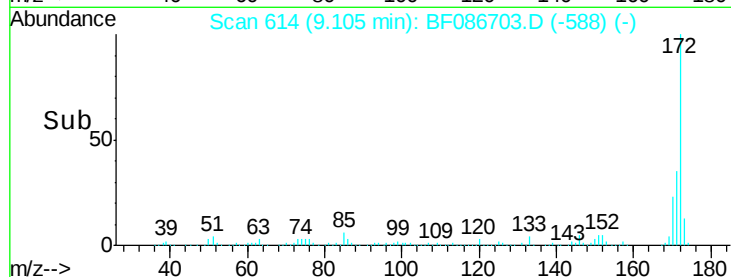
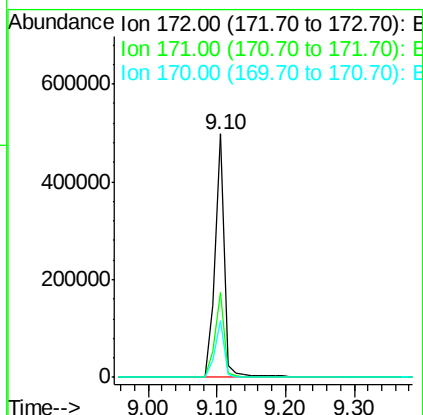
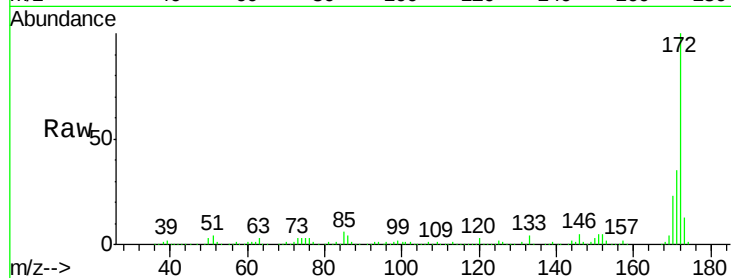




#44
 2-Fluorobiphenyl
 Concen: 34.90 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF086703.D
 Acq: 5 May 2016 3:47

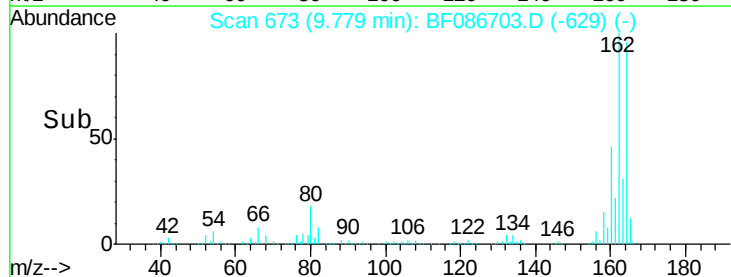
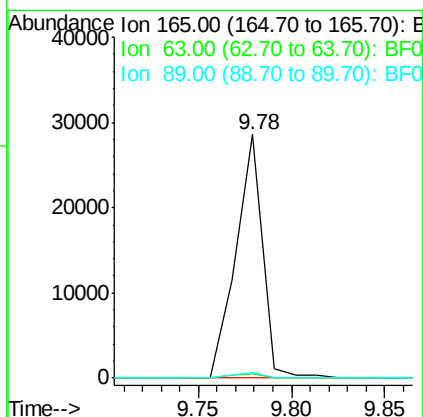
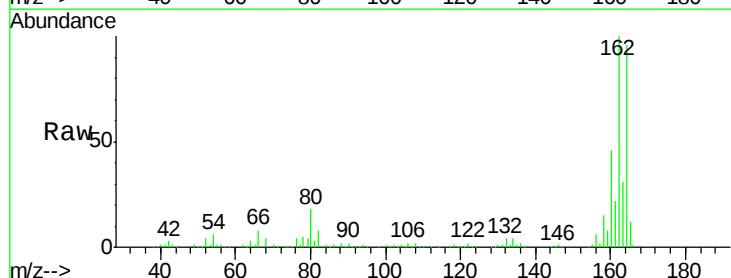
Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B4(0-5)-C

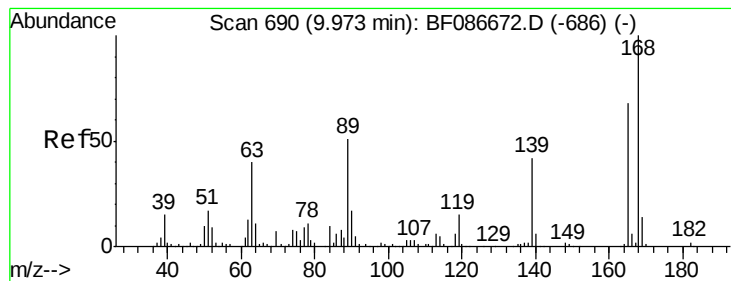
Tgt Ion:172 Resp: 486776
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.0 43.6
 170 23.2 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.81 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.21 min
 Lab File: BF086703.D
 Acq: 5 May 2016 3:47

Tgt Ion:165 Resp: 28579
 Ion Ratio Lower Upper
 165 100
 63 1.9 51.8 77.8#
 89 2.0 50.7 76.1#





#56

2,4-Dinitrotoluene

Concen: 6.30 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.19 min

Lab File: BF086703.D

Acq: 5 May 2016 3:47

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B4(0-5)-C

Tgt Ion:165 Resp: 28575

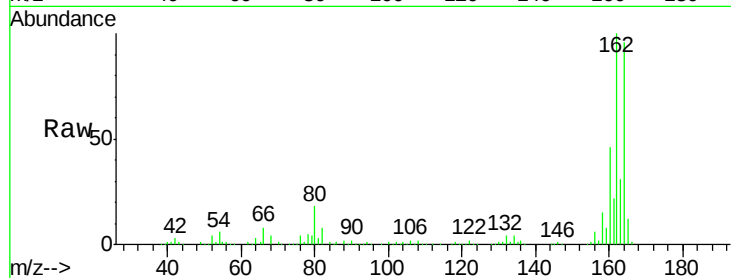
Ion Ratio Lower Upper

165 100

63 1.9 44.3 66.5#

89 2.0 70.0 105.0#

182 0.0 1.8 2.6#

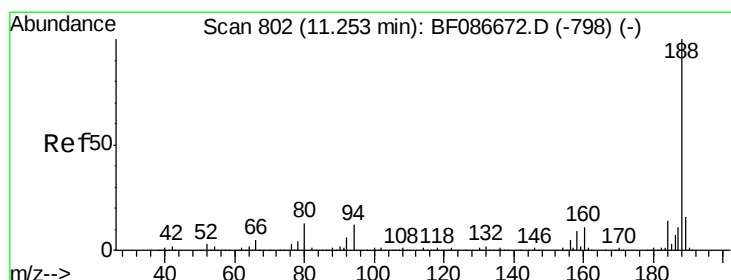
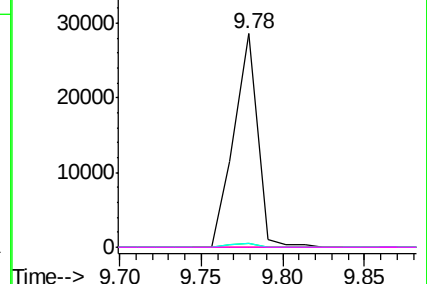
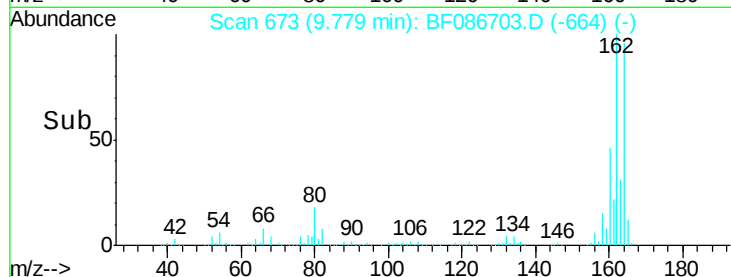


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.25 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF086703.D

Acq: 5 May 2016 3:47

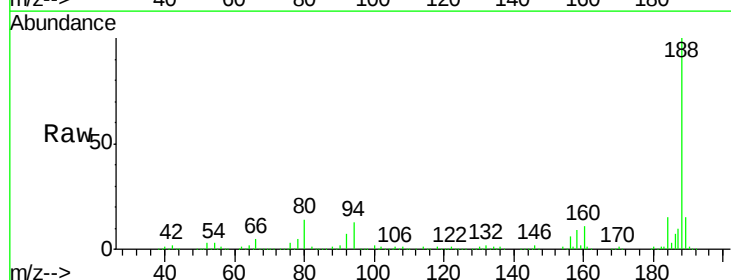
Tgt Ion:188 Resp: 381417

Ion Ratio Lower Upper

188 100

94 12.7 6.8 10.2#

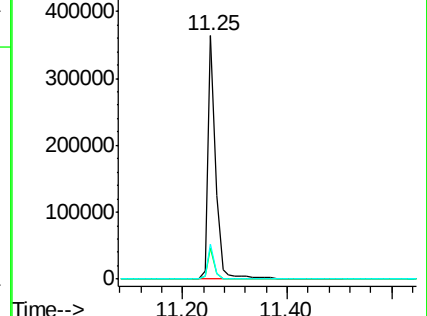
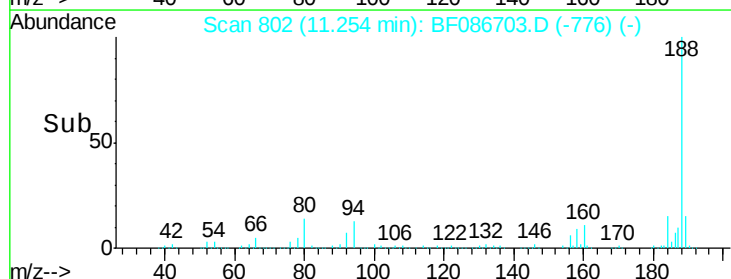
80 14.2 7.1 10.7#

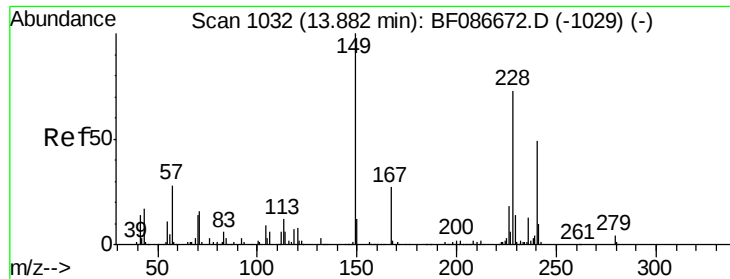


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.89 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF086703.D

Acq: 5 May 2016 3:47

Instrument :

BNA_F

ClientSampleId :

EUT01-TD-B4(0-5)-C

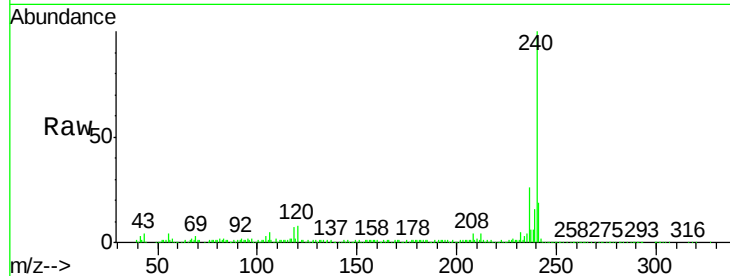
Tgt Ion:240 Resp: 326120

Ion Ratio Lower Upper

240 100

120 7.9 11.2 16.8#

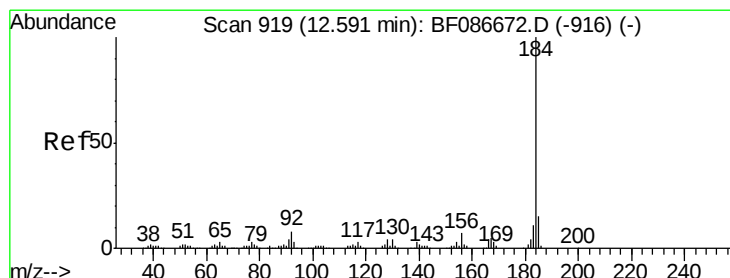
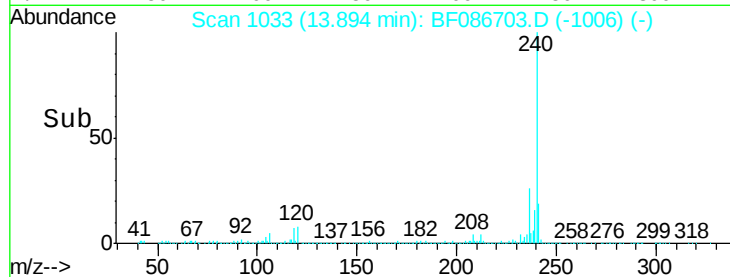
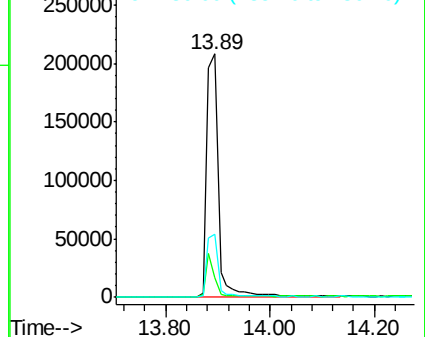
236 25.8 21.2 31.8



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: 7.69 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.25 min

Lab File: BF086703.D

Acq: 5 May 2016 3:47

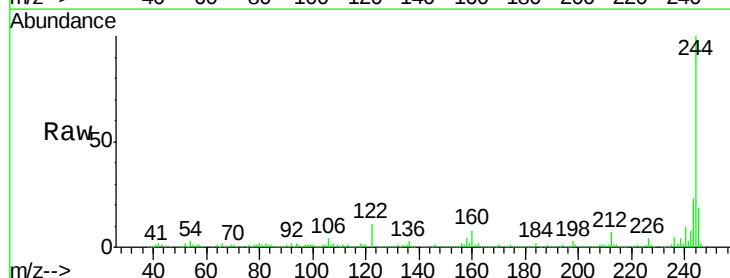
Tgt Ion:184 Resp: 6216

Ion Ratio Lower Upper

184 100

185 23.9 13.6 20.4#

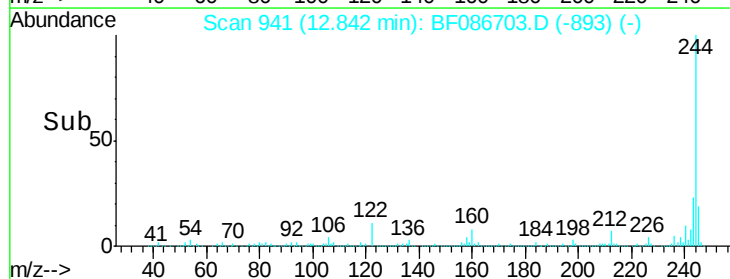
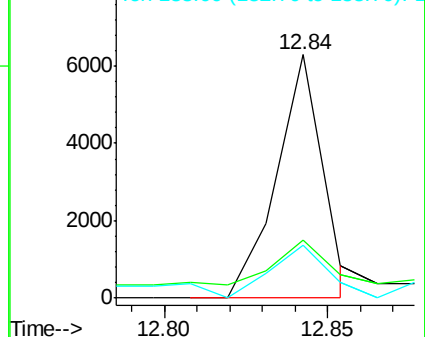
183 21.6 9.8 14.6#

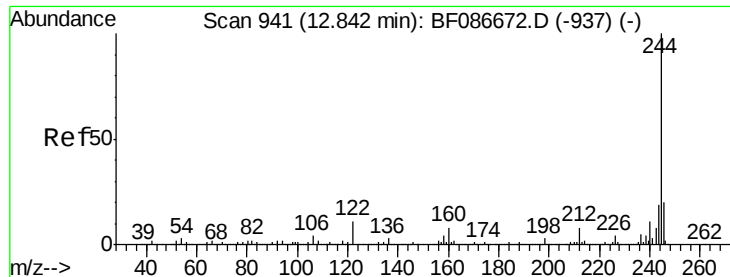


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

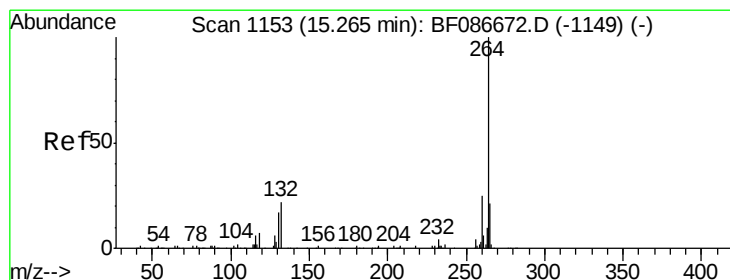
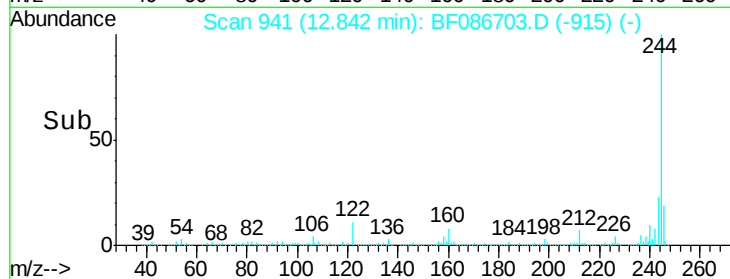
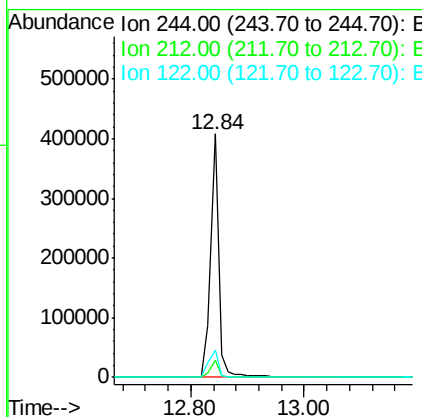
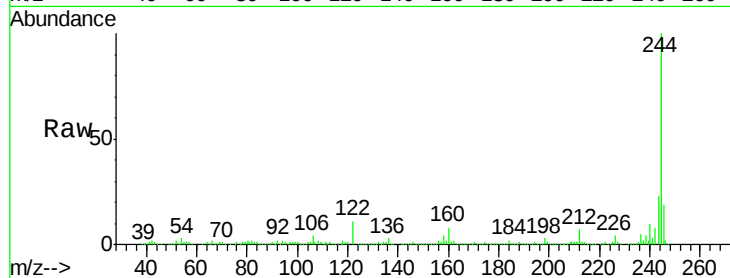




#78
 Terphenyl-d14
 Concen: 24.40 ng
 RT: 12.84 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: BF086703.D
 Acq: 5 May 2016 3:47

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B4(0-5)-C

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	11.1	12.0	18.0#



#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.28 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: BF086703.D
 Acq: 5 May 2016 3:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.2	17.3	25.9

