

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050616\
 Data File : BF086740.D
 Acq On : 6 May 2016 22:57
 Operator : UM/SJ
 Sample : H2770-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 07 03:28:04 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 07 03:18:46 2016
 Response via : Initial Calibration

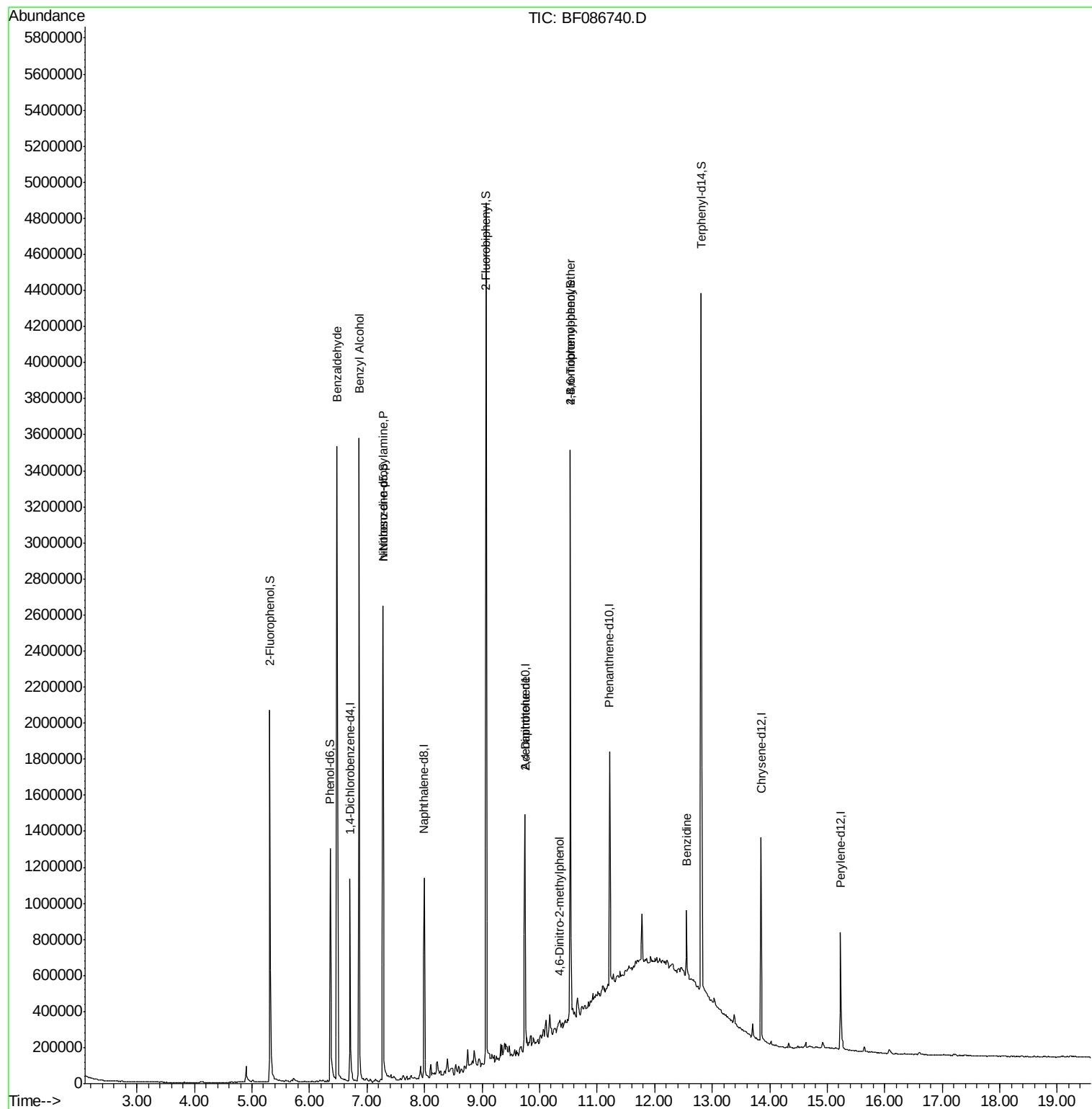
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	151109	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	622146	40.00	ng	0.00
38) Acenaphthene-d10	9.74	164	291172	40.00	ng	0.00
63) Phenanthrene-d10	11.22	188	477595	40.00	ng	-0.01
75) Chrysene-d12	13.85	240	407786	40.00	ng	-0.01
86) Perylene-d12	15.23	264	287577	40.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	554416	60.74	ng	-0.01
7) Phenol-d6	6.36	99	464625	37.79	ng	-0.02
23) Nitrobenzene-d5	7.28	82	990551	81.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	366634	128.72	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1544463	86.95	ng	-0.01
78) Terphenyl-d14	12.81	244	1353338	67.07	ng	0.00
Target Compounds						
9) Benzaldehyde	6.48	77	26691	4.35	ng	# 70
15) Benzyl Alcohol	6.86	79	19732	2.48	ng	# 39
19) n-Nitroso-di-n-propylamine	7.28	70	141774	16.88	ng	# 72
56) 2,4-Dinitrotoluene	9.74	165	36975	6.41	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.35	198	213	5.31	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	22431	4.73	ng	# 1
76) Benizidine	12.56	184	933	7.16	ng	# 1

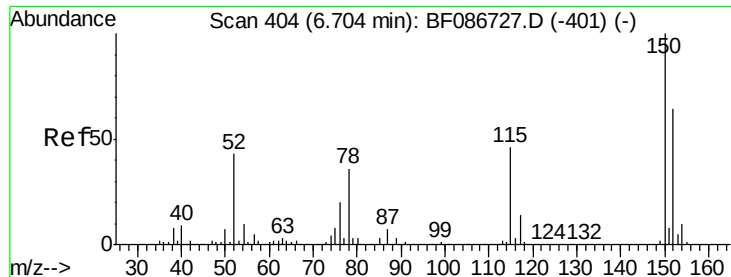
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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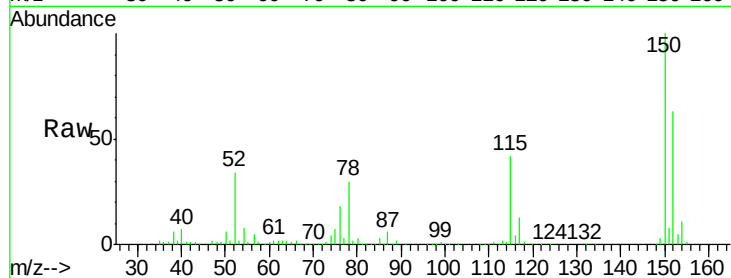


#1

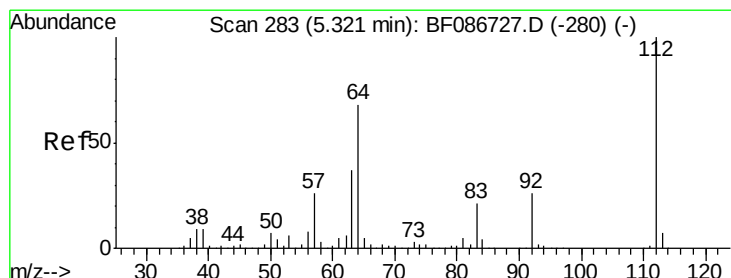
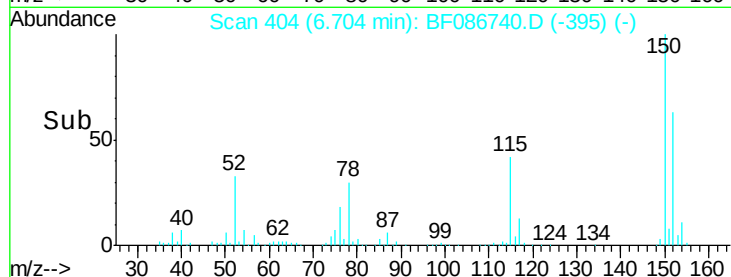
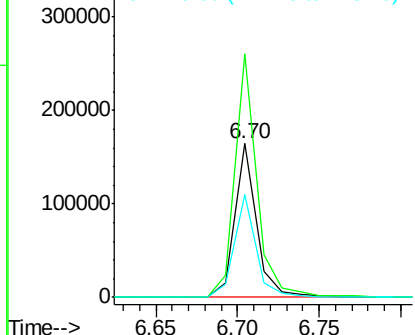
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF086740.D
Acq: 6 May 2016 22:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151109
Ion Ratio Lower Upper
152 100
150 158.5 125.8 188.6
115 66.5 51.5 77.3



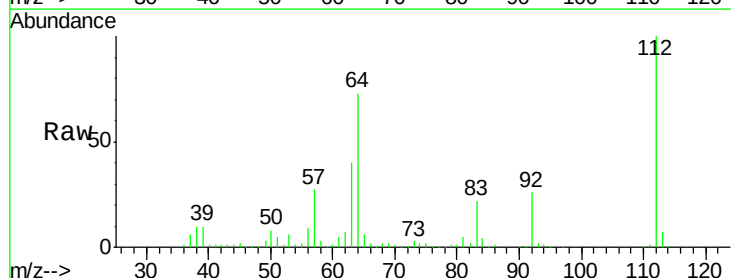
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



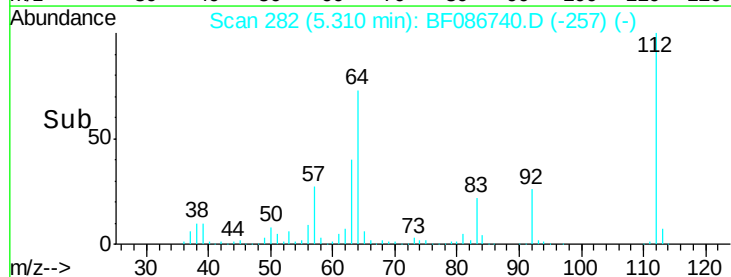
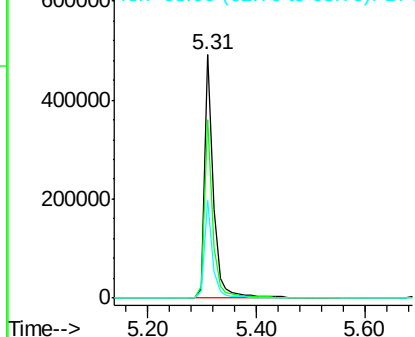
#5

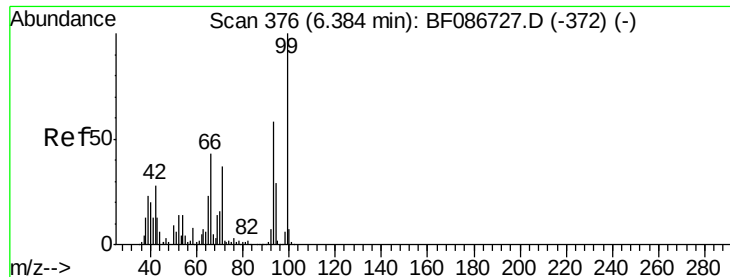
2-Fluorophenol
Concen: 60.74 ng
RT: 5.31 min Scan# 282
Delta R.T. -0.01 min
Lab File: BF086740.D
Acq: 6 May 2016 22:57

Tgt Ion:112 Resp: 554416
Ion Ratio Lower Upper
112 100
64 73.1 52.1 78.1
63 40.1 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: 37.79 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF086740.D

Acq: 6 May 2016 22:57

Instrument :

BNA_F

ClientSampleId :

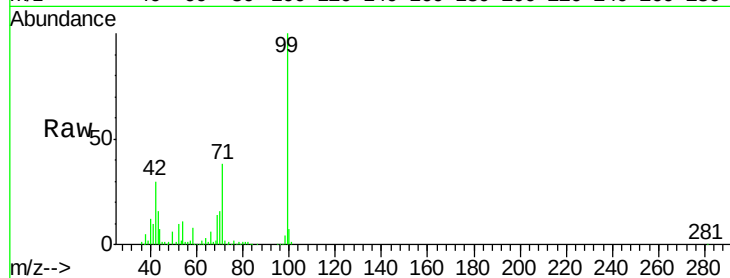
Tot Ion: 99 Resp: 464625

Ion Ratio Lower Upper

99 100

42 30.0 13.6 20.4#

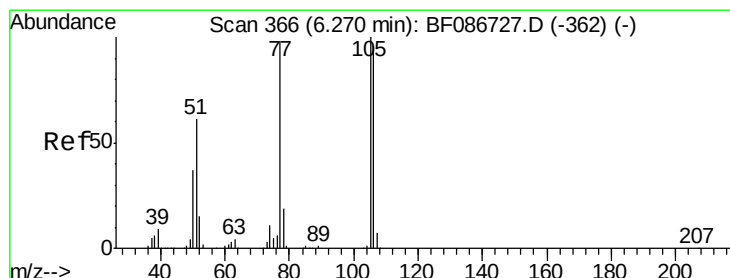
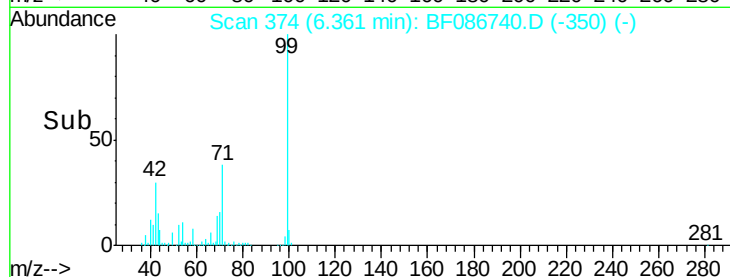
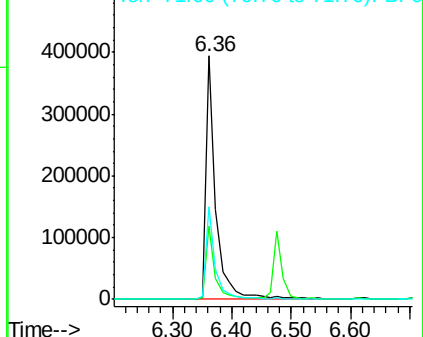
71 37.8 24.6 36.8#



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: 4.35 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.21 min

Lab File: BF086740.D

Acq: 6 May 2016 22:57

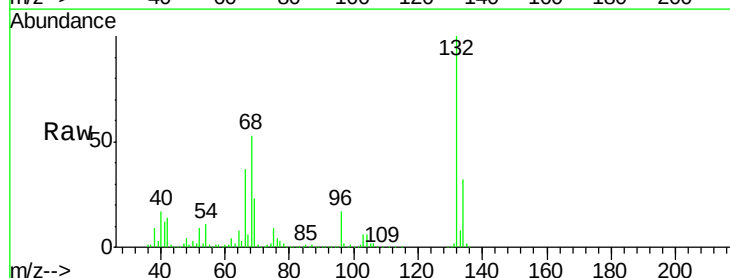
Tgt Ion: 77 Resp: 26691

Ion Ratio Lower Upper

77 100

105 69.1 72.7 112.7#

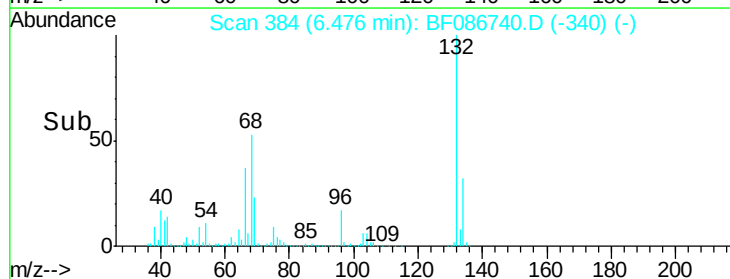
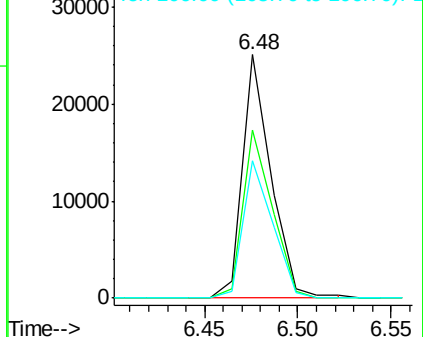
106 56.5 70.8 110.8#

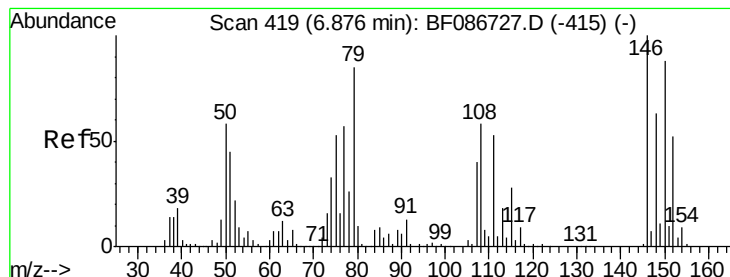


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.48 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF086740.D

Acq: 6 May 2016 22:57

Instrument :

BNA_F

ClientSampled :

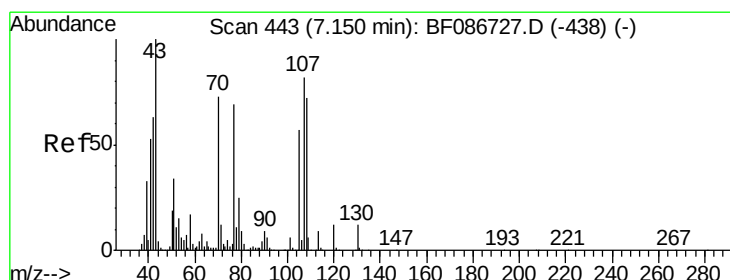
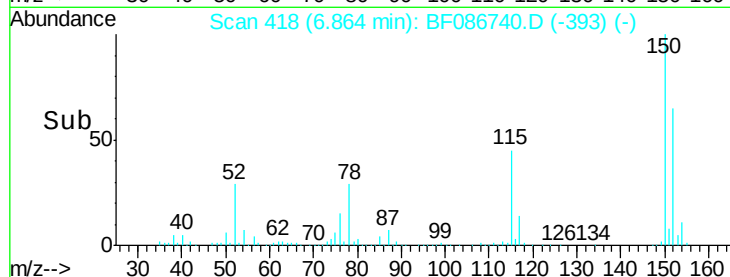
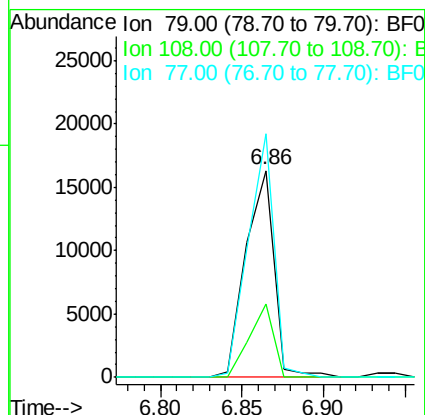
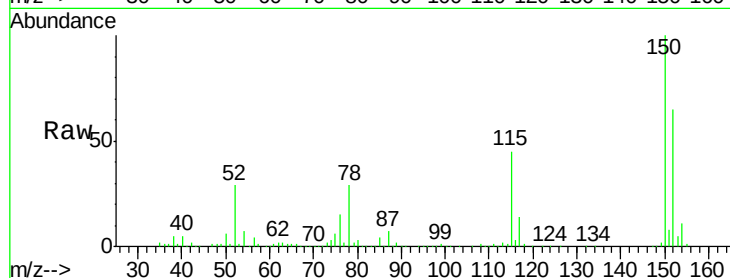
Tot Ion: 79 Resp: 19732

Ion Ratio Lower Upper

79 100

108 35.4 68.4 102.6#

77 117.8 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 16.88 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.13 min

Lab File: BF086740.D

Acq: 6 May 2016 22:57

Tgt Ion: 70 Resp: 141774

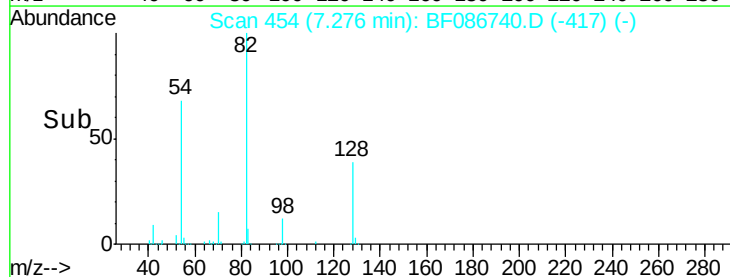
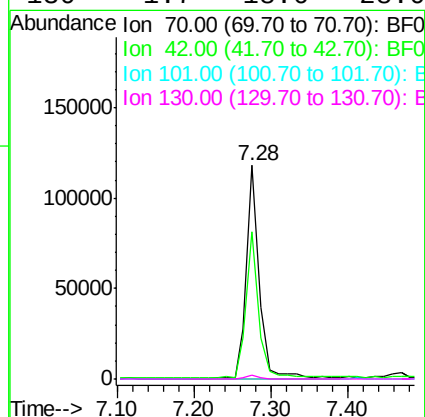
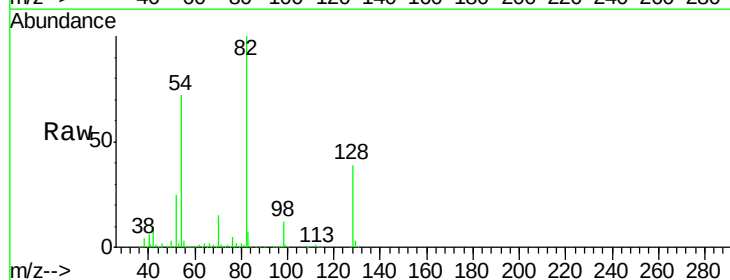
Ion Ratio Lower Upper

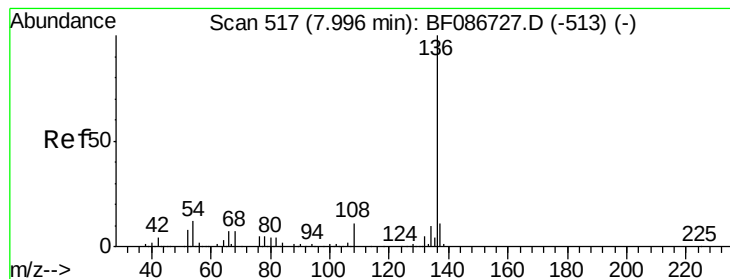
70 100

42 69.0 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#





#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF086740.D

Acq: 6 May 2016 22:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 622146

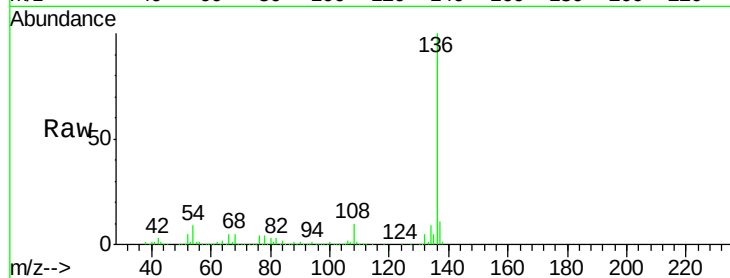
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 9.1 5.0 7.4#

68 5.2 4.4 6.6

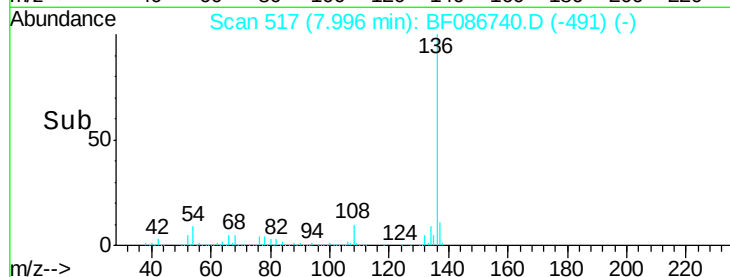


Abundance Ion 136.00 (135.70 to 136.70): E

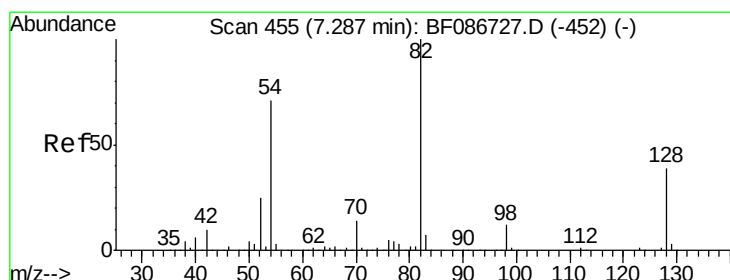
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 81.82 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF086740.D

Acq: 6 May 2016 22:57

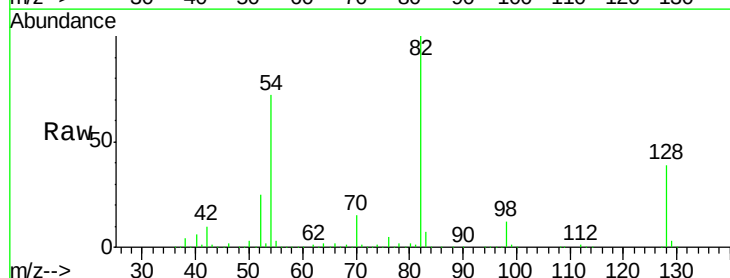
Tgt Ion: 82 Resp: 990551

Ion Ratio Lower Upper

82 100

128 38.7 40.6 61.0#

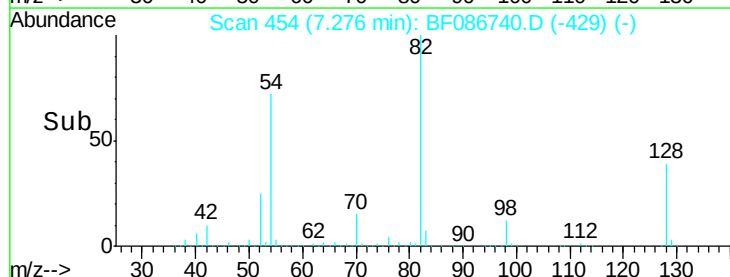
54 72.4 38.1 57.1#



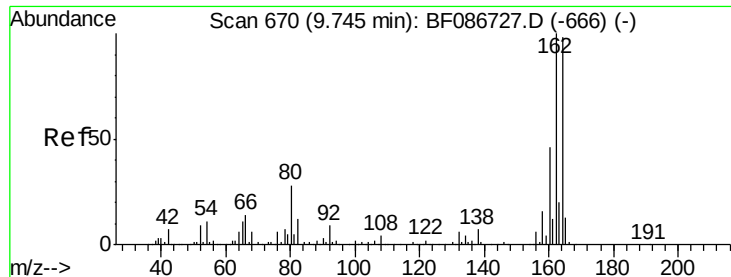
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF086740.D

Acq: 6 May 2016 22:57

Instrument :

BNA_F

ClientSampleId :

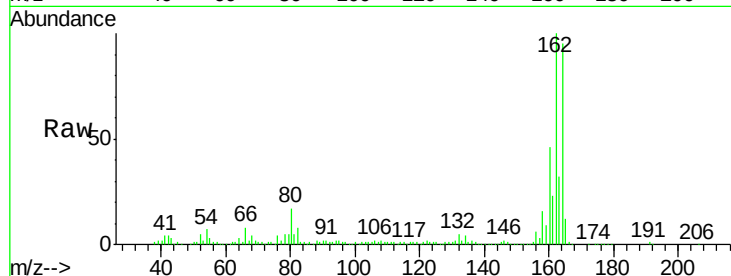
Tot Ion:164 Resp: 291172

Ion Ratio Lower Upper

164 100

162 104.8 82.8 124.2

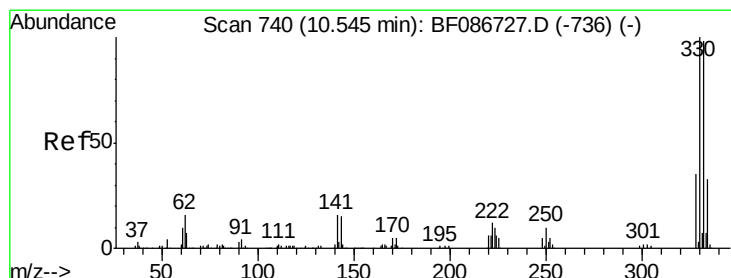
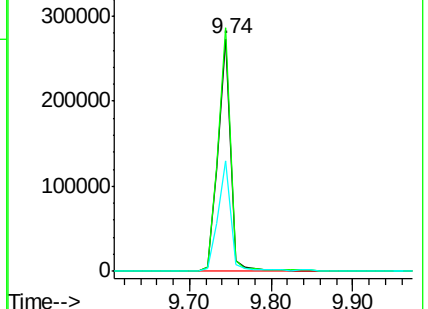
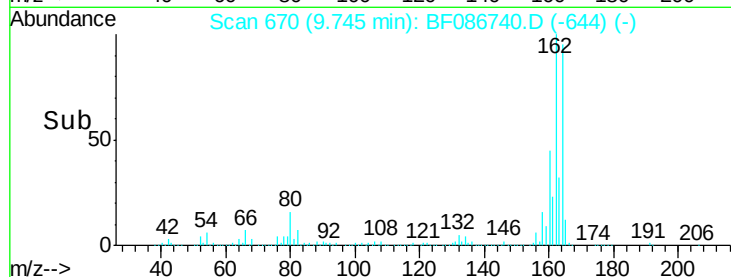
160 47.7 36.9 55.3



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: 128.72 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF086740.D

Acq: 6 May 2016 22:57

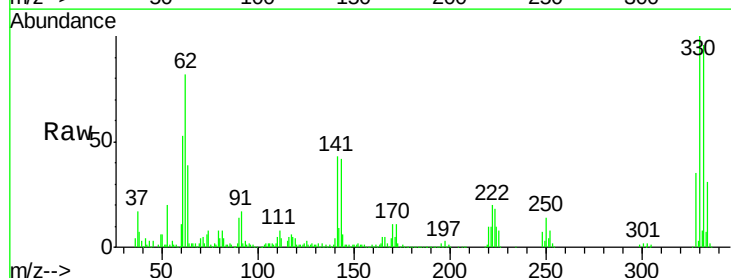
Tgt Ion:330 Resp: 366634

Ion Ratio Lower Upper

330 100

332 96.2 79.0 118.4

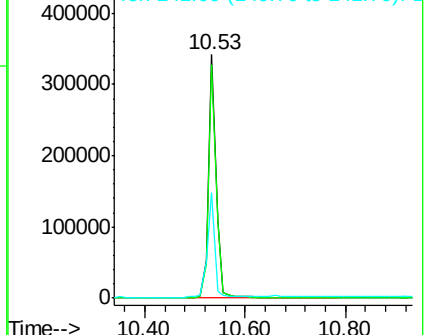
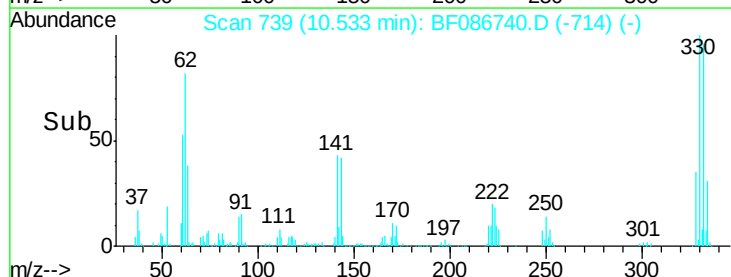
141 40.8 31.2 46.8

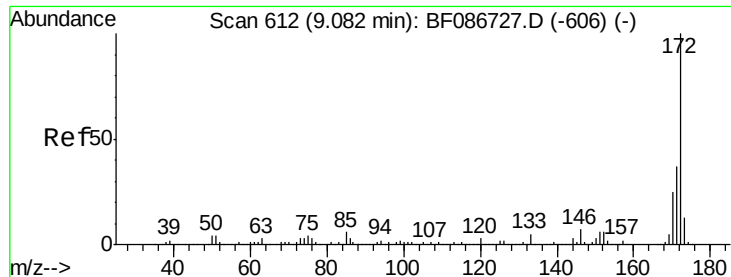


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

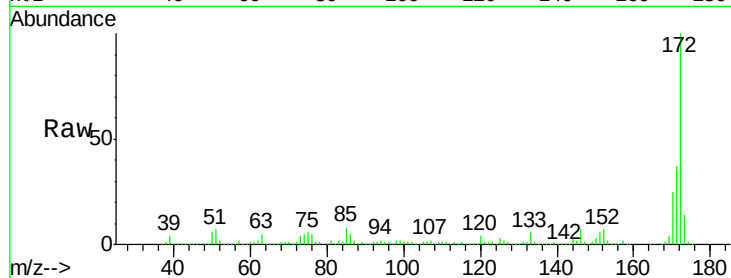




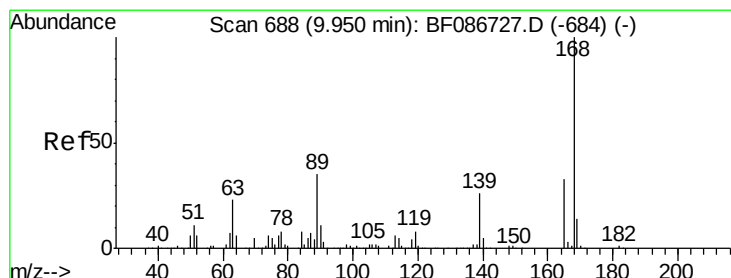
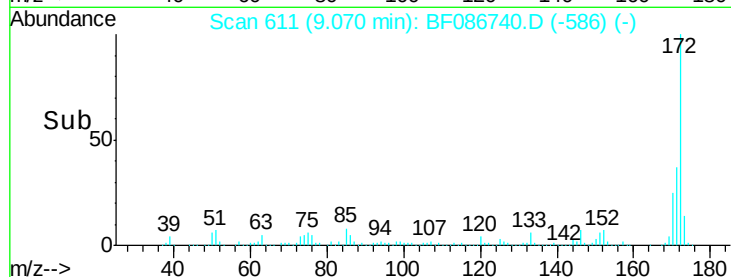
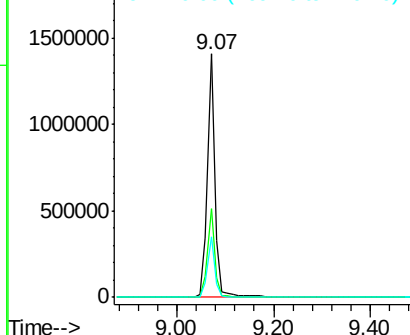
#44
2-Fluorobiphenyl
Concen: 86.95 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.01 min
Lab File: BF086740.D
Acq: 6 May 2016 22:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1544463
Ion Ratio Lower Upper
172 100
171 36.6 29.0 43.6
170 25.1 19.8 29.8

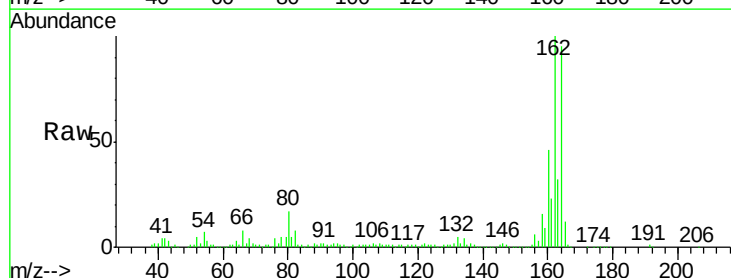


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

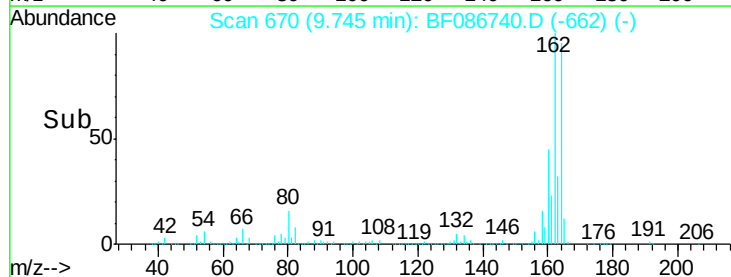
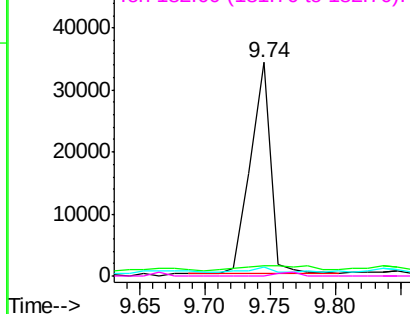


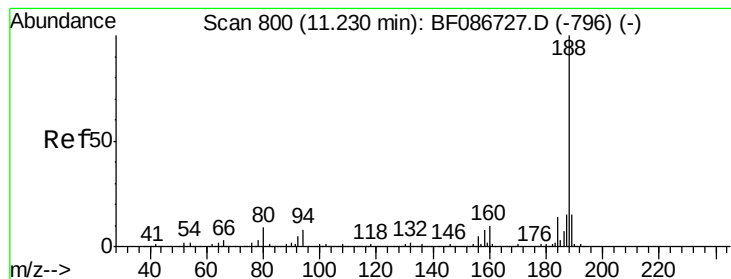
#56
2,4-Dinitrotoluene
Concen: 6.41 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.21 min
Lab File: BF086740.D
Acq: 6 May 2016 22:57

Tgt Ion:165 Resp: 36975
Ion Ratio Lower Upper
165 100
63 5.0 44.3 66.5#
89 4.2 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. -0.01 min

Lab File: BF086740.D

Acq: 6 May 2016 22:57

Instrument :

BNA_F

ClientSampleId :

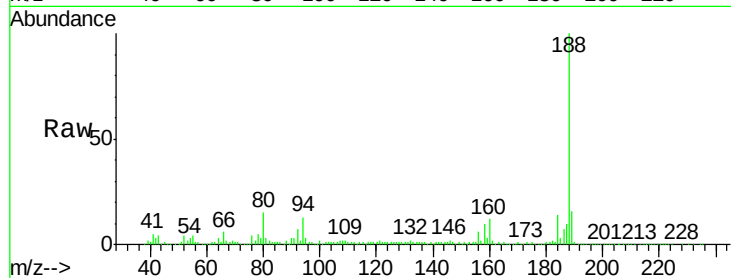
Tot Ion:188 Resp: 477595

Ion Ratio Lower Upper

188 100

94 13.4 6.8 10.2#

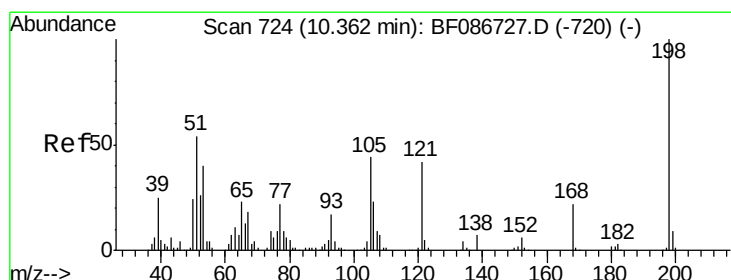
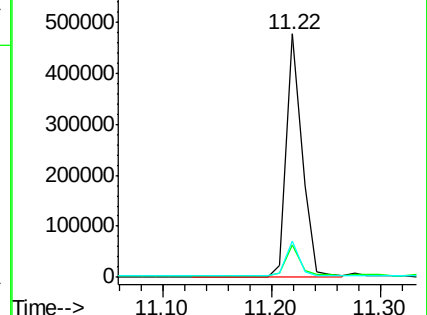
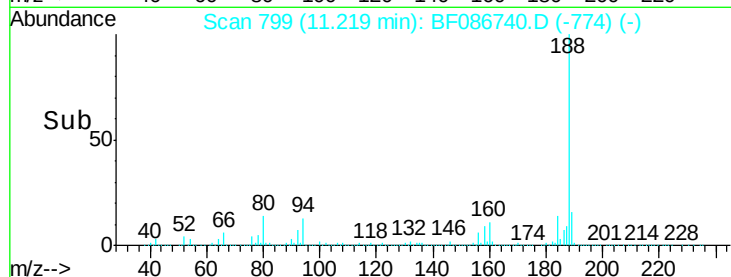
80 14.7 7.1 10.7#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.31 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF086740.D

Acq: 6 May 2016 22:57

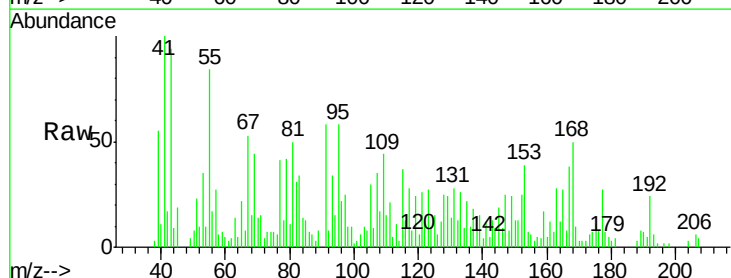
Tgt Ion:198 Resp: 213

Ion Ratio Lower Upper

198 100

51 1004.5 20.5 60.5#

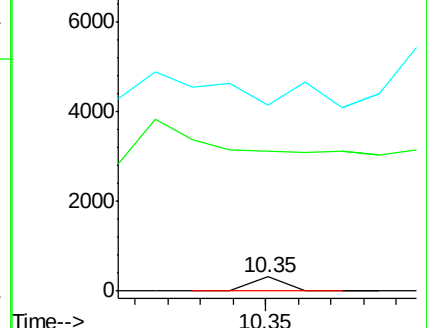
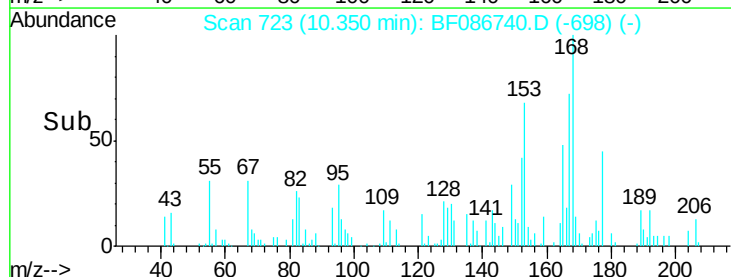
105 1331.8 24.5 64.5#

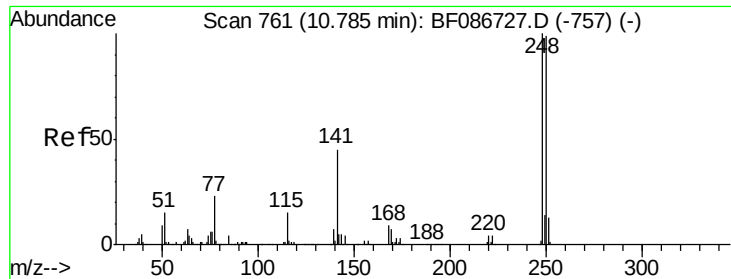


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

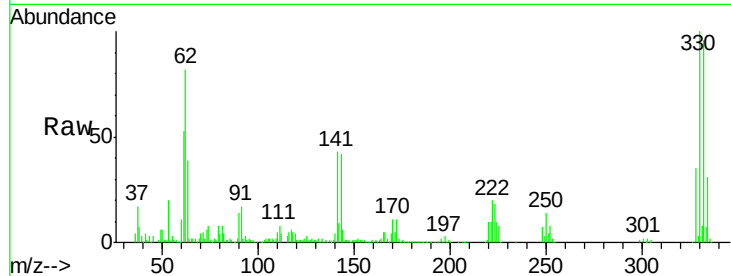




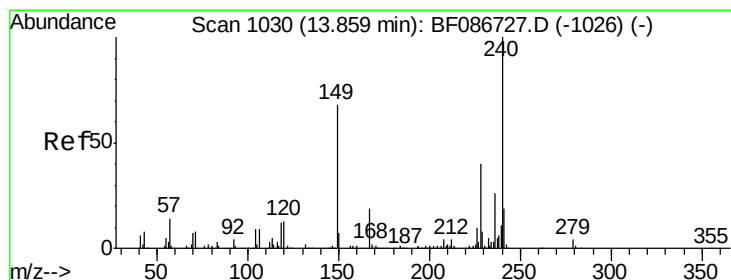
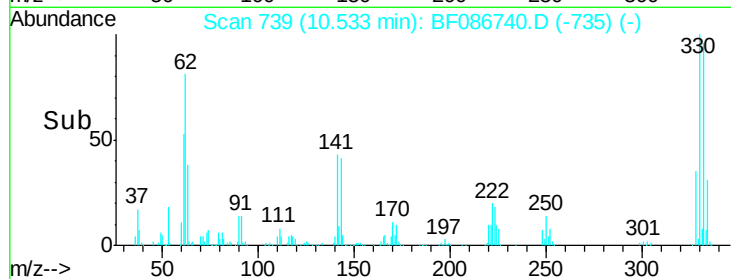
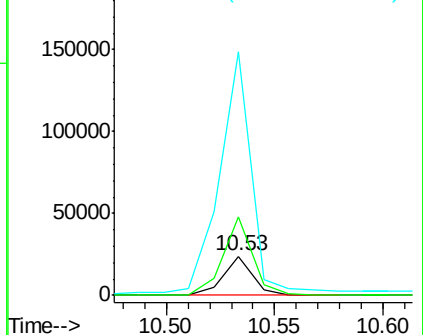
#66
4-Bromophenyl-phenylether
Concen: 4.73 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.25 min
Lab File: BF086740.D
Acq: 6 May 2016 22:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 22431
Ion Ratio Lower Upper
248 100
250 199.9 78.6 117.8#
141 618.0 76.0 114.0#

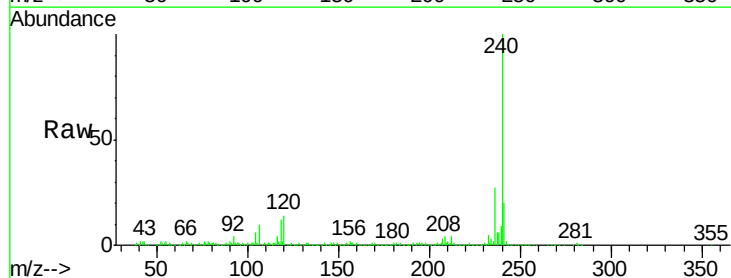


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

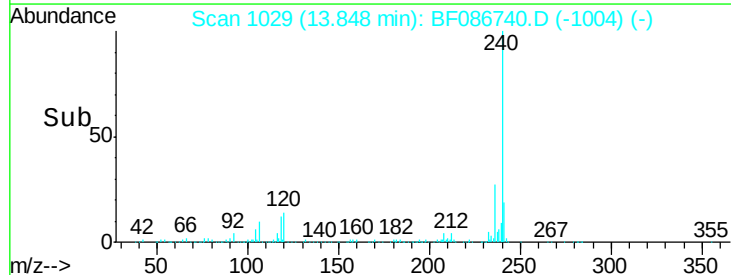
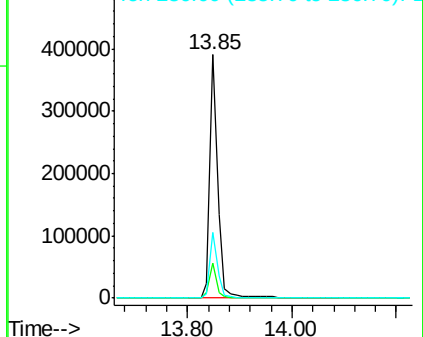


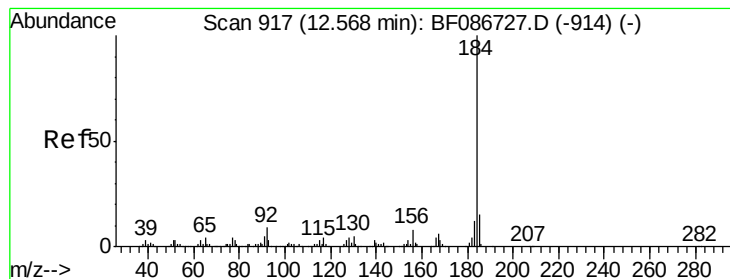
#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF086740.D
Acq: 6 May 2016 22:57

Tgt Ion:240 Resp: 407786
Ion Ratio Lower Upper
240 100
120 14.3 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: 7.16 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF086740.D

Acq: 6 May 2016 22:57

Instrument :

BNA_F

ClientSampleId :

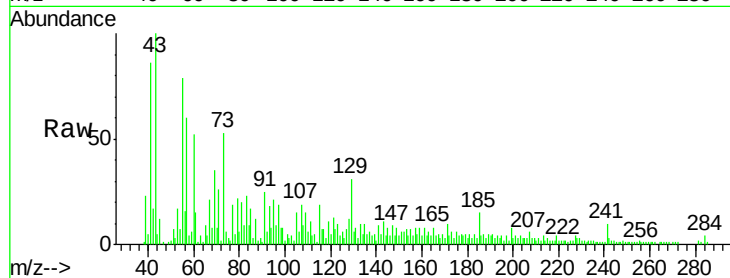
Tot Ion:184 Resp: 933

Ion Ratio Lower Upper

184 100

185 526.8 13.6 20.4#

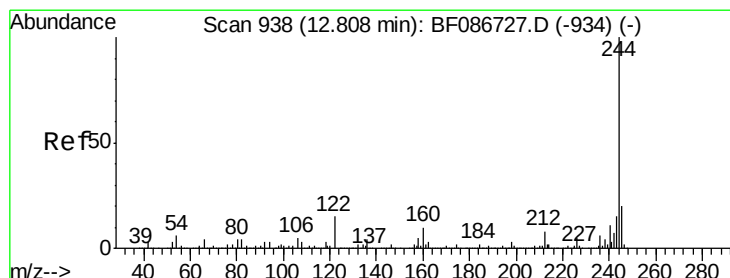
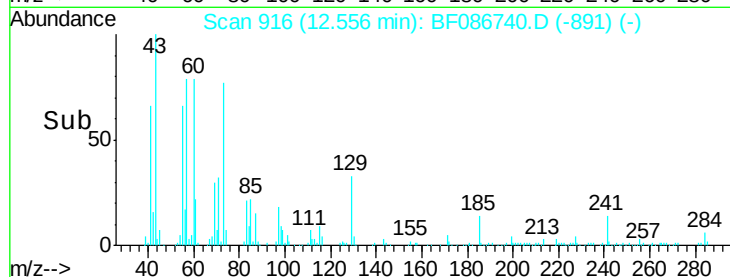
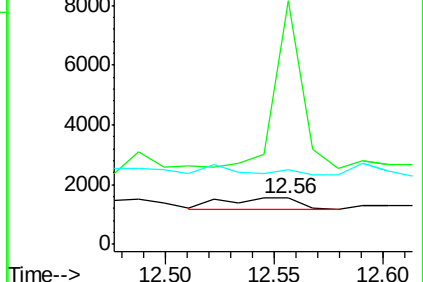
183 162.6 9.8 14.6#



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: 67.07 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF086740.D

Acq: 6 May 2016 22:57

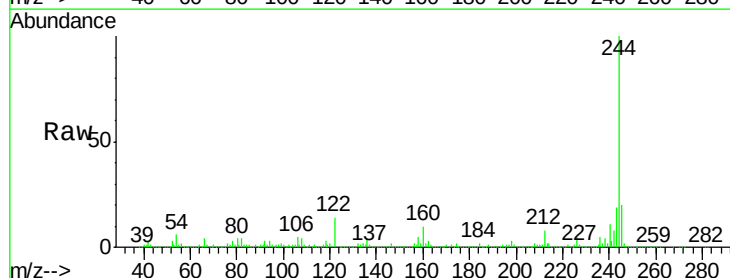
Tgt Ion:244 Resp: 1353338

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

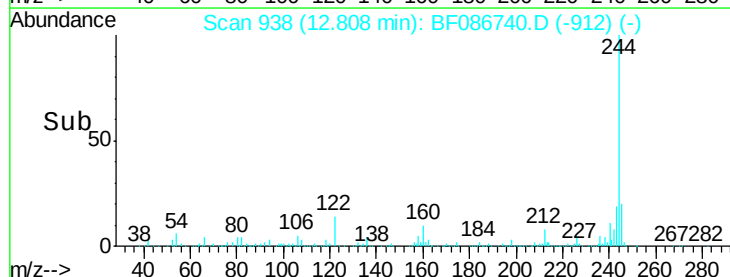
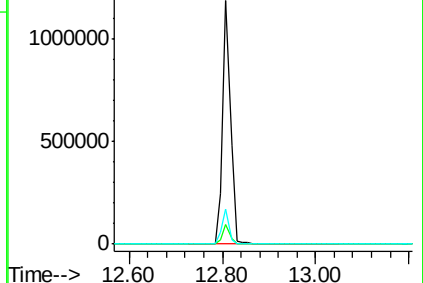
122 14.5 12.0 18.0

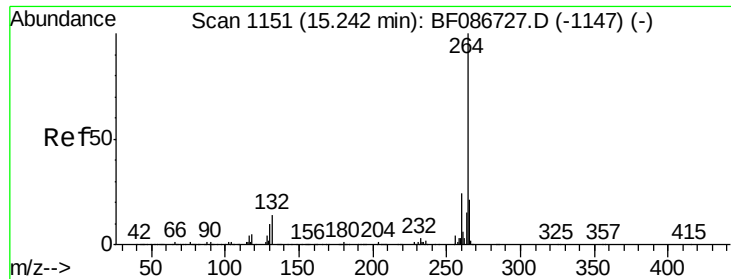


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 40.00 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF086740.D
Acq: 6 May 2016 22:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.2	17.3	25.9

