

Data Path : Z:\HPCHEM1\BNA F\Data\BF071615\
 Data File : BF080527.D
 Acq On : 16 Jul 2015 23:39
 Operator : TP/UM
 Sample : G2951-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E2

Quant Time: Jul 17 07:34:01 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 17:11:01 2015
 Response via : Initial Calibration

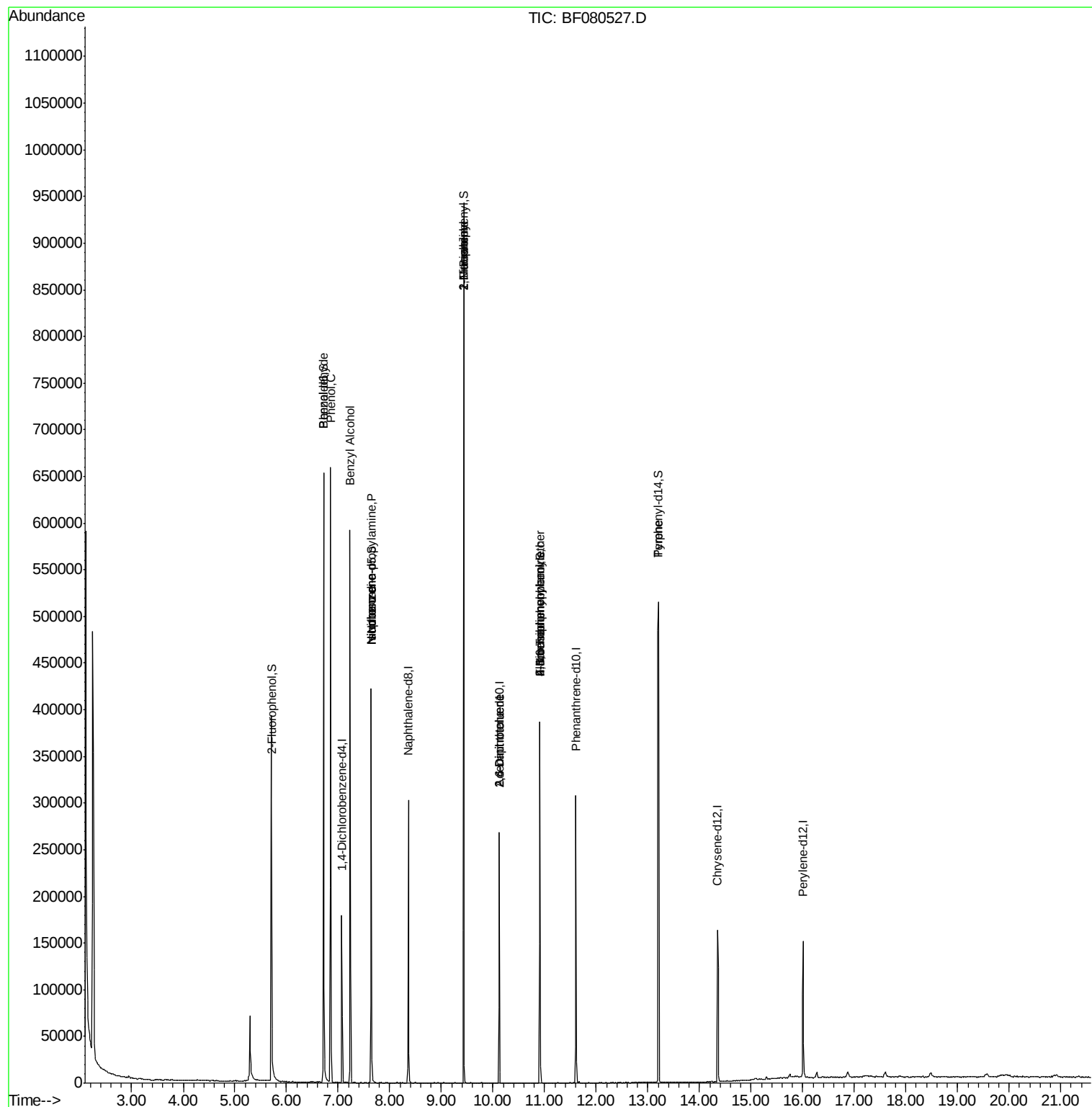
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.07	152	28357	20.00	ng	0.00
21) Naphthalene-d8	8.36	136	118602	20.00	ng	0.00
38) Acenaphthene-d10	10.12	164	54171	20.00	ng	0.00
63) Phenanthrene-d10	11.61	188	105434	20.00	ng	0.00
75) Chrysene-d12	14.35	240	78742	20.00	ng	-0.08
86) Perylene-d12	16.01	264	75723	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	149513	89.88	ng	0.01
7) Phenol-d6	6.72	99	197613	87.48	ng	0.00
23) Nitrobenzene-d5	7.64	82	126745	62.73	ng	0.00
41) 2,4,6-Tribromophenol	10.91	330	43749	103.80	ng	0.00
44) 2-Fluorobiphenyl	9.44	172	271474	68.20	ng	0.00
78) Terphenyl-d14	13.21	244	245455	64.63	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.72	77	236	0.15	ng	# 1
10) Phenol	6.85	94	263	0.11	ng	# 1
15) Benzyl Alcohol	7.23	79	2387	1.51	ng	# 29
19) n-Nitroso-di-n-propylamine	7.64	70	16087	11.73	ng	# 60
24) Nitrobenzene	7.64	77	366	0.18	ng	# 20
25) Isophorone	7.64	82	126742	35.51	ng	# 58
45) 1,1'-Biphenyl	9.44	154	490	0.11	ng	# 1
47) 2-Nitroaniline	9.44	65	361	0.42	ng	# 1
50) 2,6-Dinitrotoluene	10.12	165	6651	9.15	ng	# 37
56) 2,4-Dinitrotoluene	10.12	165	6651	6.31	ng	# 31
57) Fluorene	10.91	166	2180	0.59	ng	# 81
65) n-Nitrosodiphenylamine	10.91	169	1696	0.47	ng	# 39
66) 4-Bromophenyl-phenylether	10.91	248	3435	3.34	ng	# 1
77) Pyrene	13.21	202	830	0.16	ng	# 59

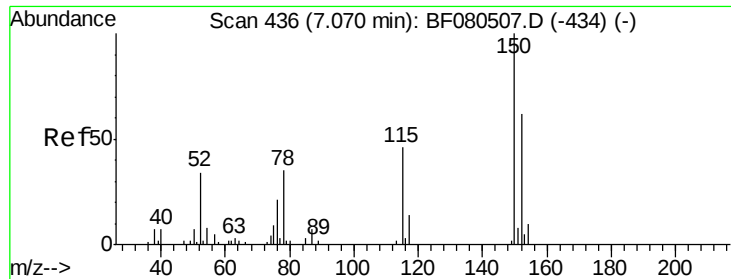
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.07 min Scan# 436

Delta R.T. -0.00 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

Instrument :

BNA_F

ClientSampled :

TEC-E2

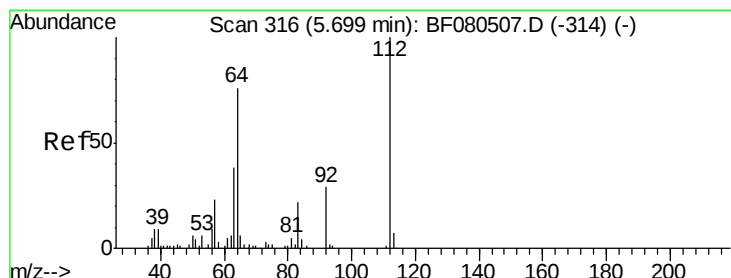
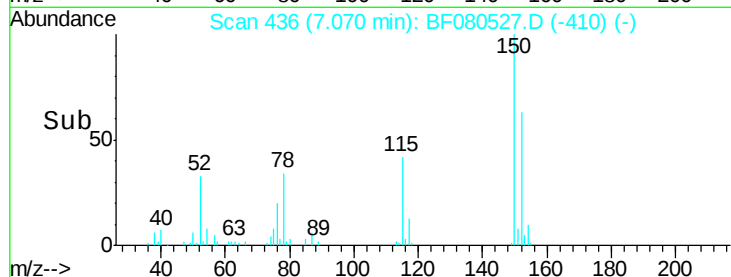
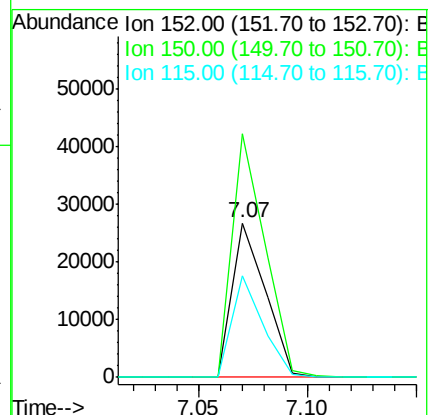
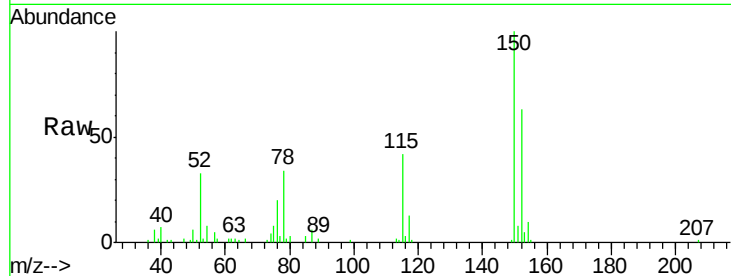
Tot Ion:152 Resp: 28357

Ion Ratio Lower Upper

152 100

150 158.1 124.7 187.1

115 66.3 39.0 58.4#



#5

2-Fluorophenol

Concen: 89.88 ng

RT: 5.71 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

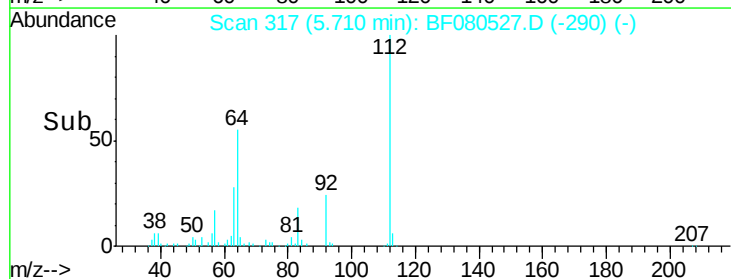
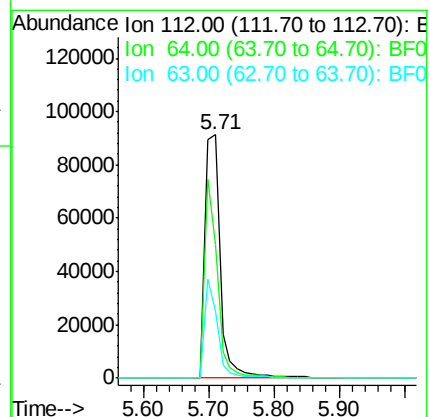
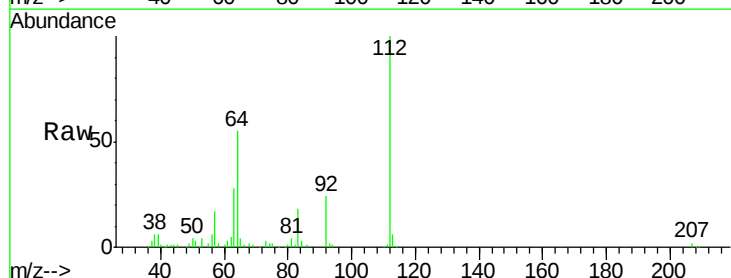
Tgt Ion:112 Resp: 149513

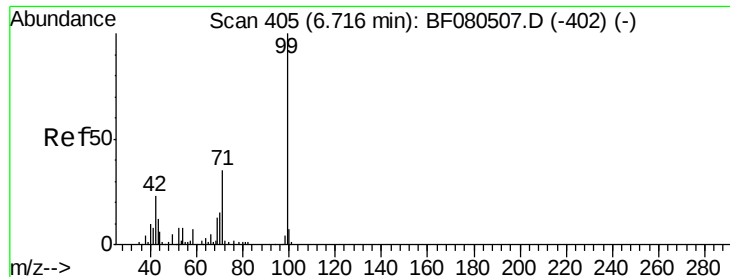
Ion Ratio Lower Upper

112 100

64 54.7 39.7 59.5

63 27.6 17.4 26.0#





#7

Phenol-d6

Concen: 87.48 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.00 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

Instrument :

BNA_F

ClientSampleId :

TEC-E2

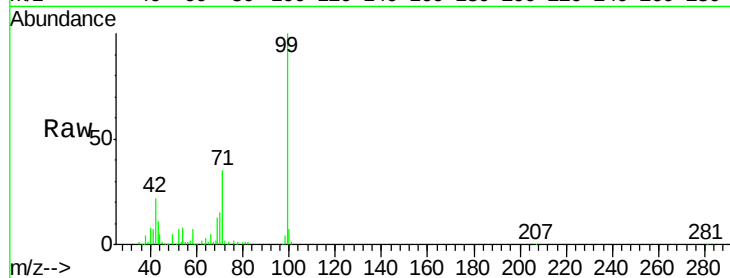
Tot Ion: 99 Resp: 197613

Ion Ratio Lower Upper

99 100

42 21.7 13.7 20.5#

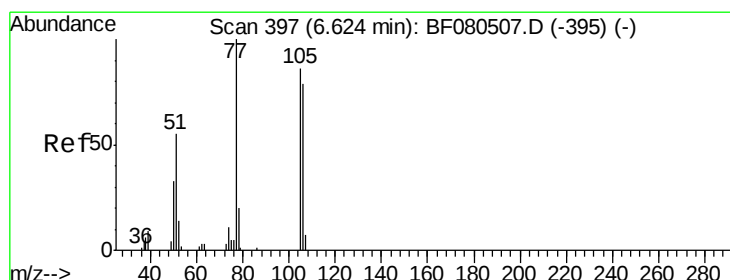
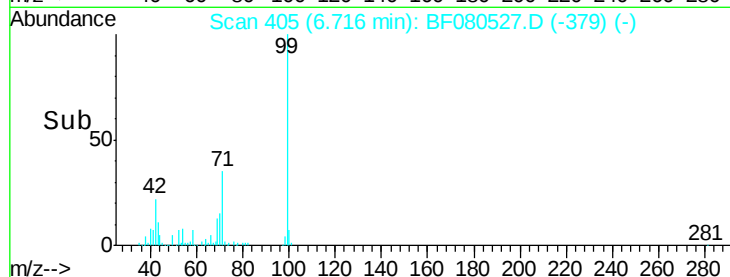
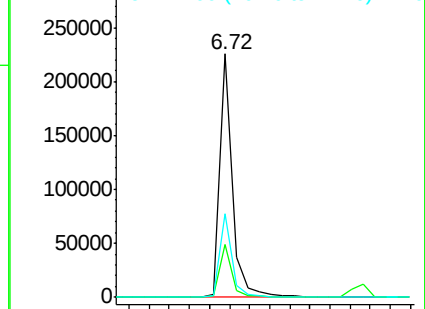
71 34.6 14.2 21.2#



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: 0.15 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.09 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

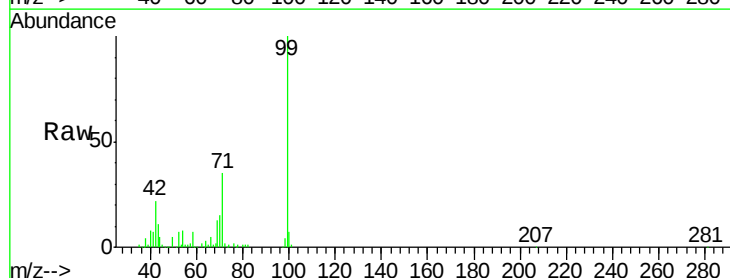
Tgt Ion: 77 Resp: 236

Ion Ratio Lower Upper

77 100

105 0.0 91.6 131.6#

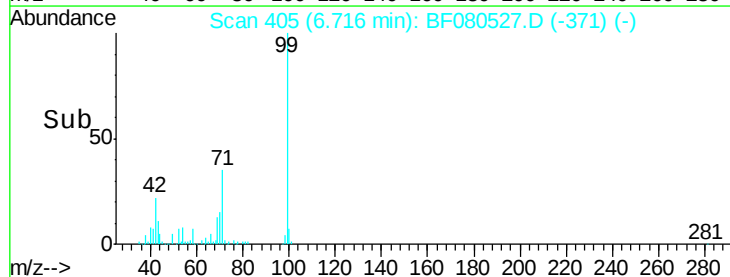
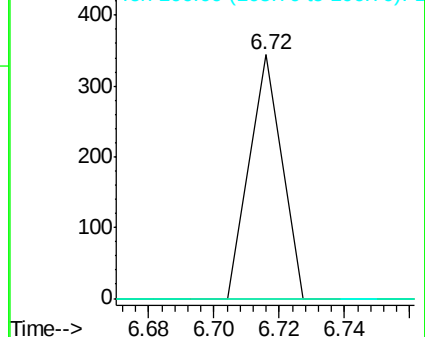
106 0.0 102.6 142.6#

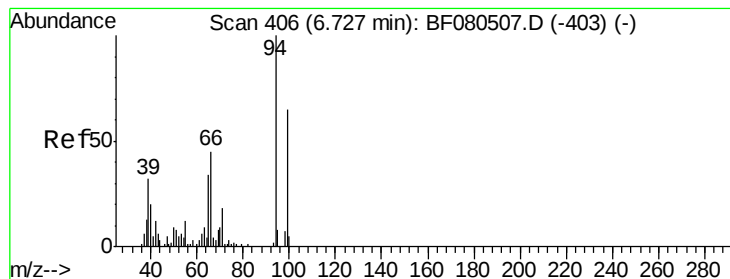


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.11 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.13 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

Instrument :

BNA_F

ClientSampleId :

TEC-E2

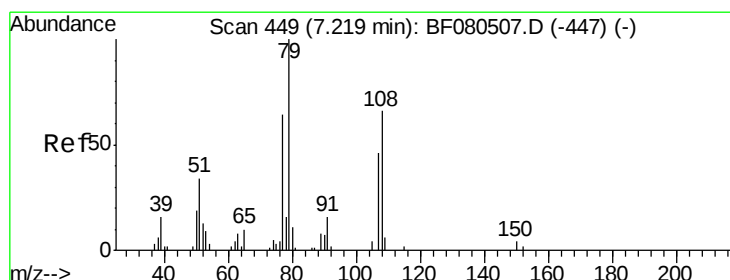
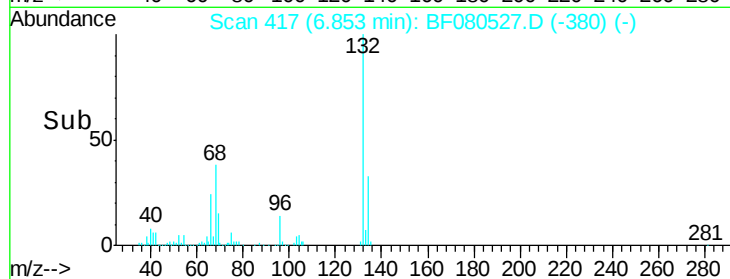
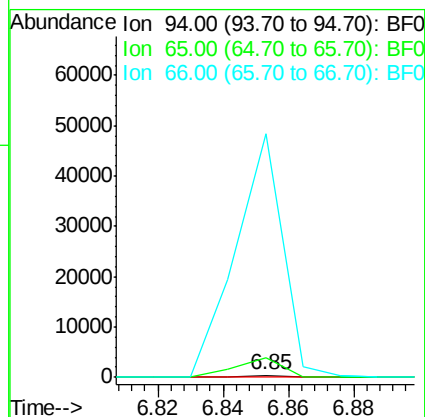
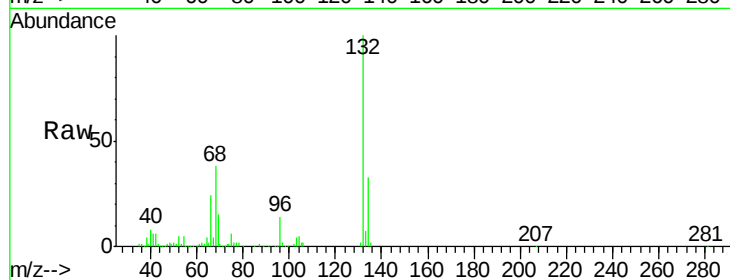
Tot Ion: 94 Resp: 263

Ion Ratio Lower Upper

94 100

65 1036.5 0.7 40.7#

66 12597.9 0.8 40.8#



#15

Benzyl Alcohol

Concen: 1.51 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.01 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

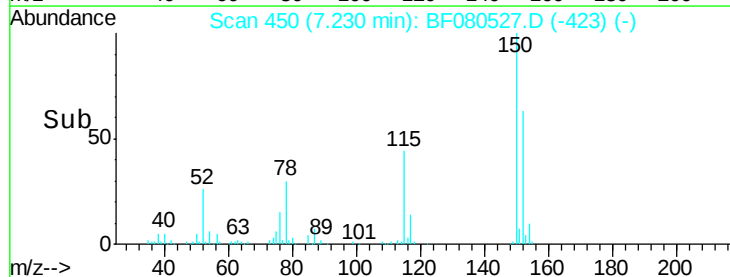
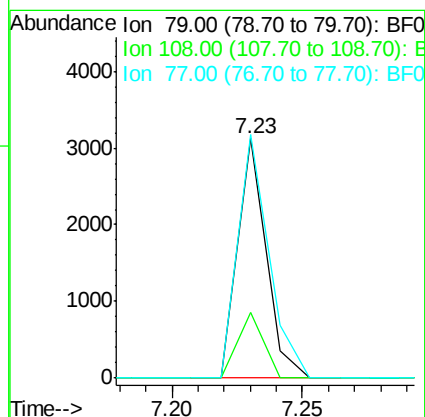
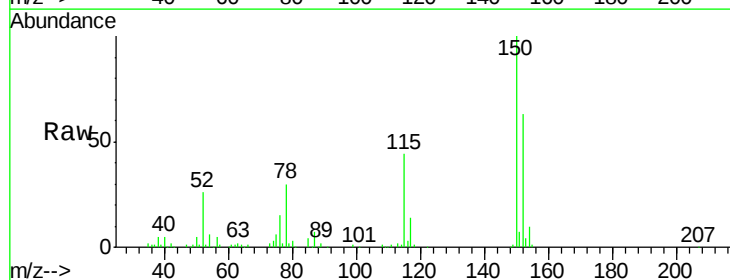
Tgt Ion: 79 Resp: 2387

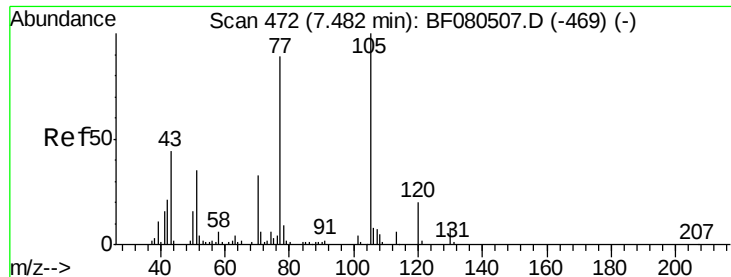
Ion Ratio Lower Upper

79 100

108 27.6 88.6 132.8#

77 101.7 47.0 70.4#

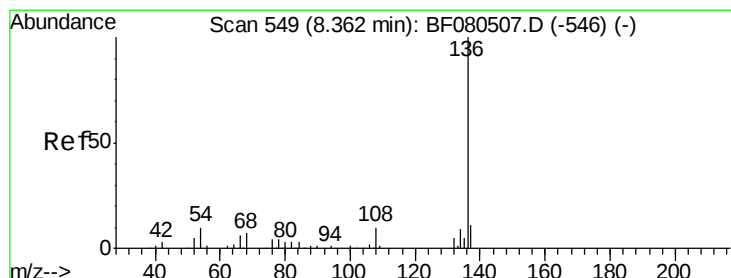
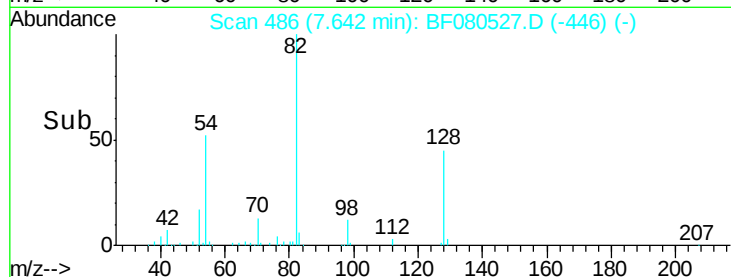
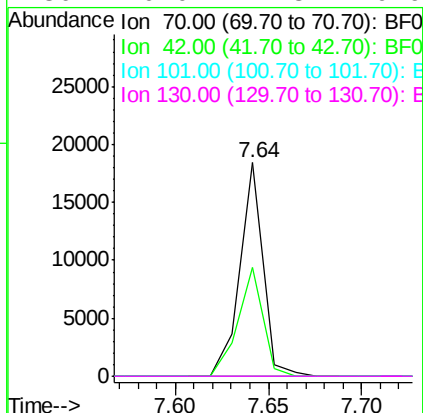
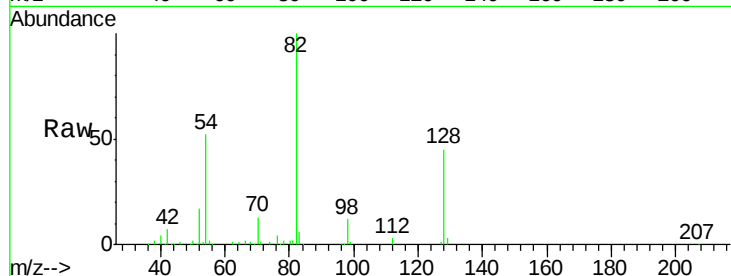




#19
n-Nitroso-di-n-propylamine
Concen: 11.73 ng
RT: 7.64 min Scan# 486
Delta R.T. 0.16 min
Lab File: BF080527.D
Acq: 16 Jul 2015 23:39

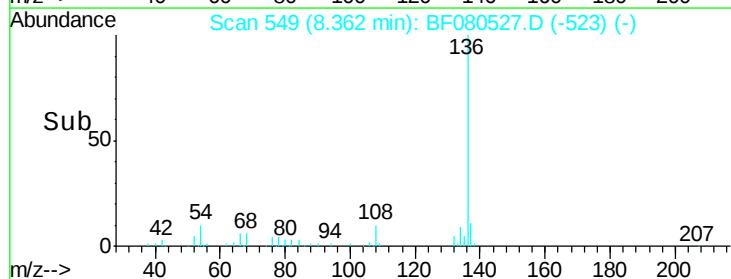
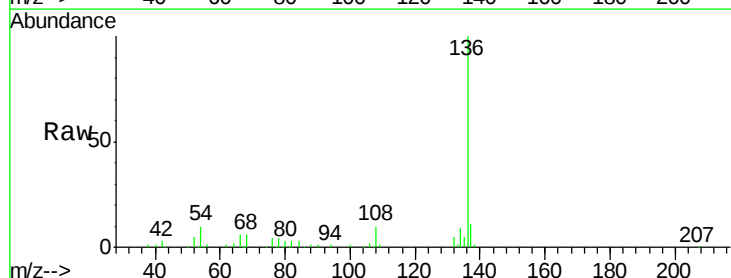
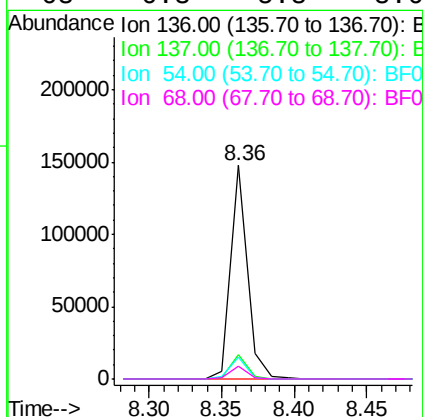
Instrument :
BNA_F
ClientSampleId :
TEC-E2

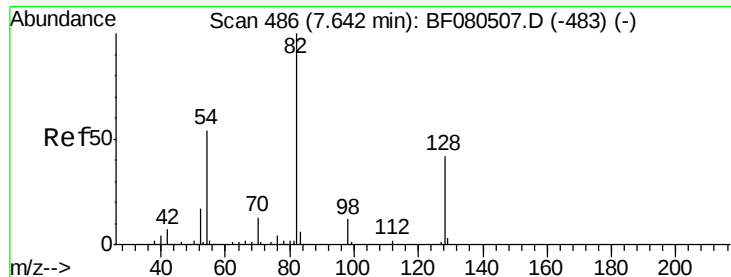
Tot Ion: 70 Resp: 16087
Ion Ratio Lower Upper
70 100
42 51.0 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.36 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF080527.D
Acq: 16 Jul 2015 23:39

Tgt Ion: 136 Resp: 118602
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 9.9 8.2 12.2
68 6.3 5.8 8.6

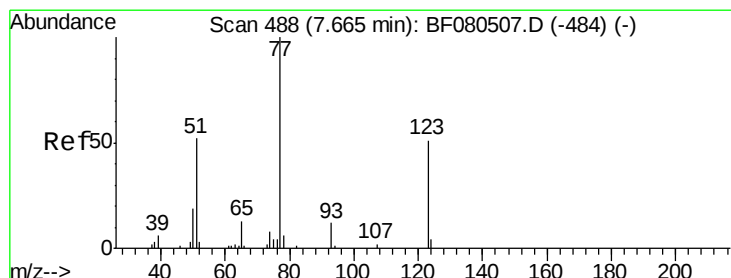
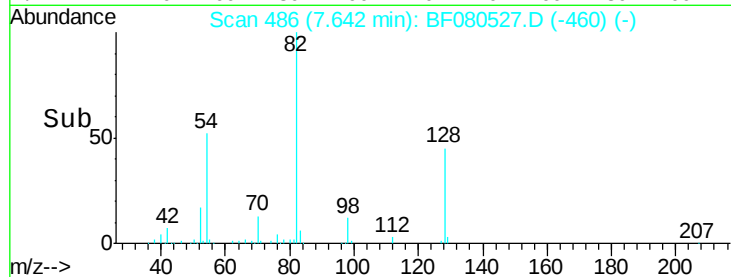
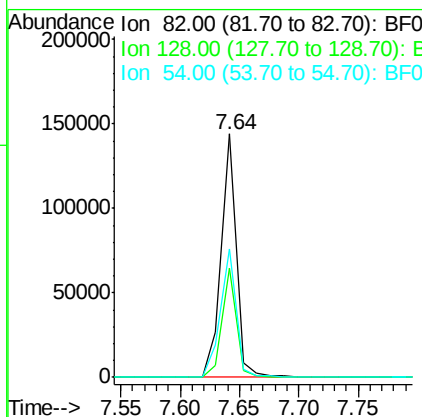
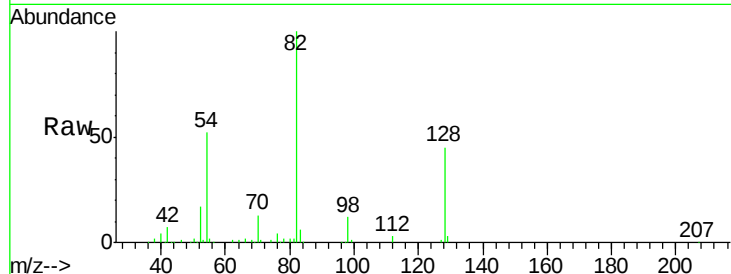




#23
 Nitrobenzene-d5
 Concen: 62.73 ng
 RT: 7.64 min Scan# 486
 Delta R.T. -0.00 min
 Lab File: BF080527.D
 Acq: 16 Jul 2015 23:39

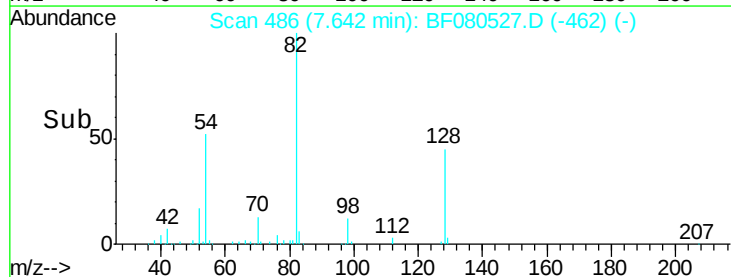
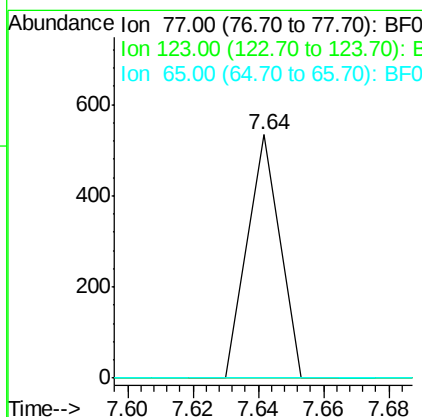
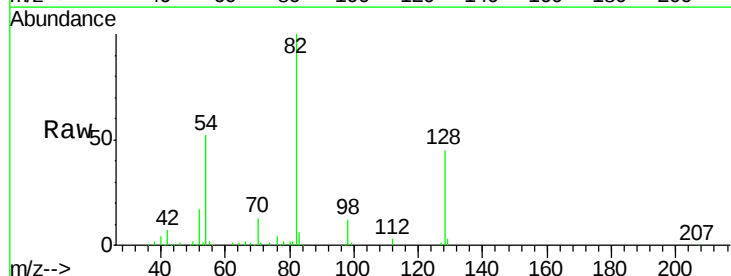
Instrument :
 BNA_F
 ClientSampled :
 TEC-E2

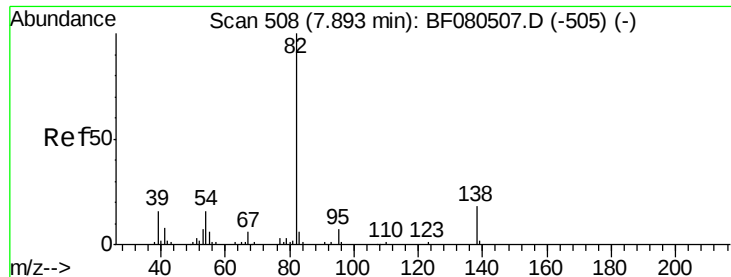
Tot Ion	82	Resp	126745
Ion Ratio	100		
Lower			
Upper			
128	44.9	51.0	76.6#
54	52.5	47.5	71.3



#24
 Nitrobenzene
 Concen: 0.18 ng
 RT: 7.64 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: BF080527.D
 Acq: 16 Jul 2015 23:39

Tgt Ion	77	Resp	366
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
123	0.0	59.8	89.8#
65	0.0	10.2	15.4#





#25

Isophorone

Concen: 35.51 ng

RT: 7.64 min Scan# 486

Delta R.T. -0.25 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

Instrument :

BNA_F

ClientSampleId :

TEC-E2

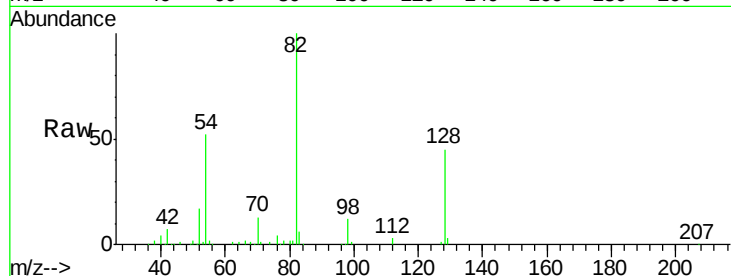
Tot Ion: 82 Resp: 126742

Ion Ratio Lower Upper

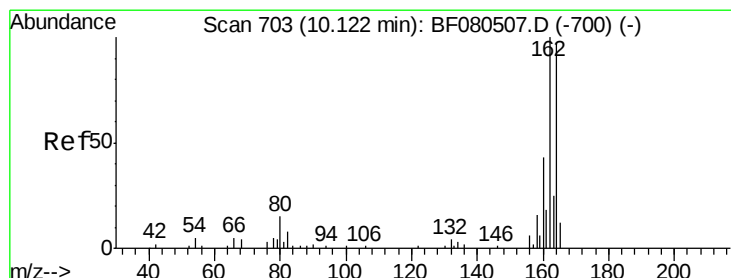
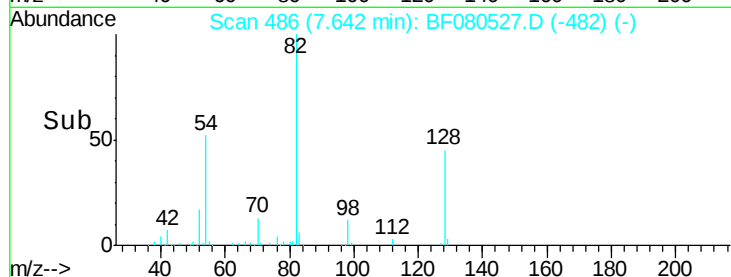
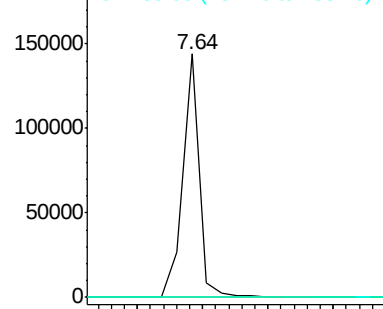
82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.00 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

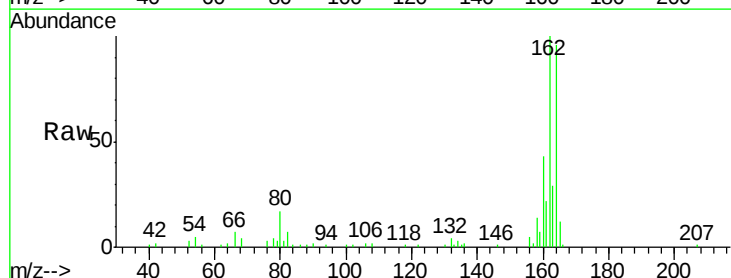
Tgt Ion:164 Resp: 54171

Ion Ratio Lower Upper

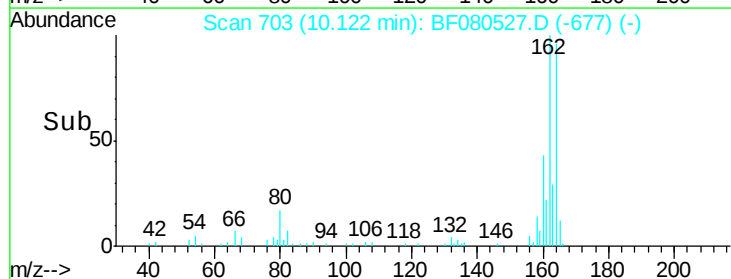
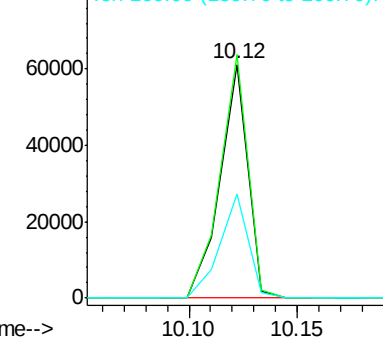
164 100

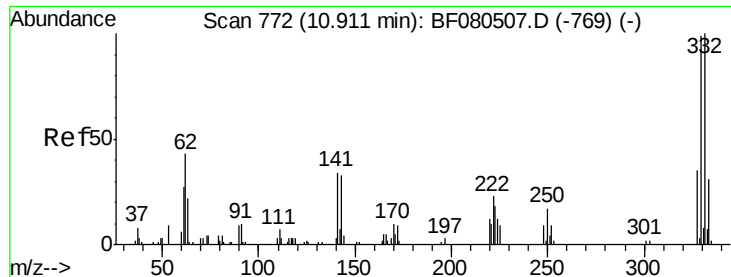
162 104.1 75.2 112.8

160 44.6 31.5 47.3



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

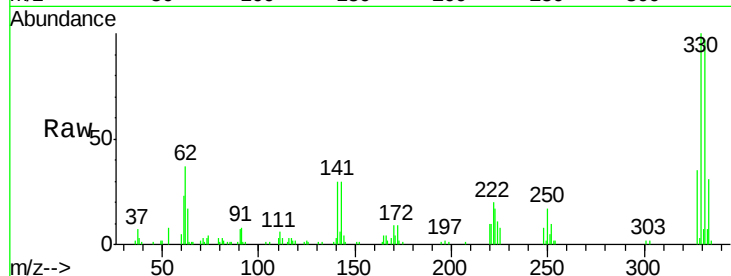




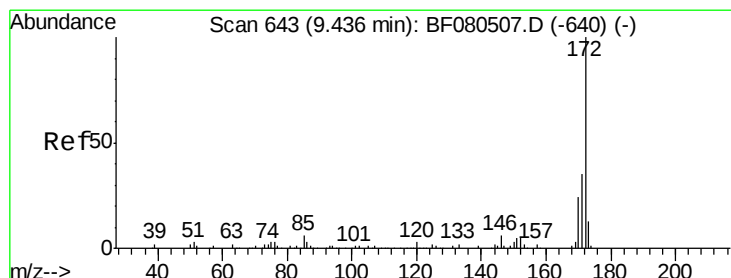
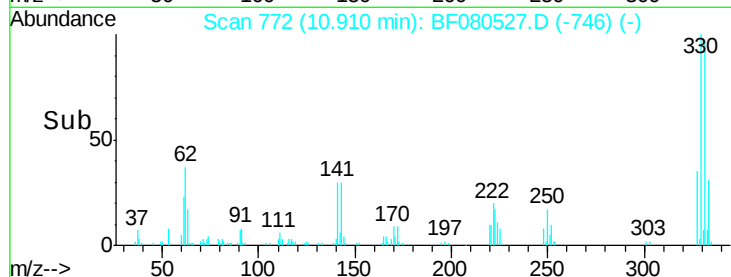
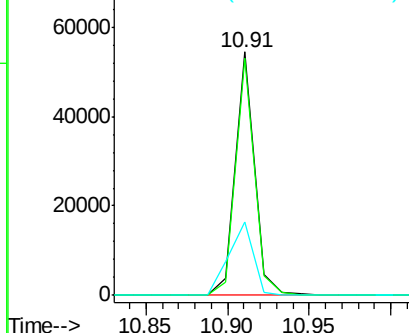
#41
 2,4,6-Tribromophenol
 Concen: 103.80 ng
 RT: 10.91 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BF080527.D
 Acq: 16 Jul 2015 23:39

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E2

Tot Ion:330 Resp: 43749
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 114.8
 141 38.4 29.7 44.5

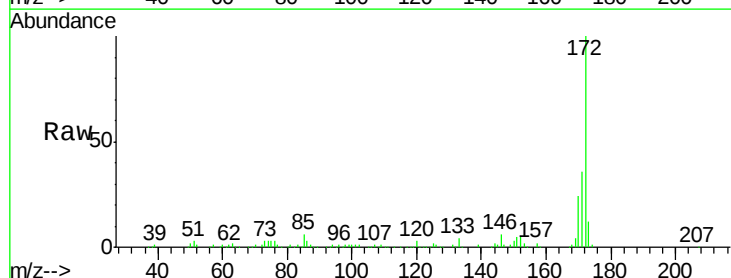


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

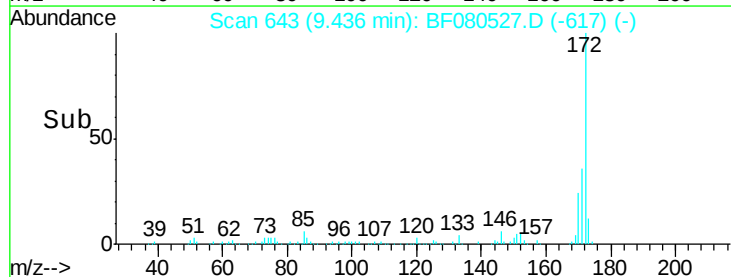
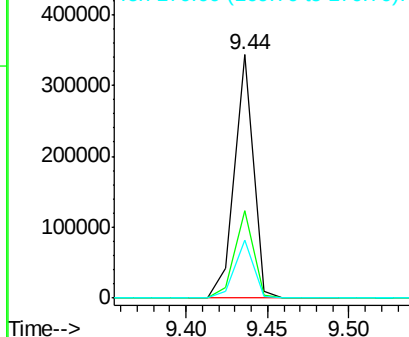


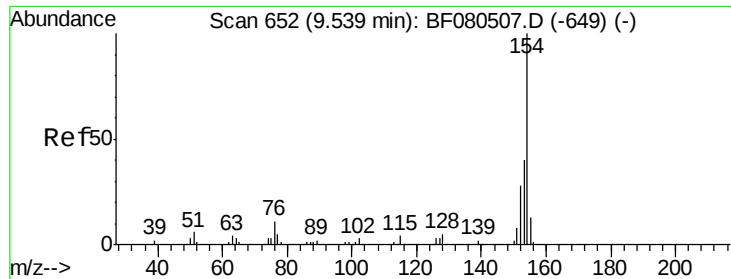
#44
 2-Fluorobiphenyl
 Concen: 68.20 ng
 RT: 9.44 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: BF080527.D
 Acq: 16 Jul 2015 23:39

Tgt Ion:172 Resp: 271474
 Ion Ratio Lower Upper
 172 100
 171 36.0 26.1 39.1
 170 23.8 17.4 26.2



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





#45

1,1'-Biphenyl

Concen: 0.11 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.10 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

Instrument :

BNA_F

ClientSampleId :

TEC-E2

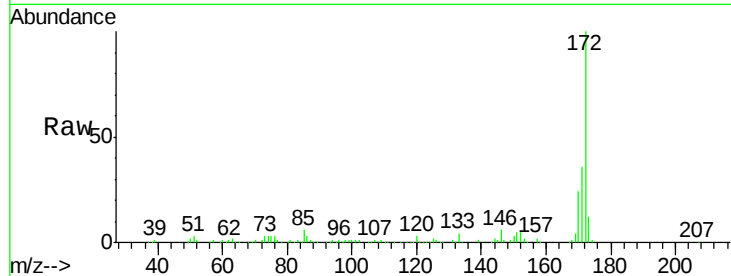
Tot Ion:154 Resp: 490

Ion Ratio Lower Upper

154 100

153 848.3 17.1 57.1#

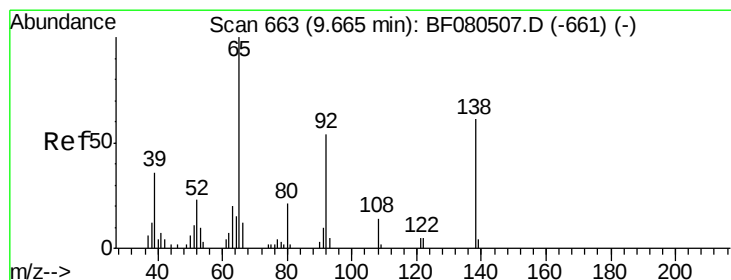
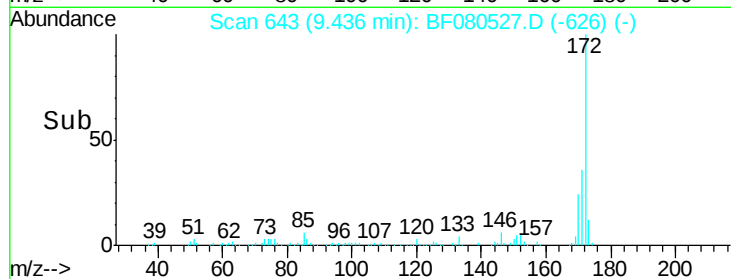
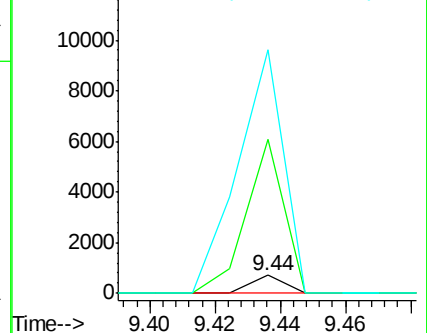
76 1345.0 0.0 31.6#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



#47

2-Nitroaniline

Concen: 0.42 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.23 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

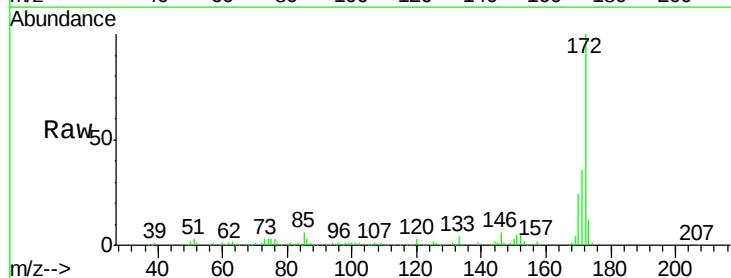
Tgt Ion: 65 Resp: 361

Ion Ratio Lower Upper

65 100

92 184.0 55.4 83.0#

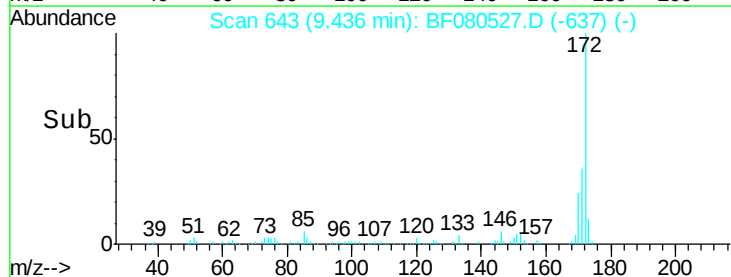
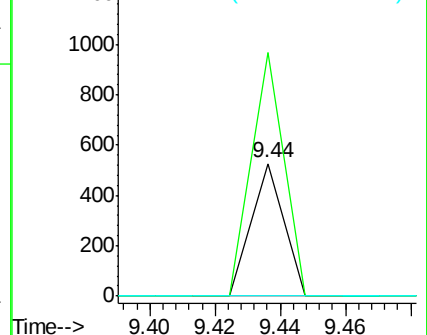
138 0.0 115.5 173.3#

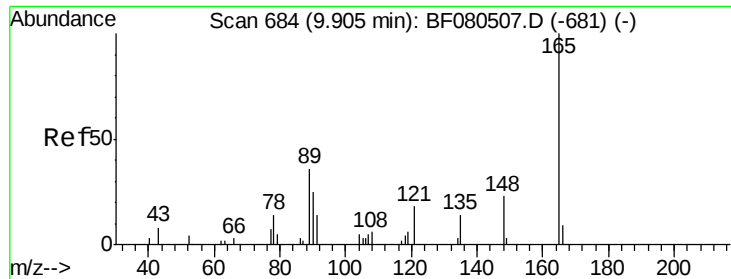


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#50

2,6-Dinitrotoluene

Concen: 9.15 ng

RT: 10.12 min Scan# 703

Delta R.T. 0.22 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

Instrument :

BNA_F

ClientSampleID :

TEC-E2

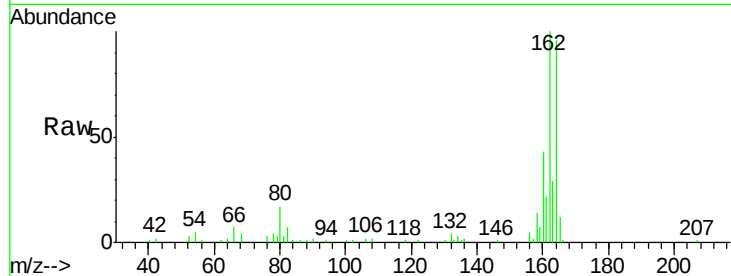
Tot Ion:165 Resp: 6651

Ion Ratio Lower Upper

165 100

63 0.0 32.3 48.5#

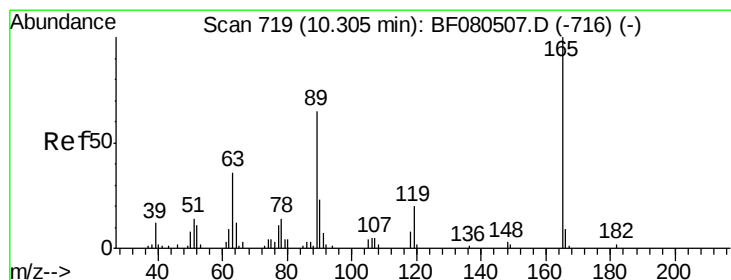
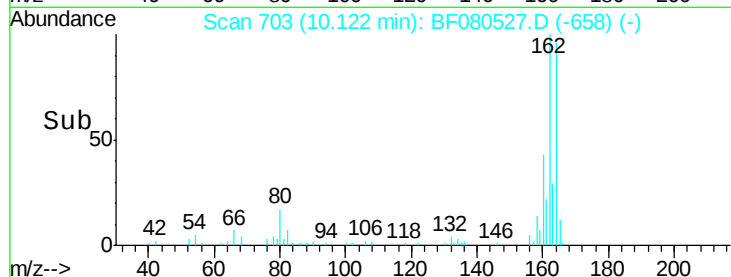
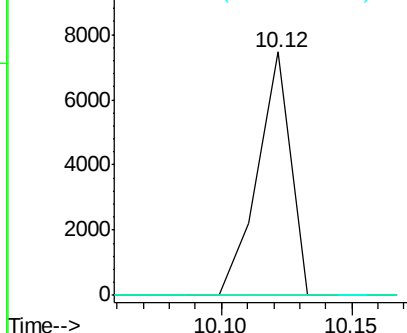
89 0.0 28.6 43.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.31 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.18 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

Tgt Ion:165 Resp: 6651

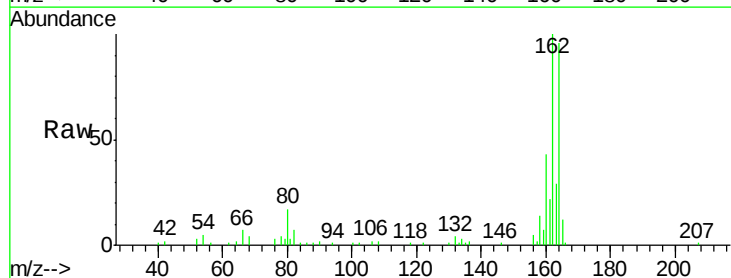
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

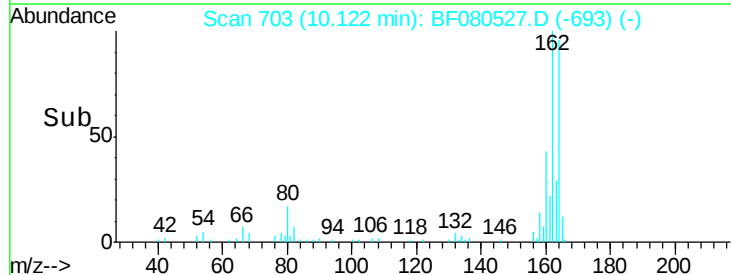
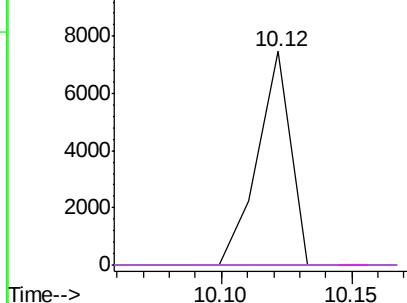


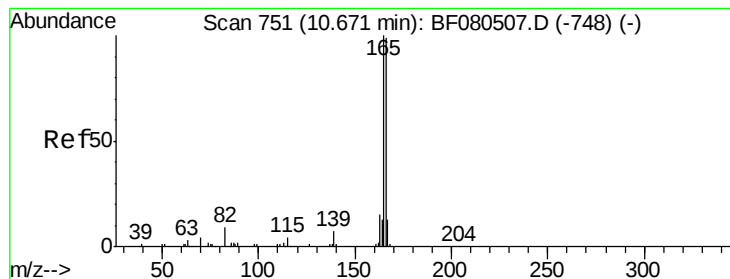
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 0.59 ng

RT: 10.91 min Scan# 772

Delta R.T. 0.24 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

Instrument :

BNA_F

ClientSampleId :

TEC-E2

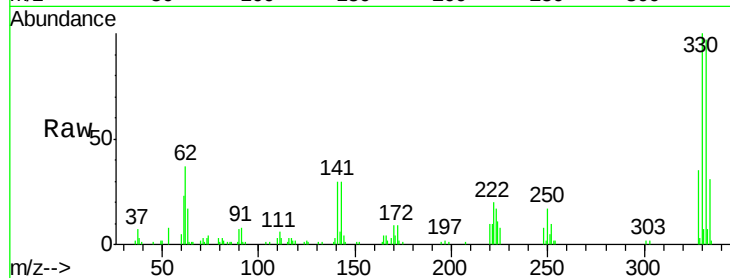
Tot Ion:166 Resp: 2180

Ion Ratio Lower Upper

166 100

165 102.8 72.6 109.0

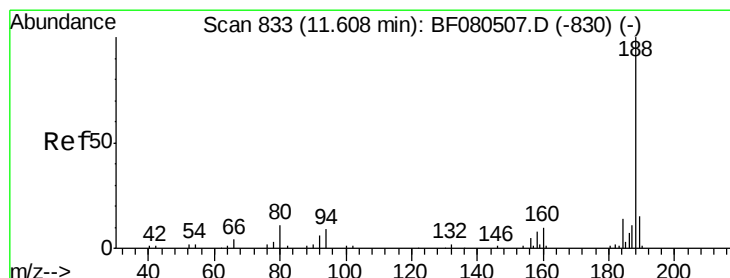
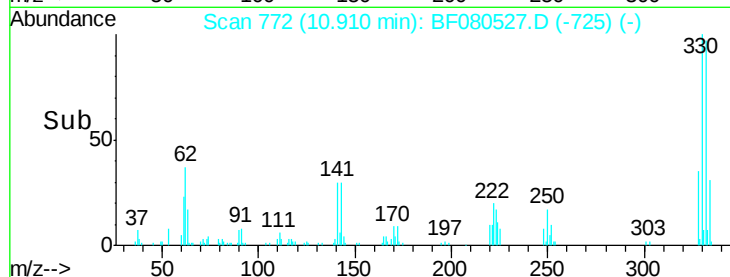
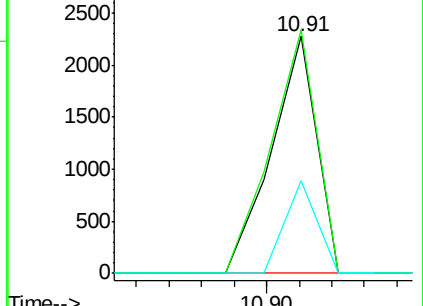
167 39.1 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.61 min Scan# 833

Delta R.T. -0.00 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

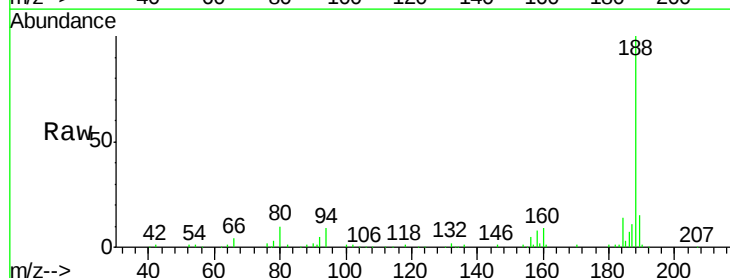
Tgt Ion:188 Resp: 105434

Ion Ratio Lower Upper

188 100

94 9.5 11.1 16.7#

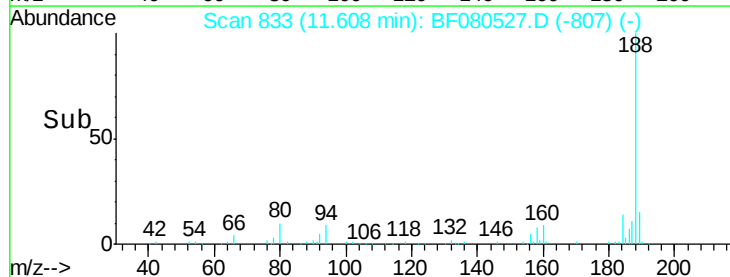
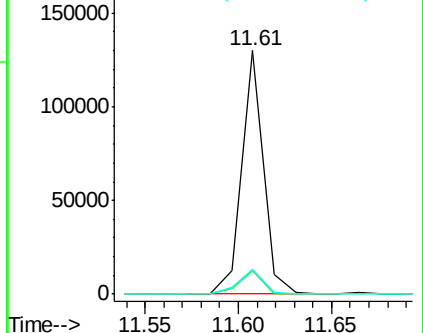
80 10.2 11.0 16.4#

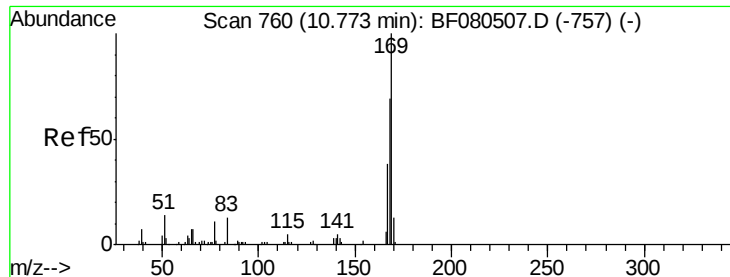


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 0.47 ng

RT: 10.91 min Scan# 772

Delta R.T. 0.14 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

Instrument :

BNA_F

ClientSampleId :

TEC-E2

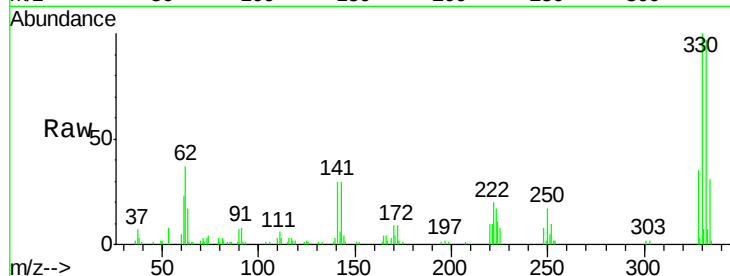
Tot Ion:169 Resp: 1696

Ion Ratio Lower Upper

169 100

168 0.0 48.9 73.3#

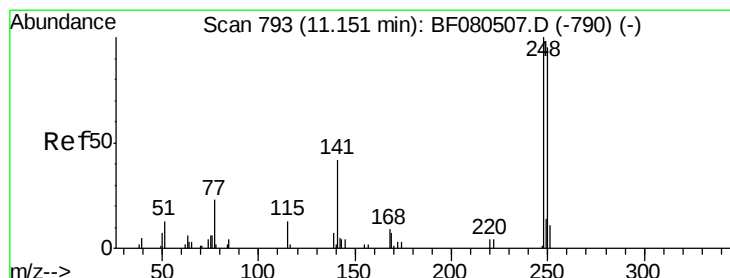
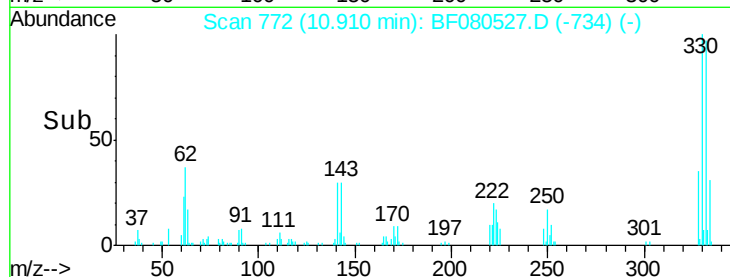
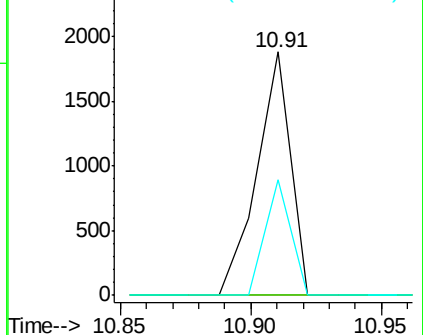
167 47.3 26.2 39.4#



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



#66

4-Bromophenyl-phenylether

Concen: 3.34 ng

RT: 10.91 min Scan# 772

Delta R.T. -0.24 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

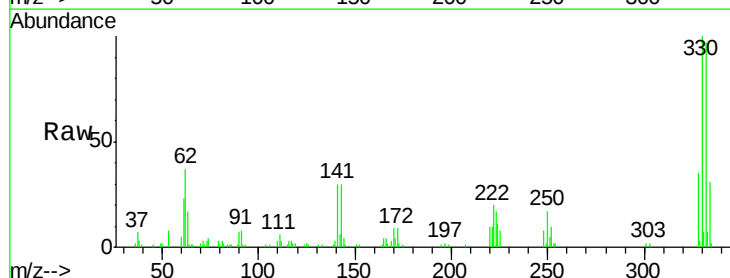
Tgt Ion:248 Resp: 3435

Ion Ratio Lower Upper

248 100

250 201.8 78.5 117.7#

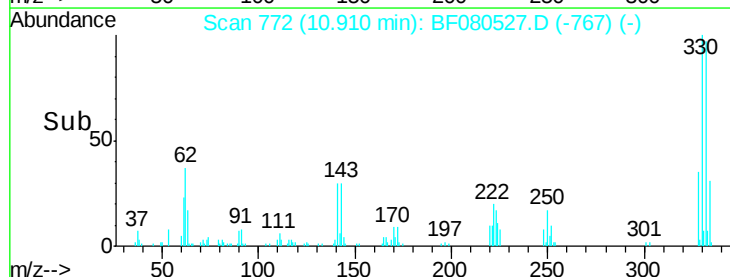
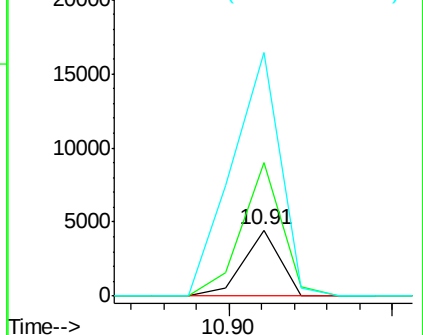
141 367.0 59.0 88.6#

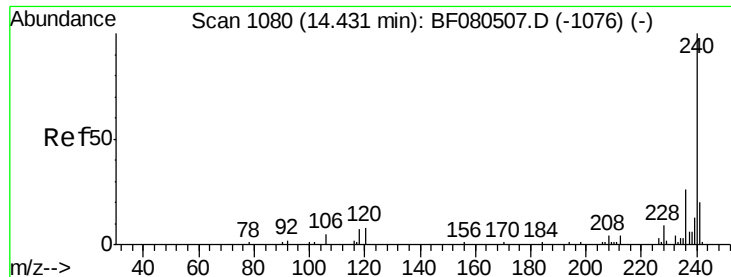


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.35 min Scan# 1073

Delta R.T. -0.08 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

Instrument :

BNA_F

ClientSampleId :

TEC-E2

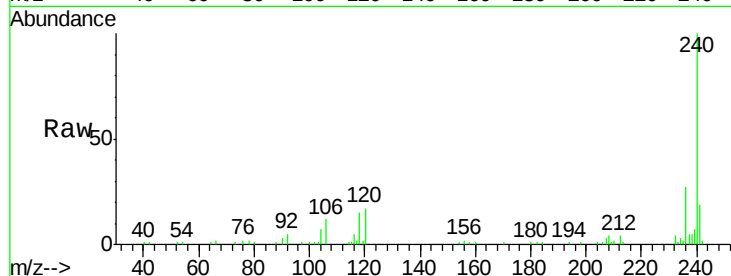
Tot Ion:240 Resp: 78742

Ion Ratio Lower Upper

240 100

120 16.8 16.2 24.2

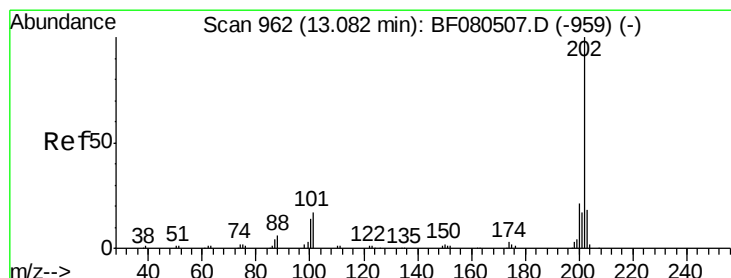
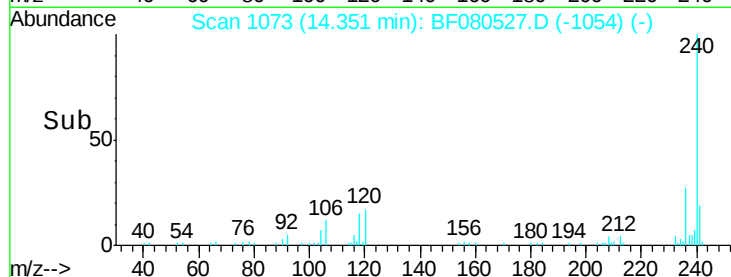
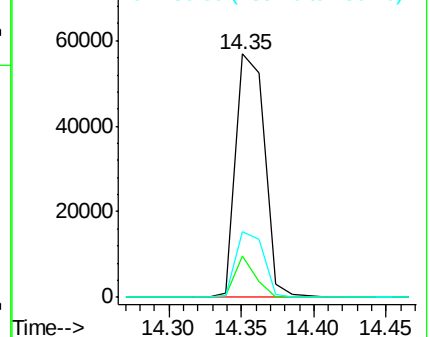
236 26.8 18.4 27.6



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



#77

Pyrene

Concen: 0.16 ng

RT: 13.21 min Scan# 973

Delta R.T. 0.13 min

Lab File: BF080527.D

Acq: 16 Jul 2015 23:39

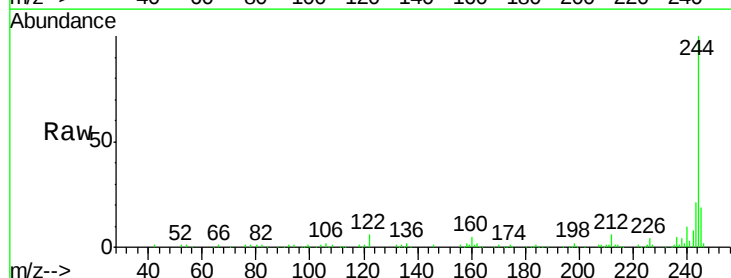
Tgt Ion:202 Resp: 830

Ion Ratio Lower Upper

202 100

200 0.0 15.0 22.4#

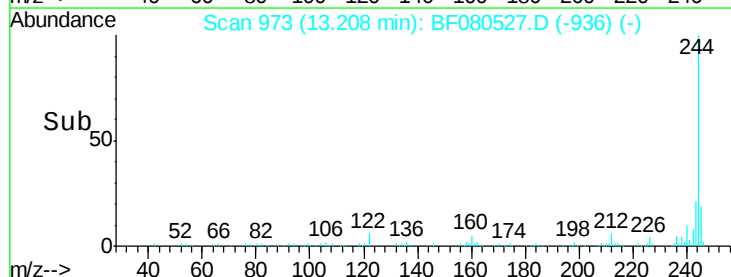
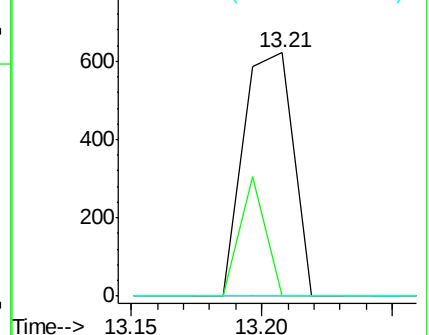
203 0.0 14.1 21.1#

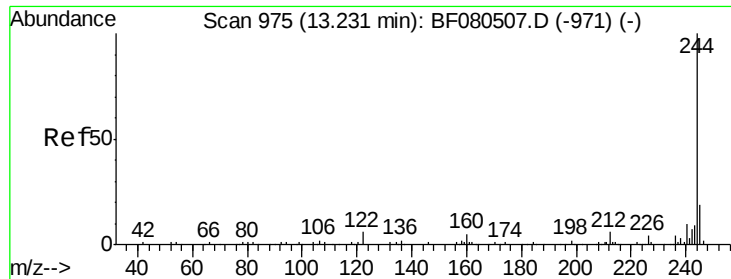


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

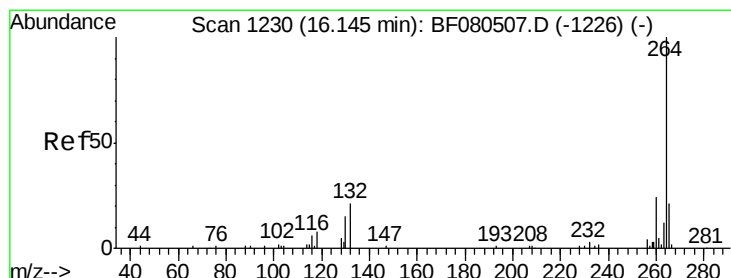
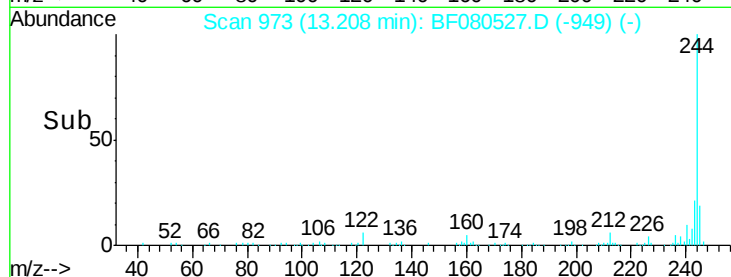
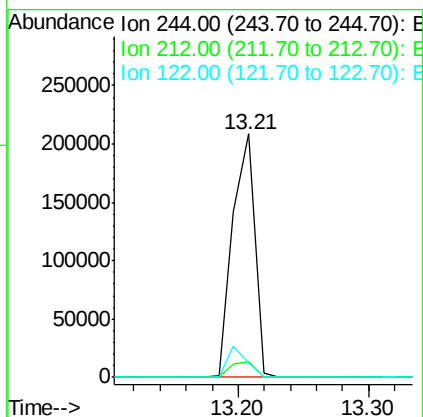
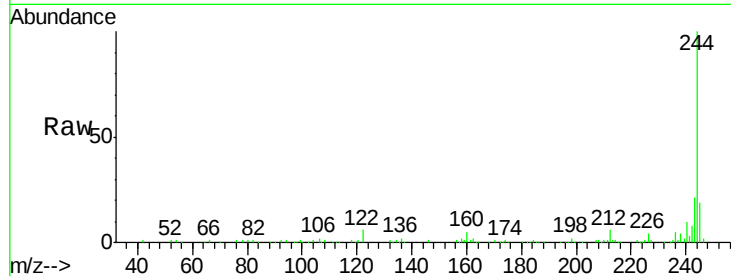




#78
 Terphenyl-d14
 Concen: 64.63 ng
 RT: 13.21 min Scan# 973
 Delta R.T. -0.02 min
 Lab File: BF080527.D
 Acq: 16 Jul 2015 23:39

Instrument :
 BNA_F
 ClientSampled :
 TEC-E2

Tot Ion:244 Resp: 245455
 Ion Ratio Lower Upper
 244 100
 212 6.2 4.3 6.5
 122 6.1 17.4 26.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.01 min Scan# 1218
 Delta R.T. -0.14 min
 Lab File: BF080527.D
 Acq: 16 Jul 2015 23:39

Tgt Ion:264 Resp: 75723
 Ion Ratio Lower Upper
 264 100
 260 24.1 16.7 25.1
 265 22.7 17.2 25.8

