

Data Path : Z:\HPCHEM1\BNA F\Data\BF071615\
 Data File : BF080521.D
 Acq On : 16 Jul 2015 20:45
 Operator : TP/UM
 Sample : G2925-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E4

Quant Time: Jul 17 06:52:07 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	21644	20.00	ng	0.00
21) Naphthalene-d8	8.36	136	85233	20.00	ng	0.00
38) Acenaphthene-d10	10.12	164	37769	20.00	ng	0.00
63) Phenanthrene-d10	11.61	188	70701	20.00	ng	0.00
75) Chrysene-d12	14.36	240	50799	20.00	ng	-0.07
86) Perylene-d12	16.04	264	45213	20.00	ng	-0.10

System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	34336	27.04	ng	0.01
7) Phenol-d6	6.72	99	24580	14.26	ng	0.00
23) Nitrobenzene-d5	7.64	82	116918	80.52	ng	0.00
41) 2,4,6-Tribromophenol	10.91	330	22408	76.25	ng	0.00
44) 2-Fluorobiphenyl	9.44	172	251473	90.61	ng	0.00
78) Terphenyl-d14	13.21	244	229502	93.67	ng	-0.02

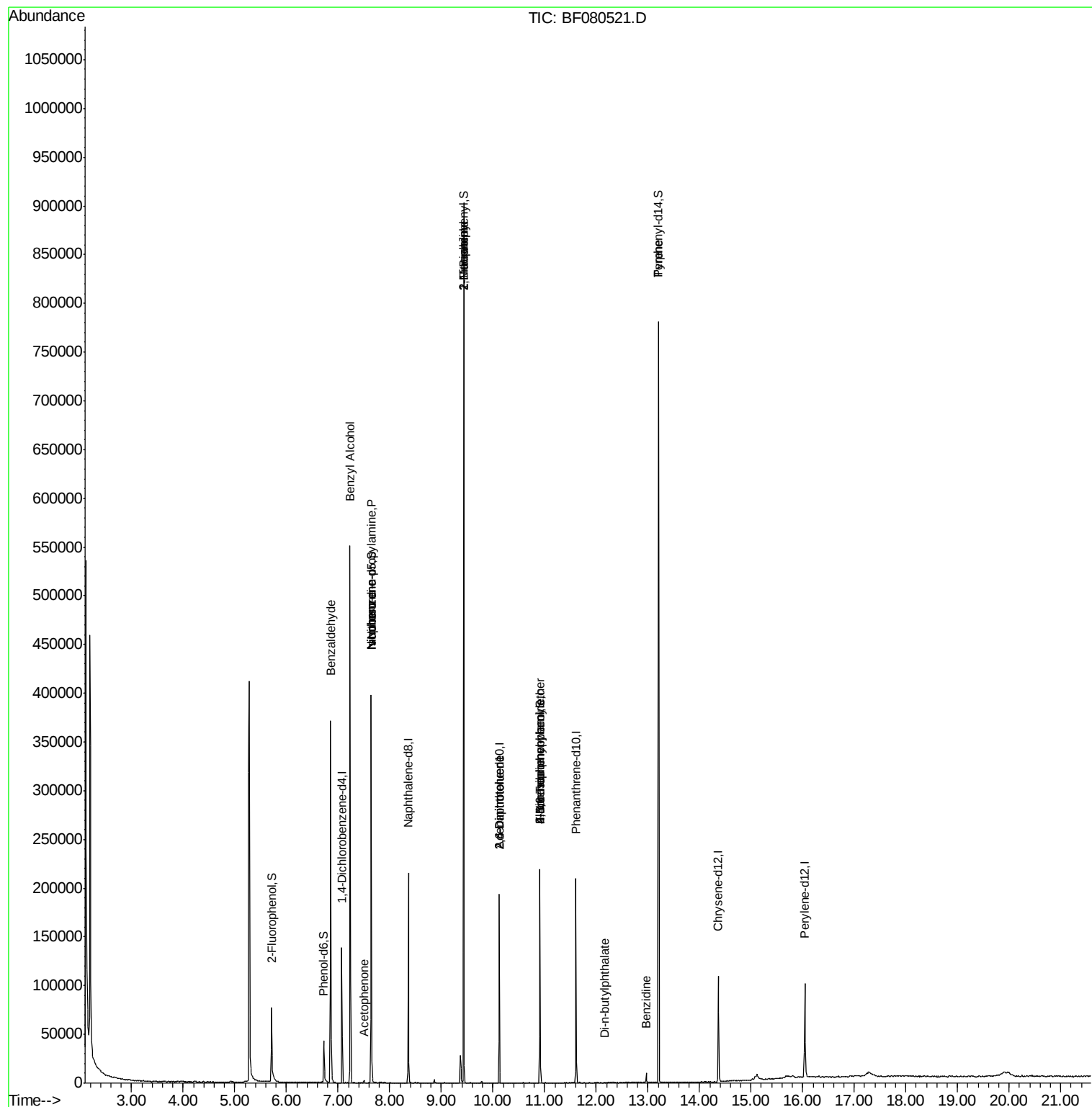
Target Compounds						Qvalue
9) Benzaldehyde	6.85	77	2235	1.91	ng	# 61
15) Benzyl Alcohol	7.23	79	2509	2.08	ng	# 34
19) n-Nitroso-di-n-propylamine	7.64	70	14631	13.98	ng	# 63
22) Acetophenone	7.50	105	1366	0.72	ng	# 58
24) Nitrobenzene	7.64	77	300	0.20	ng	# 20
25) Isophorone	7.64	82	116915	45.59	ng	# 58
45) 1,1'-Biphenyl	9.44	154	467	0.15	ng	# 1
47) 2-Nitroaniline	9.44	65	282	0.47	ng	# 1
50) 2,6-Dinitrotoluene	10.12	165	4586	9.05	ng	# 37
56) 2,4-Dinitrotoluene	10.12	165	4586	6.24	ng	# 31
57) Fluorene	10.91	166	1212	0.47	ng	# 91
65) n-Nitrosodiphenylamine	10.91	169	694	0.29	ng	# 44
66) 4-Bromophenyl-phenylether	10.91	248	1504	2.18	ng	# 1
73) Di-n-butylphthalate	12.16	149	211	0.05	ng	# 78
76) Benzidine	12.97	184	7510	4.49	ng	95
77) Pyrene	13.21	202	699	0.21	ng	# 66

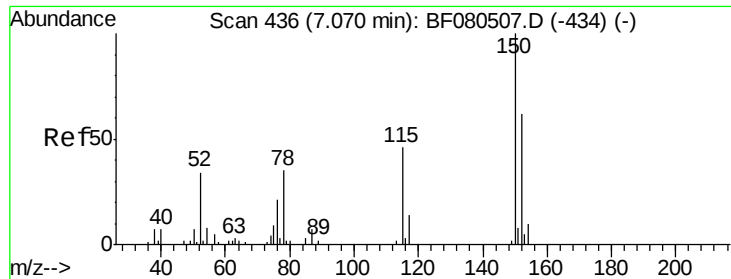
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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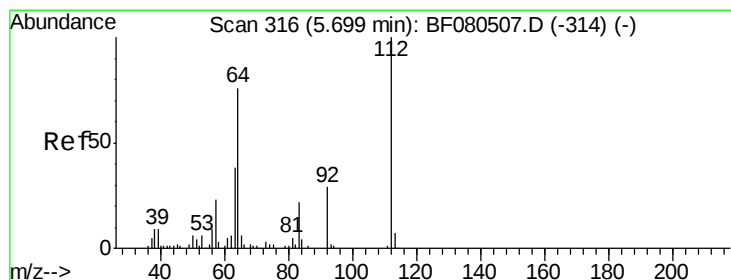
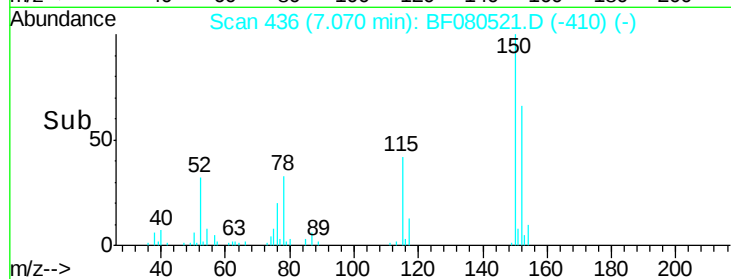
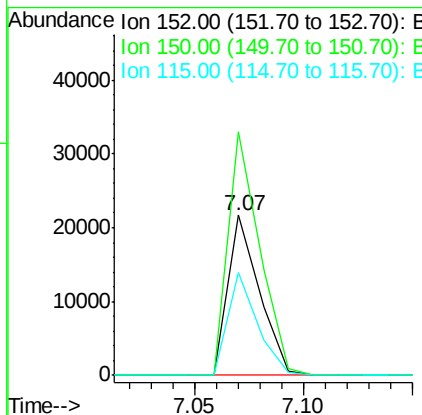
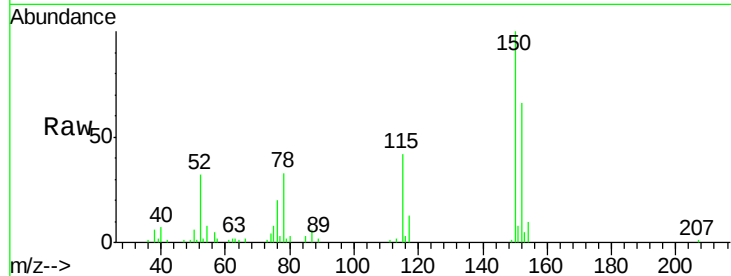


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.07 min Scan# 436
Delta R.T. 0.00 min
Lab File: BF080521.D
Acq: 16 Jul 2015 20:45

Instrument :
BNA_F
ClientSampleId :
TEC-E4

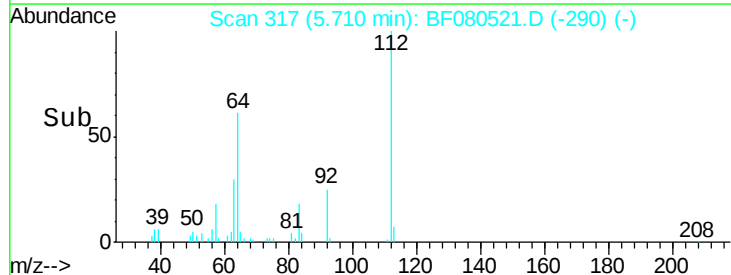
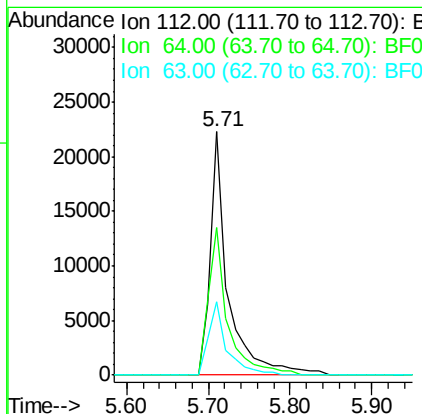
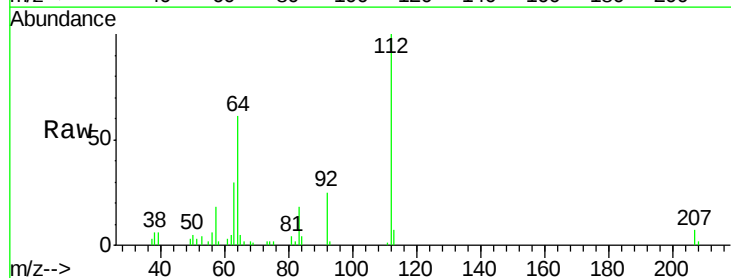
Tot Ion:152 Resp: 21644
Ion Ratio Lower Upper
152 100
150 152.0 124.7 187.1
115 64.1 39.0 58.4#

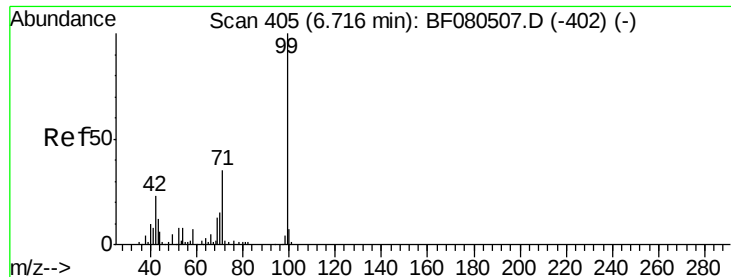


#5

2-Fluorophenol
Concen: 27.04 ng
RT: 5.71 min Scan# 317
Delta R.T. 0.01 min
Lab File: BF080521.D
Acq: 16 Jul 2015 20:45

Tgt Ion:112 Resp: 34336
Ion Ratio Lower Upper
112 100
64 60.8 39.7 59.5#
63 30.0 17.4 26.0#





#7

Phenol-d6

Concen: 14.26 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF080521.D

Acq: 16 Jul 2015 20:45

Instrument :

BNA_F

ClientSampleId :

TEC-E4

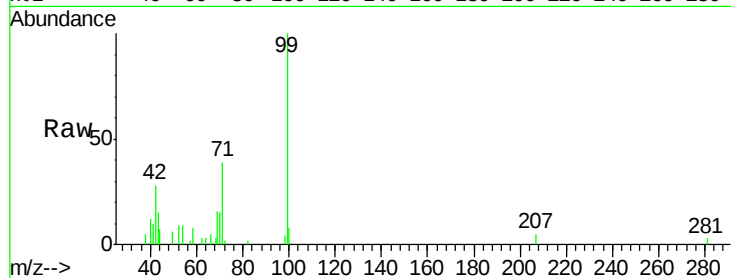
Tot Ion: 99 Resp: 24580

Ion Ratio Lower Upper

99 100

42 27.9 13.7 20.5#

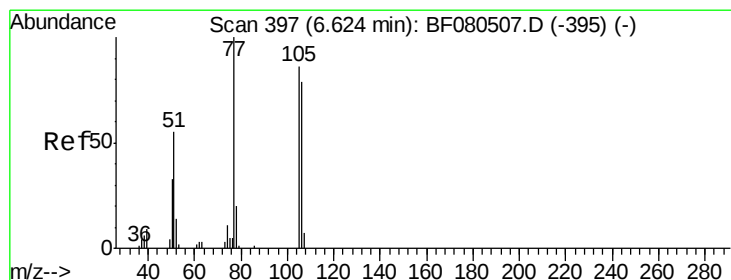
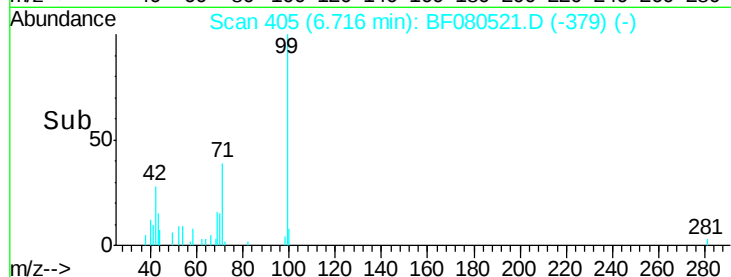
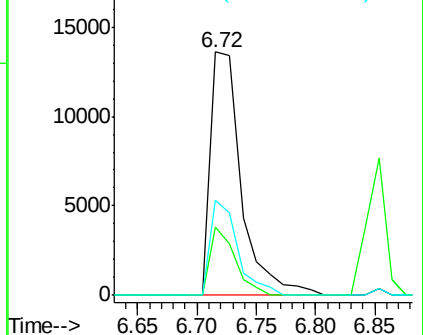
71 38.9 14.2 21.2#



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: 1.91 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.23 min

Lab File: BF080521.D

Acq: 16 Jul 2015 20:45

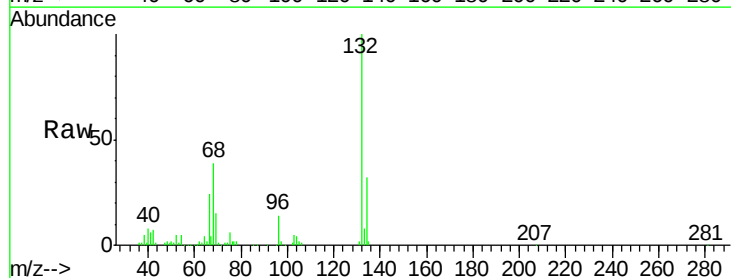
Tgt Ion: 77 Resp: 2235

Ion Ratio Lower Upper

77 100

105 76.5 91.6 131.6#

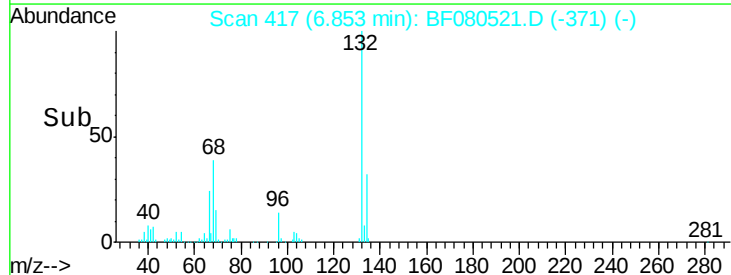
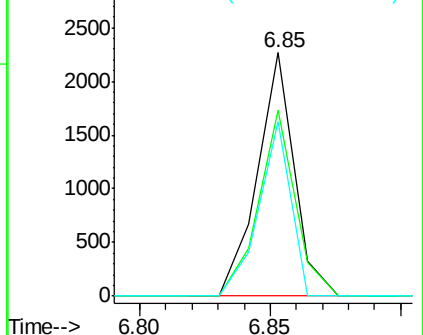
106 71.8 102.6 142.6#

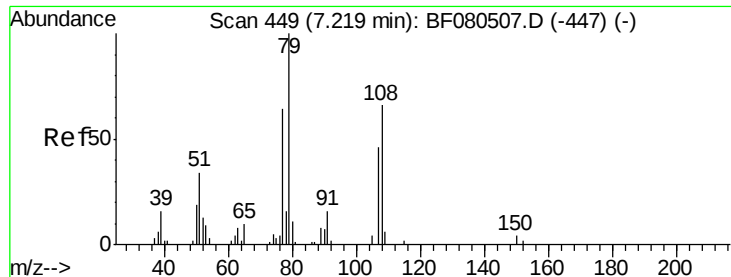


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.08 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.01 min

Lab File: BF080521.D

Acq: 16 Jul 2015 20:45

Instrument :

BNA_F

ClientSampleId :

TEC-E4

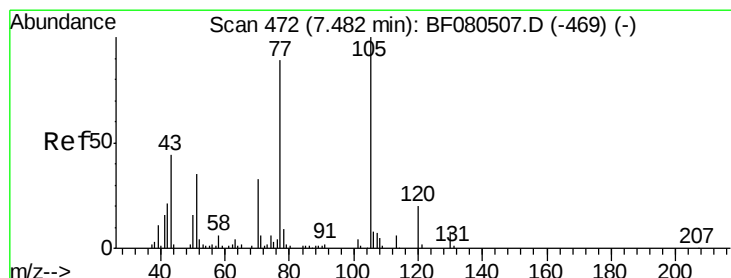
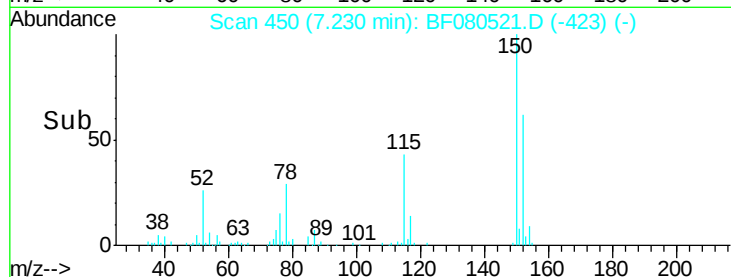
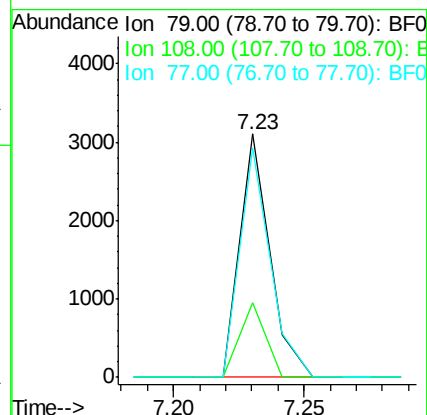
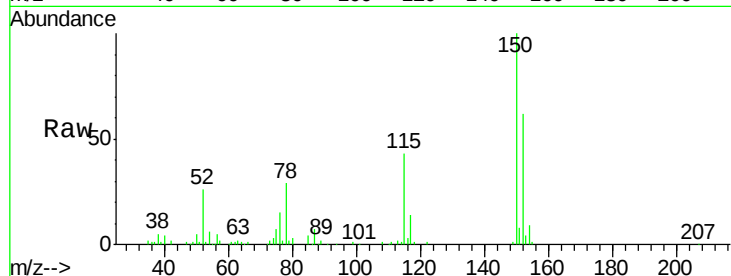
Tot Ion: 79 Resp: 2509

Ion Ratio Lower Upper

79 100

108 30.8 88.6 132.8#

77 94.1 47.0 70.4#



#19

n-Nitroso-di-n-propylamine

Concen: 13.98 ng

RT: 7.64 min Scan# 486

Delta R.T. 0.16 min

Lab File: BF080521.D

Acq: 16 Jul 2015 20:45

Tgt Ion: 70 Resp: 14631

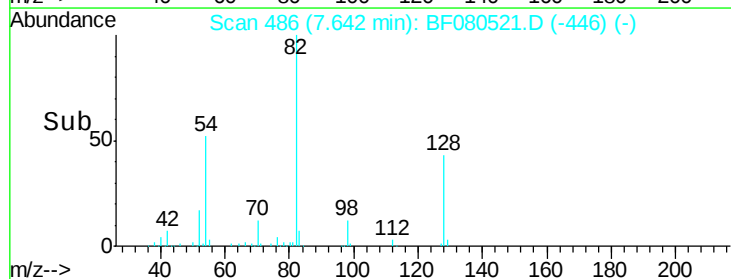
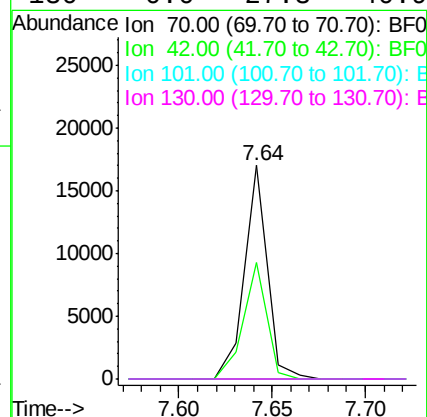
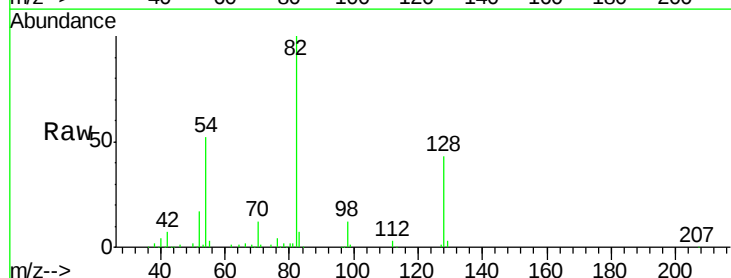
Ion Ratio Lower Upper

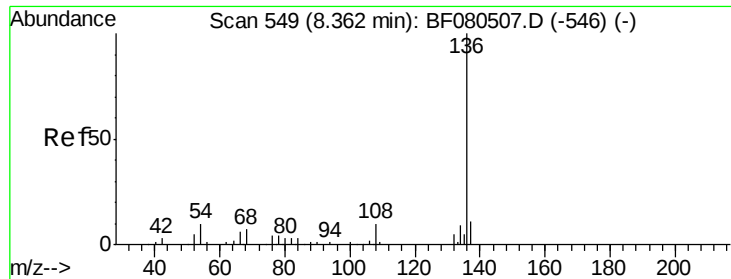
70 100

42 54.4 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: BF080521.D

Acq: 16 Jul 2015 20:45

Instrument :

BNA_F

ClientSampleId :

TEC-E4

Tot Ion:136 Resp: 85233

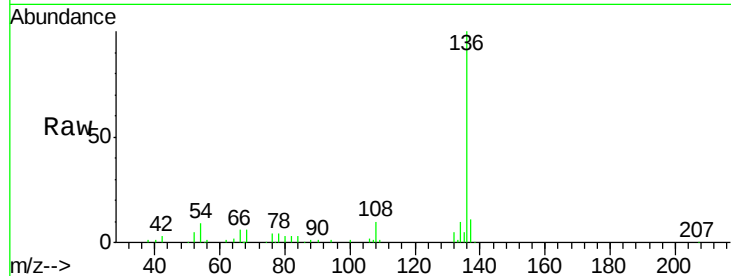
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 9.4 8.2 12.2

68 6.3 5.8 8.6

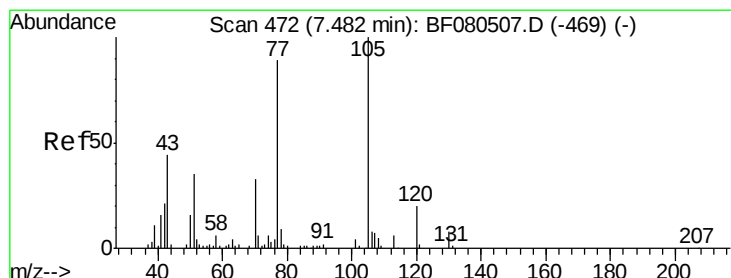
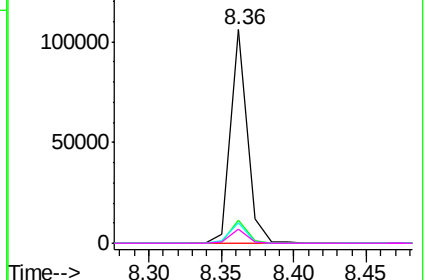
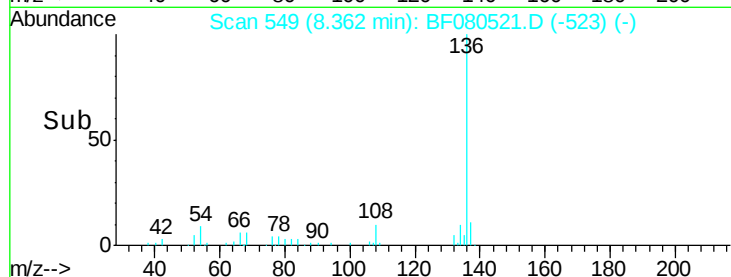


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 0.72 ng

RT: 7.50 min Scan# 474

Delta R.T. 0.02 min

Lab File: BF080521.D

Acq: 16 Jul 2015 20:45

Tgt Ion:105 Resp: 1366

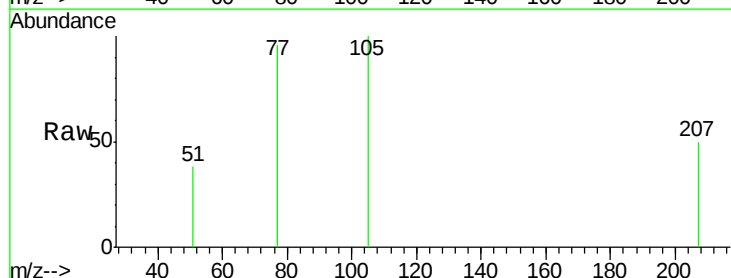
Ion Ratio Lower Upper

105 100

71 0.0 4.7 7.1#

51 38.1 22.0 33.0#

120 0.0 30.1 45.1#

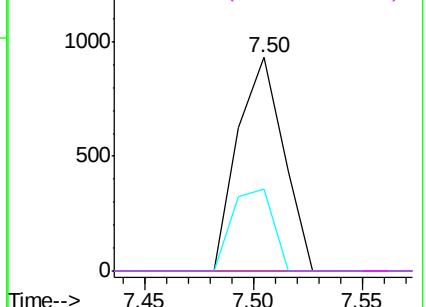
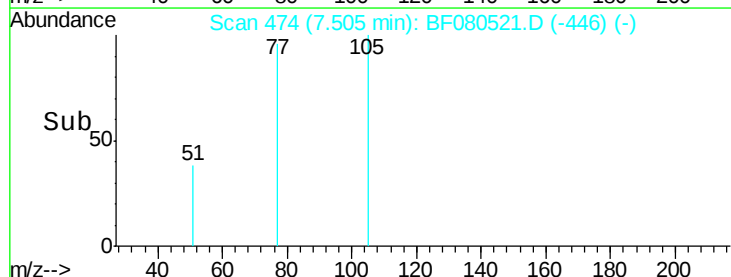


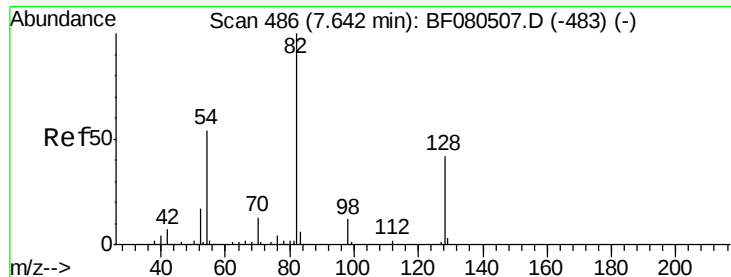
Abundance Ion 105.00 (104.70 to 105.70): E

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

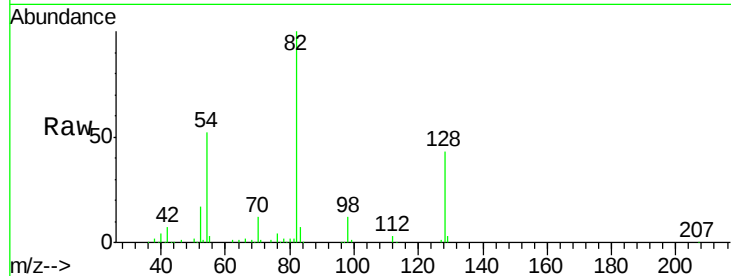




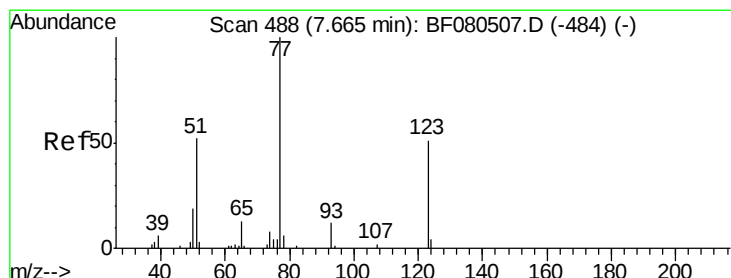
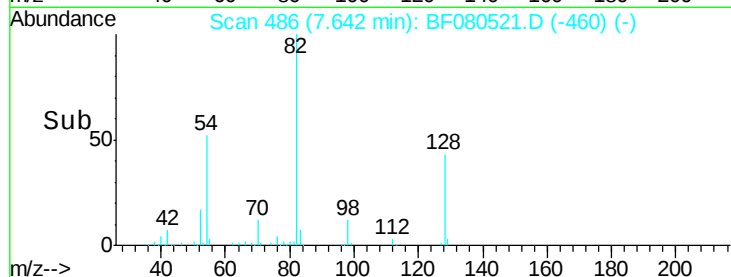
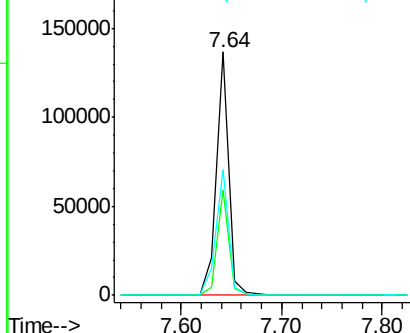
#23
Nitrobenzene-d5
Concen: 80.52 ng
RT: 7.64 min Scan# 486
Delta R.T. 0.00 min
Lab File: BF080521.D
Acq: 16 Jul 2015 20:45

Instrument :
BNA_F
ClientSampleId :
TEC-E4

Tot Ion: 82 Resp: 116918
Ion Ratio Lower Upper
82 100
128 43.3 51.0 76.6#
54 51.8 47.5 71.3

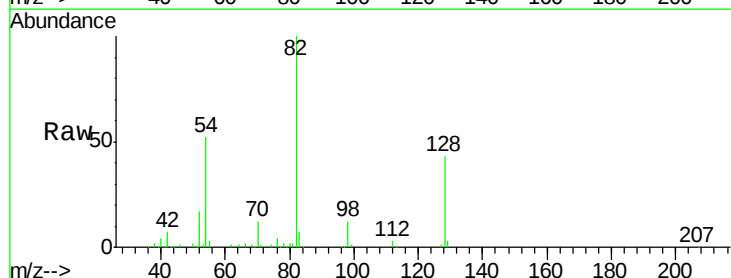


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

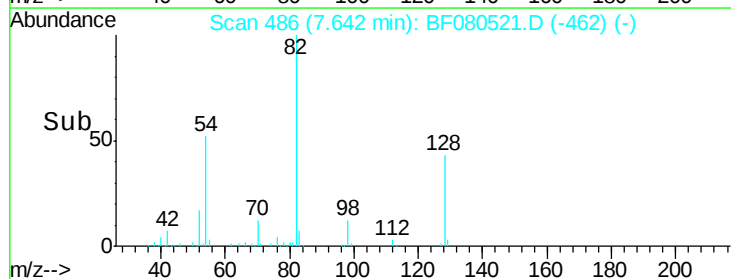
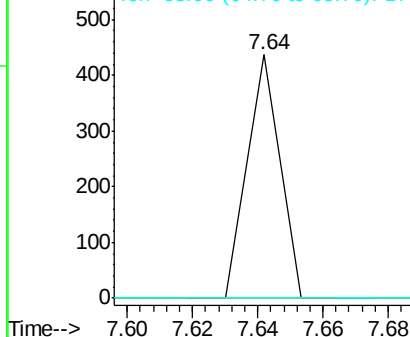


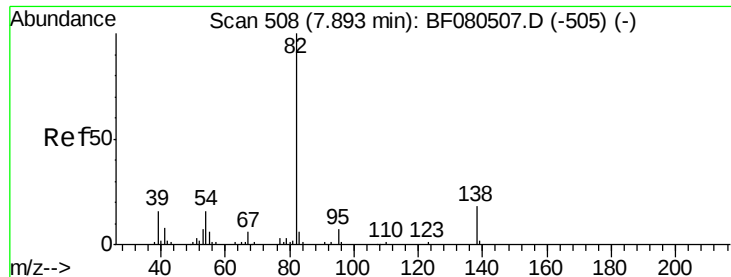
#24
Nitrobenzene
Concen: 0.20 ng
RT: 7.64 min Scan# 486
Delta R.T. -0.02 min
Lab File: BF080521.D
Acq: 16 Jul 2015 20:45

Tgt Ion: 77 Resp: 300
Ion Ratio Lower Upper
77 100
123 0.0 59.8 89.8#
65 0.0 10.2 15.4#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 45.59 ng

RT: 7.64 min Scan# 486

Delta R.T. -0.25 min

Lab File: BF080521.D

Acq: 16 Jul 2015 20:45

Instrument :

BNA_F

ClientSampleId :

TEC-E4

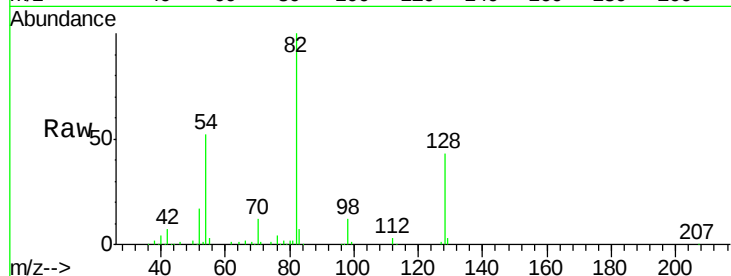
Tot Ion: 82 Resp: 116915

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

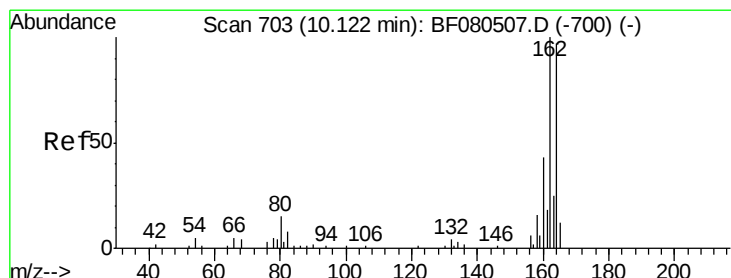
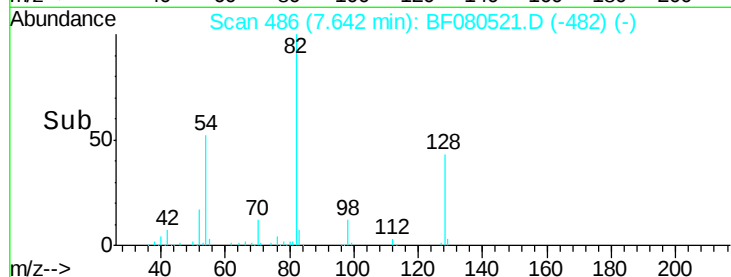
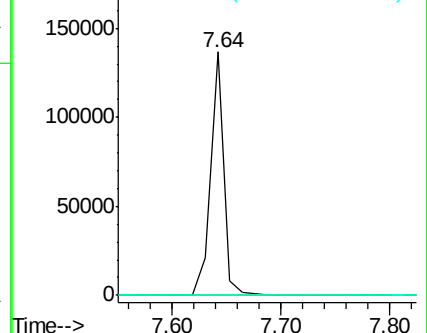
138 0.0 18.3 27.5#



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: BF080521.D

Acq: 16 Jul 2015 20:45

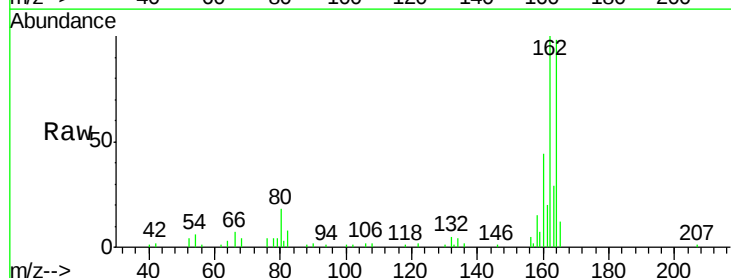
Tgt Ion:164 Resp: 37769

Ion Ratio Lower Upper

164 100

162 101.8 75.2 112.8

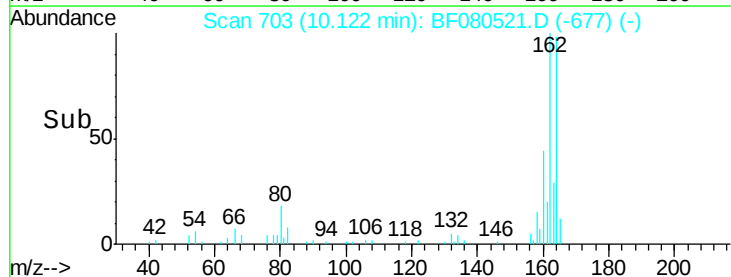
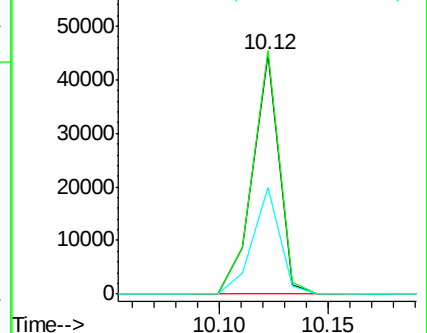
160 44.7 31.5 47.3

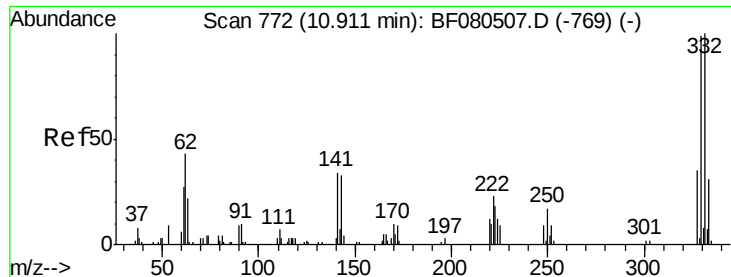


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

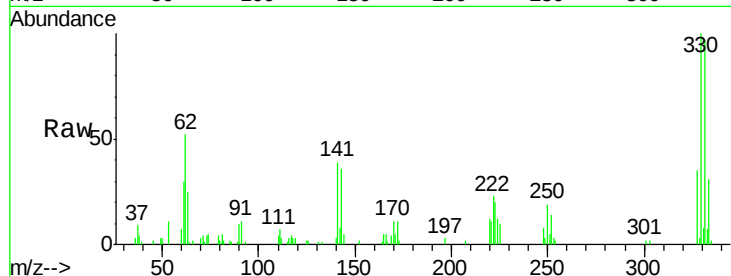




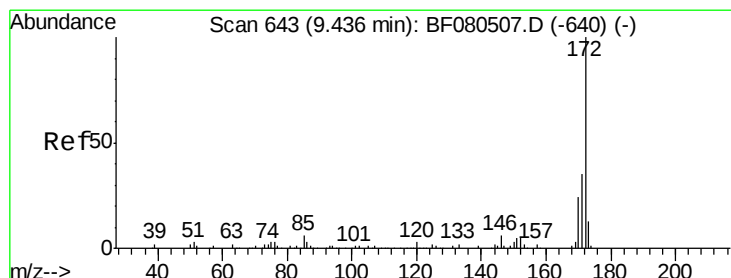
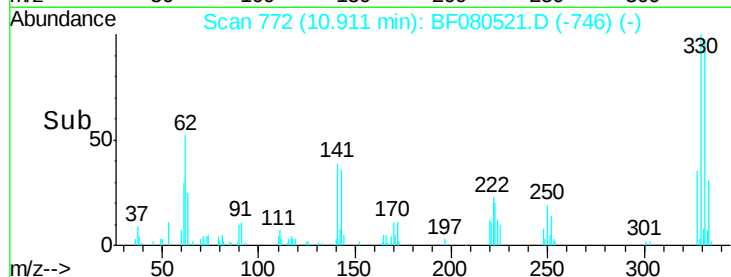
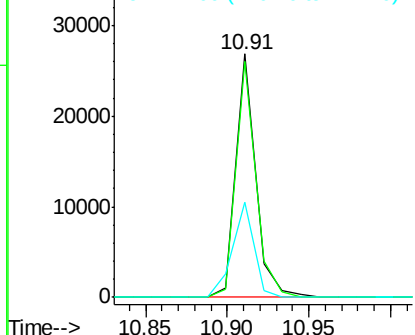
#41
 2,4,6-Tribromophenol
 Concen: 76.25 ng
 RT: 10.91 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: BF080521.D
 Acq: 16 Jul 2015 20:45

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E4

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	114.8
141	42.5	29.7	44.5

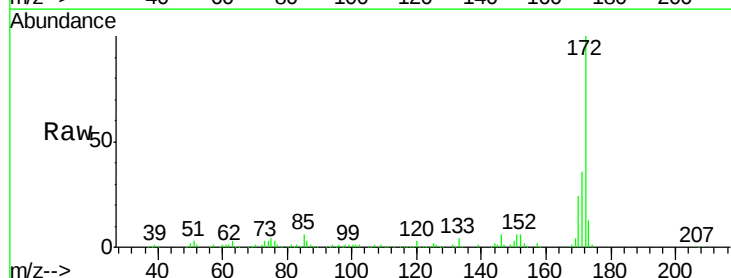


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

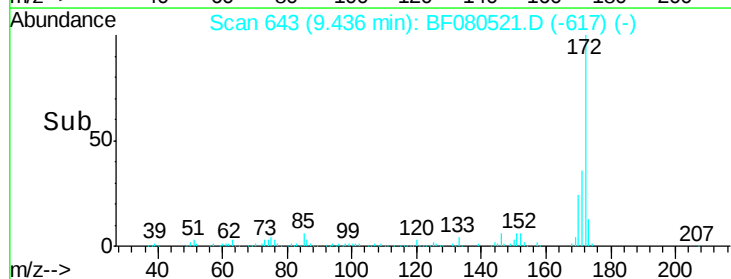
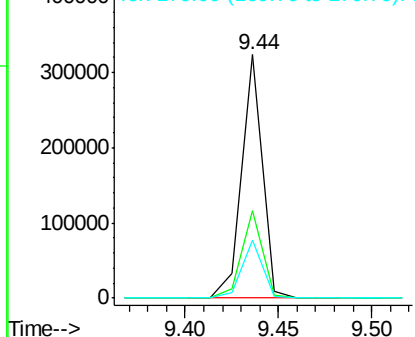


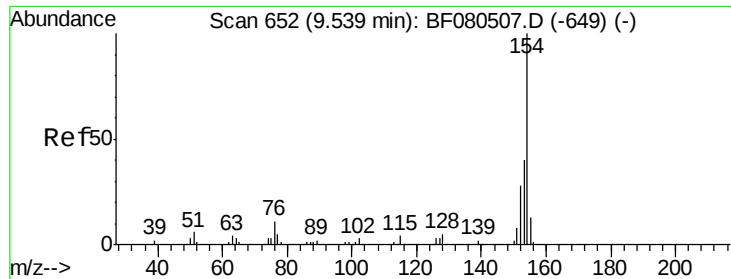
#44
 2-Fluorobiphenyl
 Concen: 90.61 ng
 RT: 9.44 min Scan# 643
 Delta R.T. 0.00 min
 Lab File: BF080521.D
 Acq: 16 Jul 2015 20:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	26.1	39.1
170	23.9	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: 0.15 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.10 min

Lab File: BF080521.D

Acq: 16 Jul 2015 20:45

Instrument :

BNA_F

ClientSampleId :

TEC-E4

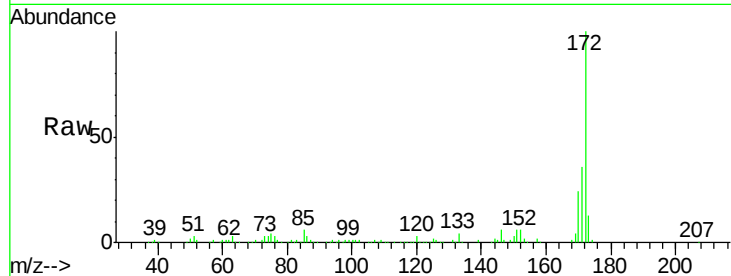
Tot Ion:154 Resp: 467

Ion Ratio Lower Upper

154 100

153 852.9 17.1 57.1#

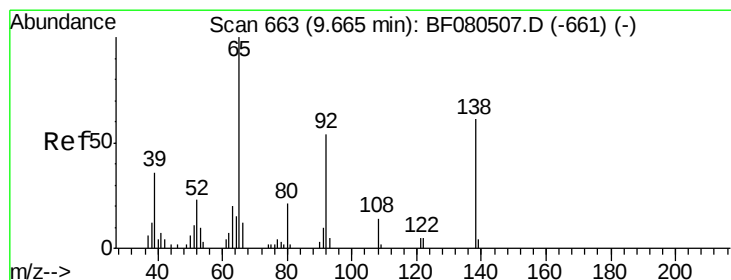
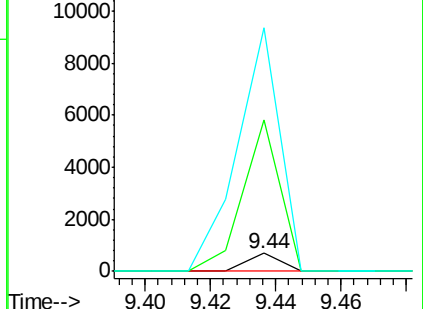
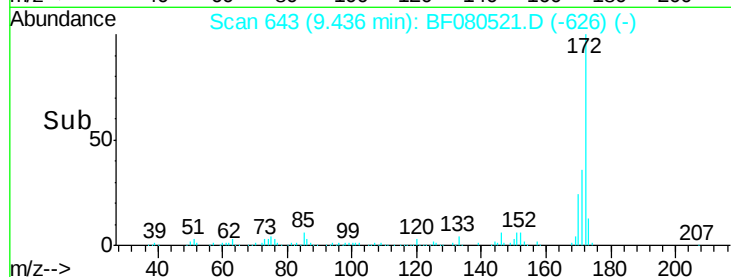
76 1373.9 0.0 31.6#



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): BF0



#47

2-Nitroaniline

Concen: 0.47 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.23 min

Lab File: BF080521.D

Acq: 16 Jul 2015 20:45

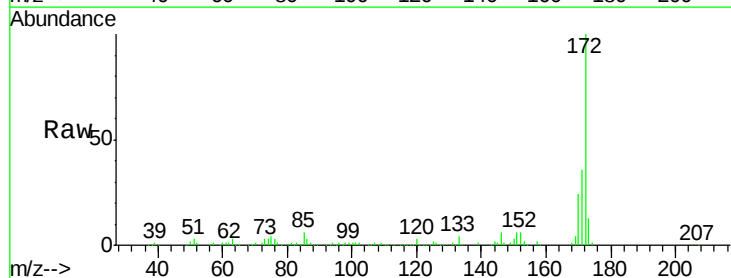
Tgt Ion: 65 Resp: 282

Ion Ratio Lower Upper

65 100

92 225.1 55.4 83.0#

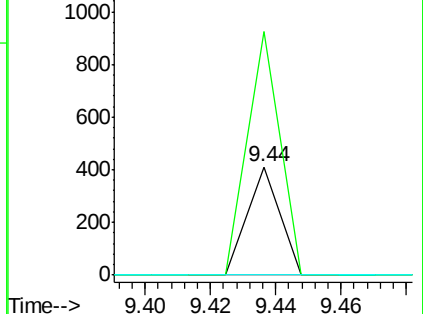
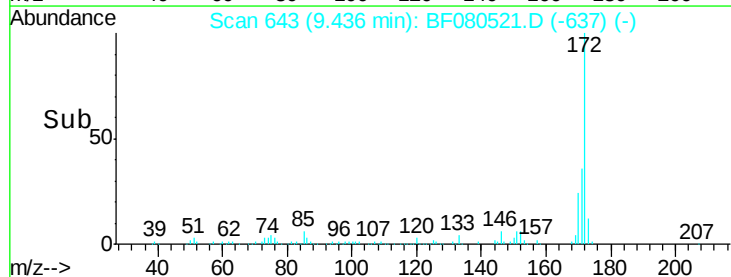
138 0.0 115.5 173.3#

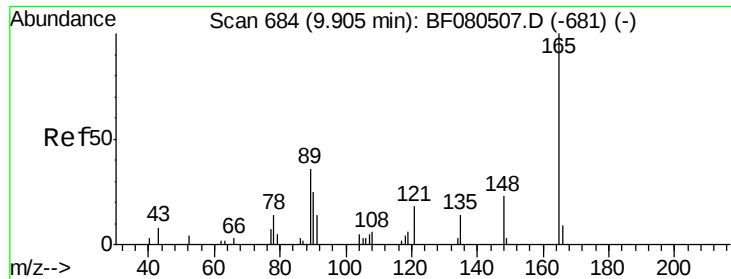


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E

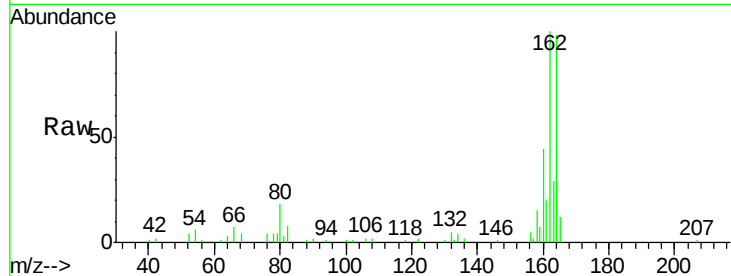




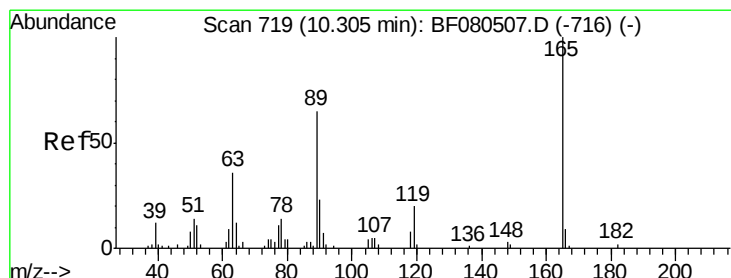
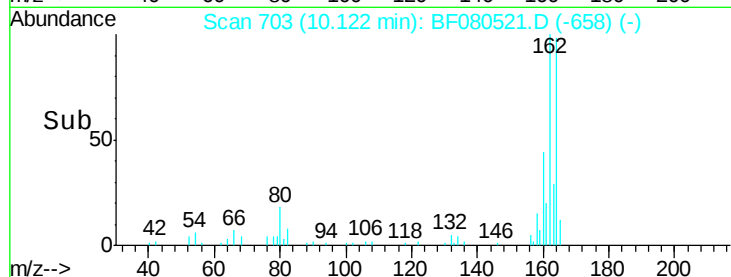
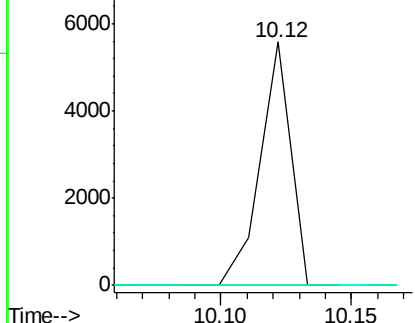
#50
2,6-Dinitrotoluene
Concen: 9.05 ng
RT: 10.12 min Scan# 703
Delta R.T. 0.22 min
Lab File: BF080521.D
Acq: 16 Jul 2015 20:45

Instrument :
BNA_F
ClientSampleId :
TEC-E4

Tot Ion:165 Resp: 4586
Ion Ratio Lower Upper
165 100
63 0.0 32.3 48.5#
89 0.0 28.6 43.0#

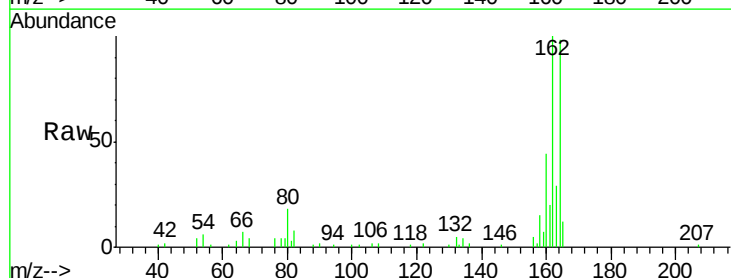


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

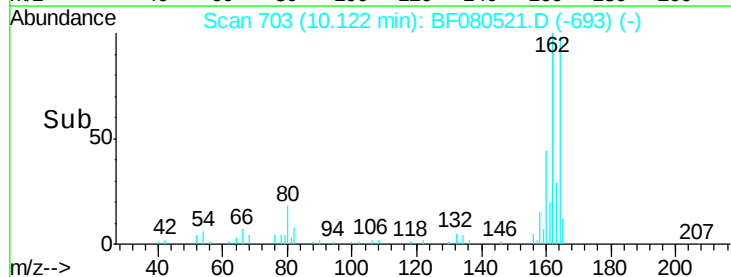
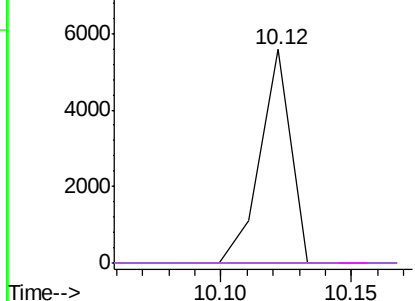


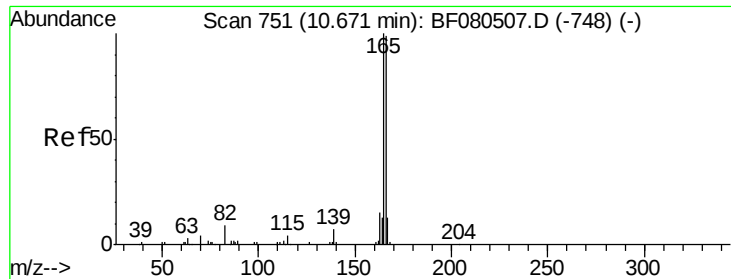
#56
2,4-Dinitrotoluene
Concen: 6.24 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.18 min
Lab File: BF080521.D
Acq: 16 Jul 2015 20:45

Tgt Ion:165 Resp: 4586
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

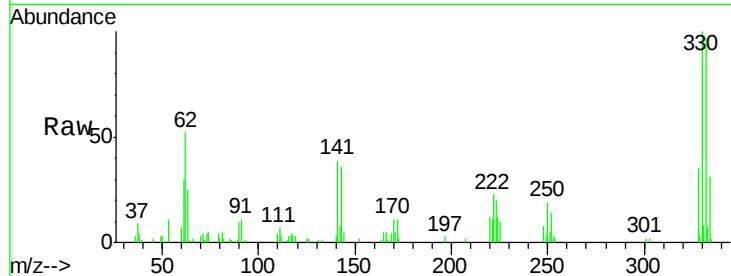




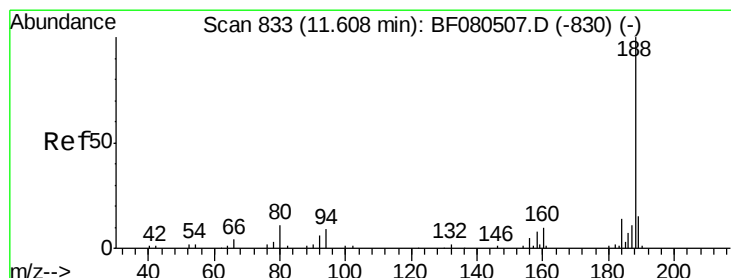
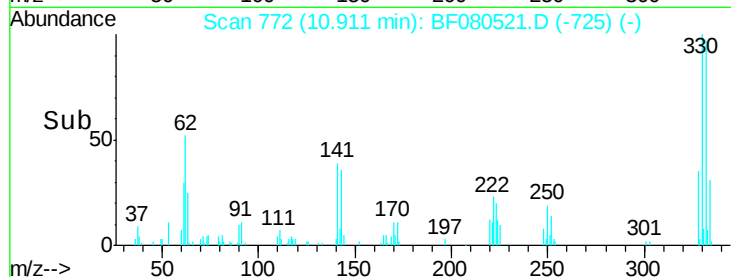
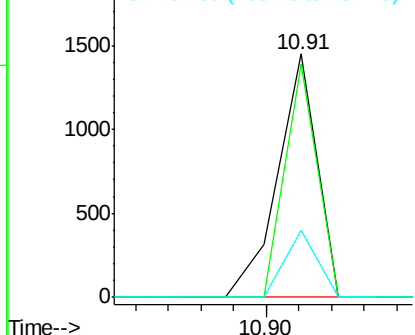
#57
Fluorene
 Concen: 0.47 ng
 RT: 10.91 min Scan# 772
 Delta R.T. 0.24 min
 Lab File: BF080521.D
 Acq: 16 Jul 2015 20:45

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E4

Tot Ion:166 Resp: 1212
 Ion Ratio Lower Upper
 166 100
 165 96.1 72.6 109.0
 167 27.4 10.6 16.0#

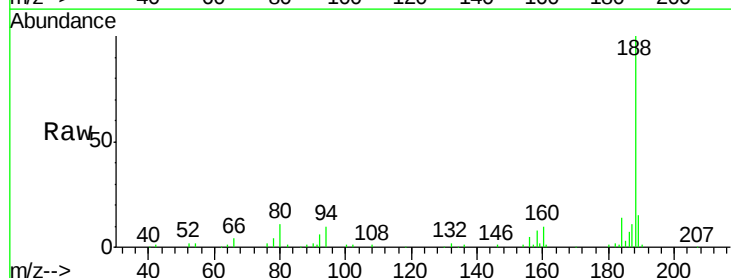


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

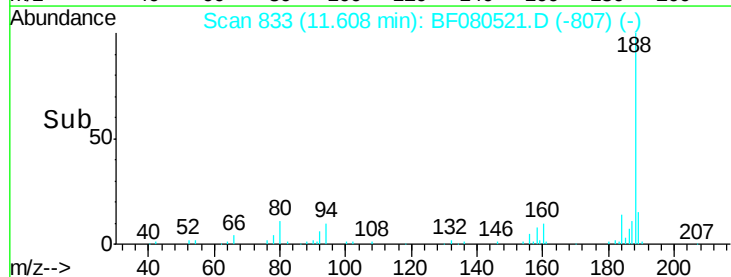
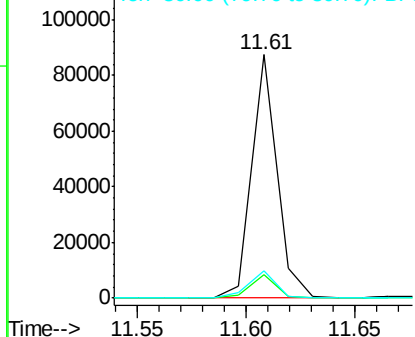


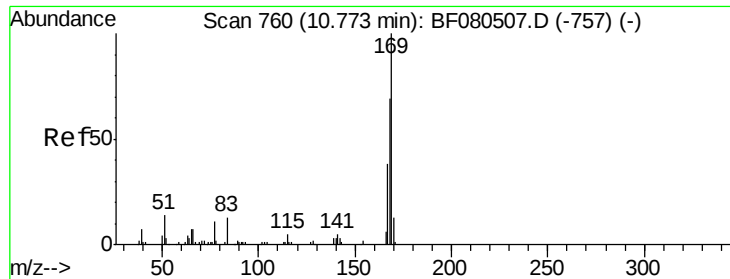
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.61 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: BF080521.D
 Acq: 16 Jul 2015 20:45

Tgt Ion:188 Resp: 70701
 Ion Ratio Lower Upper
 188 100
 94 9.8 11.1 16.7#
 80 11.2 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

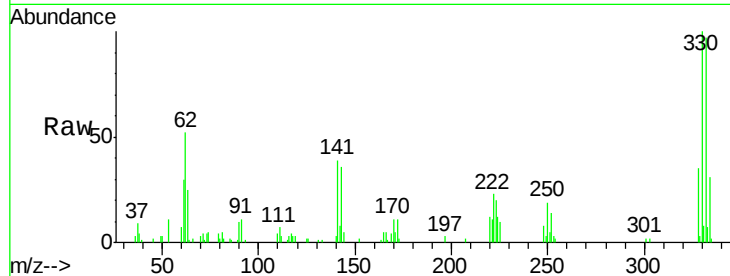




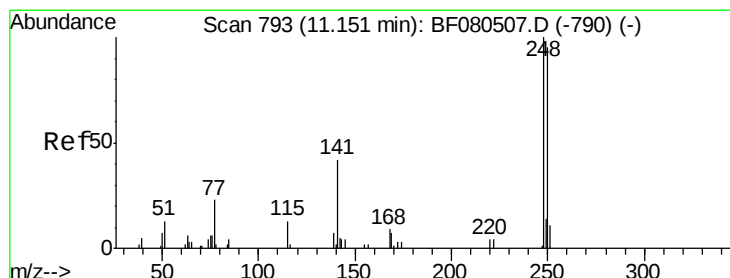
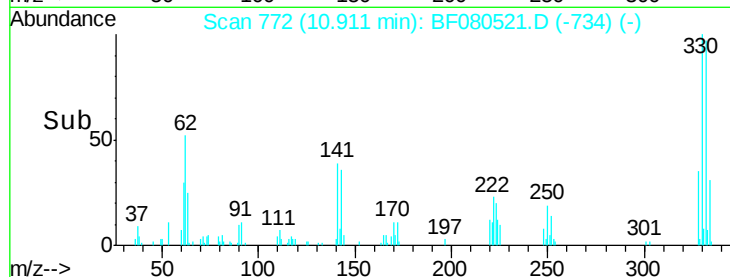
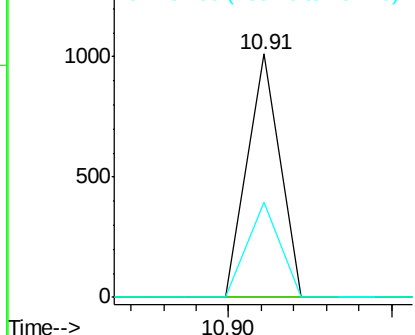
#65
n-Nitrosodiphenylamine
Concen: 0.29 ng
RT: 10.91 min Scan# 772
Delta R.T. 0.14 min
Lab File: BF080521.D
Acq: 16 Jul 2015 20:45

Instrument :
BNA_F
ClientSampleId :
TEC-E4

Tot Ion:169 Resp: 694
Ion Ratio Lower Upper
169 100
168 0.0 48.9 73.3#
167 39.2 26.2 39.4

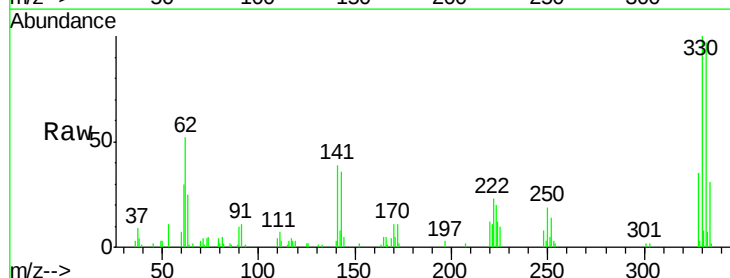


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

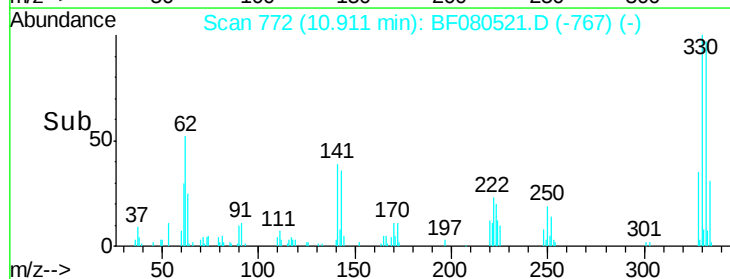
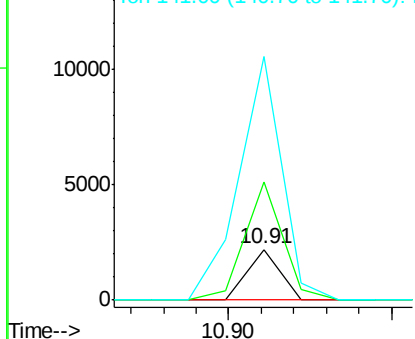


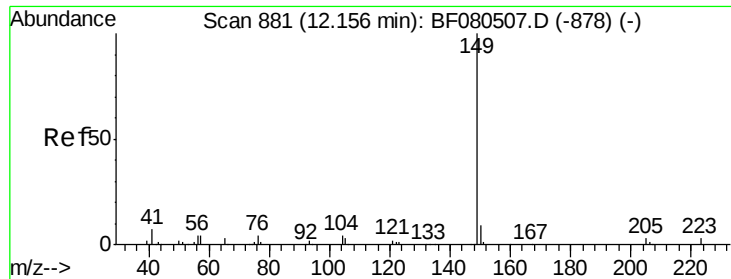
#66
4-Bromophenyl-phenylether
Concen: 2.18 ng
RT: 10.91 min Scan# 772
Delta R.T. -0.24 min
Lab File: BF080521.D
Acq: 16 Jul 2015 20:45

Tgt Ion:248 Resp: 1504
Ion Ratio Lower Upper
248 100
250 232.8 78.5 117.7#
141 480.7 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





#73

Di-n-butylphthalate

Concen: 0.05 ng

RT: 12.16 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF080521.D

Acq: 16 Jul 2015 20:45

Instrument :

BNA_F

ClientSampleId :

TEC-E4

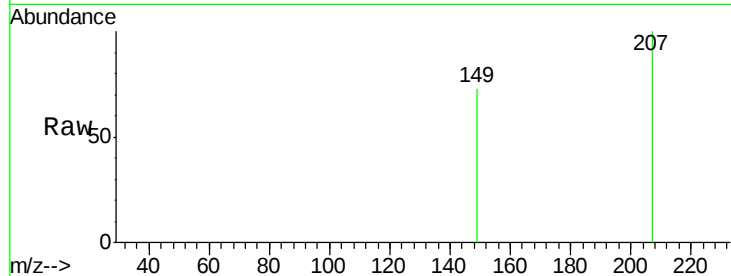
Tot Ion:149 Resp: 211

Ion Ratio Lower Upper

149 100

150 0.0 7.4 11.2#

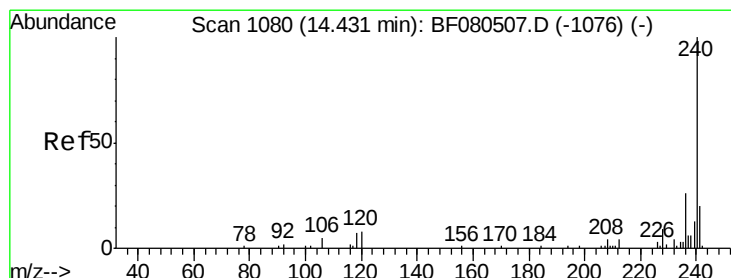
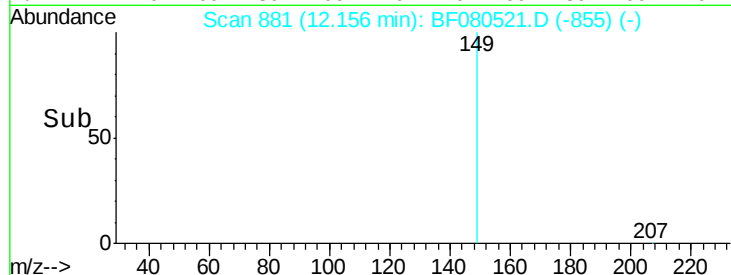
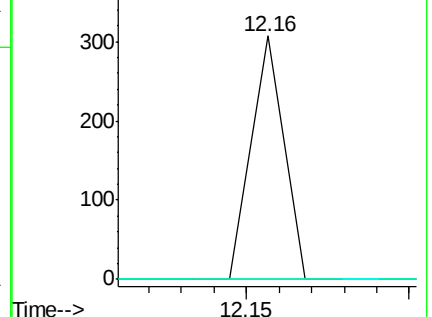
104 0.0 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.36 min Scan# 1074

Delta R.T. -0.07 min

Lab File: BF080521.D

Acq: 16 Jul 2015 20:45

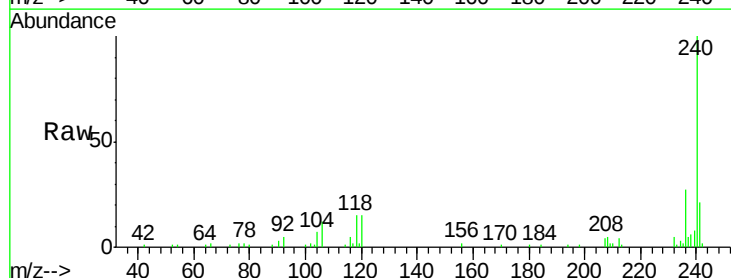
Tgt Ion:240 Resp: 50799

Ion Ratio Lower Upper

240 100

120 15.2 16.2 24.2#

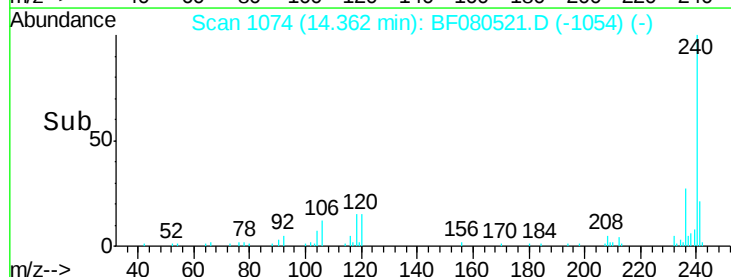
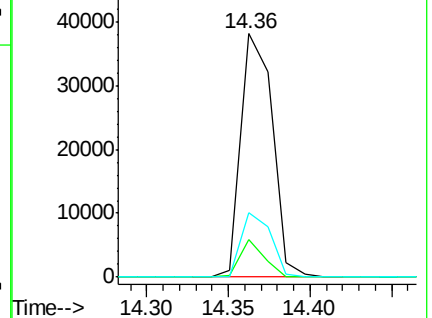
236 26.6 18.4 27.6

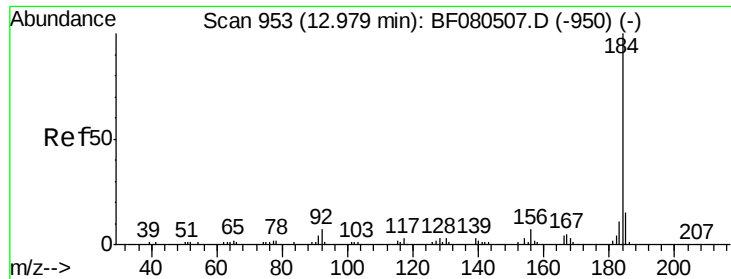


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 4.49 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF080521.D

Acq: 16 Jul 2015 20:45

Instrument :

BNA_F

ClientSampleId :

TEC-E4

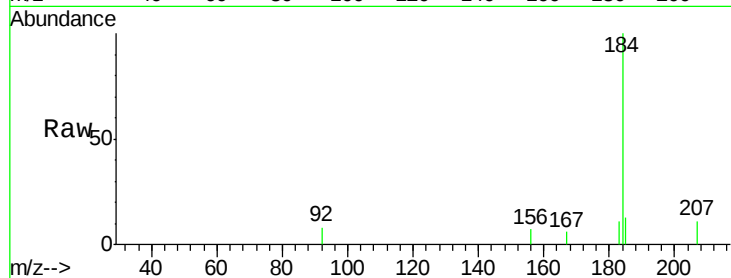
Tot Ion:184 Resp: 7510

Ion Ratio Lower Upper

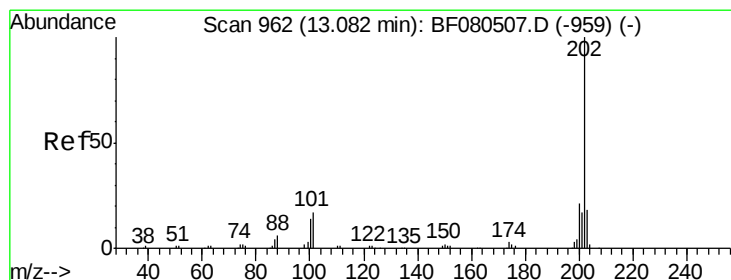
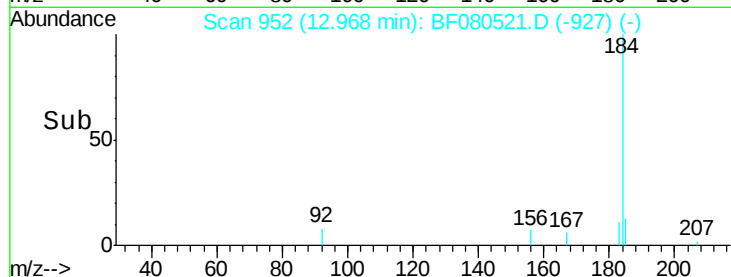
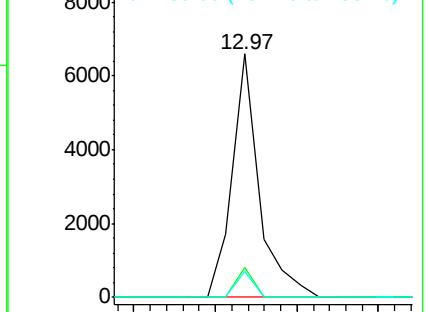
184 100

185 12.5 11.8 17.6

183 10.9 7.6 11.4



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



#77

Pyrene

Concen: 0.21 ng

RT: 13.21 min Scan# 973

Delta R.T. 0.13 min

Lab File: BF080521.D

Acq: 16 Jul 2015 20:45

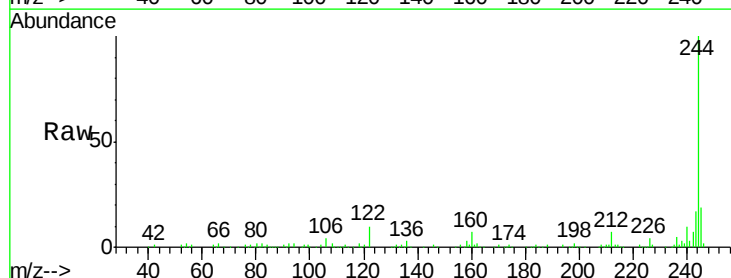
Tgt Ion:202 Resp: 699

Ion Ratio Lower Upper

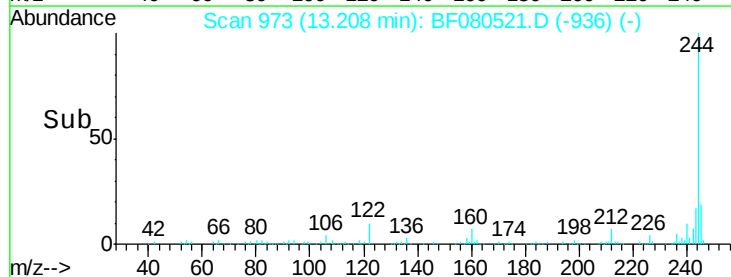
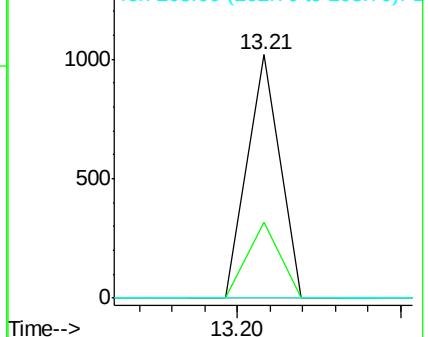
202 100

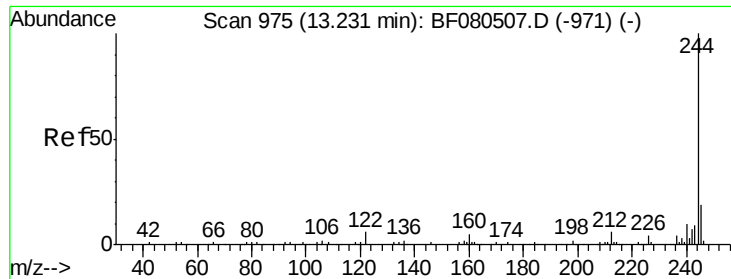
200 31.1 15.0 22.4#

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

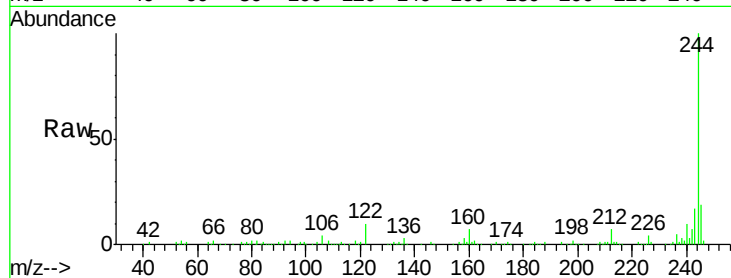




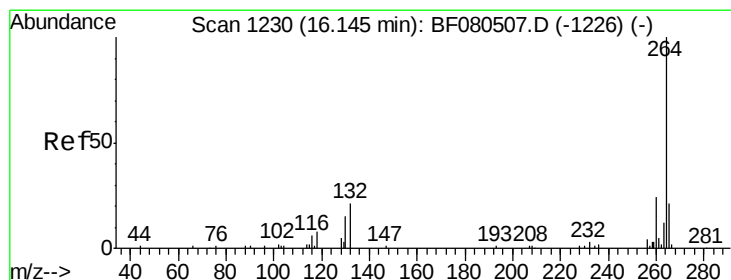
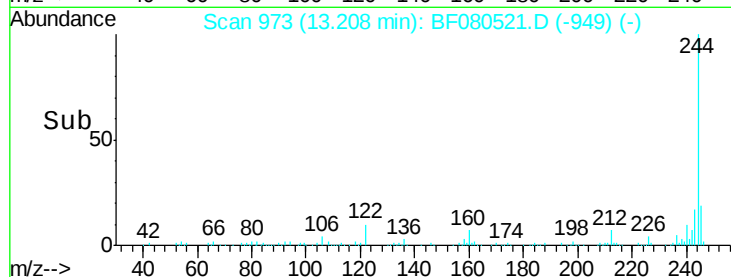
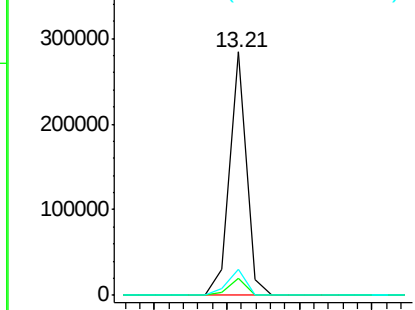
#78
 Terphenyl-d14
 Concen: 93.67 ng
 RT: 13.21 min Scan# 973
 Delta R.T. -0.02 min
 Lab File: BF080521.D
 Acq: 16 Jul 2015 20:45

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E4

Tot Ion:244 Resp: 229502
 Ion Ratio Lower Upper
 244 100
 212 7.2 4.3 6.5#
 122 10.4 17.4 26.2#

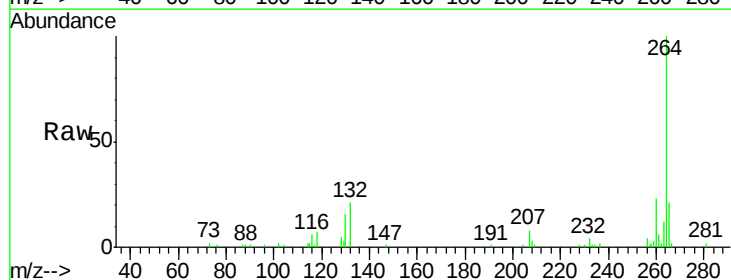


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.04 min Scan# 1221
 Delta R.T. -0.10 min
 Lab File: BF080521.D
 Acq: 16 Jul 2015 20:45

Tgt Ion:264 Resp: 45213
 Ion Ratio Lower Upper
 264 100
 260 23.1 16.7 25.1
 265 20.6 17.2 25.8



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

