

Data Path : Z:\HPCHEM1\BNA F\Data\BF071615\
 Data File : BF080528.D
 Acq On : 17 Jul 2015 00:58
 Operator : TP/UM
 Sample : G2951-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1

Quant Time: Jul 17 07:43:57 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	29624	20.00	ng	0.00
21) Naphthalene-d8	8.36	136	127631	20.00	ng	0.00
38) Acenaphthene-d10	10.12	164	60331	20.00	ng	0.00
63) Phenanthrene-d10	11.61	188	109982	20.00	ng	0.00
75) Chrysene-d12	14.52	240	86285	20.00	ng	0.09
86) Perylene-d12	16.32	264	86743	20.00	ng	0.17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	146966	84.57	ng	0.01
7) Phenol-d6	6.72	99	191258	81.05	ng	0.00
23) Nitrobenzene-d5	7.64	82	130364	59.96	ng	0.00
41) 2,4,6-Tribromophenol	10.91	330	42791	91.16	ng	0.00
44) 2-Fluorobiphenyl	9.44	172	273343	61.66	ng	0.00
78) Terphenyl-d14	13.28	244	249216	59.89	ng	0.05

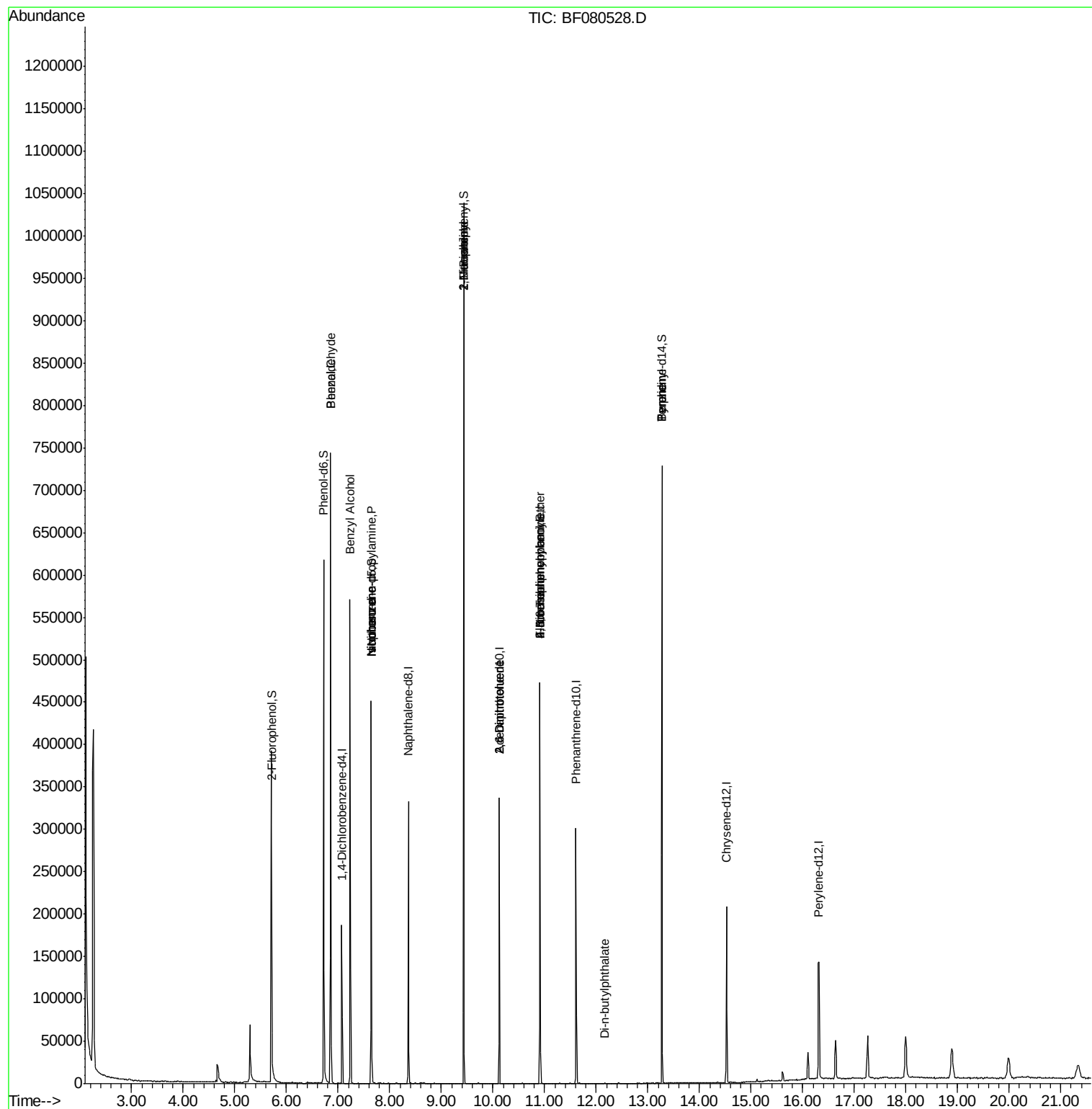
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.85	77	4318	2.70	ng	# 60
10) Phenol	6.85	94	298	0.12	ng	# 1
15) Benzyl Alcohol	7.23	79	2439	1.48	ng	# 25
19) n-Nitroso-di-n-propylamine	7.64	70	16572	11.57	ng	# 61
24) Nitrobenzene	7.64	77	363	0.17	ng	# 20
25) Isophorone	7.64	82	130360	33.94	ng	# 58
45) 1,1'-Biphenyl	9.44	154	590	0.12	ng	# 1
47) 2-Nitroaniline	9.44	65	390	0.41	ng	# 1
50) 2,6-Dinitrotoluene	10.12	165	7822	9.66	ng	# 37
56) 2,4-Dinitrotoluene	10.12	165	7822	6.67	ng	# 31
57) Fluorene	10.91	166	2075	0.50	ng	# 74
65) n-Nitrosodiphenylamine	10.91	169	1656	0.44	ng	# 41
66) 4-Bromophenyl-phenylether	10.91	248	3674	3.43	ng	# 1
73) Di-n-butylphthalate	12.17	149	213	0.04	ng	# 78
76) Benzidine	13.28	184	3574	1.26	ng	# 95
77) Pyrene	13.28	202	610	0.11	ng	# 41

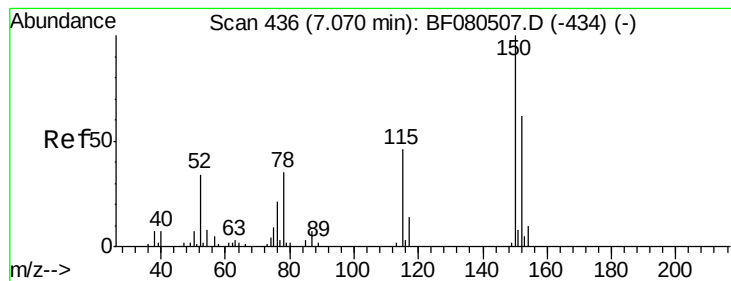
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF080528.D

Acq: 17 Jul 2015 00:58

Instrument :

BNA_F

ClientSampleId :

TEC-B1

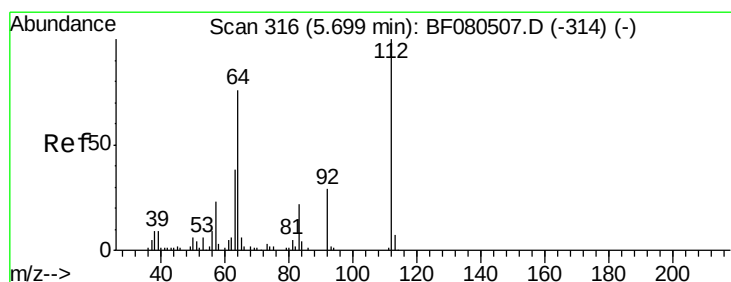
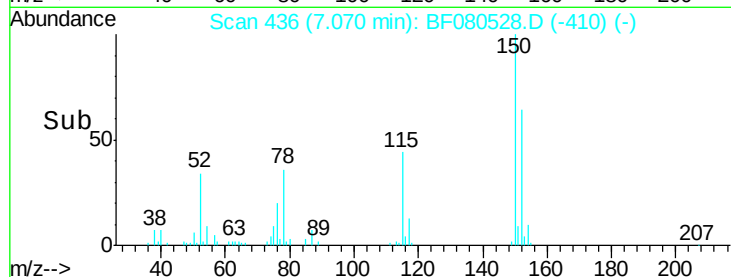
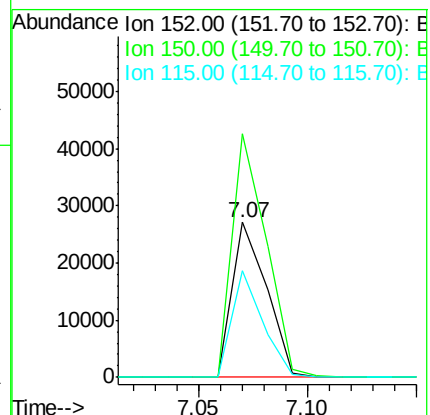
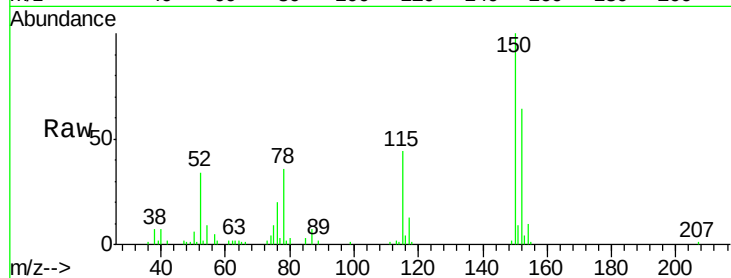
Tot Ion:152 Resp: 29624

Ion Ratio Lower Upper

152 100

150 156.9 124.7 187.1

115 68.6 39.0 58.4#



#5

2-Fluorophenol

Concen: 84.57 ng

RT: 5.71 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

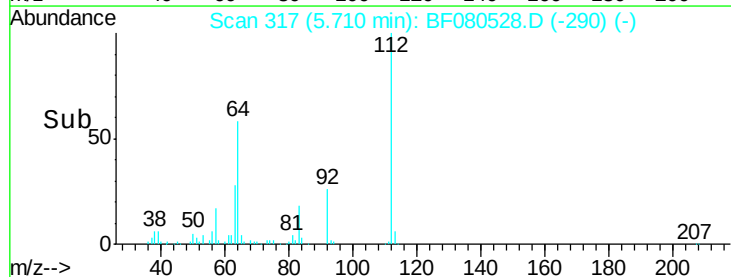
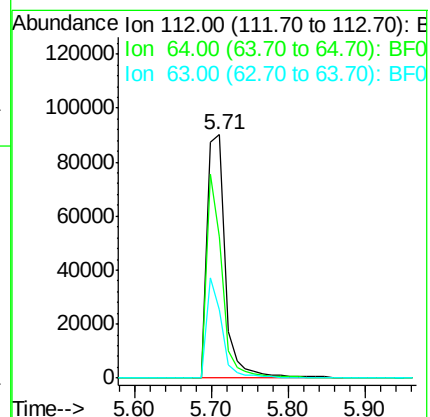
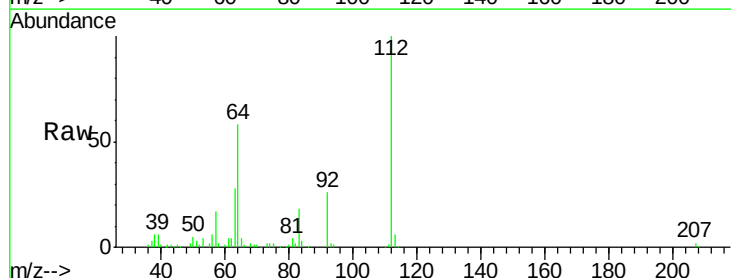
Tgt Ion:112 Resp: 146966

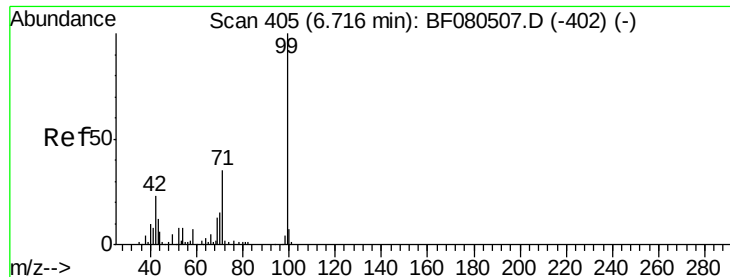
Ion Ratio Lower Upper

112 100

64 57.8 39.7 59.5

63 28.2 17.4 26.0#





#7

Phenol-d6

Concen: 81.05 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

Instrument :

BNA_F

ClientSampled :

TEC-B1

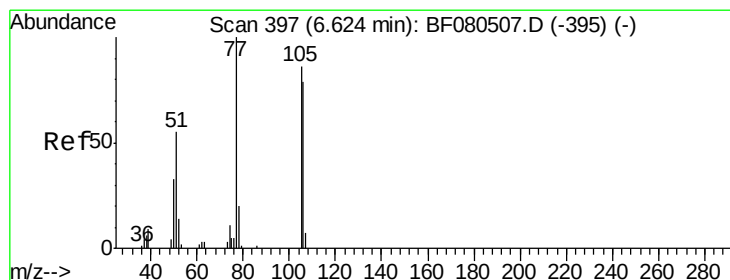
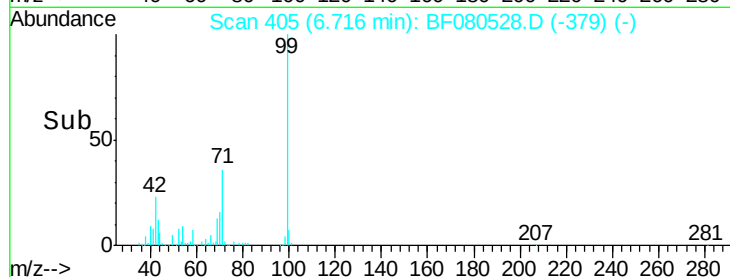
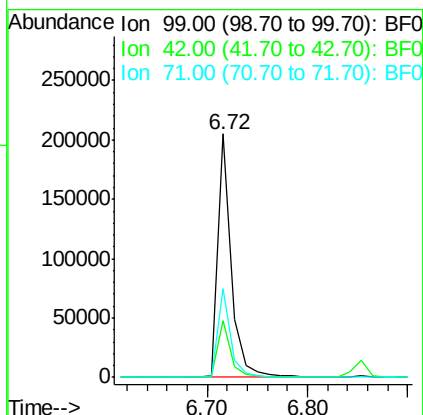
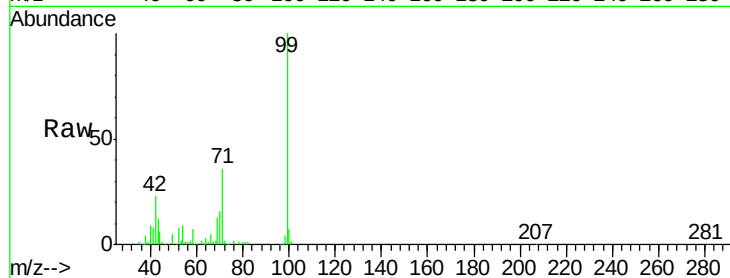
Tot Ion: 99 Resp: 191258

Ion Ratio Lower Upper

99 100

42 23.2 13.7 20.5#

71 36.2 14.2 21.2#



#9

Benzaldehyde

Concen: 2.70 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.23 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

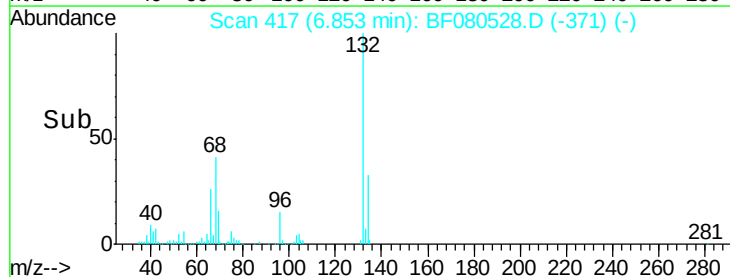
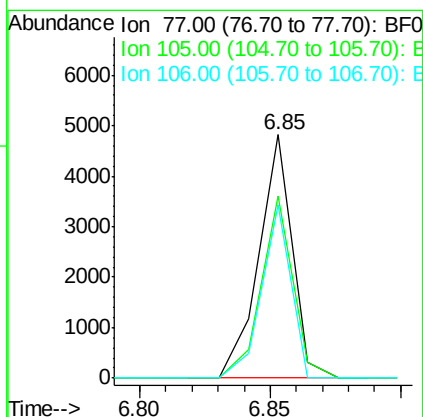
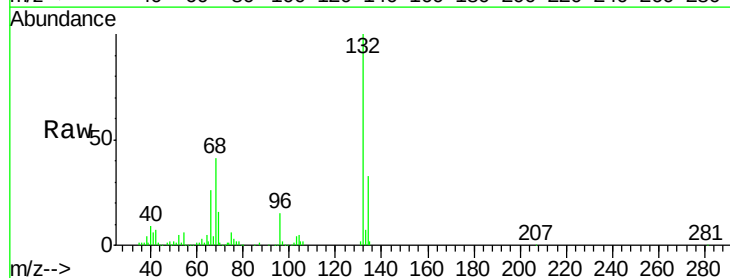
Tgt Ion: 77 Resp: 4318

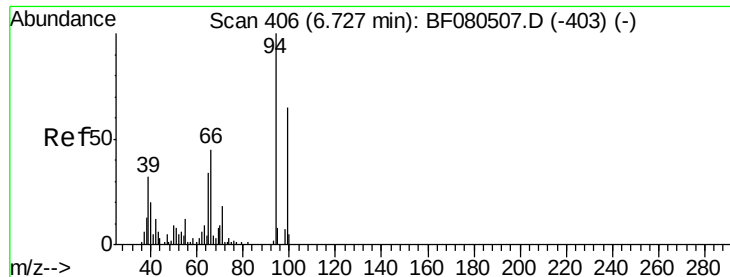
Ion Ratio Lower Upper

77 100

105 74.7 91.6 131.6#

106 71.1 102.6 142.6#





#10

Phenol

Concen: 0.12 ng

RT: 6.85 min Scan# 417

Delta R.T. 0.13 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

Instrument :

BNA_F

ClientSampleId :

TEC-B1

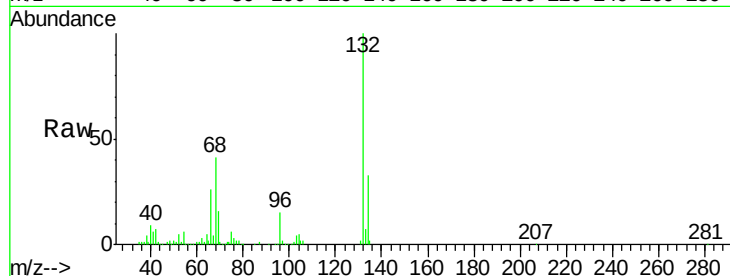
Tot Ion: 94 Resp: 298

Ion Ratio Lower Upper

94 100

65 1090.8 0.7 40.7#

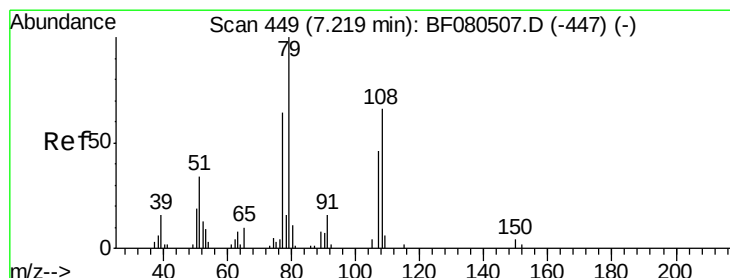
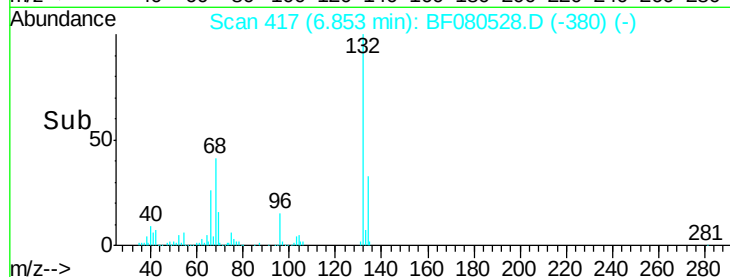
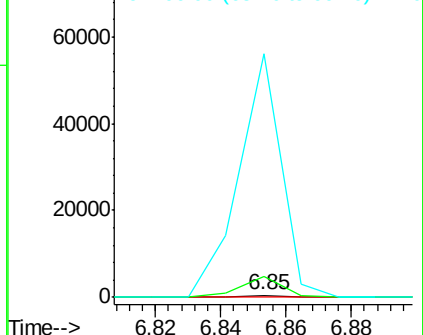
66 12918.0 0.8 40.8#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#15

Benzyl Alcohol

Concen: 1.48 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.01 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

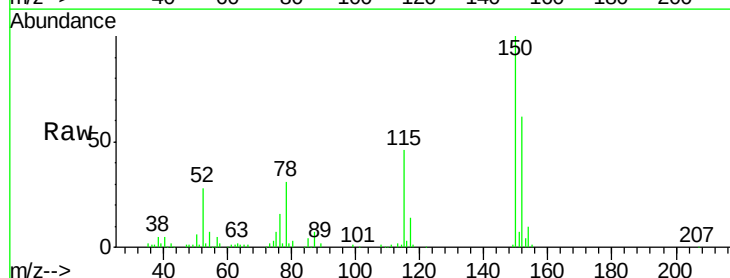
Tgt Ion: 79 Resp: 2439

Ion Ratio Lower Upper

79 100

108 27.0 88.6 132.8#

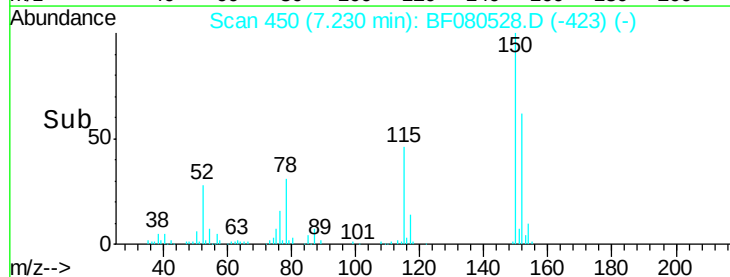
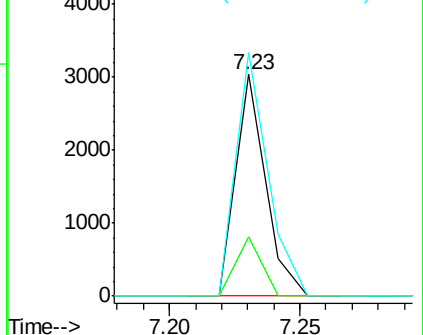
77 109.9 47.0 70.4#

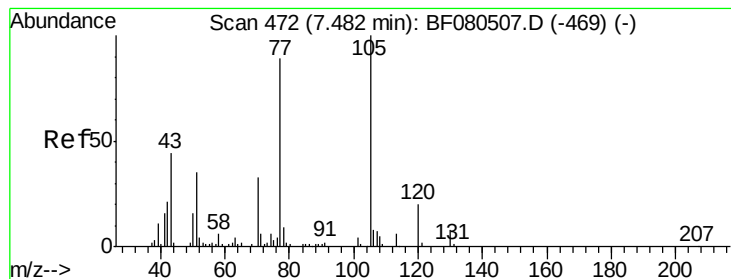


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 11.57 ng

RT: 7.64 min Scan# 486

Delta R.T. 0.16 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

Instrument :

BNA_F

ClientSampleId :

TEC-B1

Tot Ion: 70 Resp: 16572

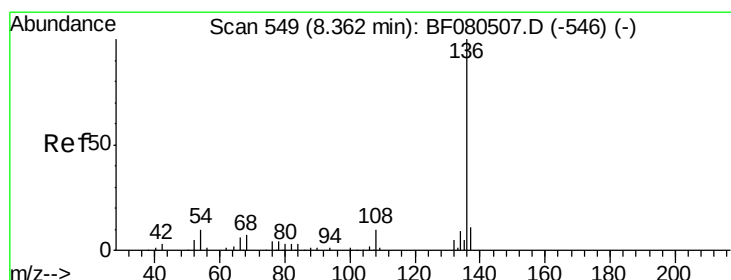
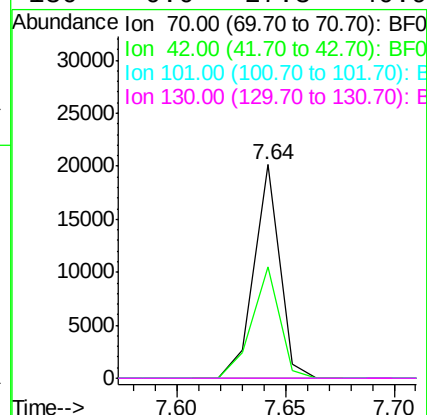
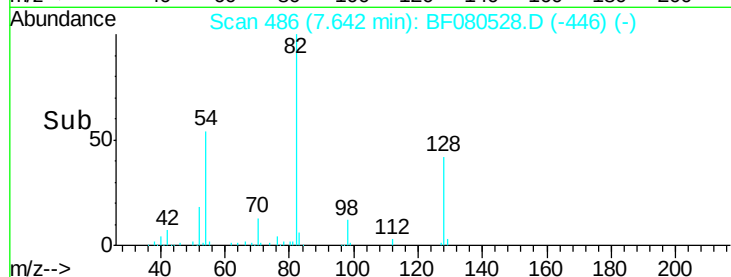
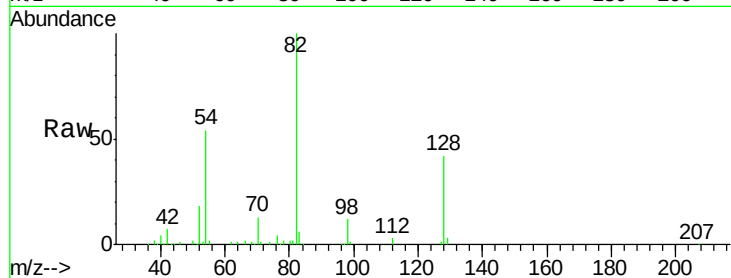
Ion Ratio Lower Upper

70 100

42 52.2 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: BF080528.D

Acq: 17 Jul 2015 00:58

Tgt Ion: 136 Resp: 127631

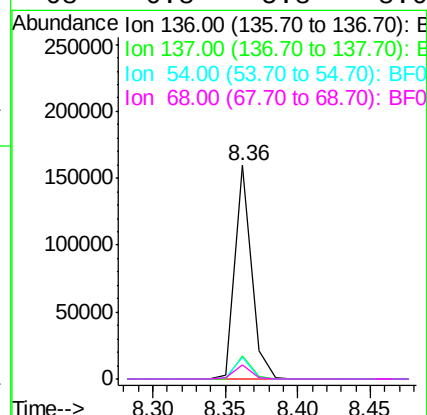
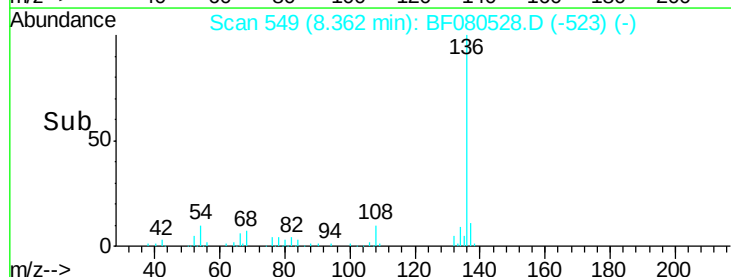
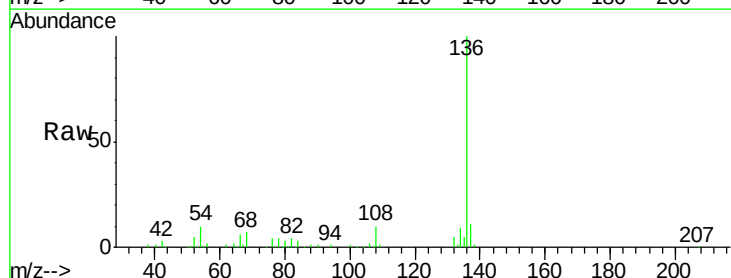
Ion Ratio Lower Upper

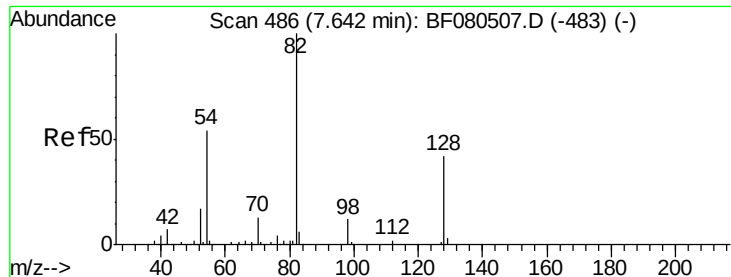
136 100

137 10.8 9.0 13.6

54 10.4 8.2 12.2

68 6.8 5.8 8.6

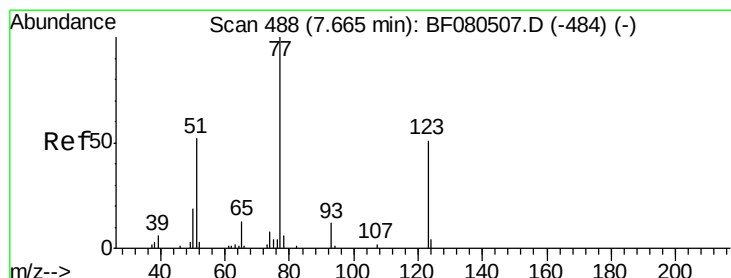
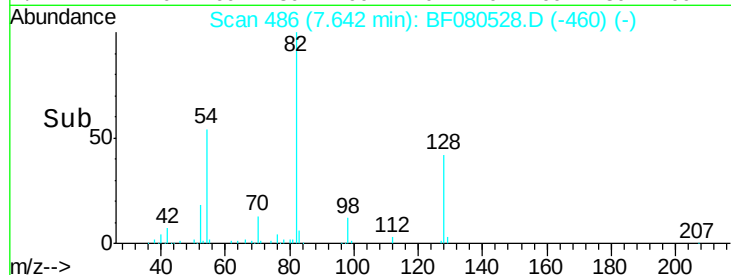
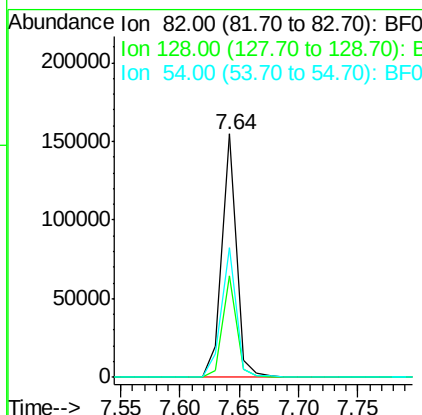
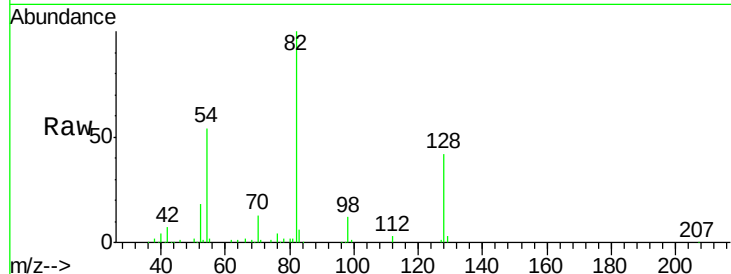




#23
 Nitrobenzene-d5
 Concen: 59.96 ng
 RT: 7.64 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: BF080528.D
 Acq: 17 Jul 2015 00:58

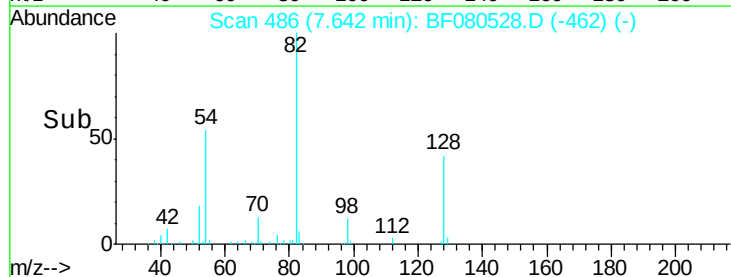
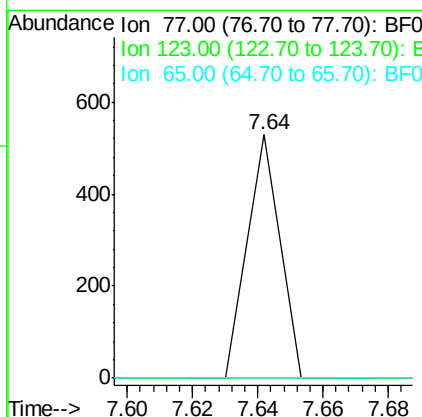
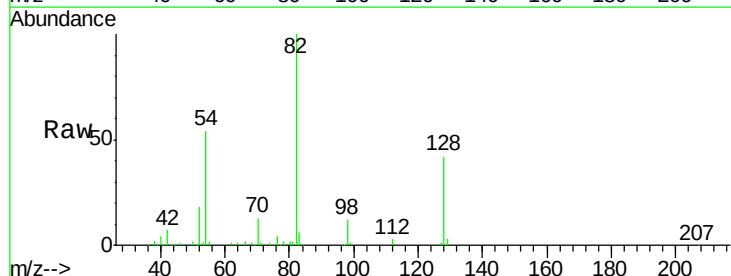
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1

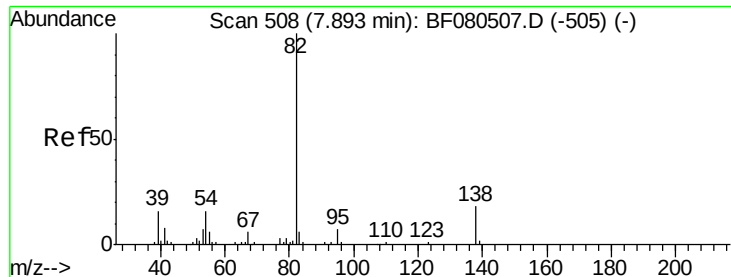
Tot Ion	82	Resp	130364
Ion Ratio	Lower	Upper	
82	100		
128	41.8	51.0	76.6#
54	53.5	47.5	71.3



#24
 Nitrobenzene
 Concen: 0.17 ng
 RT: 7.64 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: BF080528.D
 Acq: 17 Jul 2015 00:58

Tgt Ion	77	Resp	363
Ion Ratio	Lower	Upper	
77	100		
123	0.0	59.8	89.8#
65	0.0	10.2	15.4#





#25

Isophorone

Concen: 33.94 ng

RT: 7.64 min Scan# 486

Delta R.T. -0.25 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

Instrument :

BNA_F

ClientSampleId :

TEC-B1

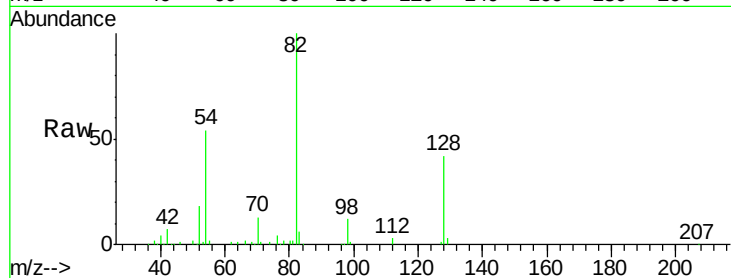
Tot Ion: 82 Resp: 130360

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

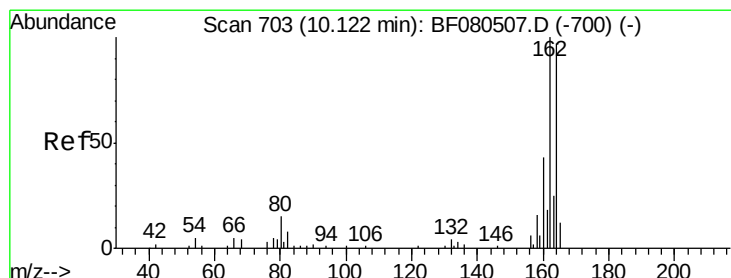
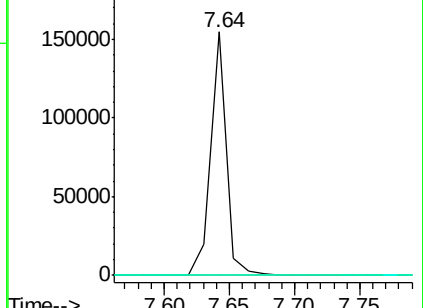
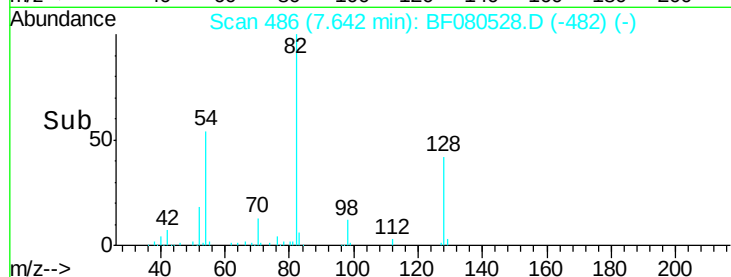
138 0.0 18.3 27.5#



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: BF080528.D

Acq: 17 Jul 2015 00:58

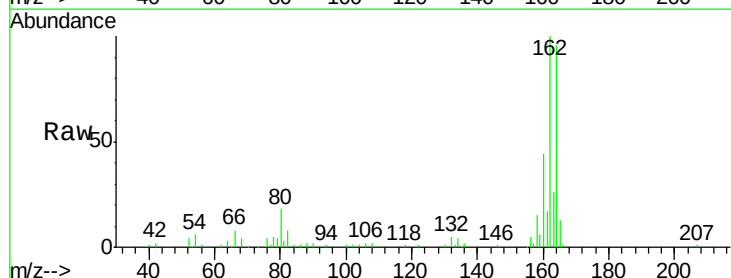
Tgt Ion: 164 Resp: 60331

Ion Ratio Lower Upper

164 100

162 104.5 75.2 112.8

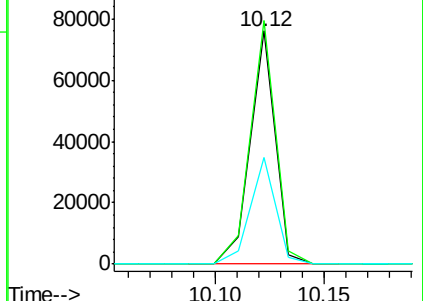
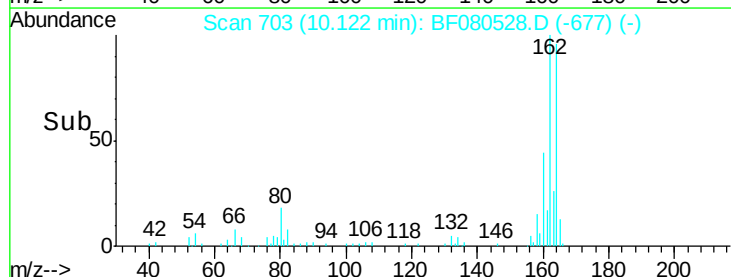
160 45.9 31.5 47.3

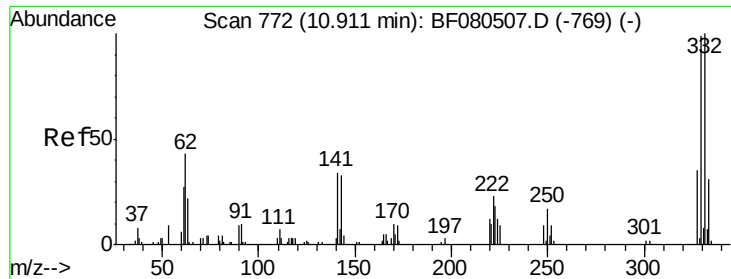


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 91.16 ng

RT: 10.91 min Scan# 772

Delta R.T. 0.00 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

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TEC-B1

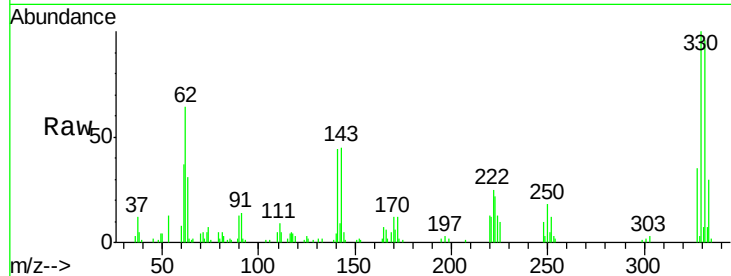
Tot Ion:330 Resp: 42791

Ion Ratio Lower Upper

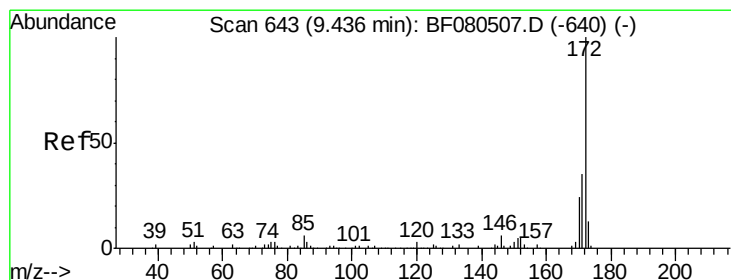
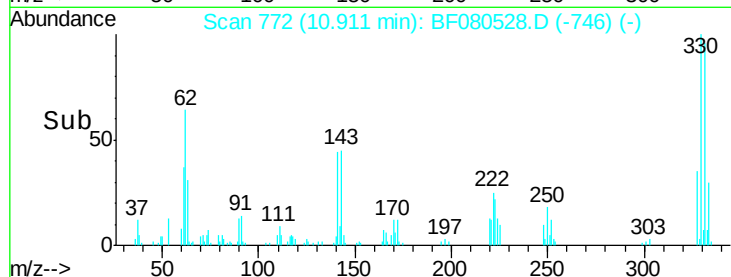
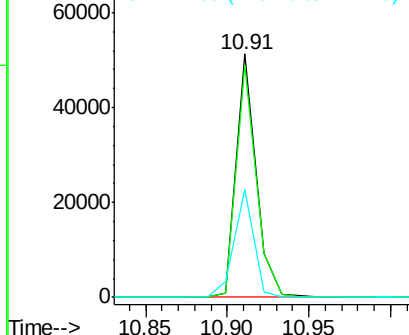
330 100

332 95.7 76.6 114.8

141 43.8 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: 61.66 ng

RT: 9.44 min Scan# 643

Delta R.T. 0.00 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

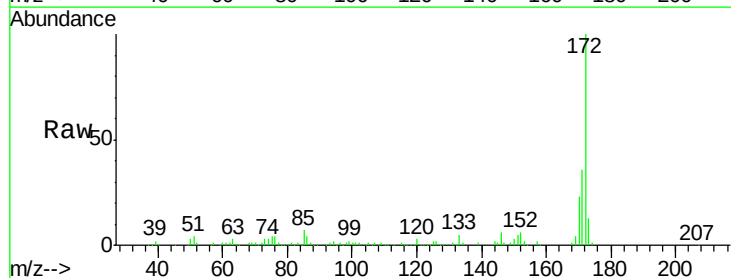
Tgt Ion:172 Resp: 273343

Ion Ratio Lower Upper

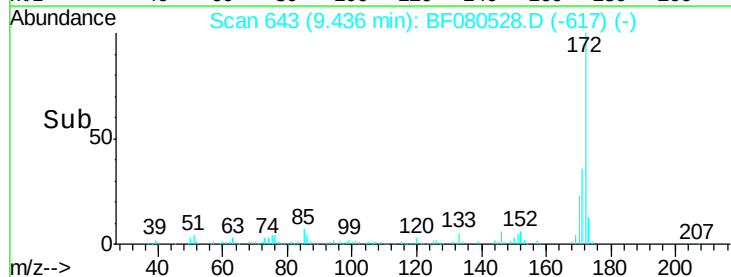
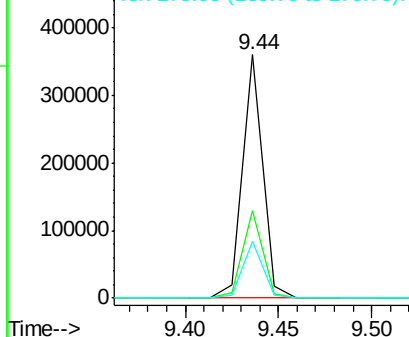
172 100

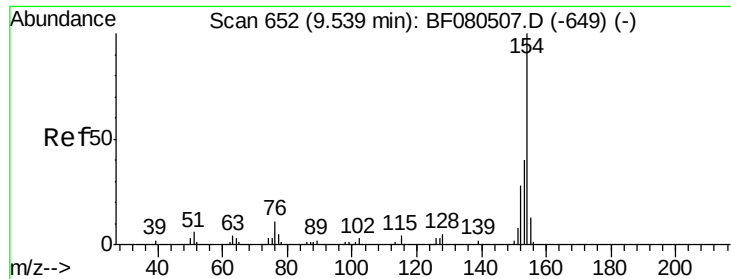
171 35.9 26.1 39.1

170 23.4 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: 0.12 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.10 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

Instrument :

BNA_F

ClientSampleId :

TEC-B1

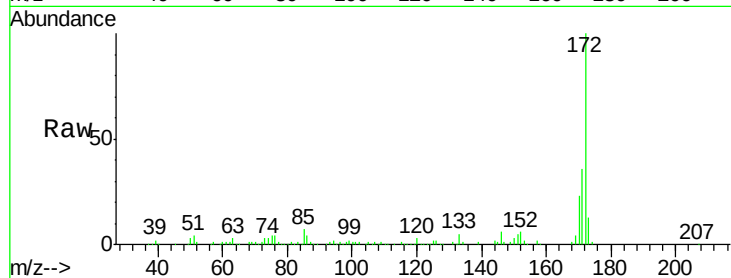
Tot Ion:154 Resp: 590

Ion Ratio Lower Upper

154 100

153 760.3 17.1 57.1#

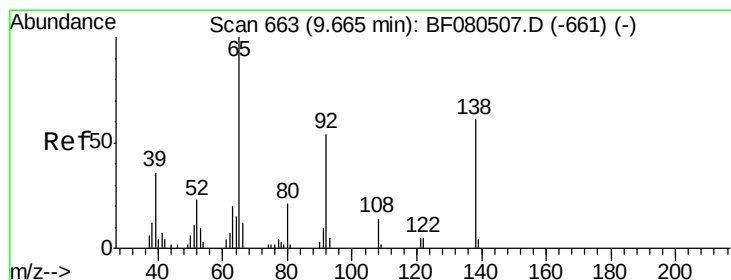
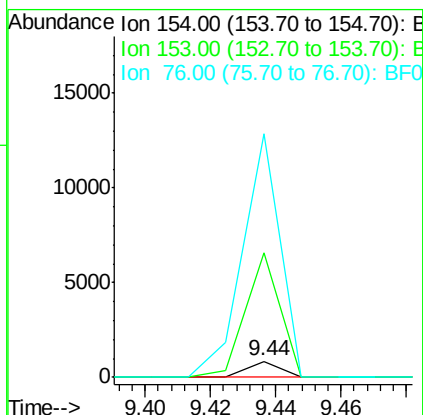
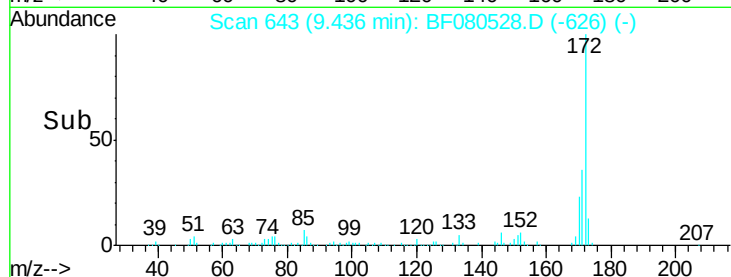
76 1492.8 0.0 31.6#



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: 0.41 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.23 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

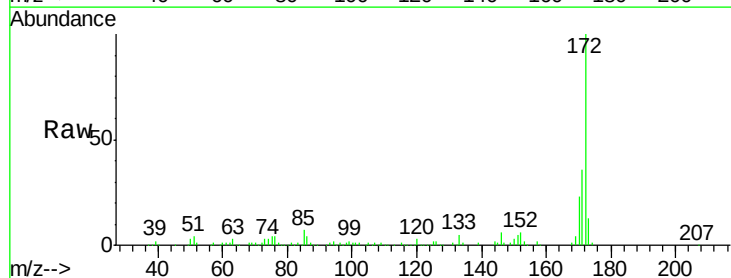
Tgt Ion: 65 Resp: 390

Ion Ratio Lower Upper

65 100

92 230.5 55.4 83.0#

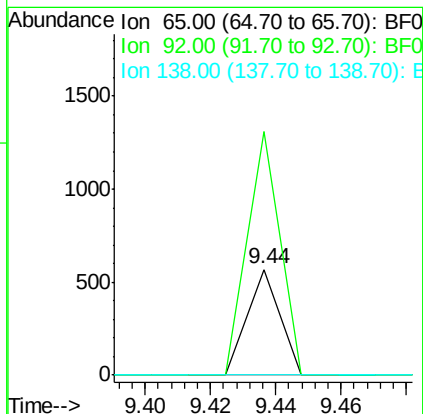
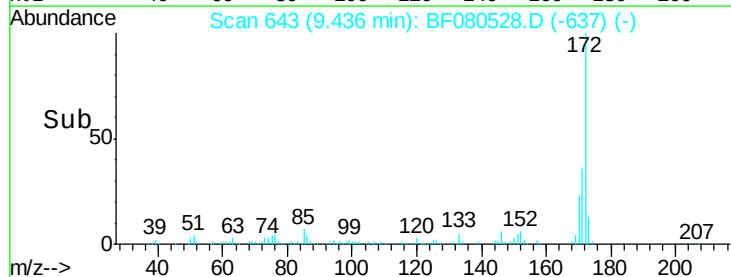
138 0.0 115.5 173.3#

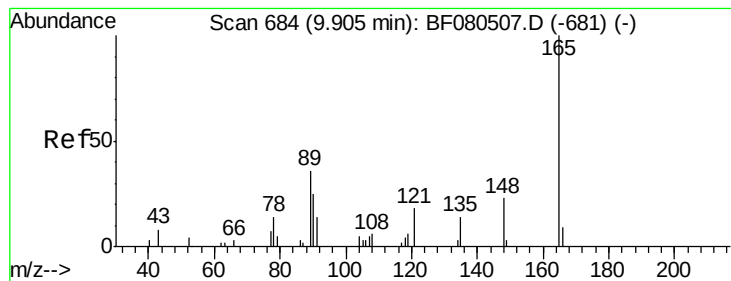


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#50

2,6-Dinitrotoluene

Concen: 9.66 ng

RT: 10.12 min Scan# 703

Delta R.T. 0.22 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

Instrument :

BNA_F

ClientSampleId :

TEC-B1

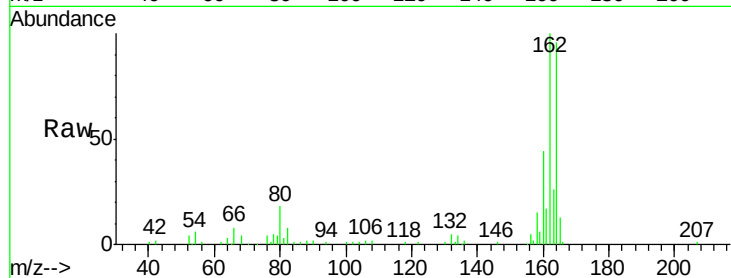
Tot Ion:165 Resp: 7822

Ion Ratio Lower Upper

165 100

63 0.0 32.3 48.5#

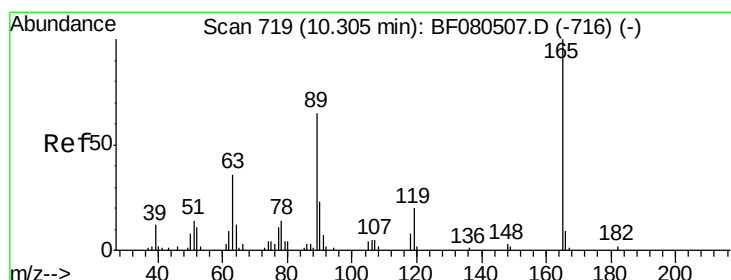
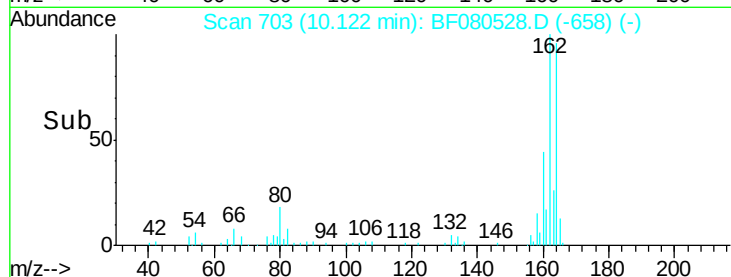
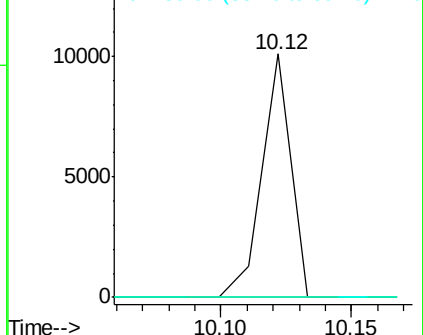
89 0.0 28.6 43.0#



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: 6.67 ng

RT: 10.12 min Scan# 703

Delta R.T. -0.18 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

Tgt Ion:165 Resp: 7822

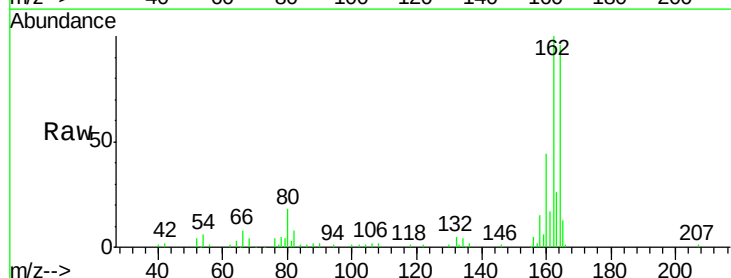
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

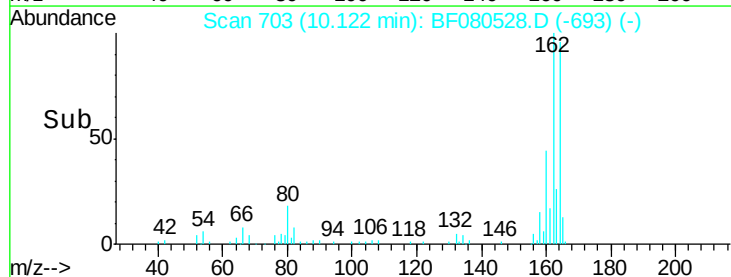
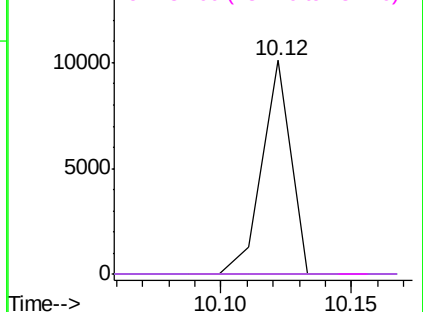


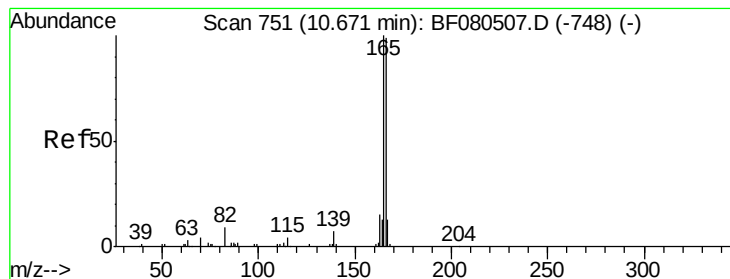
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.50 ng

RT: 10.91 min Scan# 772

Delta R.T. 0.24 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

Instrument :

BNA_F

ClientSampleId :

TEC-B1

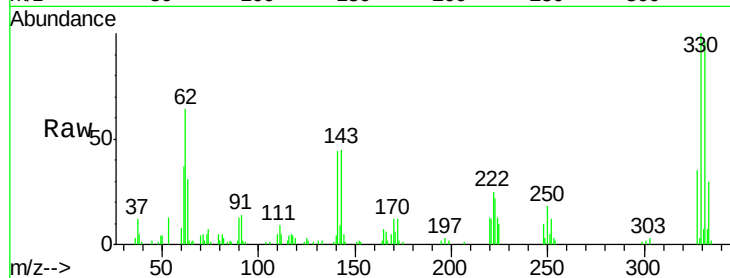
Tot Ion:166 Resp: 2075

Ion Ratio Lower Upper

166 100

165 112.1 72.6 109.0#

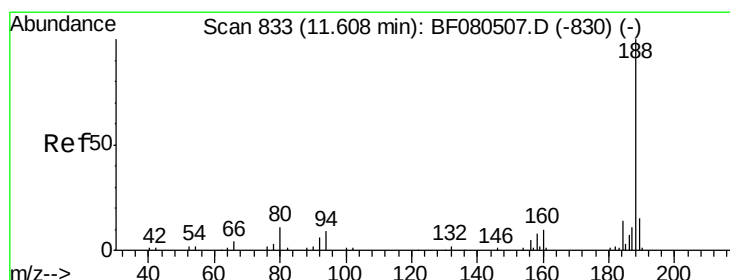
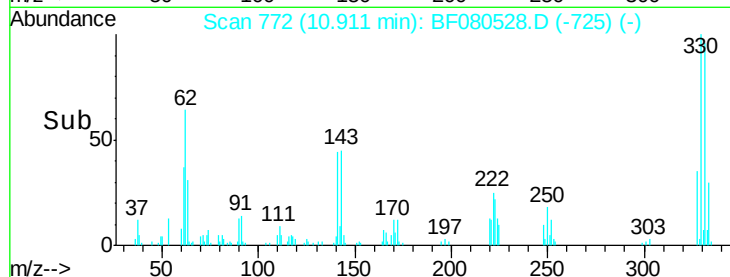
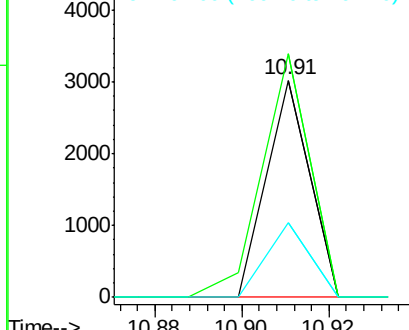
167 34.6 10.6 16.0#



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: BF080528.D

Acq: 17 Jul 2015 00:58

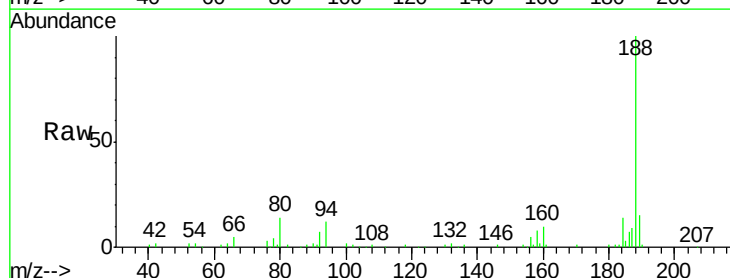
Tgt Ion:188 Resp: 109982

Ion Ratio Lower Upper

188 100

94 11.9 11.1 16.7

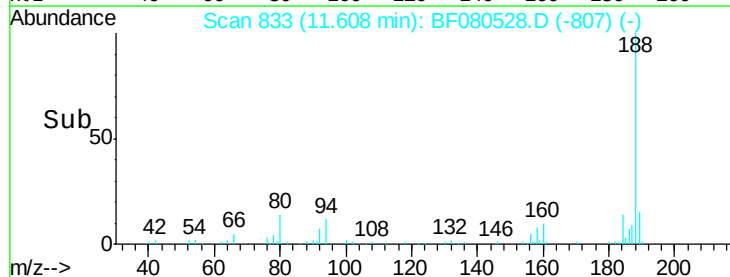
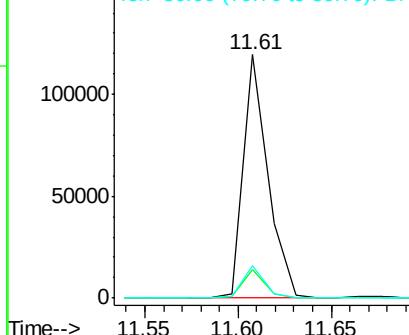
80 13.6 11.0 16.4

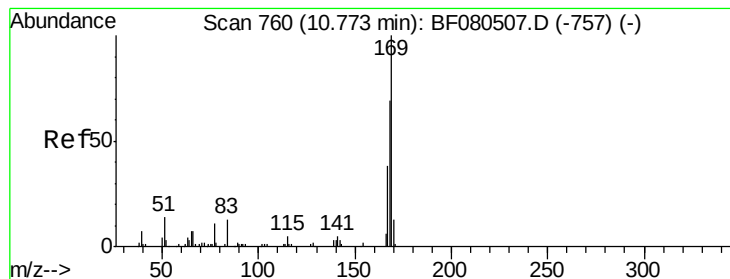


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 0.44 ng

RT: 10.91 min Scan# 772

Delta R.T. 0.14 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

Instrument :

BNA_F

ClientSampleId :

TEC-B1

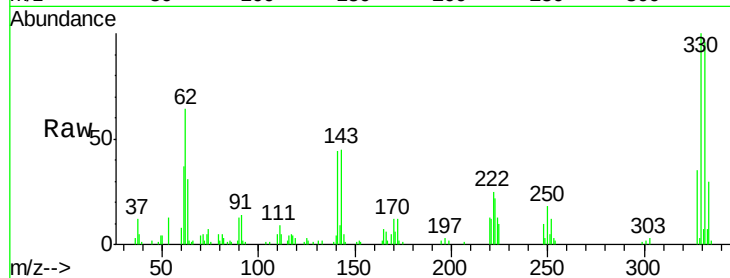
Tot Ion:169 Resp: 1656

Ion Ratio Lower Upper

169 100

168 0.0 48.9 73.3#

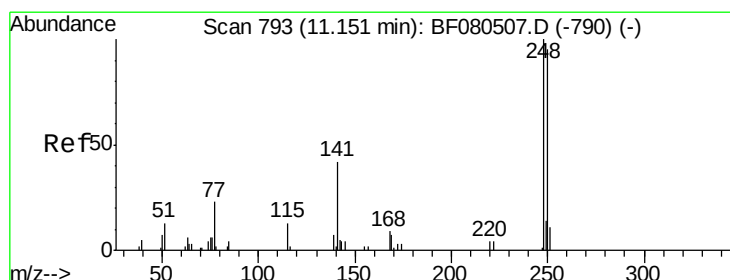
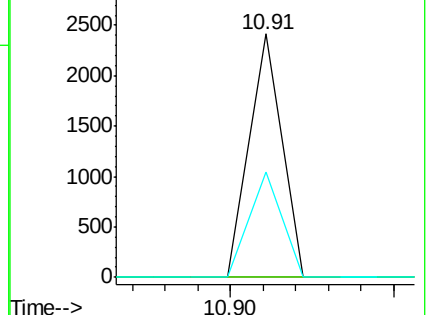
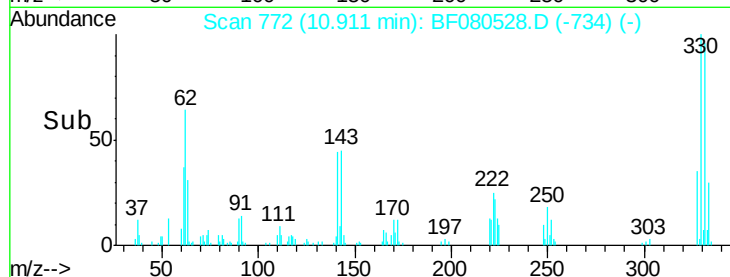
167 43.4 26.2 39.4#



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: 3.43 ng

RT: 10.91 min Scan# 772

Delta R.T. -0.24 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

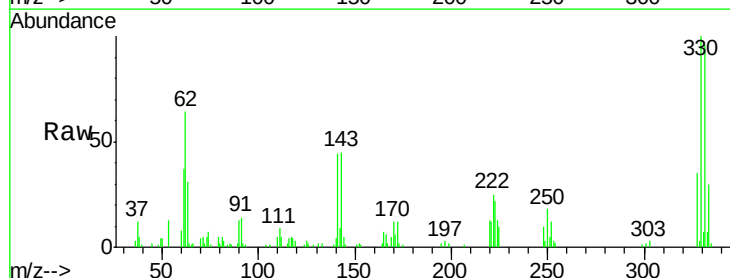
Tgt Ion:248 Resp: 3674

Ion Ratio Lower Upper

248 100

250 191.9 78.5 117.7#

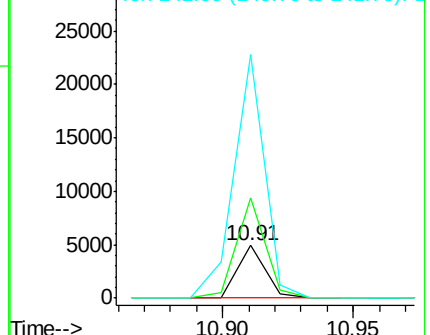
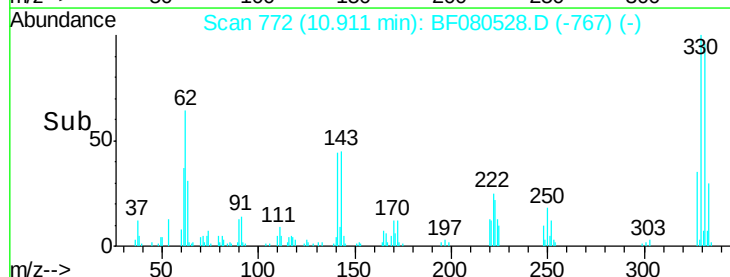
141 464.4 59.0 88.6#

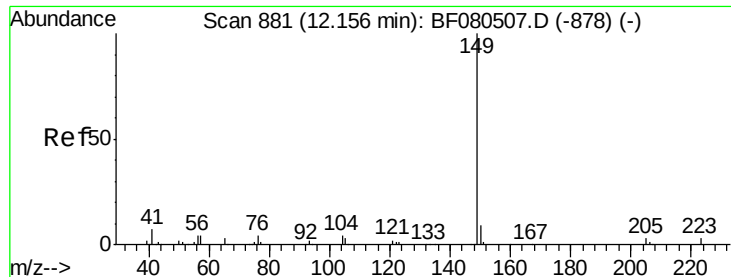


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#73

Di-n-butylphthalate

Concen: 0.04 ng

RT: 12.17 min Scan# 882

Delta R.T. 0.01 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

Instrument :

BNA_F

ClientSampleId :

TEC-B1

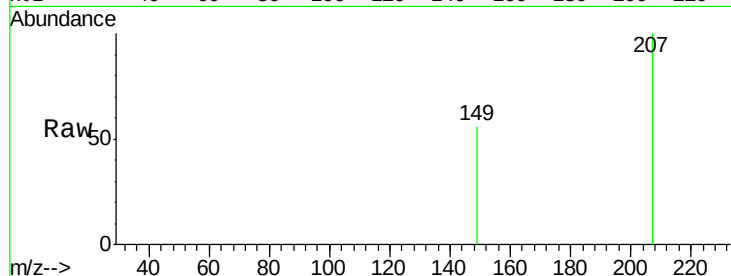
Tot Ion:149 Resp: 213

Ion Ratio Lower Upper

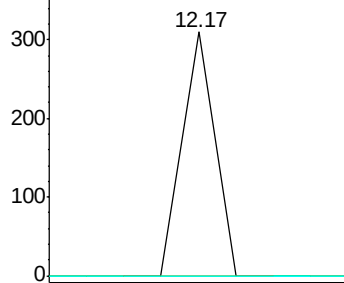
149 100

150 0.0 7.4 11.2#

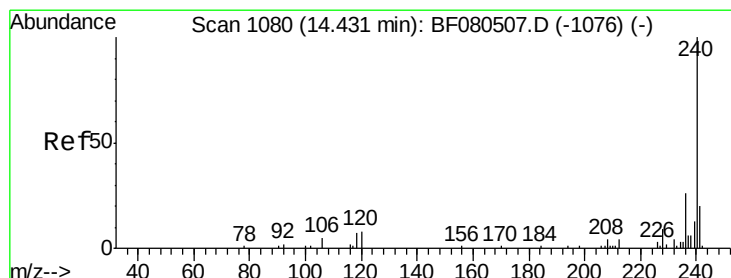
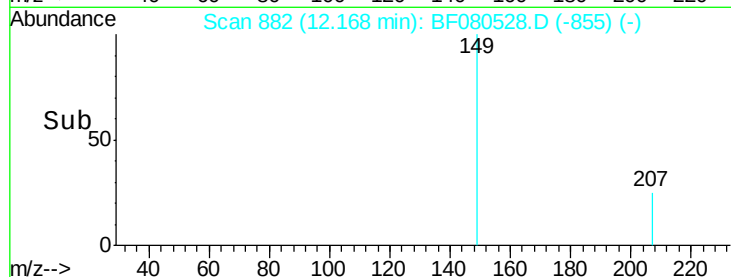
104 0.0 2.4 3.6#



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



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.52 min Scan# 1088

Delta R.T. 0.09 min

Lab File: BF080528.D

Acq: 17 Jul 2015 00:58

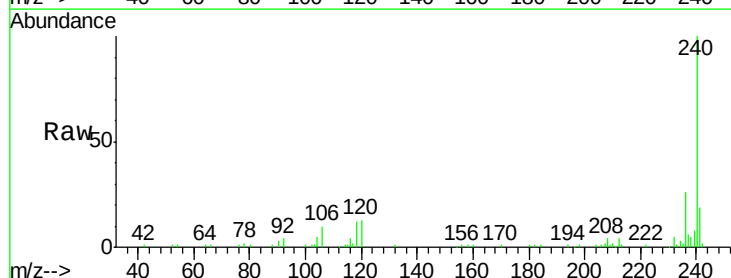
Tgt Ion:240 Resp: 86285

Ion Ratio Lower Upper

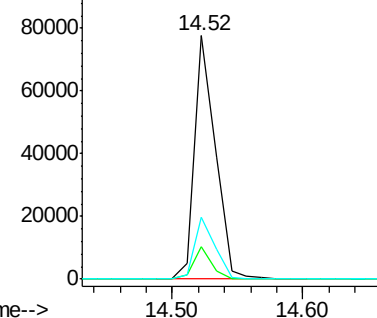
240 100

120 13.3 16.2 24.2#

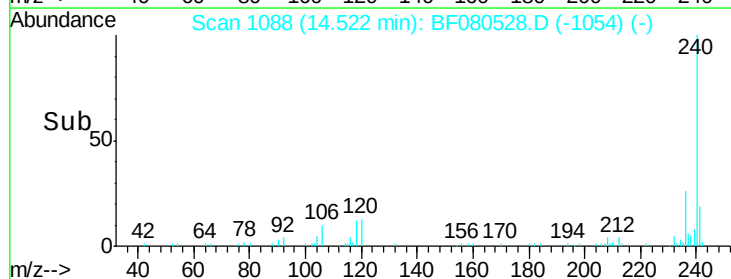
236 25.5 18.4 27.6

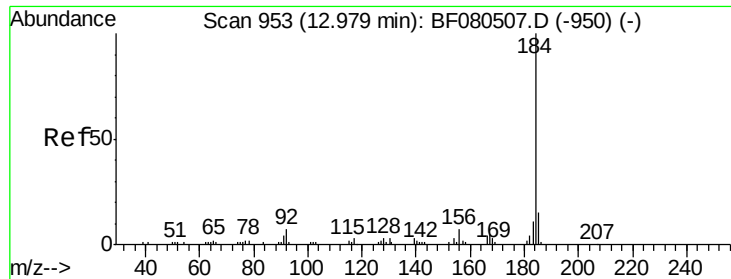


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->

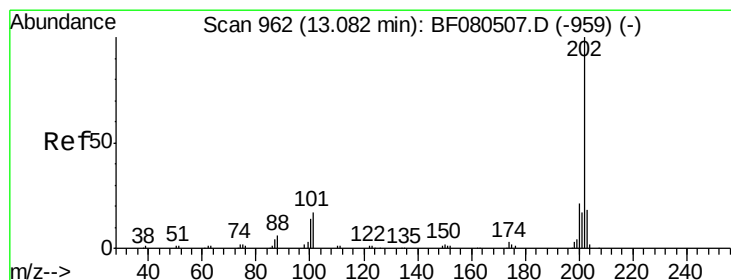
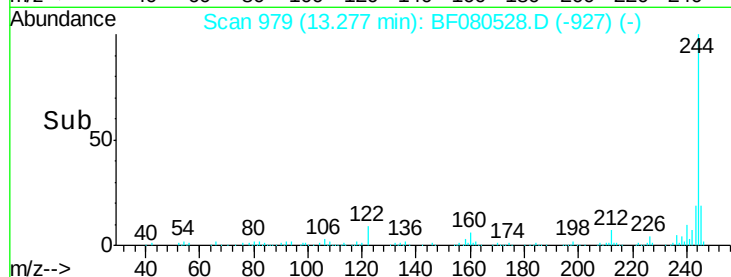
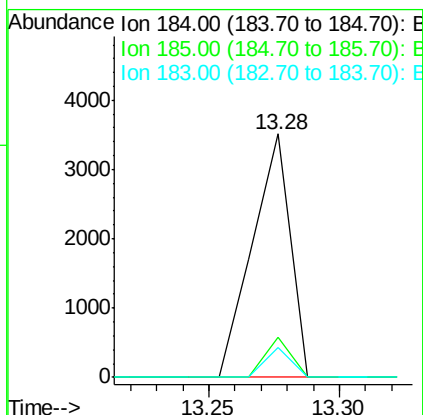
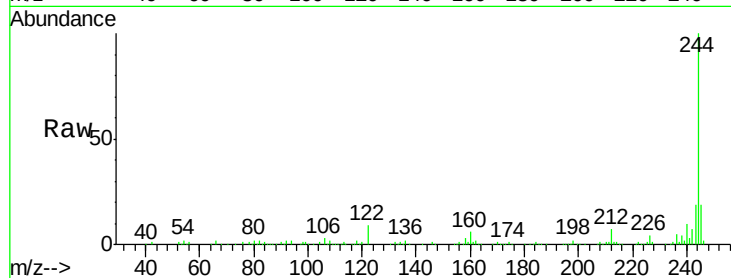




#76
Benzidine
Concen: 1.26 ng
RT: 13.28 min Scan# 979
Delta R.T. 0.30 min
Lab File: BF080528.D
Acq: 17 Jul 2015 00:58

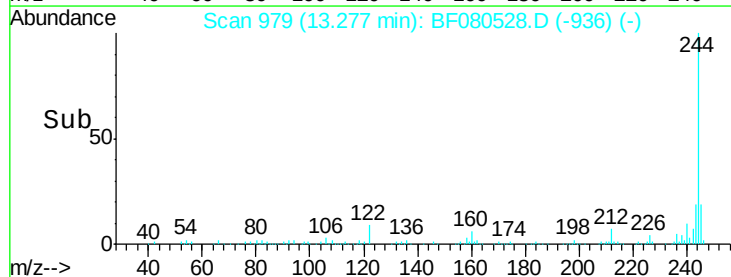
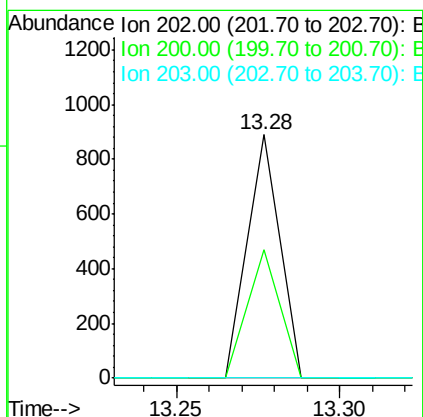
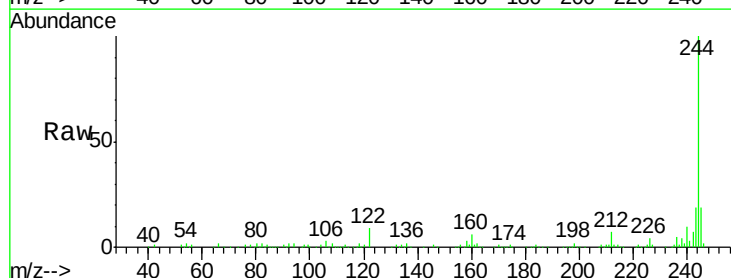
Instrument :
BNA_F
ClientSampleId :
TEC-B1

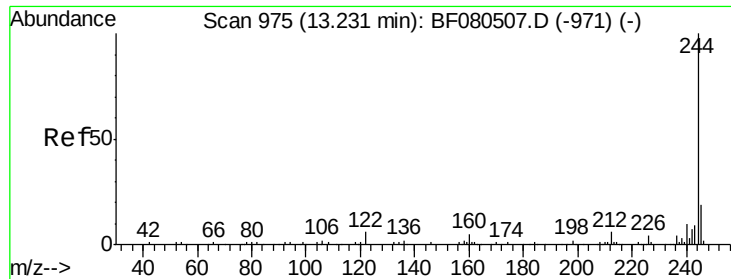
Tot Ion:184 Resp: 3574
Ion Ratio Lower Upper
184 100
185 16.3 11.8 17.6
183 12.1 7.6 11.4#



#77
Pyrene
Concen: 0.11 ng
RT: 13.28 min Scan# 979
Delta R.T. 0.19 min
Lab File: BF080528.D
Acq: 17 Jul 2015 00:58

Tgt Ion:202 Resp: 610
Ion Ratio Lower Upper
202 100
200 52.8 15.0 22.4#
203 0.0 14.1 21.1#

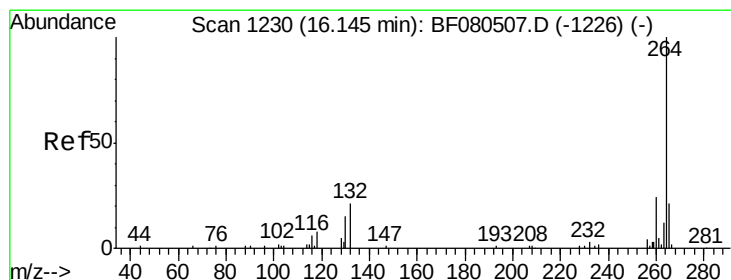
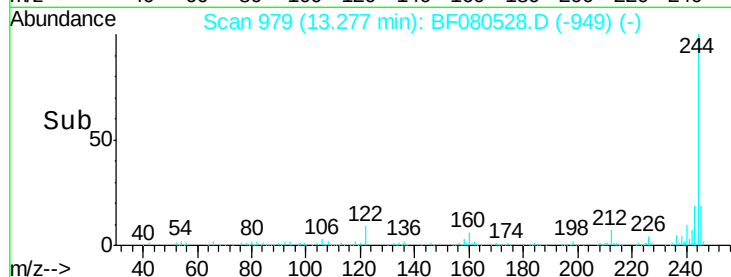
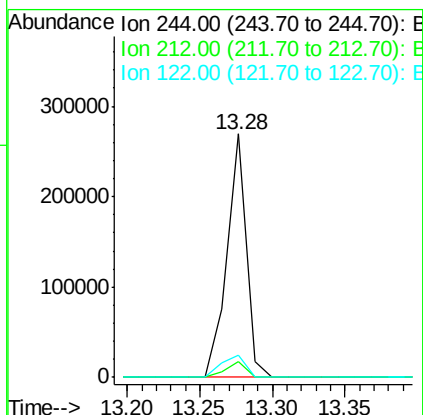
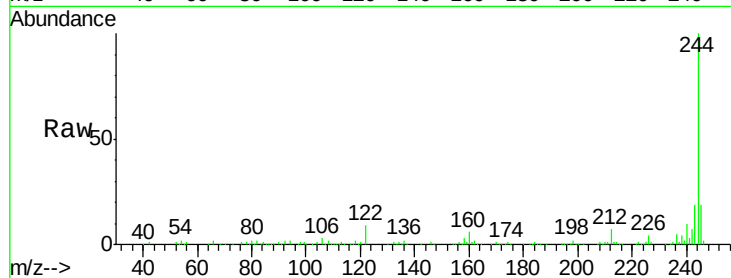




#78
 Terphenyl-d14
 Concen: 59.89 ng
 RT: 13.28 min Scan# 979
 Delta R.T. 0.05 min
 Lab File: BF080528.D
 Acq: 17 Jul 2015 00:58

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1

Tot Ion:244 Resp: 249216
 Ion Ratio Lower Upper
 244 100
 212 6.7 4.3 6.5#
 122 9.3 17.4 26.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.32 min Scan# 1245
 Delta R.T. 0.17 min
 Lab File: BF080528.D
 Acq: 17 Jul 2015 00:58

Tgt Ion:264 Resp: 86743
 Ion Ratio Lower Upper
 264 100
 260 24.5 16.7 25.1
 265 20.7 17.2 25.8

