

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
 Data File : BF082593.D
 Acq On : 31 Oct 2015 1:32
 Operator : UM/IZ
 Sample : PB86301BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86301BL

Quant Time: Oct 31 03:17:22 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 31 00:17:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	182227	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	723400	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	371938	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	689109	20.00	ng	0.00
75) Chrysene-d12	14.07	240	531403	20.00	ng	-0.01
86) Perylene-d12	15.52	264	406615	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1308362	108.14	ng	0.01
7) Phenol-d6	6.53	99	1945034	121.01	ng	0.00
23) Nitrobenzene-d5	7.46	82	1240083	70.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	551241	135.42	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	2207501	84.27	ng	0.00
78) Terphenyl-d14	13.02	244	1952394	80.40	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.54	88	814	0.15	ng	# 1
4) n-Nitrosodimethylamine	3.22	42	503	0.05	ng	# 1
6) Aniline	6.67	93	2257	0.10	ng	# 1
8) 2-Chlorophenol	6.68	128	1022	0.08	ng	# 1
9) Benzaldehyde	6.67	77	46859	4.27	ng	81
10) Phenol	6.53	94	605	0.03	ng	# 1
11) bis(2-Chloroethyl)ether	6.67	93	2257	0.17	ng	# 1
12) 1,3-Dichlorobenzene	7.06	146	293	0.02	ng	# 1
13) 1,4-Dichlorobenzene	7.06	146	293	0.02	ng	# 1
14) 1,2-Dichlorobenzene	7.06	146	293	0.02	ng	# 1
15) Benzyl Alcohol	7.06	79	22791	1.52	ng	# 53
19) n-Nitroso-di-n-propylamine	7.46	70	176107	14.45	ng	# 75
24) Nitrobenzene	7.46	77	4404	0.25	ng	# 38
31) Naphthalene	8.32	128	536	0.01	ng	# 1
32) Benzoic acid	8.19	122	257	0.03	ng	# 1
45) 1,1'-Biphenyl	9.28	154	4296	0.14	ng	# 1
47) 2-Nitroaniline	9.26	65	4718	0.49	ng	# 1
50) 2,6-Dinitrotoluene	9.95	165	45071	7.16	ng	# 18
51) Acenaphthene	9.95	154	1469	0.06	ng	# 4
56) 2,4-Dinitrotoluene	9.95	165	45071	5.29	ng	# 16
57) Fluorene	10.73	166	18602	0.68	ng	# 94
59) Diethylphthalate	10.36	149	935	0.03	ng	# 59
62) Azobenzene	10.73	77	3202	0.09	ng	# 2
64) 4,6-Dinitro-2-methylphenol	10.74	198	1479	0.36	ng	# 1
65) n-Nitrosodiphenylamine	10.73	169	18869	0.80	ng	# 50
66) 4-Bromophenyl-phenylether	10.74	248	37535	4.81	ng	# 1
70) Phenanthrene	11.44	178	213	0.01	ng	# 1
71) Anthracene	11.44	178	213	0.01	ng	# 1
73) Di-n-butylphthalate	12.00	149	2306	0.05	ng	# 76
77) Pyrene	13.02	202	8194	0.21	ng	# 67
79) Butylbenzylphthalate	13.56	149	435	0.03	ng	# 16
80) Benzo(a)anthracene	14.07	228	1352	0.04	ng	# 55
82) Chrysene	14.07	228	1352	0.04	ng	# 53
83) Bis(2-ethylhexyl)phthalate	13.95	149	215	0.01	ng	# 52

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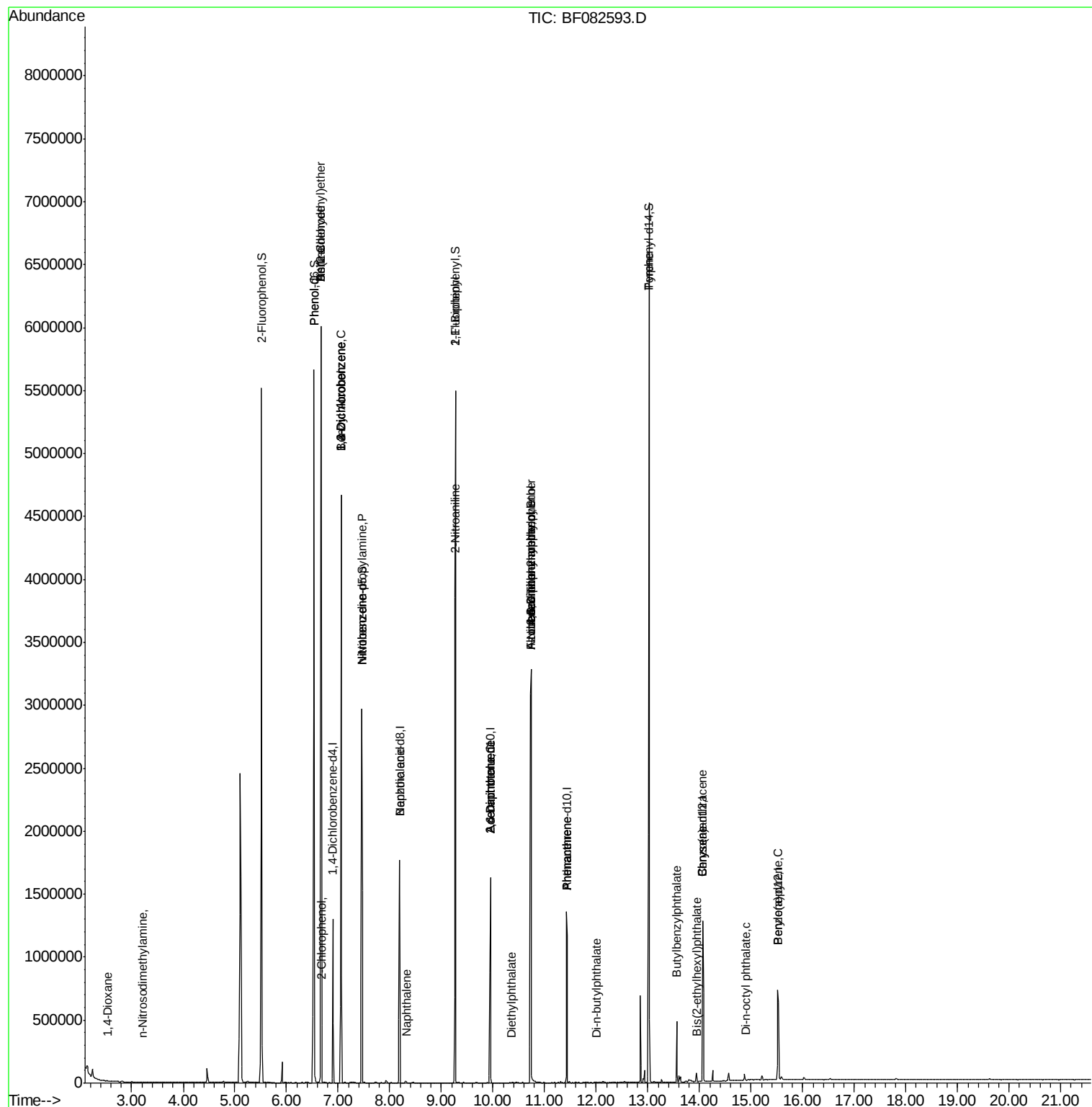
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Di-n-octyl phthalate	14.90	149	226	0.01	ng	# 71
89) Benzo(a)pyrene	15.52	252	1658	0.08	ng	# 65

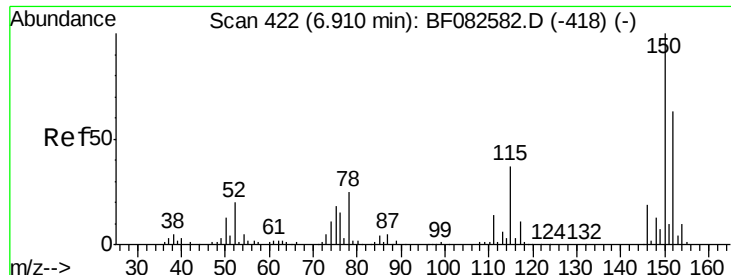
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

BNA_F

ClientSampleId :

PB86301BL

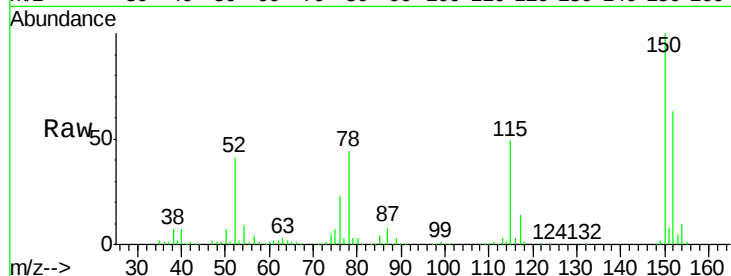
Tgt Ion:152 Resp: 182227

Ion Ratio Lower Upper

152 100

150 157.7 127.0 190.4

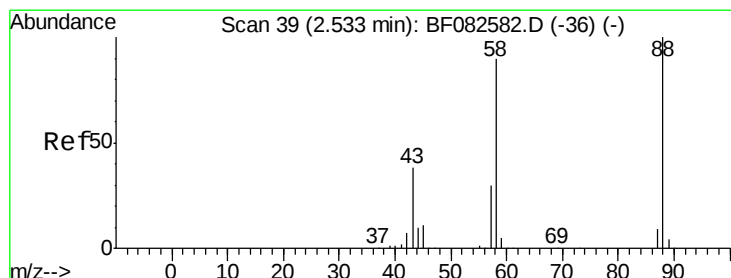
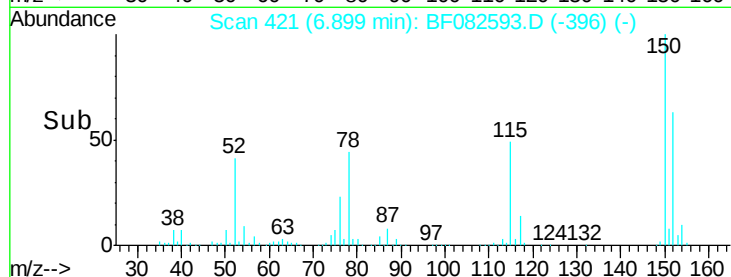
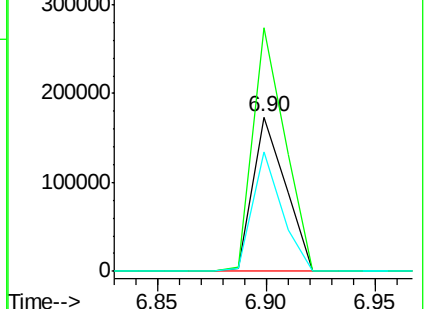
115 77.7 47.0 70.6#



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



#2

1,4-Dioxane

Concen: 0.15 ng

RT: 2.54 min Scan# 40

Delta R.T. 0.01 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

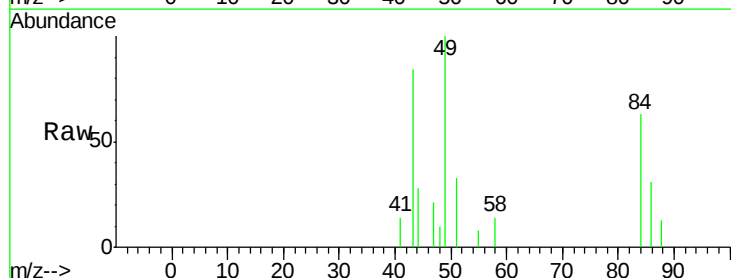
Tgt Ion: 88 Resp: 814

Ion Ratio Lower Upper

88 100

58 0.0 62.0 93.0#

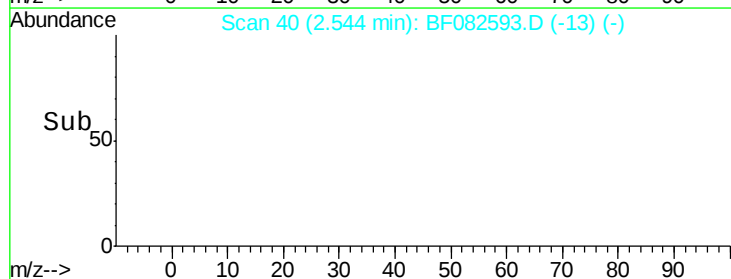
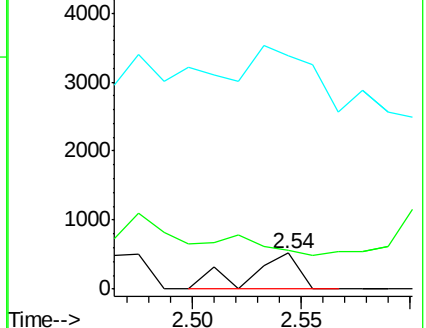
43 269.4 26.6 40.0#

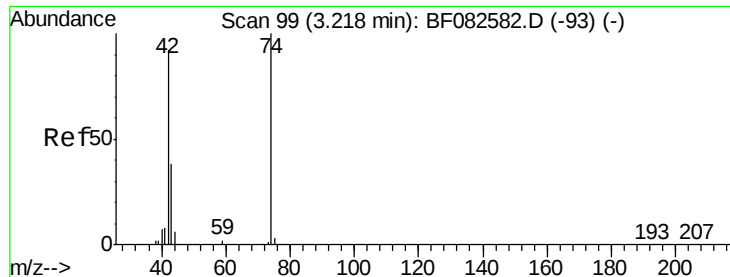


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.22 min Scan# 99

Delta R.T. -0.00 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

BNA_F

ClientSampleId :

PB86301BL

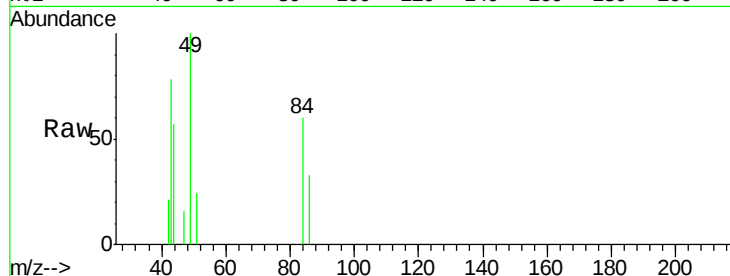
Tgt Ion: 42 Resp: 503

Ion Ratio Lower Upper

42 100

74 0.0 87.0 130.4#

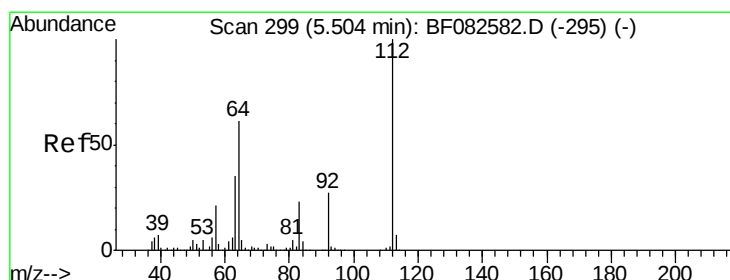
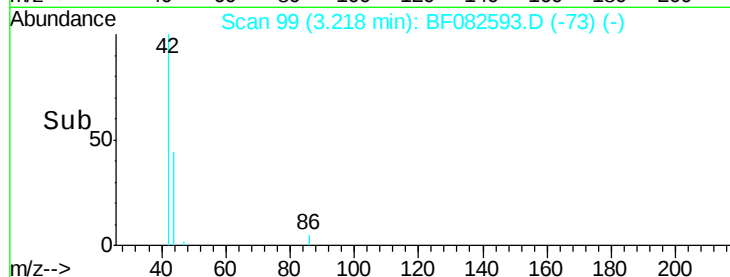
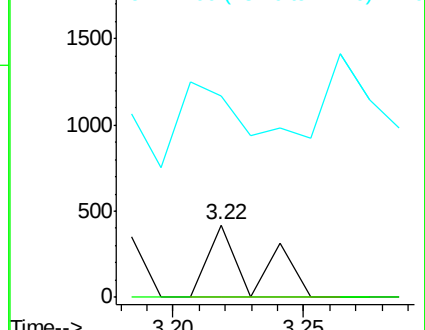
44 277.4 5.8 8.8#



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 108.14 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.01 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

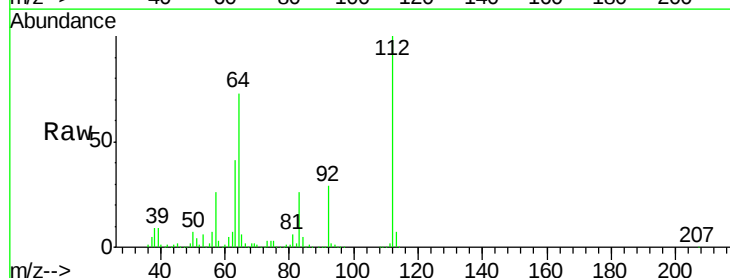
Tgt Ion: 112 Resp: 1308362

Ion Ratio Lower Upper

112 100

64 73.5 48.9 73.3#

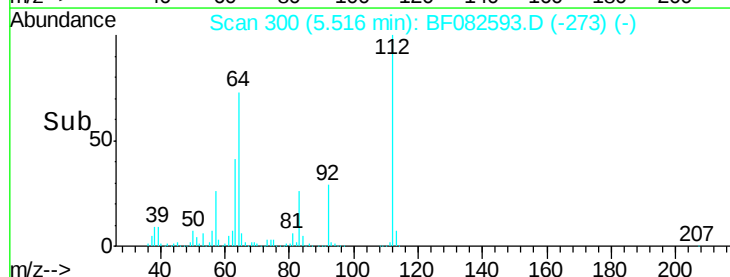
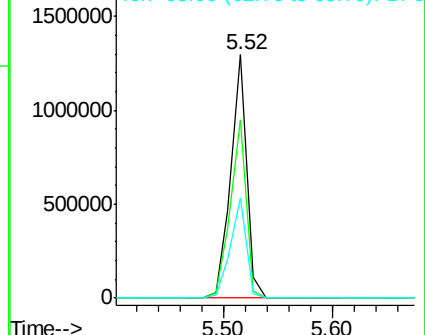
63 41.4 28.1 42.1

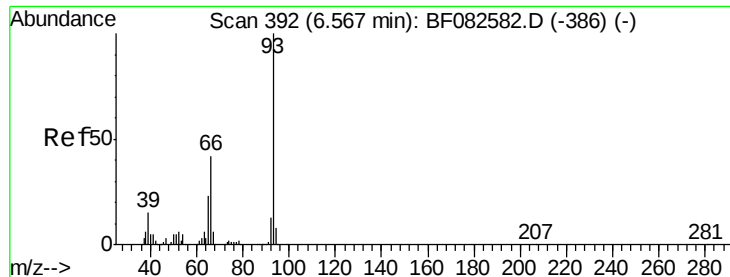


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.10 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.10 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

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PB86301BL

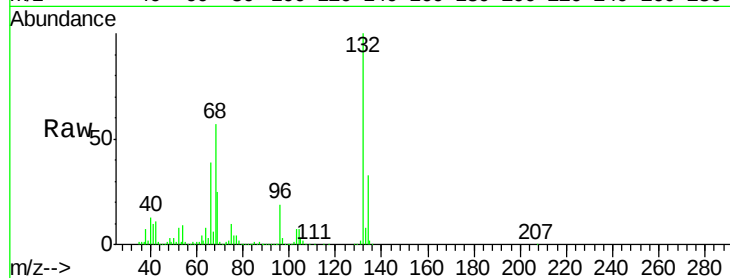
Tgt Ion: 93 Resp: 2257

Ion Ratio Lower Upper

93 100

66 20208.5 33.6 50.4#

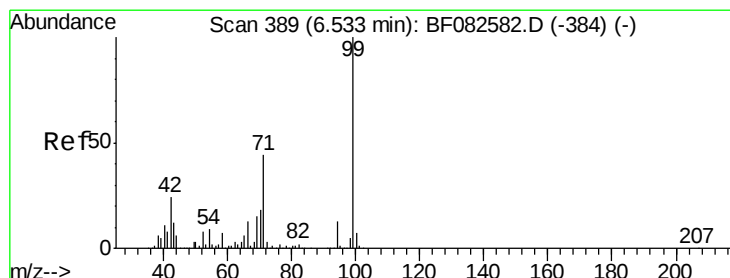
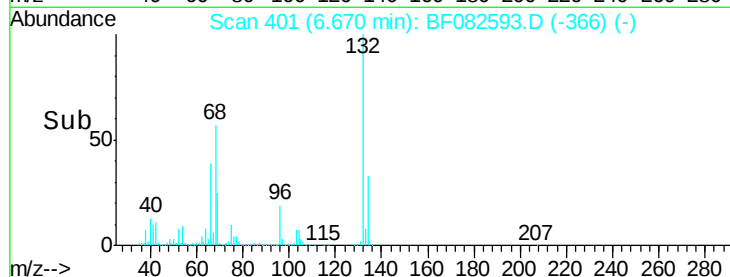
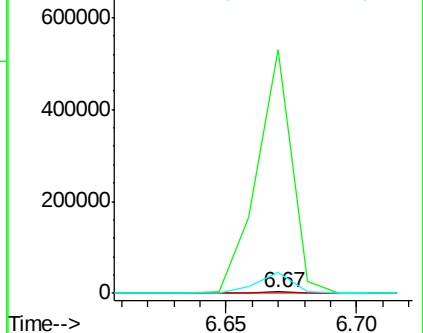
65 1690.3 18.1 27.1#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 121.01 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

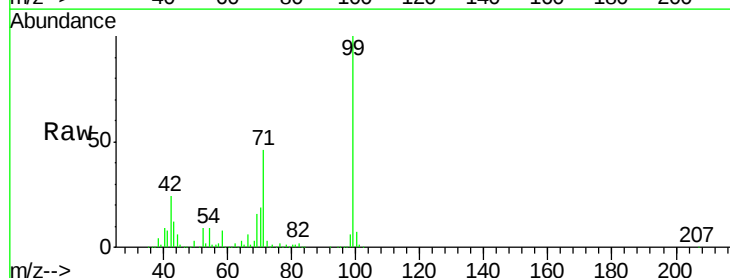
Tgt Ion: 99 Resp: 1945034

Ion Ratio Lower Upper

99 100

42 23.8 19.2 28.8

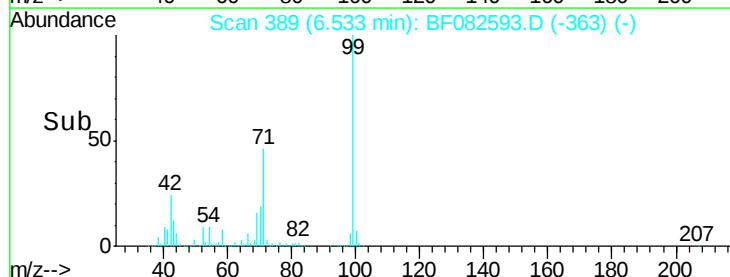
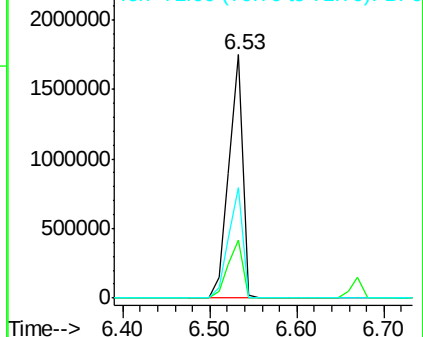
71 45.5 35.0 52.4

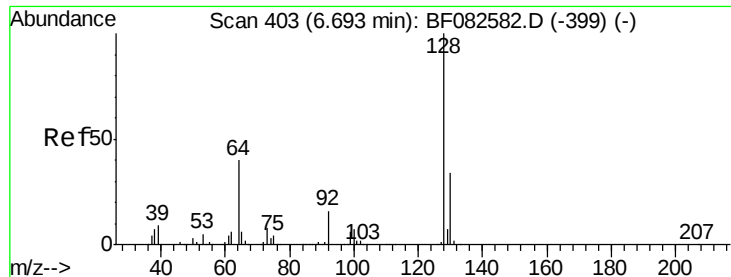


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 0.08 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

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ClientSampleId :

PB86301BL

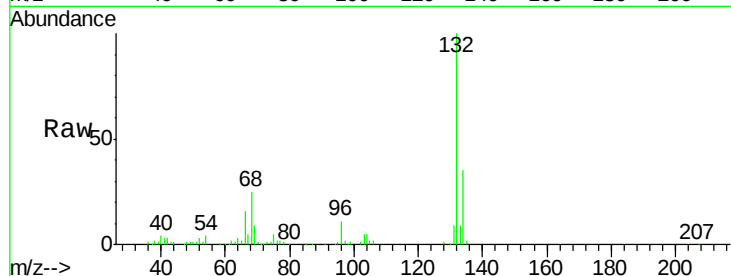
Tgt Ion:128 Resp: 1022

Ion Ratio Lower Upper

128 100

130 74.9 13.5 53.5#

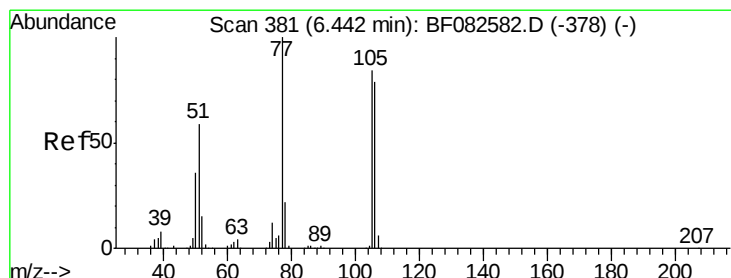
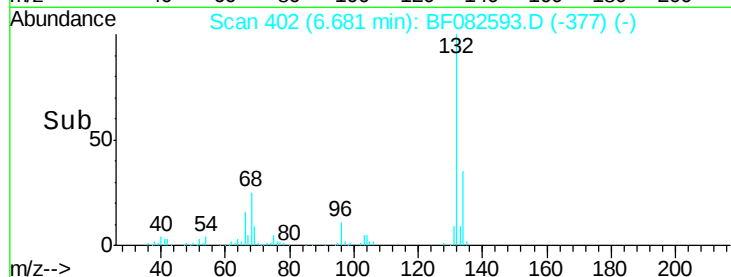
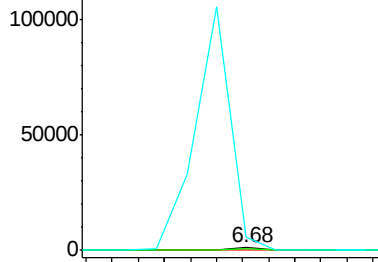
64 537.6 21.1 61.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 4.27 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.23 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

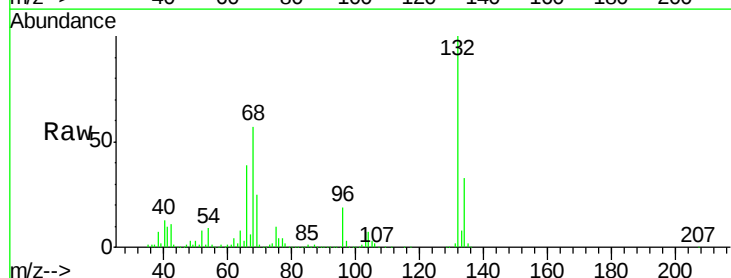
Tgt Ion: 77 Resp: 46859

Ion Ratio Lower Upper

77 100

105 69.2 63.5 103.5

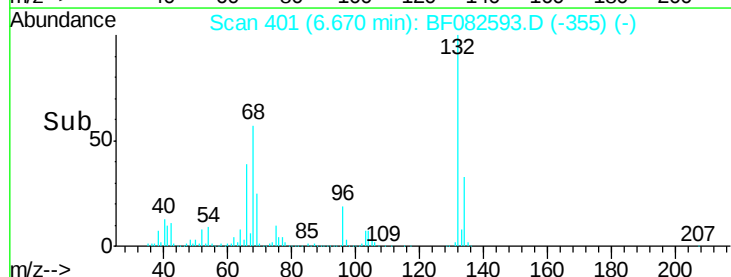
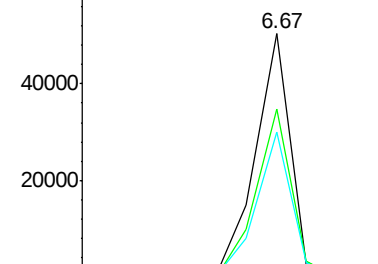
106 59.4 59.3 99.3

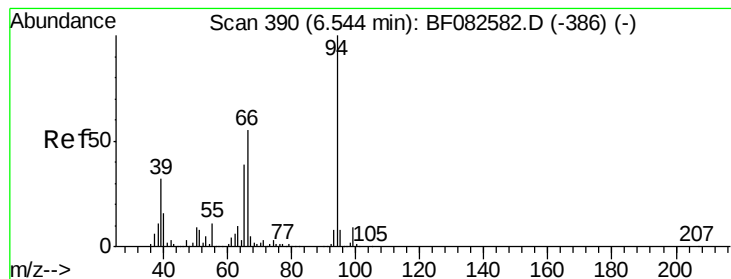


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.03 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

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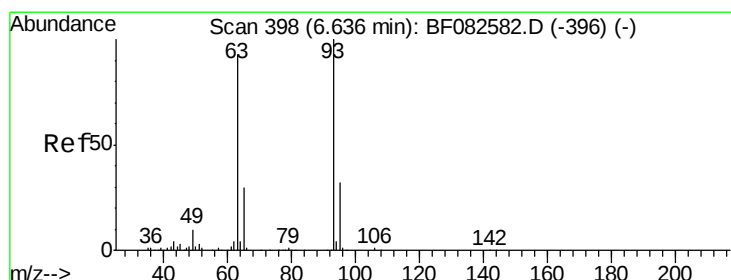
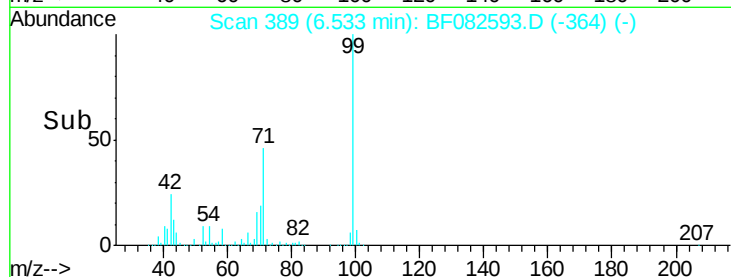
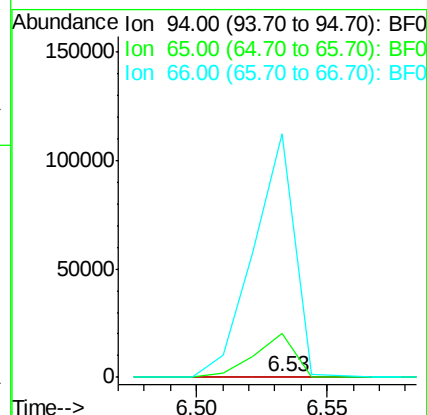
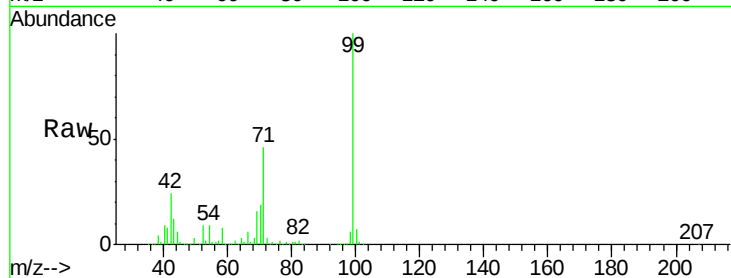
Tgt Ion: 94 Resp: 605

Ion Ratio Lower Upper

94 100

65 4095.1 18.9 58.9#

66 23018.0 34.9 74.9#



#11

bis(2-Chloroethyl)ether

Concen: 0.17 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.03 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

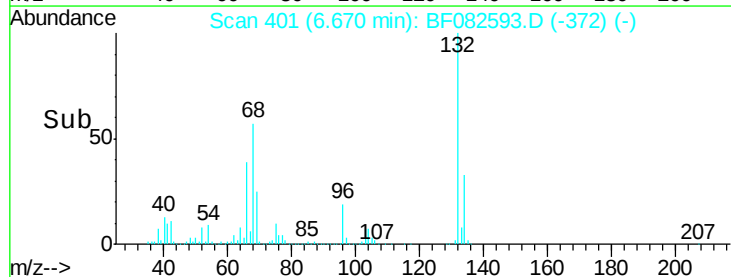
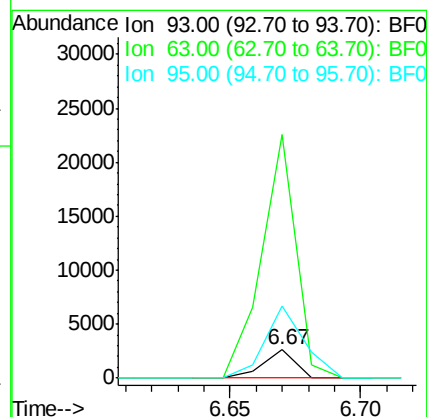
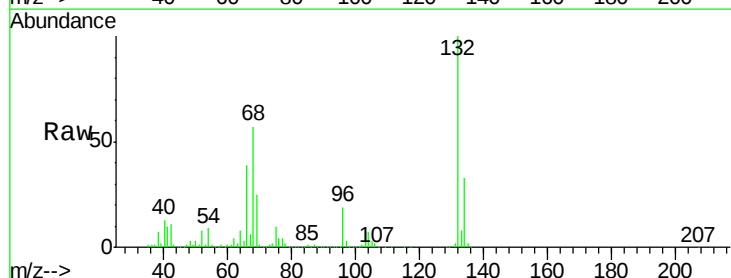
Tgt Ion: 93 Resp: 2257

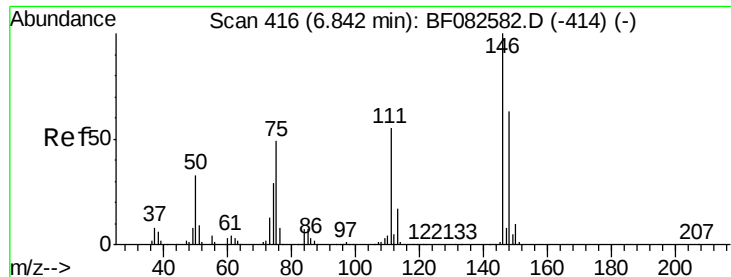
Ion Ratio Lower Upper

93 100

63 860.7 72.7 112.7#

95 255.8 12.0 52.0#





#12

1,3-Dichlorobenzene

Concen: 0.02 ng

RT: 7.06 min Scan# 435

Delta R.T. 0.22 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

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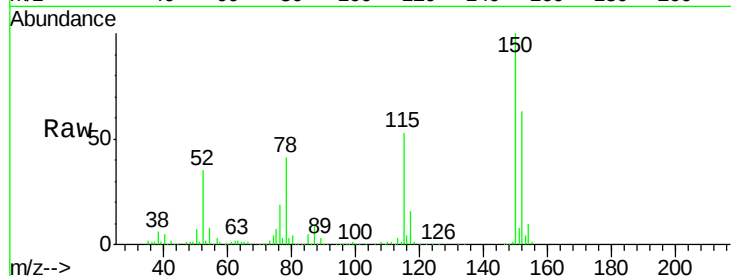
Tgt Ion:146 Resp: 293

Ion Ratio Lower Upper

146 100

148 558.8 50.5 75.7#

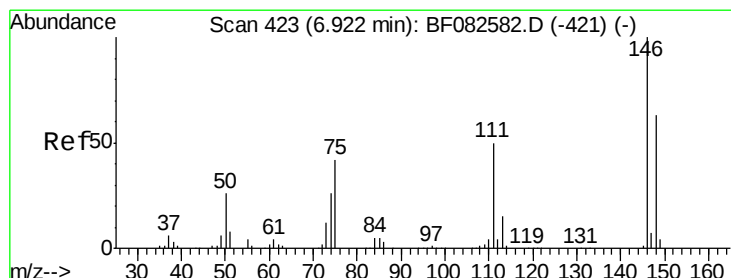
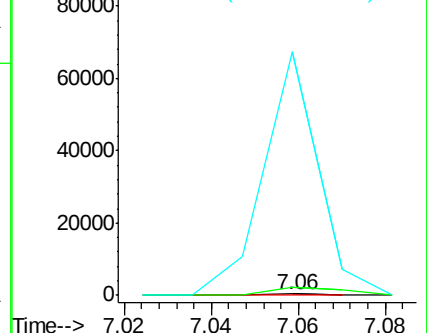
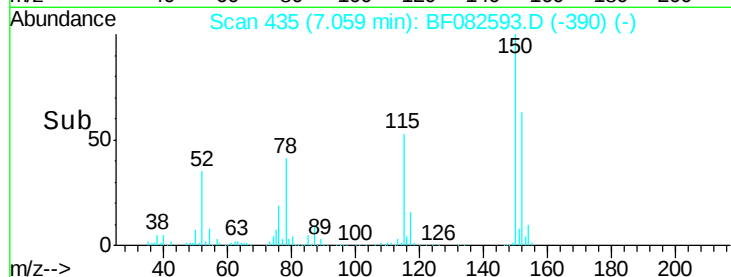
75 15769.6 39.5 59.3#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 0.02 ng

RT: 7.06 min Scan# 435

Delta R.T. 0.14 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

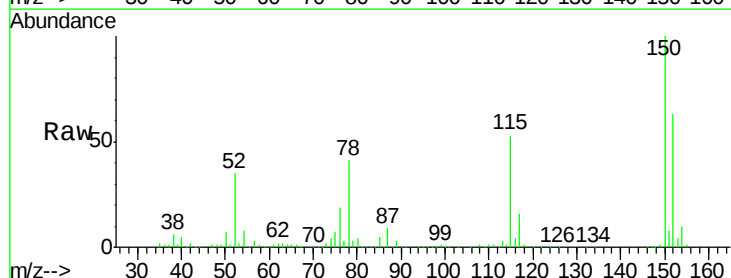
Tgt Ion:146 Resp: 293

Ion Ratio Lower Upper

146 100

148 558.8 50.8 76.2#

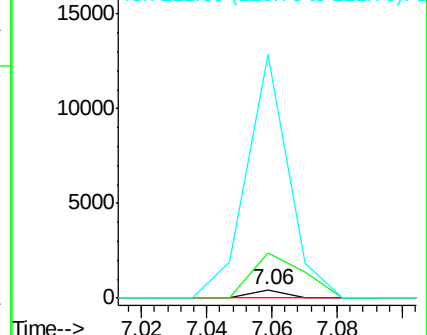
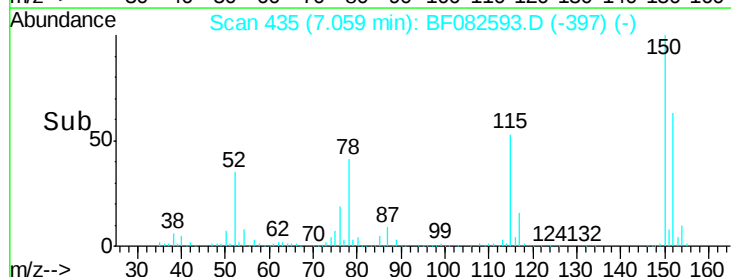
111 3012.2 40.6 60.8#

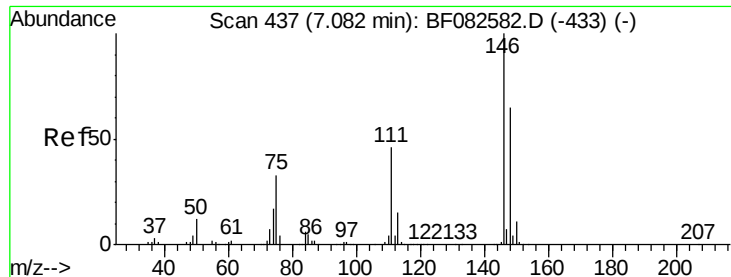


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 0.02 ng

RT: 7.06 min Scan# 435

Delta R.T. -0.02 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

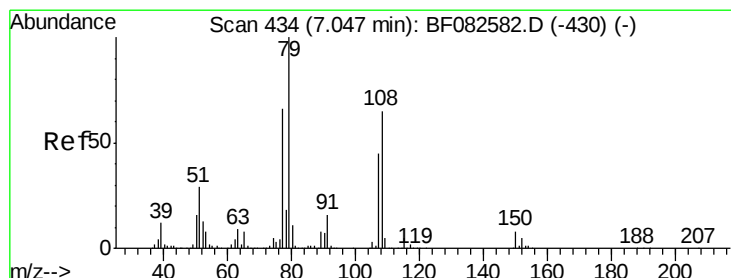
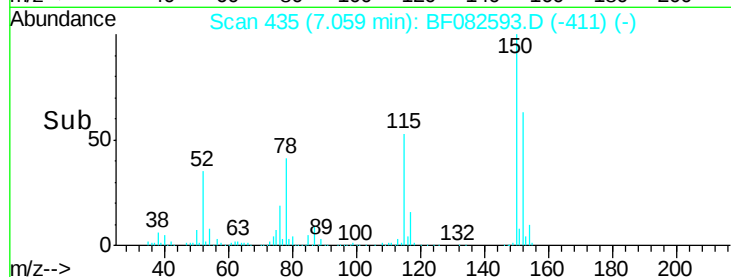
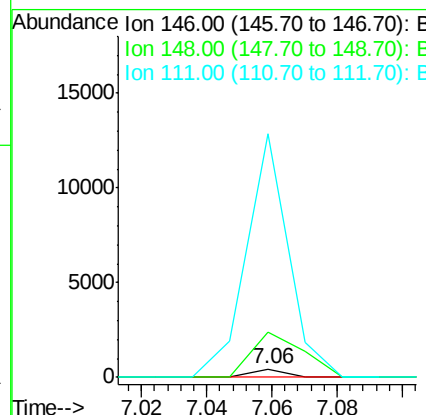
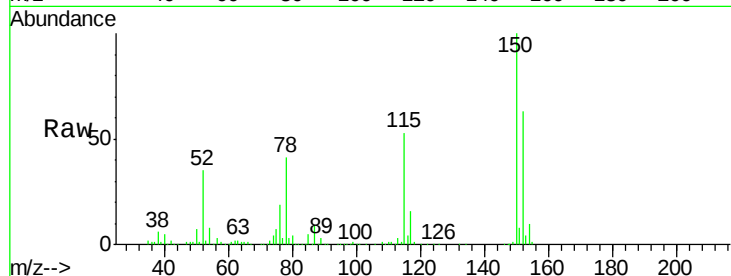
BNA_F

ClientSampleId :

PB86301BL

Tgt Ion:146 Resp: 293

Ion	Ratio	Lower	Upper
146	100		
148	558.8	52.2	78.4#
111	3012.2	36.6	55.0#



#15

Benzyl Alcohol

Concen: 1.52 ng

RT: 7.06 min Scan# 435

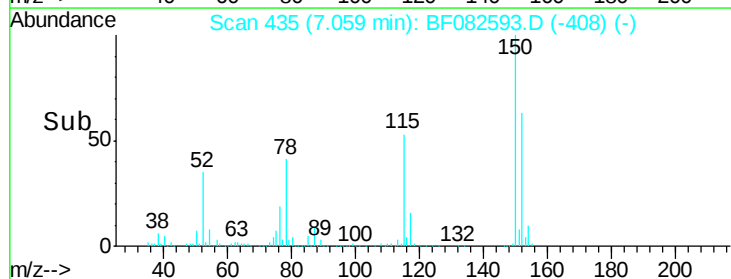
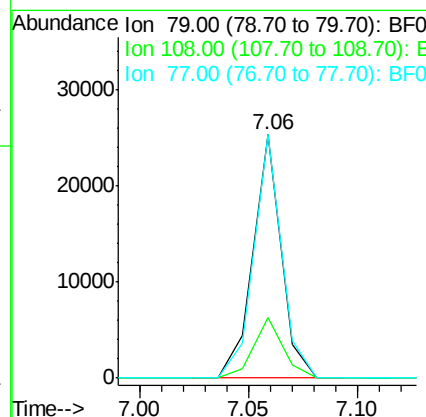
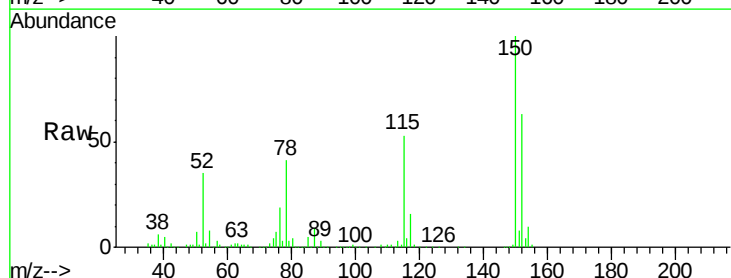
Delta R.T. 0.01 min

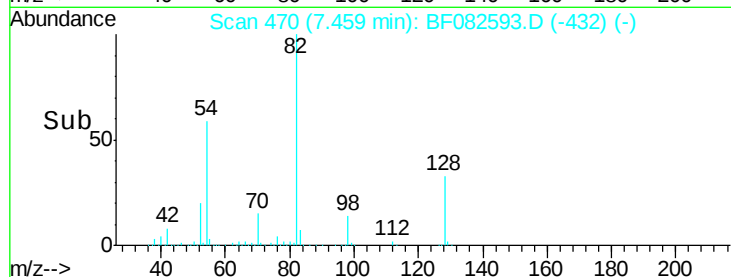
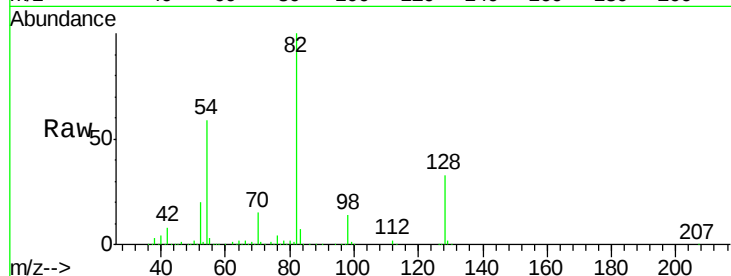
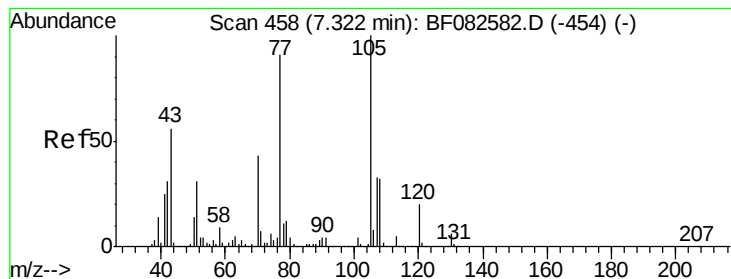
Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Tgt Ion: 79 Resp: 22791

Ion	Ratio	Lower	Upper
79	100		
108	25.1	52.2	78.4#
77	99.8	52.7	79.1#





#19

n-Nitroso-di-n-propylamine

Concen: 14.45 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

BNA_F

ClientSampleId :

PB86301BL

Tgt Ion: 70 Resp: 176107

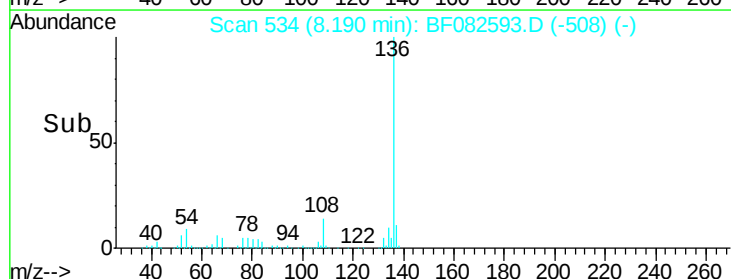
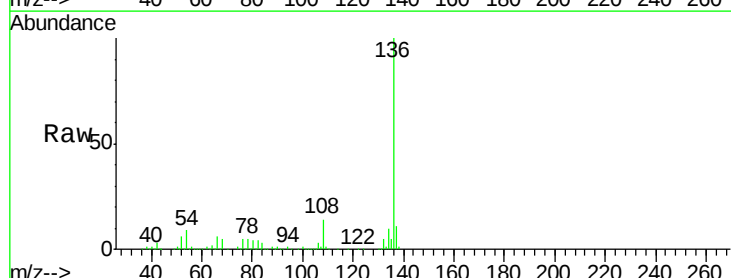
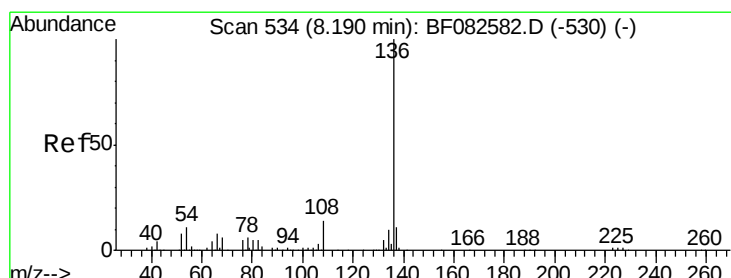
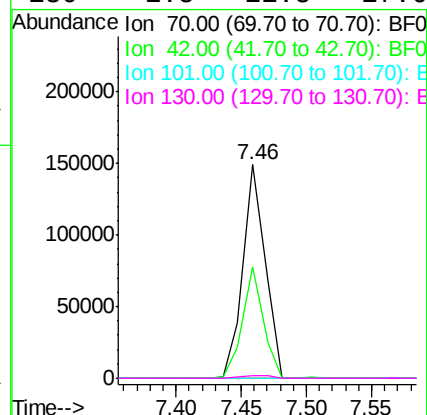
Ion Ratio Lower Upper

70 100

42 52.2 57.7 86.5#

101 0.0 7.0 10.6#

130 1.5 11.8 17.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Tgt Ion: 136 Resp: 723400

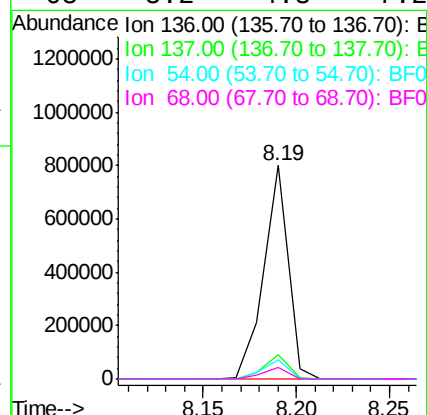
Ion Ratio Lower Upper

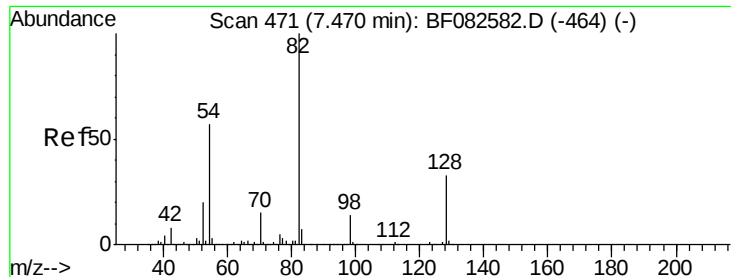
136 100

137 11.2 9.1 13.7

54 8.9 9.1 13.7#

68 5.2 4.8 7.2





#23

Nitrobenzene-d5

Concen: 70.00 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

BNA_F

ClientSampleId :

PB86301BL

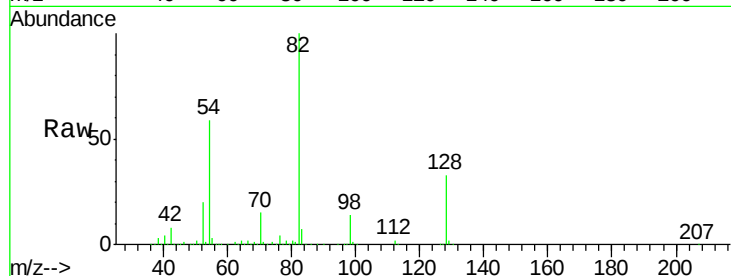
Tgt Ion: 82 Resp: 1240083

Ion Ratio Lower Upper

82 100

128 32.8 26.8 40.2

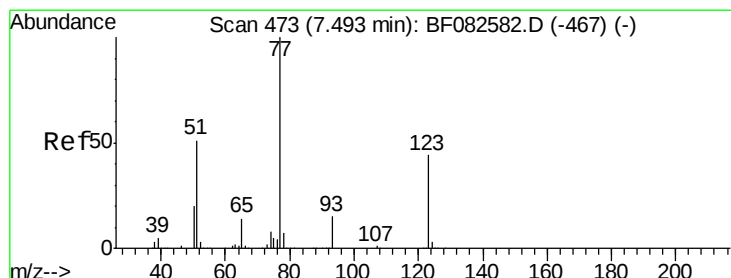
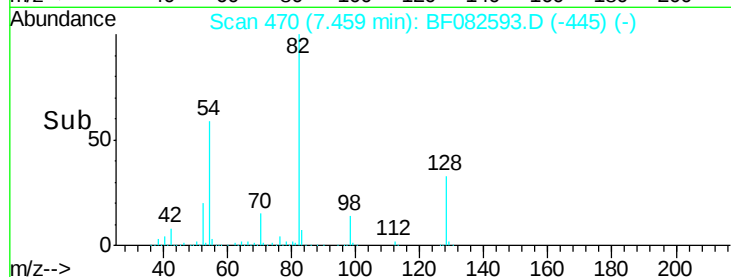
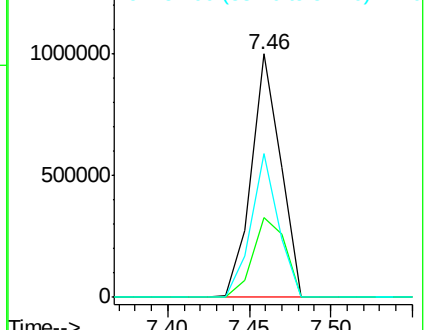
54 59.1 45.7 68.5



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 0.25 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.03 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

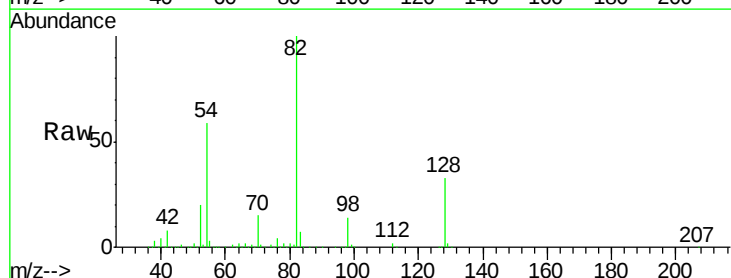
Tgt Ion: 77 Resp: 4404

Ion Ratio Lower Upper

77 100

123 0.0 36.4 54.6#

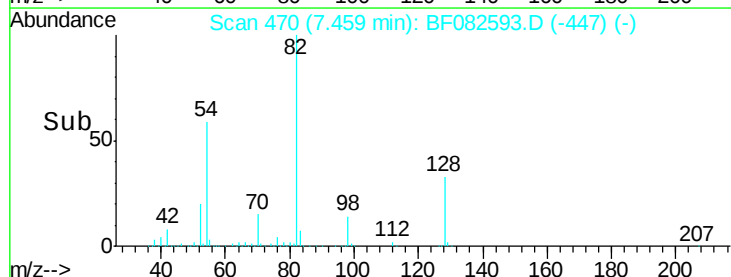
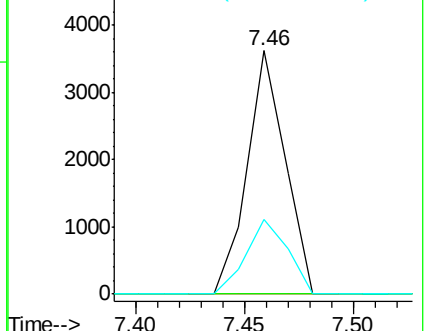
65 30.9 11.5 17.3#

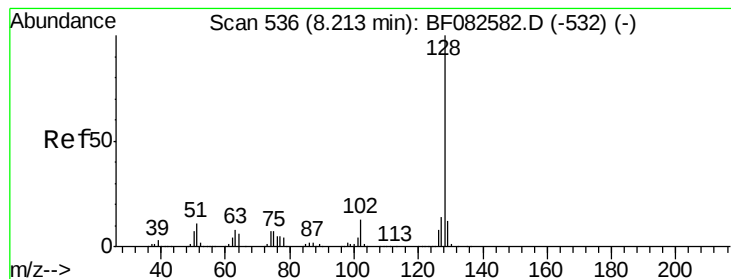


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#31

Naphthalene

Concen: 0.01 ng

RT: 8.32 min Scan# 545

Delta R.T. 0.10 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

BNA_F

ClientSampleId :

PB86301BL

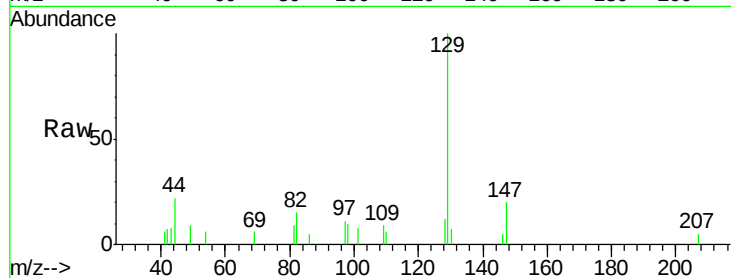
Tgt Ion:128 Resp: 536

Ion Ratio Lower Upper

128 100

129 838.9 9.5 14.3#

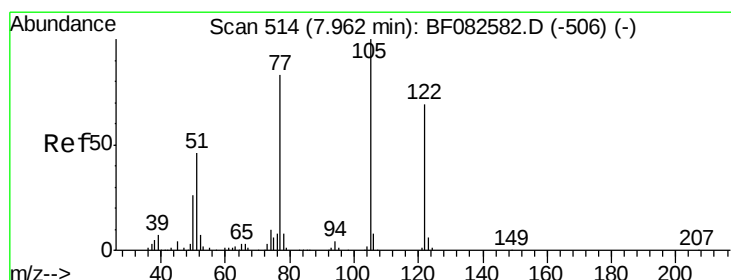
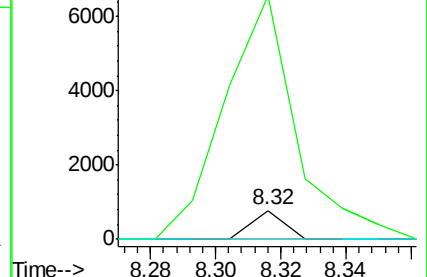
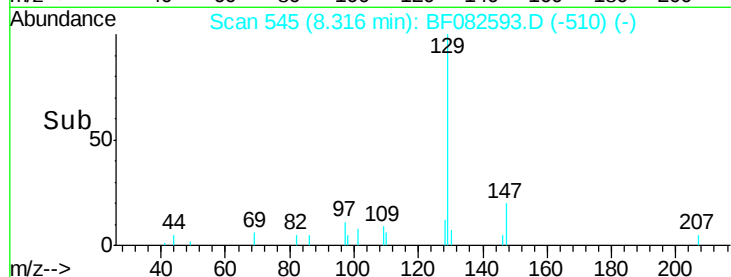
127 0.0 11.4 17.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 0.03 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.23 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

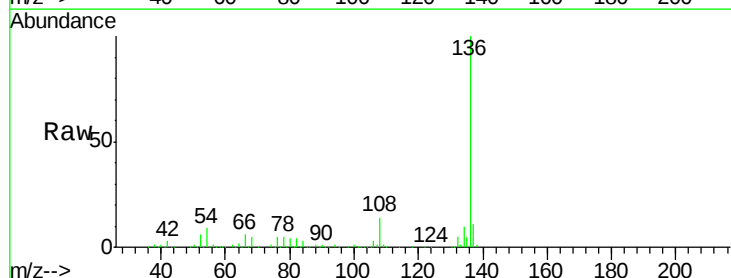
Tgt Ion:122 Resp: 257

Ion Ratio Lower Upper

122 100

105 224.5 122.6 162.6#

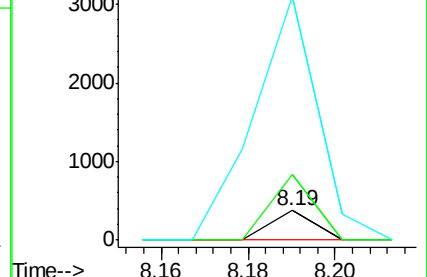
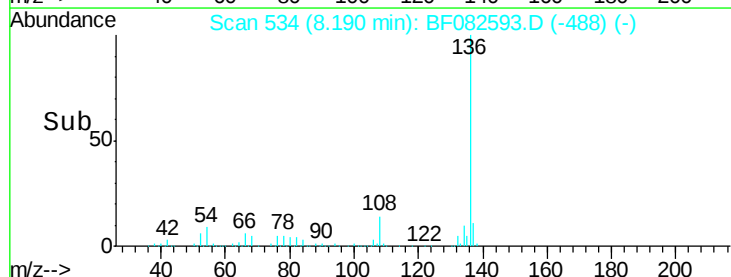
77 826.1 100.9 140.9#

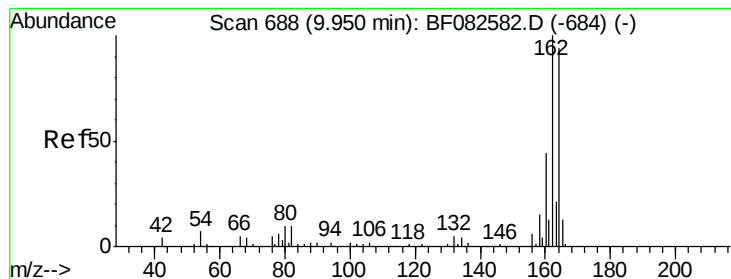


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

BNA_F

ClientSampleId :

PB86301BL

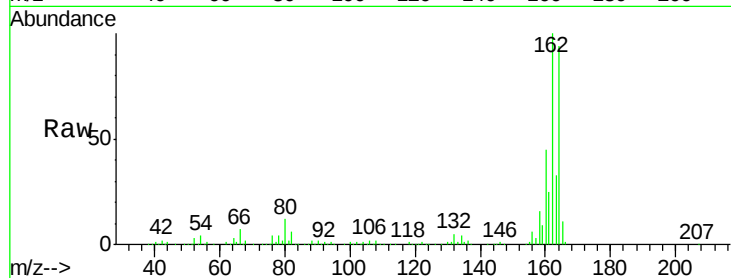
Tgt Ion:164 Resp: 371938

Ion Ratio Lower Upper

164 100

162 106.6 84.9 127.3

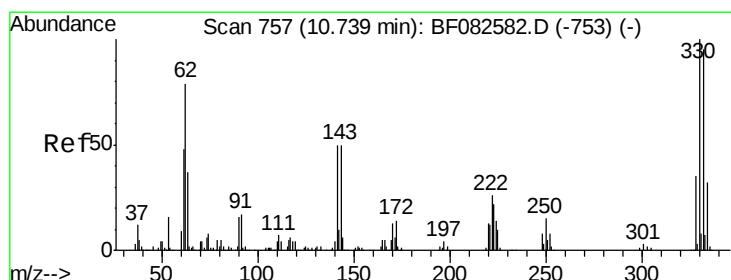
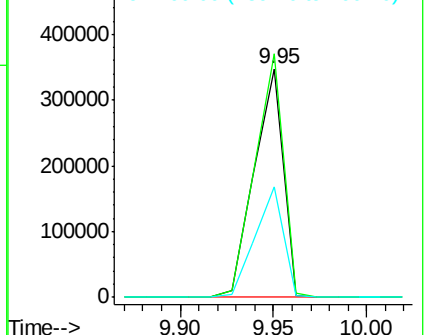
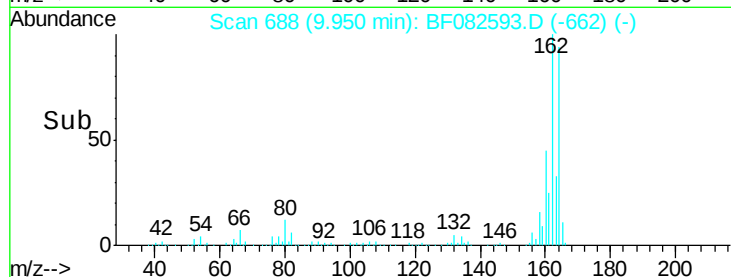
160 48.3 37.5 56.3



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: 135.42 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

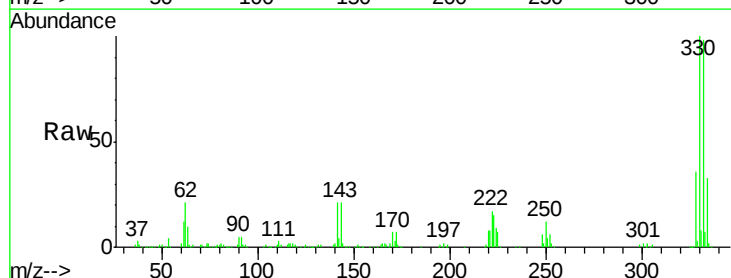
Tgt Ion:330 Resp: 551241

Ion Ratio Lower Upper

330 100

332 97.2 76.6 114.8

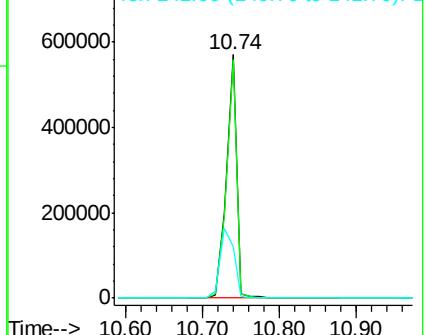
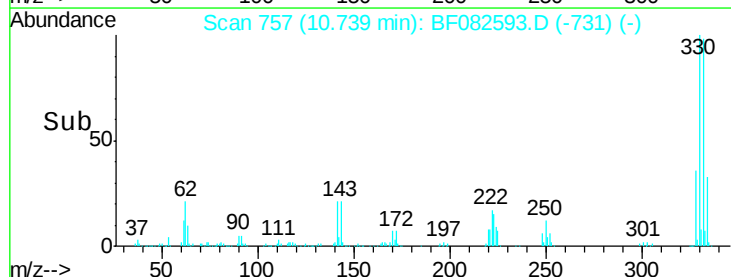
141 38.0 41.2 61.8#

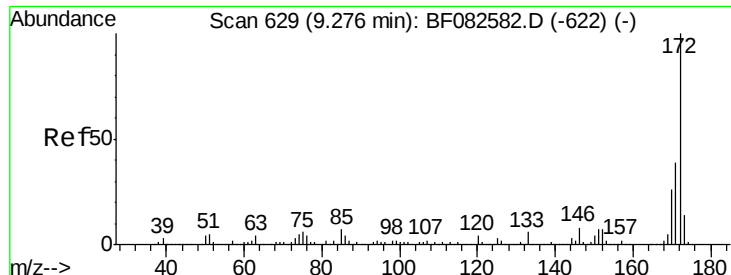


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

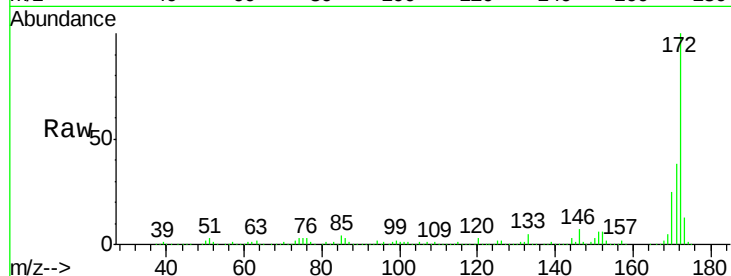




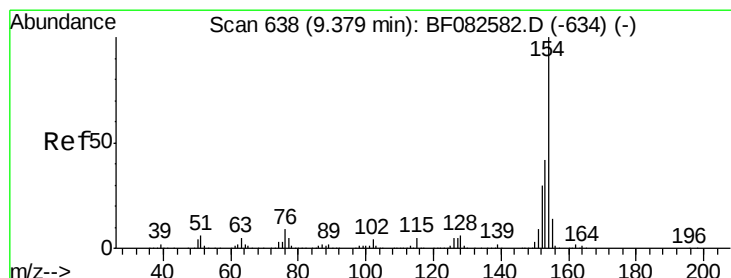
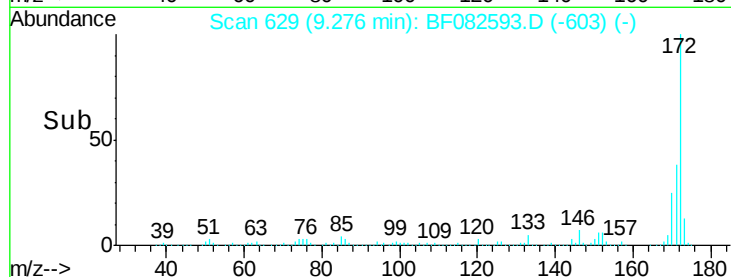
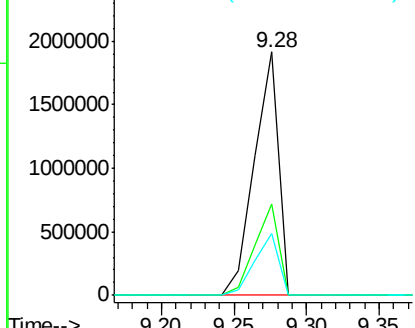
#44
2-Fluorobiphenyl
Concen: 84.27 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.00 min
Lab File: BF082593.D
Acq: 31 Oct 2015 1:32

Instrument :
BNA_F
ClientSampleId :
PB86301BL

Tgt Ion:172 Resp: 2207501
Ion Ratio Lower Upper
172 100
171 37.5 30.8 46.2
170 25.4 21.2 31.8

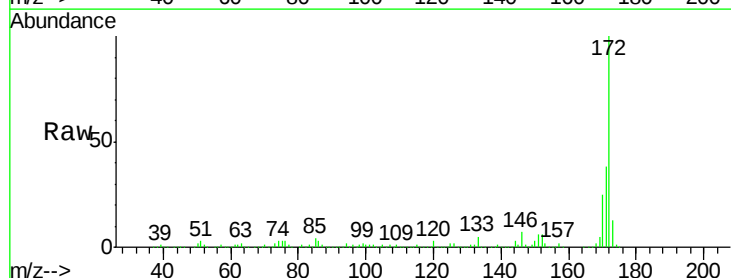


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

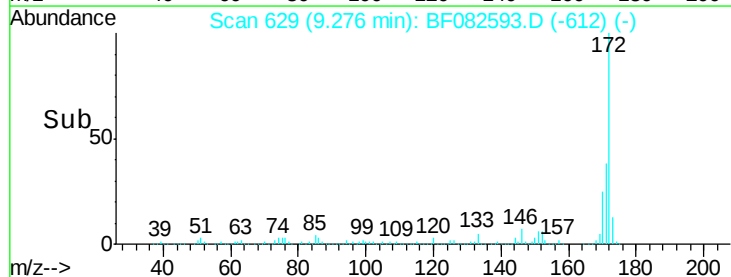
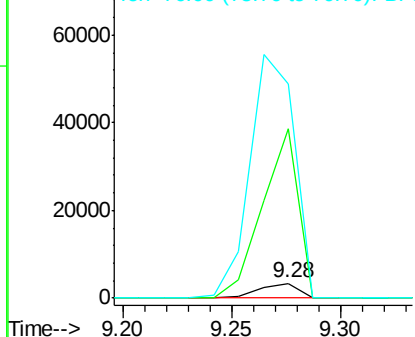


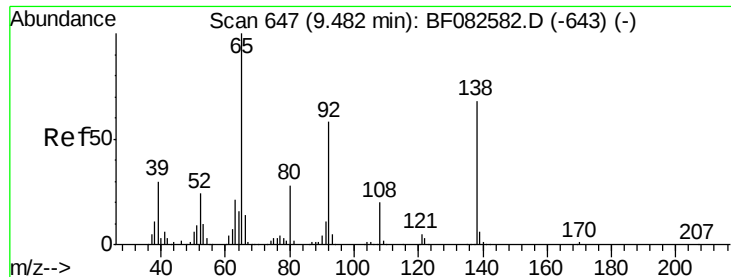
#45
1,1'-Biphenyl
Concen: 0.14 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.10 min
Lab File: BF082593.D
Acq: 31 Oct 2015 1:32

Tgt Ion:154 Resp: 4296
Ion Ratio Lower Upper
154 100
153 1166.1 22.0 62.0#
76 1477.3 0.0 29.0#



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: 0.49 ng

RT: 9.26 min Scan# 628

Delta R.T. -0.22 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

BNA_F

ClientSampleId :

PB86301BL

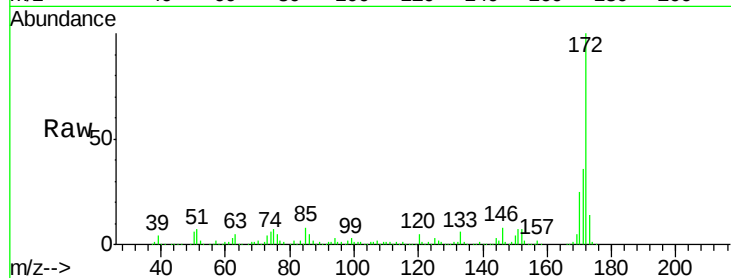
Tgt Ion: 65 Resp: 4718

Ion Ratio Lower Upper

65 100

92 198.0 46.6 70.0#

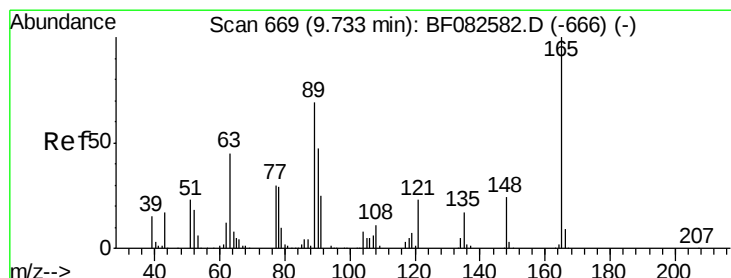
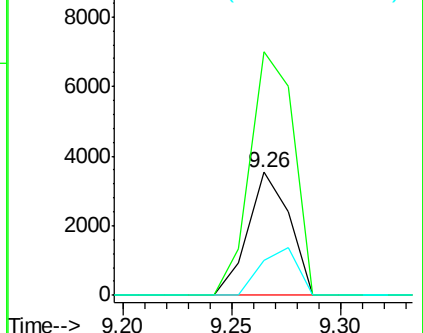
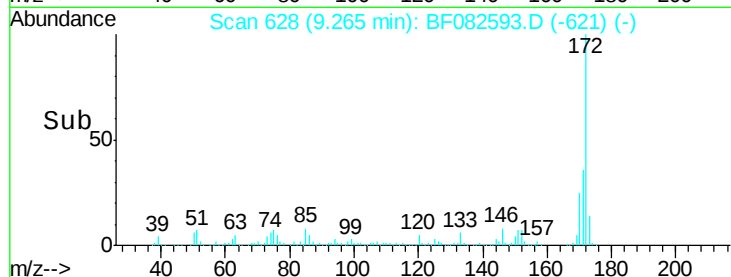
138 28.7 54.6 81.8#



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): BF0



#50

2,6-Dinitrotoluene

Concen: 7.16 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.22 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

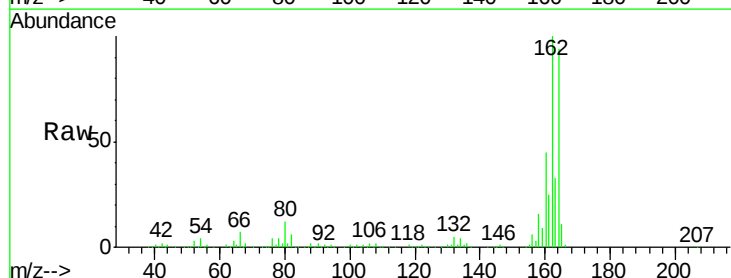
Tgt Ion: 165 Resp: 45071

Ion Ratio Lower Upper

165 100

63 1.5 55.5 83.3#

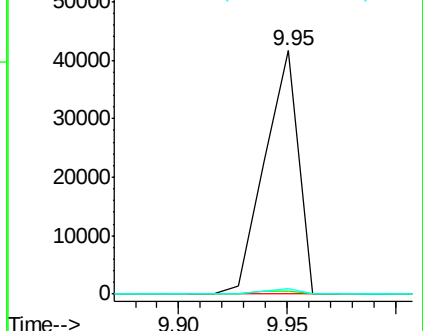
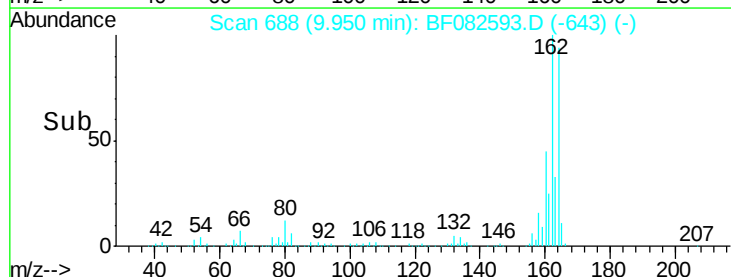
89 2.4 55.0 82.6#

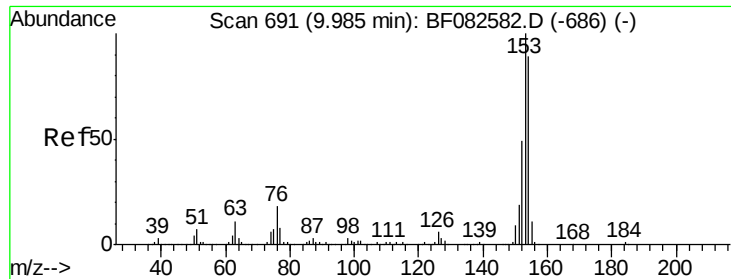


Abundance Ion 165.00 (164.70 to 165.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.06 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.03 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

BNA_F

ClientSampleId :

PB86301BL

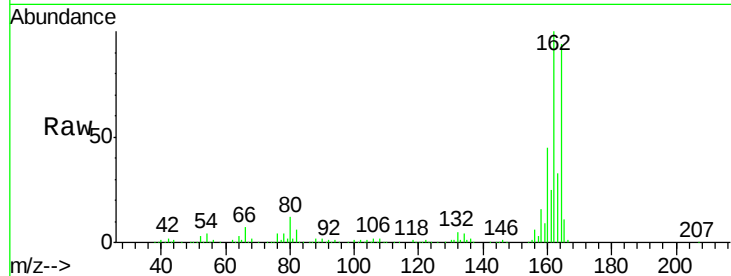
Tgt Ion:154 Resp: 1469

Ion Ratio Lower Upper

154 100

153 0.0 90.1 135.1#

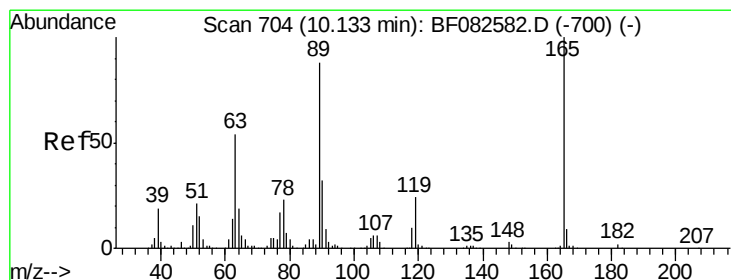
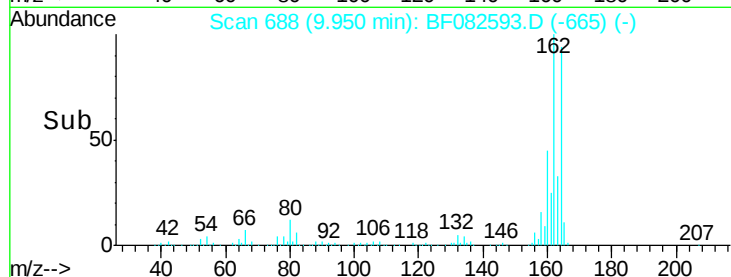
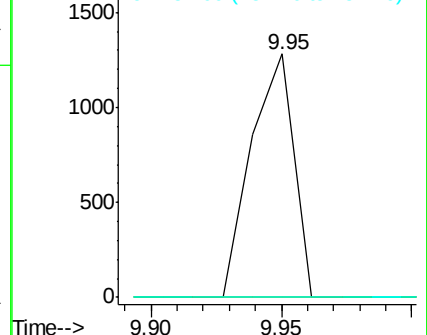
152 0.0 44.3 66.5#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 5.29 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.18 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Tgt Ion:165 Resp: 45071

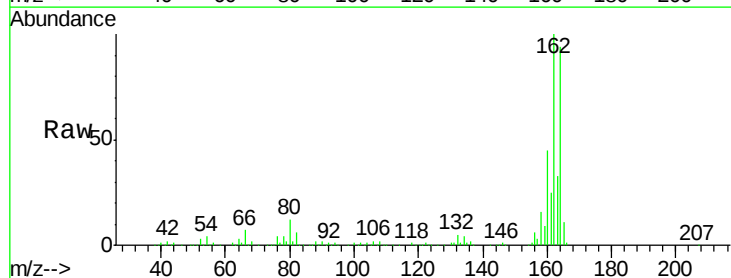
Ion Ratio Lower Upper

165 100

63 1.5 43.4 65.0#

89 2.4 70.6 106.0#

182 0.0 1.5 2.3#

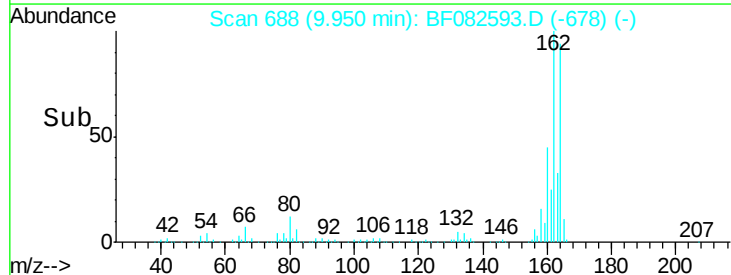
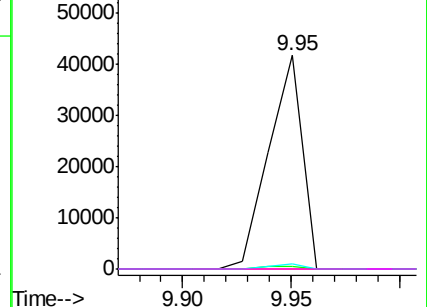


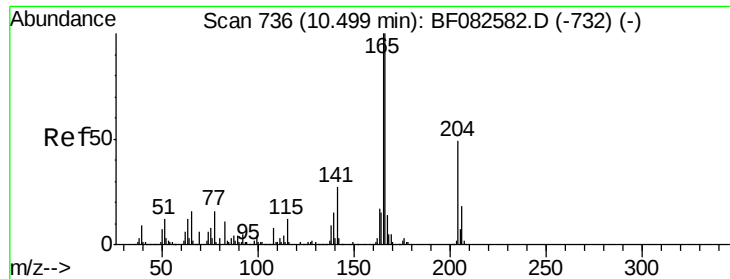
Abundance Ion 165.00 (164.70 to 165.70): E

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

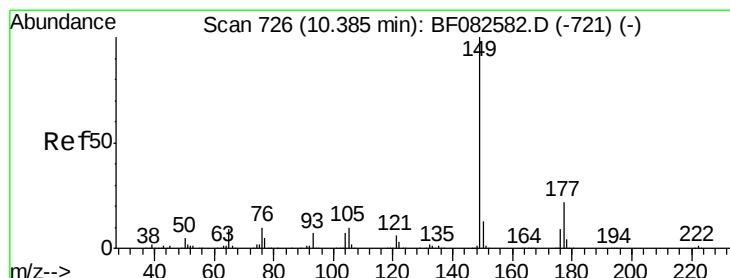
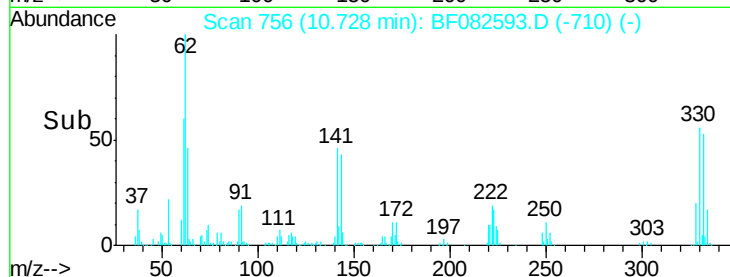
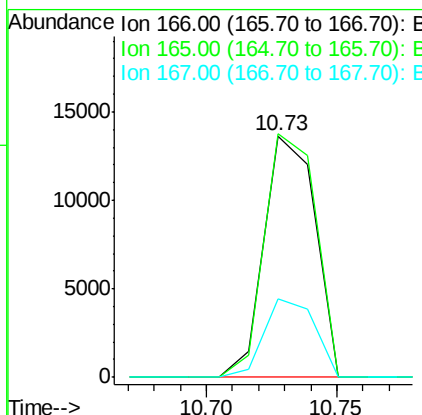
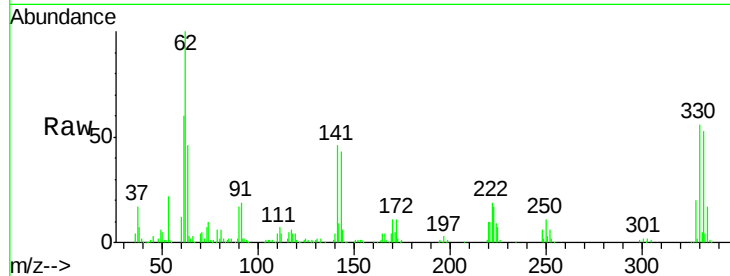




#57
 Fluorene
 Concen: 0.68 ng
 RT: 10.73 min Scan# 756
 Delta R.T. 0.23 min
 Lab File: BF082593.D
 Acq: 31 Oct 2015 1:32

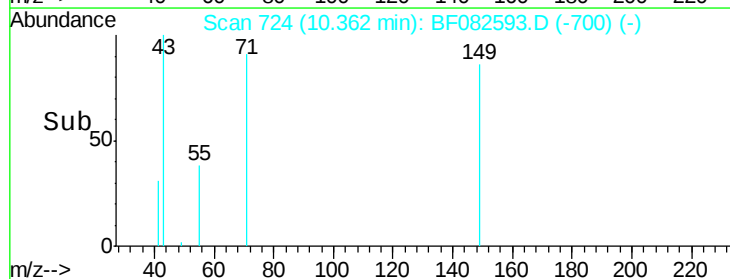
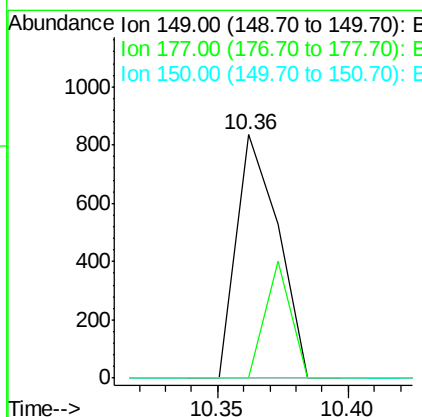
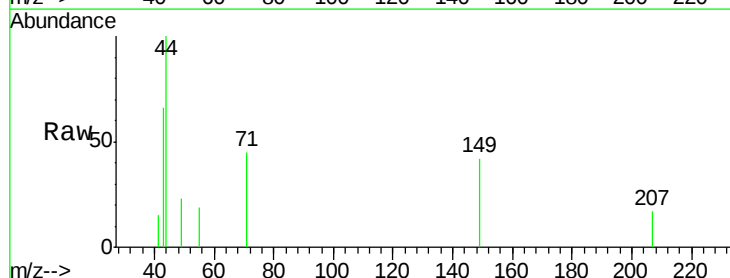
Instrument :
 BNA_F
 ClientSampleId :
 PB86301BL

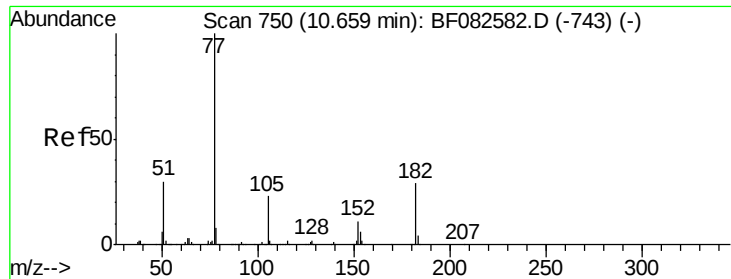
Tgt Ion:166 Resp: 18602
 Ion Ratio Lower Upper
 166 100
 165 100.9 80.2 120.4
 167 32.7 11.2 16.8#



#59
 Diethylphthalate
 Concen: 0.03 ng
 RT: 10.36 min Scan# 724
 Delta R.T. -0.02 min
 Lab File: BF082593.D
 Acq: 31 Oct 2015 1:32

Tgt Ion:149 Resp: 935
 Ion Ratio Lower Upper
 149 100
 177 0.0 17.9 26.9#
 150 0.0 10.1 15.1#





#62

Azobenzene

Concen: 0.09 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.07 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

BNA_F

ClientSampleId :

PB86301BL

Tgt Ion: 77 Resp: 3202

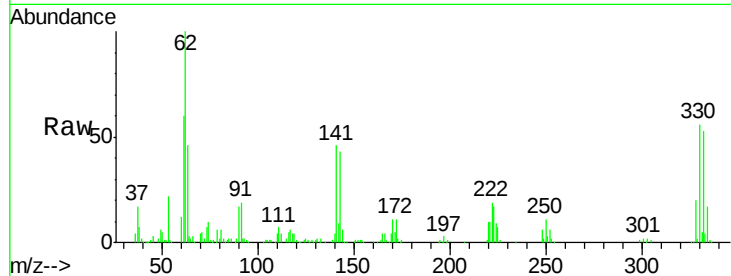
Ion Ratio Lower Upper

77 100

182 0.0 9.3 49.3#

105 82.7 2.6 42.6#

51 94.4 9.9 49.9#

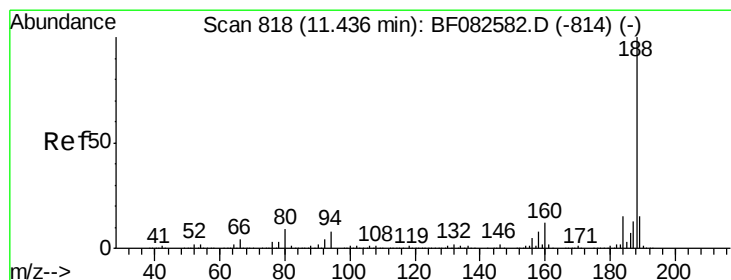
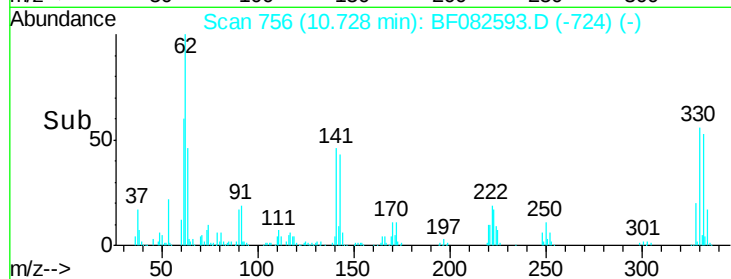
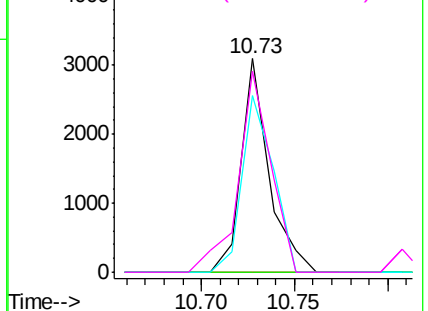


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

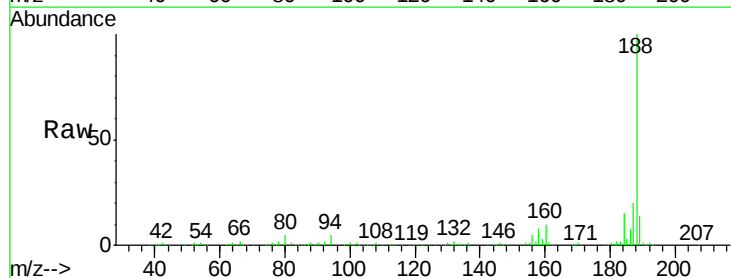
Tgt Ion: 188 Resp: 689109

Ion Ratio Lower Upper

188 100

94 4.8 6.1 9.1#

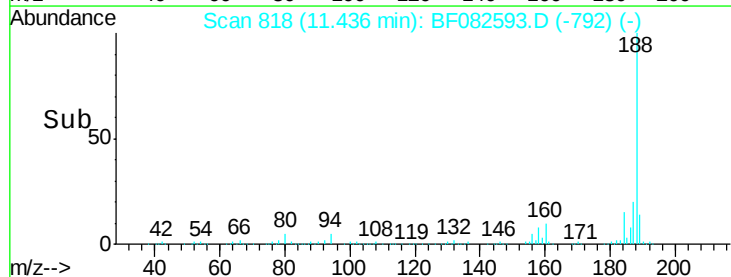
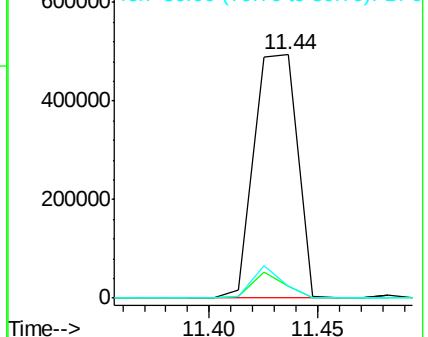
80 4.8 7.0 10.6#

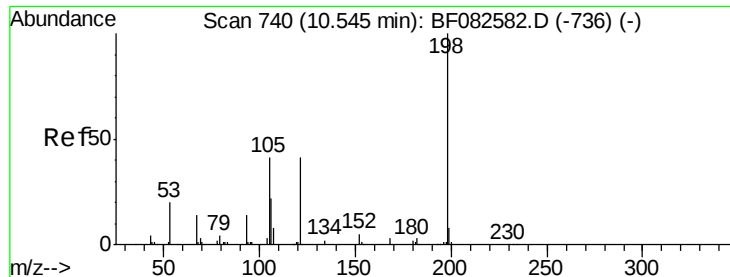


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

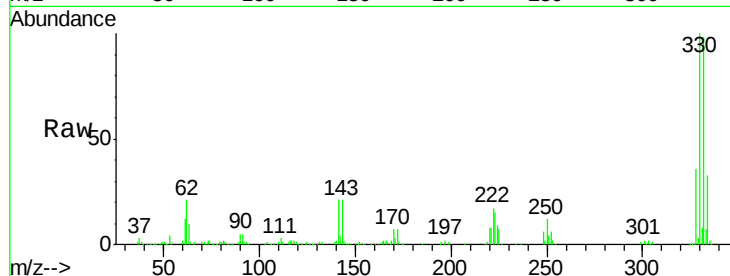




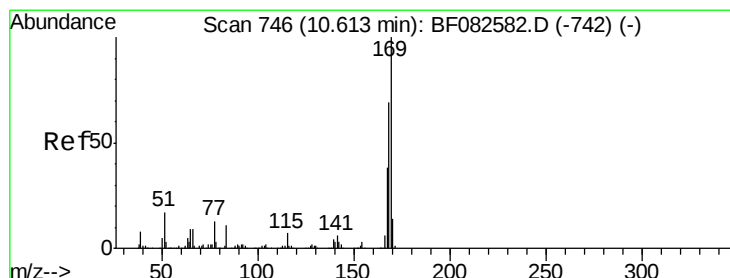
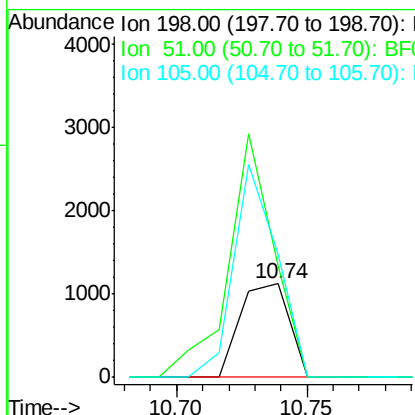
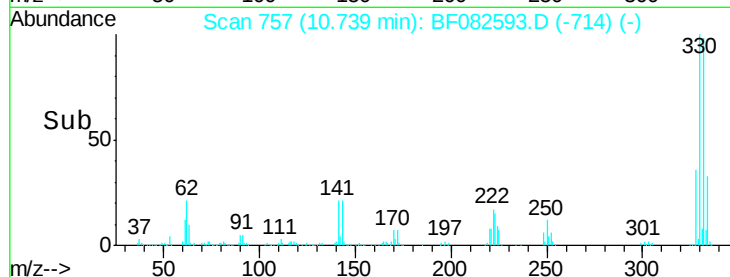
#64
 4,6-Dinitro-2-methylphenol
 Concen: 0.36 ng
 RT: 10.74 min Scan# 757
 Delta R.T. 0.19 min
 Lab File: BF082593.D
 Acq: 31 Oct 2015 1:32

Instrument :
 BNA_F
 ClientSampleId :
 PB86301BL

Tgt Ion:198 Resp: 1479
 Ion Ratio Lower Upper
 198 100
 51 119.1 17.3 57.3#
 105 131.7 21.7 61.7#

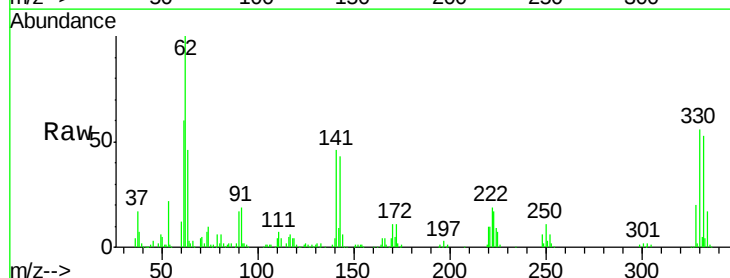


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

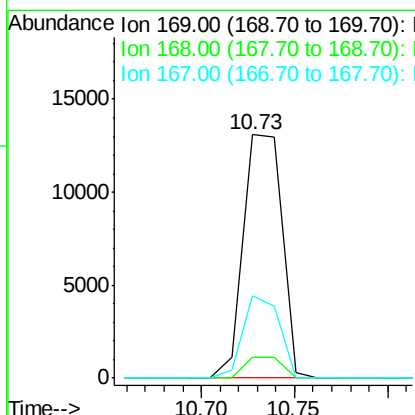
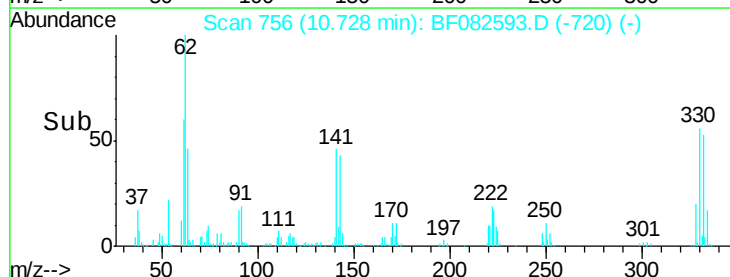


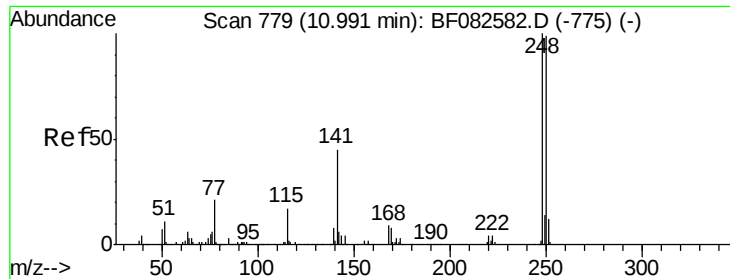
#65
 n-Nitrosodiphenylamine
 Concen: 0.80 ng
 RT: 10.73 min Scan# 756
 Delta R.T. 0.11 min
 Lab File: BF082593.D
 Acq: 31 Oct 2015 1:32

Tgt Ion:169 Resp: 18869
 Ion Ratio Lower Upper
 169 100
 168 8.5 55.0 82.6#
 167 34.1 30.5 45.7



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: 4.81 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.25 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

BNA_F

ClientSampleId :

PB86301BL

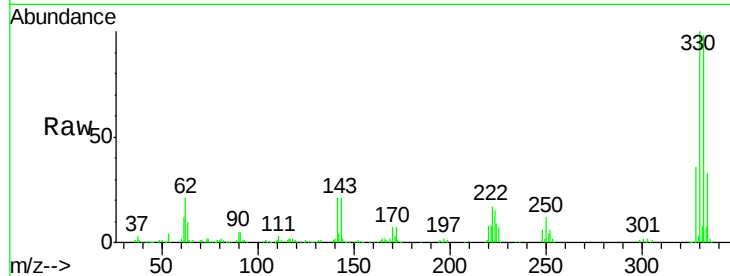
Tgt Ion:248 Resp: 37535

Ion Ratio Lower Upper

248 100

250 200.0 79.4 119.2#

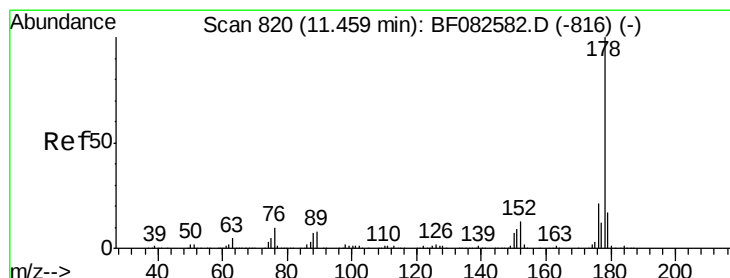
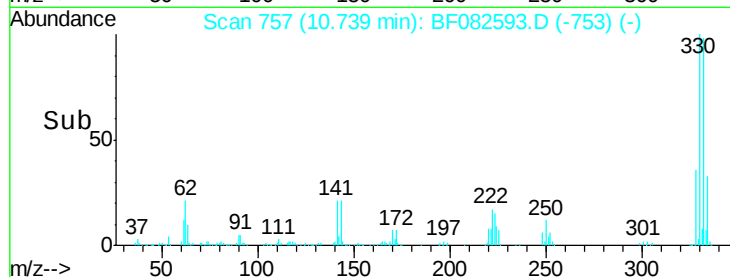
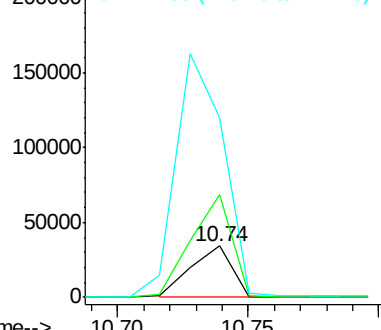
141 350.1 36.3 54.5#



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



#70

Phenanthrene

Concen: 0.01 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

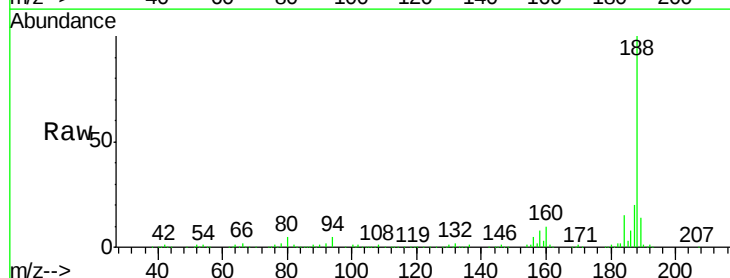
Tgt Ion:178 Resp: 213

Ion Ratio Lower Upper

178 100

176 0.0 17.0 25.4#

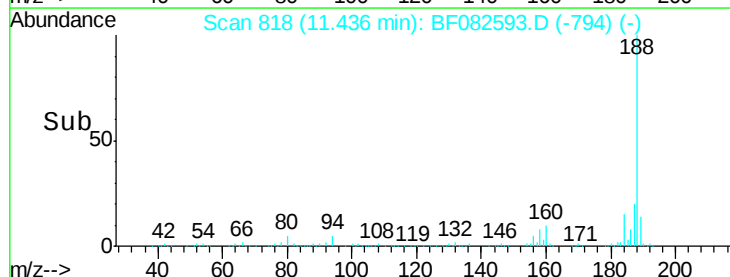
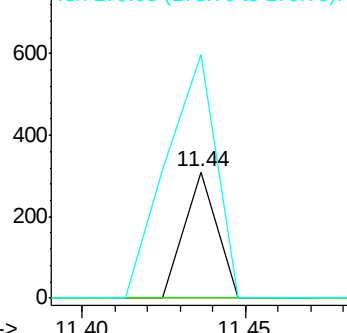
179 192.9 13.4 20.0#

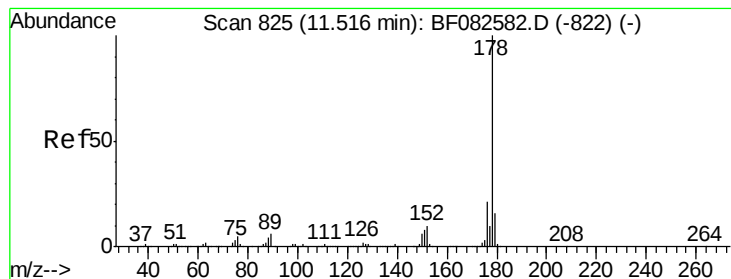


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 0.01 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.08 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

BNA_F

ClientSampleId :

PB86301BL

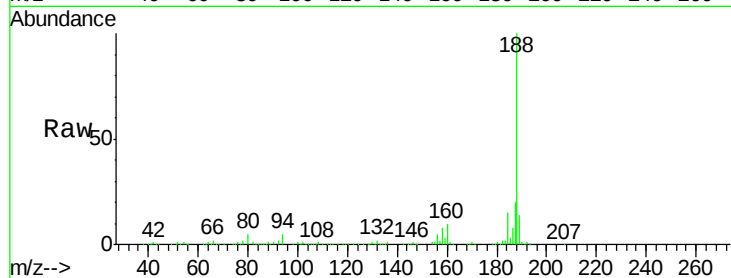
Tgt Ion:178 Resp: 213

Ion Ratio Lower Upper

178 100

176 0.0 16.5 24.7#

179 192.9 13.2 19.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

800

600

400

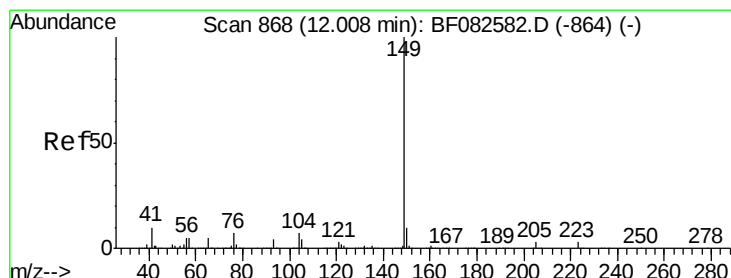
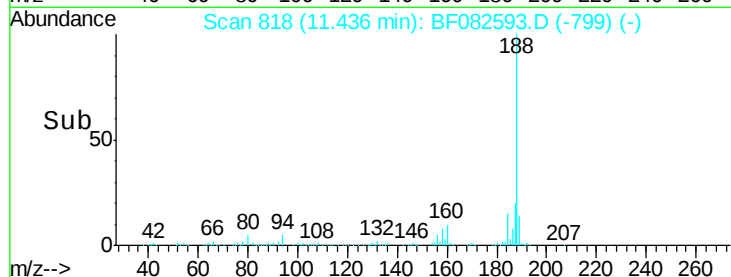
200

0

11.44

11.45

Time-->



#73

Di-n-butylphthalate

Concen: 0.05 ng

RT: 12.00 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

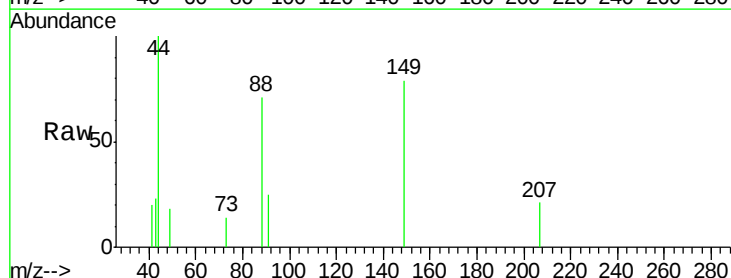
Tgt Ion:149 Resp: 2306

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

104 0.0 5.2 7.8#



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

2500

2000

1500

1000

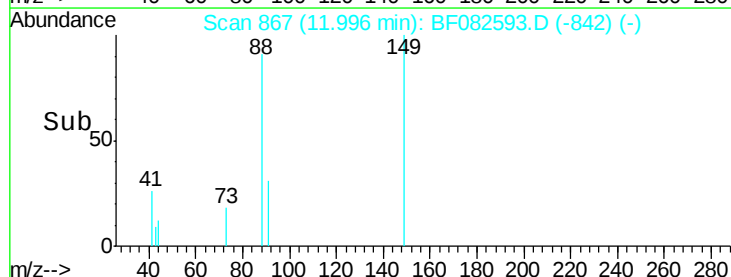
500

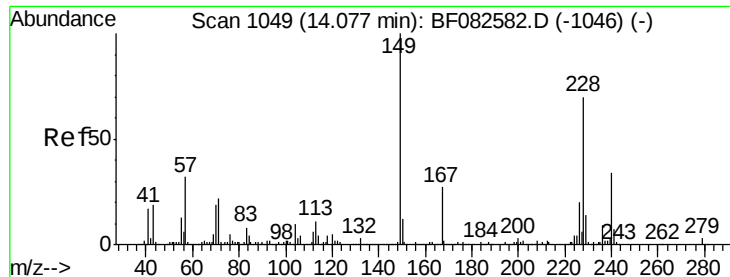
0

12.00

11.95

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

BNA_F

ClientSampleId :

PB86301BL

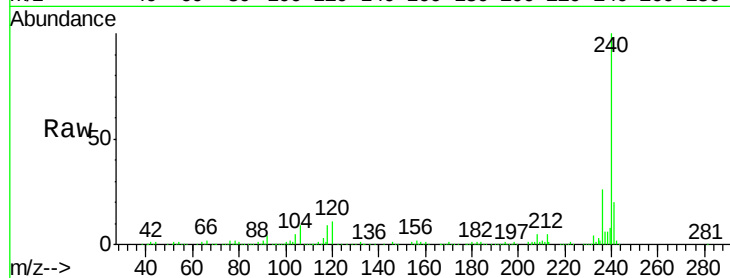
Tgt Ion:240 Resp: 531403

Ion Ratio Lower Upper

240 100

120 10.9 10.9 16.3

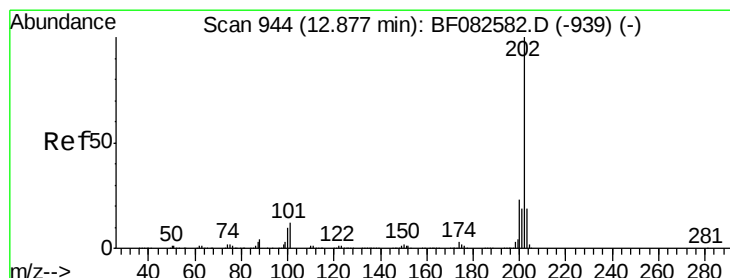
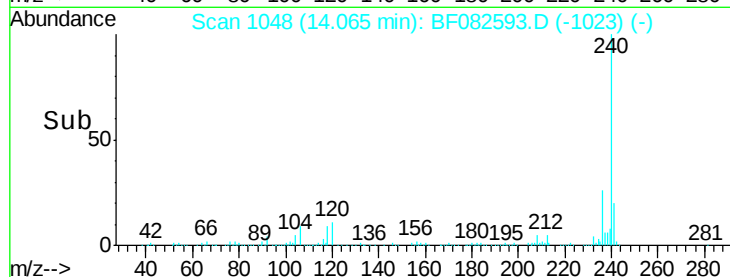
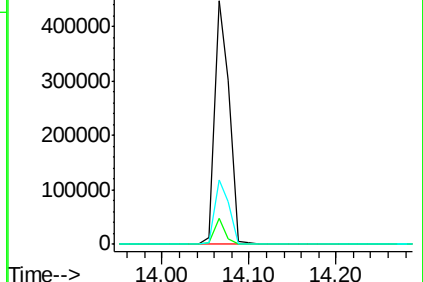
236 26.3 21.6 32.4



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: 0.21 ng

RT: 13.02 min Scan# 957

Delta R.T. 0.15 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

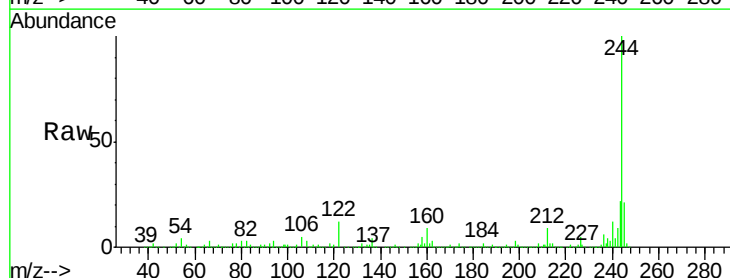
Tgt Ion:202 Resp: 8194

Ion Ratio Lower Upper

202 100

200 48.0 18.7 28.1#

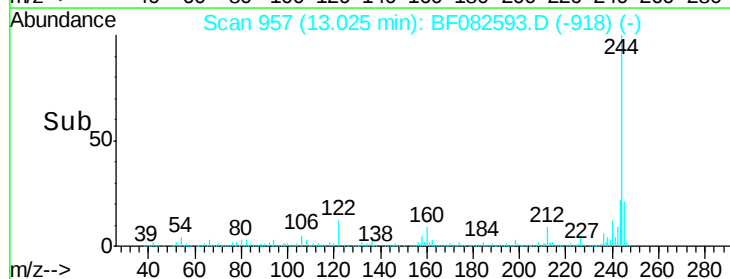
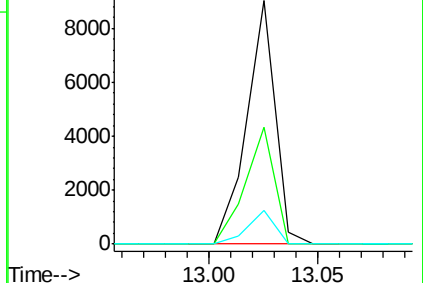
203 13.6 14.8 22.2#

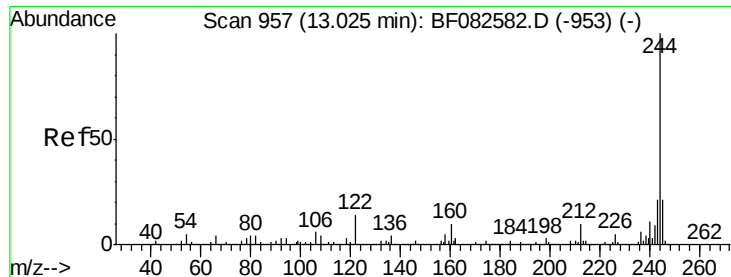


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 80.40 ng

RT: 13.02 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

BNA_F

ClientSampled :

PB86301BL

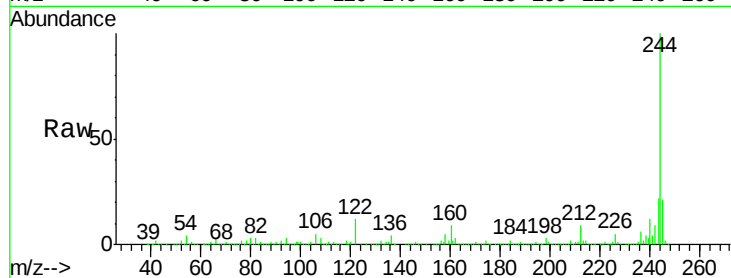
Tgt Ion:244 Resp: 1952394

Ion Ratio Lower Upper

244 100

212 9.1 7.6 11.4

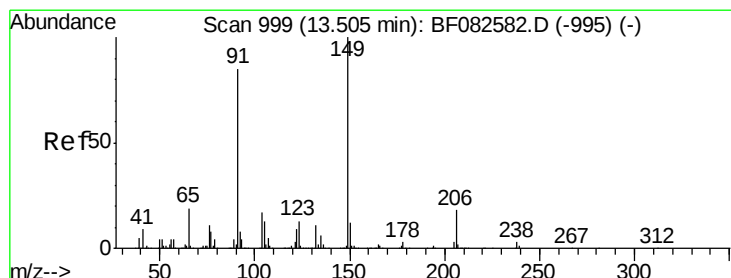
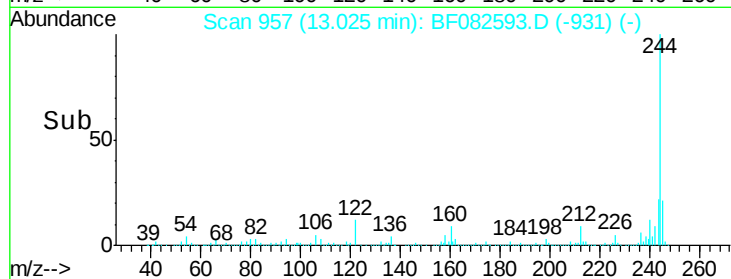
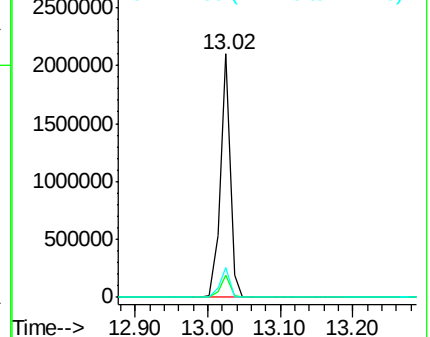
122 12.2 11.3 16.9



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



#79

Butylbenzylphthalate

Concen: 0.03 ng

RT: 13.56 min Scan# 1004

Delta R.T. 0.06 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

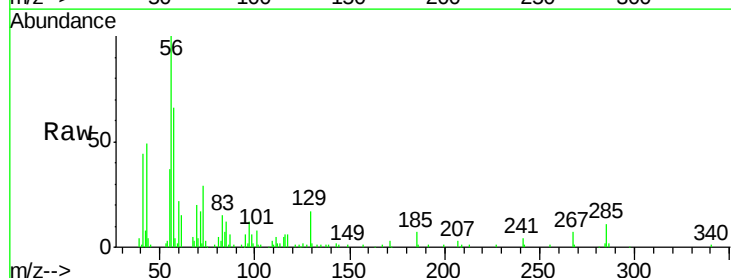
Tgt Ion:149 Resp: 435

Ion Ratio Lower Upper

149 100

91 0.0 67.7 101.5#

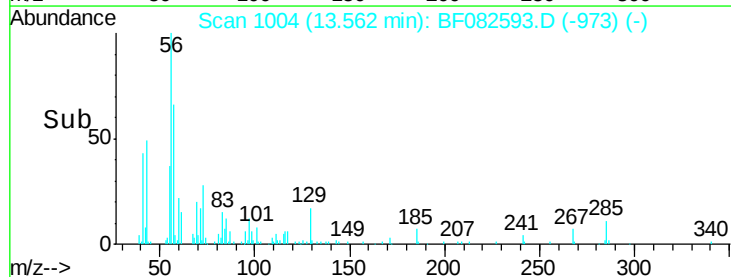
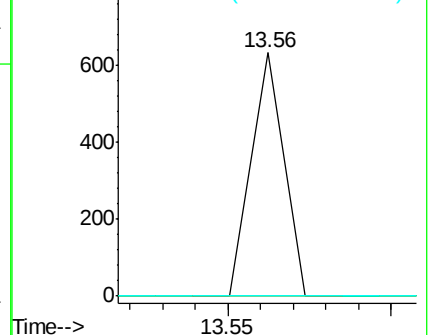
206 0.0 14.6 22.0#

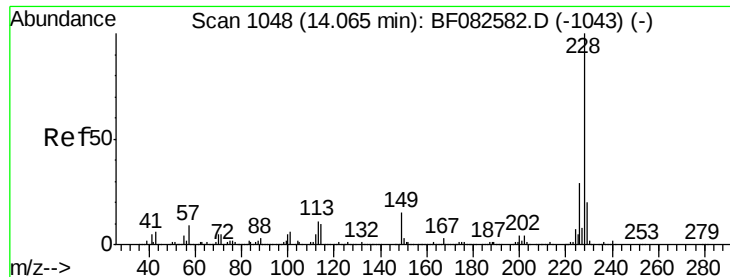


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.04 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

Instrument :

BNA_F

ClientSampleId :

PB86301BL

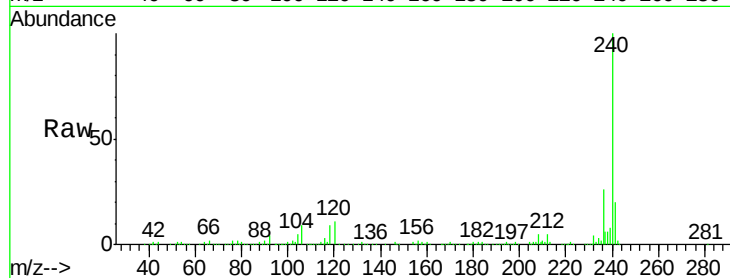
Tgt Ion:228 Resp: 1352

Ion Ratio Lower Upper

228 100

226 0.0 23.4 35.2#

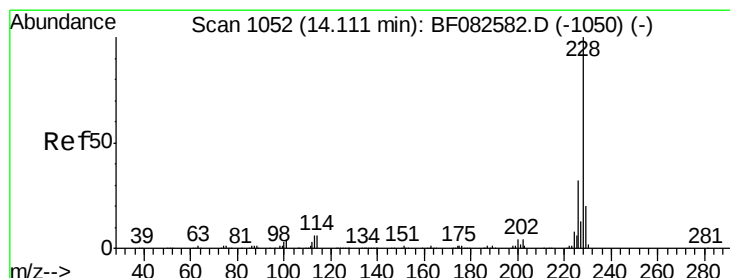
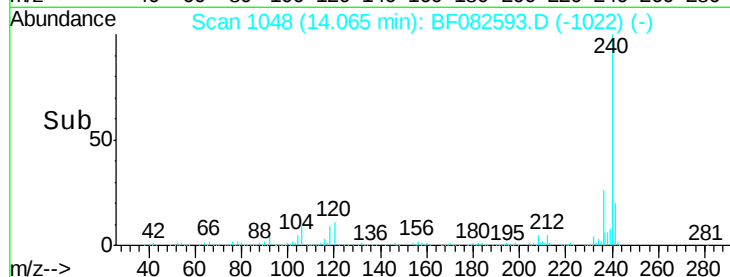
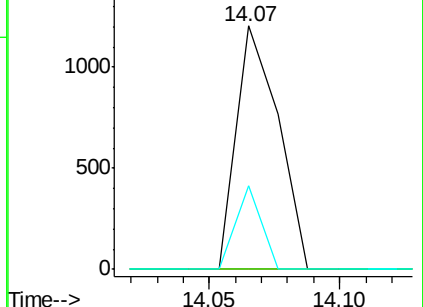
229 34.4 16.3 24.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 0.04 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.05 min

Lab File: BF082593.D

Acq: 31 Oct 2015 1:32

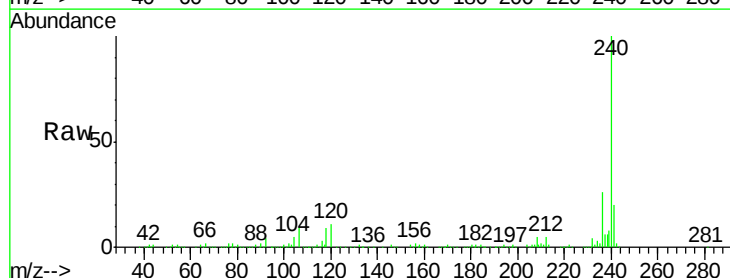
Tgt Ion:228 Resp: 1352

Ion Ratio Lower Upper

228 100

226 0.0 25.5 38.3#

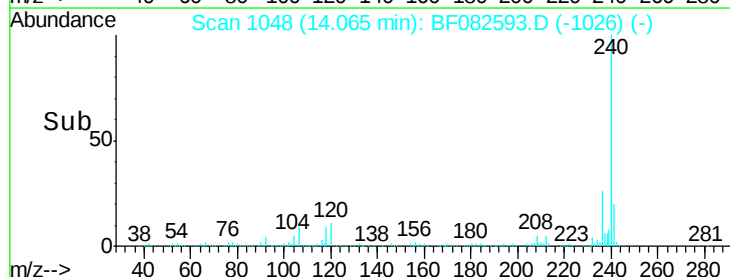
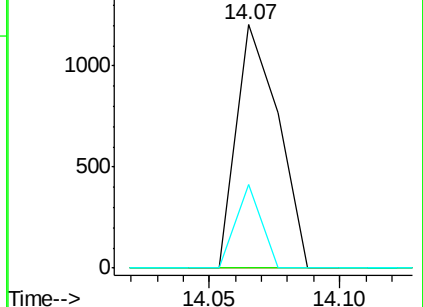
229 34.4 16.3 24.5#

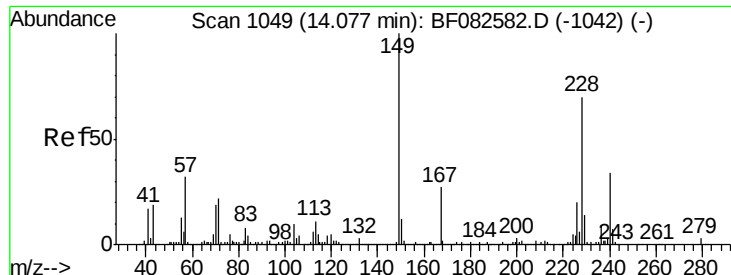


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

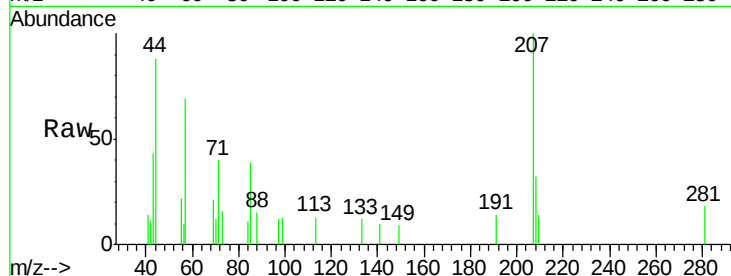




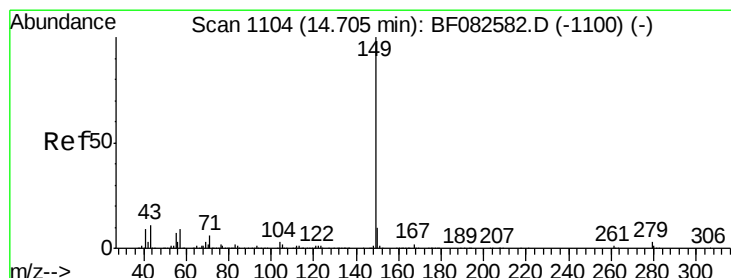
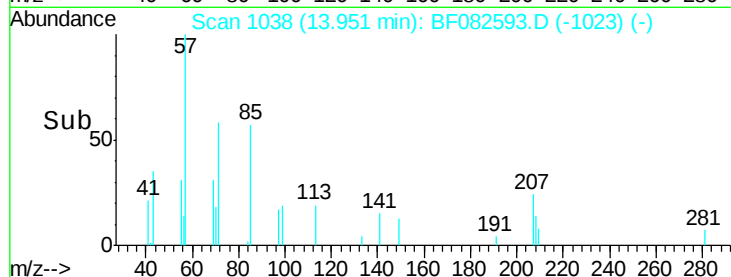
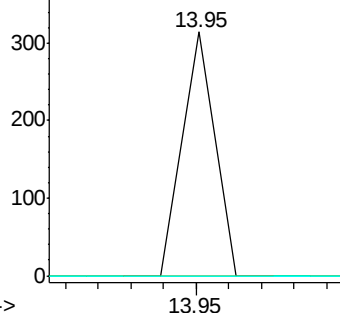
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.01 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.13 min
 Lab File: BF082593.D
 Acq: 31 Oct 2015 1:32

Instrument :
 BNA_F
 ClientSampleId :
 PB86301BL

Tgt Ion:149 Resp: 215
 Ion Ratio Lower Upper
 149 100
 167 0.0 21.2 31.8#
 279 0.0 2.2 3.2#

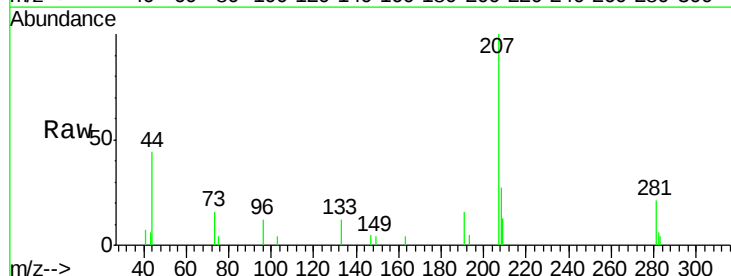


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

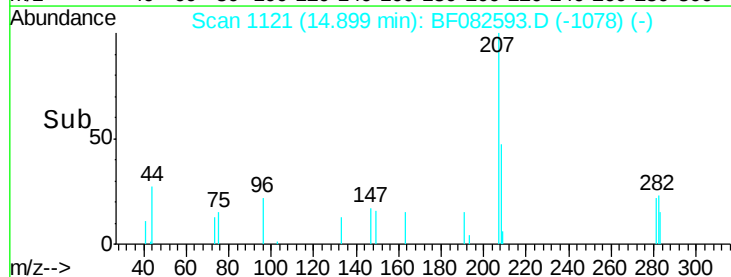
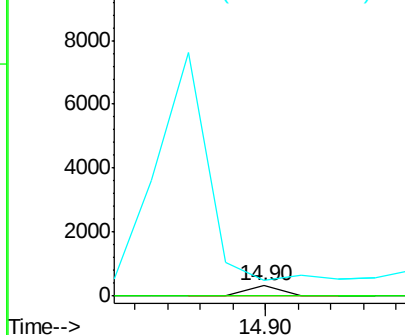


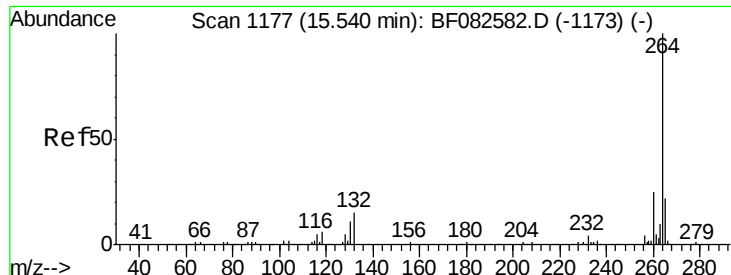
#84
 Di-n-octyl phthalate
 Concen: 0.01 ng
 RT: 14.90 min Scan# 1121
 Delta R.T. 0.19 min
 Lab File: BF082593.D
 Acq: 31 Oct 2015 1:32

Tgt Ion:149 Resp: 226
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 0.0 10.1 15.1#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0

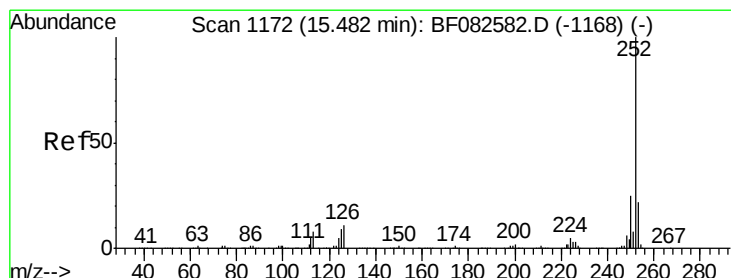
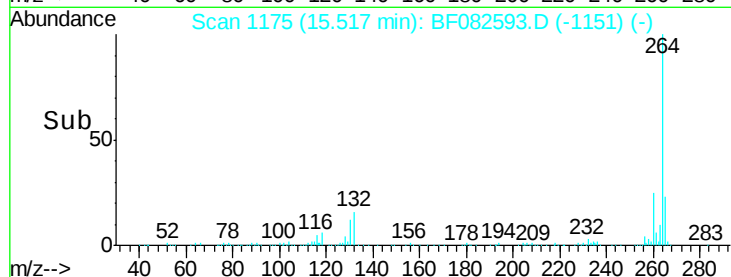
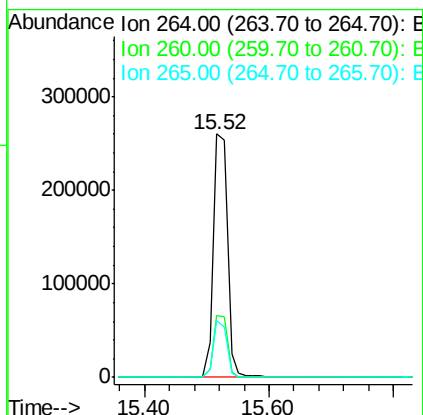
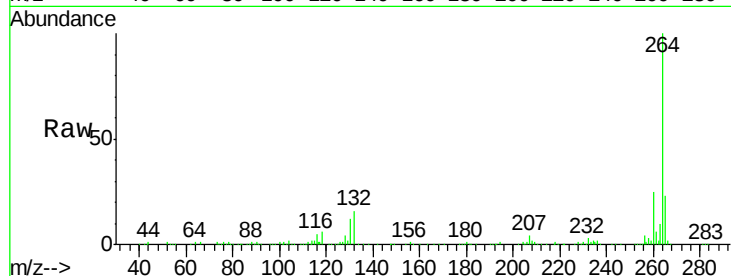




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1175
Delta R.T. -0.02 min
Lab File: BF082593.D
Acq: 31 Oct 2015 1:32

Instrument :
BNA_F
ClientSampleId :
PB86301BL

Tgt Ion: 264 Resp: 406615
Ion Ratio Lower Upper
264 100
260 25.2 19.8 29.6
265 23.2 17.4 26.0



#89
Benzo(a)pyrene
Concen: 0.08 ng
RT: 15.52 min Scan# 1175
Delta R.T. 0.03 min
Lab File: BF082593.D
Acq: 31 Oct 2015 1:32

Tgt Ion: 252 Resp: 1658
Ion Ratio Lower Upper
252 100
253 37.4 17.3 25.9#
125 23.5 7.1 10.7#

