

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097613.D
 Acq On : 12 Aug 2017 1:08
 Operator : SJ/JU
 Sample : I4604-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-4-080217

Quant Time: Aug 12 01:55:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	88243	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	333660	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	137151	20.00	ng	0.00
63) Phenanthrene-d10	14.76	188	229794	20.00	ng	0.00
75) Chrysene-d12	18.46	240	162346	20.00	ng	0.00
86) Perylene-d12	20.13	264	161508	20.00	ng	0.00

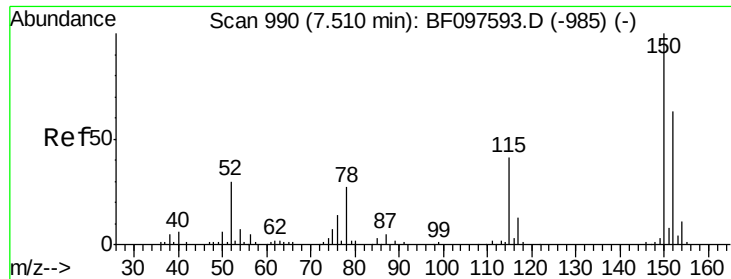
System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	400172	72.08	ng	0.03
7) Phenol-d6	7.08	99	288242	41.85	ng	0.02
23) Nitrobenzene-d5	8.42	82	595217	111.86	ng	0.00
41) 2,4,6-Tribromophenol	13.66	330	154312	148.01	ng	0.00
44) 2-Fluorobiphenyl	11.32	172	878907	96.71	ng	0.00
78) Terphenyl-d14	17.12	244	595973	75.98	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.82	88	157	0.07	ng	# 81
4) n-Nitrosodimethylamine	2.17	42	109	0.03	ng	# 1
6) Aniline	7.17	93	571	0.06	ng	# 1
10) Phenol	7.10	94	3796	0.50	ng	# 1
11) bis(2-Chloroethyl)ether	7.17	93	571	0.09	ng	# 1
15) Benzyl Alcohol	7.75	79	9845	2.07	ng	# 44
19) n-Nitroso-di-n-propylamine	8.42	70	76133	15.89	ng	# 88
24) Nitrobenzene	8.42	77	1025	0.18	ng	# 28
25) Isophorone	8.85	82	121	0.01	ng	# 67
45) 1,1'-Biphenyl	11.49	154	1399	0.12	ng	# 81
49) Dimethylphthalate	12.02	163	25334	2.40	ng	# 100
50) 2,6-Dinitrotoluene	12.36	165	16522	7.57	ng	# 33
51) Acenaphthene	12.37	154	407	0.05	ng	# 4
59) Diethylphthalate	13.16	149	135	0.01	ng	# 60
62) Azobenzene	13.66	77	859	0.09	ng	# 1
64) 4,6-Dinitro-2-methylphenol	13.66	198	128	0.09	ng	# 1
65) n-Nitrosodiphenylamine	13.66	169	5148	0.61	ng	# 41
73) Di-n-butylphthalate	15.76	149	789	0.05	ng	# 78
77) Pvrene	17.12	202	1934	0.14	ng	# 49
79) Butylbenzylphthalate	17.77	149	1109	0.20	ng	# 1
80) Benzo(a)anthracene	18.46	228	406	0.04	ng	# 50
82) Chrysene	18.46	228	406	0.04	ng	# 49
83) Bis(2-ethylhexyl)phthalate	18.54	149	1320	0.17	ng	# 78
84) Di-n-octyl phthalate	19.30	149	268	0.02	ng	# 1
87) Benzo(b)fluoranthene	19.74	252	106	0.01	ng	# 1
88) Benzo(k)fluoranthene	19.74	252	106	0.01	ng	# 1
89) Benzo(a)pyrene	20.13	252	885	0.10	ng	# 17

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.51 min Scan# 990

Delta R.T. -0.00 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

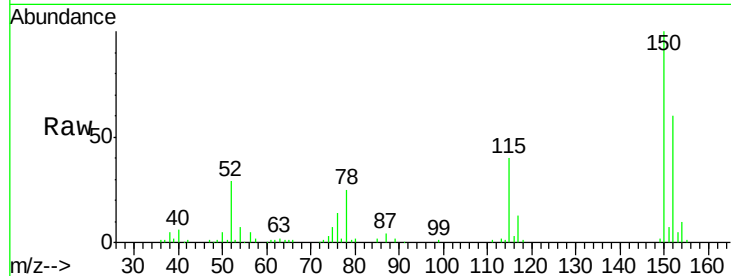
Tot Ion:152 Resp: 88243

Ion Ratio Lower Upper

152 100

150 167.1 126.2 189.2

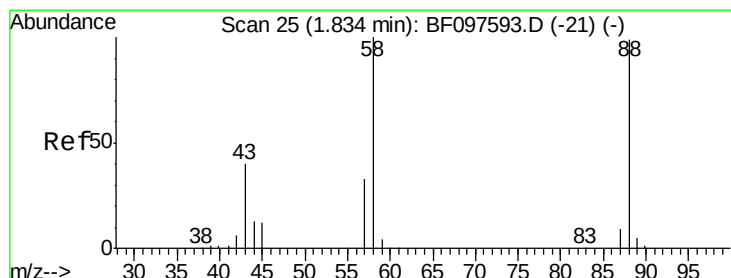
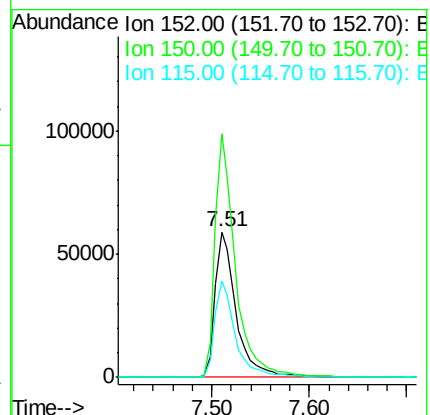
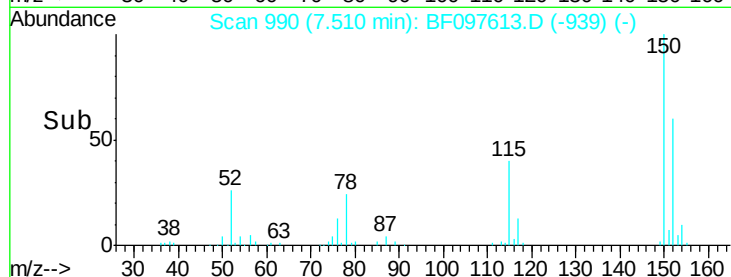
115 66.5 52.2 78.2



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: 0.07 ng

RT: 1.82 min Scan# 23

Delta R.T. -0.01 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

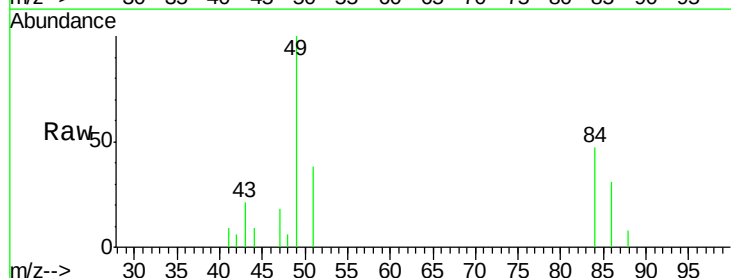
Tgt Ion: 88 Resp: 157

Ion Ratio Lower Upper

88 100

58 72.0 61.4 92.0

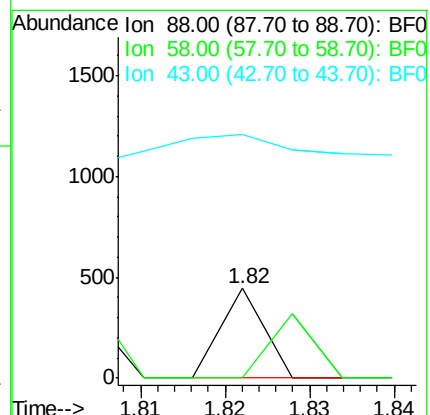
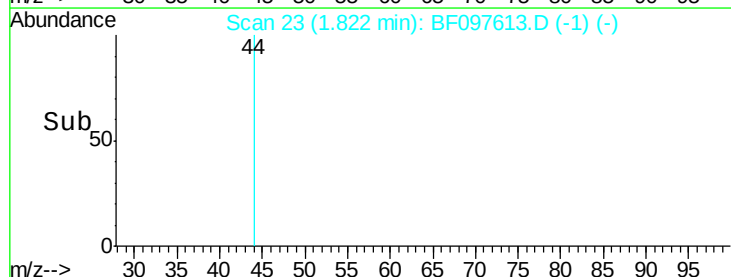
43 0.0 23.4 35.0#

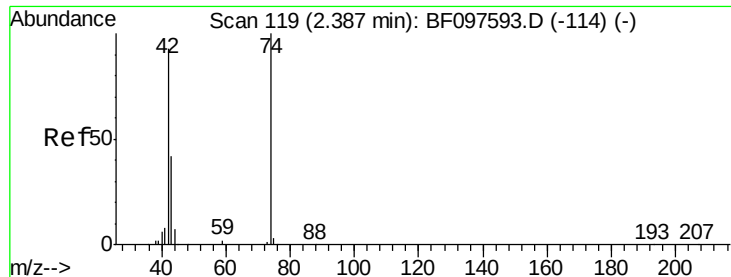


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 2.17 min Scan# 83

Delta R.T. -0.21 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

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MW-4-080217

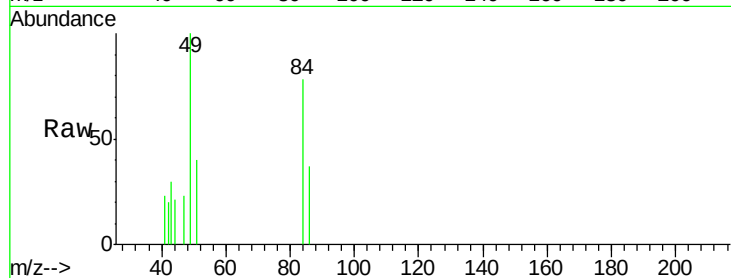
Tot Ion: 42 Resp: 109

Ion Ratio Lower Upper

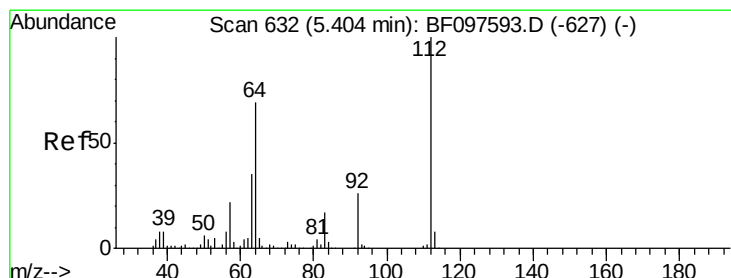
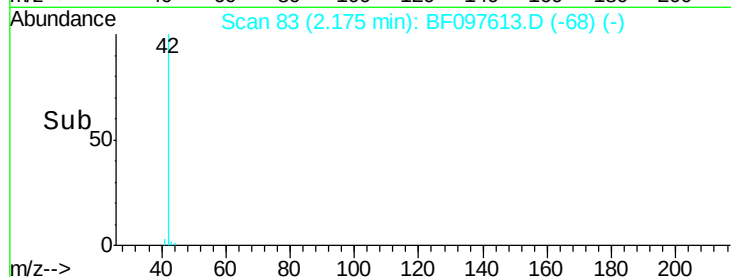
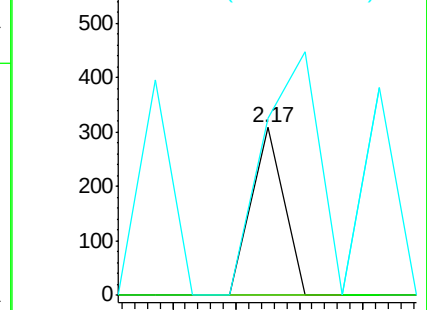
42 100

74 0.0 103.9 155.9#

44 105.8 5.7 8.5#



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: 72.08 ng

RT: 5.43 min Scan# 637

Delta R.T. 0.03 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

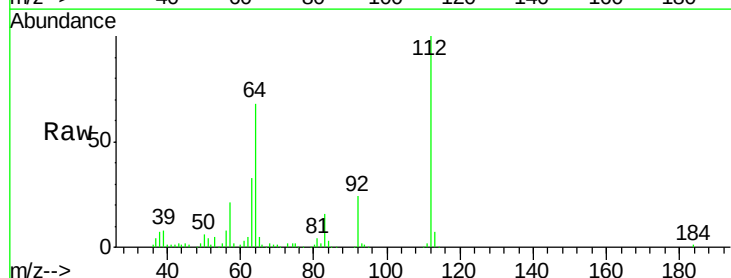
Tgt Ion: 112 Resp: 400172

Ion Ratio Lower Upper

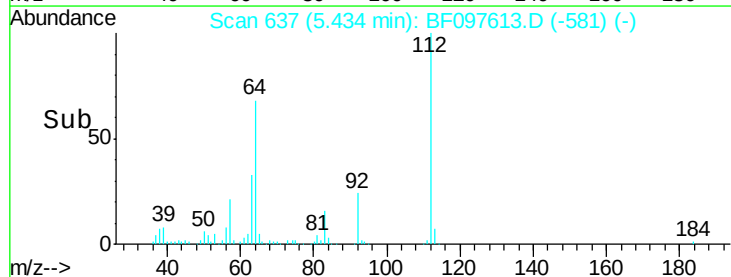
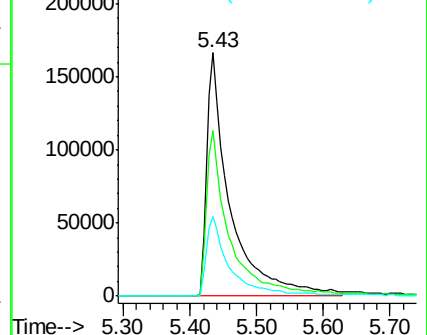
112 100

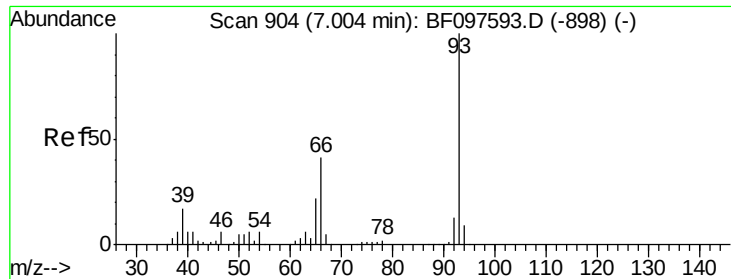
64 68.2 46.0 69.0

63 33.0 23.4 35.0



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: 0.06 ng

RT: 7.17 min Scan# 932

Delta R.T. 0.16 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

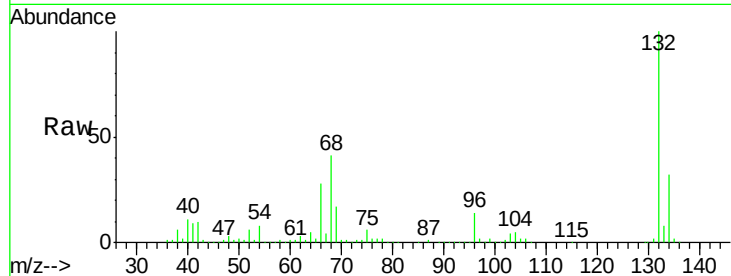
Tot Ion: 93 Resp: 571

Ion Ratio Lower Upper

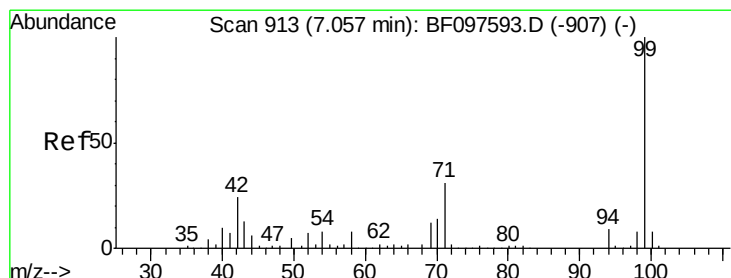
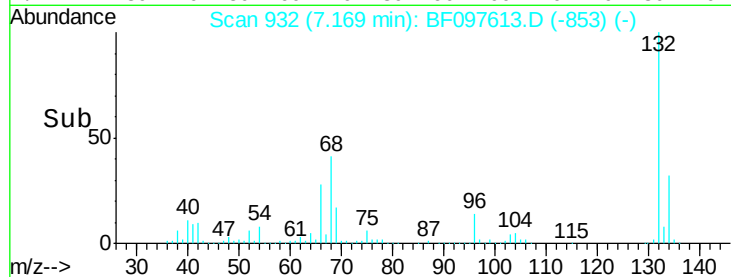
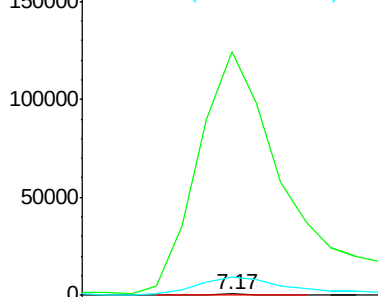
93 100

66 17953.8 32.9 49.3#

65 1333.1 16.0 24.0#



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: 41.85 ng

RT: 7.08 min Scan# 917

Delta R.T. 0.02 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

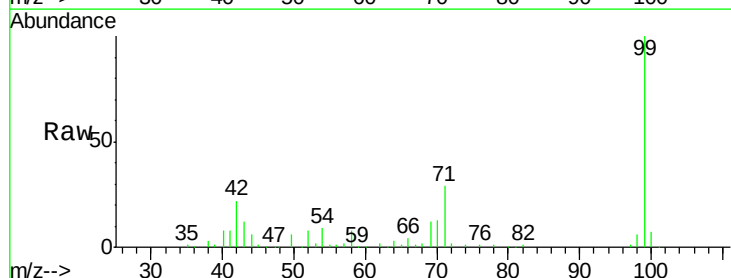
Tgt Ion: 99 Resp: 288242

Ion Ratio Lower Upper

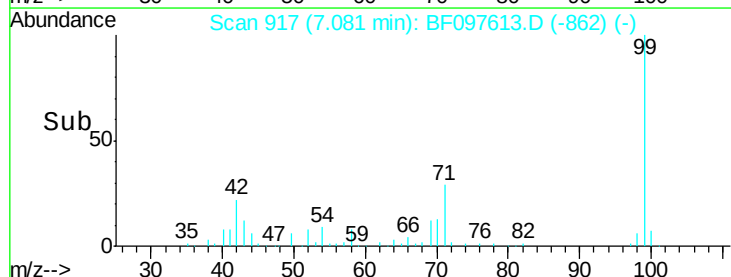
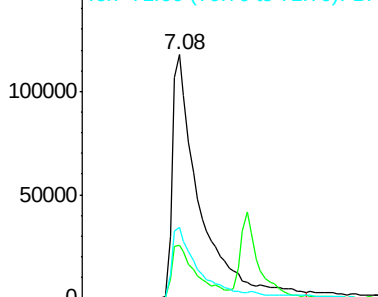
99 100

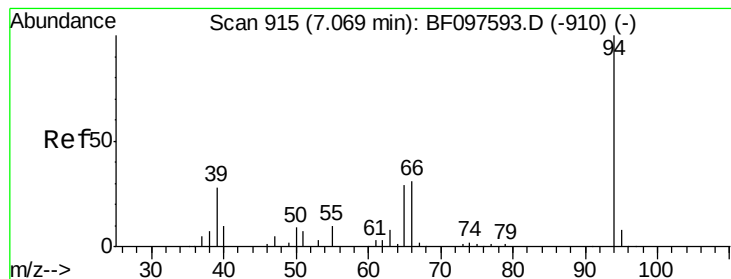
42 21.6 13.5 20.3#

71 29.3 24.5 36.7



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





#10

Phenol

Concen: 0.50 ng

RT: 7.10 min Scan# 921

Delta R.T. 0.04 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

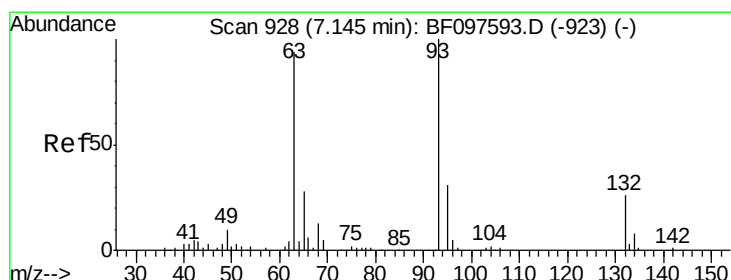
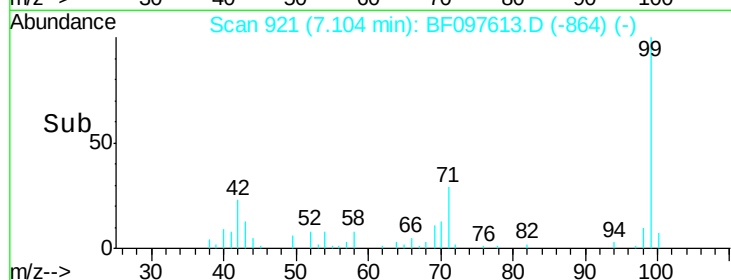
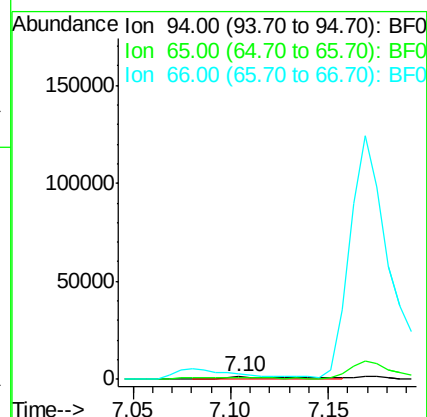
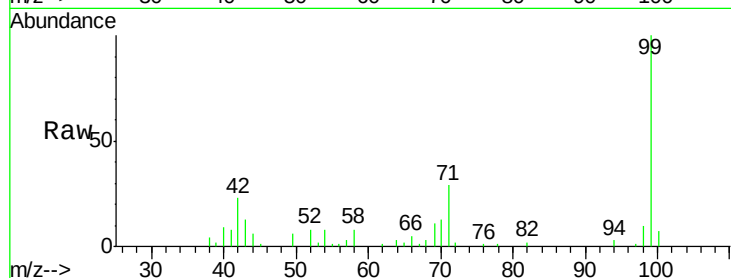
Tot Ion: 94 Resp: 3796

Ion Ratio Lower Upper

94 100

65 53.7 9.9 49.9#

66 173.4 23.1 63.1#



#11

bis(2-Chloroethyl)ether

Concen: 0.09 ng

RT: 7.17 min Scan# 932

Delta R.T. 0.02 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

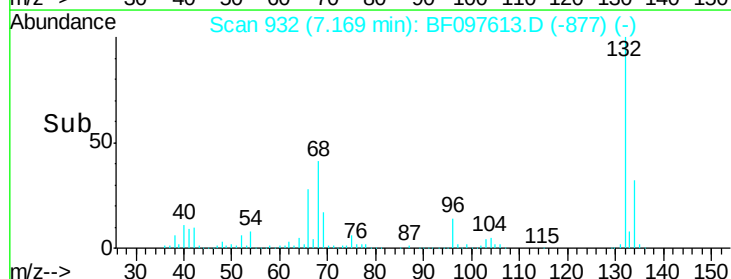
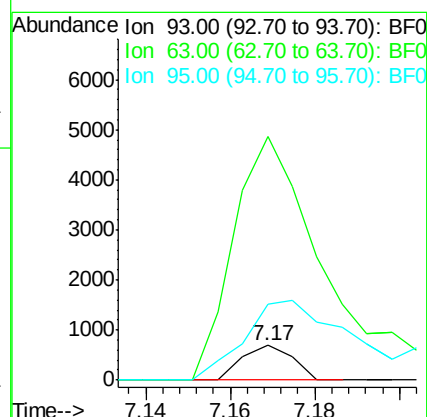
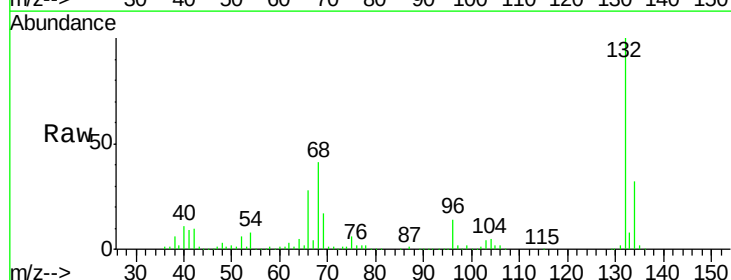
Tgt Ion: 93 Resp: 571

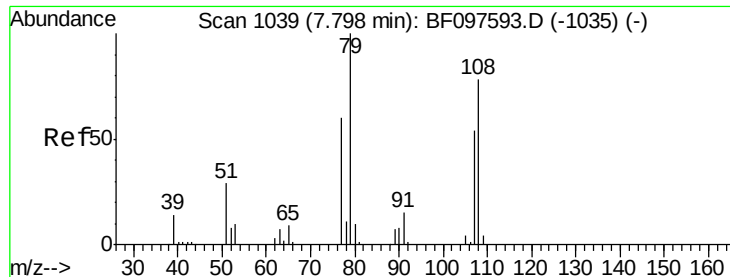
Ion Ratio Lower Upper

93 100

63 702.6 59.2 99.2#

95 218.6 12.8 52.8#

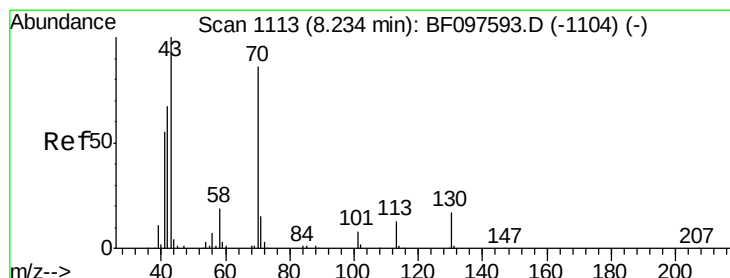
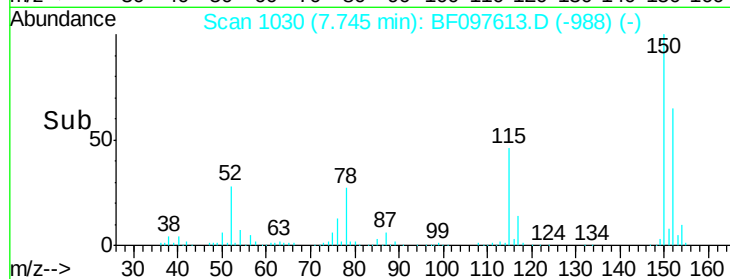
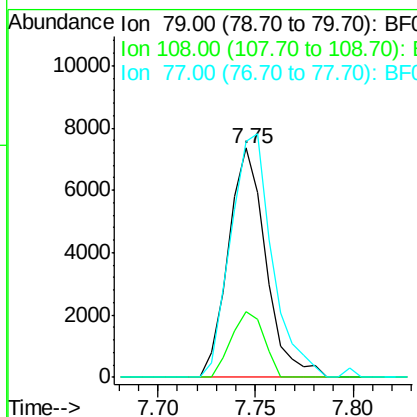
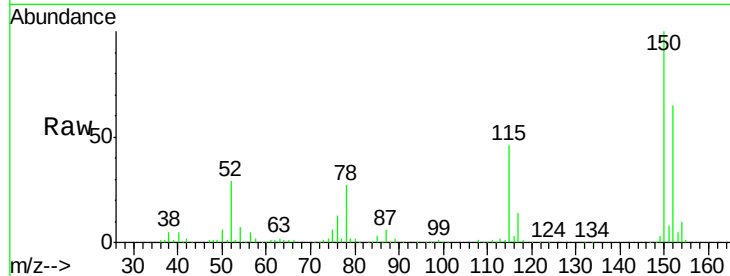




#15
Benzvl Alcohol
Concen: 2.07 ng
RT: 7.75 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BF097613.D
Acq: 12 Aug 2017 1:08

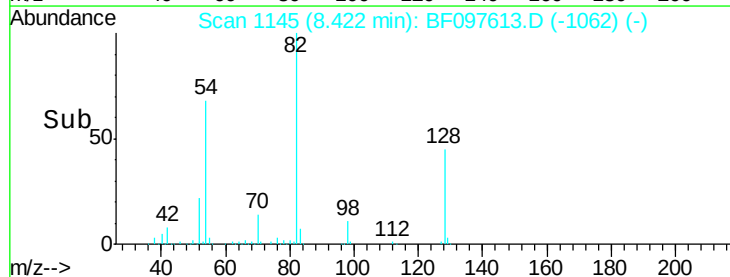
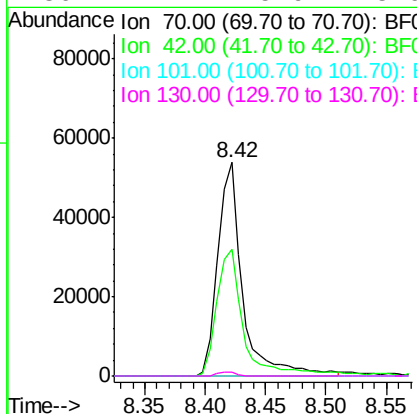
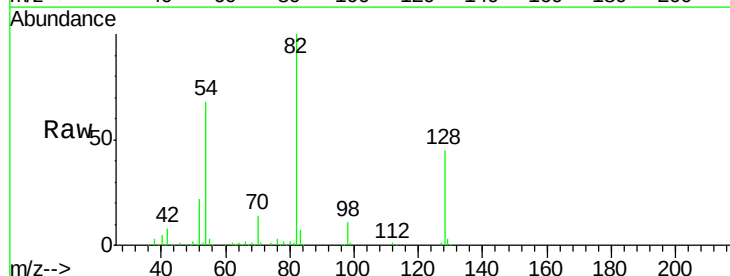
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MW-4-080217

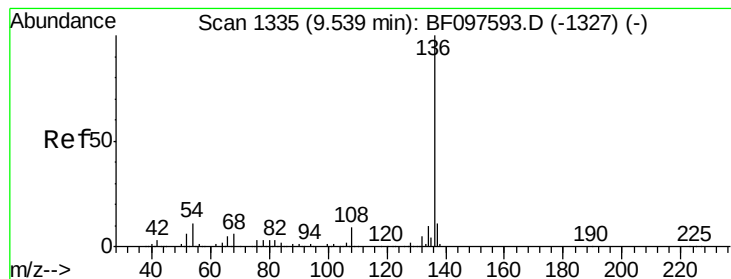
Tot Ion: 79 Resp: 9845
Ion Ratio Lower Upper
79 100
108 28.8 63.4 95.0#
77 102.8 49.2 73.8#



#19
n-Nitroso-di-n-propylamine
Concen: 15.89 ng
RT: 8.42 min Scan# 1145
Delta R.T. 0.19 min
Lab File: BF097613.D
Acq: 12 Aug 2017 1:08

Tgt Ion: 70 Resp: 76133
Ion Ratio Lower Upper
70 100
42 59.4 47.2 70.8
101 0.0 7.2 10.8#
130 1.7 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.54 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

Tot Ion:136 Resp: 333660

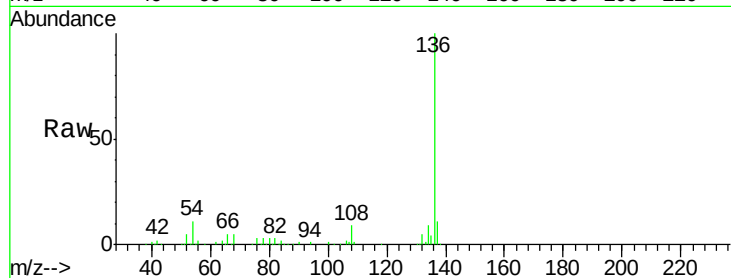
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.6 4.9 7.3#

68 5.4 4.1 6.1

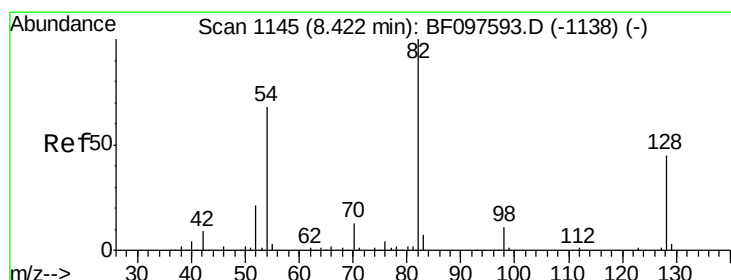
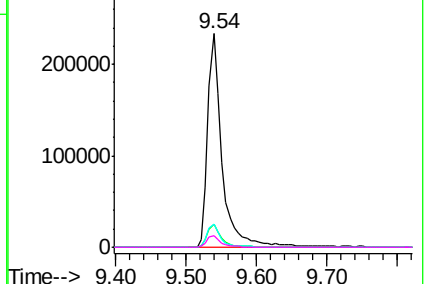
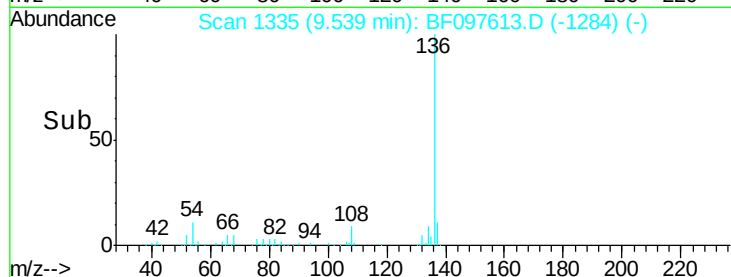


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 111.86 ng

RT: 8.42 min Scan# 1145

Delta R.T. -0.00 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

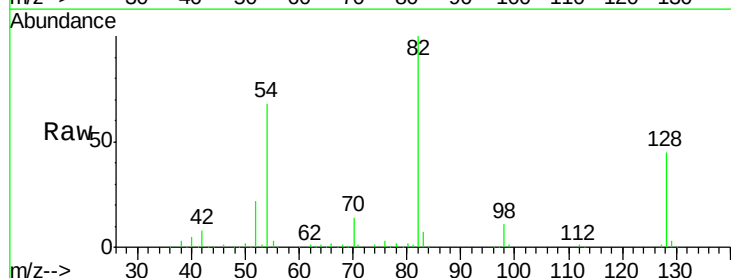
Tgt Ion: 82 Resp: 595217

Ion Ratio Lower Upper

82 100

128 45.3 34.0 51.0

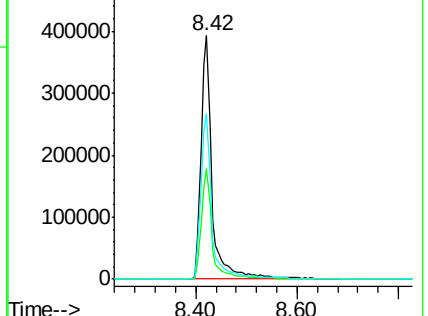
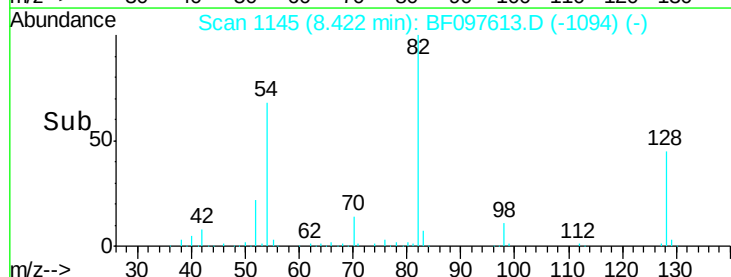
54 67.8 42.2 63.2#

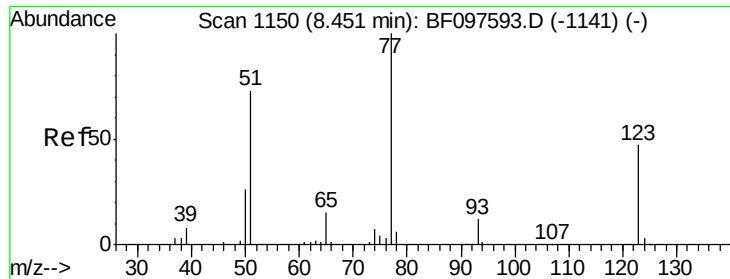


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

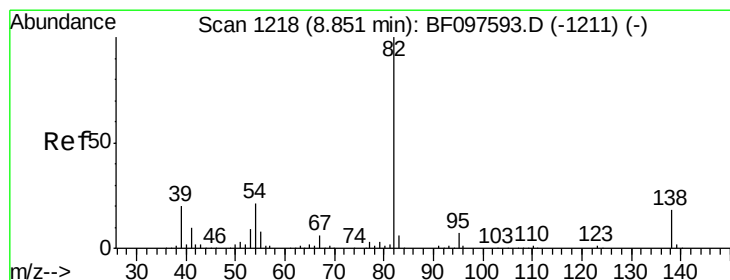
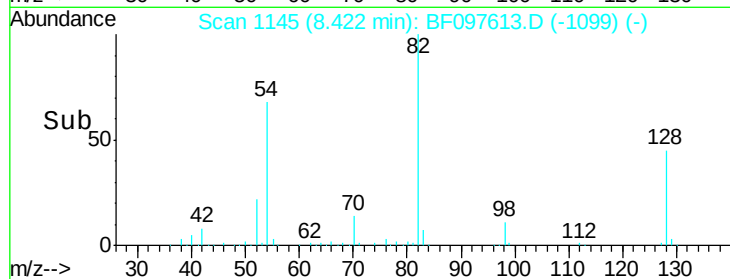
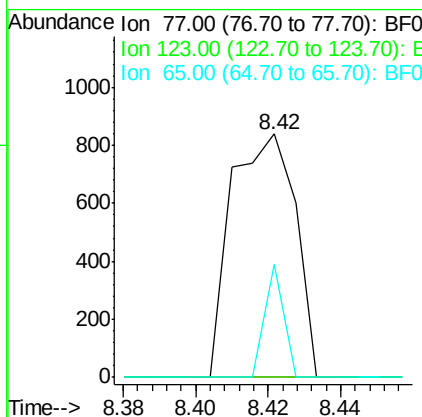
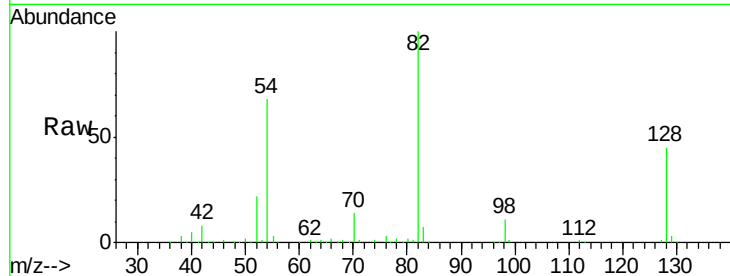




#24
 Nitrobenzene
 Concen: 0.18 ng
 RT: 8.42 min Scan# 1145
 Delta R.T. -0.03 min
 Lab File: BF097613.D
 Acq: 12 Aug 2017 1:08

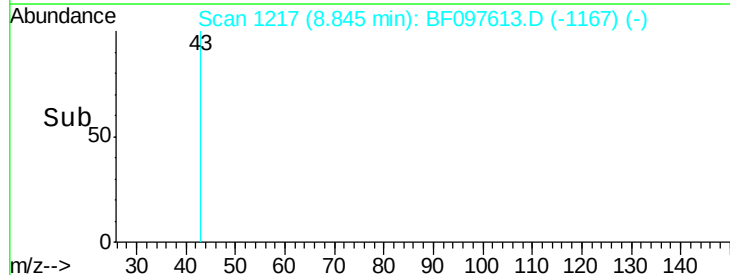
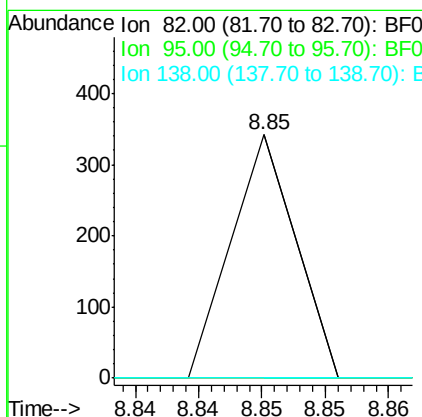
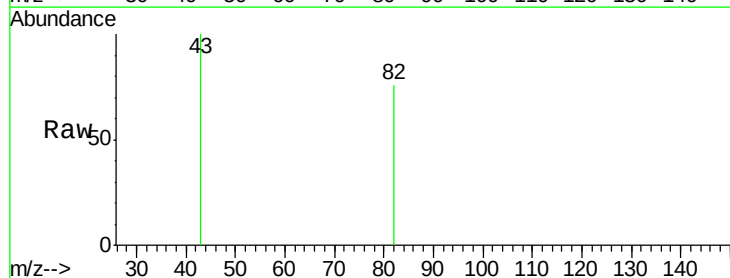
Instrument :
 BNA_F
 ClientSampleId :
 MW-4-080217

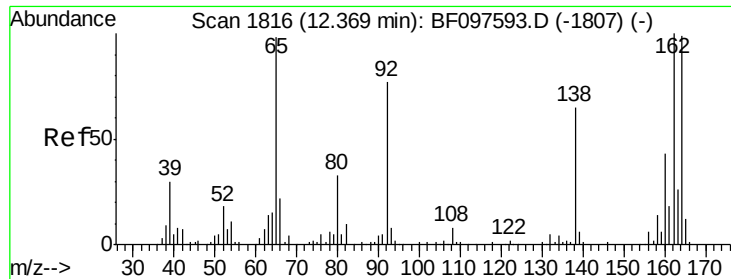
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.8	53.8#
65	46.5	10.6	15.8#



#25
 Isophorone
 Concen: 0.01 ng
 RT: 8.85 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF097613.D
 Acq: 12 Aug 2017 1:08

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.36 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

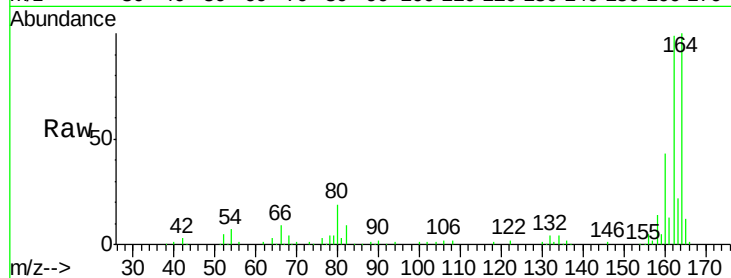
Tot Ion:164 Resp: 137151

Ion Ratio Lower Upper

164 100

162 98.8 82.6 123.8

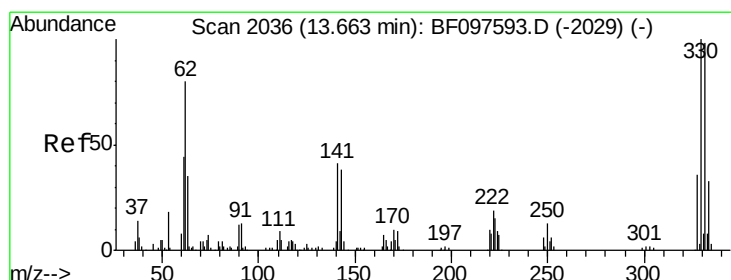
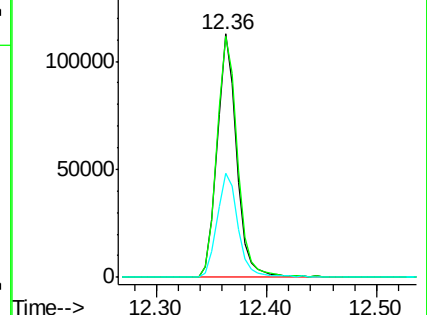
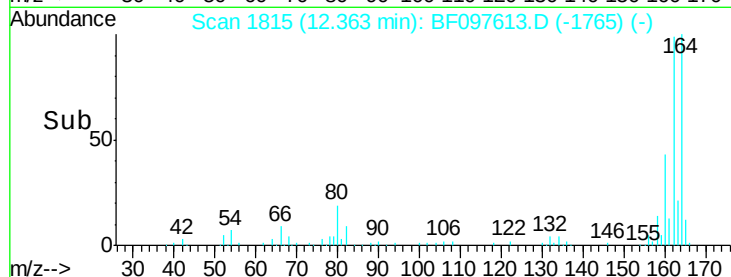
160 42.7 36.2 54.2



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: 148.01 ng

RT: 13.66 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

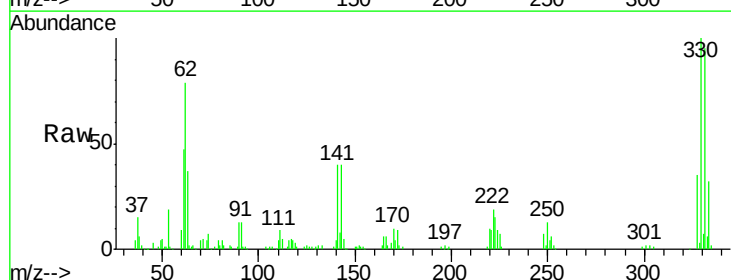
Tgt Ion:330 Resp: 154312

Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

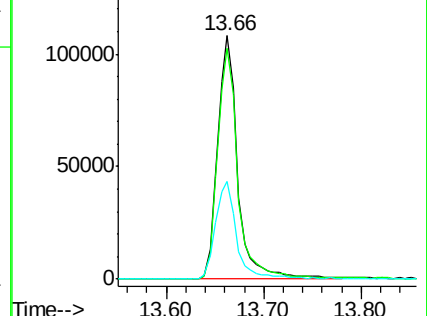
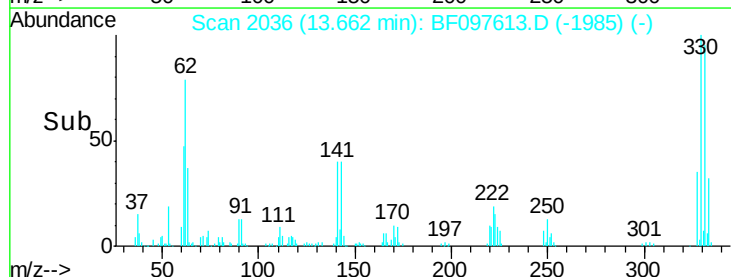
141 42.1 31.4 47.2

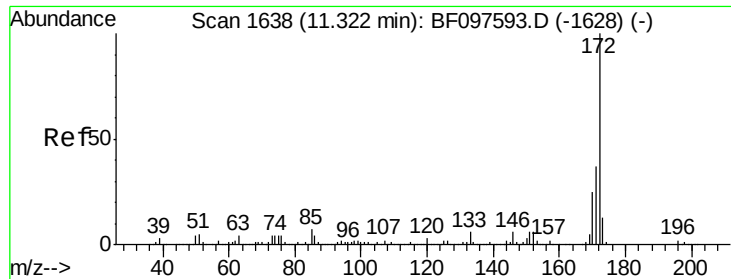


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

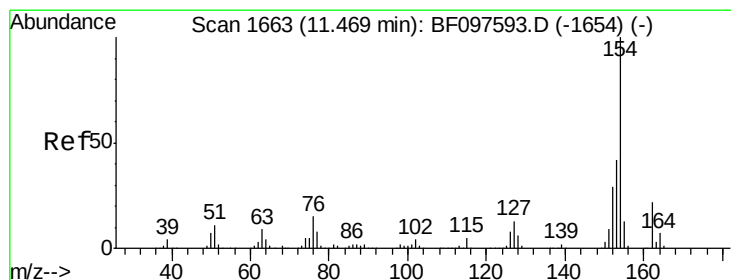
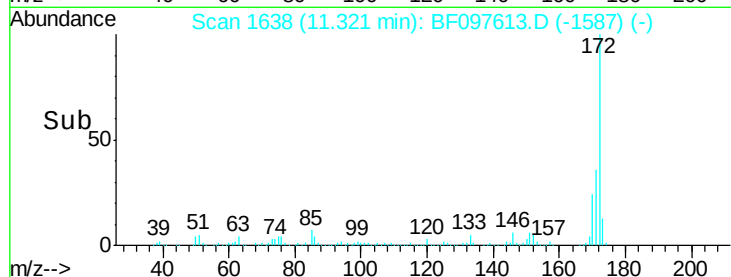
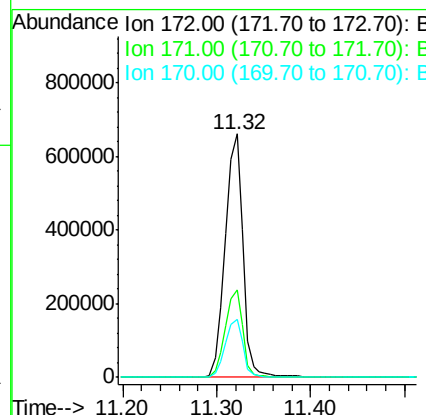
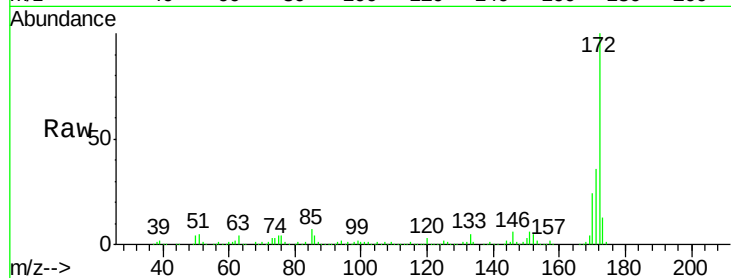




#44
2-Fluorobiphenyl
Concen: 96.71 ng
RT: 11.32 min Scan# 1638
Delta R.T. -0.00 min
Lab File: BF097613.D
Acq: 12 Aug 2017 1:08

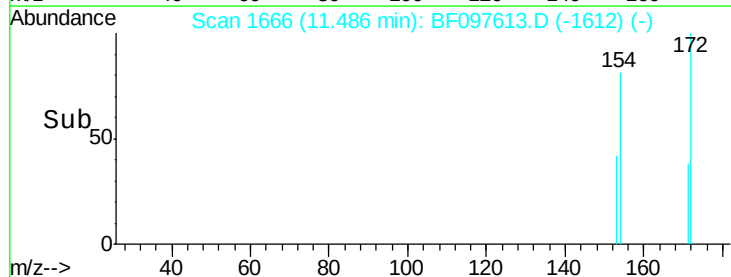
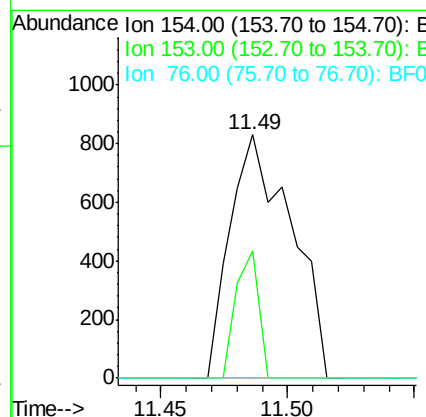
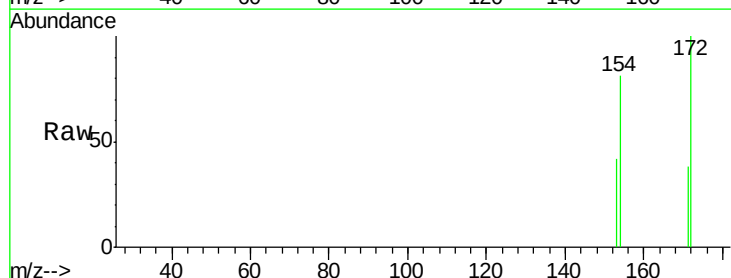
Instrument :
BNA_F
ClientSampleId :
MW-4-080217

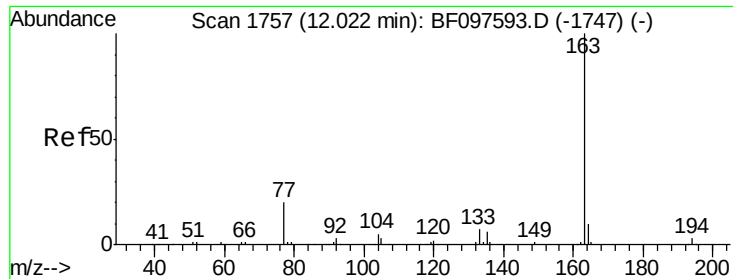
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.9	19.8	29.8



#45
1,1'-Biphenyl
Concen: 0.12 ng
RT: 11.49 min Scan# 1666
Delta R.T. 0.02 min
Lab File: BF097613.D
Acq: 12 Aug 2017 1:08

Tgt Ion	Ratio	Lower	Upper
154	100		
153	52.1	21.2	61.2
76	0.0	0.0	29.9





#49

Dimethylphthalate

Concen: 2.40 ng

RT: 12.02 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

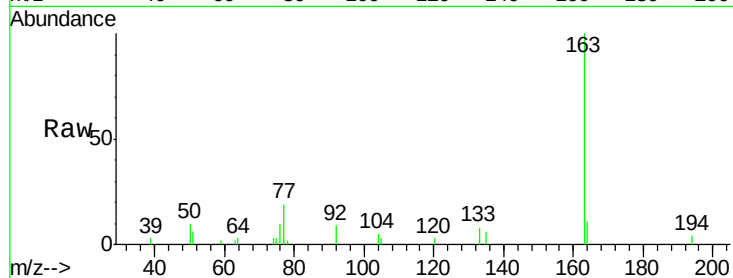
Tot Ion:163 Resp: 25334

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

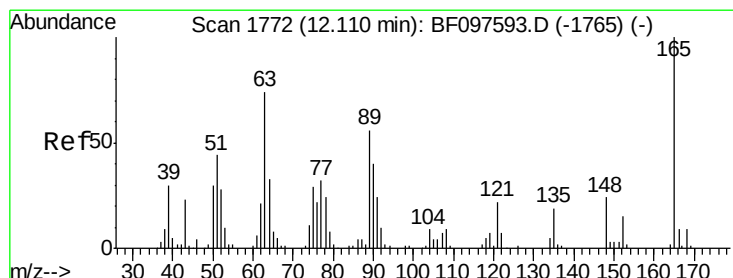
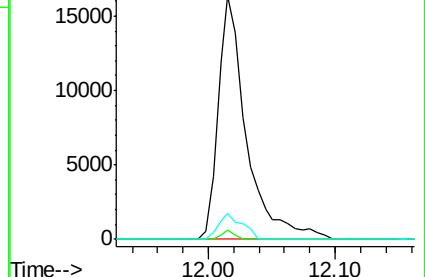
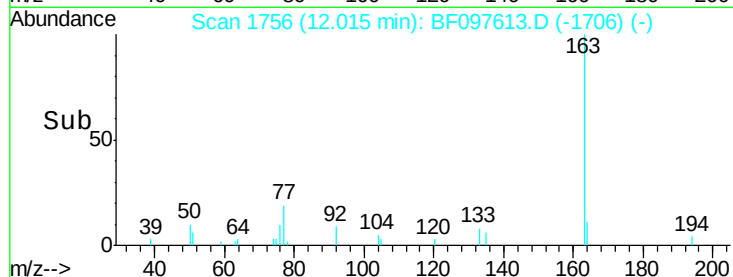
164 10.5 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.57 ng

RT: 12.36 min Scan# 1815

Delta R.T. 0.25 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

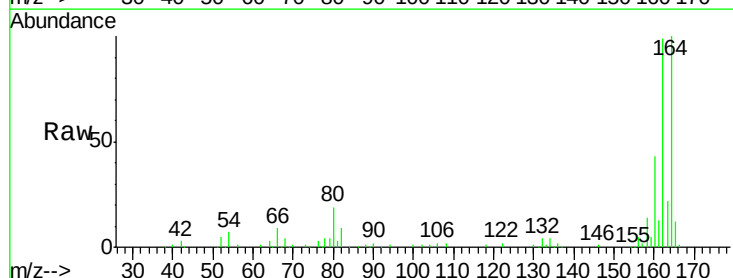
Tgt Ion:165 Resp: 16522

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

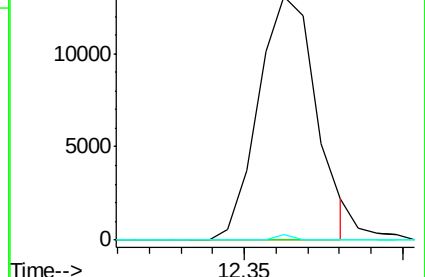
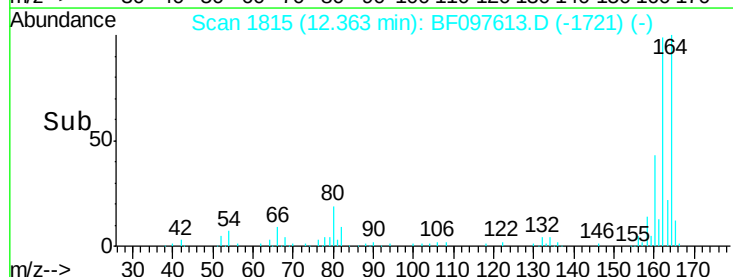
89 2.3 37.1 55.7#

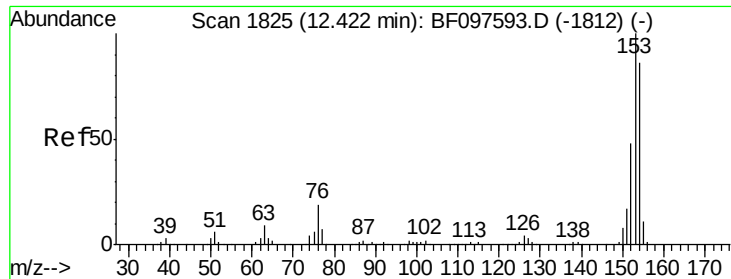


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.05 ng

RT: 12.37 min Scan# 1816

Delta R.T. -0.05 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

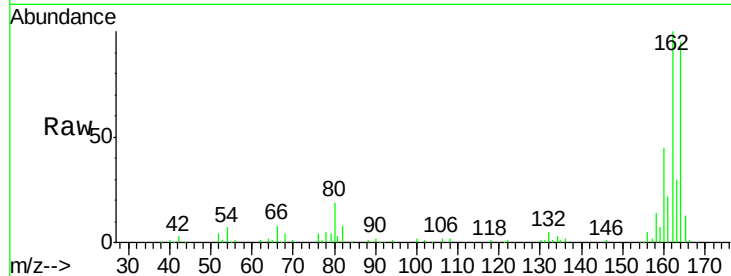
Tot Ion:154 Resp: 407

Ion Ratio Lower Upper

154 100

153 0.0 90.5 135.7#

152 0.0 43.6 65.4#

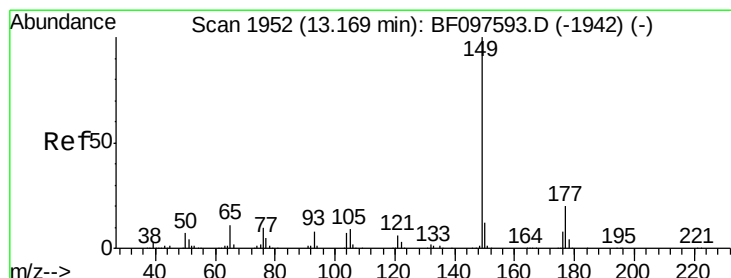
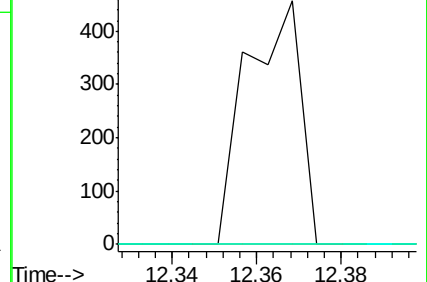
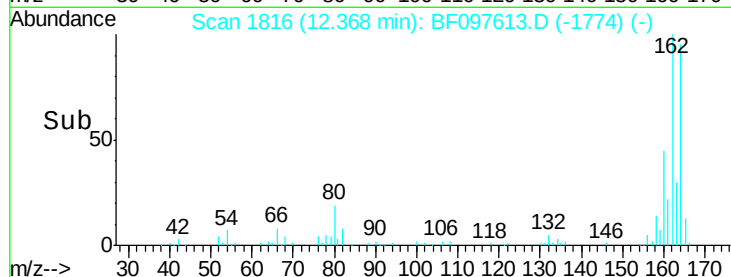


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

12.37



#59

Diethylphthalate

Concen: 0.01 ng

RT: 13.16 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

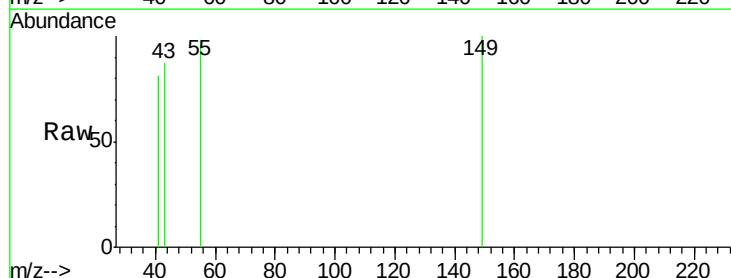
Tgt Ion:149 Resp: 135

Ion Ratio Lower Upper

149 100

177 0.0 16.7 25.1#

150 0.0 10.2 15.2#

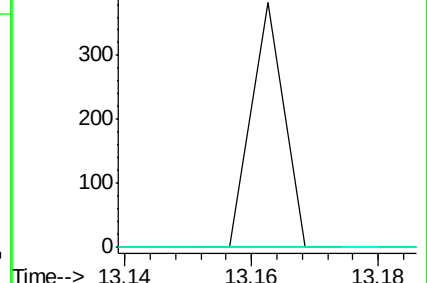
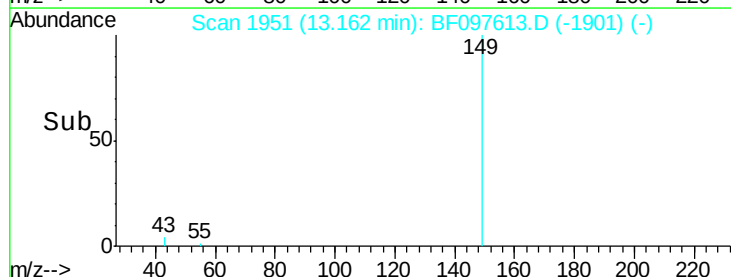


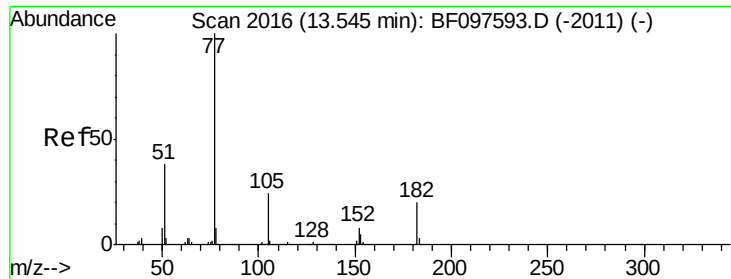
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

13.16





#62

Azobenzene

Concen: 0.09 ng

RT: 13.66 min Scan# 2035

Delta R.T. 0.11 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

Tot Ion: 77 Resp: 859

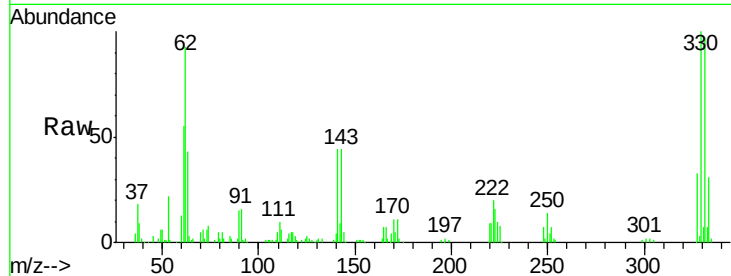
Ion Ratio Lower Upper

77 100

182 0.0 0.1 40.1#

105 77.3 3.6 43.6#

51 107.0 9.4 49.4#

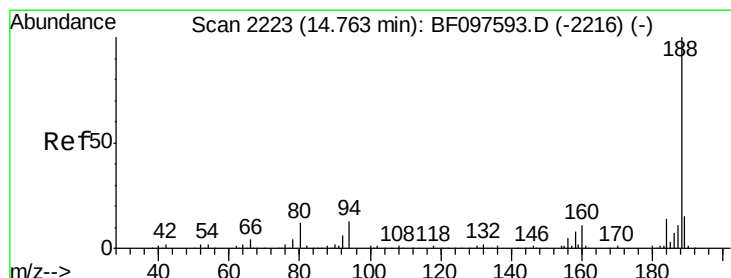
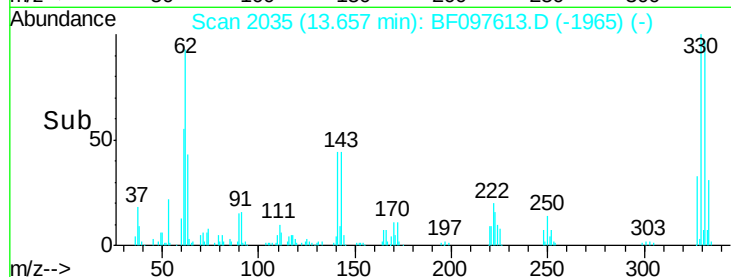
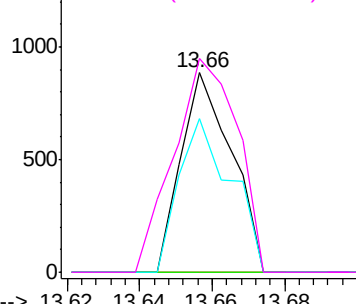


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 14.76 min Scan# 2223

Delta R.T. -0.00 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

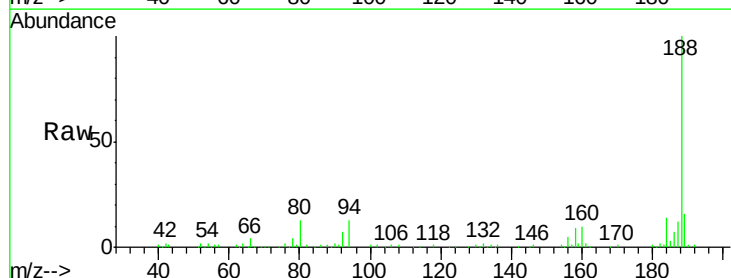
Tgt Ion: 188 Resp: 229794

Ion Ratio Lower Upper

188 100

94 12.8 9.4 14.2

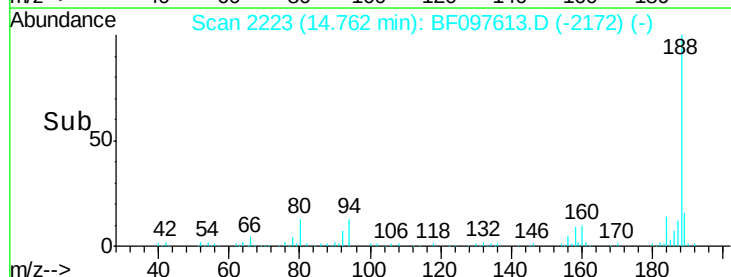
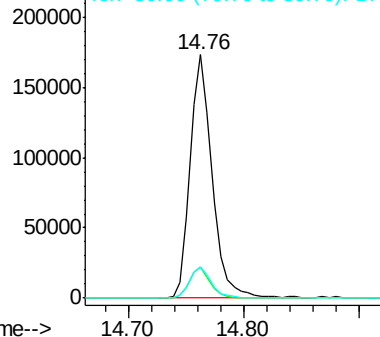
80 12.7 10.2 15.2

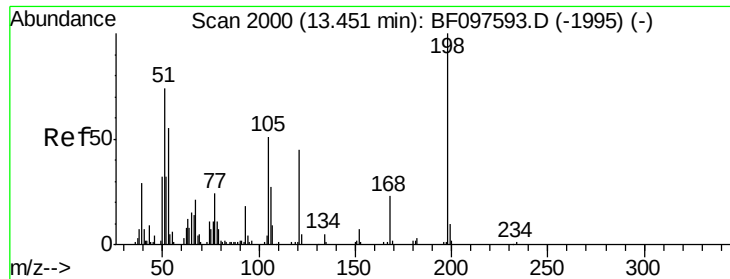


Abundance Ion 188.00 (187.70 to 188.70): E

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: 0.09 ng

RT: 13.66 min Scan# 2036

Delta R.T. 0.21 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

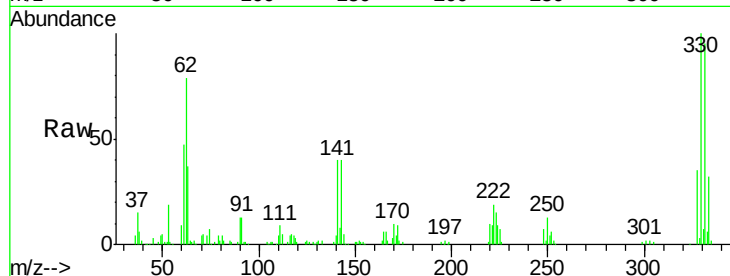
Tot Ion:198 Resp: 128

Ion Ratio Lower Upper

198 100

51 230.9 53.2 93.2#

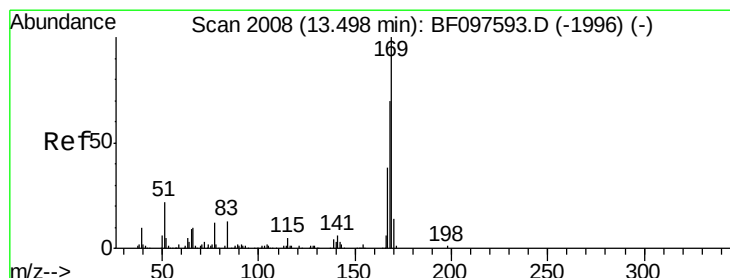
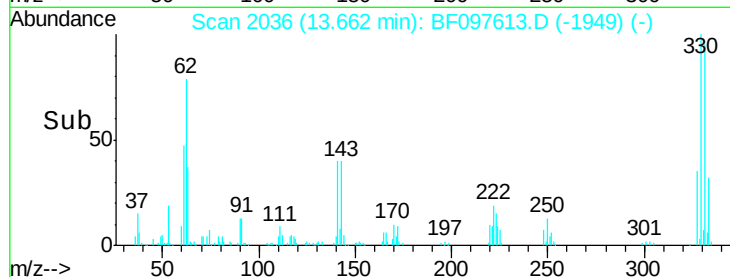
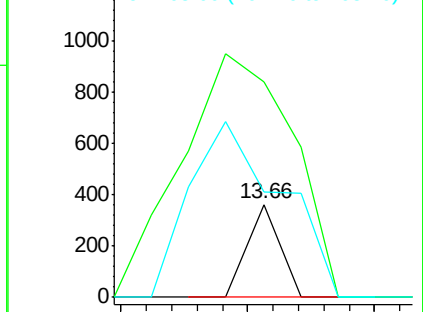
105 113.2 45.8 85.8#



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: 0.61 ng

RT: 13.66 min Scan# 2035

Delta R.T. 0.16 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

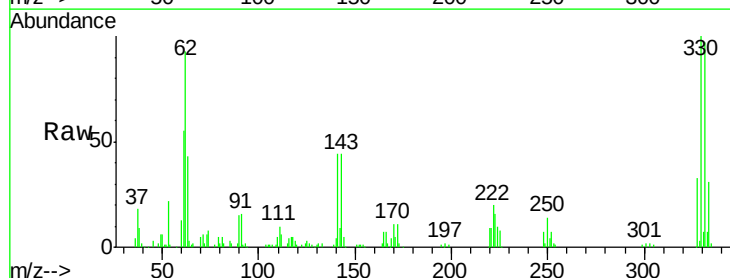
Tgt Ion:169 Resp: 5148

Ion Ratio Lower Upper

169 100

168 8.2 53.2 79.8#

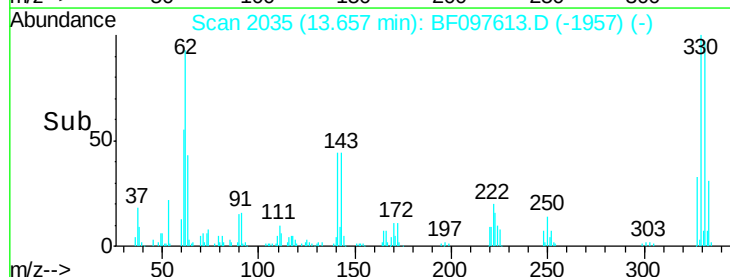
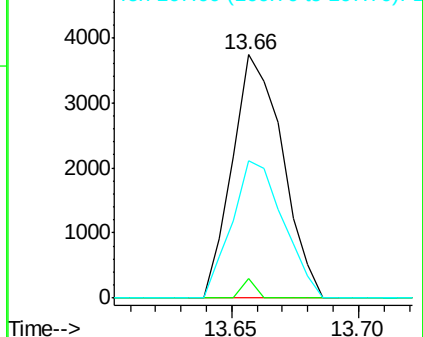
167 56.2 29.5 44.3#

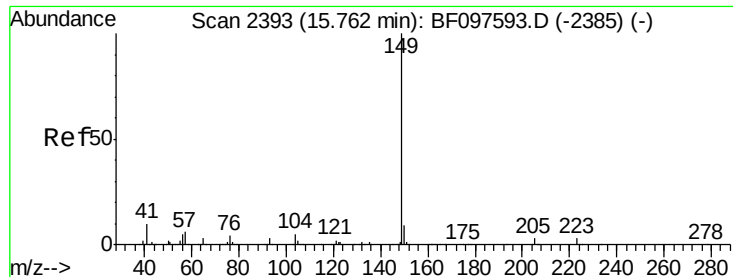


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#73

Di-n-butylphthalate

Concen: 0.05 ng

RT: 15.76 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

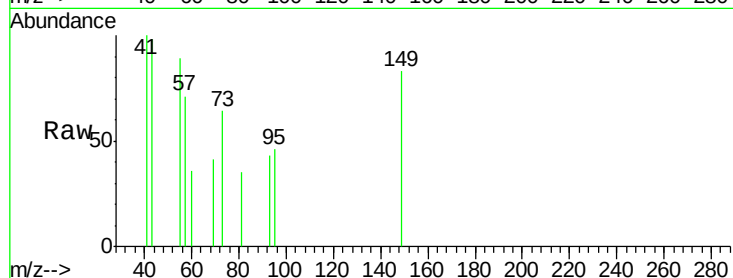
Tot Ion:149 Resp: 789

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

104 0.0 4.0 6.0#



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

1000

800

600

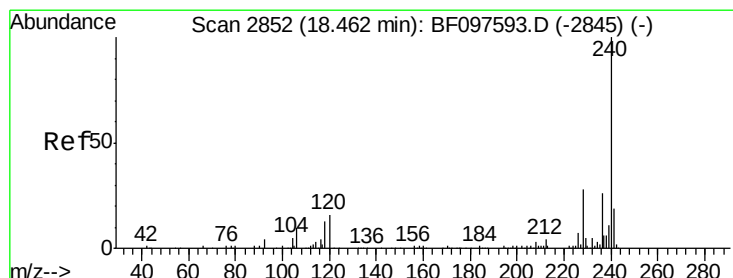
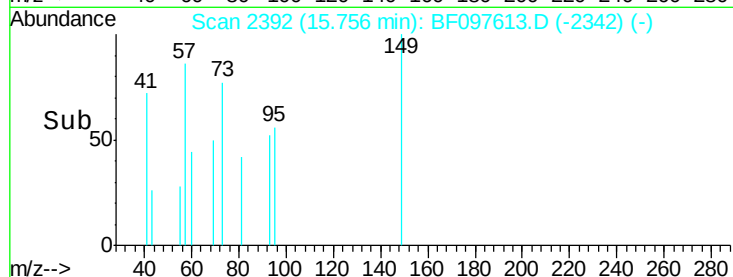
400

200

0

15.74 15.76 15.78

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.46 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

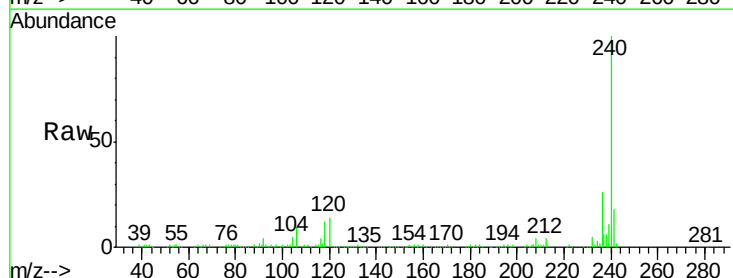
Tgt Ion:240 Resp: 162346

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

236 26.3 20.5 30.7



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

150000

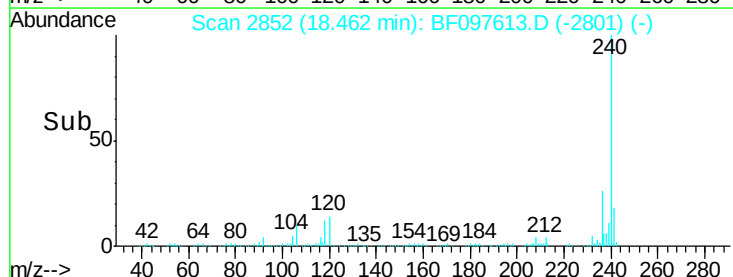
100000

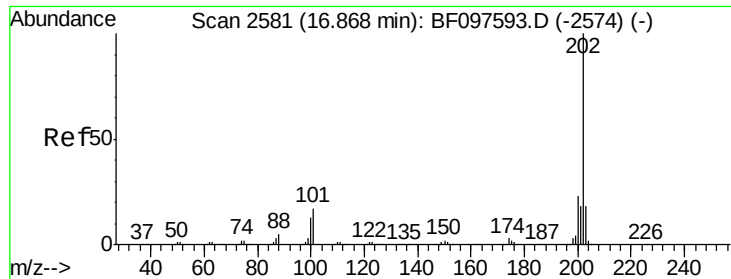
50000

0

18.40 18.46 18.50 18.60

Time-->





#77

Pvrene

Concen: 0.14 ng

RT: 17.12 min Scan# 2623

Delta R.T. 0.25 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

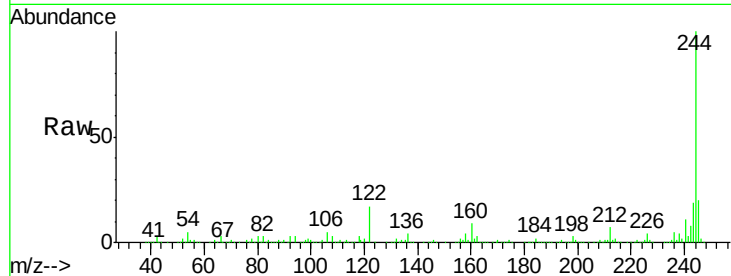
Tot Ion:202 Resp: 1934

Ion Ratio Lower Upper

202 100

200 50.2 17.6 26.4#

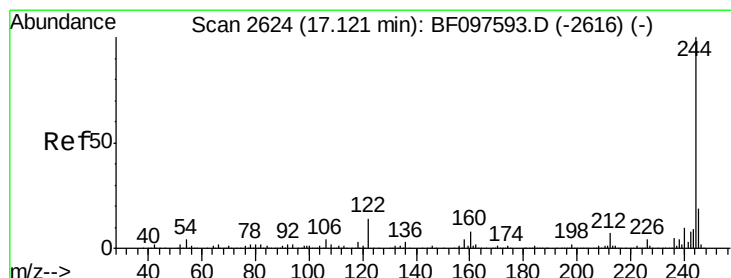
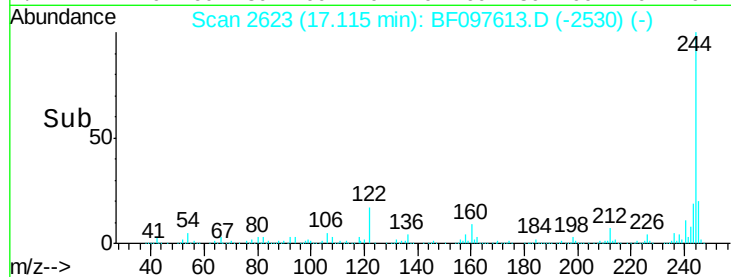
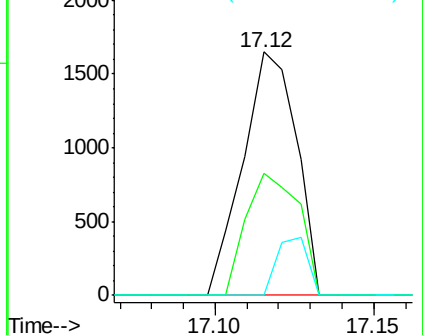
203 0.0 14.4 21.6#



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: 75.98 ng

RT: 17.12 min Scan# 2624

Delta R.T. -0.00 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

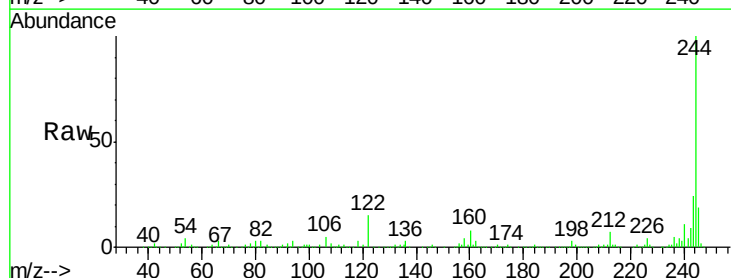
Tgt Ion:244 Resp: 595973

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

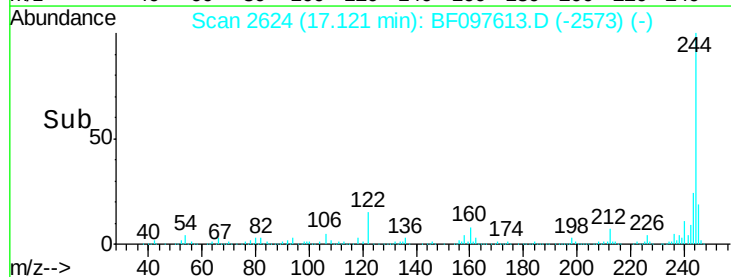
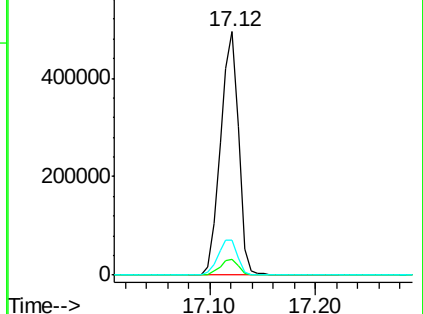
122 14.6 10.3 15.5

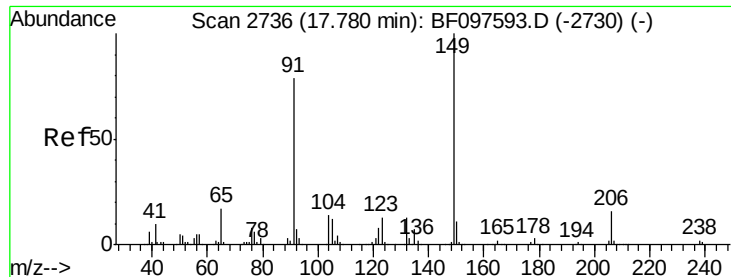


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

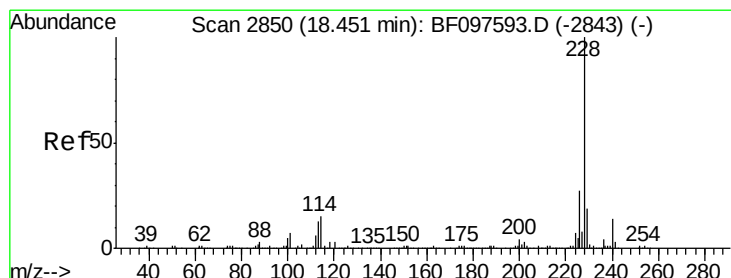
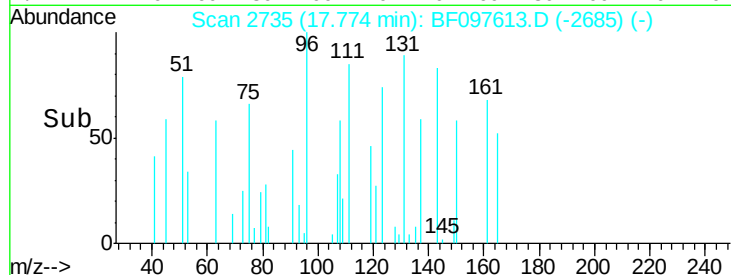
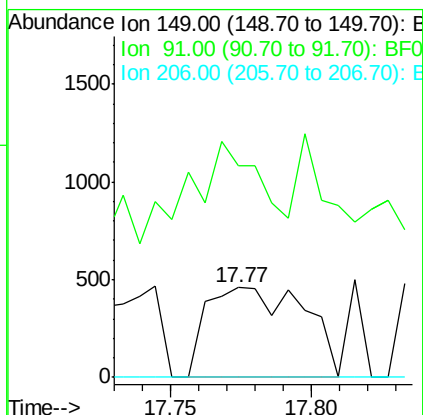
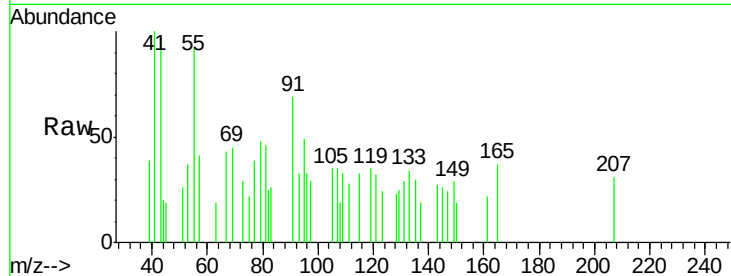




#79
Butylbenzylphthalate
Concen: 0.20 ng
RT: 17.77 min Scan# 2735
Delta R.T. -0.01 min
Lab File: BF097613.D
Acq: 12 Aug 2017 1:08

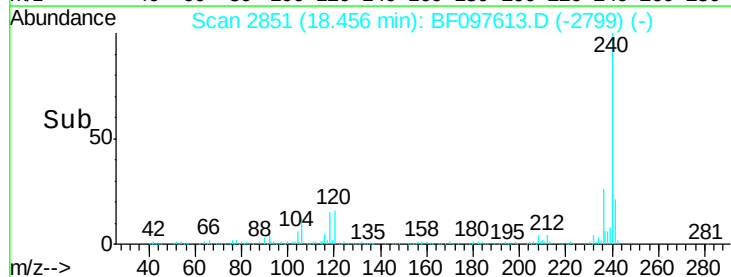
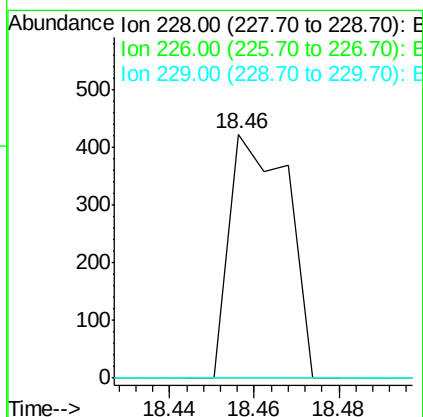
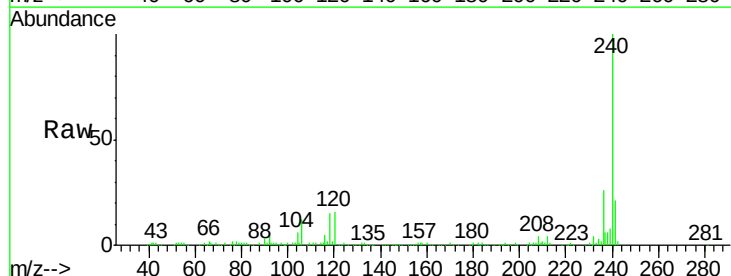
Instrument :
BNA_F
ClientSampleId :
MW-4-080217

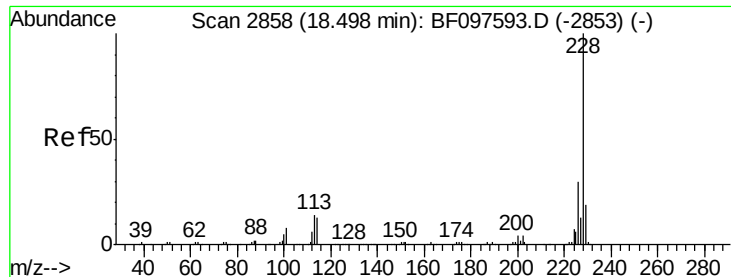
Tot Ion:149 Resp: 1109
Ion Ratio Lower Upper
149 100
91 236.2 45.0 67.4#
206 0.0 17.0 25.6#



#80
Benzo(a)anthracene
Concen: 0.04 ng
RT: 18.46 min Scan# 2851
Delta R.T. 0.01 min
Lab File: BF097613.D
Acq: 12 Aug 2017 1:08

Tgt Ion:228 Resp: 406
Ion Ratio Lower Upper
228 100
226 0.0 22.6 33.8#
229 0.0 16.3 24.5#





#82

Chrysene

Concen: 0.04 ng

RT: 18.46 min Scan# 2851

Delta R.T. -0.04 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

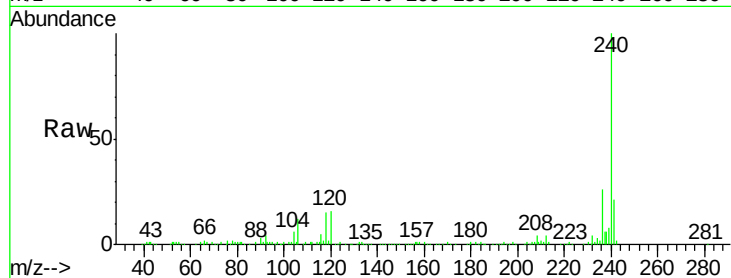
Tot Ion:228 Resp: 406

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

229 0.0 15.8 23.6#



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

18.46

400

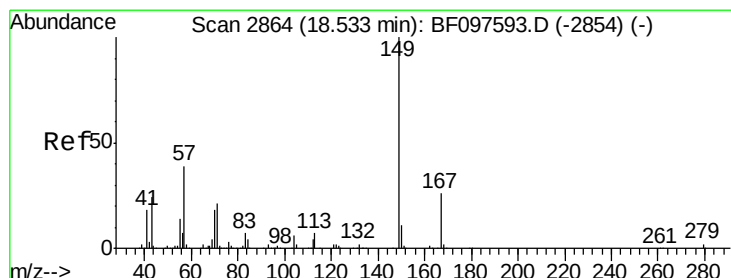
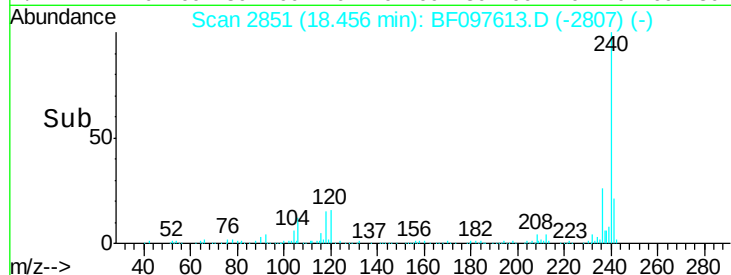
300

200

100

0

Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.17 ng

RT: 18.54 min Scan# 2865

Delta R.T. 0.01 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

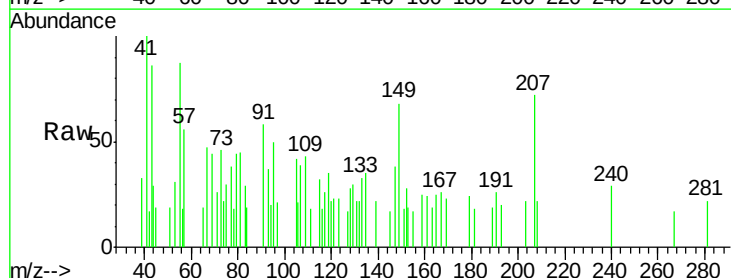
Tgt Ion:149 Resp: 1320

Ion Ratio Lower Upper

149 100

167 38.3 21.0 31.4#

279 0.0 1.9 2.9#



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

18.54

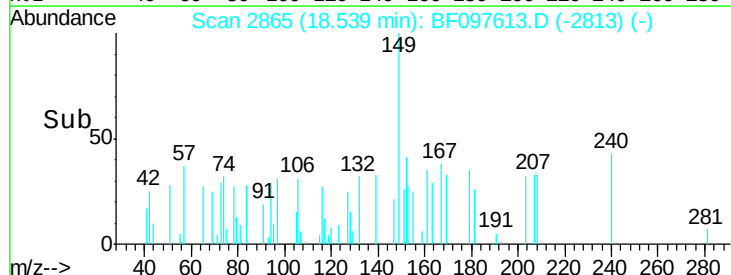
1500

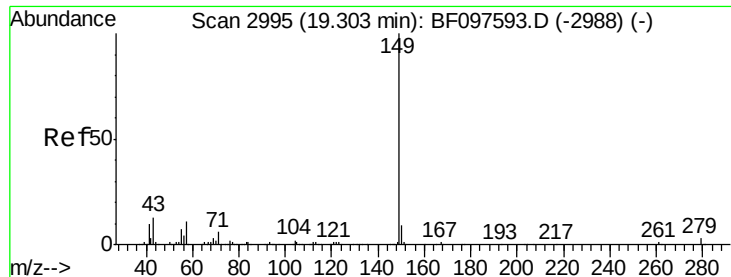
1000

500

0

Time-->





#84

Di-n-octyl phthalate

Concen: 0.02 ng

RT: 19.30 min Scan# 2994

Delta R.T. -0.01 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

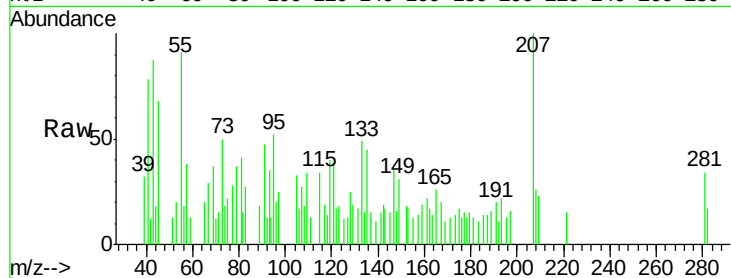
Tot Ion:149 Resp: 268

Ion Ratio Lower Upper

149 100

167 335.4 1.2 1.8#

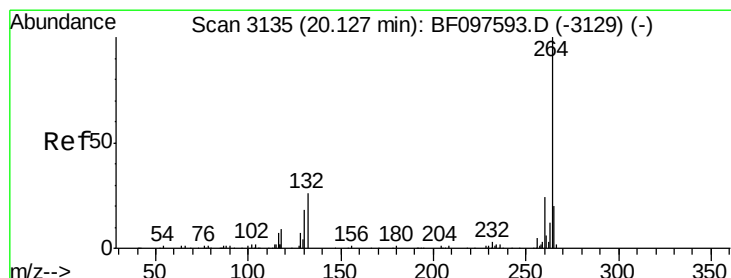
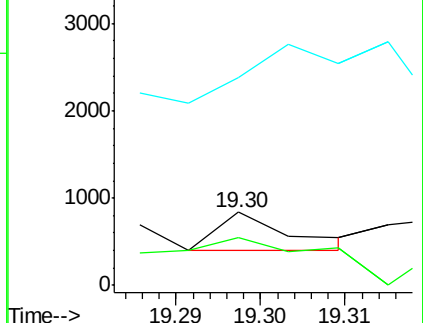
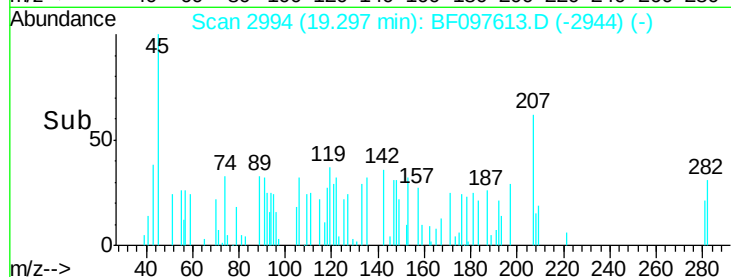
43 0.0 8.5 12.7#



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: 20.13 min Scan# 3135

Delta R.T. -0.00 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

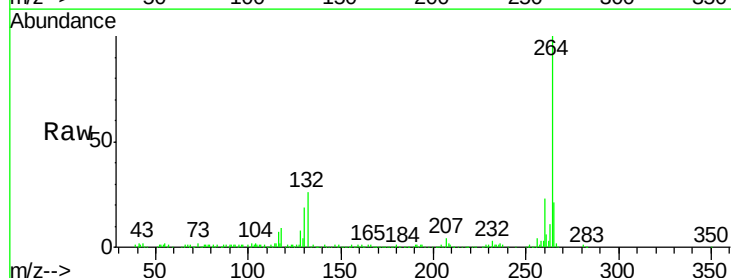
Tgt Ion:264 Resp: 161508

Ion Ratio Lower Upper

264 100

260 22.6 19.5 29.3

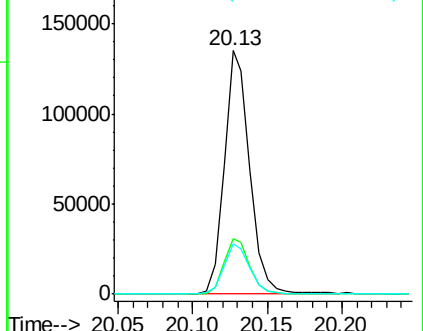
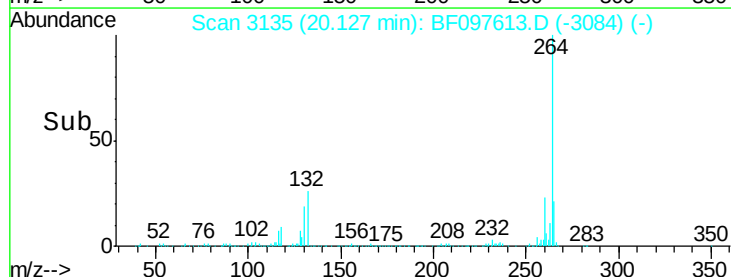
265 20.9 17.2 25.8

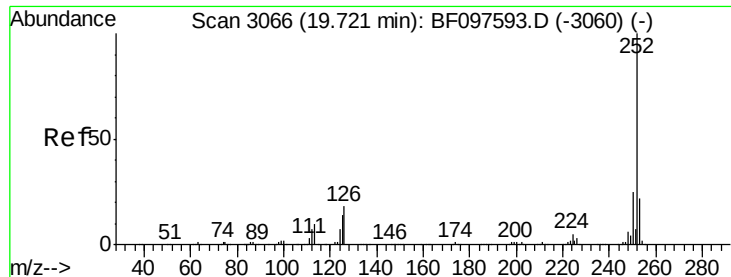


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 0.01 ng

RT: 19.74 min Scan# 3069

Delta R.T. 0.02 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

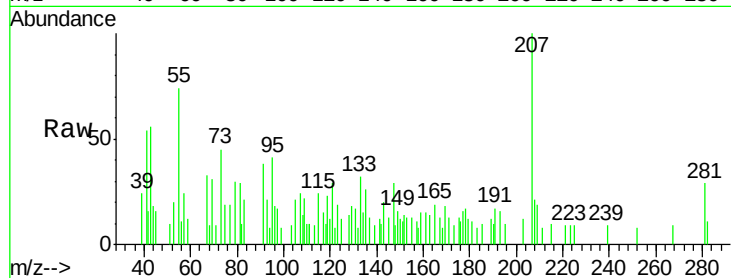
Tot Ion:252 Resp: 106

Ion Ratio Lower Upper

252 100

253 0.0 18.1 27.1#

125 148.2 9.8 14.8#

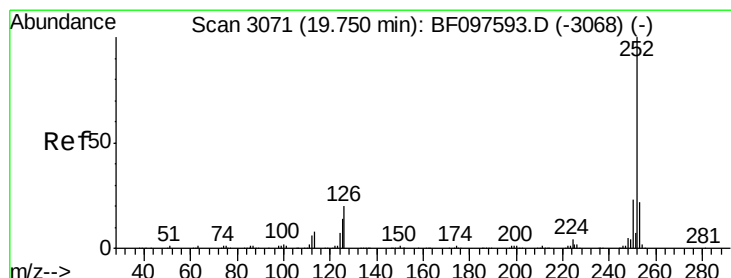
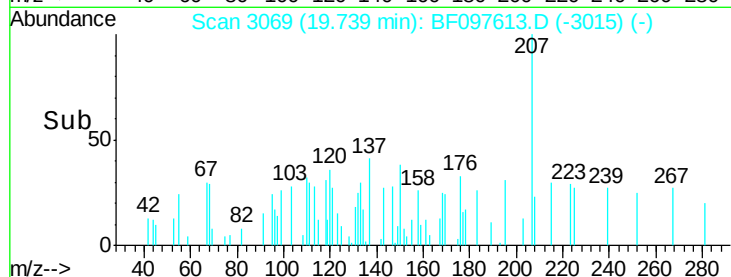
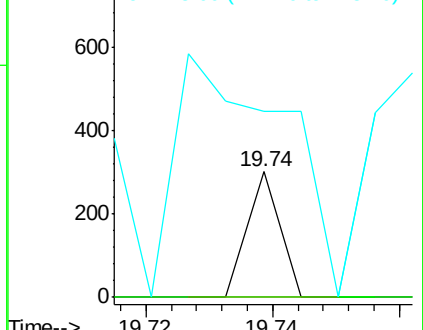


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 19.74 min Scan# 3069

Delta R.T. -0.01 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

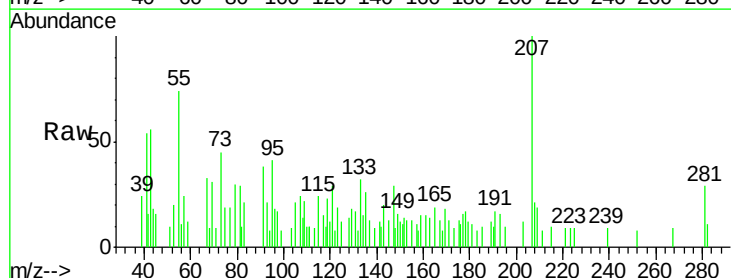
Tgt Ion:252 Resp: 106

Ion Ratio Lower Upper

252 100

253 0.0 18.4 27.6#

125 148.2 13.1 19.7#

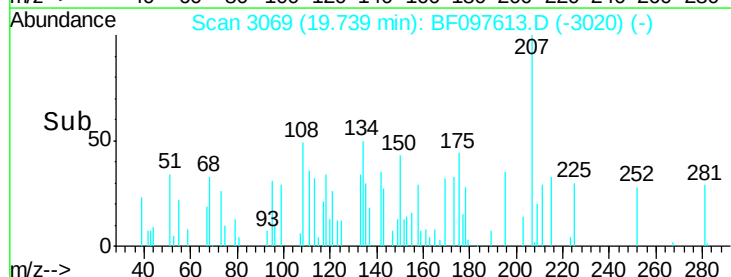
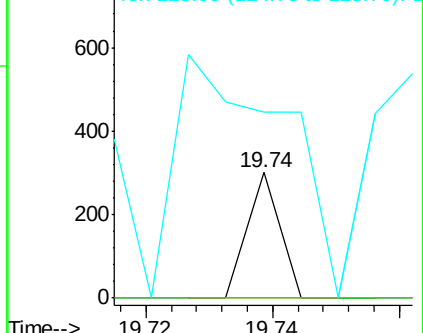


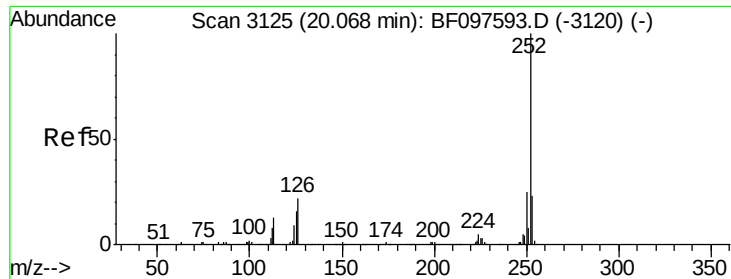
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.10 ng

RT: 20.13 min Scan# 3135

Delta R.T. 0.06 min

Lab File: BF097613.D

Acq: 12 Aug 2017 1:08

Instrument :

BNA_F

ClientSampleId :

MW-4-080217

Tot Ion: 252 Resp: 885

Ion Ratio Lower Upper

252 100

253 51.6 17.5 26.3#

125 60.5 11.0 16.4#

