

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\
 Data File : BF097133.D
 Acq On : 27 Jul 2017 20:13
 Operator : SJ/JU
 Sample : I4442-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 28 00:44:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

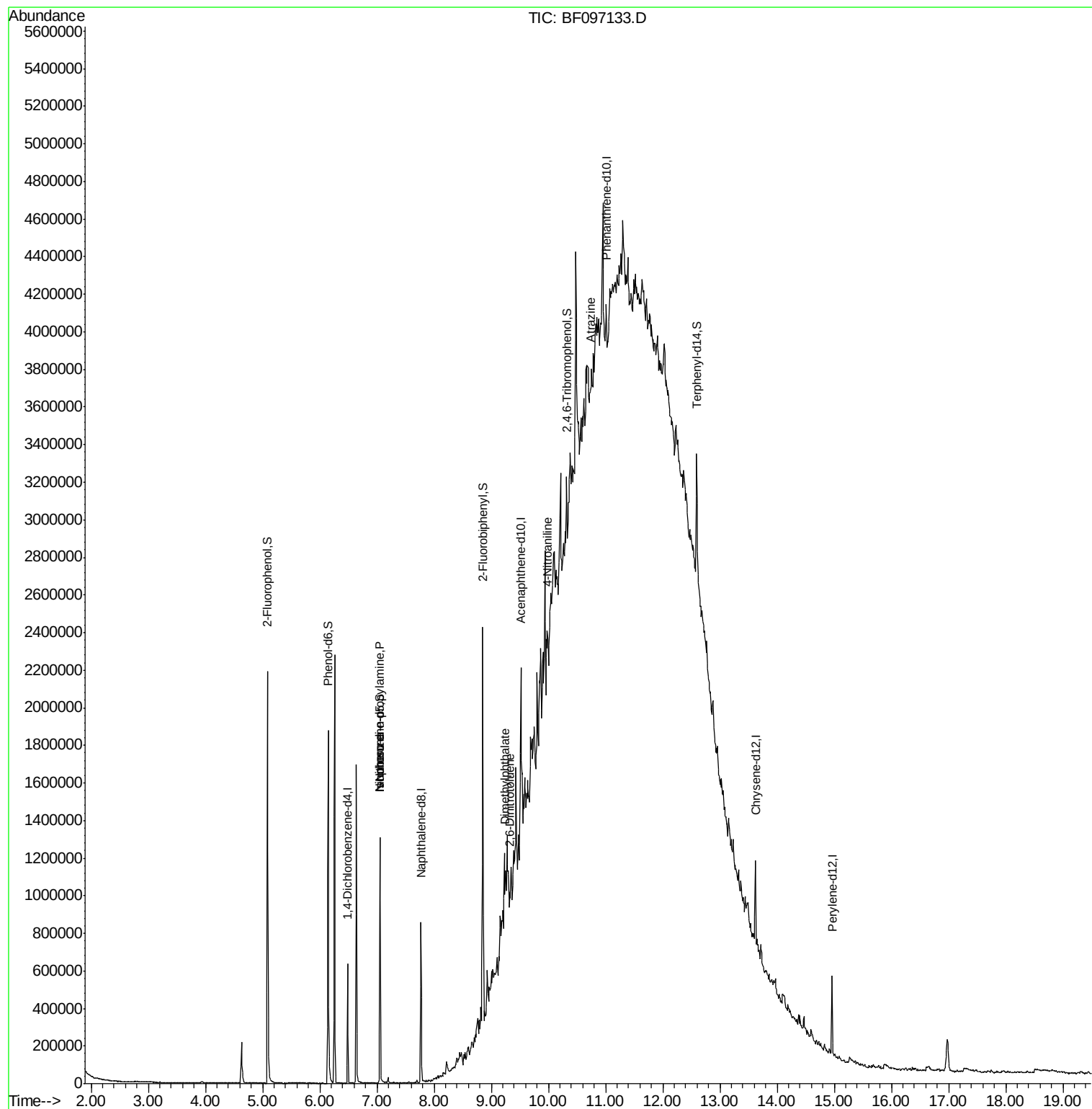
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	90873	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	365592	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	144066	20.00	ng	-0.02
63) Phenanthrene-d10	11.01	188	146388	20.00	ng	0.00
75) Chrysene-d12	13.62	240	170615	20.00	ng	0.00
86) Perylene-d12	14.96	264	162666	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	618098	102.54	ng	-0.01
7) Phenol-d6	6.15	99	691416	100.47	ng	-0.02
23) Nitrobenzene-d5	7.05	82	405748	65.11	ng	-0.02
41) 2,4,6-Tribromophenol	10.32	330	102049	89.65	ng	0.00
44) 2-Fluorobiphenyl	8.85	172	705733	83.14	ng	-0.02
78) Terphenyl-d14	12.59	244	393754	47.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.05	70	54986	12.14	ng	# 87
25) Isophorone	7.05	82	399413	32.73	ng	# 67
49) Dimethylphthalate	9.25	163	104080	9.51	ng	# 98
50) 2,6-Dinitrotoluene	9.33	165	5121	2.21	ng	# 41
61) 4-Nitroaniline	9.98	138	10079	3.68	ng	# 86
68) Atrazine	10.74	200	4128	2.83	ng	# 1

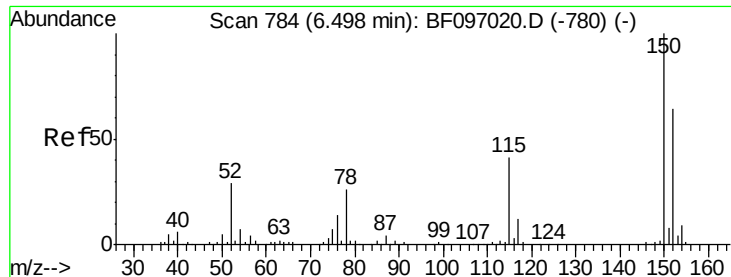
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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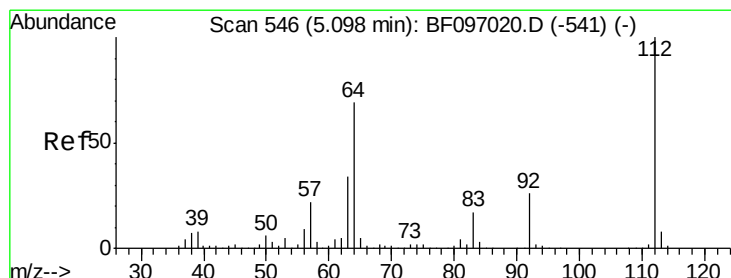
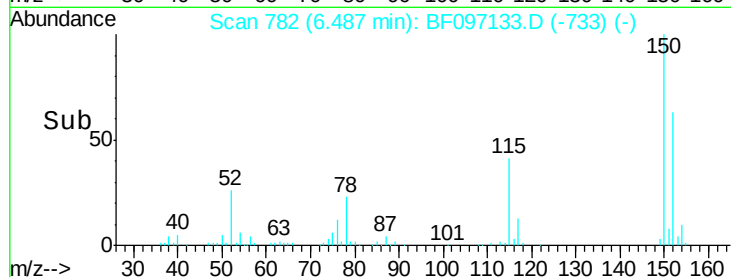
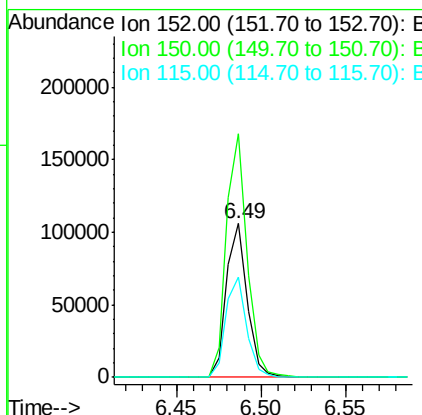
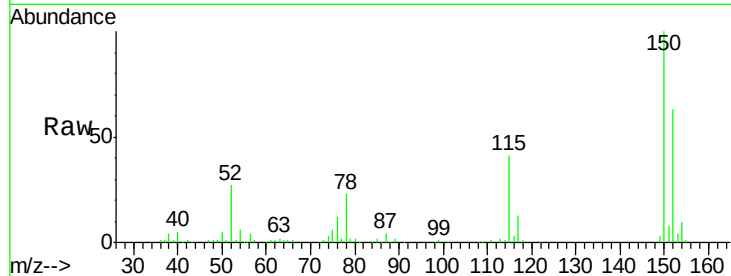


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097133.D
Acq: 27 Jul 2017 20:13

Instrument :
BNA_F
ClientSampled :

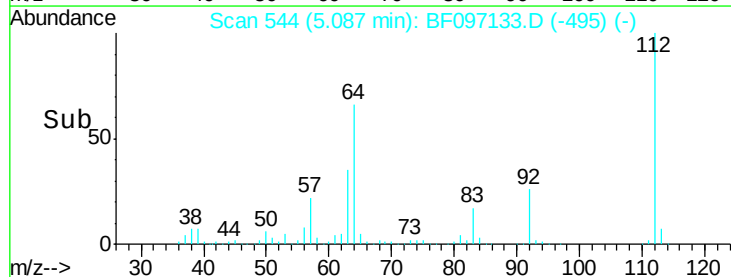
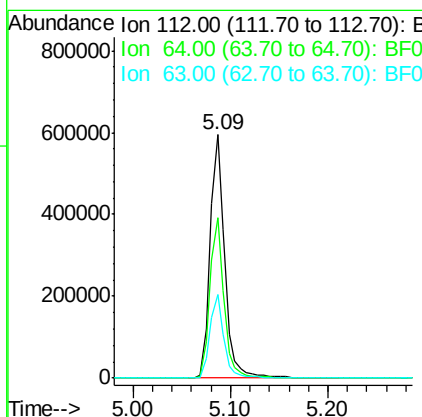
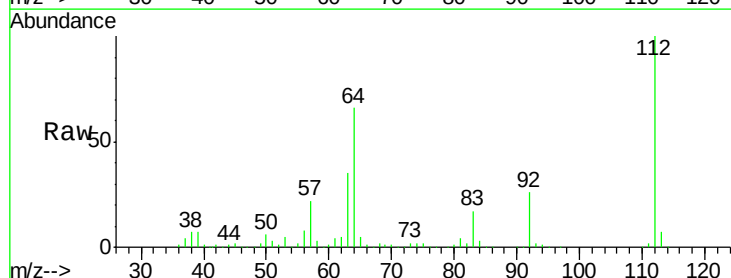
Tot Ion:152 Resp: 90873
Ion Ratio Lower Upper
152 100
150 158.5 126.2 189.2
115 65.1 52.2 78.2

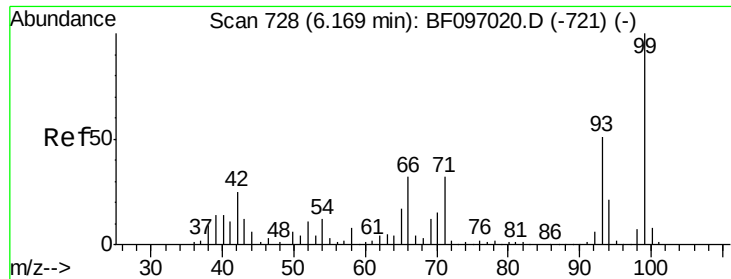


#5

2-Fluorophenol
Concen: 102.54 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097133.D
Acq: 27 Jul 2017 20:13

Tgt Ion:112 Resp: 618098
Ion Ratio Lower Upper
112 100
64 66.1 46.0 69.0
63 34.5 23.4 35.0





#7

Phenol-d6

Concen: 100.47 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097133.D

Acq: 27 Jul 2017 20:13

Instrument :

BNA_F

ClientSampleId :

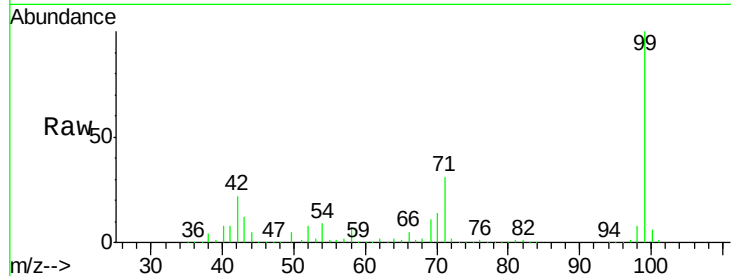
Tot Ion: 99 Resp: 691416

Ion Ratio Lower Upper

99 100

42 21.8 13.5 20.3#

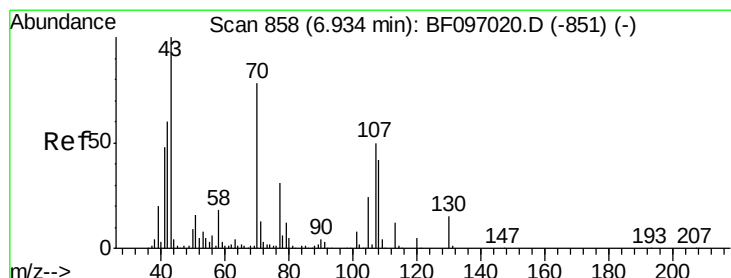
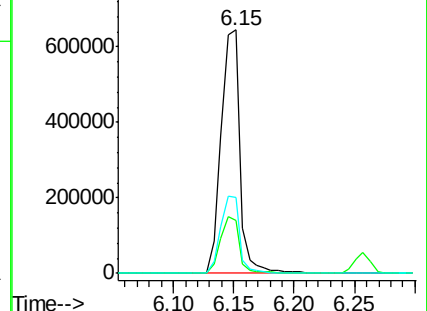
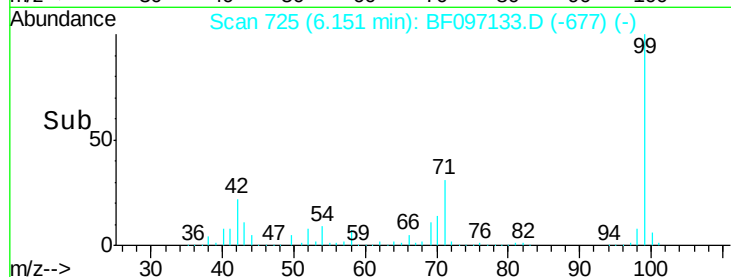
71 31.2 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.14 ng

RT: 7.05 min Scan# 878

Delta R.T. 0.12 min

Lab File: BF097133.D

Acq: 27 Jul 2017 20:13

Tgt Ion: 70 Resp: 54986

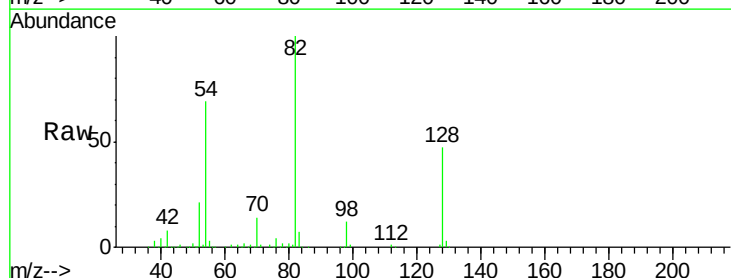
Ion Ratio Lower Upper

70 100

42 60.6 47.2 70.8

101 0.0 7.2 10.8#

130 1.6 15.9 23.9#

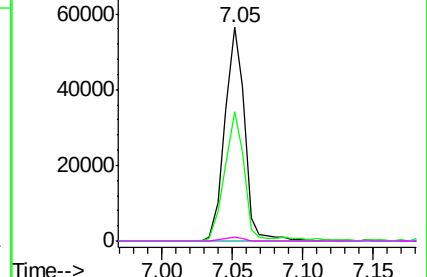
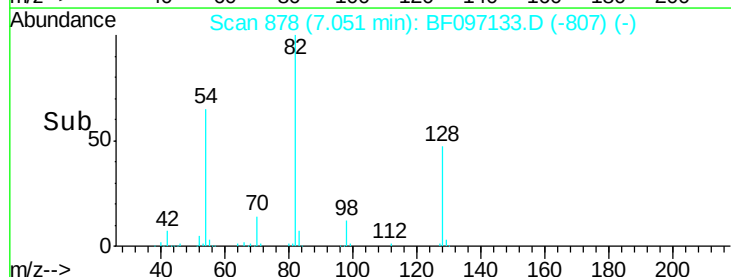


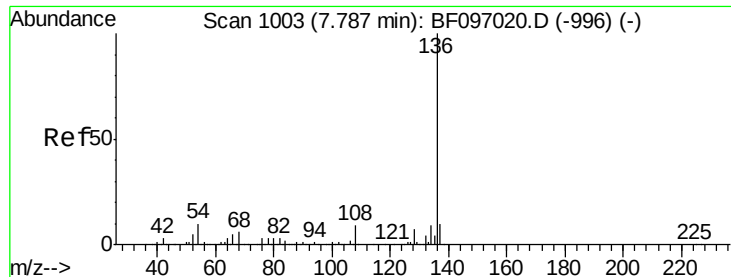
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.77 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF097133.D

Acq: 27 Jul 2017 20:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 365592

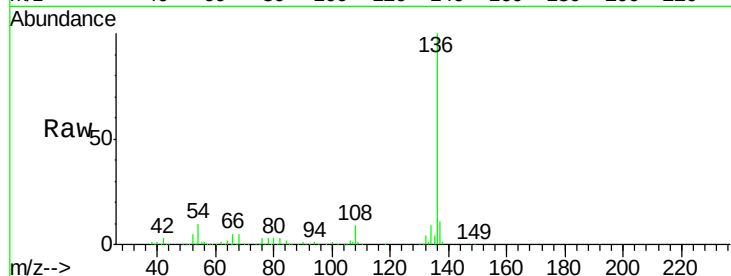
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 9.8 4.9 7.3#

68 4.9 4.1 6.1

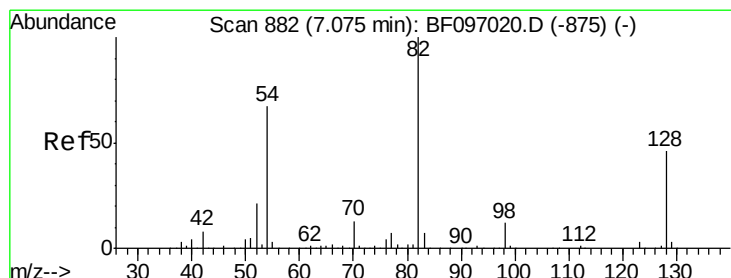
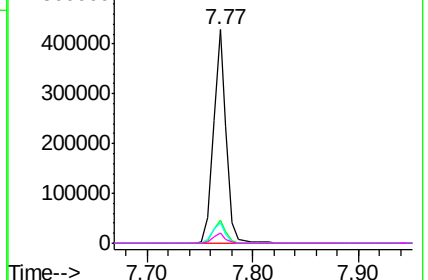
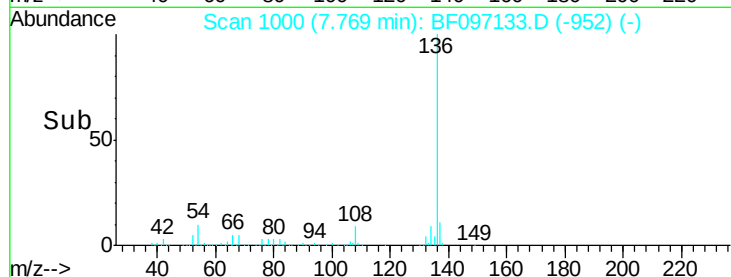


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.11 ng

RT: 7.05 min Scan# 878

Delta R.T. -0.02 min

Lab File: BF097133.D

Acq: 27 Jul 2017 20:13

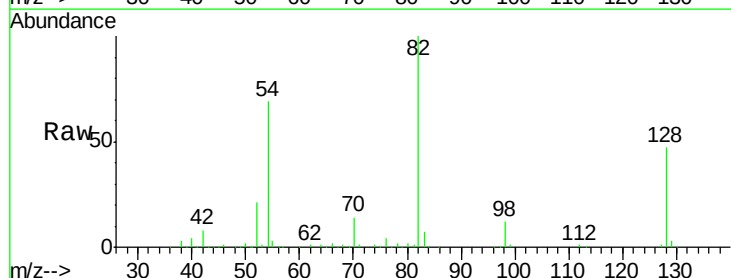
Tgt Ion: 82 Resp: 405748

Ion Ratio Lower Upper

82 100

128 47.0 34.0 51.0

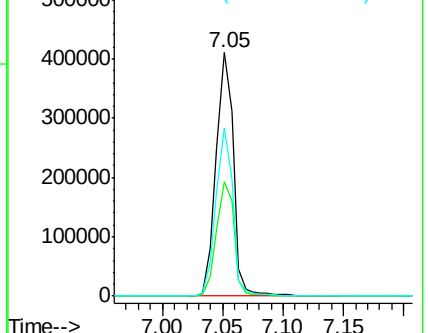
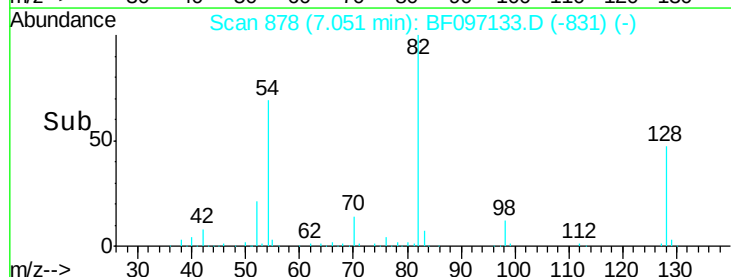
54 68.9 42.2 63.2#

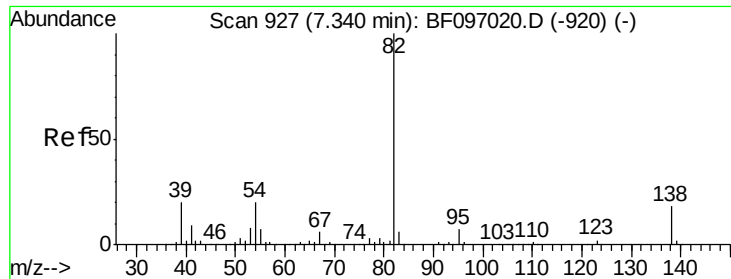


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.73 ng

RT: 7.05 min Scan# 878

Delta R.T. -0.29 min

Lab File: BF097133.D

Acq: 27 Jul 2017 20:13

Instrument :

BNA_F

ClientSampleId :

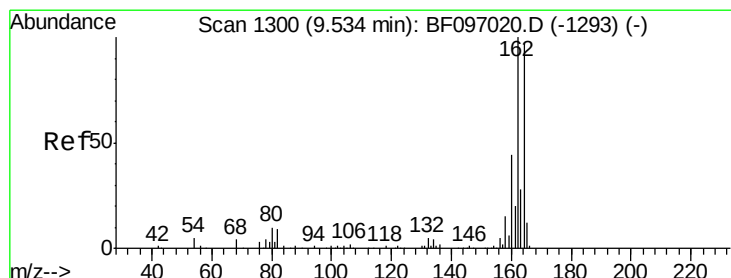
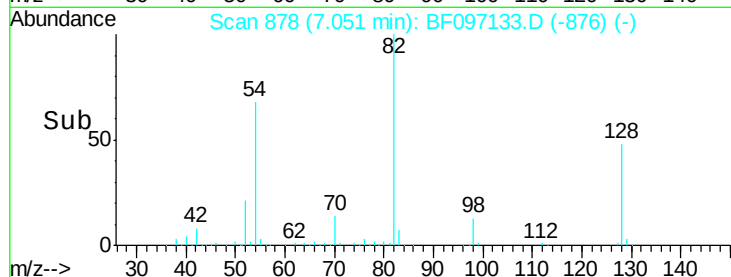
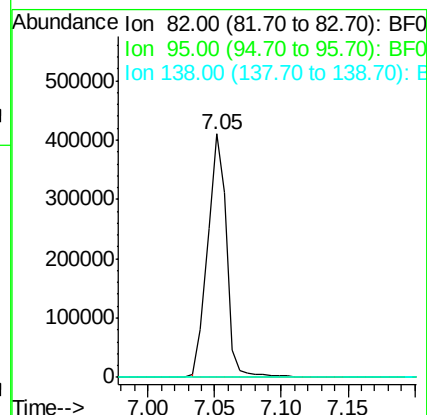
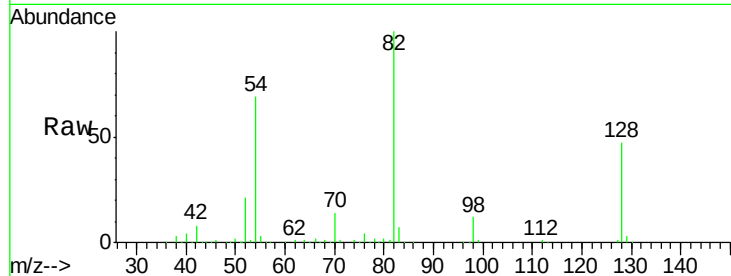
Tot Ion: 82 Resp: 399413

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: 9.52 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF097133.D

Acq: 27 Jul 2017 20:13

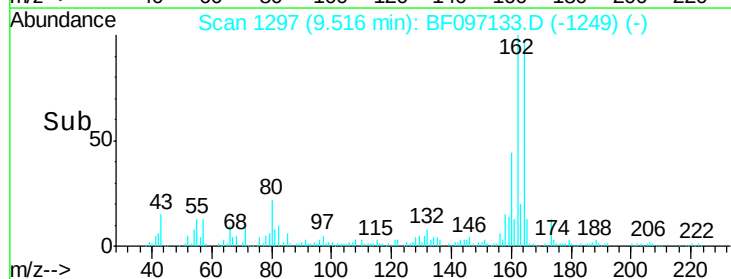
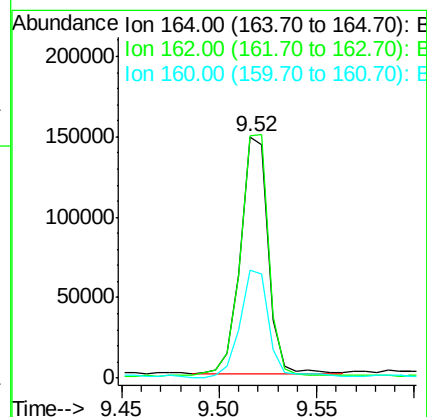
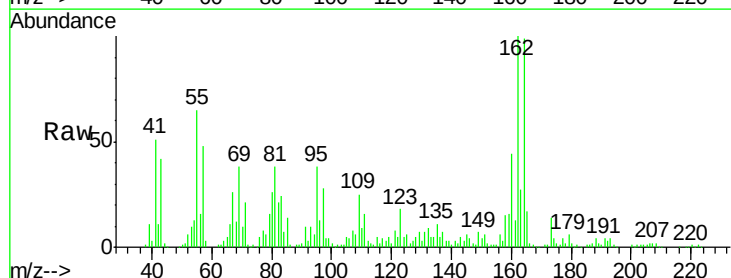
Tgt Ion: 164 Resp: 144066

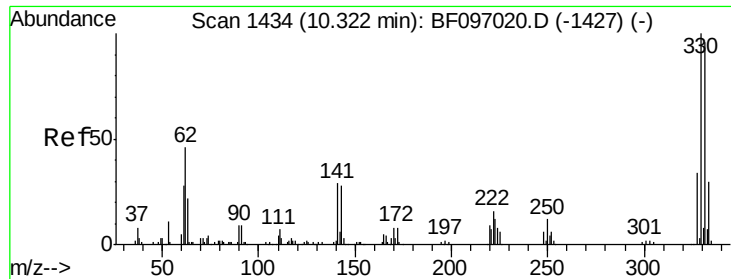
Ion Ratio Lower Upper

164 100

162 100.7 82.6 123.8

160 44.5 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 89.65 ng

RT: 10.32 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF097133.D

Acq: 27 Jul 2017 20:13

Instrument :

BNA_F

ClientSampleId :

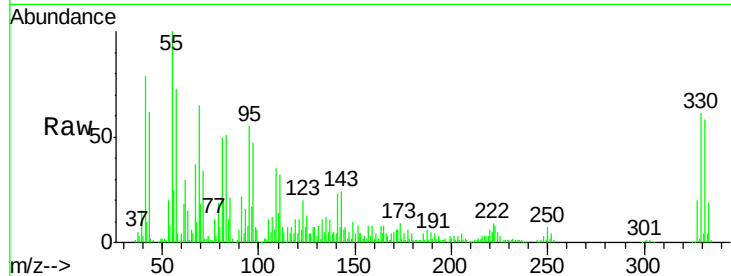
Tot Ion:330 Resp: 102049

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

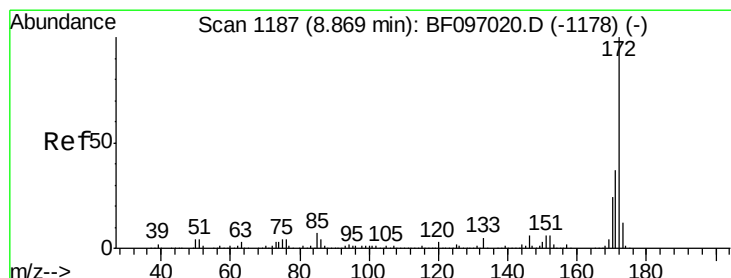
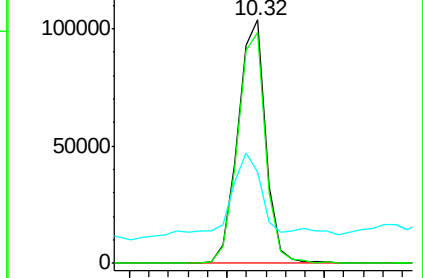
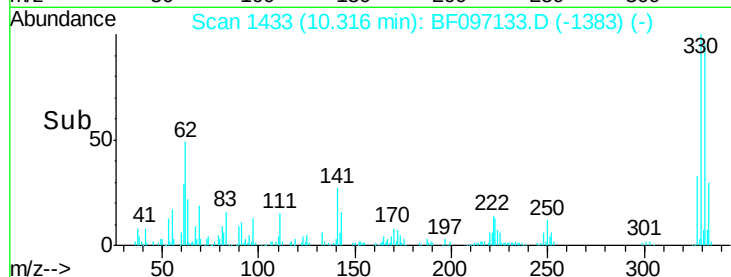
141 46.4 31.4 47.2



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: 83.14 ng

RT: 8.85 min Scan# 1184

Delta R.T. -0.02 min

Lab File: BF097133.D

Acq: 27 Jul 2017 20:13

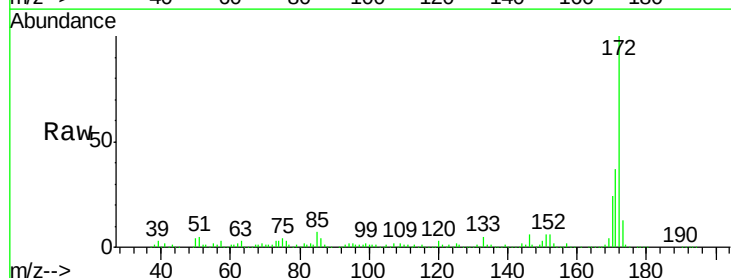
Tgt Ion:172 Resp: 705733

Ion Ratio Lower Upper

172 100

171 36.9 29.6 44.4

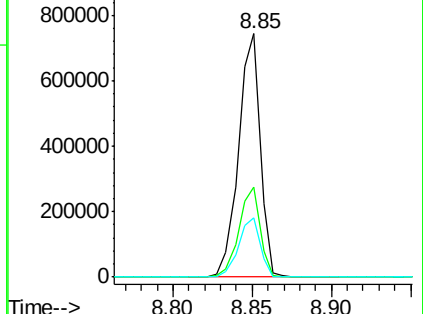
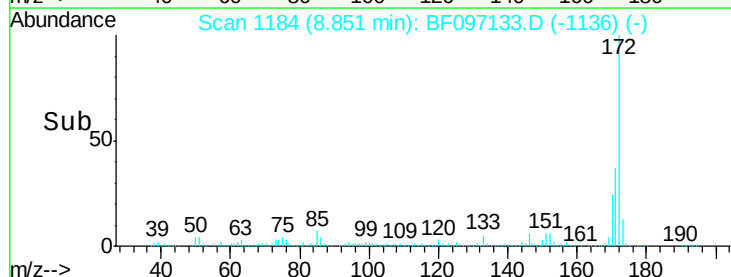
170 24.2 19.8 29.8

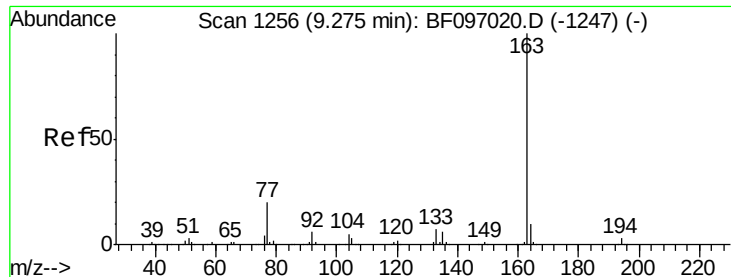


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

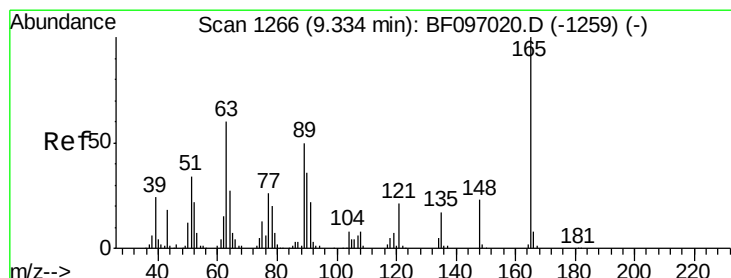
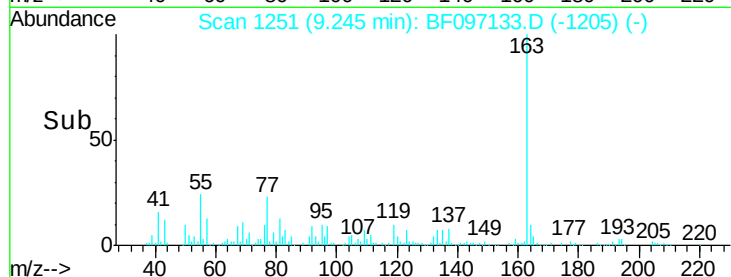
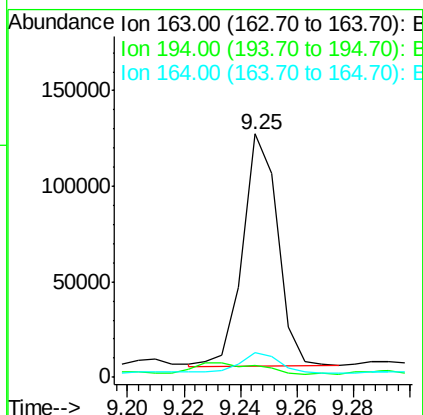
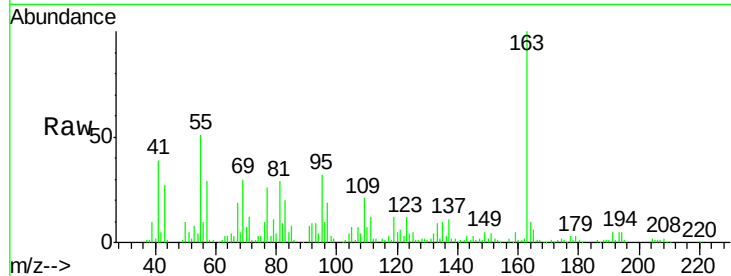




#49
Dimethylphthalate
Concen: 9.51 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097133.D
Acq: 27 Jul 2017 20:13

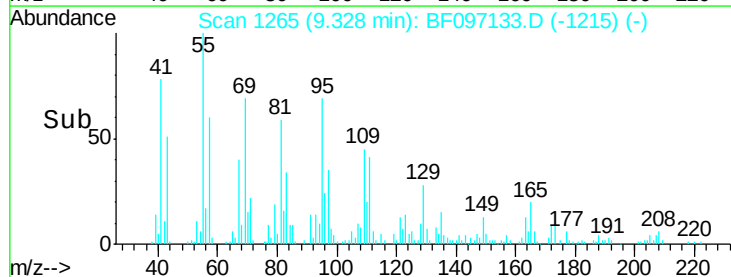
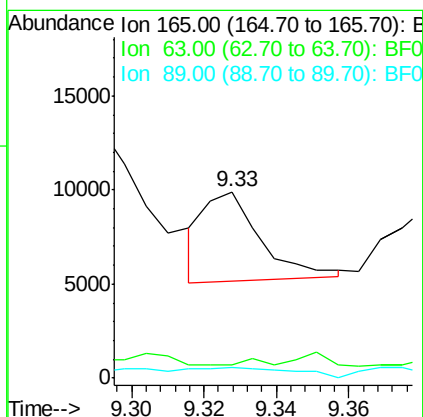
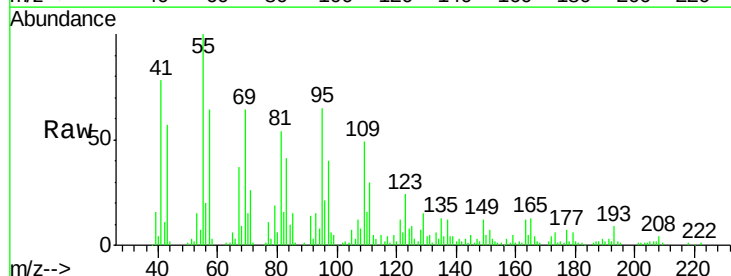
Instrument :
BNA_F
ClientSampleId :

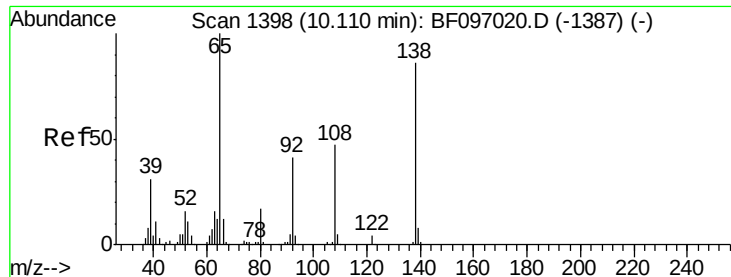
Tot Ion:163 Resp: 104080
Ion Ratio Lower Upper
163 100
194 4.9 2.6 4.0#
164 10.3 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 2.21 ng
RT: 9.33 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF097133.D
Acq: 27 Jul 2017 20:13

Tgt Ion:165 Resp: 5121
Ion Ratio Lower Upper
165 100
63 7.3 34.3 51.5#
89 5.6 37.1 55.7#

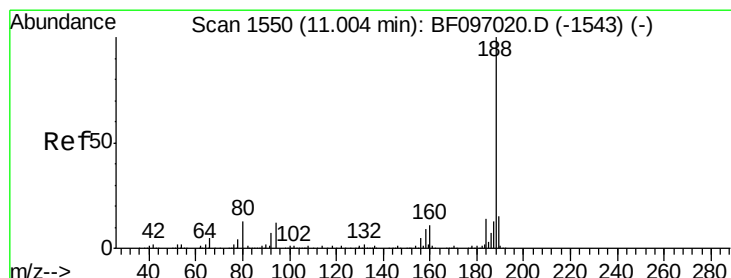
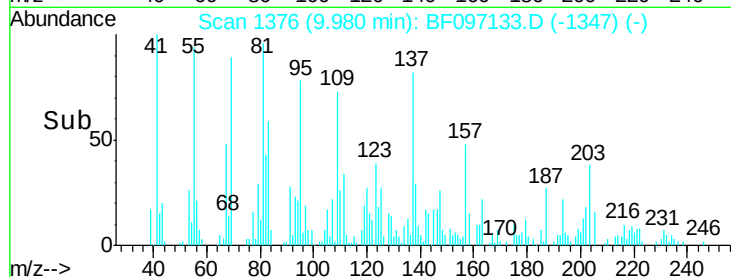
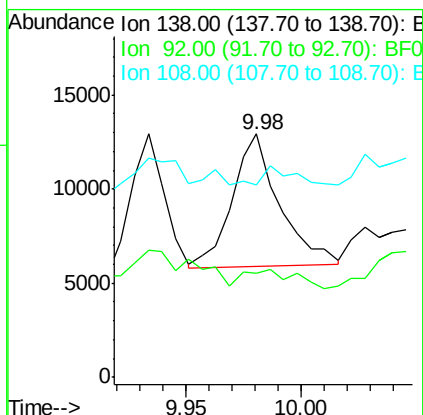
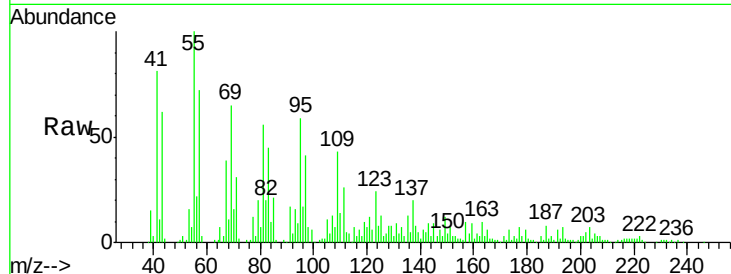




#61
4-Nitroaniline
Concen: 3.68 ng
RT: 9.98 min Scan# 1376
Delta R.T. -0.13 min
Lab File: BF097133.D
Acq: 27 Jul 2017 20:13

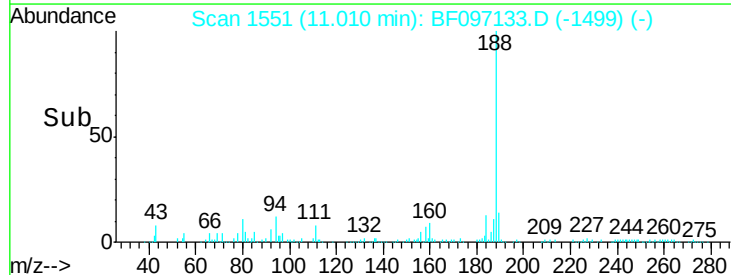
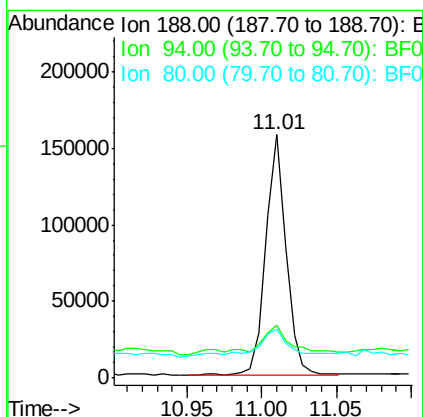
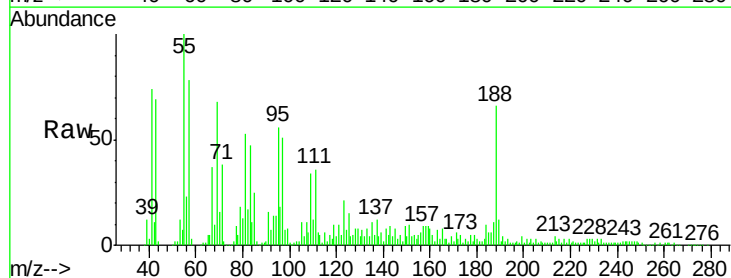
Instrument :
BNA_F
ClientSampled :

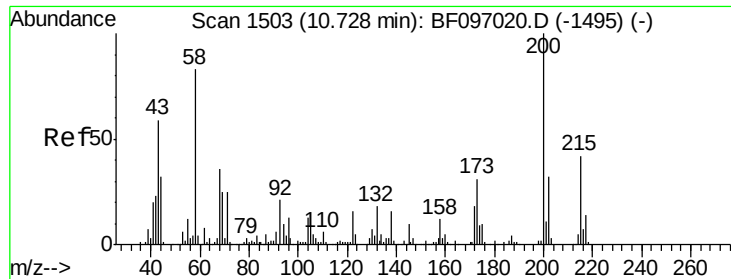
Tot Ion:138 Resp: 10079
Ion Ratio Lower Upper
138 100
92 42.7 21.8 61.8
108 79.0 42.3 82.3



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.01 min Scan# 1551
Delta R.T. 0.01 min
Lab File: BF097133.D
Acq: 27 Jul 2017 20:13

Tgt Ion:188 Resp: 146388
Ion Ratio Lower Upper
188 100
94 21.9 9.4 14.2#
80 20.0 10.2 15.2#

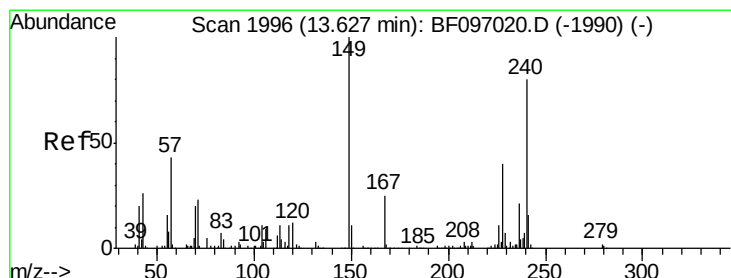
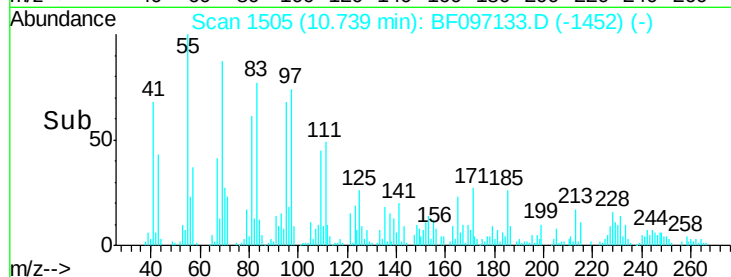
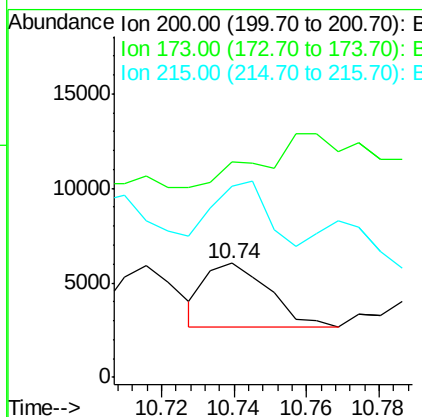
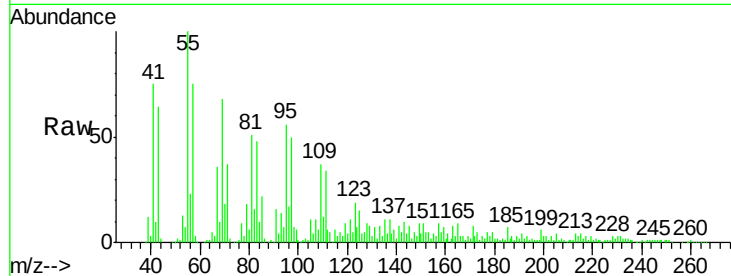




#68
Atrazine
Concen: 2.83 ng
RT: 10.74 min Scan# 1505
Delta R.T. 0.01 min
Lab File: BF097133.D
Acq: 27 Jul 2017 20:13

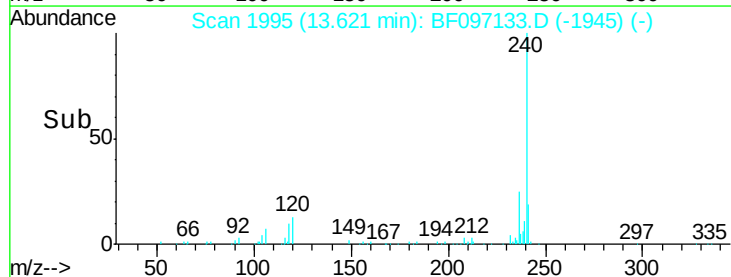
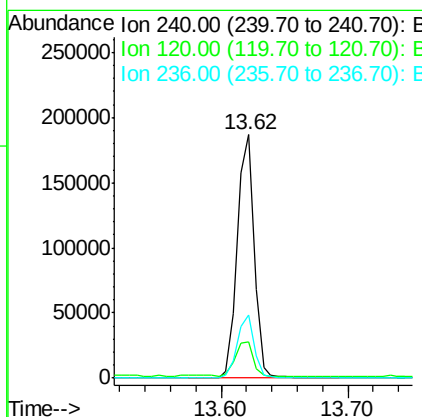
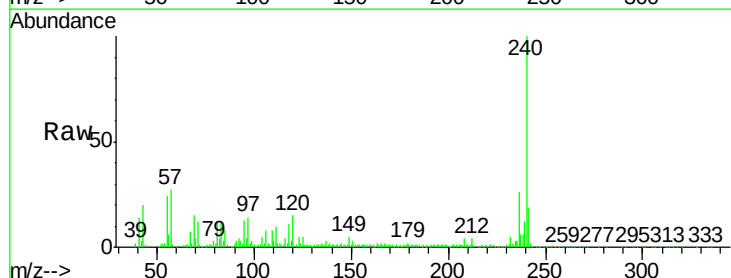
Instrument :
BNA_F
ClientSampled :

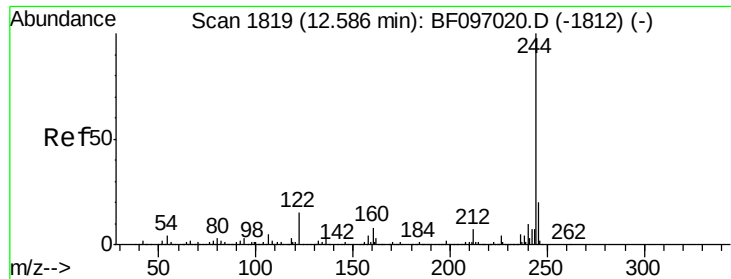
Tot Ion:200 Resp: 4128
Ion Ratio Lower Upper
200 100
173 188.3 6.3 46.3#
215 167.7 27.2 67.2#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.62 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097133.D
Acq: 27 Jul 2017 20:13

Tgt Ion:240 Resp: 170615
Ion Ratio Lower Upper
240 100
120 14.9 5.8 8.8#
236 25.7 20.5 30.7





#78

Terphenyl-d14

Concen: 47.05 ng

RT: 12.59 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF097133.D

Acq: 27 Jul 2017 20:13

Instrument :

BNA_F

ClientSampleId :

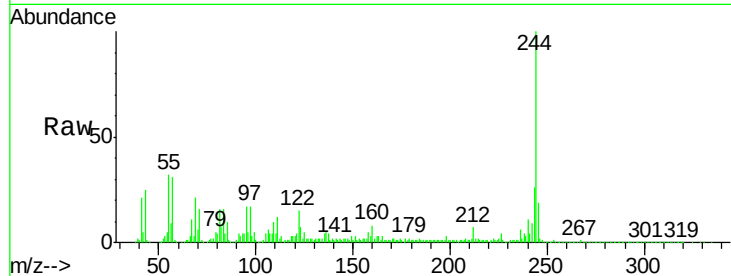
Tot Ion:244 Resp: 393754

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 14.9 10.3 15.5

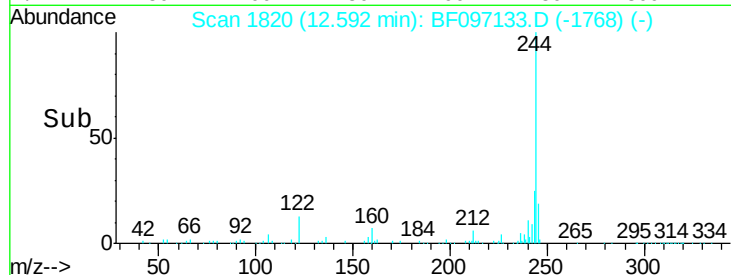


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



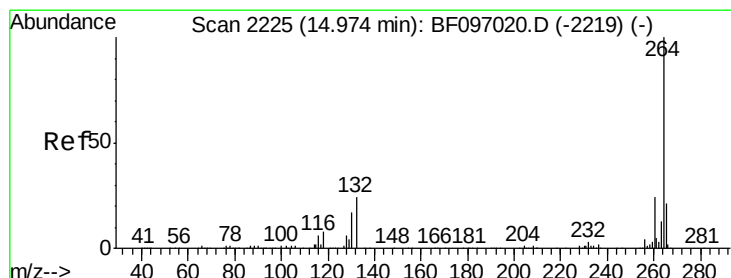
Abundance

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

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.96 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF097133.D

Acq: 27 Jul 2017 20:13

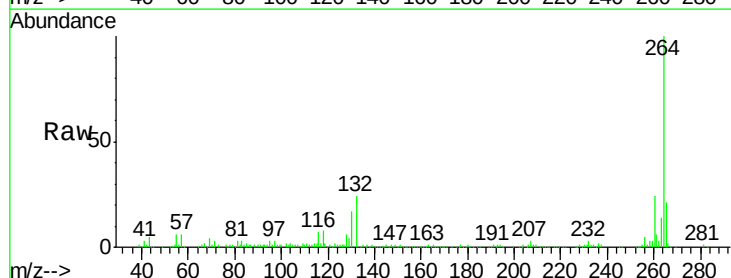
Tgt Ion:264 Resp: 162666

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 21.4 17.2 25.8

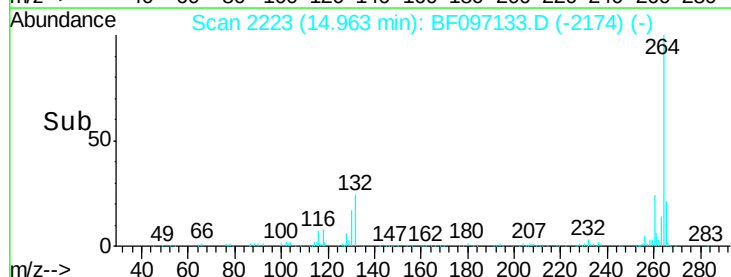


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->



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

Time-->