

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097029.D
 Acq On : 25 Jul 2017 15:22
 Operator : SJ/JU
 Sample : PB100892BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 25 16:53:46 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

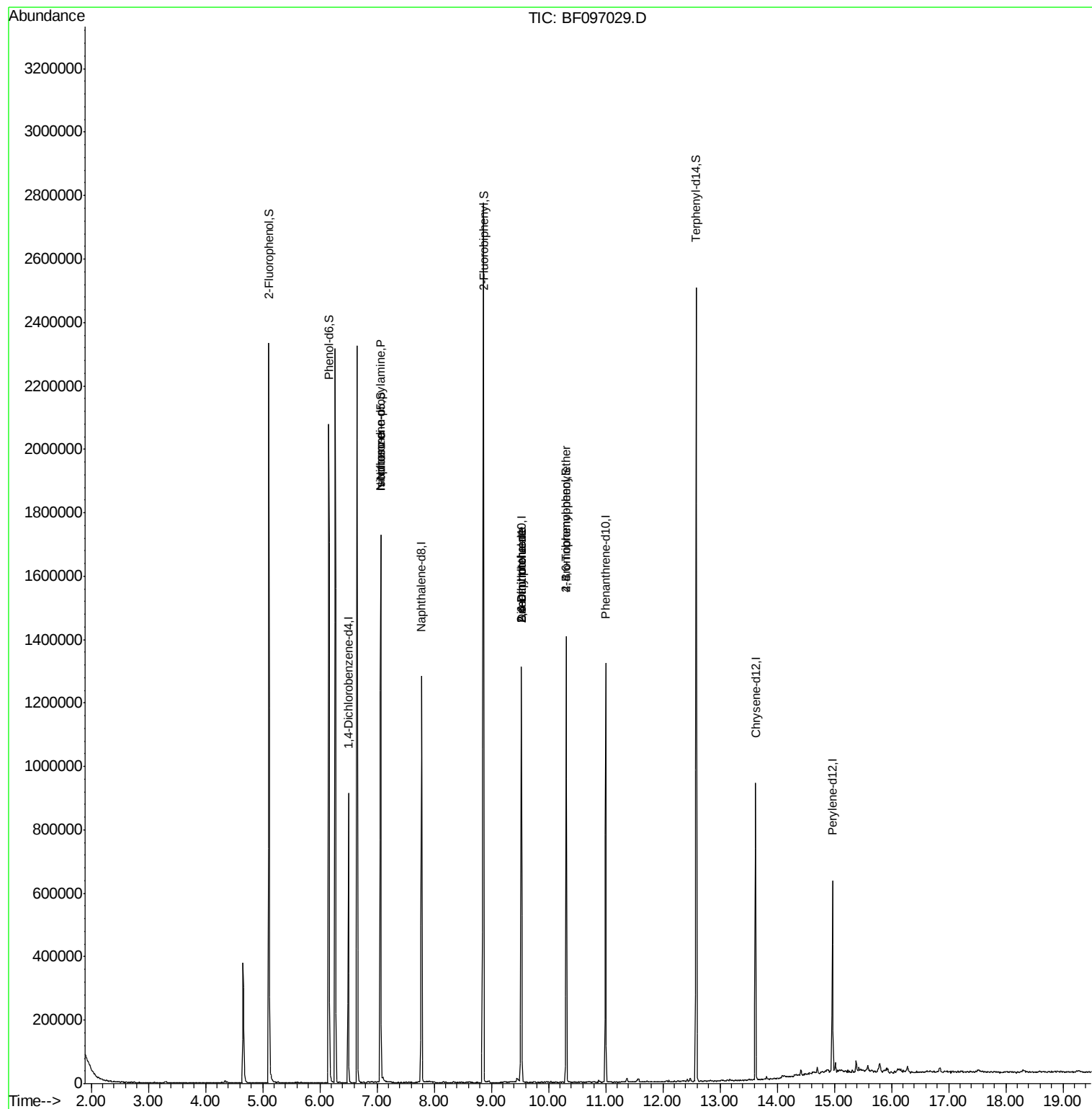
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	142950	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	630173	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	281369	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	458757	20.00	ng	0.00
75) Chrysene-d12	13.62	240	311873	20.00	ng	0.00
86) Perylene-d12	14.97	264	224524	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	653010	68.86	ng	0.01
7) Phenol-d6	6.16	99	735502	67.94	ng	-0.01
23) Nitrobenzene-d5	7.06	82	636523	59.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	152583	68.64	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	1144739	69.05	ng	0.00
78) Terphenyl-d14	12.59	244	852564	55.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.06	70	87186	12.235	ng	# 87
25) Isophorone	7.06	82	607841	28.894	ng	# 67
49) Dimethylphthalate	9.53	163	84250	3.943	ng	# 1
50) 2,6-Dinitrotoluene	9.53	165	36192	7.986	ng	# 34
56) 2,4-Dinitrotoluene	9.53	165	36192	6.947	ng	# 33
66) 4-Bromophenyl-phenylether	10.31	248	9564	2.089	ng	# 1

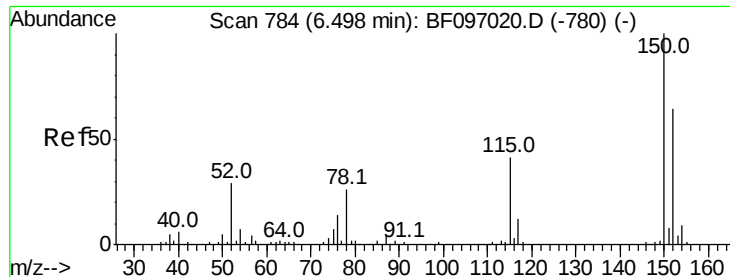
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
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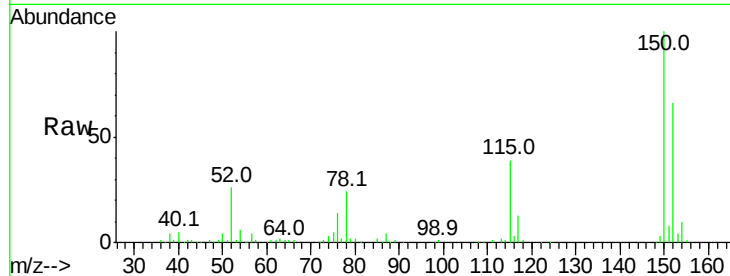


#1

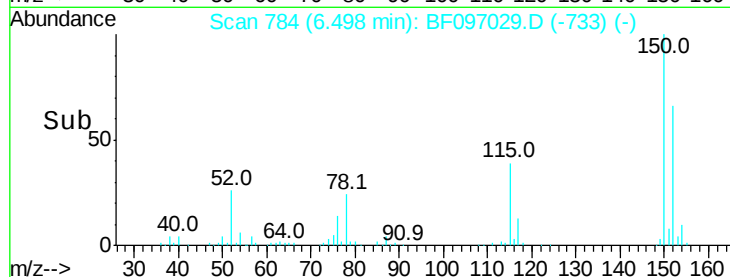
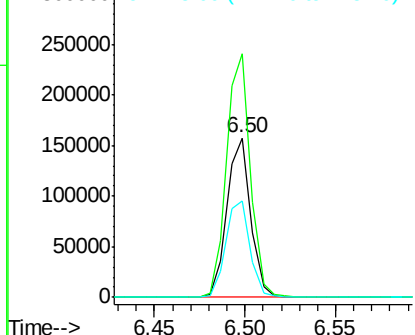
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097029.D
Acq: 25 Jul 2017 15:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142950
Ion Ratio Lower Upper
152 100
150 152.5 126.2 189.2
115 60.0 52.2 78.2



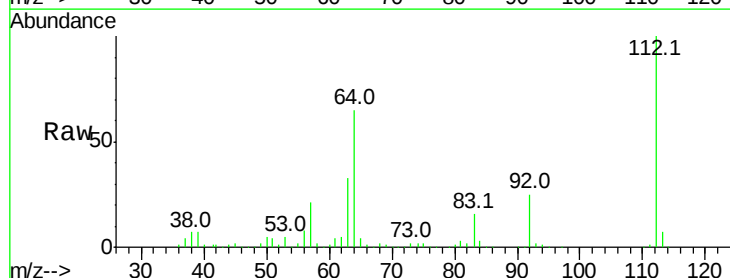
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



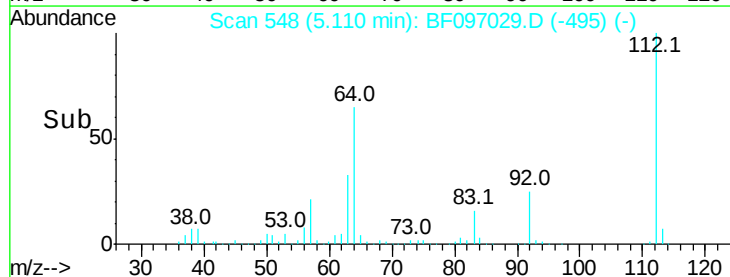
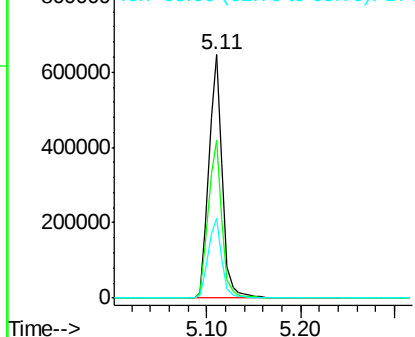
#5

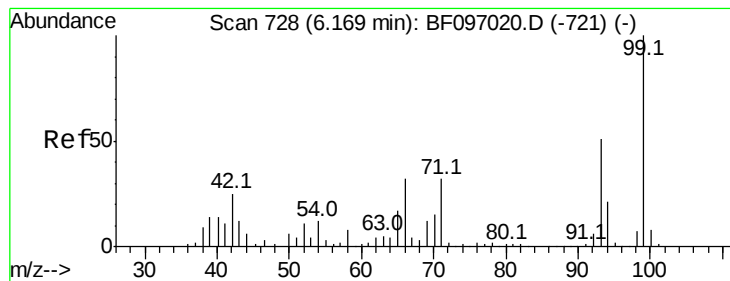
2-Fluorophenol
Concen: 68.864 ng
RT: 5.11 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF097029.D
Acq: 25 Jul 2017 15:22

Tgt Ion:112 Resp: 653010
Ion Ratio Lower Upper
112 100
64 64.8 46.0 69.0
63 32.9 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





#7

Phenol-d6

Concen: 67.941 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097029.D

Acq: 25 Jul 2017 15:22

Instrument :

BNA_F

ClientSampleId :

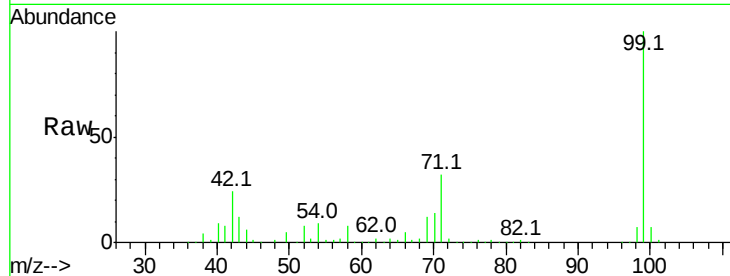
Tot Ion: 99 Resp: 73502

Ion Ratio Lower Upper

99 100

42 23.5 13.5 20.3#

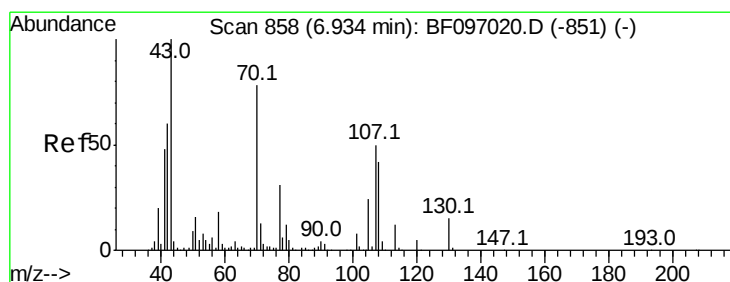
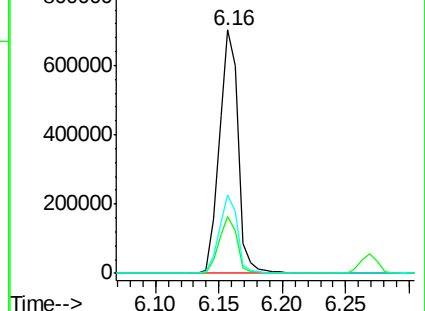
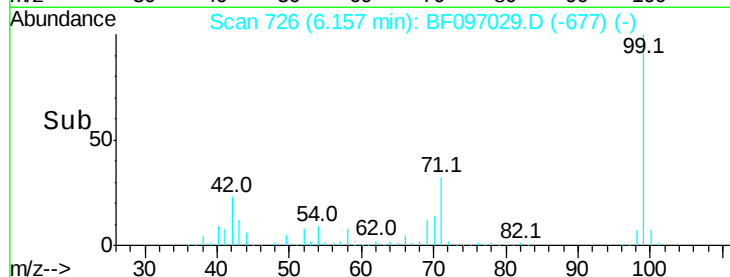
71 32.2 24.5 36.7



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: 12.235 ng

RT: 7.06 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF097029.D

Acq: 25 Jul 2017 15:22

Tgt Ion: 70 Resp: 87186

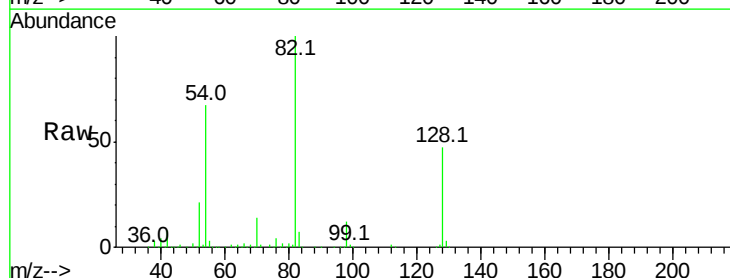
Ion Ratio Lower Upper

70 100

42 60.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

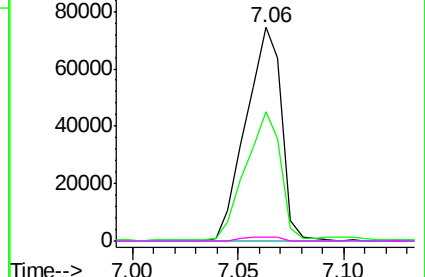
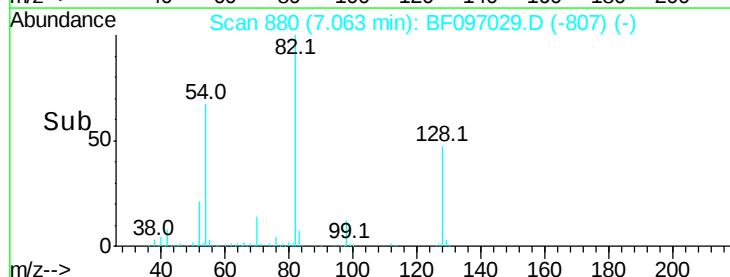


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.000 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097029.D

Acq: 25 Jul 2017 15:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 630173

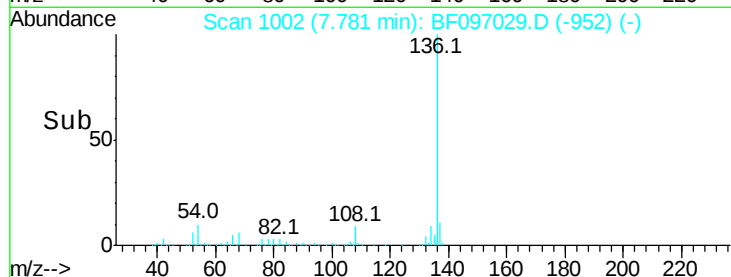
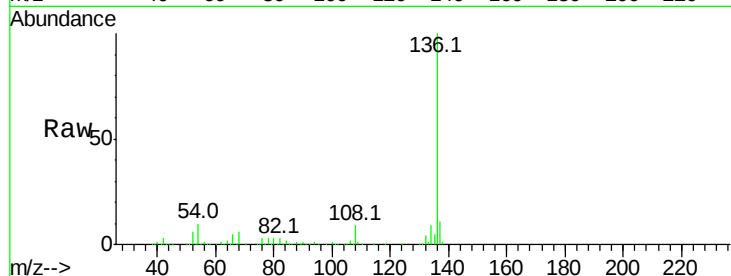
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 10.4 4.9 7.3#

68 5.8 4.1 6.1

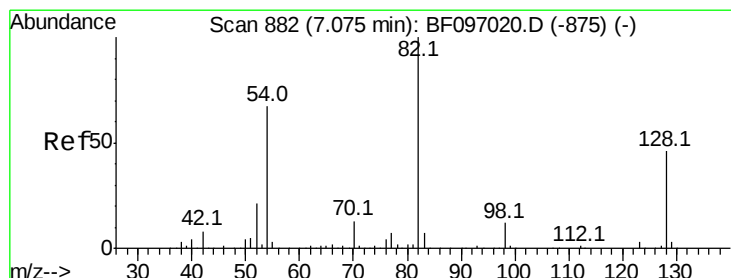
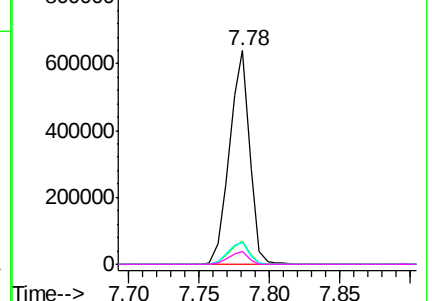


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.255 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF097029.D

Acq: 25 Jul 2017 15:22

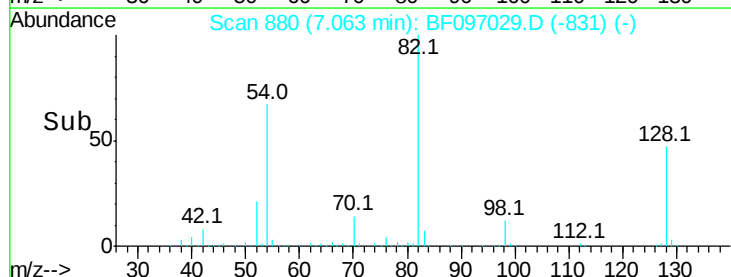
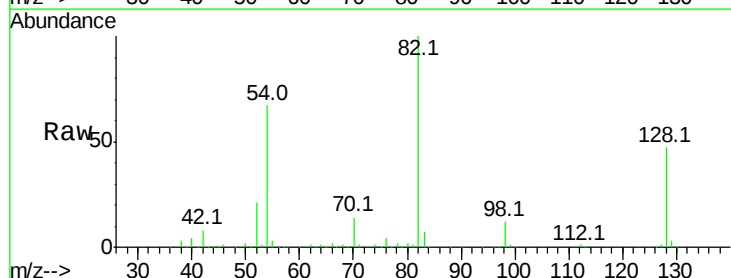
Tgt Ion: 82 Resp: 636523

Ion Ratio Lower Upper

82 100

128 46.9 34.0 51.0

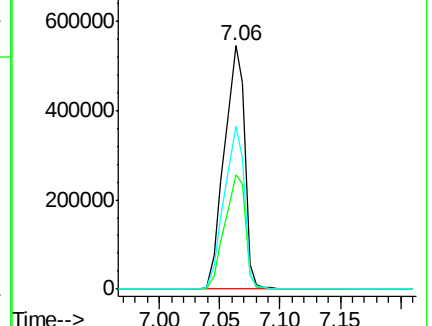
54 67.0 42.2 63.2#

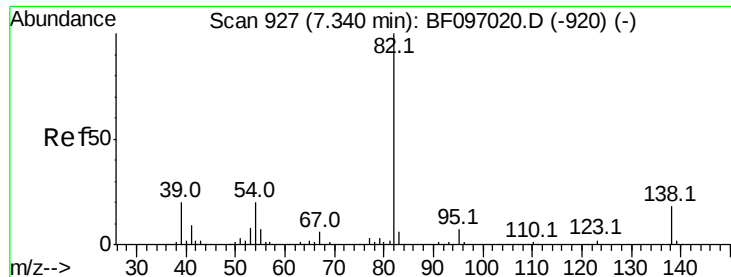


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.894 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF097029.D

Acq: 25 Jul 2017 15:22

Instrument :

BNA_F

ClientSampled :

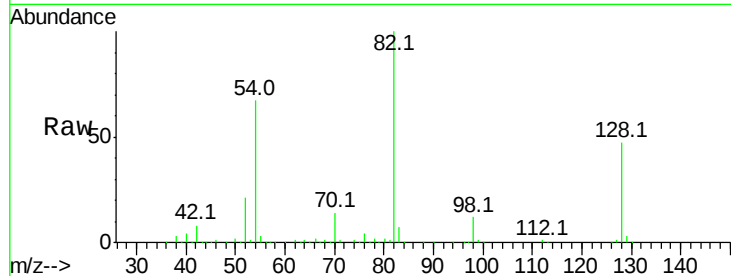
Tot Ion: 82 Resp: 607841

Ion Ratio Lower Upper

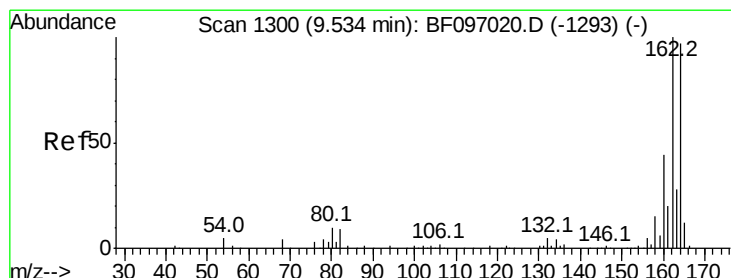
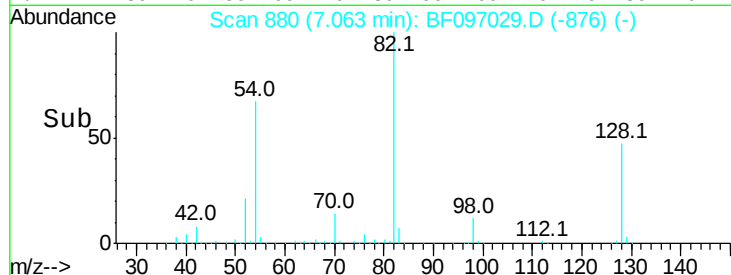
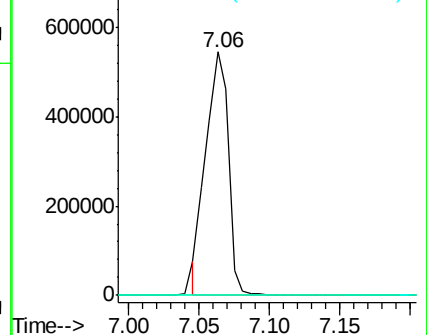
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097029.D

Acq: 25 Jul 2017 15:22

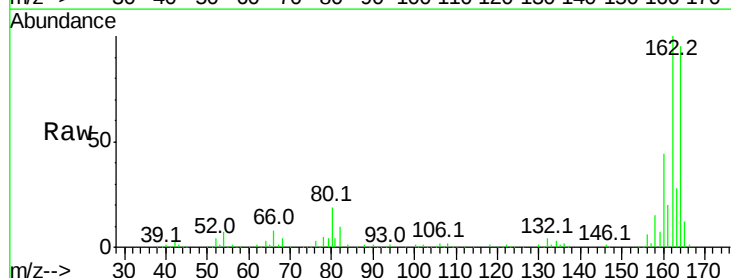
Tgt Ion:164 Resp: 281369

Ion Ratio Lower Upper

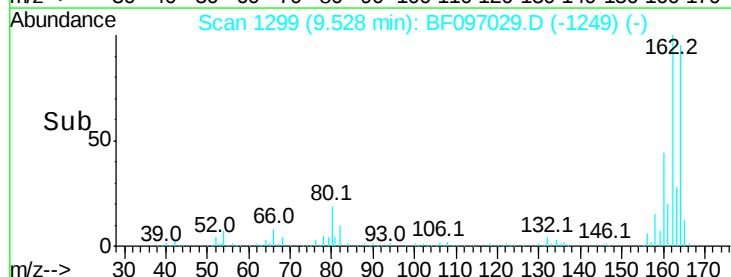
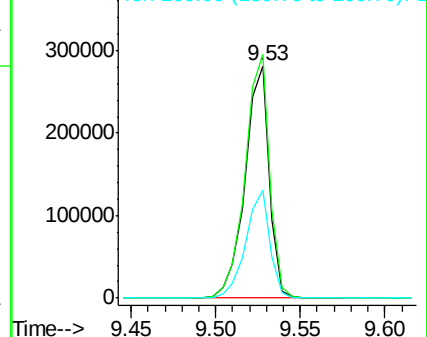
164 100

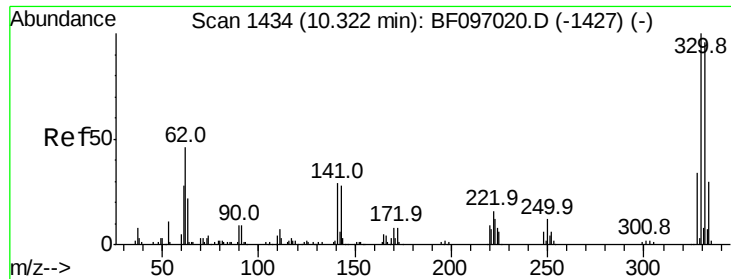
162 104.8 82.6 123.8

160 46.5 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

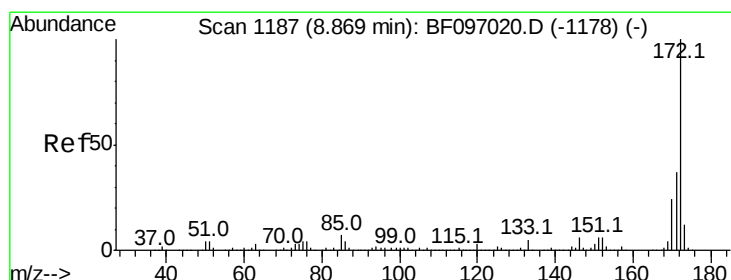
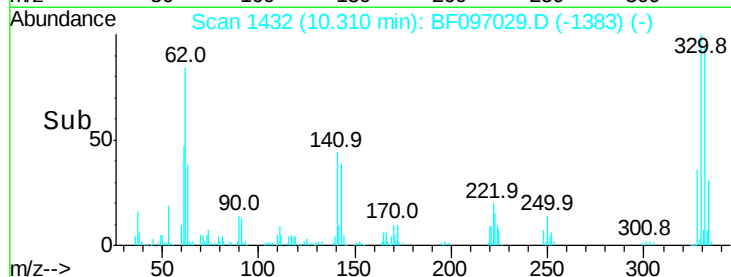
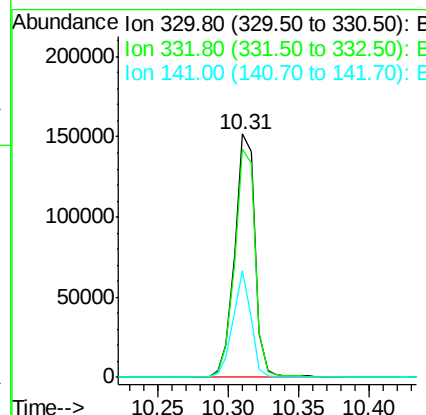
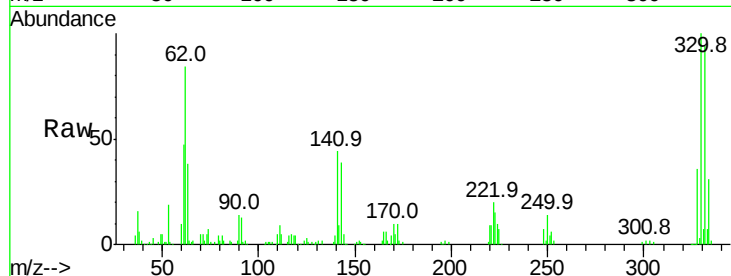




#41
 2,4,6-Tribromophenol
 Concen: 68.636 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097029.D
 Acq: 25 Jul 2017 15:22

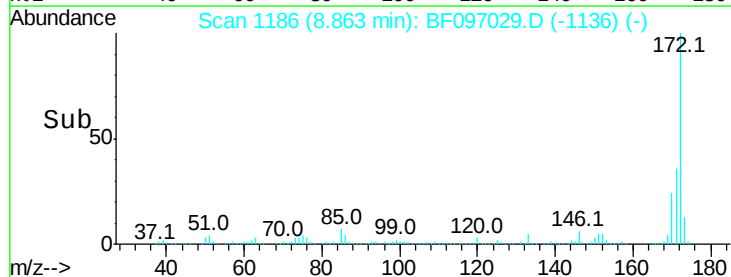
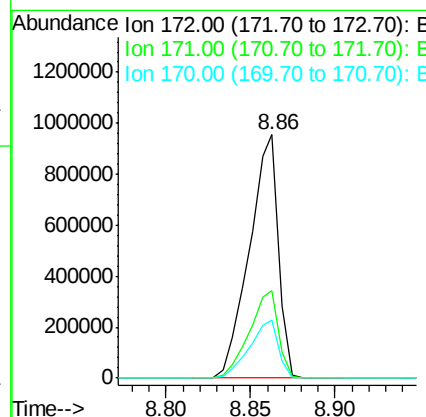
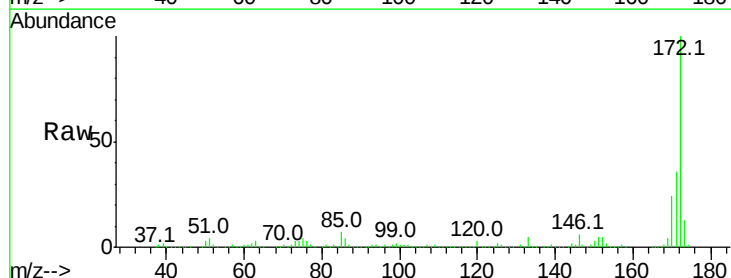
Instrument :
 BNA_F
 ClientSampleId :

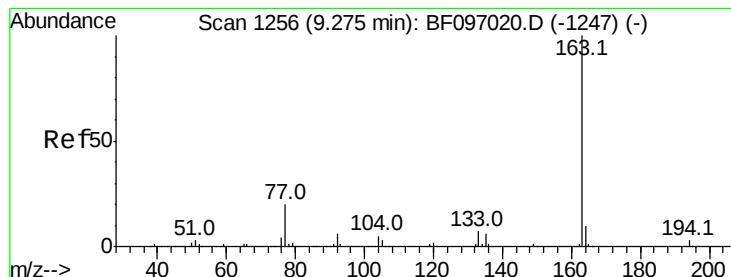
Tot Ion:330 Resp: 152583
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.6 115.0
 141 38.6 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 69.046 ng
 RT: 8.86 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF097029.D
 Acq: 25 Jul 2017 15:22

Tgt Ion:172 Resp: 1144739
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 23.9 19.8 29.8





#49

Dimethylphthalate

Concen: 3.943 ng

RT: 9.53 min Scan# 1299

Delta R.T. 0.25 min

Lab File: BF097029.D

Acq: 25 Jul 2017 15:22

Instrument :

BNA_F

ClientSampleId :

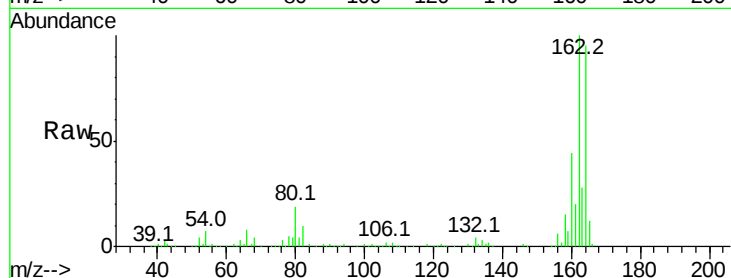
Tot Ion:163 Resp: 84250

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

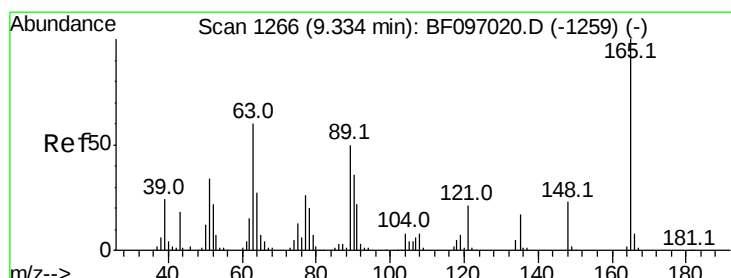
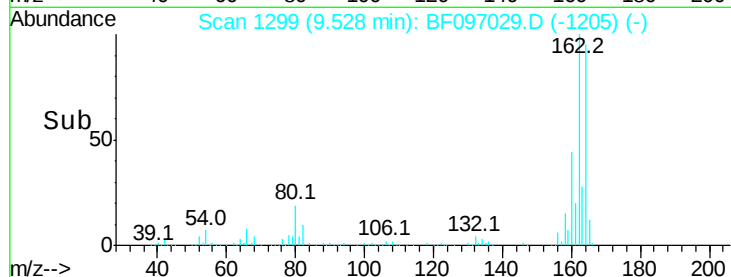
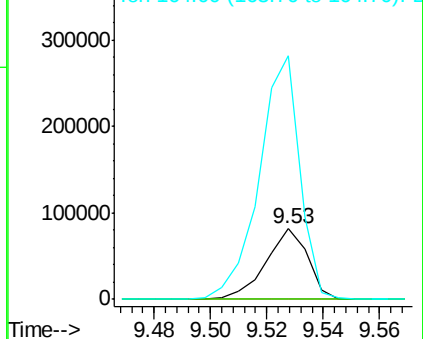
164 344.9 8.4 12.6#



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: 7.986 ng

RT: 9.53 min Scan# 1299

Delta R.T. 0.19 min

Lab File: BF097029.D

Acq: 25 Jul 2017 15:22

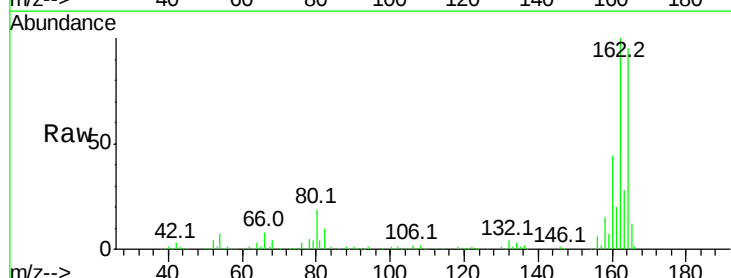
Tgt Ion:165 Resp: 36192

Ion Ratio Lower Upper

165 100

63 2.0 34.3 51.5#

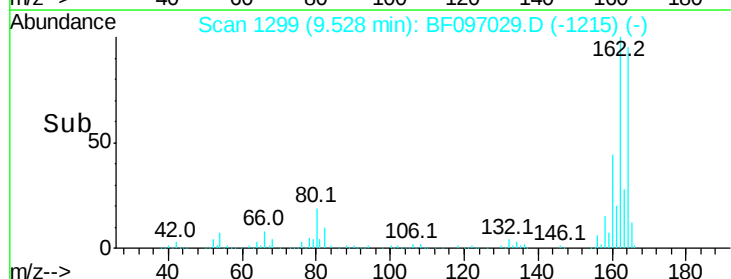
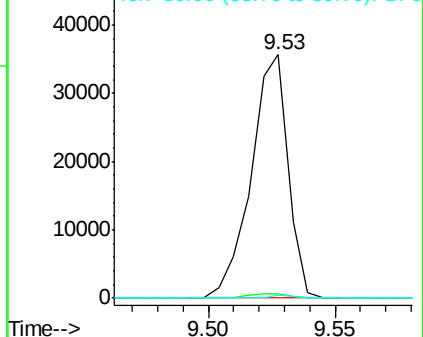
89 1.2 37.1 55.7#



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

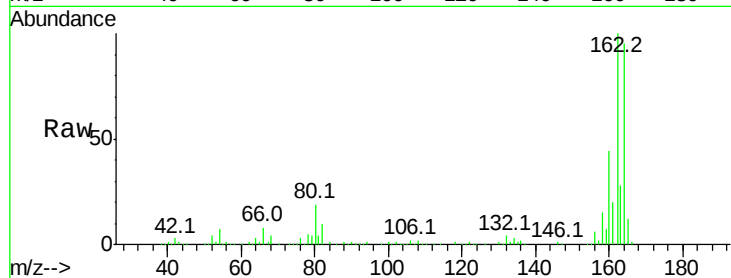




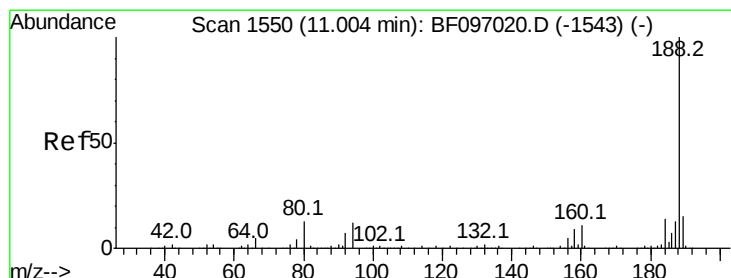
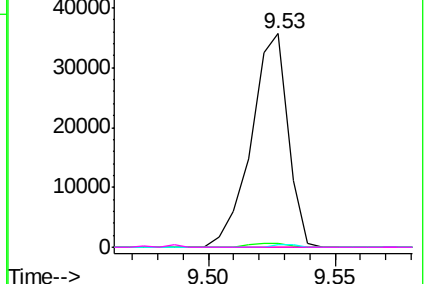
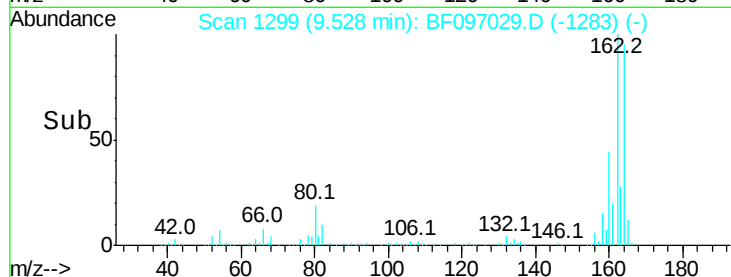
#56
 2,4-Dinitrotoluene
 Concen: 6.947 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF097029.D
 Acq: 25 Jul 2017 15:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 36192
 Ion Ratio Lower Upper
 165 100
 63 2.0 25.4 38.0#
 89 1.2 46.4 69.6#
 182 0.0 1.8 2.6#

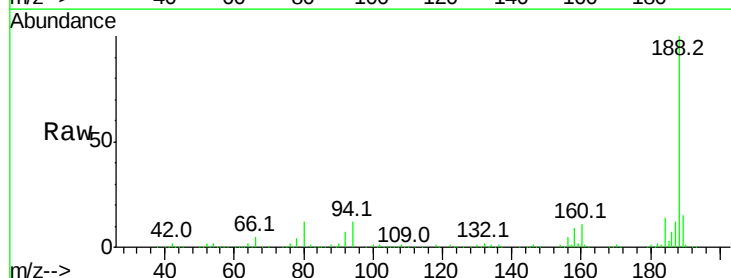


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

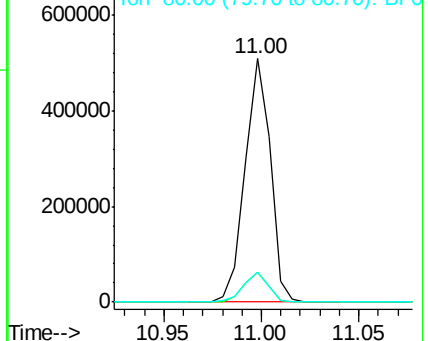
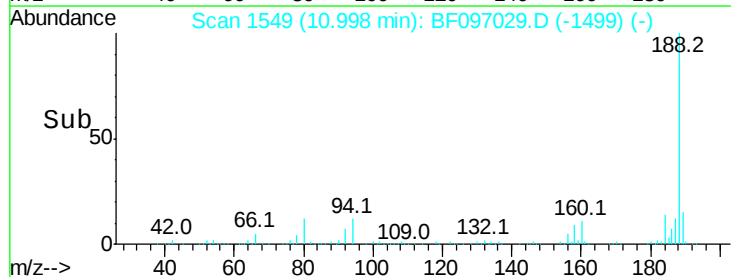


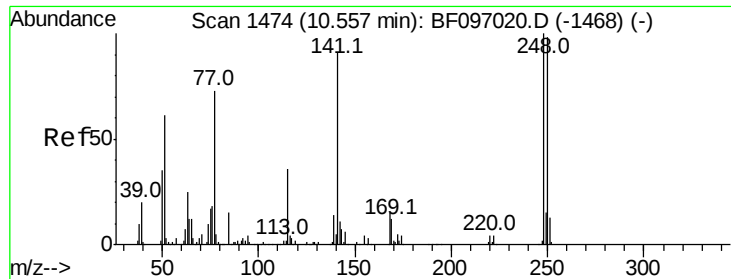
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097029.D
 Acq: 25 Jul 2017 15:22

Tgt Ion:188 Resp: 458757
 Ion Ratio Lower Upper
 188 100
 94 12.3 9.4 14.2
 80 12.4 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

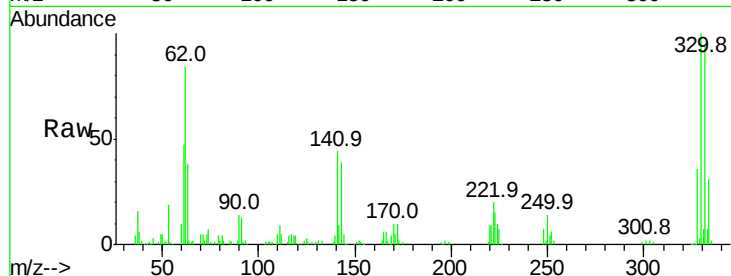




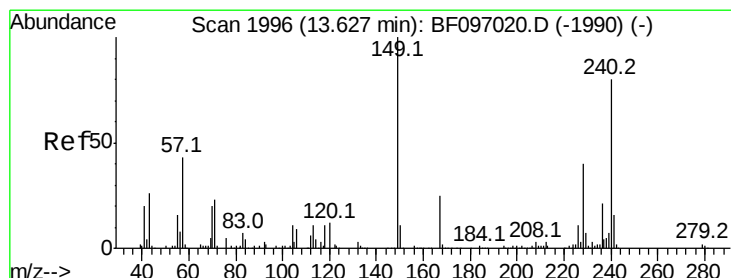
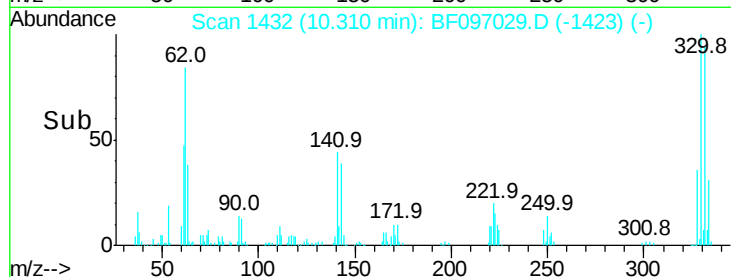
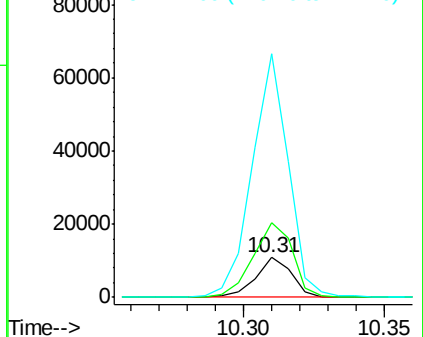
#66
4-Bromophenyl-phenylether
Concen: 2.089 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF097029.D
Acq: 25 Jul 2017 15:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9564
Ion Ratio Lower Upper
248 100
250 188.9 76.8 115.2#
141 612.6 68.6 103.0#

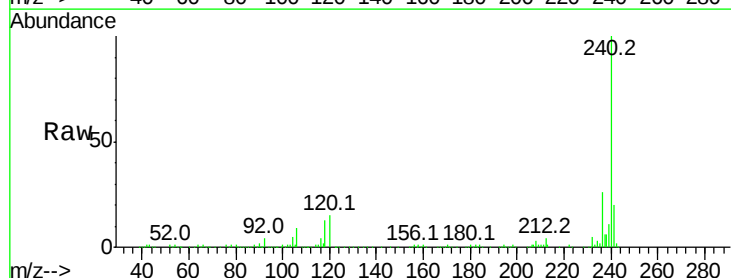


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

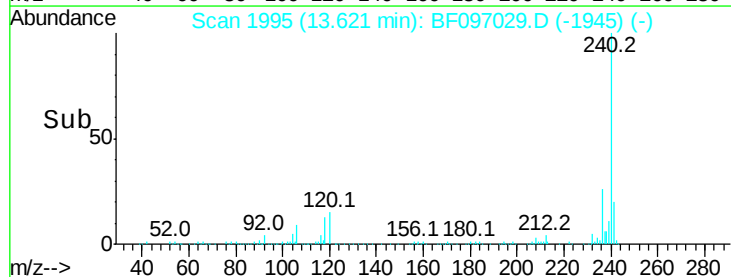
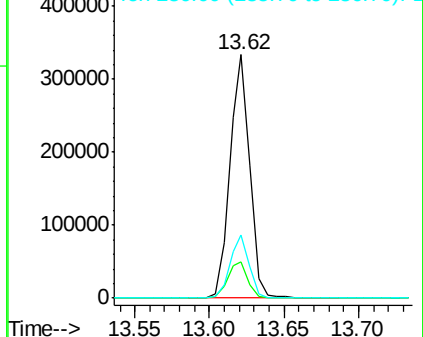


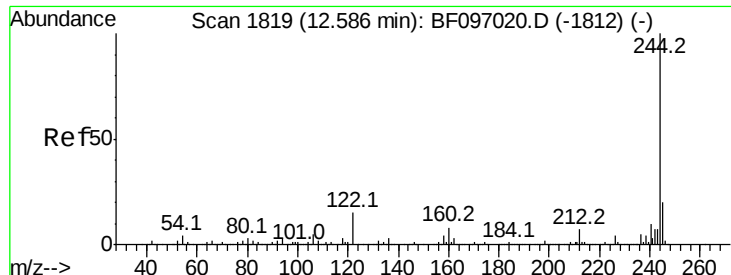
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.62 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097029.D
Acq: 25 Jul 2017 15:22

Tgt Ion:240 Resp: 311873
Ion Ratio Lower Upper
240 100
120 14.7 5.8 8.8#
236 25.9 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





#78

Terphenyl-d14

Concen: 55.736 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097029.D

Acq: 25 Jul 2017 15:22

Instrument :

BNA_F

ClientSampleId :

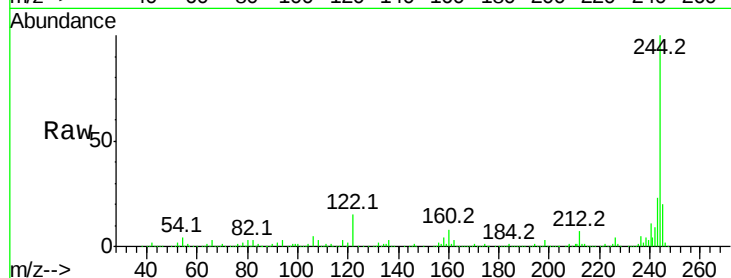
Tot Ion:244 Resp: 852564

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

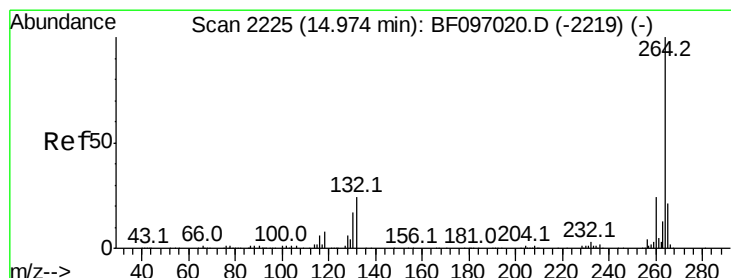
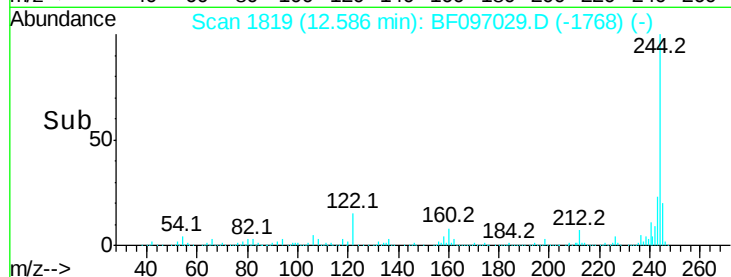
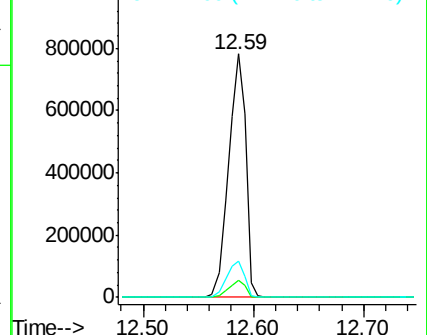
122 15.0 10.3 15.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 14.97 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF097029.D

Acq: 25 Jul 2017 15:22

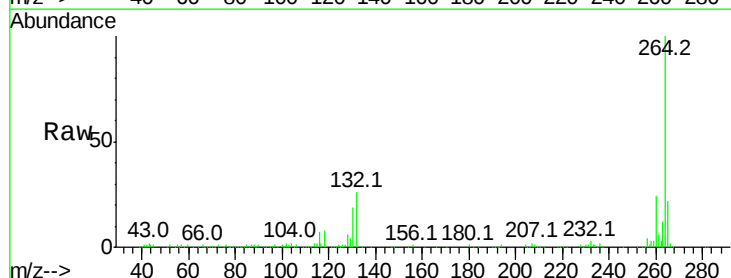
Tgt Ion:264 Resp: 224524

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 21.6 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

