

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097186.D
 Acq On : 29 Jul 2017 6:48
 Operator : SJ/JU
 Sample : I4473-05
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-202-286-280

Quant Time: Jul 29 07:20:02 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

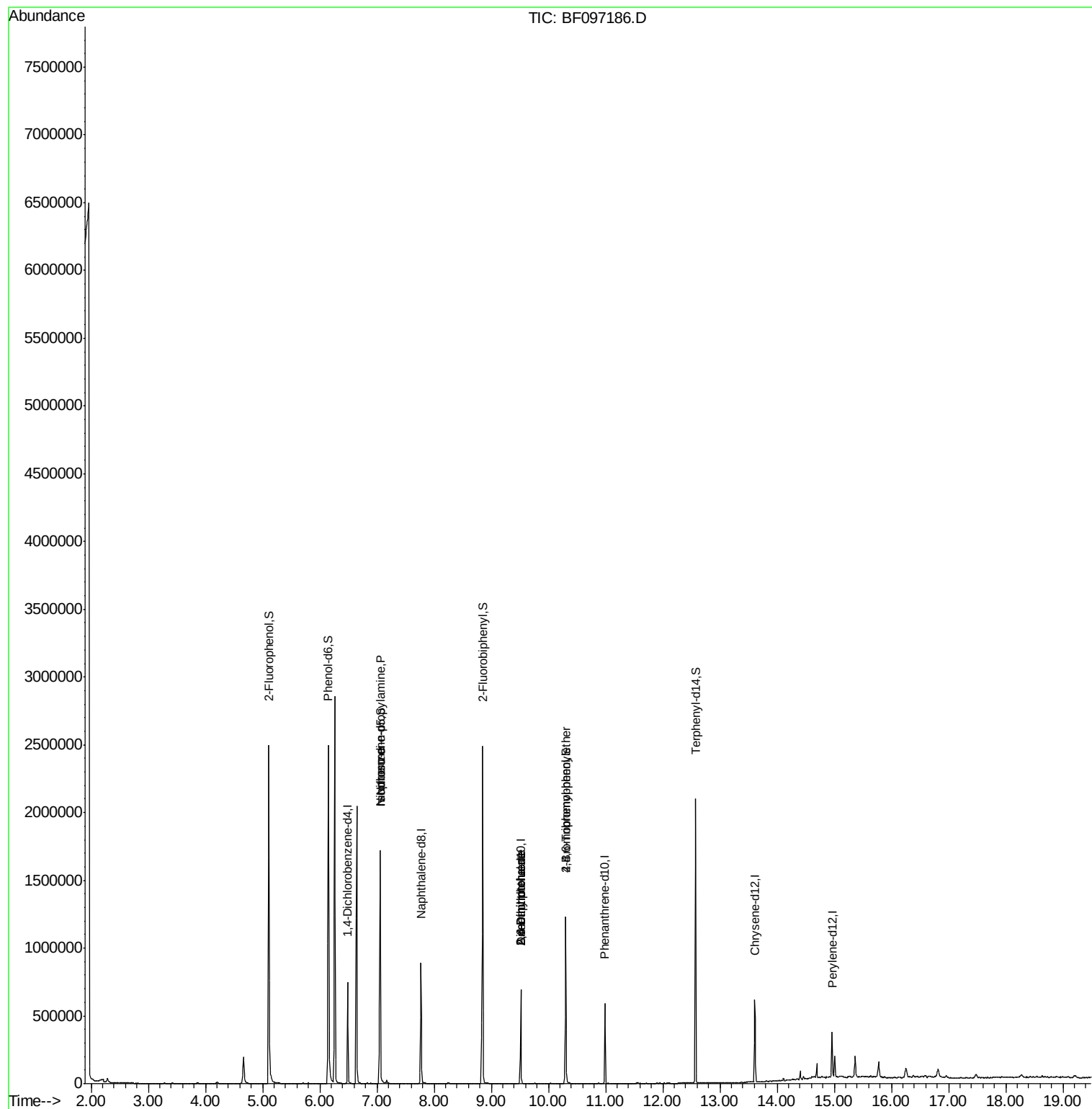
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	113562	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	408330	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	143837	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	208508	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	198237	20.00	ng	-0.02
86) Perylene-d12	14.96	264	138030	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	839814	111.48	ng	0.00
7) Phenol-d6	6.15	99	1020101	118.62	ng	-0.02
23) Nitrobenzene-d5	7.06	82	623174	89.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	143544	126.31	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	893466	105.42	ng	-0.02
78) Terphenyl-d14	12.57	244	636633	65.48	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.06	70	83543	14.76	ng	# 89
25) Isophorone	7.06	82	589751	43.26	ng	# 67
49) Dimethylphthalate	9.52	163	43944	4.02	ng	# 1
50) 2,6-Dinitrotoluene	9.52	165	18073	7.80	ng	# 31
56) 2,4-Dinitrotoluene	9.52	165	18073	6.79	ng	# 31
66) 4-Bromophenyl-phenylether	10.30	248	9215	4.43	ng	# 1

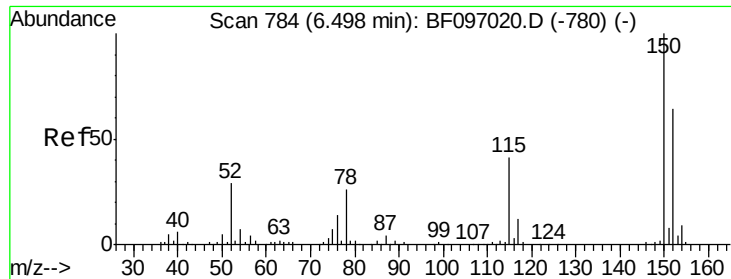
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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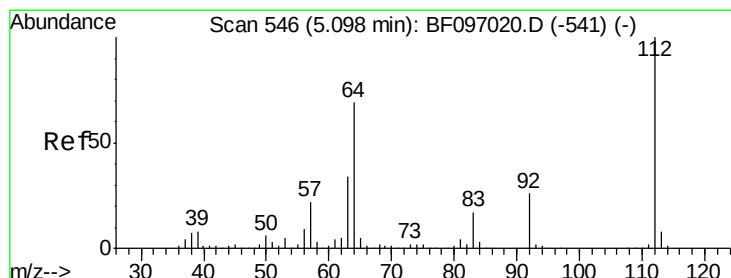
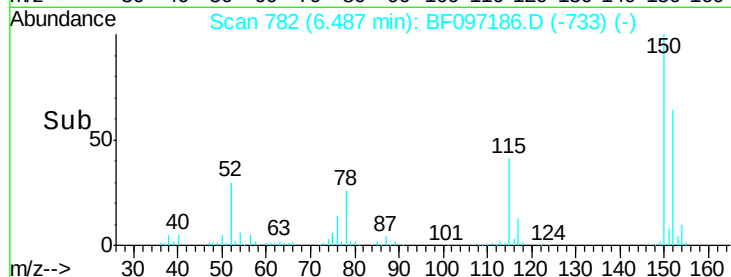
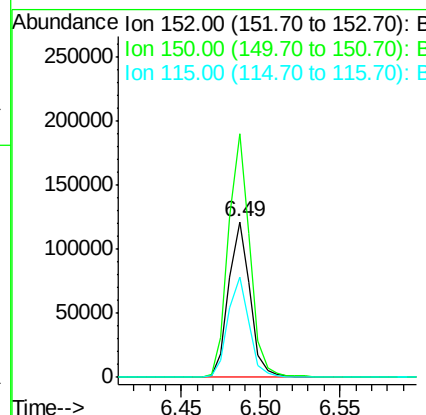
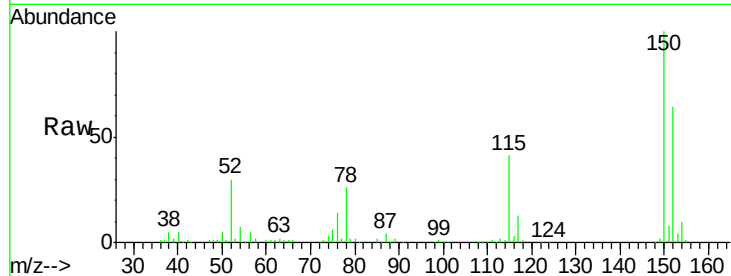


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097186.D
Acq: 29 Jul 2017 6:48

Instrument :
BNA_F
ClientSampleId :
VNJ-202-286-280

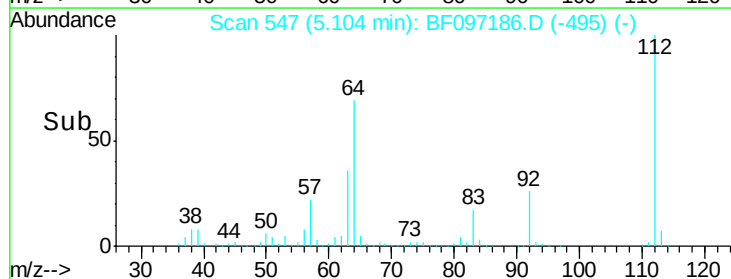
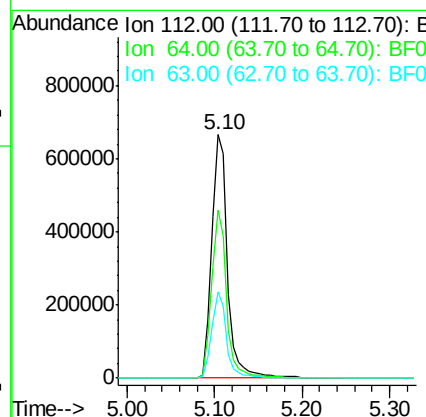
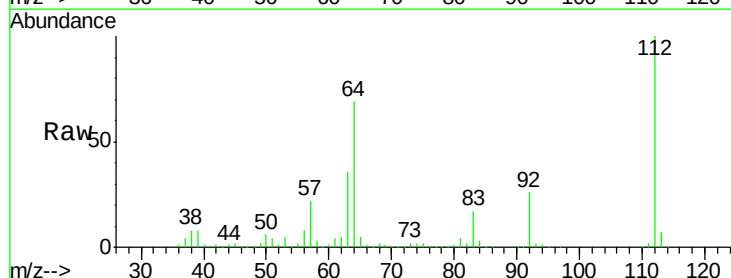
Tot Ion:152 Resp: 113562
Ion Ratio Lower Upper
152 100
150 156.3 126.2 189.2
115 64.3 52.2 78.2

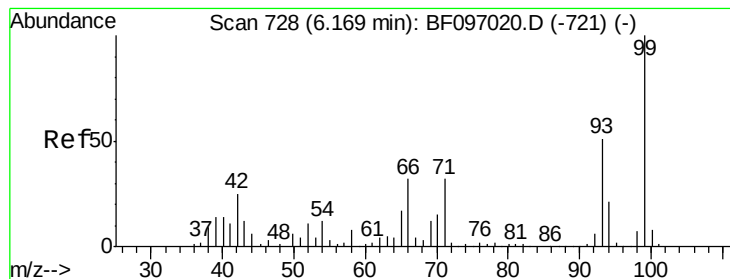


#5

2-Fluorophenol
Concen: 111.48 ng
RT: 5.10 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF097186.D
Acq: 29 Jul 2017 6:48

Tgt Ion:112 Resp: 839814
Ion Ratio Lower Upper
112 100
64 68.8 46.0 69.0
63 35.6 23.4 35.0#





#7

Phenol-d6

Concen: 118.62 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097186.D

Acq: 29 Jul 2017 6:48

Instrument :

BNA_F

ClientSampleId :

VNJ-202-286-280

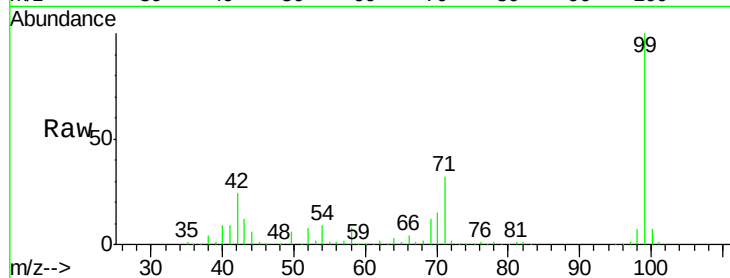
Tot Ion: 99 Resp: 1020101

Ion Ratio Lower Upper

99 100

42 24.1 13.5 20.3#

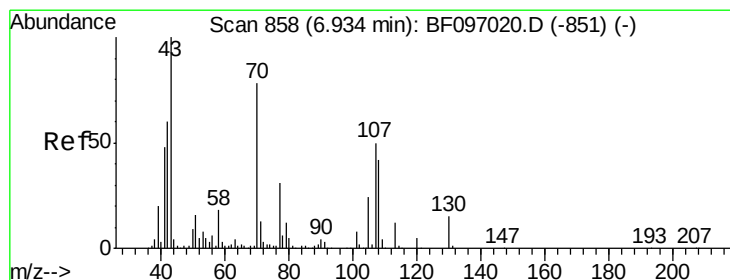
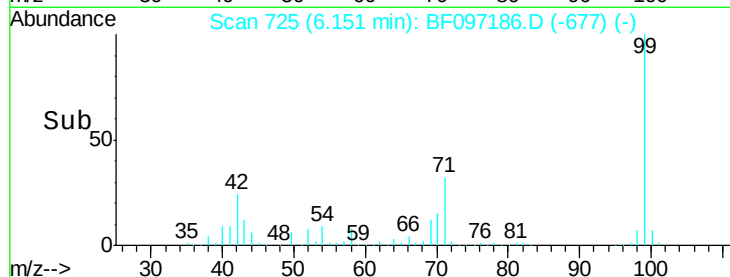
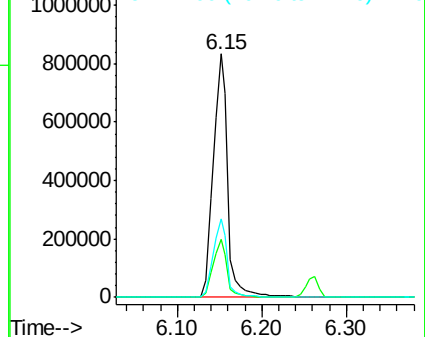
71 32.1 24.5 36.7



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: 14.76 ng

RT: 7.06 min Scan# 879

Delta R.T. 0.12 min

Lab File: BF097186.D

Acq: 29 Jul 2017 6:48

Tgt Ion: 70 Resp: 83543

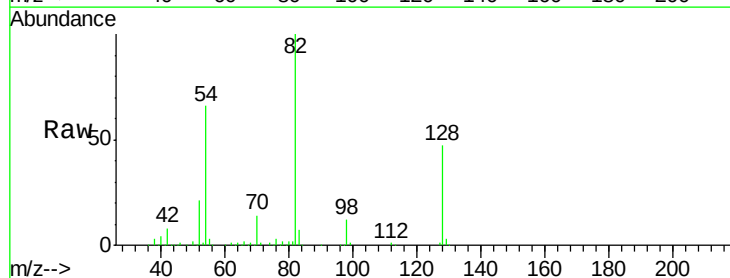
Ion Ratio Lower Upper

70 100

42 58.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

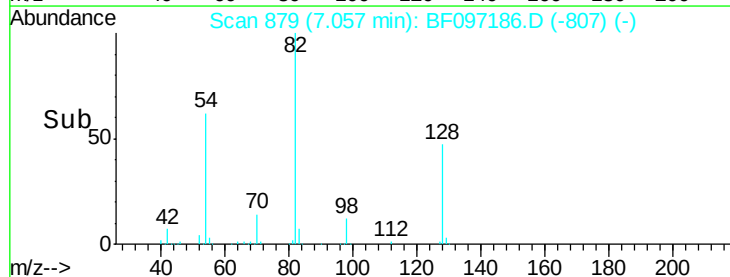
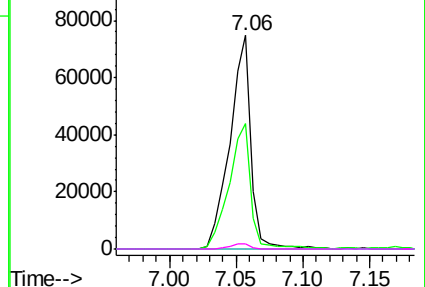


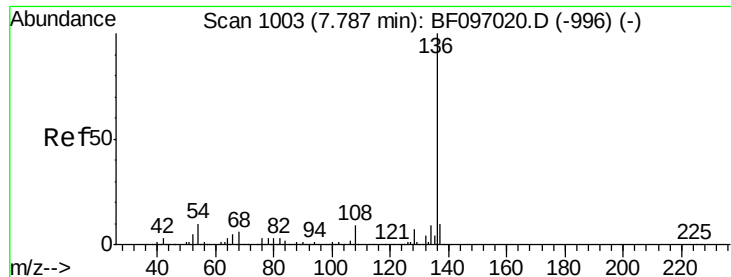
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF097186.D

Acq: 29 Jul 2017 6:48

Instrument :

BNA_F

ClientSampleId :

VNJ-202-286-280

Tot Ion:136 Resp: 408330

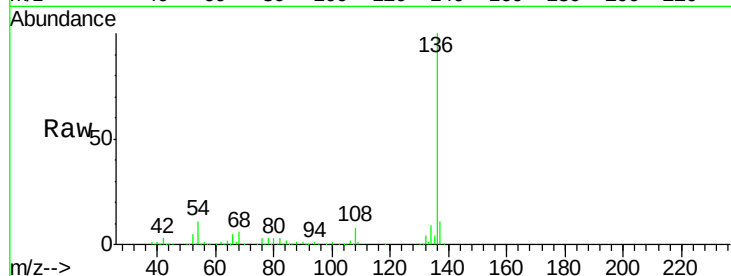
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 10.8 4.9 7.3#

68 6.4 4.1 6.1#

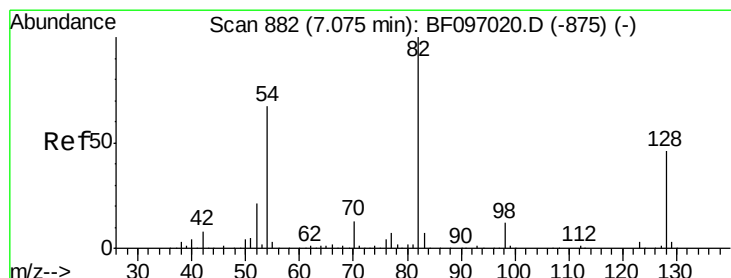
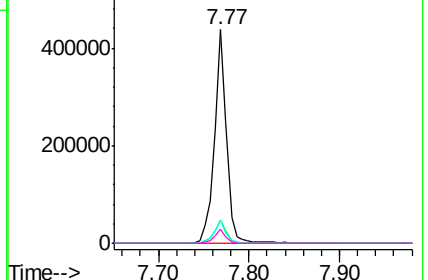
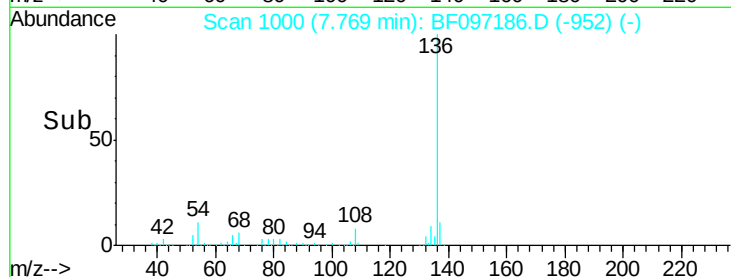


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.53 ng

RT: 7.06 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF097186.D

Acq: 29 Jul 2017 6:48

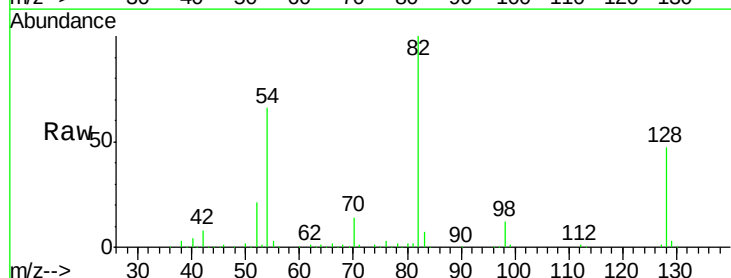
Tgt Ion: 82 Resp: 623174

Ion Ratio Lower Upper

82 100

128 46.5 34.0 51.0

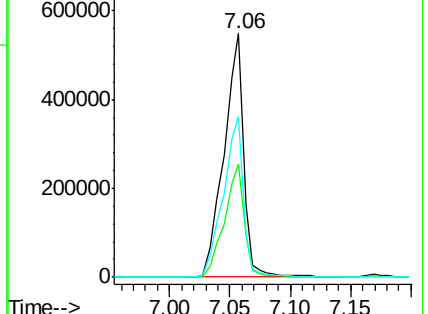
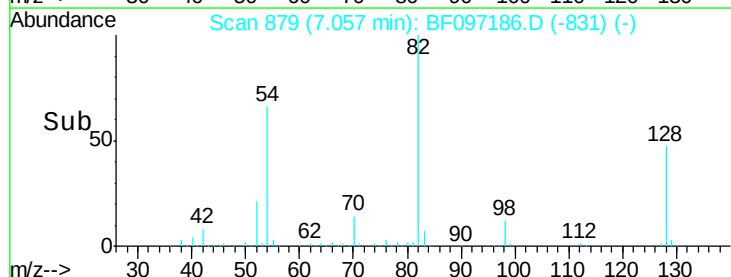
54 66.0 42.2 63.2#

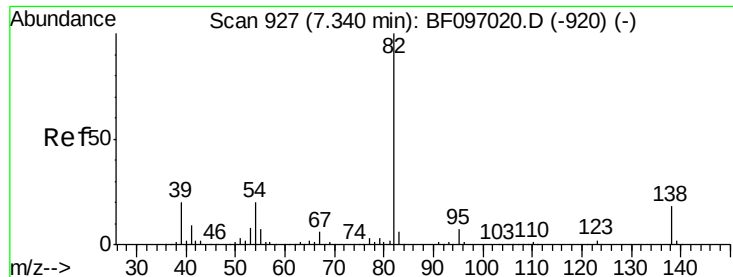


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 43.26 ng

RT: 7.06 min Scan# 879

Delta R.T. -0.28 min

Lab File: BF097186.D

Acq: 29 Jul 2017 6:48

Instrument :

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VNJ-202-286-280

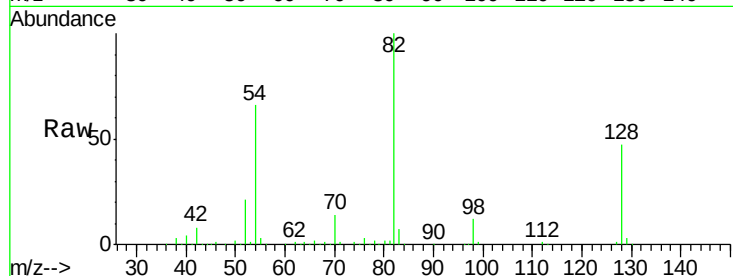
Tot Ion: 82 Resp: 589751

Ion Ratio Lower Upper

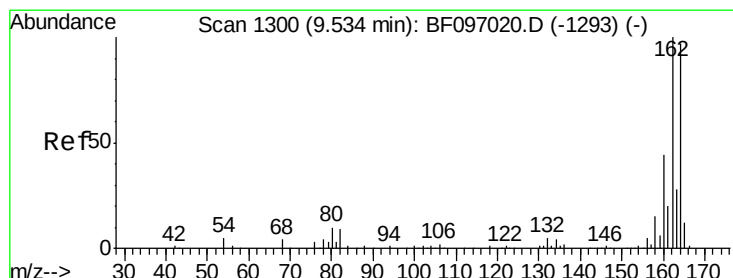
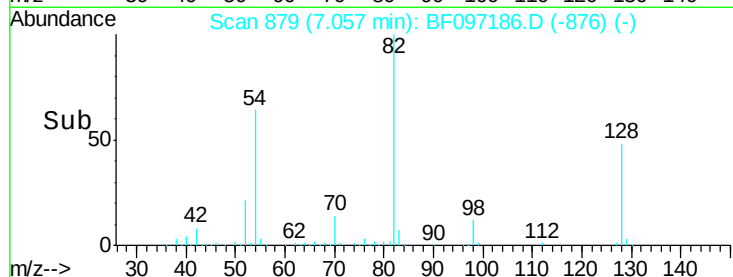
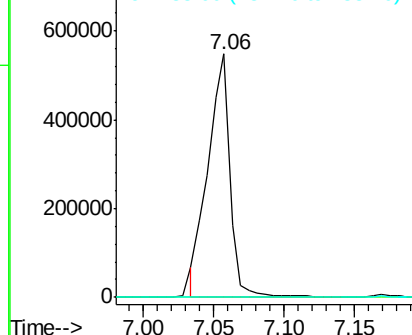
82 100

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: 20.00 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF097186.D

Acq: 29 Jul 2017 6:48

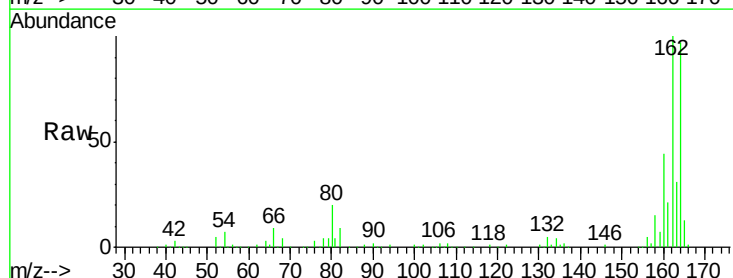
Tgt Ion: 164 Resp: 143837

Ion Ratio Lower Upper

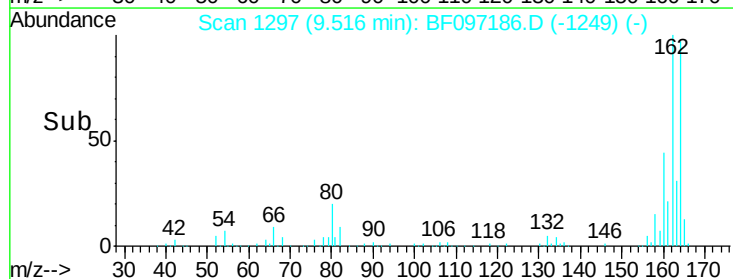
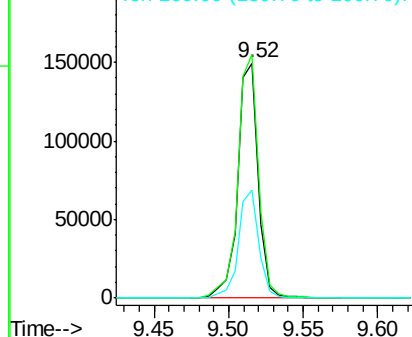
164 100

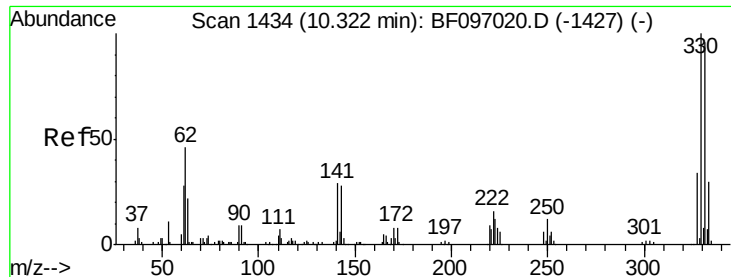
162 103.6 82.6 123.8

160 45.7 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

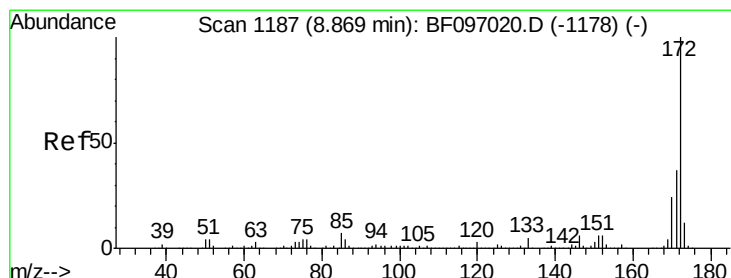
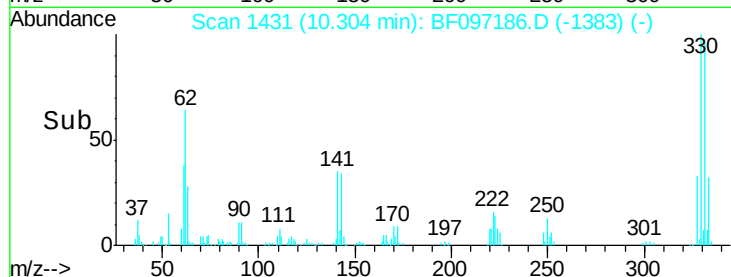
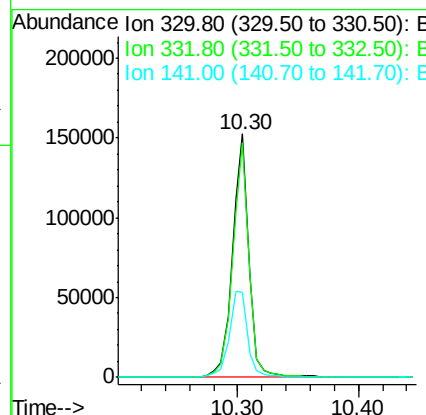
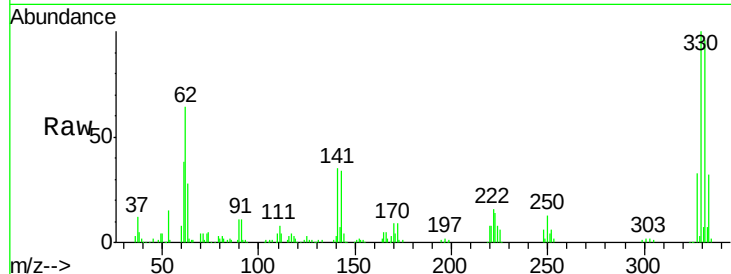




#41
 2,4,6-Tribromophenol
 Concen: 126.31 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF097186.D
 Acq: 29 Jul 2017 6:48

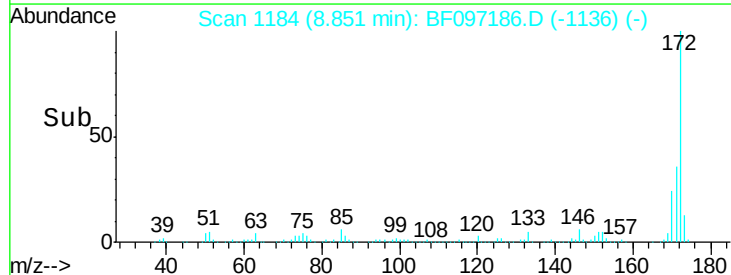
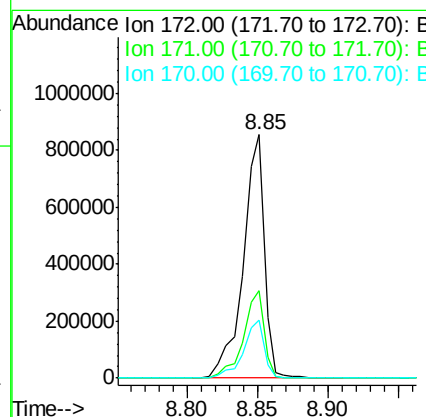
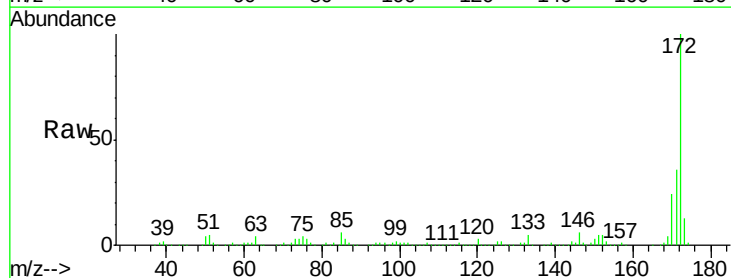
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-202-286-280

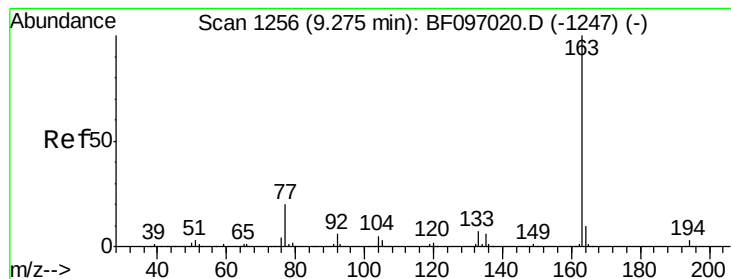
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	115.0
141	40.0	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 105.42 ng
 RT: 8.85 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF097186.D
 Acq: 29 Jul 2017 6:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.7	19.8	29.8





#49

Dimethylphthalate

Concen: 4.02 ng

RT: 9.52 min Scan# 1297

Delta R.T. 0.24 min

Lab File: BF097186.D

Acq: 29 Jul 2017 6:48

Instrument :

BNA_F

ClientSampleId :

VNJ-202-286-280

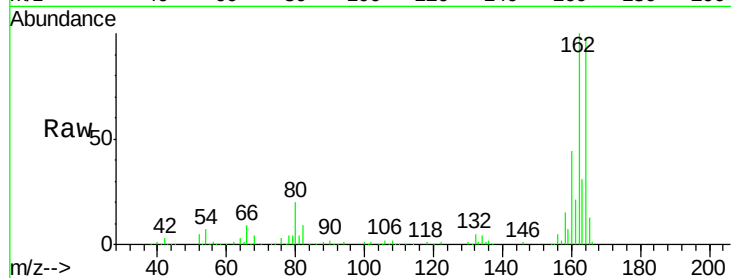
Tot Ion:163 Resp: 43944

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

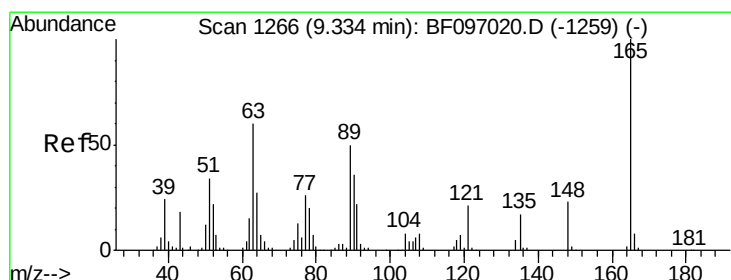
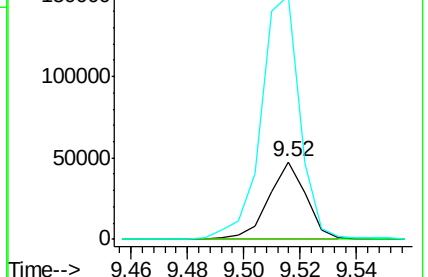
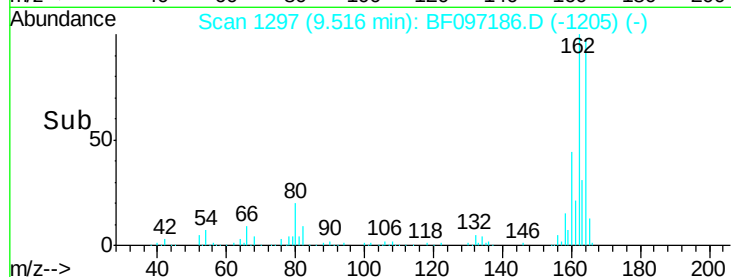
164 314.4 8.4 12.6#



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: 7.80 ng

RT: 9.52 min Scan# 1297

Delta R.T. 0.18 min

Lab File: BF097186.D

Acq: 29 Jul 2017 6:48

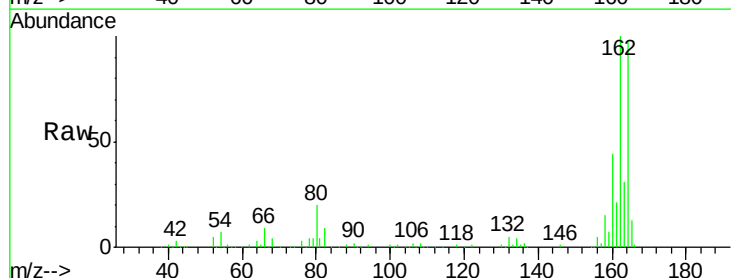
Tgt Ion:165 Resp: 18073

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

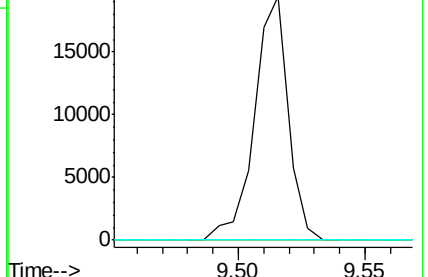
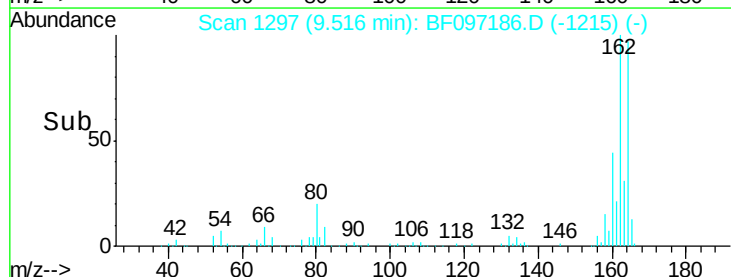
89 0.0 37.1 55.7#

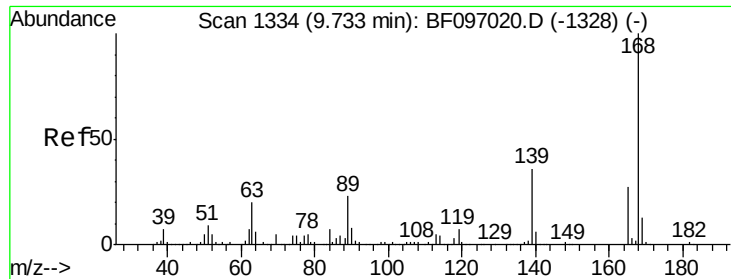


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.79 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.22 min

Lab File: BF097186.D

Acq: 29 Jul 2017 6:48

Instrument :

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ClientSampleId :

VNJ-202-286-280

Tot Ion:165 Resp: 18073

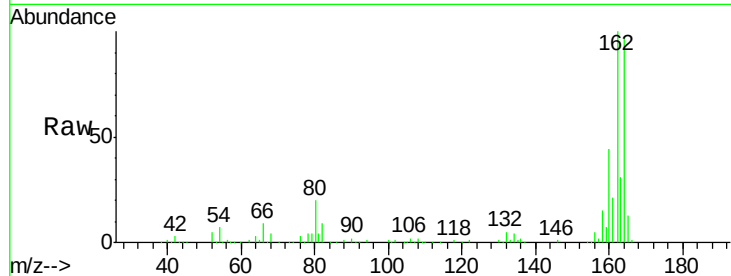
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

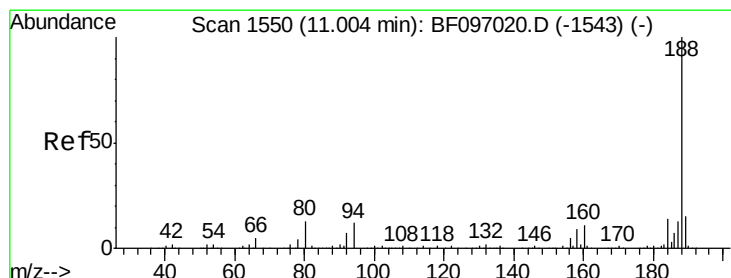
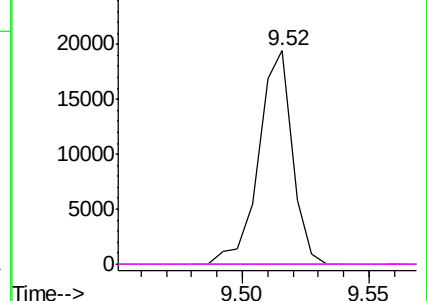
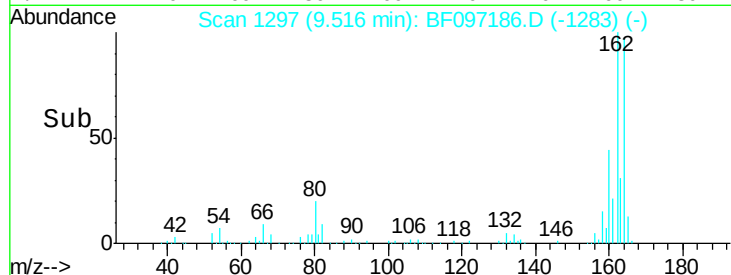


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 10.99 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF097186.D

Acq: 29 Jul 2017 6:48

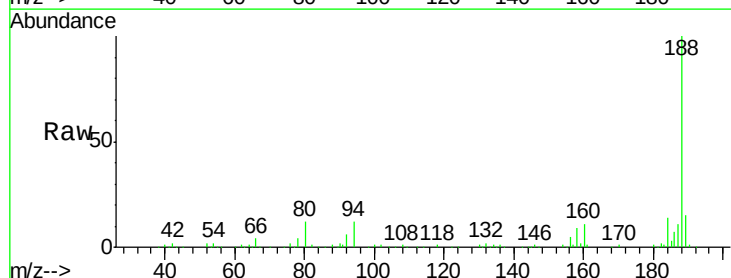
Tgt Ion:188 Resp: 208508

Ion Ratio Lower Upper

188 100

94 12.0 9.4 14.2

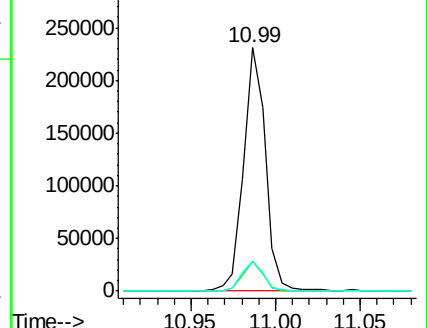
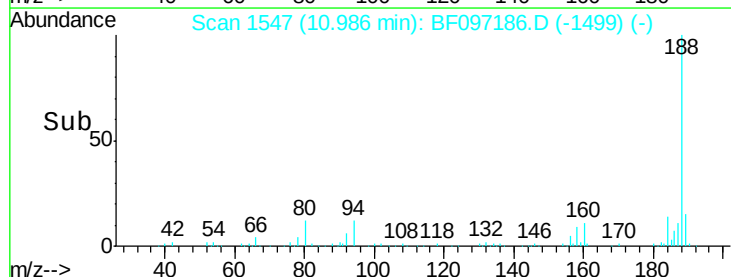
80 12.0 10.2 15.2

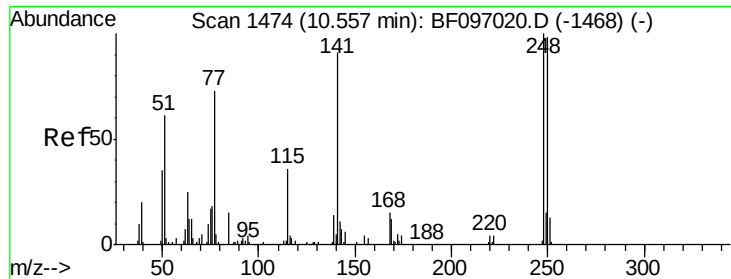


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

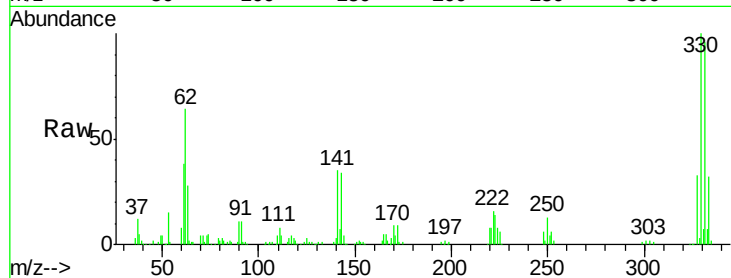




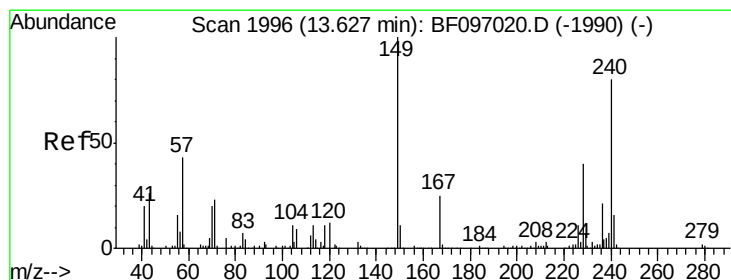
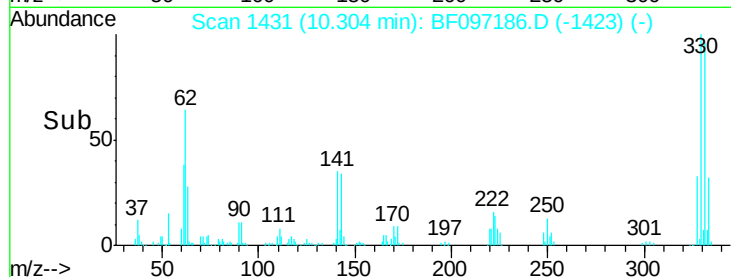
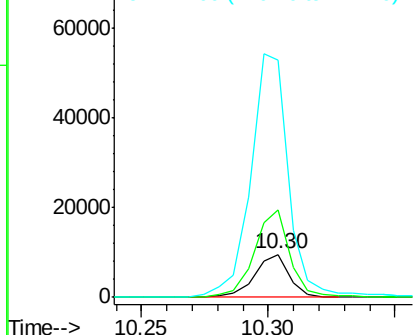
#66
4-Bromophenyl-phenylether
Concen: 4.43 ng
RT: 10.30 min Scan# 1431
Delta R.T. -0.25 min
Lab File: BF097186.D
Acq: 29 Jul 2017 6:48

Instrument :
BNA_F
ClientSampleId :
VNJ-202-286-280

Tot Ion:248 Resp: 9215
Ion Ratio Lower Upper
248 100
250 204.7 76.8 115.2#
141 551.7 68.6 103.0#

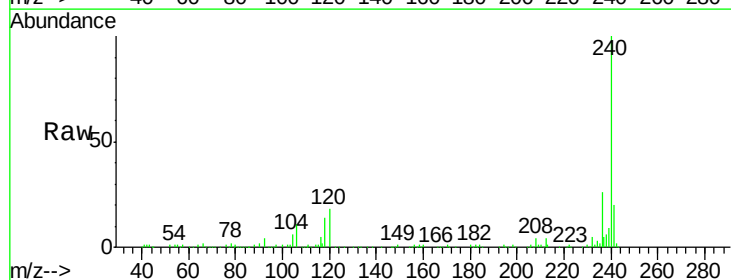


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

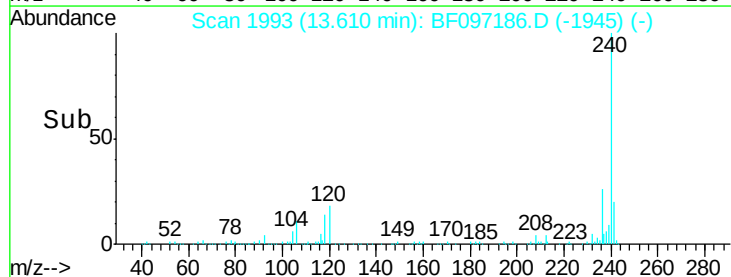
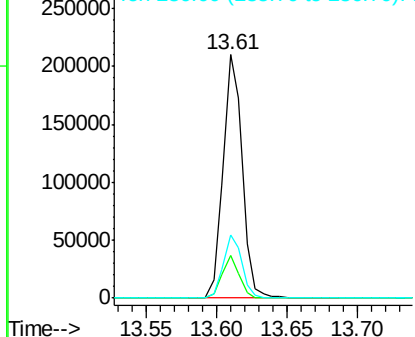


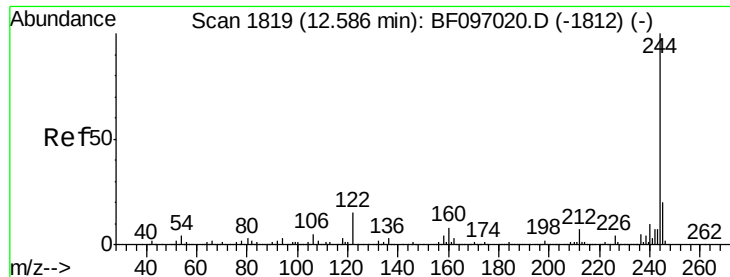
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.61 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF097186.D
Acq: 29 Jul 2017 6:48

Tgt Ion:240 Resp: 198237
Ion Ratio Lower Upper
240 100
120 17.6 5.8 8.8#
236 26.2 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

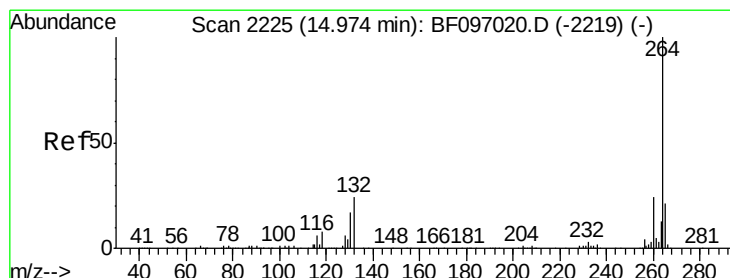
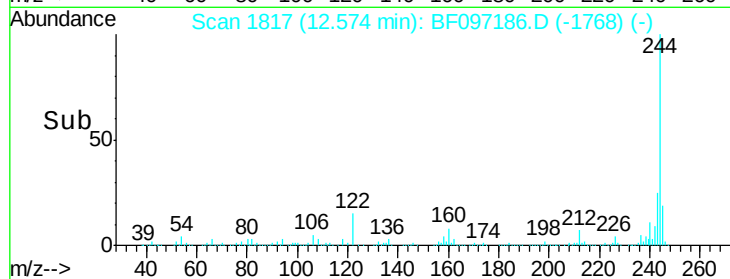
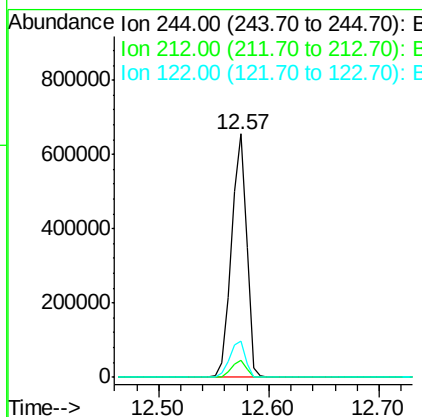
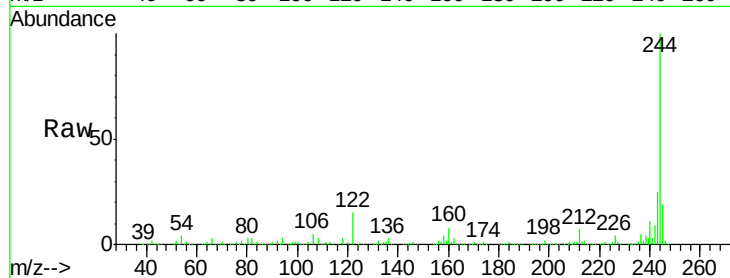




#78
 Terphenyl-d14
 Concen: 65.48 ng
 RT: 12.57 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BF097186.D
 Acq: 29 Jul 2017 6:48

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-202-286-280

Tot Ion:244 Resp: 636633
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 14.8 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.96 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF097186.D
 Acq: 29 Jul 2017 6:48

Tgt Ion:264 Resp: 138030
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.5 29.3
 265 20.9 17.2 25.8

