

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100617\
 Data File : BF099169.D
 Acq On : 7 Oct 2017 1:23
 Operator : SJ/JU
 Sample : I5585-17RE 20X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 07 02:51:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

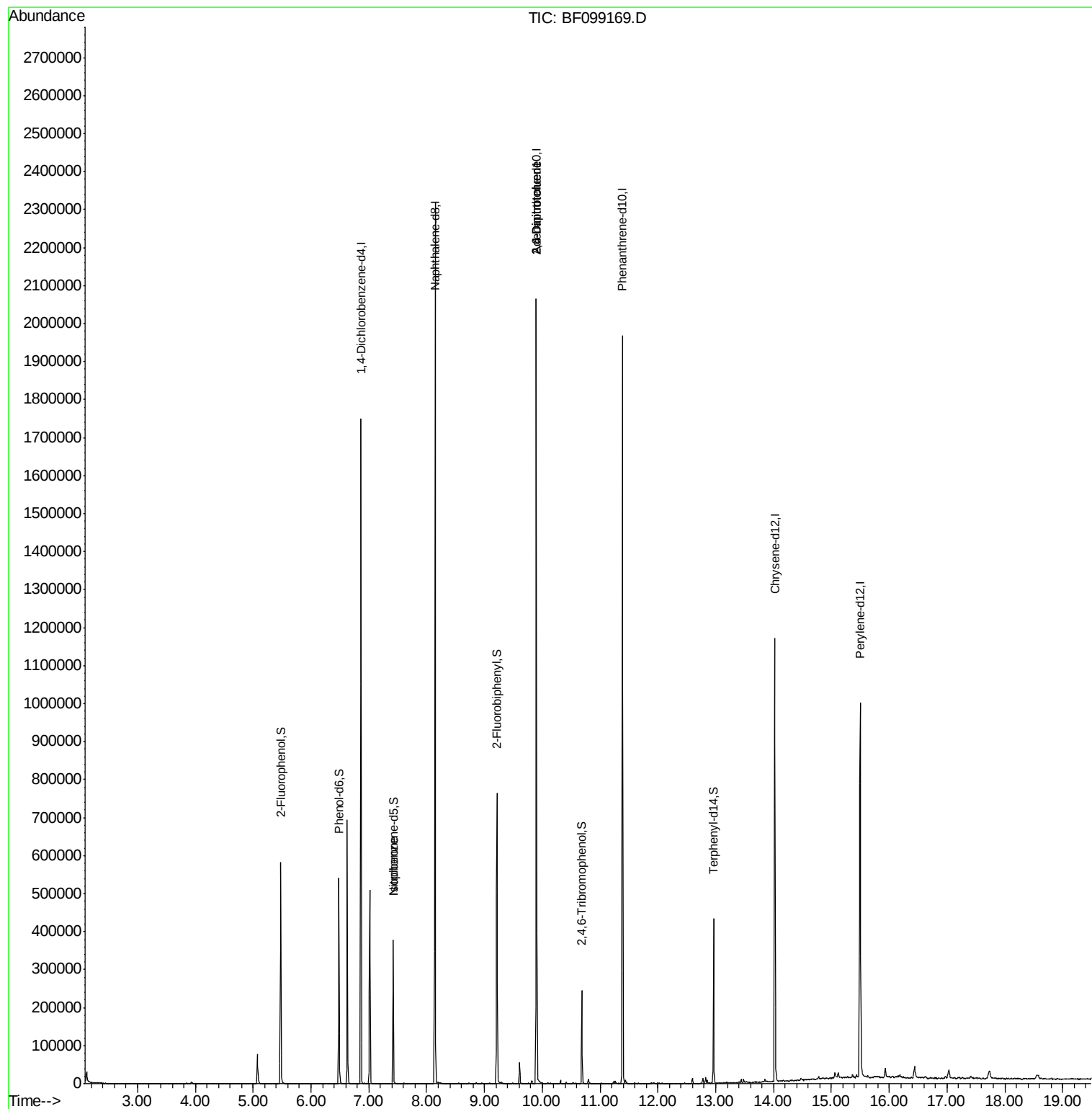
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	247623	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	976369	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	426278	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	642302	20.00	ng	0.00
75) Chrysene-d12	14.02	240	370316	20.00	ng	-0.01
86) Perylene-d12	15.50	264	438853	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	155915	10.02	ng	0.00
7) Phenol-d6	6.48	99	185039	9.64	ng	-0.02
23) Nitrobenzene-d5	7.42	82	104897	6.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	27281	7.82	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	217781	8.53	ng	-0.01
78) Terphenyl-d14	12.96	244	118171	7.26	ng	-0.01
Target Compounds						
25) Isophorone	7.42	82	104896	3.33	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	54055	7.72	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	54055	5.95	ng	# 23

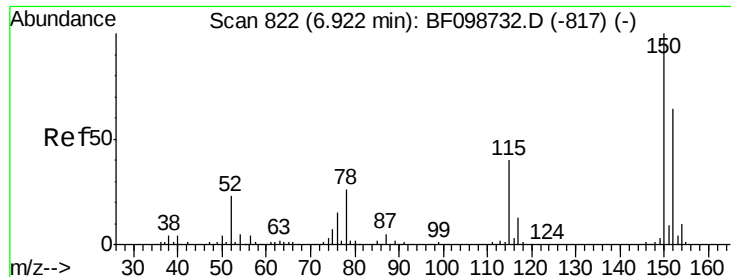
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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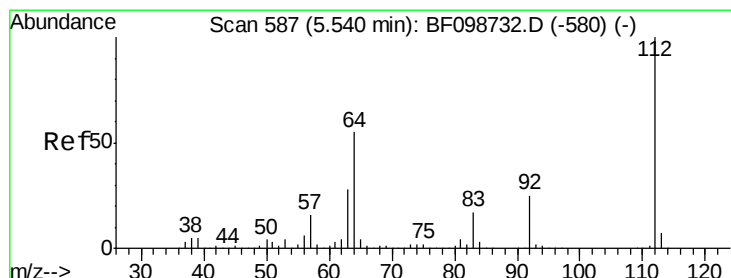
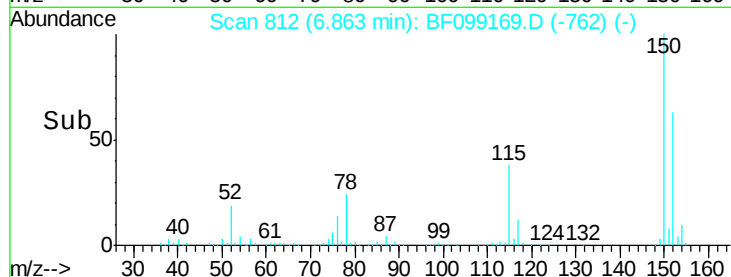
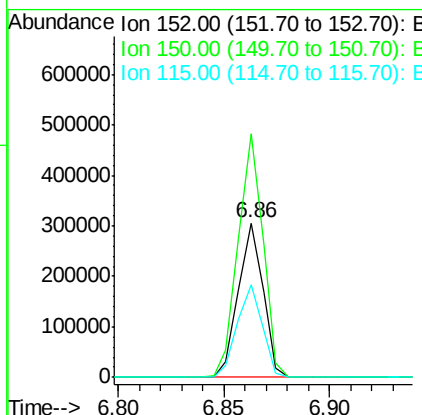
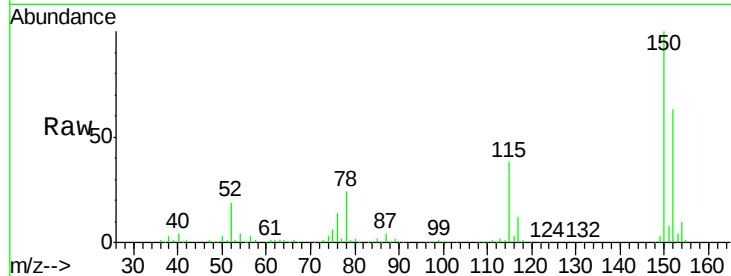


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099169.D
 Acq: 7 Oct 2017 1:23

Instrument :
 BNA_F
 ClientSampleId :

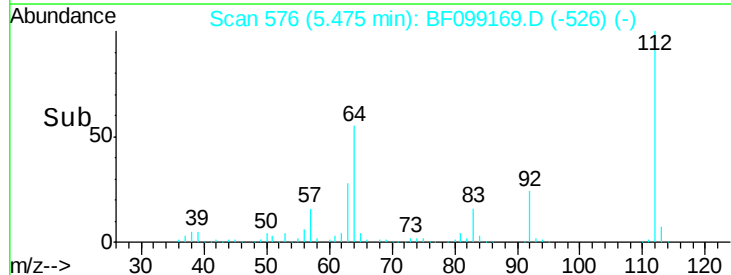
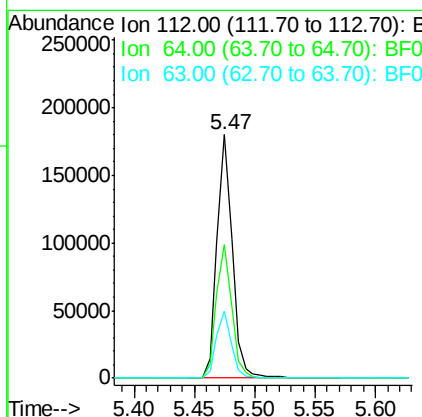
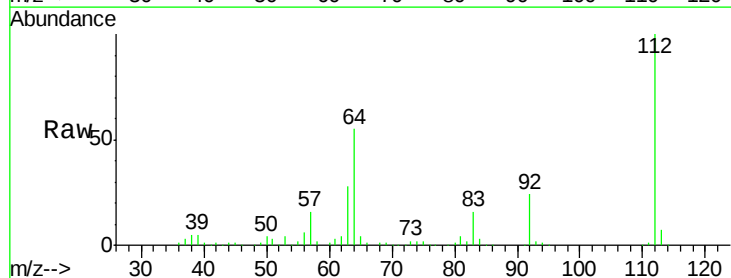
Tot Ion:152 Resp: 247623
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.6 186.8
 115 60.4 50.1 75.1

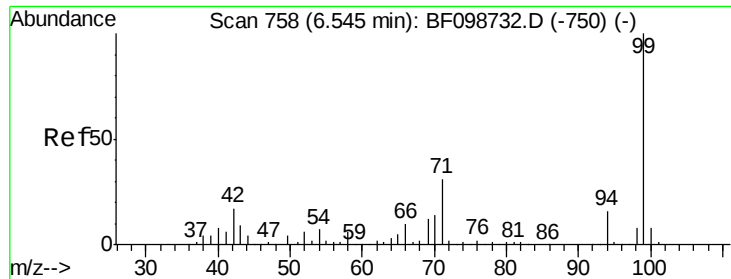


#5

2-Fluorophenol
 Concen: 10.02 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF099169.D
 Acq: 7 Oct 2017 1:23

Tgt Ion:112 Resp: 155915
 Ion Ratio Lower Upper
 112 100
 64 55.1 47.9 71.9
 63 27.6 23.7 35.5





#7

Phenol-d6

Concen: 9.64 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF099169.D

Acq: 7 Oct 2017 1:23

Instrument :

BNA_F

ClientSampleId :

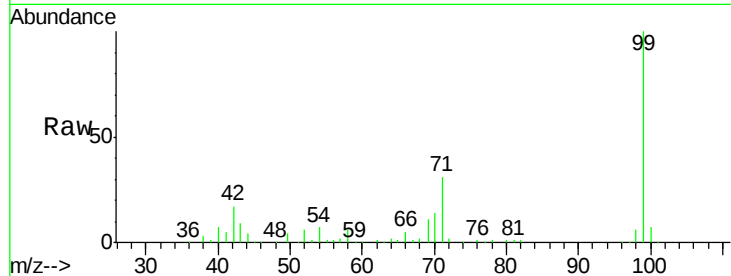
Tot Ion: 99 Resp: 185039

Ion Ratio Lower Upper

99 100

42 17.2 14.5 21.7

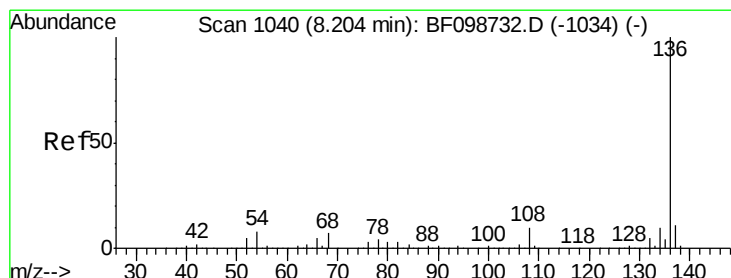
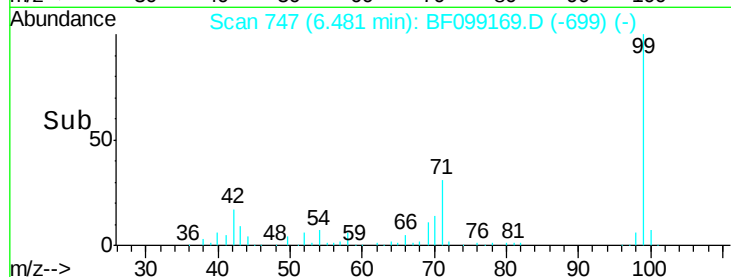
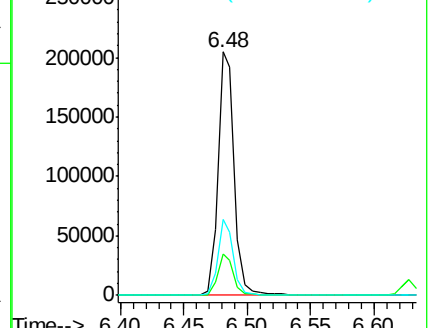
71 31.1 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099169.D

Acq: 7 Oct 2017 1:23

Tgt Ion: 136 Resp: 976369

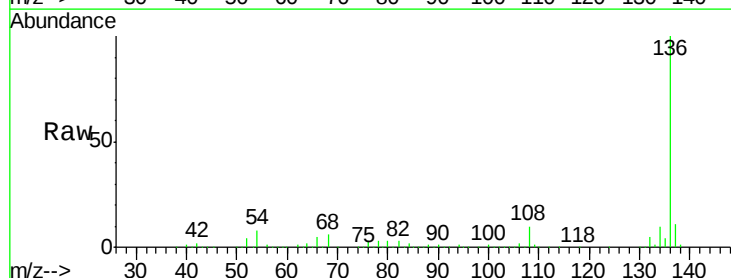
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.5 6.6 9.8

68 6.3 5.0 7.4

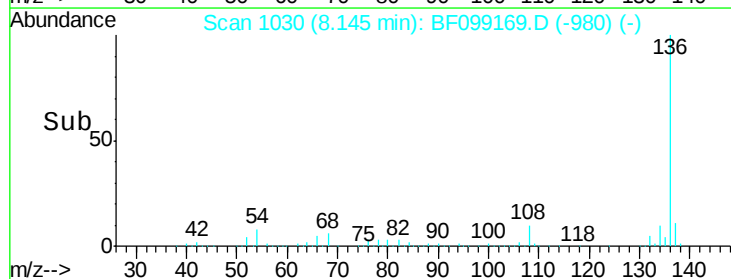
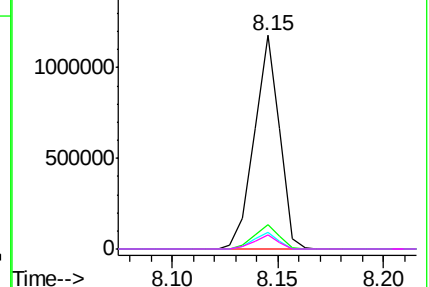


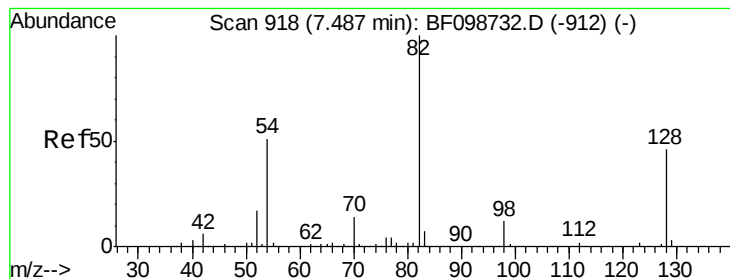
Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.89 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF099169.D

Acq: 7 Oct 2017 1:23

Instrument :

BNA_F

ClientSampleId :

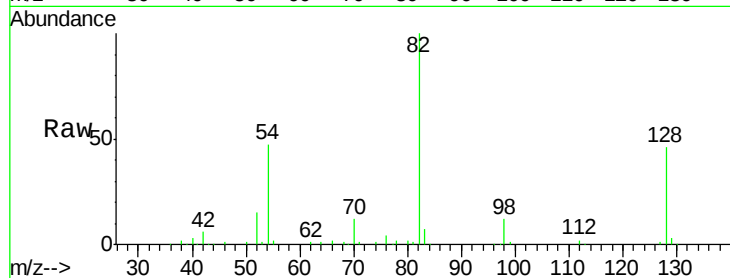
Tot Ion: 82 Resp: 104897

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

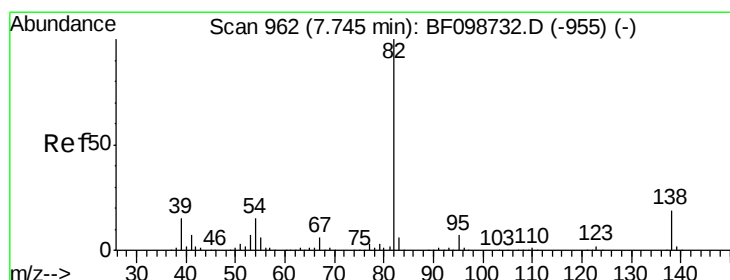
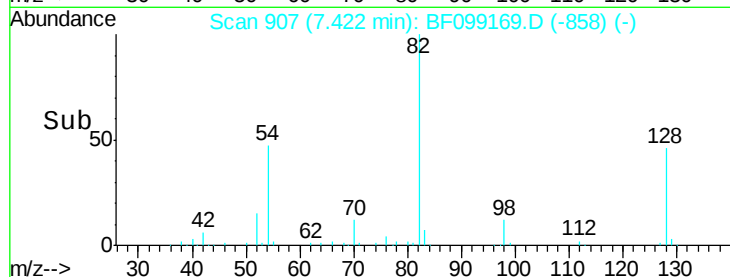
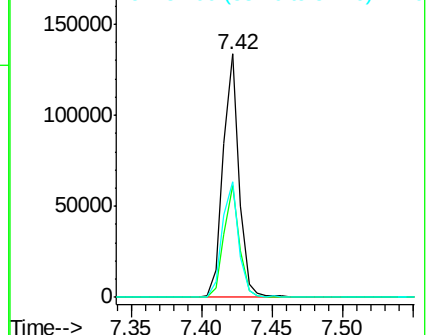
54 47.3 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 3.33 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.27 min

Lab File: BF099169.D

Acq: 7 Oct 2017 1:23

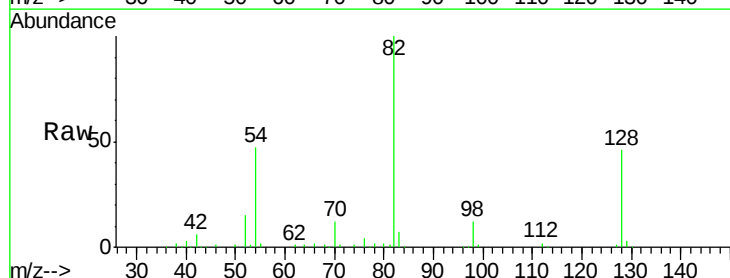
Tgt Ion: 82 Resp: 104896

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

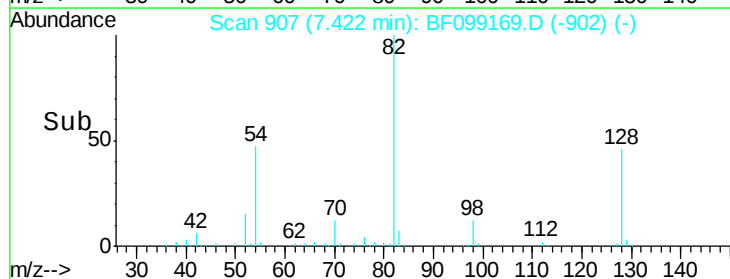
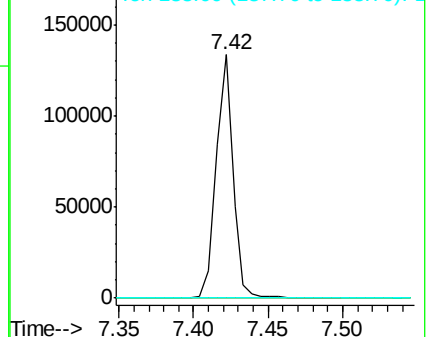
138 0.0 14.9 22.3#

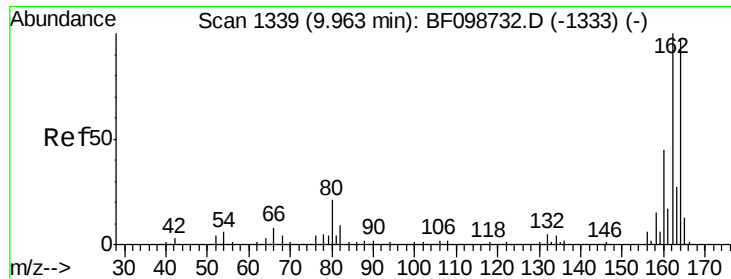


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099169.D

Acq: 7 Oct 2017 1:23

Instrument :

BNA_F

ClientSampleId :

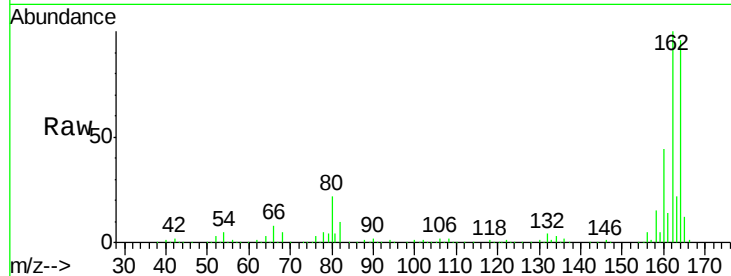
Tot Ion:164 Resp: 426278

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

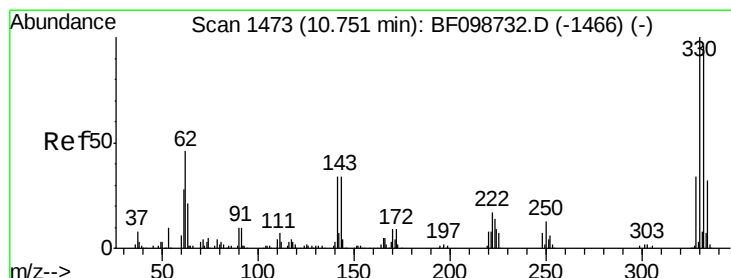
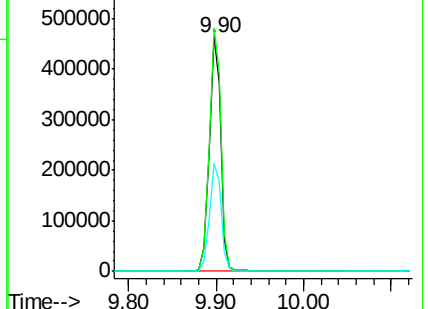
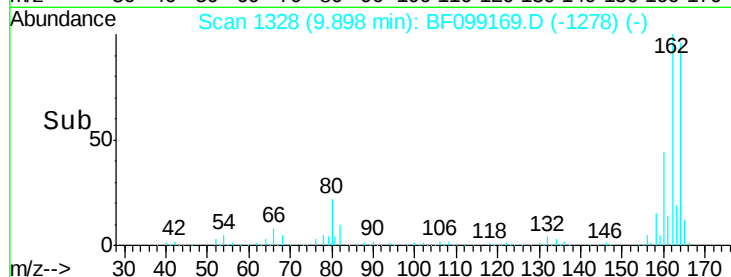
160 45.8 38.3 57.5



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: 7.82 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF099169.D

Acq: 7 Oct 2017 1:23

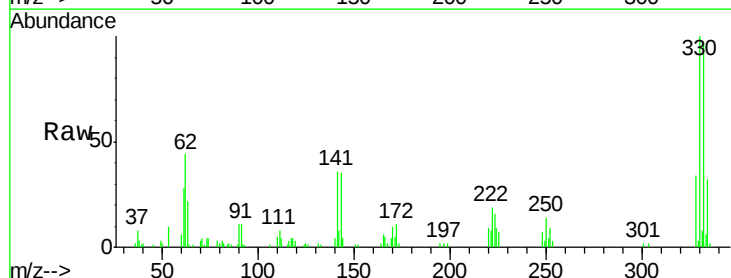
Tgt Ion:330 Resp: 27281

Ion Ratio Lower Upper

330 100

332 94.2 77.0 115.6

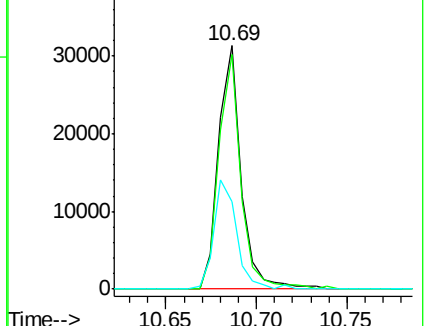
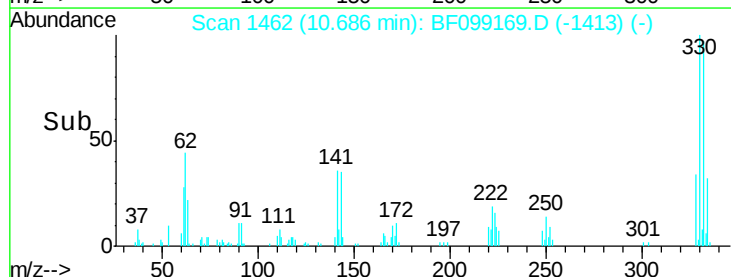
141 45.0 29.9 44.9#

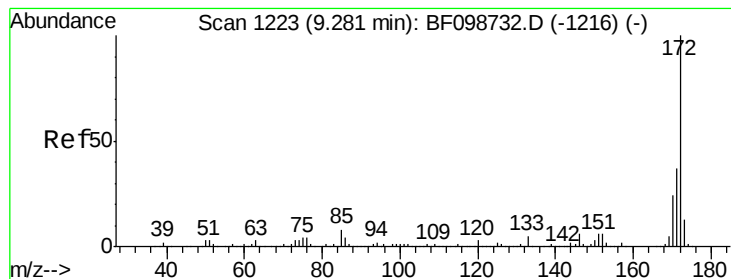


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 8.53 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BF099169.D

Acq: 7 Oct 2017 1:23

Instrument :

BNA_F

ClientSampleId :

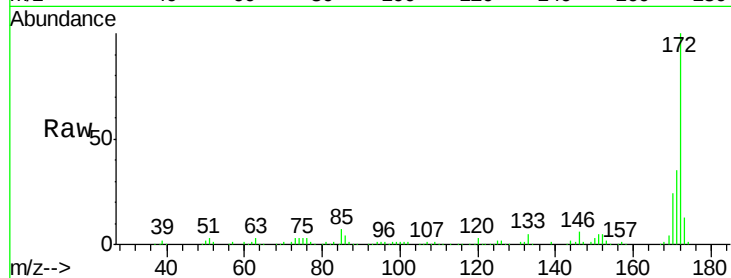
Tot Ion:172 Resp: 217781

Ion Ratio Lower Upper

172 100

171 34.6 29.7 44.5

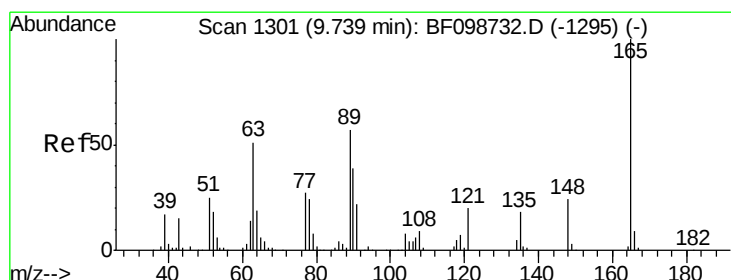
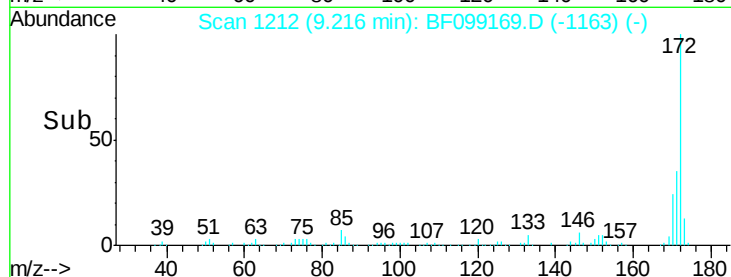
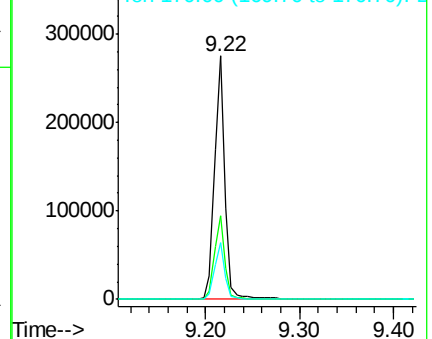
170 23.6 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 7.72 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF099169.D

Acq: 7 Oct 2017 1:23

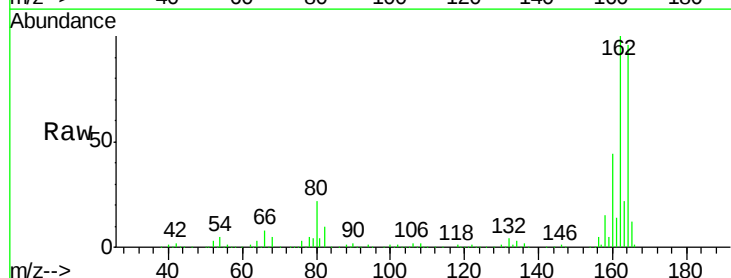
Tgt Ion:165 Resp: 54055

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

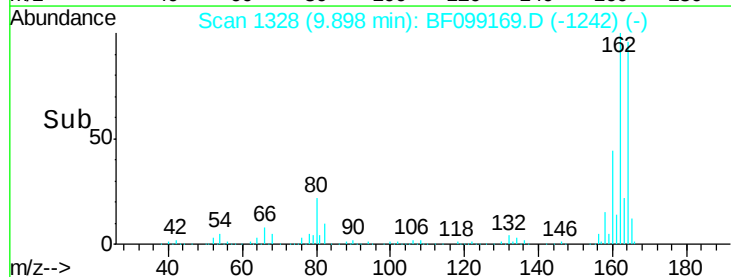
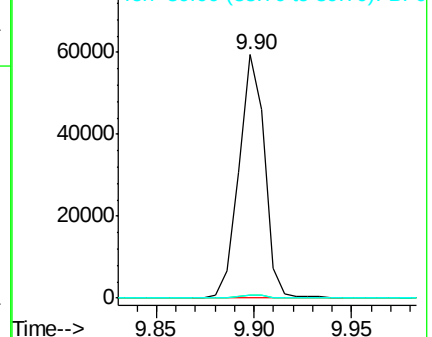
89 1.3 44.0 66.0#

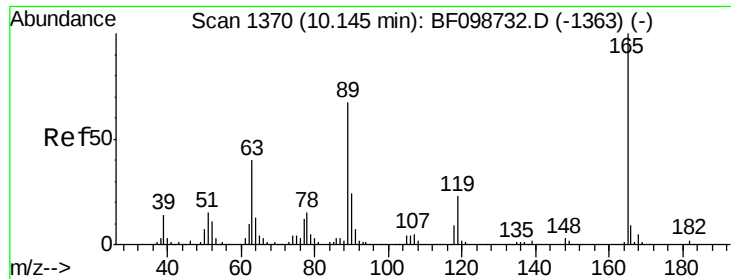


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

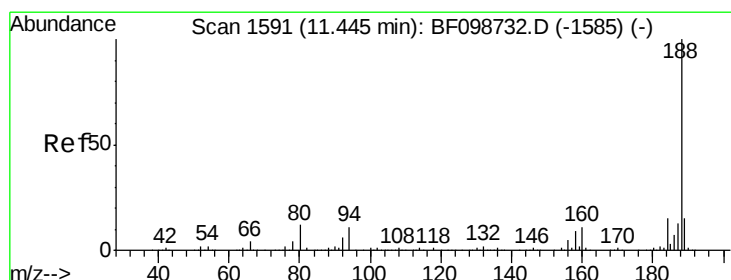
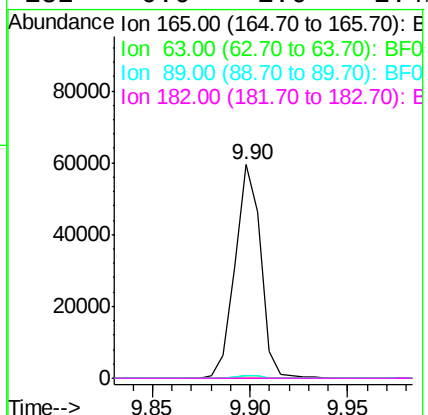
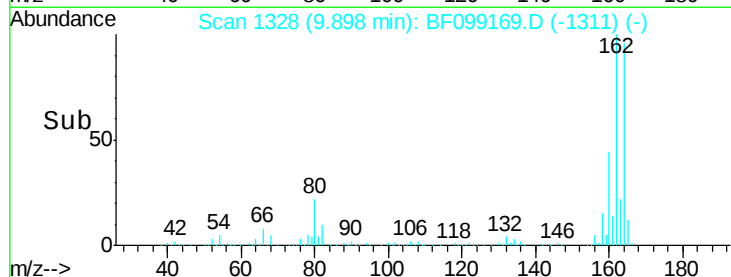
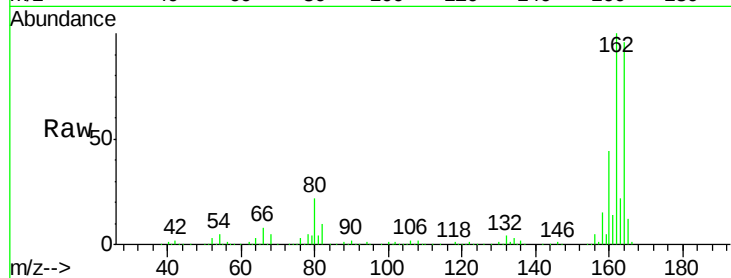




#56
 2,4-Dinitrotoluene
 Concen: 5.95 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099169.D
 Acq: 7 Oct 2017 1:23

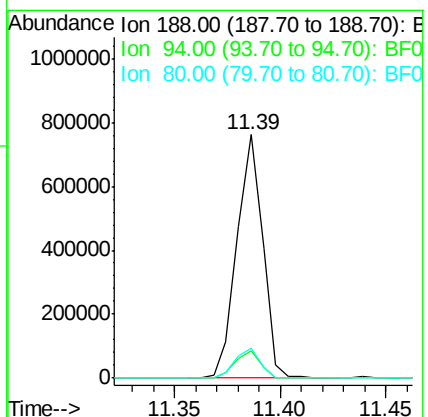
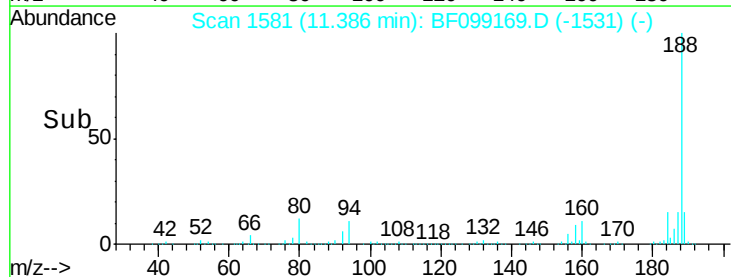
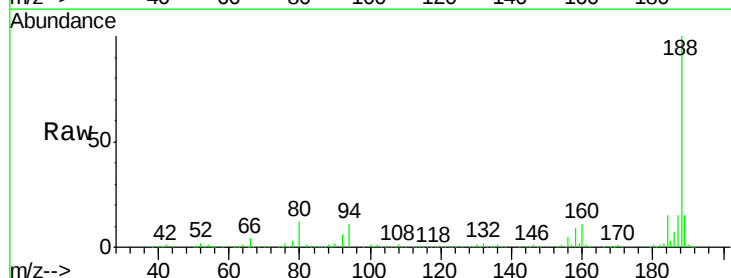
Instrument :
 BNA_F
 ClientSampleId :

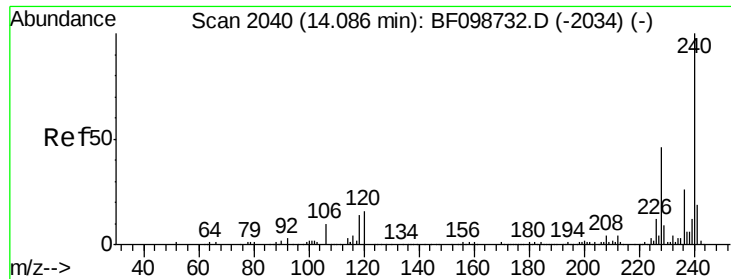
Tot Ion:165	Resp:	54055
Ion Ratio	Lower	Upper
165	100	
63	1.3	36.4 54.6#
89	1.3	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099169.D
 Acq: 7 Oct 2017 1:23

Tgt Ion:188	Resp:	642302
Ion Ratio	Lower	Upper
188	100	
94	11.2	8.5 12.7
80	12.4	9.2 13.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099169.D

Acq: 7 Oct 2017 1:23

Instrument :

BNA_F

ClientSampled :

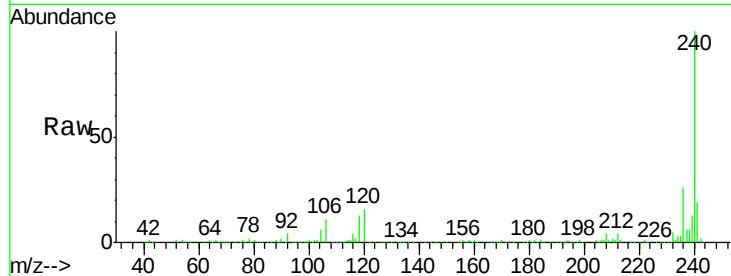
Tot Ion:240 Resp: 370316

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

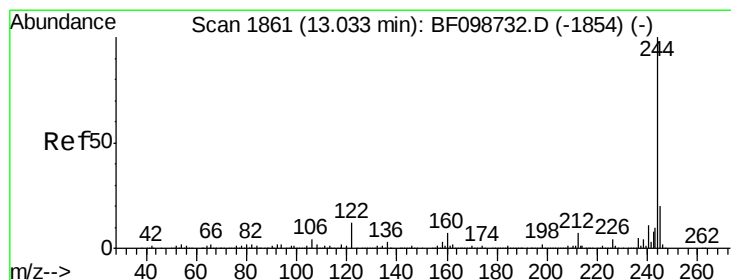
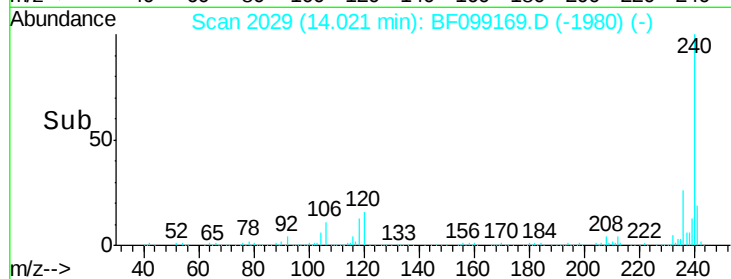
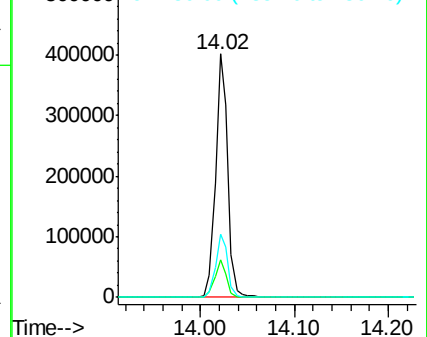
236 25.7 20.7 31.1



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: 7.26 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF099169.D

Acq: 7 Oct 2017 1:23

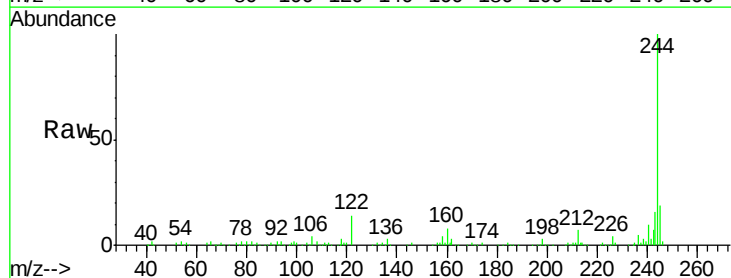
Tgt Ion:244 Resp: 118171

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

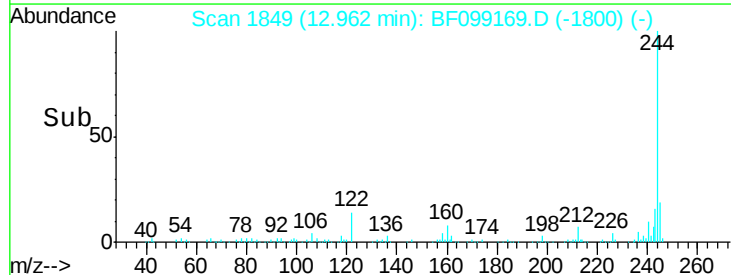
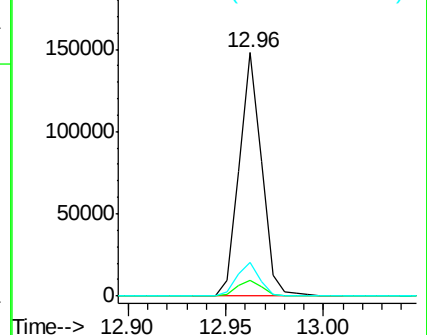
122 13.8 11.0 16.4

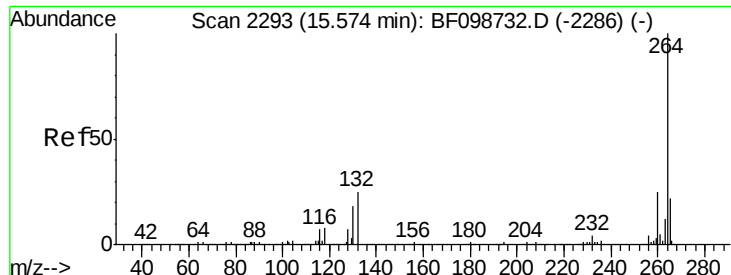


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

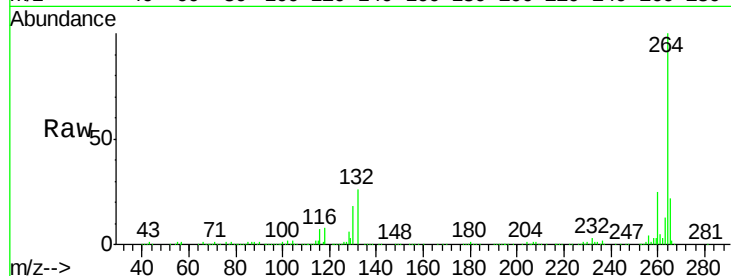




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF099169.D
 Acq: 7 Oct 2017 1:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.9	17.5	26.3



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

