

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099221.D
 Acq On : 8 Oct 2017 5:15
 Operator : SJ/JU
 Sample : I5715-03
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-A

Quant Time: Oct 08 06:07:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Oct 08 03:54:40 2017
 Response via : Initial Calibration

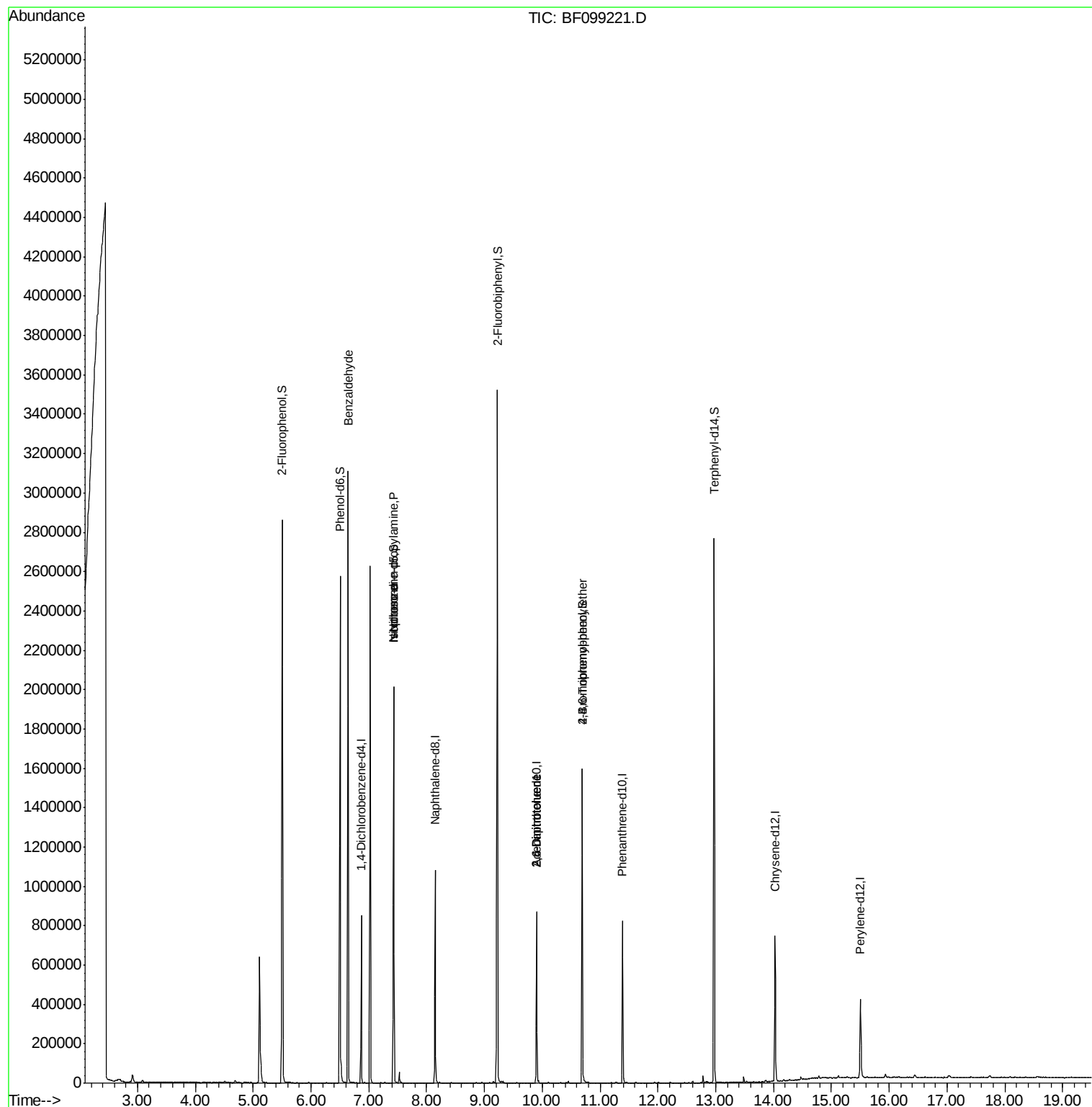
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	126273	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	478534	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	182254	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	277314	20.00	ng	0.00
75) Chrysene-d12	14.03	240	230800	20.00	ng	0.00
86) Perylene-d12	15.50	264	172690	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	955056	120.40	ng	0.02
7) Phenol-d6	6.50	99	989660	101.14	ng	0.00
23) Nitrobenzene-d5	7.43	82	692988	92.87	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	186850	125.29	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1190279	109.03	ng	0.00
78) Terphenyl-d14	12.97	244	897335	88.42	ng	0.00
Target Compounds						
9) Benzaldehyde	6.64	77	19367	3.412	ng	87
19) n-Nitroso-di-n-propylamine	7.43	70	87504	14.006	ng	# 74
25) Isophorone	7.43	82	692982	44.918	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	22869	7.637	ng	# 24
56) 2,4-Dinitrotoluene	9.90	165	22869	5.884	ng	# 21
66) 4-Bromophenyl-phenylether	10.69	248	12290	4.528	ng	# 1

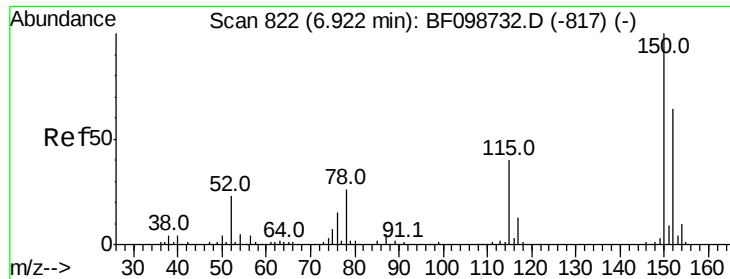
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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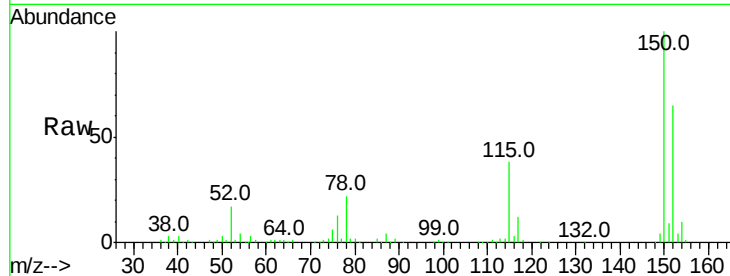


#1

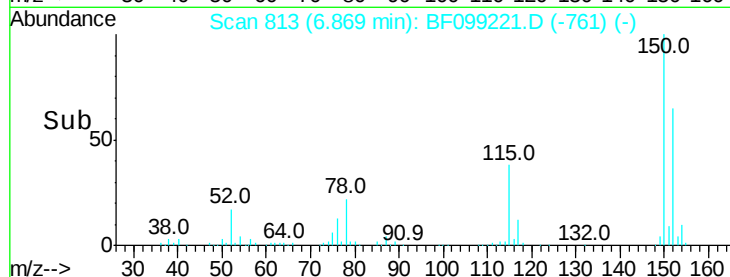
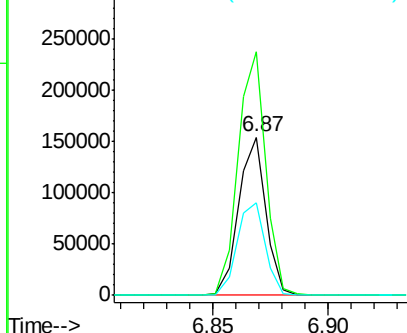
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.01 min
Lab File: BF099221.D
Acq: 8 Oct 2017 5:15

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

Tot Ion:152 Resp: 126273
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 58.4 50.1 75.1



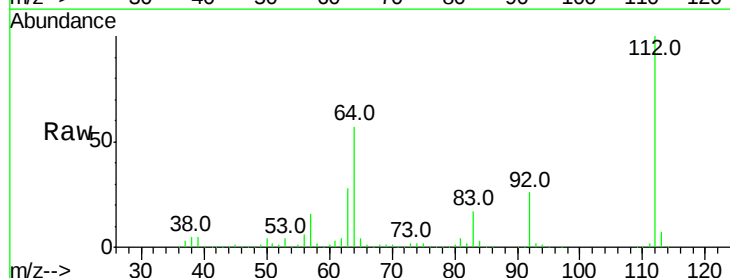
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



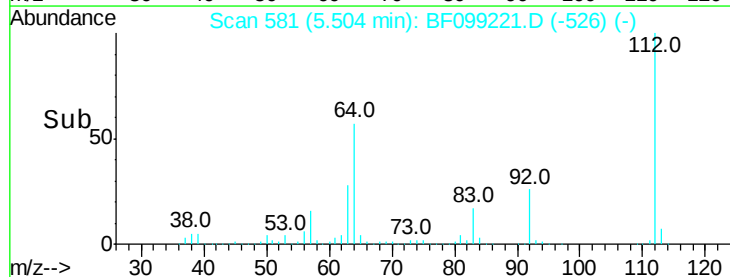
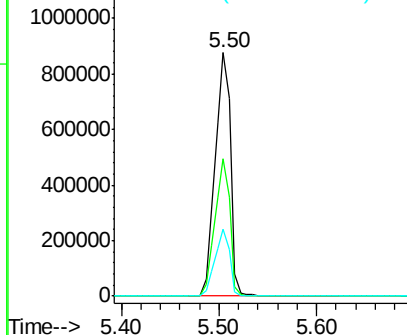
#5

2-Fluorophenol
Concen: 120.402 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF099221.D
Acq: 8 Oct 2017 5:15

Tgt Ion:112 Resp: 955056
Ion Ratio Lower Upper
112 100
64 56.7 47.9 71.9
63 27.7 23.7 35.5



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: 101.138 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099221.D

Acq: 8 Oct 2017 5:15

Instrument :

BNA_F

ClientSampleId :

PL-02-100517-A

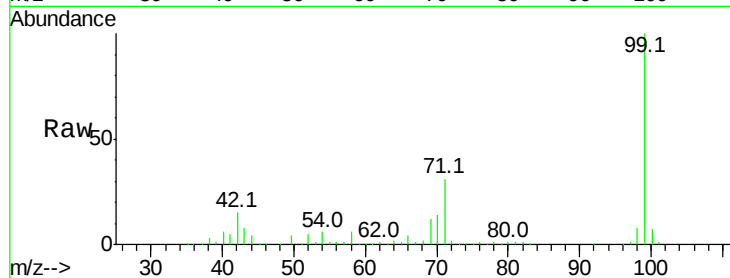
Tot Ion: 99 Resp: 989660

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

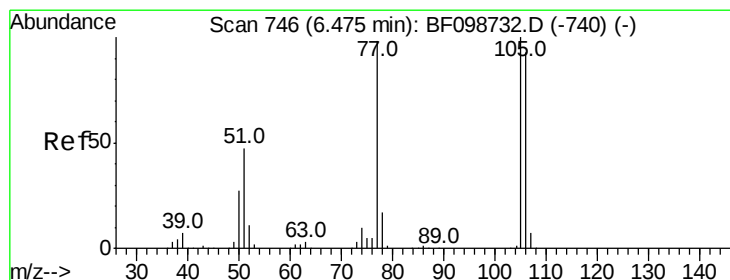
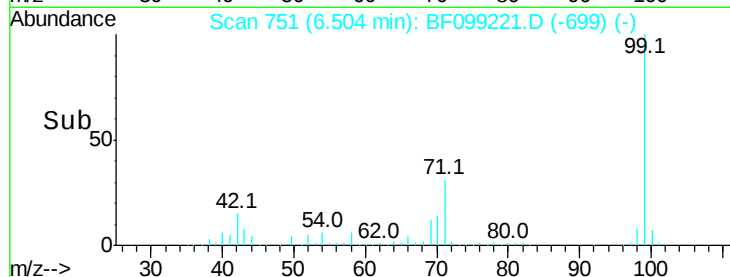
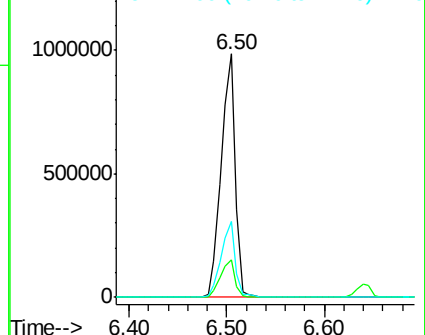
71 31.3 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.412 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099221.D

Acq: 8 Oct 2017 5:15

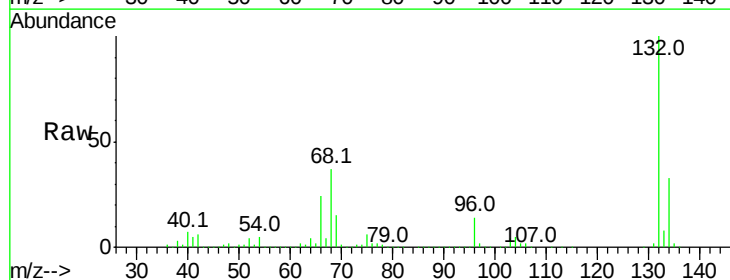
Tgt Ion: 77 Resp: 19367

Ion Ratio Lower Upper

77 100

105 81.9 81.1 121.1

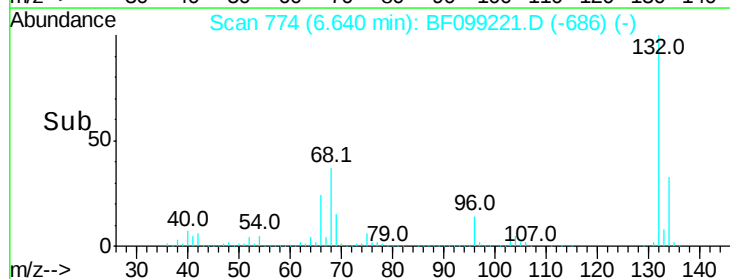
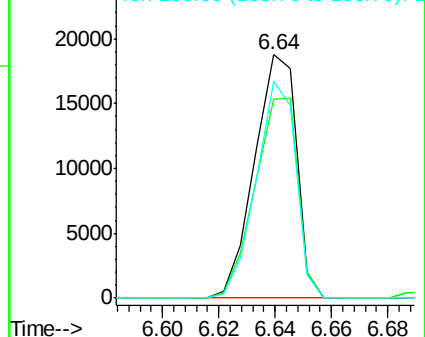
106 88.9 74.5 114.5

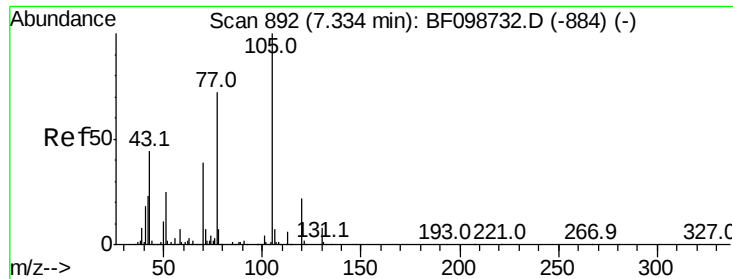


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

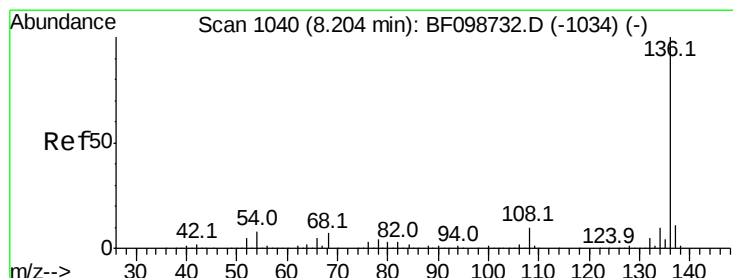
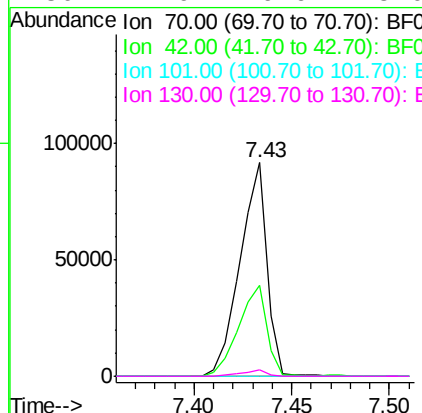
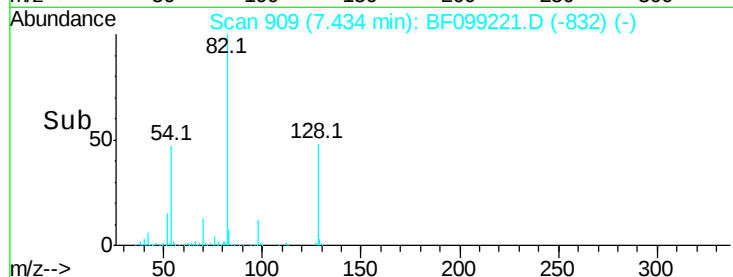
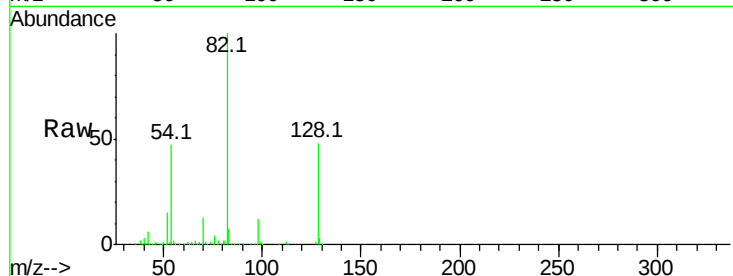




#19
n-Nitroso-di-n-propylamine
Concen: 14.006 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.15 min
Lab File: BF099221.D
Acq: 8 Oct 2017 5:15

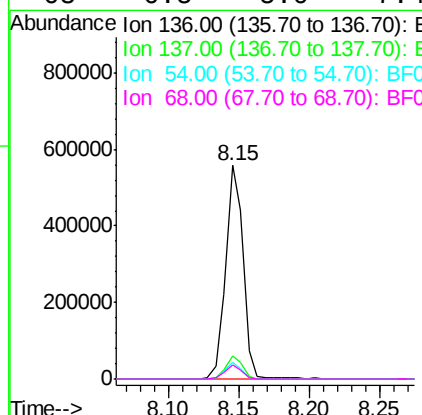
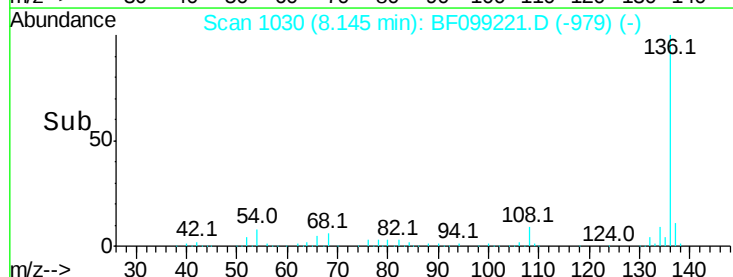
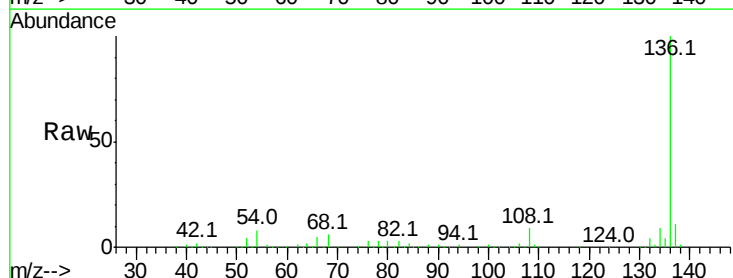
Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

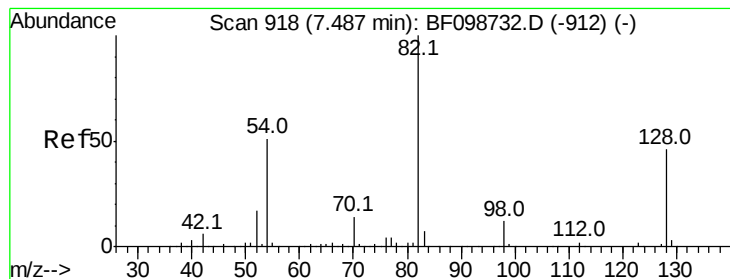
Tot Ion: 70 Resp: 87504
Ion Ratio Lower Upper
70 100
42 42.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF099221.D
Acq: 8 Oct 2017 5:15

Tgt Ion: 136 Resp: 478534
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.8 6.6 9.8
68 6.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 92.870 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: BF099221.D

Acq: 8 Oct 2017 5:15

Instrument :

BNA_F

ClientSampleId :

PL-02-100517-A

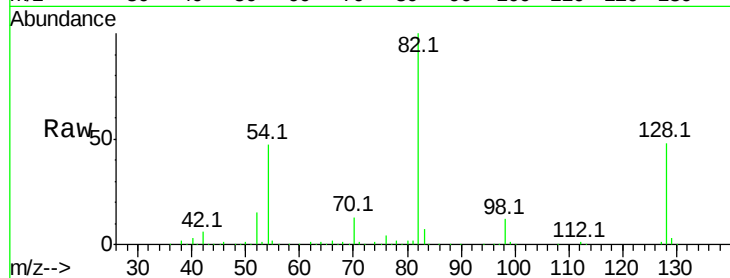
Tot Ion: 82 Resp: 692988

Ion Ratio Lower Upper

82 100

128 48.3 36.1 54.1

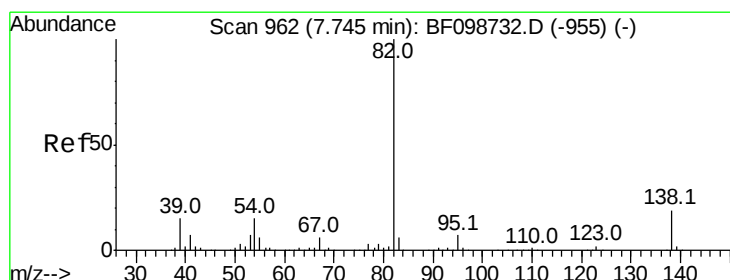
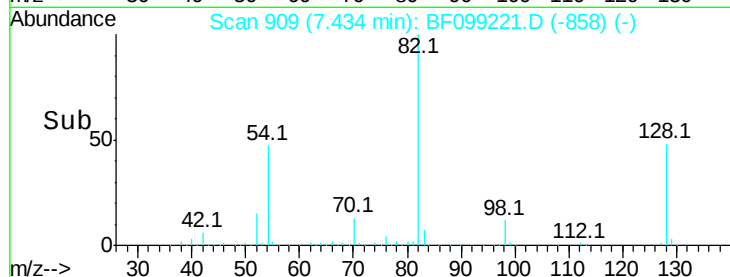
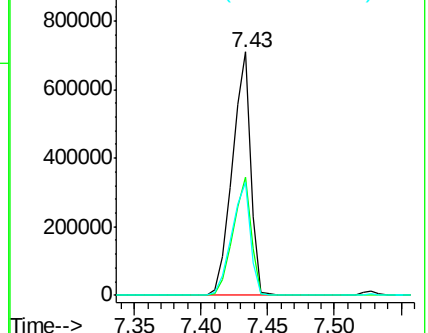
54 46.7 41.4 62.2



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: 44.918 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.25 min

Lab File: BF099221.D

Acq: 8 Oct 2017 5:15

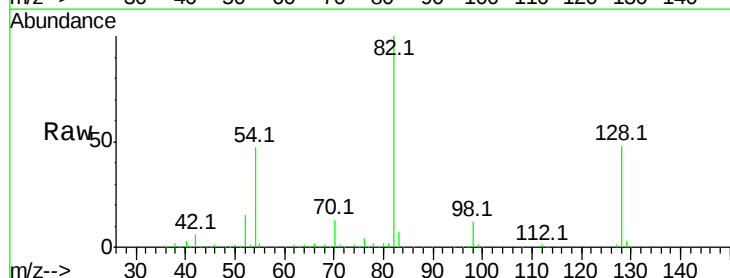
Tgt Ion: 82 Resp: 692982

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

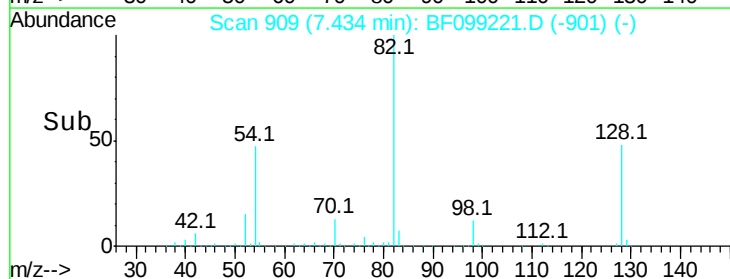
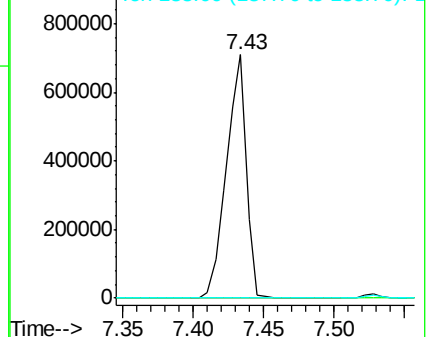
138 0.0 14.9 22.3#



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

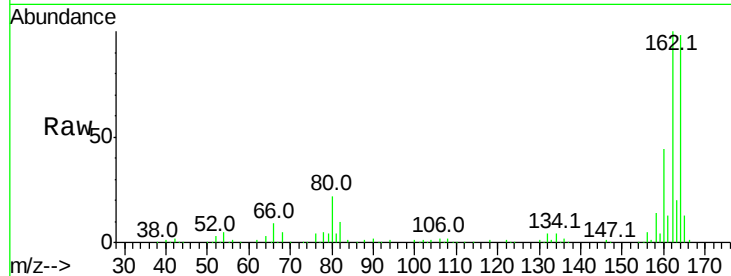




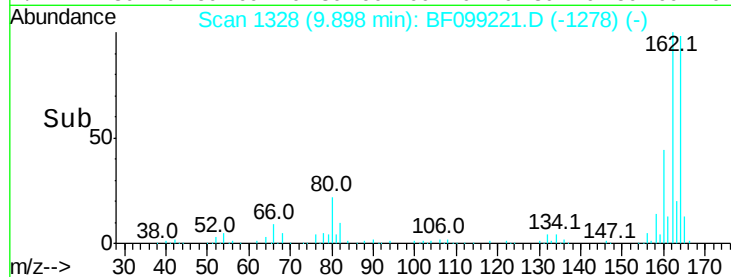
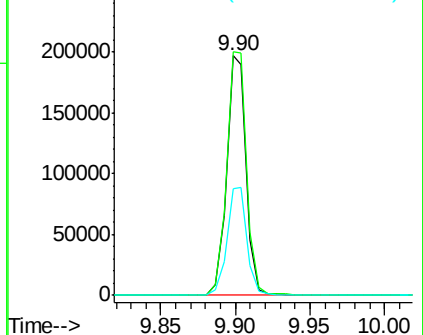
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099221.D
Acq: 8 Oct 2017 5:15

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-A

Tot Ion:164 Resp: 182254
Ion Ratio Lower Upper
164 100
162 101.6 86.1 129.1
160 44.3 38.3 57.5

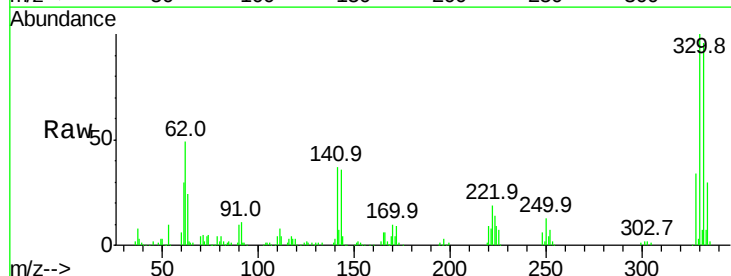


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

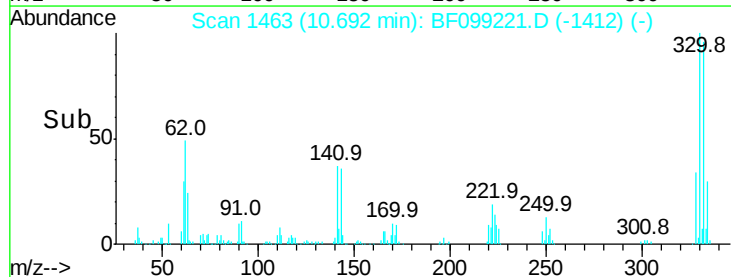
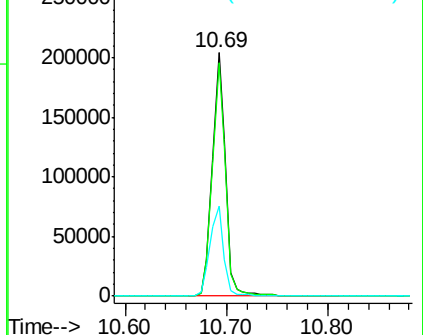


#41
2,4,6-Tribromophenol
Concen: 125.291 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BF099221.D
Acq: 8 Oct 2017 5:15

Tgt Ion:330 Resp: 186850
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.6
141 38.7 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



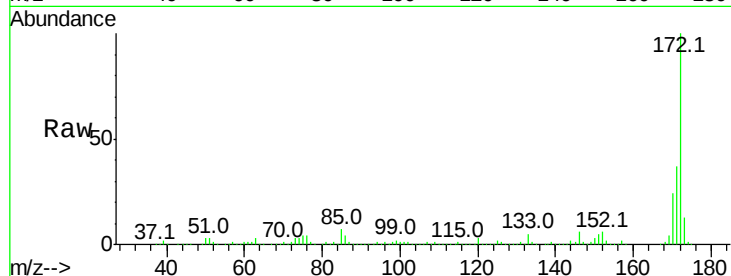


#44
 2-Fluorobiphenyl
 Concen: 109.028 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF099221.D
 Acq: 8 Oct 2017 5:15

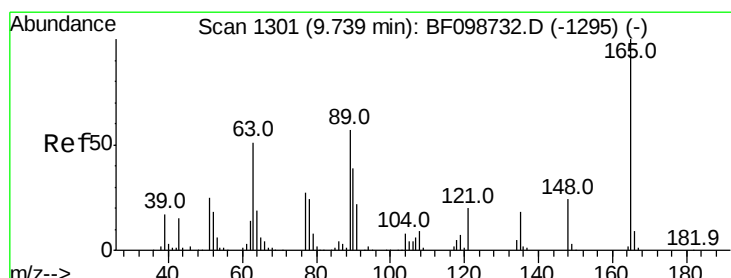
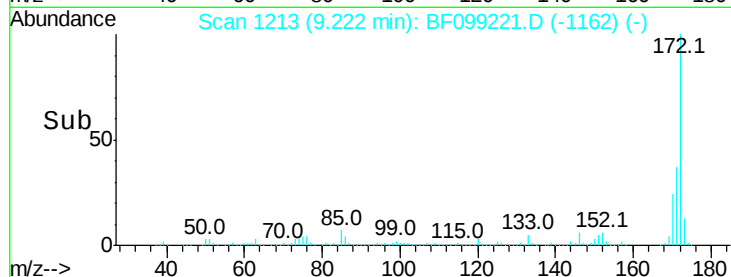
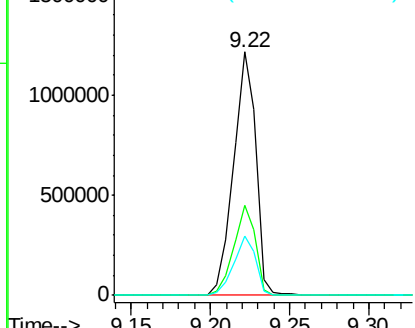
Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-A

Tot Ion:172 Resp: 1190279

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.2	19.6	29.4



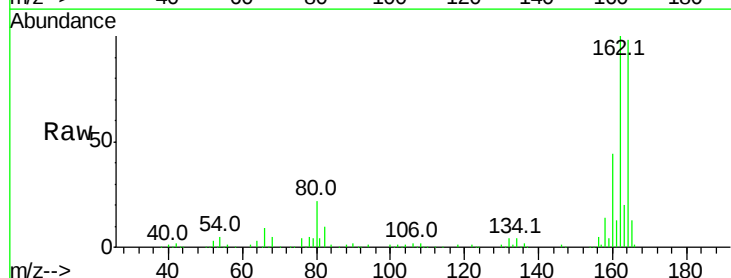
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



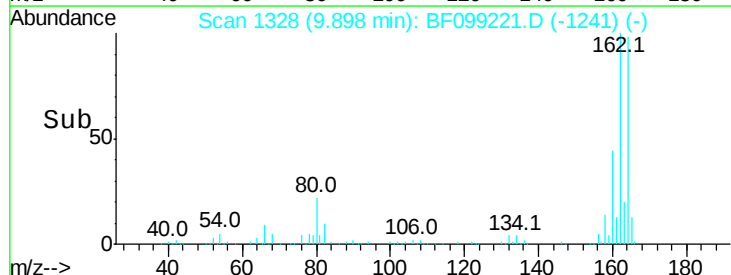
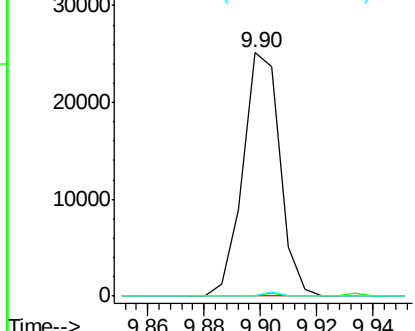
#50
 2,6-Dinitrotoluene
 Concen: 7.637 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099221.D
 Acq: 8 Oct 2017 5:15

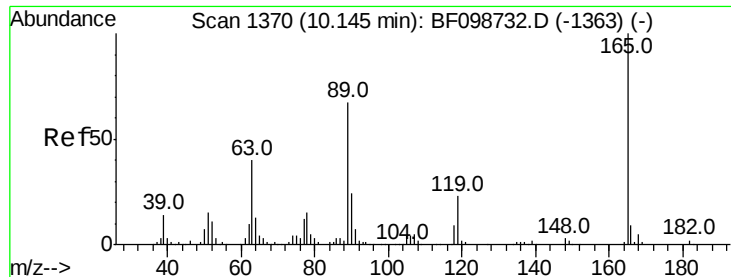
Tgt Ion:165 Resp: 22869

Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	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

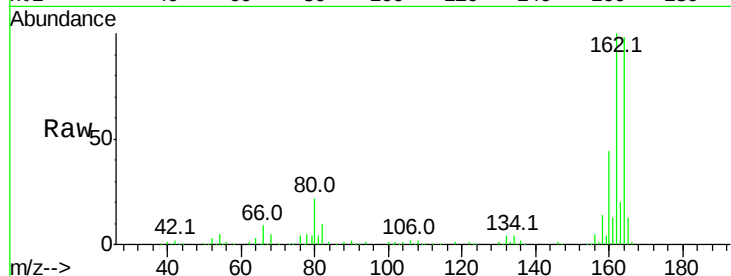




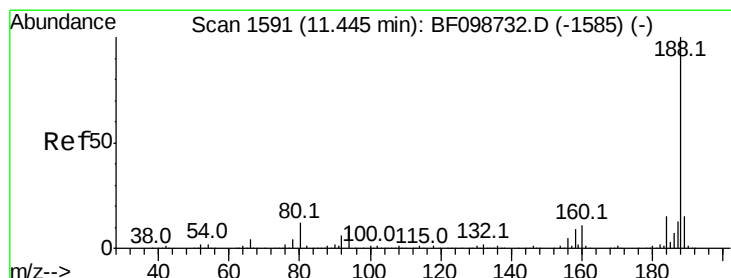
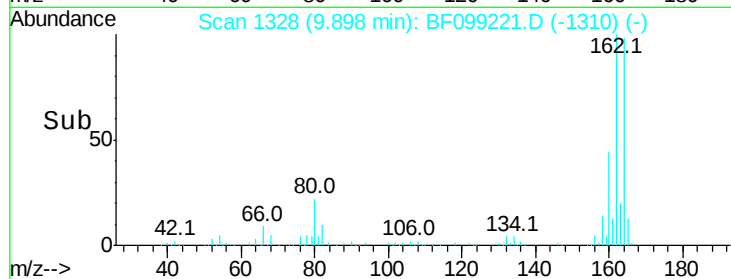
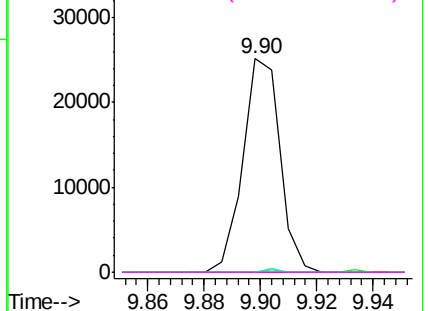
#56
 2,4-Dinitrotoluene
 Concen: 5.884 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.19 min
 Lab File: BF099221.D
 Acq: 8 Oct 2017 5:15

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-A

Tot Ion:165	Resp:	22869
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#

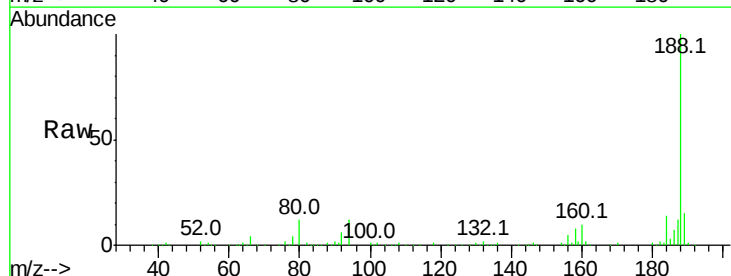


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

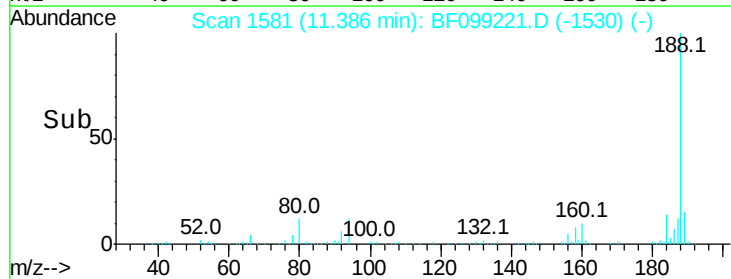
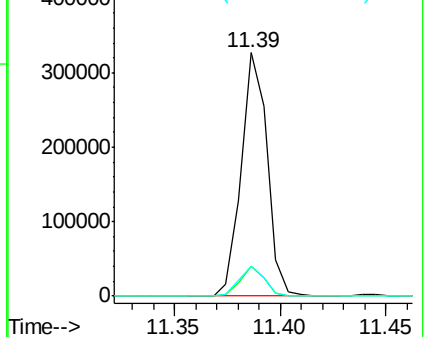


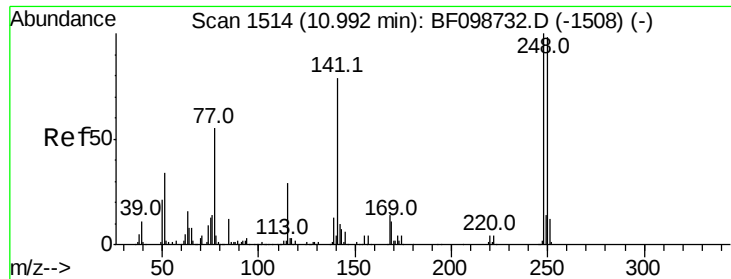
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: BF099221.D
 Acq: 8 Oct 2017 5:15

Tgt Ion:188	Resp:	277314
Ion Ratio	Lower	Upper
188	100	
94	12.1	8.5 12.7
80	12.1	9.2 13.8



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

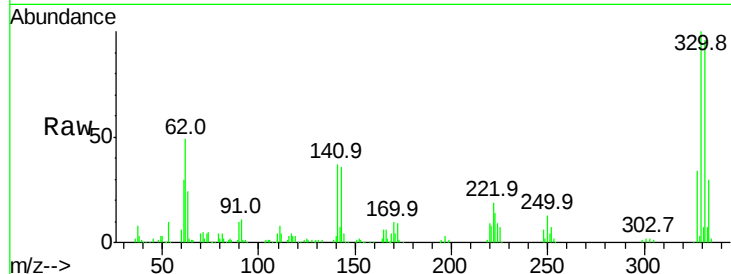




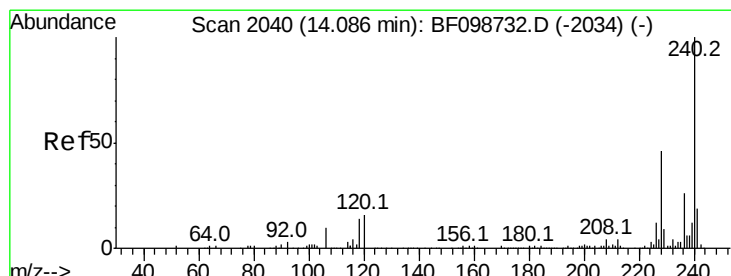
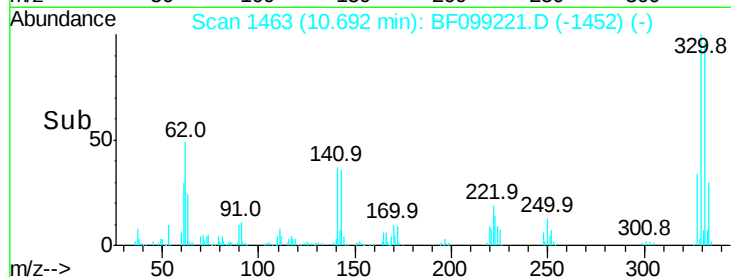
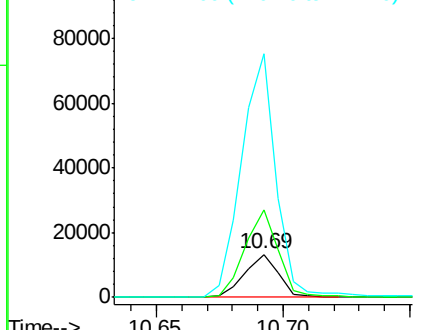
#66
 4-Bromophenyl-phenylether
 Concen: 4.528 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099221.D
 Acq: 8 Oct 2017 5:15

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-A

Tot Ion:248 Resp: 12290
 Ion Ratio Lower Upper
 248 100
 250 204.5 76.9 115.3#
 141 568.0 74.4 111.6#

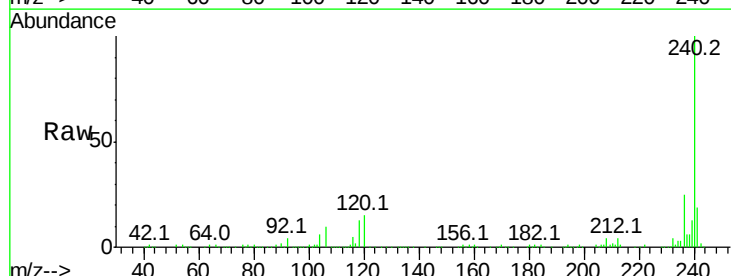


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

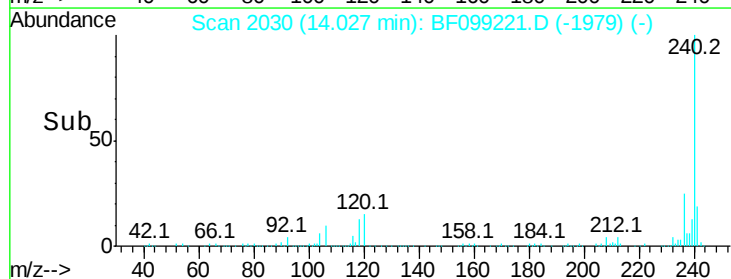
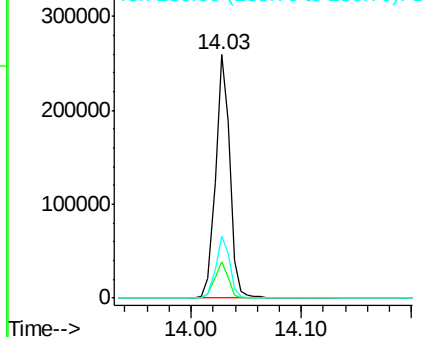


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: BF099221.D
 Acq: 8 Oct 2017 5:15

Tgt Ion:240 Resp: 230800
 Ion Ratio Lower Upper
 240 100
 120 15.1 9.5 14.3#
 236 25.1 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: 88.419 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.01 min

Lab File: BF099221.D

Acq: 8 Oct 2017 5:15

Instrument :

BNA_F

ClientSampleId :

PL-02-100517-A

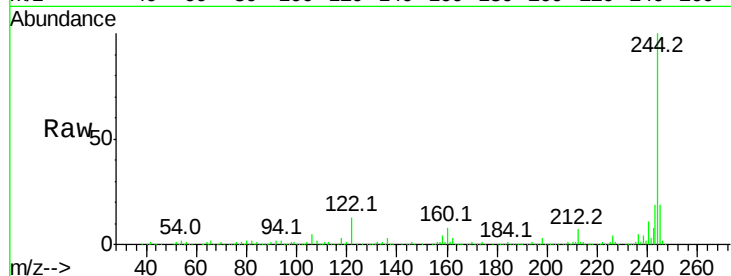
Tot Ion:244 Resp: 897335

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

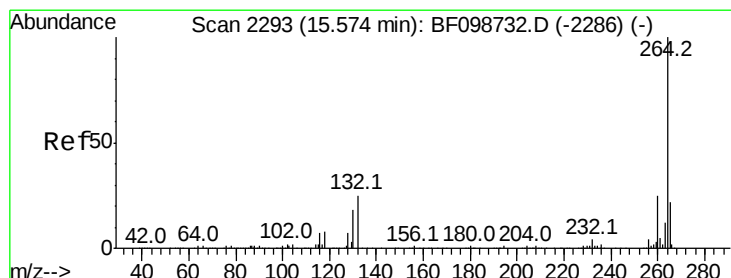
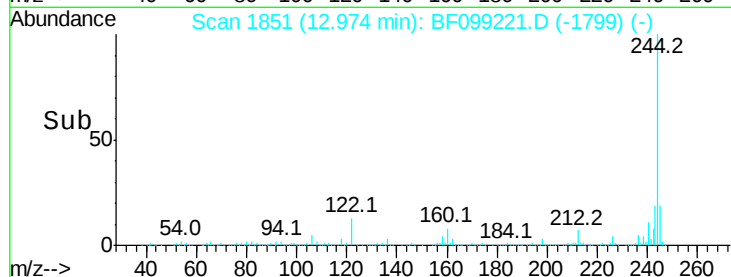
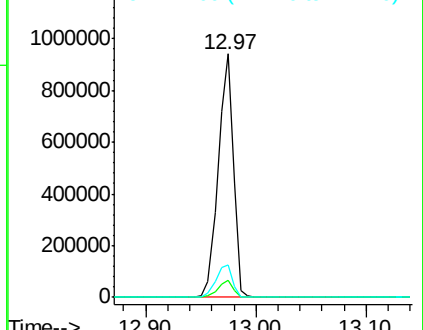
122 13.3 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BF099221.D

Acq: 8 Oct 2017 5:15

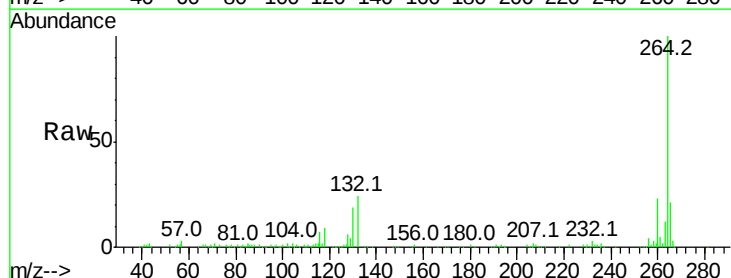
Tgt Ion:264 Resp: 172690

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.3 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

