

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099105.D
 Acq On : 5 Oct 2017 16:07
 Operator : SJ/JU
 Sample : I5610-26
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 05 17:16:27 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 09:04:50 2017
 Response via : Initial Calibration

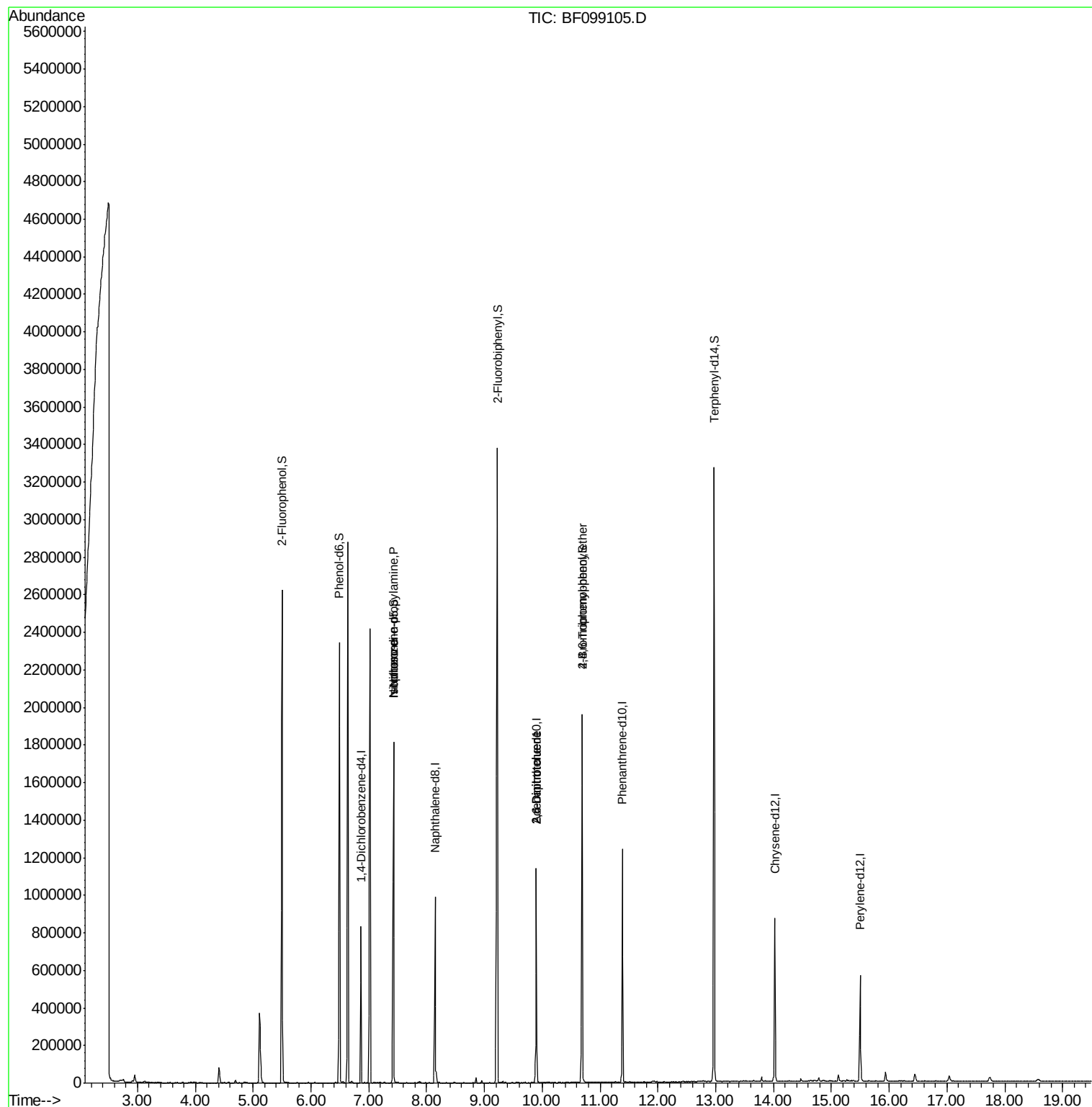
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	122449	20.00	ng	-0.06
21) Naphthalene-d8	8.15	136	507266	20.00	ng	-0.06
38) Acenaphthene-d10	9.90	164	227751	20.00	ng	-0.06
63) Phenanthrene-d10	11.39	188	407218	20.00	ng	-0.06
75) Chrysene-d12	14.02	240	295089	20.00	ng	-0.06
86) Perylene-d12	15.50	264	228124	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	888853	115.56	ng	-0.04
7) Phenol-d6	6.49	99	947311	99.83	ng	-0.05
23) Nitrobenzene-d5	7.43	82	747419	94.49	ng	-0.06
41) 2,4,6-Tribromophenol	10.69	330	247965	133.06	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	1317907	96.60	ng	-0.06
78) Terphenyl-d14	12.97	244	1152367	88.81	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	97003	16.012	ng	# 76
25) Isophorone	7.43	82	719532	43.998	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	28992	7.747	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	28992	5.969	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	16627	4.171	ng	# 1

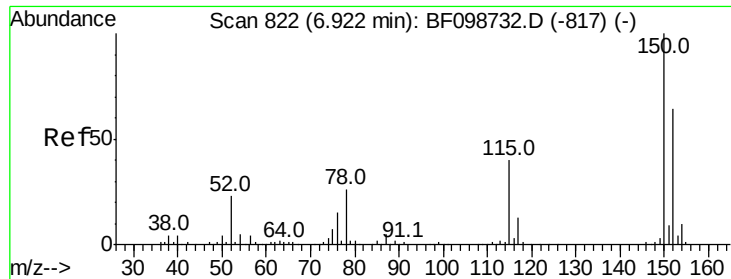
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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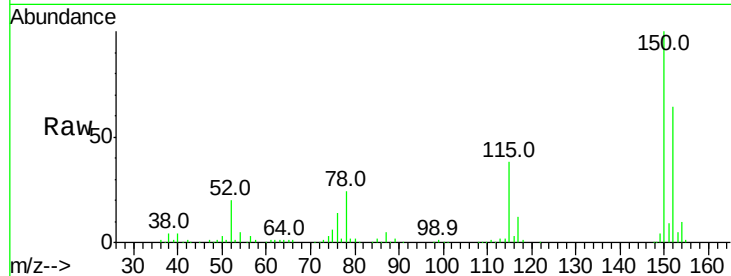


#1

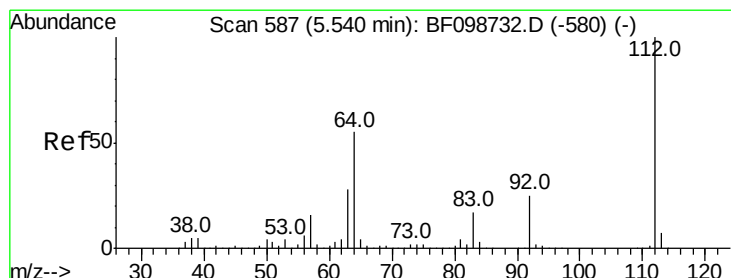
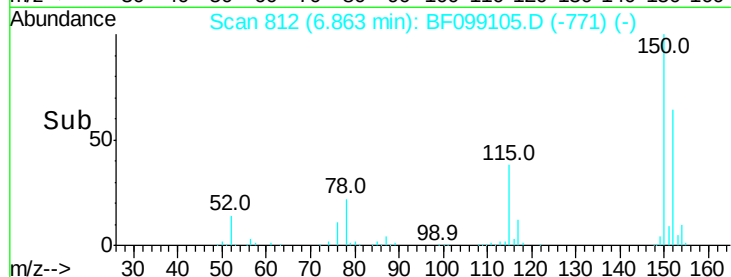
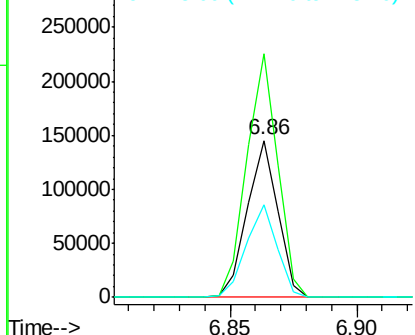
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.06 min
Lab File: BF099105.D
Acq: 5 Oct 2017 16:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122449
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 58.9 50.1 75.1



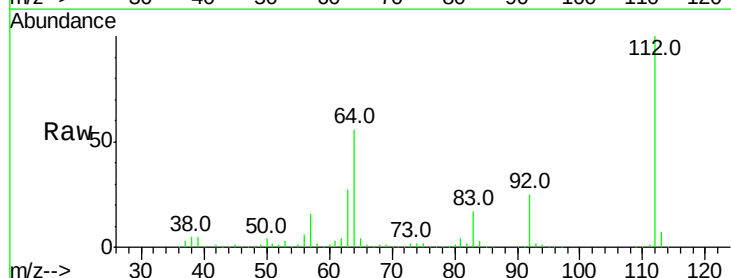
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



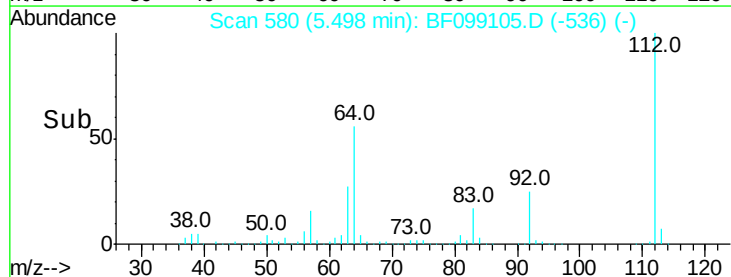
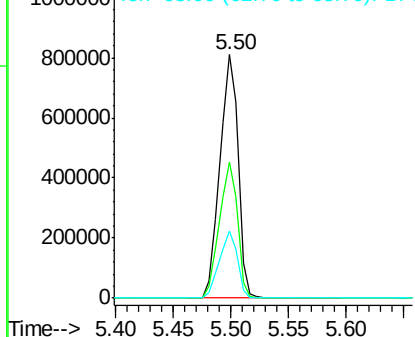
#5

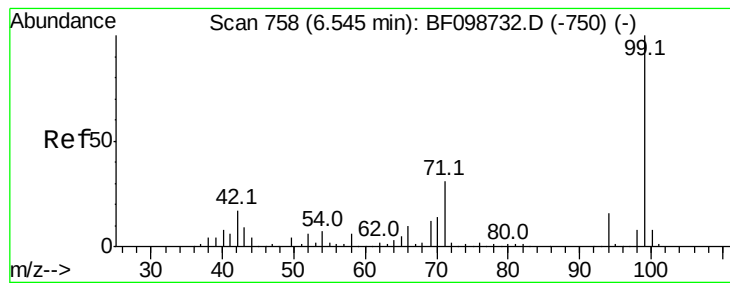
2-Fluorophenol
Concen: 115.556 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.04 min
Lab File: BF099105.D
Acq: 5 Oct 2017 16:07

Tgt Ion:112 Resp: 888853
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 27.4 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: 99.833 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.05 min

Lab File: BF099105.D

Acq: 5 Oct 2017 16:07

Instrument :

BNA_F

ClientSampled :

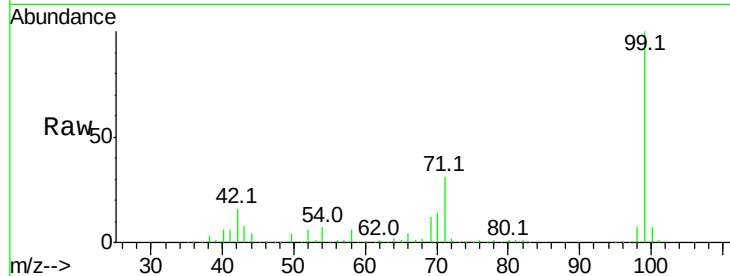
Tot Ion: 99 Resp: 947311

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

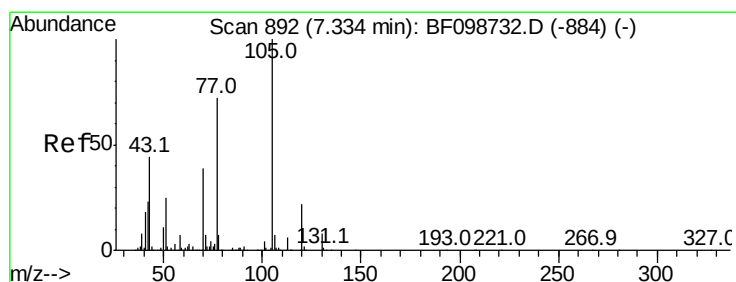
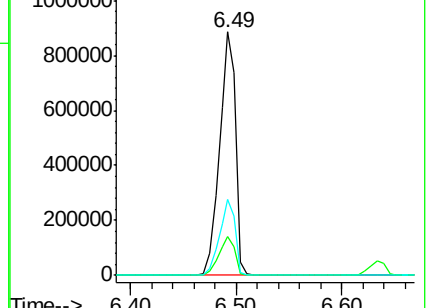
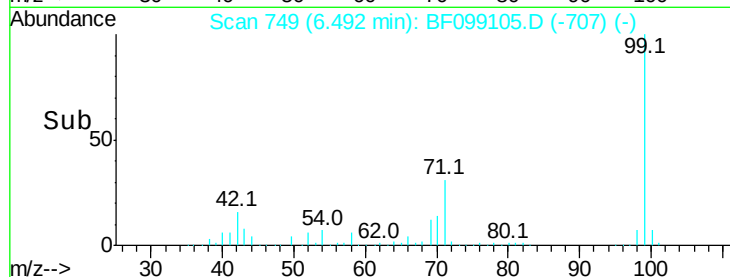
71 31.4 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.012 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.09 min

Lab File: BF099105.D

Acq: 5 Oct 2017 16:07

Tgt Ion: 70 Resp: 97003

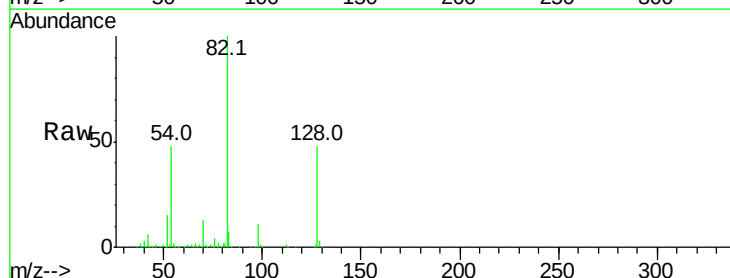
Ion Ratio Lower Upper

70 100

42 45.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

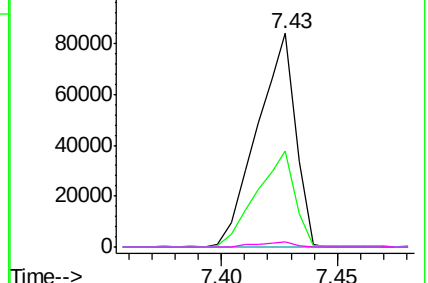
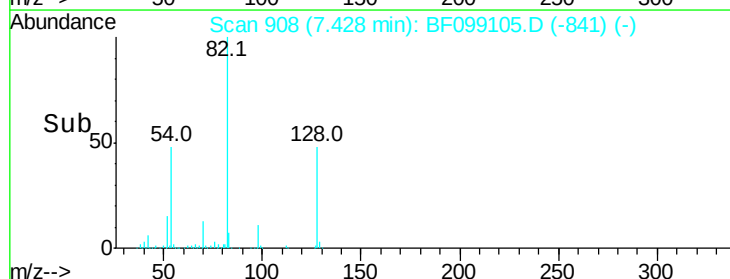


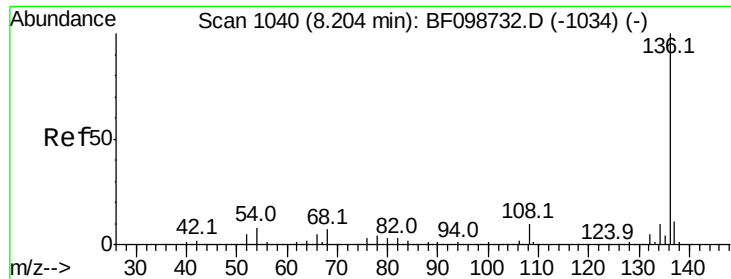
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

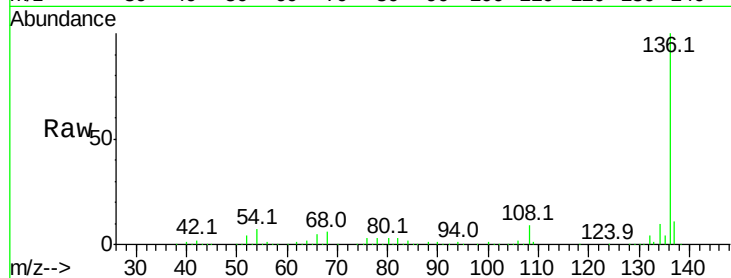




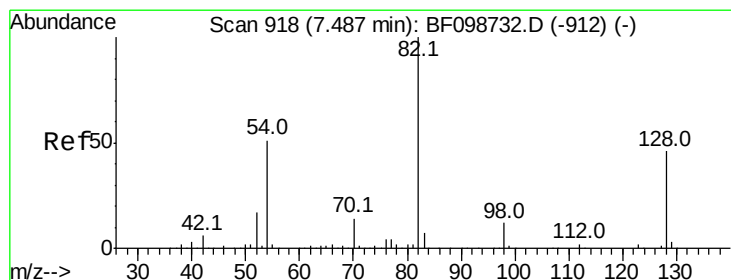
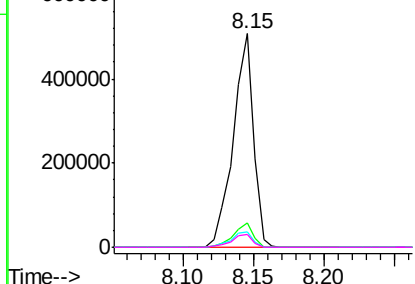
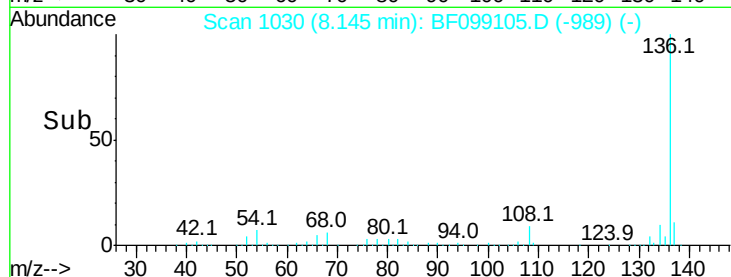
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF099105.D
Acq: 5 Oct 2017 16:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	507266	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	8.9	13.3	
54 7.5	6.6	9.8	
68 6.0	5.0	7.4	

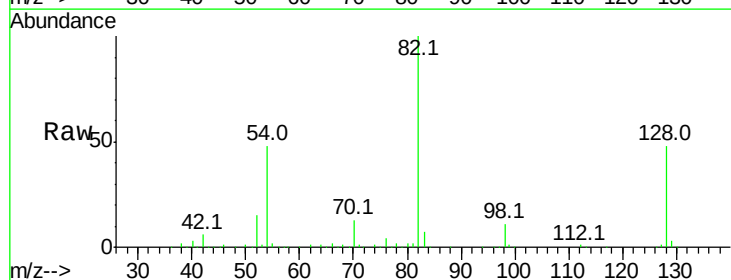


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

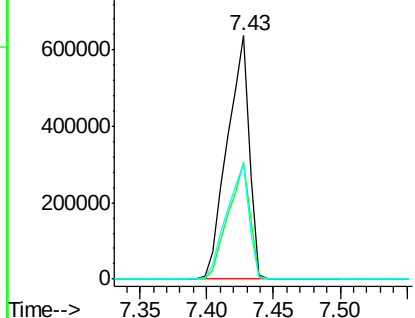
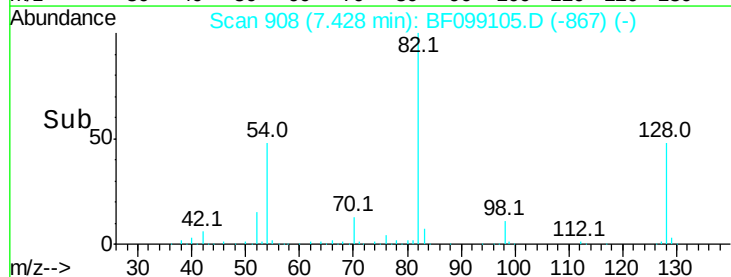


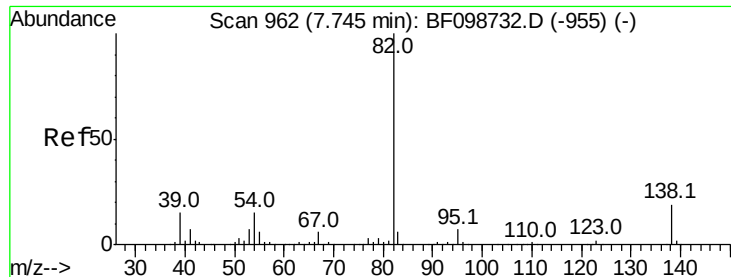
#23
Nitrobenzene-d5
Concen: 94.491 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.06 min
Lab File: BF099105.D
Acq: 5 Oct 2017 16:07

Tgt Ion: 82	Resp: 747419
Ion Ratio	Lower Upper
82 100	
128 48.1	36.1 54.1
54 47.7	41.4 62.2



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: 43.998 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.32 min

Lab File: BF099105.D

Acq: 5 Oct 2017 16:07

Instrument :

BNA_F

ClientSampleId :

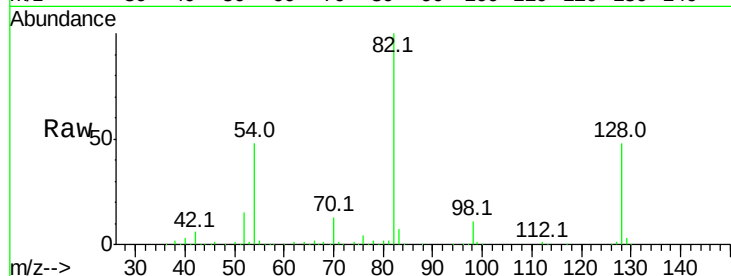
Tot Ion: 82 Resp: 719532

Ion Ratio Lower Upper

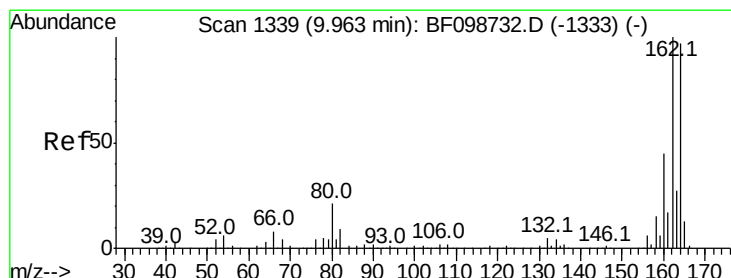
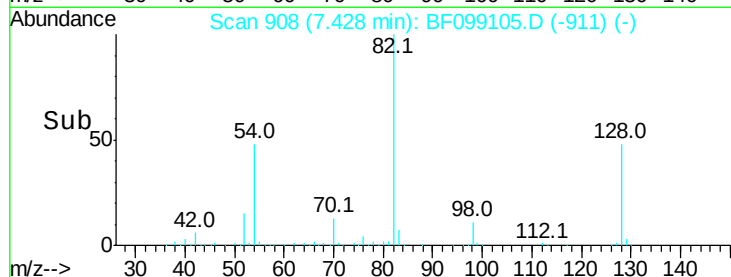
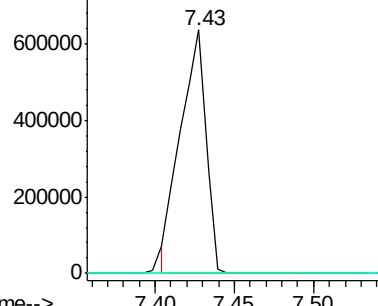
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.06 min

Lab File: BF099105.D

Acq: 5 Oct 2017 16:07

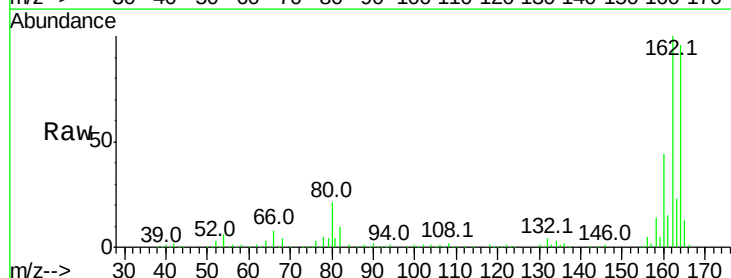
Tgt Ion:164 Resp: 227751

Ion Ratio Lower Upper

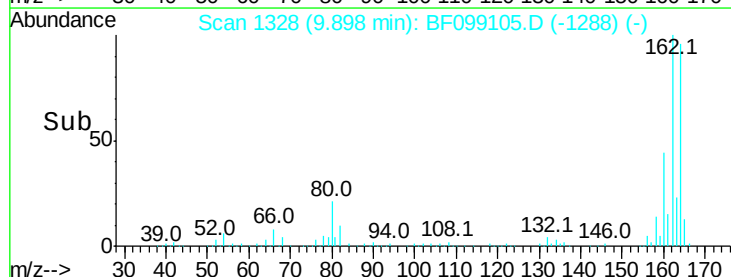
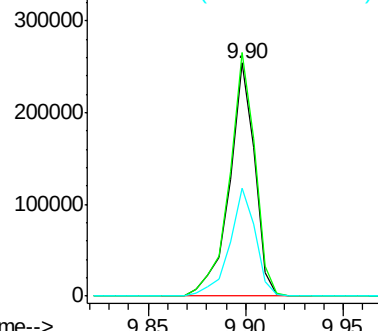
164 100

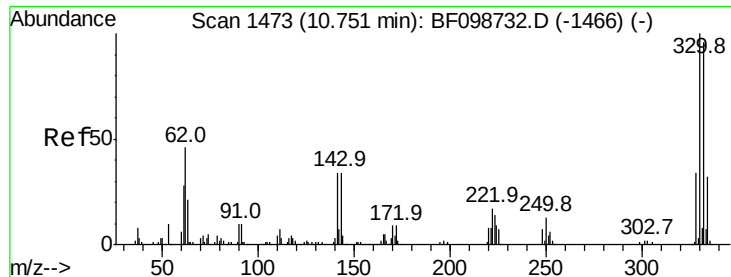
162 104.5 86.1 129.1

160 46.2 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

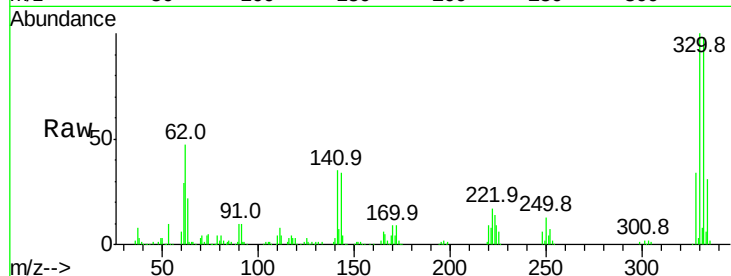




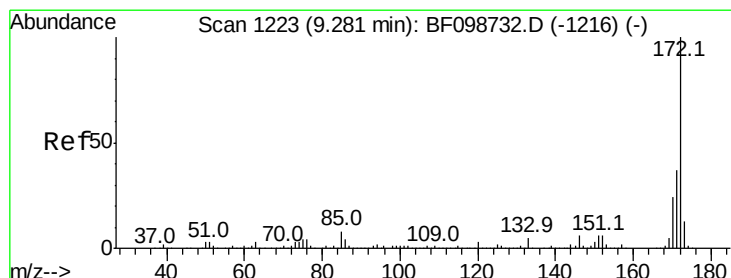
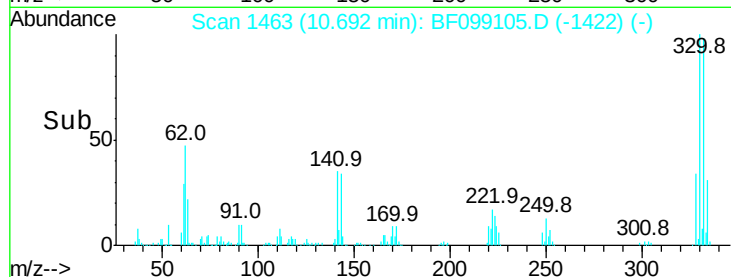
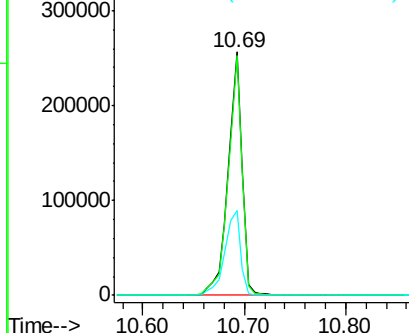
#41
 2,4,6-Tribromophenol
 Concen: 133.056 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.06 min
 Lab File: BF099105.D
 Acq: 5 Oct 2017 16:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	39.1	29.9	44.9

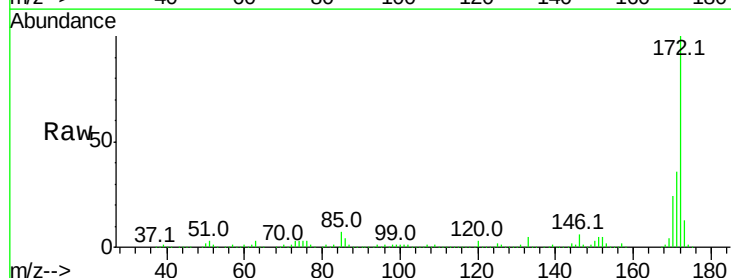


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

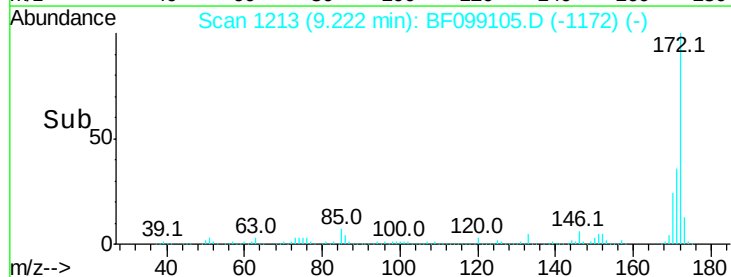
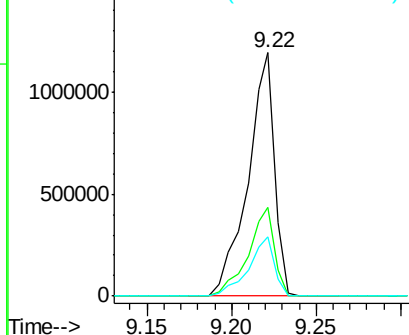


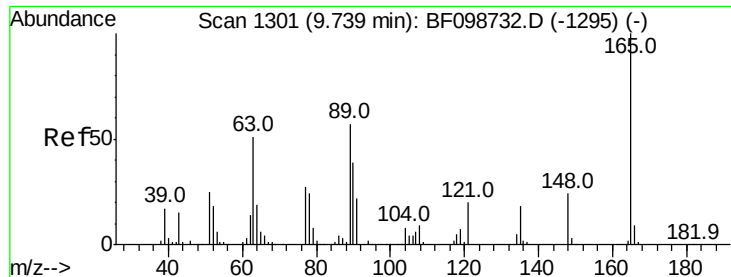
#44
 2-Fluorobiphenyl
 Concen: 96.603 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.06 min
 Lab File: BF099105.D
 Acq: 5 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	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

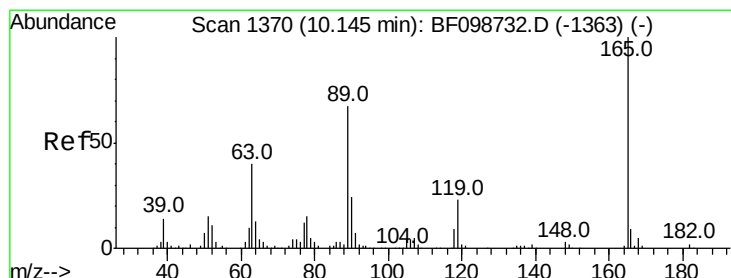
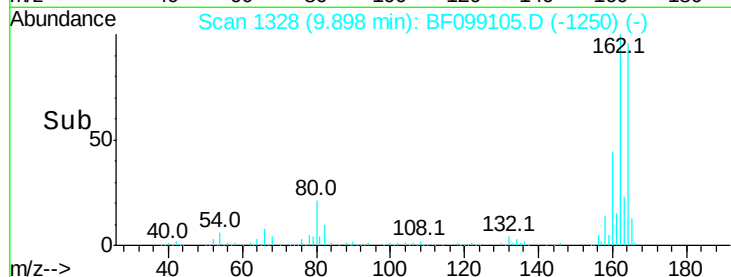
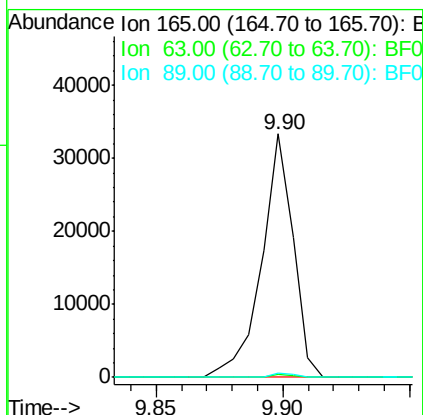
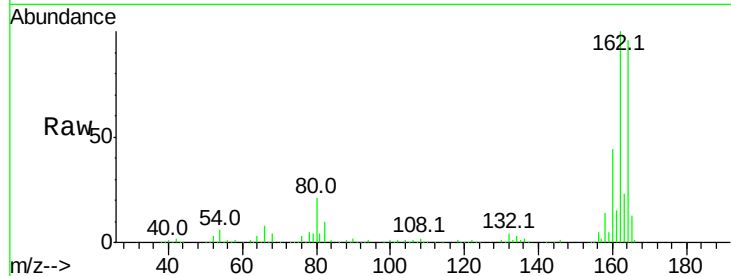




#50
 2,6-Dinitrotoluene
 Concen: 7.747 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.16 min
 Lab File: BF099105.D
 Acq: 5 Oct 2017 16:07

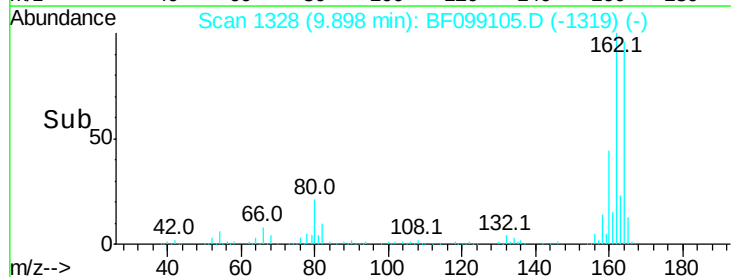
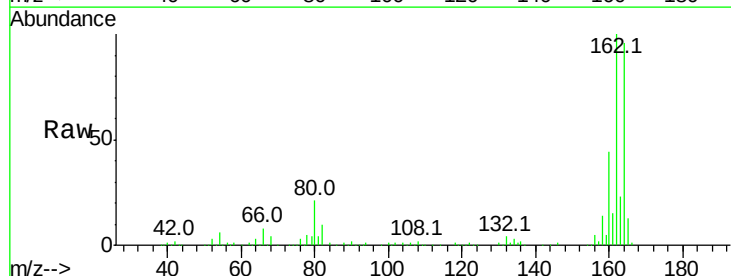
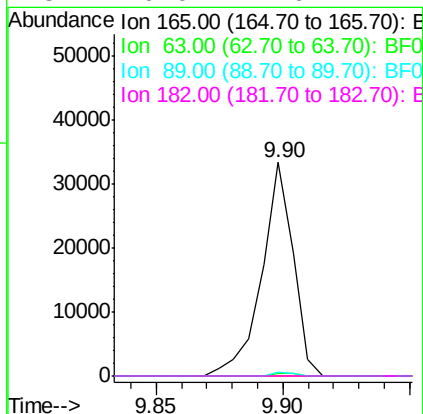
Instrument :
 BNA_F
 ClientSampleId :

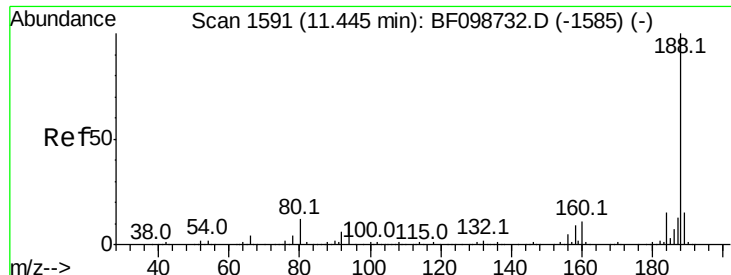
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.5	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.969 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.25 min
 Lab File: BF099105.D
 Acq: 5 Oct 2017 16:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

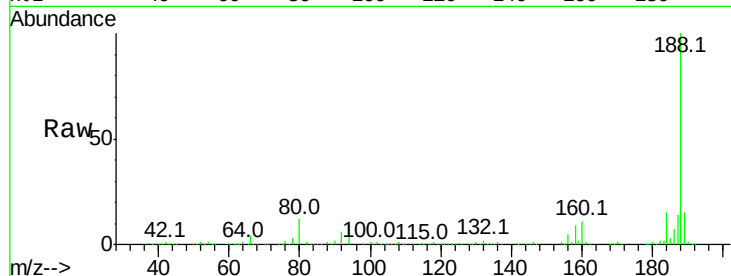




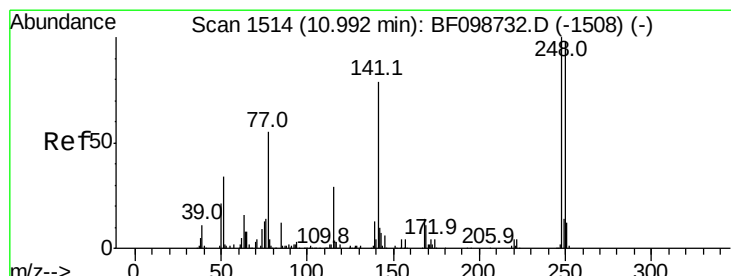
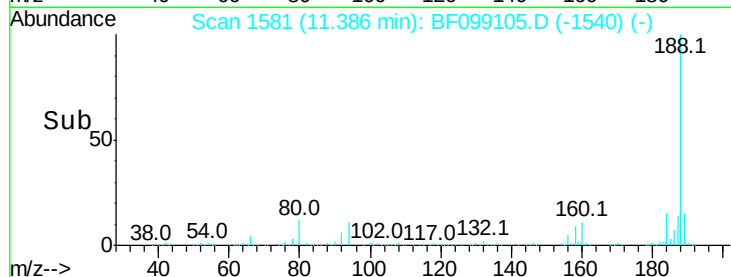
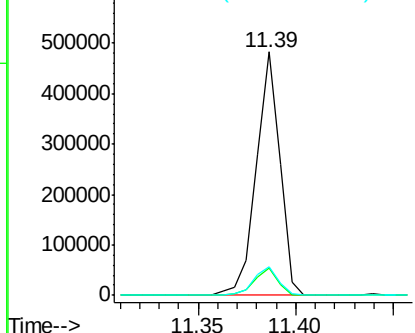
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.06 min
Lab File: BF099105.D
Acq: 5 Oct 2017 16:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 407218
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 11.9 9.2 13.8

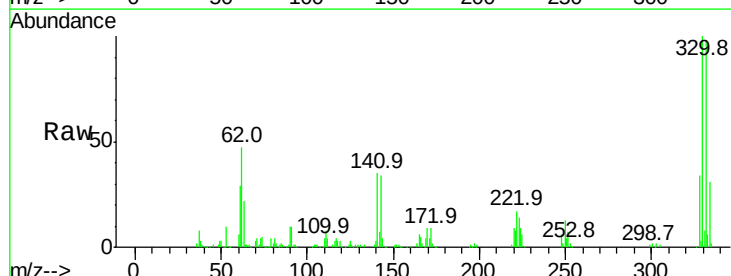


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

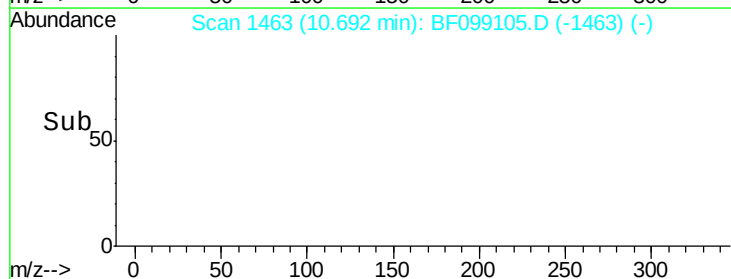
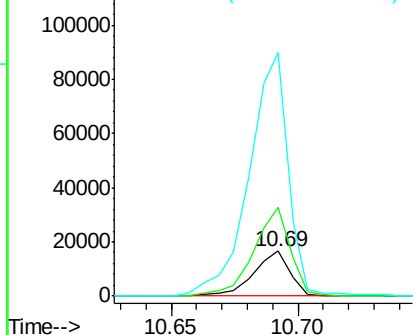


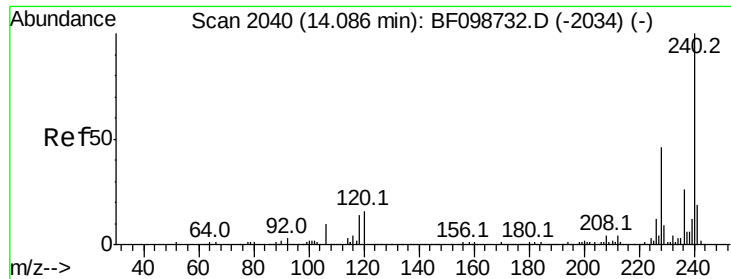
#66
4-Bromophenyl-phenylether
Concen: 4.171 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.30 min
Lab File: BF099105.D
Acq: 5 Oct 2017 16:07

Tgt Ion:248 Resp: 16627
Ion Ratio Lower Upper
248 100
250 198.3 76.9 115.3#
141 540.3 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

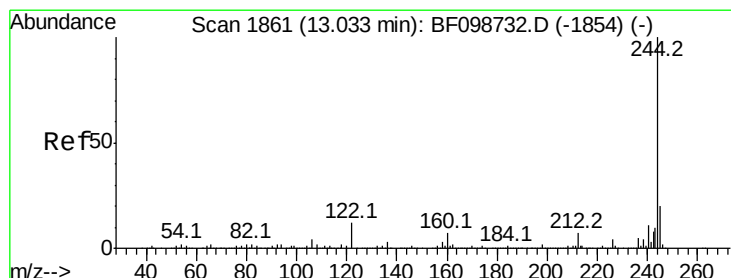
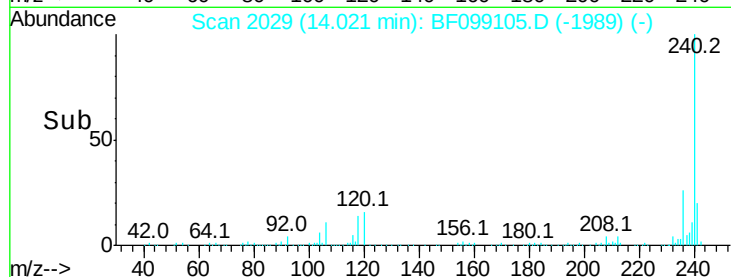
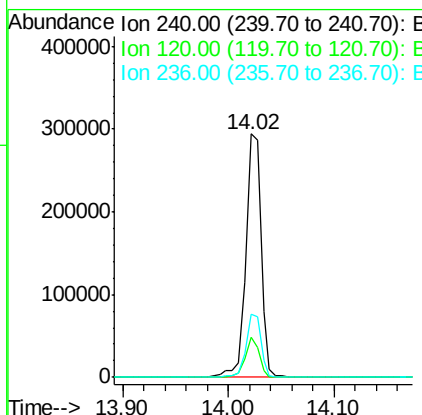
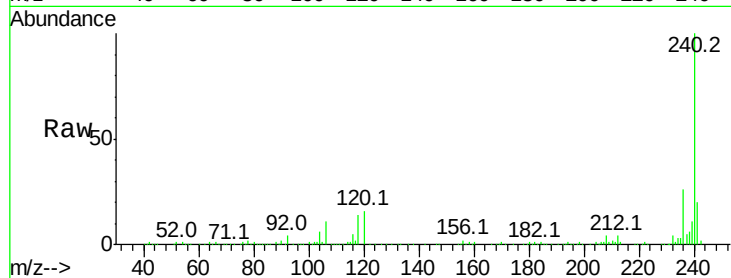




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.06 min
 Lab File: BF099105.D
 Acq: 5 Oct 2017 16:07

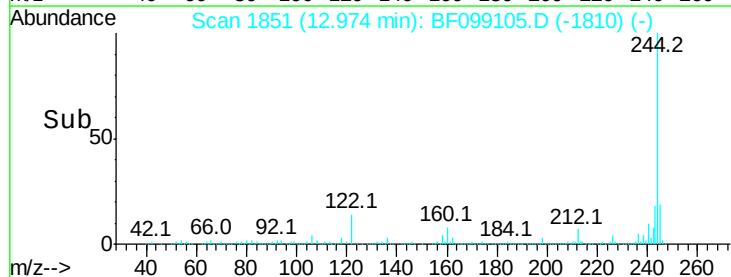
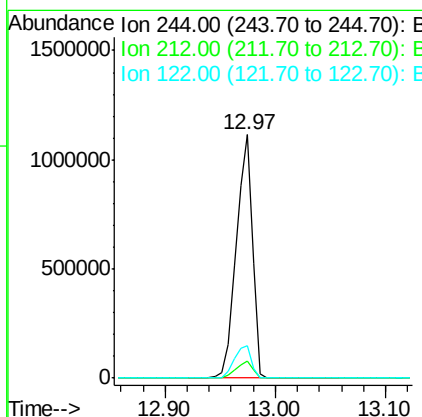
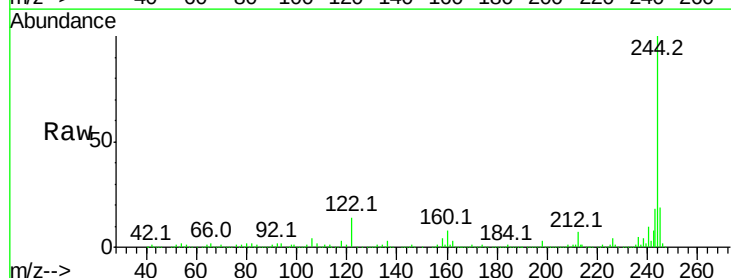
Instrument :
 BNA_F
 ClientSampleId :

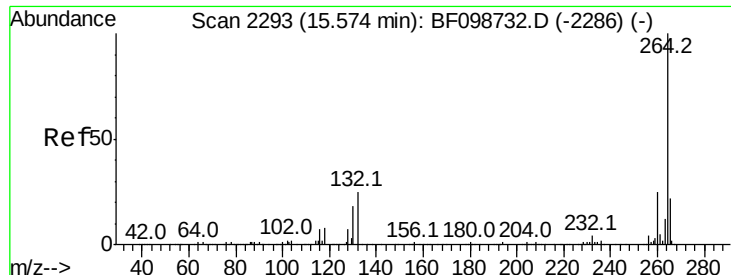
Tot Ion:240 Resp: 295089
 Ion Ratio Lower Upper
 240 100
 120 16.5 9.5 14.3#
 236 25.9 20.7 31.1



#78
 Terphenyl-d14
 Concen: 88.811 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.06 min
 Lab File: BF099105.D
 Acq: 5 Oct 2017 16:07

Tgt Ion:244 Resp: 1152367
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 13.5 11.0 16.4

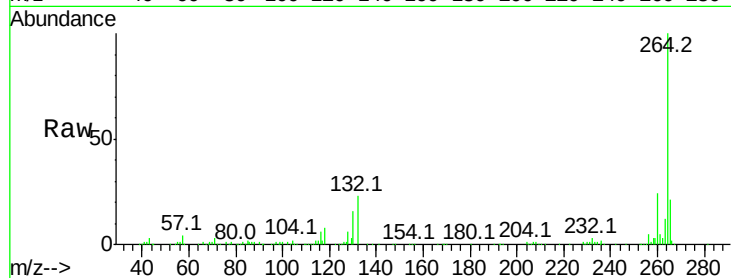




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.08 min
Lab File: BF099105.D
Acq: 5 Oct 2017 16:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	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

