

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100817\
 Data File : BF099254.D
 Acq On : 9 Oct 2017 2:06
 Operator : SJ/JU
 Sample : I5645-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 04:02:51 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

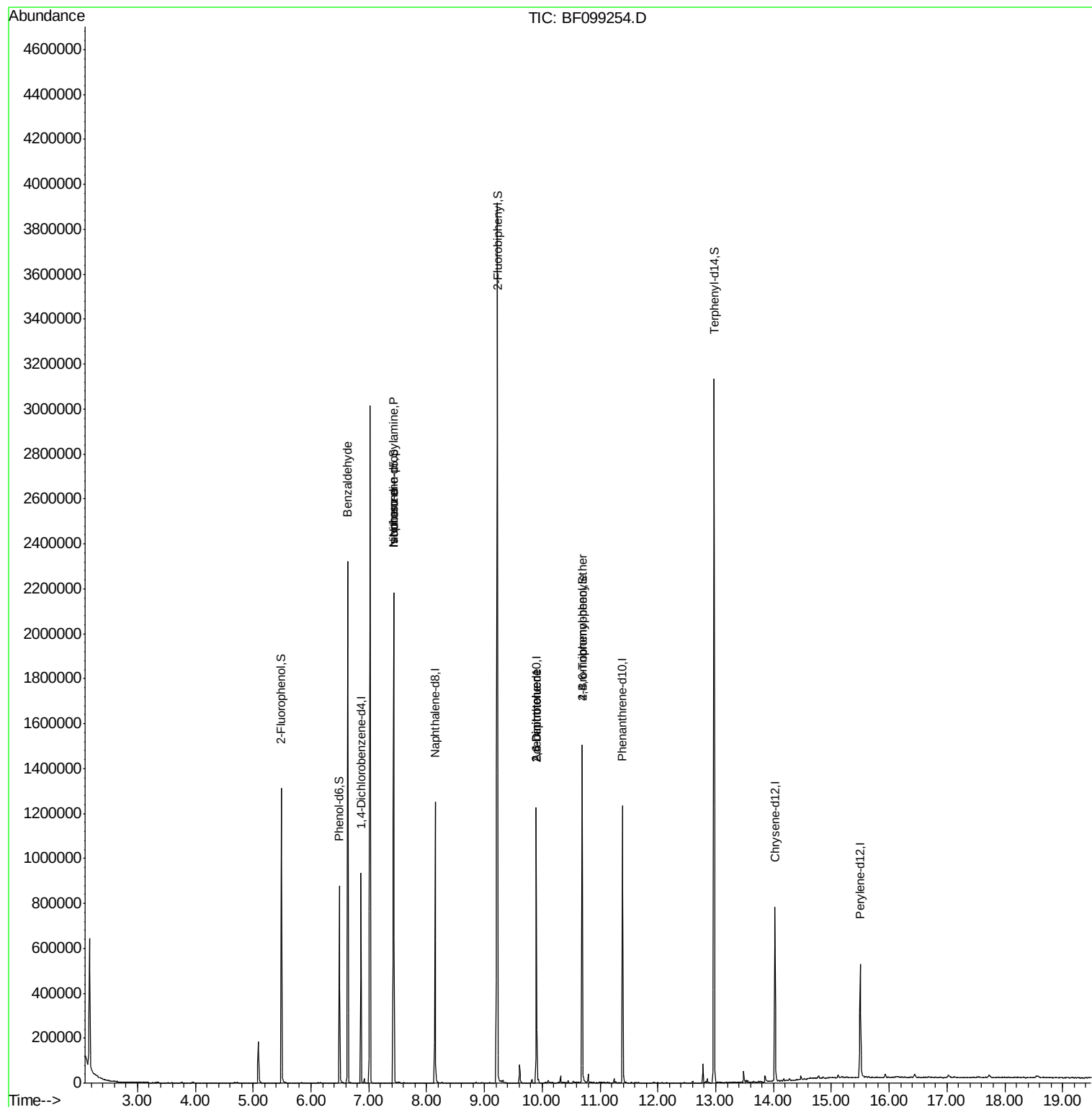
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	130670	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	540630	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	247037	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	414515	20.00	ng	0.00
75) Chrysene-d12	14.03	240	248400	20.00	ng	0.00
86) Perylene-d12	15.50	264	224983	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	375842	45.79	ng	0.00
7) Phenol-d6	6.49	99	275271	27.18	ng	0.00
23) Nitrobenzene-d5	7.43	82	808789	95.94	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	176823	87.47	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1394875	94.26	ng	0.00
78) Terphenyl-d14	12.97	244	1120770	102.61	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	12649	2.15	ng	82
19) n-Nitroso-di-n-propylamine	7.43	70	103493	16.01	ng	# 73
25) Isophorone	7.43	82	808784	46.40	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	30994	7.64	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	30994	5.88	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	11589	2.86	ng	# 1

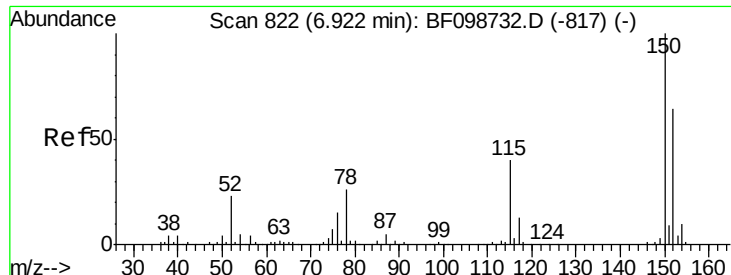
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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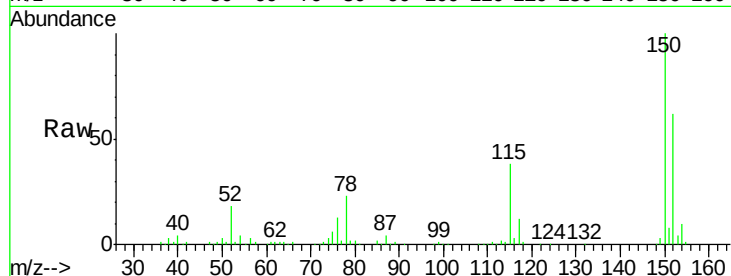


#1

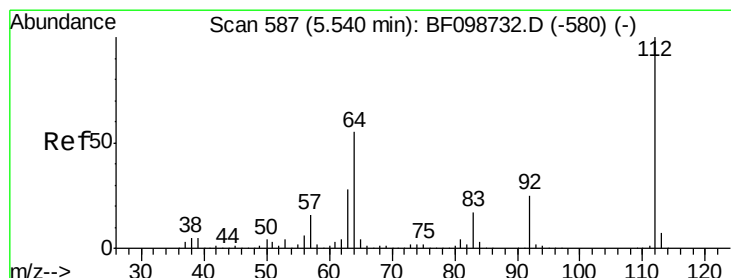
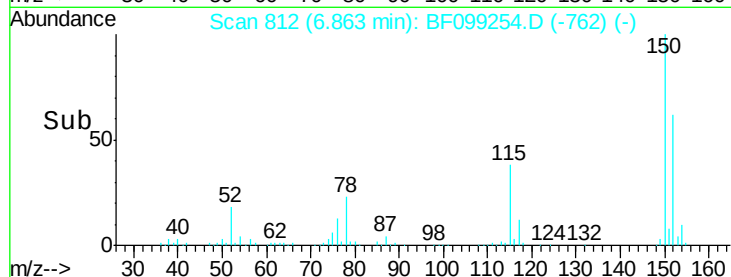
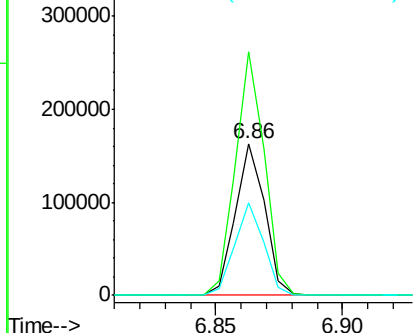
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099254.D
Acq: 9 Oct 2017 2:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 130670
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 61.3 50.1 75.1



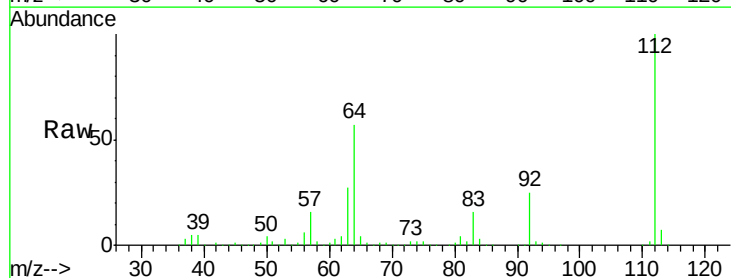
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



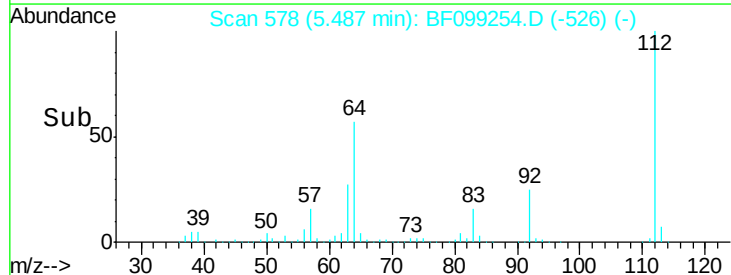
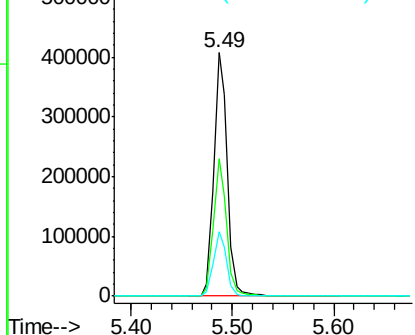
#5

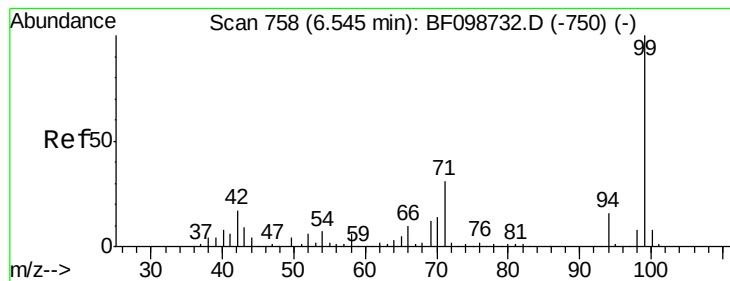
2-Fluorophenol
Concen: 45.79 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF099254.D
Acq: 9 Oct 2017 2:06

Tgt Ion:112 Resp: 375842
Ion Ratio Lower Upper
112 100
64 56.7 47.9 71.9
63 26.6 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: 27.18 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099254.D

Acq: 9 Oct 2017 2:06

Instrument :

BNA_F

ClientSampleId :

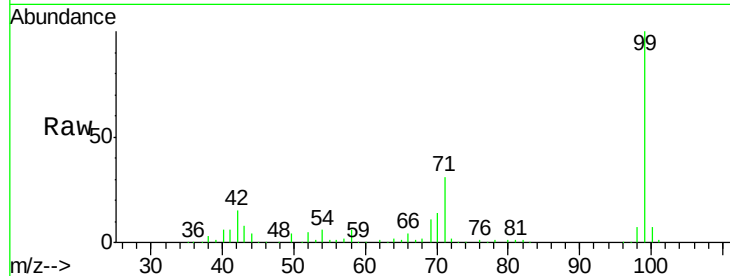
Tot Ion: 99 Resp: 275271

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

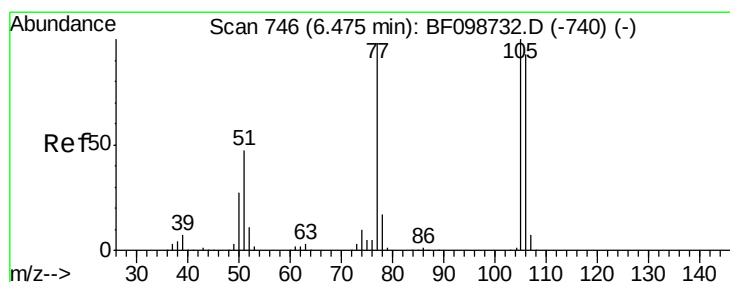
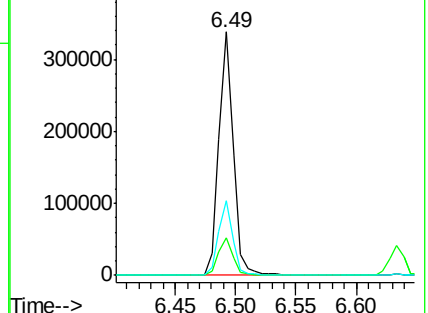
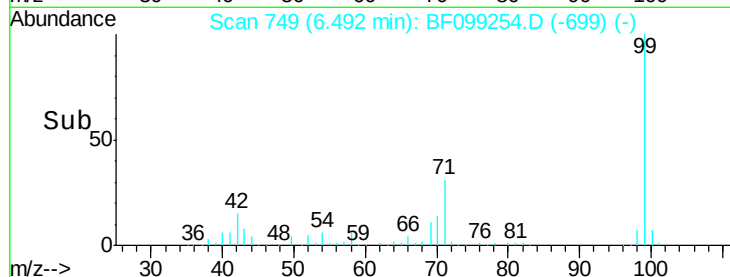
71 30.6 25.4 38.0



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: 2.15 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.21 min

Lab File: BF099254.D

Acq: 9 Oct 2017 2:06

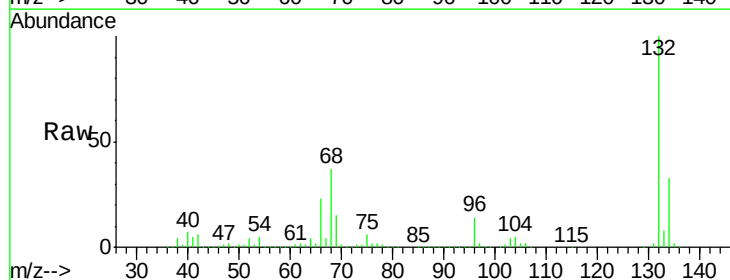
Tgt Ion: 77 Resp: 12649

Ion Ratio Lower Upper

77 100

105 84.7 81.1 121.1

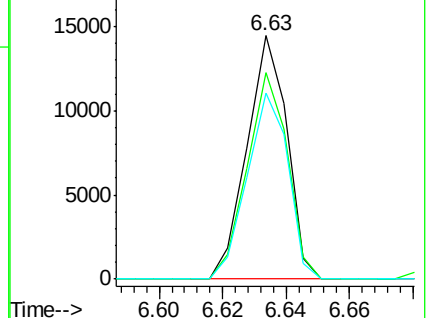
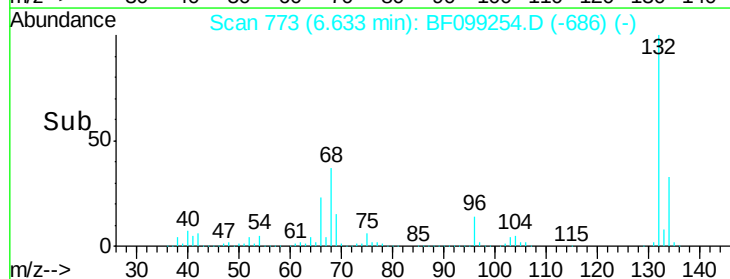
106 76.3 74.5 114.5

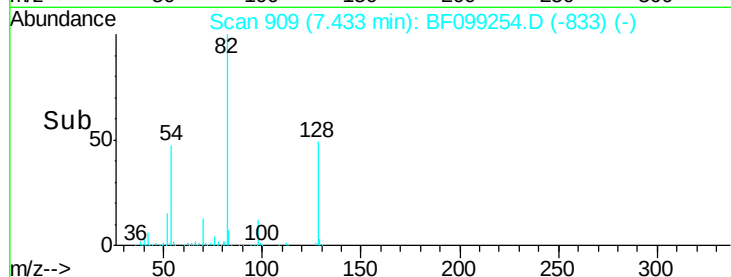
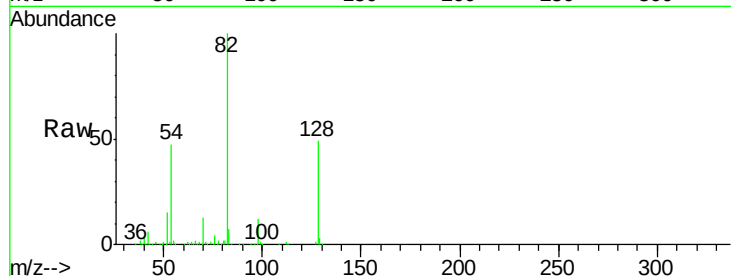
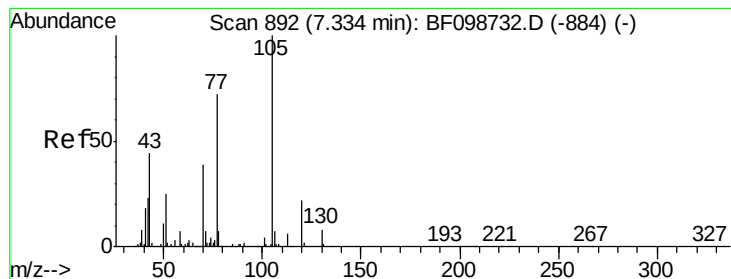


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 16.01 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF099254.D

Acq: 9 Oct 2017 2:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 103493

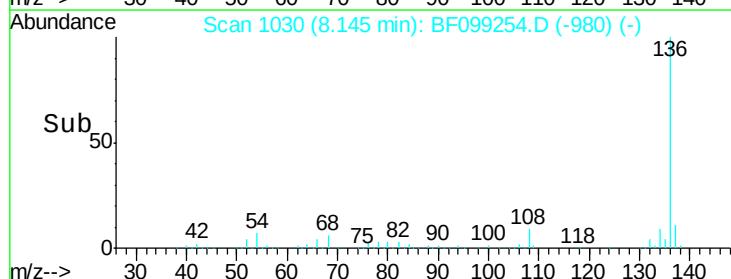
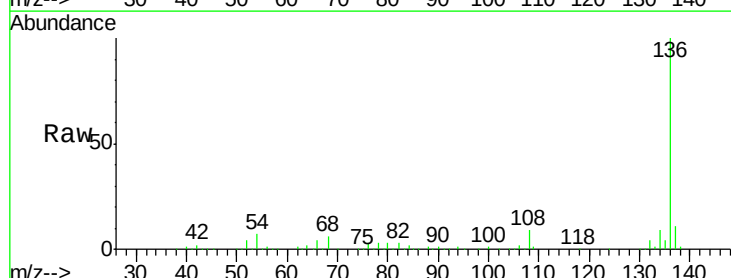
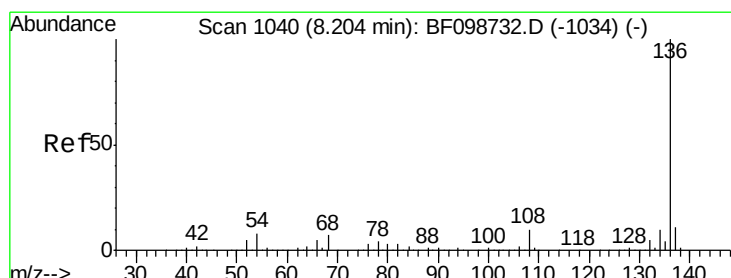
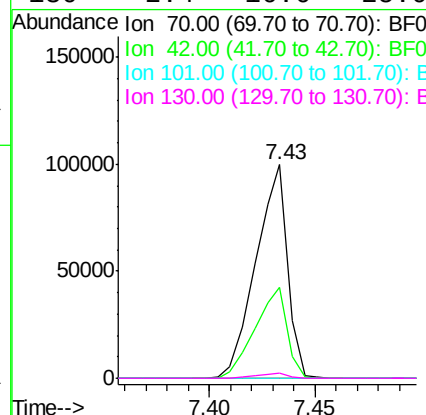
Ion Ratio Lower Upper

70 100

42 42.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099254.D

Acq: 9 Oct 2017 2:06

Tgt Ion: 136 Resp: 540630

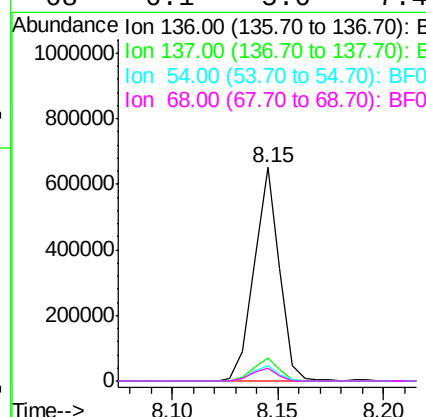
Ion Ratio Lower Upper

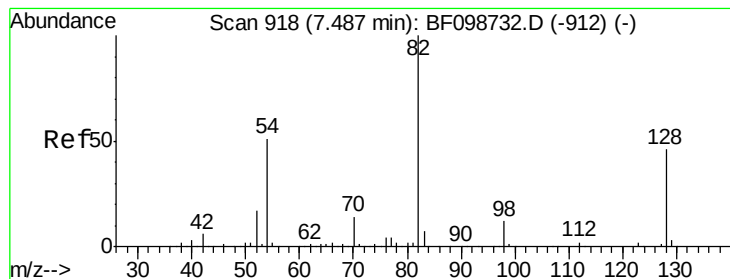
136 100

137 10.9 8.9 13.3

54 7.2 6.6 9.8

68 6.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 95.94 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: BF099254.D

Acq: 9 Oct 2017 2:06

Instrument :

BNA_F

ClientSampleId :

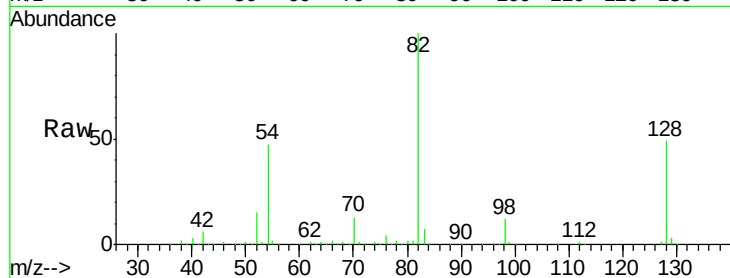
Tot Ion: 82 Resp: 808789

Ion Ratio Lower Upper

82 100

128 49.2 36.1 54.1

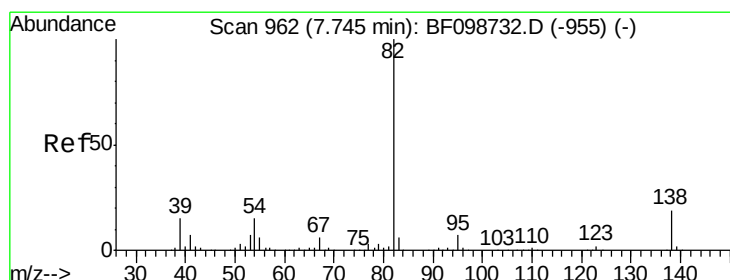
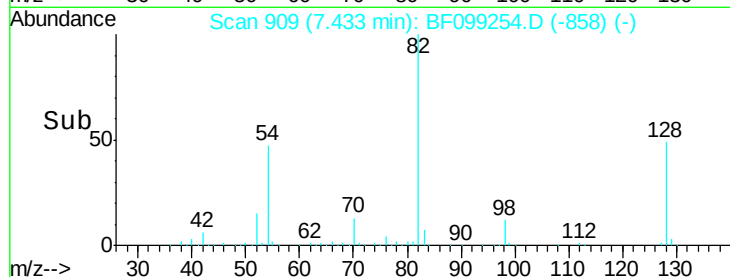
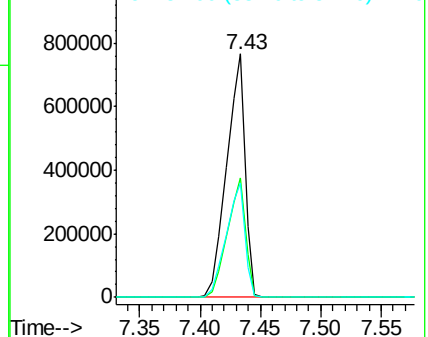
54 46.8 41.4 62.2



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: 46.40 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF099254.D

Acq: 9 Oct 2017 2:06

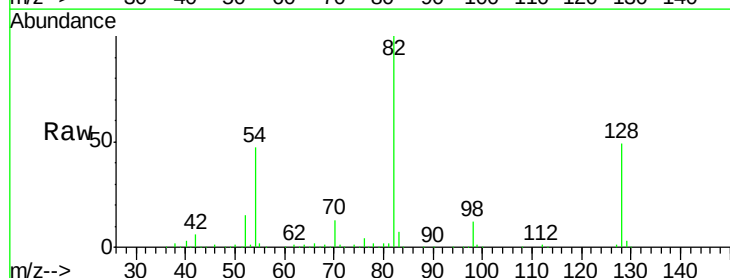
Tgt Ion: 82 Resp: 808784

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

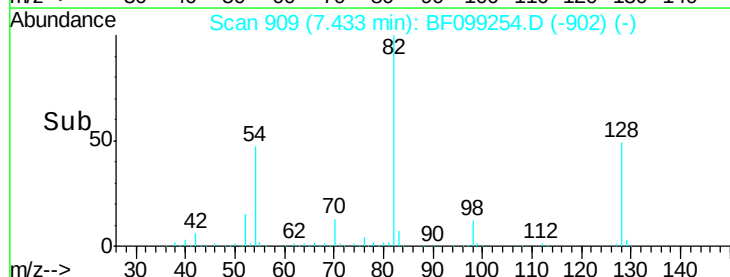
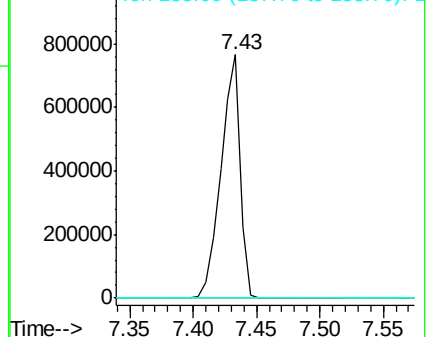
138 0.0 14.9 22.3#

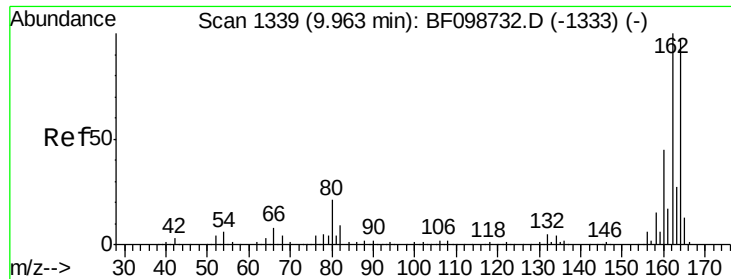


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

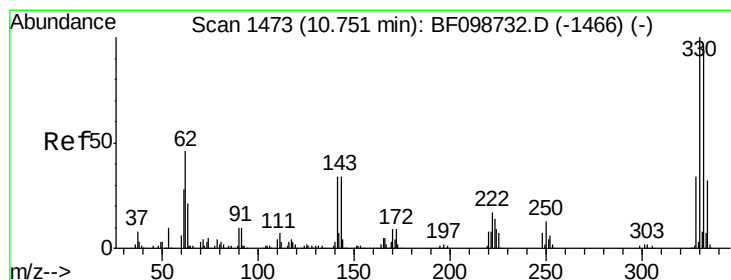
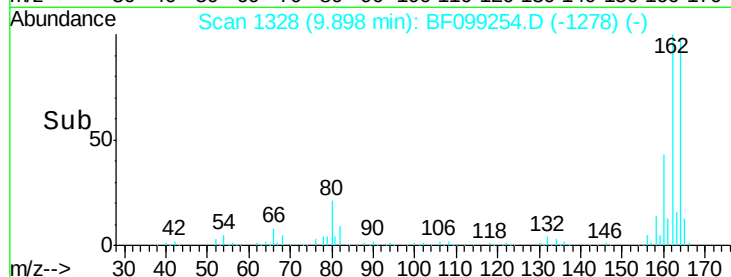
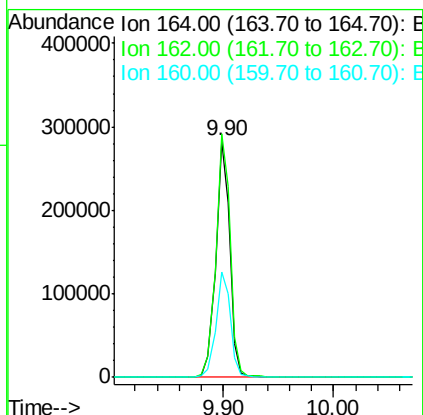
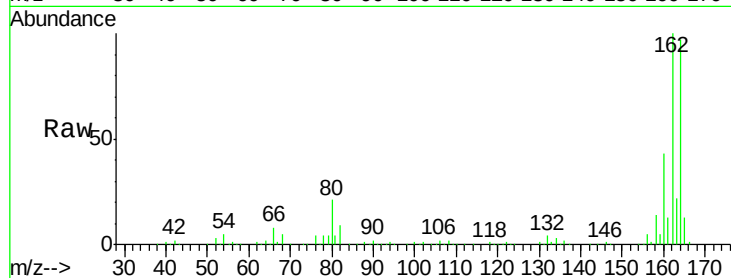




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099254.D
 Acq: 9 Oct 2017 2:06

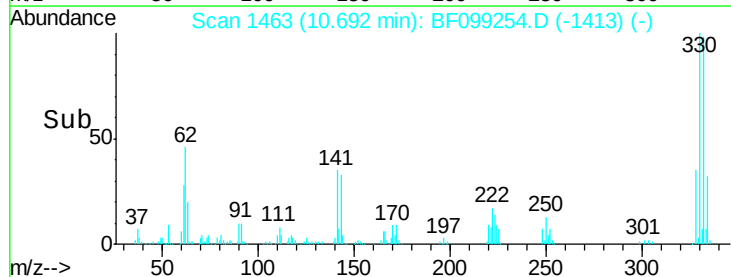
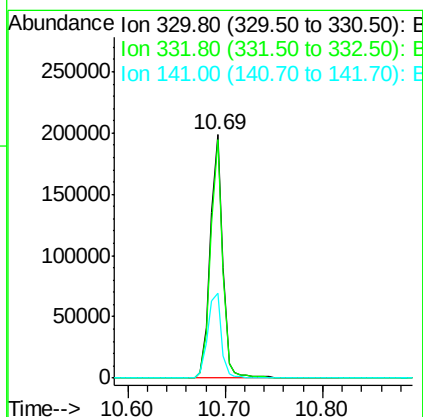
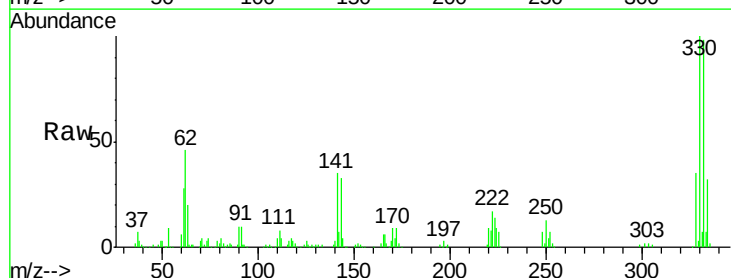
Instrument :
 BNA_F
 ClientSampleId :

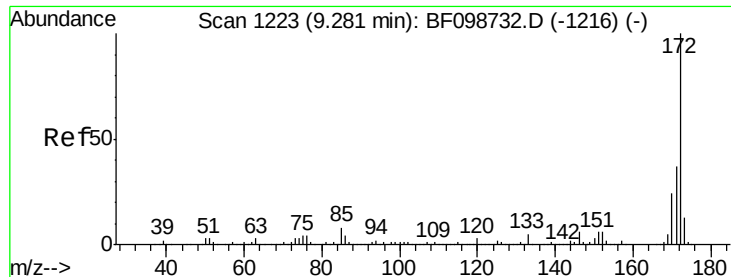
Tot Ion:164 Resp: 247037
 Ion Ratio Lower Upper
 164 100
 162 103.0 86.1 129.1
 160 44.4 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 87.47 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099254.D
 Acq: 9 Oct 2017 2:06

Tgt Ion:330 Resp: 176823
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.0 115.6
 141 38.7 29.9 44.9



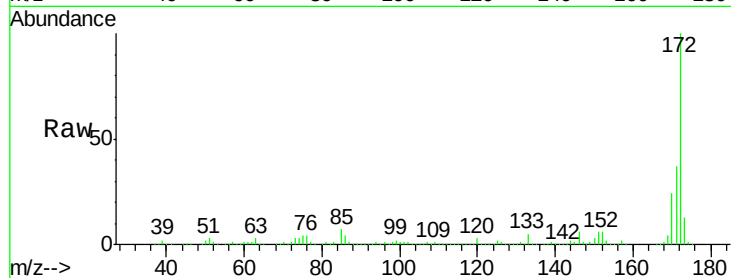


#44
 2-Fluorobiphenyl
 Concen: 94.26 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099254.D
 Acq: 9 Oct 2017 2:06

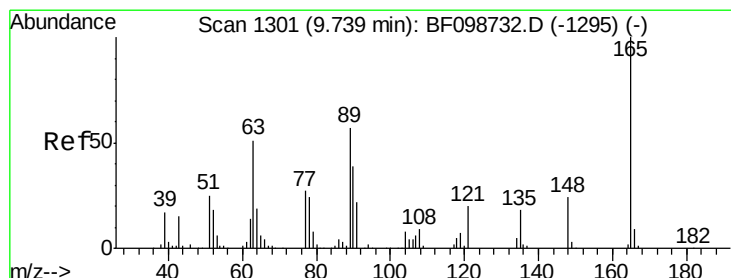
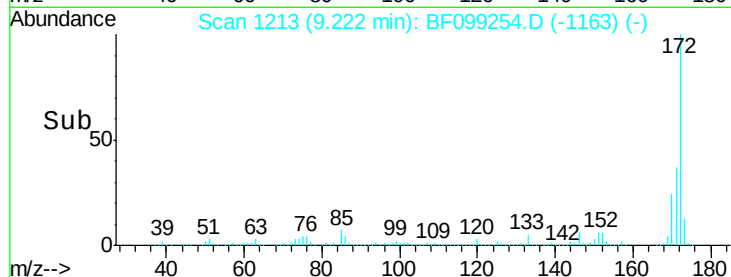
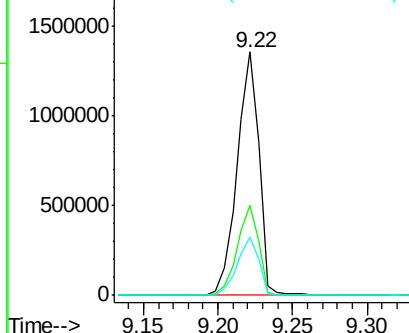
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1394875

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	23.9	19.6	29.4



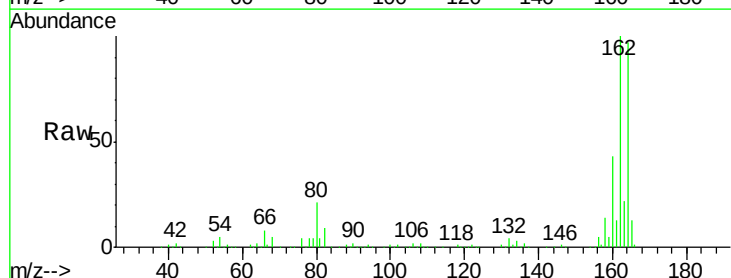
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



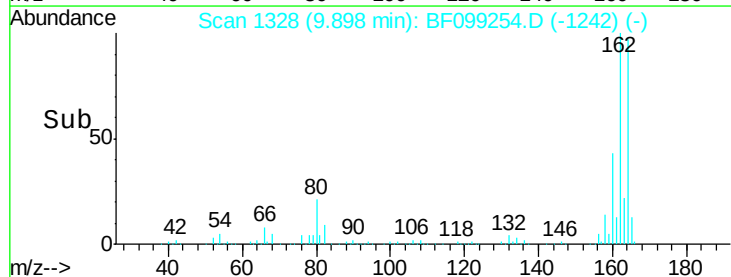
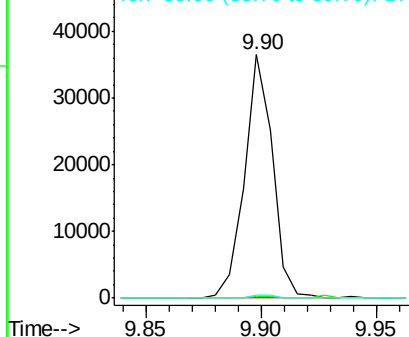
#50
 2,6-Dinitrotoluene
 Concen: 7.64 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099254.D
 Acq: 9 Oct 2017 2:06

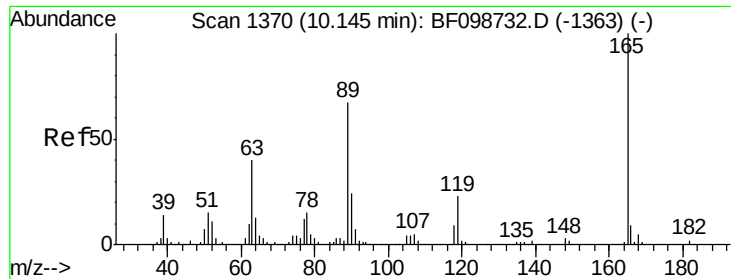
Tgt Ion:165 Resp: 30994

Ion	Ratio	Lower	Upper
165	100		
63	0.9	44.7	67.1#
89	1.2	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

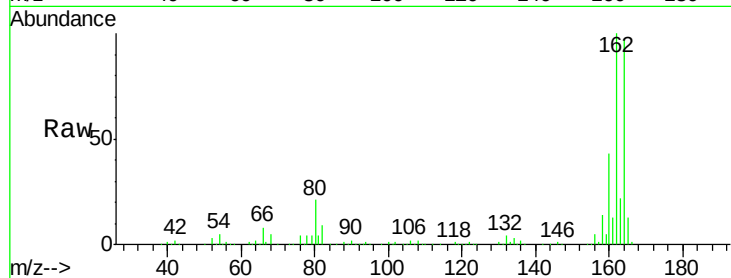




#56
 2,4-Dinitrotoluene
 Concen: 5.88 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099254.D
 Acq: 9 Oct 2017 2:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	30994
Ion Ratio	Lower	Upper
165	100	
63	0.9	36.4 54.6#
89	1.2	57.8 86.6#
182	0.0	1.6 2.4#

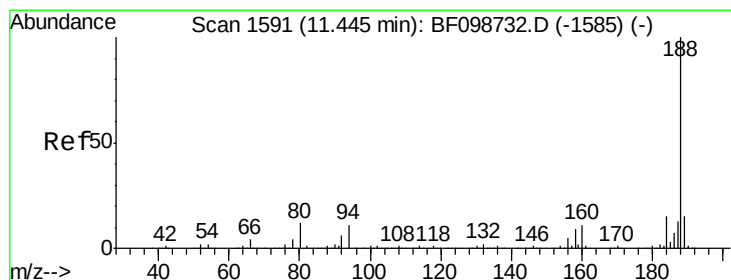
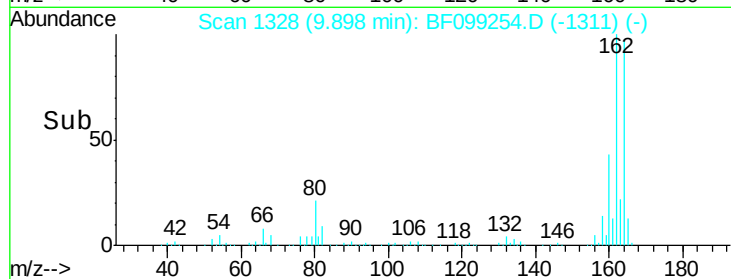
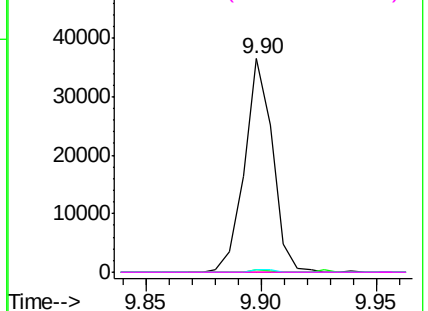


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

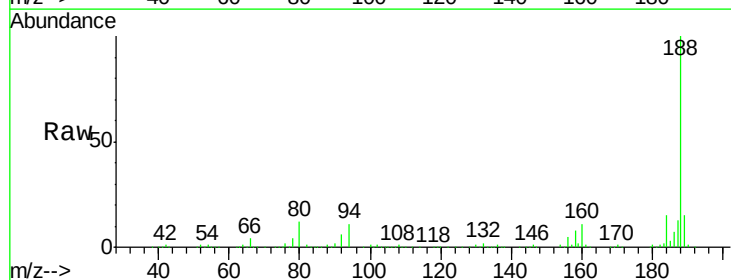
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099254.D
 Acq: 9 Oct 2017 2:06

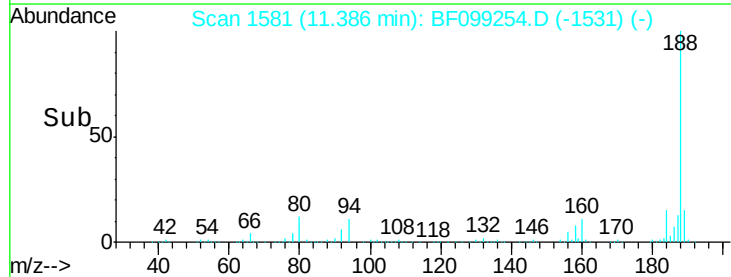
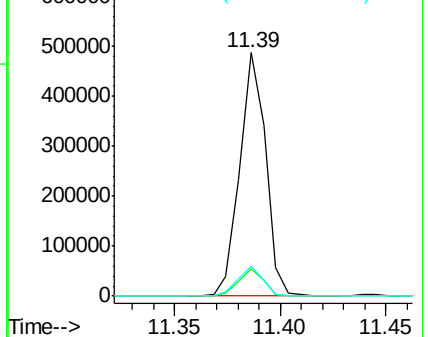
Tgt Ion:188	Resp:	414515
Ion Ratio	Lower	Upper
188	100	
94	11.0	8.5 12.7
80	12.1	9.2 13.8

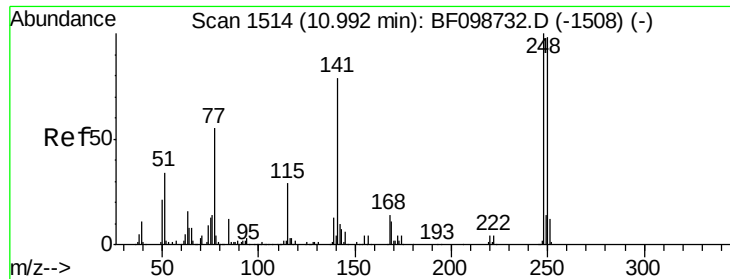


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

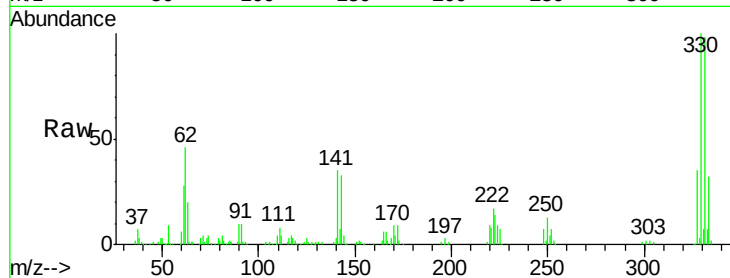




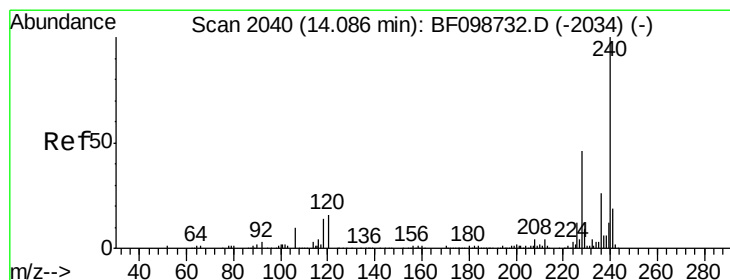
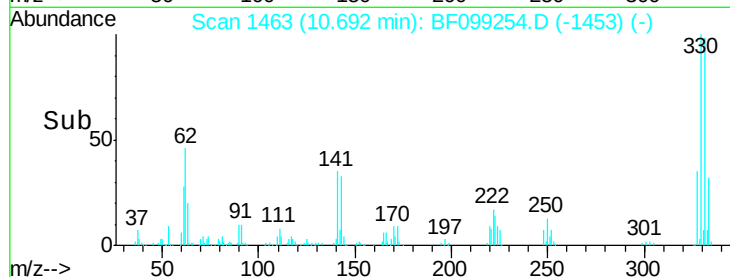
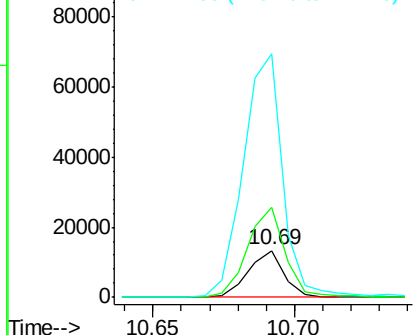
#66
 4-Bromophenyl-phenylether
 Concen: 2.86 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099254.D
 Acq: 9 Oct 2017 2:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11589
 Ion Ratio Lower Upper
 248 100
 250 194.4 76.9 115.3#
 141 522.8 74.4 111.6#

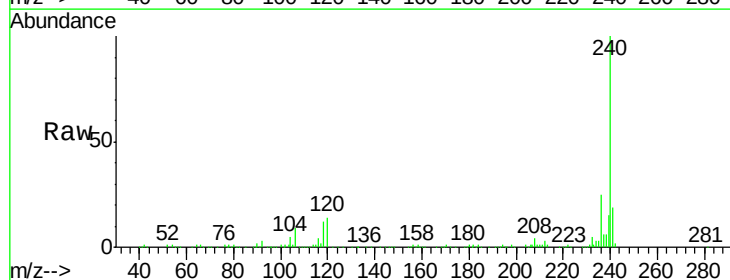


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

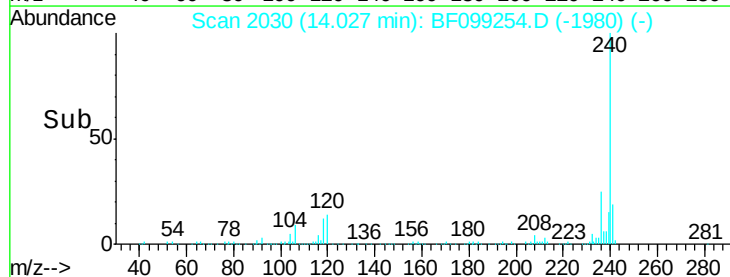
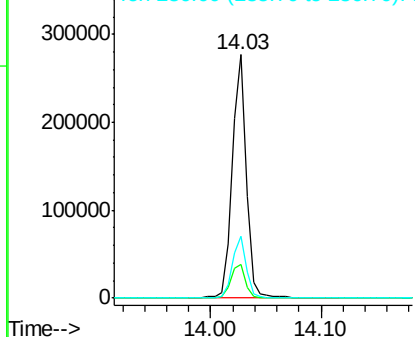


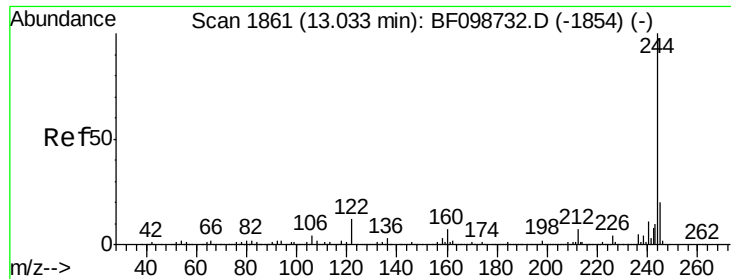
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF099254.D
 Acq: 9 Oct 2017 2:06

Tgt Ion:240 Resp: 248400
 Ion Ratio Lower Upper
 240 100
 120 13.8 9.5 14.3
 236 25.2 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



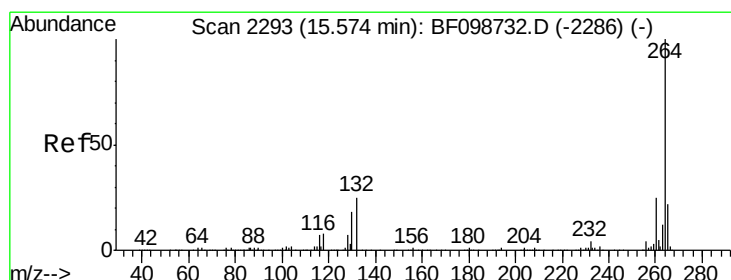
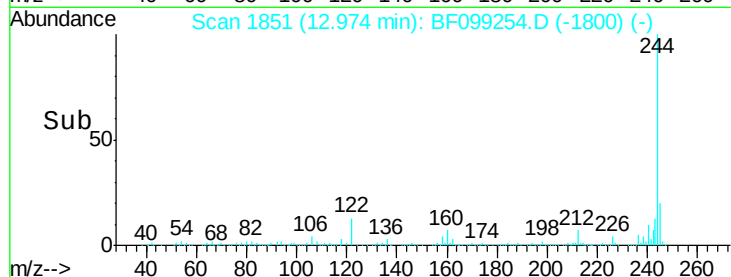
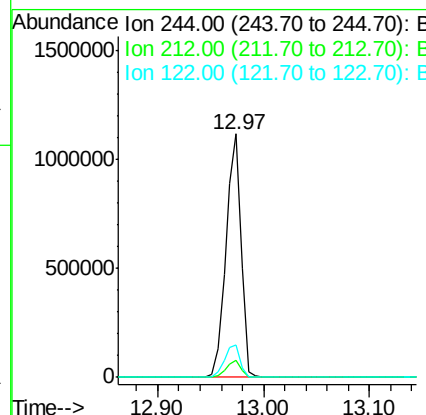
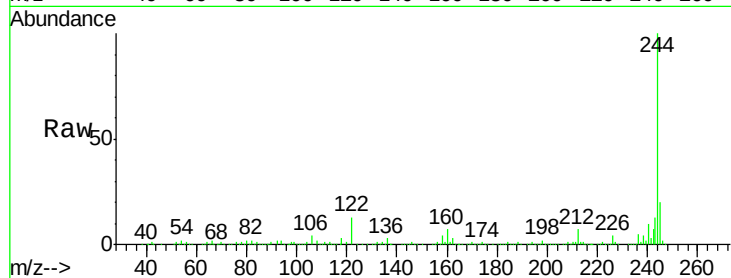


#78
 Terphenyl-d14
 Concen: 102.61 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: BF099254.D
 Acq: 9 Oct 2017 2:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1120770

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.3	11.0	16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: BF099254.D
 Acq: 9 Oct 2017 2:06

Tgt Ion:264 Resp: 224983

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	20.2	17.5	26.3

