

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099986.D
 Acq On : 31 Oct 2017 3:45
 Operator : SJ/JU
 Sample : I6083-12
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 04:31:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

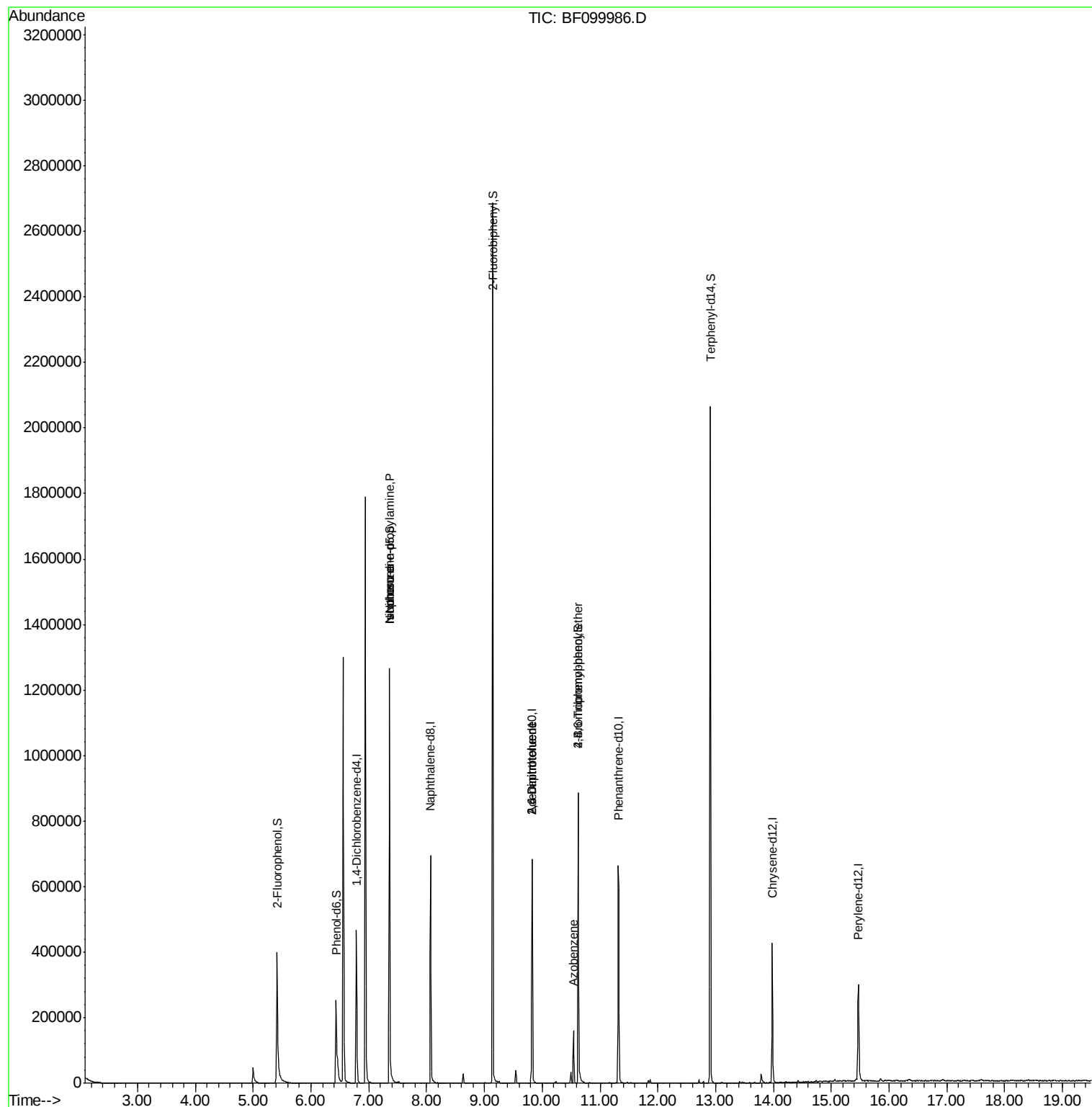
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	79440	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	325064	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	148284	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	257820	20.00	ng	-0.02
75) Chrysene-d12	13.98	240	170293	20.00	ng	-0.01
86) Perylene-d12	15.47	264	148669	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	211842	41.87	ng	0.00
7) Phenol-d6	6.43	99	156332	26.06	ng	0.00
23) Nitrobenzene-d5	7.36	82	436657	86.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	116986	86.57	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	868230	90.34	ng	-0.01
78) Terphenyl-d14	12.91	244	780537	100.17	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	53648	15.258	ng	# 71
25) Isophorone	7.36	82	436657	47.660	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	18617	7.541	ng	# 24
56) 2,4-Dinitrotoluene	9.82	165	18617	6.262	ng	# 21
62) Azobenzene	10.54	77	26079	2.713	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	7343	2.705	ng	# 1

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

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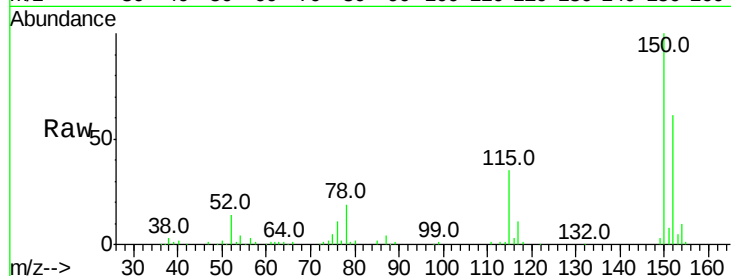


#1

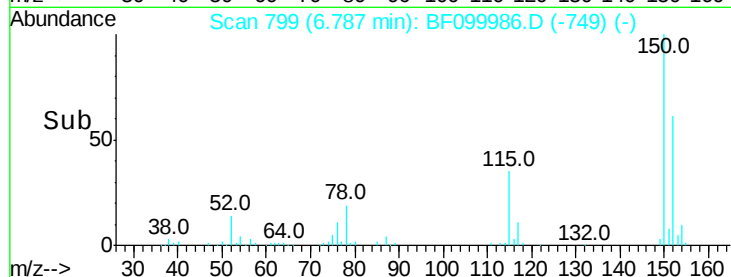
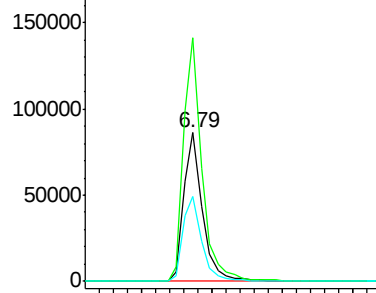
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099986.D
Acq: 31 Oct 2017 3:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79440
Ion Ratio Lower Upper
152 100
150 163.6 124.6 186.8
115 57.4 50.1 75.1



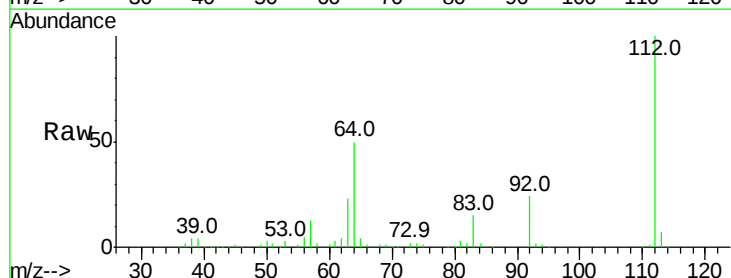
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



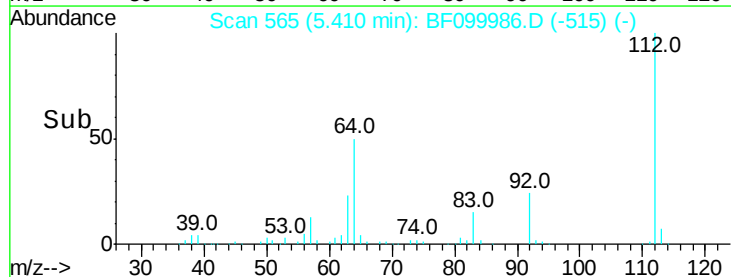
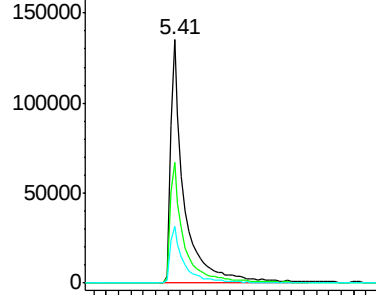
#5

2-Fluorophenol
Concen: 41.866 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF099986.D
Acq: 31 Oct 2017 3:45

Tgt Ion:112 Resp: 211842
Ion Ratio Lower Upper
112 100
64 49.6 47.9 71.9
63 23.4 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: 26.057 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099986.D

Acq: 31 Oct 2017 3:45

Instrument :

BNA_F

ClientSampled :

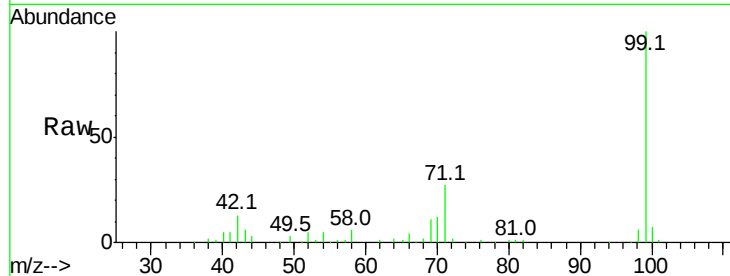
Tot Ion: 99 Resp: 156332

Ion Ratio Lower Upper

99 100

42 12.6 14.5 21.7#

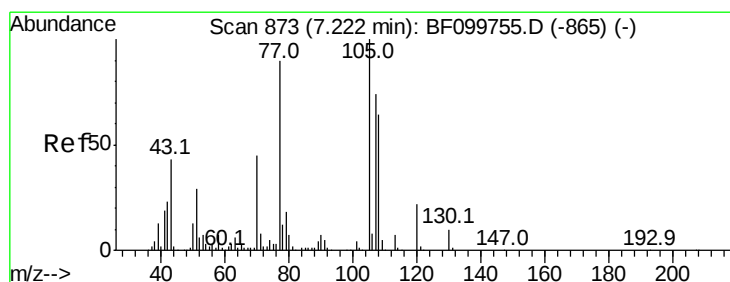
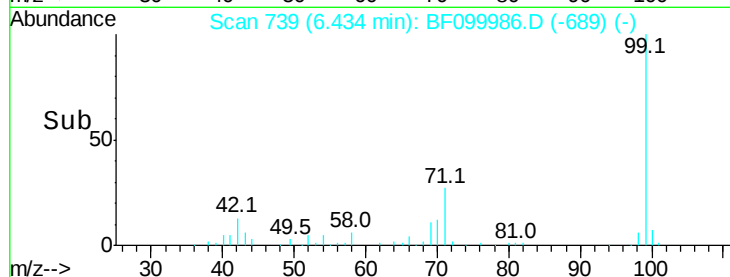
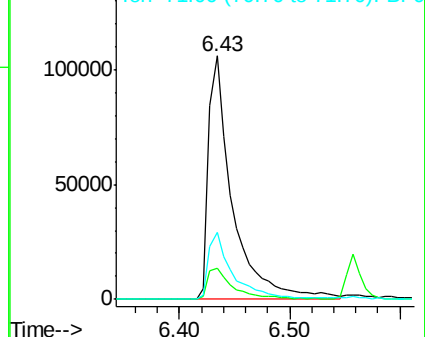
71 27.5 25.4 38.0



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: 15.258 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099986.D

Acq: 31 Oct 2017 3:45

Tgt Ion: 70 Resp: 53648

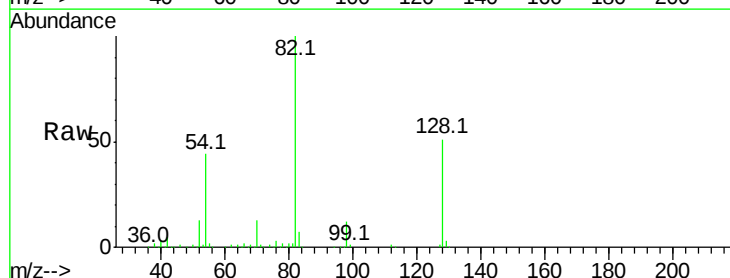
Ion Ratio Lower Upper

70 100

42 39.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

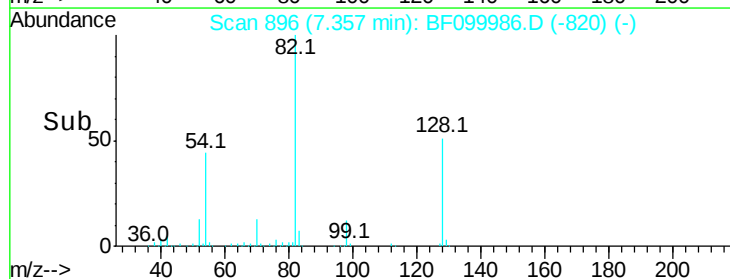
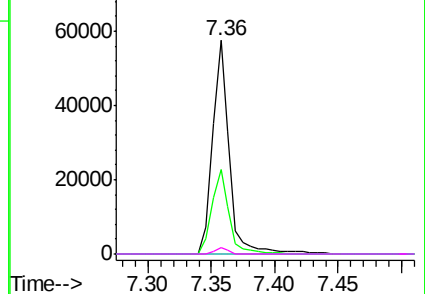


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

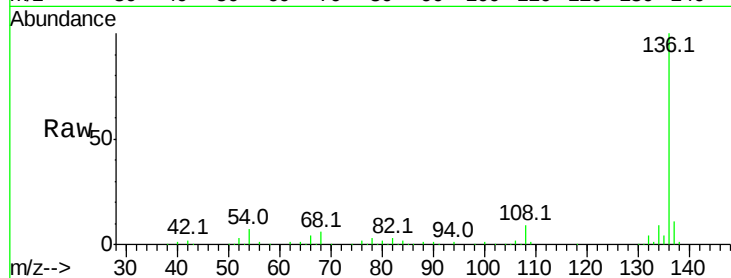




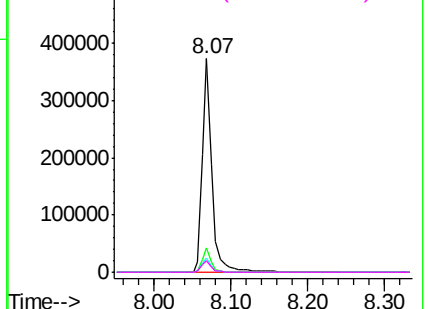
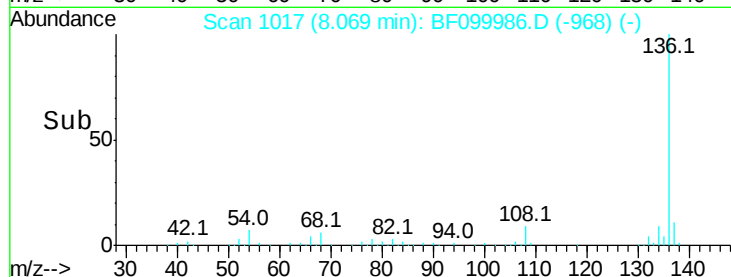
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099986.D
Acq: 31 Oct 2017 3:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	325064
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.7	6.6	9.8
68	5.7	5.0	7.4

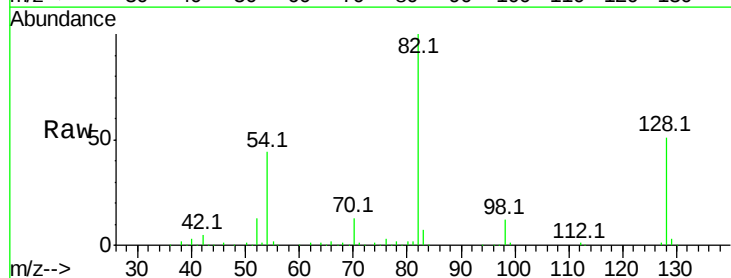


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

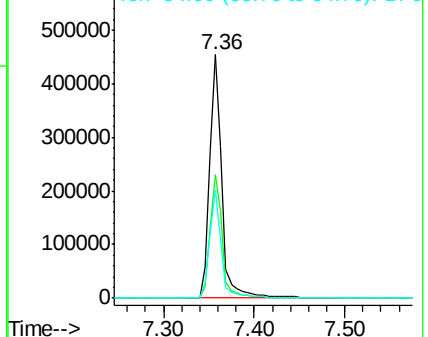
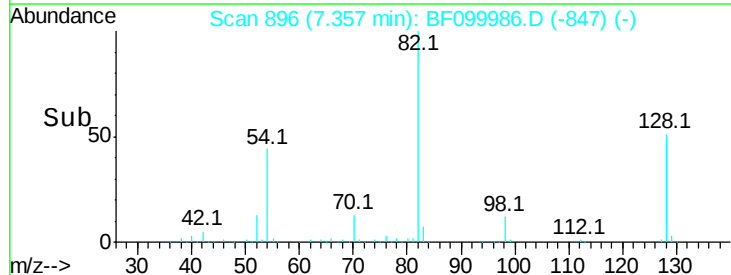


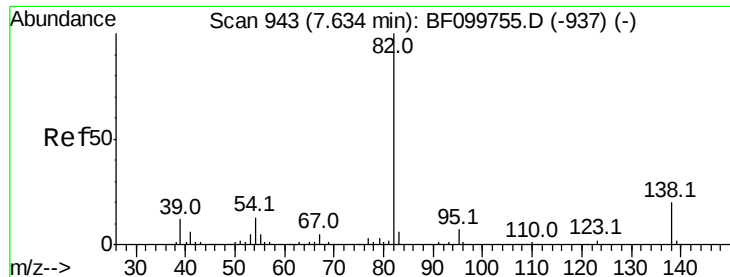
#23
Nitrobenzene-d5
Concen: 86.482 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF099986.D
Acq: 31 Oct 2017 3:45

Tgt Ion:	82	Resp:	436657
Ion	Ratio	Lower	Upper
82	100		
128	50.9	36.1	54.1
54	44.1	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: 47.660 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099986.D

Acq: 31 Oct 2017 3:45

Instrument :

BNA_F

ClientSampleId :

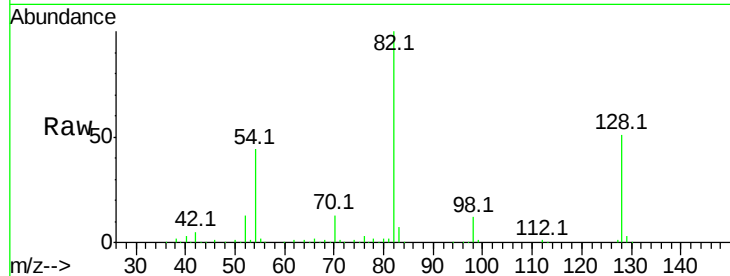
Tot Ion: 82 Resp: 436657

Ion Ratio Lower Upper

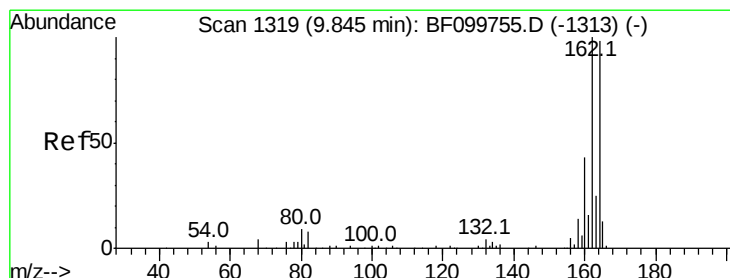
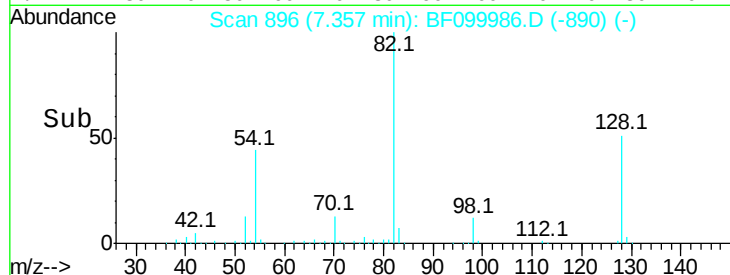
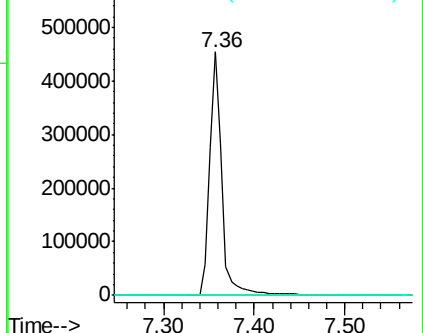
82 100

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: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF099986.D

Acq: 31 Oct 2017 3:45

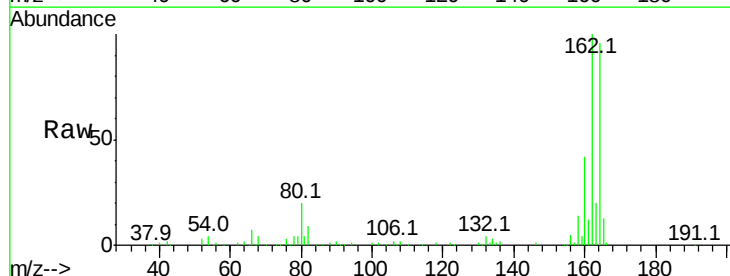
Tgt Ion:164 Resp: 148284

Ion Ratio Lower Upper

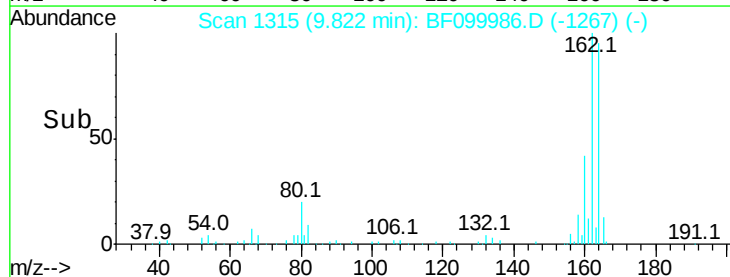
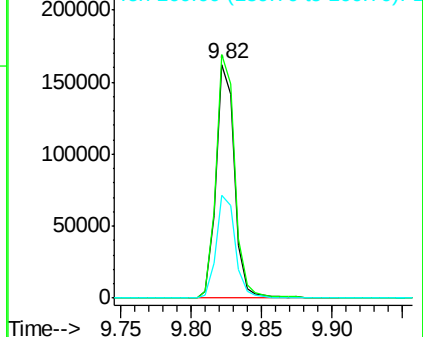
164 100

162 104.3 86.1 129.1

160 43.8 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

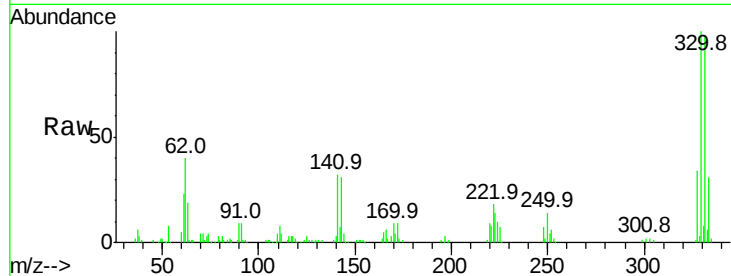




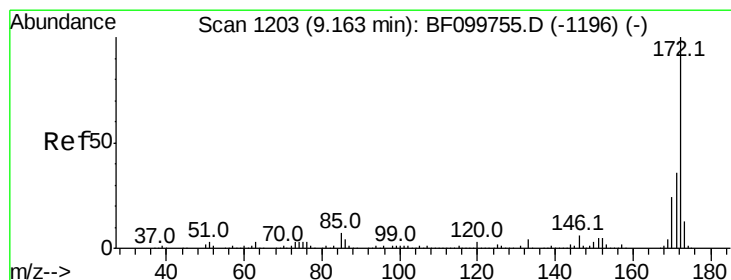
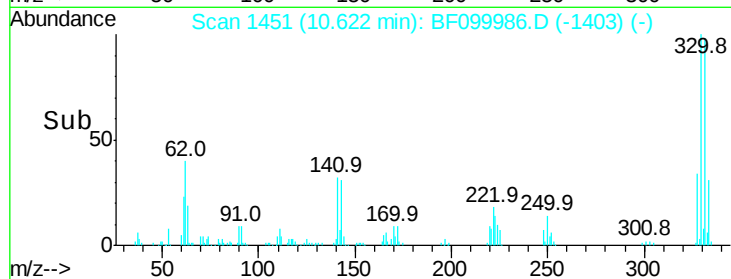
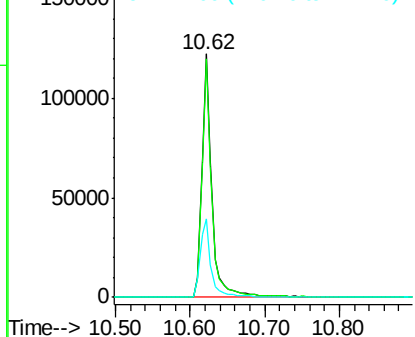
#41
 2,4,6-Tribromophenol
 Concen: 86.571 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.02 min
 Lab File: BF099986.D
 Acq: 31 Oct 2017 3:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 116986
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 34.5 29.9 44.9

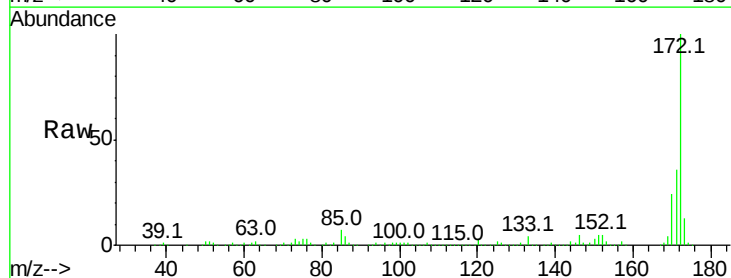


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

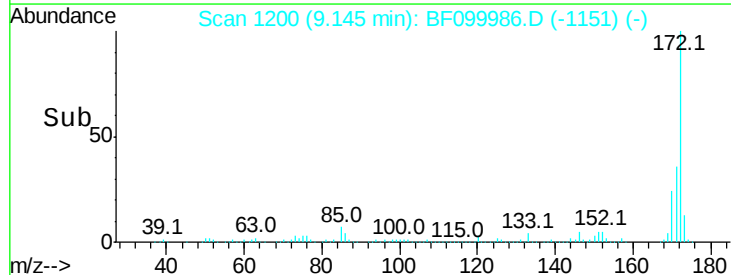
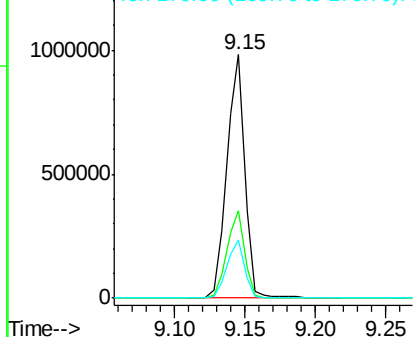


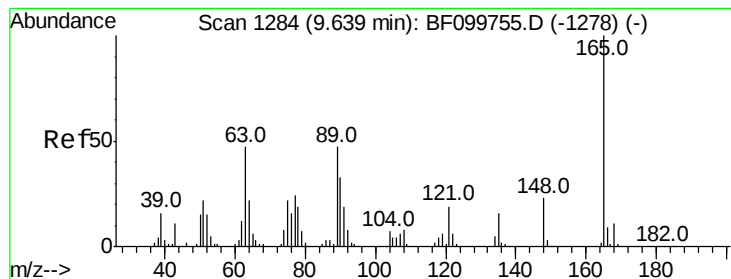
#44
 2-Fluorobiphenyl
 Concen: 90.336 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF099986.D
 Acq: 31 Oct 2017 3:45

Tgt Ion:172 Resp: 868230
 Ion Ratio Lower Upper
 172 100
 171 36.0 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: 7.541 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.18 min

Lab File: BF099986.D

Acq: 31 Oct 2017 3:45

Instrument :

BNA_F

ClientSampled :

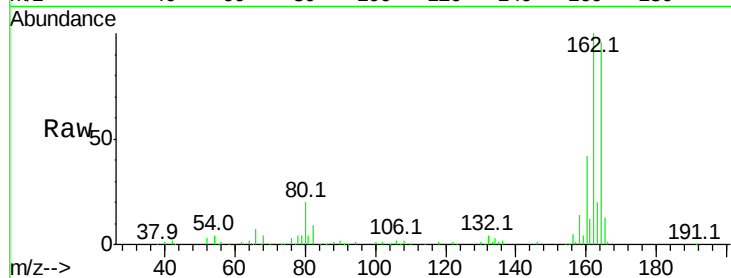
Tot Ion:165 Resp: 18617

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

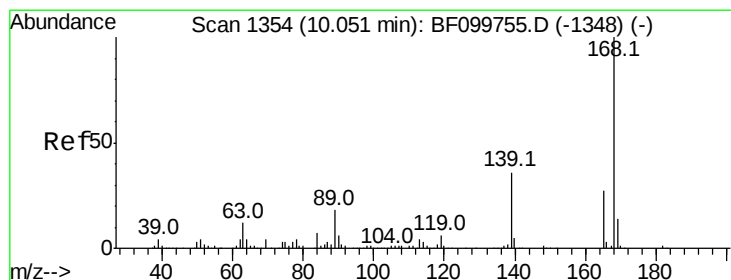
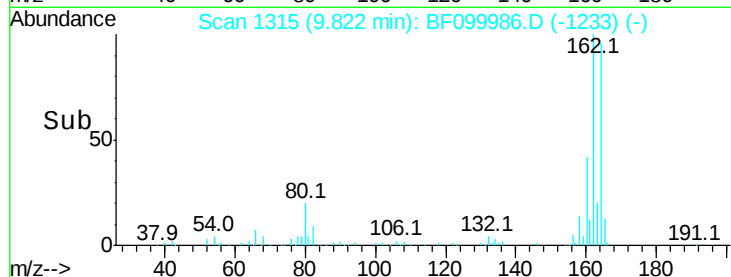
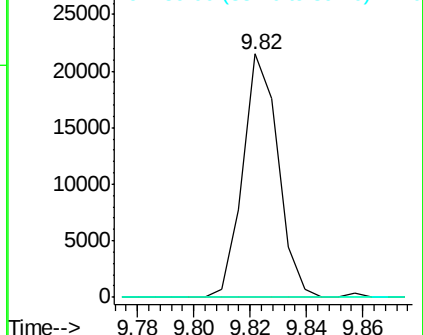
89 0.0 44.0 66.0#



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: 6.262 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.23 min

Lab File: BF099986.D

Acq: 31 Oct 2017 3:45

Tgt Ion:165 Resp: 18617

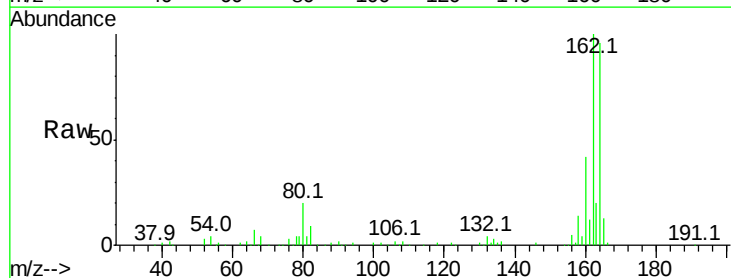
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

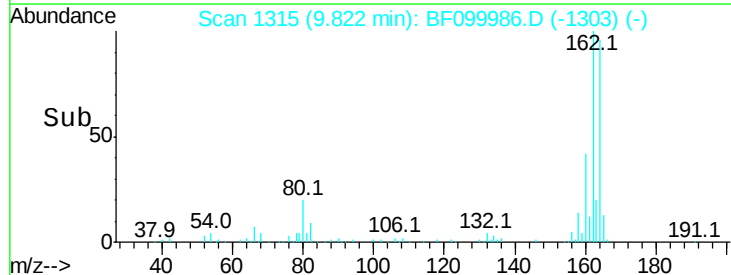
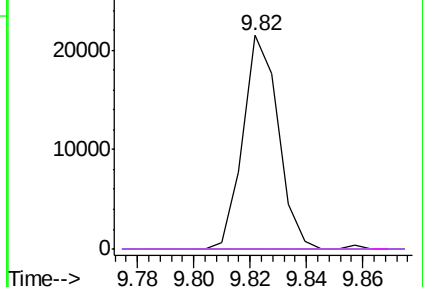


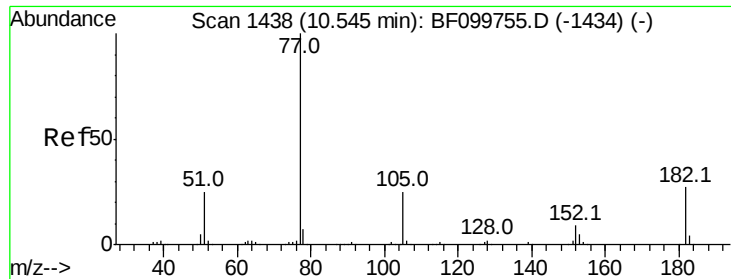
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 2.713 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF099986.D

Acq: 31 Oct 2017 3:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 26079

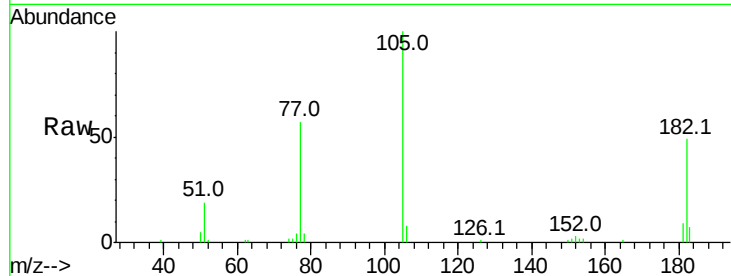
Ion Ratio Lower Upper

77 100

182 86.2 1.7 41.7#

105 175.3 3.0 43.0#

51 32.5 9.9 49.9

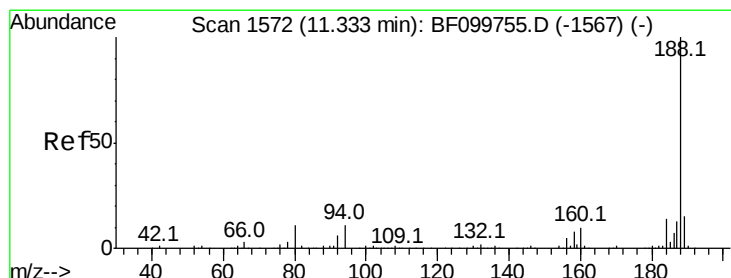
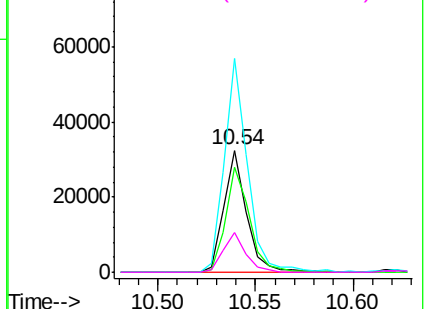
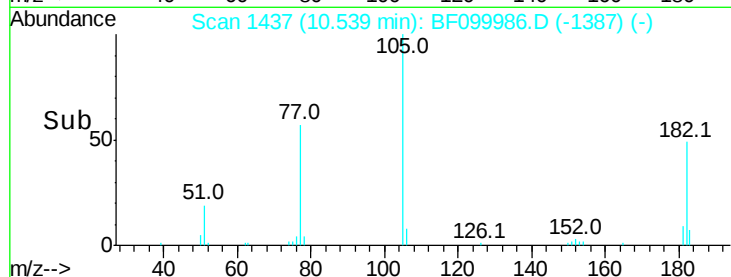


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BF099986.D

Acq: 31 Oct 2017 3:45

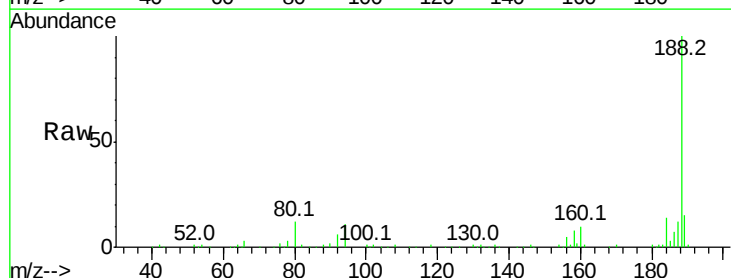
Tgt Ion: 188 Resp: 257820

Ion Ratio Lower Upper

188 100

94 11.4 8.5 12.7

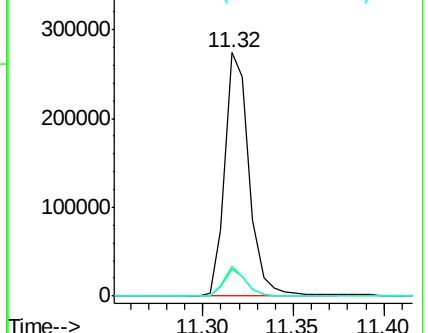
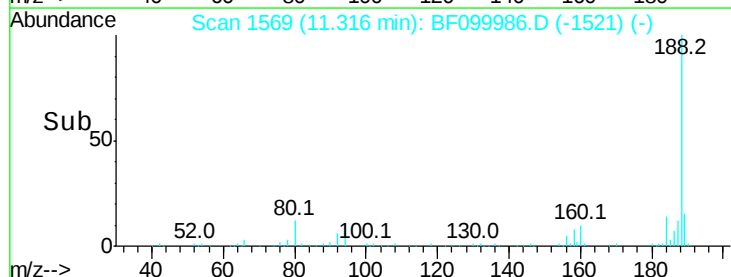
80 12.2 9.2 13.8



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

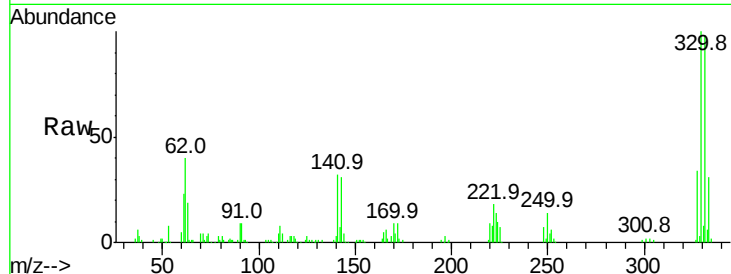




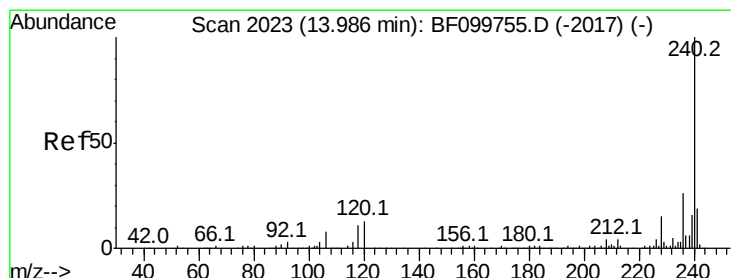
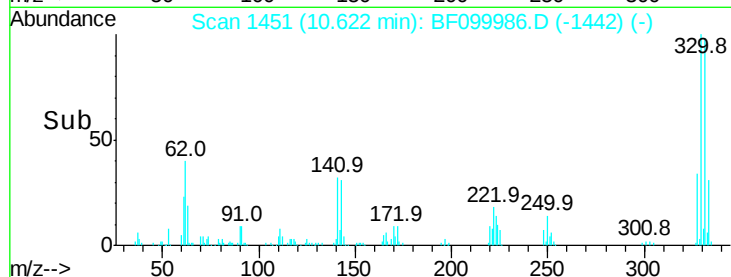
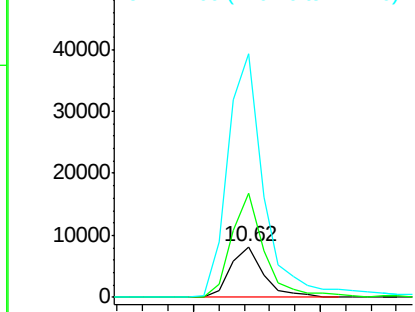
#66
4-Bromophenyl-phenylether
Concen: 2.705 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.25 min
Lab File: BF099986.D
Acq: 31 Oct 2017 3:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 7343
Ion Ratio Lower Upper
248 100
250 206.4 76.9 115.3#
141 482.1 74.4 111.6#

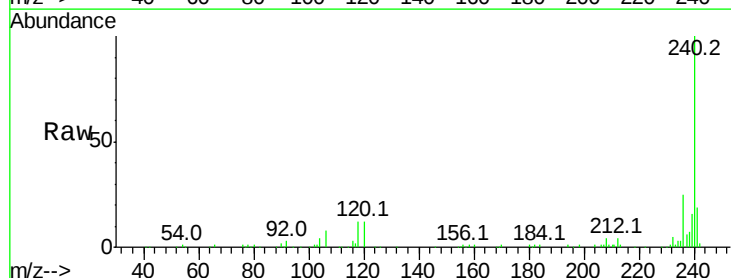


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

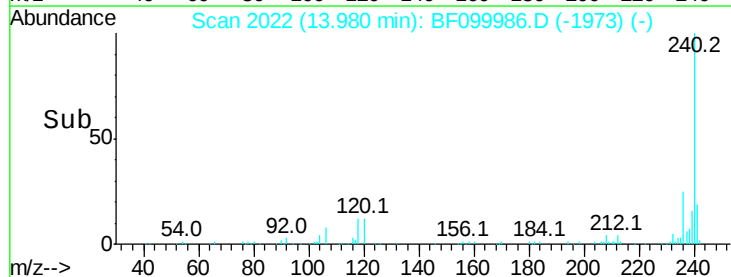
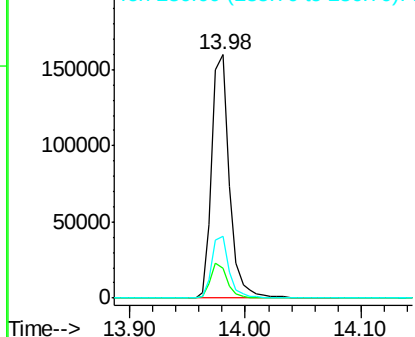


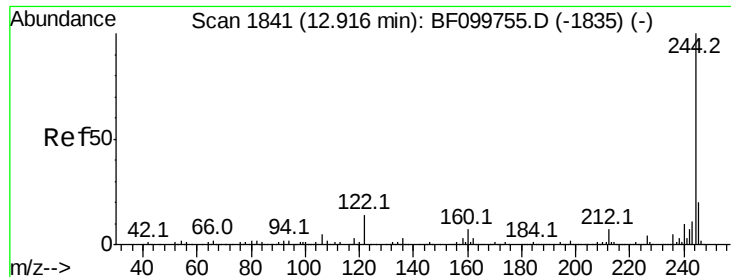
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF099986.D
Acq: 31 Oct 2017 3:45

Tgt Ion:240 Resp: 170293
Ion Ratio Lower Upper
240 100
120 12.4 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

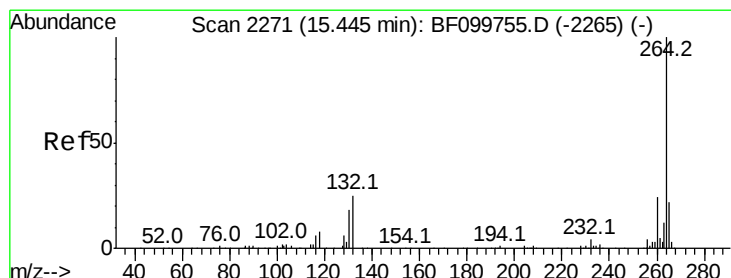
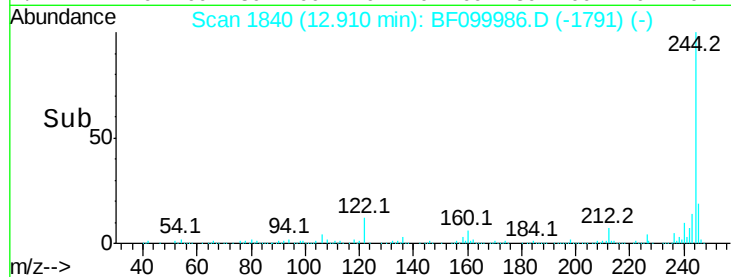
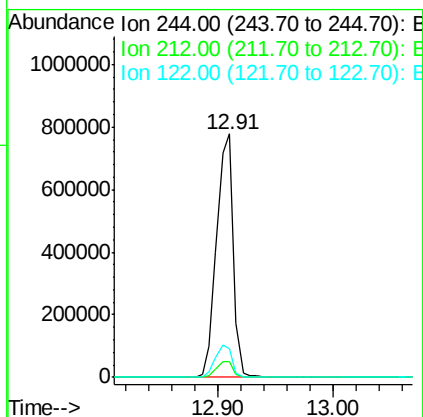
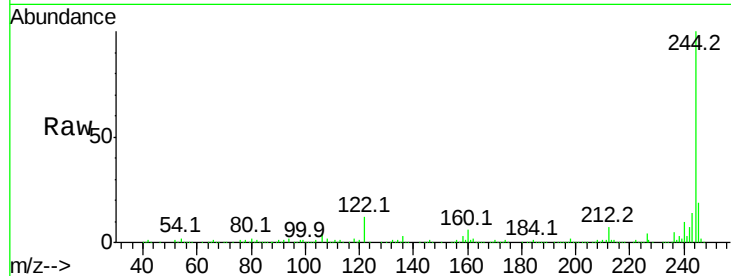




#78
 Terphenyl-d14
 Concen: 100.166 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF099986.D
 Acq: 31 Oct 2017 3:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 780537
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.8 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.01 min
 Lab File: BF099986.D
 Acq: 31 Oct 2017 3:45

Tgt Ion:264 Resp: 148669
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.2 28.8
 265 21.3 17.5 26.3

