

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099979.D
 Acq On : 31 Oct 2017 00:38
 Operator : SJ/JU
 Sample : I6083-05
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

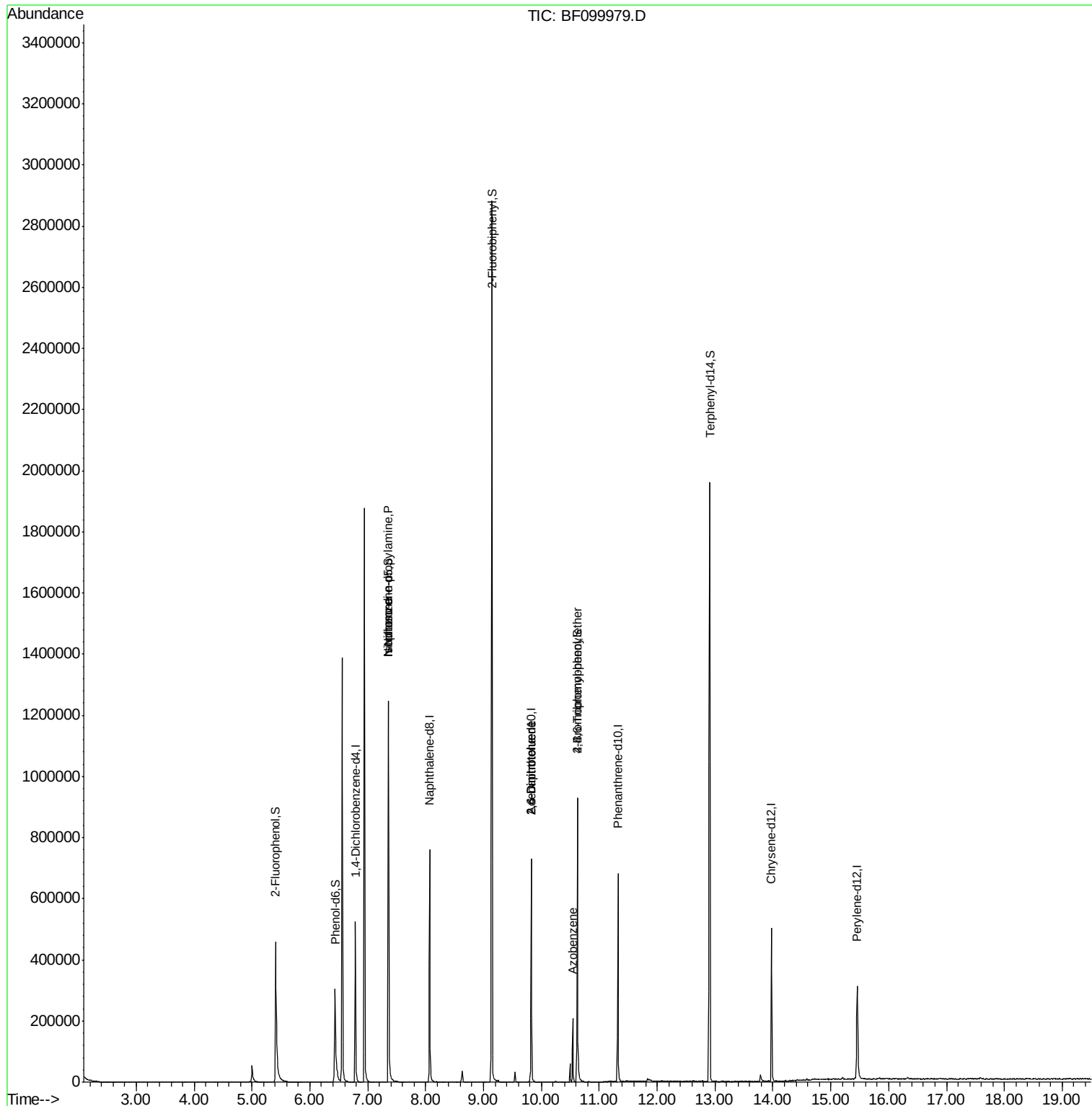
Quant Time: Oct 31 02:31:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

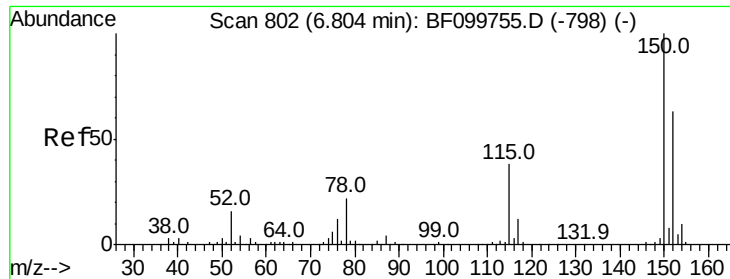
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	85506	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	350000	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	158136	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	259706	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	174911	20.00	ng	-0.02
86) Perylene-d12	15.46	264	160723	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	228696	41.99	ng	0.00
7) Phenol-d6	6.43	99	177738	27.52	ng	0.00
23) Nitrobenzene-d5	7.36	82	477759	87.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	118671	82.35	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	928579	90.60	ng	-0.01
78) Terphenyl-d14	12.91	244	743565	92.90	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	58520	15.463	ng	# 72
25) Isophorone	7.36	82	477759	48.431	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	19575	7.435	ng	# 24
56) 2,4-Dinitrotoluene	9.82	165	19575	6.174	ng	# 21
62) Azobenzene	10.54	77	32906	3.210	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	7650	2.798	ng	# 1

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

```
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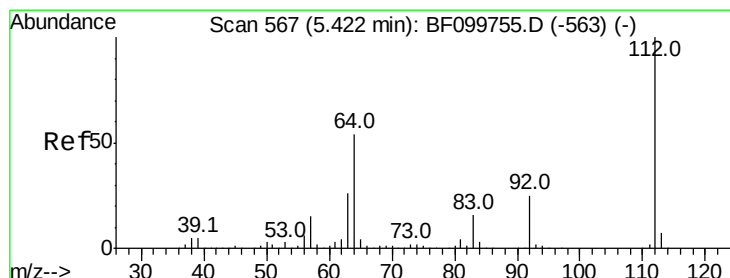
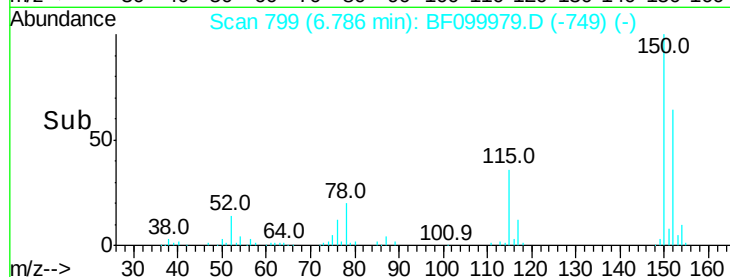
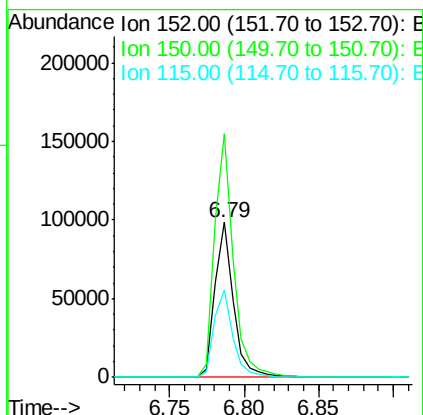
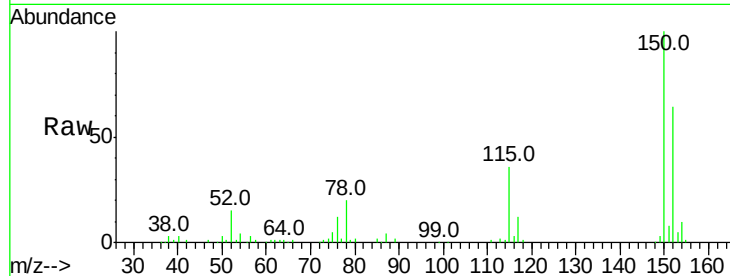


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF099979.D
 Acq: 31 Oct 2017 00:38

Instrument :
 BNA_F
 ClientSampleId :

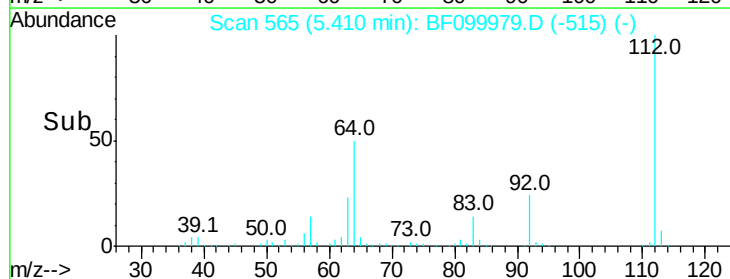
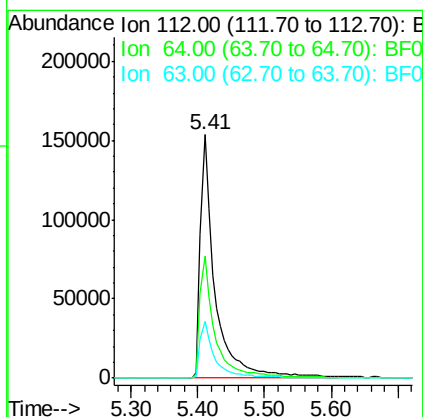
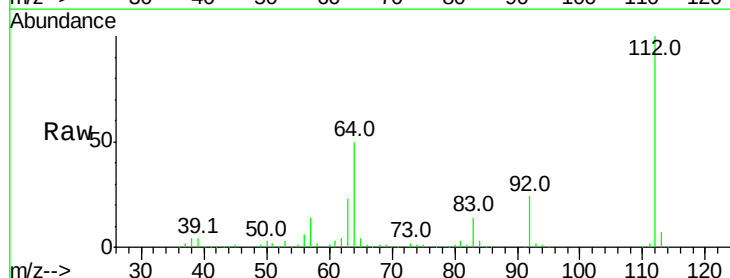
Tot Ion:152 Resp: 85506
 Ion Ratio Lower Upper
 152 100
 150 157.2 124.6 186.8
 115 56.8 50.1 75.1

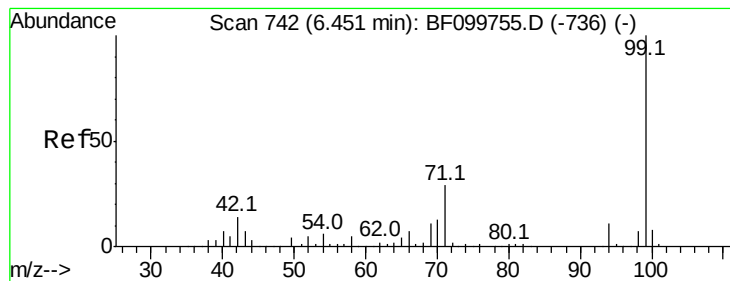


#5

2-Fluorophenol
 Concen: 41.991 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF099979.D
 Acq: 31 Oct 2017 00:38

Tgt Ion:112 Resp: 228696
 Ion Ratio Lower Upper
 112 100
 64 49.9 47.9 71.9
 63 23.3 23.7 35.5#





#7

Phenol-d6

Concen: 27.523 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099979.D

Acq: 31 Oct 2017 00:38

Instrument :

BNA_F

ClientSampleId :

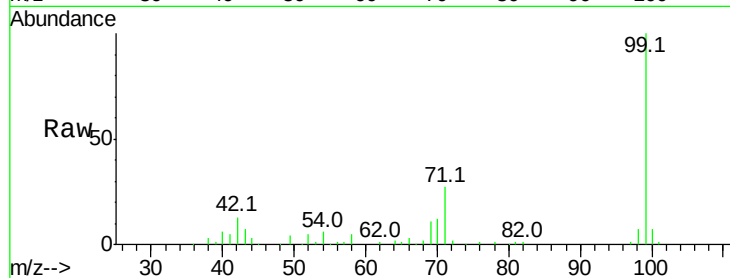
Tot Ion: 99 Resp: 177738

Ion Ratio Lower Upper

99 100

42 13.1 14.5 21.7#

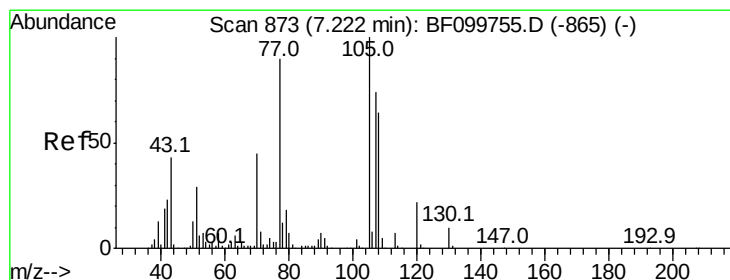
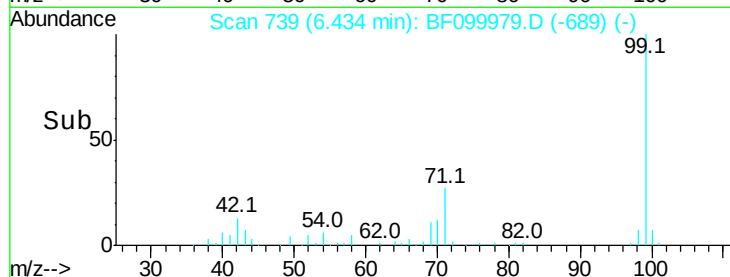
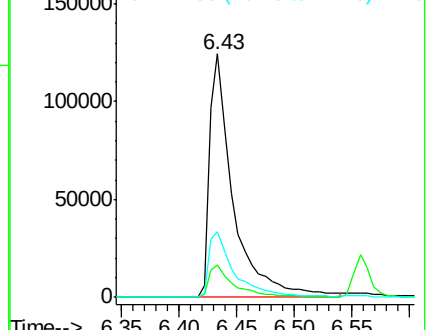
71 27.2 25.4 38.0



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: 15.463 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099979.D

Acq: 31 Oct 2017 00:38

Tgt Ion: 70 Resp: 58520

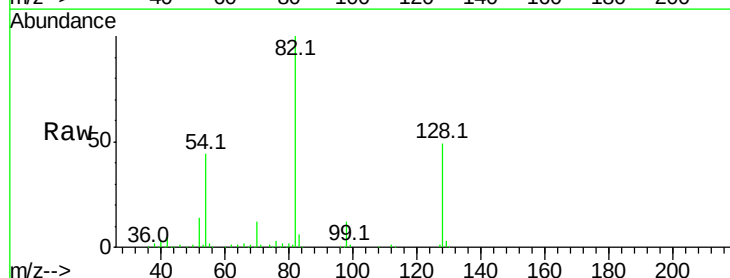
Ion Ratio Lower Upper

70 100

42 41.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

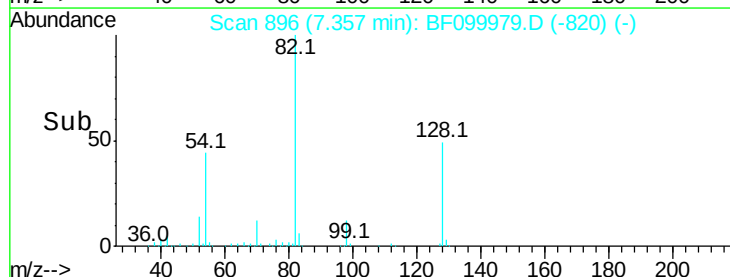
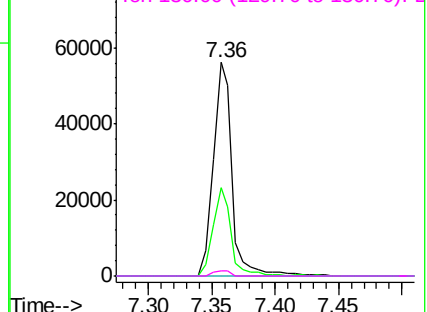


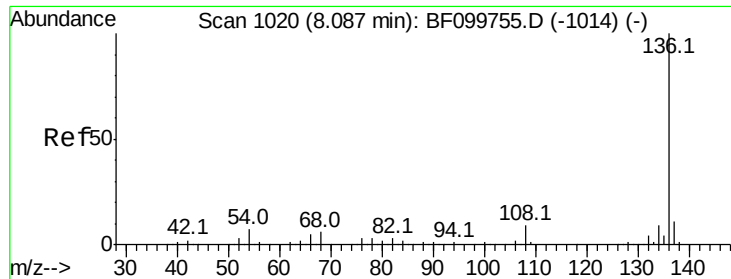
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

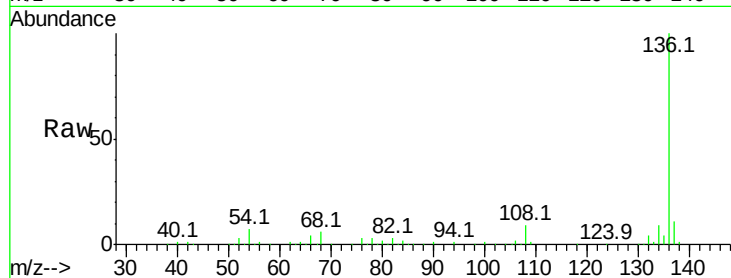




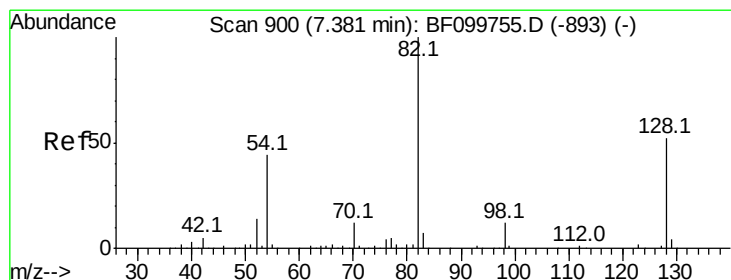
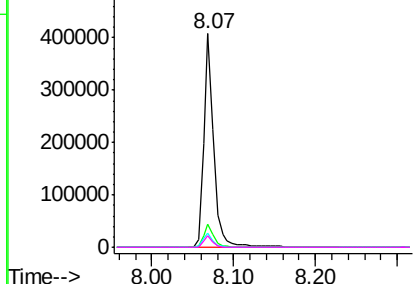
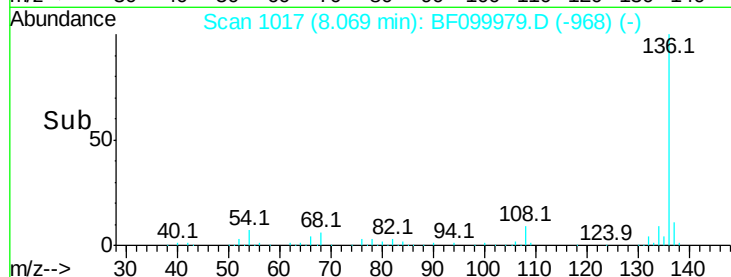
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099979.D
Acq: 31 Oct 2017 00:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	350000
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.6	6.6	9.8
68	5.6	5.0	7.4

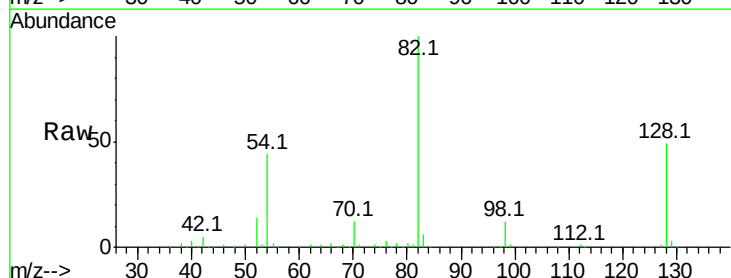


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

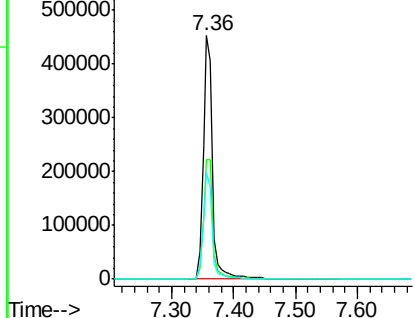
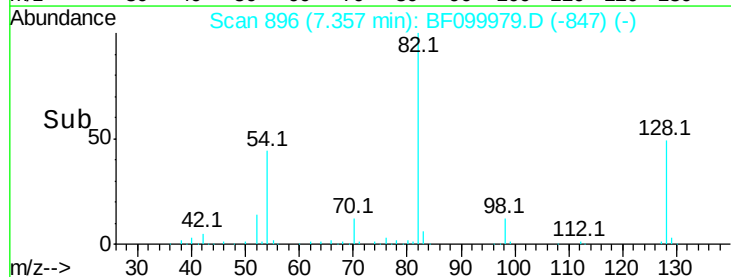


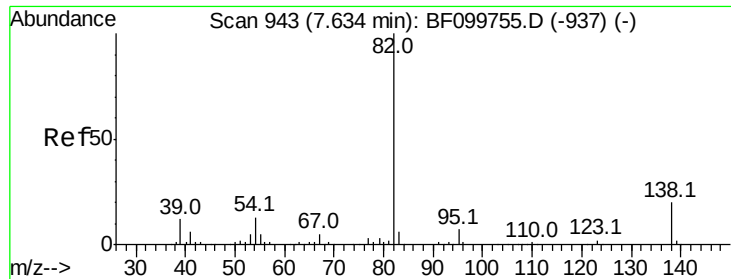
#23
Nitrobenzene-d5
Concen: 87.881 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF099979.D
Acq: 31 Oct 2017 00:38

Tgt Ion:	82	Resp:	477759
Ion	Ratio	Lower	Upper
82	100		
128	49.3	36.1	54.1
54	43.7	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: 48.431 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099979.D

Acq: 31 Oct 2017 00:38

Instrument :

BNA_F

ClientSampled :

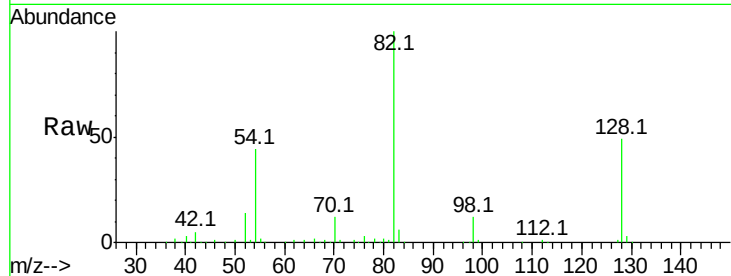
Tot Ion: 82 Resp: 477759

Ion Ratio Lower Upper

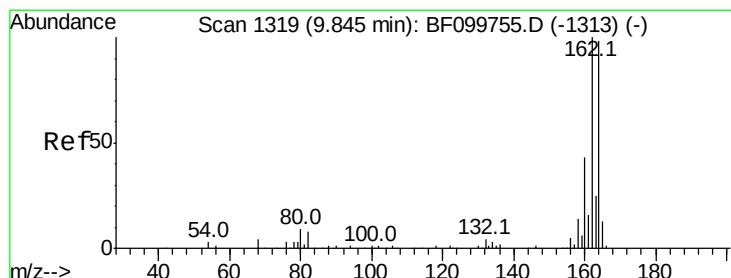
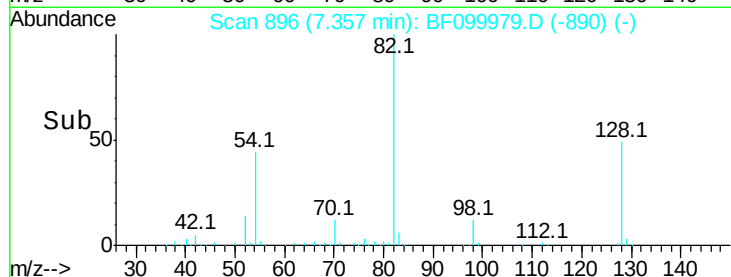
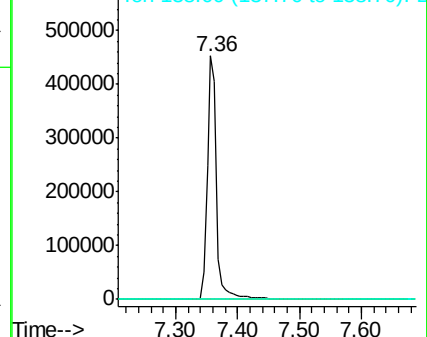
82 100

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: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF099979.D

Acq: 31 Oct 2017 00:38

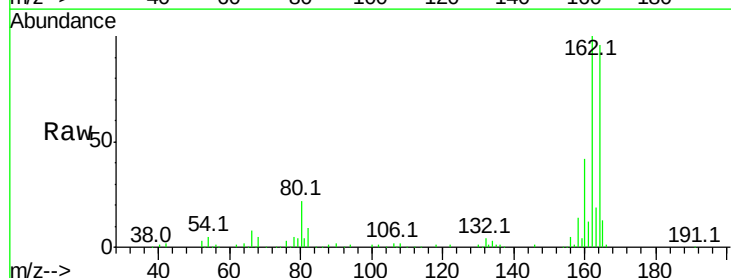
Tgt Ion:164 Resp: 158136

Ion Ratio Lower Upper

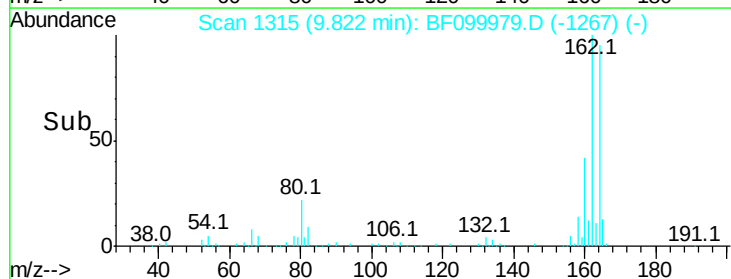
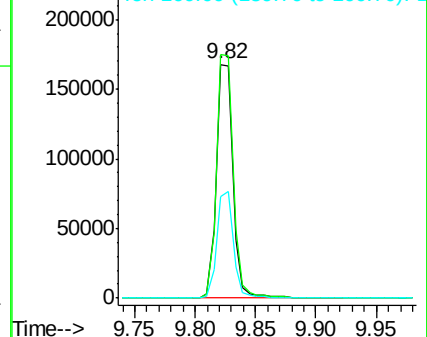
164 100

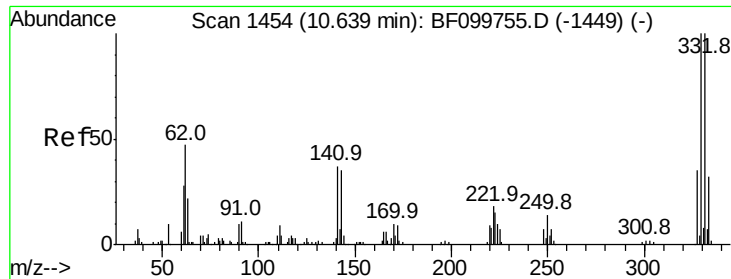
162 104.2 86.1 129.1

160 43.6 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

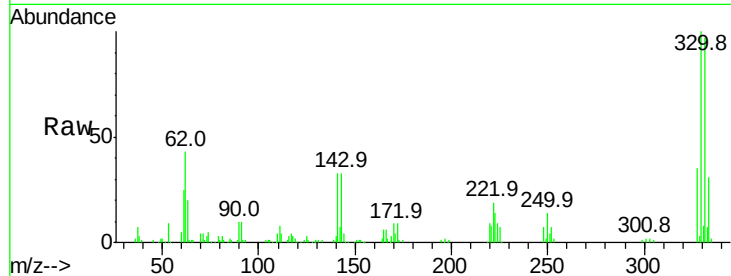




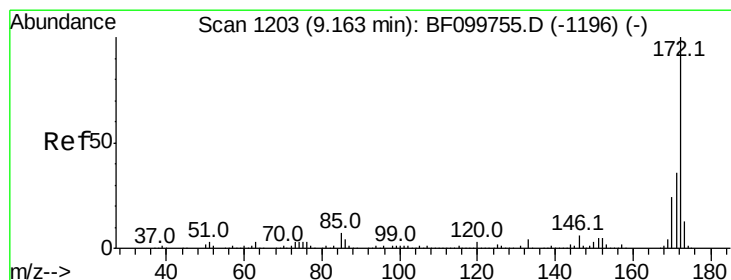
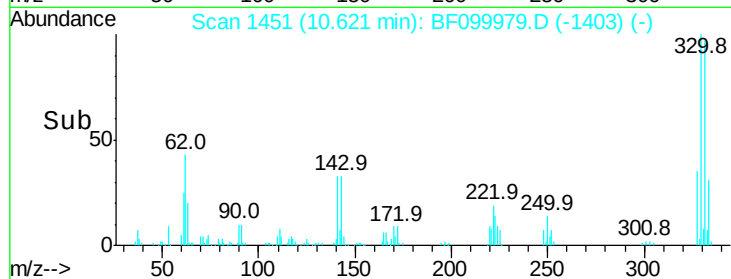
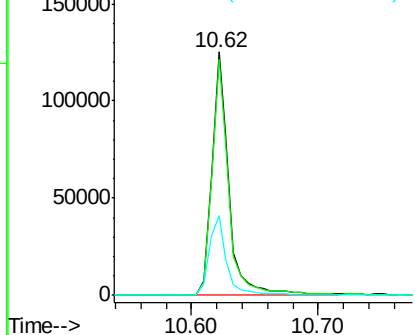
#41
 2,4,6-Tribromophenol
 Concen: 82.346 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.02 min
 Lab File: BF099979.D
 Acq: 31 Oct 2017 00:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 118671
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 33.4 29.9 44.9

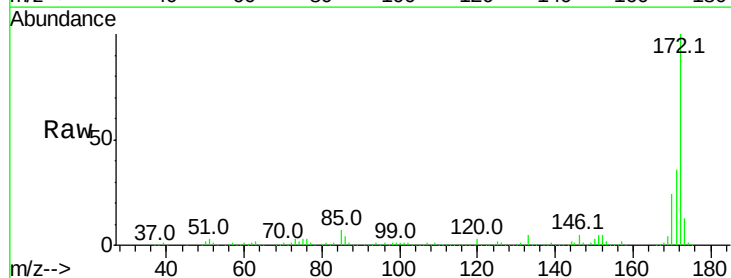


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

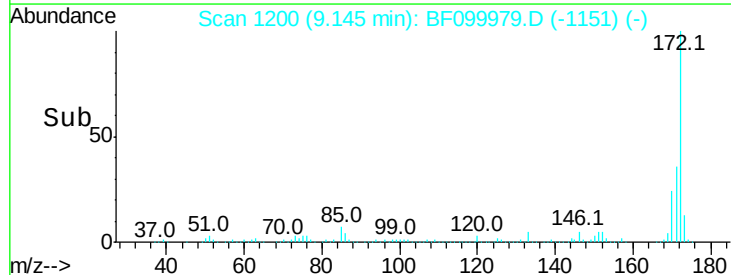
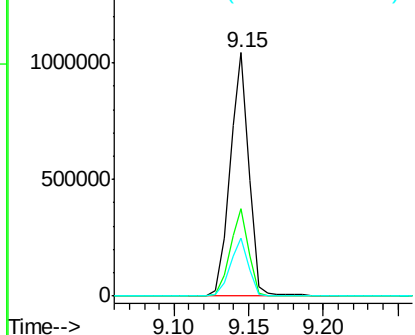


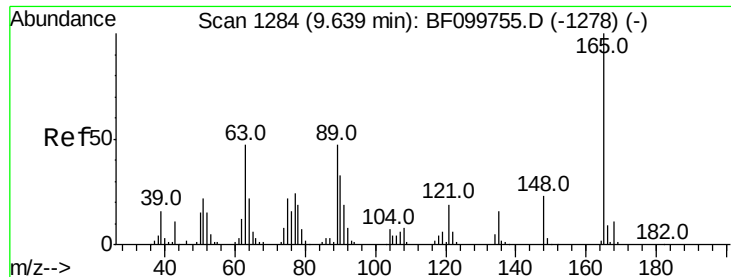
#44
 2-Fluorobiphenyl
 Concen: 90.596 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF099979.D
 Acq: 31 Oct 2017 00:38

Tgt Ion:172 Resp: 928579
 Ion Ratio Lower Upper
 172 100
 171 35.9 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

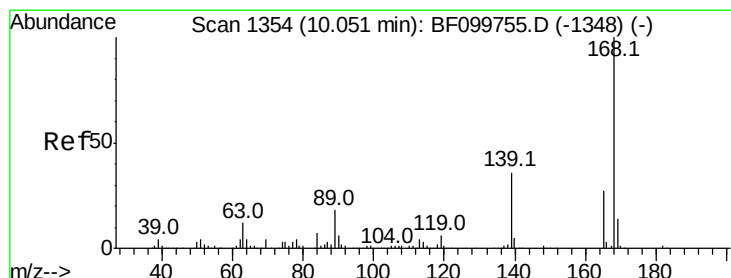
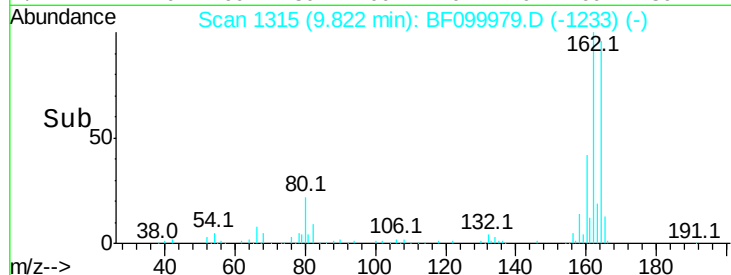
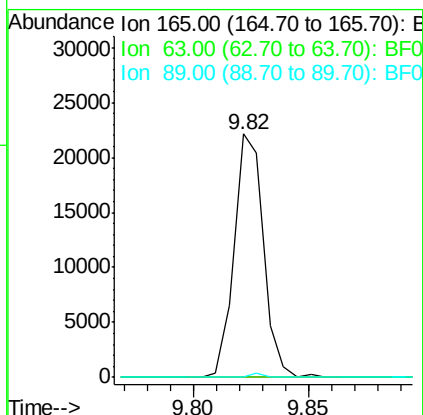
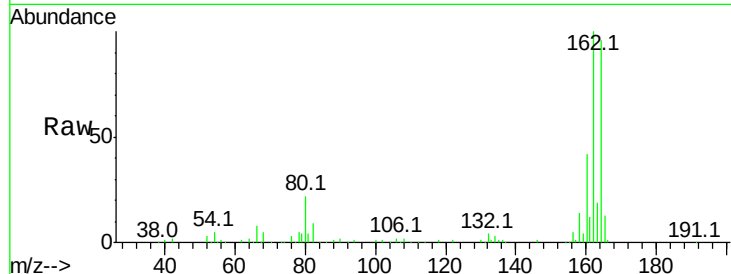




#50
 2,6-Dinitrotoluene
 Concen: 7.435 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.18 min
 Lab File: BF099979.D
 Acq: 31 Oct 2017 00:38

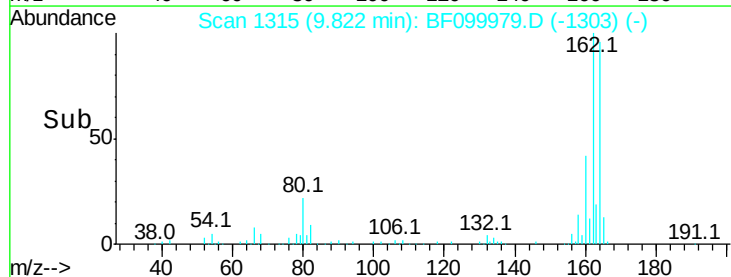
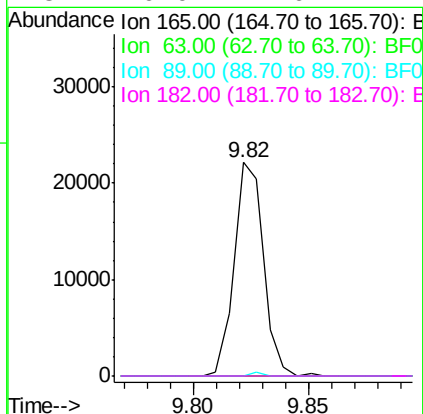
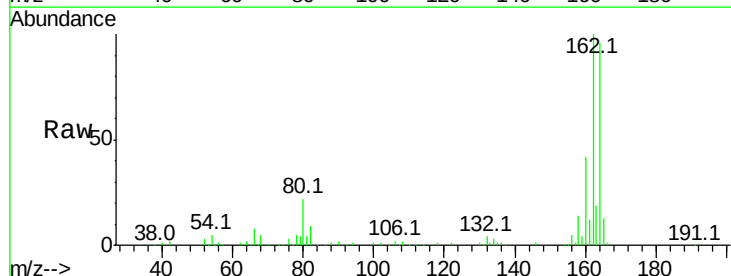
Instrument :
 BNA_F
 ClientSampleId :

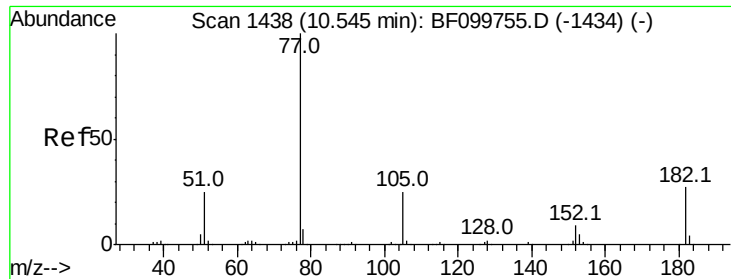
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.174 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.23 min
 Lab File: BF099979.D
 Acq: 31 Oct 2017 00:38

Tgt 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#

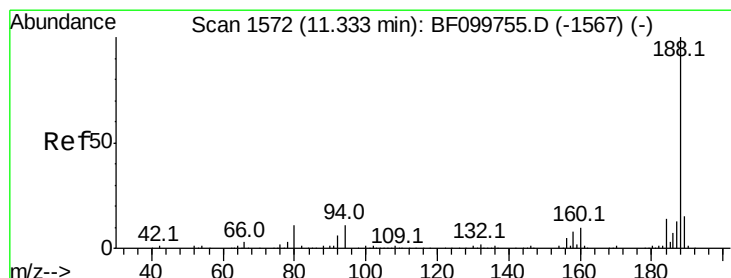
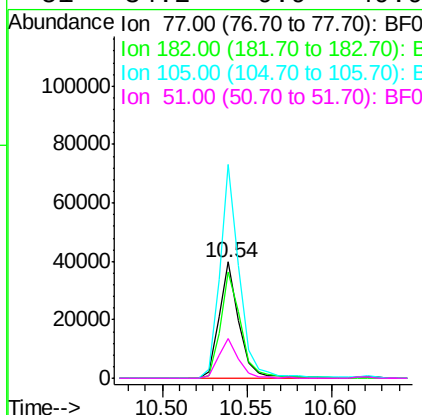
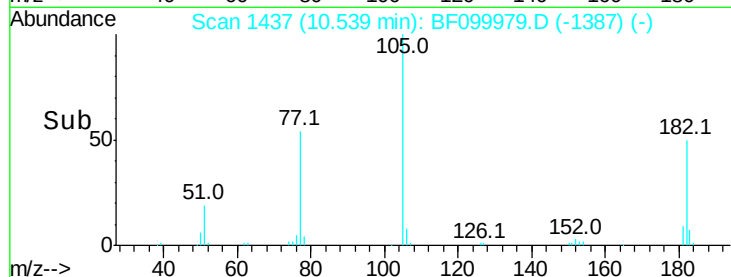
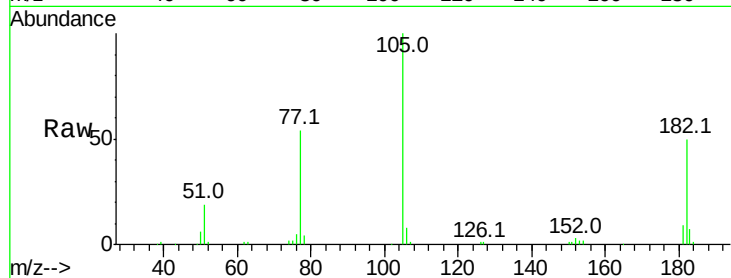




#62
Azobenzene
Concen: 3.210 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF099979.D
Acq: 31 Oct 2017 00:38

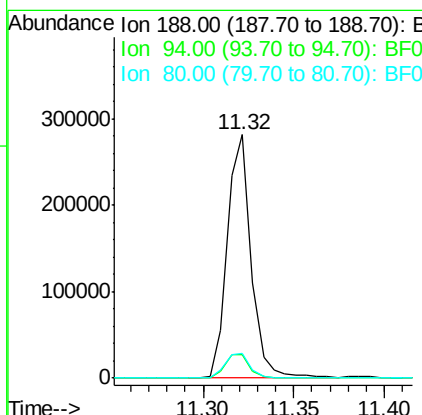
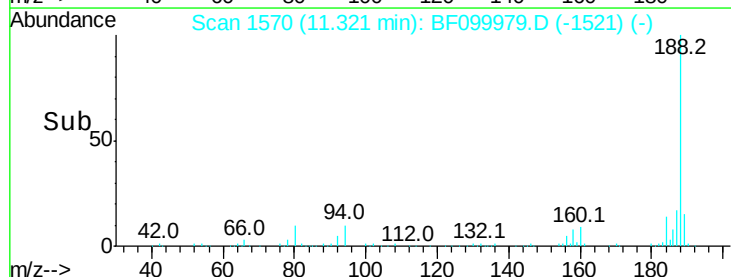
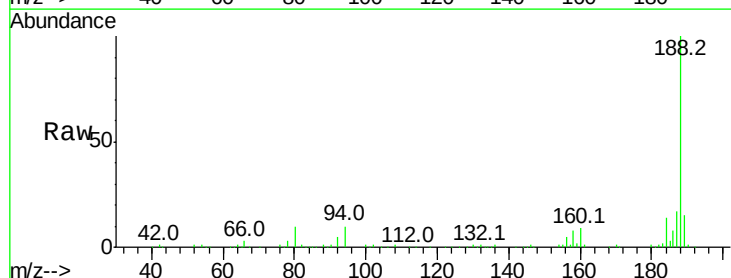
Instrument :
BNA_F
ClientSampleId :

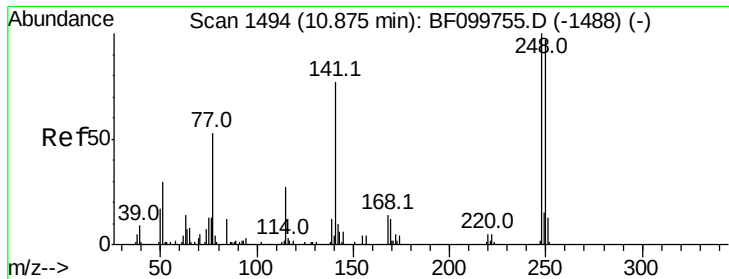
Tot Ion: 77 Resp: 32906
Ion Ratio Lower Upper
77 100
182 91.8 1.7 41.7#
105 183.5 3.0 43.0#
51 34.2 9.9 49.9



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF099979.D
Acq: 31 Oct 2017 00:38

Tgt Ion: 188 Resp: 259706
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.1 9.2 13.8

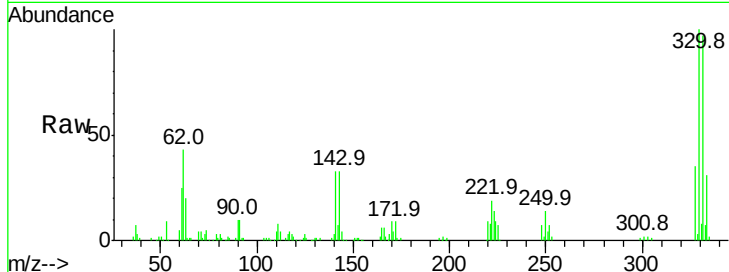




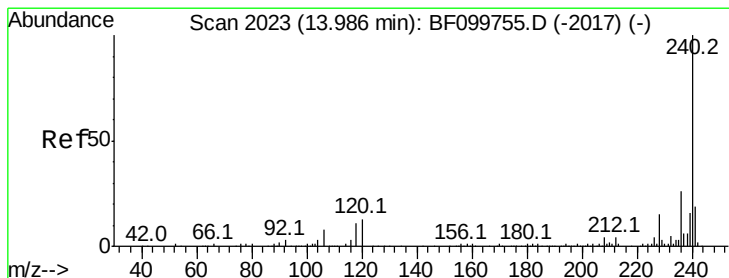
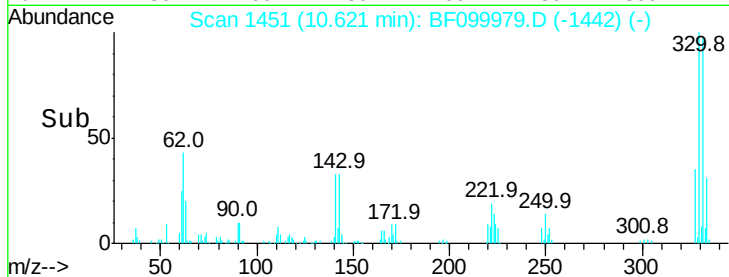
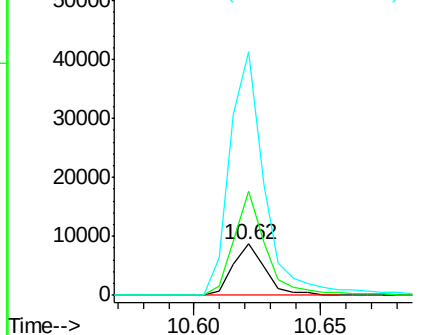
#66
 4-Bromophenyl-phenylether
 Concen: 2.798 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF099979.D
 Acq: 31 Oct 2017 00:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 7650
 Ion Ratio Lower Upper
 248 100
 250 203.1 76.9 115.3#
 141 477.3 74.4 111.6#

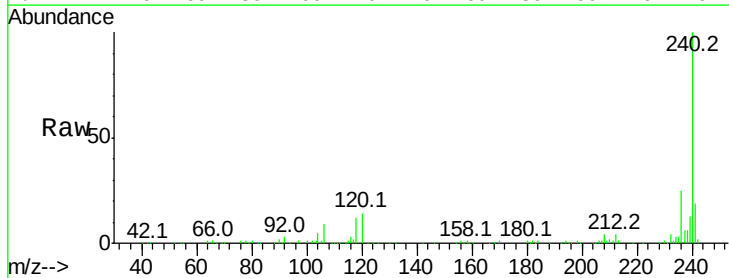


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

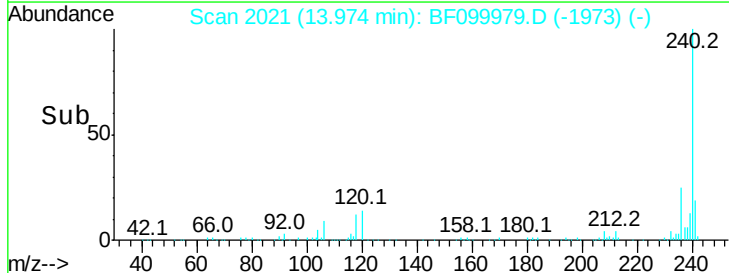
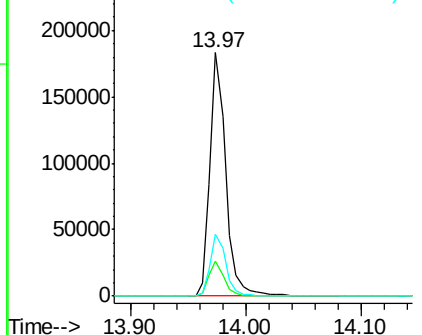


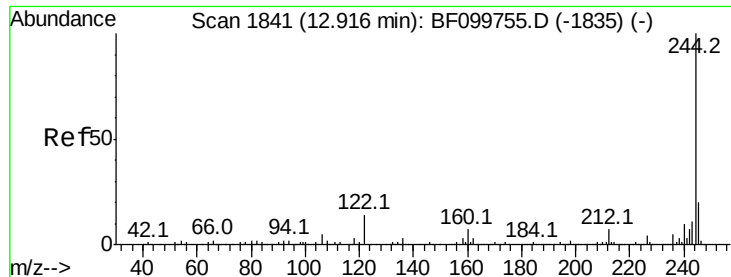
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.02 min
 Lab File: BF099979.D
 Acq: 31 Oct 2017 00:38

Tgt Ion:240 Resp: 174911
 Ion Ratio Lower Upper
 240 100
 120 14.4 9.5 14.3#
 236 25.4 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: 92.902 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF099979.D

Acq: 31 Oct 2017 00:38

Instrument :

BNA_F

ClientSampleId :

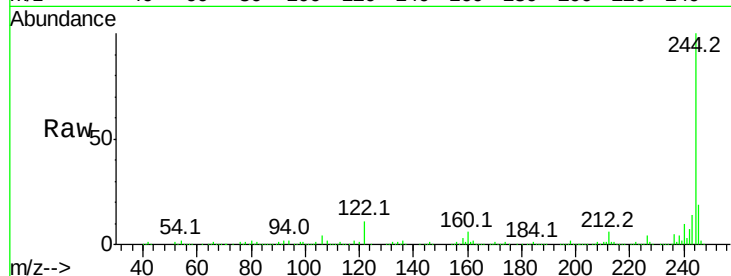
Tot Ion:244 Resp: 743565

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

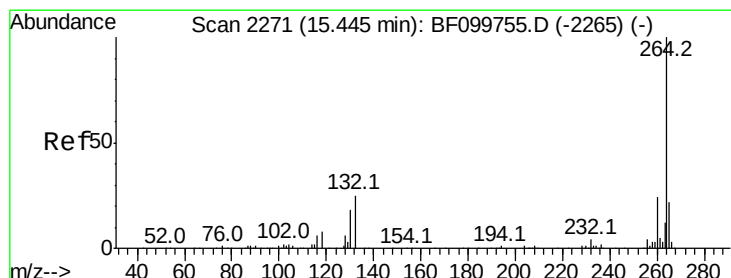
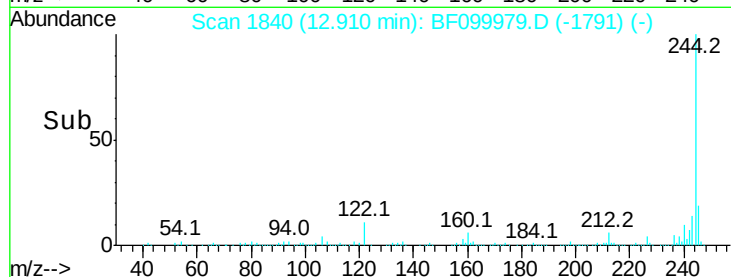
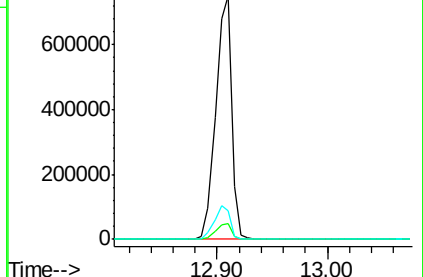
122 11.5 11.0 16.4



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: 15.46 min Scan# 2273

Delta R.T. -0.00 min

Lab File: BF099979.D

Acq: 31 Oct 2017 00:38

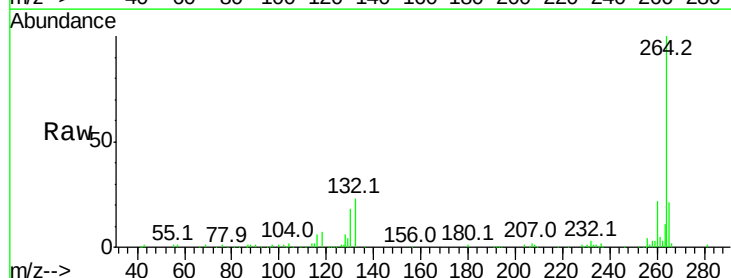
Tgt Ion:264 Resp: 160723

Ion Ratio Lower Upper

264 100

260 22.4 19.2 28.8

265 20.7 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

