

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099972.D
 Acq On : 30 Oct 2017 20:46
 Operator : SJ/JU
 Sample : I6171-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 02:29:30 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

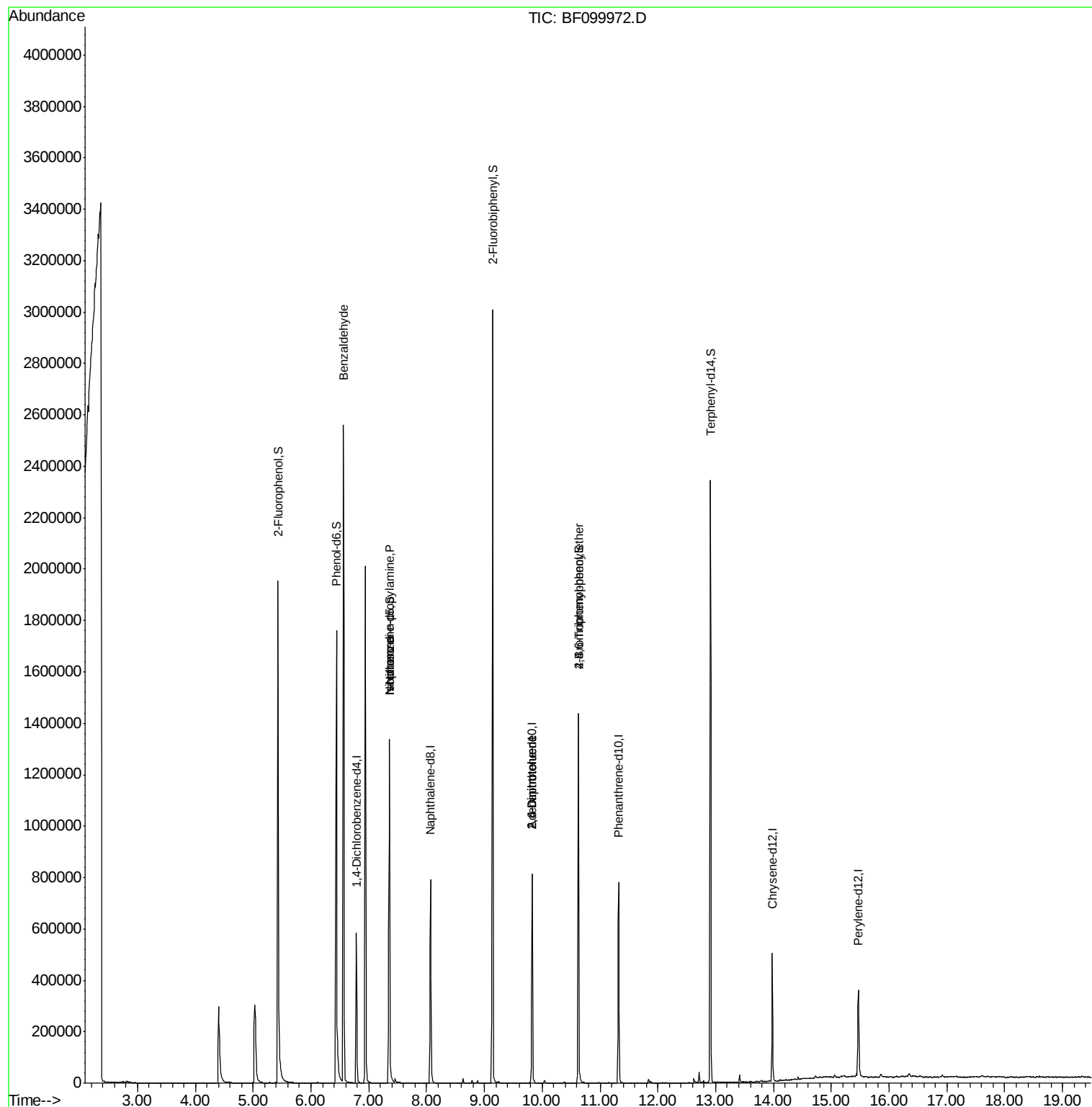
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	101688	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	408408	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	181204	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	287572	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	186263	20.00	ng	-0.01
86) Perylene-d12	15.47	264	163830	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	815664	125.93	ng	0.01
7) Phenol-d6	6.44	99	901034	117.32	ng	0.00
23) Nitrobenzene-d5	7.36	82	573450	90.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	210663	127.57	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1171799	99.77	ng	-0.01
78) Terphenyl-d14	12.91	244	847717	99.46	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.56	77	14145	3.082	ng	96
19) n-Nitroso-di-n-propylamine	7.36	70	72053	16.009	ng	# 72
25) Isophorone	7.36	82	573446	49.817	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	23191	7.688	ng	# 25
56) 2,4-Dinitrotoluene	9.82	165	23191	6.384	ng	# 23
66) 4-Bromophenyl-phenylether	10.63	248	13386	4.422	ng	# 1

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

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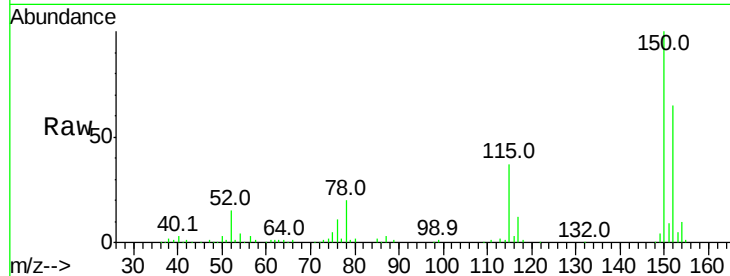


#1

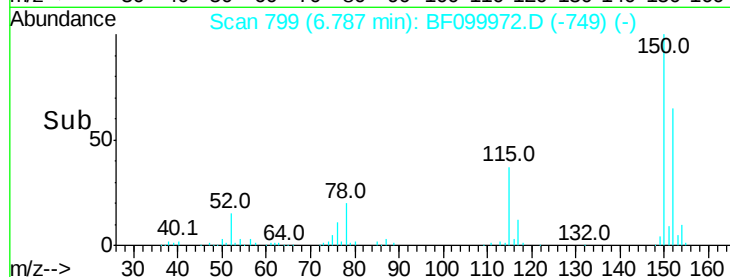
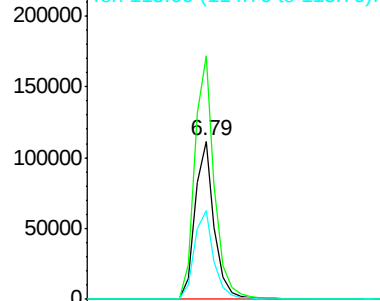
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099972.D
Acq: 30 Oct 2017 20:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 101688
Ion Ratio Lower Upper
152 100
150 153.9 124.6 186.8
115 56.4 50.1 75.1



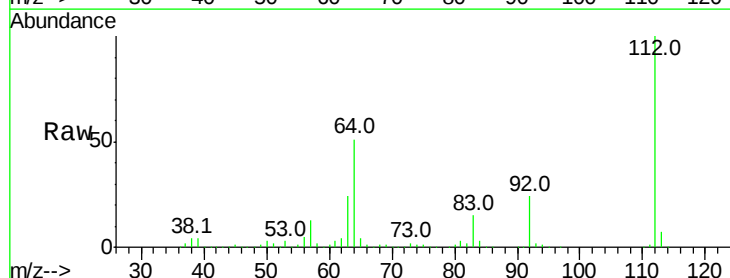
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



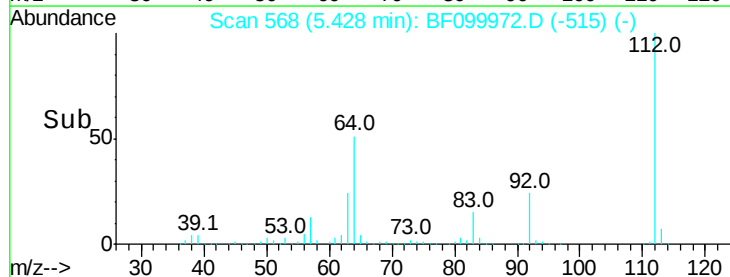
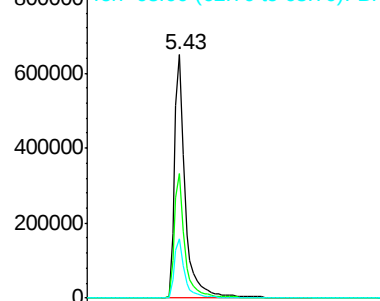
#5

2-Fluorophenol
Concen: 125.931 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF099972.D
Acq: 30 Oct 2017 20:46

Tgt Ion:112 Resp: 815664
Ion Ratio Lower Upper
112 100
64 51.3 47.9 71.9
63 24.3 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: 117.322 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF099972.D

Acq: 30 Oct 2017 20:46

Instrument :

BNA_F

ClientSampled :

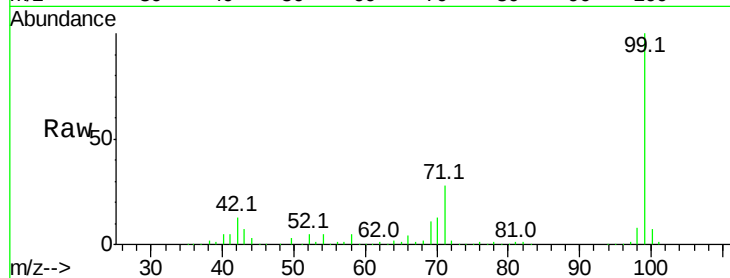
Tot Ion: 99 Resp: 901034

Ion Ratio Lower Upper

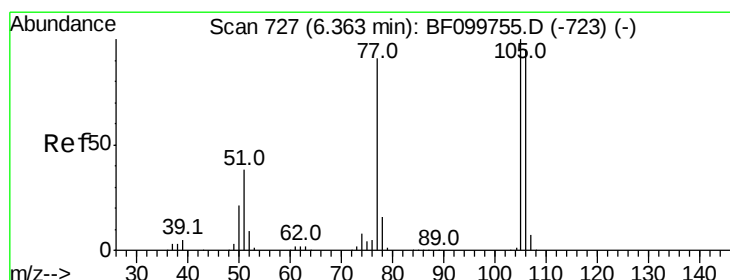
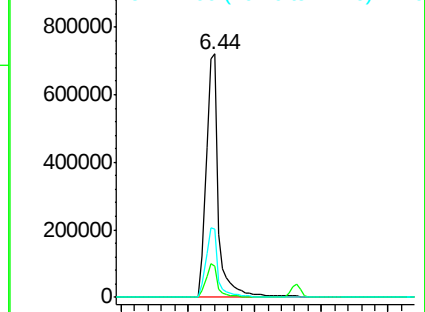
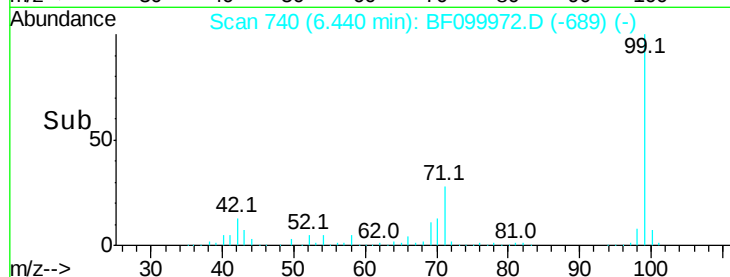
99 100

42 13.0 14.5 21.7#

71 28.1 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: 3.082 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.21 min

Lab File: BF099972.D

Acq: 30 Oct 2017 20:46

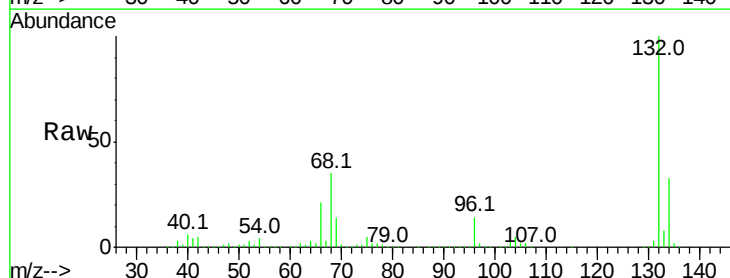
Tgt Ion: 77 Resp: 14145

Ion Ratio Lower Upper

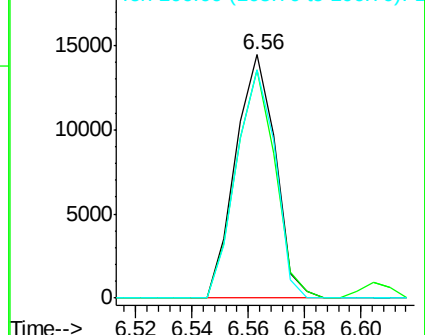
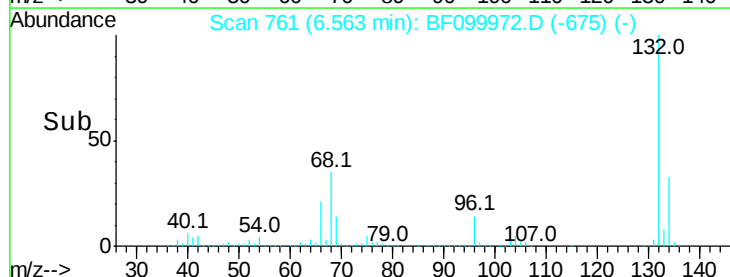
77 100

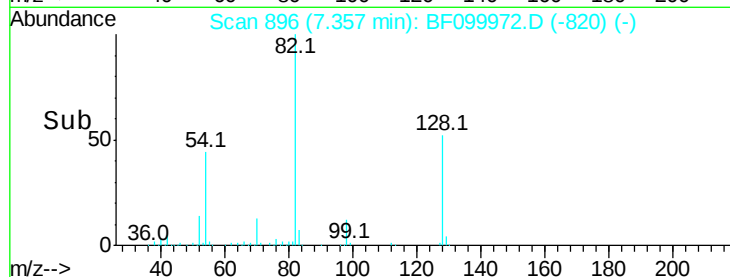
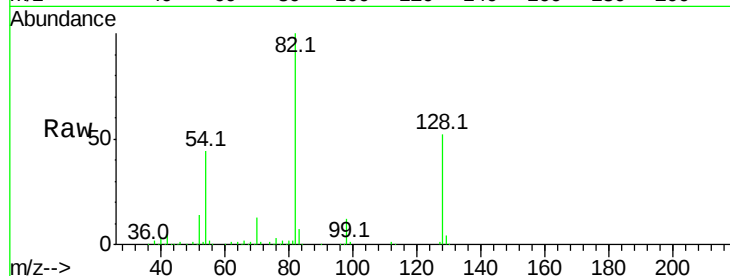
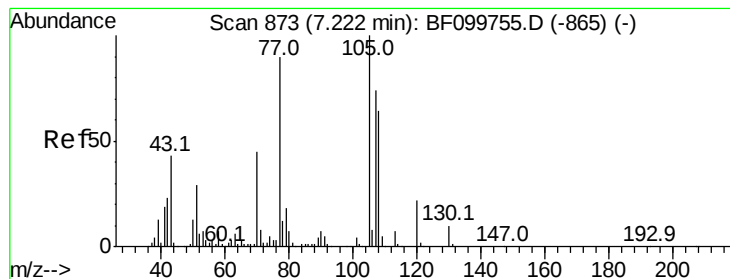
105 93.6 81.1 121.1

106 94.0 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: 16.009 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099972.D

Acq: 30 Oct 2017 20:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 72053

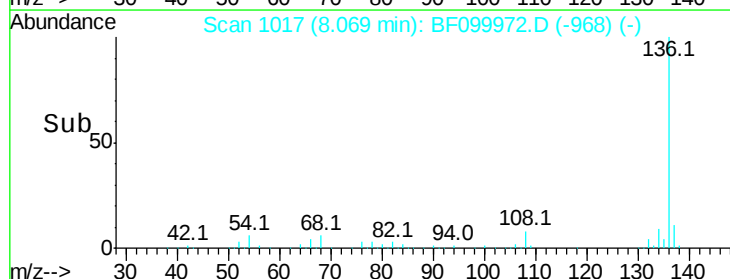
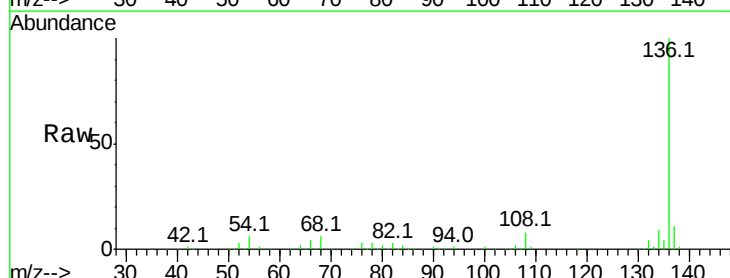
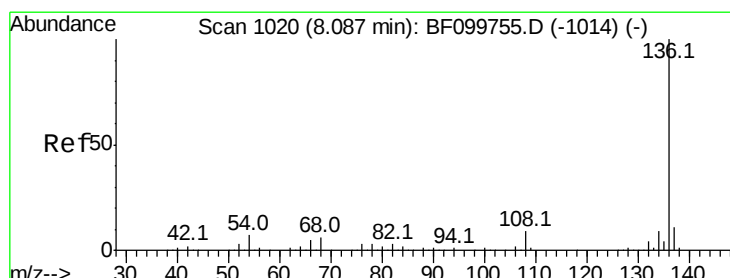
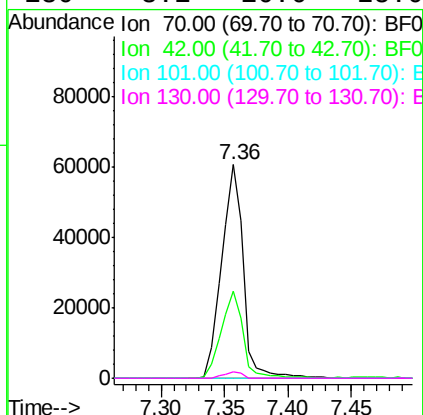
Ion Ratio Lower Upper

70 100

42 40.9 47.5 71.3#

101 0.0 7.4 11.2#

130 3.1 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF099972.D

Acq: 30 Oct 2017 20:46

Tgt Ion:136 Resp: 408408

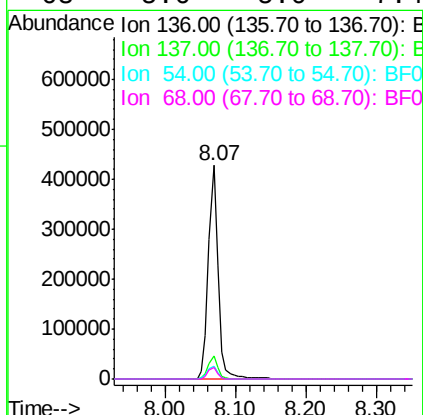
Ion Ratio Lower Upper

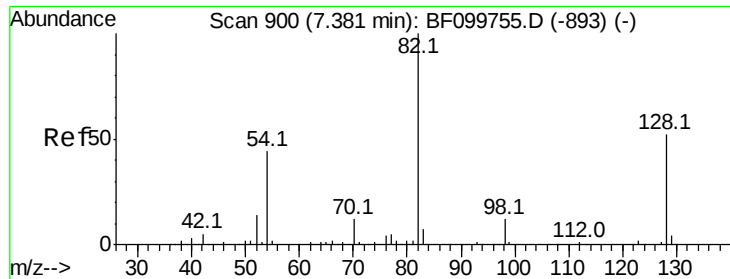
136 100

137 10.9 8.9 13.3

54 6.2 6.6 9.8#

68 5.6 5.0 7.4

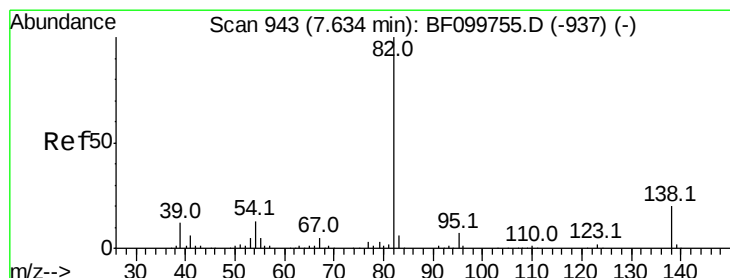
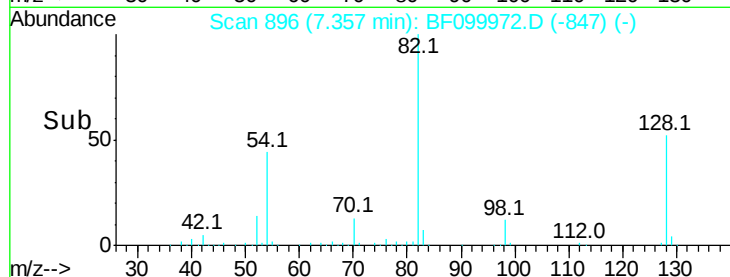
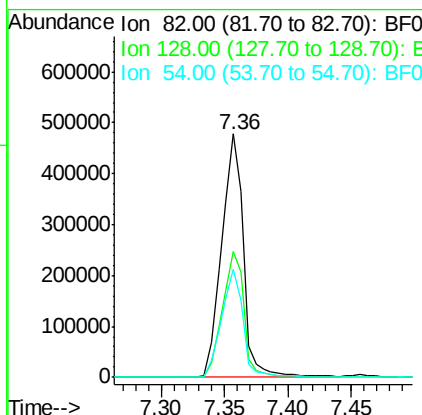
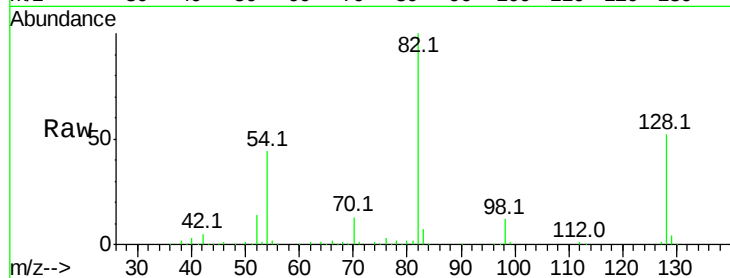




#23
 Nitrobenzene-d5
 Concen: 90.397 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF099972.D
 Acq: 30 Oct 2017 20:46

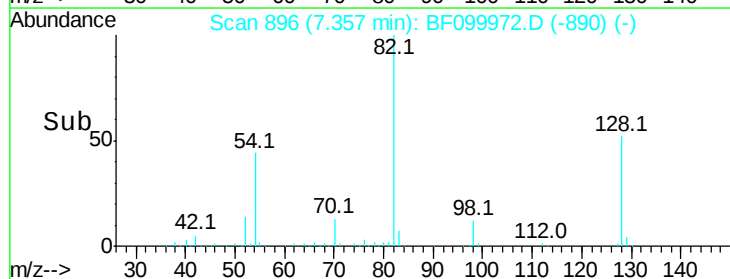
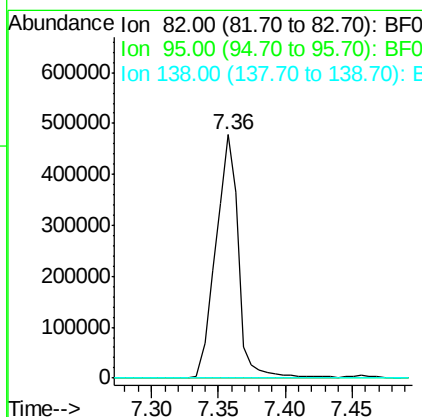
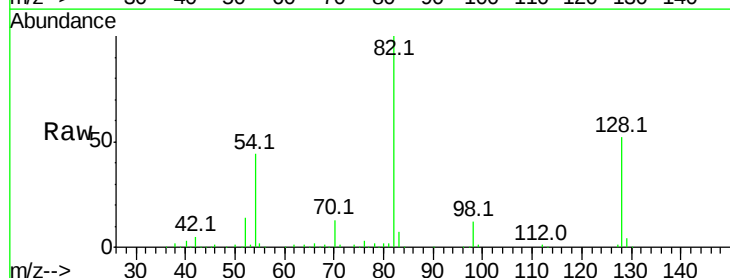
Instrument :
 BNA_F
 ClientSampleId :

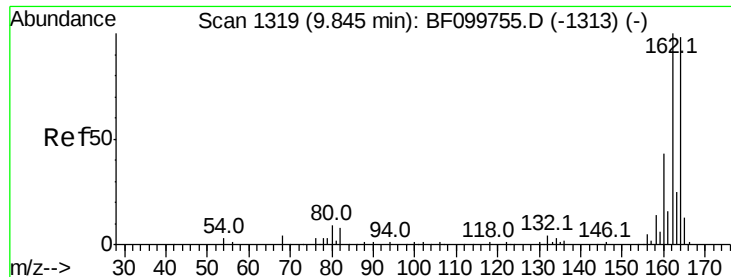
Tot Ion	Ratio	Lower	Upper
82	100		
128	51.6	36.1	54.1
54	44.1	41.4	62.2



#25
 Isophorone
 Concen: 49.817 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF099972.D
 Acq: 30 Oct 2017 20:46

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

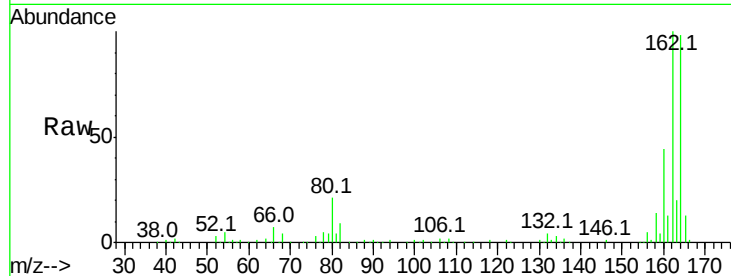




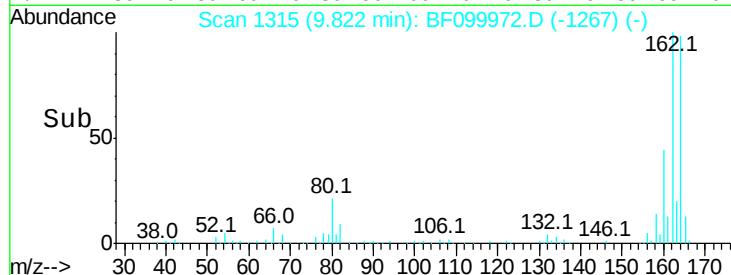
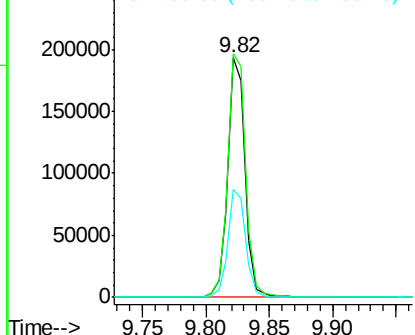
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF099972.D
Acq: 30 Oct 2017 20:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 181204
Ion Ratio Lower Upper
164 100
162 101.8 86.1 129.1
160 45.0 38.3 57.5

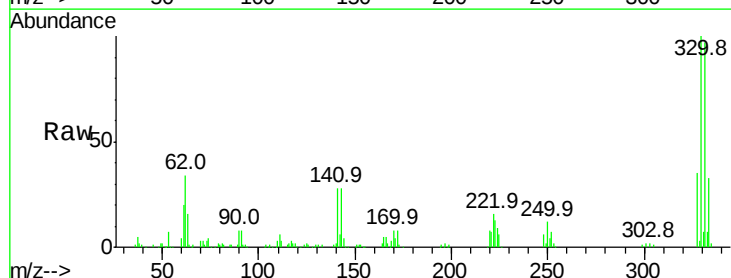


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

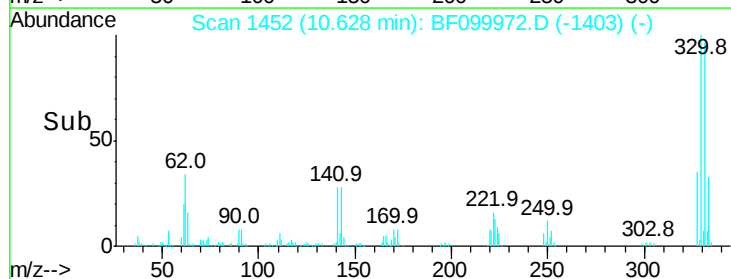
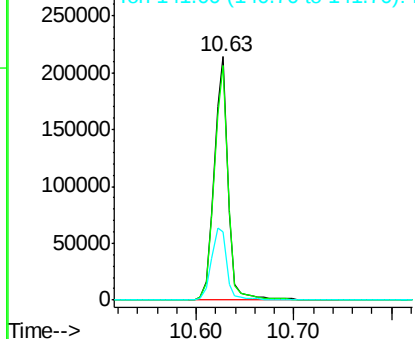


#41
2,4,6-Tribromophenol
Concen: 127.571 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF099972.D
Acq: 30 Oct 2017 20:46

Tgt Ion:330 Resp: 210663
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 33.2 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



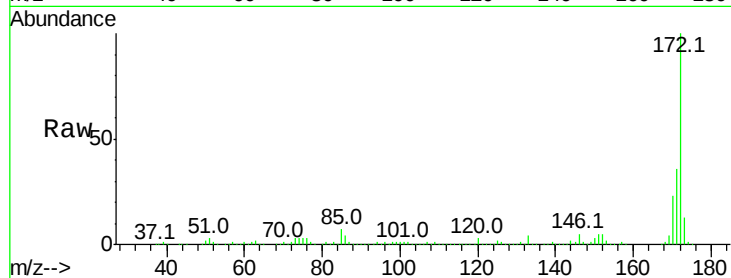


#44
 2-Fluorobiphenyl
 Concen: 99.771 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF099972.D
 Acq: 30 Oct 2017 20:46

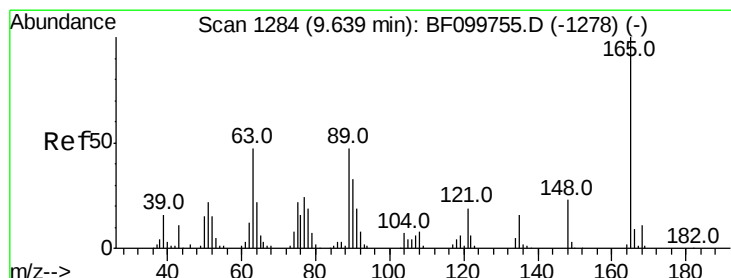
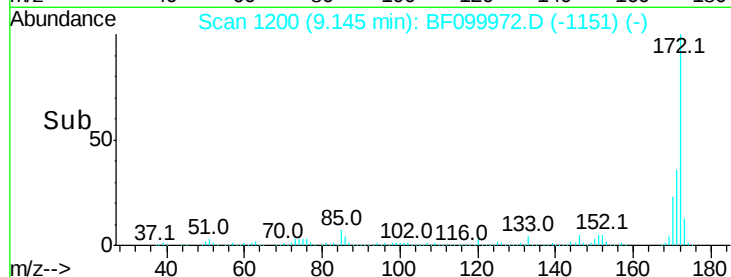
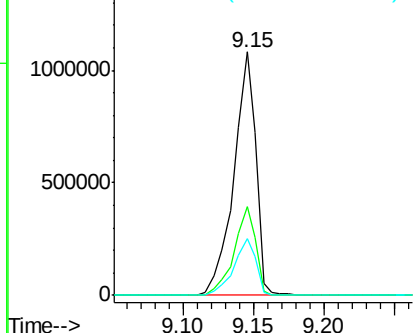
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1171799

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.2	19.6	29.4



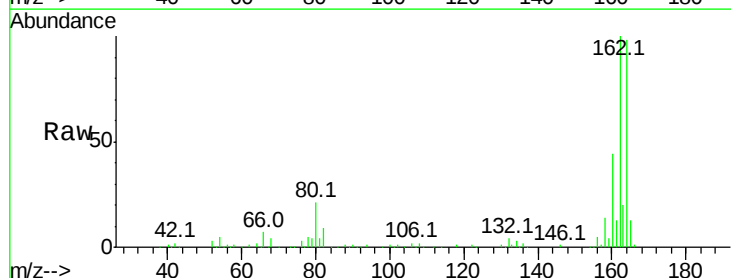
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



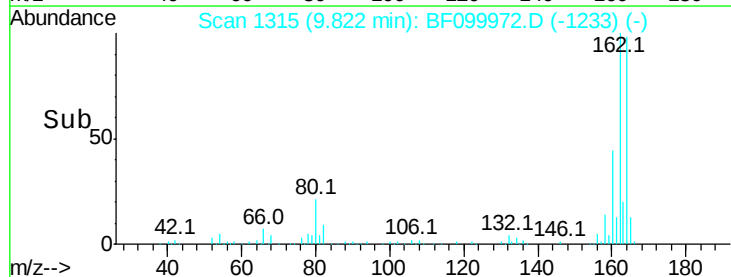
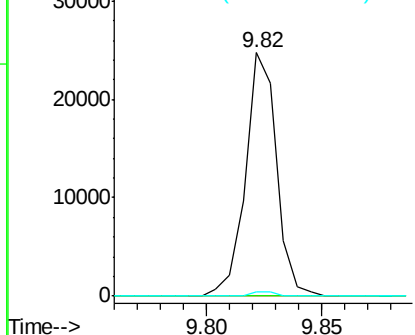
#50
 2,6-Dinitrotoluene
 Concen: 7.688 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.18 min
 Lab File: BF099972.D
 Acq: 30 Oct 2017 20:46

Tgt Ion:165 Resp: 23191

Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.6	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

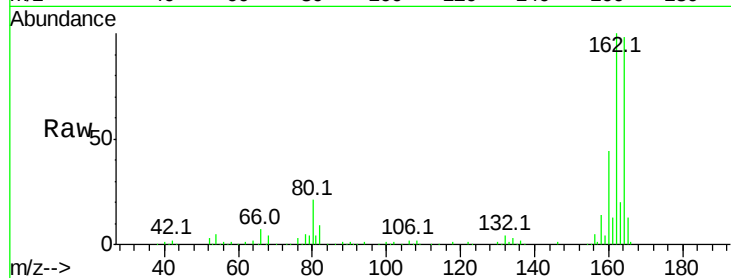




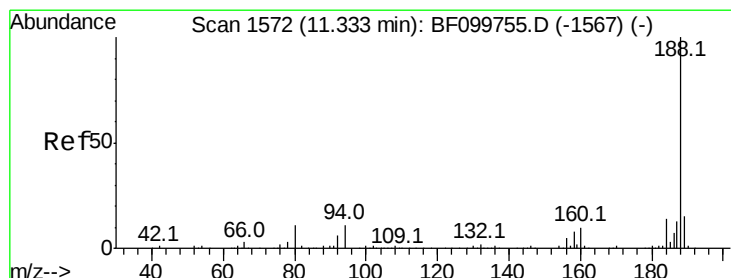
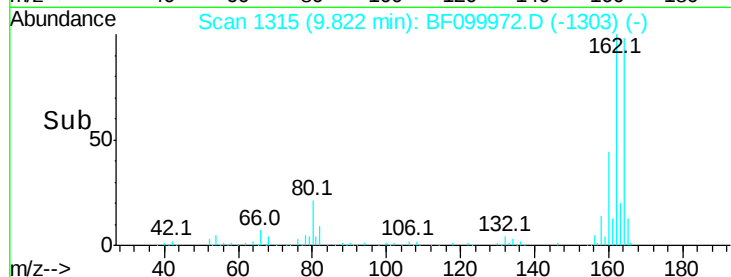
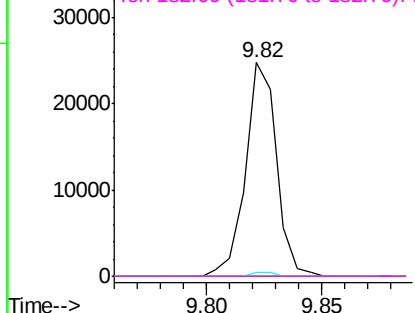
#56
 2,4-Dinitrotoluene
 Concen: 6.384 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.23 min
 Lab File: BF099972.D
 Acq: 30 Oct 2017 20:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 23191
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#

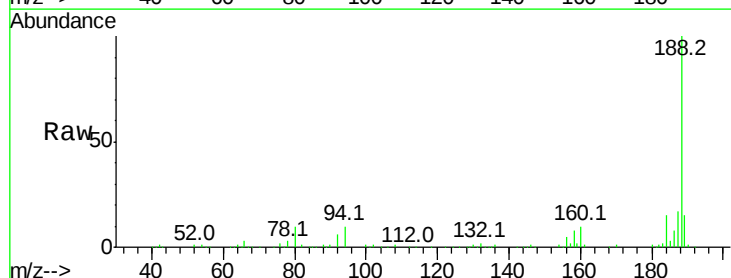


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

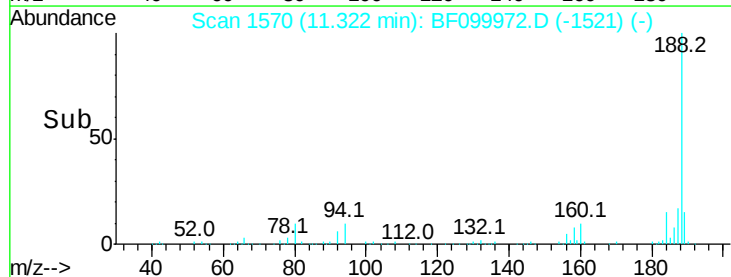
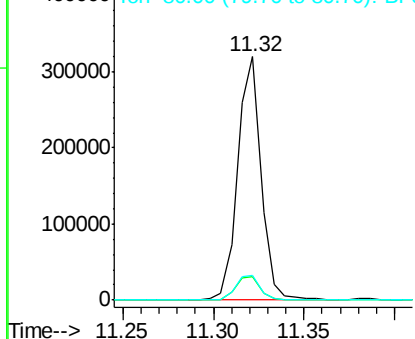


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF099972.D
 Acq: 30 Oct 2017 20:46

Tgt Ion:188 Resp: 287572
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 10.2 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

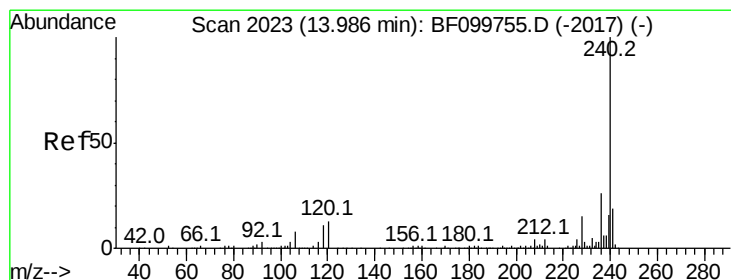
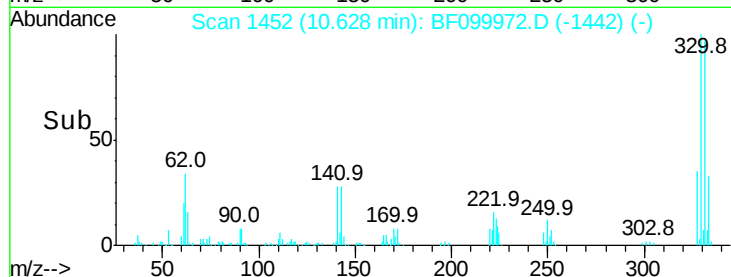
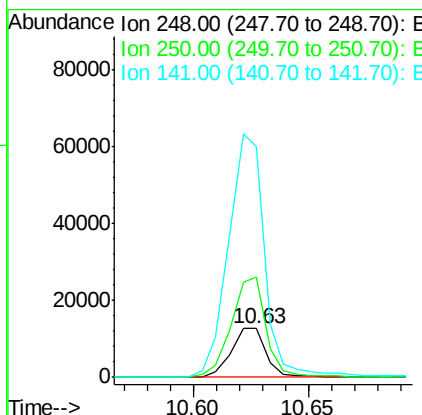
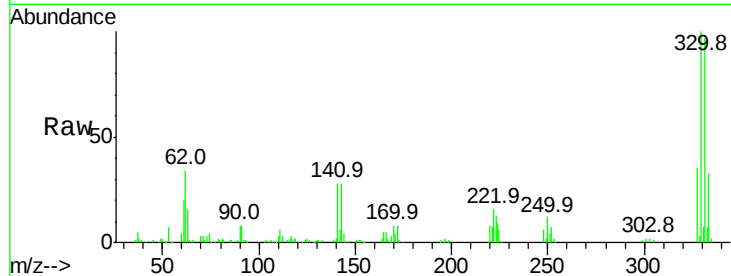




#66
 4-Bromophenyl-phenylether
 Concen: 4.422 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF099972.D
 Acq: 30 Oct 2017 20:46

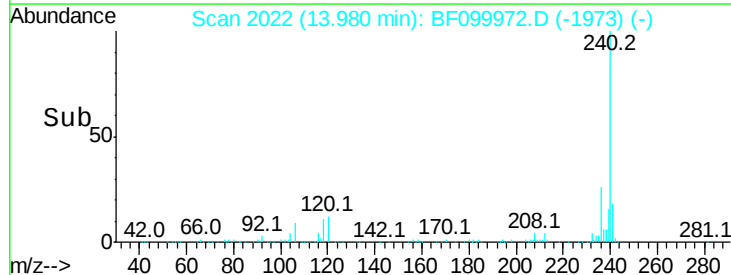
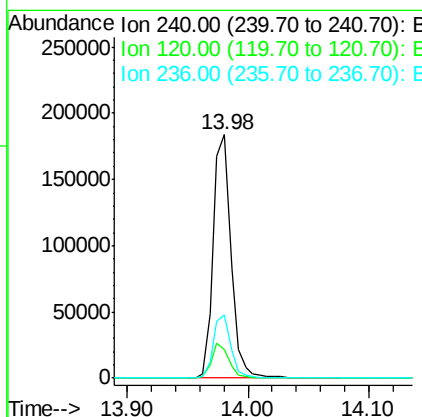
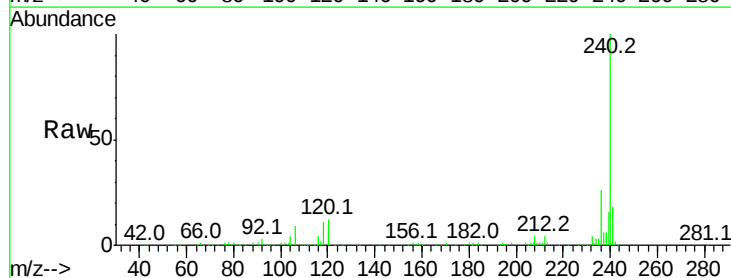
Instrument :
 BNA_F
 ClientSampleId :

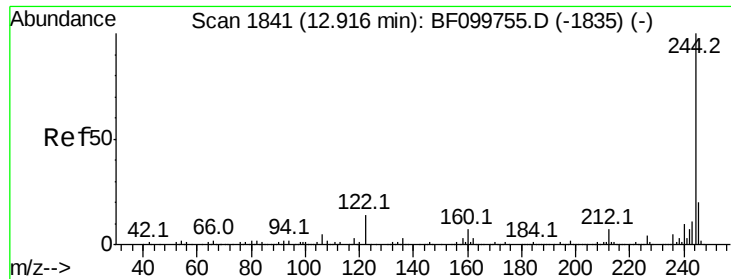
Tot Ion:248 Resp: 13386
 Ion Ratio Lower Upper
 248 100
 250 205.8 76.9 115.3#
 141 473.9 74.4 111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF099972.D
 Acq: 30 Oct 2017 20:46

Tgt Ion:240 Resp: 186263
 Ion Ratio Lower Upper
 240 100
 120 12.0 9.5 14.3
 236 25.8 20.7 31.1

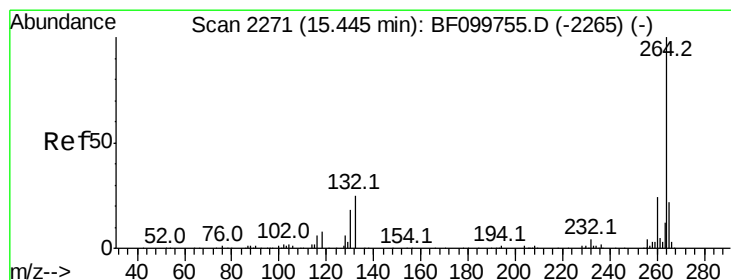
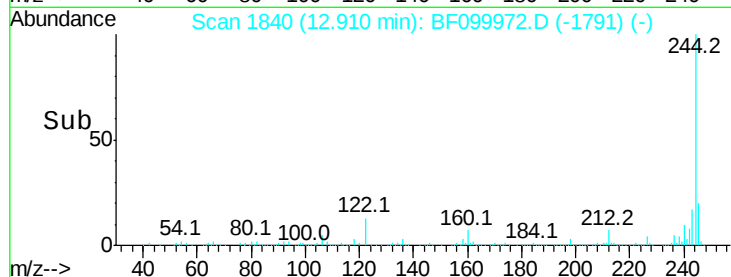
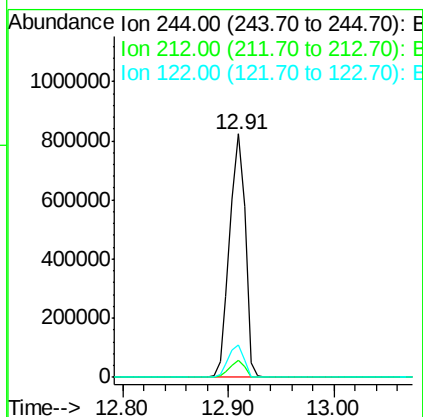
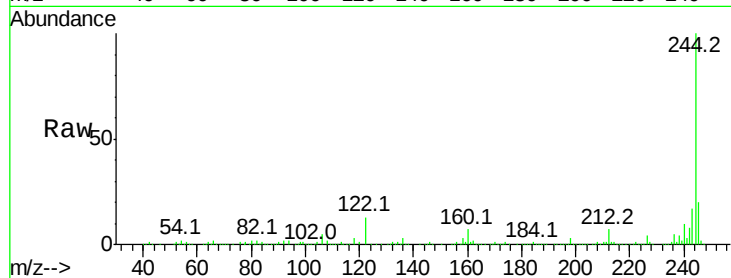




#78
 Terphenyl-d14
 Concen: 99.460 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF099972.D
 Acq: 30 Oct 2017 20:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 847717
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.3 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: BF099972.D
 Acq: 30 Oct 2017 20:46

Tgt Ion:264 Resp: 163830
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.3 17.5 26.3

