

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
 Data File : BF099727.D
 Acq On : 21 Oct 2017 14:59
 Operator : SJ/JU
 Sample : I5950-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 00:44:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

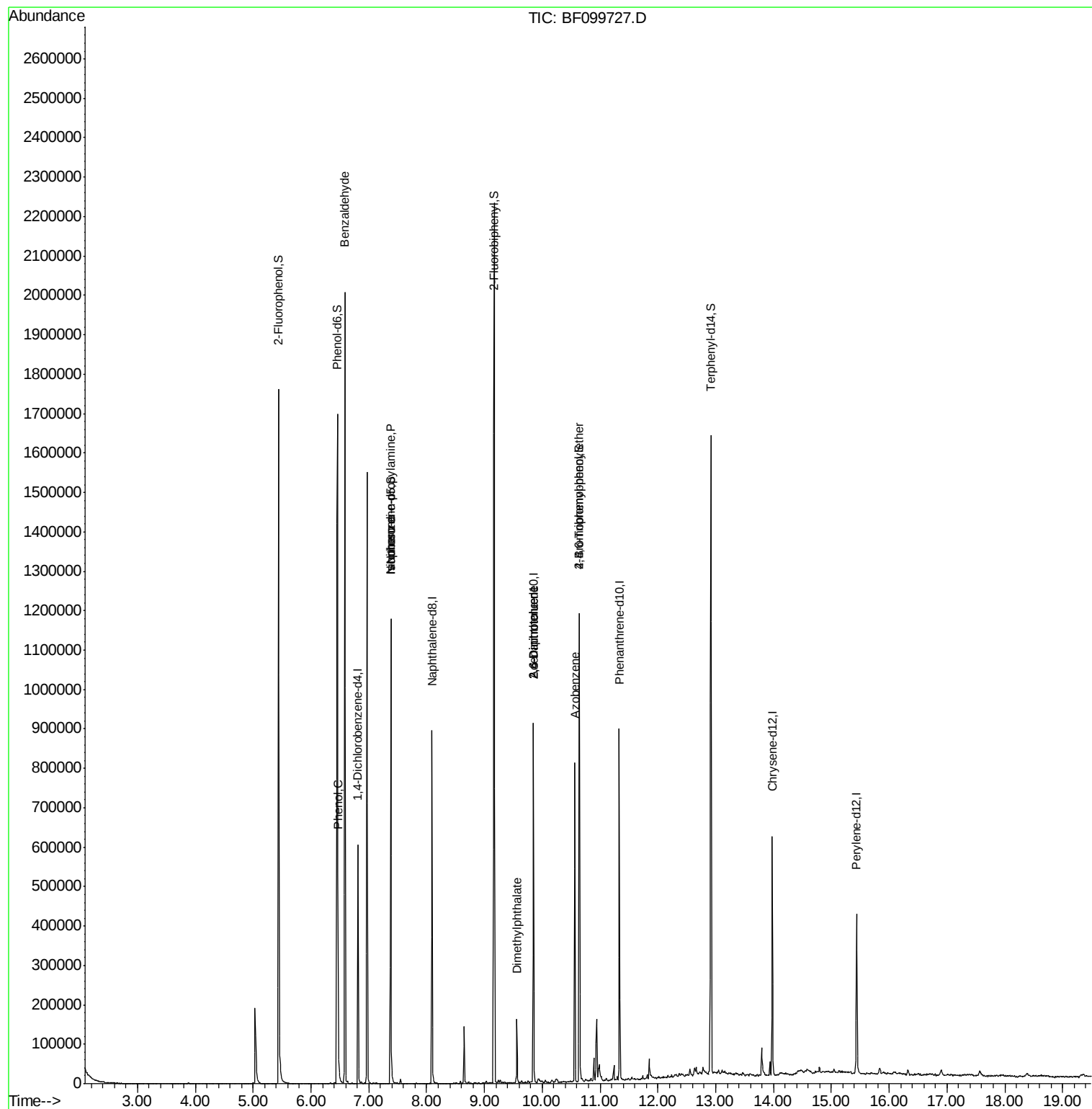
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	100786	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	412084	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	186844	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	322672	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	192179	20.00	ng	0.00
86) Perylene-d12	15.44	264	177641	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	563786	89.05	ng	0.00
7) Phenol-d6	6.46	99	675450	86.48	ng	0.00
23) Nitrobenzene-d5	7.38	82	388519	60.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	149133	97.54	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	695889	62.18	ng	0.00
78) Terphenyl-d14	12.92	244	506648	59.96	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	10699	2.362	ng	91
10) Phenol	6.47	94	22993	2.632	ng	96
19) n-Nitroso-di-n-propylamine	7.38	70	48280	9.682	ng	# 76
25) Isophorone	7.38	82	388519	29.244	ng	# 64
49) Dimethylphthalate	9.56	163	63647	4.513	ng	99
50) 2,6-Dinitrotoluene	9.85	165	24057	7.836	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	24057	6.038	ng	# 23
62) Azobenzene	10.56	77	126035	9.948	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	9715	3.076	ng	# 1

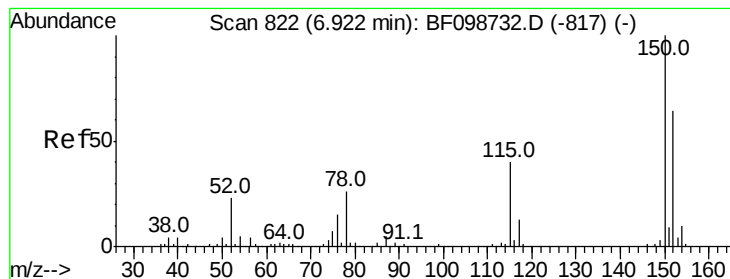
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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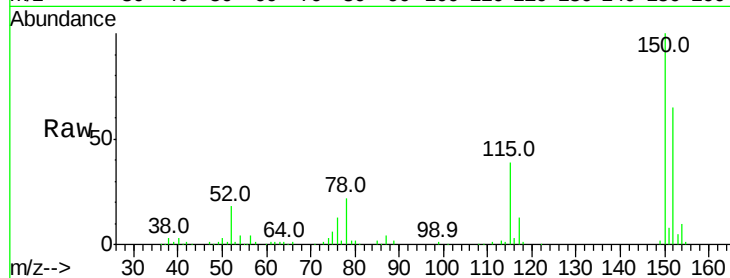


#1

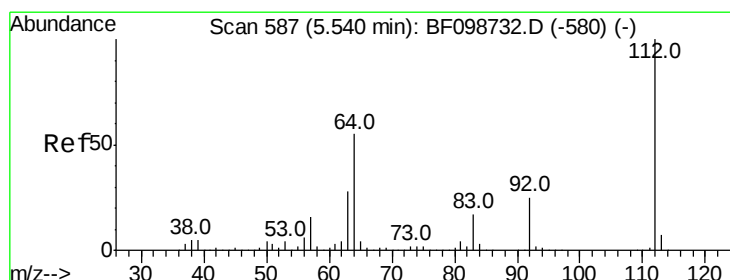
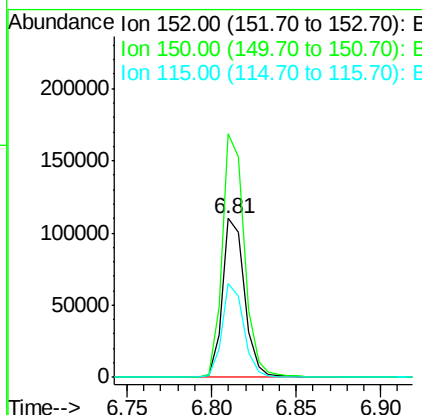
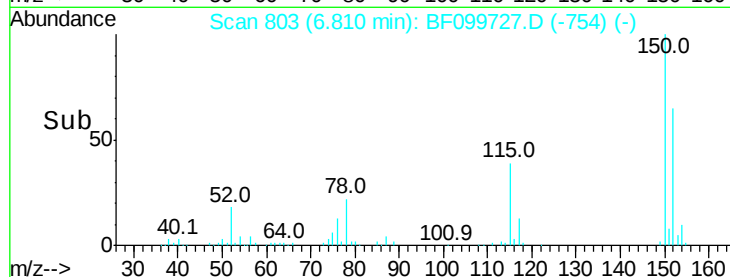
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF099727.D
 Acq: 21 Oct 2017 14:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 100786
 Ion Ratio Lower Upper
 152 100
 150 153.1 124.6 186.8
 115 59.4 50.1 75.1



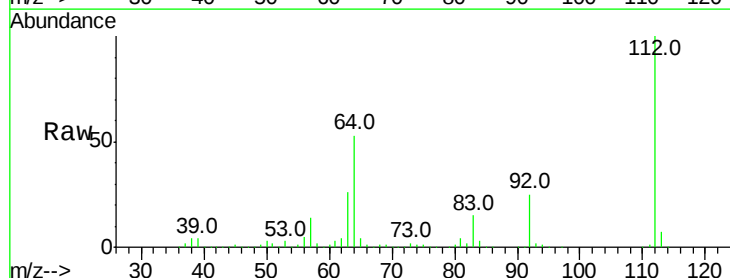
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



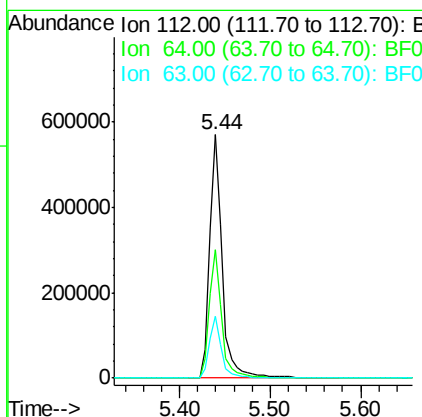
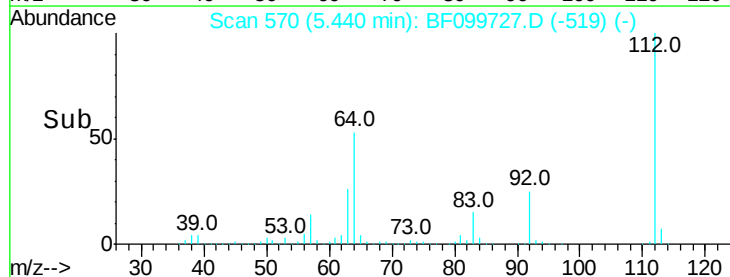
#5

2-Fluorophenol
 Concen: 89.049 ng
 RT: 5.44 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF099727.D
 Acq: 21 Oct 2017 14:59

Tgt Ion:112 Resp: 563786
 Ion Ratio Lower Upper
 112 100
 64 52.8 47.9 71.9
 63 25.6 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: 86.483 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF099727.D

Acq: 21 Oct 2017 14:59

Instrument :

BNA_F

ClientSampled :

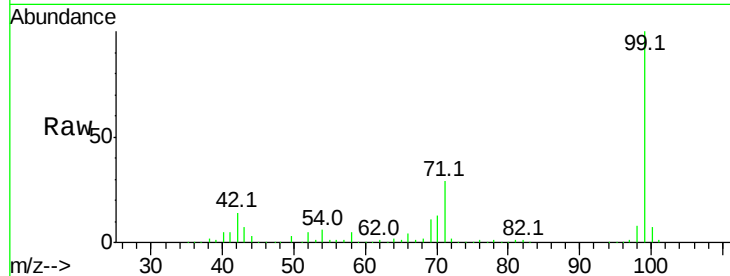
Tot Ion: 99 Resp: 675450

Ion Ratio Lower Upper

99 100

42 13.9 14.5 21.7#

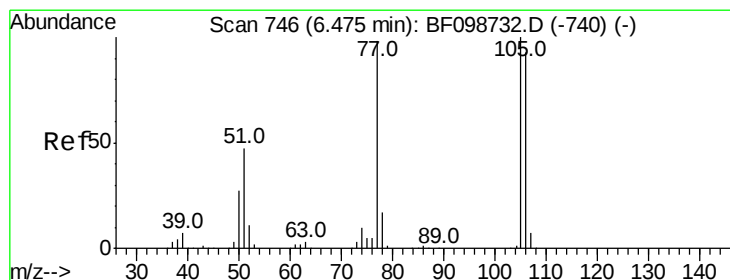
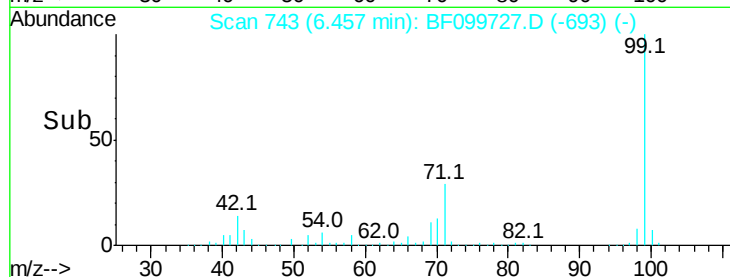
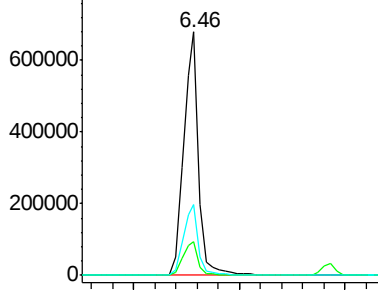
71 29.3 25.4 38.0



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: 2.362 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF099727.D

Acq: 21 Oct 2017 14:59

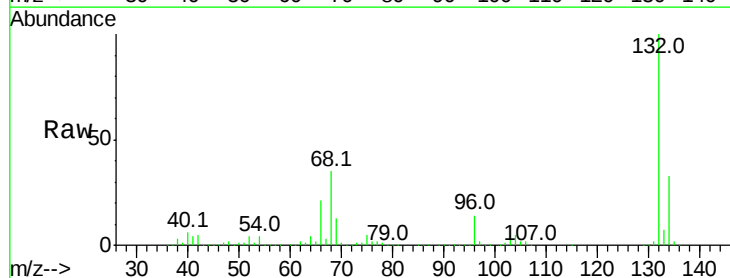
Tgt Ion: 77 Resp: 10699

Ion Ratio Lower Upper

77 100

105 88.4 81.1 121.1

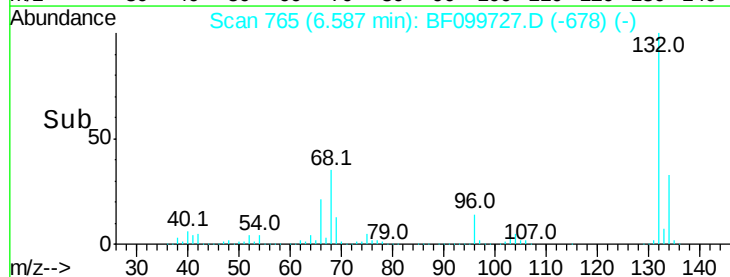
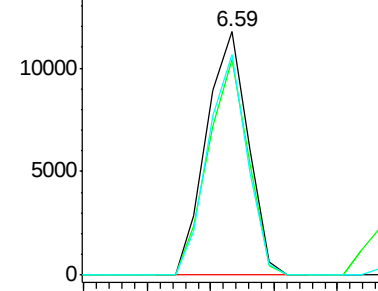
106 90.4 74.5 114.5

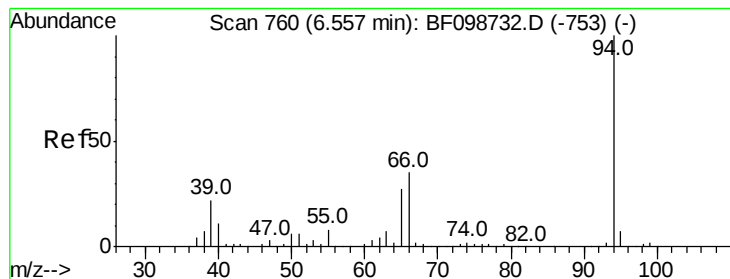


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.632 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099727.D

Acq: 21 Oct 2017 14:59

Instrument :

BNA_F

ClientSampled :

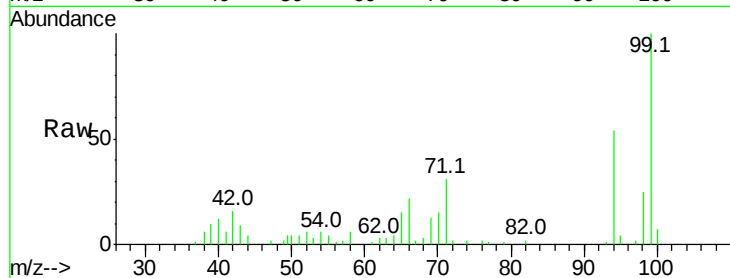
Tot Ion: 94 Resp: 22993

Ion Ratio Lower Upper

94 100

65 28.0 7.9 47.9

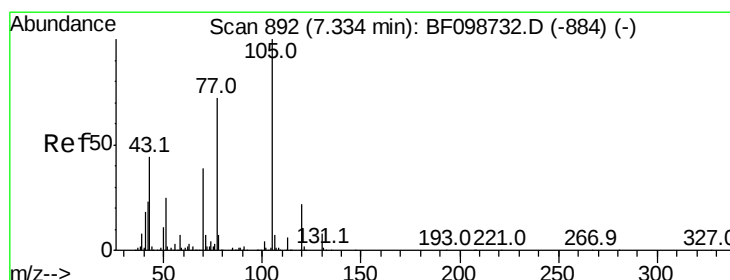
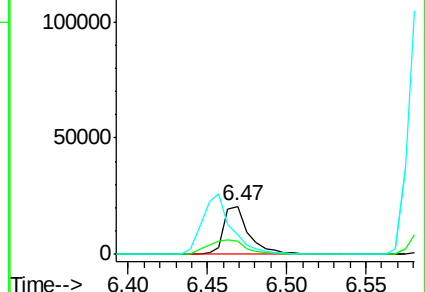
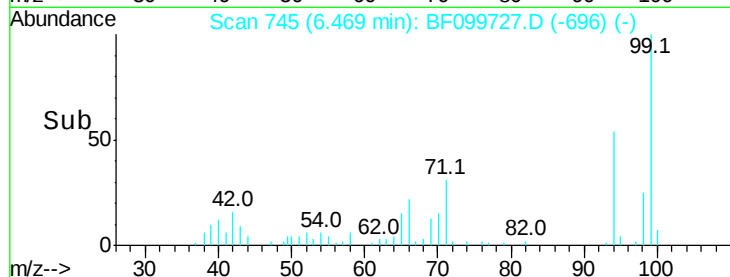
66 40.2 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 9.682 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF099727.D

Acq: 21 Oct 2017 14:59

Tgt Ion: 70 Resp: 48280

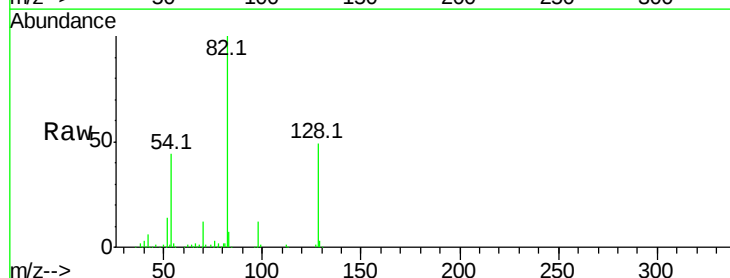
Ion Ratio Lower Upper

70 100

42 45.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

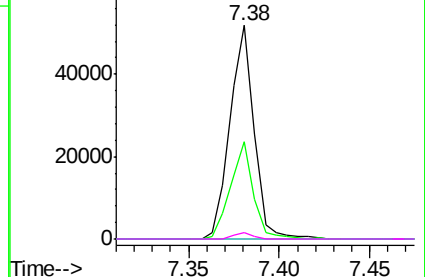
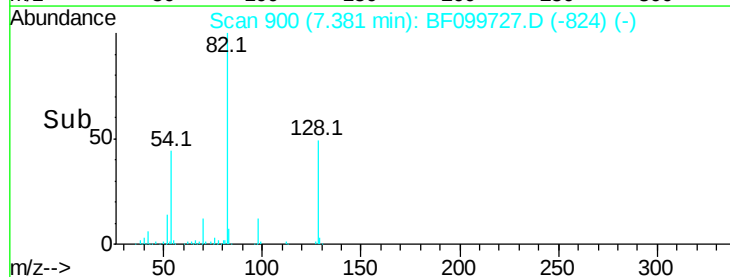


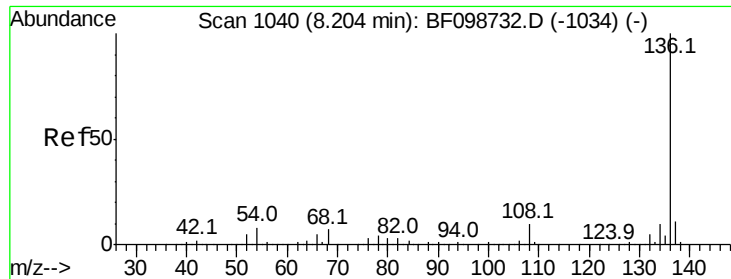
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

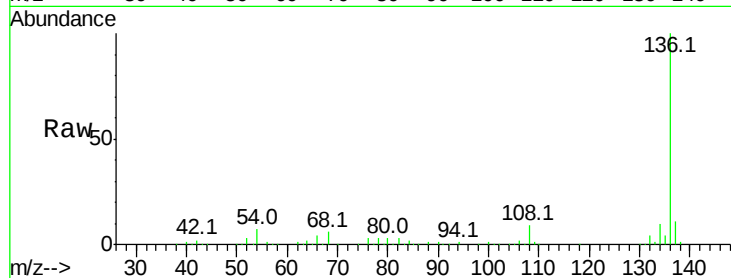




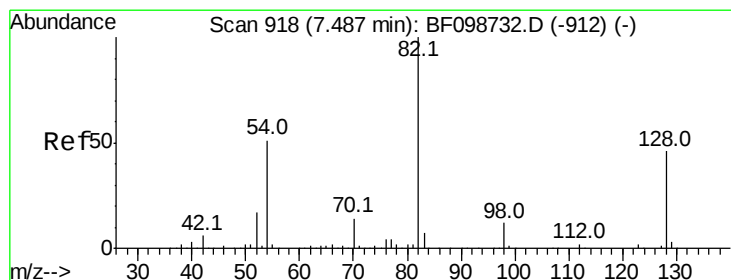
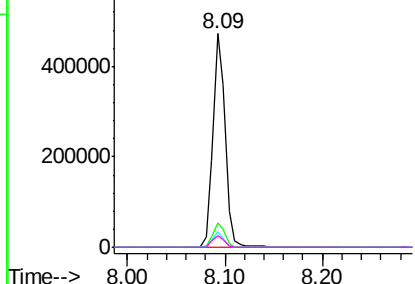
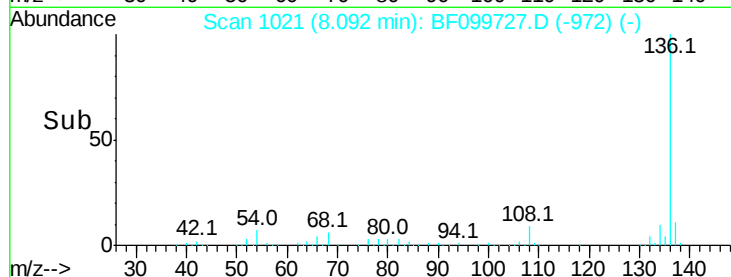
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099727.D
Acq: 21 Oct 2017 14:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	412084
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.0	6.6	9.8
68	5.7	5.0	7.4

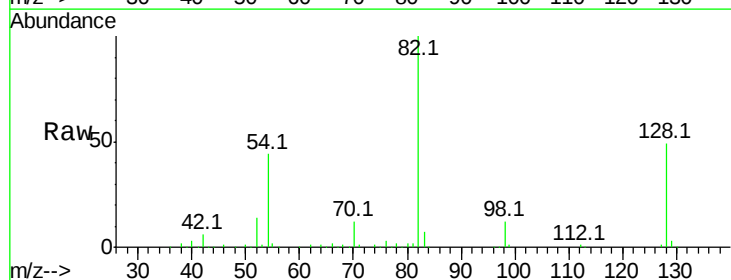


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

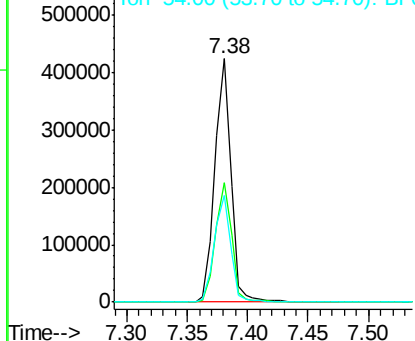
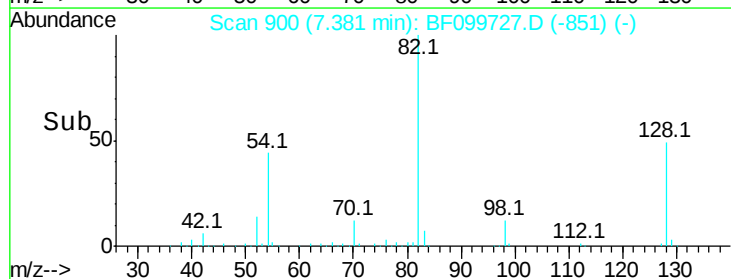


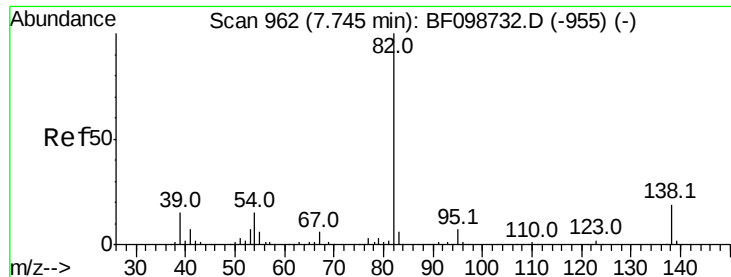
#23
Nitrobenzene-d5
Concen: 60.463 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF099727.D
Acq: 21 Oct 2017 14:59

Tgt Ion:	82	Resp:	388519
Ion	Ratio	Lower	Upper
82	100		
128	49.2	36.1	54.1
54	43.8	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: 29.244 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF099727.D

Acq: 21 Oct 2017 14:59

Instrument :

BNA_F

ClientSampled :

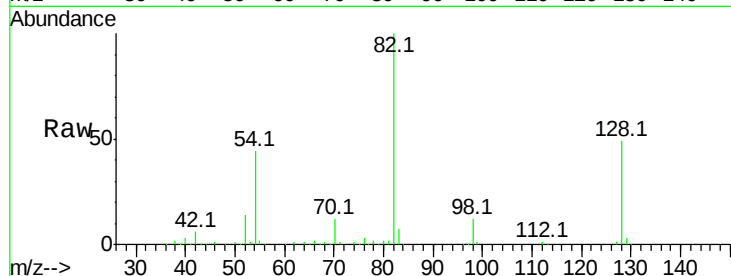
Tot Ion: 82 Resp: 388519

Ion Ratio Lower Upper

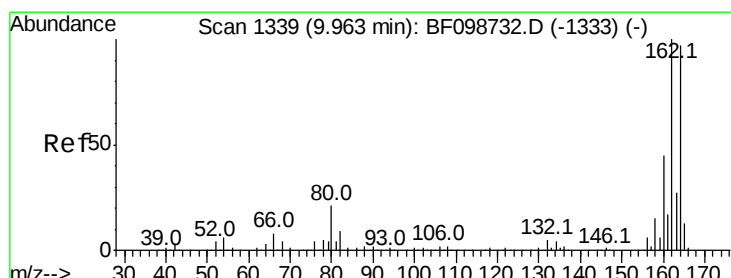
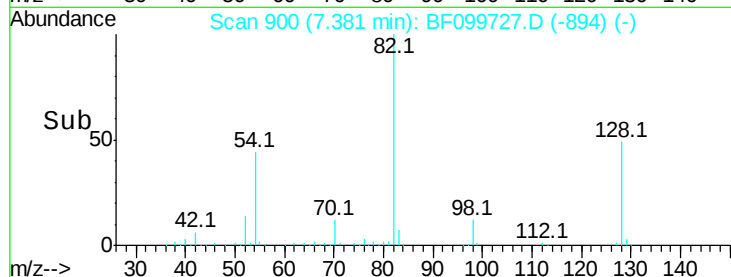
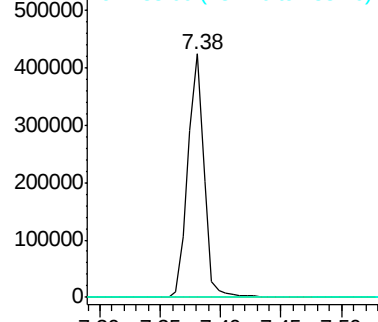
82 100

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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF099727.D

Acq: 21 Oct 2017 14:59

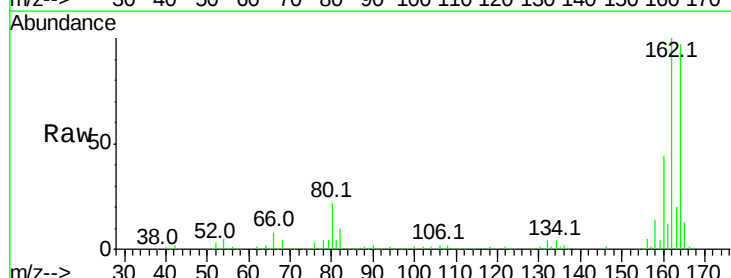
Tgt Ion:164 Resp: 186844

Ion Ratio Lower Upper

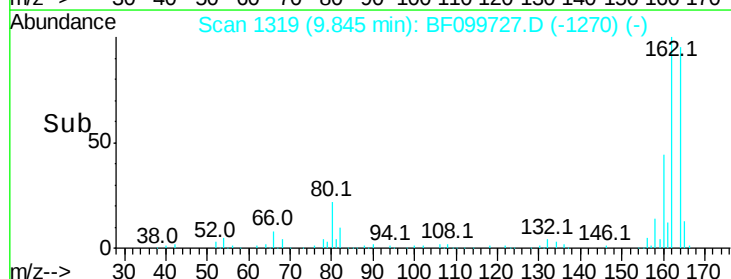
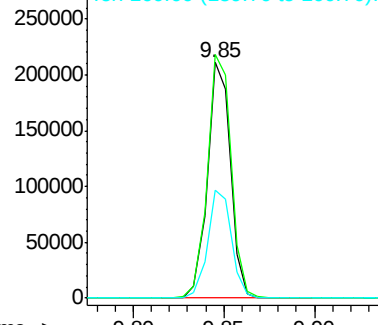
164 100

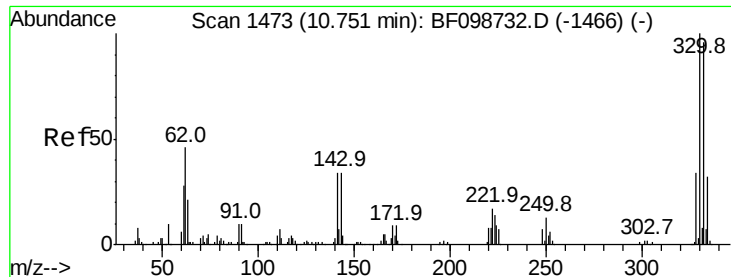
162 103.2 86.1 129.1

160 45.7 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

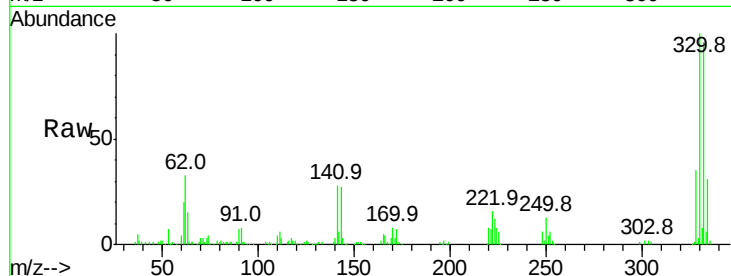




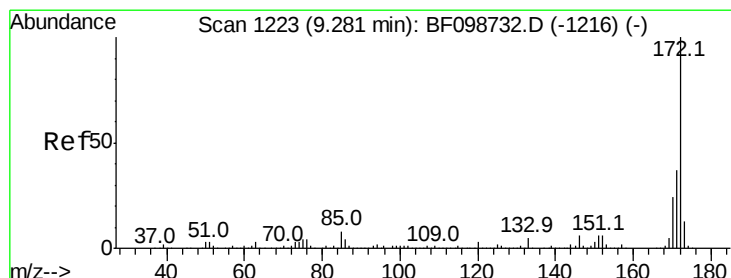
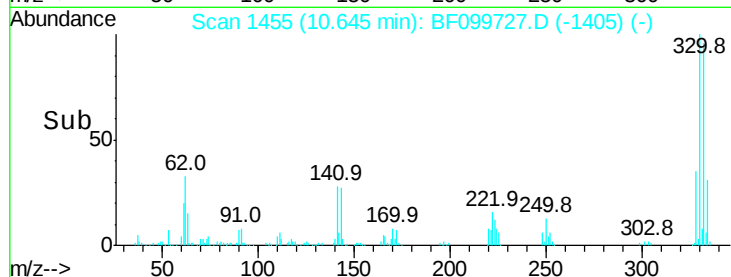
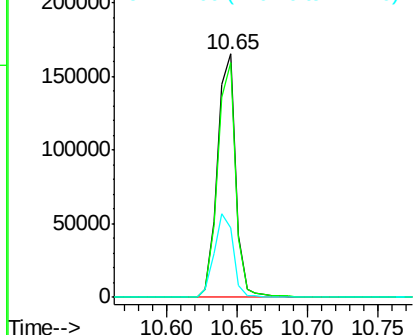
#41
 2,4,6-Tribromophenol
 Concen: 97.543 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BF099727.D
 Acq: 21 Oct 2017 14:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	35.5	29.9	44.9

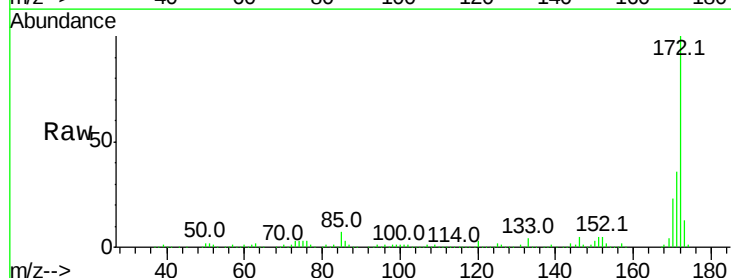


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

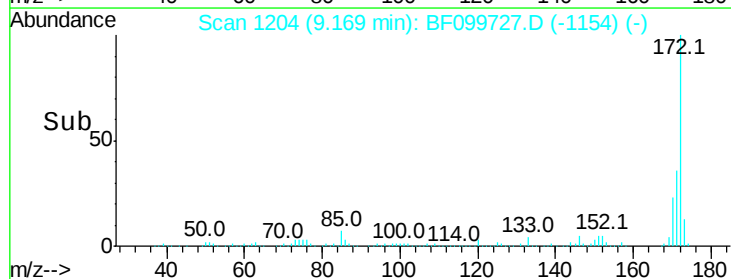
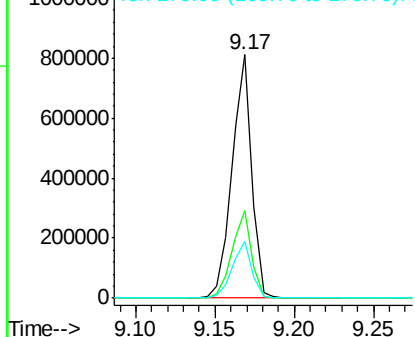


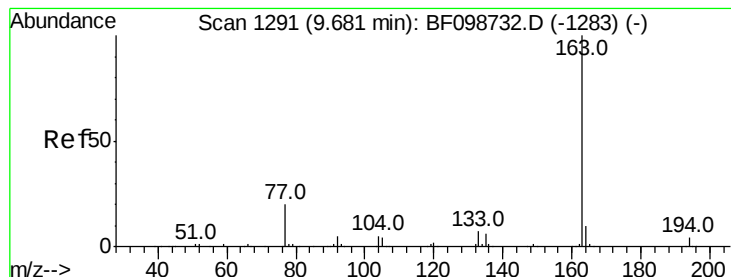
#44
 2-Fluorobiphenyl
 Concen: 62.176 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF099727.D
 Acq: 21 Oct 2017 14:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	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





#49

Dimethylphthalate

Concen: 4.513 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF099727.D

Acq: 21 Oct 2017 14:59

Instrument :

BNA_F

ClientSampleId :

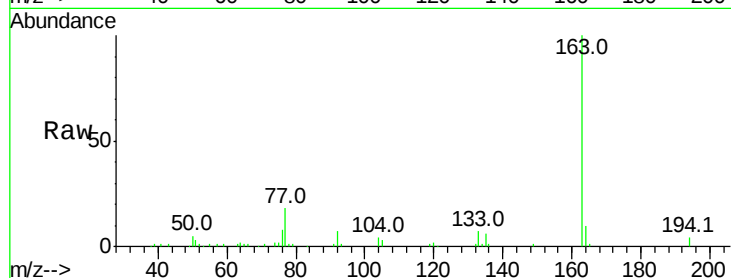
Tot Ion:163 Resp: 63647

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

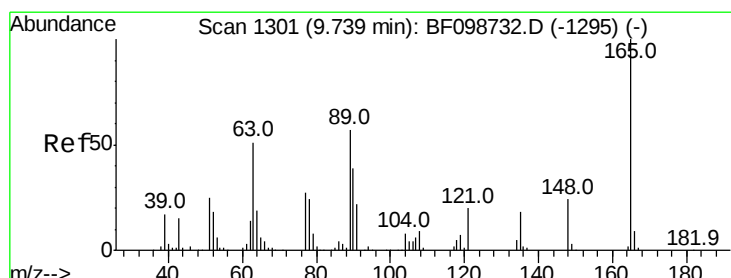
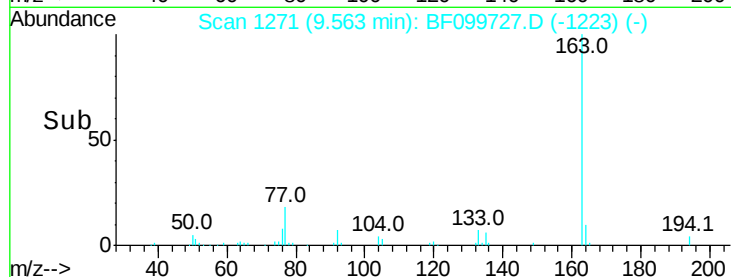
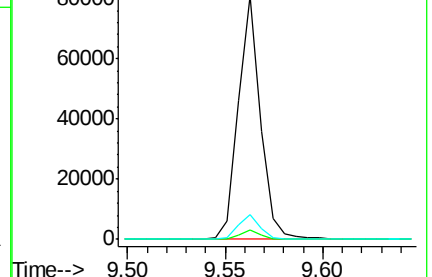
164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.836 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.19 min

Lab File: BF099727.D

Acq: 21 Oct 2017 14:59

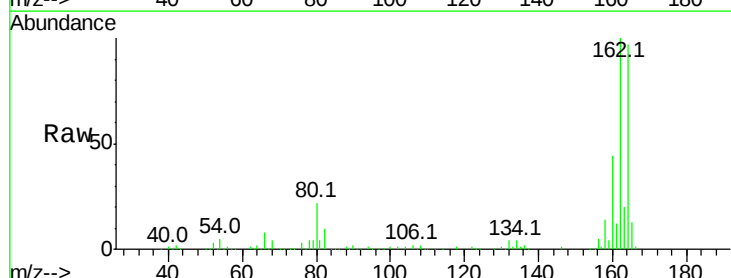
Tgt Ion:165 Resp: 24057

Ion Ratio Lower Upper

165 100

63 1.2 44.7 67.1#

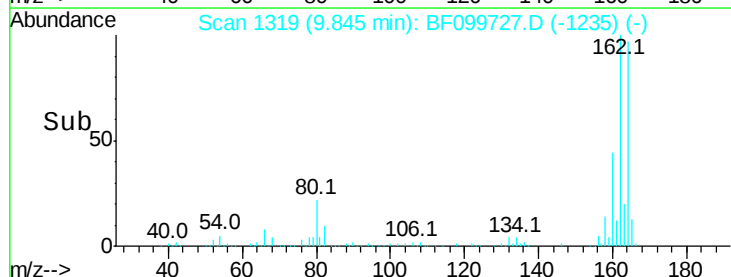
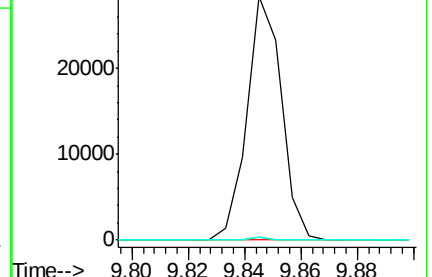
89 1.1 44.0 66.0#

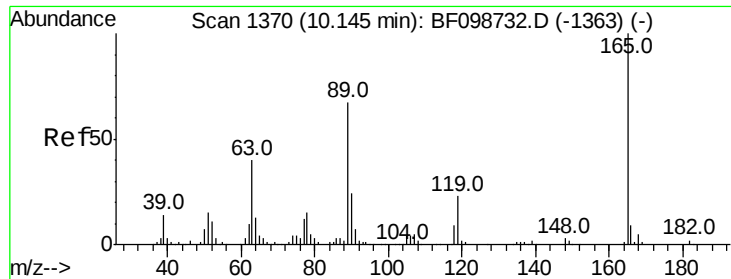


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

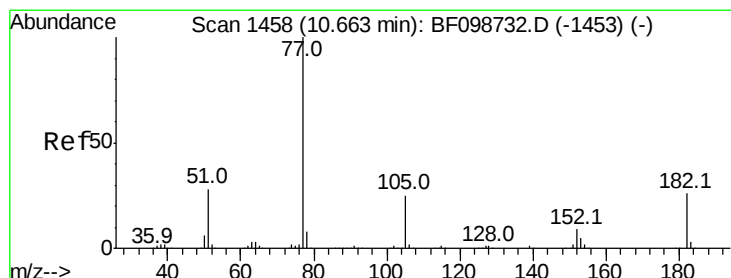
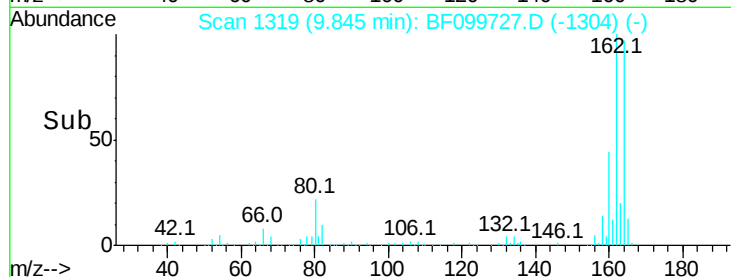
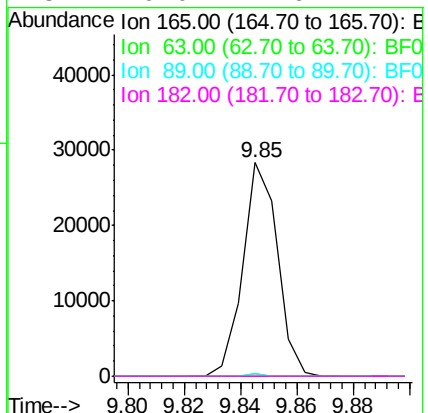
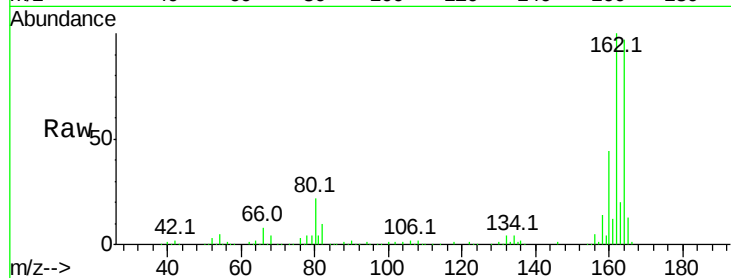




#56
 2,4-Dinitrotoluene
 Concen: 6.038 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF099727.D
 Acq: 21 Oct 2017 14:59

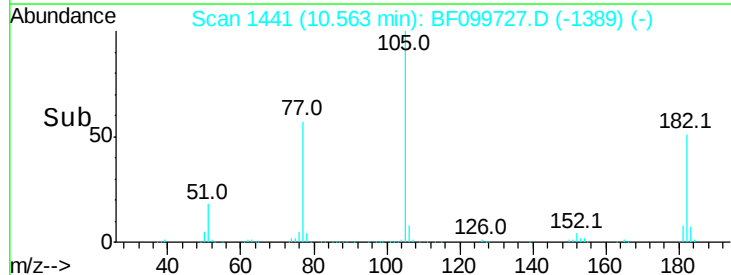
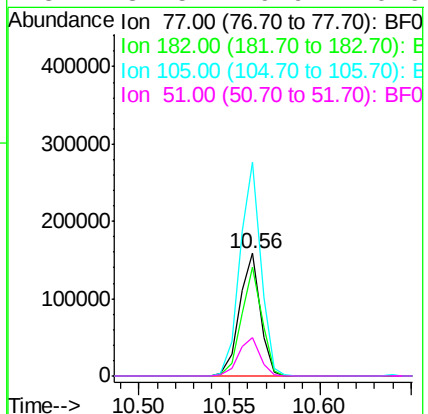
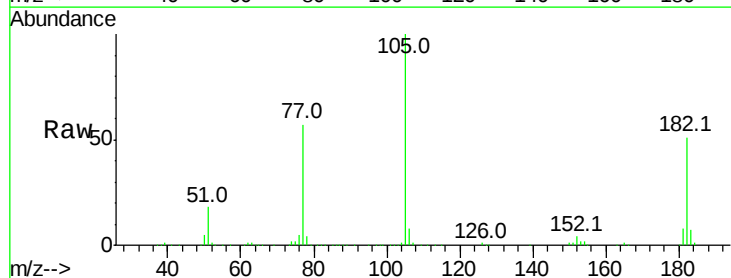
Instrument :
 BNA_F
 ClientSampleId :

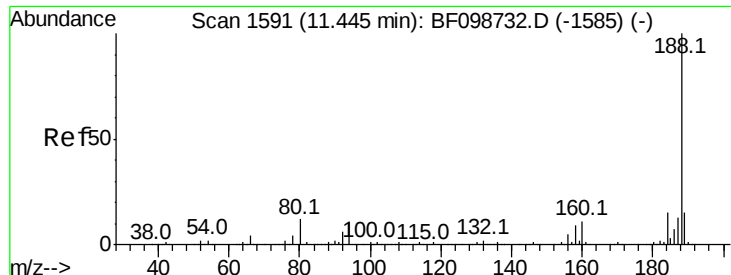
Tot Ion:	165	Resp:	24057
Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 9.948 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF099727.D
 Acq: 21 Oct 2017 14:59

Tgt Ion:	77	Resp:	126035
Ion	Ratio	Lower	Upper
77	100		
182	88.8	1.7	41.7#
105	174.1	3.0	43.0#
51	31.5	9.9	49.9

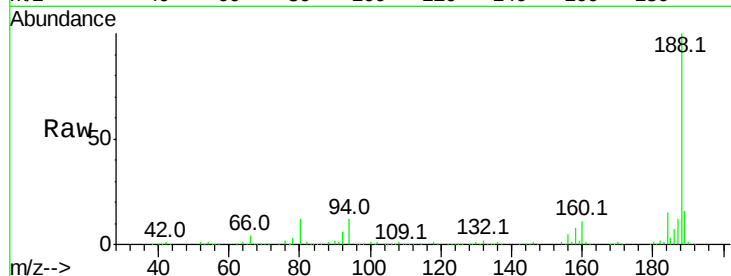




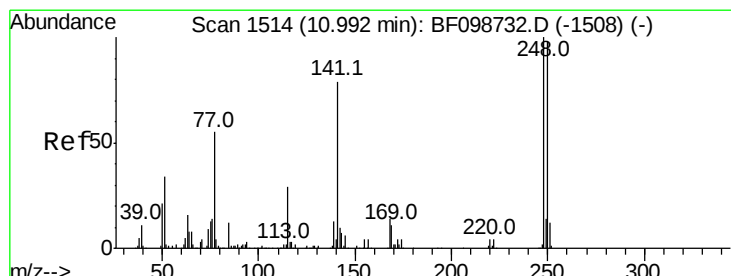
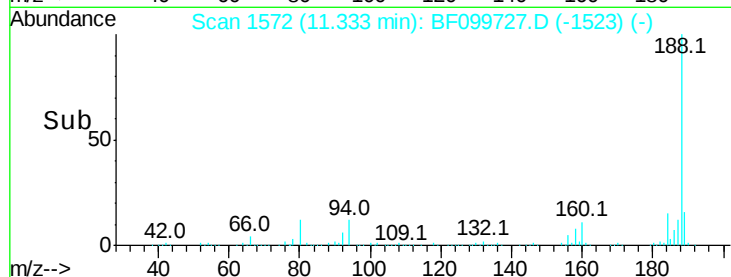
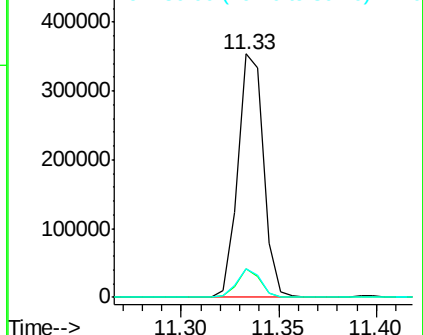
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF099727.D
Acq: 21 Oct 2017 14:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 322672
Ion Ratio Lower Upper
188 100
94 11.8 8.5 12.7
80 12.0 9.2 13.8

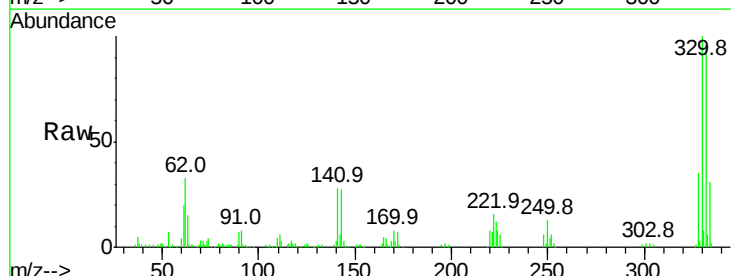


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

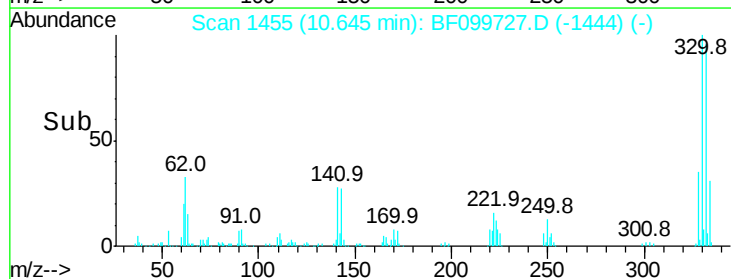
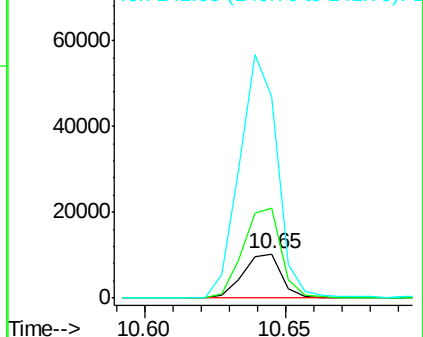


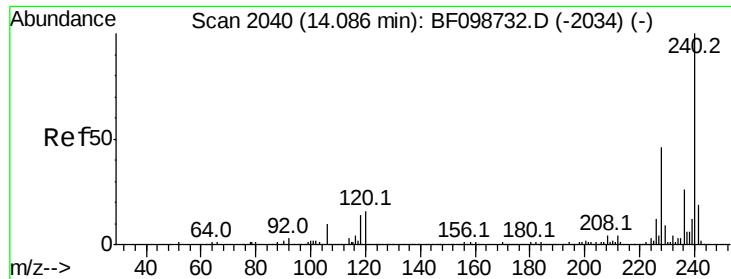
#66
4-Bromophenyl-phenylether
Concen: 3.076 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF099727.D
Acq: 21 Oct 2017 14:59

Tgt Ion:248 Resp: 9715
Ion Ratio Lower Upper
248 100
250 200.7 76.9 115.3#
141 452.9 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: BF099727.D

Acq: 21 Oct 2017 14:59

Instrument :

BNA_F

ClientSampleId :

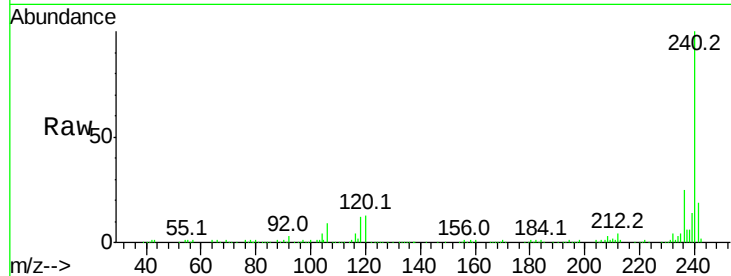
Tot Ion:240 Resp: 192179

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

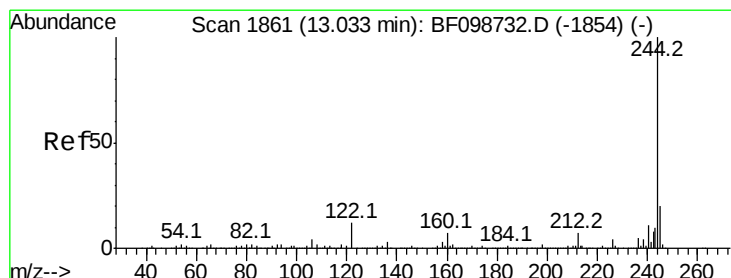
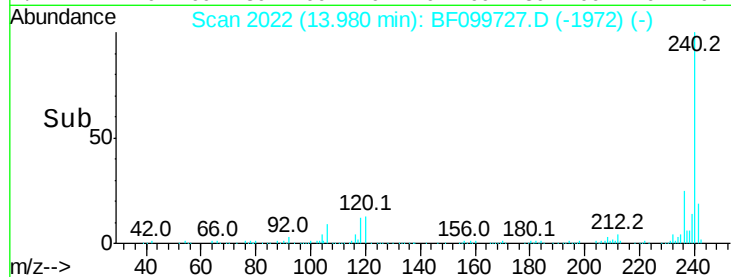
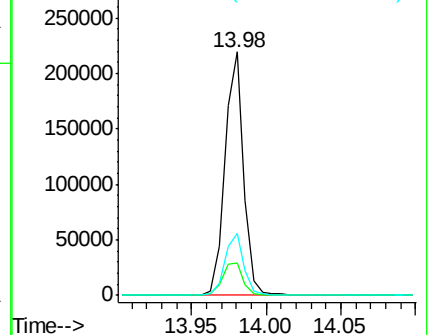
236 25.3 20.7 31.1



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: 59.956 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099727.D

Acq: 21 Oct 2017 14:59

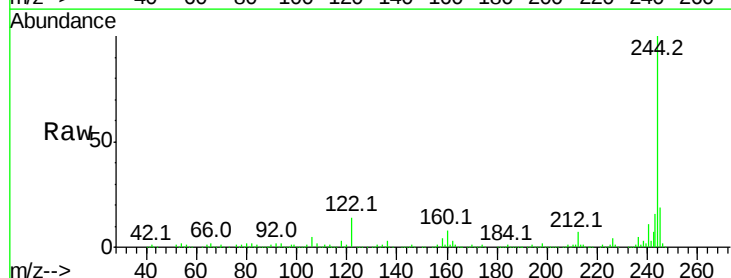
Tgt Ion:244 Resp: 506648

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

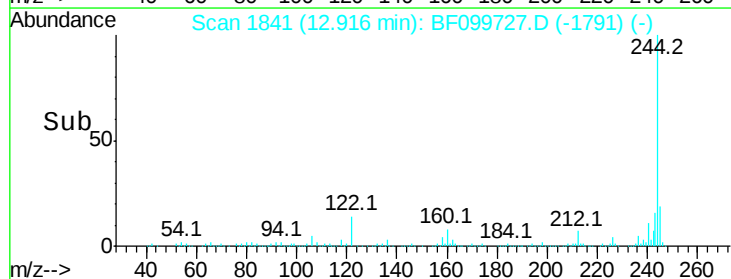
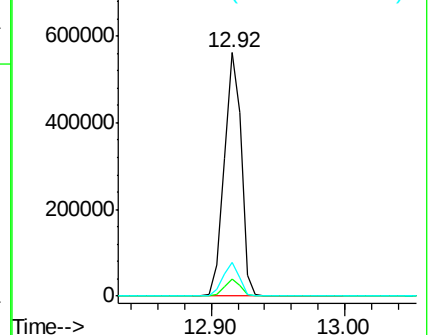
122 13.7 11.0 16.4

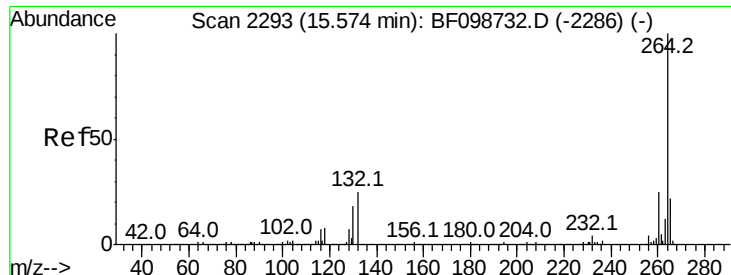


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

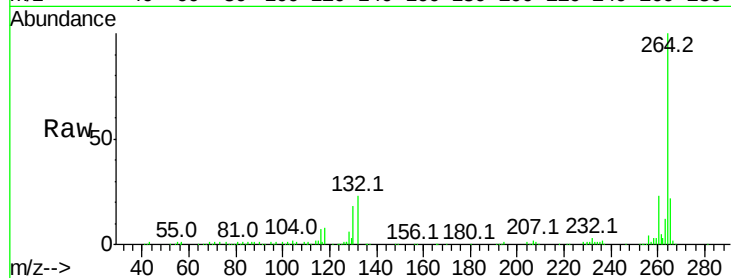




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: BF099727.D
 Acq: 21 Oct 2017 14:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.8	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

