

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110317\
 Data File : BF100146.D
 Acq On : 3 Nov 2017 20:32
 Operator : SJ/JU
 Sample : I6081-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 23:14:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

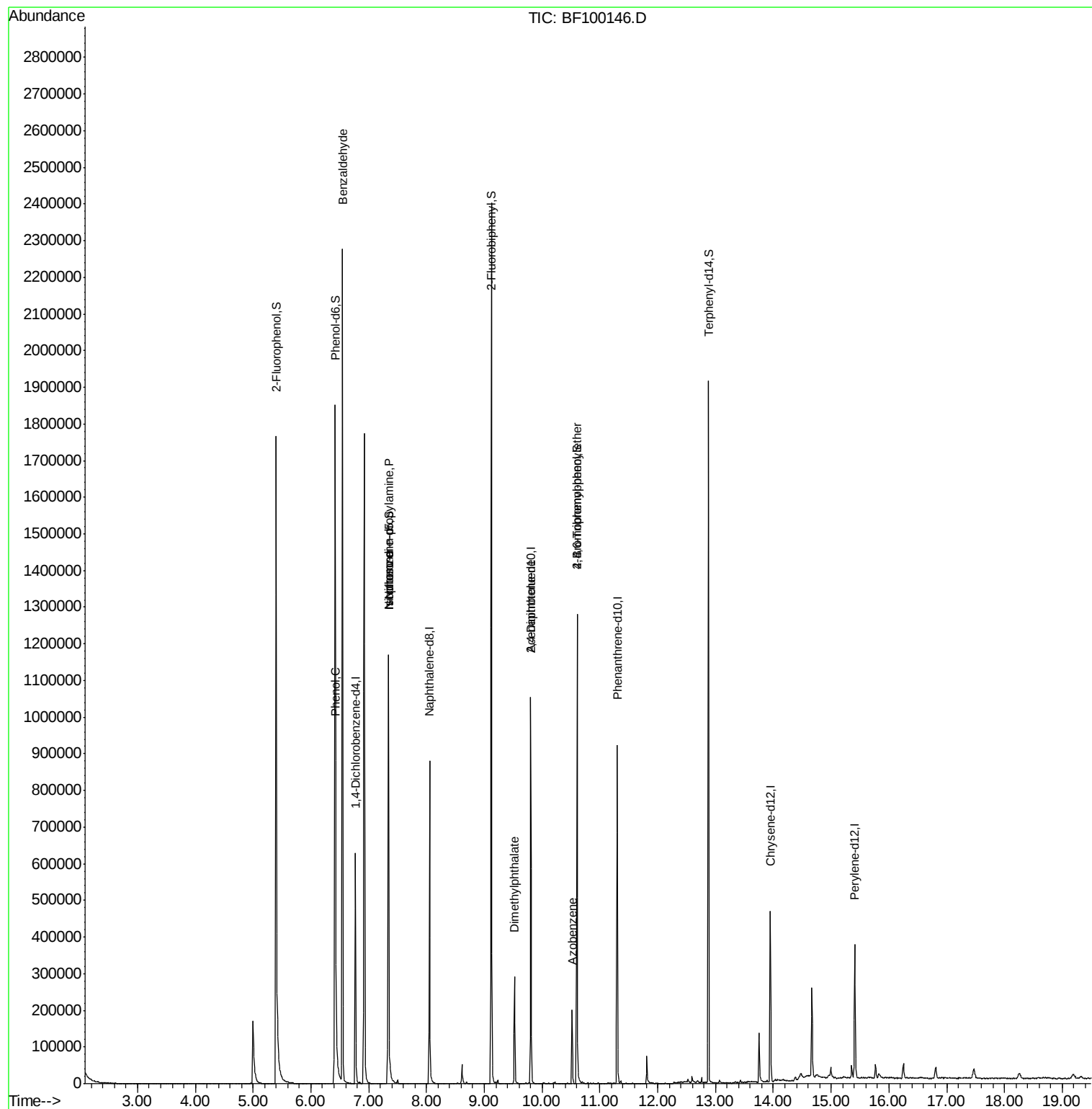
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	110179	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	464926	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	205920	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	335144	20.00	ng	0.00
75) Chrysene-d12	13.95	240	171498	20.00	ng	0.00
86) Perylene-d12	15.41	264	175188	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	707764	100.85	ng	0.00
7) Phenol-d6	6.42	99	845567	101.61	ng	0.00
23) Nitrobenzene-d5	7.34	82	482899	66.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	167831	89.43	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	863566	64.70	ng	0.00
78) Terphenyl-d14	12.88	244	628813	80.13	ng	0.00
Target Compounds						
9) Benzaldehyde	6.55	77	12146	2.443	ng	91
10) Phenol	6.43	94	51875	5.678	ng	97
19) n-Nitroso-di-n-propylamine	7.34	70	59773	12.257	ng	# 71
25) Isophorone	7.34	82	482899	36.851	ng	# 64
49) Dimethylphthalate	9.52	163	129262	7.927	ng	98
56) 2,4-Dinitrotoluene	9.80	165	26113	6.325	ng	# 23
62) Azobenzene	10.52	77	34349	2.573	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	11067	3.137	ng	# 1

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

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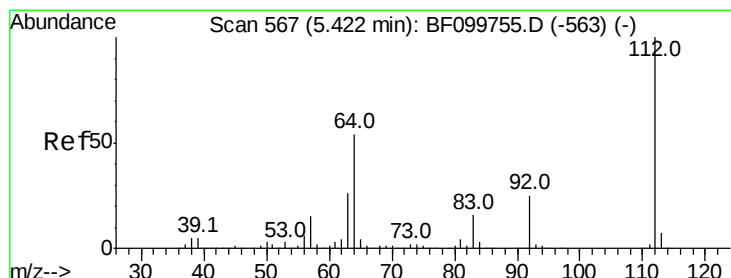
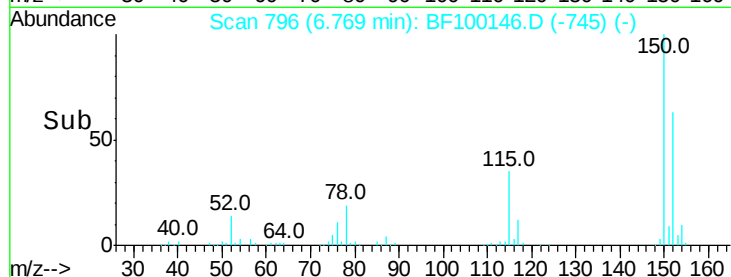
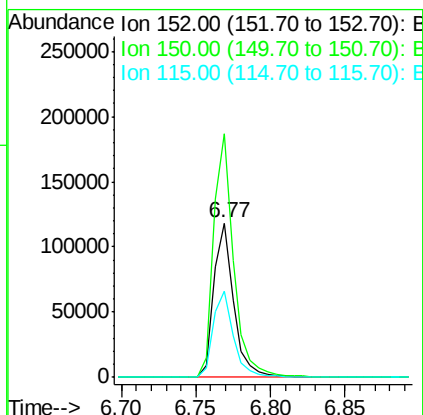
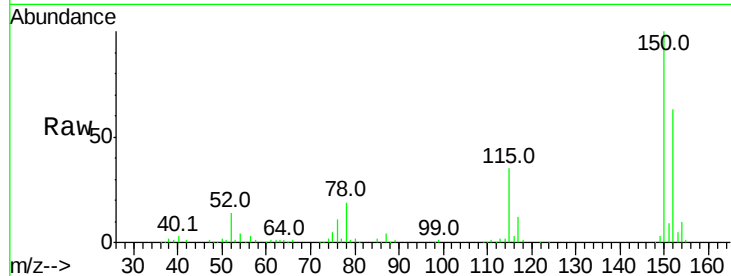


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF100146.D
Acq: 3 Nov 2017 20:32

Instrument :
BNA_F
ClientSampled :

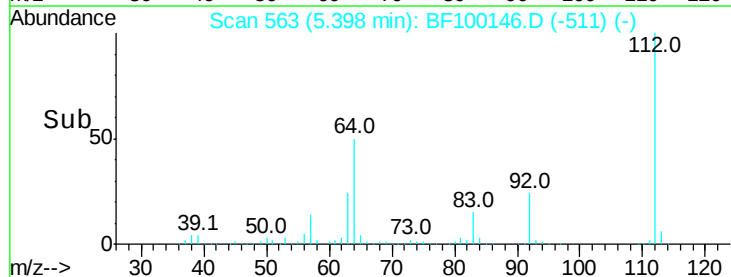
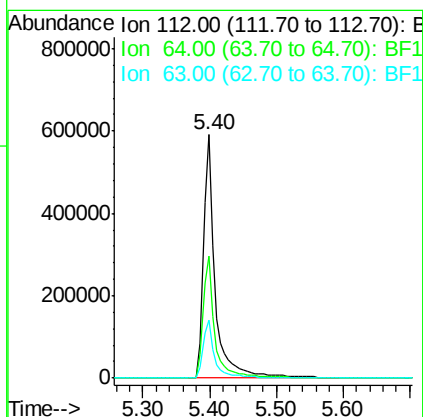
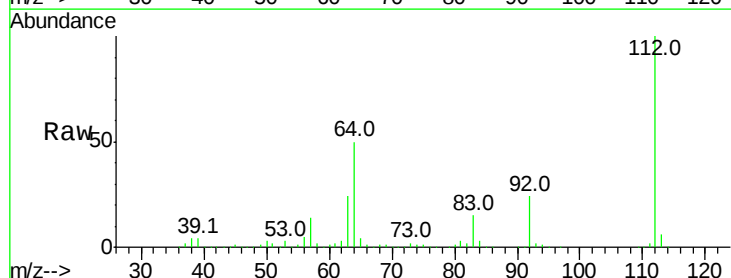
Tot Ion:152 Resp: 110179
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 55.9 50.1 75.1

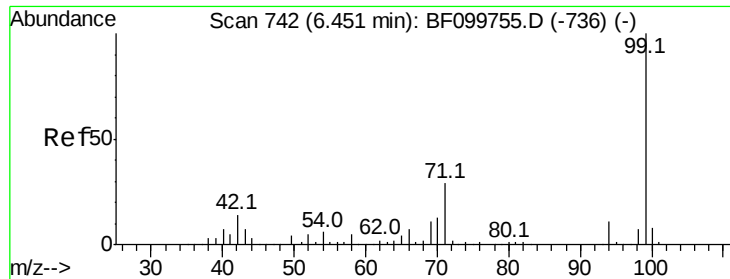


#5

2-Fluorophenol
Concen: 100.851 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF100146.D
Acq: 3 Nov 2017 20:32

Tgt Ion:112 Resp: 707764
Ion Ratio Lower Upper
112 100
64 50.3 47.9 71.9
63 23.6 23.7 35.5#





#7

Phenol-d6

Concen: 101.615 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF100146.D

Acq: 3 Nov 2017 20:32

Instrument :

BNA_F

ClientSampled :

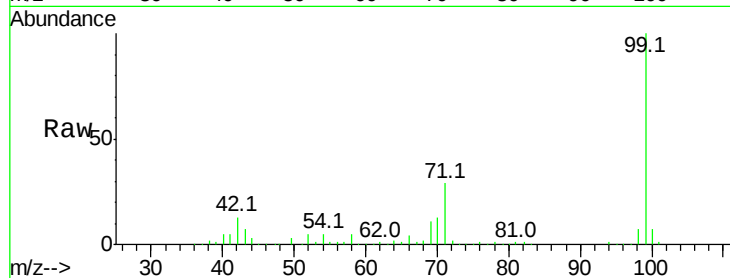
Tot Ion: 99 Resp: 845567

Ion Ratio Lower Upper

99 100

42 13.4 14.5 21.7#

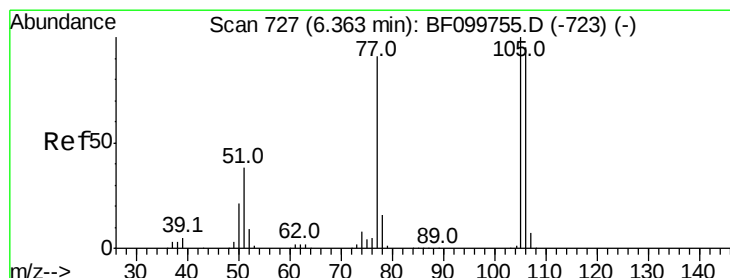
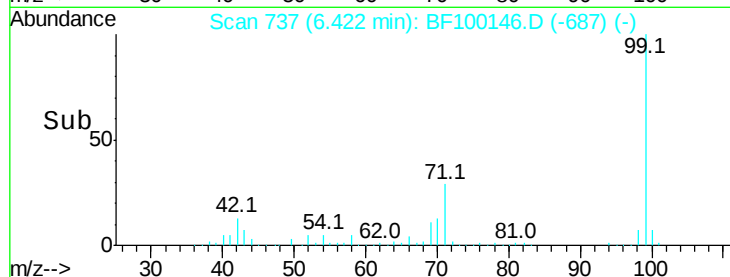
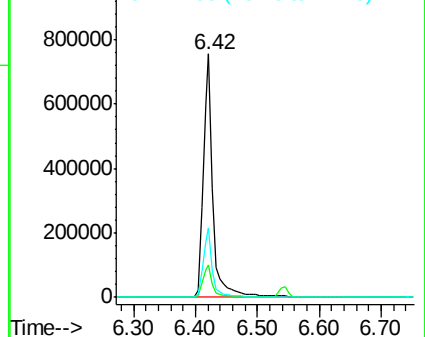
71 28.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.443 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.21 min

Lab File: BF100146.D

Acq: 3 Nov 2017 20:32

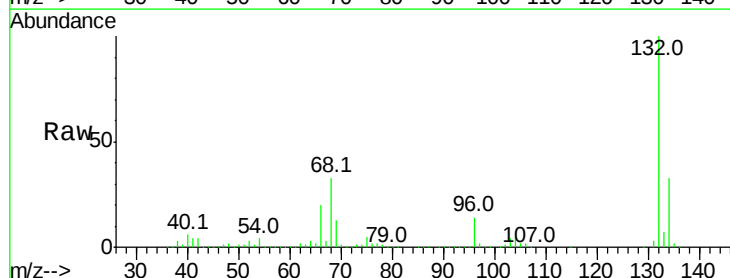
Tgt Ion: 77 Resp: 12146

Ion Ratio Lower Upper

77 100

105 89.6 81.1 121.1

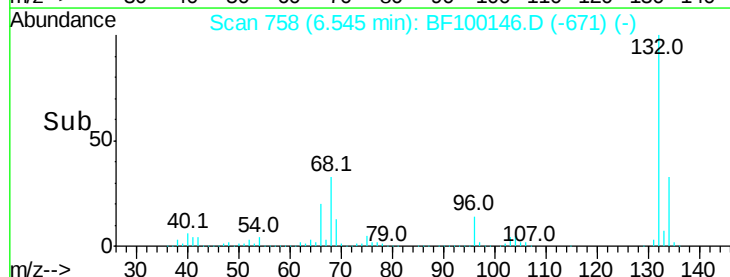
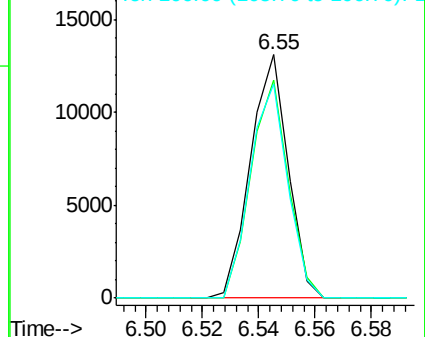
106 88.0 74.5 114.5

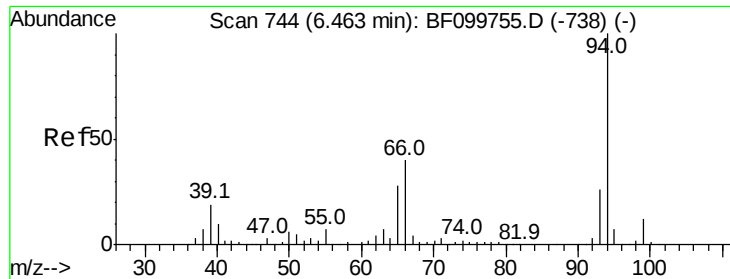


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 5.678 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF100146.D

Acq: 3 Nov 2017 20:32

Instrument :

BNA_F

ClientSampleId :

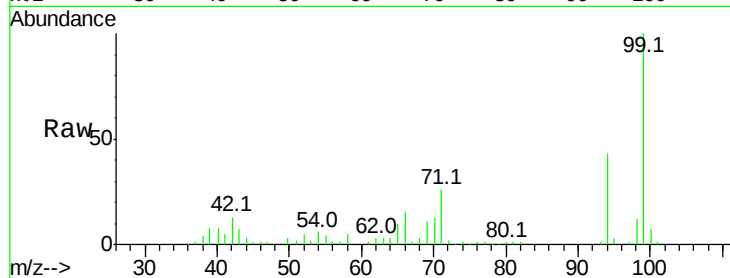
Tot Ion: 94 Resp: 51875

Ion Ratio Lower Upper

94 100

65 24.5 7.9 47.9

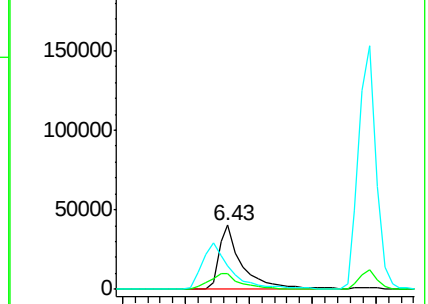
66 36.2 16.2 56.2



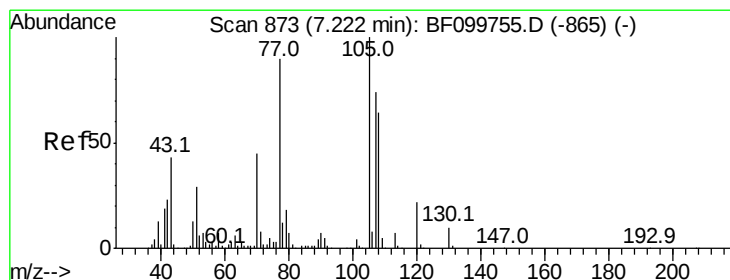
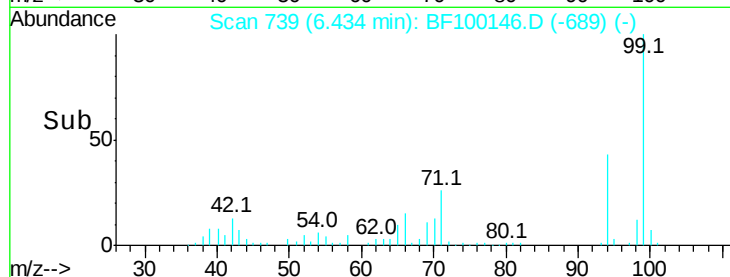
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 12.257 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.15 min

Lab File: BF100146.D

Acq: 3 Nov 2017 20:32

Tgt Ion: 70 Resp: 59773

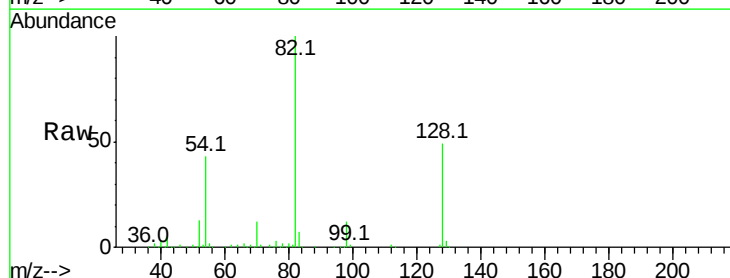
Ion Ratio Lower Upper

70 100

42 39.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

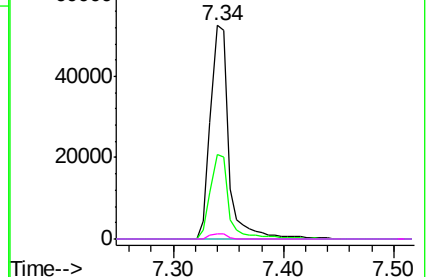


Abundance Ion 70.00 (69.70 to 70.70): BF1

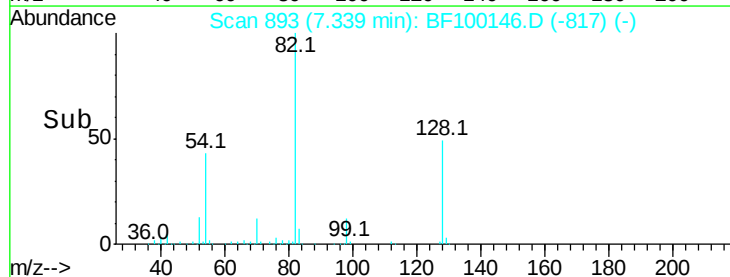
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Time-->

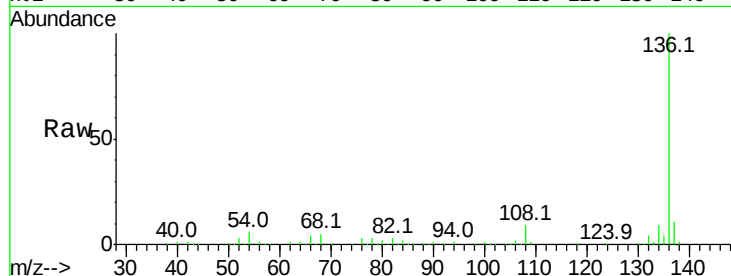




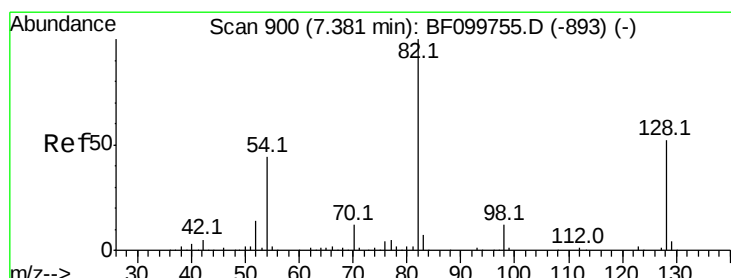
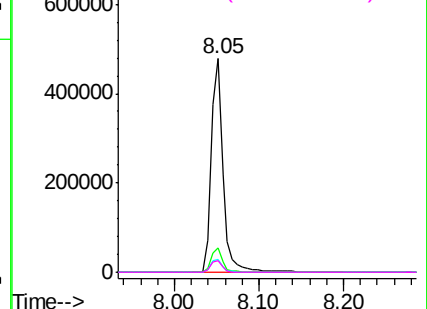
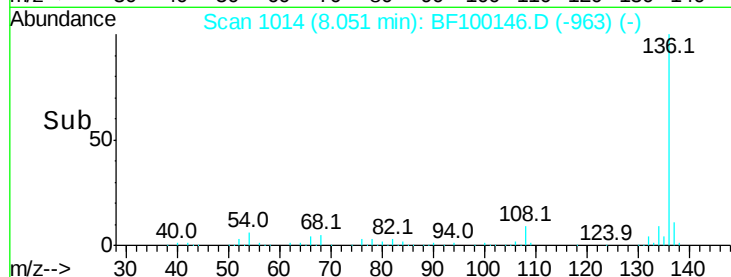
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF100146.D
Acq: 3 Nov 2017 20:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	464926
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.1	6.6	9.8#
68	5.4	5.0	7.4

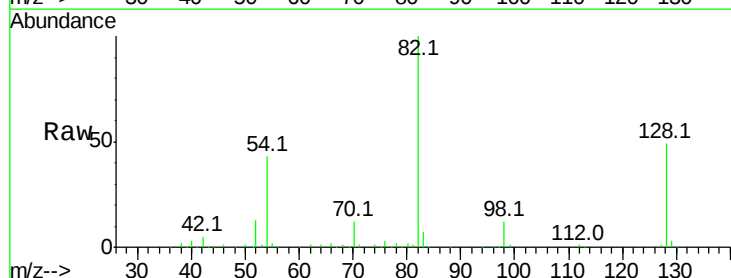


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

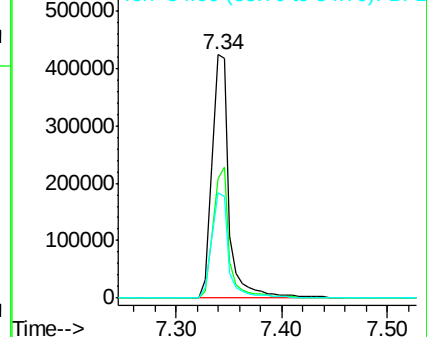
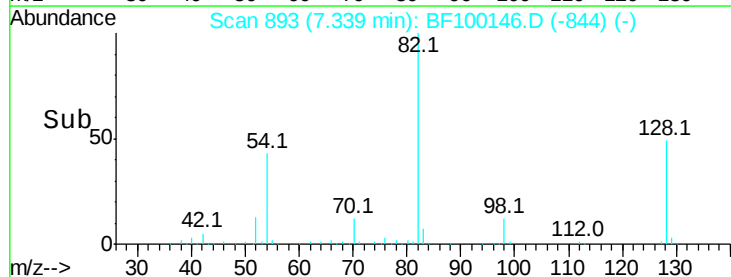


#23
Nitrobenzene-d5
Concen: 66.869 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100146.D
Acq: 3 Nov 2017 20:32

Tgt Ion:	82	Resp:	482899
Ion	Ratio	Lower	Upper
82	100		
128	49.1	36.1	54.1
54	43.2	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.851 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.26 min

Lab File: BF100146.D

Acq: 3 Nov 2017 20:32

Instrument :

BNA_F

ClientSampleId :

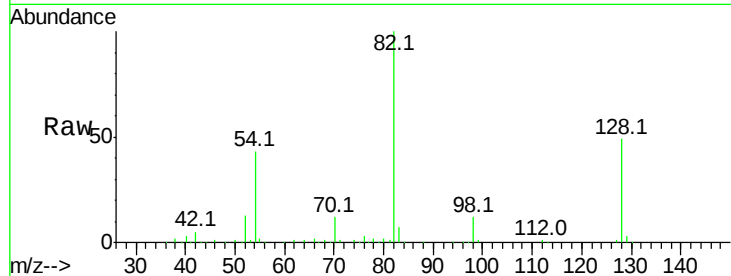
Tot Ion: 82 Resp: 482899

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

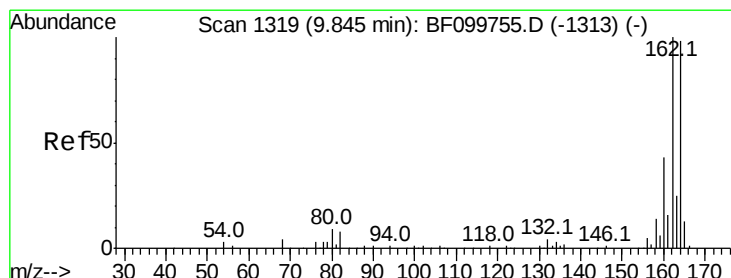
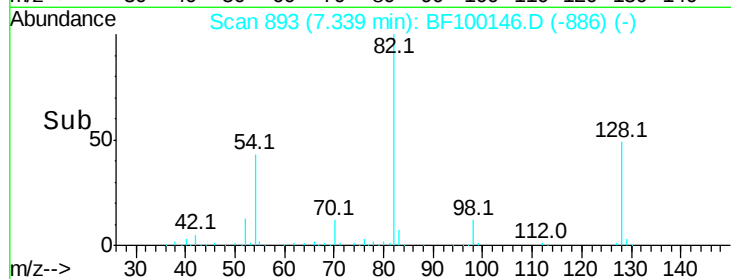
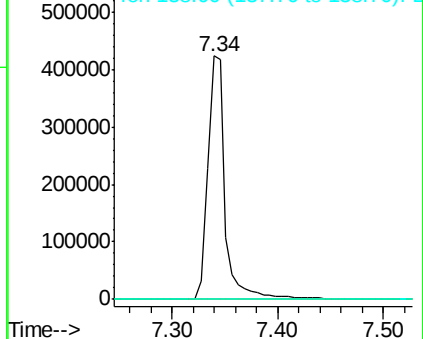
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF100146.D

Acq: 3 Nov 2017 20:32

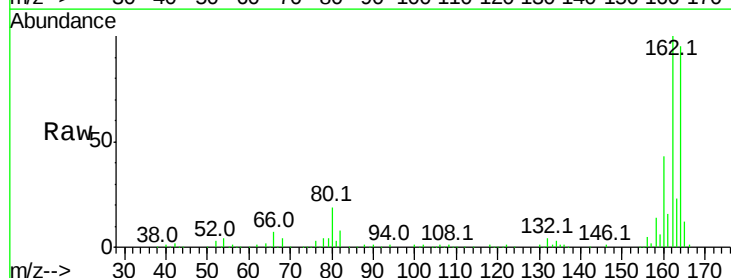
Tgt Ion:164 Resp: 205920

Ion Ratio Lower Upper

164 100

162 105.3 86.1 129.1

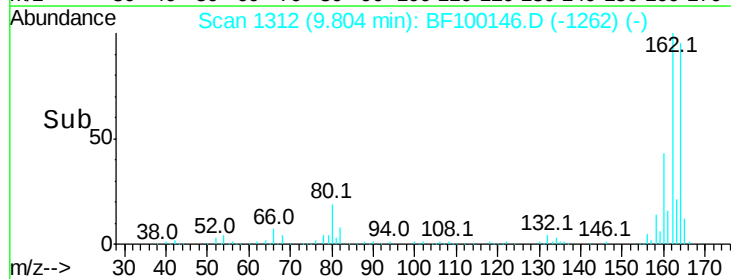
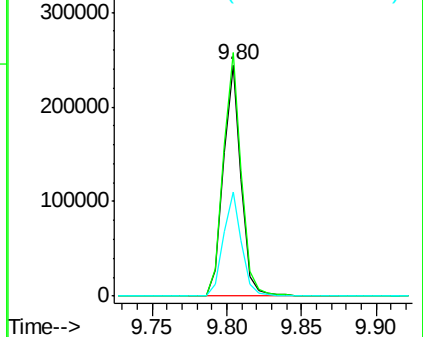
160 45.2 38.3 57.5



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

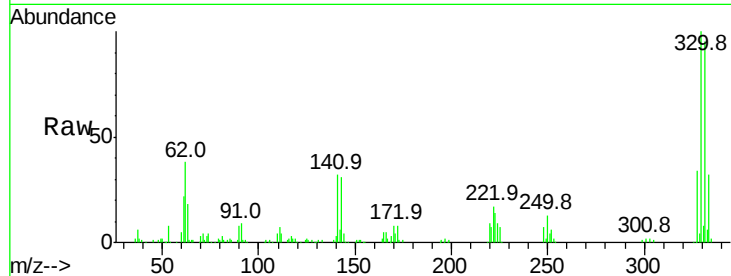




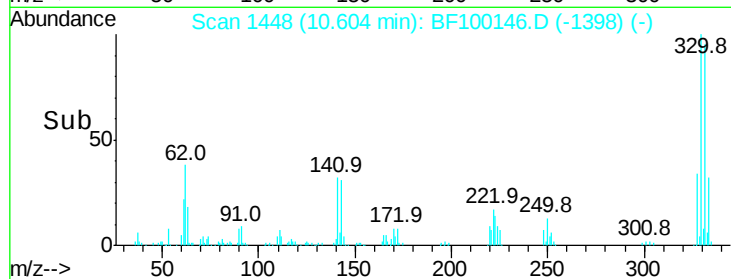
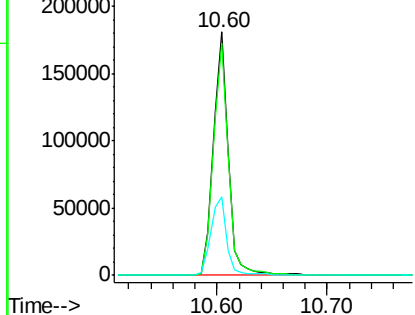
#41
 2,4,6-Tribromophenol
 Concen: 89.434 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF100146.D
 Acq: 3 Nov 2017 20:32

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 167831
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 34.1 29.9 44.9

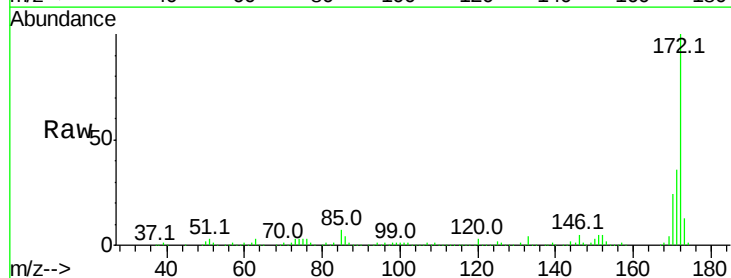


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

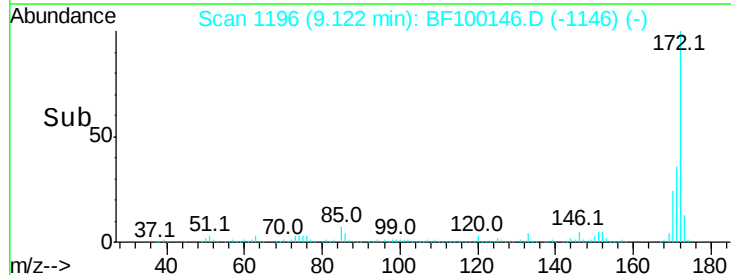
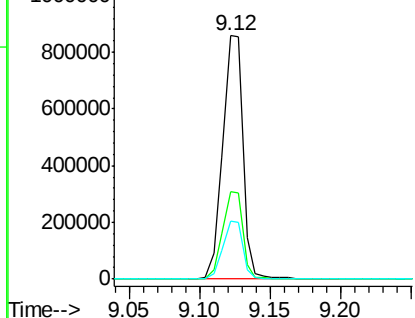


#44
 2-Fluorobiphenyl
 Concen: 64.702 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF100146.D
 Acq: 3 Nov 2017 20:32

Tgt Ion:172 Resp: 863566
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.8 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: 7.927 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF100146.D

Acq: 3 Nov 2017 20:32

Instrument :

BNA_F

ClientSampleId :

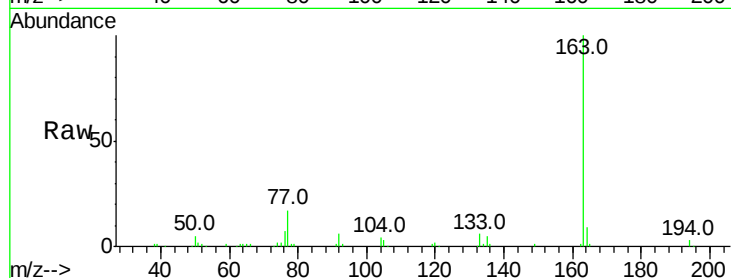
Tot Ion:163 Resp: 129262

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

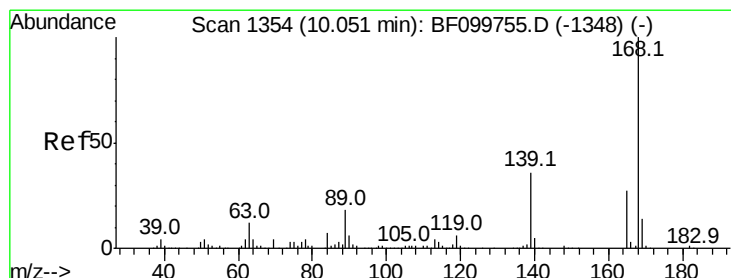
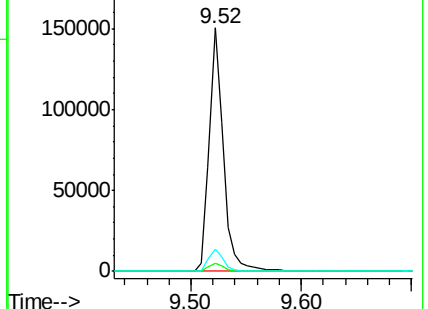
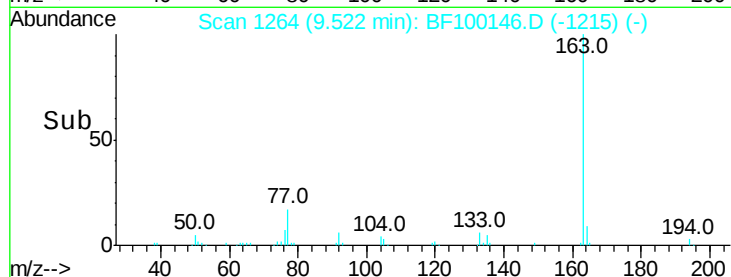
164 9.2 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.325 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.22 min

Lab File: BF100146.D

Acq: 3 Nov 2017 20:32

Tgt Ion:165 Resp: 26113

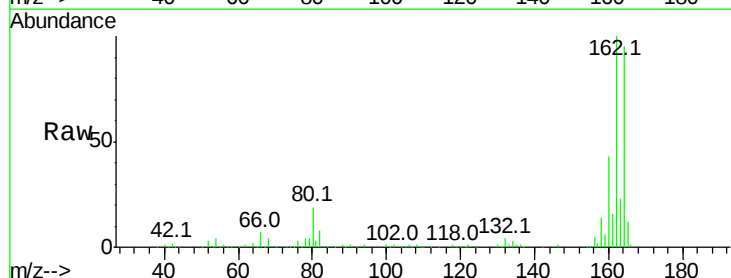
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

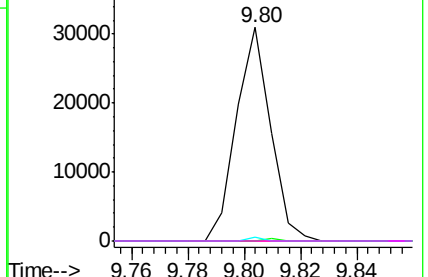
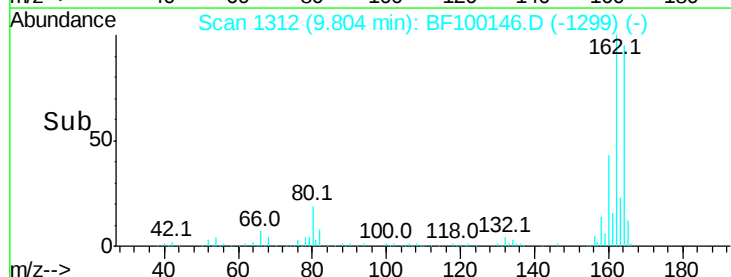


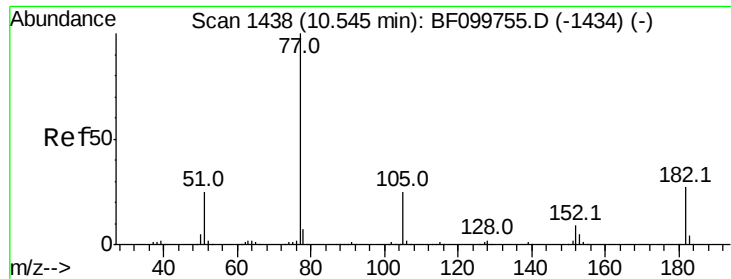
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

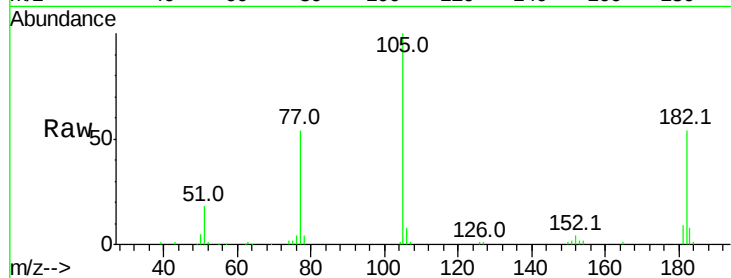




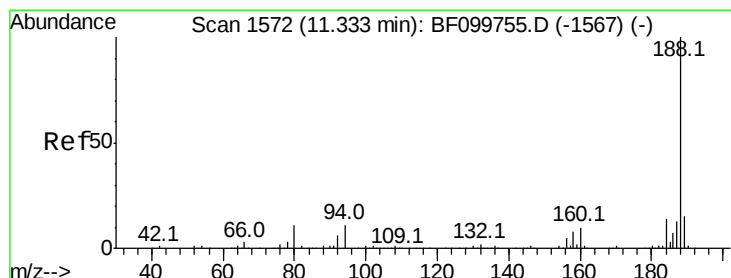
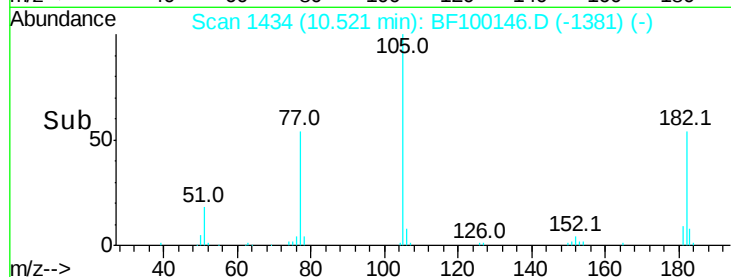
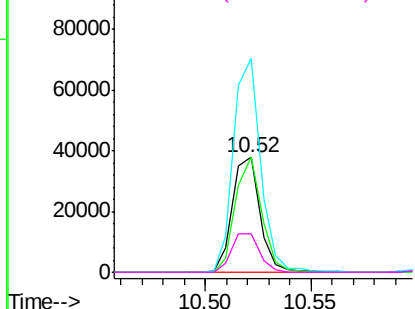
#62
Azobenzene
Concen: 2.573 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BF100146.D
Acq: 3 Nov 2017 20:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 34349
Ion Ratio Lower Upper
77 100
182 101.0 1.7 41.7#
105 186.2 3.0 43.0#
51 33.6 9.9 49.9

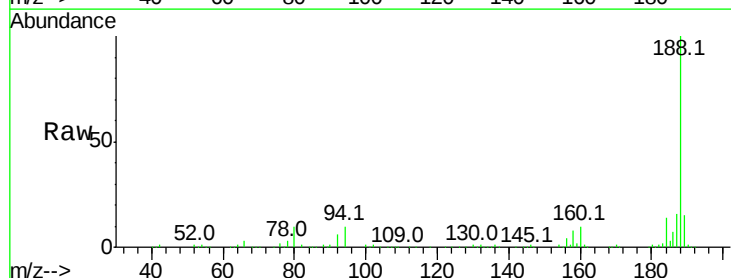


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

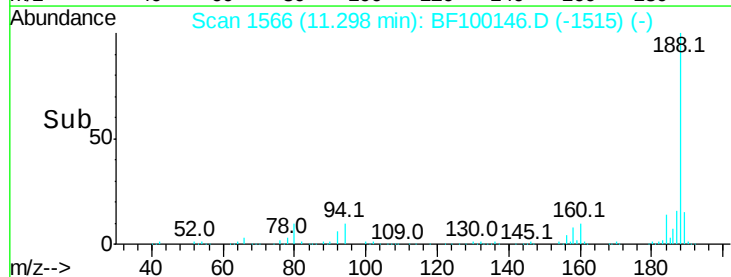
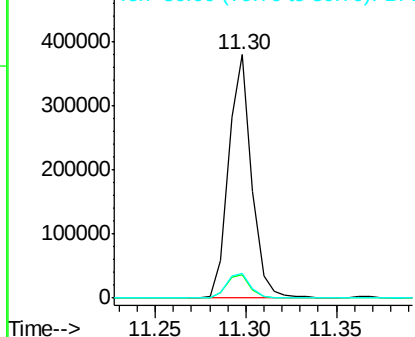


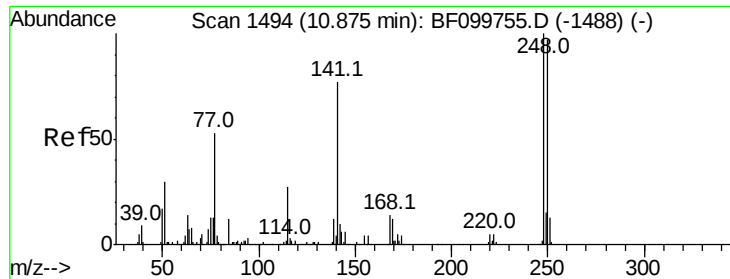
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.00 min
Lab File: BF100146.D
Acq: 3 Nov 2017 20:32

Tgt Ion: 188 Resp: 335144
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 10.1 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

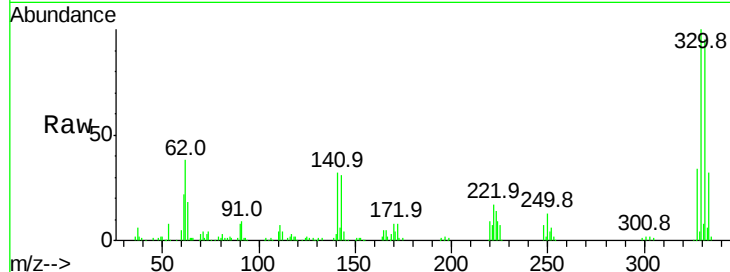




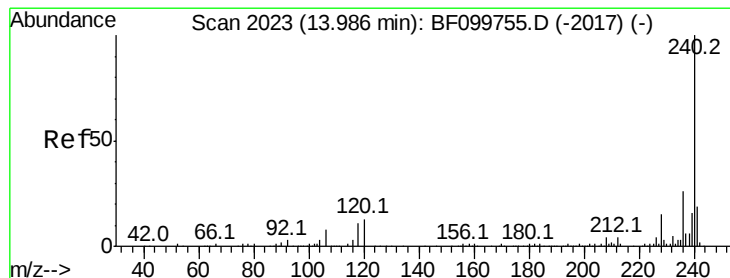
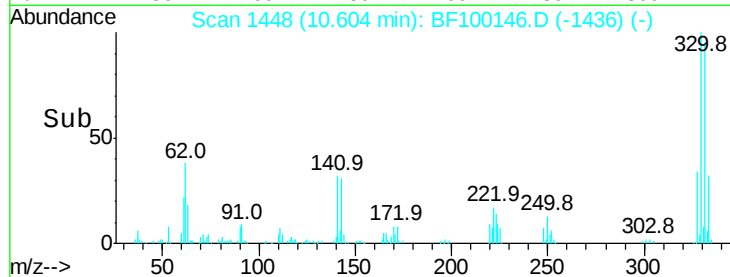
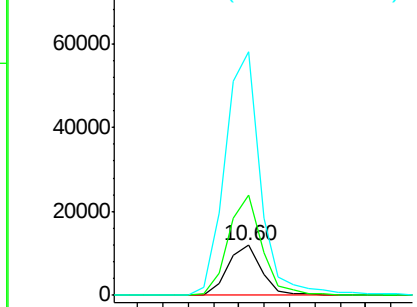
#66
 4-Bromophenyl-phenylether
 Concen: 3.137 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.23 min
 Lab File: BF100146.D
 Acq: 3 Nov 2017 20:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11067
 Ion Ratio Lower Upper
 248 100
 250 200.1 76.9 115.3#
 141 485.5 74.4 111.6#

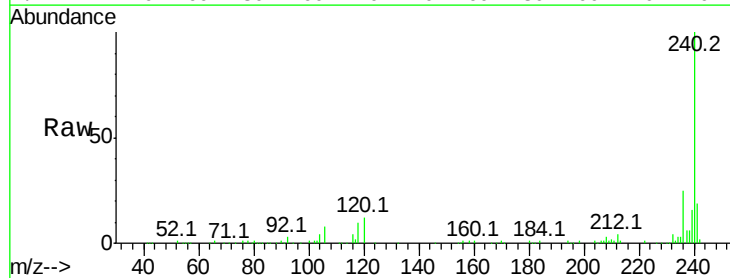


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

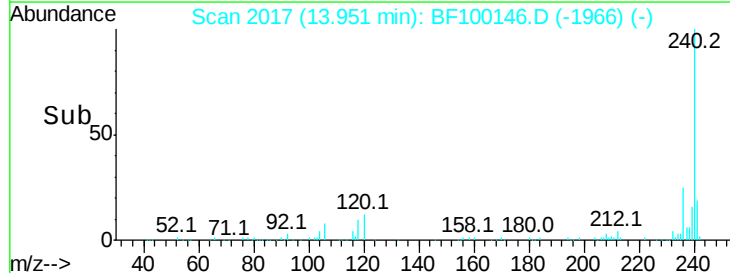
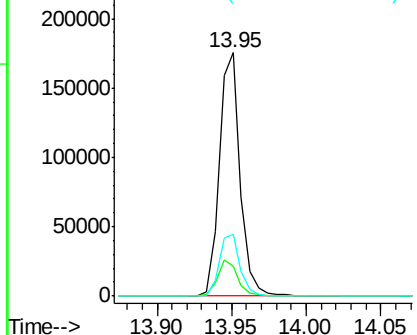


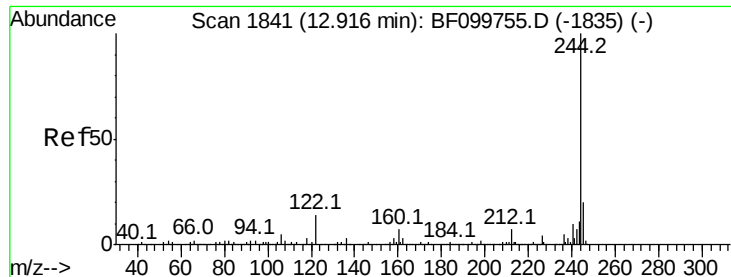
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: BF100146.D
 Acq: 3 Nov 2017 20:32

Tgt Ion:240 Resp: 171498
 Ion Ratio Lower Upper
 240 100
 120 12.1 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: 80.129 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF100146.D

Acq: 3 Nov 2017 20:32

Instrument :

BNA_F

ClientSampleId :

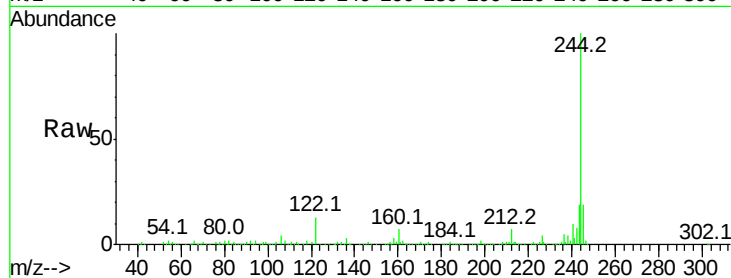
Tot Ion:244 Resp: 628813

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

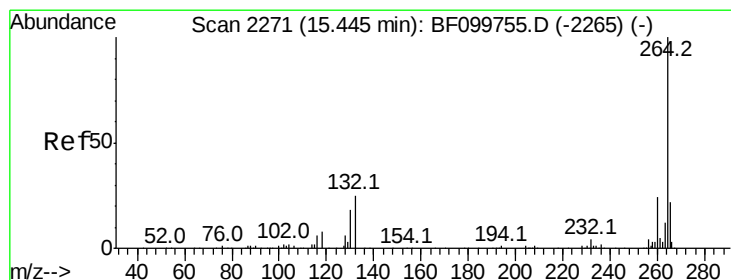
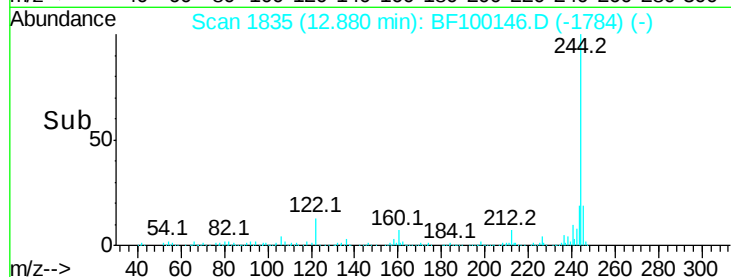
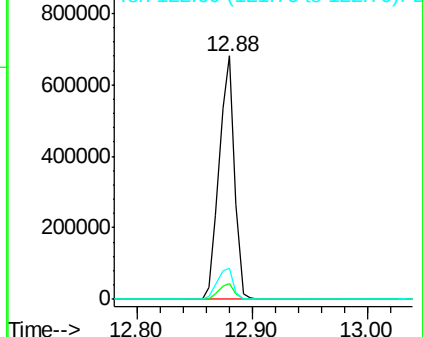
122 13.0 11.0 16.4



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: 15.41 min Scan# 2265

Delta R.T. -0.00 min

Lab File: BF100146.D

Acq: 3 Nov 2017 20:32

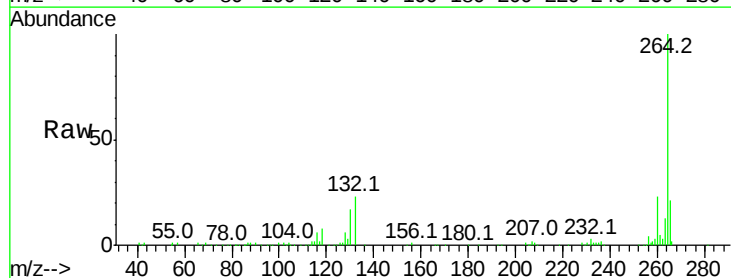
Tgt Ion:264 Resp: 175188

Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

265 20.9 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

