

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101417\
 Data File : BF099491.D
 Acq On : 14 Oct 2017 21:58
 Operator : SJ/JU
 Sample : I5776-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 14 23:37:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

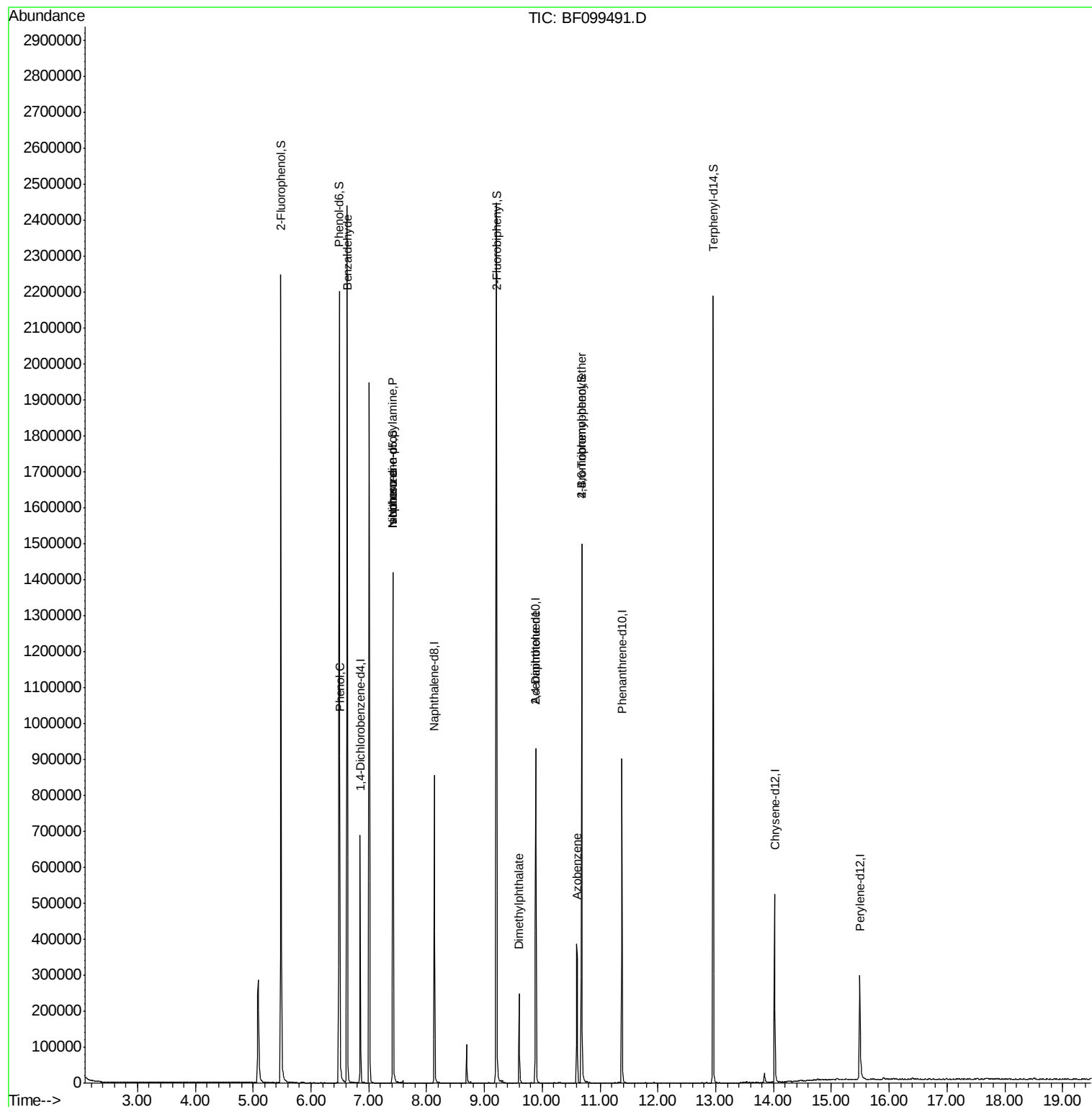
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	96305	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	396463	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	181154	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	317656	20.00	ng	0.00
75) Chrysene-d12	14.02	240	192444	20.00	ng	0.00
86) Perylene-d12	15.49	264	147735	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	732525	121.08	ng	0.01
7) Phenol-d6	6.49	99	863012	115.64	ng	0.00
23) Nitrobenzene-d5	7.42	82	506508	81.93	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	175038	118.08	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	882358	81.31	ng	0.00
78) Terphenyl-d14	12.96	244	715825	84.59	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.63	77	14501	3.350	ng	84
10) Phenol	6.50	94	65488	7.846	ng	94
19) n-Nitroso-di-n-propylamine	7.42	70	64327	13.500	ng	# 73
25) Isophorone	7.42	82	506502	39.627	ng	# 64
49) Dimethylphthalate	9.60	163	119730	8.757	ng	98
56) 2,4-Dinitrotoluene	9.89	165	23327	6.038	ng	# 22
62) Azobenzene	10.60	77	70125	5.709	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	11362	3.654	ng	# 1

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

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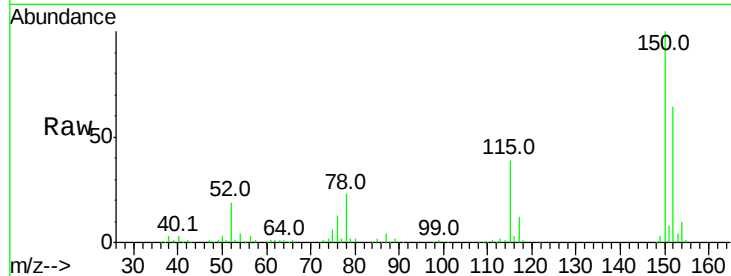


#1

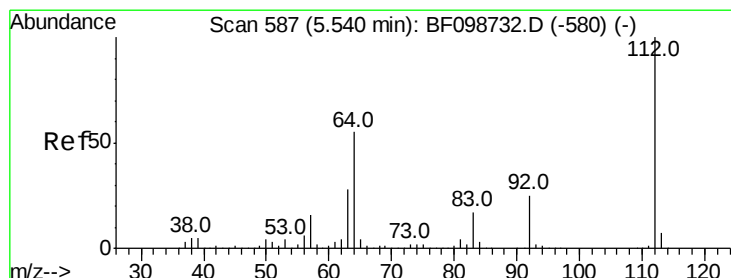
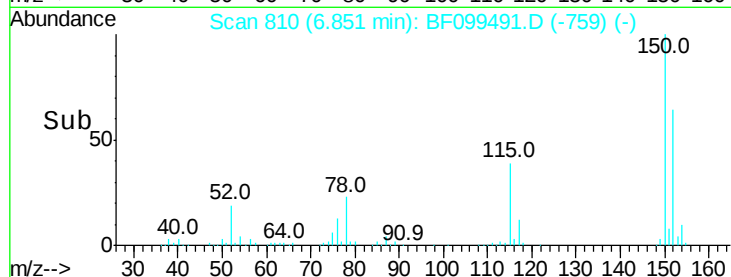
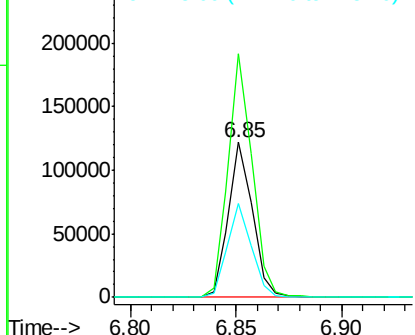
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099491.D
Acq: 14 Oct 2017 21:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 96305
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 60.5 50.1 75.1



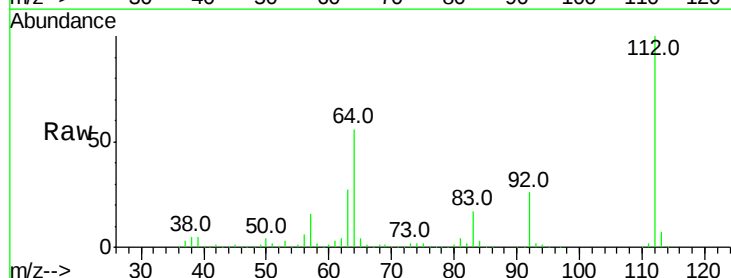
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



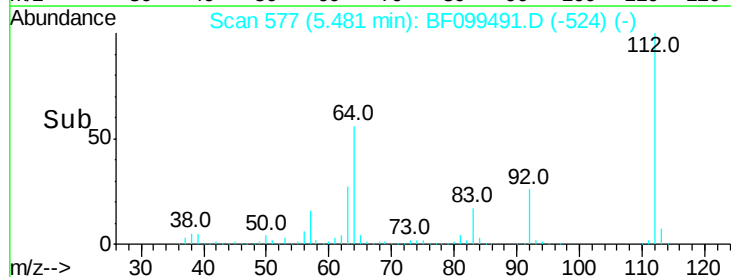
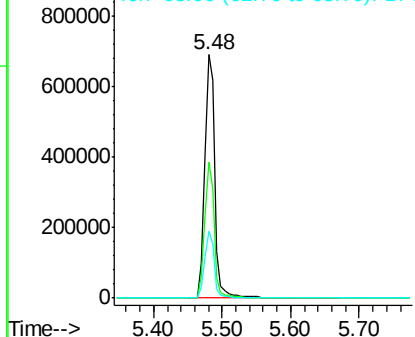
#5

2-Fluorophenol
Concen: 121.085 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF099491.D
Acq: 14 Oct 2017 21:58

Tgt Ion:112 Resp: 732525
Ion Ratio Lower Upper
112 100
64 55.8 47.9 71.9
63 27.4 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: 115.639 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF099491.D

Acq: 14 Oct 2017 21:58

Instrument :

BNA_F

ClientSampleId :

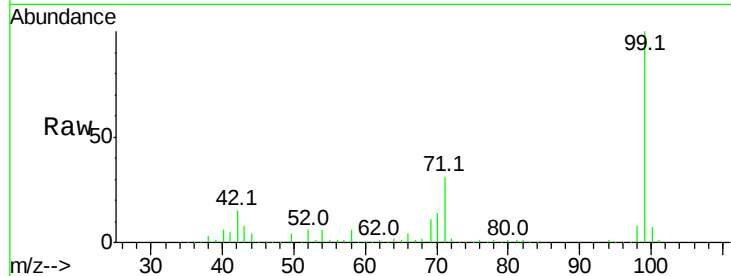
Tot Ion: 99 Resp: 863012

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

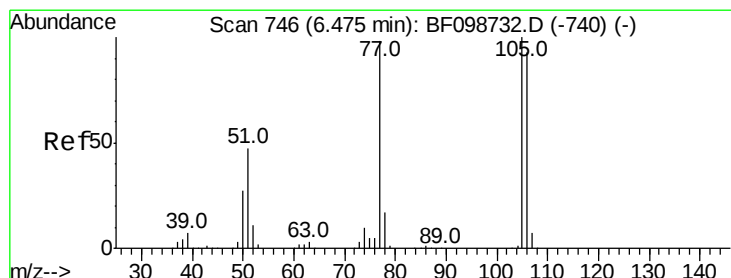
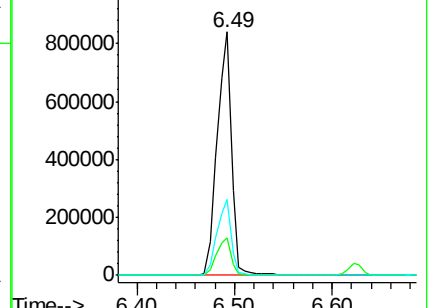
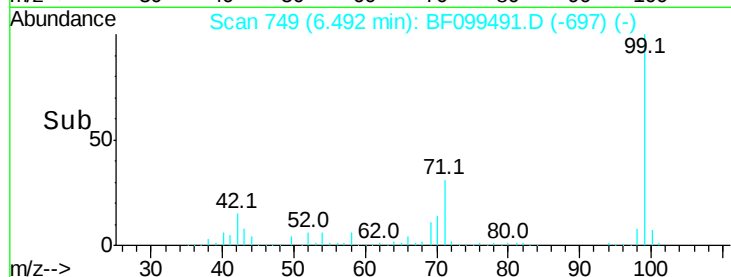
71 30.9 25.4 38.0



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: 3.350 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.22 min

Lab File: BF099491.D

Acq: 14 Oct 2017 21:58

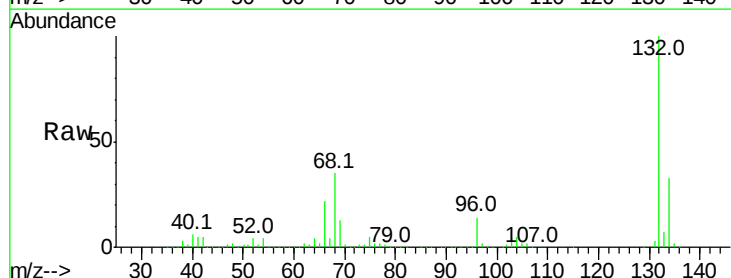
Tgt Ion: 77 Resp: 14501

Ion Ratio Lower Upper

77 100

105 83.0 81.1 121.1

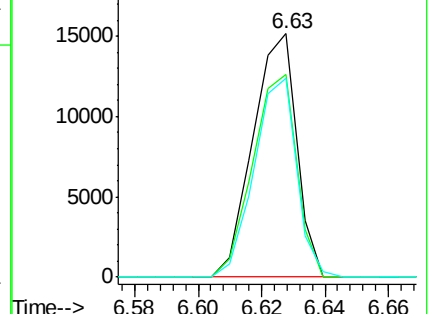
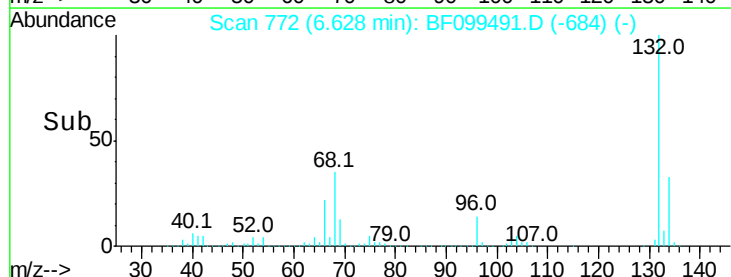
106 81.9 74.5 114.5

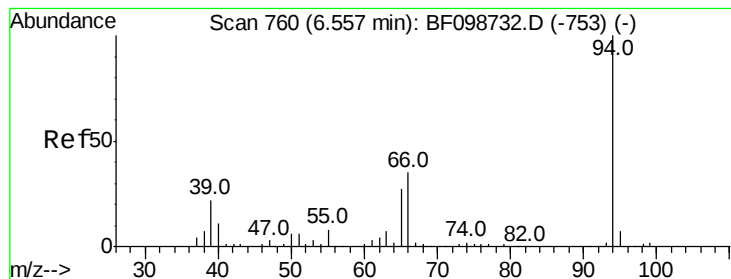


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 7.846 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099491.D

Acq: 14 Oct 2017 21:58

Instrument :

BNA_F

ClientSampled :

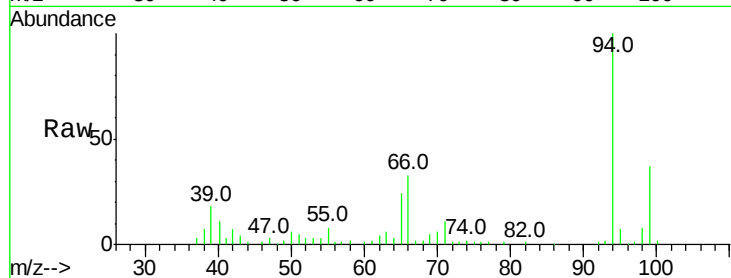
Tot Ion: 94 Resp: 65488

Ion Ratio Lower Upper

94 100

65 24.1 7.9 47.9

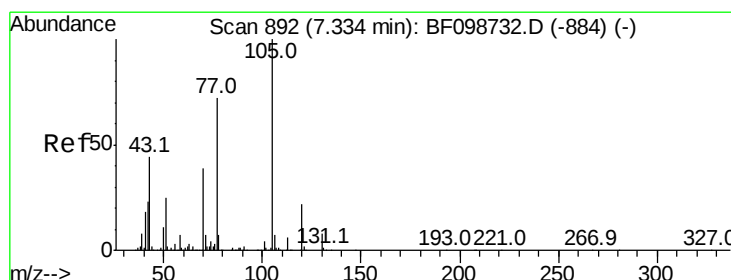
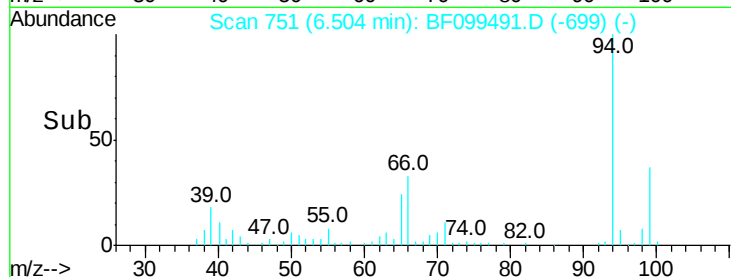
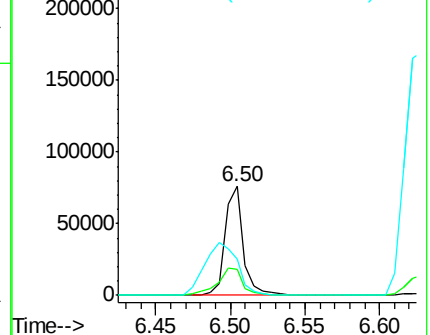
66 33.5 16.2 56.2



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: 13.500 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF099491.D

Acq: 14 Oct 2017 21:58

Tgt Ion: 70 Resp: 64327

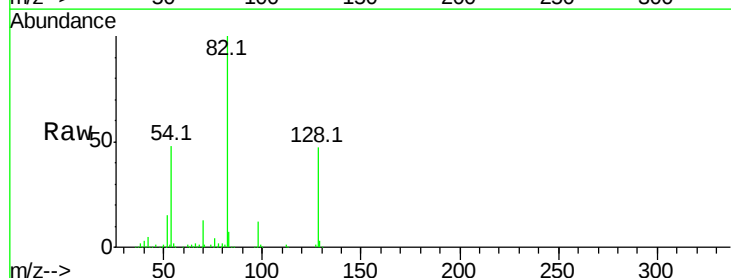
Ion Ratio Lower Upper

70 100

42 41.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

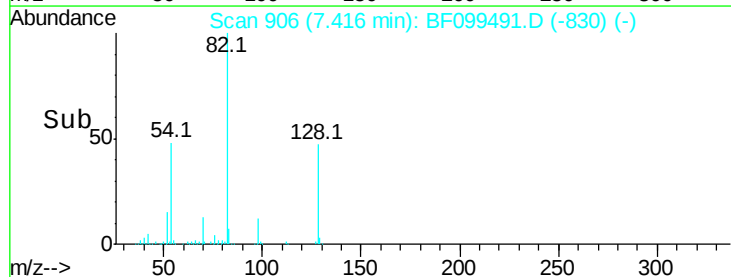
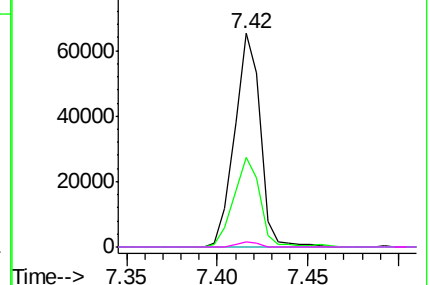


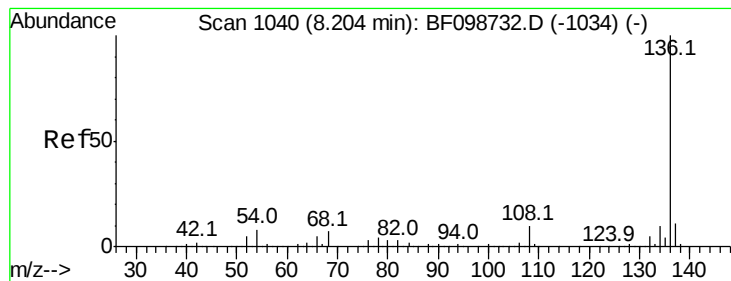
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF099491.D

Acq: 14 Oct 2017 21:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 396463

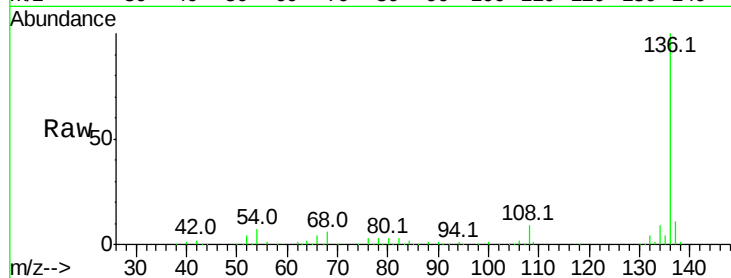
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.8 6.6 9.8

68 5.6 5.0 7.4

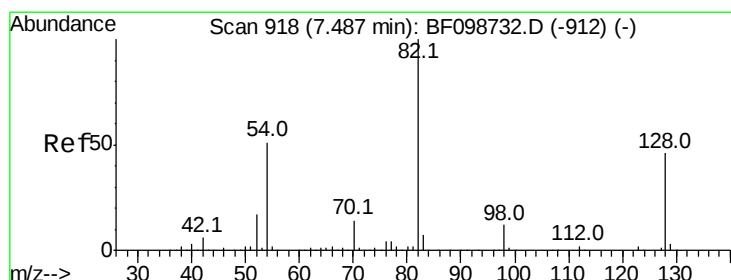
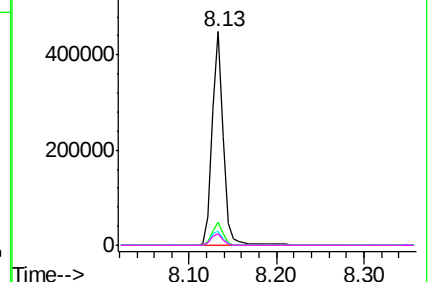
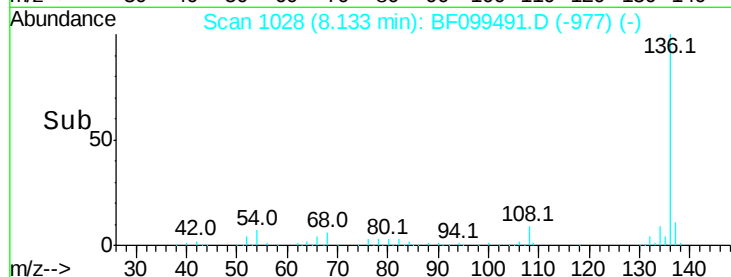


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.931 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF099491.D

Acq: 14 Oct 2017 21:58

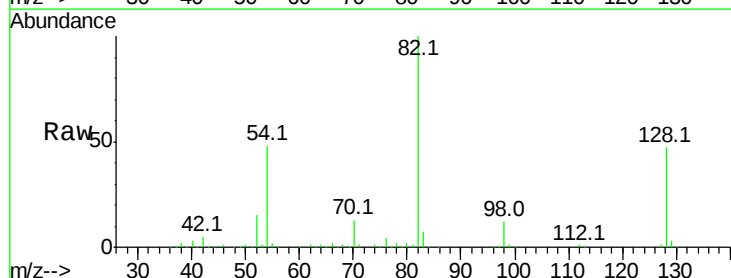
Tgt Ion: 82 Resp: 506508

Ion Ratio Lower Upper

82 100

128 46.7 36.1 54.1

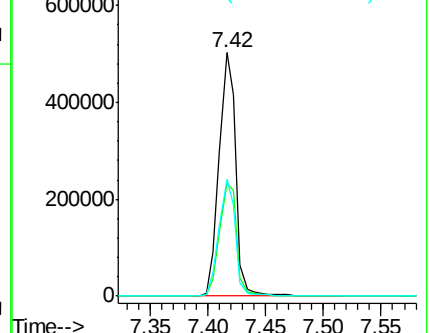
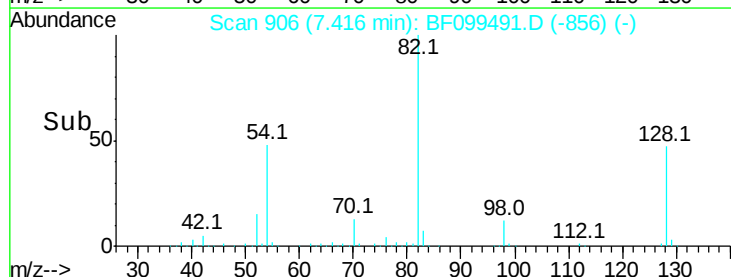
54 47.8 41.4 62.2

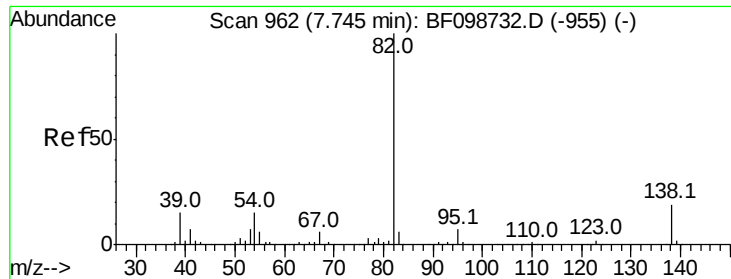


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 39.627 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF099491.D

Acq: 14 Oct 2017 21:58

Instrument :

BNA_F

ClientSampleId :

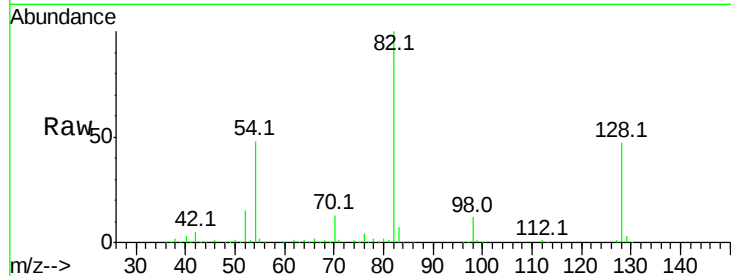
Tot Ion: 82 Resp: 506502

Ion Ratio Lower Upper

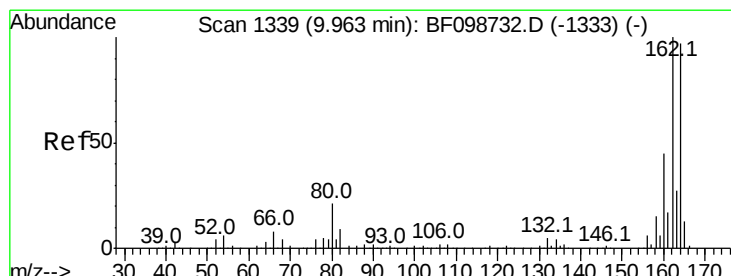
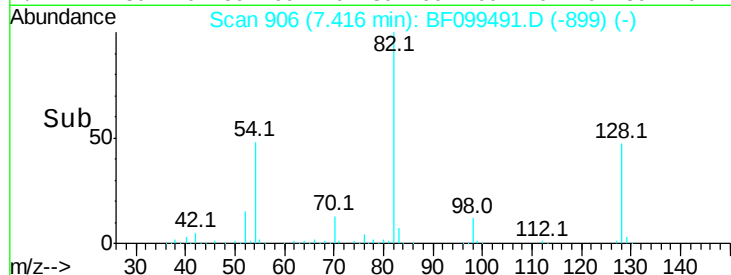
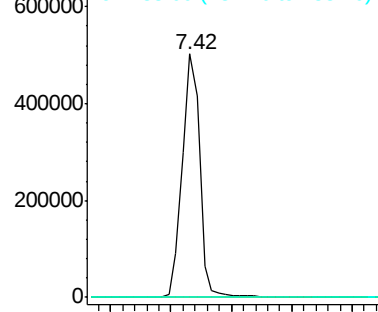
82 100

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: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099491.D

Acq: 14 Oct 2017 21:58

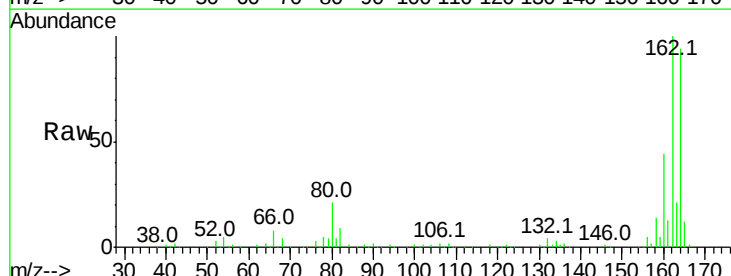
Tgt Ion:164 Resp: 181154

Ion Ratio Lower Upper

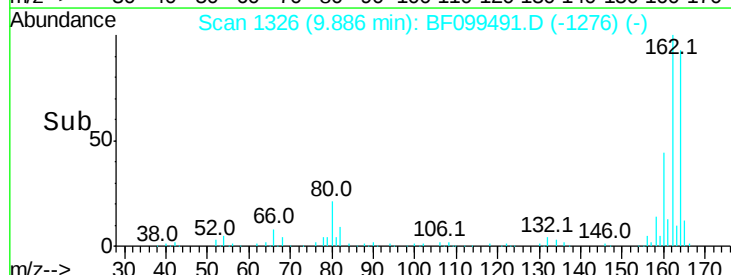
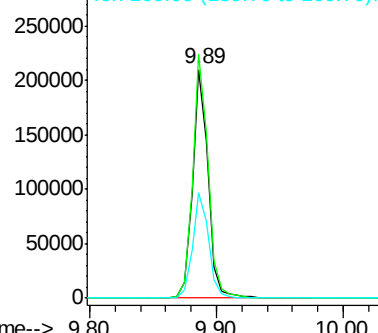
164 100

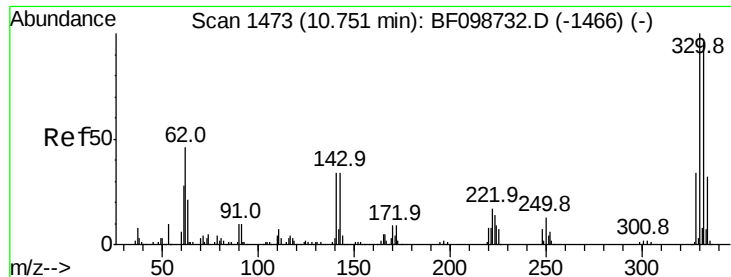
162 106.4 86.1 129.1

160 46.3 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

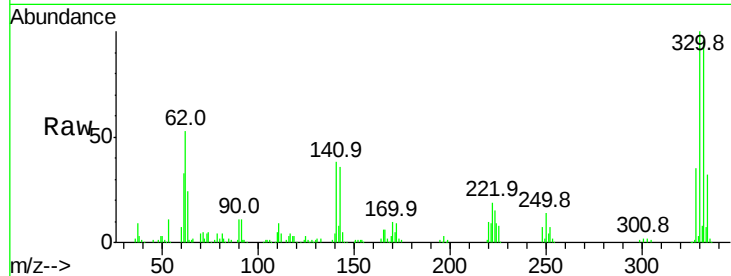




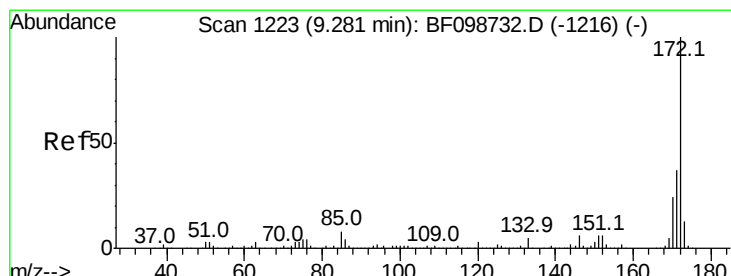
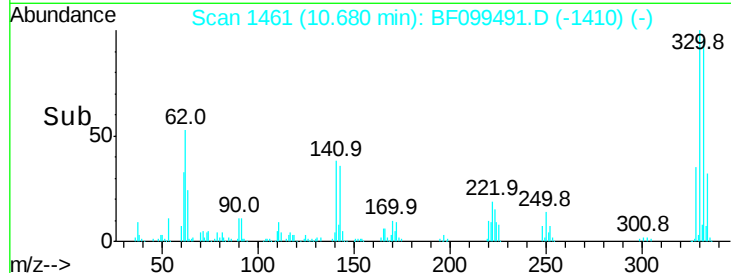
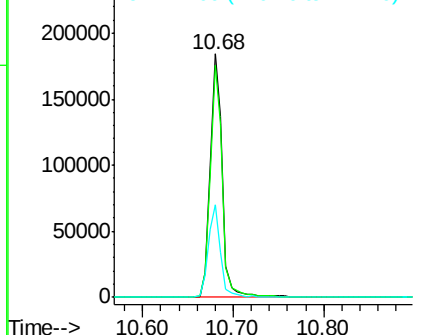
#41
 2,4,6-Tribromophenol
 Concen: 118.083 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: BF099491.D
 Acq: 14 Oct 2017 21:58

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 175038
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 38.6 29.9 44.9

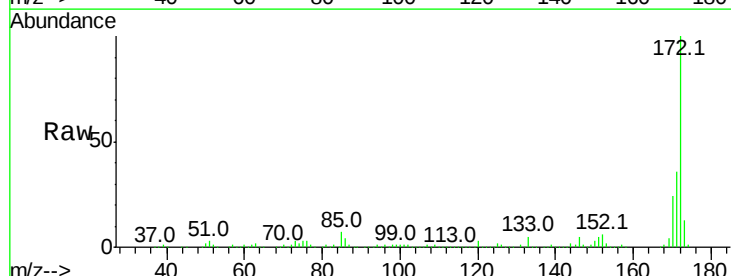


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

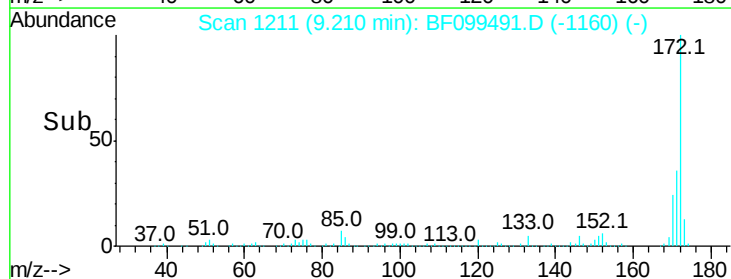
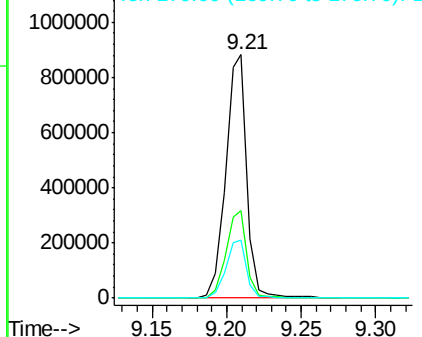


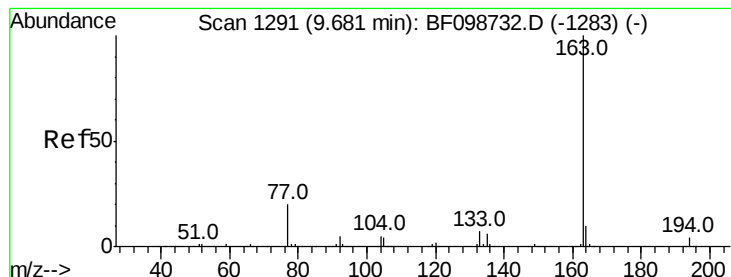
#44
 2-Fluorobiphenyl
 Concen: 81.313 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF099491.D
 Acq: 14 Oct 2017 21:58

Tgt Ion:172 Resp: 882358
 Ion Ratio Lower Upper
 172 100
 171 36.0 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: 8.757 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF099491.D

Acq: 14 Oct 2017 21:58

Instrument :

BNA_F

ClientSampleId :

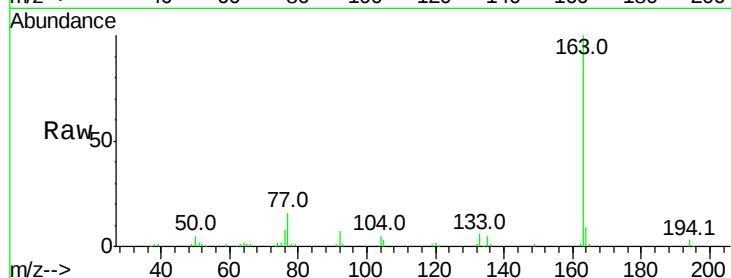
Tot Ion:163 Resp: 119730

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

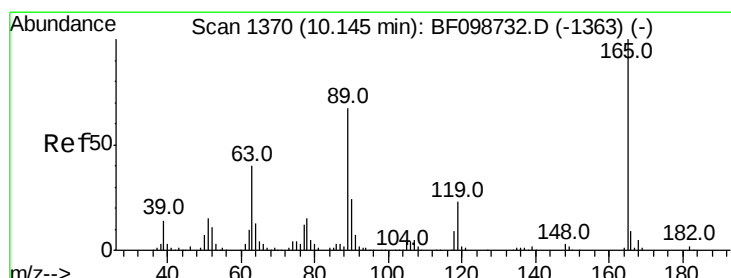
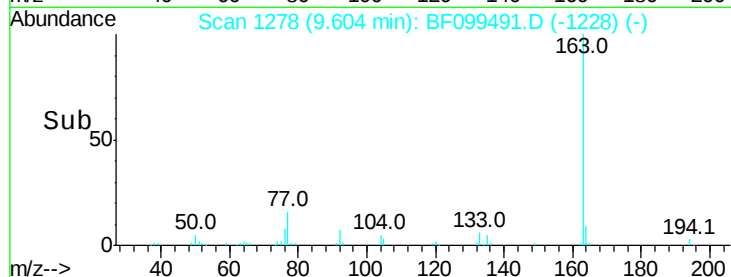
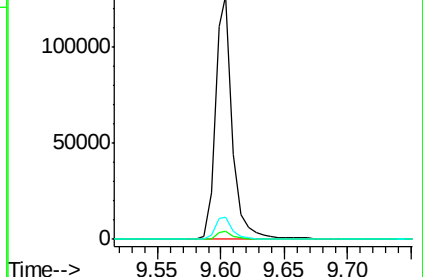
164 9.4 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.038 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.20 min

Lab File: BF099491.D

Acq: 14 Oct 2017 21:58

Tgt Ion:165 Resp: 23327

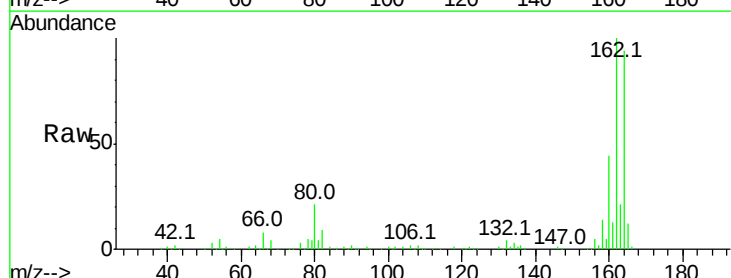
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

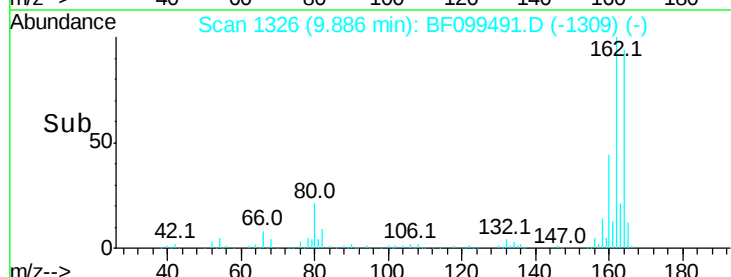
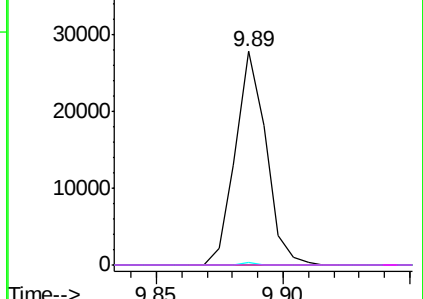


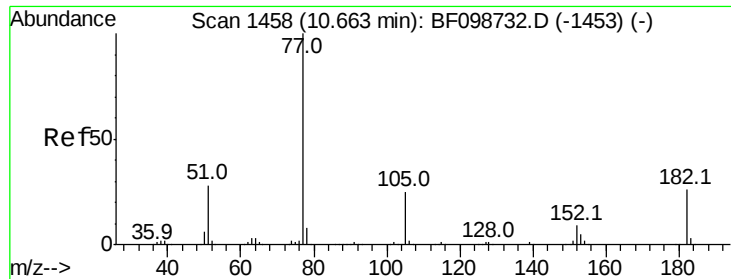
Abundance Ion 165.00 (164.70 to 165.70): E

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: 5.709 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF099491.D

Acq: 14 Oct 2017 21:58

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 70125

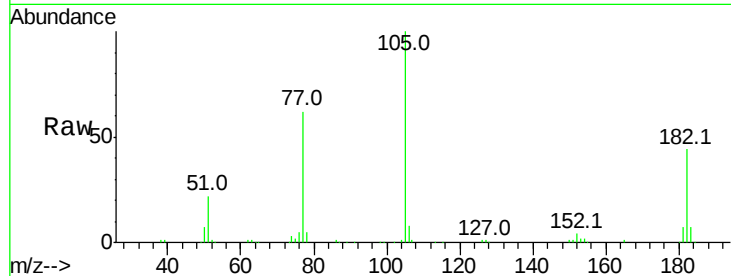
Ion Ratio Lower Upper

77 100

182 71.7 1.7 41.7#

105 161.8 3.0 43.0#

51 35.9 9.9 49.9

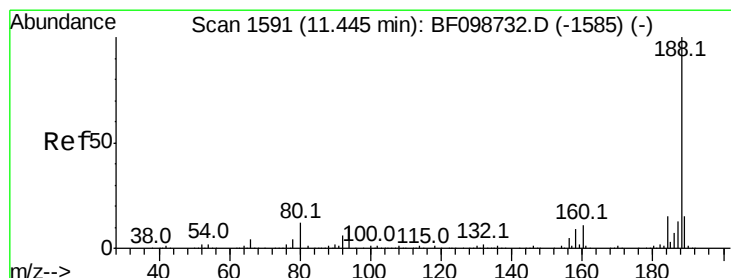
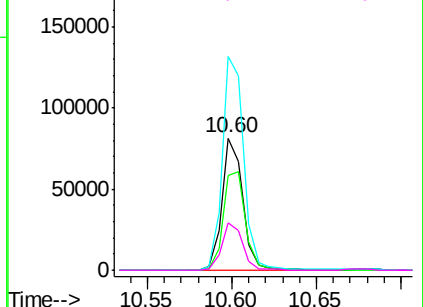
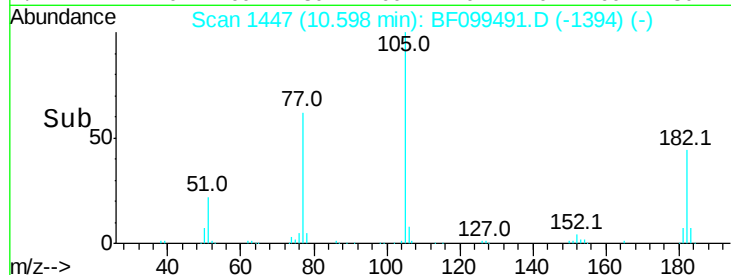


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.37 min Scan# 1579

Delta R.T. -0.00 min

Lab File: BF099491.D

Acq: 14 Oct 2017 21:58

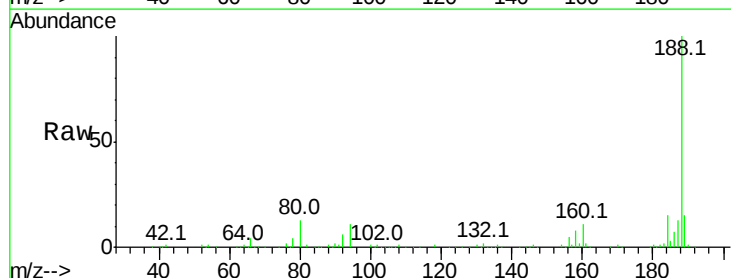
Tgt Ion: 188 Resp: 317656

Ion Ratio Lower Upper

188 100

94 11.2 8.5 12.7

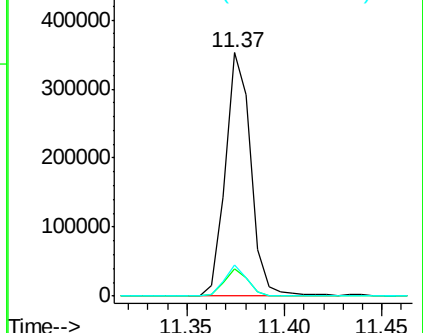
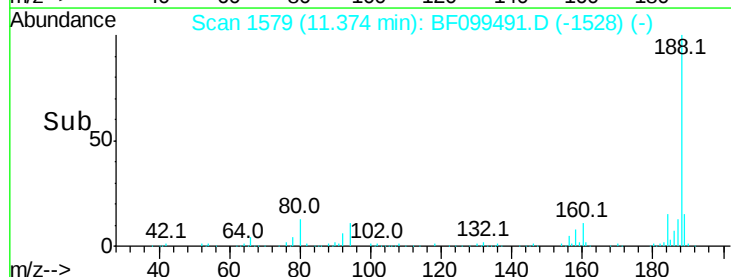
80 12.6 9.2 13.8

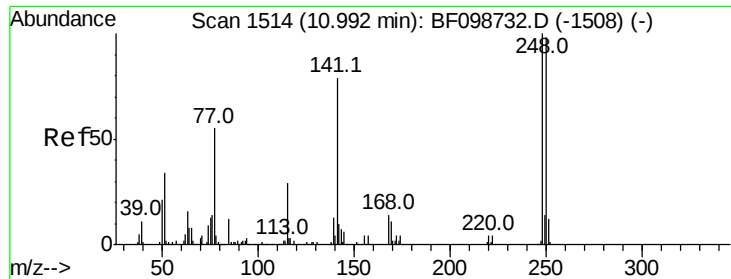


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

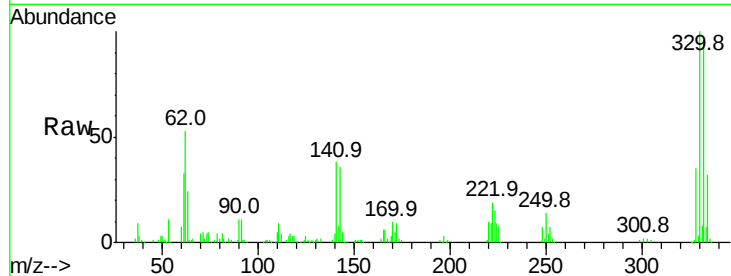




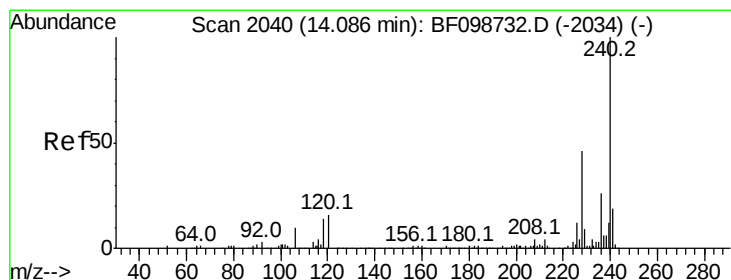
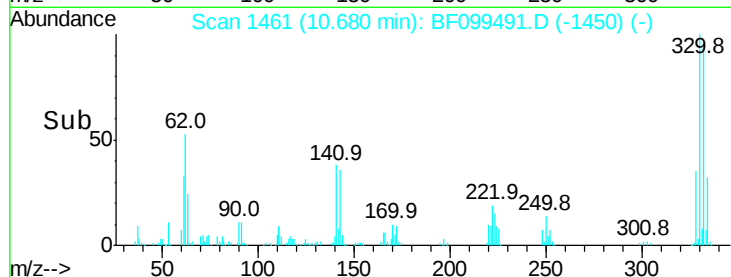
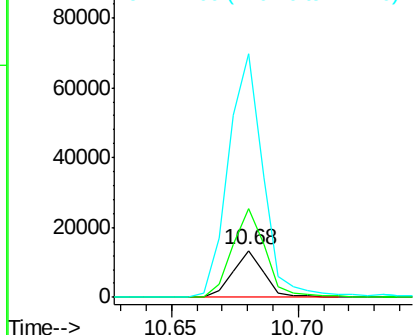
#66
 4-Bromophenyl-phenylether
 Concen: 3.654 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.24 min
 Lab File: BF099491.D
 Acq: 14 Oct 2017 21:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11362
 Ion Ratio Lower Upper
 248 100
 250 190.5 76.9 115.3#
 141 523.9 74.4 111.6#

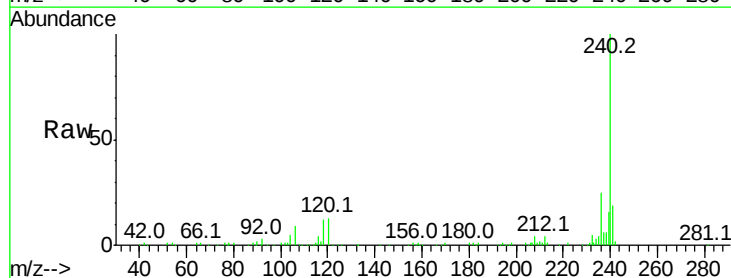


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

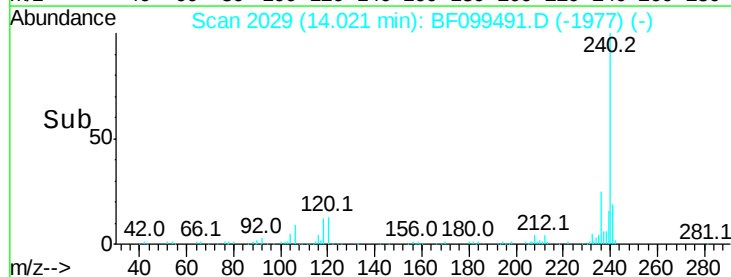
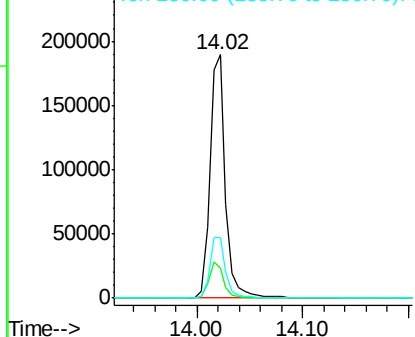


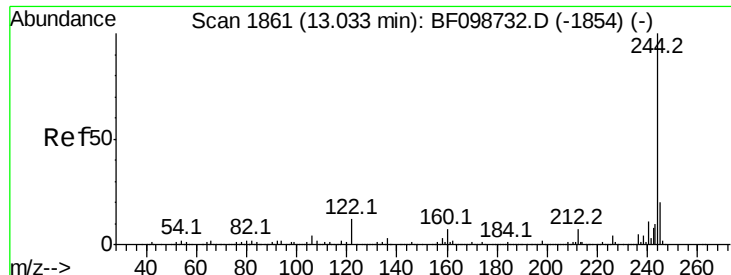
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BF099491.D
 Acq: 14 Oct 2017 21:58

Tgt Ion:240 Resp: 192444
 Ion Ratio Lower Upper
 240 100
 120 12.5 9.5 14.3
 236 24.7 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: 84.592 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF099491.D

Acq: 14 Oct 2017 21:58

Instrument :

BNA_F

ClientSampleId :

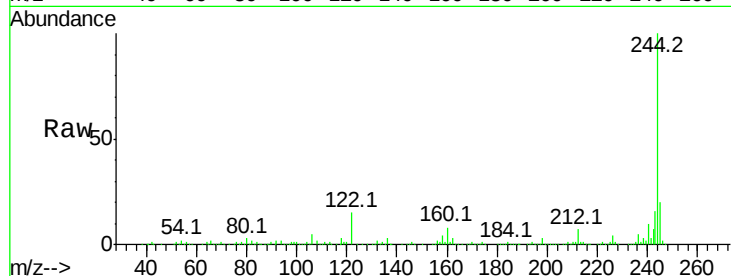
Tot Ion:244 Resp: 715825

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

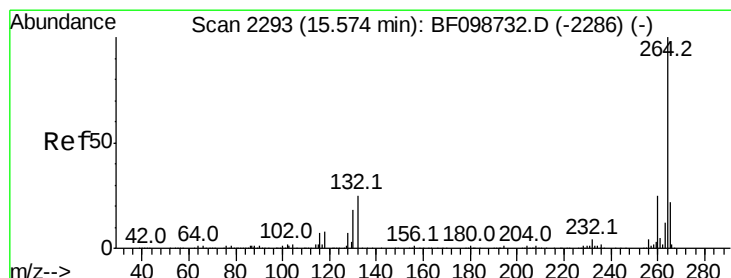
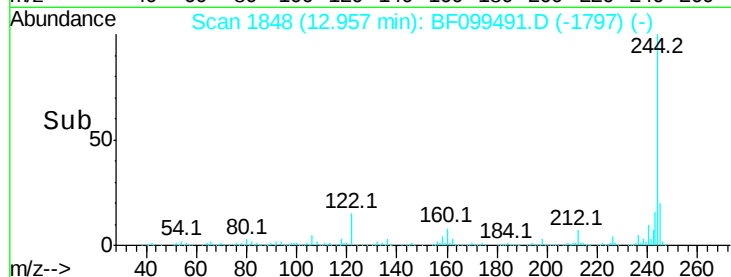
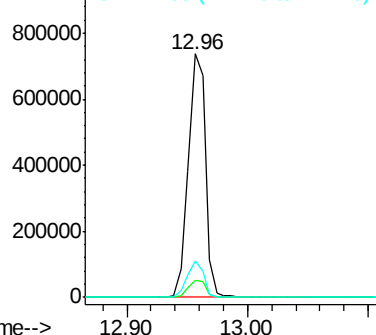
122 15.1 11.0 16.4



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: 15.49 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BF099491.D

Acq: 14 Oct 2017 21:58

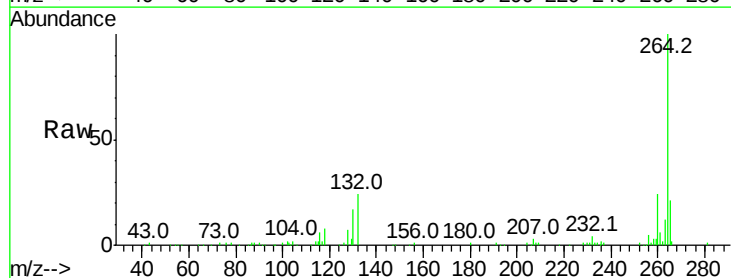
Tgt Ion:264 Resp: 147735

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.0 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

