

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
 Data File : BF099371.D
 Acq On : 12 Oct 2017 3:46
 Operator : SJ/JU
 Sample : I5710-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 12 05:06:44 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

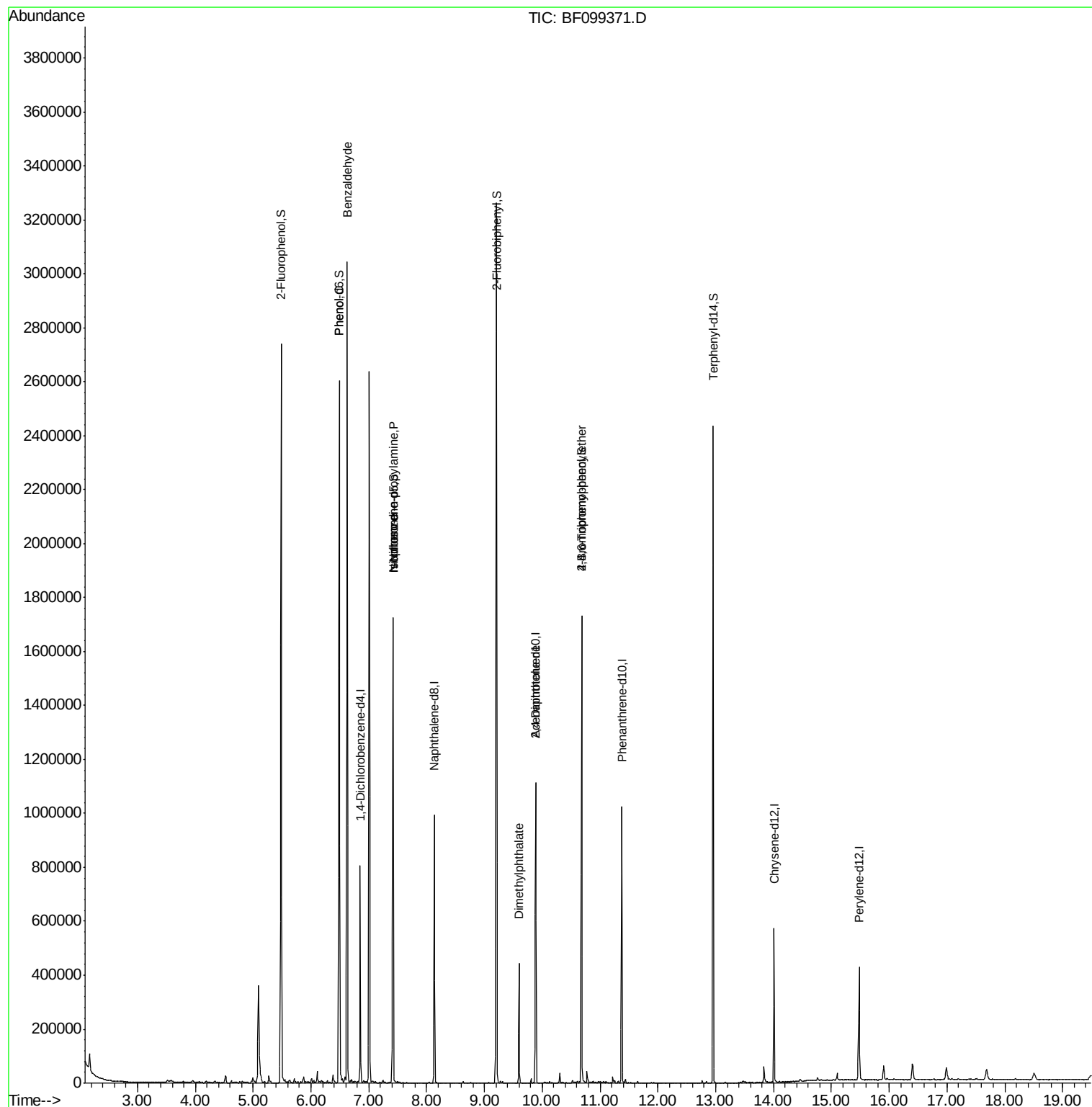
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	110288	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	447700	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	199811	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	340778	20.00	ng	0.00
75) Chrysene-d12	14.01	240	174307	20.00	ng	0.00
86) Perylene-d12	15.48	264	169435	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	932525	134.60	ng	0.02
7) Phenol-d6	6.49	99	1094916	128.11	ng	0.00
23) Nitrobenzene-d5	7.42	82	680284	97.45	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	214523	131.21	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1120347	93.60	ng	0.00
78) Terphenyl-d14	12.96	244	784605	102.37	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.63	77	17708	3.57	ng	93
10) Phenol	6.50	94	33027	3.46	ng	# 75
19) n-Nitroso-di-n-propylamine	7.42	70	86444	15.84	ng	# 72
25) Isophorone	7.42	82	680375	47.14	ng	# 64
49) Dimethylphthalate	9.60	163	167194	11.09	ng	99
56) 2,4-Dinitrotoluene	9.89	165	25495	5.98	ng	# 23
66) 4-Bromophenyl-phenylether	10.68	248	14582	4.37	ng	# 1

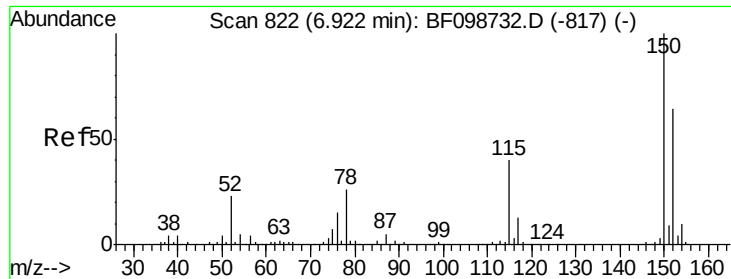
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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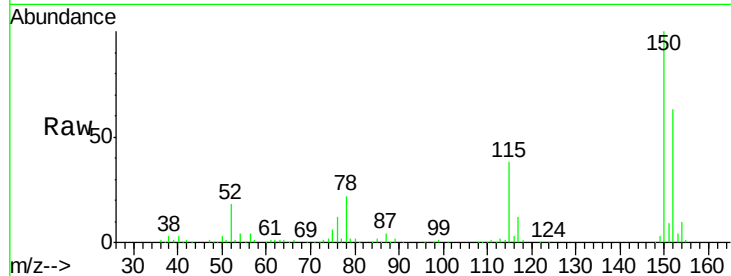


#1

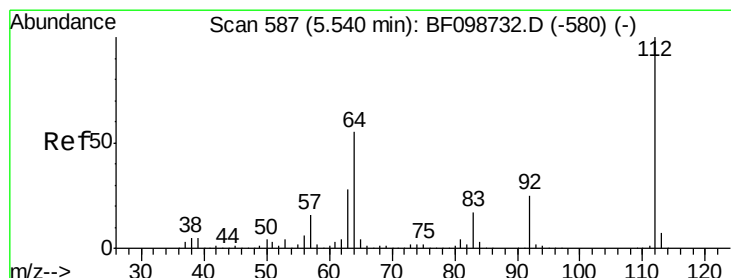
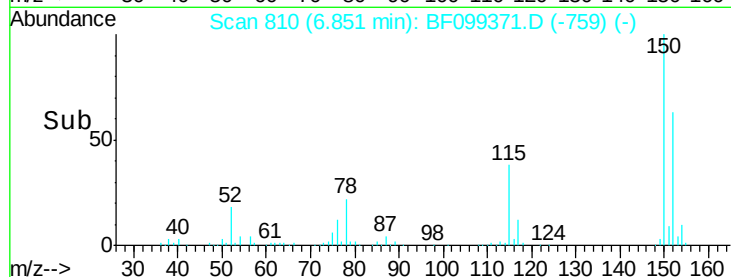
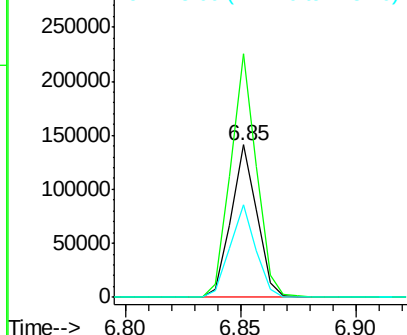
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099371.D
Acq: 12 Oct 2017 3:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110288
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 60.8 50.1 75.1



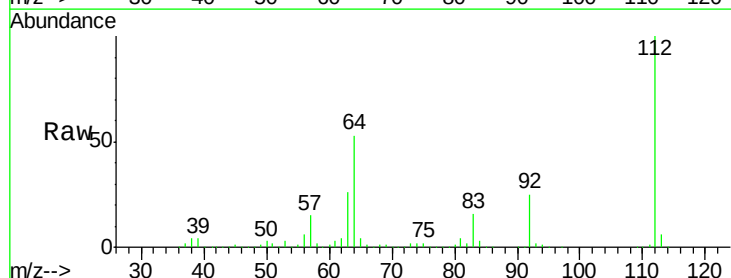
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



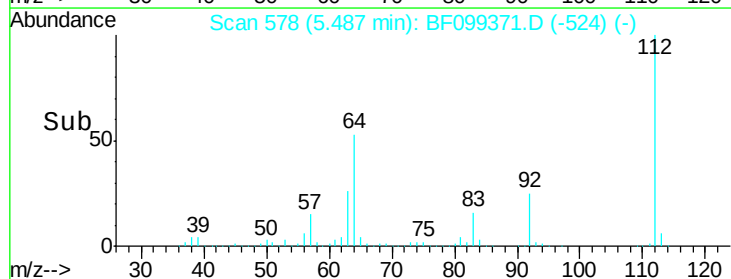
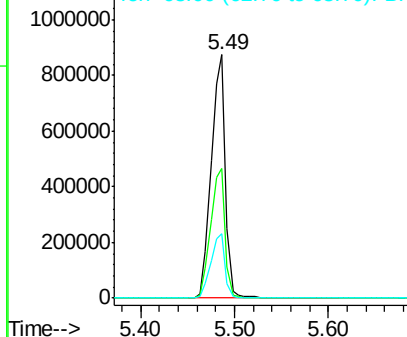
#5

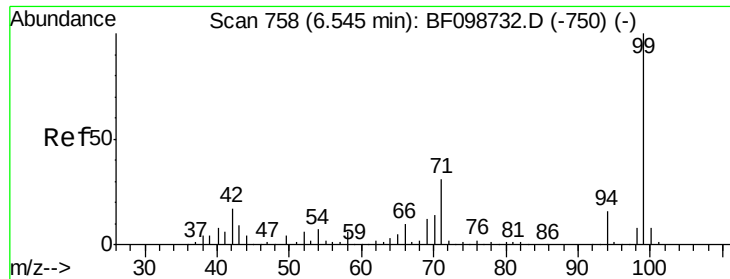
2-Fluorophenol
Concen: 134.60 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.02 min
Lab File: BF099371.D
Acq: 12 Oct 2017 3:46

Tgt Ion:112 Resp: 932525
Ion Ratio Lower Upper
112 100
64 53.1 47.9 71.9
63 26.2 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: 128.11 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF099371.D

Acq: 12 Oct 2017 3:46

Instrument :

BNA_F

ClientSampled :

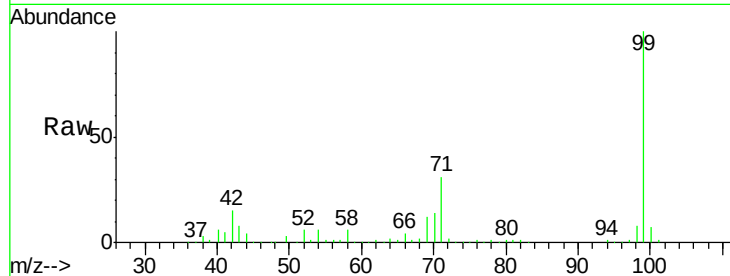
Tot Ion: 99 Resp: 1094916

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

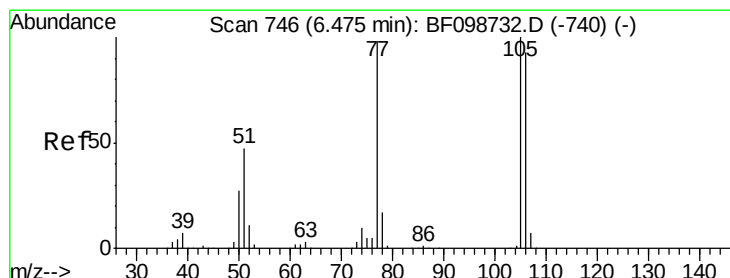
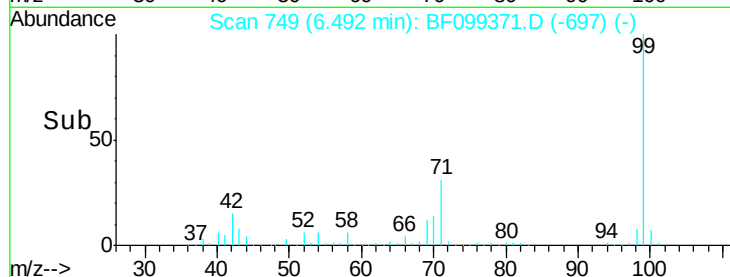
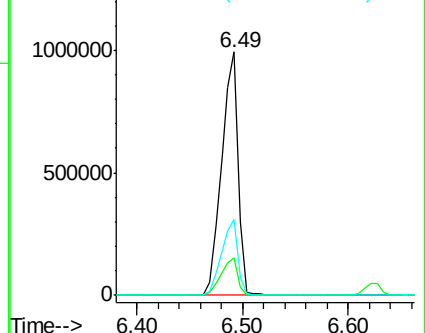
71 31.0 25.4 38.0



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: 3.57 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.22 min

Lab File: BF099371.D

Acq: 12 Oct 2017 3:46

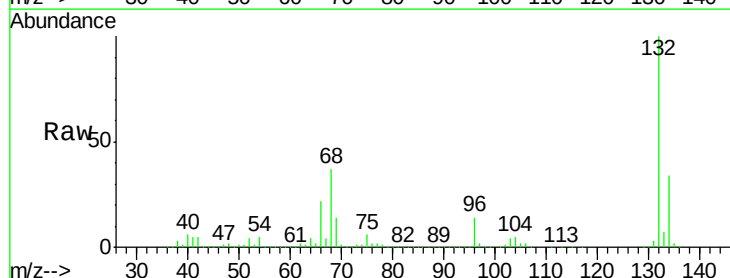
Tgt Ion: 77 Resp: 17708

Ion Ratio Lower Upper

77 100

105 90.3 81.1 121.1

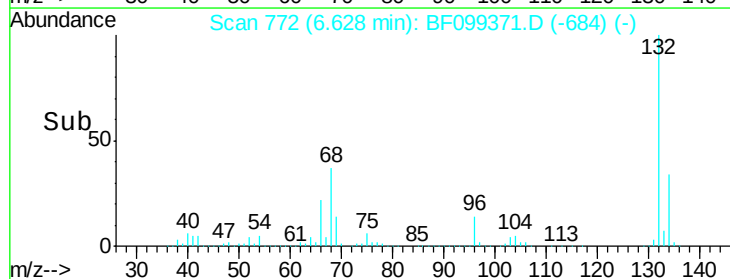
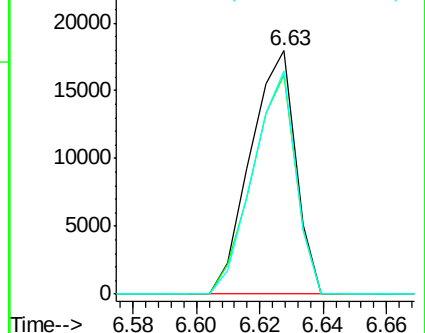
106 91.6 74.5 114.5

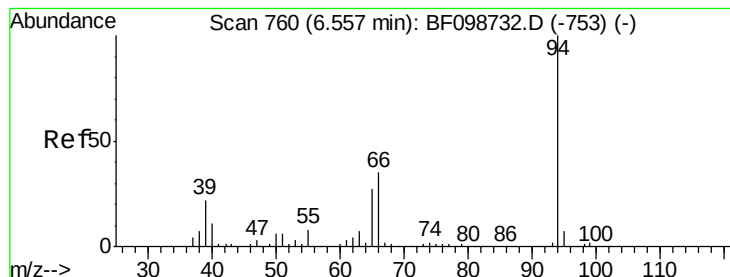


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.46 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF099371.D

Acq: 12 Oct 2017 3:46

Instrument :

BNA_F

ClientSampled :

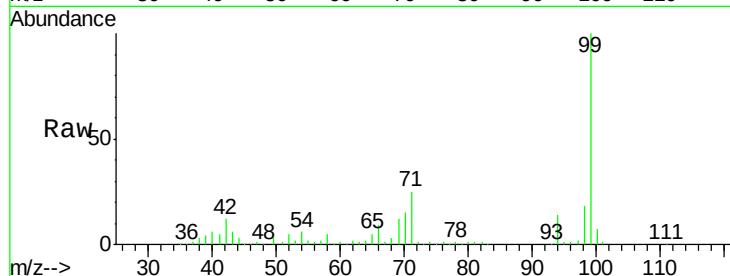
Tot Ion: 94 Resp: 33027

Ion Ratio Lower Upper

94 100

65 31.5 7.9 47.9

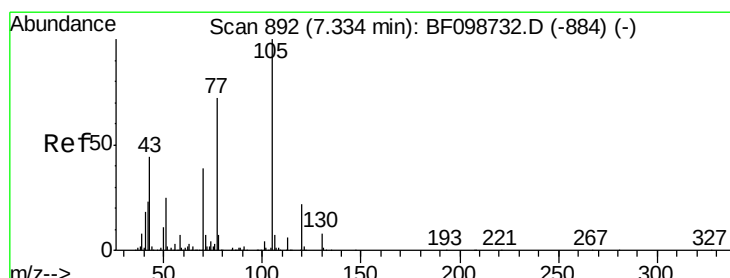
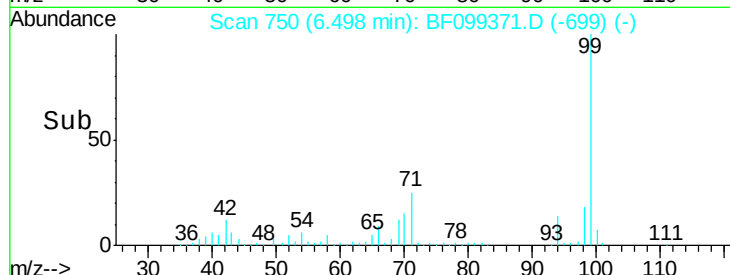
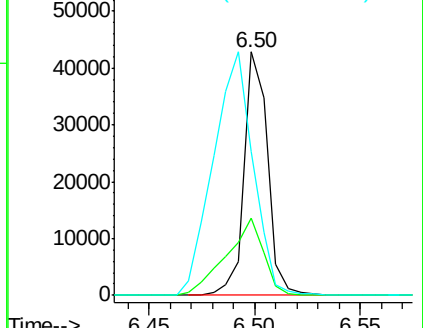
66 59.0 16.2 56.2#



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: 15.84 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF099371.D

Acq: 12 Oct 2017 3:46

Tgt Ion: 70 Resp: 86444

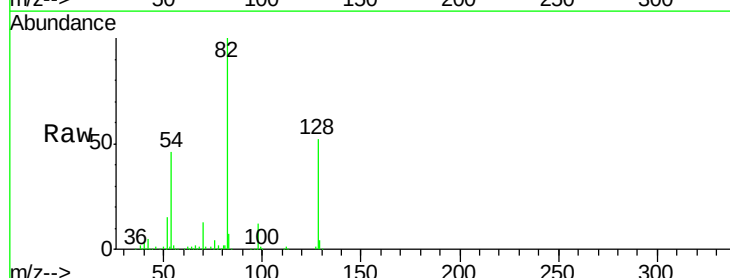
Ion Ratio Lower Upper

70 100

42 40.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

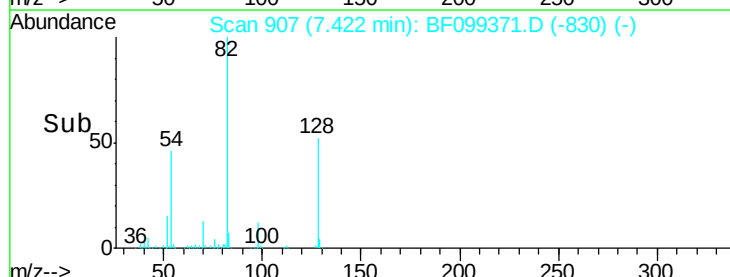
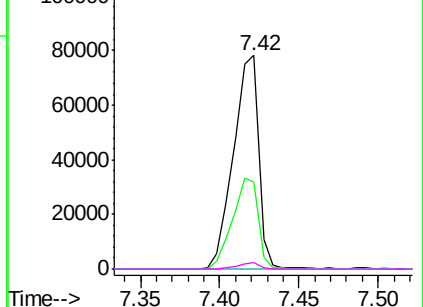


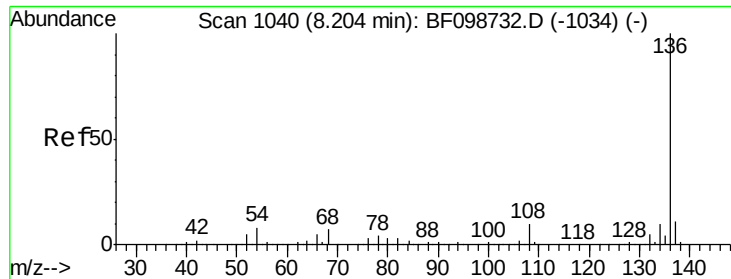
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

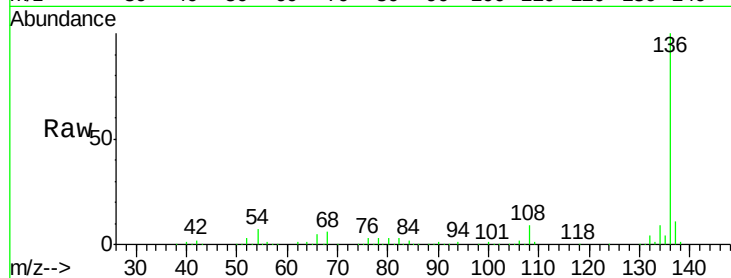




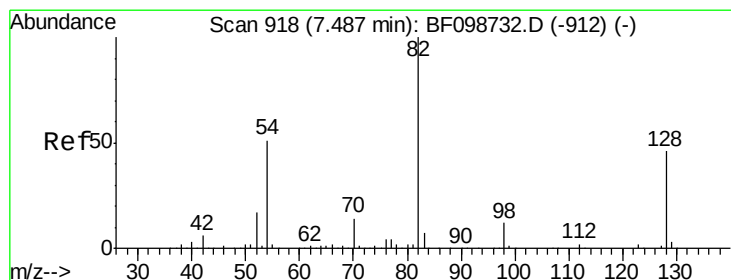
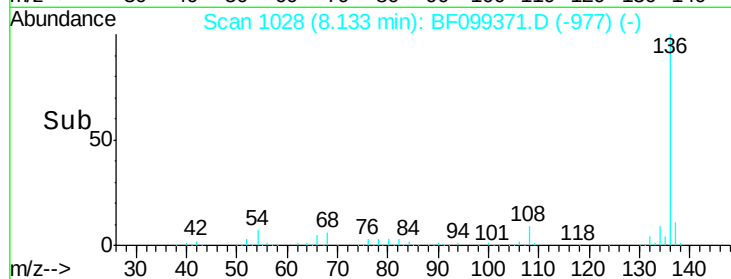
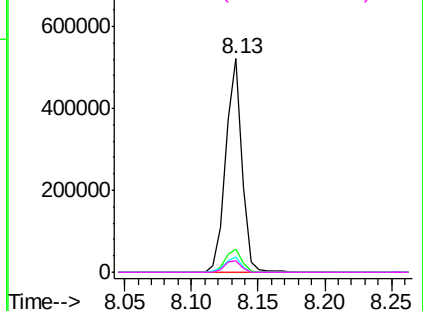
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF099371.D
Acq: 12 Oct 2017 3:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	447700
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.9 13.3
54	7.0	6.6 9.8
68	5.6	5.0 7.4

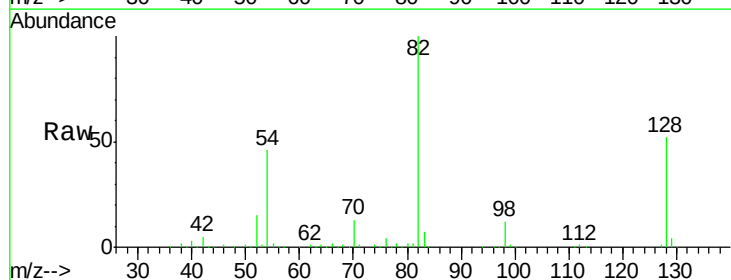


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

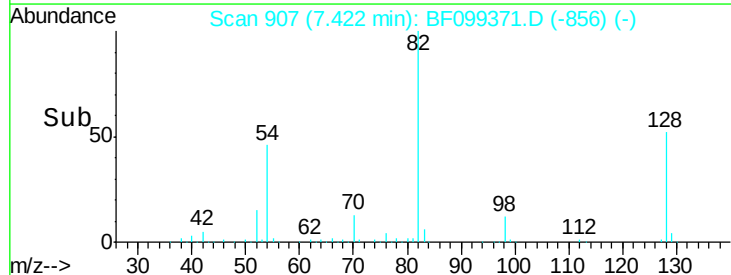
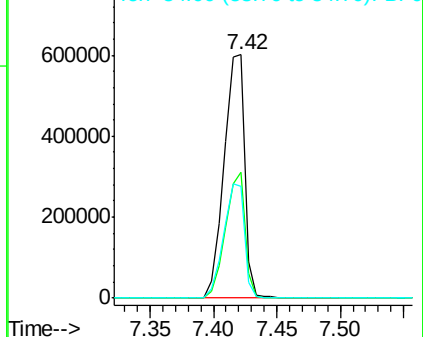


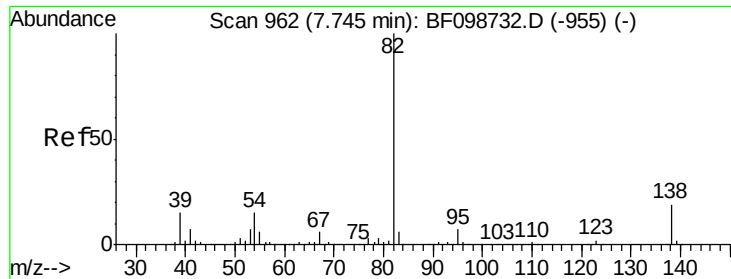
#23
Nitrobenzene-d5
Concen: 97.45 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.00 min
Lab File: BF099371.D
Acq: 12 Oct 2017 3:46

Tgt Ion: 82	Resp:	680284
Ion	Ratio	Lower Upper
82	100	
128	51.8	36.1 54.1
54	46.1	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: 47.14 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.25 min

Lab File: BF099371.D

Acq: 12 Oct 2017 3:46

Instrument :

BNA_F

ClientSampleId :

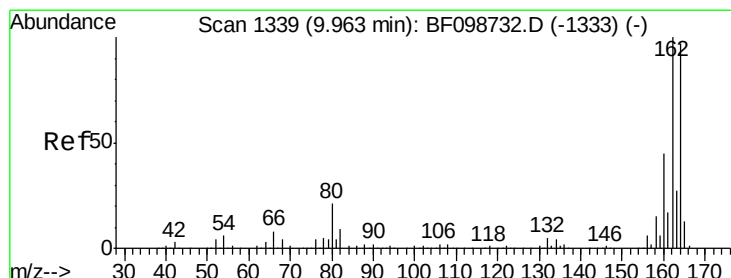
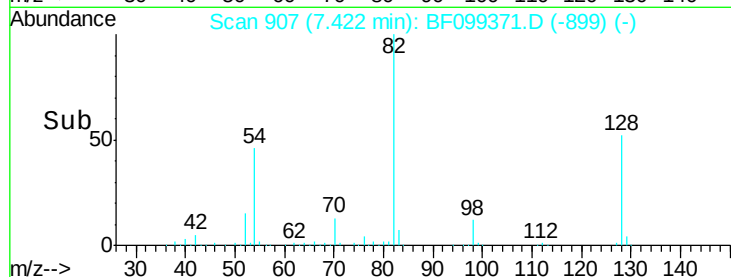
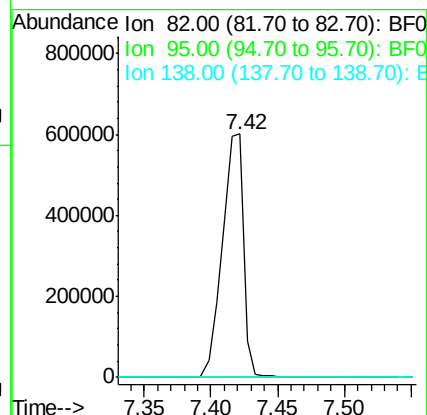
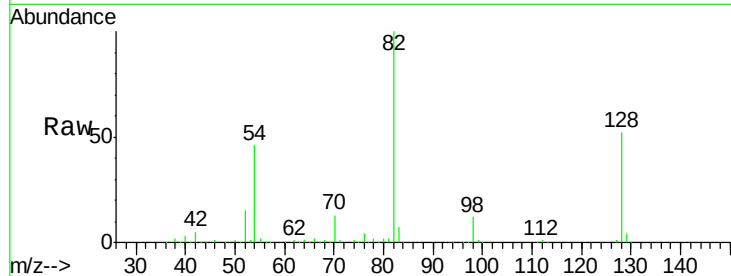
Tot Ion: 82 Resp: 680375

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099371.D

Acq: 12 Oct 2017 3:46

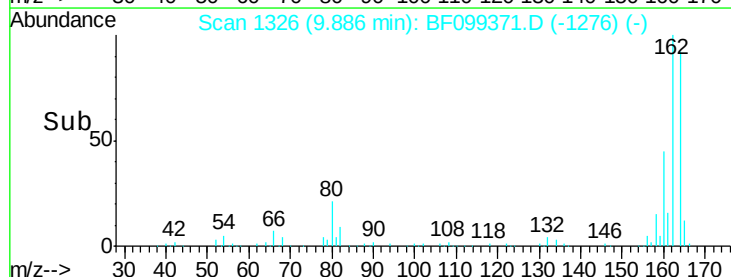
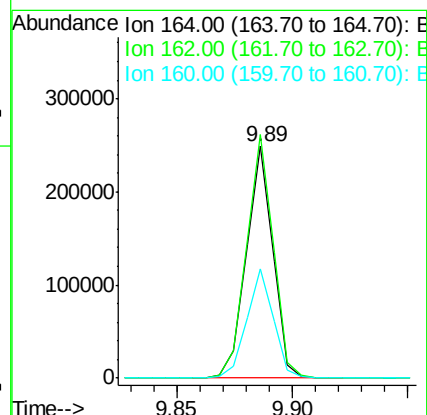
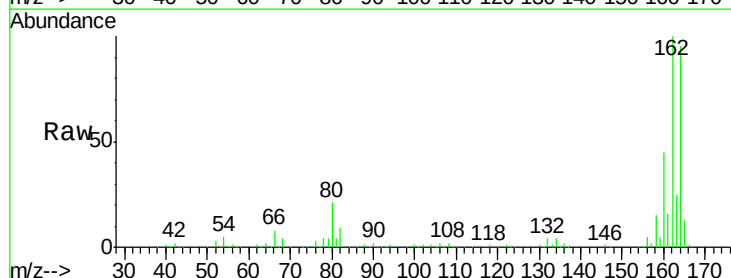
Tgt Ion: 164 Resp: 199811

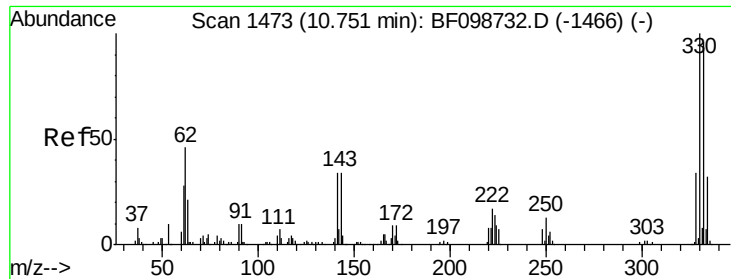
Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

160 46.9 38.3 57.5

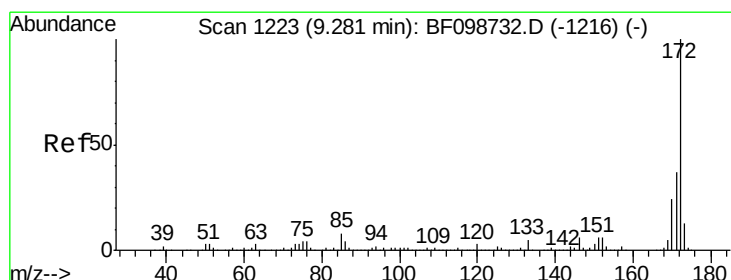
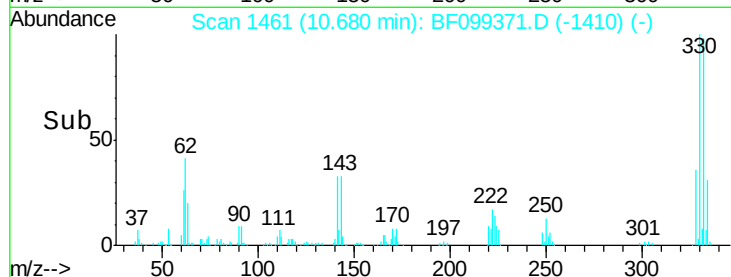
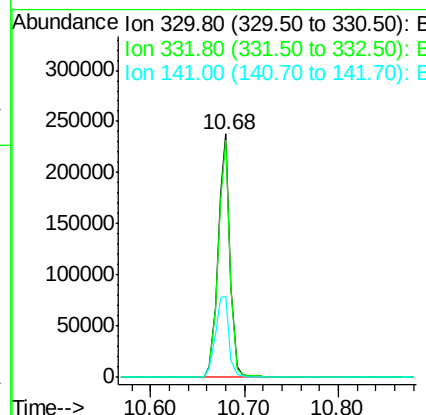
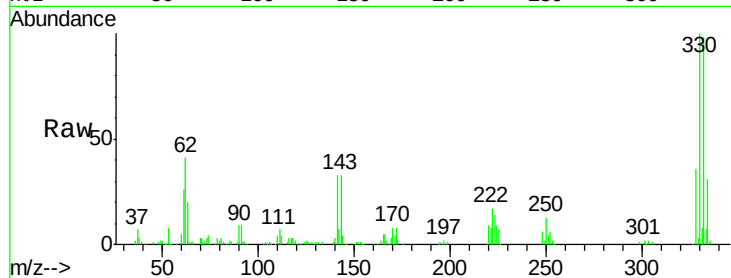




#41
 2,4,6-Tribromophenol
 Concen: 131.21 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: BF099371.D
 Acq: 12 Oct 2017 3:46

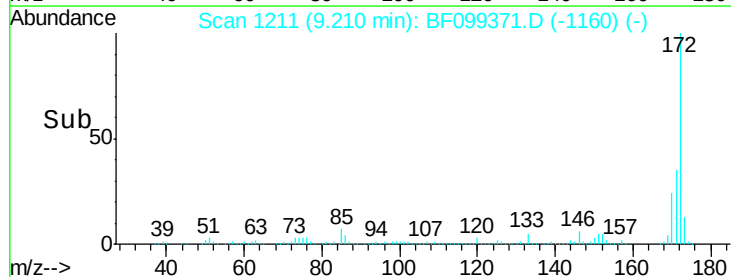
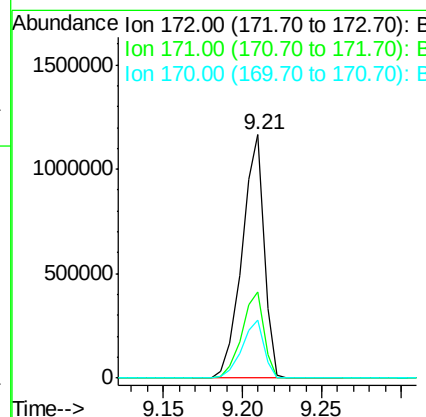
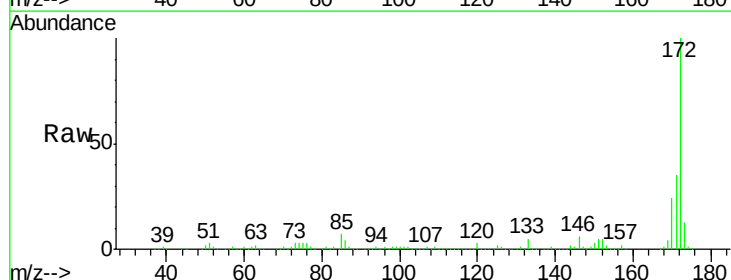
Instrument :
 BNA_F
 ClientSampleId :

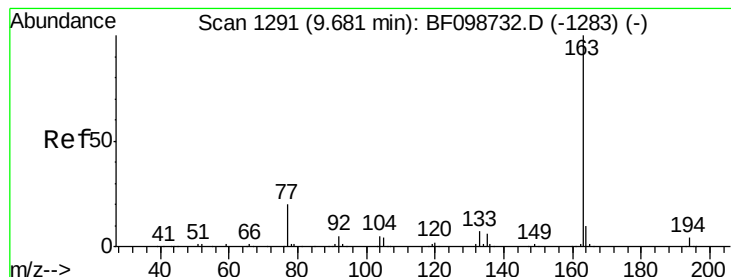
Tot Ion:330 Resp: 214523
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 38.1 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 93.60 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF099371.D
 Acq: 12 Oct 2017 3:46

Tgt Ion:172 Resp: 1120347
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 24.1 19.6 29.4





#49

Dimethylphthalate

Concen: 11.09 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF099371.D

Acq: 12 Oct 2017 3:46

Instrument :

BNA_F

ClientSampleId :

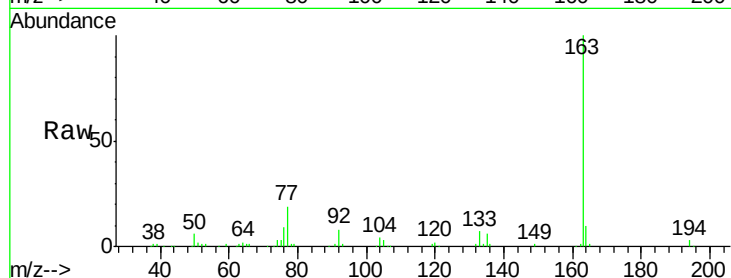
Tot Ion:163 Resp: 167194

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

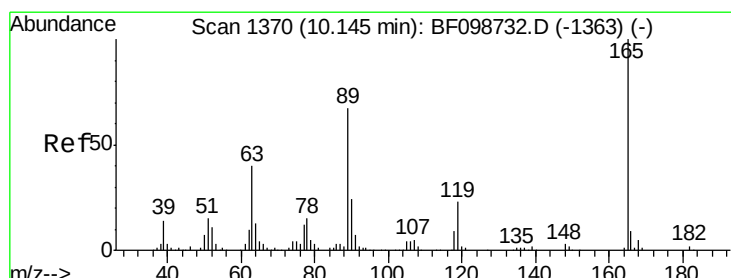
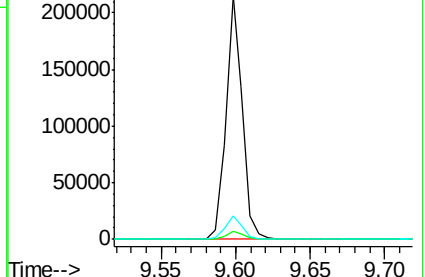
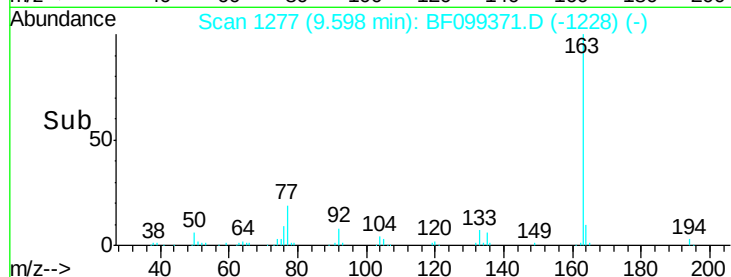
164 9.8 8.2 12.2



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: 5.98 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.20 min

Lab File: BF099371.D

Acq: 12 Oct 2017 3:46

Tgt Ion:165 Resp: 25495

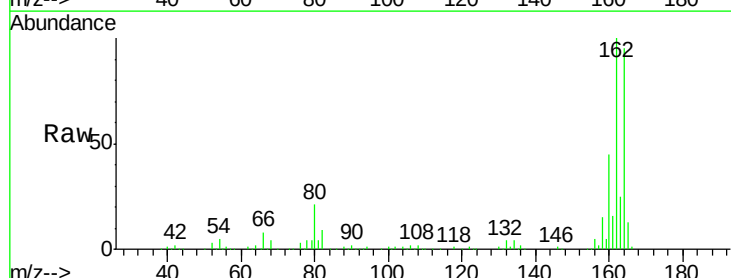
Ion Ratio Lower Upper

165 100

63 0.9 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

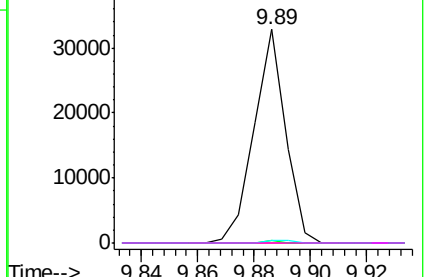
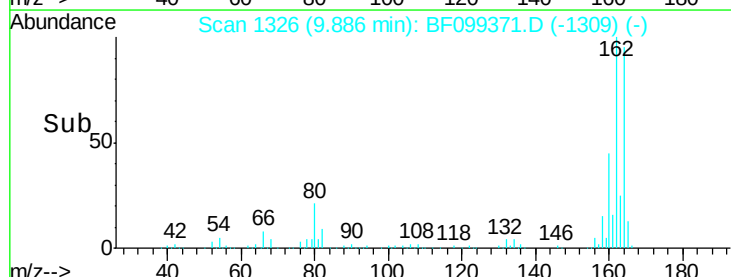


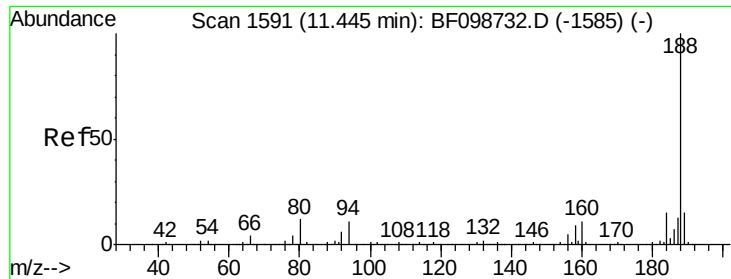
Abundance Ion 165.00 (164.70 to 165.70): E

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

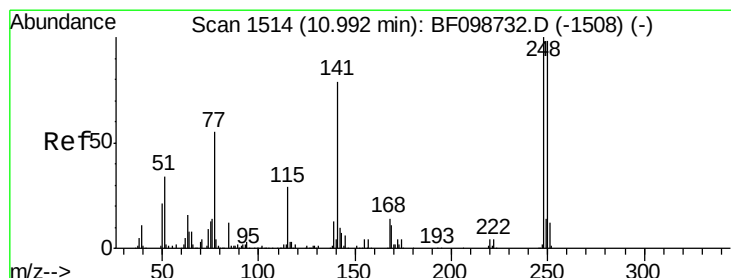
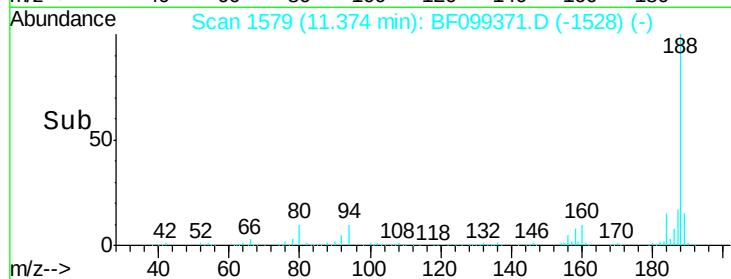
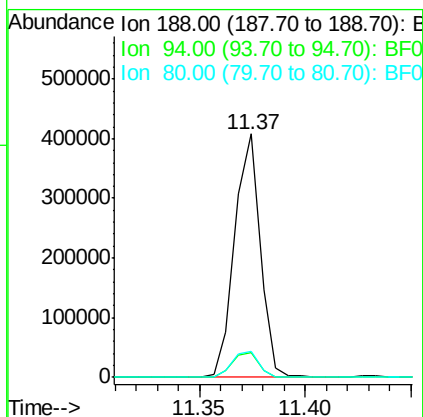
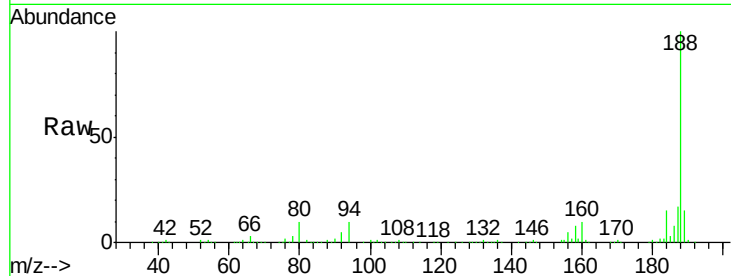




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.00 min
 Lab File: BF099371.D
 Acq: 12 Oct 2017 3:46

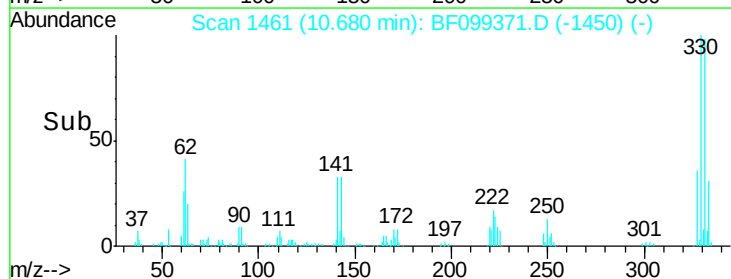
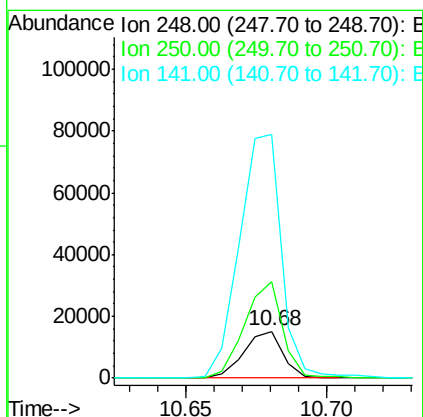
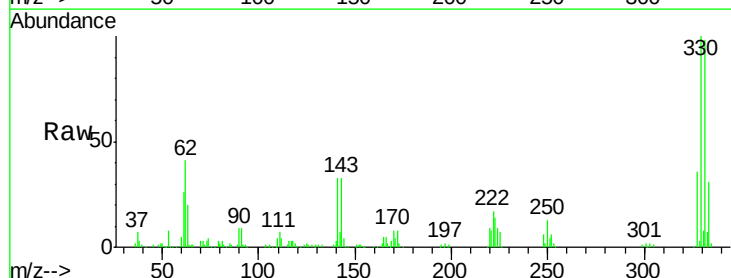
Instrument :
 BNA_F
 ClientSampled :

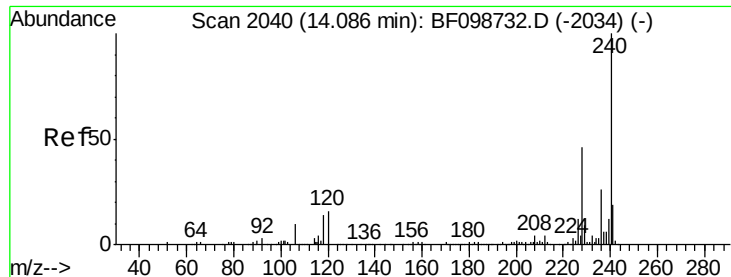
Tot Ion:188 Resp: 340778
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.5 12.7
 80 10.4 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.37 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.24 min
 Lab File: BF099371.D
 Acq: 12 Oct 2017 3:46

Tgt Ion:248 Resp: 14582
 Ion Ratio Lower Upper
 248 100
 250 204.5 76.9 115.3#
 141 517.7 74.4 111.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF099371.D

Acq: 12 Oct 2017 3:46

Instrument :

BNA_F

ClientSampleId :

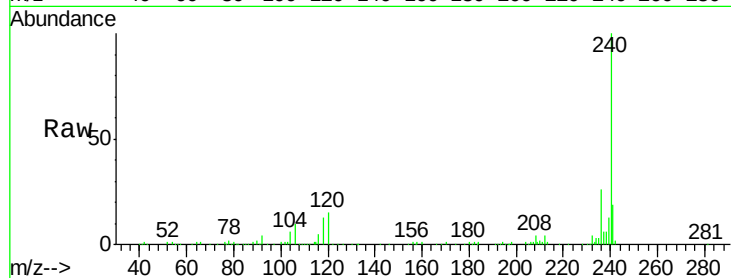
Tot Ion:240 Resp: 174307

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

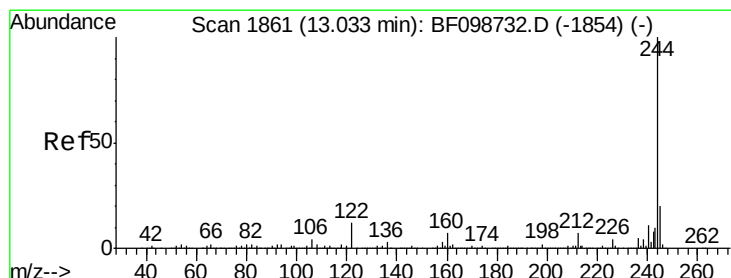
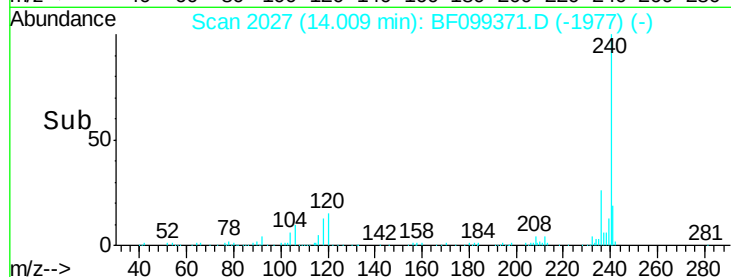
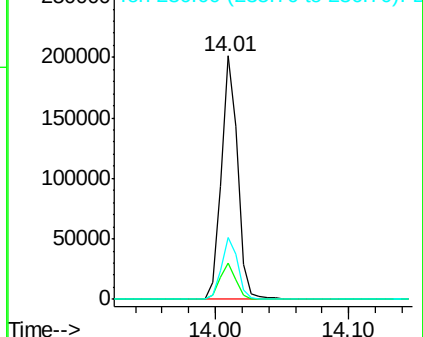
236 25.6 20.7 31.1



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: 102.37 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF099371.D

Acq: 12 Oct 2017 3:46

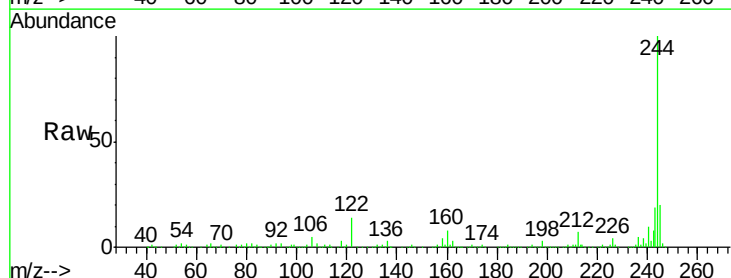
Tgt Ion:244 Resp: 784605

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

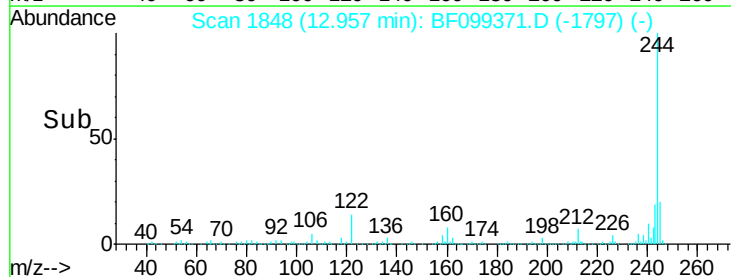
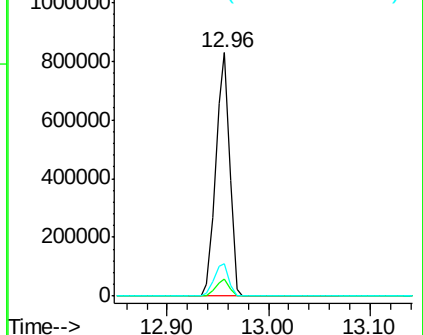
122 13.5 11.0 16.4

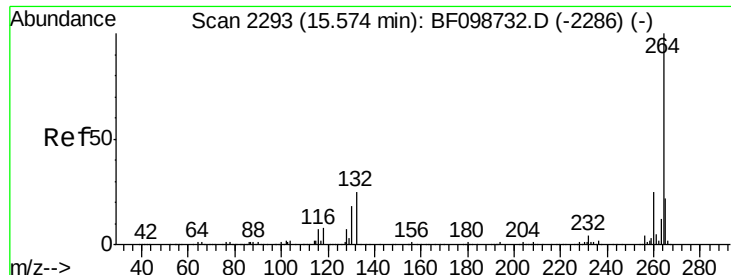


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

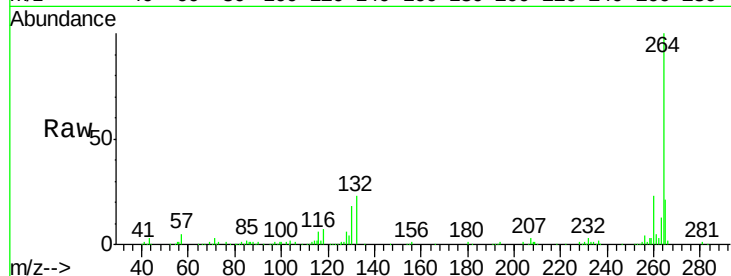




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BF099371.D
Acq: 12 Oct 2017 3:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	169435
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.2	28.8
265	21.2	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

