

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098858.D
 Acq On : 27 Sep 2017 12:53
 Operator : SJ/JU
 Sample : I5396-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:47:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

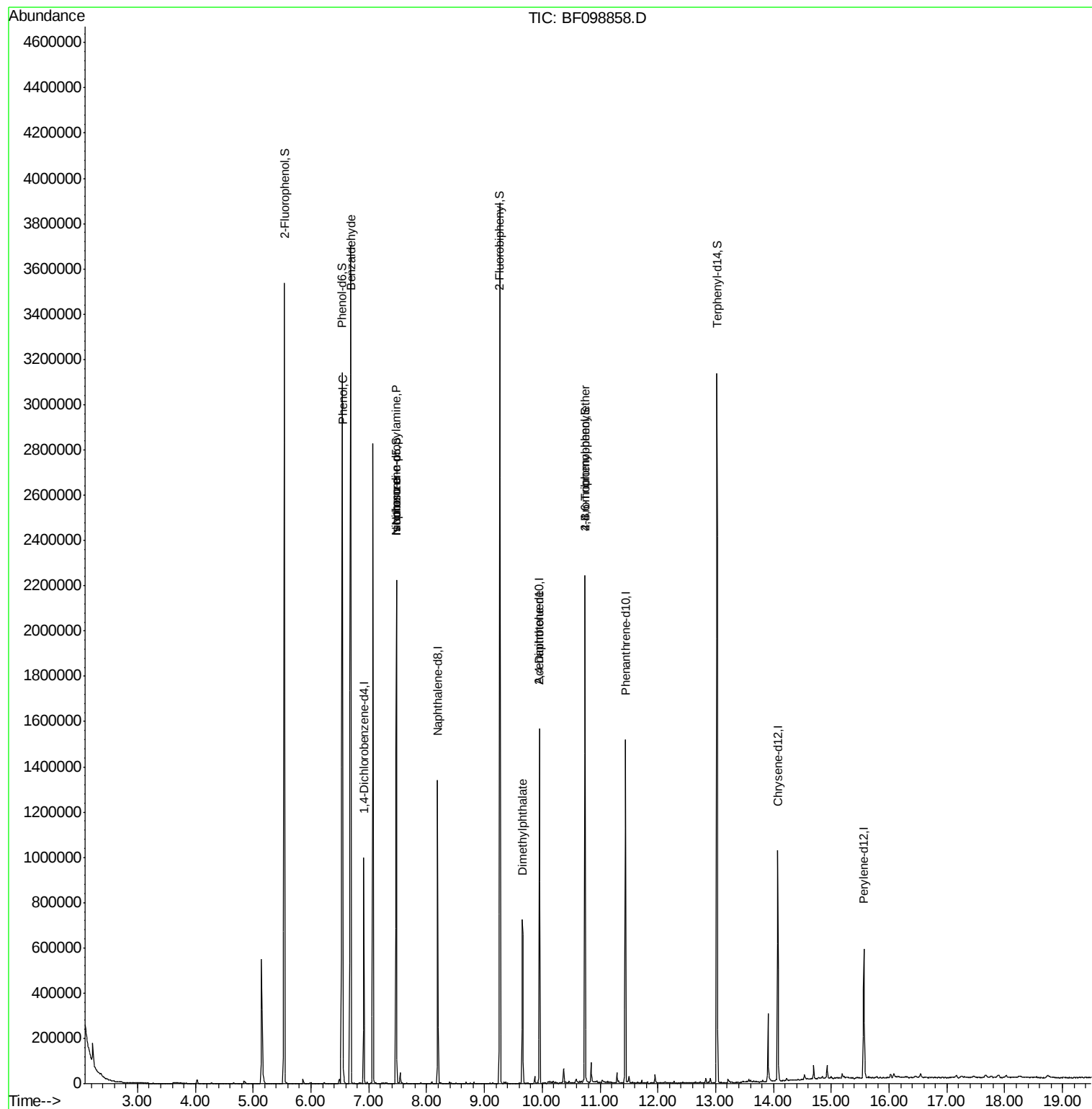
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	144568	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	597964	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	280125	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	484387	20.00	ng	0.00
75) Chrysene-d12	14.07	240	288177	20.00	ng	-0.01
86) Perylene-d12	15.56	264	252003	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1100383	121.17	ng	0.00
7) Phenol-d6	6.54	99	1366487	121.97	ng	0.00
23) Nitrobenzene-d5	7.47	82	782441	83.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	275483	120.18	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1219520	72.68	ng	-0.01
78) Terphenyl-d14	13.02	244	1005957	79.39	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.69	77	23083	3.55	ng	85
10) Phenol	6.55	94	38671	3.09	ng	99
19) n-Nitroso-di-n-propylamine	7.47	70	103056	14.41	ng	# 76
25) Isophorone	7.47	82	782435	40.59	ng	# 64
49) Dimethylphthalate	9.66	163	291755	13.80	ng	98
56) 2,4-Dinitrotoluene	9.95	165	35292	5.91	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	18680	3.94	ng	# 1

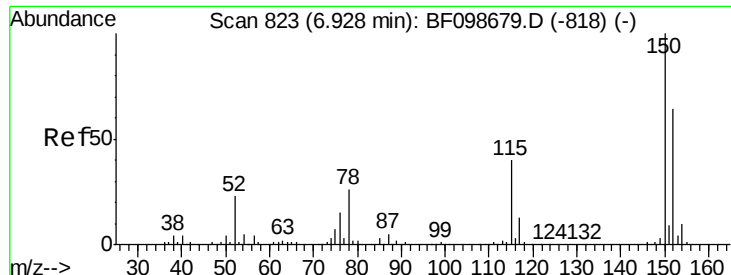
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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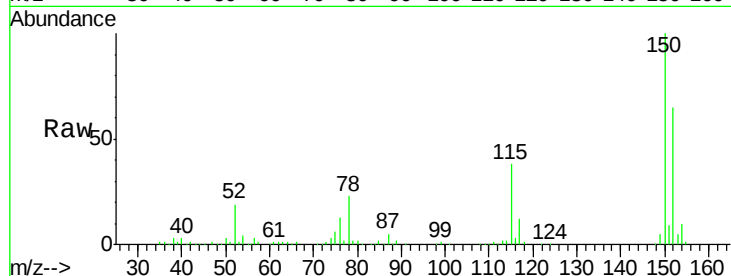


#1

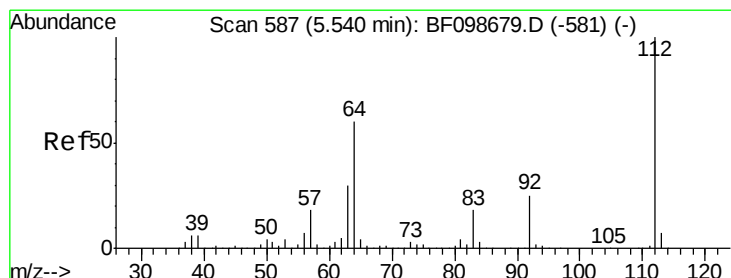
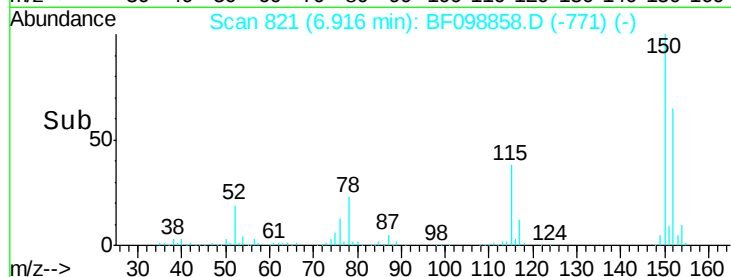
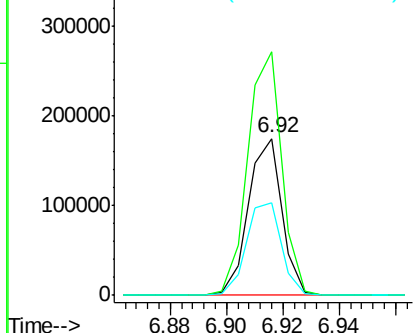
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098858.D
Acq: 27 Sep 2017 12:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144568
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 59.1 50.1 75.1



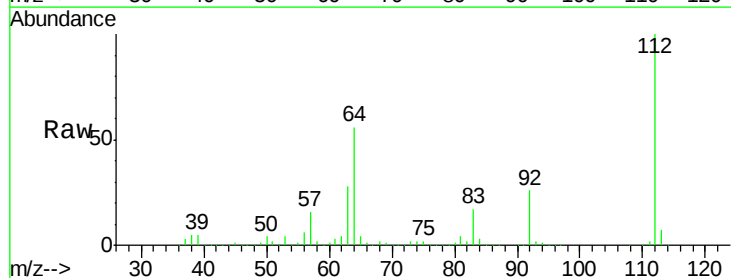
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



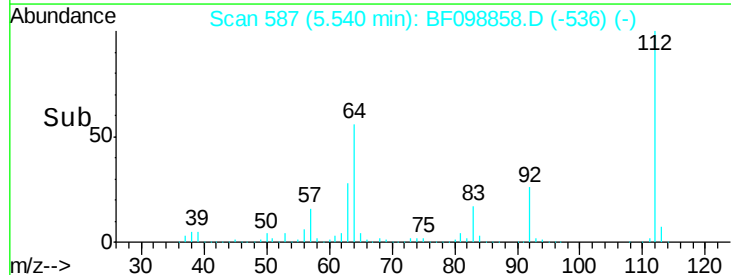
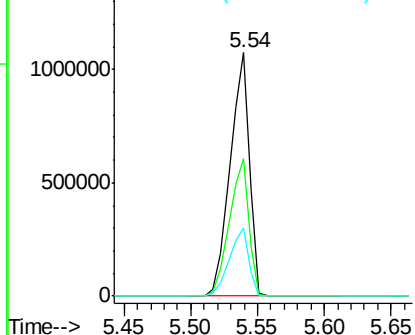
#5

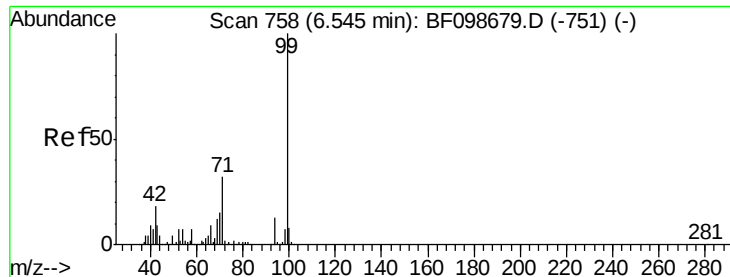
2-Fluorophenol
Concen: 121.17 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.00 min
Lab File: BF098858.D
Acq: 27 Sep 2017 12:53

Tgt Ion:112 Resp: 1100383
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 27.9 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: 121.97 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098858.D

Acq: 27 Sep 2017 12:53

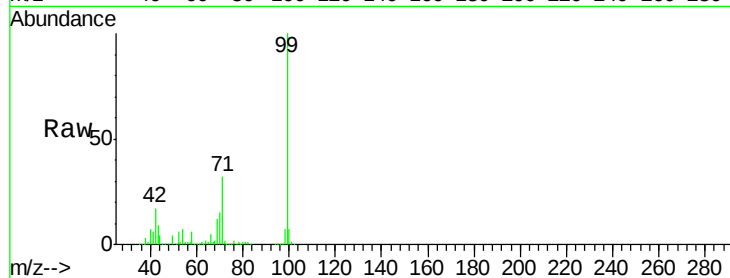
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1366487

Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.5	21.7
71	32.0	25.4	38.0

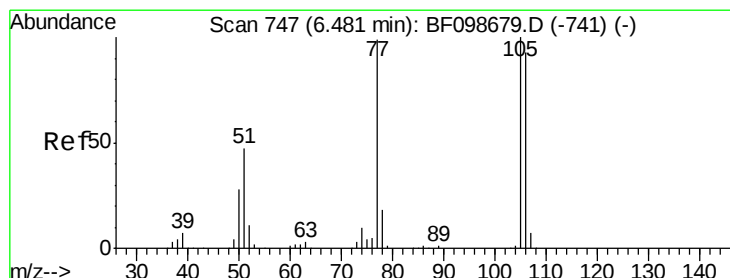
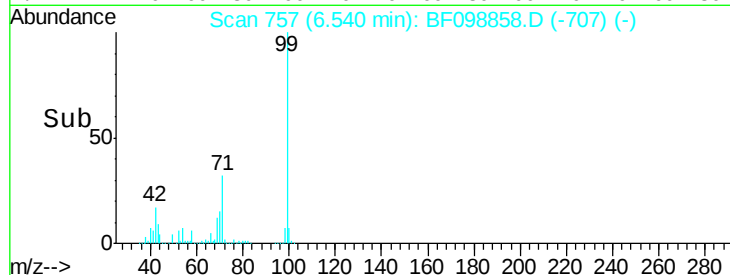
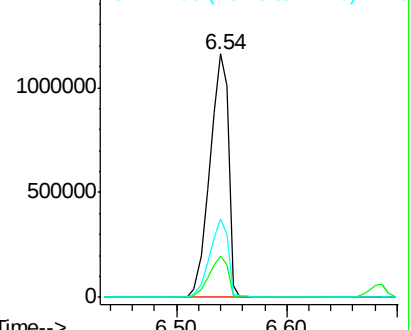


Abundance

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: 3.55 ng

RT: 6.69 min Scan# 782

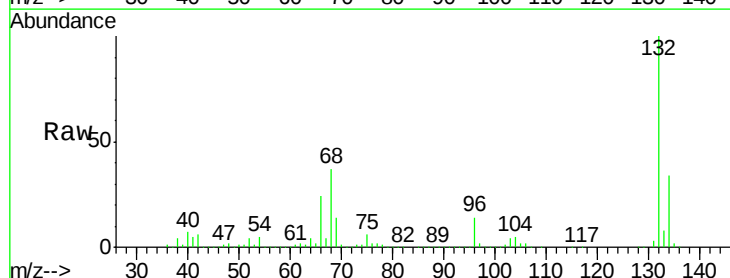
Delta R.T. 0.21 min

Lab File: BF098858.D

Acq: 27 Sep 2017 12:53

Tgt Ion: 77 Resp: 23083

Ion	Ratio	Lower	Upper
77	100		
105	85.5	81.1	121.1
106	80.6	74.5	114.5

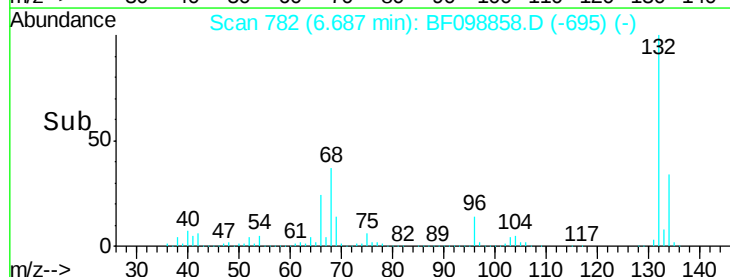
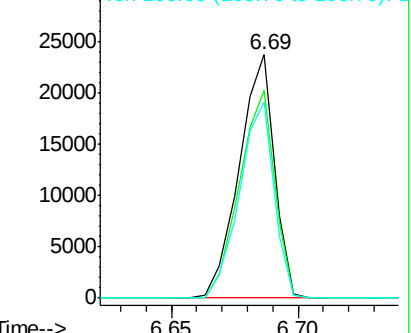


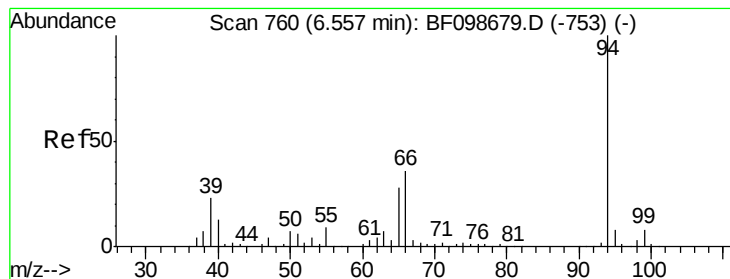
Abundance

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: 3.09 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF098858.D

Acq: 27 Sep 2017 12:53

Instrument :

BNA_F

ClientSampleId :

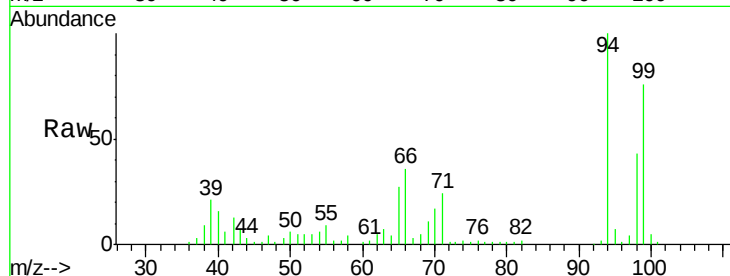
Tot Ion: 94 Resp: 38671

Ion Ratio Lower Upper

94 100

65 27.5 7.9 47.9

66 36.4 16.2 56.2

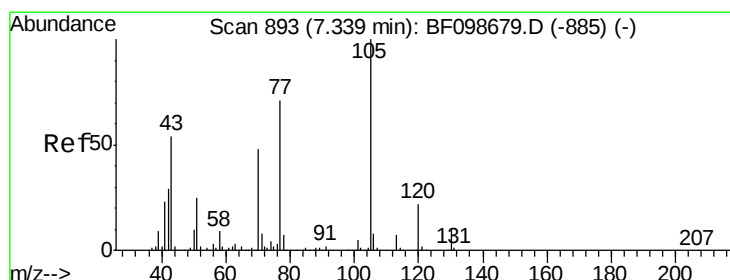
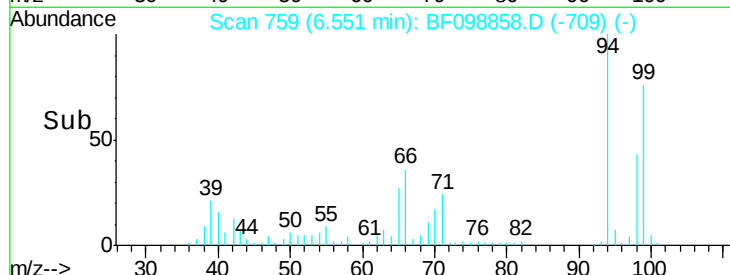
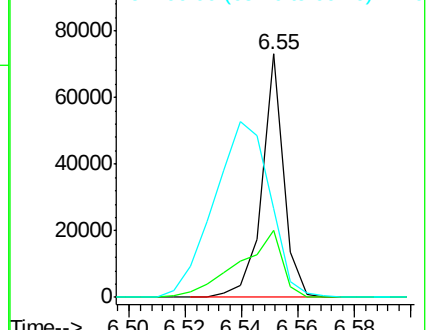


Abundance

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: 14.41 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098858.D

Acq: 27 Sep 2017 12:53

Tgt Ion: 70 Resp: 103056

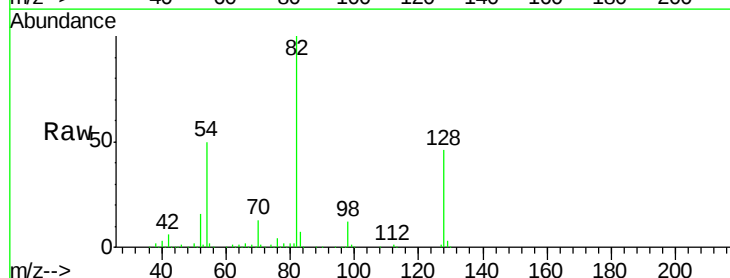
Ion Ratio Lower Upper

70 100

42 45.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#



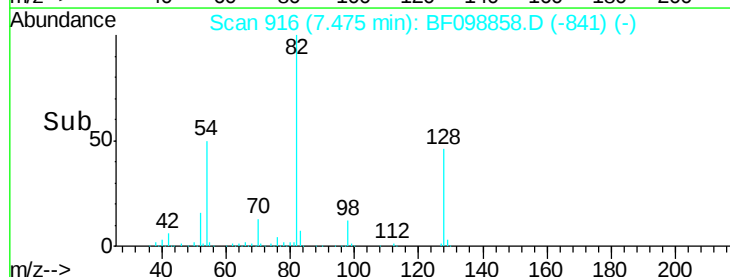
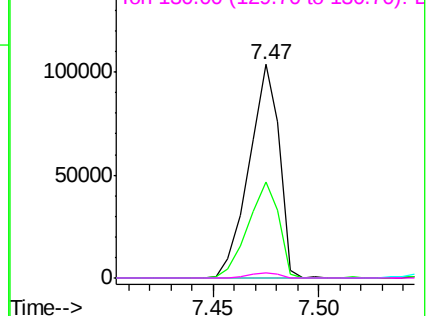
Abundance

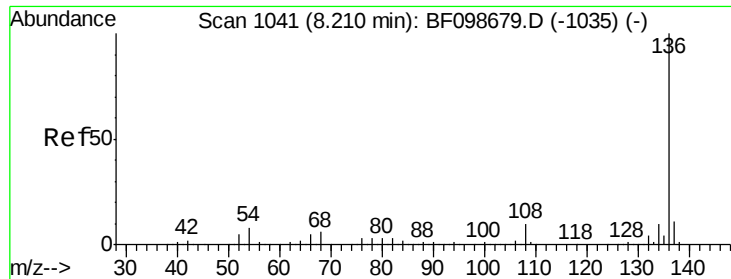
Ion 70.00 (69.70 to 70.70): BF0

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

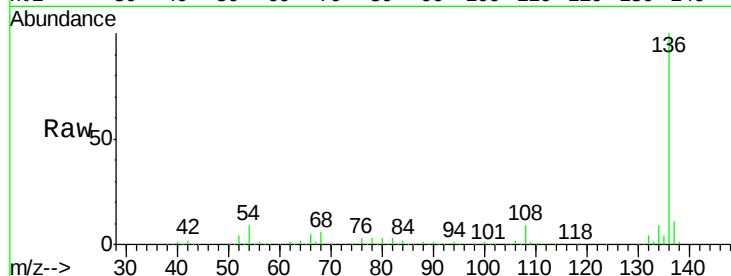




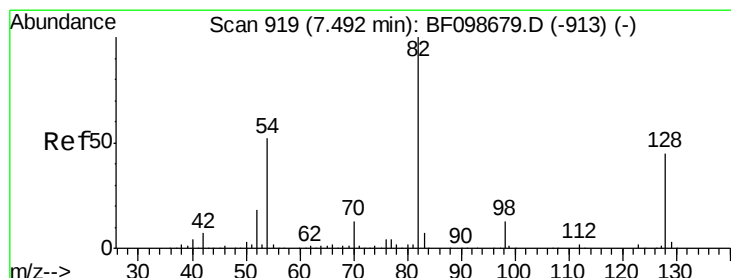
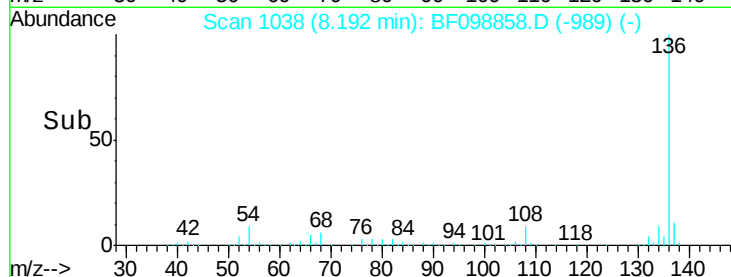
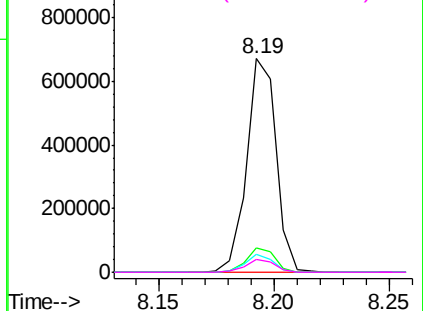
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF098858.D
Acq: 27 Sep 2017 12:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	597964
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	8.6	6.6	9.8
68	6.3	5.0	7.4

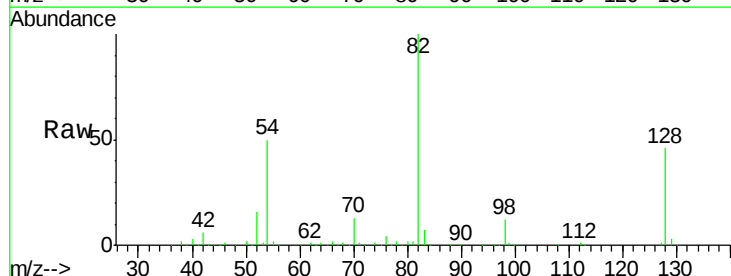


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

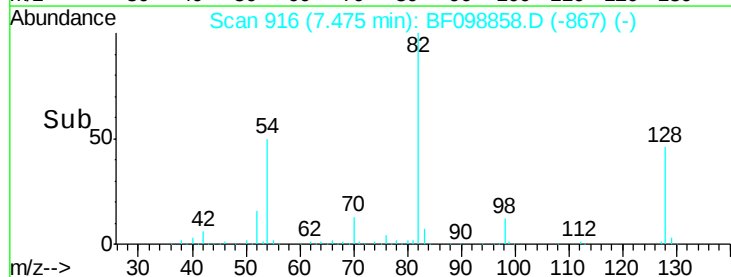
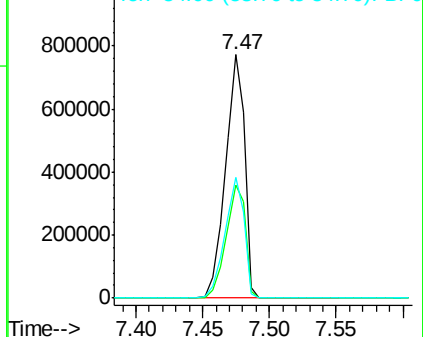


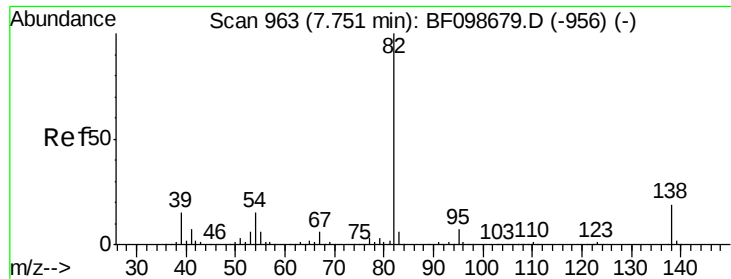
#23
Nitrobenzene-d5
Concen: 83.91 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098858.D
Acq: 27 Sep 2017 12:53

Tgt Ion:	82	Resp:	782441
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	49.5	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: 40.59 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098858.D

Acq: 27 Sep 2017 12:53

Instrument :

BNA_F

ClientSampleId :

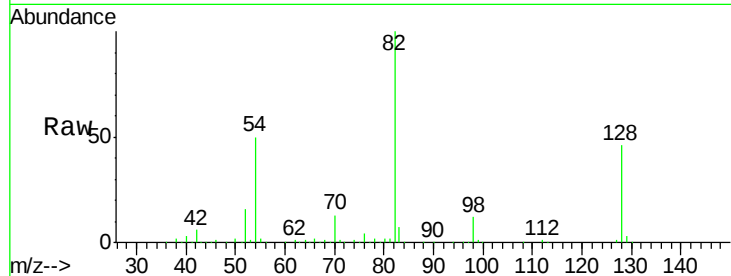
Tot Ion: 82 Resp: 782435

Ion Ratio Lower Upper

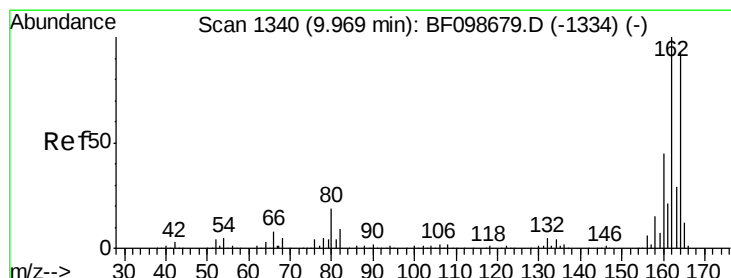
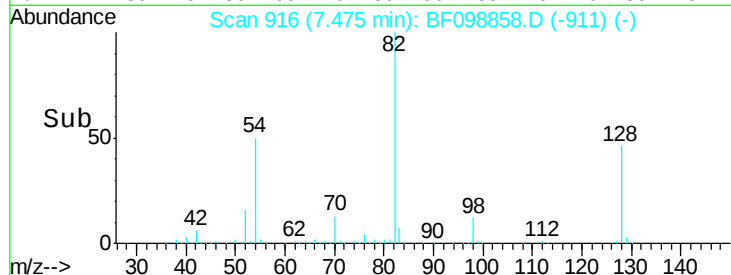
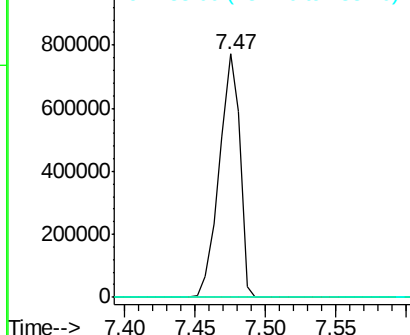
82 100

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: 20.00 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098858.D

Acq: 27 Sep 2017 12:53

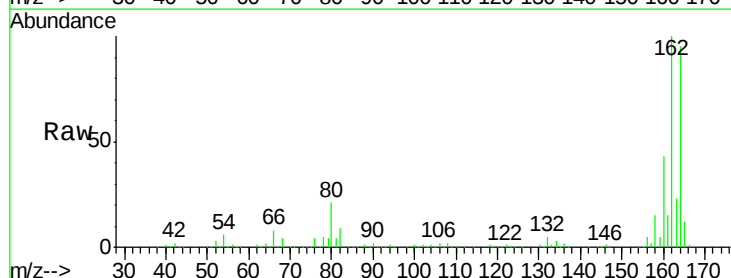
Tgt Ion: 164 Resp: 280125

Ion Ratio Lower Upper

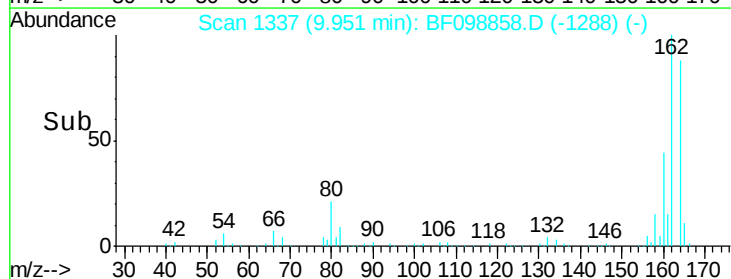
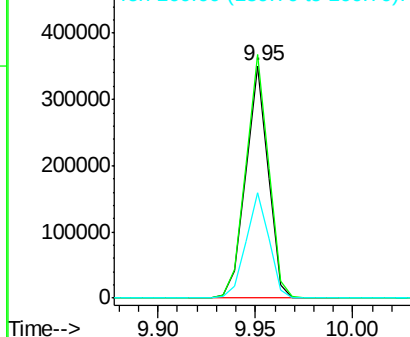
164 100

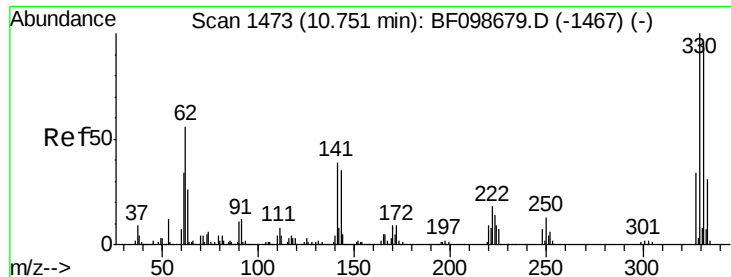
162 104.8 86.1 129.1

160 45.4 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

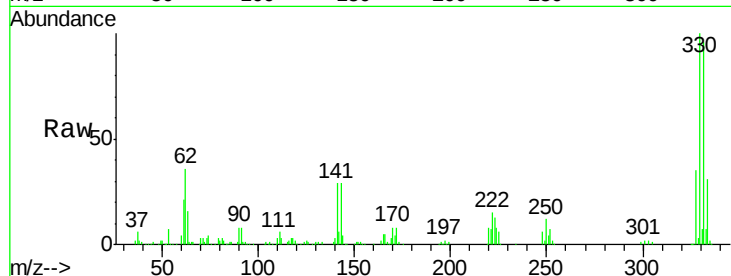




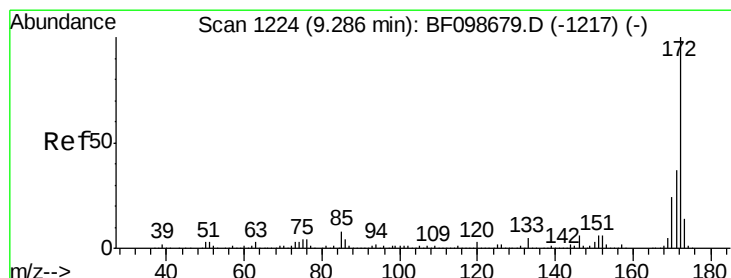
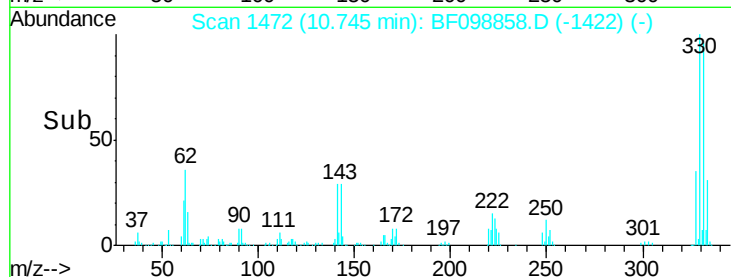
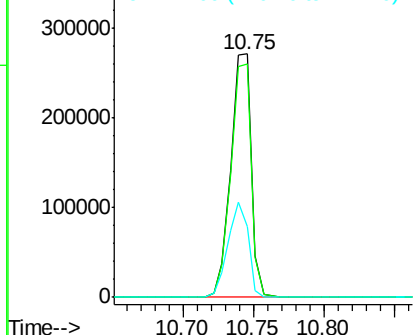
#41
 2,4,6-Tribromophenol
 Concen: 120.18 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098858.D
 Acq: 27 Sep 2017 12:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 275483
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 38.8 29.9 44.9

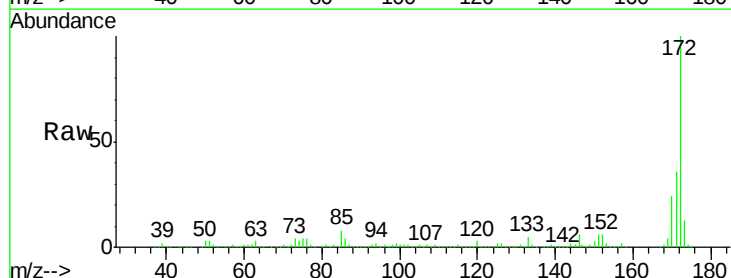


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

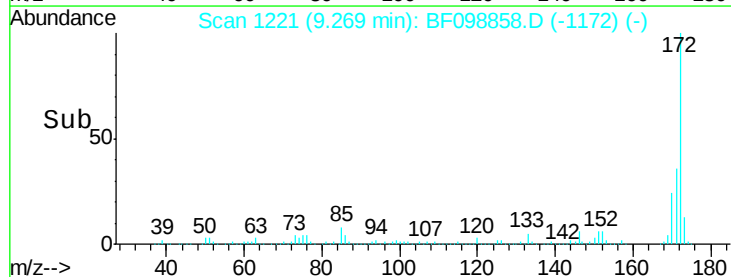
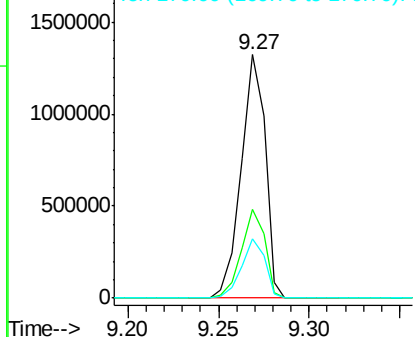


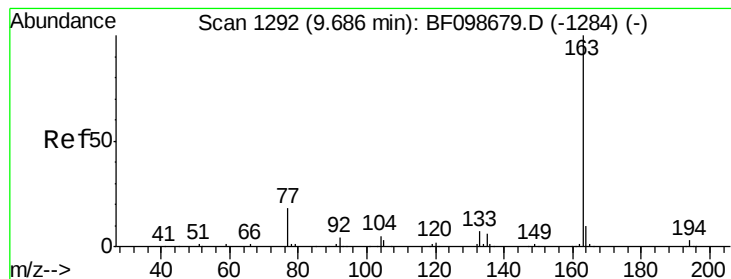
#44
 2-Fluorobiphenyl
 Concen: 72.68 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098858.D
 Acq: 27 Sep 2017 12:53

Tgt Ion:172 Resp: 1219520
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.4 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: 13.80 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098858.D

Acq: 27 Sep 2017 12:53

Instrument :

BNA_F

ClientSampleId :

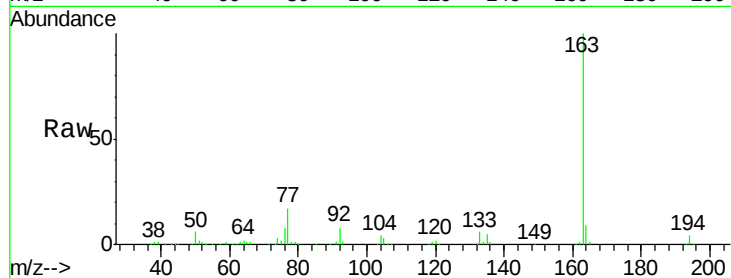
Tot Ion:163 Resp: 291755

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

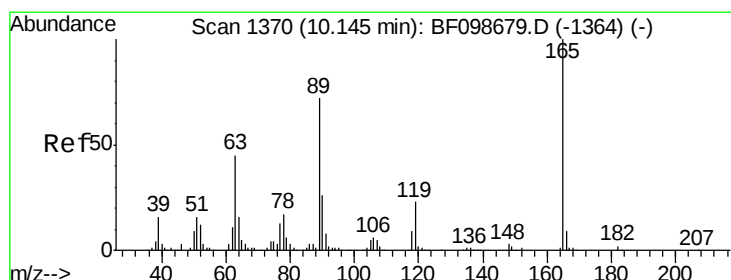
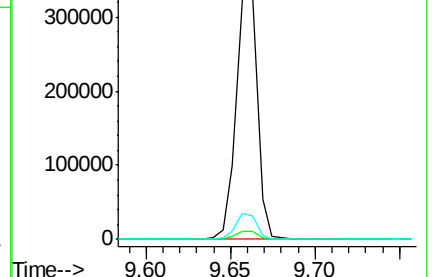
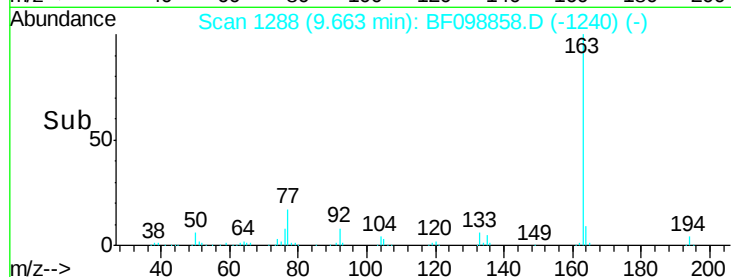
164 9.5 8.2 12.2



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: 5.91 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.19 min

Lab File: BF098858.D

Acq: 27 Sep 2017 12:53

Tgt Ion:165 Resp: 35292

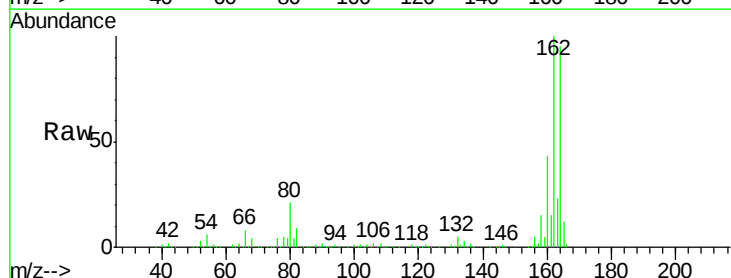
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

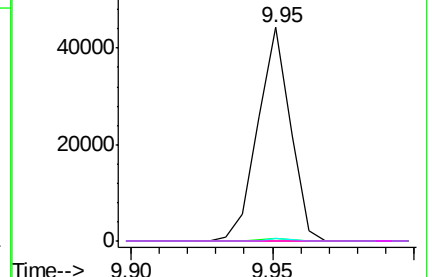
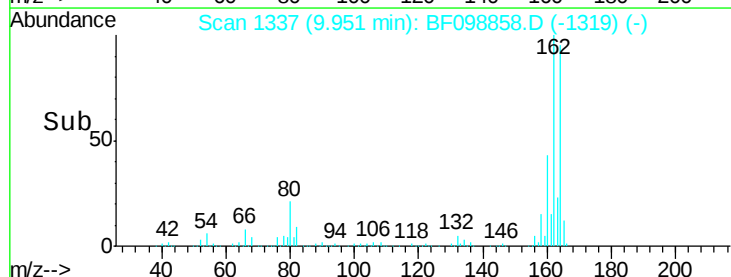


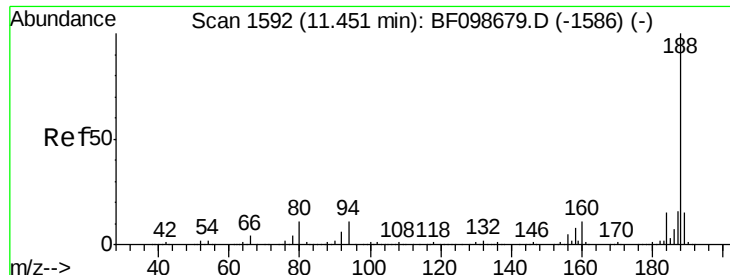
Abundance Ion 165.00 (164.70 to 165.70): E

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

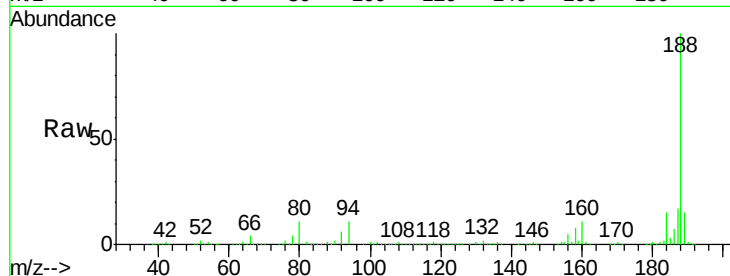




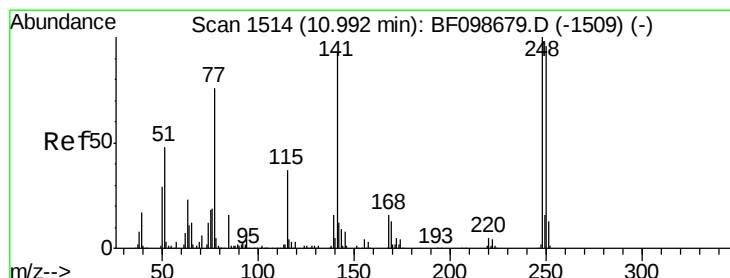
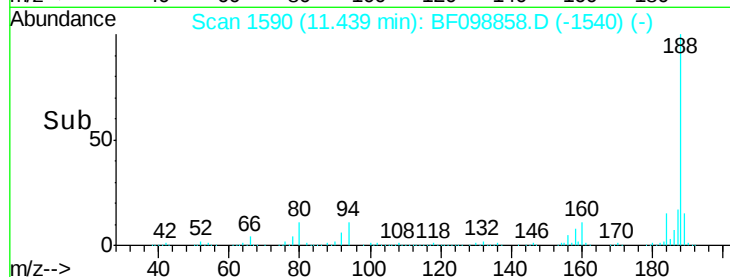
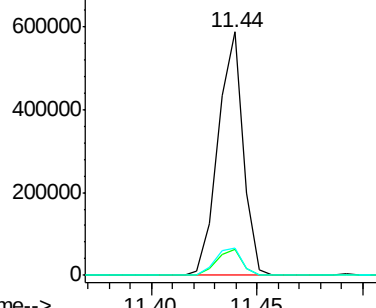
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098858.D
 Acq: 27 Sep 2017 12:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.4	9.2	13.8

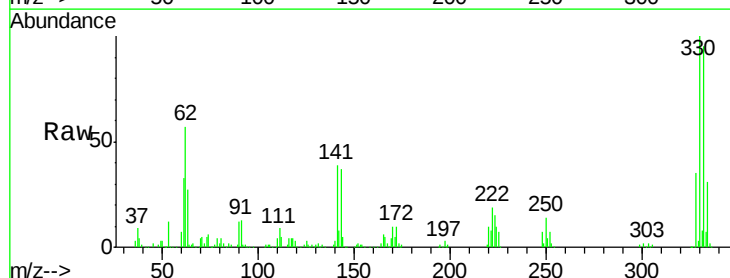


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

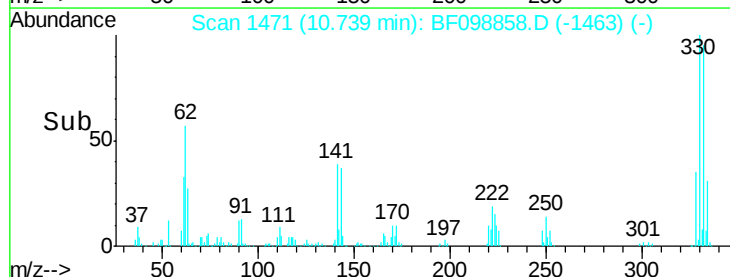
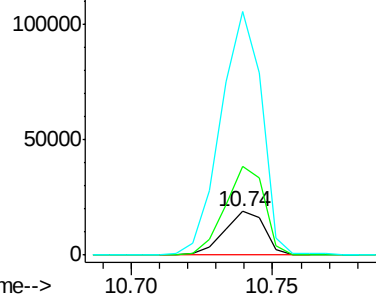


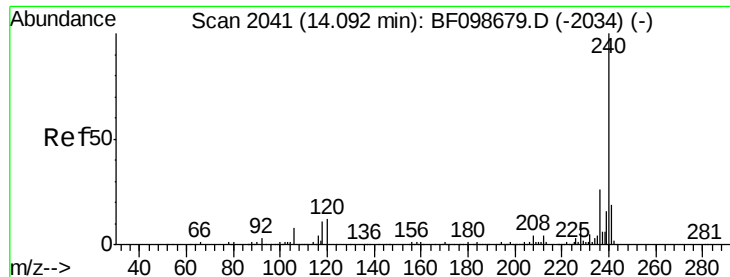
#66
 4-Bromophenyl-phenylether
 Concen: 3.94 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.25 min
 Lab File: BF098858.D
 Acq: 27 Sep 2017 12:53

Tgt Ion	Ratio	Lower	Upper
248	100		
250	202.1	76.9	115.3#
141	558.3	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: 20.00 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098858.D

Acq: 27 Sep 2017 12:53

Instrument :

BNA_F

ClientSampleId :

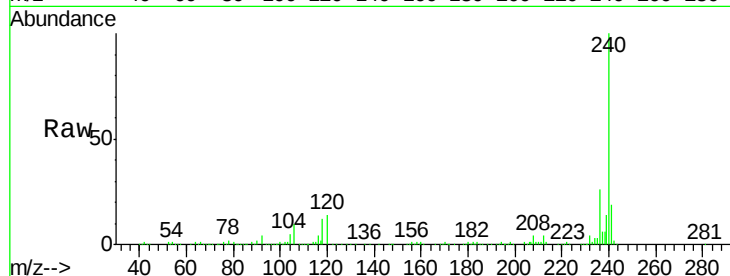
Tot Ion:240 Resp: 288177

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

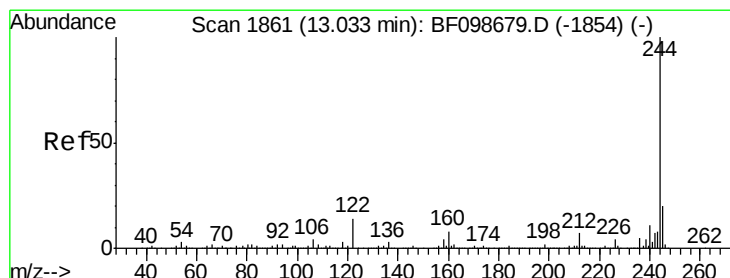
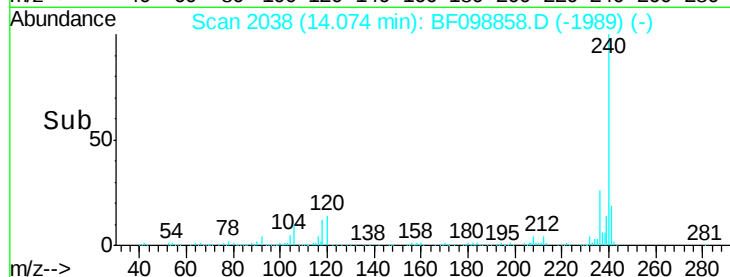
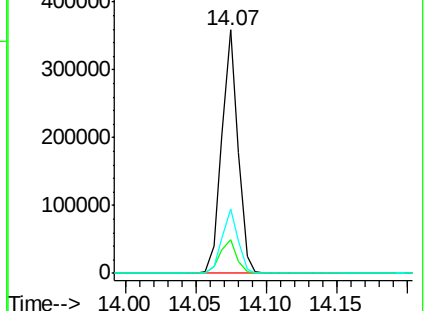
236 26.2 20.7 31.1



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: 79.39 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098858.D

Acq: 27 Sep 2017 12:53

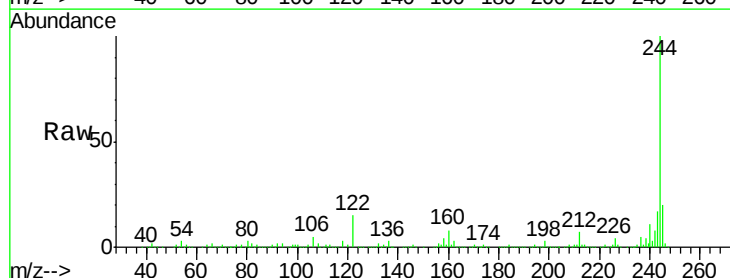
Tgt Ion:244 Resp: 1005957

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

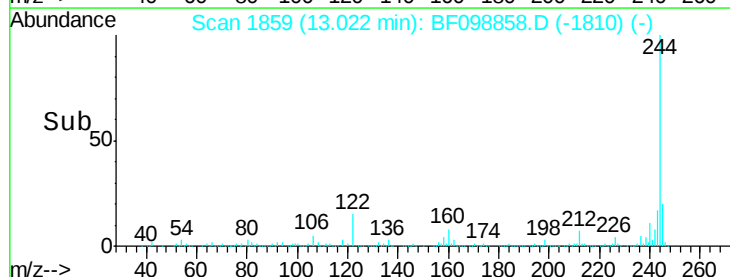
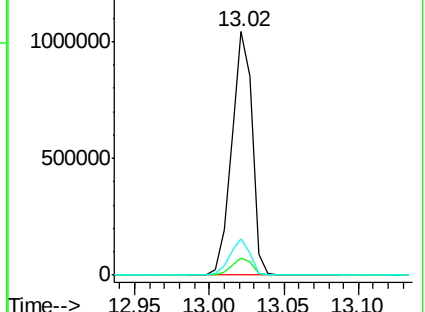
122 14.8 11.0 16.4

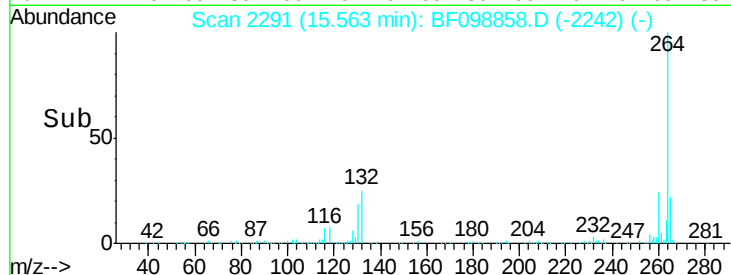
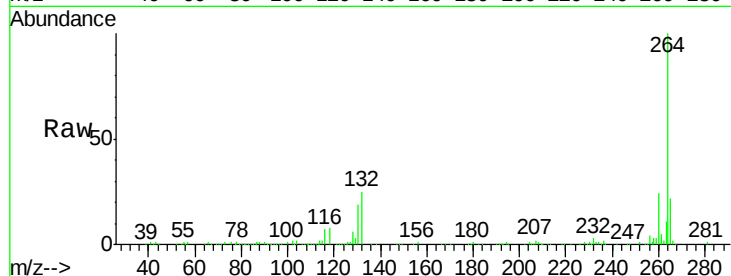
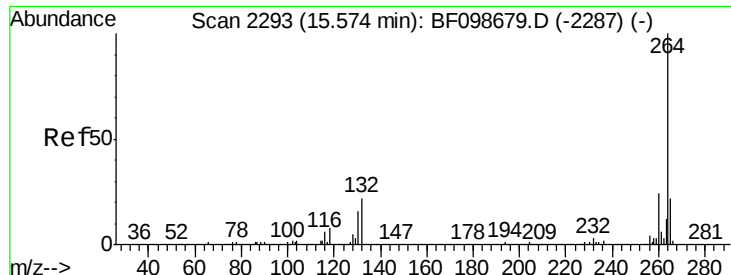


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF098858.D
Acq: 27 Sep 2017 12:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	252003
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.7	17.5	26.3

