

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110617\
 Data File : BF100266.D
 Acq On : 6 Nov 2017 22:15
 Operator : SJ/JU
 Sample : I6332-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 07 00:20:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 13:31:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	100872	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	409860	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	196989	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	346737	20.00	ng	0.00
75) Chrysene-d12	13.94	240	190641	20.00	ng	0.00
86) Perylene-d12	15.40	264	175176	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	344856	53.67	ng	0.01
7) Phenol-d6	6.42	99	246273	32.33	ng	0.00
23) Nitrobenzene-d5	7.33	82	559559	87.90	ng	0.00
41) 2,4,6-Tribromophenol	10.59	330	216180	120.42	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1081586	84.71	ng	0.00
78) Terphenyl-d14	12.87	244	907749	104.06	ng	0.00

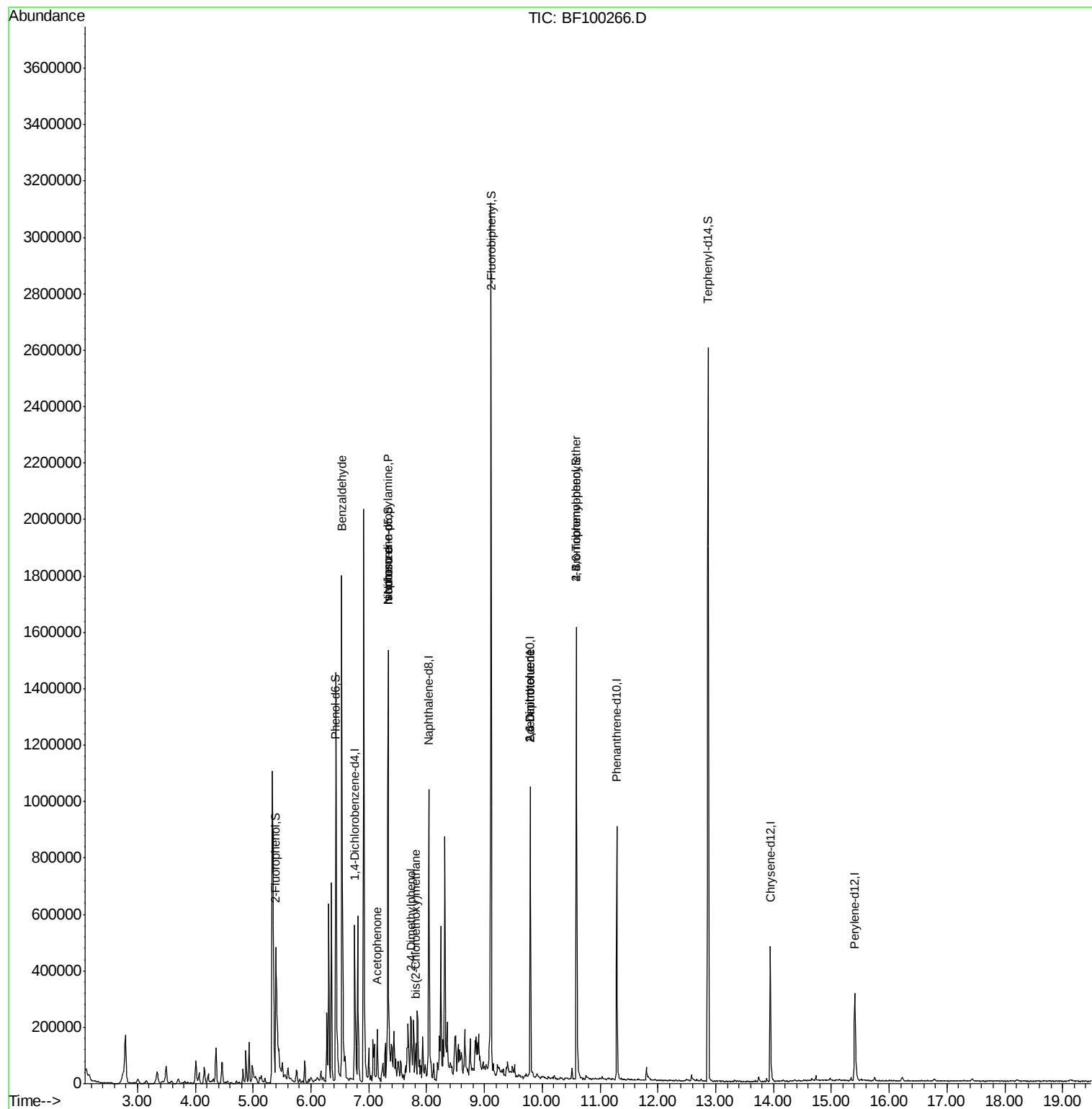
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	12935	2.841	ng	93
19) n-Nitroso-di-n-propylamine	7.33	70	73913	16.556	ng	# 70
22) Acetophenone	7.15	105	80534	8.630	ng	# 57
25) Isophorone	7.33	82	559559	48.438	ng	# 64
27) 2,4-Dimethylphenol	7.73	122	66661	12.314	ng	# 84
28) bis(2-Chloroethoxy)methane	7.81	93	19797	2.447	ng	# 51
50) 2,6-Dinitrotoluene	9.79	165	25850	7.882	ng	# 26
56) 2,4-Dinitrotoluene	9.79	165	25850	6.545	ng	# 23
66) 4-Bromophenyl-phenylether	10.59	248	13981	3.830	ng	# 1

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

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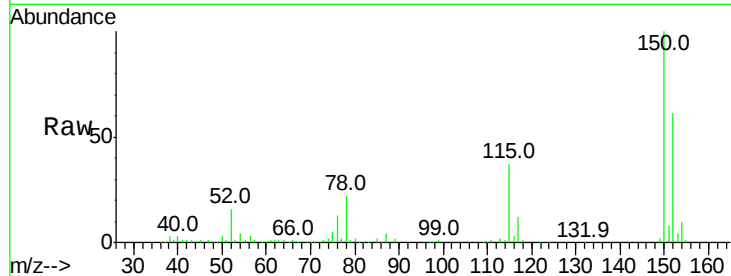


#1

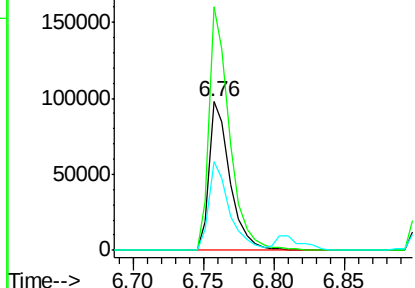
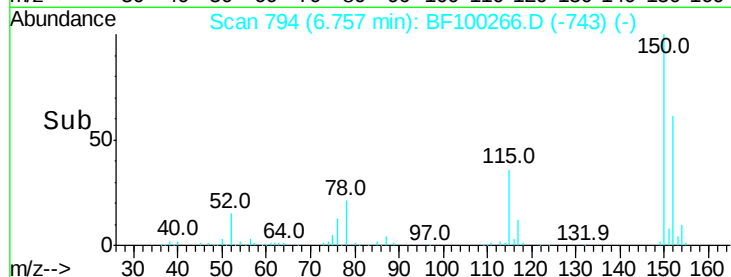
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.76 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: BF100266.D
 Acq: 6 Nov 2017 22:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 100872
 Ion Ratio Lower Upper
 152 100
 150 164.0 124.6 186.8
 115 60.0 50.1 75.1



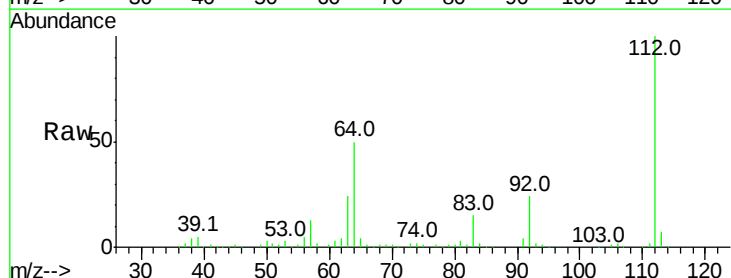
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



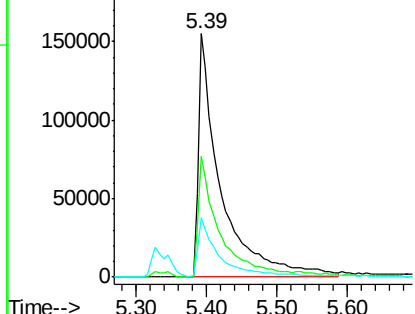
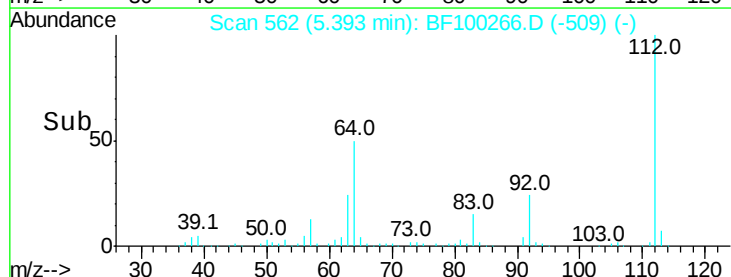
#5

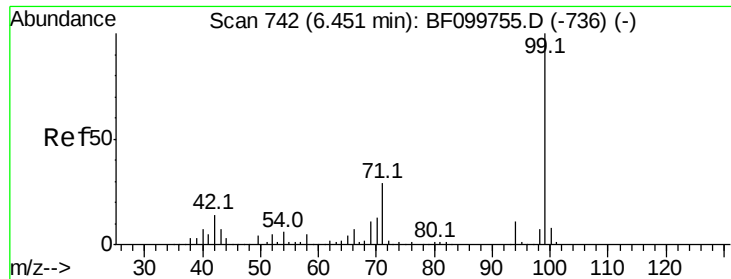
2-Fluorophenol
 Concen: 53.673 ng
 RT: 5.39 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: BF100266.D
 Acq: 6 Nov 2017 22:15

Tgt Ion:112 Resp: 344856
 Ion Ratio Lower Upper
 112 100
 64 49.8 47.9 71.9
 63 24.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 32.326 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.01 min

Lab File: BF100266.D

Acq: 6 Nov 2017 22:15

Instrument :

BNA_F

ClientSampleId :

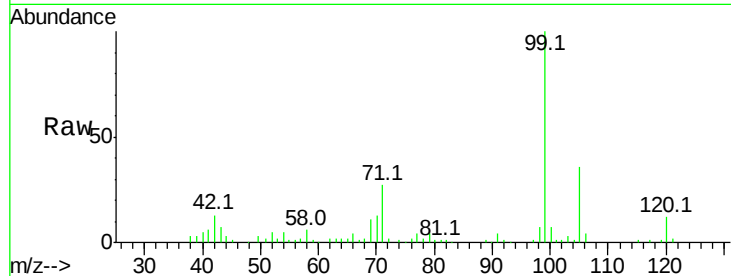
Tot Ion: 99 Resp: 246273

Ion Ratio Lower Upper

99 100

42 13.2 14.5 21.7#

71 27.3 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

150000

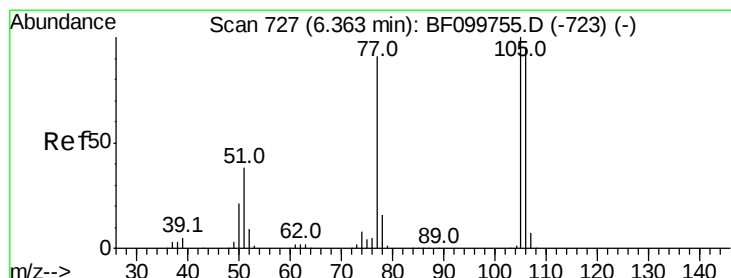
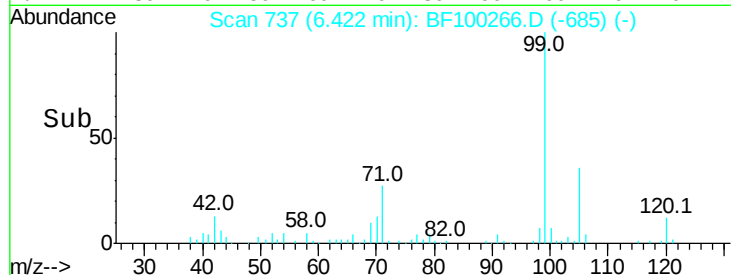
100000

50000

0

6.42

6.30 6.40 6.50 6.60



#9

Benzaldehyde

Concen: 2.841 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.21 min

Lab File: BF100266.D

Acq: 6 Nov 2017 22:15

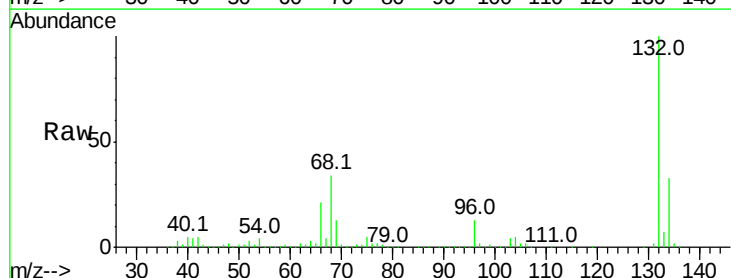
Tgt Ion: 77 Resp: 12935

Ion Ratio Lower Upper

77 100

105 92.7 81.1 121.1

106 88.4 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

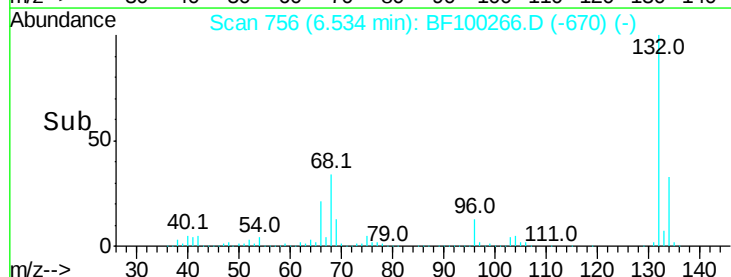
10000

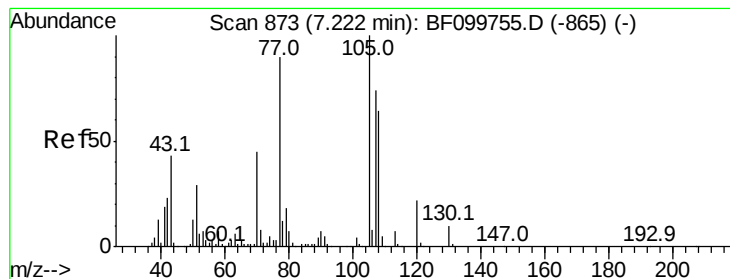
5000

0

6.53

6.50 6.55 6.60





#19

n-Nitroso-di-n-propylamine

Concen: 16.556 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.15 min

Lab File: BF100266.D

Acq: 6 Nov 2017 22:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 73913

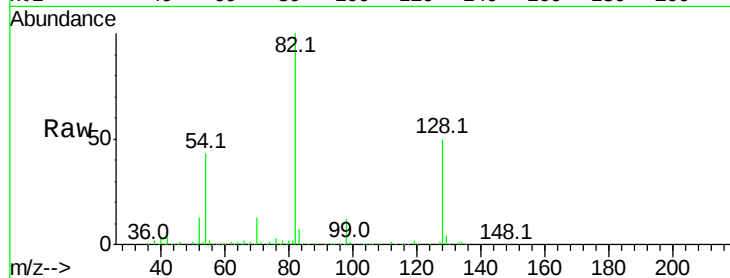
Ion Ratio Lower Upper

70 100

42 38.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#



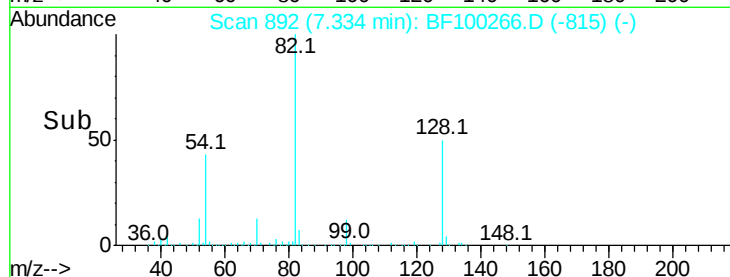
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

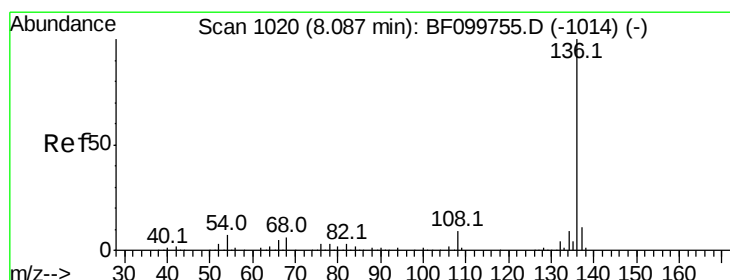
Ion 130.00 (129.70 to 130.70): BF1

Time-->



Abundance

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BF100266.D

Acq: 6 Nov 2017 22:15

Tgt Ion:136 Resp: 409860

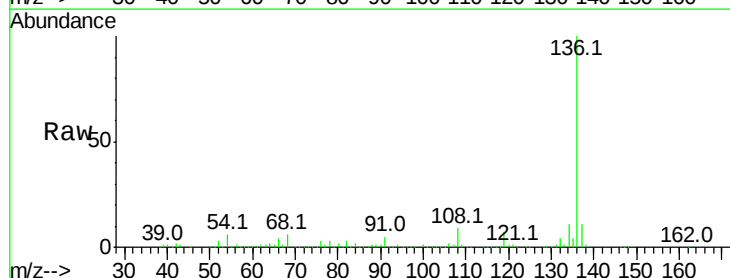
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.2 6.6 9.8#

68 5.8 5.0 7.4



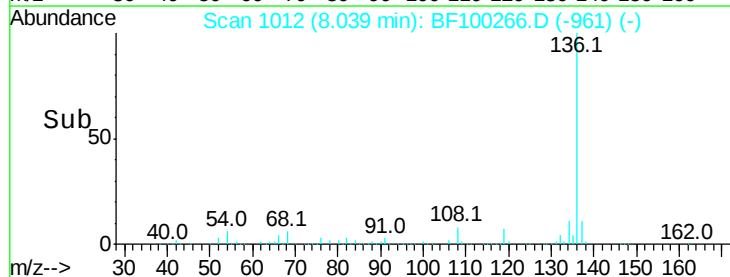
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

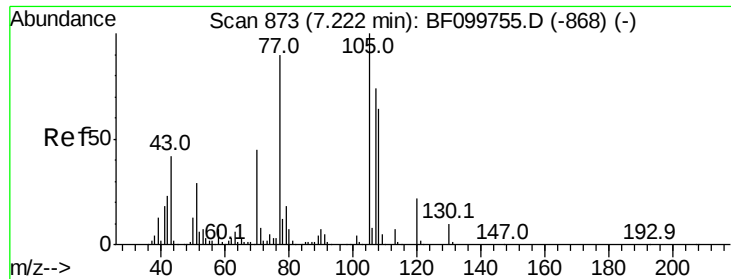
Ion 68.00 (67.70 to 68.70): BF1

Time-->



Abundance

Time-->



#22

Acetophenone

Concen: 8.630 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: BF100266.D

Acq: 6 Nov 2017 22:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 80534

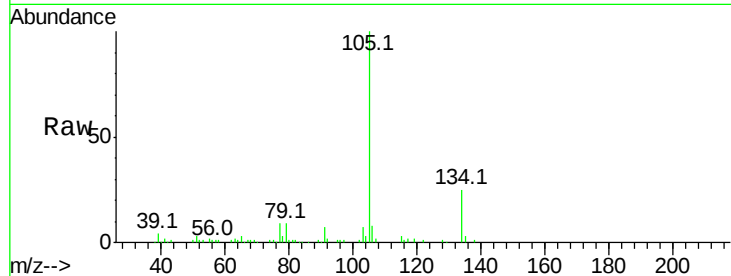
Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 3.0 22.3 33.5#

120 0.0 16.9 25.3#

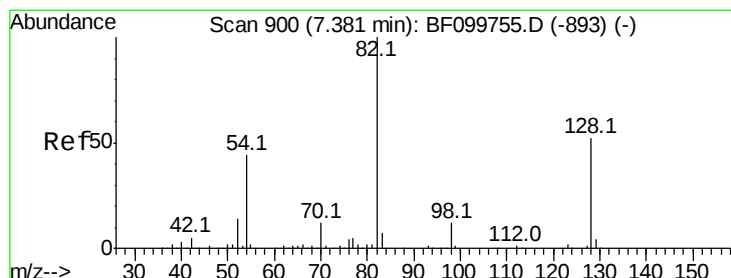
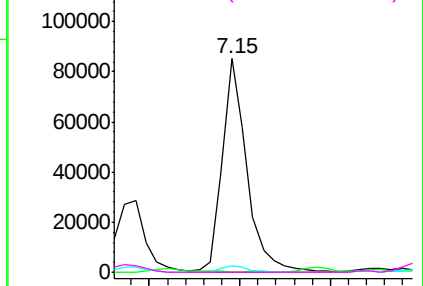
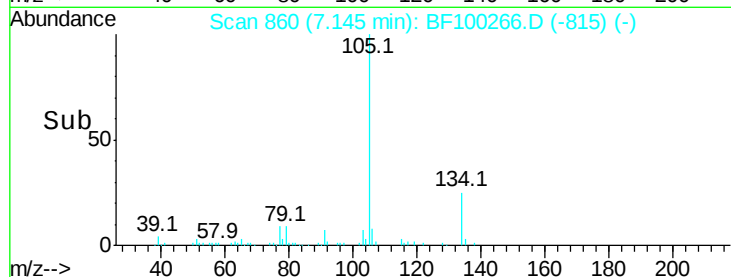


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 87.895 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.01 min

Lab File: BF100266.D

Acq: 6 Nov 2017 22:15

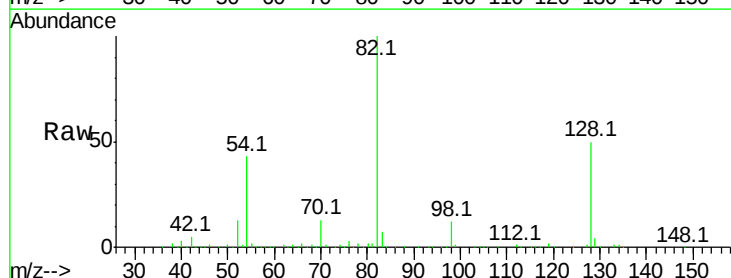
Tgt Ion: 82 Resp: 559559

Ion Ratio Lower Upper

82 100

128 50.5 36.1 54.1

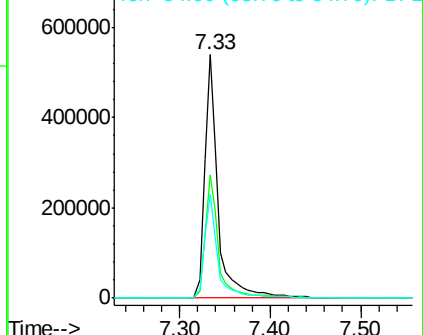
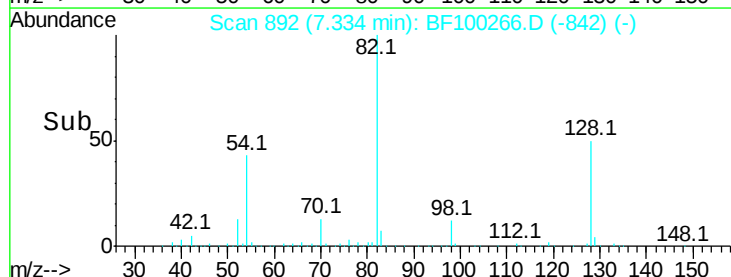
54 42.8 41.4 62.2

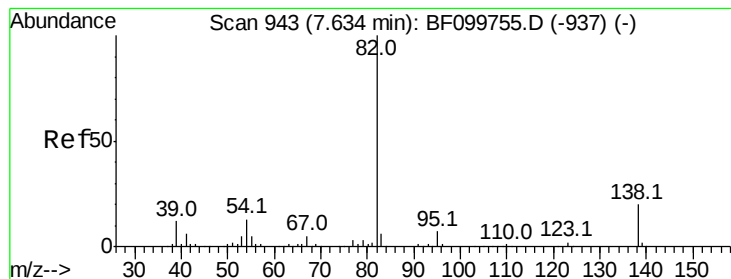


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.438 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF100266.D

Acq: 6 Nov 2017 22:15

Instrument :

BNA_F

ClientSampleId :

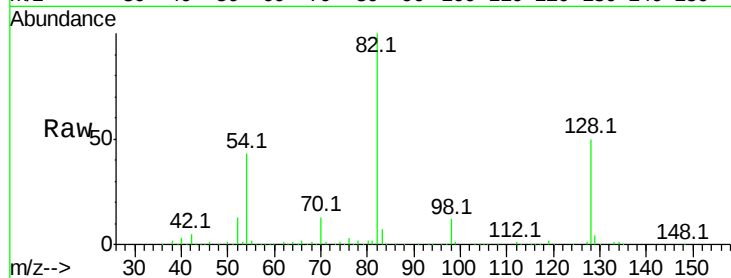
Tot Ion: 82 Resp: 559559

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

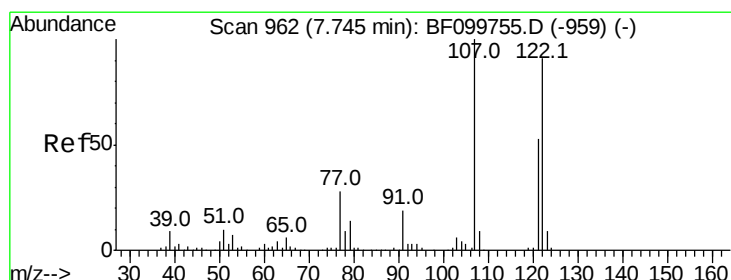
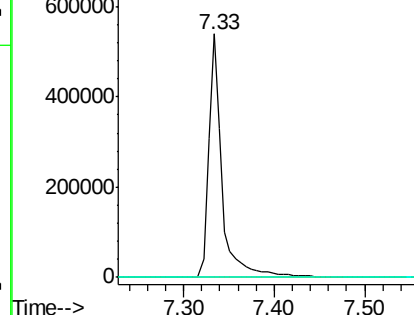
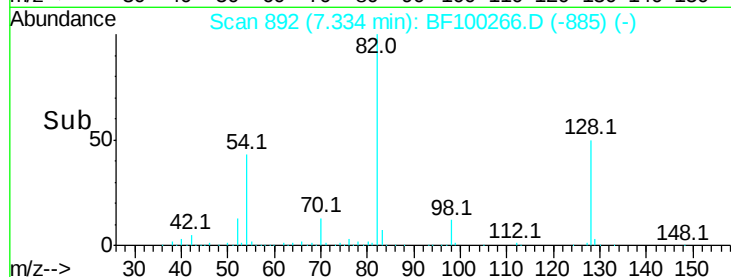
138 0.0 14.9 22.3#



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



#27

2,4-Dimethylphenol

Concen: 12.314 ng

RT: 7.73 min Scan# 960

Delta R.T. 0.02 min

Lab File: BF100266.D

Acq: 6 Nov 2017 22:15

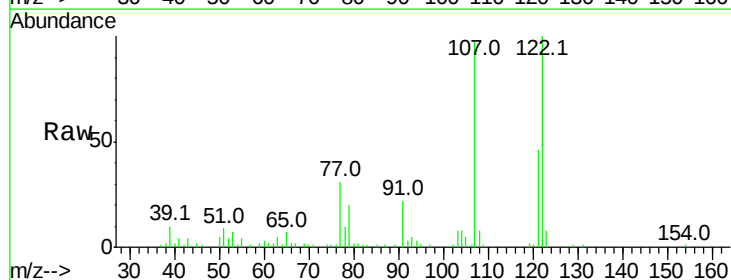
Tgt Ion:122 Resp: 66661

Ion Ratio Lower Upper

122 100

107 98.0 91.2 136.8

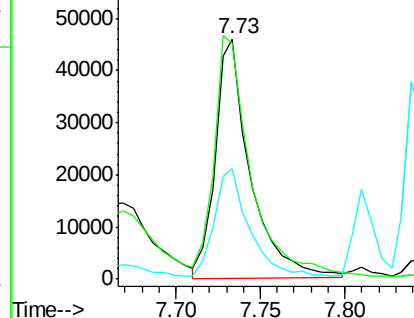
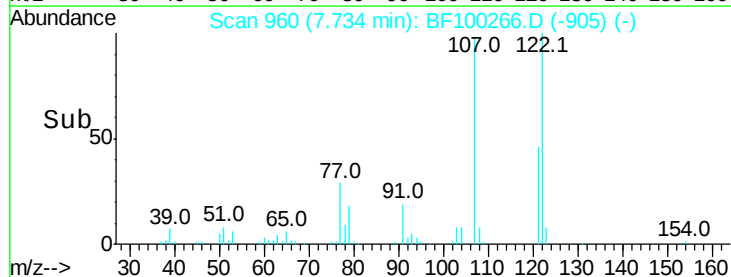
121 46.1 47.2 70.8#

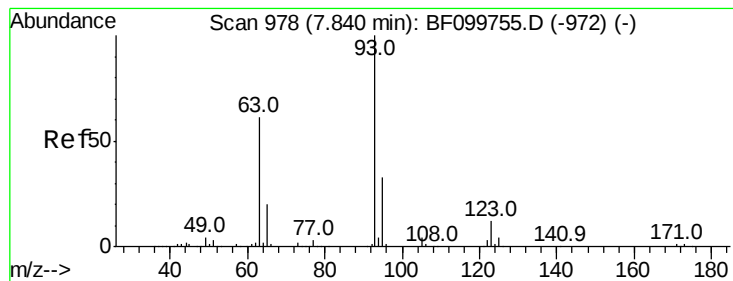


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#28

bis(2-Chloroethoxy)methane

Concen: 2.447 ng

RT: 7.81 min Scan# 973

Delta R.T. 0.02 min

Lab File: BF100266.D

Acq: 6 Nov 2017 22:15

Instrument :

BNA_F

ClientSampleId :

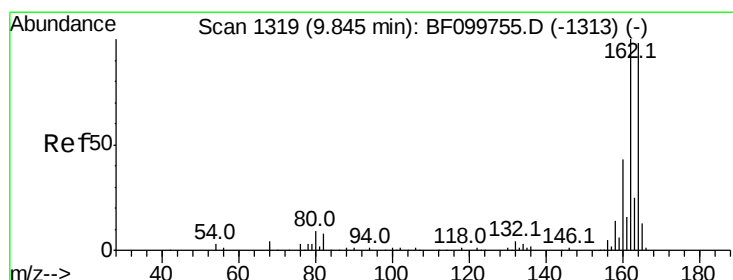
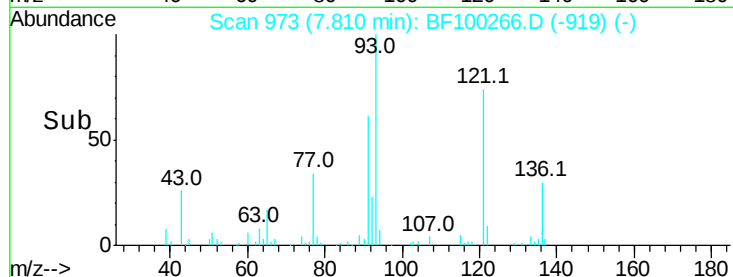
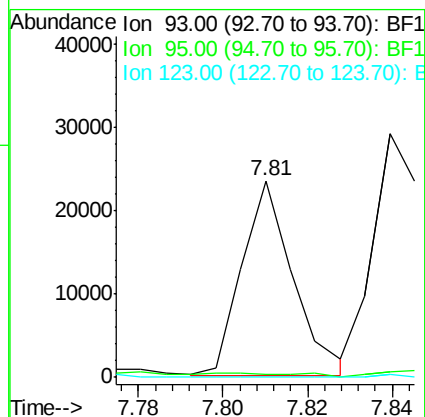
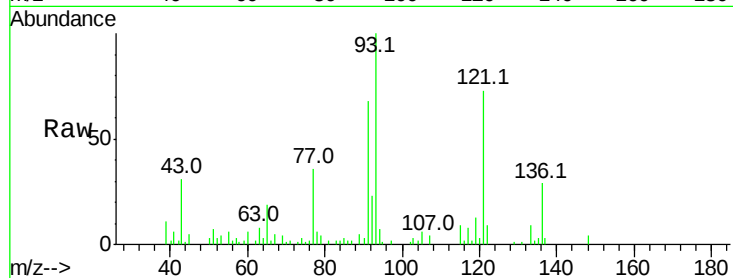
Tot Ion: 93 Resp: 19797

Ion Ratio Lower Upper

93 100

95 1.4 26.3 39.5#

123 0.0 9.8 14.6#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF100266.D

Acq: 6 Nov 2017 22:15

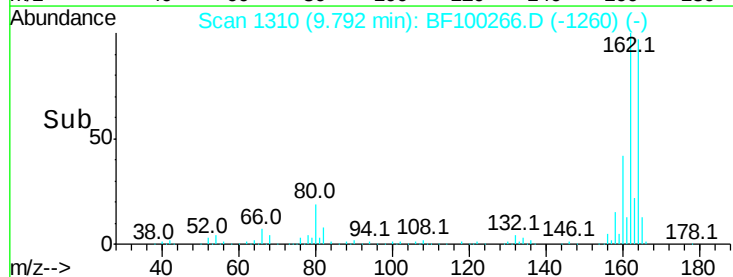
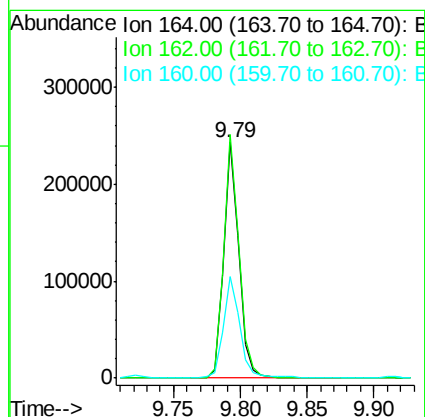
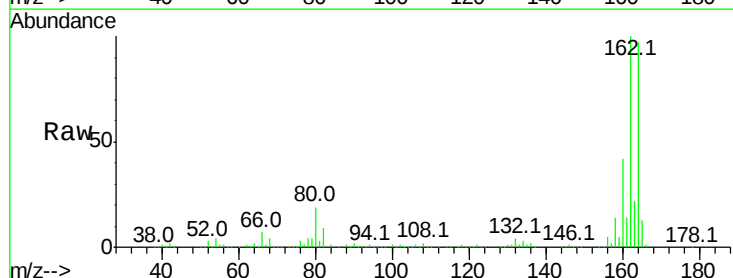
Tgt Ion:164 Resp: 196989

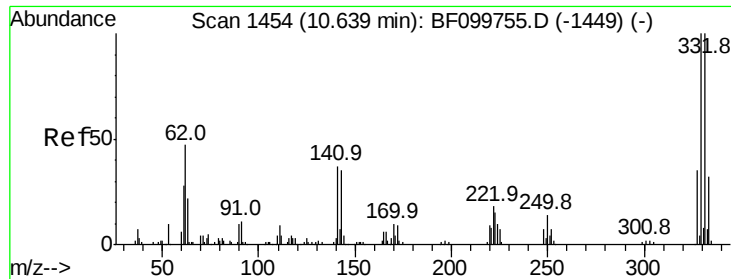
Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

160 43.4 38.3 57.5

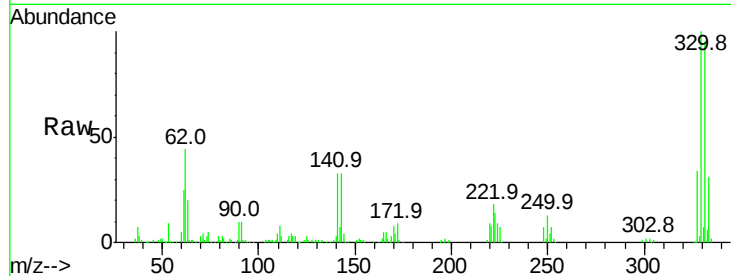




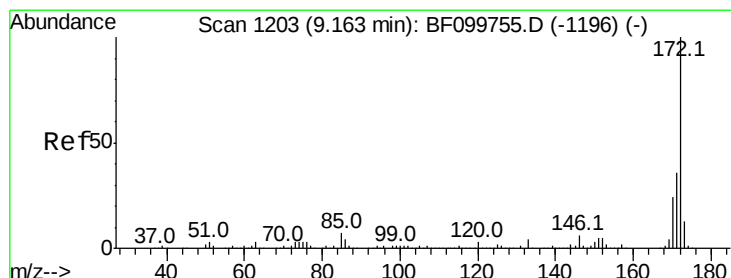
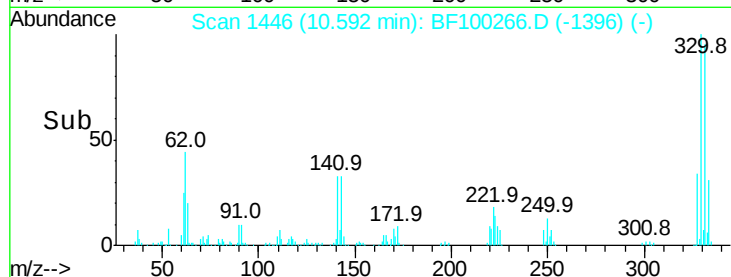
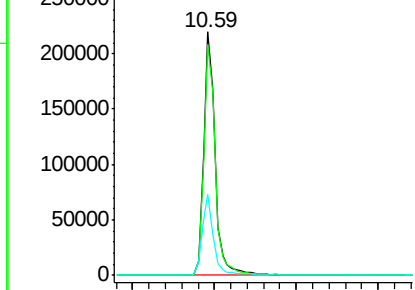
#41
 2,4,6-Tribromophenol
 Concen: 120.422 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF100266.D
 Acq: 6 Nov 2017 22:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 216180
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 33.6 29.9 44.9

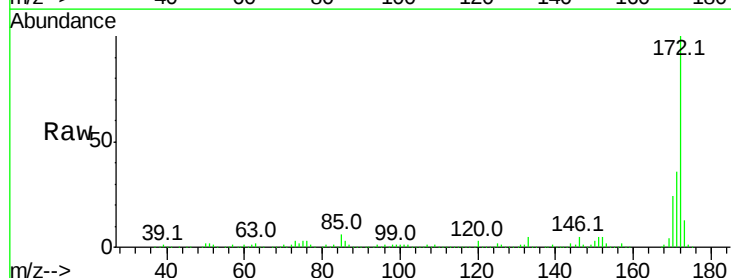


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

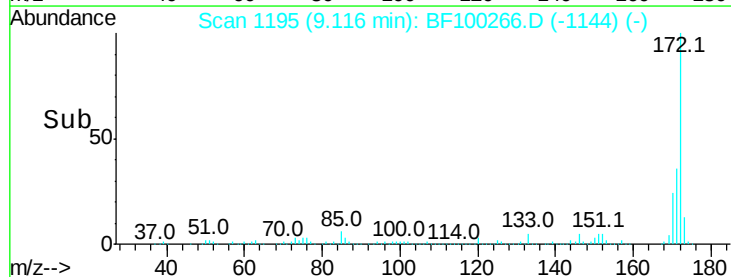
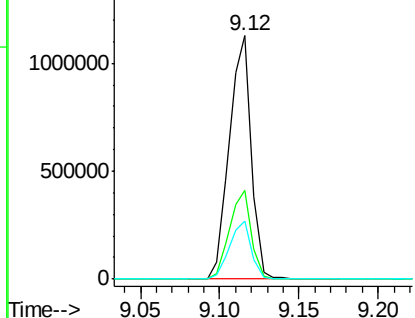


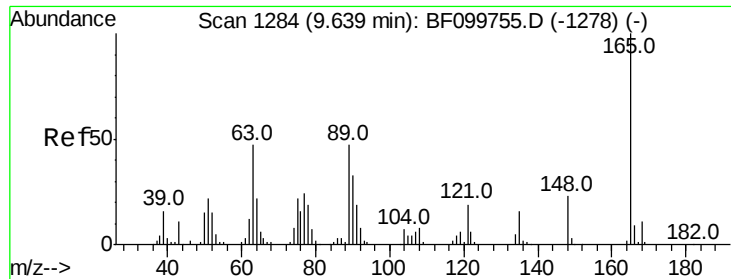
#44
 2-Fluorobiphenyl
 Concen: 84.711 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: BF100266.D
 Acq: 6 Nov 2017 22:15

Tgt Ion:172 Resp: 1081586
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 24.1 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

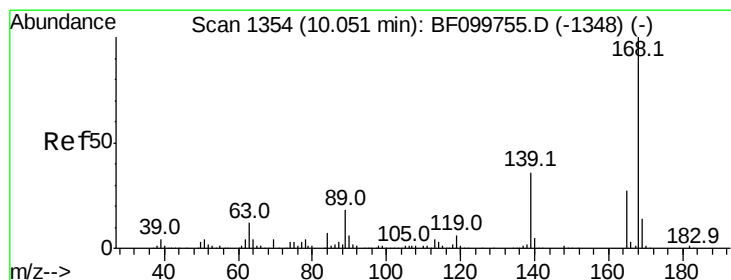
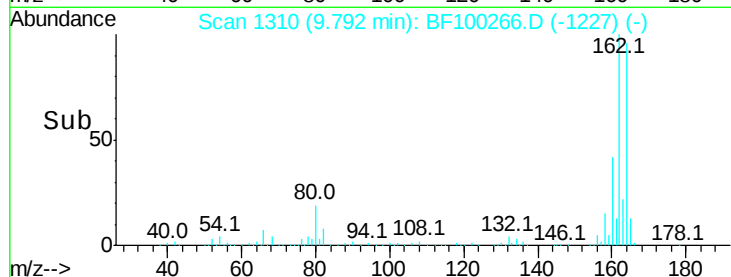
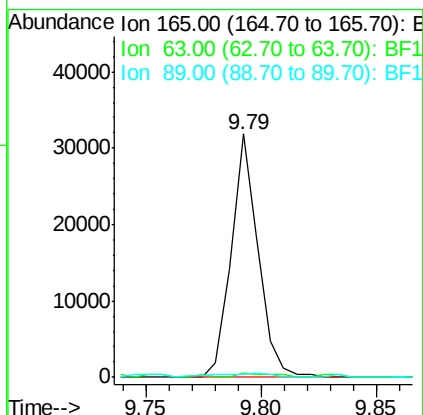
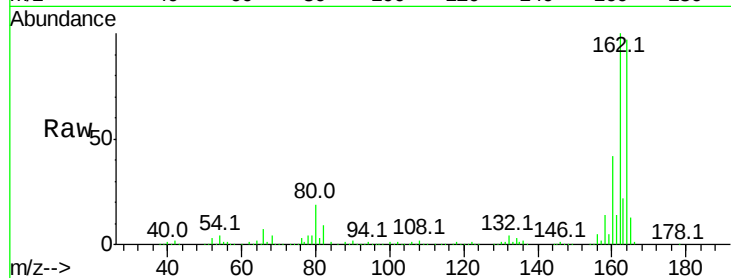




#50
 2,6-Dinitrotoluene
 Concen: 7.882 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. 0.19 min
 Lab File: BF100266.D
 Acq: 6 Nov 2017 22:15

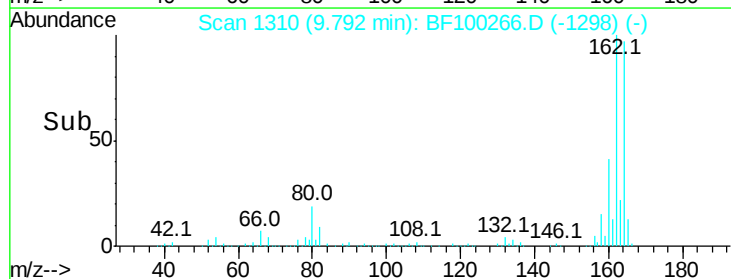
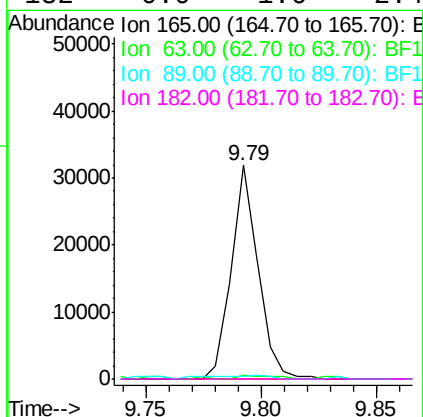
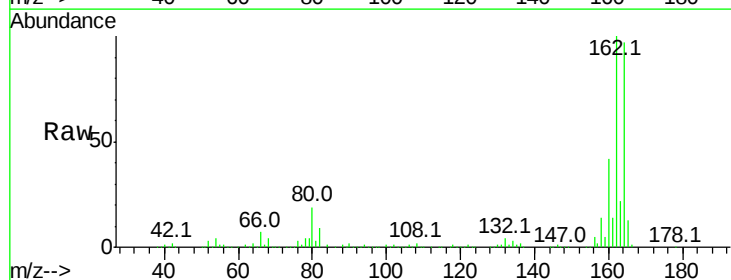
Instrument :
 BNA_F
 ClientSampleId :

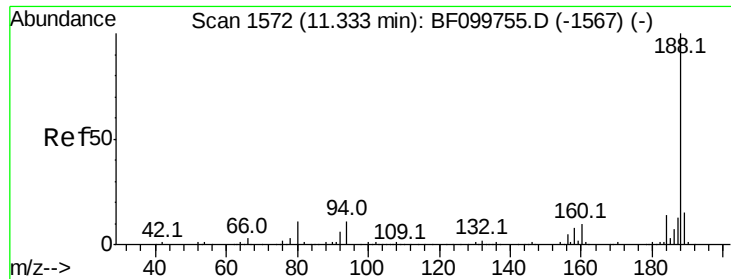
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.545 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.23 min
 Lab File: BF100266.D
 Acq: 6 Nov 2017 22:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF100266.D

Acq: 6 Nov 2017 22:15

Instrument :

BNA_F

ClientSampled :

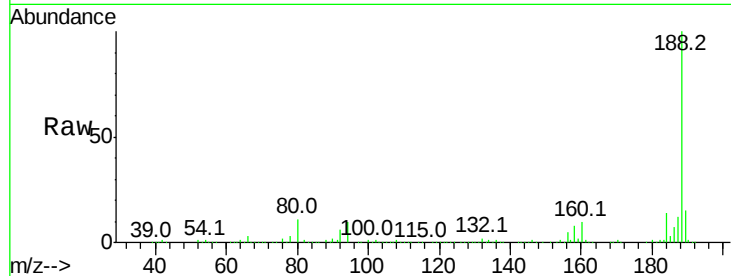
Tot Ion:188 Resp: 346737

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

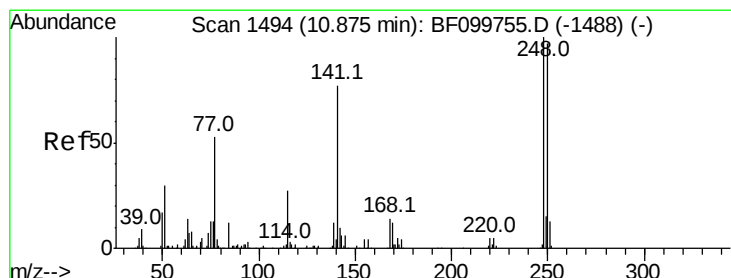
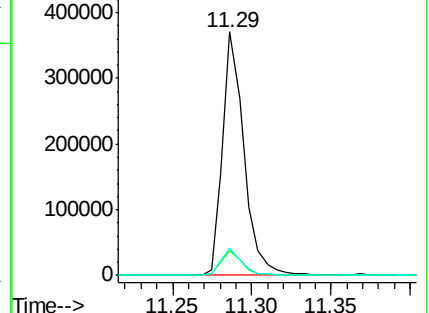
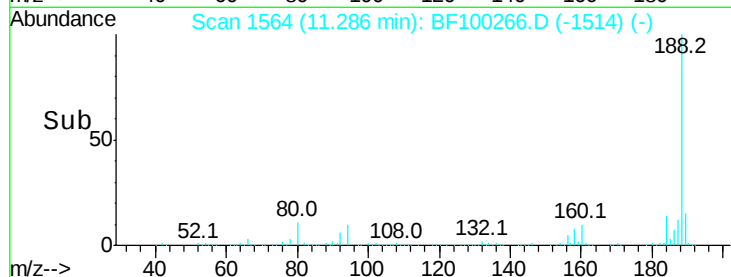
80 11.1 9.2 13.8



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: 3.830 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.23 min

Lab File: BF100266.D

Acq: 6 Nov 2017 22:15

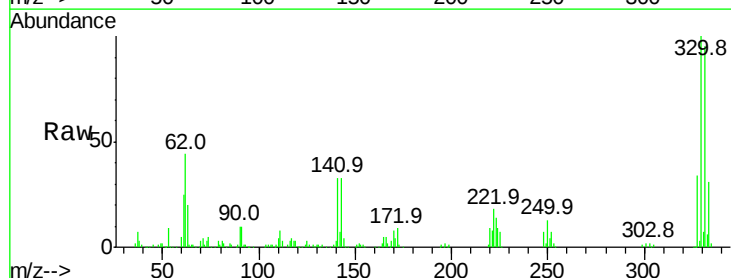
Tgt Ion:248 Resp: 13981

Ion Ratio Lower Upper

248 100

250 199.2 76.9 115.3#

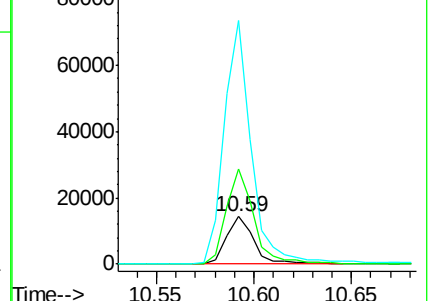
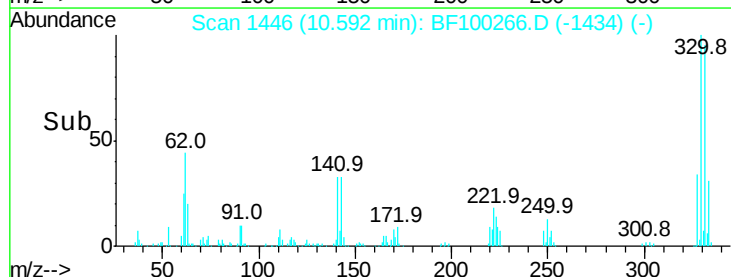
141 512.6 74.4 111.6#

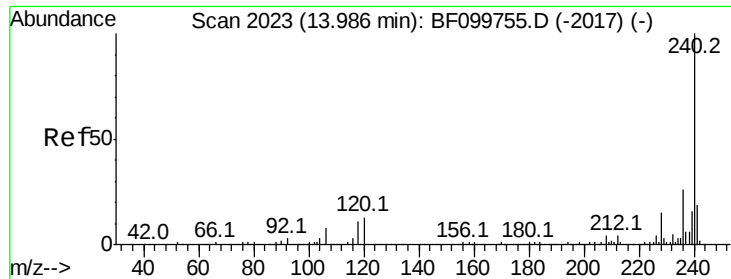


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

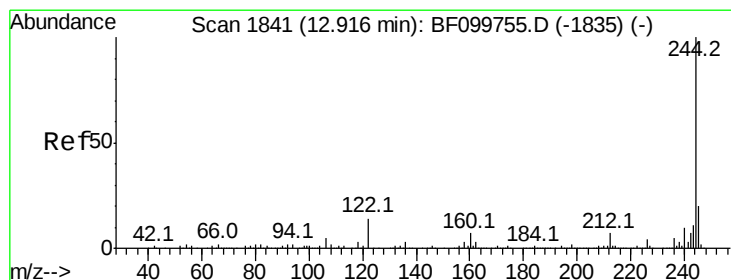
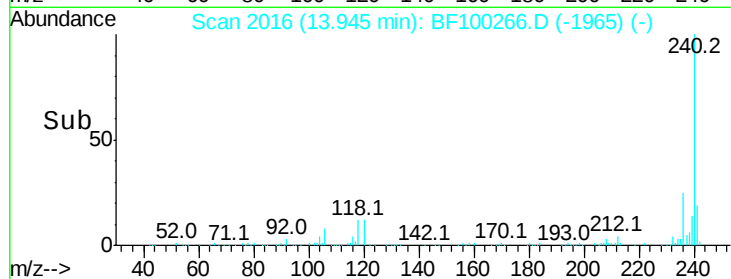
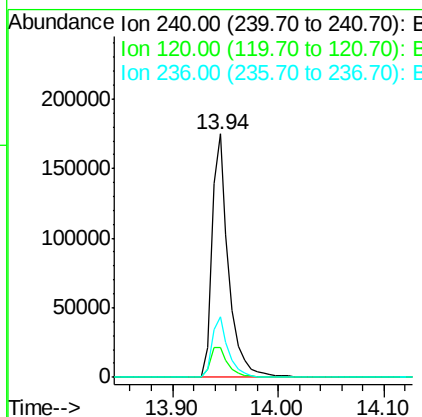
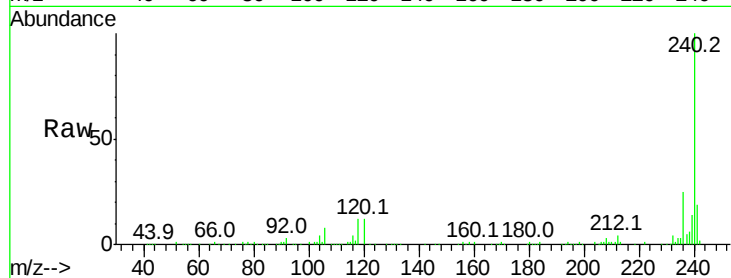




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: BF100266.D
 Acq: 6 Nov 2017 22:15

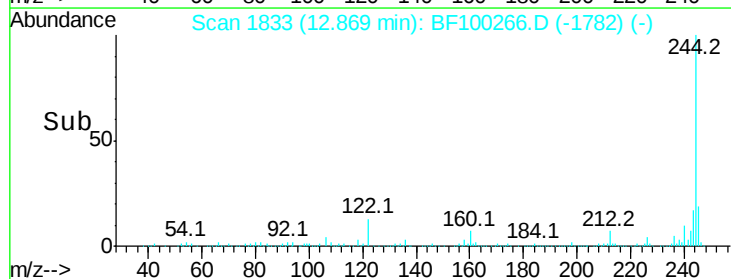
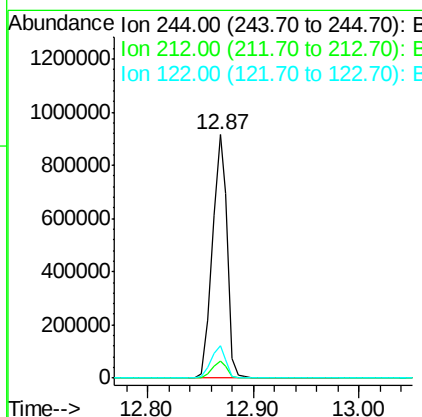
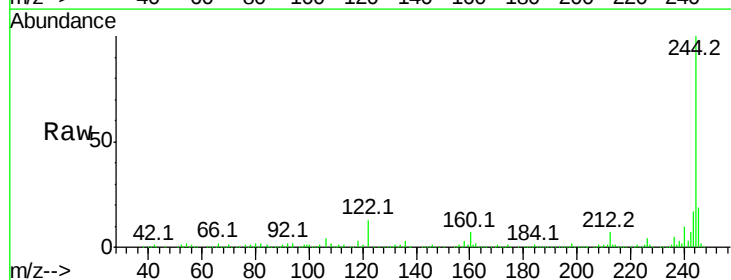
Instrument :
 BNA_F
 ClientSampleId :

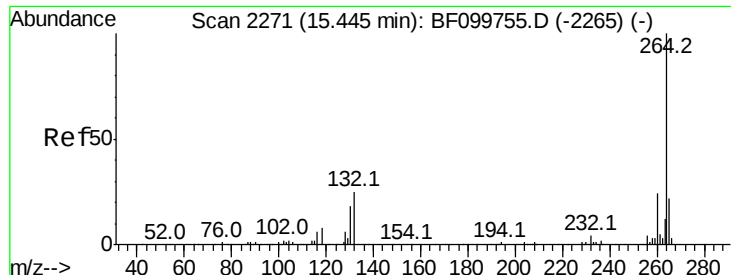
Tot Ion:240 Resp: 190641
 Ion Ratio Lower Upper
 240 100
 120 12.4 9.5 14.3
 236 24.8 20.7 31.1



#78
 Terphenyl-d14
 Concen: 104.058 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: BF100266.D
 Acq: 6 Nov 2017 22:15

Tgt Ion:244 Resp: 907749
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 13.3 11.0 16.4

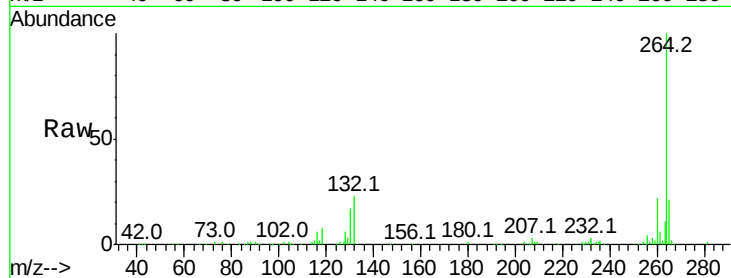




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.00 min
Lab File: BF100266.D
Acq: 6 Nov 2017 22:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	21.4	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

