

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099627.D
 Acq On : 18 Oct 2017 19:51
 Operator : SJ/JU
 Sample : I5836-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 22:15:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 15:18:49 2017
 Response via : Initial Calibration

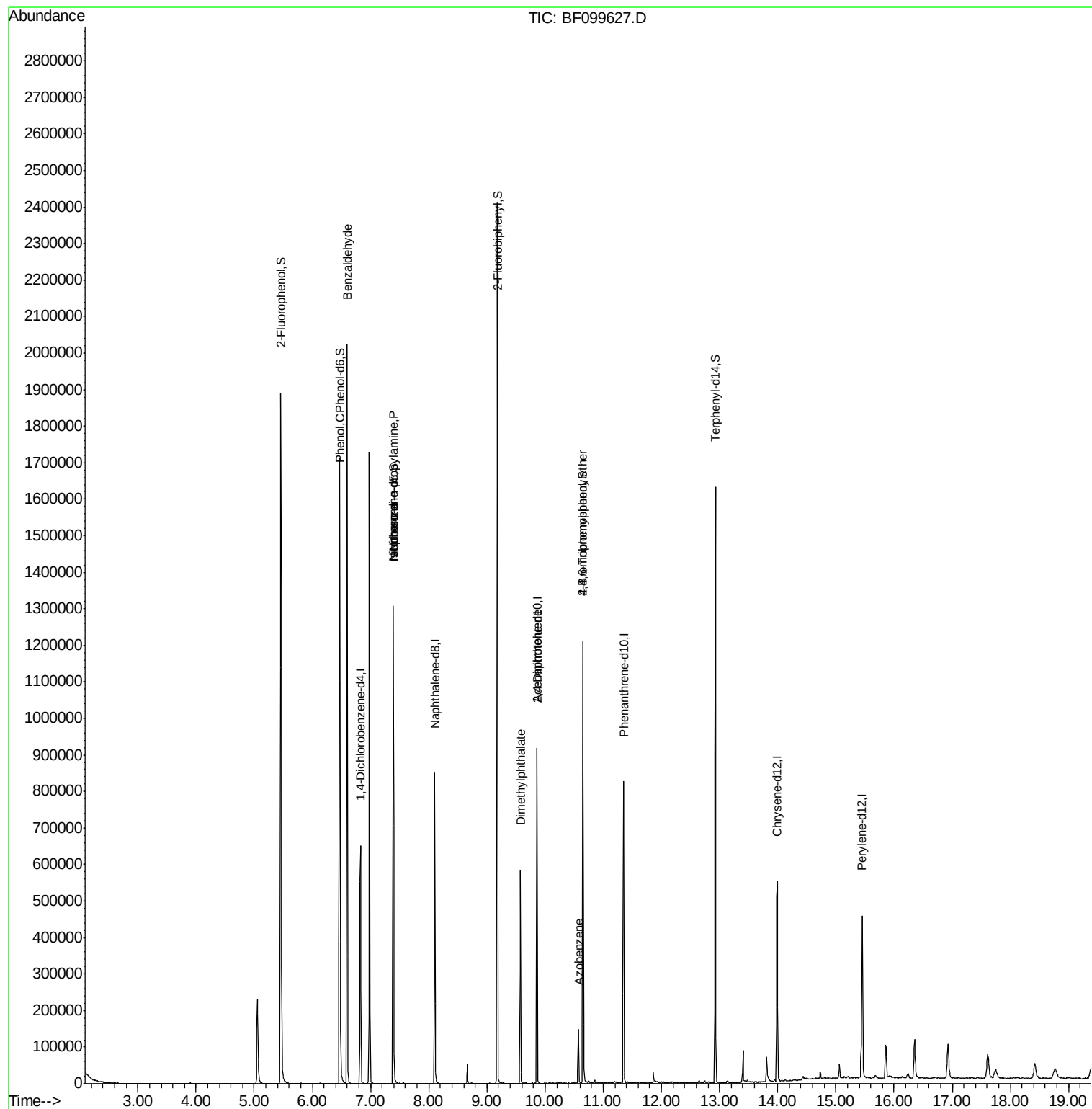
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	103861	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	428047	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	188582	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	305382	20.00	ng	0.00
75) Chrysene-d12	13.99	240	186029	20.00	ng	0.00
86) Perylene-d12	15.46	264	195688	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	602189	92.30	ng	0.00
7) Phenol-d6	6.47	99	720091	89.47	ng	-0.01
23) Nitrobenzene-d5	7.39	82	413628	61.97	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	141241	91.53	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	745646	66.01	ng	0.00
78) Terphenyl-d14	12.93	244	484977	59.29	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	11112	2.380	ng	91
10) Phenol	6.48	94	44046	4.893	ng	98
19) n-Nitroso-di-n-propylamine	7.39	70	51259	9.975	ng	# 72
25) Isophorone	7.39	82	413623	29.973	ng	# 64
49) Dimethylphthalate	9.57	163	222099	15.604	ng	99
56) 2,4-Dinitrotoluene	9.86	165	23439	5.828	ng	# 23
62) Azobenzene	10.57	77	26139	2.044	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	9470	3.168	ng	# 1

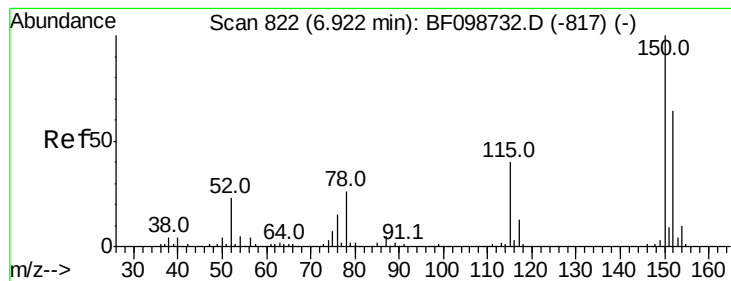
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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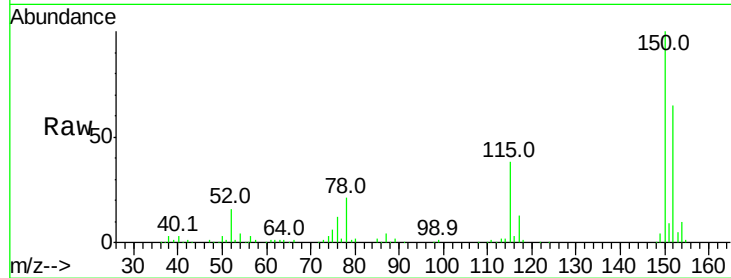


#1

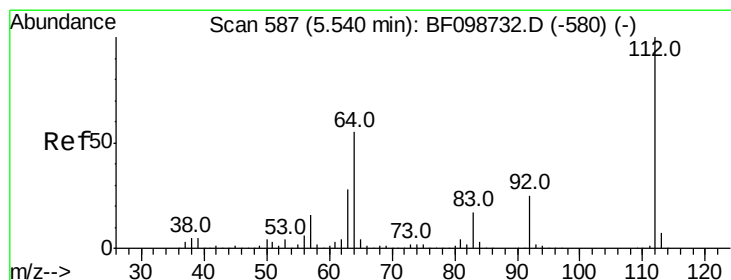
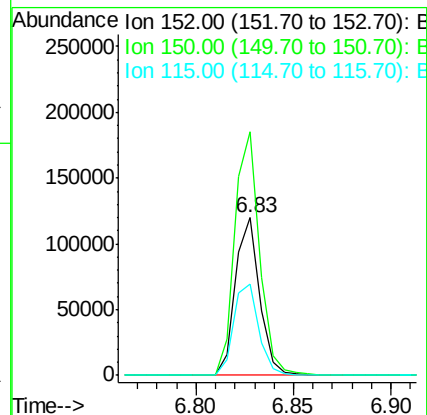
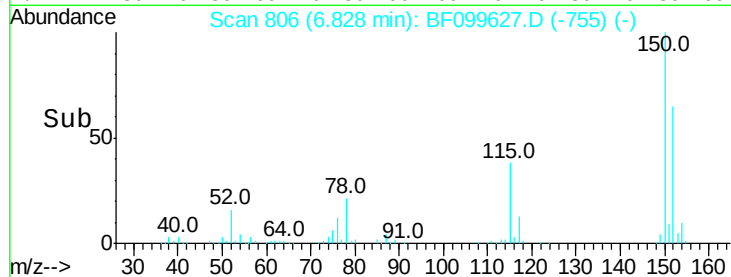
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF099627.D
 Acq: 18 Oct 2017 19:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 103861
 Ion Ratio Lower Upper
 152 100
 150 154.3 124.6 186.8
 115 58.3 50.1 75.1



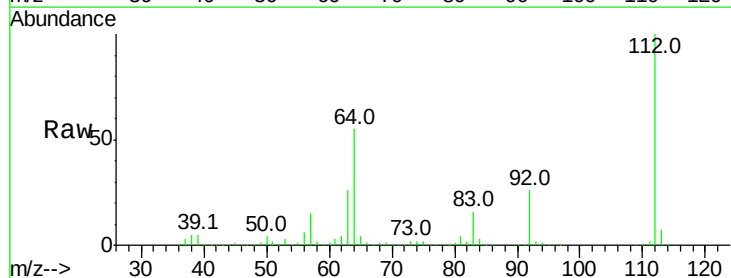
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



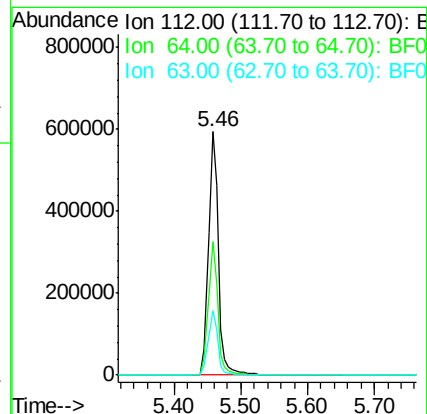
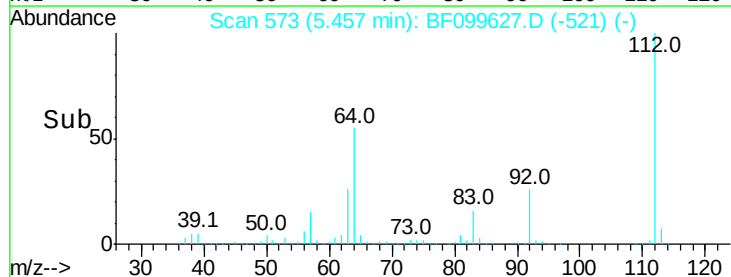
#5

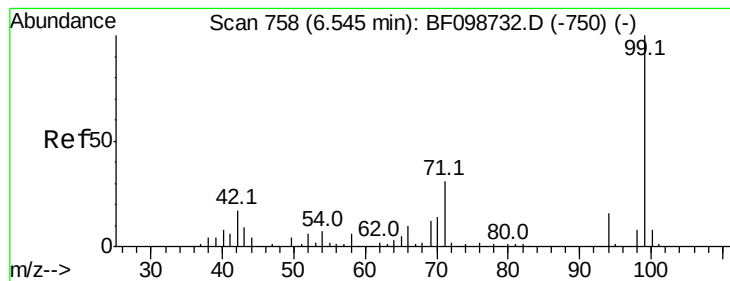
2-Fluorophenol
 Concen: 92.299 ng
 RT: 5.46 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: BF099627.D
 Acq: 18 Oct 2017 19:51

Tgt Ion:112 Resp: 602189
 Ion Ratio Lower Upper
 112 100
 64 54.8 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: 89.469 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099627.D

Acq: 18 Oct 2017 19:51

Instrument :

BNA_F

ClientSampleId :

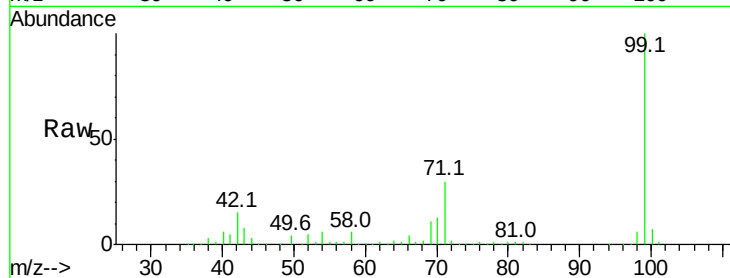
Tot Ion: 99 Resp: 720091

Ion Ratio Lower Upper

99 100

42 14.7 14.5 21.7

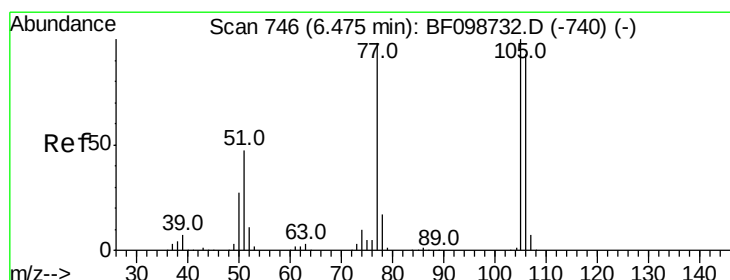
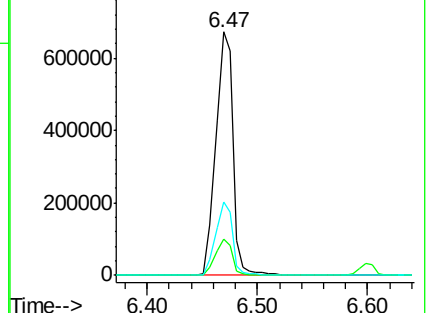
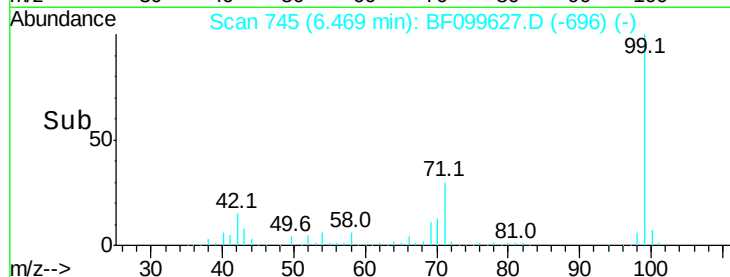
71 30.1 25.4 38.0



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: 2.380 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.21 min

Lab File: BF099627.D

Acq: 18 Oct 2017 19:51

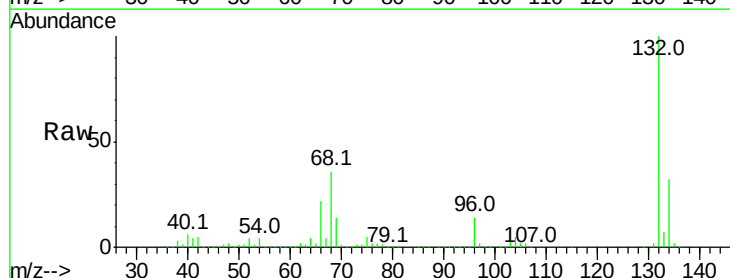
Tgt Ion: 77 Resp: 11112

Ion Ratio Lower Upper

77 100

105 89.7 81.1 121.1

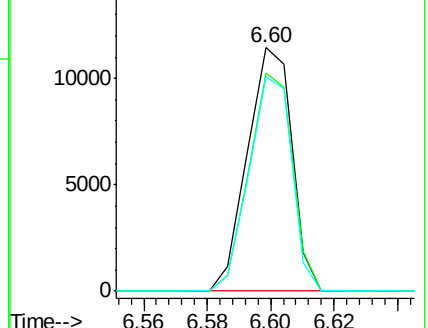
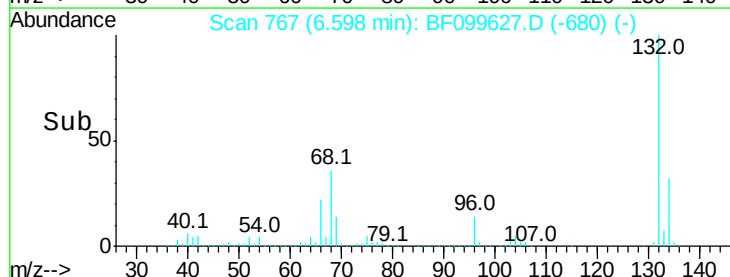
106 87.8 74.5 114.5

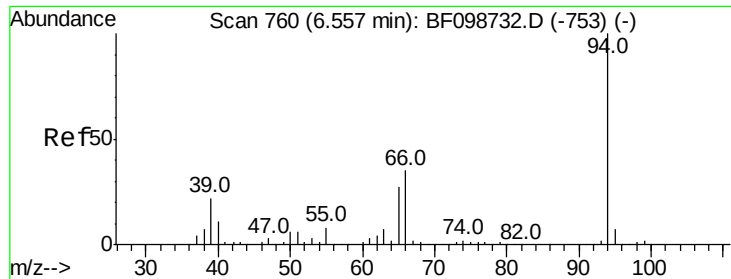


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

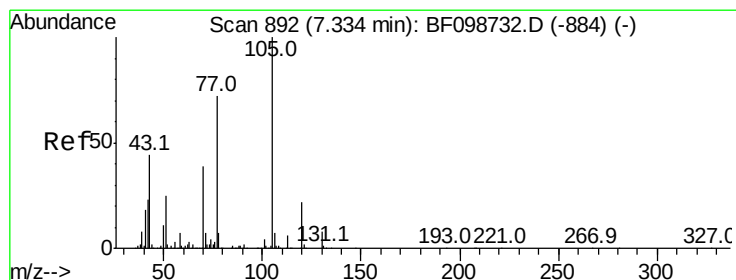
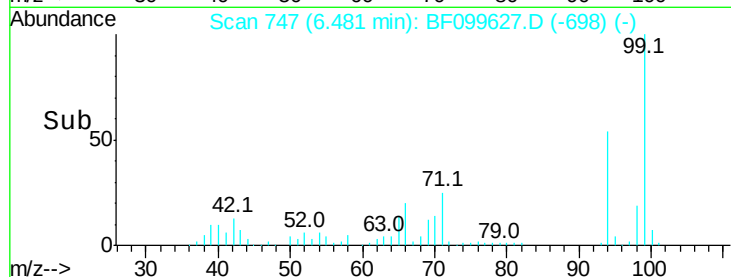
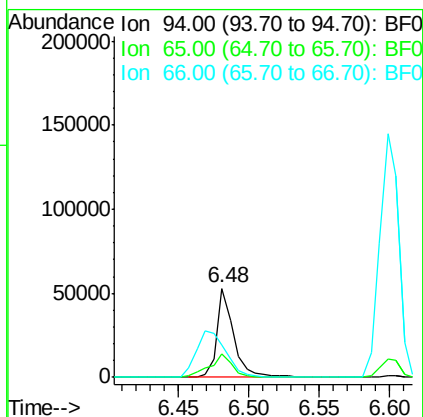
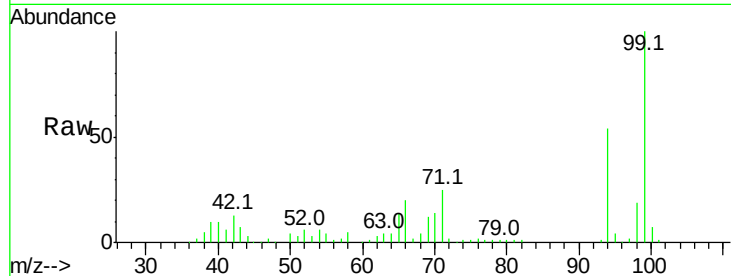




#10
Phenol
Concen: 4.893 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF099627.D
Acq: 18 Oct 2017 19:51

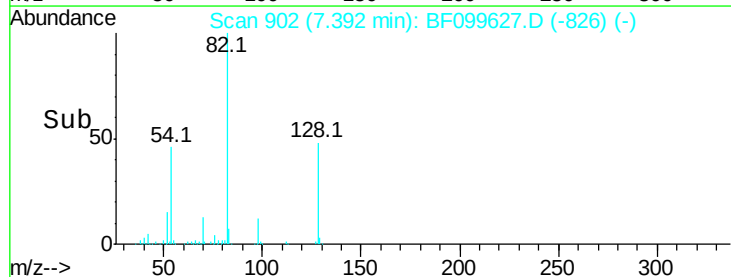
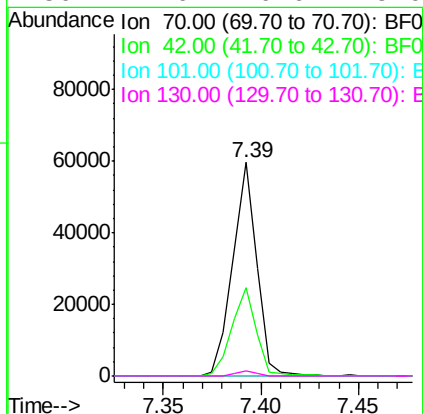
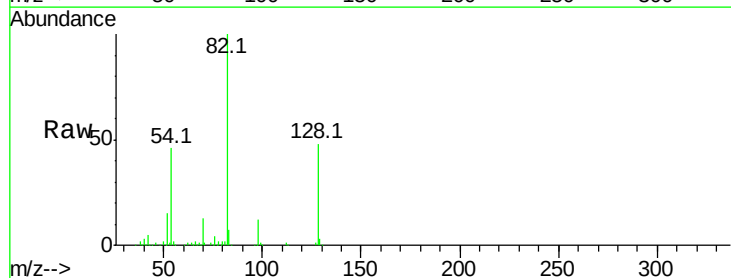
Instrument :
BNA_F
ClientSampleId :

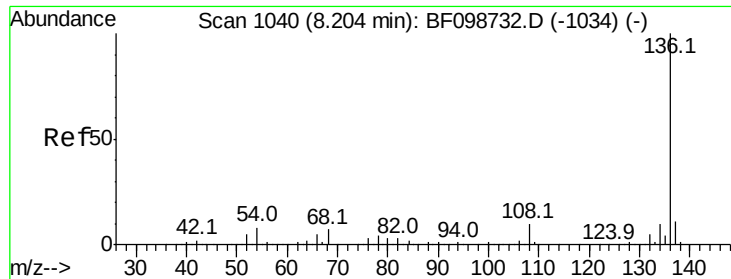
Tot Ion: 94 Resp: 44046
Ion Ratio Lower Upper
94 100
65 26.3 7.9 47.9
66 36.8 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.975 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.15 min
Lab File: BF099627.D
Acq: 18 Oct 2017 19:51

Tgt Ion: 70 Resp: 51259
Ion Ratio Lower Upper
70 100
42 41.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#

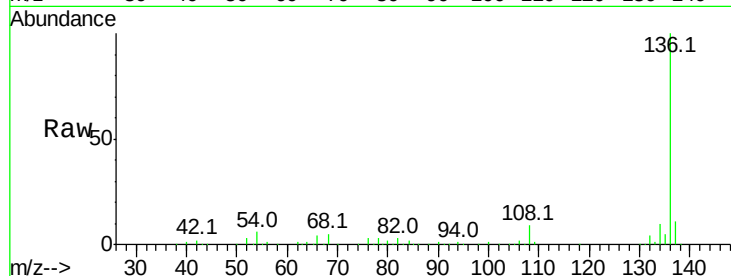




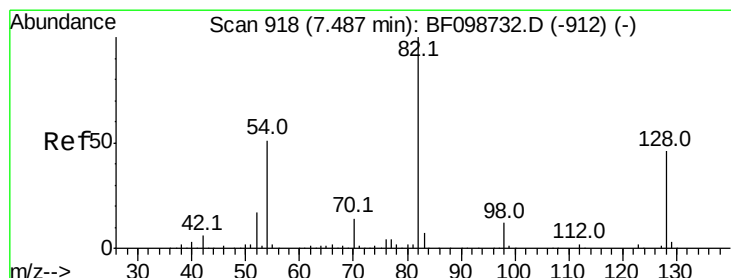
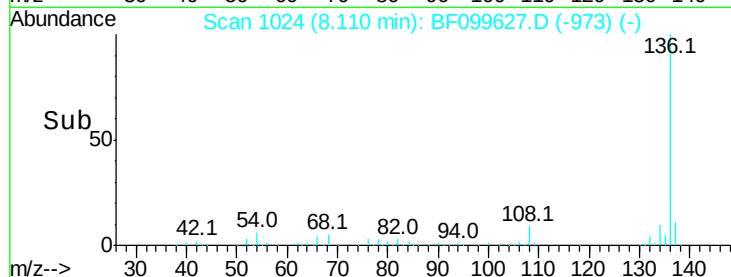
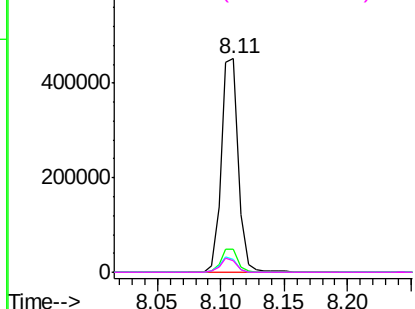
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF099627.D
Acq: 18 Oct 2017 19:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	428047
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.3	6.6	9.8#
68	5.3	5.0	7.4

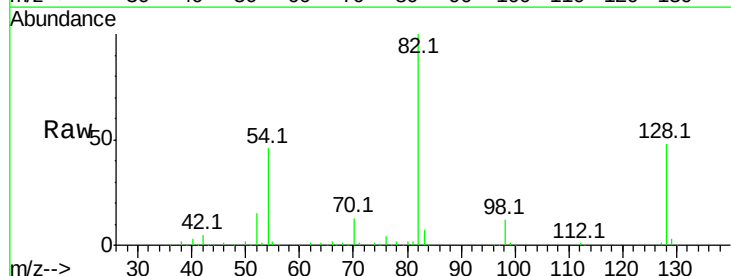


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

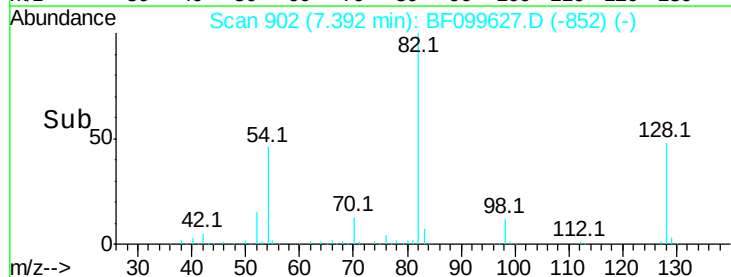
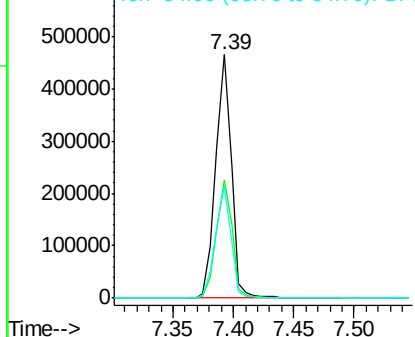


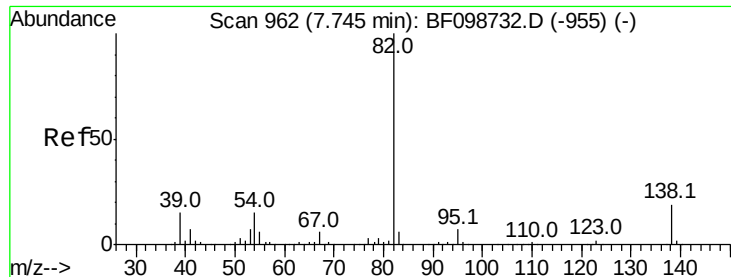
#23
Nitrobenzene-d5
Concen: 61.970 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099627.D
Acq: 18 Oct 2017 19:51

Tgt Ion:	82	Resp:	413628
Ion	Ratio	Lower	Upper
82	100		
128	48.3	36.1	54.1
54	45.7	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: 29.973 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF099627.D

Acq: 18 Oct 2017 19:51

Instrument :

BNA_F

ClientSampleId :

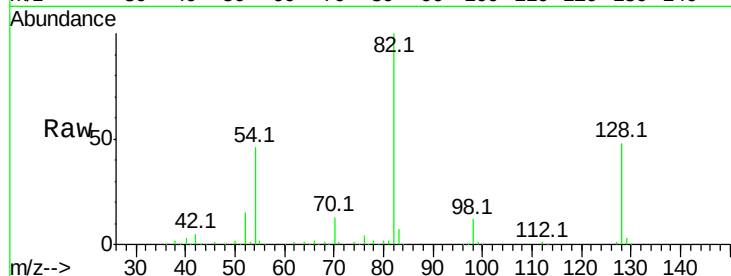
Tot Ion: 82 Resp: 413623

Ion Ratio Lower Upper

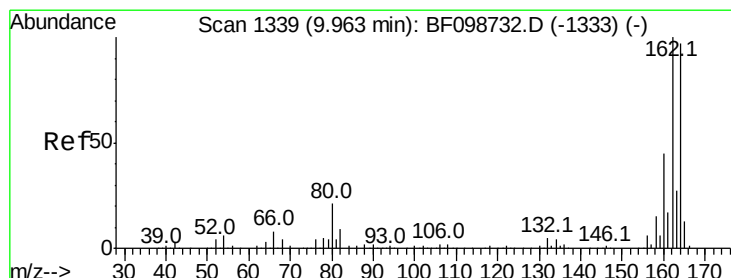
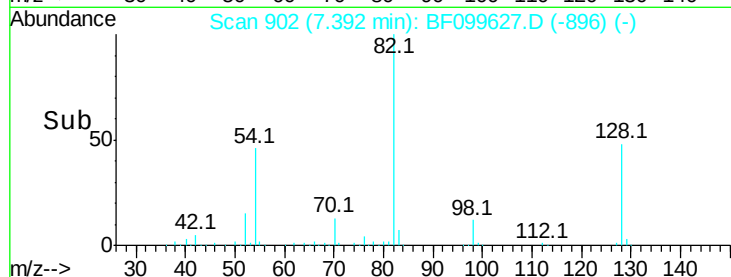
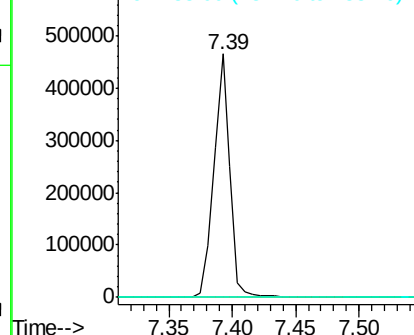
82 100

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: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF099627.D

Acq: 18 Oct 2017 19:51

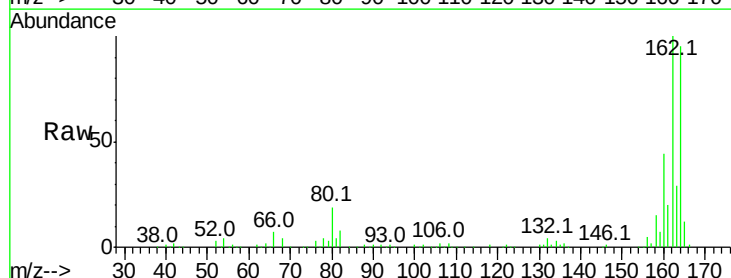
Tgt Ion:164 Resp: 188582

Ion Ratio Lower Upper

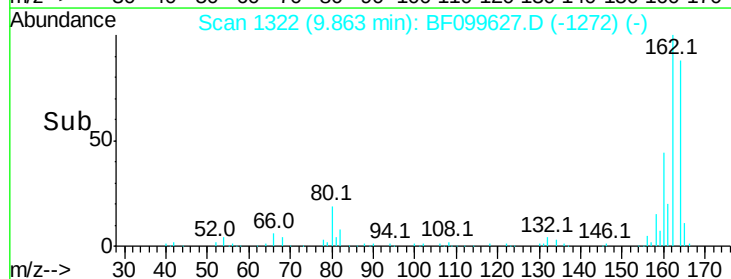
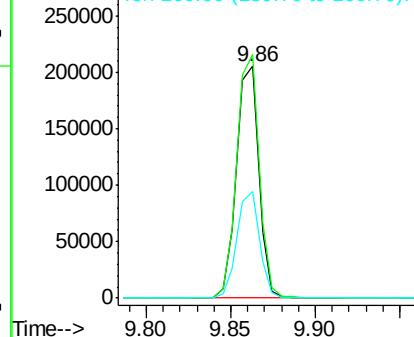
164 100

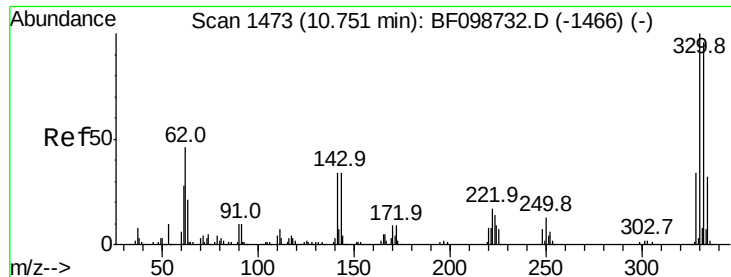
162 105.1 86.1 129.1

160 46.2 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

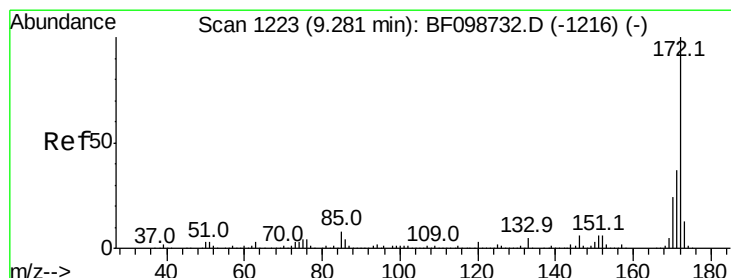
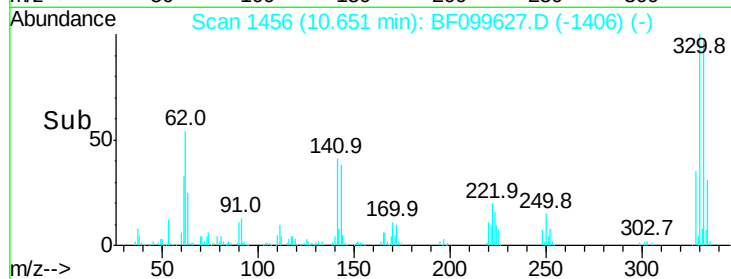
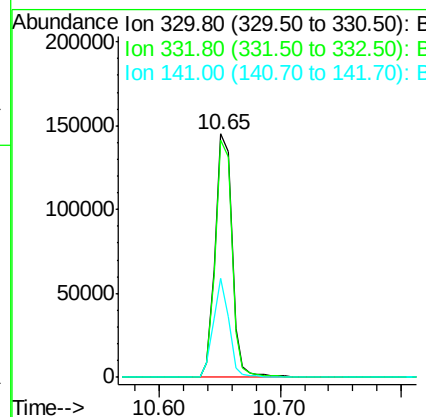
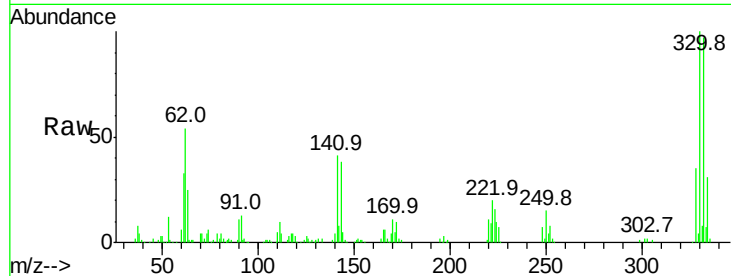




#41
 2,4,6-Tribromophenol
 Concen: 91.530 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF099627.D
 Acq: 18 Oct 2017 19:51

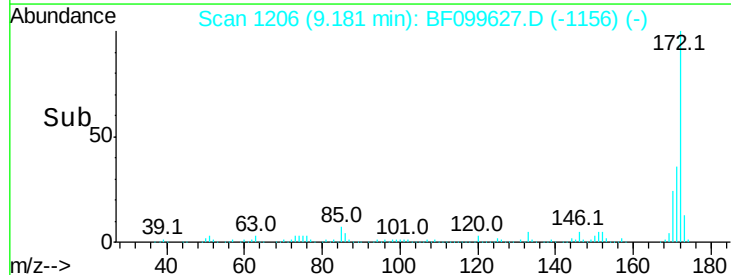
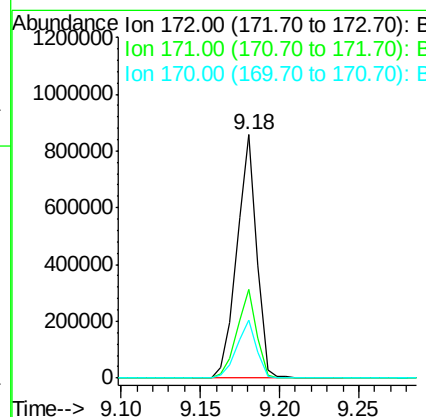
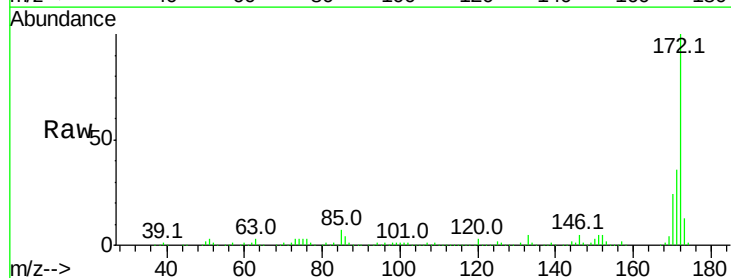
Instrument :
 BNA_F
 ClientSampleId :

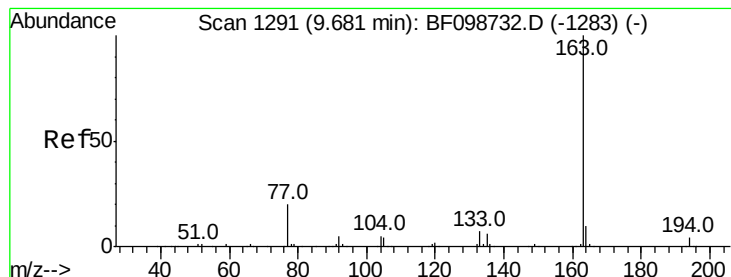
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	37.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 66.008 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099627.D
 Acq: 18 Oct 2017 19:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.0	19.6	29.4





#49

Dimethylphthalate

Concen: 15.604 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BF099627.D

Acq: 18 Oct 2017 19:51

Instrument :

BNA_F

ClientSampleId :

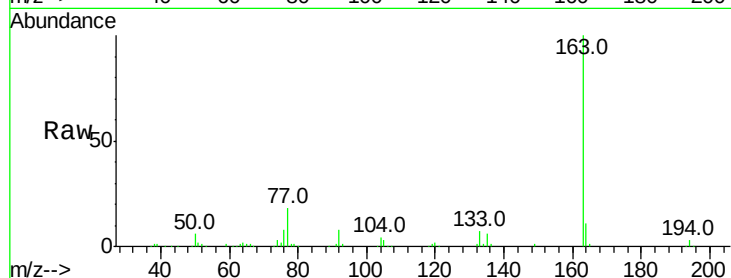
Tot Ion:163 Resp: 222099

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

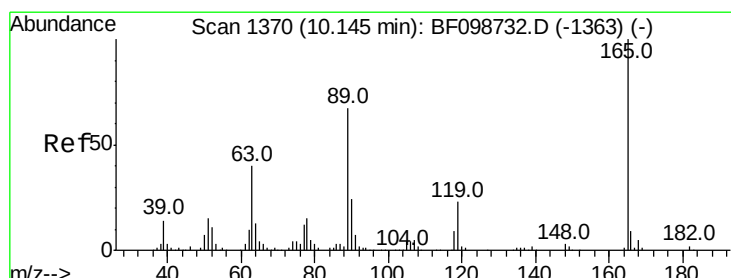
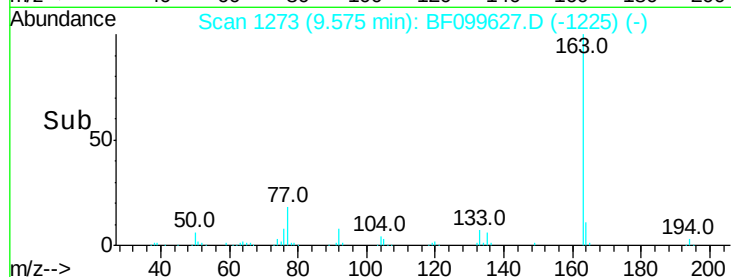
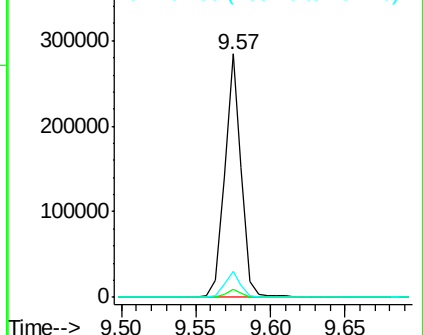
164 10.6 8.2 12.2



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: 5.828 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.21 min

Lab File: BF099627.D

Acq: 18 Oct 2017 19:51

Tgt Ion:165 Resp: 23439

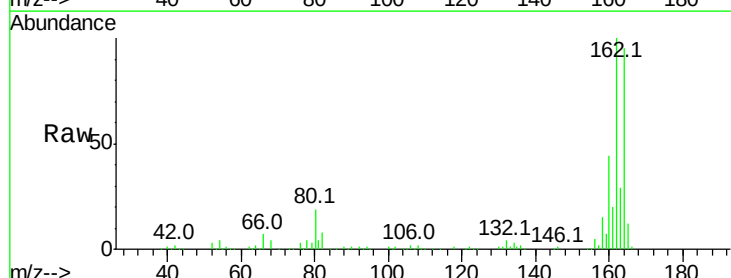
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

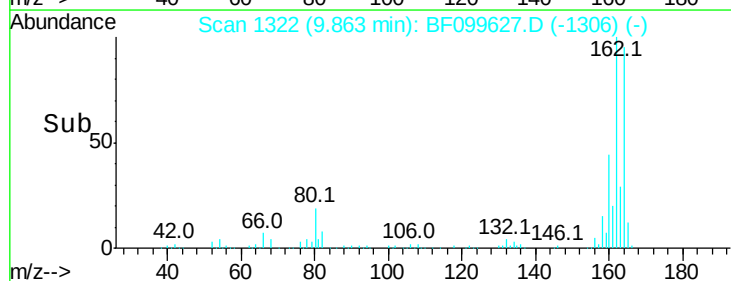
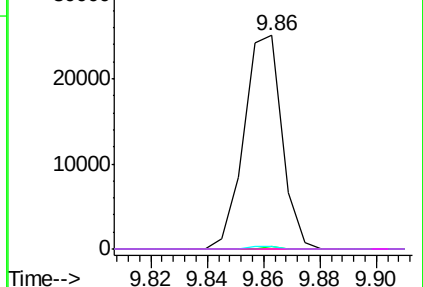


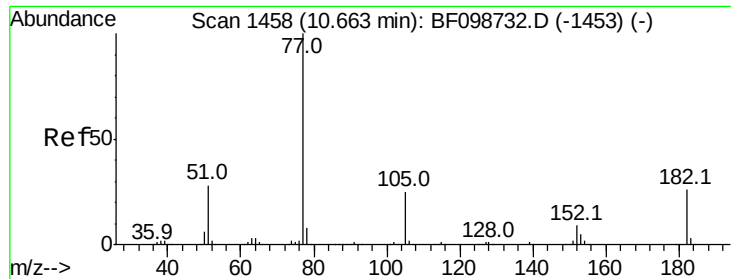
Abundance Ion 165.00 (164.70 to 165.70): E

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: 2.044 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.01 min

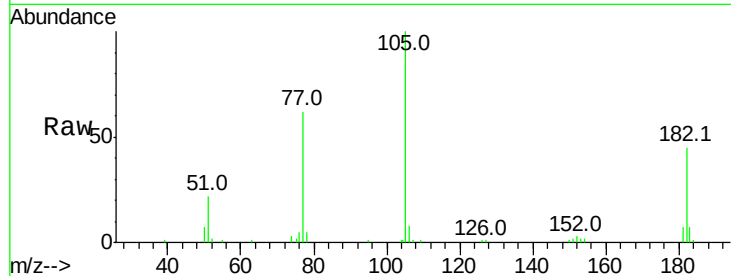
Lab File: BF099627.D

Acq: 18 Oct 2017 19:51

Instrument :

BNA_F

ClientSampled :



Tot Ion: 77 Resp: 26139

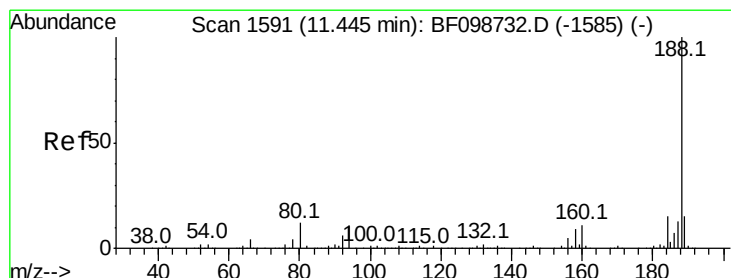
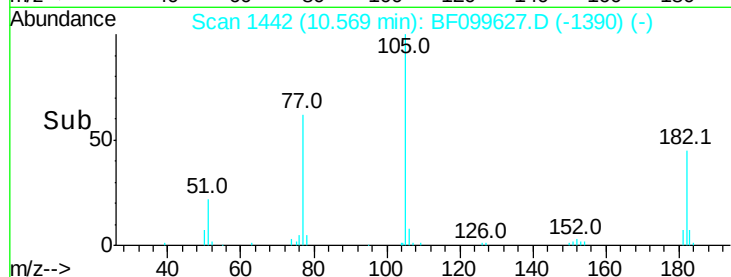
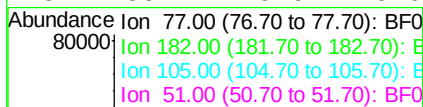
Ion Ratio Lower Upper

77 100

182 73.5 1.7 41.7#

105 162.5 3.0 43.0#

51 35.4 9.9 49.9



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BF099627.D

Acq: 18 Oct 2017 19:51

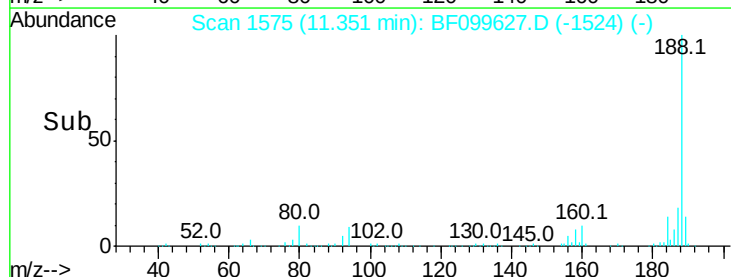
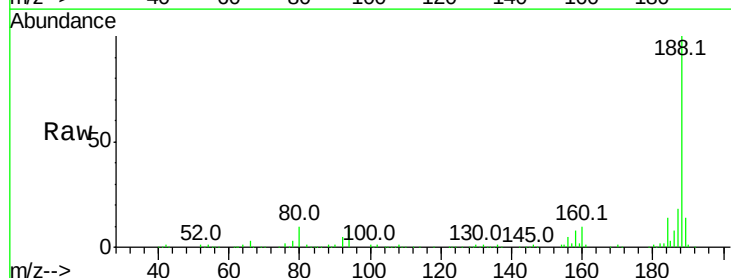
Tgt Ion: 188 Resp: 305382

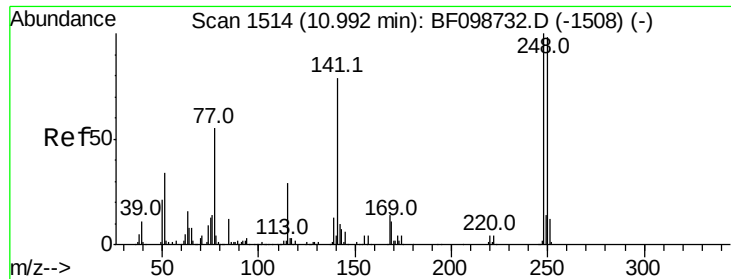
Ion Ratio Lower Upper

188 100

94 9.0 8.5 12.7

80 10.0 9.2 13.8

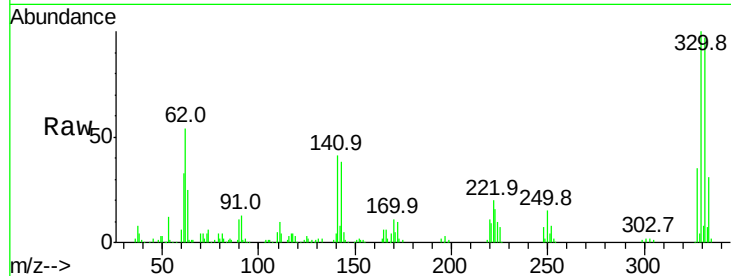




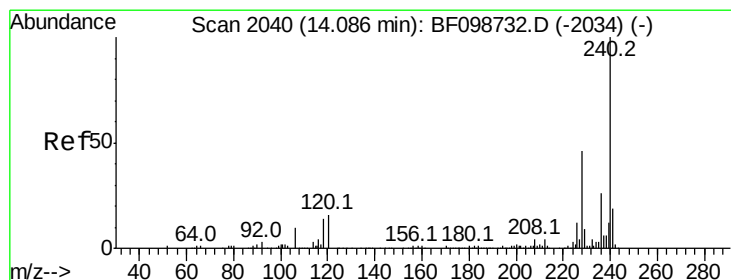
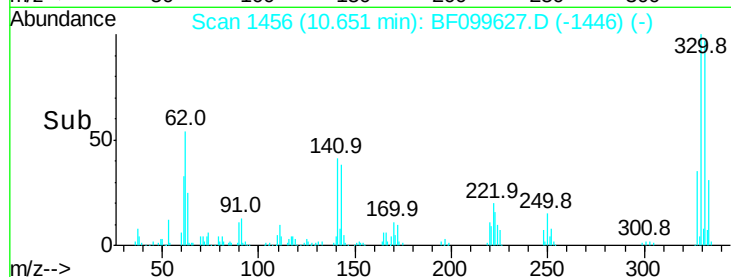
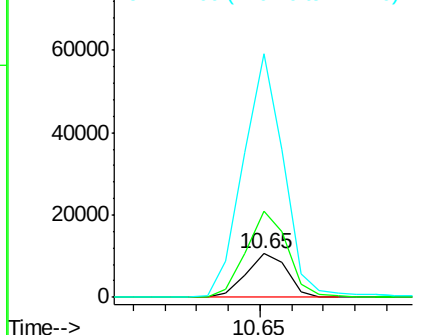
#66
 4-Bromophenyl-phenylether
 Concen: 3.168 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.24 min
 Lab File: BF099627.D
 Acq: 18 Oct 2017 19:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9470
 Ion Ratio Lower Upper
 248 100
 250 200.2 76.9 115.3#
 141 561.9 74.4 111.6#

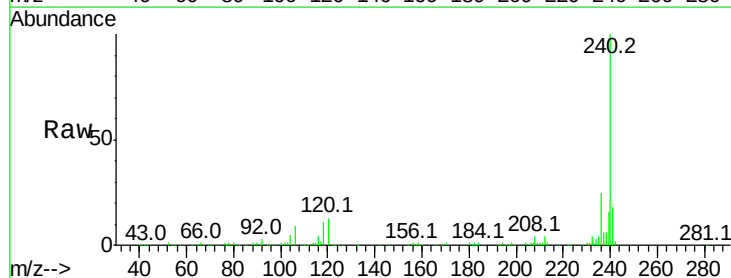


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

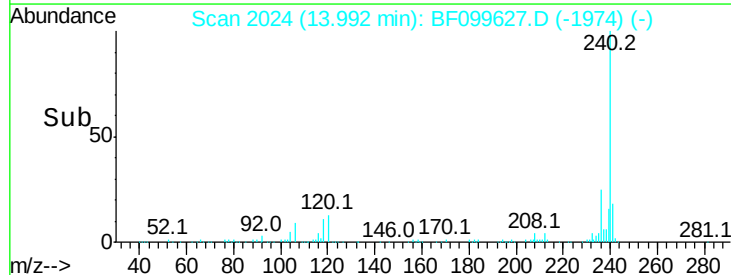
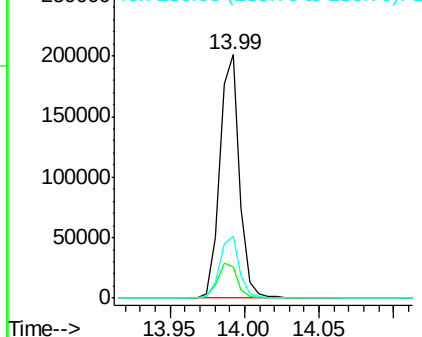


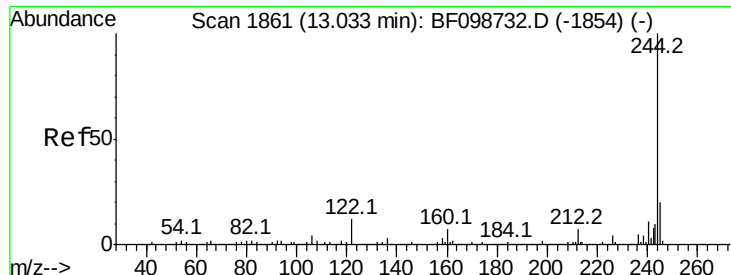
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF099627.D
 Acq: 18 Oct 2017 19:51

Tgt Ion:240 Resp: 186029
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.5 14.3
 236 25.4 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

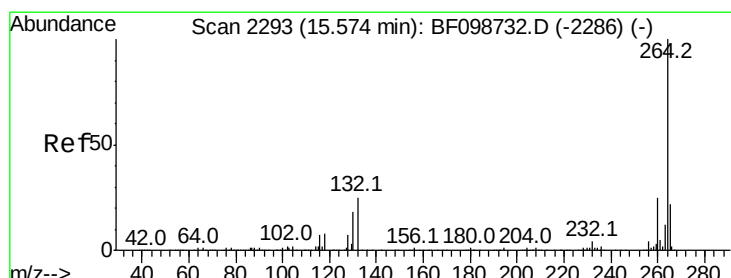
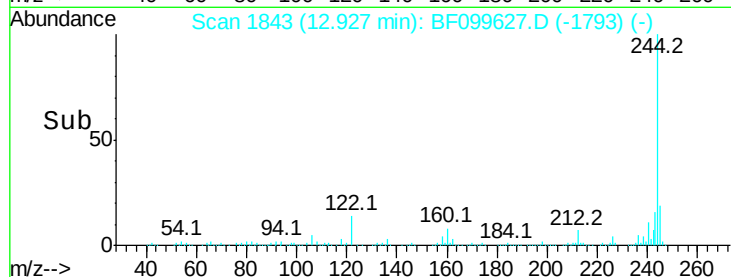
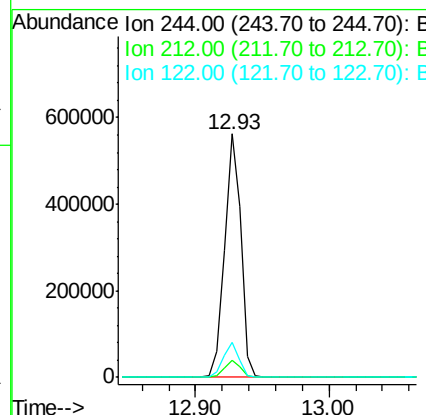
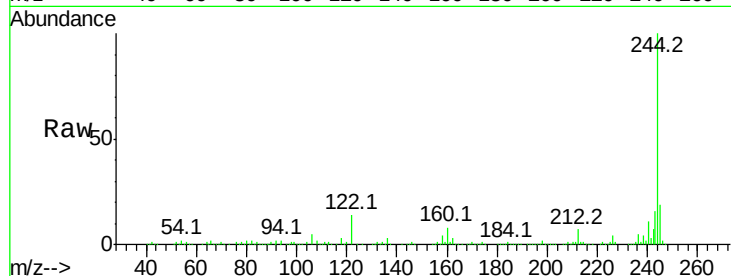




#78
 Terphenyl-d14
 Concen: 59.288 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF099627.D
 Acq: 18 Oct 2017 19:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 484977
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 14.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: BF099627.D
 Acq: 18 Oct 2017 19:51

Tgt Ion:264 Resp: 195688
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 22.0 17.5 26.3

