

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101317\
 Data File : BF099445.D
 Acq On : 13 Oct 2017 17:52
 Operator : SJ/JU
 Sample : I5713-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 22:50:37 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	102146	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	389848	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	159210	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	224715	20.00	ng	0.00
75) Chrysene-d12	14.02	240	176827	20.00	ng	0.00
86) Perylene-d12	15.49	264	195666	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	422206	65.80	ng	0.00
7) Phenol-d6	6.48	99	305069	38.54	ng	0.00
23) Nitrobenzene-d5	7.42	82	601915	99.02	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	169120	129.82	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1039856	109.04	ng	0.00
78) Terphenyl-d14	12.96	244	628263	80.80	ng	0.00

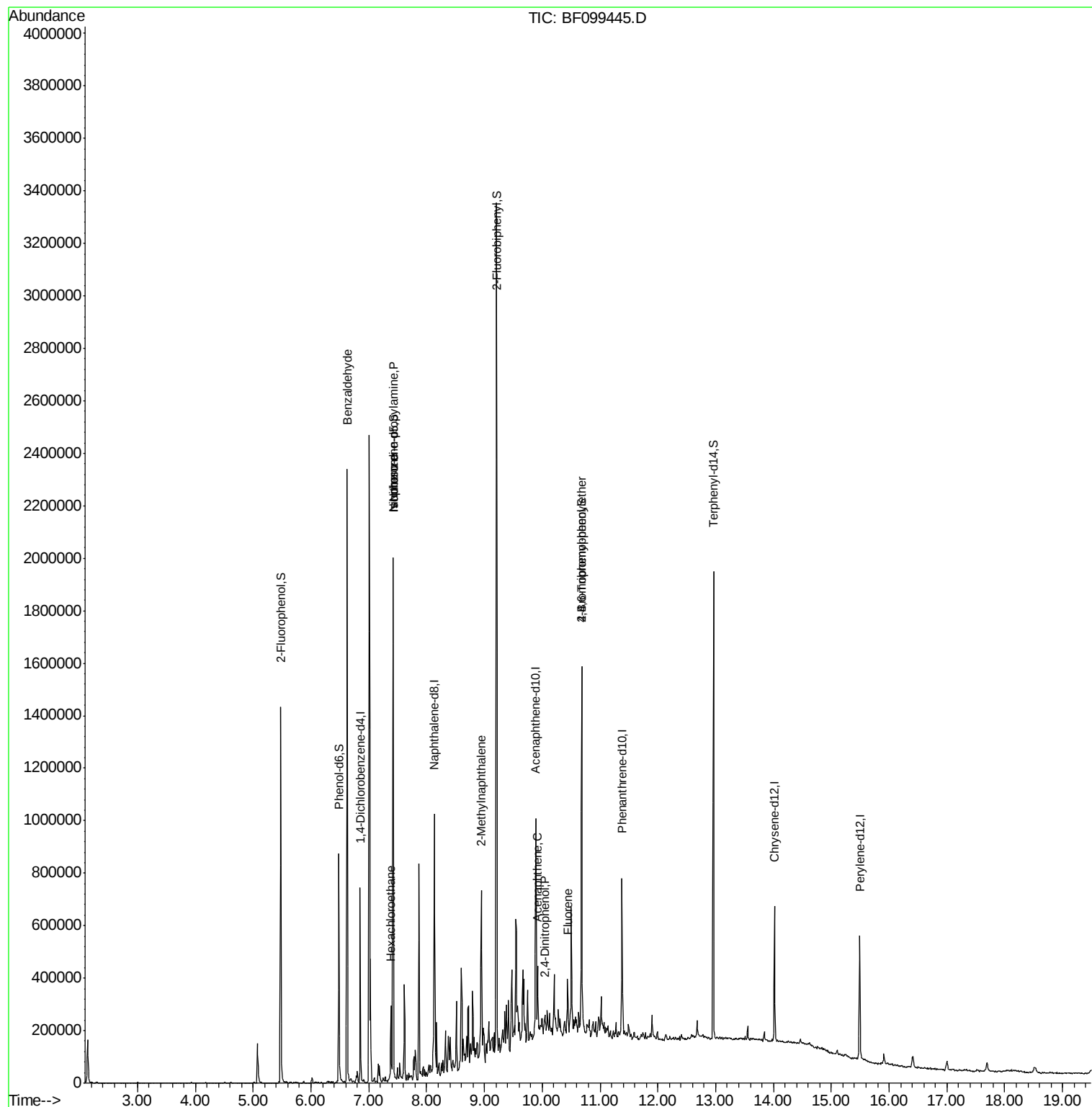
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.63	77	14060	3.06	ng	90
18) Hexachloroethane	7.38	117	36078	12.96	ng	# 41
19) n-Nitroso-di-n-propylamine	7.42	70	77214	15.28	ng	# 74
25) Isophorone	7.42	82	598771	47.64	ng	# 64
37) 2-Methylnaphthalene	8.95	142	144161	12.11	ng	95
51) Acenaphthene	9.92	154	47495	4.77	ng	95
53) 2,4-Dinitrophenol	10.03	184	203	5.97	ng	# 1
57) Fluorene	10.44	166	50569	4.74	ng	99
66) 4-Bromophenyl-phenylether	10.68	248	10989	5.00	ng	# 1

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

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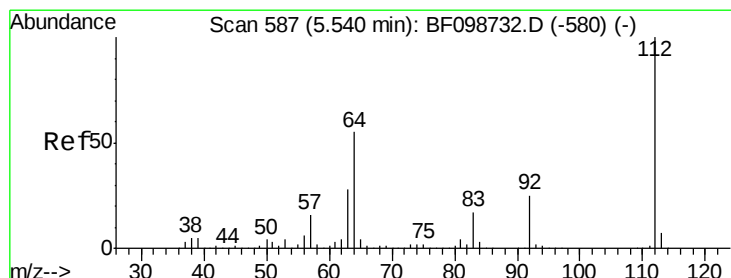
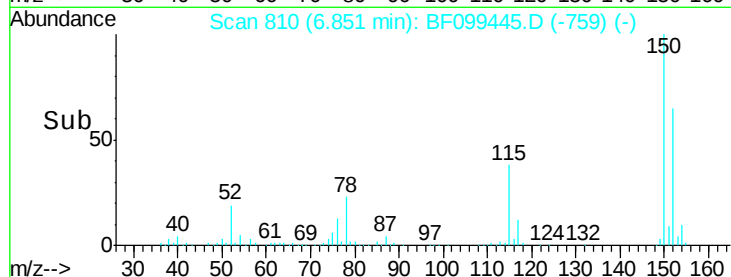
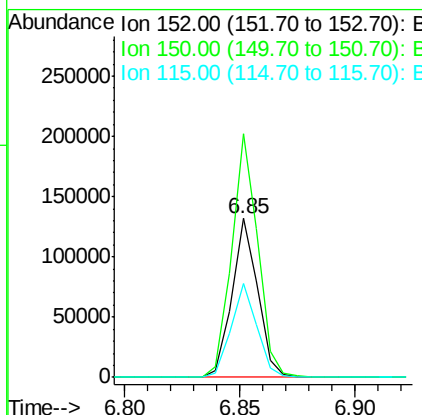
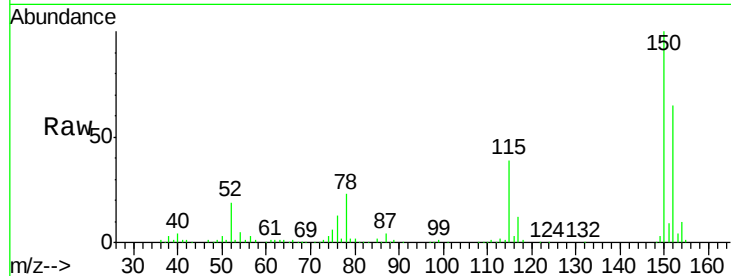


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF099445.D
Acq: 13 Oct 2017 17:52

Instrument :
BNA_F
ClientSampleId :

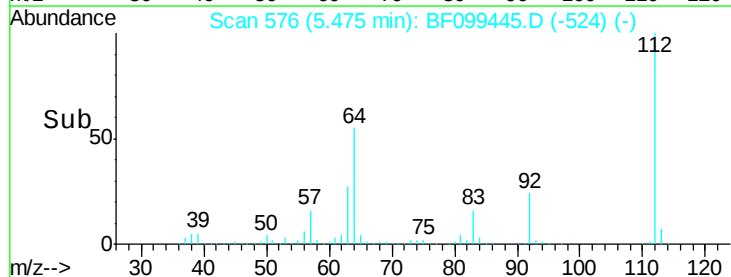
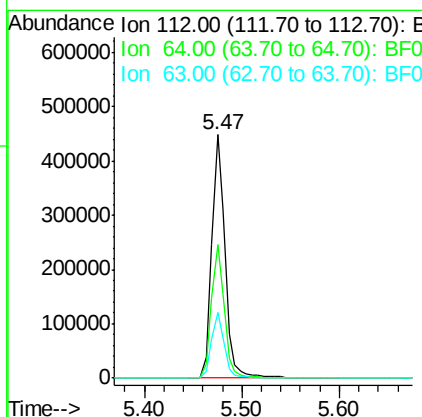
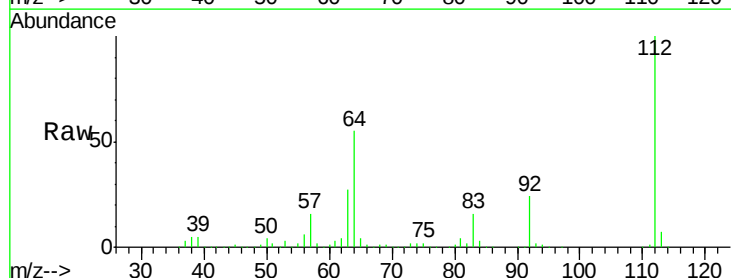
Tot Ion:152 Resp: 102146
Ion Ratio Lower Upper
152 100
150 153.2 124.6 186.8
115 59.1 50.1 75.1

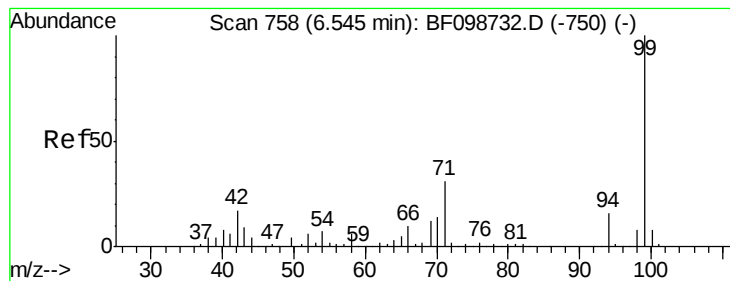


#5

2-Fluorophenol
Concen: 65.80 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF099445.D
Acq: 13 Oct 2017 17:52

Tgt Ion:112 Resp: 422206
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 26.8 23.7 35.5





#7

Phenol-d6

Concen: 38.54 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099445.D

Acq: 13 Oct 2017 17:52

Instrument :

BNA_F

ClientSampled :

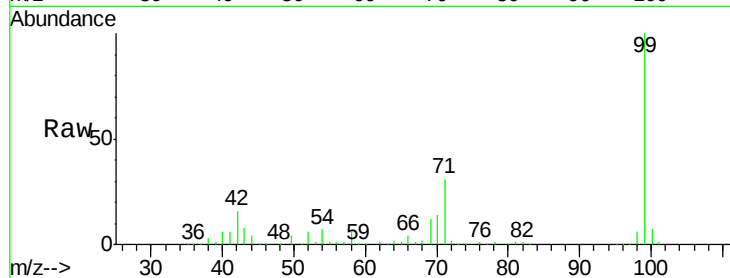
Tot Ion: 99 Resp: 305069

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

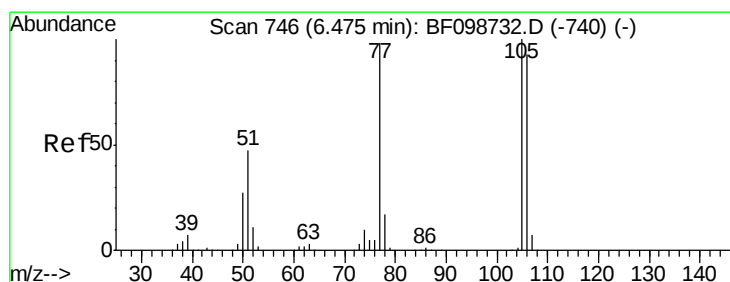
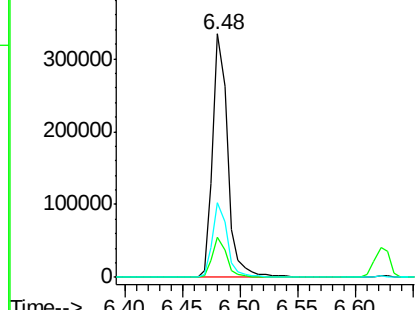
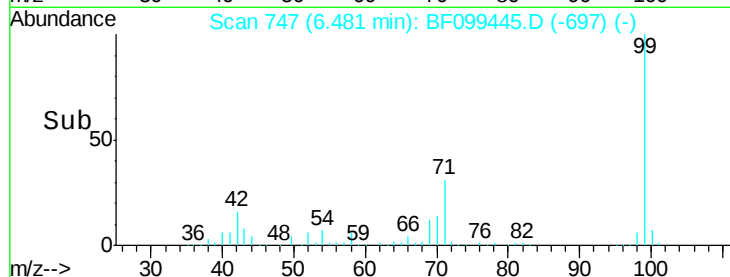
71 30.8 25.4 38.0



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: 3.06 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.22 min

Lab File: BF099445.D

Acq: 13 Oct 2017 17:52

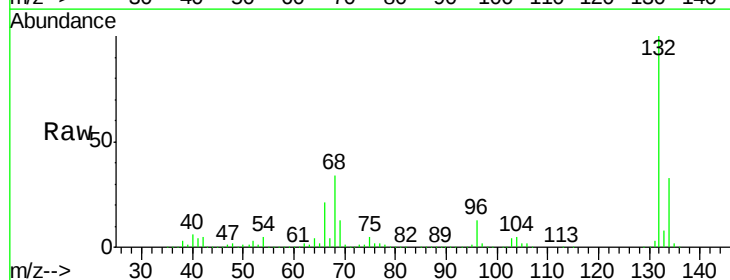
Tgt Ion: 77 Resp: 14060

Ion Ratio Lower Upper

77 100

105 91.8 81.1 121.1

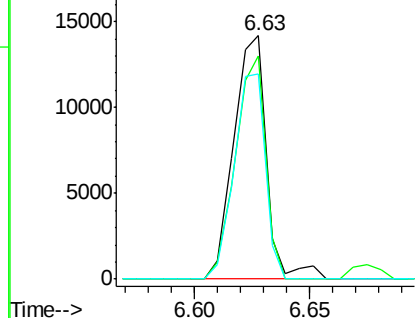
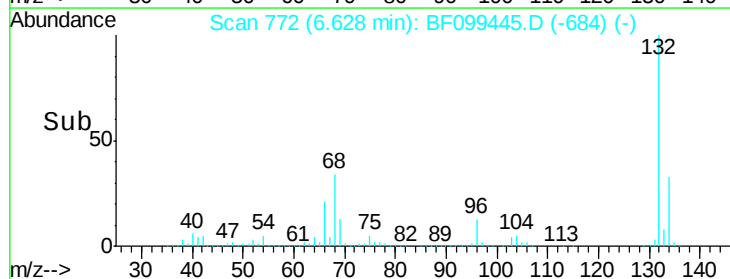
106 84.0 74.5 114.5

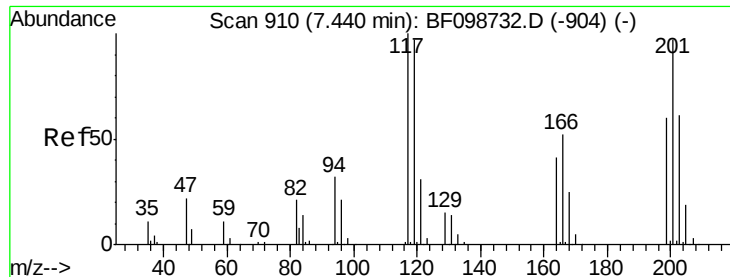


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

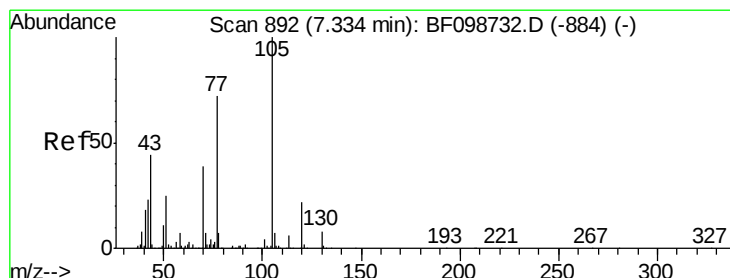
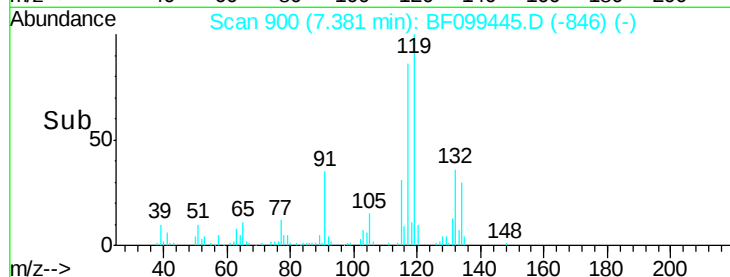
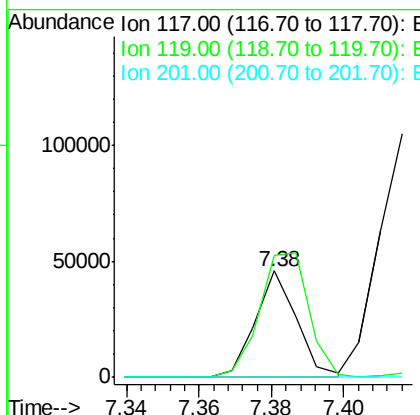
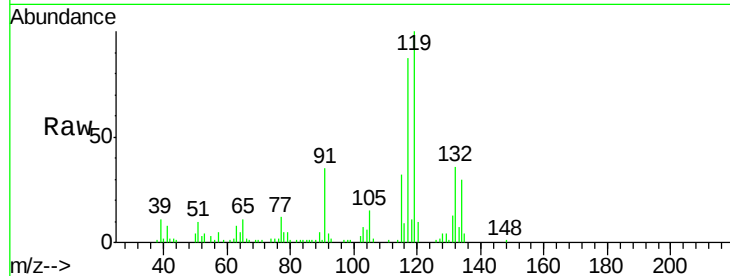




#18
Hexachloroethane
Concen: 12.96 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.02 min
Lab File: BF099445.D
Acq: 13 Oct 2017 17:52

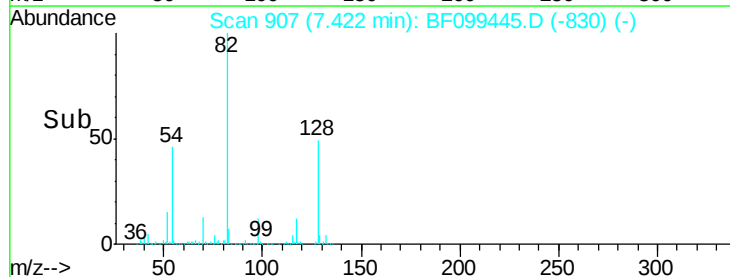
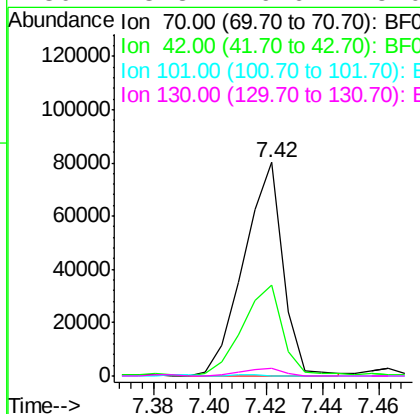
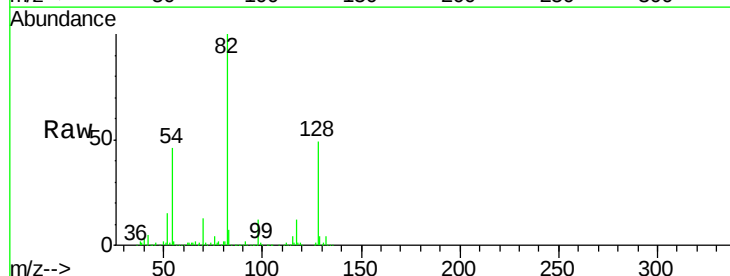
Instrument :
BNA_F
ClientSampled :

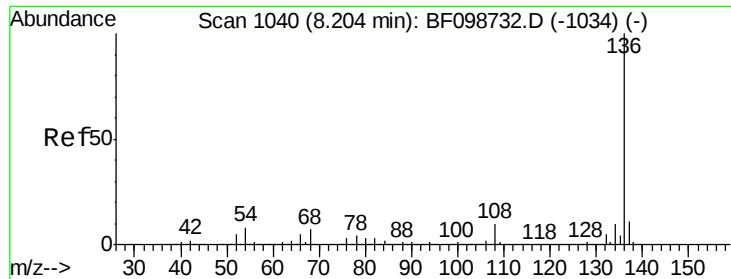
Tot Ion:117 Resp: 36078
Ion Ratio Lower Upper
117 100
119 115.4 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 15.28 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF099445.D
Acq: 13 Oct 2017 17:52

Tgt Ion: 70 Resp: 77214
Ion Ratio Lower Upper
70 100
42 42.6 47.5 71.3#
101 0.0 7.4 11.2#
130 3.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF099445.D

Acq: 13 Oct 2017 17:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 389848

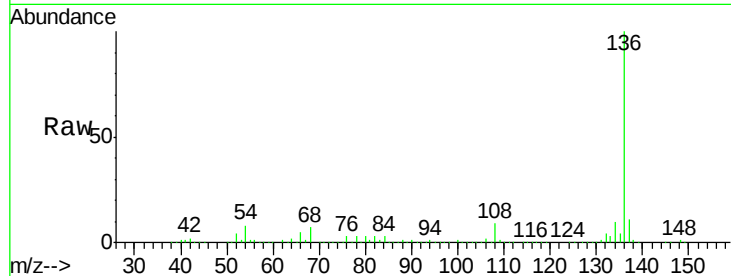
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.8 6.6 9.8

68 6.6 5.0 7.4

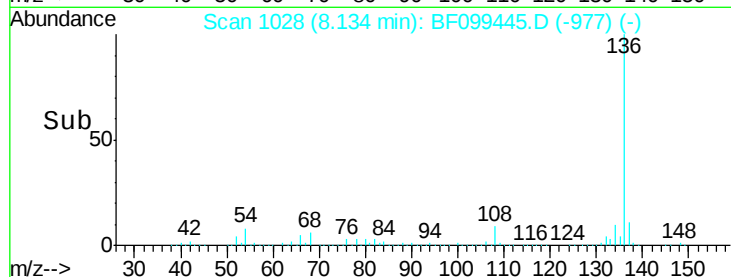


Abundance Ion 136.00 (135.70 to 136.70): E

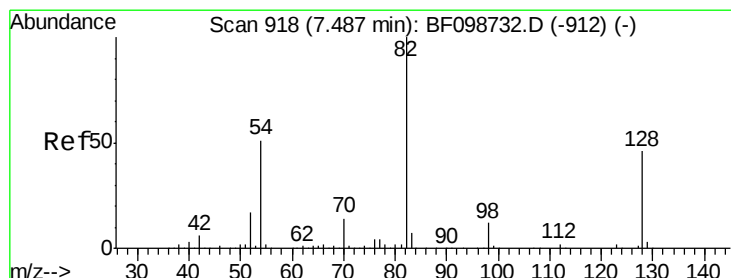
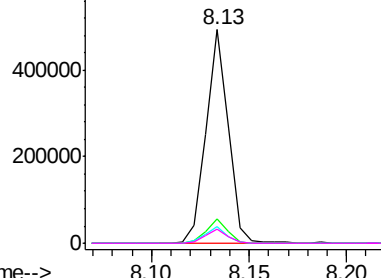
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 99.02 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: BF099445.D

Acq: 13 Oct 2017 17:52

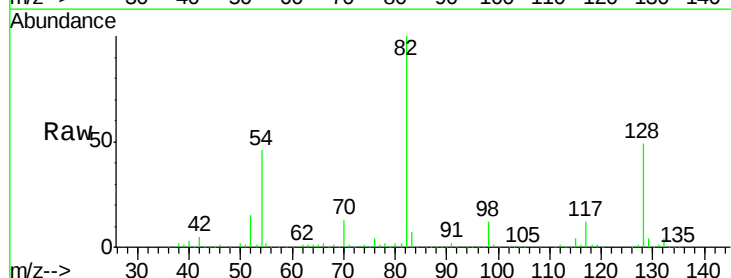
Tgt Ion: 82 Resp: 601915

Ion Ratio Lower Upper

82 100

128 49.4 36.1 54.1

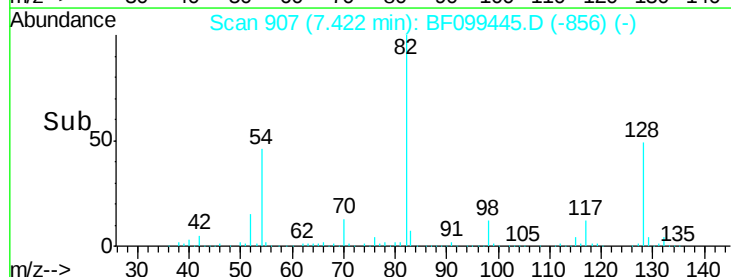
54 45.6 41.4 62.2



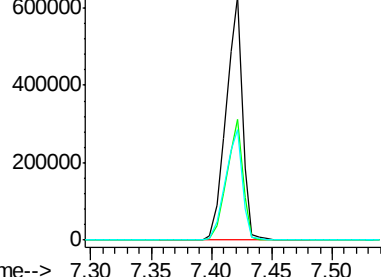
Abundance Ion 82.00 (81.70 to 82.70): BF0

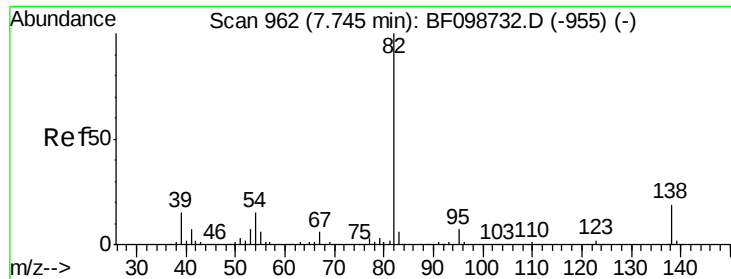
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 47.64 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.25 min

Lab File: BF099445.D

Acq: 13 Oct 2017 17:52

Instrument :

BNA_F

ClientSampled :

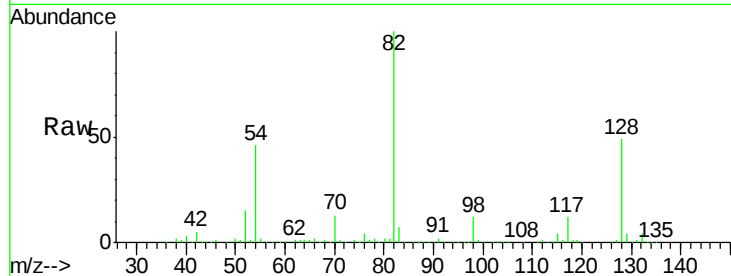
Tot Ion: 82 Resp: 598771

Ion Ratio Lower Upper

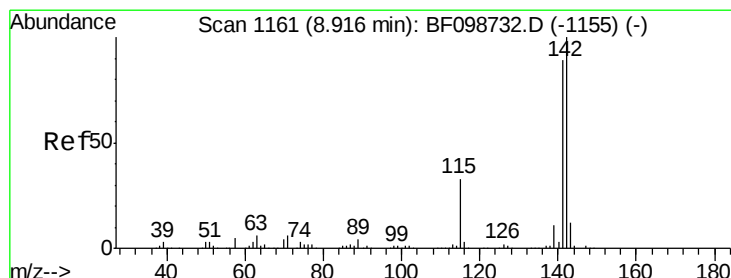
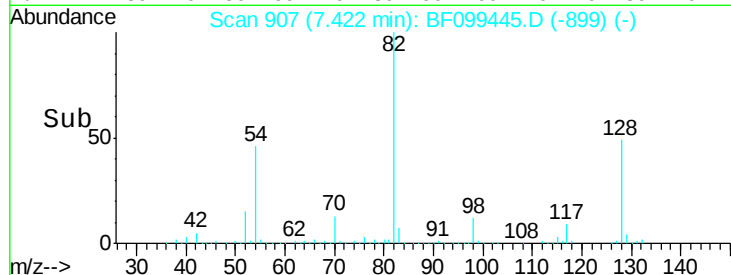
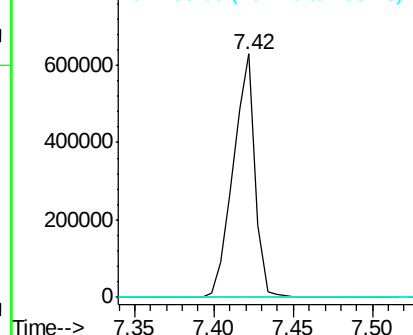
82 100

95 0.1 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



#37

2-Methylnaphthalene

Concen: 12.11 ng

RT: 8.95 min Scan# 1166

Delta R.T. 0.10 min

Lab File: BF099445.D

Acq: 13 Oct 2017 17:52

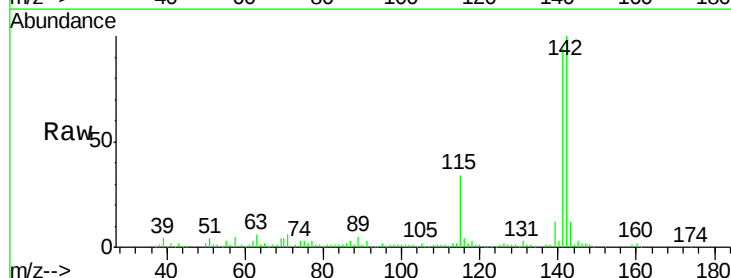
Tgt Ion: 142 Resp: 144161

Ion Ratio Lower Upper

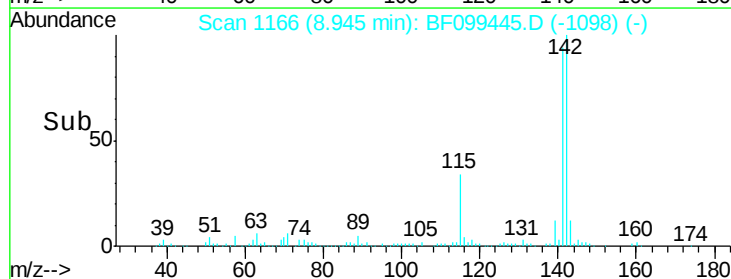
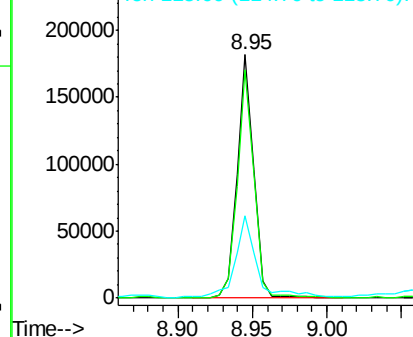
142 100

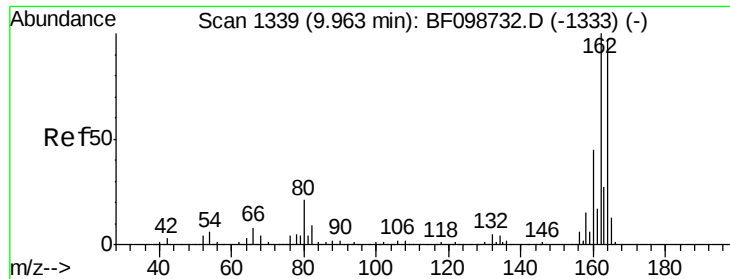
141 93.9 70.8 106.2

115 33.9 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

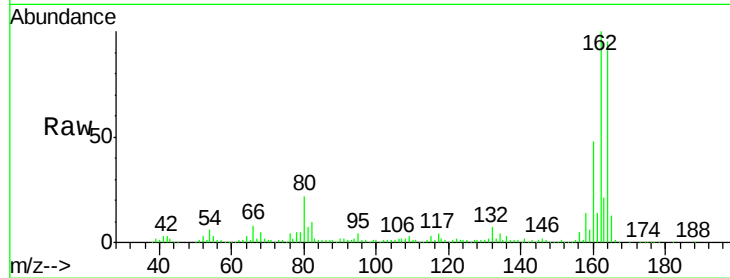




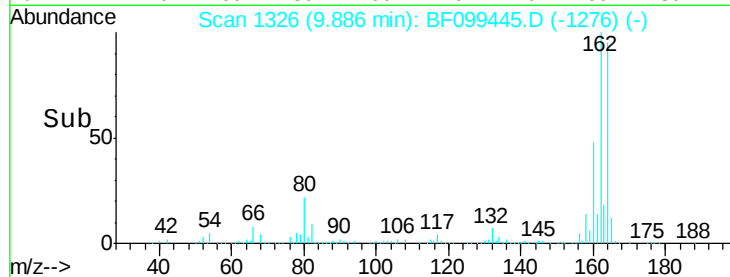
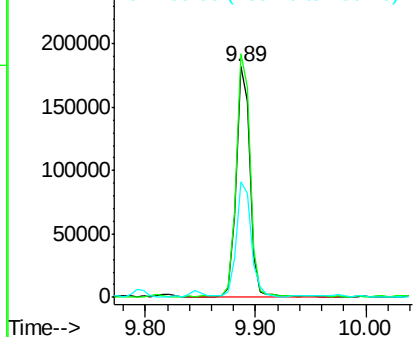
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF099445.D
 Acq: 13 Oct 2017 17:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 159210
 Ion Ratio Lower Upper
 164 100
 162 105.5 86.1 129.1
 160 50.2 38.3 57.5

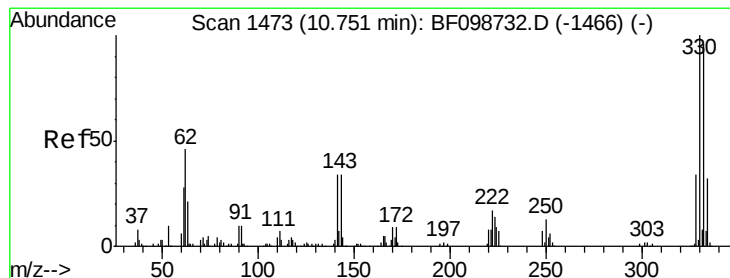


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

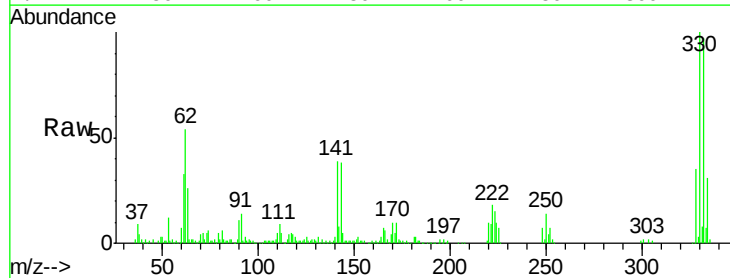
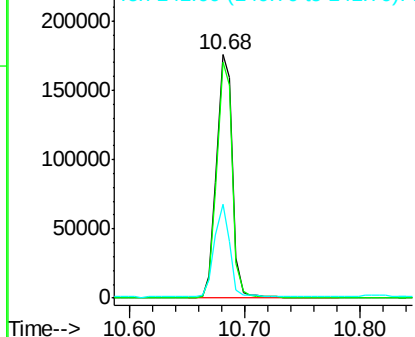


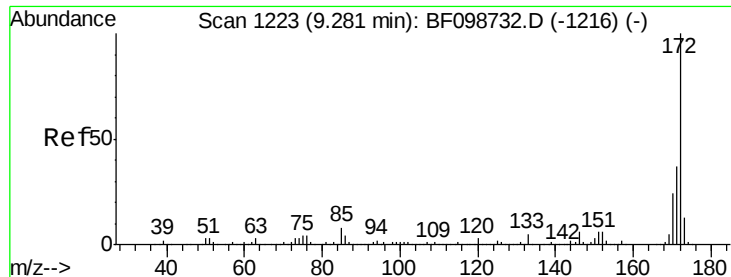
#41
 2,4,6-Tribromophenol
 Concen: 129.82 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BF099445.D
 Acq: 13 Oct 2017 17:52

Tgt Ion:330 Resp: 169120
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 37.0 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



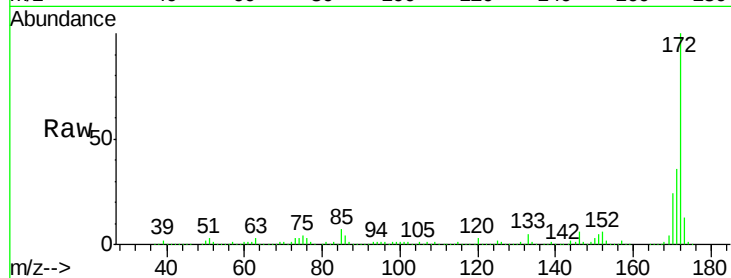


#44
 2-Fluorobiphenyl
 Concen: 109.04 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF099445.D
 Acq: 13 Oct 2017 17:52

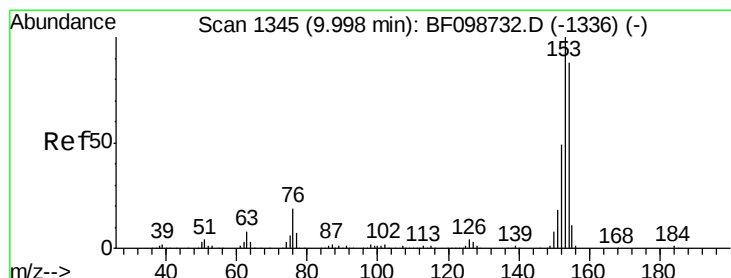
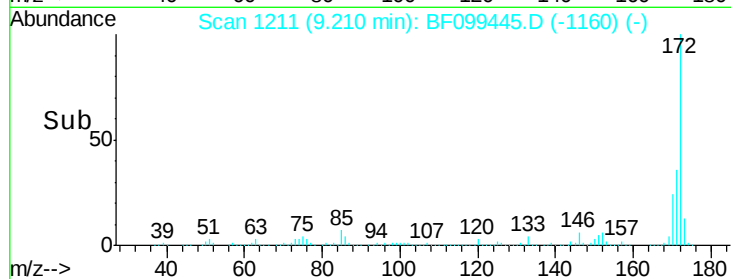
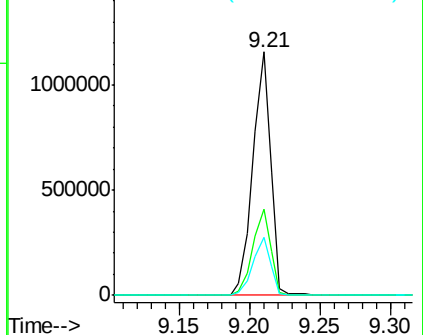
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1039856

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.9	19.6	29.4



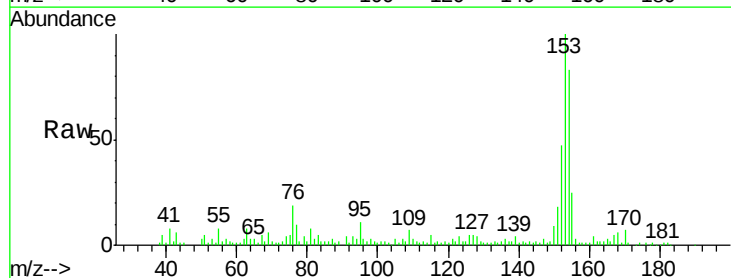
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



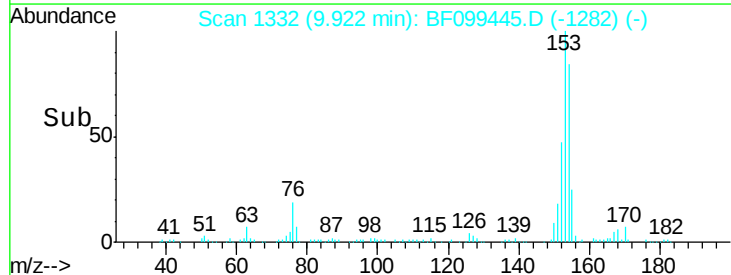
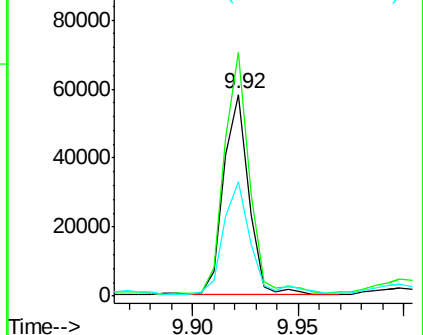
#51
 Acenaphthene
 Concen: 4.77 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF099445.D
 Acq: 13 Oct 2017 17:52

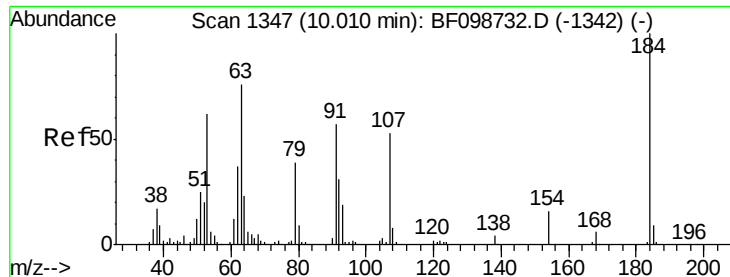
Tgt Ion:154 Resp: 47495

Ion	Ratio	Lower	Upper
154	100		
153	120.6	91.2	136.8
152	56.5	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

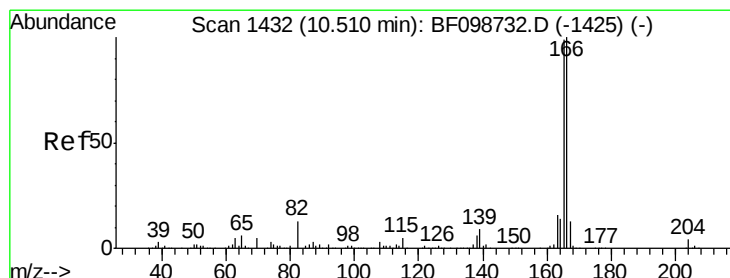
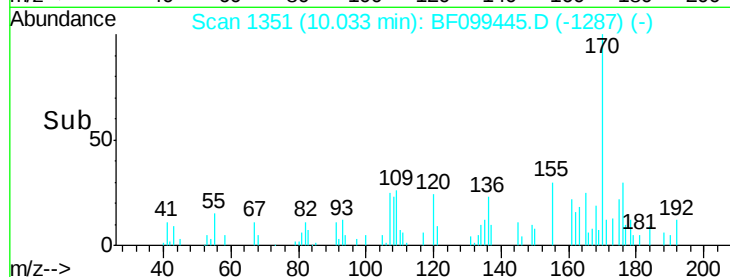
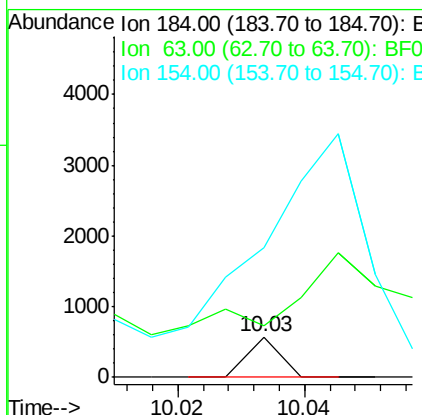
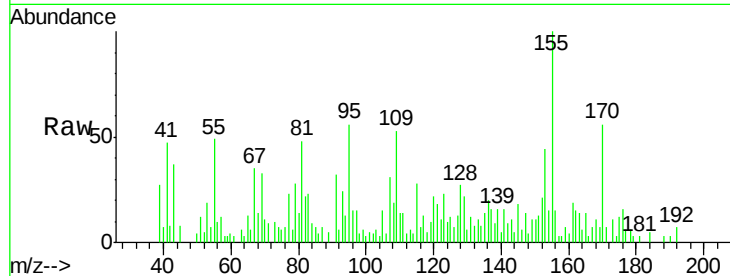




#53
2,4-Dinitrophenol
Concen: 5.97 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.08 min
Lab File: BF099445.D
Acq: 13 Oct 2017 17:52

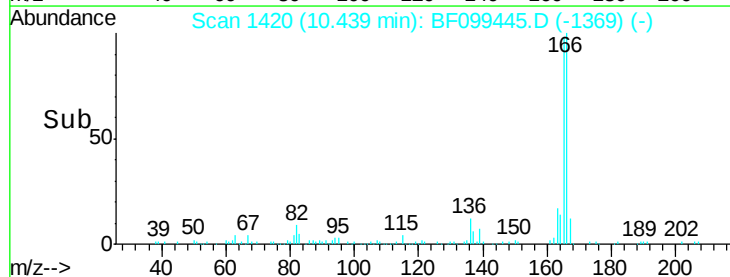
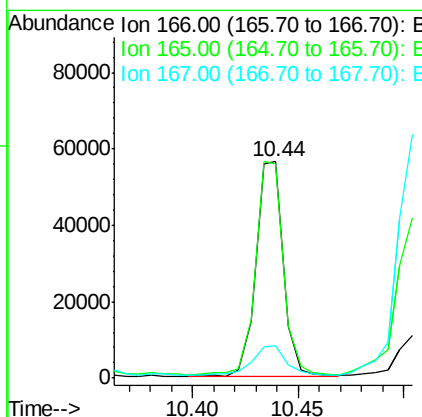
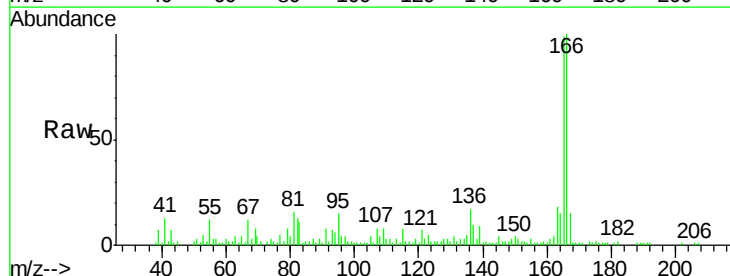
Instrument :
BNA_F
ClientSampleId :

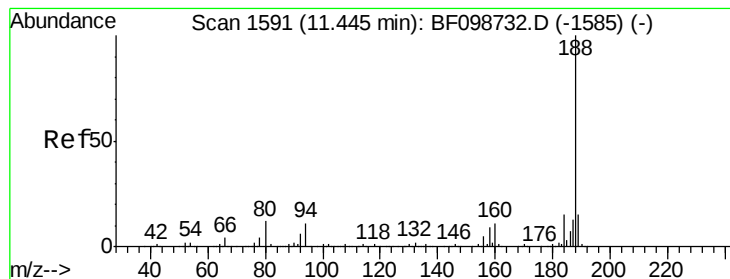
Tot Ion:184 Resp: 203
Ion Ratio Lower Upper
184 100
63 127.9 54.2 81.2#
154 318.6 53.5 80.3#



#57
Fluorene
Concen: 4.74 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.00 min
Lab File: BF099445.D
Acq: 13 Oct 2017 17:52

Tgt Ion:166 Resp: 50569
Ion Ratio Lower Upper
166 100
165 99.1 79.8 119.8
167 14.8 10.6 16.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BF099445.D

Acq: 13 Oct 2017 17:52

Instrument :

BNA_F

ClientSampleId :

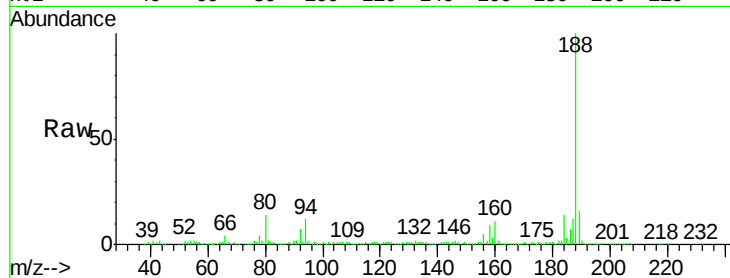
Tot Ion:188 Resp: 224715

Ion Ratio Lower Upper

188 100

94 12.2 8.5 12.7

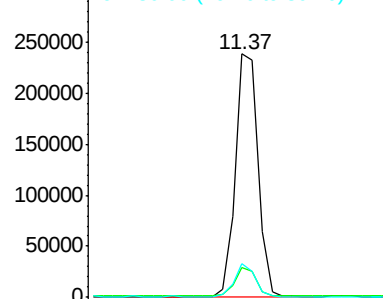
80 13.6 9.2 13.8



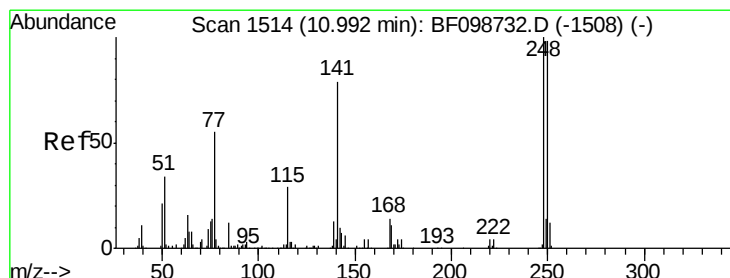
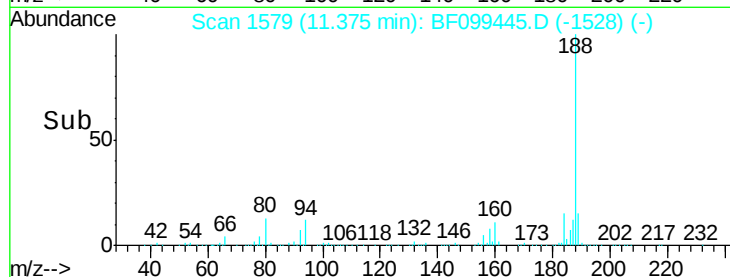
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 11.30 11.35 11.40



#66

4-Bromophenyl-phenylether

Concen: 5.00 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.24 min

Lab File: BF099445.D

Acq: 13 Oct 2017 17:52

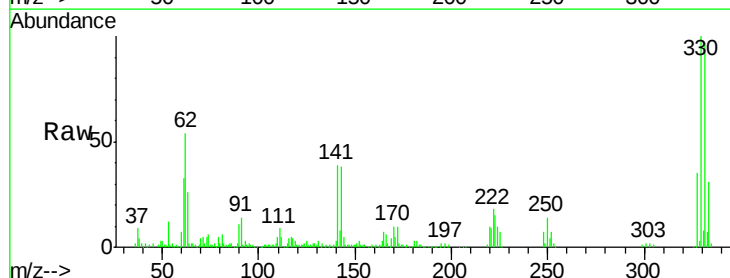
Tgt Ion:248 Resp: 10989

Ion Ratio Lower Upper

248 100

250 193.9 76.9 115.3#

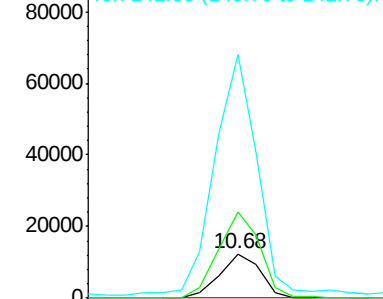
141 547.9 74.4 111.6#



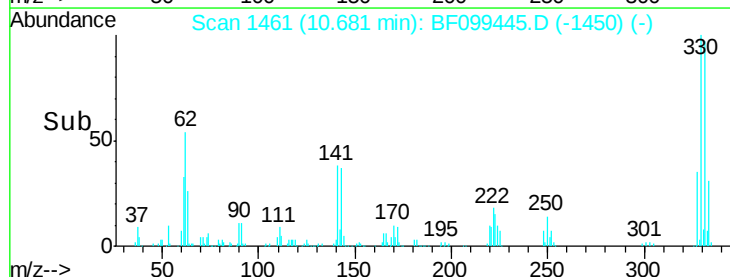
Abundance Ion 248.00 (247.70 to 248.70): E

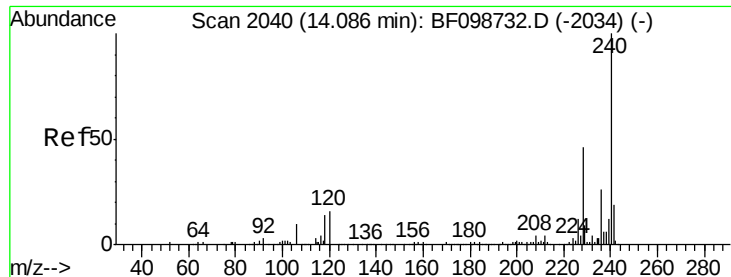
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 10.65 10.70





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF099445.D

Acq: 13 Oct 2017 17:52

Instrument :

BNA_F

ClientSampleId :

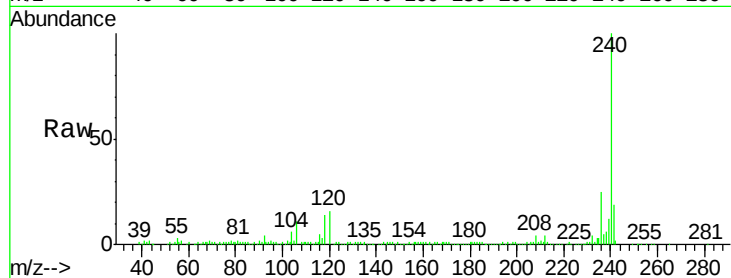
Tot Ion:240 Resp: 176827

Ion Ratio Lower Upper

240 100

120 15.9 9.5 14.3#

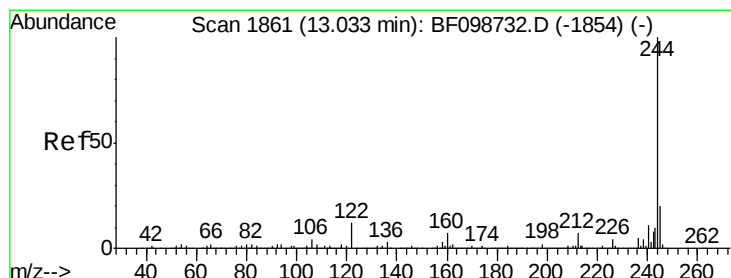
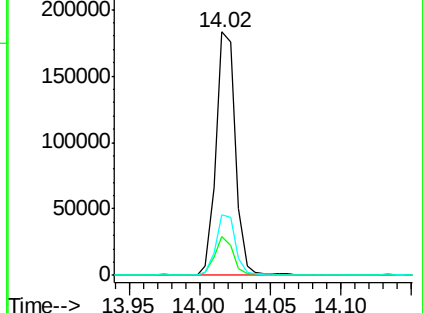
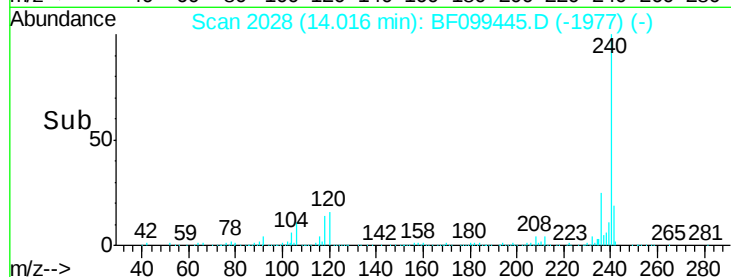
236 25.0 20.7 31.1



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: 80.80 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF099445.D

Acq: 13 Oct 2017 17:52

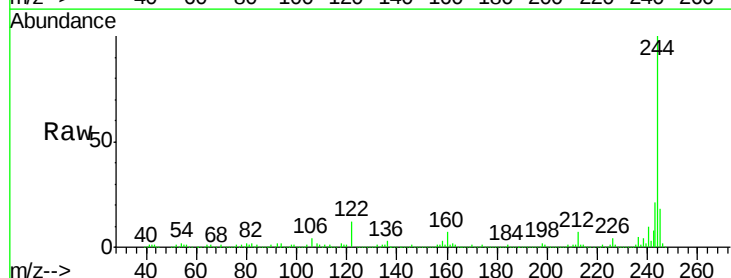
Tgt Ion:244 Resp: 628263

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

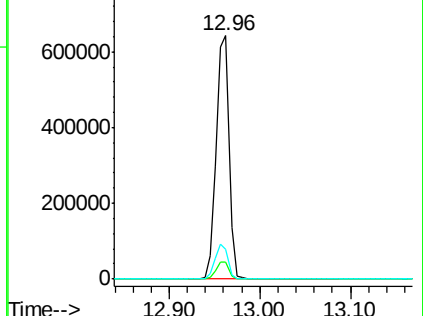
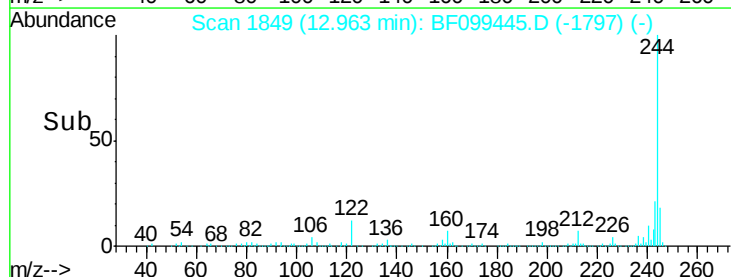
122 12.0 11.0 16.4

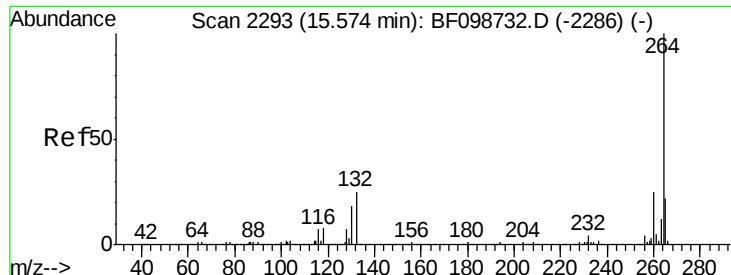


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

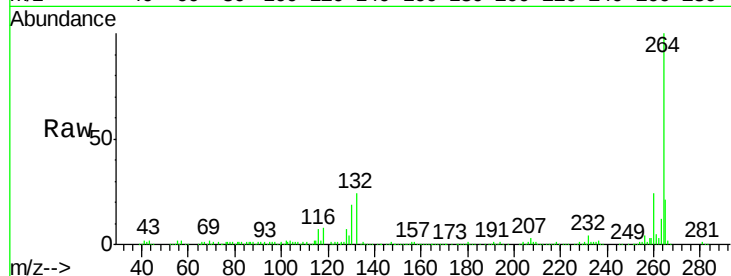




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.01 min
Lab File: BF099445.D
Acq: 13 Oct 2017 17:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	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

