

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100817\
 Data File : BF099245.D
 Acq On : 8 Oct 2017 21:21
 Operator : SJ/JU
 Sample : I5542-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 01:15:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

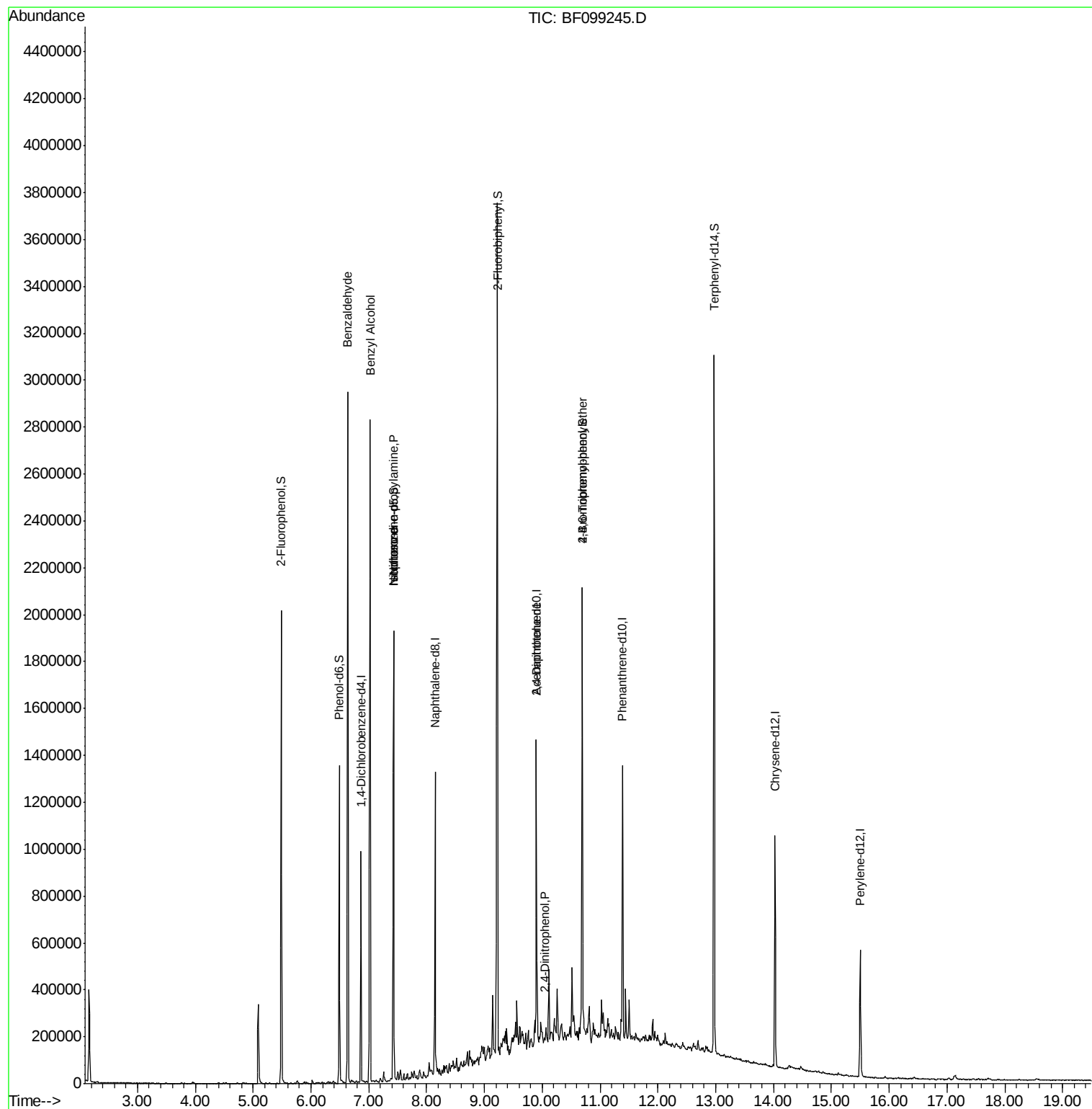
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	137550	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	559156	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	259570	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	441490	20.00	ng	0.00
75) Chrysene-d12	14.03	240	309505	20.00	ng	0.00
86) Perylene-d12	15.50	264	237580	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	586665	67.90	ng	0.00
7) Phenol-d6	6.49	99	467132	43.82	ng	0.00
23) Nitrobenzene-d5	7.43	82	750291	86.05	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	270161	127.20	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1332570	85.70	ng	0.00
78) Terphenyl-d14	12.97	244	1060298	77.91	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	17681	2.86	ng	# 83
15) Benzyl Alcohol	7.02	79	16409	2.10	ng	# 36
19) n-Nitroso-di-n-propylamine	7.43	70	95258	14.00	ng	# 74
25) Isophorone	7.43	82	745691	41.37	ng	# 64
53) 2,4-Dinitrophenol	10.05	184	551	6.06	ng	# 76
56) 2,4-Dinitrotoluene	9.90	165	36502	6.59	ng	# 27
66) 4-Bromophenyl-phenylether	10.69	248	17825	4.12	ng	# 1

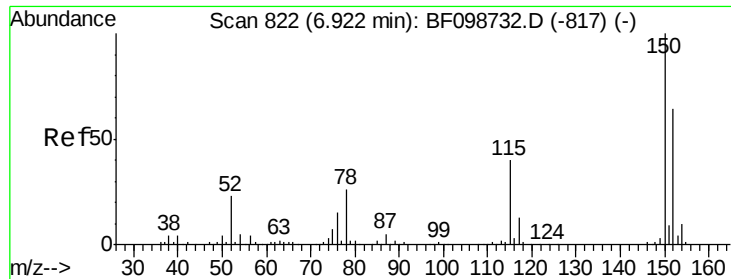
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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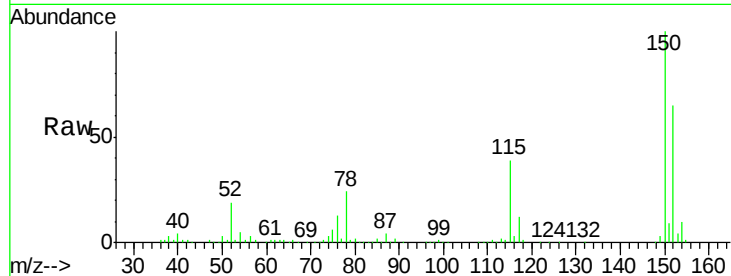


#1

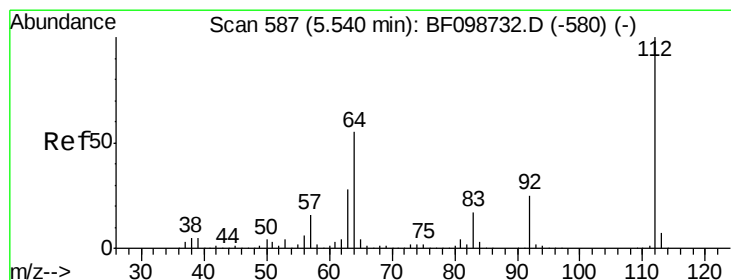
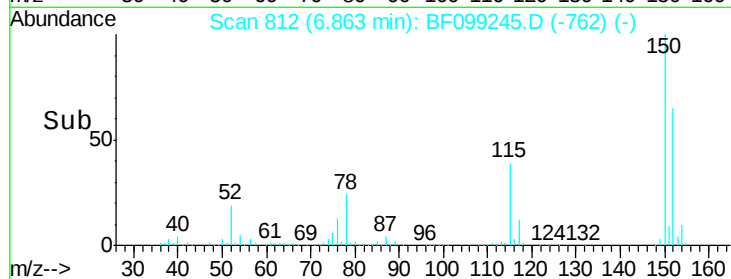
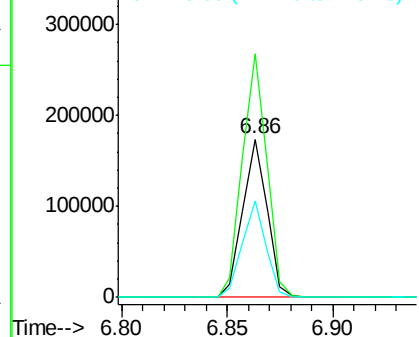
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099245.D
 Acq: 8 Oct 2017 21:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 137550
 Ion Ratio Lower Upper
 152 100
 150 153.8 124.6 186.8
 115 60.6 50.1 75.1



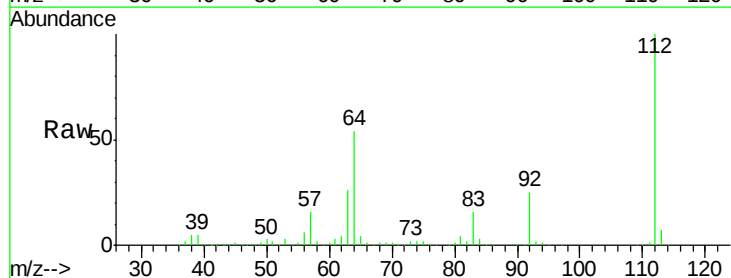
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



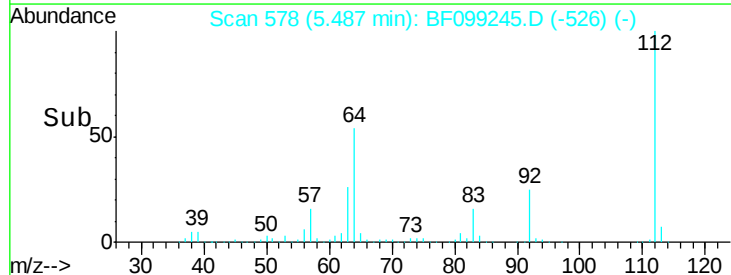
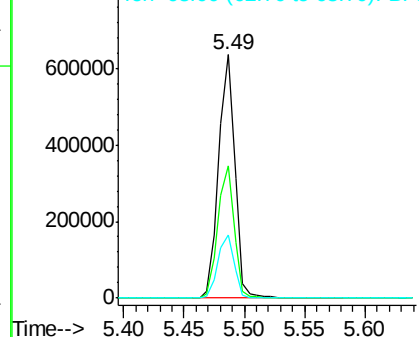
#5

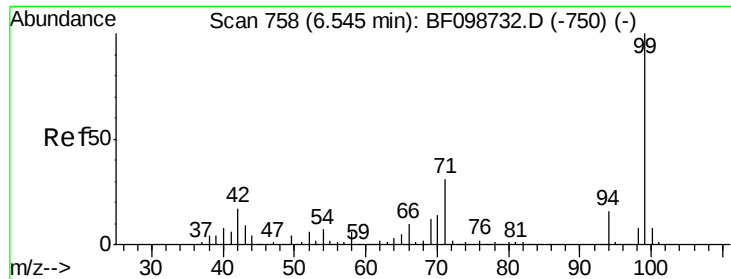
2-Fluorophenol
 Concen: 67.90 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF099245.D
 Acq: 8 Oct 2017 21:21

Tgt Ion:112 Resp: 586665
 Ion Ratio Lower Upper
 112 100
 64 54.3 47.9 71.9
 63 26.1 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: 43.82 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099245.D

Acq: 8 Oct 2017 21:21

Instrument :

BNA_F

ClientSampleId :

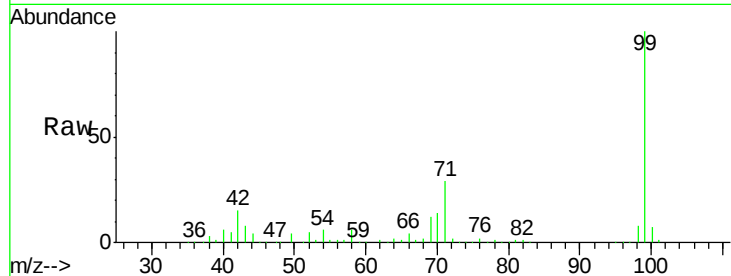
Tot Ion: 99 Resp: 467132

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

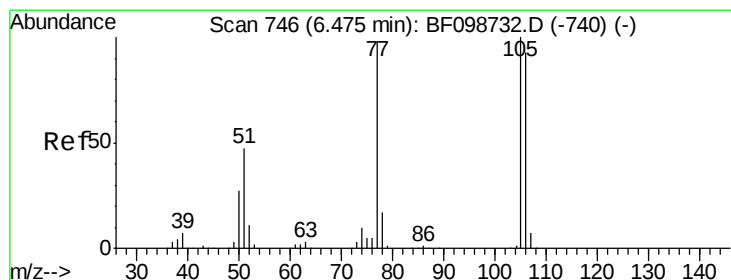
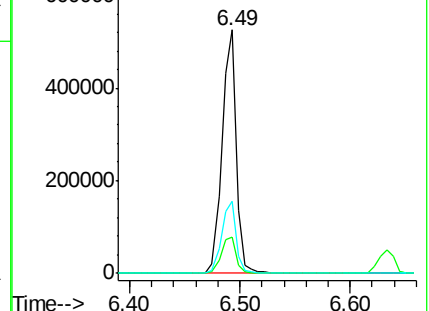
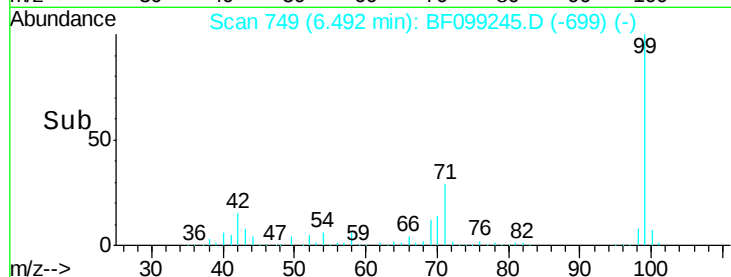
71 29.4 25.4 38.0



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: 2.86 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.21 min

Lab File: BF099245.D

Acq: 8 Oct 2017 21:21

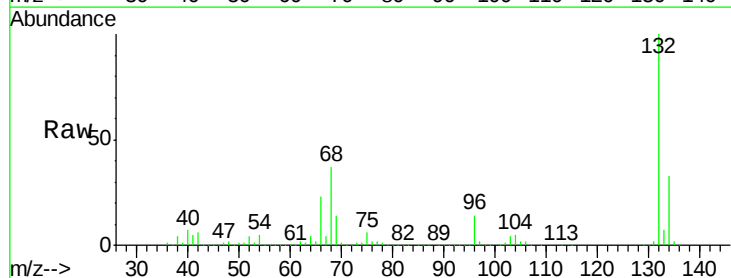
Tgt Ion: 77 Resp: 17681

Ion Ratio Lower Upper

77 100

105 80.5 81.1 121.1#

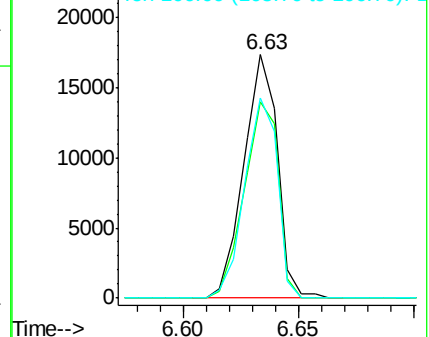
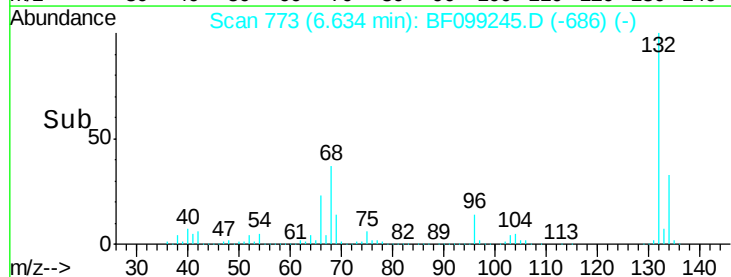
106 81.9 74.5 114.5

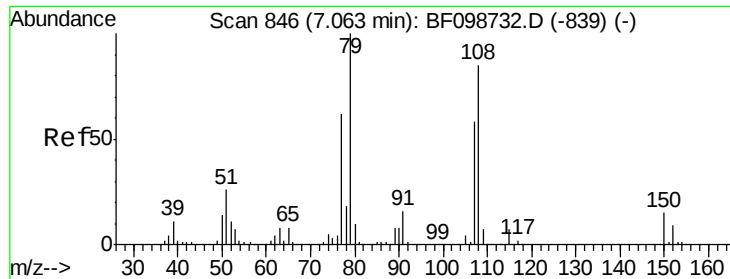


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF099245.D

Acq: 8 Oct 2017 21:21

Instrument :

BNA_F

ClientSampleId :

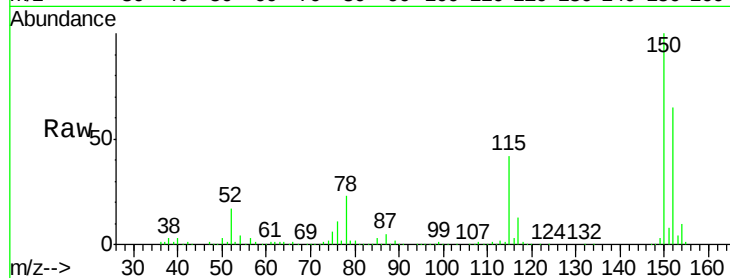
Tot Ion: 79 Resp: 16409

Ion Ratio Lower Upper

79 100

108 34.1 65.1 97.7#

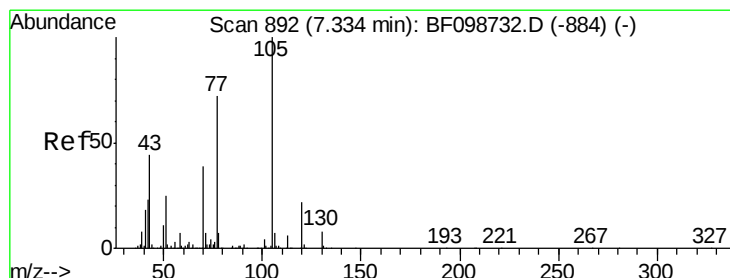
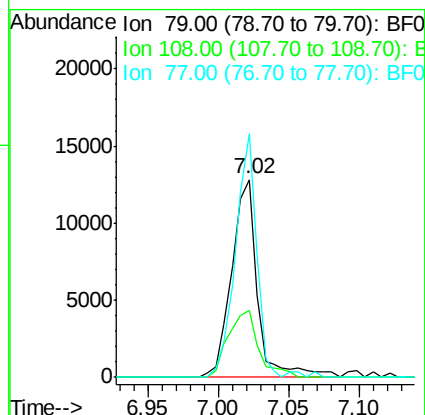
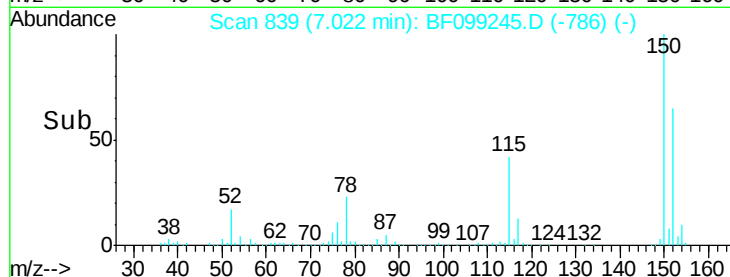
77 123.1 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.00 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099245.D

Acq: 8 Oct 2017 21:21

Tgt Ion: 70 Resp: 95258

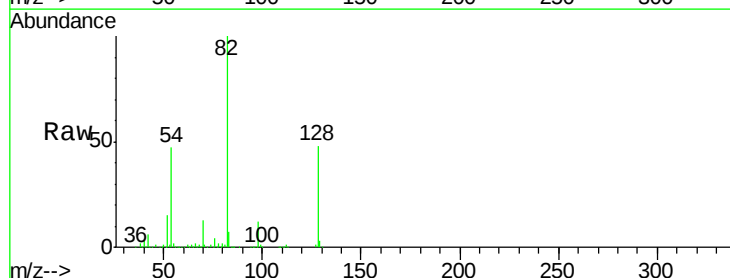
Ion Ratio Lower Upper

70 100

42 43.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.9 16.6 25.0#

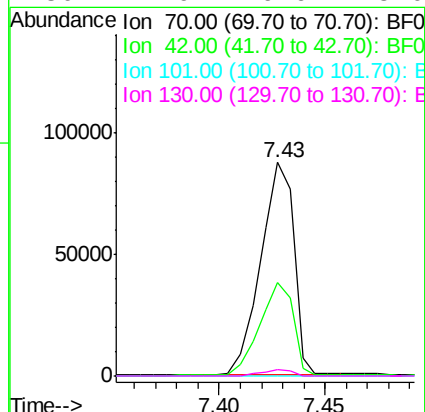
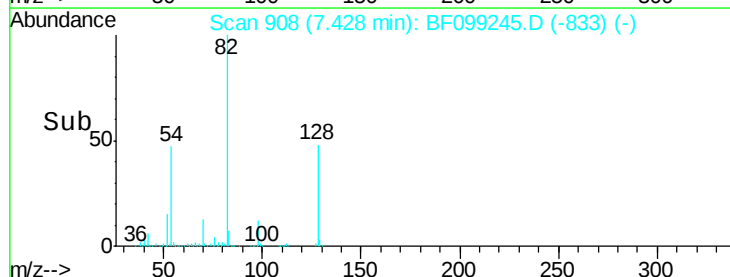


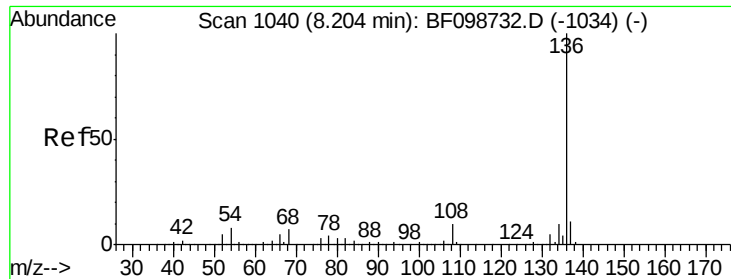
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099245.D

Acq: 8 Oct 2017 21:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 559156

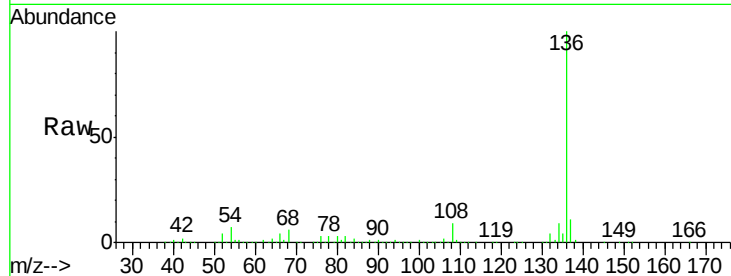
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.3 6.6 9.8

68 6.1 5.0 7.4

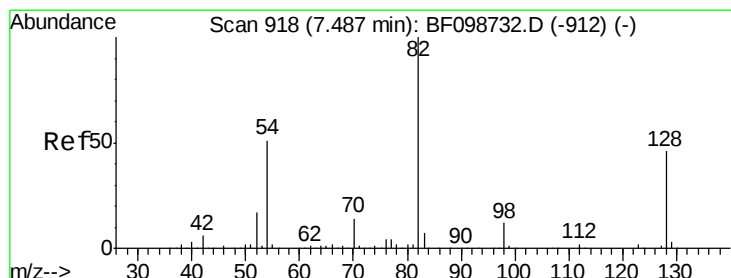
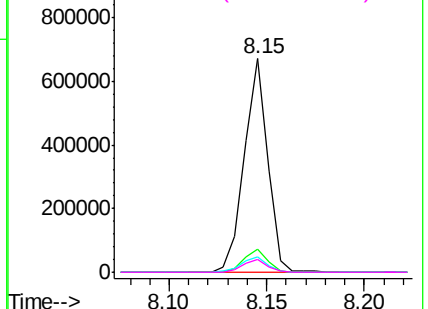
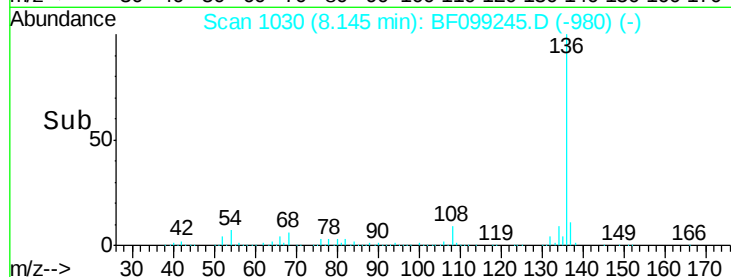


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.05 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF099245.D

Acq: 8 Oct 2017 21:21

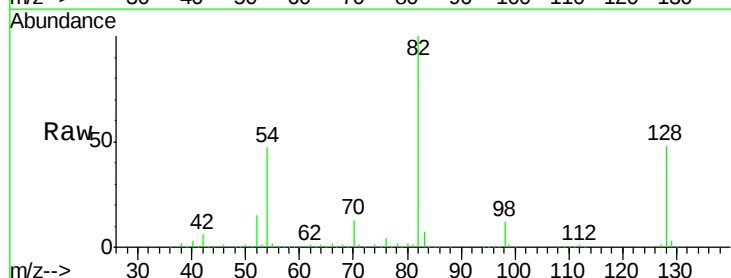
Tgt Ion: 82 Resp: 750291

Ion Ratio Lower Upper

82 100

128 47.6 36.1 54.1

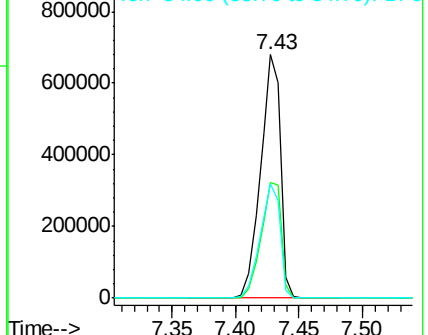
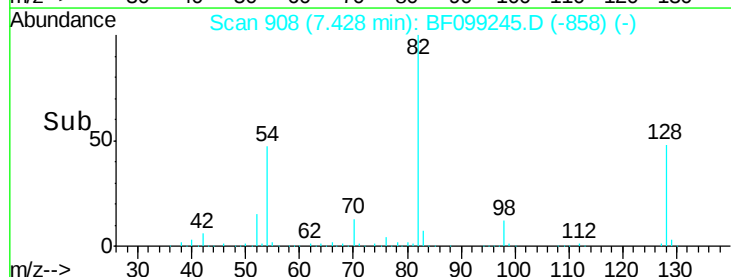
54 47.1 41.4 62.2

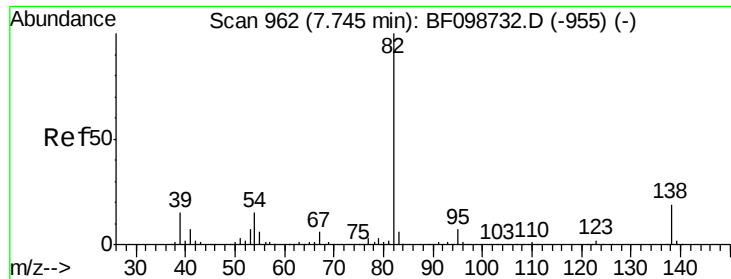


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 41.37 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF099245.D

Acq: 8 Oct 2017 21:21

Instrument :

BNA_F

ClientSampled :

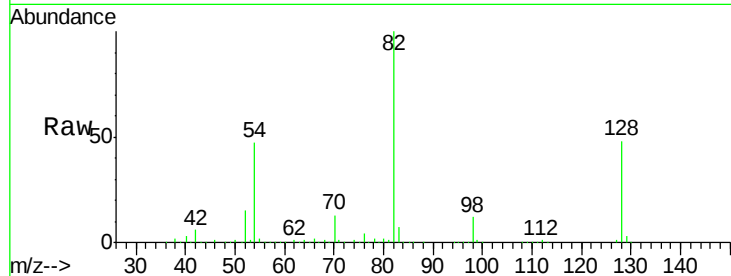
Tot Ion: 82 Resp: 745691

Ion Ratio Lower Upper

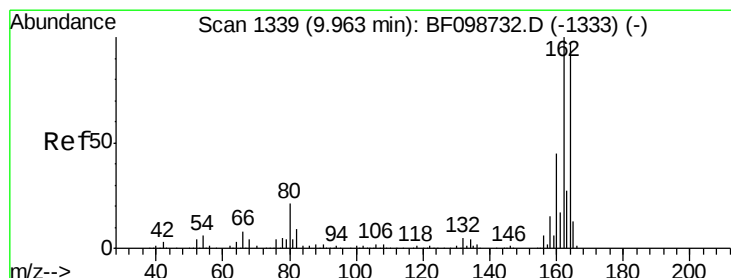
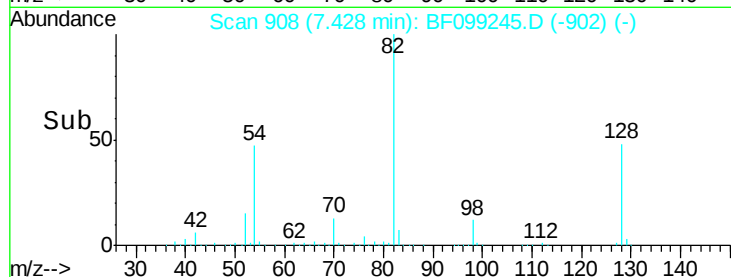
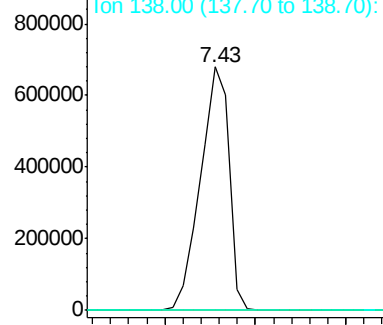
82 100

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099245.D

Acq: 8 Oct 2017 21:21

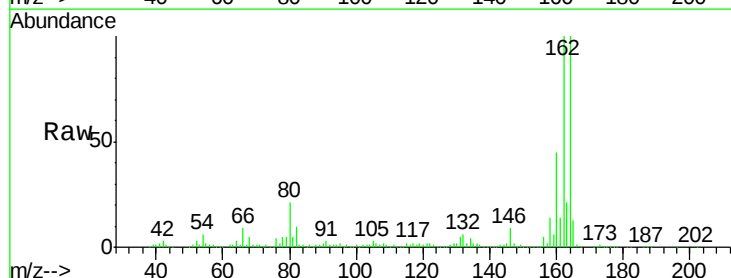
Tgt Ion:164 Resp: 259570

Ion Ratio Lower Upper

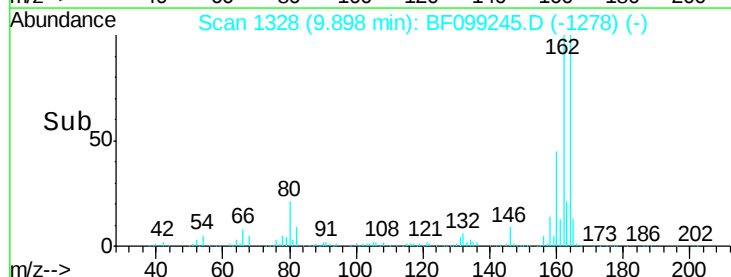
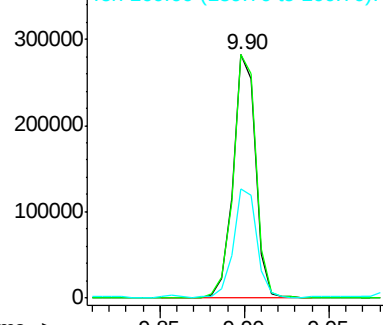
164 100

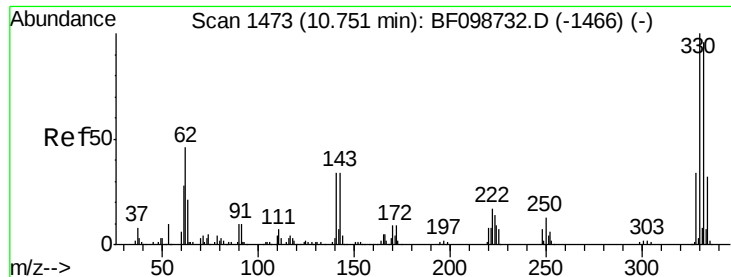
162 100.0 86.1 129.1

160 45.1 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

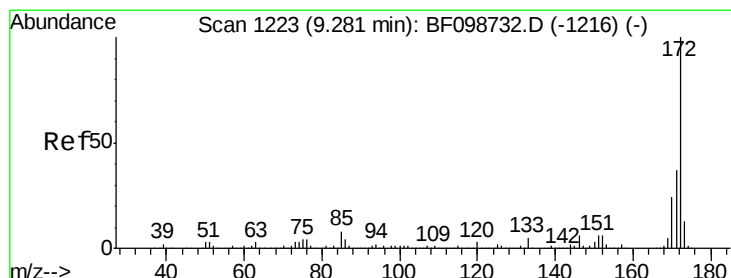
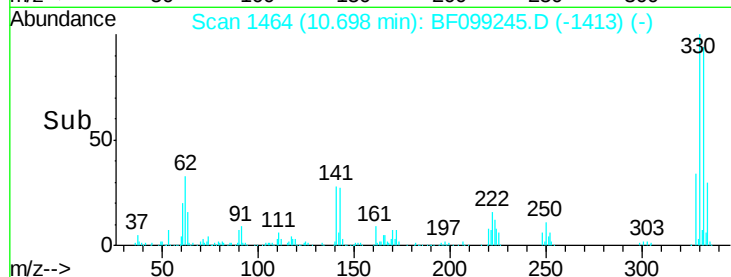
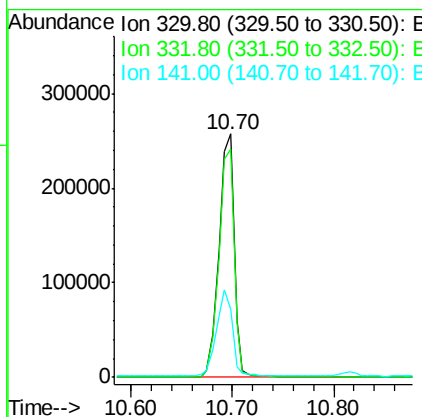
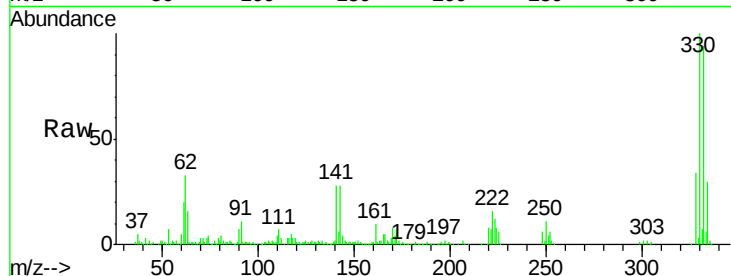




#41
 2,4,6-Tribromophenol
 Concen: 127.20 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.00 min
 Lab File: BF099245.D
 Acq: 8 Oct 2017 21:21

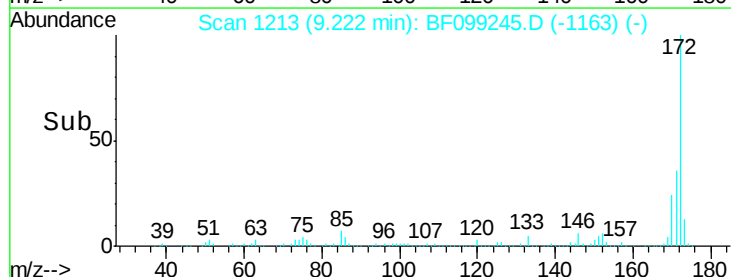
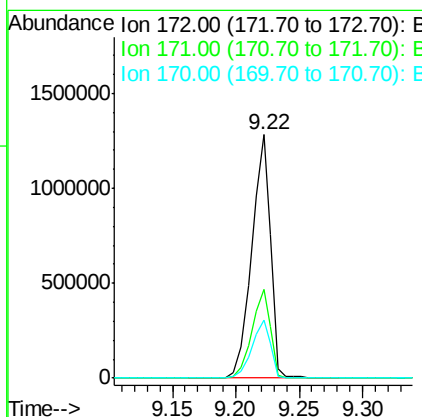
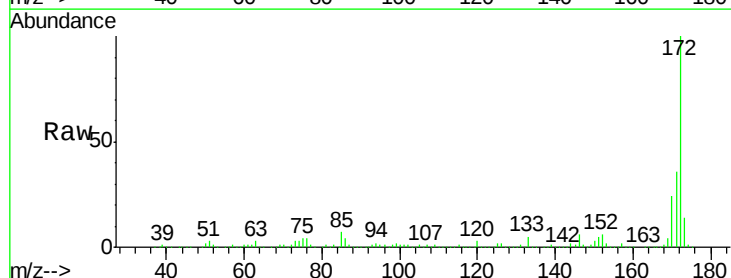
Instrument :
 BNA_F
 ClientSampleId :

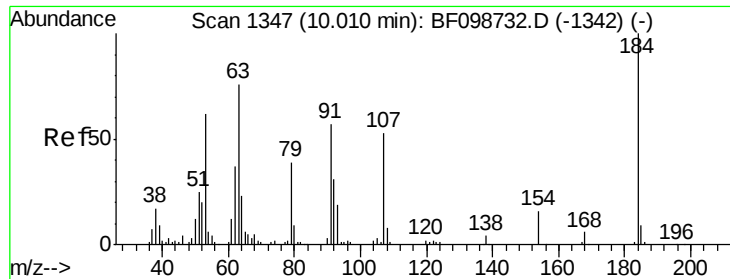
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	36.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 85.70 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099245.D
 Acq: 8 Oct 2017 21:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.0	19.6	29.4





#53

2,4-Dinitrophenol

Concen: 6.06 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.08 min

Lab File: BF099245.D

Acq: 8 Oct 2017 21:21

Instrument :

BNA_F

ClientSampled :

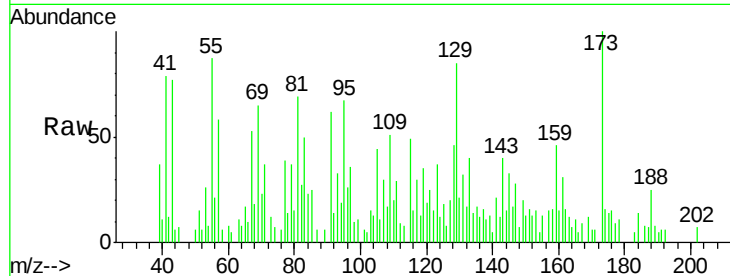
Tot Ion:184 Resp: 551

Ion Ratio Lower Upper

184 100

63 77.5 54.2 81.2

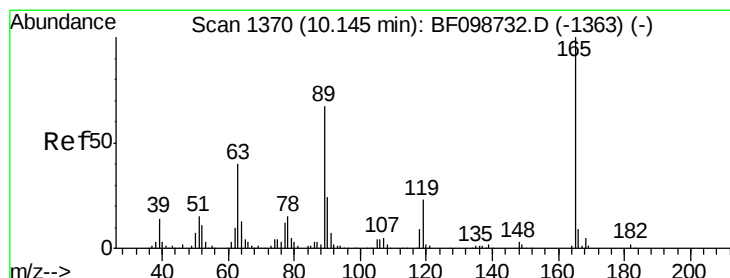
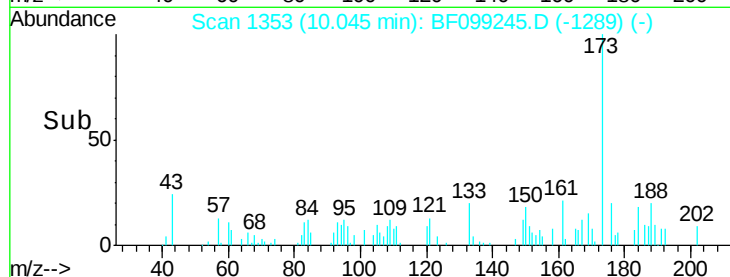
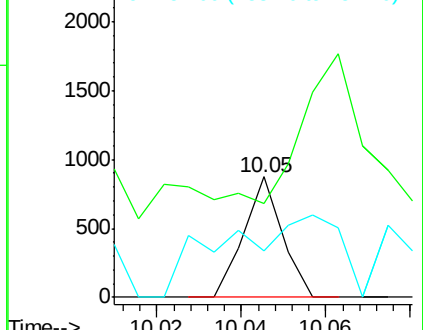
154 38.1 53.5 80.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#56

2,4-Dinitrotoluene

Concen: 6.59 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF099245.D

Acq: 8 Oct 2017 21:21

Tgt Ion:165 Resp: 36502

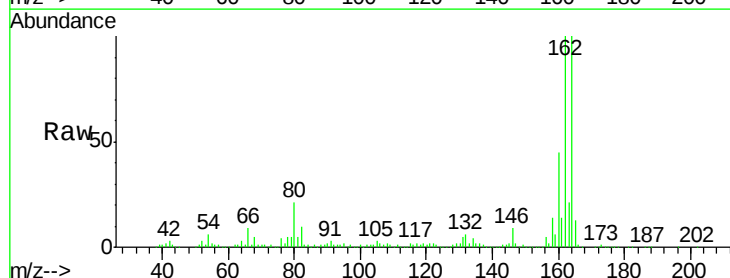
Ion Ratio Lower Upper

165 100

63 4.3 36.4 54.6#

89 4.1 57.8 86.6#

182 0.9 1.6 2.4#

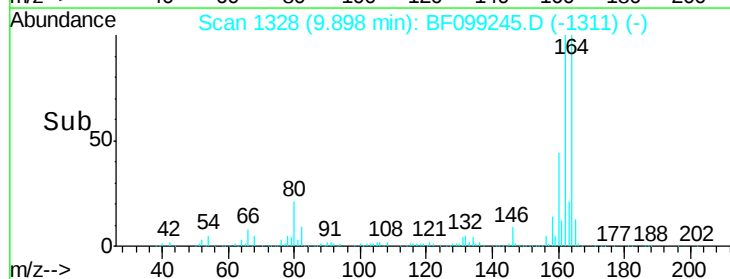
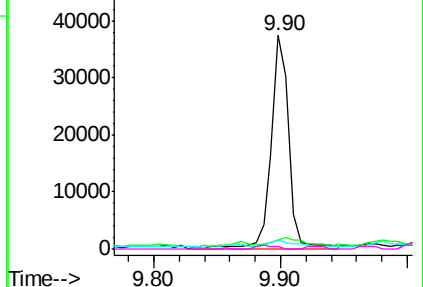


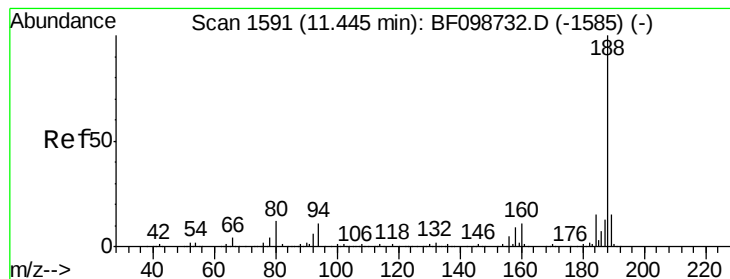
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099245.D

Acq: 8 Oct 2017 21:21

Instrument :

BNA_F

ClientSampleId :

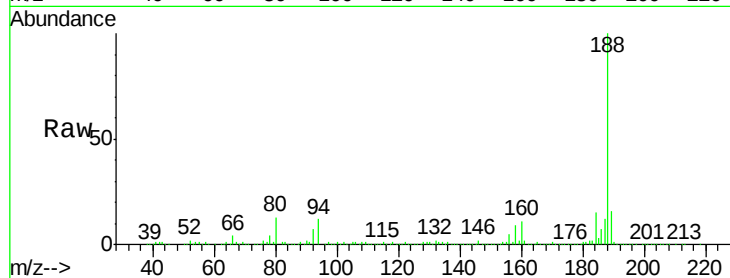
Tot Ion:188 Resp: 441490

Ion Ratio Lower Upper

188 100

94 11.9 8.5 12.7

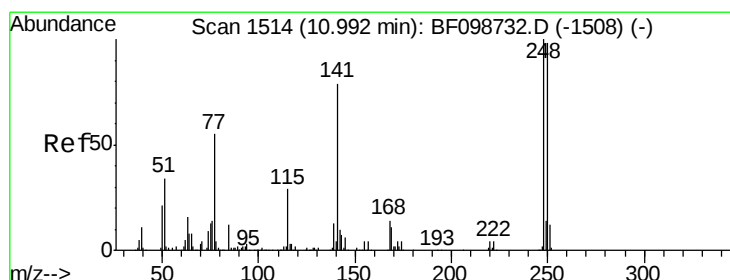
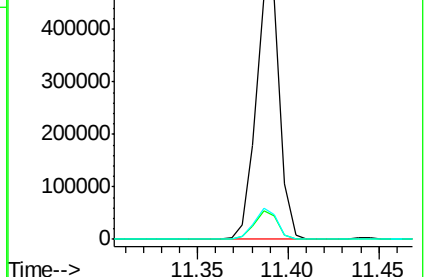
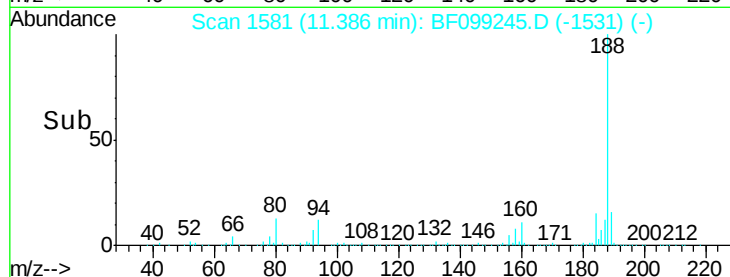
80 12.9 9.2 13.8



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: 4.12 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.24 min

Lab File: BF099245.D

Acq: 8 Oct 2017 21:21

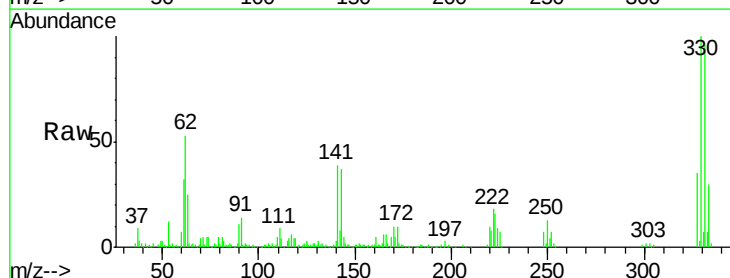
Tgt Ion:248 Resp: 17825

Ion Ratio Lower Upper

248 100

250 186.0 76.9 115.3#

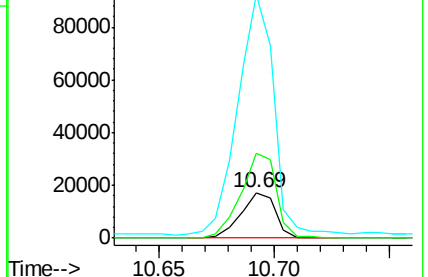
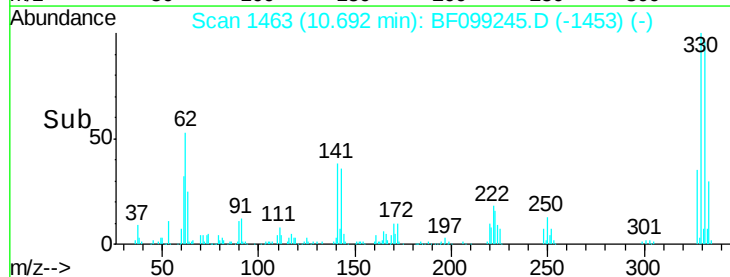
141 532.8 74.4 111.6#

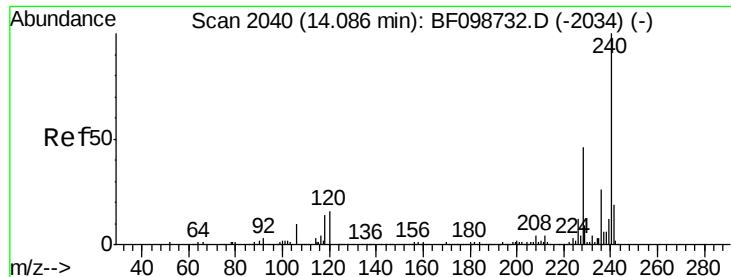


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099245.D

Acq: 8 Oct 2017 21:21

Instrument :

BNA_F

ClientSampleId :

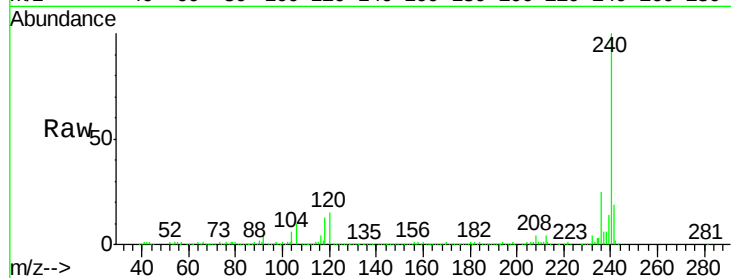
Tot Ion:240 Resp: 309505

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

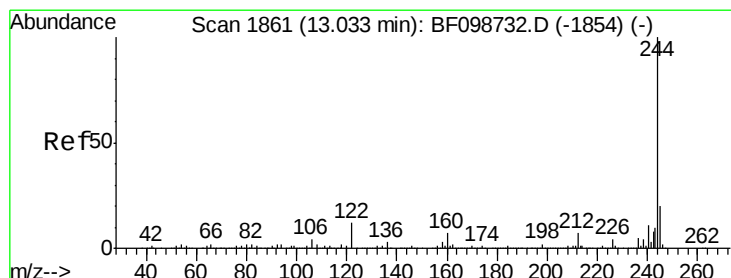
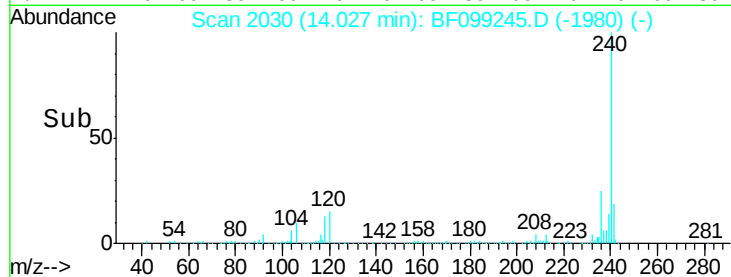
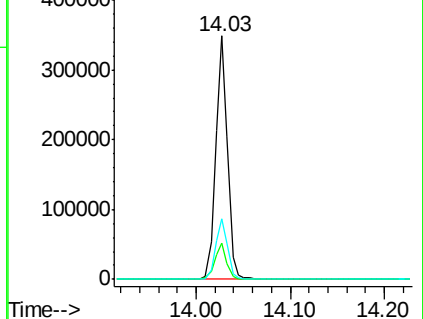
236 25.1 20.7 31.1



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: 77.91 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF099245.D

Acq: 8 Oct 2017 21:21

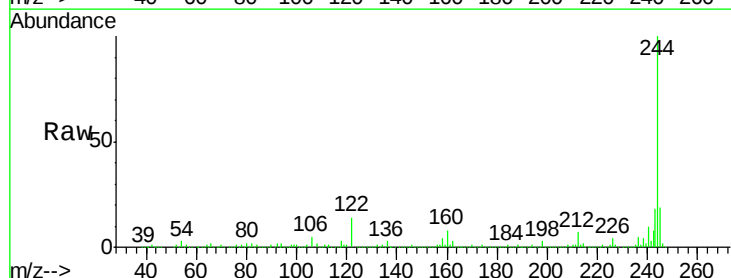
Tgt Ion:244 Resp: 1060298

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

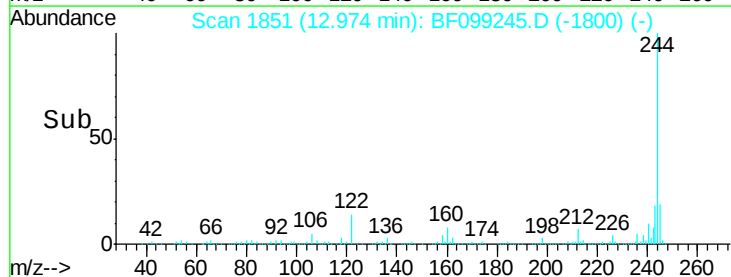
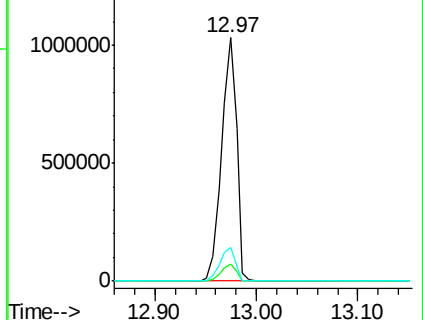
122 13.7 11.0 16.4

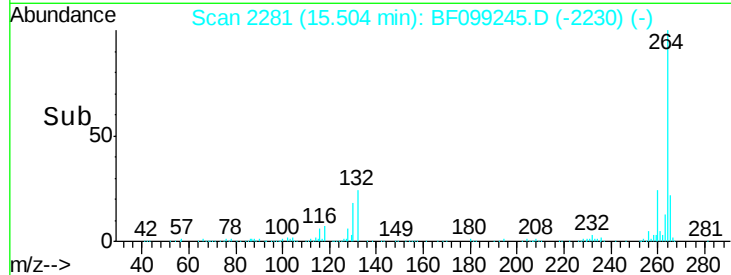
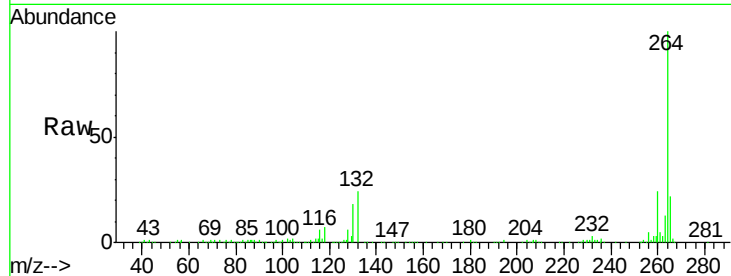
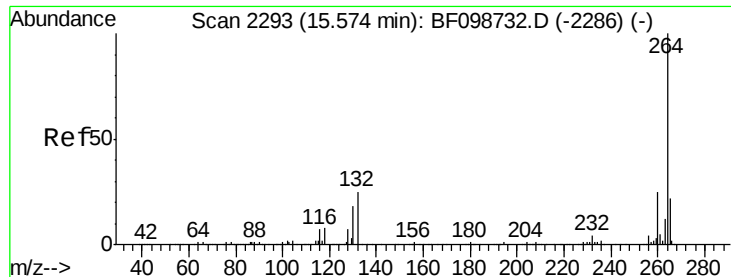


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.50 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: BF099245.D
 Acq: 8 Oct 2017 21:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.0	17.5	26.3

