

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099217.D
 Acq On : 8 Oct 2017 3:23
 Operator : SJ/JU
 Sample : I5530-10 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 06:05:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Oct 08 03:54:40 2017
 Response via : Initial Calibration

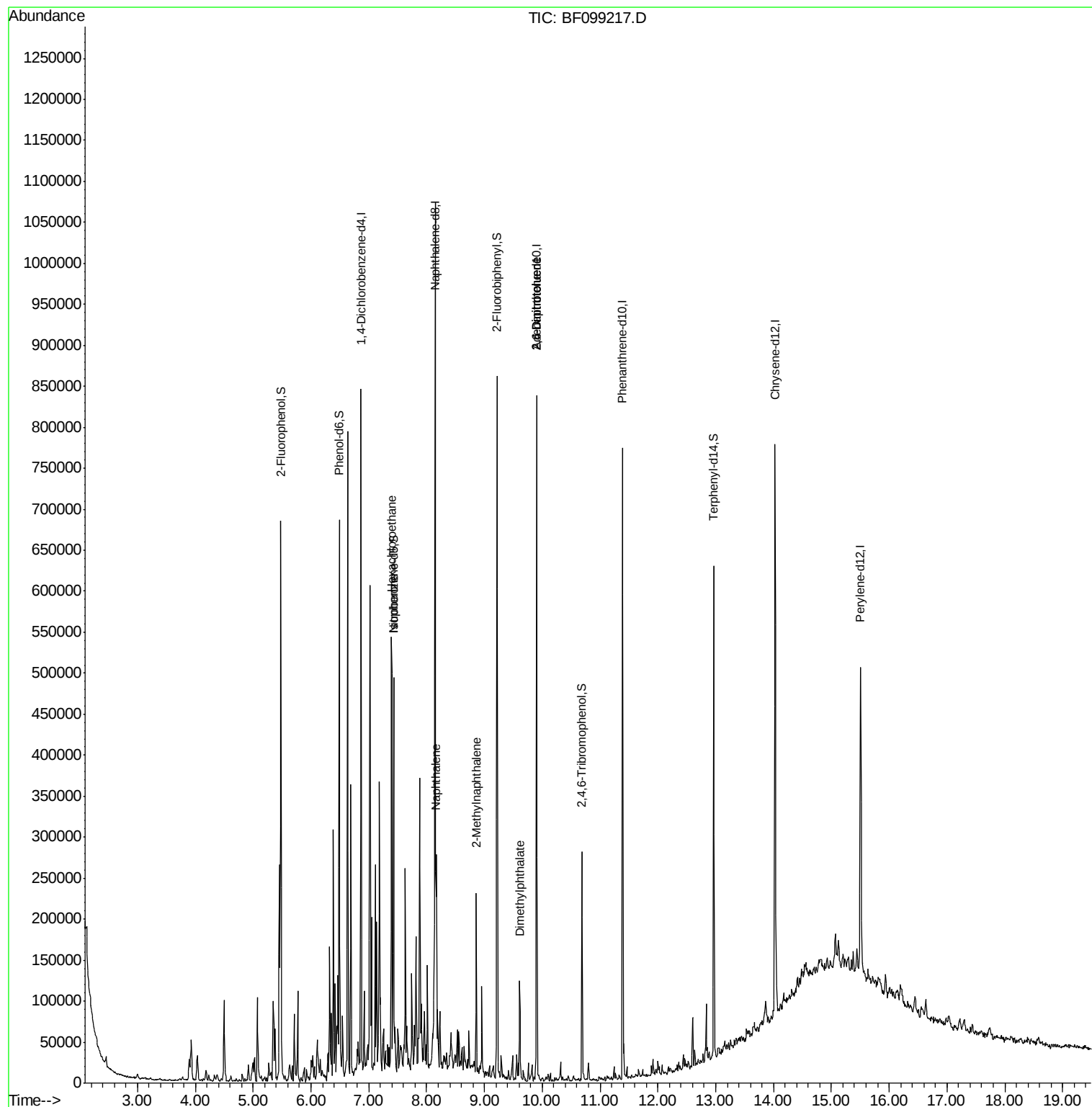
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	116957	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	445522	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	169356	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	253909	20.00	ng	0.00
75) Chrysene-d12	14.03	240	210372	20.00	ng	0.00
86) Perylene-d12	15.51	264	162428	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	198862	27.07	ng	0.00
7) Phenol-d6	6.49	99	236652	26.11	ng	-0.01
23) Nitrobenzene-d5	7.42	82	123013	17.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	28949	20.89	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	245120	24.16	ng	0.00
78) Terphenyl-d14	12.97	244	165442	17.88	ng	0.00
Target Compounds						
18) Hexachloroethane	7.39	117	30519	9.577	ng	# 1
25) Isophorone	7.42	82	121242	8.441	ng	# 65
31) Naphthalene	8.17	128	87444	4.179	ng	99
37) 2-Methylnaphthalene	8.86	142	56310	4.140	ng	98
49) Dimethylphthalate	9.61	163	43852	3.431	ng	100
50) 2,6-Dinitrotoluene	9.90	165	21981	7.899	ng	# 26
56) 2,4-Dinitrotoluene	9.90	165	21981	6.086	ng	# 24

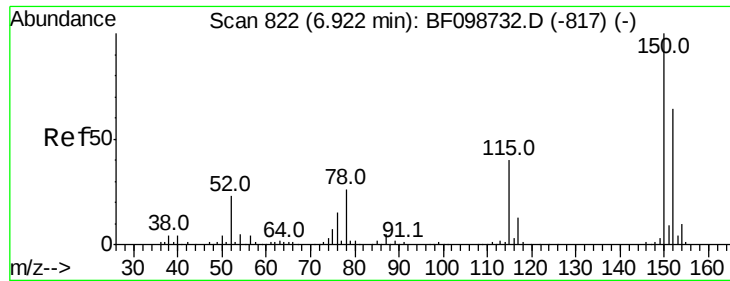
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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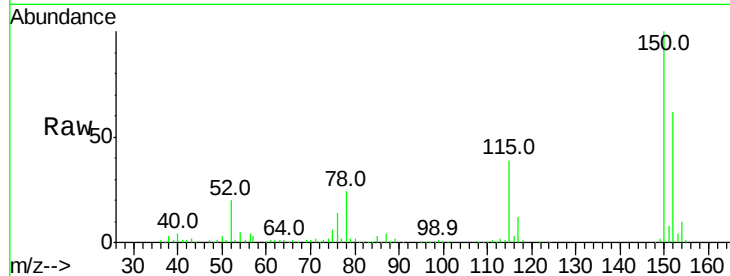


#1

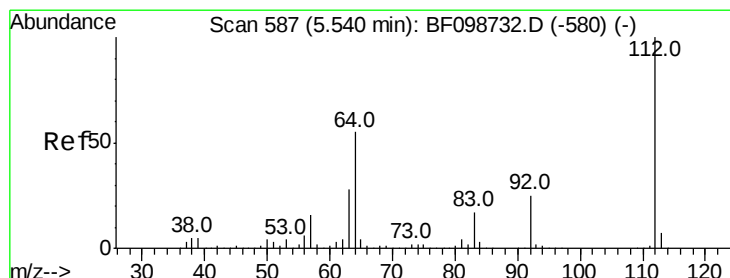
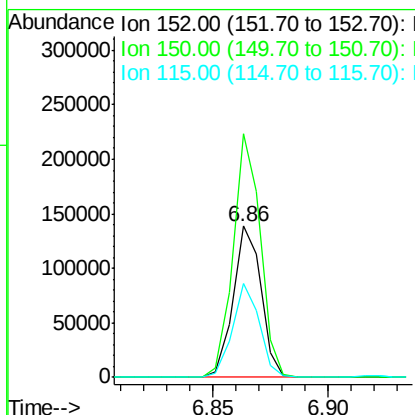
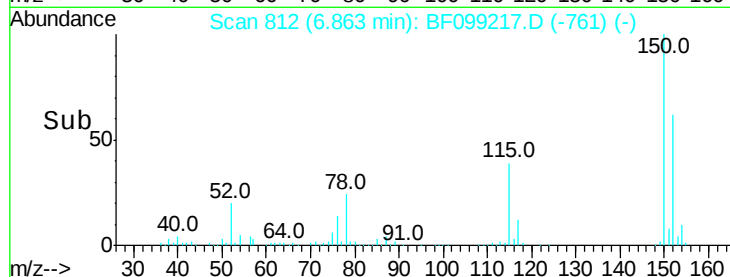
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF099217.D
Acq: 8 Oct 2017 3:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 116957
Ion Ratio Lower Upper
152 100
150 160.9 124.6 186.8
115 62.4 50.1 75.1



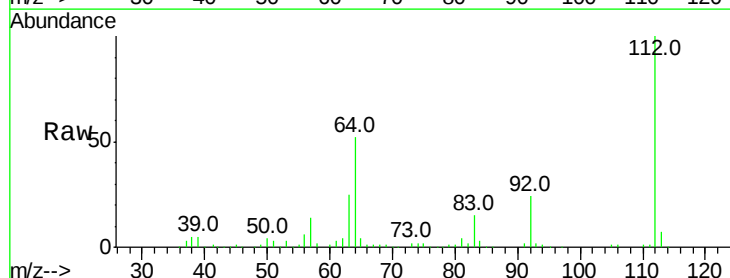
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



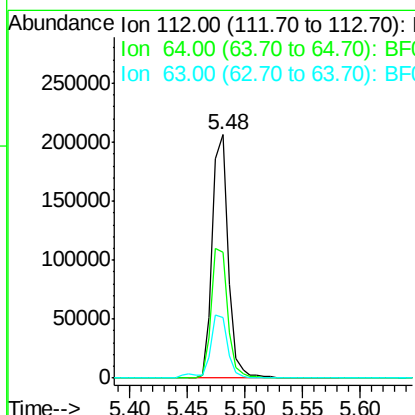
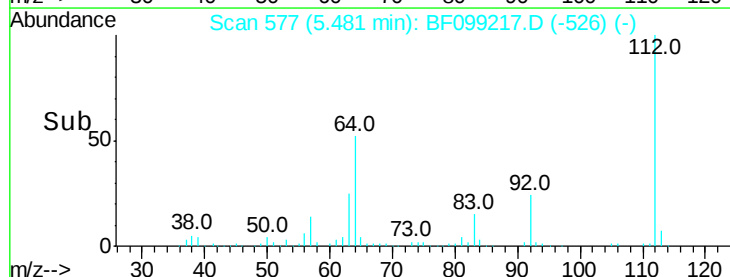
#5

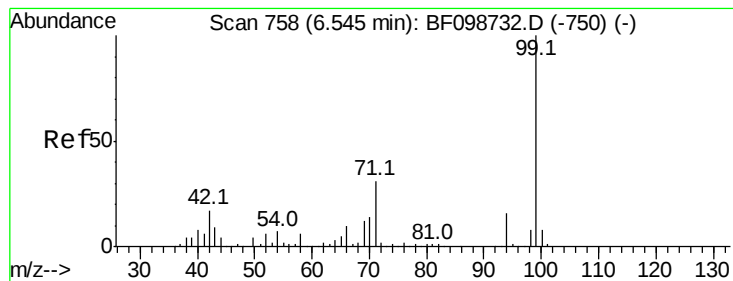
2-Fluorophenol
Concen: 27.067 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF099217.D
Acq: 8 Oct 2017 3:23

Tgt Ion:112 Resp: 198862
Ion Ratio Lower Upper
112 100
64 51.8 47.9 71.9
63 24.9 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: 26.111 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099217.D

Acq: 8 Oct 2017 3:23

Instrument :

BNA_F

ClientSampleId :

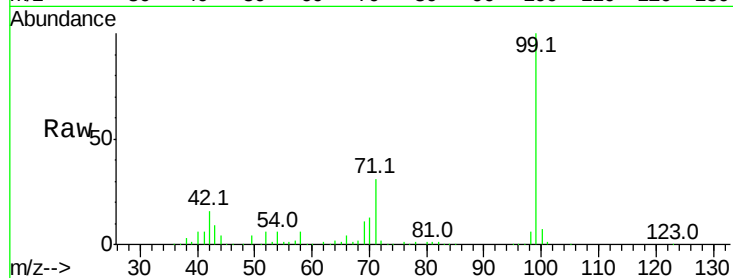
Tot Ion: 99 Resp: 236652

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

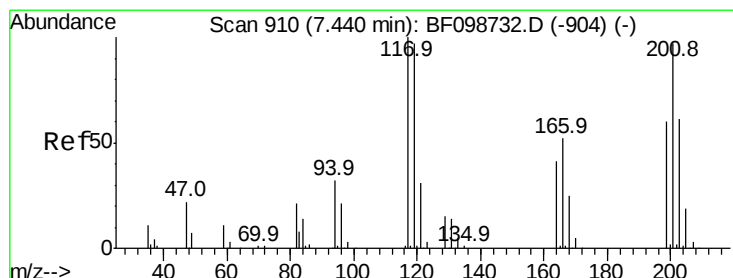
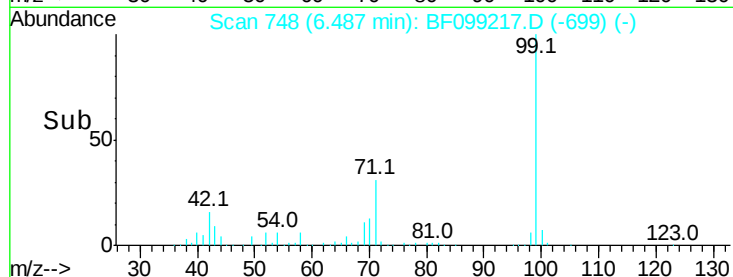
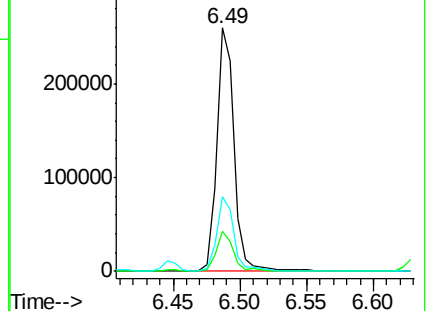
71 30.8 25.4 38.0



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



#18

Hexachloroethane

Concen: 9.577 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.02 min

Lab File: BF099217.D

Acq: 8 Oct 2017 3:23

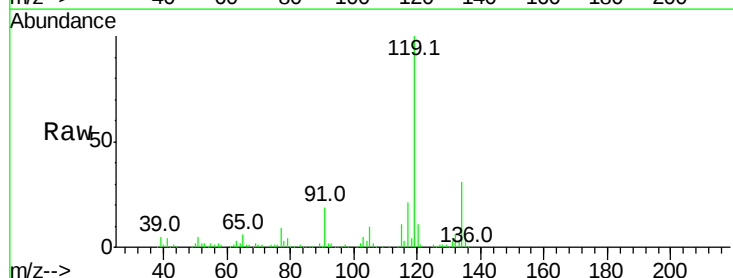
Tgt Ion: 117 Resp: 30519

Ion Ratio Lower Upper

117 100

119 484.4 75.8 113.8#

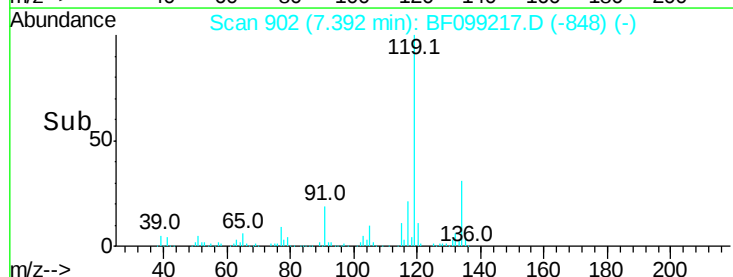
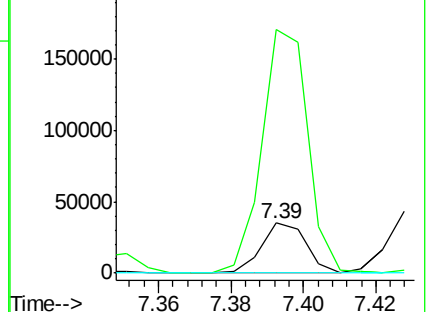
201 0.0 75.7 113.5#

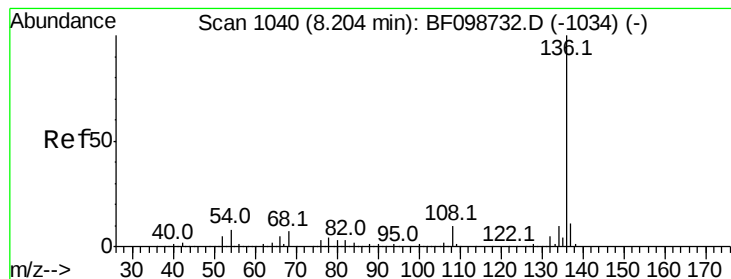


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF099217.D

Acq: 8 Oct 2017 3:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 445522

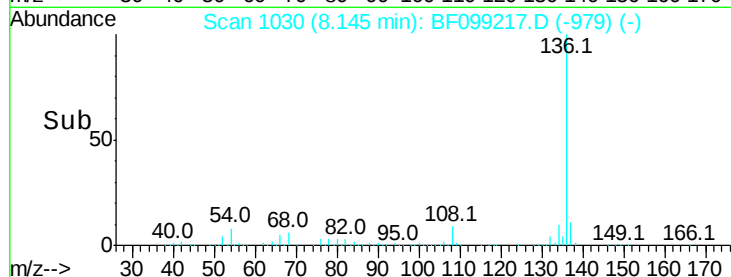
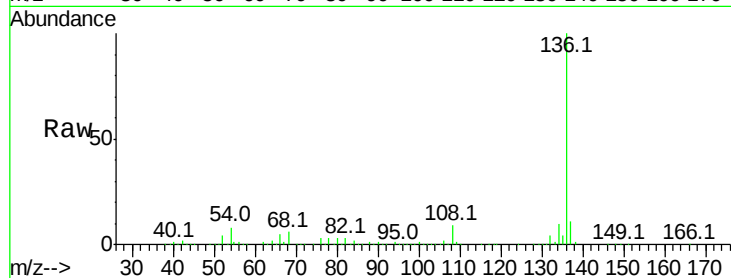
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.8 6.6 9.8

68 6.3 5.0 7.4

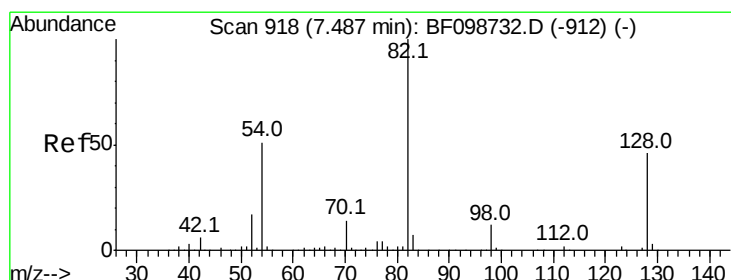
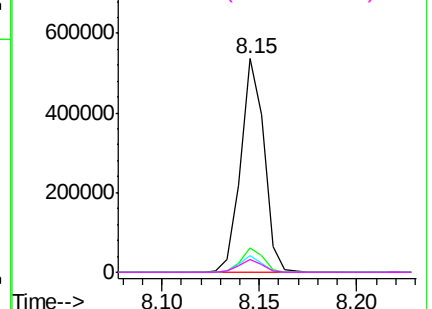


Abundance Ion 136.00 (135.70 to 136.70): E

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: 17.707 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF099217.D

Acq: 8 Oct 2017 3:23

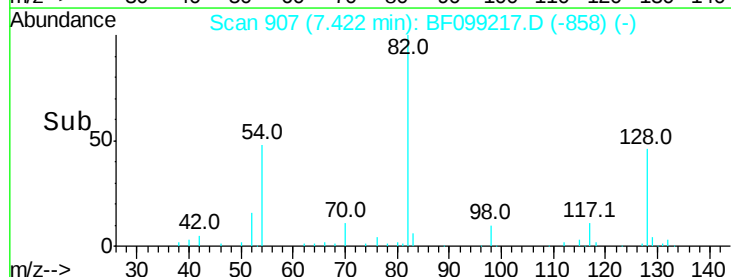
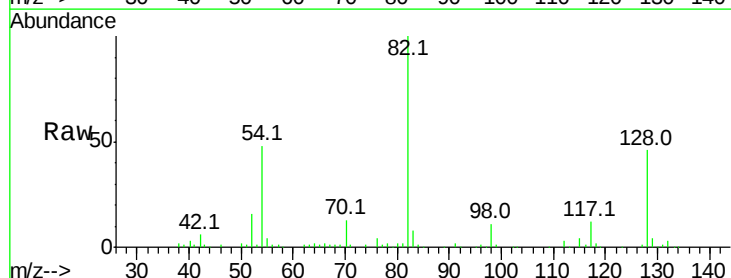
Tgt Ion: 82 Resp: 123013

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

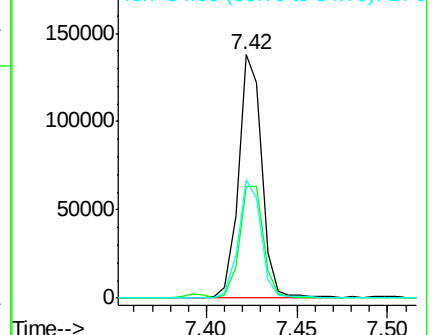
54 48.5 41.4 62.2

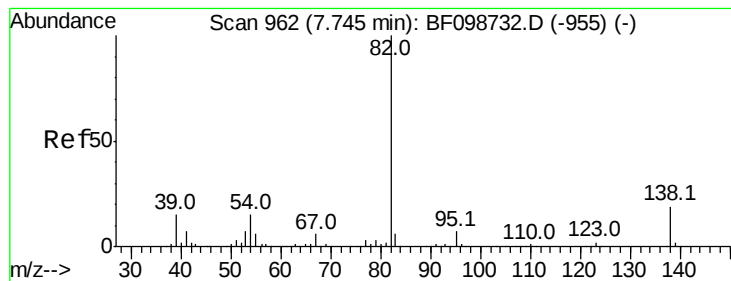


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 8.441 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF099217.D

Acq: 8 Oct 2017 3:23

Instrument :

BNA_F

ClientSampleId :

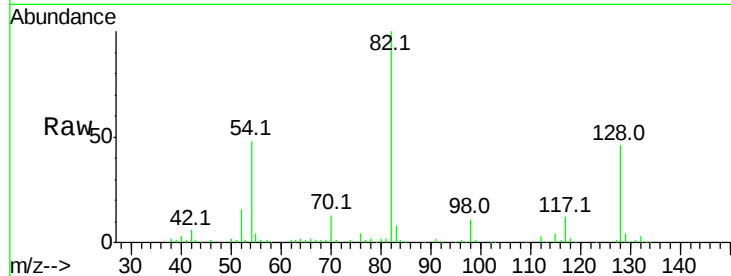
Tot Ion: 82 Resp: 121242

Ion Ratio Lower Upper

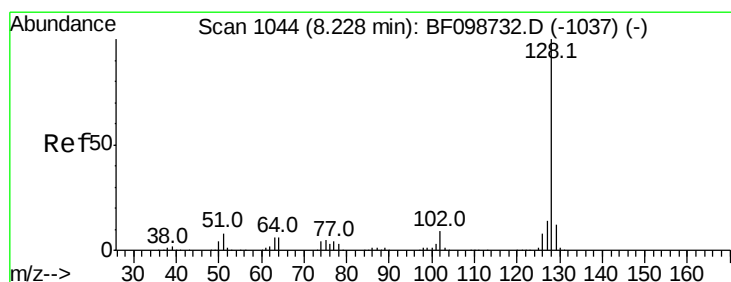
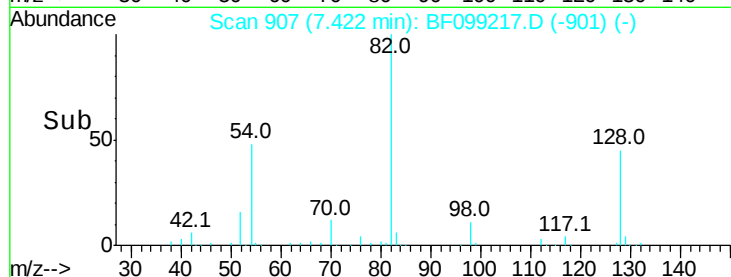
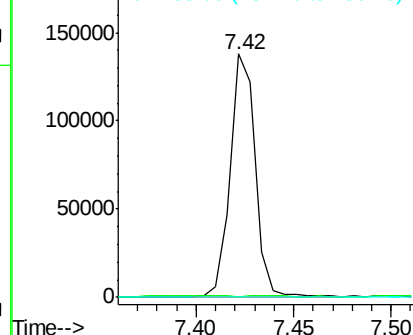
82 100

95 0.4 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



#31

Naphthalene

Concen: 4.179 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF099217.D

Acq: 8 Oct 2017 3:23

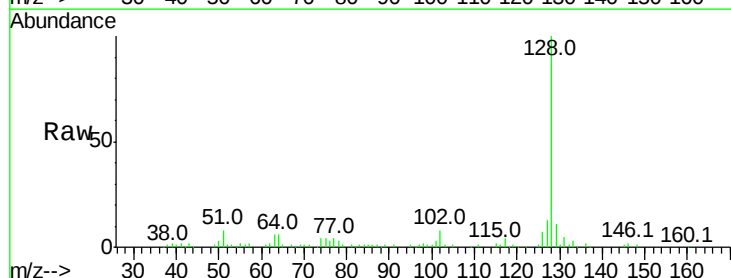
Tgt Ion:128 Resp: 87444

Ion Ratio Lower Upper

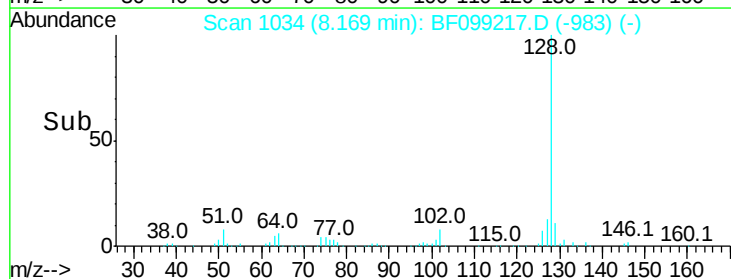
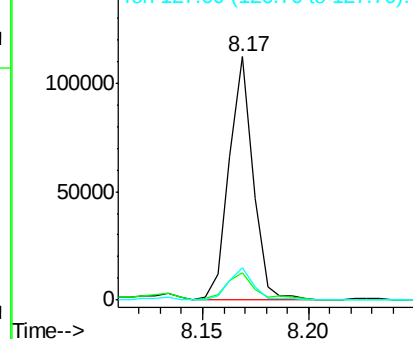
128 100

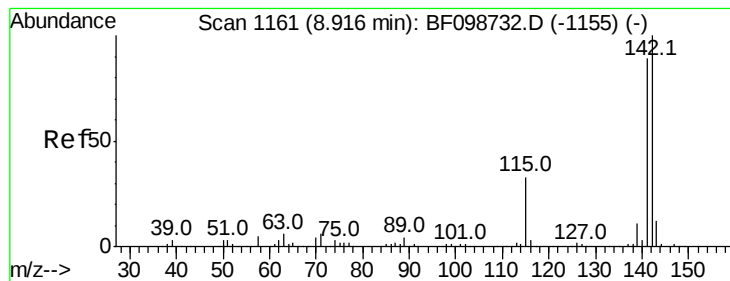
129 11.5 8.8 13.2

127 13.1 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

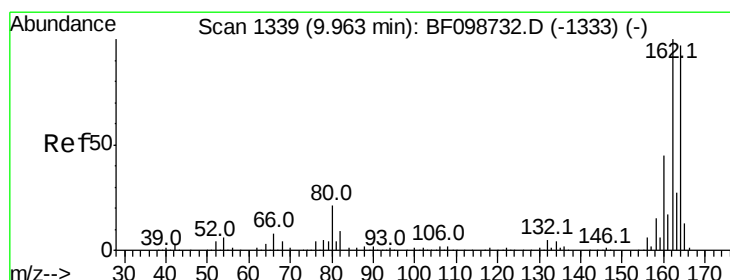
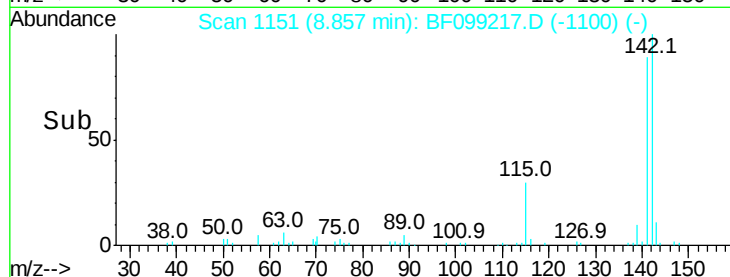
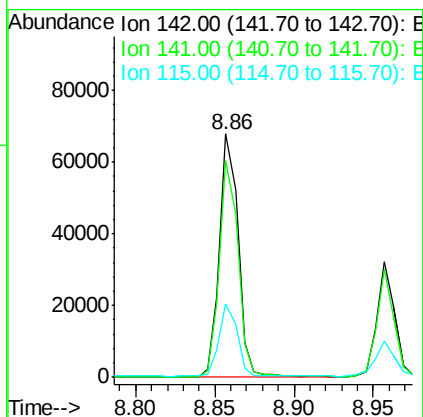
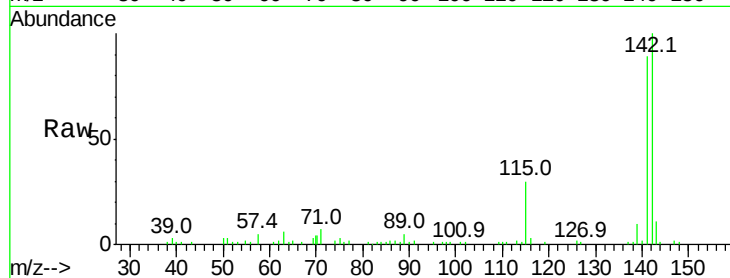




#37
 2-Methylnaphthalene
 Concen: 4.140 ng
 RT: 8.86 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: BF099217.D
 Acq: 8 Oct 2017 3:23

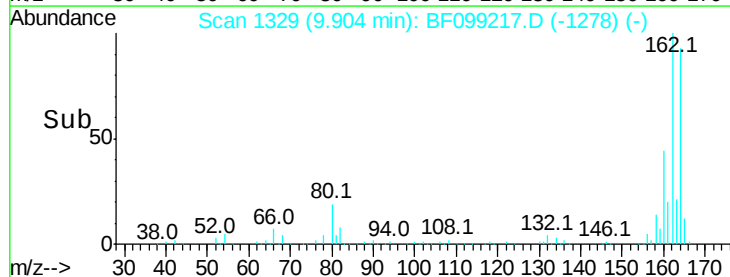
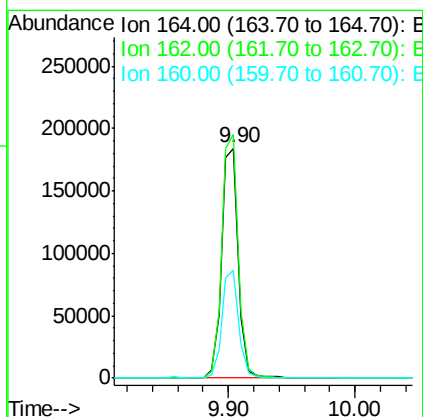
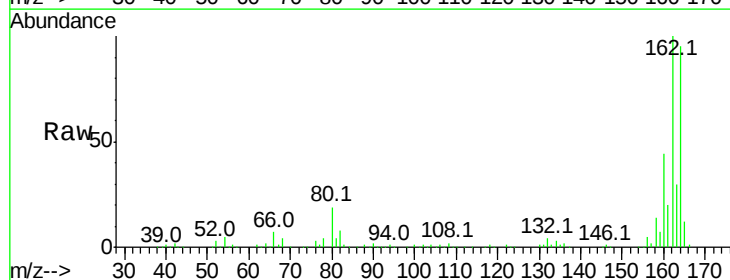
Instrument :
 BNA_F
 ClientSampleId :

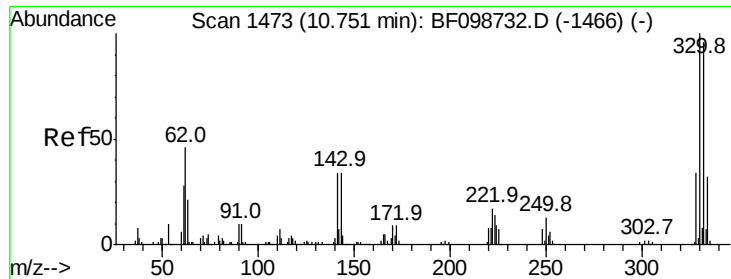
Tot Ion:142 Resp: 56310
 Ion Ratio Lower Upper
 142 100
 141 89.1 70.8 106.2
 115 30.2 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.00 min
 Lab File: BF099217.D
 Acq: 8 Oct 2017 3:23

Tgt Ion:164 Resp: 169356
 Ion Ratio Lower Upper
 164 100
 162 105.8 86.1 129.1
 160 47.0 38.3 57.5

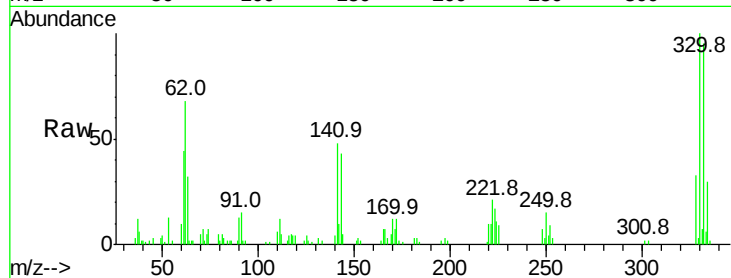




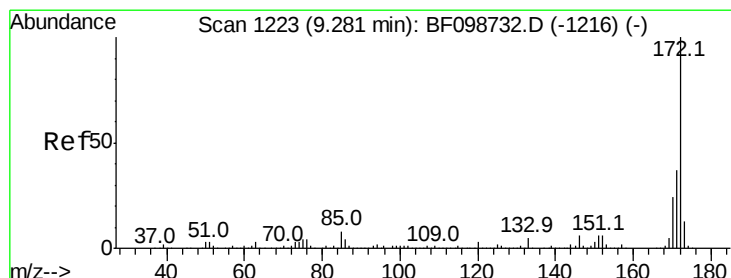
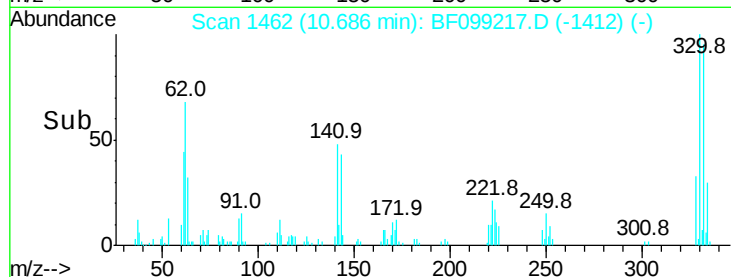
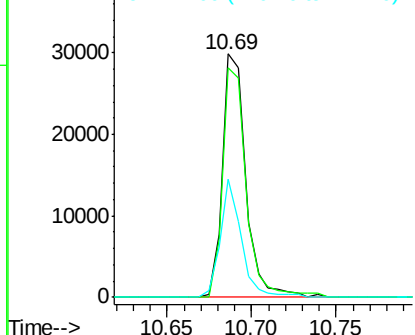
#41
 2,4,6-Tribromophenol
 Concen: 20.890 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099217.D
 Acq: 8 Oct 2017 3:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	44.0	29.9	44.9

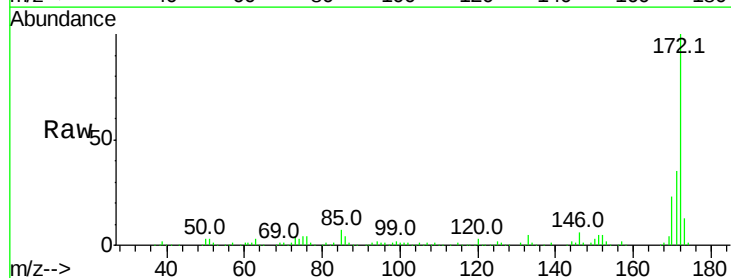


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

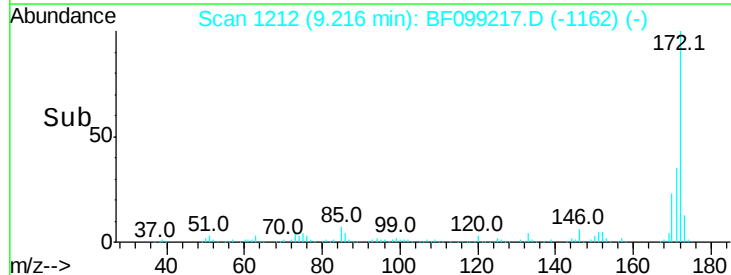
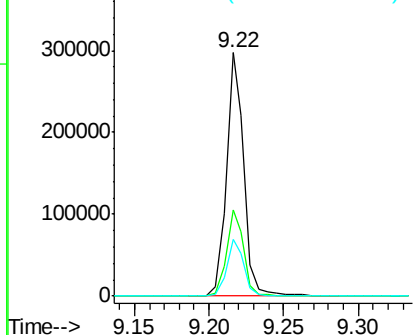


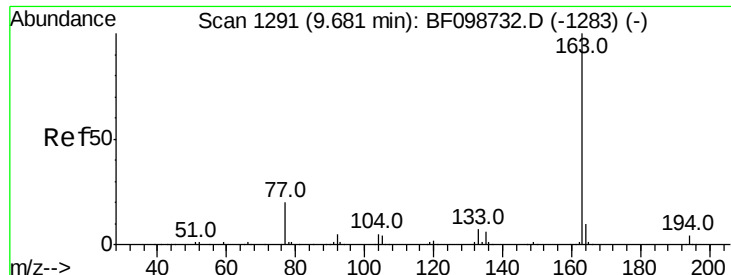
#44
 2-Fluorobiphenyl
 Concen: 24.163 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099217.D
 Acq: 8 Oct 2017 3:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.3	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: 3.431 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF099217.D

Acq: 8 Oct 2017 3:23

Instrument :

BNA_F

ClientSampleId :

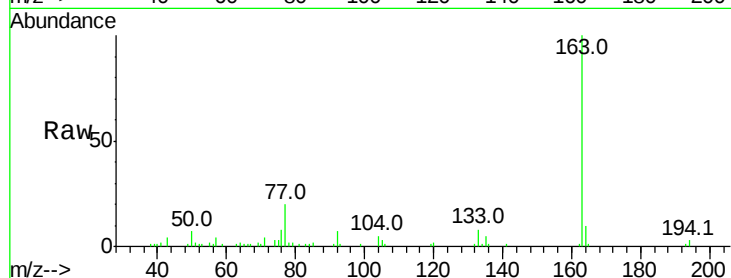
Tot Ion:163 Resp: 43852

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

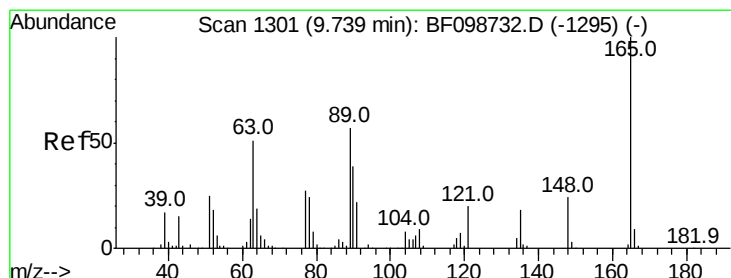
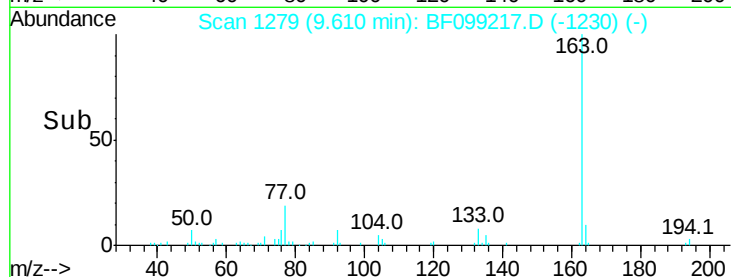
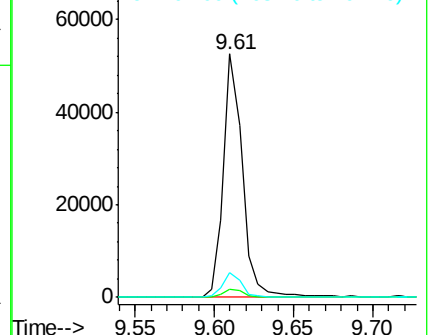
164 10.1 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 7.899 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.22 min

Lab File: BF099217.D

Acq: 8 Oct 2017 3:23

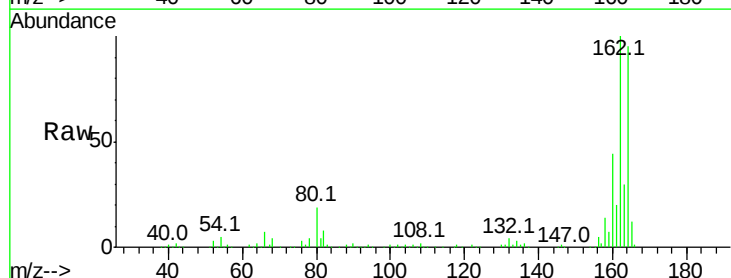
Tgt Ion:165 Resp: 21981

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

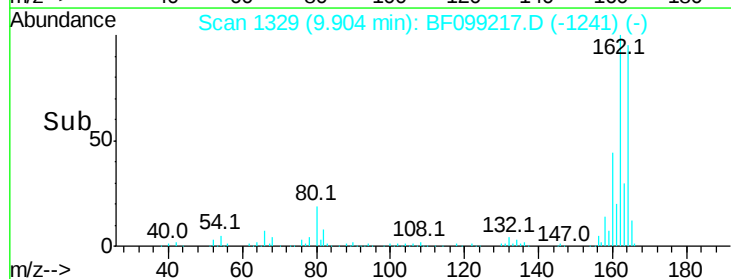
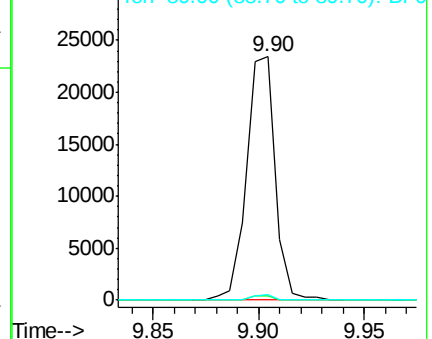
89 2.1 44.0 66.0#

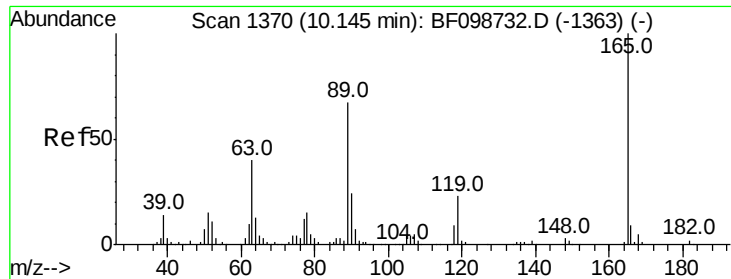


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

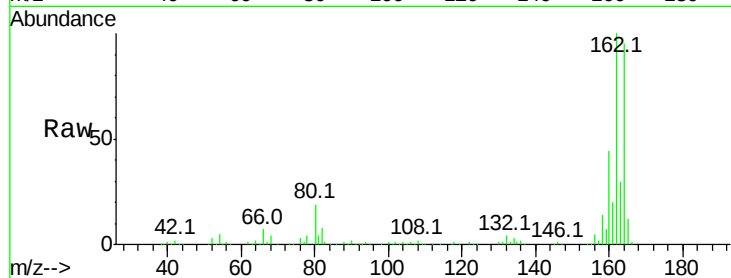




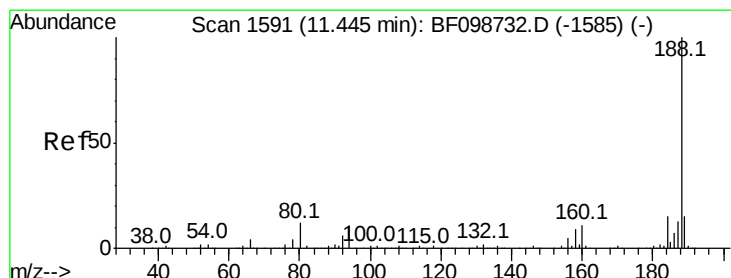
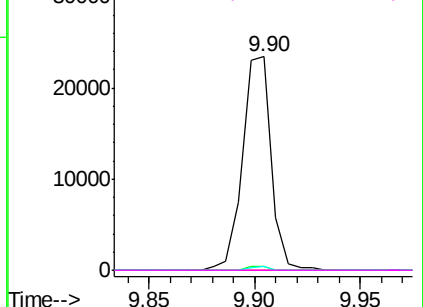
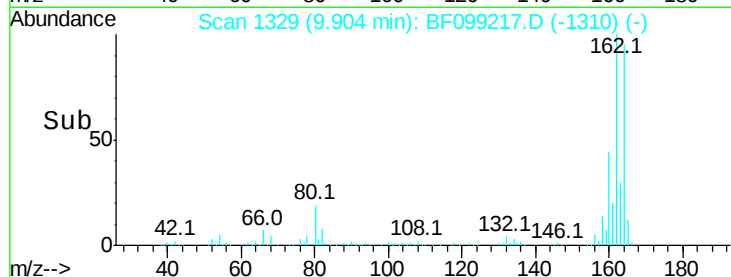
#56
 2,4-Dinitrotoluene
 Concen: 6.086 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.19 min
 Lab File: BF099217.D
 Acq: 8 Oct 2017 3:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 21981
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.4 54.6#
 89 2.1 57.8 86.6#
 182 0.0 1.6 2.4#

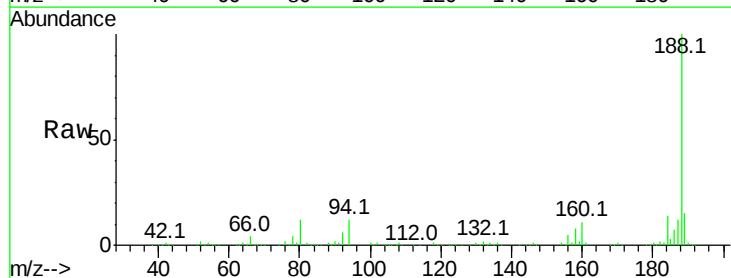


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

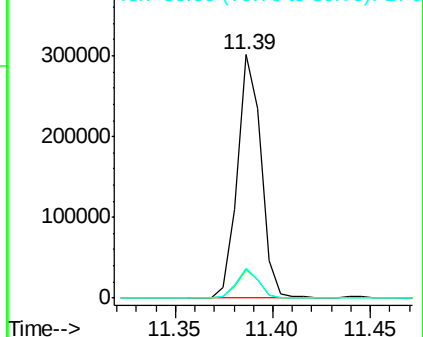
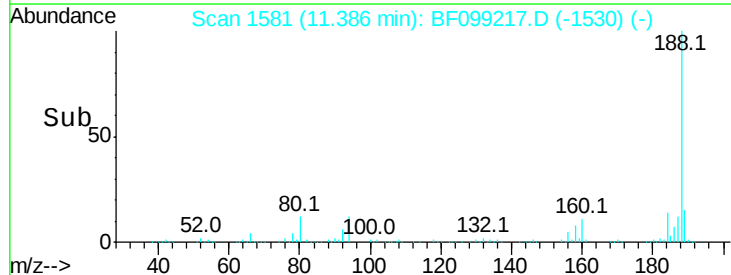


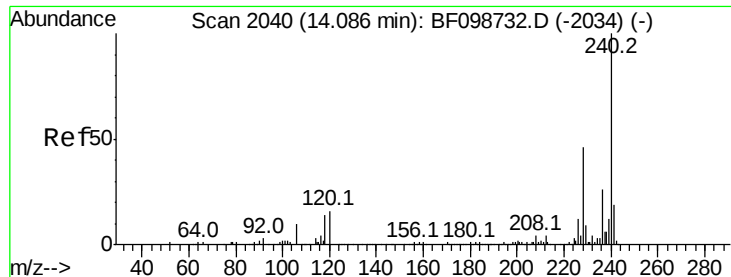
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF099217.D
 Acq: 8 Oct 2017 3:23

Tgt Ion:188 Resp: 253909
 Ion Ratio Lower Upper
 188 100
 94 11.8 8.5 12.7
 80 12.3 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF099217.D

Acq: 8 Oct 2017 3:23

Instrument :

BNA_F

ClientSampleId :

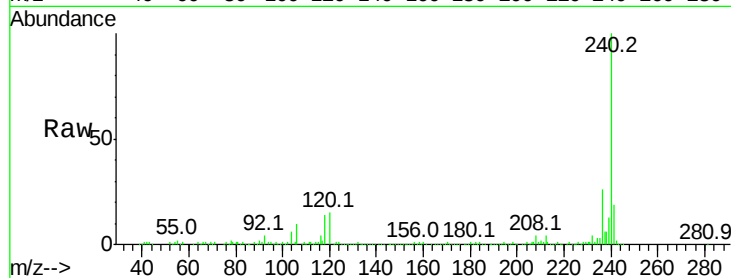
Tot Ion:240 Resp: 210372

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

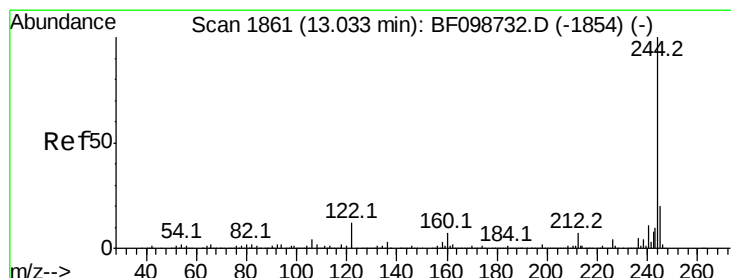
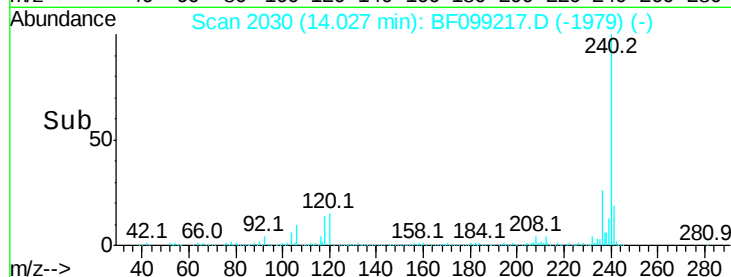
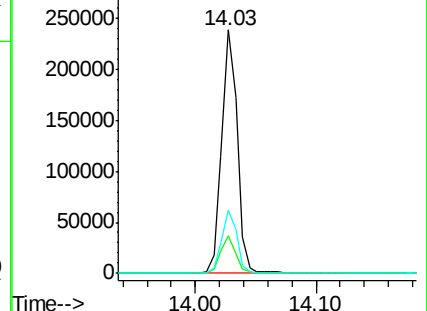
236 25.7 20.7 31.1



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: 17.885 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF099217.D

Acq: 8 Oct 2017 3:23

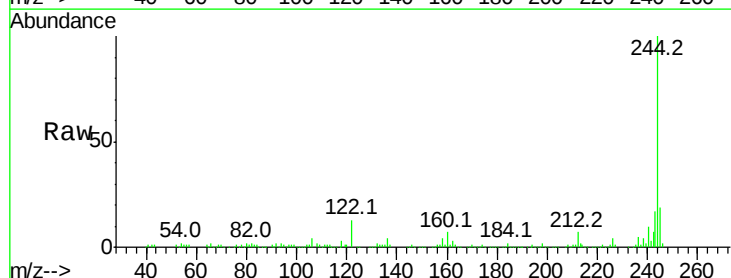
Tgt Ion:244 Resp: 165442

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

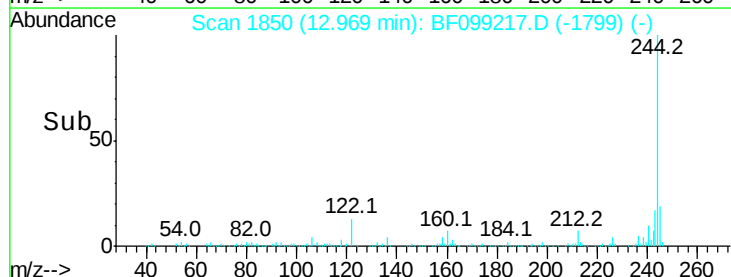
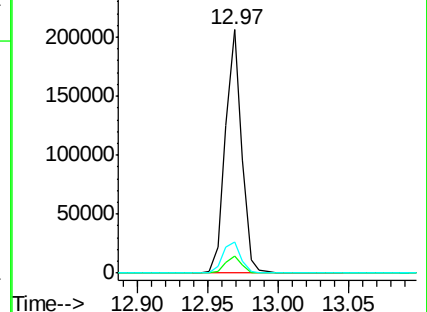
122 13.1 11.0 16.4

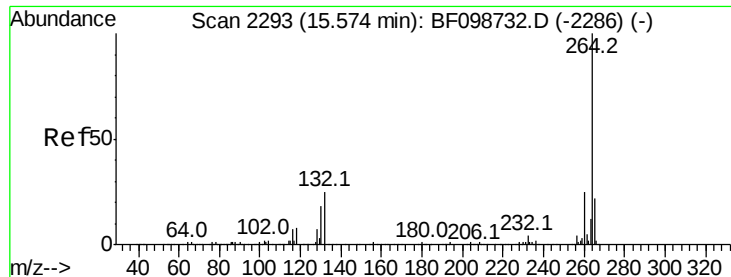


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF099217.D
Acq: 8 Oct 2017 3:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	20.3	17.5	26.3

