

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080217\
 Data File : BM011100.D
 Acq On : 02 Aug 2017 18:38
 Operator : SJ/JU
 Sample : I4540-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-12020

Quant Time: Aug 03 04:08:14 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 17:29:06 2017
 Response via : Initial Calibration

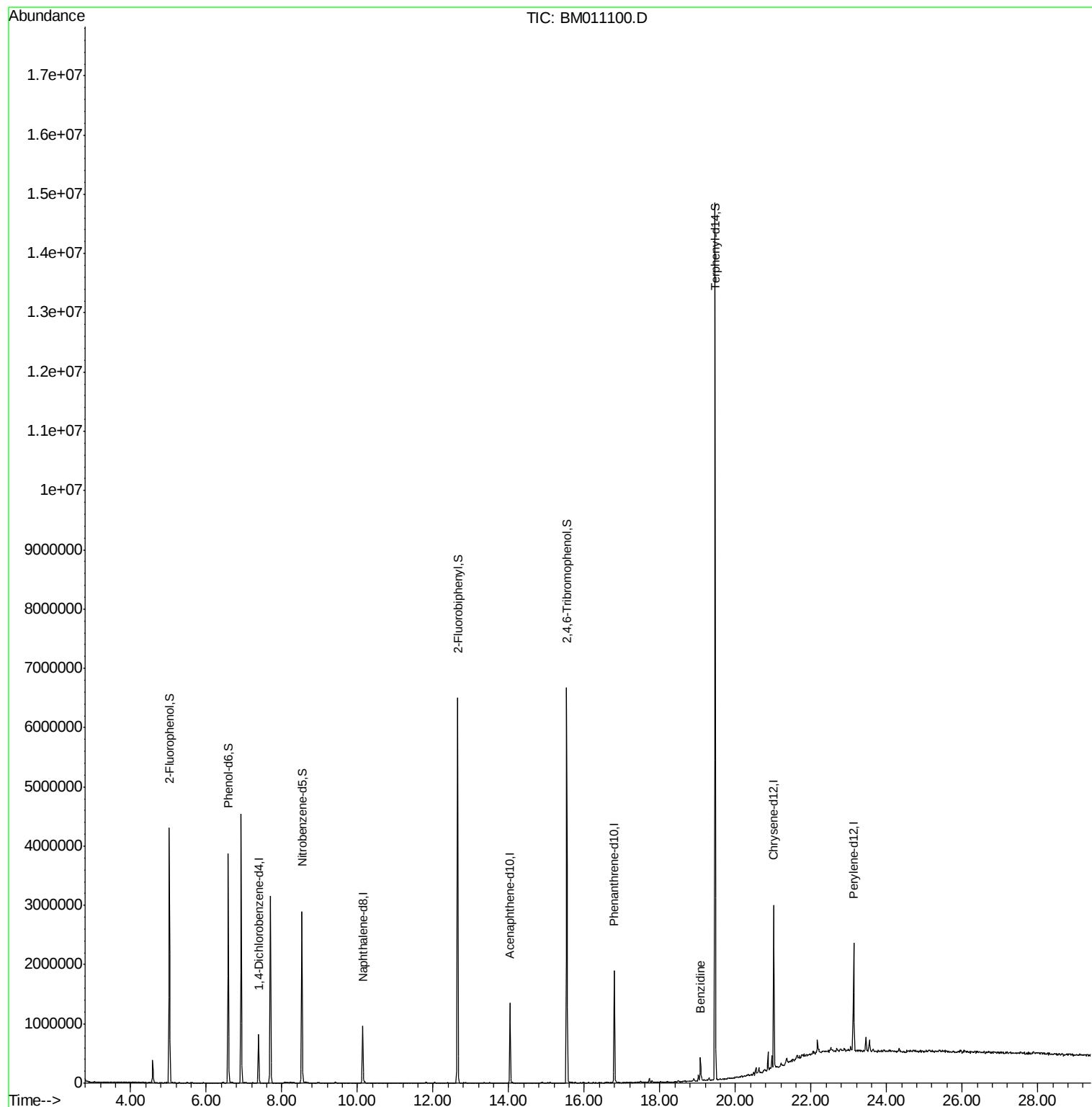
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	152576	20.00	ng	-0.01
21) Naphthalene-d8	10.14	136	556855	20.00	ng	-0.01
38) Acenaphthene-d10	14.04	164	383707	20.00	ng	-0.01
63) Phenanthrene-d10	16.80	188	985413	20.00	ng	-0.01
75) Chrysene-d12	21.01	240	1216412	20.00	ng	-0.01
86) Perylene-d12	23.13	264	1244076	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	1158393	128.34	ng	0.00
7) Phenol-d6	6.58	99	1527903	119.14	ng	-0.01
23) Nitrobenzene-d5	8.53	82	1544069	104.07	ng	-0.01
41) 2,4,6-Tribromophenol	15.54	330	867900	141.12	ng	-0.01
44) 2-Fluorobiphenyl	12.65	172	2727483	89.15	ng	-0.01
78) Terphenyl-d14	19.46	244	5097049	83.00	ng	0.00
Target Compounds						
76) Benzidine	19.07	184	213531	7.338	ng	Qvalue 98

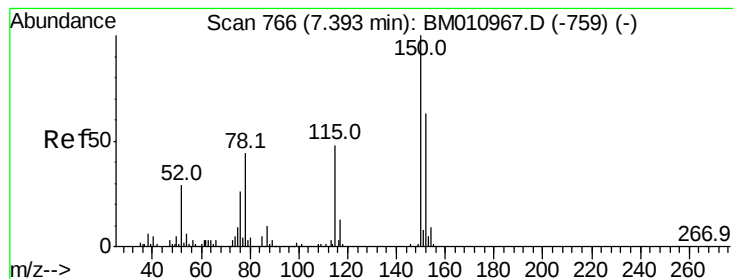
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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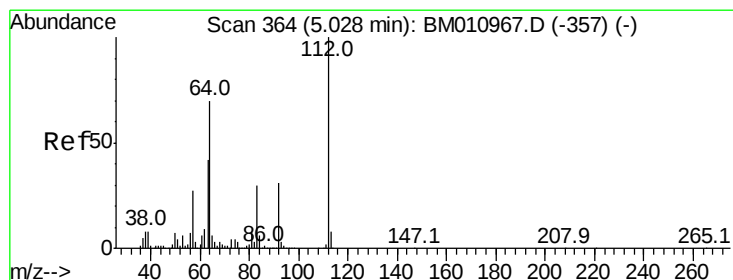
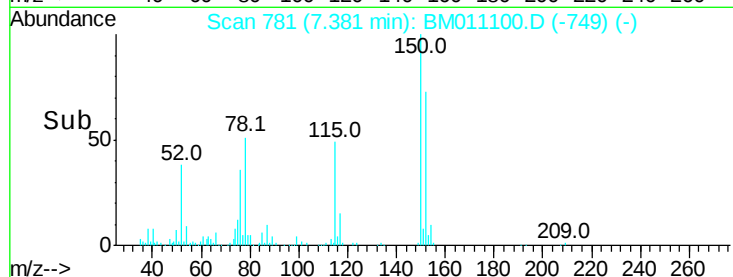
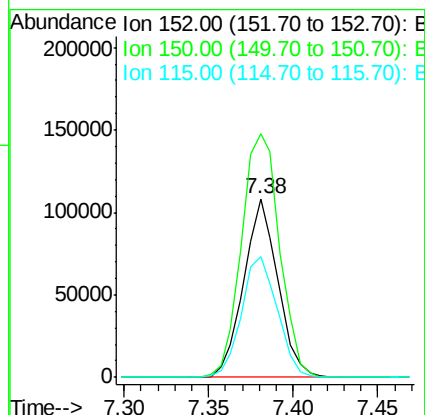
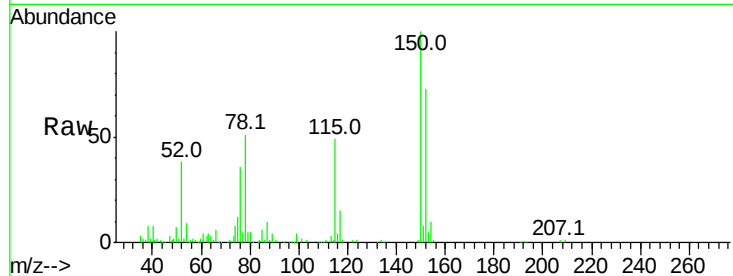


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.38 min Scan# 781
Delta R.T. -0.01 min
Lab File: BM011100.D
Acq: 02 Aug 2017 18:38

Instrument :
BNA_M
ClientSampled :
72-12020

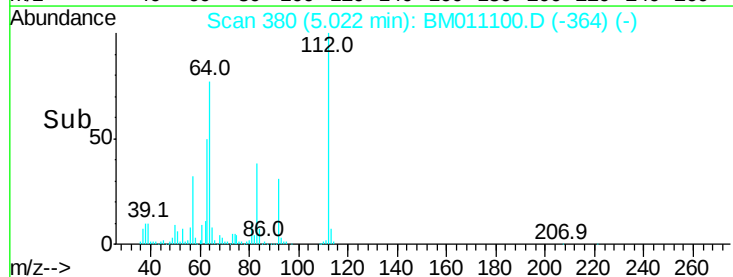
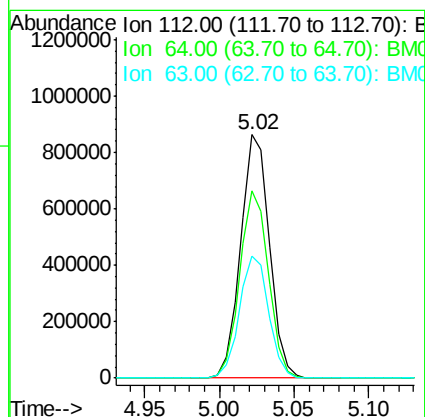
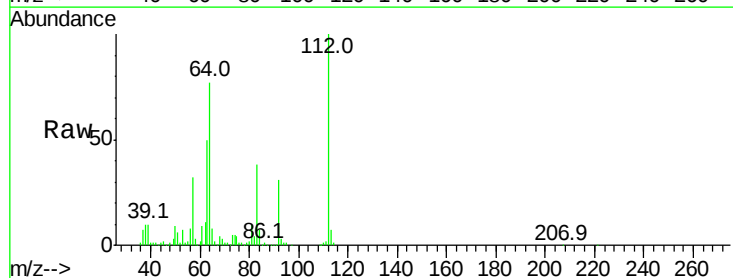
Tot Ion	Ratio	Lower	Upper
152	100		
150	136.3	119.5	179.3
115	67.4	43.0	64.4#



#5

2-Fluorophenol
Concen: 128.342 ng
RT: 5.02 min Scan# 380
Delta R.T. -0.01 min
Lab File: BM011100.D
Acq: 02 Aug 2017 18:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.2	38.6	57.8#
63	50.1	19.3	28.9#





#7

Phenol-d6

Concen: 119.144 ng

RT: 6.58 min Scan# 645

Delta R.T. -0.01 min

Lab File: BM011100.D

Acq: 02 Aug 2017 18:38

Instrument :

BNA_M

ClientSampleId :

72-12020

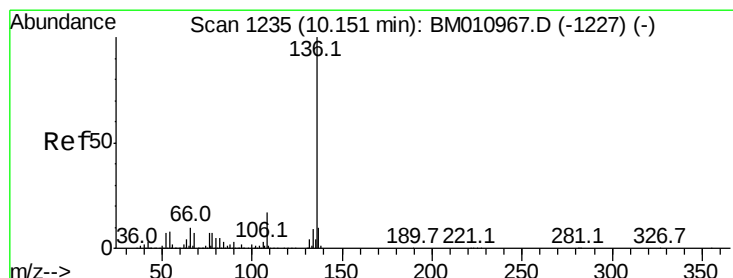
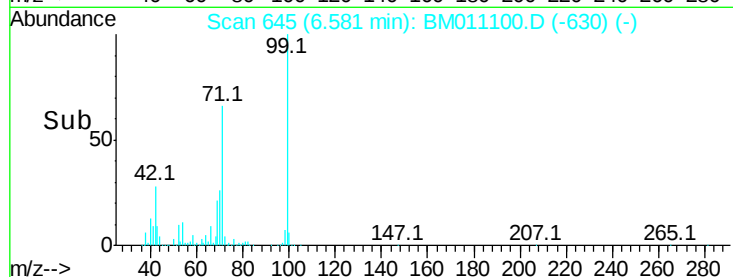
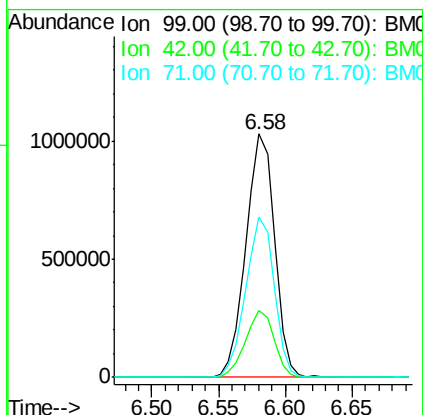
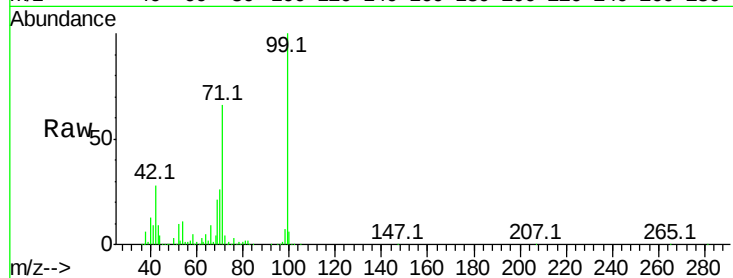
Tot Ion: 99 Resp: 1527903

Ion Ratio Lower Upper

99 100

42 27.6 11.0 16.4#

71 65.9 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.14 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BM011100.D

Acq: 02 Aug 2017 18:38

Tgt Ion: 136 Resp: 556855

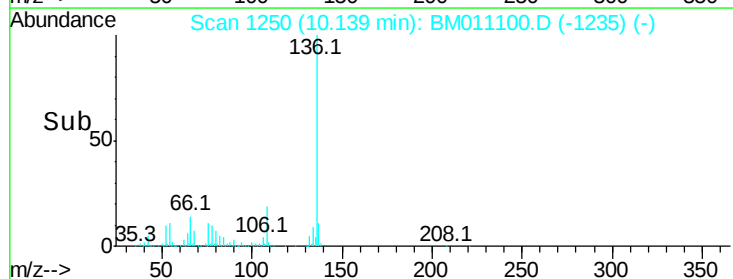
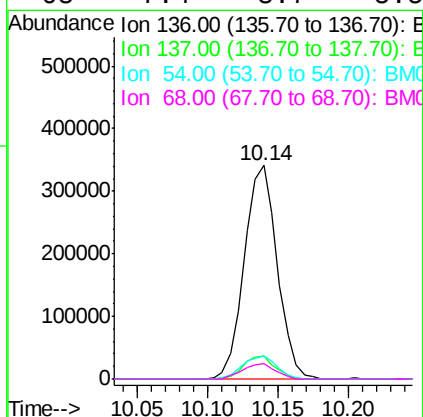
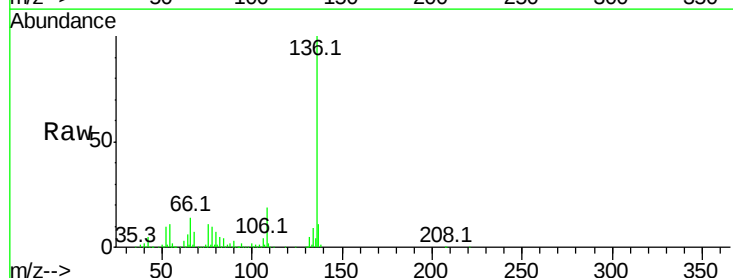
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 10.6 4.6 6.8#

68 7.4 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 104.069 ng

RT: 8.53 min Scan# 976

Delta R.T. -0.01 min

Lab File: BM011100.D

Acq: 02 Aug 2017 18:38

Instrument :

BNA_M

ClientSampleId :

72-12020

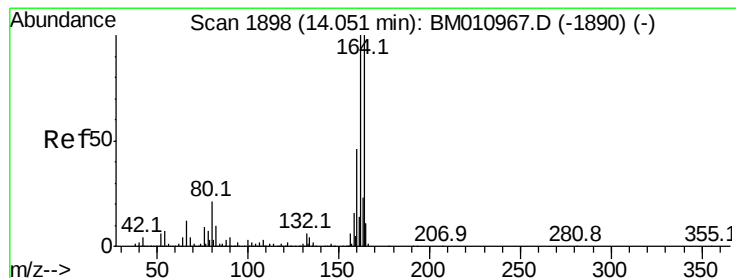
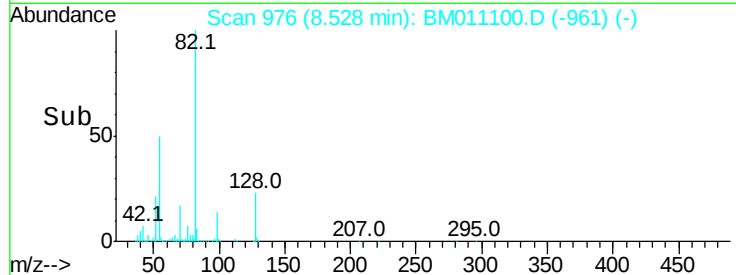
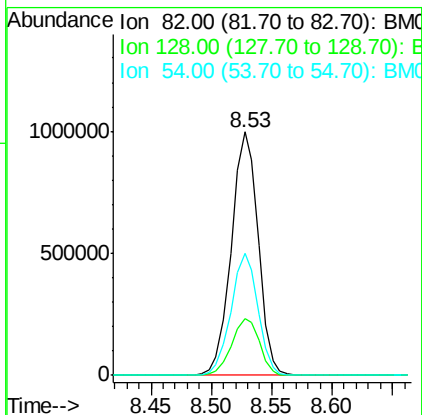
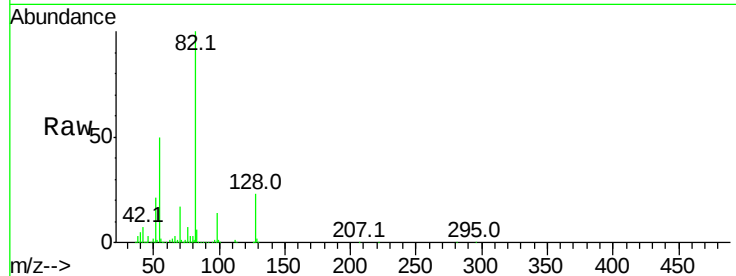
Tot Ion: 82 Resp: 1544069

Ion Ratio Lower Upper

82 100

128 23.2 32.8 49.2#

54 50.4 40.6 60.8



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.04 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BM011100.D

Acq: 02 Aug 2017 18:38

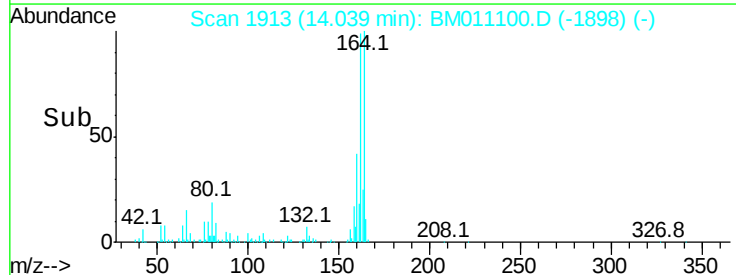
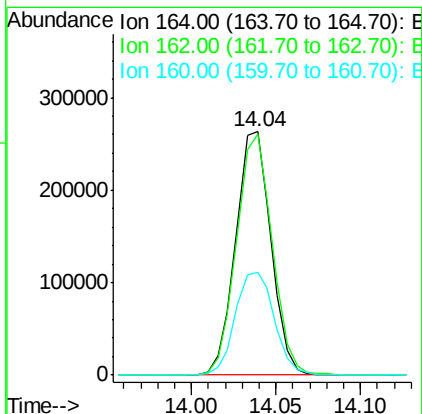
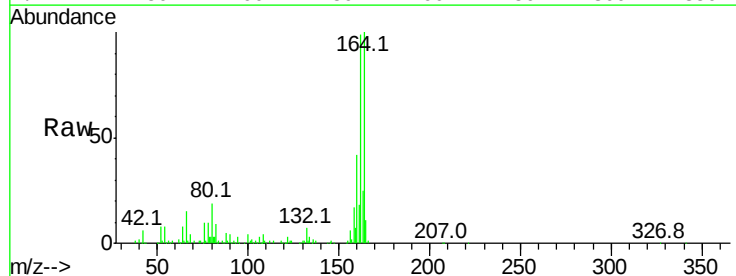
Tgt Ion:164 Resp: 383707

Ion Ratio Lower Upper

164 100

162 99.1 82.4 123.6

160 42.2 35.8 53.6

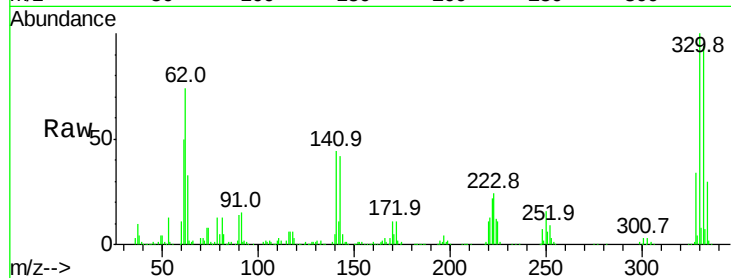




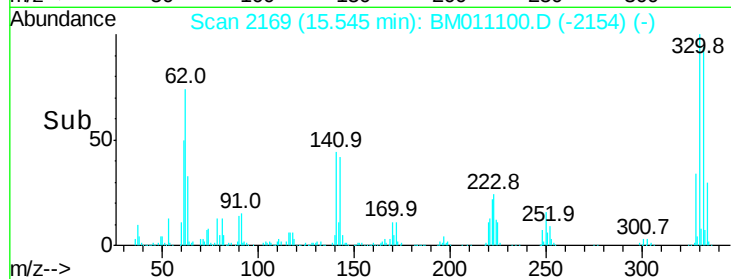
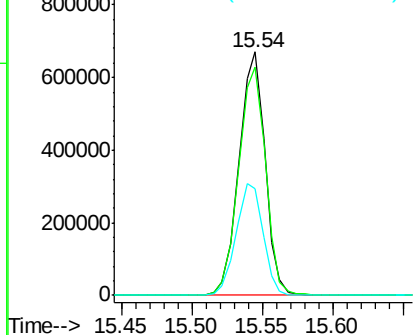
#41
 2,4,6-Tribromophenol
 Concen: 141.122 ng
 RT: 15.54 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BM011100.D
 Acq: 02 Aug 2017 18:38

Instrument :
 BNA_M
 ClientSampleId :
 72-12020

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	0.0	0.0#
141	47.3	0.0	0.0#

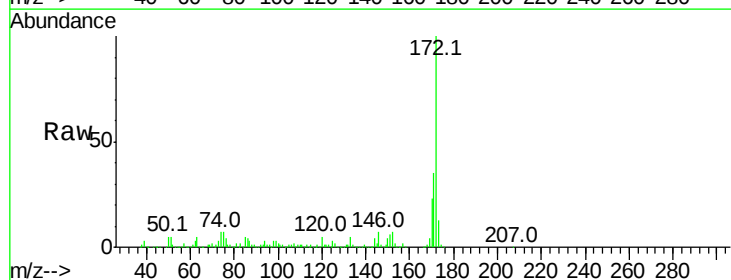


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

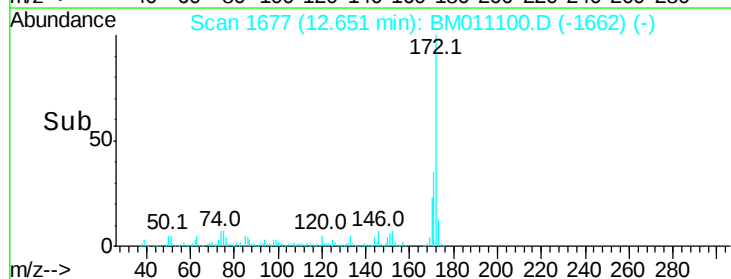
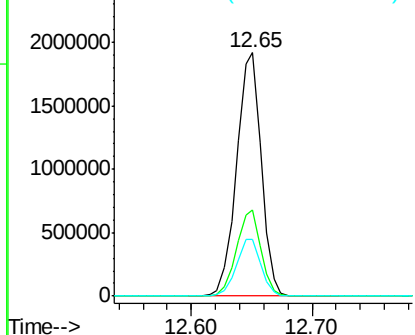


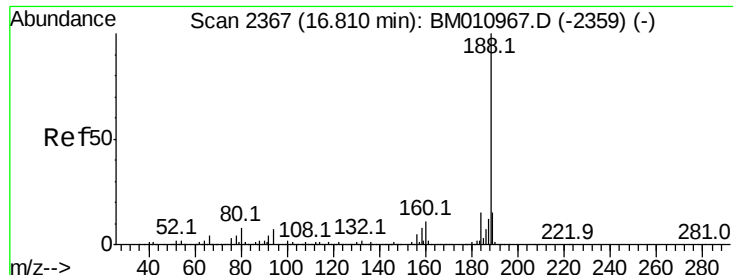
#44
 2-Fluorobiphenyl
 Concen: 89.147 ng
 RT: 12.65 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: BM011100.D
 Acq: 02 Aug 2017 18:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	23.1	18.8	28.2



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

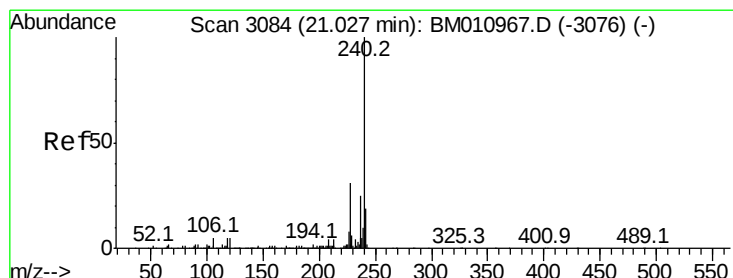
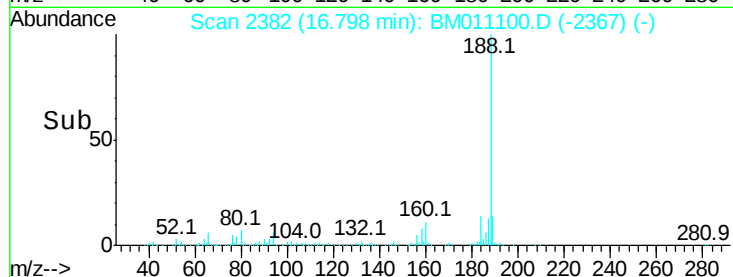
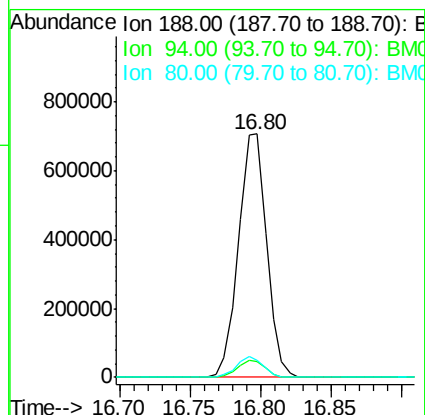
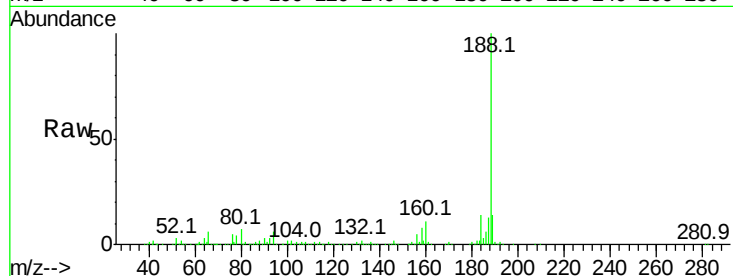




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.80 min Scan# 2382
Delta R.T. -0.01 min
Lab File: BM011100.D
Acq: 02 Aug 2017 18:38

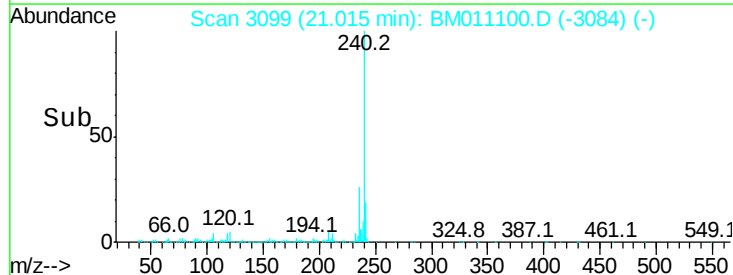
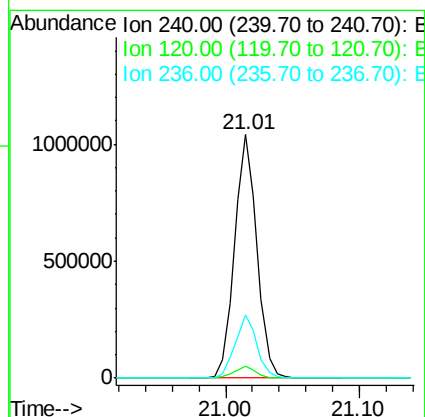
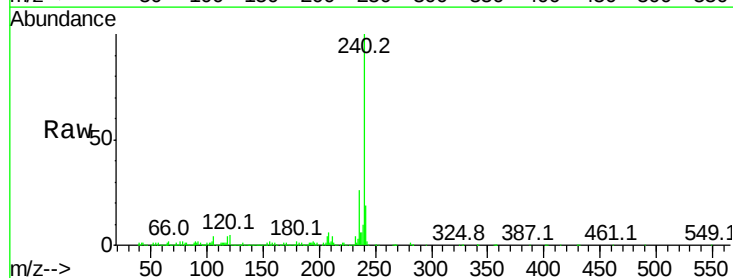
Instrument :
BNA_M
ClientSampled :
72-12020

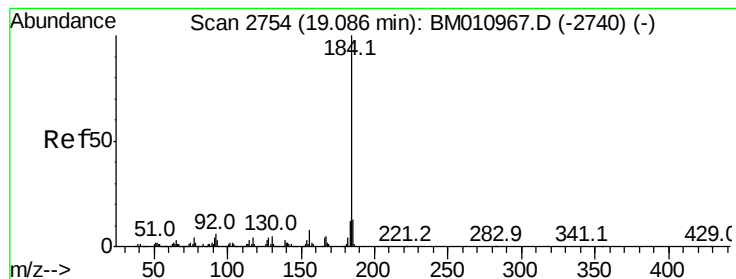
Tot Ion:188 Resp: 985413
Ion Ratio Lower Upper
188 100
94 6.3 8.7 13.1#
80 7.1 9.3 13.9#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.01 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM011100.D
Acq: 02 Aug 2017 18:38

Tgt Ion:240 Resp: 1216412
Ion Ratio Lower Upper
240 100
120 4.7 8.2 12.2#
236 25.7 20.0 30.0





#76

Benzidine

Concen: 7.338 ng

RT: 19.07 min Scan# 2769

Delta R.T. -0.01 min

Lab File: BM011100.D

Acq: 02 Aug 2017 18:38

Instrument :

BNA_M

ClientSampleId :

72-12020

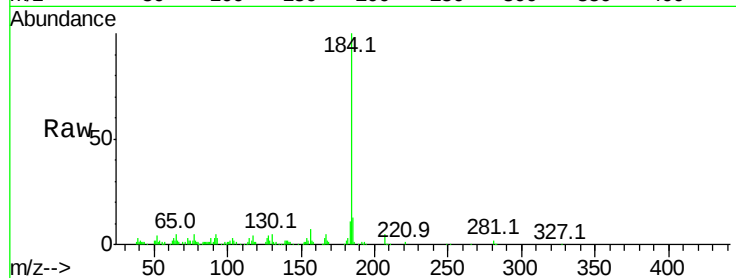
Tot Ion:184 Resp: 213531

Ion Ratio Lower Upper

184 100

185 12.7 11.3 16.9

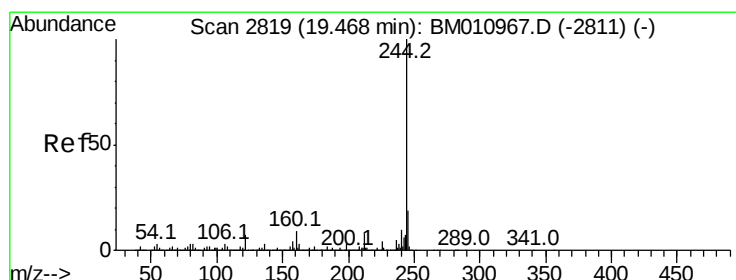
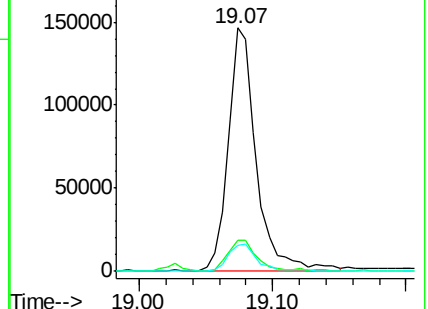
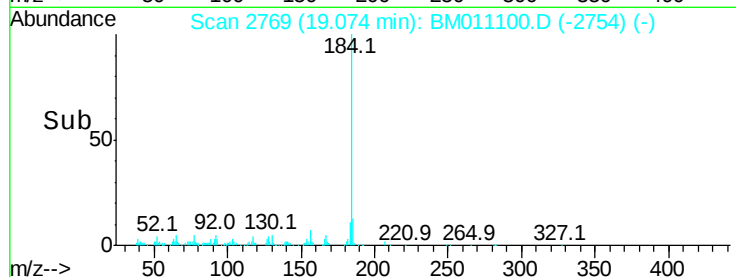
183 10.9 8.9 13.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 83.003 ng

RT: 19.46 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM011100.D

Acq: 02 Aug 2017 18:38

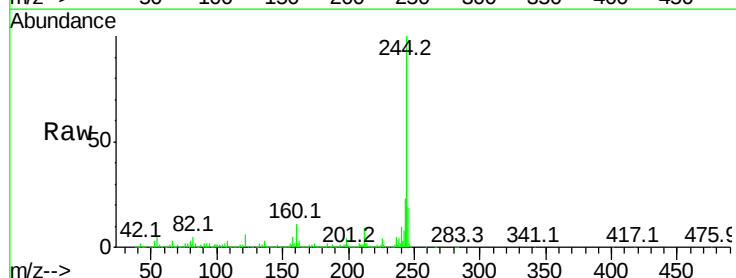
Tgt Ion:244 Resp: 5097049

Ion Ratio Lower Upper

244 100

212 9.1 4.9 7.3#

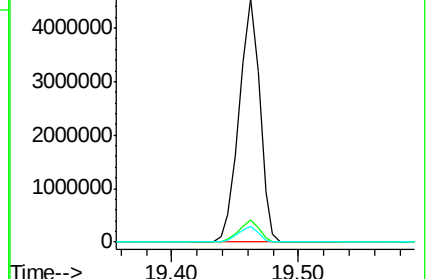
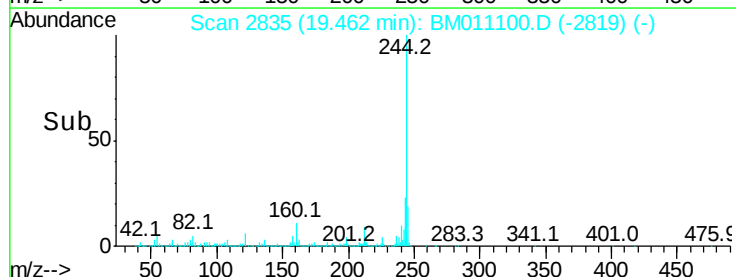
122 6.5 6.2 9.4

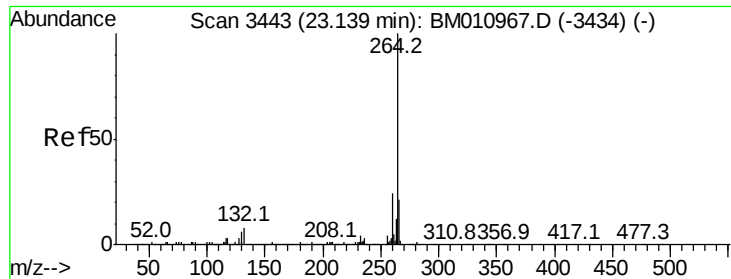


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

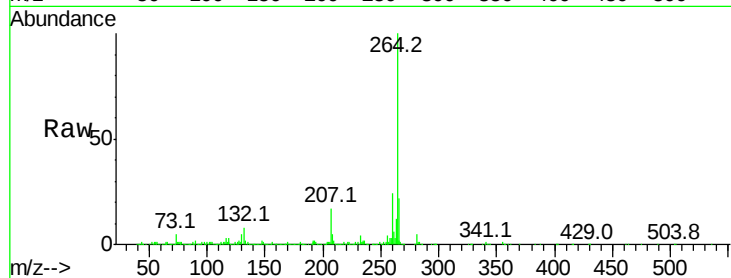




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.13 min Scan# 3458
 Delta R.T. -0.01 min
 Lab File: BM011100.D
 Acq: 02 Aug 2017 18:38

Instrument :
 BNA_M
 ClientSampleId :
 72-12020

Tot Ion:264 Resp: 1244076
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.6 27.8
 265 22.3 17.3 25.9



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

