

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080217\
 Data File : BM011101.D
 Acq On : 02 Aug 2017 19:14
 Operator : SJ/JU
 Sample : I4540-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 03 01:38:24 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

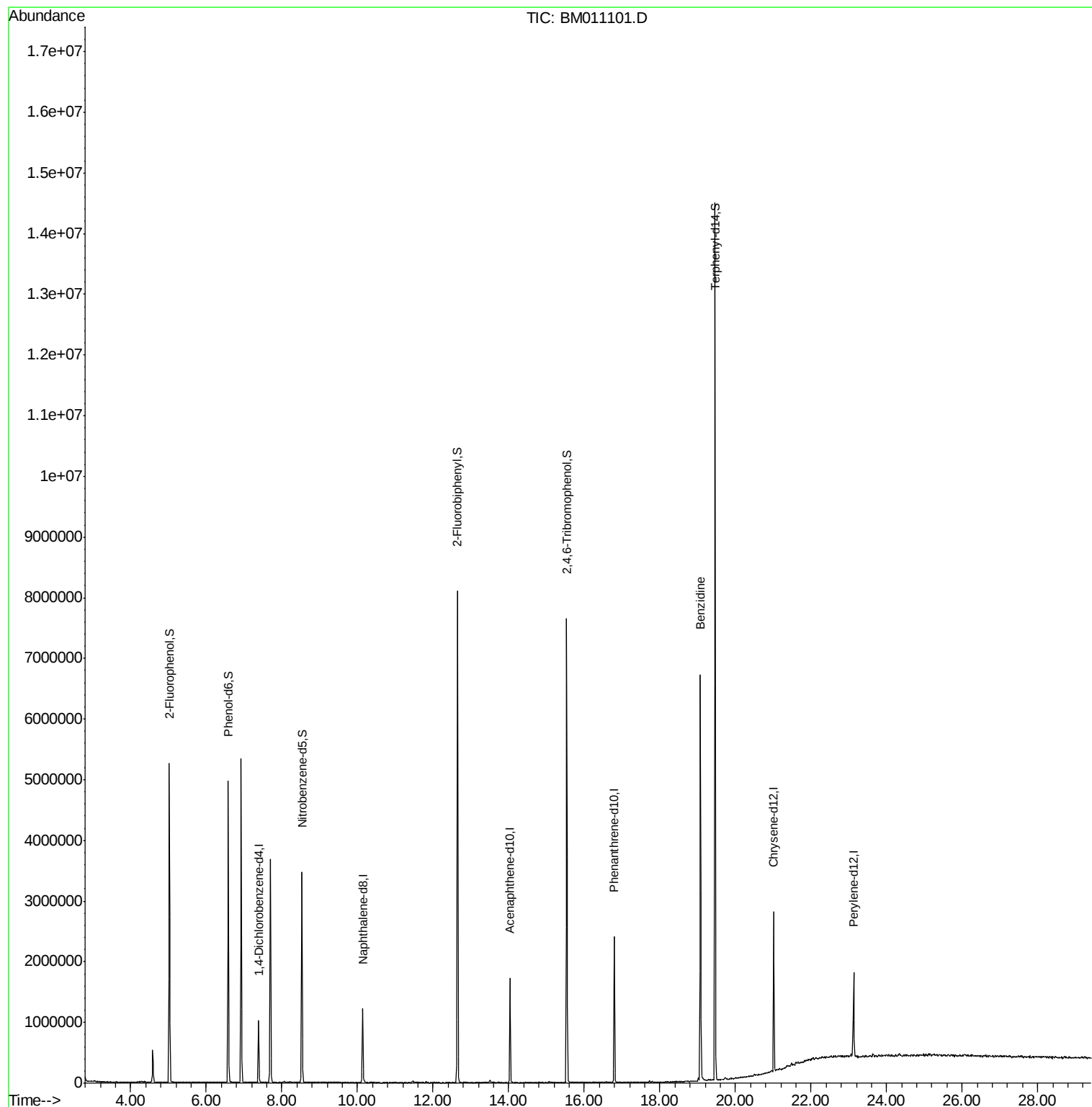
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	200936	20.00	ng	-0.01
21) Naphthalene-d8	10.14	136	738517	20.00	ng	-0.01
38) Acenaphthene-d10	14.04	164	488051	20.00	ng	-0.01
63) Phenanthrene-d10	16.79	188	1201577	20.00	ng	-0.02
75) Chrysene-d12	21.02	240	1209706	20.00	ng	-0.01
86) Perylene-d12	23.13	264	965061	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	1506197	126.71	ng	0.00
7) Phenol-d6	6.58	99	2031418	120.28	ng	-0.01
23) Nitrobenzene-d5	8.53	82	1877814	95.43	ng	-0.01
41) 2,4,6-Tribromophenol	15.54	330	1005986	128.60	ng	-0.01
44) 2-Fluorobiphenyl	12.64	172	3425985	88.04	ng	-0.02
78) Terphenyl-d14	19.46	244	5399676	88.42	ng	0.00
Target Compounds						
76) Benzidine	19.07	184	3194172	110.37	ng	Qvalue 99

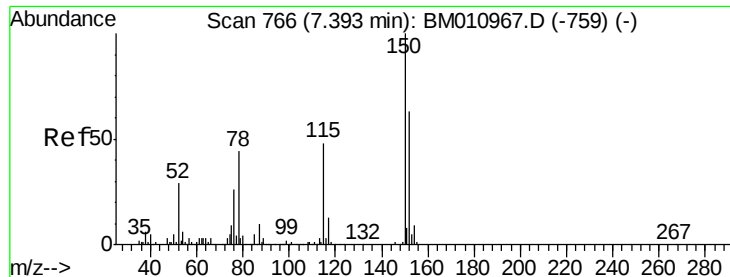
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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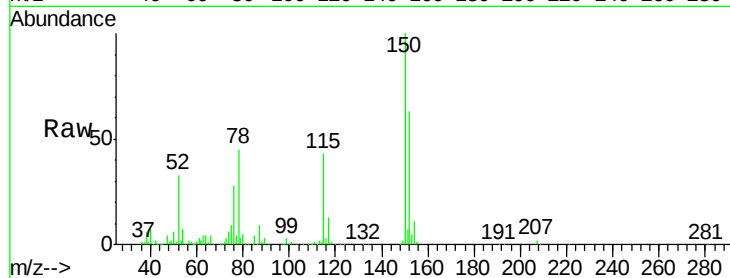


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 781
Delta R.T. -0.01 min
Lab File: BM011101.D
Acq: 02 Aug 2017 19:14

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	119.5	179.3
115	68.3	43.0	64.4

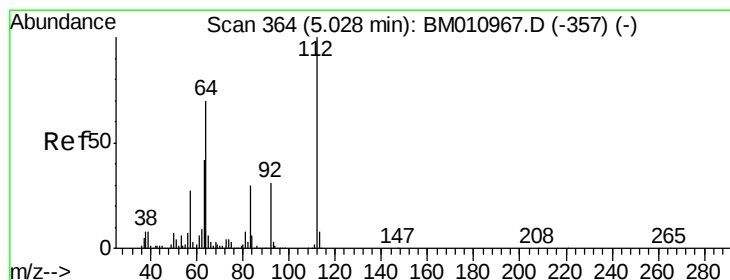
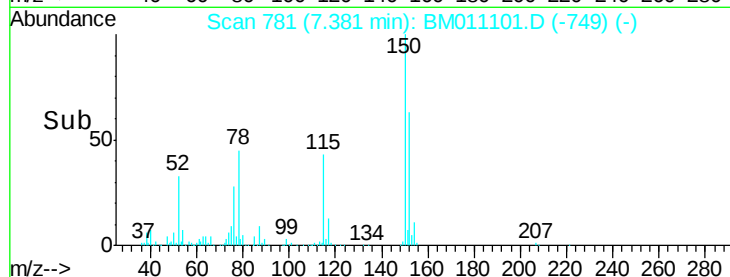
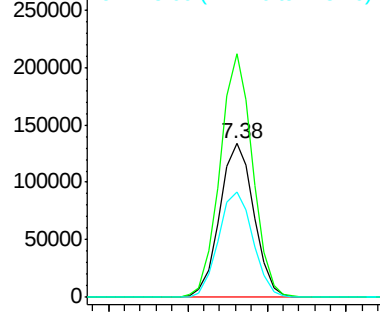


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

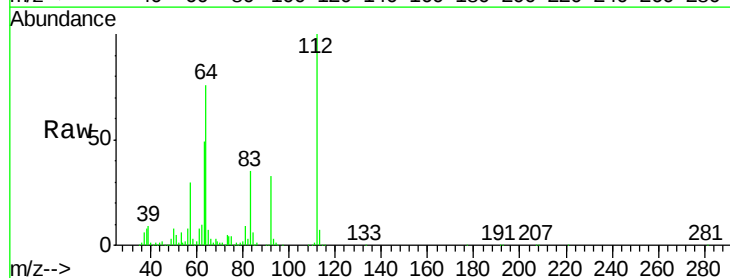
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 126.71 ng
RT: 5.02 min Scan# 380
Delta R.T. -0.01 min
Lab File: BM011101.D
Acq: 02 Aug 2017 19:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.7	38.6	57.8
63	49.4	19.3	28.9

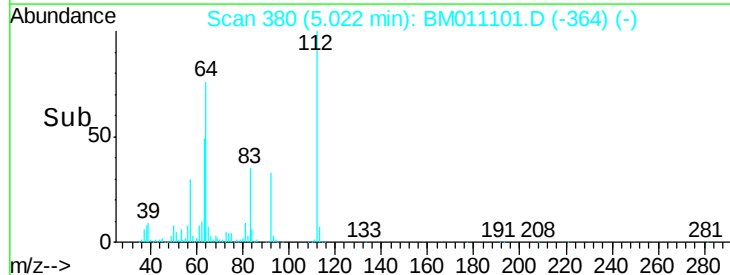
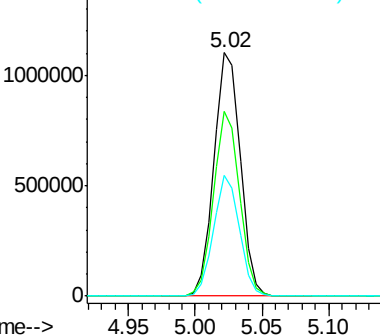


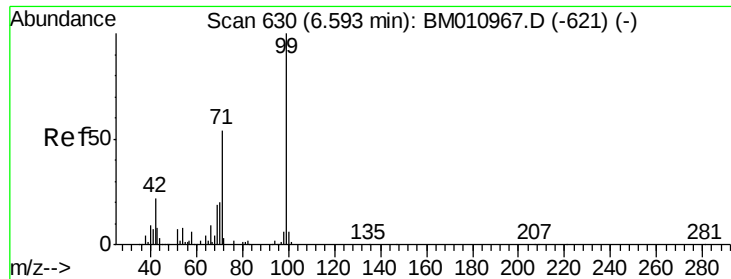
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 120.28 ng

RT: 6.58 min Scan# 645

Delta R.T. -0.01 min

Lab File: BM011101.D

Acq: 02 Aug 2017 19:14

Instrument :

BNA_M

ClientSampleId :

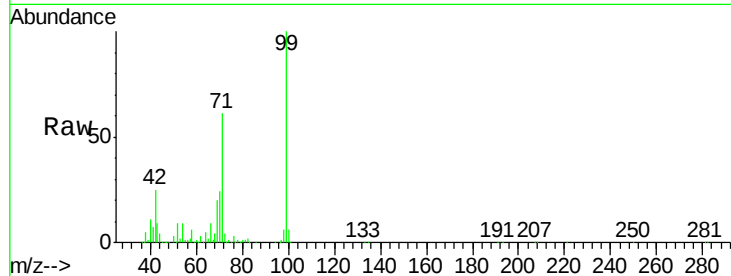
Tot Ion: 99 Resp: 2031418

Ion Ratio Lower Upper

99 100

42 24.9 11.0 16.4#

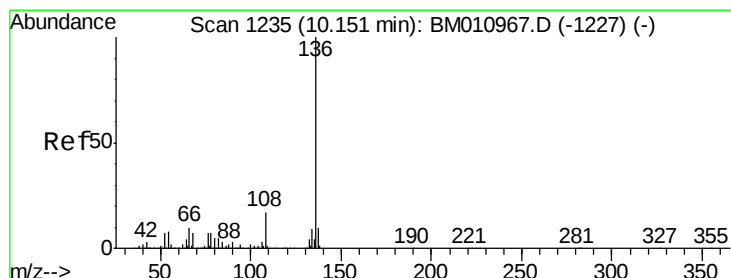
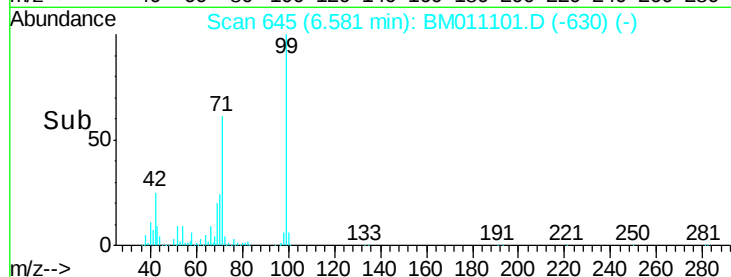
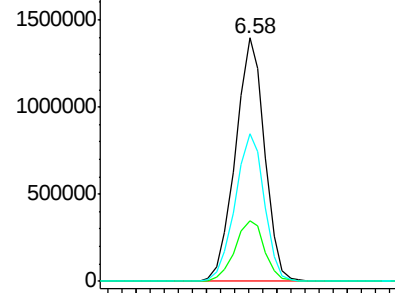
71 60.9 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011101.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM011101.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM011101.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.14 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BM011101.D

Acq: 02 Aug 2017 19:14

Tgt Ion: 136 Resp: 738517

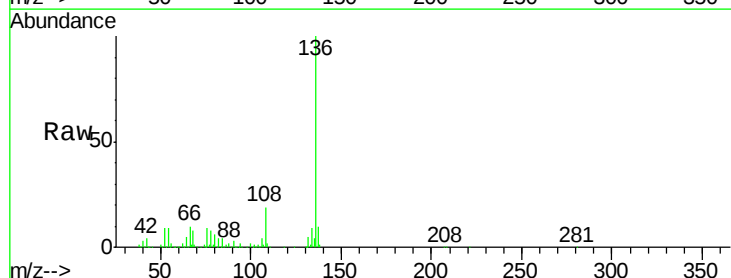
Ion Ratio Lower Upper

136 100

137 9.7 8.7 13.1

54 9.2 4.6 6.8#

68 7.7 3.7 5.5#

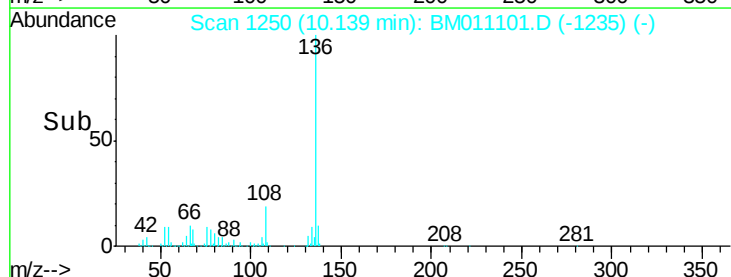
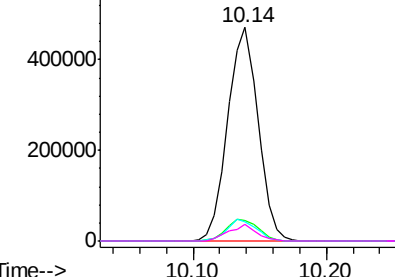


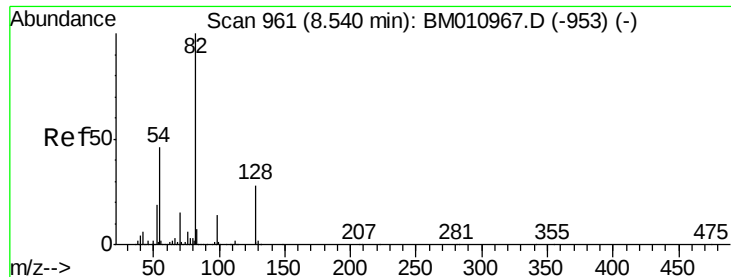
Abundance Ion 136.00 (135.70 to 136.70): BM011101.D (-1235) (-)

Ion 137.00 (136.70 to 137.70): BM011101.D (-1235) (-)

Ion 54.00 (53.70 to 54.70): BM011101.D (-1235) (-)

Ion 68.00 (67.70 to 68.70): BM011101.D (-1235) (-)

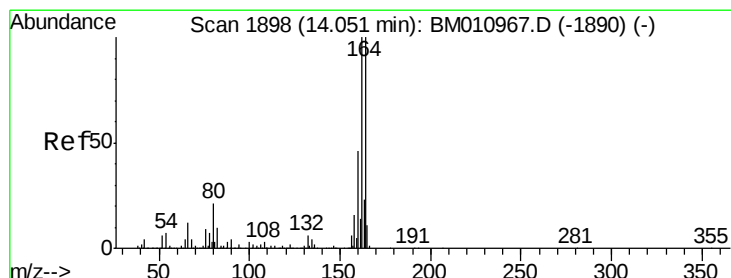
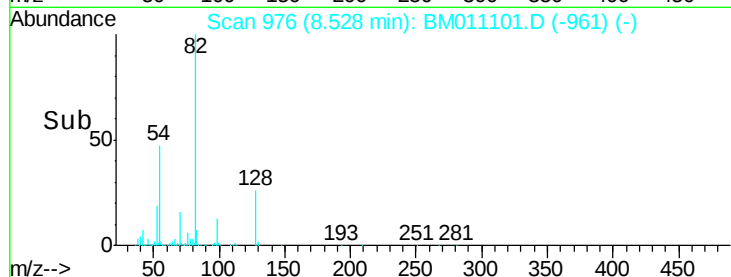
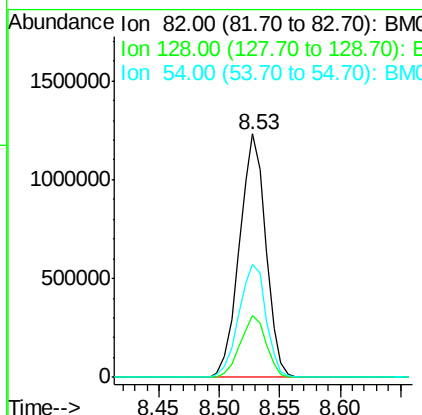
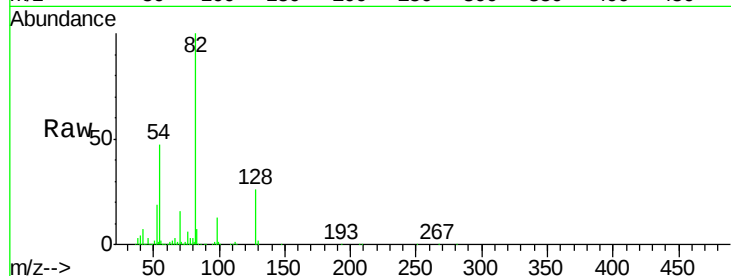




#23
 Nitrobenzene-d5
 Concen: 95.43 ng
 RT: 8.53 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: BM011101.D
 Acq: 02 Aug 2017 19:14

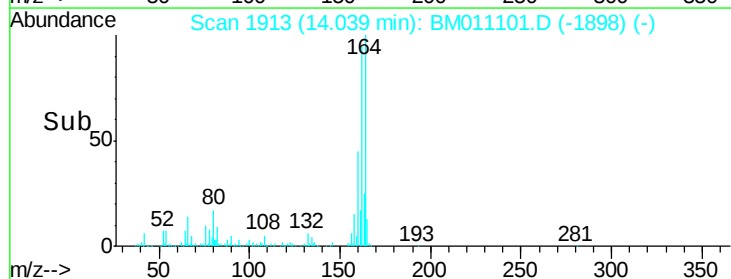
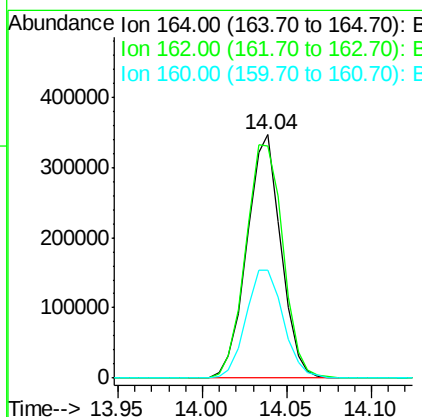
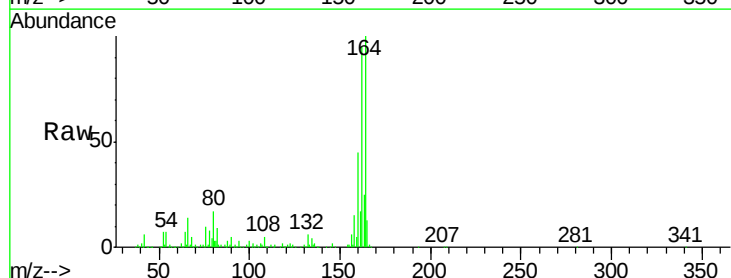
Instrument :
 BNA_M
 ClientSampleId :

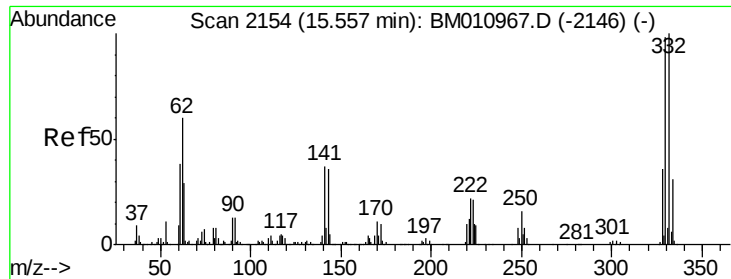
Tot Ion: 82 Resp: 1877814
 Ion Ratio Lower Upper
 82 100
 128 25.6 32.8 49.2#
 54 46.6 40.6 60.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.04 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BM011101.D
 Acq: 02 Aug 2017 19:14

Tgt Ion:164 Resp: 488051
 Ion Ratio Lower Upper
 164 100
 162 95.2 82.4 123.6
 160 44.6 35.8 53.6

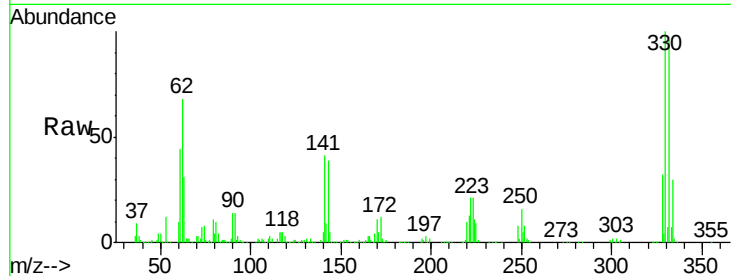




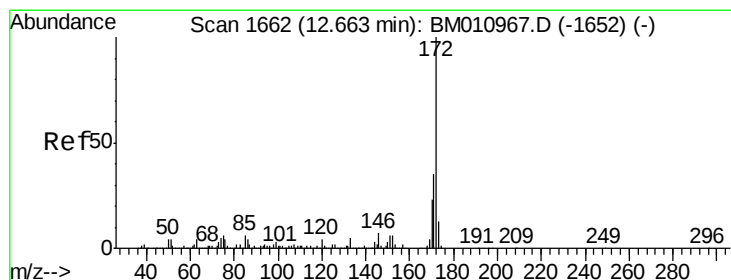
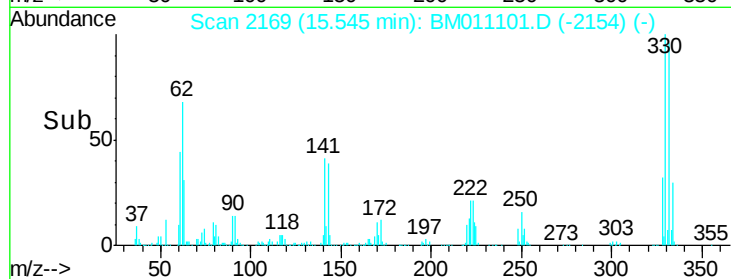
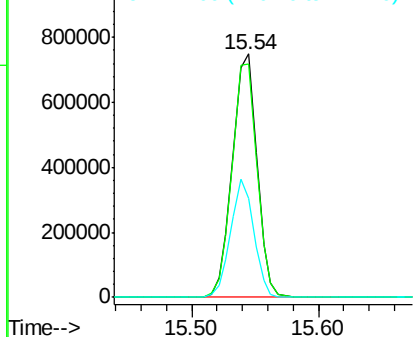
#41
 2,4,6-Tribromophenol
 Concen: 128.60 ng
 RT: 15.54 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BM011101.D
 Acq: 02 Aug 2017 19:14

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:330 Resp: 1005986
 Ion Ratio Lower Upper
 330 100
 332 97.9 0.0 0.0#
 141 46.0 0.0 0.0#

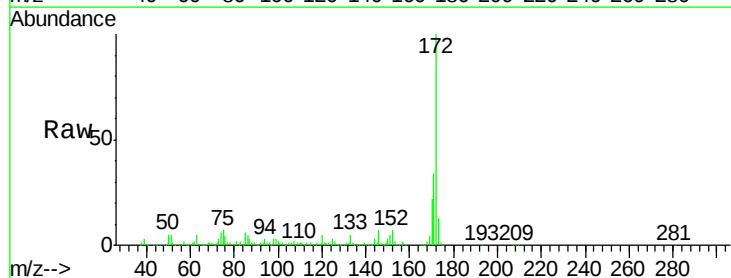


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

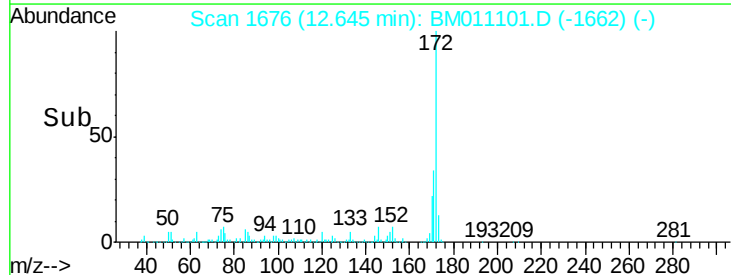
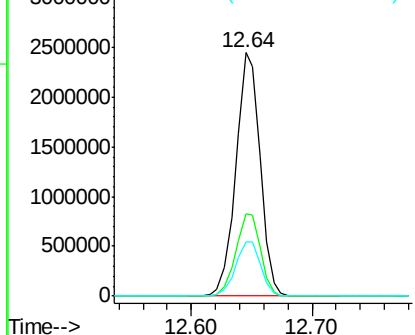


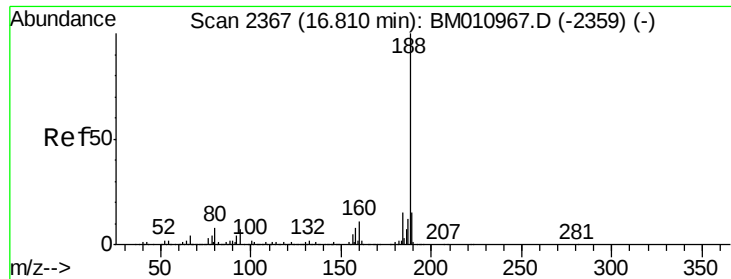
#44
 2-Fluorobiphenyl
 Concen: 88.04 ng
 RT: 12.64 min Scan# 1676
 Delta R.T. -0.02 min
 Lab File: BM011101.D
 Acq: 02 Aug 2017 19:14

Tgt Ion:172 Resp: 3425985
 Ion Ratio Lower Upper
 172 100
 171 34.0 28.5 42.7
 170 22.1 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

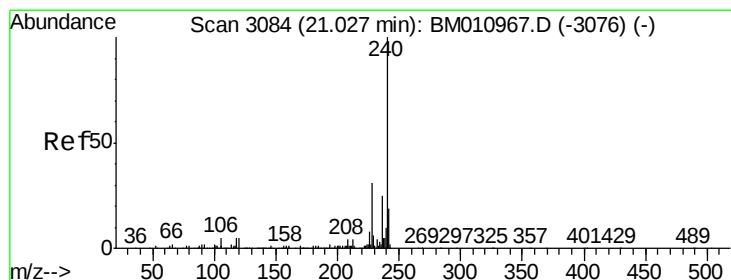
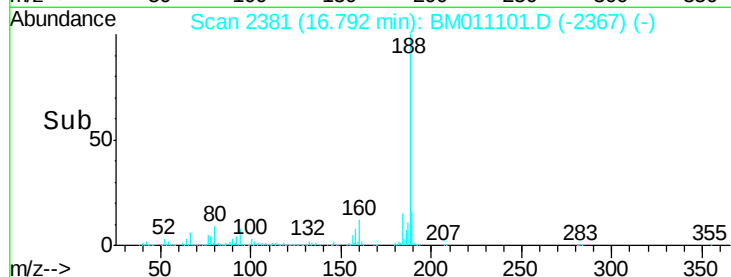
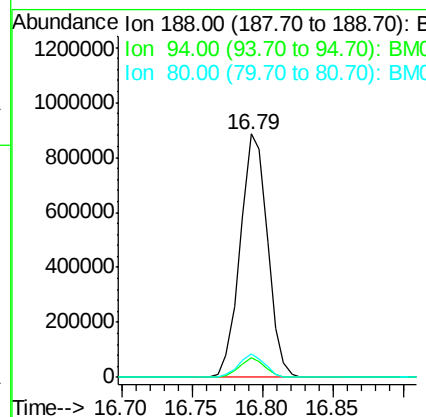
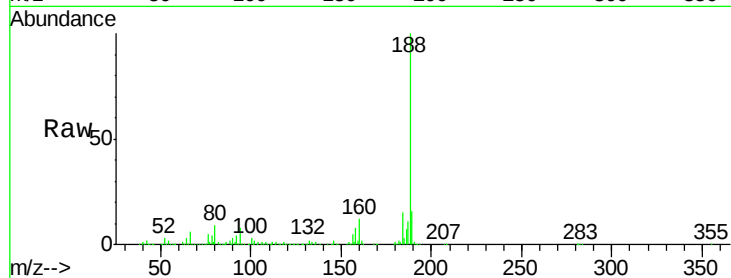




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.79 min Scan# 2381
Delta R.T. -0.02 min
Lab File: BM011101.D
Acq: 02 Aug 2017 19:14

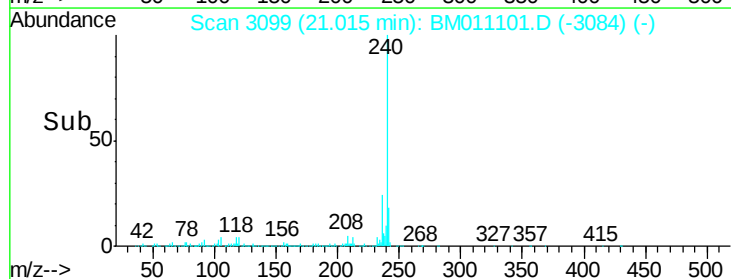
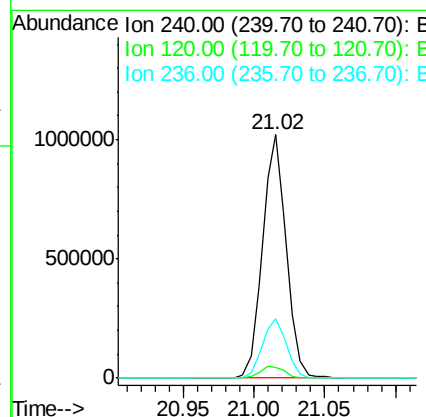
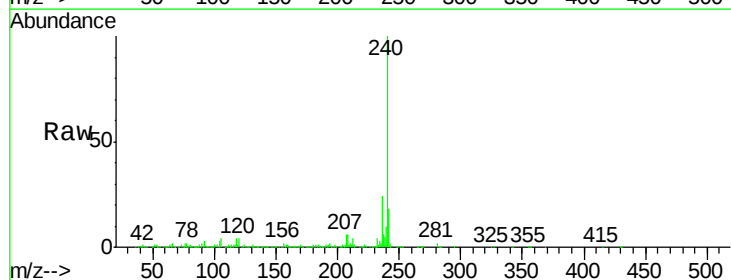
Instrument :
BNA_M
ClientSampled :

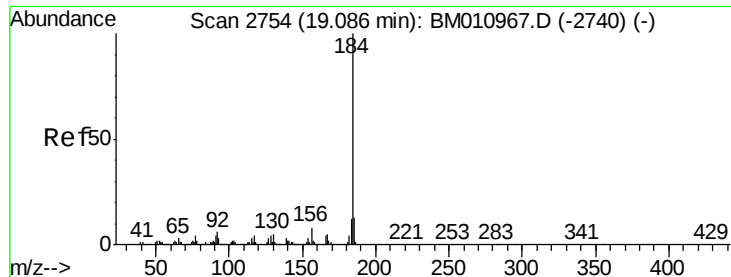
Tot Ion:188 Resp: 1201577
Ion Ratio Lower Upper
188 100
94 8.1 8.7 13.1#
80 9.4 9.3 13.9



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.02 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM011101.D
Acq: 02 Aug 2017 19:14

Tgt Ion:240 Resp: 1209706
Ion Ratio Lower Upper
240 100
120 4.3 8.2 12.2#
236 24.3 20.0 30.0





#76

Benzidine

Concen: 110.37 ng

RT: 19.07 min Scan# 2769

Delta R.T. -0.01 min

Lab File: BM011101.D

Acq: 02 Aug 2017 19:14

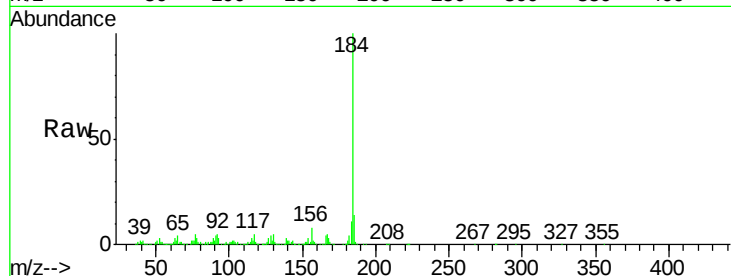
Instrument :

BNA_M

ClientSampleId :

Tot Ion:184 Resp: 3194172

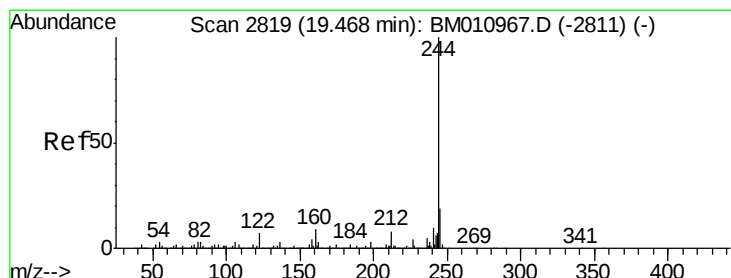
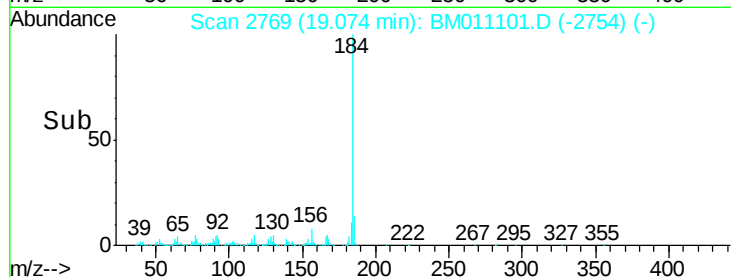
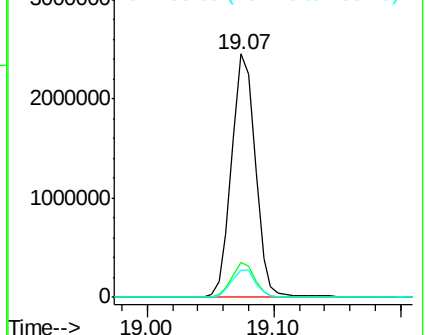
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.3	16.9
183	11.4	8.9	13.3



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: 88.42 ng

RT: 19.46 min Scan# 2835

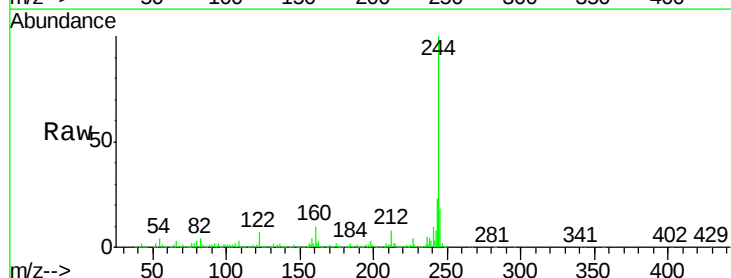
Delta R.T. -0.01 min

Lab File: BM011101.D

Acq: 02 Aug 2017 19:14

Tgt Ion:244 Resp: 5399676

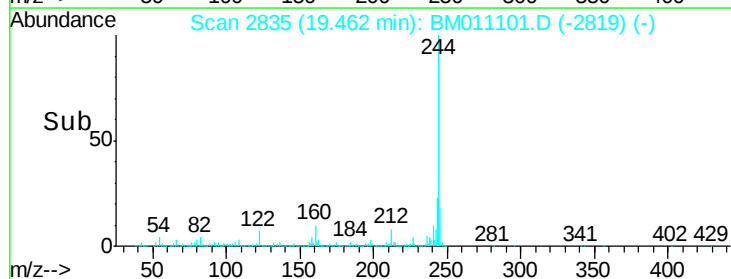
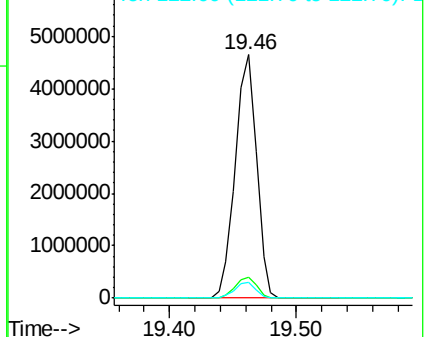
Ion	Ratio	Lower	Upper
244	100		
212	8.3	4.9	7.3#
122	6.5	6.2	9.4

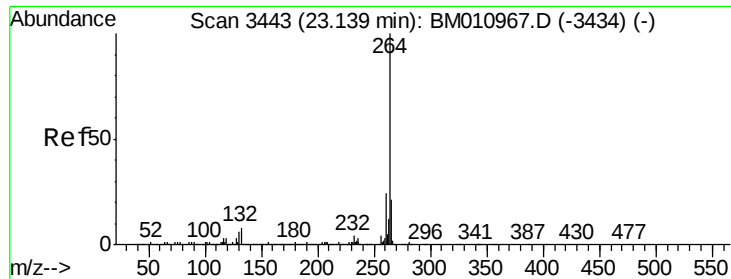


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

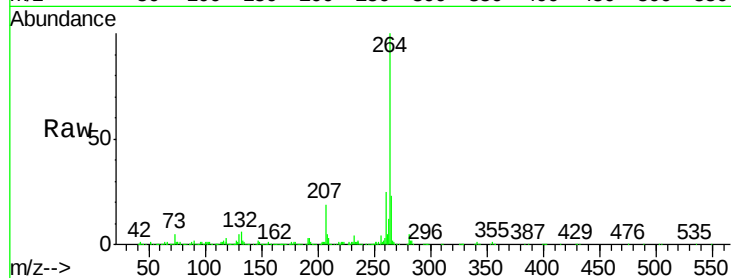




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 23.13 min Scan# 3458
 Delta R.T. -0.01 min
 Lab File: BM011101.D
 Acq: 02 Aug 2017 19:14

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.6	27.8
265	22.7	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

