

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080217\
 Data File : BM011104.D
 Acq On : 03 Aug 2017 00:33
 Operator : SJ/JU
 Sample : I4543-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HR-05-073117-A

Quant Time: Aug 03 01:39:02 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

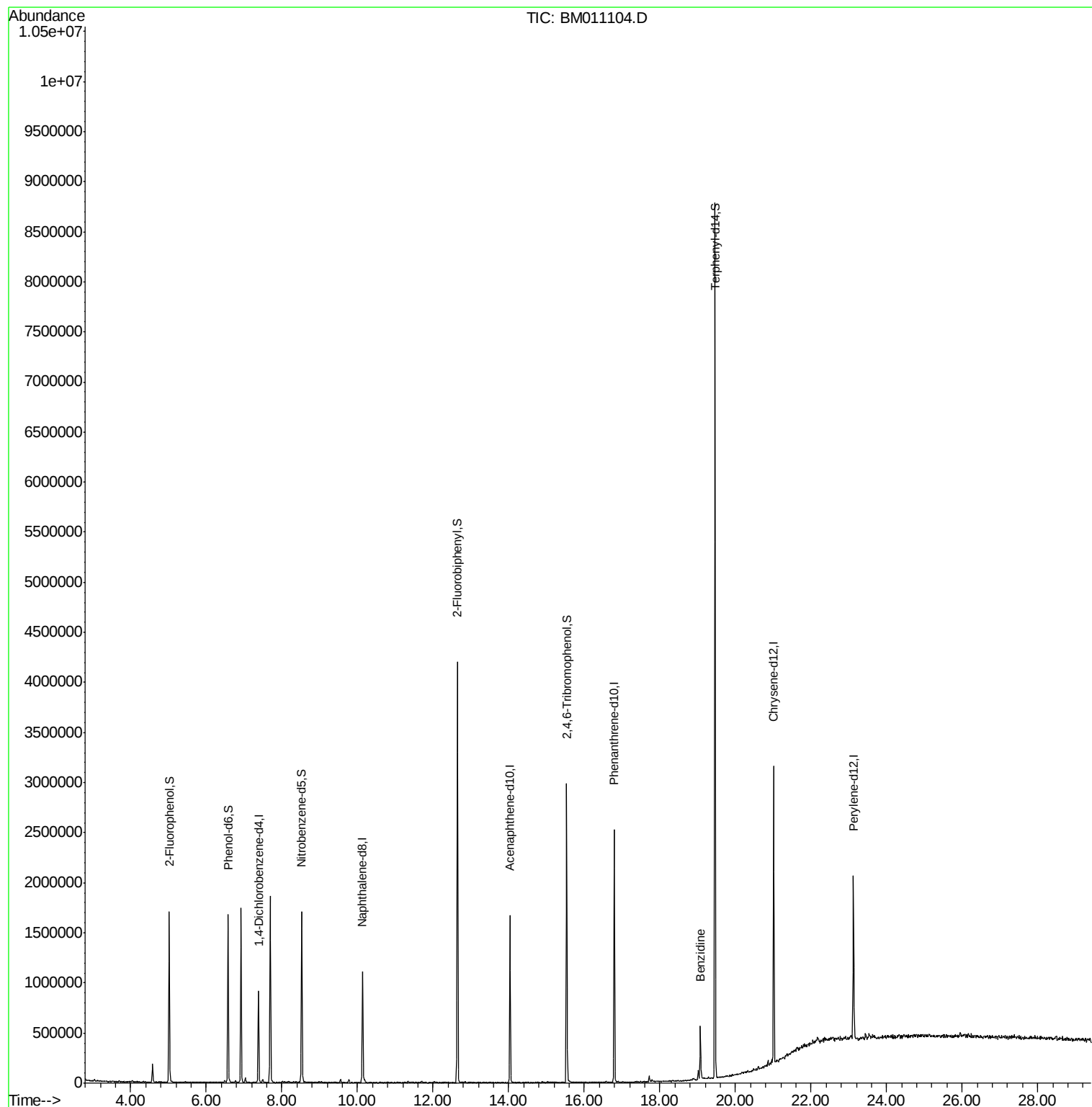
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	180898	20.00	ng	-0.01
21) Naphthalene-d8	10.13	136	696219	20.00	ng	-0.02
38) Acenaphthene-d10	14.03	164	478864	20.00	ng	-0.02
63) Phenanthrene-d10	16.79	188	1236038	20.00	ng	-0.02
75) Chrysene-d12	21.02	240	1334119	20.00	ng	-0.01
86) Perylene-d12	23.12	264	1120911	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	507912	47.46	ng	-0.01
7) Phenol-d6	6.57	99	707059	46.50	ng	-0.02
23) Nitrobenzene-d5	8.52	82	921438	49.67	ng	-0.02
41) 2,4,6-Tribromophenol	15.54	330	419285	54.63	ng	-0.02
44) 2-Fluorobiphenyl	12.65	172	1742492	45.64	ng	-0.02
78) Terphenyl-d14	19.46	244	3326008	49.38	ng	-0.01
Target Compounds						
76) Benzidine	19.07	184	289223	9.062	ng	Qvalue 99

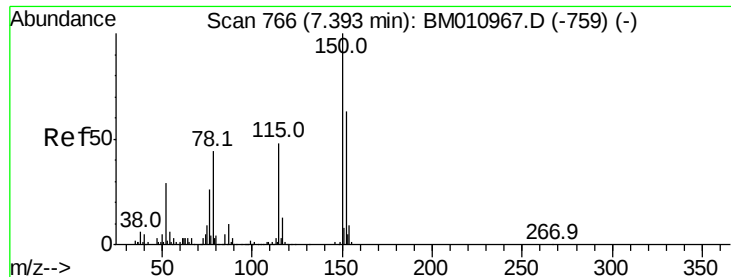
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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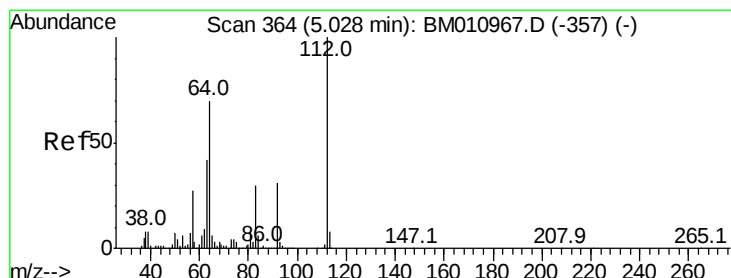
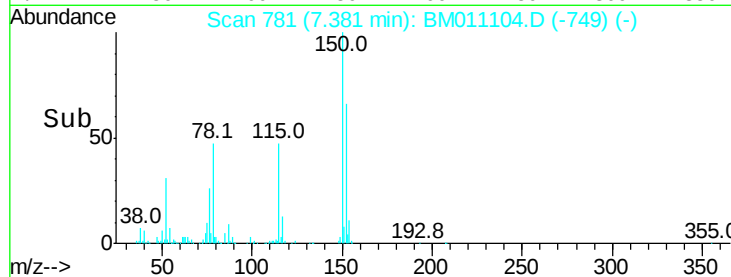
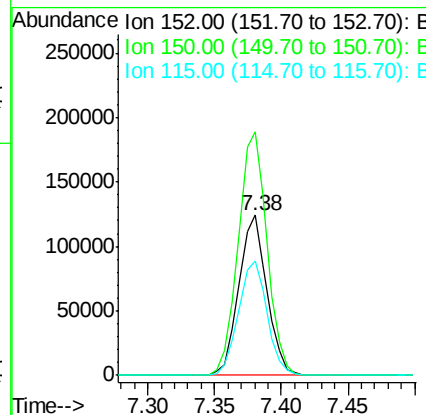
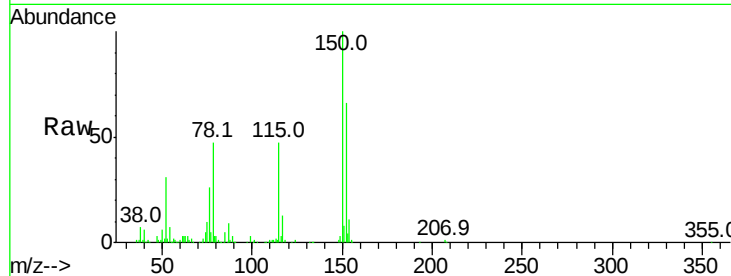


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.38 min Scan# 781
Delta R.T. -0.01 min
Lab File: BM011104.D
Acq: 03 Aug 2017 00:33

Instrument :
BNA_M
ClientSampleId :
HR-05-073117-A

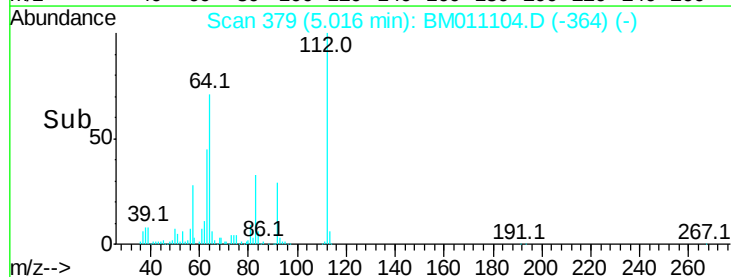
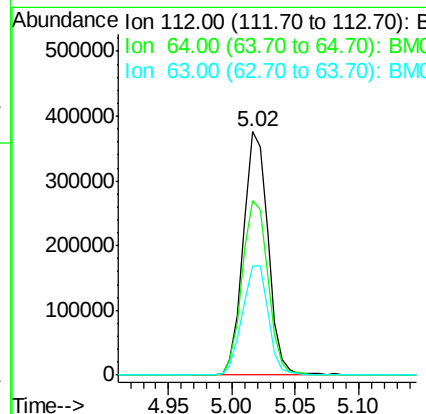
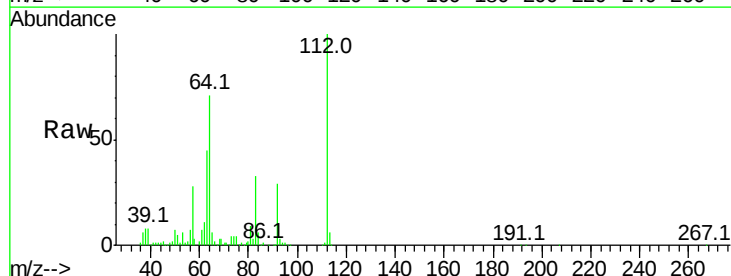
Tot Ion:152 Resp: 180898
Ion Ratio Lower Upper
152 100
150 152.3 119.5 179.3
115 71.6 43.0 64.4#

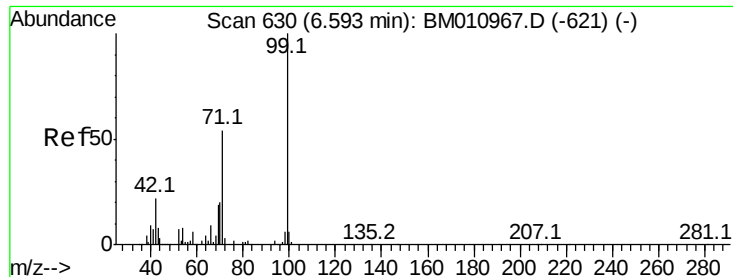


#5

2-Fluorophenol
Concen: 47.463 ng
RT: 5.02 min Scan# 379
Delta R.T. -0.01 min
Lab File: BM011104.D
Acq: 03 Aug 2017 00:33

Tgt Ion:112 Resp: 507912
Ion Ratio Lower Upper
112 100
64 71.5 38.6 57.8#
63 44.7 19.3 28.9#





#7

Phenol-d6

Concen: 46.503 ng

RT: 6.57 min Scan# 644

Delta R.T. -0.02 min

Lab File: BM011104.D

Acq: 03 Aug 2017 00:33

Instrument :

BNA_M

ClientSampleId :

HR-05-073117-A

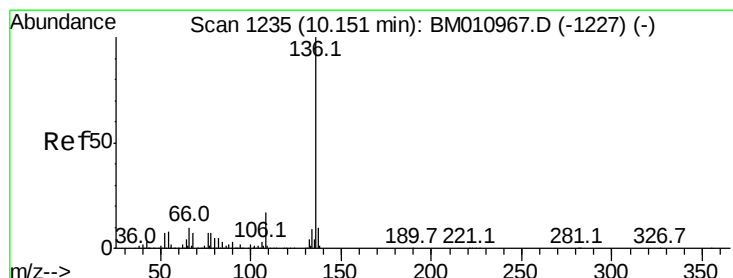
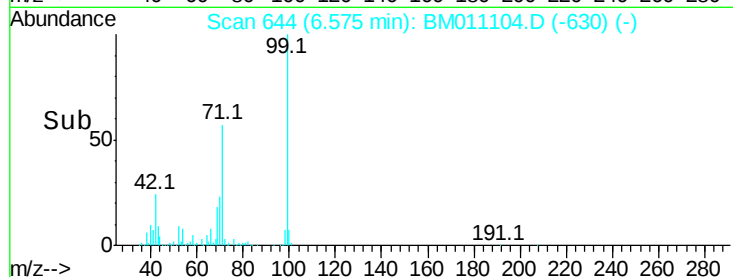
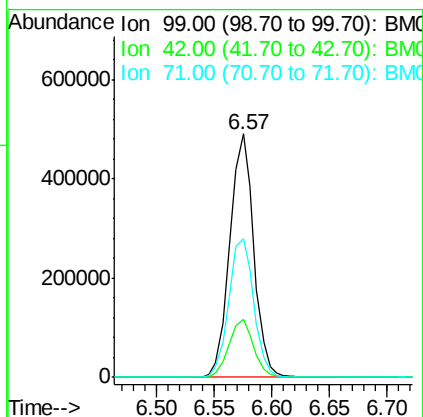
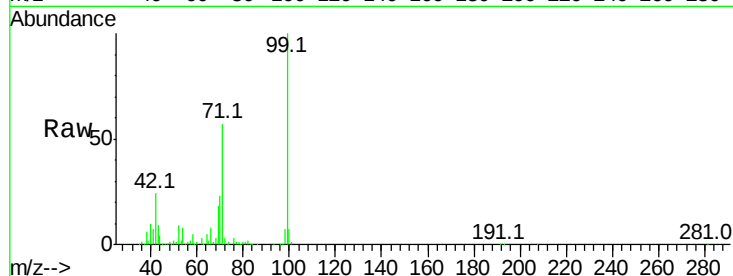
Tot Ion: 99 Resp: 707059

Ion Ratio Lower Upper

99 100

42 24.0 11.0 16.4#

71 56.9 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.13 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BM011104.D

Acq: 03 Aug 2017 00:33

Tgt Ion: 136 Resp: 696219

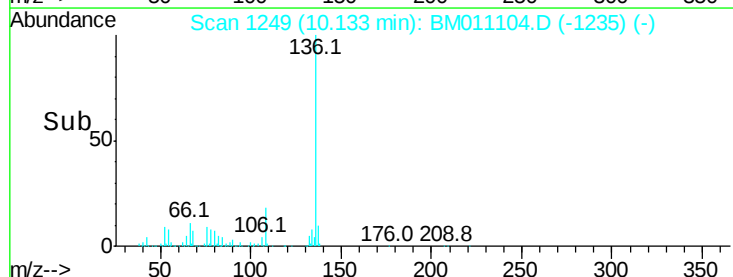
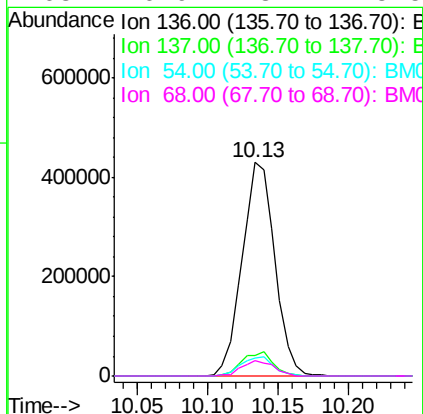
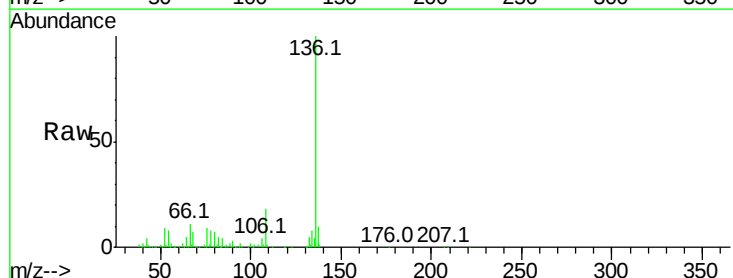
Ion Ratio Lower Upper

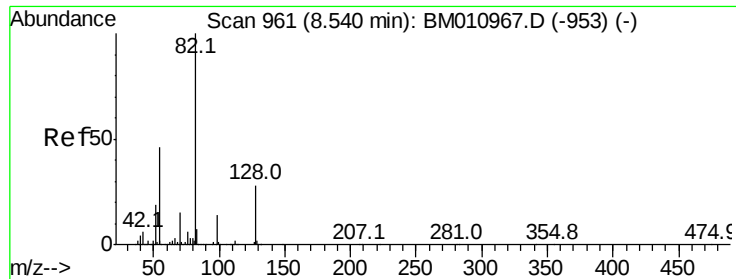
136 100

137 9.7 8.7 13.1

54 8.3 4.6 6.8#

68 6.9 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 49.673 ng

RT: 8.52 min Scan# 975

Delta R.T. -0.02 min

Lab File: BM011104.D

Acq: 03 Aug 2017 00:33

Instrument :

BNA_M

ClientSampleId :

HR-05-073117-A

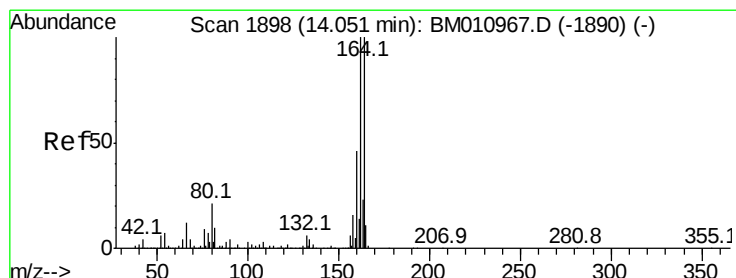
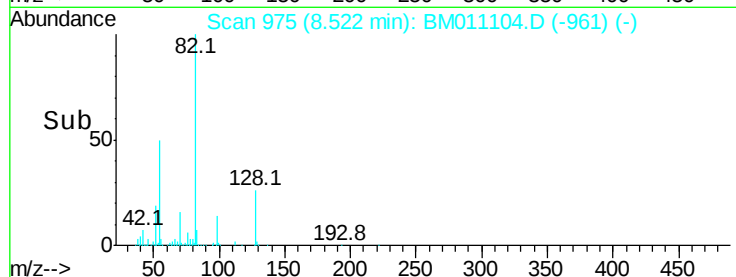
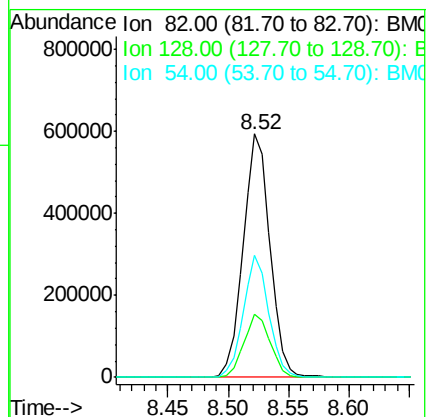
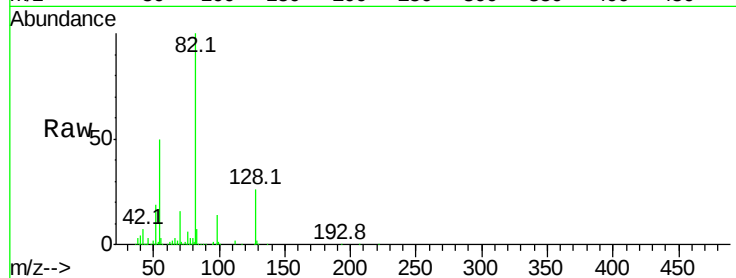
Tot Ion: 82 Resp: 921438

Ion Ratio Lower Upper

82 100

128 26.2 32.8 49.2#

54 50.1 40.6 60.8



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.03 min Scan# 1912

Delta R.T. -0.02 min

Lab File: BM011104.D

Acq: 03 Aug 2017 00:33

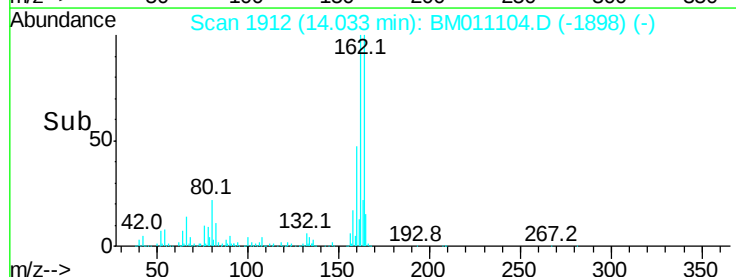
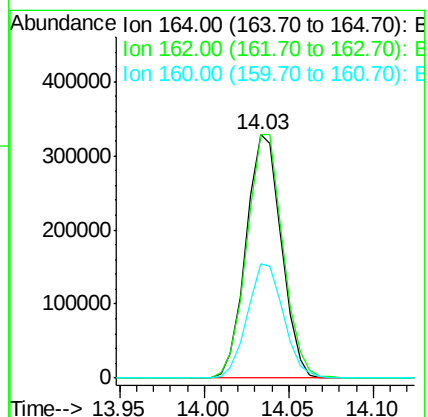
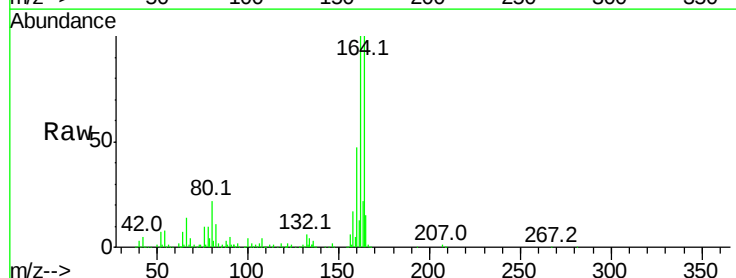
Tgt Ion: 164 Resp: 478864

Ion Ratio Lower Upper

164 100

162 99.9 82.4 123.6

160 47.1 35.8 53.6

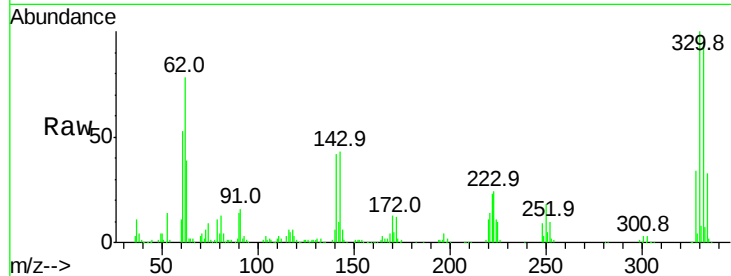




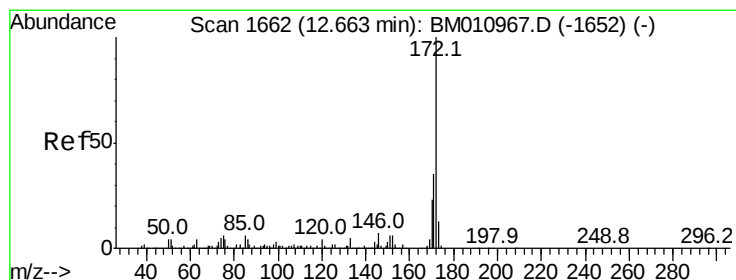
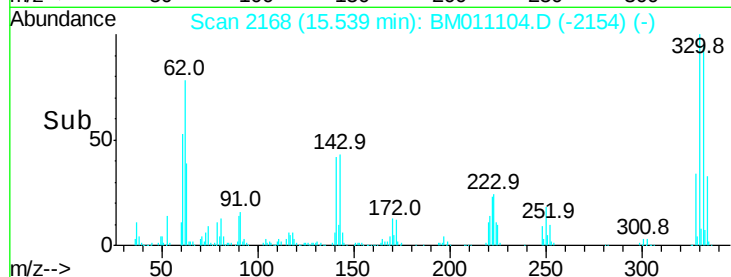
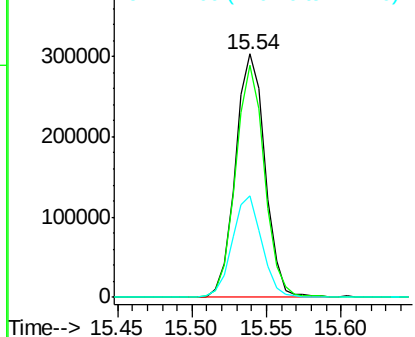
#41
 2,4,6-Tribromophenol
 Concen: 54.629 ng
 RT: 15.54 min Scan# 2168
 Delta R.T. -0.02 min
 Lab File: BM011104.D
 Acq: 03 Aug 2017 00:33

Instrument :
 BNA_M
 ClientSampleId :
 HR-05-073117-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.2	0.0	0.0#
141	42.0	0.0	0.0#

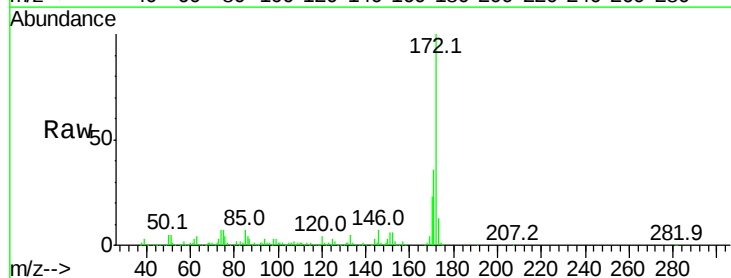


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

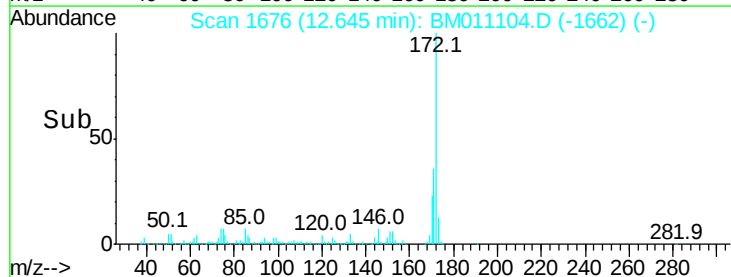
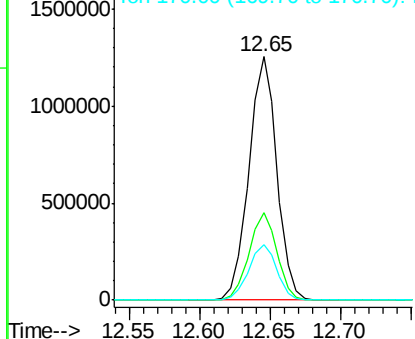


#44
 2-Fluorobiphenyl
 Concen: 45.636 ng
 RT: 12.65 min Scan# 1676
 Delta R.T. -0.02 min
 Lab File: BM011104.D
 Acq: 03 Aug 2017 00:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.5	42.7
170	22.9	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

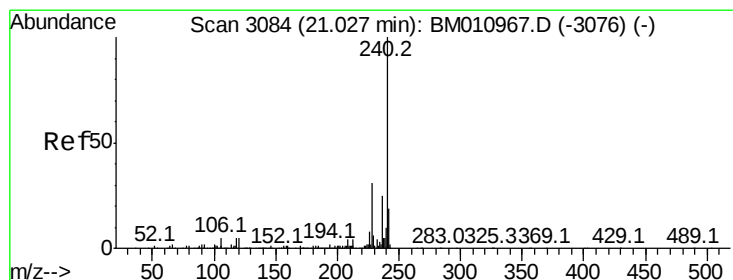
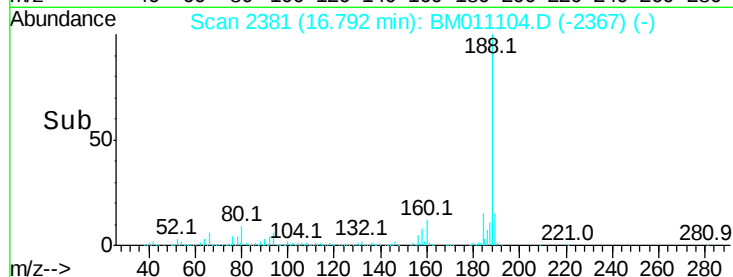
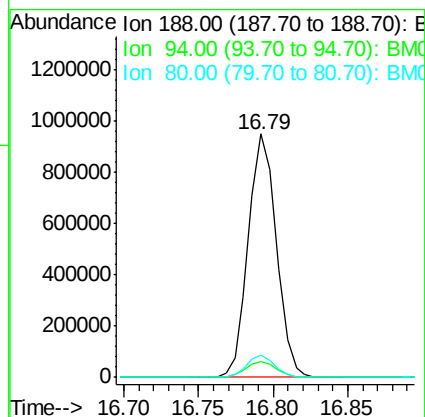
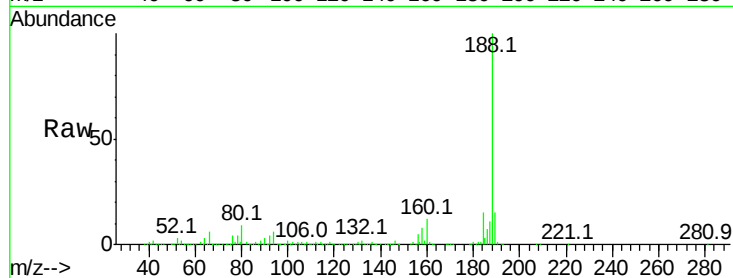




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.79 min Scan# 2381
Delta R.T. -0.02 min
Lab File: BM011104.D
Acq: 03 Aug 2017 00:33

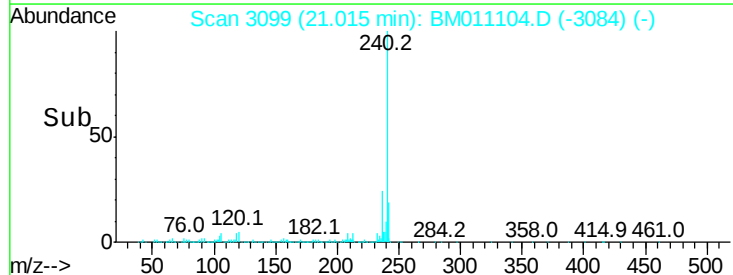
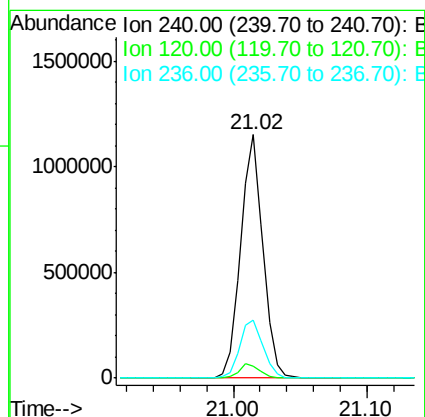
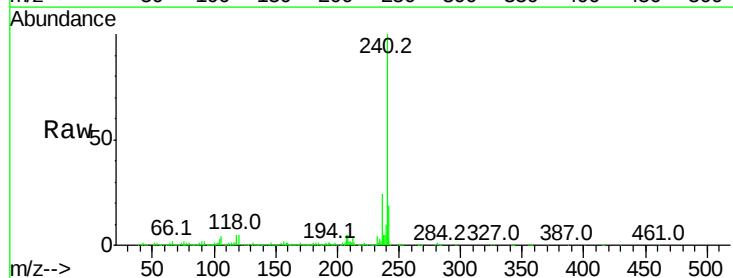
Instrument :
BNA_M
ClientSampleId :
HR-05-073117-A

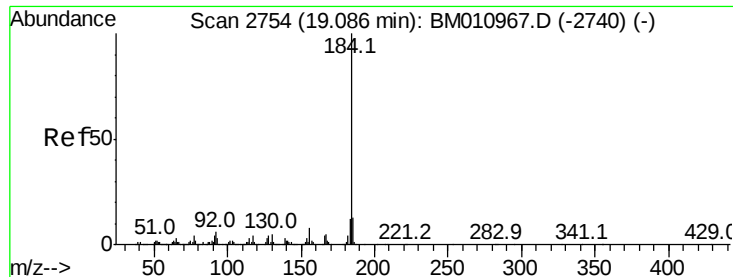
Tot Ion:188 Resp: 1236038
Ion Ratio Lower Upper
188 100
94 6.5 8.7 13.1#
80 8.9 9.3 13.9#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.02 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM011104.D
Acq: 03 Aug 2017 00:33

Tgt Ion:240 Resp: 1334119
Ion Ratio Lower Upper
240 100
120 4.8 8.2 12.2#
236 23.7 20.0 30.0





#76

Benzidine

Concen: 9.062 ng

RT: 19.07 min Scan# 2769

Delta R.T. -0.01 min

Lab File: BM011104.D

Acq: 03 Aug 2017 00:33

Instrument :

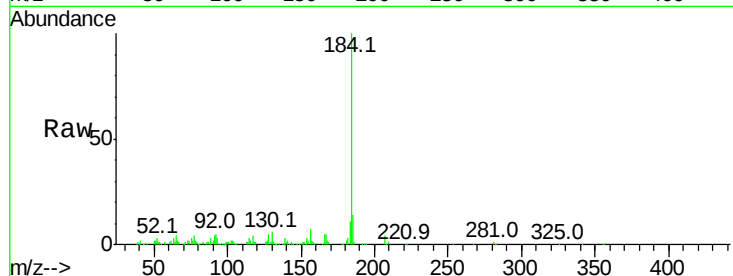
BNA_M

ClientSampleId :

HR-05-073117-A

Tot Ion:184 Resp: 289223

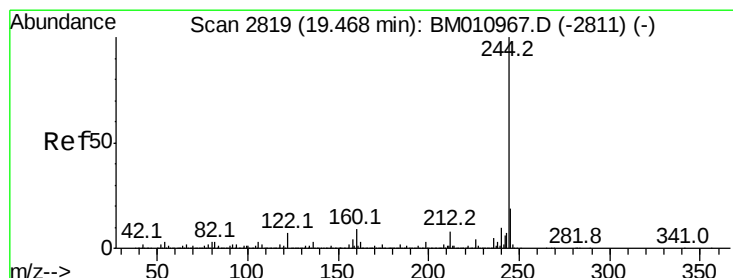
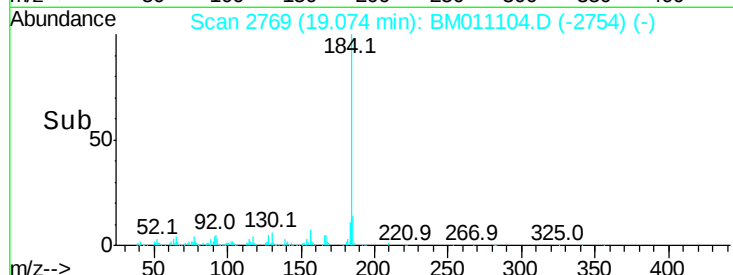
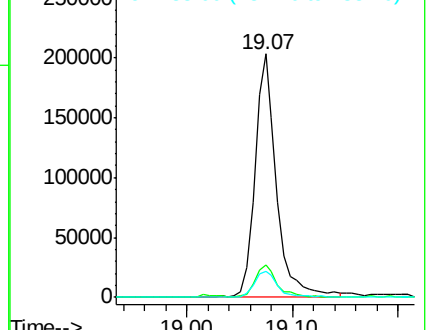
Ion	Ratio	Lower	Upper
184	100		
185	13.6	11.3	16.9
183	10.7	8.9	13.3



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: 49.384 ng

RT: 19.46 min Scan# 2834

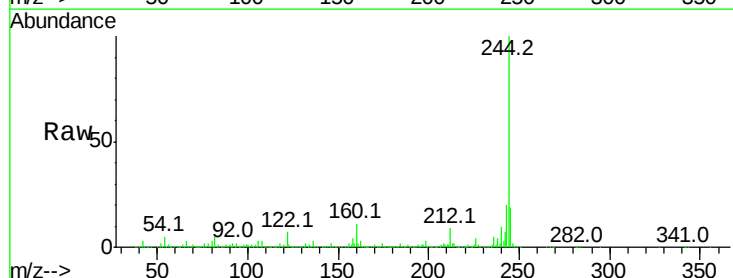
Delta R.T. -0.01 min

Lab File: BM011104.D

Acq: 03 Aug 2017 00:33

Tgt Ion:244 Resp: 3326008

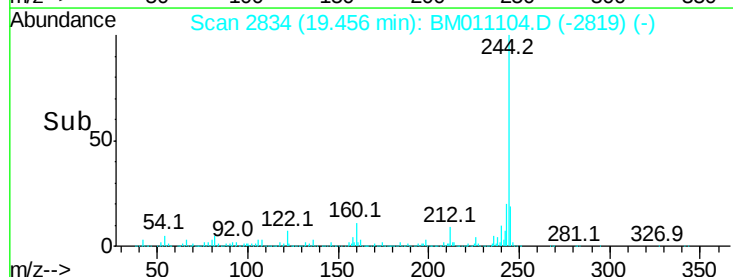
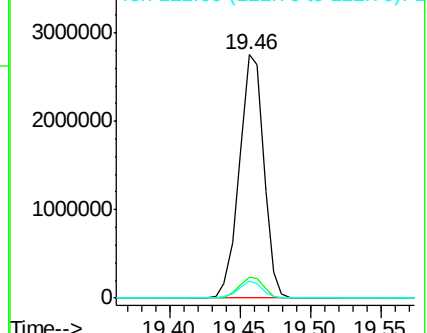
Ion	Ratio	Lower	Upper
244	100		
212	8.8	4.9	7.3#
122	6.8	6.2	9.4

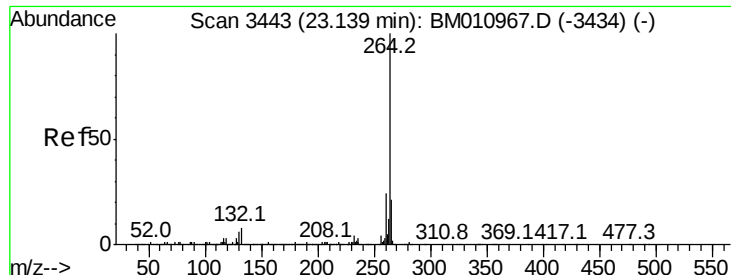


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.12 min Scan# 3457

Delta R.T. -0.02 min

Lab File: BM011104.D

Acq: 03 Aug 2017 00:33

Instrument :

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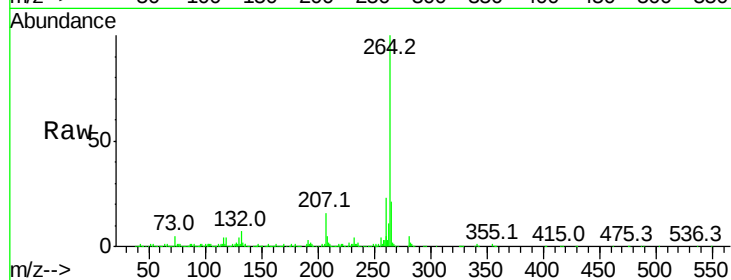
Tot Ion:264 Resp: 1120911

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 21.1 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

