

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080217\
 Data File : BM011102.D
 Acq On : 02 Aug 2017 23:21
 Operator : SJ/JU
 Sample : I4539-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-2

Quant Time: Aug 03 04:15:39 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

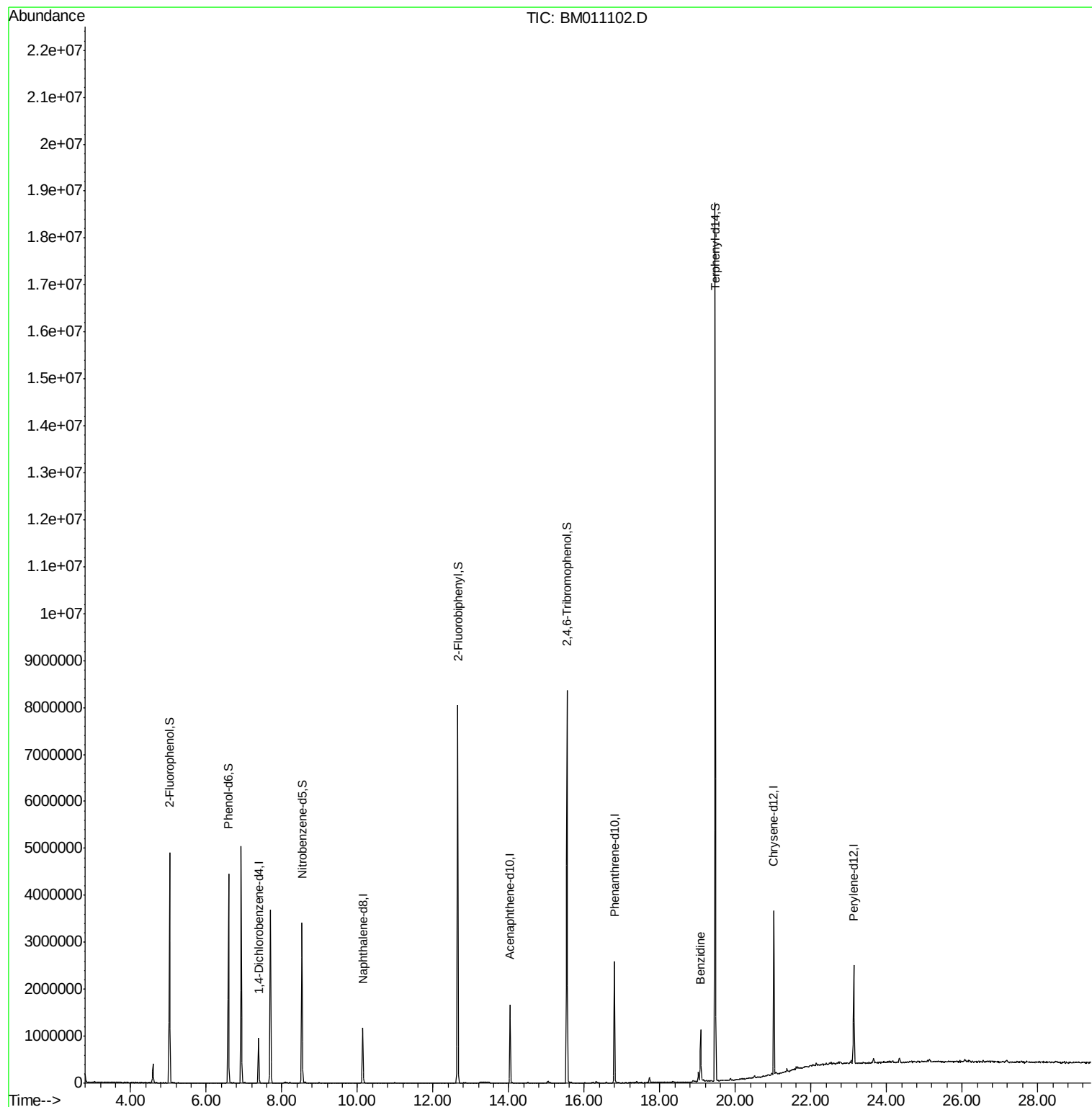
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	180535	20.00	ng	-0.01
21) Naphthalene-d8	10.14	136	693064	20.00	ng	-0.01
38) Acenaphthene-d10	14.04	164	480120	20.00	ng	-0.01
63) Phenanthrene-d10	16.80	188	1331602	20.00	ng	-0.01
75) Chrysene-d12	21.02	240	1678286	20.00	ng	0.00
86) Perylene-d12	23.13	264	1450929	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	1408206	131.86	ng	0.00
7) Phenol-d6	6.58	99	1843416	121.49	ng	-0.01
23) Nitrobenzene-d5	8.53	82	1829646	99.08	ng	-0.01
41) 2,4,6-Tribromophenol	15.55	330	1117699	145.24	ng	-0.01
44) 2-Fluorobiphenyl	12.65	172	3398042	88.76	ng	-0.01
78) Terphenyl-d14	19.46	244	6885858	81.27	ng	0.00
Target Compounds						
76) Benzidine	19.08	184	596151	14.848	ng	Qvalue 97

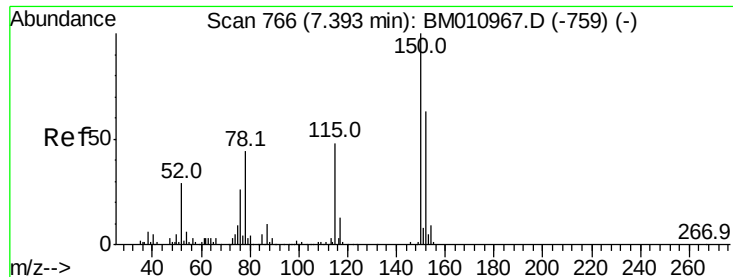
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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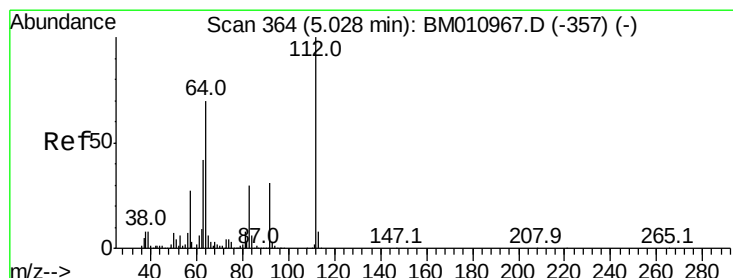
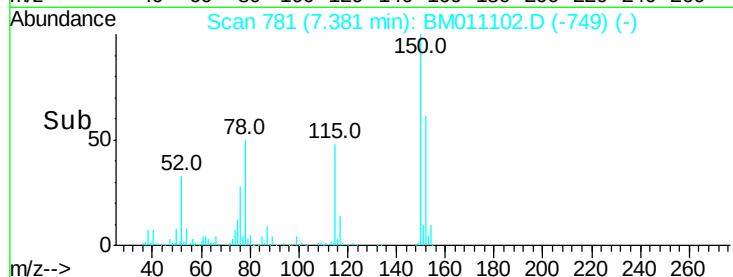
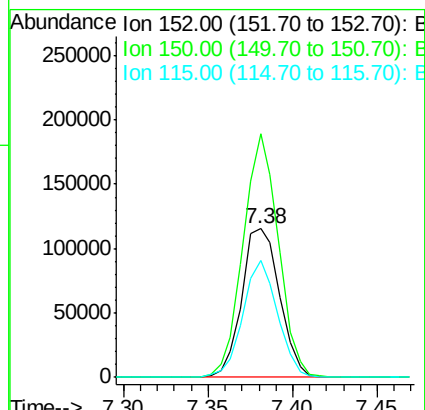
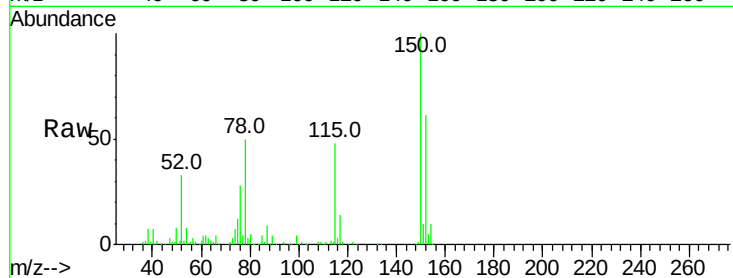


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.38 min Scan# 781
Delta R.T. -0.01 min
Lab File: BM011102.D
Acq: 02 Aug 2017 23:21

Instrument :
BNA_M
ClientSampleId :
TP-2

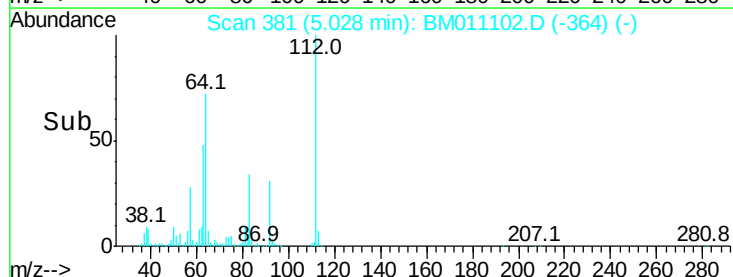
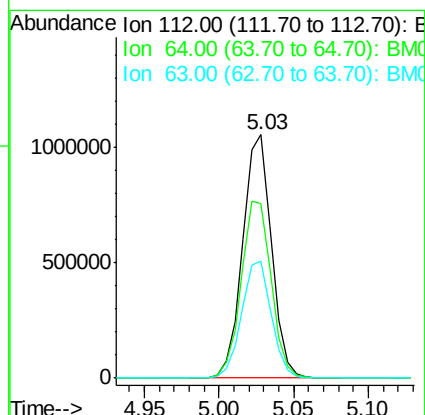
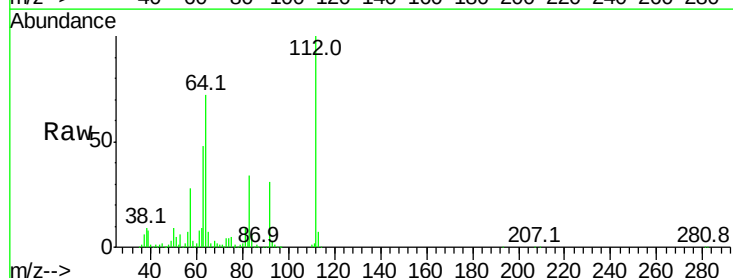
Tot Ion:152 Resp: 180535
Ion Ratio Lower Upper
152 100
150 164.1 119.5 179.3
115 78.5 43.0 64.4#

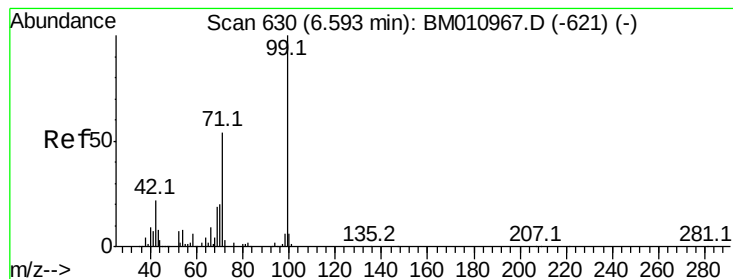


#5

2-Fluorophenol
Concen: 131.857 ng
RT: 5.03 min Scan# 381
Delta R.T. 0.00 min
Lab File: BM011102.D
Acq: 02 Aug 2017 23:21

Tgt Ion:112 Resp: 1408206
Ion Ratio Lower Upper
112 100
64 71.8 38.6 57.8#
63 47.9 19.3 28.9#





#7

Phenol-d6

Concen: 121.485 ng

RT: 6.58 min Scan# 645

Delta R.T. -0.01 min

Lab File: BM011102.D

Acq: 02 Aug 2017 23:21

Instrument :

BNA_M

ClientSampleId :

TP-2

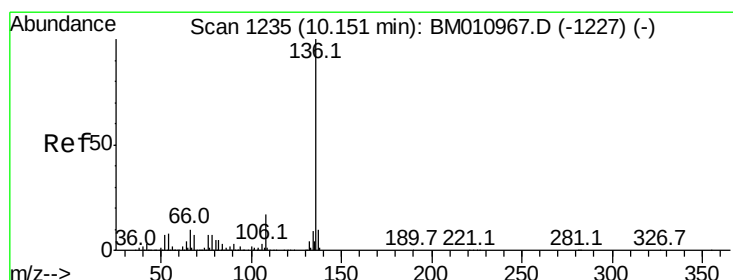
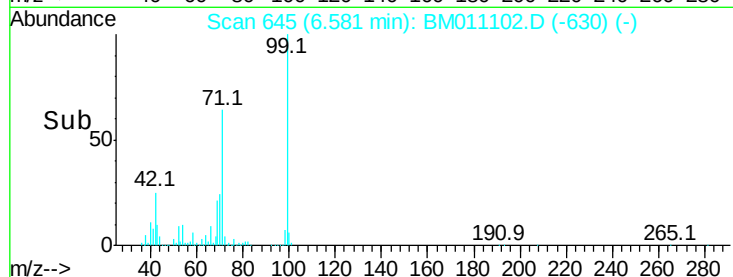
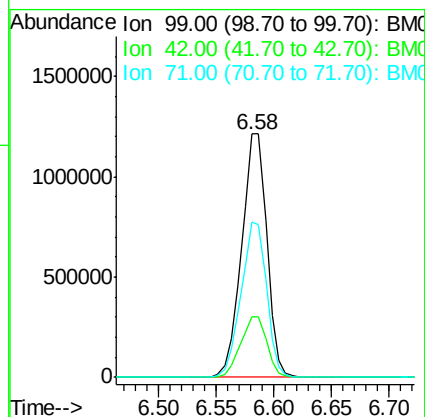
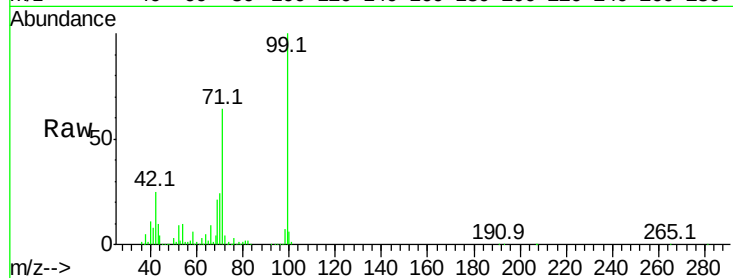
Tot Ion: 99 Resp: 1843416

Ion Ratio Lower Upper

99 100

42 25.1 11.0 16.4#

71 63.6 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: BM011102.D

Acq: 02 Aug 2017 23:21

Tgt Ion: 136 Resp: 693064

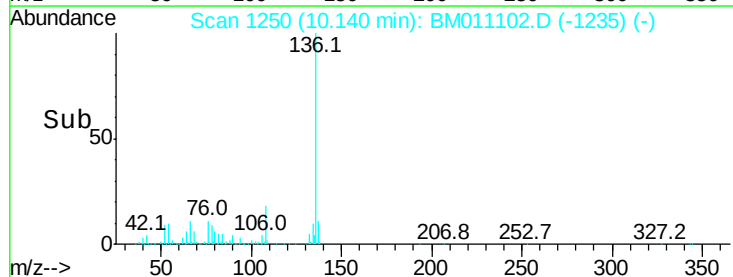
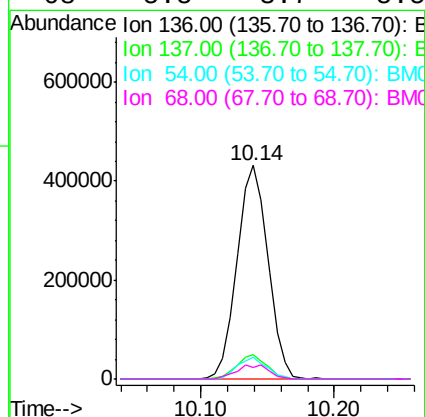
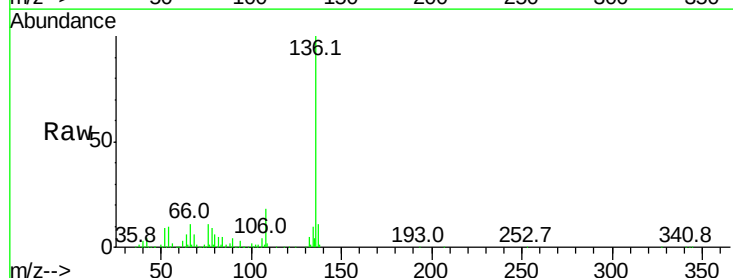
Ion Ratio Lower Upper

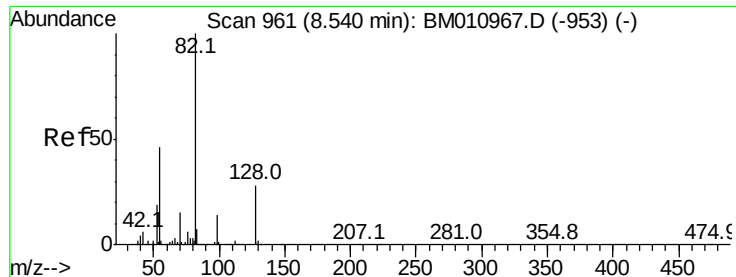
136 100

137 11.3 8.7 13.1

54 10.1 4.6 6.8#

68 5.5 3.7 5.5#

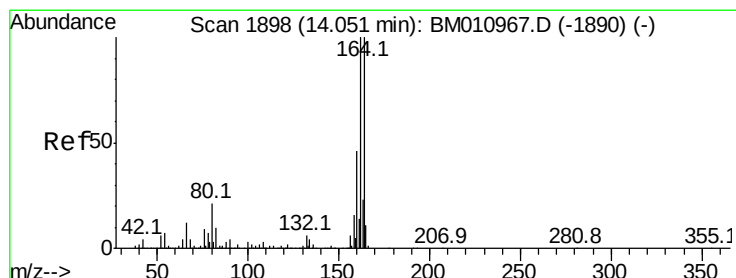
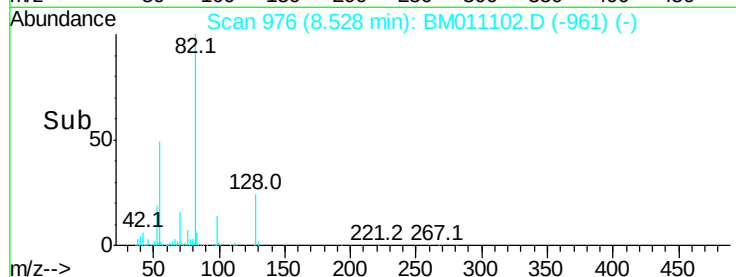
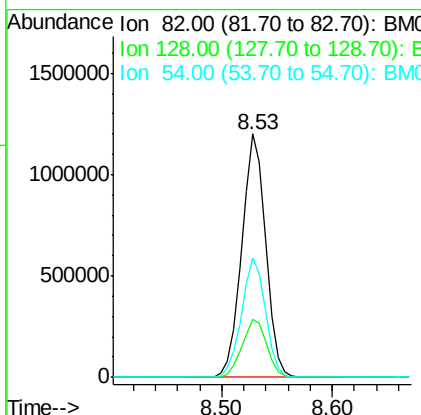
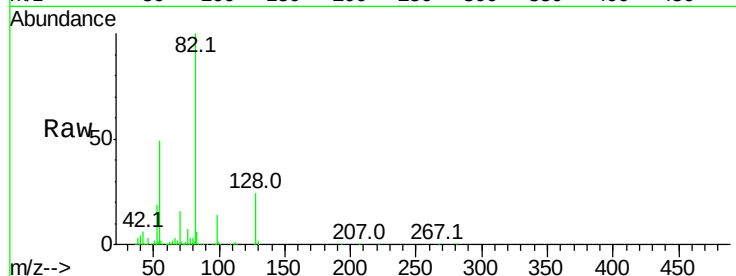




#23
 Nitrobenzene-d5
 Concen: 99.081 ng
 RT: 8.53 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: BM011102.D
 Acq: 02 Aug 2017 23:21

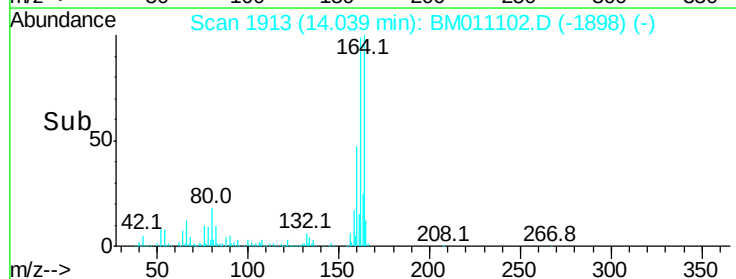
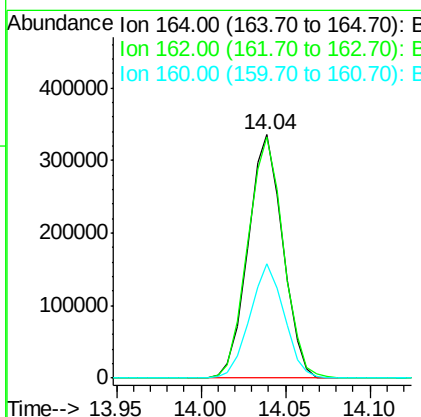
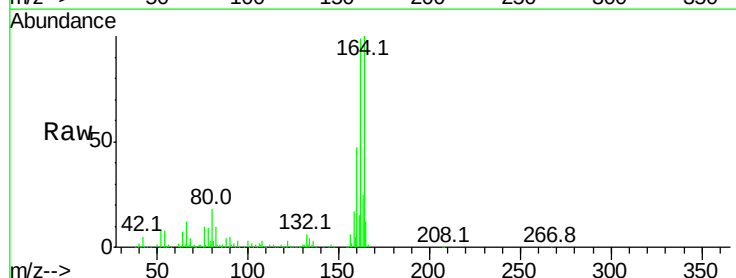
Instrument :
 BNA_M
 ClientSampleId :
 TP-2

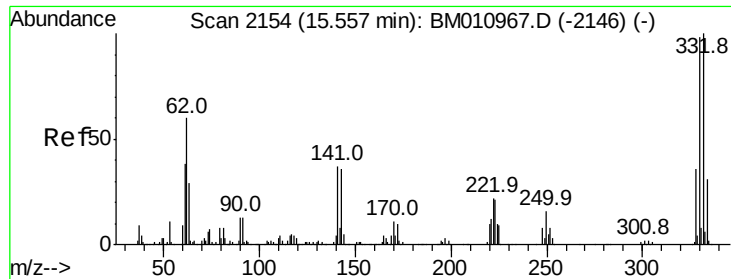
Tot Ion: 82 Resp: 1829646
 Ion Ratio Lower Upper
 82 100
 128 23.9 32.8 49.2#
 54 49.3 40.6 60.8



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.04 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BM011102.D
 Acq: 02 Aug 2017 23:21

Tgt Ion:164 Resp: 480120
 Ion Ratio Lower Upper
 164 100
 162 98.9 82.4 123.6
 160 47.0 35.8 53.6

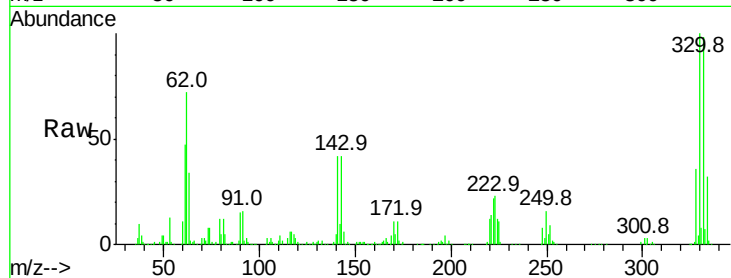




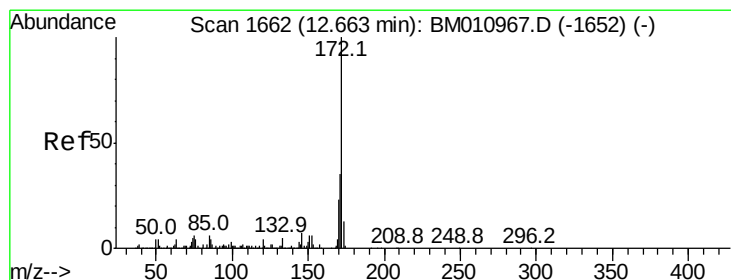
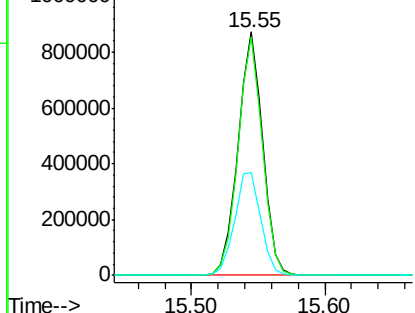
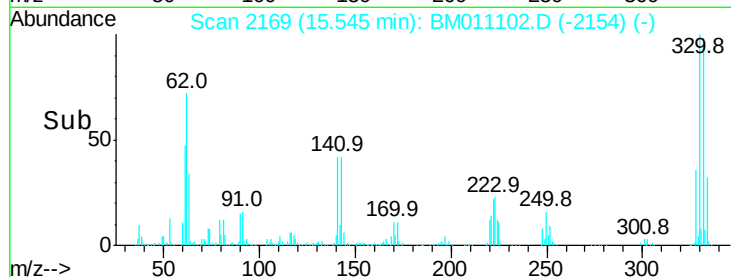
#41
 2,4,6-Tribromophenol
 Concen: 145.244 ng
 RT: 15.55 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BM011102.D
 Acq: 02 Aug 2017 23:21

Instrument :
 BNA_M
 ClientSampled :
 TP-2

Tot Ion:330 Resp: 1117699
 Ion Ratio Lower Upper
 330 100
 332 96.3 0.0 0.0#
 141 45.2 0.0 0.0#

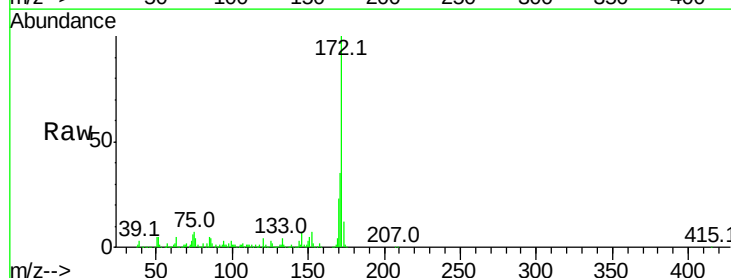


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

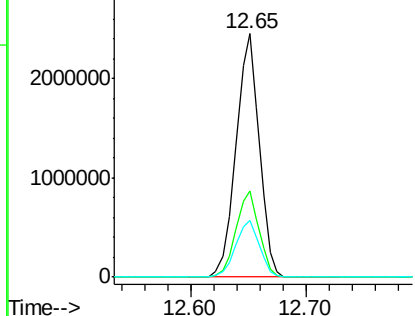
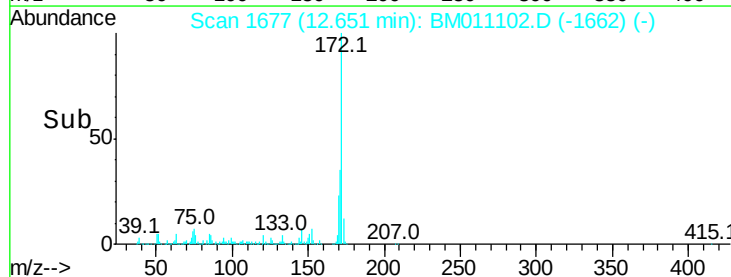


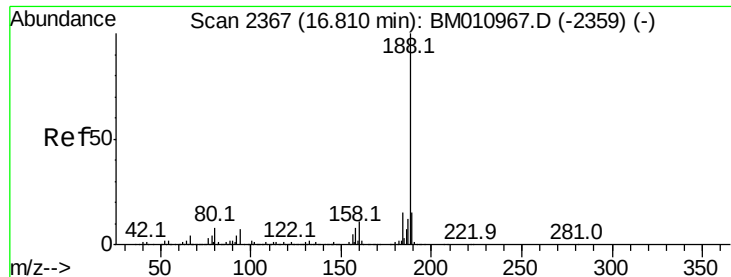
#44
 2-Fluorobiphenyl
 Concen: 88.761 ng
 RT: 12.65 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: BM011102.D
 Acq: 02 Aug 2017 23:21

Tgt Ion:172 Resp: 3398042
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.5 42.7
 170 23.3 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

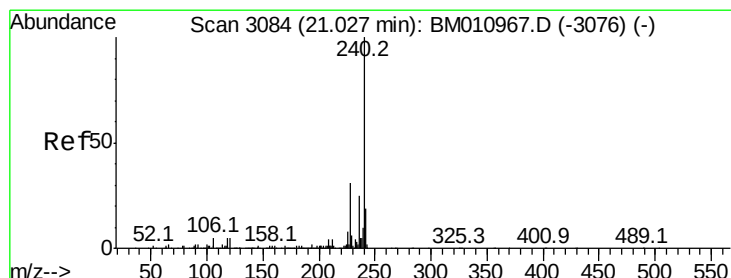
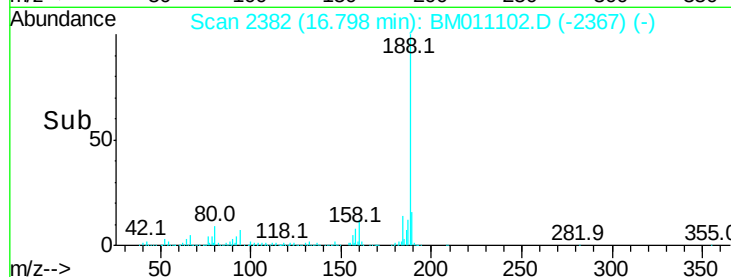
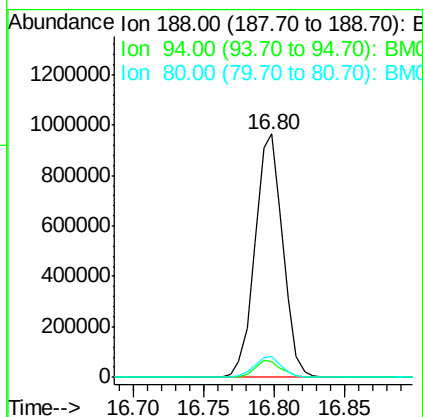
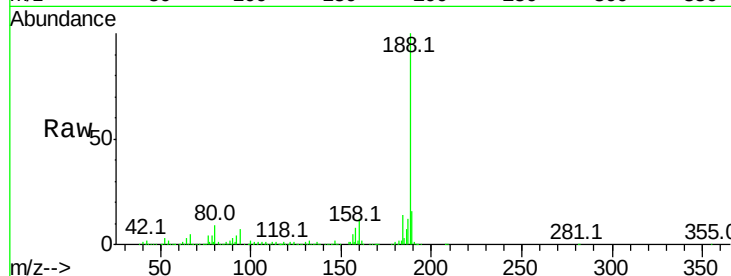




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.80 min Scan# 2382
Delta R.T. -0.01 min
Lab File: BM011102.D
Acq: 02 Aug 2017 23:21

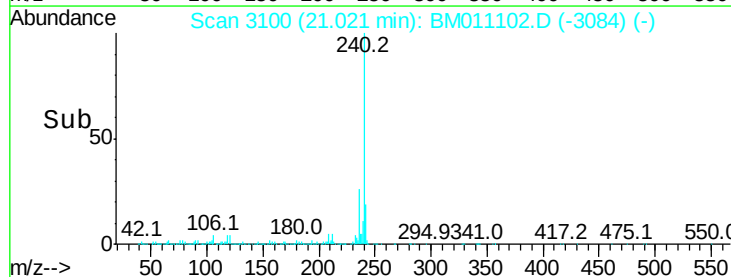
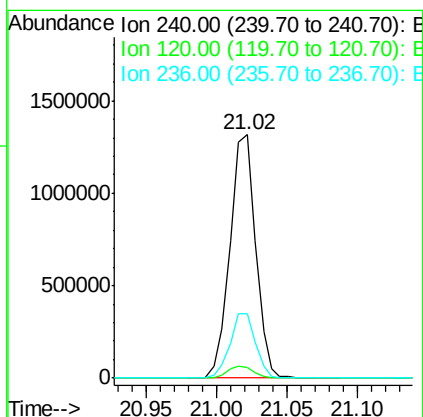
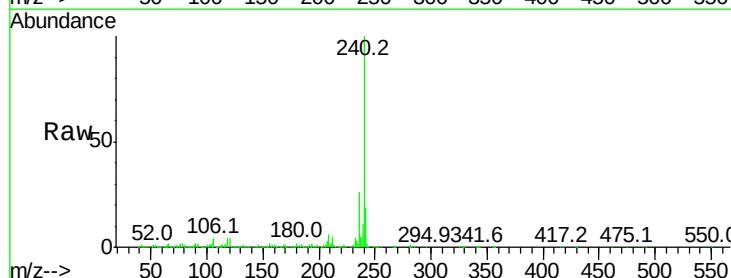
Instrument :
BNA_M
ClientSampleId :
TP-2

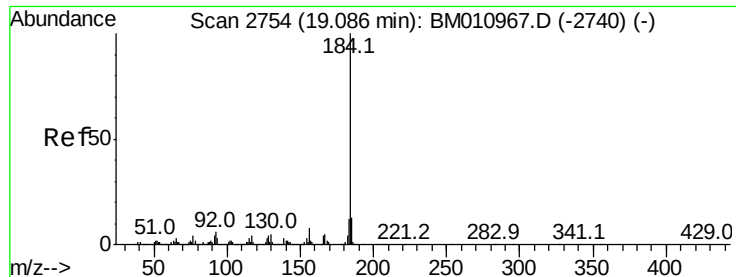
Tot Ion:188 Resp: 1331602
Ion Ratio Lower Upper
188 100
94 6.7 8.7 13.1#
80 8.7 9.3 13.9#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.02 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BM011102.D
Acq: 02 Aug 2017 23:21

Tgt Ion:240 Resp: 1678286
Ion Ratio Lower Upper
240 100
120 4.5 8.2 12.2#
236 26.4 20.0 30.0





#76

Benzidine

Concen: 14.848 ng

RT: 19.08 min Scan# 2770

Delta R.T. -0.01 min

Lab File: BM011102.D

Acq: 02 Aug 2017 23:21

Instrument :

BNA_M

ClientSampled :

TP-2

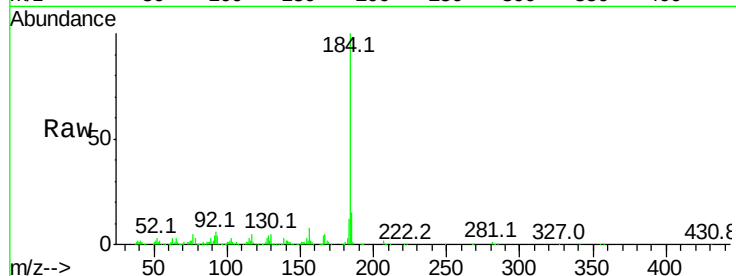
Tot Ion:184 Resp: 596151

Ion Ratio Lower Upper

184 100

185 15.2 11.3 16.9

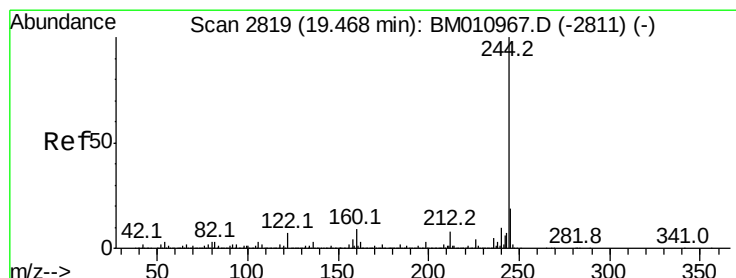
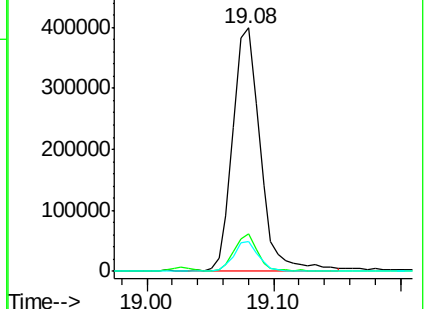
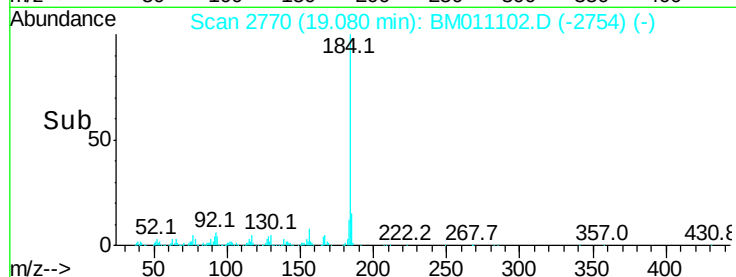
183 12.1 8.9 13.3



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: 81.273 ng

RT: 19.46 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM011102.D

Acq: 02 Aug 2017 23:21

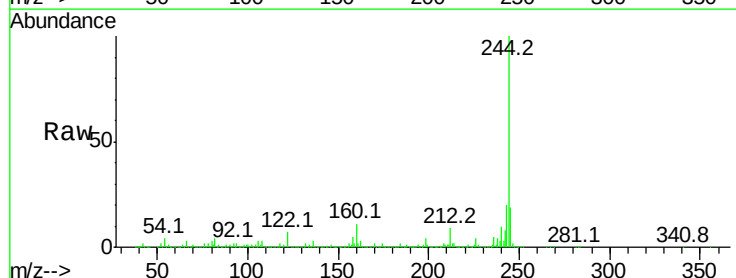
Tgt Ion:244 Resp: 6885858

Ion Ratio Lower Upper

244 100

212 8.8 4.9 7.3#

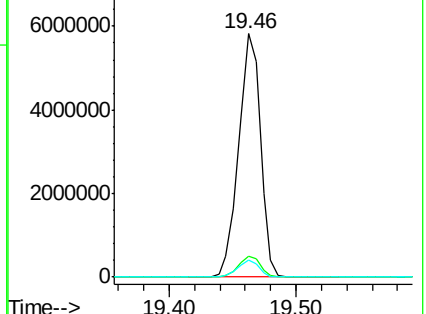
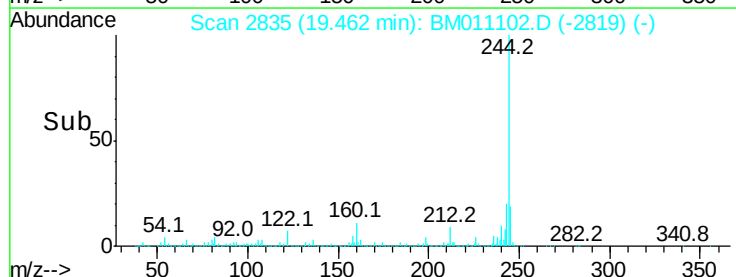
122 7.2 6.2 9.4

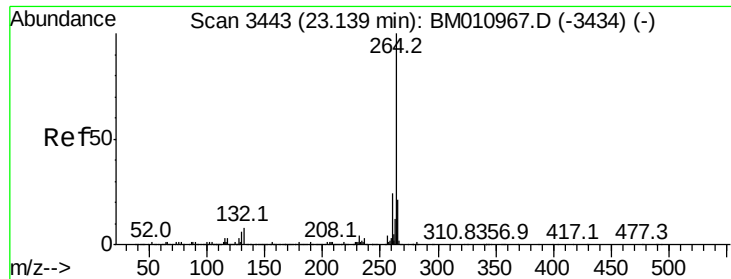


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3459
 Delta R.T. -0.01 min
 Lab File: BM011102.D
 Acq: 02 Aug 2017 23:21

Instrument :
 BNA_M
 ClientSampleId :
 TP-2

Tot Ion:264 Resp: 1450929
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 27.8
 265 21.9 17.3 25.9

