

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080117\
 Data File : BM011080.D
 Acq On : 01 Aug 2017 13:49
 Operator : SJ/JU
 Sample : I4476-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-8-LENOX-AVE

Quant Time: Aug 01 16:26:23 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

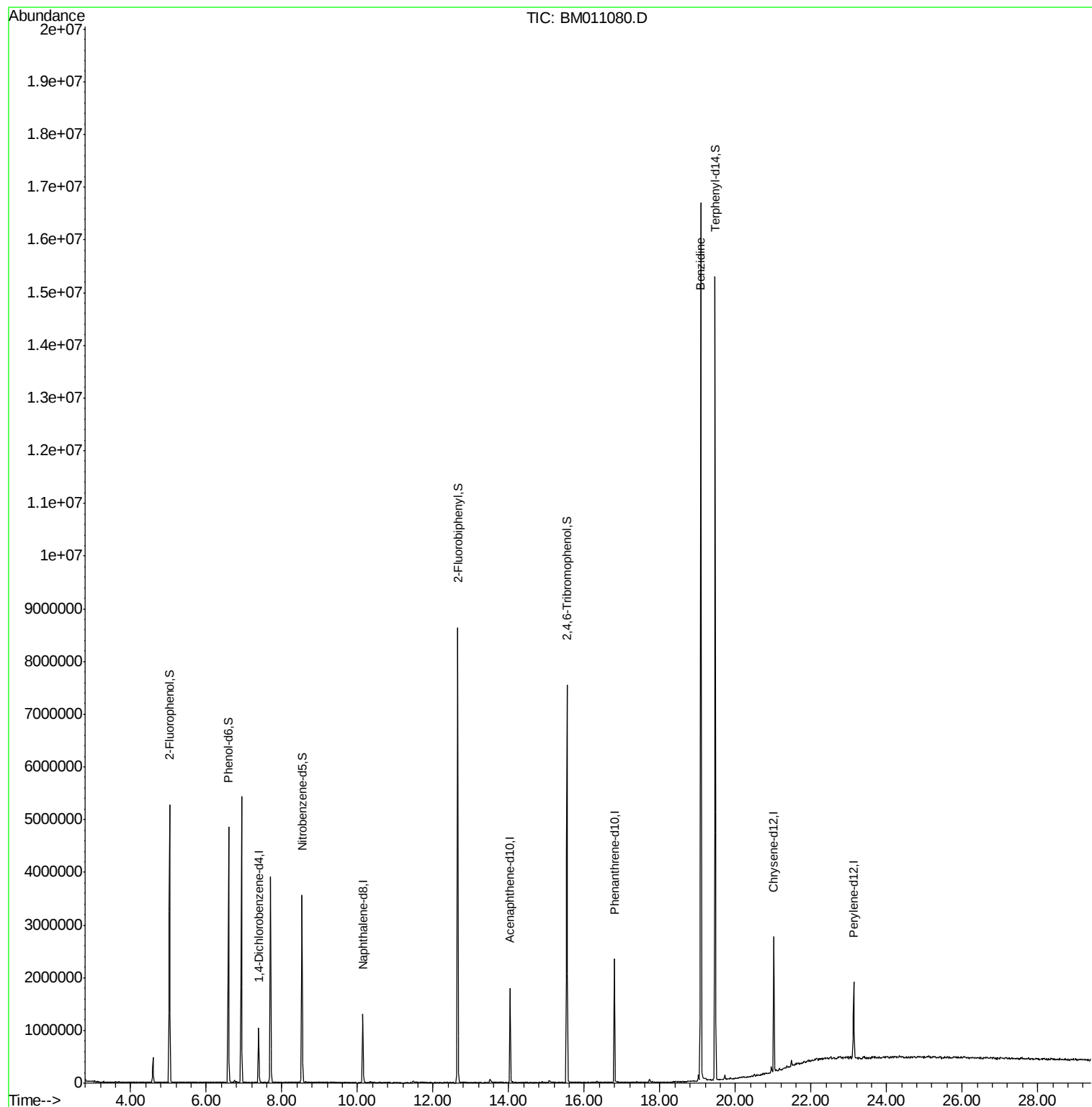
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	203640	20.00	ng	-0.01
21) Naphthalene-d8	10.14	136	779398	20.00	ng	-0.01
38) Acenaphthene-d10	14.04	164	503284	20.00	ng	-0.01
63) Phenanthrene-d10	16.80	188	1203693	20.00	ng	-0.01
75) Chrysene-d12	21.02	240	1210042	20.00	ng	-0.01
86) Perylene-d12	23.13	264	1026389	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	1600847	132.89	ng	0.00
7) Phenol-d6	6.59	99	2108665	123.20	ng	0.00
23) Nitrobenzene-d5	8.53	82	2026018	97.56	ng	-0.01
41) 2,4,6-Tribromophenol	15.54	330	1054882	130.77	ng	-0.01
44) 2-Fluorobiphenyl	12.65	172	3616058	90.11	ng	-0.01
78) Terphenyl-d14	19.46	244	5681245	93.00	ng	0.00
Target Compounds						
76) Benzidine	19.09	184	7864189	271.670	ng	Qvalue 99

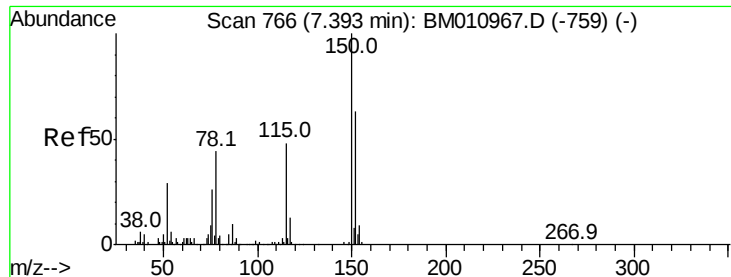
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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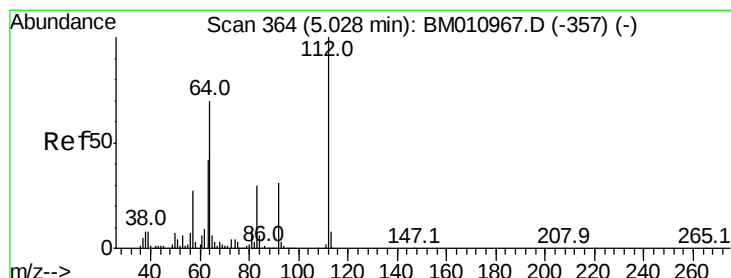
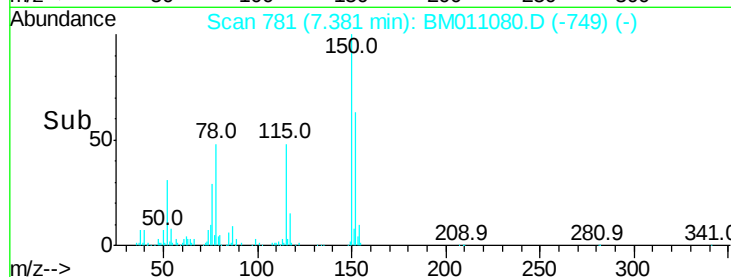
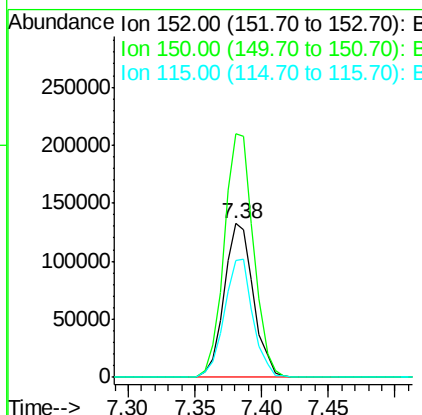
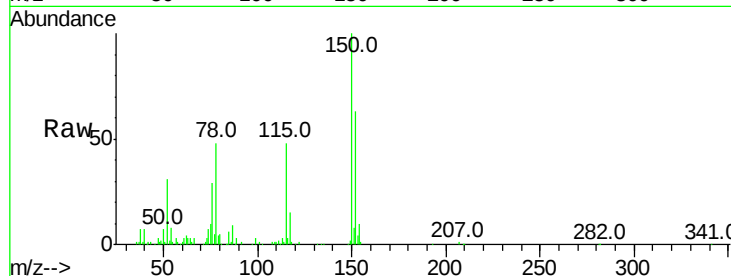


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.38 min Scan# 781
Delta R.T. -0.01 min
Lab File: BM011080.D
Acq: 01 Aug 2017 13:49

Instrument :
BNA_M
ClientSampleId :
TP-8-LENOX-AVE

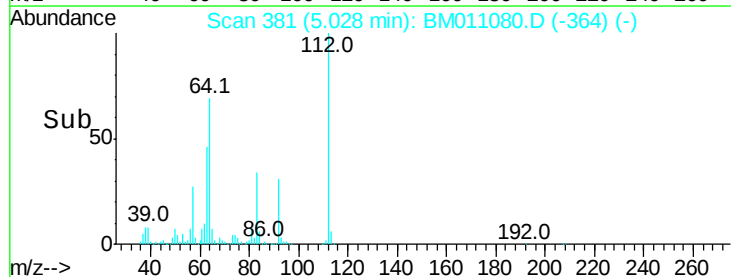
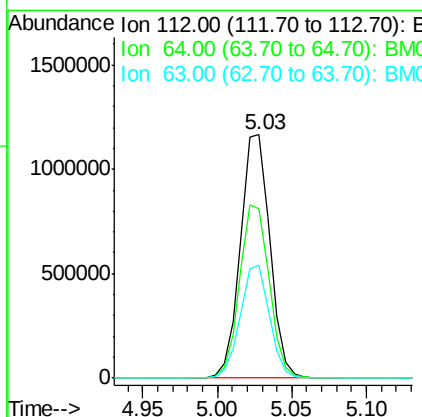
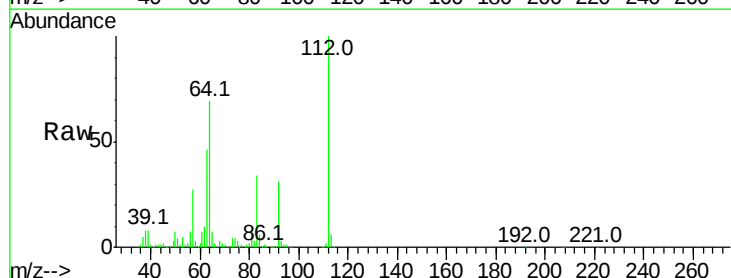
Tot Ion:152 Resp: 203640
Ion Ratio Lower Upper
152 100
150 158.6 119.5 179.3
115 75.9 43.0 64.4#

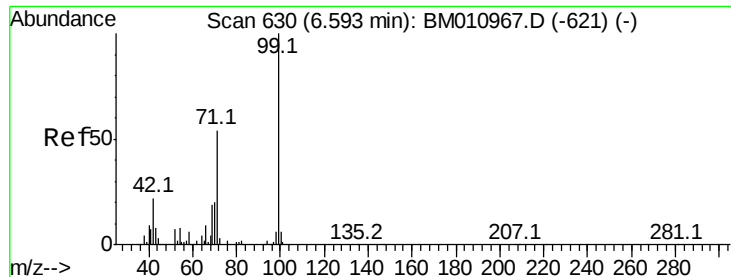


#5

2-Fluorophenol
Concen: 132.888 ng
RT: 5.03 min Scan# 381
Delta R.T. 0.00 min
Lab File: BM011080.D
Acq: 01 Aug 2017 13:49

Tgt Ion:112 Resp: 1600847
Ion Ratio Lower Upper
112 100
64 69.4 38.6 57.8#
63 46.2 19.3 28.9#





#7

Phenol-d6

Concen: 123.199 ng

RT: 6.59 min Scan# 646

Delta R.T. -0.01 min

Lab File: BM011080.D

Acq: 01 Aug 2017 13:49

Instrument :

BNA_M

ClientSampleId :

TP-8-LENOX-AVE

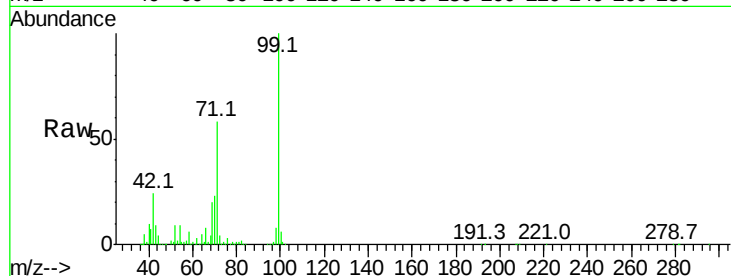
Tot Ion: 99 Resp: 2108665

Ion Ratio Lower Upper

99 100

42 23.6 11.0 16.4#

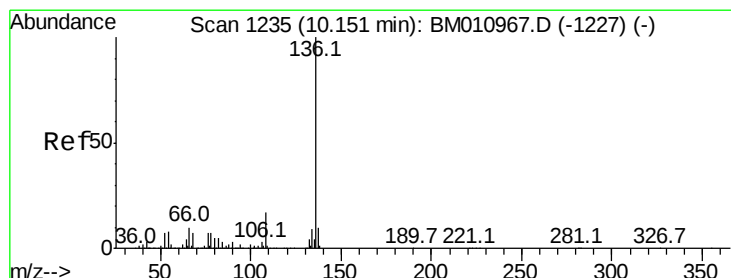
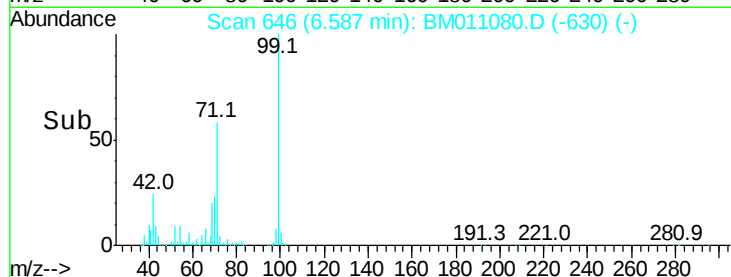
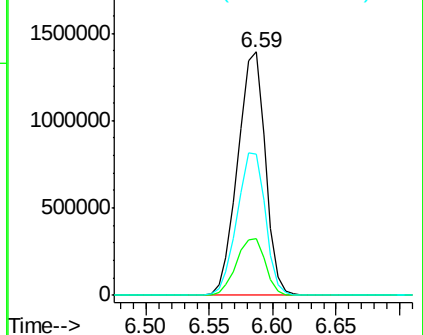
71 57.9 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011080.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM011080.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM011080.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.14 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BM011080.D

Acq: 01 Aug 2017 13:49

Tgt Ion: 136 Resp: 779398

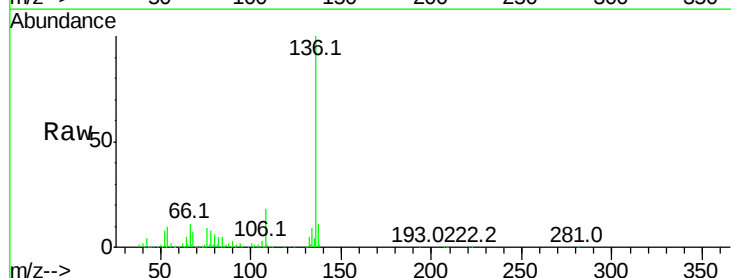
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 10.1 4.6 6.8#

68 6.7 3.7 5.5#

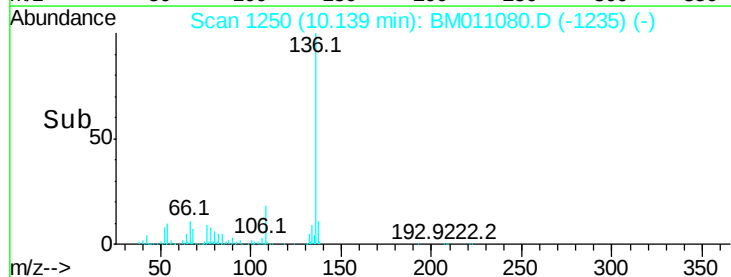
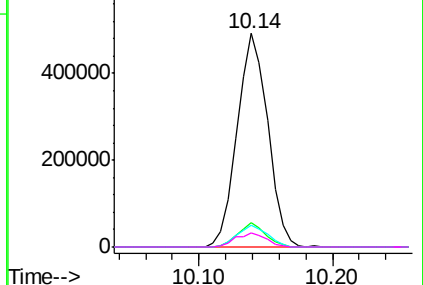


Abundance Ion 136.00 (135.70 to 136.70): BM011080.D (-1235) (-)

Ion 137.00 (136.70 to 137.70): BM011080.D (-1235) (-)

Ion 54.00 (53.70 to 54.70): BM011080.D (-1235) (-)

Ion 68.00 (67.70 to 68.70): BM011080.D (-1235) (-)





#23

Nitrobenzene-d5

Concen: 97.562 ng

RT: 8.53 min Scan# 976

Delta R.T. -0.01 min

Lab File: BM011080.D

Acq: 01 Aug 2017 13:49

Instrument :

BNA_M

ClientSampleId :

TP-8-LENOX-AVE

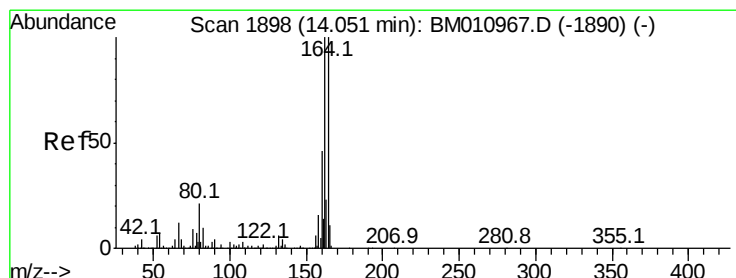
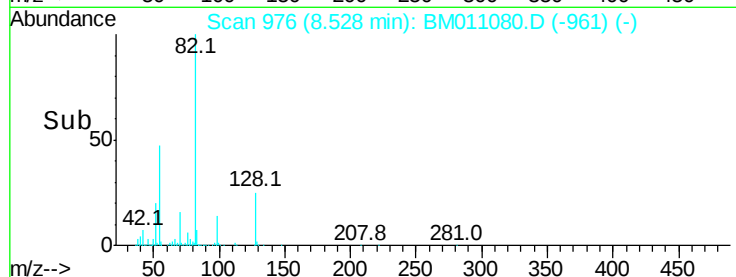
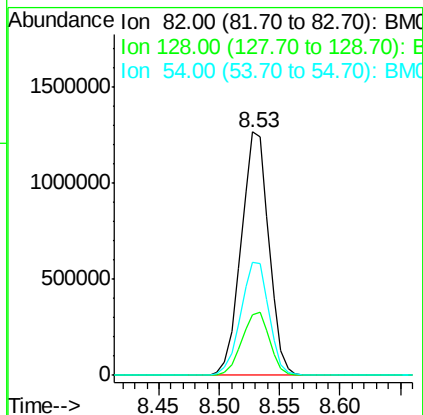
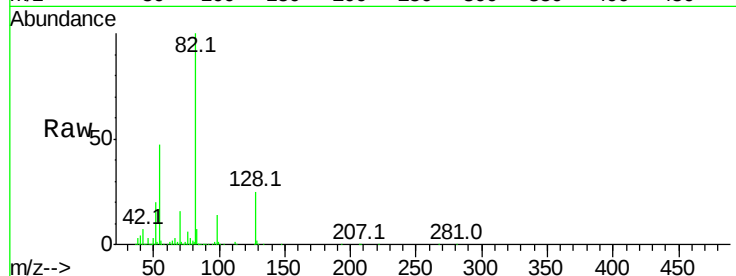
Tot Ion: 82 Resp: 2026018

Ion Ratio Lower Upper

82 100

128 25.1 32.8 49.2#

54 46.6 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: BM011080.D

Acq: 01 Aug 2017 13:49

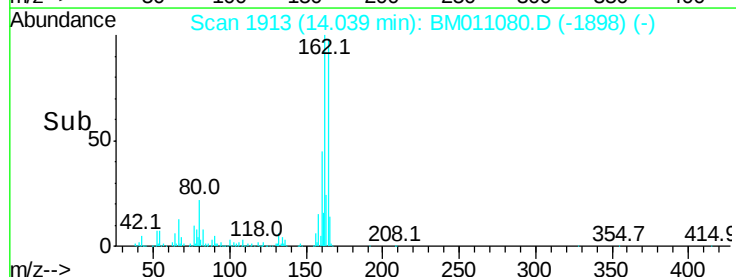
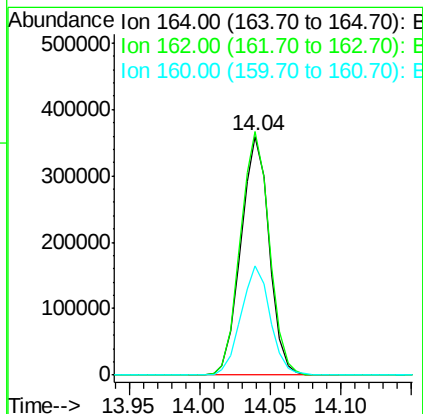
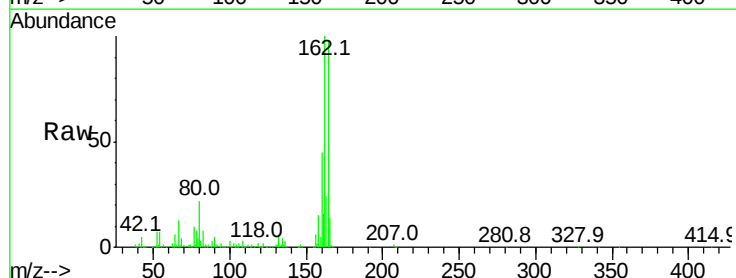
Tgt Ion:164 Resp: 503284

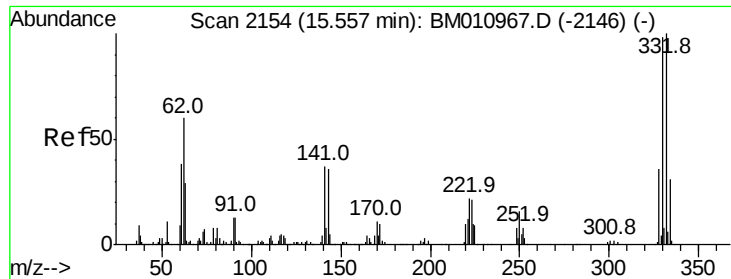
Ion Ratio Lower Upper

164 100

162 102.1 82.4 123.6

160 46.0 35.8 53.6

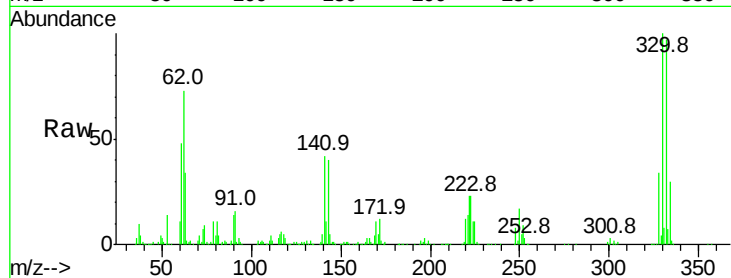




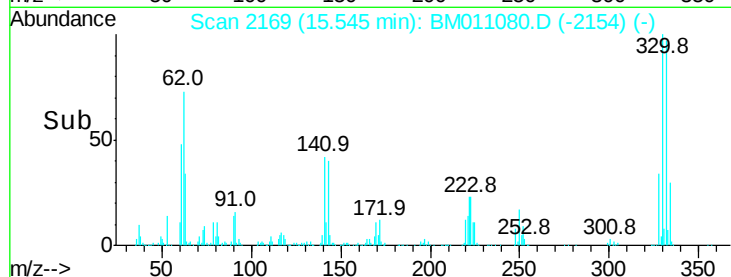
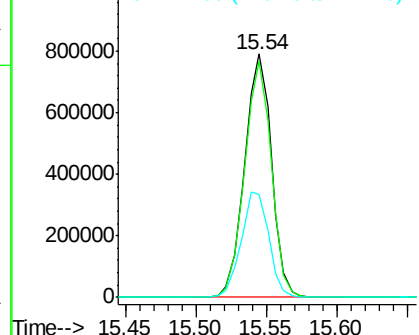
#41
 2,4,6-Tribromophenol
 Concen: 130.772 ng
 RT: 15.54 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BM011080.D
 Acq: 01 Aug 2017 13:49

Instrument :
 BNA_M
 ClientSampleId :
 TP-8-LENOX-AVE

Tot Ion:330 Resp: 1054882
 Ion Ratio Lower Upper
 330 100
 332 96.3 0.0 0.0#
 141 44.5 0.0 0.0#

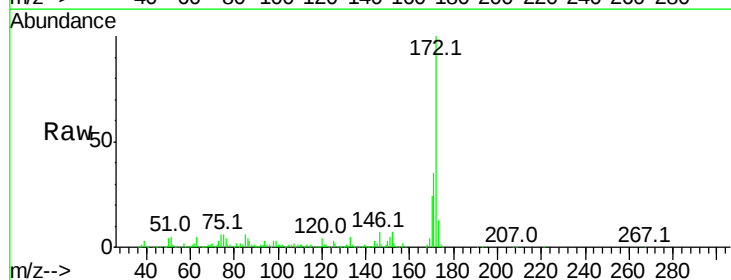


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

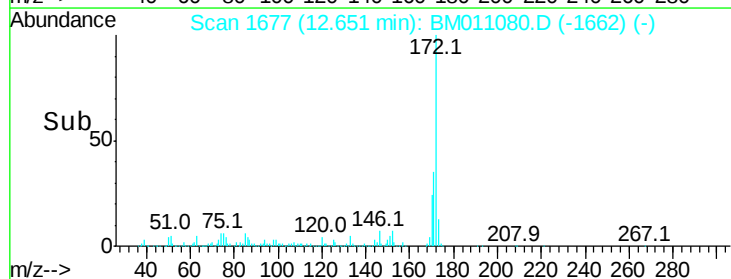
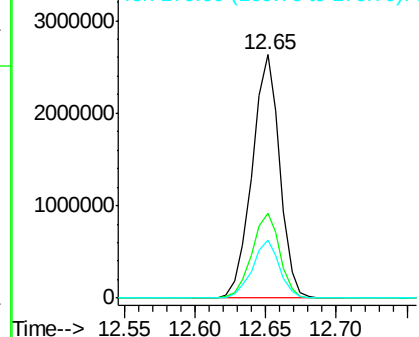


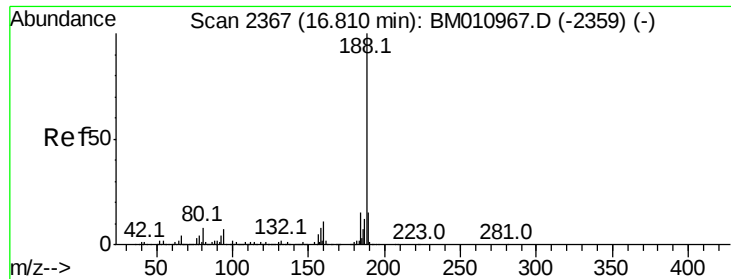
#44
 2-Fluorobiphenyl
 Concen: 90.109 ng
 RT: 12.65 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: BM011080.D
 Acq: 01 Aug 2017 13:49

Tgt Ion:172 Resp: 3616058
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.5 42.7
 170 23.8 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: BM011080.D

Acq: 01 Aug 2017 13:49

Instrument :

BNA_M

ClientSampleId :

TP-8-LENOX-AVE

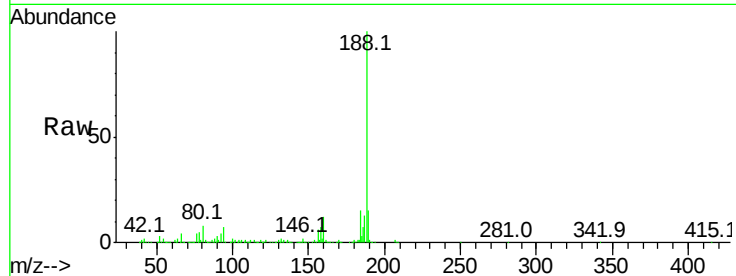
Tot Ion:188 Resp: 1203693

Ion Ratio Lower Upper

188 100

94 7.2 8.7 13.1#

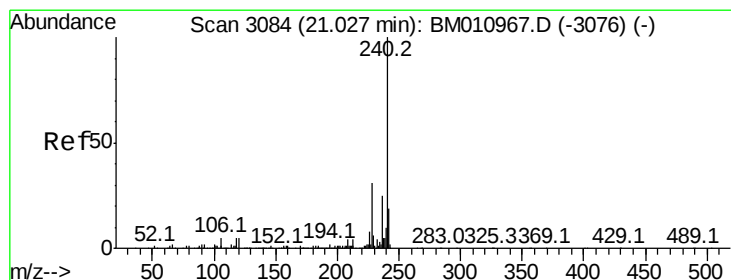
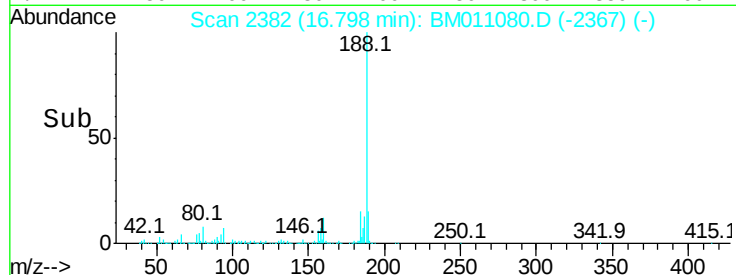
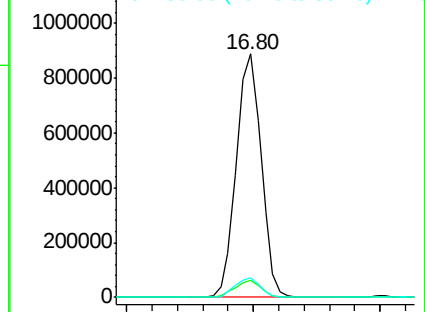
80 8.0 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.02 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM011080.D

Acq: 01 Aug 2017 13:49

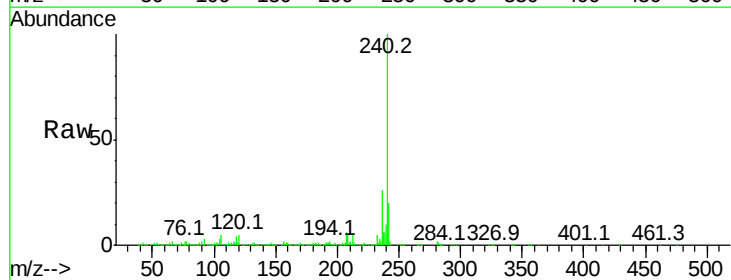
Tgt Ion:240 Resp: 1210042

Ion Ratio Lower Upper

240 100

120 5.1 8.2 12.2#

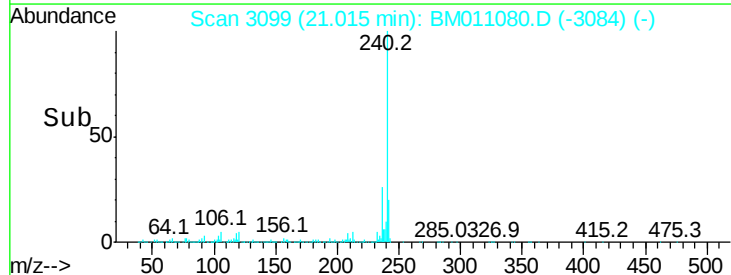
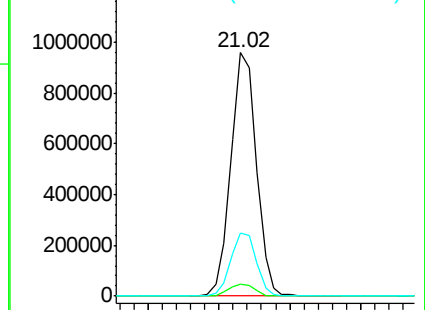
236 26.0 20.0 30.0

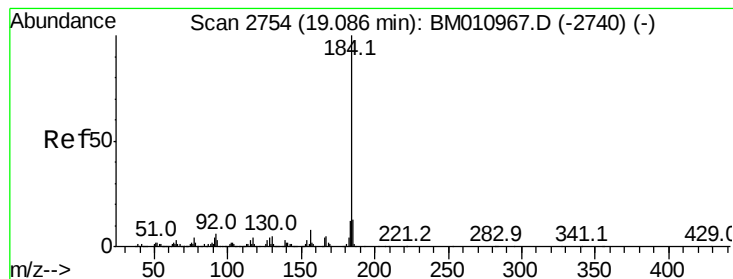


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 271.670 ng

RT: 19.09 min Scan# 2771

Delta R.T. -0.00 min

Lab File: BM011080.D

Acq: 01 Aug 2017 13:49

Instrument :

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TP-8-LENOX-AVE

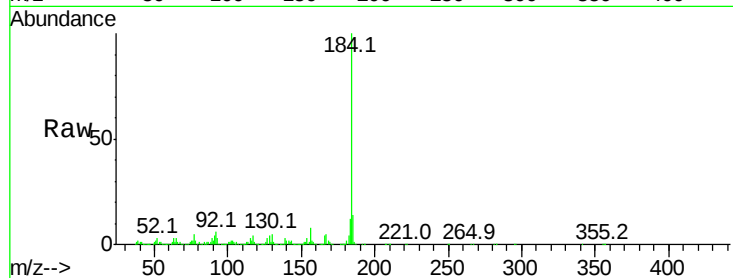
Tot Ion:184 Resp: 7864189

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.3	16.9
183	11.8	8.9	13.3

184 100

185 13.9 11.3 16.9

183 11.8 8.9 13.3

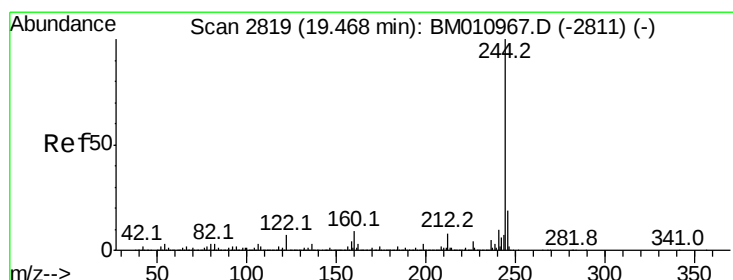
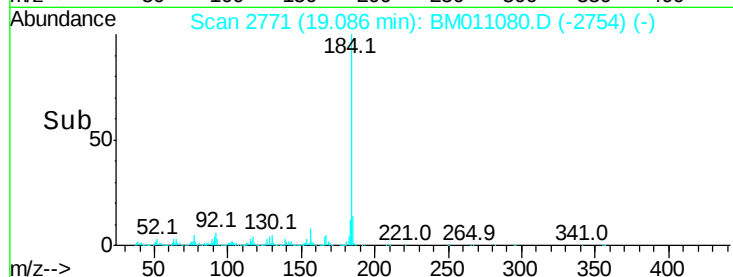
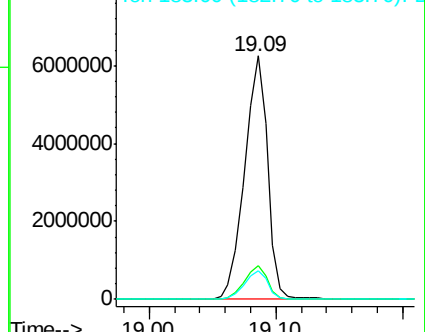


Abundance

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: 93.003 ng

RT: 19.46 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM011080.D

Acq: 01 Aug 2017 13:49

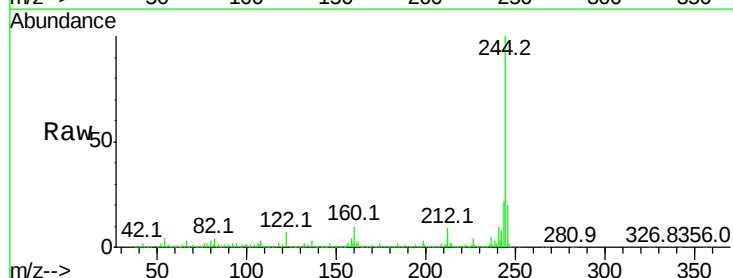
Tgt Ion:244 Resp: 5681245

Ion	Ratio	Lower	Upper
244	100		
212	8.7	4.9	7.3#
122	6.6	6.2	9.4

244 100

212 8.7 4.9 7.3#

122 6.6 6.2 9.4

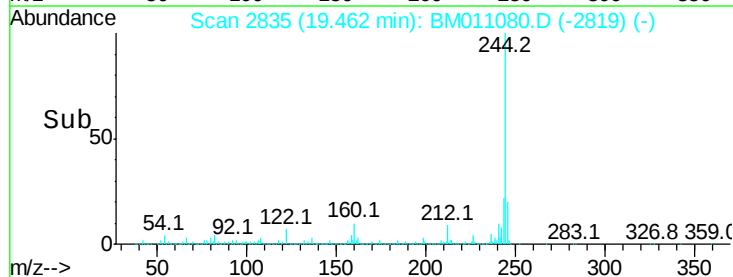
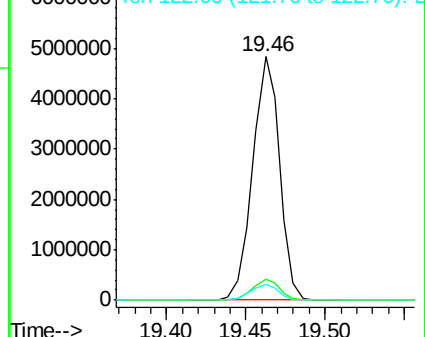


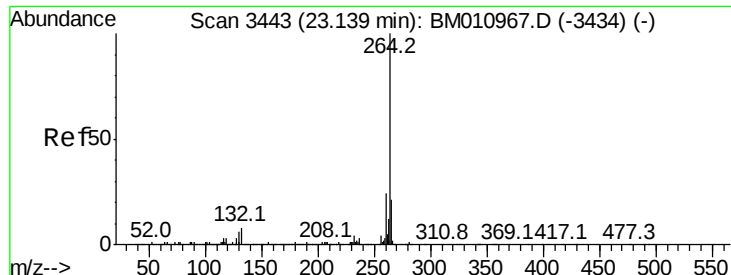
Abundance

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: BM011080.D
 Acq: 01 Aug 2017 13:49

Instrument :
 BNA_M
 ClientSampleId :
 TP-8-LENOX-AVE

Tot Ion:264 Resp: 1026389

Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.6	27.8
265	22.8	17.3	25.9

