

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081717\
 Data File : BM011287.D
 Acq On : 18 Aug 2017 04:35
 Operator : SJ/JU
 Sample : I4853-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LX-2

Quant Time: Aug 18 05:08:44 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 16 02:25:04 2017
 Response via : Initial Calibration

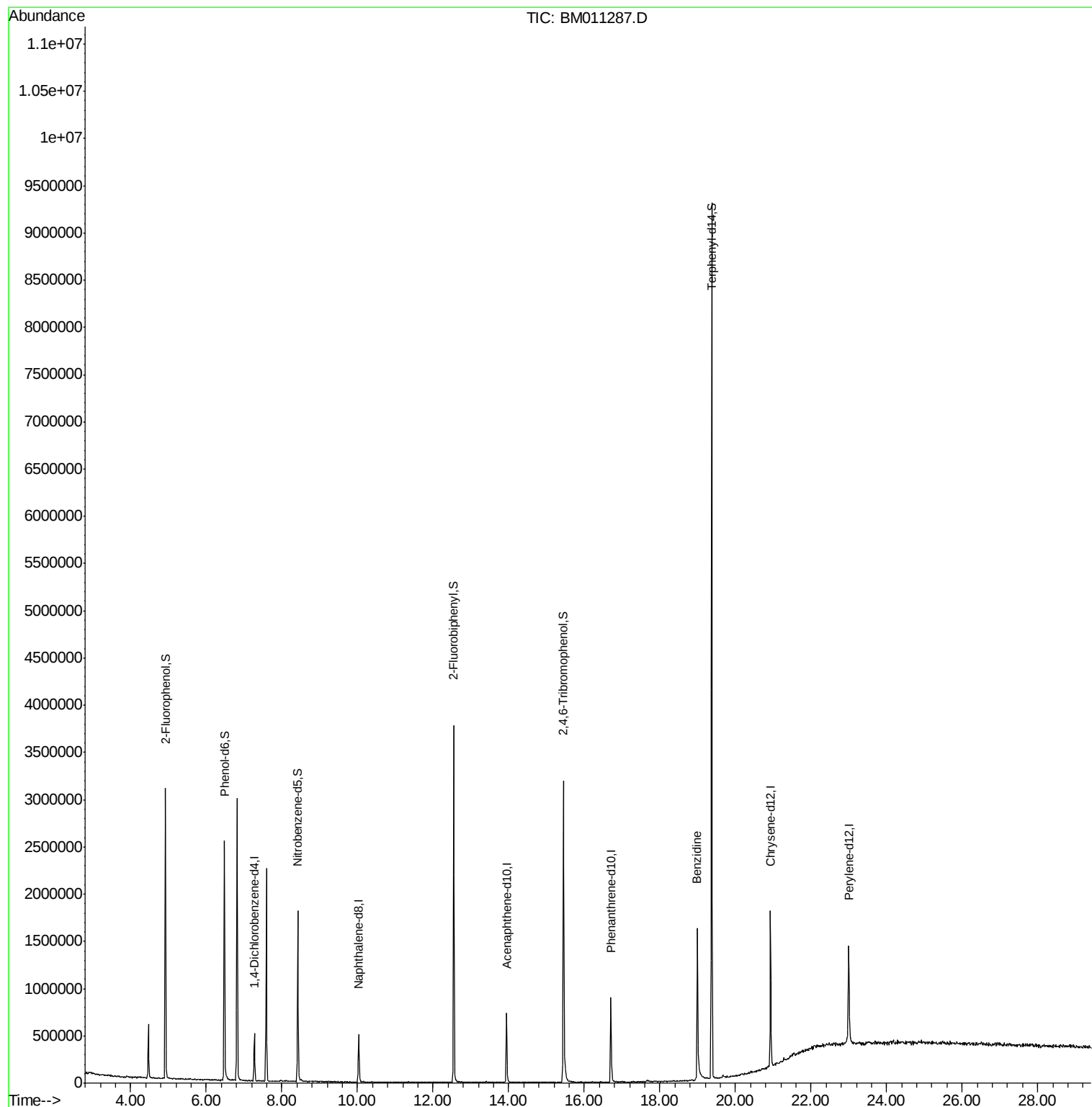
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.27	152	93376	20.00	ng	-0.01
21) Naphthalene-d8	10.03	136	306325	20.00	ng	-0.02
38) Acenaphthene-d10	13.94	164	201883	20.00	ng	-0.01
63) Phenanthrene-d10	16.70	188	542250	20.00	ng	-0.01
75) Chrysene-d12	20.93	240	802986	20.00	ng	-0.02
86) Perylene-d12	23.00	264	752004	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.92	112	779901	141.19	ng	-0.01
7) Phenol-d6	6.48	99	992277	126.43	ng	-0.01
23) Nitrobenzene-d5	8.42	82	1009415	123.68	ng	-0.02
41) 2,4,6-Tribromophenol	15.45	330	468690	144.85	ng	-0.02
44) 2-Fluorobiphenyl	12.55	172	1623208	100.84	ng	-0.02
78) Terphenyl-d14	19.37	244	3341541	82.43	ng	-0.01
Target Compounds						
76) Benzidine	18.99	184	996016	51.850	ng	Qvalue 96

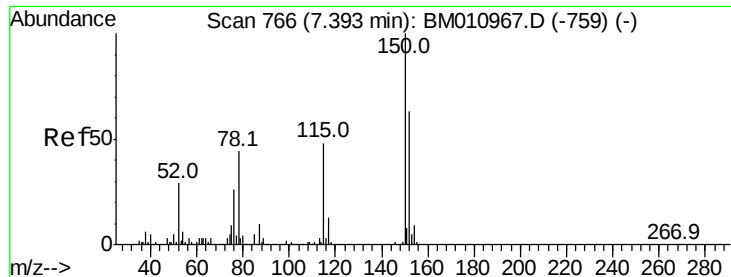
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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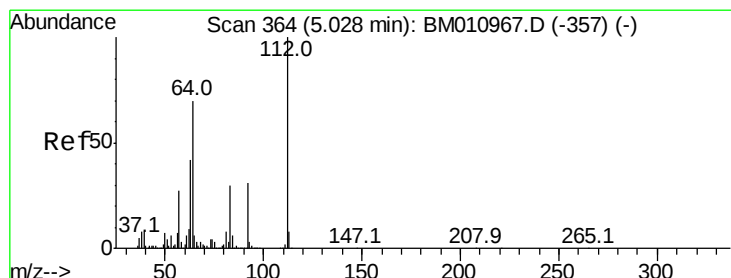
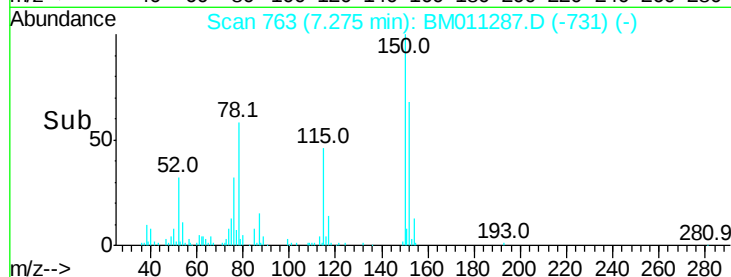
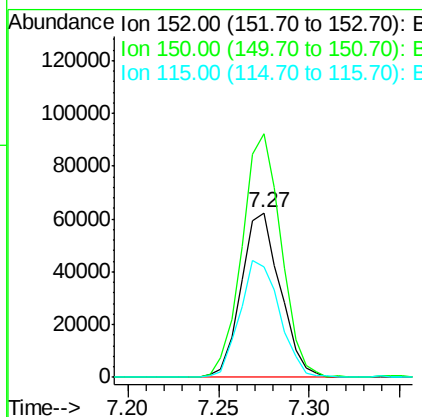
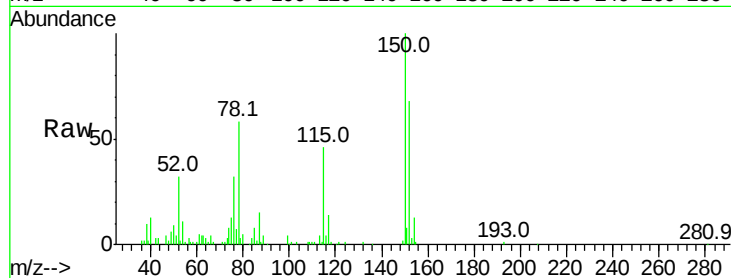


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.27 min Scan# 763
Delta R.T. -0.01 min
Lab File: BM011287.D
Acq: 18 Aug 2017 04:35

Instrument :
BNA_M
ClientSampleId :
LX-2

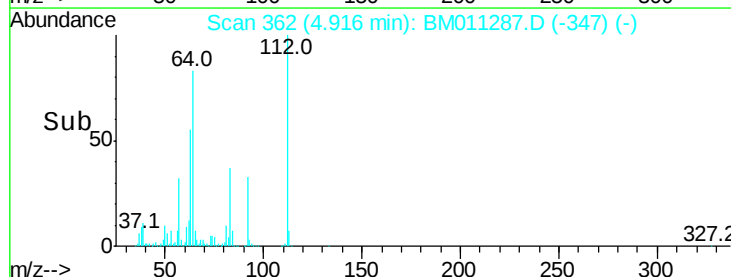
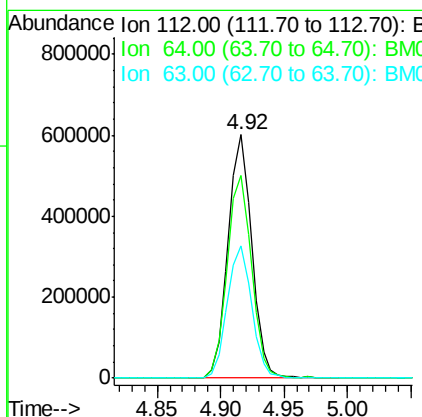
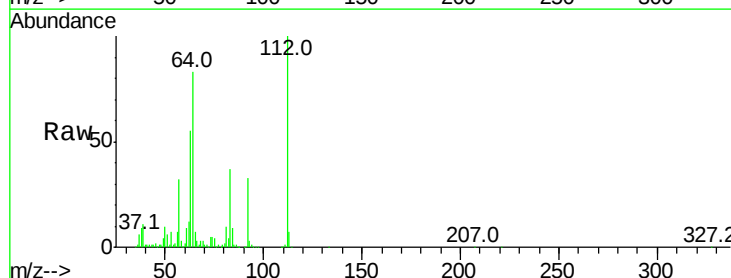
Tot Ion:152 Resp: 93376
Ion Ratio Lower Upper
152 100
150 147.9 119.5 179.3
115 67.4 43.0 64.4#



#5

2-Fluorophenol
Concen: 141.190 ng
RT: 4.92 min Scan# 362
Delta R.T. -0.01 min
Lab File: BM011287.D
Acq: 18 Aug 2017 04:35

Tgt Ion:112 Resp: 779901
Ion Ratio Lower Upper
112 100
64 83.2 38.6 57.8#
63 54.6 19.3 28.9#





#7

Phenol-d6

Concen: 126.433 ng

RT: 6.48 min Scan# 628

Delta R.T. -0.01 min

Lab File: BM011287.D

Acq: 18 Aug 2017 04:35

Instrument :

BNA_M

ClientSampled :

LX-2

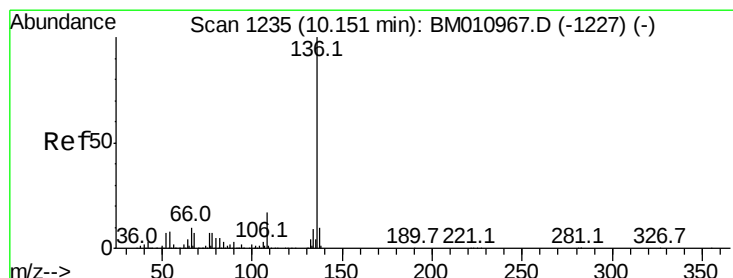
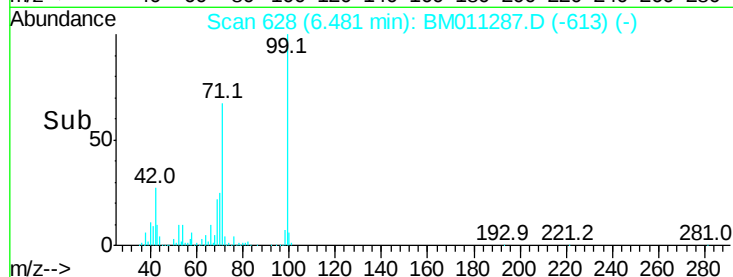
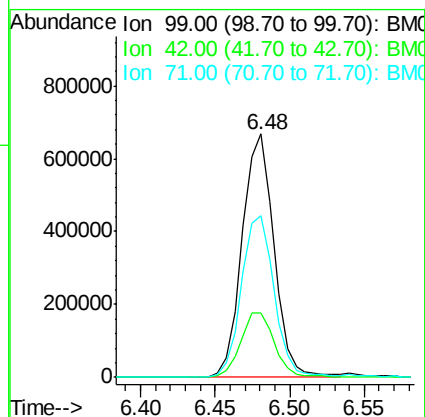
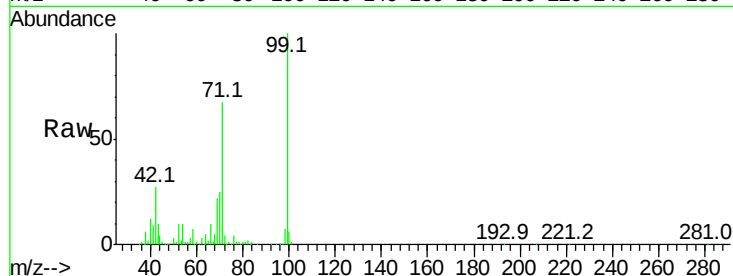
Tot Ion: 99 Resp: 992277

Ion Ratio Lower Upper

99 100

42 26.7 11.0 16.4#

71 66.5 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.03 min Scan# 1231

Delta R.T. -0.02 min

Lab File: BM011287.D

Acq: 18 Aug 2017 04:35

Tgt Ion: 136 Resp: 306325

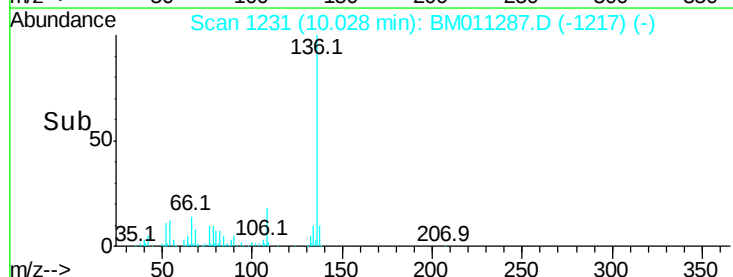
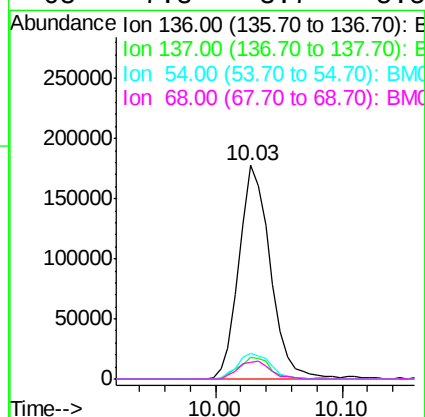
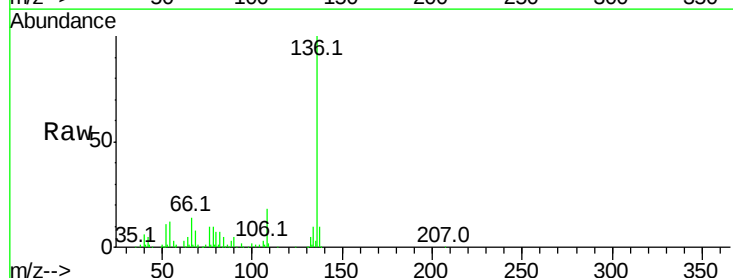
Ion Ratio Lower Upper

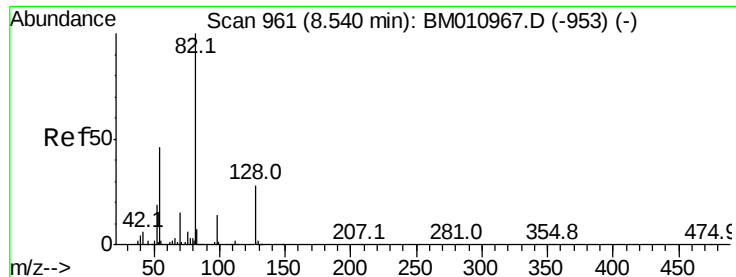
136 100

137 10.2 8.7 13.1

54 12.0 4.6 6.8#

68 7.8 3.7 5.5#

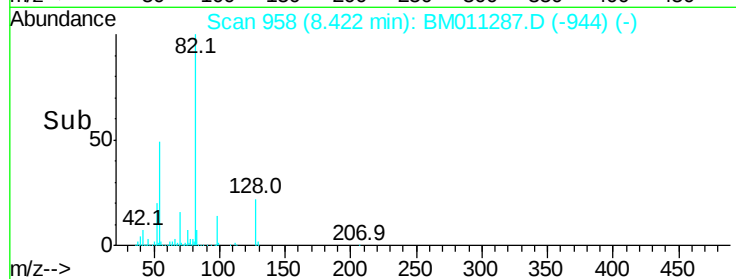
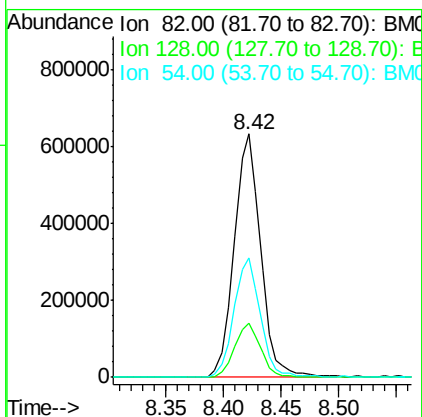
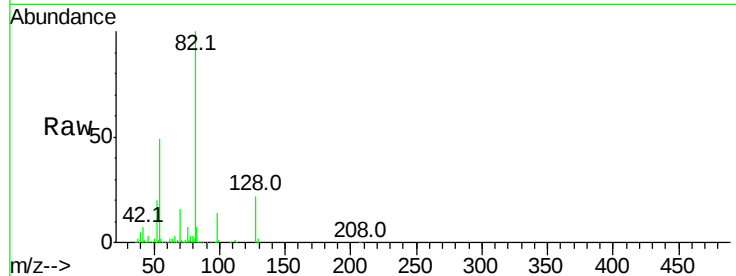




#23
 Nitrobenzene-d5
 Concen: 123.676 ng
 RT: 8.42 min Scan# 958
 Delta R.T. -0.02 min
 Lab File: BM011287.D
 Acq: 18 Aug 2017 04:35

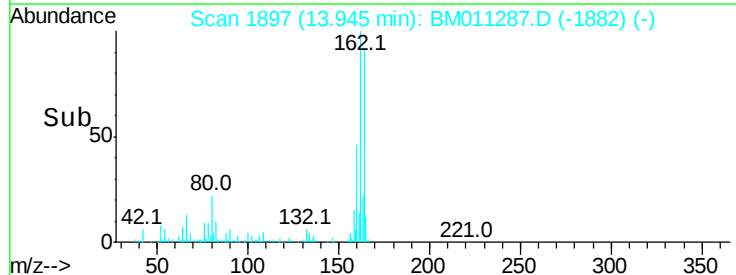
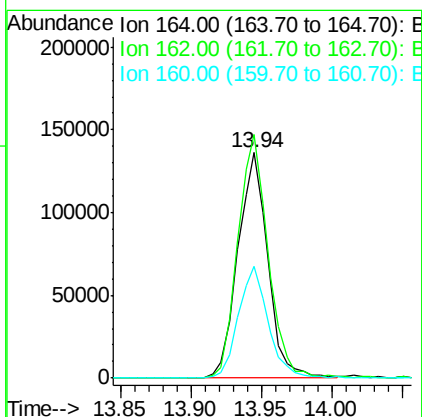
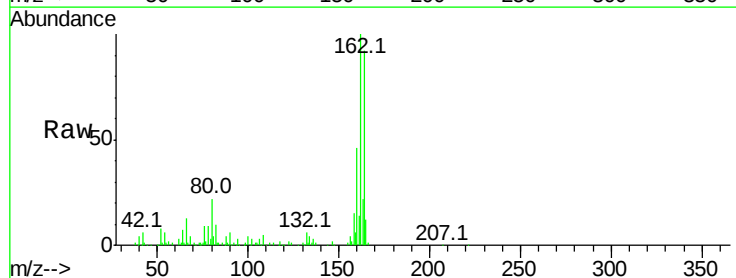
Instrument :
 BNA_M
 ClientSampleId :
 LX-2

Tot Ion: 82 Resp: 1009415
 Ion Ratio Lower Upper
 82 100
 128 22.3 32.8 49.2#
 54 48.9 40.6 60.8



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 13.94 min Scan# 1897
 Delta R.T. -0.01 min
 Lab File: BM011287.D
 Acq: 18 Aug 2017 04:35

Tgt Ion:164 Resp: 201883
 Ion Ratio Lower Upper
 164 100
 162 108.1 82.4 123.6
 160 49.6 35.8 53.6

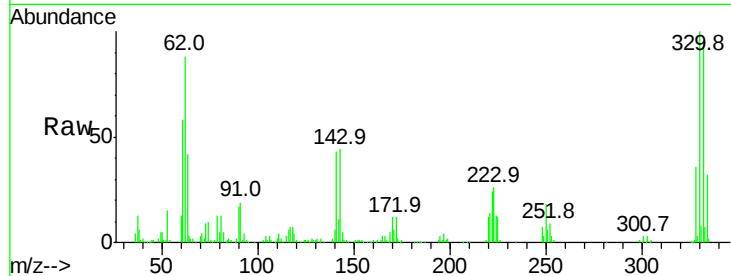




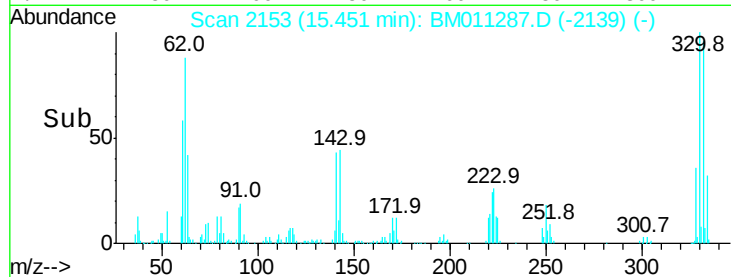
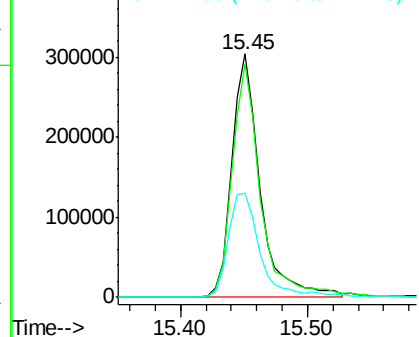
#41
 2,4,6-Tribromophenol
 Concen: 144.847 ng
 RT: 15.45 min Scan# 2153
 Delta R.T. -0.02 min
 Lab File: BM011287.D
 Acq: 18 Aug 2017 04:35

Instrument :
 BNA_M
 ClientSampleId :
 LX-2

Tot Ion:330 Resp: 468690
 Ion Ratio Lower Upper
 330 100
 332 95.2 0.0 0.0#
 141 48.0 0.0 0.0#

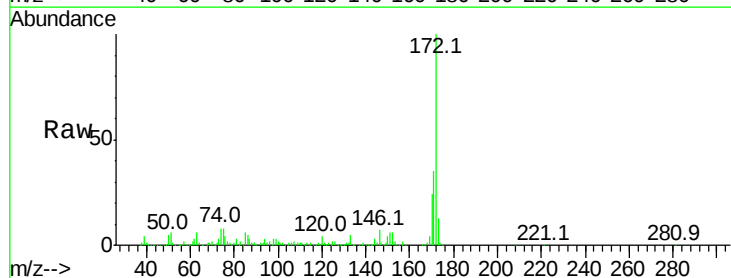


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

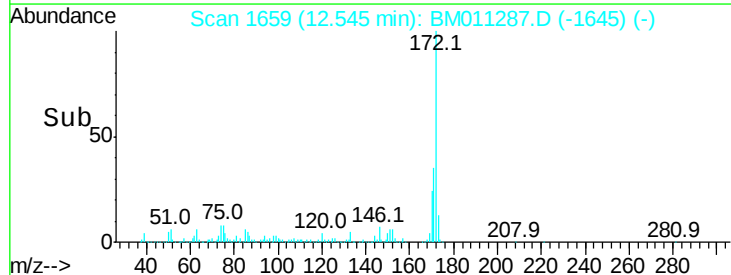
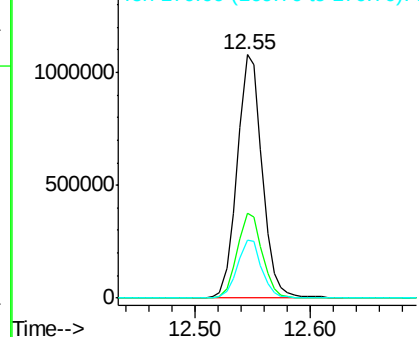


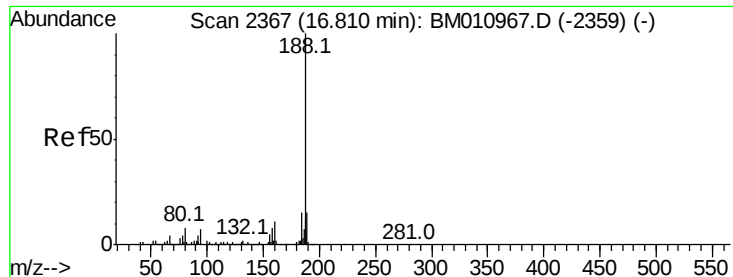
#44
 2-Fluorobiphenyl
 Concen: 100.837 ng
 RT: 12.55 min Scan# 1659
 Delta R.T. -0.02 min
 Lab File: BM011287.D
 Acq: 18 Aug 2017 04:35

Tgt Ion:172 Resp: 1623208
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.5 42.7
 170 23.9 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

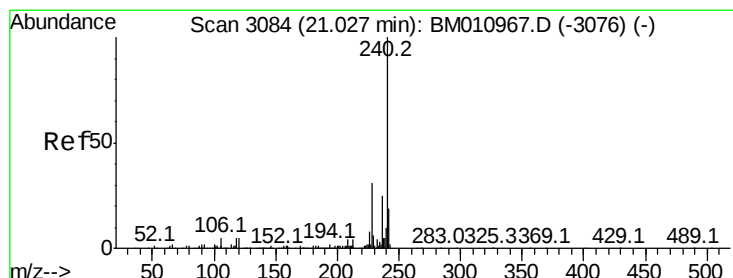
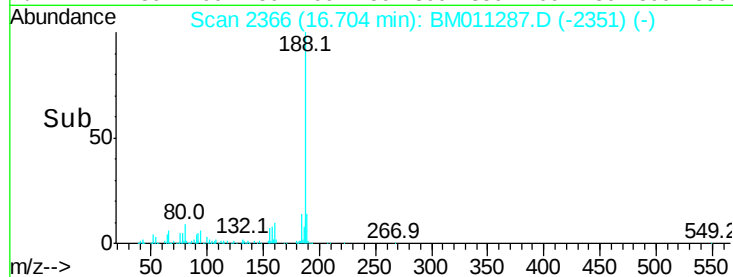
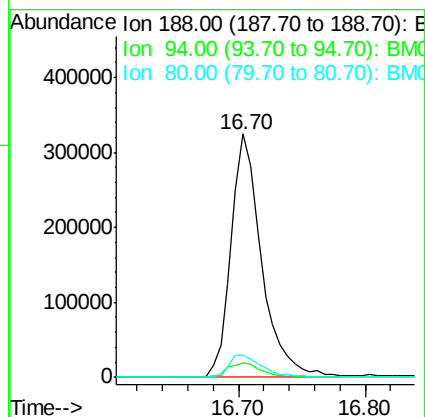
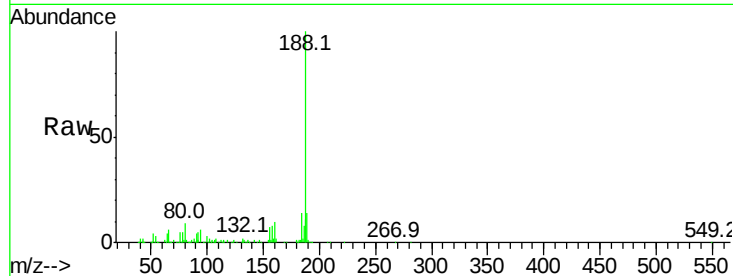




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.70 min Scan# 2366
Delta R.T. -0.01 min
Lab File: BM011287.D
Acq: 18 Aug 2017 04:35

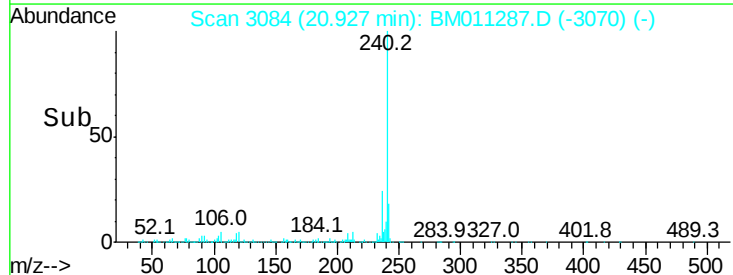
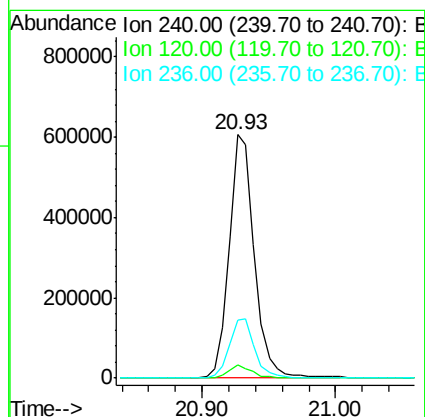
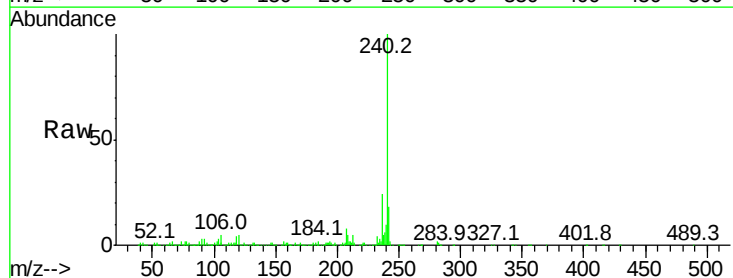
Instrument :
BNA_M
ClientSampleId :
LX-2

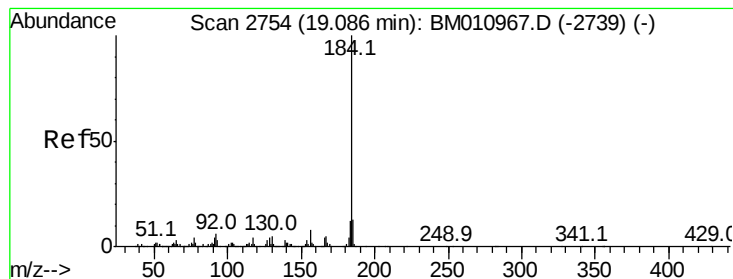
Tot Ion:188 Resp: 542250
Ion Ratio Lower Upper
188 100
94 6.2 8.7 13.1#
80 9.2 9.3 13.9#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 20.93 min Scan# 3084
Delta R.T. -0.02 min
Lab File: BM011287.D
Acq: 18 Aug 2017 04:35

Tgt Ion:240 Resp: 802986
Ion Ratio Lower Upper
240 100
120 5.4 8.2 12.2#
236 23.7 20.0 30.0





#76

Benzidine

Concen: 51.850 ng

RT: 18.99 min Scan# 2755

Delta R.T. -0.02 min

Lab File: BM011287.D

Acq: 18 Aug 2017 04:35

Instrument :

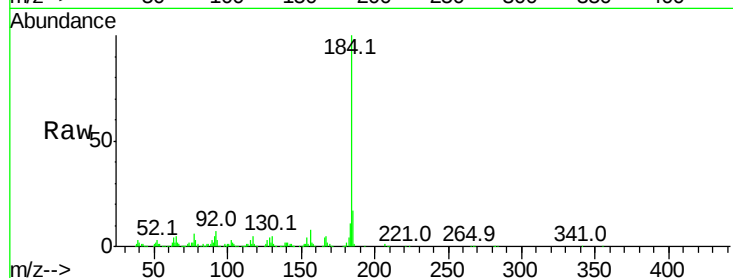
BNA_M

ClientSampleId :

LX-2

Tot Ion:184 Resp: 996016

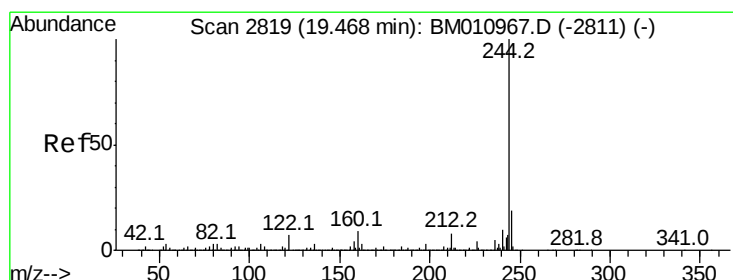
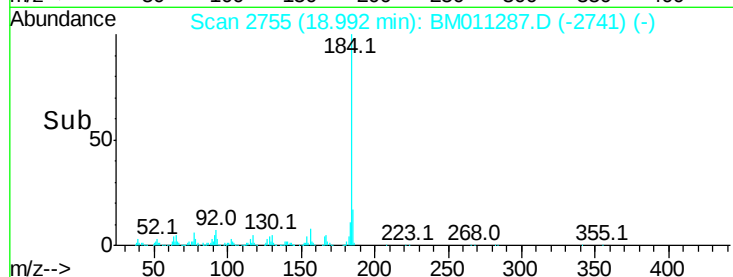
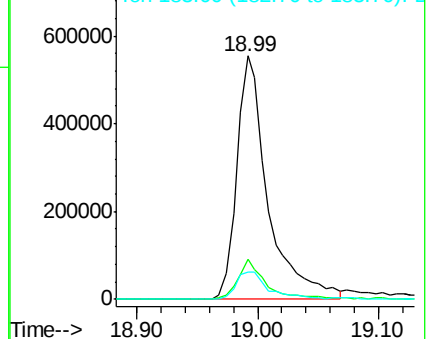
Ion	Ratio	Lower	Upper
184	100		
185	16.7	11.3	16.9
183	11.4	8.9	13.3



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: 82.432 ng

RT: 19.37 min Scan# 2820

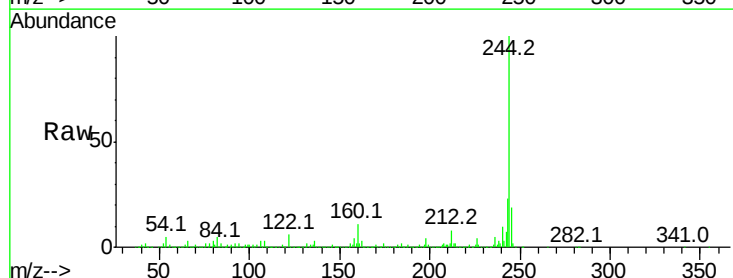
Delta R.T. -0.01 min

Lab File: BM011287.D

Acq: 18 Aug 2017 04:35

Tgt Ion:244 Resp: 3341541

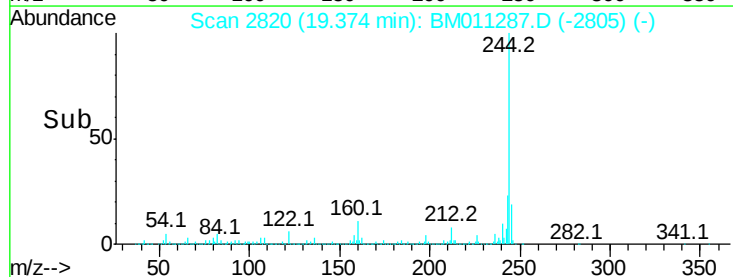
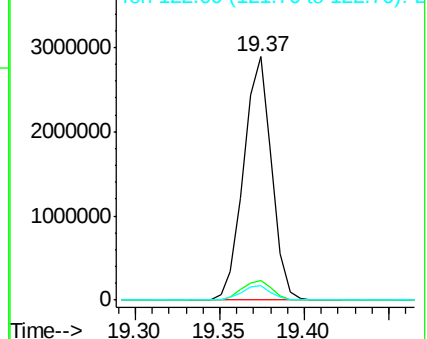
Ion	Ratio	Lower	Upper
244	100		
212	8.2	4.9	7.3#
122	6.1	6.2	9.4#

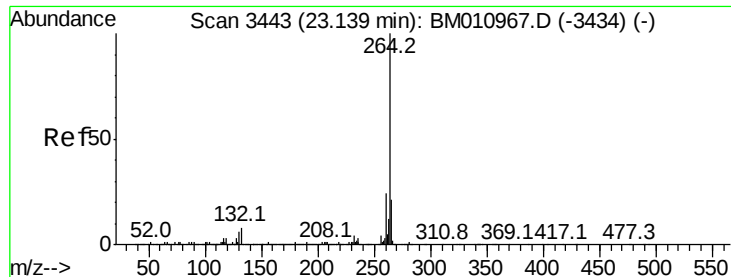


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

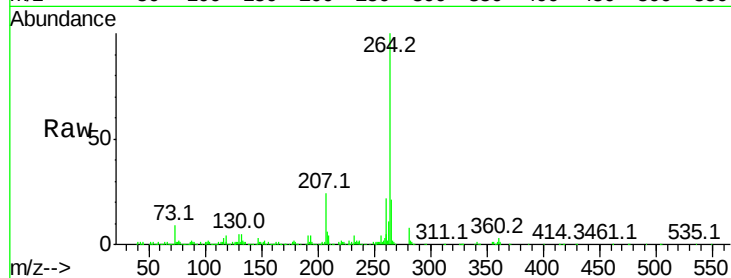




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.00 min Scan# 3436
 Delta R.T. -0.02 min
 Lab File: BM011287.D
 Acq: 18 Aug 2017 04:35

Instrument :
 BNA_M
 ClientSampleId :
 LX-2

Tot Ion:264 Resp: 752004
 Ion Ratio Lower Upper
 264 100
 260 22.1 18.6 27.8
 265 20.9 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

