

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080217\
 Data File : BM011097.D
 Acq On : 02 Aug 2017 16:50
 Operator : SJ/JU
 Sample : I4541-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-220

Quant Time: Aug 03 03:58:14 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

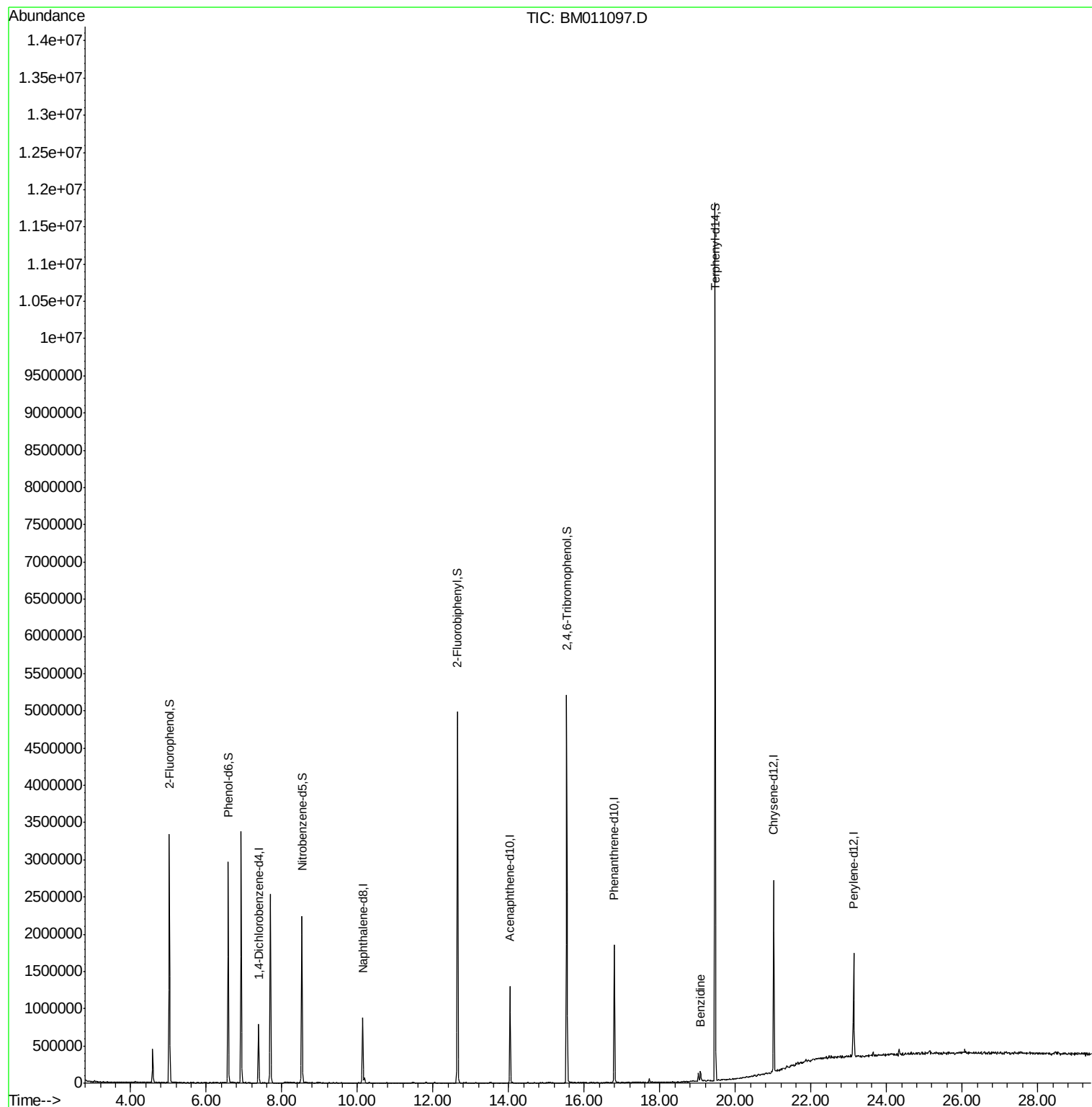
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	140649	20.00	ng	-0.01
21) Naphthalene-d8	10.14	136	516029	20.00	ng	-0.01
38) Acenaphthene-d10	14.04	164	344162	20.00	ng	-0.01
63) Phenanthrene-d10	16.79	188	945462	20.00	ng	-0.02
75) Chrysene-d12	21.01	240	1134832	20.00	ng	-0.01
86) Perylene-d12	23.13	264	926248	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	895835	107.67	ng	0.00
7) Phenol-d6	6.58	99	1121706	94.89	ng	-0.01
23) Nitrobenzene-d5	8.53	82	1194162	86.85	ng	-0.01
41) 2,4,6-Tribromophenol	15.54	330	660517	119.74	ng	-0.01
44) 2-Fluorobiphenyl	12.64	172	2082506	75.89	ng	-0.02
78) Terphenyl-d14	19.46	244	4134284	72.16	ng	0.00
Target Compounds						
76) Benzidine	19.07	184	75515	2.782	ng	Qvalue 96

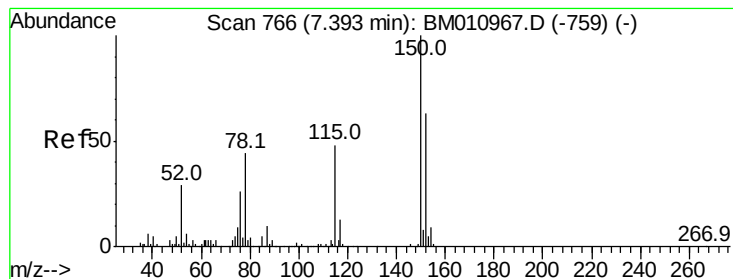
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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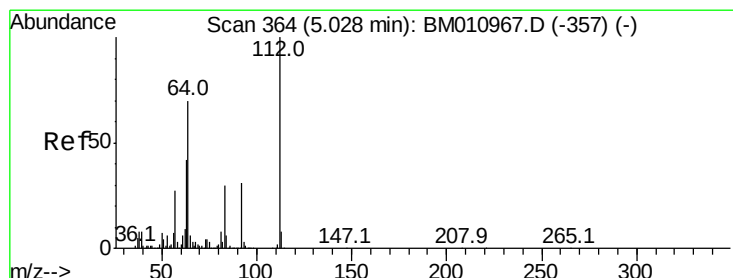
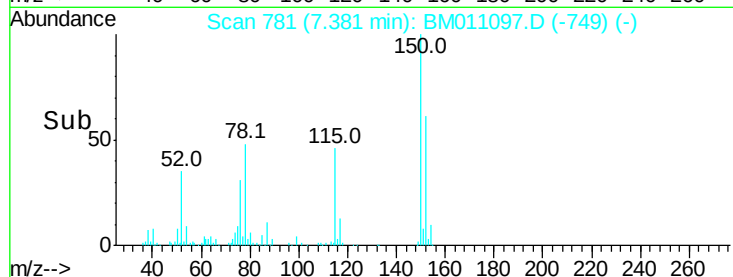
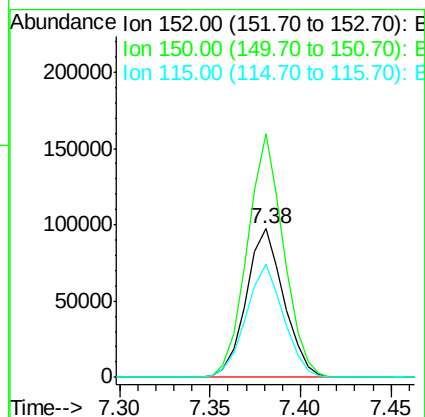
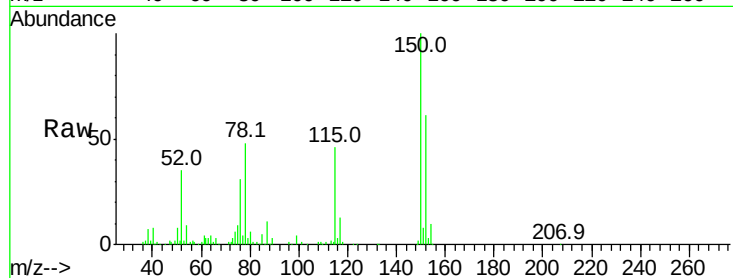


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.38 min Scan# 781
Delta R.T. -0.01 min
Lab File: BM011097.D
Acq: 02 Aug 2017 16:50

Instrument :
BNA_M
ClientSampleId :
VNJ-220

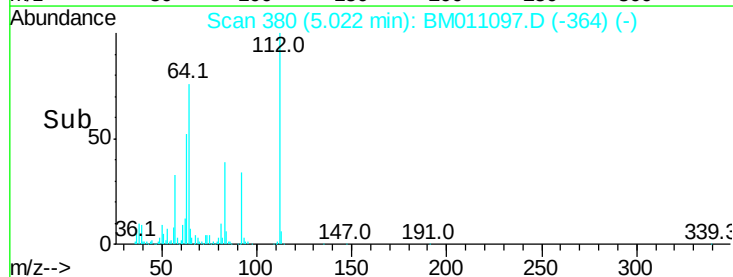
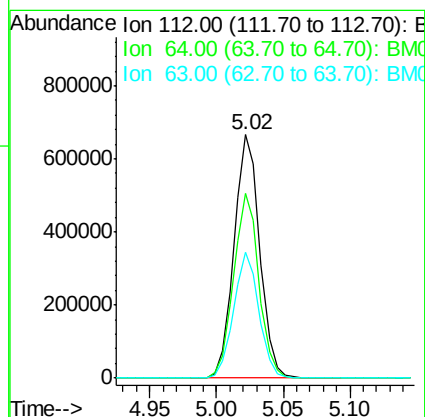
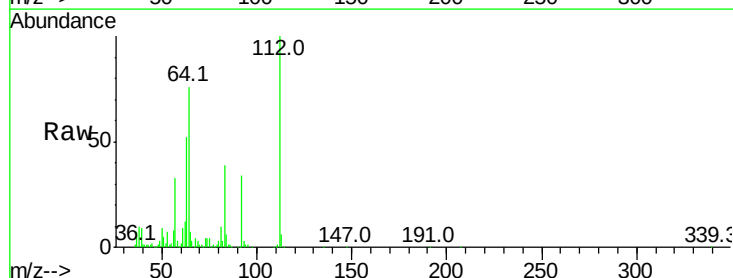
Tot Ion:152 Resp: 140649
Ion Ratio Lower Upper
152 100
150 163.8 119.5 179.3
115 75.7 43.0 64.4#

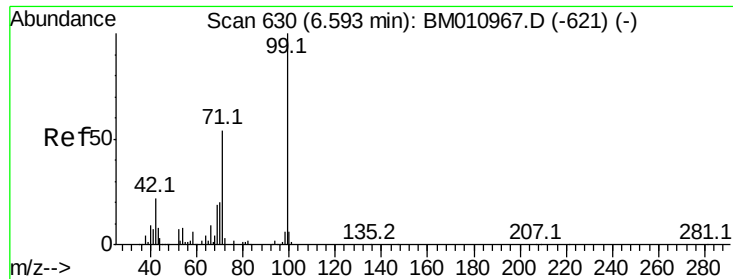


#5

2-Fluorophenol
Concen: 107.669 ng
RT: 5.02 min Scan# 380
Delta R.T. -0.01 min
Lab File: BM011097.D
Acq: 02 Aug 2017 16:50

Tgt Ion:112 Resp: 895835
Ion Ratio Lower Upper
112 100
64 76.1 38.6 57.8#
63 51.7 19.3 28.9#





#7

Phenol-d6

Concen: 94.886 ng

RT: 6.58 min Scan# 645

Delta R.T. -0.01 min

Lab File: BM011097.D

Acq: 02 Aug 2017 16:50

Instrument :

BNA_M

ClientSampled :

VNJ-220

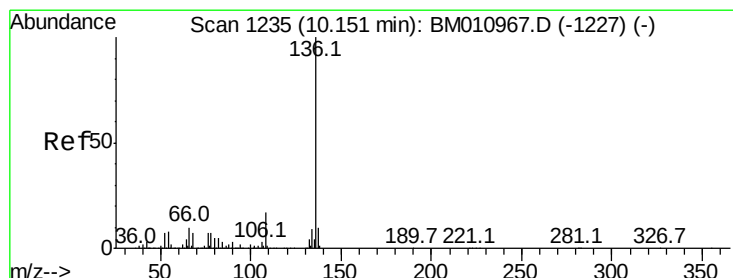
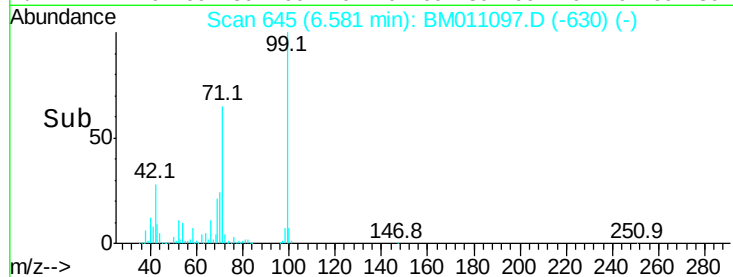
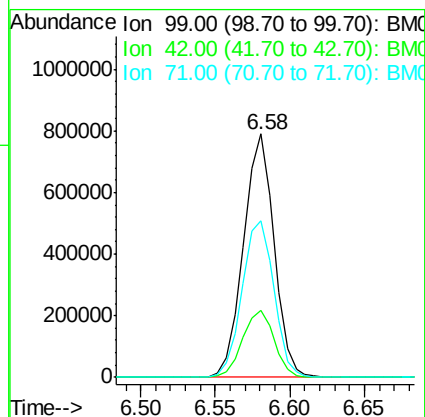
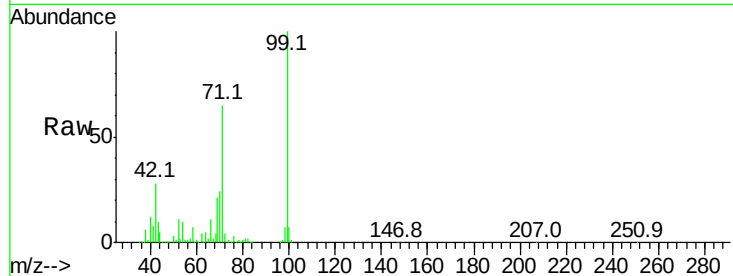
Tot Ion: 99 Resp: 1121706

Ion Ratio Lower Upper

99 100

42 27.6 11.0 16.4#

71 64.6 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: BM011097.D

Acq: 02 Aug 2017 16:50

Tgt Ion: 136 Resp: 516029

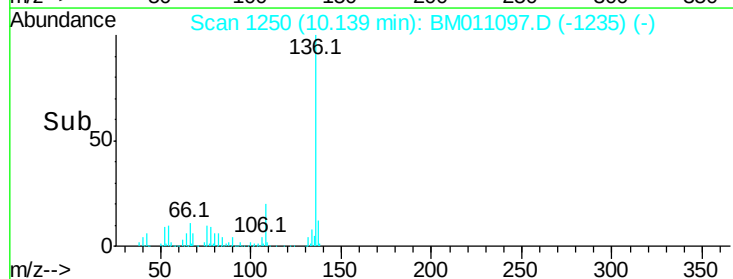
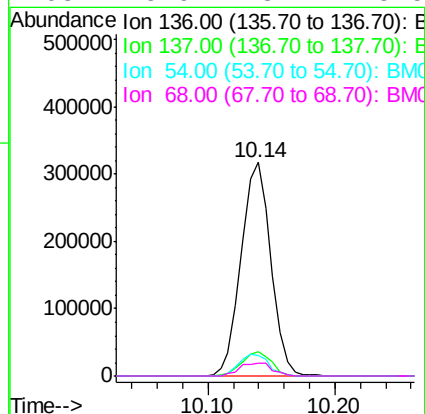
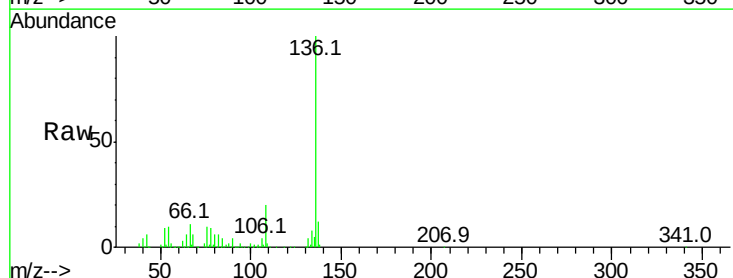
Ion Ratio Lower Upper

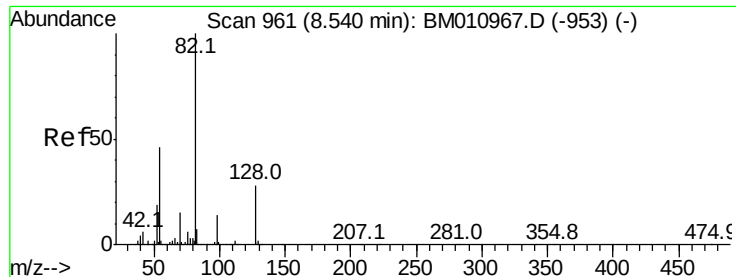
136 100

137 11.5 8.7 13.1

54 9.6 4.6 6.8#

68 5.9 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 86.853 ng

RT: 8.53 min Scan# 976

Delta R.T. -0.01 min

Lab File: BM011097.D

Acq: 02 Aug 2017 16:50

Instrument :

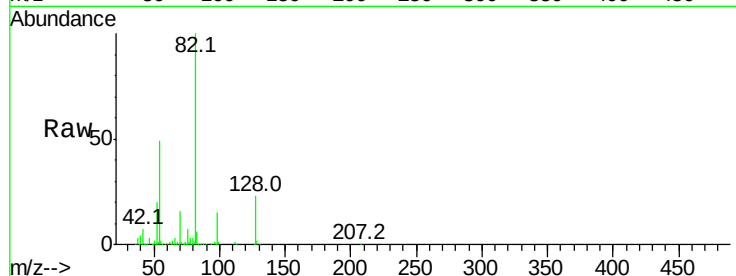
BNA_M

ClientSampleId :

VNJ-220

Tot Ion: 82 Resp: 1194162

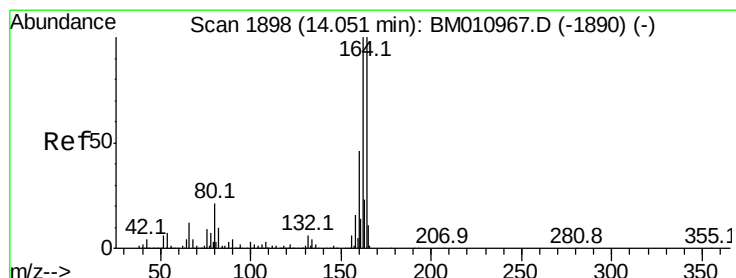
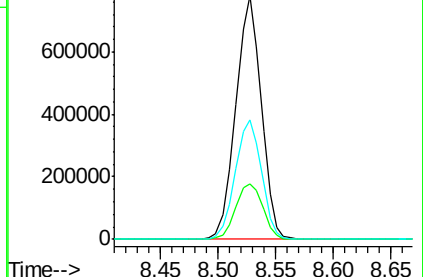
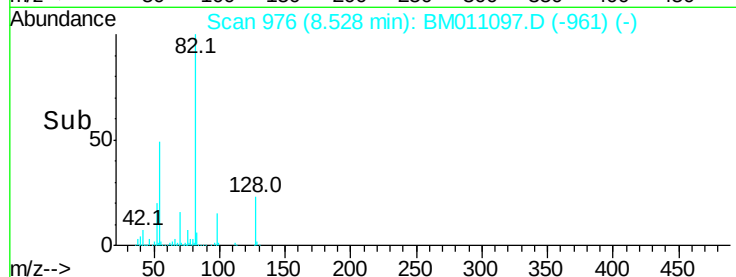
Ion	Ratio	Lower	Upper
82	100		
128	23.0	32.8	49.2#
54	49.0	40.6	60.8



Abundance Ion 82.00 (81.70 to 82.70): BM011097.D (-961) (-)

Ion 128.00 (127.70 to 128.70): BM011097.D (-961) (-)

Ion 54.00 (53.70 to 54.70): BM011097.D (-961) (-)



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.04 min Scan# 1913

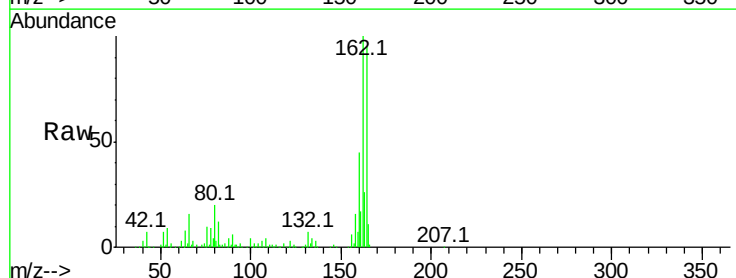
Delta R.T. -0.01 min

Lab File: BM011097.D

Acq: 02 Aug 2017 16:50

Tgt Ion: 164 Resp: 344162

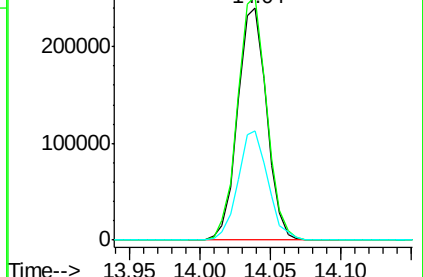
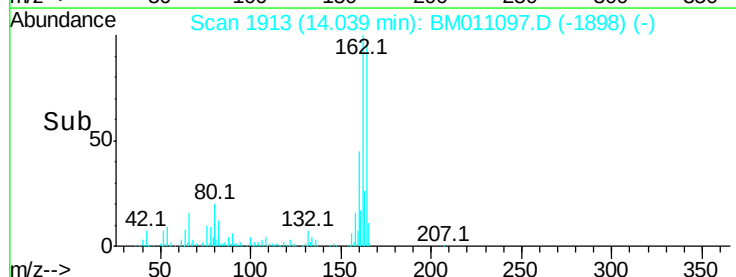
Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.4	123.6
160	47.2	35.8	53.6

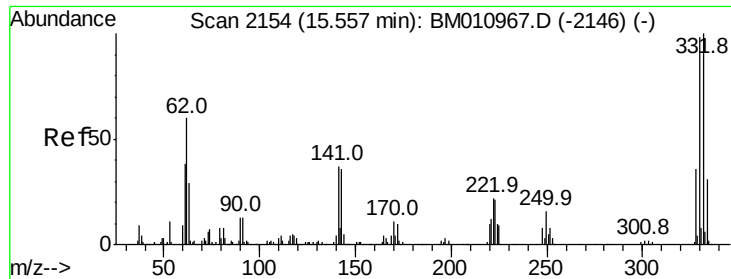


Abundance Ion 164.00 (163.70 to 164.70): BM011097.D (-1898) (-)

Ion 162.00 (161.70 to 162.70): BM011097.D (-1898) (-)

Ion 160.00 (159.70 to 160.70): BM011097.D (-1898) (-)

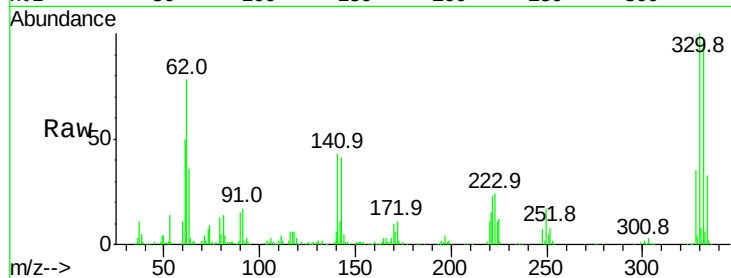




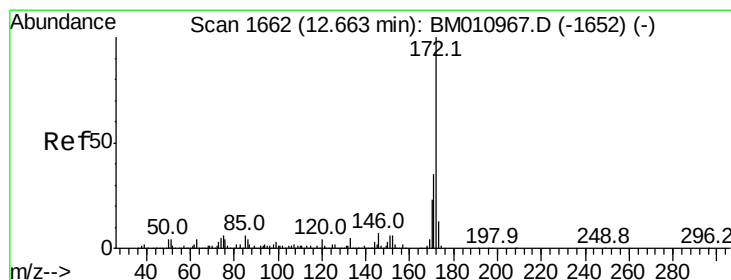
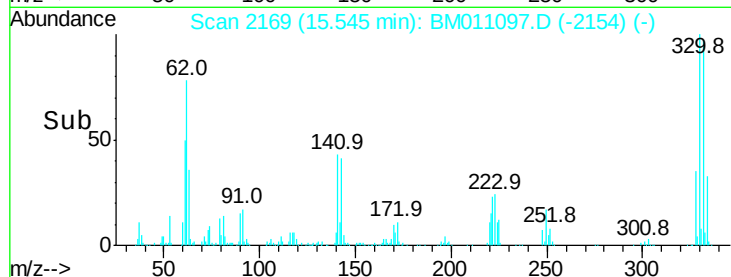
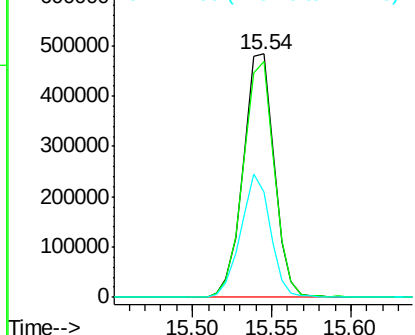
#41
 2,4,6-Tribromophenol
 Concen: 119.741 ng
 RT: 15.54 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BM011097.D
 Acq: 02 Aug 2017 16:50

Instrument :
 BNA_M
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 VNJ-220

Tot Ion:330 Resp: 660517
 Ion Ratio Lower Upper
 330 100
 332 97.1 0.0 0.0#
 141 48.7 0.0 0.0#

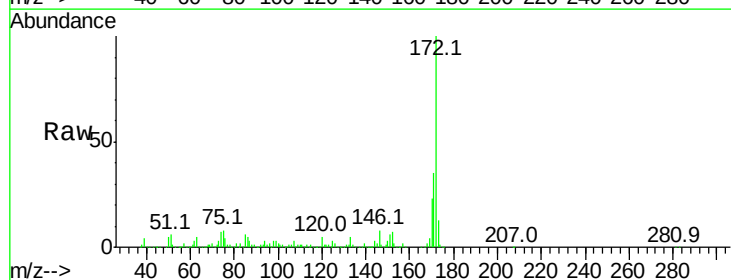


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

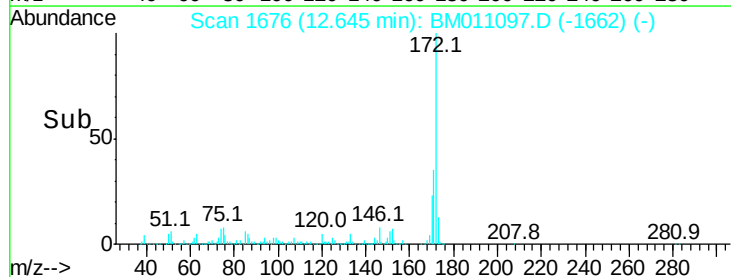
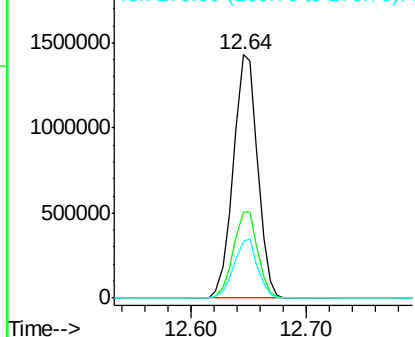


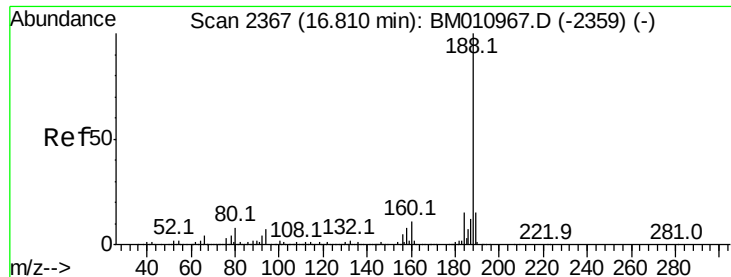
#44
 2-Fluorobiphenyl
 Concen: 75.887 ng
 RT: 12.64 min Scan# 1676
 Delta R.T. -0.02 min
 Lab File: BM011097.D
 Acq: 02 Aug 2017 16:50

Tgt Ion:172 Resp: 2082506
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.5 42.7
 170 23.5 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

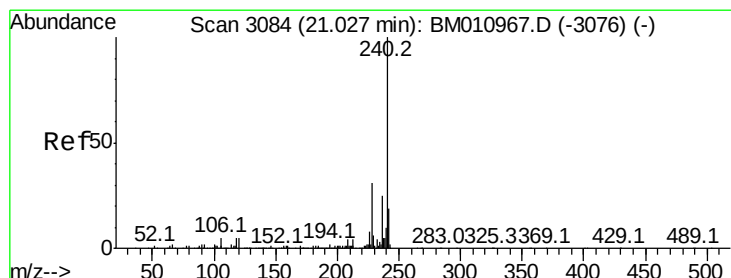
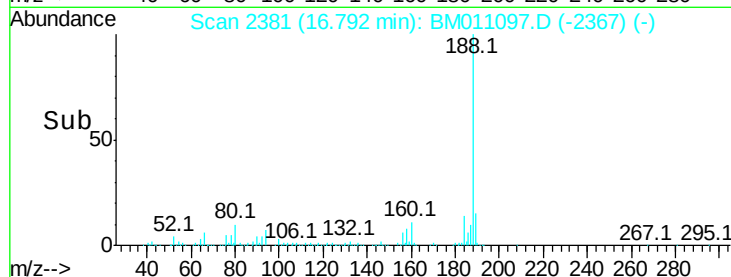
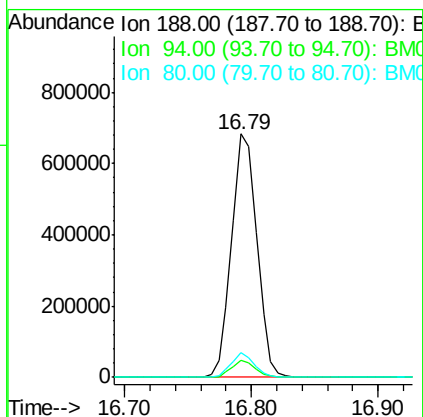
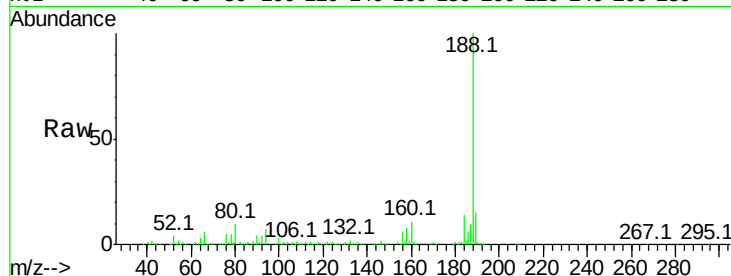




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.79 min Scan# 2381
Delta R.T. -0.02 min
Lab File: BM011097.D
Acq: 02 Aug 2017 16:50

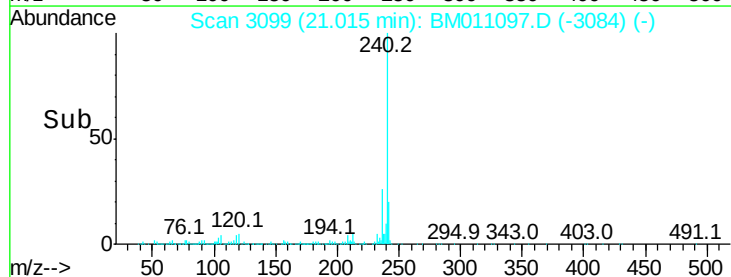
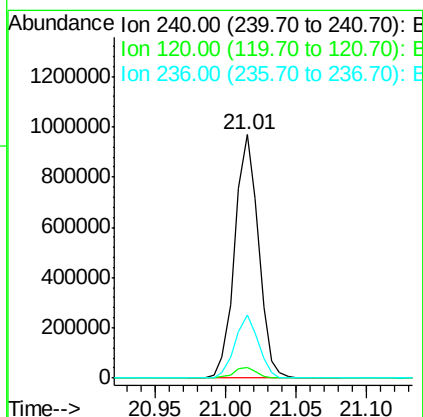
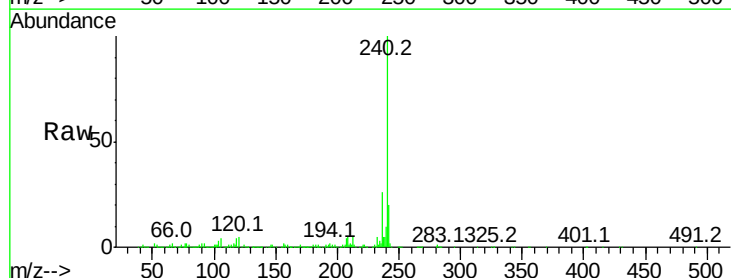
Instrument :
BNA_M
ClientSampleId :
VNJ-220

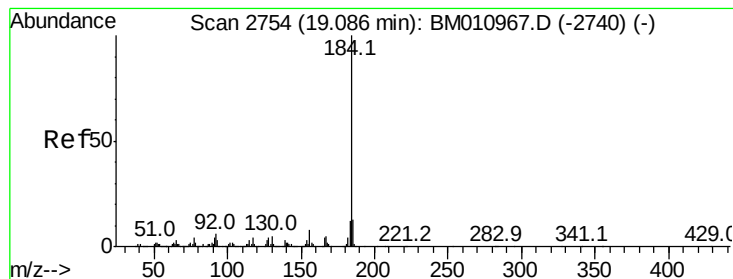
Tot Ion:188 Resp: 945462
Ion Ratio Lower Upper
188 100
94 6.9 8.7 13.1#
80 10.2 9.3 13.9



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.01 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM011097.D
Acq: 02 Aug 2017 16:50

Tgt Ion:240 Resp: 1134832
Ion Ratio Lower Upper
240 100
120 4.5 8.2 12.2#
236 26.1 20.0 30.0





#76

Benzidine

Concen: 2.782 ng

RT: 19.07 min Scan# 2769

Delta R.T. -0.01 min

Lab File: BM011097.D

Acq: 02 Aug 2017 16:50

Instrument :

BNA_M

ClientSampleId :

VNJ-220

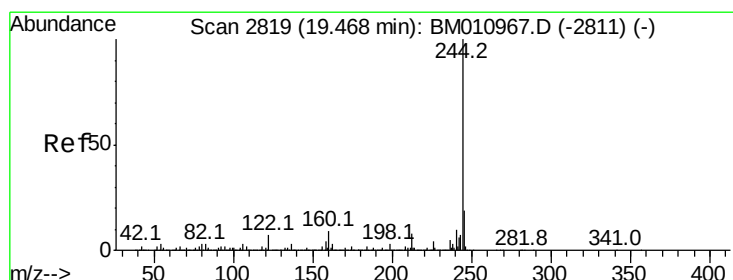
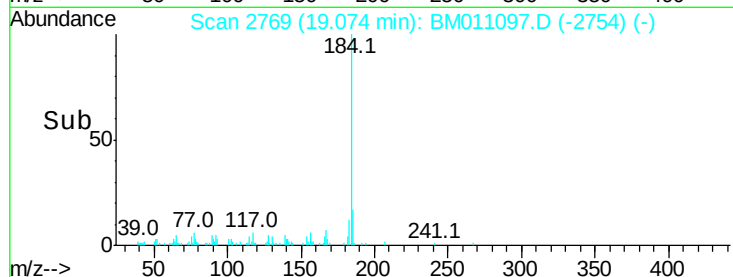
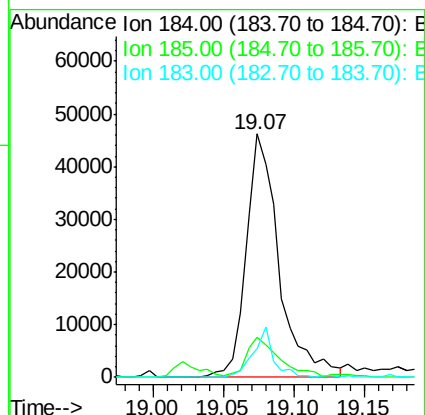
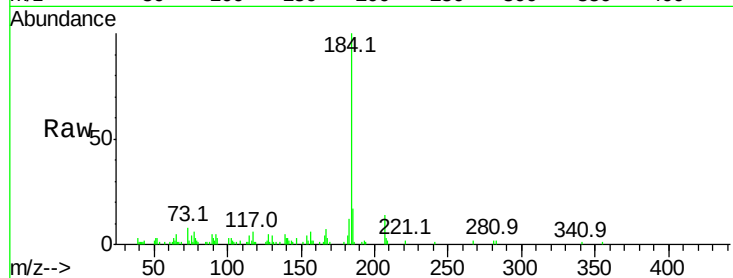
Tot Ion:184 Resp: 75515

Ion Ratio Lower Upper

184 100

185 16.7 11.3 16.9

183 11.7 8.9 13.3



#78

Terphenyl-d14

Concen: 72.165 ng

RT: 19.46 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM011097.D

Acq: 02 Aug 2017 16:50

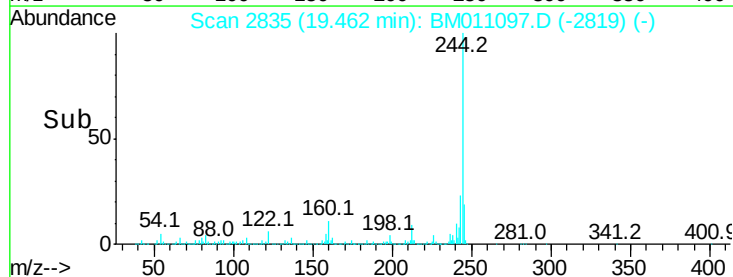
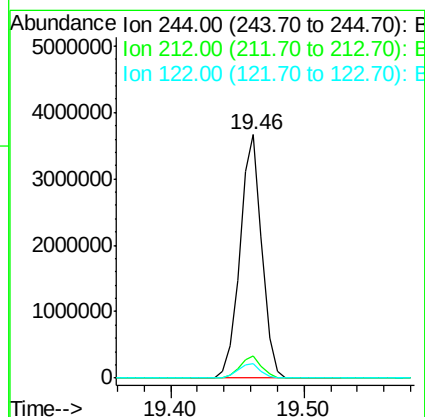
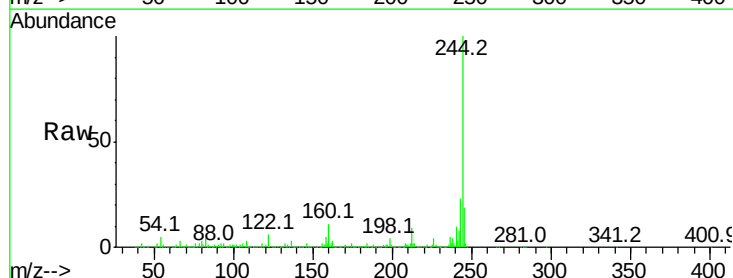
Tgt Ion:244 Resp: 4134284

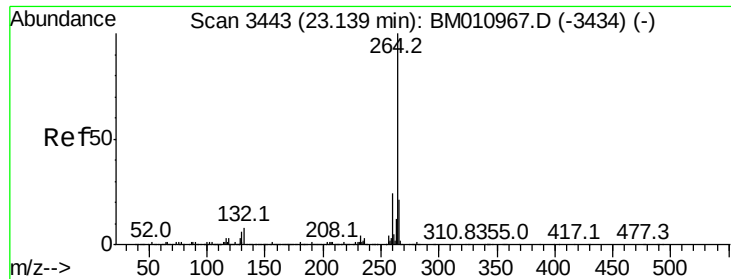
Ion Ratio Lower Upper

244 100

212 9.0 4.9 7.3#

122 6.1 6.2 9.4#

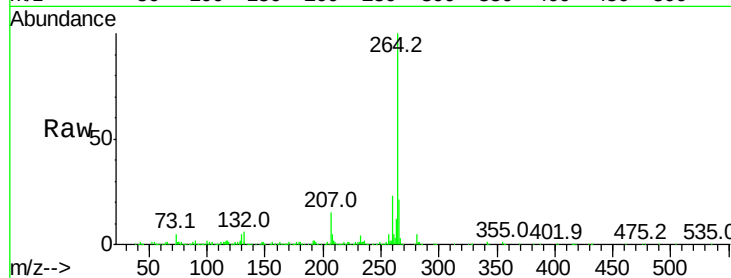




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.13 min Scan# 3458
 Delta R.T. -0.01 min
 Lab File: BM011097.D
 Acq: 02 Aug 2017 16:50

Instrument :
 BNA_M
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 VNJ-220

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.6	27.8
265	21.3	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

