

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072418\
 Data File : BM016068.D
 Acq On : 24 Jul 2018 22:45
 Operator : SJ/JU
 Sample : J4109-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FB-072018

Quant Time: Jul 25 07:06:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

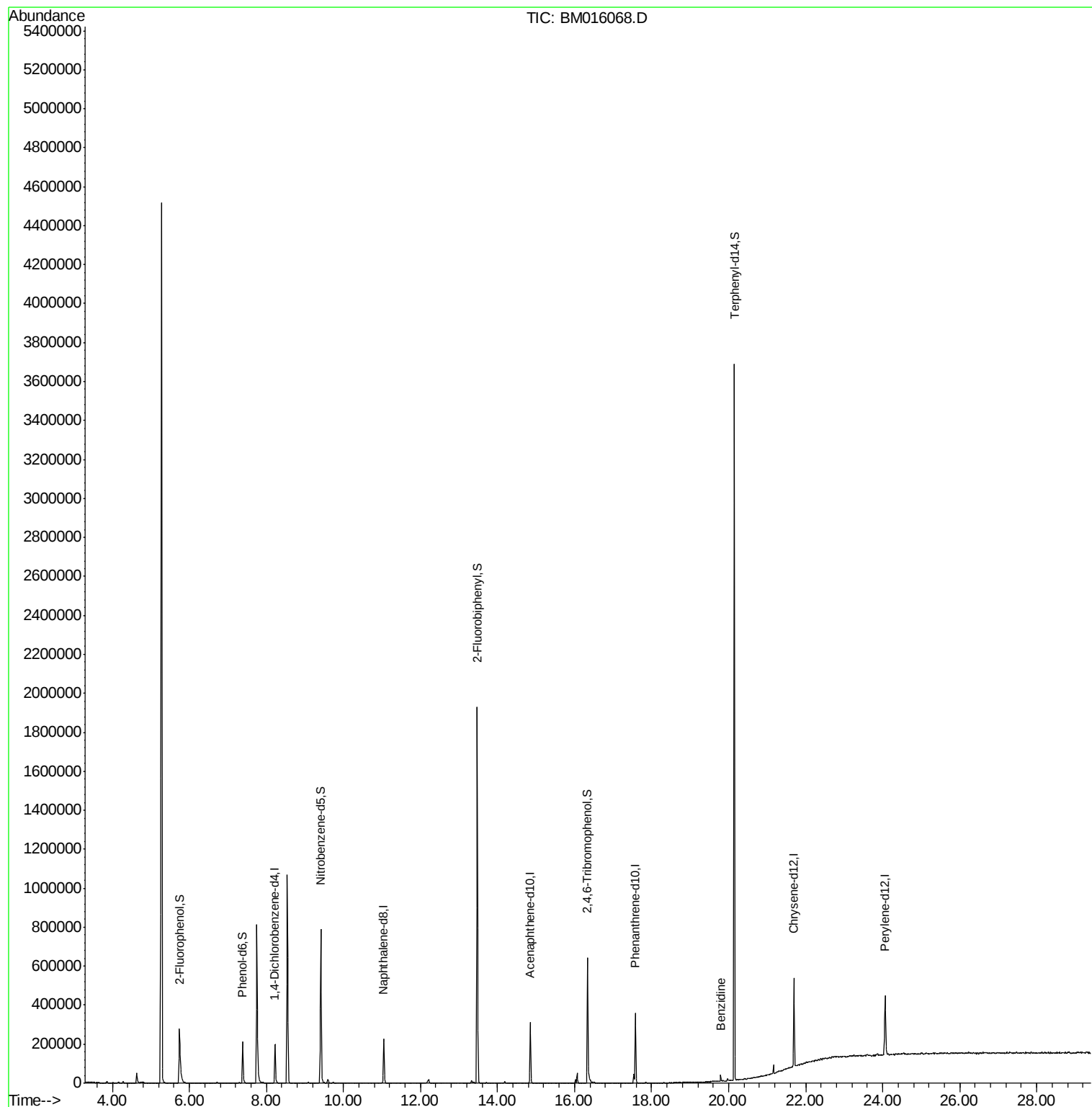
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	44679	20.00	ng	-0.01
21) Naphthalene-d8	11.05	136	163903	20.00	ng	-0.01
38) Acenaphthene-d10	14.85	164	87199	20.00	ng	0.00
63) Phenanthrene-d10	17.58	188	183843	20.00	ng	0.00
75) Chrysene-d12	21.70	240	189823	20.00	ng	0.00
86) Perylene-d12	24.06	264	203033	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	134993	50.19	ng	0.00
7) Phenol-d6	7.38	99	90101	25.65	ng	0.00
23) Nitrobenzene-d5	9.41	82	379038	107.56	ng	0.00
41) 2,4,6-Tribromophenol	16.34	330	82553	74.64	ng	0.00
44) 2-Fluorobiphenyl	13.47	172	760394	106.10	ng	0.00
78) Terphenyl-d14	20.15	244	1194210	131.69	ng	0.00
Target Compounds						
76) Benzidine	19.80	184	20962	3.952	ng	Qvalue 98

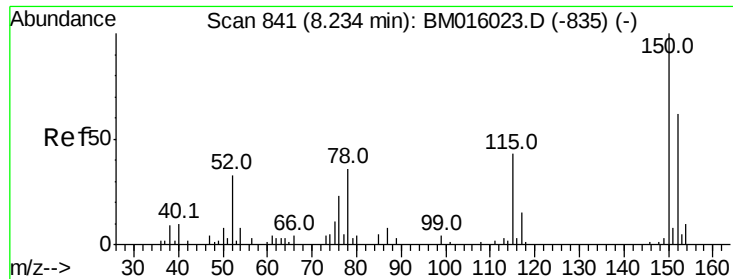
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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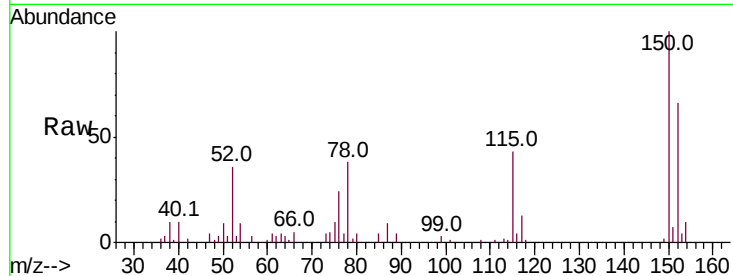


#1

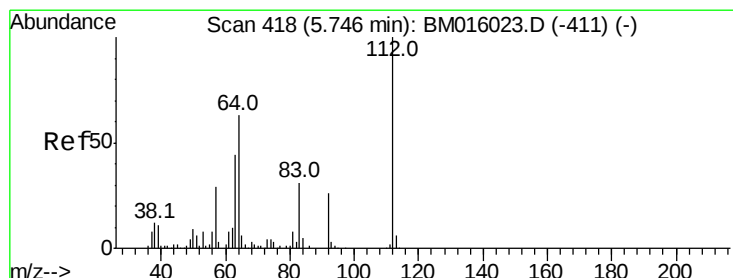
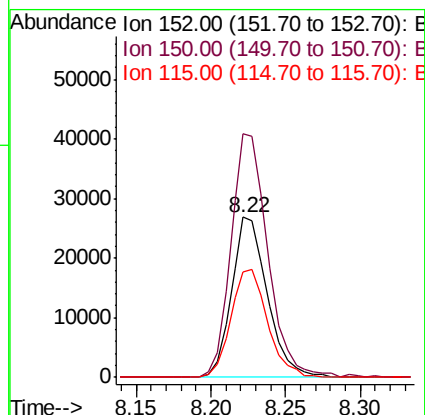
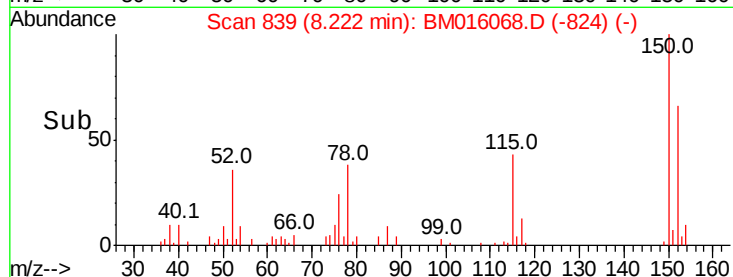
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.22 min Scan# 839
Delta R.T. -0.01 min
Lab File: BM016068.D
Acq: 24 Jul 2018 22:45

Instrument :
BNA_M
ClientSampleId :
FB-072018

Tot Ion:152 Resp: 44679
Ion Ratio Lower Upper
152 100
150 152.4 119.5 179.3
115 66.1 43.0 64.4#



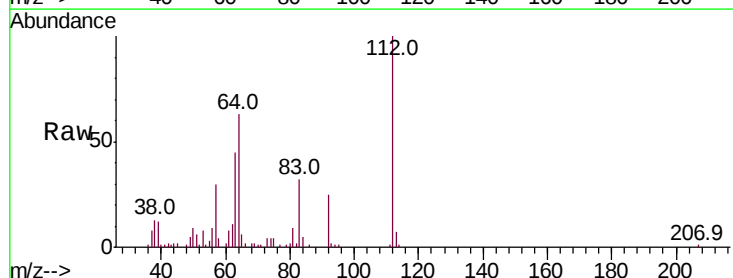
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



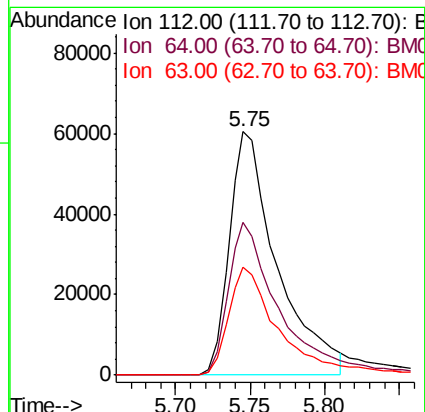
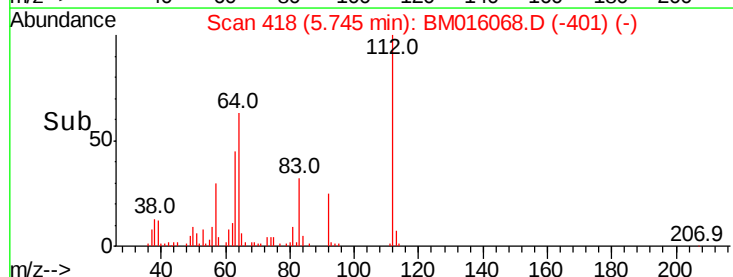
#5

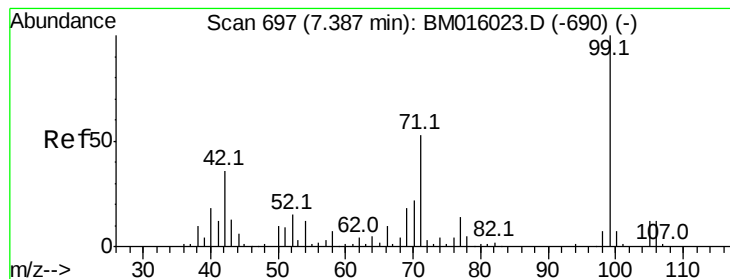
2-Fluorophenol
Concen: Below ng
RT: 5.75 min Scan# 418
Delta R.T. 0.00 min
Lab File: BM016068.D
Acq: 24 Jul 2018 22:45

Tgt Ion:112 Resp: 134993
Ion Ratio Lower Upper
112 100
64 62.7 38.6 57.8#
63 44.5 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: N.D. ng

RT: 7.38 min Scan# 696

Delta R.T. -0.01 min

Lab File: BM016068.D

Acq: 24 Jul 2018 22:45

Instrument :

BNA_M

ClientSampleId :

FB-072018

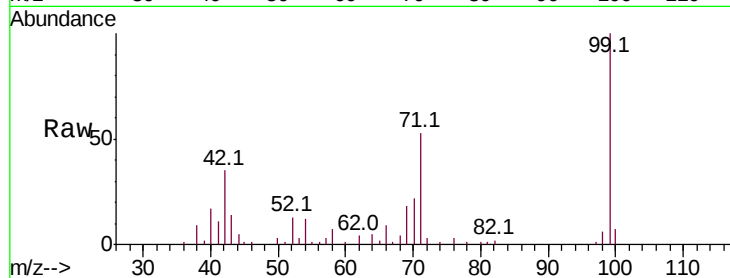
Tot Ion: 99 Resp: 90101

Ion Ratio Lower Upper

99 100

42 35.5 11.0 16.4#

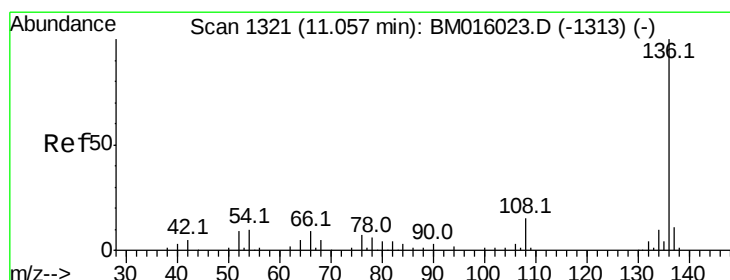
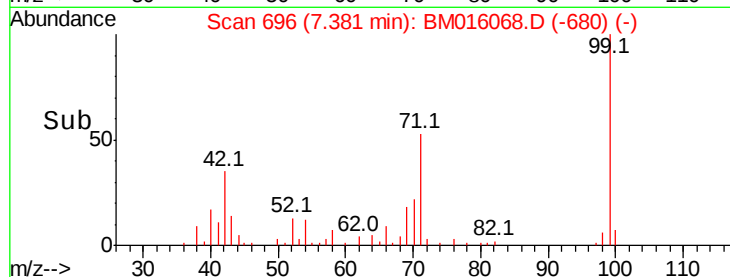
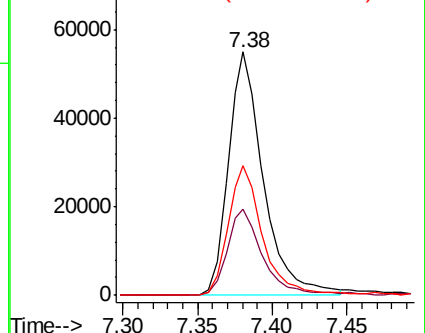
71 53.1 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016023.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016023.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016023.D (-690) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.05 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BM016068.D

Acq: 24 Jul 2018 22:45

Tgt Ion: 136 Resp: 163903

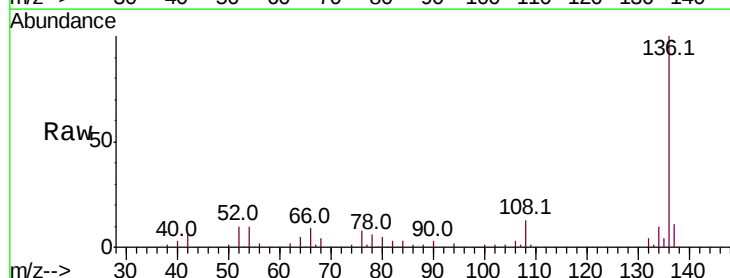
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 10.0 4.6 6.8#

68 4.4 3.7 5.5

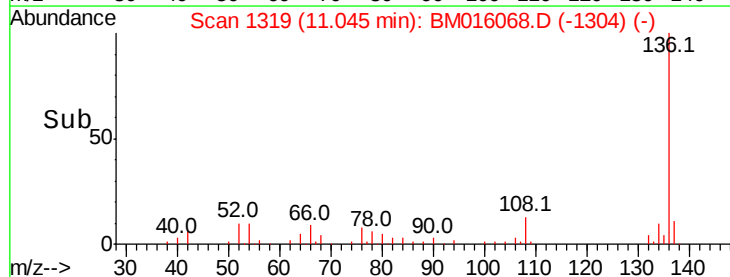
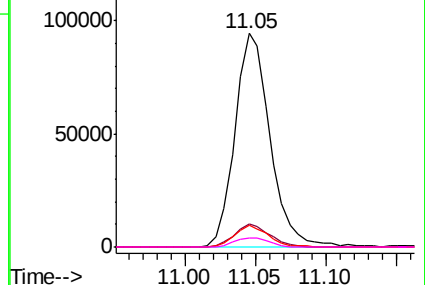


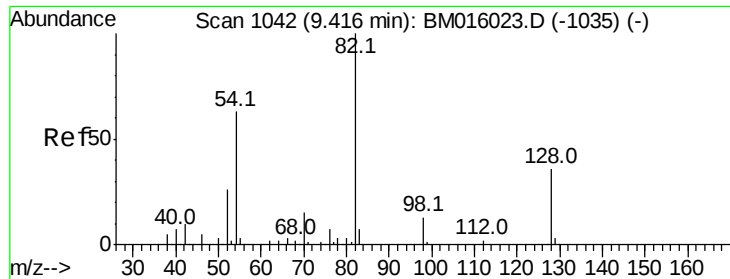
Abundance Ion 136.00 (135.70 to 136.70): BM016023.D (-1313) (-)

Ion 137.00 (136.70 to 137.70): BM016023.D (-1313) (-)

Ion 54.00 (53.70 to 54.70): BM016023.D (-1313) (-)

Ion 68.00 (67.70 to 68.70): BM016023.D (-1313) (-)

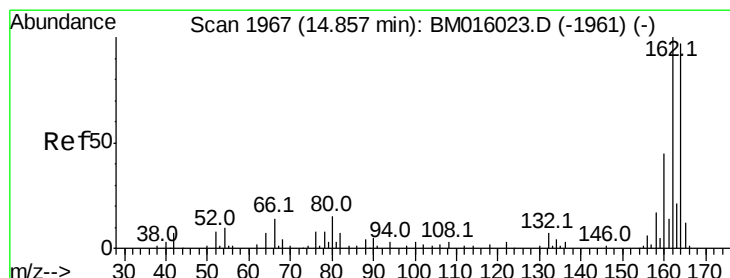
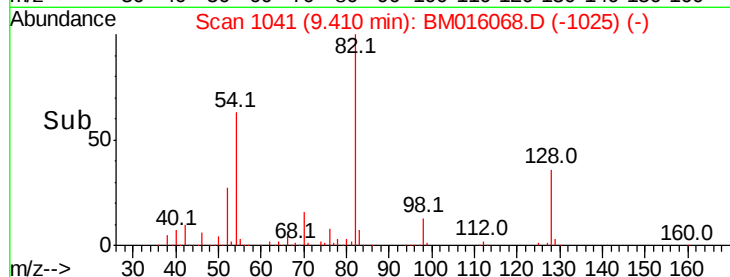
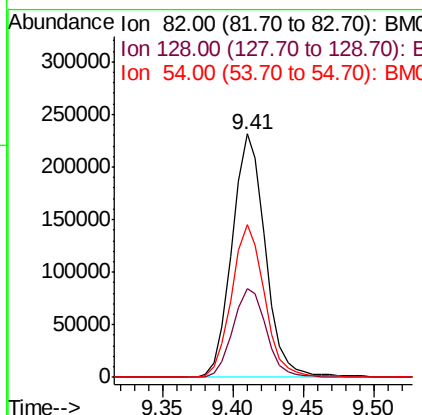
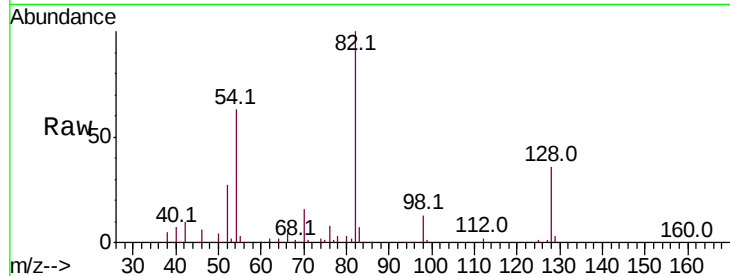




#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.41 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BM016068.D
Acq: 24 Jul 2018 22:45

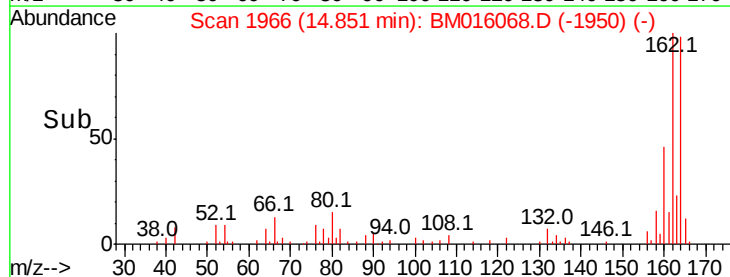
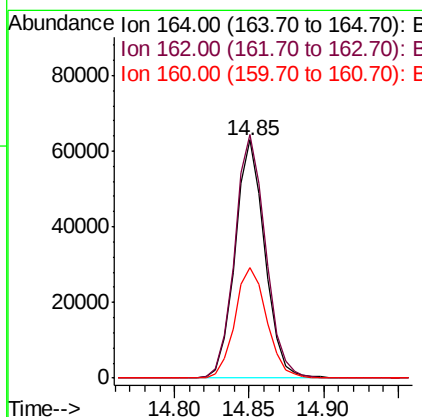
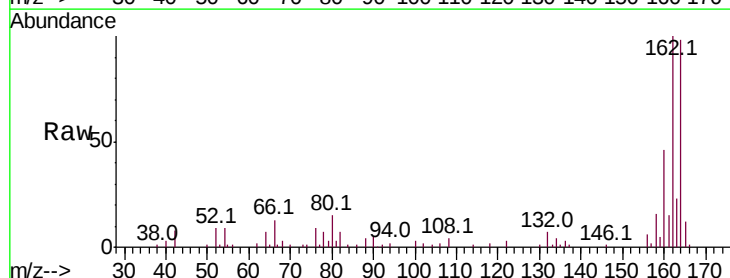
Instrument :
BNA_M
ClientSampleId :
FB-072018

Tot Ion: 82 Resp: 379038
Ion Ratio Lower Upper
82 100
128 36.5 32.8 49.2
54 62.8 40.6 60.8#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.85 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BM016068.D
Acq: 24 Jul 2018 22:45

Tgt Ion:164 Resp: 87199
Ion Ratio Lower Upper
164 100
162 102.4 82.4 123.6
160 46.7 35.8 53.6

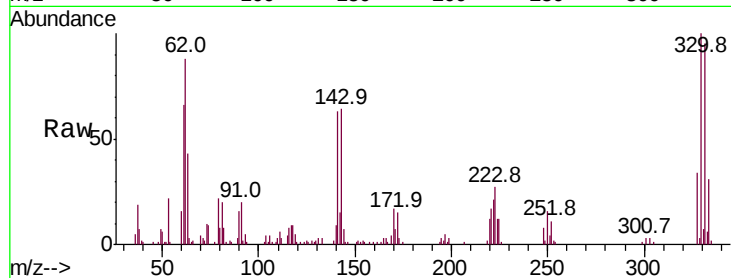




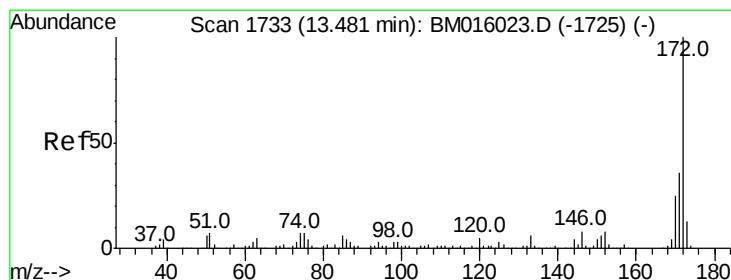
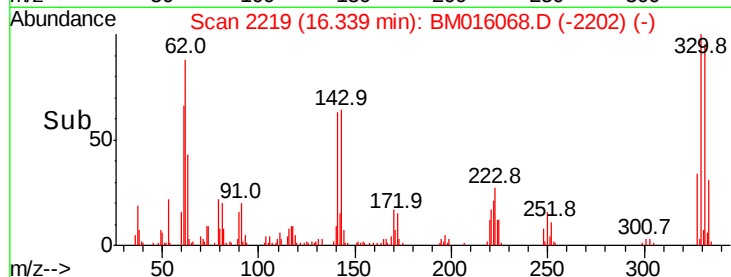
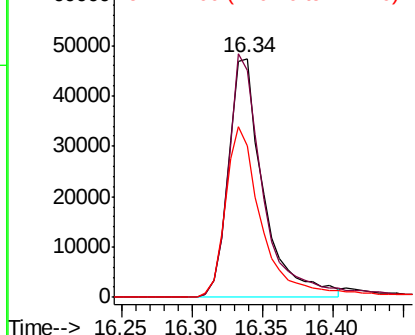
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.34 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BM016068.D
 Acq: 24 Jul 2018 22:45

Instrument :
 BNA_M
 ClientSampleId :
 FB-072018

Tot Ion:330 Resp: 82553
 Ion Ratio Lower Upper
 330 100
 332 99.1 0.0 0.0#
 141 72.4 0.0 0.0#

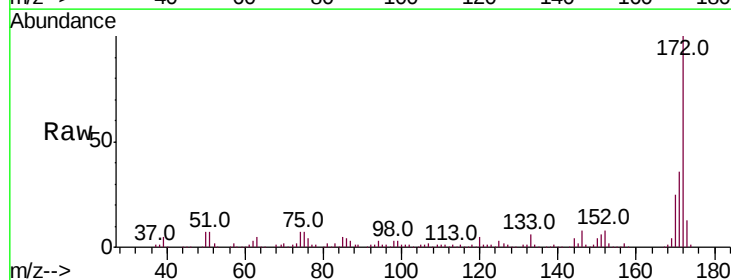


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

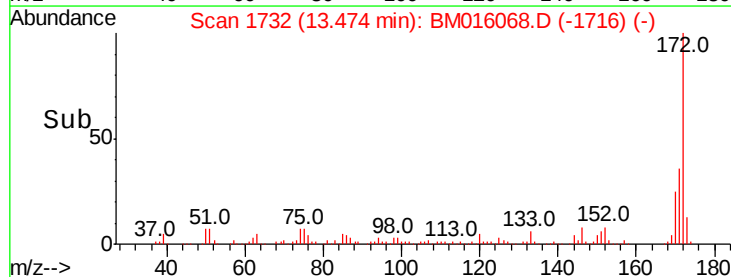
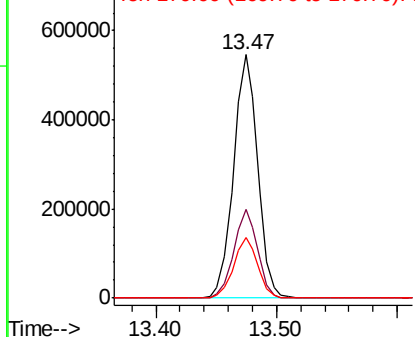


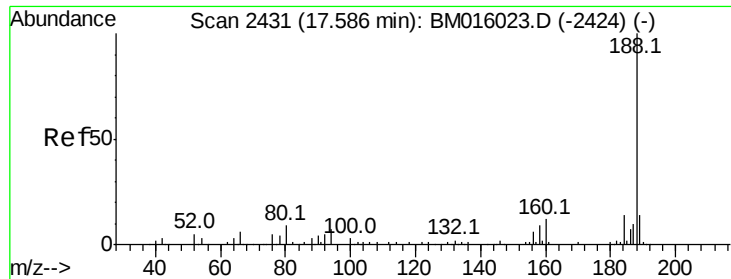
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.47 min Scan# 1732
 Delta R.T. -0.01 min
 Lab File: BM016068.D
 Acq: 24 Jul 2018 22:45

Tgt Ion:172 Resp: 760394
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.5 42.7
 170 24.9 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: 17.58 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BM016068.D

Acq: 24 Jul 2018 22:45

Instrument :

BNA_M

ClientSampleId :

FB-072018

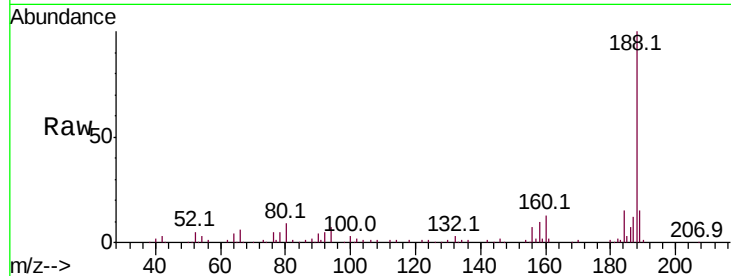
Tot Ion:188 Resp: 183843

Ion Ratio Lower Upper

188 100

94 7.4 8.7 13.1#

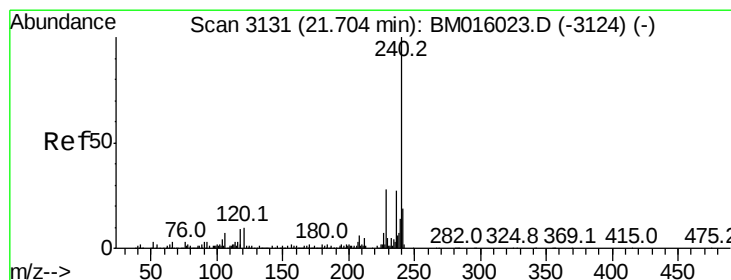
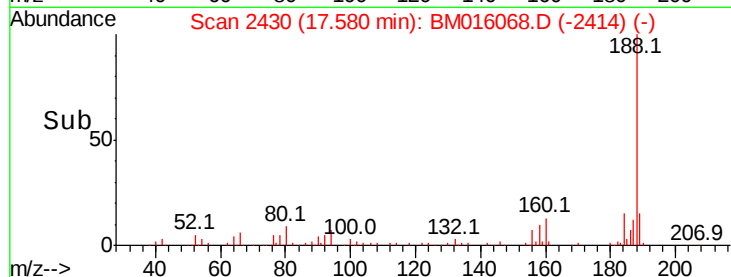
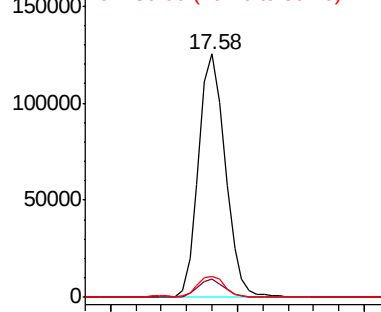
80 8.7 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM016068.D

Acq: 24 Jul 2018 22:45

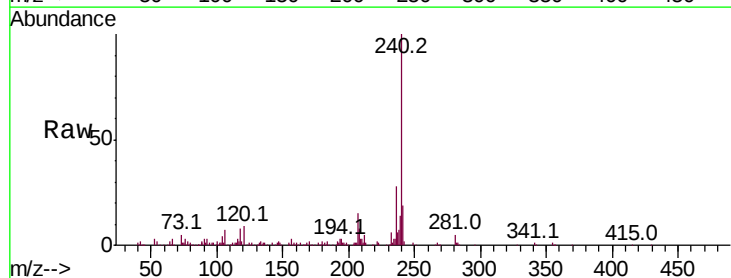
Tgt Ion:240 Resp: 189823

Ion Ratio Lower Upper

240 100

120 8.9 8.2 12.2

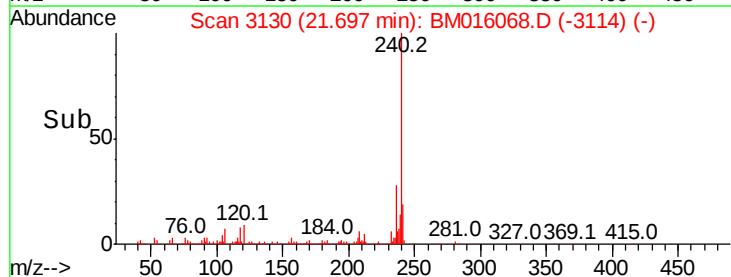
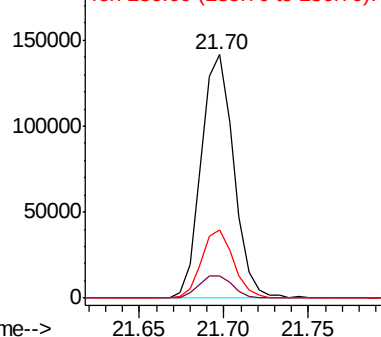
236 28.0 20.0 30.0

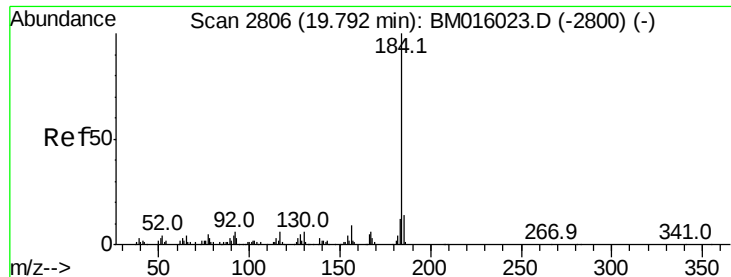


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.952 ng

RT: 19.80 min Scan# 2807

Delta R.T. 0.01 min

Lab File: BM016068.D

Acq: 24 Jul 2018 22:45

Instrument :

BNA_M

ClientSampleId :

FB-072018

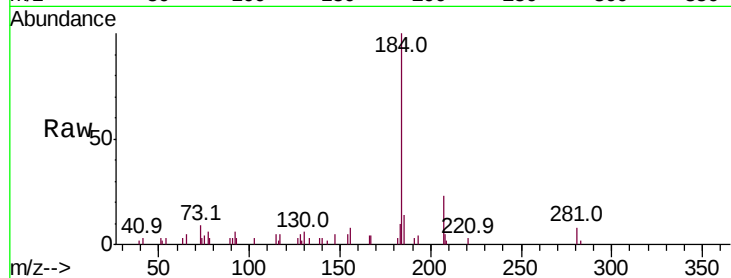
Tot Ion:184 Resp: 20962

Ion Ratio Lower Upper

184 100

185 13.5 11.3 16.9

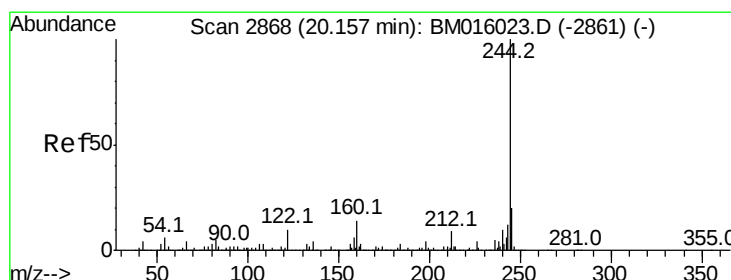
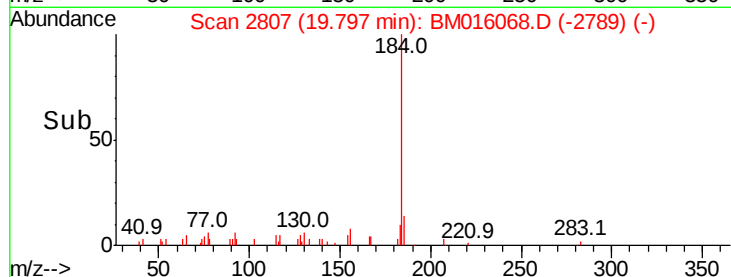
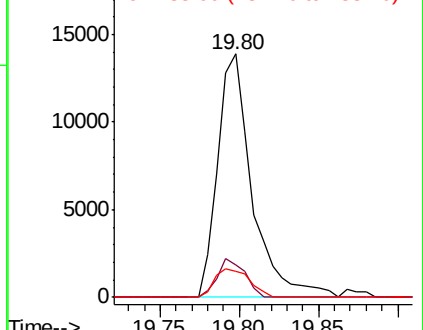
183 10.5 8.9 13.3



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: N.D. ng

RT: 20.15 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BM016068.D

Acq: 24 Jul 2018 22:45

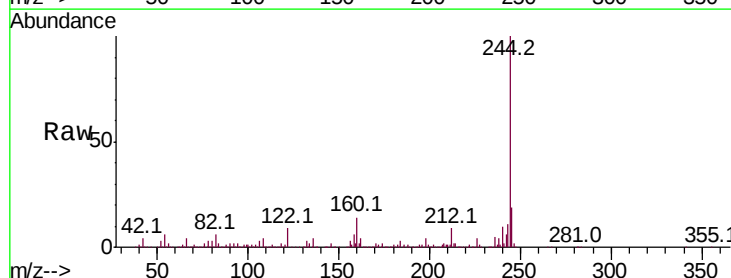
Tgt Ion:244 Resp: 1194210

Ion Ratio Lower Upper

244 100

212 9.2 4.9 7.3#

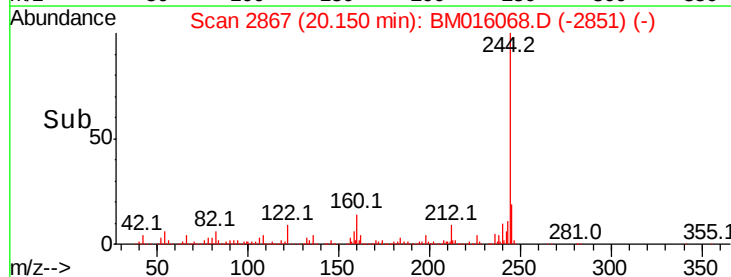
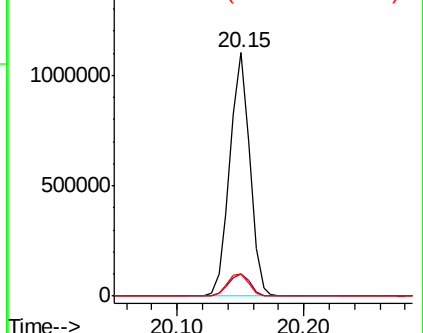
122 9.3 6.2 9.4

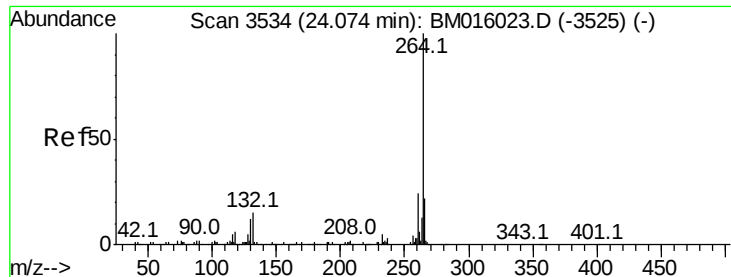


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

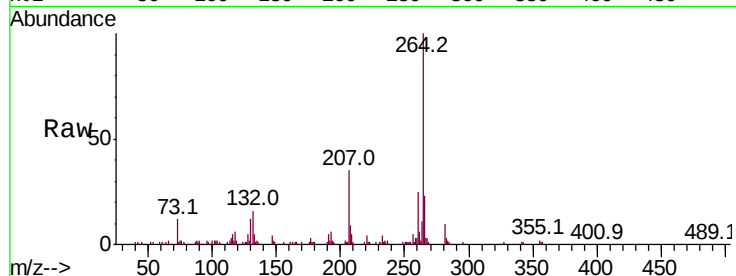




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.06 min Scan# 3532
 Delta R.T. -0.01 min
 Lab File: BM016068.D
 Acq: 24 Jul 2018 22:45

Instrument :
 BNA_M
 ClientSampleId :
 FB-072018

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	18.6	27.8
265	23.1	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

