

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021219\
 Data File : BM018781.D
 Acq On : 12 Feb 2019 20:16
 Operator : JU/SJ
 Sample : K1460-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-1-20190207

Quant Time: Feb 13 02:58:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 16:02:12 2019
 Response via : Initial Calibration

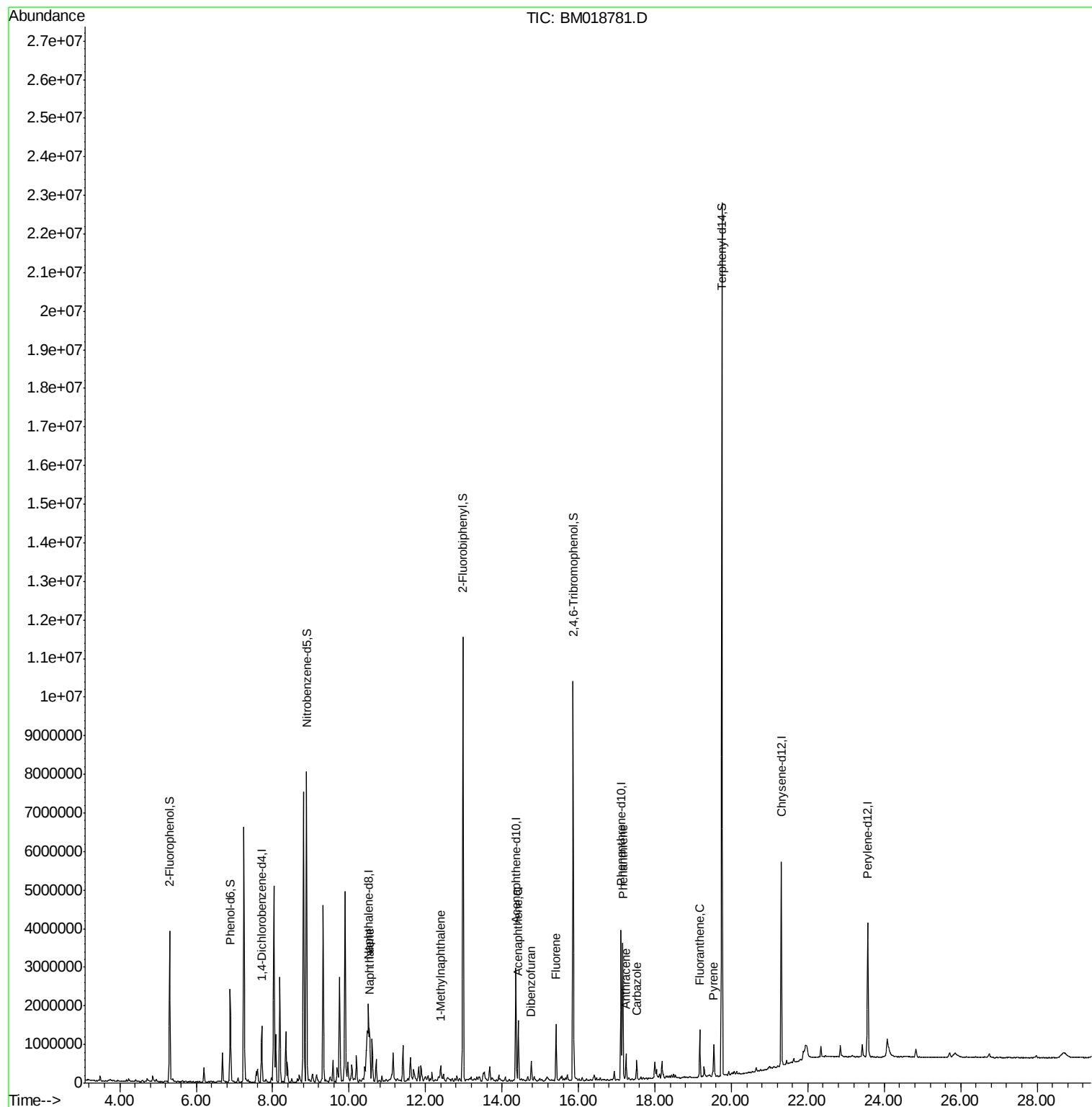
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	376027	20.00	ng	0.00
21) Naphthalene-d8	10.50	136	1534855	20.00	ng	0.00
39) Acenaphthene-d10	14.36	164	902172	20.00	ng	0.00
64) Phenanthrene-d10	17.12	188	2066280	20.00	ng	0.00
76) Chrysene-d12	21.31	240	2300256	20.00	ng	0.00
87) Perylene-d12	23.57	264	2258416	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1567634	68.31	ng	0.00
7) Phenol-d6	6.89	99	1410265	43.62	ng	0.00
23) Nitrobenzene-d5	8.89	82	2783817	83.86	ng	0.00
42) 2,4,6-Tribromophenol	15.86	330	1789907	137.64	ng	0.00
45) 2-Fluorobiphenyl	12.98	172	5564770	81.88	ng	0.00
79) Terphenyl-d14	19.75	244	9581621	85.93	ng	0.00
Target Compounds						
31) Naphthalene	10.55	128	213363	2.850	ng	Qvalue # 81
38) 1-Methylnaphthalene	12.39	142	161810	3.140	ng	97
52) Acenaphthene	14.43	154	511818	9.346	ng	98
55) Dibenzofuran	14.76	168	280295	3.114	ng	98
58) Fluorene	15.42	166	615996	8.945	ng	100
71) Phenanthrene	17.16	178	1899835	17.109	ng	100
72) Anthracene	17.24	178	372297	3.445	ng	99
73) Carbazole	17.53	167	307653	2.724	ng	100
75) Fluoranthene	19.17	202	671445	5.235	ng	98
78) Pyrene	19.54	202	473474	3.544	ng	100

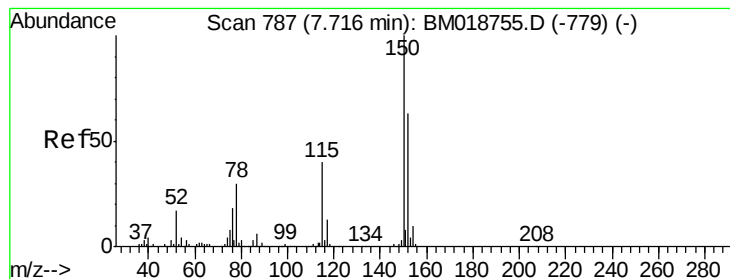
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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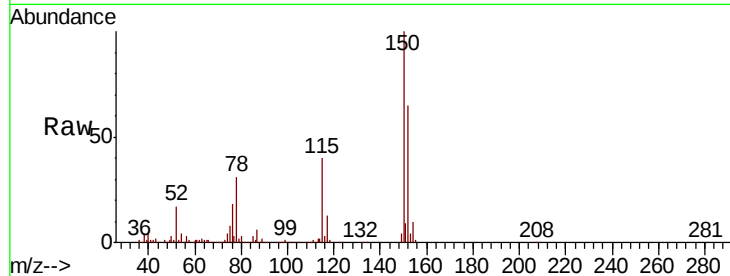


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BM018781.D
Acq: 12 Feb 2019 20:16

Instrument :
BNA_M
ClientSampleId :
MW-1-20190207

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	127.3	190.9
115	61.9	50.8	76.2

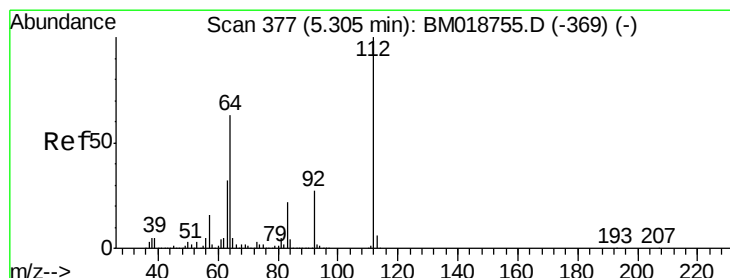
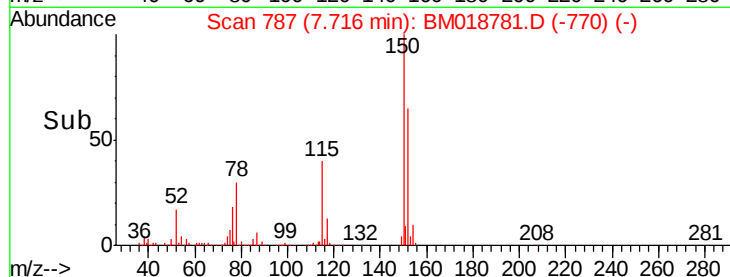
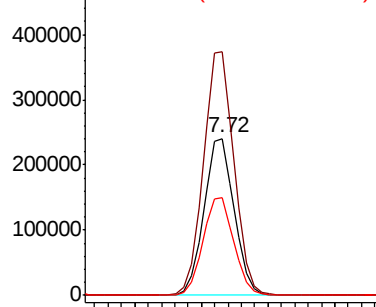


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

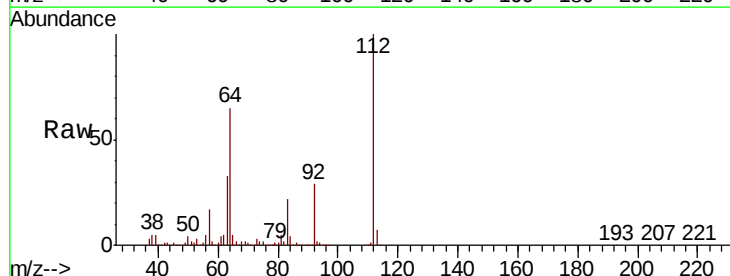
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 68.307 ng
RT: 5.30 min Scan# 377
Delta R.T. -0.00 min
Lab File: BM018781.D
Acq: 12 Feb 2019 20:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	50.6	75.8
63	33.1	25.7	38.5

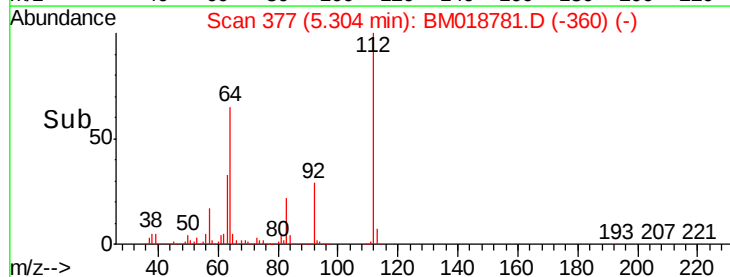
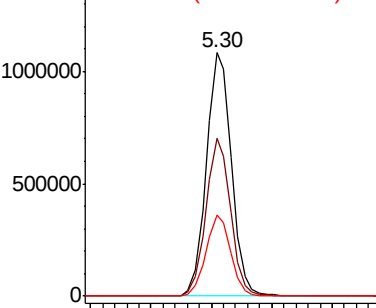


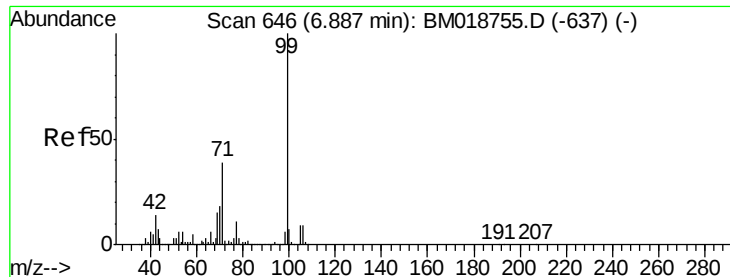
Abundance

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: 43.620 ng

RT: 6.89 min Scan# 647

Delta R.T. 0.01 min

Lab File: BM018781.D

Acq: 12 Feb 2019 20:16

Instrument :

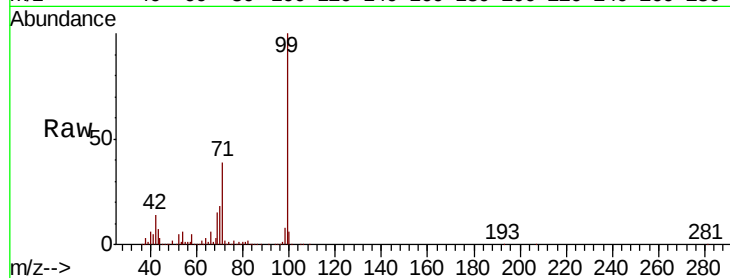
BNA_M

ClientSampleId :

MW-1-20190207

Tot Ion: 99 Resp: 1410265

Ion	Ratio	Lower	Upper
99	100		
42	13.7	11.0	16.6
71	39.4	31.3	46.9

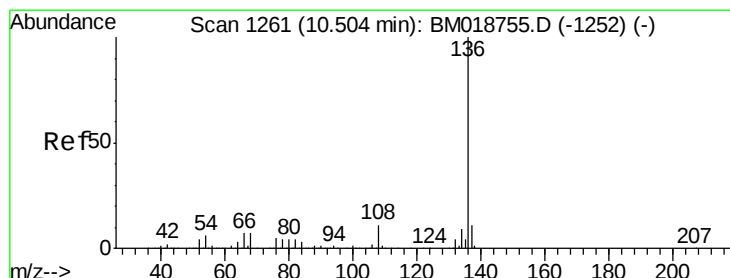
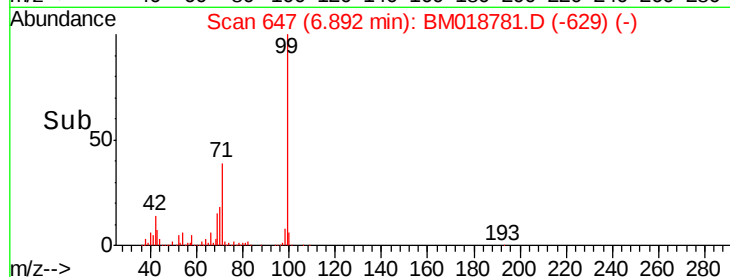
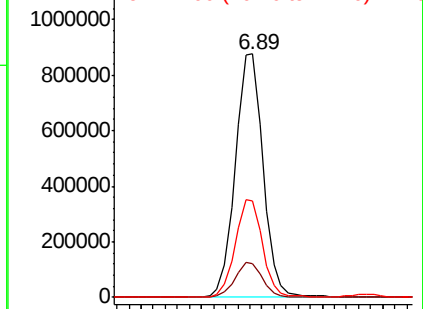


Abundance

Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.50 min Scan# 1261

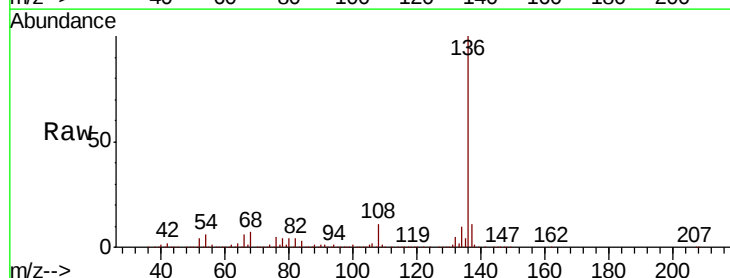
Delta R.T. -0.00 min

Lab File: BM018781.D

Acq: 12 Feb 2019 20:16

Tgt Ion: 136 Resp: 1534855

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.4	5.0	7.6
68	7.1	5.5	8.3



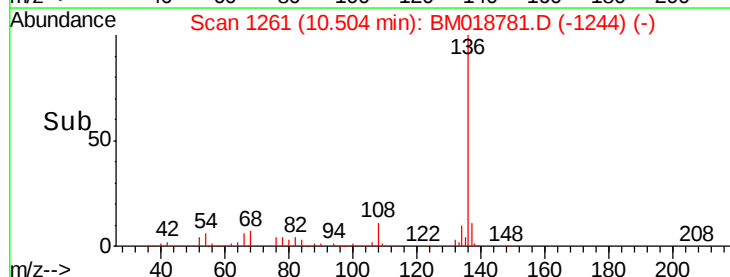
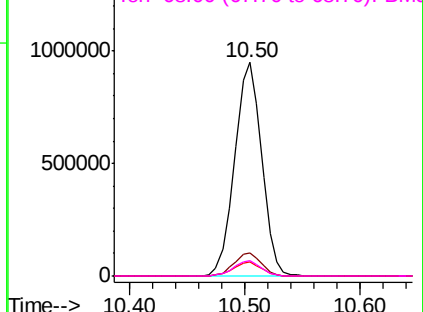
Abundance

Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM018755.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018755.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018755.D (-1252) (-)

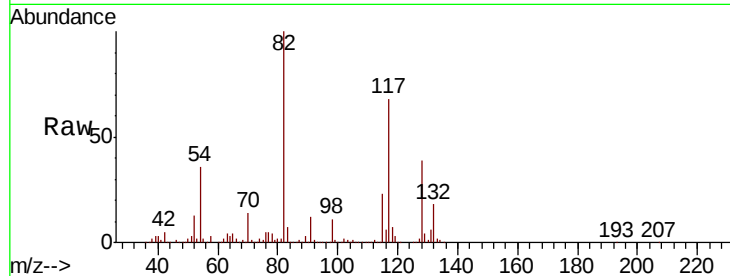




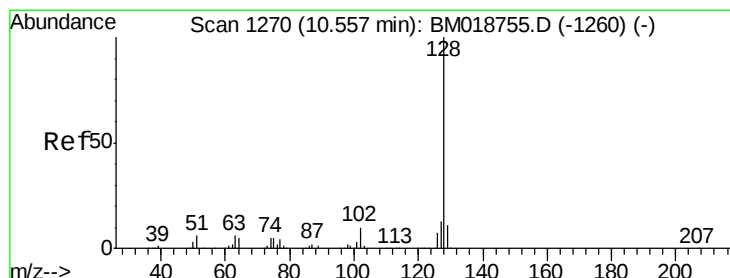
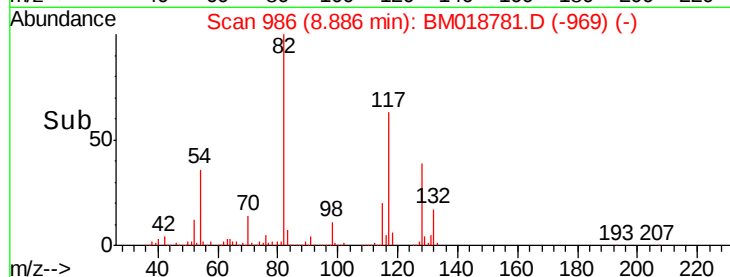
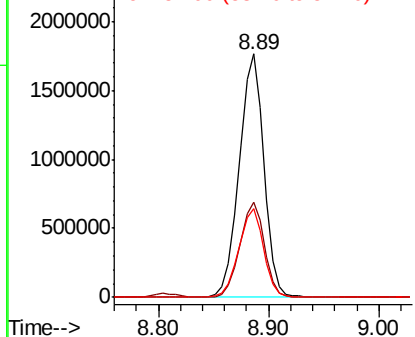
#23
Nitrobenzene-d5
Concen: 83.865 ng
RT: 8.89 min Scan# 986
Delta R.T. -0.00 min
Lab File: BM018781.D
Acq: 12 Feb 2019 20:16

Instrument :
BNA_M
ClientSampleId :
MW-1-20190207

Tot Ion: 82 Resp: 2783817
Ion Ratio Lower Upper
82 100
128 39.2 29.9 44.9
54 36.3 29.1 43.7

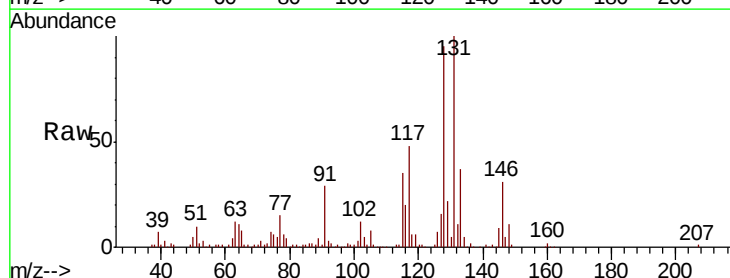


Abundance Ion 82.00 (81.70 to 82.70): BM018755.D (-976) (-)
Ion 128.00 (127.70 to 128.70): BM018755.D (-976) (-)
Ion 54.00 (53.70 to 54.70): BM018755.D (-976) (-)

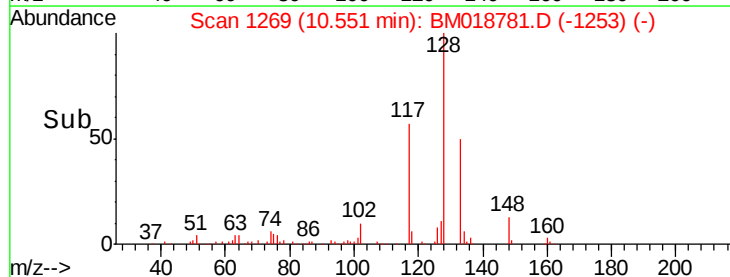
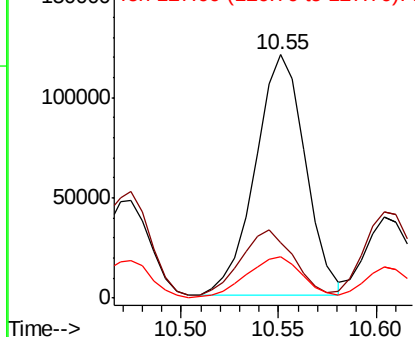


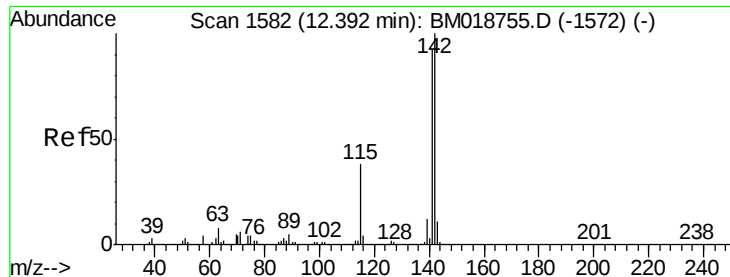
#31
Naphthalene
Concen: 2.850 ng
RT: 10.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BM018781.D
Acq: 12 Feb 2019 20:16

Tgt Ion:128 Resp: 213363
Ion Ratio Lower Upper
128 100
129 22.8 9.0 13.4#
127 16.9 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): BM018755.D (-1260) (-)
Ion 129.00 (128.70 to 129.70): BM018755.D (-1260) (-)
Ion 127.00 (126.70 to 127.70): BM018755.D (-1260) (-)

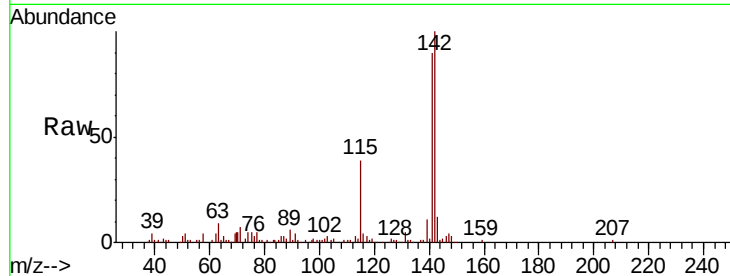




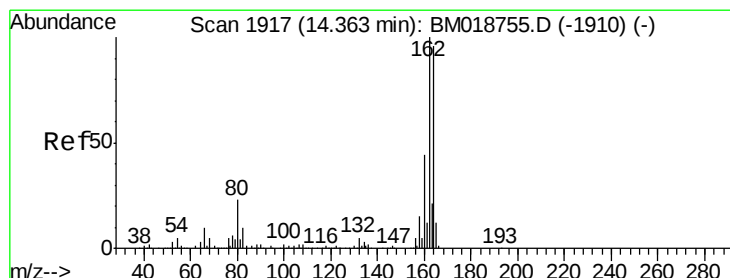
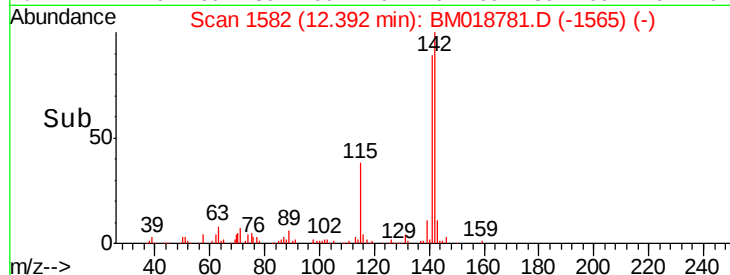
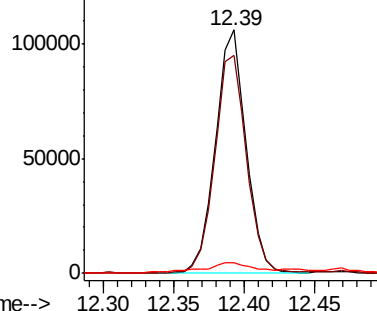
#38
1-Methylnaphthalene
Concen: 3.140 ng
RT: 12.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BM018781.D
Acq: 12 Feb 2019 20:16

Instrument :
BNA_M
ClientSampleId :
MW-1-20190207

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	73.9	110.9
116	4.2	3.0	4.4

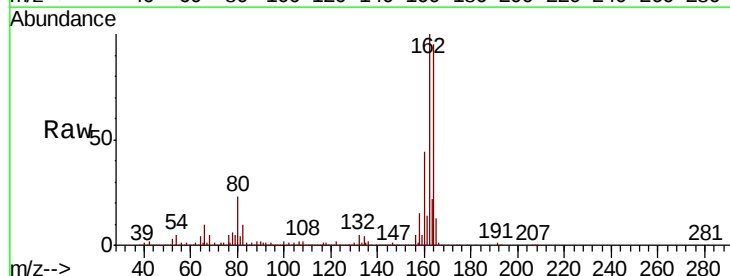


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

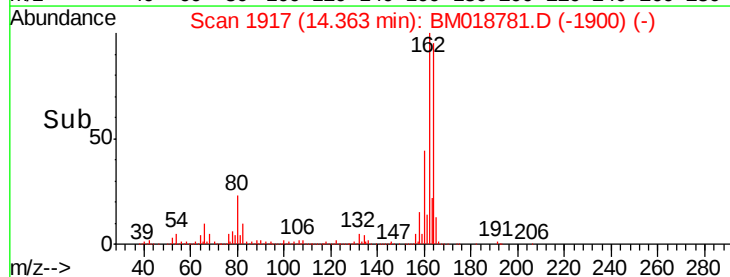
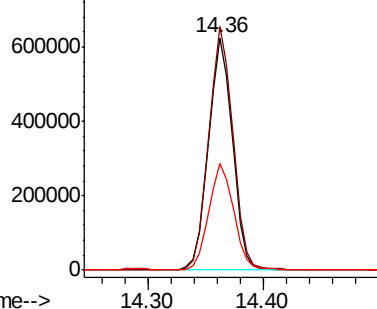


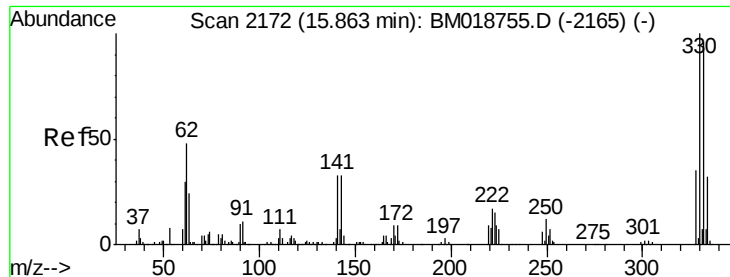
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.36 min Scan# 1917
Delta R.T. -0.00 min
Lab File: BM018781.D
Acq: 12 Feb 2019 20:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	83.4	125.0
160	45.8	36.6	55.0



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 137.637 ng

RT: 15.86 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BM018781.D

Acq: 12 Feb 2019 20:16

Instrument :

BNA_M

ClientSampleId :

MW-1-20190207

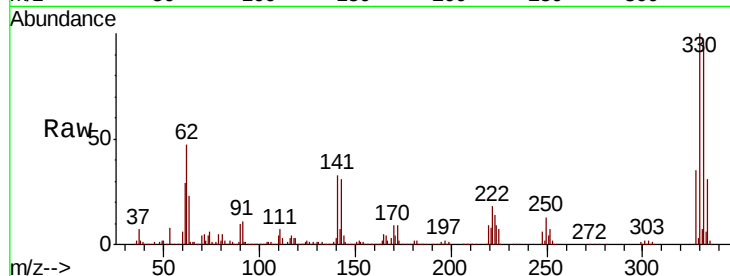
Tot Ion:330 Resp: 1789907

Ion Ratio Lower Upper

330 100

332 96.6 76.9 115.3

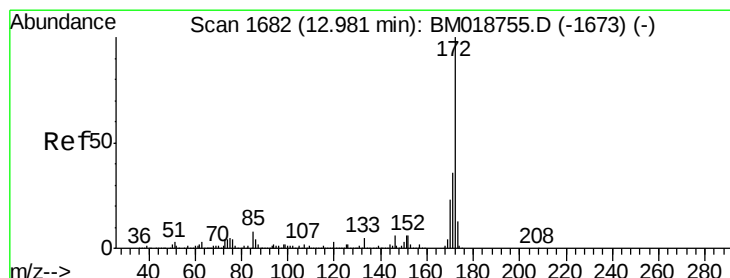
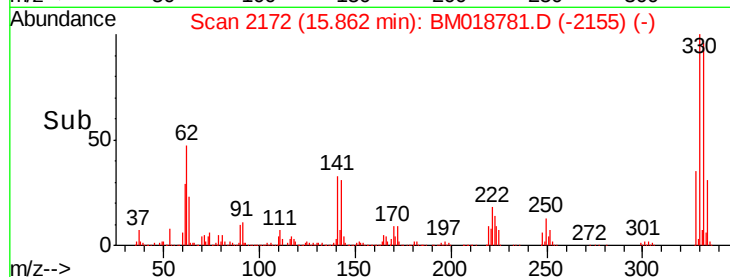
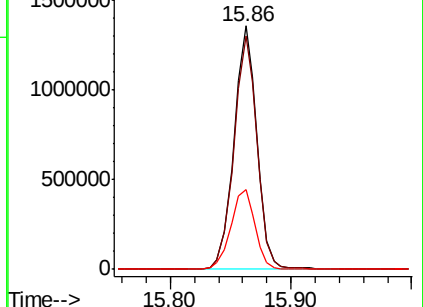
141 34.7 28.7 43.1



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



#45

2-Fluorobiphenyl

Concen: 81.881 ng

RT: 12.98 min Scan# 1682

Delta R.T. -0.00 min

Lab File: BM018781.D

Acq: 12 Feb 2019 20:16

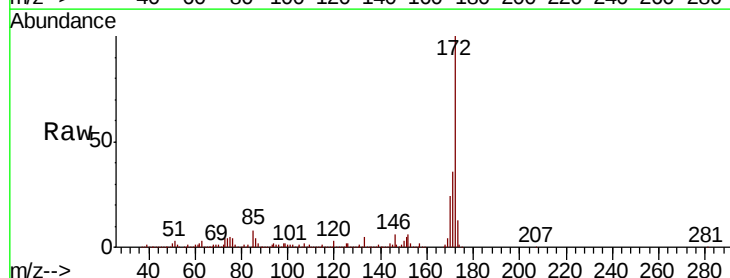
Tgt Ion:172 Resp: 5564770

Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.6

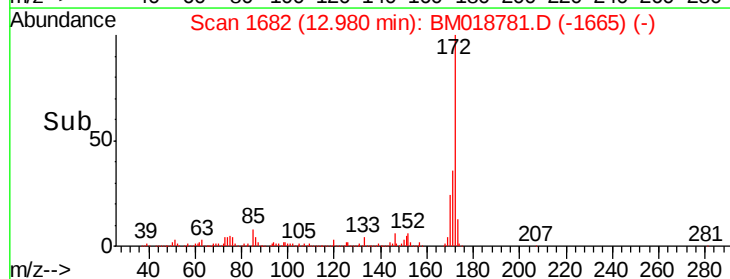
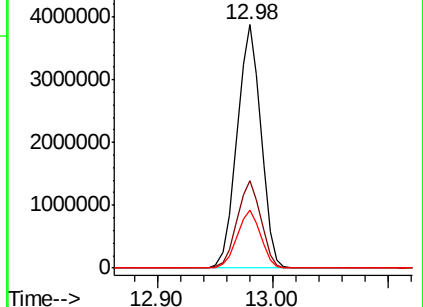
170 23.9 18.6 28.0

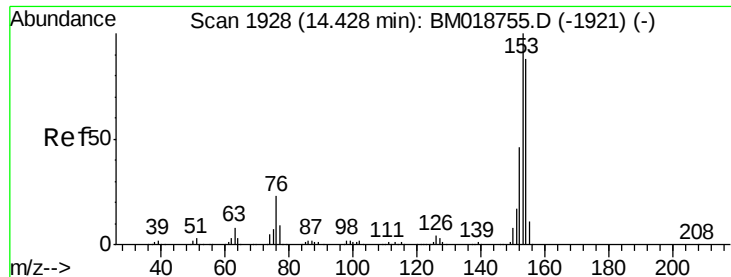


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#52

Acenaphthene

Concen: 9.346 ng

RT: 14.43 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BM018781.D

Acq: 12 Feb 2019 20:16

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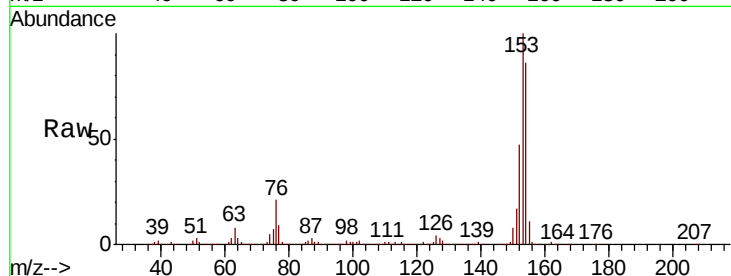
Tot Ion:154 Resp: 511818

Ion Ratio Lower Upper

154 100

153 116.3 91.3 136.9

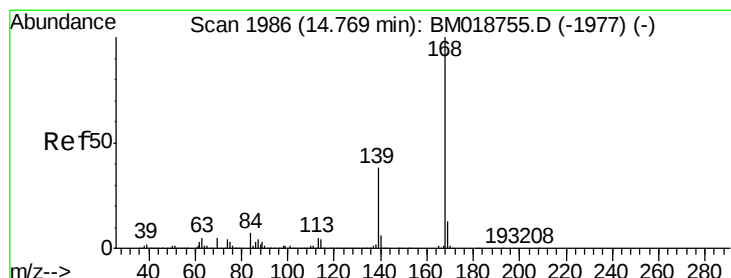
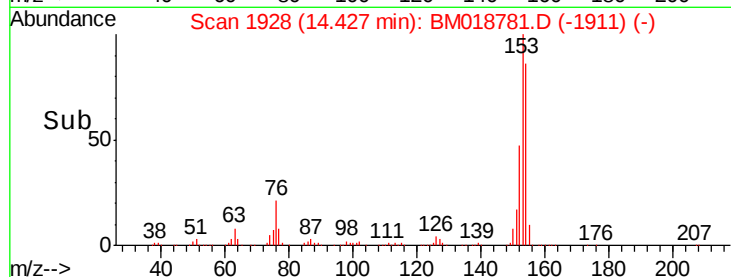
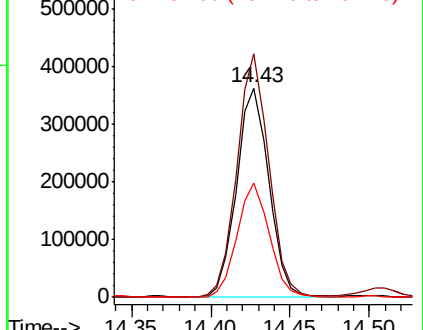
152 54.7 42.2 63.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 3.114 ng

RT: 14.76 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BM018781.D

Acq: 12 Feb 2019 20:16

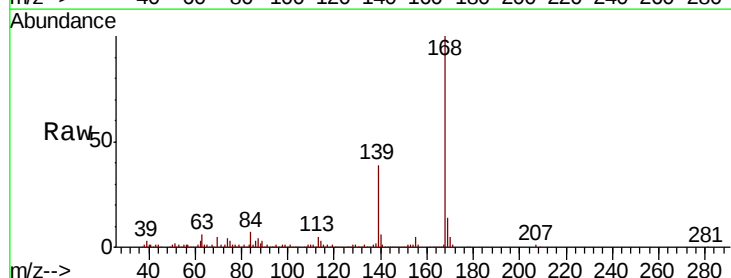
Tgt Ion:168 Resp: 280295

Ion Ratio Lower Upper

168 100

139 39.2 30.7 46.1

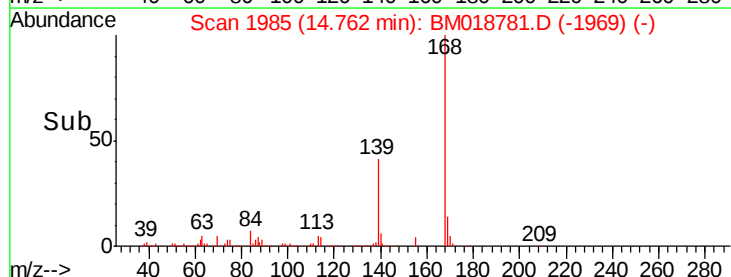
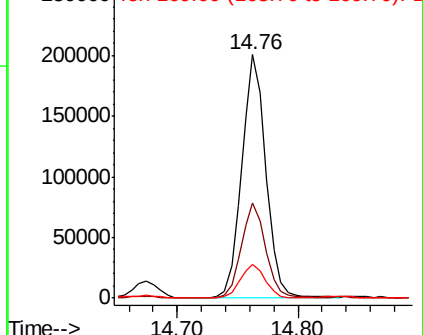
169 13.9 10.3 15.5

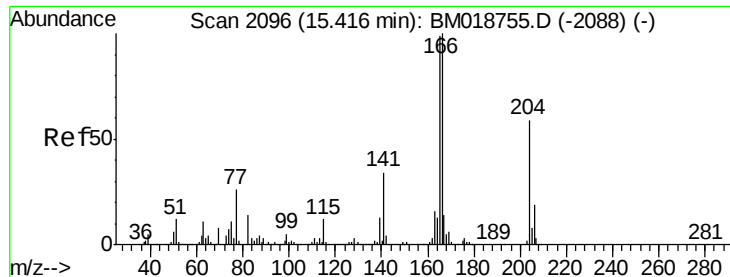


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 8.945 ng

RT: 15.42 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BM018781.D

Acq: 12 Feb 2019 20:16

Instrument :

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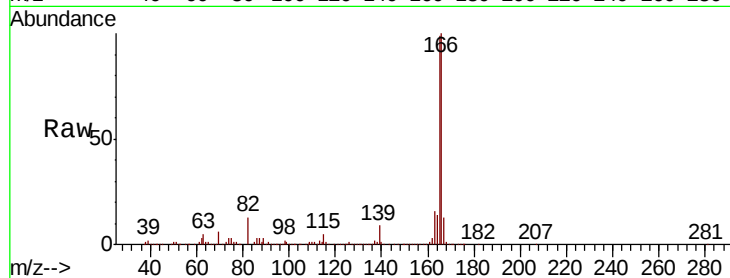
Tot Ion:166 Resp: 615996

Ion Ratio Lower Upper

166 100

165 99.1 79.1 118.7

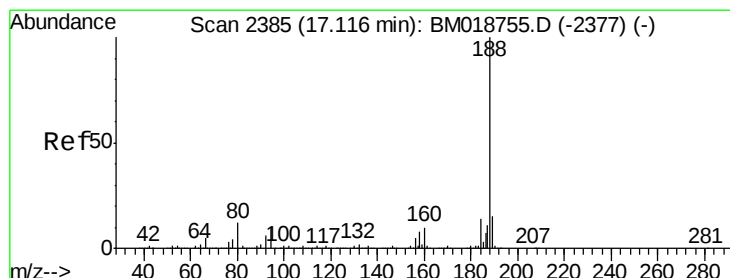
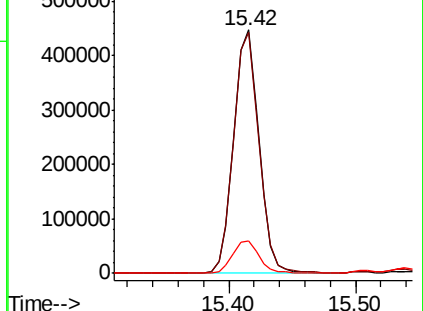
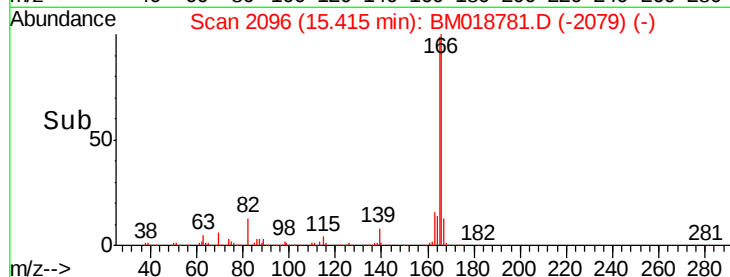
167 13.4 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.12 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BM018781.D

Acq: 12 Feb 2019 20:16

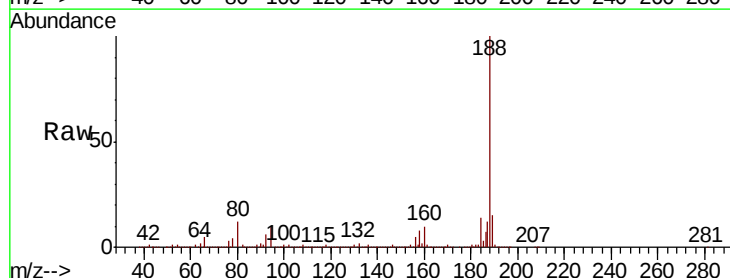
Tgt Ion:188 Resp: 2066280

Ion Ratio Lower Upper

188 100

94 10.2 8.2 12.2

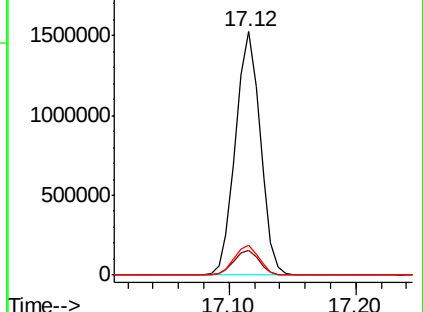
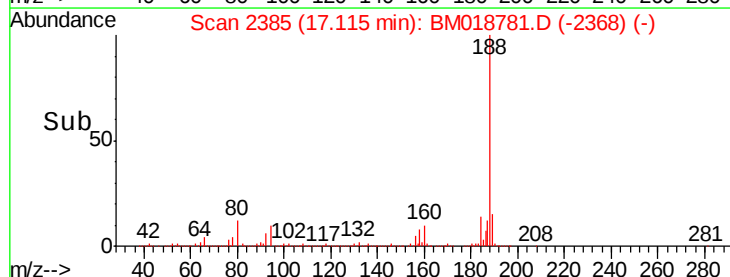
80 12.3 9.7 14.5

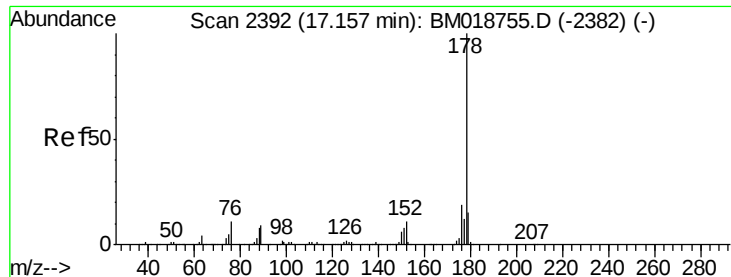


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

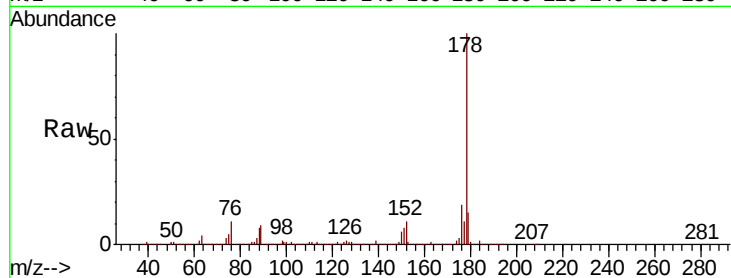




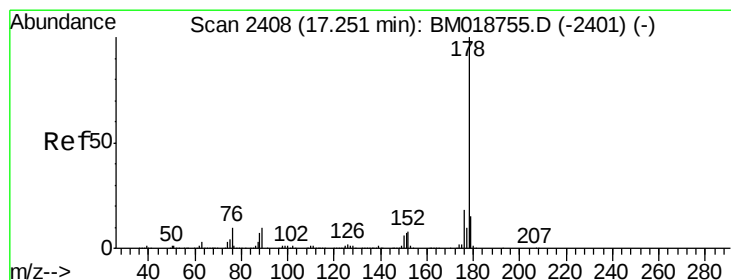
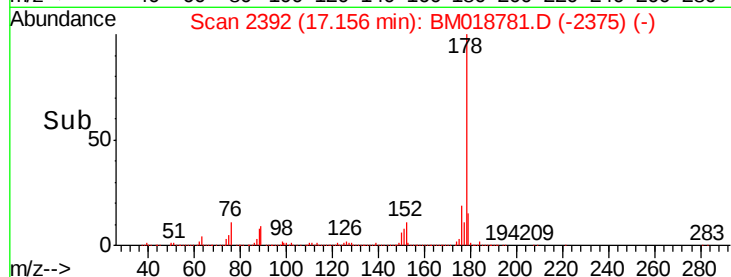
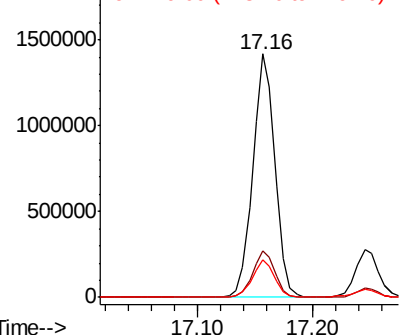
#71
Phenanthrene
Concen: 17.109 ng
RT: 17.16 min Scan# 2392
Delta R.T. -0.00 min
Lab File: BM018781.D
Acq: 12 Feb 2019 20:16

Instrument :
BNA_M
ClientSampleId :
MW-1-20190207

Tot Ion:178 Resp: 1899835
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.2 12.3 18.5

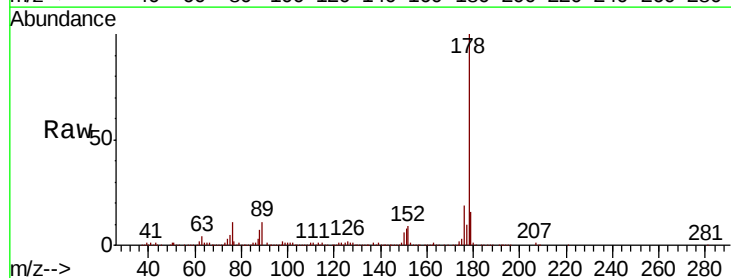


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

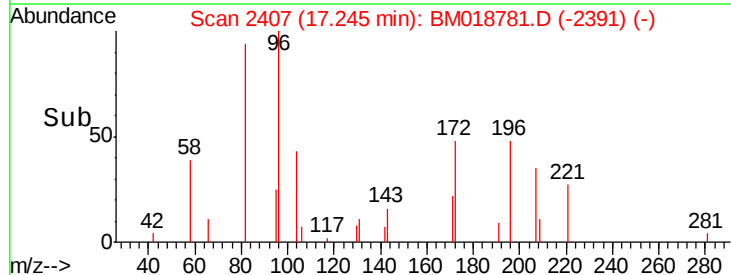
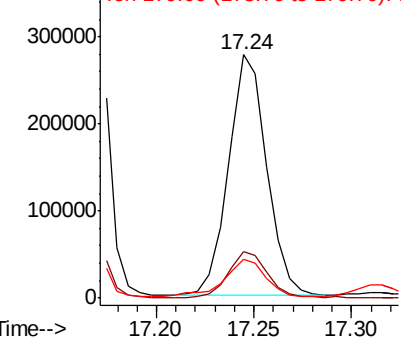


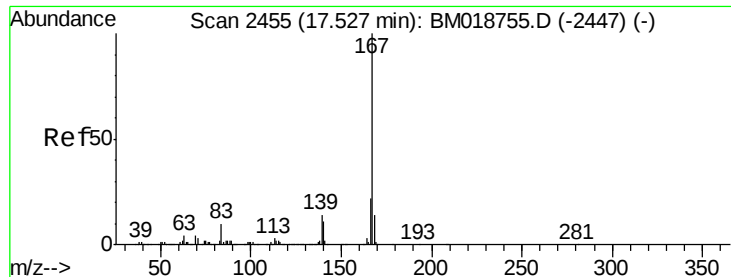
#72
Anthracene
Concen: 3.445 ng
RT: 17.24 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BM018781.D
Acq: 12 Feb 2019 20:16

Tgt Ion:178 Resp: 372297
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.9 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 2.724 ng

RT: 17.53 min Scan# 2455

Delta R.T. -0.00 min

Lab File: BM018781.D

Acq: 12 Feb 2019 20:16

Instrument :

BNA_M

ClientSampleId :

MW-1-20190207

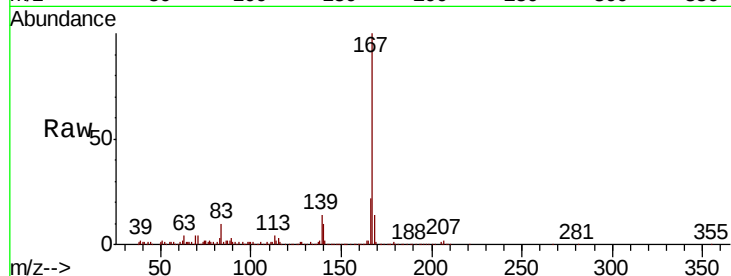
Tot Ion:167 Resp: 307653

Ion Ratio Lower Upper

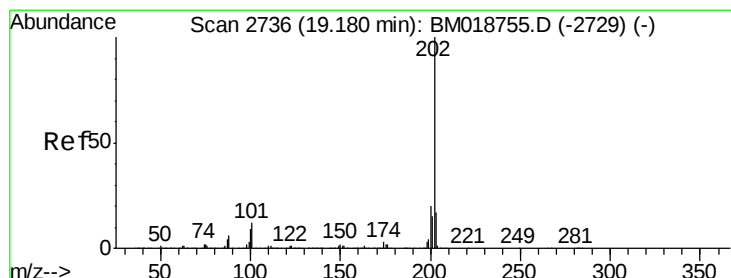
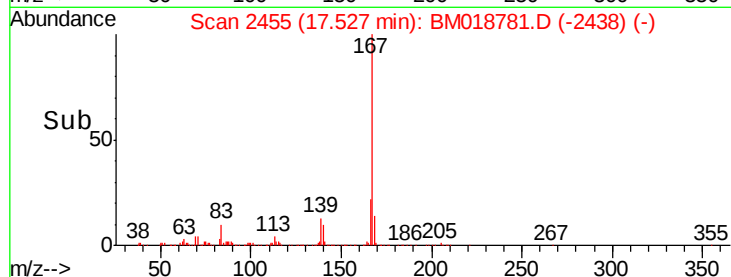
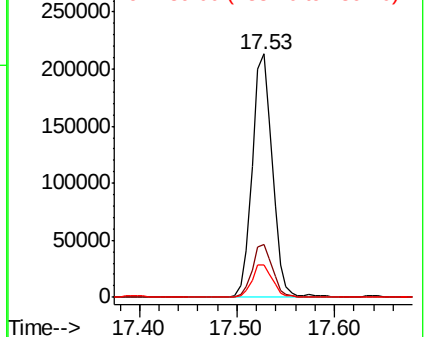
167 100

166 21.8 17.7 26.5

139 13.6 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 5.235 ng

RT: 19.17 min Scan# 2735

Delta R.T. -0.01 min

Lab File: BM018781.D

Acq: 12 Feb 2019 20:16

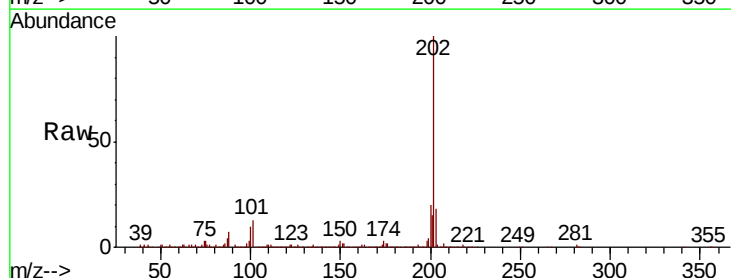
Tgt Ion:202 Resp: 671445

Ion Ratio Lower Upper

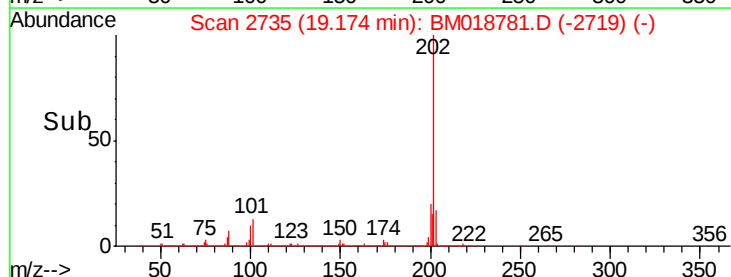
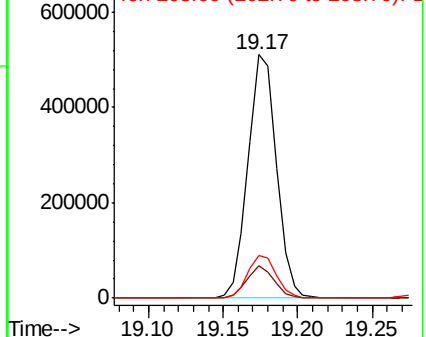
202 100

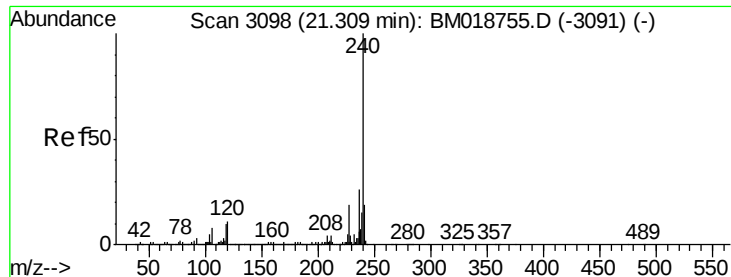
101 13.2 0.0 31.5

203 17.6 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.31 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BM018781.D

Acq: 12 Feb 2019 20:16

Instrument :

BNA_M

ClientSampleId :

MW-1-20190207

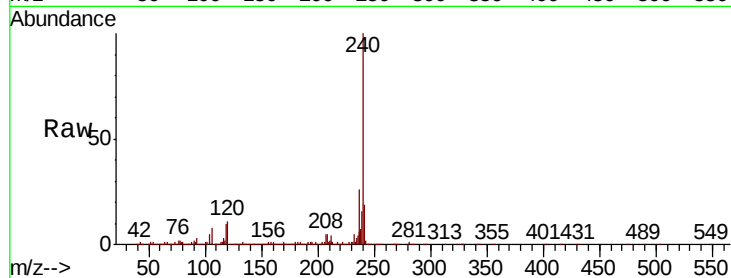
Tot Ion:240 Resp: 2300256

Ion Ratio Lower Upper

240 100

120 10.9 8.9 13.3

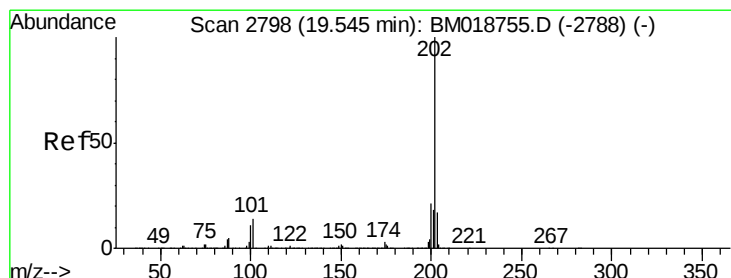
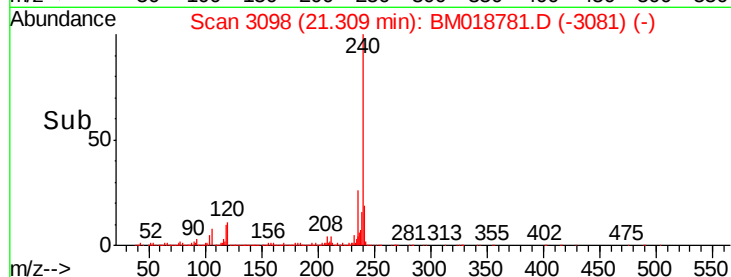
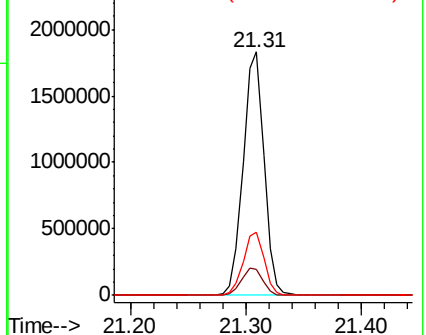
236 26.0 20.9 31.3



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



#78

Pyrene

Concen: 3.544 ng

RT: 19.54 min Scan# 2797

Delta R.T. -0.01 min

Lab File: BM018781.D

Acq: 12 Feb 2019 20:16

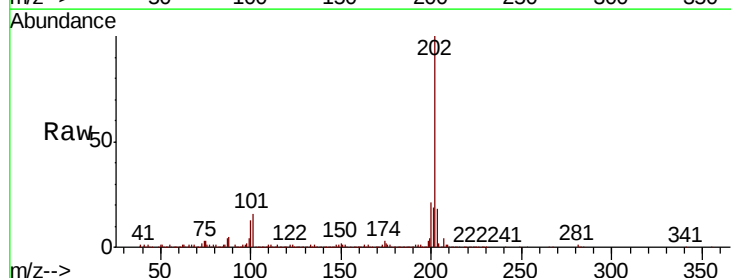
Tgt Ion:202 Resp: 473474

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

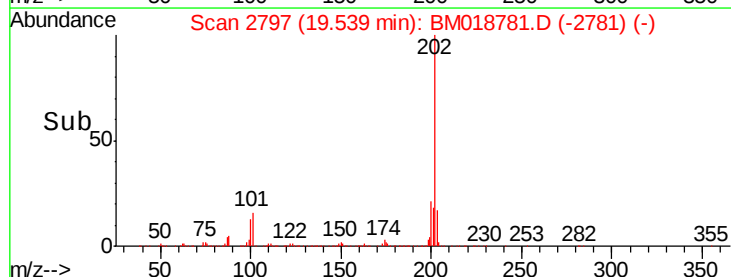
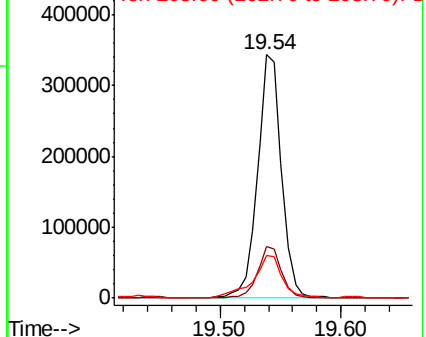
203 17.5 13.8 20.8

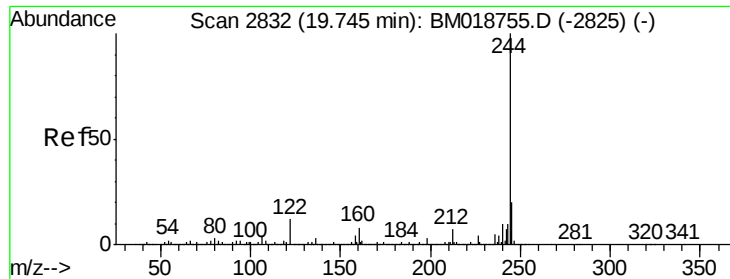


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 85.929 ng

RT: 19.75 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BM018781.D

Acq: 12 Feb 2019 20:16

Instrument :

BNA_M

ClientSampleId :

MW-1-20190207

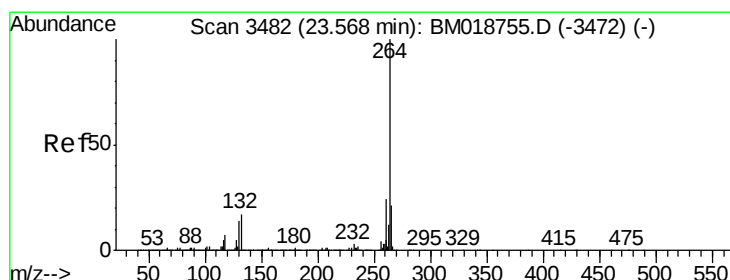
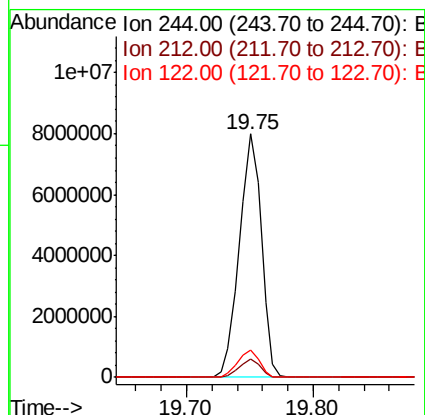
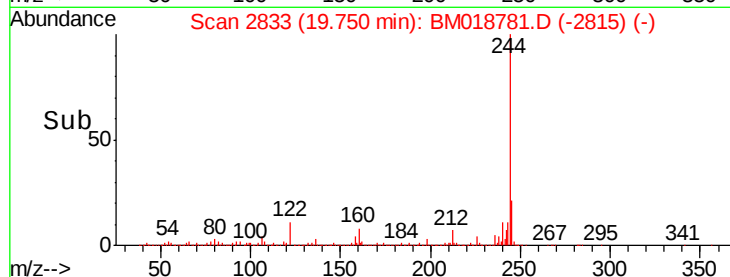
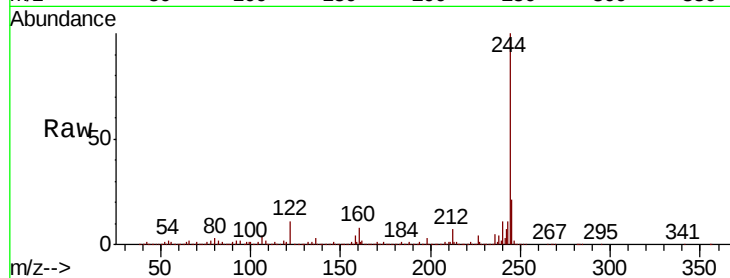
Tot Ion:244 Resp: 9581621

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

122 11.3 9.3 13.9



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.57 min Scan# 3482

Delta R.T. -0.00 min

Lab File: BM018781.D

Acq: 12 Feb 2019 20:16

Tgt Ion:264 Resp: 2258416

Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

265 21.8 17.3 25.9

