

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022119\
 Data File : BM018901.D
 Acq On : 21 Feb 2019 18:20
 Operator : JU/SJ
 Sample : K1546-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RT-3422

Quant Time: Feb 21 21:57:06 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

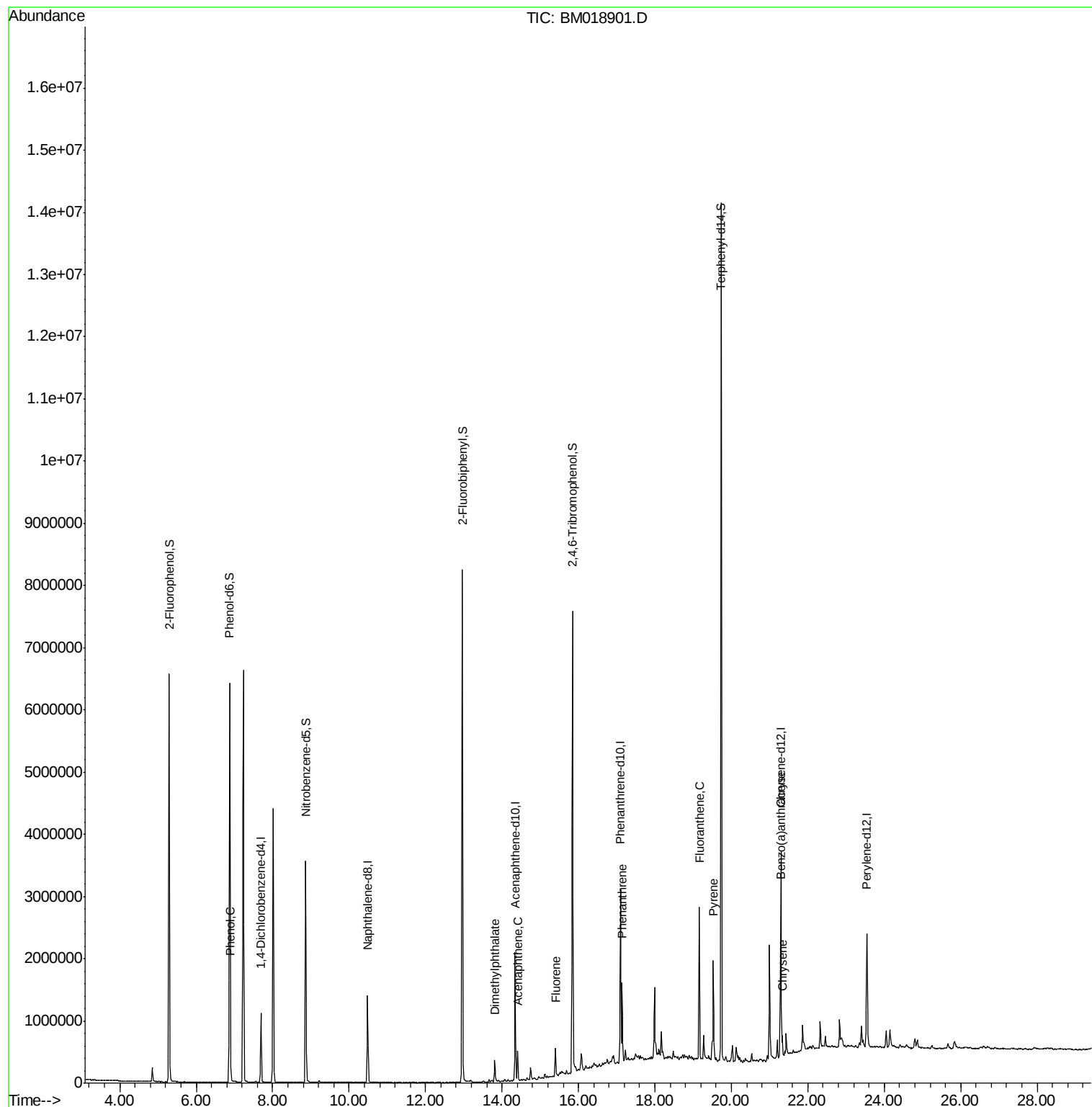
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	285817	20.00	ng	-0.02
21) Naphthalene-d8	10.49	136	1160934	20.00	ng	-0.02
39) Acenaphthene-d10	14.35	164	661869	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	1489705	20.00	ng	-0.02
76) Chrysene-d12	21.30	240	1471133	20.00	ng	-0.01
87) Perylene-d12	23.54	264	1333923	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	2600489	149.08	ng	-0.01
7) Phenol-d6	6.88	99	3616877	147.18	ng	-0.01
23) Nitrobenzene-d5	8.86	82	2323385	92.54	ng	-0.02
42) 2,4,6-Tribromophenol	15.85	330	1340530	140.51	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	4067182	81.57	ng	-0.02
79) Terphenyl-d14	19.73	244	6149957	86.24	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.88	77	7673	Below Cal		Qvalue # 11
10) Phenol	6.90	94	55491	2.146 ng		# 74
50) Dimethylphthalate	13.81	163	224457	4.069 ng		99
52) Acenaphthene	14.41	154	148989	3.708 ng		94
58) Fluorene	15.40	166	192445	3.809 ng		97
71) Phenanthrene	17.14	178	728509	9.100 ng		99
75) Fluoranthene	19.16	202	1321888	14.294 ng		99
78) Pyrene	19.53	202	921035	10.780 ng		100
81) Benzo(a)anthracene	21.28	228	206059	2.403 ng		98
83) Chrysene	21.33	228	164690	2.004 ng		99

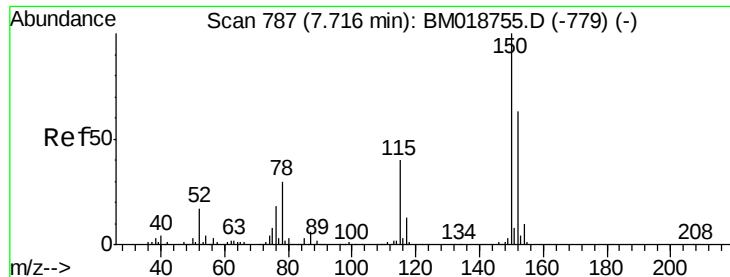
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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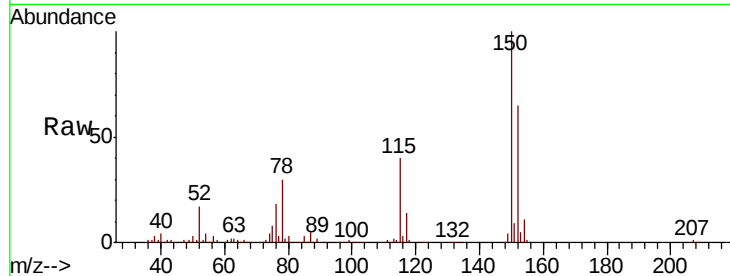


#1

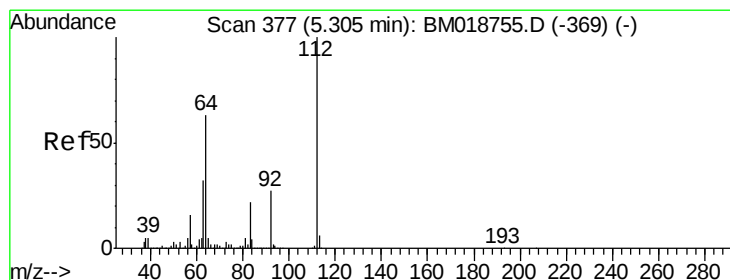
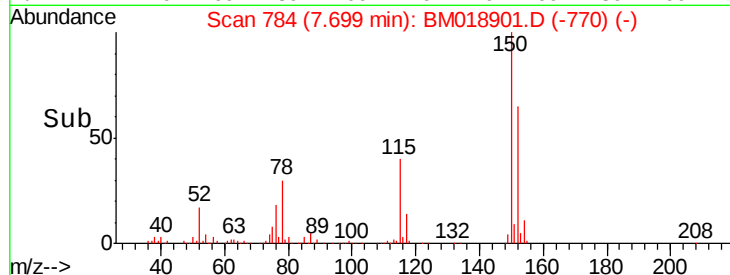
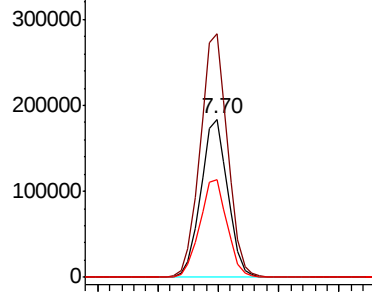
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.70 min Scan# 784
Delta R.T. -0.02 min
Lab File: BM018901.D
Acq: 21 Feb 2019 18:20

Instrument :
BNA_M
ClientSampleId :
RT-3422

Tgt Ion:152 Resp: 285817
Ion Ratio Lower Upper
152 100
150 154.1 127.3 190.9
115 62.0 50.8 76.2



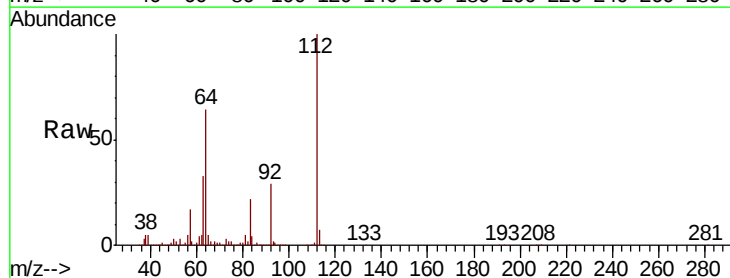
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



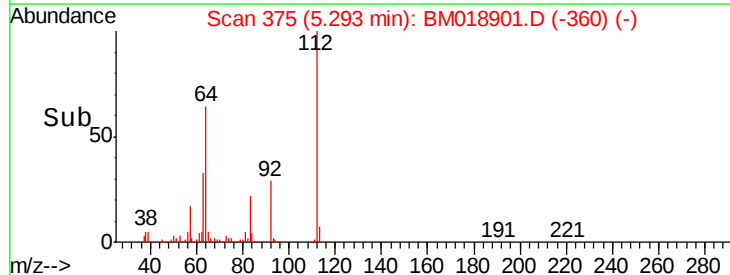
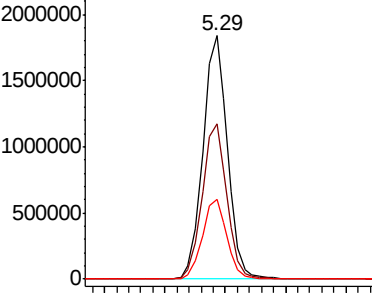
#5

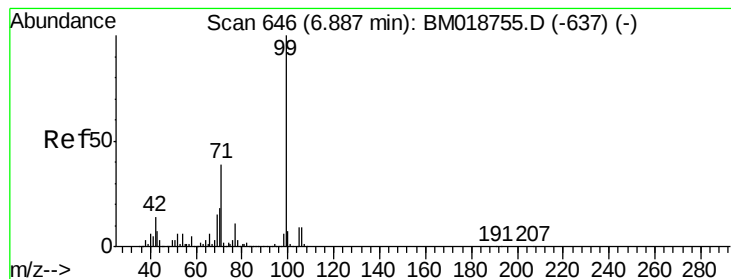
2-Fluorophenol
Concen: 149.076 ng
RT: 5.29 min Scan# 375
Delta R.T. -0.01 min
Lab File: BM018901.D
Acq: 21 Feb 2019 18:20

Tgt Ion:112 Resp: 2600489
Ion Ratio Lower Upper
112 100
64 64.0 50.6 75.8
63 32.6 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: 147.180 ng

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: BM018901.D

Acq: 21 Feb 2019 18:20

Instrument :

BNA_M

ClientSampleId :

RT-3422

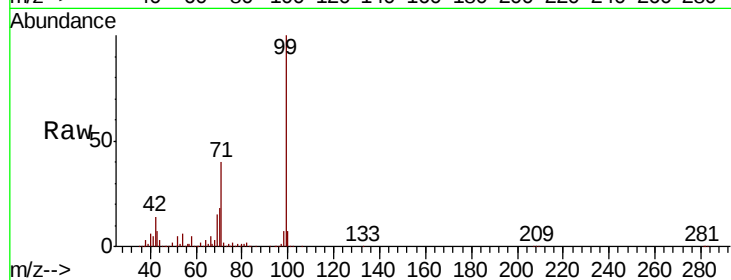
Tgt Ion: 99 Resp: 3616877

Ion Ratio Lower Upper

99 100

42 14.0 11.0 16.6

71 39.6 31.3 46.9

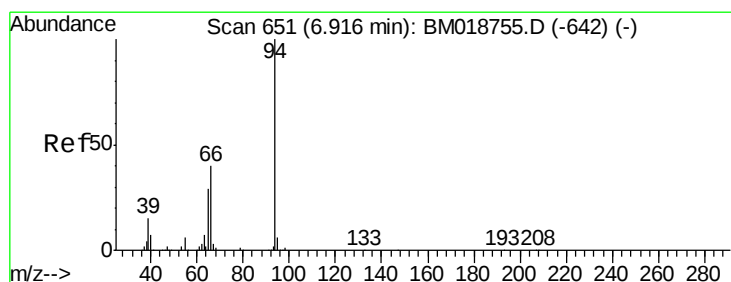
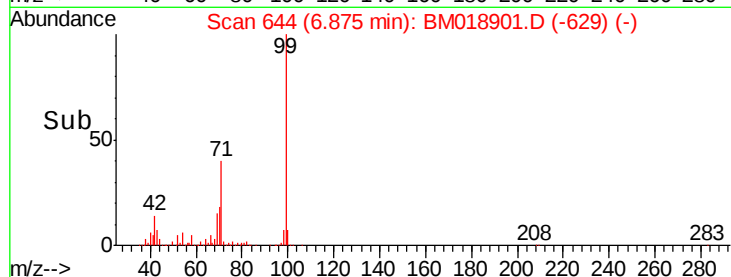
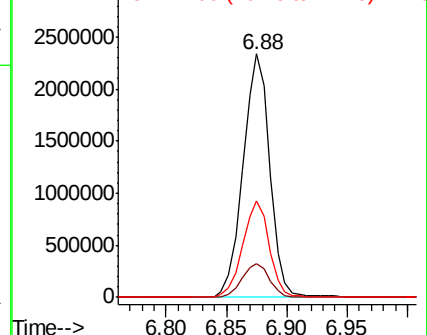


Abundance

Ion 99.00 (98.70 to 99.70): BM018901.D (-629) (-)

Ion 42.00 (41.70 to 42.70): BM018901.D (-629) (-)

Ion 71.00 (70.70 to 71.70): BM018901.D (-629) (-)



#10

Phenol

Concen: 2.146 ng

RT: 6.90 min Scan# 648

Delta R.T. -0.02 min

Lab File: BM018901.D

Acq: 21 Feb 2019 18:20

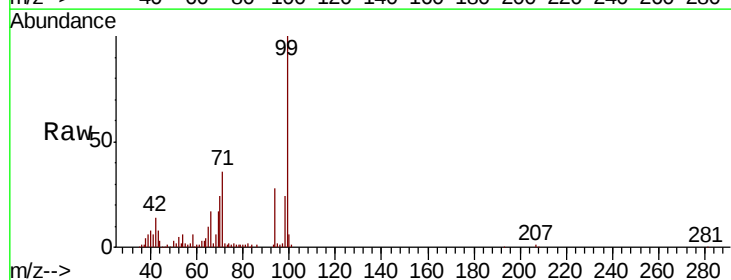
Tgt Ion: 94 Resp: 55491

Ion Ratio Lower Upper

94 100

65 37.7 9.6 49.6

66 62.0 20.4 60.4#

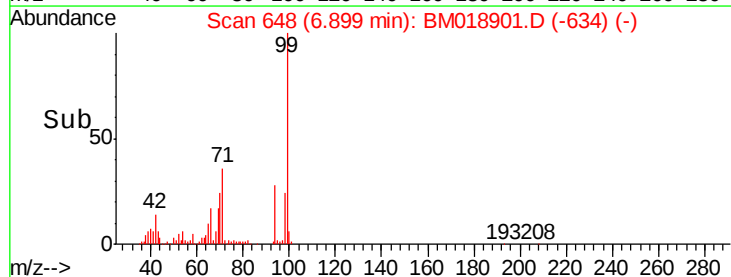
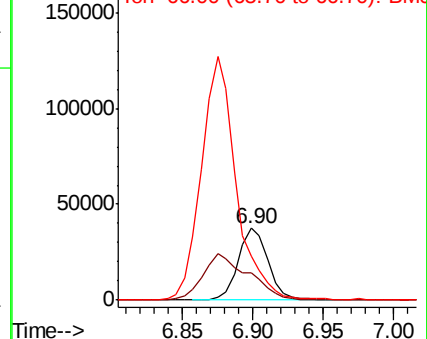


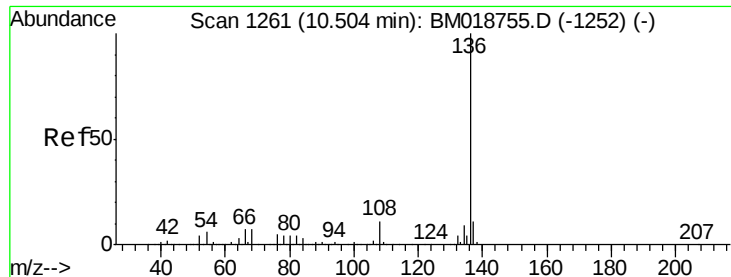
Abundance

Ion 94.00 (93.70 to 94.70): BM018901.D (-634) (-)

Ion 65.00 (64.70 to 65.70): BM018901.D (-634) (-)

Ion 66.00 (65.70 to 66.70): BM018901.D (-634) (-)

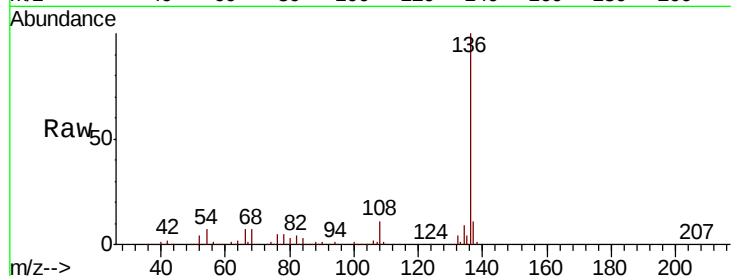




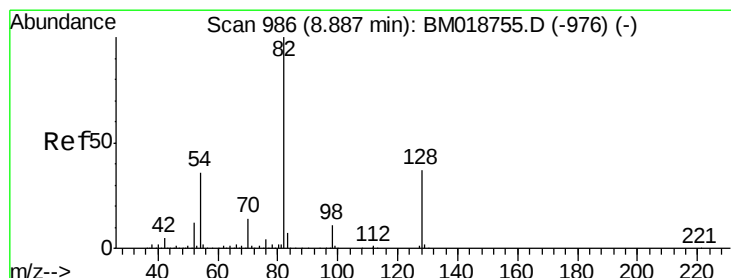
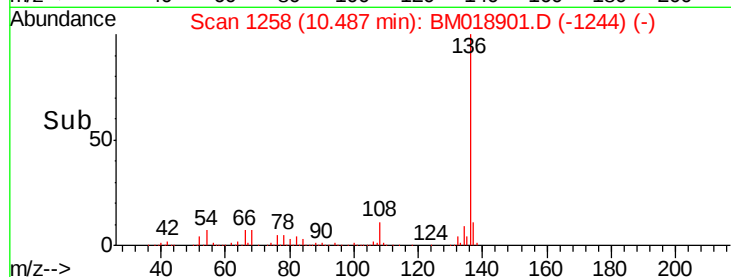
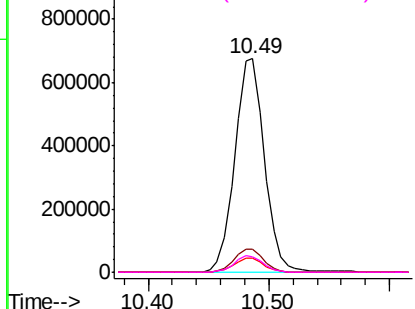
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.49 min Scan# 1258
Delta R.T. -0.02 min
Lab File: BM018901.D
Acq: 21 Feb 2019 18:20

Instrument :
BNA_M
ClientSampleId :
RT-3422

Tgt Ion:136 Resp: 1160934
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.6 5.0 7.6
68 7.2 5.5 8.3

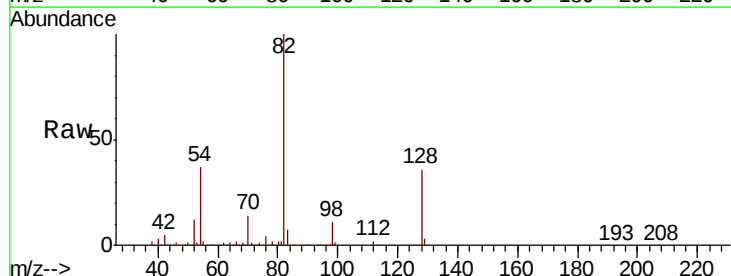


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

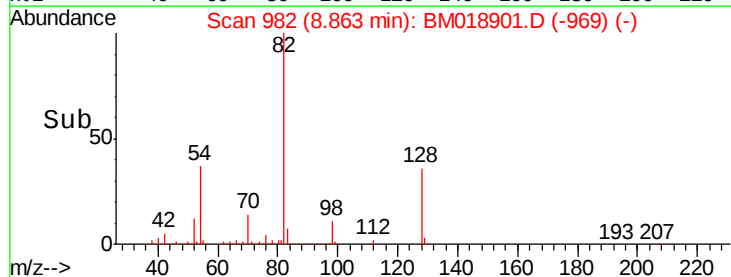
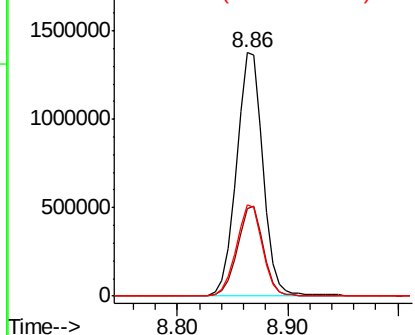


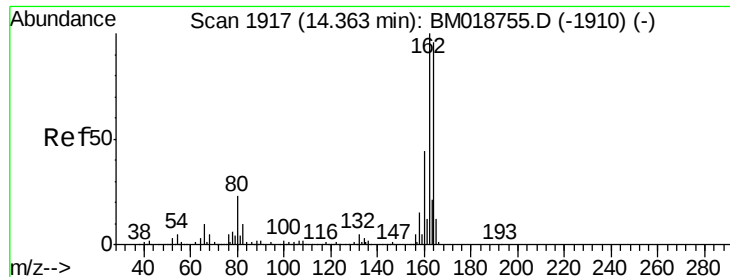
#23
Nitrobenzene-d5
Concen: 92.538 ng
RT: 8.86 min Scan# 982
Delta R.T. -0.02 min
Lab File: BM018901.D
Acq: 21 Feb 2019 18:20

Tgt Ion: 82 Resp: 2323385
Ion Ratio Lower Upper
82 100
128 35.9 29.9 44.9
54 37.3 29.1 43.7



Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.35 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018901.D

Acq: 21 Feb 2019 18:20

Instrument :

BNA_M

ClientSampleId :

RT-3422

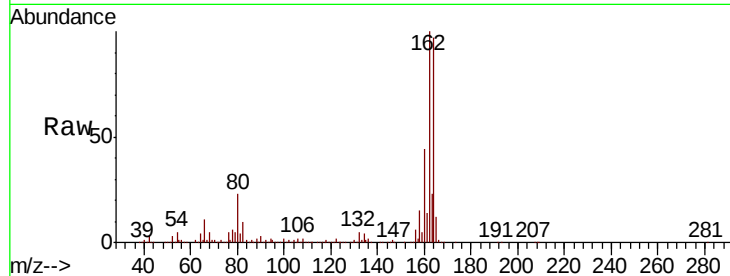
Tgt Ion:164 Resp: 661869

Ion Ratio Lower Upper

164 100

162 102.7 83.4 125.0

160 45.5 36.6 55.0

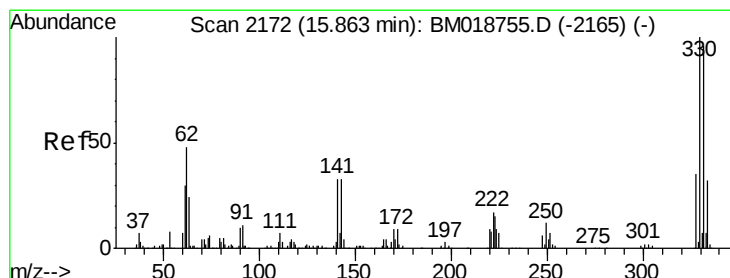
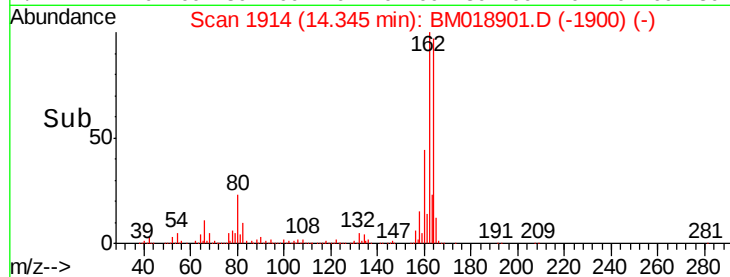
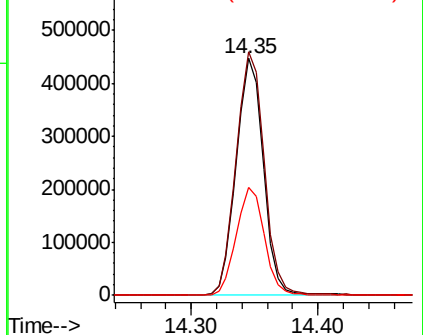


Abundance

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: 140.507 ng

RT: 15.85 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BM018901.D

Acq: 21 Feb 2019 18:20

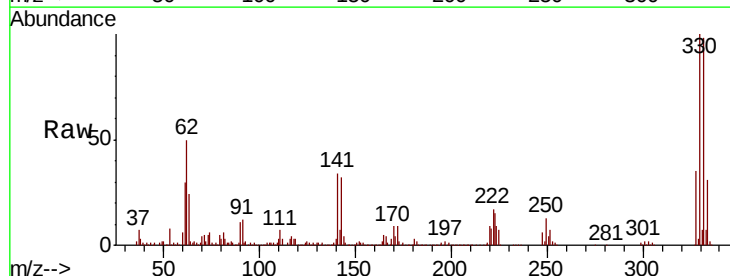
Tgt Ion:330 Resp: 1340530

Ion Ratio Lower Upper

330 100

332 97.3 76.9 115.3

141 35.2 28.7 43.1

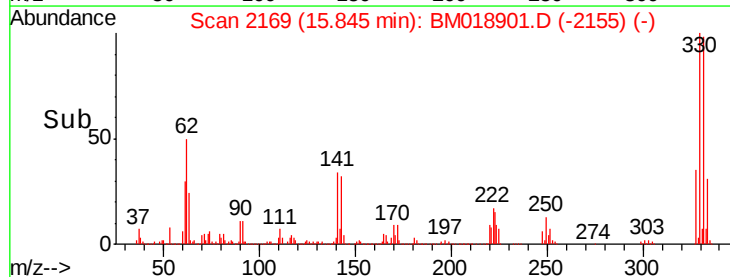
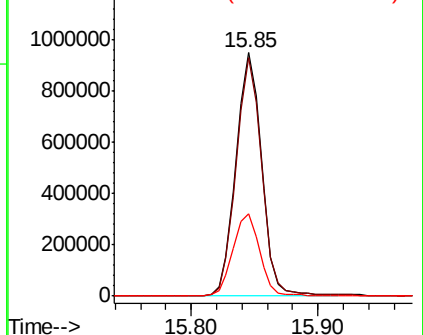


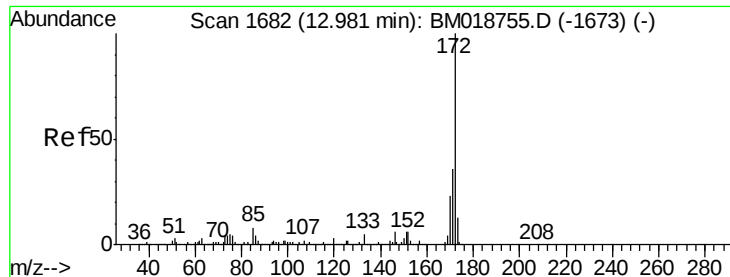
Abundance

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

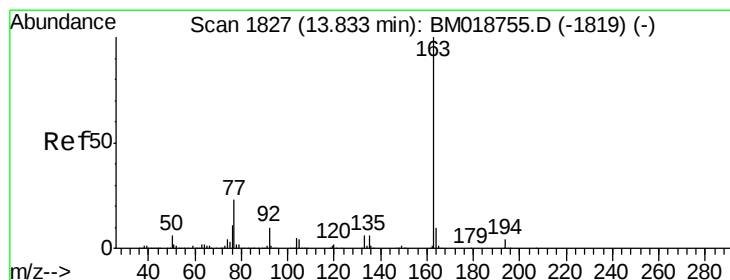
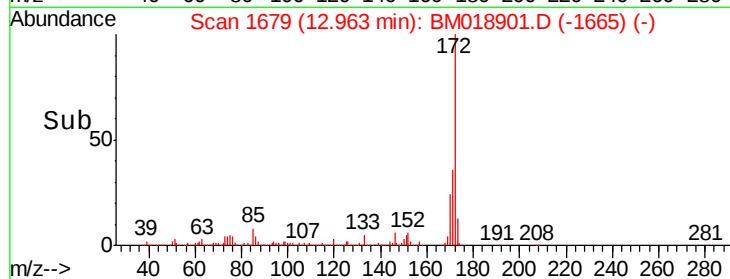
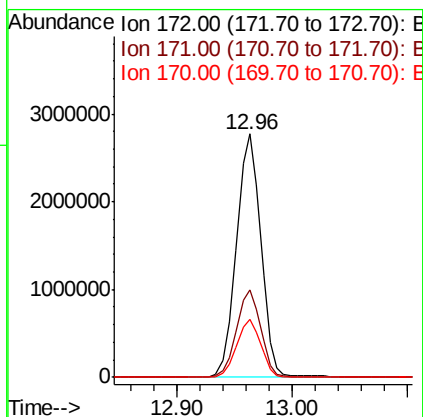
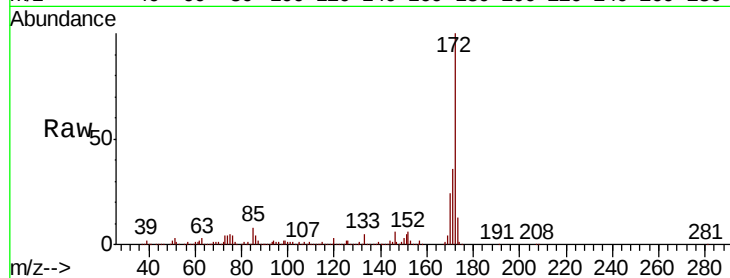




#45
 2-Fluorobiphenyl
 Concen: 81.573 ng
 RT: 12.96 min Scan# 1679
 Delta R.T. -0.02 min
 Lab File: BM018901.D
 Acq: 21 Feb 2019 18:20

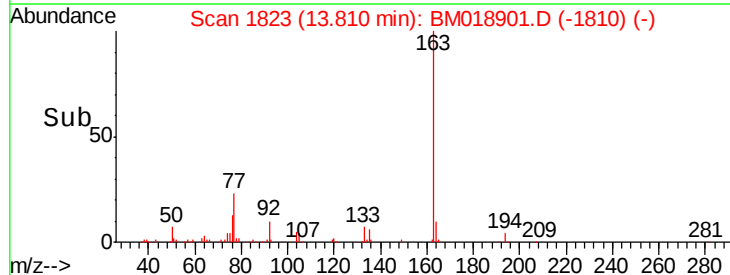
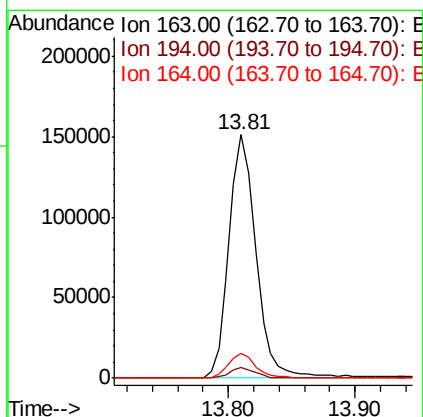
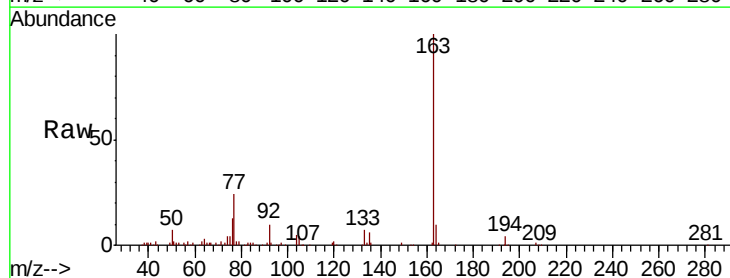
Instrument :
 BNA_M
 ClientSampleId :
 RT-3422

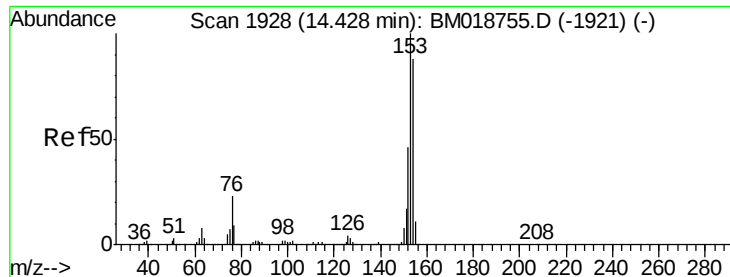
Tgt Ion:172 Resp: 4067182
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.6
 170 23.7 18.6 28.0



#50
 Dimethylphthalate
 Concen: 4.069 ng
 RT: 13.81 min Scan# 1823
 Delta R.T. -0.02 min
 Lab File: BM018901.D
 Acq: 21 Feb 2019 18:20

Tgt Ion:163 Resp: 224457
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.2 4.8
 164 10.1 7.8 11.8





#52

Acenaphthene

Concen: 3.708 ng

RT: 14.41 min Scan# 1925

Delta R.T. -0.02 min

Lab File: BM018901.D

Acq: 21 Feb 2019 18:20

Instrument :

BNA_M

ClientSampleId :

RT-3422

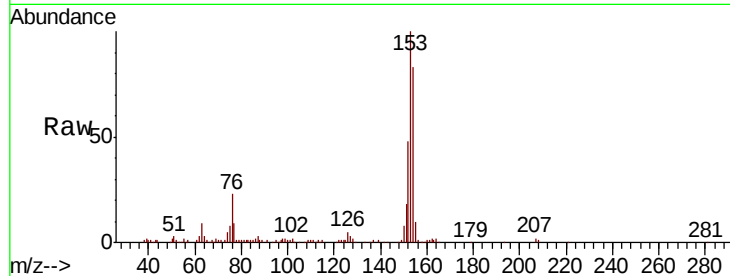
Tgt Ion:154 Resp: 148989

Ion Ratio Lower Upper

154 100

153 120.1 91.3 136.9

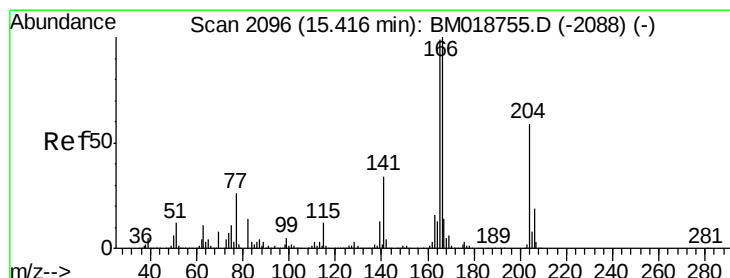
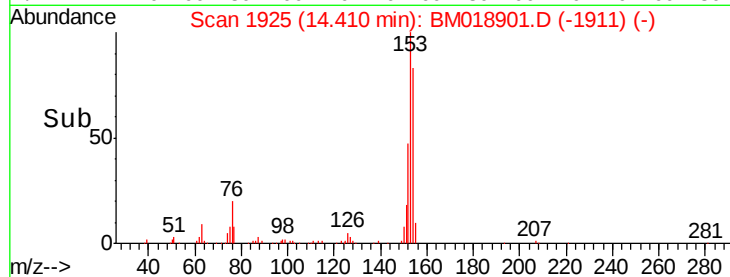
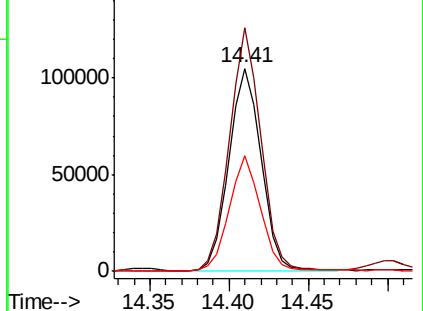
152 57.0 42.2 63.4



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



#58

Fluorene

Concen: 3.809 ng

RT: 15.40 min Scan# 2093

Delta R.T. -0.02 min

Lab File: BM018901.D

Acq: 21 Feb 2019 18:20

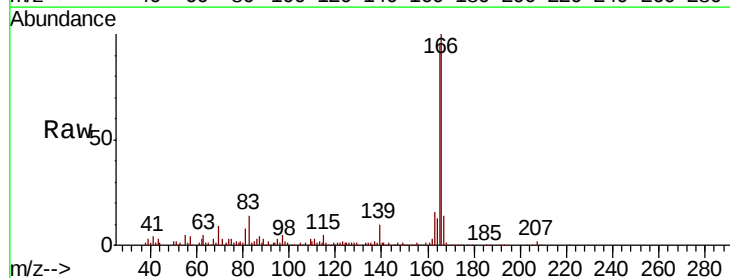
Tgt Ion:166 Resp: 192445

Ion Ratio Lower Upper

166 100

165 95.8 79.1 118.7

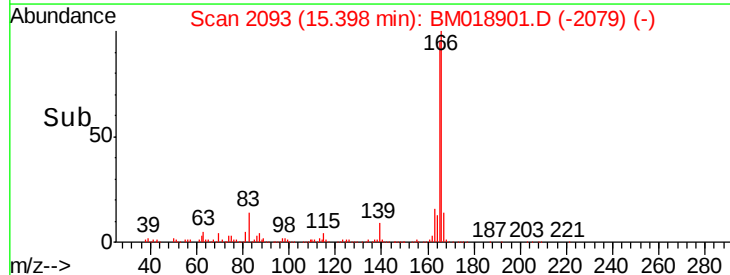
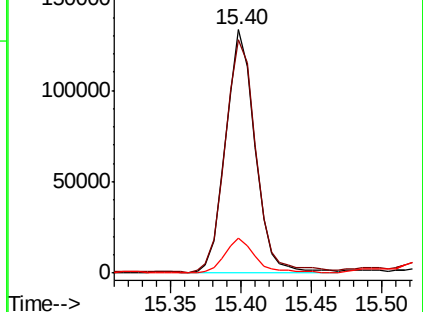
167 14.3 11.0 16.4

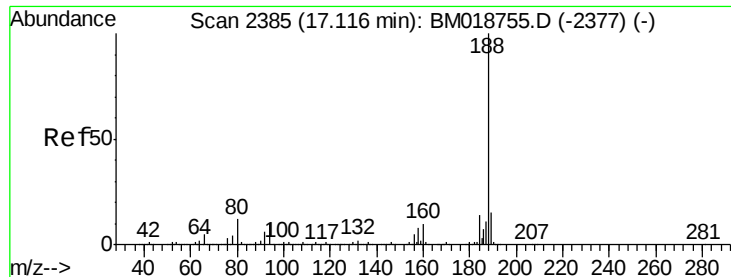


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.10 min Scan# 2382

Delta R.T. -0.02 min

Lab File: BM018901.D

Acq: 21 Feb 2019 18:20

Instrument :

BNA_M

ClientSampleId :

RT-3422

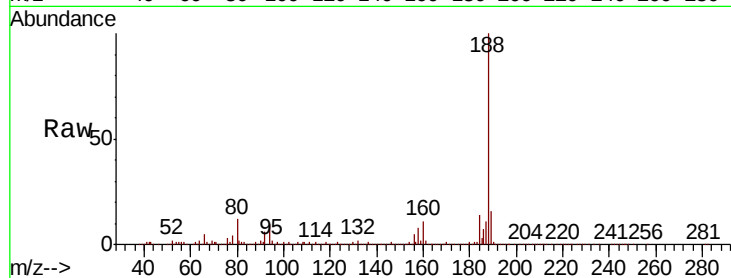
Tgt Ion:188 Resp: 1489705

Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.2

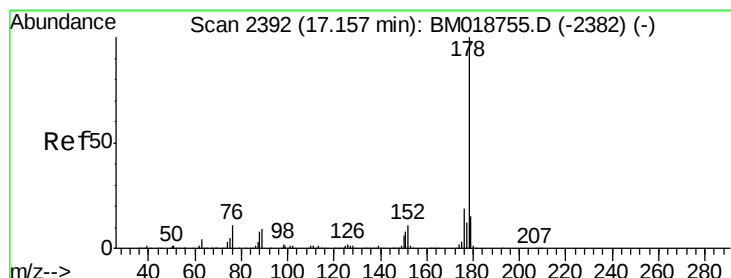
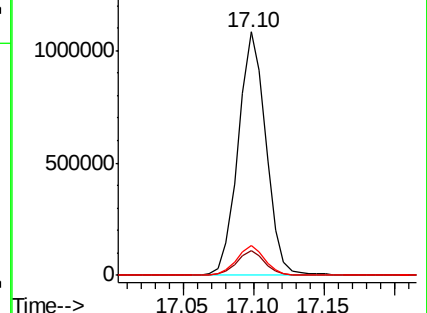
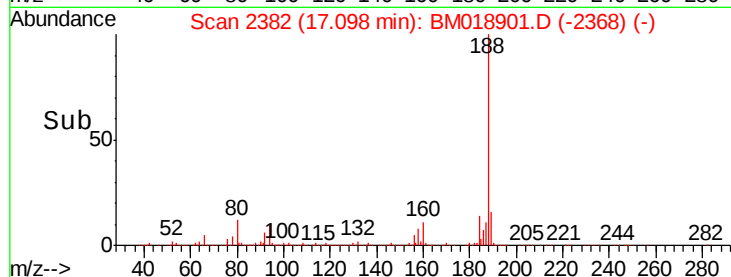
80 12.5 9.7 14.5



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: 9.100 ng

RT: 17.14 min Scan# 2389

Delta R.T. -0.02 min

Lab File: BM018901.D

Acq: 21 Feb 2019 18:20

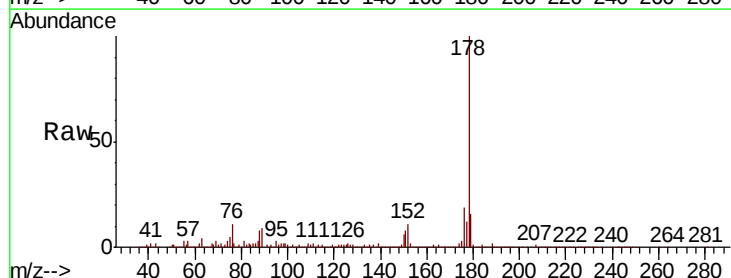
Tgt Ion:178 Resp: 728509

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

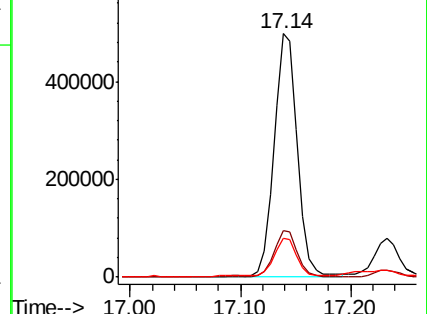
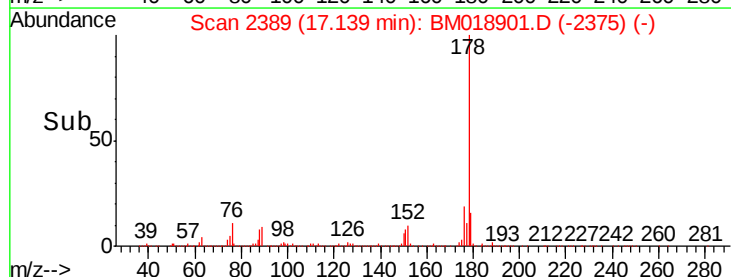
179 16.1 12.3 18.5

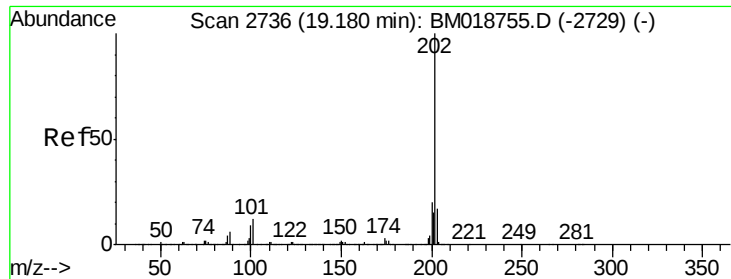


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 14.294 ng

RT: 19.16 min Scan# 2733

Delta R.T. -0.02 min

Lab File: BM018901.D

Acq: 21 Feb 2019 18:20

Instrument :

BNA_M

ClientSampleId :

RT-3422

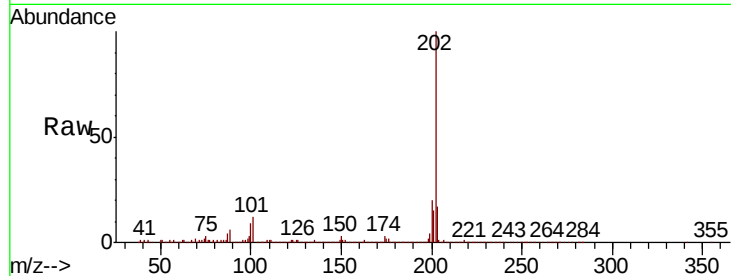
Tgt Ion:202 Resp: 1321888

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.5

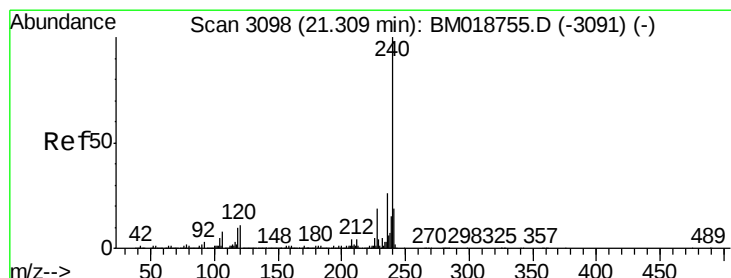
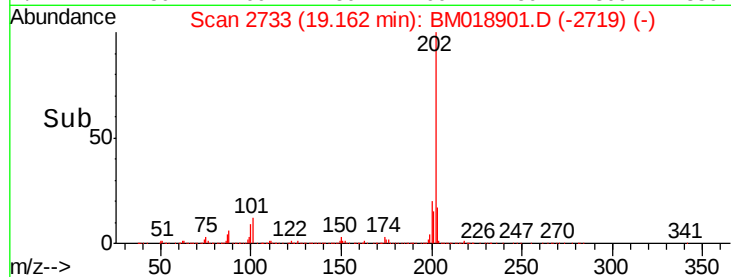
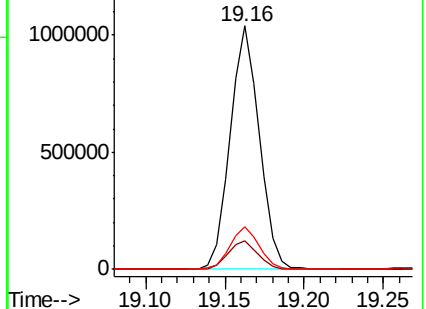
203 17.4 0.0 37.3



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: 21.30 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BM018901.D

Acq: 21 Feb 2019 18:20

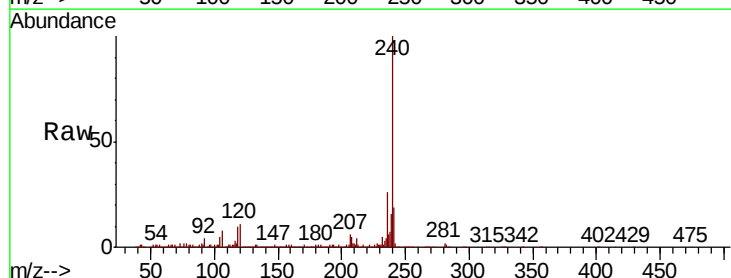
Tgt Ion:240 Resp: 1471133

Ion Ratio Lower Upper

240 100

120 10.9 8.9 13.3

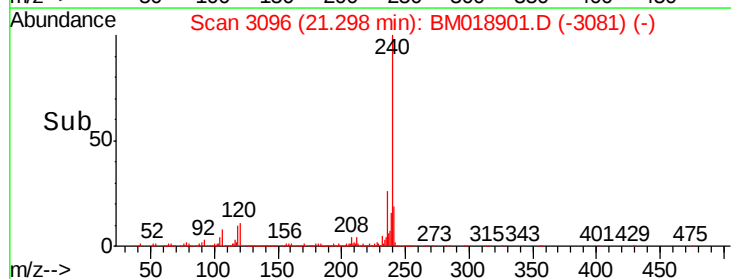
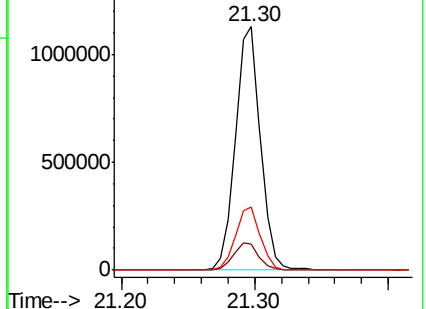
236 26.2 20.9 31.3

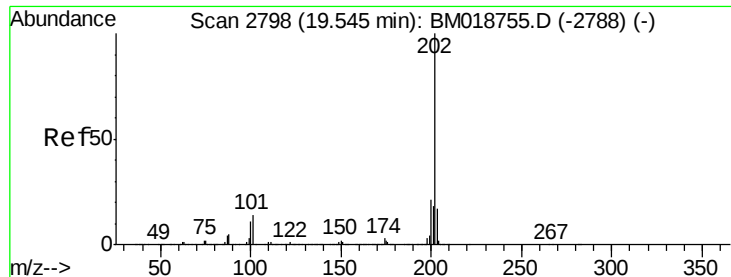


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

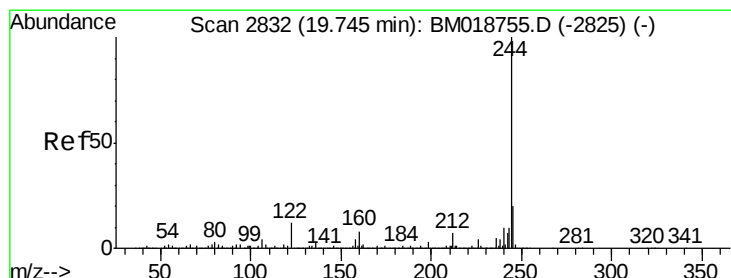
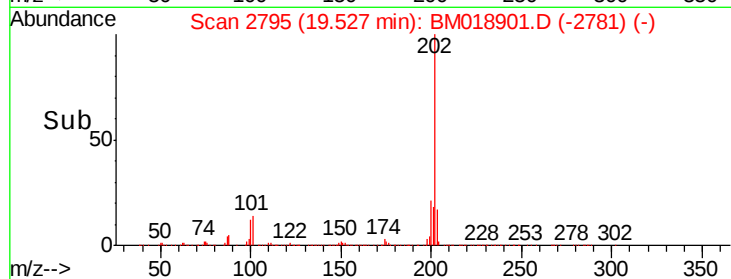
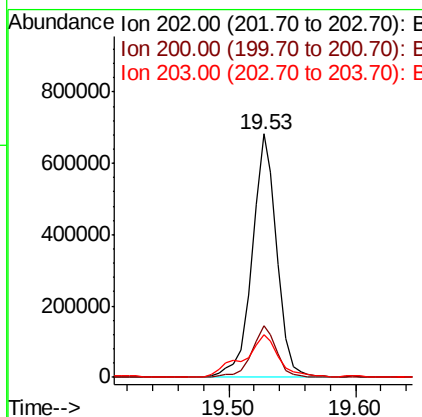
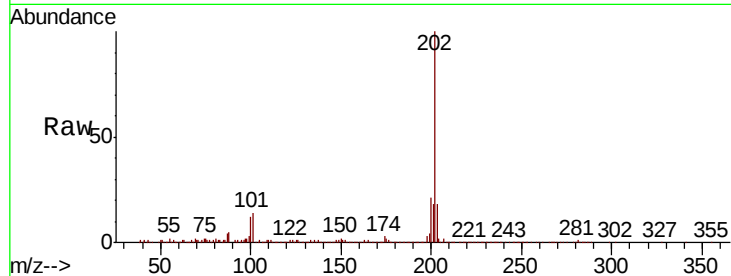




#78
 Pyrene
 Concen: 10.780 ng
 RT: 19.53 min Scan# 2795
 Delta R.T. -0.02 min
 Lab File: BM018901.D
 Acq: 21 Feb 2019 18:20

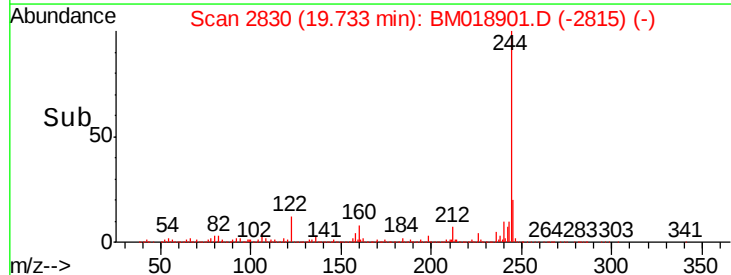
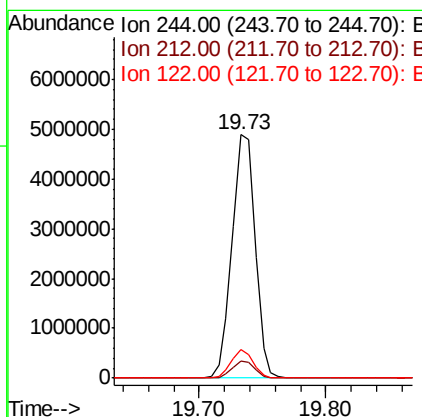
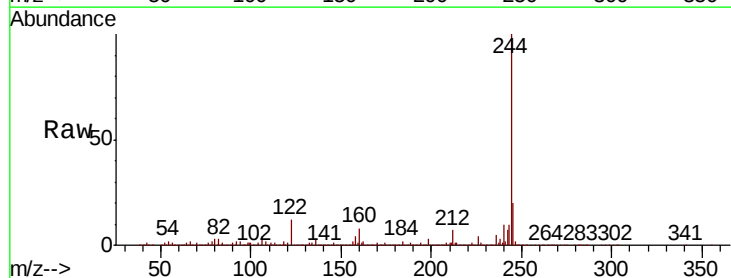
Instrument :
 BNA_M
 ClientSampleId :
 RT-3422

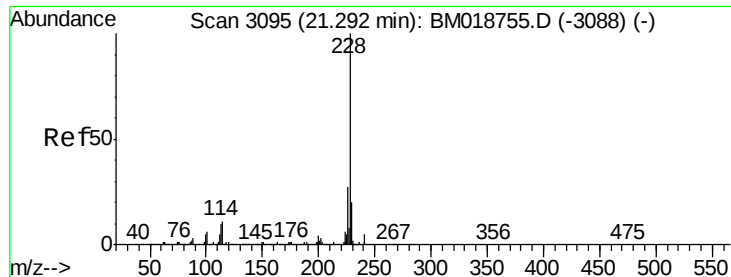
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.5	13.8	20.8



#79
 Terphenyl-d14
 Concen: 86.238 ng
 RT: 19.73 min Scan# 2830
 Delta R.T. -0.01 min
 Lab File: BM018901.D
 Acq: 21 Feb 2019 18:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.7	9.3	13.9

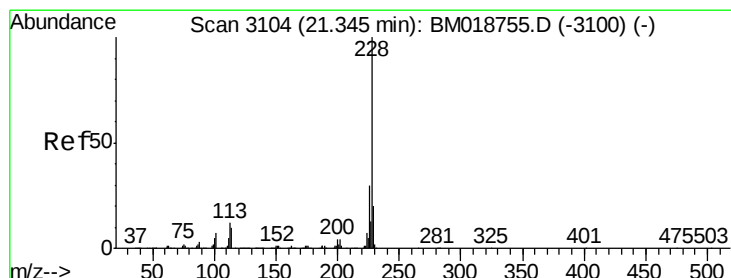
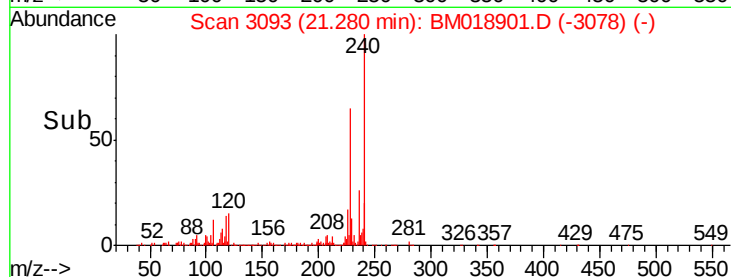
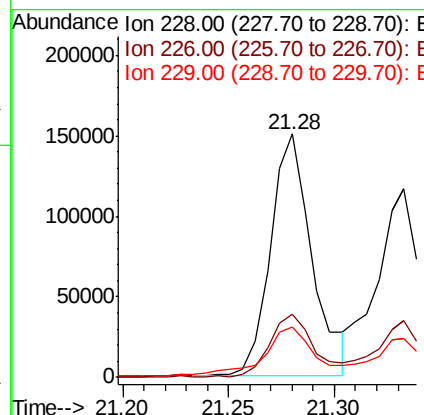
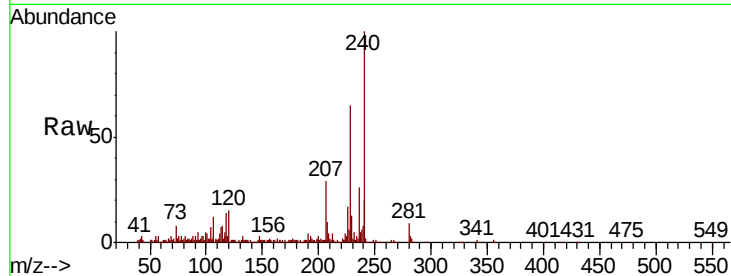




#81
Benzo(a)anthracene
Concen: 2.403 ng
RT: 21.28 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM018901.D
Acq: 21 Feb 2019 18:20

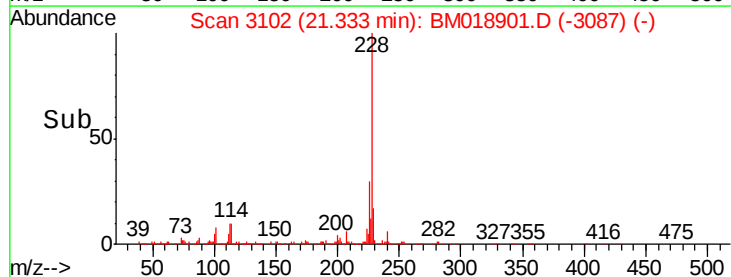
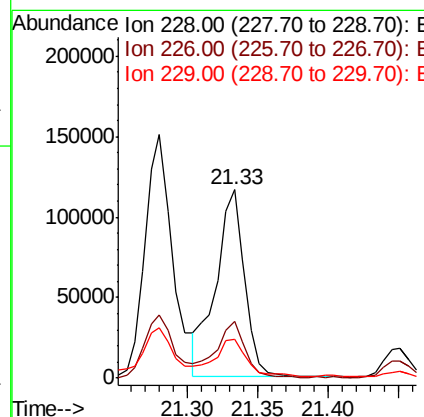
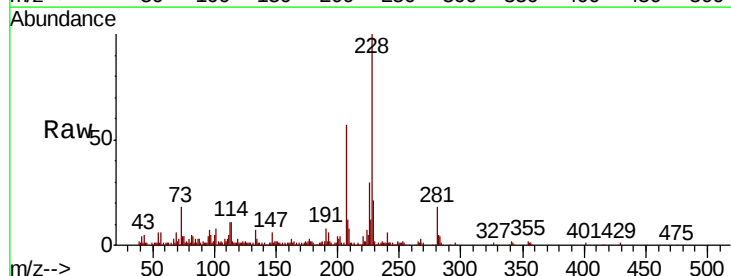
Instrument :
BNA_M
ClientSampleId :
RT-3422

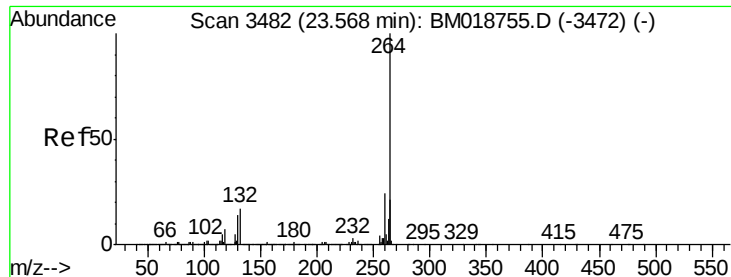
Tgt Ion:228 Resp: 206059
Ion Ratio Lower Upper
228 100
226 26.1 21.9 32.9
229 20.4 15.9 23.9



#83
Chrysene
Concen: 2.004 ng
RT: 21.33 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM018901.D
Acq: 21 Feb 2019 18:20

Tgt Ion:228 Resp: 164690
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 20.8 16.0 24.0





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.54 min Scan# 3478

Delta R.T. -0.02 min

Lab File: BM018901.D

Acq: 21 Feb 2019 18:20

Instrument :

BNA_M

ClientSampleId :

RT-3422

Tgt Ion:264 Resp: 1333923

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 22.0 17.3 25.9

