

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM030119\
 Data File : BM018994.D
 Acq On : 01 Mar 2019 19:32
 Operator : JU/SJ
 Sample : K1655-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 200051

Quant Time: Mar 01 22:26:35 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	7.68	152	251363	20.00	ng	-0.04
21) Naphthalene-d8	10.47	136	1036326	20.00	ng	-0.04
39) Acenaphthene-d10	14.33	164	605880	20.00	ng	-0.03
64) Phenanthrene-d10	17.09	188	1365702	20.00	ng	-0.03
76) Chrysene-d12	21.29	240	1265290	20.00	ng	-0.02
87) Perylene-d12	23.53	264	1126732	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	1547357	100.86	ng	-0.03
7) Phenol-d6	6.86	99	2215346	102.50	ng	-0.03
23) Nitrobenzene-d5	8.85	82	1386339	61.86	ng	-0.04
42) 2,4,6-Tribromophenol	15.83	330	857212	98.15	ng	-0.03
45) 2-Fluorobiphenyl	12.95	172	2715011	59.49	ng	-0.04
79) Terphenyl-d14	19.72	244	3821307	62.30	ng	-0.02

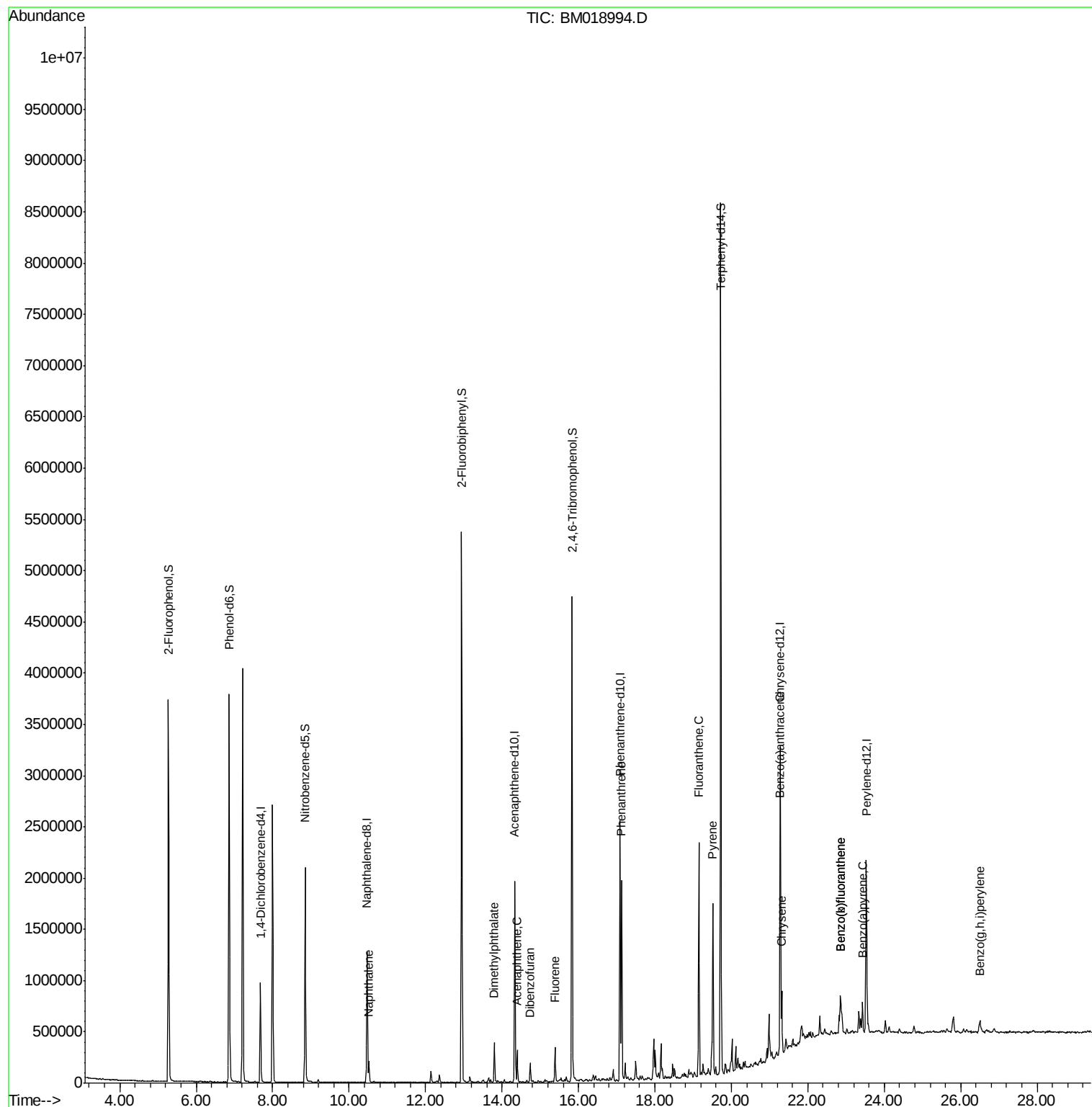
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.86	77	5713	Below Cal		# 7
31) Naphthalene	10.52	128	164941	3.263	ng	99
50) Dimethylphthalate	13.80	163	251003	4.971	ng	99
52) Acenaphthene	14.40	154	105276	2.862	ng	97
55) Dibenzofuran	14.74	168	122564	2.027	ng	99
58) Fluorene	15.39	166	147792	3.196	ng	97
71) Phenanthrene	17.13	178	1117358	15.224	ng	99
75) Fluoranthene	19.15	202	1288961	15.204	ng	99
78) Pyrene	19.52	202	999266	13.598	ng	100
81) Benzo(a)anthracene	21.27	228	304075	4.123	ng	100
83) Chrysene	21.32	228	311645	4.408	ng	99
88) Benzo(b)fluoranthene	22.86	252	411578	6.385	ng	97
89) Benzo(k)fluoranthene	22.86	252	412867	6.433	ng	97
90) Benzo(a)pyrene	23.43	252	205397	3.363	ng	98
92) Benzo(g,h,i)perylene	26.50	276	126697	2.249	ng	96

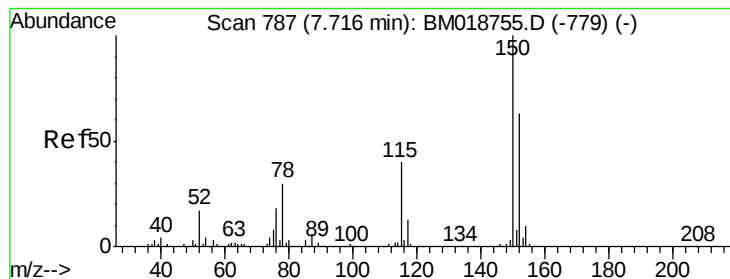
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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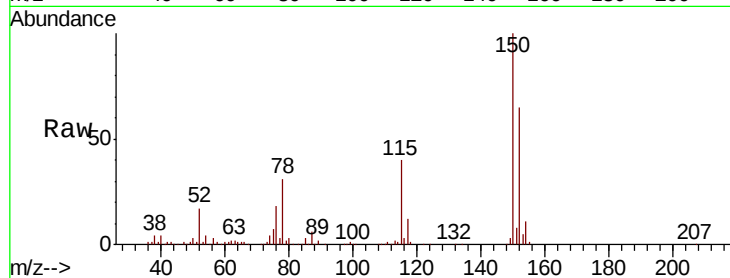


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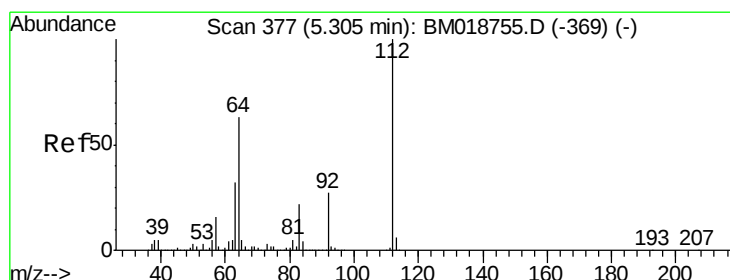
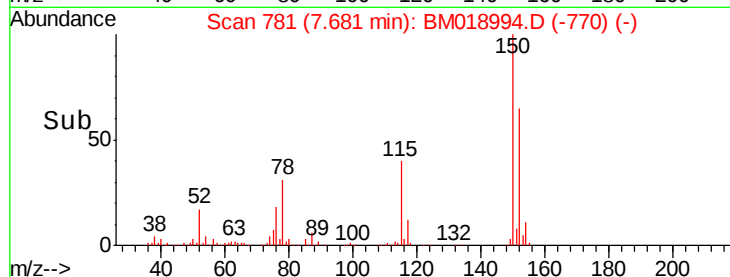
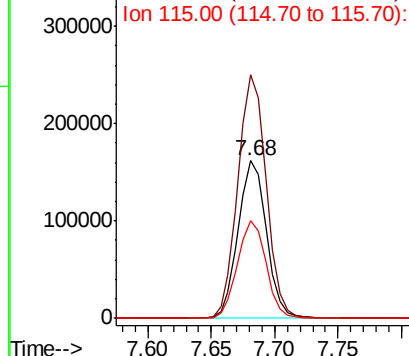
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 781
Delta R.T. -0.04 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

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Tgt Ion:152 Resp: 251363
Ion Ratio Lower Upper
152 100
150 154.5 127.3 190.9
115 62.1 50.8 76.2



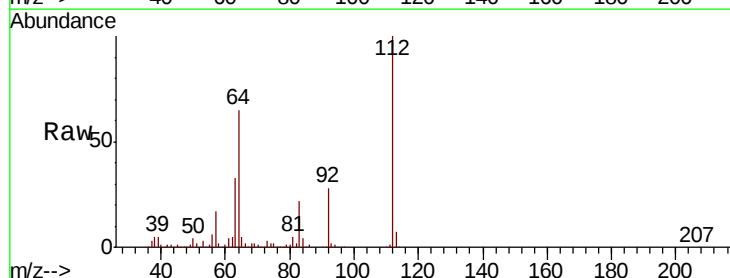
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



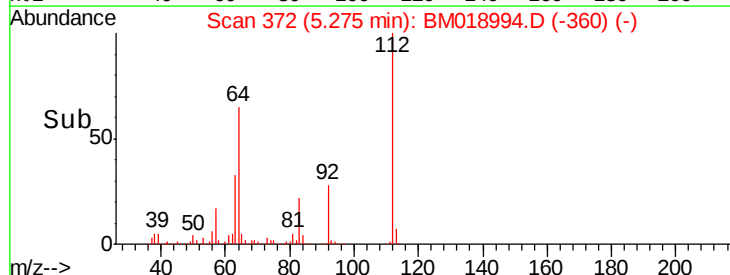
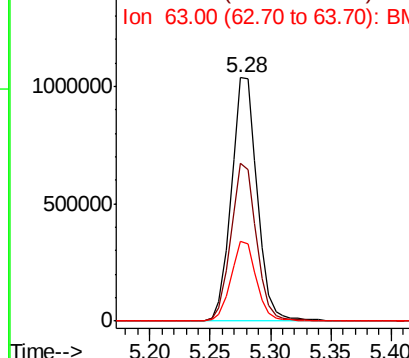
#5

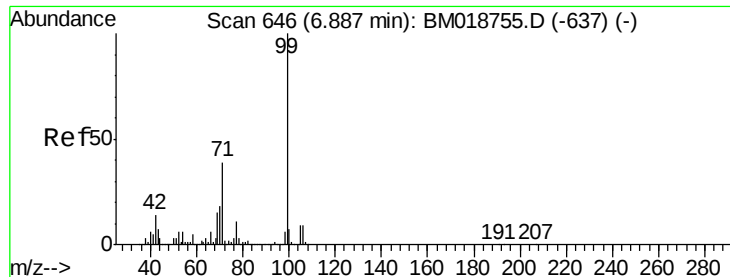
2-Fluorophenol
Concen: 100.862 ng
RT: 5.28 min Scan# 372
Delta R.T. -0.03 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Tgt Ion:112 Resp: 1547357
Ion Ratio Lower Upper
112 100
64 65.0 50.6 75.8
63 33.0 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: 102.505 ng

RT: 6.86 min Scan# 641

Delta R.T. -0.03 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

Instrument :

BNA_M

ClientSampleId :

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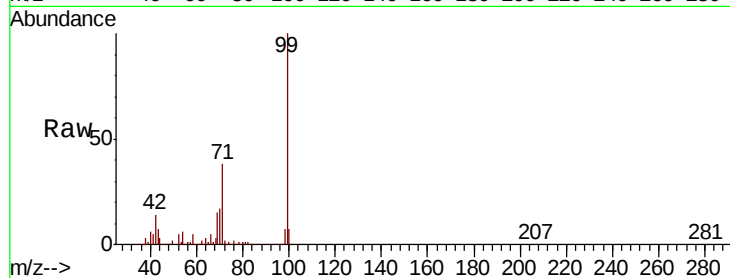
Tgt Ion: 99 Resp: 2215346

Ion Ratio Lower Upper

99 100

42 13.9 11.0 16.6

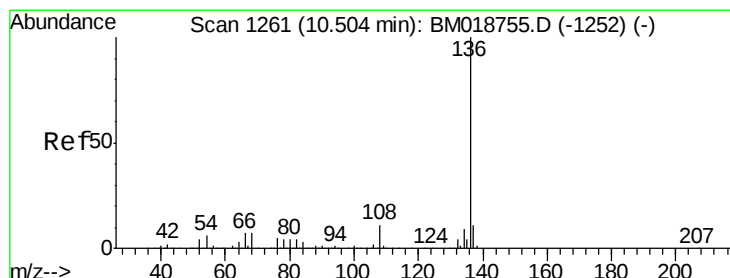
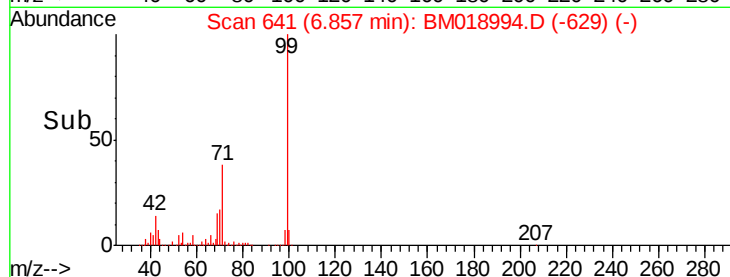
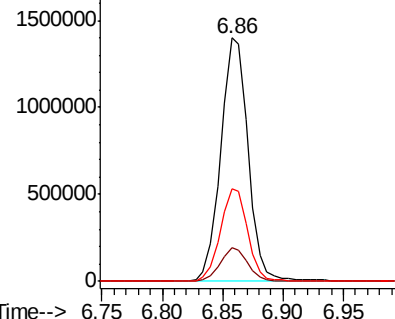
71 38.2 31.3 46.9



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: 10.47 min Scan# 1255

Delta R.T. -0.04 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

Tgt Ion: 136 Resp: 1036326

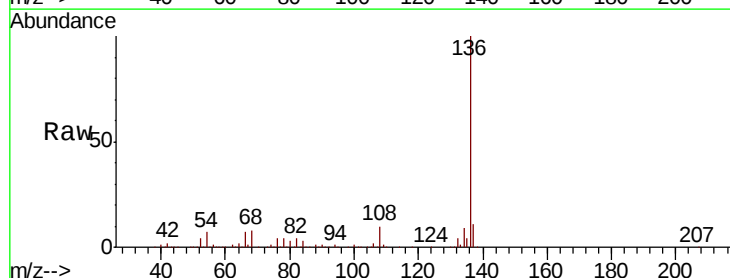
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.0 5.0 7.6

68 7.9 5.5 8.3

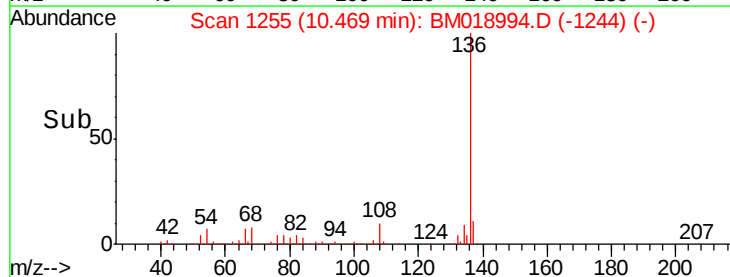
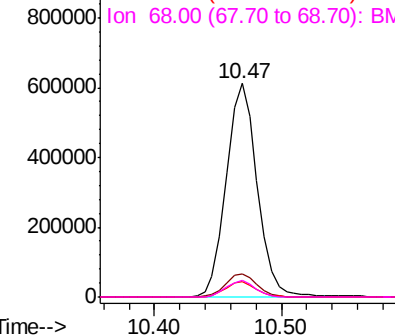


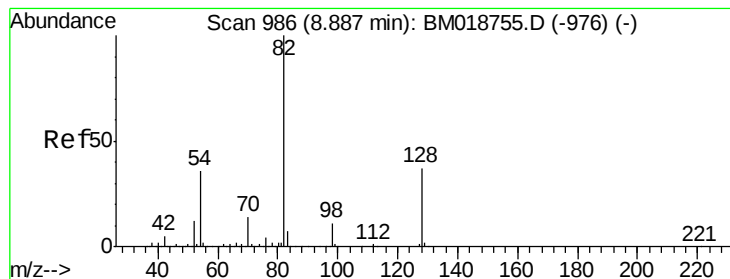
Abundance Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

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: 61.855 ng

RT: 8.85 min Scan# 980

Delta R.T. -0.04 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

Instrument :

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ClientSampleId :

200051

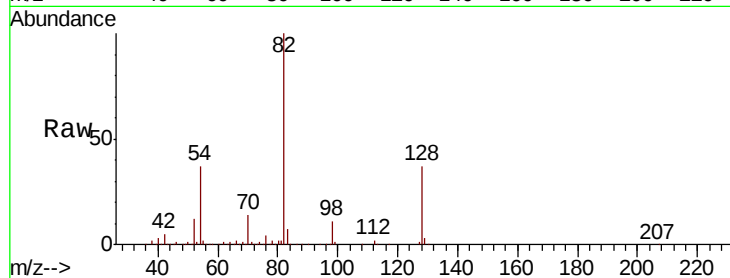
Tgt Ion: 82 Resp: 1386339

Ion Ratio Lower Upper

82 100

128 37.2 29.9 44.9

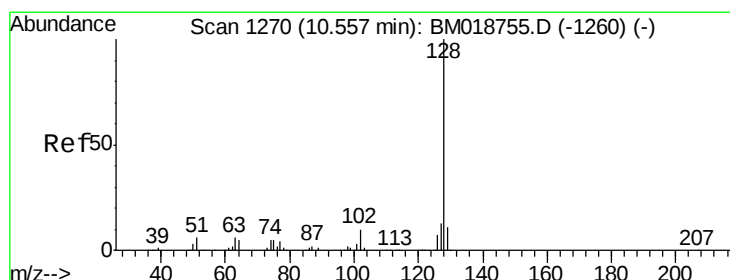
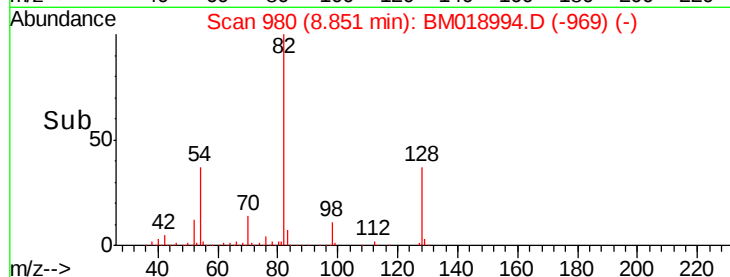
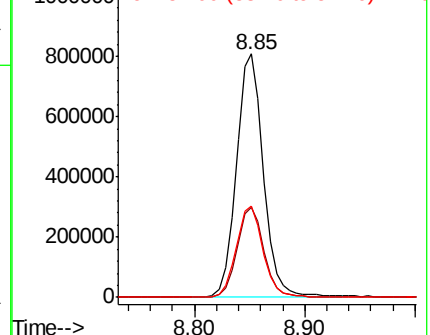
54 37.3 29.1 43.7



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: 3.263 ng

RT: 10.52 min Scan# 1264

Delta R.T. -0.04 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

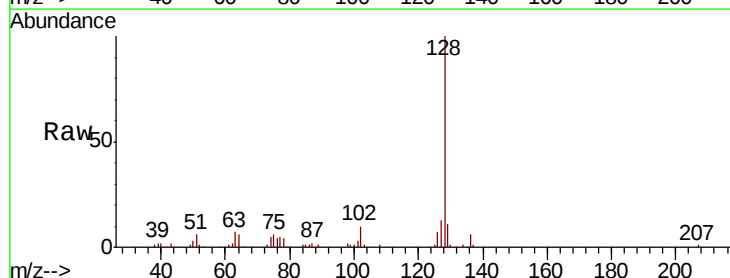
Tgt Ion: 128 Resp: 164941

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.4

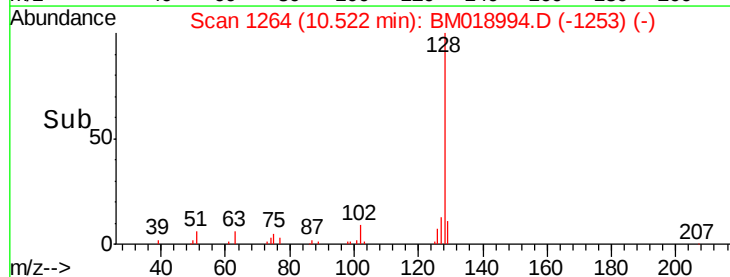
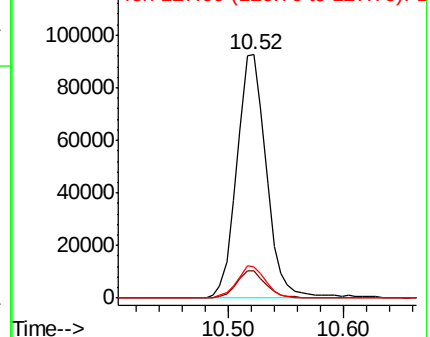
127 13.0 10.7 16.1

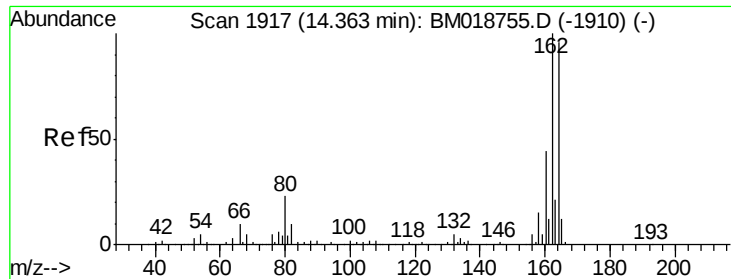


Abundance Ion 128.00 (127.70 to 128.70): BM018755.D (-1260) (-)

Ion 129.00 (128.70 to 129.70): BM018755.D (-1260) (-)

Ion 127.00 (126.70 to 127.70): BM018755.D (-1260) (-)

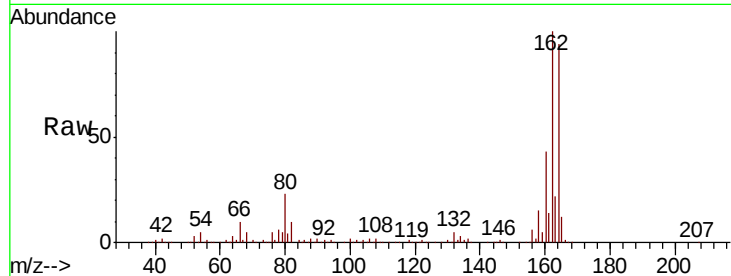




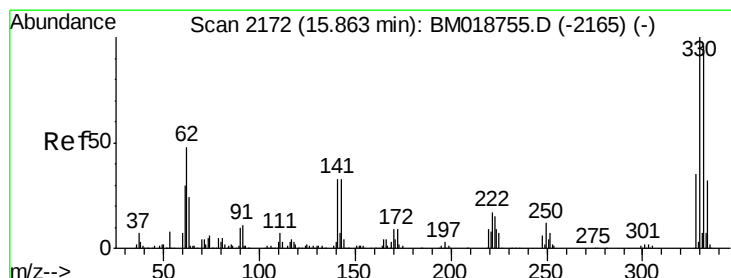
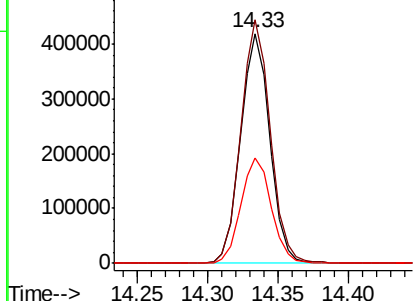
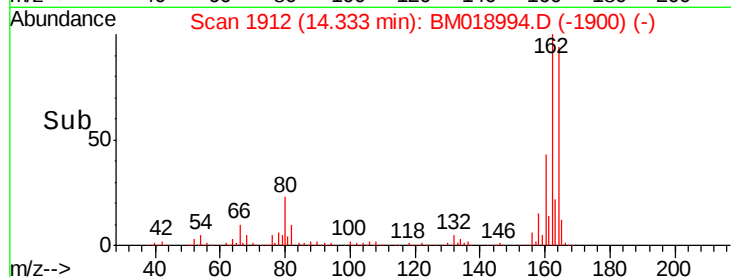
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.33 min Scan# 1912
 Delta R.T. -0.03 min
 Lab File: BM018994.D
 Acq: 01 Mar 2019 19:32

Instrument :
 BNA_M
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 200051

Tgt Ion:164 Resp: 605880
 Ion Ratio Lower Upper
 164 100
 162 106.0 83.4 125.0
 160 46.0 36.6 55.0

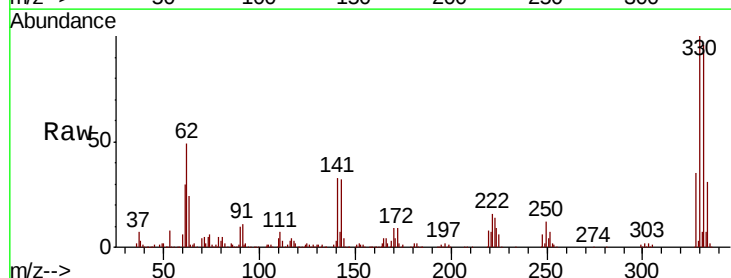


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

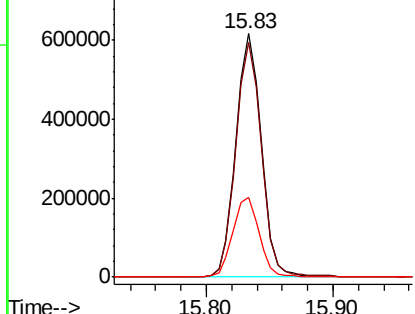
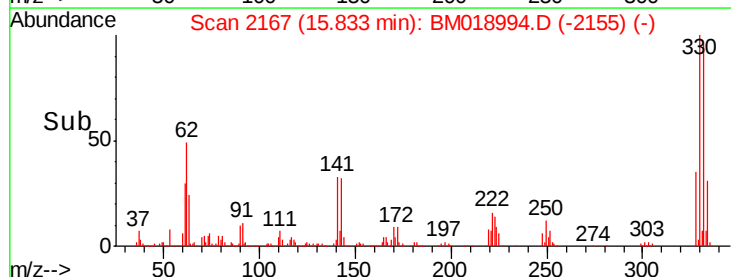


#42
 2,4,6-Tribromophenol
 Concen: 98.151 ng
 RT: 15.83 min Scan# 2167
 Delta R.T. -0.03 min
 Lab File: BM018994.D
 Acq: 01 Mar 2019 19:32

Tgt Ion:330 Resp: 857212
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.9 115.3
 141 33.9 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

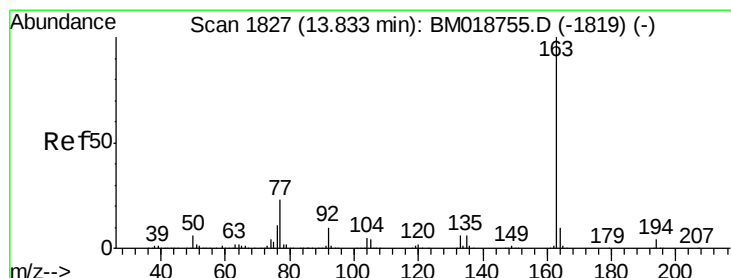
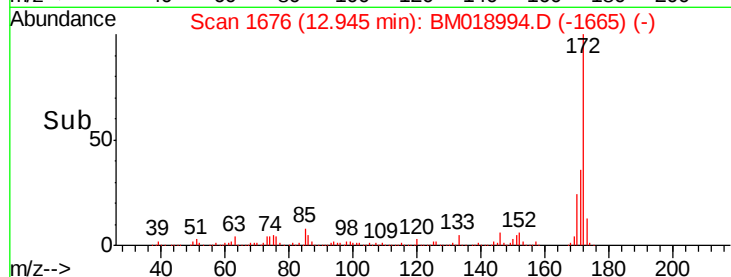
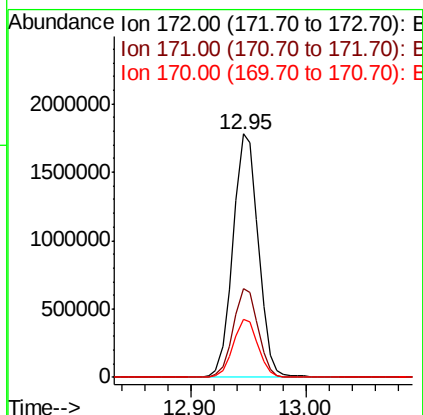
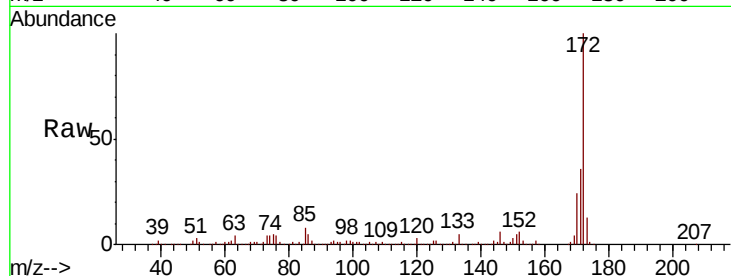




#45
2-Fluorobiphenyl
Concen: 59.486 ng
RT: 12.95 min Scan# 1676
Delta R.T. -0.04 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

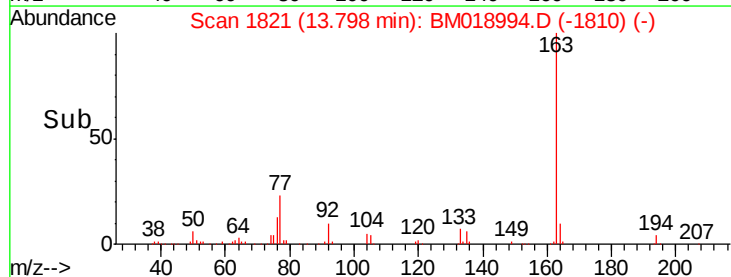
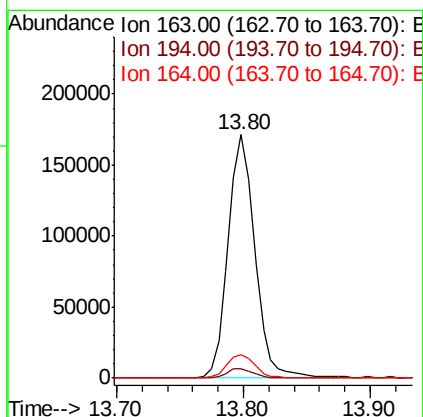
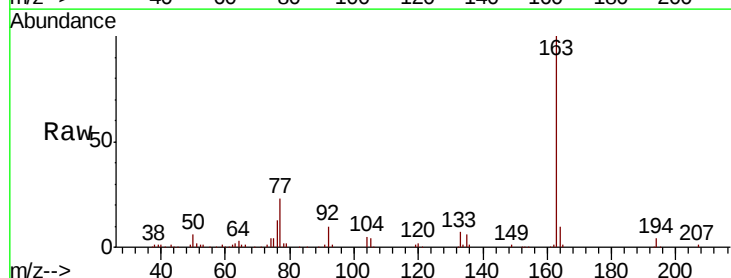
Instrument :
BNA_M
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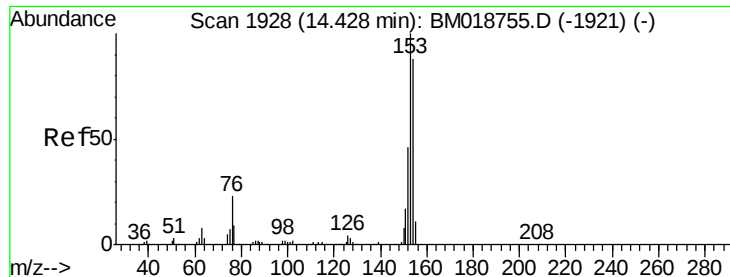
Tgt Ion:172 Resp: 2715011
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.6
170 23.7 18.6 28.0



#50
Dimethylphthalate
Concen: 4.971 ng
RT: 13.80 min Scan# 1821
Delta R.T. -0.04 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Tgt Ion:163 Resp: 251003
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.5 7.8 11.8





#52

Acenaphthene

Concen: 2.862 ng

RT: 14.40 min Scan# 1923

Delta R.T. -0.03 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

Instrument :

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ClientSampleId :

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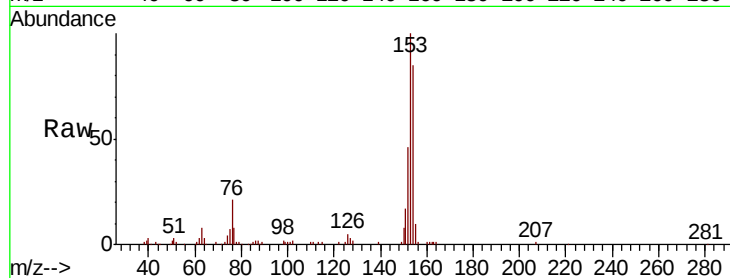
Tgt Ion:154 Resp: 105276

Ion Ratio Lower Upper

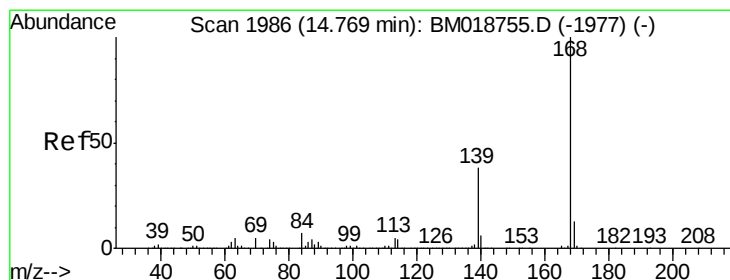
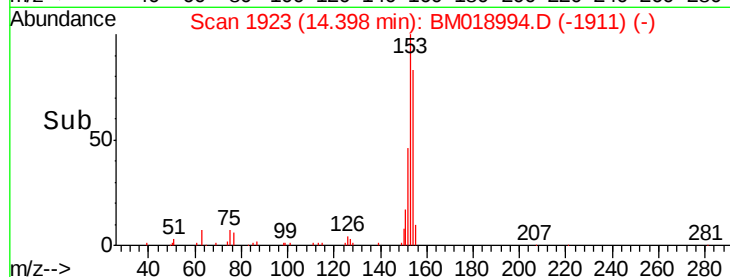
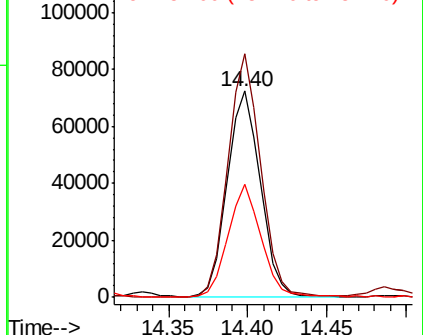
154 100

153 118.2 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: 2.027 ng

RT: 14.74 min Scan# 1981

Delta R.T. -0.03 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

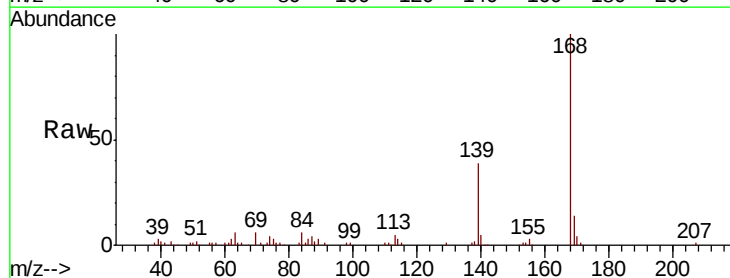
Tgt Ion:168 Resp: 122564

Ion Ratio Lower Upper

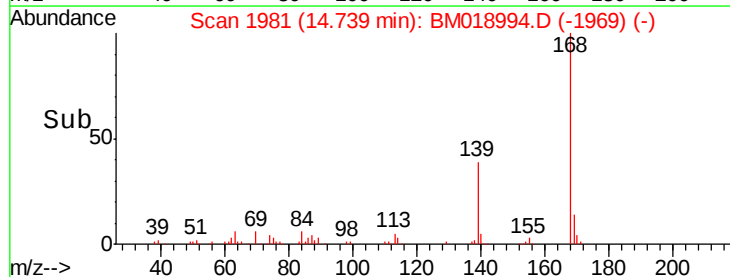
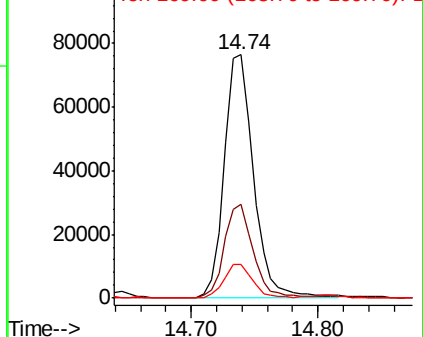
168 100

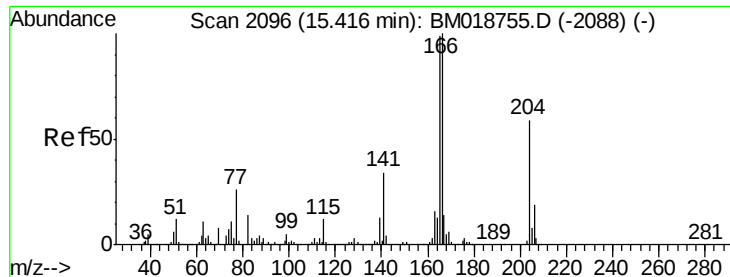
139 38.6 30.7 46.1

169 13.8 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: 3.196 ng

RT: 15.39 min Scan# 2091

Delta R.T. -0.03 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

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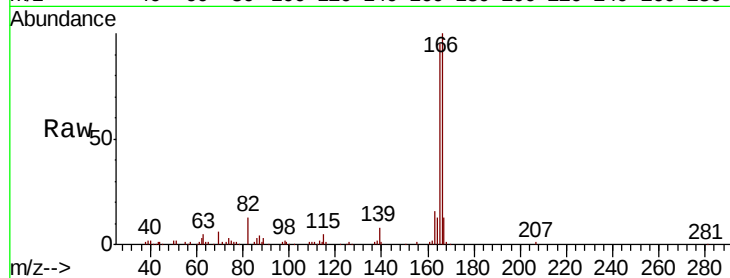
Tgt Ion:166 Resp: 147792

Ion Ratio Lower Upper

166 100

165 95.4 79.1 118.7

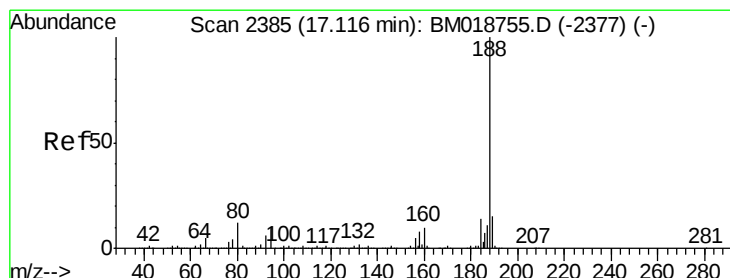
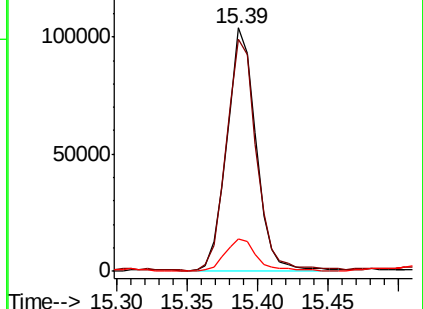
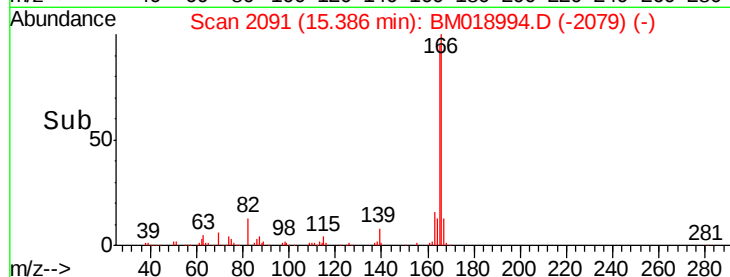
167 13.3 11.0 16.4



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: 17.09 min Scan# 2380

Delta R.T. -0.03 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

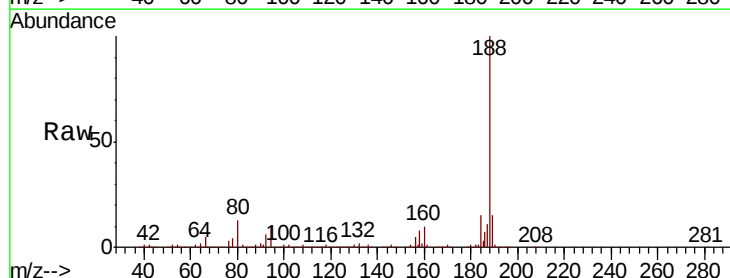
Tgt Ion:188 Resp: 1365702

Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.2

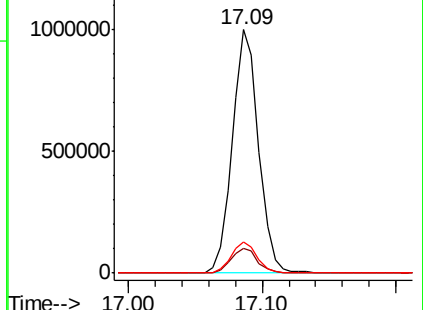
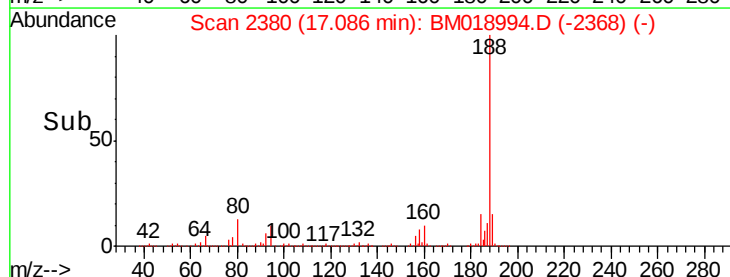
80 12.6 9.7 14.5

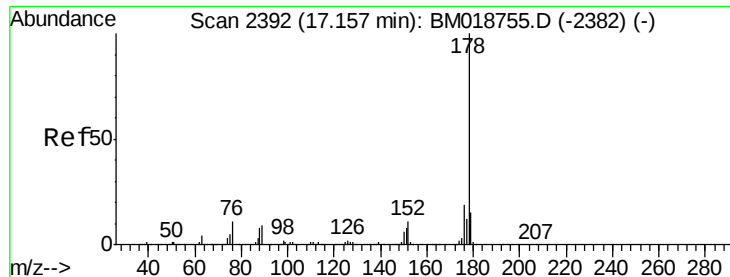


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

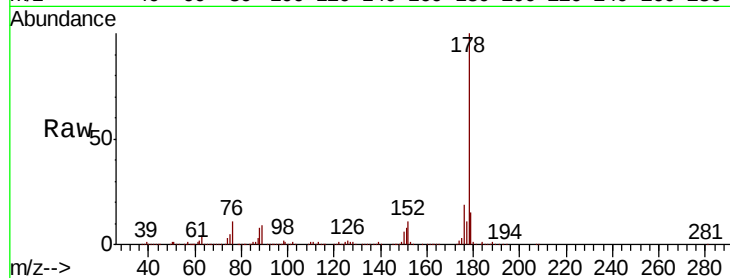




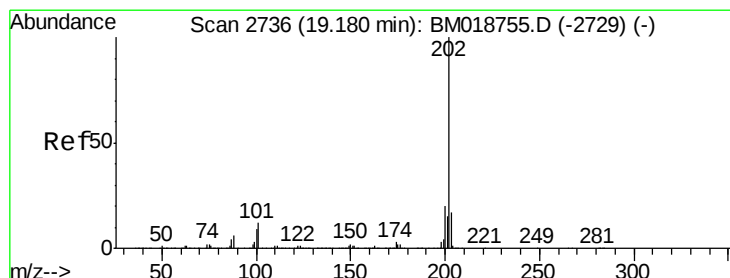
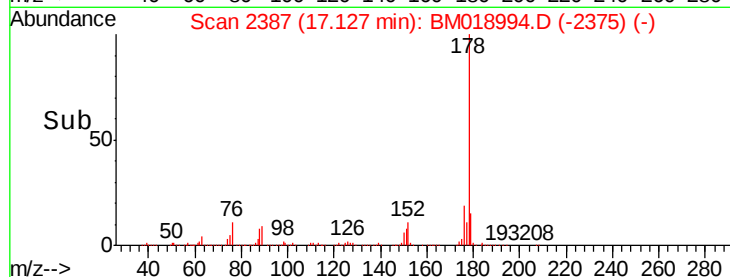
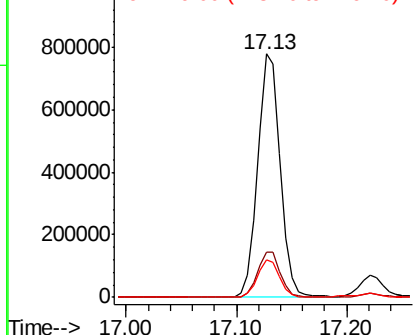
#71
Phenanthrene
Concen: 15.224 ng
RT: 17.13 min Scan# 2387
Delta R.T. -0.03 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Instrument :
BNA_M
ClientSampleId :
200051

Tgt Ion:178 Resp: 1117358
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.3 12.3 18.5

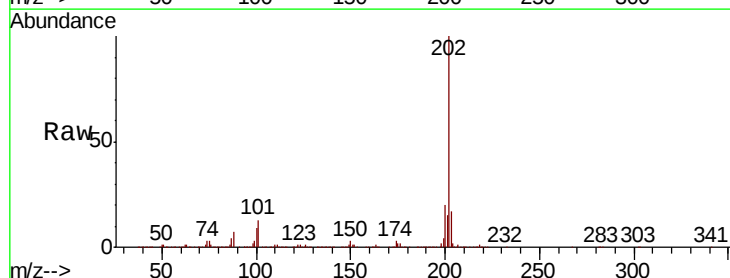


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

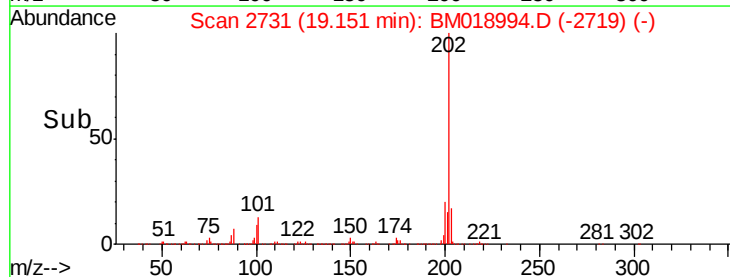
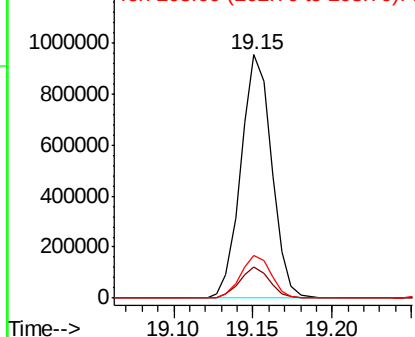


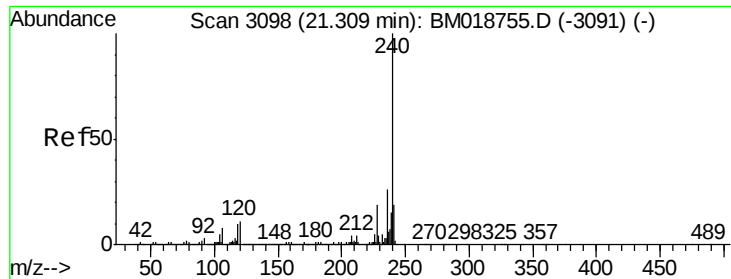
#75
Fluoranthene
Concen: 15.204 ng
RT: 19.15 min Scan# 2731
Delta R.T. -0.03 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Tgt Ion:202 Resp: 1288961
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.5
203 17.3 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

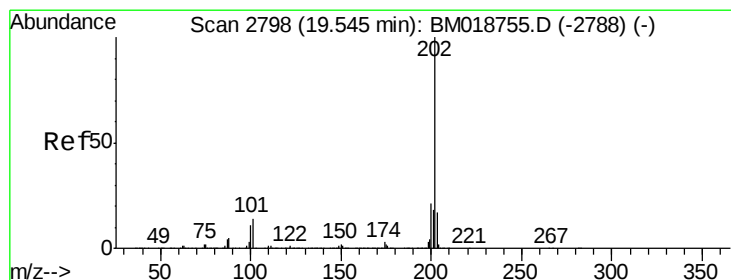
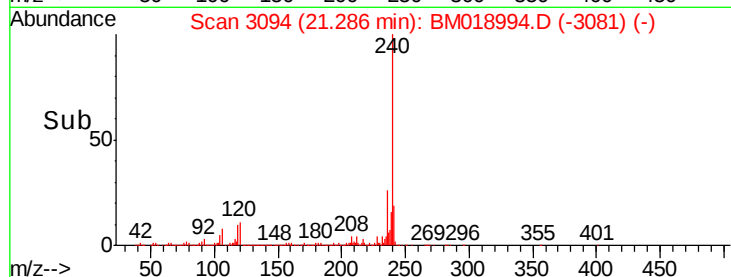
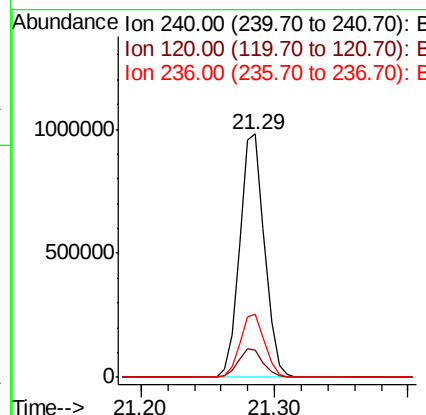
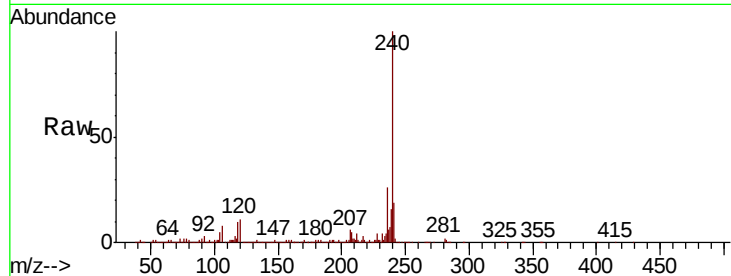




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.29 min Scan# 3094
Delta R.T. -0.02 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

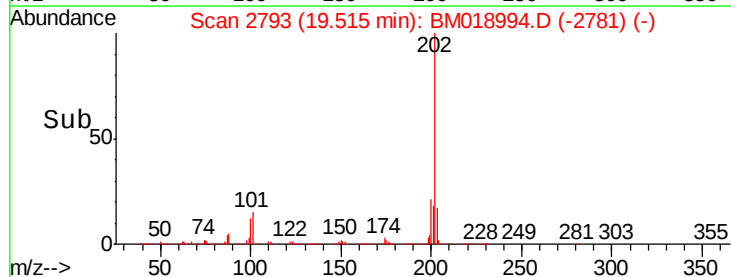
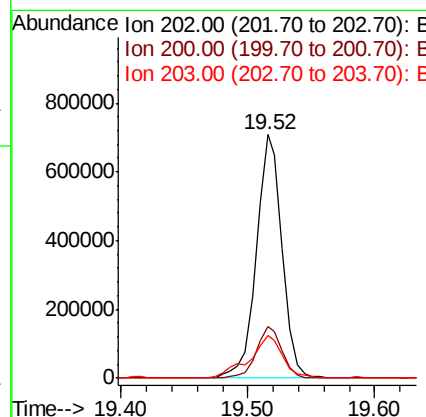
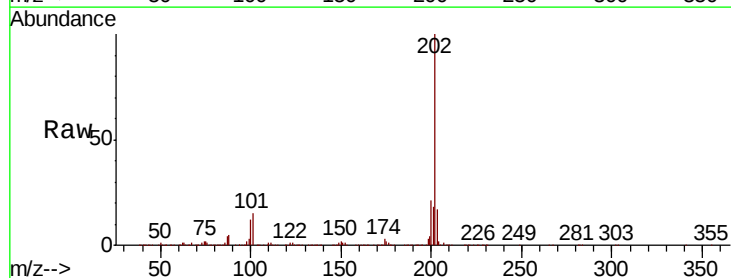
Instrument :
BNA_M
ClientSampleId :
200051

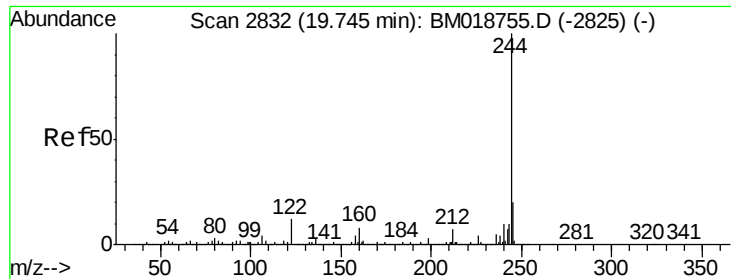
Tgt Ion:240 Resp: 1265290
Ion Ratio Lower Upper
240 100
120 11.3 8.9 13.3
236 25.7 20.9 31.3



#78
Pyrene
Concen: 13.598 ng
RT: 19.52 min Scan# 2793
Delta R.T. -0.03 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Tgt Ion:202 Resp: 999266
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 17.3 13.8 20.8

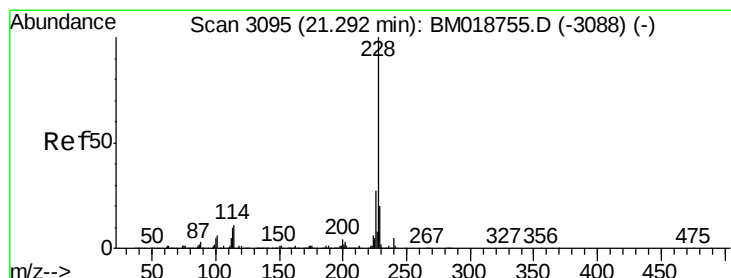
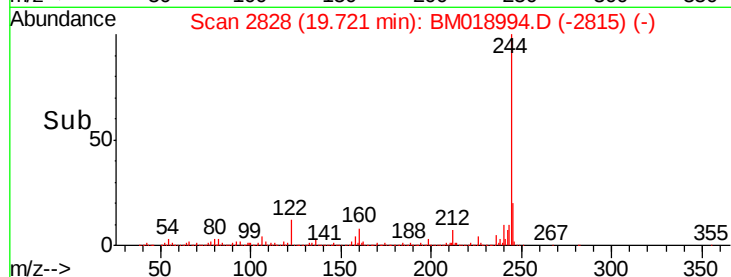
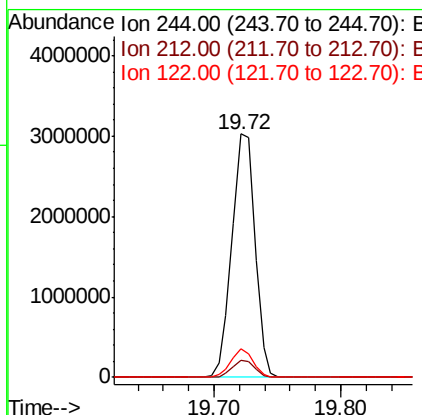
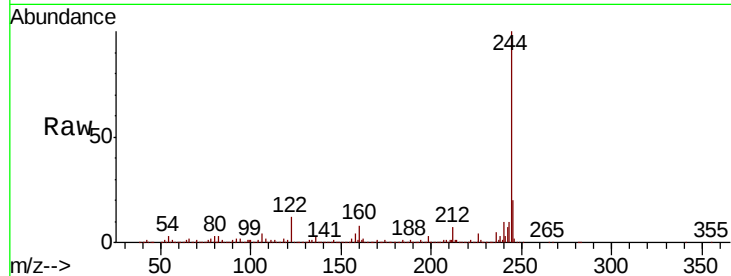




#79
 Terphenyl-d14
 Concen: 62.302 ng
 RT: 19.72 min Scan# 2828
 Delta R.T. -0.02 min
 Lab File: BM018994.D
 Acq: 01 Mar 2019 19:32

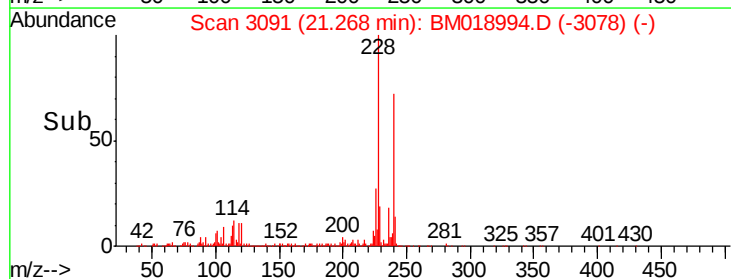
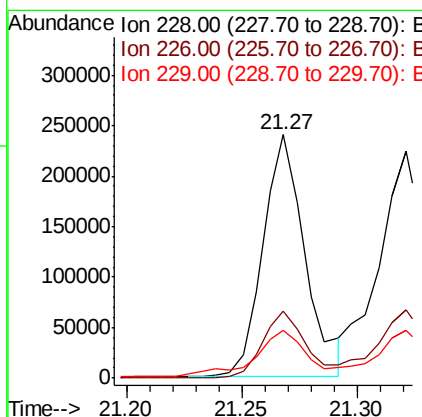
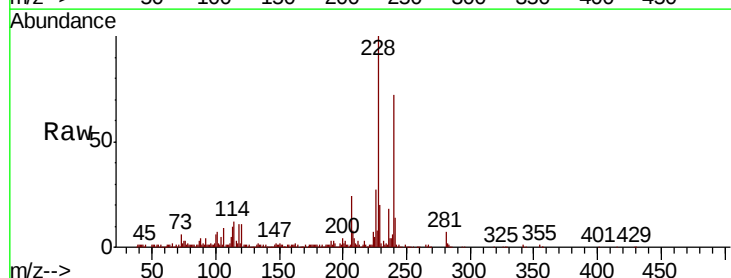
Instrument :
 BNA_M
 ClientSampleId :
 200051

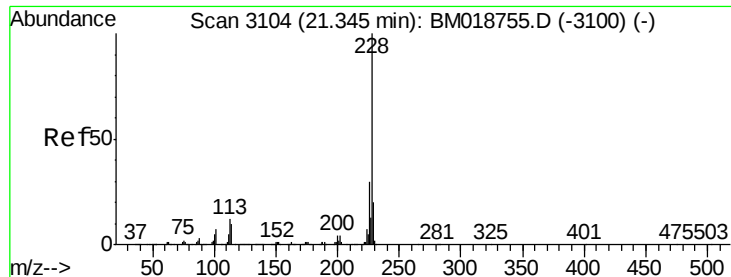
Tgt Ion:244 Resp: 3821307
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.9 9.3 13.9



#81
 Benzo(a)anthracene
 Concen: 4.123 ng
 RT: 21.27 min Scan# 3091
 Delta R.T. -0.02 min
 Lab File: BM018994.D
 Acq: 01 Mar 2019 19:32

Tgt Ion:228 Resp: 304075
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.9 32.9
 229 19.6 15.9 23.9

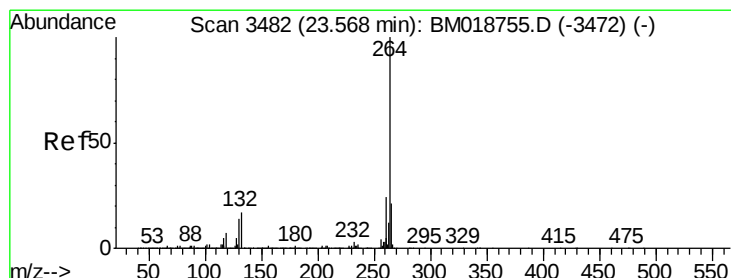
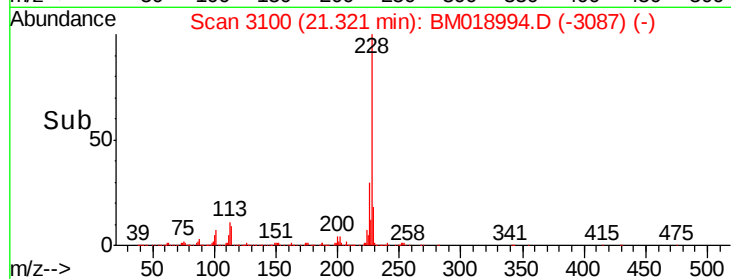
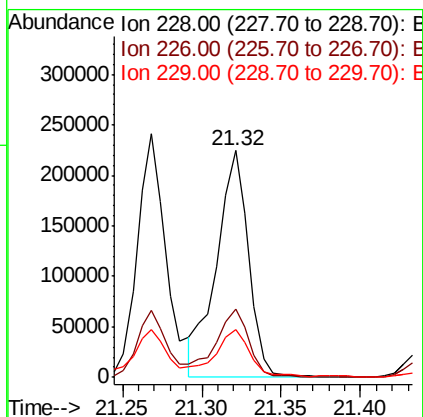
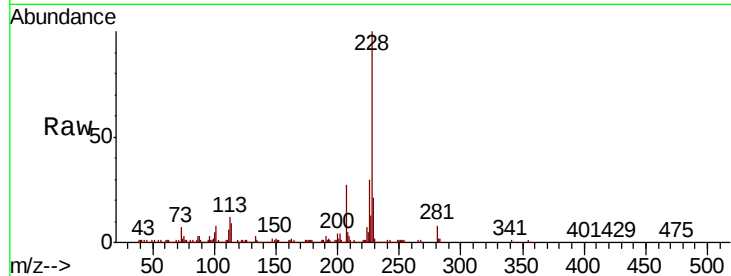




#83
Chrysene
Concen: 4.408 ng
RT: 21.32 min Scan# 3100
Delta R.T. -0.02 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

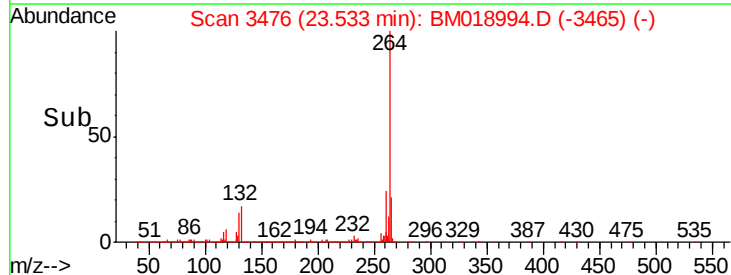
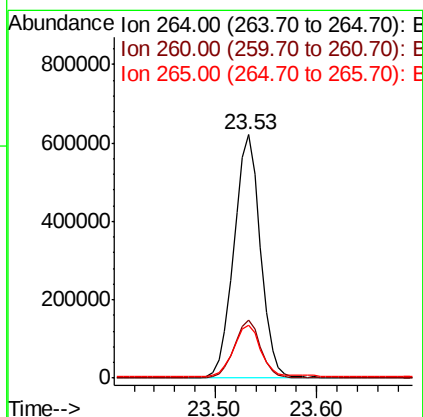
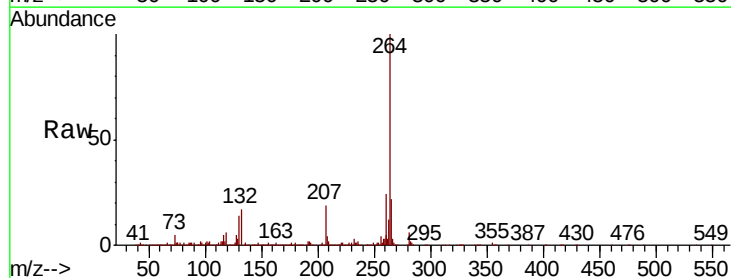
Instrument :
BNA_M
ClientSampleId :
200051

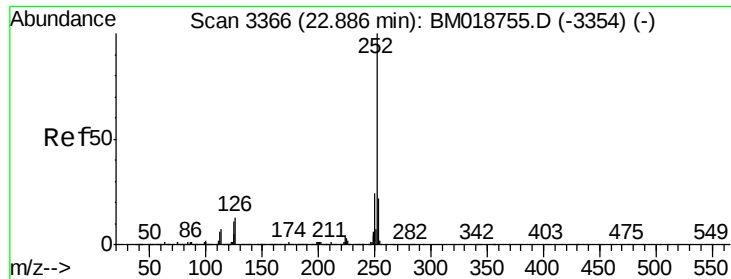
Tgt Ion:228 Resp: 311645
Ion Ratio Lower Upper
228 100
226 30.2 24.1 36.1
229 20.9 16.0 24.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.53 min Scan# 3476
Delta R.T. -0.04 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Tgt Ion:264 Resp: 1126732
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 21.9 17.3 25.9

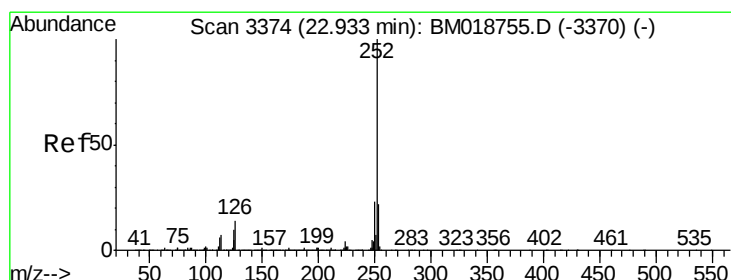
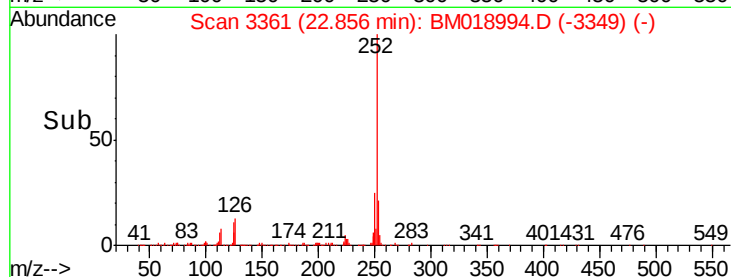
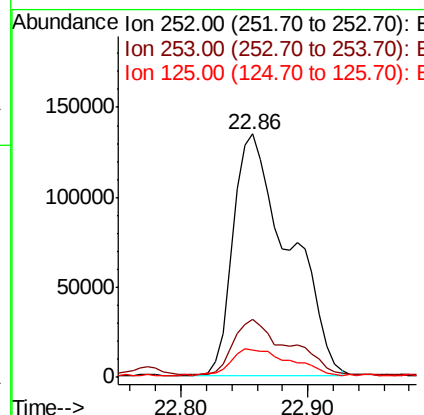
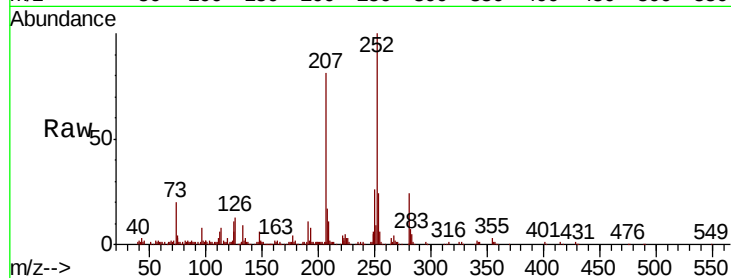




#88
Benzo(b)fluoranthene
Concen: 6.385 ng
RT: 22.86 min Scan# 3361
Delta R.T. -0.03 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

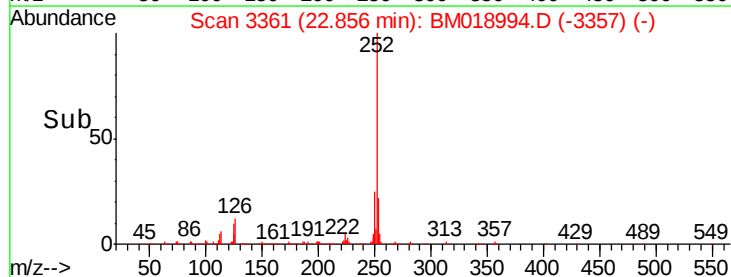
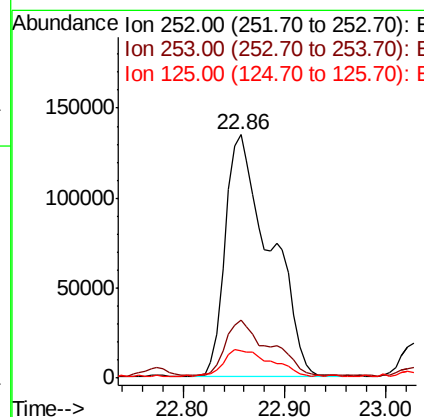
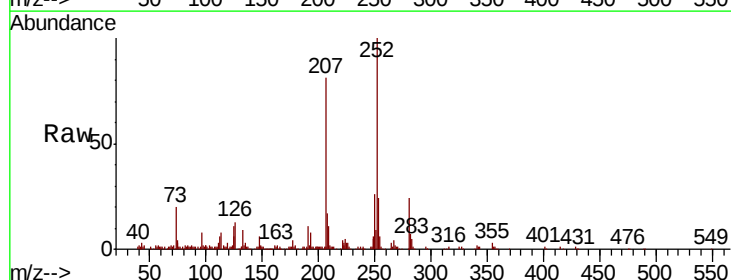
Instrument :
BNA_M
ClientSampleId :
200051

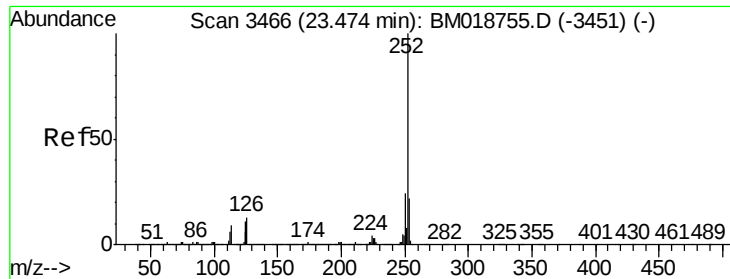
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	11.4	8.6	12.8



#89
Benzo(k)fluoranthene
Concen: 6.433 ng
RT: 22.86 min Scan# 3361
Delta R.T. -0.08 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	11.4	8.2	12.4





#90

Benzo(a)pyrene

Concen: 3.363 ng

RT: 23.43 min Scan# 3459

Delta R.T. -0.04 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

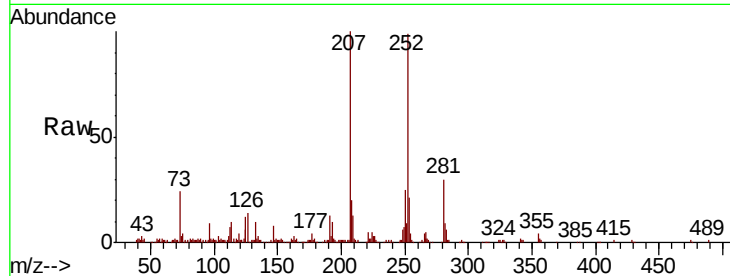
Instrument :

BNA_M

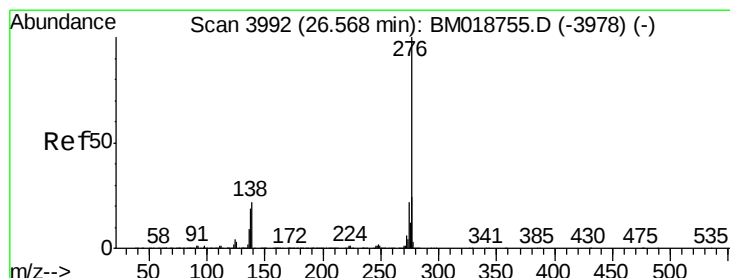
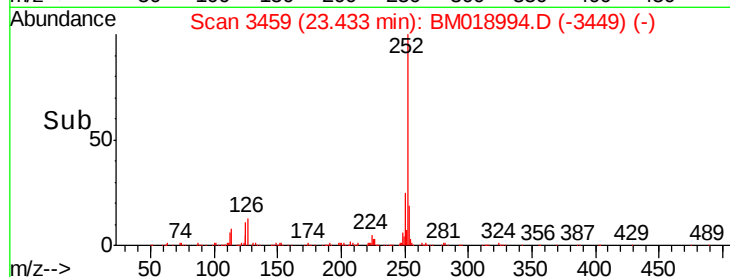
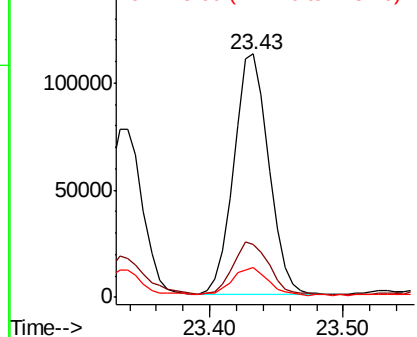
ClientSampleId :

200051

Tgt Ion:	252	Resp:	205397
Ion Ratio		Lower	Upper
252	100		
253	21.6	17.4	26.0
125	12.5	8.6	13.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.249 ng

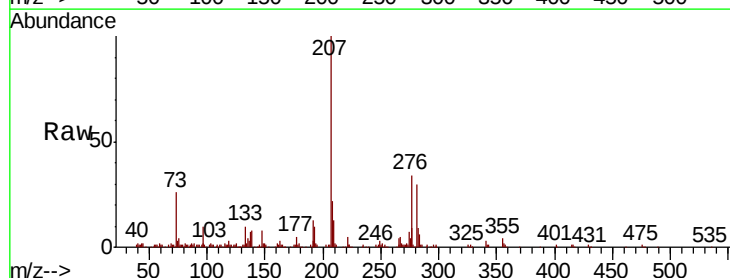
RT: 26.50 min Scan# 3981

Delta R.T. -0.06 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

Tgt Ion:	276	Resp:	126697
Ion Ratio		Lower	Upper
276	100		
277	25.8	19.2	28.8
138	23.4	17.3	25.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

