

Data File : BM022430.D  
Acq On : 30 Aug 2019 04:40  
Operator : HP/JU  
Sample : K4594-01 10X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
S704A-N-0.0-0.5-082819

Quant Time: Aug 30 07:55:49 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM082919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 29 16:51:32 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 15789    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.29 | 136  | 63063    | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.18 | 164  | 41719    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.95 | 188  | 96502    | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.17 | 240  | 174838   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.36 | 264  | 157277   | 20.00 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 5) 2-Fluorophenol           | 5.15  | 112 | 7670  | 8.53 | ng | 0.00 |
| 7) Phenol-d6                | 6.73  | 99  | 9718  | 8.08 | ng | 0.01 |
| 23) Nitrobenzene-d5         | 8.71  | 82  | 6700  | 4.65 | ng | 0.01 |
| 42) 2,4,6-Tribromophenol    | 15.70 | 330 | 5500  | 6.44 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 12.79 | 172 | 18222 | 4.95 | ng | 0.00 |
| 79) Terphenyl-d14           | 19.60 | 244 | 41394 | 3.12 | ng | 0.00 |

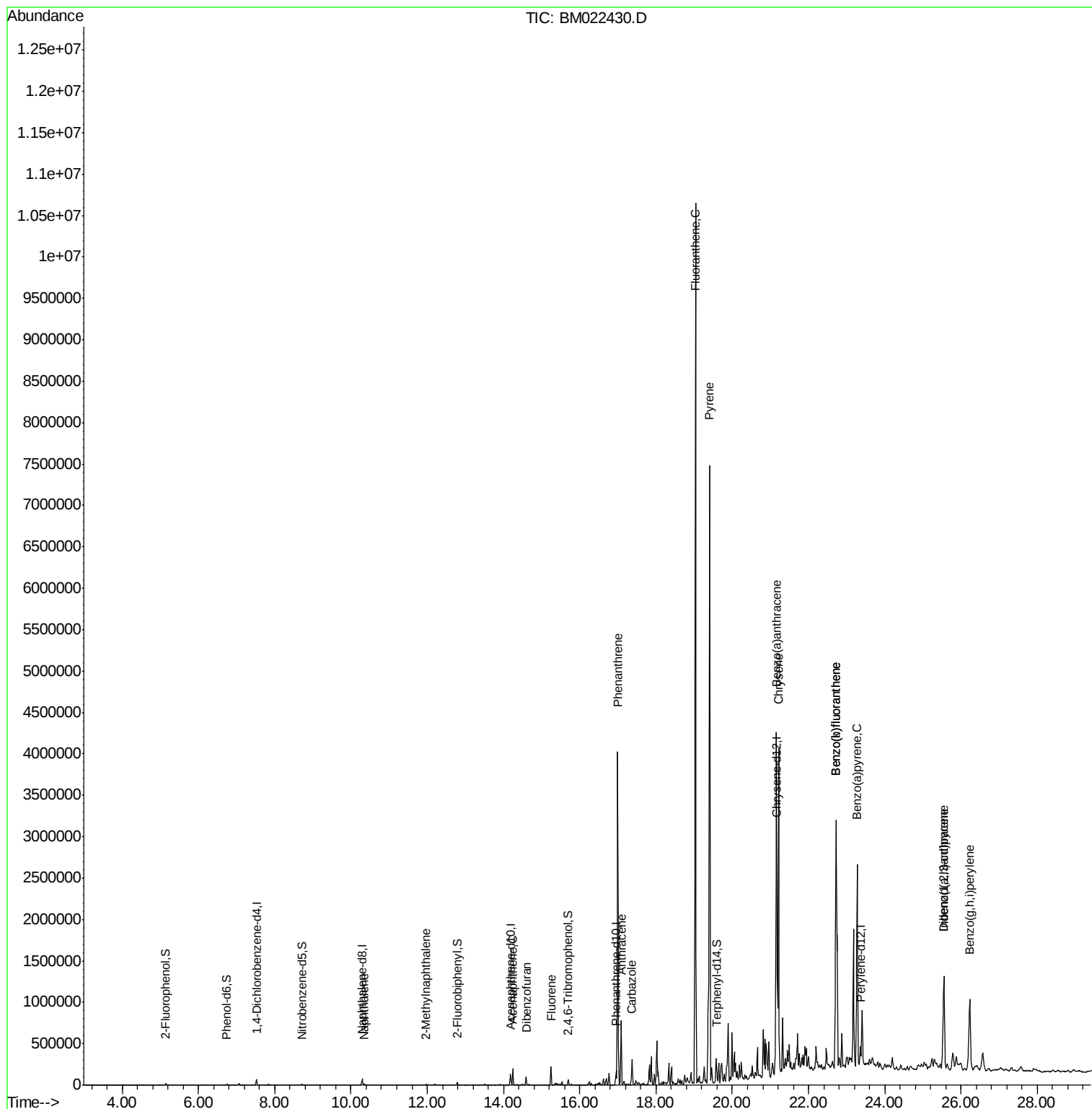
|                            |       |     |         |         |    |      |
|----------------------------|-------|-----|---------|---------|----|------|
| Target Compounds           |       |     |         | Qvalue  |    |      |
| 31) Naphthalene            | 10.35 | 128 | 11205   | 3.416   | ng | 97   |
| 37) 2-Methylnaphthalene    | 11.97 | 142 | 5102    | 2.047   | ng | 94   |
| 52) Acenaphthene           | 14.24 | 154 | 61657   | 25.166  | ng | 98   |
| 55) Dibenzofuran           | 14.59 | 168 | 52543   | 12.731  | ng | 96   |
| 58) Fluorene               | 15.24 | 166 | 89095   | 24.163  | ng | 100  |
| 71) Phenanthrene           | 17.00 | 178 | 2163794 | 384.670 | ng | 100  |
| 72) Anthracene             | 17.09 | 178 | 413043  | 74.632  | ng | 99   |
| 73) Carbazole              | 17.37 | 167 | 156497  | 34.209  | ng | 99   |
| 75) Fluoranthene           | 19.04 | 202 | 6070545 | 810.381 | ng | 98   |
| 78) Pyrene                 | 19.40 | 202 | 4335263 | 363.842 | ng | 99   |
| 81) Benzo(a)anthracene     | 21.16 | 228 | 2174129 | 173.248 | ng | 99   |
| 83) Chrysene               | 21.22 | 228 | 1917137 | 160.502 | ng | 97   |
| 86) Indeno(1,2,3-cd)pyrene | 25.56 | 276 | 999300  | 83.173  | ng | 97   |
| 88) Benzo(b)fluoranthene   | 22.72 | 252 | 2562724 | 234.549 | ng | 99   |
| 89) Benzo(k)fluoranthene   | 22.72 | 252 | 2562724 | 236.436 | ng | 96   |
| 90) Benzo(a)pyrene         | 23.27 | 252 | 1681139 | 173.348 | ng | 99   |
| 91) Dibenzo(a,h)anthracene | 25.55 | 278 | 259653  | 26.850  | ng | # 95 |
| 92) Benzo(g,h,i)perylene   | 26.23 | 276 | 945768  | 112.214 | ng | 98   |

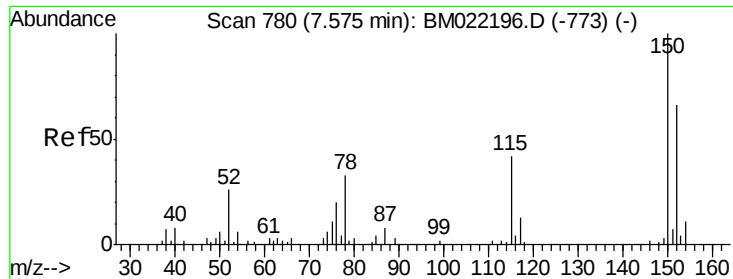
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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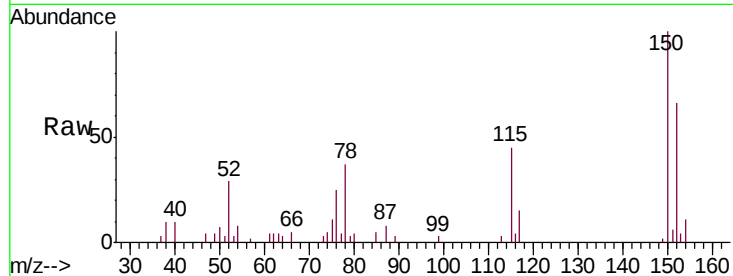




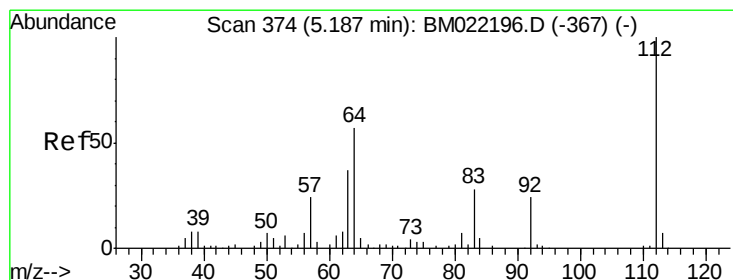
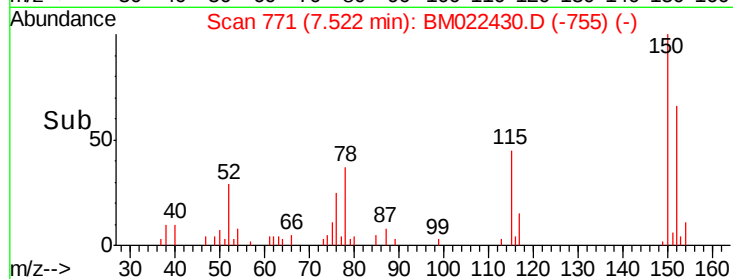
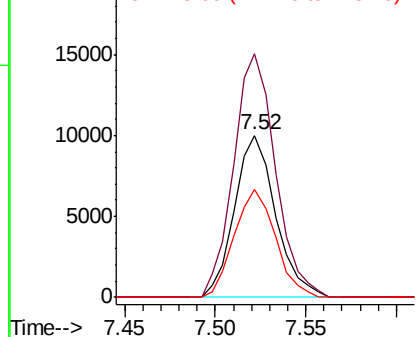
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.52 min Scan# 771  
 Delta R.T. -0.01 min  
 Lab File: BM022430.D  
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Instrument :  
 BNA\_M  
 ClientSampleId :  
 S704A-N-0.0-0.5-082819

Tgt Ion:152 Resp: 15789  
 Ion Ratio Lower Upper  
 152 100  
 150 150.5 125.4 188.0  
 115 67.1 50.3 75.5

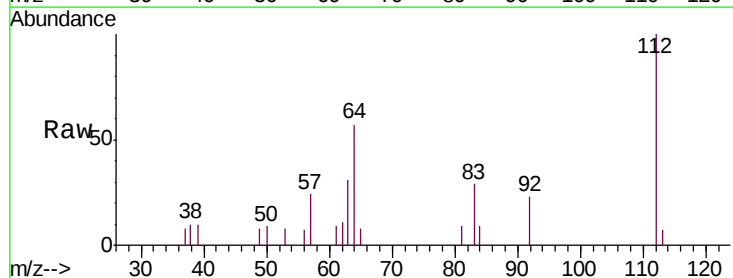


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

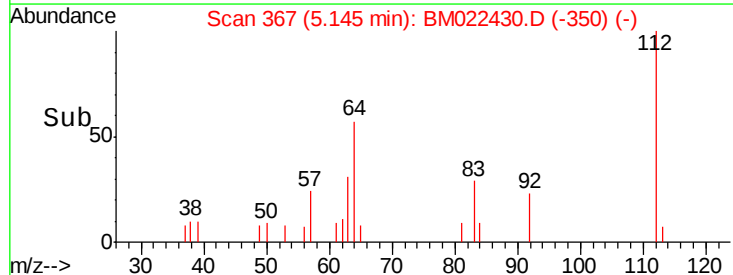
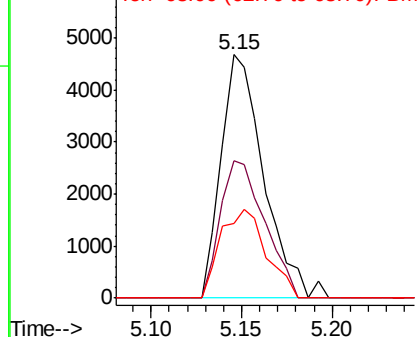


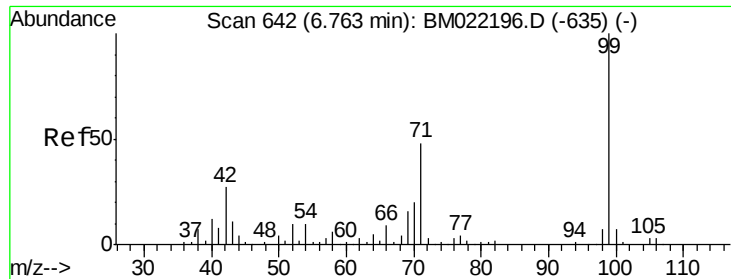
#5  
 2-Fluorophenol  
 Concen: 8.527 ng  
 RT: 5.15 min Scan# 367  
 Delta R.T. -0.00 min  
 Lab File: BM022430.D  
 Acq: 30 Aug 2019 04:40

Tgt Ion:112 Resp: 7670  
 Ion Ratio Lower Upper  
 112 100  
 64 56.6 45.4 68.2  
 63 30.7 34.5 51.7#



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: 8.079 ng

RT: 6.73 min Scan# 637

Delta R.T. 0.01 min

Lab File: BM022430.D

Acq: 30 Aug 2019 04:40

Instrument :

BNA\_M

ClientSampleId :

S704A-N-0.0-0.5-082819

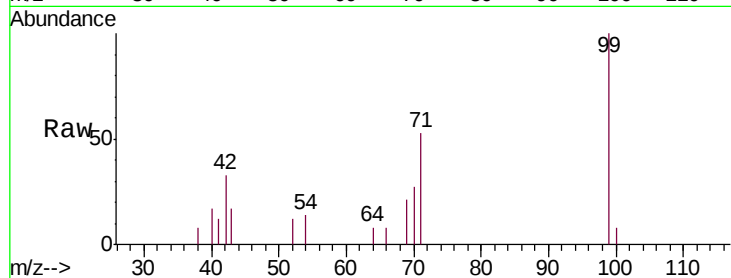
Tgt Ion: 99 Resp: 9718

Ion Ratio Lower Upper

99 100

42 33.0 26.3 39.5

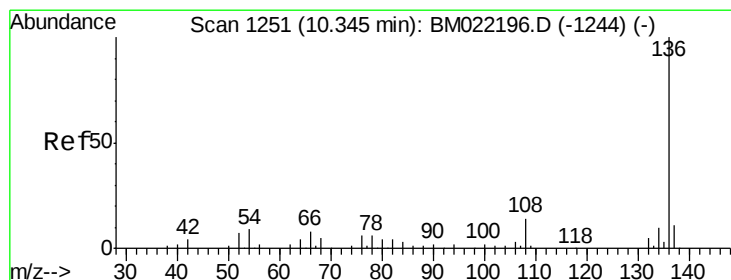
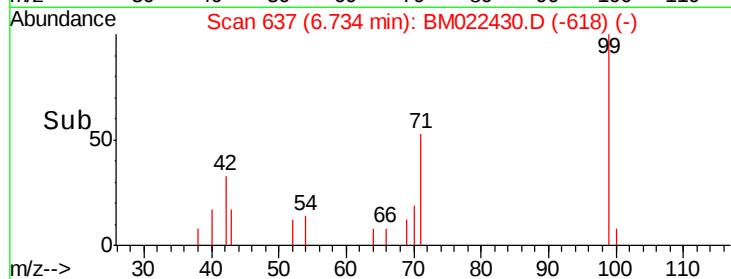
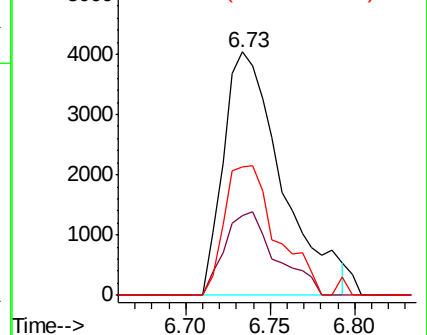
71 52.6 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022196.D (-635) (-)

Ion 42.00 (41.70 to 42.70): BM022196.D (-635) (-)

Ion 71.00 (70.70 to 71.70): BM022196.D (-635) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.29 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BM022430.D

Acq: 30 Aug 2019 04:40

Tgt Ion: 136 Resp: 63063

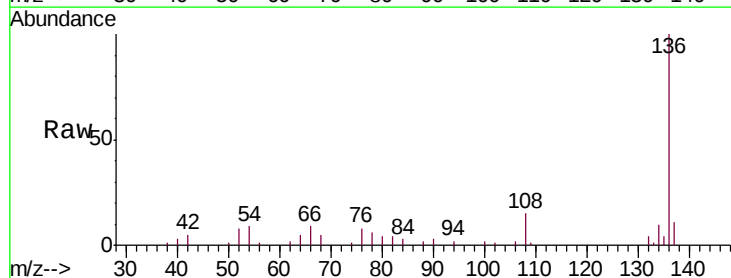
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.1 7.0 10.6

68 4.9 2.9 4.3#

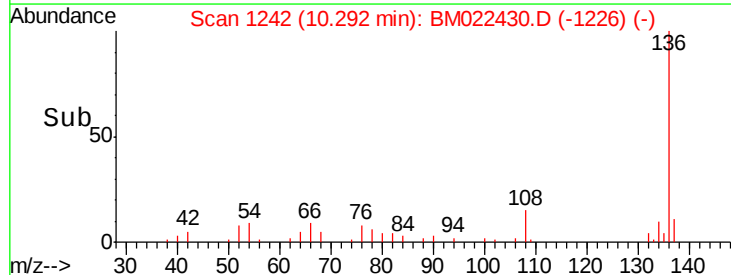
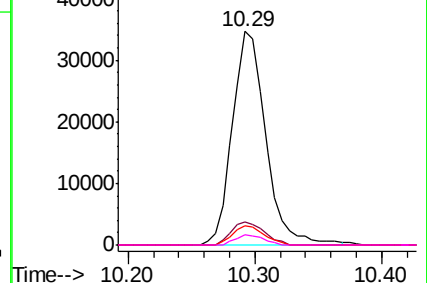


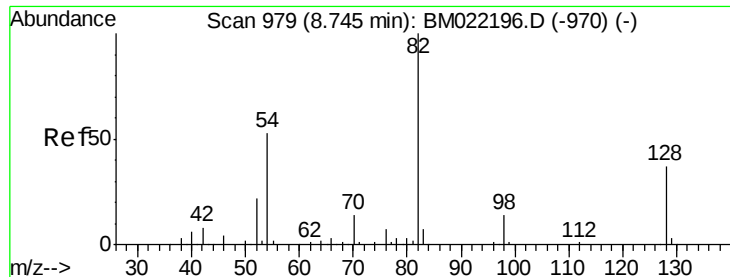
Abundance Ion 136.00 (135.70 to 136.70): BM022196.D (-1244) (-)

Ion 137.00 (136.70 to 137.70): BM022196.D (-1244) (-)

Ion 54.00 (53.70 to 54.70): BM022196.D (-1244) (-)

Ion 68.00 (67.70 to 68.70): BM022196.D (-1244) (-)

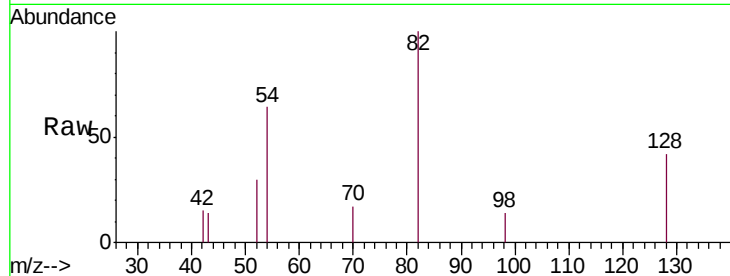




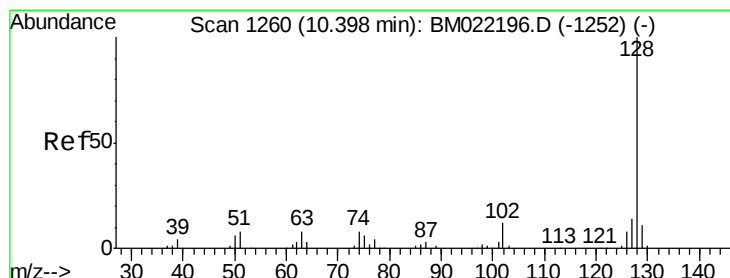
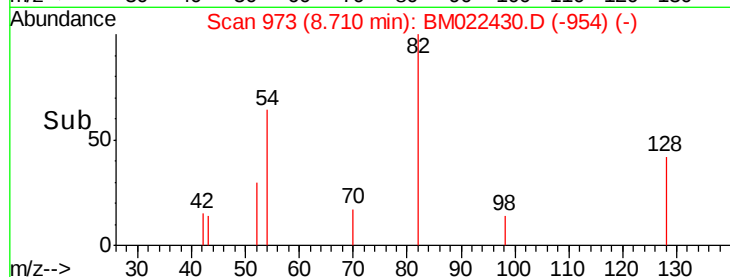
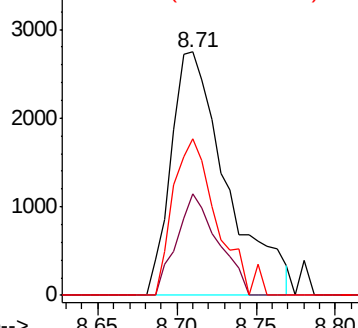
#23  
 Nitrobenzene-d5  
 Concen: 4.653 ng  
 RT: 8.71 min Scan# 973  
 Delta R.T. 0.01 min  
 Lab File: BM022430.D  
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 BNA\_M  
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Tgt Ion: 82 Resp: 6700  
 Ion Ratio Lower Upper  
 82 100  
 128 41.6 27.9 41.9  
 54 64.4 45.2 67.8

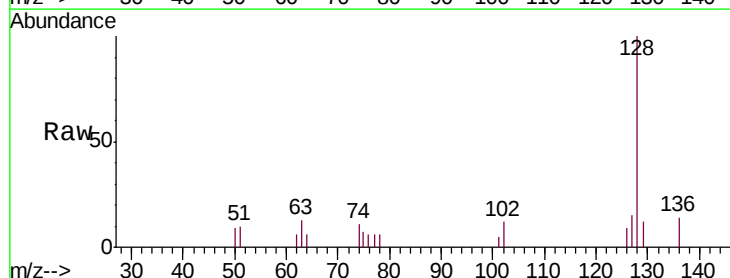


Abundance Ion 82.00 (81.70 to 82.70): BM022196.D (-970) (-)  
 Ion 128.00 (127.70 to 128.70): BM022196.D (-970) (-)  
 Ion 54.00 (53.70 to 54.70): BM022196.D (-970) (-)

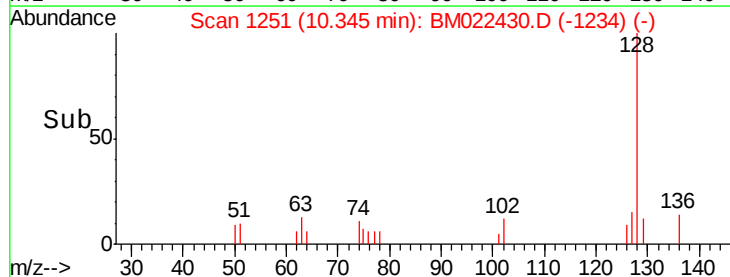
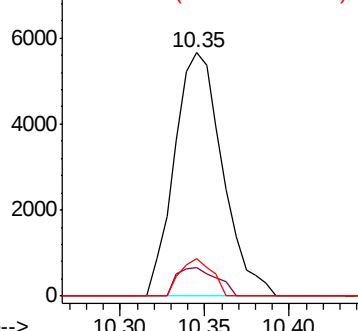


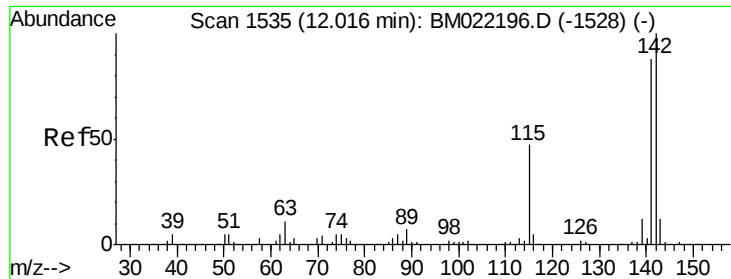
#31  
 Naphthalene  
 Concen: 3.416 ng  
 RT: 10.35 min Scan# 1251  
 Delta R.T. -0.00 min  
 Lab File: BM022430.D  
 Acq: 30 Aug 2019 04:40

Tgt Ion: 128 Resp: 11205  
 Ion Ratio Lower Upper  
 128 100  
 129 11.6 9.0 13.4  
 127 15.3 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): BM022196.D (-1252) (-)  
 Ion 129.00 (128.70 to 129.70): BM022196.D (-1252) (-)  
 Ion 127.00 (126.70 to 127.70): BM022196.D (-1252) (-)

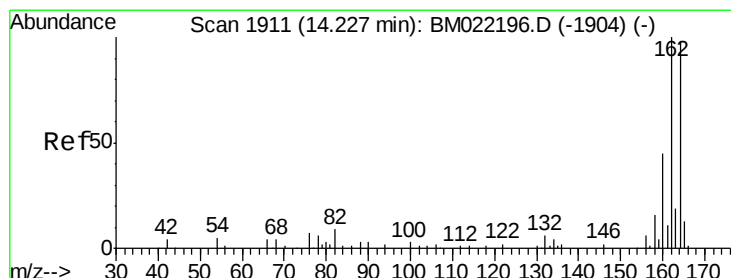
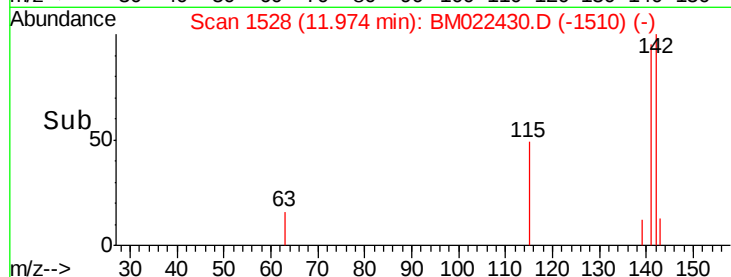
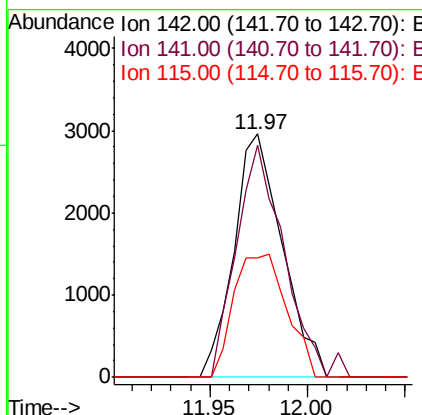
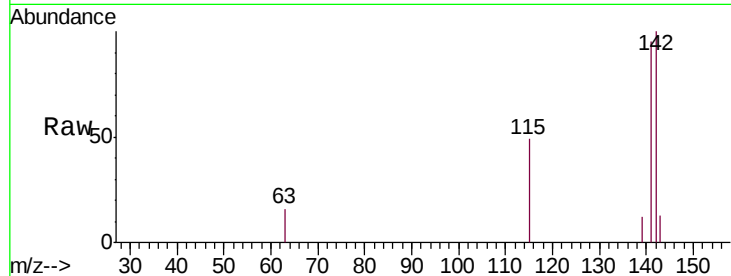




#37  
 2-Methylnaphthalene  
 Concen: 2.047 ng  
 RT: 11.97 min Scan# 1528  
 Delta R.T. 0.01 min  
 Lab File: BM022430.D  
 Acq: 30 Aug 2019 04:40

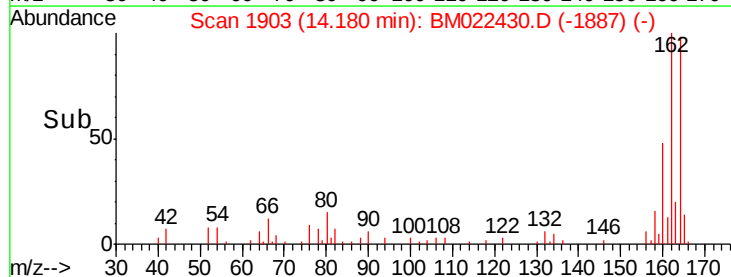
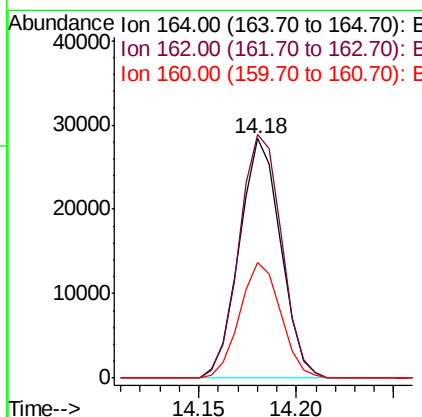
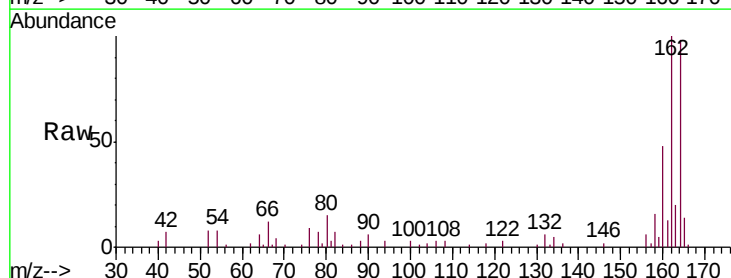
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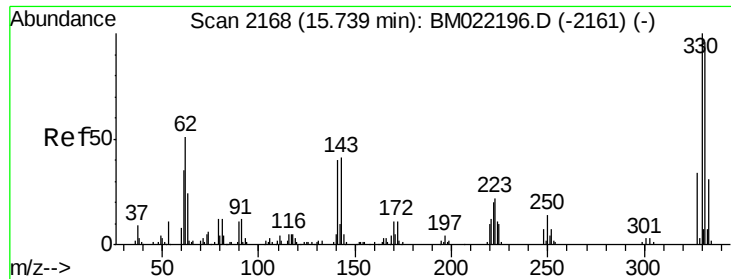
Tgt Ion:142 Resp: 5102  
 Ion Ratio Lower Upper  
 142 100  
 141 95.2 72.2 108.2  
 115 49.3 43.2 64.8



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.18 min Scan# 1903  
 Delta R.T. -0.01 min  
 Lab File: BM022430.D  
 Acq: 30 Aug 2019 04:40

Tgt Ion:164 Resp: 41719  
 Ion Ratio Lower Upper  
 164 100  
 162 101.7 80.6 121.0  
 160 48.4 37.3 55.9

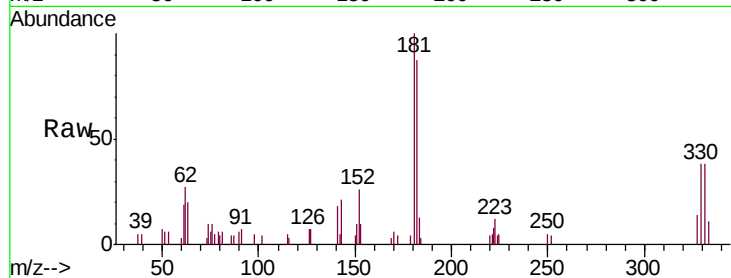




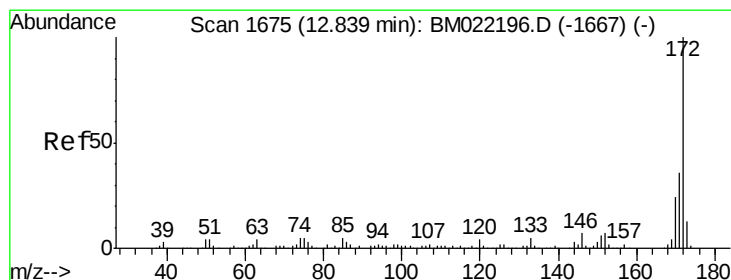
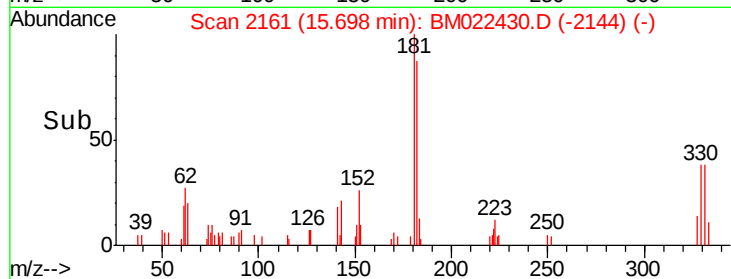
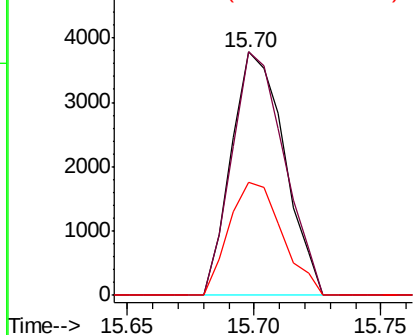
#42  
 2,4,6-Tribromophenol  
 Concen: 6.443 ng  
 RT: 15.70 min Scan# 2161  
 Delta R.T. -0.00 min  
 Lab File: BM022430.D  
 Acq: 30 Aug 2019 04:40

Instrument :  
 BNA\_M  
 ClientSampleId :  
 S704A-N-0.0-0.5-082819

Tgt Ion: 330 Resp: 5500  
 Ion Ratio Lower Upper  
 330 100  
 332 98.8 77.8 116.8  
 141 46.8 35.6 53.4

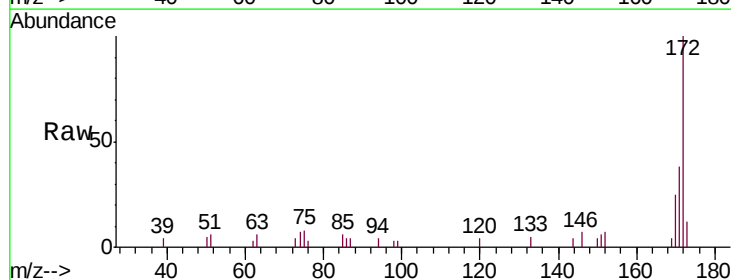


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

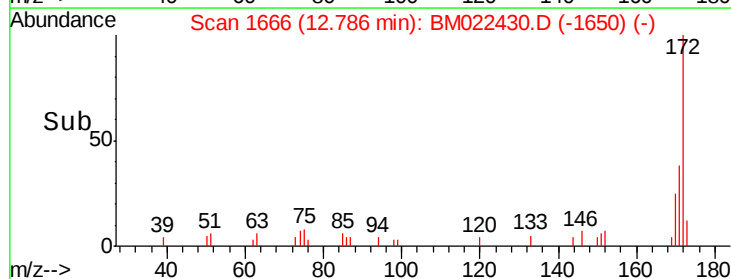
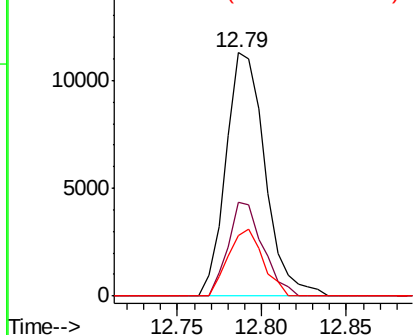


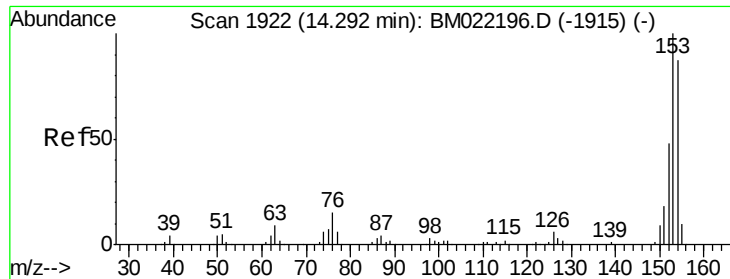
#45  
 2-Fluorobiphenyl  
 Concen: 4.948 ng  
 RT: 12.79 min Scan# 1666  
 Delta R.T. -0.01 min  
 Lab File: BM022430.D  
 Acq: 30 Aug 2019 04:40

Tgt Ion: 172 Resp: 18222  
 Ion Ratio Lower Upper  
 172 100  
 171 38.5 28.5 42.7  
 170 24.8 18.9 28.3



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: 25.166 ng

RT: 14.24 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BM022430.D

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Instrument :

BNA\_M

ClientSampleId :

S704A-N-0.0-0.5-082819

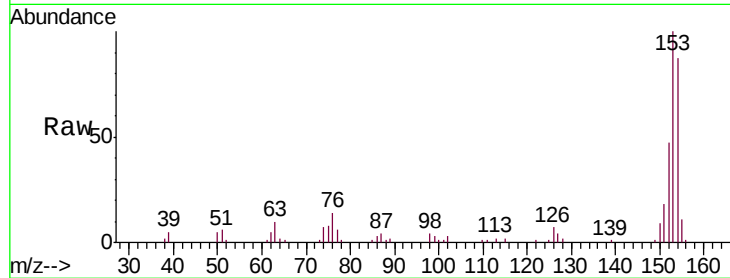
Tgt Ion:154 Resp: 61657

Ion Ratio Lower Upper

154 100

153 115.5 94.3 141.5

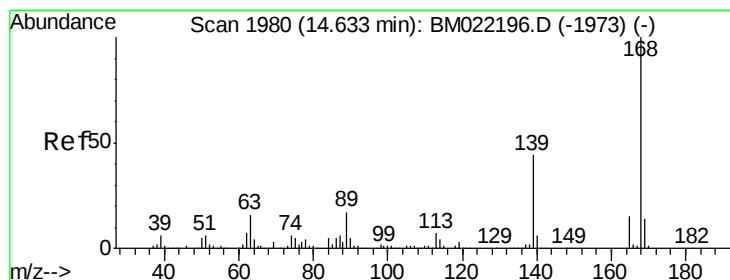
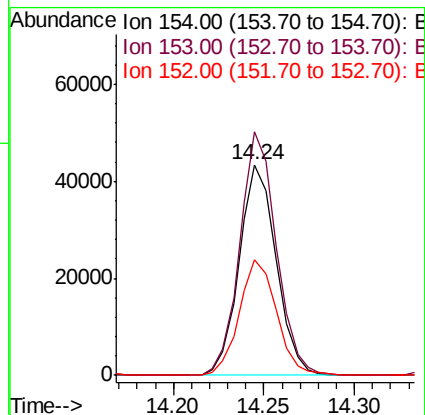
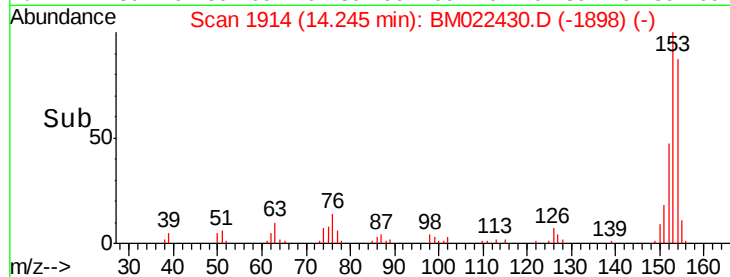
152 54.7 45.4 68.2



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: 12.731 ng

RT: 14.59 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BM022430.D

Acq: 30 Aug 2019 04:40

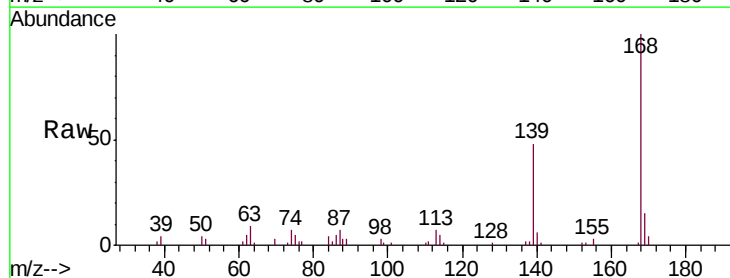
Tgt Ion:168 Resp: 52543

Ion Ratio Lower Upper

168 100

139 47.9 36.1 54.1

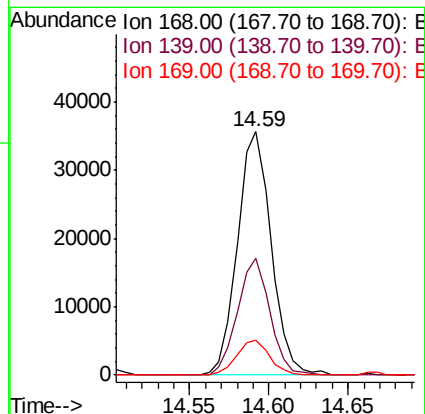
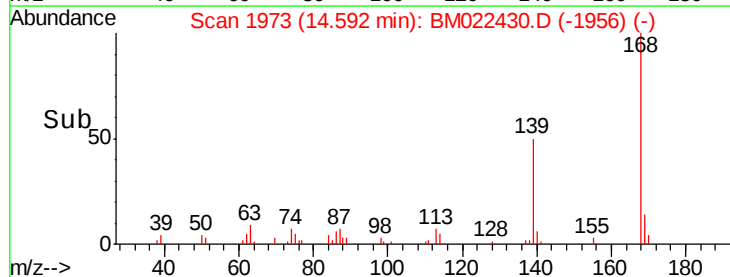
169 14.6 10.4 15.6

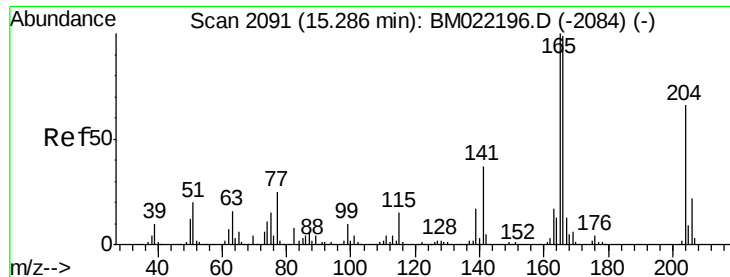


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 24.163 ng

RT: 15.24 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BM022430.D

Acq: 30 Aug 2019 04:40

Instrument :

BNA\_M

ClientSampleId :

S704A-N-0.0-0.5-082819

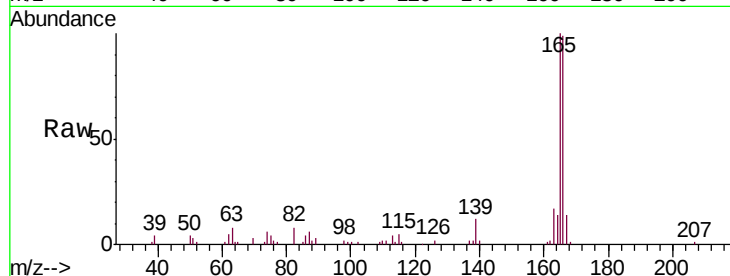
Tgt Ion:166 Resp: 89095

Ion Ratio Lower Upper

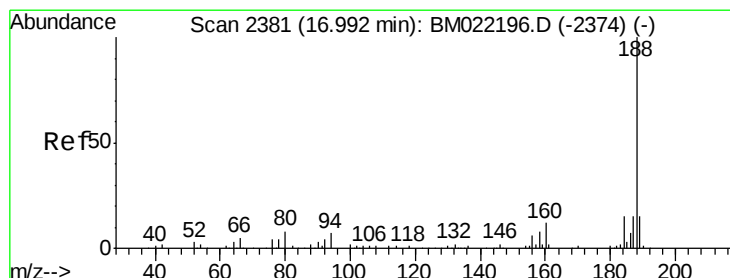
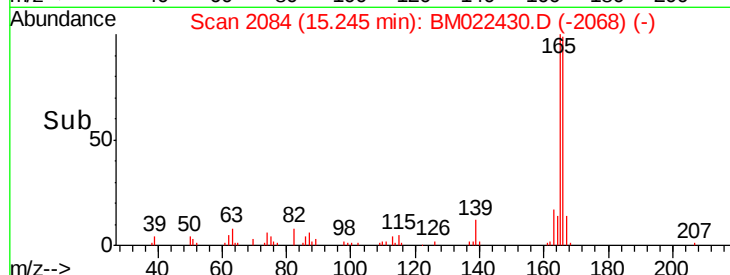
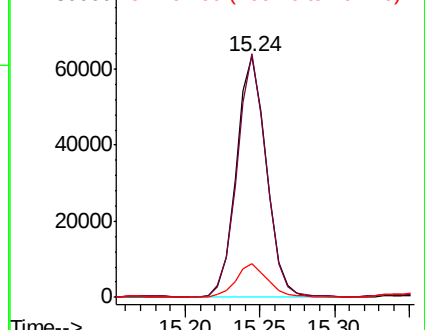
166 100

165 101.3 81.1 121.7

167 13.8 11.1 16.7



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: 16.95 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BM022430.D

Acq: 30 Aug 2019 04:40

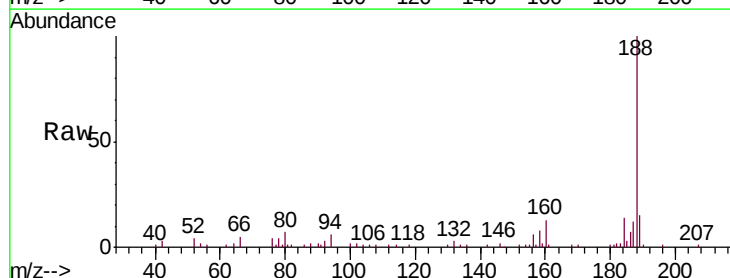
Tgt Ion:188 Resp: 96502

Ion Ratio Lower Upper

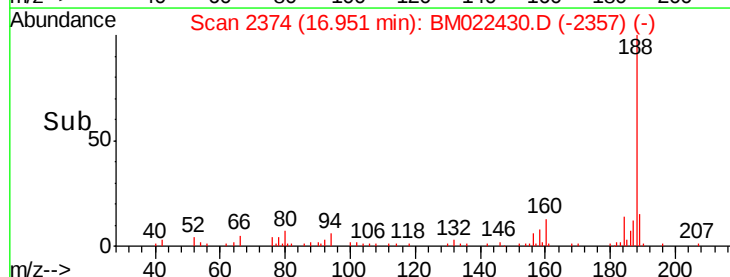
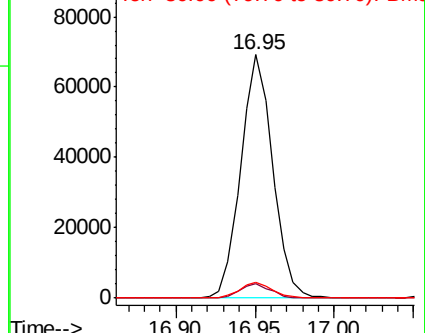
188 100

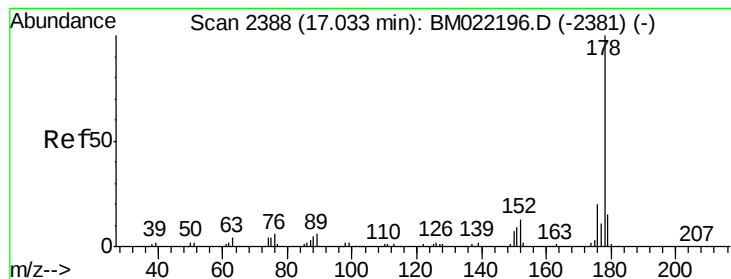
94 5.9 4.4 6.6

80 6.7 5.0 7.6



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: 384.670 ng

RT: 17.00 min Scan# 2383

Delta R.T. 0.01 min

Lab File: BM022430.D

Acq: 30 Aug 2019 04:40

Instrument :

BNA\_M

ClientSampleId :

S704A-N-0.0-0.5-082819

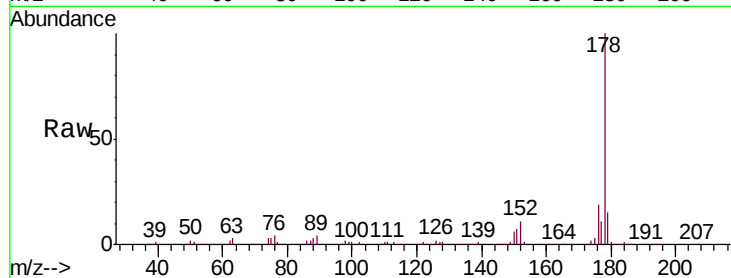
Tgt Ion:178 Resp: 2163794

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

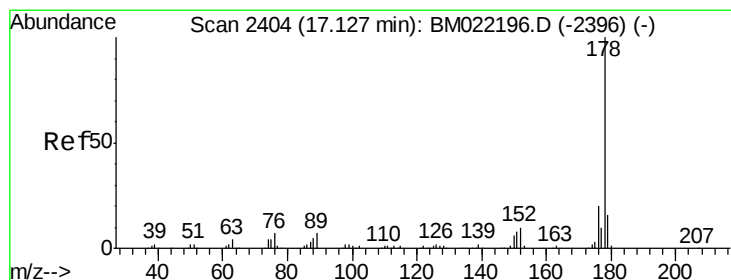
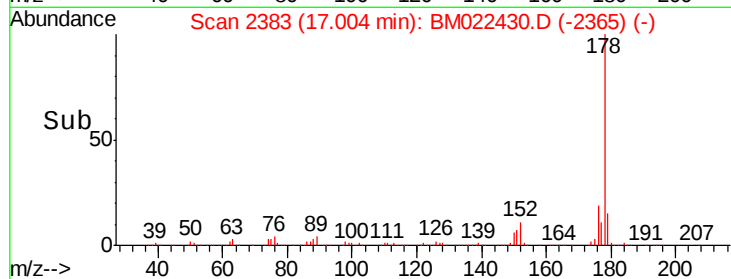
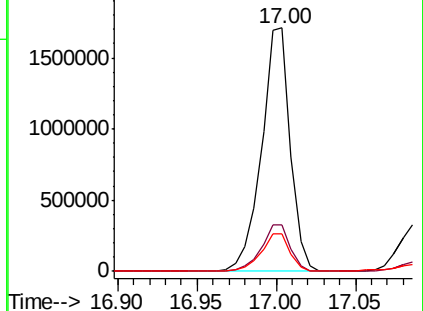
179 15.4 12.3 18.5



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: 74.632 ng

RT: 17.09 min Scan# 2397

Delta R.T. -0.01 min

Lab File: BM022430.D

Acq: 30 Aug 2019 04:40

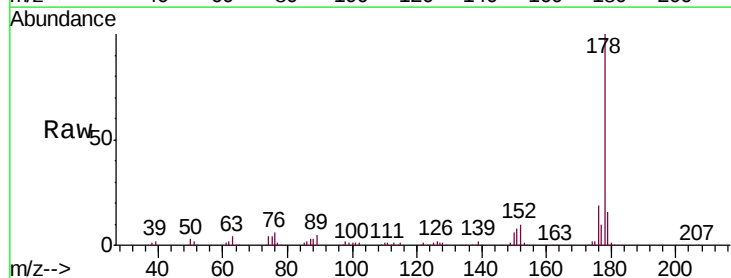
Tgt Ion:178 Resp: 413043

Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.4

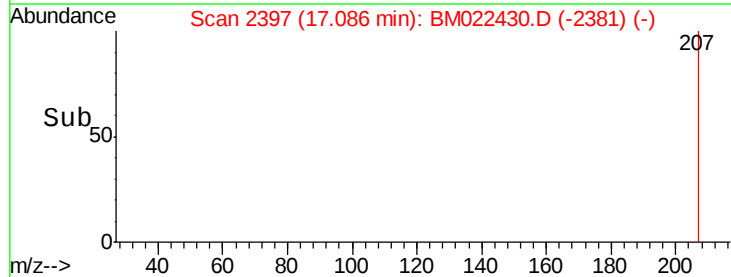
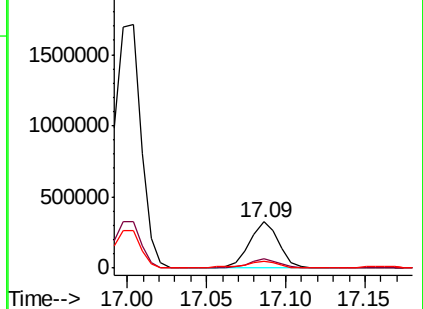
179 15.6 11.8 17.6

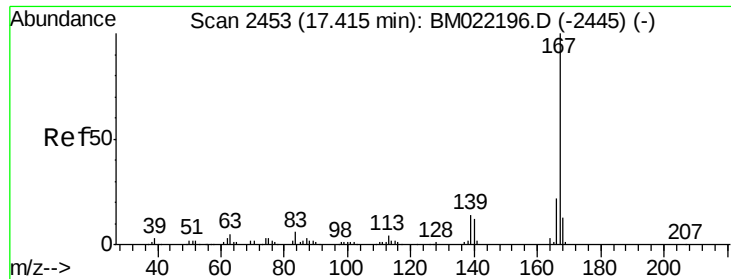


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

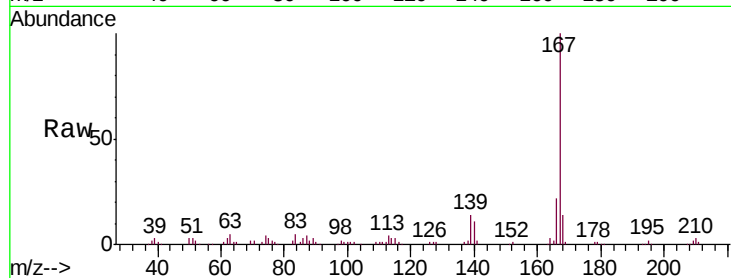




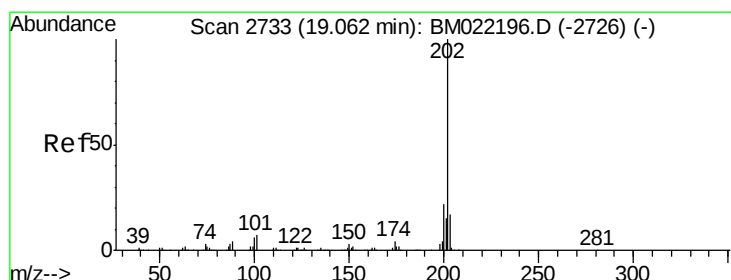
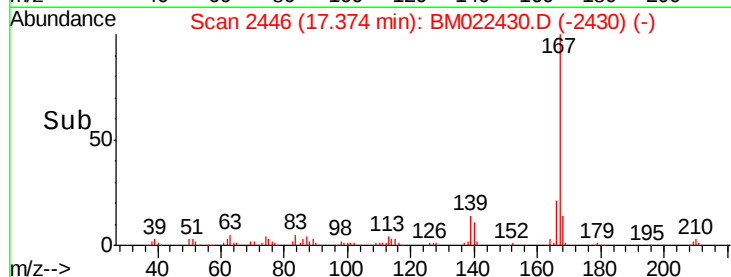
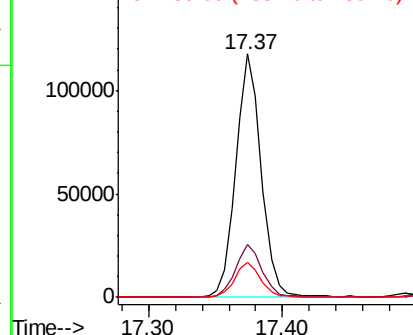
#73  
 Carbazole  
 Concen: 34.209 ng  
 RT: 17.37 min Scan# 2446  
 Delta R.T. -0.01 min  
 Lab File: BM022430.D  
 Acq: 30 Aug 2019 04:40

Instrument :  
 BNA\_M  
 ClientSampleId :  
 S704A-N-0.0-0.5-082819

Tgt Ion:167 Resp: 156497  
 Ion Ratio Lower Upper  
 167 100  
 166 21.7 17.8 26.6  
 139 14.2 11.6 17.4

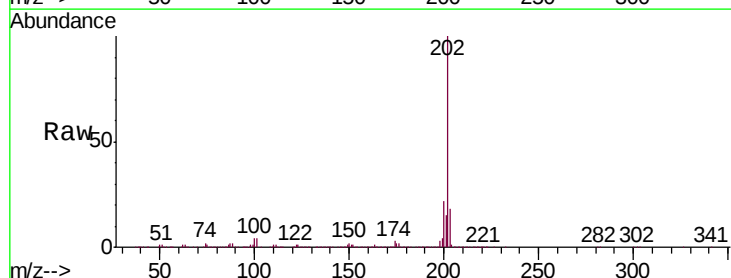


Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E

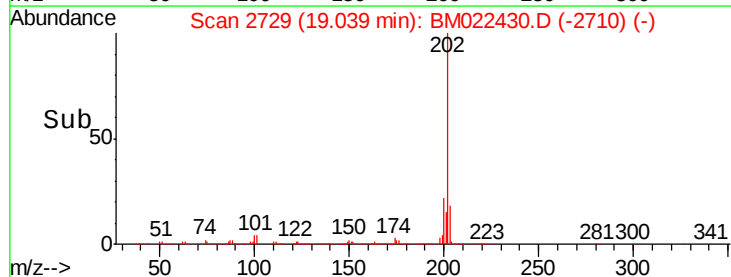
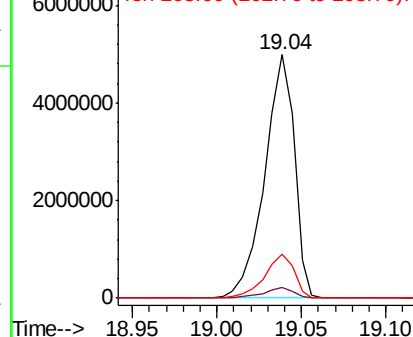


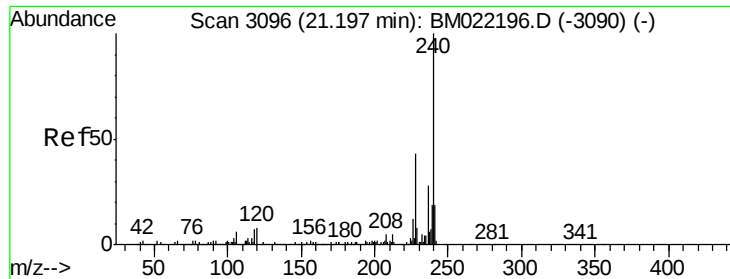
#75  
 Fluoranthene  
 Concen: 810.381 ng  
 RT: 19.04 min Scan# 2729  
 Delta R.T. 0.01 min  
 Lab File: BM022430.D  
 Acq: 30 Aug 2019 04:40

Tgt Ion:202 Resp: 6070545  
 Ion Ratio Lower Upper  
 202 100  
 101 4.3 0.0 25.1  
 203 18.2 0.0 37.1



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

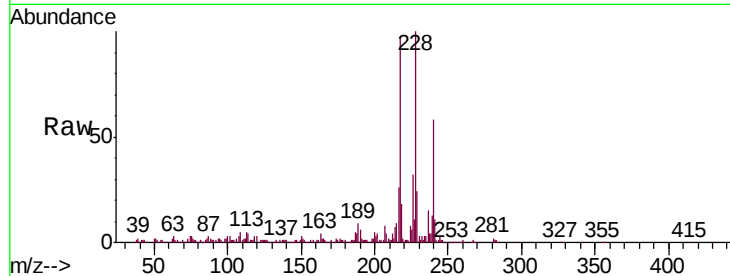




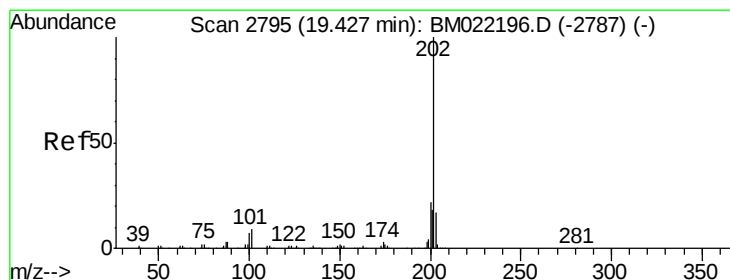
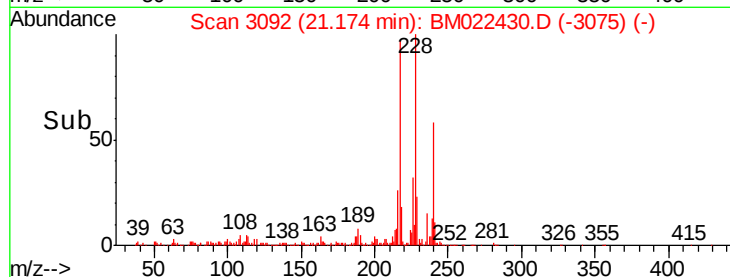
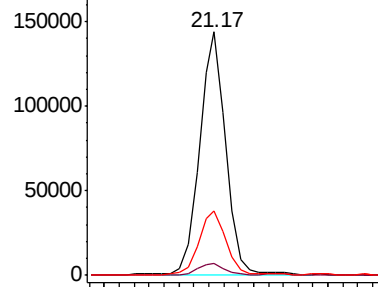
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.17 min Scan# 3092  
Delta R.T. -0.00 min  
Lab File: BM022430.D  
Acq: 30 Aug 2019 04:40

Instrument :  
BNA\_M  
ClientSampleId :  
S704A-N-0.0-0.5-082819

Tgt Ion:240 Resp: 174838  
Ion Ratio Lower Upper  
240 100  
120 4.8 3.9 5.9  
236 26.5 21.4 32.2

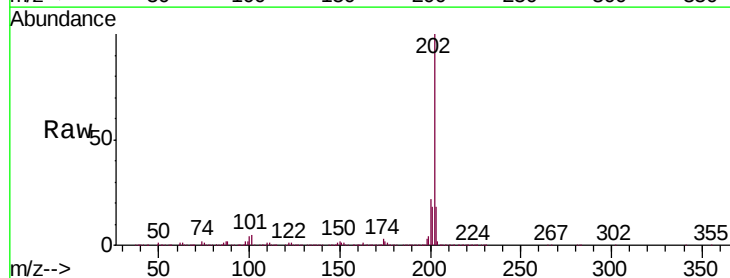


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

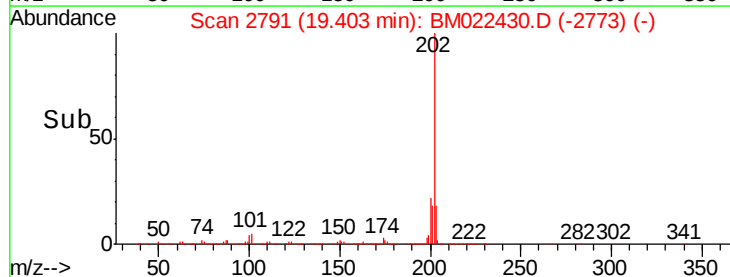
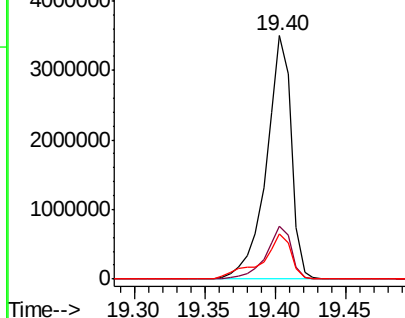


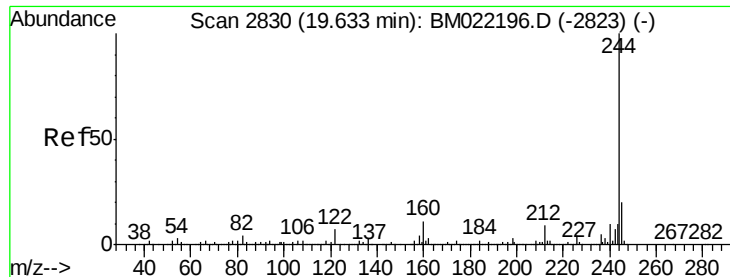
#78  
Pyrene  
Concen: 363.842 ng  
RT: 19.40 min Scan# 2791  
Delta R.T. 0.01 min  
Lab File: BM022430.D  
Acq: 30 Aug 2019 04:40

Tgt Ion:202 Resp: 4335263  
Ion Ratio Lower Upper  
202 100  
200 22.0 17.7 26.5  
203 18.4 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: 3.125 ng

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM022430.D

Acq: 30 Aug 2019 04:40

Instrument :

BNA\_M

ClientSampleId :

S704A-N-0.0-0.5-082819

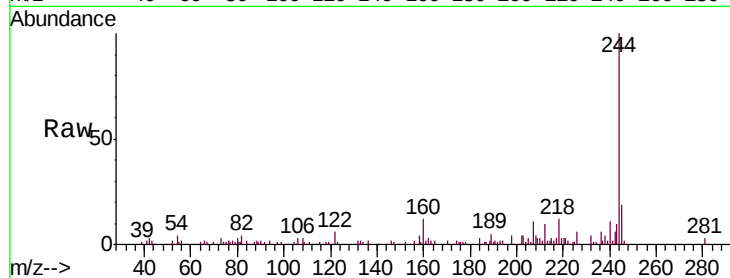
Tgt Ion:244 Resp: 41394

Ion Ratio Lower Upper

244 100

212 10.5 7.0 10.4#

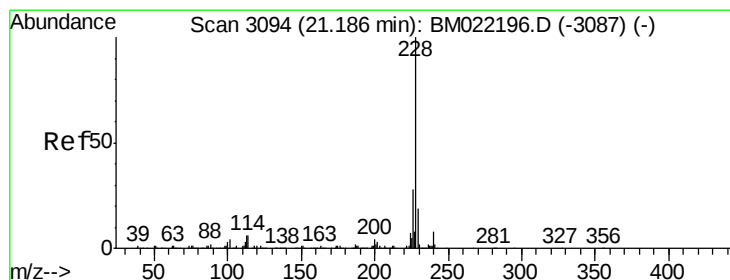
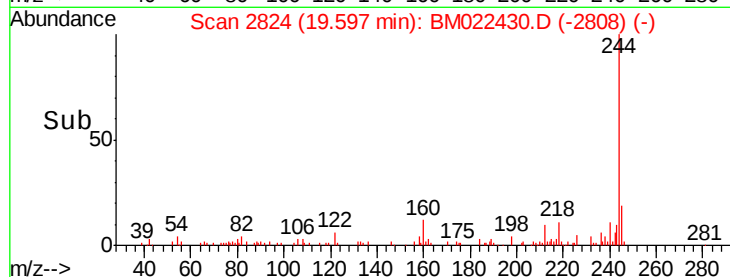
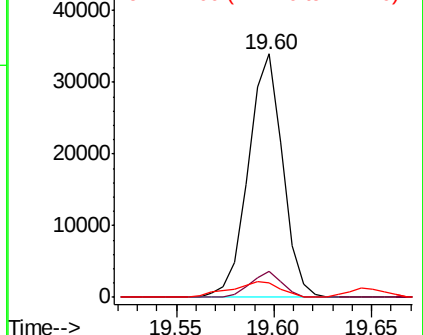
122 5.8 3.9 5.9



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



#81

Benzo(a)anthracene

Concen: 173.248 ng

RT: 21.16 min Scan# 3089

Delta R.T. -0.00 min

Lab File: BM022430.D

Acq: 30 Aug 2019 04:40

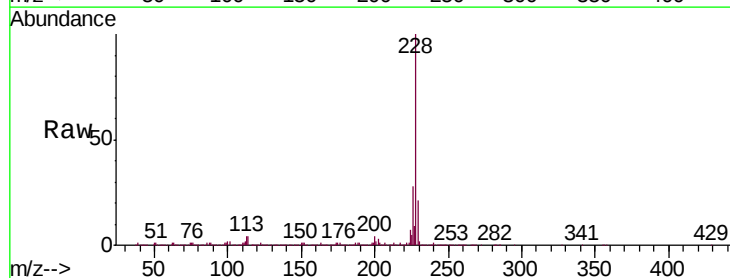
Tgt Ion:228 Resp: 2174129

Ion Ratio Lower Upper

228 100

226 28.1 22.6 34.0

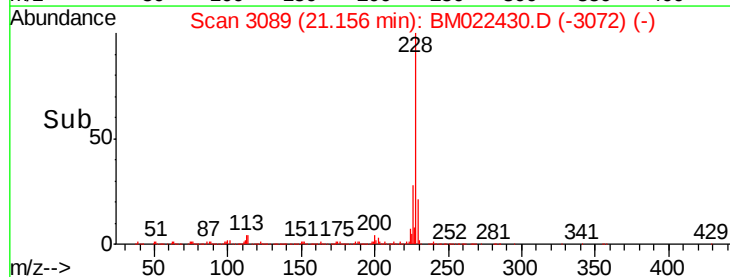
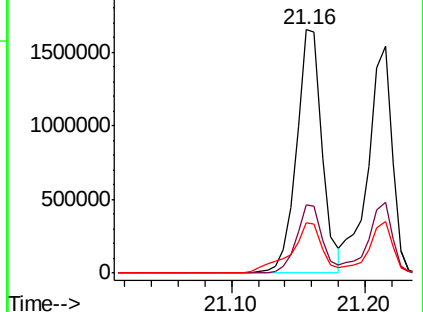
229 20.7 15.9 23.9

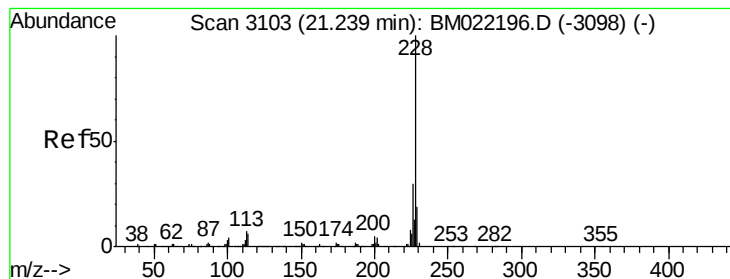


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 160.502 ng

RT: 21.22 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BM022430.D

Acq: 30 Aug 2019 04:40

Instrument :

BNA\_M

ClientSampleId :

S704A-N-0.0-0.5-082819

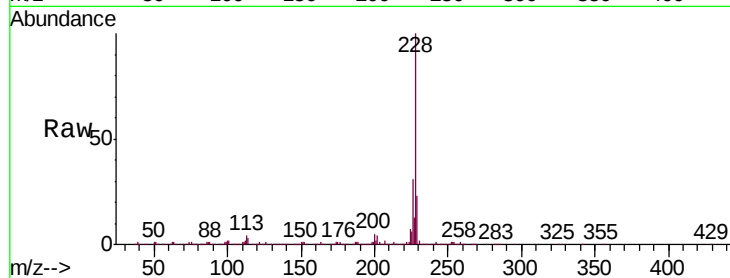
Tgt Ion:228 Resp: 1917137

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.9  | 24.5  | 36.7  |
| 229 | 22.5  | 15.7  | 23.5  |

228 100

226 30.9 24.5 36.7

229 22.5 15.7 23.5

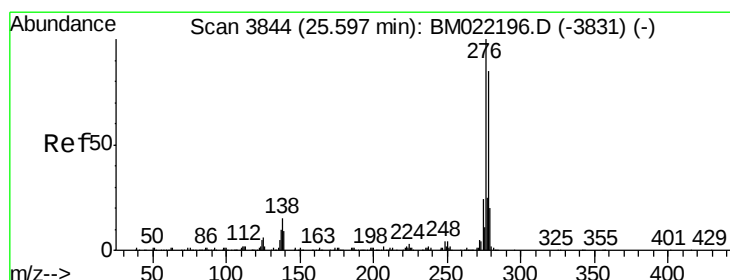
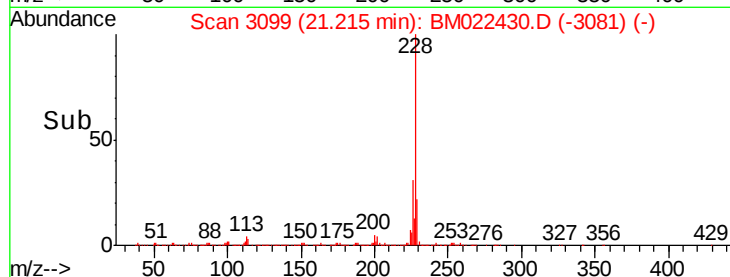
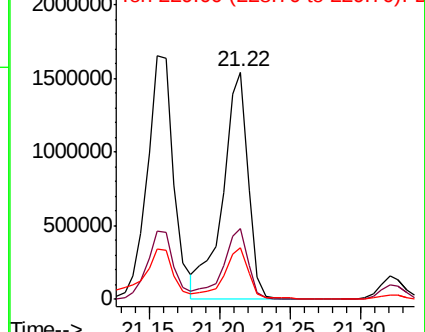


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 83.173 ng

RT: 25.56 min Scan# 3837

Delta R.T. 0.02 min

Lab File: BM022430.D

Acq: 30 Aug 2019 04:40

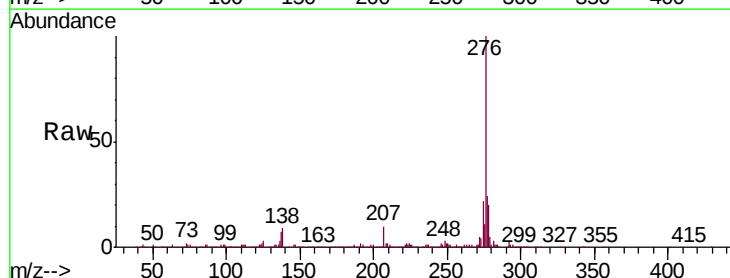
Tgt Ion:276 Resp: 999300

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 9.6   | 9.1   | 13.7  |
| 277 | 24.2  | 20.0  | 30.0  |

276 100

138 9.6 9.1 13.7

277 24.2 20.0 30.0

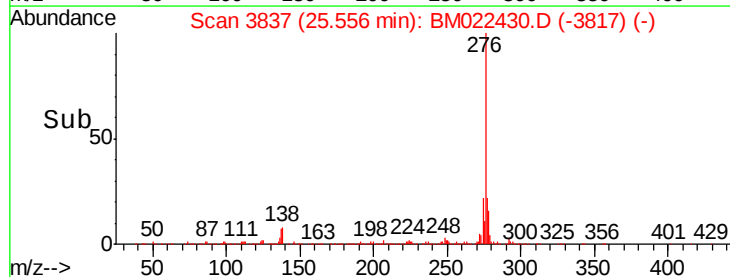
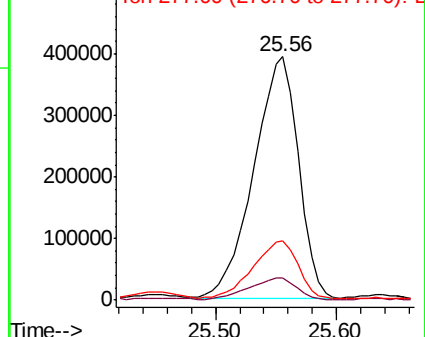


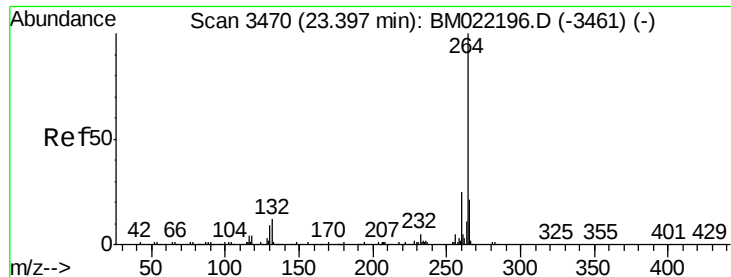
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.36 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BM022430.D

Acq: 30 Aug 2019 04:40

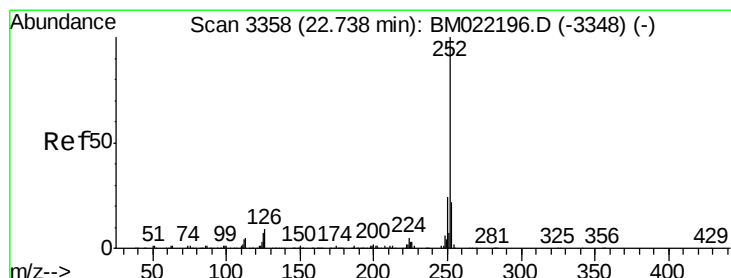
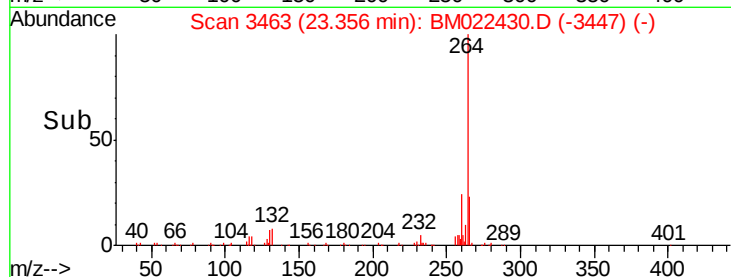
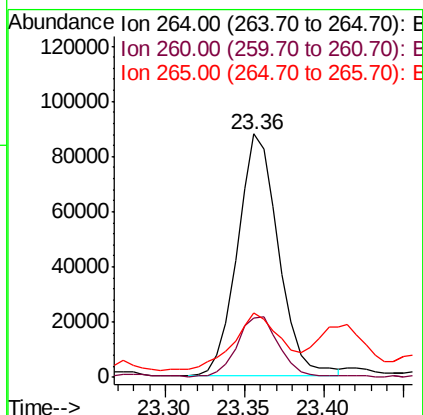
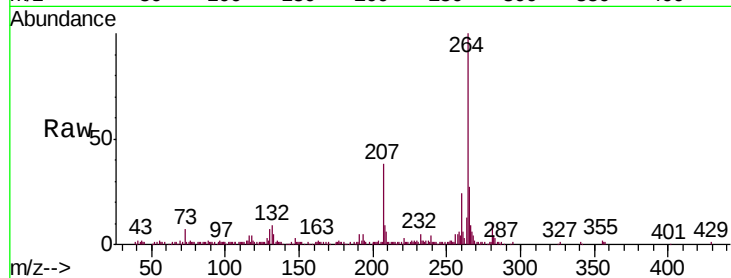
Instrument :

BNA\_M

ClientSampleId :

S704A-N-0.0-0.5-082819

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 157277 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.3  | 20.2  | 30.2   |
| 265      | 26.5  | 18.2  | 27.2   |



#88

Benzo(b)fluoranthene

Concen: 234.549 ng

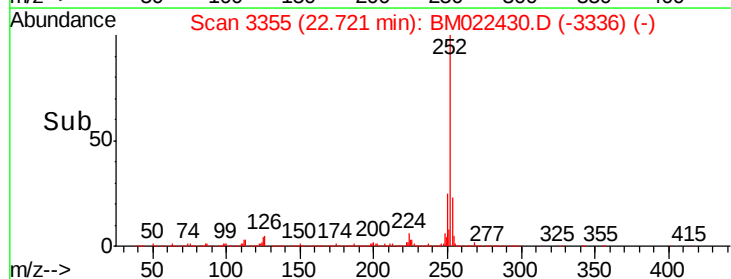
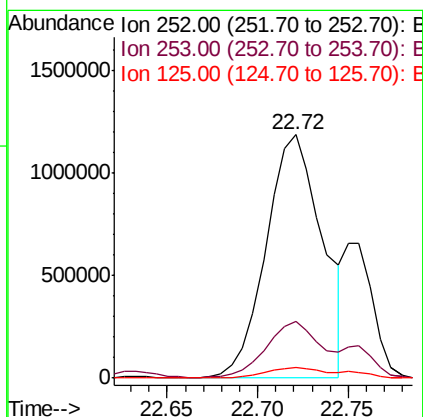
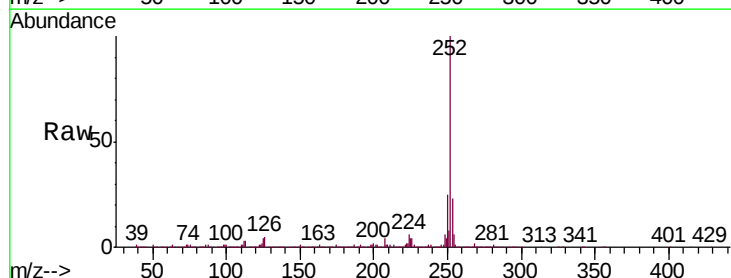
RT: 22.72 min Scan# 3355

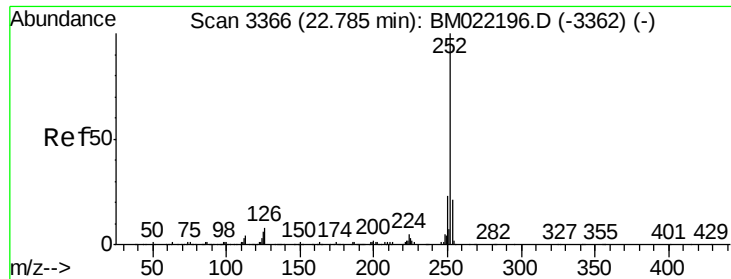
Delta R.T. 0.01 min

Lab File: BM022430.D

Acq: 30 Aug 2019 04:40

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 252   | Resp: | 2562724 |
| Ion      | Ratio | Lower | Upper   |
| 252      | 100   |       |         |
| 253      | 23.1  | 17.9  | 26.9    |
| 125      | 4.2   | 3.5   | 5.3     |

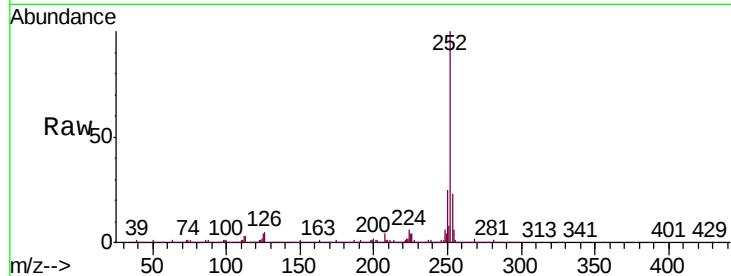




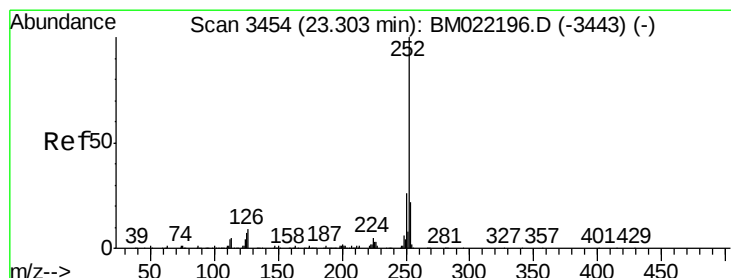
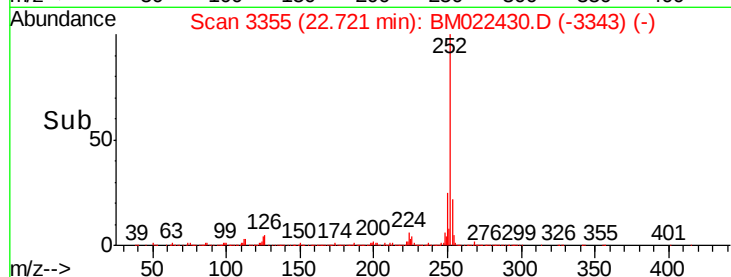
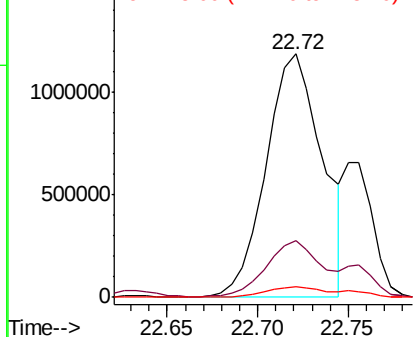
#89  
Benzo(k)fluoranthene  
Concen: 236.436 ng  
RT: 22.72 min Scan# 3355  
Delta R.T. -0.03 min  
Lab File: BM022430.D  
Acq: 30 Aug 2019 04:40

Instrument :  
BNA\_M  
ClientSampleId :  
S704A-N-0.0-0.5-082819

Tgt Ion:252 Resp: 2562724  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.0 25.4  
125 4.2 3.7 5.5

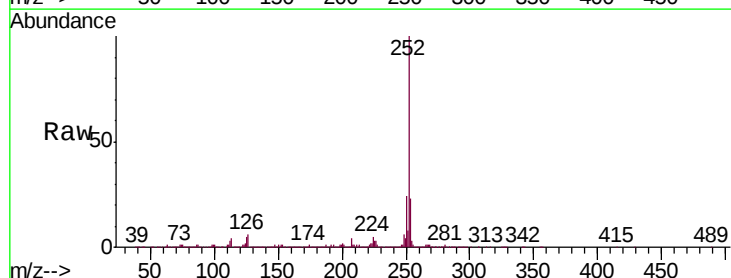


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

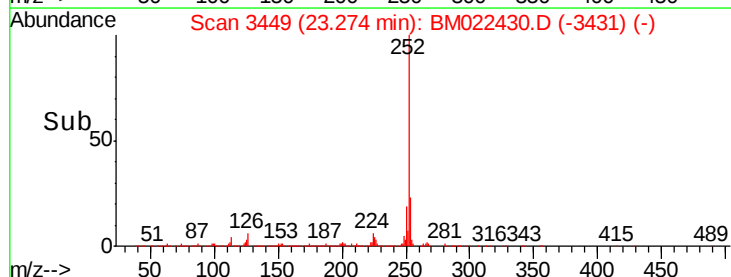
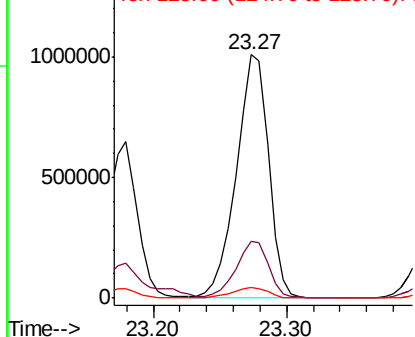


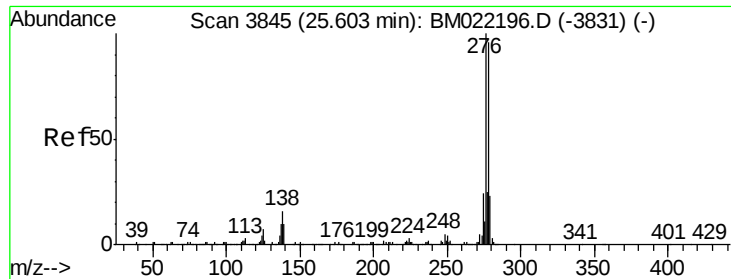
#90  
Benzo(a)pyrene  
Concen: 173.348 ng  
RT: 23.27 min Scan# 3449  
Delta R.T. 0.01 min  
Lab File: BM022430.D  
Acq: 30 Aug 2019 04:40

Tgt Ion:252 Resp: 1681139  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.2 27.2  
125 4.6 3.8 5.8



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

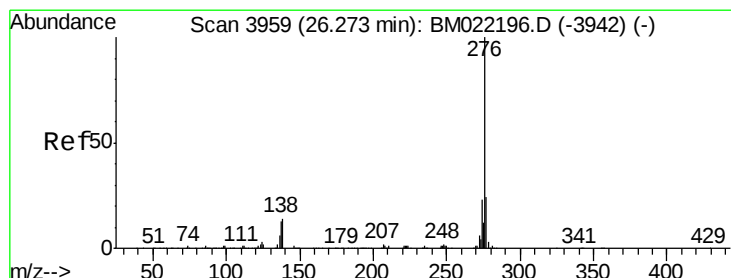
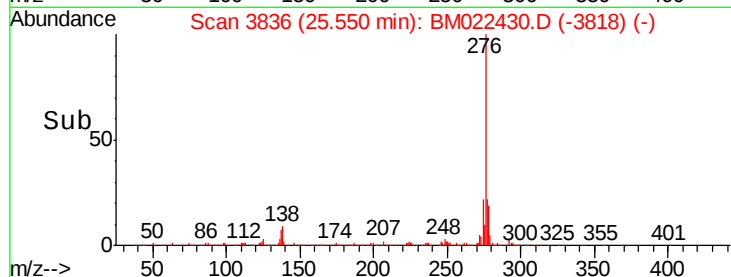
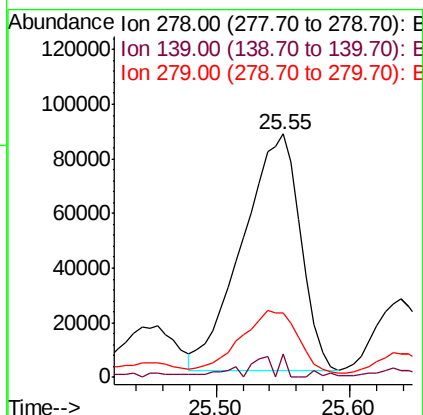
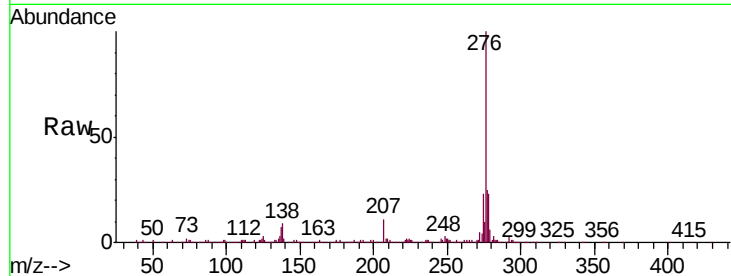




#91  
Dibenzo(a,h)anthracene  
Concen: 26.850 ng  
RT: 25.55 min Scan# 3836  
Delta R.T. 0.01 min  
Lab File: BM022430.D  
Acq: 30 Aug 2019 04:40

Instrument :  
BNA\_M  
ClientSampleId :  
S704A-N-0.0-0.5-082819

Tgt Ion: 278 Resp: 259653  
Ion Ratio Lower Upper  
278 100  
139 9.9 6.6 9.8#  
279 26.3 19.3 28.9



#92  
Benzo(g,h,i)perylene  
Concen: 112.214 ng  
RT: 26.23 min Scan# 3951  
Delta R.T. 0.01 min  
Lab File: BM022430.D  
Acq: 30 Aug 2019 04:40

Tgt Ion: 276 Resp: 945768  
Ion Ratio Lower Upper  
276 100  
277 25.2 19.4 29.0  
138 10.3 8.8 13.2

