

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092319\  
 Data File : BM022742.D  
 Acq On : 23 Sep 2019 15:56  
 Operator : HP/JU  
 Sample : PB123250BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Sep 24 07:08:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 24 07:00:32 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 326428   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.62 | 136  | 1250089  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.46 | 164  | 762924   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.20 | 188  | 1635538  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.37 | 240  | 1557919  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.65 | 264  | 1536346  | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.41  | 112  | 2318338  | 112.64 | ng    | 0.00     |
| 7) Phenol-d6                | 6.99  | 99   | 3103509  | 117.40 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.98  | 82   | 1746286  | 77.54  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.94 | 330  | 1172558  | 123.12 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.09 | 172  | 4292017  | 77.47  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.82 | 244  | 6952707  | 86.42  | ng    | 0.00     |

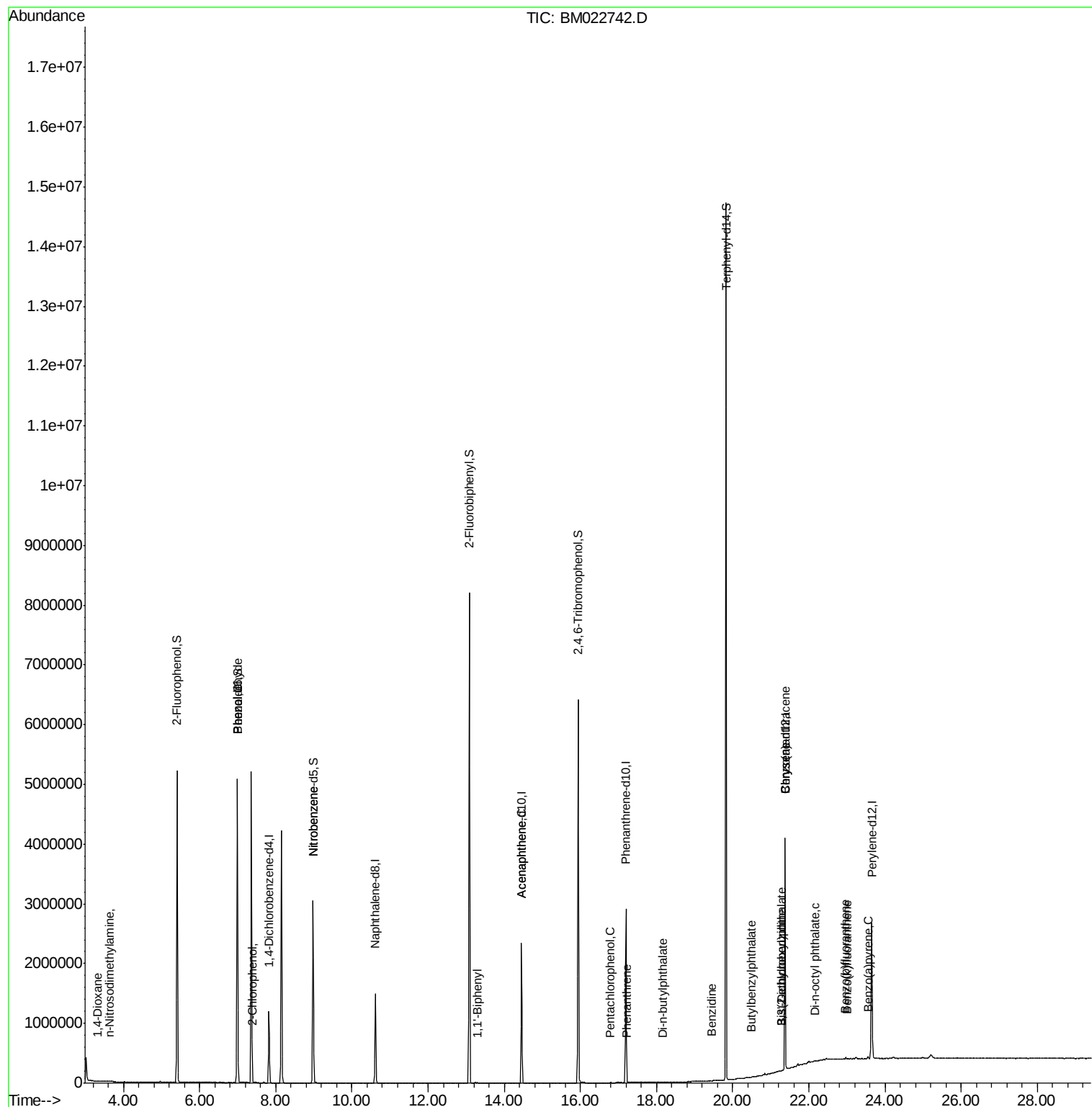
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.32  | 88   | 199      | 0.024 | ng    | # 100  |
| 4) n-Nitrosodimethylamine      | 3.65  | 42   | 277      | 0.035 | ng    | # 1    |
| 8) 2-Chlorophenol              | 7.39  | 128  | 597      | 0.028 | ng    | # 1    |
| 9) Benzaldehyde                | 7.00  | 77   | 4939     | 0.328 | ng    | # 1    |
| 10) Phenol                     | 7.00  | 94   | 107      | 0.004 | ng    | # 1    |
| 24) Nitrobenzene               | 8.97  | 77   | 5578     | 0.259 | ng    | # 32   |
| 46) 1,1'-Biphenyl              | 13.29 | 154  | 5946     | 0.094 | ng    | # 96   |
| 52) Acenaphthene               | 14.46 | 154  | 2325     | 0.051 | ng    | # 5    |
| 70) Pentachlorophenol          | 16.79 | 266  | 115      | 0.010 | ng    | # 1    |
| 71) Phenanthrene               | 17.23 | 178  | 133      | 0.001 | ng    | # 60   |
| 74) Di-n-butylphthalate        | 18.17 | 149  | 586      | 0.006 | ng    | # 79   |
| 77) Benzidine                  | 19.43 | 184  | 124      | 0.003 | ng    | # 67   |
| 80) Butylbenzylphthalate       | 20.49 | 149  | 408      | 0.011 | ng    | # 26   |
| 81) Benzo(a)anthracene         | 21.37 | 228  | 4413     | 0.044 | ng    | # 68   |
| 82) 3,3'-Dichlorobenzidine     | 21.30 | 252  | 222      | 0.006 | ng    | # 25   |
| 83) Chrysene                   | 21.37 | 228  | 4413     | 0.045 | ng    | # 65   |
| 84) Bis(2-ethylhexyl)phthalate | 21.30 | 149  | 471      | 0.008 | ng    | # 52   |
| 85) Di-n-octyl phthalate       | 22.16 | 149  | 158      | 0.002 | ng    | # 1    |
| 88) Benzo(b)fluoranthene       | 22.96 | 252  | 218      | 0.002 | ng    | # 1    |
| 89) Benzo(k)fluoranthene       | 23.02 | 252  | 141      | 0.002 | ng    | # 1    |
| 90) Benzo(a)pyrene             | 23.54 | 252  | 322      | 0.004 | ng    | # 1    |

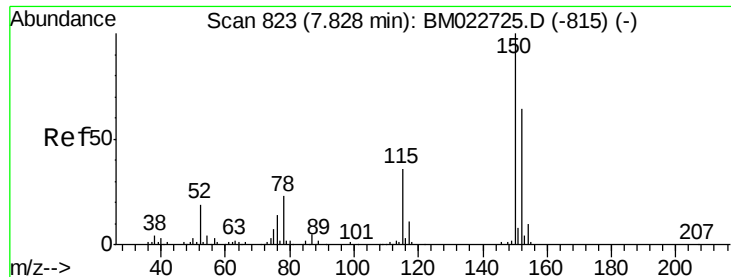
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092319\  
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Sample : PB123250BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
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Quant Time: Sep 24 07:08:15 2019  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 24 07:00:32 2019  
Response via : Initial Calibration



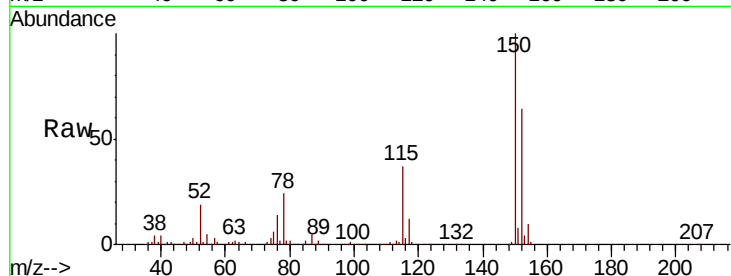


#1

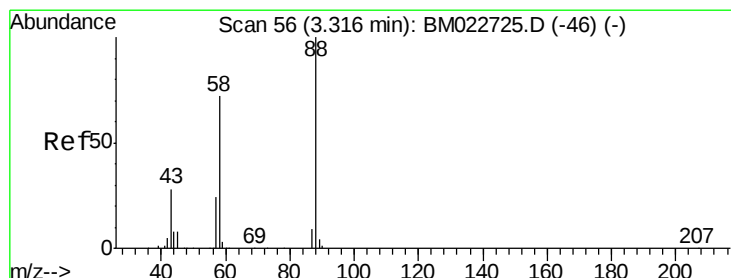
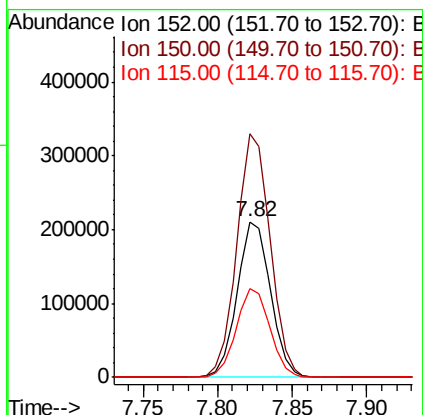
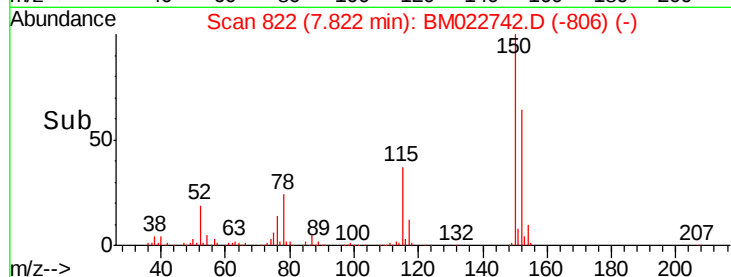
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.82 min Scan# 822  
Delta R.T. -0.01 min  
Lab File: BM022742.D  
Acq: 23 Sep 2019 15:56

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:152 Resp: 326428  
Ion Ratio Lower Upper  
152 100  
150 156.2 124.5 186.7  
115 57.1 45.0 67.4



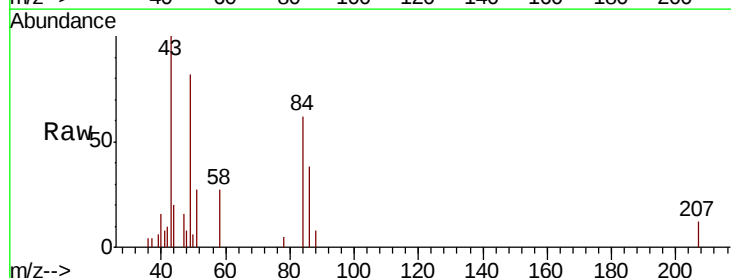
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



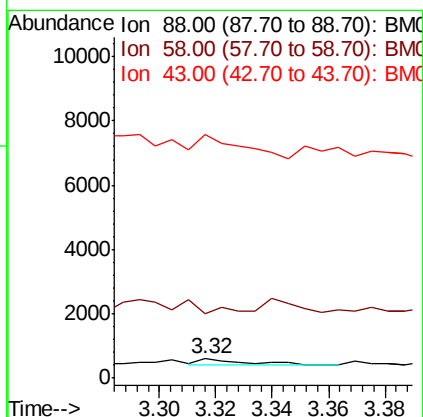
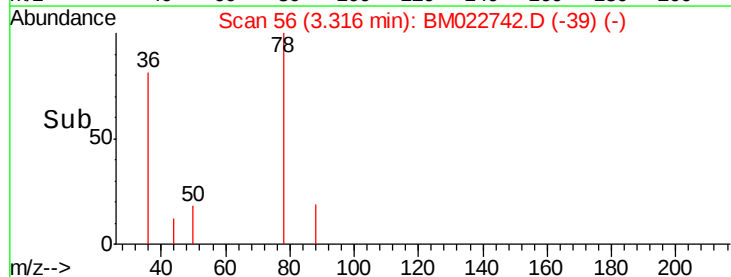
#2

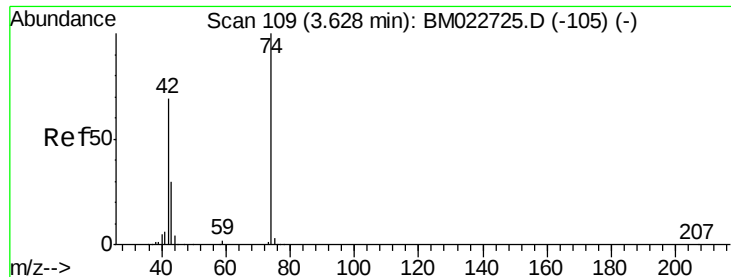
1,4-Dioxane  
Concen: 0.024 ng  
RT: 3.32 min Scan# 56  
Delta R.T. -0.00 min  
Lab File: BM022742.D  
Acq: 23 Sep 2019 15:56

Tgt Ion: 88 Resp: 199  
Ion Ratio Lower Upper  
88 100  
58 323.1 0.0 0.0#  
43 0.0 0.0 0.0



Abundance Ion 88.00 (87.70 to 88.70): BM0  
Ion 58.00 (57.70 to 58.70): BM0  
Ion 43.00 (42.70 to 43.70): BM0



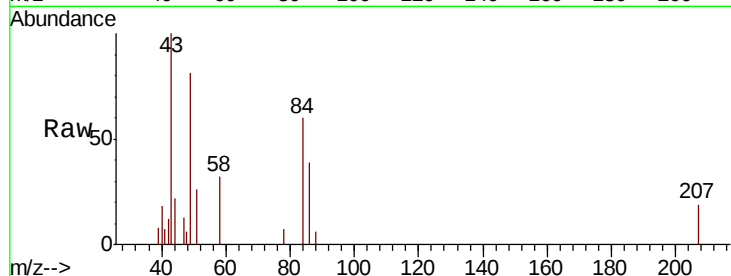


#4

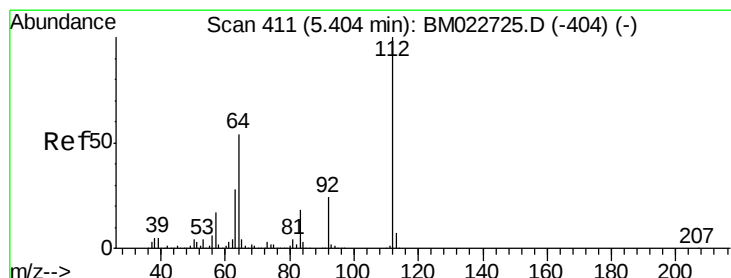
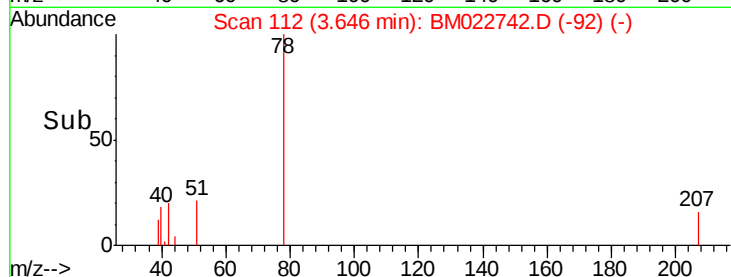
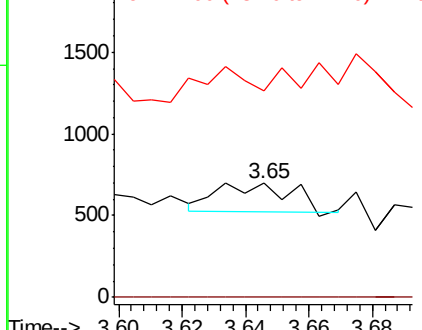
n-Nitrosodimethylamine  
 Concen: 0.035 ng  
 RT: 3.65 min Scan# 112  
 Delta R.T. 0.02 min  
 Lab File: BM022742.D  
 Acq: 23 Sep 2019 15:56

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 0.0   | 116.6 | 175.0# |
| 44      | 181.2 | 8.2   | 12.4#  |



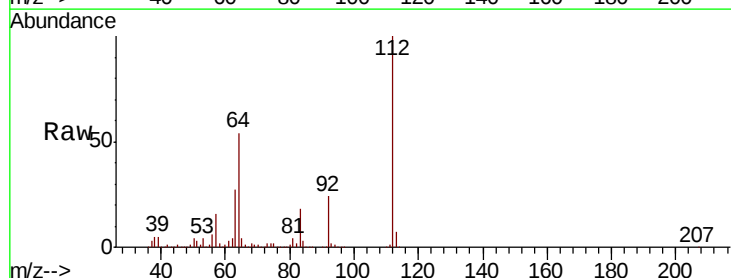
Abundance Ion 42.00 (41.70 to 42.70): BM0  
 Ion 74.00 (73.70 to 74.70): BM0  
 Ion 44.00 (43.70 to 44.70): BM0



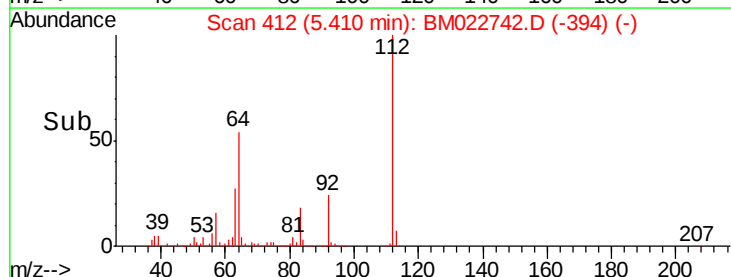
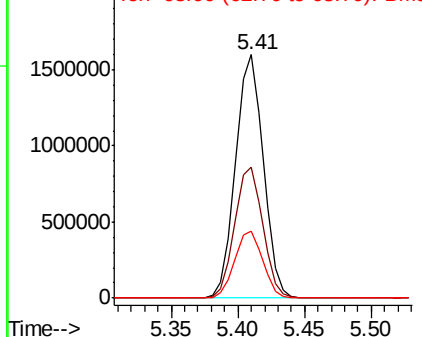
#5

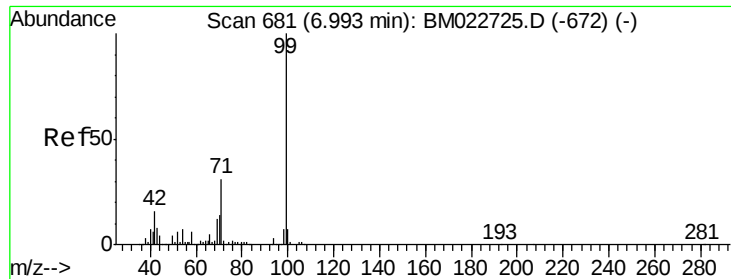
2-Fluorophenol  
 Concen: 112.637 ng  
 RT: 5.41 min Scan# 412  
 Delta R.T. 0.01 min  
 Lab File: BM022742.D  
 Acq: 23 Sep 2019 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.0  | 43.4  | 65.2  |
| 63      | 27.4  | 22.1  | 33.1  |



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: 117.399 ng

RT: 6.99 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM022742.D

Acq: 23 Sep 2019 15:56

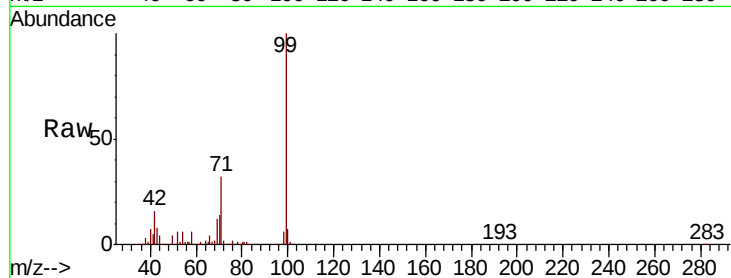
Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 99 Resp: 3103509

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.0  | 13.0  | 19.4  |
| 71  | 31.5  | 24.7  | 37.1  |

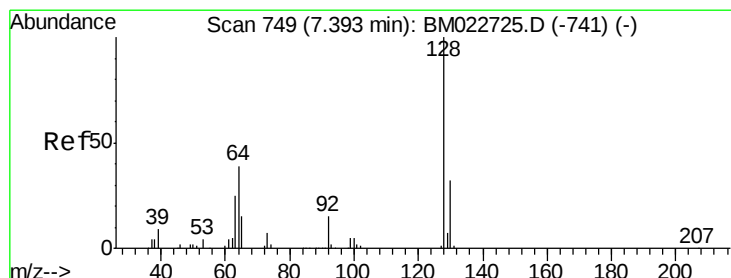
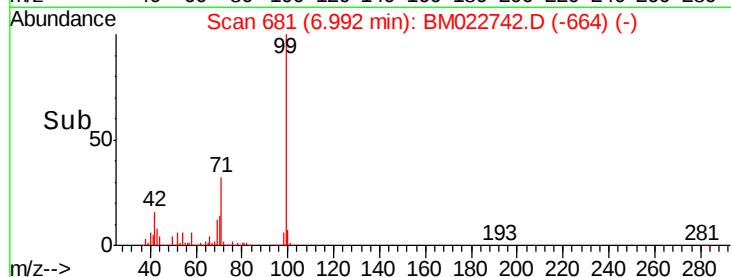


Abundance

Ion 99.00 (98.70 to 99.70): BM022742.D (-664) (-)

Ion 42.00 (41.70 to 42.70): BM022742.D (-664) (-)

Ion 71.00 (70.70 to 71.70): BM022742.D (-664) (-)



#8

2-Chlorophenol

Concen: 0.028 ng

RT: 7.39 min Scan# 749

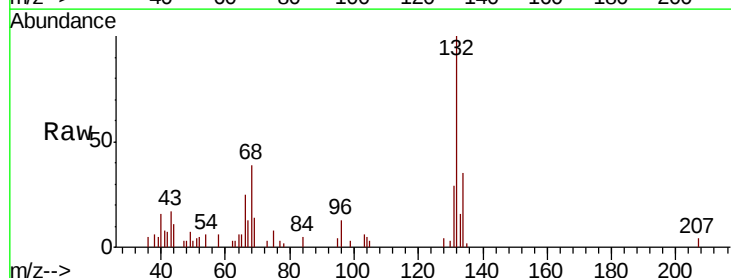
Delta R.T. -0.00 min

Lab File: BM022742.D

Acq: 23 Sep 2019 15:56

Tgt Ion: 128 Resp: 597

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 76.1  | 12.1  | 52.1# |
| 64  | 178.9 | 22.9  | 62.9# |

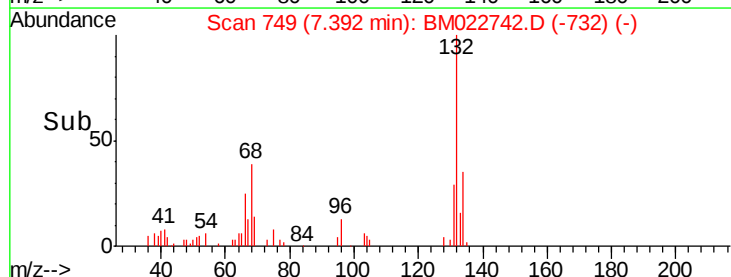


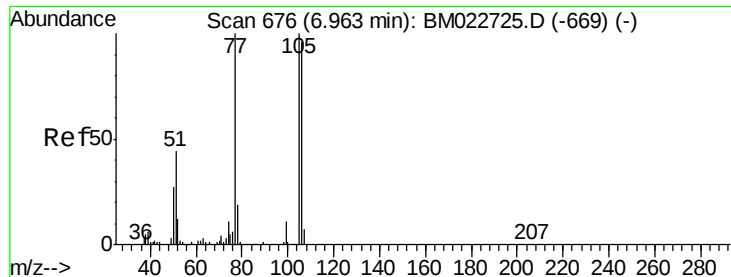
Abundance

Ion 128.00 (127.70 to 128.70): BM022742.D (-732) (-)

Ion 130.00 (129.70 to 130.70): BM022742.D (-732) (-)

Ion 64.00 (63.70 to 64.70): BM022742.D (-732) (-)





#9

Benzaldehyde

Concen: 0.328 ng

RT: 7.00 min Scan# 682

Delta R.T. 0.04 min

Lab File: BM022742.D

Acq: 23 Sep 2019 15:56

Instrument :

BNA\_M

ClientSampleId :

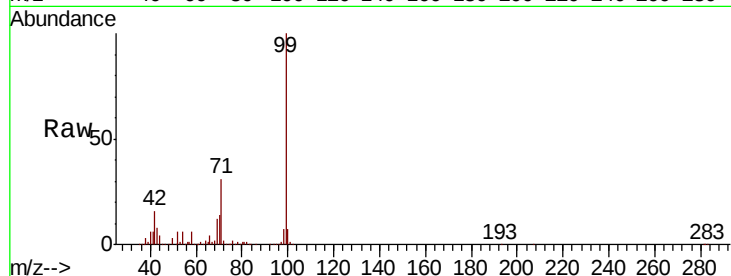
Tot Ion: 77 Resp: 4939

Ion Ratio Lower Upper

77 100

105 0.0 79.6 119.6#

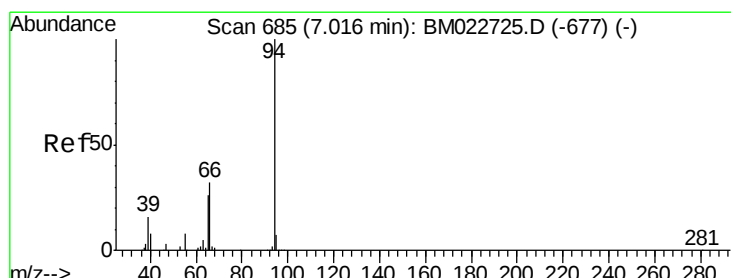
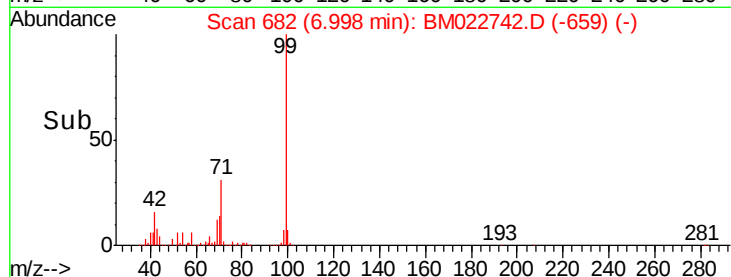
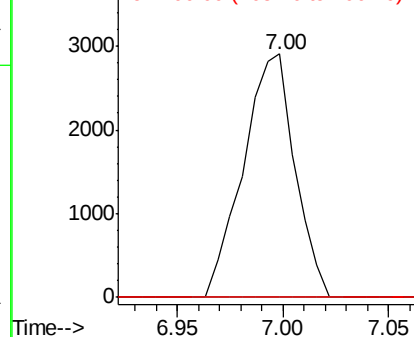
106 0.0 76.3 116.3#



Abundance Ion 77.00 (76.70 to 77.70): BM022742.D (-659) (-)

Ion 105.00 (104.70 to 105.70): BM022742.D (-659) (-)

Ion 106.00 (105.70 to 106.70): BM022742.D (-659) (-)



#10

Phenol

Concen: 0.004 ng

RT: 7.00 min Scan# 682

Delta R.T. -0.02 min

Lab File: BM022742.D

Acq: 23 Sep 2019 15:56

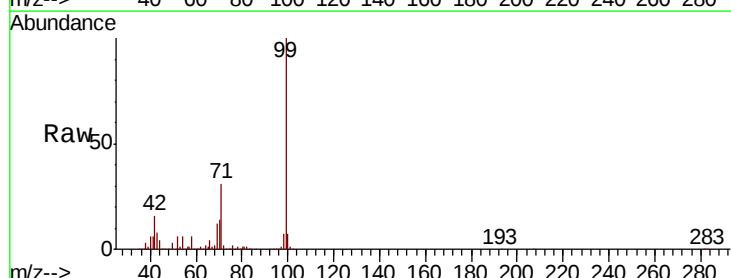
Tgt Ion: 94 Resp: 107

Ion Ratio Lower Upper

94 100

65 5166.3 6.7 46.7#

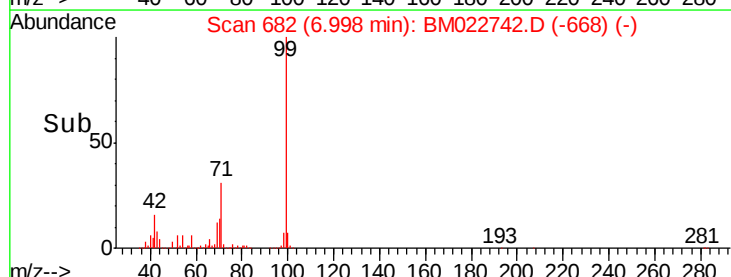
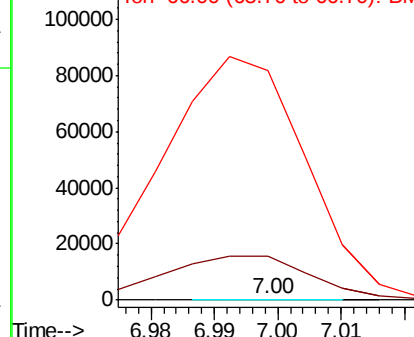
66 26914.9 13.8 53.8#

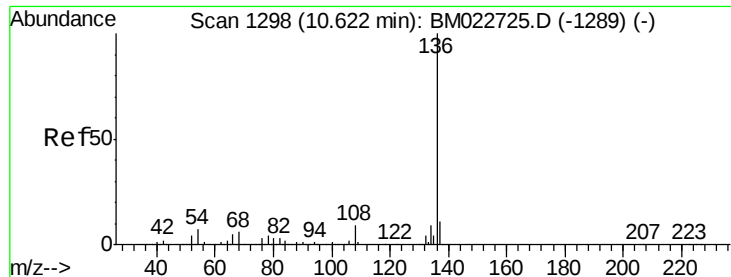


Abundance Ion 94.00 (93.70 to 94.70): BM022742.D (-668) (-)

Ion 65.00 (64.70 to 65.70): BM022742.D (-668) (-)

Ion 66.00 (65.70 to 66.70): BM022742.D (-668) (-)

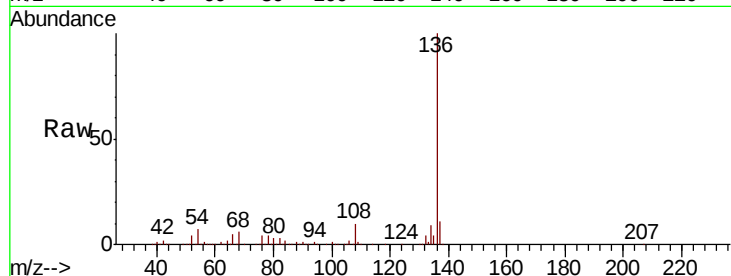




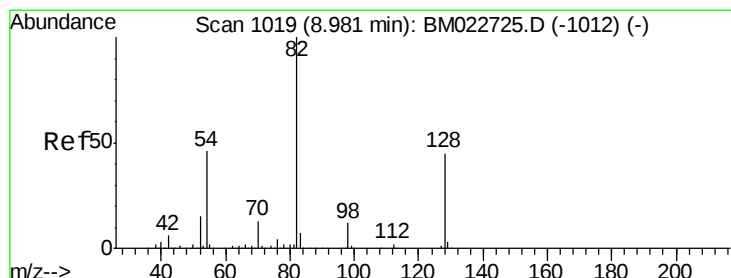
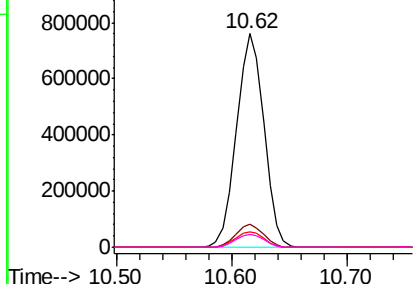
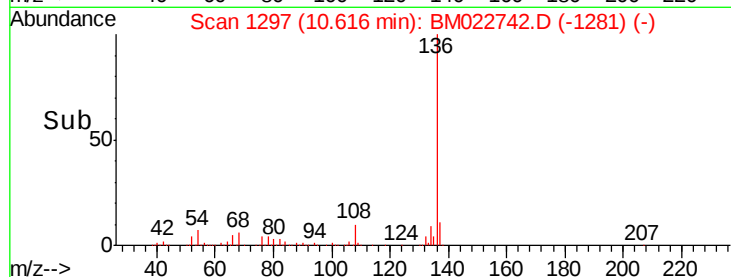
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.62 min Scan# 1297  
Delta R.T. -0.01 min  
Lab File: BM022742.D  
Acq: 23 Sep 2019 15:56

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion: | 136   | Resp: | 1250089 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 136      | 100   |       |         |
| 137      | 11.0  | 8.6   | 13.0    |
| 54       | 7.4   | 6.0   | 9.0     |
| 68       | 6.0   | 4.9   | 7.3     |

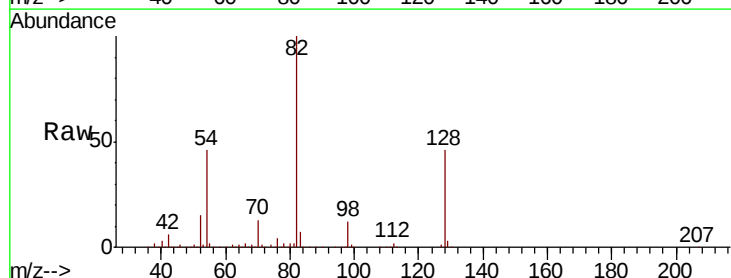


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

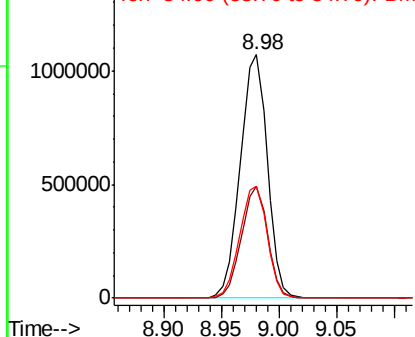
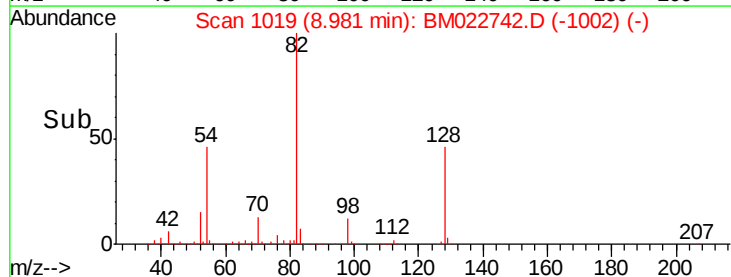


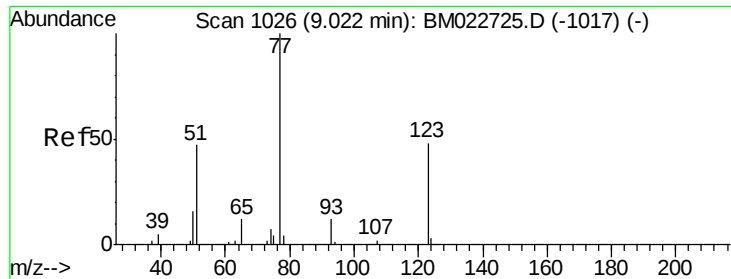
#23  
Nitrobenzene-d5  
Concen: 77.544 ng  
RT: 8.98 min Scan# 1019  
Delta R.T. -0.00 min  
Lab File: BM022742.D  
Acq: 23 Sep 2019 15:56

| Tgt Ion: | 82    | Resp: | 1746286 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 45.9  | 36.0  | 54.0    |
| 54       | 46.1  | 37.1  | 55.7    |



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

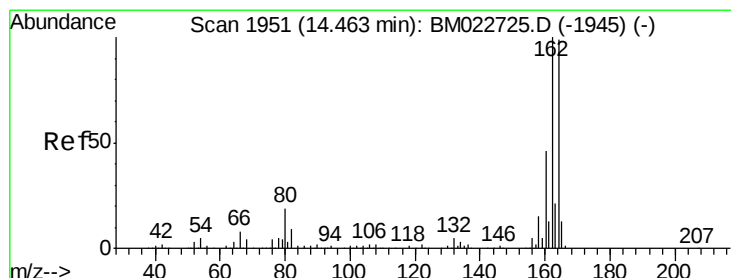
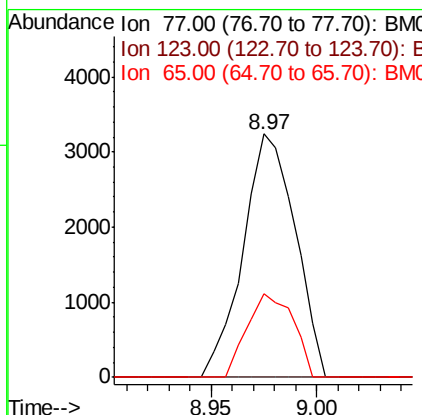
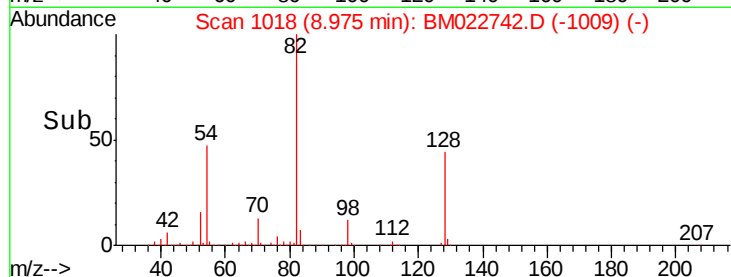
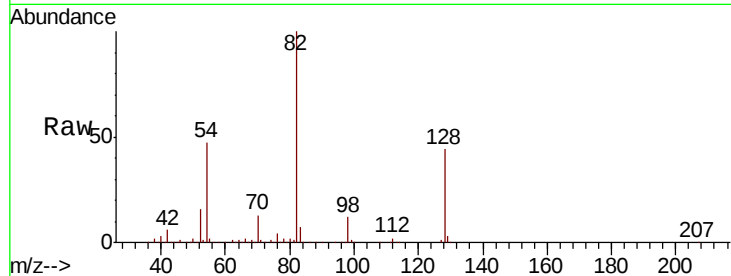




#24  
 Nitrobenzene  
 Concen: 0.259 ng  
 RT: 8.97 min Scan# 1018  
 Delta R.T. -0.05 min  
 Lab File: BM022742.D  
 Acq: 23 Sep 2019 15:56

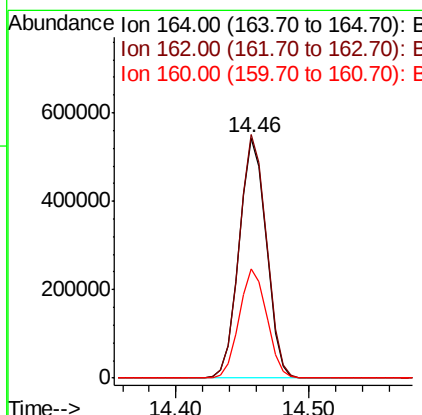
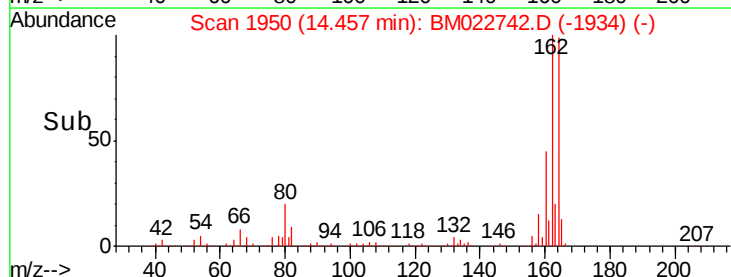
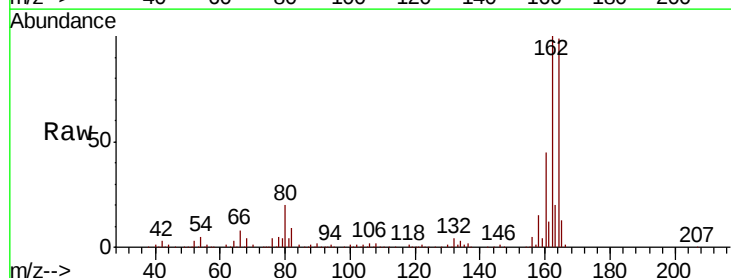
Instrument :  
 BNA\_M  
 ClientSampled :

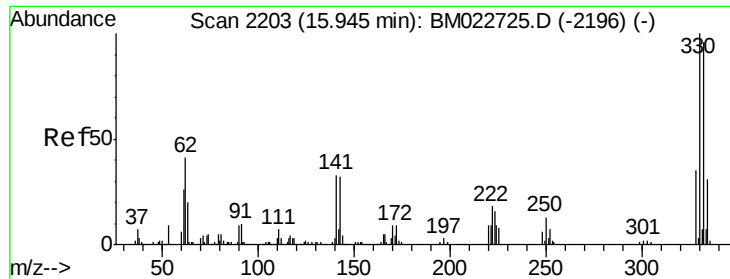
Tot Ion: 77 Resp: 5578  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 38.0 57.0#  
 65 34.6 10.0 15.0#



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.46 min Scan# 1950  
 Delta R.T. -0.01 min  
 Lab File: BM022742.D  
 Acq: 23 Sep 2019 15:56

Tgt Ion: 164 Resp: 762924  
 Ion Ratio Lower Upper  
 164 100  
 162 101.3 81.1 121.7  
 160 45.3 36.9 55.3



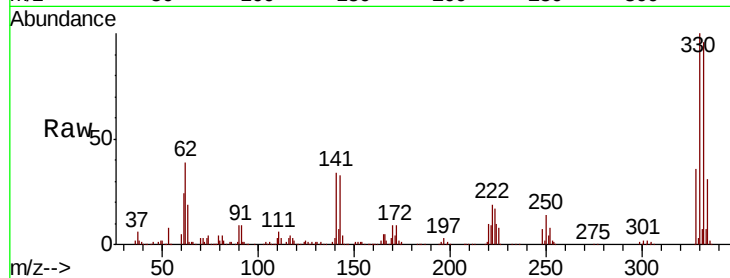


#42  
 2,4,6-Tribromophenol  
 Concen: 123.118 ng  
 RT: 15.94 min Scan# 2203  
 Delta R.T. -0.00 min  
 Lab File: BM022742.D  
 Acq: 23 Sep 2019 15:56

Instrument :  
 BNA\_M  
 ClientSampleId :

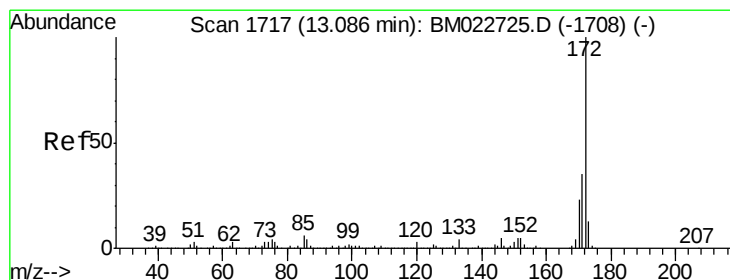
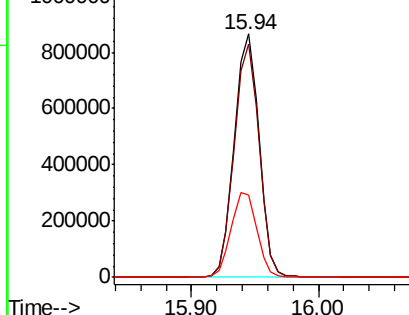
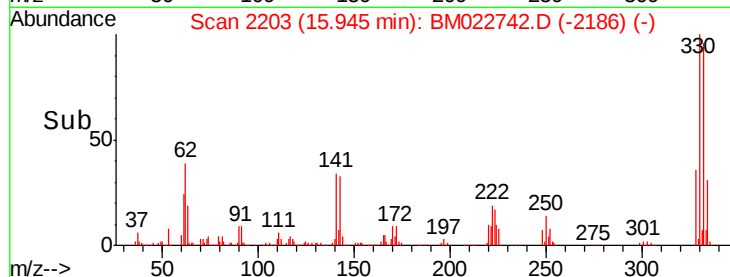
Tot Ion:330 Resp: 1172558  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 96.1  | 76.9  | 115.3 |
| 141 | 36.2  | 28.6  | 42.8  |



Abundance

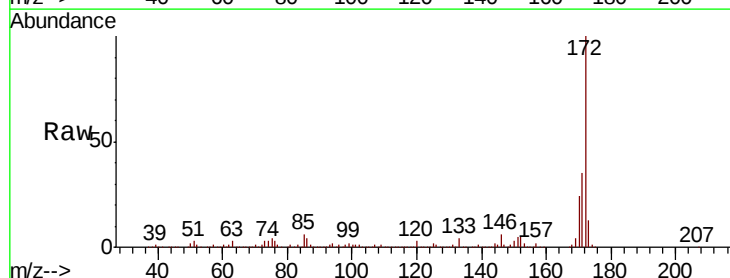
Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 77.469 ng  
 RT: 13.09 min Scan# 1717  
 Delta R.T. -0.00 min  
 Lab File: BM022742.D  
 Acq: 23 Sep 2019 15:56

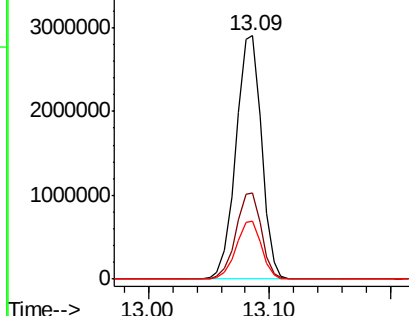
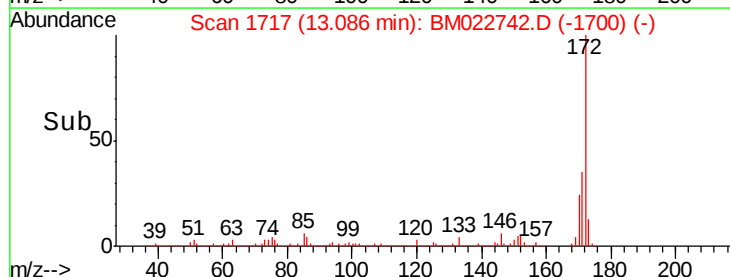
Tgt Ion:172 Resp: 4292017  

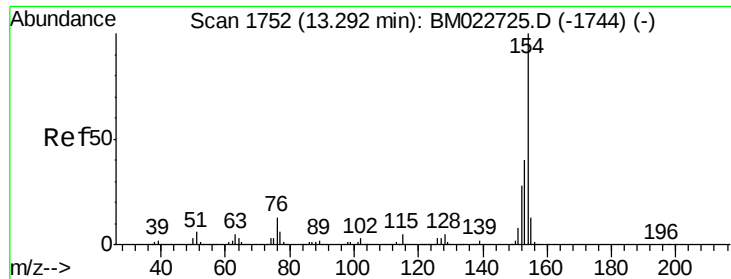
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.4  | 27.8  | 41.8  |
| 170 | 23.7  | 18.7  | 28.1  |



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

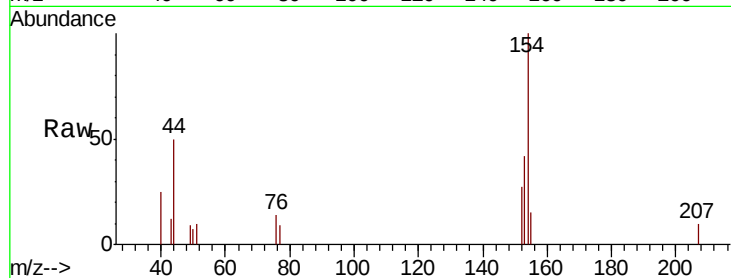




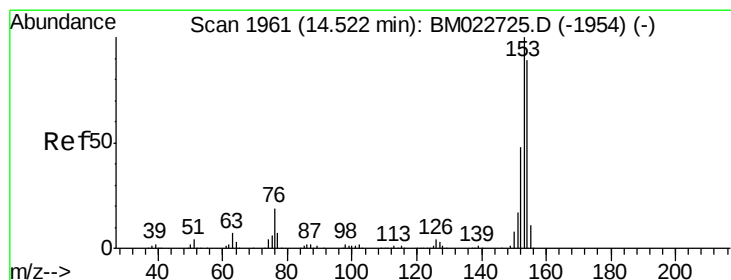
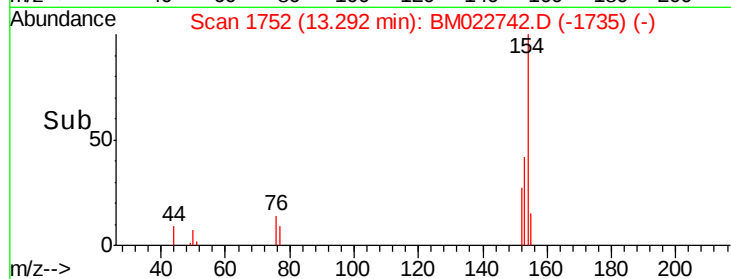
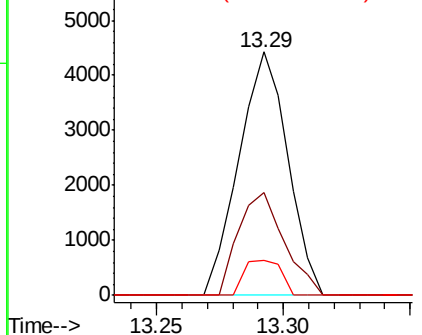
#46  
 1,1'-Biphenyl  
 Concen: 0.094 ng  
 RT: 13.29 min Scan# 1752  
 Delta R.T. -0.00 min  
 Lab File: BM022742.D  
 Acq: 23 Sep 2019 15:56

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.2  | 20.1  | 60.1  |
| 76      | 14.5  | 0.0   | 32.6  |

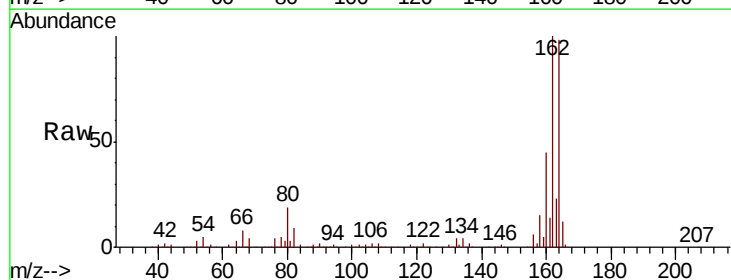


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BM

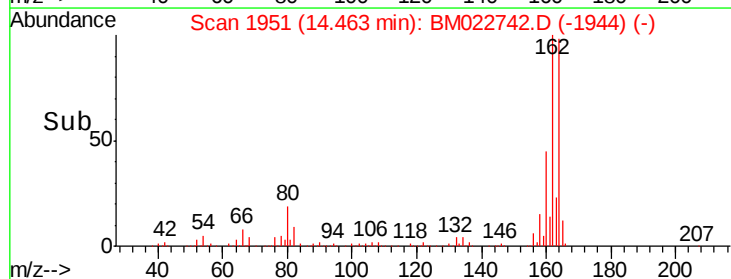
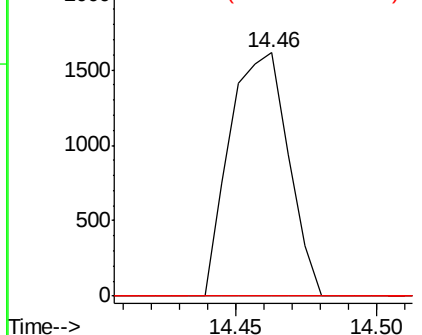


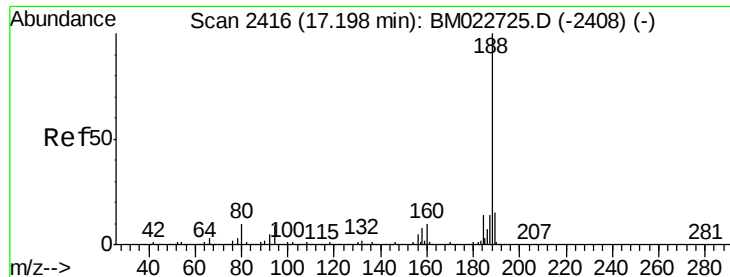
#52  
 Acenaphthene  
 Concen: 0.051 ng  
 RT: 14.46 min Scan# 1951  
 Delta R.T. -0.06 min  
 Lab File: BM022742.D  
 Acq: 23 Sep 2019 15:56

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 154     | 100   |       |        |
| 153     | 0.0   | 90.0  | 135.0# |
| 152     | 0.0   | 42.9  | 64.3#  |



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

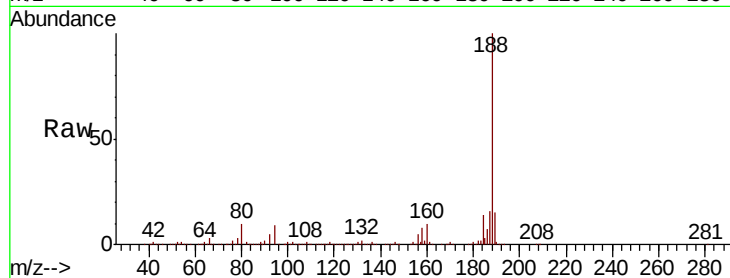




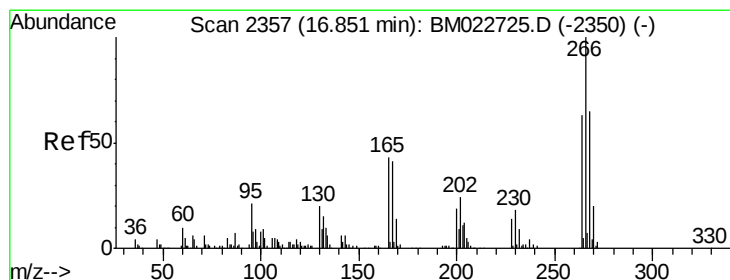
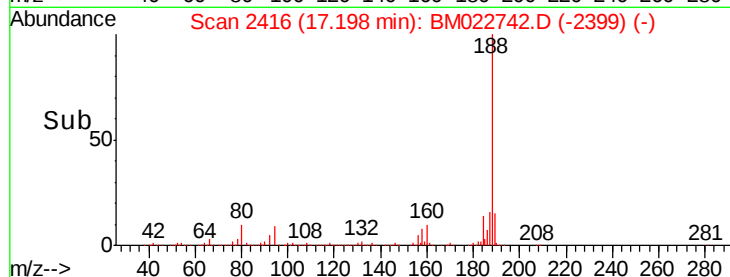
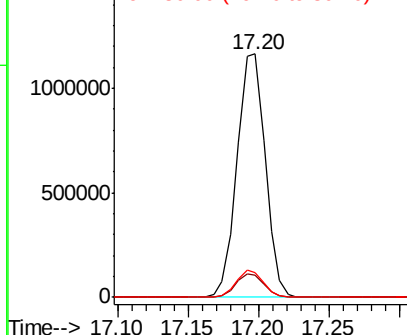
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.20 min Scan# 2416  
Delta R.T. -0.00 min  
Lab File: BM022742.D  
Acq: 23 Sep 2019 15:56

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:188 Resp: 1635538  
Ion Ratio Lower Upper  
188 100  
94 9.3 7.3 10.9  
80 10.0 7.8 11.8

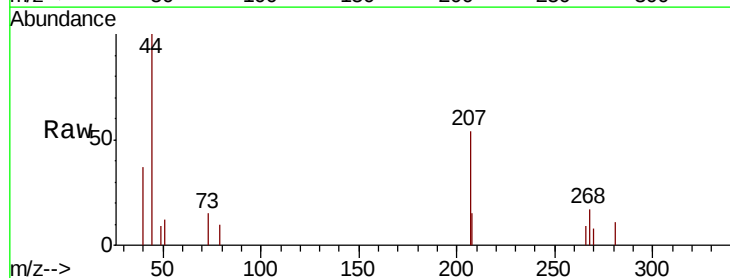


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM  
Ion 80.00 (79.70 to 80.70): BM

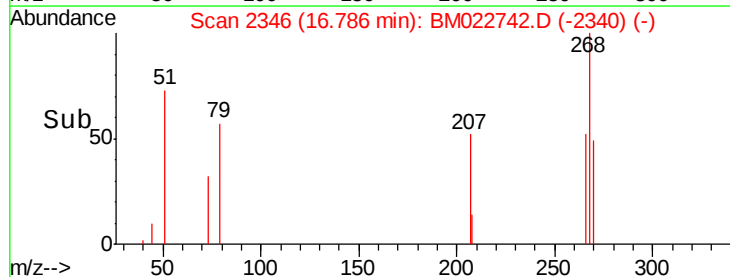
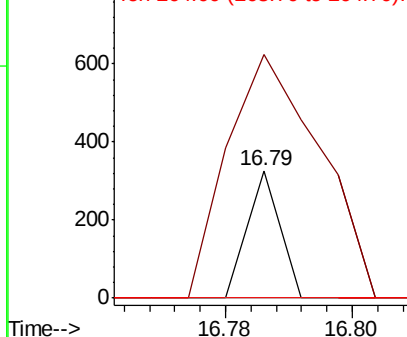


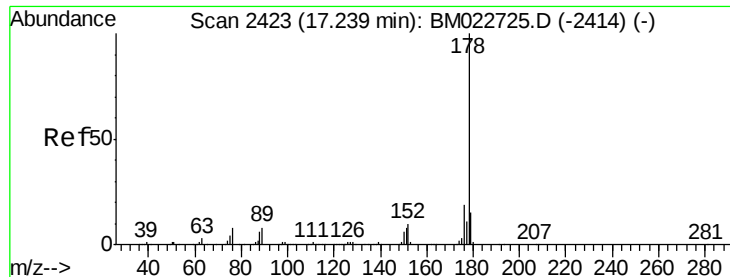
#70  
Pentachlorophenol  
Concen: 0.010 ng  
RT: 16.79 min Scan# 2346  
Delta R.T. -0.06 min  
Lab File: BM022742.D  
Acq: 23 Sep 2019 15:56

Tgt Ion:266 Resp: 115  
Ion Ratio Lower Upper  
266 100  
268 191.4 51.8 77.6#  
264 0.0 50.2 75.4#



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E

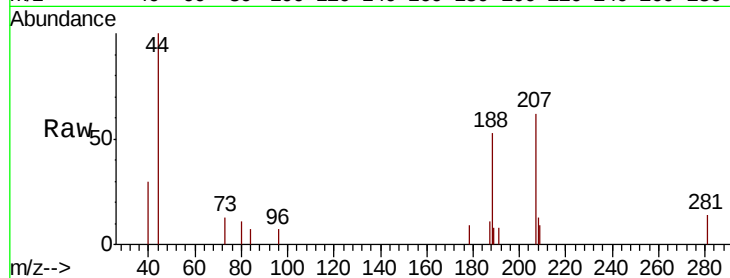




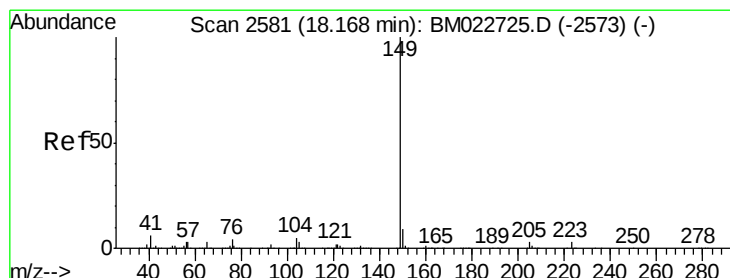
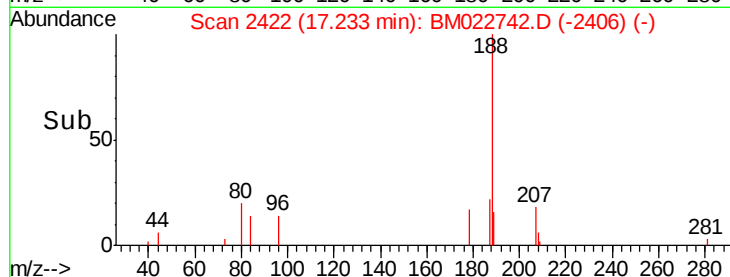
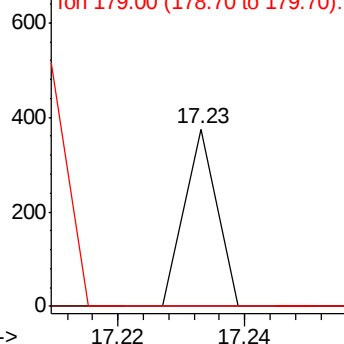
#71  
Phenanthrene  
Concen: 0.001 ng  
RT: 17.23 min Scan# 2422  
Delta R.T. -0.01 min  
Lab File: BM022742.D  
Acq: 23 Sep 2019 15:56

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:178 Resp: 133  
Ion Ratio Lower Upper  
178 100  
176 0.0 15.4 23.2#  
179 0.0 12.3 18.5#

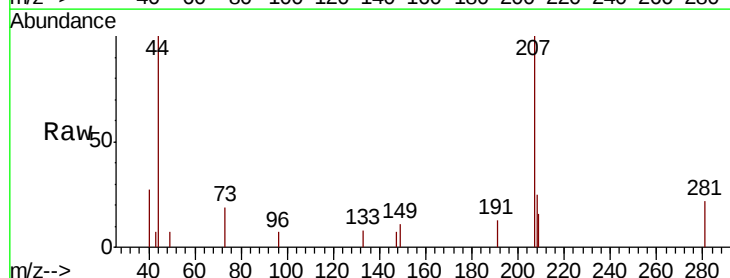


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

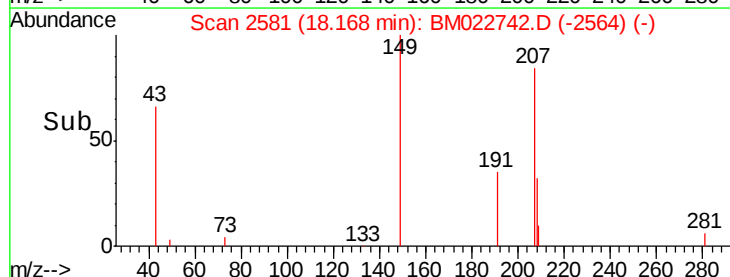
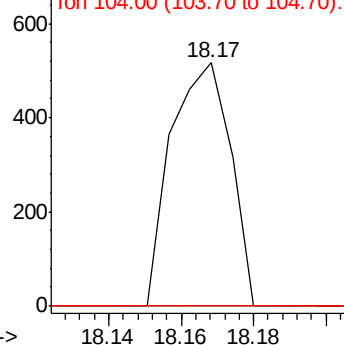


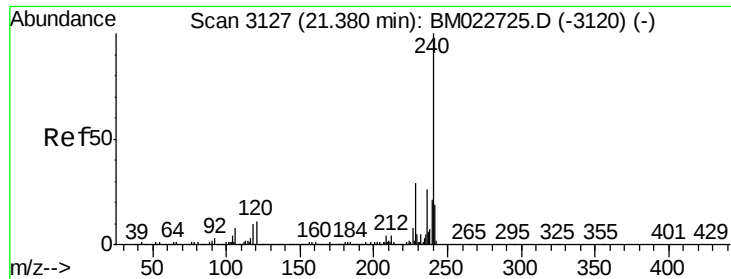
#74  
Di-n-butylphthalate  
Concen: 0.006 ng  
RT: 18.17 min Scan# 2581  
Delta R.T. -0.00 min  
Lab File: BM022742.D  
Acq: 23 Sep 2019 15:56

Tgt Ion:149 Resp: 586  
Ion Ratio Lower Upper  
149 100  
150 0.0 7.3 10.9#  
104 0.0 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E

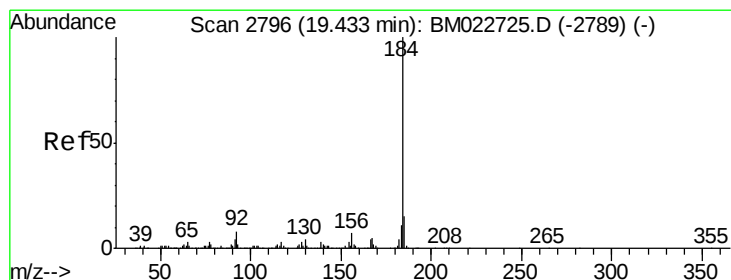
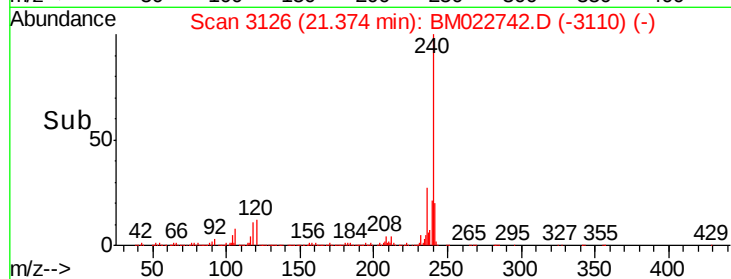
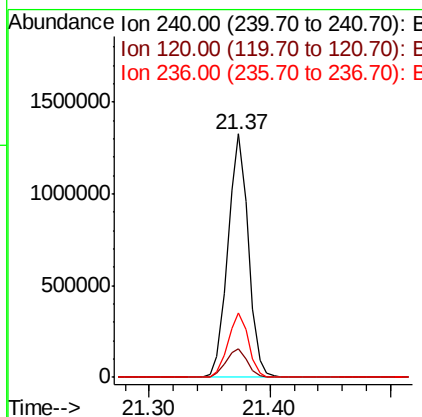
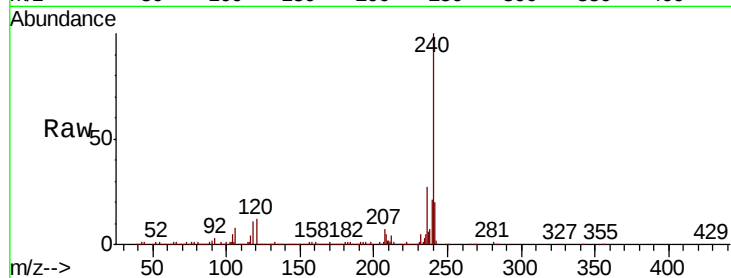




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.37 min Scan# 3126  
 Delta R.T. -0.01 min  
 Lab File: BM022742.D  
 Acq: 23 Sep 2019 15:56

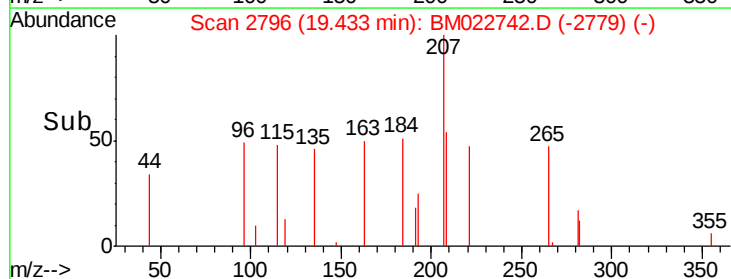
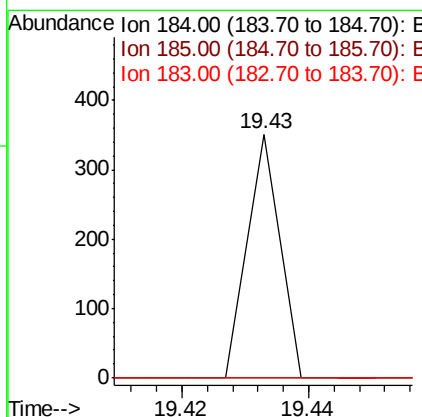
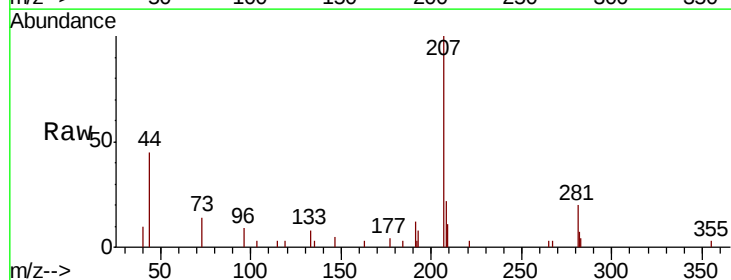
Instrument :  
 BNA\_M  
 ClientSampleId :

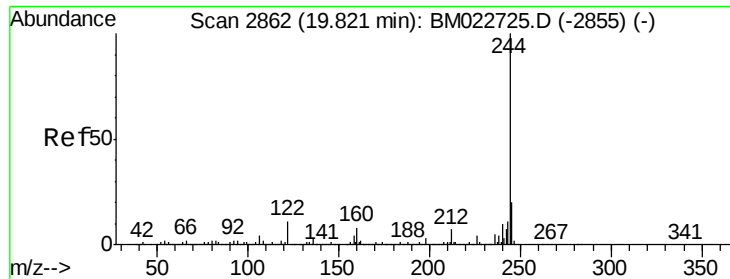
Tot Ion:240 Resp: 1557919  
 Ion Ratio Lower Upper  
 240 100  
 120 11.7 8.8 13.2  
 236 26.6 20.8 31.2



#77  
 Benzidine  
 Concen: 0.003 ng  
 RT: 19.43 min Scan# 2796  
 Delta R.T. -0.00 min  
 Lab File: BM022742.D  
 Acq: 23 Sep 2019 15:56

Tgt Ion:184 Resp: 124  
 Ion Ratio Lower Upper  
 184 100  
 185 0.0 11.6 17.4#  
 183 0.0 9.1 13.7#





#79

Terphenyl-d14

Concen: 86.417 ng

RT: 19.82 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BM022742.D

Acq: 23 Sep 2019 15:56

Instrument :

BNA\_M

ClientSampleId :

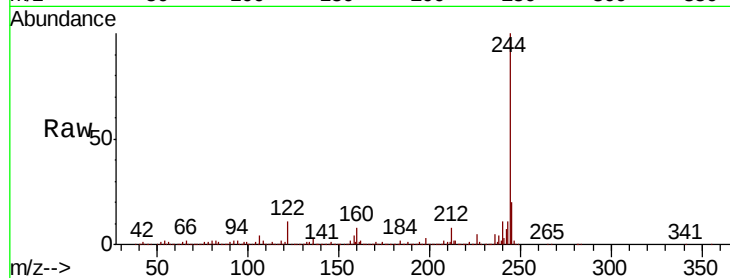
Tot Ion:244 Resp: 6952707

Ion Ratio Lower Upper

244 100

212 8.2 5.9 8.9

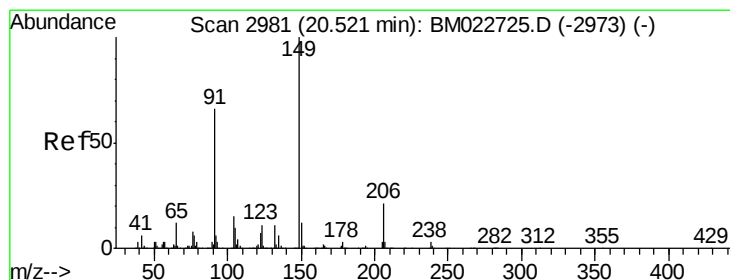
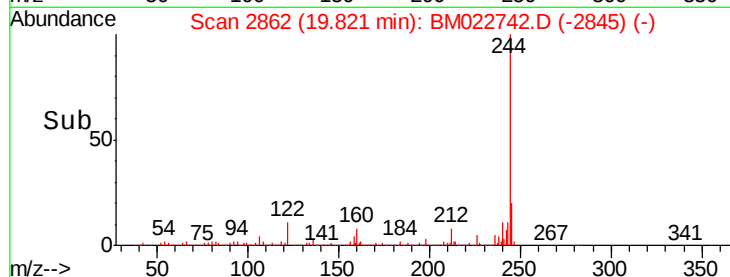
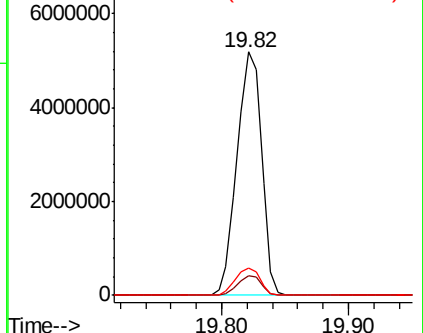
122 11.4 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.011 ng

RT: 20.49 min Scan# 2975

Delta R.T. -0.04 min

Lab File: BM022742.D

Acq: 23 Sep 2019 15:56

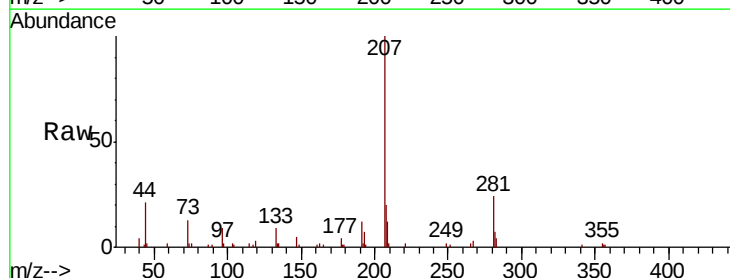
Tgt Ion:149 Resp: 408

Ion Ratio Lower Upper

149 100

91 0.0 53.0 79.4#

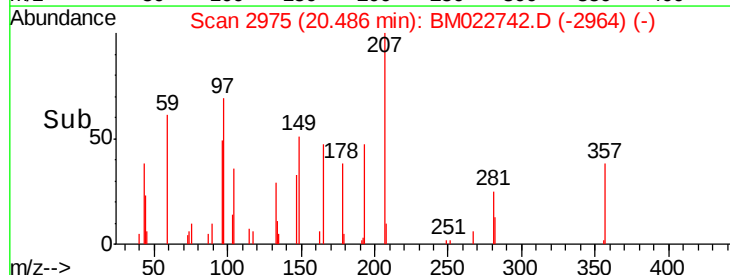
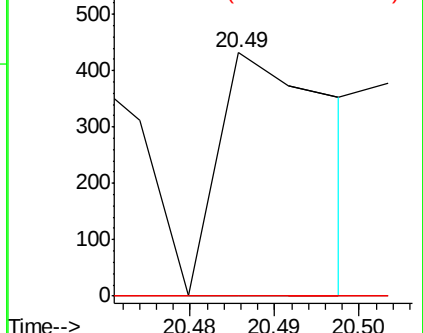
206 0.0 16.9 25.3#

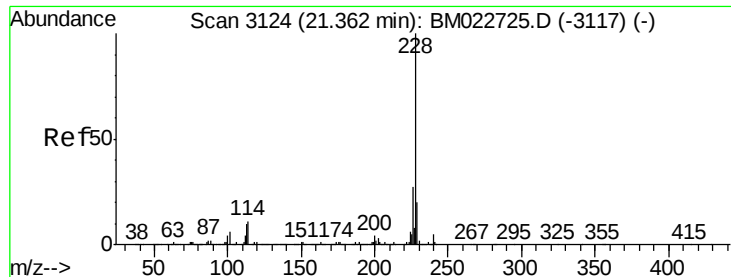


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

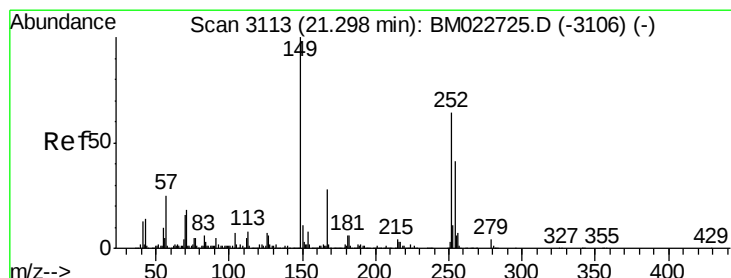
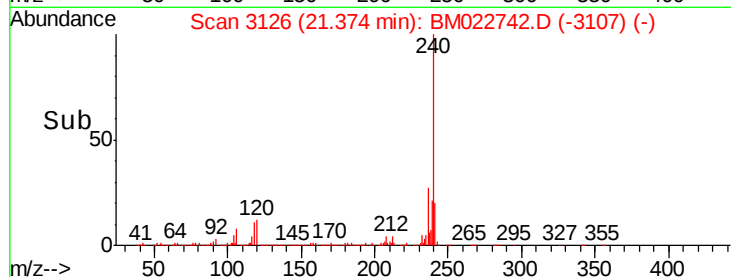
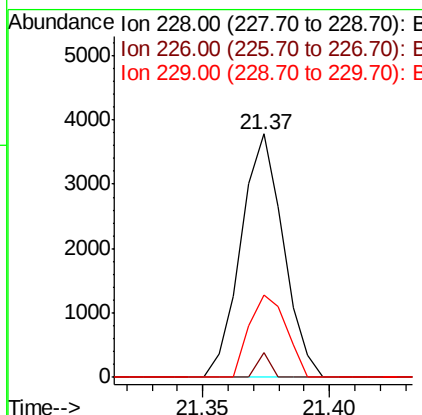
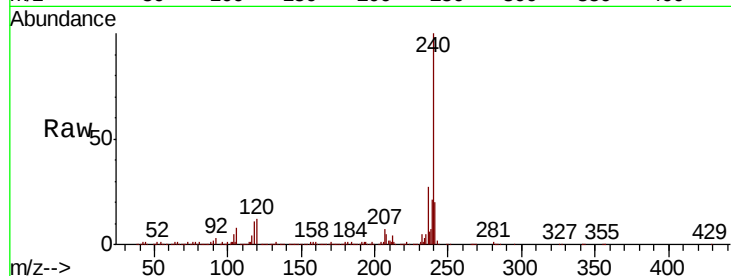




#81  
Benzo(a)anthracene  
Concen: 0.044 ng  
RT: 21.37 min Scan# 3126  
Delta R.T. 0.01 min  
Lab File: BM022742.D  
Acq: 23 Sep 2019 15:56

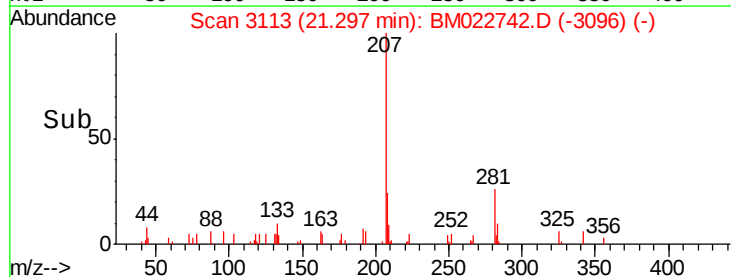
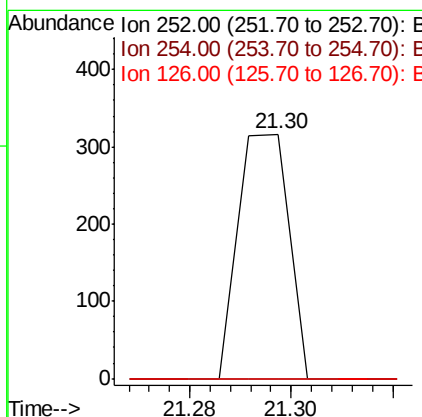
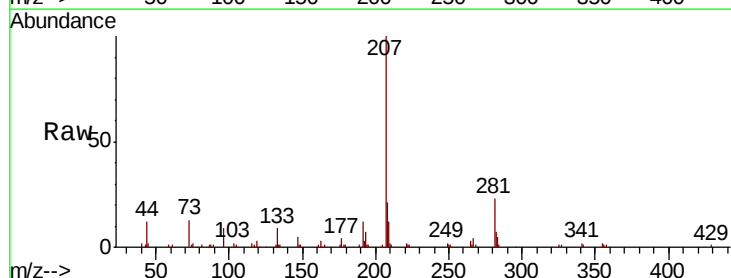
Instrument :  
BNA\_M  
ClientSampleId :

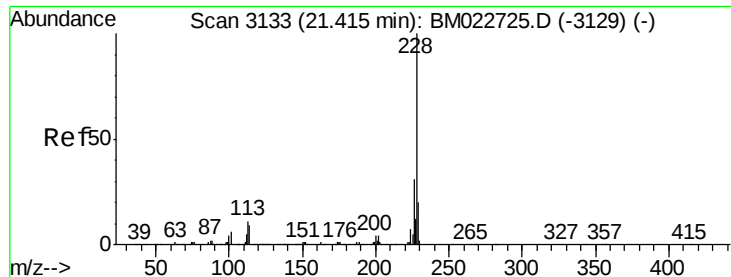
Tot Ion:228 Resp: 4413  
Ion Ratio Lower Upper  
228 100  
226 10.0 22.0 33.0#  
229 33.8 15.9 23.9#



#82  
3,3'-Dichlorobenzidine  
Concen: 0.006 ng  
RT: 21.30 min Scan# 3113  
Delta R.T. -0.00 min  
Lab File: BM022742.D  
Acq: 23 Sep 2019 15:56

Tgt Ion:252 Resp: 222  
Ion Ratio Lower Upper  
252 100  
254 0.0 51.7 77.5#  
126 0.0 8.3 12.5#

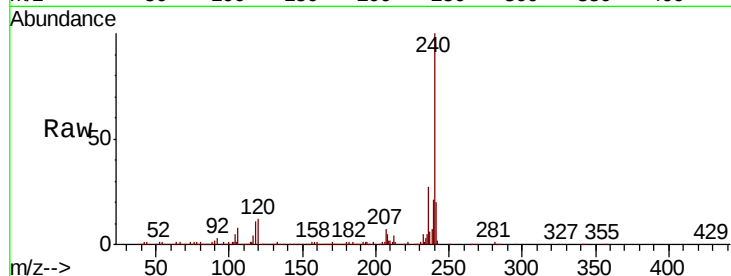




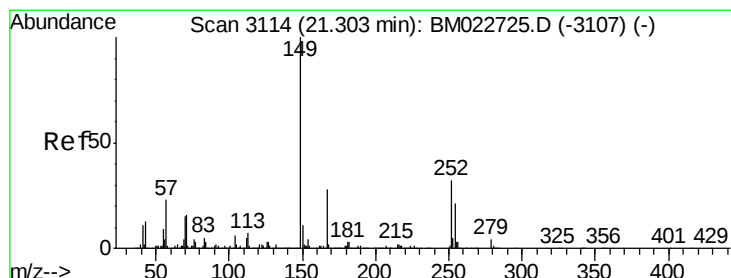
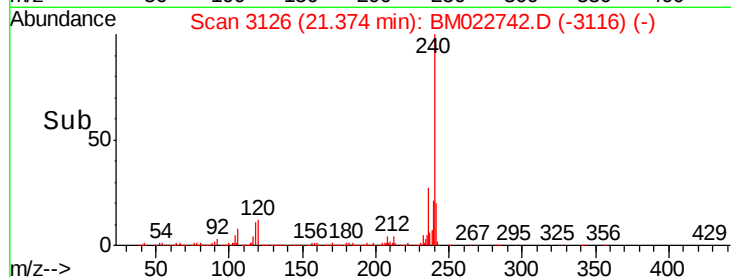
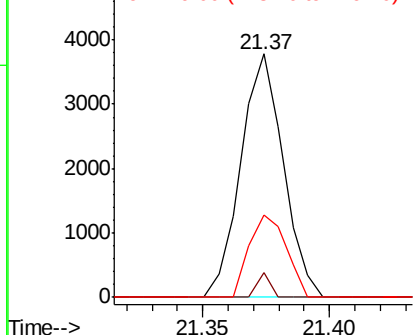
#83  
 Chrysene  
 Concen: 0.045 ng  
 RT: 21.37 min Scan# 3126  
 Delta R.T. -0.04 min  
 Lab File: BM022742.D  
 Acq: 23 Sep 2019 15:56

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:228 Resp: 4413  
 Ion Ratio Lower Upper  
 228 100  
 226 10.0 24.5 36.7#  
 229 33.8 15.9 23.9#

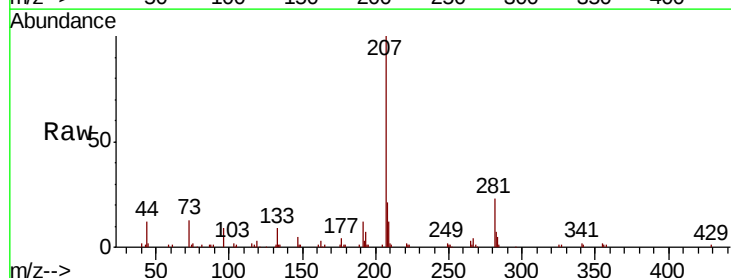


Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E

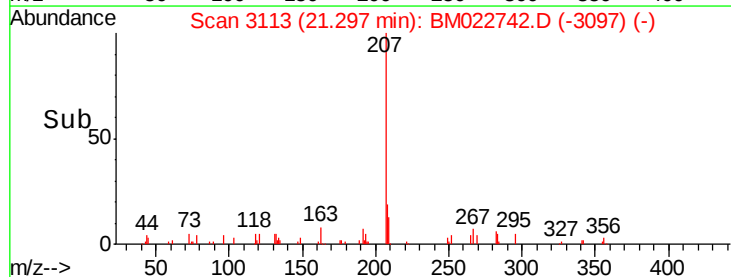
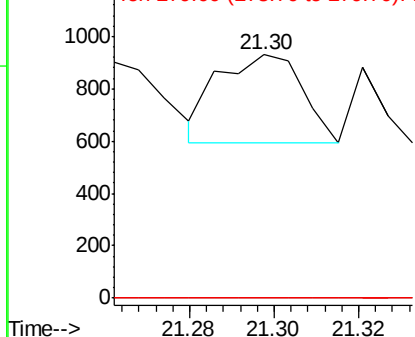


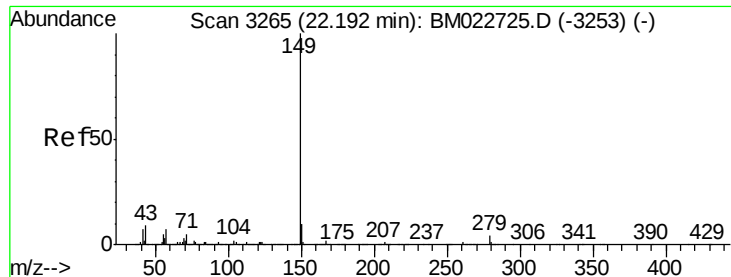
#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.008 ng  
 RT: 21.30 min Scan# 3113  
 Delta R.T. -0.01 min  
 Lab File: BM022742.D  
 Acq: 23 Sep 2019 15:56

Tgt Ion:149 Resp: 471  
 Ion Ratio Lower Upper  
 149 100  
 167 0.0 22.1 33.1#  
 279 0.0 3.4 5.0#



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.002 ng

RT: 22.16 min Scan# 3260

Delta R.T. -0.03 min

Lab File: BM022742.D

Acq: 23 Sep 2019 15:56

Instrument :

BNA\_M

ClientSampleId :

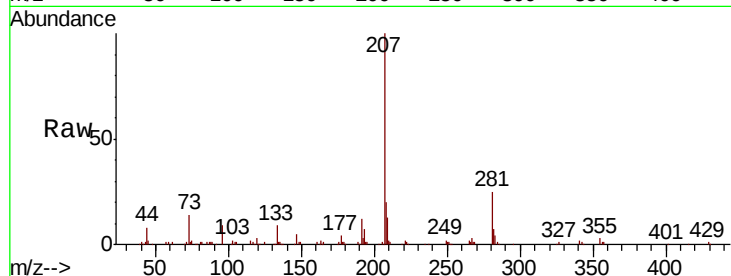
Tot Ion:149 Resp: 158

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

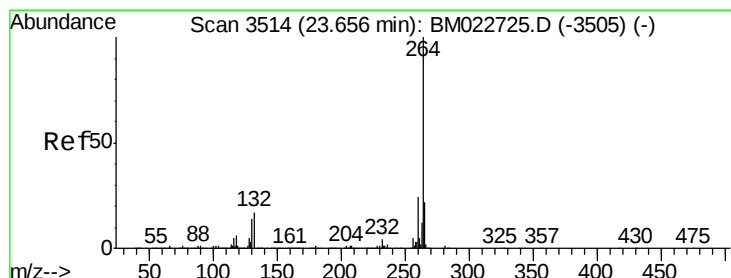
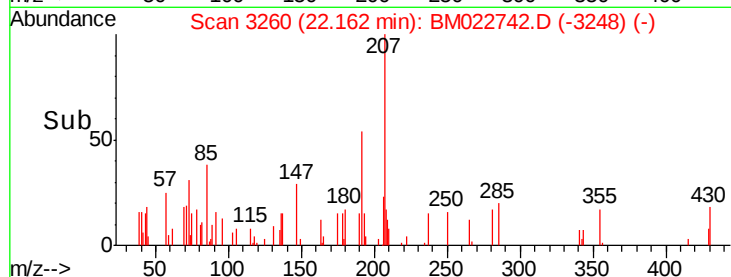
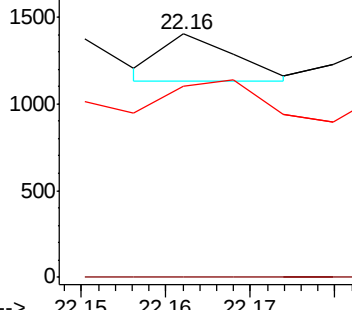
43 696.2 7.4 11.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.65 min Scan# 3513

Delta R.T. -0.01 min

Lab File: BM022742.D

Acq: 23 Sep 2019 15:56

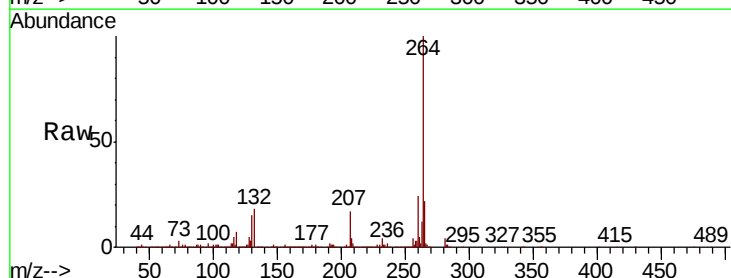
Tgt Ion:264 Resp: 1536346

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

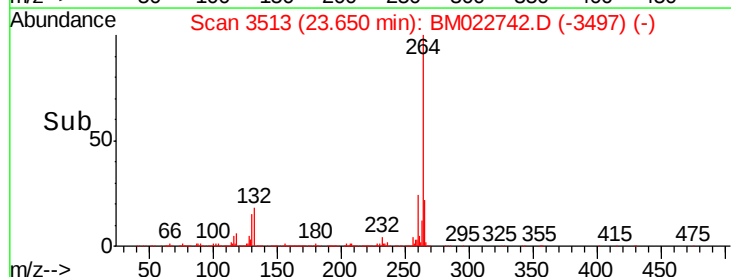
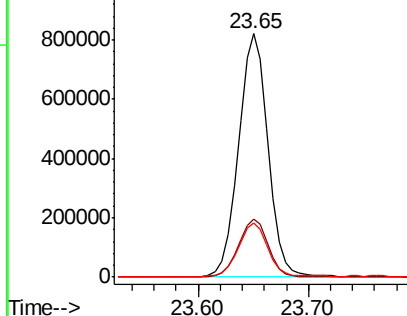
265 22.3 17.9 26.9

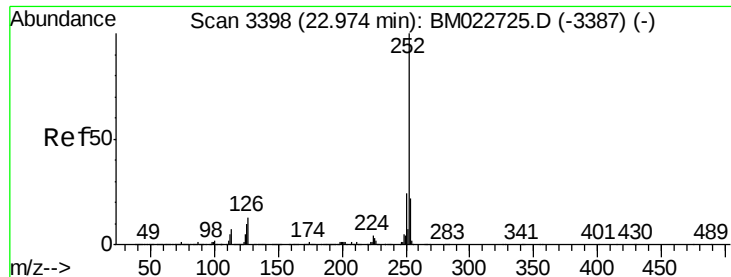


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 0.002 ng

RT: 22.96 min Scan# 3395

Delta R.T. -0.02 min

Lab File: BM022742.D

Acq: 23 Sep 2019 15:56

Instrument :

BNA\_M

ClientSampleId :

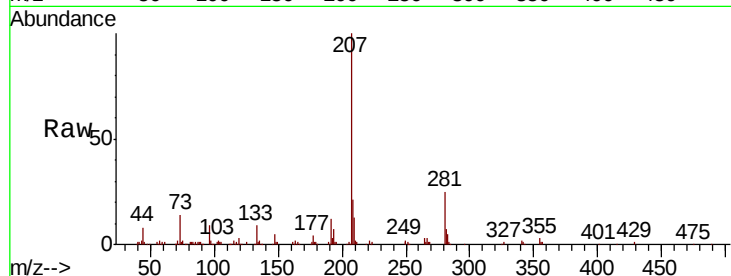
Tot Ion:252 Resp: 218

Ion Ratio Lower Upper

252 100

253 84.3 17.7 26.5#

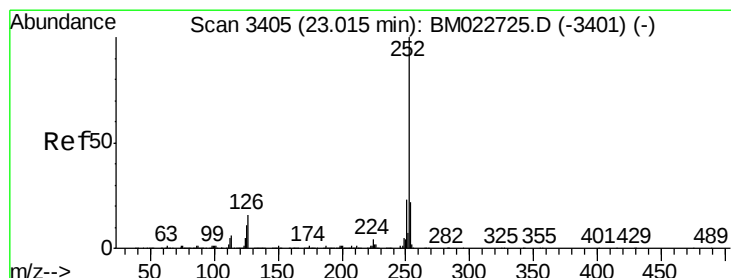
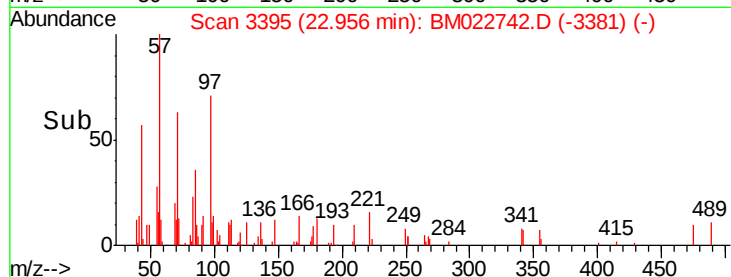
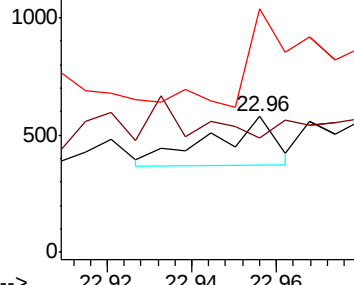
125 179.1 8.2 12.4#



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



#89

Benzo(k)fluoranthene

Concen: 0.002 ng

RT: 23.02 min Scan# 3406

Delta R.T. 0.01 min

Lab File: BM022742.D

Acq: 23 Sep 2019 15:56

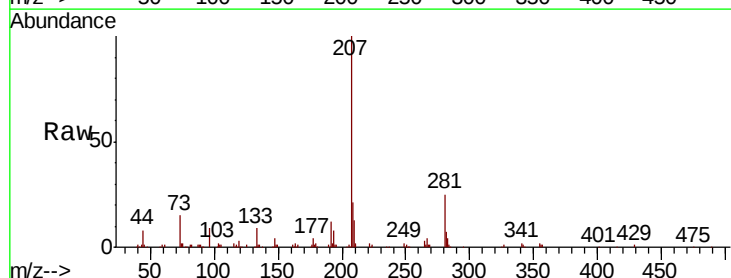
Tgt Ion:252 Resp: 141

Ion Ratio Lower Upper

252 100

253 111.7 17.7 26.5#

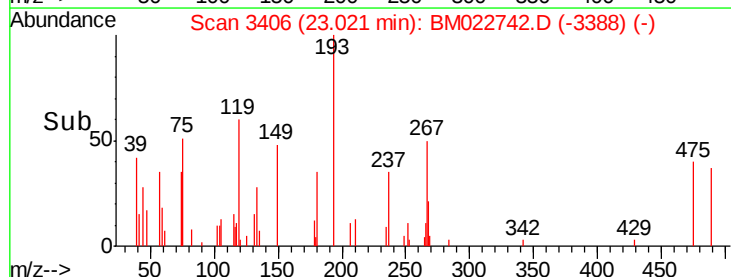
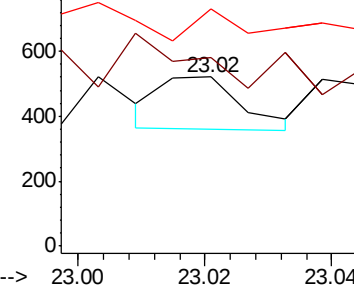
125 140.5 8.5 12.7#

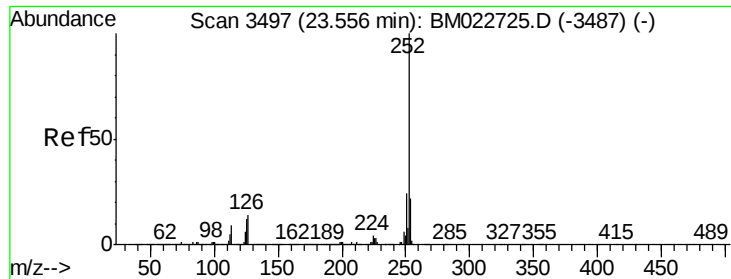


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.004 ng

RT: 23.54 min Scan# 3495

Delta R.T. -0.01 min

Lab File: BM022742.D

Acq: 23 Sep 2019 15:56

Instrument :

BNA\_M

ClientSampleId :

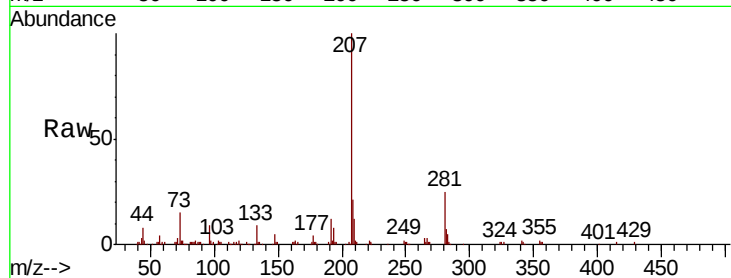
Tot Ion: 252 Resp: 322

Ion Ratio Lower Upper

252 100

253 115.7 17.3 25.9#

125 206.9 9.3 13.9#



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

