

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\  
 Data File : BP000374.D  
 Acq On : 23 Sep 2019 20:41  
 Operator : HP/JU  
 Sample : K4997-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Sep 24 04:22:44 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 19 14:44:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 194650   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.07  | 136  | 710527   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.83  | 164  | 392852   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.33 | 188  | 708037   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.00 | 240  | 577057   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.48 | 264  | 708741   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.42  | 112 | 985861  | 87.44  | ng | 0.02 |
| 7) Phenol-d6             | 6.43  | 99  | 1261543 | 91.28  | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.35  | 82  | 724138  | 65.76  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.63 | 330 | 424715  | 109.00 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.15  | 172 | 1630091 | 74.68  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.93 | 244 | 1872643 | 68.08  | ng | 0.00 |

## Target Compounds

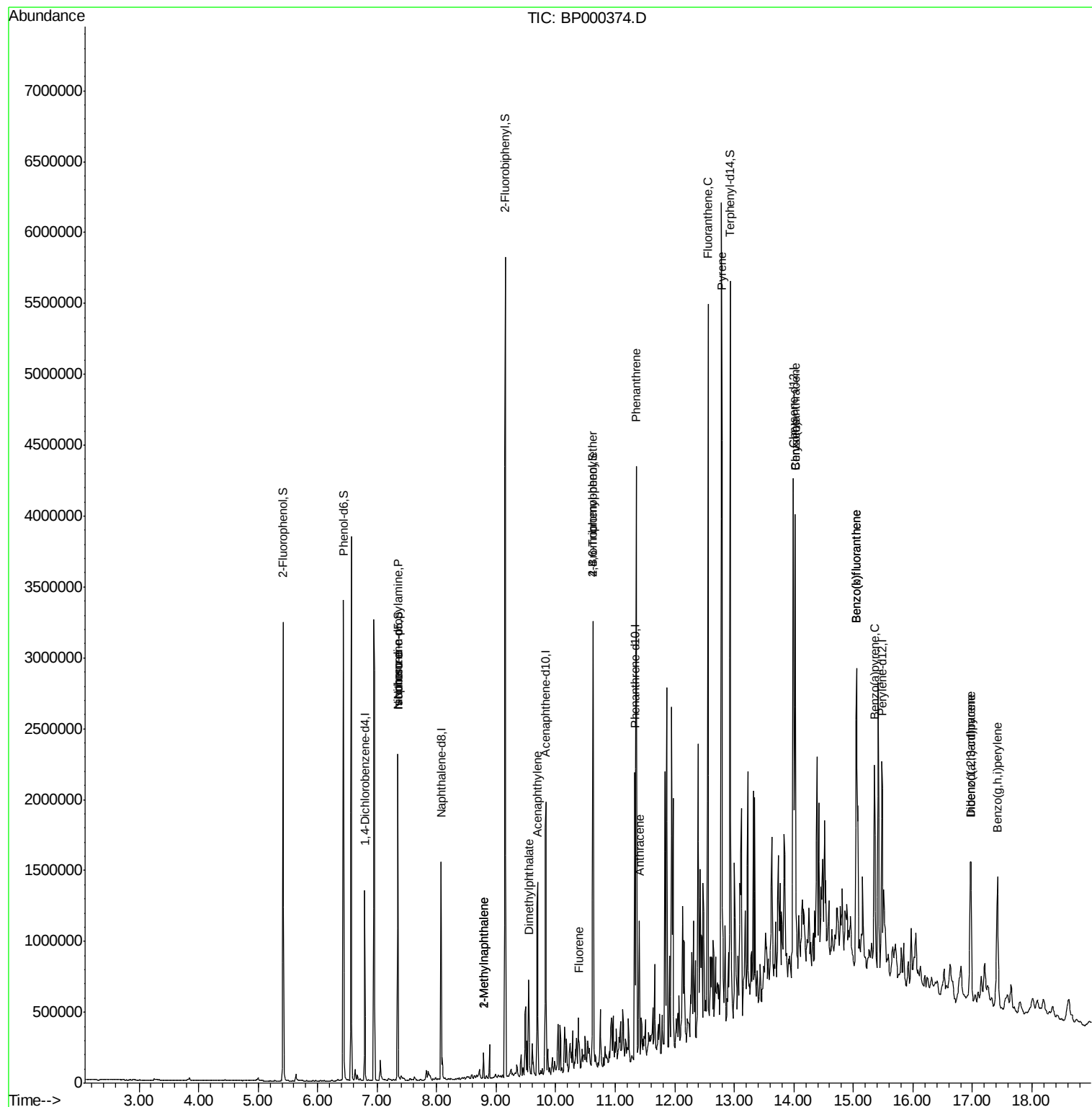
|                                |       |     |         |           |   | Qvalue |
|--------------------------------|-------|-----|---------|-----------|---|--------|
| 9) Benzaldehyde                | 6.34  | 77  | 2005    | Below Cal | # | 78     |
| 19) n-Nitroso-di-n-propylamine | 7.35  | 70  | 90006   | 12.317 ng | # | 76     |
| 25) Isophorone                 | 7.35  | 82  | 722656  | 33.140 ng | # | 63     |
| 37) 2-Methylnaphthalene        | 8.79  | 142 | 45010   | 2.001 ng  |   | 99     |
| 38) 1-Methylnaphthalene        | 8.79  | 142 | 44970   | 2.134 ng  |   | 95     |
| 49) Acenaphthylene             | 9.69  | 152 | 539501  | 15.743 ng |   | 99     |
| 50) Dimethylphthalate          | 9.55  | 163 | 233897  | 8.739 ng  |   | 98     |
| 58) Fluorene                   | 10.38 | 166 | 103807  | 4.396 ng  |   | 97     |
| 67) 4-Bromophenyl-phenylether  | 10.63 | 248 | 28306   | 3.535 ng  | # | 1      |
| 69) Atrazine                   | 11.03 | 200 | 413     | Below Cal | # | 1      |
| 71) Phenanthrene               | 11.35 | 178 | 1497898 | 42.216 ng |   | 100    |
| 72) Anthracene                 | 11.40 | 178 | 387357  | 10.606 ng |   | 98     |
| 75) Fluoranthene               | 12.56 | 202 | 1921128 | 50.424 ng |   | 95     |
| 78) Pyrene                     | 12.79 | 202 | 2443125 | 56.589 ng |   | 99     |
| 81) Benzo(a)anthracene         | 14.02 | 228 | 1190962 | 32.673 ng |   | 95     |
| 83) Chrysene                   | 14.02 | 228 | 1190962 | 33.277 ng |   | 97     |
| 86) Indeno(1,2,3-cd)pyrene     | 16.97 | 276 | 685767  | 15.720 ng | # | 91     |
| 88) Benzo(b)fluoranthene       | 15.05 | 252 | 1622841 | 38.382 ng |   | 98     |
| 89) Benzo(k)fluoranthene       | 15.05 | 252 | 1622841 | 44.002 ng |   | 98     |
| 90) Benzo(a)pyrene             | 15.36 | 252 | 729540  | 18.963 ng |   | 97     |
| 91) Dibenzo(a,h)anthracene     | 16.98 | 278 | 180353  | 5.028 ng  | # | 90     |
| 92) Benzo(g,h,i)perylene       | 17.42 | 276 | 748693  | 20.307 ng |   | 95     |

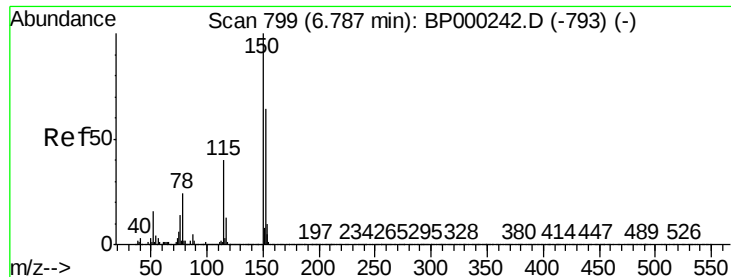
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\  
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Sample : K4997-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :

Quant Time: Sep 24 04:22:44 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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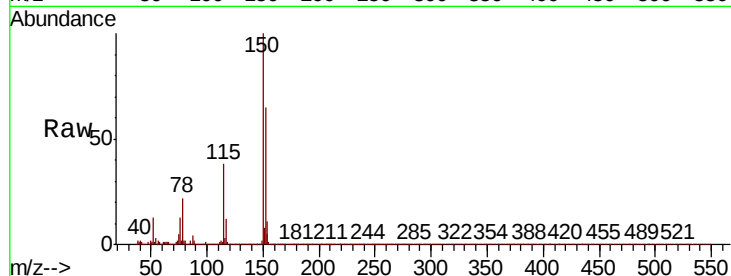


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 800  
Delta R.T. 0.01 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.8 | 125.2 | 187.8 |
| 115     | 58.2  | 49.7  | 74.5  |

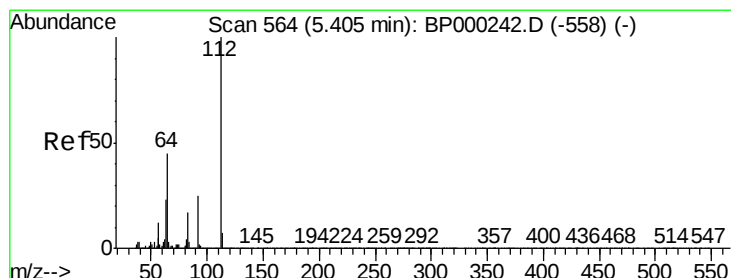
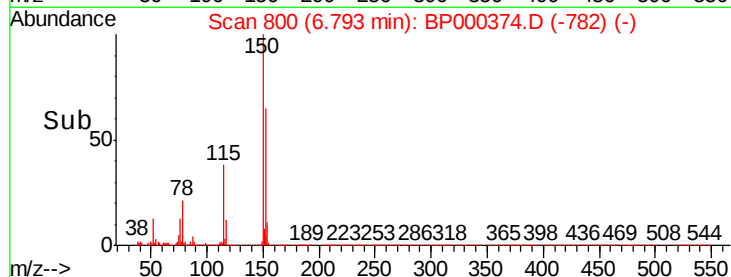
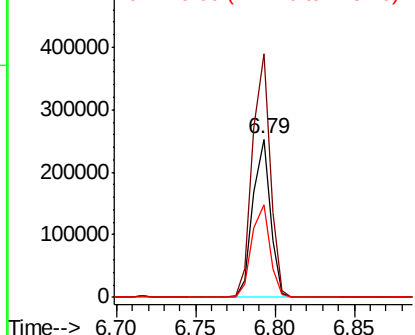


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

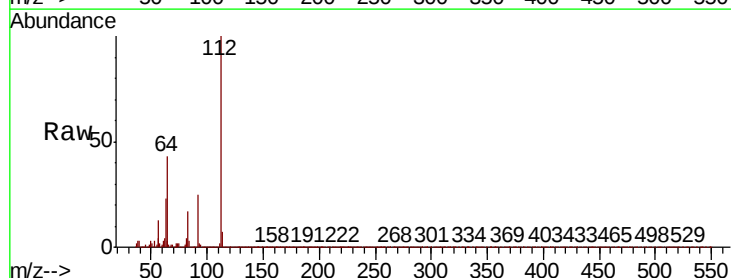
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 87.436 ng  
RT: 5.42 min Scan# 567  
Delta R.T. 0.02 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 42.7  | 36.2  | 54.4  |
| 63      | 22.6  | 18.3  | 27.5  |

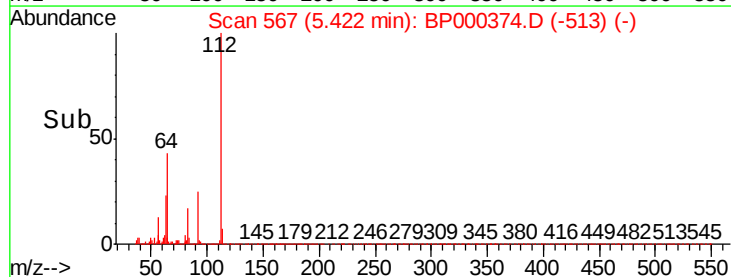
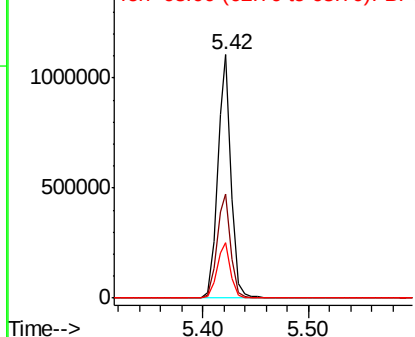


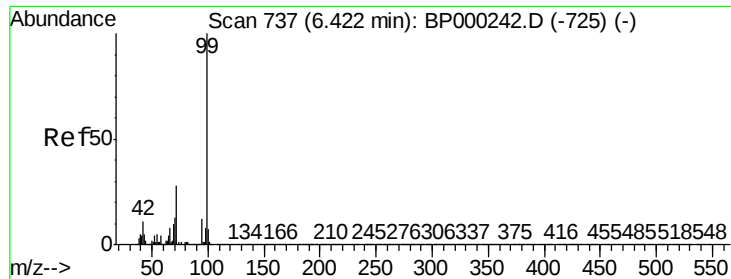
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 91.277 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

Instrument :

BNA\_P

ClientSampled :

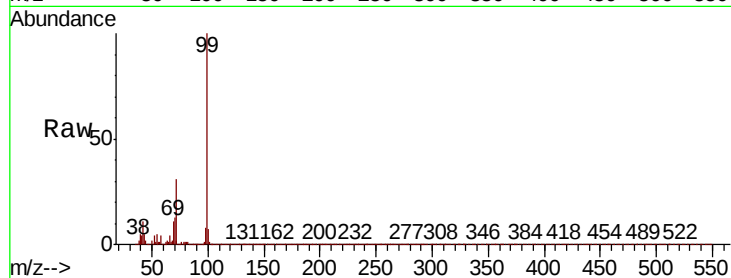
Tot Ion: 99 Resp: 1261543

Ion Ratio Lower Upper

99 100

42 10.7 8.5 12.7

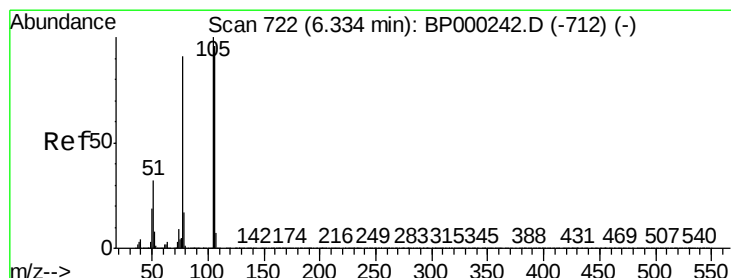
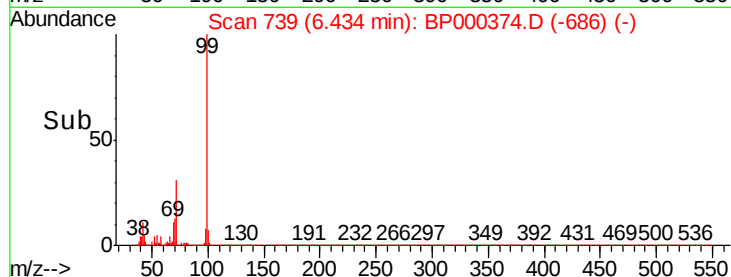
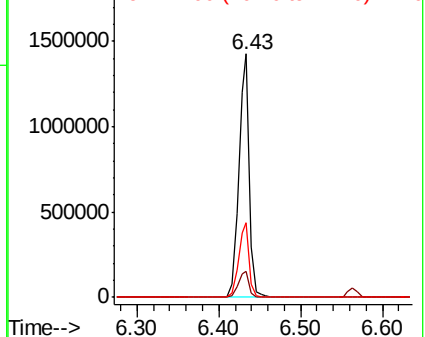
71 30.6 22.6 34.0



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

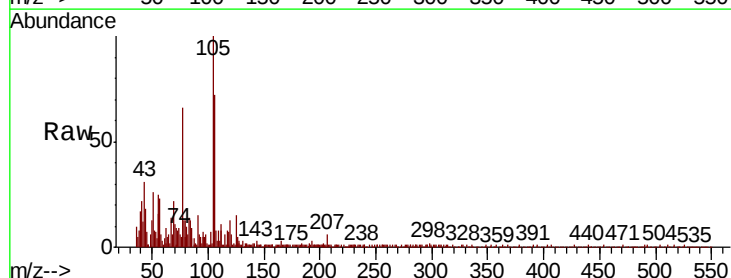
Tgt Ion: 77 Resp: 2005

Ion Ratio Lower Upper

77 100

105 150.5 89.6 129.6#

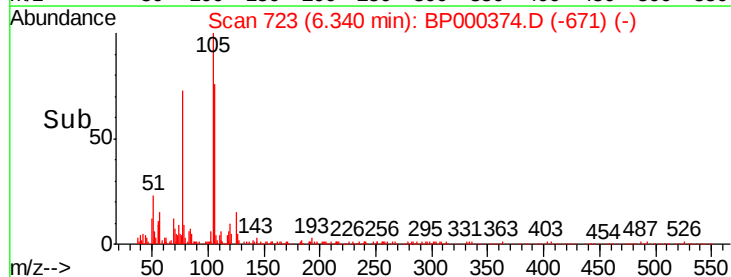
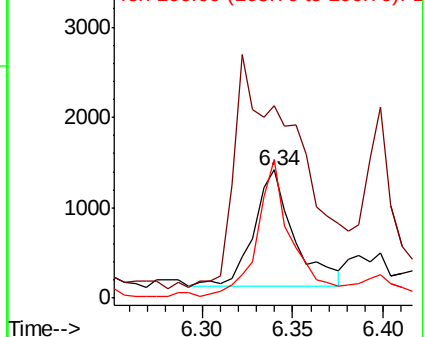
106 108.5 84.6 124.6

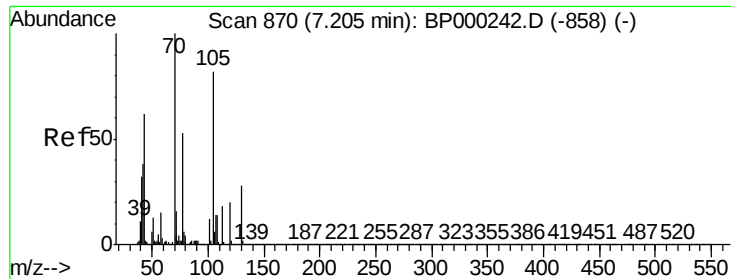


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

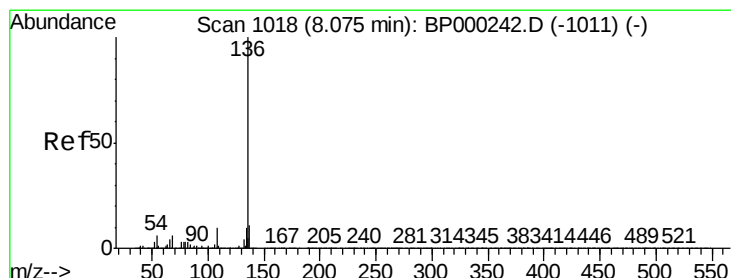
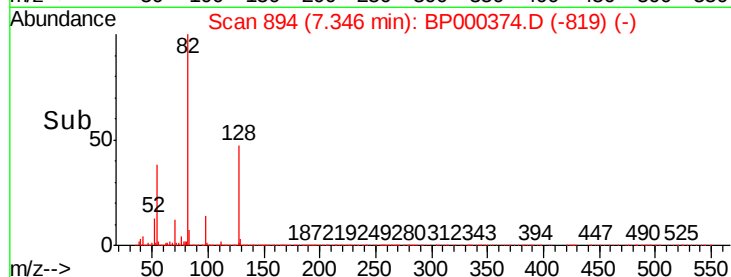
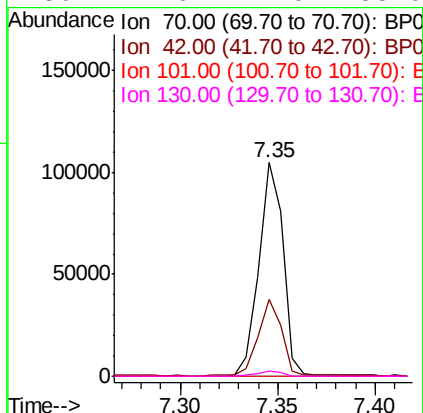
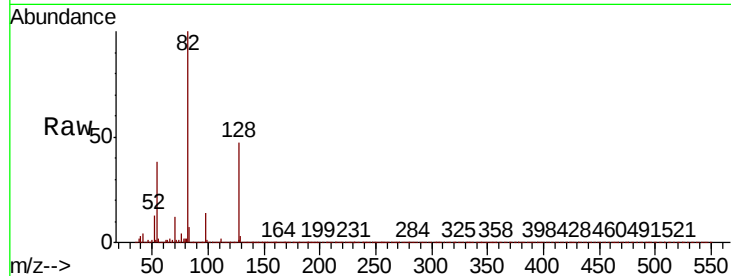




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.317 ng  
RT: 7.35 min Scan# 894  
Delta R.T. 0.14 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

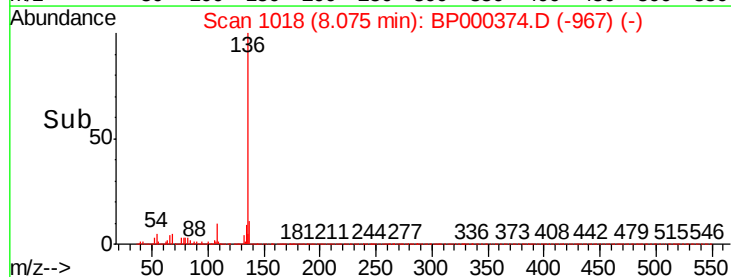
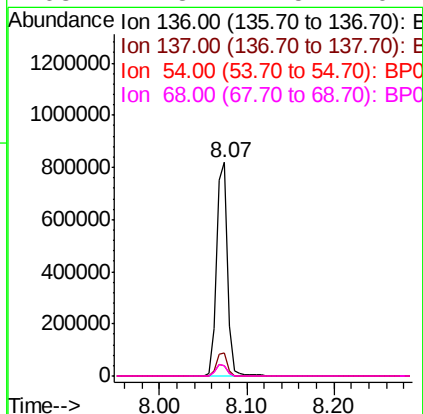
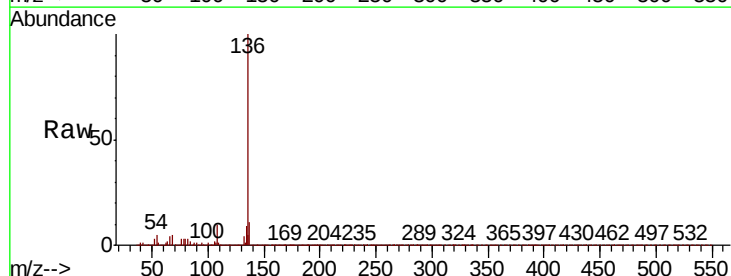
Instrument :  
BNA\_P  
ClientSampleId :

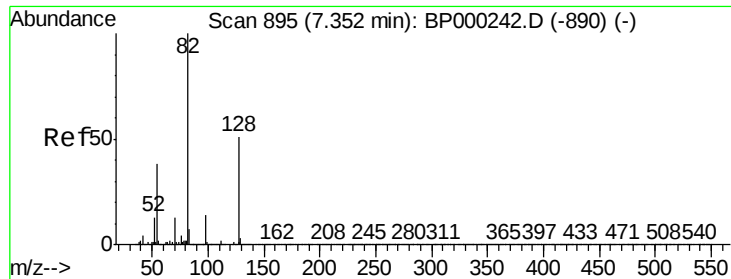
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 35.7  | 30.7  | 46.1  |
| 101     | 0.1   | 9.6   | 14.4# |
| 130     | 2.6   | 22.0  | 33.0# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.07 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.8  | 8.6   | 13.0  |
| 54      | 4.8   | 4.5   | 6.7   |
| 68      | 4.8   | 4.5   | 6.7   |

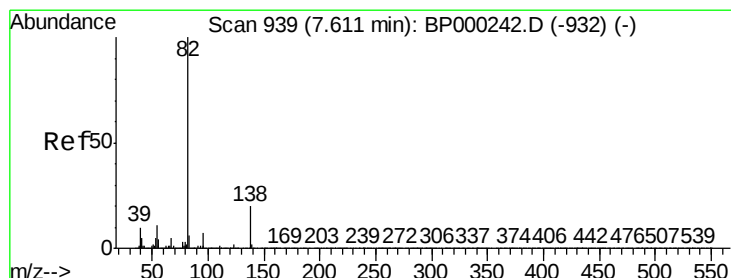
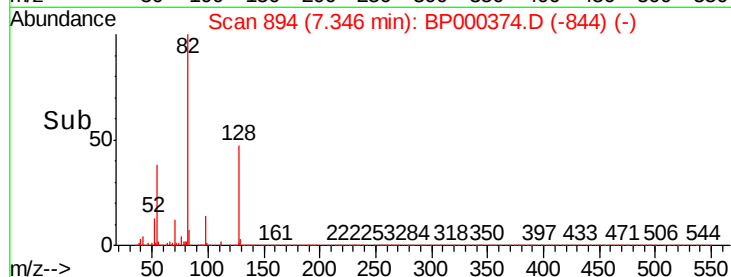
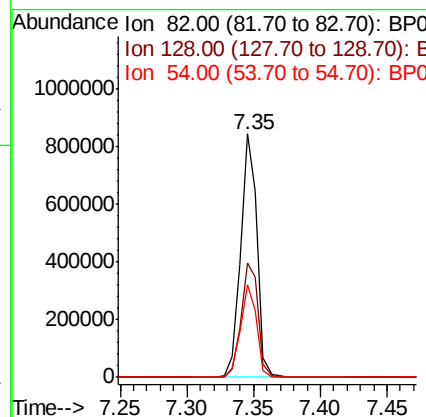
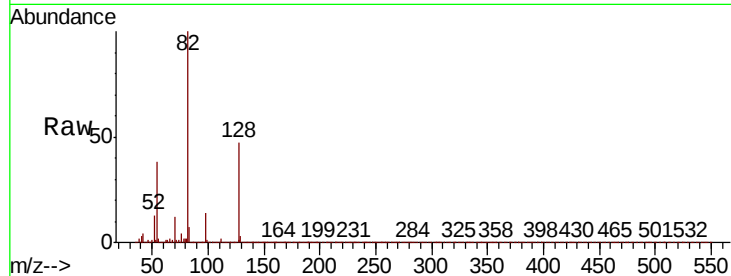




#23  
Nitrobenzene-d5  
Concen: 65.755 ng  
RT: 7.35 min Scan# 894  
Delta R.T. -0.01 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

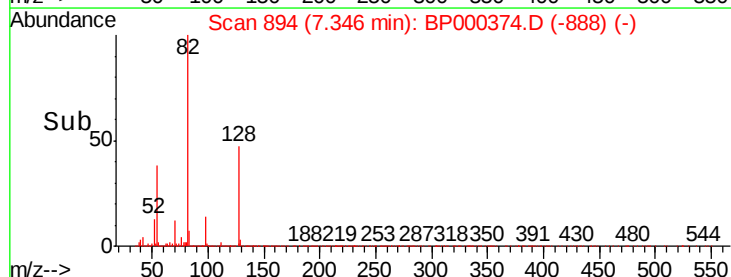
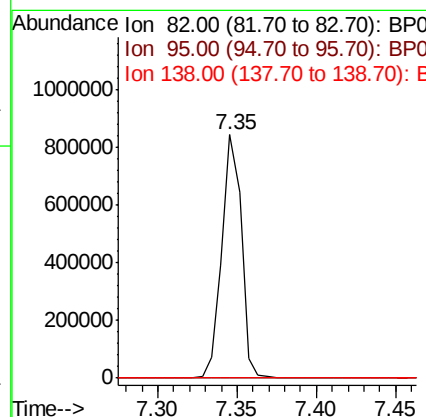
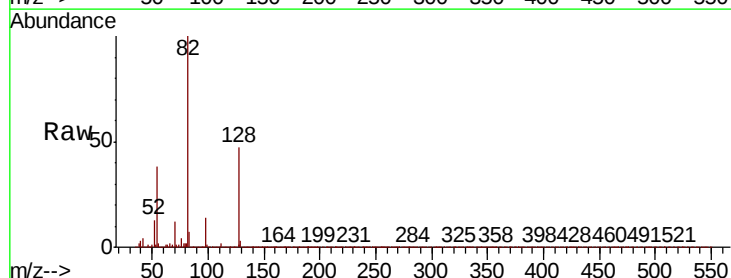
Instrument :  
BNA\_P  
ClientSampleId :

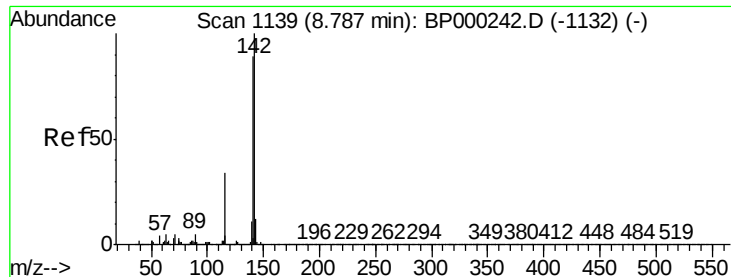
| Tot Ion   | 82    | Resp  | 724138 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.2  | 40.7  | 61.1   |
| 54        | 38.0  | 30.1  | 45.1   |



#25  
Isophorone  
Concen: 33.140 ng  
RT: 7.35 min Scan# 894  
Delta R.T. -0.26 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

| Tgt Ion   | 82    | Resp  | 722656 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.0   | 5.9   | 8.9#   |
| 138       | 0.0   | 15.9  | 23.9#  |

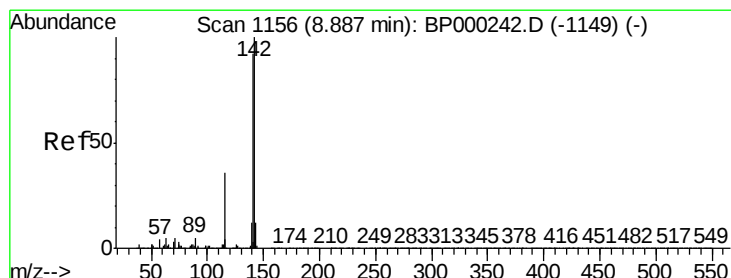
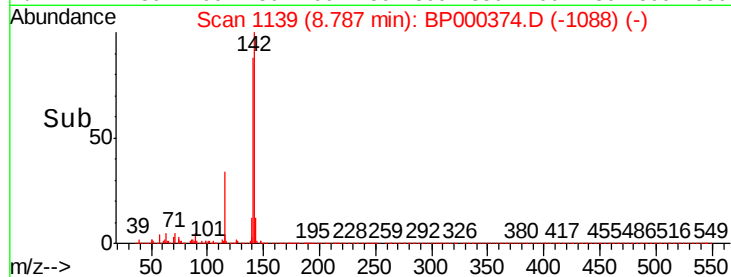
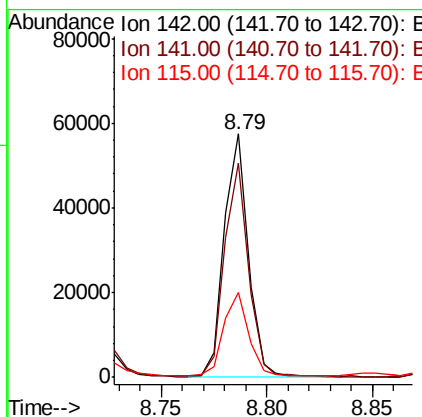
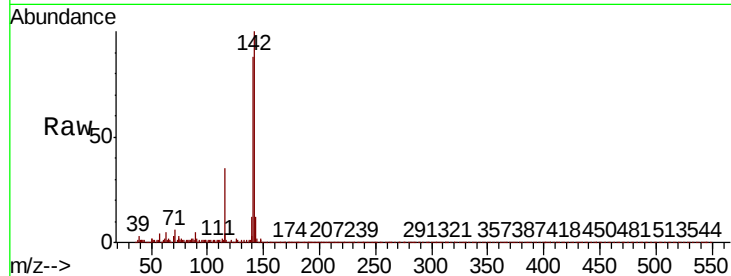




#37  
 2-Methylnaphthalene  
 Concen: 2.001 ng  
 RT: 8.79 min Scan# 1139  
 Delta R.T. -0.00 min  
 Lab File: BP000374.D  
 Acq: 23 Sep 2019 20:41

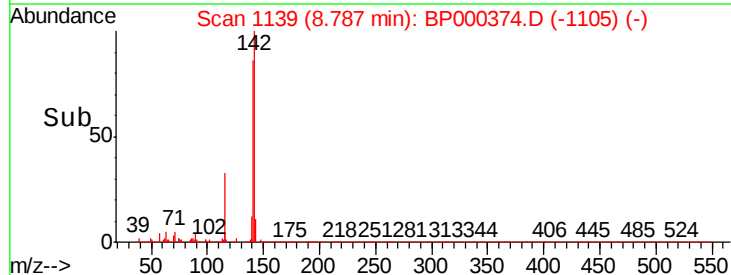
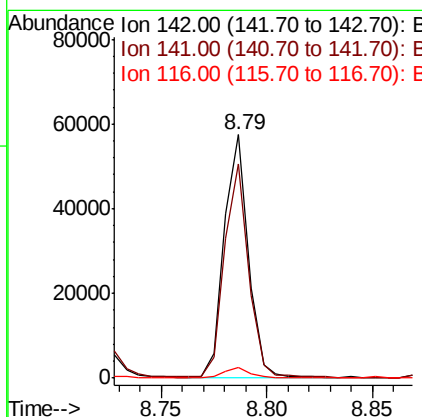
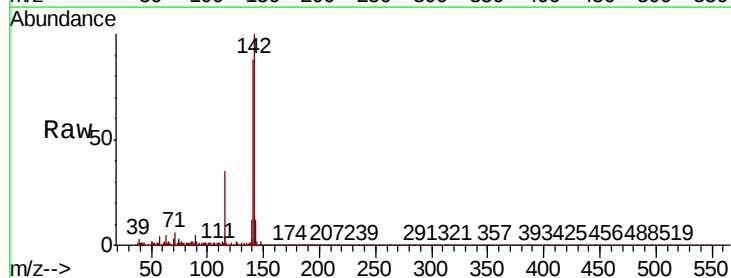
Instrument :  
 BNA\_P  
 ClientSampleId :

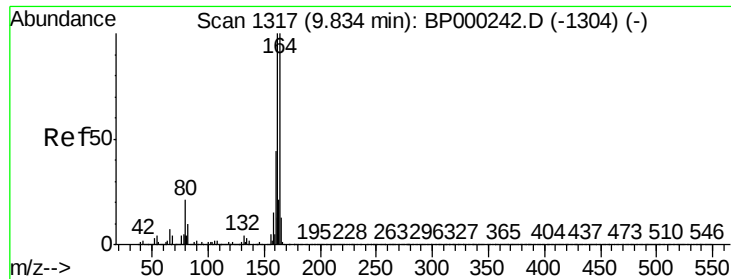
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.9  | 71.3  | 106.9 |
| 115     | 34.8  | 27.2  | 40.8  |



#38  
 1-Methylnaphthalene  
 Concen: 2.134 ng  
 RT: 8.79 min Scan# 1139  
 Delta R.T. -0.10 min  
 Lab File: BP000374.D  
 Acq: 23 Sep 2019 20:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.9  | 73.9  | 110.9 |
| 116     | 4.4   | 3.0   | 4.6   |

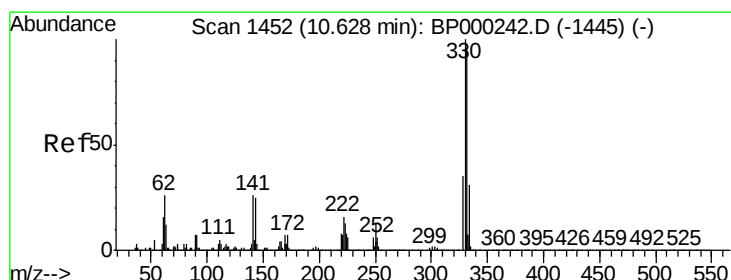
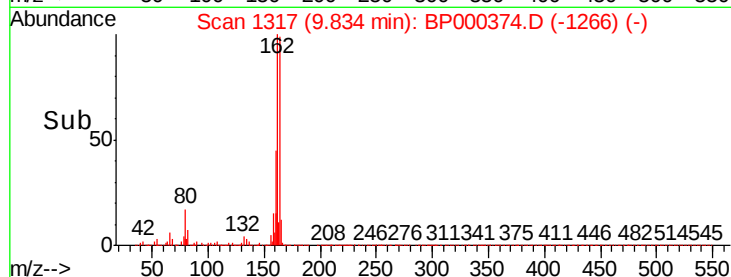
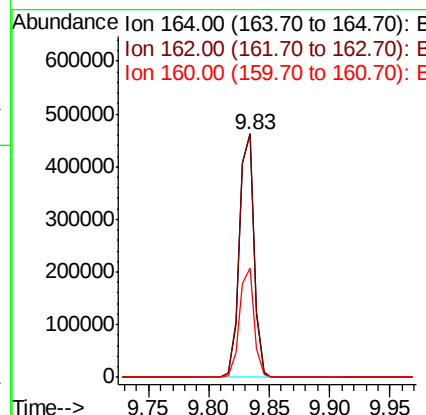
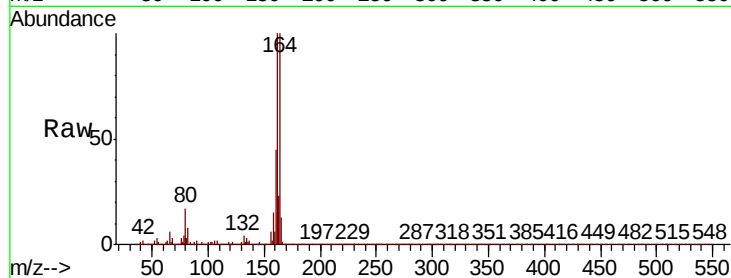




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. -0.00 min  
 Lab File: BP000374.D  
 Acq: 23 Sep 2019 20:41

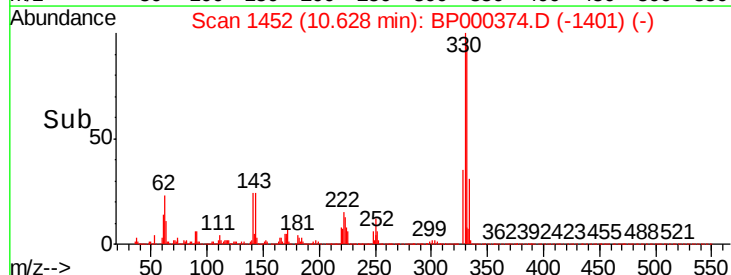
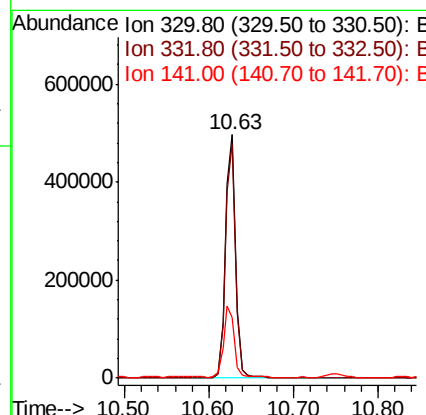
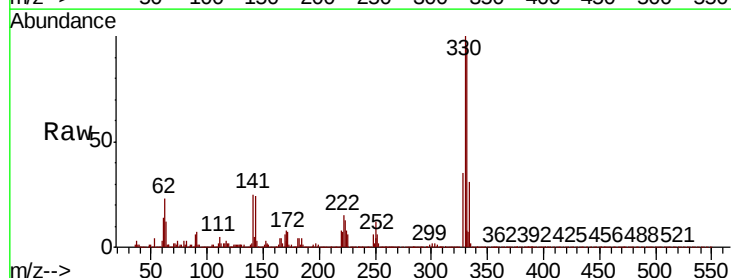
Instrument :  
 BNA\_P  
 ClientSampleId :

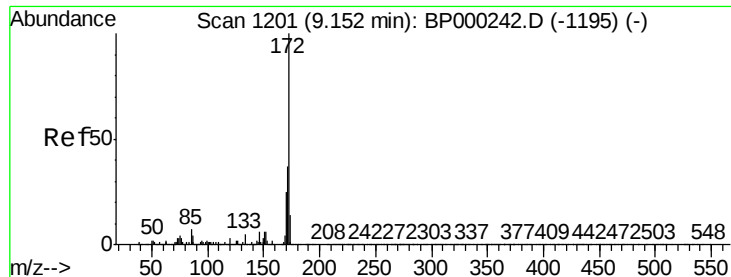
Tot Ion:164 Resp: 392852  
 Ion Ratio Lower Upper  
 164 100  
 162 100.0 79.9 119.9  
 160 44.7 35.6 53.4



#42  
 2,4,6-Tribromophenol  
 Concen: 108.997 ng  
 RT: 10.63 min Scan# 1452  
 Delta R.T. -0.00 min  
 Lab File: BP000374.D  
 Acq: 23 Sep 2019 20:41

Tgt Ion:330 Resp: 424715  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 76.6 115.0  
 141 30.5 26.5 39.7

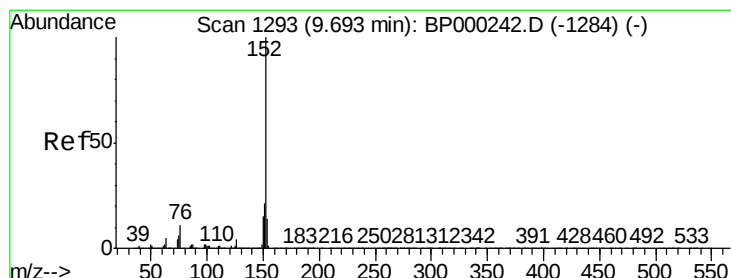
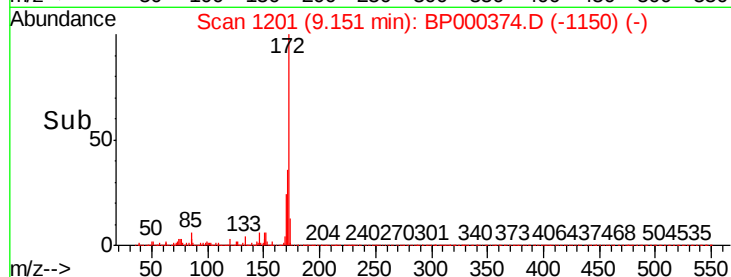
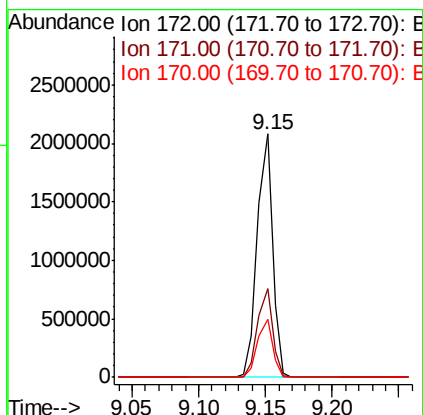
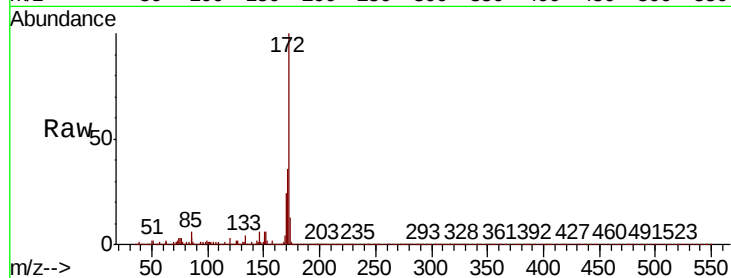




#45  
2-Fluorobiphenyl  
Concen: 74.681 ng  
RT: 9.15 min Scan# 1201  
Delta R.T. -0.00 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

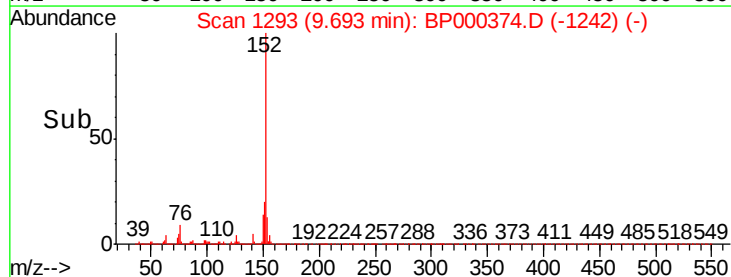
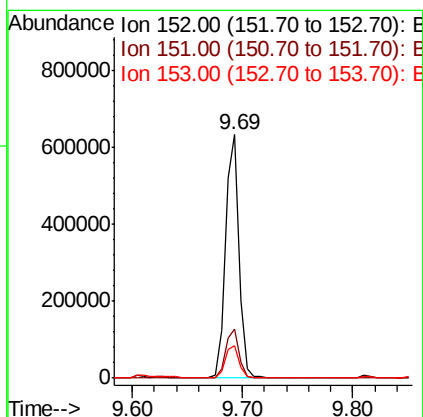
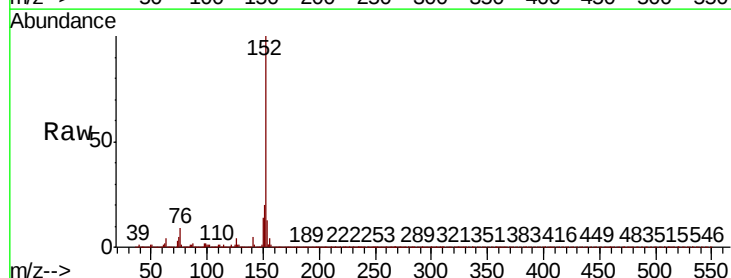
Instrument :  
BNA\_P  
ClientSampled :

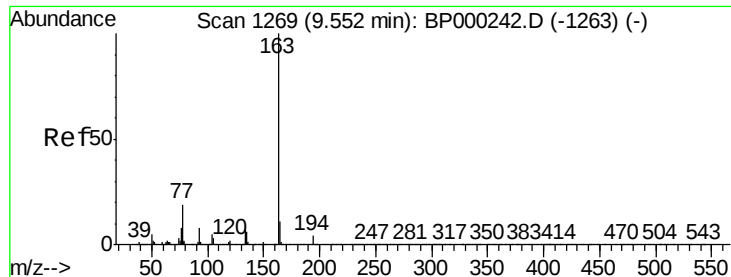
Tot Ion:172 Resp: 1630091  
Ion Ratio Lower Upper  
172 100  
171 36.4 29.8 44.6  
170 23.8 19.8 29.6



#49  
Acenaphthylene  
Concen: 15.743 ng  
RT: 9.69 min Scan# 1293  
Delta R.T. -0.00 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

Tgt Ion:152 Resp: 539501  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.4 24.6  
153 13.2 11.0 16.4

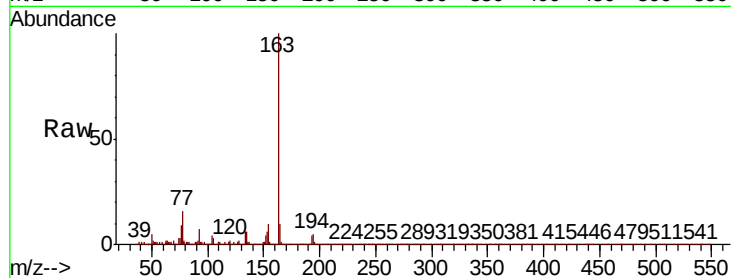




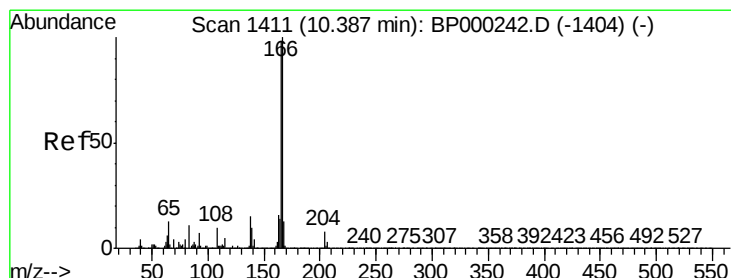
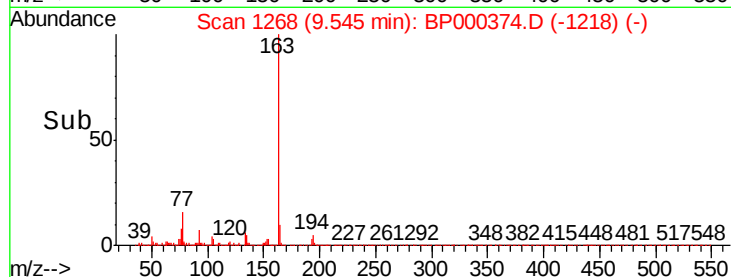
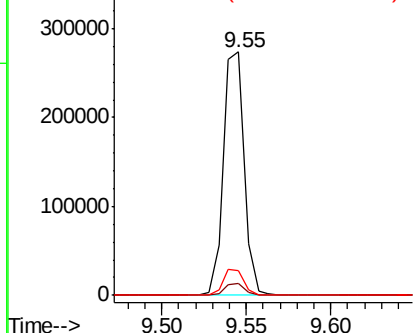
#50  
Dimethylphthalate  
Concen: 8.739 ng  
RT: 9.55 min Scan# 1268  
Delta R.T. -0.01 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.9   | 3.4   | 5.0   |
| 164     | 10.0  | 8.5   | 12.7  |

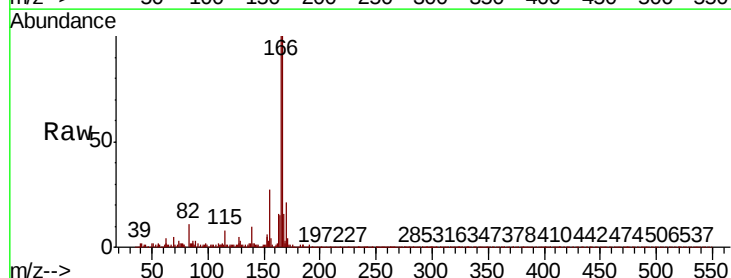


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

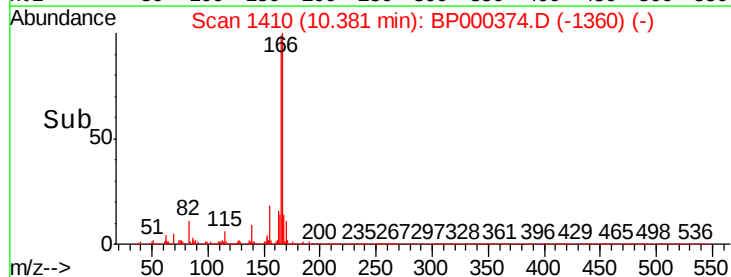
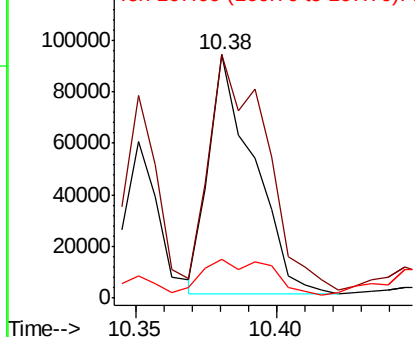


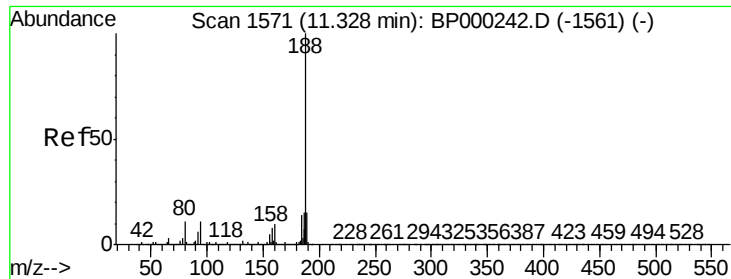
#58  
Fluorene  
Concen: 4.396 ng  
RT: 10.38 min Scan# 1410  
Delta R.T. -0.01 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.9  | 78.2  | 117.2 |
| 167     | 15.7  | 10.7  | 16.1  |



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: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

Instrument :

BNA\_P

ClientSampleId :

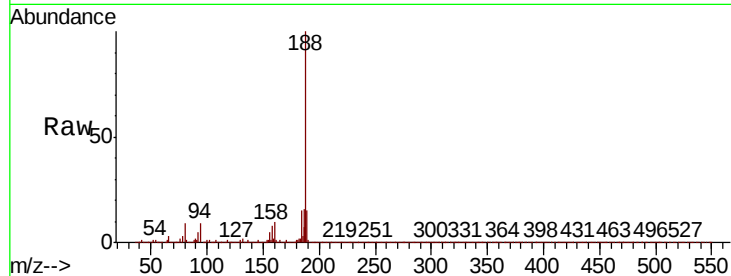
Tot Ion:188 Resp: 708037

Ion Ratio Lower Upper

188 100

94 8.5 8.5 12.7

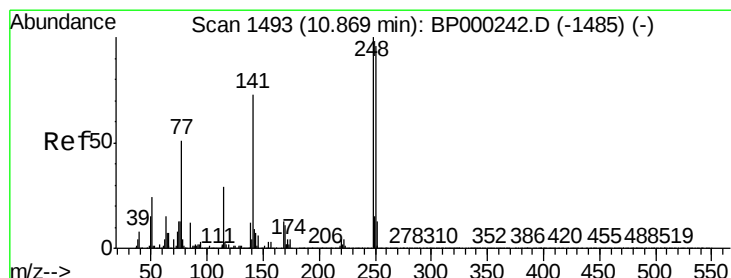
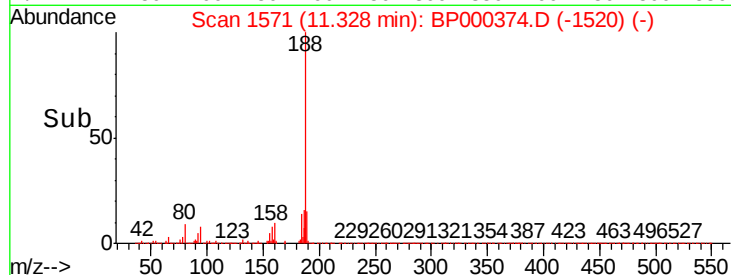
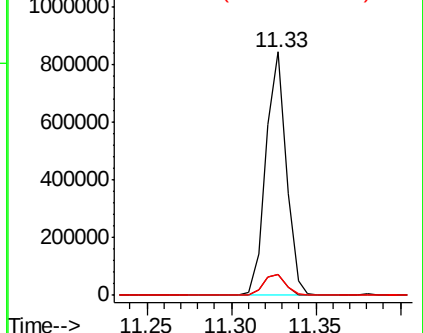
80 8.8 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#67

4-Bromophenyl-phenylether

Concen: 3.535 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

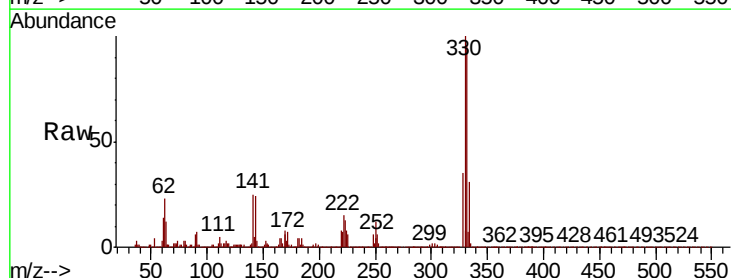
Tgt Ion:248 Resp: 28306

Ion Ratio Lower Upper

248 100

250 199.9 77.0 115.4#

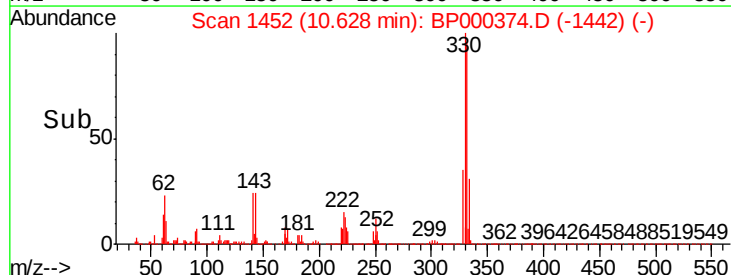
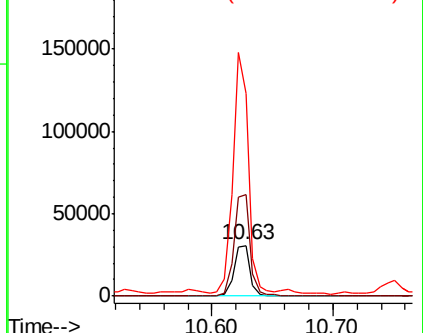
141 401.2 58.5 87.7#

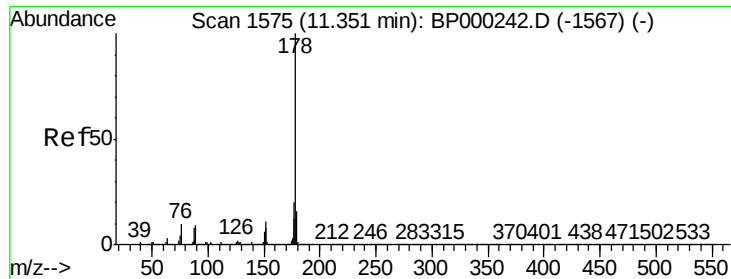


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

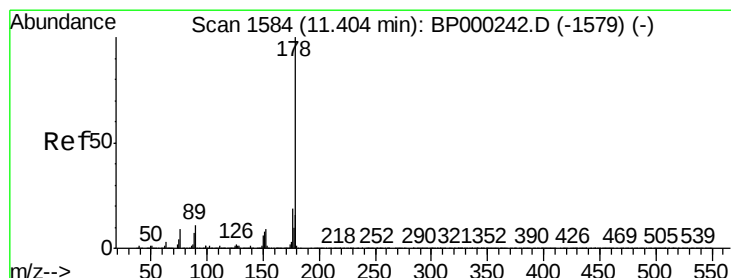
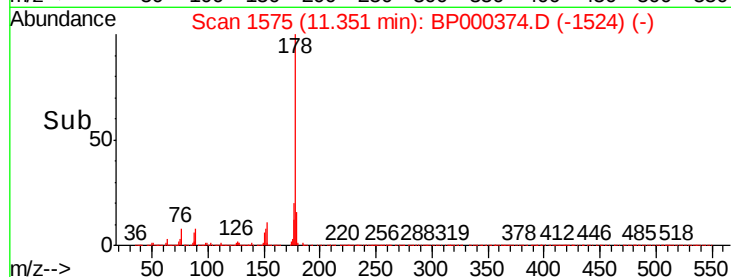
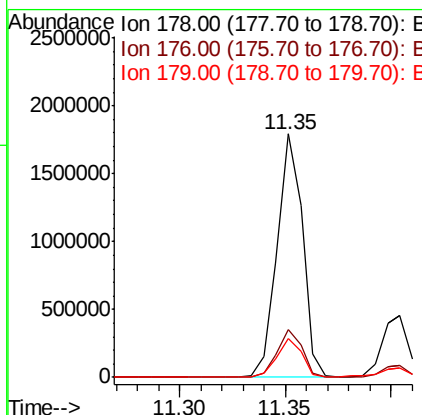
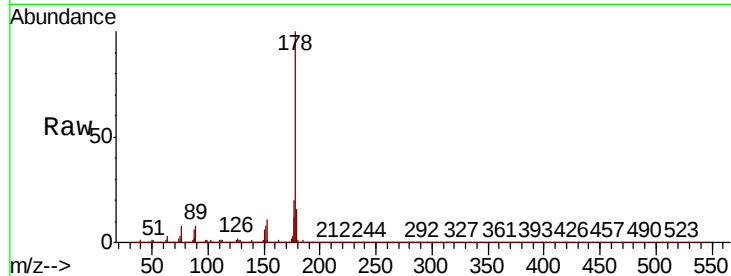




#71  
Phenanthrene  
Concen: 42.216 ng  
RT: 11.35 min Scan# 1575  
Delta R.T. -0.00 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

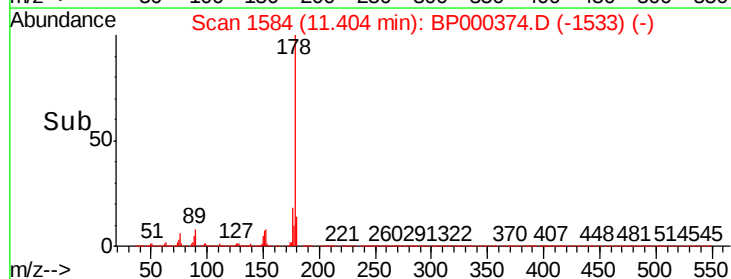
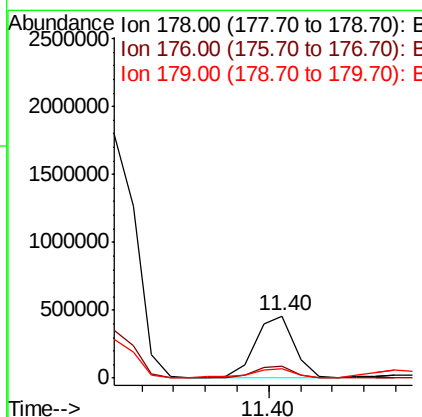
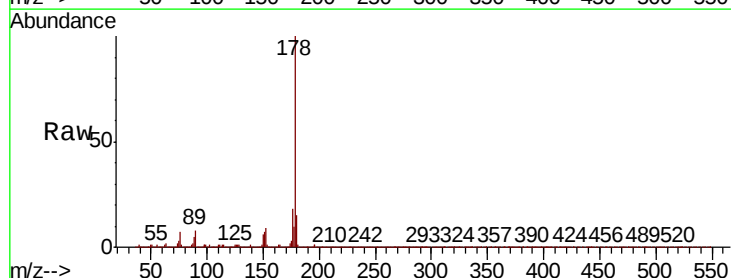
Instrument :  
BNA\_P  
ClientSampleId :

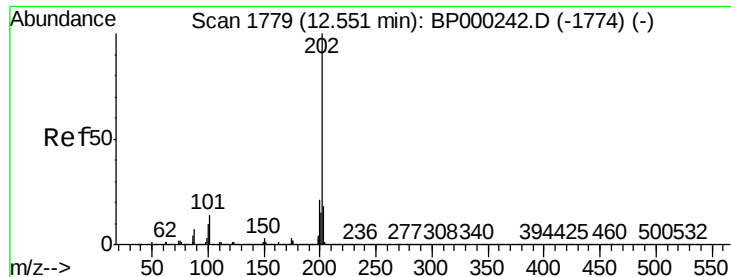
Tot Ion:178 Resp: 1497898  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.8 23.8  
179 16.0 12.7 19.1



#72  
Anthracene  
Concen: 10.606 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. -0.00 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

Tgt Ion:178 Resp: 387357  
Ion Ratio Lower Upper  
178 100  
176 18.3 15.4 23.0  
179 15.4 12.7 19.1





#75

Fluoranthene

Concen: 50.424 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

Instrument :

BNA\_P

ClientSampled :

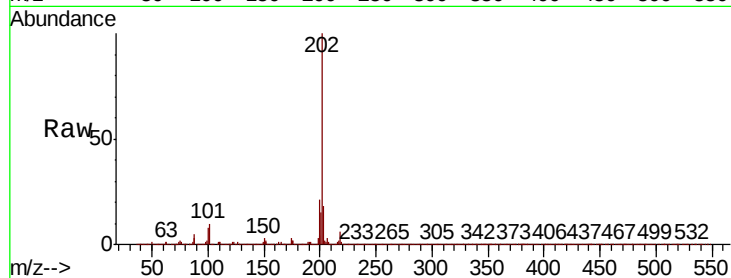
Tot Ion:202 Resp: 1921128

Ion Ratio Lower Upper

202 100

101 10.1 0.0 33.9

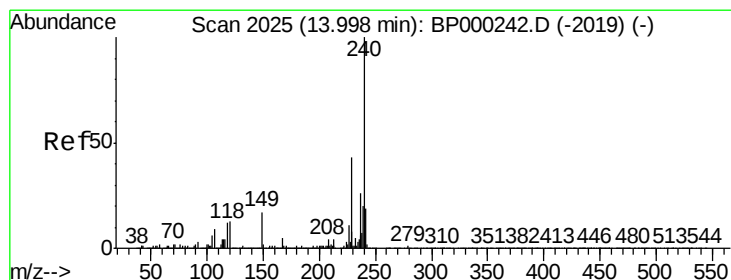
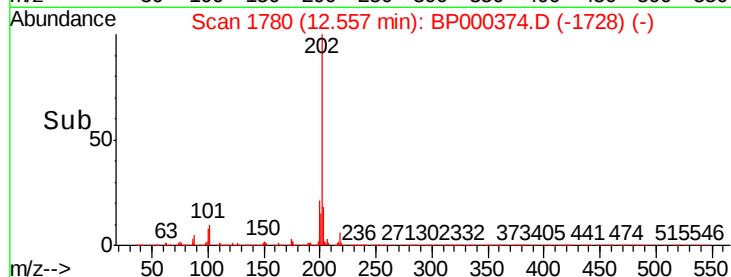
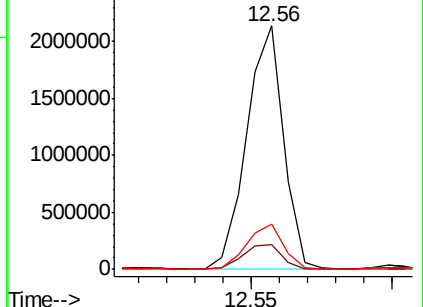
203 18.4 0.0 38.0



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: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

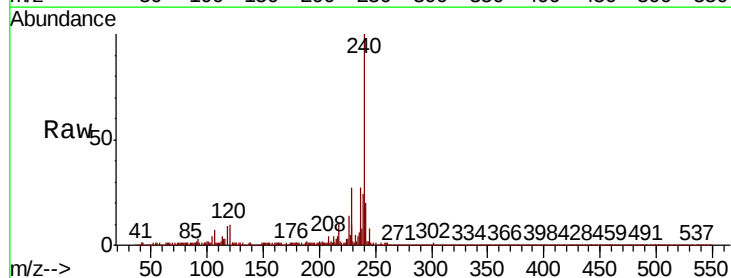
Tgt Ion:240 Resp: 577057

Ion Ratio Lower Upper

240 100

120 9.8 10.4 15.6#

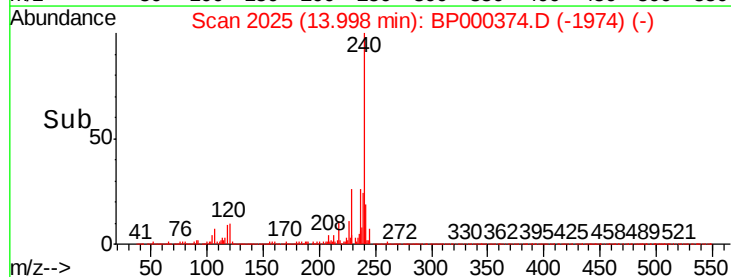
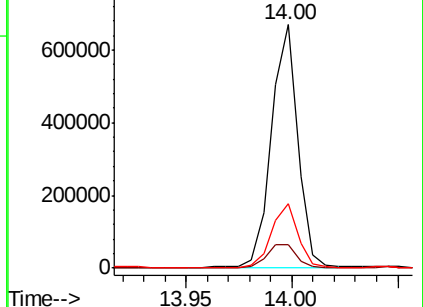
236 26.6 21.0 31.6

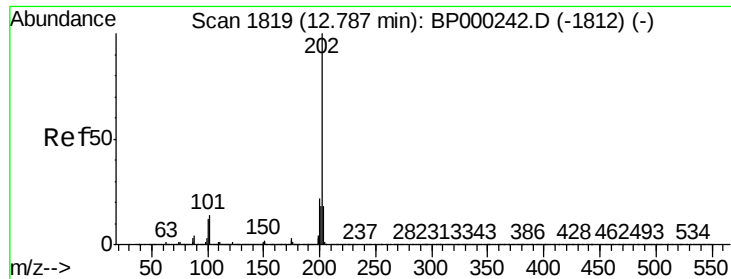


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

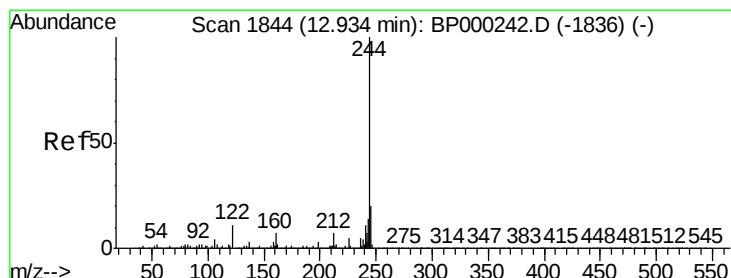
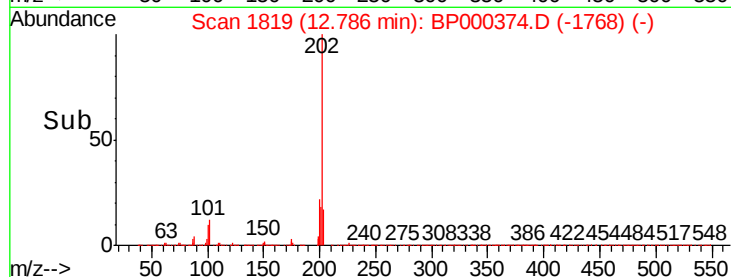
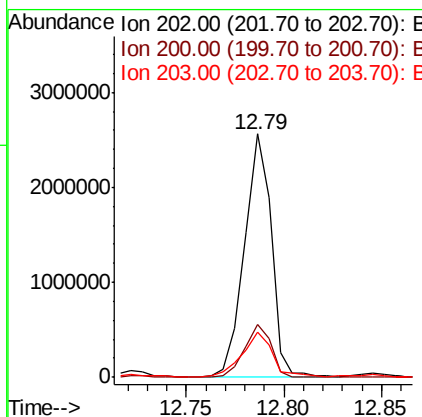
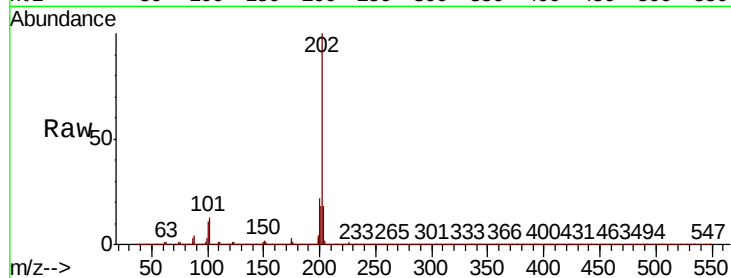




#78  
Pvrene  
Concen: 56.589 ng  
RT: 12.79 min Scan# 1819  
Delta R.T. -0.00 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

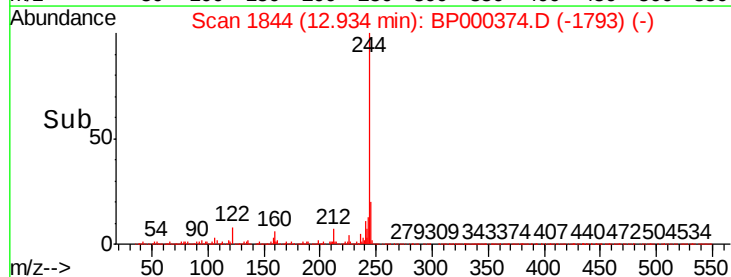
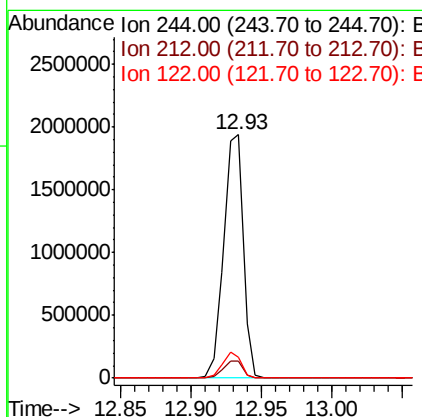
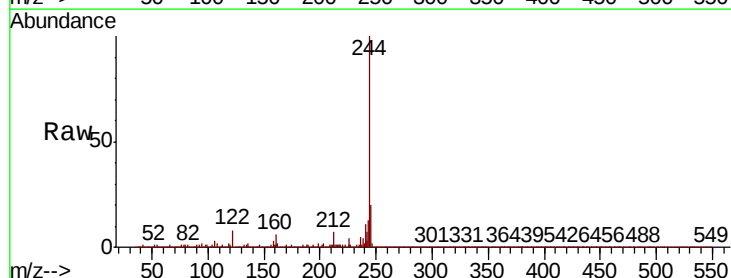
Instrument :  
BNA\_P  
ClientSampleId :

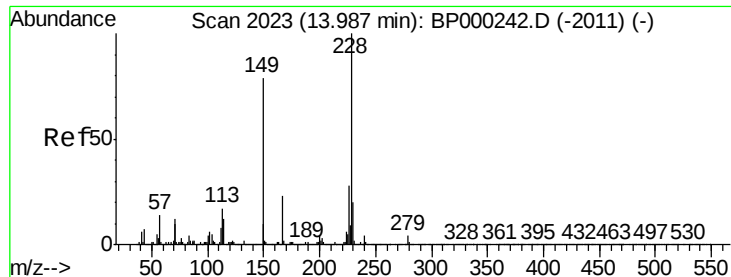
Tot Ion:202 Resp: 2443125  
Ion Ratio Lower Upper  
202 100  
200 22.0 17.5 26.3  
203 18.3 14.3 21.5



#79  
Terphenyl-d14  
Concen: 68.078 ng  
RT: 12.93 min Scan# 1844  
Delta R.T. -0.00 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

Tgt Ion:244 Resp: 1872643  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.9 8.9  
122 8.3 9.0 13.4#





#81

Benzo(a)anthracene

Concen: 32.673 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.04 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

Instrument :

BNA\_P

ClientSampleId :

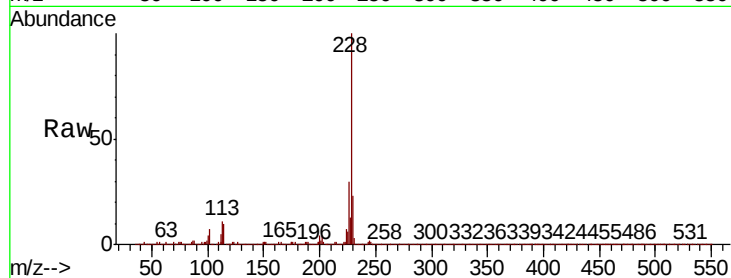
Tot Ion:228 Resp: 1190962

Ion Ratio Lower Upper

228 100

226 30.3 22.2 33.4

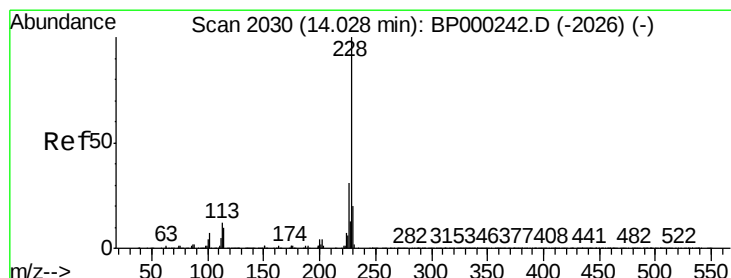
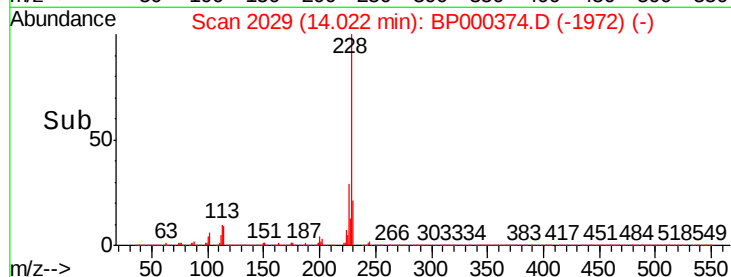
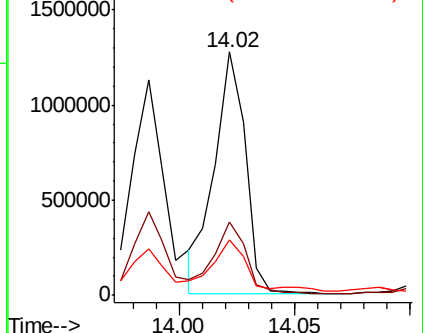
229 22.7 16.0 24.0



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: 33.277 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

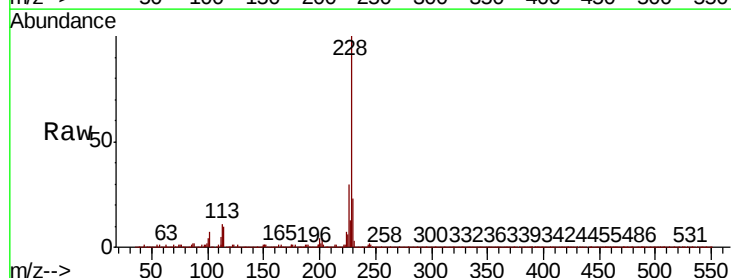
Tgt Ion:228 Resp: 1190962

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

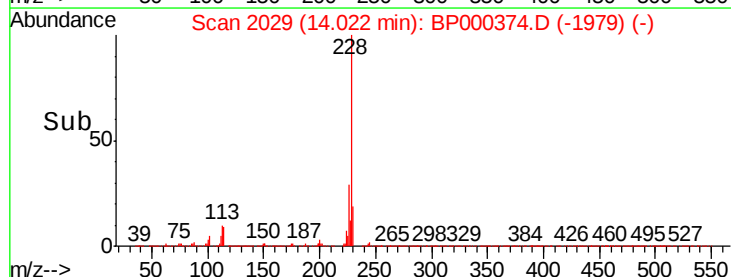
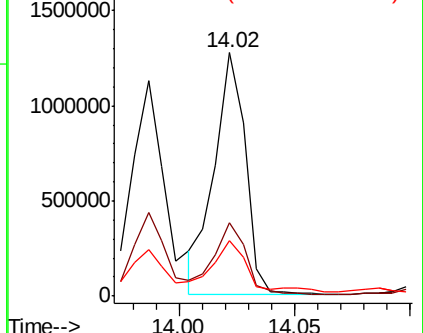
229 22.7 16.2 24.2

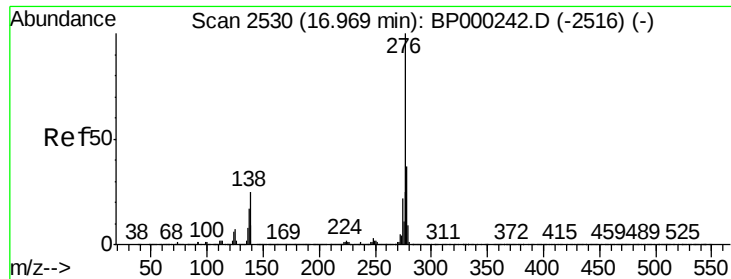


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

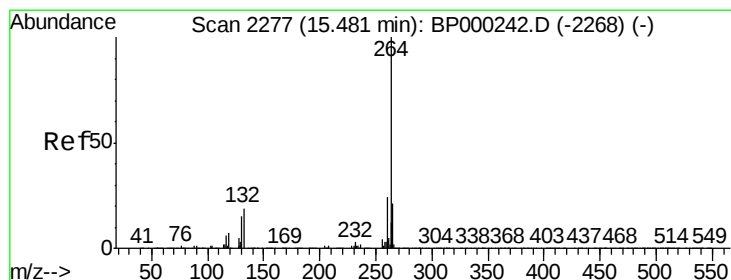
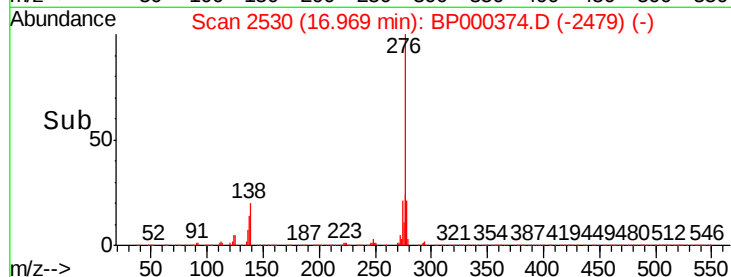
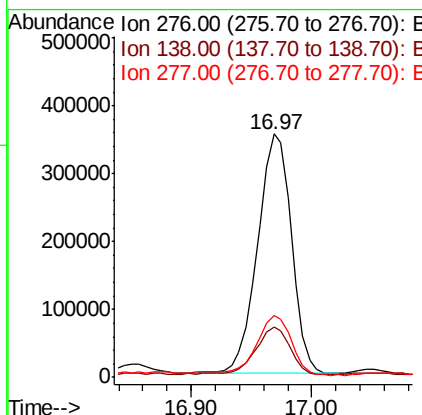
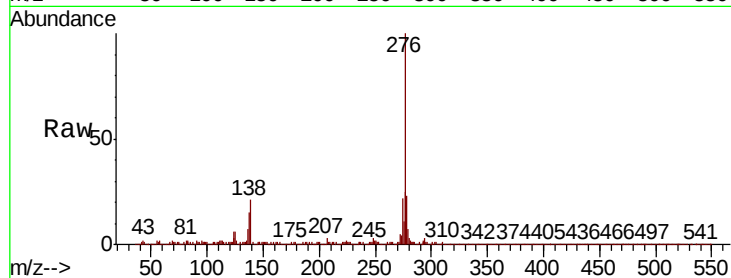




#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 15.720 ng  
 RT: 16.97 min Scan# 2530  
 Delta R.T. -0.00 min  
 Lab File: BP000374.D  
 Acq: 23 Sep 2019 20:41

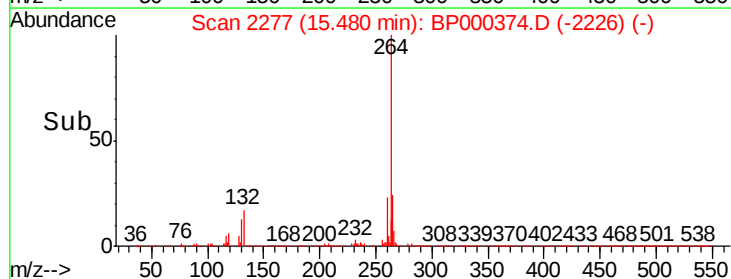
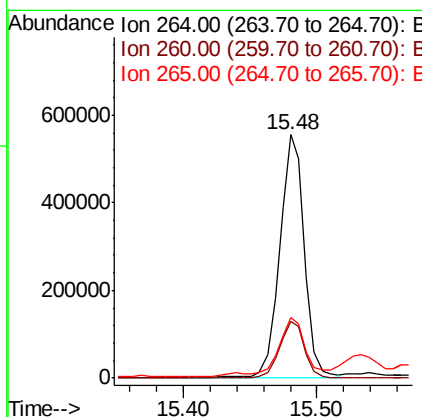
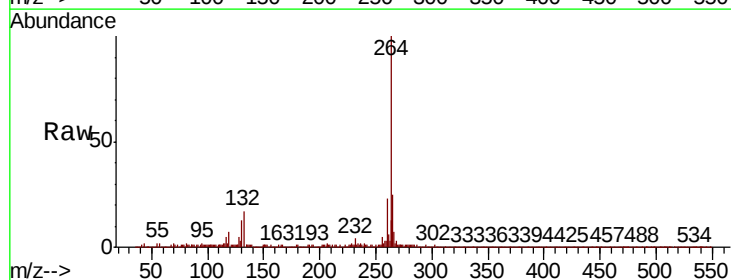
Instrument :  
 BNA\_P  
 ClientSampleID :

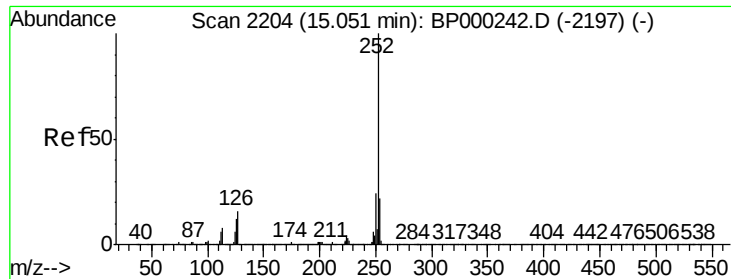
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.7  | 22.6  | 33.8  |
| 277     | 26.7  | 20.4  | 30.6  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.48 min Scan# 2277  
 Delta R.T. -0.00 min  
 Lab File: BP000374.D  
 Acq: 23 Sep 2019 20:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 18.9  | 28.3  |
| 265     | 24.8  | 17.2  | 25.8  |

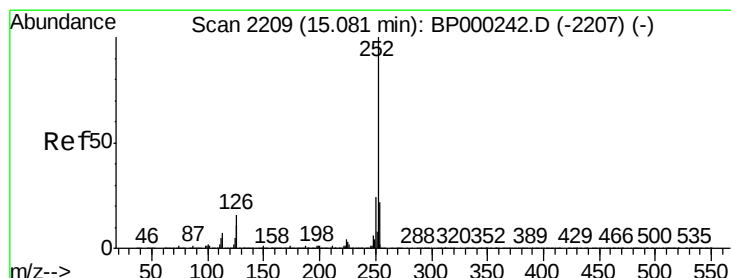
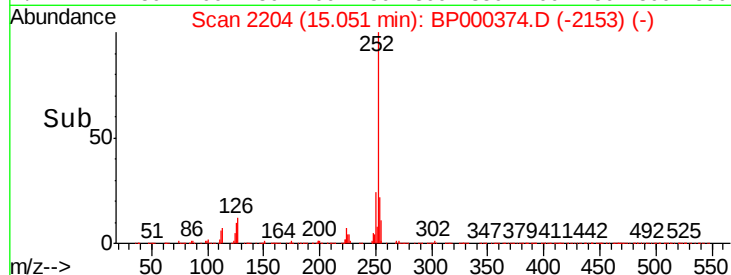
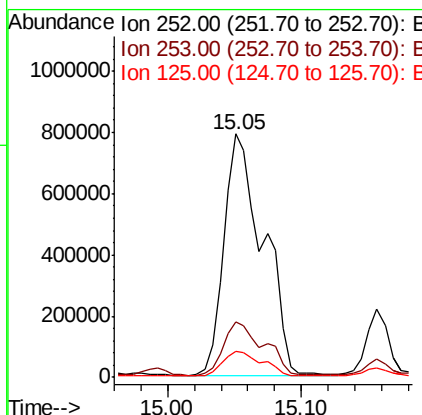
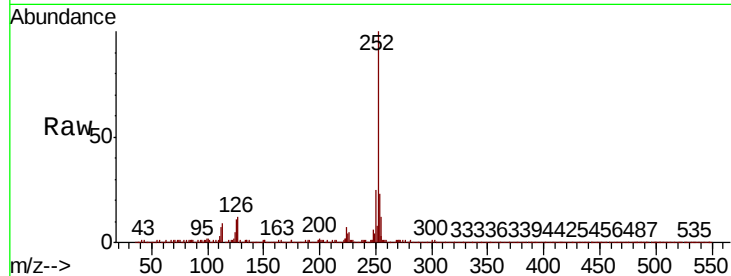




#88  
Benzo(b)fluoranthene  
Concen: 38.382 ng  
RT: 15.05 min Scan# 2204  
Delta R.T. -0.00 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

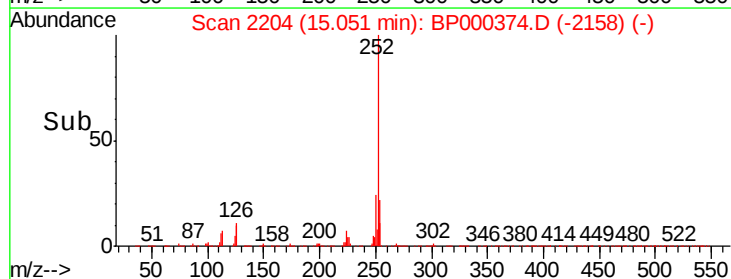
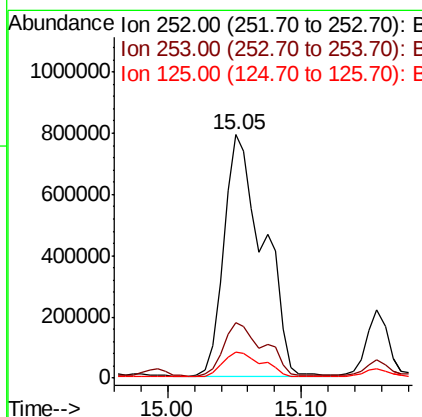
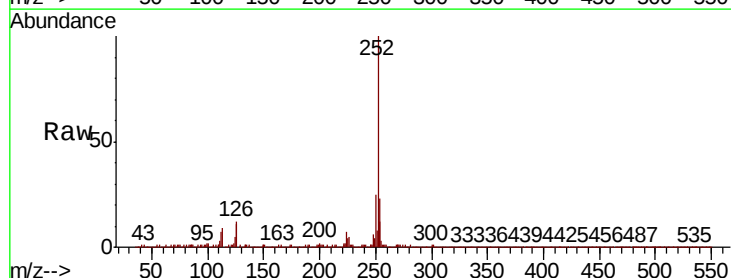
Instrument :  
BNA\_P  
ClientSampleId :

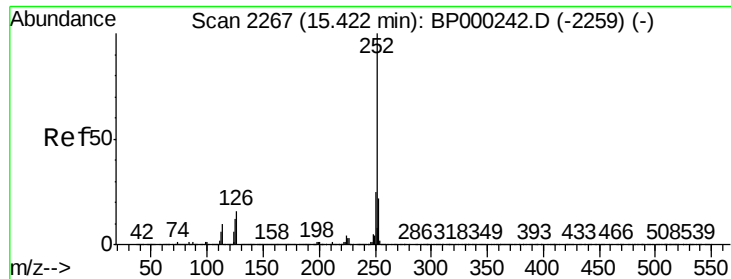
Tot Ion:252 Resp: 1622841  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.8 26.6  
125 10.8 9.5 14.3



#89  
Benzo(k)fluoranthene  
Concen: 44.002 ng  
RT: 15.05 min Scan# 2204  
Delta R.T. -0.03 min  
Lab File: BP000374.D  
Acq: 23 Sep 2019 20:41

Tgt Ion:252 Resp: 1622841  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.8 26.8  
125 10.8 9.6 14.4





#90

Benzo(a)pyrene

Concen: 18.963 ng

RT: 15.36 min Scan# 2256

Delta R.T. -0.06 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

Instrument :

BNA\_P

ClientSampled :

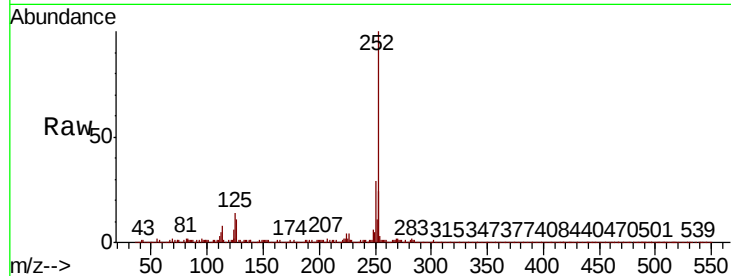
Tot Ion:252 Resp: 729540

Ion Ratio Lower Upper

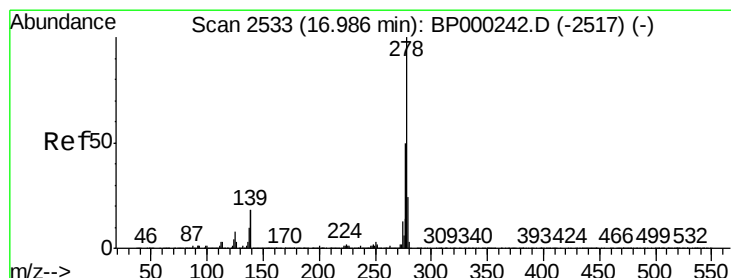
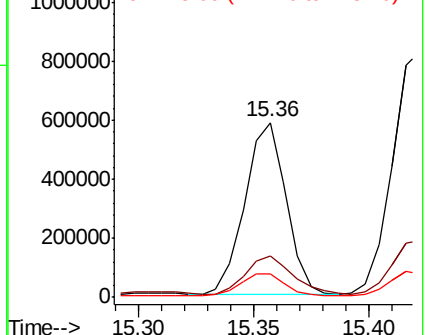
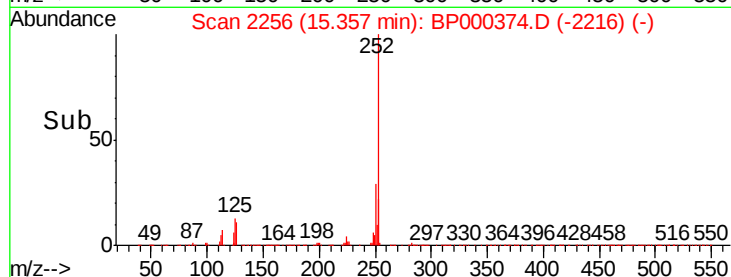
252 100

253 23.7 17.7 26.5

125 13.6 10.0 15.0



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



#91

Dibenzo(a,h)anthracene

Concen: 5.028 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

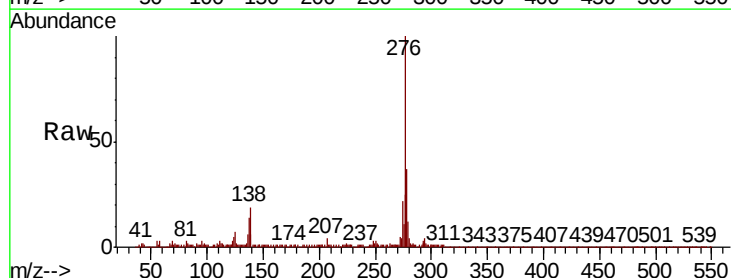
Tgt Ion:278 Resp: 180353

Ion Ratio Lower Upper

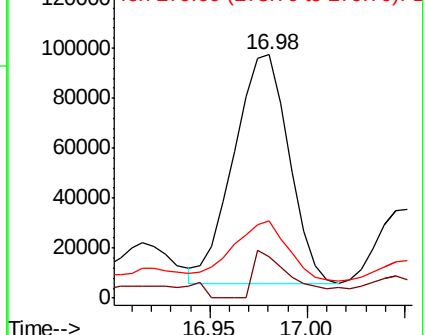
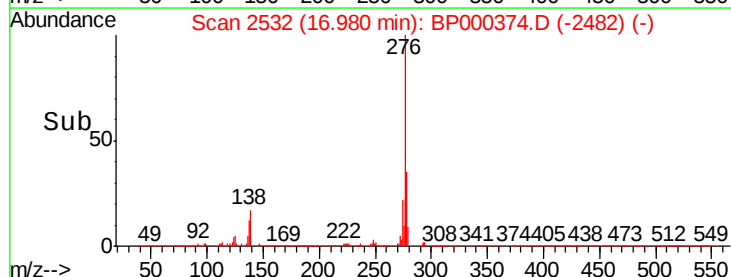
278 100

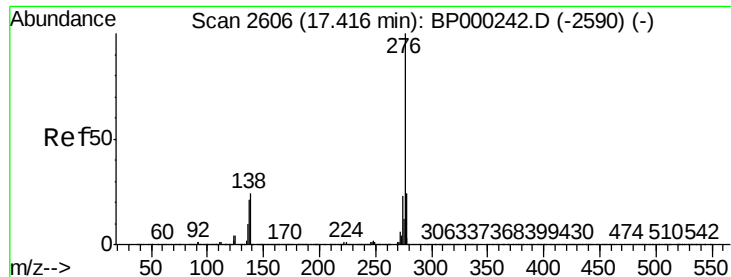
139 17.2 14.5 21.7

279 31.6 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#92  
 Benzo(a,h,i)perylene  
 Concen: 20.307 ng  
 RT: 17.42 min Scan# 2607  
 Delta R.T. 0.01 min  
 Lab File: BP000374.D  
 Acq: 23 Sep 2019 20:41

Instrument :  
 BNA\_P  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.4  | 19.1  | 28.7  |
| 138     | 19.8  | 19.5  | 29.3  |

