

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092419\  
 Data File : BP000385.D  
 Acq On : 24 Sep 2019 15:47  
 Operator : JU  
 Sample : K5008-07  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Sep 24 17:00:32 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

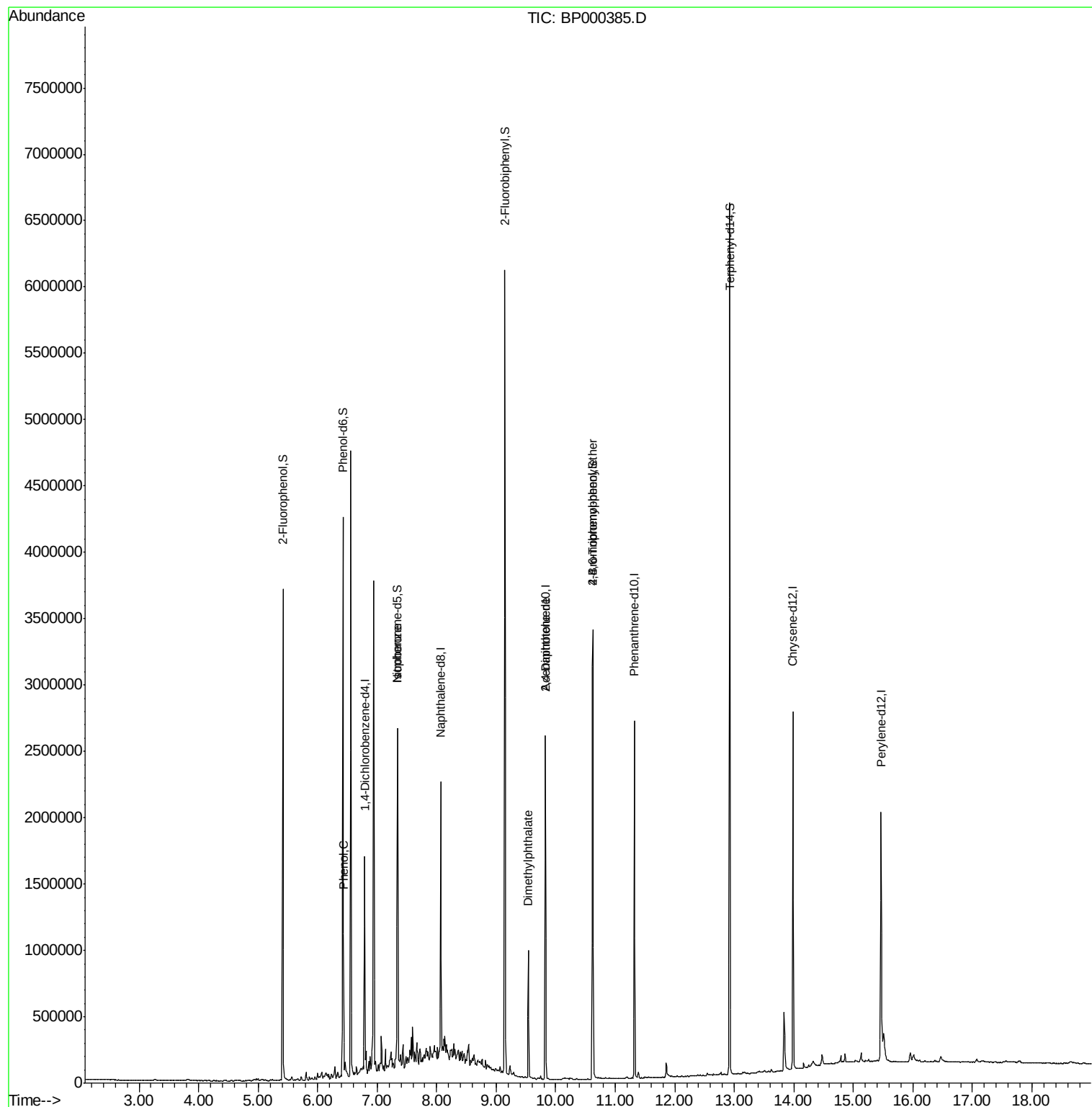
| Internal Standards            | R.T.  | QIon | Response | Conc      | Units | Dev(Min)    |
|-------------------------------|-------|------|----------|-----------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4     | 6.79  | 152  | 231473   | 20.00     | ng    | 0.00        |
| 21) Naphthalene-d8            | 8.07  | 136  | 844785   | 20.00     | ng    | 0.00        |
| 39) Acenaphthene-d10          | 9.83  | 164  | 472997   | 20.00     | ng    | 0.00        |
| 64) Phenanthrene-d10          | 11.32 | 188  | 899964   | 20.00     | ng    | 0.00        |
| 76) Chrysene-d12              | 13.99 | 240  | 801704   | 20.00     | ng    | -0.01       |
| 87) Perylene-d12              | 15.46 | 264  | 885523   | 20.00     | ng    | -0.02       |
| System Monitoring Compounds   |       |      |          |           |       |             |
| 5) 2-Fluorophenol             | 5.42  | 112  | 1231810  | 91.87     | ng    | 0.01        |
| 7) Phenol-d6                  | 6.43  | 99   | 1587257  | 96.57     | ng    | 0.00        |
| 23) Nitrobenzene-d5           | 7.34  | 82   | 876255   | 66.92     | ng    | -0.01       |
| 42) 2,4,6-Tribromophenol      | 10.62 | 330  | 428781   | 91.40     | ng    | 0.00        |
| 45) 2-Fluorobiphenyl          | 9.15  | 172  | 1669937  | 63.54     | ng    | 0.00        |
| 79) Terphenyl-d14             | 12.92 | 244  | 2061118  | 53.93     | ng    | -0.01       |
| Target Compounds              |       |      |          |           |       |             |
| 9) Benzaldehyde               | 6.35  | 77   | 1358     | Below Cal |       | Qvalue # 30 |
| 10) Phenol                    | 6.44  | 94   | 49519    | 2.652     | ng    | 97          |
| 25) Isophorone                | 7.34  | 82   | 866210   | 33.410    | ng    | # 64        |
| 50) Dimethylphthalate         | 9.54  | 163  | 329978   | 10.240    | ng    | 99          |
| 57) 2,4-Dinitrotoluene        | 9.83  | 165  | 61896    | 6.682     | ng    | # 35        |
| 67) 4-Bromophenyl-phenylether | 10.62 | 248  | 30426    | 2.990     | ng    | # 1         |
| 69) Atrazine                  | 11.03 | 200  | 89       | Below Cal |       | # 1         |

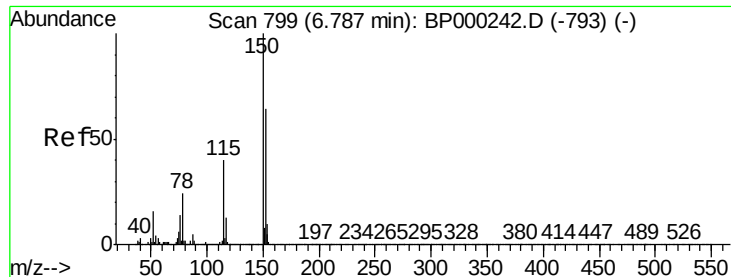
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_P  
ClientSampleId :

Quant Time: Sep 24 17:00:32 2019  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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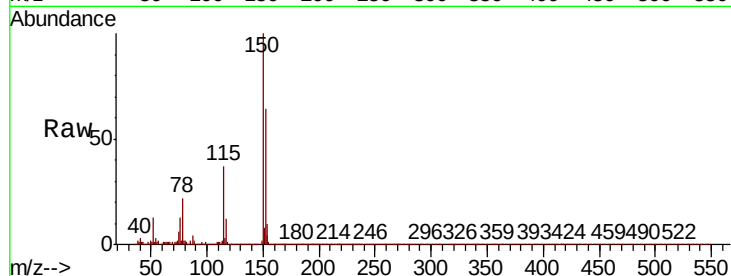


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 799  
Delta R.T. -0.00 min  
Lab File: BP000385.D  
Acq: 24 Sep 2019 15:47

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.6 | 125.2 | 187.8 |
| 115     | 57.2  | 49.7  | 74.5  |

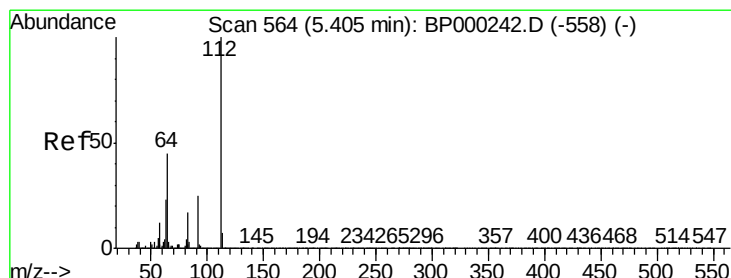
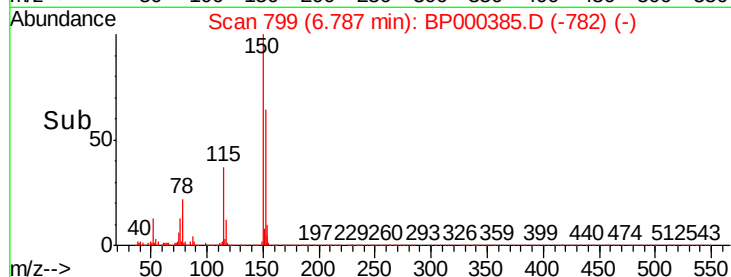
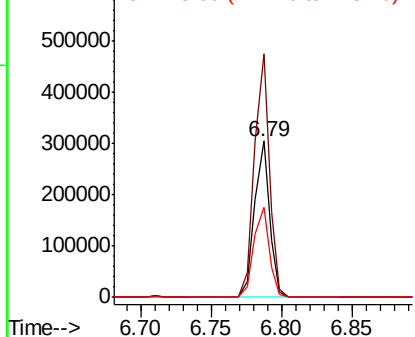


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

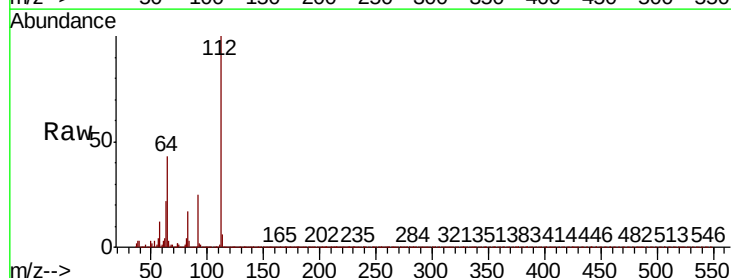
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 91.870 ng  
RT: 5.42 min Scan# 566  
Delta R.T. 0.01 min  
Lab File: BP000385.D  
Acq: 24 Sep 2019 15:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 42.9  | 36.2  | 54.4  |
| 63      | 21.9  | 18.3  | 27.5  |

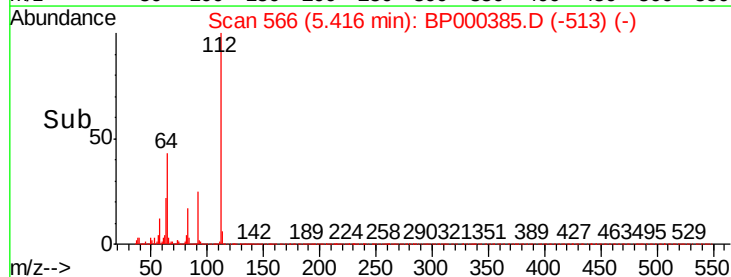
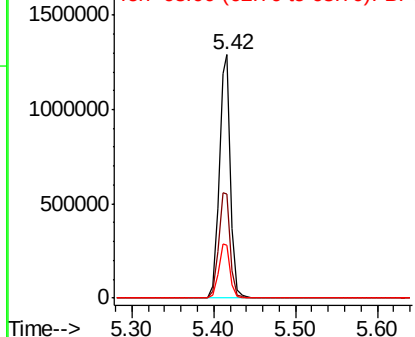


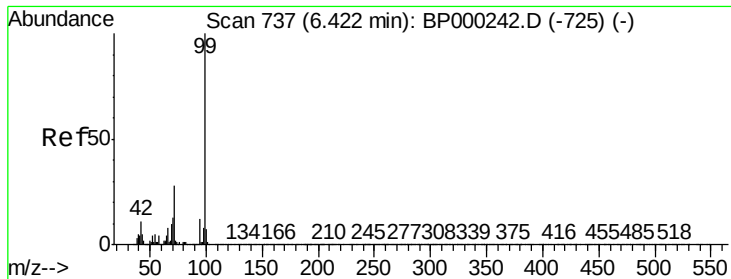
Abundance

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: 96.574 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000385.D

Acq: 24 Sep 2019 15:47

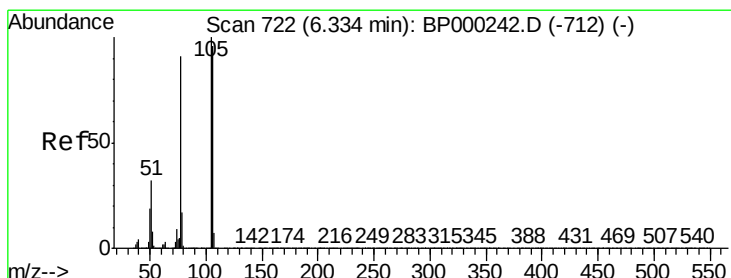
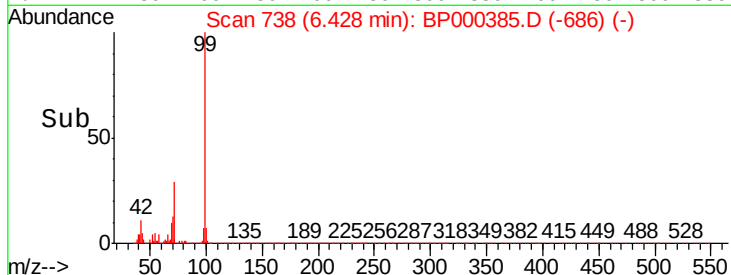
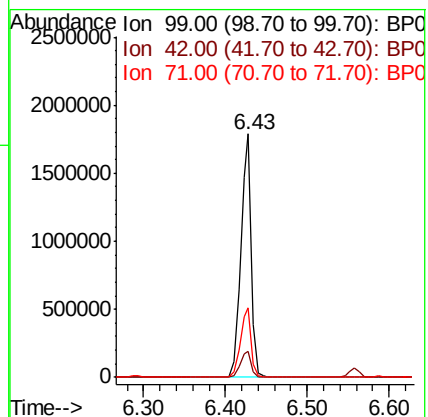
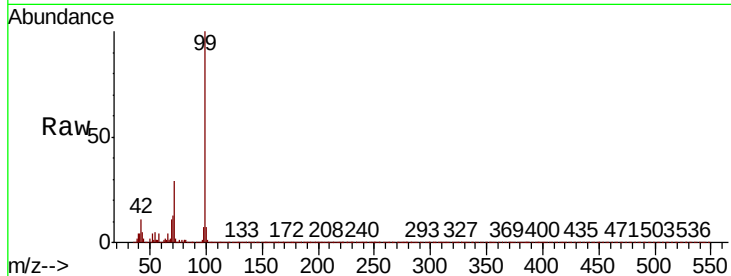
Instrument :

BNA\_P

ClientSampled :

Tot Ion: 99 Resp: 1587257

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 10.7  | 8.5   | 12.7  |
| 71  | 28.7  | 22.6  | 34.0  |



#9

Benzaldehyde

Concen: Below Cal

RT: 6.35 min Scan# 724

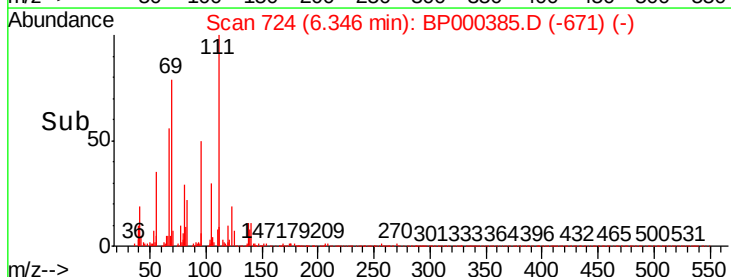
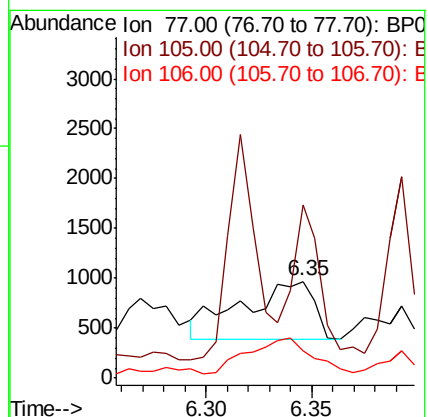
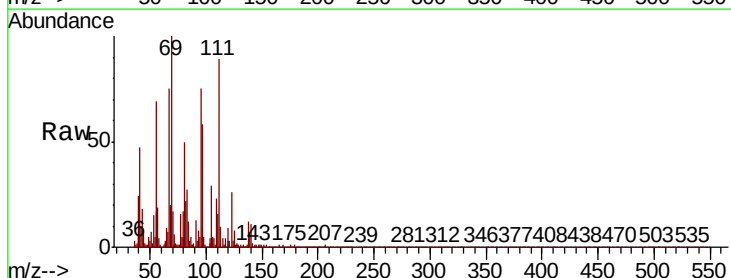
Delta R.T. 0.01 min

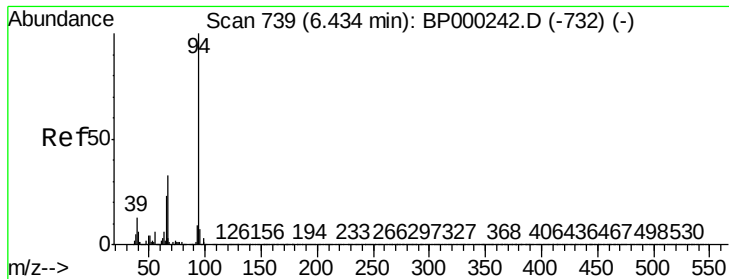
Lab File: BP000385.D

Acq: 24 Sep 2019 15:47

Tgt Ion: 77 Resp: 1358

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 77  | 100   |       |        |
| 105 | 179.0 | 89.6  | 129.6# |
| 106 | 28.2  | 84.6  | 124.6# |

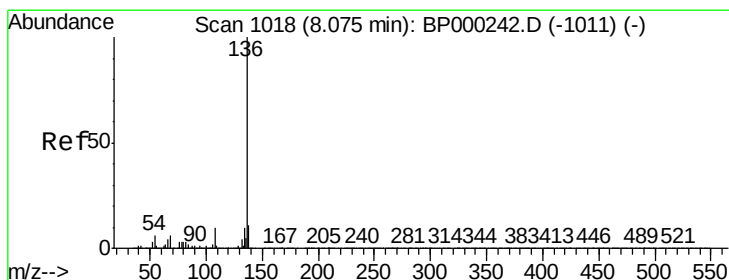
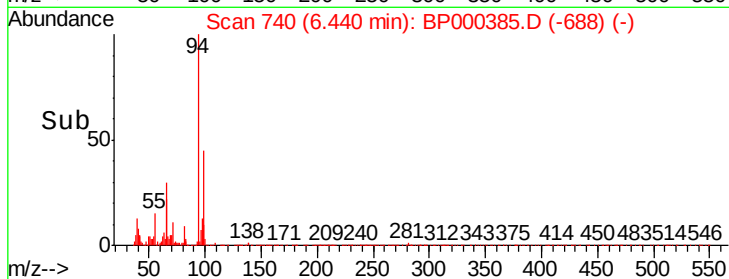
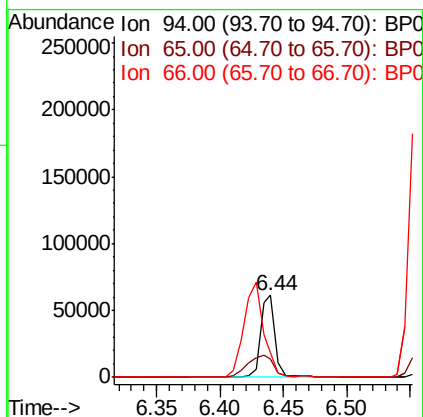
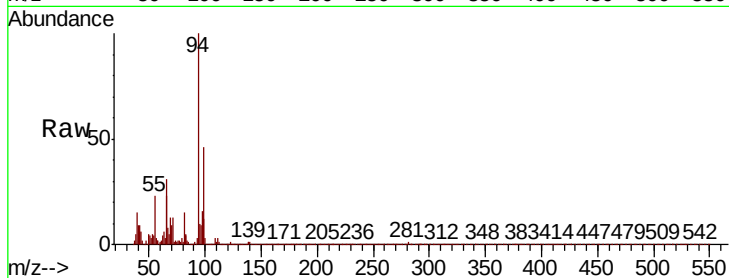




#10  
Phenol  
Concen: 2.652 ng  
RT: 6.44 min Scan# 740  
Delta R.T. 0.01 min  
Lab File: BP000385.D  
Acq: 24 Sep 2019 15:47

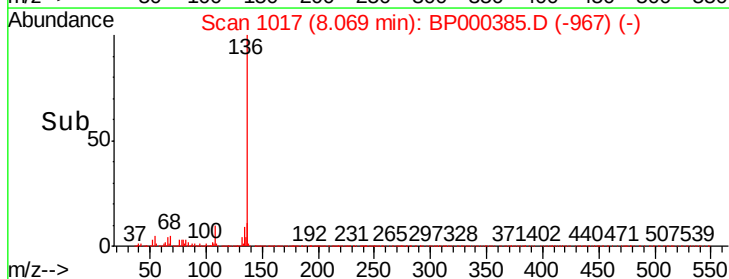
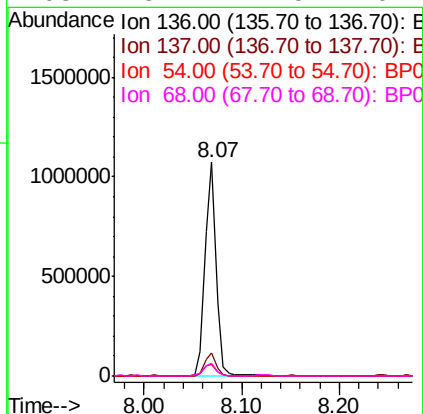
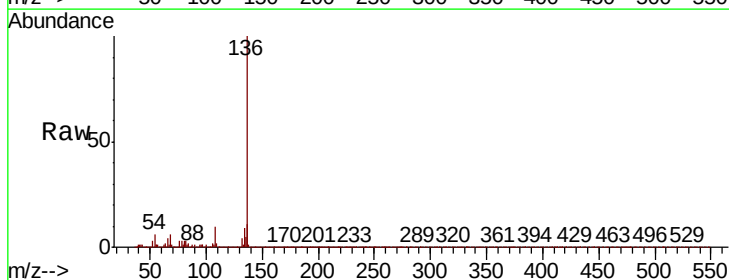
Instrument :  
BNA\_P  
ClientSampled :

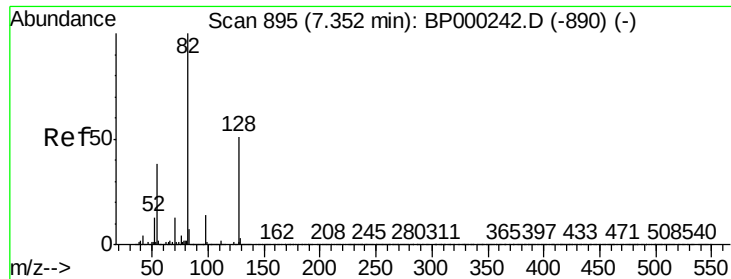
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 49519 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 22.9  | 3.3   | 43.3  |
| 66       | 30.6  | 12.7  | 52.7  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.07 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: BP000385.D  
Acq: 24 Sep 2019 15:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 844785 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.6   | 13.0   |
| 54       | 5.5   | 4.5   | 6.7    |
| 68       | 5.7   | 4.5   | 6.7    |

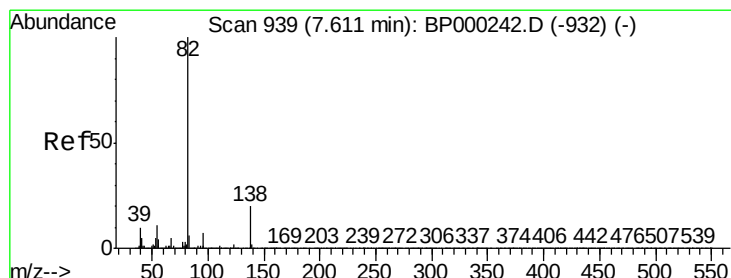
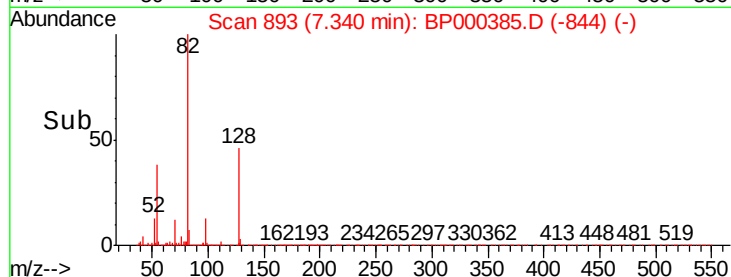
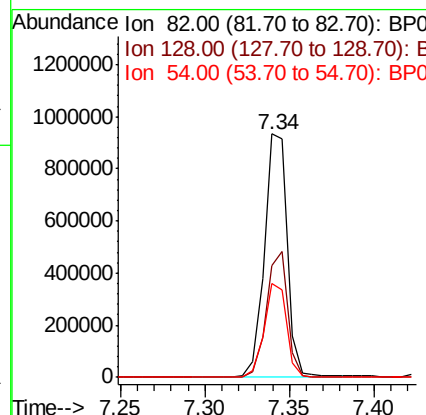
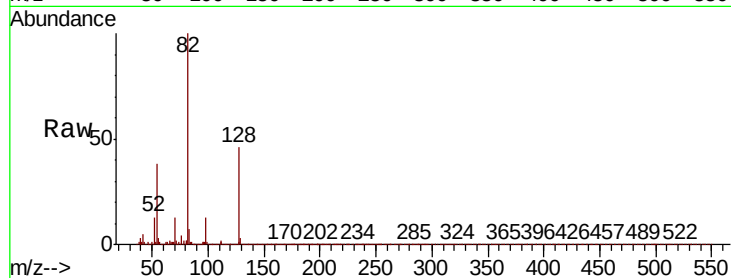




#23  
 Nitrobenzene-d5  
 Concen: 66.923 ng  
 RT: 7.34 min Scan# 893  
 Delta R.T. -0.01 min  
 Lab File: BP000385.D  
 Acq: 24 Sep 2019 15:47

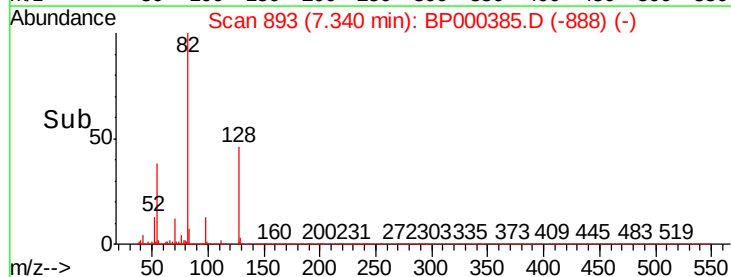
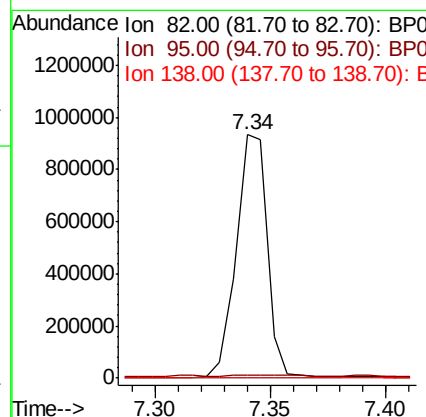
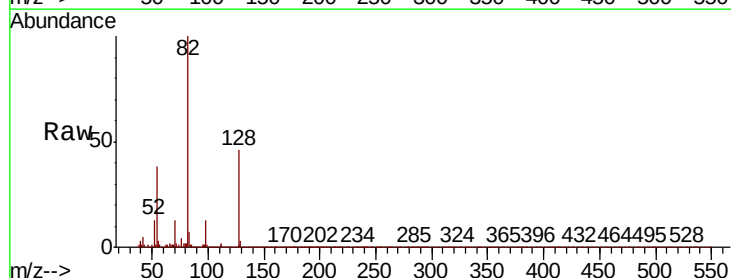
Instrument :  
 BNA\_P  
 ClientSampleId :

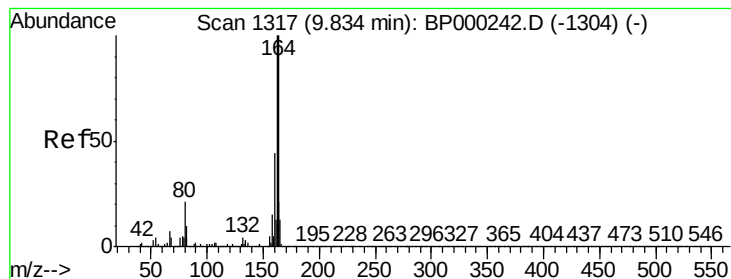
| Tot Ion   | 82    | Resp  | 876255 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.8  | 40.7  | 61.1   |
| 54        | 38.3  | 30.1  | 45.1   |



#25  
 Isophorone  
 Concen: 33.410 ng  
 RT: 7.34 min Scan# 893  
 Delta R.T. -0.27 min  
 Lab File: BP000385.D  
 Acq: 24 Sep 2019 15:47

| Tgt Ion   | 82    | Resp  | 866210 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 1.2   | 5.9   | 8.9#   |
| 138       | 0.1   | 15.9  | 23.9#  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BP000385.D

Acq: 24 Sep 2019 15:47

Instrument :

BNA\_P

ClientSampleId :

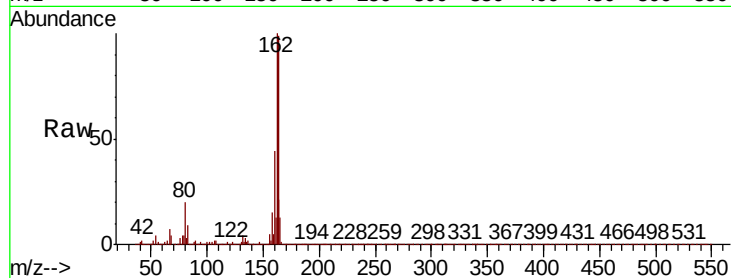
Tot Ion:164 Resp: 472997

Ion Ratio Lower Upper

164 100

162 101.5 79.9 119.9

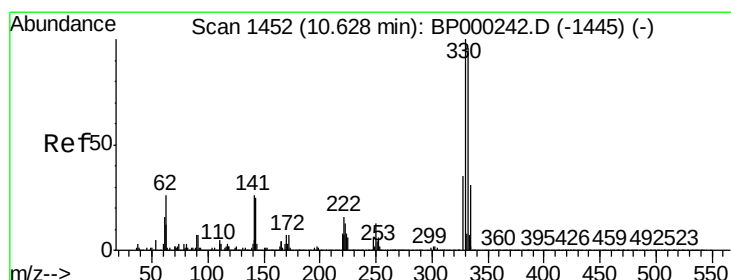
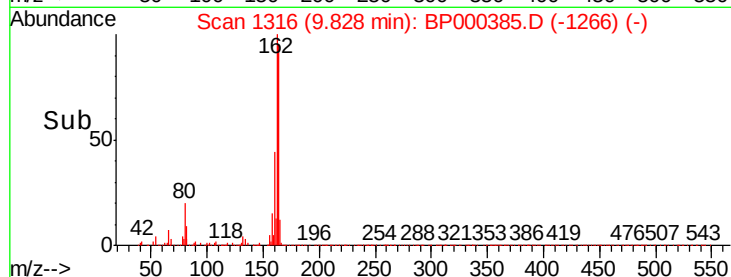
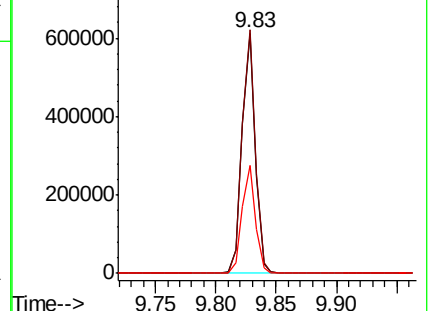
160 45.1 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 91.395 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BP000385.D

Acq: 24 Sep 2019 15:47

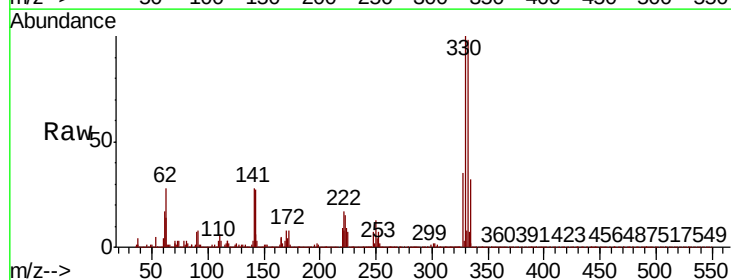
Tgt Ion:330 Resp: 428781

Ion Ratio Lower Upper

330 100

332 97.2 76.6 115.0

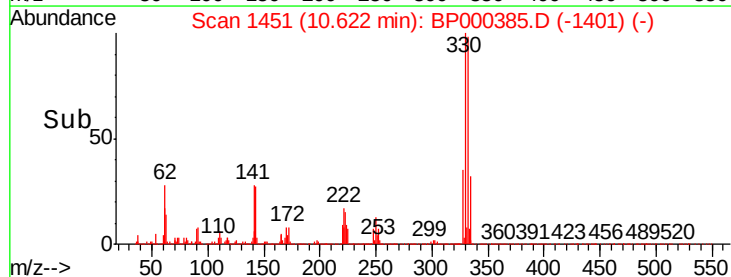
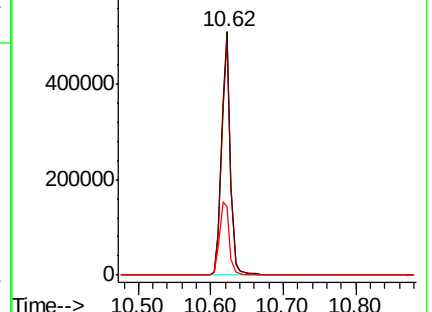
141 33.7 26.5 39.7

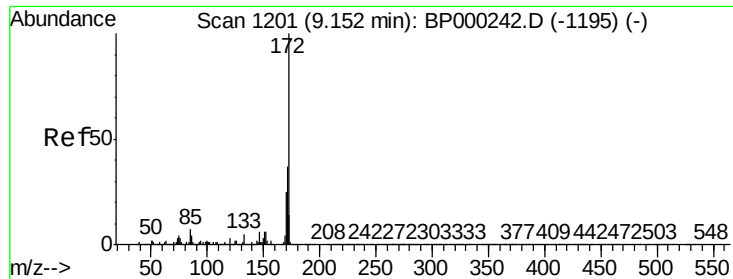


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

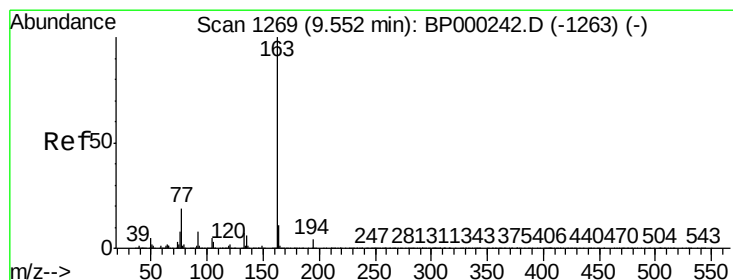
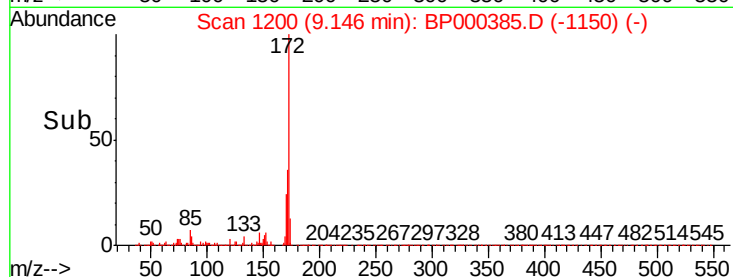
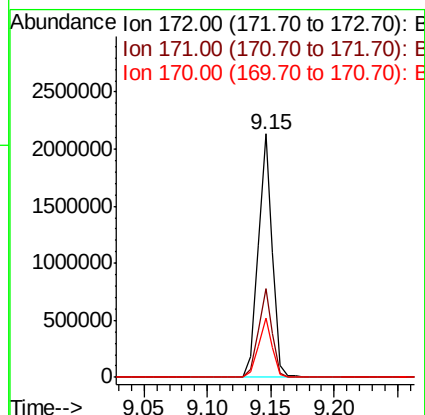
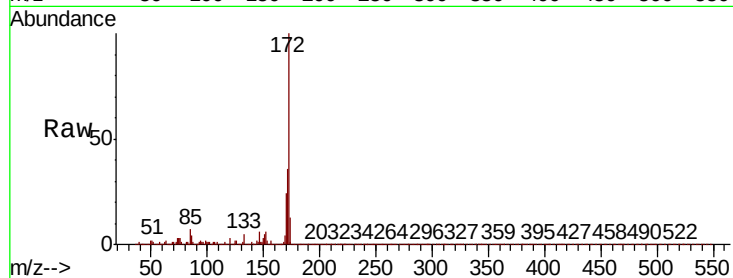




#45  
2-Fluorobiphenyl  
Concen: 63.543 ng  
RT: 9.15 min Scan# 1200  
Delta R.T. -0.01 min  
Lab File: BP000385.D  
Acq: 24 Sep 2019 15:47

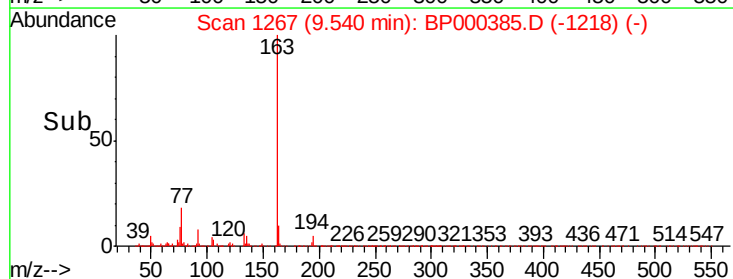
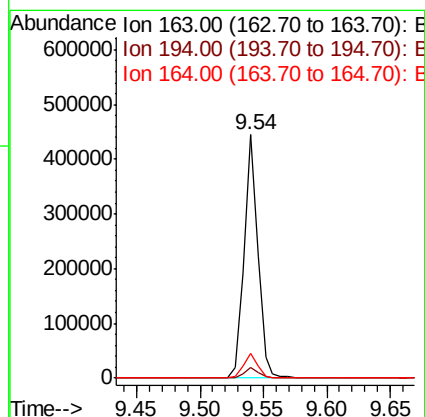
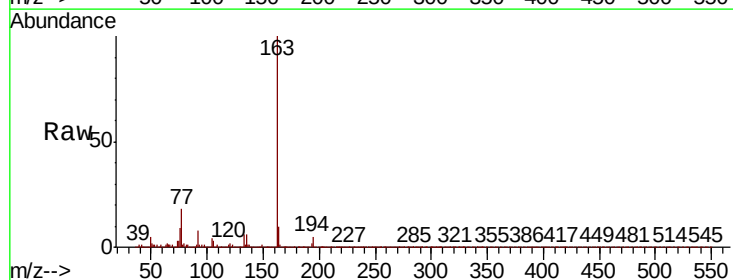
Instrument :  
BNA\_P  
ClientSampled :

Tot Ion:172 Resp: 1669937  
Ion Ratio Lower Upper  
172 100  
171 36.2 29.8 44.6  
170 24.1 19.8 29.6

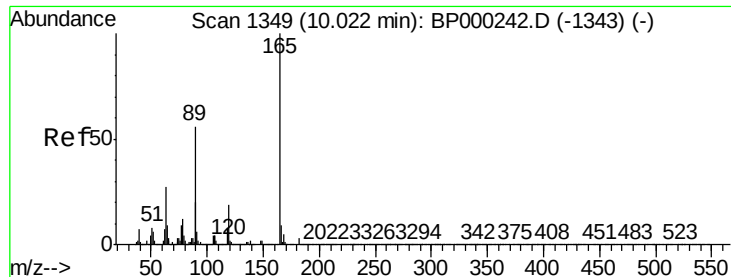


#50  
Dimethylphthalate  
Concen: 10.240 ng  
RT: 9.54 min Scan# 1267  
Delta R.T. -0.01 min  
Lab File: BP000385.D  
Acq: 24 Sep 2019 15:47

Tgt Ion:163 Resp: 329978  
Ion Ratio Lower Upper  
163 100  
194 4.6 3.4 5.0  
164 10.3 8.5 12.7







#57

2,4-Dinitrotoluene

Concen: 6.682 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BP000385.D

Acq: 24 Sep 2019 15:47

Instrument :

BNA\_P

ClientSampleId :

Tot Ion:165 Resp: 61896

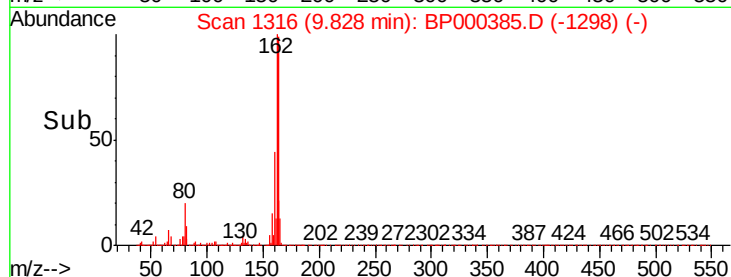
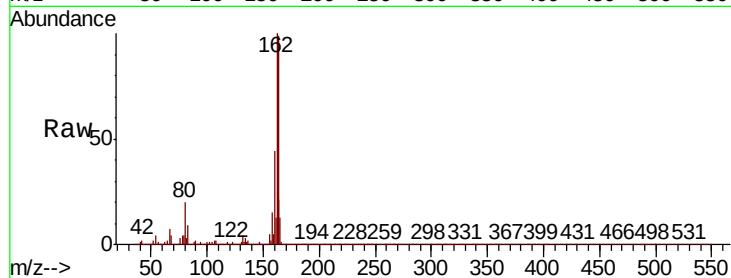
Ion Ratio Lower Upper

165 100

63 0.9 21.7 32.5#

89 1.4 45.0 67.6#

182 0.1 2.4 3.6#

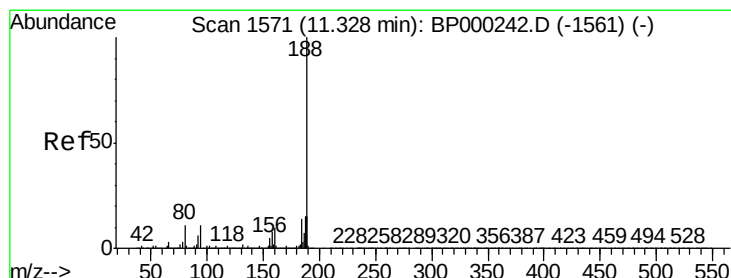
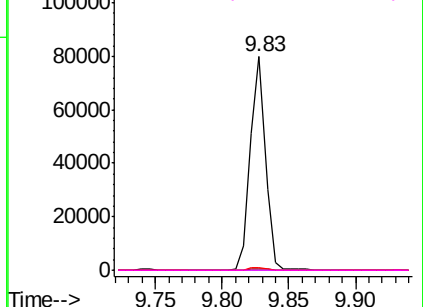


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BP000385.D

Acq: 24 Sep 2019 15:47

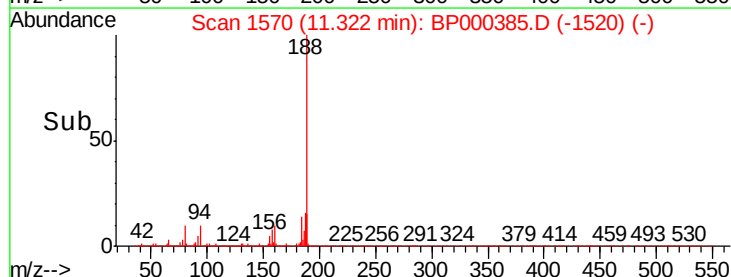
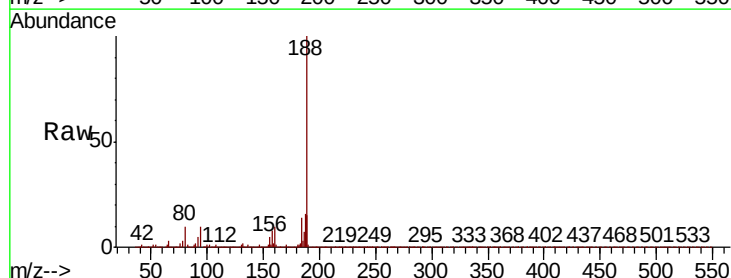
Tgt Ion:188 Resp: 899964

Ion Ratio Lower Upper

188 100

94 9.6 8.5 12.7

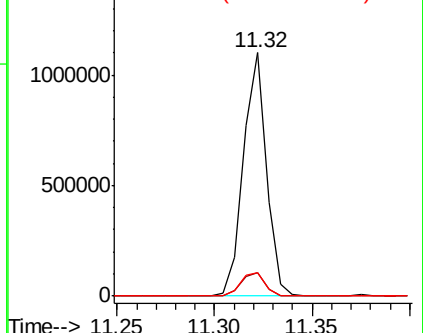
80 9.7 8.6 13.0

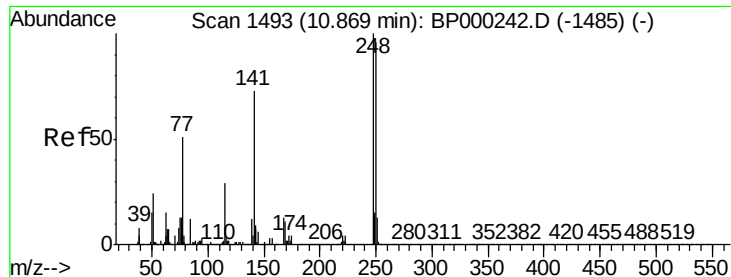


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

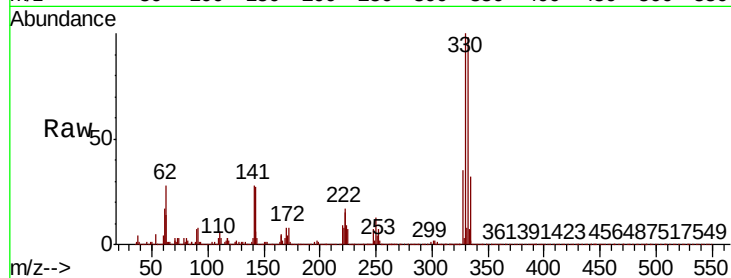




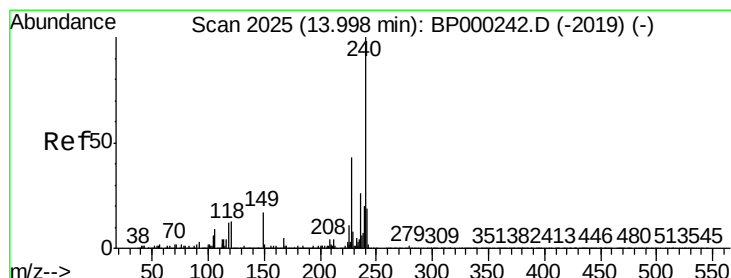
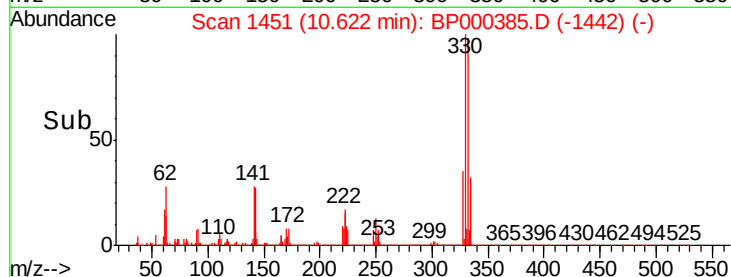
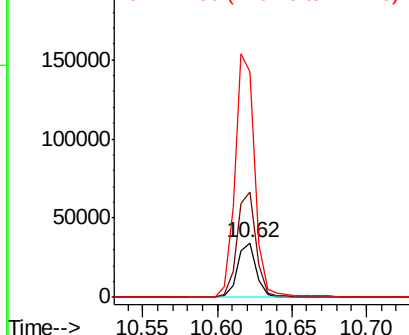
#67  
4-Bromophenyl-phenylether  
Concen: 2.990 ng  
RT: 10.62 min Scan# 1451  
Delta R.T. -0.25 min  
Lab File: BP000385.D  
Acq: 24 Sep 2019 15:47

Instrument :  
BNA\_P  
ClientSampleId :

Tot Ion:248 Resp: 30426  
Ion Ratio Lower Upper  
248 100  
250 192.1 77.0 115.4#  
141 410.7 58.5 87.7#

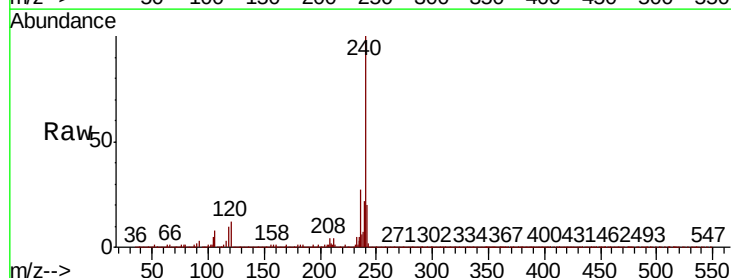


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

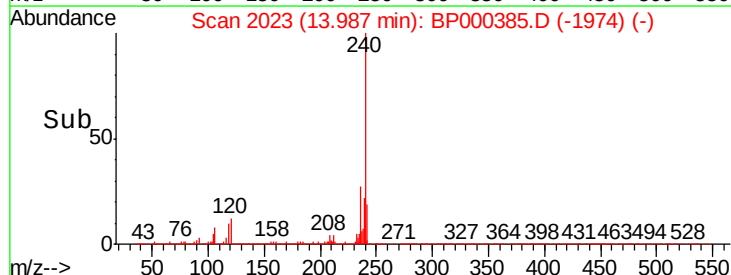
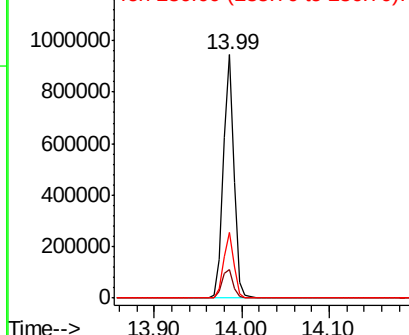


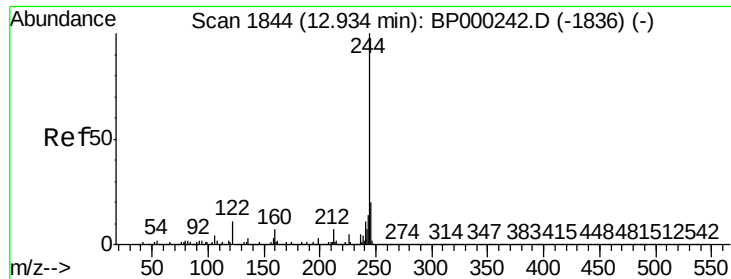
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.99 min Scan# 2023  
Delta R.T. -0.01 min  
Lab File: BP000385.D  
Acq: 24 Sep 2019 15:47

Tgt Ion:240 Resp: 801704  
Ion Ratio Lower Upper  
240 100  
120 11.6 10.4 15.6  
236 27.1 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



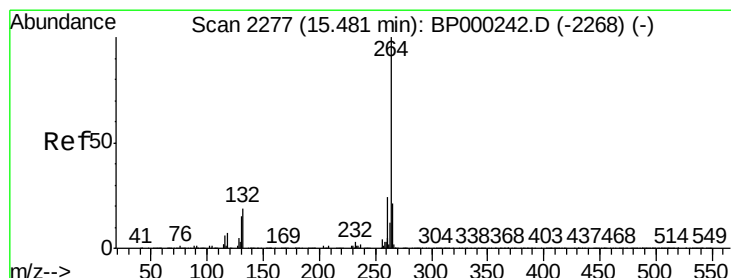
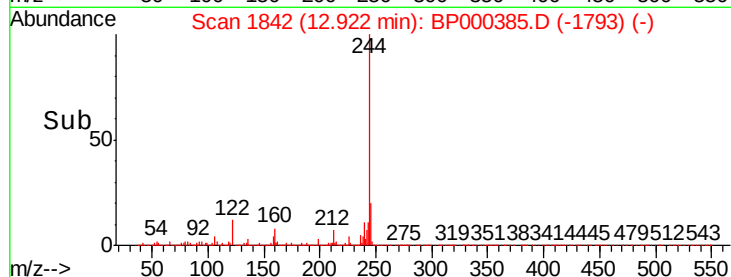
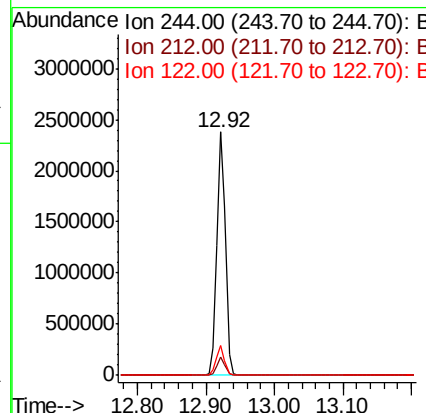
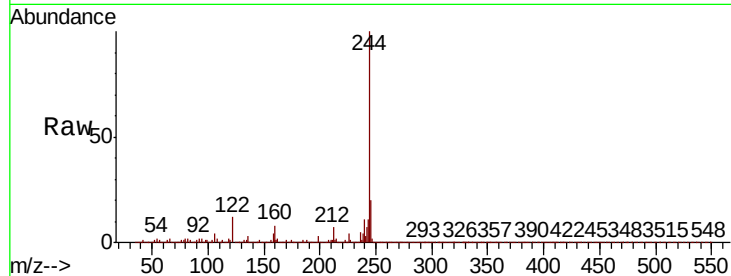


#79  
 Terphenyl-d14  
 Concen: 53.934 ng  
 RT: 12.92 min Scan# 1842  
 Delta R.T. -0.01 min  
 Lab File: BP000385.D  
 Acq: 24 Sep 2019 15:47

Instrument :  
 BNA\_P  
 ClientSampleID :

Tot Ion:244 Resp: 2061118  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.3   | 5.9   | 8.9   |
| 122 | 12.1  | 9.0   | 13.4  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.46 min Scan# 2274  
 Delta R.T. -0.02 min  
 Lab File: BP000385.D  
 Acq: 24 Sep 2019 15:47

Tgt Ion:264 Resp: 885523  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.9  | 18.9  | 28.3  |
| 265 | 21.8  | 17.2  | 25.8  |

