

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061720\  
 Data File : BP002425.D  
 Acq On : 17 Jun 2020 18:35  
 Operator : CG/JU  
 Sample : L3020-09  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 FD-02\_061620

Quant Time: Jun 18 00:48:49 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 15:08:53 2020  
 Response via : Initial Calibration

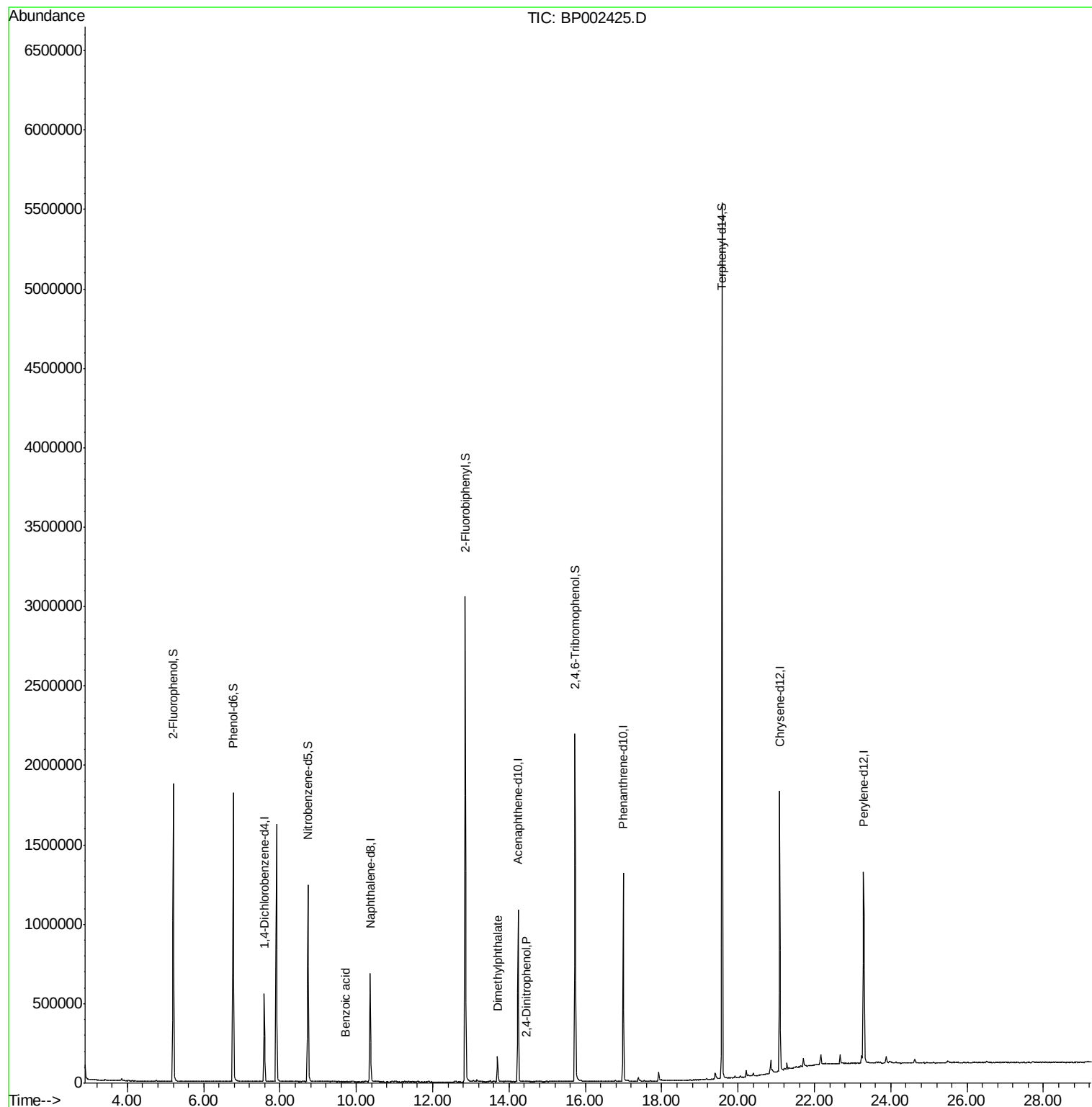
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.59  | 152  | 142031   | 20.00     | ng       | 0.00     |
| 21) Naphthalene-d8             | 10.36 | 136  | 582985   | 20.00     | ng       | 0.00     |
| 39) Acenaphthene-d10           | 14.23 | 164  | 358043   | 20.00     | ng       | 0.00     |
| 64) Phenanthrene-d10           | 16.99 | 188  | 792978   | 20.00     | ng       | 0.00     |
| 76) Chrysene-d12               | 21.09 | 240  | 803312   | 20.00     | ng       | -0.02    |
| 86) Perylene-d12               | 23.29 | 264  | 847607   | 20.00     | ng       | -0.01    |
| System Monitoring Compounds    |       |      |          |           |          |          |
| 5) 2-Fluorophenol              | 5.20  | 112  | 799732   | 104.19    | ng       | 0.00     |
| 7) Phenol-d6                   | 6.77  | 99   | 1089292  | 106.59    | ng       | -0.01    |
| 23) Nitrobenzene-d5            | 8.73  | 82   | 718394   | 73.59     | ng       | -0.01    |
| 42) 2,4,6-Tribromophenol       | 15.73 | 330  | 383816   | 111.96    | ng       | 0.00     |
| 45) 2-Fluorobiphenyl           | 12.85 | 172  | 1637888  | 76.92     | ng       | 0.00     |
| 79) Terphenyl-d14              | 19.58 | 244  | 2523535  | 78.68     | ng       | 0.00     |
| Target Compounds               |       |      |          |           |          |          |
| 9) Benzaldehyde                | 6.73  | 77   | 76       | Below Cal | Qvalue # | 22       |
| 32) Benzoic acid               | 9.72  | 122  | 19       | 4.602 ng  | #        | 1        |
| 50) Dimethylphthalate          | 13.70 | 163  | 118511   | 4.831 ng  |          | 100      |
| 54) 2,4-Dinitrophenol          | 14.43 | 184  | 14       | 2.790 ng  |          | 94       |
| 61) 4-Chlorophenyl-phenylether | 15.29 | 204  | 14       | Below Cal | #        | 66       |

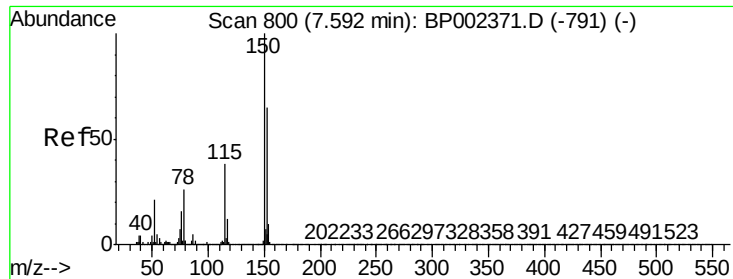
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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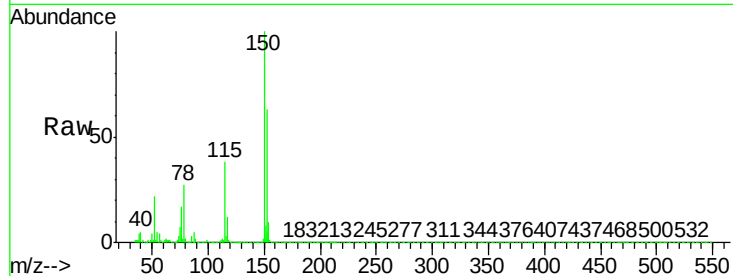


#1

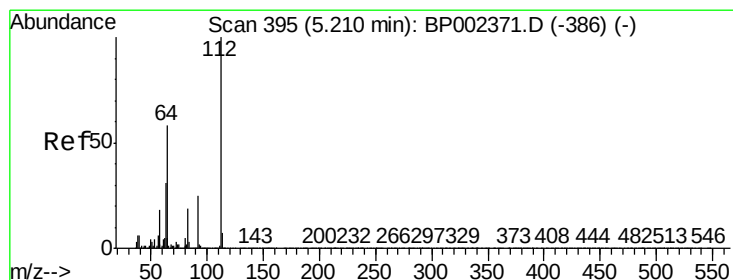
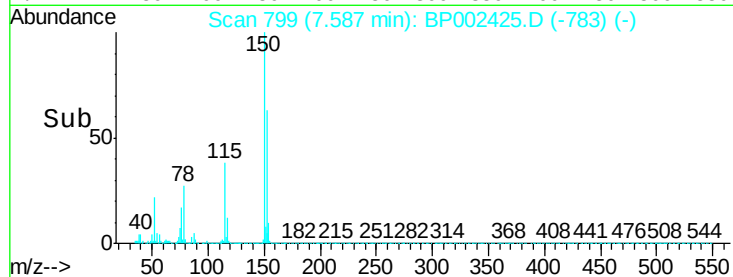
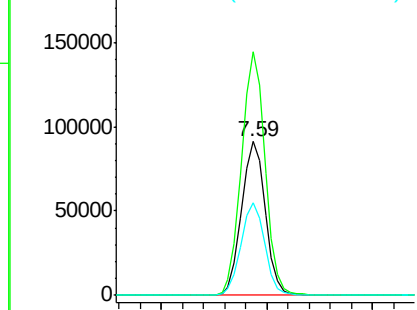
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.59 min Scan# 799  
Delta R.T. -0.01 min  
Lab File: BP002425.D  
Acq: 17 Jun 2020 18:35

Instrument :  
BNA\_P  
ClientSampleId :  
FD-02\_061620

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.4 | 124.0 | 186.0 |
| 115     | 60.3  | 47.4  | 71.0  |



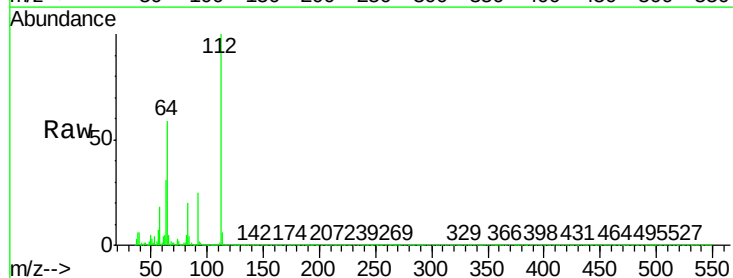
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



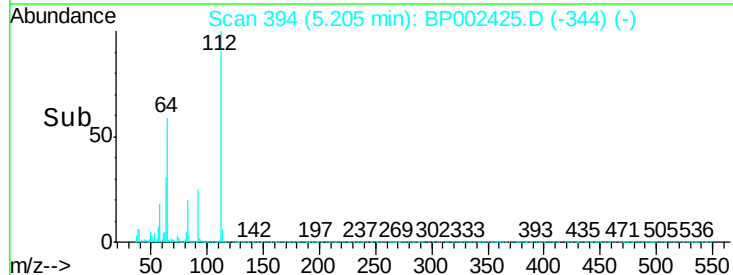
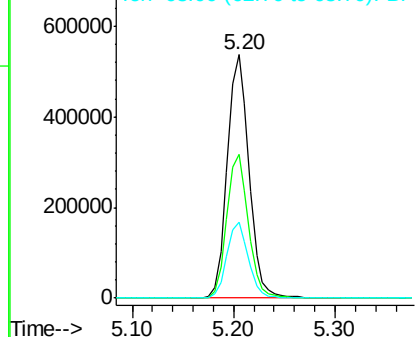
#5

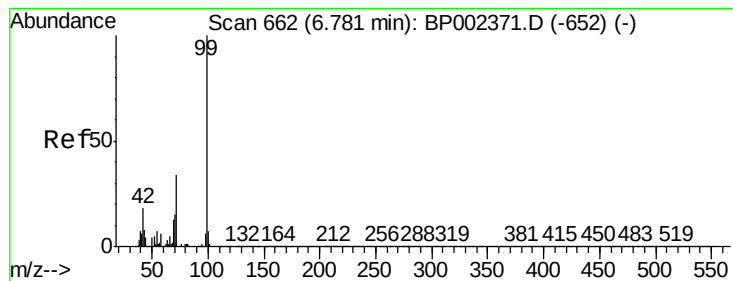
2-Fluorophenol  
Concen: 104.191 ng  
RT: 5.20 min Scan# 394  
Delta R.T. -0.01 min  
Lab File: BP002425.D  
Acq: 17 Jun 2020 18:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.1  | 46.2  | 69.2  |
| 63      | 31.0  | 24.5  | 36.7  |



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: 106.592 ng

RT: 6.77 min Scan# 660

Delta R.T. -0.01 min

Lab File: BP002425.D

Acq: 17 Jun 2020 18:35

Instrument :

BNA\_P

ClientSampleId :

FD-02\_061620

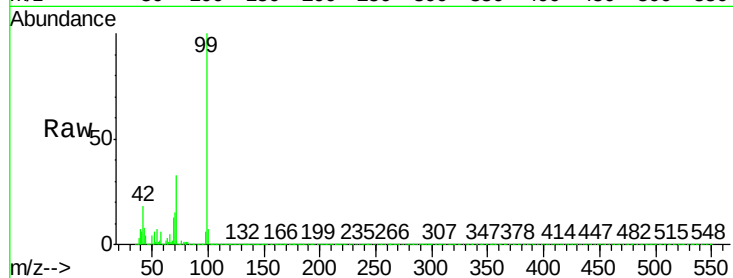
Tot Ion: 99 Resp: 1089292

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.6  | 14.6  | 22.0  |
| 71  | 33.1  | 27.2  | 40.8  |

99 100

42 17.6 14.6 22.0

71 33.1 27.2 40.8



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

6.77

800000

600000

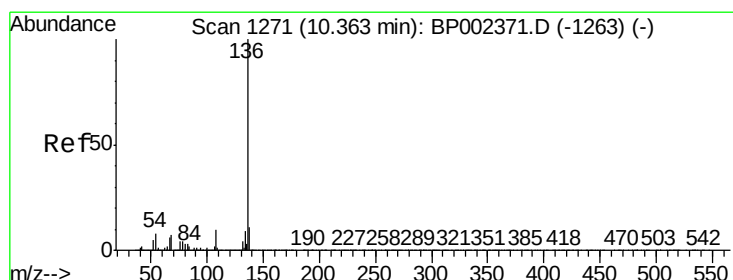
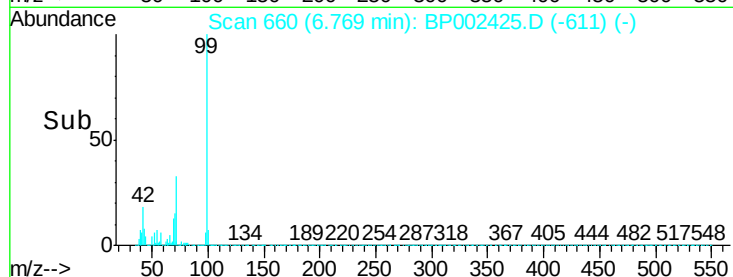
400000

200000

0

6.60 6.70 6.80 6.90 7.00

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.36 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BP002425.D

Acq: 17 Jun 2020 18:35

Tgt Ion: 136 Resp: 582985

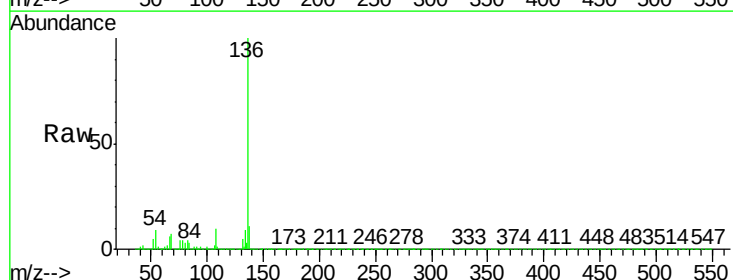
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 8.8   | 13.2  |
| 54  | 8.8   | 6.4   | 9.6   |
| 68  | 6.8   | 5.6   | 8.4   |

136 100

137 10.7 8.8 13.2

54 8.8 6.4 9.6

68 6.8 5.6 8.4



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): BP0

Ion 68.00 (67.70 to 68.70): BP0

10.36

500000

400000

300000

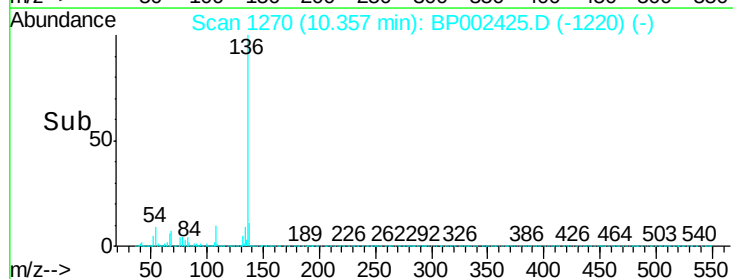
200000

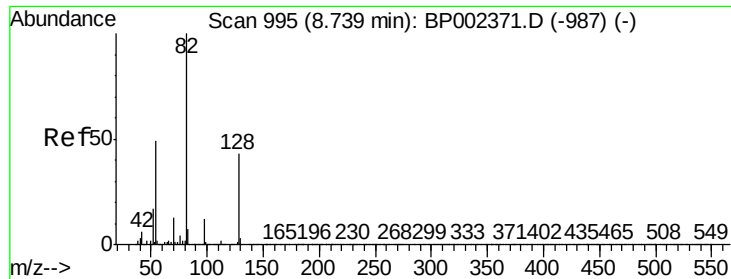
100000

0

10.20 10.40

Time-->

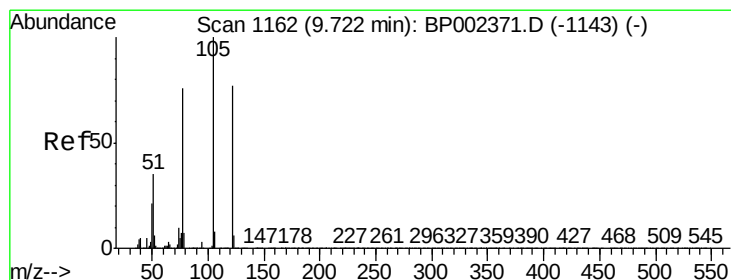
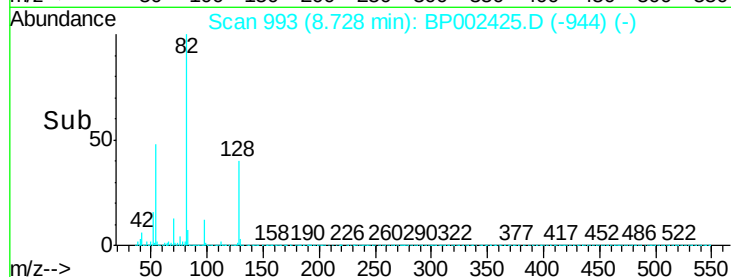
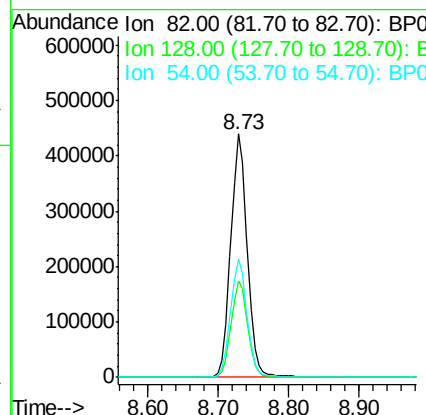
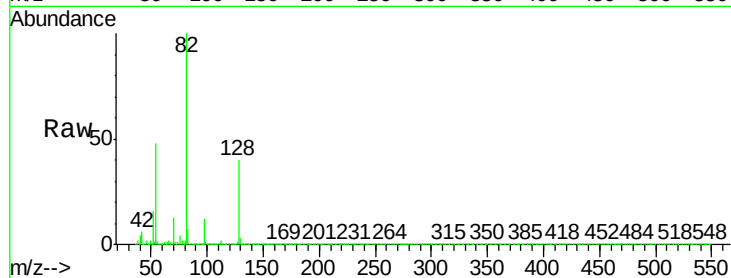




#23  
 Nitrobenzene-d5  
 Concen: 73.590 ng  
 RT: 8.73 min Scan# 993  
 Delta R.T. -0.01 min  
 Lab File: BP002425.D  
 Acq: 17 Jun 2020 18:35

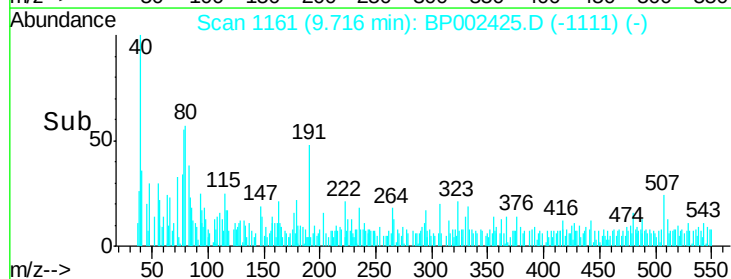
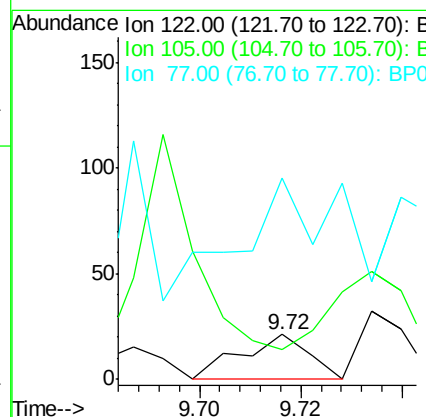
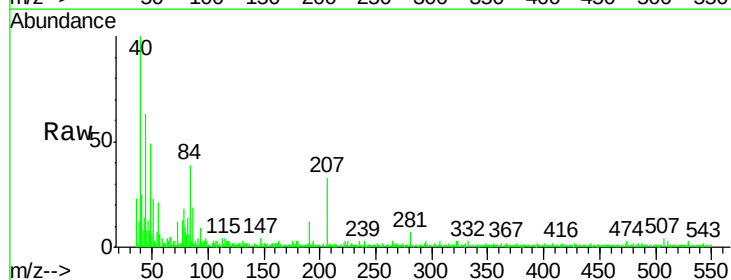
Instrument :  
 BNA\_P  
 ClientSampleId :  
 FD-02\_061620

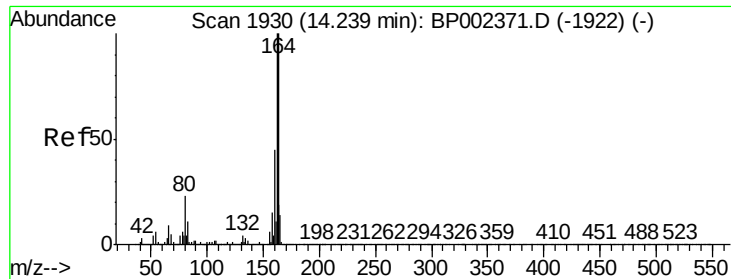
| Tot Ion   | 82    | Resp  | 718394 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 39.7  | 34.5  | 51.7   |
| 54        | 48.3  | 39.4  | 59.2   |



#32  
 Benzoic acid  
 Concen: 4.602 ng  
 RT: 9.72 min Scan# 1161  
 Delta R.T. -0.00 min  
 Lab File: BP002425.D  
 Acq: 17 Jun 2020 18:35

| Tgt Ion   | 122   | Resp  | 19     |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 66.7  | 106.3 | 146.3# |
| 77        | 452.4 | 77.5  | 117.5# |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.23 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BP002425.D

Acq: 17 Jun 2020 18:35

Instrument :

BNA\_P

ClientSampleId :

FD-02\_061620

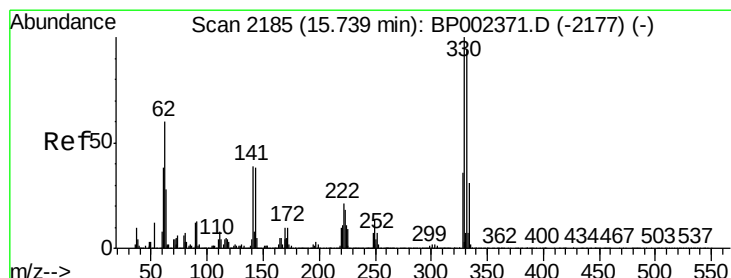
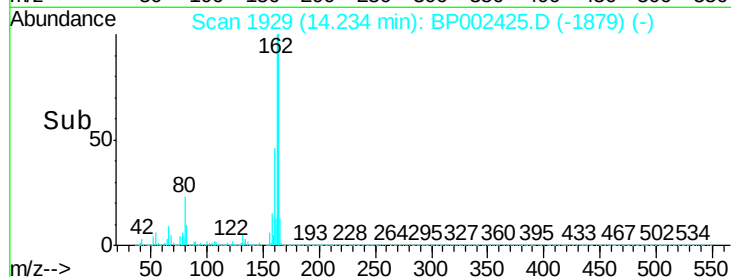
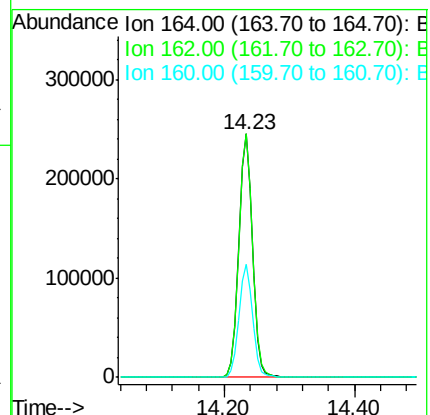
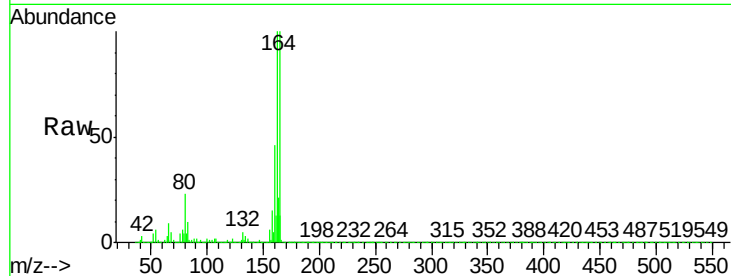
Tot Ion:164 Resp: 358043

Ion Ratio Lower Upper

164 100

162 100.0 79.8 119.8

160 46.5 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 111.965 ng

RT: 15.73 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BP002425.D

Acq: 17 Jun 2020 18:35

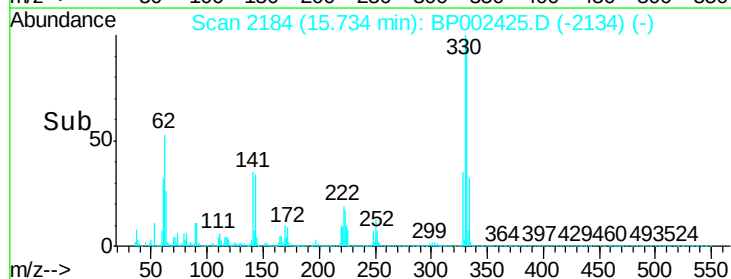
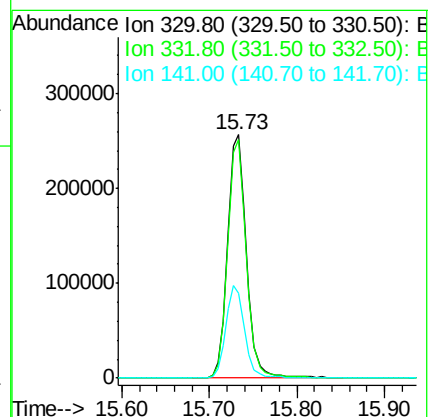
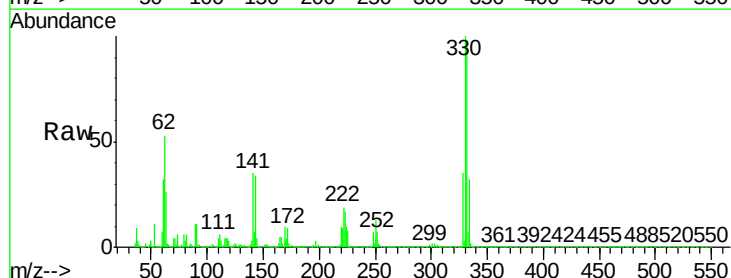
Tgt Ion:330 Resp: 383816

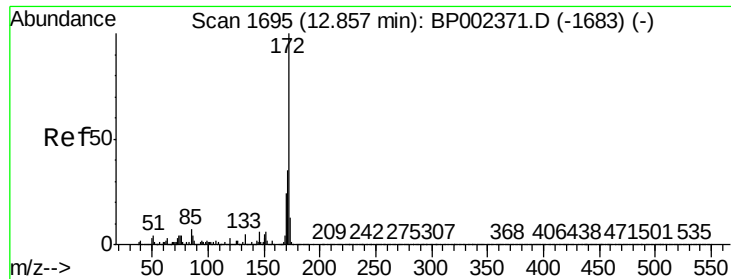
Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

141 38.1 30.3 45.5

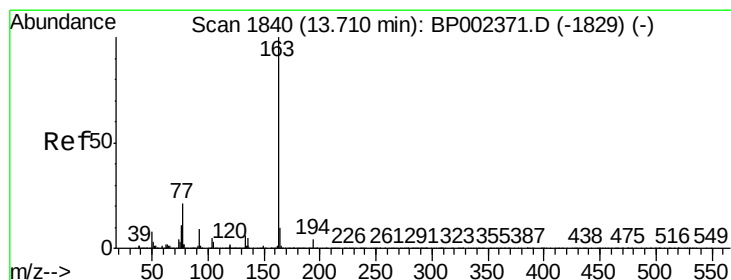
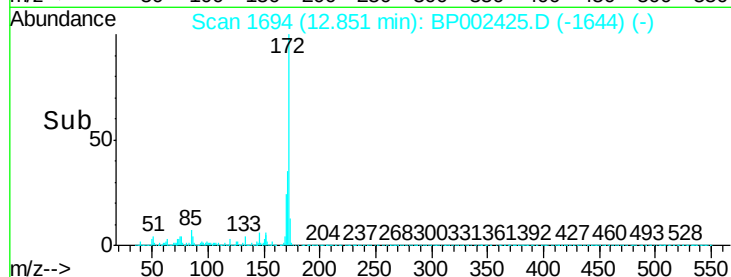
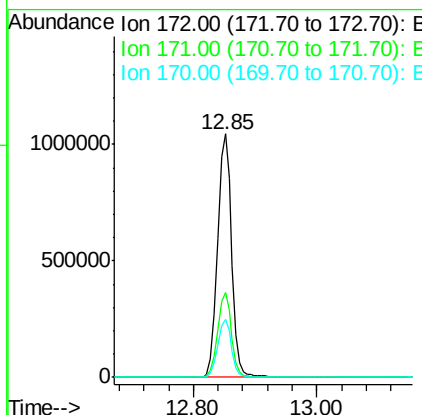
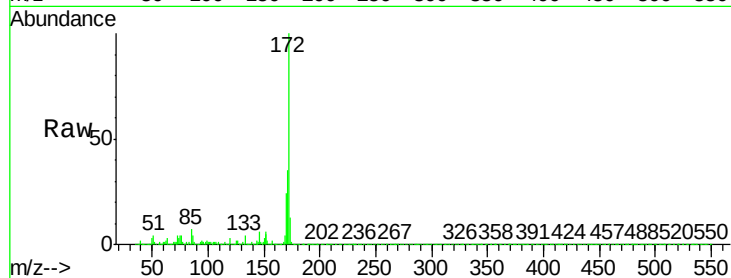




#45  
2-Fluorobiphenyl  
Concen: 76.917 ng  
RT: 12.85 min Scan# 1694  
Delta R.T. -0.00 min  
Lab File: BP002425.D  
Acq: 17 Jun 2020 18:35

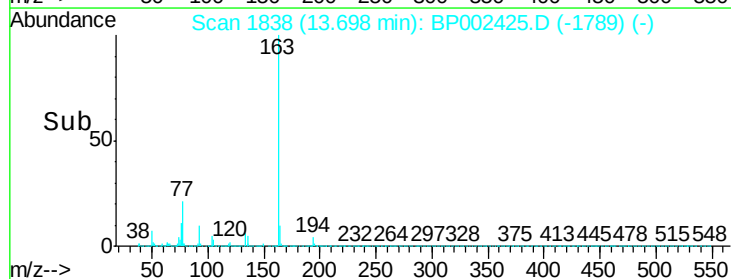
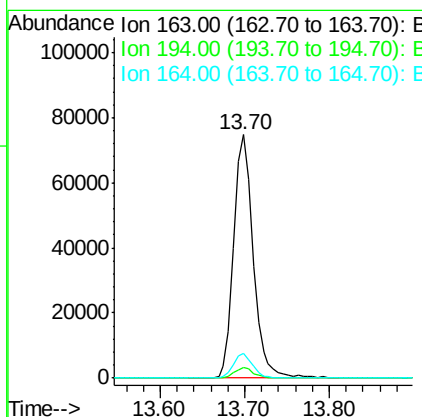
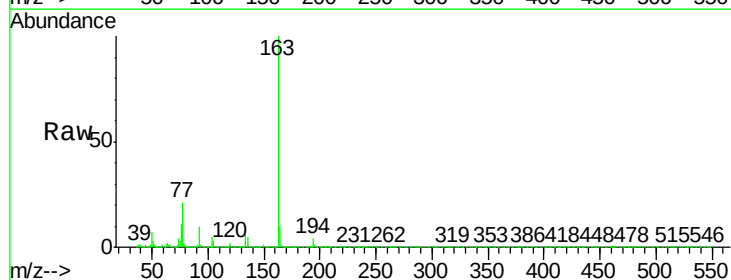
Instrument :  
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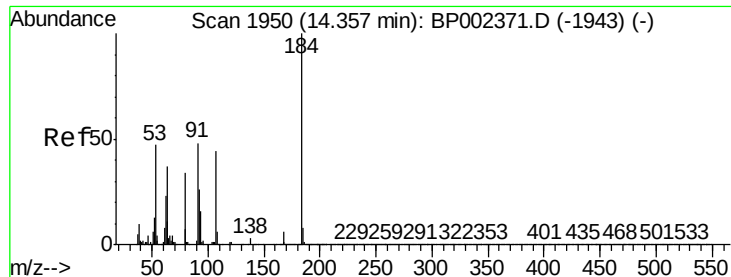
Tot Ion:172 Resp: 1637888  
Ion Ratio Lower Upper  
172 100  
171 34.7 27.8 41.8  
170 23.7 19.0 28.6



#50  
Dimethylphthalate  
Concen: 4.831 ng  
RT: 13.70 min Scan# 1838  
Delta R.T. -0.01 min  
Lab File: BP002425.D  
Acq: 17 Jun 2020 18:35

Tgt Ion:163 Resp: 118511  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.4 5.0  
164 10.2 8.1 12.1

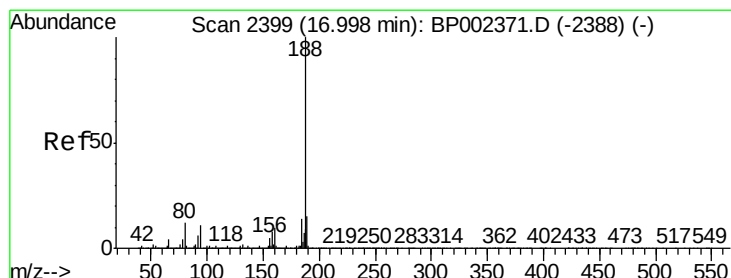
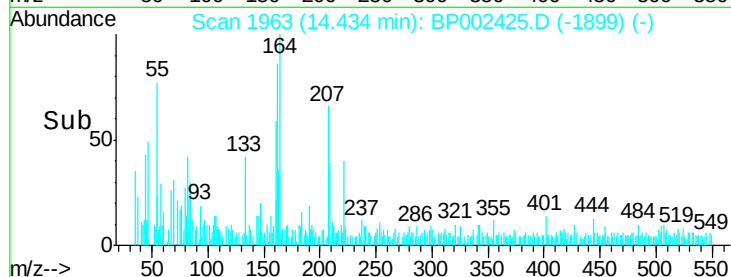
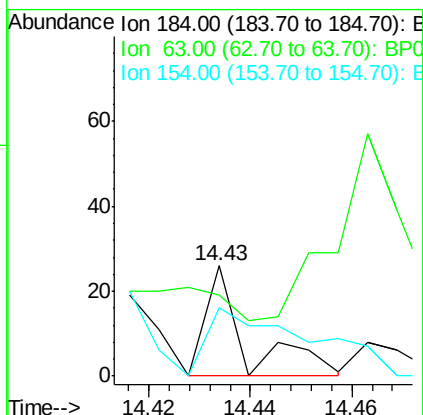
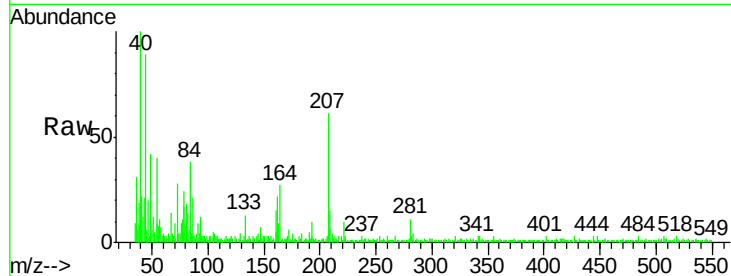




#54  
 2,4-Dinitrophenol  
 Concen: 2.790 ng  
 RT: 14.43 min Scan# 1963  
 Delta R.T. 0.08 min  
 Lab File: BP002425.D  
 Acq: 17 Jun 2020 18:35

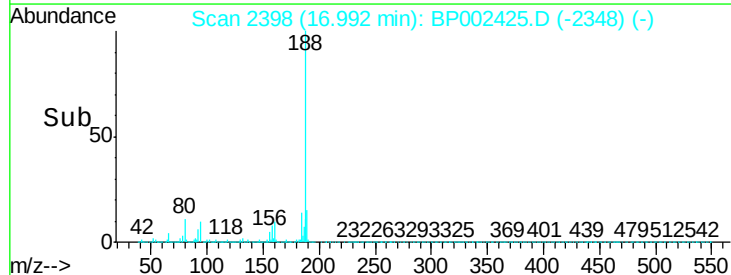
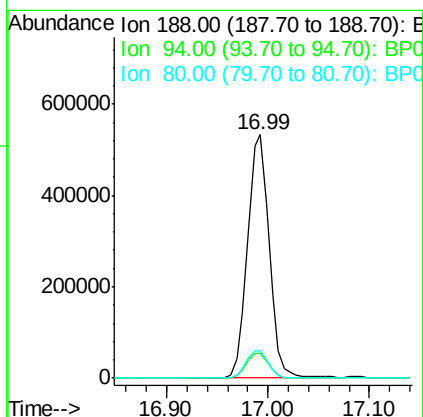
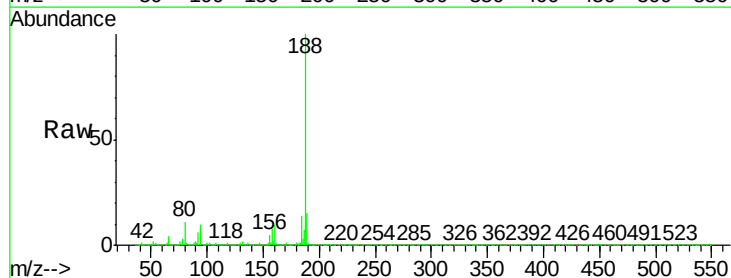
Instrument :  
 BNA\_P  
 ClientSampleId :  
 FD-02\_061620

Tot Ion:184 Resp: 14  
 Ion Ratio Lower Upper  
 184 100  
 63 73.1 52.3 78.5  
 154 61.5 48.6 72.8

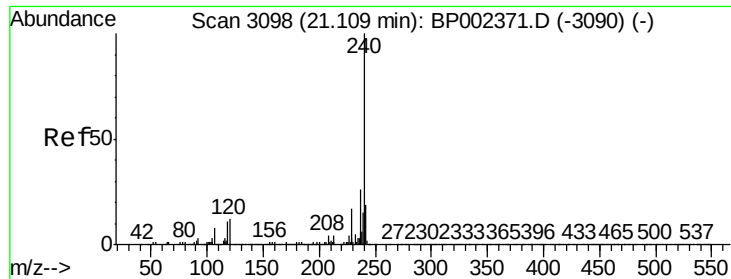


#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 16.99 min Scan# 2398  
 Delta R.T. -0.01 min  
 Lab File: BP002425.D  
 Acq: 17 Jun 2020 18:35

Tgt Ion:188 Resp: 792978  
 Ion Ratio Lower Upper  
 188 100  
 94 10.2 8.5 12.7  
 80 11.3 9.4 14.0



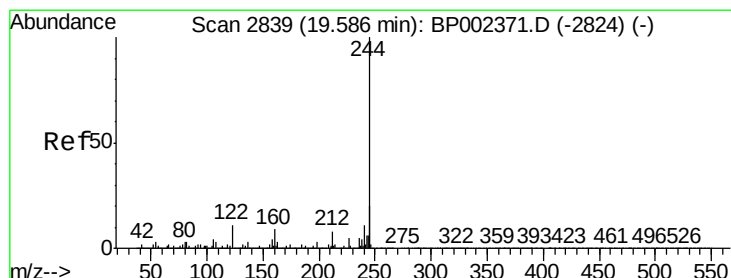
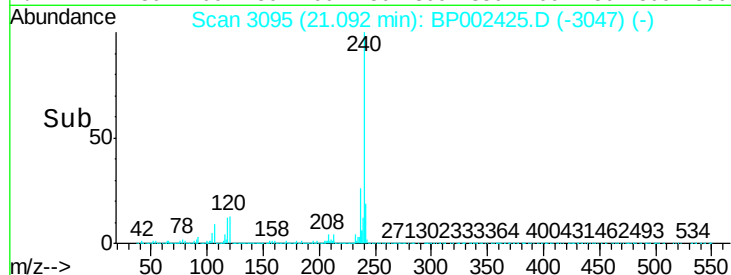
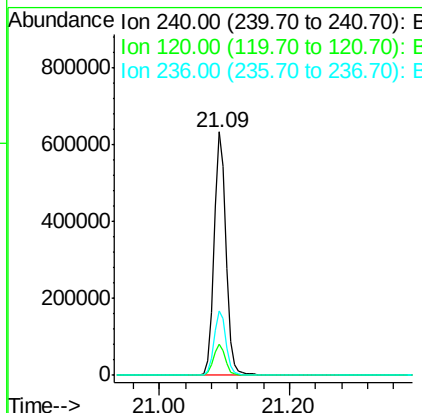
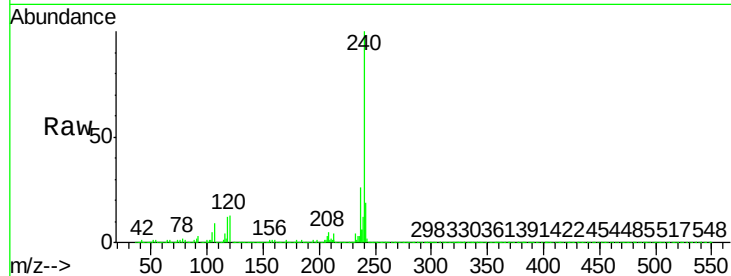




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.09 min Scan# 3095  
Delta R.T. -0.02 min  
Lab File: BP002425.D  
Acq: 17 Jun 2020 18:35

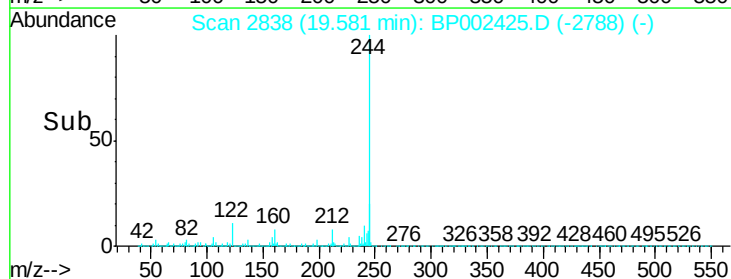
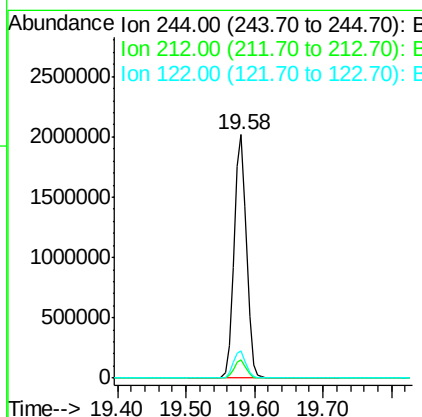
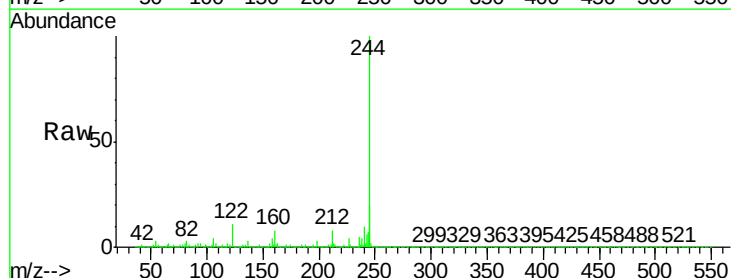
Instrument :  
BNA\_P  
ClientSampleId :  
FD-02\_061620

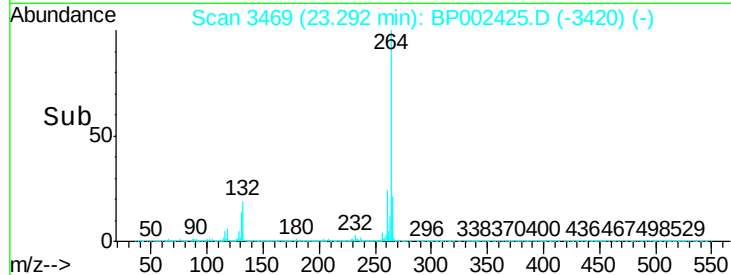
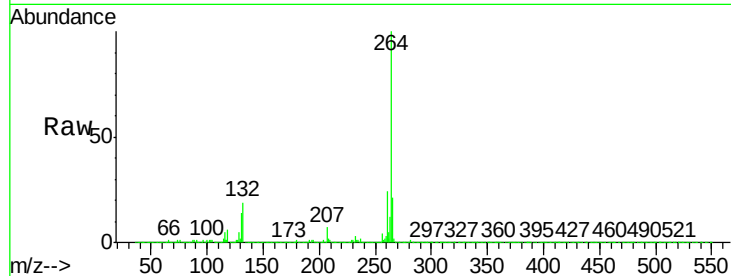
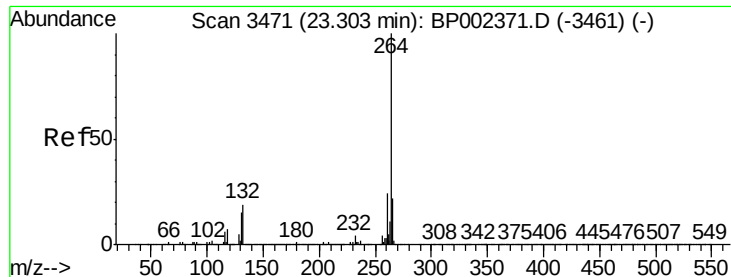
Tot Ion:240 Resp: 803312  
Ion Ratio Lower Upper  
240 100  
120 12.6 9.3 13.9  
236 26.2 21.0 31.6



#79  
Terphenyl-d14  
Concen: 78.682 ng  
RT: 19.58 min Scan# 2838  
Delta R.T. -0.00 min  
Lab File: BP002425.D  
Acq: 17 Jun 2020 18:35

Tgt Ion:244 Resp: 2523535  
Ion Ratio Lower Upper  
244 100  
212 7.7 6.6 10.0  
122 11.0 8.8 13.2





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.29 min Scan# 3469  
Delta R.T. -0.01 min  
Lab File: BP002425.D  
Acq: 17 Jun 2020 18:35

Instrument :  
BNA\_P  
ClientSampleId :  
FD-02\_061620

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 847607 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.8  | 19.4  | 29.0   |
| 265      | 20.8  | 17.4  | 26.2   |

