

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP090820\  
 Data File : BP003226.D  
 Acq On : 08 Sep 2020 14:29  
 Operator : CG/JU  
 Sample : PB131465BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB131465BL

Quant Time: Sep 08 15:00:18 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 01 14:37:05 2020  
 Response via : Initial Calibration

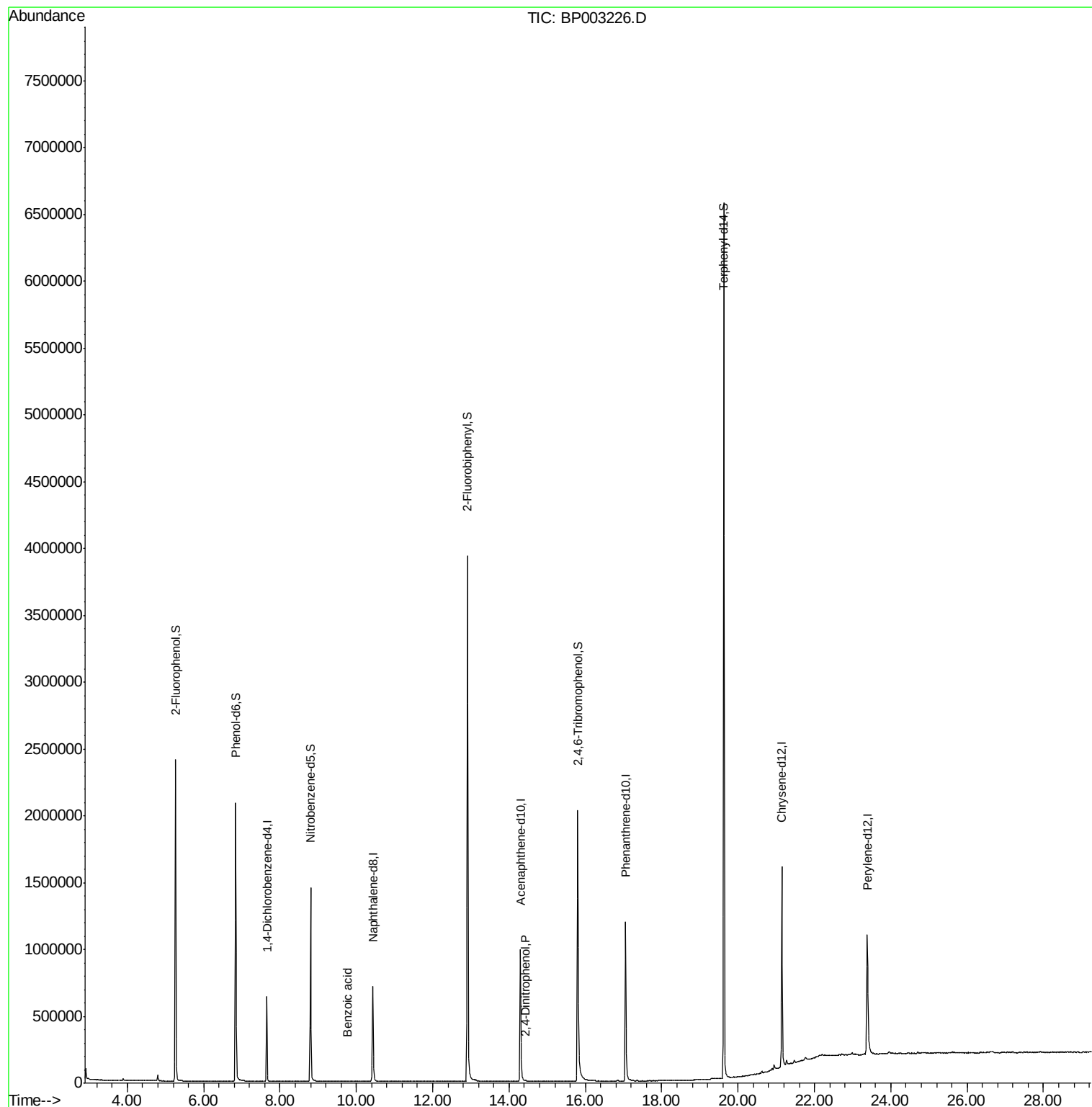
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.65  | 152  | 187693   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.43 | 136  | 734660   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.30 | 164  | 425707   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.05 | 188  | 878414   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.14 | 240  | 833358   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.39 | 264  | 858405   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 1228343  | 115.71 | ng    | 0.00     |
| 7) Phenol-d6                | 6.84  | 99   | 1421765  | 106.84 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.80  | 82   | 872099   | 85.58  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.80 | 330  | 601346   | 104.44 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.92 | 172  | 2430057  | 83.60  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.63 | 244  | 2964898  | 78.29  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 9.76  | 122  | 82       | 9.006  | ng    | # 57     |
| 54) 2,4-Dinitrophenol       | 14.43 | 184  | 15       | 7.759  | ng    | # 5      |

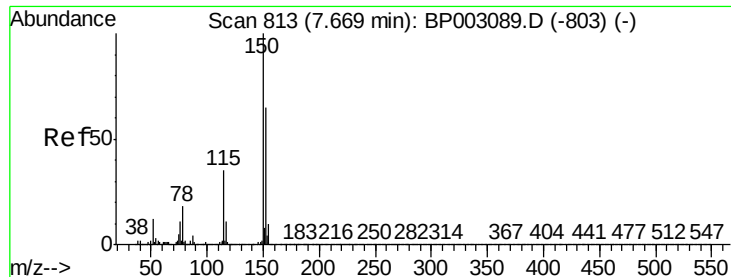
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 01 14:37:05 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.65 min Scan# 810

Delta R.T. -0.00 min

Lab File: BP003226.D

Acq: 08 Sep 2020 14:29

Instrument :

BNA\_P

ClientSampleId :

PB131465BL

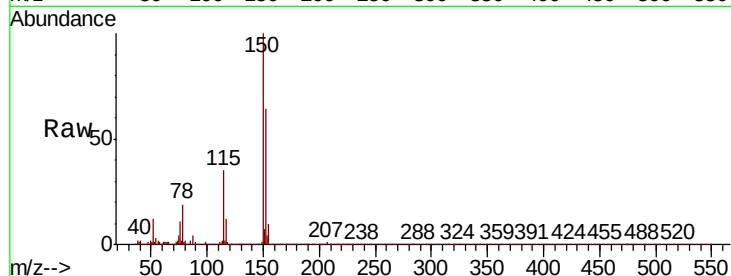
Tot Ion:152 Resp: 187693

Ion Ratio Lower Upper

152 100

150 156.2 123.8 185.6

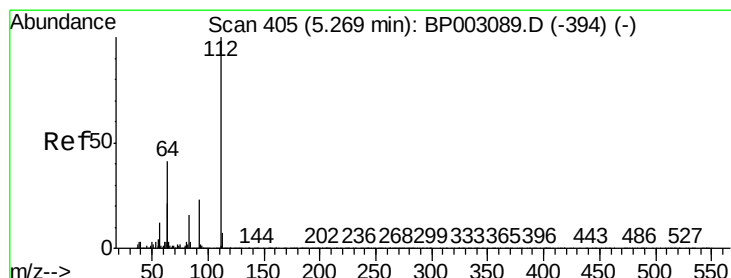
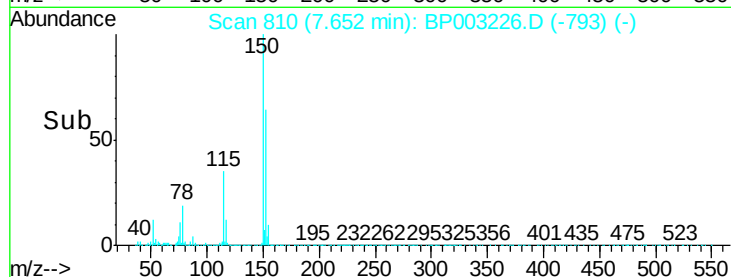
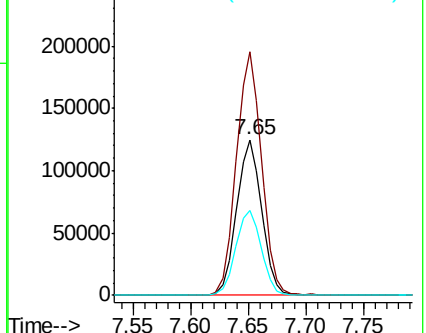
115 54.2 43.8 65.6



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: 115.707 ng

RT: 5.26 min Scan# 404

Delta R.T. -0.00 min

Lab File: BP003226.D

Acq: 08 Sep 2020 14:29

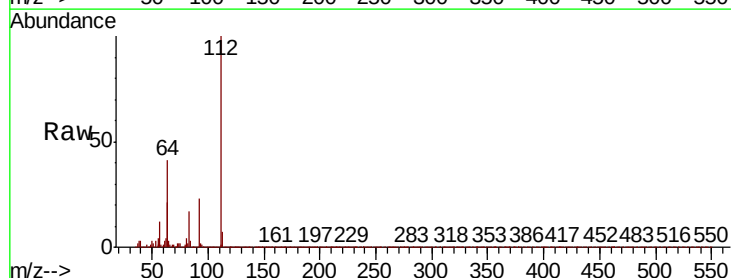
Tgt Ion:112 Resp: 1228343

Ion Ratio Lower Upper

112 100

64 41.1 32.8 49.2

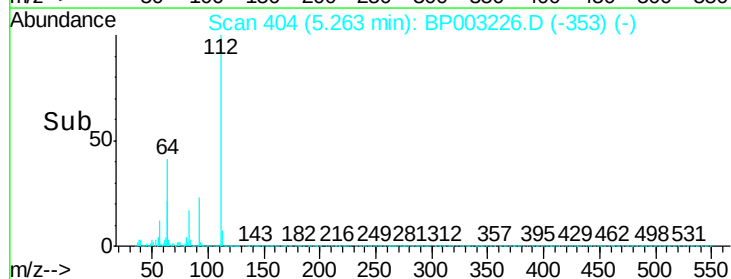
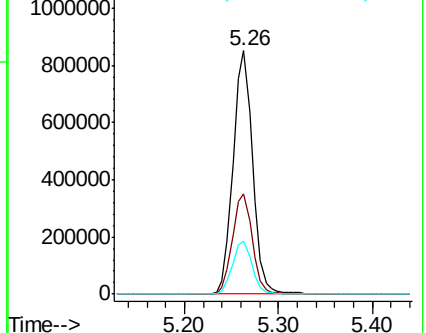
63 21.5 17.0 25.4

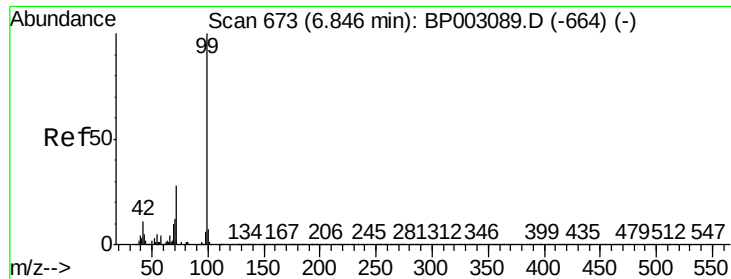


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 106.837 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003226.D

Acq: 08 Sep 2020 14:29

Instrument :

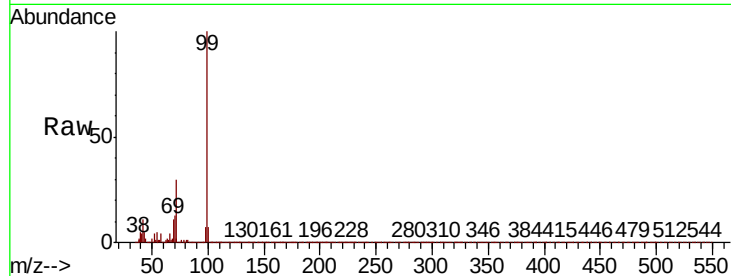
BNA\_P

ClientSampleId :

PB131465BL

Tot Ion: 99 Resp: 1421765

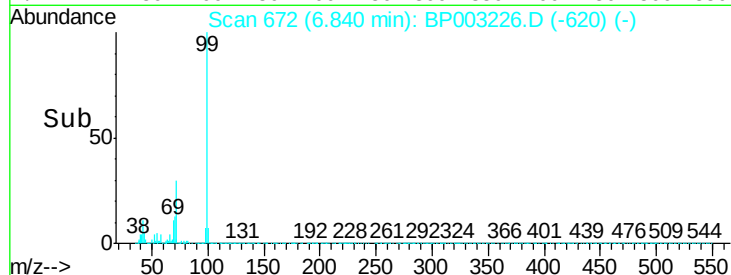
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 11.0  | 8.6   | 13.0  |
| 71  | 29.9  | 23.4  | 35.2  |



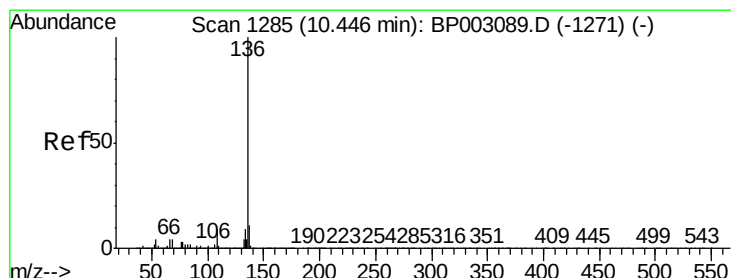
Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1283

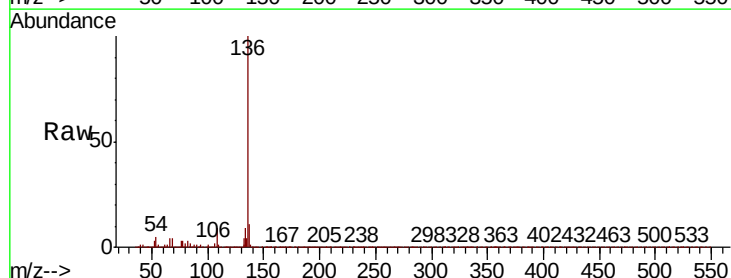
Delta R.T. -0.00 min

Lab File: BP003226.D

Acq: 08 Sep 2020 14:29

Tgt Ion: 136 Resp: 734660

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.6   | 13.0  |
| 54  | 4.6   | 3.6   | 5.4   |
| 68  | 4.1   | 3.3   | 4.9   |

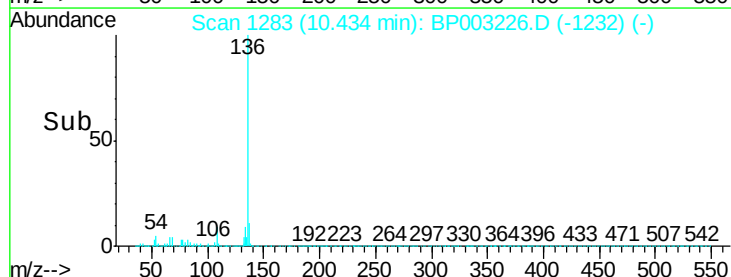


Abundance Ion 136.00 (135.70 to 136.70): E

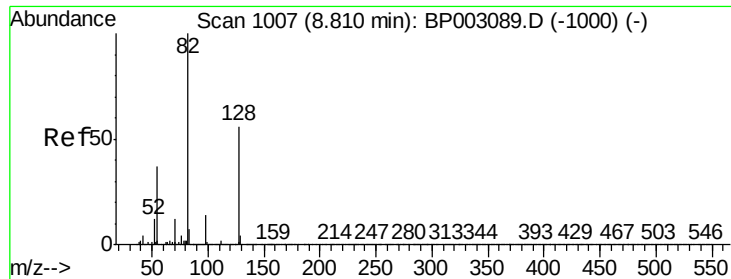
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



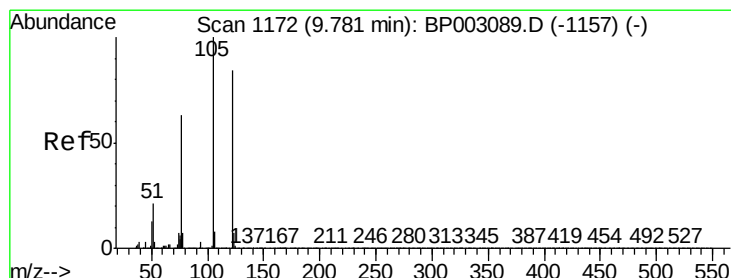
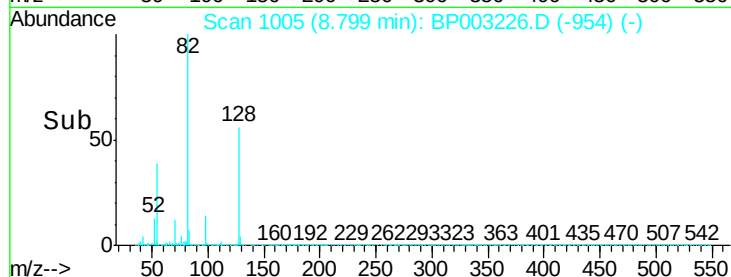
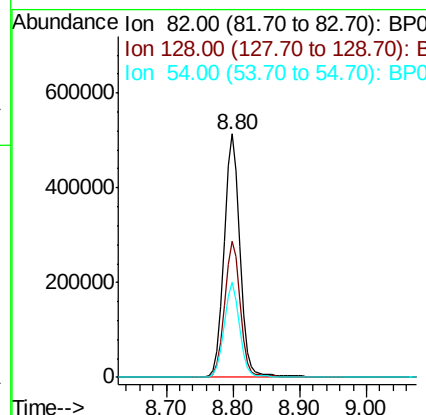
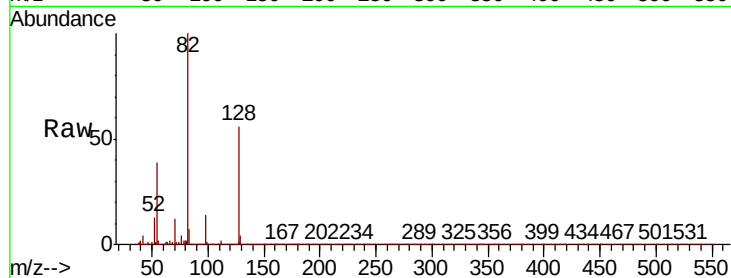
Time-->



#23  
 Nitrobenzene-d5  
 Concen: 85.577 ng  
 RT: 8.80 min Scan# 1005  
 Delta R.T. -0.00 min  
 Lab File: BP003226.D  
 Acq: 08 Sep 2020 14:29

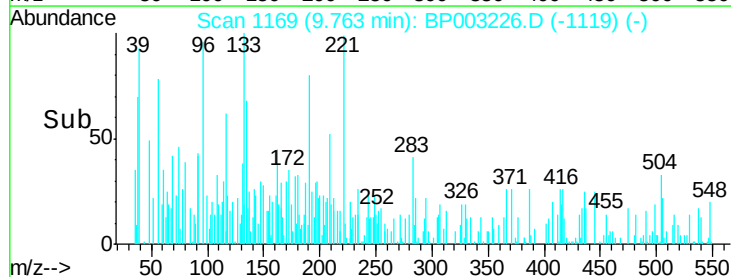
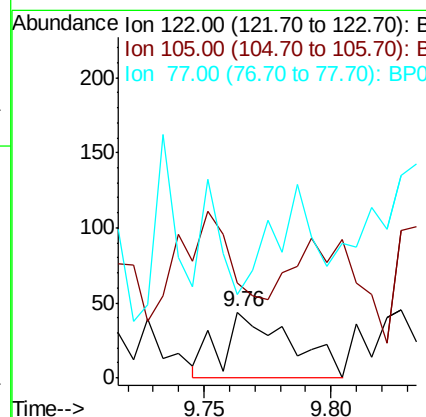
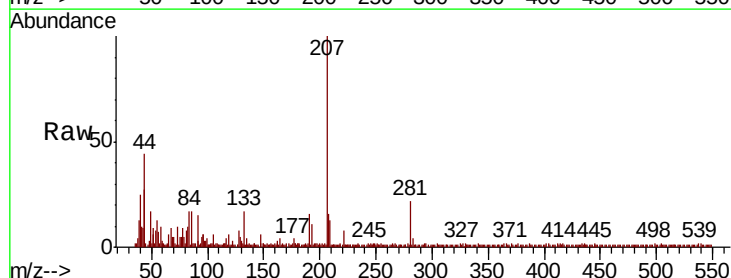
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB131465BL

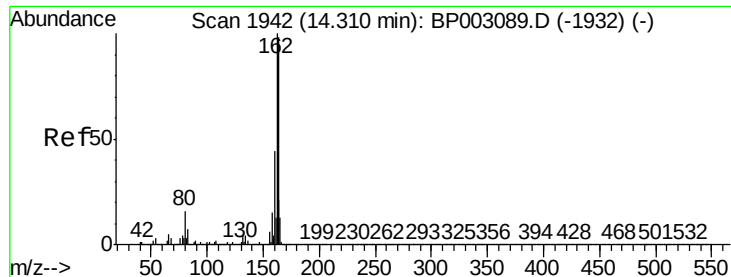
| Tot Ion   | 82    | Resp  | 872099 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 55.9  | 45.6  | 68.4   |
| 54        | 38.9  | 30.1  | 45.1   |



#32  
 Benzoic acid  
 Concen: 9.006 ng  
 RT: 9.76 min Scan# 1169  
 Delta R.T. -0.01 min  
 Lab File: BP003226.D  
 Acq: 08 Sep 2020 14:29

| Tgt Ion   | 122   | Resp  | 82     |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 143.2 | 94.1  | 134.1# |
| 77        | 127.3 | 50.1  | 90.1#  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.30 min Scan# 1940

Delta R.T. 0.01 min

Lab File: BP003226.D

Acq: 08 Sep 2020 14:29

Instrument :

BNA\_P

ClientSampleId :

PB131465BL

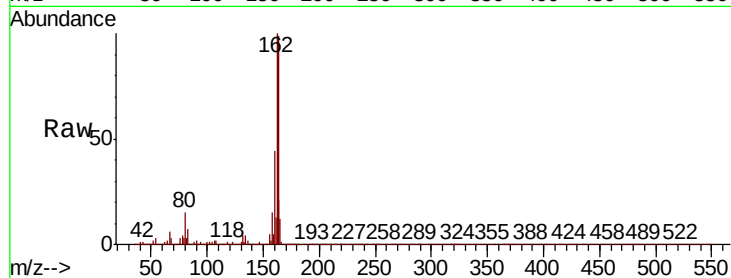
Tot Ion:164 Resp: 425707

Ion Ratio Lower Upper

164 100

162 101.2 79.4 119.2

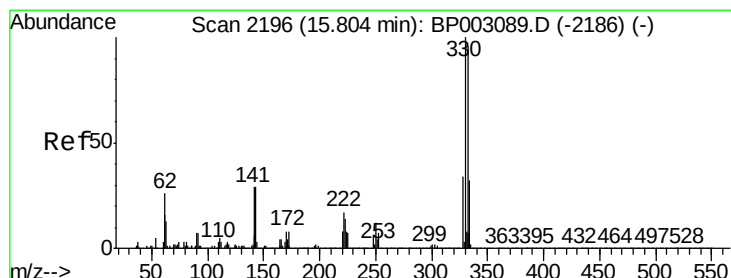
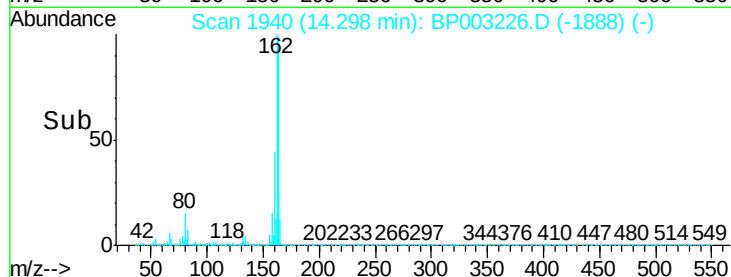
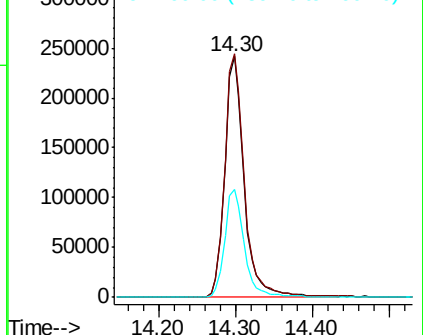
160 44.7 36.1 54.1



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: 104.444 ng

RT: 15.80 min Scan# 2195

Delta R.T. 0.01 min

Lab File: BP003226.D

Acq: 08 Sep 2020 14:29

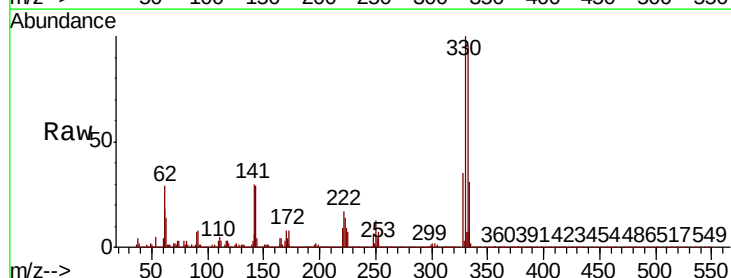
Tgt Ion:330 Resp: 601346

Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

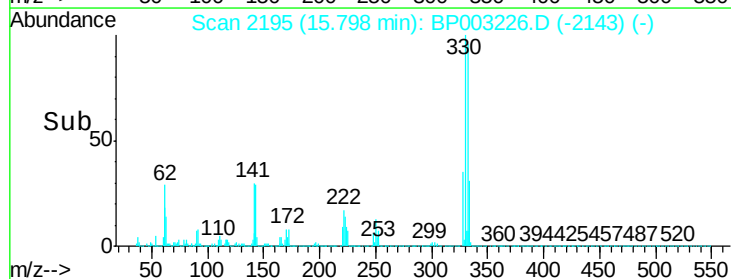
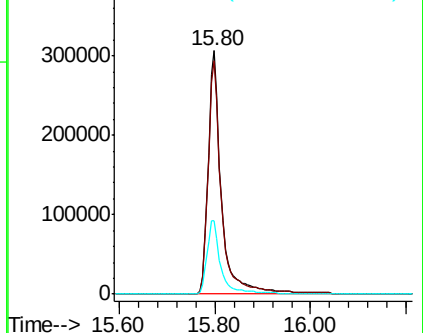
141 31.4 23.4 35.2

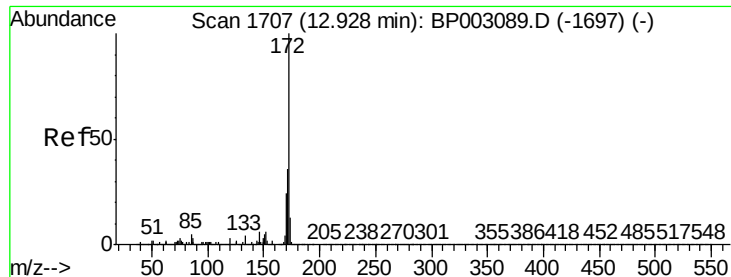


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

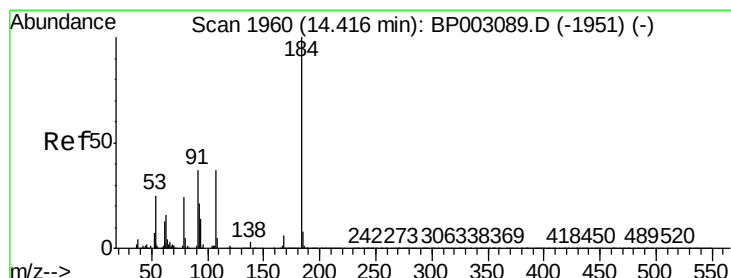
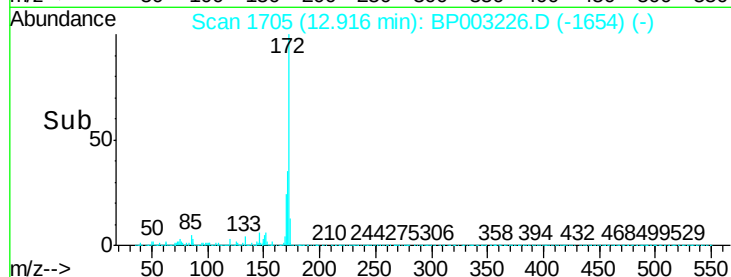
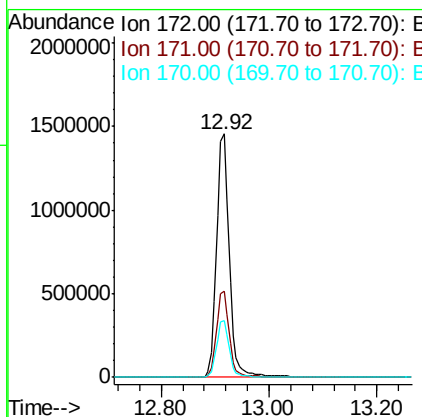
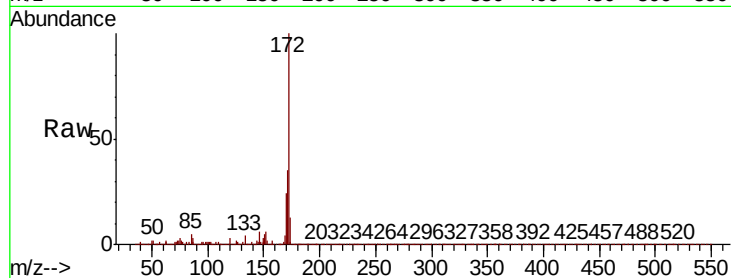




#45  
2-Fluorobiphenyl  
Concen: 83.595 ng  
RT: 12.92 min Scan# 1705  
Delta R.T. -0.00 min  
Lab File: BP003226.D  
Acq: 08 Sep 2020 14:29

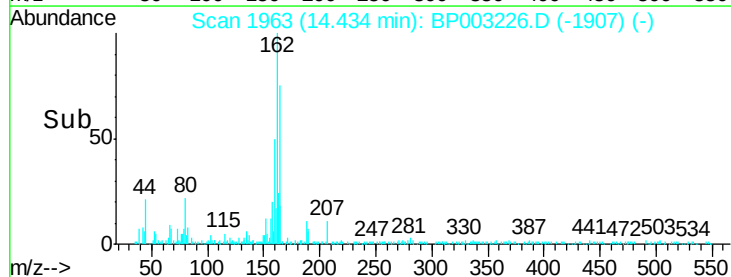
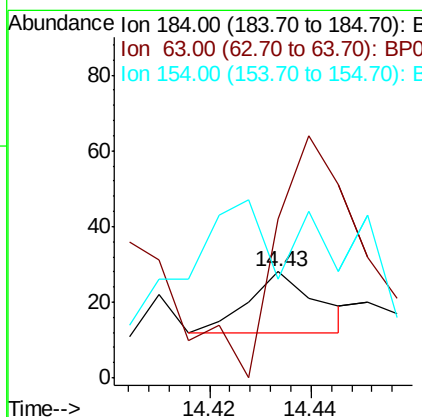
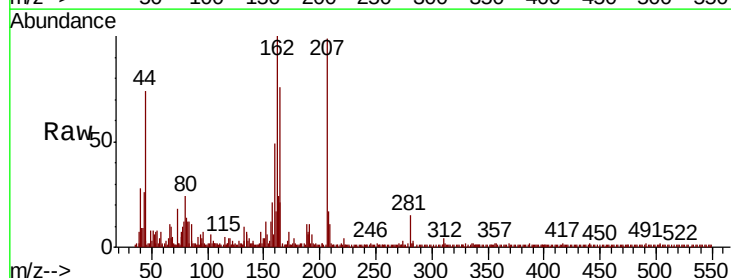
Instrument :  
BNA\_P  
ClientSampleId :  
PB131465BL

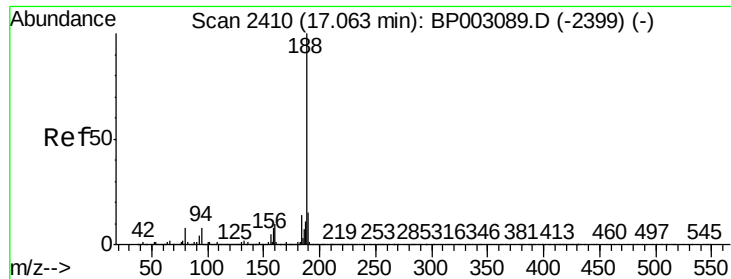
Tot Ion:172 Resp: 2430057  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.5 42.7  
170 23.5 19.2 28.8



#54  
2,4-Dinitrophenol  
Concen: 7.759 ng  
RT: 14.43 min Scan# 1963  
Delta R.T. 0.03 min  
Lab File: BP003226.D  
Acq: 08 Sep 2020 14:29

Tgt Ion:184 Resp: 15  
Ion Ratio Lower Upper  
184 100  
63 150.0 32.3 48.5#  
154 92.9 49.1 73.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2408

Delta R.T. 0.01 min

Lab File: BP003226.D

Acq: 08 Sep 2020 14:29

Instrument :

BNA\_P

ClientSampleId :

PB131465BL

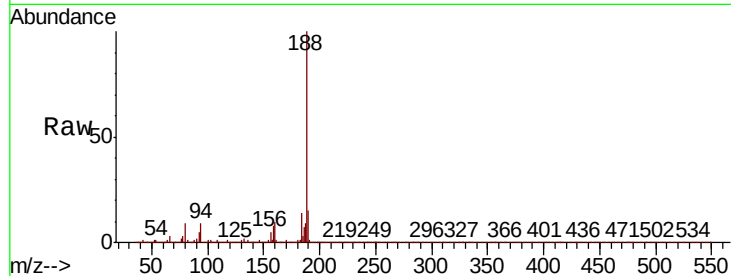
Tot Ion:188 Resp: 878414

Ion Ratio Lower Upper

188 100

94 8.6 6.2 9.2

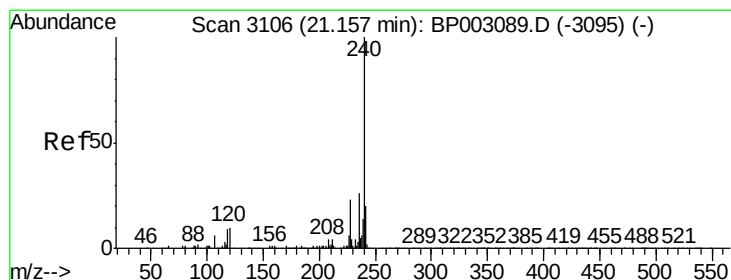
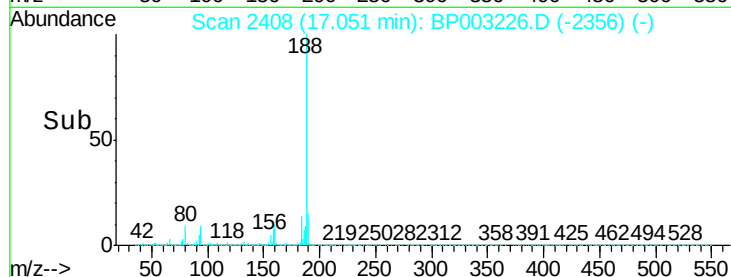
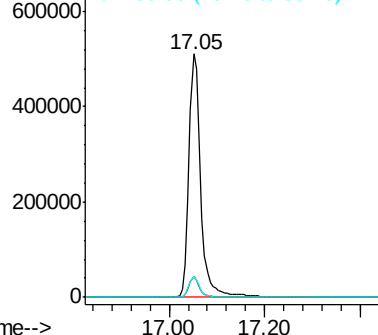
80 8.5 6.2 9.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.14 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BP003226.D

Acq: 08 Sep 2020 14:29

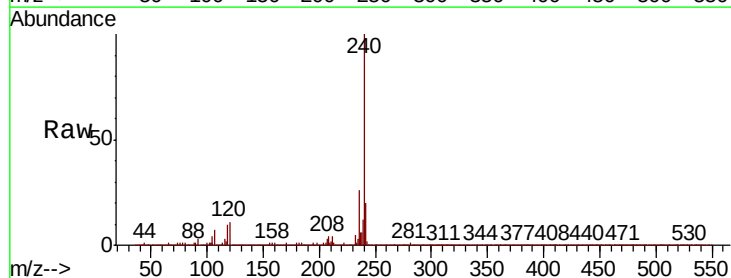
Tgt Ion:240 Resp: 833358

Ion Ratio Lower Upper

240 100

120 10.8 7.8 11.6

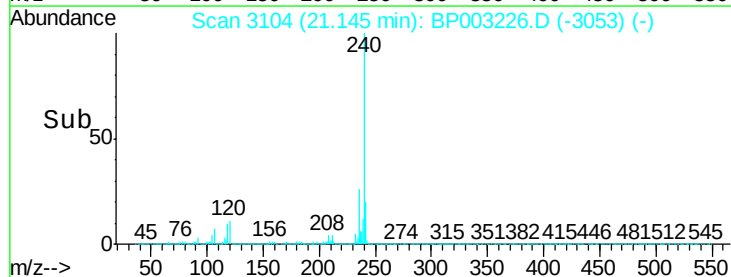
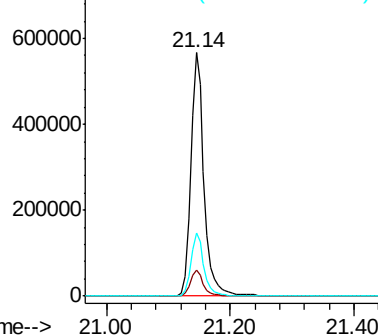
236 25.8 20.8 31.2



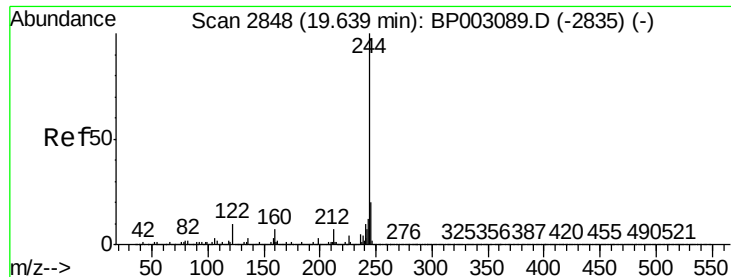
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





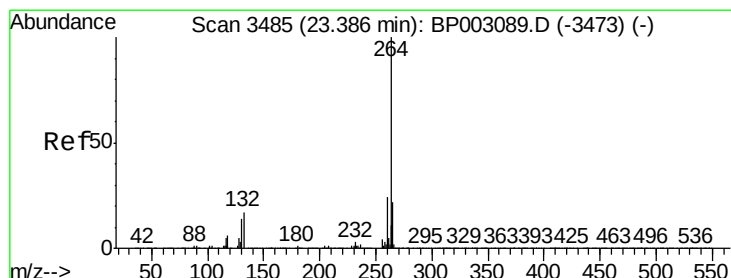
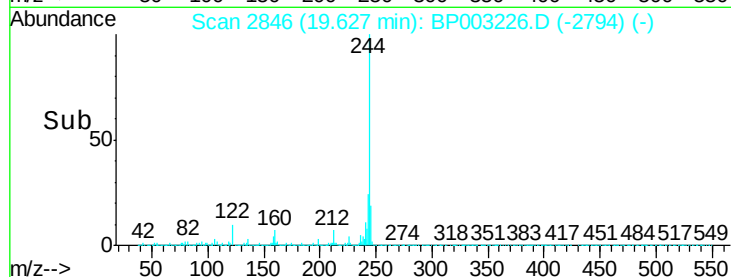
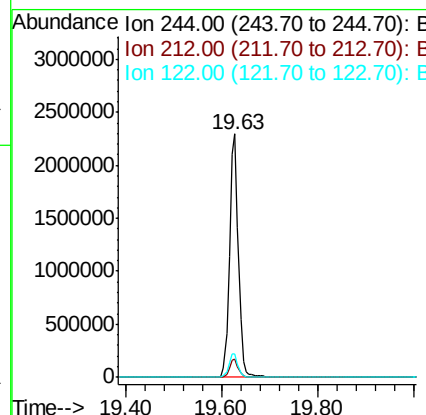
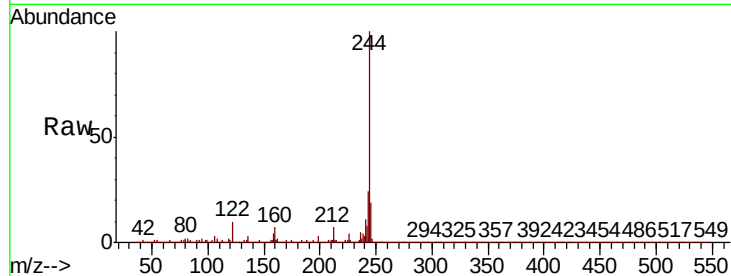


#79  
 Terphenyl-d14  
 Concen: 78.286 ng  
 RT: 19.63 min Scan# 2846  
 Delta R.T. 0.01 min  
 Lab File: BP003226.D  
 Acq: 08 Sep 2020 14:29

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB131465BL

Tot Ion:244 Resp: 2964898  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.3   | 5.8   | 8.6   |
| 122 | 9.7   | 7.8   | 11.8  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.39 min Scan# 3485  
 Delta R.T. 0.02 min  
 Lab File: BP003226.D  
 Acq: 08 Sep 2020 14:29

Tgt Ion:264 Resp: 858405  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 18.8  | 28.2  |
| 265 | 22.1  | 17.4  | 26.2  |

