

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092719\  
 Data File : BP000451.D  
 Acq On : 27 Sep 2019 12:42  
 Operator : JU  
 Sample : PB123396BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB123396BL

Quant Time: Sep 27 15:02:03 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  | 236847   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.07  | 136  | 846414   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.83  | 164  | 462417   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.33 | 188  | 869737   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.00 | 240  | 803395   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.49 | 264  | 899968   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 1846934  | 134.62 | ng    | 0.02     |
| 7) Phenol-d6                | 6.43  | 99   | 2314095  | 137.60 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 1337541  | 101.96 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 689495   | 150.33 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.15  | 172  | 2757404  | 107.32 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.94 | 244  | 3405831  | 88.93  | ng    | 0.00     |

Target Compounds Qvalue

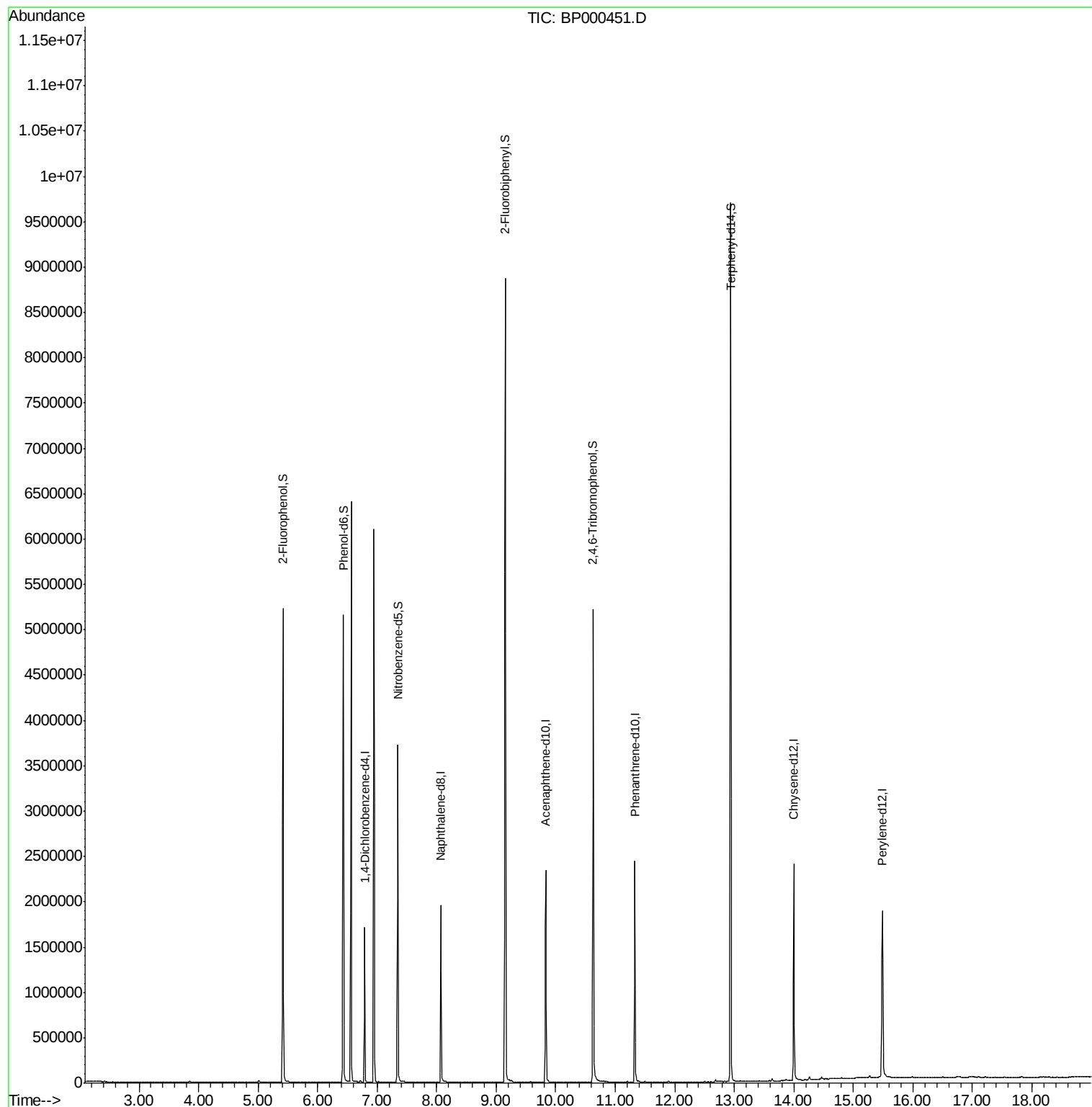
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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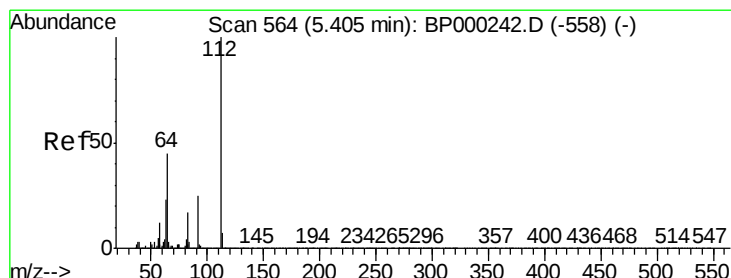
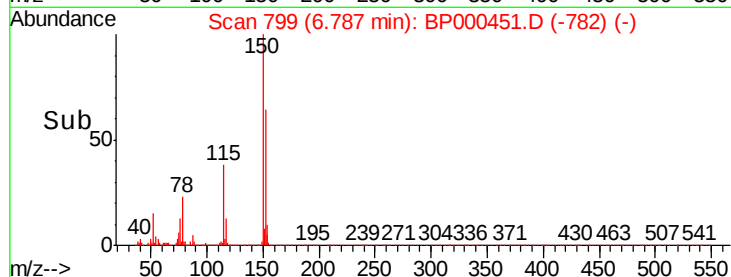
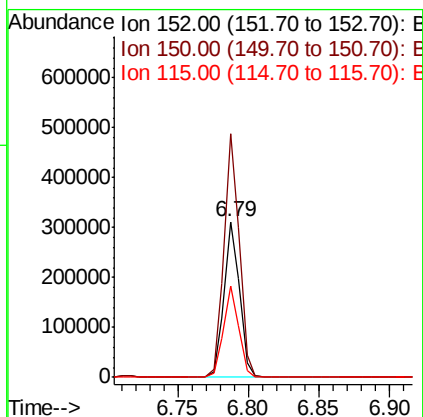
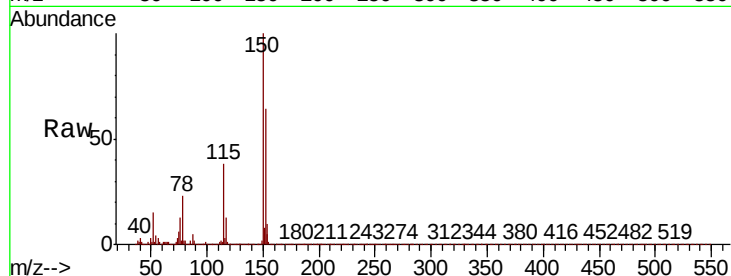


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 799  
Delta R.T. -0.00 min  
Lab File: BP000451.D  
Acq: 27 Sep 2019 12:42

Instrument :  
BNA\_P  
ClientSampleId :  
PB123396BL

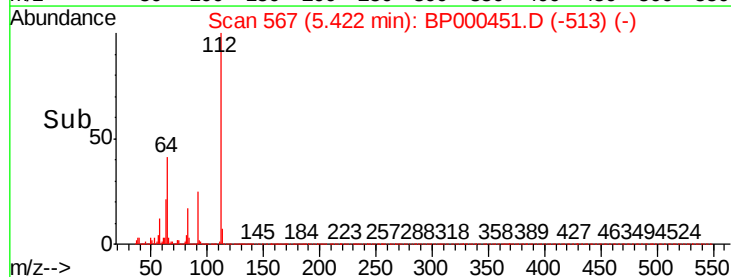
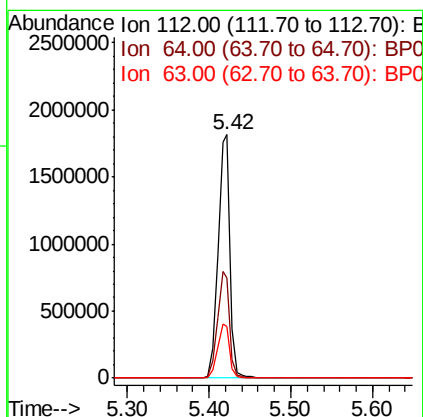
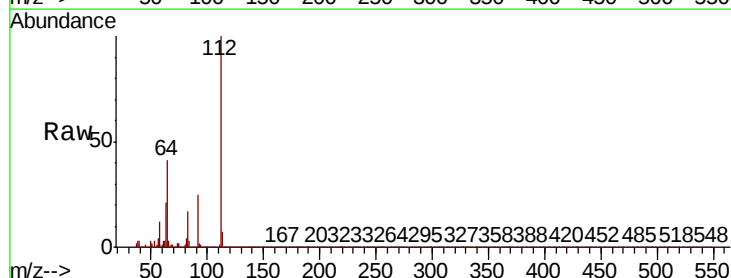
Tot Ion:152 Resp: 236847  
Ion Ratio Lower Upper  
152 100  
150 156.6 125.2 187.8  
115 59.1 49.7 74.5

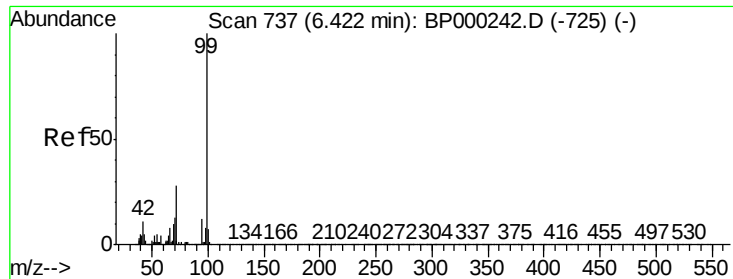


#5

2-Fluorophenol  
Concen: 134.621 ng  
RT: 5.42 min Scan# 567  
Delta R.T. 0.02 min  
Lab File: BP000451.D  
Acq: 27 Sep 2019 12:42

Tgt Ion:112 Resp: 1846934  
Ion Ratio Lower Upper  
112 100  
64 41.2 36.2 54.4  
63 21.3 18.3 27.5





#7

Phenol-d6

Concen: 137.602 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BP000451.D

Acq: 27 Sep 2019 12:42

Instrument :

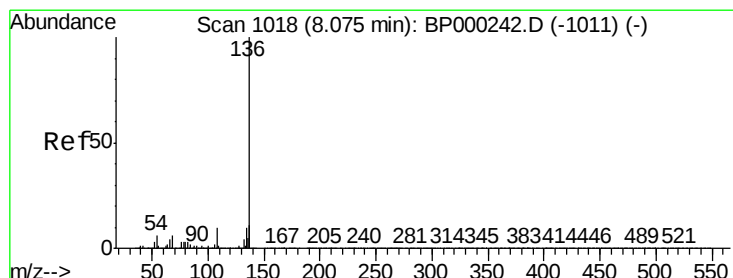
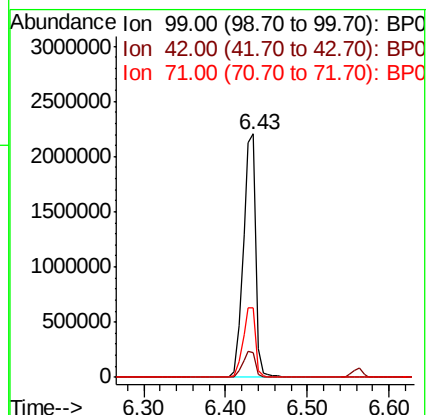
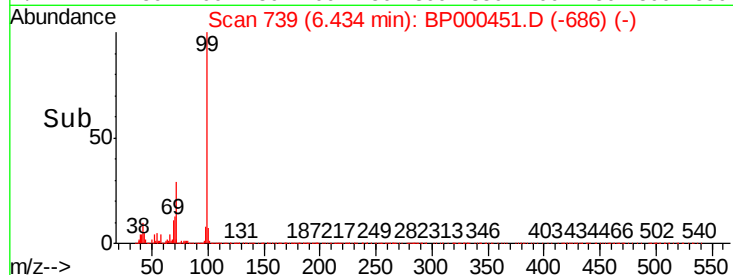
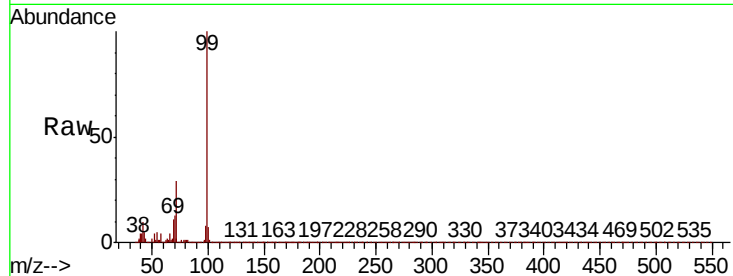
BNA\_P

ClientSampleId :

PB123396BL

Tot Ion: 99 Resp: 2314095

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 10.3  | 8.5   | 12.7  |
| 71  | 28.7  | 22.6  | 34.0  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

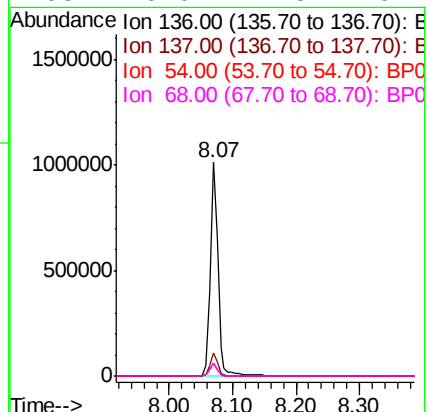
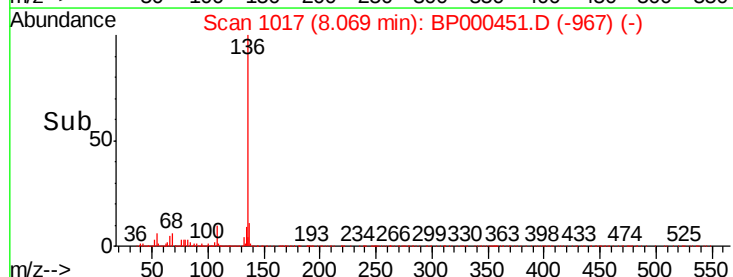
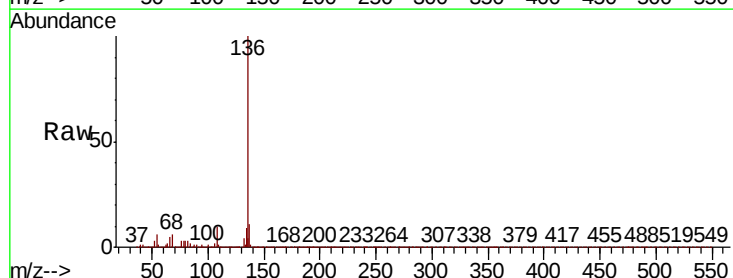
Delta R.T. -0.01 min

Lab File: BP000451.D

Acq: 27 Sep 2019 12:42

Tgt Ion: 136 Resp: 846414

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.6   | 13.0  |
| 54  | 5.9   | 4.5   | 6.7   |
| 68  | 6.0   | 4.5   | 6.7   |

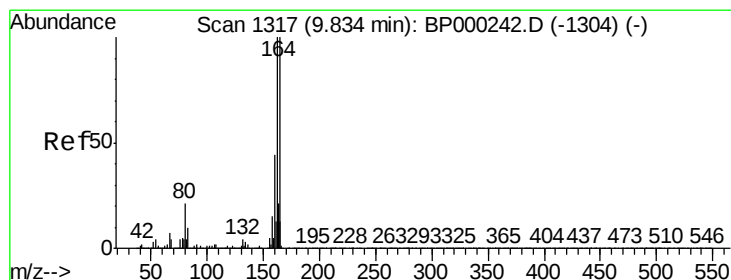
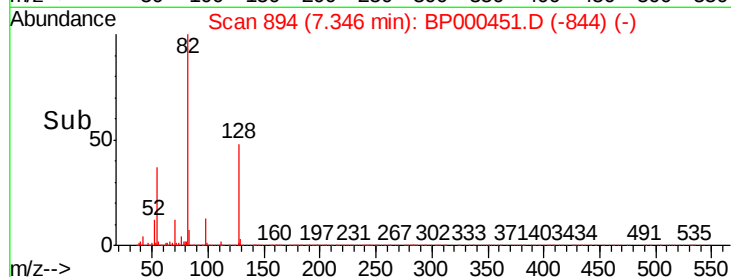
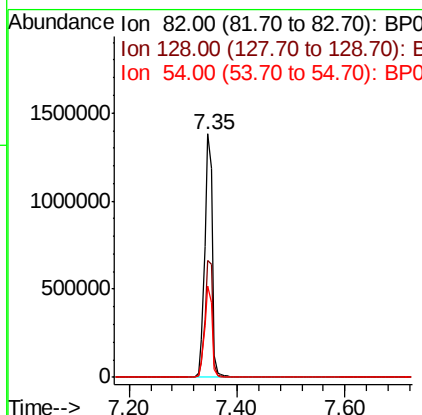
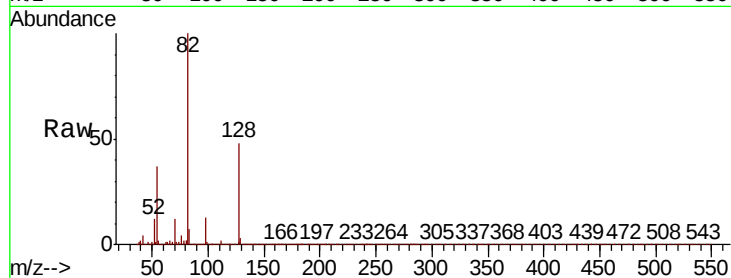




#23  
 Nitrobenzene-d5  
 Concen: 101.957 ng  
 RT: 7.35 min Scan# 894  
 Delta R.T. -0.01 min  
 Lab File: BP000451.D  
 Acq: 27 Sep 2019 12:42

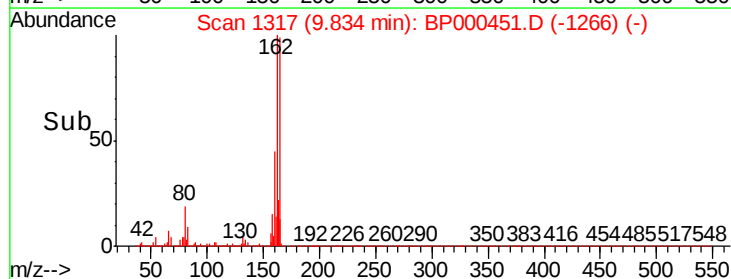
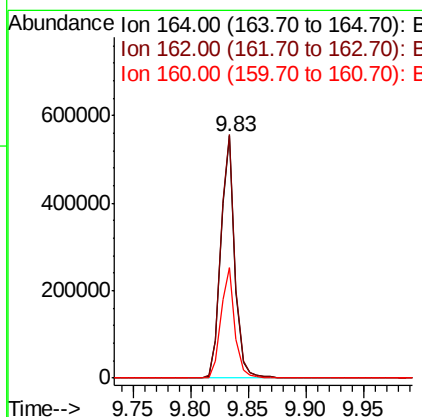
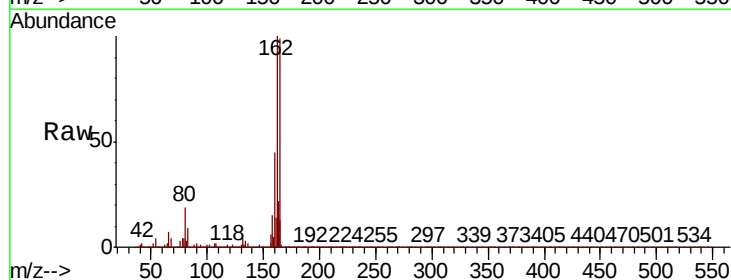
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB123396BL

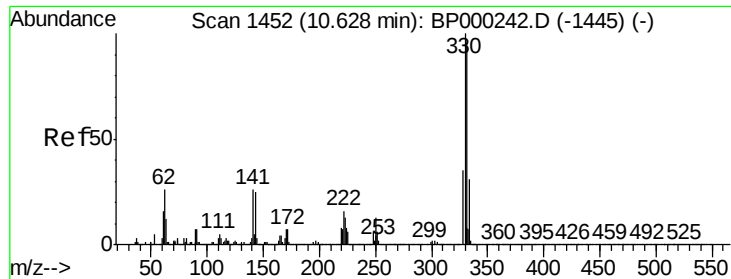
Tot Ion: 82 Resp: 1337541  
 Ion Ratio Lower Upper  
 82 100  
 128 48.1 40.7 61.1  
 54 37.4 30.1 45.1



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. -0.00 min  
 Lab File: BP000451.D  
 Acq: 27 Sep 2019 12:42

Tgt Ion: 164 Resp: 462417  
 Ion Ratio Lower Upper  
 164 100  
 162 100.7 79.9 119.9  
 160 45.7 35.6 53.4

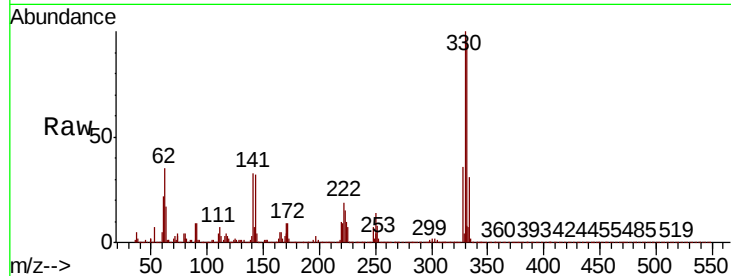




#42  
 2,4,6-Tribromophenol  
 Concen: 150.330 ng  
 RT: 10.63 min Scan# 1452  
 Delta R.T. -0.00 min  
 Lab File: BP000451.D  
 Acq: 27 Sep 2019 12:42

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB123396BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 76.6  | 115.0 |
| 141     | 32.5  | 26.5  | 39.7  |

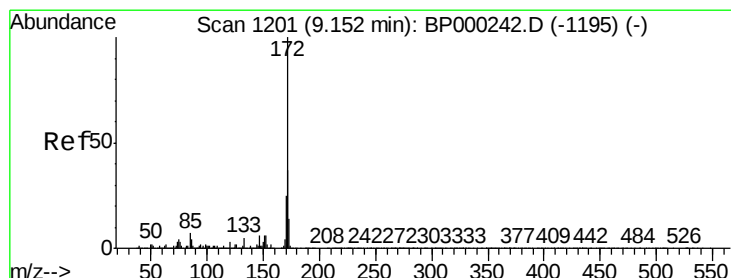
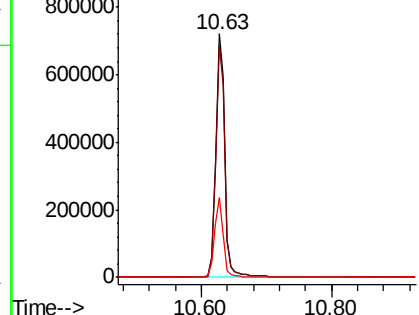
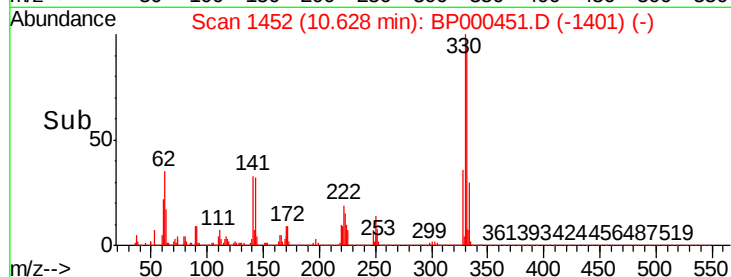


Abundance

Ion 329.80 (329.50 to 330.50): E

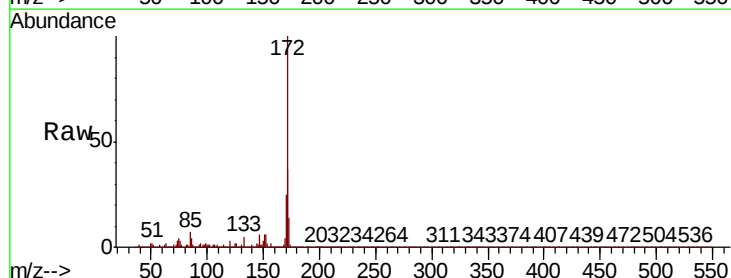
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 107.323 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.00 min  
 Lab File: BP000451.D  
 Acq: 27 Sep 2019 12:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 29.8  | 44.6  |
| 170     | 24.6  | 19.8  | 29.6  |

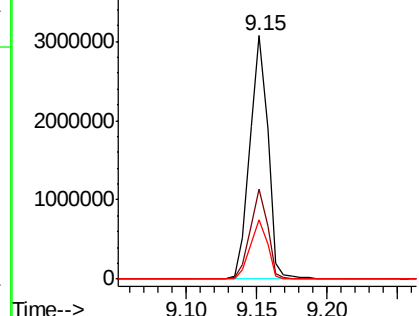
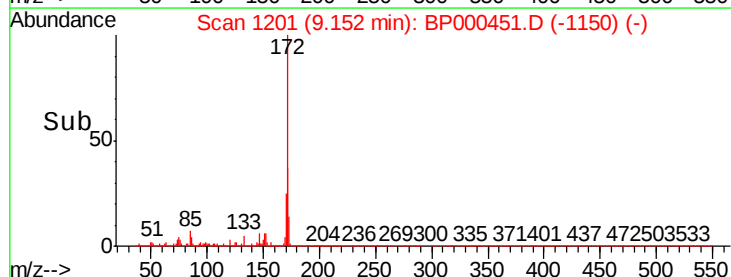


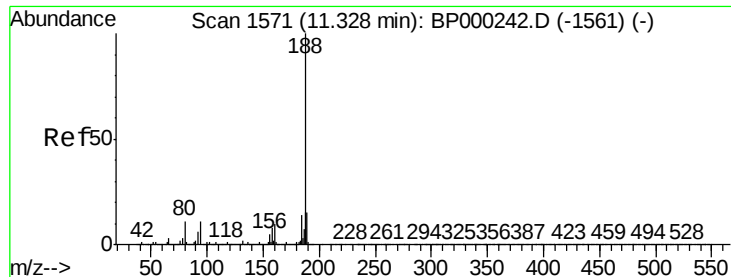
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000451.D

Acq: 27 Sep 2019 12:42

Instrument :

BNA\_P

ClientSampleId :

PB123396BL

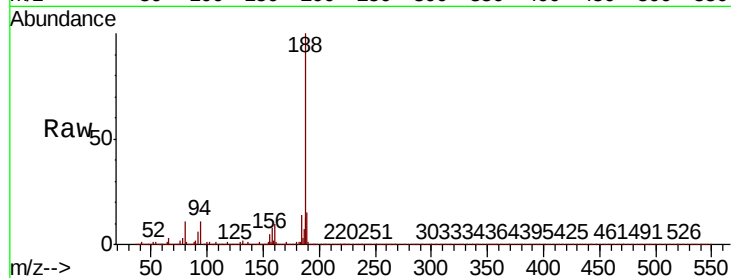
Tot Ion:188 Resp: 869737

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

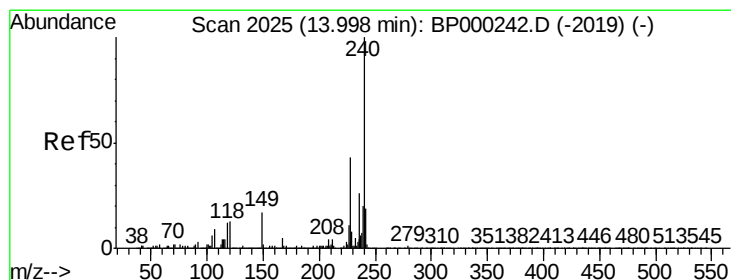
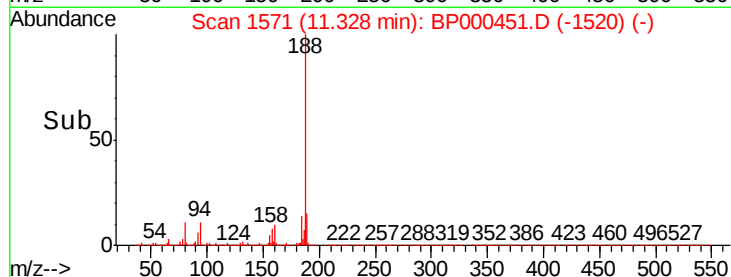
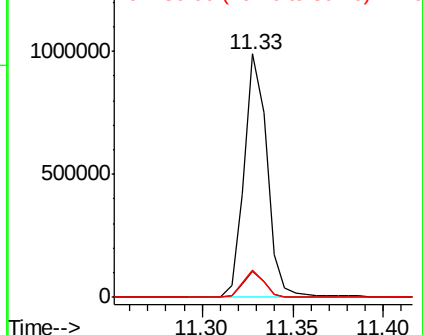
80 11.0 8.6 13.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BP000451.D

Acq: 27 Sep 2019 12:42

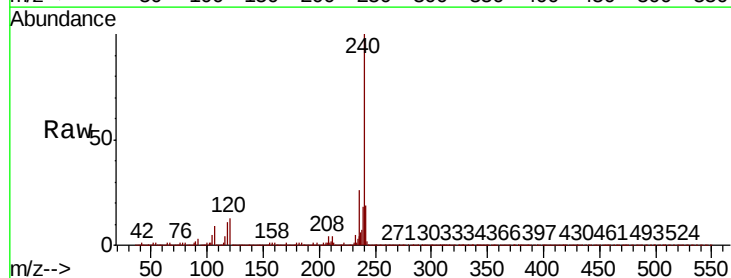
Tgt Ion:240 Resp: 803395

Ion Ratio Lower Upper

240 100

120 12.9 10.4 15.6

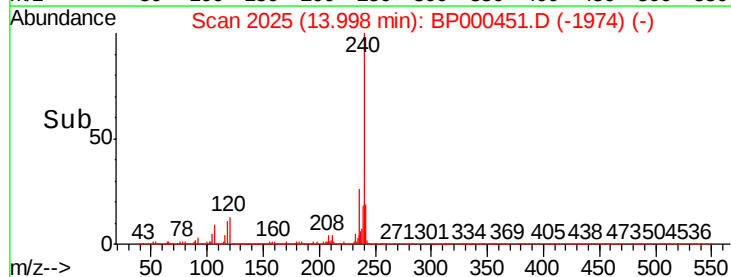
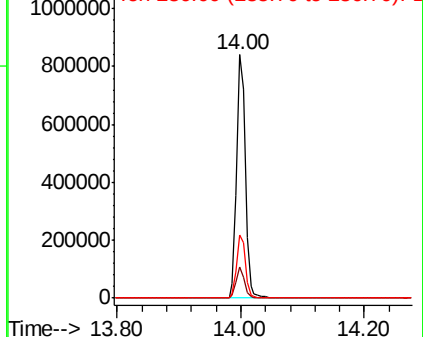
236 26.0 21.0 31.6

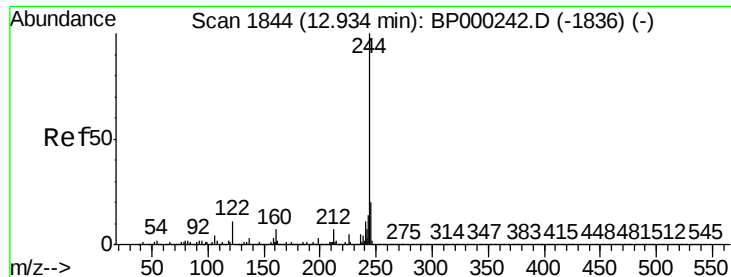


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 88.934 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BP000451.D

Acq: 27 Sep 2019 12:42

Instrument :

BNA\_P

ClientSampleId :

PB123396BL

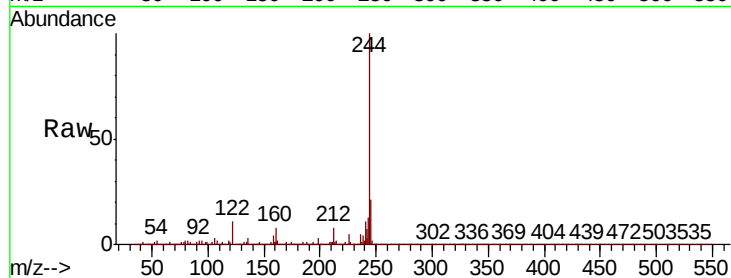
Tot Ion:244 Resp: 3405831

Ion Ratio Lower Upper

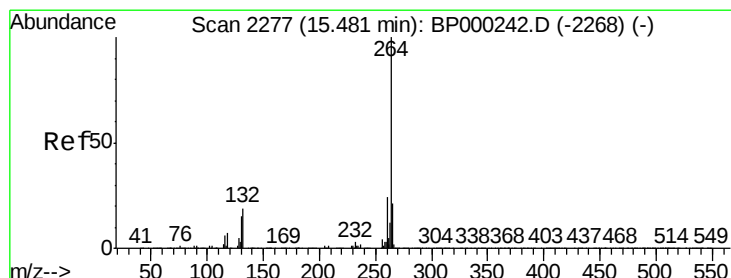
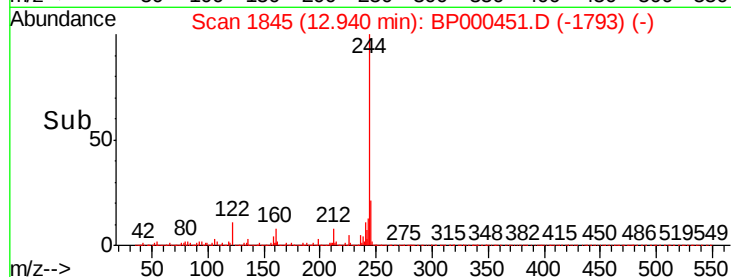
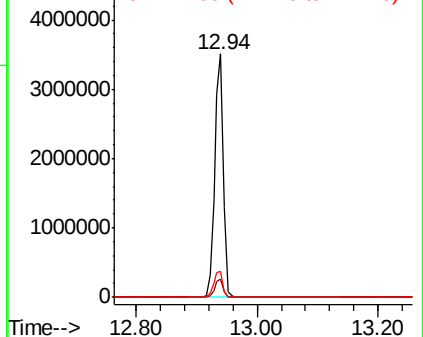
244 100

212 7.6 5.9 8.9

122 10.7 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BP000451.D

Acq: 27 Sep 2019 12:42

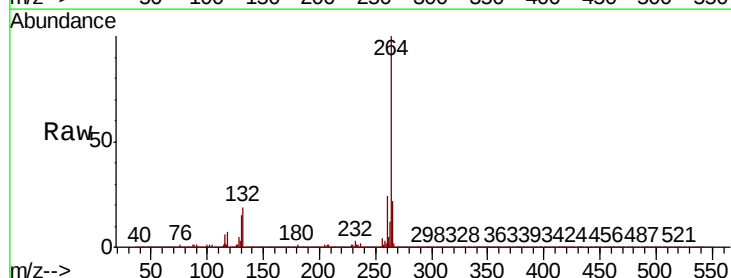
Tgt Ion:264 Resp: 899968

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.8 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

