

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092019\  
 Data File : BP000345.D  
 Acq On : 20 Sep 2019 10:16  
 Operator : HP/JU  
 Sample : PB123244BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB123244BL

Quant Time: Sep 20 16:04:23 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  | 259256   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.07  | 136  | 946424   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.83  | 164  | 525044   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.33 | 188  | 974752   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.99 | 240  | 900245   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.47 | 264  | 989411   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 1471407  | 97.98  | ng    | 0.02     |
| 7) Phenol-d6                | 6.43  | 99   | 1820936  | 98.92  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 1447367  | 98.67  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 639651   | 122.83 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.15  | 172  | 3195656  | 109.54 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.93 | 244  | 3938878  | 91.79  | ng    | 0.00     |

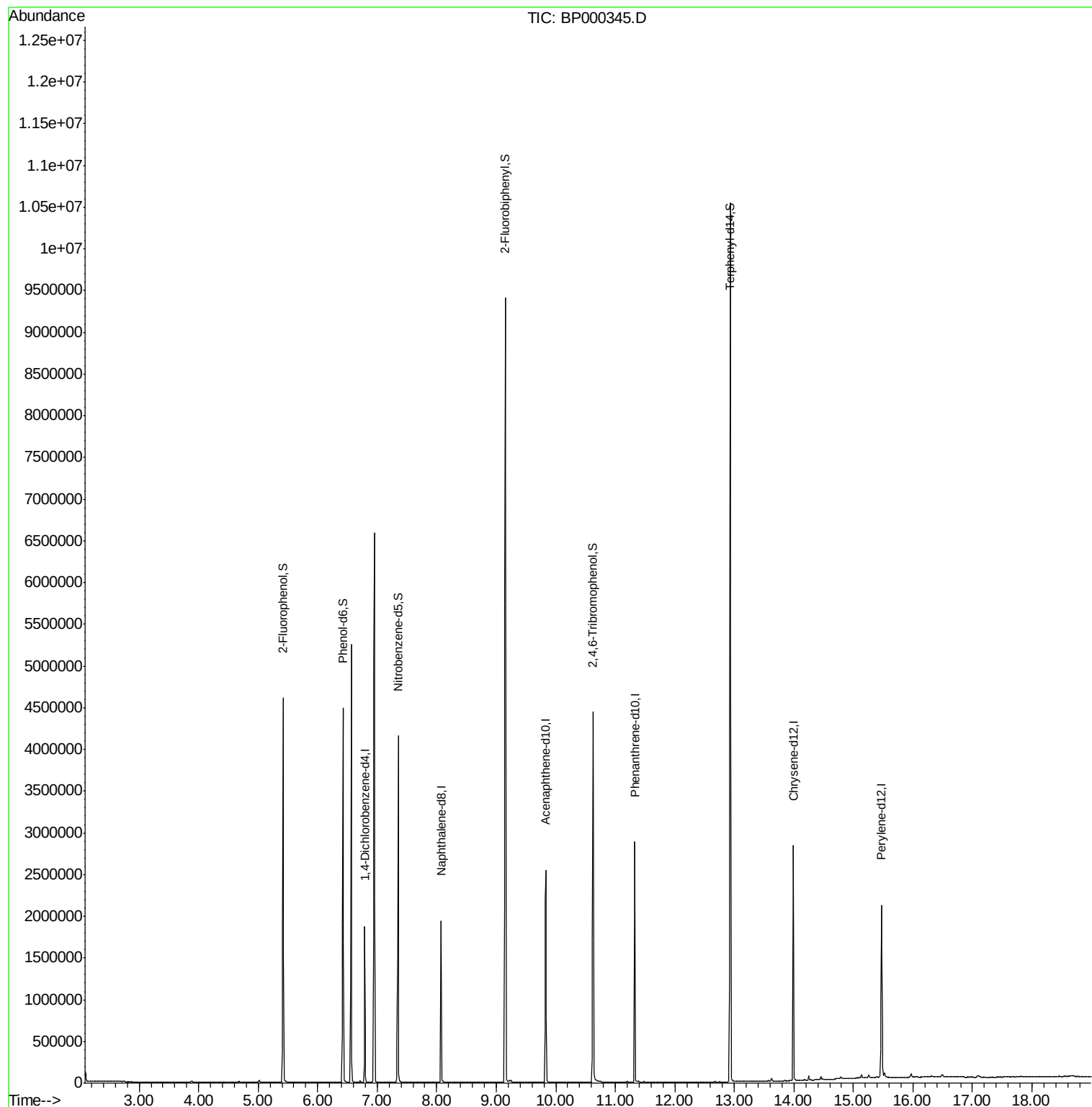
Target Compounds Qvalue

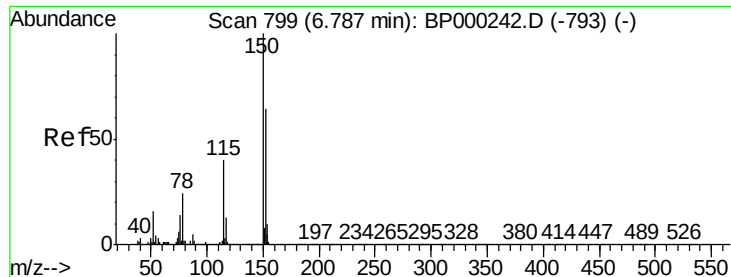
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_P  
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QLast Update : Thu Sep 19 14:44:51 2019  
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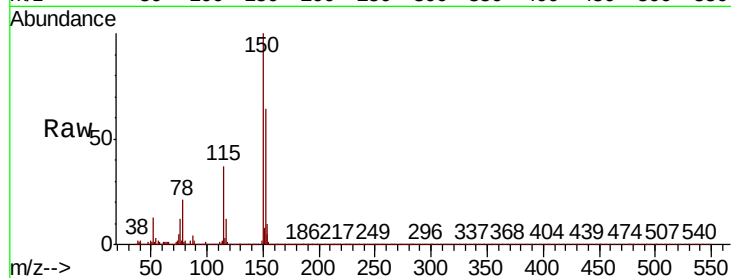


#1

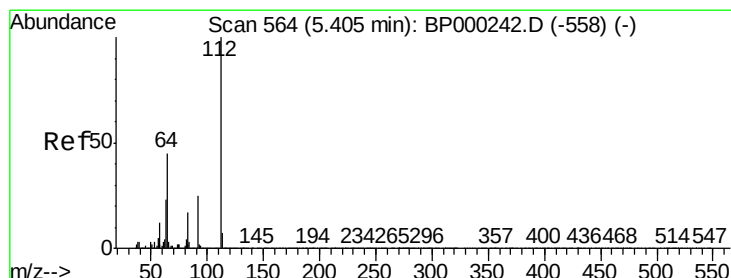
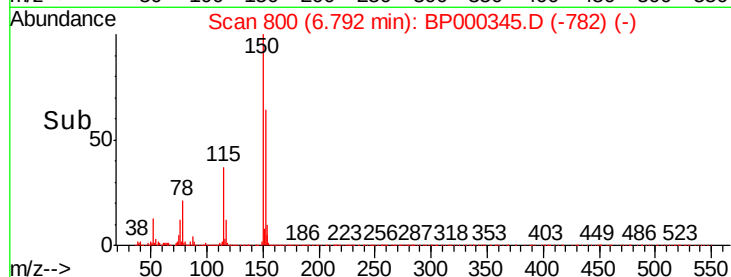
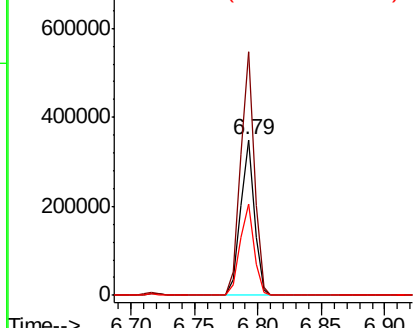
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 800  
Delta R.T. 0.01 min  
Lab File: BP000345.D  
Acq: 20 Sep 2019 10:16

Instrument :  
BNA\_P  
ClientSampleId :  
PB123244BL

Tot Ion:152 Resp: 259256  
Ion Ratio Lower Upper  
152 100  
150 156.3 125.2 187.8  
115 58.6 49.7 74.5



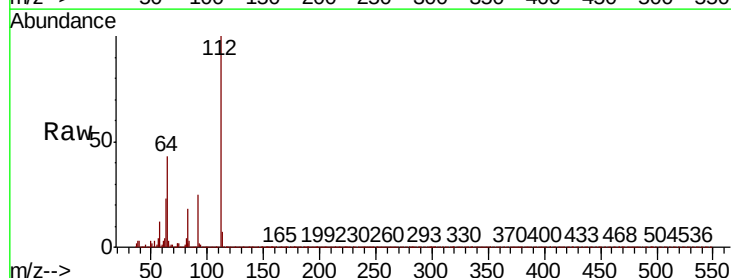
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



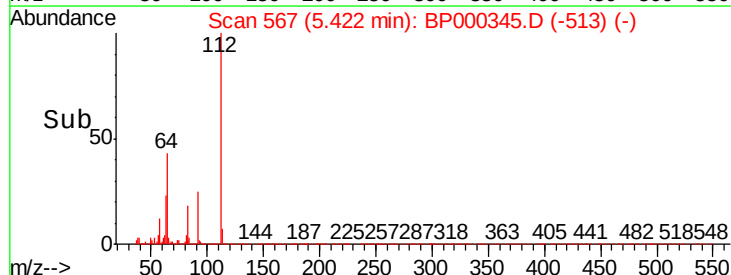
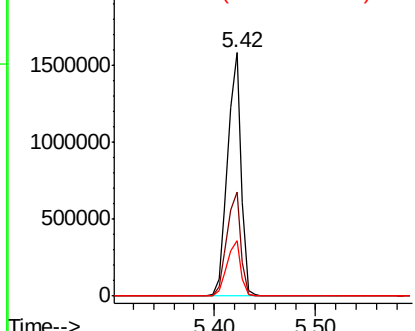
#5

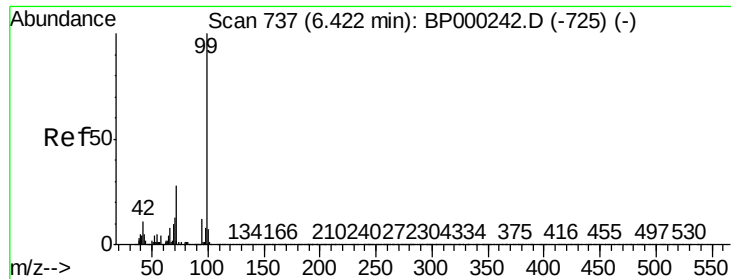
2-Fluorophenol  
Concen: 97.979 ng  
RT: 5.42 min Scan# 567  
Delta R.T. 0.02 min  
Lab File: BP000345.D  
Acq: 20 Sep 2019 10:16

Tgt Ion:112 Resp: 1471407  
Ion Ratio Lower Upper  
112 100  
64 42.6 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: 98.919 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000345.D

Acq: 20 Sep 2019 10:16

Instrument :

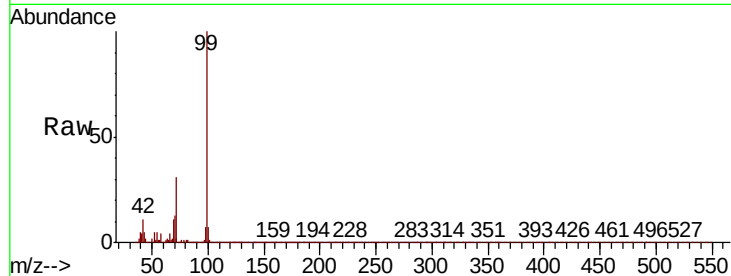
BNA\_P

ClientSampleId :

PB123244BL

Tot Ion: 99 Resp: 1820936

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 11.1  | 8.5   | 12.7  |
| 71  | 31.2  | 22.6  | 34.0  |

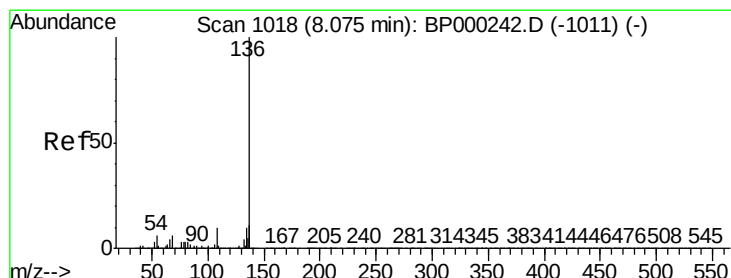
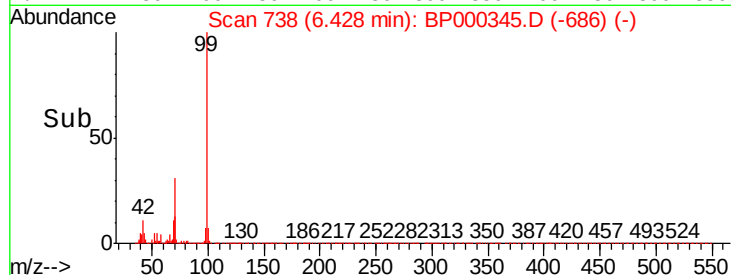


Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

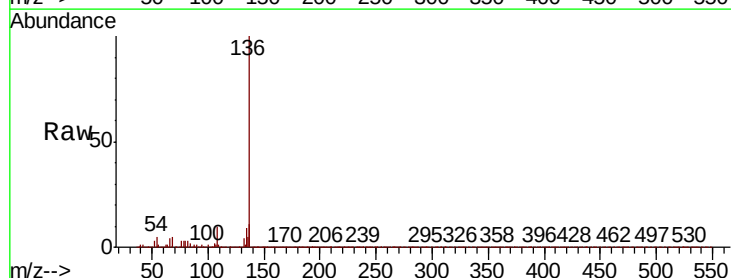
Delta R.T. -0.00 min

Lab File: BP000345.D

Acq: 20 Sep 2019 10:16

Tgt Ion: 136 Resp: 946424

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 8.6   | 13.0  |
| 54  | 5.0   | 4.5   | 6.7   |
| 68  | 4.8   | 4.5   | 6.7   |



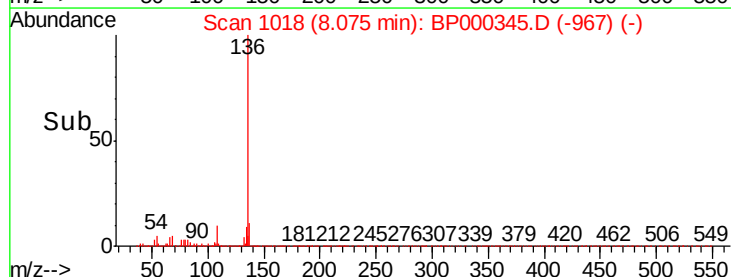
Abundance

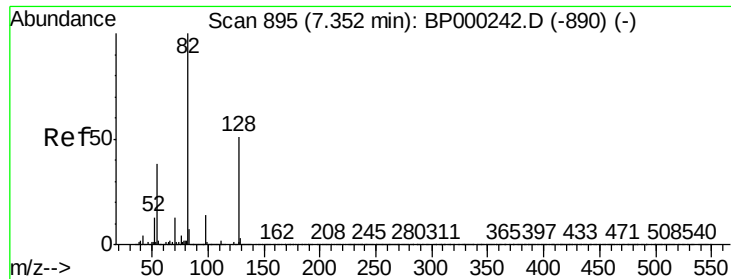
Ion 136.00 (135.70 to 136.70): E

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



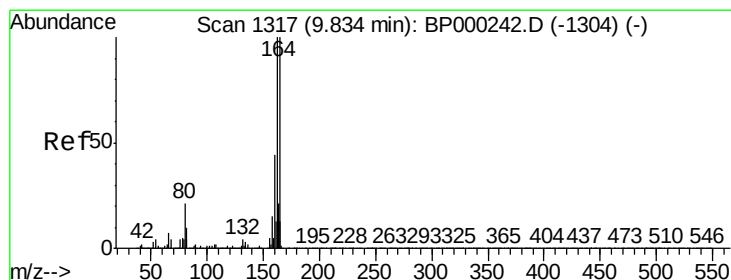
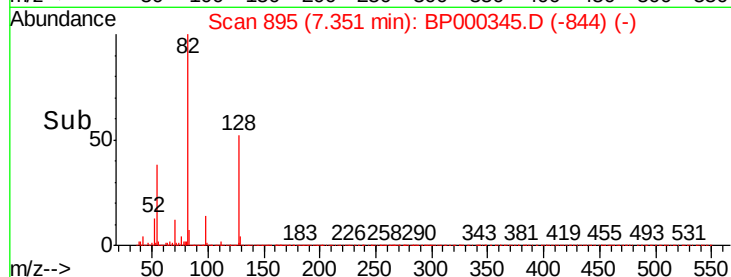
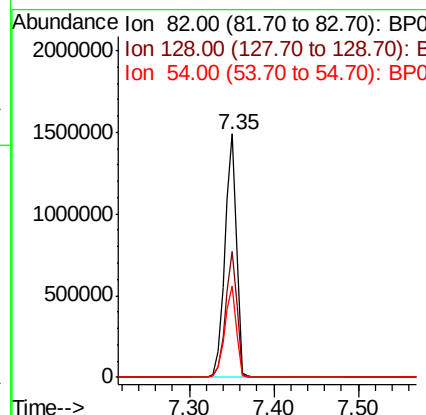
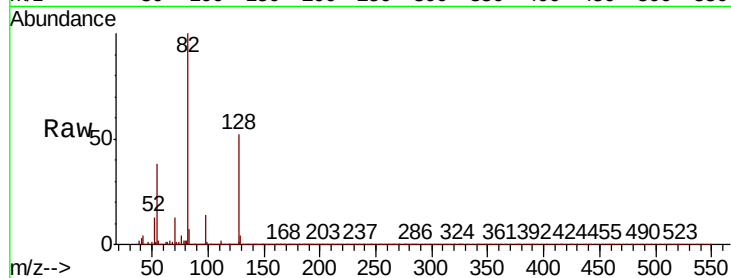


#23  
 Nitrobenzene-d5  
 Concen: 98.670 ng  
 RT: 7.35 min Scan# 895  
 Delta R.T. -0.00 min  
 Lab File: BP000345.D  
 Acq: 20 Sep 2019 10:16

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB123244BL

Tot Ion: 82 Resp: 1447367  

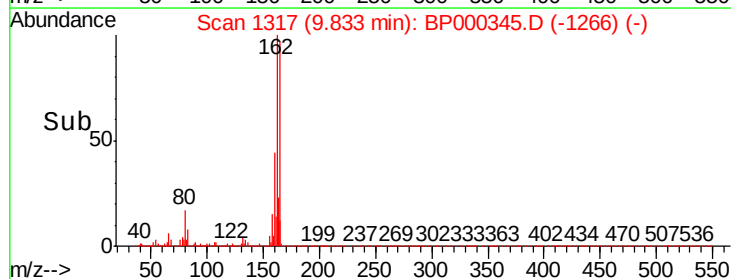
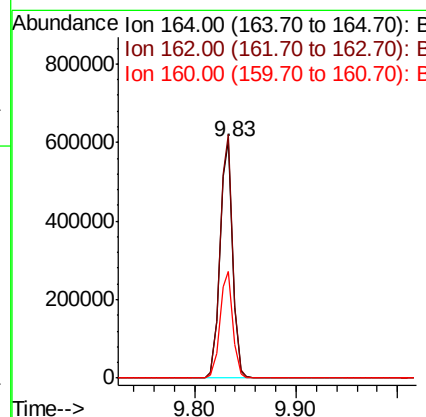
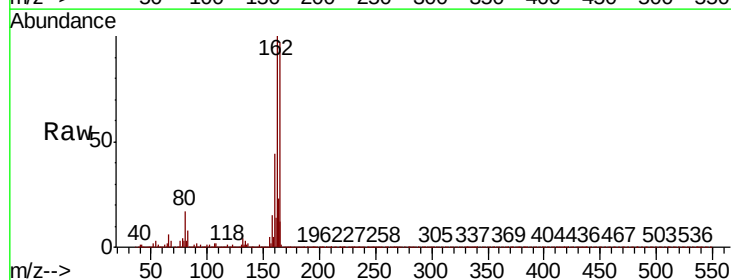
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 51.5  | 40.7  | 61.1  |
| 54  | 37.7  | 30.1  | 45.1  |

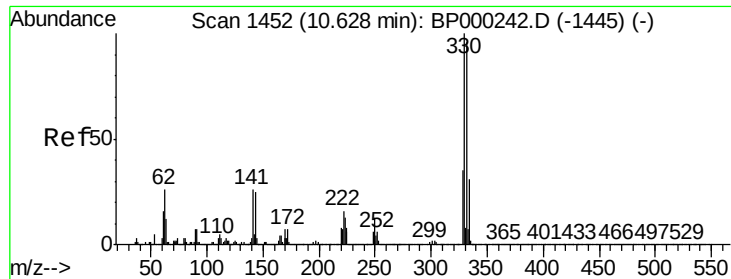


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.83 min Scan# 1317  
 Delta R.T. -0.00 min  
 Lab File: BP000345.D  
 Acq: 20 Sep 2019 10:16

Tgt Ion: 164 Resp: 525044  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.7 | 79.9  | 119.9 |
| 160 | 45.1  | 35.6  | 53.4  |

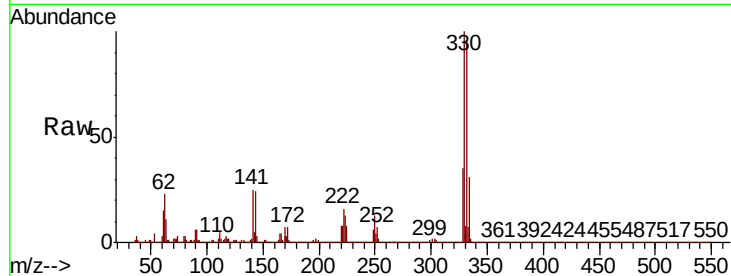




#42  
2,4,6-Tribromophenol  
Concen: 122.827 ng  
RT: 10.63 min Scan# 1452  
Delta R.T. -0.00 min  
Lab File: BP000345.D  
Acq: 20 Sep 2019 10:16

Instrument :  
BNA\_P  
ClientSampleId :  
PB123244BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 76.6  | 115.0 |
| 141     | 29.9  | 26.5  | 39.7  |

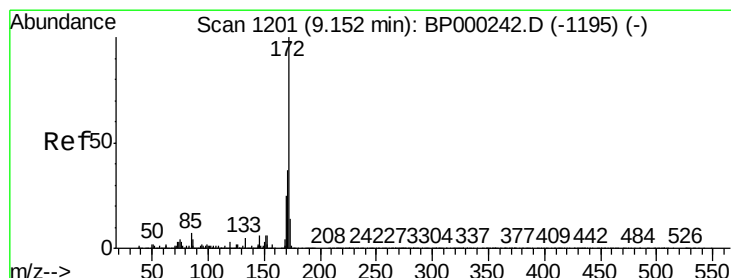
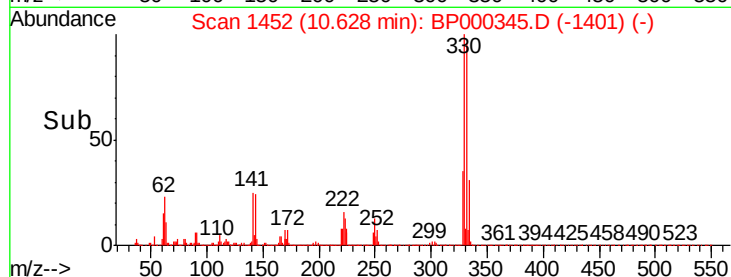
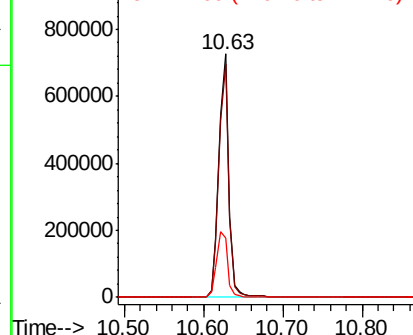


Abundance

Ion 329.80 (329.50 to 330.50): E

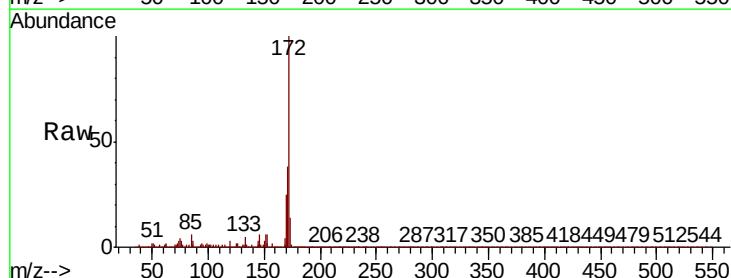
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
2-Fluorobiphenyl  
Concen: 109.544 ng  
RT: 9.15 min Scan# 1201  
Delta R.T. -0.00 min  
Lab File: BP000345.D  
Acq: 20 Sep 2019 10:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 29.8  | 44.6  |
| 170     | 24.7  | 19.8  | 29.6  |

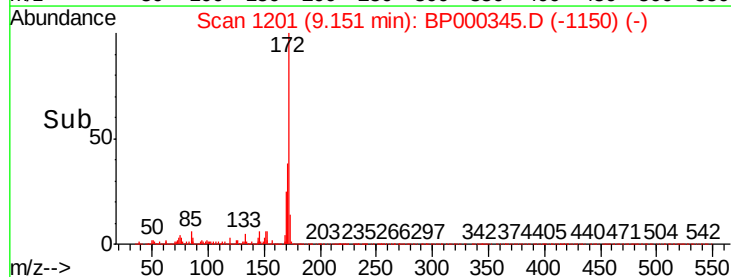
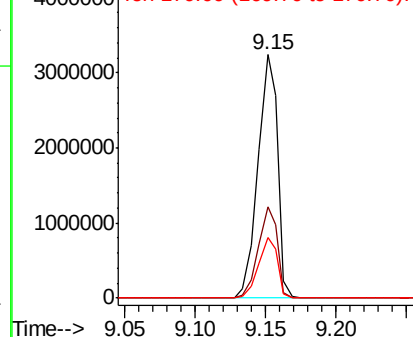


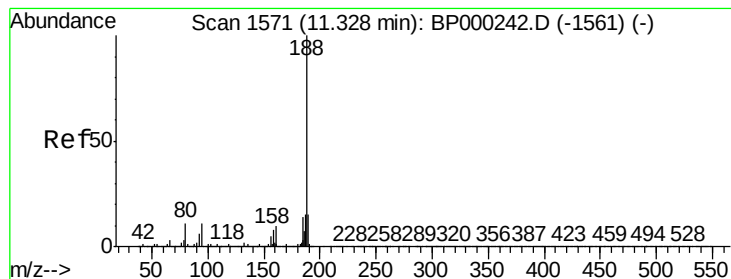
Abundance

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: BP000345.D

Acq: 20 Sep 2019 10:16

Instrument :

BNA\_P

ClientSampleId :

PB123244BL

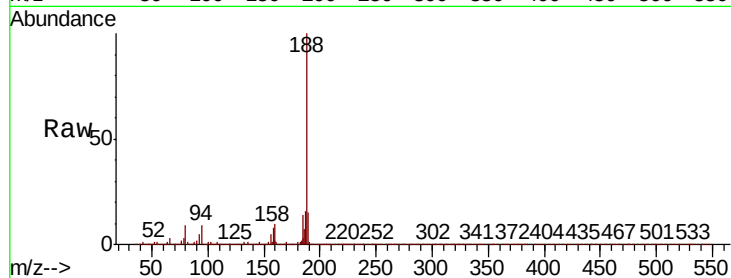
Tot Ion:188 Resp: 974752

Ion Ratio Lower Upper

188 100

94 8.6 8.5 12.7

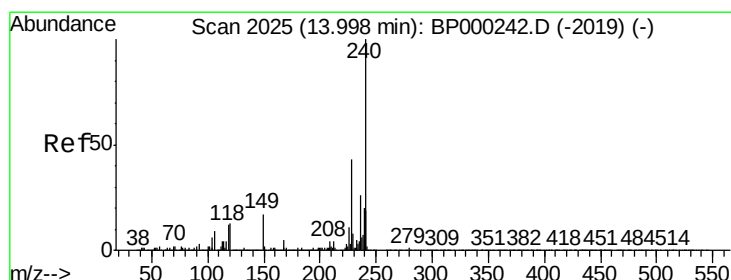
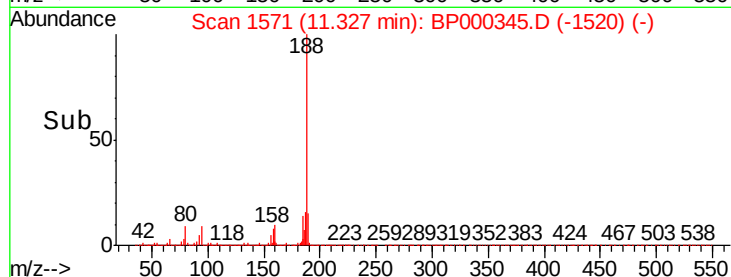
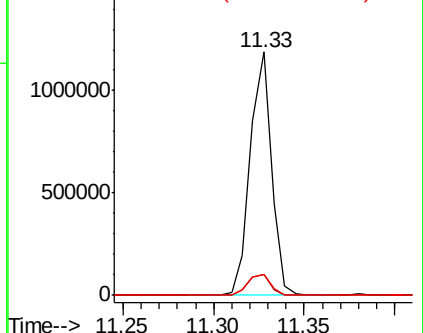
80 8.7 8.6 13.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BP000345.D

Acq: 20 Sep 2019 10:16

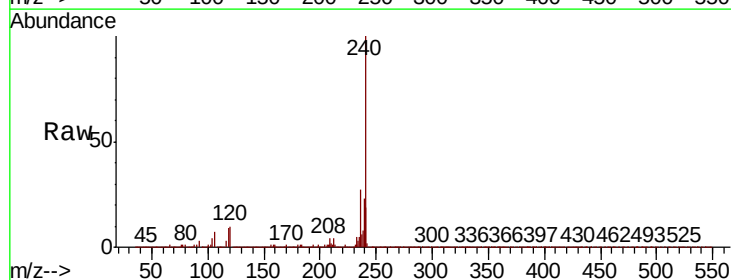
Tgt Ion:240 Resp: 900245

Ion Ratio Lower Upper

240 100

120 9.8 10.4 15.6#

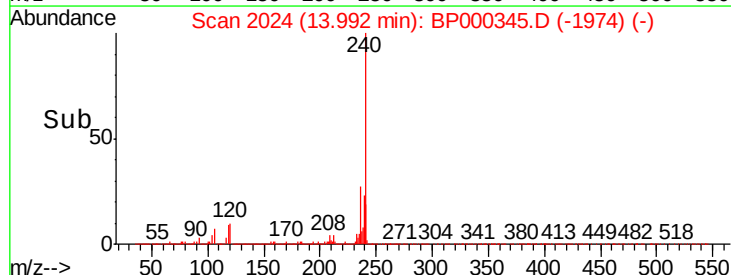
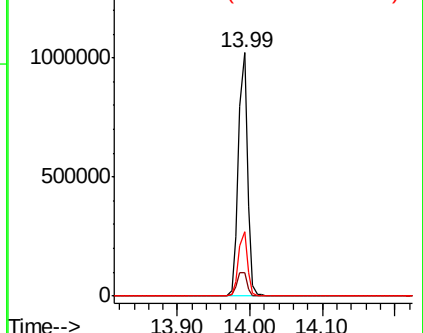
236 26.6 21.0 31.6

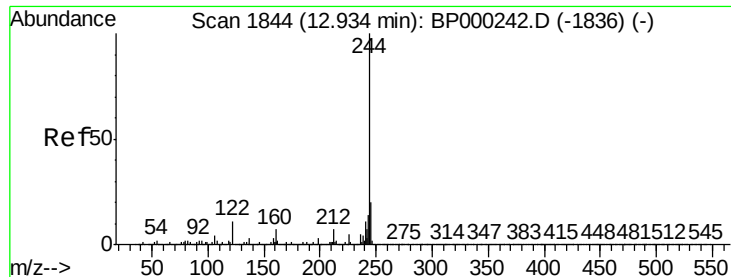


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 91.788 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BP000345.D

Acq: 20 Sep 2019 10:16

Instrument :

BNA\_P

ClientSampleId :

PB123244BL

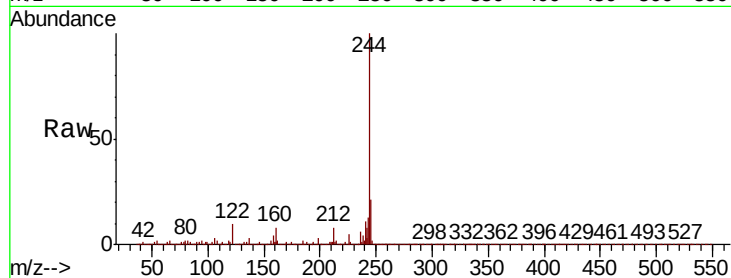
Tot Ion:244 Resp: 3938878

Ion Ratio Lower Upper

244 100

212 8.0 5.9 8.9

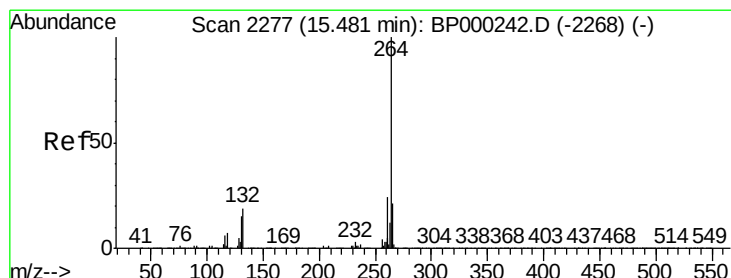
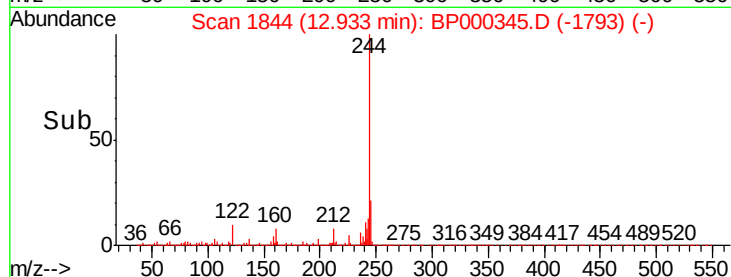
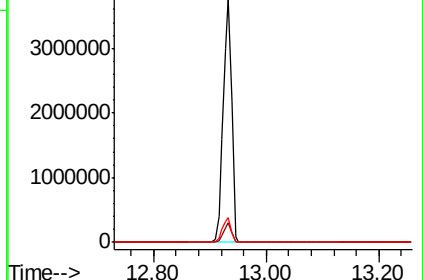
122 10.0 9.0 13.4



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: 15.47 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BP000345.D

Acq: 20 Sep 2019 10:16

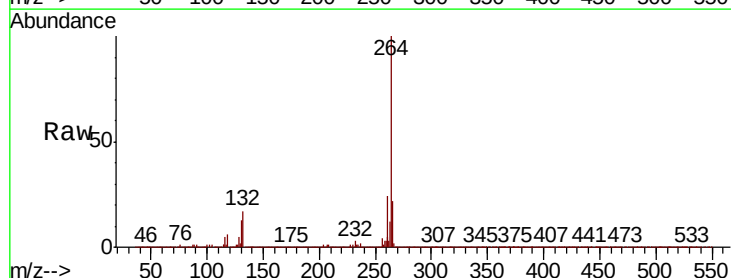
Tgt Ion:264 Resp: 989411

Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 21.6 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

