

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081915\  
 Data File : BF081105.D  
 Acq On : 20 Aug 2015 3:39  
 Operator : UM/IZ  
 Sample : G3304-07  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2PM-MLSP-7

Quant Time: Aug 20 04:45:49 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 17 17:57:25 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.58  | 152  | 59655    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 7.88  | 136  | 236085   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.61  | 164  | 111203   | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10        | 11.09 | 188  | 238160   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12            | 13.71 | 240  | 215836   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 15.04 | 264  | 171719   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.17  | 112  | 514671   | 129.77 | ng    | -0.02    |
| 7) Phenol-d6                | 6.24  | 99   | 715035   | 138.17 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.16  | 82   | 428745   | 82.96  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.40 | 330  | 132302   | 137.25 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 8.95  | 172  | 722024   | 85.07  | ng    | -0.04    |
| 78) Terphenyl-d14           | 12.68 | 244  | 770487   | 76.53  | ng    | -0.03    |

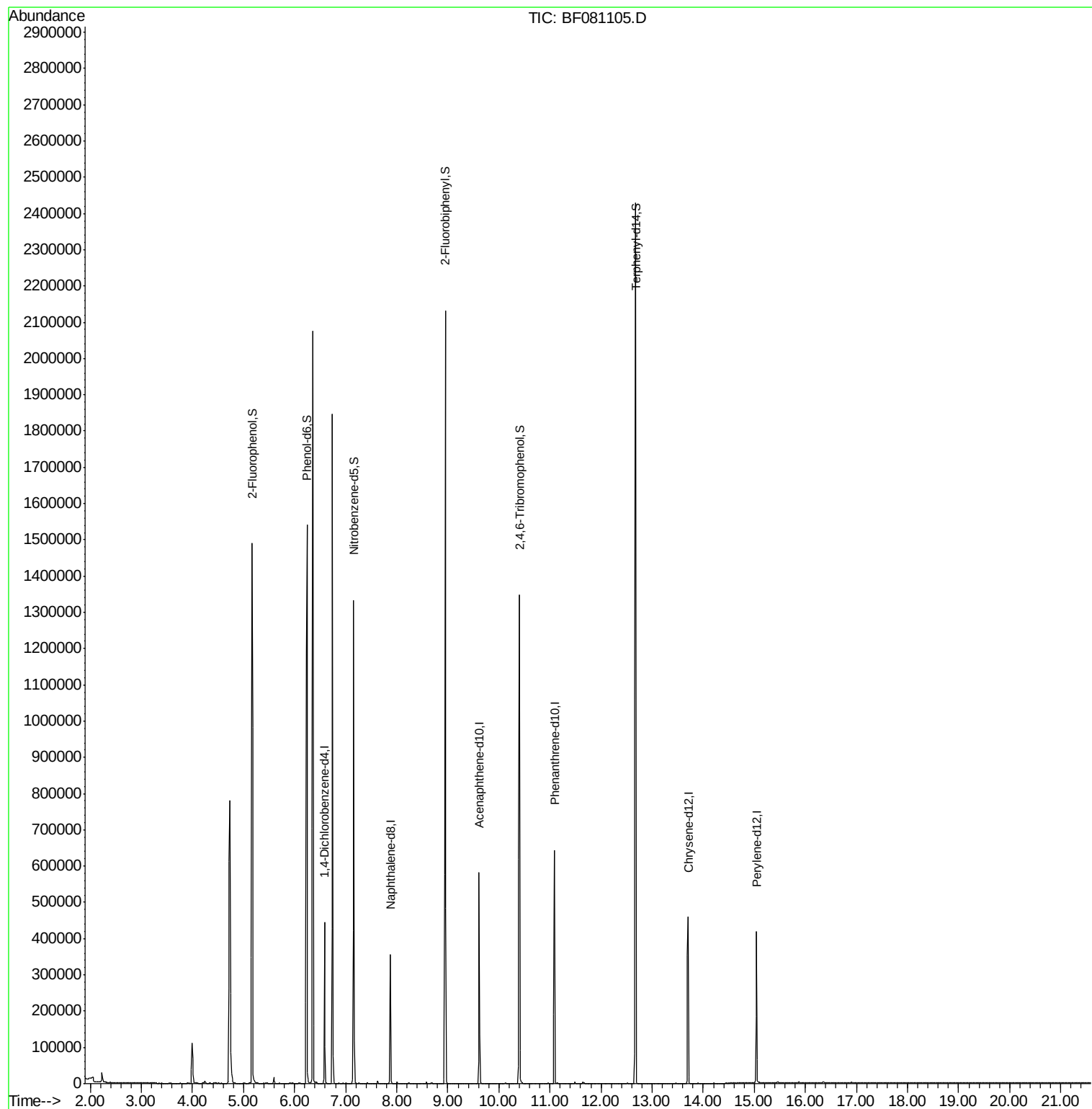
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

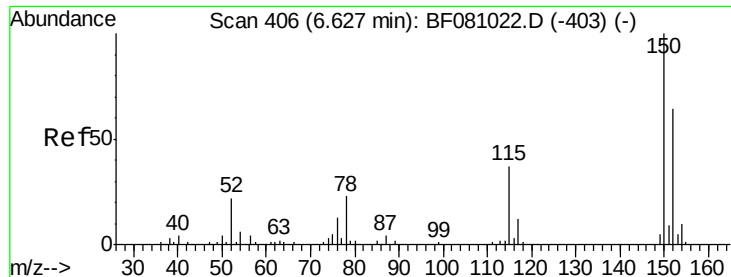
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 17 17:57:25 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 411

Delta R.T. -0.04 min

Lab File: BF081105.D

Acq: 20 Aug 2015 3:39

Instrument :

BNA\_F

ClientSampleId :

E2PM-MLSP-7

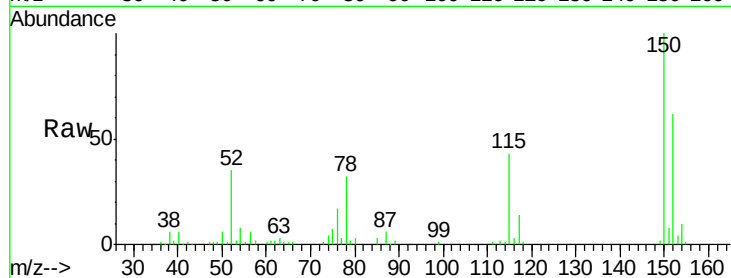
Tgt Ion:152 Resp: 59655

Ion Ratio Lower Upper

152 100

150 161.2 123.8 185.6

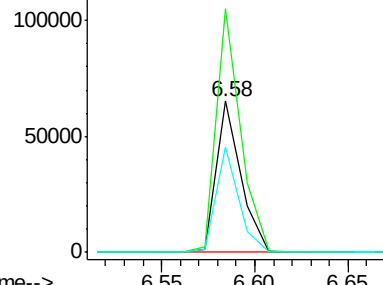
115 69.4 52.1 78.1



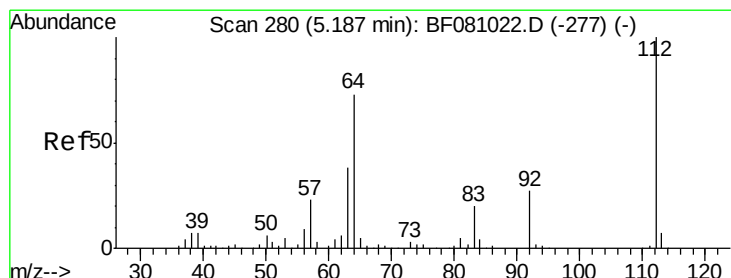
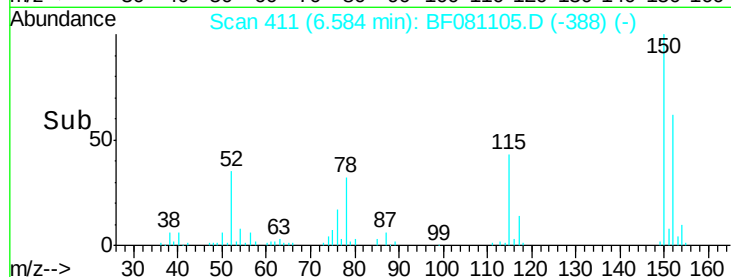
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 129.77 ng

RT: 5.17 min Scan# 287

Delta R.T. -0.02 min

Lab File: BF081105.D

Acq: 20 Aug 2015 3:39

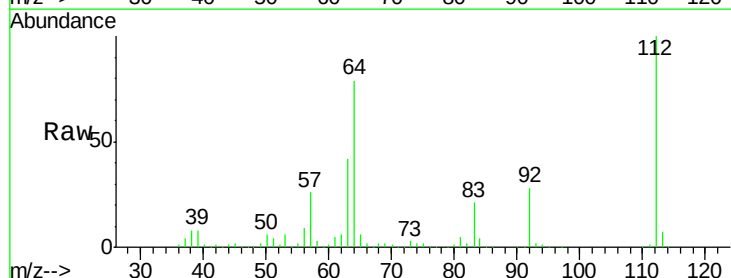
Tgt Ion:112 Resp: 514671

Ion Ratio Lower Upper

112 100

64 79.0 66.9 100.3

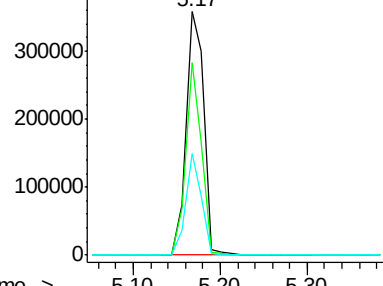
63 42.0 38.1 57.1



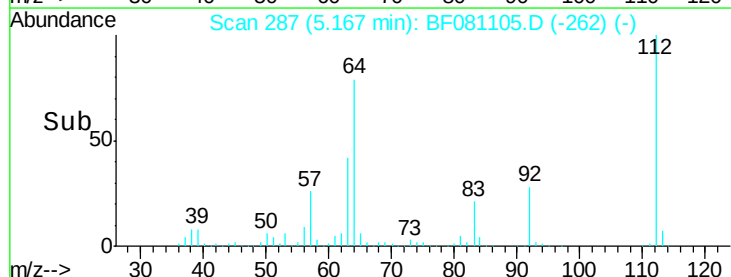
Abundance Ion 112.00 (111.70 to 112.70): E

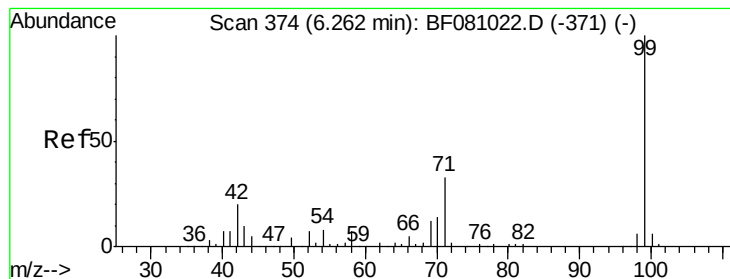
Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->





#7

Phenol-d6

Concen: 138.17 ng

RT: 6.24 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF081105.D

Acq: 20 Aug 2015 3:39

Instrument :

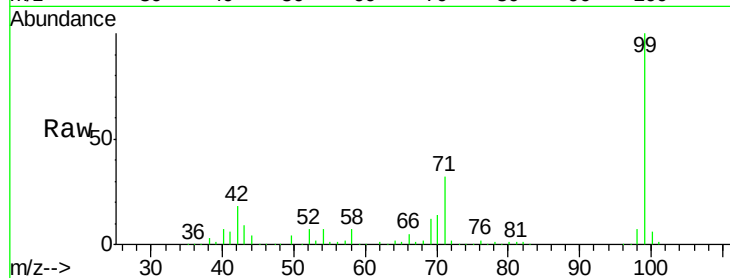
BNA\_F

ClientSampleId :

E2PM-MLSP-7

Tgt Ion: 99 Resp: 715035

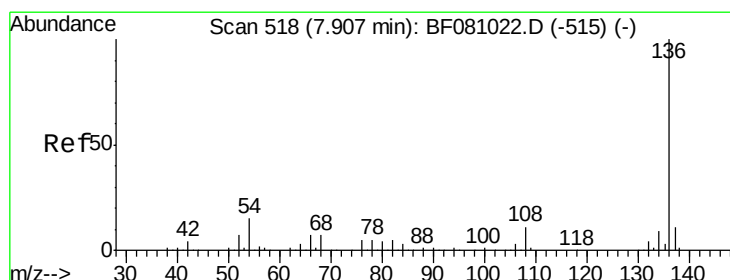
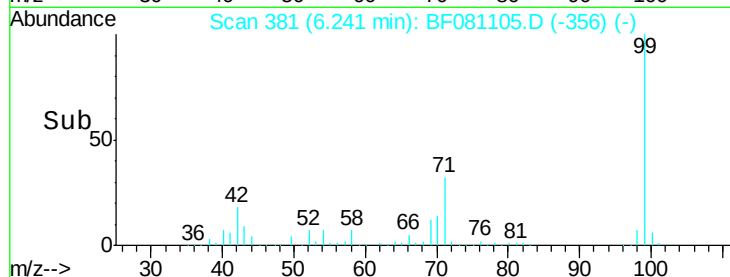
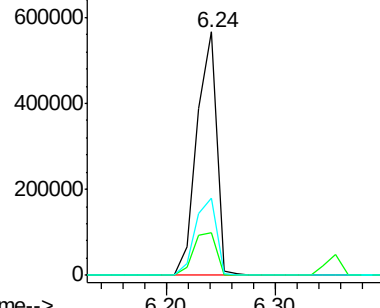
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.6  | 19.6  | 29.4# |
| 71  | 31.8  | 31.2  | 46.8  |



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 524

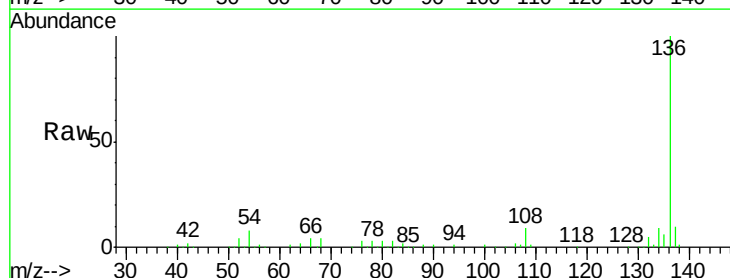
Delta R.T. -0.03 min

Lab File: BF081105.D

Acq: 20 Aug 2015 3:39

Tgt Ion: 136 Resp: 236085

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.3  | 8.2   | 12.2  |
| 54  | 8.0   | 7.7   | 11.5  |
| 68  | 4.5   | 3.4   | 5.2   |

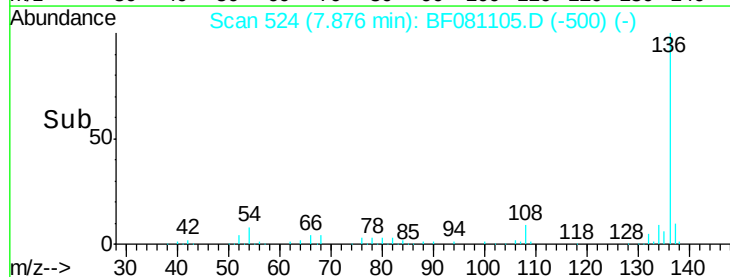
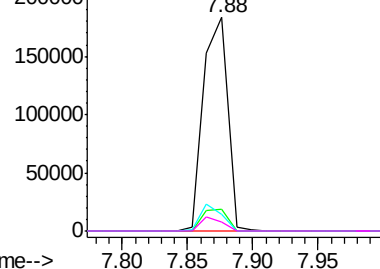


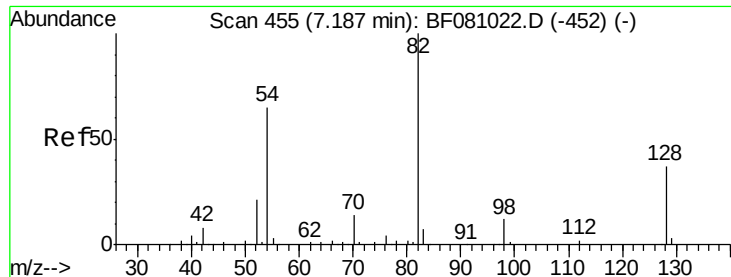
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

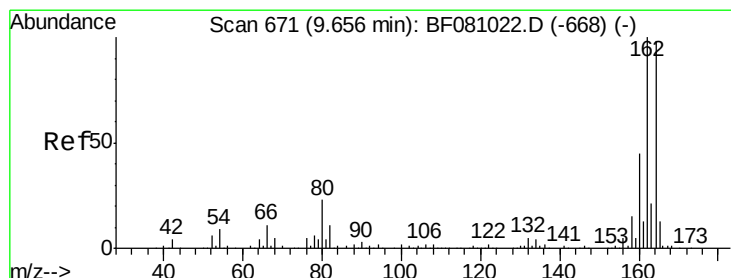
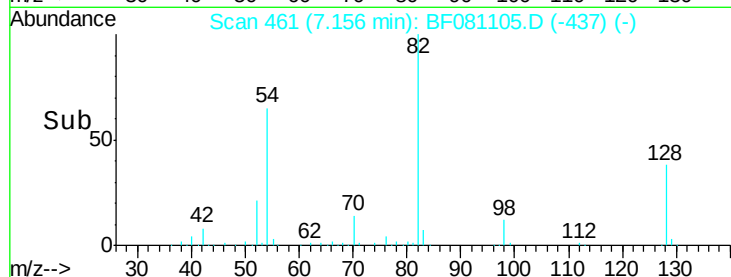
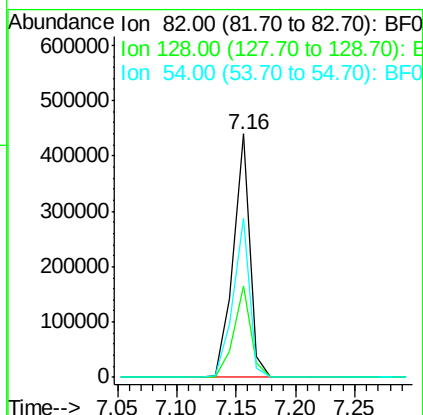
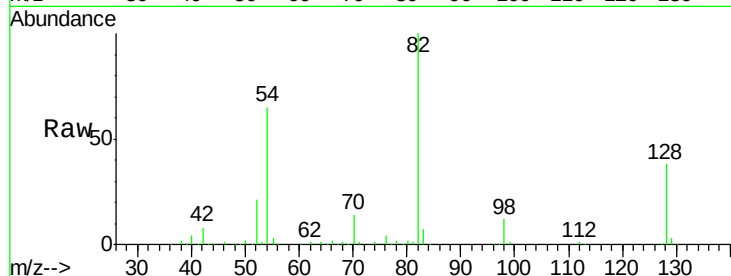




#23  
 Nitrobenzene-d5  
 Concen: 82.96 ng  
 RT: 7.16 min Scan# 461  
 Delta R.T. -0.03 min  
 Lab File: BF081105.D  
 Acq: 20 Aug 2015 3:39

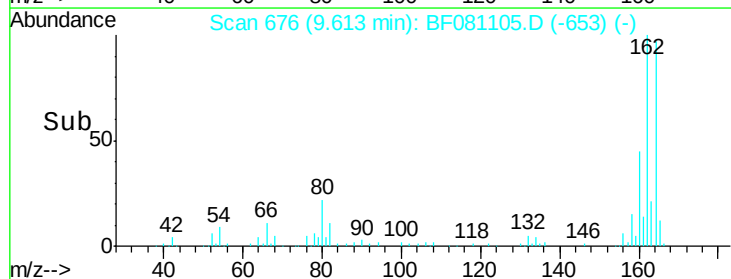
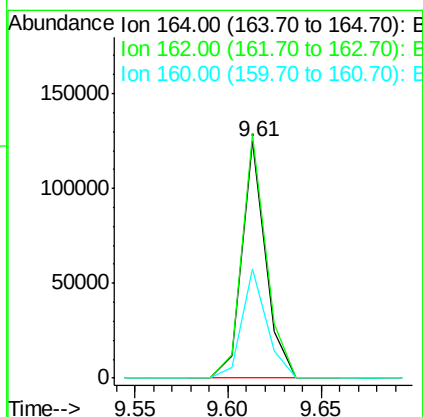
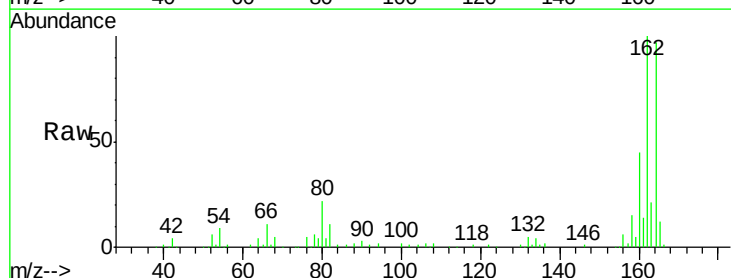
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2PM-MLSP-7

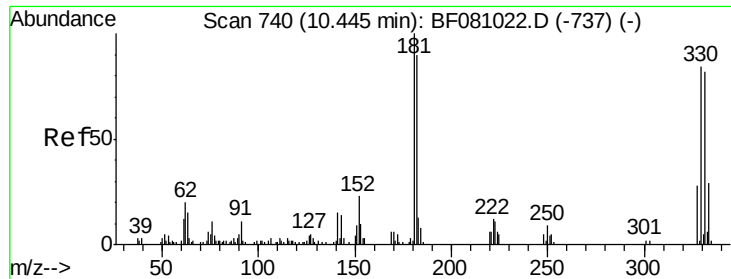
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 37.6  | 28.6  | 42.8  |
| 54      | 65.4  | 55.1  | 82.7  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.61 min Scan# 676  
 Delta R.T. -0.04 min  
 Lab File: BF081105.D  
 Acq: 20 Aug 2015 3:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.8 | 83.8  | 125.8 |
| 160     | 46.0  | 39.8  | 59.8  |





#41

2,4,6-Tribromophenol

Concen: 137.25 ng

RT: 10.40 min Scan# 745

Delta R.T. -0.04 min

Lab File: BF081105.D

Acq: 20 Aug 2015 3:39

Instrument :

BNA\_F

ClientSampleId :

E2PM-MLSP-7

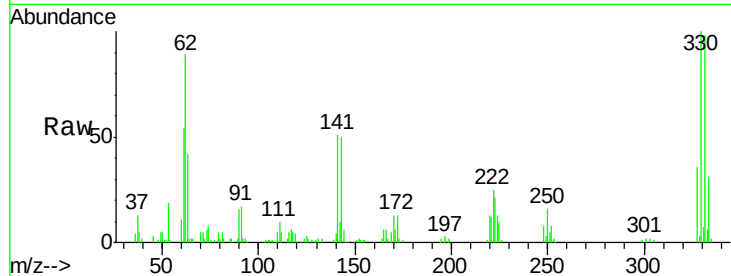
Tgt Ion:330 Resp: 132302

Ion Ratio Lower Upper

330 100

332 98.0 77.3 115.9

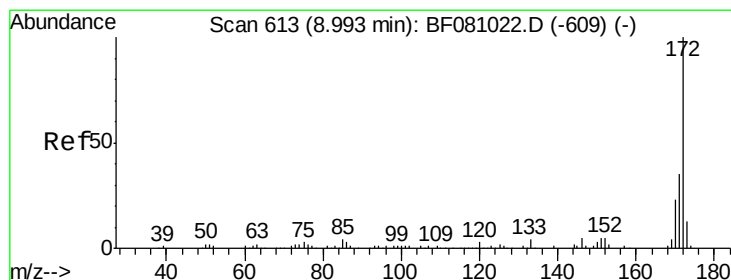
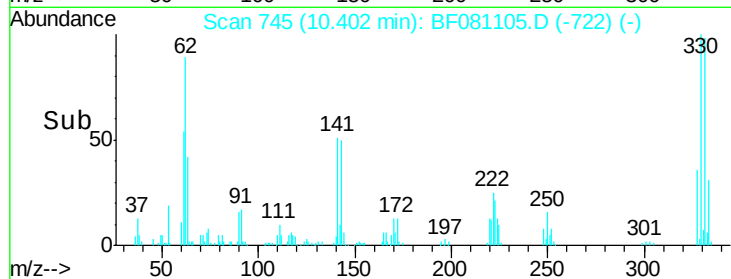
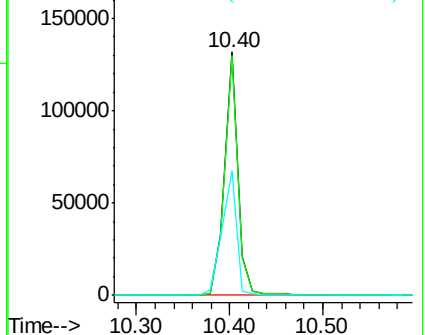
141 55.0 44.9 67.3



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



#44

2-Fluorobiphenyl

Concen: 85.07 ng

RT: 8.95 min Scan# 618

Delta R.T. -0.04 min

Lab File: BF081105.D

Acq: 20 Aug 2015 3:39

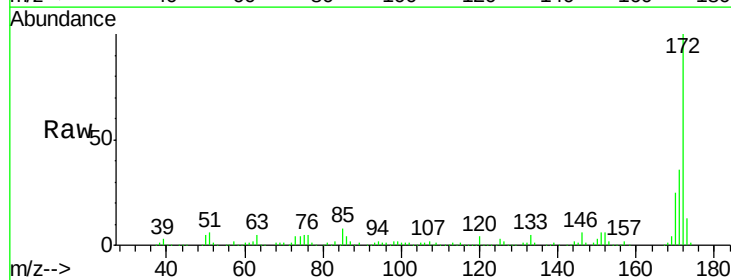
Tgt Ion:172 Resp: 722024

Ion Ratio Lower Upper

172 100

171 36.1 28.9 43.3

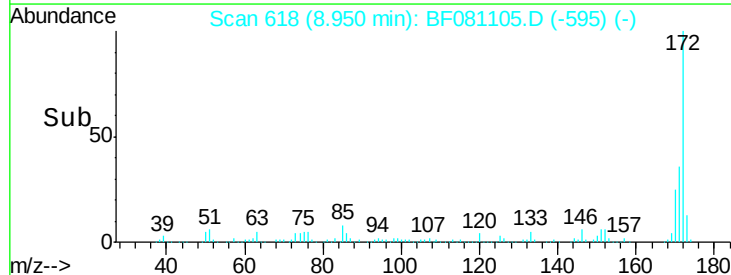
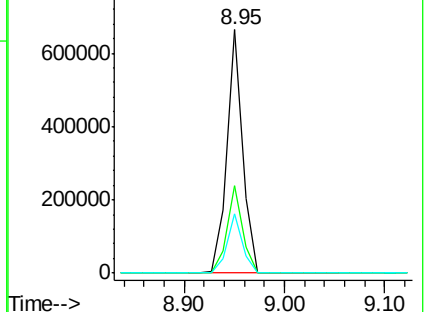
170 24.5 19.4 29.2

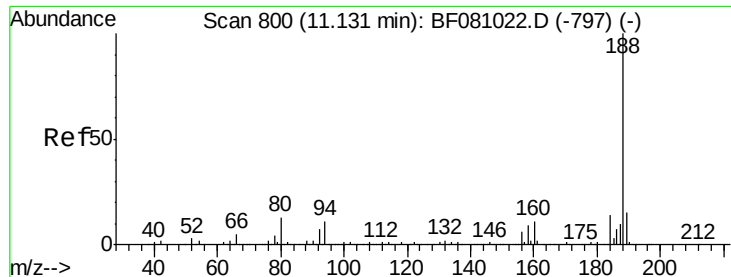


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

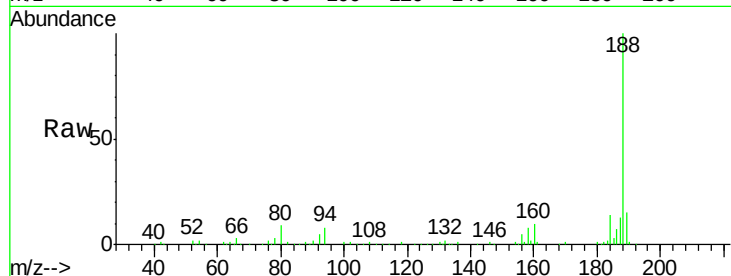




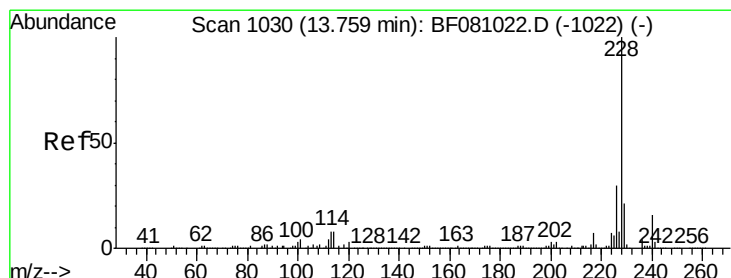
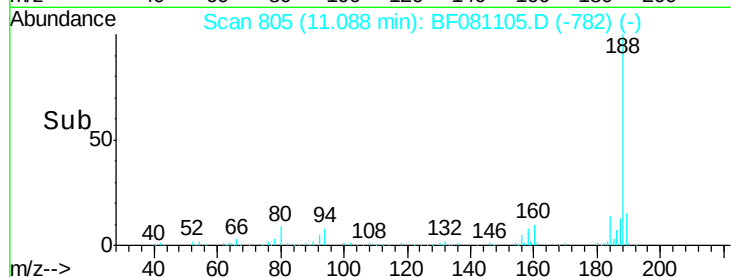
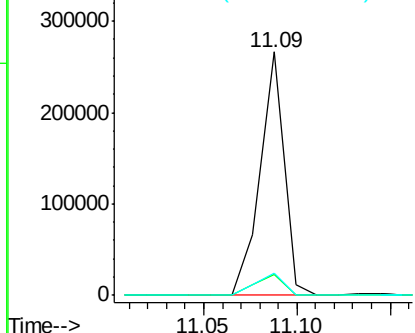
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.09 min Scan# 805  
Delta R.T. -0.04 min  
Lab File: BF081105.D  
Acq: 20 Aug 2015 3:39

Instrument :  
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ClientSampleId :  
E2PM-MLSP-7

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.4   | 8.2   | 12.2  |
| 80      | 9.2   | 9.5   | 14.3# |

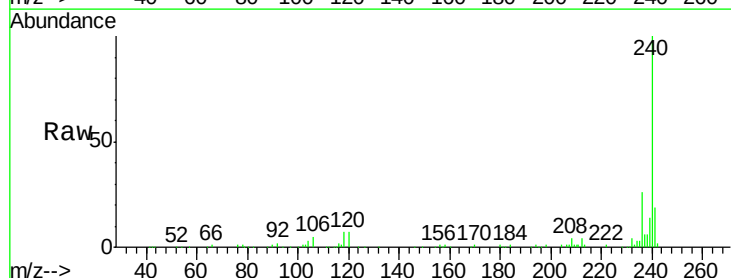


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

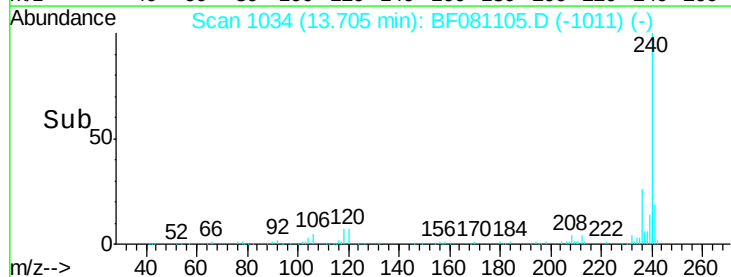
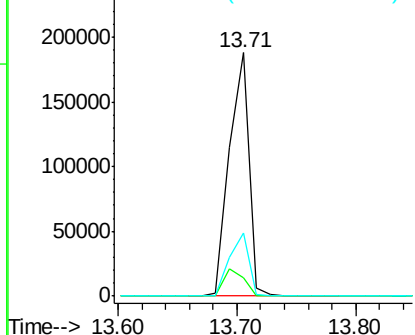


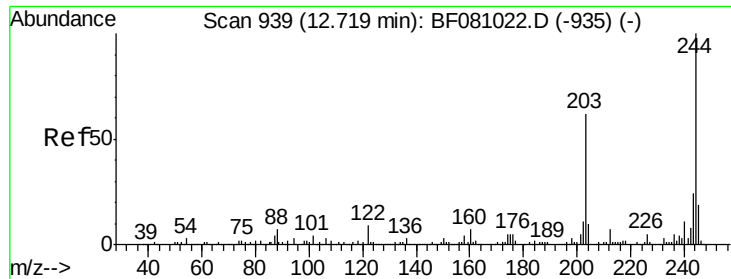
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.71 min Scan# 1034  
Delta R.T. -0.04 min  
Lab File: BF081105.D  
Acq: 20 Aug 2015 3:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.4   | 5.6   | 8.4   |
| 236     | 25.8  | 20.6  | 30.8  |



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

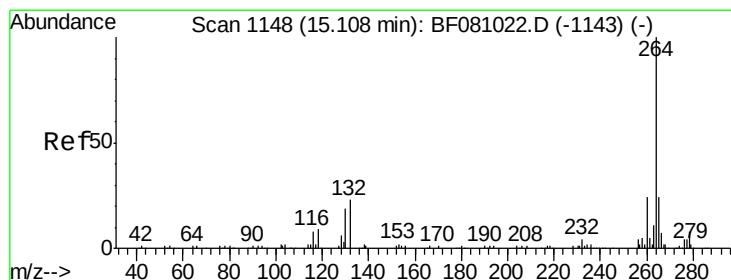
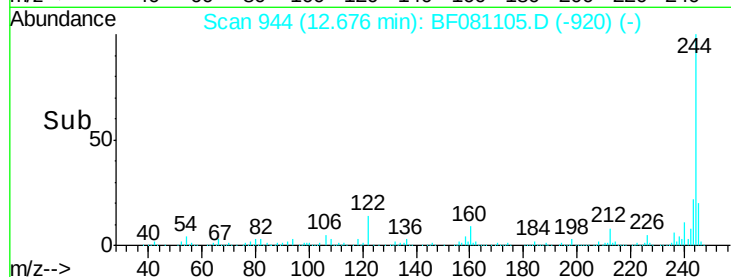
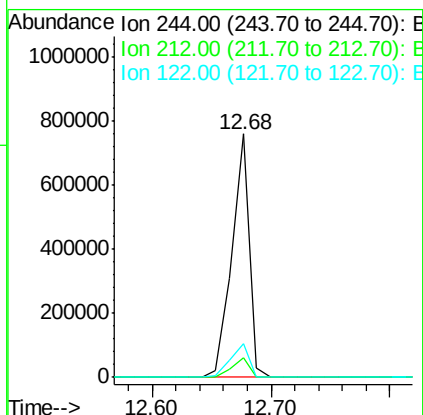
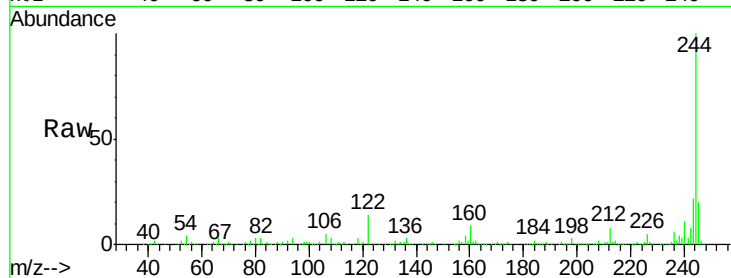




#78  
 Terphenyl-d14  
 Concen: 76.53 ng  
 RT: 12.68 min Scan# 944  
 Delta R.T. -0.03 min  
 Lab File: BF081105.D  
 Acq: 20 Aug 2015 3:39

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Tgt Ion: 244 Resp: 770487  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 5.8 8.8  
 122 14.0 8.2 12.4#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.04 min Scan# 1151  
 Delta R.T. -0.05 min  
 Lab File: BF081105.D  
 Acq: 20 Aug 2015 3:39

Tgt Ion: 264 Resp: 171719  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 19.6 29.4  
 265 21.7 17.5 26.3

