

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091117\  
 Data File : BF098418.D  
 Acq On : 11 Sep 2017 22:44  
 Operator : SJ/JU  
 Sample : I5138-04  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EME-UTS-TS001-02

Manual Integrations  
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9/12/2017 6:02:13 PM

Quant Time: Sep 12 02:47:53 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 11 19:42:20 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.67  | 152  | 235043   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.95  | 136  | 979276   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.70  | 164  | 430557   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.18 | 188  | 738054   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.81 | 240  | 384189   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.21 | 264  | 356451   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 1807540  | 113.70 | ng    | 0.00     |
| 7) Phenol-d6                | 6.32  | 99   | 2261736  | 112.06 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.24  | 82   | 1416131  | 80.62  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.49 | 330  | 346376   | 120.54 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.03  | 172  | 1690554  | 66.55  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.76 | 244  | 1077945  | 60.56  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.33  | 94   | 93825    | 4.002  | ng    | 95       |
| 49) Dimethylphthalate       | 9.42  | 163  | 373899   | 11.219 | ng    | 99       |
| 74) Fluoranthene            | 12.39 | 202  | 110259   | 2.815  | ng    | 99       |
| 77) Pyrene                  | 12.62 | 202  | 85389    | 2.817  | ng    | 99       |

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

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091117\  
Data File : BF098418.D  
Acq On : 11 Sep 2017 22:44  
Operator : SJ/JU  
Sample : I5138-04  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

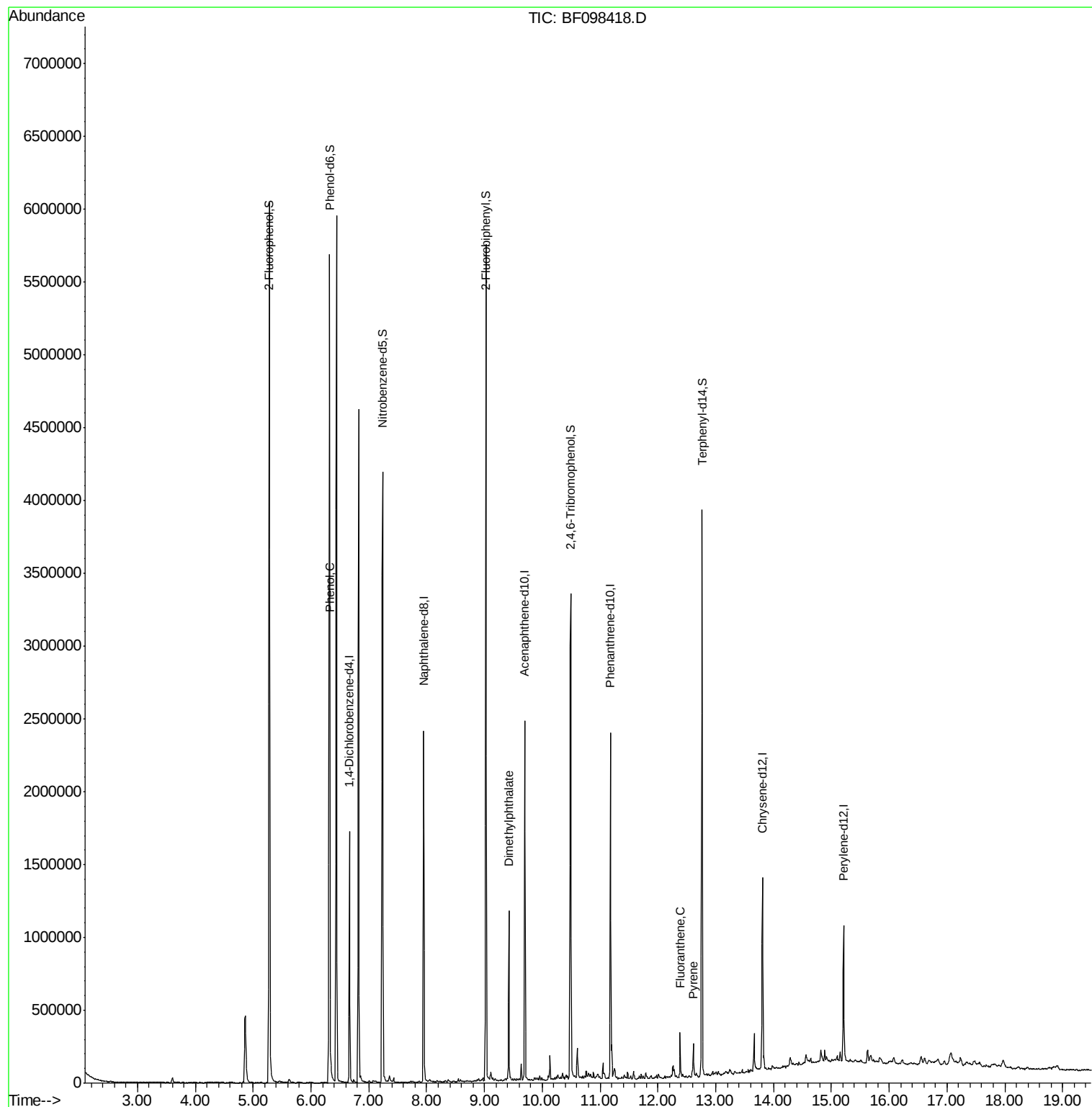
Instrument :  
BNA\_F  
ClientSampleId :  
EME-UTS-TS001-02

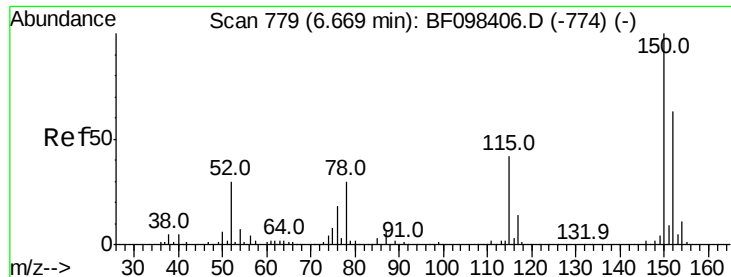
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Quant Time: Sep 12 02:47:53 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 11 19:42:20 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.67 min Scan# 779  
Delta R.T. 0.00 min  
Lab File: BF098418.D  
Acq: 11 Sep 2017 22:44

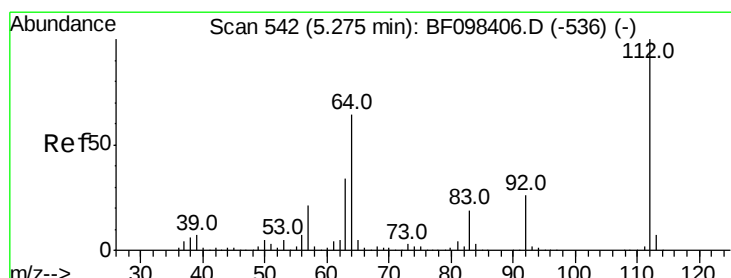
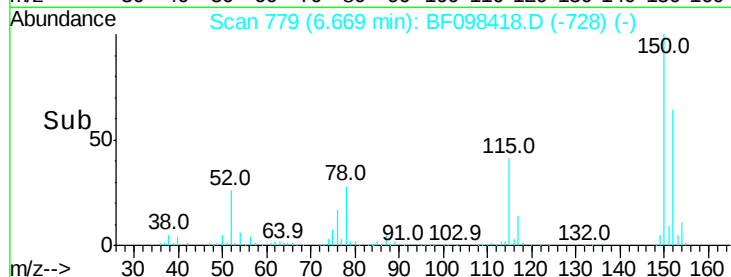
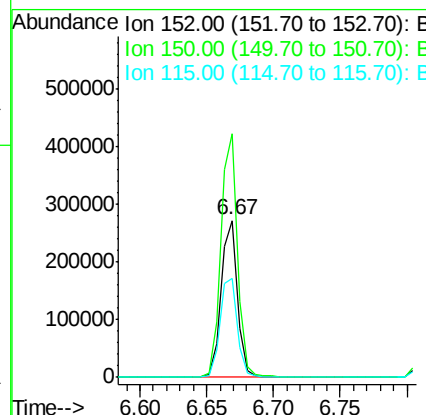
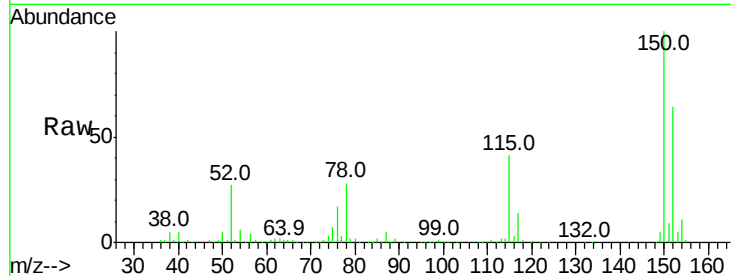
Instrument :  
BNA\_F  
ClientSampleId :  
EME-UTS-TS001-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.3 | 126.2 | 189.2 |
| 115     | 63.0  | 52.2  | 78.2  |

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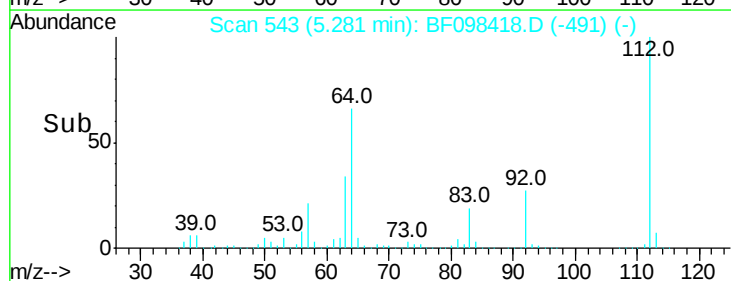
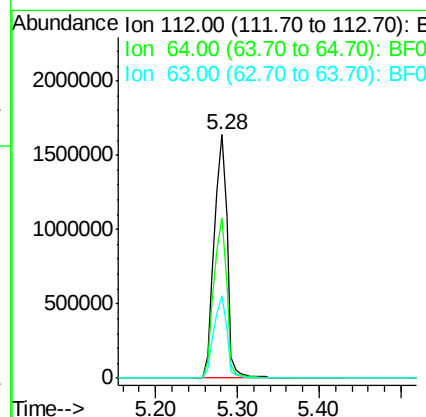
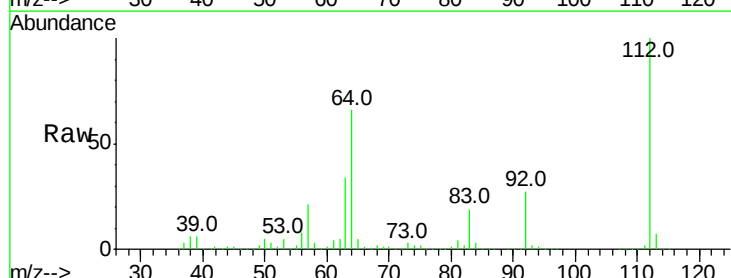
9/12/2017 6:02:13 PM



#5

2-Fluorophenol  
Concen: 113.702 ng  
RT: 5.28 min Scan# 543  
Delta R.T. 0.01 min  
Lab File: BF098418.D  
Acq: 11 Sep 2017 22:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.0  | 46.0  | 69.0  |
| 63      | 34.0  | 23.4  | 35.0  |





#7

Phenol-d6

Concen: 112.056 ng

RT: 6.32 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF098418.D

Acq: 11 Sep 2017 22:44

Instrument :

BNA\_F

ClientSampleId :

EME-UTS-TS001-02

Tot Ion: 99 Resp: 2261736

Ion Ratio Lower Upper

99 100

42 19.4 13.5 20.3

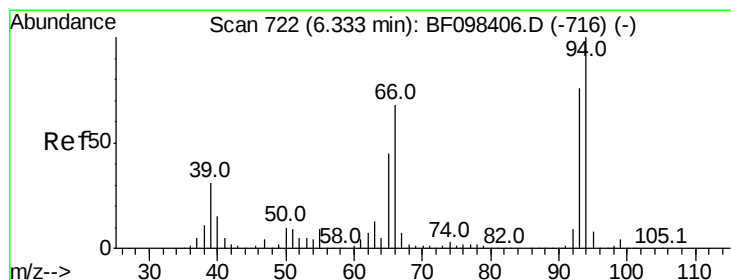
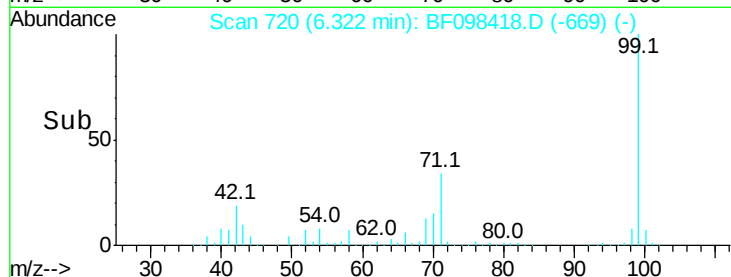
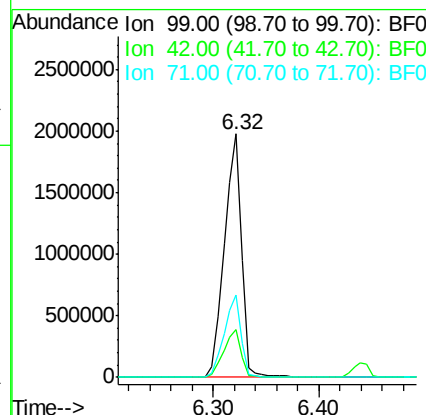
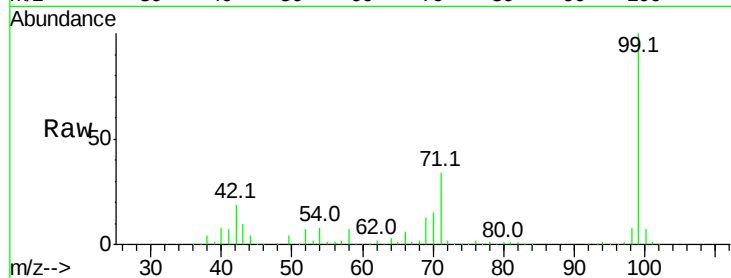
71 33.6 24.5 36.7

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#10

Phenol

Concen: 4.002 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF098418.D

Acq: 11 Sep 2017 22:44

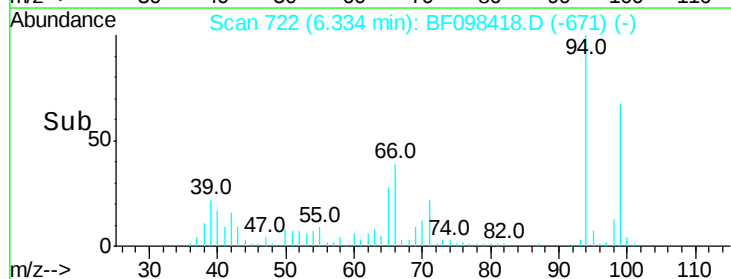
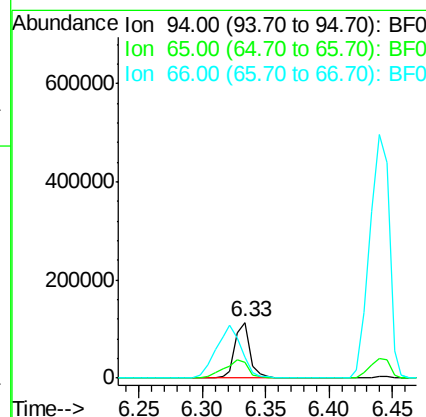
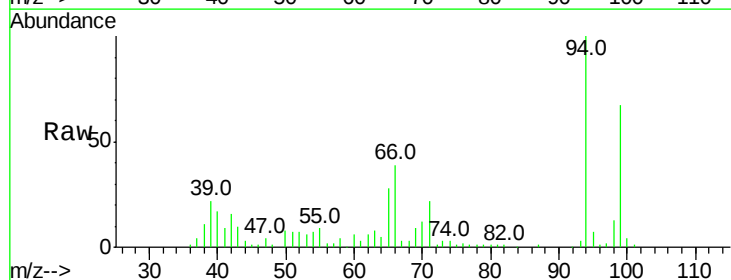
Tgt Ion: 94 Resp: 93825

Ion Ratio Lower Upper

94 100

65 28.3 9.9 49.9

66 38.5 23.1 63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF098418.D

Acq: 11 Sep 2017 22:44

Instrument :

BNA\_F

ClientSampleId :

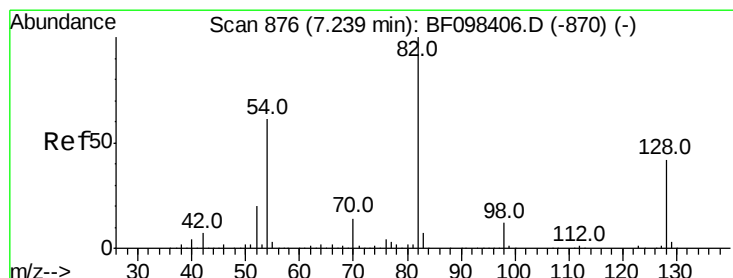
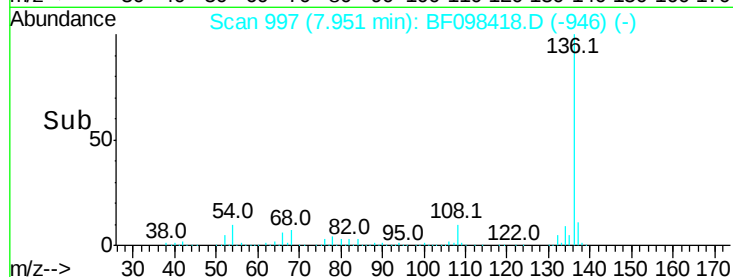
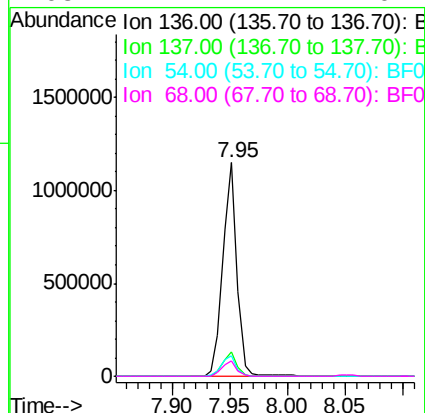
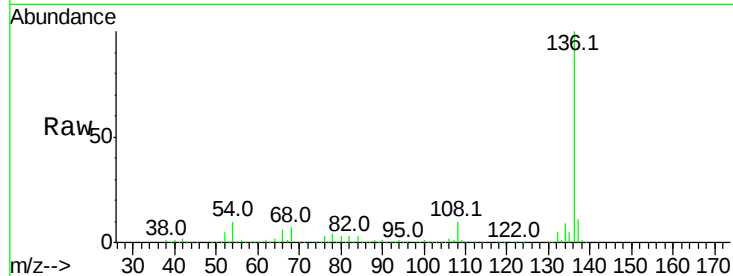
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| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.2  | 8.5  | 12.7  |       |
| 54      | 9.9   | 4.9  | 7.3   |       |
| 68      | 7.1   | 4.1  | 6.1   |       |

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#23

Nitrobenzene-d5

Concen: 80.619 ng

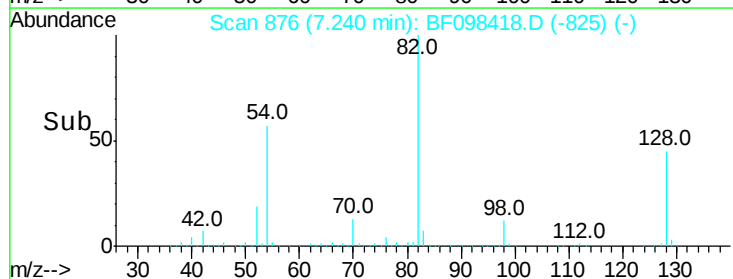
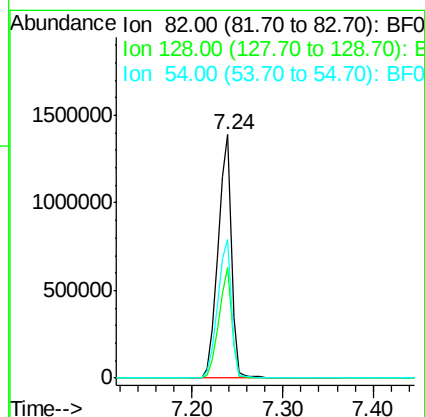
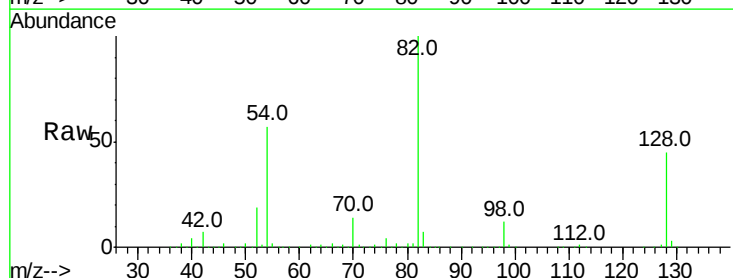
RT: 7.24 min Scan# 876

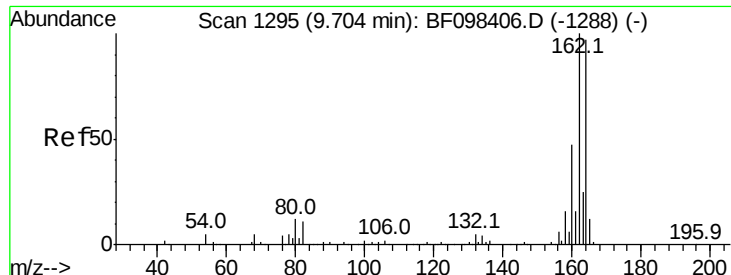
Delta R.T. 0.00 min

Lab File: BF098418.D

Acq: 11 Sep 2017 22:44

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 45.2  | 34.0 | 51.0  |       |
| 54      | 57.0  | 42.2 | 63.2  |       |





#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.70 min Scan# 1294  
Delta R.T. -0.01 min  
Lab File: BF098418.D  
Acq: 11 Sep 2017 22:44

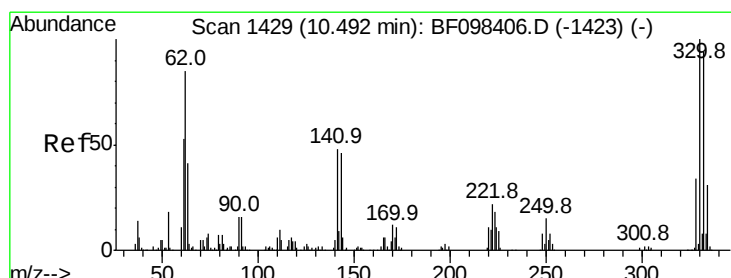
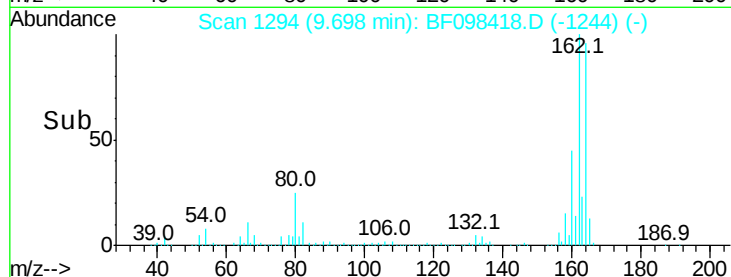
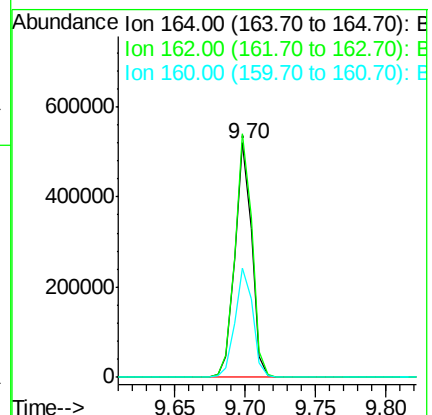
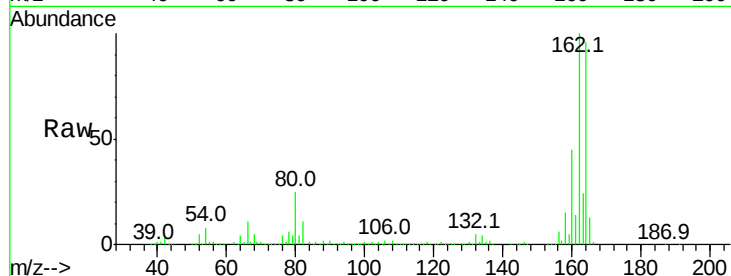
Instrument :  
BNA\_F  
ClientSampleId :  
EME-UTS-TS001-02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 103.8 | 82.6 | 123.8 |       |
| 160     | 46.8  | 36.2 | 54.2  |       |

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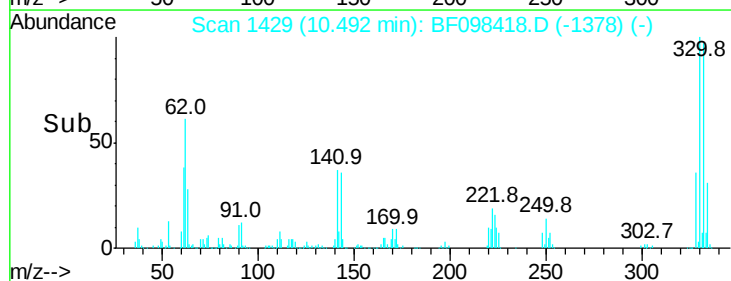
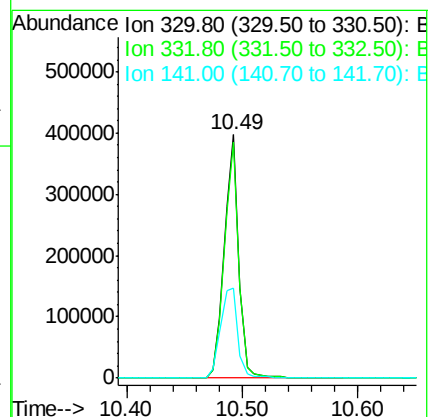
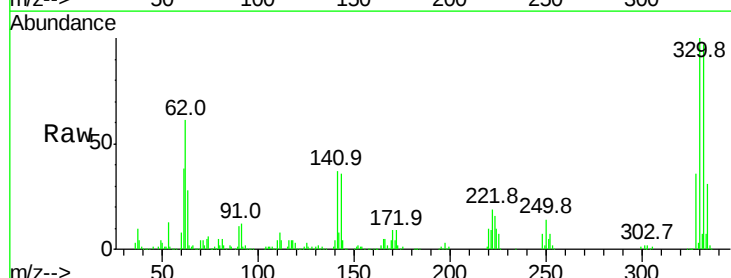
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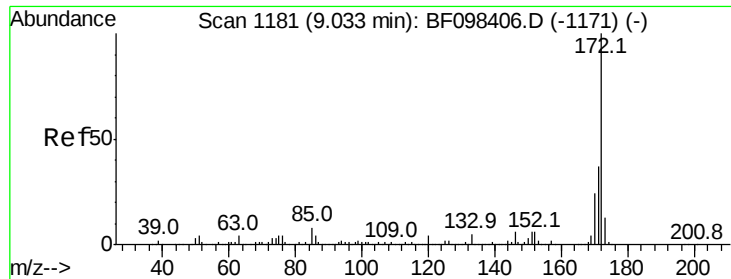
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#41  
2,4,6-Tribromophenol  
Concen: 120.537 ng  
RT: 10.49 min Scan# 1429  
Delta R.T. 0.00 min  
Lab File: BF098418.D  
Acq: 11 Sep 2017 22:44

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 97.2  | 76.6 | 115.0 |       |
| 141     | 44.1  | 31.4 | 47.2  |       |





#44  
2-Fluorobiphenyl  
Concen: 66.550 ng  
RT: 9.03 min Scan# 1180  
Delta R.T. -0.01 min  
Lab File: BF098418.D  
Acq: 11 Sep 2017 22:44

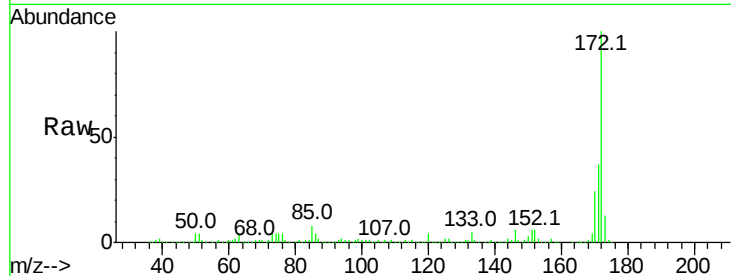
Instrument :  
BNA\_F  
ClientSampleId :  
EME-UTS-TS001-02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 29.6  | 44.4  |
| 170     | 24.1  | 19.8  | 29.8  |

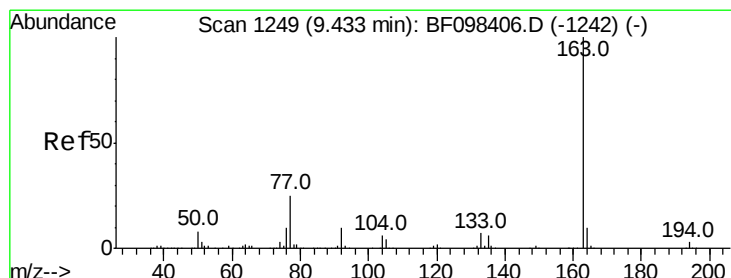
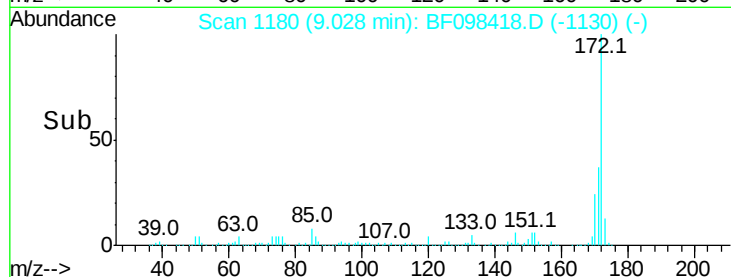
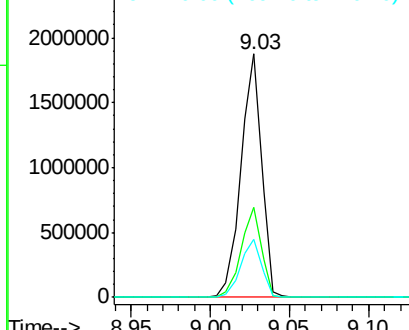
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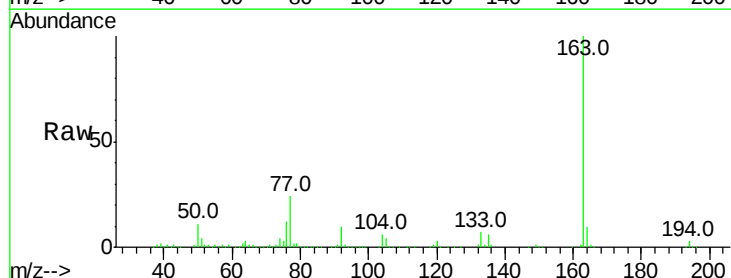


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

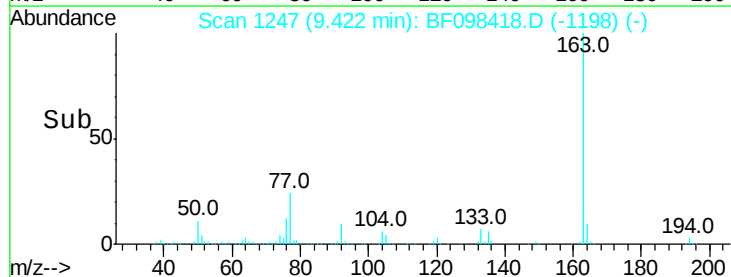
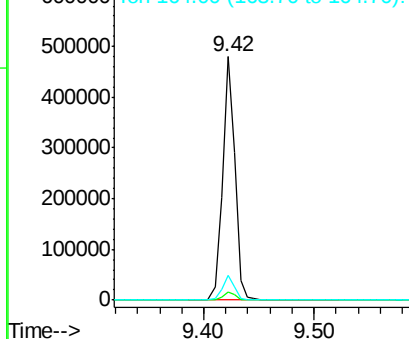


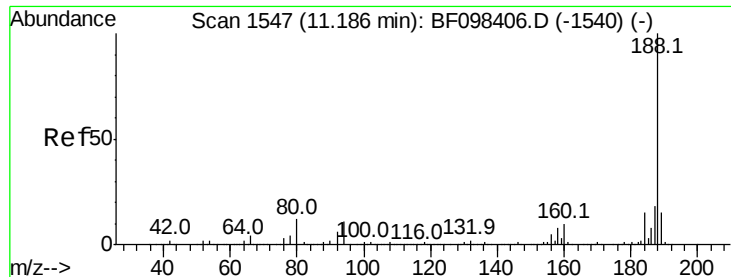
#49  
Dimethylphthalate  
Concen: 11.219 ng  
RT: 9.42 min Scan# 1247  
Delta R.T. -0.01 min  
Lab File: BF098418.D  
Acq: 11 Sep 2017 22:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.2   | 2.6   | 4.0   |
| 164     | 10.0  | 8.4   | 12.6  |



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.18 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BF098418.D

Acq: 11 Sep 2017 22:44

Instrument :

BNA\_F

ClientSampleId :

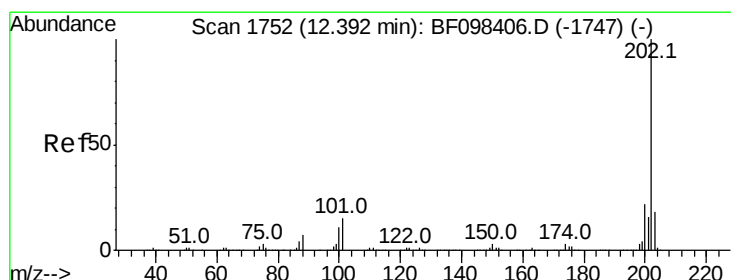
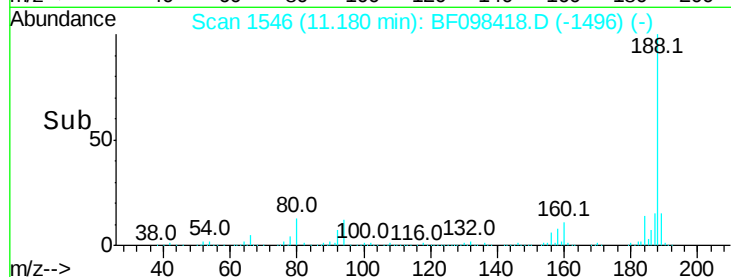
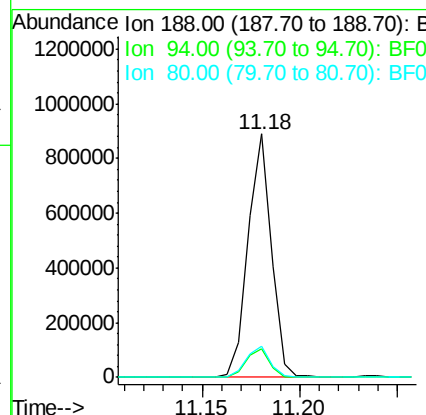
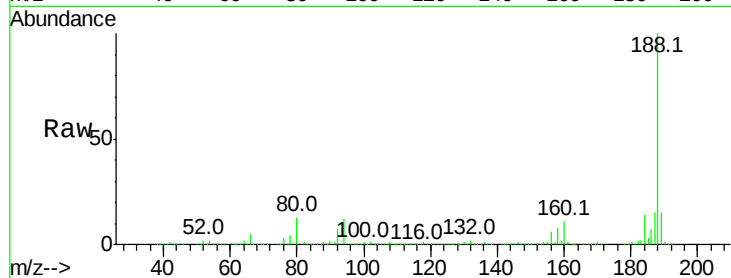
EME-UTS-TS001-02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 738054 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 11.7  | 9.4   | 14.2   |
| 80        | 12.6  | 10.2  | 15.2   |

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#74

Fluoranthene

Concen: 2.815 ng

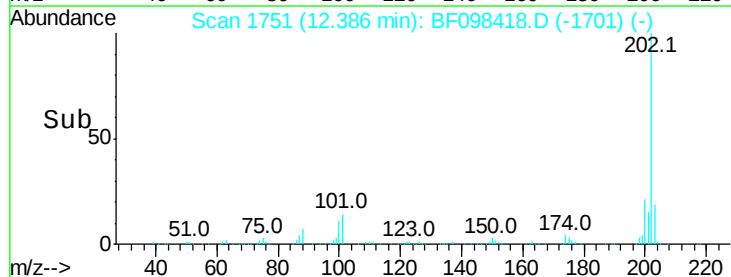
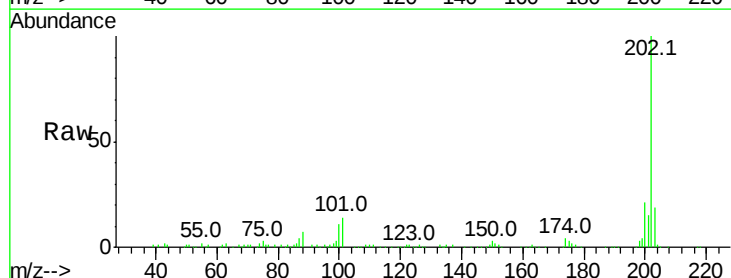
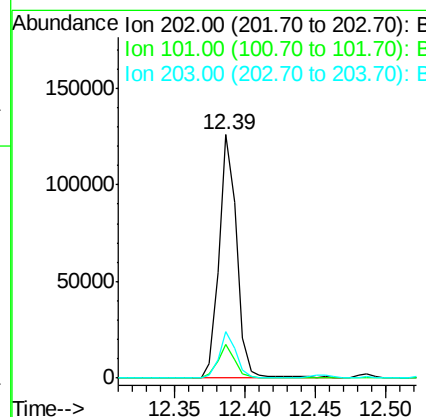
RT: 12.39 min Scan# 1751

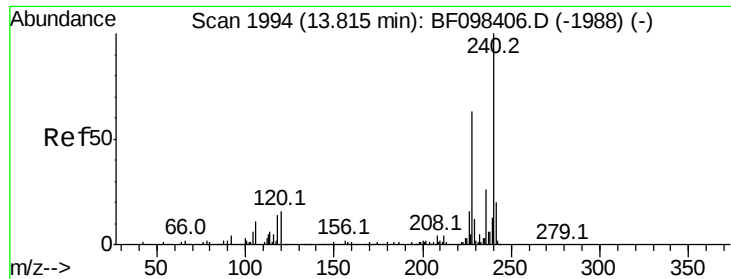
Delta R.T. -0.01 min

Lab File: BF098418.D

Acq: 11 Sep 2017 22:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 110259 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 13.6  | 0.0   | 33.2   |
| 203       | 18.8  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098418.D

Acq: 11 Sep 2017 22:44

Instrument :

BNA\_F

ClientSampleId :

EME-UTS-TS001-02

Tot Ion:240 Resp: 384189

Ion Ratio Lower Upper

240 100

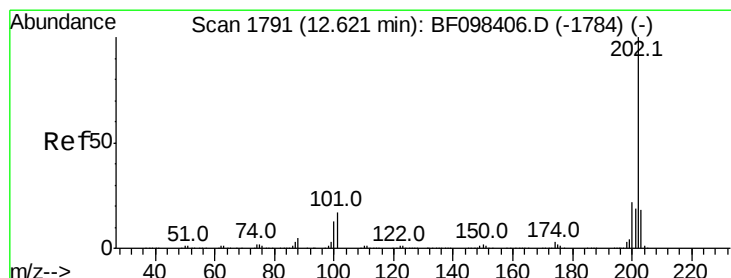
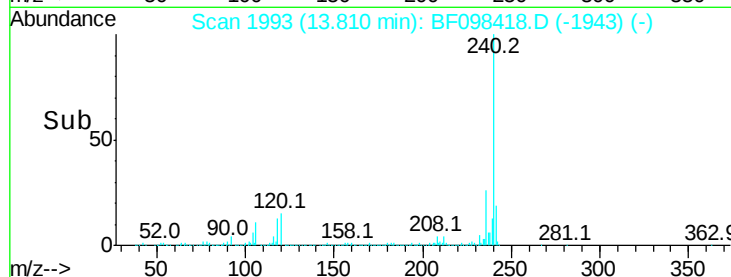
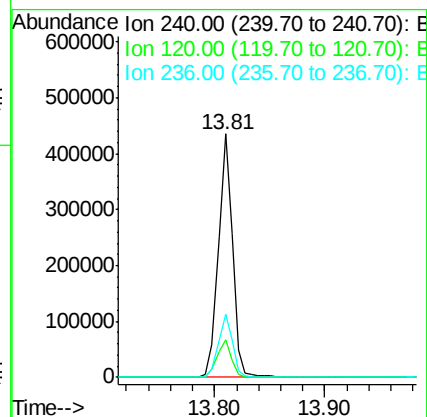
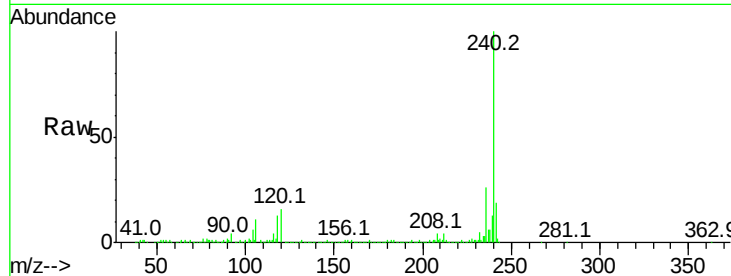
120 15.6 5.8 8.8#

236 25.7 20.5 30.7

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#77

Pyrene

Concen: 2.817 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF098418.D

Acq: 11 Sep 2017 22:44

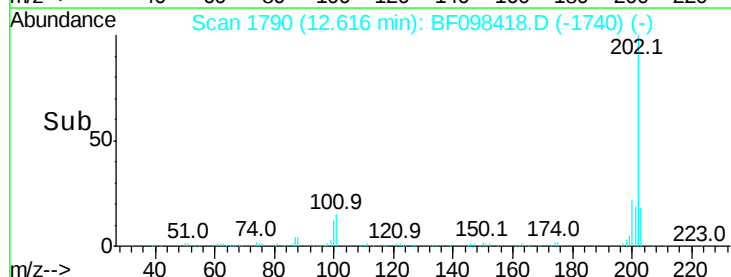
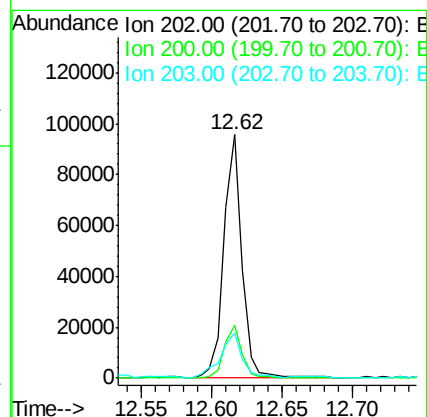
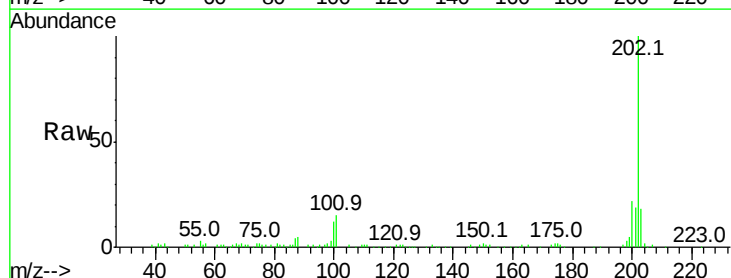
Tgt Ion:202 Resp: 85389

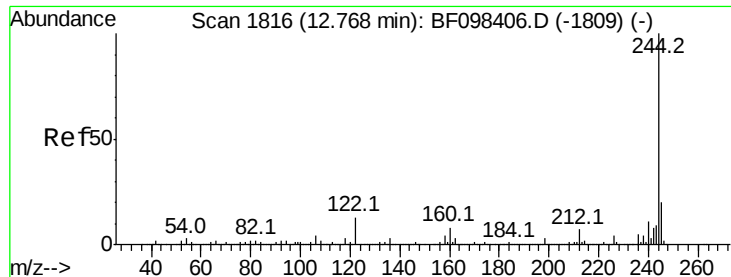
Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

203 18.3 14.4 21.6





#78  
 Terphenyl-d14  
 Concen: 60.561 ng  
 RT: 12.76 min Scan# 1815  
 Delta R.T. -0.01 min  
 Lab File: BF098418.D  
 Acq: 11 Sep 2017 22:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EME-UTS-TS001-02

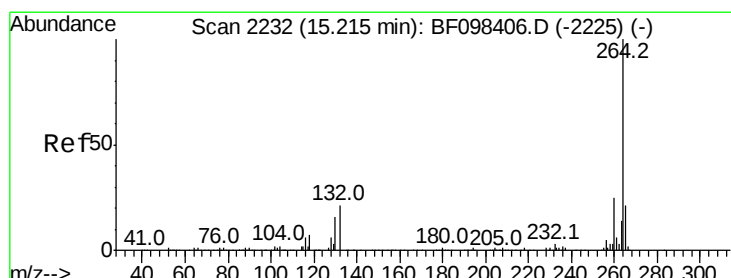
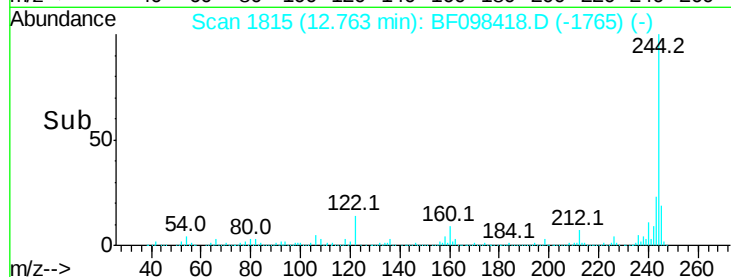
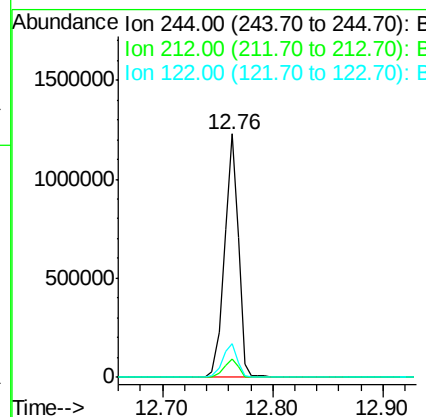
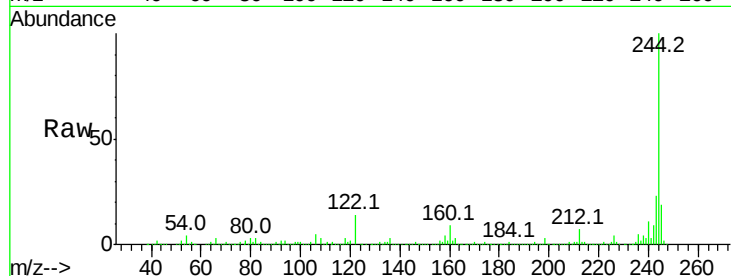
Tot Ion:244 Resp: 1077945  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.4   | 6.0   | 9.0   |
| 122 | 14.0  | 10.3  | 15.5  |

Manual Integrations  
 APPROVED

Sohil

9/12/2017 6:02:13 PM



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.21 min Scan# 2231  
 Delta R.T. -0.01 min  
 Lab File: BF098418.D  
 Acq: 11 Sep 2017 22:44

Tgt Ion:264 Resp: 356451  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.5  | 19.5  | 29.3  |
| 265 | 21.8  | 17.2  | 25.8  |

