

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122515\  
 Data File : BM003811.D  
 Acq On : 25 Dec 2015 11:43  
 Operator : UM/SJ  
 Sample : G4956-02  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 W-21

Quant Time: Dec 25 22:57:42 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM120915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 09 18:52:47 2015  
 Response via : Initial Calibration

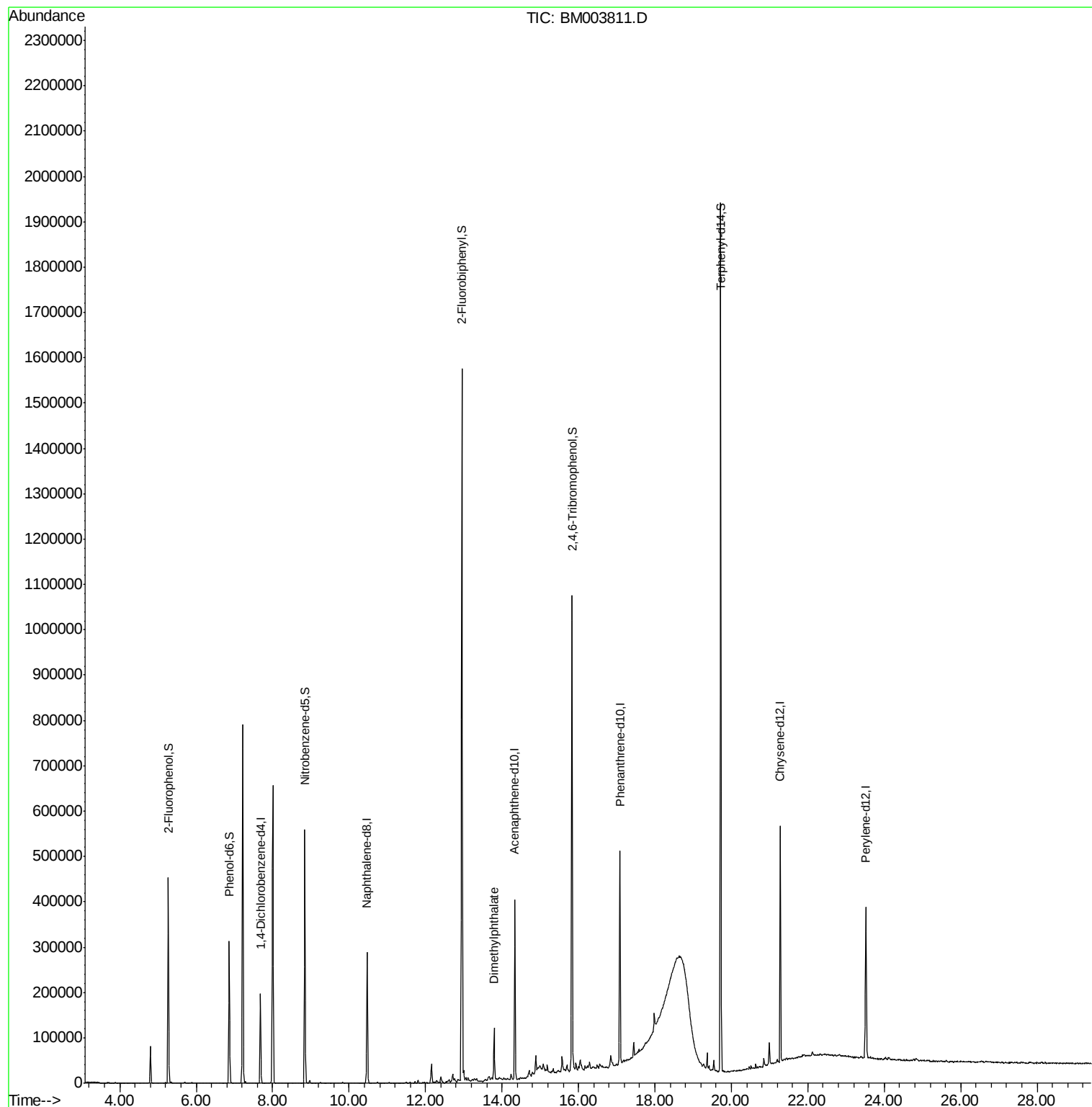
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.68  | 152  | 54487    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 10.47 | 136  | 243572   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10        | 14.33 | 164  | 134939   | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10        | 17.09 | 188  | 276561   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12            | 21.28 | 240  | 238870   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 23.52 | 264  | 224427   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.27  | 112  | 205374   | 67.01  | ng    | -0.03    |
| 7) Phenol-d6                | 6.86  | 99   | 188153   | 44.21  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 8.84  | 82   | 335772   | 85.47  | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol    | 15.83 | 330  | 179045   | 132.86 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 12.95 | 172  | 810671   | 81.85  | ng    | -0.04    |
| 78) Terphenyl-d14           | 19.72 | 244  | 791023   | 78.10  | ng    | -0.04    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 13.79 | 163  | 73358    | 6.60   | ng    | 100      |

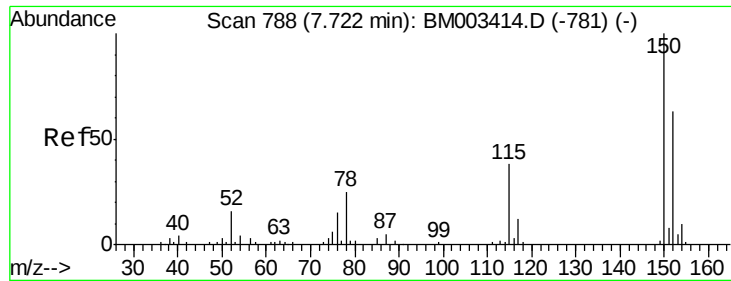
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration

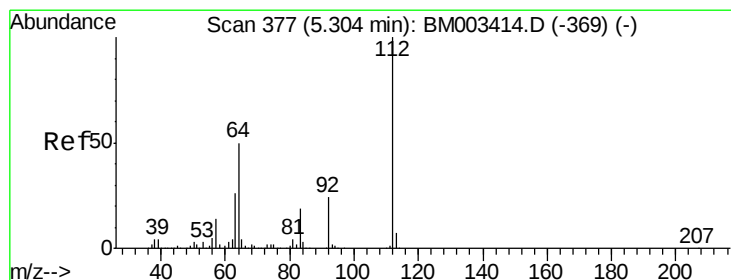
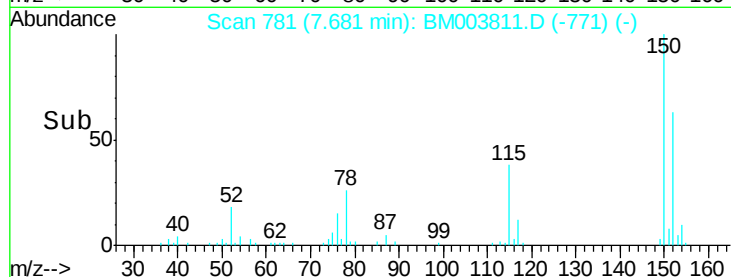
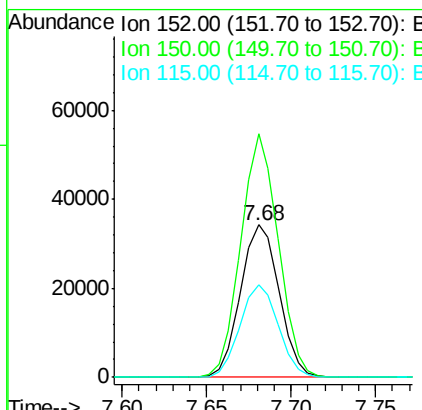
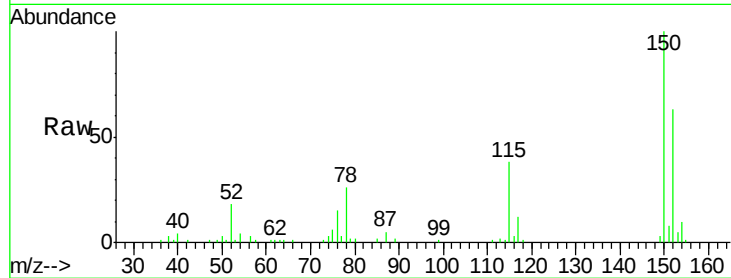




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.68 min Scan# 781  
 Delta R.T. -0.04 min  
 Lab File: BM003811.D  
 Acq: 25 Dec 2015 11:43

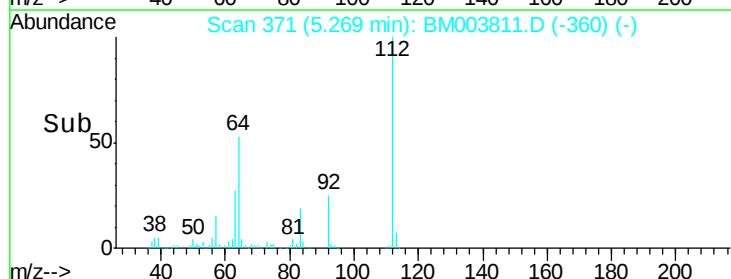
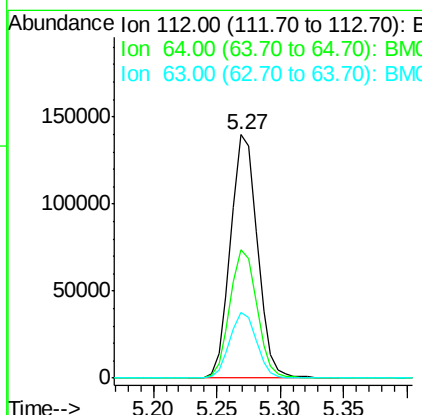
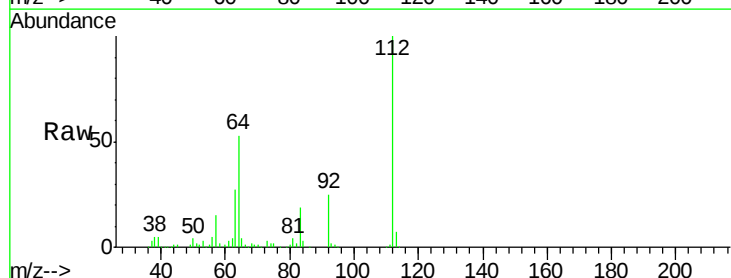
Instrument :  
 BNA\_M  
 ClientSampleId :  
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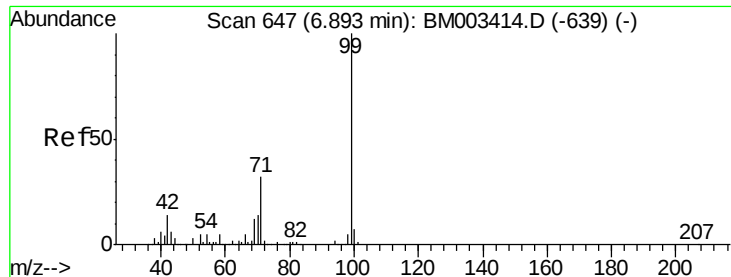
Tot Ion:152 Resp: 54487  
 Ion Ratio Lower Upper  
 152 100  
 150 159.9 119.5 179.3  
 115 60.6 43.0 64.4



#5  
 2-Fluorophenol  
 Concen: 67.01 ng  
 RT: 5.27 min Scan# 371  
 Delta R.T. -0.03 min  
 Lab File: BM003811.D  
 Acq: 25 Dec 2015 11:43

Tgt Ion:112 Resp: 205374  
 Ion Ratio Lower Upper  
 112 100  
 64 53.0 38.6 57.8  
 63 27.2 19.3 28.9





#7

Phenol-d6

Concen: 44.21 ng

RT: 6.86 min Scan# 642

Delta R.T. -0.03 min

Lab File: BM003811.D

Acq: 25 Dec 2015 11:43

Instrument :

BNA\_M

ClientSampleId :

W-21

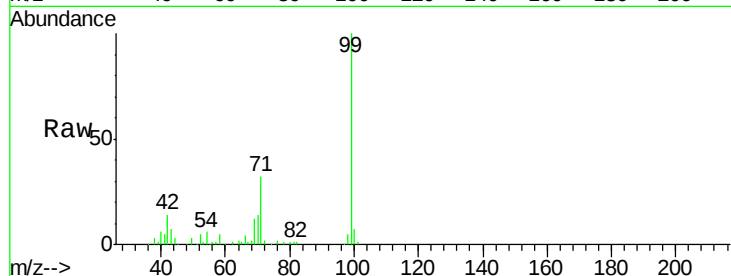
Tot Ion: 99 Resp: 188153

Ion Ratio Lower Upper

99 100

42 14.2 11.0 16.4

71 32.4 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BM003414.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM003414.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM003414.D (-639) (-)

6.86

150000

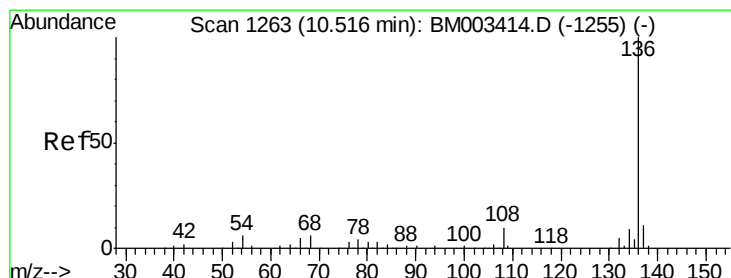
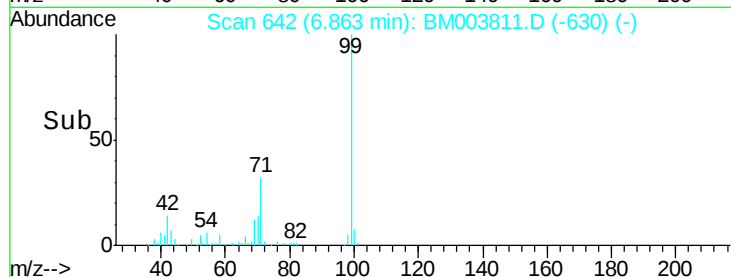
100000

50000

0

6.80 6.85 6.90 6.95

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.47 min Scan# 1255

Delta R.T. -0.05 min

Lab File: BM003811.D

Acq: 25 Dec 2015 11:43

Tgt Ion: 136 Resp: 243572

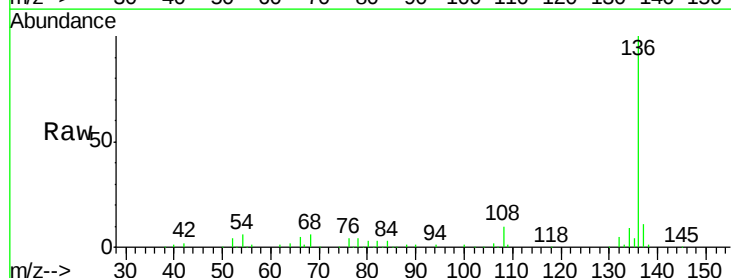
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.3 4.6 6.8

68 6.0 3.7 5.5#



Abundance Ion 136.00 (135.70 to 136.70): BM003414.D (-1255) (-)

Ion 137.00 (136.70 to 137.70): BM003414.D (-1255) (-)

Ion 54.00 (53.70 to 54.70): BM003414.D (-1255) (-)

Ion 68.00 (67.70 to 68.70): BM003414.D (-1255) (-)

10.47

200000

150000

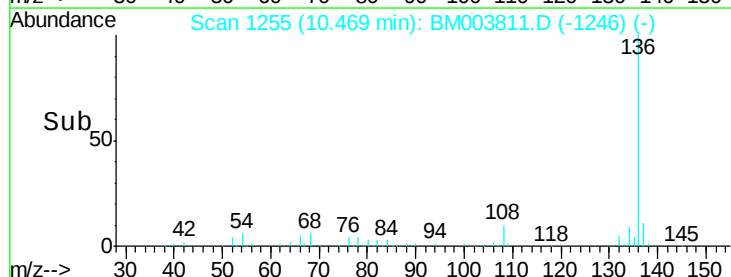
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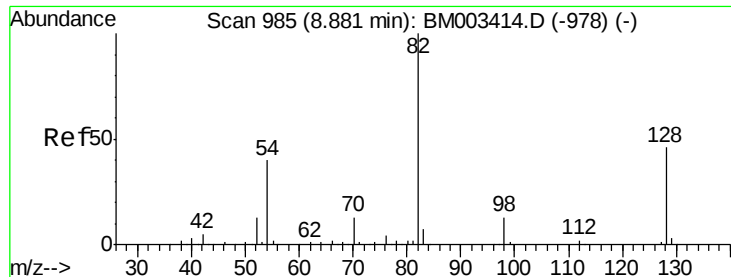
50000

0

10.40 10.50

Time-->

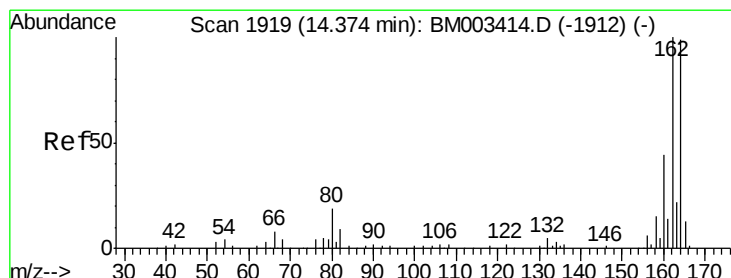
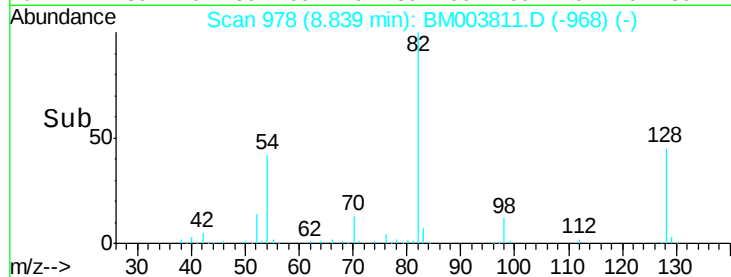
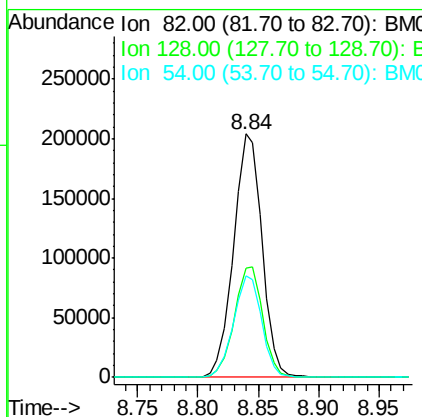
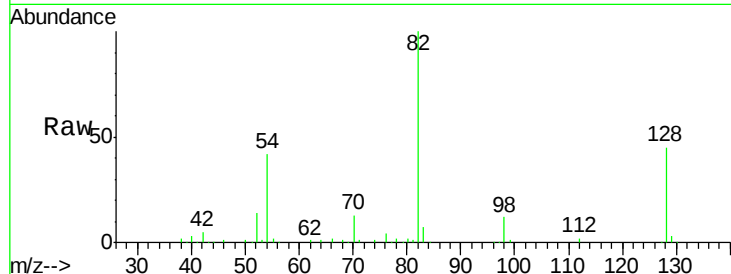




#23  
 Nitrobenzene-d5  
 Concen: 85.47 ng  
 RT: 8.84 min Scan# 978  
 Delta R.T. -0.04 min  
 Lab File: BM003811.D  
 Acq: 25 Dec 2015 11:43

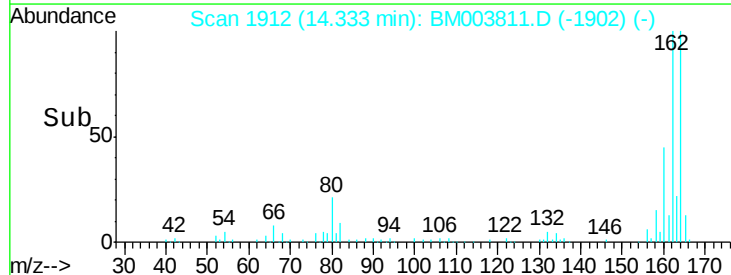
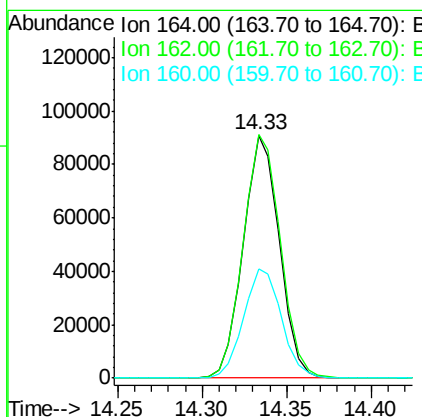
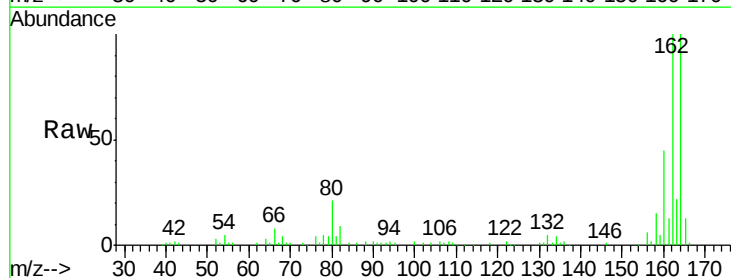
Instrument :  
 BNA\_M  
 ClientSampled :  
 W-21

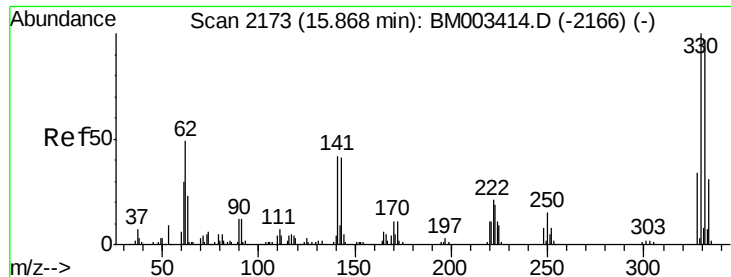
Tot Ion: 82 Resp: 335772  
 Ion Ratio Lower Upper  
 82 100  
 128 44.8 32.8 49.2  
 54 41.5 40.6 60.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.33 min Scan# 1912  
 Delta R.T. -0.04 min  
 Lab File: BM003811.D  
 Acq: 25 Dec 2015 11:43

Tgt Ion: 164 Resp: 134939  
 Ion Ratio Lower Upper  
 164 100  
 162 100.3 82.4 123.6  
 160 45.0 35.8 53.6

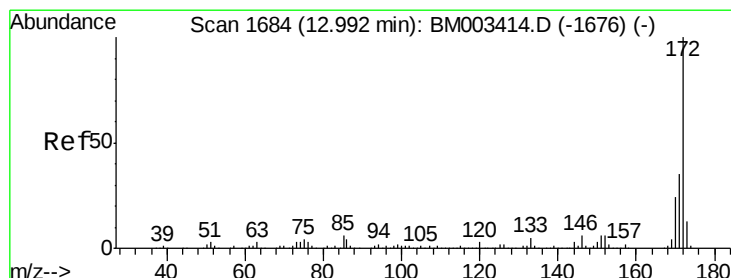
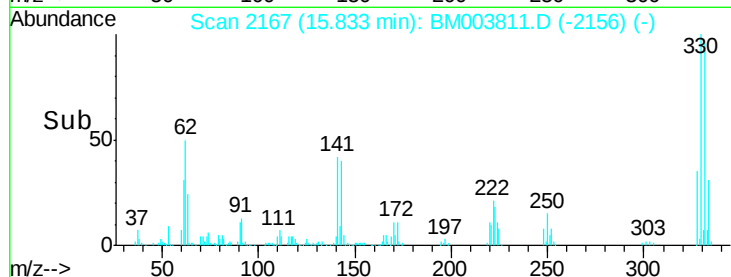
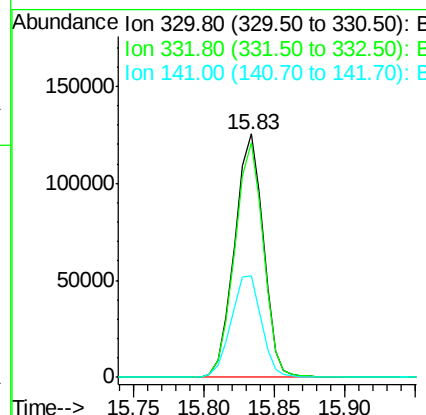
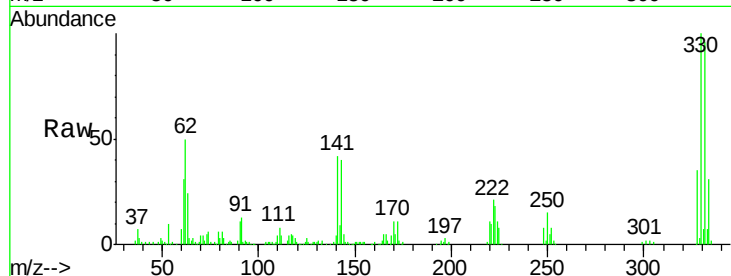




#41  
 2,4,6-Tribromophenol  
 Concen: 132.86 ng  
 RT: 15.83 min Scan# 2167  
 Delta R.T. -0.04 min  
 Lab File: BM003811.D  
 Acq: 25 Dec 2015 11:43

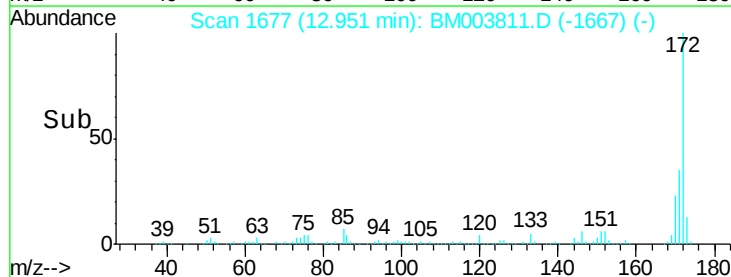
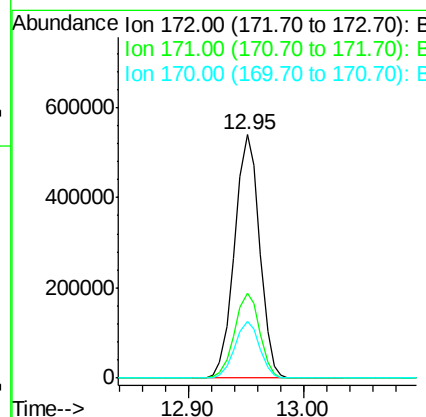
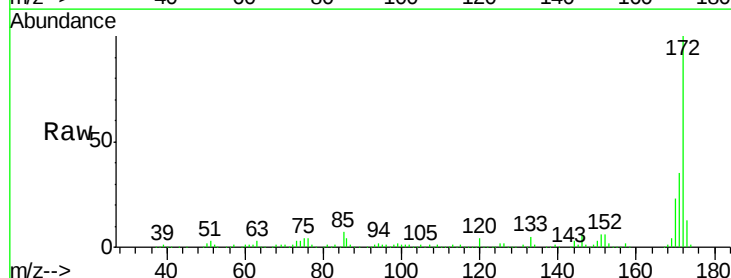
Instrument :  
 BNA\_M  
 ClientSampled :  
 W-21

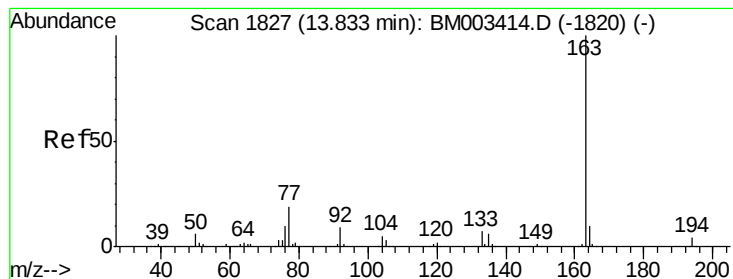
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 0.0   | 0.0#  |
| 141     | 44.1  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 81.85 ng  
 RT: 12.95 min Scan# 1677  
 Delta R.T. -0.04 min  
 Lab File: BM003811.D  
 Acq: 25 Dec 2015 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 28.5  | 42.7  |
| 170     | 23.3  | 18.8  | 28.2  |





#49

Dimethylphthalate

Concen: 6.60 ng

RT: 13.79 min Scan# 1820

Delta R.T. -0.04 min

Lab File: BM003811.D

Acq: 25 Dec 2015 11:43

Instrument :

BNA\_M

ClientSampleId :

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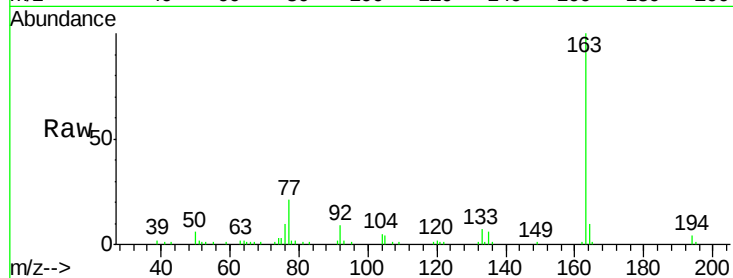
Tot Ion:163 Resp: 73358

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

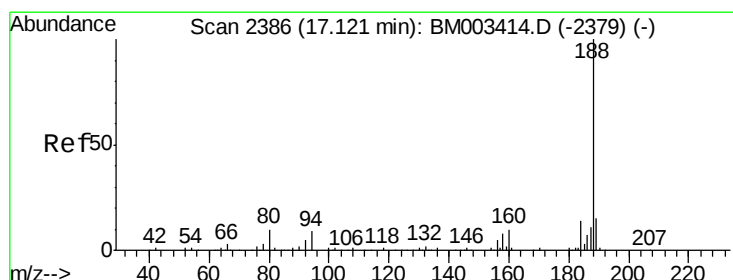
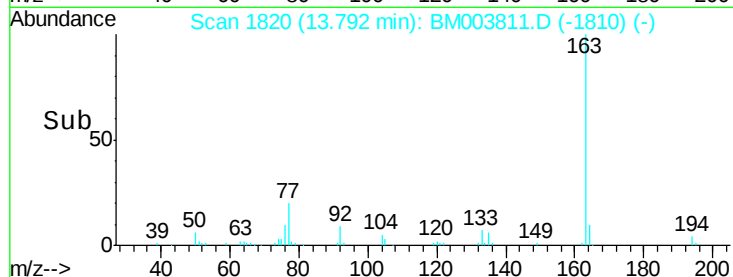
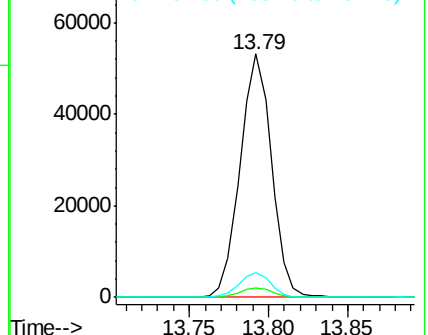
164 10.1 8.2 12.2



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: 20.00 ng

RT: 17.09 min Scan# 2380

Delta R.T. -0.04 min

Lab File: BM003811.D

Acq: 25 Dec 2015 11:43

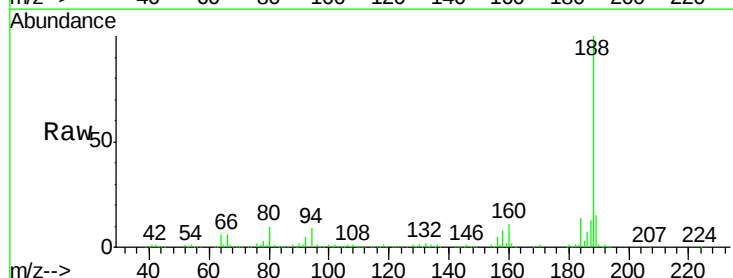
Tgt Ion:188 Resp: 276561

Ion Ratio Lower Upper

188 100

94 9.4 8.7 13.1

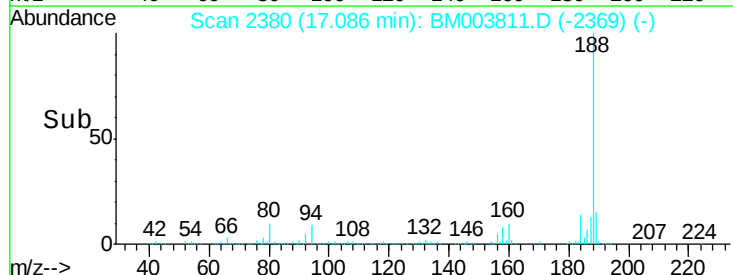
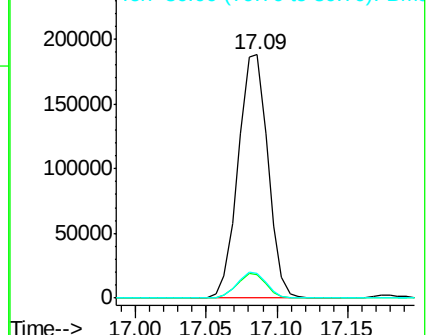
80 10.0 9.3 13.9

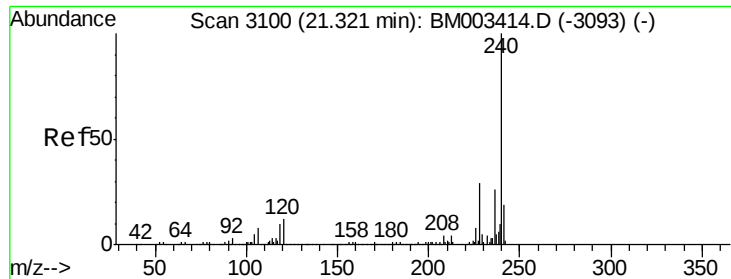


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.28 min Scan# 3093

Delta R.T. -0.04 min

Lab File: BM003811.D

Acq: 25 Dec 2015 11:43

Instrument :

BNA\_M

ClientSampleId :

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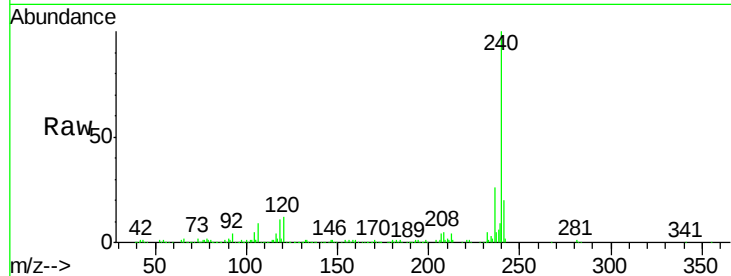
Tot Ion:240 Resp: 238870

Ion Ratio Lower Upper

240 100

120 12.3 8.2 12.2#

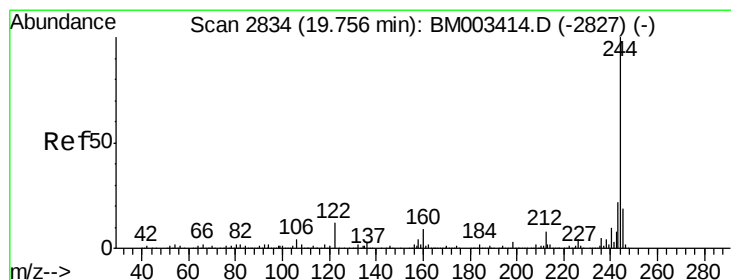
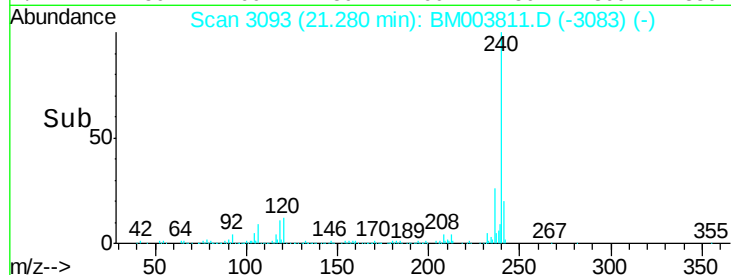
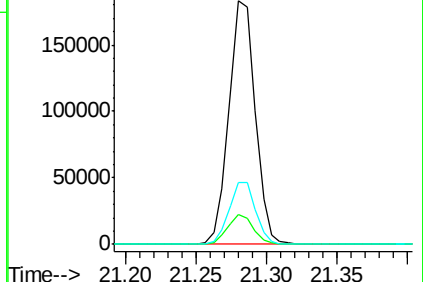
236 25.6 20.0 30.0



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: 78.10 ng

RT: 19.72 min Scan# 2828

Delta R.T. -0.04 min

Lab File: BM003811.D

Acq: 25 Dec 2015 11:43

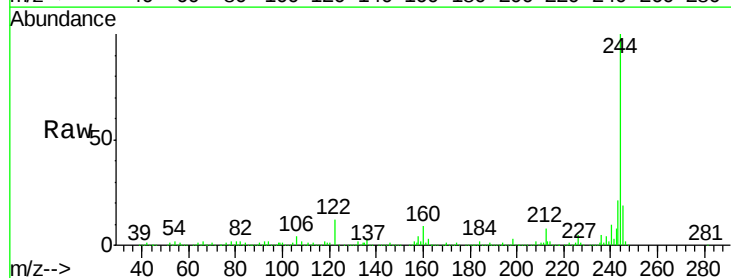
Tgt Ion:244 Resp: 791023

Ion Ratio Lower Upper

244 100

212 8.0 4.9 7.3#

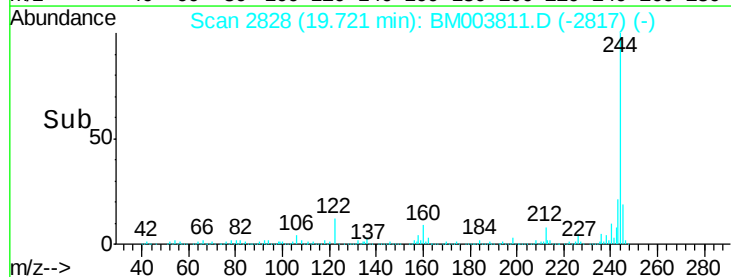
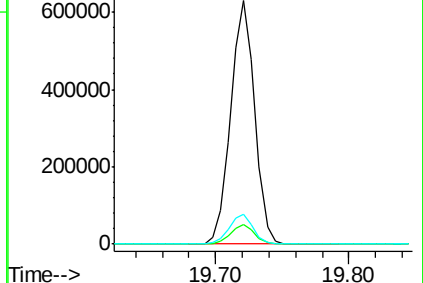
122 12.1 6.2 9.4#

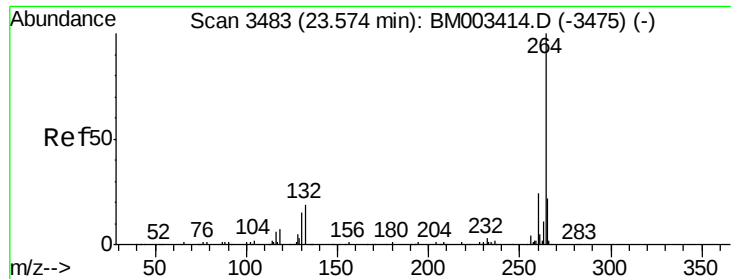


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 23.52 min Scan# 3474  
 Delta R.T. -0.05 min  
 Lab File: BM003811.D  
 Acq: 25 Dec 2015 11:43

Instrument :  
 BNA\_M  
 ClientSampleId :  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 224427 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.0  | 18.6  | 27.8   |
| 265      | 21.5  | 17.3  | 25.9   |

