

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051915\  
 Data File : BF079371.D  
 Acq On : 20 May 2015 7:21  
 Operator : TP/IZ  
 Sample : G2289-07  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-33D

Quant Time: May 20 07:58:09 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 20 07:04:25 2015  
 Response via : Initial Calibration

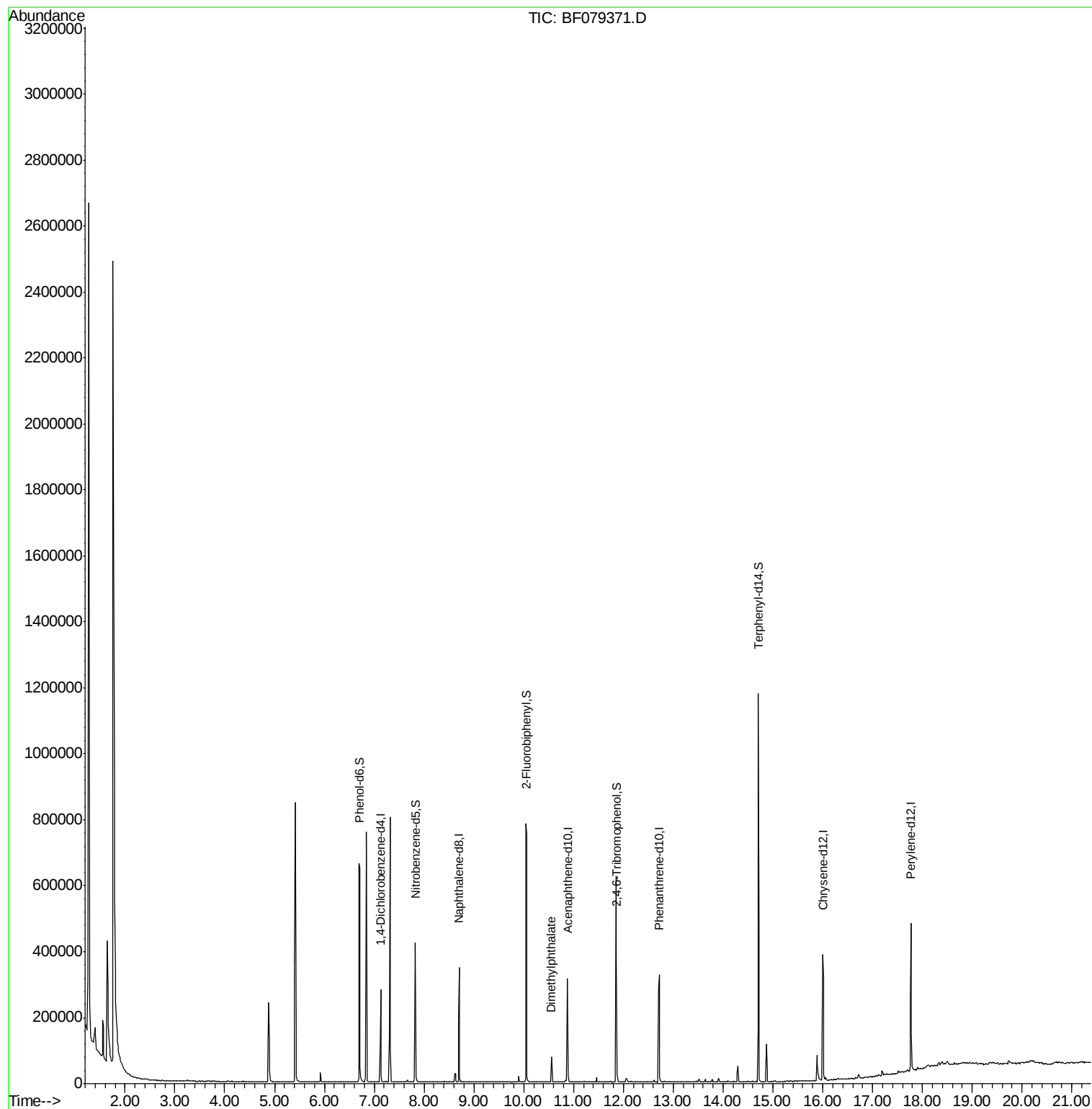
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.13  | 152  | 46165    | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.71  | 136  | 191652   | 20.00  | ng    | 0.00          |
| 38) Acenaphthene-d10        | 10.88 | 164  | 91641    | 20.00  | ng    | 0.00          |
| 63) Phenanthrene-d10        | 12.72 | 188  | 176881   | 20.00  | ng    | 0.00          |
| 75) Chrysene-d12            | 16.00 | 240  | 192717   | 20.00  | ng    | 0.00          |
| 86) Perylene-d12            | 17.77 | 264  | 206824   | 20.00  | ng    | 0.01          |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 0.00  | 112  | 0        | 0.00   | ng    |               |
| 7) Phenol-d6                | 6.71  | 99   | 356052   | 100.44 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 7.83  | 82   | 195724   | 58.69  | ng    | 0.00          |
| 41) 2,4,6-Tribromophenol    | 11.86 | 330  | 100383   | 101.26 | ng    | 0.00          |
| 44) 2-Fluorobiphenyl        | 10.06 | 172  | 376539   | 57.24  | ng    | 0.00          |
| 78) Terphenyl-d14           | 14.71 | 244  | 432548   | 53.74  | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 10.56 | 163  | 31779    | 4.72   | ng    | Qvalue<br>100 |

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

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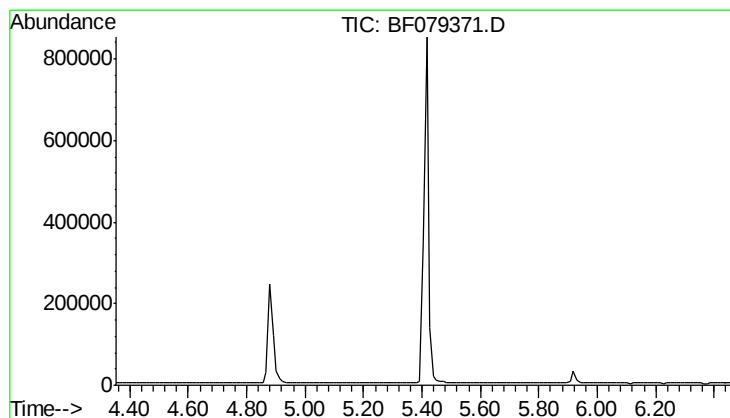
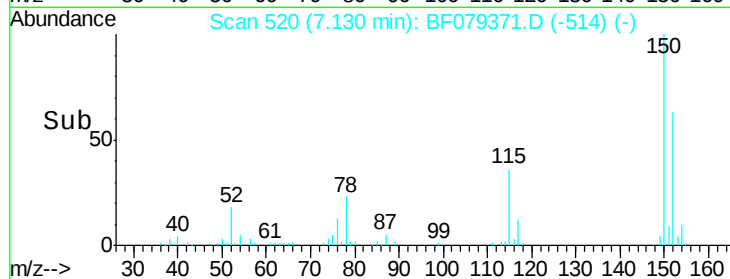
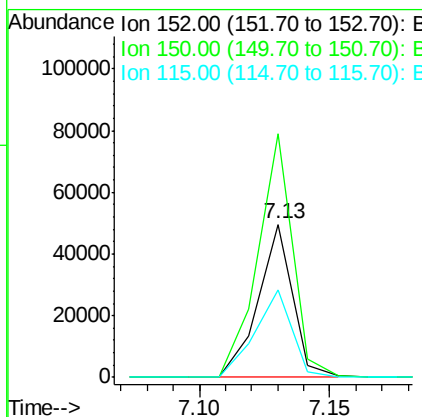
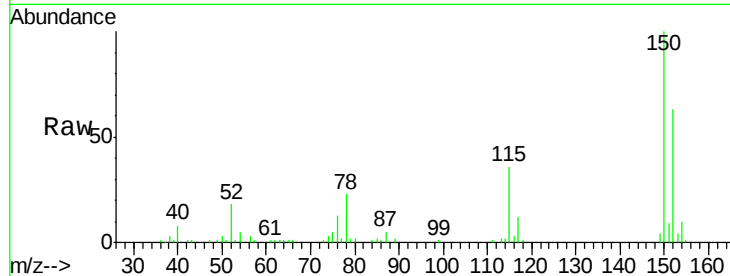




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.13 min Scan# 520  
 Delta R.T. -0.00 min  
 Lab File: BF079371.D  
 Acq: 20 May 2015 7:21

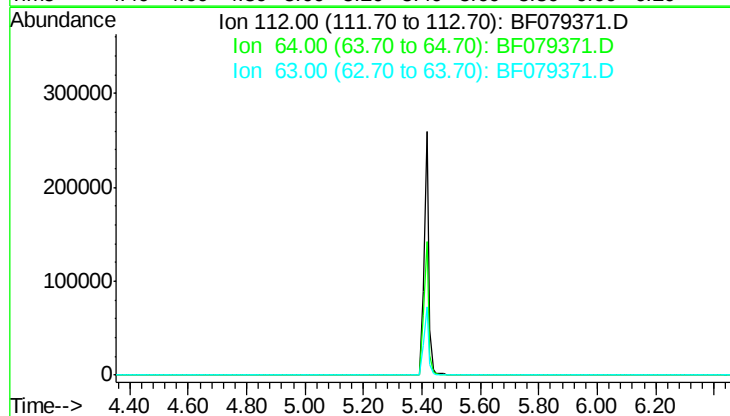
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-33D

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 46165 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 159.0 | 123.8 | 185.8 |
| 115      | 56.8  | 49.4  | 74.0  |



#5  
 2-Fluorophenol  
 Concen: 0.00 ng  
 Expected RT: 5.40 min  
 Lab File: BF079371.D  
 Acq: 20 May 2015 7:21

|          |           |
|----------|-----------|
| Tgt Ion: | 112       |
| Sig      | Exp Ratio |
| 112      | 100       |
| 64       | 55.2      |
| 63       | 28.4      |





#7

Phenol-d6

Concen: 100.44 ng

RT: 6.71 min Scan# 483

Delta R.T. -0.00 min

Lab File: BF079371.D

Acq: 20 May 2015 7:21

Instrument :

BNA\_F

ClientSampleId :

SB-33D

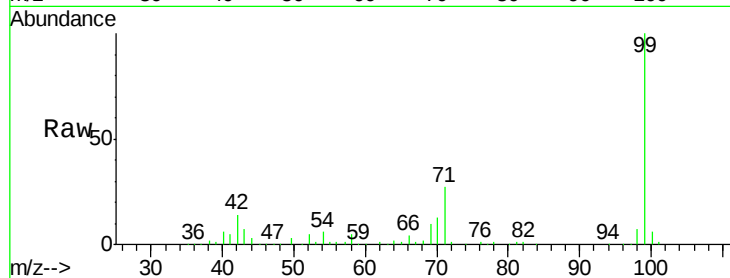
Tgt Ion: 99 Resp: 356052

Ion Ratio Lower Upper

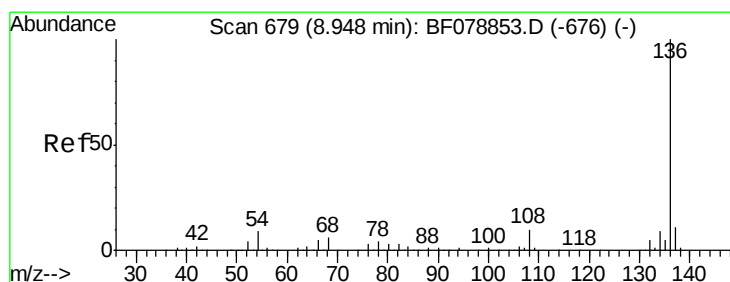
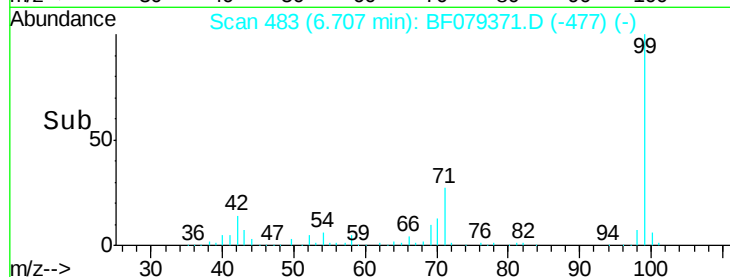
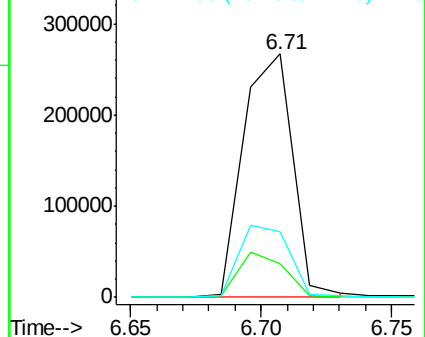
99 100

42 14.0 17.1 25.7#

71 27.0 26.3 39.5



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: 8.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: BF079371.D

Acq: 20 May 2015 7:21

Tgt Ion: 136 Resp: 191652

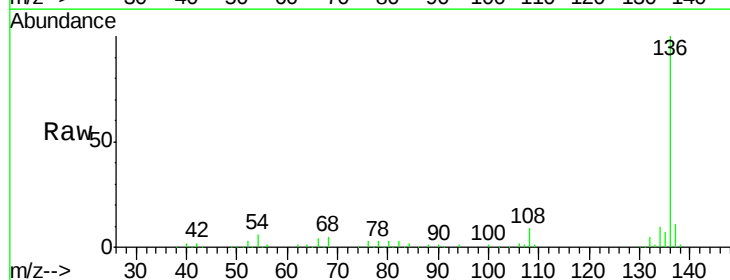
Ion Ratio Lower Upper

136 100

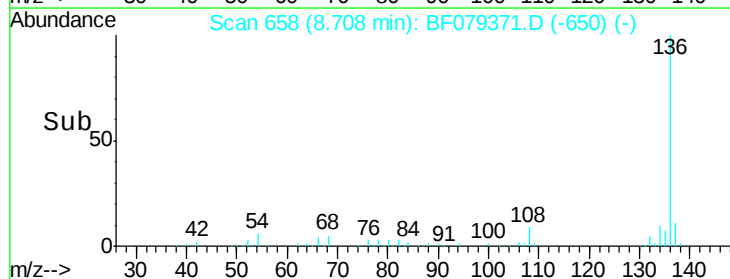
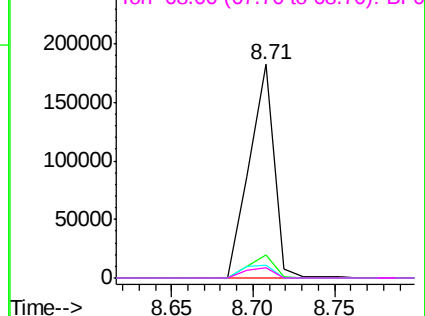
137 10.8 8.8 13.2

54 6.0 6.9 10.3#

68 4.6 4.9 7.3#



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

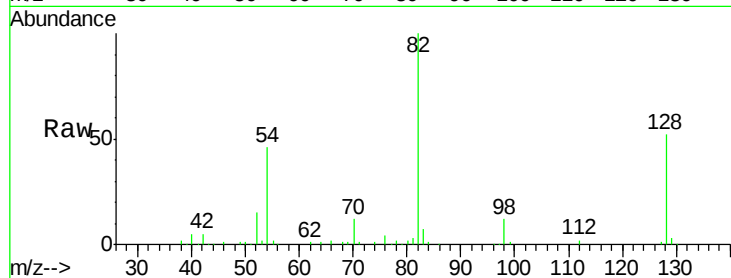




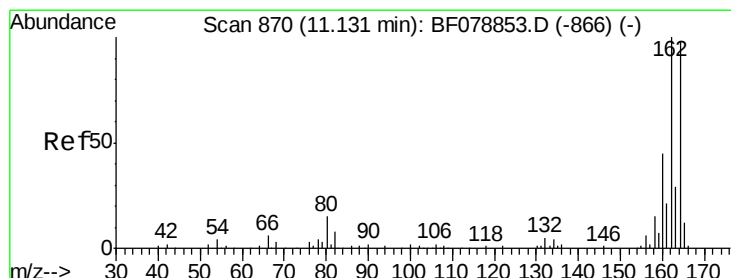
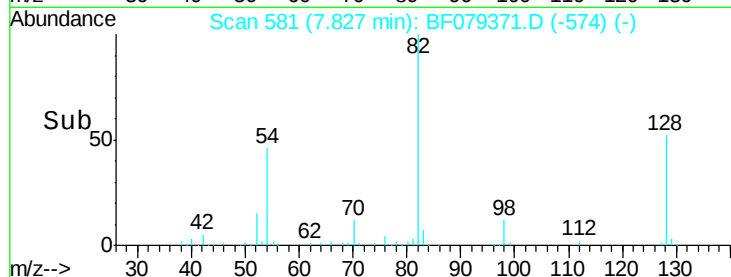
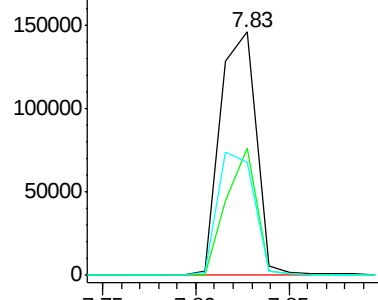
#23  
 Nitrobenzene-d5  
 Concen: 58.69 ng  
 RT: 7.83 min Scan# 581  
 Delta R.T. -0.00 min  
 Lab File: BF079371.D  
 Acq: 20 May 2015 7:21

Instrument :  
 BNA\_F  
 ClientSampleID :  
 SB-33D

Tgt Ion: 82 Resp: 195724  
 Ion Ratio Lower Upper  
 82 100  
 128 52.1 29.7 44.5#  
 54 46.5 46.2 69.4

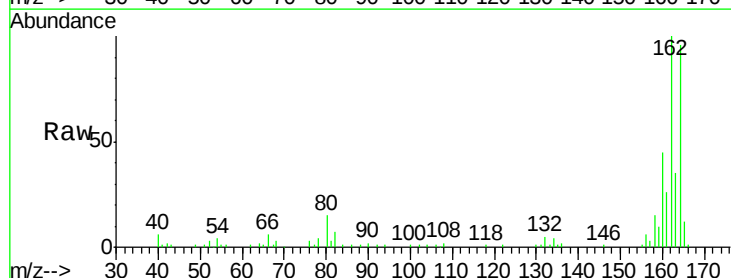


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

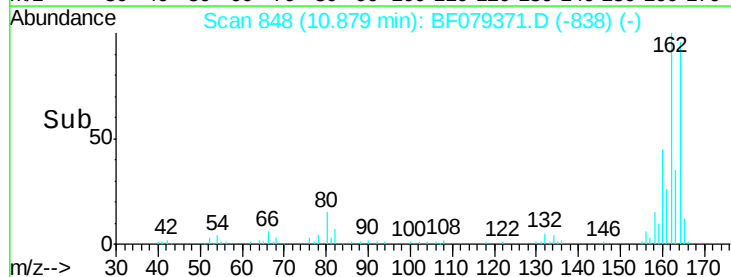
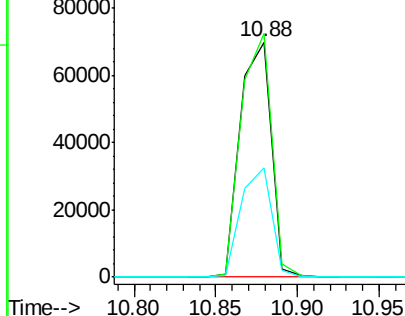


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.88 min Scan# 848  
 Delta R.T. -0.00 min  
 Lab File: BF079371.D  
 Acq: 20 May 2015 7:21

Tgt Ion: 164 Resp: 91641  
 Ion Ratio Lower Upper  
 164 100  
 162 103.6 81.4 122.0  
 160 46.3 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

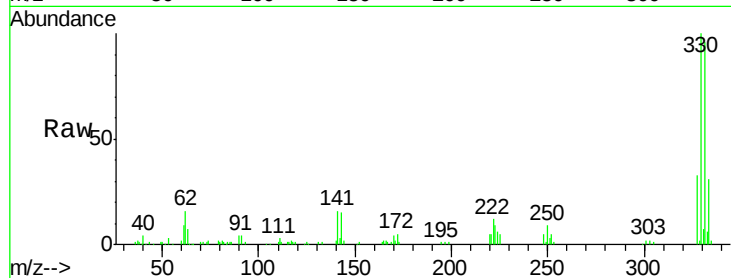




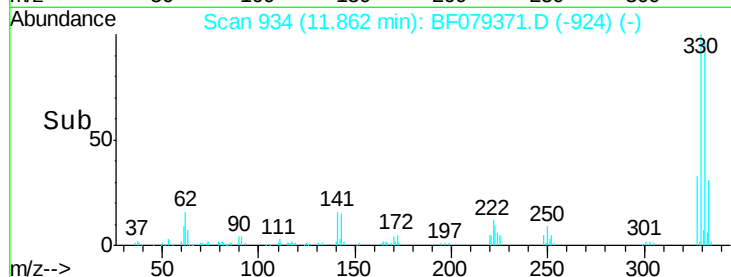
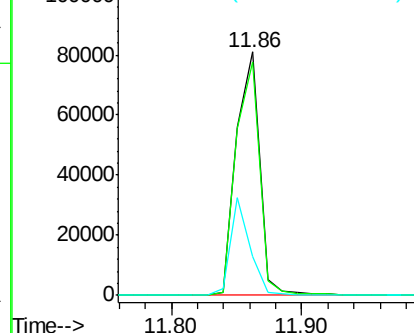
#41  
 2,4,6-Tribromophenol  
 Concen: 101.26 ng  
 RT: 11.86 min Scan# 934  
 Delta R.T. -0.00 min  
 Lab File: BF079371.D  
 Acq: 20 May 2015 7:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-33D

Tgt Ion:330 Resp: 100383  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 76.9 115.3  
 141 33.7 27.8 41.8

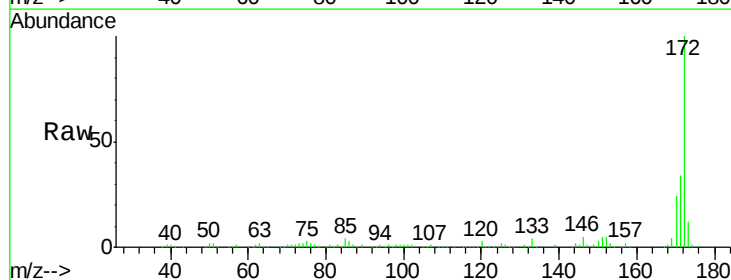


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

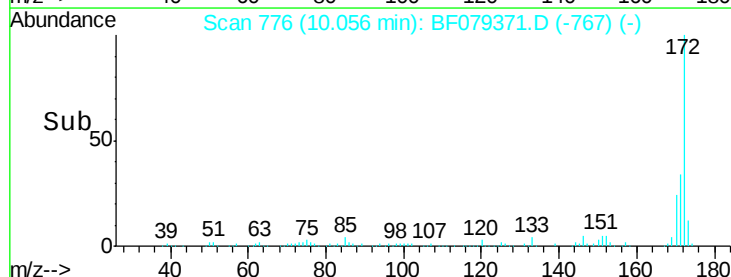
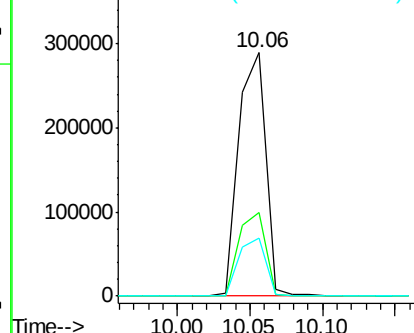


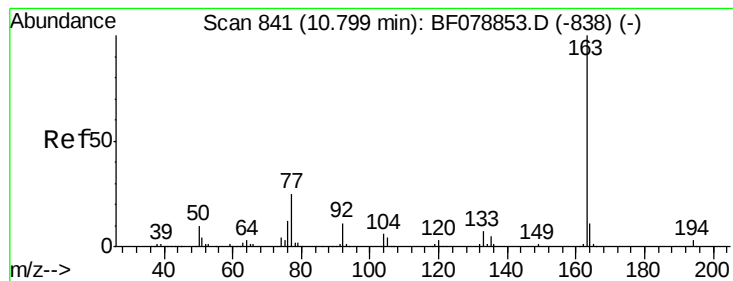
#44  
 2-Fluorobiphenyl  
 Concen: 57.24 ng  
 RT: 10.06 min Scan# 776  
 Delta R.T. -0.00 min  
 Lab File: BF079371.D  
 Acq: 20 May 2015 7:21

Tgt Ion:172 Resp: 376539  
 Ion Ratio Lower Upper  
 172 100  
 171 34.1 28.3 42.5  
 170 24.1 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





#49

Dimethylphthalate

Concen: 4.72 ng

RT: 10.56 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF079371.D

Acq: 20 May 2015 7:21

Instrument :

BNA\_F

ClientSampleId :

SB-33D

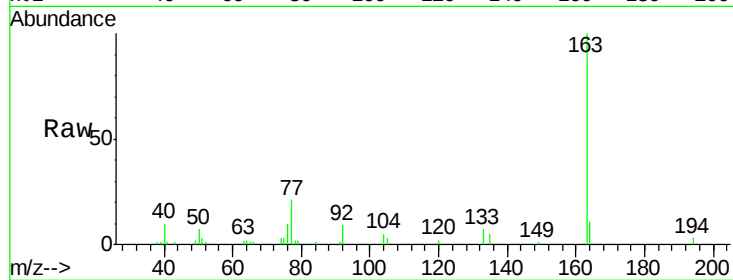
Tgt Ion:163 Resp: 31779

Ion Ratio Lower Upper

163 100

194 2.6 2.4 3.6

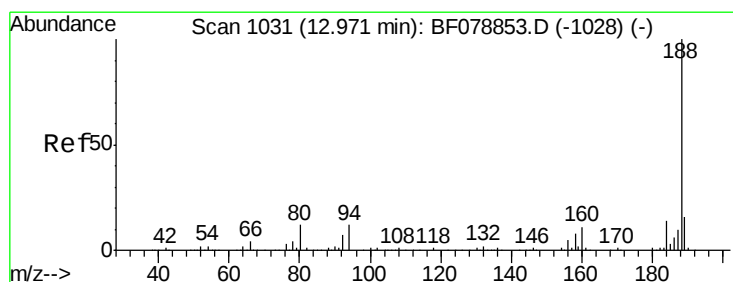
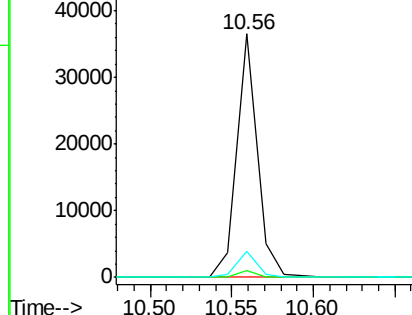
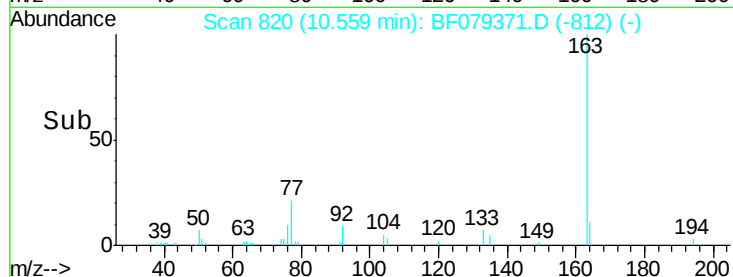
164 10.7 8.6 12.8



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: 12.72 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF079371.D

Acq: 20 May 2015 7:21

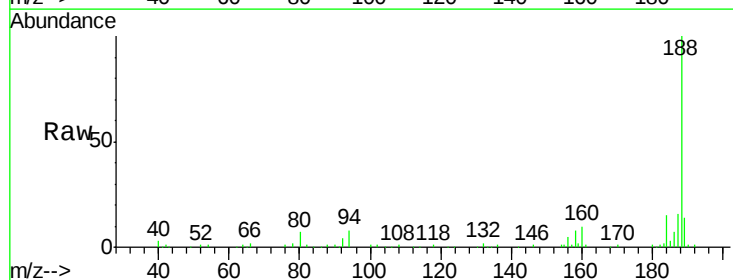
Tgt Ion:188 Resp: 176881

Ion Ratio Lower Upper

188 100

94 7.9 9.4 14.0#

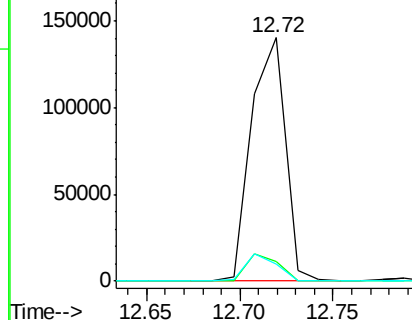
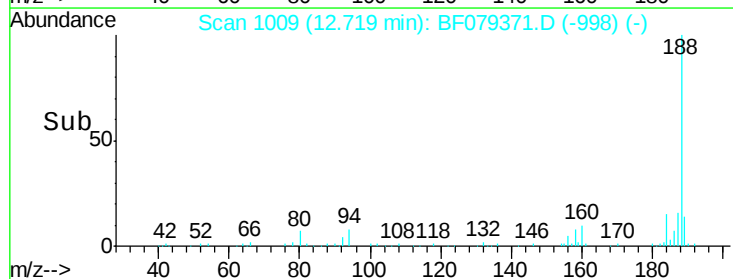
80 6.9 9.8 14.6#

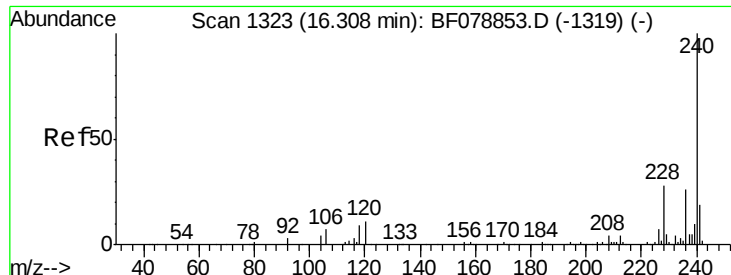


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

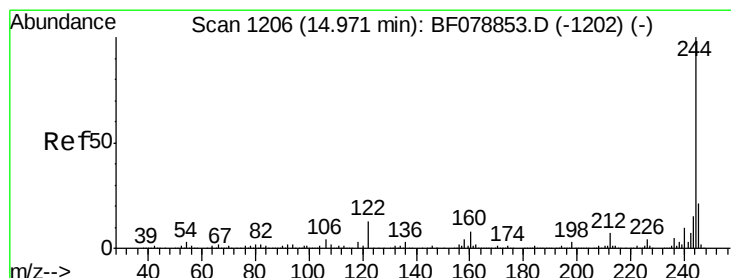
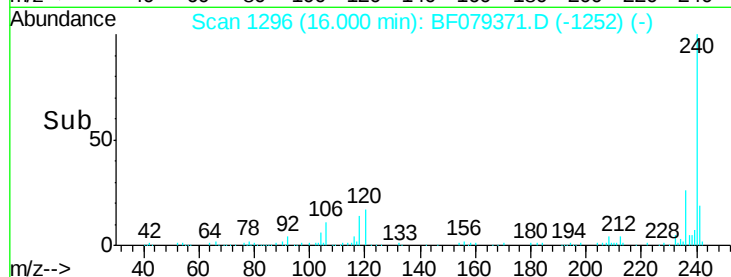
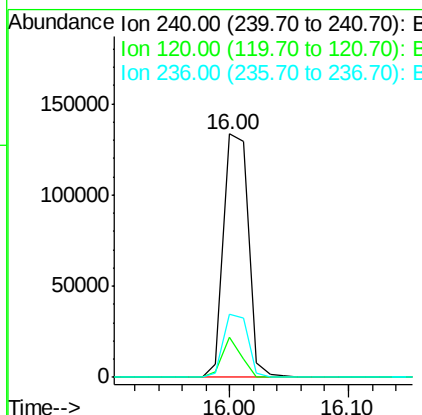
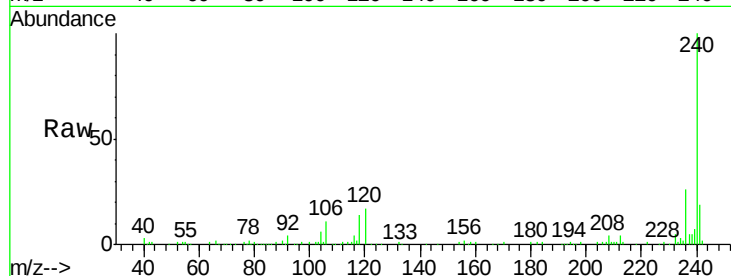




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.00 min Scan# 1296  
Delta R.T. -0.00 min  
Lab File: BF079371.D  
Acq: 20 May 2015 7:21

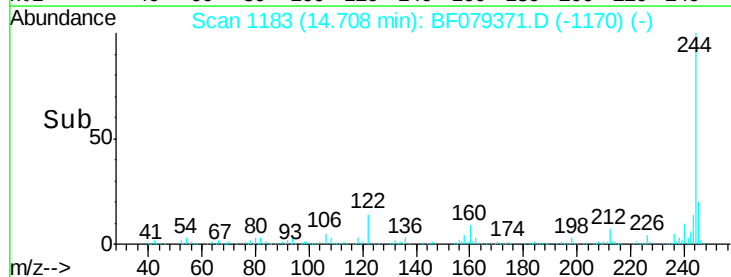
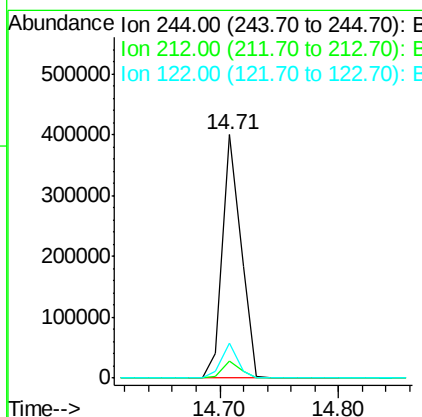
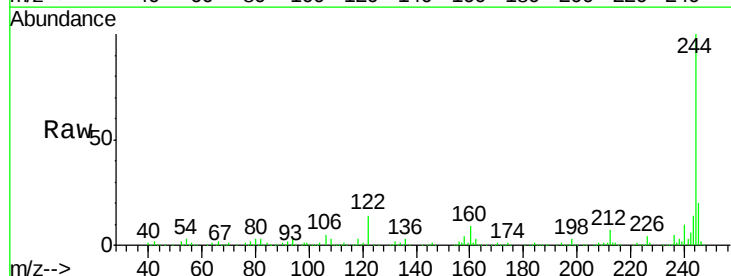
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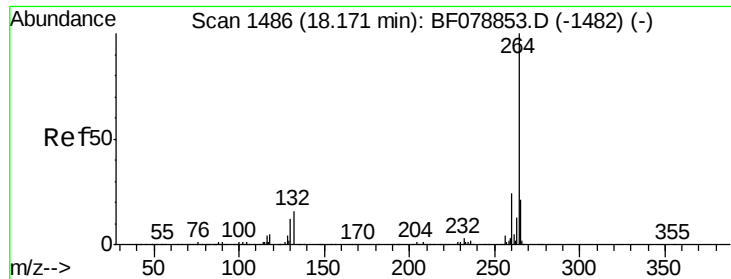
Tgt Ion:240 Resp: 192717  
Ion Ratio Lower Upper  
240 100  
120 16.6 8.6 12.8#  
236 26.0 21.0 31.6



#78  
Terphenyl-d14  
Concen: 53.74 ng  
RT: 14.71 min Scan# 1183  
Delta R.T. -0.00 min  
Lab File: BF079371.D  
Acq: 20 May 2015 7:21

Tgt Ion:244 Resp: 432548  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.6 8.4  
122 14.4 10.5 15.7

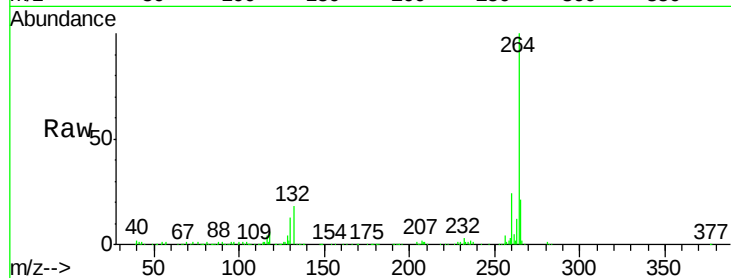




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.77 min Scan# 1451  
Delta R.T. 0.01 min  
Lab File: BF079371.D  
Acq: 20 May 2015 7:21

Instrument :  
BNA\_F  
ClientSampleId :  
SB-33D

Tgt Ion: 264 Resp: 206824  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.2 28.8  
265 21.5 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

