

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\  
 Data File : BF079270.D  
 Acq On : 15 May 2015 15:23  
 Operator : TP/IZ  
 Sample : G2231-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LAR9797-A

Manual Integrations  
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Quant Time: May 18 02:38:10 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 15 22:54:46 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.18  | 152  | 62675    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.75  | 136  | 261658   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 10.92 | 164  | 126699   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 12.77 | 188  | 243653   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 16.07 | 240  | 220264   | 20.00  | ng    | -0.02     |
| 86) Perylene-d12            | 17.89 | 264  | 204577   | 20.00  | ng    | -0.05     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.47  | 112  | 501828m  | 137.83 | ng    | 0.01      |
| 7) Phenol-d6                | 6.75  | 99   | 655699   | 136.24 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.87  | 82   | 417931   | 91.80  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 11.91 | 330  | 207430   | 151.34 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 10.10 | 172  | 811833   | 89.27  | ng    | 0.00      |
| 78) Terphenyl-d14           | 14.77 | 244  | 890910   | 96.84  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 6.76  | 94   | 14793    | 2.65   | ng    | Qvalue 91 |
| 22) Acetophenone            | 7.69  | 105  | 19901    | 3.37   | ng    | # 84      |
| 32) Benzoic acid            | 8.48  | 122  | 89620m   | 39.56  | ng    |           |
| 79) Butylbenzylphthalate    | 15.38 | 149  | 30647    | 5.52   | ng    | 89        |

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

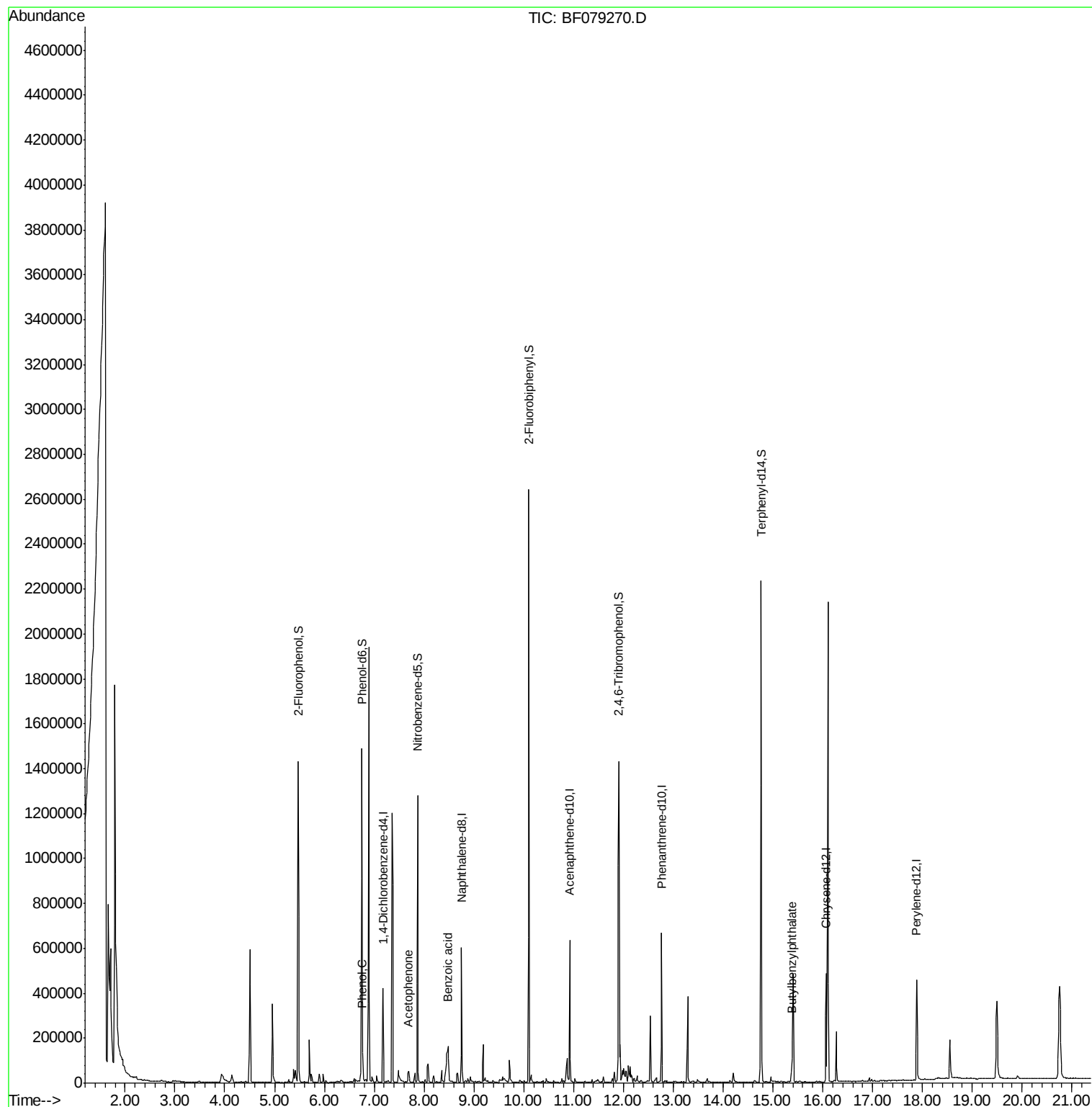
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\  
Data File : BF079270.D  
Acq On : 15 May 2015 15:23  
Operator : TP/IZ  
Sample : G2231-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

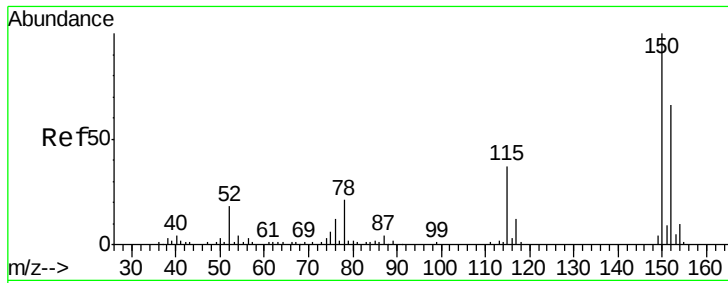
Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Time: May 18 02:38:10 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 15 22:54:46 2015  
Response via : Initial Calibration





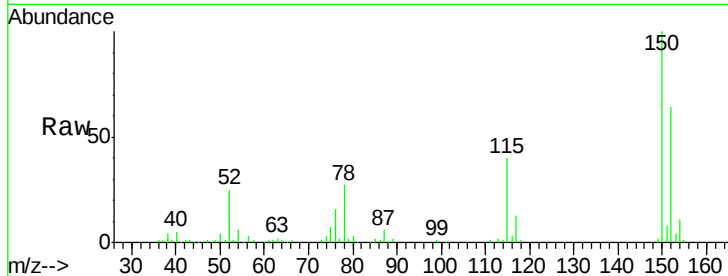
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.18 min Scan# 524  
 Delta R.T. 0.00 min  
 Lab File: BF079270.D  
 Acq: 15 May 2015 15:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LAR9797-A

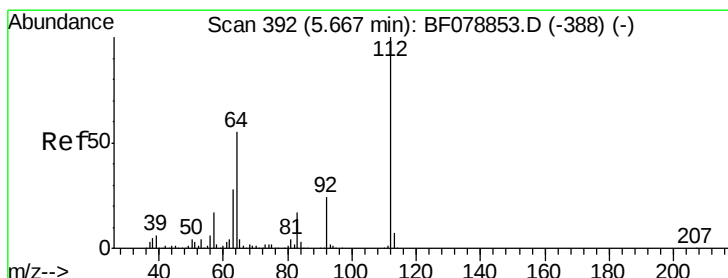
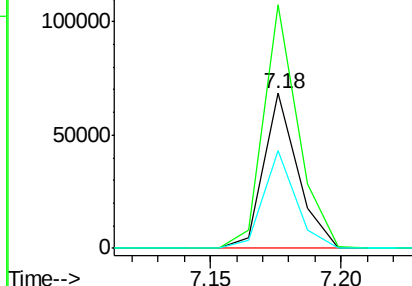
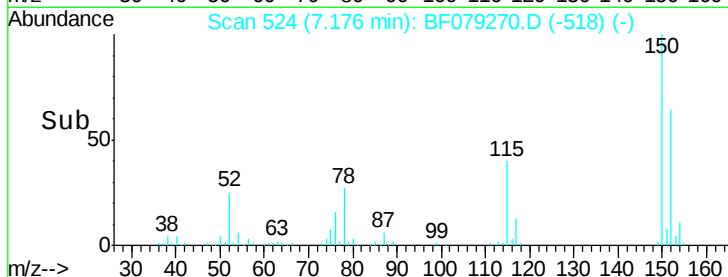
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 62675 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 156.9 | 123.8 | 185.8 |
| 115       | 63.2  | 49.4  | 74.0  |

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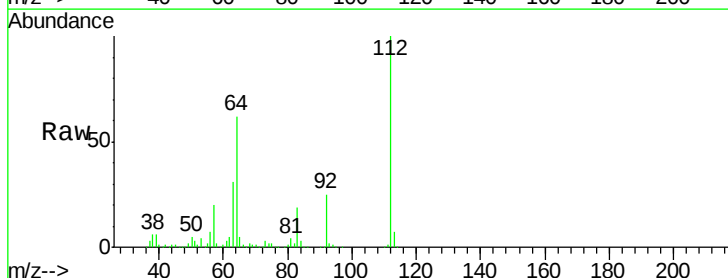


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

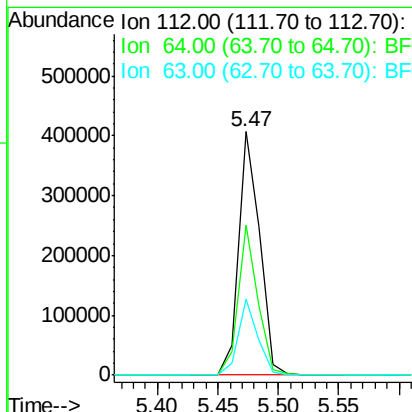
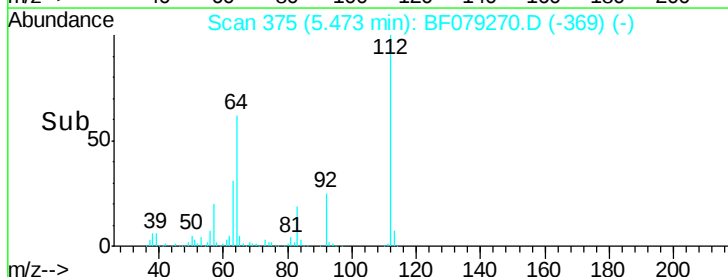


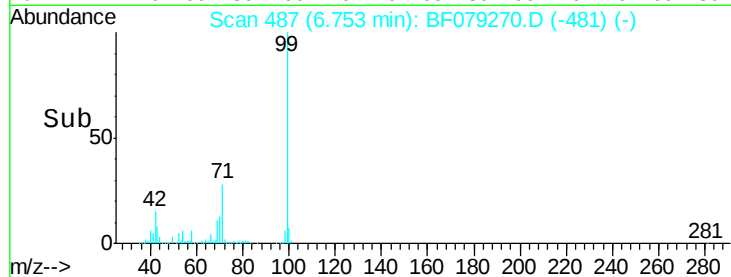
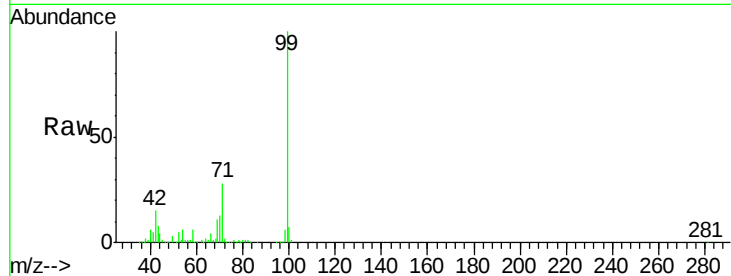
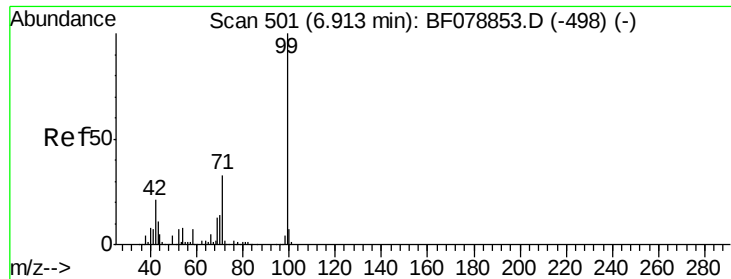
#5  
 2-Fluorophenol  
 Concen: 137.83 ng m  
 RT: 5.47 min Scan# 375  
 Delta R.T. 0.01 min  
 Lab File: BF079270.D  
 Acq: 15 May 2015 15:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 501828 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 61.7  | 44.2  | 66.2   |
| 63        | 30.9  | 22.7  | 34.1   |



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





#7

Phenol-d6

Concen: 136.24 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.00 min

Lab File: BF079270.D

Acq: 15 May 2015 15:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 655699 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 15.0  | 17.1  | 25.7#  |
| 71        | 28.4  | 26.3  | 39.5   |

Instrument :

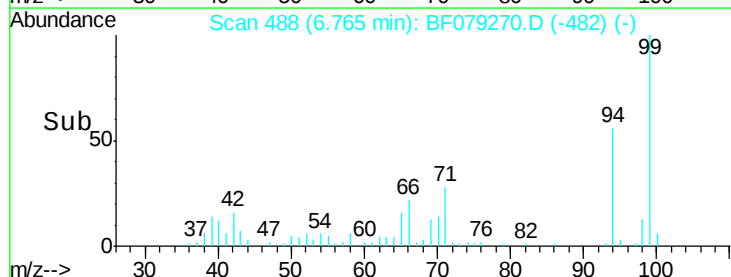
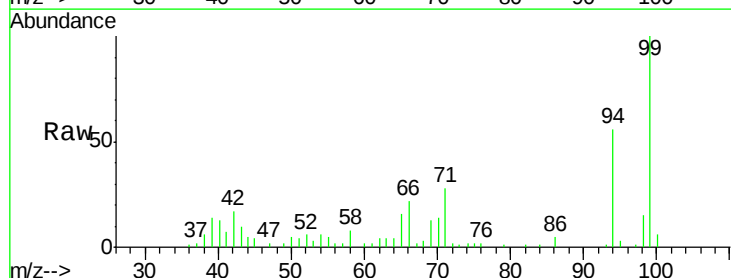
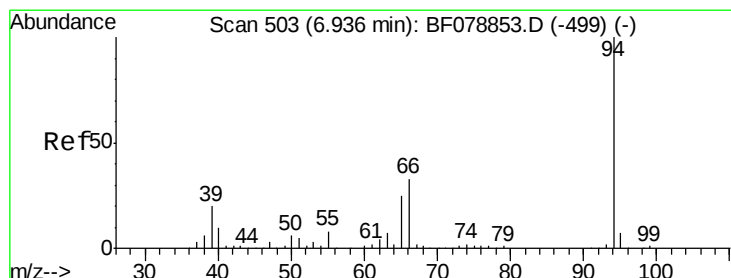
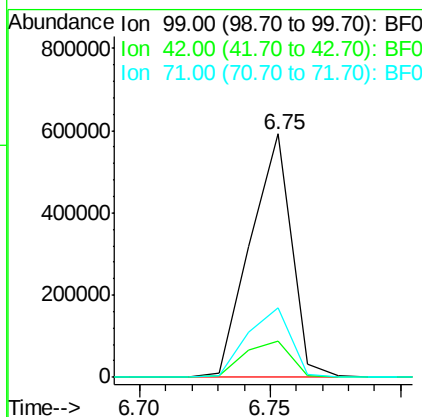
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#10

Phenol

Concen: 2.65 ng

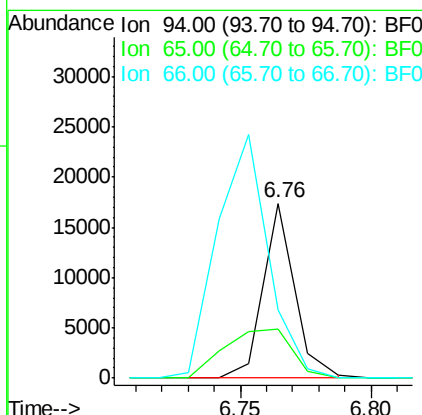
RT: 6.76 min Scan# 488

Delta R.T. 0.00 min

Lab File: BF079270.D

Acq: 15 May 2015 15:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 14793 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 27.9  | 5.1   | 45.1  |
| 66        | 39.3  | 13.1  | 53.1  |





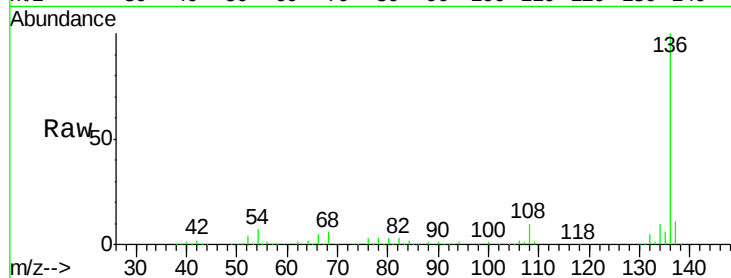
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.75 min Scan# 662  
Delta R.T. 0.00 min  
Lab File: BF079270.D  
Acq: 15 May 2015 15:23

Instrument :  
BNA\_F  
ClientSampleId :  
LAR9797-A

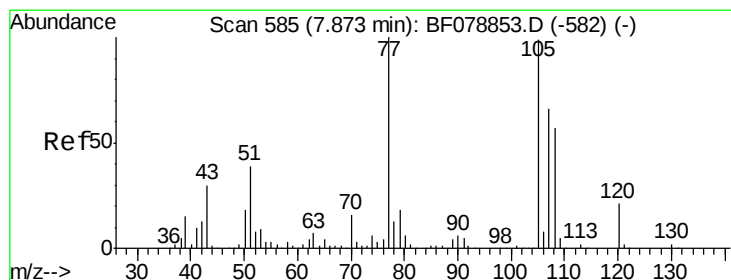
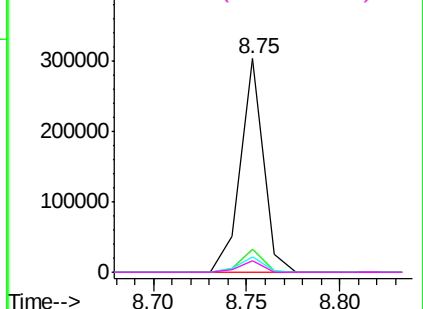
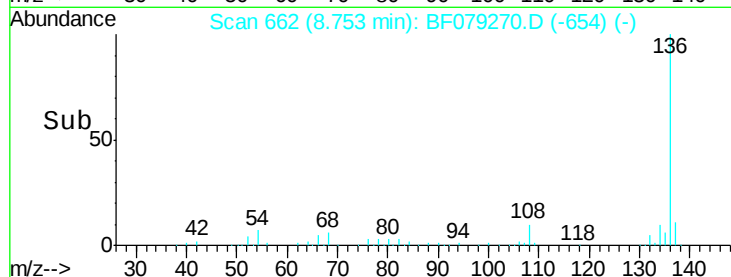
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 136     | 100   |            |       |
| 137     | 11.1  | 8.8        | 13.2  |
| 54      | 7.1   | 6.9        | 10.3  |
| 68      | 5.5   | 4.9        | 7.3   |

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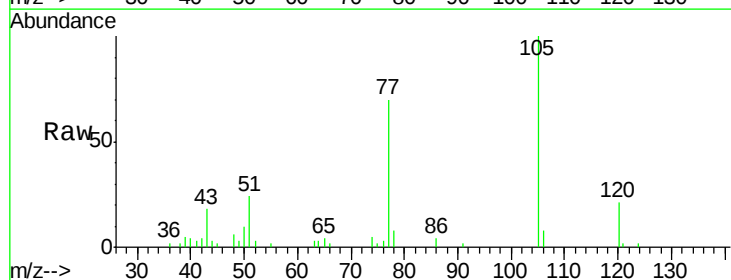


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

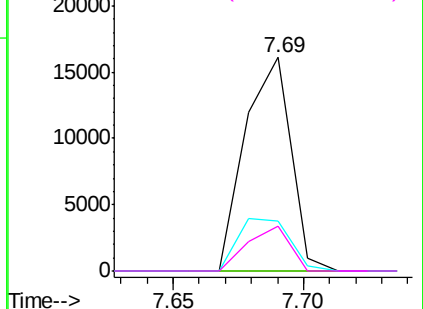
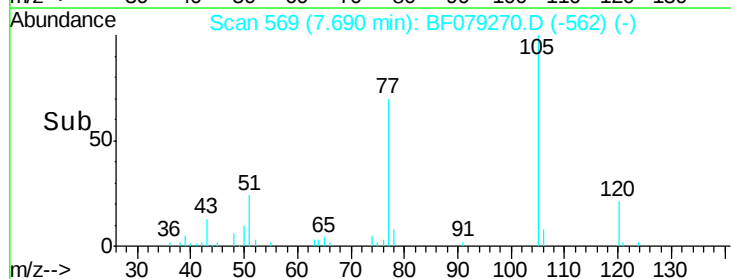


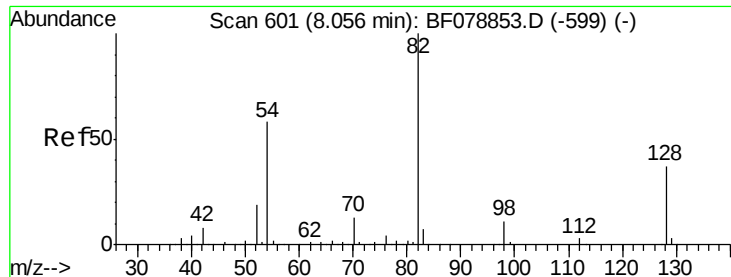
#22  
Acetophenone  
Concen: 3.37 ng  
RT: 7.69 min Scan# 569  
Delta R.T. 0.00 min  
Lab File: BF079270.D  
Acq: 15 May 2015 15:23

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 105     | 100   |            |       |
| 71      | 0.0   | 2.2        | 3.4#  |
| 51      | 23.7  | 31.1       | 46.7# |
| 120     | 21.2  | 16.7       | 25.1  |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF0  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 120.00 (119.70 to 120.70): E





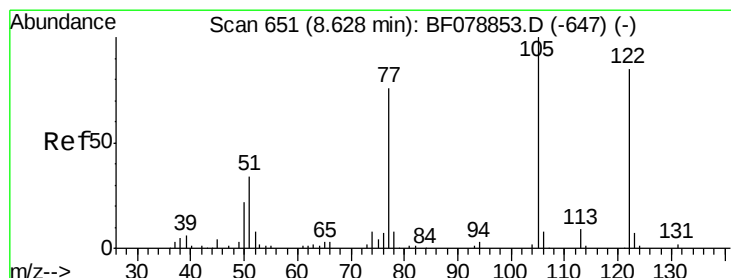
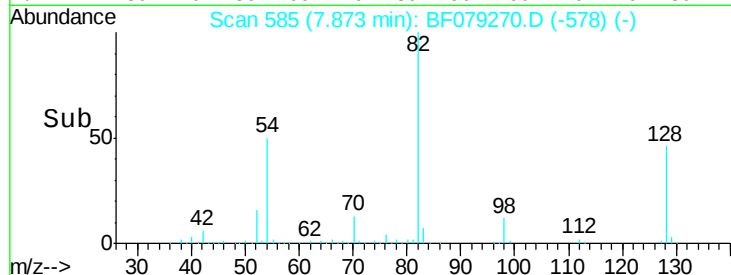
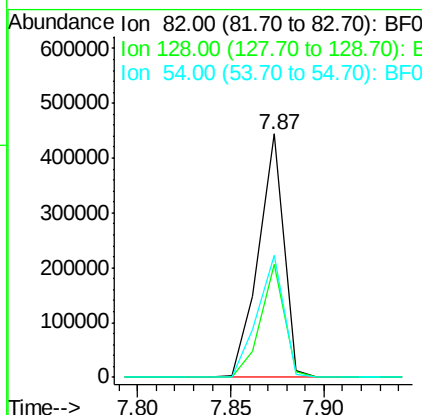
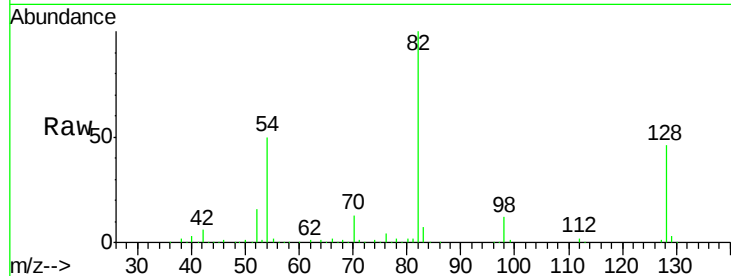
#23  
 Nitrobenzene-d5  
 Concen: 91.80 ng  
 RT: 7.87 min Scan# 585  
 Delta R.T. 0.00 min  
 Lab File: BF079270.D  
 Acq: 15 May 2015 15:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LAR9797-A

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 46.2  | 29.7 | 44.5  |       |
| 54      | 49.9  | 46.2 | 69.4  |       |

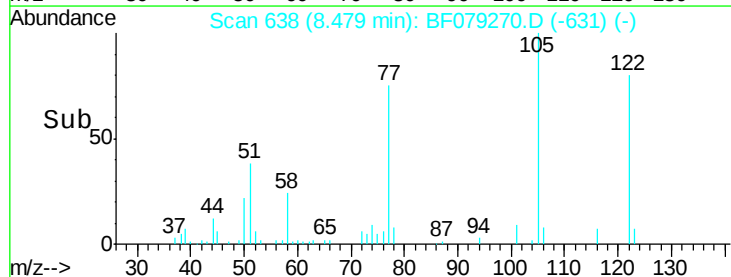
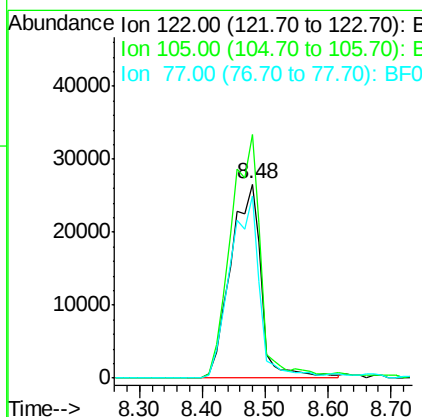
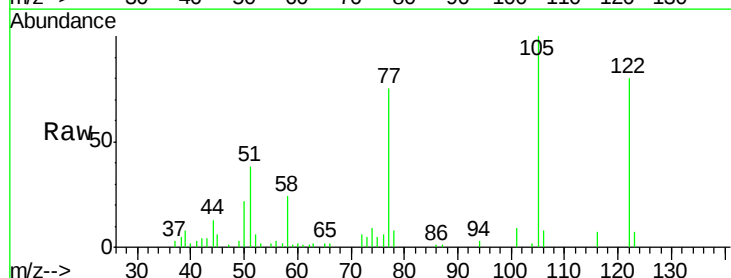
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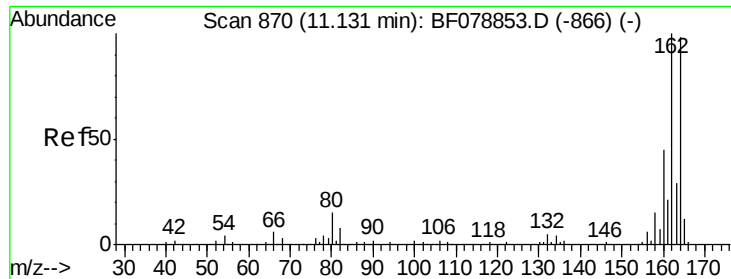
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#32  
 Benzoic acid  
 Concen: 39.56 ng m  
 RT: 8.48 min Scan# 638  
 Delta R.T. 0.00 min  
 Lab File: BF079270.D  
 Acq: 15 May 2015 15:23

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   |       |       |       |
| 105     | 125.3 | 100.7 | 140.7 |       |
| 77      | 93.9  | 72.0  | 112.0 |       |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.92 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF079270.D

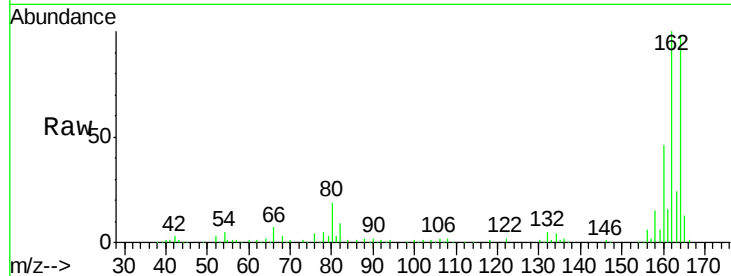
Acq: 15 May 2015 15:23

Instrument :

BNA\_F

ClientSampleId :

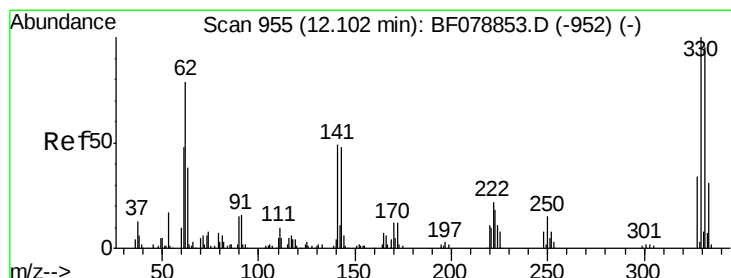
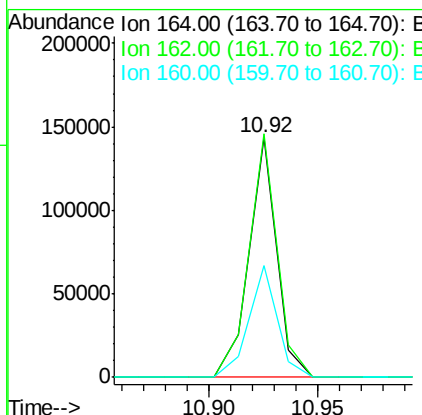
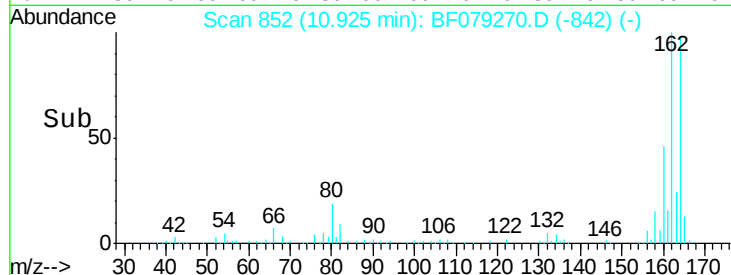
LAR9797-A



| Tot Ion   | 164   | Resp  | 126699 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.6 | 81.4  | 122.0  |
| 160       | 46.5  | 36.6  | 54.8   |

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#41

2,4,6-Tribromophenol

Concen: 151.34 ng

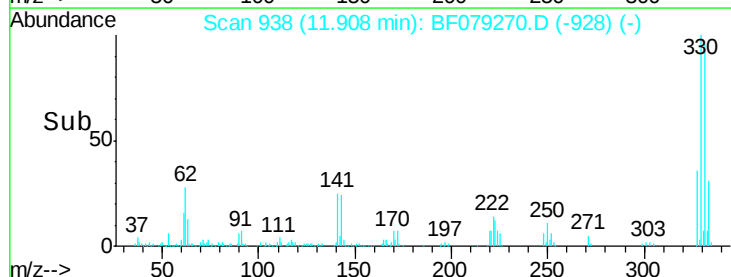
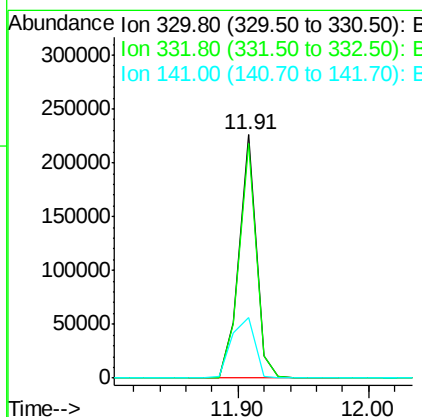
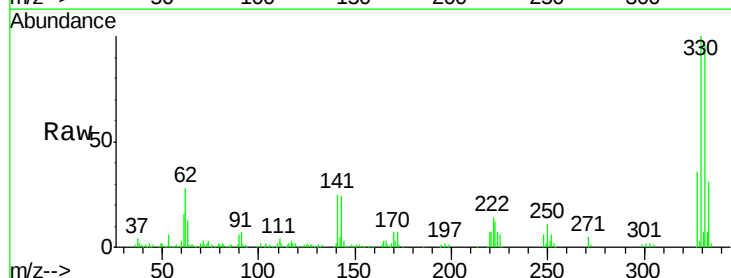
RT: 11.91 min Scan# 938

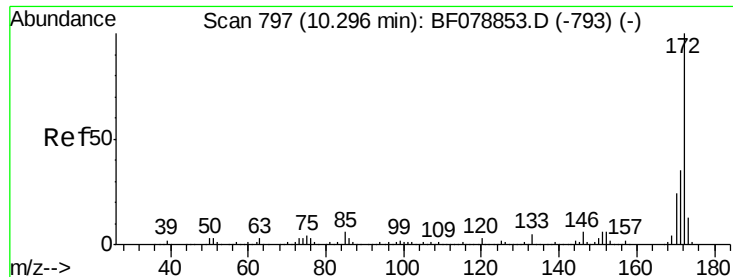
Delta R.T. 0.00 min

Lab File: BF079270.D

Acq: 15 May 2015 15:23

| Tgt Ion   | 330   | Resp  | 207430 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.7  | 76.9  | 115.3  |
| 141       | 33.8  | 27.8  | 41.8   |





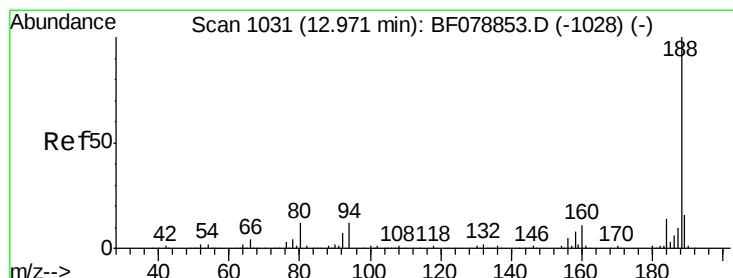
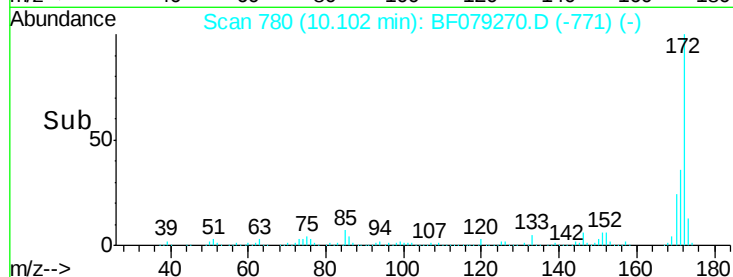
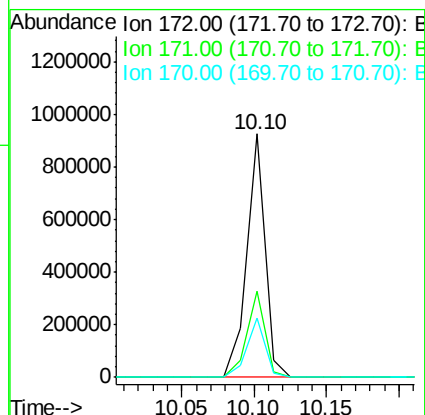
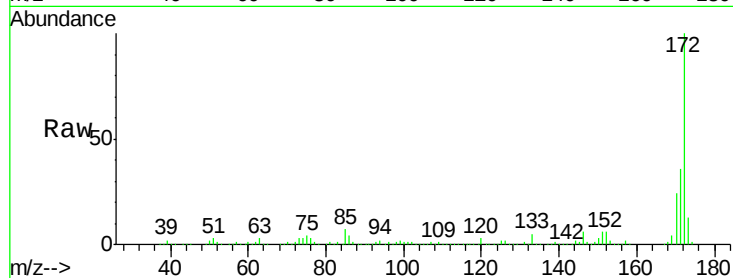
#44  
 2-Fluorobiphenyl  
 Concen: 89.27 ng  
 RT: 10.10 min Scan# 780  
 Delta R.T. 0.00 min  
 Lab File: BF079270.D  
 Acq: 15 May 2015 15:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LAR9797-A

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 811833 |       |       |
| 171     | 35.6  |        | 28.3  | 42.5  |
| 170     | 24.3  |        | 19.4  | 29.2  |

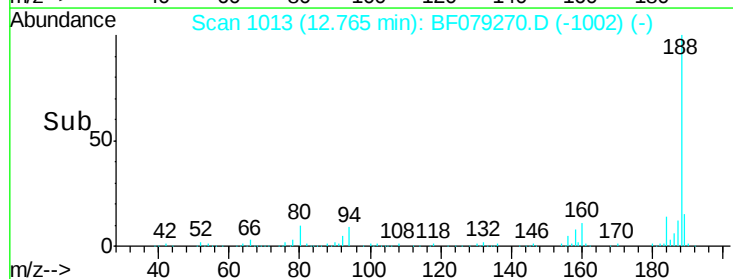
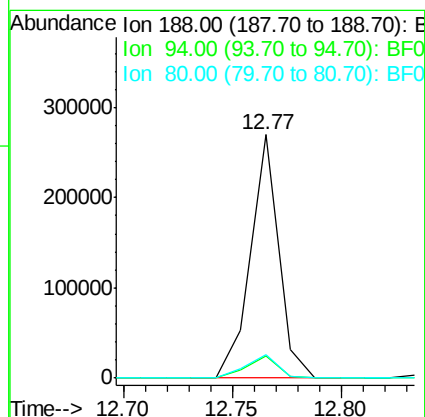
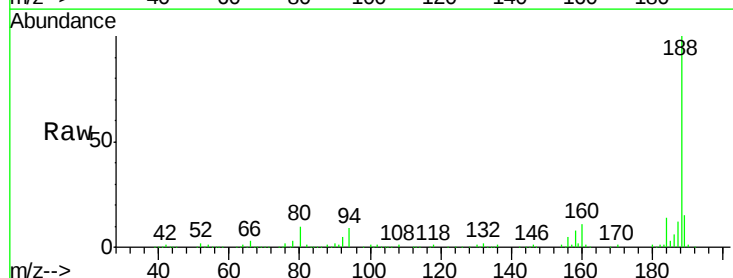
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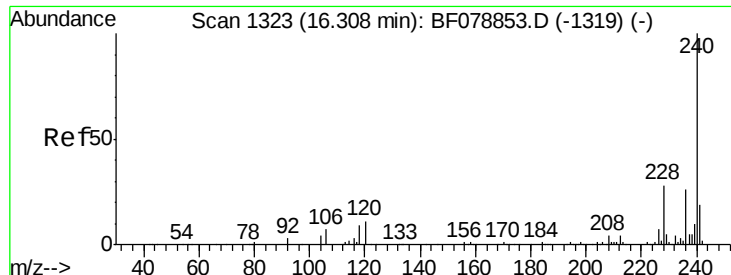
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#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 12.77 min Scan# 1013  
 Delta R.T. 0.00 min  
 Lab File: BF079270.D  
 Acq: 15 May 2015 15:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 243653 |       |       |
| 94      | 9.1   |        | 9.4   | 14.0# |
| 80      | 9.9   |        | 9.8   | 14.6  |





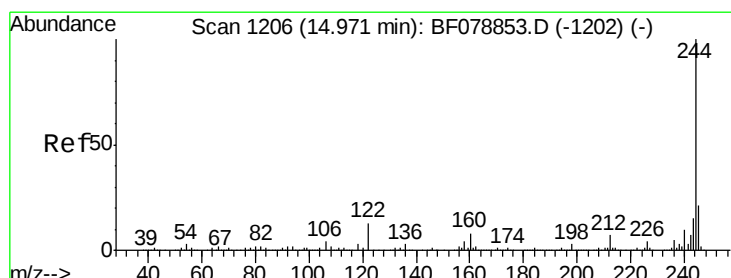
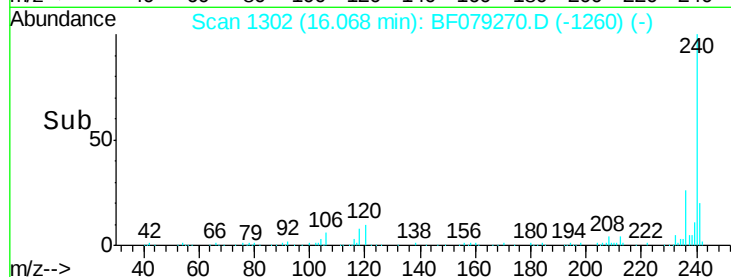
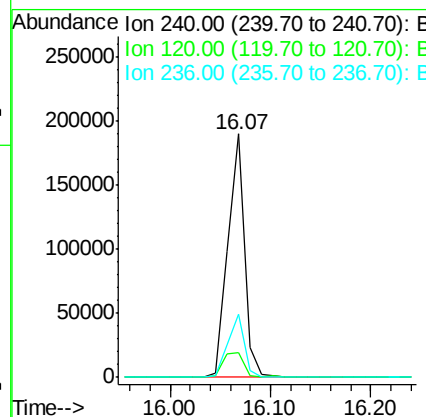
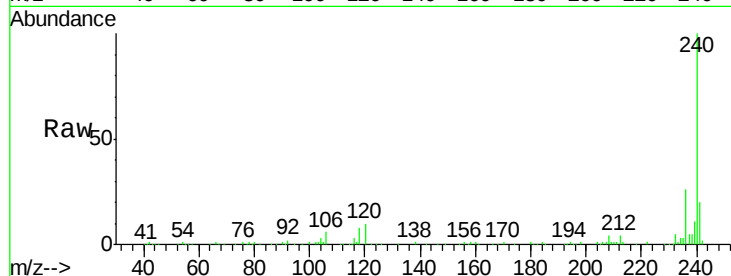
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.07 min Scan# 1302  
Delta R.T. -0.02 min  
Lab File: BF079270.D  
Acq: 15 May 2015 15:23

Instrument :  
BNA\_F  
ClientSampleId :  
LAR9797-A

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 220264 |       |       |
| 120     | 9.9   | 8.6    | 12.8  |       |
| 236     | 25.7  | 21.0   | 31.6  |       |

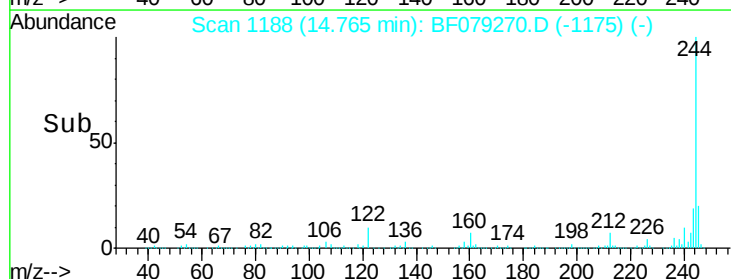
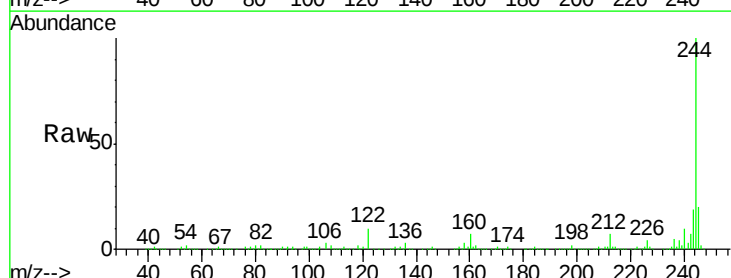
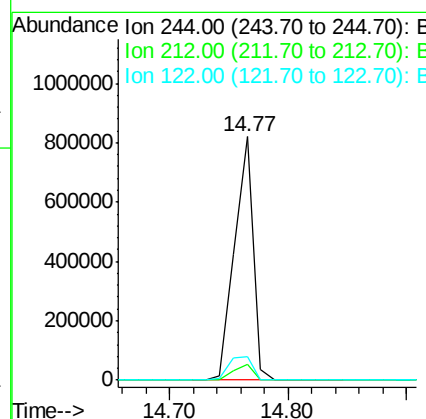
Manual Integrations  
APPROVED

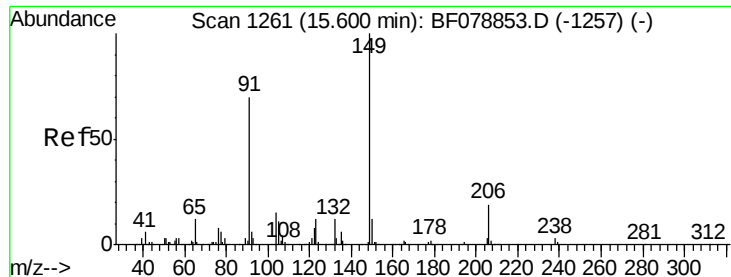
apatel  
5/18/2015 3:38:48 PM



#78  
Terphenyl-d14  
Concen: 96.84 ng  
RT: 14.77 min Scan# 1188  
Delta R.T. 0.00 min  
Lab File: BF079270.D  
Acq: 15 May 2015 15:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 244     | 100   | 890910 |       |       |
| 212     | 6.7   | 5.6    | 8.4   |       |
| 122     | 9.7   | 10.5   | 15.7  |       |





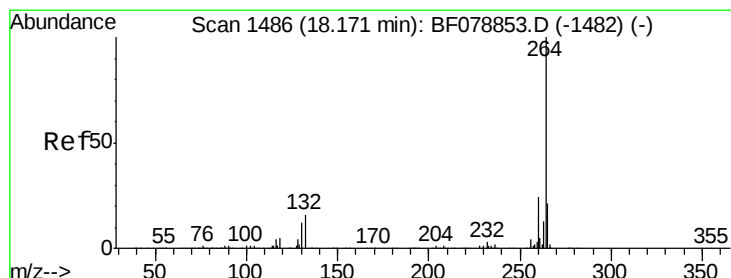
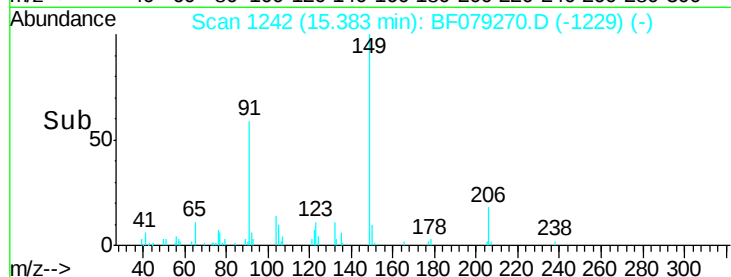
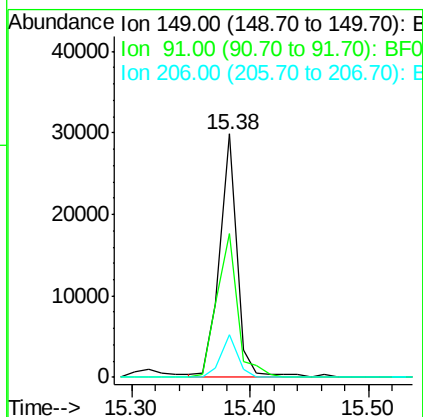
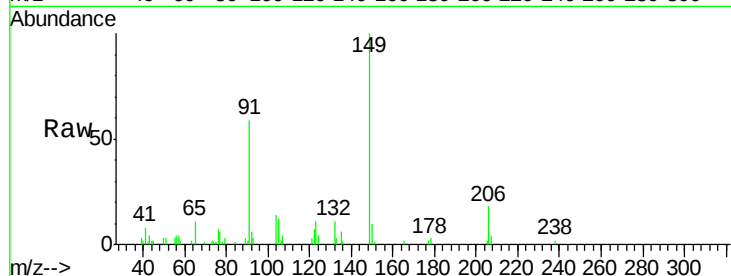
#79  
Butylbenzylphthalate  
Concen: 5.52 ng  
RT: 15.38 min Scan# 1242  
Delta R.T. -0.01 min  
Lab File: BF079270.D  
Acq: 15 May 2015 15:23

Instrument :  
BNA\_F  
ClientSampleId :  
LAR9797-A

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 149     | 100   | 30647 |       |       |
| 91      | 59.2  |       | 56.2  | 84.2  |
| 206     | 17.6  |       | 15.2  | 22.8  |

Manual Integrations  
APPROVED

apatel  
5/18/2015 3:38:48 PM



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 17.89 min Scan# 1461  
Delta R.T. -0.05 min  
Lab File: BF079270.D  
Acq: 15 May 2015 15:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 204577 |       |       |
| 260     | 24.3  |        | 19.2  | 28.8  |
| 265     | 22.1  |        | 17.2  | 25.8  |

