

Data Path : Z:\HPCHEM1\BNA E\DATA\BE093015\  
 Data File : BE090980.D  
 Acq On : 30 Sep 2015 15:56  
 Operator : UM/IZ  
 Sample : PB85802BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB85802BL

Manual Integrations  
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 10/1/2015 2:25:29 PM

Quant Time: Oct 01 04:20:10 2015  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 30 16:01:03 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.48  | 152  | 24758    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.28 | 136  | 108397m  | 5.00 | ng    | 0.03     |
| 13) Acenaphthene-d10        | 14.13 | 164  | 54644    | 5.00 | ng    | 0.02     |
| 19) Phenanthrene-d10        | 16.88 | 188  | 139291   | 5.00 | ng    | 0.02     |
| 26) Chrysene-d12            | 21.03 | 240  | 188125   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12            | 23.28 | 264  | 168316   | 5.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.11  | 112  | 43884    | 8.74 | ng    | 0.00     |
| 5) Phenol-d6                | 6.71  | 99   | 47320    | 7.47 | ng    | -0.01    |
| 8) Nitrobenzene-d5          | 8.69  | 82   | 28507m   | 4.02 | ng    | 0.04     |
| 14) 2,4,6-Tribromophenol    | 15.64 | 330  | 12265    | 6.51 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.77 | 172  | 51716    | 3.49 | ng    | 0.02     |
| 29) Terphenyl-d14           | 19.49 | 244  | 102212   | 4.41 | ng    | 0.00     |

Target Compounds Qvalue

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

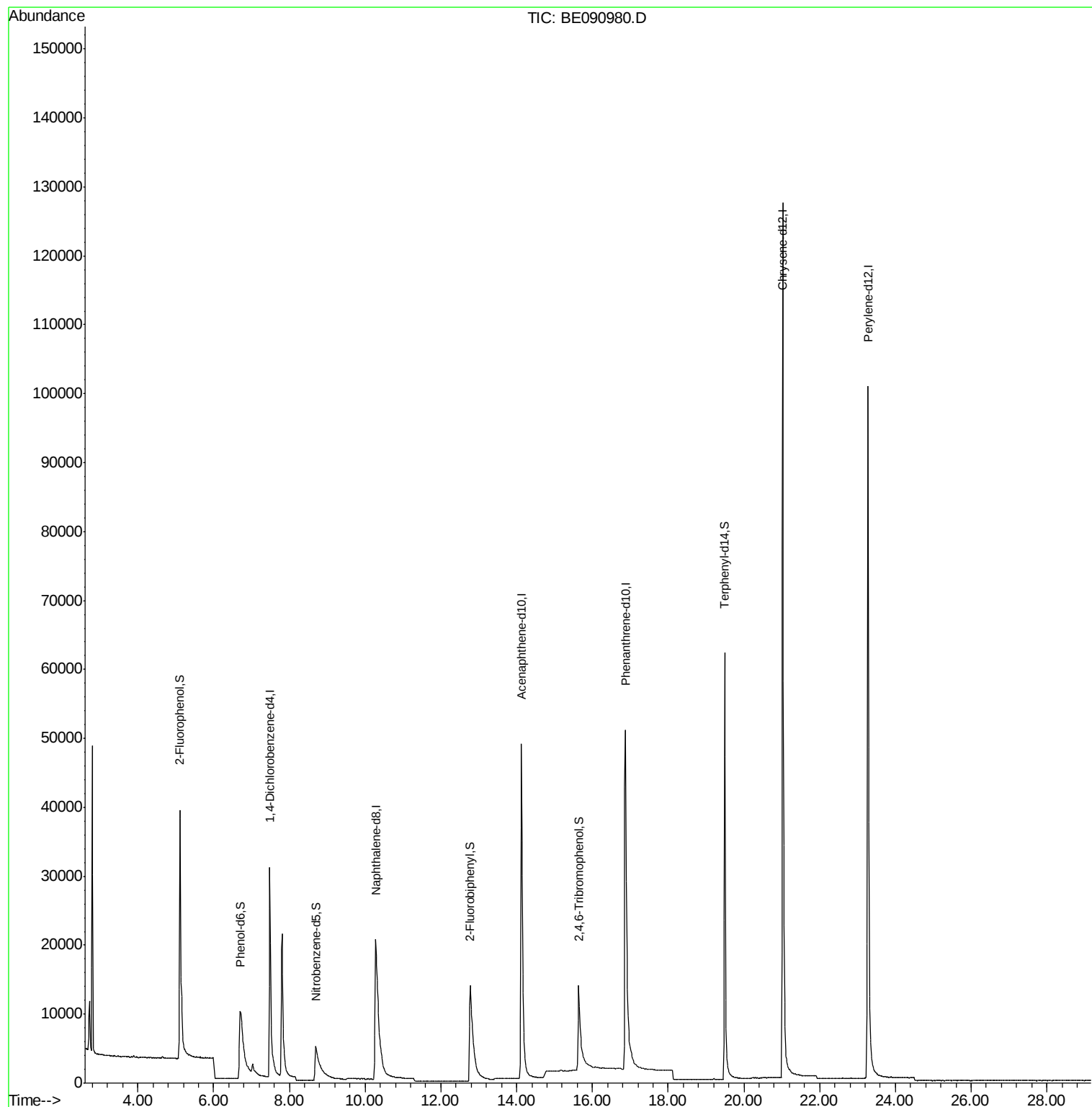
Data Path : Z:\HPCHEM1\BNA E\DATA\BE093015\  
Data File : BE090980.D  
Acq On : 30 Sep 2015 15:56  
Operator : UM/IZ  
Sample : PB85802BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

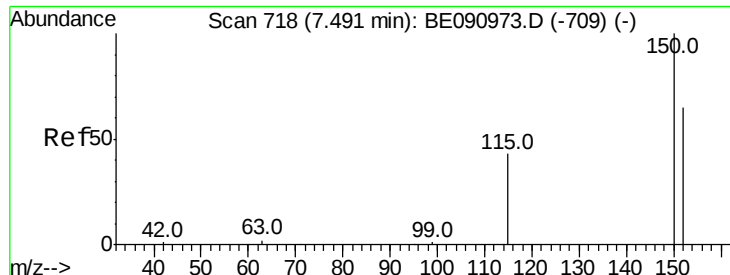
Instrument :  
BNA\_E  
ClientSampleId :  
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10/1/2015 2:25:29 PM

Quant Time: Oct 01 04:20:10 2015  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 30 16:01:03 2015  
Response via : Initial Calibration





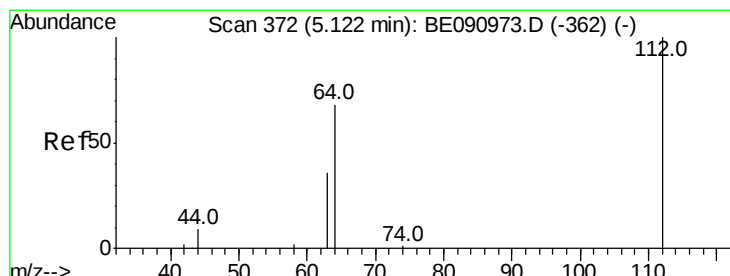
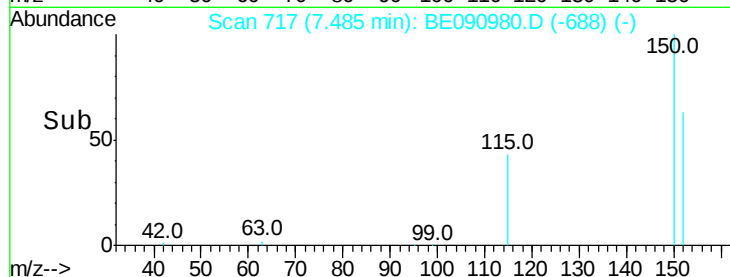
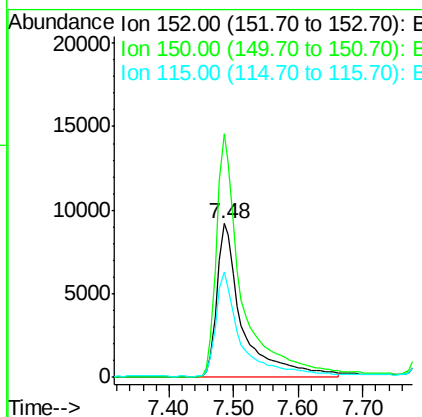
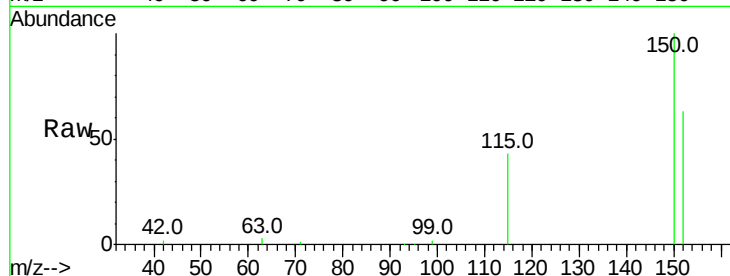
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 7.48 min Scan# 717  
 Delta R.T. -0.01 min  
 Lab File: BE090980.D  
 Acq: 30 Sep 2015 15:56

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB85802BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.6 | 122.6 | 183.8 |
| 115     | 68.8  | 52.8  | 79.2  |

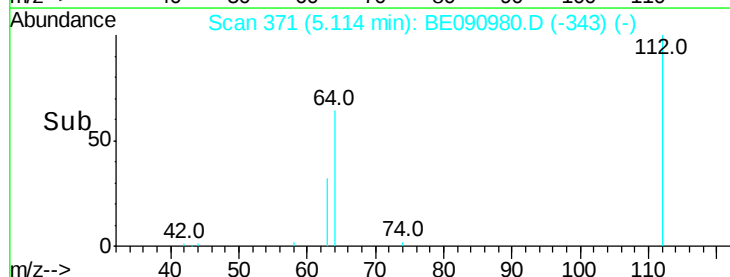
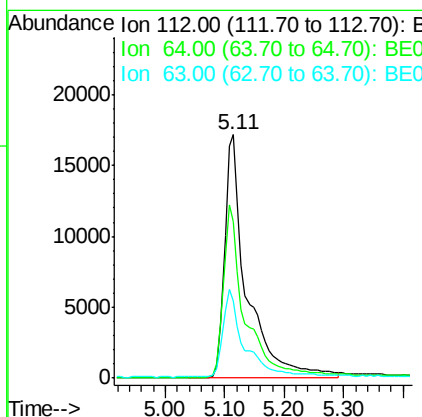
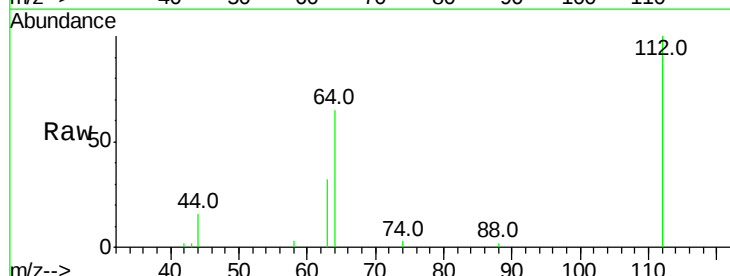
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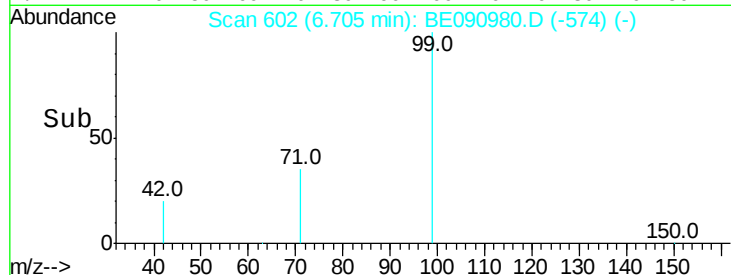
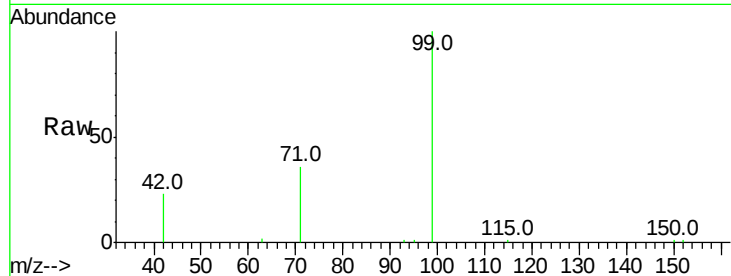
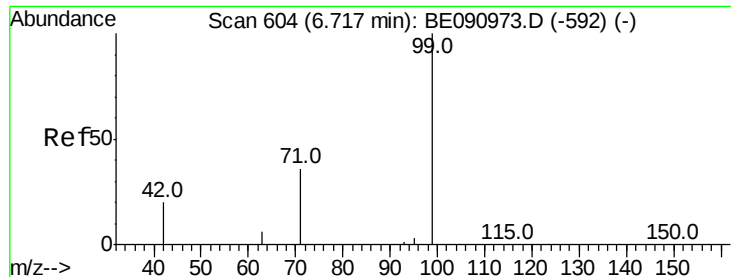
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#4  
 2-Fluorophenol  
 Concen: 8.74 ng  
 RT: 5.11 min Scan# 371  
 Delta R.T. -0.01 min  
 Lab File: BE090980.D  
 Acq: 30 Sep 2015 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.4  | 30.9  | 46.3# |
| 63      | 35.5  | 16.7  | 25.1# |





#5

Phenol-d6

Concen: 7.47 ng

RT: 6.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 47320 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 21.0  | 16.2  | 24.2  |
| 71        | 35.5  | 29.0  | 43.4  |

Instrument :

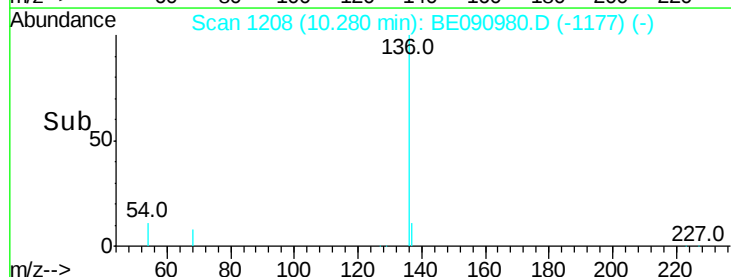
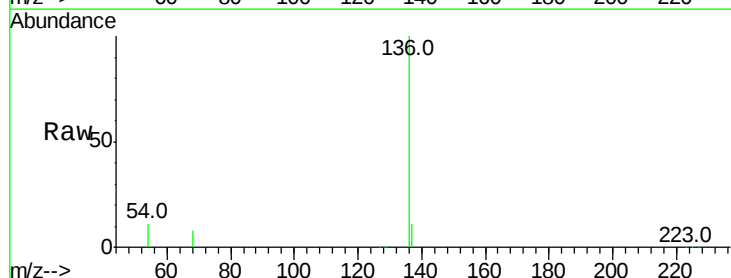
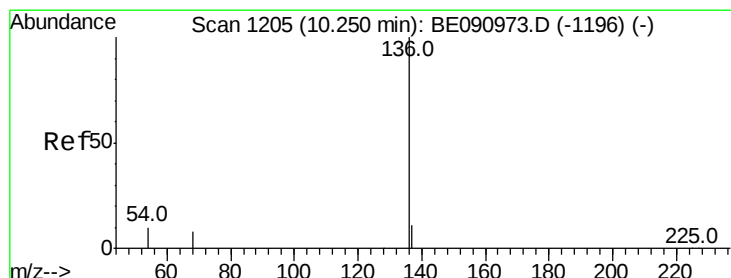
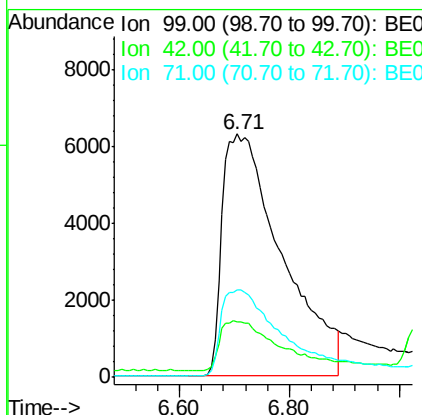
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ClientSampleId :

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#7

Naphthalene-d8

Concen: 5.00 ng m

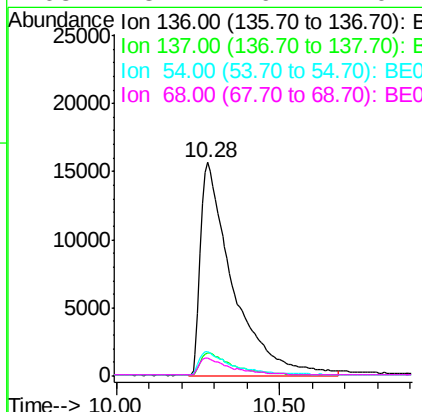
RT: 10.28 min Scan# 1208

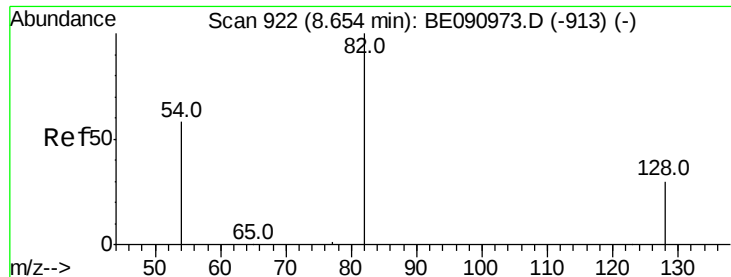
Delta R.T. 0.03 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 108397 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 8.9   | 13.3   |
| 54        | 11.5  | 8.2   | 12.4   |
| 68        | 8.1   | 6.2   | 9.4    |





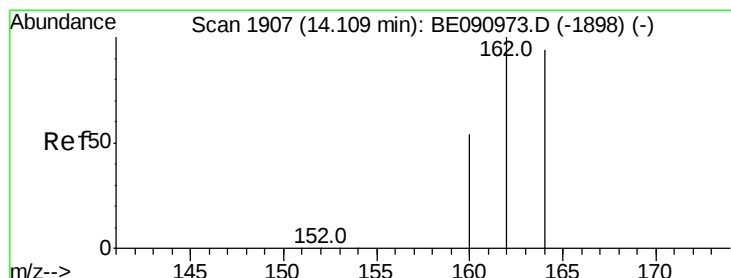
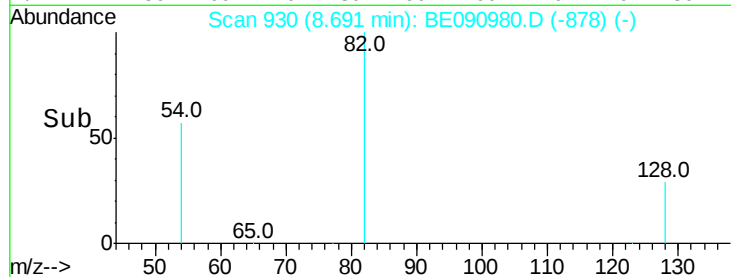
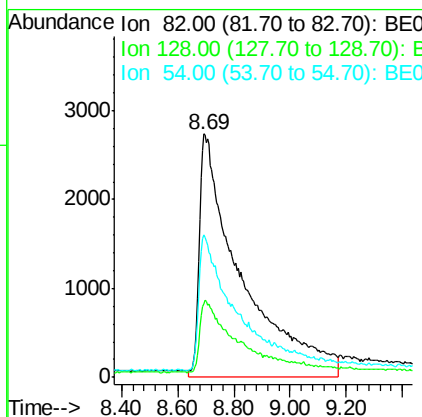
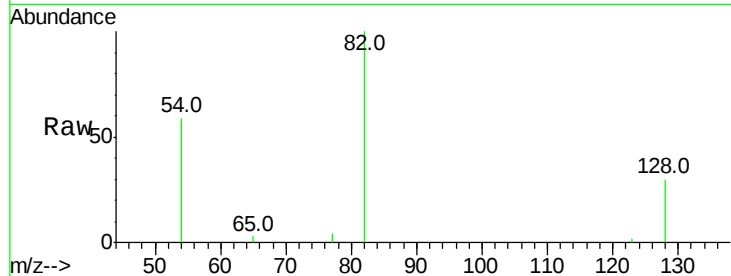
#8  
 Nitrobenzene-d5  
 Concen: 4.02 ng/ml  
 RT: 8.69 min Scan# 930  
 Delta R.T. 0.04 min  
 Lab File: BE090980.D  
 Acq: 30 Sep 2015 15:56

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB85802BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 30.1  | 25.4  | 38.0  |
| 54      | 58.7  | 48.4  | 72.6  |

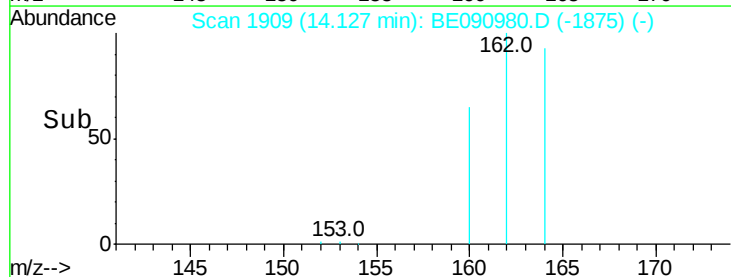
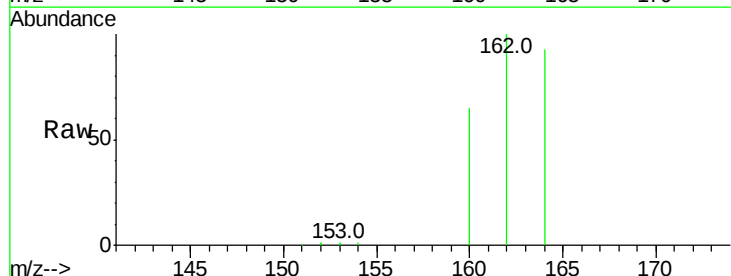
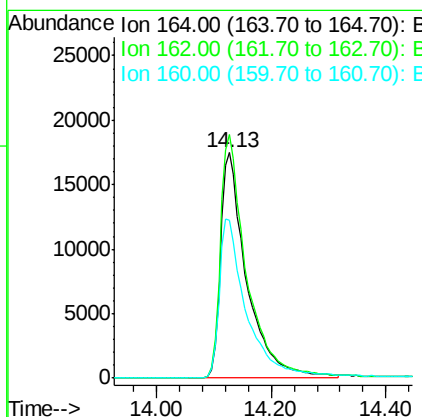
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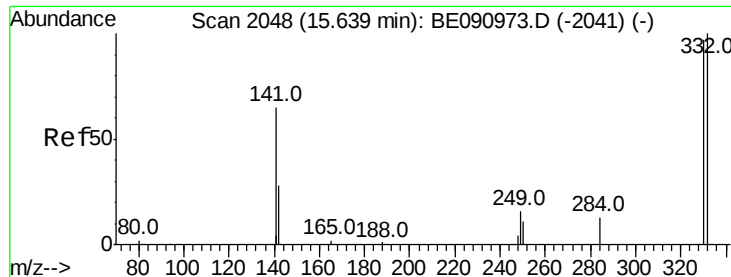
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#13  
 Acenaphthene-d10  
 Concen: 5.00 ng  
 RT: 14.13 min Scan# 1909  
 Delta R.T. 0.02 min  
 Lab File: BE090980.D  
 Acq: 30 Sep 2015 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 108.1 | 85.3  | 127.9 |
| 160     | 69.9  | 46.2  | 69.2  |





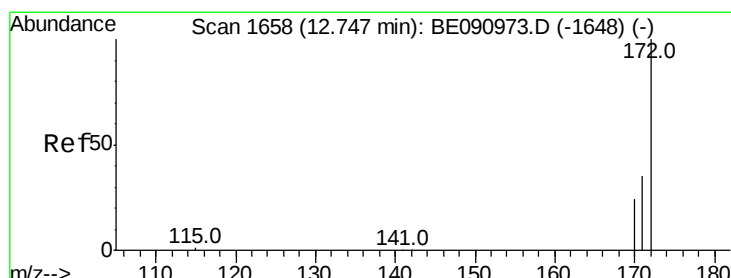
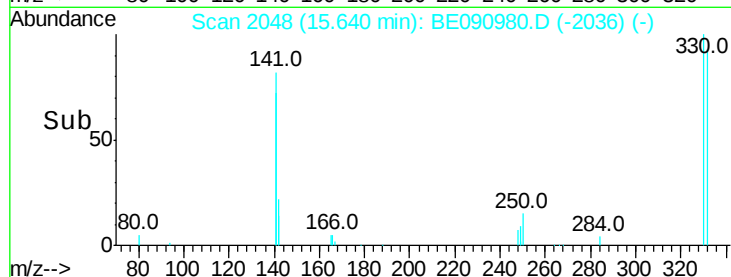
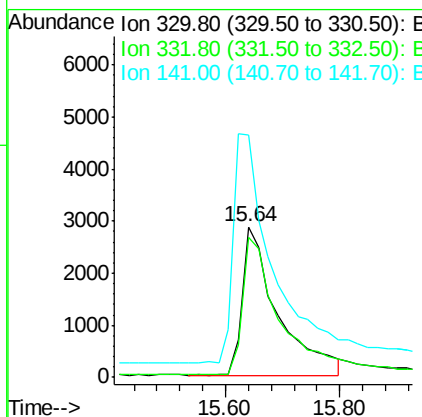
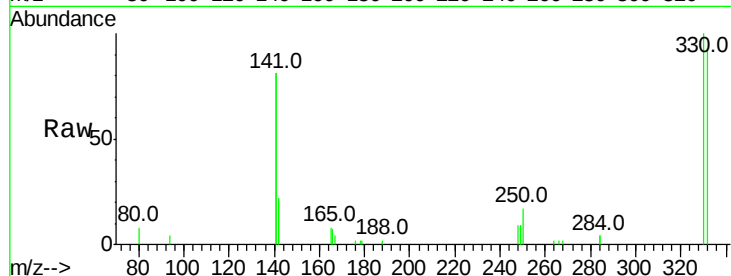
#14  
 2,4,6-Tribromophenol  
 Concen: 6.51 ng  
 RT: 15.64 min Scan# 2048  
 Delta R.T. 0.00 min  
 Lab File: BE090980.D  
 Acq: 30 Sep 2015 15:56

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB85802BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 79.1  | 118.7 |
| 141     | 173.2 | 125.4 | 188.0 |

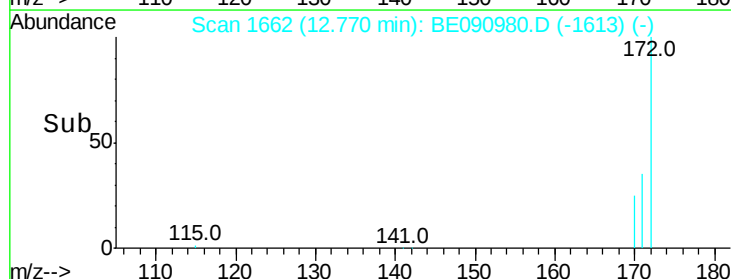
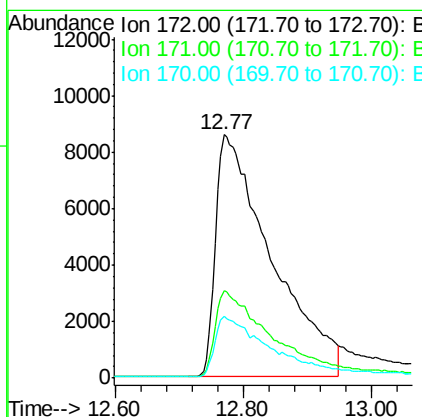
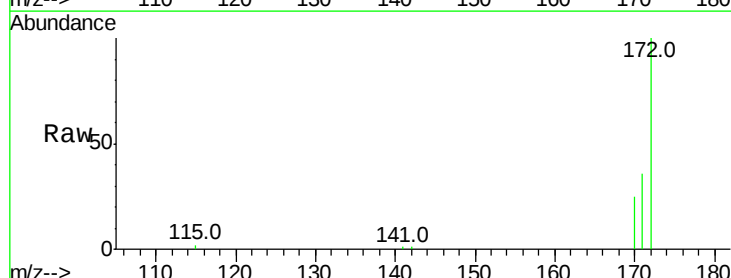
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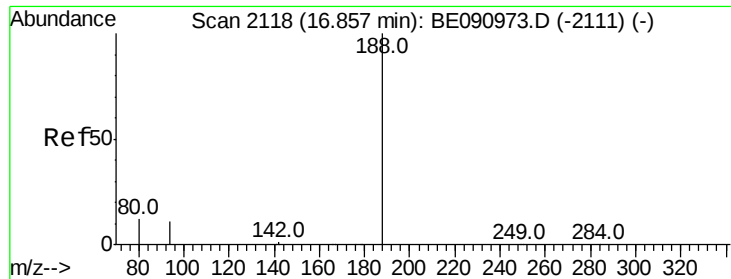
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#15  
 2-Fluorobiphenyl  
 Concen: 3.49 ng  
 RT: 12.77 min Scan# 1662  
 Delta R.T. 0.02 min  
 Lab File: BE090980.D  
 Acq: 30 Sep 2015 15:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 28.8  | 43.2  |
| 170     | 25.2  | 19.3  | 28.9  |





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.88 min Scan# 2119

Delta R.T. 0.02 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

Instrument :

BNA\_E

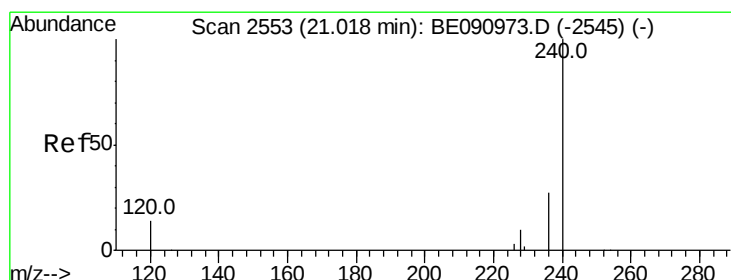
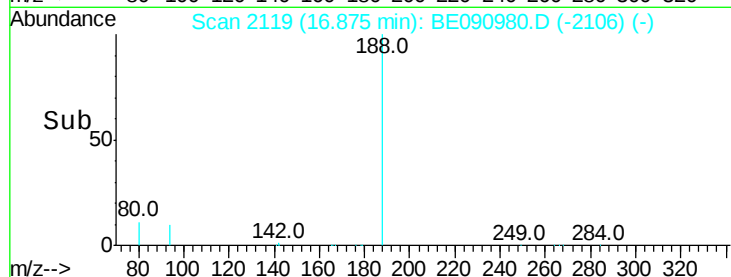
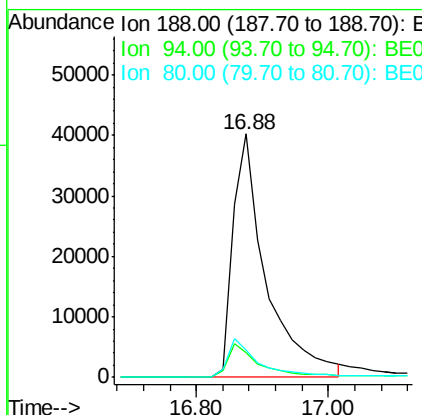
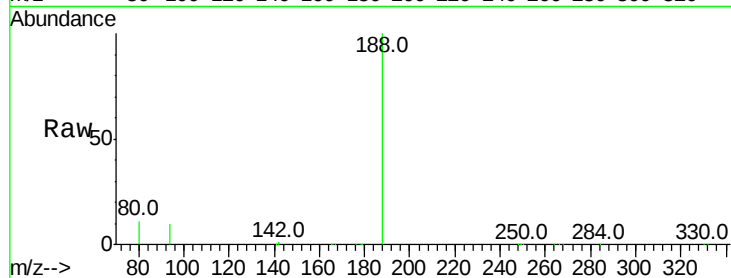
ClientSampleId :

PB85802BL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 139291 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 10.1  | 8.7   | 13.1   |
| 80        | 11.4  | 9.4   | 14.0   |

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#26

Chrysene-d12

Concen: 5.00 ng

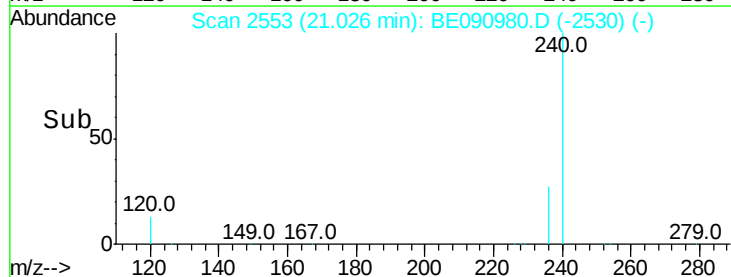
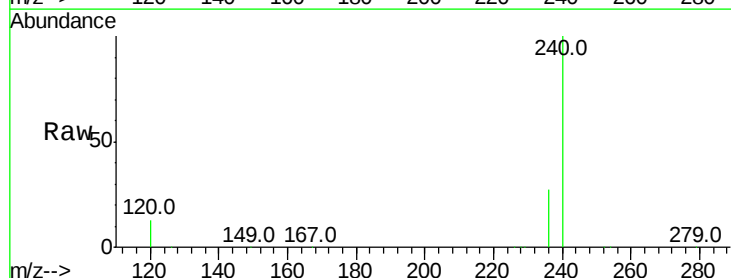
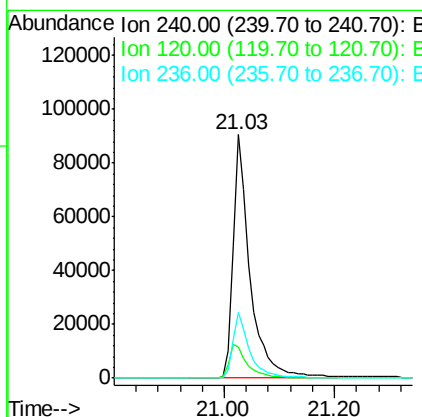
RT: 21.03 min Scan# 2553

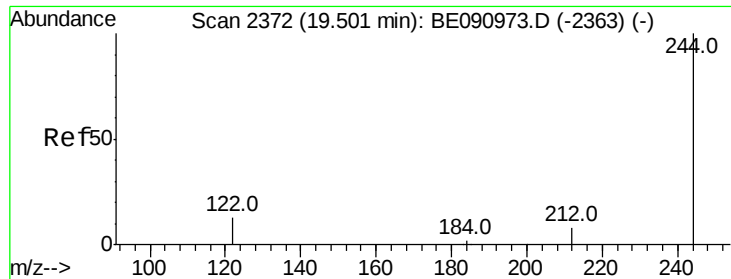
Delta R.T. 0.01 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 188125 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 12.9  | 11.0  | 16.4   |
| 236       | 26.7  | 21.7  | 32.5   |





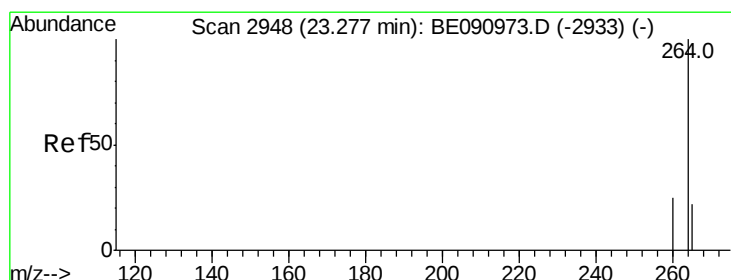
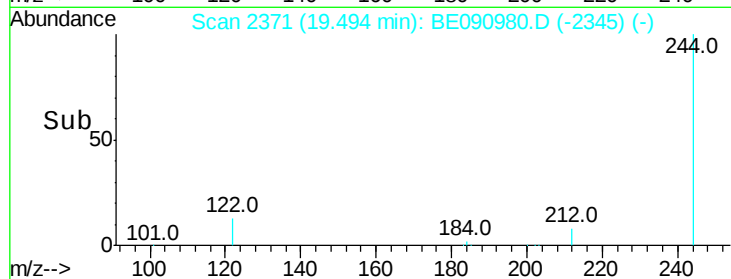
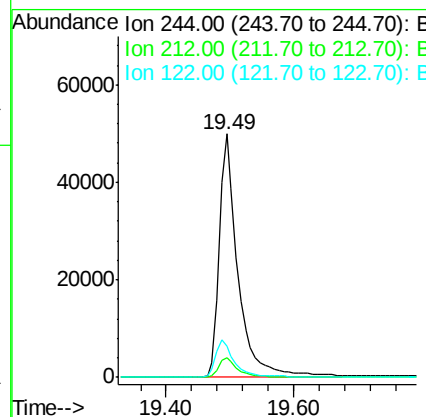
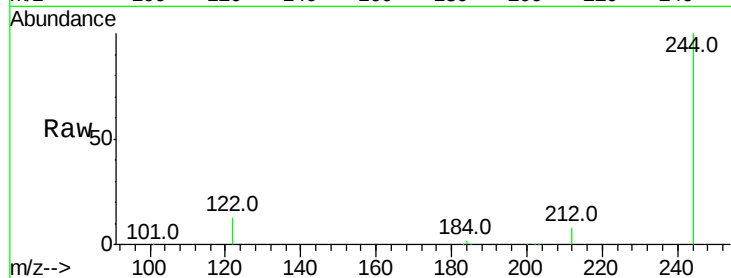
#29  
 Terphenyl-d14  
 Concen: 4.41 ng  
 RT: 19.49 min Scan# 2371  
 Delta R.T. -0.01 min  
 Lab File: BE090980.D  
 Acq: 30 Sep 2015 15:56

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB85802BL

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 244     | 100   |            |            |
| 212     | 8.2   | 6.9        | 10.3       |
| 122     | 12.9  | 11.0       | 16.4       |

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#35  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.28 min Scan# 2948  
 Delta R.T. 0.00 min  
 Lab File: BE090980.D  
 Acq: 30 Sep 2015 15:56

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 264     | 100   |            |            |
| 260     | 25.0  | 20.0       | 30.0       |
| 265     | 21.7  | 17.5       | 26.3       |

