

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022318\  
 Data File : BE095679.D  
 Acq On : 23 Feb 2018 12:43  
 Operator : SJ/JU  
 Sample : J1627-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS027-180219

Manual Integrations  
 APPROVED

Sohil  
 2/26/2018 11:20:28 AM

Quant Time: Feb 23 18:42:11 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 23 12:12:42 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.42  | 152  | 1229     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8              | 11.28 | 136  | 4726     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10           | 15.00 | 164  | 2861     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.71 | 188  | 6670     | 0.40 | ng    | 0.01     |
| 27) Chrysene-d12               | 21.79 | 240  | 6721     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12               | 24.42 | 264  | 6342     | 0.40 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 4) 2-Fluorophenol              | 5.92  | 112  | 541      | 0.17 | ng    | 0.00     |
| 5) Phenol-d6                   | 7.55  | 99   | 440m     | 0.10 | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 9.61  | 82   | 1839     | 0.38 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.80 | 152  | 3196     | 0.40 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 16.47 | 330  | 467      | 0.46 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.64 | 172  | 6309     | 0.49 | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.68 | 212  | 36149    | 0.41 | ng    | 0.00     |
| 29) Terphenyl-d14              | 20.25 | 244  | 8620     | 0.64 | ng    | 0.00     |
| Target Compounds               |       |      |          |      |       |          |
| 22) Pentachlorophenol          | 17.37 | 266  | 143      | 0.27 | ng    | 89       |
| 32) Bis(2-ethylhexyl)phthalate | 21.65 | 149  | 4584     | 0.12 | ng    | 97       |

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

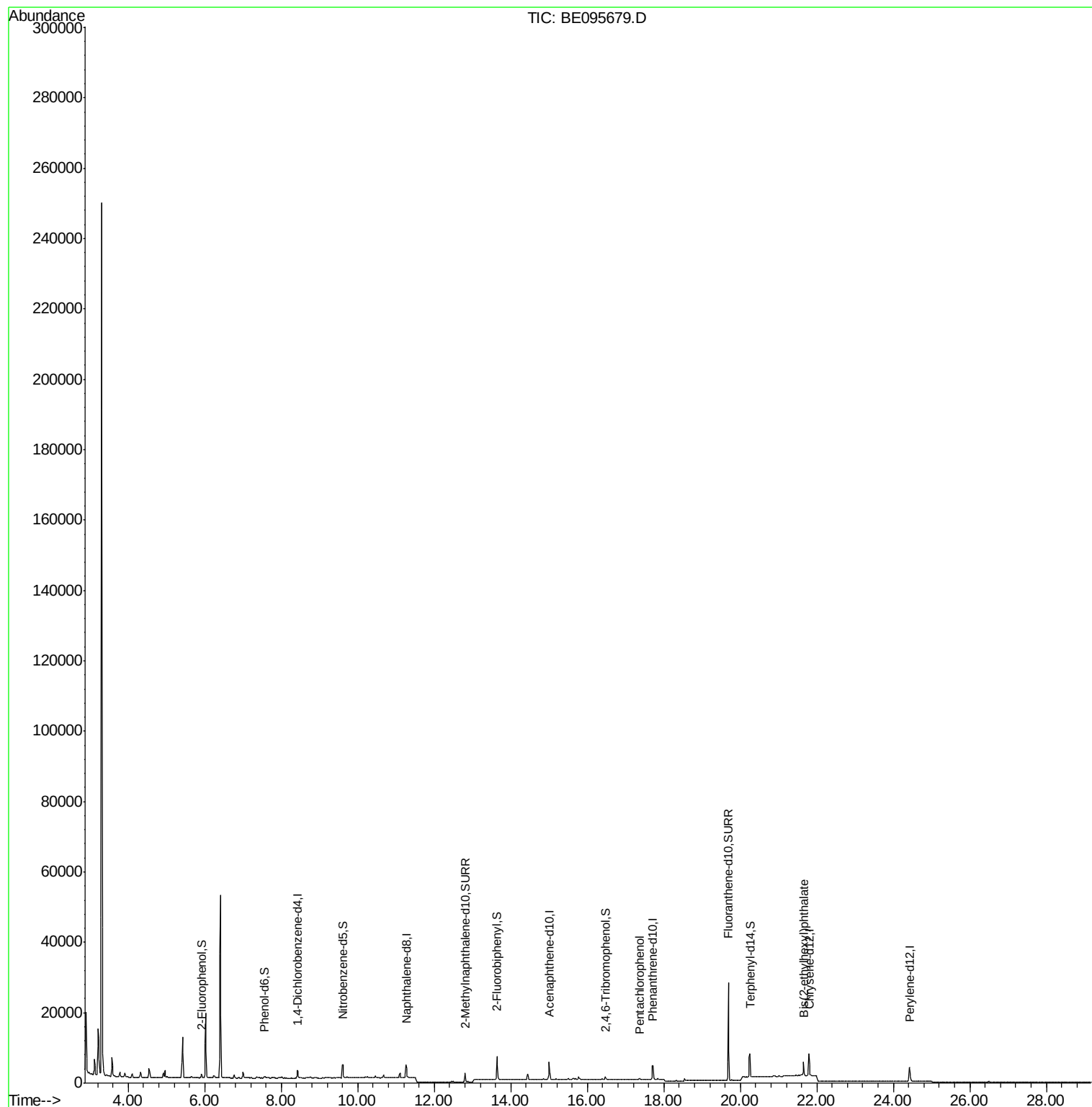
Data Path : Z:\HPCHEM1\BNA E\DATA\BE022318\  
Data File : BE095679.D  
Acq On : 23 Feb 2018 12:43  
Operator : SJ/JU  
Sample : J1627-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

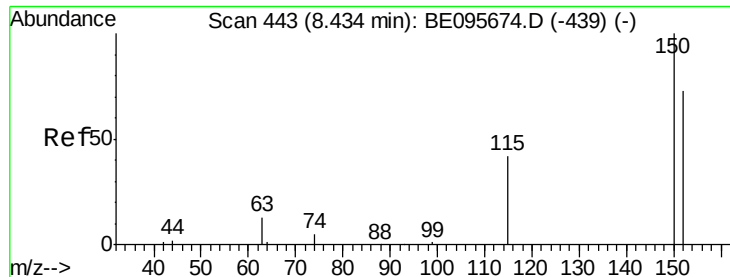
Instrument :  
BNA\_E  
ClientSampleId :  
KY038PS027-180219

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Quant Time: Feb 23 18:42:11 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 23 12:12:42 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 8.42 min Scan# 442

Delta R.T. -0.01 min

Lab File: BE095679.D

Acq: 23 Feb 2018 12:43

Instrument :

BNA\_E

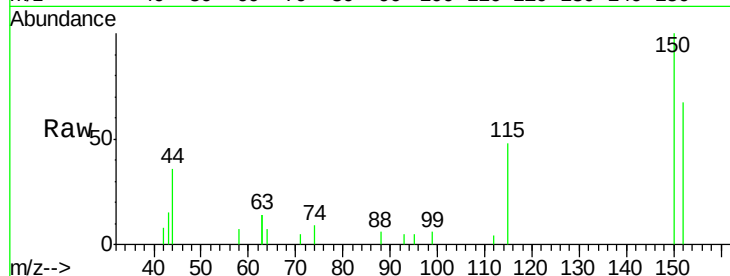
ClientSampleId :

KY038PS027-180219

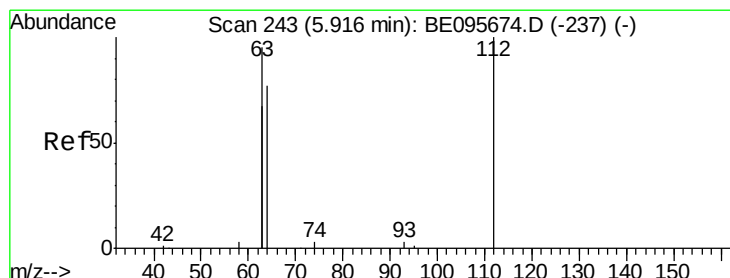
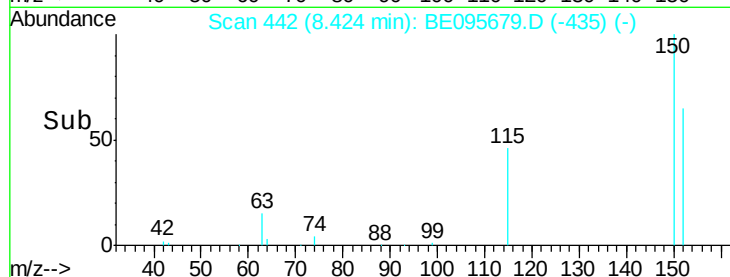
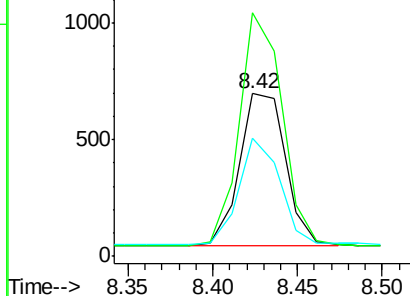
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 152   | Resp: | 1229  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 150      | 149.9 | 117.2 | 175.8 |
| 115      | 72.7  | 57.0  | 85.6  |

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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



#4

2-Fluorophenol

Concen: 0.17 ng

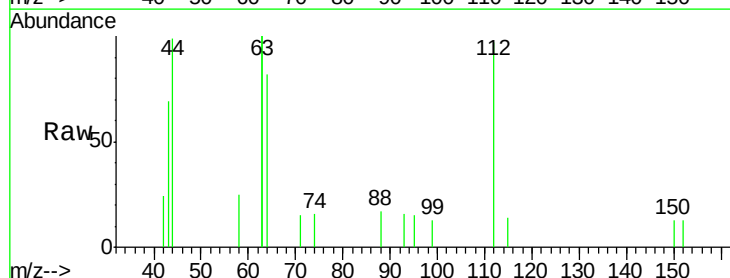
RT: 5.92 min Scan# 243

Delta R.T. 0.00 min

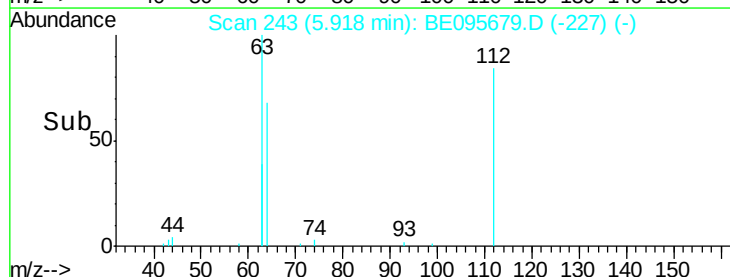
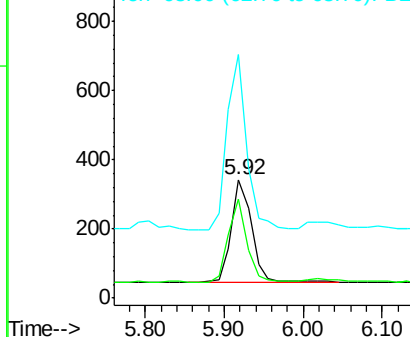
Lab File: BE095679.D

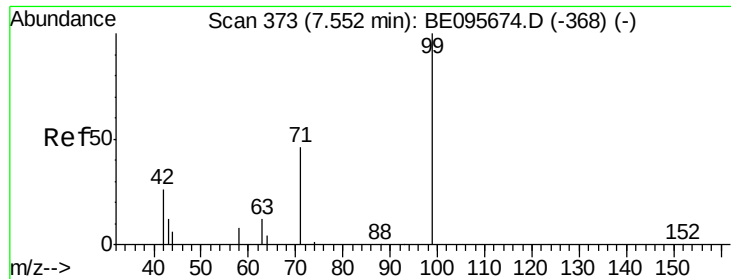
Acq: 23 Feb 2018 12:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 541   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 71.0  | 60.1  | 90.1  |
| 63       | 162.8 | 116.8 | 175.2 |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.10 ng/ml

RT: 7.55 min Scan# 373

Delta R.T. 0.00 min

Lab File: BE095679.D

Acq: 23 Feb 2018 12:43

Instrument :

BNA\_E

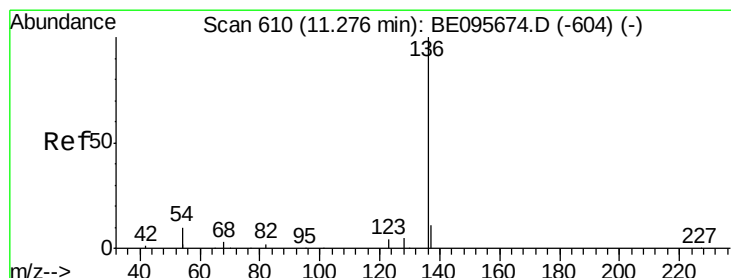
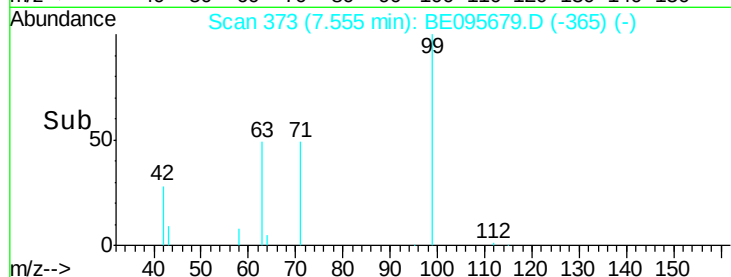
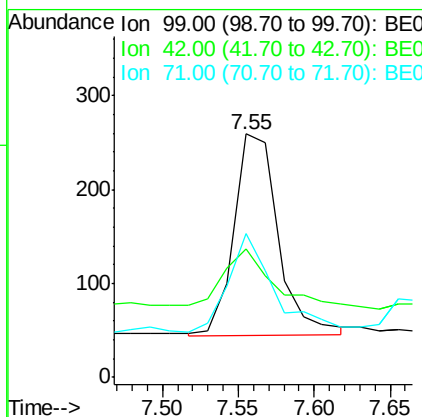
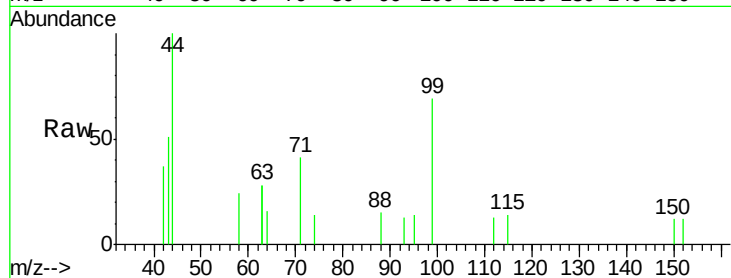
ClientSampleId :

KY038PS027-180219

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 440   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 28.4  | 20.2  | 30.2  |
| 71       | 43.0  | 28.4  | 42.6# |

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#7

Naphthalene-d8

Concen: 0.40 ng

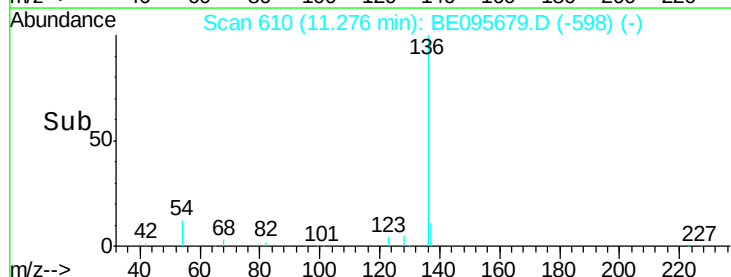
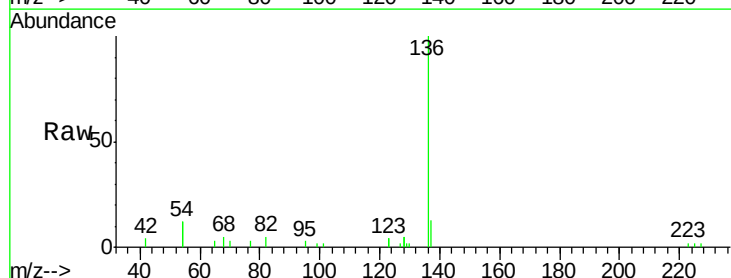
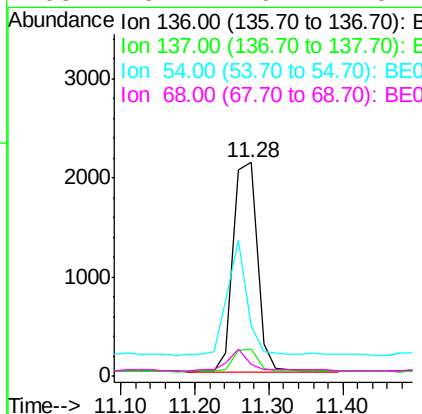
RT: 11.28 min Scan# 610

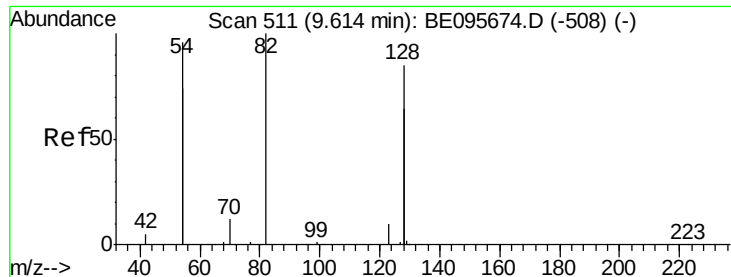
Delta R.T. -0.00 min

Lab File: BE095679.D

Acq: 23 Feb 2018 12:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 4726  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.7  | 9.5   | 14.3  |
| 54       | 23.3  | 29.1  | 43.7# |
| 68       | 5.4   | 6.2   | 9.2#  |





#8

Nitrobenzene-d5

Concen: 0.38 ng

RT: 9.61 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE095679.D

Acq: 23 Feb 2018 12:43

Instrument :

BNA\_E

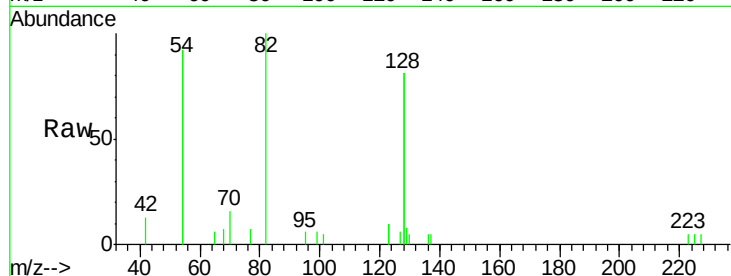
ClientSampleId :

KY038PS027-180219

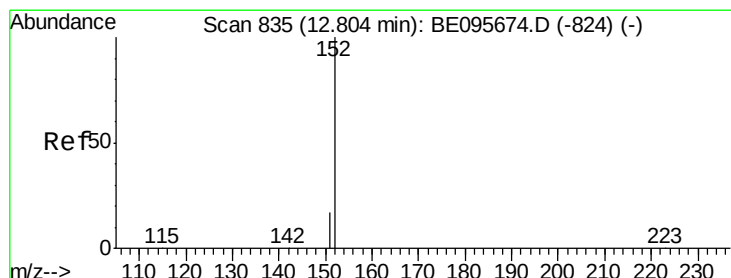
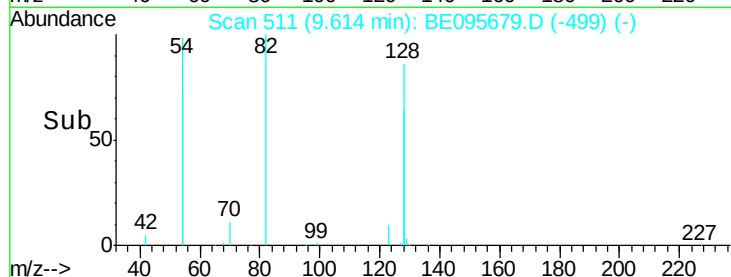
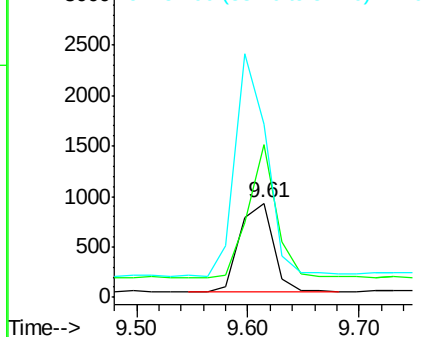
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 1839  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 162.6 | 150.0 | 225.0 |
| 54       | 184.2 | 154.2 | 231.4 |

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Abundance Ion 82.00 (81.70 to 82.70): BE0  
Ion 128.00 (127.70 to 128.70): BE0  
Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.40 ng

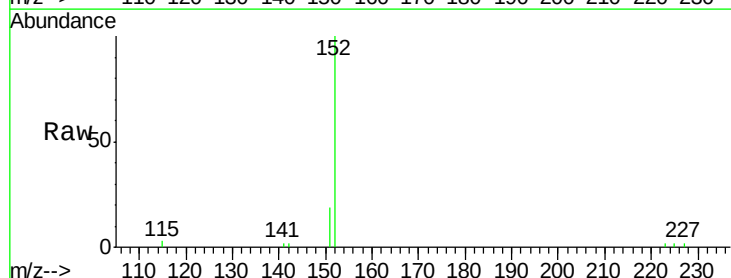
RT: 12.80 min Scan# 835

Delta R.T. 0.00 min

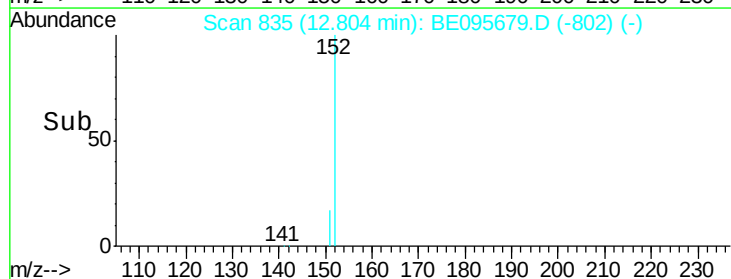
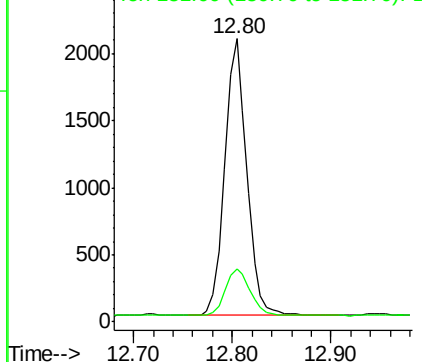
Lab File: BE095679.D

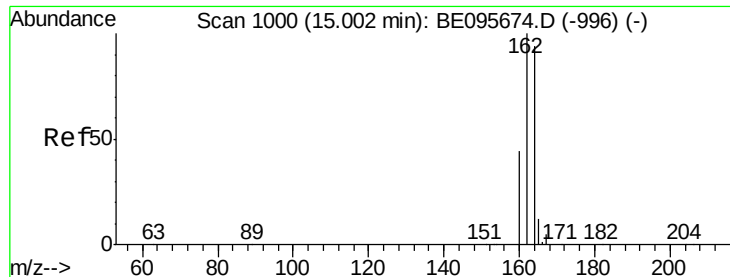
Acq: 23 Feb 2018 12:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 3196  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 19.2  | 15.4  | 23.0  |



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 15.00 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE095679.D

Acq: 23 Feb 2018 12:43

Instrument :

BNA\_E

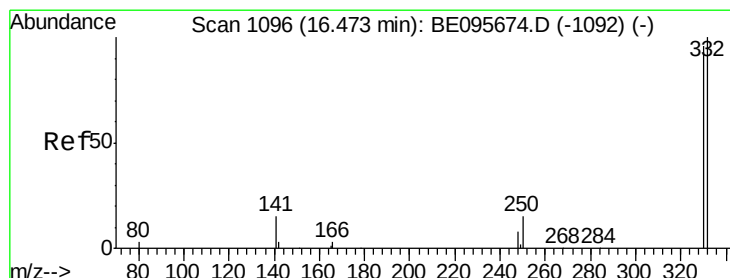
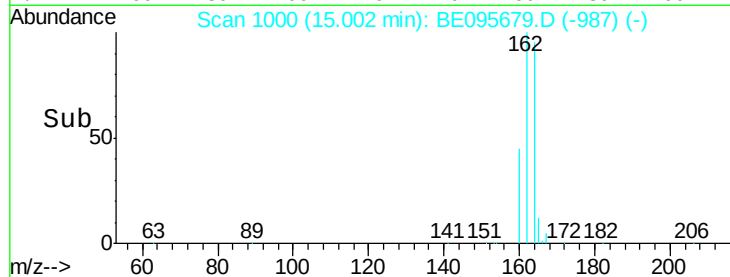
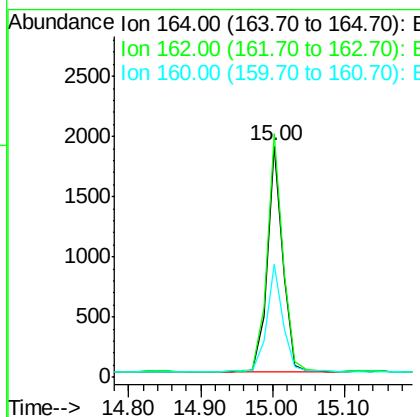
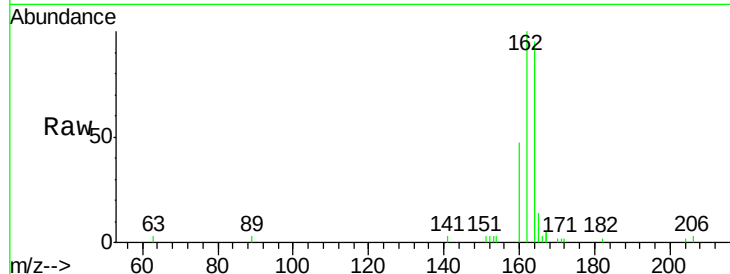
ClientSampleId :

KY038PS027-180219

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 164   | Resp: | 2861  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 105.3 | 83.1  | 124.7 |
| 160       | 49.0  | 37.1  | 55.7  |

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#14

2,4,6-Tribromophenol

Concen: 0.46 ng

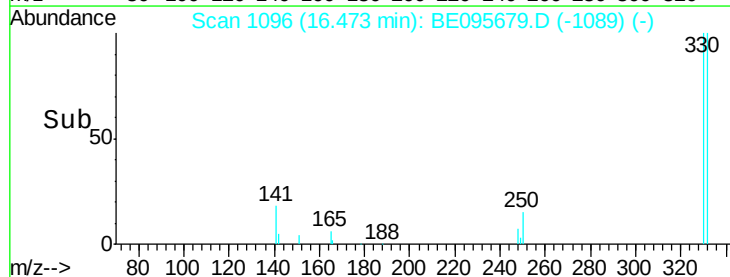
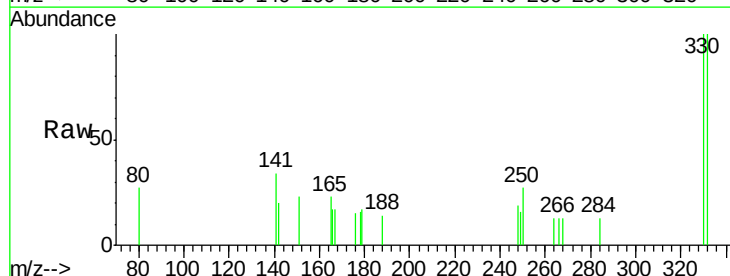
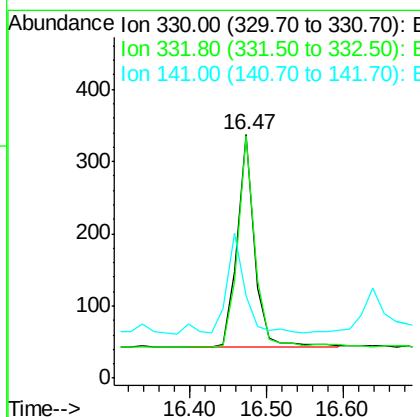
RT: 16.47 min Scan# 1096

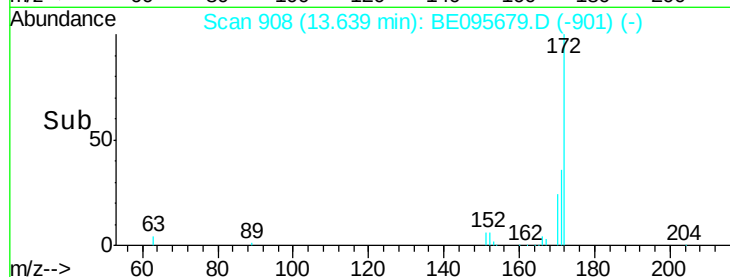
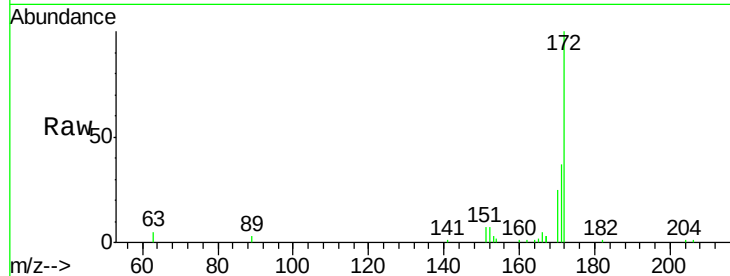
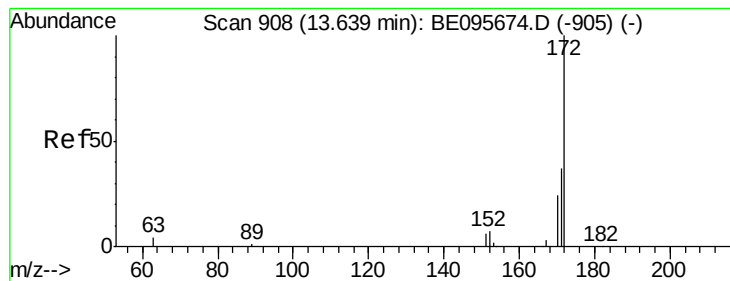
Delta R.T. 0.00 min

Lab File: BE095679.D

Acq: 23 Feb 2018 12:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 467    |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.1  | 152.7 | 229.1# |
| 141       | 46.0  | 33.7  | 50.5   |





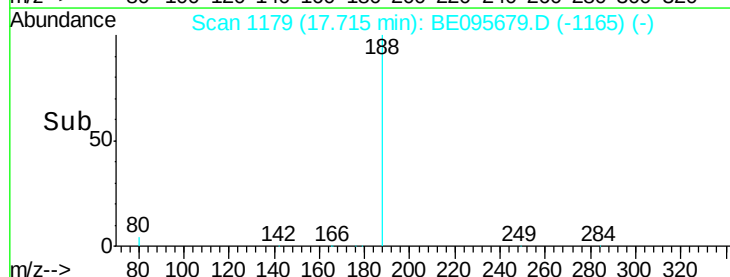
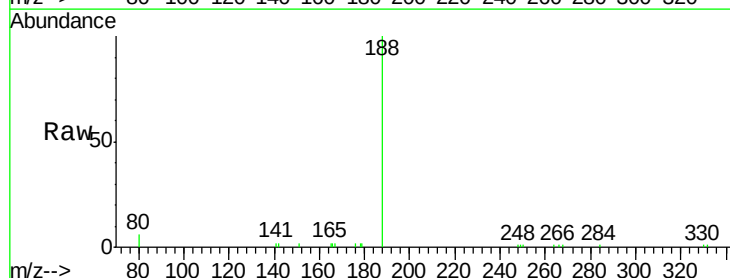
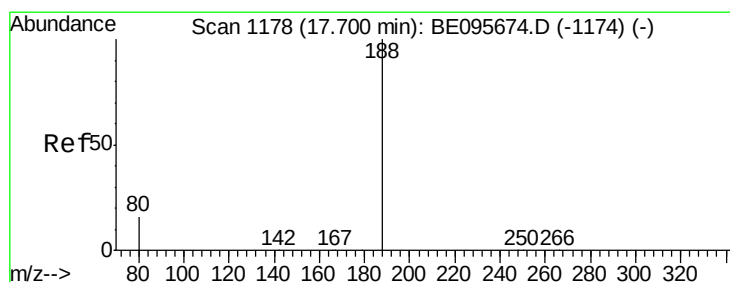
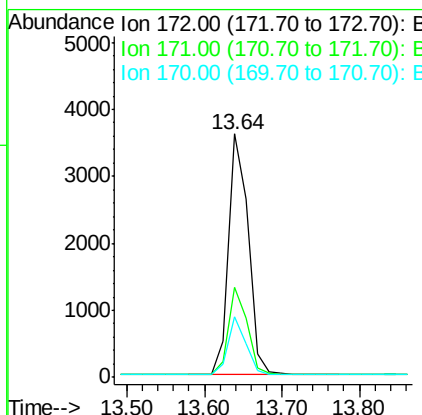
#15  
2-Fluorobiphenyl  
Concen: 0.49 ng  
RT: 13.64 min Scan# 908  
Delta R.T. -0.00 min  
Lab File: BE095679.D  
Acq: 23 Feb 2018 12:43

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 29.9  | 44.9  |
| 170     | 24.8  | 21.8  | 32.8  |

Instrument :  
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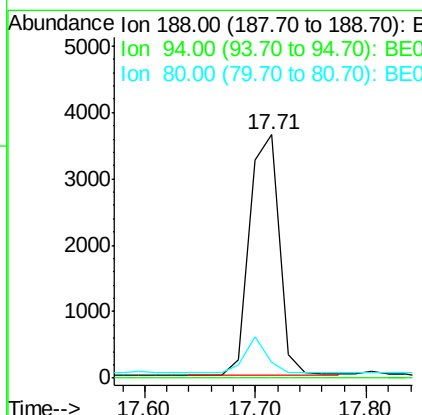
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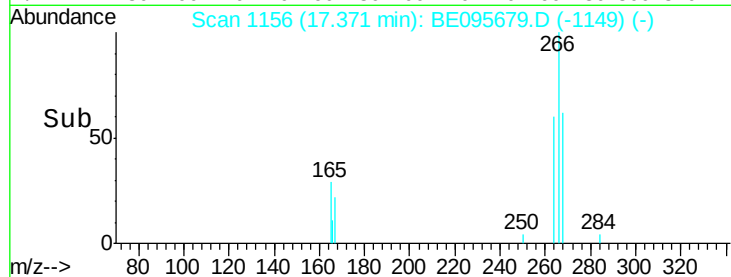
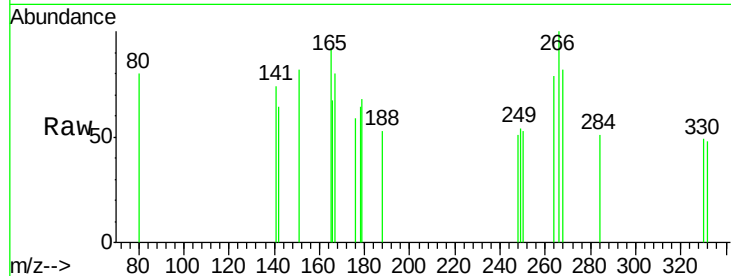
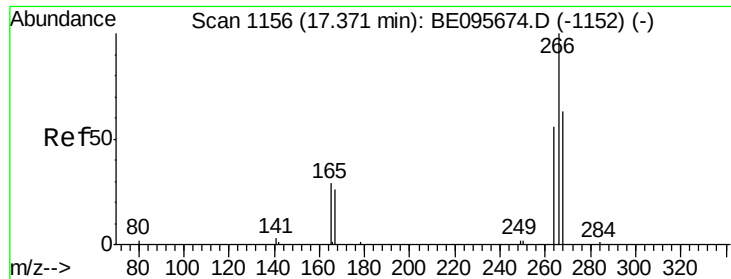
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#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.71 min Scan# 1179  
Delta R.T. 0.01 min  
Lab File: BE095679.D  
Acq: 23 Feb 2018 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 3.9   | 5.9#  |
| 80      | 6.4   | 3.6   | 5.4#  |





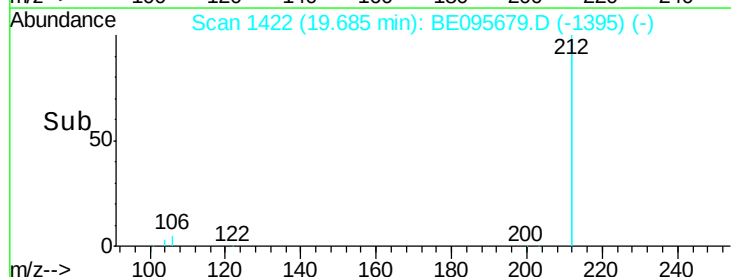
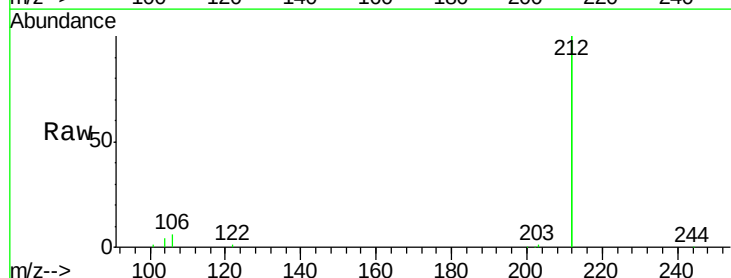
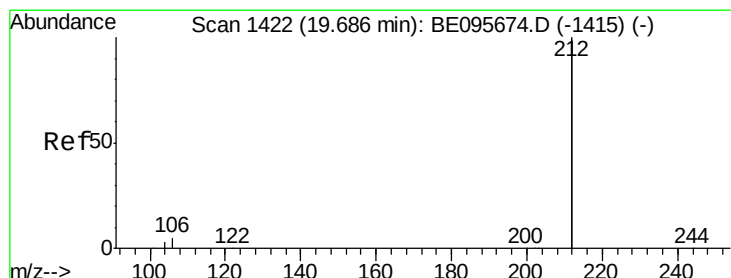
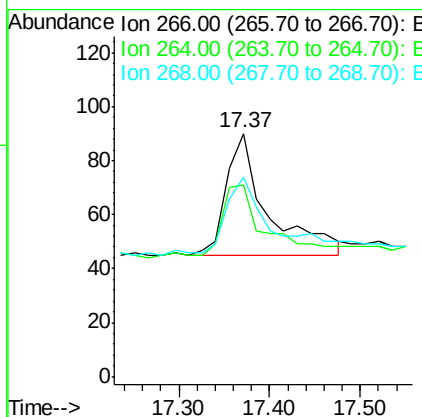
#22  
Pentachlorophenol  
Concen: 0.27 ng  
RT: 17.37 min Scan# 1156  
Delta R.T. 0.00 min  
Lab File: BE095679.D  
Acq: 23 Feb 2018 12:43

Instrument :  
BNA\_E  
ClientSampleId :  
KY038PS027-180219

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 78.9  | 72.5  | 108.7 |
| 268     | 82.2  | 73.8  | 110.6 |

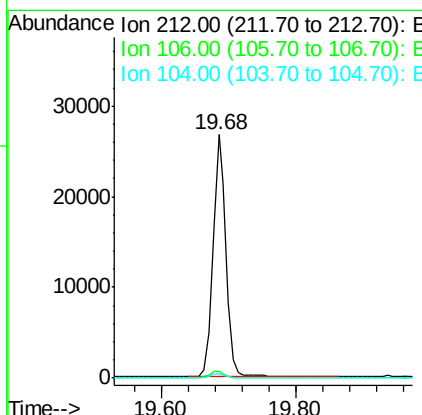
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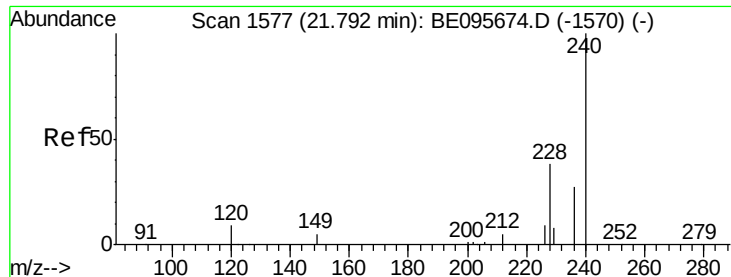


#25  
Fluoranthene-d10  
Concen: 0.41 ng  
RT: 19.68 min Scan# 1422  
Delta R.T. -0.00 min  
Lab File: BE095679.D  
Acq: 23 Feb 2018 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 2.9   | 2.8   | 4.2   |
| 104     | 1.7   | 1.6   | 2.4   |







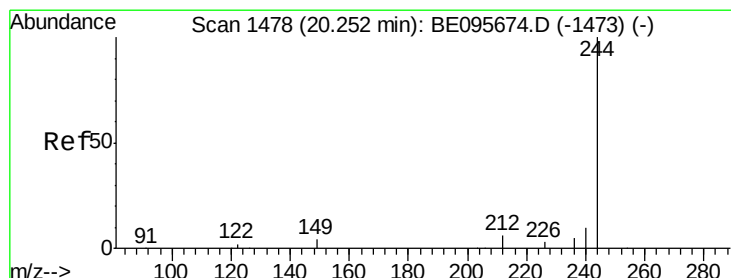
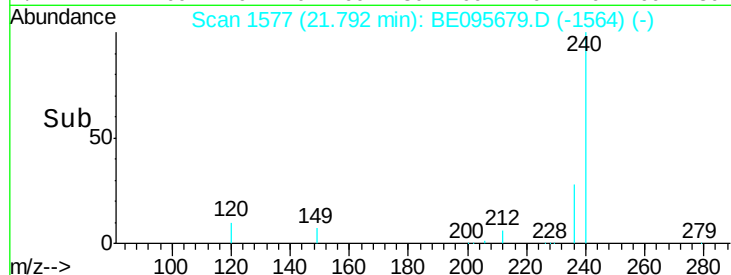
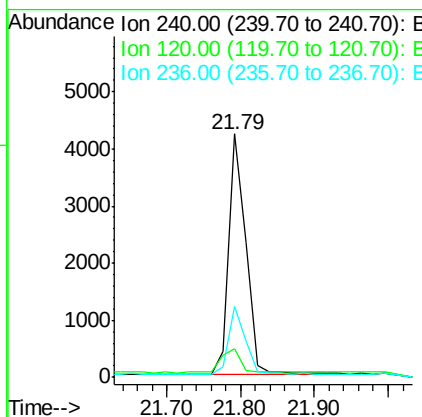
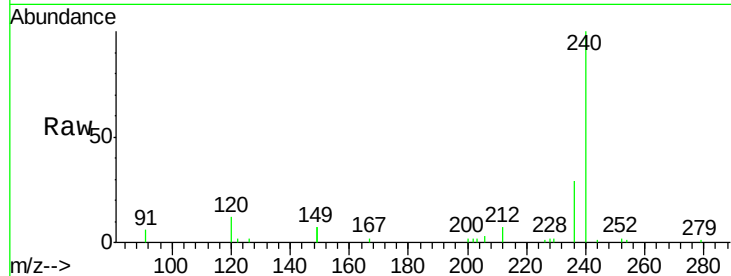
#27  
 Chrysene-d12  
 Concen: 0.40 ng  
 RT: 21.79 min Scan# 1577  
 Delta R.T. -0.00 min  
 Lab File: BE095679.D  
 Acq: 23 Feb 2018 12:43

Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS027-180219

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.6  | 5.5   | 8.3#  |
| 236     | 28.9  | 20.7  | 31.1  |

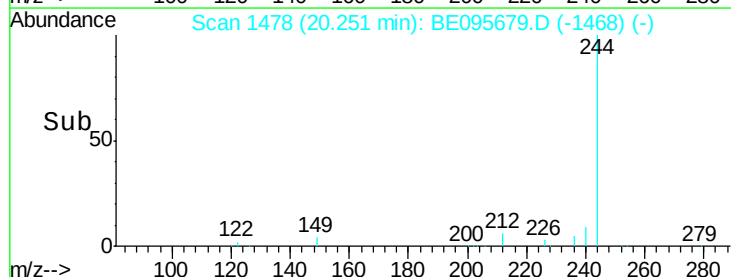
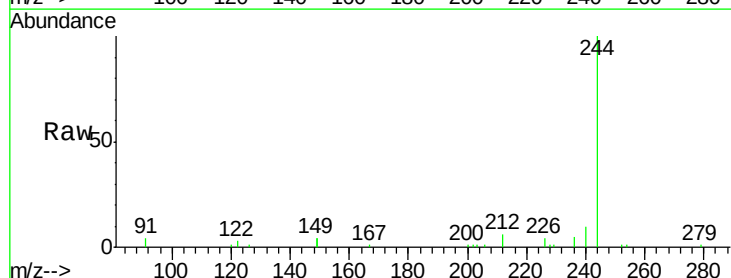
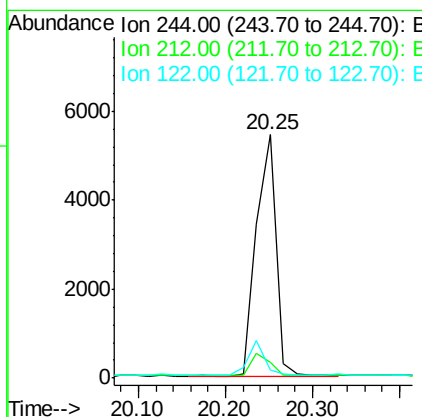
Manual Integrations  
 APPROVED

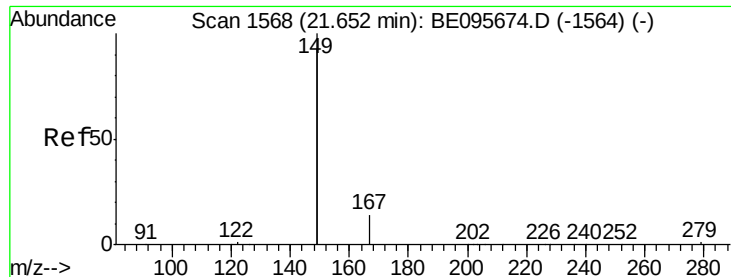
Sohil  
 2/26/2018 11:20:28 AM



#29  
 Terphenyl-d14  
 Concen: 0.64 ng  
 RT: 20.25 min Scan# 1478  
 Delta R.T. -0.00 min  
 Lab File: BE095679.D  
 Acq: 23 Feb 2018 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.5   | 25.4  | 38.0# |
| 122     | 3.3   | 8.1   | 12.1# |





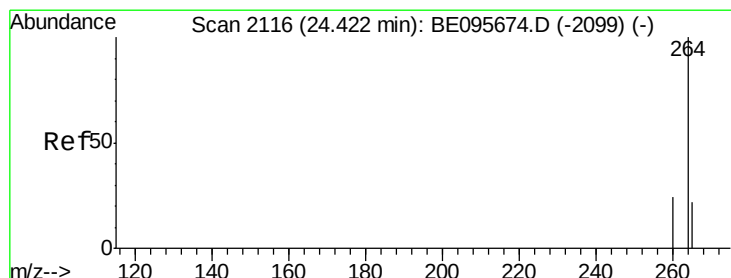
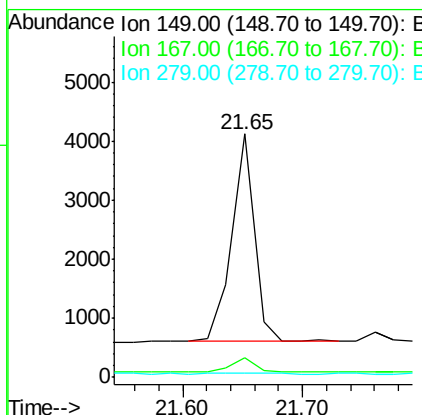
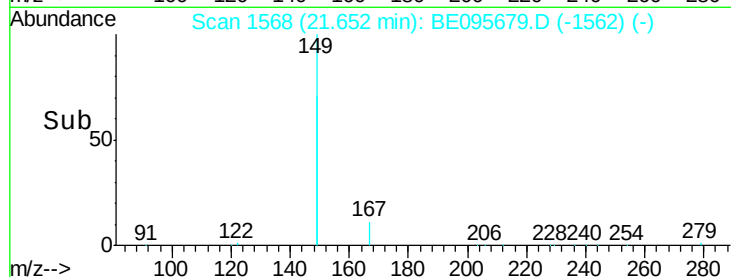
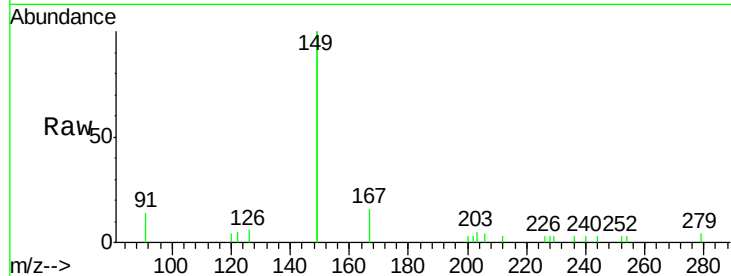
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.12 ng  
 RT: 21.65 min Scan# 1568  
 Delta R.T. -0.00 min  
 Lab File: BE095679.D  
 Acq: 23 Feb 2018 12:43

Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS027-180219

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 7.8   | 5.4   | 8.0   |
| 279     | 0.8   | 0.7   | 1.1   |

Manual Integrations  
 APPROVED

Sohil  
 2/26/2018 11:20:28 AM



#34  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 24.42 min Scan# 2116  
 Delta R.T. -0.00 min  
 Lab File: BE095679.D  
 Acq: 23 Feb 2018 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.3  | 20.5  | 30.7  |
| 265     | 26.9  | 22.8  | 34.2  |

