

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\  
 Data File : BE097560.D  
 Acq On : 20 Sep 2018 3:27  
 Operator : SJ/JU  
 Sample : J4958-17  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 2

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-MH-SW4001-SOUTH-20180915

Manual Integrations  
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 9/20/2018 3:34:47 PM

Quant Time: Sep 20 06:49:48 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 19 16:26:00 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|--------------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.37  | 152  | 1516     | 0.80  | ng    | -0.01        |
| 7) Naphthalene-d8              | 10.13 | 136  | 7017     | 0.80  | ng    | 0.00         |
| 13) Acenaphthene-d10           | 14.00 | 164  | 4398     | 0.80  | ng    | 0.00         |
| 19) Phenanthrene-d10           | 16.76 | 188  | 14139    | 0.80  | ng    | 0.01         |
| 27) Chrysene-d12               | 20.97 | 240  | 18291    | 0.80  | ng    | 0.00         |
| 34) Perylene-d12               | 23.20 | 264  | 18605    | 0.80  | ng    | 0.00         |
| System Monitoring Compounds    |       |      |          |       |       |              |
| 4) 2-Fluorophenol              | 5.07  | 112  | 36       | 0.02  | ng    | 0.02         |
| 5) Phenol-d6                   | 6.55  | 99   | 2        | 0.00  | ng    | -0.05        |
| 8) Nitrobenzene-d5             | 8.53  | 82   | 1031     | 0.38  | ng    | 0.01         |
| 11) 2-Methylnaphthalene-d10    | 11.72 | 152  | 1974     | 0.41  | ng    | 0.00         |
| 14) 2,4,6-Tribromophenol       | 15.54 | 330  | 85       | 0.28  | ng    | 0.01         |
| 15) 2-Fluorobiphenyl           | 12.63 | 172  | 3432     | 0.44  | ng    | 0.00         |
| 25) Fluoranthene-d10           | 18.80 | 212  | 36171    | 0.40  | ng    | 0.00         |
| 29) Terphenyl-d14              | 19.41 | 244  | 8572     | 0.51  | ng    | 0.00         |
| Target Compounds               |       |      |          |       |       |              |
| 2) 1,4-Dioxane                 | 3.08  | 88   | 419      | 0.269 | ng    | Qvalue<br>91 |
| 32) Bis(2-ethylhexyl)phthalate | 20.91 | 149  | 2289m    | 0.080 | ng    |              |

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

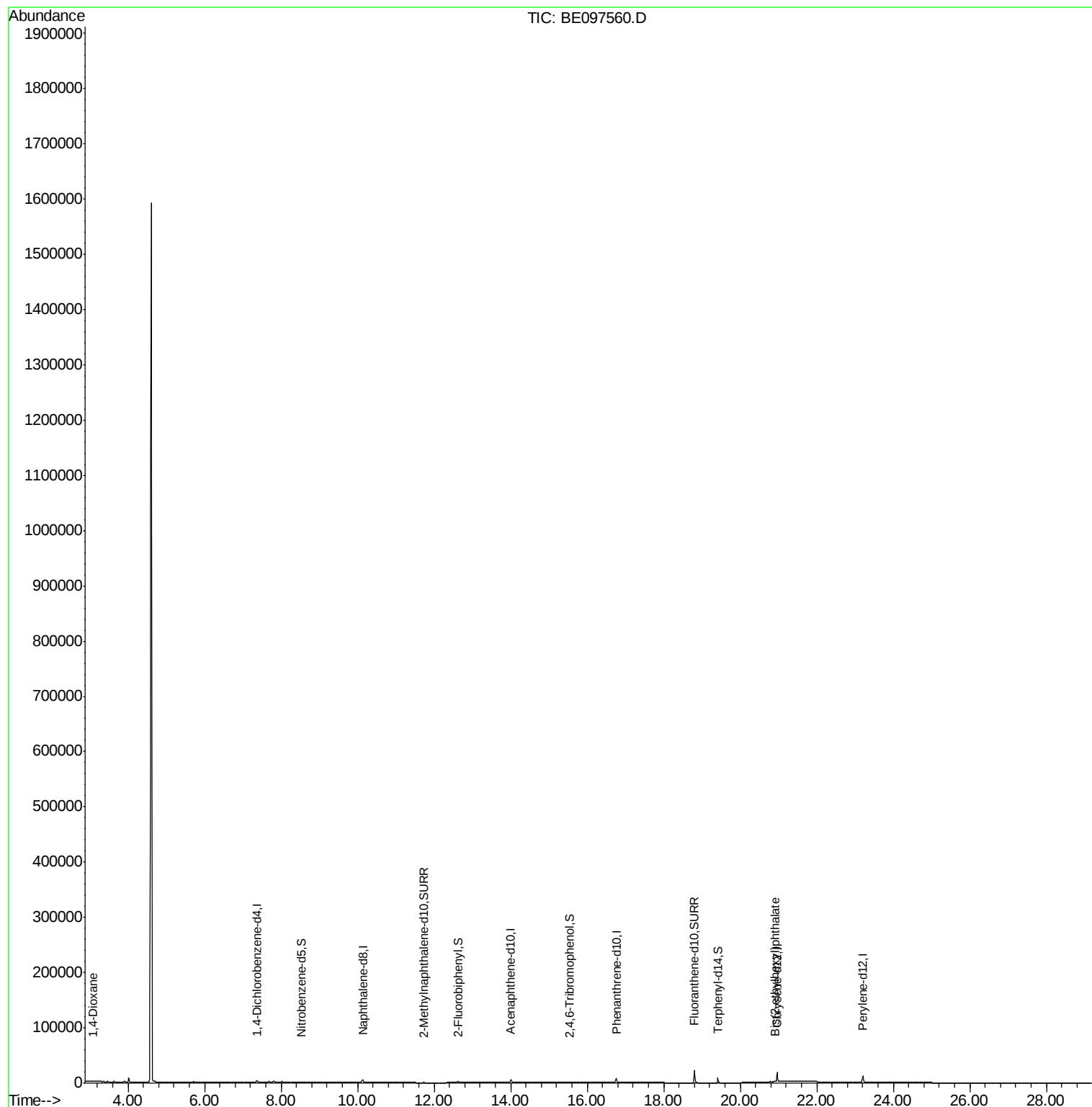
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\  
Data File : BE097560.D  
Acq On : 20 Sep 2018 3:27  
Operator : SJ/JU  
Sample : J4958-17  
Misc :  
ALS Vial : 18 Sample Multiplier: 2

Instrument :  
BNA\_E  
ClientSampleId :  
BP-MH-SW4001-SOUTH-20180915

Manual Integrations  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M  
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QLast Update : Wed Sep 19 16:26:00 2018  
Response via : Initial Calibration





#1

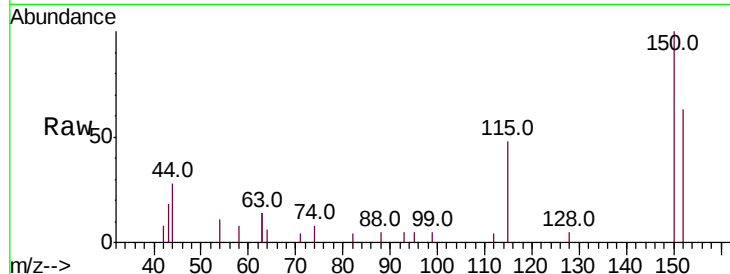
1,4-Dichlorobenzene-d4  
Concen: 0.800 ng  
RT: 7.37 min Scan# 391  
Delta R.T. -0.01 min  
Lab File: BE097560.D  
Acq: 20 Sep 2018 3:27

Instrument :  
BNA\_E  
ClientSampleId :  
BP-MH-SW4001-SOUTH-20180915

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.6 | 117.2 | 175.8 |
| 115     | 76.8  | 57.0  | 85.6  |

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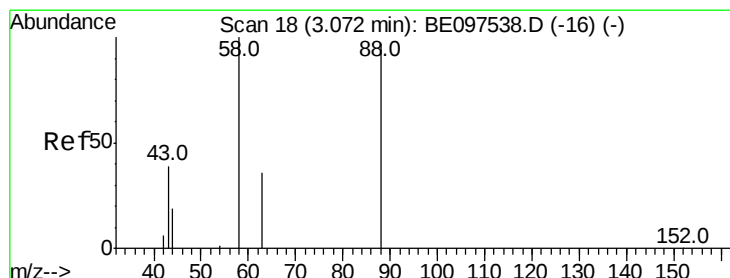
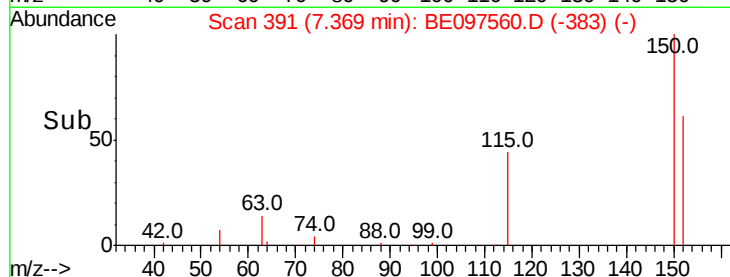
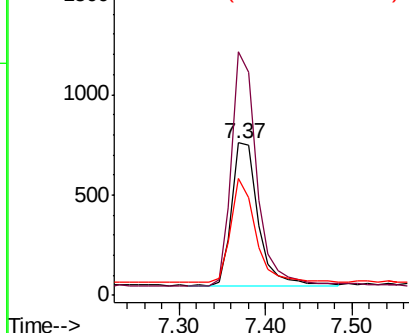


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

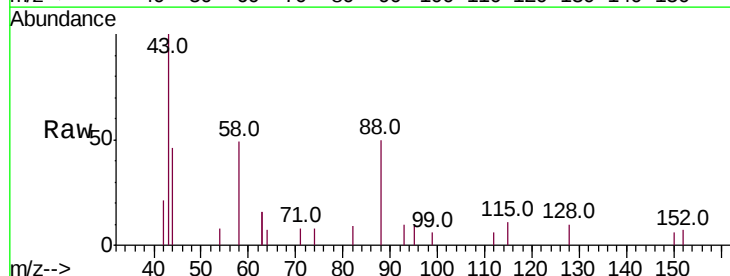
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 0.269 ng  
RT: 3.08 min Scan# 19  
Delta R.T. 0.01 min  
Lab File: BE097560.D  
Acq: 20 Sep 2018 3:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 88.3  | 63.2  | 94.8  |
| 43      | 55.8  | 41.2  | 61.8  |

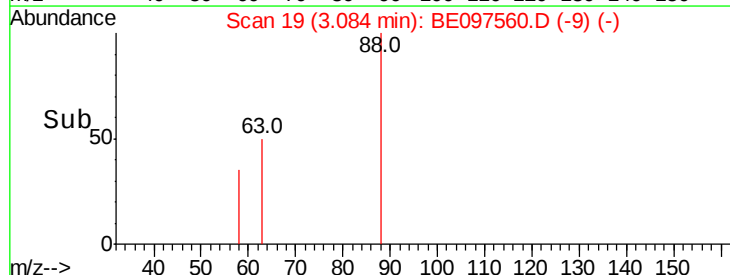
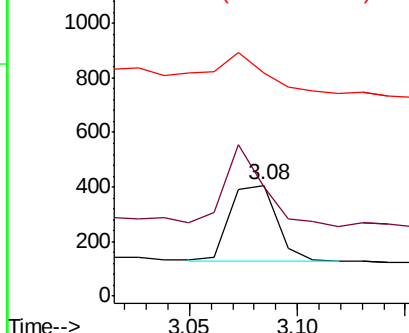


Abundance

Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.016 ng

RT: 5.07 min Scan# 191

Delta R.T. 0.02 min

Lab File: BE097560.D

Acq: 20 Sep 2018 3:27

Instrument :

BNA\_E

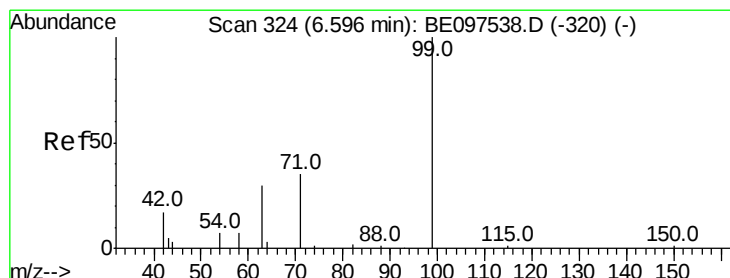
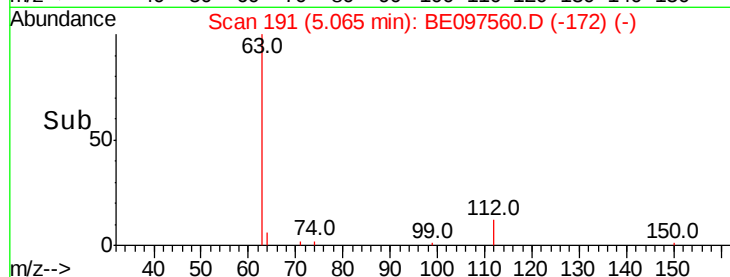
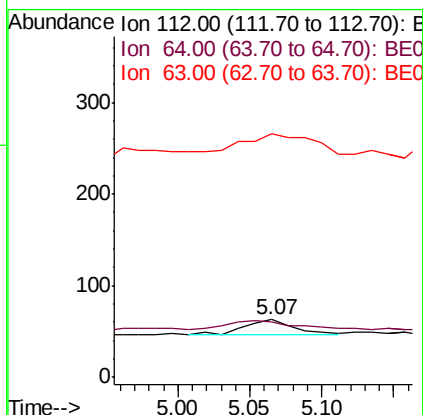
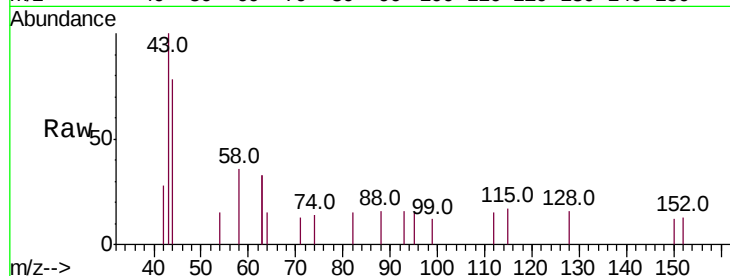
ClientSampleId :

BP-MH-SW4001-SOUTH-20180915

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 112     | 100   |       |        |
| 64      | 102.8 | 60.1  | 90.1#  |
| 63      | 213.9 | 116.8 | 175.2# |

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#5

Phenol-d6

Concen: 0.001 ng

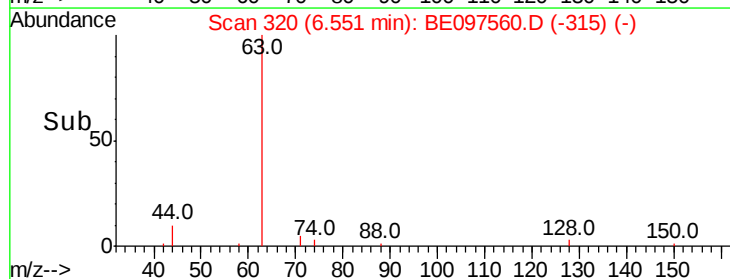
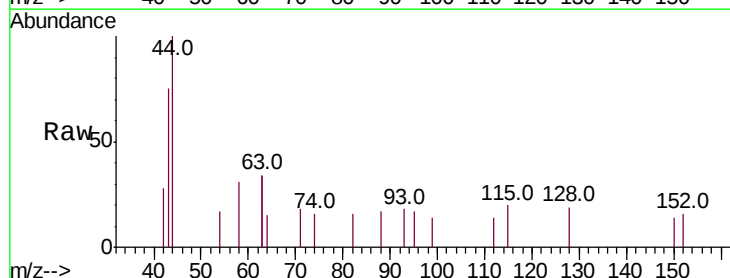
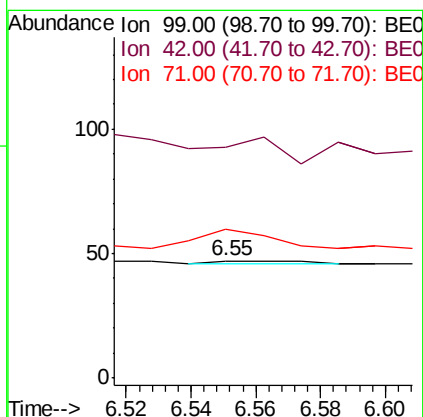
RT: 6.55 min Scan# 320

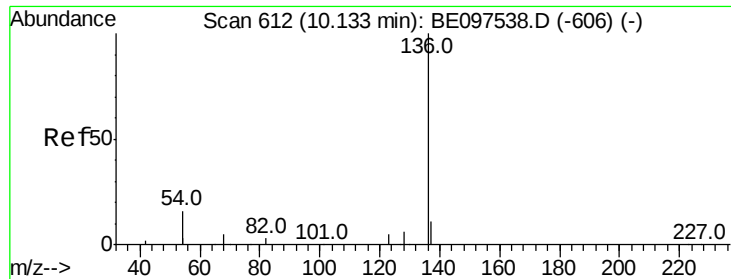
Delta R.T. -0.05 min

Lab File: BE097560.D

Acq: 20 Sep 2018 3:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 0.0   | 20.2  | 30.2# |
| 71      | 850.0 | 28.4  | 42.6# |





#7

Naphthalene-d8

Concen: 0.800 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097560.D

Acq: 20 Sep 2018 3:27

Instrument :

BNA\_E

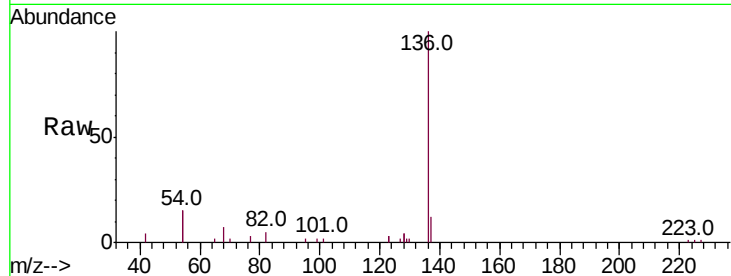
ClientSampleId :

BP-MH-SW4001-SOUTH-20180915

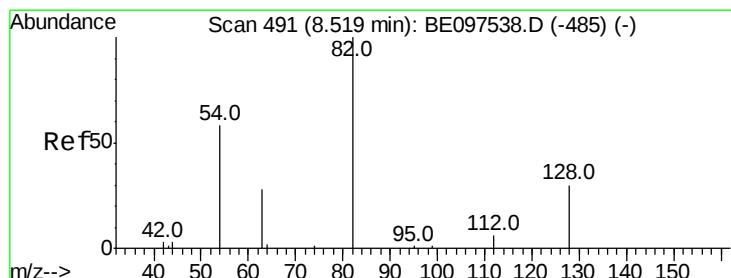
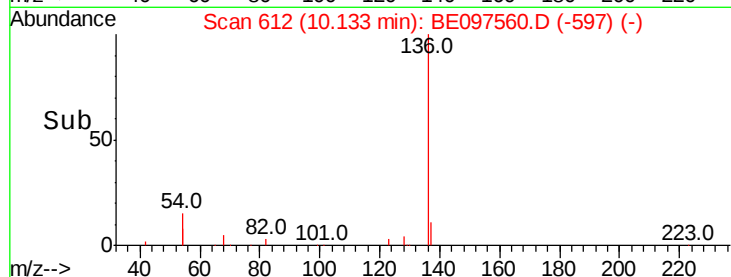
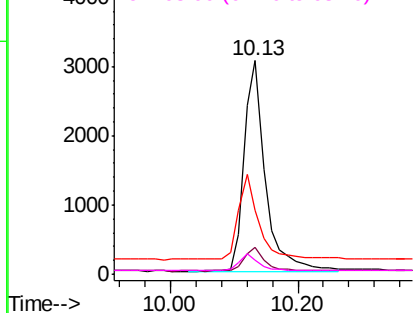
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 12.5  | 9.5   | 14.3  |
| 54      | 29.8  | 29.1  | 43.7  |
| 68      | 6.7   | 6.2   | 9.2   |

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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): BE0  
Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.380 ng

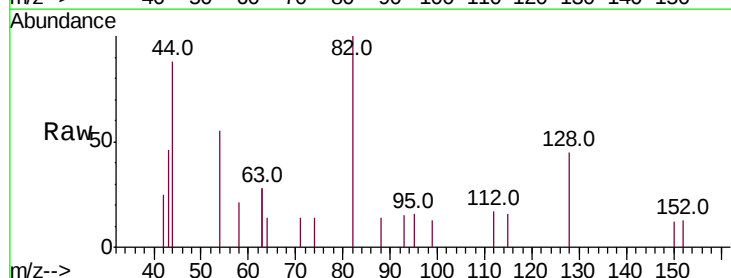
RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

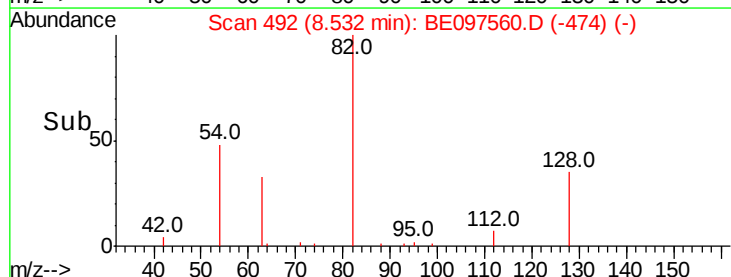
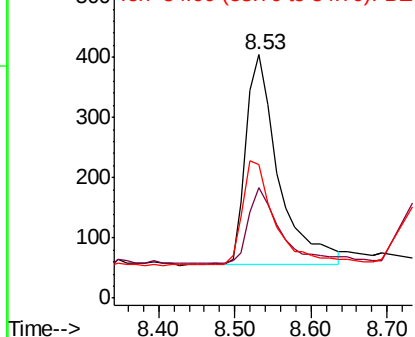
Lab File: BE097560.D

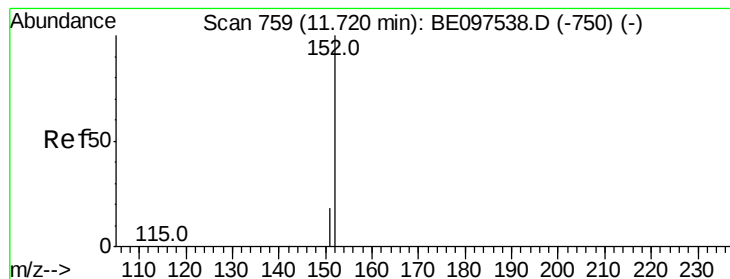
Acq: 20 Sep 2018 3:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.3  | 24.0  | 36.0# |
| 54      | 54.7  | 40.0  | 60.0  |



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





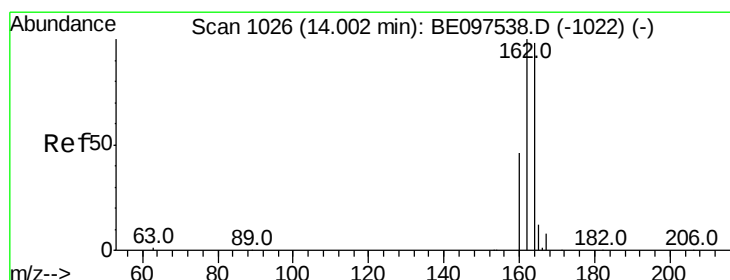
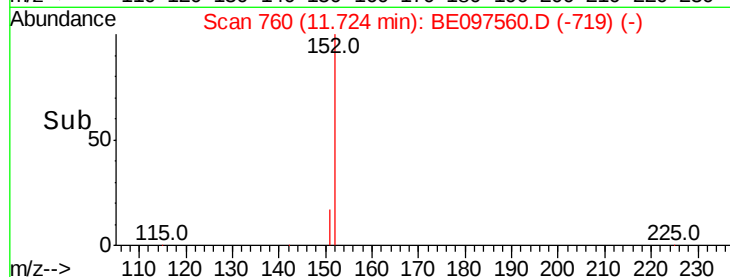
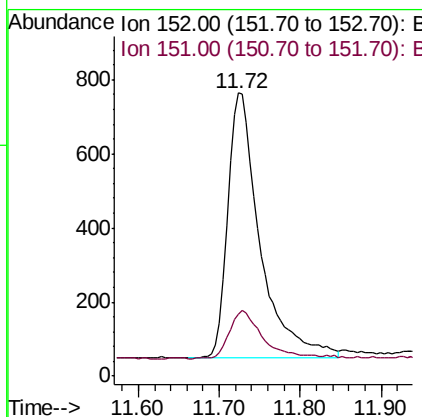
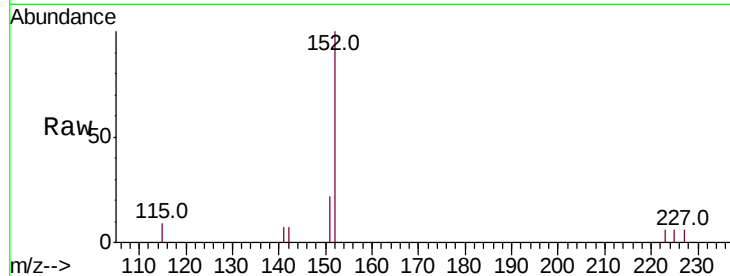
#11  
2-Methylnaphthalene-d10  
Concen: 0.408 ng  
RT: 11.72 min Scan# 760  
Delta R.T. 0.00 min  
Lab File: BE097560.D  
Acq: 20 Sep 2018 3:27

Instrument :  
BNA\_E  
ClientSampleId :  
BP-MH-SW4001-SOUTH-20180915

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.7  | 15.4  | 23.0  |

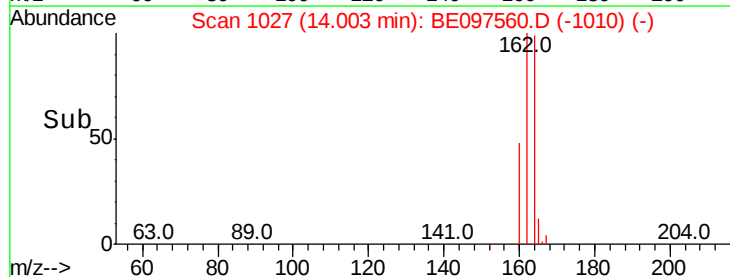
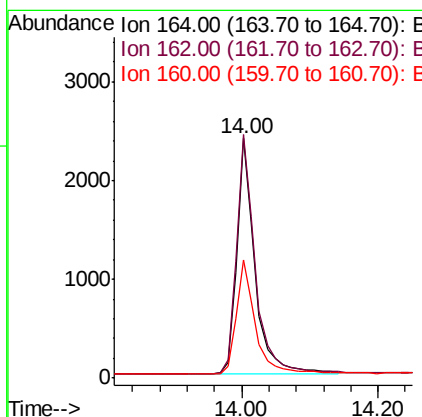
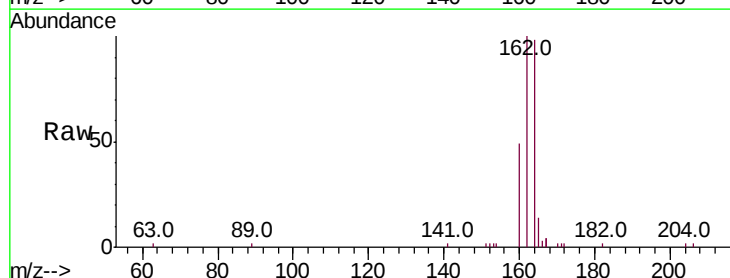
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#13  
Acenaphthene-d10  
Concen: 0.800 ng  
RT: 14.00 min Scan# 1027  
Delta R.T. 0.00 min  
Lab File: BE097560.D  
Acq: 20 Sep 2018 3:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.6 | 83.1  | 124.7 |
| 160     | 49.3  | 37.1  | 55.7  |





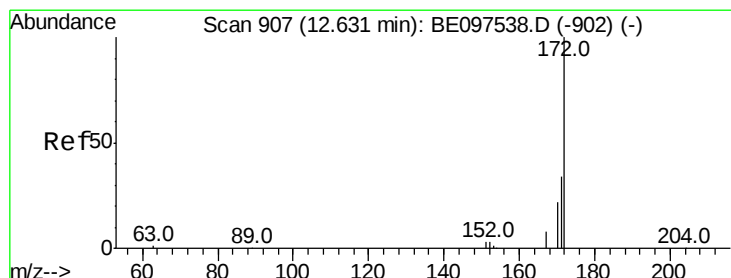
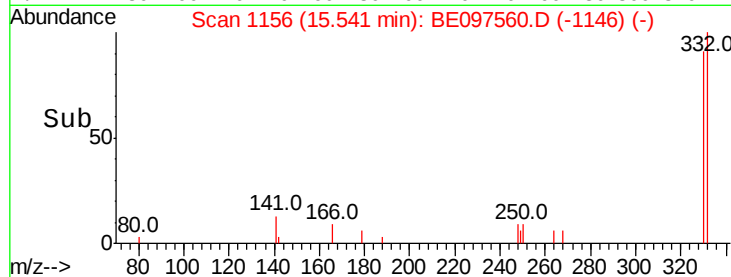
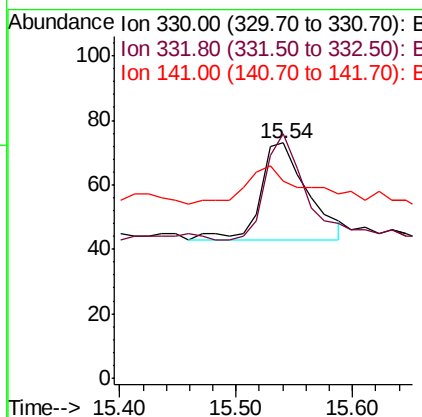
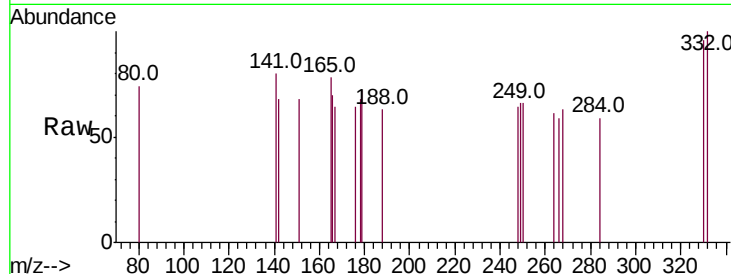
#14  
 2,4,6-Tribromophenol  
 Concen: 0.282 ng  
 RT: 15.54 min Scan# 1156  
 Delta R.T. 0.01 min  
 Lab File: BE097560.D  
 Acq: 20 Sep 2018 3:27

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-MH-SW4001-SOUTH-20180915

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 89.4  | 152.7 | 229.1# |
| 141     | 44.7  | 33.7  | 50.5   |

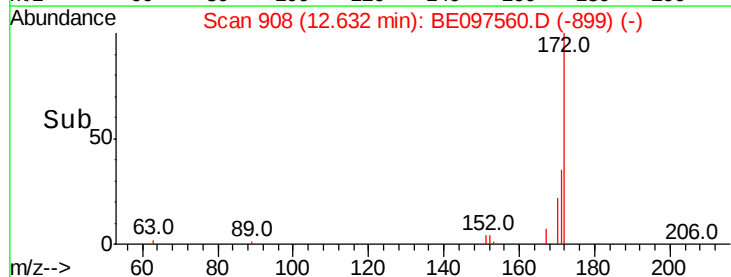
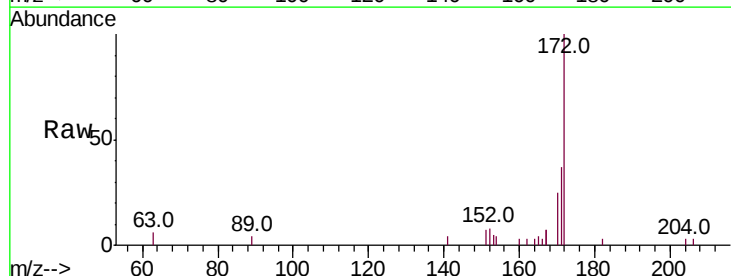
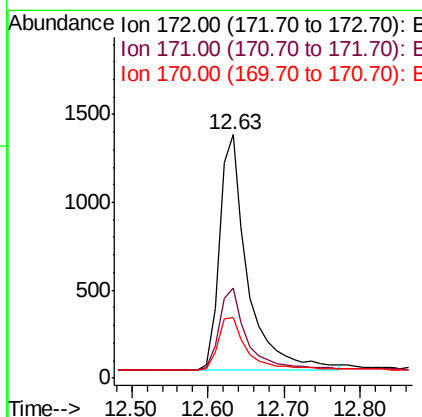
Manual Integrations  
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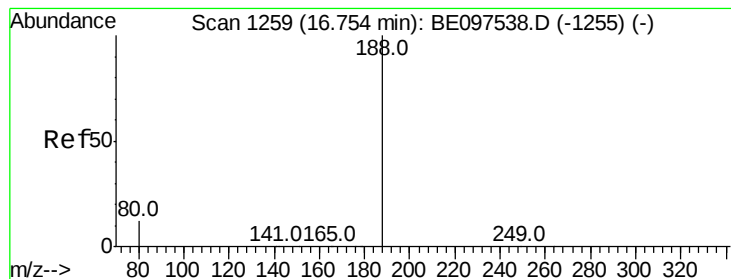
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#15  
 2-Fluorobiphenyl  
 Concen: 0.442 ng  
 RT: 12.63 min Scan# 908  
 Delta R.T. 0.00 min  
 Lab File: BE097560.D  
 Acq: 20 Sep 2018 3:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 29.9  | 44.9  |
| 170     | 25.0  | 21.8  | 32.8  |





#19

Phenanthrene-d10

Concen: 0.800 ng

RT: 16.76 min Scan# 1261

Delta R.T. 0.01 min

Lab File: BE097560.D

Acq: 20 Sep 2018 3:27

Instrument :

BNA\_E

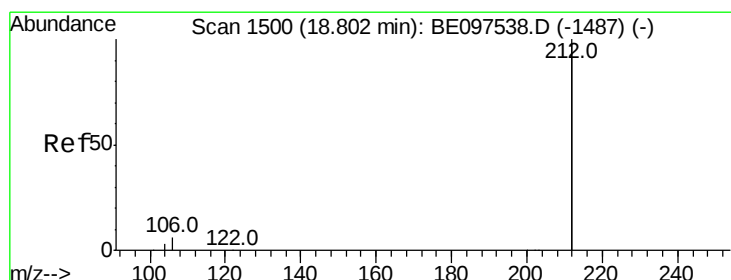
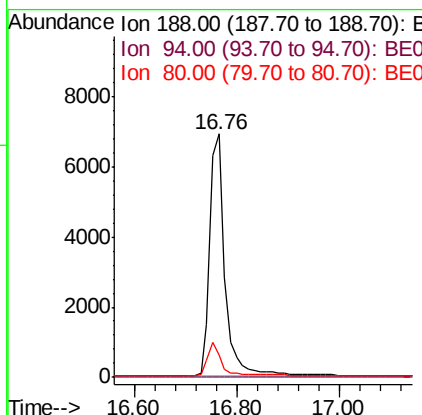
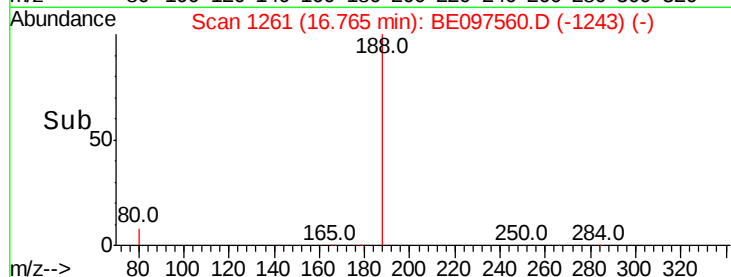
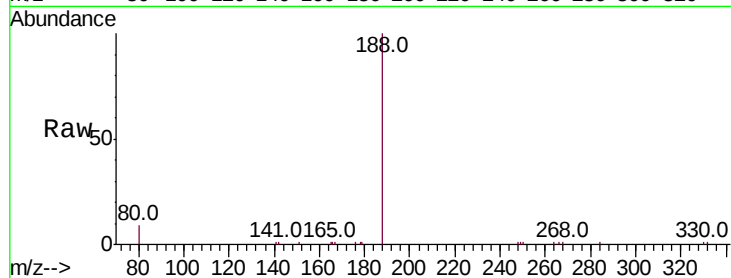
ClientSampleId :

BP-MH-SW4001-SOUTH-20180915

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 188   | Resp: | 14139 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 3.9   | 5.9#  |
| 80        | 9.0   | 3.6   | 5.4#  |

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#25

Fluoranthene-d10

Concen: 0.400 ng

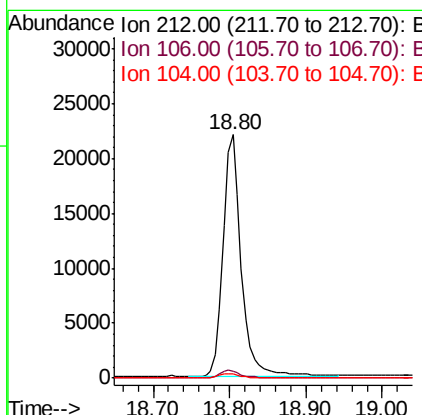
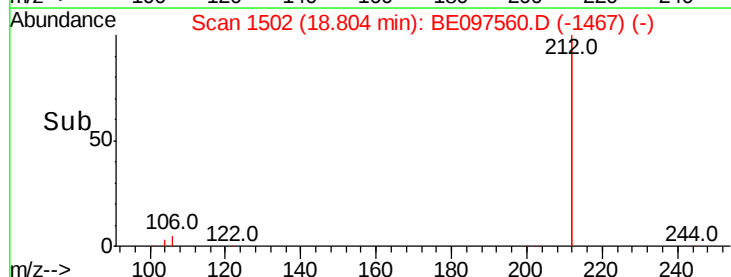
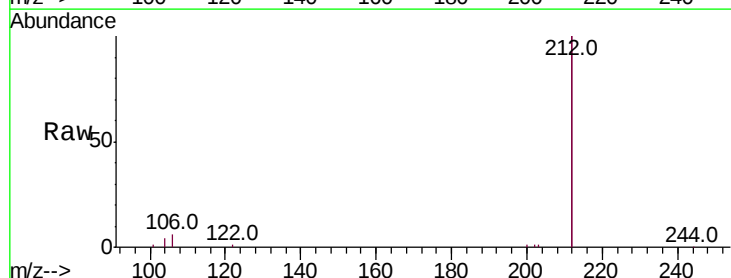
RT: 18.80 min Scan# 1502

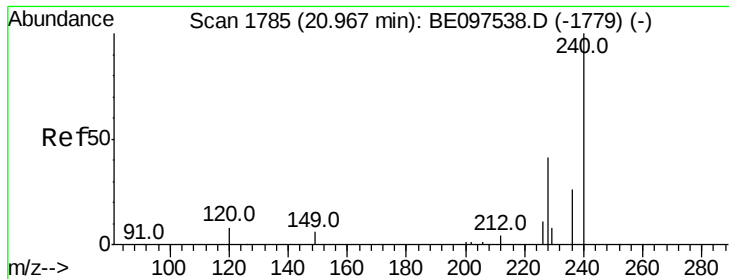
Delta R.T. 0.00 min

Lab File: BE097560.D

Acq: 20 Sep 2018 3:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 36171 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 3.1   | 2.8   | 4.2   |
| 104       | 1.8   | 1.6   | 2.4   |





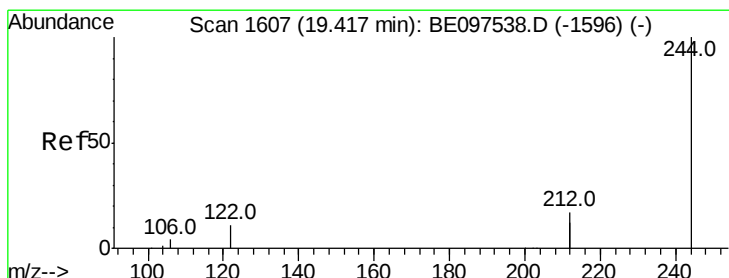
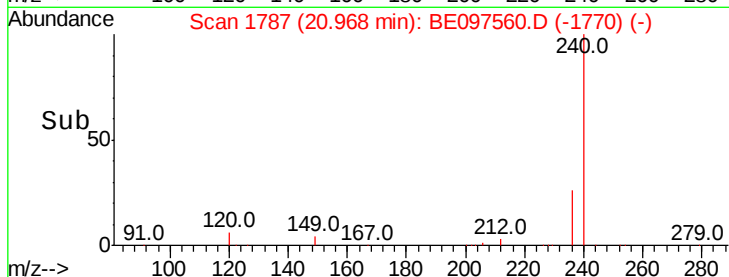
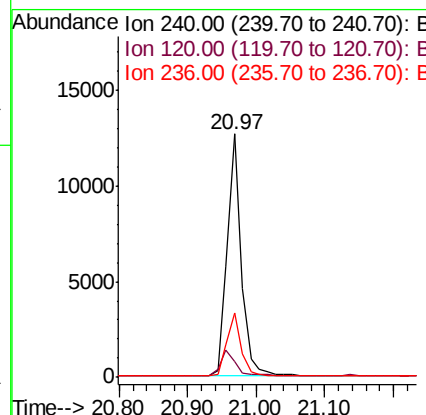
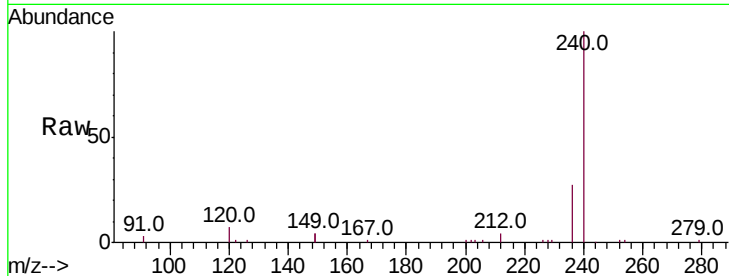
#27  
Chrysene-d12  
Concen: 0.800 ng  
RT: 20.97 min Scan# 1787  
Delta R.T. 0.00 min  
Lab File: BE097560.D  
Acq: 20 Sep 2018 3:27

Instrument :  
BNA\_E  
ClientSampleId :  
BP-MH-SW4001-SOUTH-20180915

Tot Ion:240 Resp: 18291  
Ion Ratio Lower Upper  
240 100  
120 6.5 5.5 8.3  
236 26.5 20.7 31.1

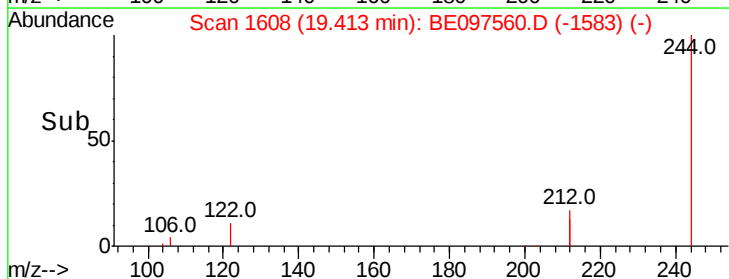
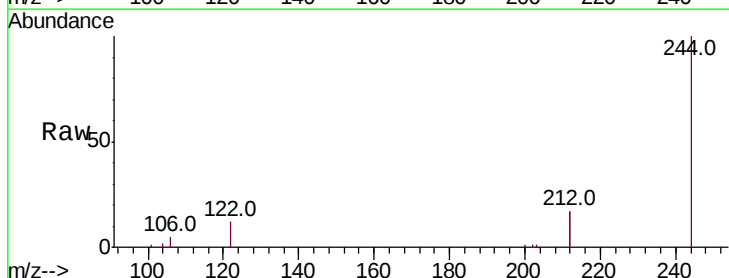
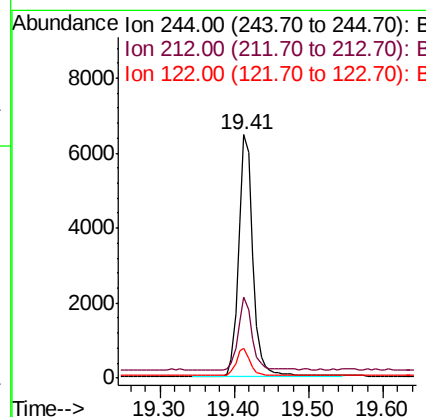
Manual Integrations  
APPROVED

Sohil  
9/20/2018 3:34:47 PM



#29  
Terphenyl-d14  
Concen: 0.512 ng  
RT: 19.41 min Scan# 1608  
Delta R.T. -0.00 min  
Lab File: BE097560.D  
Acq: 20 Sep 2018 3:27

Tgt Ion:244 Resp: 8572  
Ion Ratio Lower Upper  
244 100  
212 33.5 25.4 38.0  
122 12.3 8.1 12.1#





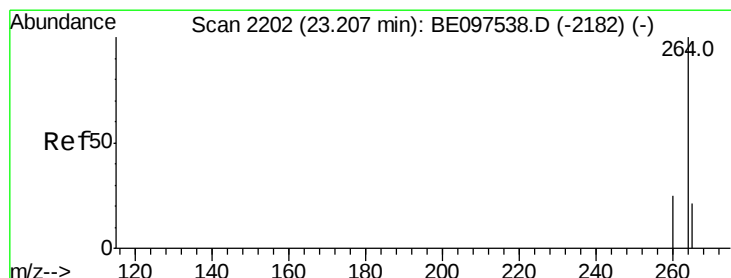
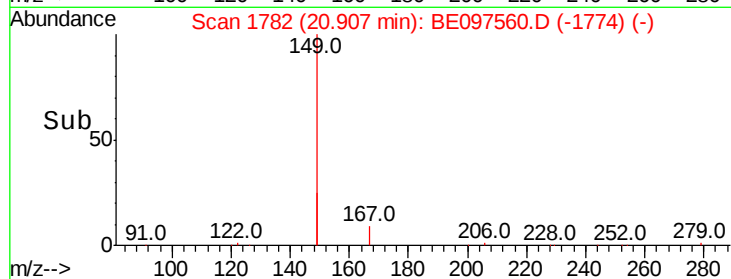
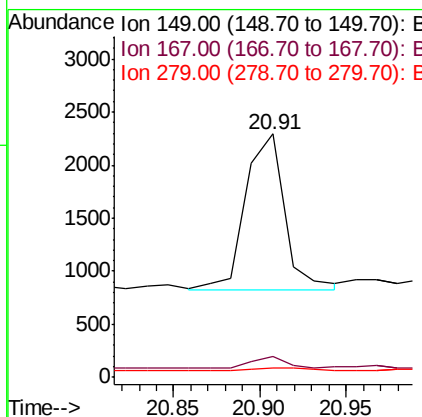
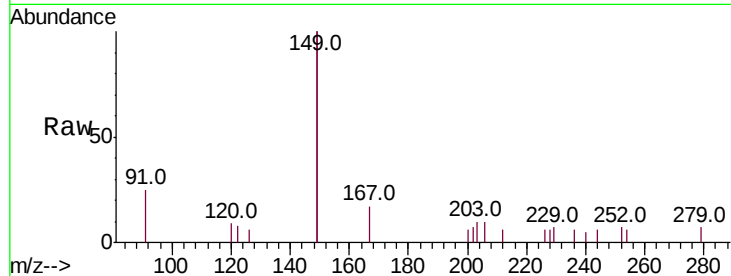
#32  
Bis(2-ethylhexyl)phthalate  
Concen: 0.080 ng/ml  
RT: 20.91 min Scan# 1782  
Delta R.T. 0.00 min  
Lab File: BE097560.D  
Acq: 20 Sep 2018 3:27

Instrument :  
BNA\_E  
ClientSampleId :  
BP-MH-SW4001-SOUTH-20180915

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 6.5   | 5.4   | 8.0   |
| 279     | 2.2   | 0.7   | 1.1   |

Manual Integrations  
APPROVED

Sohil  
9/20/2018 3:34:47 PM



#34  
Perylene-d12  
Concen: 0.800 ng  
RT: 23.20 min Scan# 2203  
Delta R.T. -0.00 min  
Lab File: BE097560.D  
Acq: 20 Sep 2018 3:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.3  | 20.5  | 30.7  |
| 265     | 26.5  | 22.8  | 34.2  |

