

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE110917\  
 Data File : BE094788.D  
 Acq On : 8 Nov 2017 18:18  
 Operator : SJ/JU  
 Sample : I6328-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MW-3

Manual Integrations  
 APPROVED

Sohil  
 11/9/2017 3:45:21 PM

Quant Time: Nov 09 00:41:56 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 23 22:40:47 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.93  | 152  | 862      | 0.40  | ng    | 0.03      |
| 7) Naphthalene-d8              | 10.74 | 136  | 5317     | 0.40  | ng    | 0.03      |
| 13) Acenaphthene-d10           | 14.53 | 164  | 3182     | 0.40  | ng    | 0.02      |
| 19) Phenanthrene-d10           | 17.27 | 188  | 7077     | 0.40  | ng    | 0.03      |
| 27) Chrysene-d12               | 21.44 | 240  | 7295     | 0.40  | ng    | 0.01      |
| 34) Perylene-d12               | 23.98 | 264  | 6380     | 0.40  | ng    | 0.03      |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 4) 2-Fluorophenol              | 5.57  | 112  | 1088     | 0.37  | ng    | 0.04      |
| 5) Phenol-d6                   | 7.23  | 99   | 2119     | 0.48  | ng    | 0.09      |
| 8) Nitrobenzene-d5             | 9.18  | 82   | 1031     | 0.24  | ng    | 0.10      |
| 11) 2-Methylnaphthalene-d10    | 12.32 | 152  | 2742     | 0.32  | ng    | 0.03      |
| 14) 2,4,6-Tribromophenol       | 16.06 | 330  | 329      | 0.37  | ng    | 0.03      |
| 15) 2-Fluorobiphenyl           | 13.16 | 172  | 3898     | 0.35  | ng    | 0.02      |
| 25) Fluoranthene-d10           | 19.29 | 212  | 31017    | 0.35  | ng    | 0.00      |
| 29) Terphenyl-d14              | 19.86 | 244  | 6536     | 0.48  | ng    | 0.00      |
| Target Compounds               |       |      |          |       |       |           |
| 2) 1,4-Dioxane                 | 3.41  | 88   | 3370     | 2.309 | ng    | Qvalue 91 |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 6091     | 0.105 | ng    | # 99      |

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

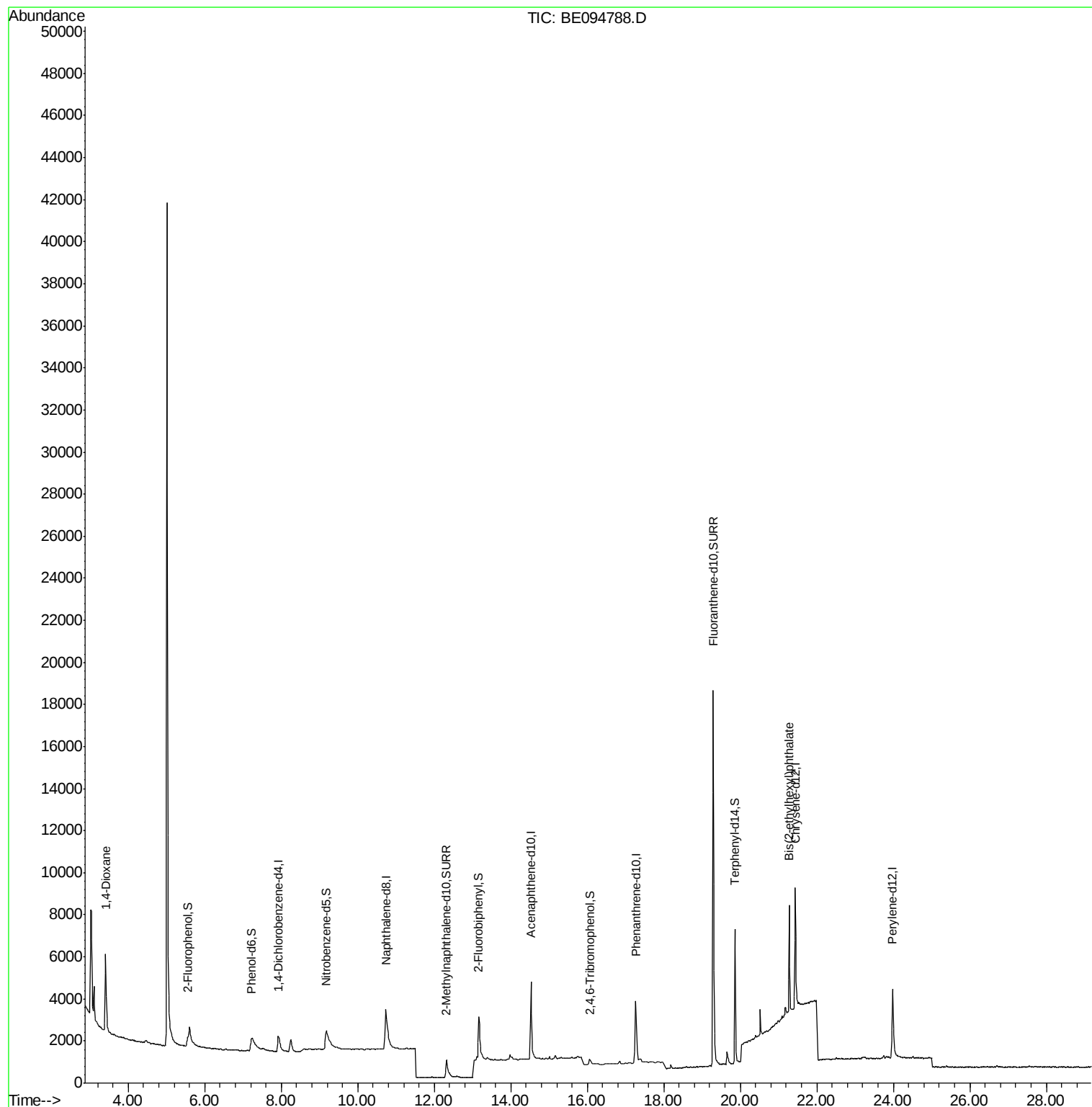
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE110917\  
Data File : BE094788.D  
Acq On : 8 Nov 2017 18:18  
Operator : SJ/JU  
Sample : I6328-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

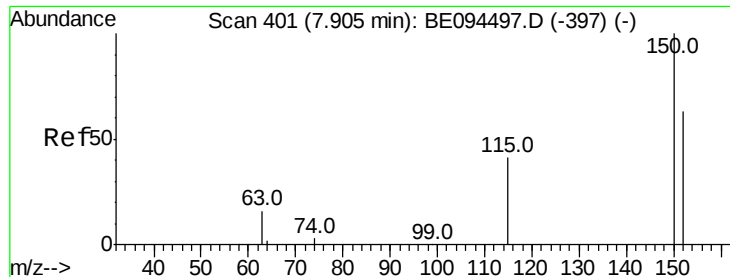
Instrument :  
BNA\_E  
ClientSampleId :  
MW-3

Manual Integrations  
APPROVED

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11/9/2017 3:45:21 PM

Quant Time: Nov 09 00:41:56 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 23 22:40:47 2017  
Response via : Initial Calibration





#1

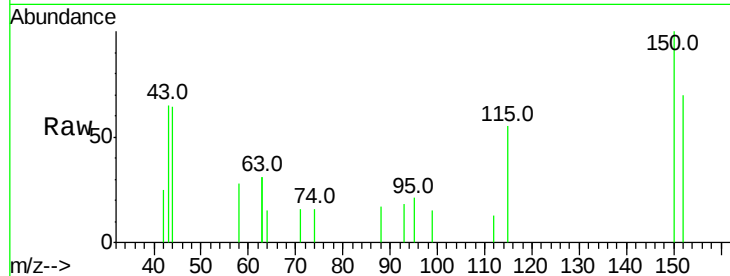
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.93 min Scan# 403  
Delta R.T. 0.03 min  
Lab File: BE094788.D  
Acq: 8 Nov 2017 18:18

Instrument :  
BNA\_E  
ClientSampled :  
MW-3

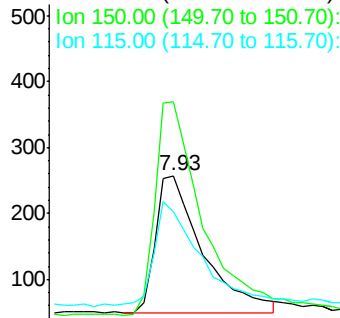
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 143.6 | 117.2 | 175.8 |
| 115     | 78.6  | 57.0  | 85.6  |

Manual Integrations  
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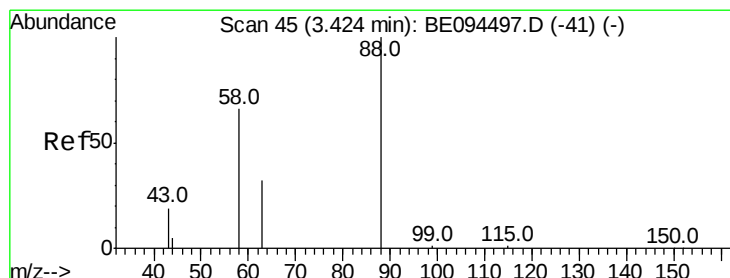
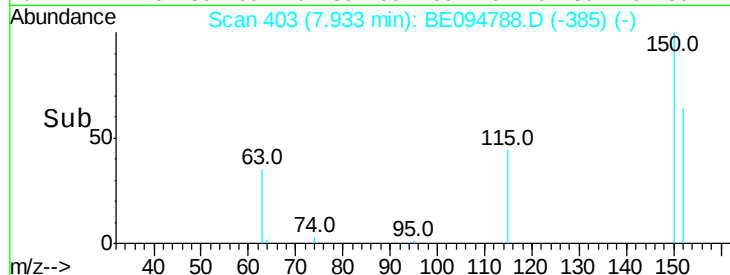
Sohil  
11/9/2017 3:45:21 PM



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



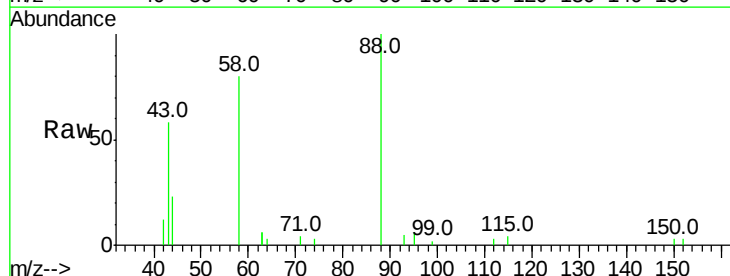
Time-->



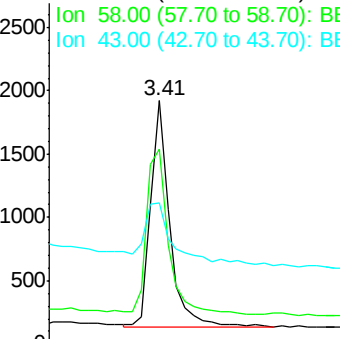
#2

1,4-Dioxane  
Concen: 2.309 ng  
RT: 3.41 min Scan# 44  
Delta R.T. -0.01 min  
Lab File: BE094788.D  
Acq: 8 Nov 2017 18:18

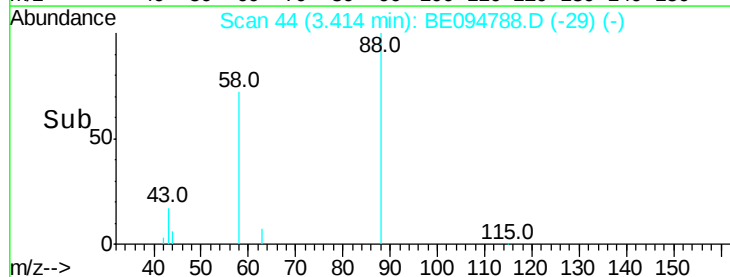
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 85.2  | 63.2  | 94.8  |
| 43      | 43.0  | 41.2  | 61.8  |

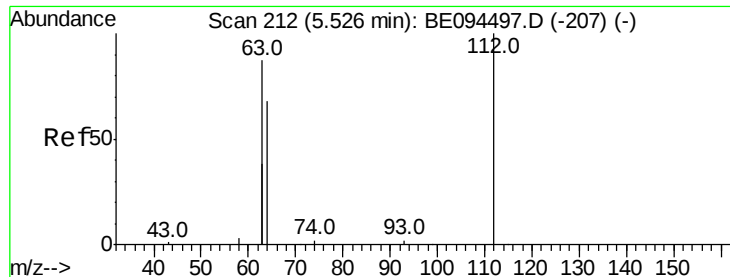


Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0



Time-->





#4

2-Fluorophenol

Concen: 0.368 ng

RT: 5.57 min Scan# 215

Delta R.T. 0.04 min

Lab File: BE094788.D

Acq: 8 Nov 2017 18:18

Instrument :

BNA\_E

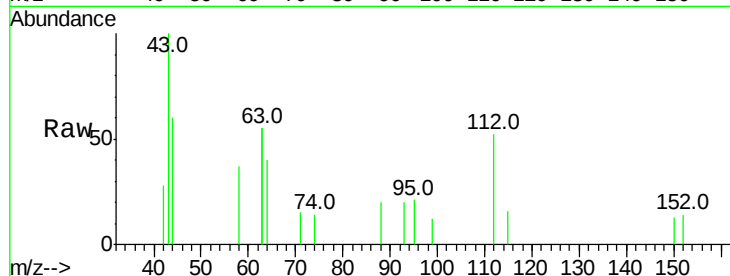
ClientSampled :

MW-3

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 112   | Resp: | 1088  |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 68.9  | 60.1  | 90.1  |
| 63        | 139.4 | 116.8 | 175.2 |

Manual Integrations  
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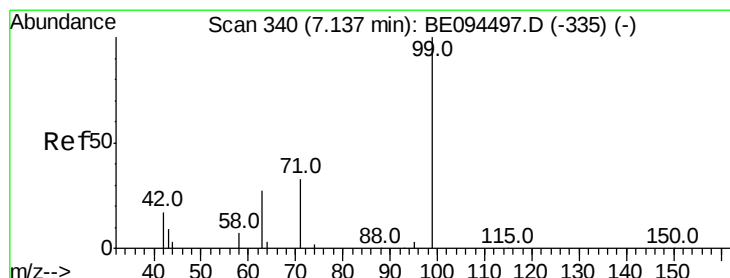
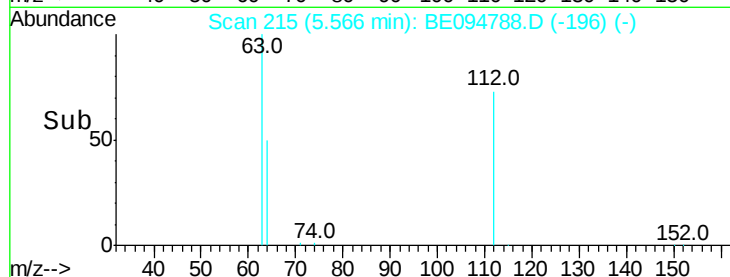
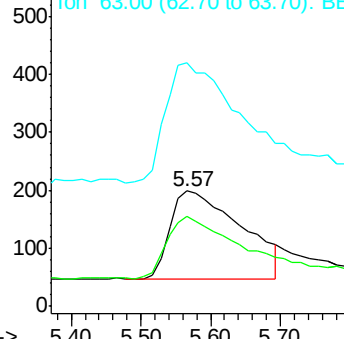
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Abundance Ion 112.00 (111.70 to 112.70): BE094497.D (-207) (-)

Ion 64.00 (63.70 to 64.70): BE094497.D (-207) (-)

Ion 63.00 (62.70 to 63.70): BE094497.D (-207) (-)



#5

Phenol-d6

Concen: 0.475 ng

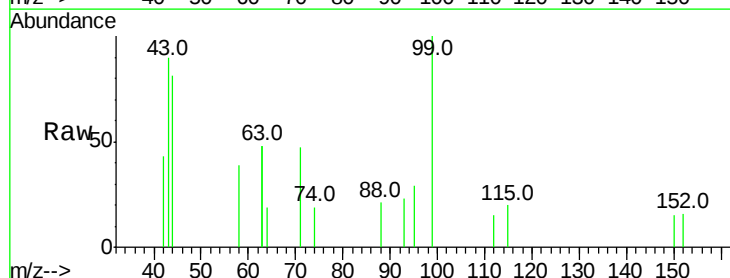
RT: 7.23 min Scan# 347

Delta R.T. 0.09 min

Lab File: BE094788.D

Acq: 8 Nov 2017 18:18

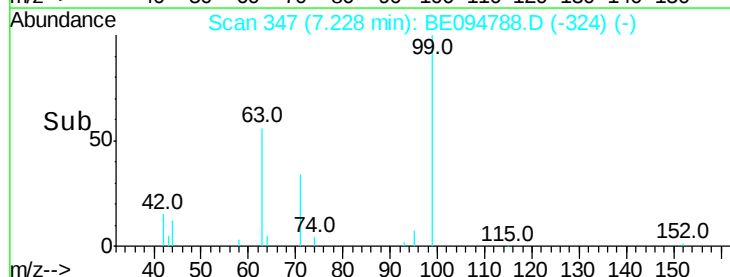
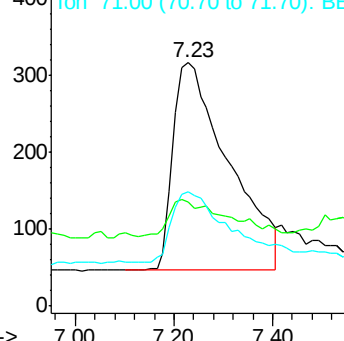
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 2119  |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 19.0  | 20.2  | 30.2# |
| 71        | 35.8  | 28.4  | 42.6  |

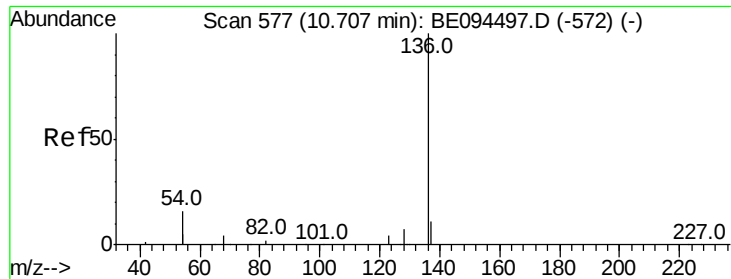


Abundance Ion 99.00 (98.70 to 99.70): BE094497.D (-335) (-)

Ion 42.00 (41.70 to 42.70): BE094497.D (-335) (-)

Ion 71.00 (70.70 to 71.70): BE094497.D (-335) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.74 min Scan# 579

Delta R.T. 0.03 min

Lab File: BE094788.D

Acq: 8 Nov 2017 18:18

Instrument :

BNA\_E

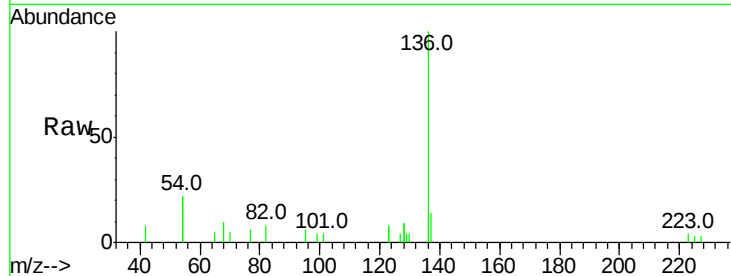
ClientSampleId :

MW-3

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 13.8  | 9.5  | 14.3  |       |
| 54      | 44.8  | 29.1 | 43.7  |       |
| 68      | 10.1  | 6.2  | 9.2   |       |

Manual Integrations  
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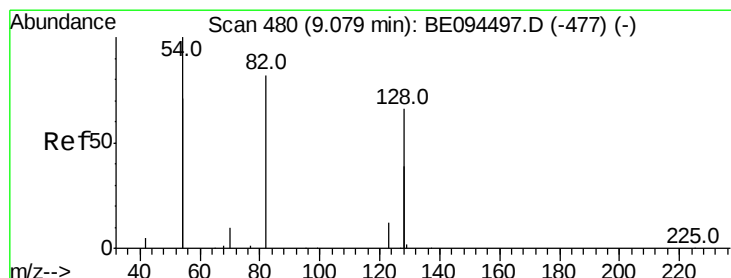
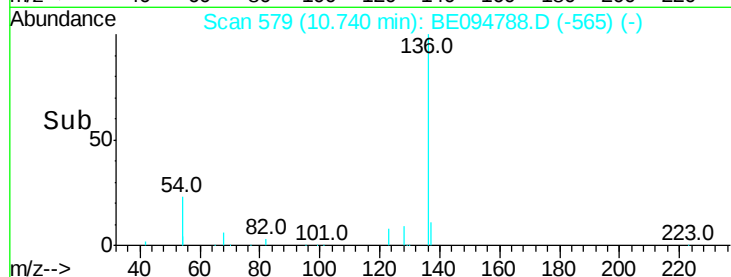
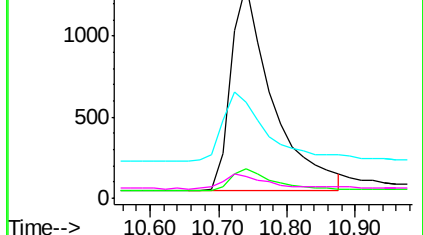


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.243 ng

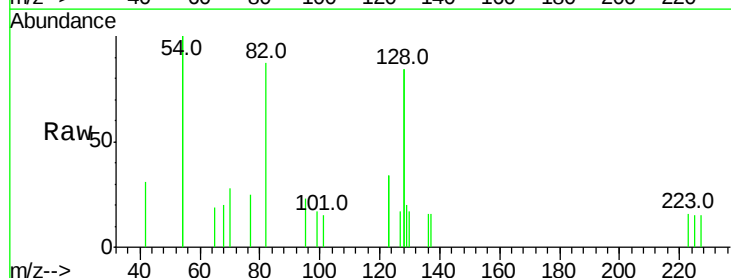
RT: 9.18 min Scan# 486

Delta R.T. 0.10 min

Lab File: BE094788.D

Acq: 8 Nov 2017 18:18

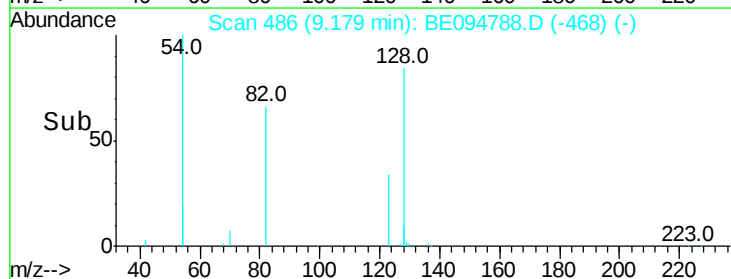
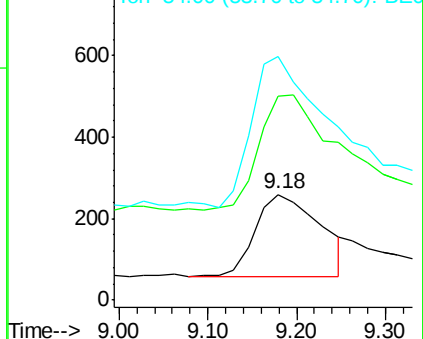
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 82      | 100   |       |       |       |
| 128     | 193.1 | 150.0 | 225.0 |       |
| 54      | 230.0 | 154.2 | 231.4 |       |

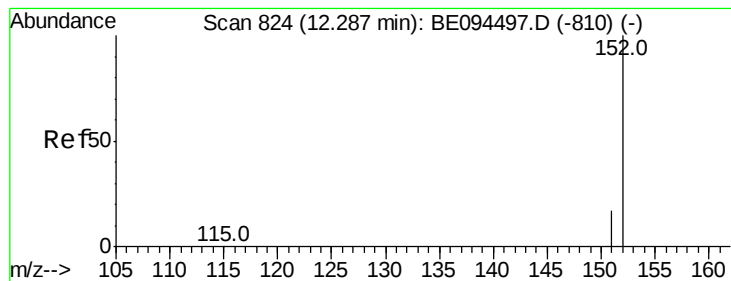


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.321 ng

RT: 12.32 min Scan# 832

Delta R.T. 0.03 min

Lab File: BE094788.D

Acq: 8 Nov 2017 18:18

Instrument :

BNA\_E

ClientSampleId :

MW-3

Tot Ion:152 Resp: 2742

Ion Ratio Lower Upper

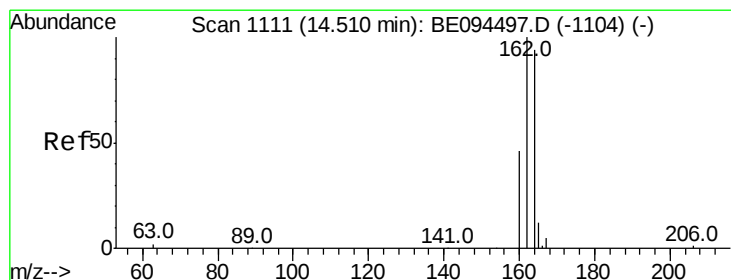
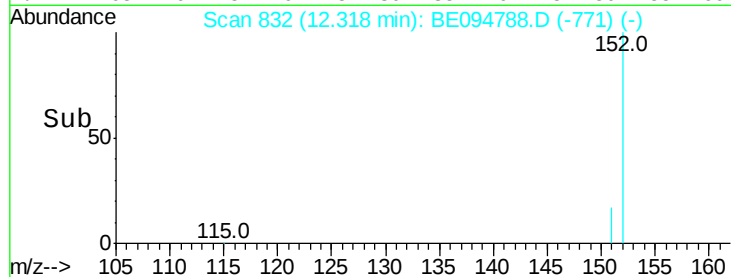
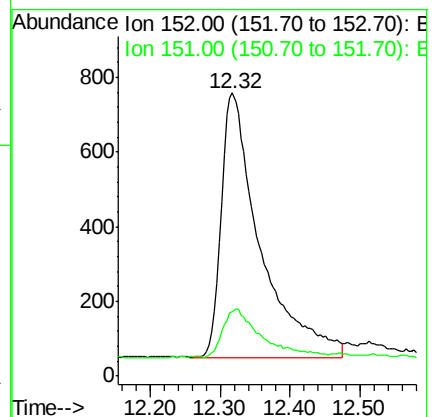
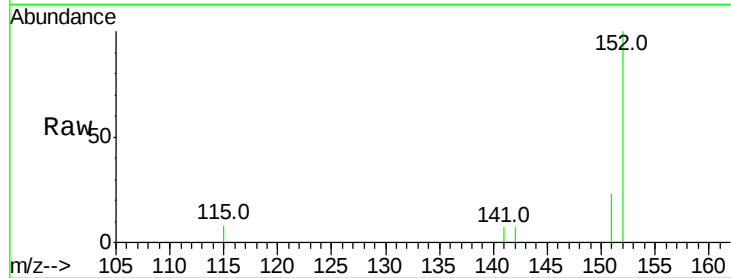
152 100

151 19.1 15.4 23.0

Manual Integrations  
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#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 1112

Delta R.T. 0.02 min

Lab File: BE094788.D

Acq: 8 Nov 2017 18:18

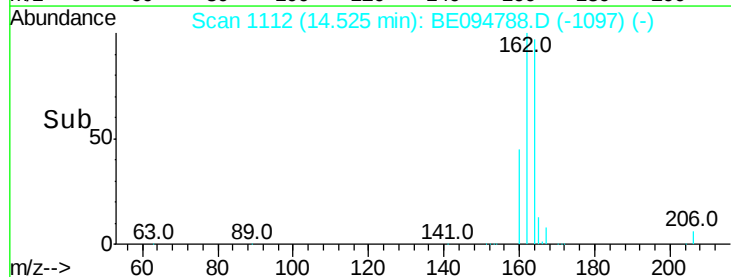
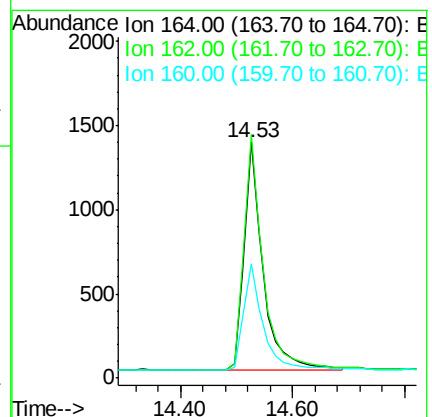
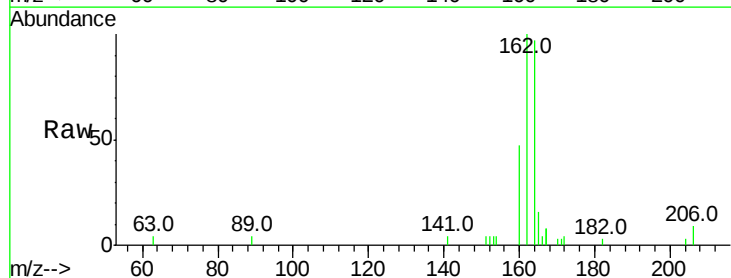
Tgt Ion:164 Resp: 3182

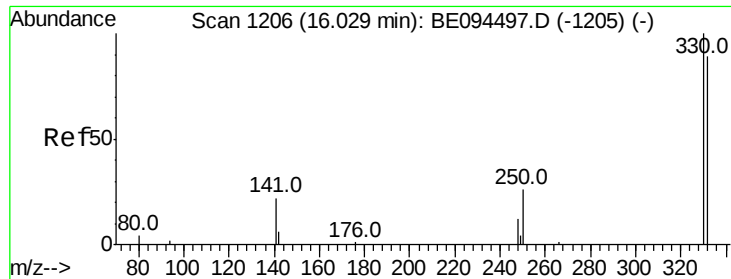
Ion Ratio Lower Upper

164 100

162 103.3 83.1 124.7

160 48.6 37.1 55.7





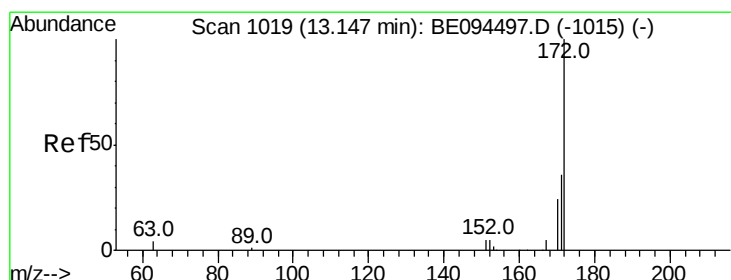
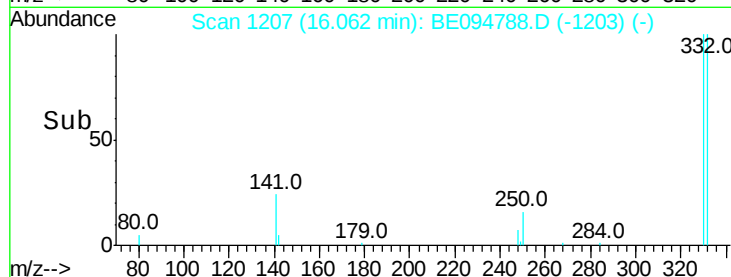
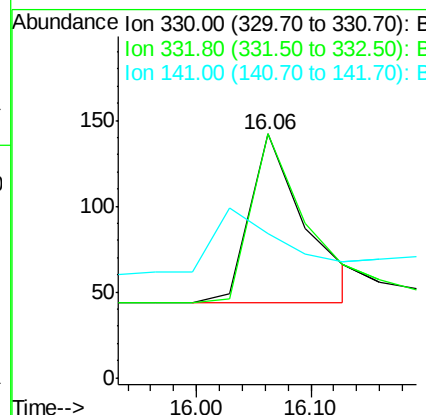
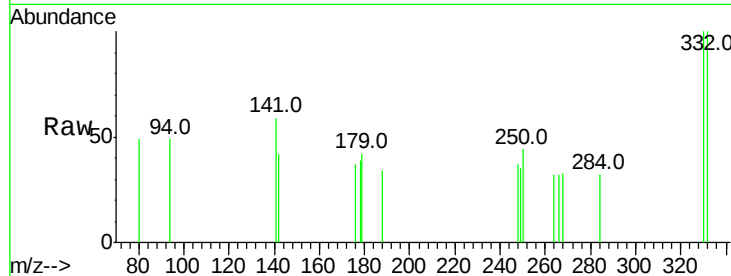
#14  
 2,4,6-Tribromophenol  
 Concen: 0.375 ng  
 RT: 16.06 min Scan# 1207  
 Delta R.T. 0.03 min  
 Lab File: BE094788.D  
 Acq: 8 Nov 2017 18:18

Instrument :  
 BNA\_E  
 ClientSampled :  
 MW-3

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 100.0 | 152.7 | 229.1# |
| 141     | 0.0   | 33.7  | 50.5#  |

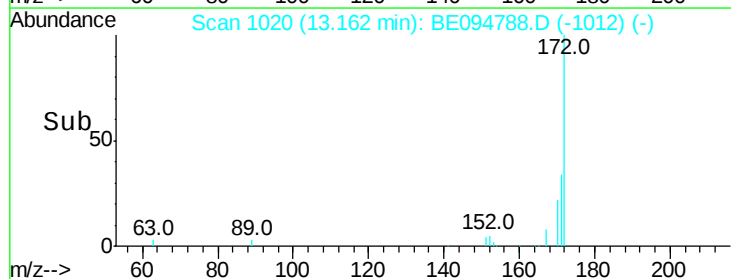
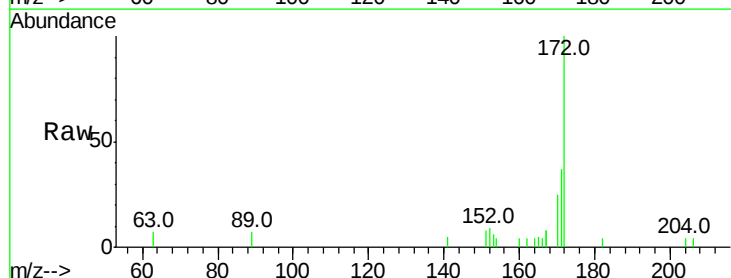
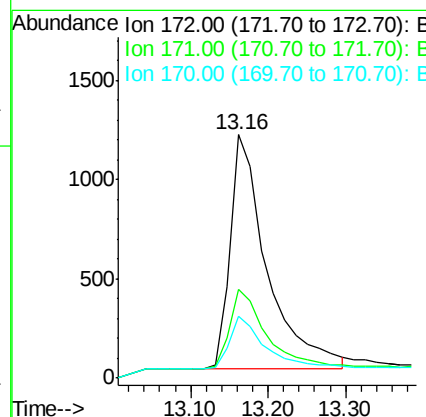
Manual Integrations  
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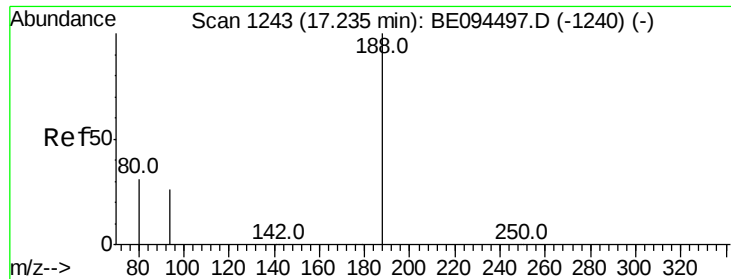
Sohil  
 11/9/2017 3:45:21 PM



#15  
 2-Fluorobiphenyl  
 Concen: 0.348 ng  
 RT: 13.16 min Scan# 1020  
 Delta R.T. 0.02 min  
 Lab File: BE094788.D  
 Acq: 8 Nov 2017 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 29.9  | 44.9  |
| 170     | 25.4  | 21.8  | 32.8  |





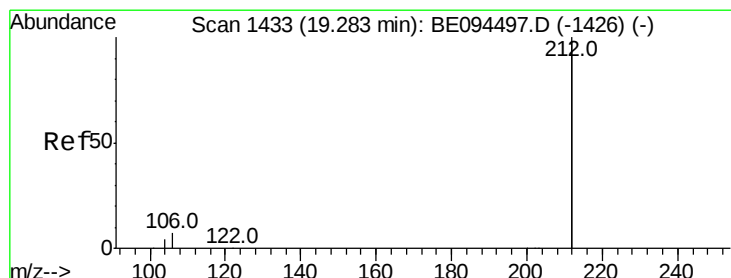
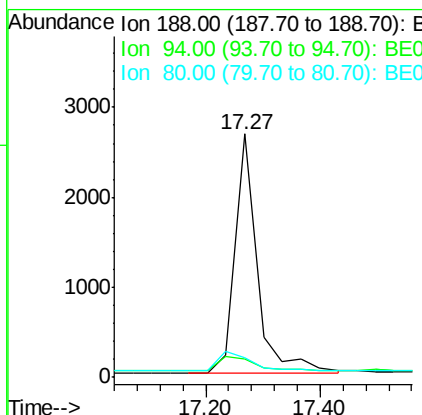
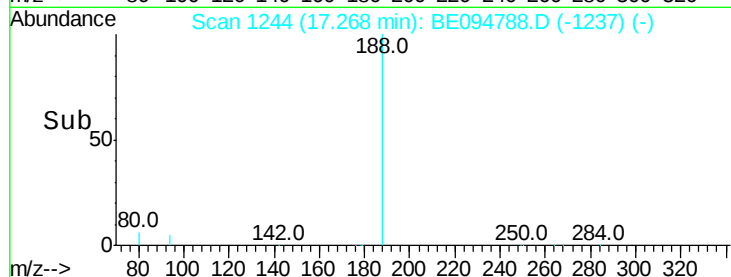
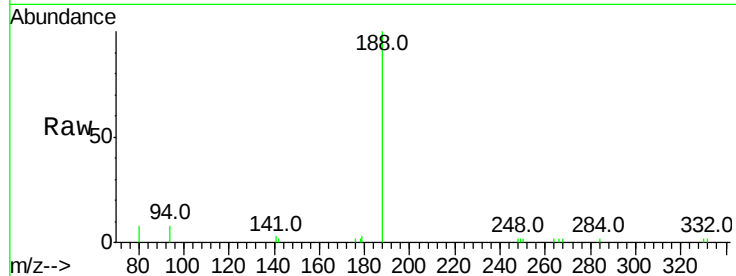
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.27 min Scan# 1244  
Delta R.T. 0.03 min  
Lab File: BE094788.D  
Acq: 8 Nov 2017 18:18

Instrument :  
BNA\_E  
ClientSampled :  
MW-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.6   | 3.9   | 5.9#  |
| 80      | 8.1   | 3.6   | 5.4#  |

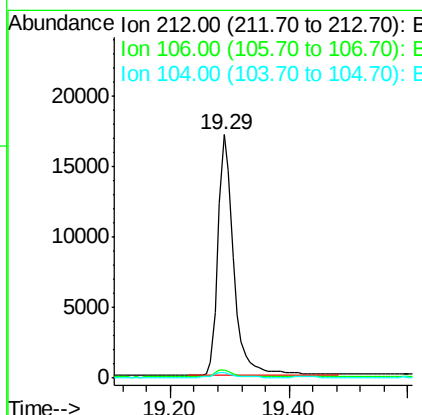
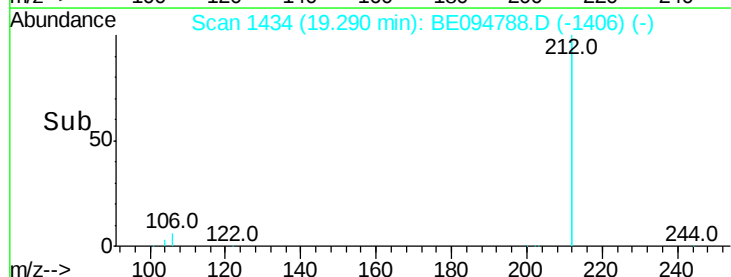
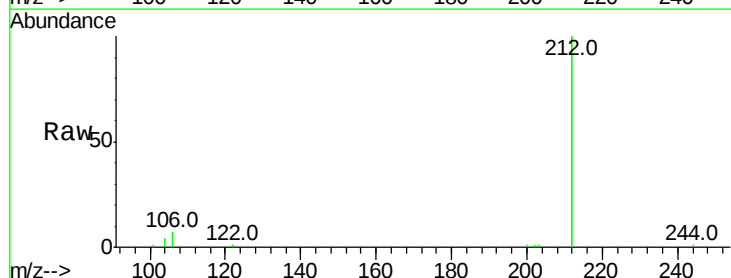
Manual Integrations  
APPROVED

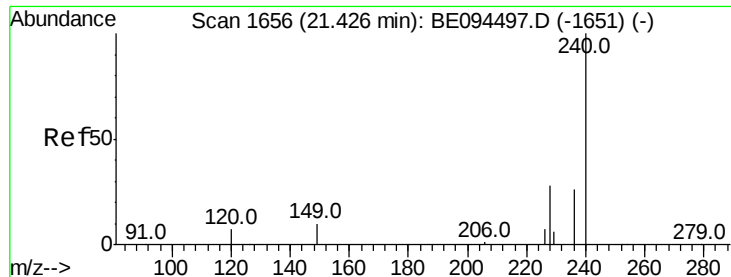
Sohil  
11/9/2017 3:45:21 PM



#25  
Fluoranthene-d10  
Concen: 0.345 ng  
RT: 19.29 min Scan# 1434  
Delta R.T. 0.01 min  
Lab File: BE094788.D  
Acq: 8 Nov 2017 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 3.2   | 2.8   | 4.2   |
| 104     | 1.9   | 1.6   | 2.4   |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.44 min Scan# 1657

Delta R.T. 0.01 min

Lab File: BE094788.D

Acq: 8 Nov 2017 18:18

Instrument :

BNA\_E

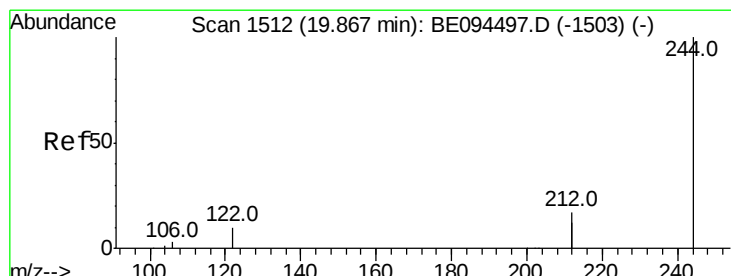
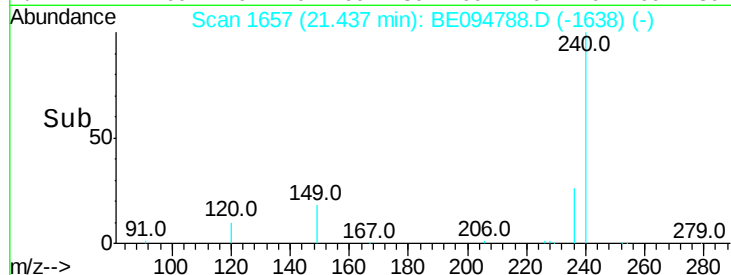
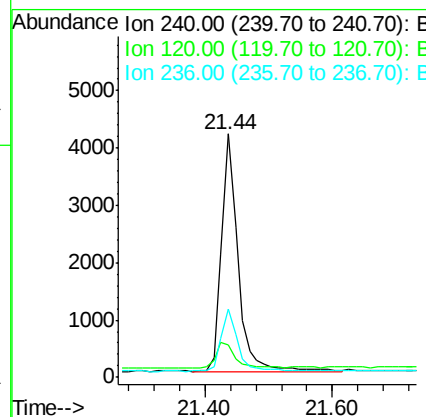
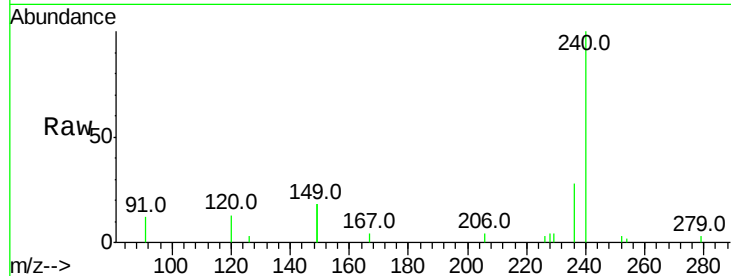
ClientSampled :

MW-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.2  | 5.5   | 8.3#  |
| 236     | 27.9  | 20.7  | 31.1  |

Manual Integrations  
APPROVED

Sohil  
11/9/2017 3:45:21 PM



#29

Terphenyl-d14

Concen: 0.475 ng

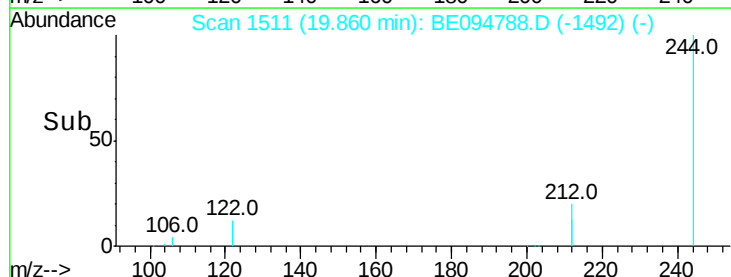
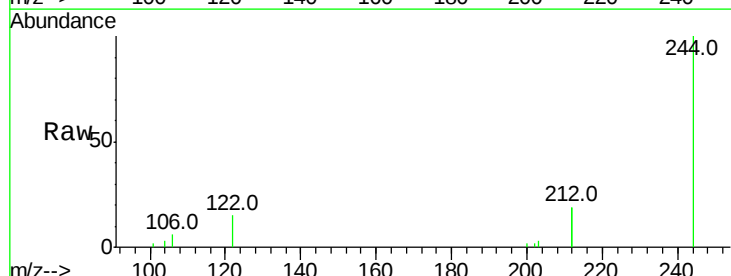
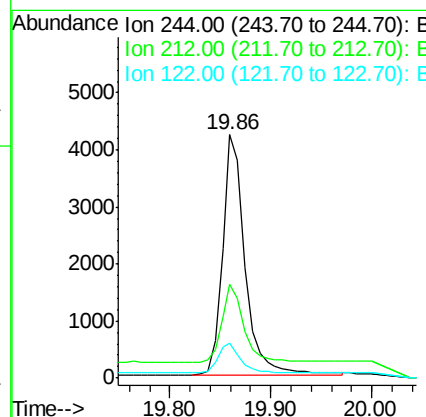
RT: 19.86 min Scan# 1511

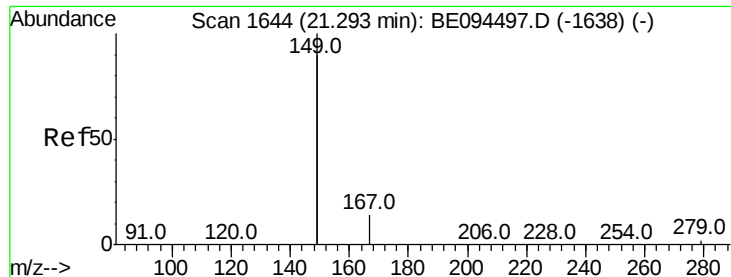
Delta R.T. -0.01 min

Lab File: BE094788.D

Acq: 8 Nov 2017 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 38.7  | 25.4  | 38.0# |
| 122     | 14.5  | 8.1   | 12.1# |





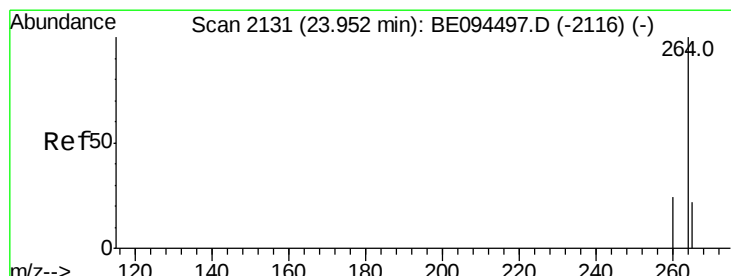
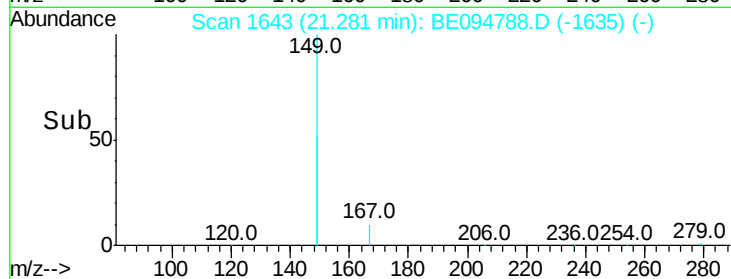
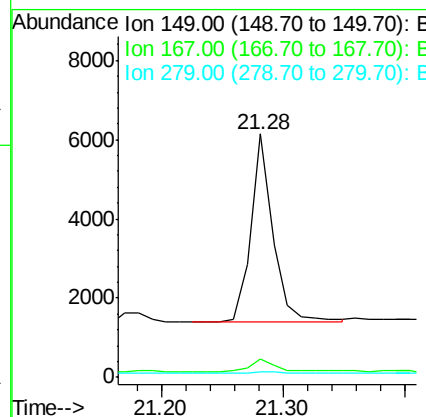
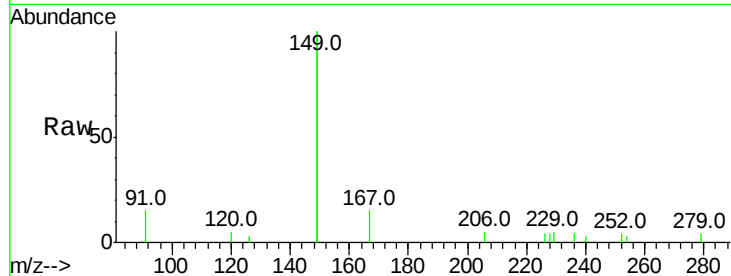
#32  
Bis(2-ethylhexyl)phthalate  
Concen: 0.105 ng  
RT: 21.28 min Scan# 1643  
Delta R.T. -0.01 min  
Lab File: BE094788.D  
Acq: 8 Nov 2017 18:18

Instrument :  
BNA\_E  
ClientSampleId :  
MW-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 7.0   | 5.4   | 8.0   |
| 279     | 1.4   | 0.7   | 1.1#  |

Manual Integrations  
APPROVED

Sohil  
11/9/2017 3:45:21 PM



#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.98 min Scan# 2137  
Delta R.T. 0.03 min  
Lab File: BE094788.D  
Acq: 8 Nov 2017 18:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 27.1  | 20.5  | 30.7  |
| 265     | 34.2  | 22.8  | 34.2# |

