

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122719\  
 Data File : BE100996.D  
 Acq On : 27 Dec 2019 16:51  
 Operator : JU  
 Sample : K6392-03DL 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MW-3DL

Manual Integrations  
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Quant Time: Dec 27 23:30:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE122419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 27 17:39:05 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.75  | 152  | 2501     | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 10.52 | 136  | 12994    | 0.40  | ng    | 0.00        |
| 13) Acenaphthene-d10           | 14.37 | 164  | 8829     | 0.40  | ng    | -0.01       |
| 19) Phenanthrene-d10           | 17.11 | 188  | 19851    | 0.40  | ng    | -0.01       |
| 27) Chrysene-d12               | 21.29 | 240  | 18676    | 0.40  | ng    | 0.00        |
| 34) Perylene-d12               | 23.72 | 264  | 22571    | 0.40  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.35  | 112  | 272      | 0.06  | ng    | 0.00        |
| 5) Phenol-d6                   | 6.97  | 99   | 260m     | 0.23  | ng    | -0.02       |
| 8) Nitrobenzene-d5             | 8.94  | 82   | 391      | 0.25  | ng    | 0.03        |
| 11) 2-Methylnaphthalene-d10    | 12.14 | 152  | 1604     | 0.08  | ng    | 0.01        |
| 14) 2,4,6-Tribromophenol       | 15.88 | 330  | 99       | 0.26  | ng    | 0.00        |
| 15) 2-Fluorobiphenyl           | 13.02 | 172  | 2563     | 0.08  | ng    | 0.00        |
| 25) Fluoranthene-d10           | 19.14 | 212  | 19787    | 0.08  | ng    | 0.00        |
| 29) Terphenyl-d14              | 19.75 | 244  | 4016     | 0.09  | ng    | -0.01       |
| Target Compounds               |       |      |          |       |       |             |
| 2) 1,4-Dioxane                 | 3.32  | 88   | 10728    | 1.989 | ng    | Qvalue # 72 |
| 32) Bis(2-ethylhexyl)phthalate | 21.21 | 149  | 8705     | 0.092 | ng    | 100         |

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

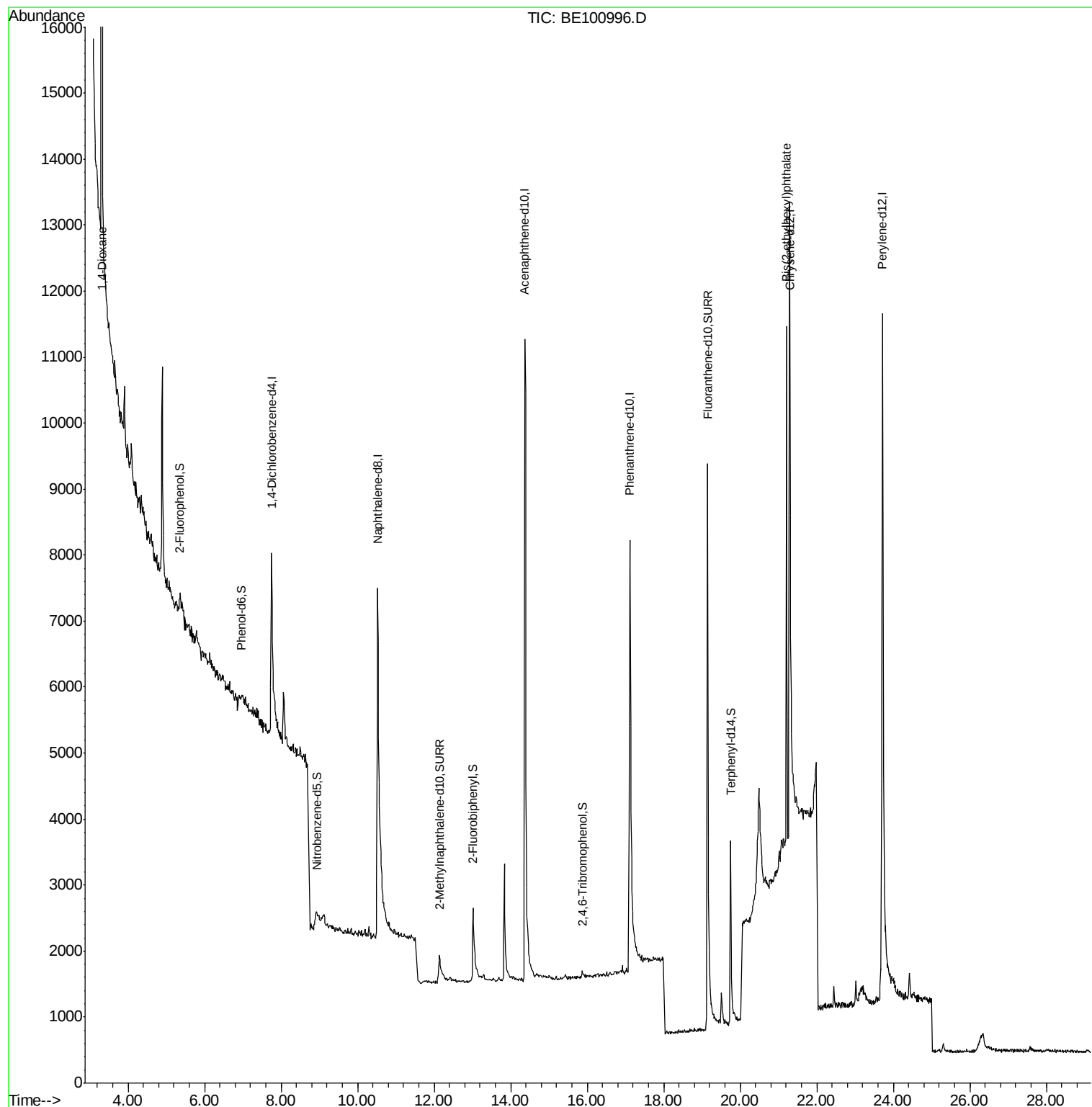
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122719\  
Data File : BE100996.D  
Acq On : 27 Dec 2019 16:51  
Operator : JU  
Sample : K6392-03DL 5X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
MW-3DL

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Quant Time: Dec 27 23:30:39 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE122419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 27 17:39:05 2019  
Response via : Initial Calibration





#1

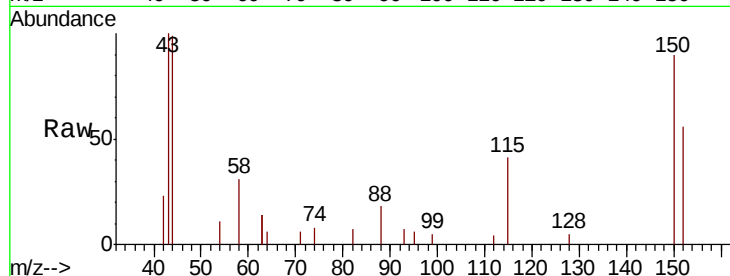
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.75 min Scan# 424  
Delta R.T. 0.00 min  
Lab File: BE100996.D  
Acq: 27 Dec 2019 16:51

Instrument :  
BNA\_E  
ClientSampleId :  
MW-3DL

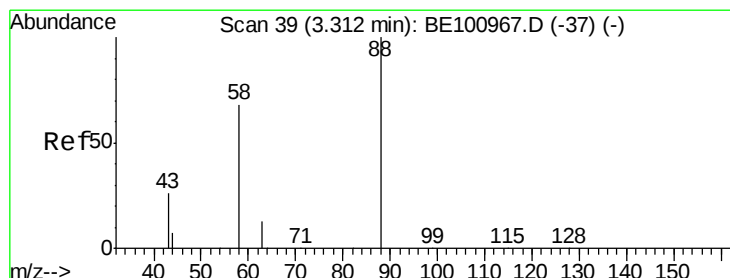
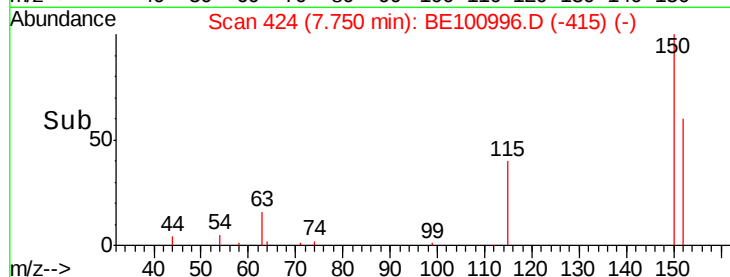
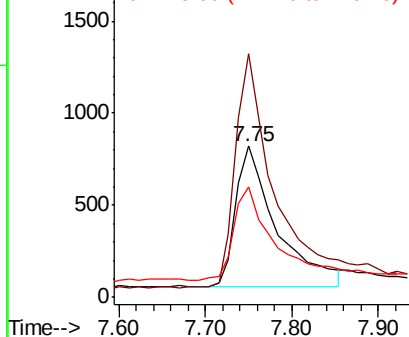
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.8 | 132.6 | 199.0 |
| 115     | 72.6  | 64.1  | 96.1  |

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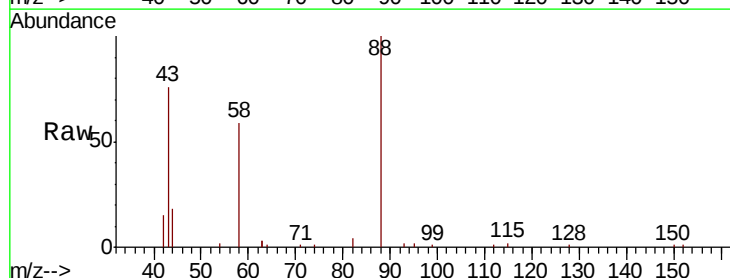
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



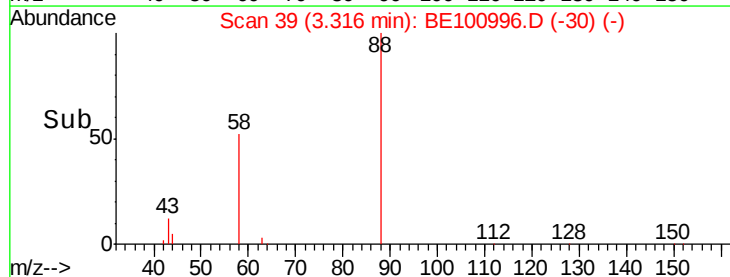
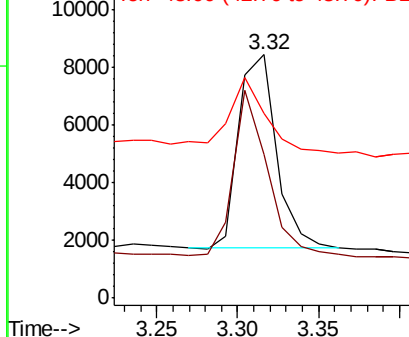
#2

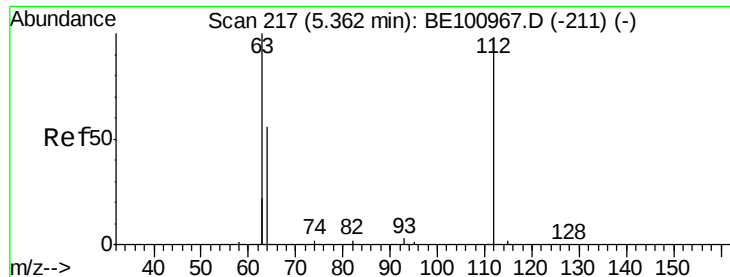
1,4-Dioxane  
Concen: 1.989 ng  
RT: 3.32 min Scan# 39  
Delta R.T. 0.00 min  
Lab File: BE100996.D  
Acq: 27 Dec 2019 16:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 75.3  | 44.2  | 66.4# |
| 43      | 41.5  | 21.0  | 31.6# |



Abundance Ion 88.00 (87.70 to 88.70): BE1  
Ion 58.00 (57.70 to 58.70): BE1  
Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.064 ng

RT: 5.35 min Scan# 216

Delta R.T. -0.01 min

Lab File: BE100996.D

Acq: 27 Dec 2019 16:51

Instrument :

BNA\_E

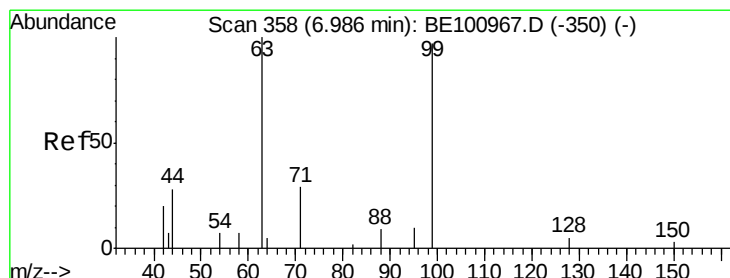
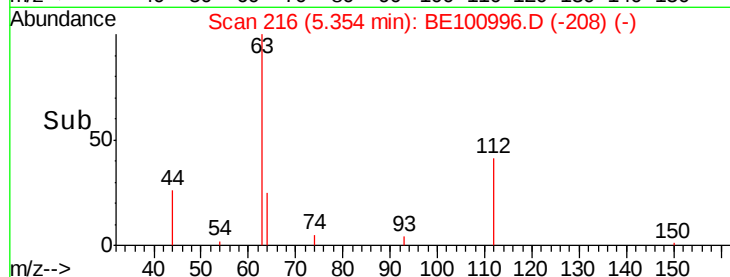
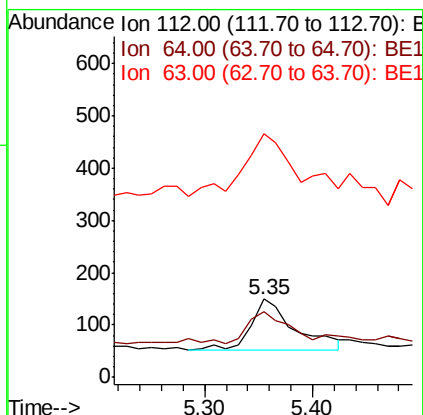
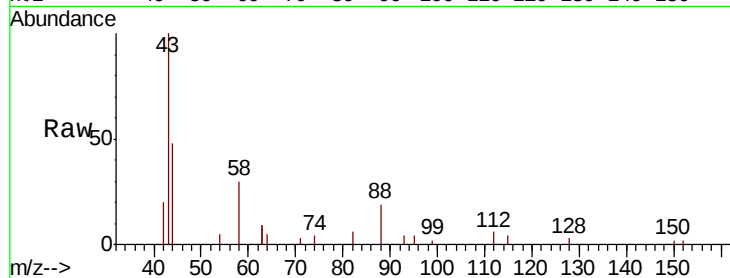
ClientSampleId :

MW-3DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 112   | Resp: | 272   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 56.3  | 59.0  | 88.6# |
| 63       | 148.9 | 121.4 | 182.0 |

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#5

Phenol-d6

Concen: 0.233 ng m

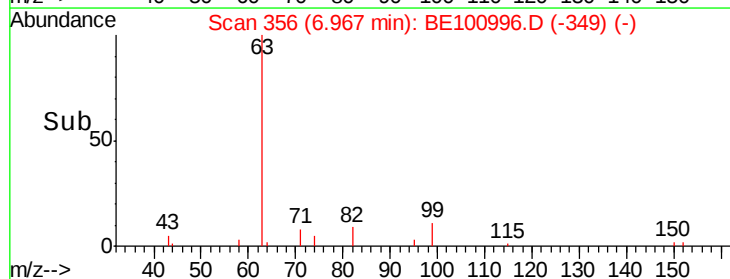
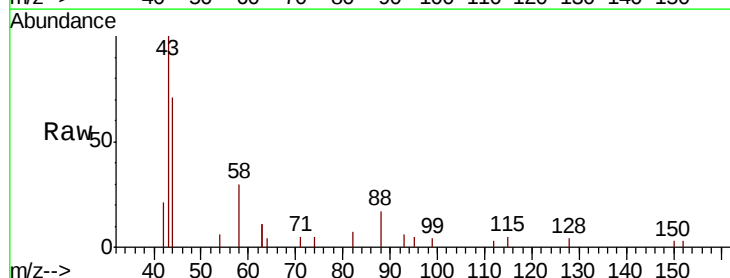
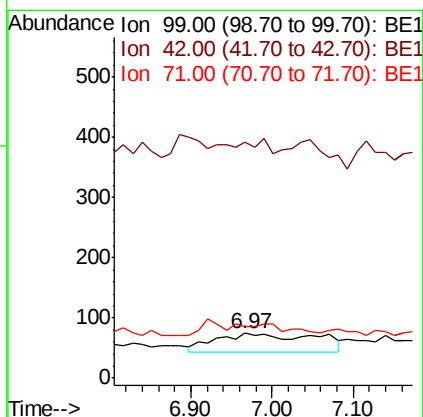
RT: 6.97 min Scan# 356

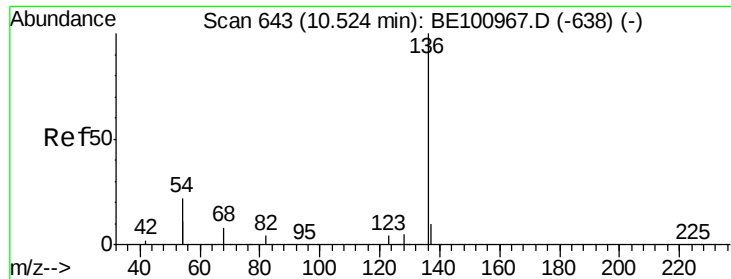
Delta R.T. -0.02 min

Lab File: BE100996.D

Acq: 27 Dec 2019 16:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 260   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 0.0   | 0.0   | 0.0   |
| 71       | 20.4  | 0.0   | 0.0#  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.52 min Scan# 643

Delta R.T. -0.00 min

Lab File: BE100996.D

Acq: 27 Dec 2019 16:51

Instrument :

BNA\_E

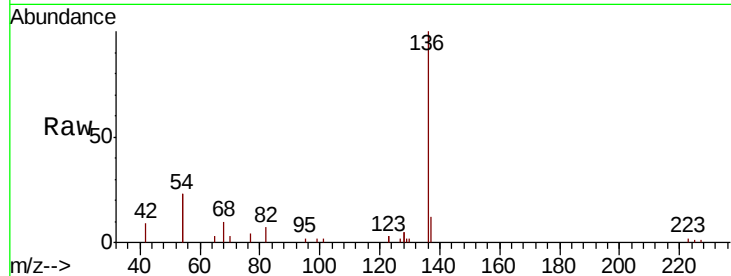
ClientSampleId :

MW-3DL

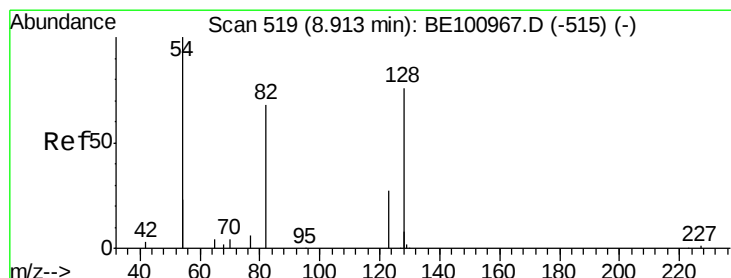
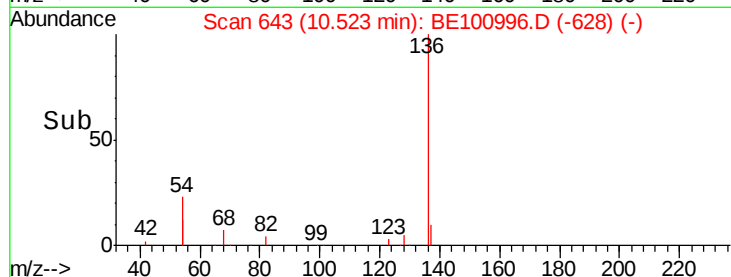
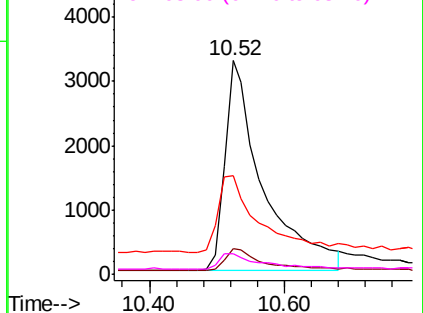
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.8  | 9.0   | 13.6  |
| 54      | 46.0  | 34.4  | 51.6  |
| 68      | 9.6   | 7.8   | 11.6  |

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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): BE1  
Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.251 ng

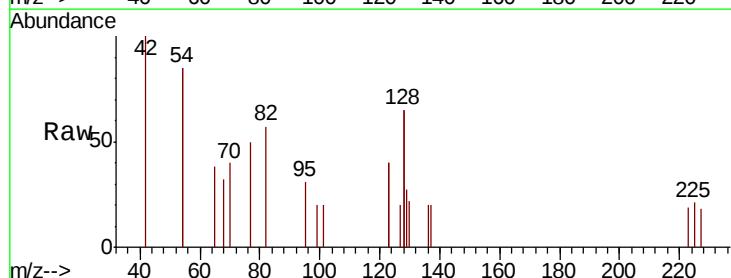
RT: 8.94 min Scan# 521

Delta R.T. 0.03 min

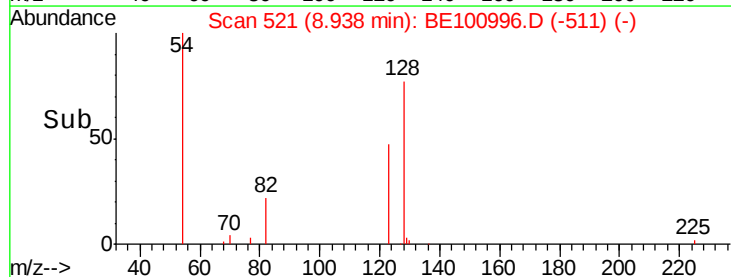
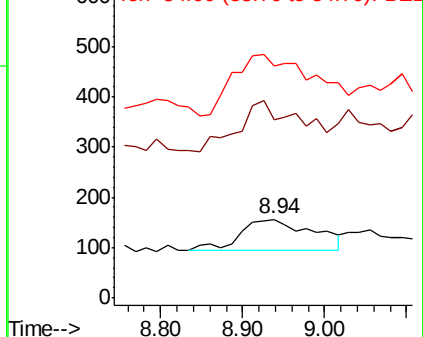
Lab File: BE100996.D

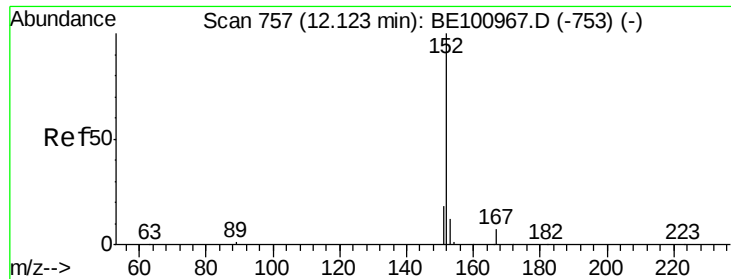
Acq: 27 Dec 2019 16:51

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 82      | 100   |       |        |
| 128     | 226.9 | 140.2 | 210.2# |
| 54      | 296.2 | 183.8 | 275.6# |



Abundance Ion 82.00 (81.70 to 82.70): BE1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BE1





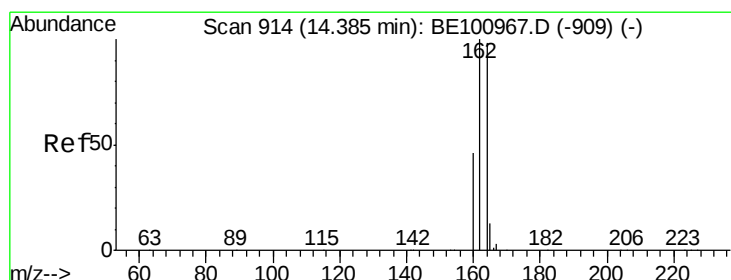
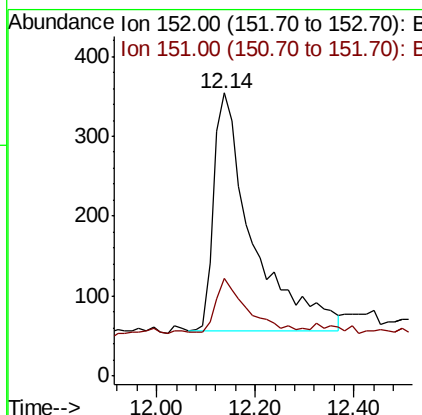
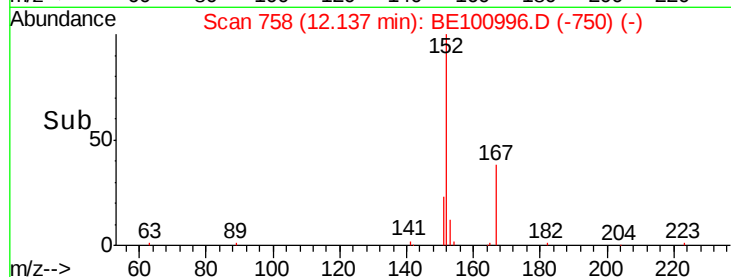
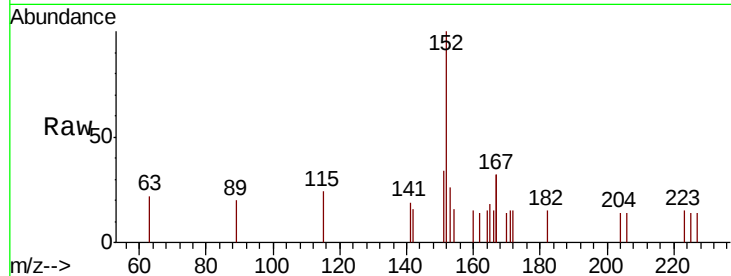
#11  
2-Methylnaphthalene-d10  
Concen: 0.084 ng  
RT: 12.14 min Scan# 758  
Delta R.T. 0.01 min  
Lab File: BE100996.D  
Acq: 27 Dec 2019 16:51

Instrument :  
BNA\_E  
ClientSampleId :  
MW-3DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 17.6  | 15.1  | 22.7  |

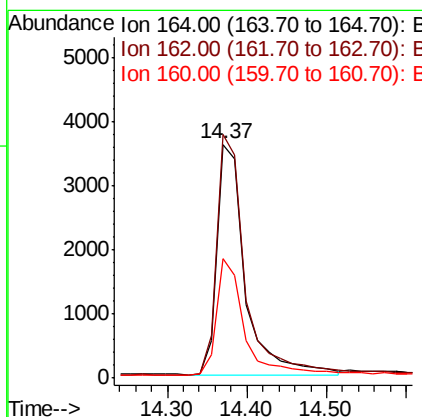
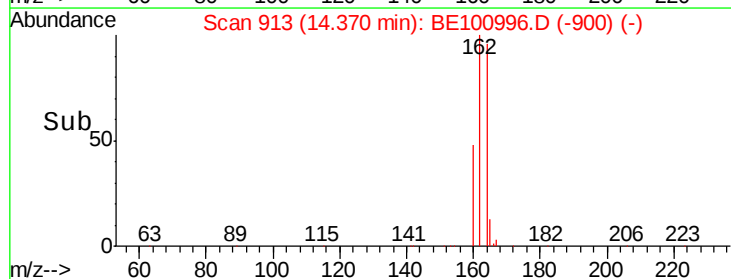
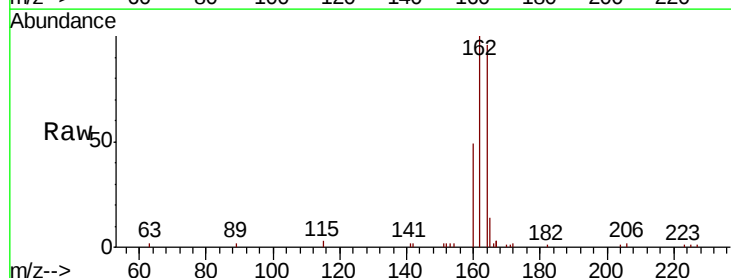
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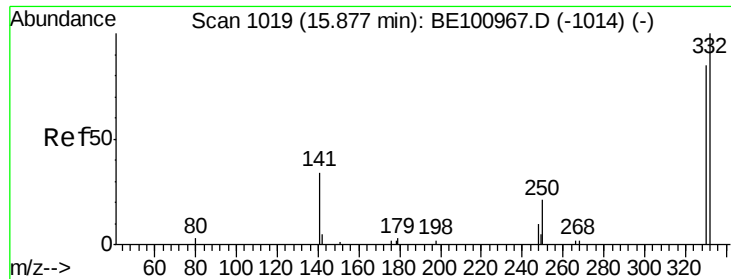
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#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.37 min Scan# 913  
Delta R.T. -0.01 min  
Lab File: BE100996.D  
Acq: 27 Dec 2019 16:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.1 | 81.6  | 122.4 |
| 160     | 50.9  | 37.7  | 56.5  |





#14

2,4,6-Tribromophenol

Concen: 0.264 ng

RT: 15.88 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE100996.D

Acq: 27 Dec 2019 16:51

Instrument :

BNA\_E

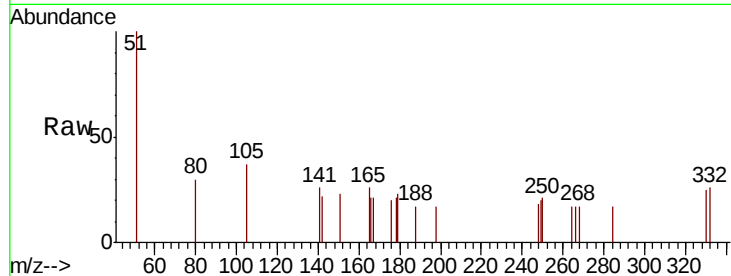
ClientSampleId :

MW-3DL

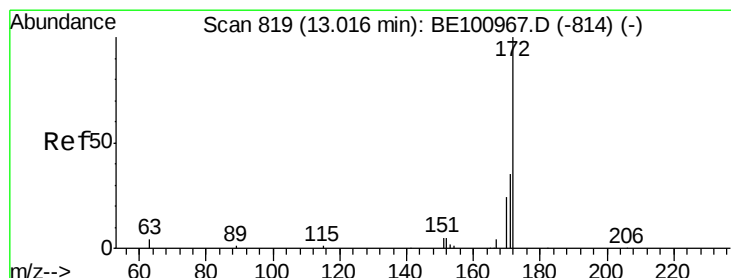
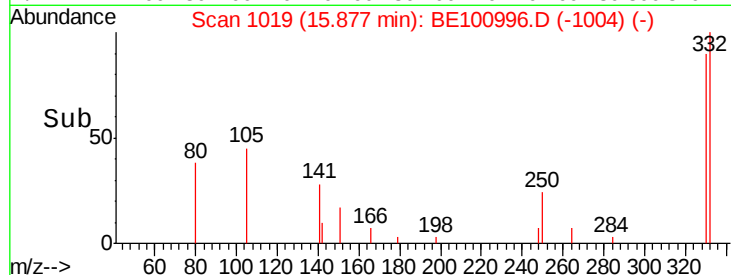
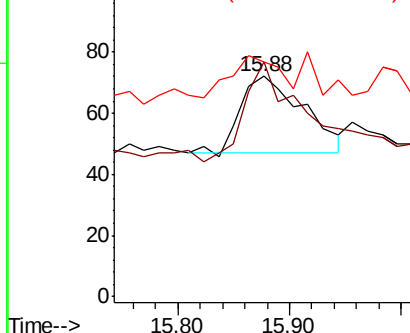
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 144.4 | 72.4  | 108.6# |
| 141     | 44.4  | 25.4  | 38.2#  |

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Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



#15

2-Fluorobiphenyl

Concen: 0.082 ng

RT: 13.02 min Scan# 819

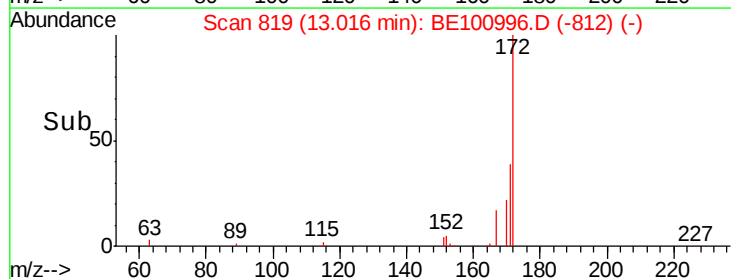
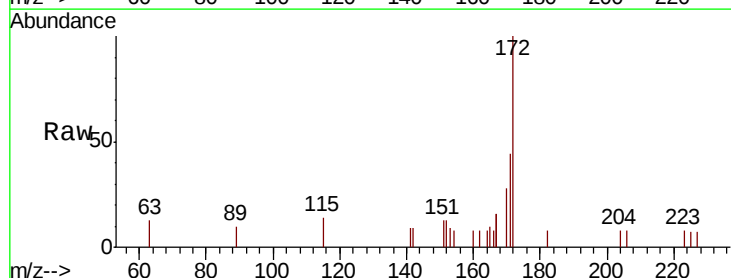
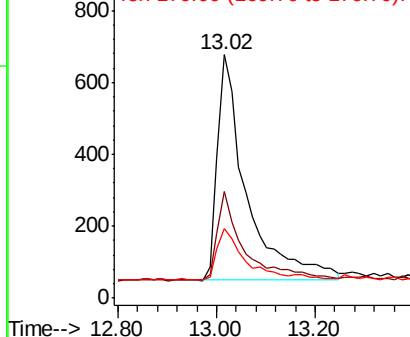
Delta R.T. -0.00 min

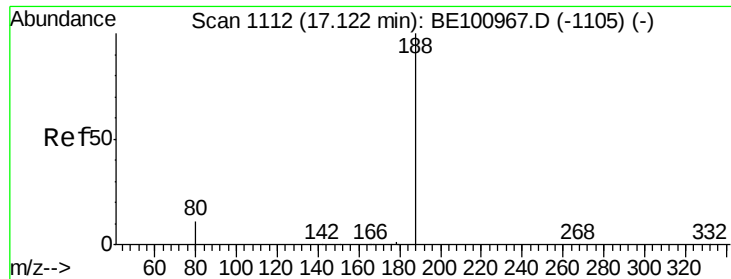
Lab File: BE100996.D

Acq: 27 Dec 2019 16:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 43.9  | 29.0  | 43.6# |
| 170     | 28.4  | 20.0  | 30.0  |

Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E





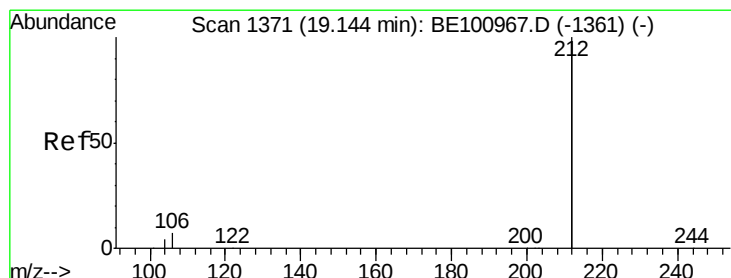
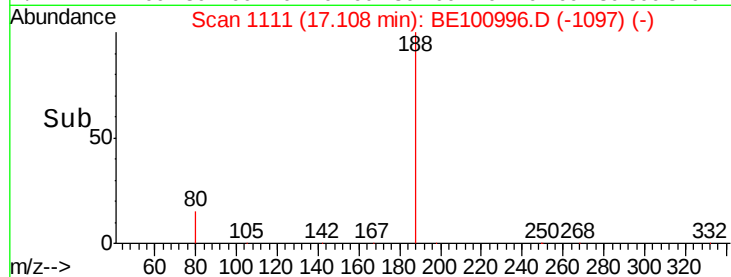
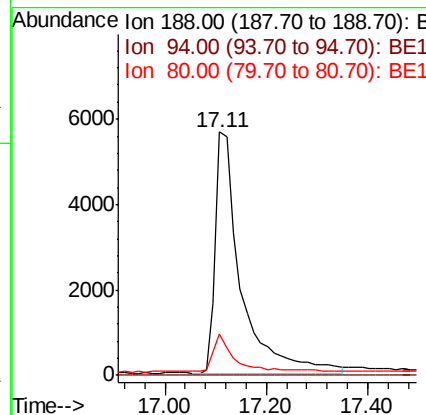
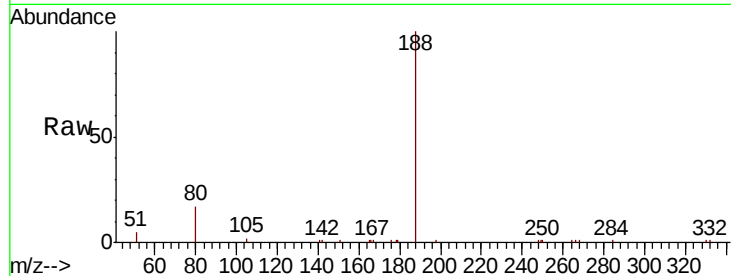
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.11 min Scan# 1111  
Delta R.T. -0.01 min  
Lab File: BE100996.D  
Acq: 27 Dec 2019 16:51

Instrument :  
BNA\_E  
ClientSampleId :  
MW-3DL

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 0.0   | 0.0        | 0.0   |
| 80      | 16.8  | 9.7        | 14.5  |

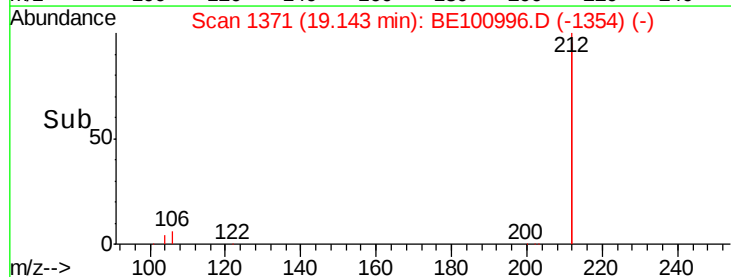
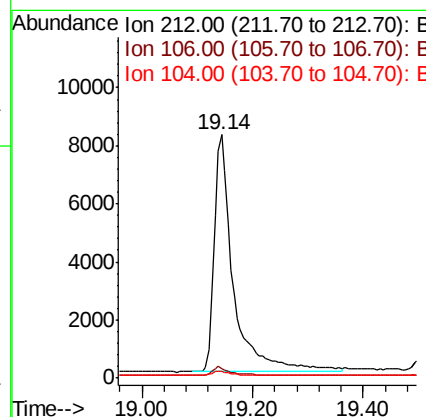
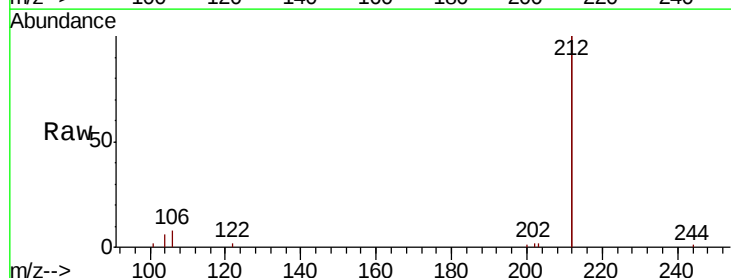
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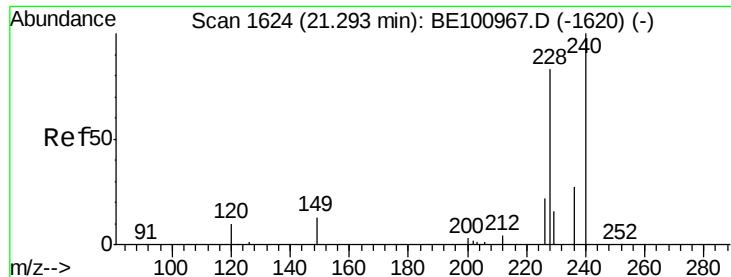
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#25  
Fluoranthene-d10  
Concen: 0.082 ng  
RT: 19.14 min Scan# 1371  
Delta R.T. -0.00 min  
Lab File: BE100996.D  
Acq: 27 Dec 2019 16:51

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 212     | 100   |            |       |
| 106     | 3.5   | 2.4        | 3.6   |
| 104     | 1.9   | 1.4        | 2.0   |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100996.D

Acq: 27 Dec 2019 16:51

Instrument :

BNA\_E

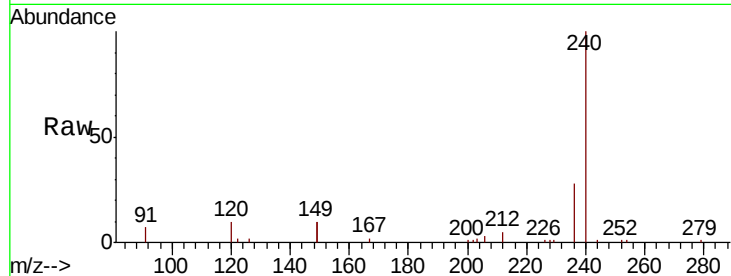
ClientSampleId :

MW-3DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.3  | 10.2  | 15.4  |
| 236     | 28.1  | 22.6  | 34.0  |

Manual Integrations  
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12/29/2019 5:26:59 PM

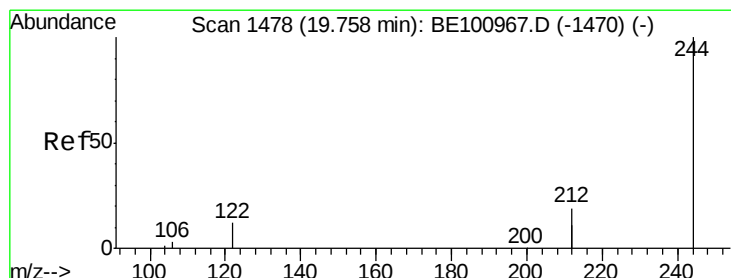
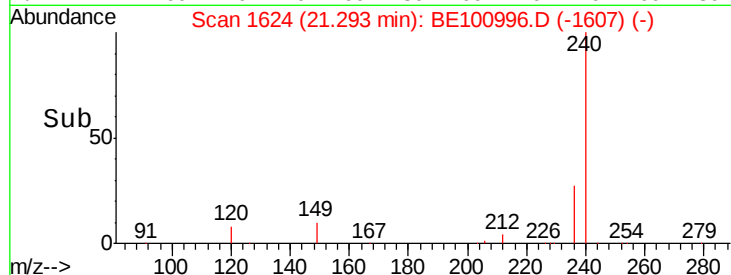
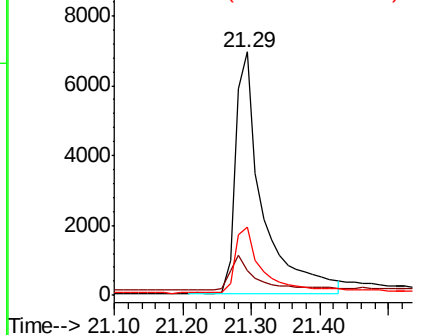


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#29

Terphenyl-d14

Concen: 0.094 ng

RT: 19.75 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BE100996.D

Acq: 27 Dec 2019 16:51

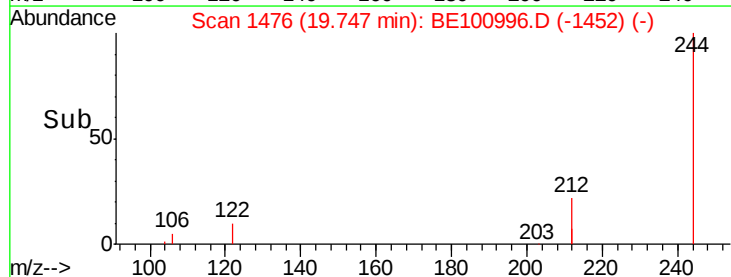
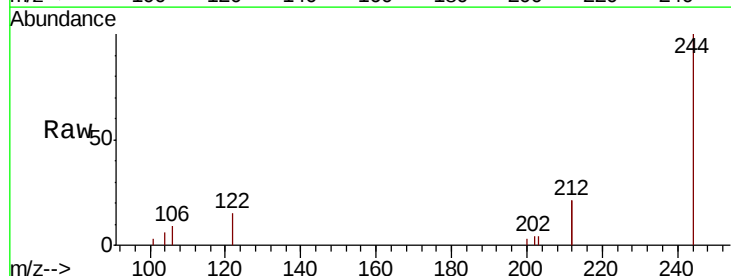
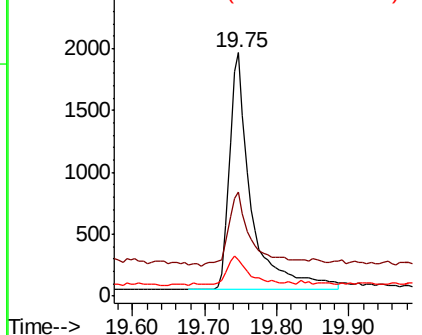
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 42.7  | 29.3  | 43.9  |
| 122     | 15.0  | 10.2  | 15.4  |

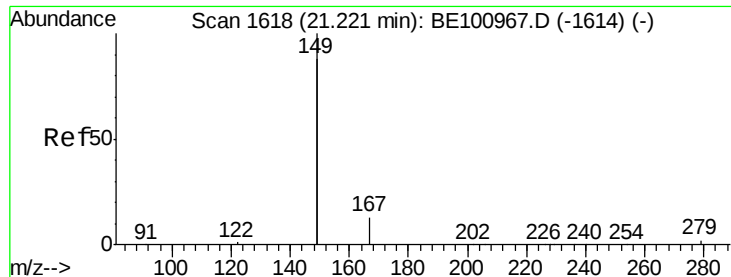
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.092 ng

RT: 21.21 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BE100996.D

Acq: 27 Dec 2019 16:51

Instrument :

BNA\_E

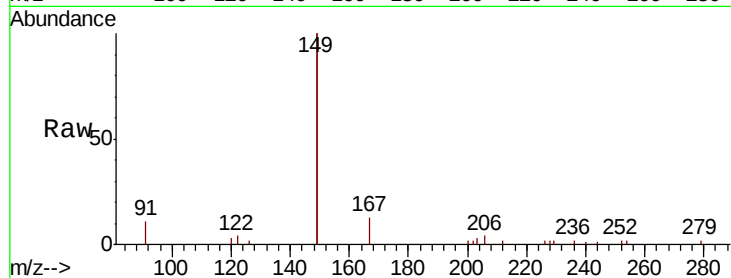
ClientSampleId :

MW-3DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 149   | Resp: | 8705 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 6.5   | 5.1   | 7.7  |
| 279       | 1.0   | 0.6   | 1.0  |

Manual Integrations  
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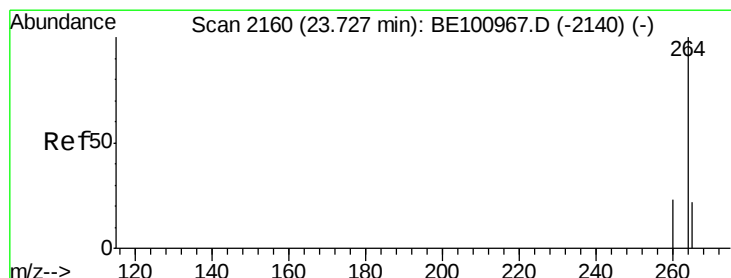
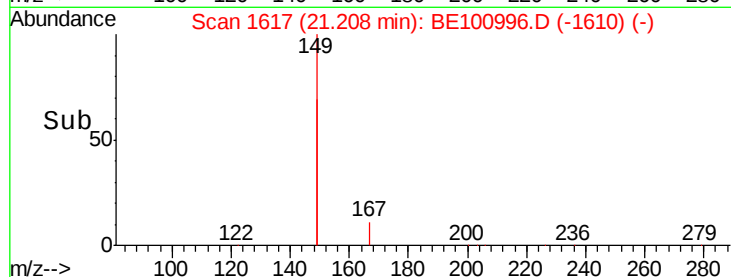
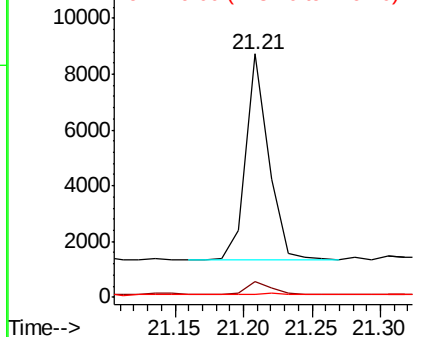


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Perylene-d12

Concen: 0.400 ng

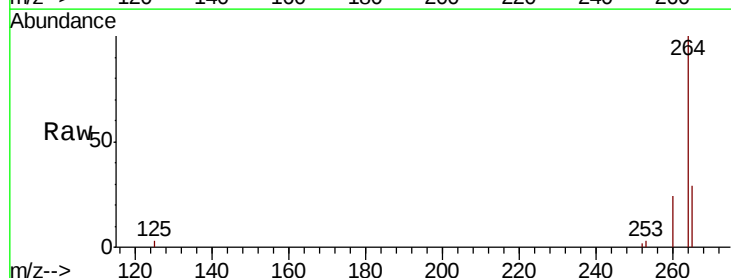
RT: 23.72 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BE100996.D

Acq: 27 Dec 2019 16:51

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 22571 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 23.8  | 19.1  | 28.7  |
| 265       | 29.4  | 26.6  | 40.0  |



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

