

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060619\  
 Data File : BE099818.D  
 Acq On : 6 Jun 2019 11:43  
 Operator : JU/SJ  
 Sample : PB120350BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB120350BL

Manual Integrations  
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 6/7/2019 2:10:30 PM

Quant Time: Jun 07 04:13:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 05 14:35:58 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.80  | 152  | 1023     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.63 | 136  | 3115     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10        | 14.50 | 164  | 2246     | 0.40 | ng    | 0.03     |
| 19) Phenanthrene-d10        | 17.24 | 188  | 7560     | 0.40 | ng    | 0.01     |
| 27) Chrysene-d12            | 21.43 | 240  | 13491    | 0.40 | ng    | 0.01     |
| 34) Perylene-d12            | 23.95 | 264  | 16153    | 0.40 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.37  | 112  | 607      | 0.24 | ng    | 0.01     |
| 5) Phenol-d6                | 6.99  | 99   | 646      | 0.20 | ng    | 0.02     |
| 8) Nitrobenzene-d5          | 9.00  | 82   | 687      | 0.25 | ng    | 0.04     |
| 11) 2-Methylnaphthalene-d10 | 12.25 | 152  | 1631     | 0.30 | ng    | 0.04     |
| 14) 2,4,6-Tribromophenol    | 16.08 | 330  | 101m     | 0.20 | ng    | 0.10     |
| 15) 2-Fluorobiphenyl        | 13.13 | 172  | 2516     | 0.30 | ng    | 0.03     |
| 25) Fluoranthene-d10        | 19.27 | 212  | 41023    | 0.37 | ng    | 0.01     |
| 29) Terphenyl-d14           | 19.87 | 244  | 8245     | 0.37 | ng    | 0.01     |

Target Compounds Qvalue

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

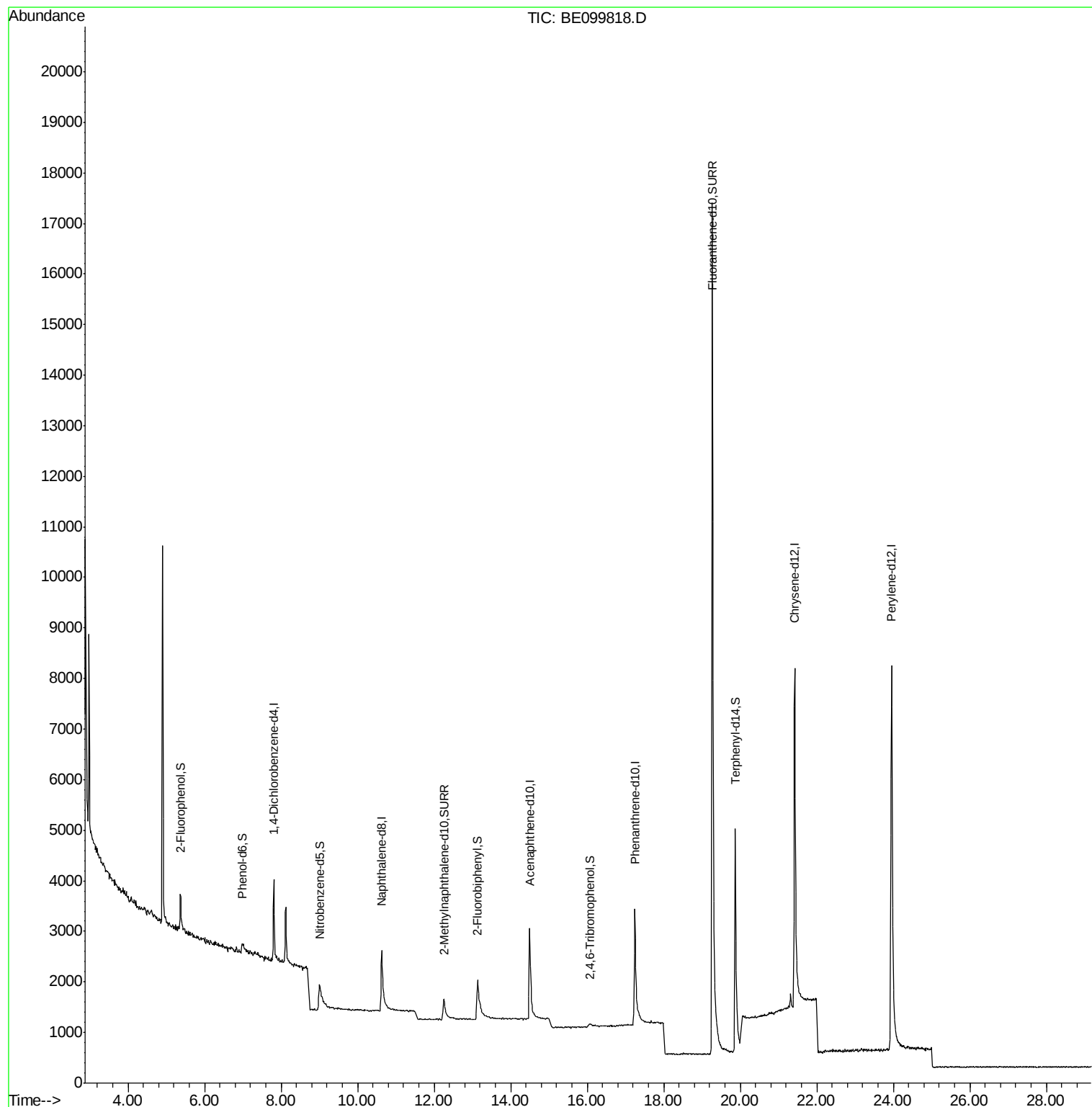
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060619\  
Data File : BE099818.D  
Acq On : 6 Jun 2019 11:43  
Operator : JU/SJ  
Sample : PB120350BL  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
PB120350BL

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Quant Time: Jun 07 04:13:54 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 05 14:35:58 2019  
Response via : Initial Calibration





#1

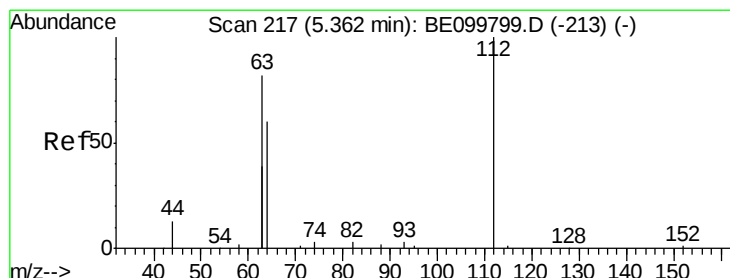
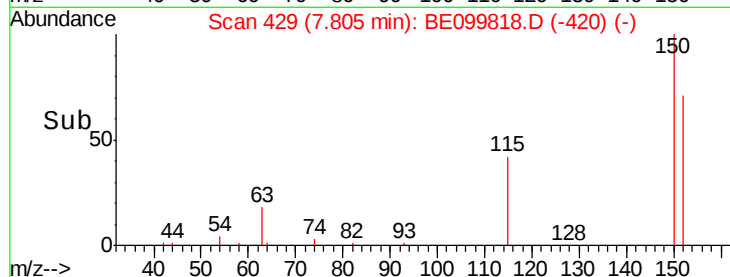
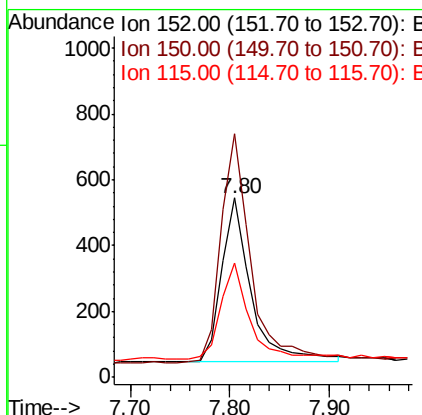
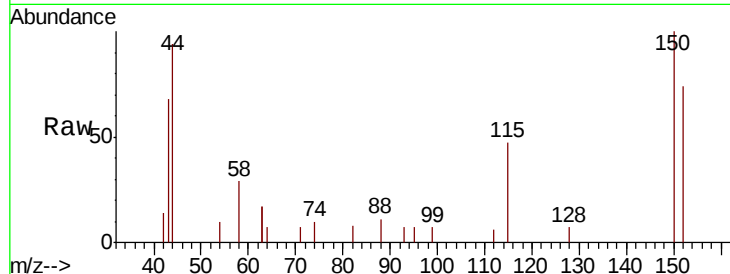
1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.80 min Scan# 429  
 Delta R.T. 0.00 min  
 Lab File: BE099818.D  
 Acq: 6 Jun 2019 11:43

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB120350BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 135.8 | 112.8 | 169.2 |
| 115     | 64.2  | 47.6  | 71.4  |

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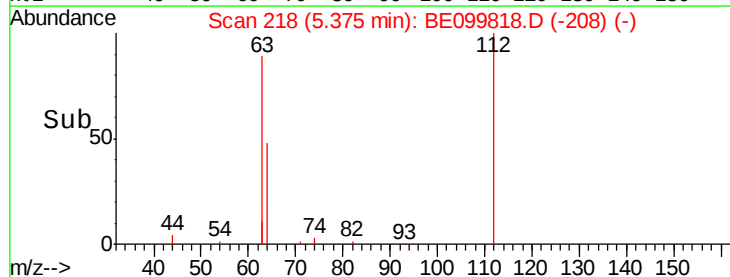
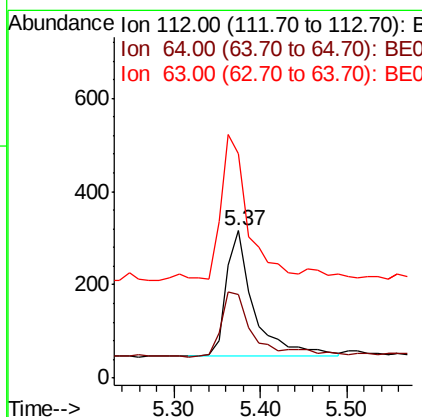
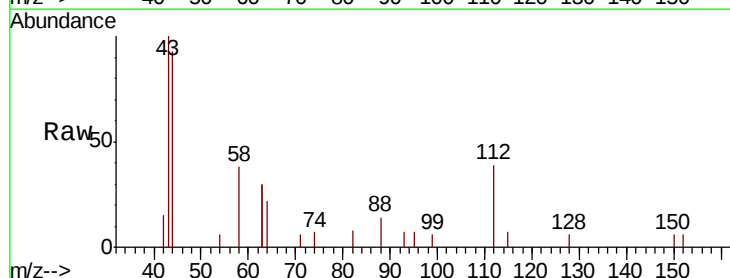
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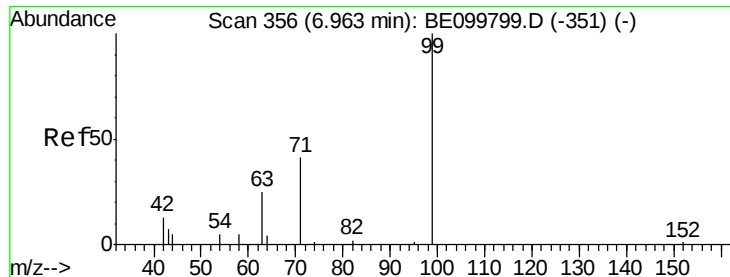


#4

2-Fluorophenol  
 Concen: 0.244 ng  
 RT: 5.37 min Scan# 218  
 Delta R.T. 0.01 min  
 Lab File: BE099818.D  
 Acq: 6 Jun 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.1  | 47.2  | 70.8  |
| 63      | 111.7 | 90.7  | 136.1 |





#5

Phenol-d6

Concen: 0.202 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.02 min

Lab File: BE099818.D

Acq: 6 Jun 2019 11:43

Instrument :

BNA\_E

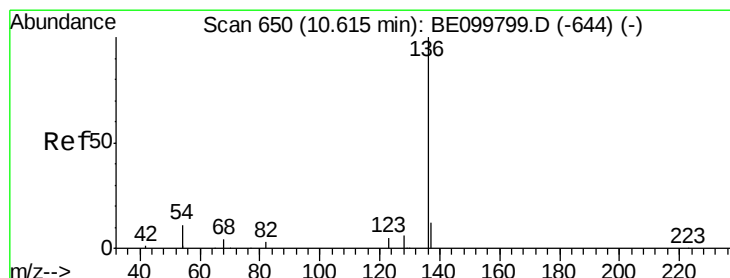
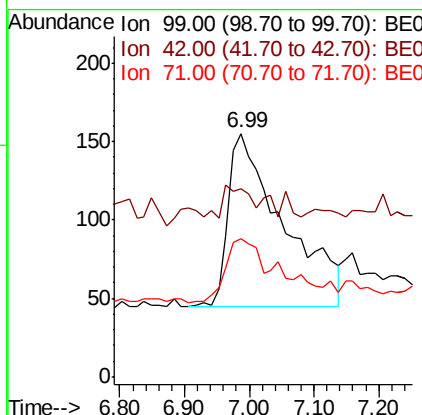
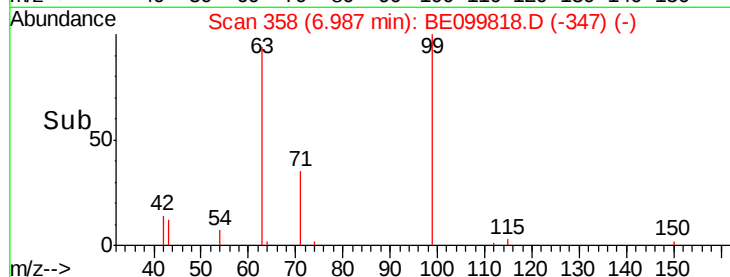
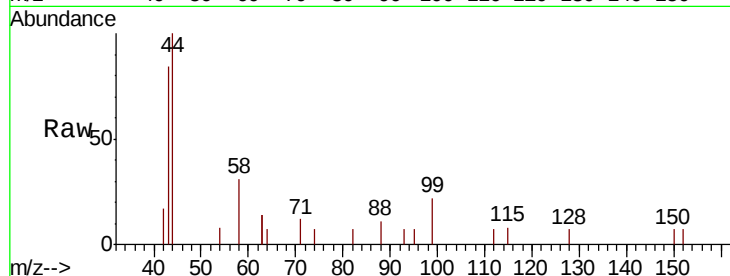
ClientSampleId :

PB120350BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 0.0   | 11.0  | 16.4# |
| 71      | 36.5  | 26.1  | 39.1  |

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#7

Naphthalene-d8

Concen: 0.400 ng

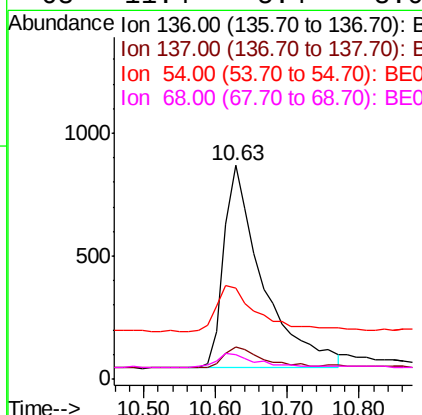
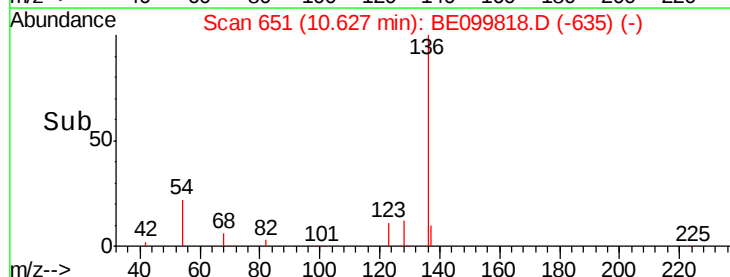
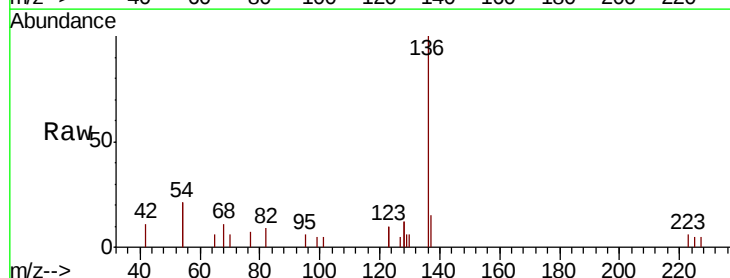
RT: 10.63 min Scan# 651

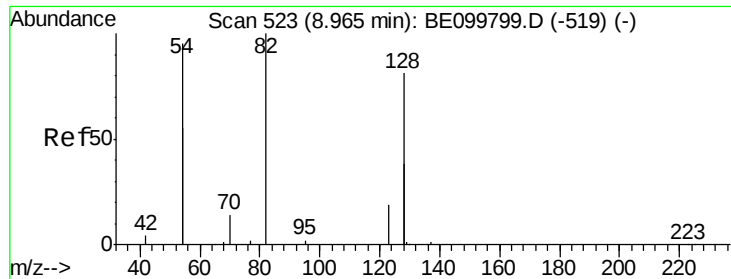
Delta R.T. 0.01 min

Lab File: BE099818.D

Acq: 6 Jun 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 14.8  | 11.1  | 16.7  |
| 54      | 42.6  | 17.9  | 26.9# |
| 68      | 11.4  | 5.4   | 8.0#  |





#8

Nitrobenzene-d5

Concen: 0.251 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.04 min

Lab File: BE099818.D

Acq: 6 Jun 2019 11:43

Instrument :

BNA\_E

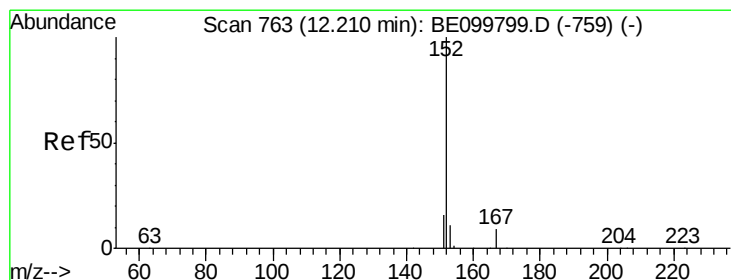
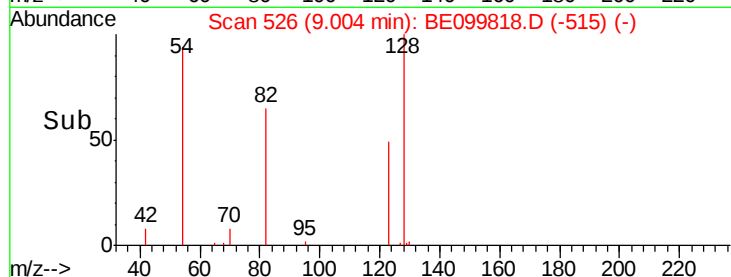
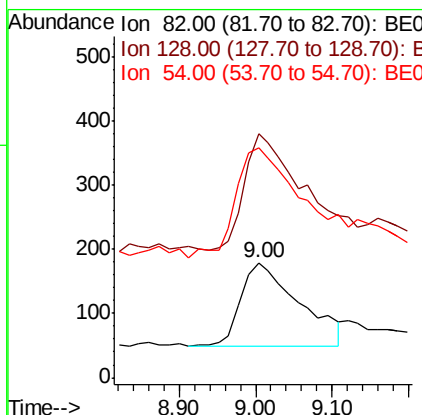
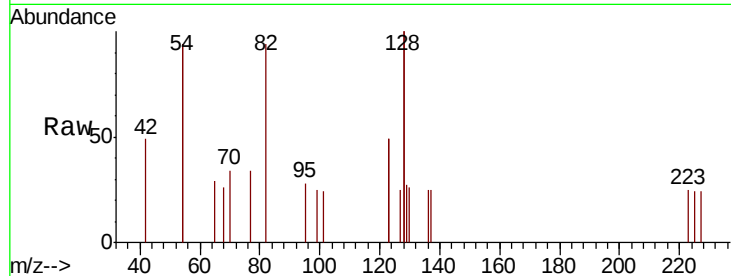
ClientSampled :

PB120350BL

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 82    | Resp: | 687    |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 212.3 | 116.6 | 175.0# |
| 54       | 200.0 | 136.2 | 204.4  |

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#11

2-Methylnaphthalene-d10

Concen: 0.305 ng

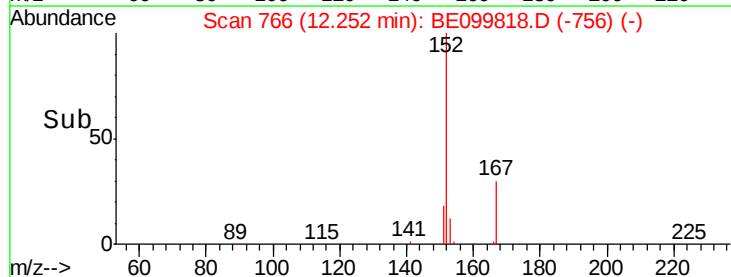
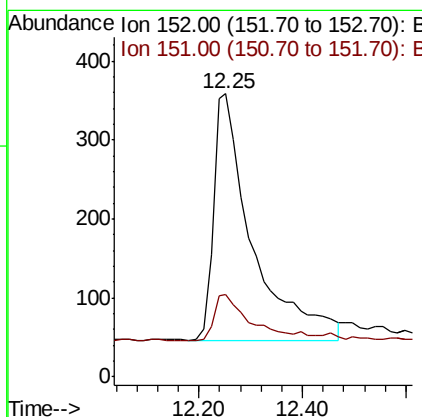
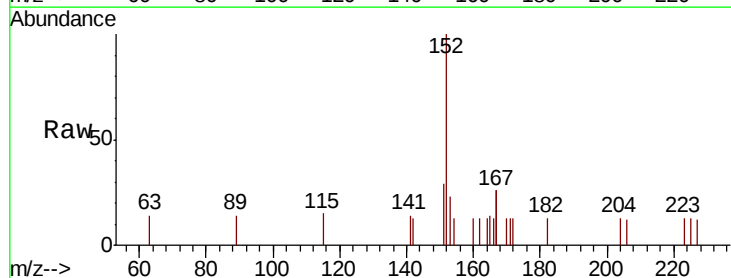
RT: 12.25 min Scan# 766

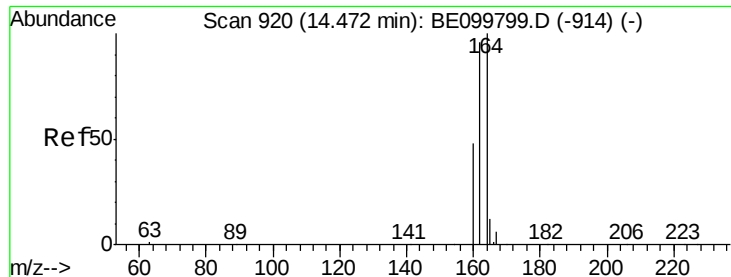
Delta R.T. 0.04 min

Lab File: BE099818.D

Acq: 6 Jun 2019 11:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 1631  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 18.9  | 15.8  | 23.8  |





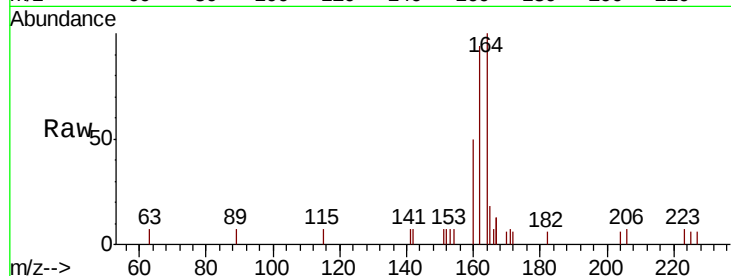
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.50 min Scan# 922  
Delta R.T. 0.03 min  
Lab File: BE099818.D  
Acq: 6 Jun 2019 11:43

Instrument :  
BNA\_E  
ClientSampleId :  
PB120350BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 94.3  | 77.2  | 115.8 |
| 160     | 49.5  | 39.4  | 59.2  |

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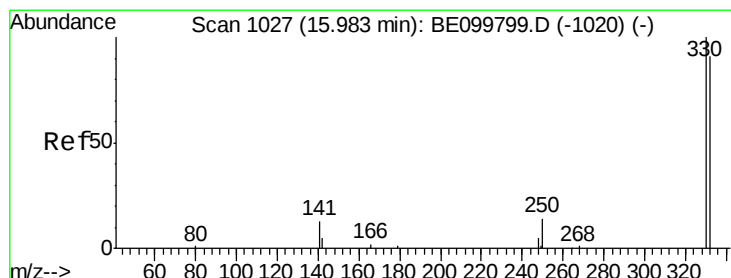
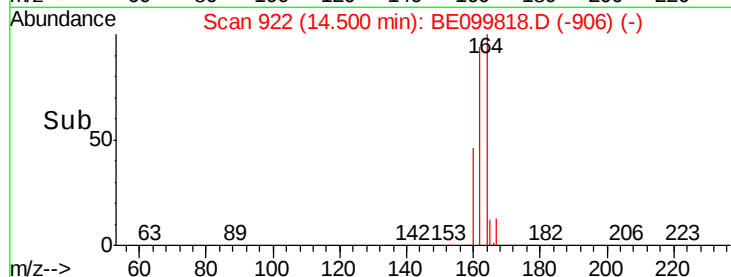
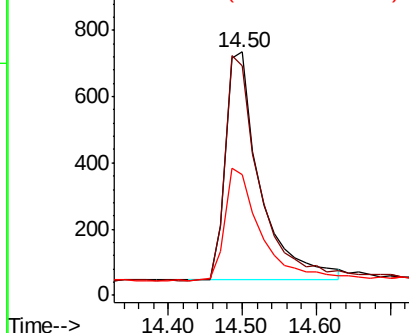


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14  
2,4,6-Tribromophenol  
Concen: 0.200 ng m  
RT: 16.08 min Scan# 1034  
Delta R.T. 0.10 min  
Lab File: BE099818.D  
Acq: 6 Jun 2019 11:43

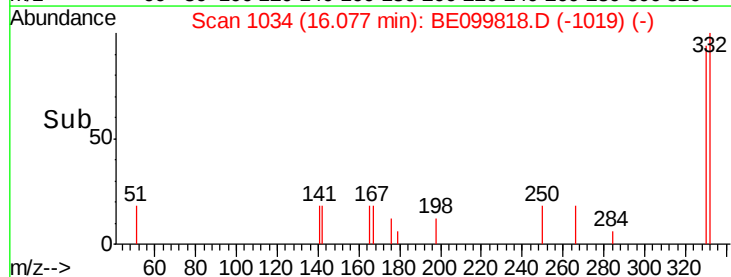
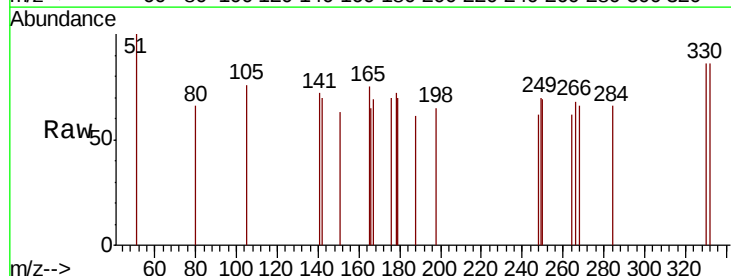
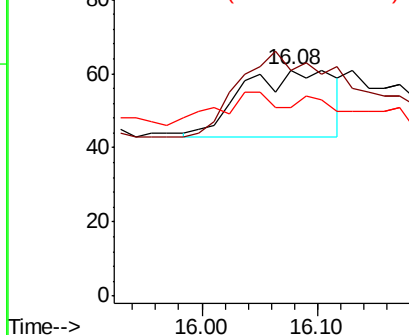
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 0.0   | 74.9  | 112.3# |
| 141     | 33.7  | 16.0  | 24.0#  |

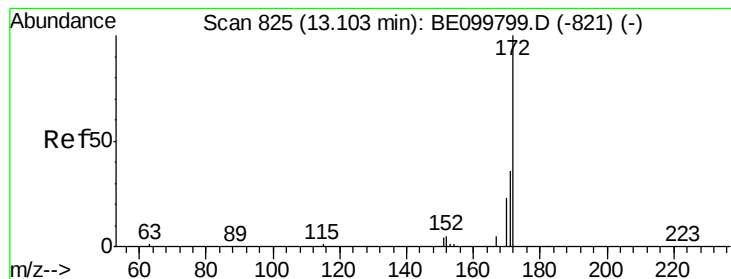
Abundance

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





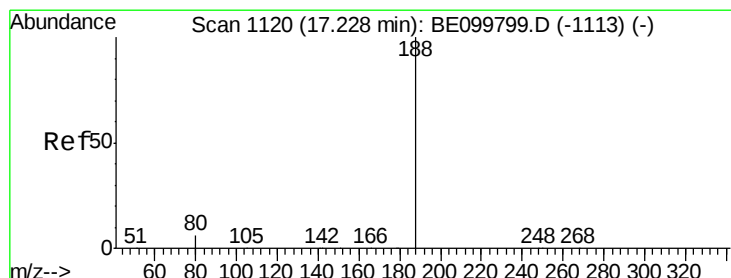
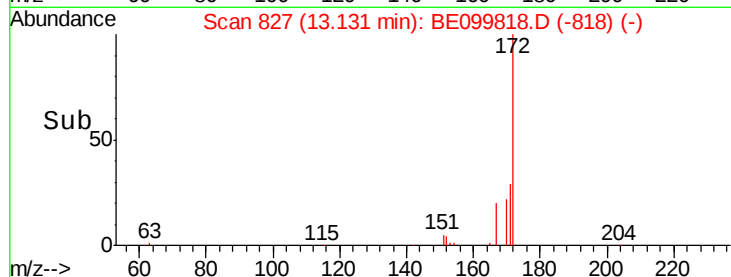
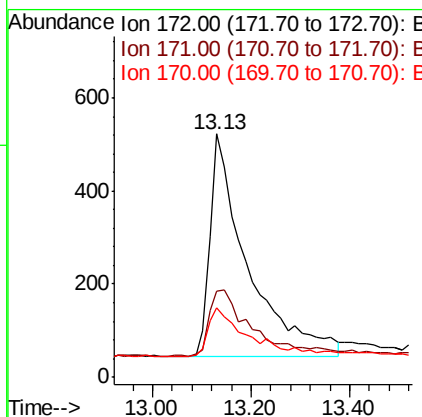
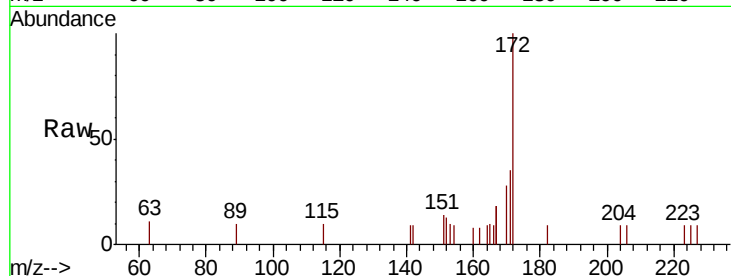
#15  
2-Fluorobiphenyl  
Concen: 0.301 ng  
RT: 13.13 min Scan# 827  
Delta R.T. 0.03 min  
Lab File: BE099818.D  
Acq: 6 Jun 2019 11:43

Instrument :  
BNA\_E  
ClientSampleId :  
PB120350BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 30.2  | 45.4  |
| 170     | 28.5  | 20.1  | 30.1  |

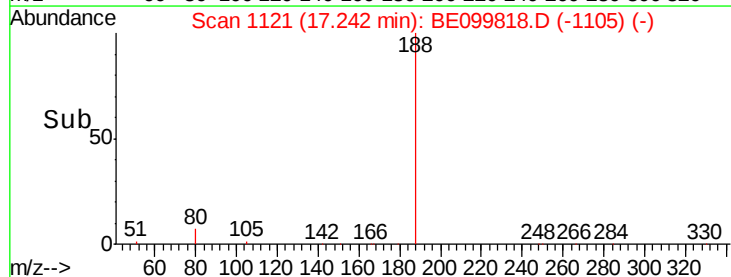
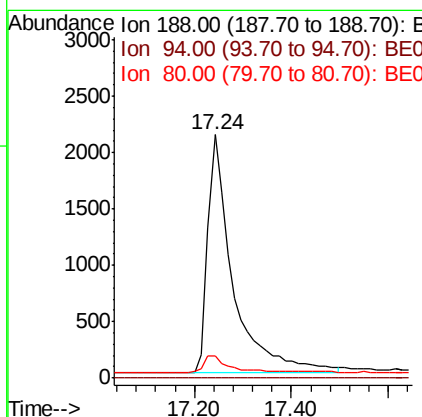
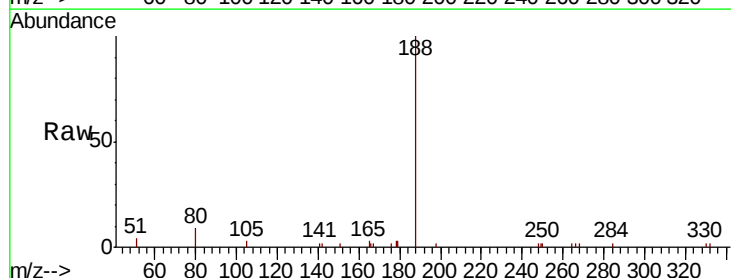
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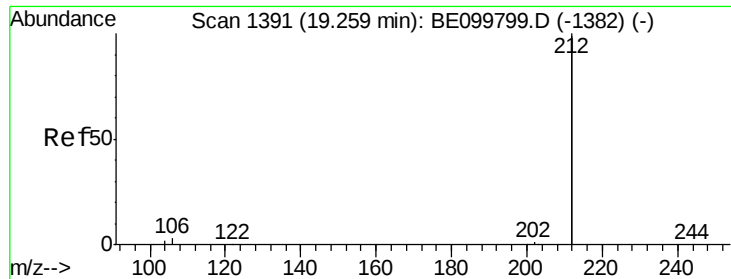
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#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.24 min Scan# 1121  
Delta R.T. 0.01 min  
Lab File: BE099818.D  
Acq: 6 Jun 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 8.8   | 5.2   | 7.8#  |





#25

Fluoranthene-d10

Concen: 0.365 ng

RT: 19.27 min Scan# 1393

Delta R.T. 0.01 min

Lab File: BE099818.D

Acq: 6 Jun 2019 11:43

Instrument :

BNA\_E

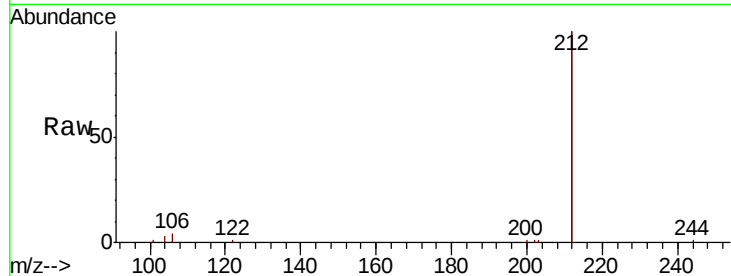
ClientSampleId :

PB120350BL

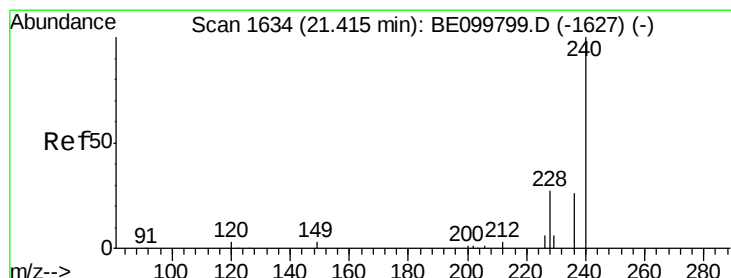
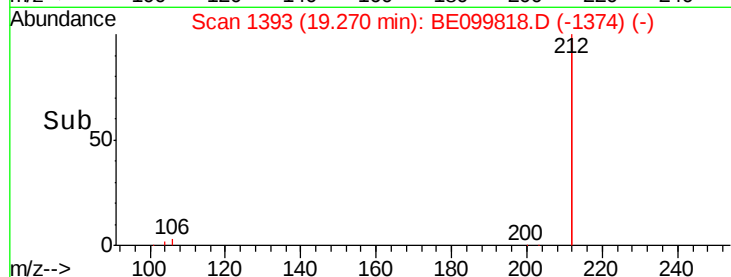
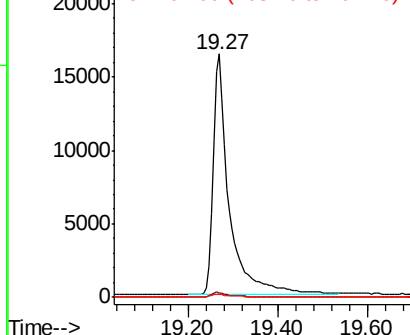
|             |       |       |
|-------------|-------|-------|
| Tot Ion:212 | Resp: | 41023 |
| Ion Ratio   | Lower | Upper |
| 212 100     |       |       |
| 106 1.8     | 1.4   | 2.0   |
| 104 1.0     | 0.8   | 1.2   |

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Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1635

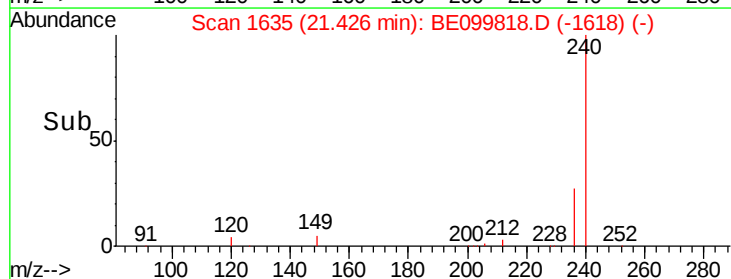
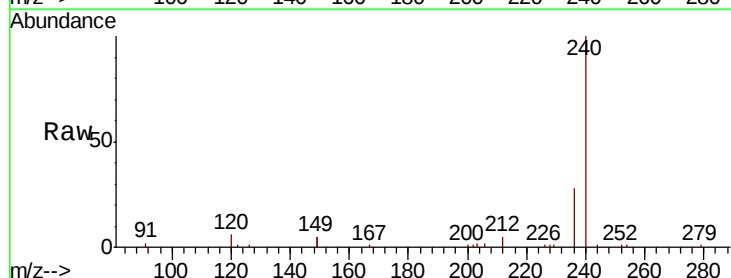
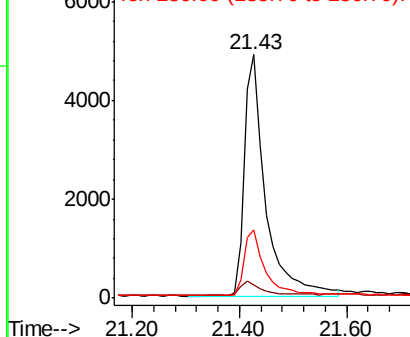
Delta R.T. 0.01 min

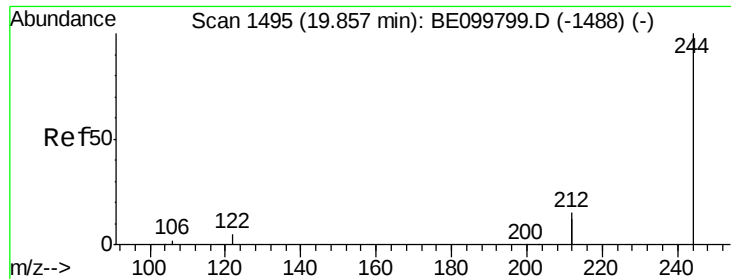
Lab File: BE099818.D

Acq: 6 Jun 2019 11:43

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:240 | Resp: | 13491 |
| Ion Ratio   | Lower | Upper |
| 240 100     |       |       |
| 120 5.6     | 2.8   | 4.2#  |
| 236 27.9    | 20.9  | 31.3  |

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: 0.373 ng

RT: 19.87 min Scan# 1497

Delta R.T. 0.01 min

Lab File: BE099818.D

Acq: 6 Jun 2019 11:43

Instrument :

BNA\_E

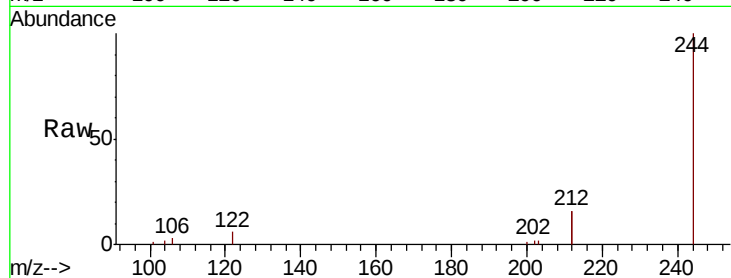
ClientSampleId :

PB120350BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 32.6  | 23.7  | 35.5  |
| 122     | 6.4   | 4.8   | 7.2   |

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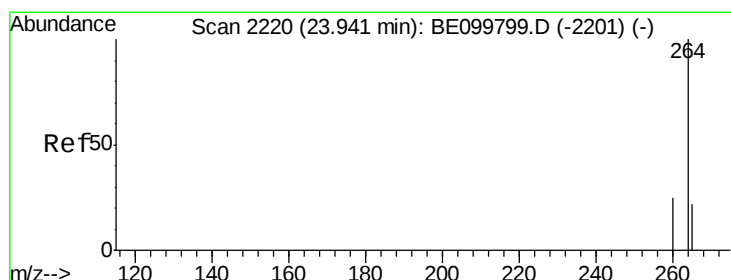
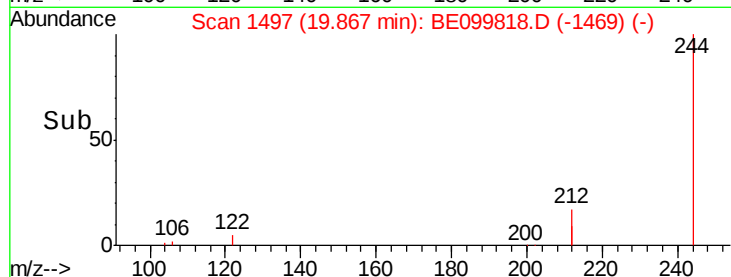
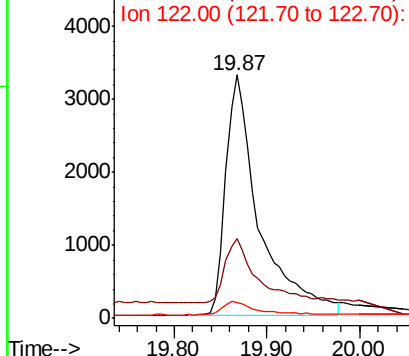


Abundance

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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2224

Delta R.T. 0.01 min

Lab File: BE099818.D

Acq: 6 Jun 2019 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 20.0  | 30.0  |
| 265     | 26.8  | 20.7  | 31.1  |

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

