

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE050219\  
 Data File : BE099514.D  
 Acq On : 3 May 2019 4:20  
 Operator : JU/SJ  
 Sample : K2569-09DL 5X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PST-004-SW019-042319DL

Manual Integrations  
 APPROVED

Sohil  
 5/3/2019 4:24:09 PM

Quant Time: May 03 08:23:18 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE042919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 29 18:36:43 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 2445     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.60 | 136  | 9178     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.46 | 164  | 7005     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.19 | 188  | 22259    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 28018    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.87 | 264  | 31792    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| 4) 2-Fluorophenol           | 5.39  | 112 | 489  | 0.07 | ng | 0.00 |
| 5) Phenol-d6                | 6.98  | 99  | 654  | 0.07 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 499  | 0.06 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.19 | 152 | 695  | 0.04 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.94 | 330 | 259  | 0.06 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.09 | 172 | 1046 | 0.04 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.22 | 212 | 8570 | 0.03 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.82 | 244 | 1871 | 0.04 | ng | 0.00 |

#### Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 9) Naphthalene                 | 10.65 | 128 | 2474   | 0.025 | ng | # 91   |
| 12) 2-Methylnaphthalene        | 12.27 | 142 | 540    | 0.031 | ng | # 88   |
| 18) Fluorene                   | 15.49 | 166 | 744    | 0.026 | ng | # 82   |
| 23) Phenanthrene               | 17.23 | 178 | 36711  | 0.639 | ng | 100    |
| 24) Anthracene                 | 17.32 | 178 | 4903   | 0.090 | ng | 96     |
| 26) Fluoranthene               | 19.25 | 202 | 158117 | 1.838 | ng | 100    |
| 28) Pyrene                     | 19.62 | 202 | 130819 | 1.791 | ng | # 95   |
| 30) Benzo(a)anthracene         | 21.35 | 228 | 76785  | 0.860 | ng | 98     |
| 31) Chrysene                   | 21.40 | 228 | 94246  | 1.079 | ng | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 15032  | 0.048 | ng | # 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.51 | 276 | 57932  | 0.561 | ng | 98     |
| 35) Benzo(b)fluoranthene       | 23.10 | 252 | 115676 | 1.262 | ng | 98     |
| 36) Benzo(k)fluoranthene       | 23.15 | 252 | 44671m | 0.505 | ng |        |
| 37) Benzo(a)pyrene             | 23.76 | 252 | 74277m | 0.857 | ng |        |
| 38) Dibenzo(a,h)anthracene     | 26.54 | 278 | 13553  | 0.153 | ng | # 90   |
| 39) Benzo(g,h,i)perylene       | 27.33 | 276 | 55685  | 0.627 | ng | 99     |

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

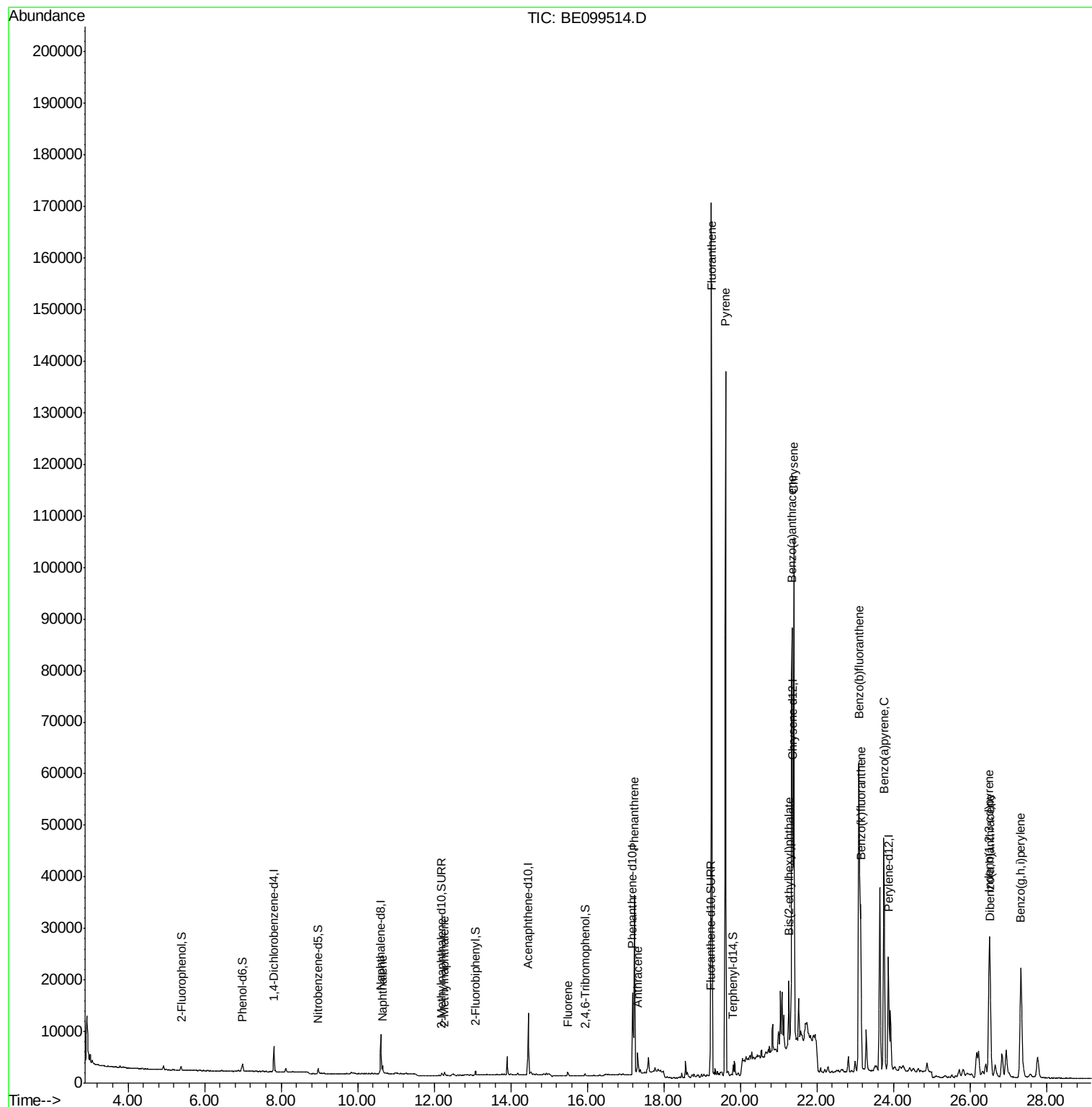
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE050219\  
Data File : BE099514.D  
Acq On : 3 May 2019 4:20  
Operator : JU/SJ  
Sample : K2569-09DL 5X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

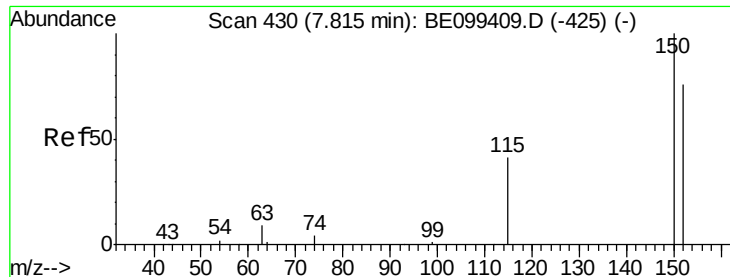
Instrument :  
BNA\_E  
ClientSampleId :  
PST-004-SW019-042319DL

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Quant Time: May 03 08:23:18 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE042919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 29 18:36:43 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099514.D

Acq: 3 May 2019 4:20

Instrument :

BNA\_E

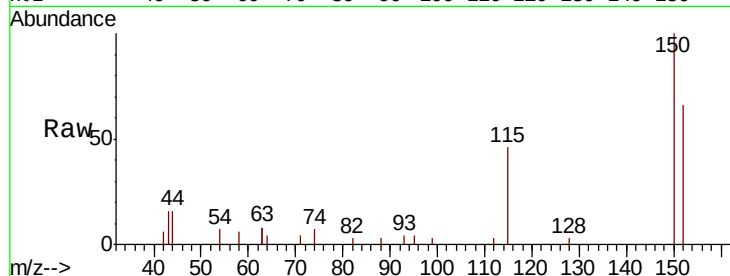
ClientSampleId :

PST-004-SW019-042319DL

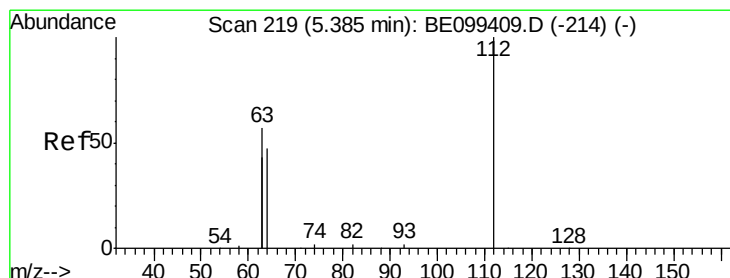
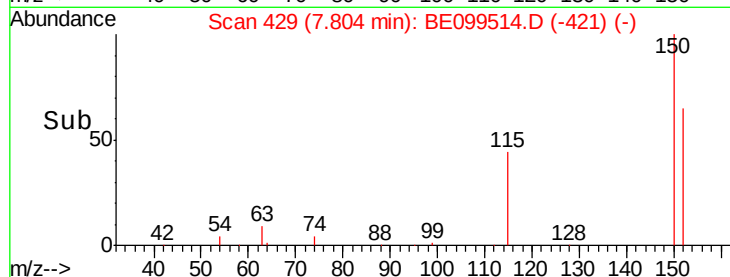
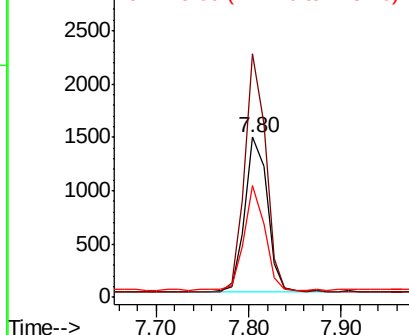
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 2445  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 151.9 | 104.8 | 157.2 |
| 115       | 69.5  | 46.6  | 69.8  |

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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: 0.072 ng

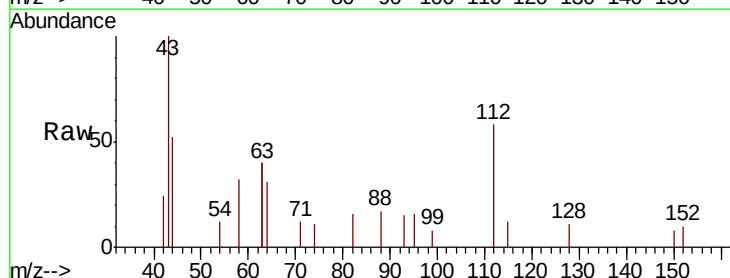
RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

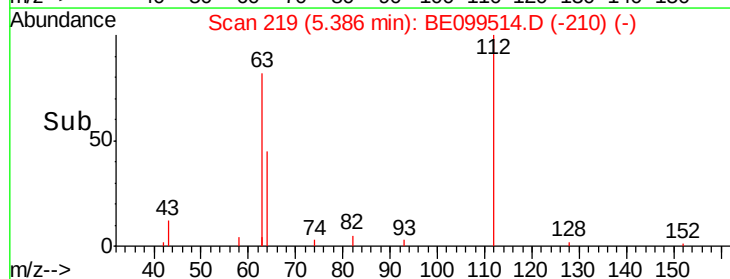
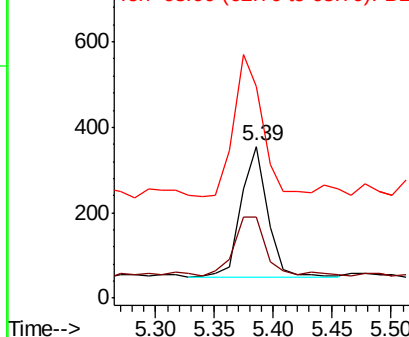
Lab File: BE099514.D

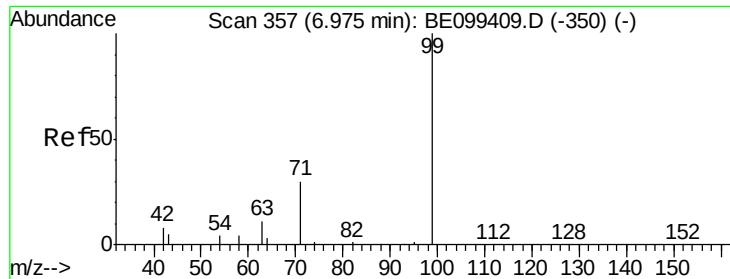
Acq: 3 May 2019 4:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 489   |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 57.7  | 47.4  | 71.0  |
| 63        | 114.1 | 104.3 | 156.5 |



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: 0.073 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099514.D

Acq: 3 May 2019 4:20

Instrument :

BNA\_E

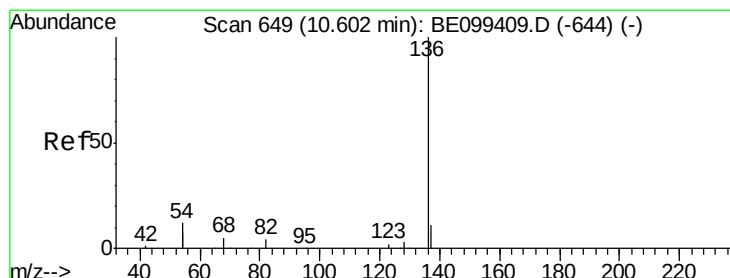
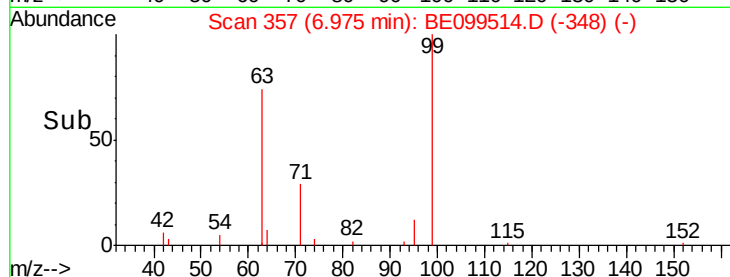
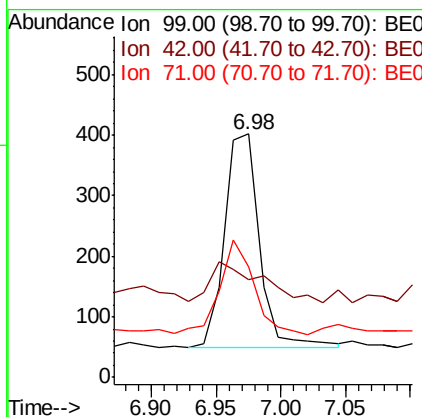
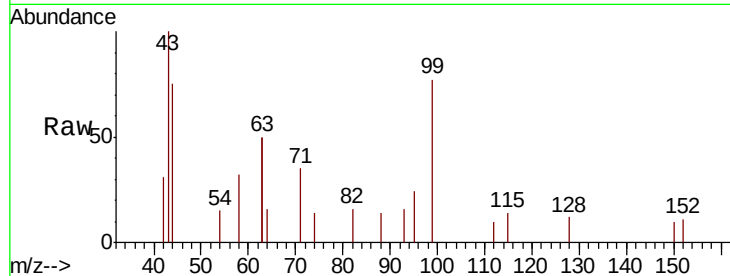
ClientSampleId :

PST-004-SW019-042319DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 654   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 0.0   | 14.9  | 22.3# |
| 71       | 44.3  | 33.0  | 49.6  |

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#7

Naphthalene-d8

Concen: 0.400 ng

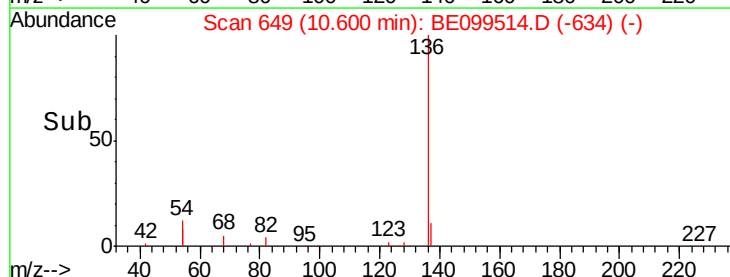
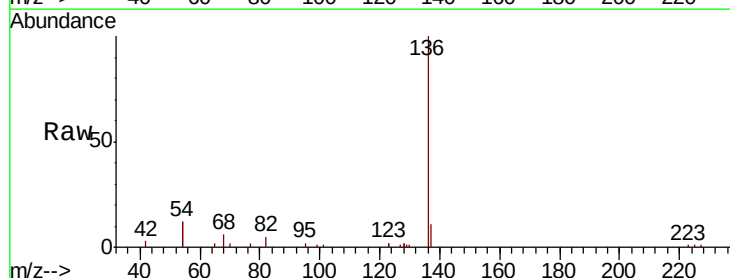
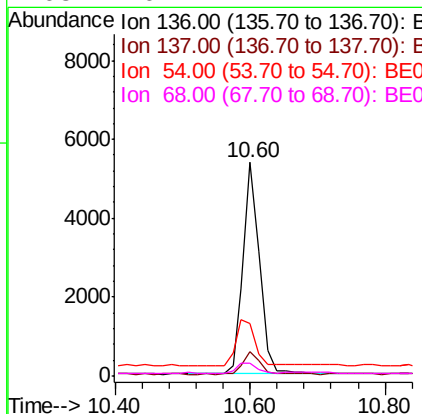
RT: 10.60 min Scan# 649

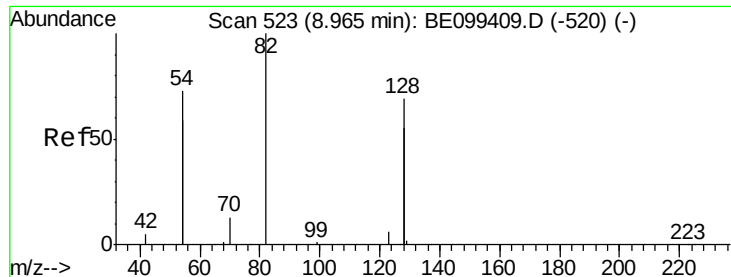
Delta R.T. -0.00 min

Lab File: BE099514.D

Acq: 3 May 2019 4:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 9178  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 9.8   | 14.8  |
| 54       | 24.6  | 18.5  | 27.7  |
| 68       | 6.2   | 4.7   | 7.1   |





#8

Nitrobenzene-d5

Concen: 0.058 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099514.D

Acq: 3 May 2019 4:20

Instrument :

BNA\_E

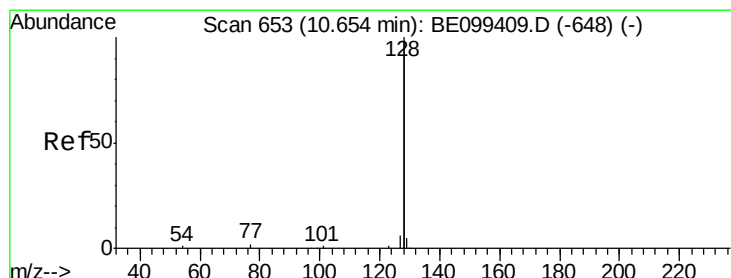
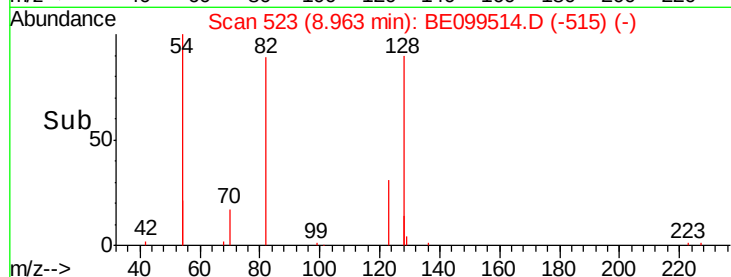
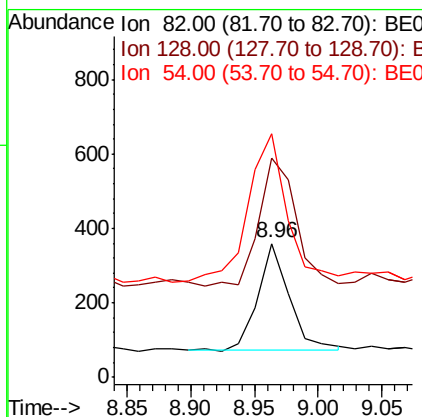
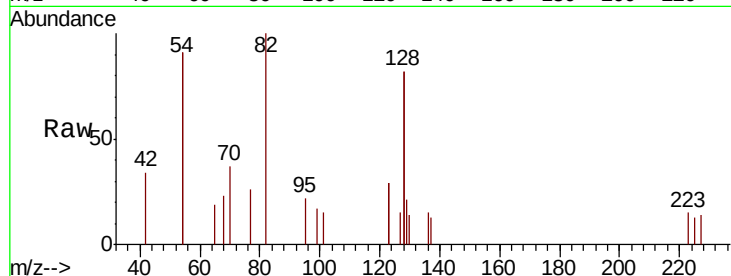
ClientSampleId :

PST-004-SW019-042319DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 499    |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 163.9 | 107.0 | 160.4# |
| 54        | 181.7 | 113.1 | 169.7# |

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#9

Naphthalene

Concen: 0.025 ng

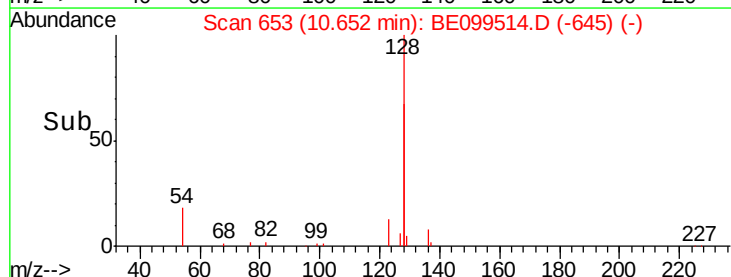
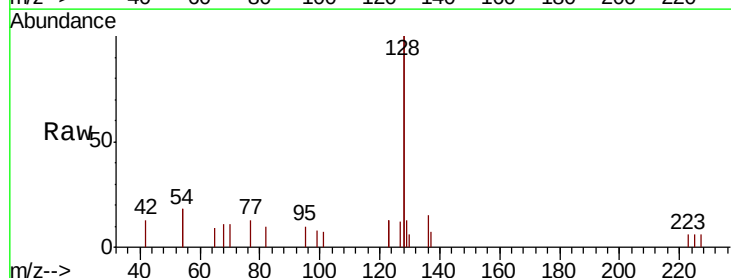
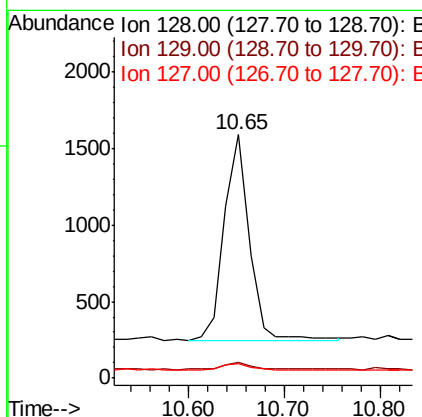
RT: 10.65 min Scan# 653

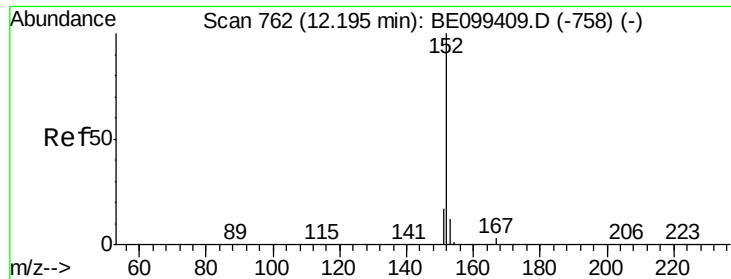
Delta R.T. -0.00 min

Lab File: BE099514.D

Acq: 3 May 2019 4:20

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 2474 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 6.6   | 2.4   | 3.6# |
| 127       | 6.0   | 2.8   | 4.2# |





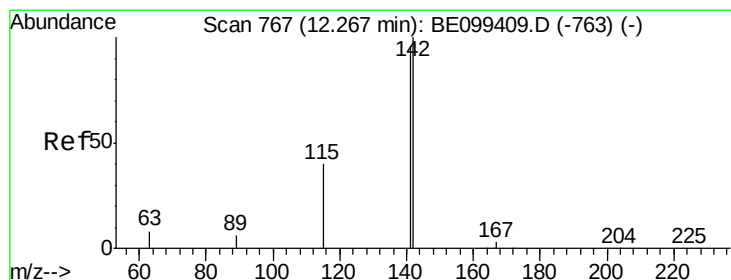
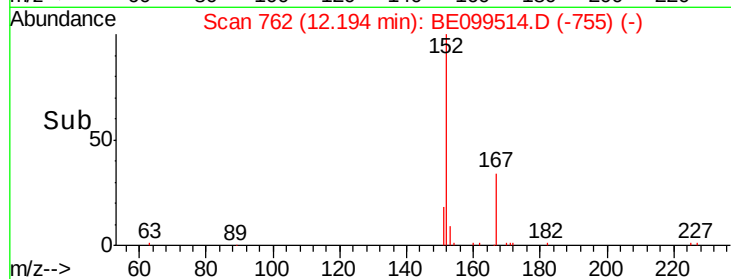
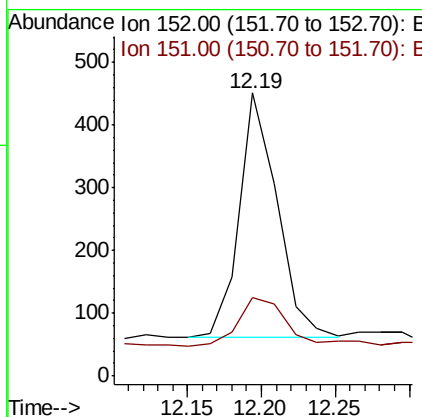
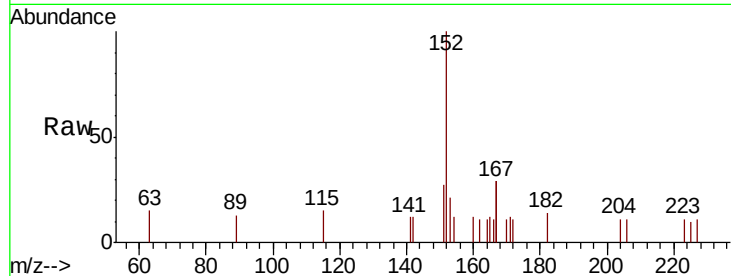
#11  
2-Methylnaphthalene-d10  
Concen: 0.042 ng  
RT: 12.19 min Scan# 762  
Delta R.T. -0.00 min  
Lab File: BE099514.D  
Acq: 3 May 2019 4:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-004-SW019-042319DL

Tgt Ion:152 Resp: 695  
Ion Ratio Lower Upper  
152 100  
151 25.8 15.5 23.3#

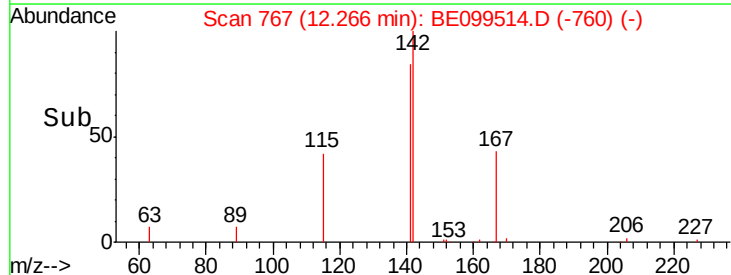
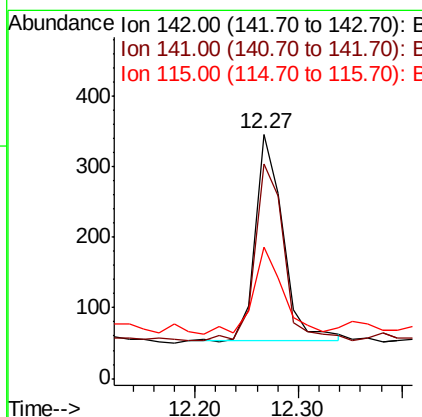
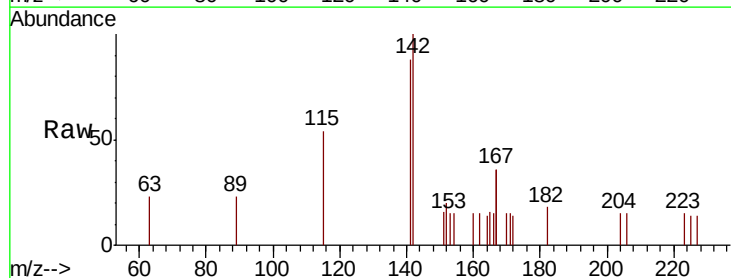
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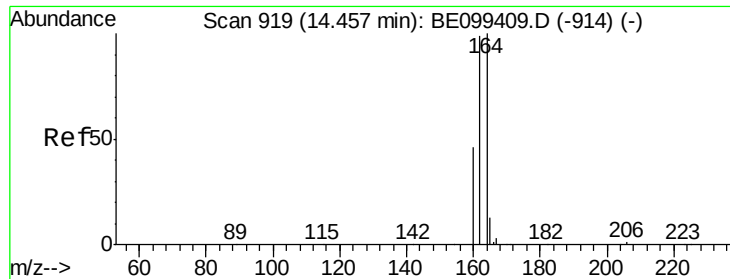
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#12  
2-Methylnaphthalene  
Concen: 0.031 ng  
RT: 12.27 min Scan# 767  
Delta R.T. -0.00 min  
Lab File: BE099514.D  
Acq: 3 May 2019 4:20

Tgt Ion:142 Resp: 540  
Ion Ratio Lower Upper  
142 100  
141 87.9 77.0 115.4  
115 54.0 33.4 50.0#





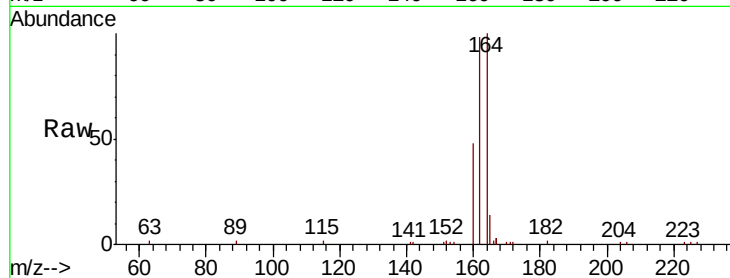
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.46 min Scan# 919  
 Delta R.T. -0.00 min  
 Lab File: BE099514.D  
 Acq: 3 May 2019 4:20

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PST-004-SW019-042319DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.8  | 79.0  | 118.4 |
| 160     | 48.0  | 37.0  | 55.4  |

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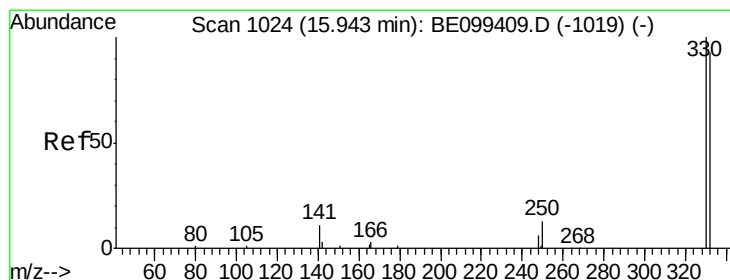
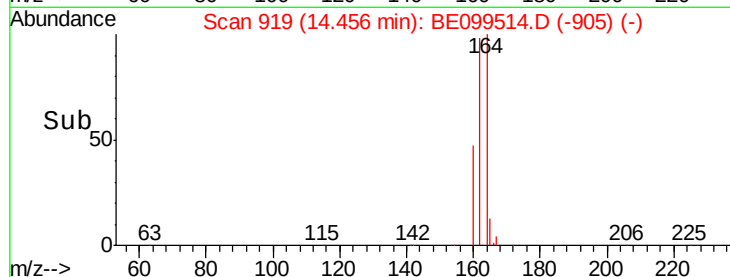
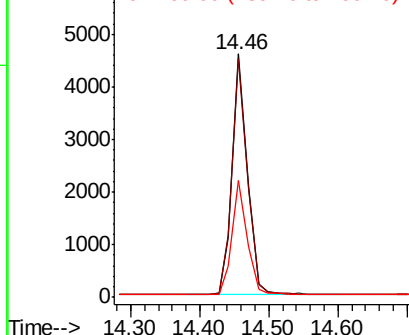


Abundance

Ion 164.00 (163.70 to 164.70): E

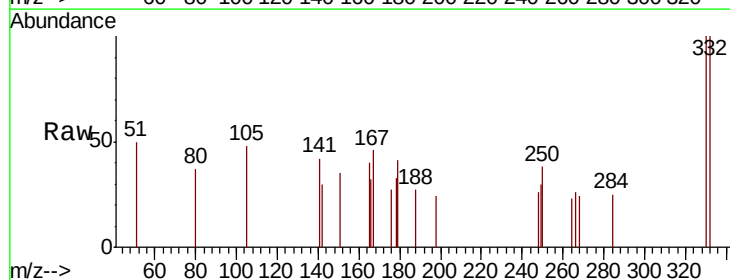
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14  
 2,4,6-Tribromophenol  
 Concen: 0.059 ng  
 RT: 15.94 min Scan# 1024  
 Delta R.T. 0.00 min  
 Lab File: BE099514.D  
 Acq: 3 May 2019 4:20

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 111.6 | 71.5  | 107.3# |
| 141     | 48.3  | 24.0  | 36.0#  |

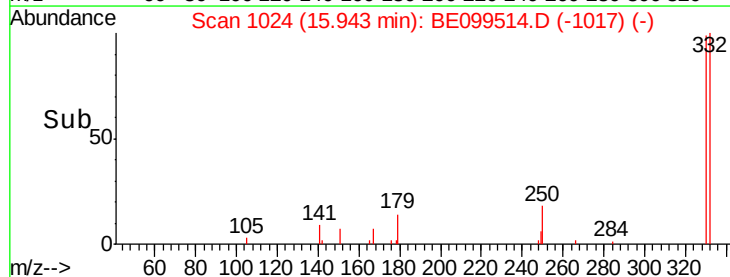
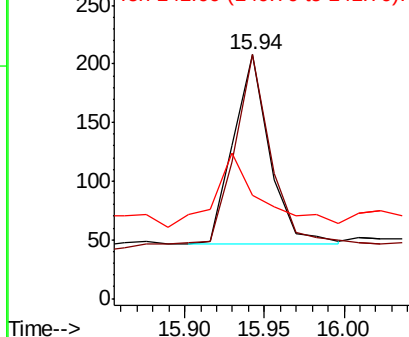


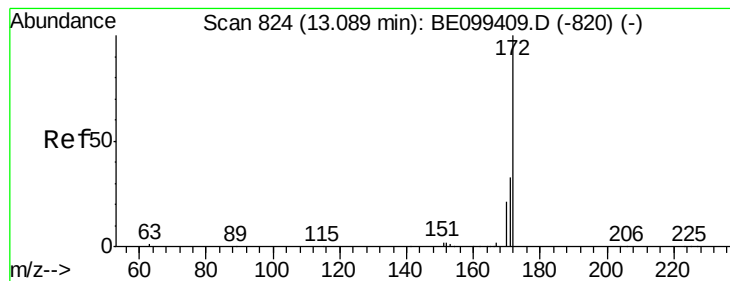
Abundance

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





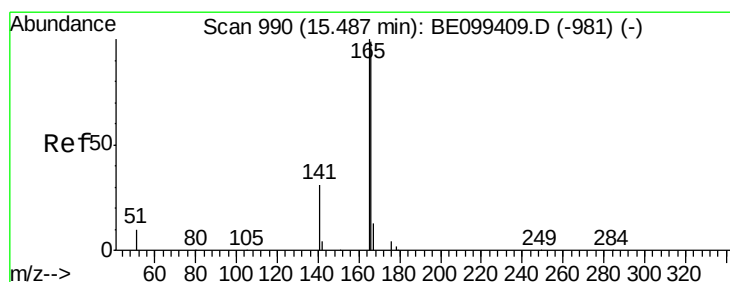
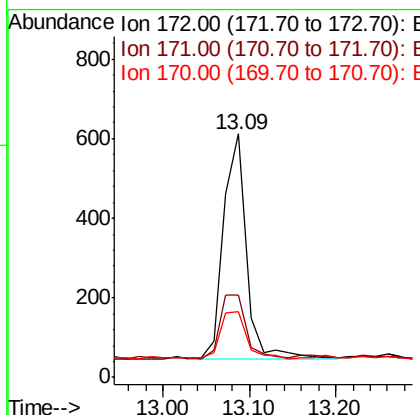
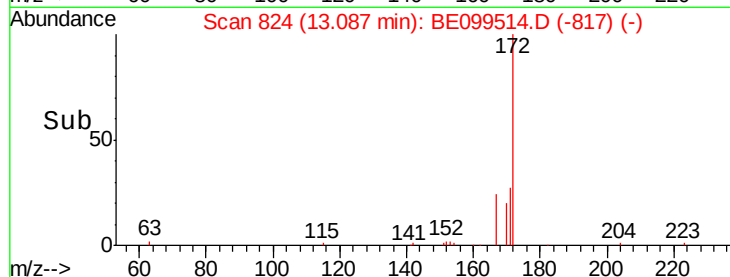
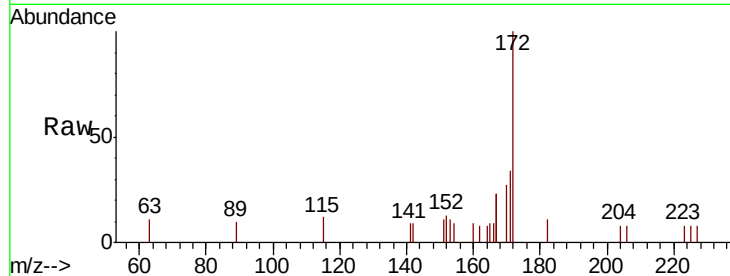
#15  
2-Fluorobiphenyl  
Concen: 0.039 ng  
RT: 13.09 min Scan# 824  
Delta R.T. -0.00 min  
Lab File: BE099514.D  
Acq: 3 May 2019 4:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-004-SW019-042319DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.7  | 26.6  | 39.8  |
| 170     | 27.0  | 17.0  | 25.6  |

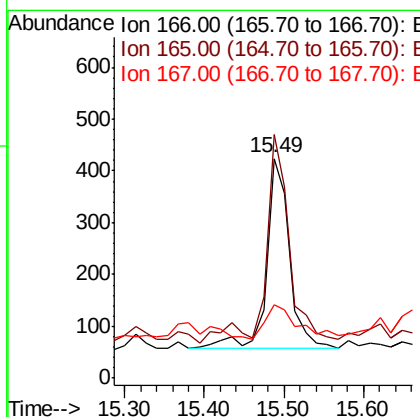
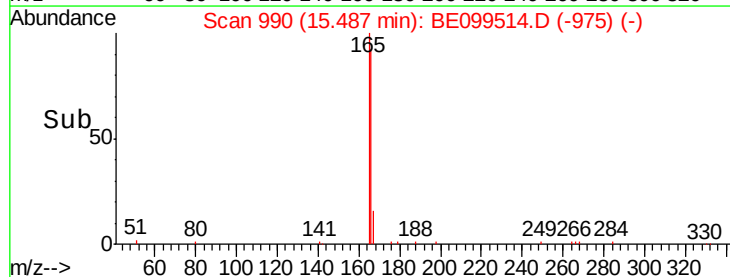
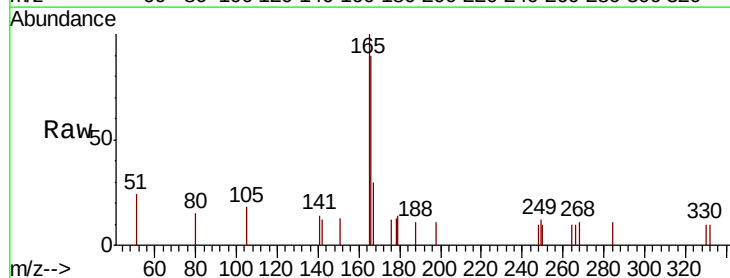
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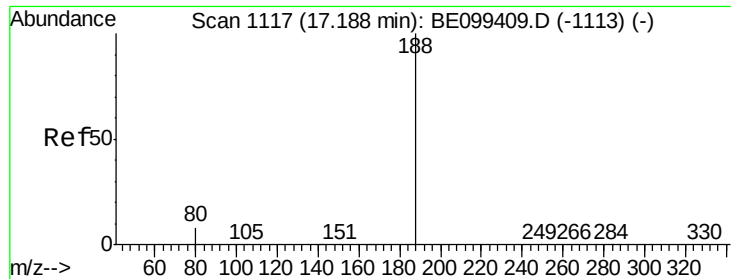


#18  
Fluorene  
Concen: 0.026 ng  
RT: 15.49 min Scan# 990  
Delta R.T. 0.00 min  
Lab File: BE099514.D  
Acq: 3 May 2019 4:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 116.7 | 80.3  | 120.5 |
| 167     | 27.0  | 10.7  | 16.1  |







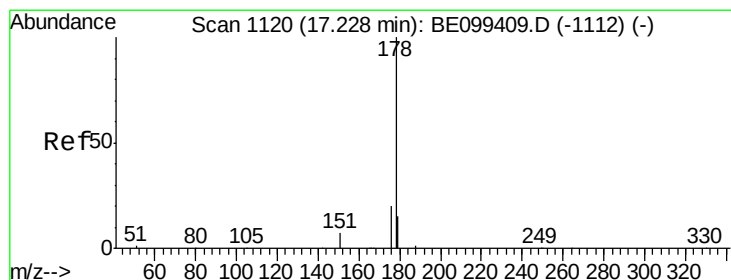
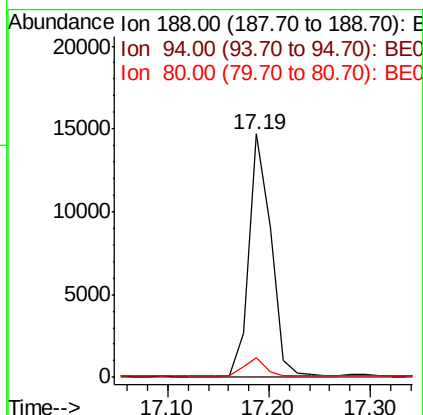
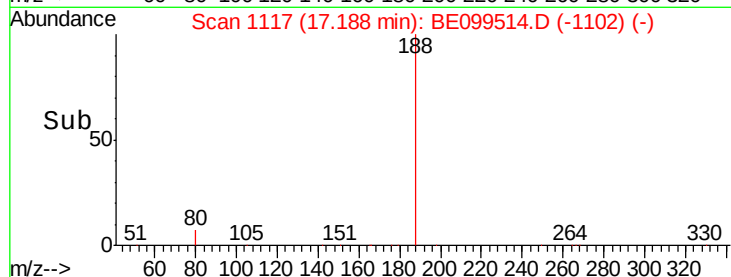
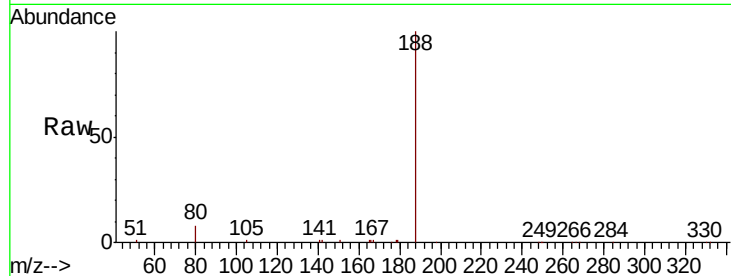
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.19 min Scan# 1117  
Delta R.T. 0.00 min  
Lab File: BE099514.D  
Acq: 3 May 2019 4:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-004-SW019-042319DL

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 0.0   | 0.0        | 0.0        |
| 80      | 7.9   | 6.7        | 10.1       |

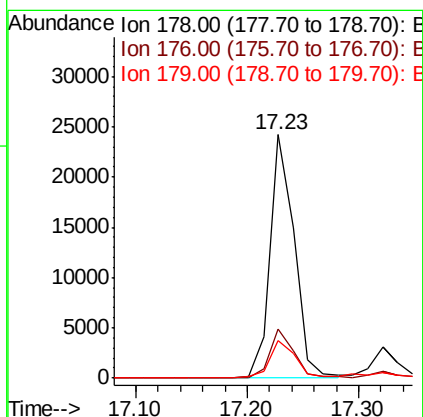
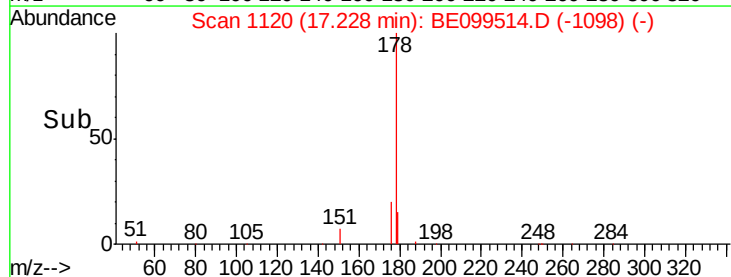
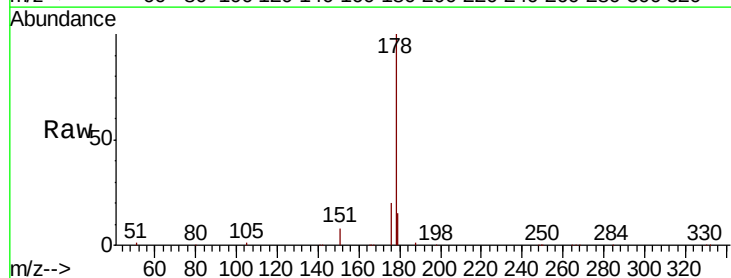
Manual Integrations  
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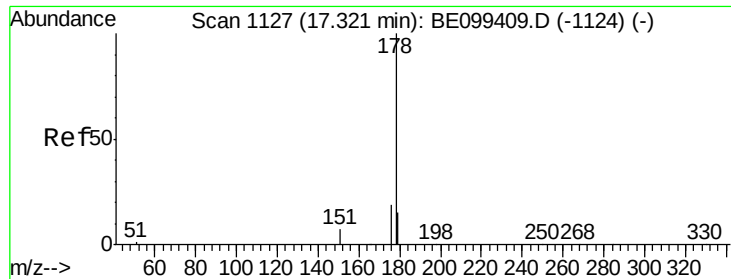
Sohil  
5/3/2019 4:24:09 PM



#23  
Phenanthrene  
Concen: 0.639 ng  
RT: 17.23 min Scan# 1120  
Delta R.T. 0.00 min  
Lab File: BE099514.D  
Acq: 3 May 2019 4:20

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 178     | 100   |            |            |
| 176     | 19.5  | 15.6       | 23.4       |
| 179     | 15.2  | 12.0       | 18.0       |





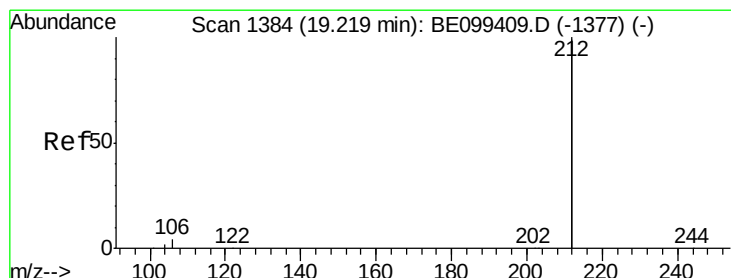
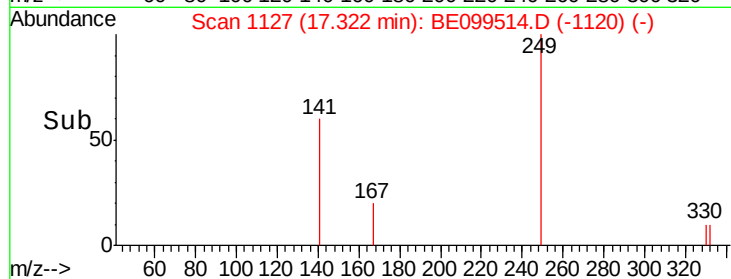
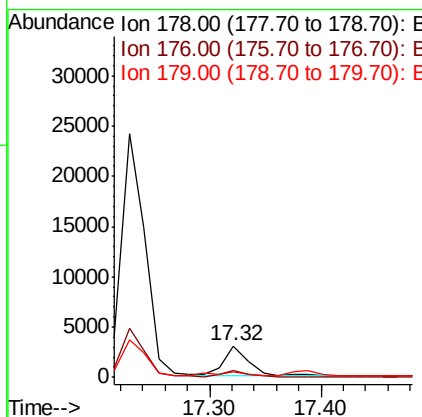
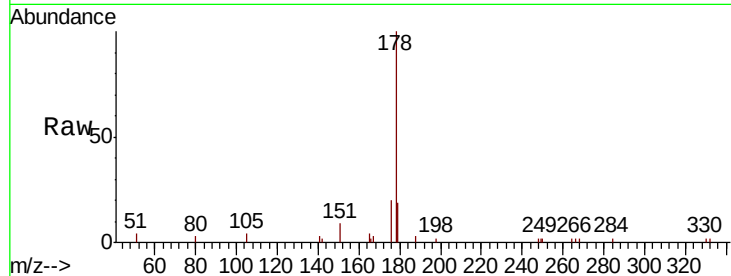
#24  
 Anthracene  
 Concen: 0.090 ng  
 RT: 17.32 min Scan# 1127  
 Delta R.T. 0.00 min  
 Lab File: BE099514.D  
 Acq: 3 May 2019 4:20

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PST-004-SW019-042319DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 4903 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 16.8  | 14.9  | 22.3 |
| 179       | 16.6  | 11.9  | 17.9 |

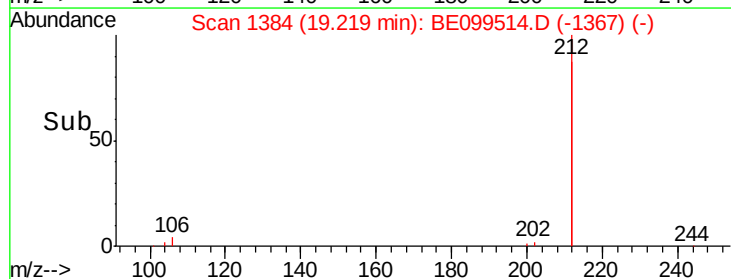
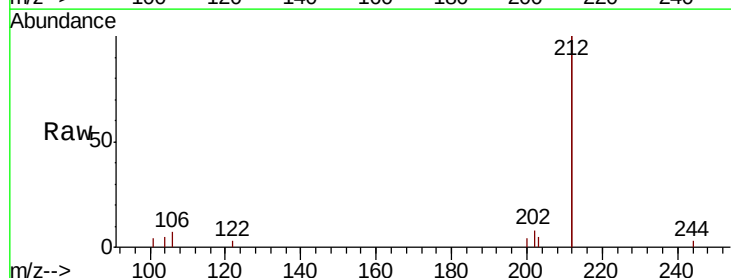
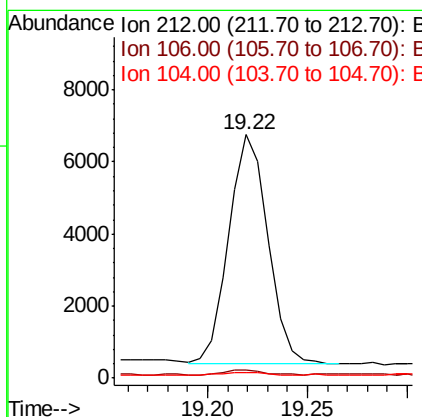
Manual Integrations  
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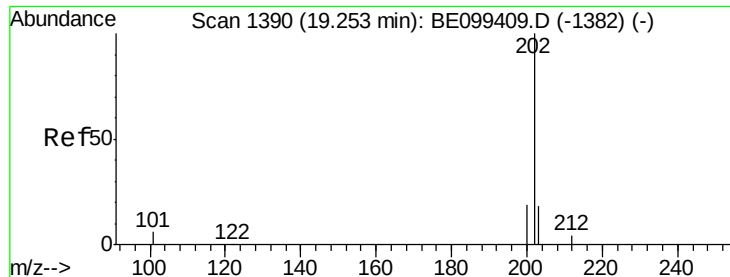
Sohil  
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#25  
 Fluoranthene-d10  
 Concen: 0.029 ng  
 RT: 19.22 min Scan# 1384  
 Delta R.T. 0.00 min  
 Lab File: BE099514.D  
 Acq: 3 May 2019 4:20

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 212   | Resp: | 8570 |
| Ion Ratio | Lower | Upper |      |
| 212       | 100   |       |      |
| 106       | 2.2   | 1.5   | 2.3  |
| 104       | 1.6   | 0.9   | 1.3# |





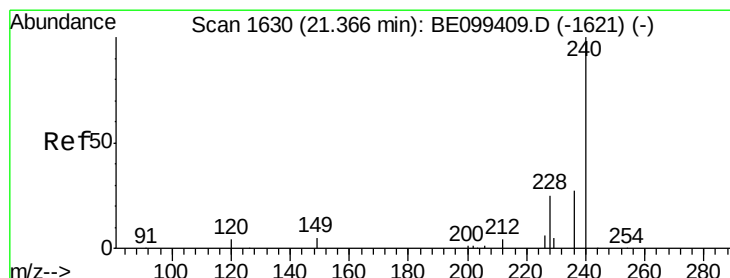
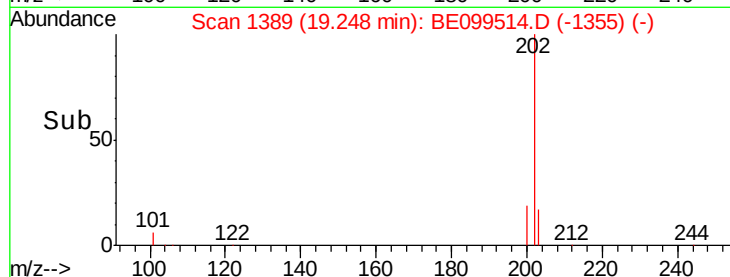
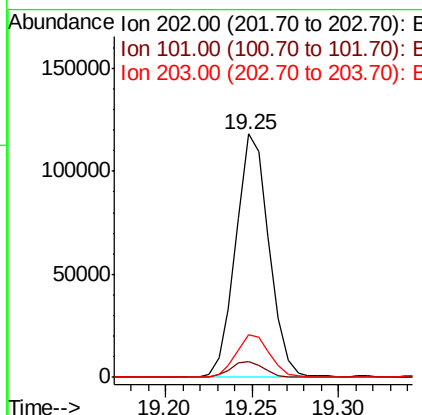
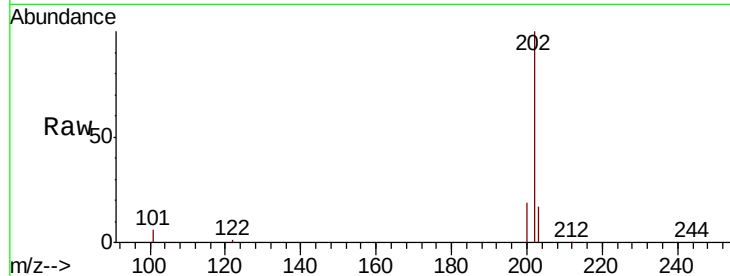
#26  
Fluoranthene  
Concen: 1.838 ng  
RT: 19.25 min Scan# 1389  
Delta R.T. -0.01 min  
Lab File: BE099514.D  
Acq: 3 May 2019 4:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-004-SW019-042319DL

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 6.4   | 5.4        | 8.0        |
| 203     | 17.4  | 13.9       | 20.9       |

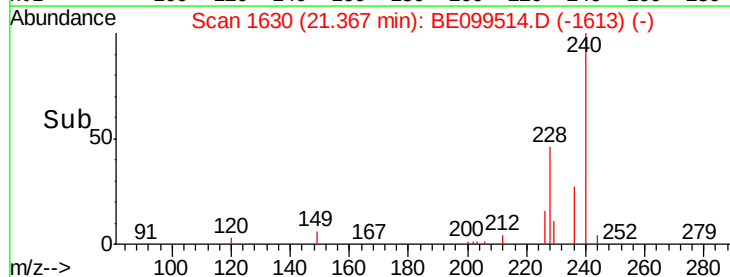
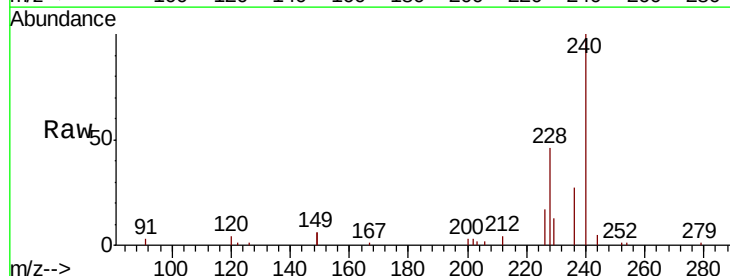
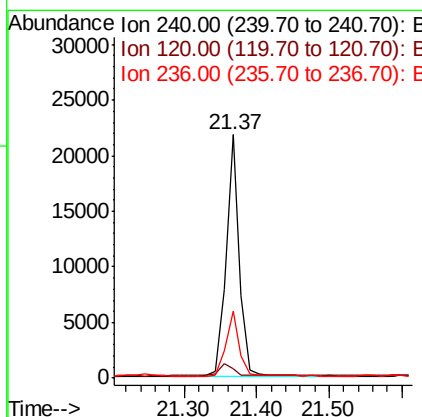
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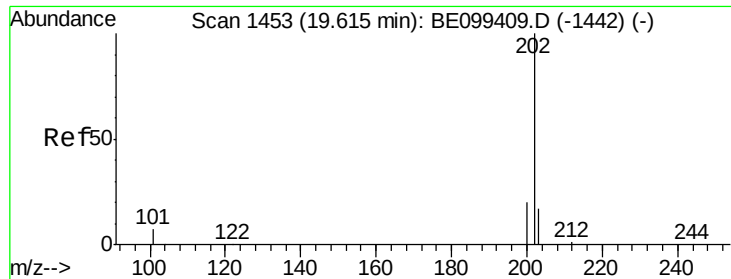
Sohil  
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#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.37 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: BE099514.D  
Acq: 3 May 2019 4:20

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 240     | 100   |            |            |
| 120     | 4.0   | 4.0        | 6.0#       |
| 236     | 27.3  | 22.0       | 33.0       |





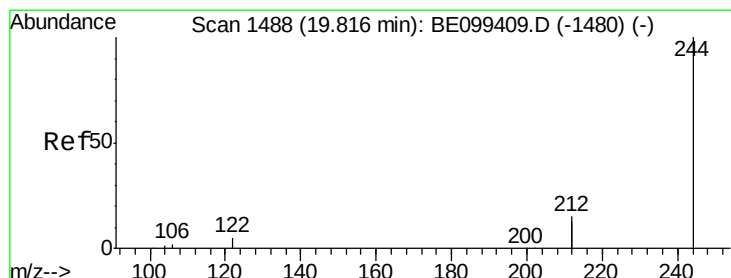
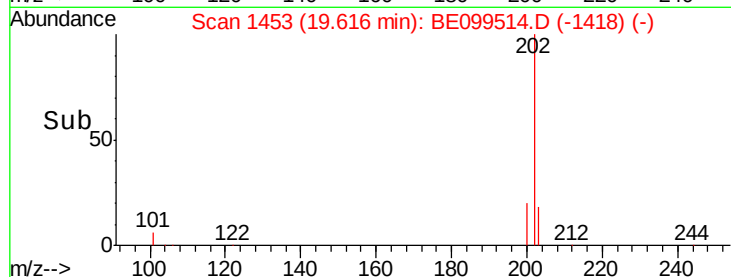
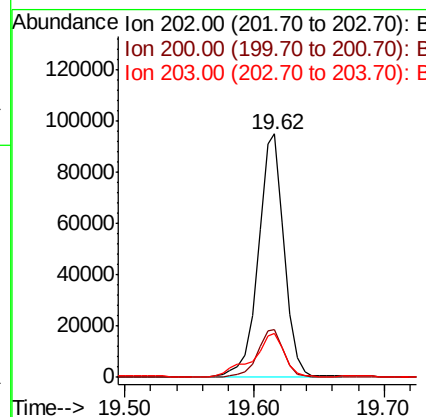
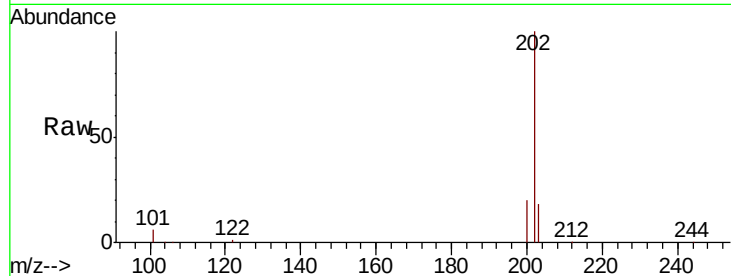
#28  
 Pyrene  
 Concen: 1.791 ng  
 RT: 19.62 min Scan# 1453  
 Delta R.T. 0.00 min  
 Lab File: BE099514.D  
 Acq: 3 May 2019 4:20

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PST-004-SW019-042319DL

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 200     | 20.1  | 15.7       | 23.5       |
| 203     | 21.8  | 13.9       | 20.9       |

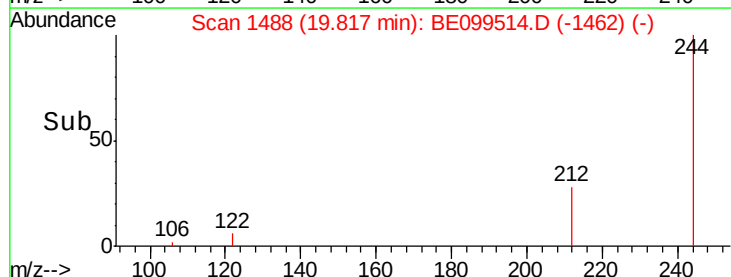
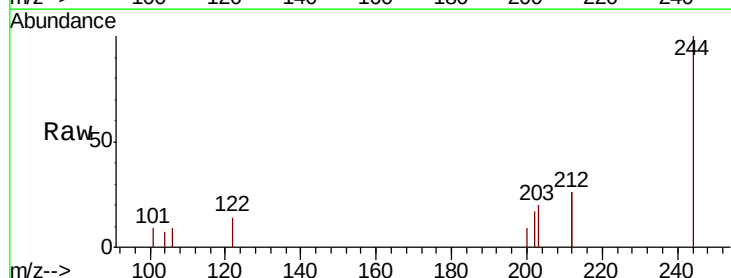
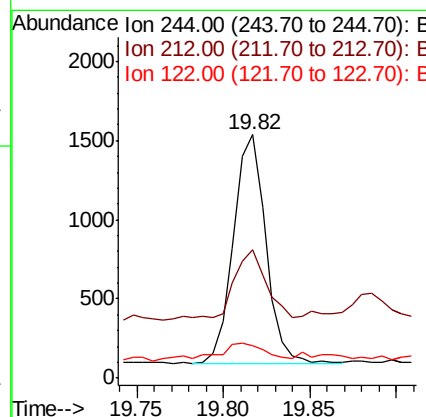
Manual Integrations  
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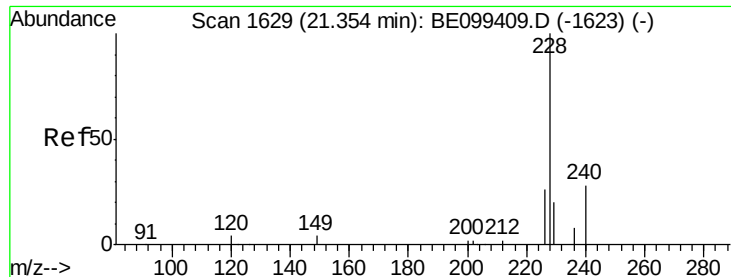
Sohil  
 5/3/2019 4:24:09 PM



#29  
 Terphenyl-d14  
 Concen: 0.036 ng  
 RT: 19.82 min Scan# 1488  
 Delta R.T. 0.00 min  
 Lab File: BE099514.D  
 Acq: 3 May 2019 4:20

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 244     | 100   |            |            |
| 212     | 52.5  | 23.2       | 34.8       |
| 122     | 13.5  | 4.2        | 6.4        |





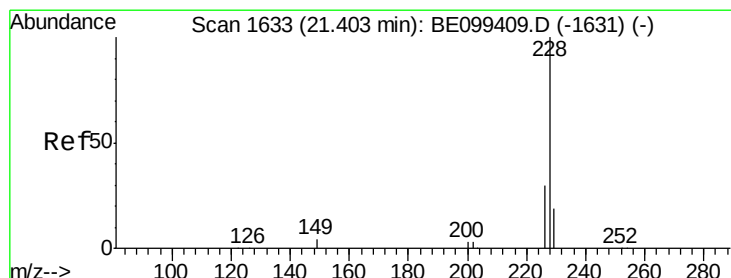
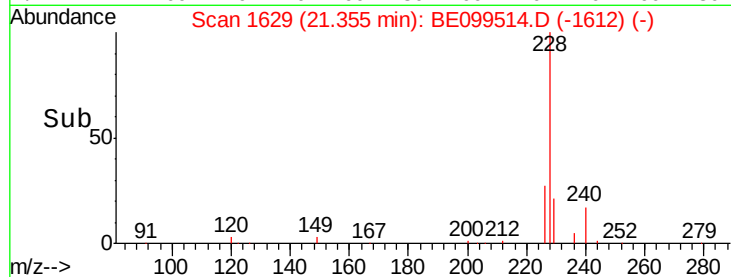
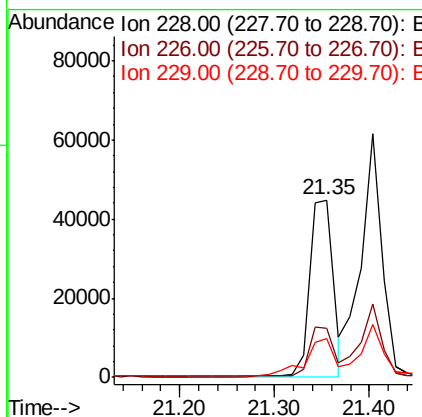
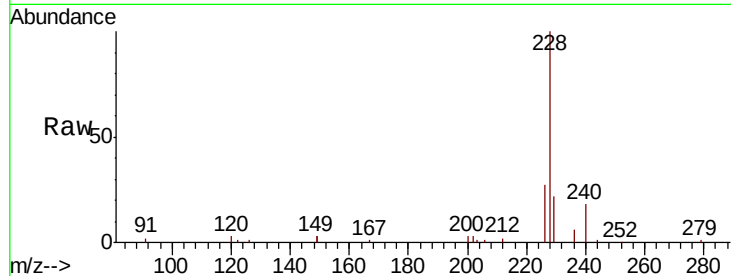
#30  
Benzo(a)anthracene  
Concen: 0.860 ng  
RT: 21.35 min Scan# 1629  
Delta R.T. 0.00 min  
Lab File: BE099514.D  
Acq: 3 May 2019 4:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-004-SW019-042319DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.5  | 21.0  | 31.6  |
| 229     | 21.9  | 16.6  | 25.0  |

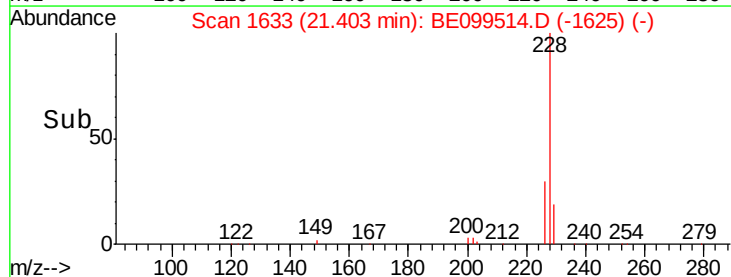
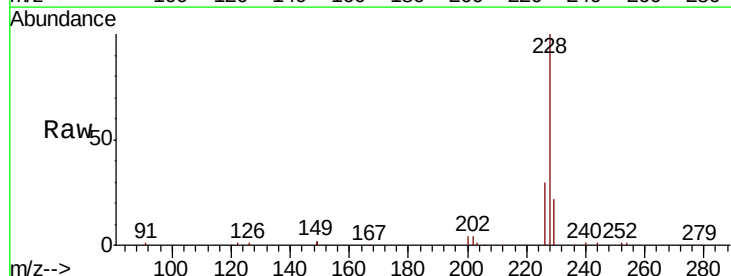
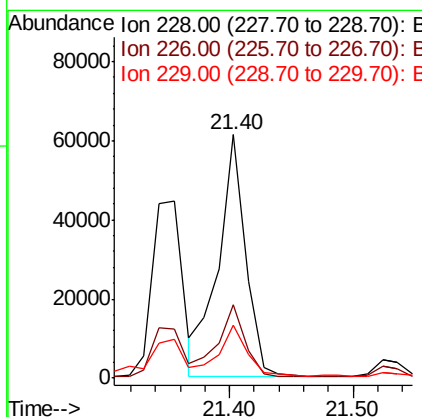
Manual Integrations  
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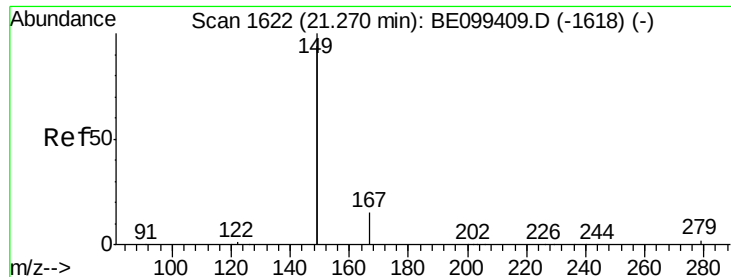
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#31  
Chrysene  
Concen: 1.079 ng  
RT: 21.40 min Scan# 1633  
Delta R.T. 0.00 min  
Lab File: BE099514.D  
Acq: 3 May 2019 4:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.2  | 24.0  | 36.0  |
| 229     | 21.8  | 15.8  | 23.8  |





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.048 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099514.D

Acq: 3 May 2019 4:20

Instrument :

BNA\_E

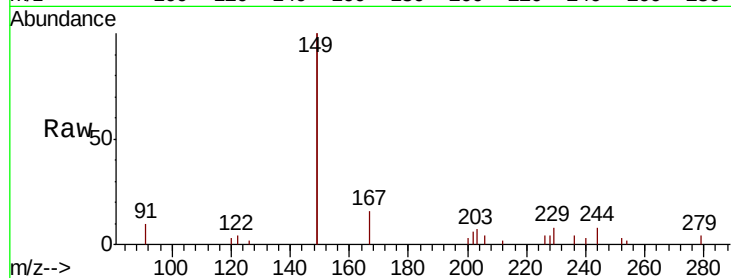
ClientSampleId :

PST-004-SW019-042319DL

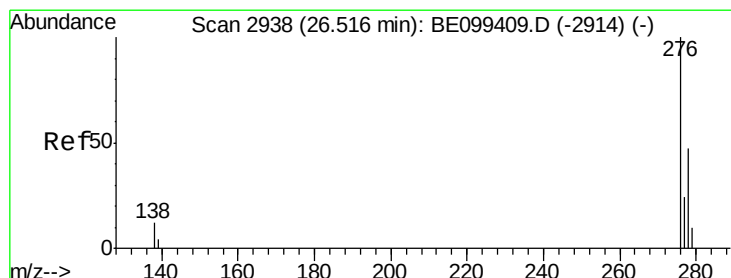
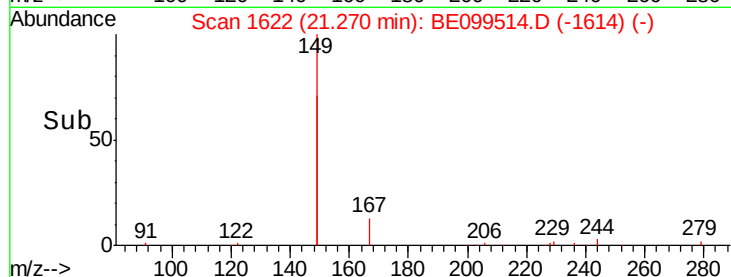
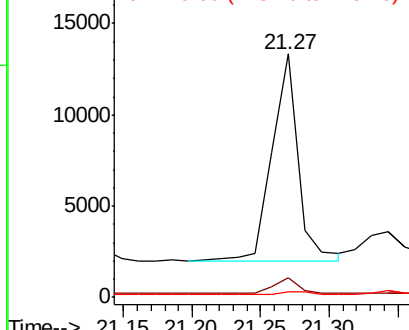
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 15032 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 6.9   | 5.8   | 8.6   |
| 279       | 2.0   | 1.0   | 1.6#  |

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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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.561 ng

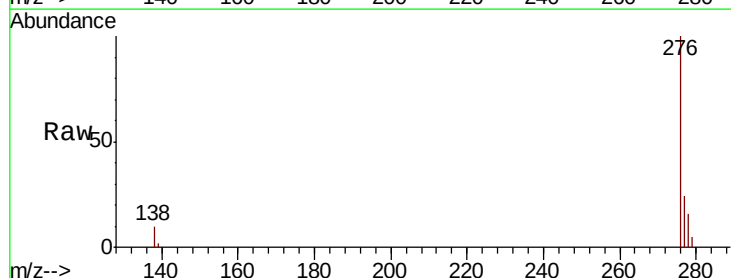
RT: 26.51 min Scan# 2937

Delta R.T. -0.00 min

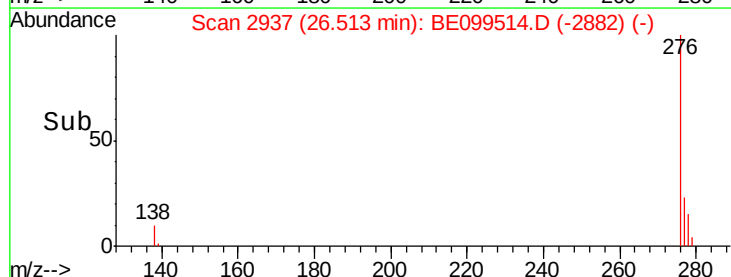
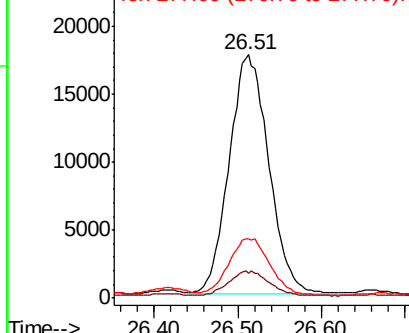
Lab File: BE099514.D

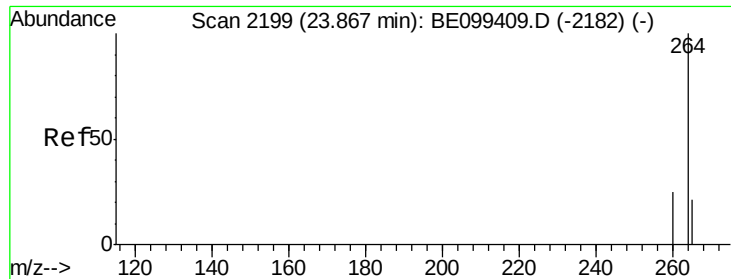
Acq: 3 May 2019 4:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 57932 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 10.4  | 10.2  | 15.2  |
| 277       | 24.3  | 19.2  | 28.8  |



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E





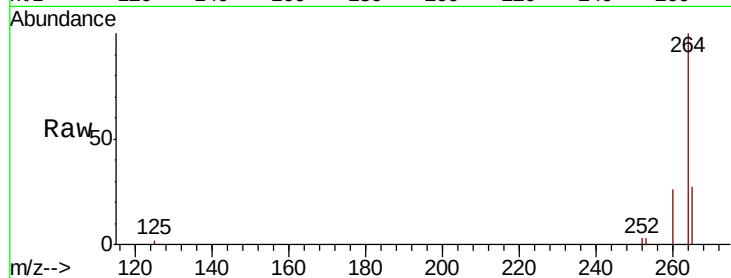
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.87 min Scan# 2200  
 Delta R.T. 0.00 min  
 Lab File: BE099514.D  
 Acq: 3 May 2019 4:20

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PST-004-SW019-042319DL

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 264     | 100   | 31792 |       |       |
| 260     | 25.5  | 20.2  | 30.2  |       |
| 265     | 27.0  | 21.3  | 31.9  |       |

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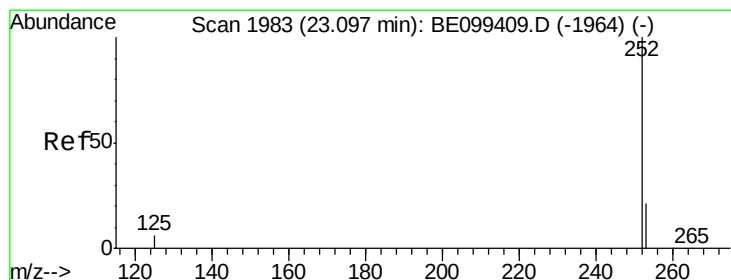
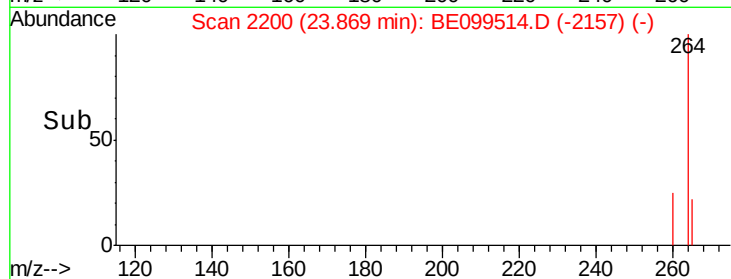
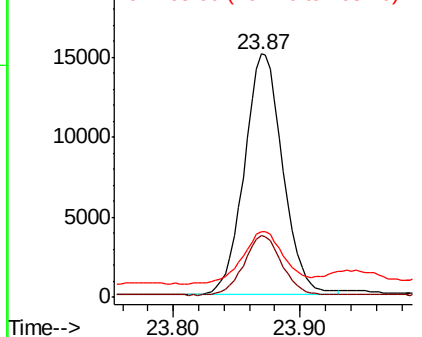


Abundance

Ion 264.00 (263.70 to 264.70): E

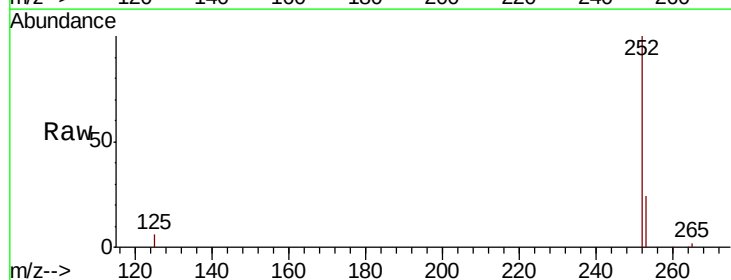
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#35  
 Benzo(b)fluoranthene  
 Concen: 1.262 ng  
 RT: 23.10 min Scan# 1984  
 Delta R.T. 0.00 min  
 Lab File: BE099514.D  
 Acq: 3 May 2019 4:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 115676 |       |       |
| 253     | 23.5  | 18.1   | 27.1  |       |
| 125     | 6.1   | 5.6    | 8.4   |       |

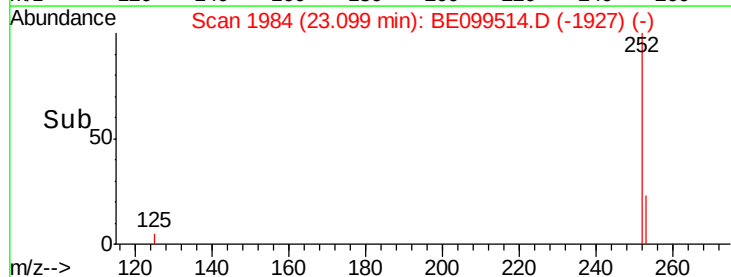
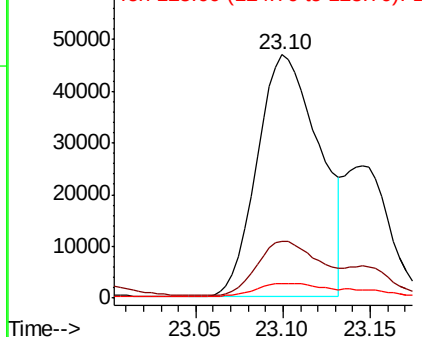


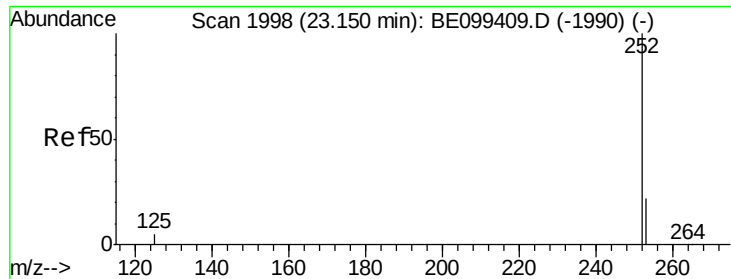
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





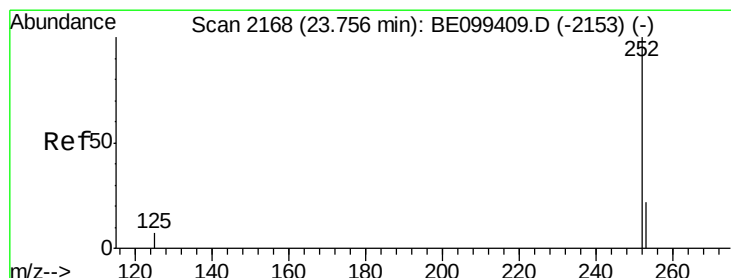
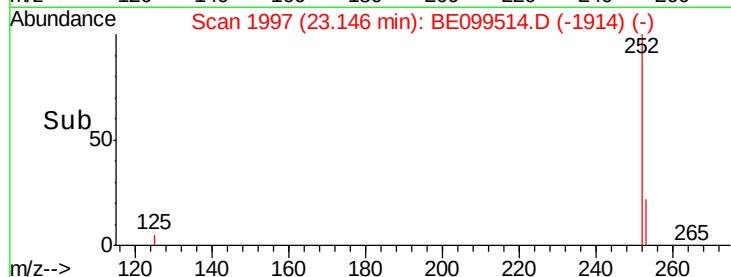
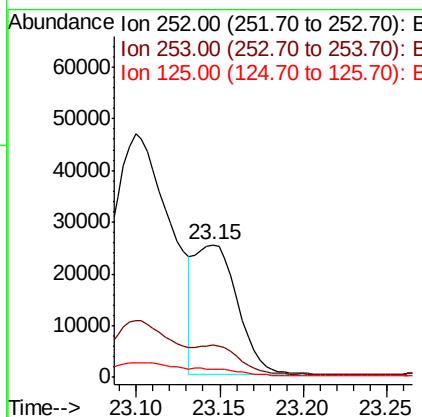
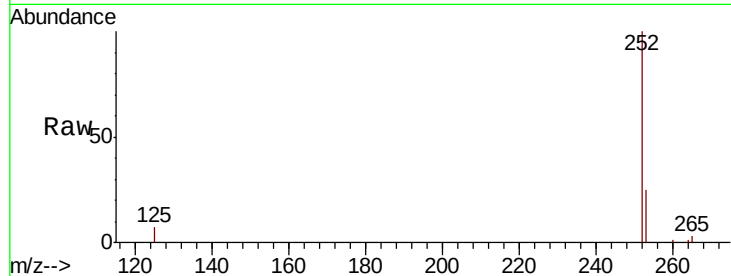
#36  
Benzo(k)fluoranthene  
Concen: 0.505 ng m  
RT: 23.15 min Scan# 1997  
Delta R.T. -0.00 min  
Lab File: BE099514.D  
Acq: 3 May 2019 4:20

Instrument :  
BNA\_E  
ClientSampleId :  
PST-004-SW019-042319DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.5  | 18.4  | 27.6  |
| 125     | 6.6   | 5.0   | 7.4   |

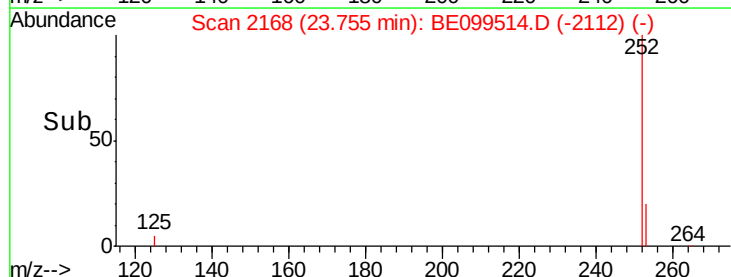
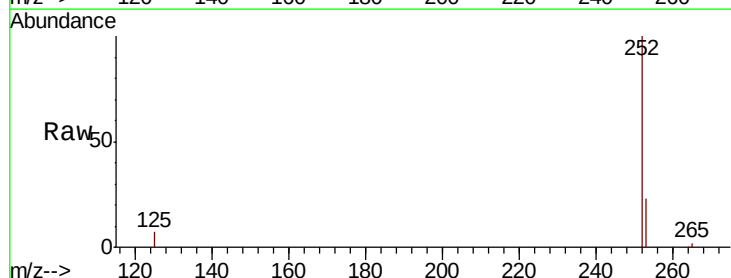
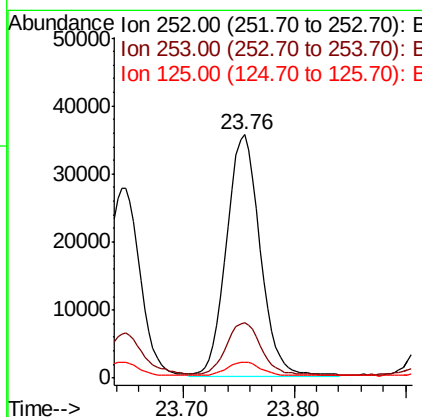
Manual Integrations  
APPROVED

Sohil  
5/3/2019 4:24:09 PM

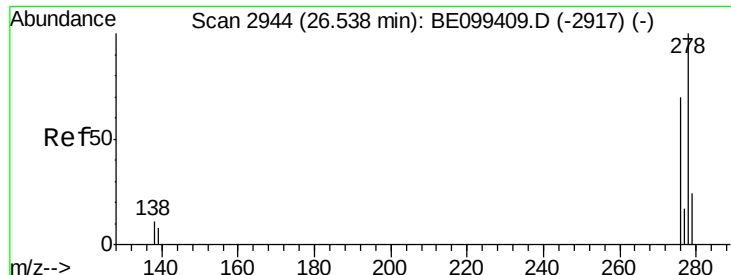


#37  
Benzo(a)pyrene  
Concen: 0.857 ng m  
RT: 23.76 min Scan# 2168  
Delta R.T. -0.00 min  
Lab File: BE099514.D  
Acq: 3 May 2019 4:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 18.9  | 28.3  |
| 125     | 6.5   | 6.7   | 10.1# |







#38

Dibenzo(a,h)anthracene

Concen: 0.153 ng

RT: 26.54 min Scan# 2944

Delta R.T. 0.00 min

Lab File: BE099514.D

Acq: 3 May 2019 4:20

Instrument :

BNA\_E

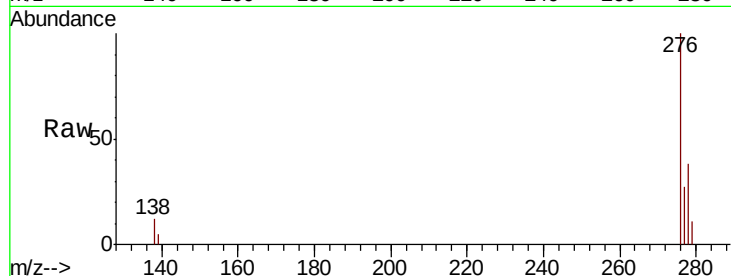
ClientSampleId :

PST-004-SW019-042319DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 13553 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 13.7  | 7.7   | 11.5# |
| 279       | 30.1  | 20.2  | 30.2  |

Manual Integrations  
APPROVED

Sohil  
5/3/2019 4:24:09 PM

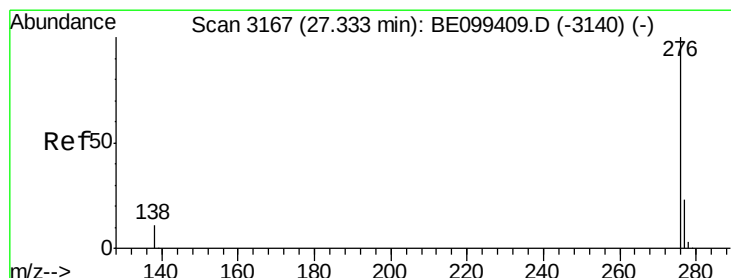
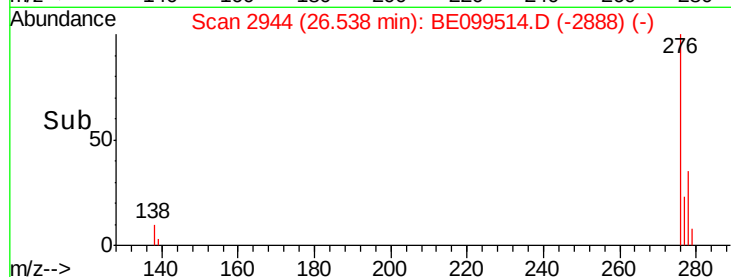
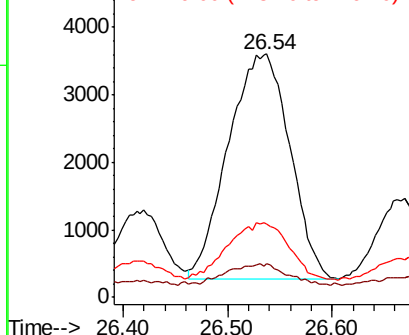


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.627 ng

RT: 27.33 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BE099514.D

Acq: 3 May 2019 4:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 55685 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.1  | 19.5  | 29.3  |
| 138       | 11.4  | 9.6   | 14.4  |

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

