

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050919\  
 Data File : BE099589.D  
 Acq On : 9 May 2019 13:41  
 Operator : JU/SJ  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE050919

Manual Integrations  
 APPROVED

Sohil  
 5/13/2019 8:32:35 PM

Quant Time: May 09 16:06:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 09 13:32:58 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 1388     | 0.40 | ng    | 0.01     |
| 7) Naphthalene-d8         | 10.64 | 136  | 4941     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.50 | 164  | 3212     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 9084     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.43 | 240  | 13131    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.98 | 264  | 15037    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.39  | 112 | 1536  | 0.40 | ng | 0.00 |
| 5) Phenol-d6                | 6.99  | 99  | 1909  | 0.38 | ng | 0.01 |
| 8) Nitrobenzene-d5          | 8.99  | 82  | 1791  | 0.39 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.24 | 152 | 3317  | 0.40 | ng | 0.01 |
| 14) 2,4,6-Tribromophenol    | 16.00 | 330 | 780   | 0.41 | ng | 0.01 |
| 15) 2-Fluorobiphenyl        | 13.12 | 172 | 5104  | 0.41 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.28 | 212 | 48245 | 0.40 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.87 | 244 | 9452  | 0.41 | ng | 0.00 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.30  | 88  | 852    | 0.436  | ng | # 93 |
| 3) n-Nitrosodimethylamine      | 3.64  | 42  | 468    | 0.386  | ng | # 82 |
| 6) bis(2-Chloroethyl)ether     | 7.25  | 93  | 1731   | 0.418  | ng | 88   |
| 9) Naphthalene                 | 10.68 | 128 | 21340  | 0.405  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.96 | 225 | 1514   | 0.398  | ng | 93   |
| 12) 2-Methylnaphthalene        | 12.31 | 142 | 3488   | 0.406  | ng | 96   |
| 16) Acenaphthylene             | 14.23 | 152 | 6176   | 0.397  | ng | 99   |
| 17) Acenaphthene               | 14.56 | 154 | 3492   | 0.402  | ng | 99   |
| 18) Fluorene                   | 15.54 | 166 | 4999   | 0.404  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.44 | 248 | 2002   | 0.386  | ng | # 84 |
| 21) Hexachlorobenzene          | 16.55 | 284 | 2111   | 0.406  | ng | 99   |
| 22) Pentachlorophenol          | 16.91 | 266 | 634    | 0.467  | ng | 97   |
| 23) Phenanthrene               | 17.28 | 178 | 9137   | 0.405  | ng | 99   |
| 24) Anthracene                 | 17.38 | 178 | 8306   | 0.392  | ng | 99   |
| 26) Fluoranthene               | 19.31 | 202 | 13857  | 0.408  | ng | 100  |
| 28) Pyrene                     | 19.67 | 202 | 14110  | 0.408  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.41 | 228 | 16094  | 0.401  | ng | 96   |
| 31) Chrysene                   | 21.46 | 228 | 16868  | 0.421  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.33 | 149 | 22781  | 0.395  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.68 | 276 | 21007  | 0.420  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 23.19 | 252 | 17003m | 0.409  | ng |      |
| 36) Benzo(k)fluoranthene       | 23.24 | 252 | 16273  | 0.394  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.86 | 252 | 16105  | 0.400  | ng | 97   |
| 38) Dibenzo(a,h)anthracene     | 26.71 | 278 | 16924  | 0.402  | ng | 99   |
| 39) Benzo(g,h,i)perylene       | 27.51 | 276 | 17391  | 0.408  | ng | 100  |

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

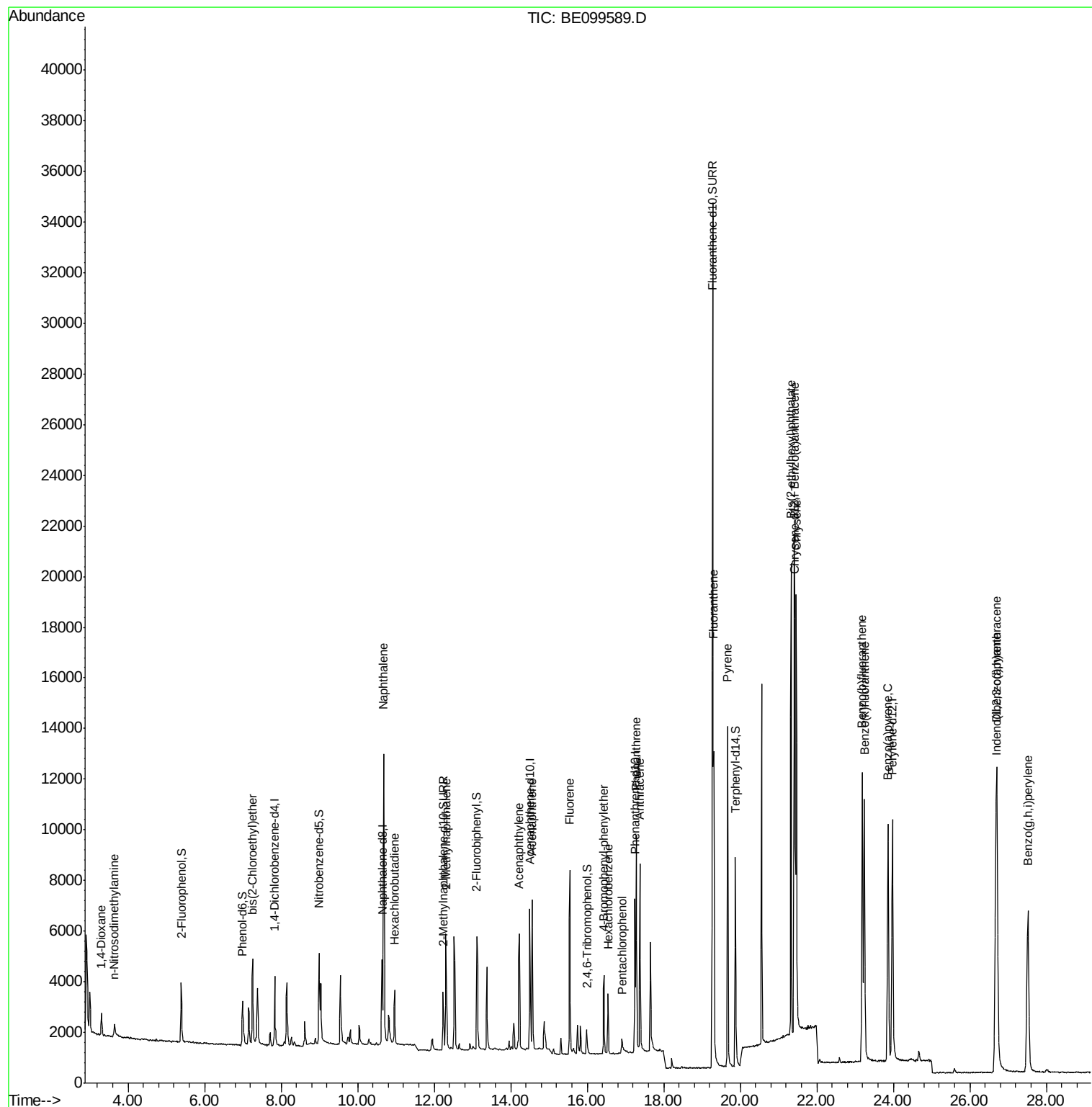
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050919\  
Data File : BE099589.D  
Acq On : 9 May 2019 13:41  
Operator : JU/SJ  
Sample : SSTDICV0.4  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

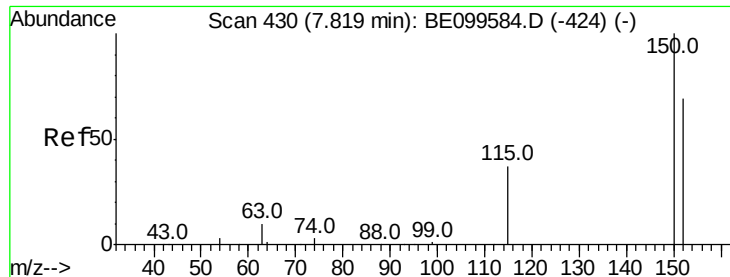
Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE050919

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Quant Time: May 09 16:06:11 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 09 13:32:58 2019  
Response via : Initial Calibration





#1

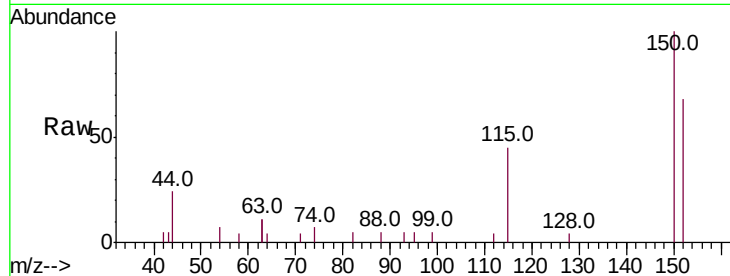
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.83 min Scan# 431  
Delta R.T. 0.01 min  
Lab File: BE099589.D  
Acq: 9 May 2019 13:41

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE050919

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 146.3 | 114.2 | 171.4 |
| 115     | 65.7  | 45.4  | 68.0  |

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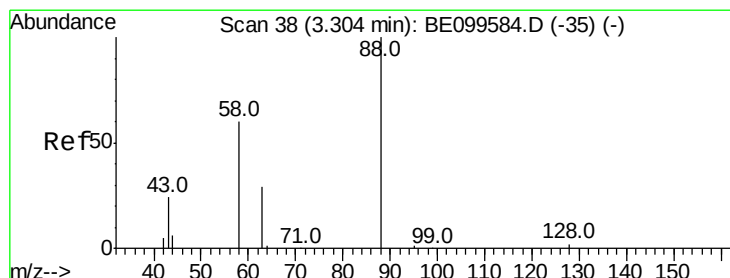
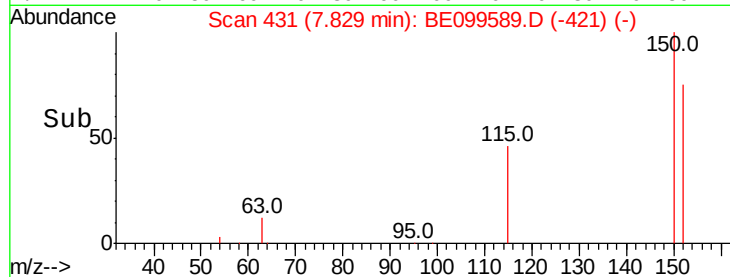
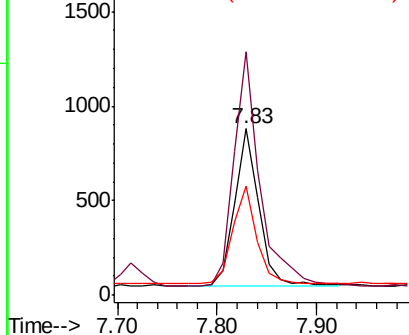


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

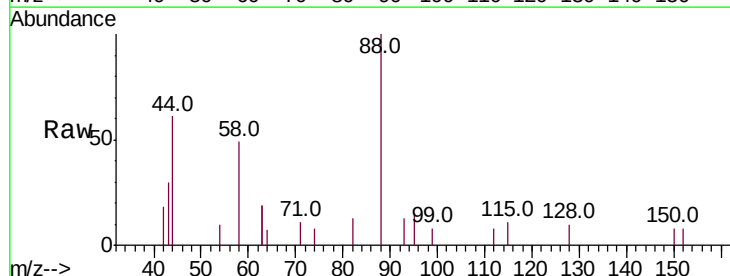
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 0.436 ng  
RT: 3.30 min Scan# 38  
Delta R.T. -0.00 min  
Lab File: BE099589.D  
Acq: 9 May 2019 13:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 54.2  | 41.3  | 61.9  |
| 43      | 19.5  | 21.0  | 31.6  |

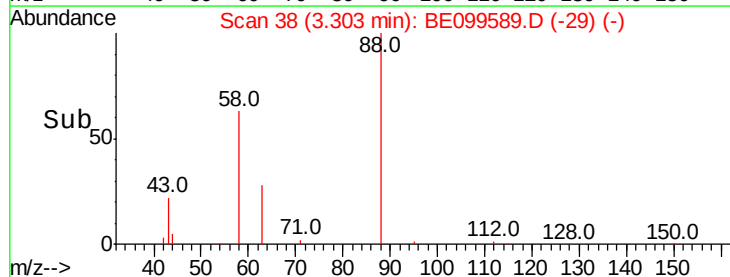
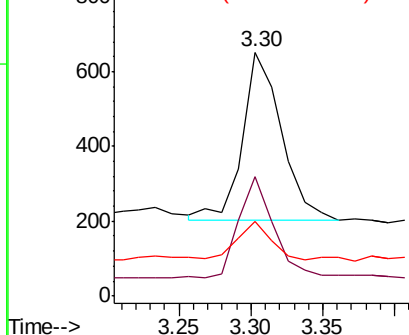


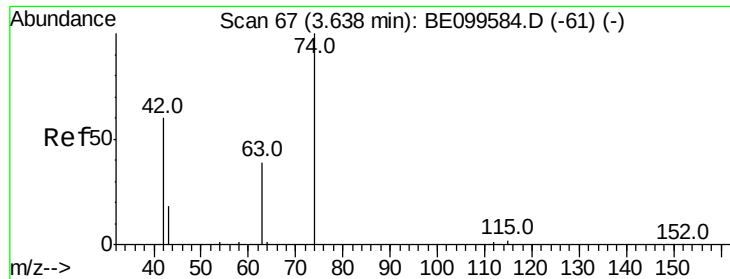
Abundance

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





#3

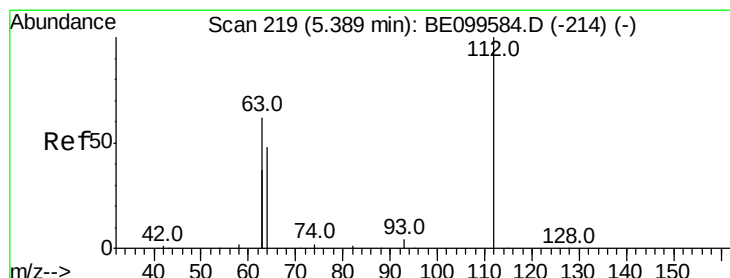
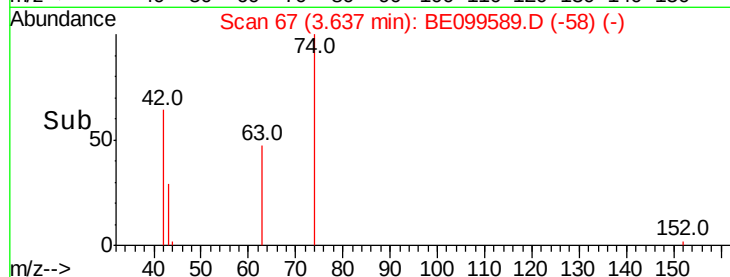
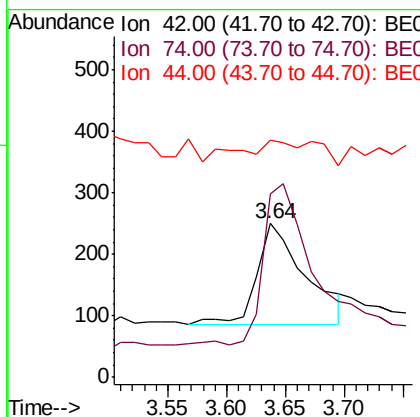
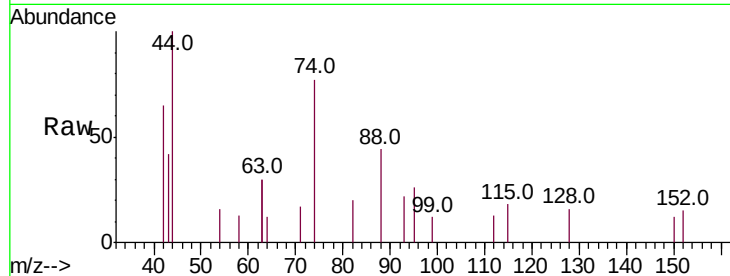
n-Nitrosodimethylamine  
 Concen: 0.386 ng  
 RT: 3.64 min Scan# 67  
 Delta R.T. -0.00 min  
 Lab File: BE099589.D  
 Acq: 9 May 2019 13:41

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE050919

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 150.6 | 136.9 | 205.3 |
| 44      | 34.6  | 7.1   | 10.7  |

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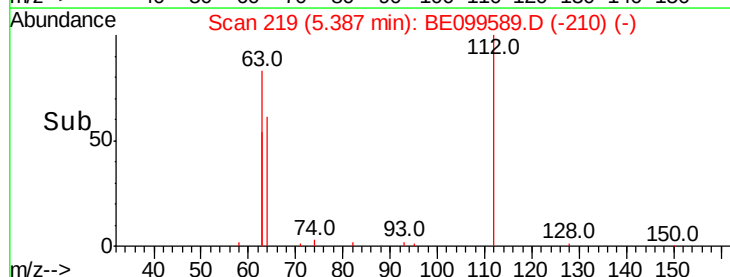
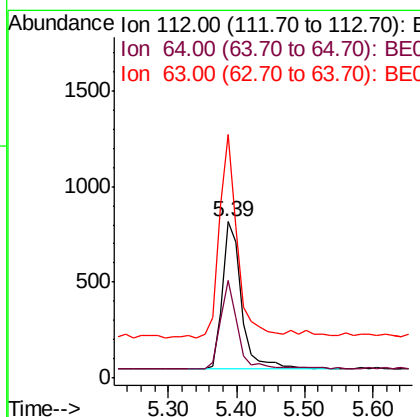
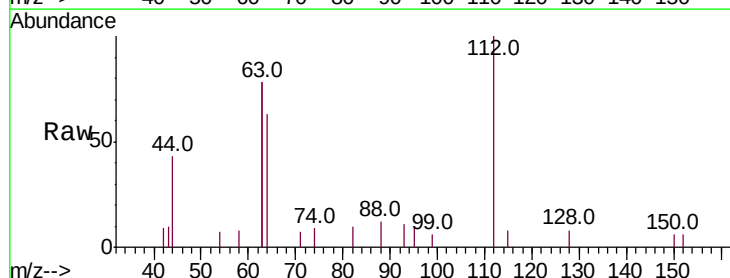
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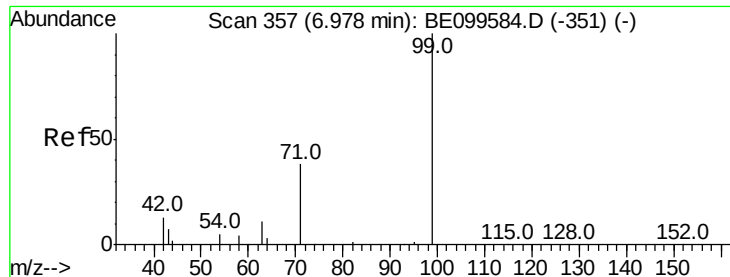


#4

2-Fluorophenol  
 Concen: 0.404 ng  
 RT: 5.39 min Scan# 219  
 Delta R.T. -0.00 min  
 Lab File: BE099589.D  
 Acq: 9 May 2019 13:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.8  | 46.2  | 69.4  |
| 63      | 126.3 | 100.2 | 150.4 |





#5

Phenol-d6

Concen: 0.383 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA\_E

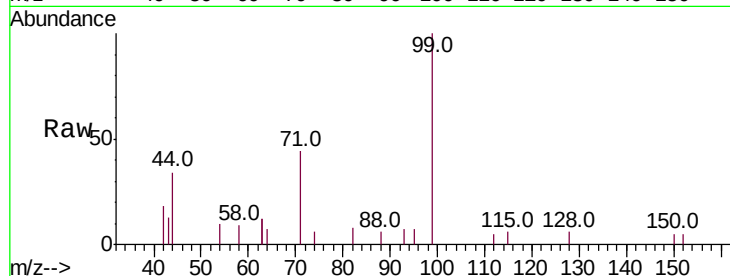
ClientSampleId :

ICVBE050919

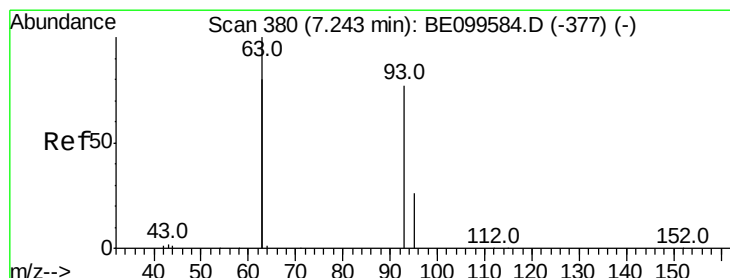
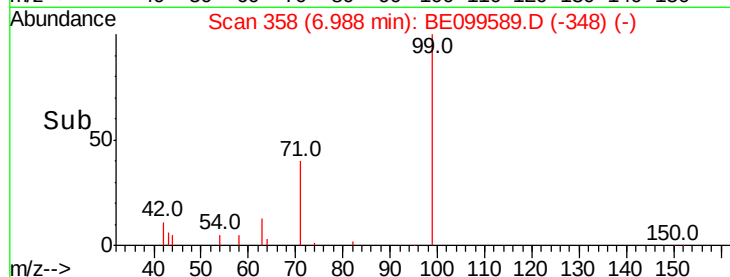
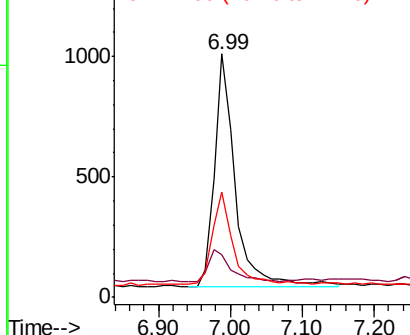
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 1909  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 14.4  | 13.8  | 20.8  |
| 71       | 40.0  | 32.2  | 48.4  |

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Abundance Ion 99.00 (98.70 to 99.70): BE0  
Ion 42.00 (41.70 to 42.70): BE0  
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.418 ng

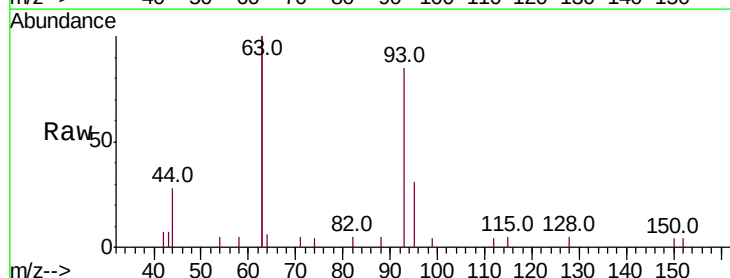
RT: 7.25 min Scan# 381

Delta R.T. 0.01 min

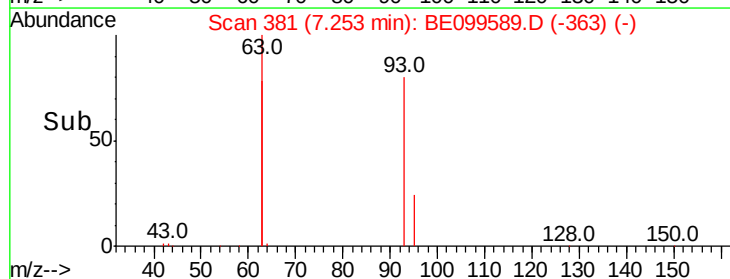
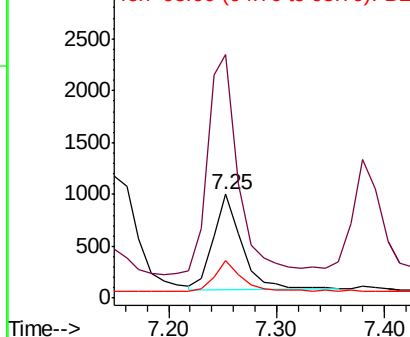
Lab File: BE099589.D

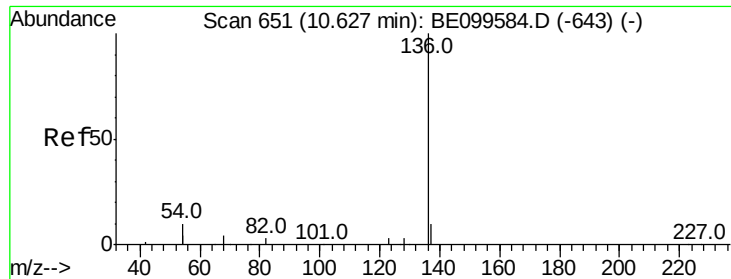
Acq: 9 May 2019 13:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 1731  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 244.0 | 213.4 | 320.0 |
| 95       | 29.4  | 24.9  | 37.3  |



Abundance Ion 93.00 (92.70 to 93.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0  
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA\_E

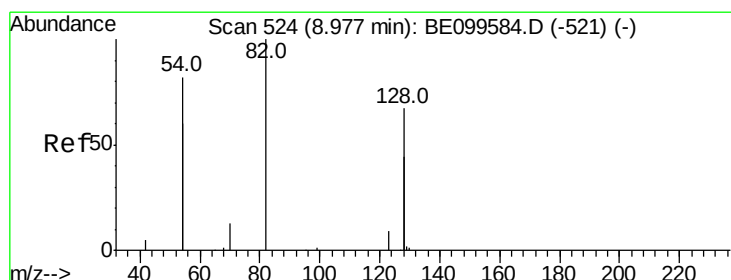
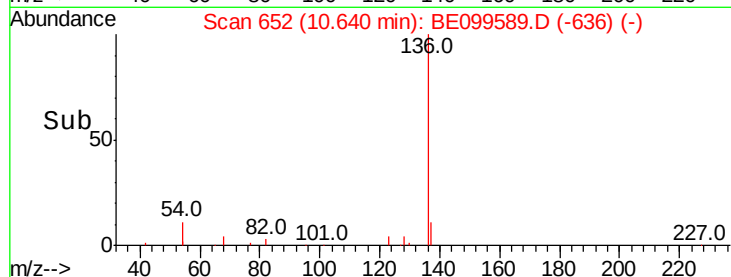
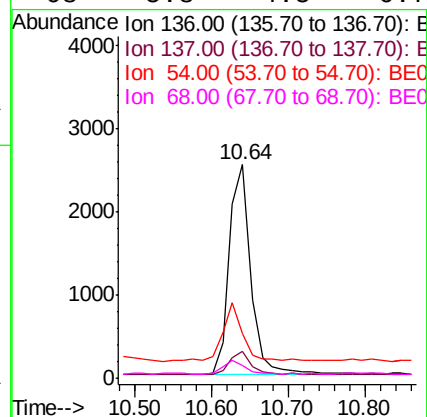
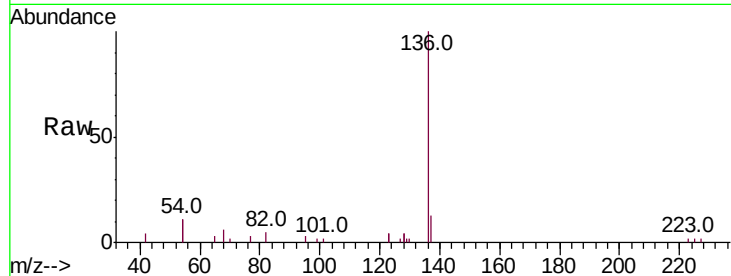
ClientSampleId :

ICVBE050919

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 12.6  | 9.1   | 13.7  |
| 54      | 21.3  | 16.5  | 24.7  |
| 68      | 5.8   | 4.5   | 6.7   |

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#8

Nitrobenzene-d5

Concen: 0.386 ng

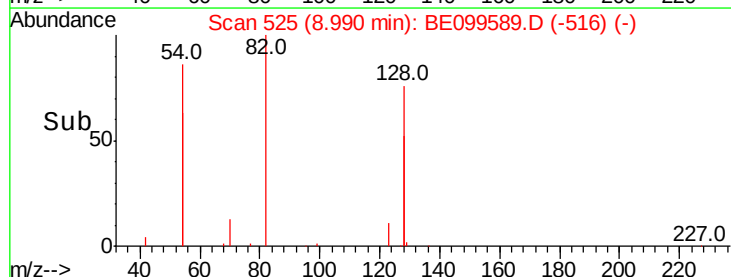
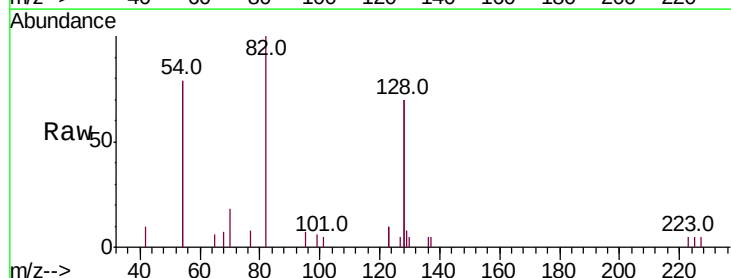
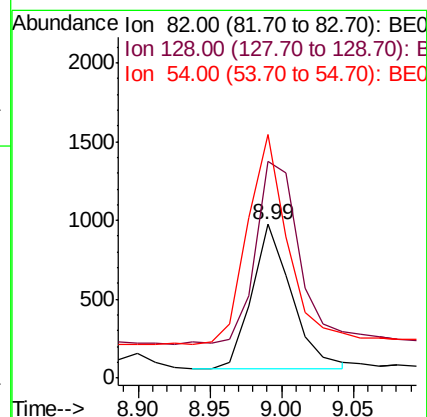
RT: 8.99 min Scan# 525

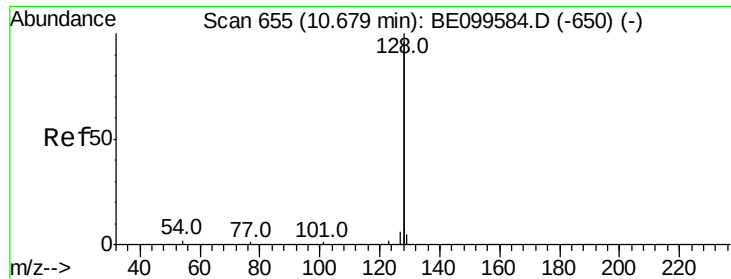
Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 140.9 | 101.5 | 152.3 |
| 54      | 158.5 | 123.8 | 185.6 |





#9

Naphthalene

Concen: 0.405 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA\_E

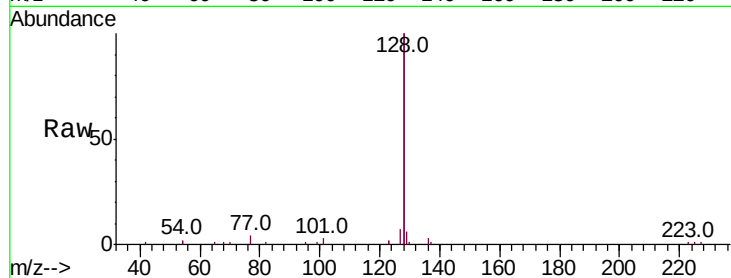
ClientSampleId :

ICVBE050919

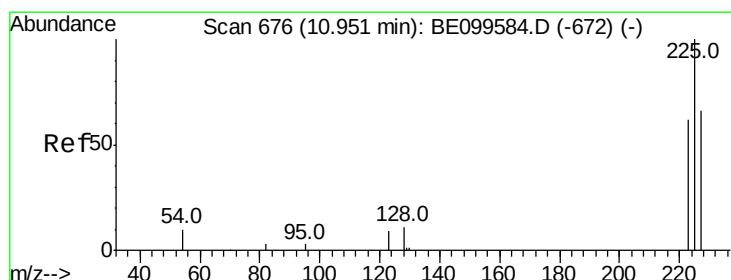
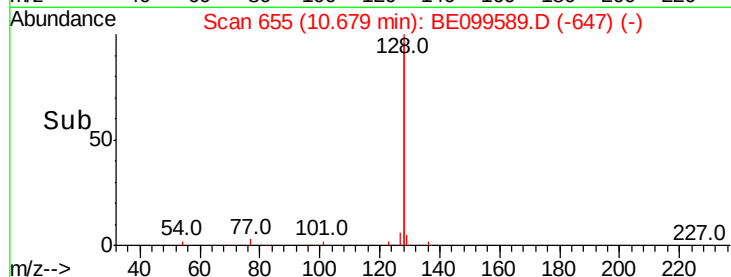
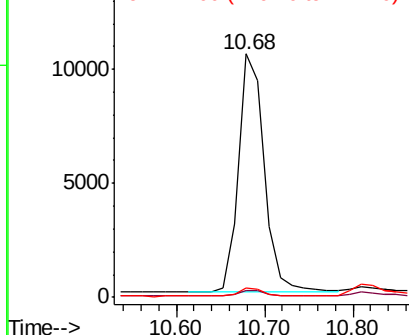
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 21340 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 3.0   | 2.4   | 3.6   |
| 127       | 3.7   | 2.8   | 4.2   |

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Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.398 ng

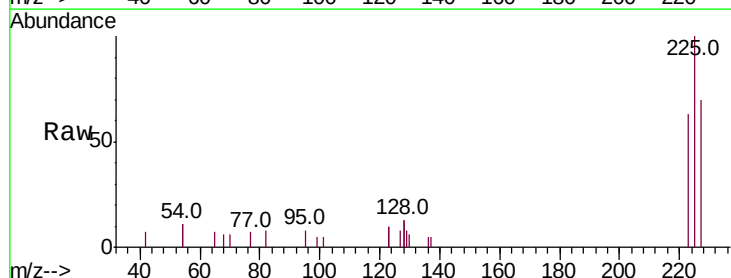
RT: 10.96 min Scan# 677

Delta R.T. 0.01 min

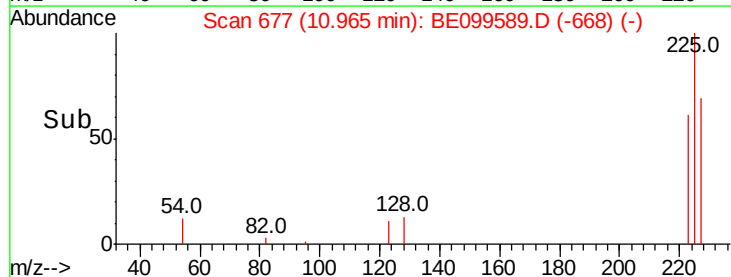
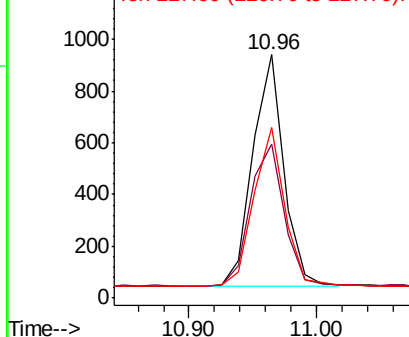
Lab File: BE099589.D

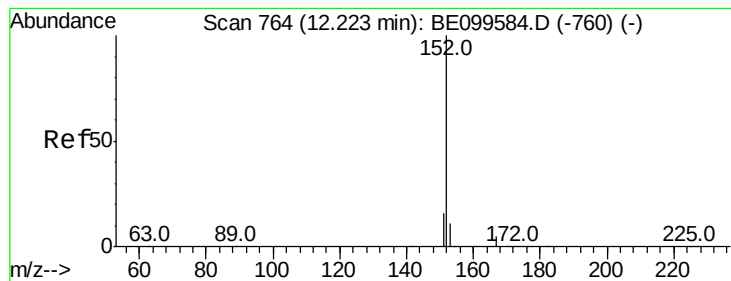
Acq: 9 May 2019 13:41

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 1514 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 66.2  | 49.6  | 74.4 |
| 227       | 68.5  | 50.1  | 75.1 |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





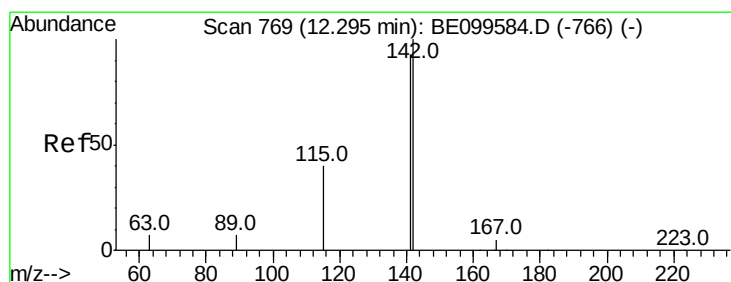
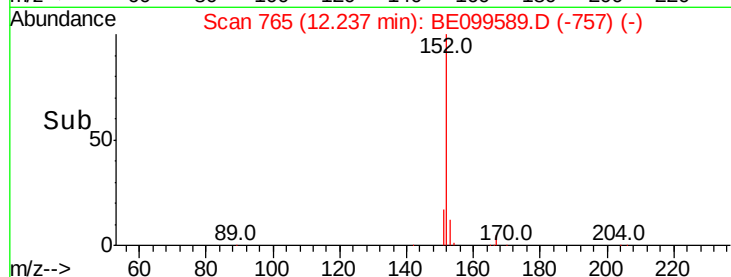
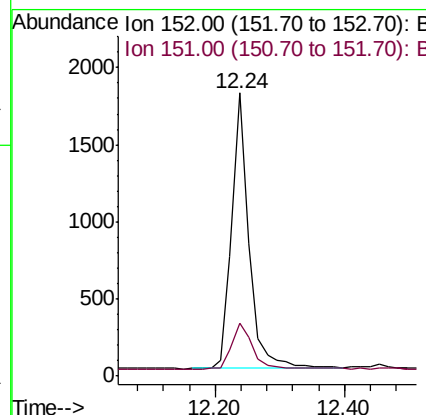
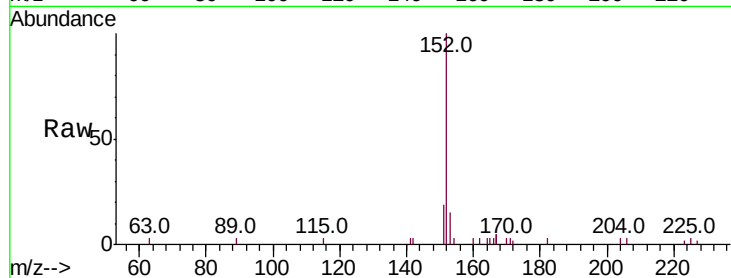
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.401 ng  
 RT: 12.24 min Scan# 765  
 Delta R.T. 0.01 min  
 Lab File: BE099589.D  
 Acq: 9 May 2019 13:41

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE050919

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.5  | 16.2  | 24.2  |

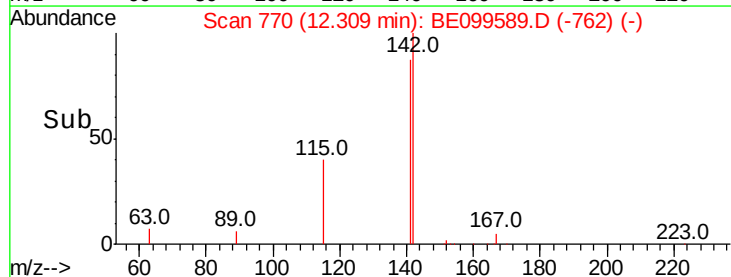
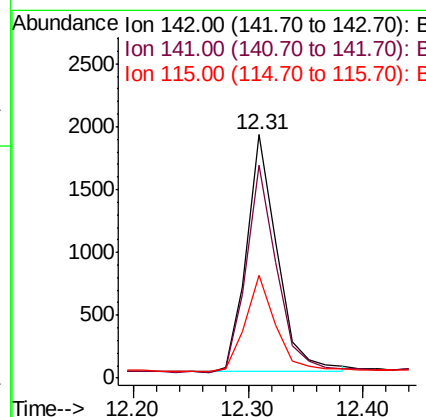
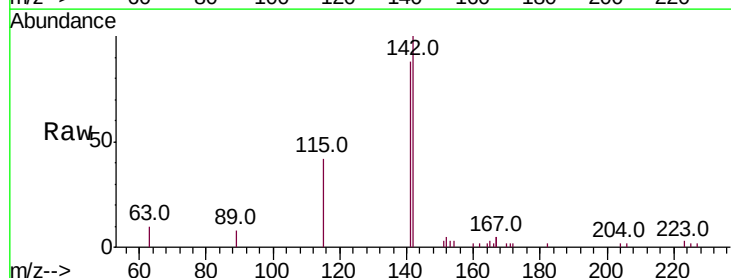
Manual Integrations  
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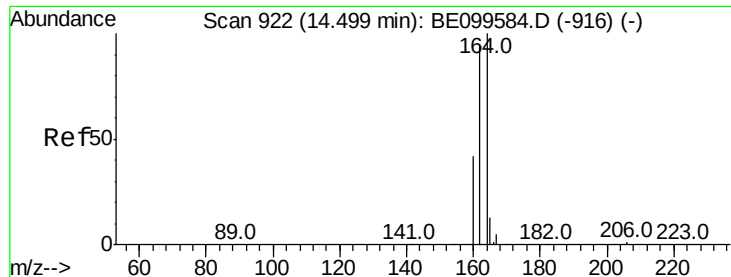


#12  
 2-Methylnaphthalene  
 Concen: 0.406 ng  
 RT: 12.31 min Scan# 770  
 Delta R.T. 0.01 min  
 Lab File: BE099589.D  
 Acq: 9 May 2019 13:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.7  | 75.0  | 112.4 |
| 115     | 42.2  | 33.7  | 50.5  |







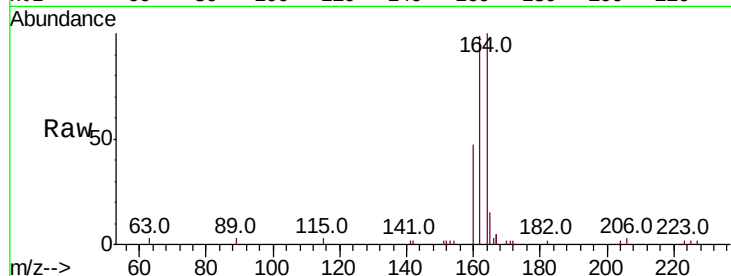
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.50 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: BE099589.D  
Acq: 9 May 2019 13:41

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE050919

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.2  | 75.3  | 112.9 |
| 160     | 47.3  | 34.7  | 52.1  |

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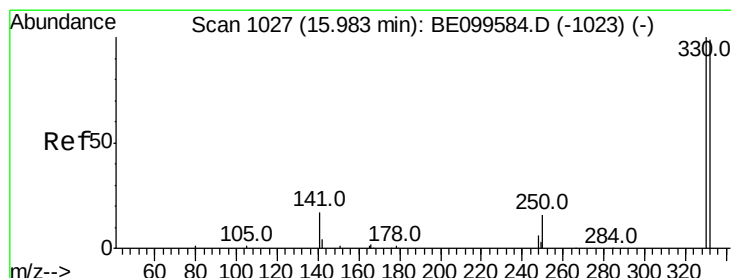
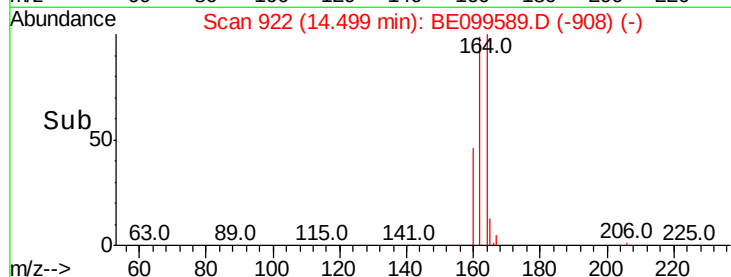
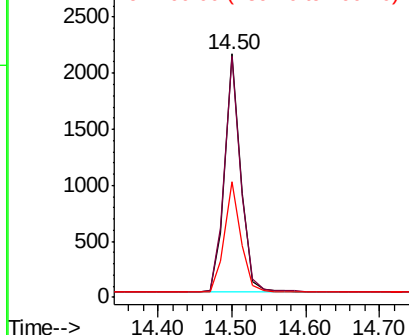


Abundance

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: 0.409 ng  
RT: 16.00 min Scan# 1028  
Delta R.T. 0.01 min  
Lab File: BE099589.D  
Acq: 9 May 2019 13:41

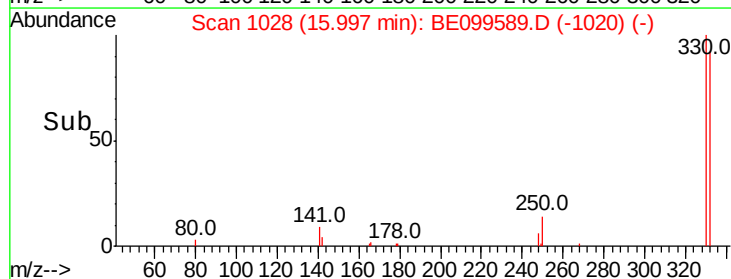
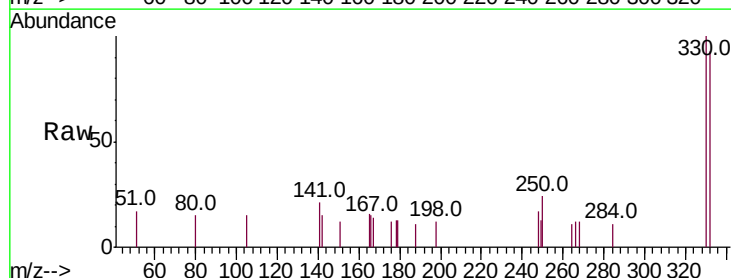
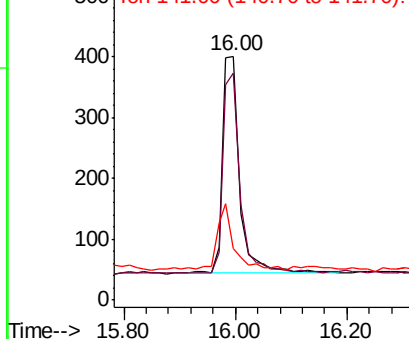
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 91.7  | 78.7  | 118.1 |
| 141     | 27.4  | 22.3  | 33.5  |

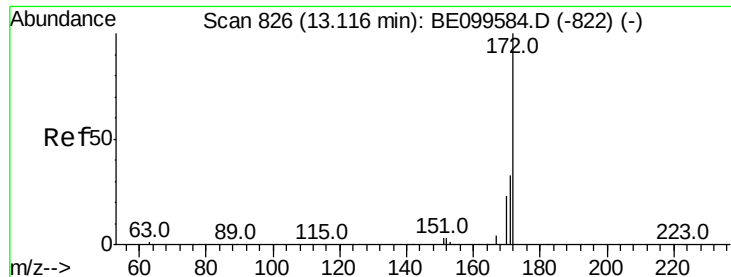
Abundance

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





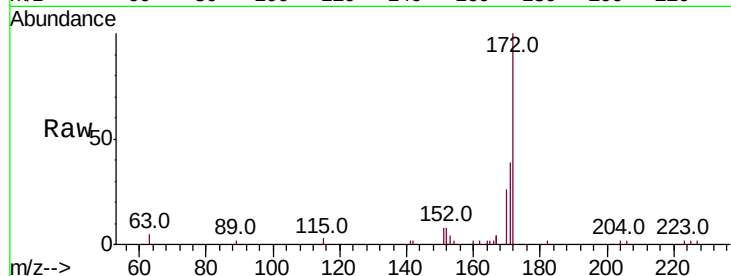
#15  
2-Fluorobiphenyl  
Concen: 0.410 ng  
RT: 13.12 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BE099589.D  
Acq: 9 May 2019 13:41

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE050919

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.6  | 27.5  | 41.3  |
| 170     | 25.9  | 19.1  | 28.7  |

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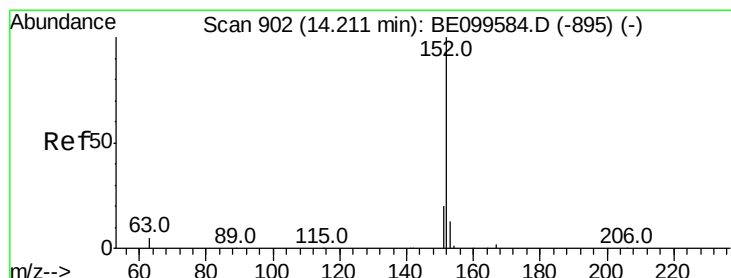
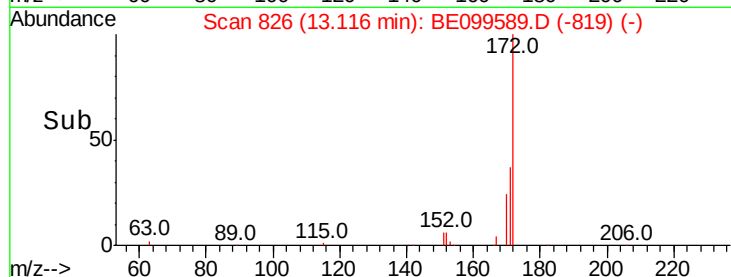
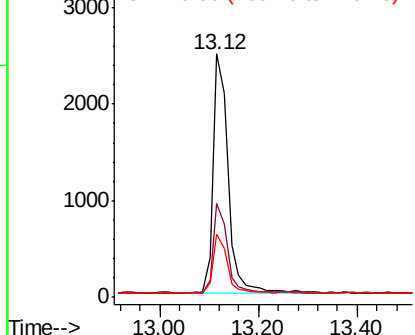


Abundance

Ion 172.00 (171.70 to 172.70): E

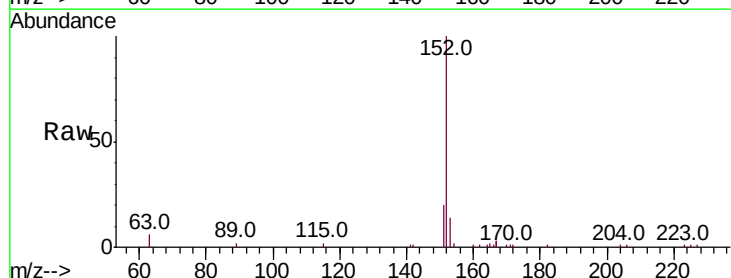
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16  
Acenaphthylene  
Concen: 0.397 ng  
RT: 14.23 min Scan# 903  
Delta R.T. 0.01 min  
Lab File: BE099589.D  
Acq: 9 May 2019 13:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.0  | 15.5  | 23.3  |
| 153     | 12.5  | 10.2  | 15.4  |

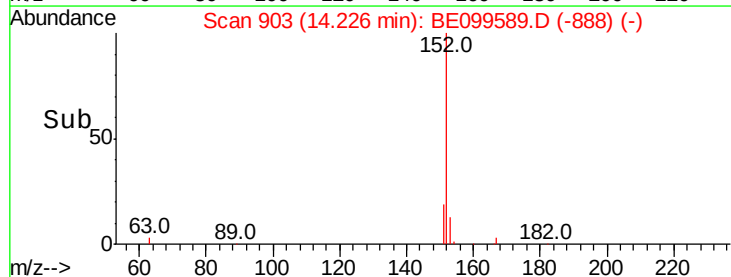
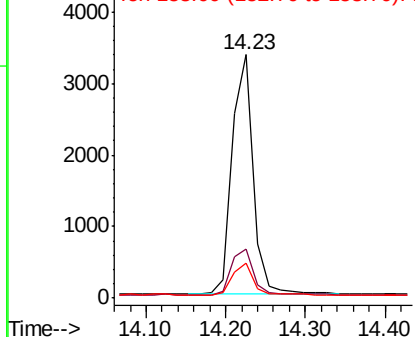


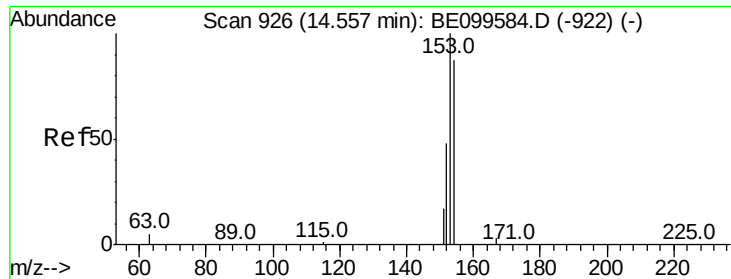
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





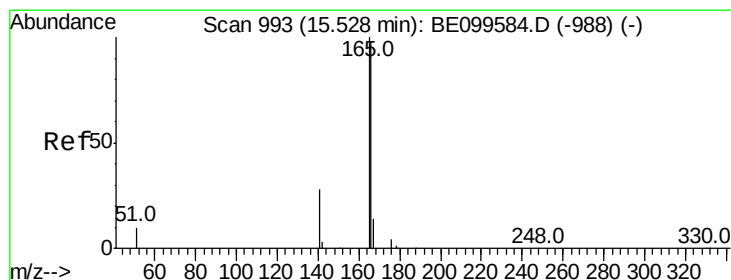
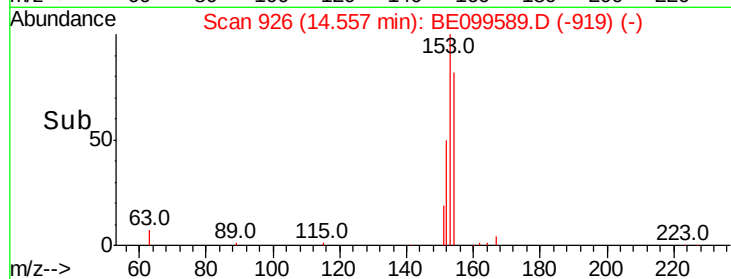
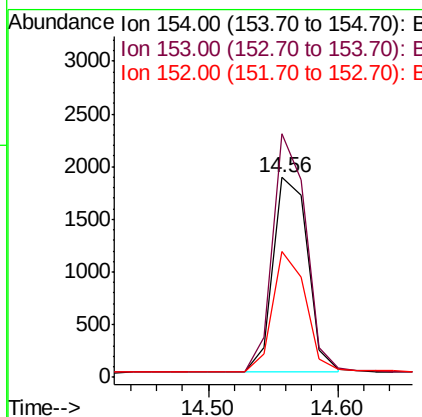
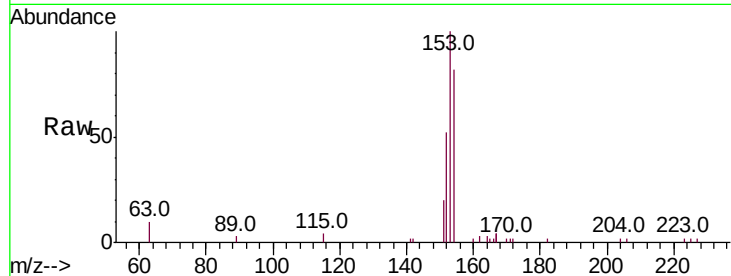
#17  
Acenaphthene  
Concen: 0.402 ng  
RT: 14.56 min Scan# 926  
Delta R.T. 0.00 min  
Lab File: BE099589.D  
Acq: 9 May 2019 13:41

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE050919

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 116.8 | 92.9  | 139.3 |
| 152     | 59.1  | 46.3  | 69.5  |

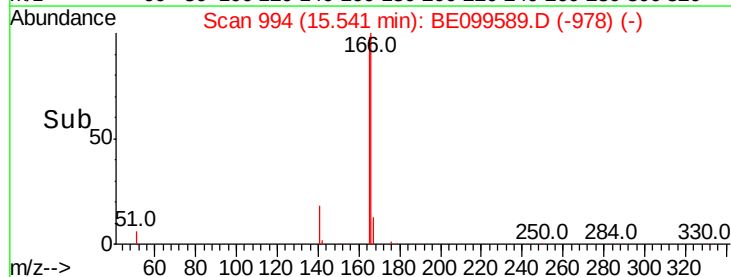
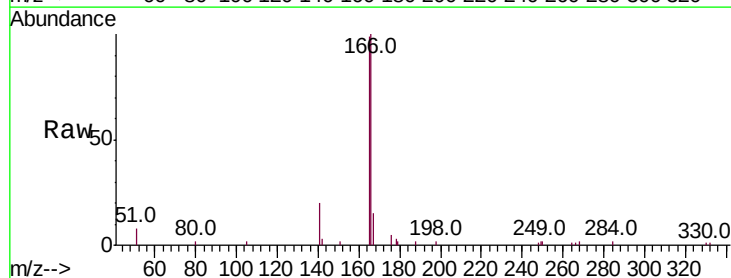
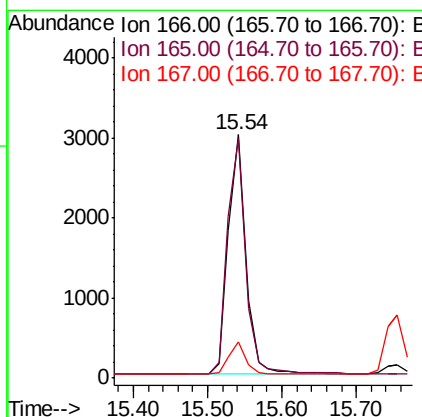
Manual Integrations  
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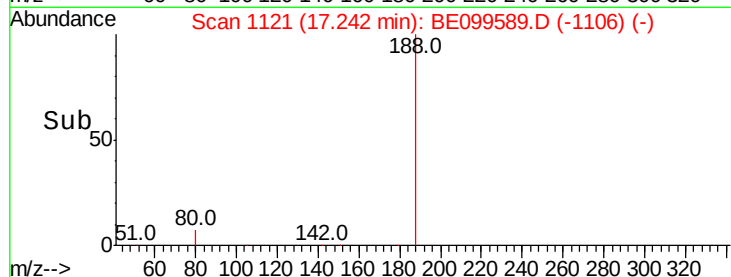
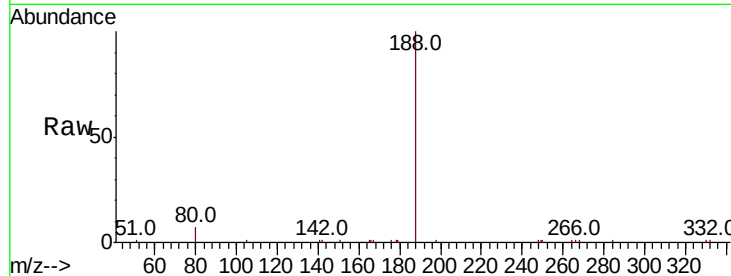
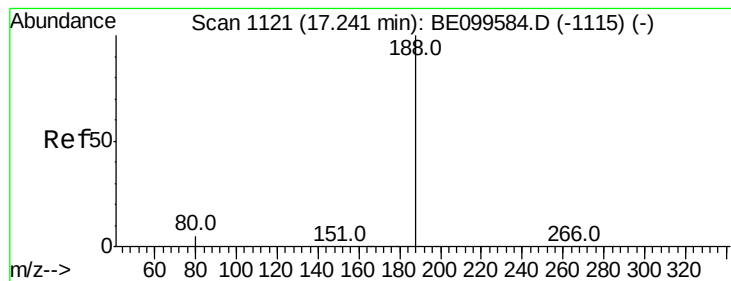
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#18  
Fluorene  
Concen: 0.404 ng  
RT: 15.54 min Scan# 994  
Delta R.T. 0.01 min  
Lab File: BE099589.D  
Acq: 9 May 2019 13:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.9  | 80.5  | 120.7 |
| 167     | 13.3  | 11.6  | 17.4  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 188   | Resp: | 9084 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 0.0   | 0.0  |
| 80        | 7.4   | 4.4   | 6.6# |

Instrument :

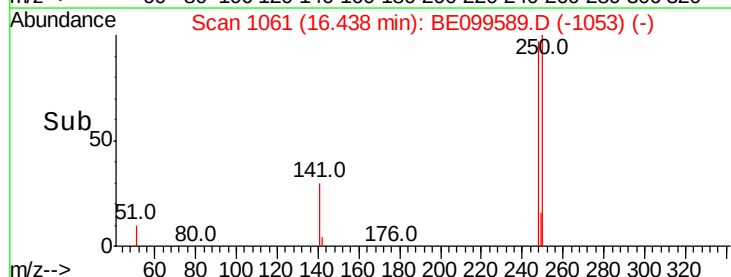
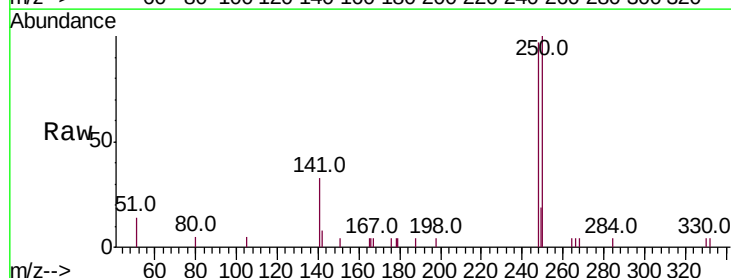
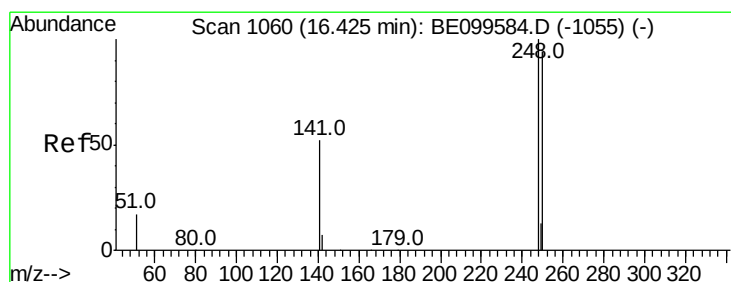
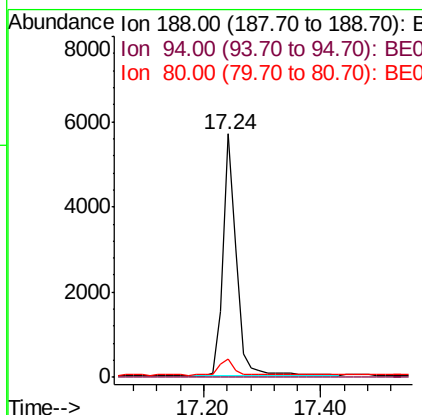
BNA\_E

ClientSampleId :

ICVBE050919

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#20

4-Bromophenyl-phenylether

Concen: 0.386 ng

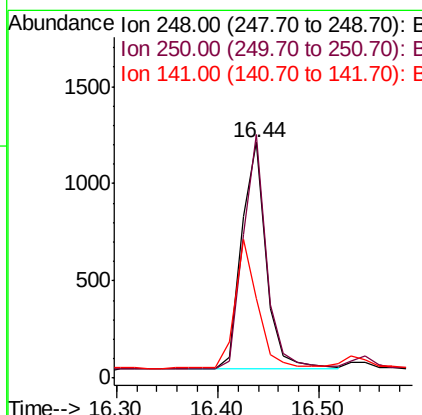
RT: 16.44 min Scan# 1061

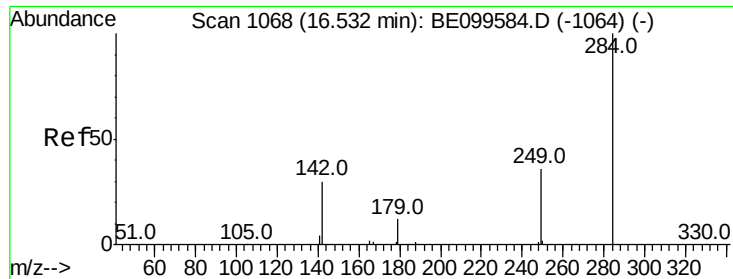
Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 2002  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 103.5 | 75.7  | 113.5 |
| 141       | 34.0  | 42.9  | 64.3# |





#21

Hexachlorobenzene

Concen: 0.406 ng

RT: 16.55 min Scan# 1069

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA\_E

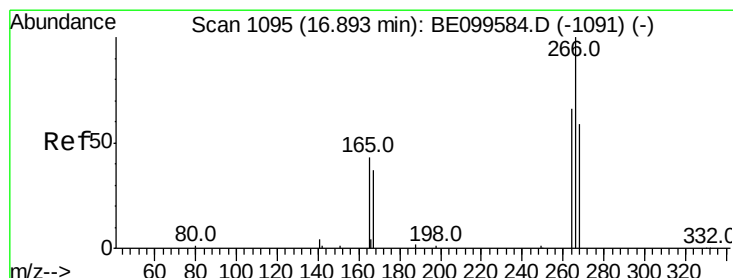
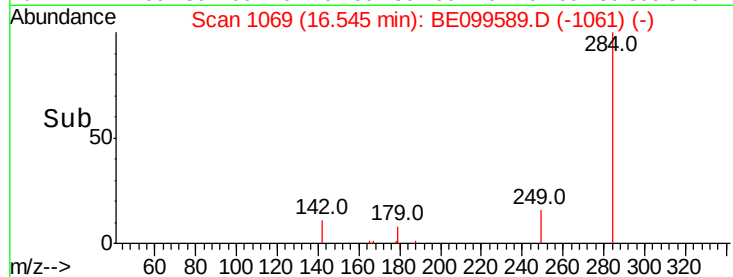
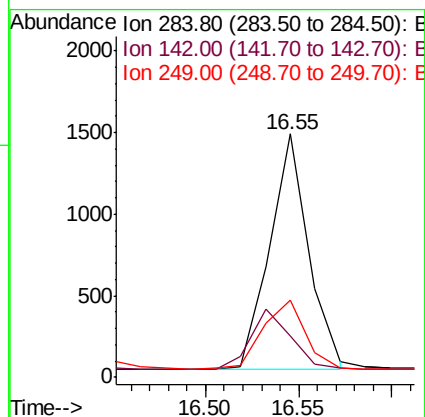
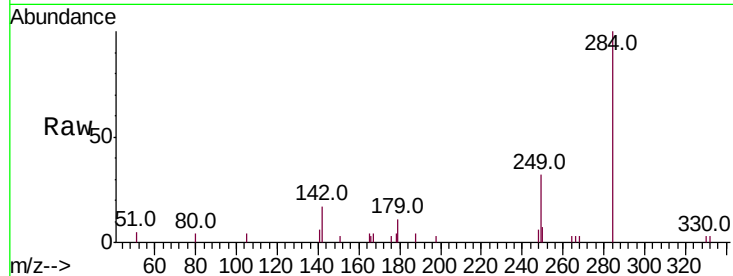
ClientSampleId :

ICVBE050919

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 284   | Resp: | 2111 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 26.4  | 20.6  | 30.8 |
| 249       | 32.0  | 25.8  | 38.6 |

Manual Integrations  
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#22

Pentachlorophenol

Concen: 0.467 ng

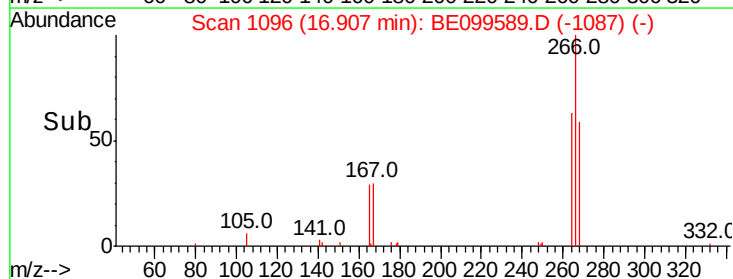
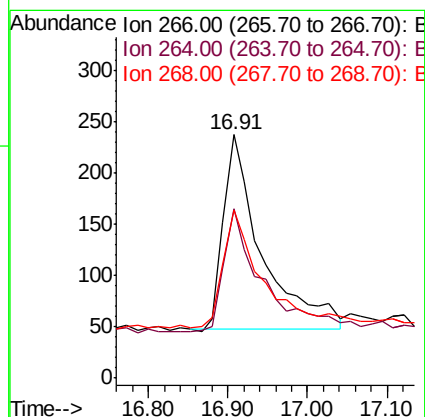
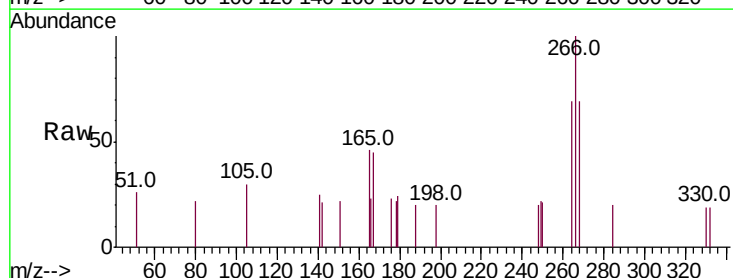
RT: 16.91 min Scan# 1096

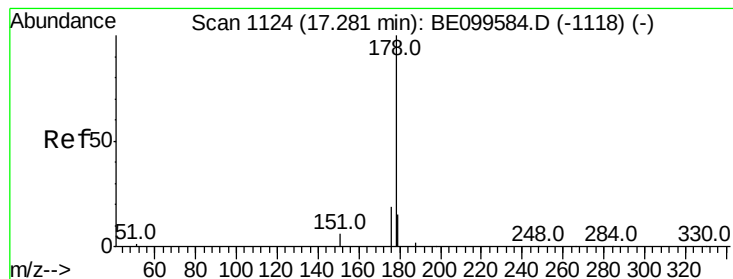
Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 634  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 69.3  | 57.3  | 85.9 |
| 268       | 68.9  | 53.5  | 80.3 |





#23

Phenanthrene

Concen: 0.405 ng

RT: 17.28 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA\_E

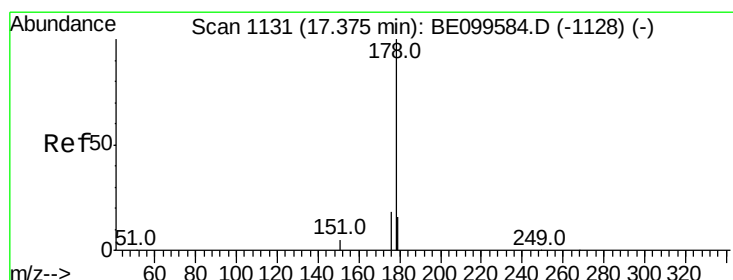
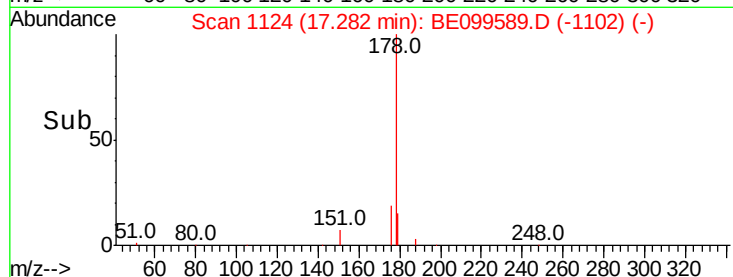
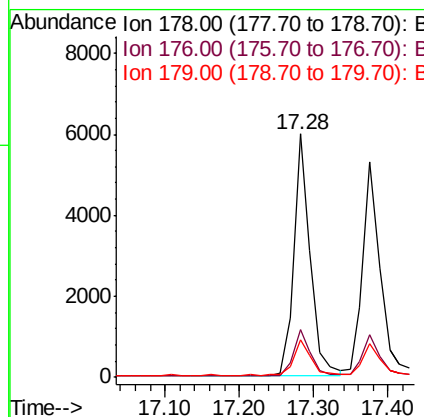
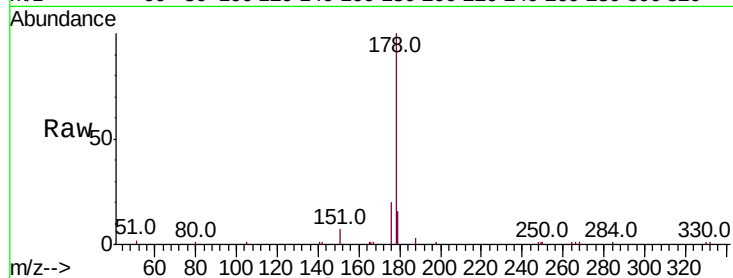
ClientSampleId :

ICVBE050919

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 178   | Resp: | 9137  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 19.1  | 15.8  | 23.6  |
| 179      | 15.2  | 12.2  | 18.2  |

Manual Integrations  
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#24

Anthracene

Concen: 0.392 ng

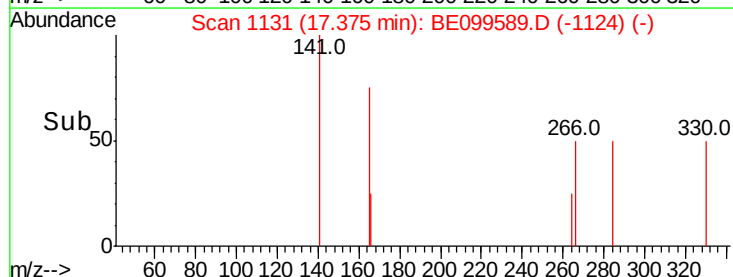
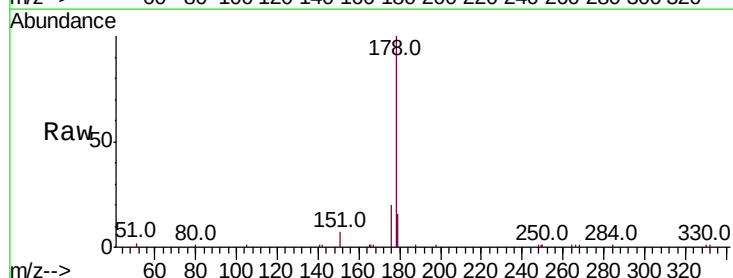
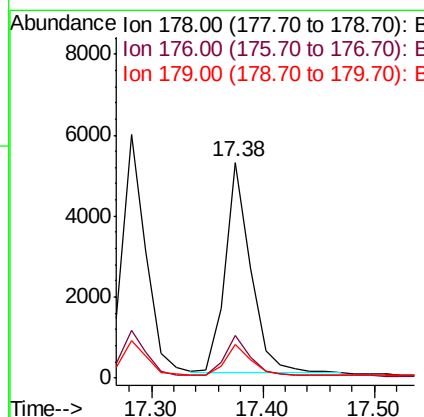
RT: 17.38 min Scan# 1131

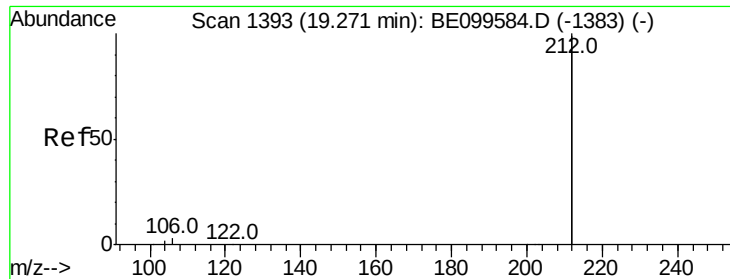
Delta R.T. 0.00 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 8306  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 18.8  | 14.8  | 22.2  |
| 179      | 14.8  | 12.3  | 18.5  |





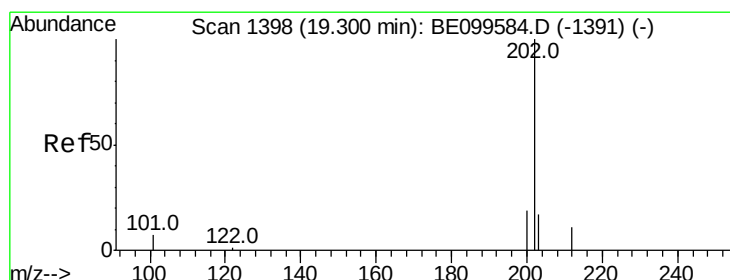
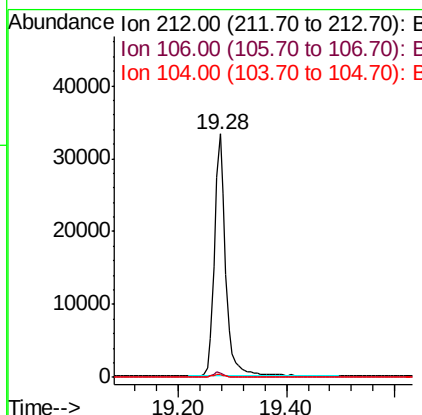
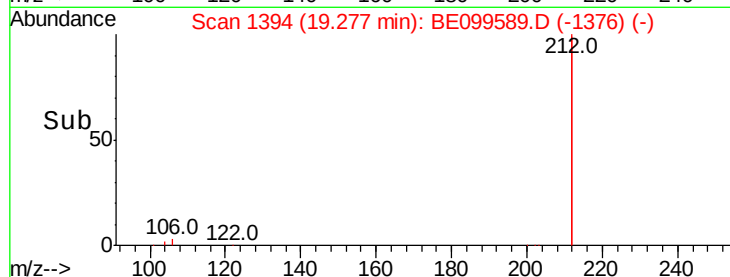
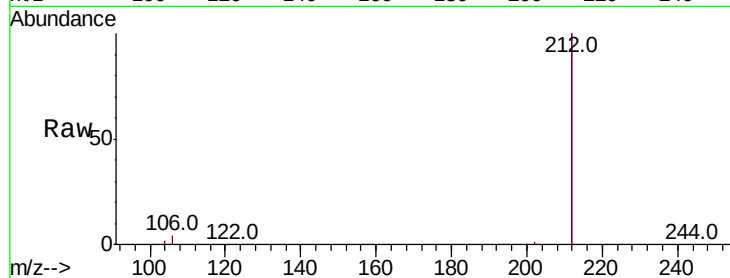
#25  
 Fluoranthene-d10  
 Concen: 0.404 ng  
 RT: 19.28 min Scan# 1394  
 Delta R.T. 0.01 min  
 Lab File: BE099589.D  
 Acq: 9 May 2019 13:41

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE050919

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 1.8   | 1.4   | 2.2   |
| 104     | 1.1   | 0.9   | 1.3   |

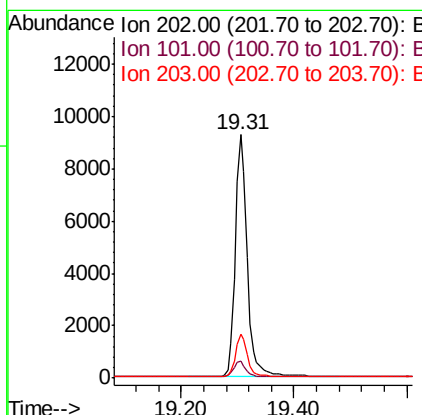
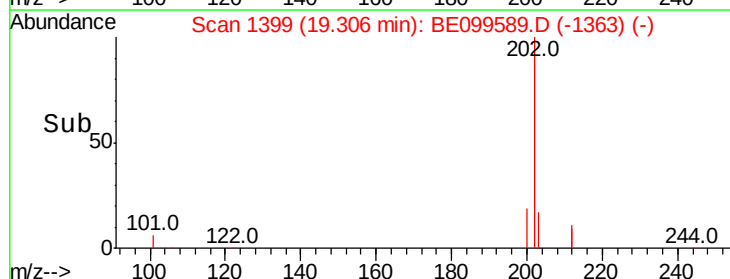
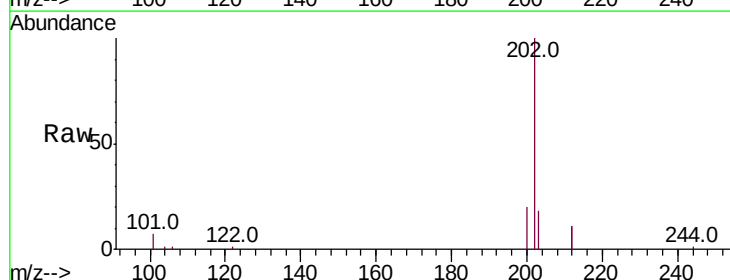
Manual Integrations  
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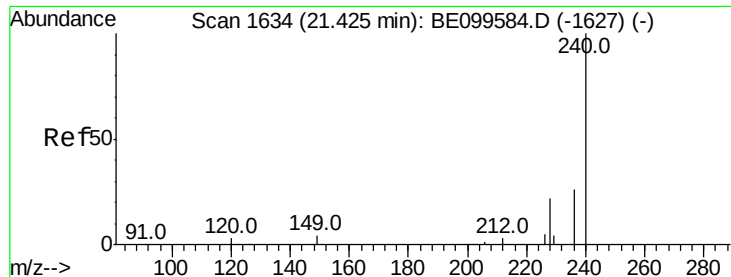
Sohil  
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#26  
 Fluoranthene  
 Concen: 0.408 ng  
 RT: 19.31 min Scan# 1399  
 Delta R.T. 0.01 min  
 Lab File: BE099589.D  
 Acq: 9 May 2019 13:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 6.7   | 5.4   | 8.2   |
| 203     | 16.9  | 13.7  | 20.5  |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA\_E

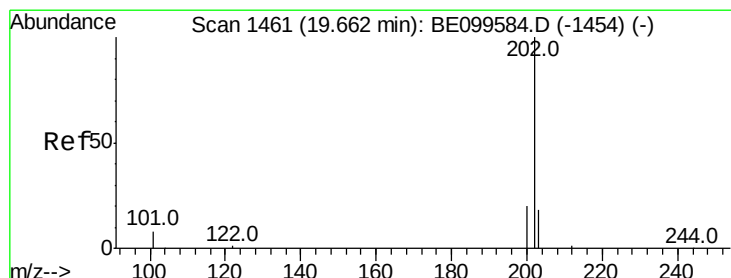
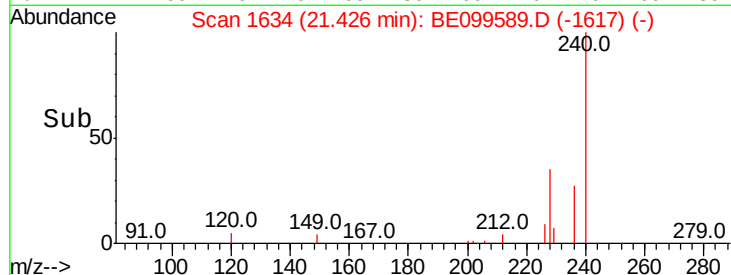
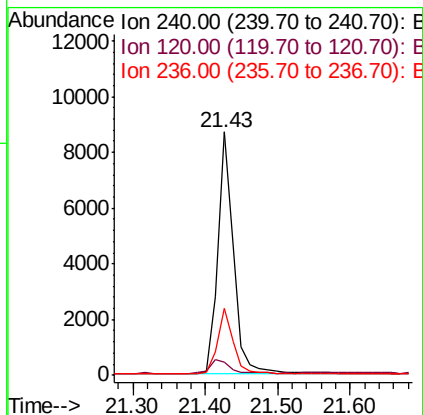
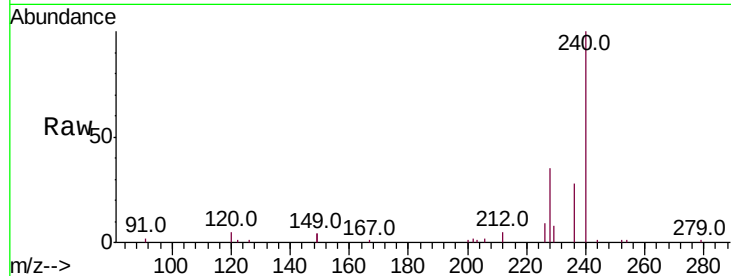
ClientSampleId :

ICVBE050919

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.3   | 3.2   | 4.8#  |
| 236     | 27.6  | 21.0  | 31.6  |

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#28

Pyrene

Concen: 0.408 ng

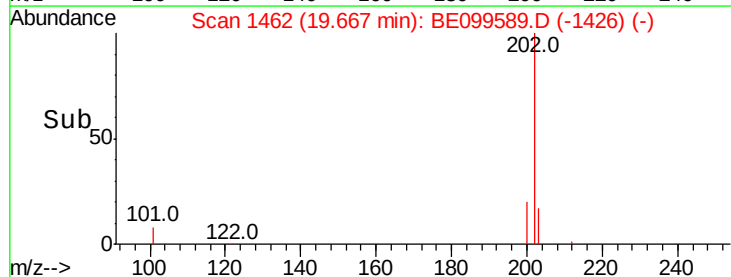
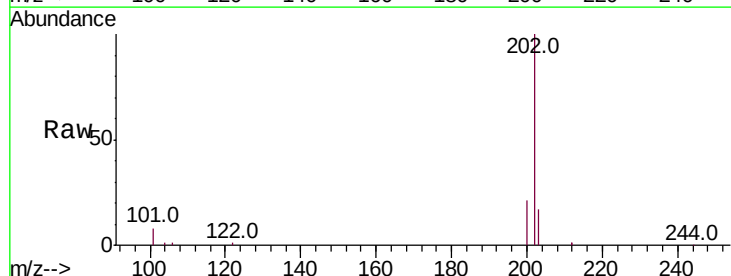
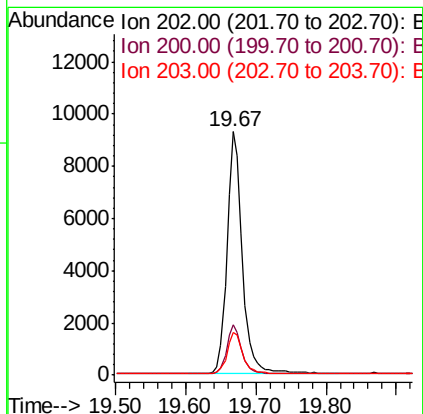
RT: 19.67 min Scan# 1462

Delta R.T. 0.01 min

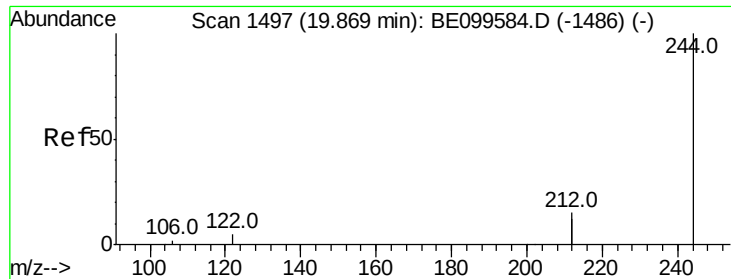
Lab File: BE099589.D

Acq: 9 May 2019 13:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 19.6  | 15.9  | 23.9  |
| 203     | 17.7  | 14.1  | 21.1  |







#29

Terphenyl-d14

Concen: 0.405 ng

RT: 19.87 min Scan# 1498

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA\_E

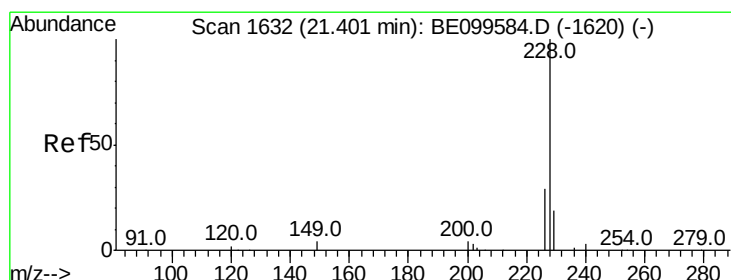
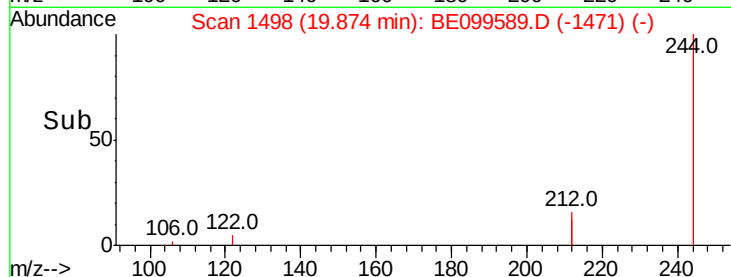
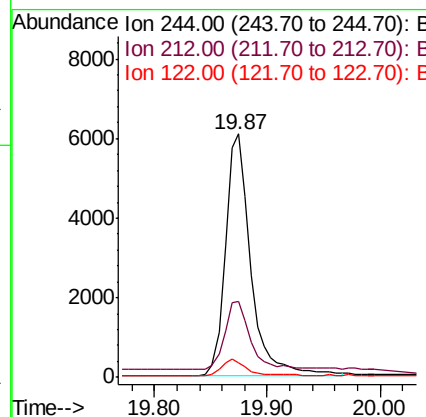
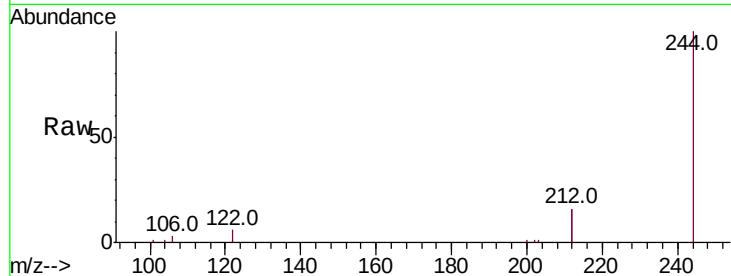
ClientSampleId :

ICVBE050919

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 31.3  | 24.4  | 36.6  |
| 122     | 6.1   | 4.6   | 6.8   |

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#30

Benzo(a)anthracene

Concen: 0.401 ng

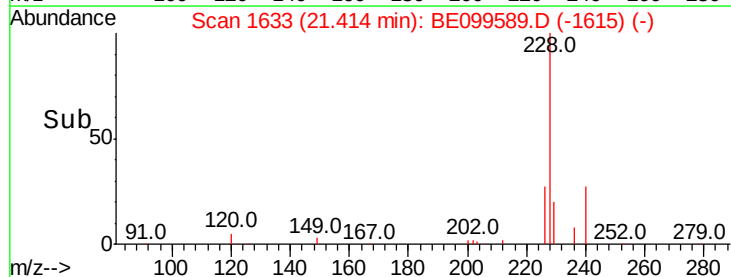
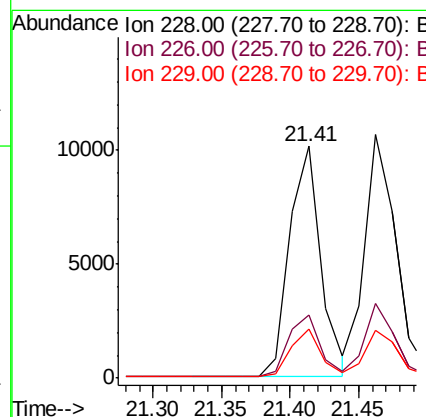
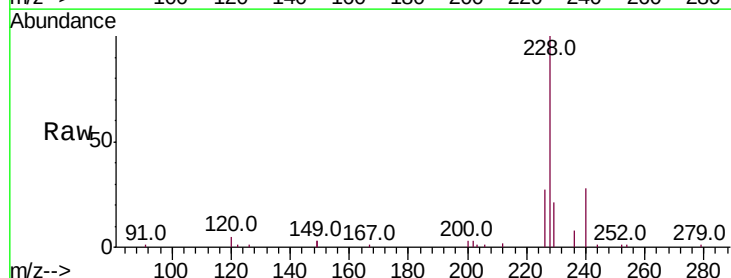
RT: 21.41 min Scan# 1633

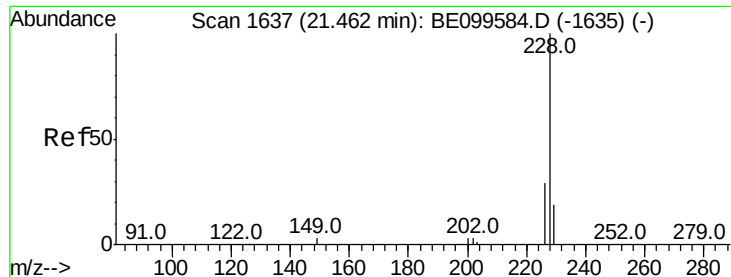
Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.1  | 23.3  | 34.9  |
| 229     | 20.9  | 15.5  | 23.3  |





#31

Chrysene

Concen: 0.421 ng

RT: 21.46 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA\_E

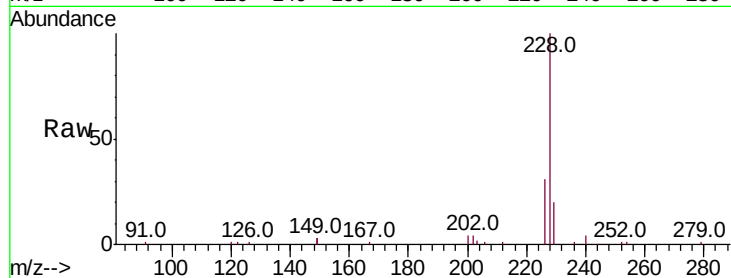
ClientSampled :

ICVBE050919

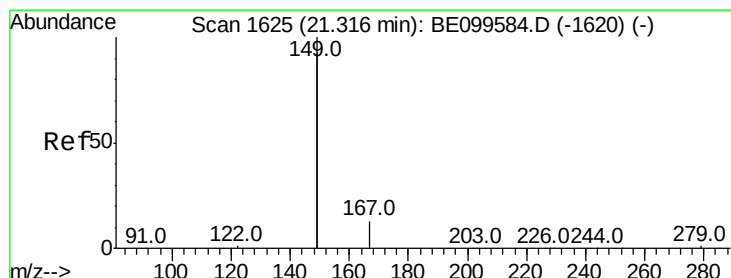
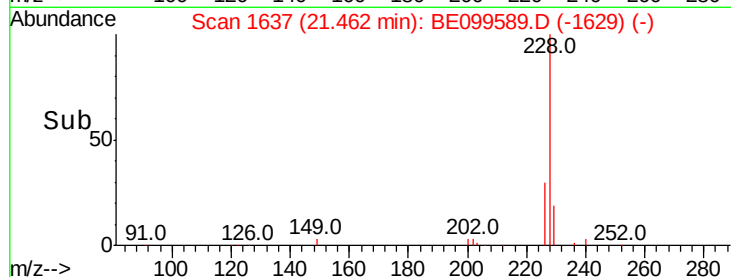
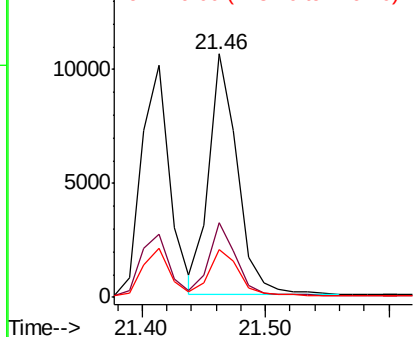
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 16868 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.8  | 23.2  | 34.8  |
| 229       | 19.6  | 15.6  | 23.4  |

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Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.395 ng

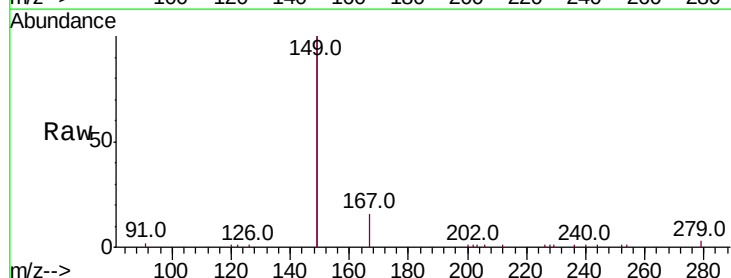
RT: 21.33 min Scan# 1626

Delta R.T. 0.01 min

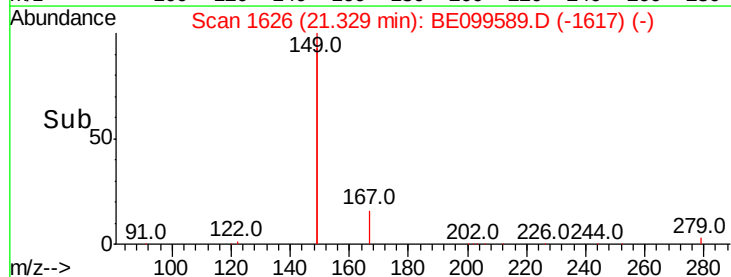
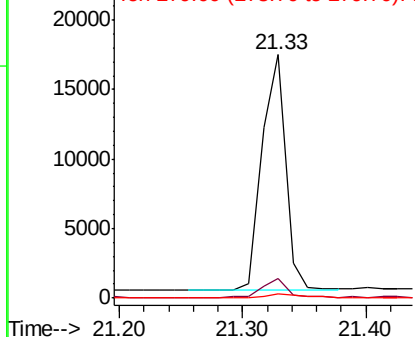
Lab File: BE099589.D

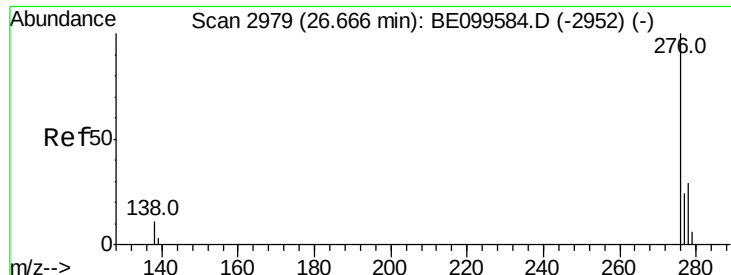
Acq: 9 May 2019 13:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 22781 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 7.5   | 6.0   | 9.0   |
| 279       | 1.5   | 1.1   | 1.7   |



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





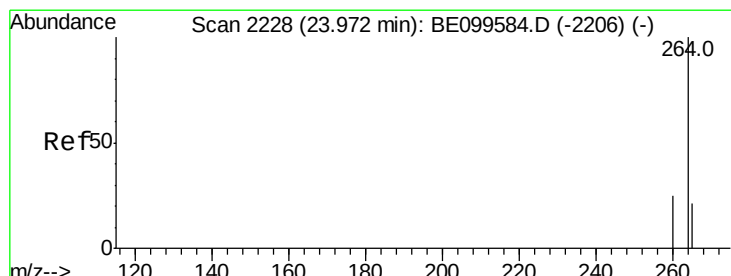
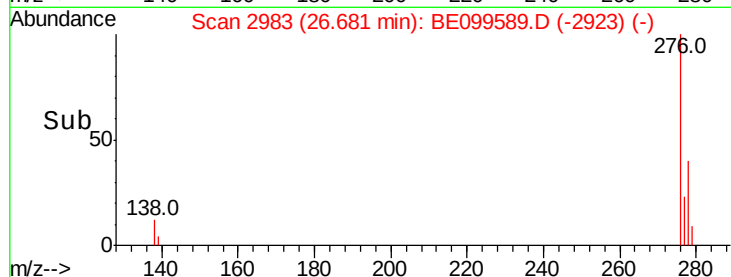
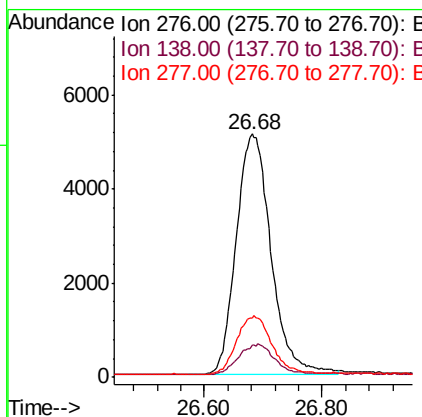
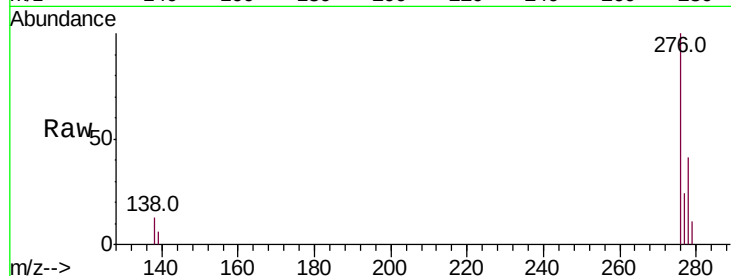
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.420 ng  
 RT: 26.68 min Scan# 2983  
 Delta R.T. 0.01 min  
 Lab File: BE099589.D  
 Acq: 9 May 2019 13:41

Instrument :  
 BNA\_E  
 ClientSampleId :  
 ICVBE050919

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 12.6  | 10.2  | 15.2  |
| 277     | 24.5  | 19.8  | 29.8  |

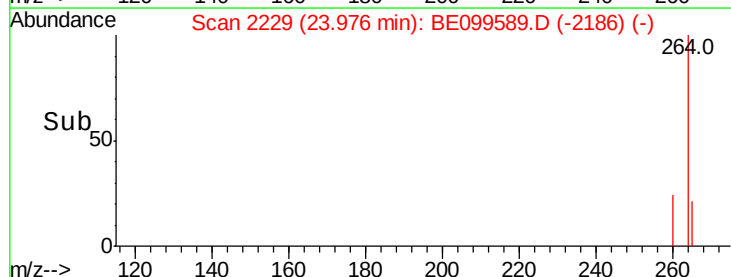
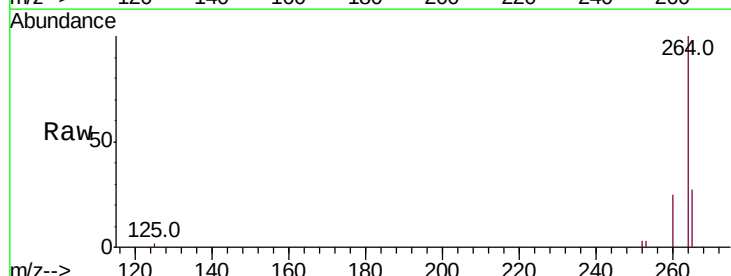
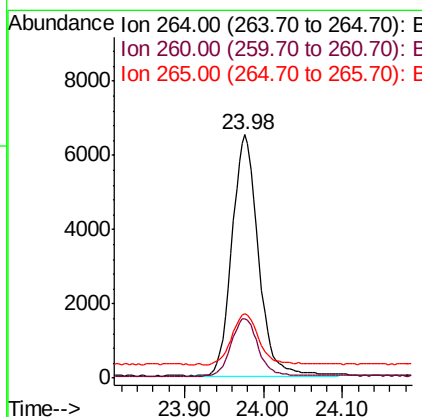
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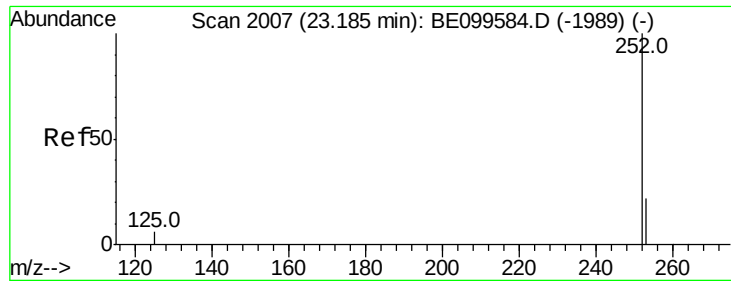
Sohil  
 5/13/2019 8:32:35 PM



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.98 min Scan# 2229  
 Delta R.T. 0.00 min  
 Lab File: BE099589.D  
 Acq: 9 May 2019 13:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 20.3  | 30.5  |
| 265     | 26.6  | 20.9  | 31.3  |





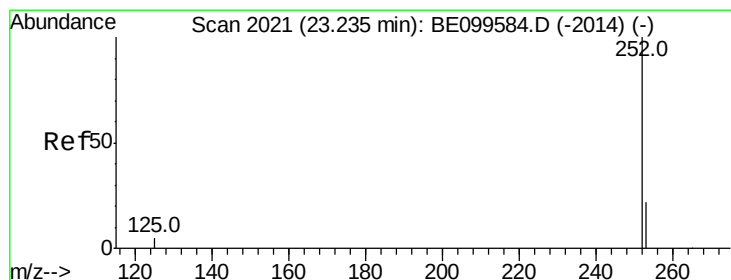
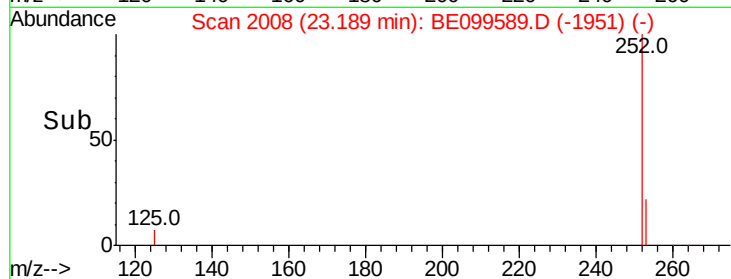
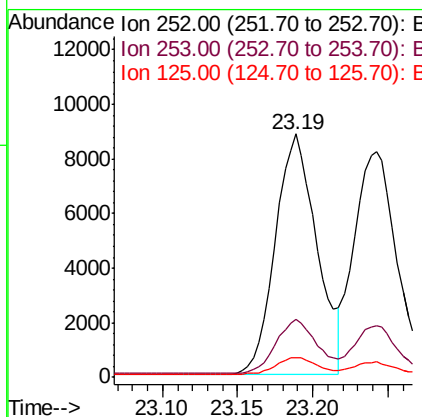
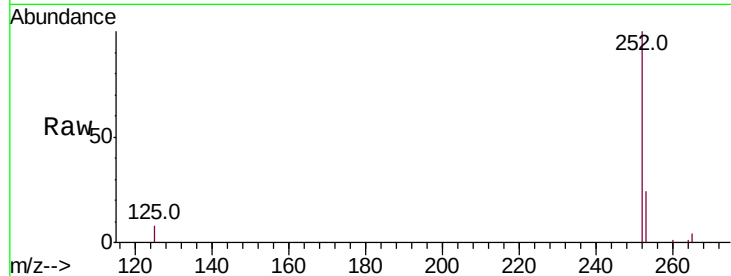
#35  
Benzo(b)fluoranthene  
Concen: 0.409 ng m  
RT: 23.19 min Scan# 2008  
Delta R.T. 0.00 min  
Lab File: BE099589.D  
Acq: 9 May 2019 13:41

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE050919

Tot Ion:252 Resp: 17003  
Ion Ratio Lower Upper  
252 100  
253 23.8 18.6 28.0  
125 8.3 6.0 9.0

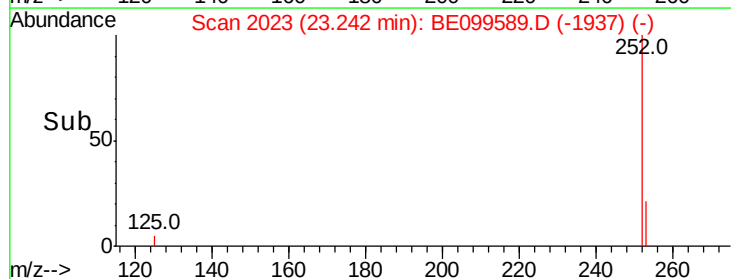
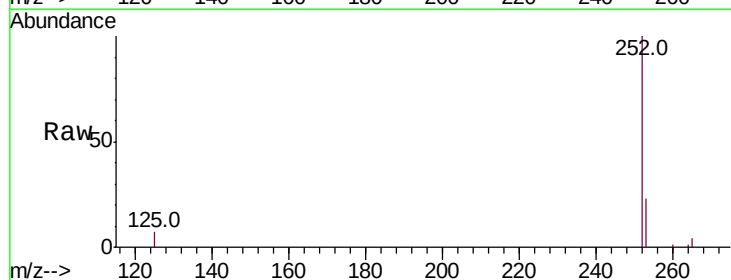
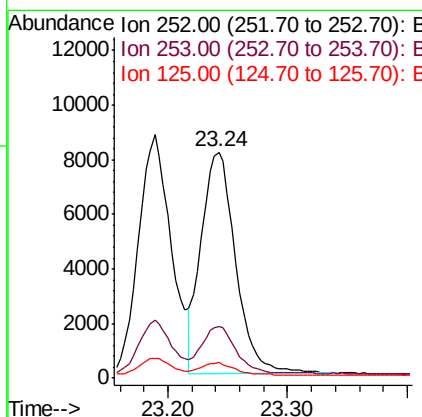
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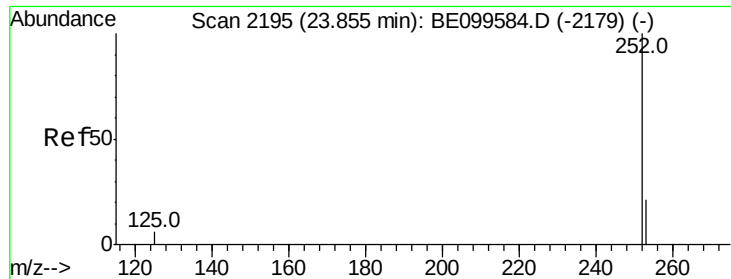
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#36  
Benzo(k)fluoranthene  
Concen: 0.394 ng  
RT: 23.24 min Scan# 2023  
Delta R.T. 0.01 min  
Lab File: BE099589.D  
Acq: 9 May 2019 13:41

Tgt Ion:252 Resp: 16273  
Ion Ratio Lower Upper  
252 100  
253 22.7 18.7 28.1  
125 6.7 5.1 7.7





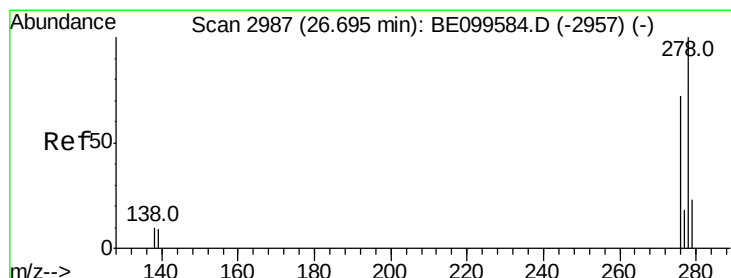
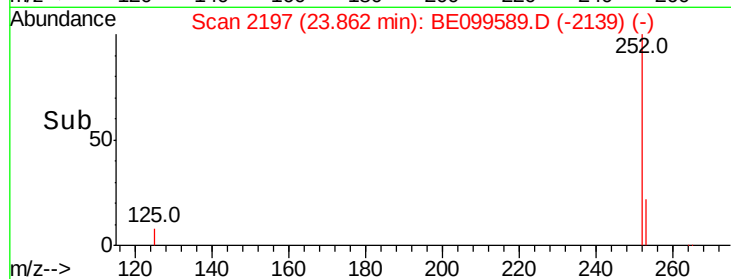
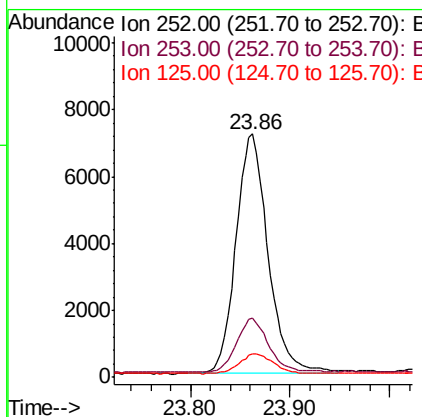
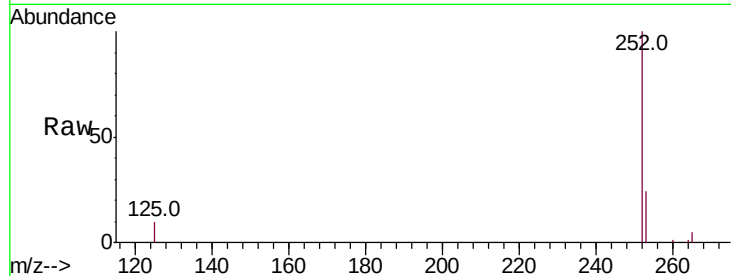
#37  
Benzo(a)pyrene  
Concen: 0.400 ng  
RT: 23.86 min Scan# 2197  
Delta R.T. 0.01 min  
Lab File: BE099589.D  
Acq: 9 May 2019 13:41

Instrument :  
BNA\_E  
ClientSampleId :  
ICVBE050919

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.1  | 18.6  | 27.8  |
| 125     | 9.5   | 6.4   | 9.6   |

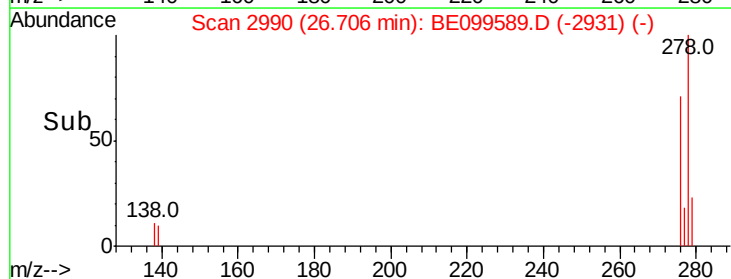
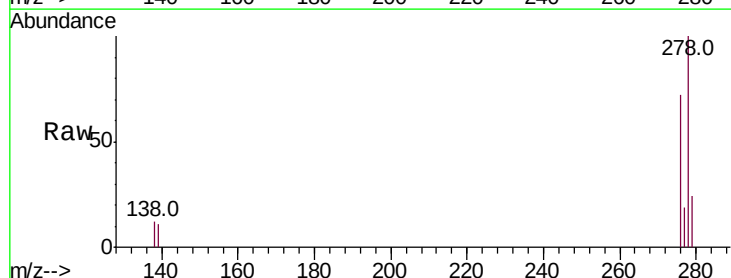
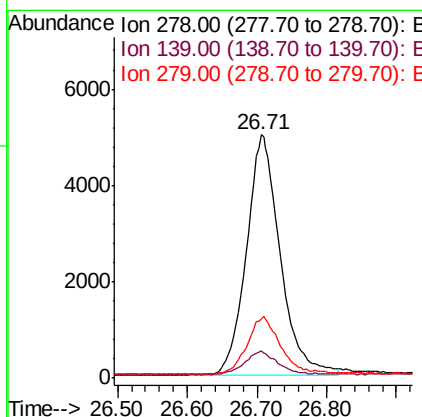
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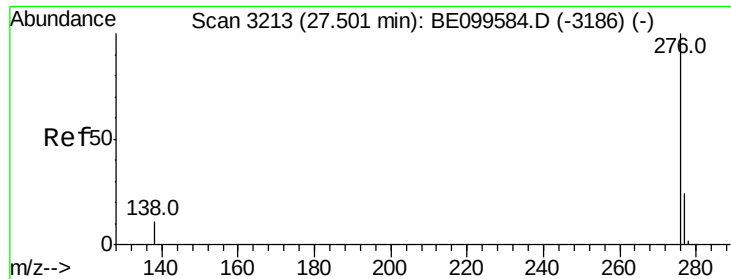
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#38  
Dibenzo(a,h)anthracene  
Concen: 0.402 ng  
RT: 26.71 min Scan# 2990  
Delta R.T. 0.01 min  
Lab File: BE099589.D  
Acq: 9 May 2019 13:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 11.1  | 8.3   | 12.5  |
| 279     | 24.1  | 19.4  | 29.2  |





#39

Benzo(a,h,i)perylene

Concen: 0.408 ng

RT: 27.51 min Scan# 3216

Delta R.T. 0.01 min

Lab File: BE099589.D

Acq: 9 May 2019 13:41

Instrument :

BNA\_E

ClientSampleId :

ICVBE050919

Tot Ion: 276 Resp: 17391

Ion Ratio Lower Upper

276 100

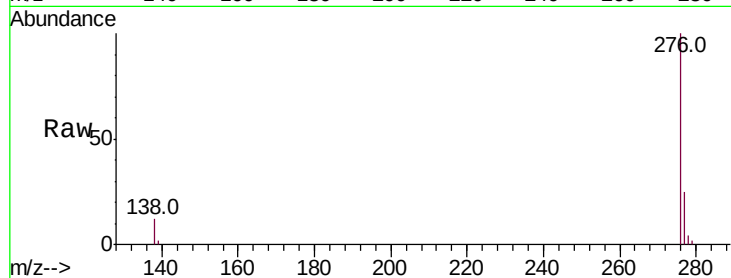
277 24.7 19.8 29.6

138 11.8 9.4 14.2

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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

