

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE032919\  
 Data File : BE099255.D  
 Acq On : 29 Mar 2019 15:13  
 Operator : JU/SJ  
 Sample : K1982-09  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-027-SW012-032519

Manual Integrations  
 APPROVED

Sohil  
 4/1/2019 5:45:07 PM

Quant Time: Mar 29 23:19:04 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE032519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Mar 26 07:02:06 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 3622     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.63 | 136  | 15666    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 12046    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.20 | 188  | 36101    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.38 | 240  | 43739    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.89 | 264  | 43686    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol           | 5.41  | 112 | 1683  | 0.16 | ng | 0.00 |
| 5) Phenol-d6                | 6.99  | 99  | 2500  | 0.15 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.99  | 82  | 2008  | 0.16 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152 | 4646  | 0.15 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330 | 728   | 0.34 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.10 | 172 | 6801  | 0.14 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.24 | 212 | 61955 | 0.14 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.83 | 244 | 9924  | 0.10 | ng | 0.00 |

#### Target Compounds

|                                |       |     |        |       | Qvalue |       |
|--------------------------------|-------|-----|--------|-------|--------|-------|
| 9) Naphthalene                 | 10.67 | 128 | 8127   | 0.044 | ng     | # 97  |
| 12) 2-Methylnaphthalene        | 12.30 | 142 | 1497   | 0.045 | ng     | 95    |
| 16) Acenaphthylene             | 14.20 | 152 | 2492   | 0.041 | ng     | # 91  |
| 17) Acenaphthene               | 14.54 | 154 | 7460   | 0.203 | ng     | 100   |
| 18) Fluorene                   | 15.50 | 166 | 8957   | 0.173 | ng     | # 98  |
| 23) Phenanthrene               | 17.24 | 178 | 230866 | 2.178 | ng     | 100   |
| 24) Anthracene                 | 17.34 | 178 | 47217  | 0.493 | ng     | # 94  |
| 26) Fluoranthene               | 19.26 | 202 | 365150 | 2.699 | ng     | 99    |
| 28) Pyrene                     | 19.63 | 202 | 324463 | 2.233 | ng     | # 95  |
| 30) Benzo(a)anthracene         | 21.37 | 228 | 212851 | 1.475 | ng     | 98    |
| 31) Chrysene                   | 21.41 | 228 | 171940 | 1.115 | ng     | 96    |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 9898   | 0.057 | ng     | # 100 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.54 | 276 | 66820  | 0.458 | ng     | # 96  |
| 35) Benzo(b)fluoranthene       | 23.12 | 252 | 183127 | 1.274 | ng     | 98    |
| 36) Benzo(k)fluoranthene       | 23.16 | 252 | 76825m | 0.505 | ng     |       |
| 37) Benzo(a)pyrene             | 23.77 | 252 | 132706 | 0.988 | ng     | 98    |
| 38) Dibenzo(a,h)anthracene     | 26.56 | 278 | 18073  | 0.152 | ng     | # 90  |
| 39) Benzo(g,h,i)perylene       | 27.36 | 276 | 62742  | 0.525 | ng     | 97    |

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

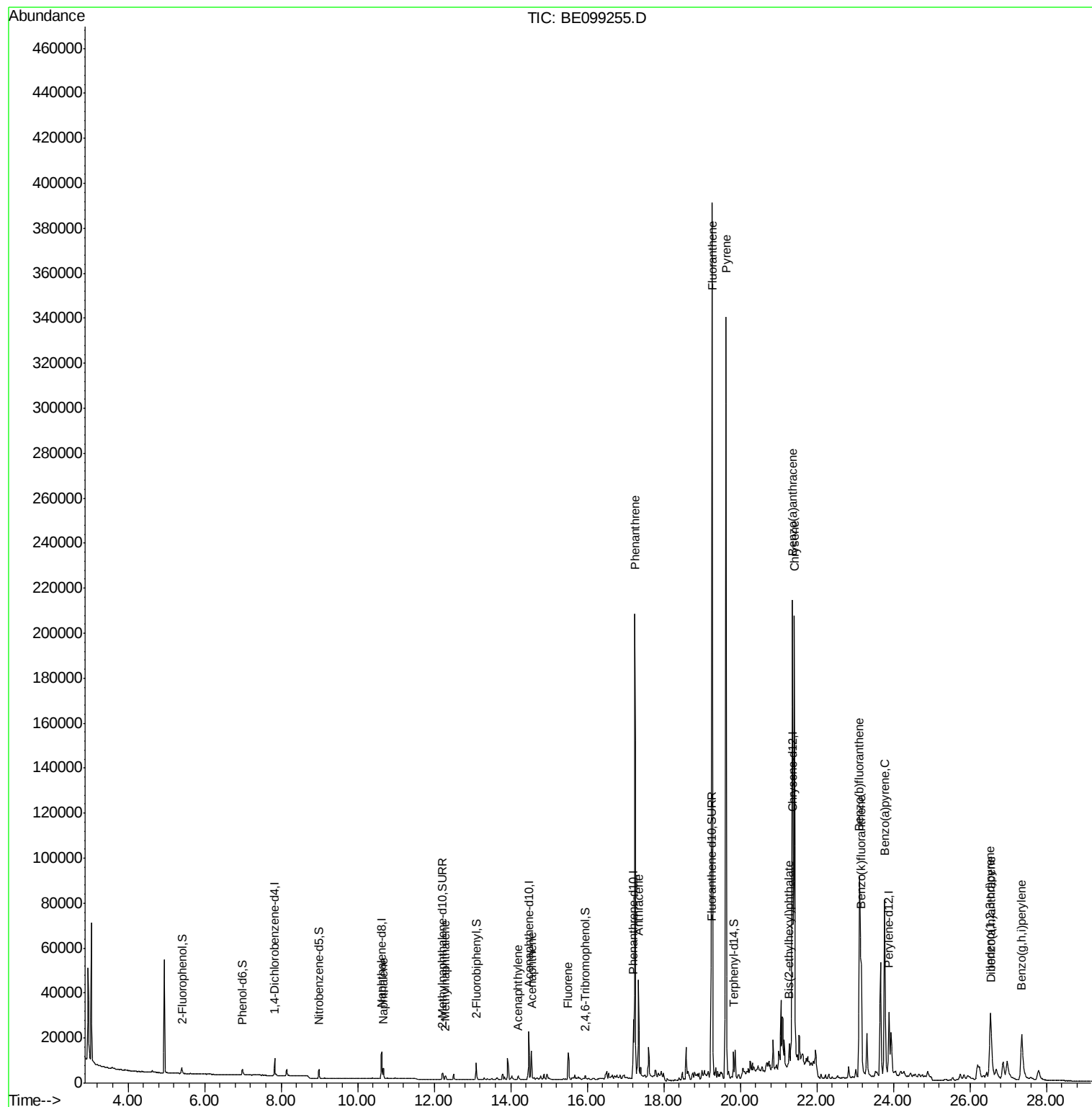
Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE032919\  
Data File : BE099255.D  
Acq On : 29 Mar 2019 15:13  
Operator : JU/SJ  
Sample : K1982-09  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-027-SW012-032519

Quant Time: Mar 29 23:19:04 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE032519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 26 07:02:06 2019  
Response via : Initial Calibration

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#1

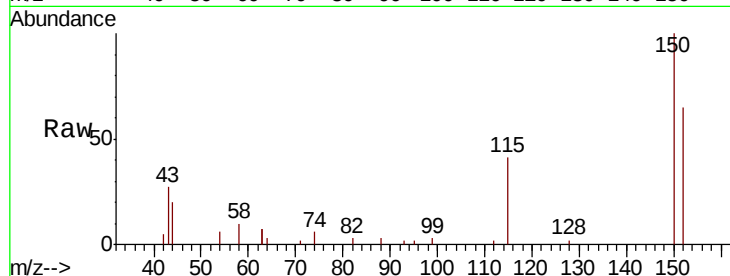
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.83 min Scan# 431  
Delta R.T. -0.01 min  
Lab File: BE099255.D  
Acq: 29 Mar 2019 15:13

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-027-SW012-032519

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.8 | 112.8 | 169.2 |
| 115     | 63.4  | 45.1  | 67.7  |

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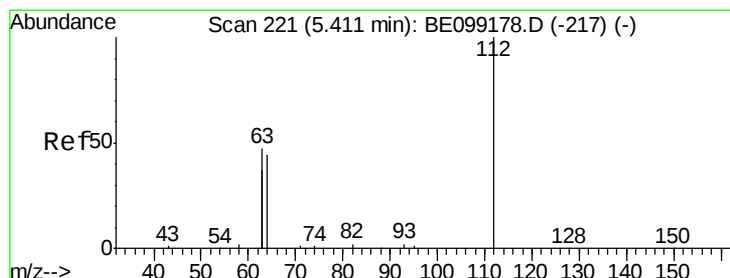
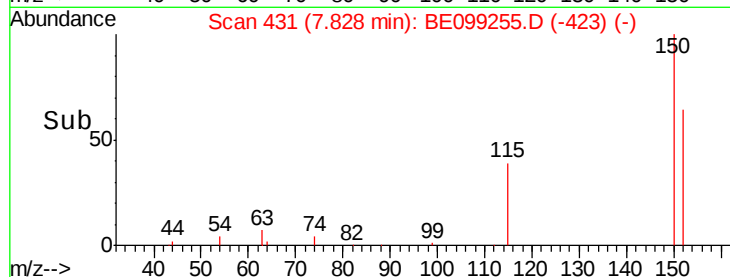
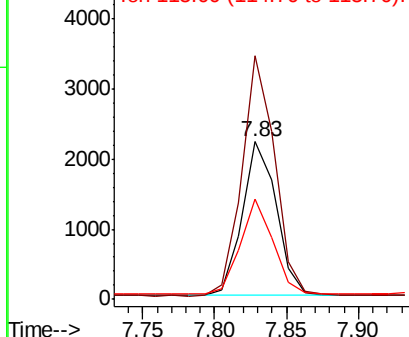


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

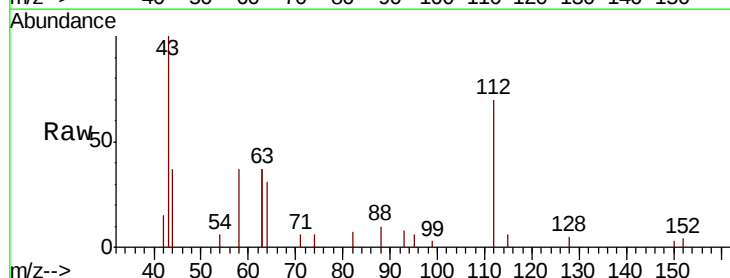
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol  
Concen: 0.156 ng  
RT: 5.41 min Scan# 221  
Delta R.T. -0.00 min  
Lab File: BE099255.D  
Acq: 29 Mar 2019 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.7  | 46.2  | 69.2  |
| 63      | 134.0 | 89.9  | 134.9 |

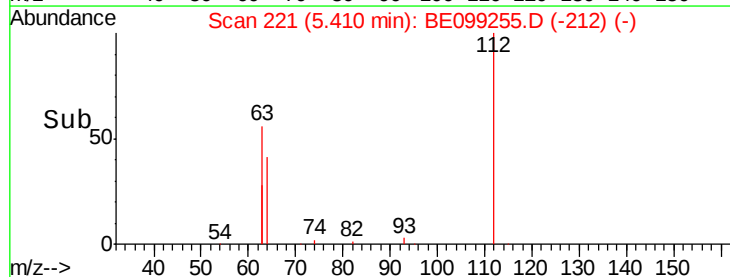
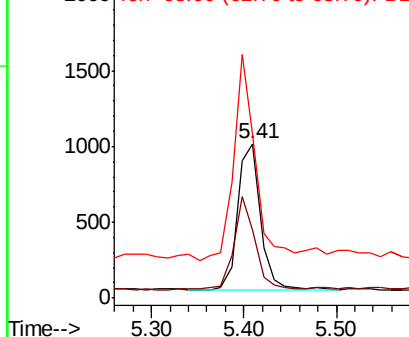


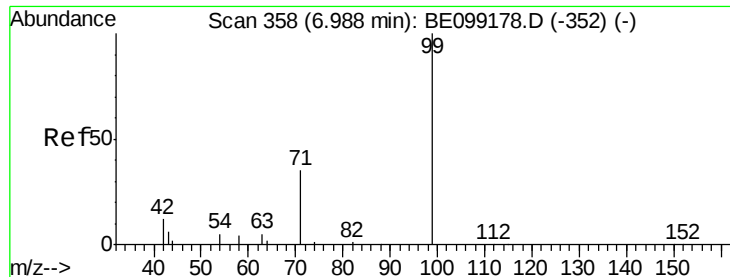
Abundance

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: 0.151 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099255.D

Acq: 29 Mar 2019 15:13

Instrument :

BNA\_E

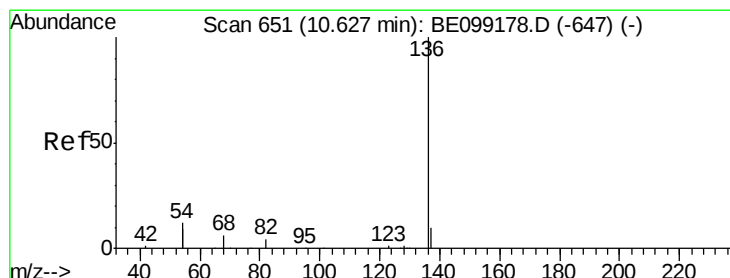
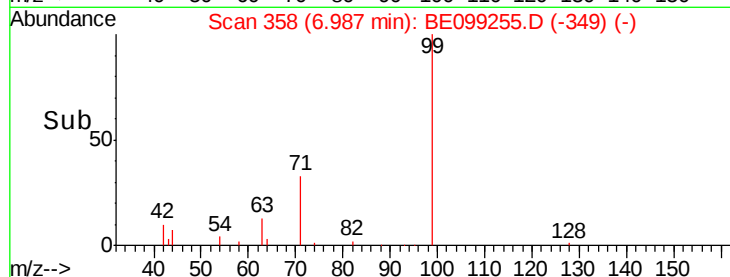
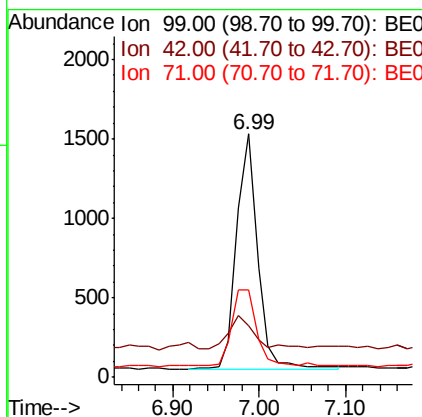
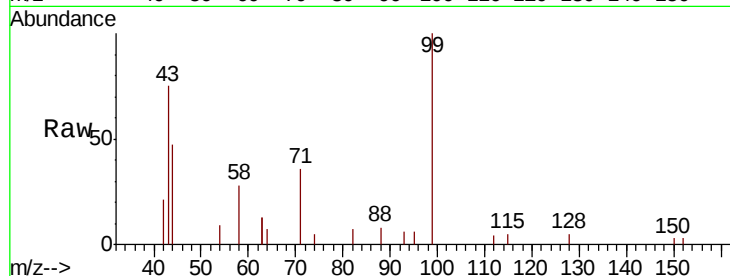
ClientSampleId :

EXT-027-SW012-032519

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 2500  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 17.4  | 12.4  | 18.6  |
| 71       | 38.7  | 28.4  | 42.6  |

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#7

Naphthalene-d8

Concen: 0.400 ng

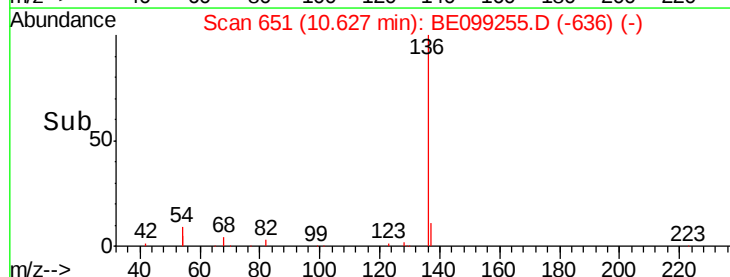
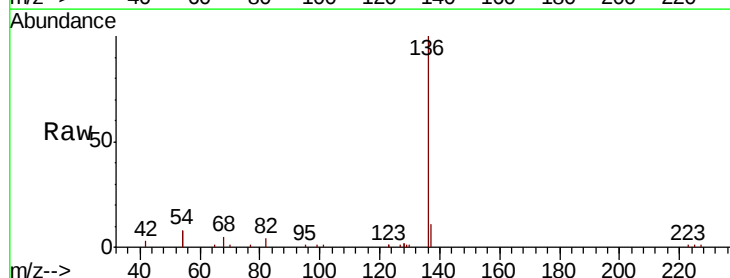
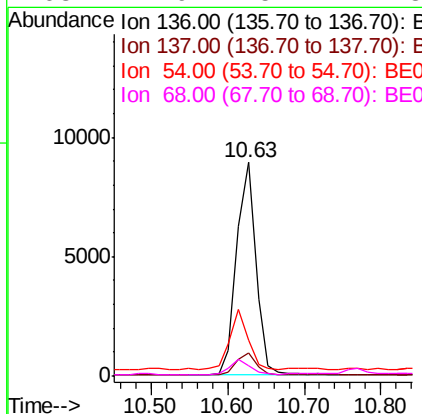
RT: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE099255.D

Acq: 29 Mar 2019 15:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 15666 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.1  | 8.7   | 13.1  |
| 54       | 17.0  | 18.7  | 28.1# |
| 68       | 4.9   | 5.2   | 7.8#  |





#8

Nitrobenzene-d5

Concen: 0.157 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099255.D

Acq: 29 Mar 2019 15:13

Instrument :

BNA\_E

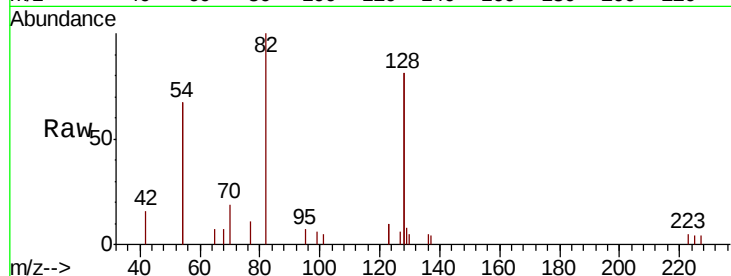
ClientSampleId :

EXT-027-SW012-032519

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 2008   |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 162.2 | 107.5 | 161.3# |
| 54        | 134.3 | 106.3 | 159.5  |

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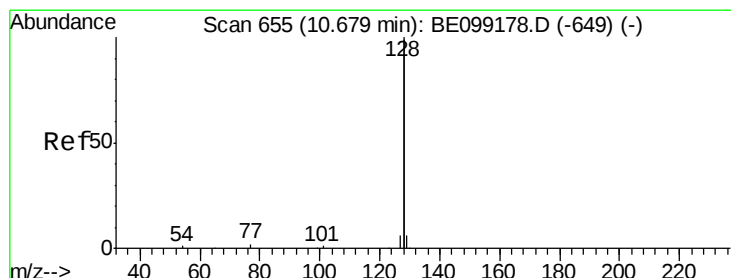
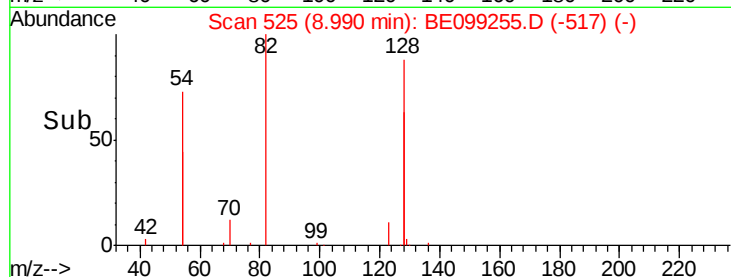
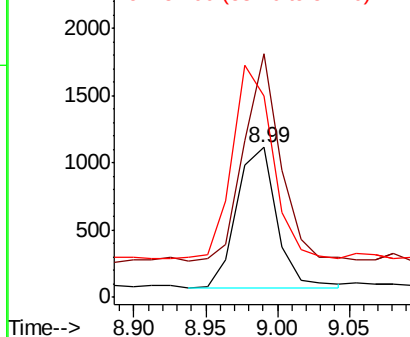


Abundance

Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.044 ng

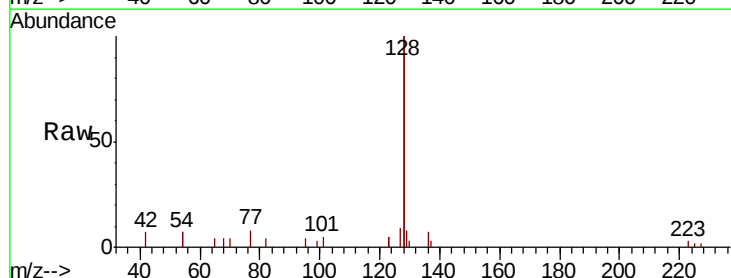
RT: 10.67 min Scan# 654

Delta R.T. -0.01 min

Lab File: BE099255.D

Acq: 29 Mar 2019 15:13

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 8127 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 3.9   | 2.3   | 3.5# |
| 127       | 4.4   | 2.6   | 3.8# |

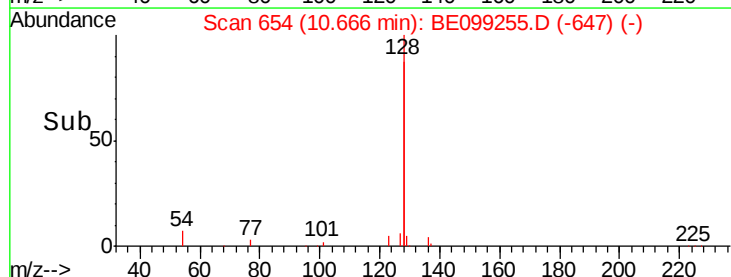
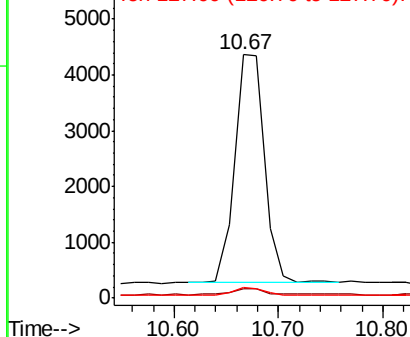


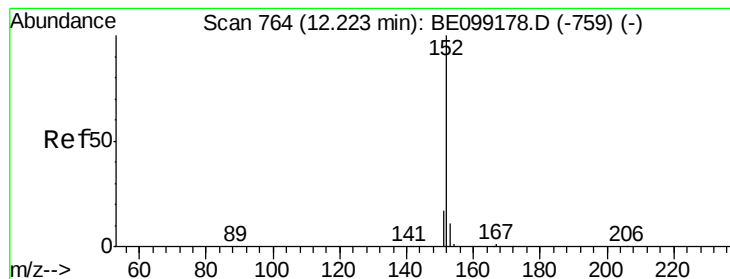
Abundance

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





#11

2-Methylnaphthalene-d10

Concen: 0.154 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099255.D

Acq: 29 Mar 2019 15:13

Instrument :

BNA\_E

ClientSampleId :

EXT-027-SW012-032519

Tgt Ion:152 Resp: 4646

Ion Ratio Lower Upper

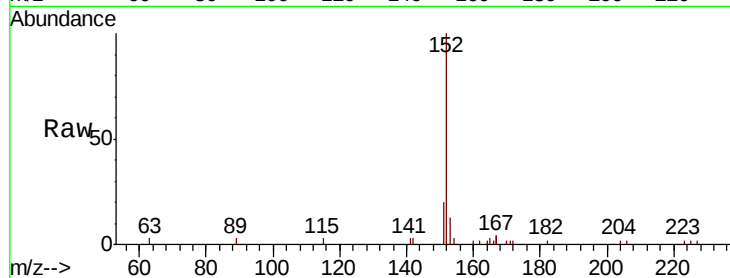
152 100

151 18.3 15.0 22.6

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.22

2500

2000

1500

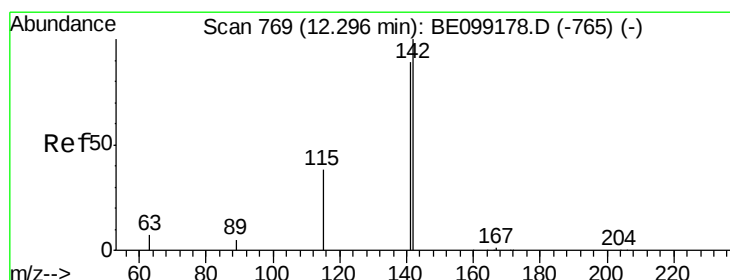
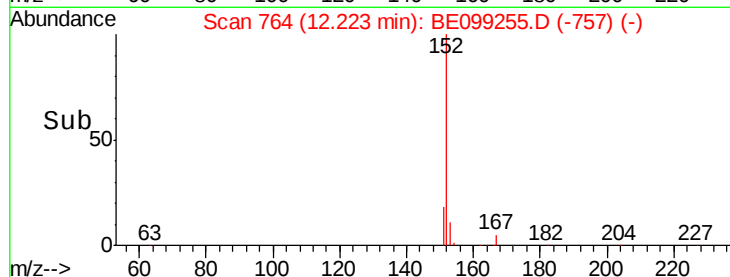
1000

500

0

Time-->

12.10 12.20 12.30



#12

2-Methylnaphthalene

Concen: 0.045 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099255.D

Acq: 29 Mar 2019 15:13

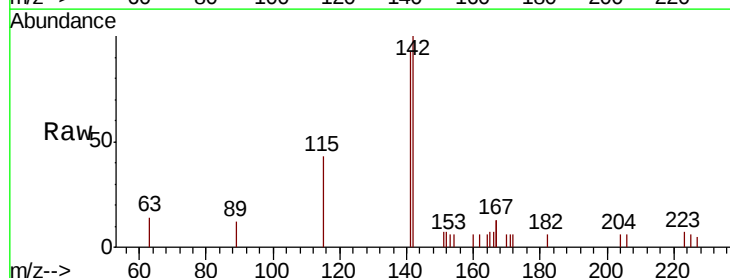
Tgt Ion:142 Resp: 1497

Ion Ratio Lower Upper

142 100

141 92.8 71.3 106.9

115 42.8 30.4 45.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.30

1000

800

600

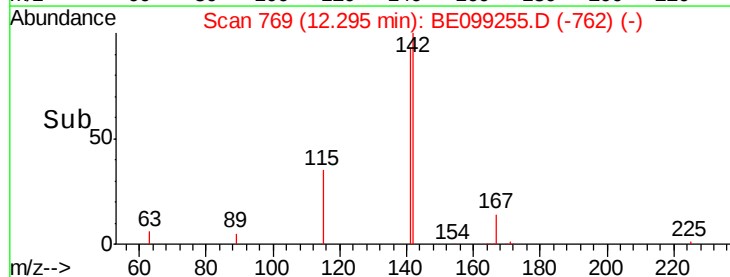
400

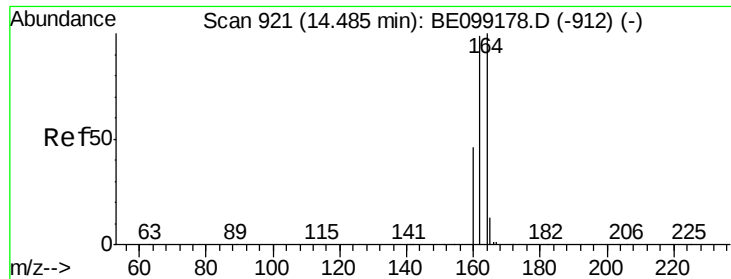
200

0

Time-->

12.20 12.30 12.40





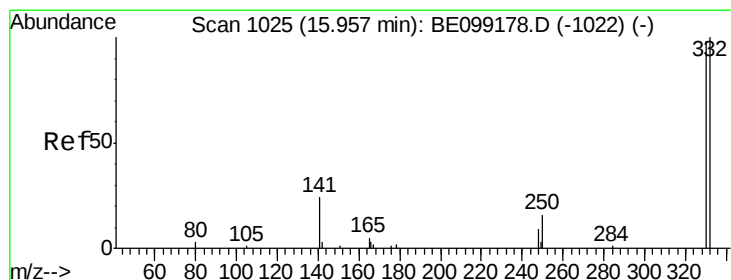
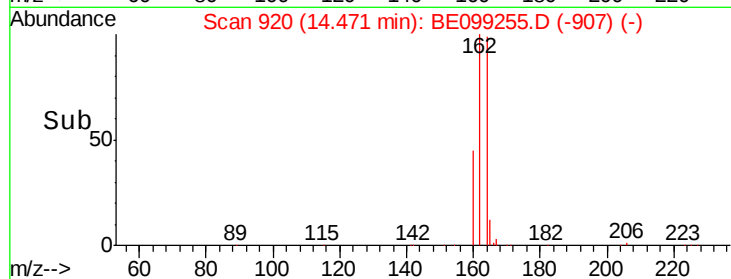
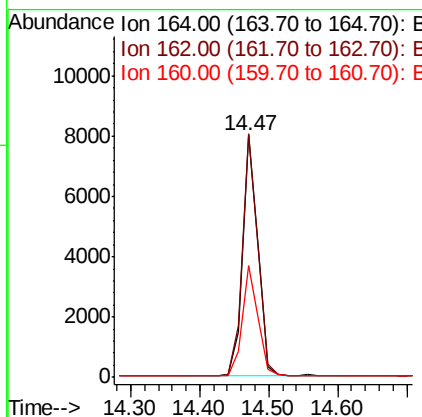
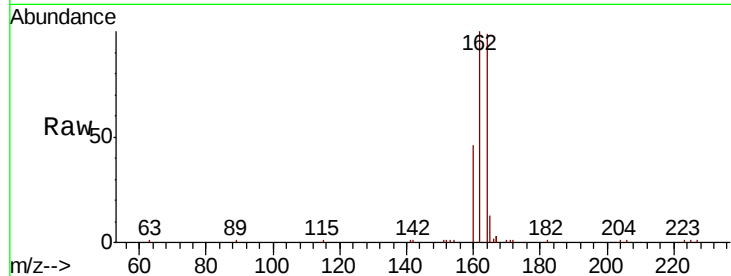
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.47 min Scan# 920  
Delta R.T. -0.01 min  
Lab File: BE099255.D  
Acq: 29 Mar 2019 15:13

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-027-SW012-032519

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.6 | 79.2  | 118.8 |
| 160     | 46.1  | 36.7  | 55.1  |

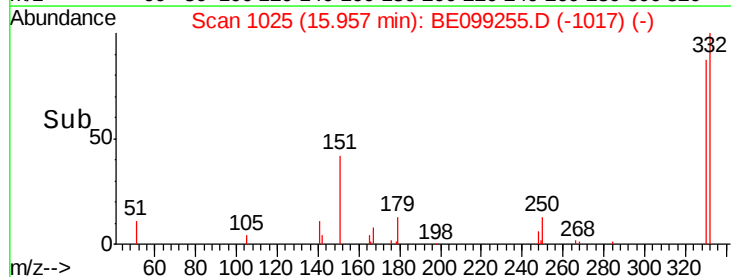
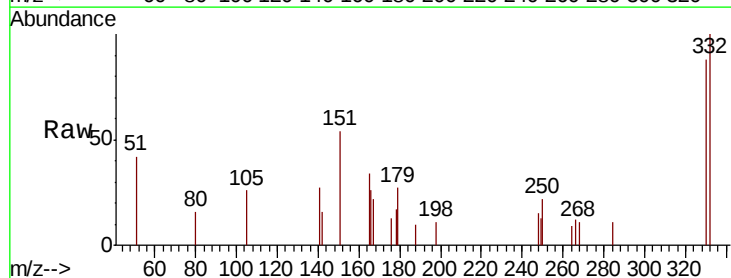
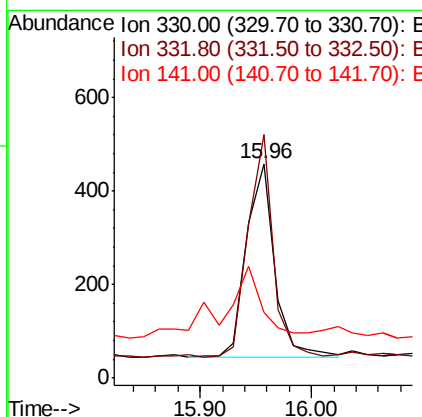
Manual Integrations  
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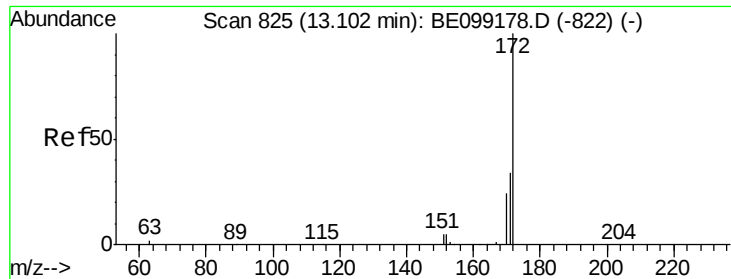
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#14  
2,4,6-Tribromophenol  
Concen: 0.337 ng  
RT: 15.96 min Scan# 1025  
Delta R.T. 0.00 min  
Lab File: BE099255.D  
Acq: 29 Mar 2019 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 101.5 | 71.3  | 106.9 |
| 141     | 37.9  | 21.7  | 32.5  |





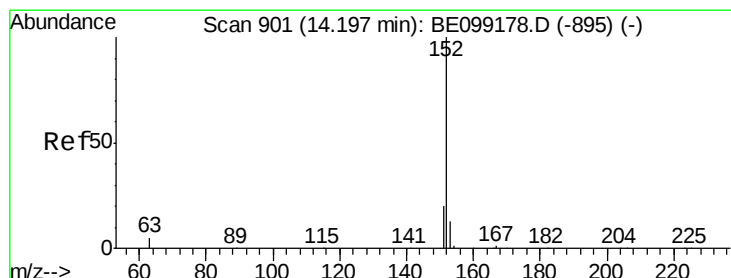
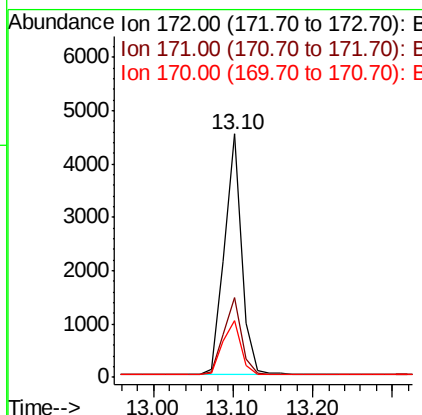
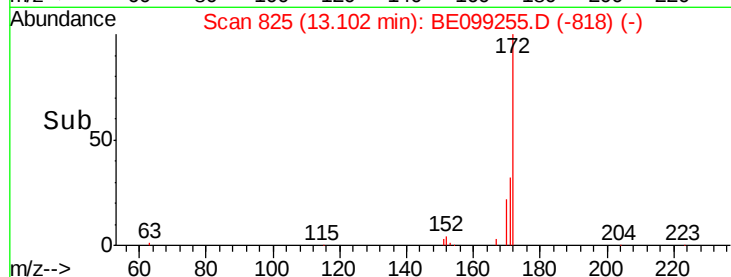
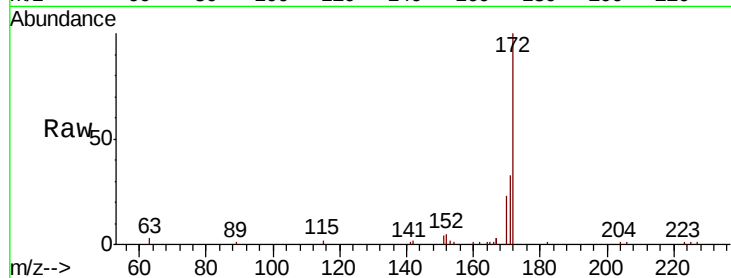
#15  
2-Fluorobiphenyl  
Concen: 0.138 ng  
RT: 13.10 min Scan# 825  
Delta R.T. -0.00 min  
Lab File: BE099255.D  
Acq: 29 Mar 2019 15:13

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-027-SW012-032519

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 32.5  | 27.4  | 41.0  |
| 170     | 23.2  | 19.1  | 28.7  |

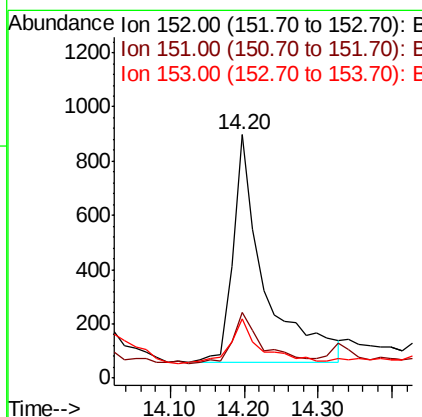
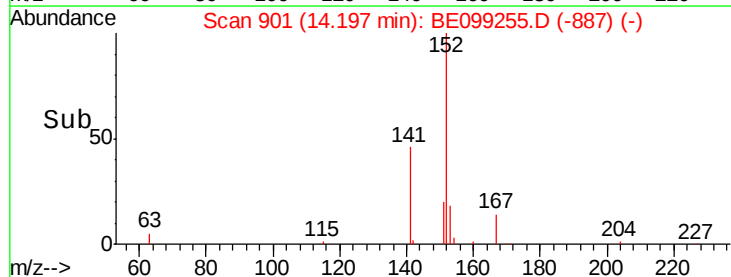
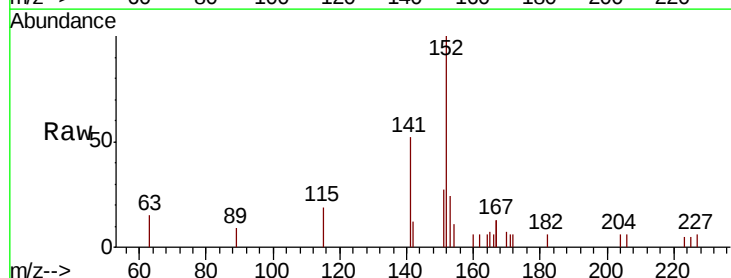
Manual Integrations  
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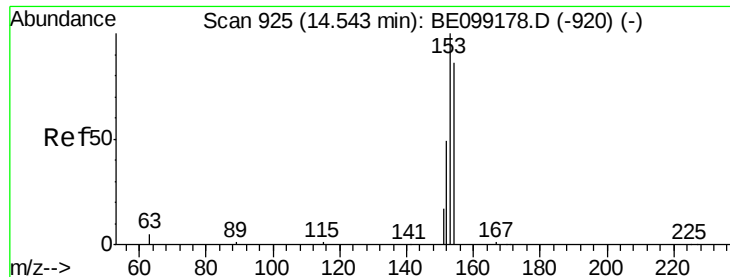
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#16  
Acenaphthylene  
Concen: 0.041 ng  
RT: 14.20 min Scan# 901  
Delta R.T. -0.00 min  
Lab File: BE099255.D  
Acq: 29 Mar 2019 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.7  | 15.7  | 23.5  |
| 153     | 19.2  | 10.6  | 15.8  |





#17

Acenaphthene

Concen: 0.203 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099255.D

Acq: 29 Mar 2019 15:13

Instrument :

BNA\_E

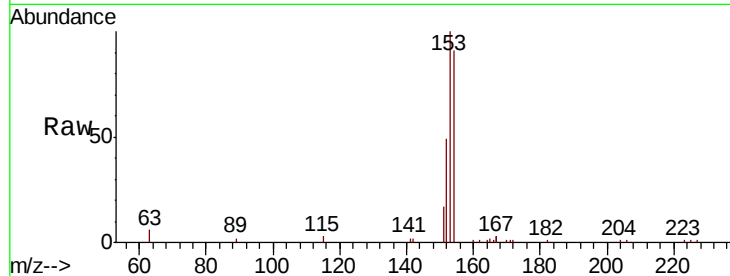
ClientSampleId :

EXT-027-SW012-032519

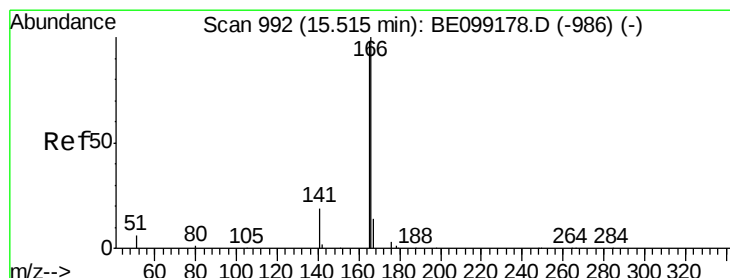
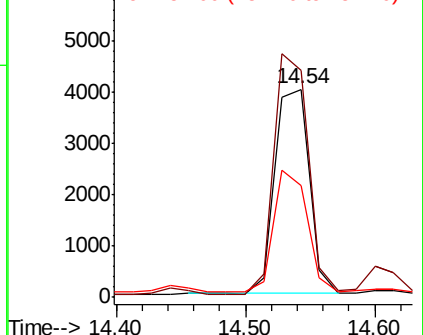
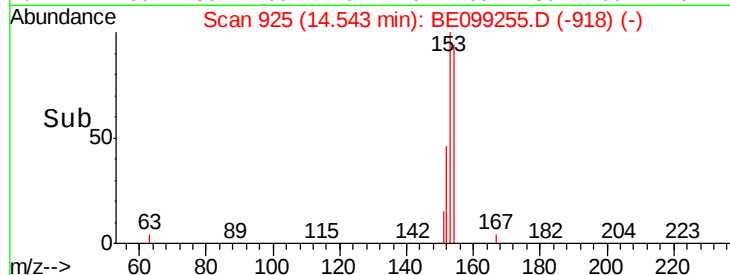
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 7460  |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 116.2 | 93.4  | 140.0 |
| 152       | 57.9  | 46.6  | 69.8  |

Manual Integrations  
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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.173 ng

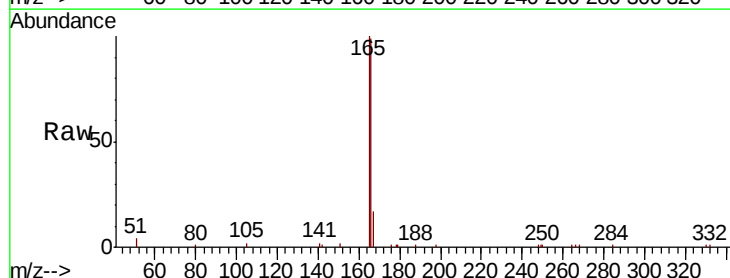
RT: 15.50 min Scan# 991

Delta R.T. -0.01 min

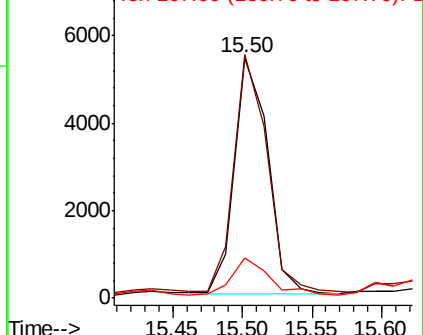
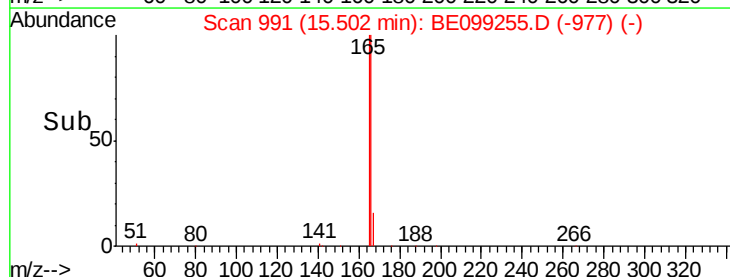
Lab File: BE099255.D

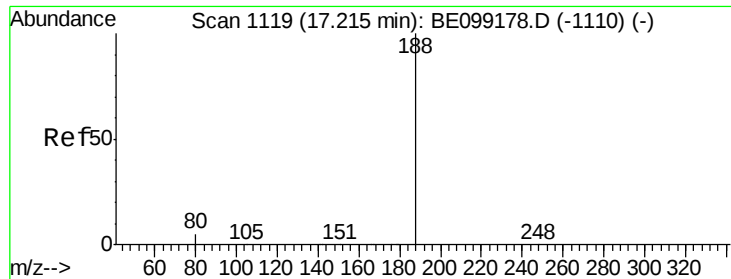
Acq: 29 Mar 2019 15:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 8957  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 99.2  | 78.9  | 118.3 |
| 167       | 17.2  | 10.9  | 16.3# |



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





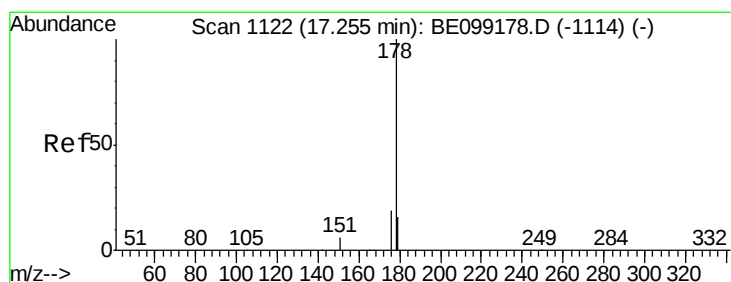
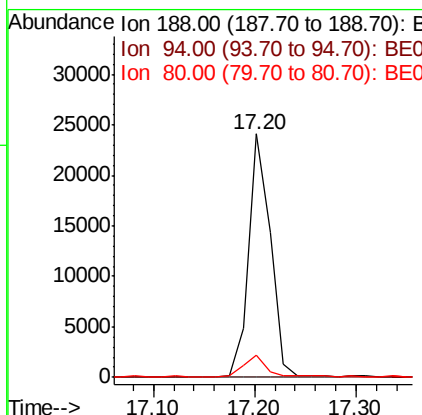
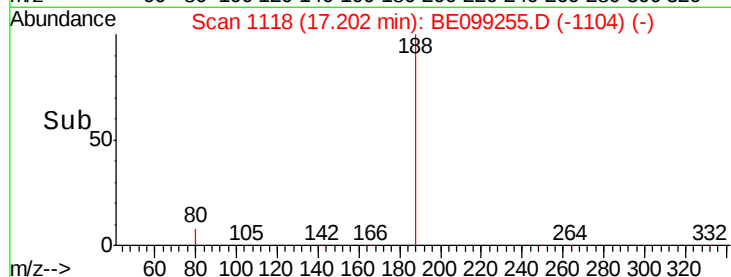
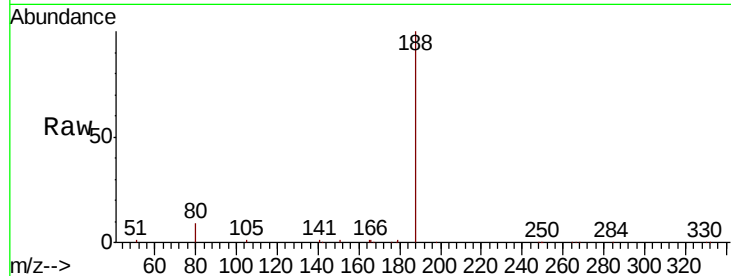
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.20 min Scan# 1118  
Delta R.T. -0.01 min  
Lab File: BE099255.D  
Acq: 29 Mar 2019 15:13

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-027-SW012-032519

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 0.0   | 0.0        | 0.0        |
| 80      | 8.9   | 4.5        | 6.7        |

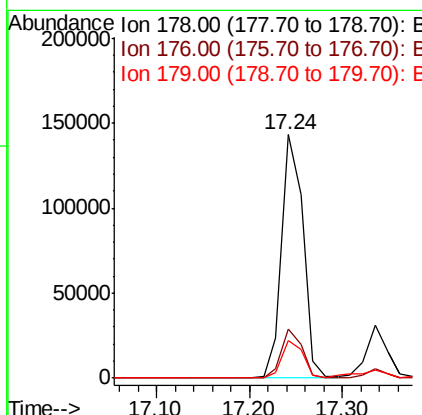
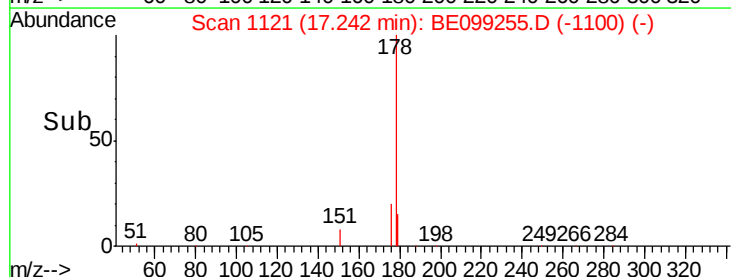
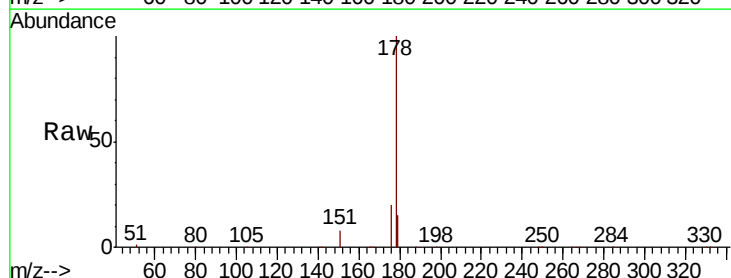
Manual Integrations  
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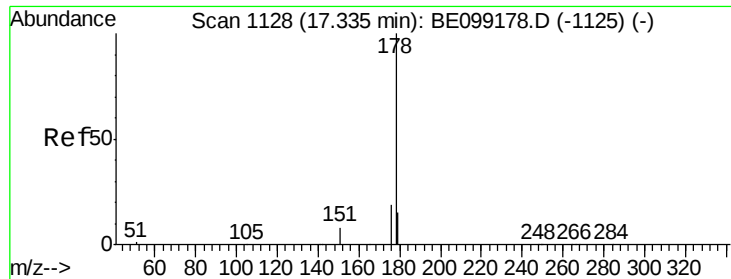
Sohil  
4/1/2019 5:45:07 PM



#23  
Phenanthrene  
Concen: 2.178 ng  
RT: 17.24 min Scan# 1121  
Delta R.T. -0.01 min  
Lab File: BE099255.D  
Acq: 29 Mar 2019 15:13

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 178     | 100   |            |            |
| 176     | 19.3  | 15.4       | 23.2       |
| 179     | 15.4  | 12.3       | 18.5       |





#24

Anthracene

Concen: 0.493 ng

RT: 17.34 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BE099255.D

Acq: 29 Mar 2019 15:13

Instrument :

BNA\_E

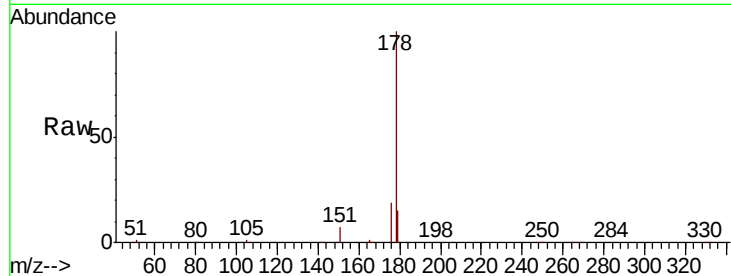
ClientSampleId :

EXT-027-SW012-032519

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 47217 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 18.0  | 15.1  | 22.7  |
| 179       | 20.0  | 12.4  | 18.6  |

Manual Integrations  
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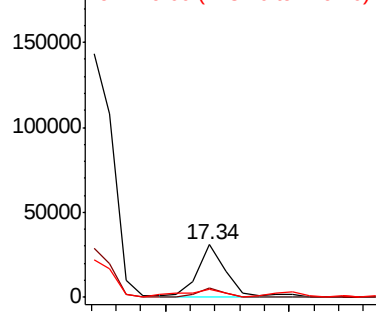


Abundance

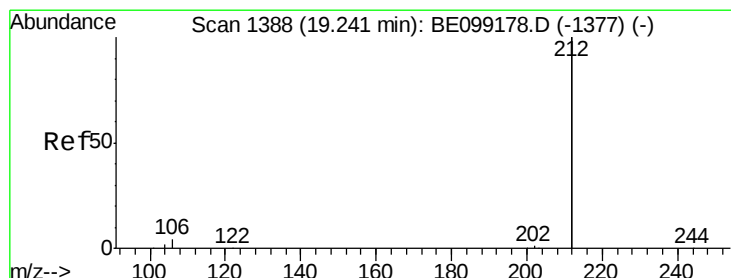
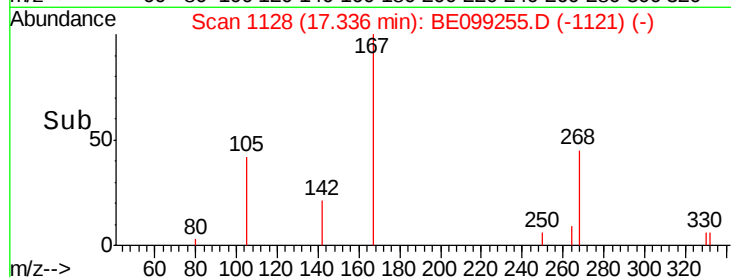
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.142 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099255.D

Acq: 29 Mar 2019 15:13

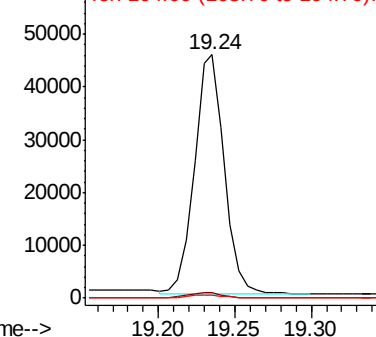
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 61955 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 2.4   | 1.8   | 2.8   |
| 104       | 1.4   | 1.1   | 1.7   |

Abundance

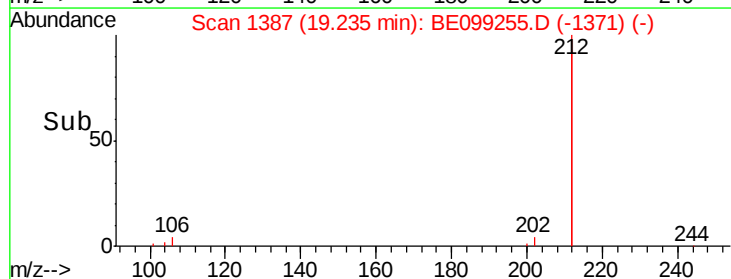
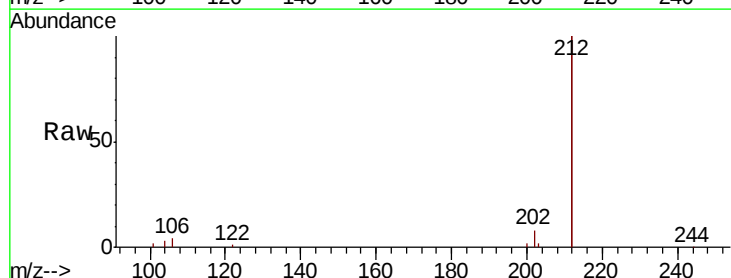
Ion 212.00 (211.70 to 212.70): E

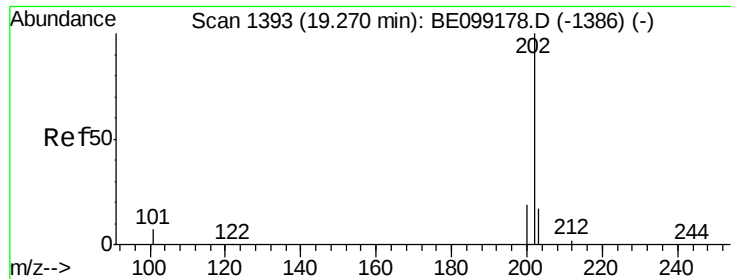
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





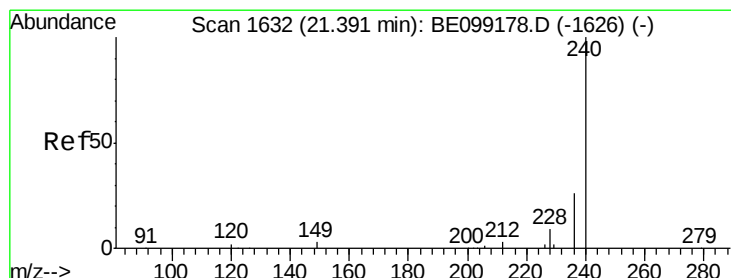
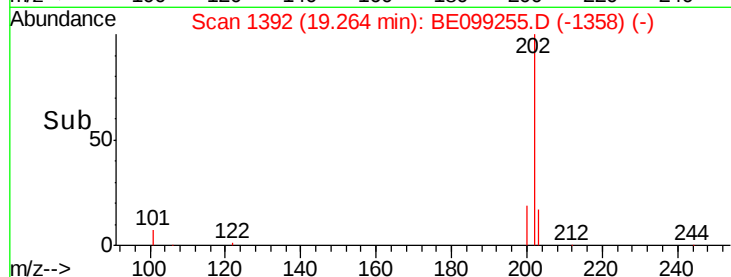
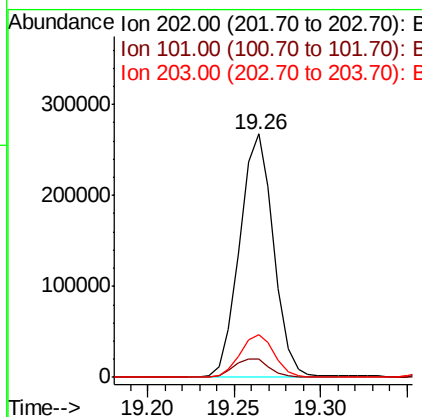
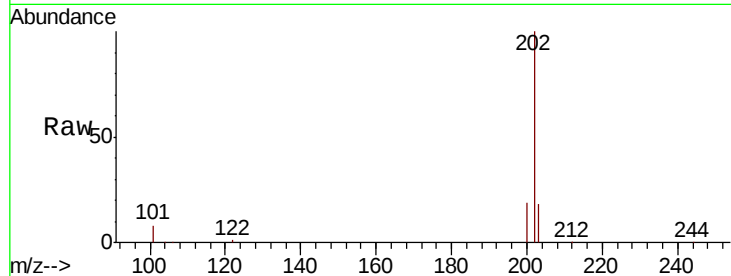
#26  
 Fluoranthene  
 Concen: 2.699 ng  
 RT: 19.26 min Scan# 1392  
 Delta R.T. -0.01 min  
 Lab File: BE099255.D  
 Acq: 29 Mar 2019 15:13

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-027-SW012-032519

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 8.0   | 7.0        | 10.4       |
| 203     | 17.6  | 13.8       | 20.6       |

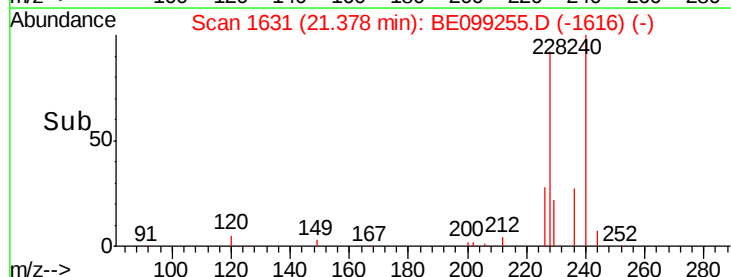
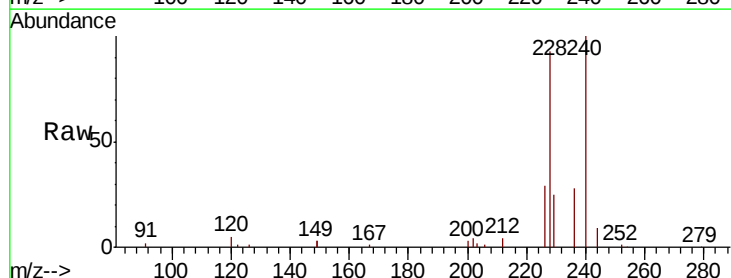
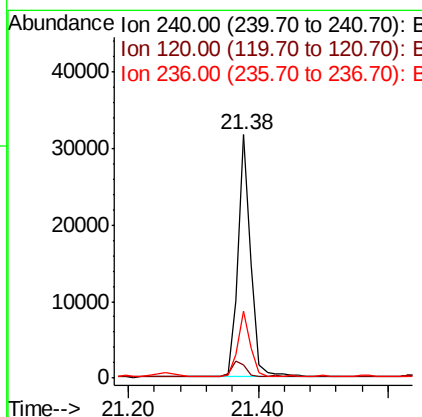
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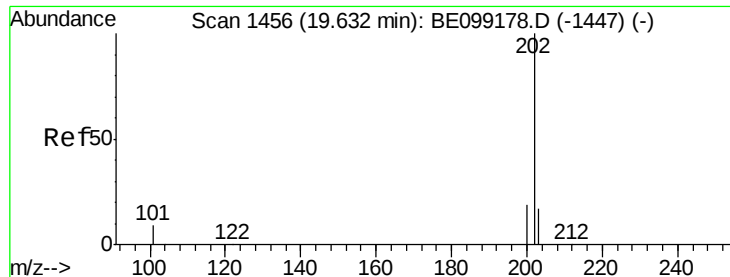
Sohil  
 4/1/2019 5:45:07 PM



#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.38 min Scan# 1631  
 Delta R.T. -0.01 min  
 Lab File: BE099255.D  
 Acq: 29 Mar 2019 15:13

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 240     | 100   |            |            |
| 120     | 5.4   | 2.6        | 3.8#       |
| 236     | 27.7  | 20.9       | 31.3       |





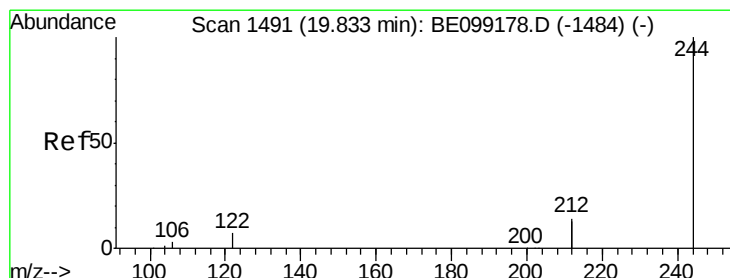
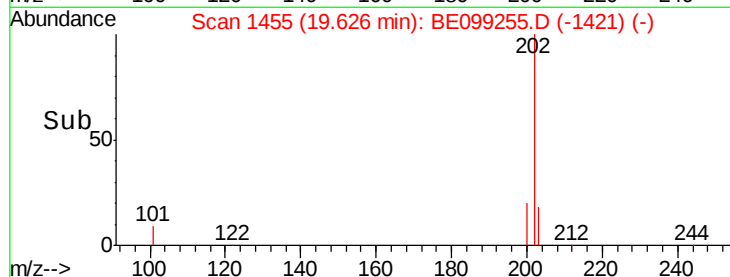
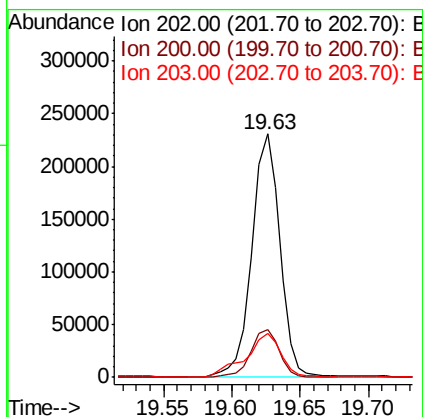
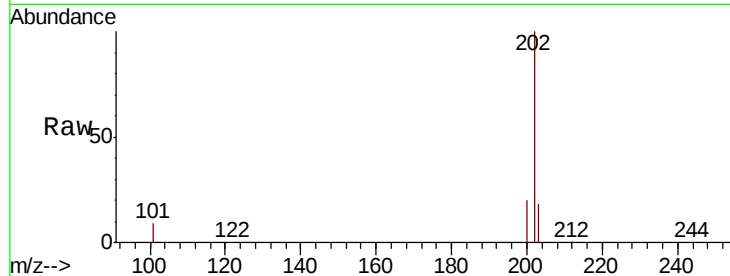
#28  
 Pyrene  
 Concen: 2.233 ng  
 RT: 19.63 min Scan# 1455  
 Delta R.T. -0.01 min  
 Lab File: BE099255.D  
 Acq: 29 Mar 2019 15:13

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-027-SW012-032519

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.0  | 15.8  | 23.8  |
| 203     | 22.4  | 14.1  | 21.1  |

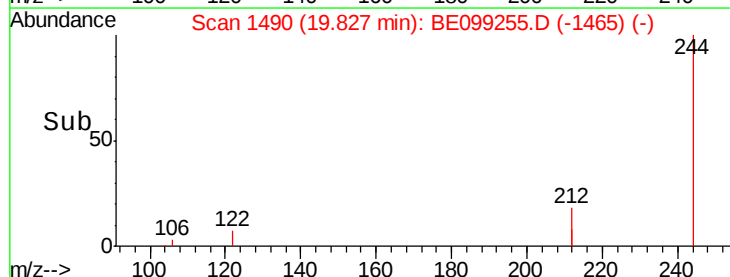
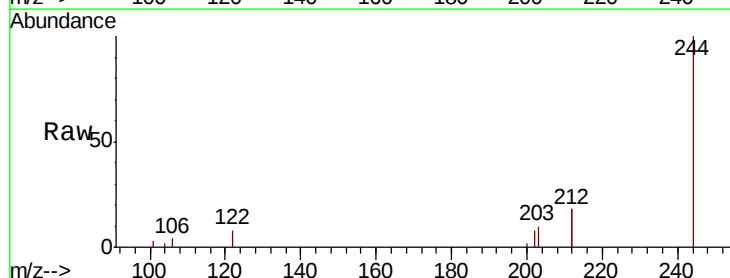
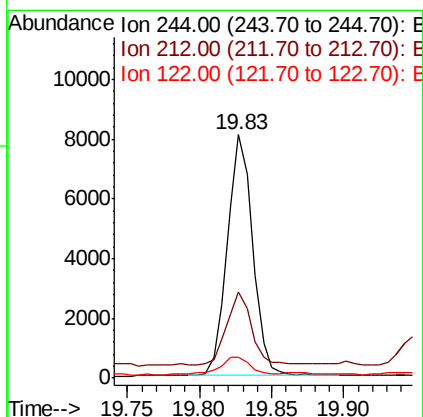
Manual Integrations  
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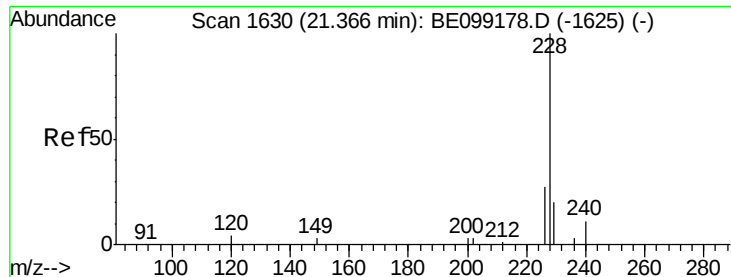
Sohil  
 4/1/2019 5:45:07 PM



#29  
 Terphenyl-d14  
 Concen: 0.104 ng  
 RT: 19.83 min Scan# 1490  
 Delta R.T. -0.01 min  
 Lab File: BE099255.D  
 Acq: 29 Mar 2019 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 35.4  | 22.7  | 34.1  |
| 122     | 8.3   | 5.8   | 8.6   |





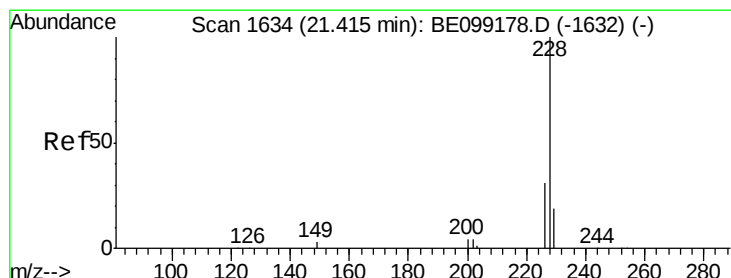
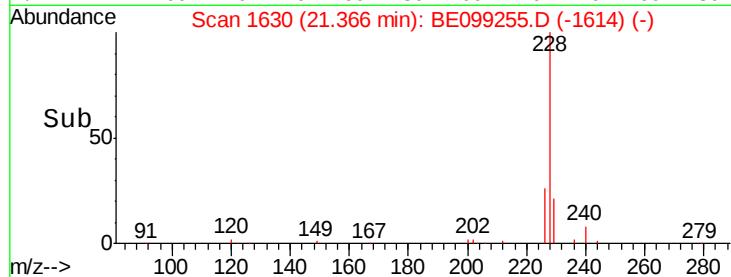
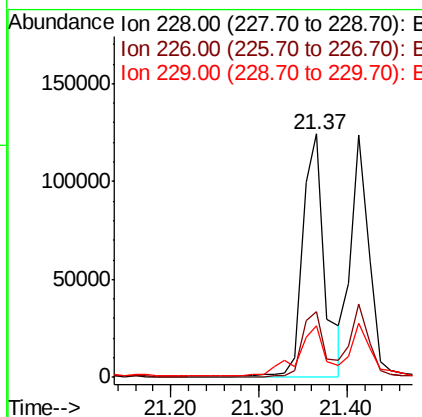
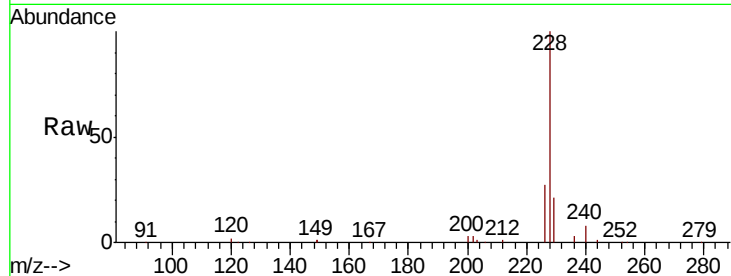
#30  
Benzo(a)anthracene  
Concen: 1.475 ng  
RT: 21.37 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: BE099255.D  
Acq: 29 Mar 2019 15:13

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-027-SW012-032519

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.9  | 21.7  | 32.5  |
| 229     | 21.5  | 15.9  | 23.9  |

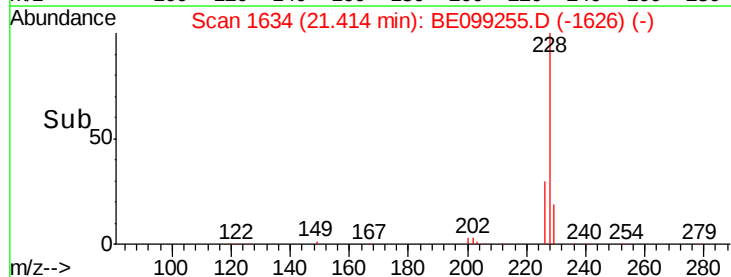
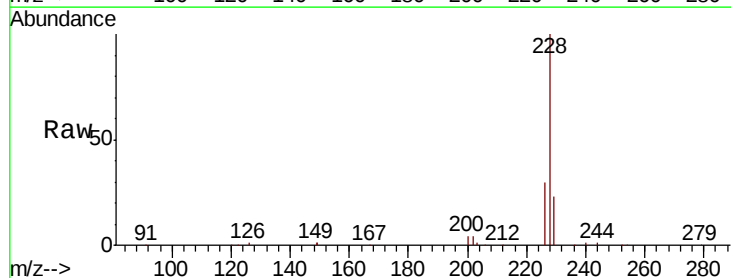
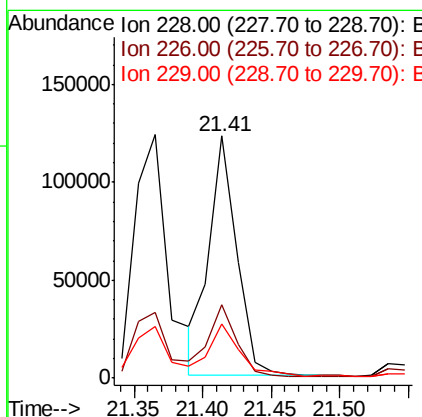
Manual Integrations  
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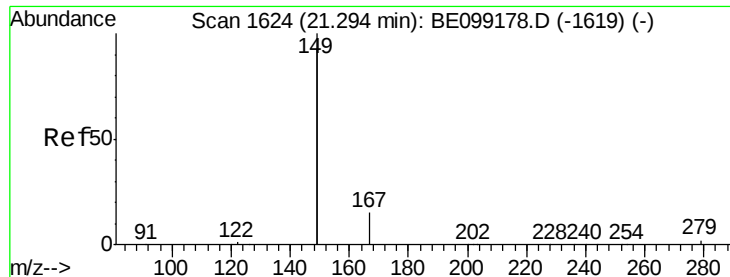
Sohil  
4/1/2019 5:45:07 PM



#31  
Chrysene  
Concen: 1.115 ng  
RT: 21.41 min Scan# 1634  
Delta R.T. -0.00 min  
Lab File: BE099255.D  
Acq: 29 Mar 2019 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.2  | 24.8  | 37.2  |
| 229     | 22.6  | 15.4  | 23.0  |





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.057 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099255.D

Acq: 29 Mar 2019 15:13

Instrument :

BNA\_E

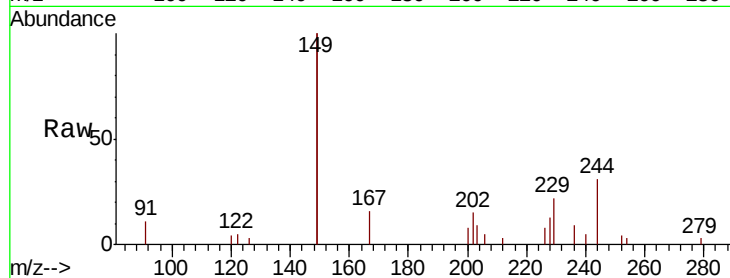
ClientSampleId :

EXT-027-SW012-032519

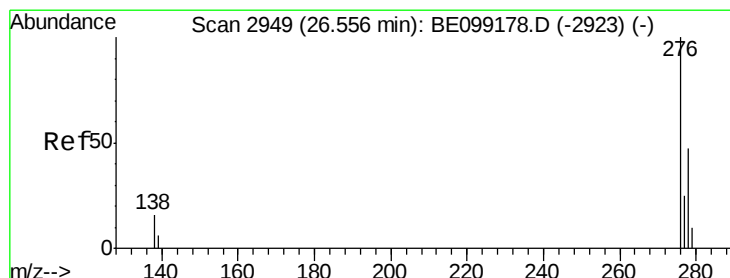
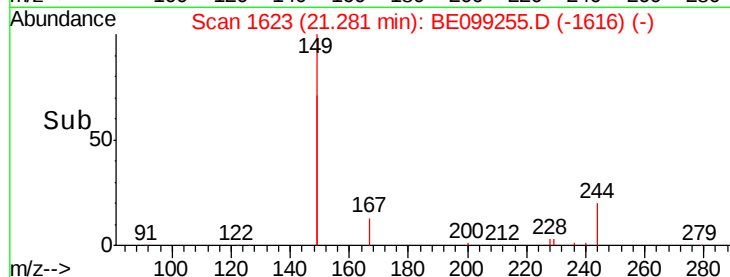
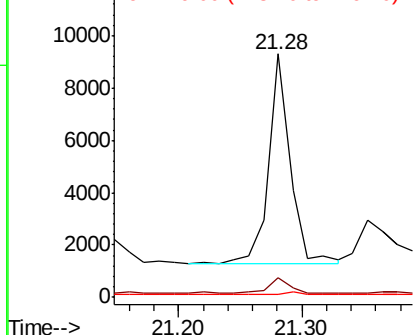
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 9898 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 7.4   | 5.9   | 8.9  |
| 279       | 1.6   | 1.0   | 1.6# |

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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: 0.458 ng

RT: 26.54 min Scan# 2944

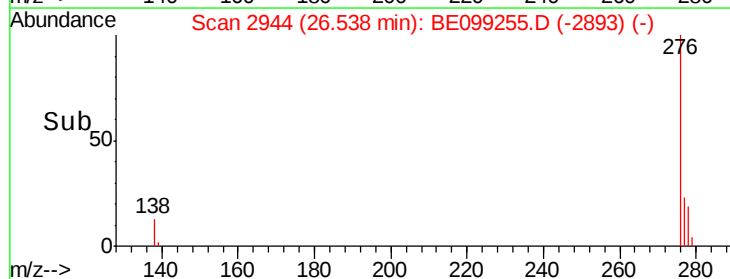
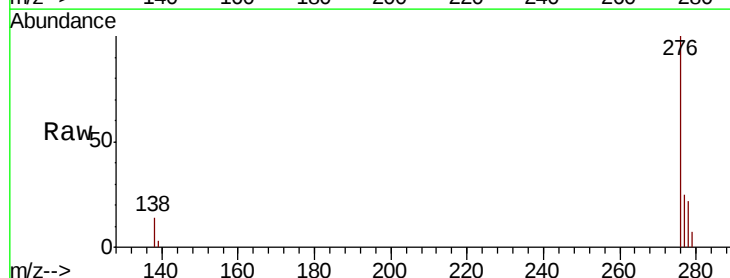
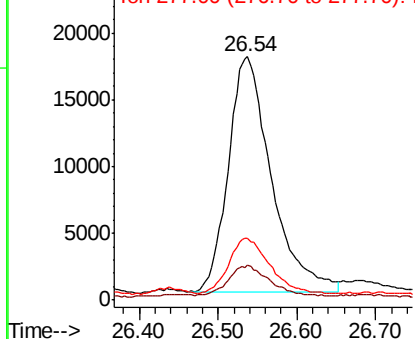
Delta R.T. -0.02 min

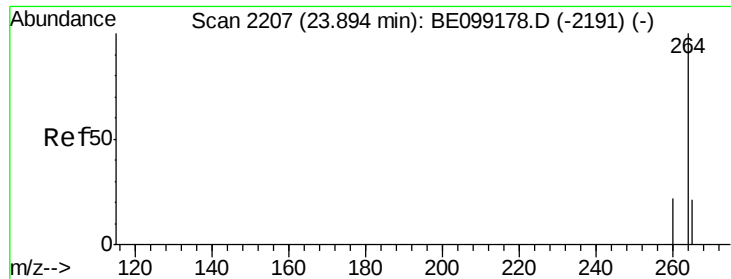
Lab File: BE099255.D

Acq: 29 Mar 2019 15:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 66820 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 12.1  | 12.9  | 19.3# |
| 277       | 22.5  | 18.3  | 27.5  |

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





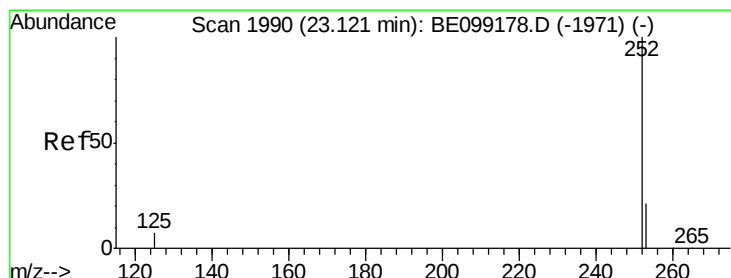
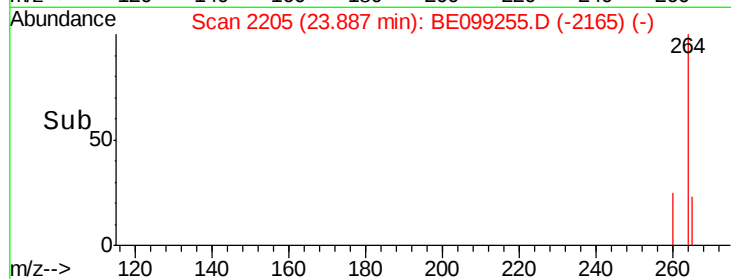
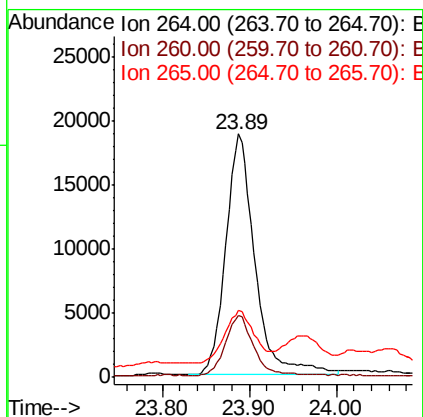
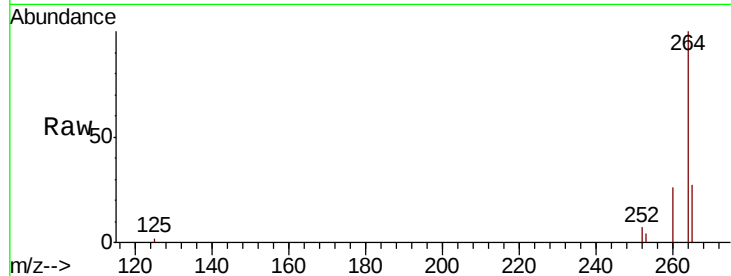
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.89 min Scan# 2205  
 Delta R.T. -0.01 min  
 Lab File: BE099255.D  
 Acq: 29 Mar 2019 15:13

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-027-SW012-032519

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.5  | 18.2  | 27.2  |
| 265     | 27.4  | 21.8  | 32.8  |

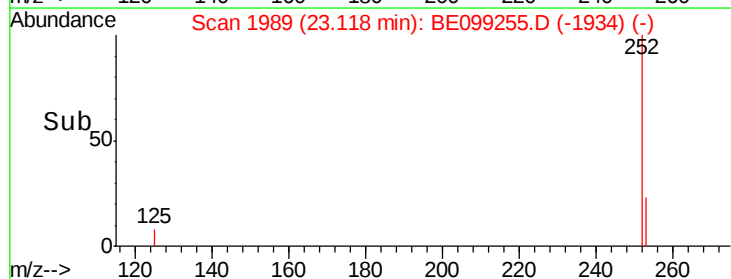
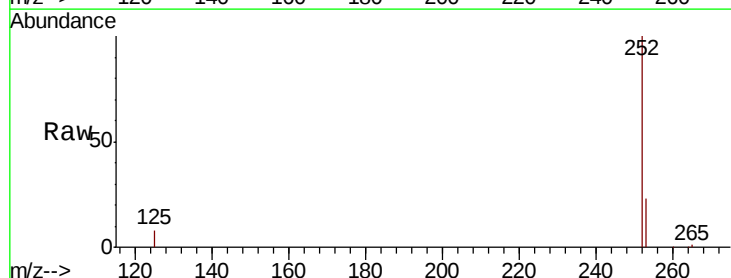
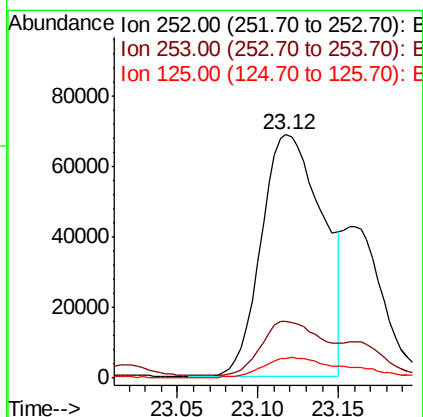
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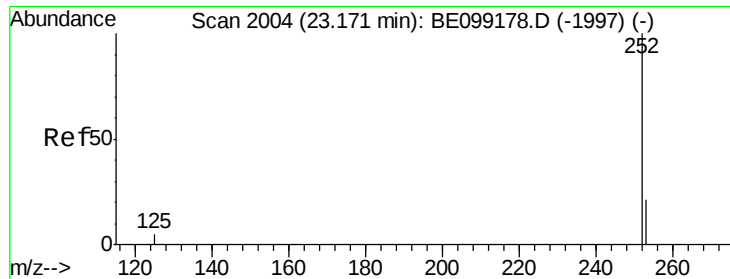
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#35  
 Benzo(b)fluoranthene  
 Concen: 1.274 ng  
 RT: 23.12 min Scan# 1989  
 Delta R.T. -0.00 min  
 Lab File: BE099255.D  
 Acq: 29 Mar 2019 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 17.8  | 26.8  |
| 125     | 8.0   | 6.1   | 9.1   |





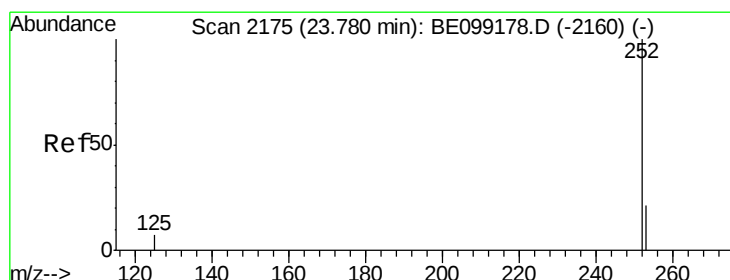
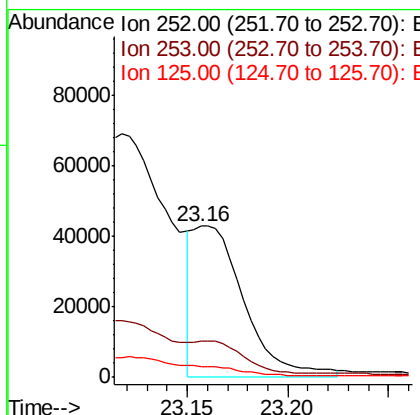
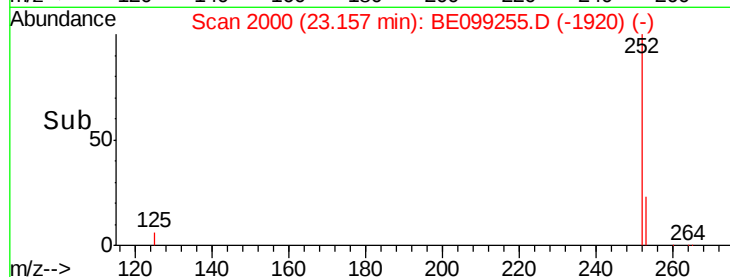
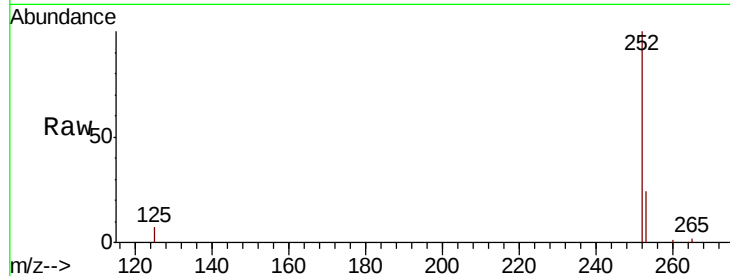
#36  
Benzo(k)fluoranthene  
Concen: 0.505 ng m  
RT: 23.16 min Scan# 2000  
Delta R.T. -0.01 min  
Lab File: BE099255.D  
Acq: 29 Mar 2019 15:13

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-027-SW012-032519

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.4  | 17.8  | 26.6  |
| 125     | 6.9   | 5.9   | 8.9   |

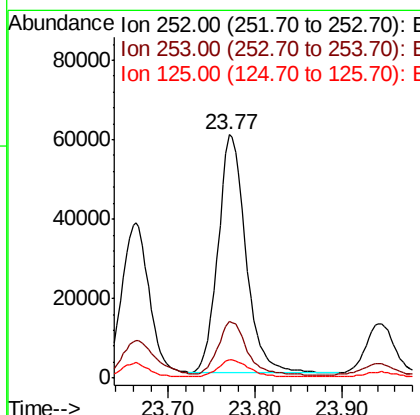
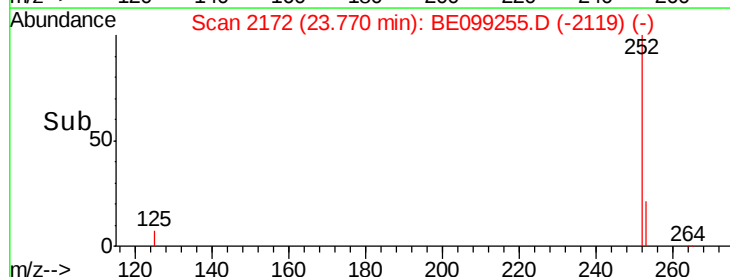
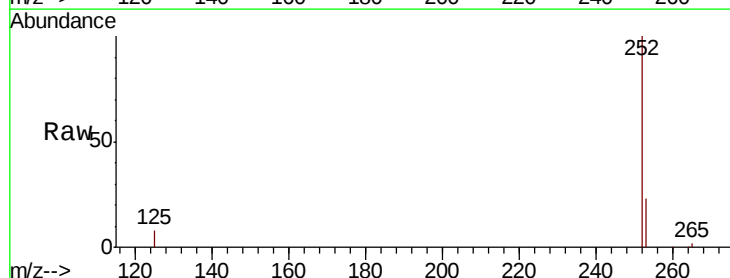
Manual Integrations  
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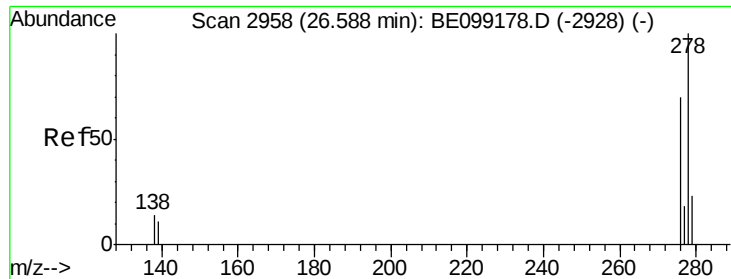
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#37  
Benzo(a)pyrene  
Concen: 0.988 ng  
RT: 23.77 min Scan# 2172  
Delta R.T. -0.01 min  
Lab File: BE099255.D  
Acq: 29 Mar 2019 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 18.1  | 27.1  |
| 125     | 7.6   | 6.8   | 10.2  |





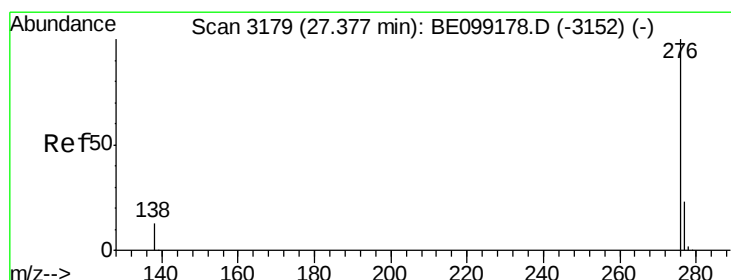
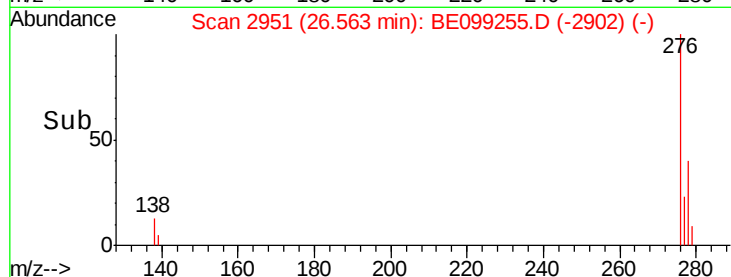
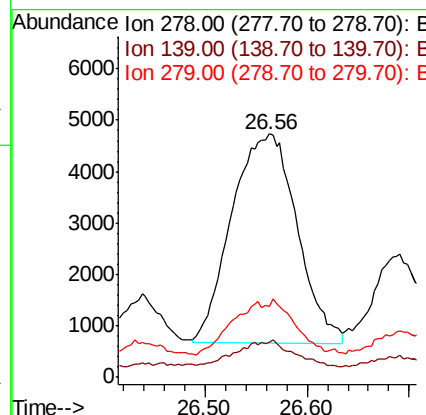
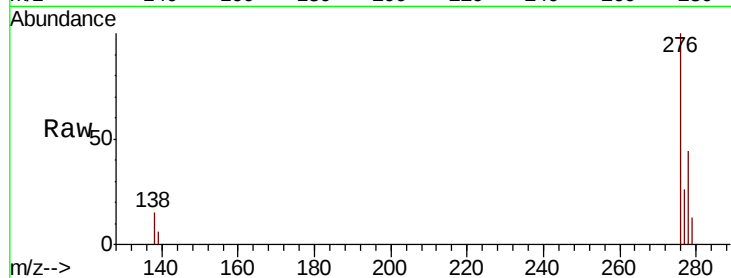
#38  
Dibenzo(a,h)anthracene  
Concen: 0.152 ng  
RT: 26.56 min Scan# 2951  
Delta R.T. -0.03 min  
Lab File: BE099255.D  
Acq: 29 Mar 2019 15:13

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-027-SW012-032519

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.5  | 9.5   | 14.3# |
| 279     | 29.3  | 19.1  | 28.7# |

Manual Integrations  
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#39  
Benzo(g,h,i)perylene  
Concen: 0.525 ng  
RT: 27.36 min Scan# 3174  
Delta R.T. -0.02 min  
Lab File: BE099255.D  
Acq: 29 Mar 2019 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.0  | 19.0  | 28.4  |
| 138     | 14.9  | 11.1  | 16.7  |

