

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\  
 Data File : BE099356.D  
 Acq On : 25 Apr 2019 12:00  
 Operator : JU/SJ  
 Sample : K2534-05  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-073-SW061-042219

Manual Integrations  
 APPROVED

Sohil  
 4/29/2019 2:29:27 AM

Quant Time: Apr 26 01:39:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 19 06:51:38 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 3750     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.60 | 136  | 15234    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.46 | 164  | 11283    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.19 | 188  | 30068    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 33044    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.86 | 264  | 35933    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.39  | 112 | 3615  | 0.39 | ng | 0.00  |
| 5) Phenol-d6                | 6.96  | 99  | 5989  | 0.46 | ng | -0.01 |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 3938  | 0.33 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.20 | 152 | 8690  | 0.32 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.93 | 330 | 2424  | 0.65 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 13.09 | 172 | 13529 | 0.31 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.22 | 212 | 95740 | 0.27 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.82 | 244 | 18572 | 0.29 | ng | 0.00  |

|                                |       |     |         |       |        |      |
|--------------------------------|-------|-----|---------|-------|--------|------|
| Target Compounds               |       |     |         |       | Qvalue |      |
| 9) Naphthalene                 | 10.65 | 128 | 19784   | 0.119 | ng     | 99   |
| 12) 2-Methylnaphthalene        | 12.27 | 142 | 3189    | 0.113 | ng     | 95   |
| 16) Acenaphthylene             | 14.18 | 152 | 9303    | 0.182 | ng     | 99   |
| 17) Acenaphthene               | 14.51 | 154 | 5768    | 0.184 | ng     | 98   |
| 18) Fluorene                   | 15.49 | 166 | 12226   | 0.271 | ng     | 88   |
| 22) Pentachlorophenol          | 16.84 | 266 | 398     | 0.282 | ng     | 95   |
| 23) Phenanthrene               | 17.23 | 178 | 235958  | 2.963 | ng     | 99   |
| 24) Anthracene                 | 17.32 | 178 | 31446   | 0.444 | ng     | # 93 |
| 26) Fluoranthene               | 19.25 | 202 | 502740  | 4.717 | ng     | 99   |
| 28) Pvrene                     | 19.61 | 202 | 449136  | 4.614 | ng     | # 95 |
| 30) Benzo(a)anthracene         | 21.34 | 228 | 251240  | 2.586 | ng     | 96   |
| 31) Chrysene                   | 21.40 | 228 | 278343  | 2.692 | ng     | 96   |
| 32) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 469805  | 5.315 | ng     | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.51 | 276 | 161827  | 1.585 | ng     | # 95 |
| 35) Benzo(b)fluoranthene       | 23.09 | 252 | 319988  | 2.909 | ng     | # 91 |
| 36) Benzo(k)fluoranthene       | 23.14 | 252 | 137105m | 1.250 | ng     |      |
| 37) Benzo(a)pvrene             | 23.75 | 252 | 218758  | 2.220 | ng     | 95   |
| 38) Dibenzo(a,h)anthracene     | 26.52 | 278 | 40083   | 0.398 | ng     | # 73 |
| 39) Benzo(g,h,i)perylene       | 27.33 | 276 | 170416  | 1.668 | ng     | 98   |

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

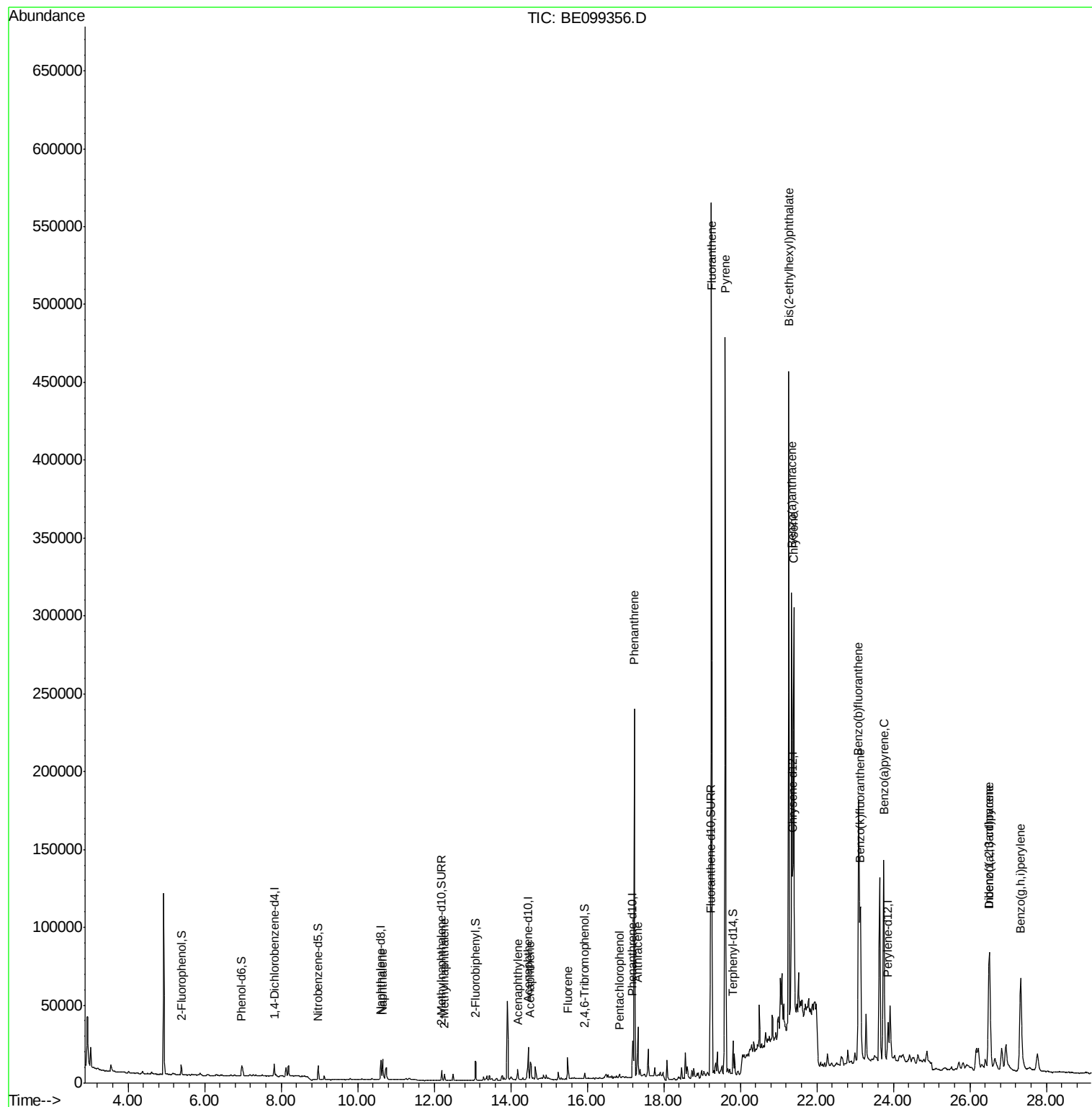
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\  
Data File : BE099356.D  
Acq On : 25 Apr 2019 12:00  
Operator : JU/SJ  
Sample : K2534-05  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

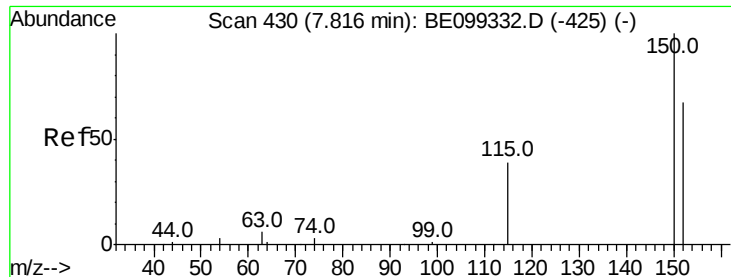
Instrument :  
BNA\_E  
ClientSampleId :  
EXT-073-SW061-042219

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 19 06:51:38 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA\_E

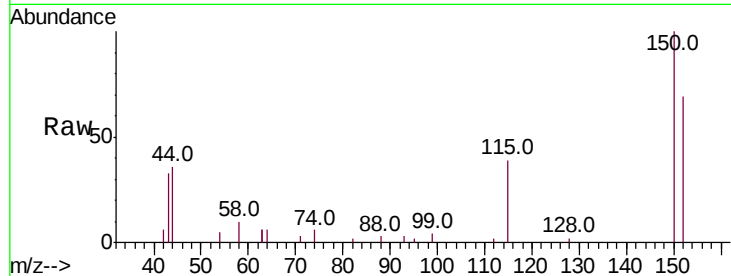
ClientSampleId :

EXT-073-SW061-042219

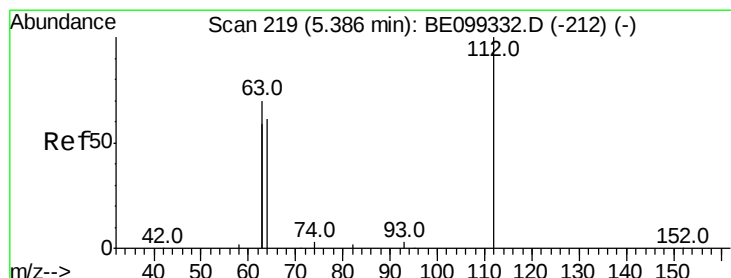
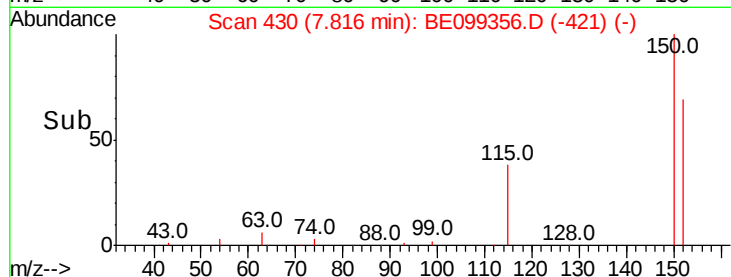
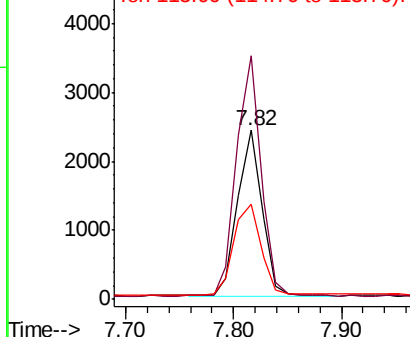
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 3750  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 143.9 | 119.5 | 179.3 |
| 115       | 56.5  | 47.5  | 71.3  |

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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: 0.394 ng

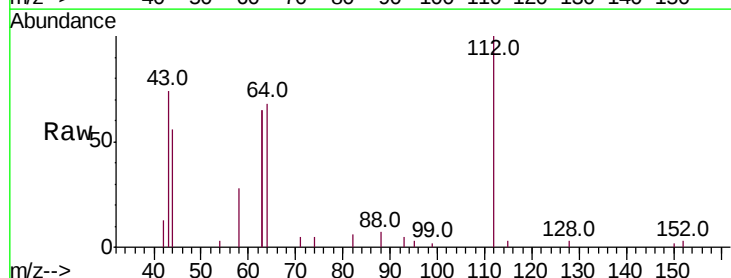
RT: 5.39 min Scan# 219

Delta R.T. -0.00 min

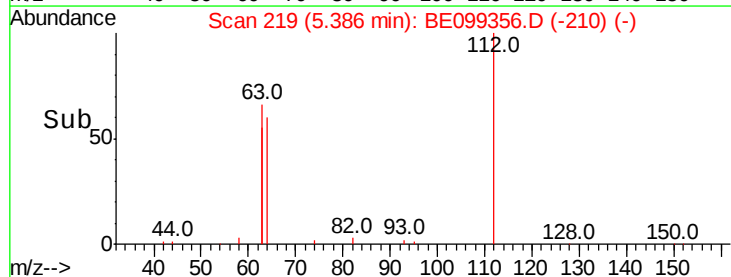
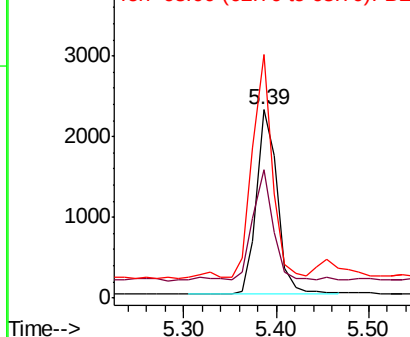
Lab File: BE099356.D

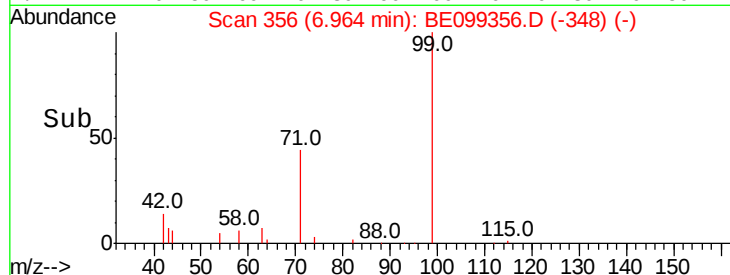
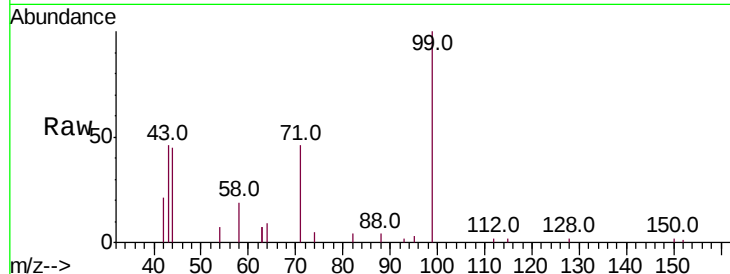
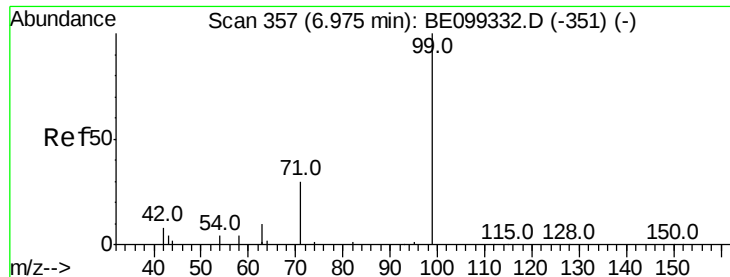
Acq: 25 Apr 2019 12:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 3615  |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 55.9  | 44.9  | 67.3  |
| 63        | 114.5 | 97.4  | 146.0 |



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: 0.458 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 5989  |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 20.2  | 11.7  | 17.5# |
| 71        | 40.2  | 29.6  | 44.4  |

Instrument :

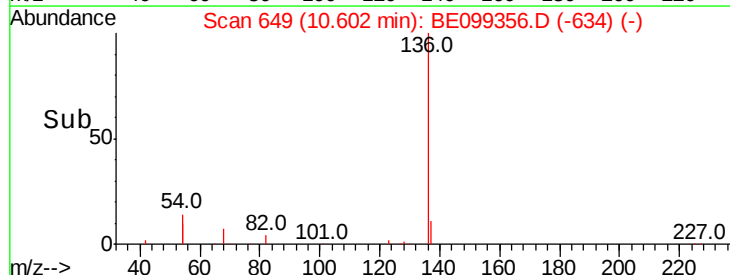
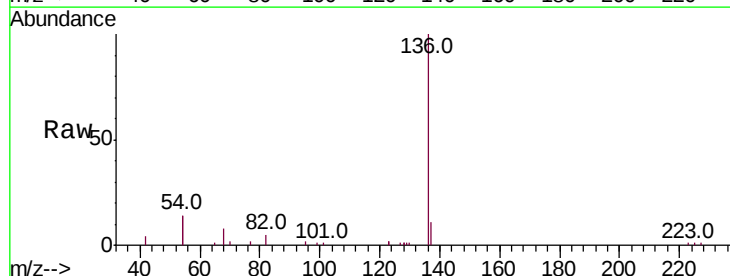
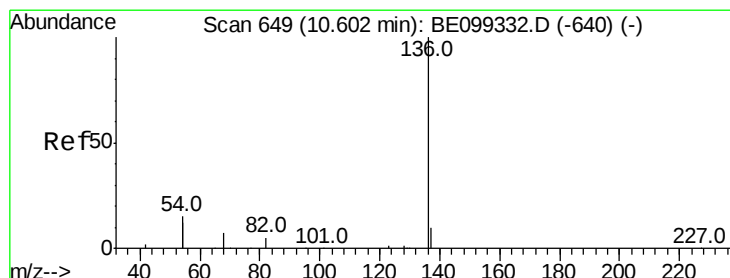
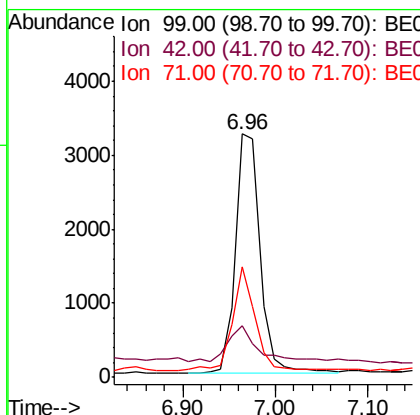
BNA\_E

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#7

Naphthalene-d8

Concen: 0.400 ng

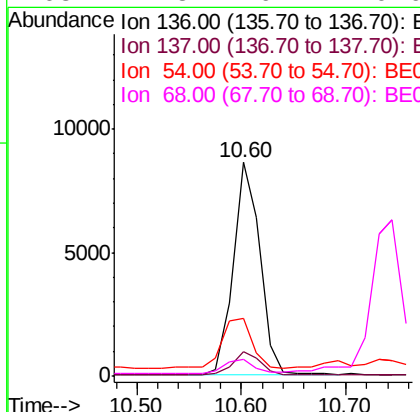
RT: 10.60 min Scan# 649

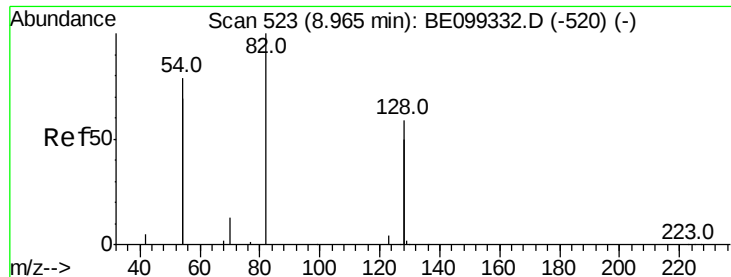
Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 15234 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.3  | 8.7   | 13.1  |
| 54        | 27.1  | 23.8  | 35.8  |
| 68        | 7.8   | 6.4   | 9.6   |





#8

Nitrobenzene-d5

Concen: 0.333 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA\_E

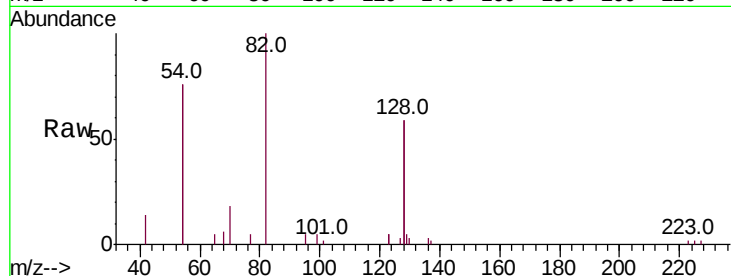
ClientSampleId :

EXT-073-SW061-042219

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 3938  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 119.0 | 91.7  | 137.5 |
| 54       | 152.3 | 122.8 | 184.2 |

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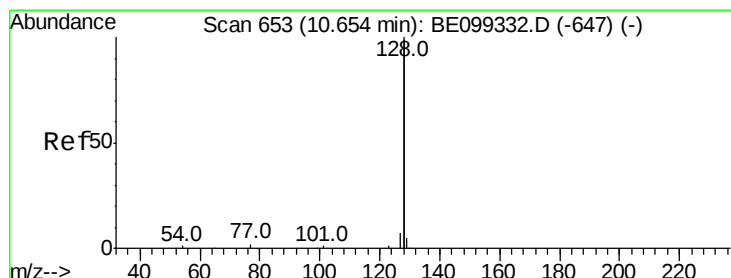
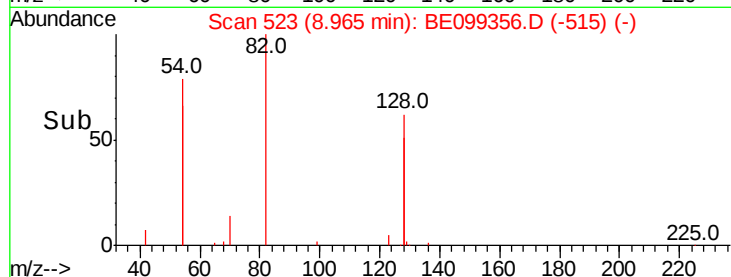
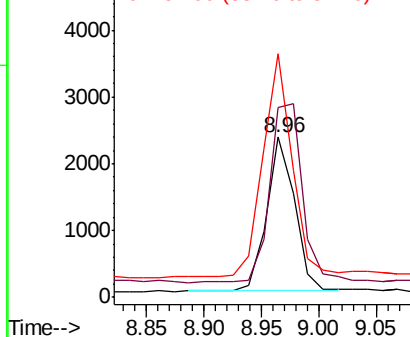


Abundance

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: 0.119 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

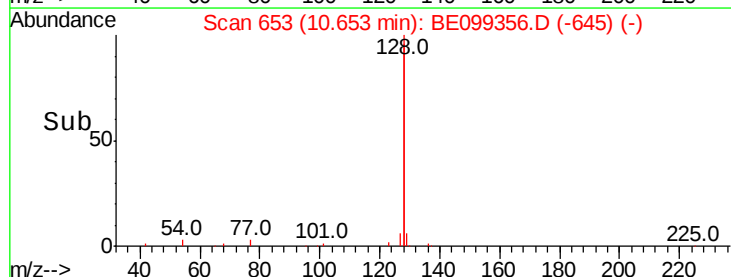
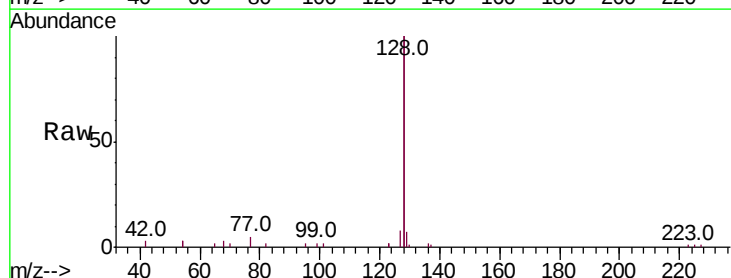
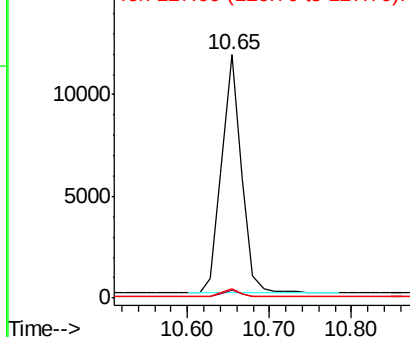
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 19784 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 3.3   | 2.3   | 3.5   |
| 127      | 3.8   | 2.8   | 4.2   |

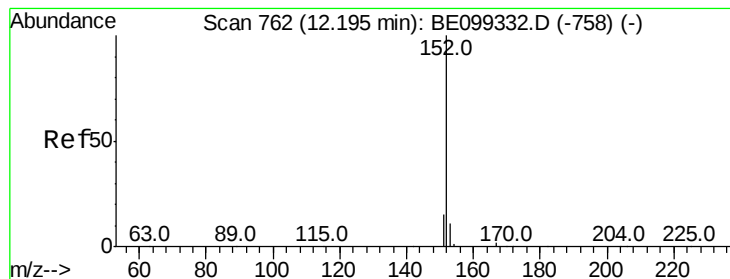
Abundance

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





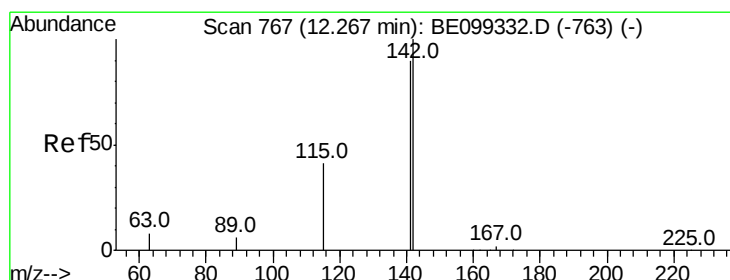
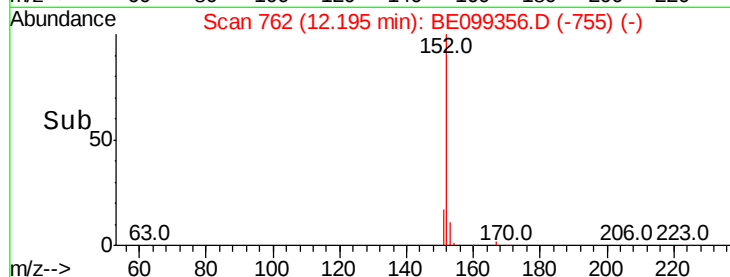
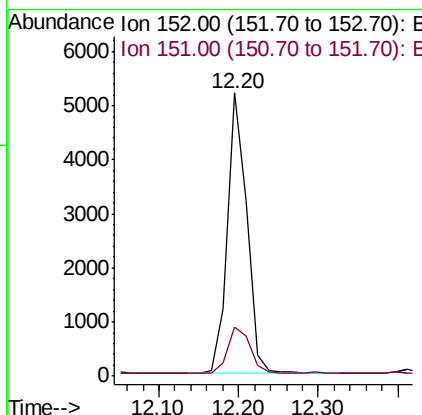
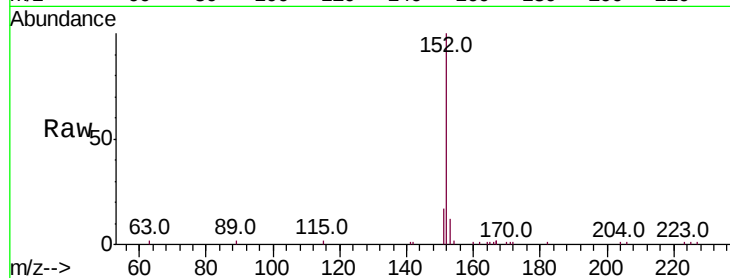
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.323 ng  
 RT: 12.20 min Scan# 762  
 Delta R.T. 0.00 min  
 Lab File: BE099356.D  
 Acq: 25 Apr 2019 12:00

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-073-SW061-042219

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.4  | 14.9  | 22.3  |

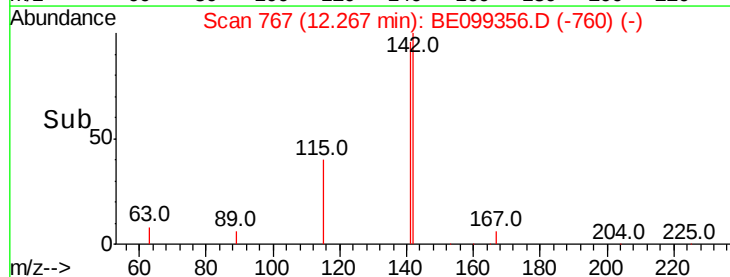
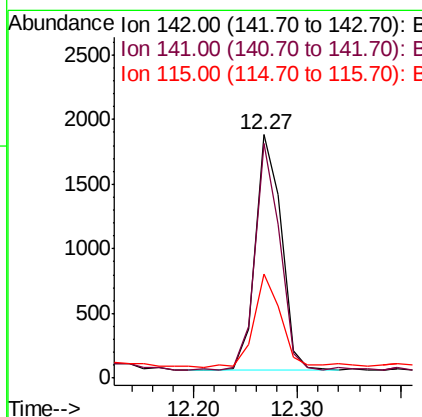
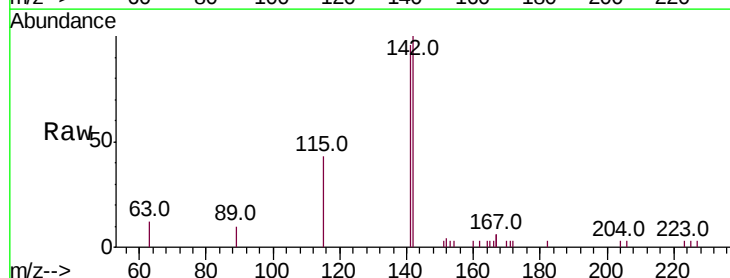
Manual Integrations  
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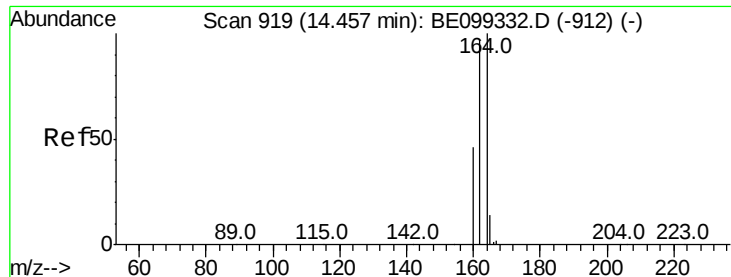
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#12  
 2-Methylnaphthalene  
 Concen: 0.113 ng  
 RT: 12.27 min Scan# 767  
 Delta R.T. 0.00 min  
 Lab File: BE099356.D  
 Acq: 25 Apr 2019 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 96.2  | 72.0  | 108.0 |
| 115     | 43.0  | 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: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA\_E

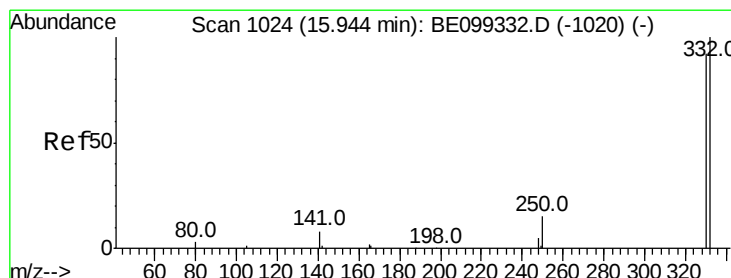
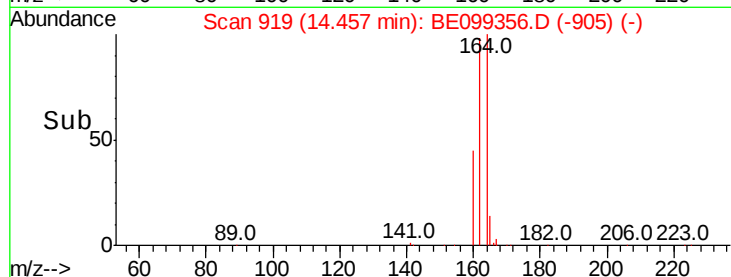
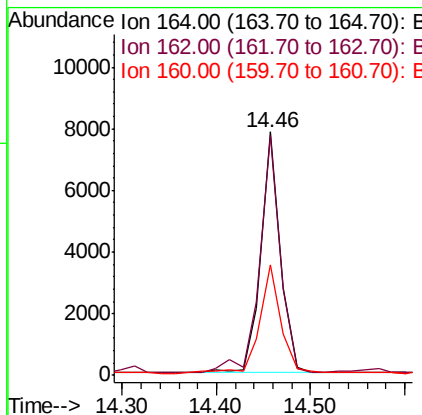
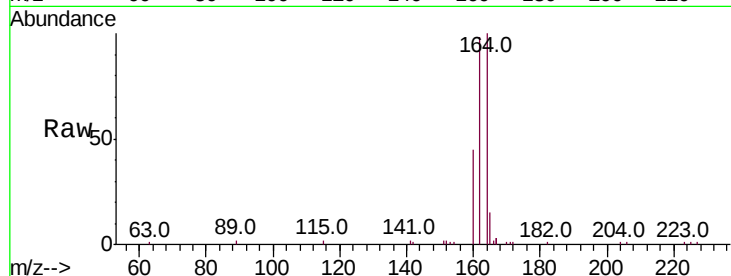
ClientSampleId :

EXT-073-SW061-042219

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 164   | Resp: | 11283 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 98.3  | 77.8  | 116.6 |
| 160       | 45.5  | 37.1  | 55.7  |

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#14

2,4,6-Tribromophenol

Concen: 0.647 ng

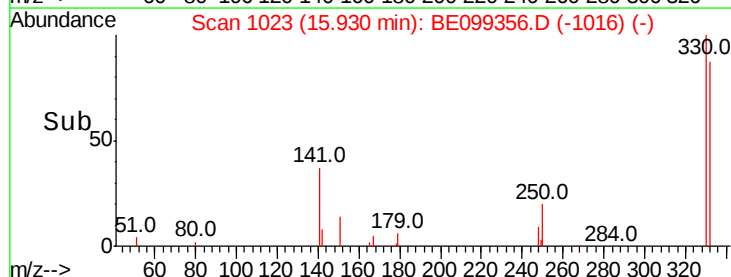
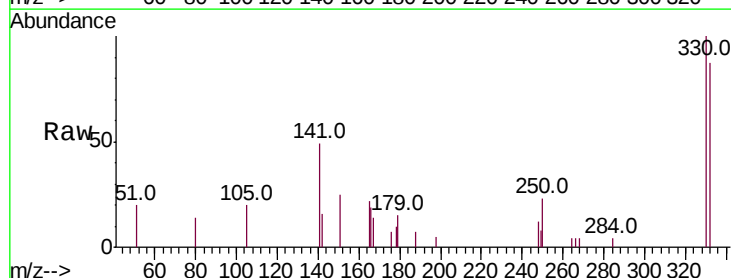
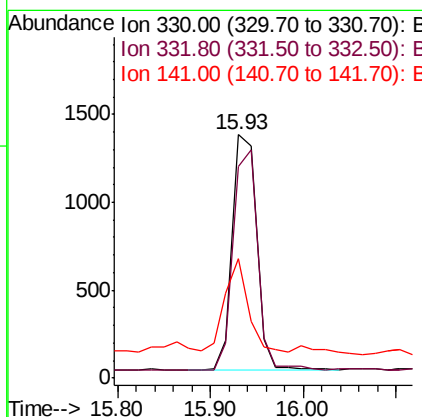
RT: 15.93 min Scan# 1023

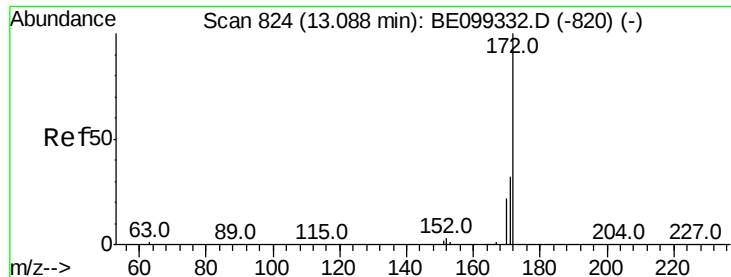
Delta R.T. -0.01 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 2424  |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 93.1  | 82.5  | 123.7 |
| 141       | 38.0  | 24.9  | 37.3# |





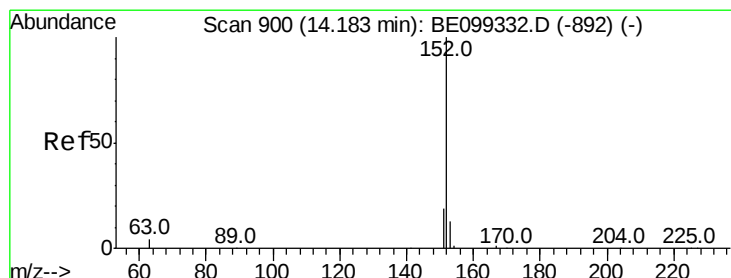
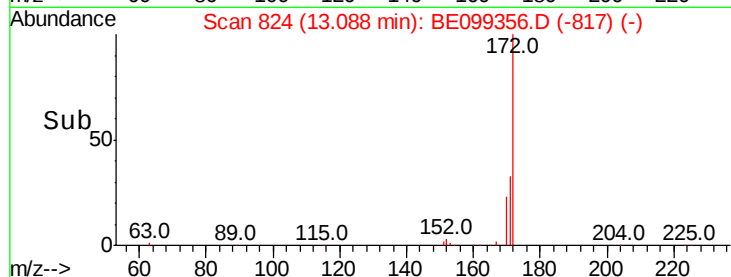
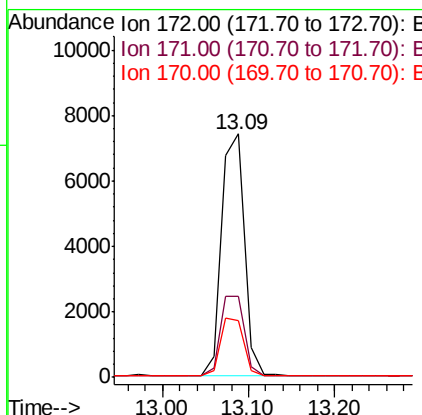
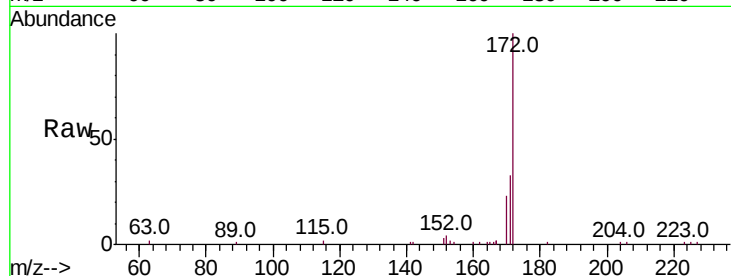
#15  
2-Fluorobiphenyl  
Concen: 0.305 ng  
RT: 13.09 min Scan# 824  
Delta R.T. 0.00 min  
Lab File: BE099356.D  
Acq: 25 Apr 2019 12:00

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-073-SW061-042219

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.4  | 26.2  | 39.2  |
| 170     | 23.3  | 18.1  | 27.1  |

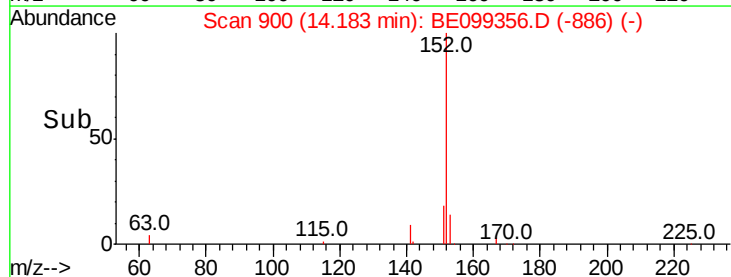
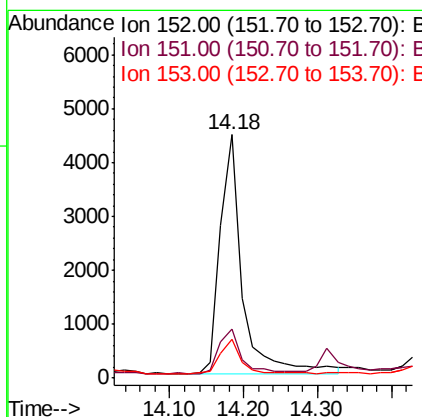
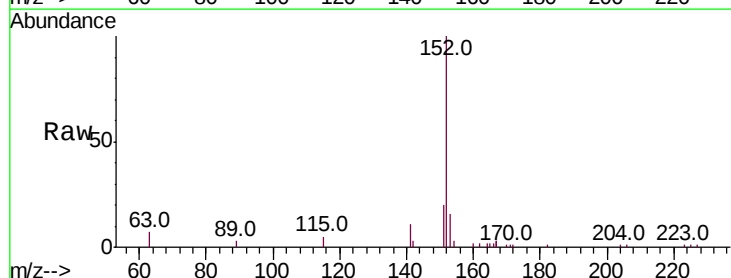
Manual Integrations  
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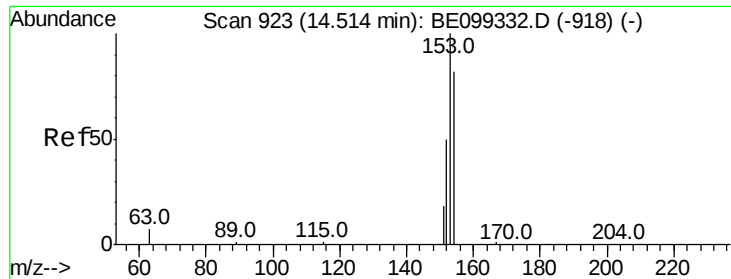
Sohil  
4/29/2019 2:29:27 AM



#16  
Acenaphthylene  
Concen: 0.182 ng  
RT: 14.18 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: BE099356.D  
Acq: 25 Apr 2019 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.7  | 15.5  | 23.3  |
| 153     | 12.8  | 10.2  | 15.4  |





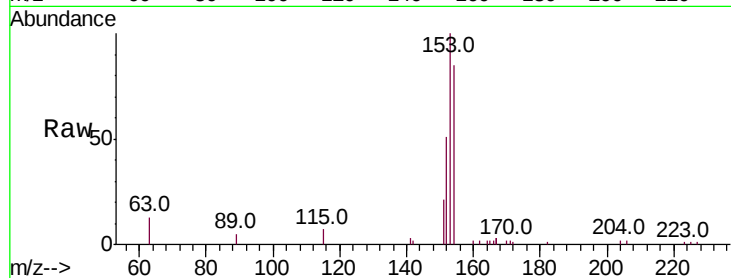
#17  
Acenaphthene  
Concen: 0.184 ng  
RT: 14.51 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: BE099356.D  
Acq: 25 Apr 2019 12:00

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-073-SW061-042219

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 119.9 | 94.7  | 142.1 |
| 152     | 60.2  | 46.4  | 69.6  |

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Sohil  
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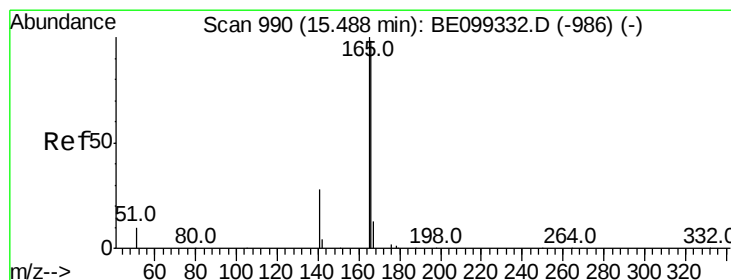
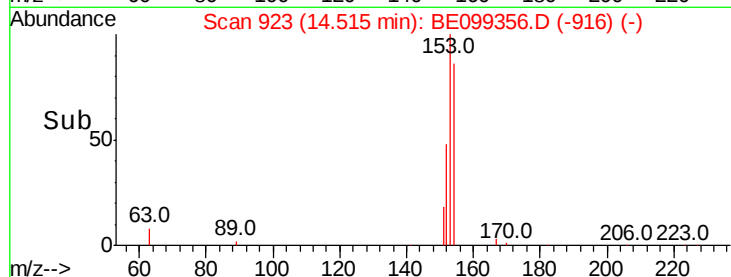
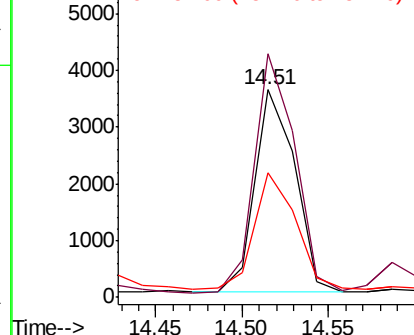


Abundance

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: 0.271 ng  
RT: 15.49 min Scan# 990  
Delta R.T. -0.00 min  
Lab File: BE099356.D  
Acq: 25 Apr 2019 12:00

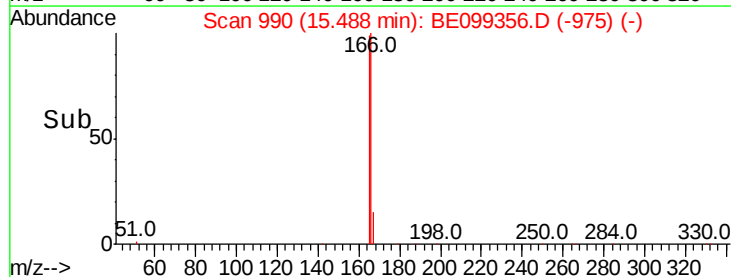
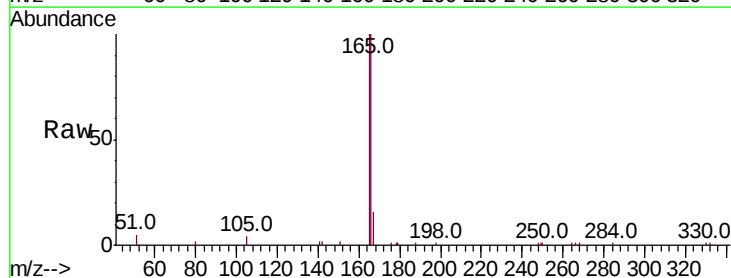
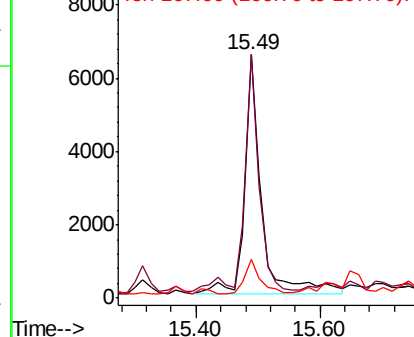
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 85.8  | 79.7  | 119.5 |
| 167     | 14.3  | 11.0  | 16.4  |

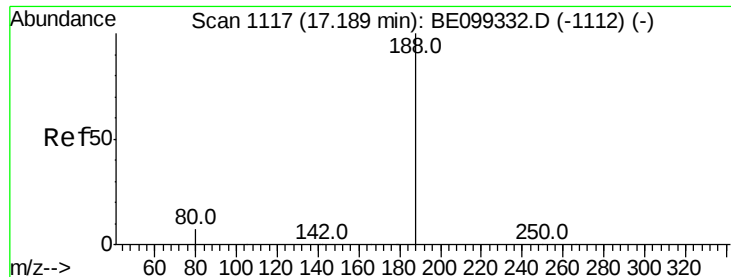
Abundance

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





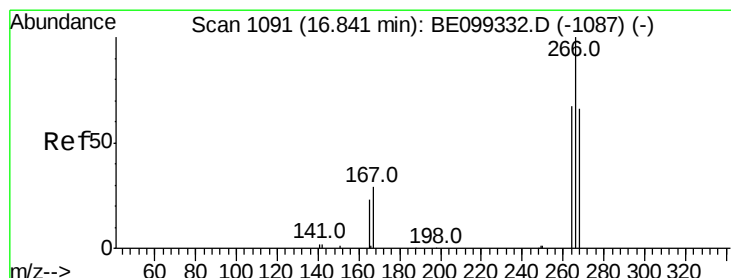
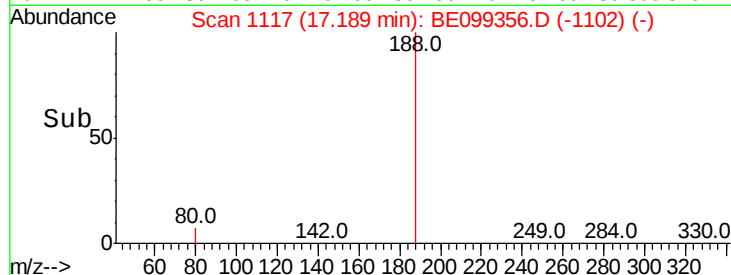
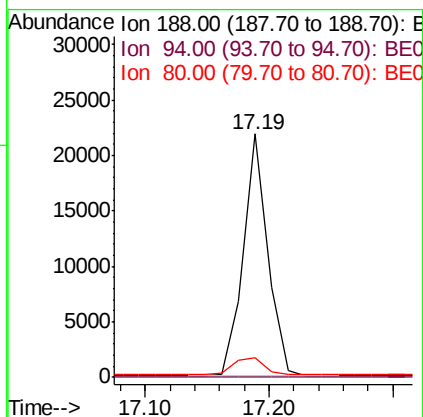
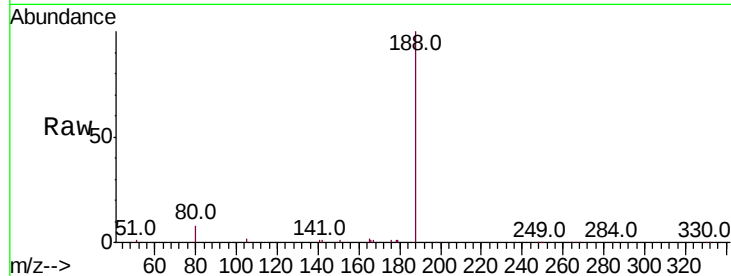
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.19 min Scan# 1117  
Delta R.T. -0.00 min  
Lab File: BE099356.D  
Acq: 25 Apr 2019 12:00

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-073-SW061-042219

|             |       |       |
|-------------|-------|-------|
| Tot Ion:188 | Resp: | 30068 |
| Ion Ratio   | Lower | Upper |
| 188 100     |       |       |
| 94 0.0      | 0.0   | 0.0   |
| 80 7.9      | 6.2   | 9.4   |

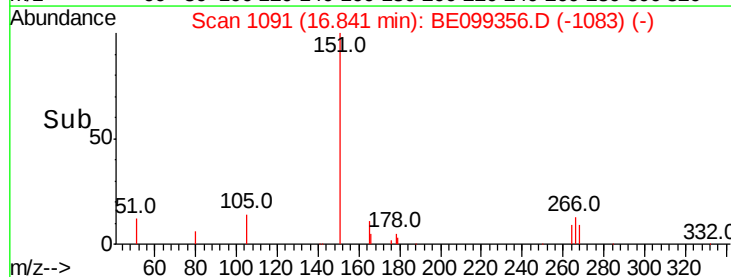
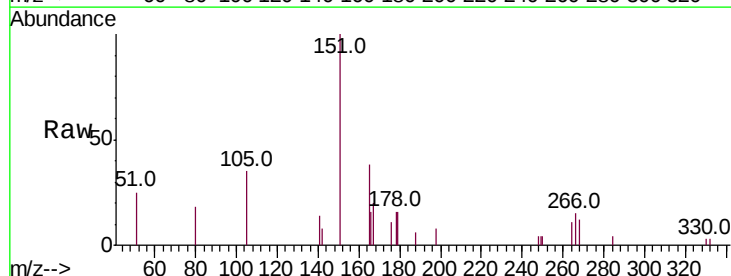
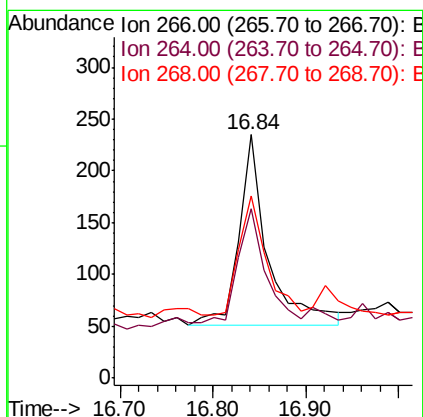
Manual Integrations  
APPROVED

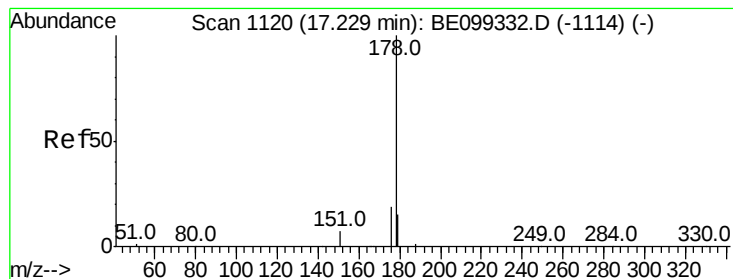
Sohil  
4/29/2019 2:29:27 AM



#22  
Pentachlorophenol  
Concen: 0.282 ng  
RT: 16.84 min Scan# 1091  
Delta R.T. 0.00 min  
Lab File: BE099356.D  
Acq: 25 Apr 2019 12:00

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:266 | Resp: | 398   |
| Ion Ratio   | Lower | Upper |
| 266 100     |       |       |
| 264 69.4    | 54.5  | 81.7  |
| 268 74.9    | 54.3  | 81.5  |





#23

Phenanthrene

Concen: 2.963 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA\_E

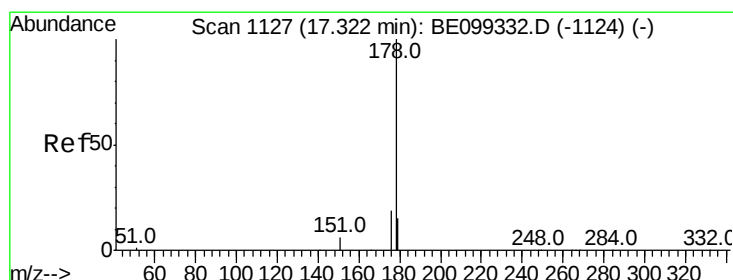
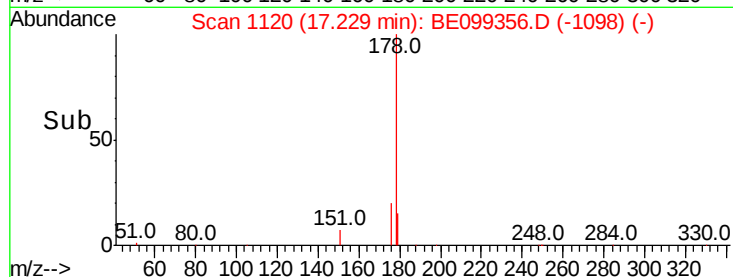
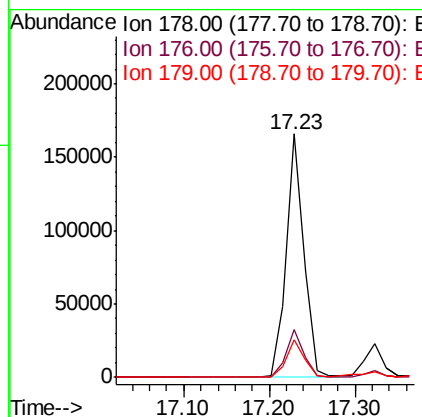
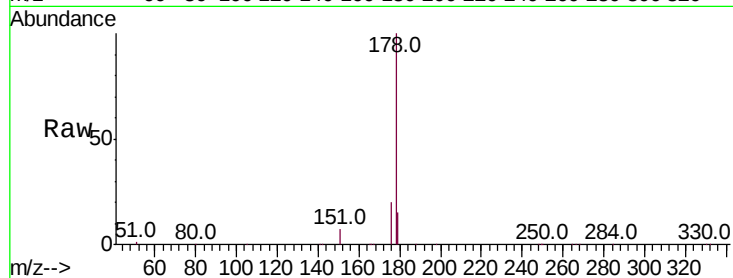
ClientSampleId :

EXT-073-SW061-042219

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 235958    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.5  | 15.3 22.9 |
| 179         | 15.3  | 12.4 18.6 |

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4/29/2019 2:29:27 AM



#24

Anthracene

Concen: 0.444 ng

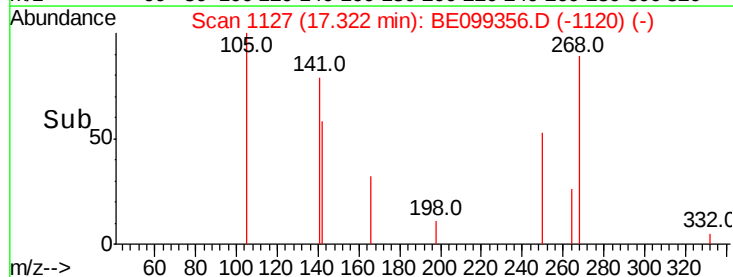
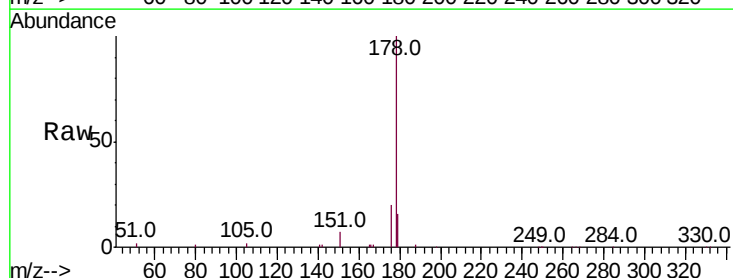
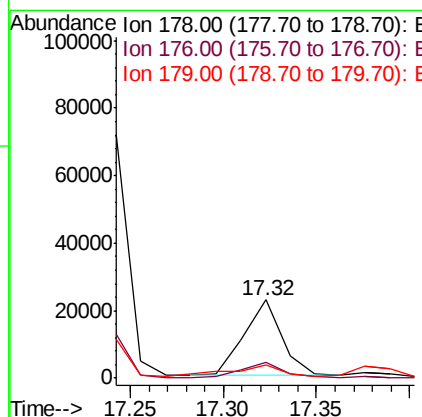
RT: 17.32 min Scan# 1127

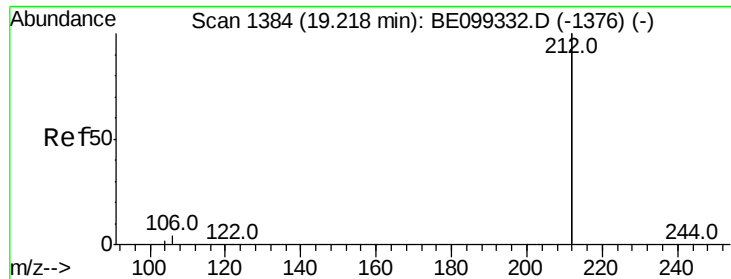
Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:178 | Resp: | 31446      |
| Ion Ratio   | Lower | Upper      |
| 178         | 100   |            |
| 176         | 20.1  | 15.1 22.7  |
| 179         | 20.5  | 11.9 17.9# |





#25

Fluoranthene-d10

Concen: 0.265 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA\_E

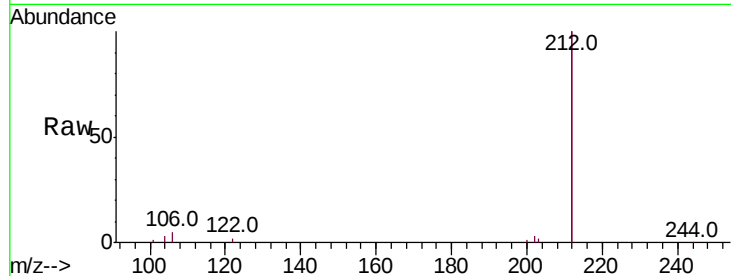
ClientSampleId :

EXT-073-SW061-042219

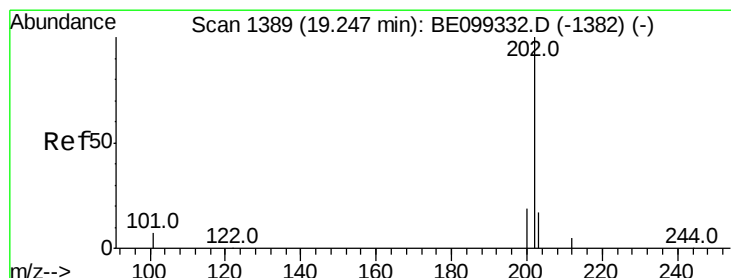
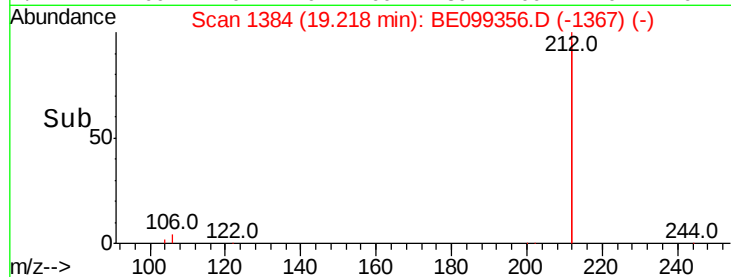
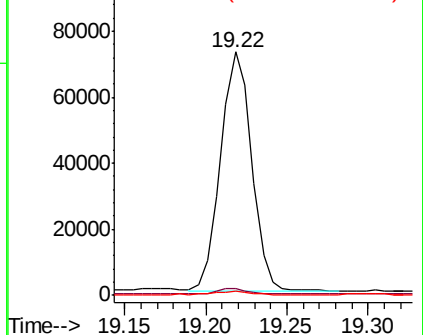
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 95740 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 2.4   | 1.8   | 2.6   |
| 104       | 1.3   | 1.0   | 1.4   |

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



#26

Fluoranthene

Concen: 4.717 ng

RT: 19.25 min Scan# 1389

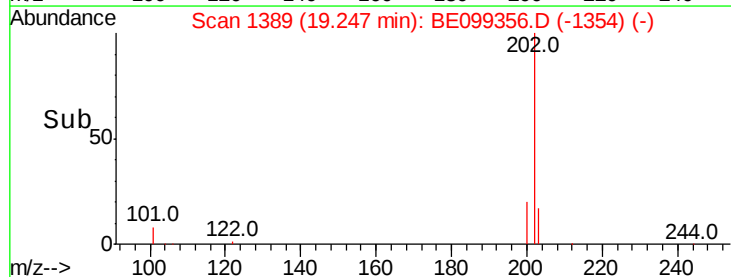
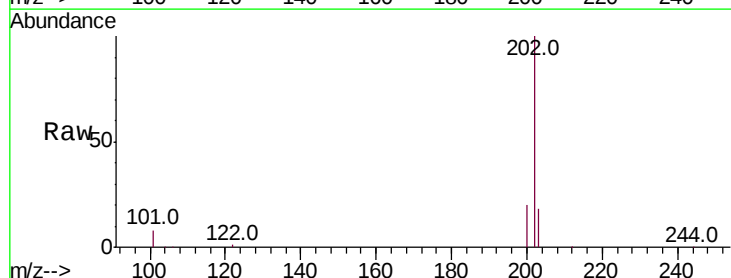
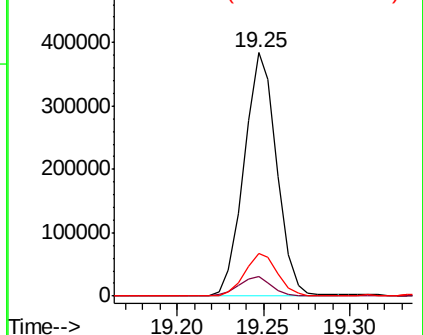
Delta R.T. -0.00 min

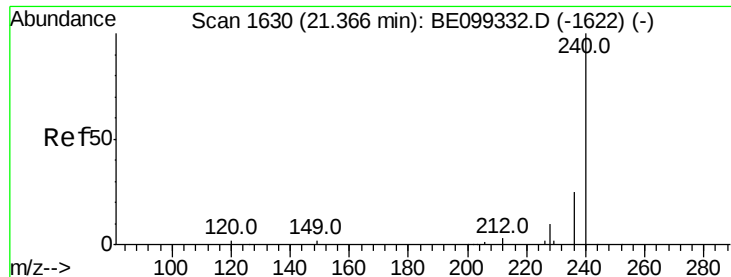
Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 502740 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 7.9   | 6.4   | 9.6    |
| 203       | 17.7  | 13.5  | 20.3   |

Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA\_E

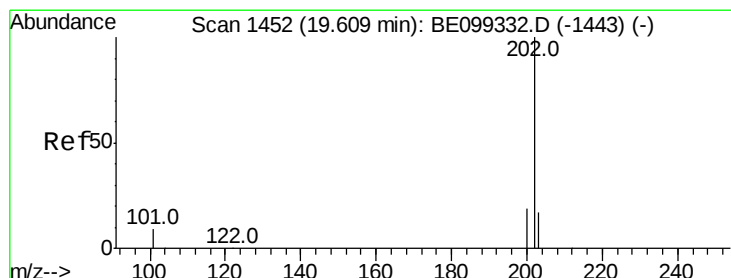
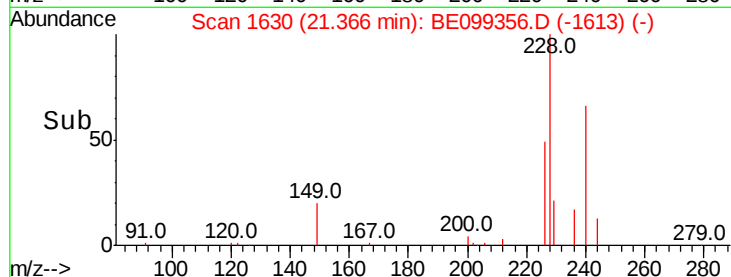
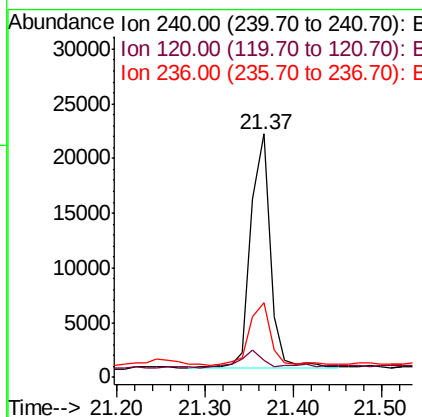
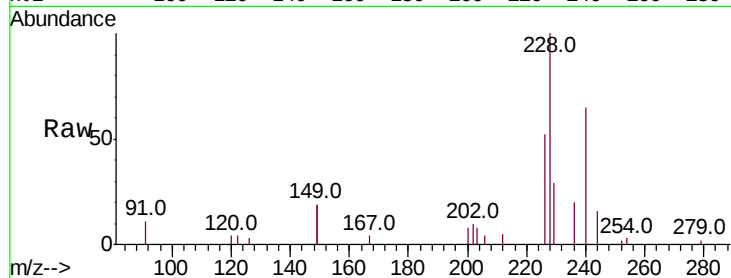
ClientSampleId :

EXT-073-SW061-042219

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.8   | 2.2   | 3.2#  |
| 236     | 30.7  | 20.2  | 30.4# |

Manual Integrations  
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Sohil  
4/29/2019 2:29:27 AM



#28

Pyrene

Concen: 4.614 ng

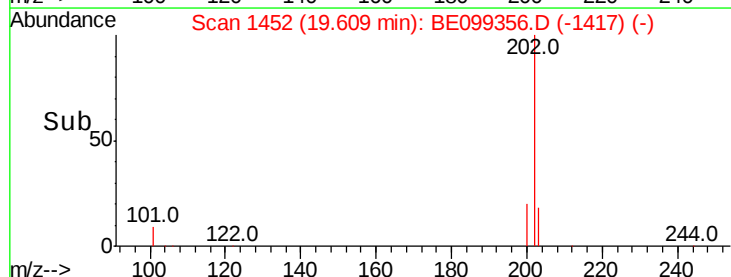
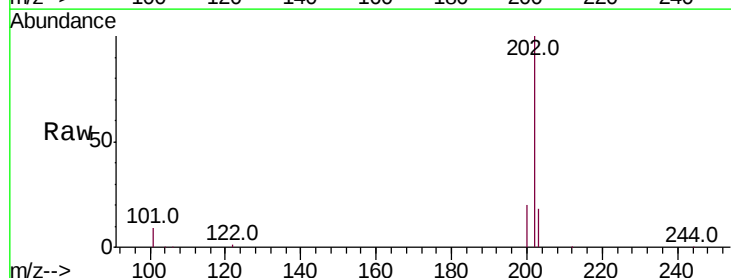
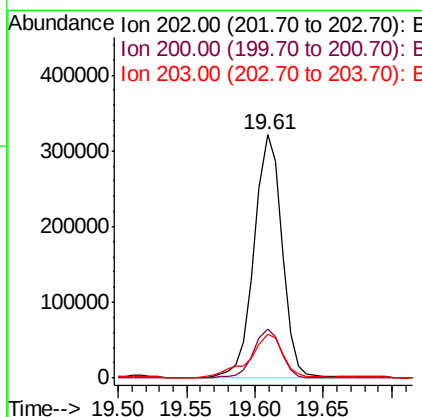
RT: 19.61 min Scan# 1452

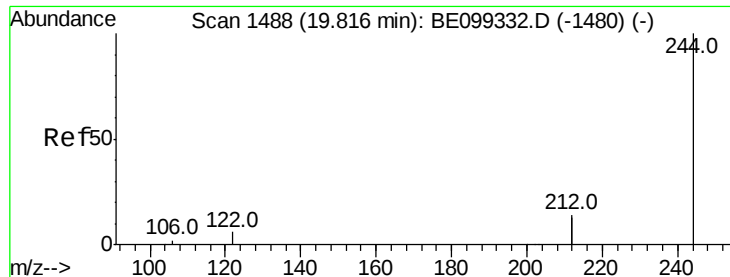
Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.1  | 15.7  | 23.5  |
| 203     | 21.2  | 13.7  | 20.5# |





#29

Terphenyl-d14

Concen: 0.286 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA\_E

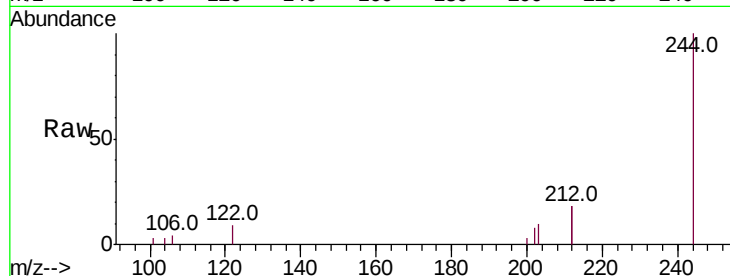
ClientSampleId :

EXT-073-SW061-042219

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 36.5  | 22.6  | 33.8  |
| 122     | 9.3   | 4.6   | 7.0   |

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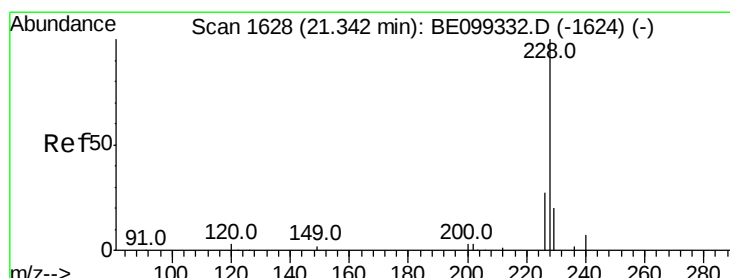
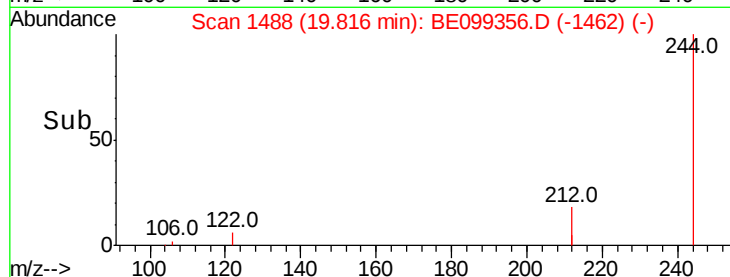
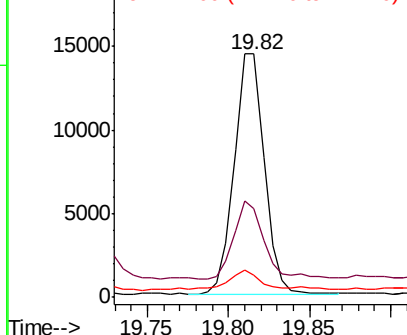


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 2.586 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

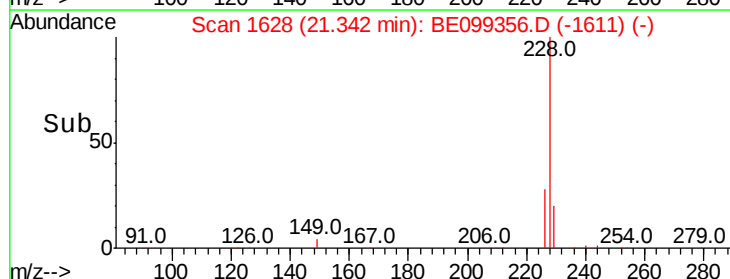
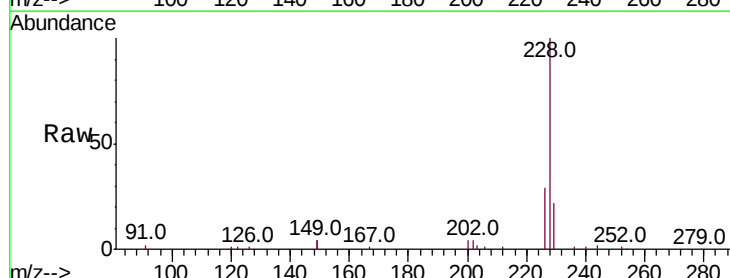
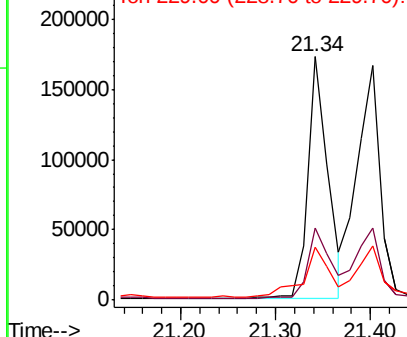
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.4  | 22.0  | 33.0  |
| 229     | 21.7  | 15.8  | 23.8  |

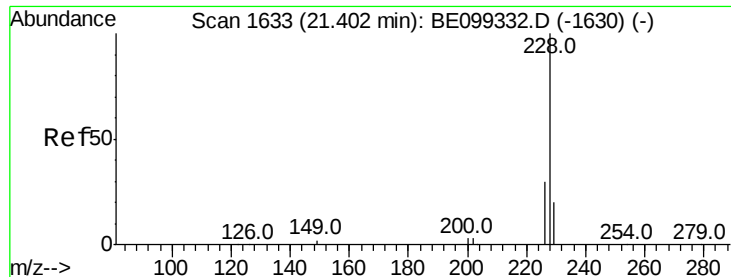
Abundance

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





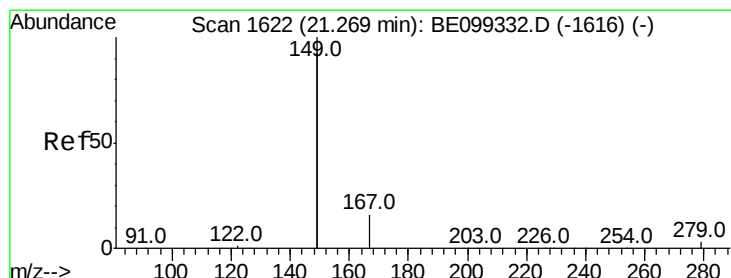
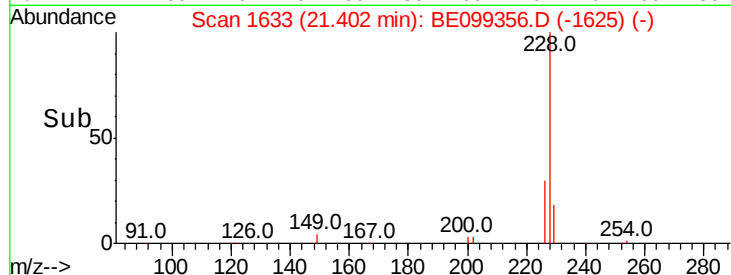
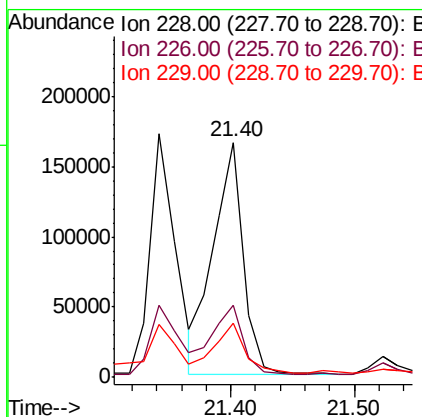
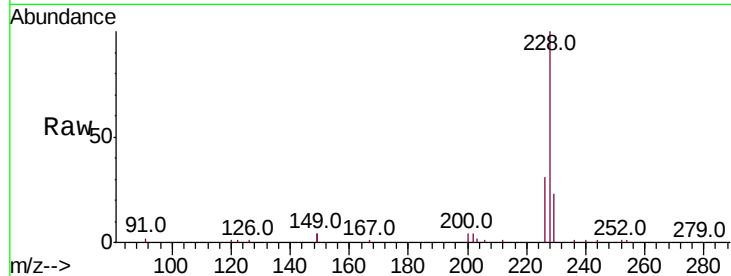
#31  
 Chrysene  
 Concen: 2.692 ng  
 RT: 21.40 min Scan# 1633  
 Delta R.T. -0.00 min  
 Lab File: BE099356.D  
 Acq: 25 Apr 2019 12:00

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-073-SW061-042219

|             |       |        |
|-------------|-------|--------|
| Tot Ion:228 | Resp: | 278343 |
| Ion Ratio   | Lower | Upper  |
| 228 100     |       |        |
| 226 30.7    | 23.4  | 35.2   |
| 229 22.9    | 16.2  | 24.2   |

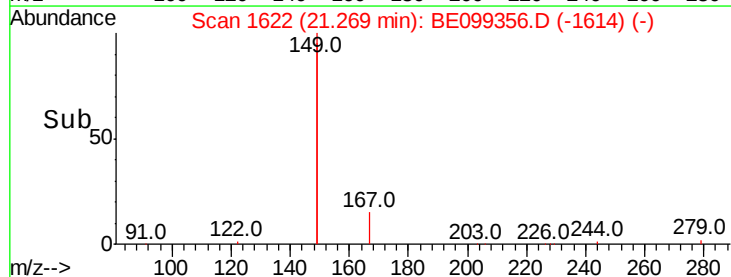
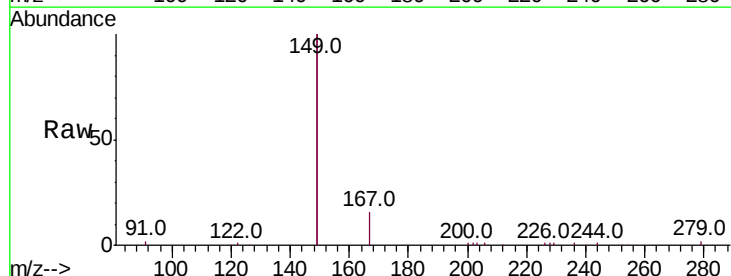
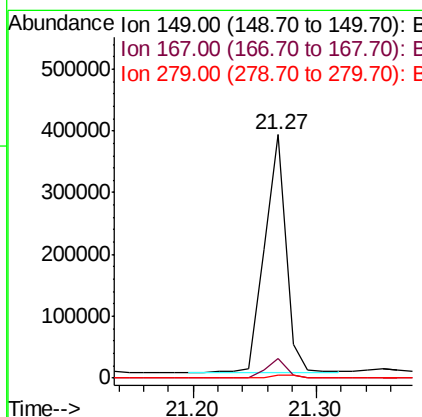
Manual Integrations  
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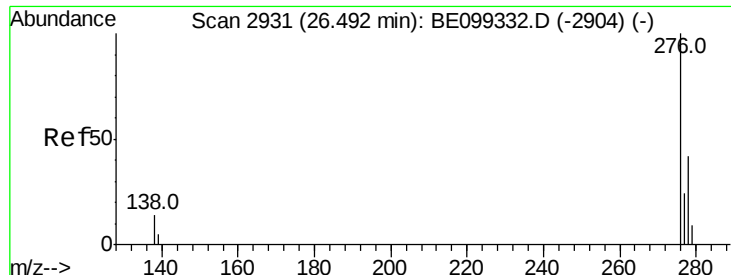
Sohil  
 4/29/2019 2:29:27 AM



#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 5.315 ng  
 RT: 21.27 min Scan# 1622  
 Delta R.T. -0.00 min  
 Lab File: BE099356.D  
 Acq: 25 Apr 2019 12:00

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:149 | Resp: | 469805 |
| Ion Ratio   | Lower | Upper  |
| 149 100     |       |        |
| 167 7.3     | 6.0   | 9.0    |
| 279 1.3     | 1.1   | 1.7    |





#33

Indeno(1,2,3-cd)pyrene

Concen: 1.585 ng

RT: 26.51 min Scan# 2935

Delta R.T. 0.01 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA\_E

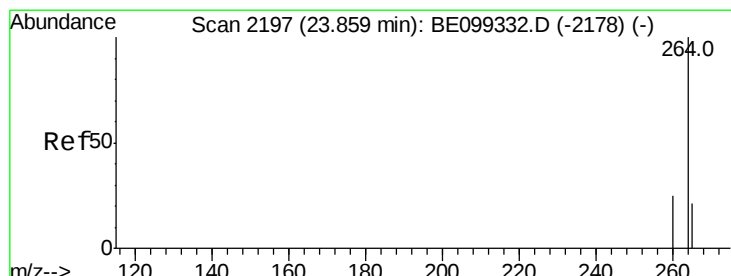
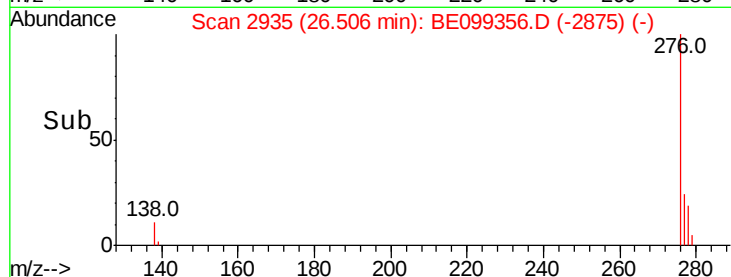
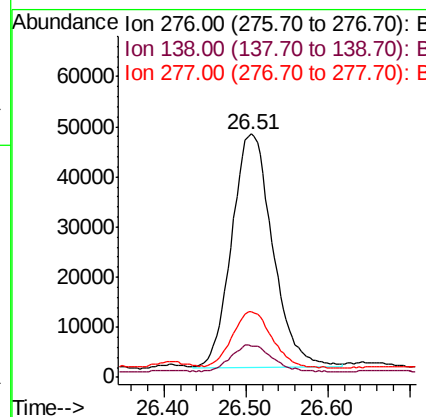
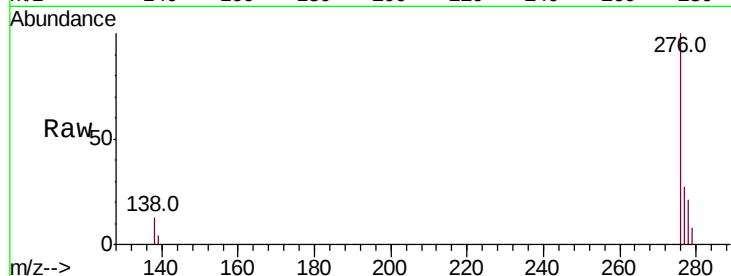
ClientSampleId :

EXT-073-SW061-042219

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 161827 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 11.5  | 12.7  | 19.1#  |
| 277       | 23.4  | 19.6  | 29.4   |

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#34

Perylene-d12

Concen: 0.400 ng

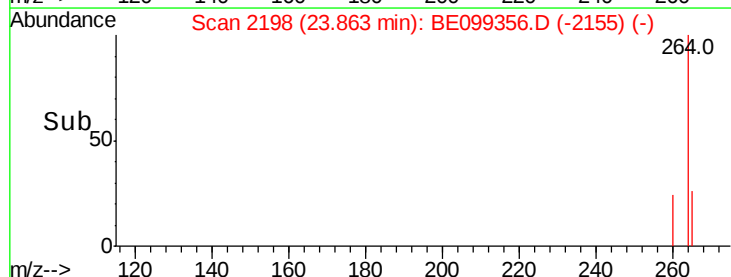
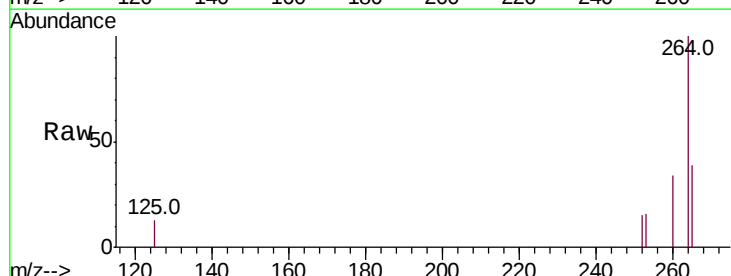
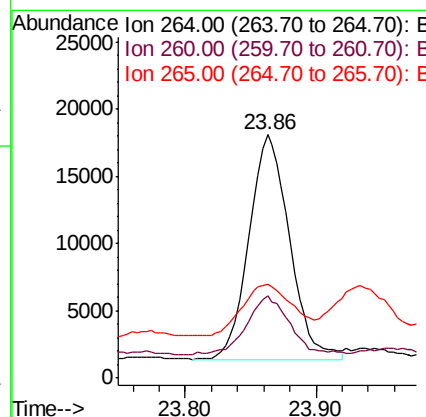
RT: 23.86 min Scan# 2198

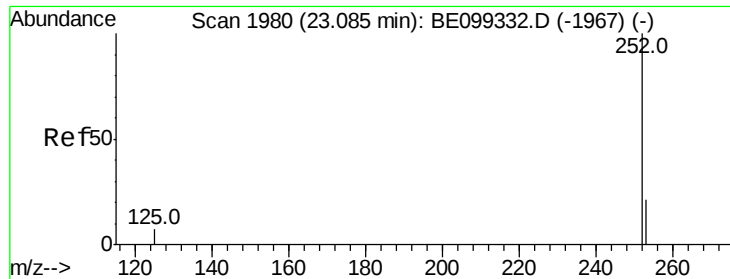
Delta R.T. 0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 35933 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 33.7  | 20.1  | 30.1# |
| 265       | 38.5  | 19.9  | 29.9# |





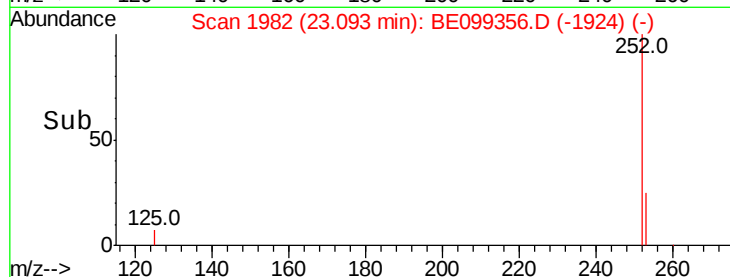
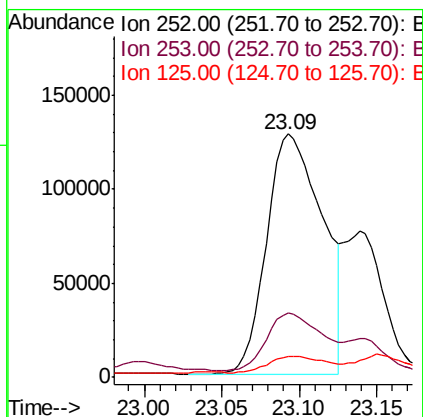
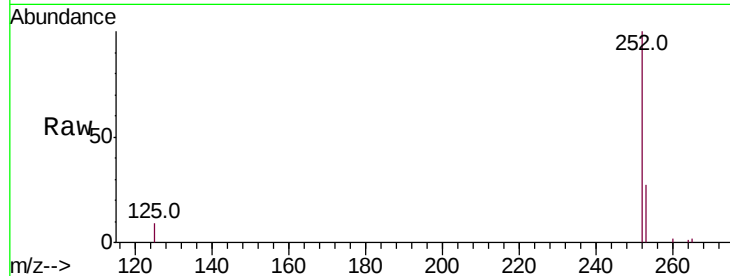
#35  
Benzo(b)fluoranthene  
Concen: 2.909 ng  
RT: 23.09 min Scan# 1982  
Delta R.T. 0.01 min  
Lab File: BE099356.D  
Acq: 25 Apr 2019 12:00

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-073-SW061-042219

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.6  | 17.3  | 25.9# |
| 125     | 8.6   | 5.8   | 8.6   |

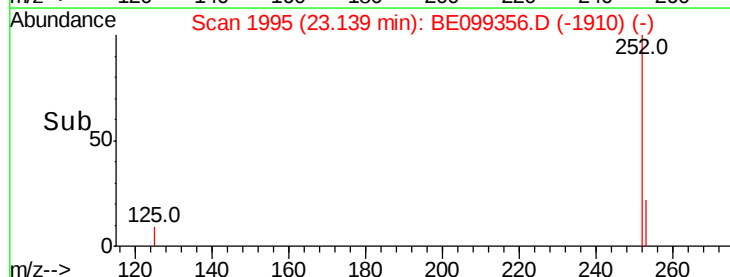
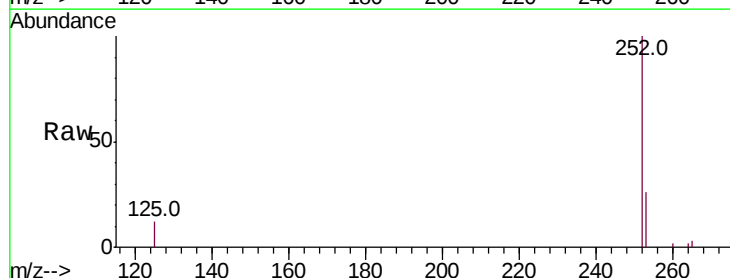
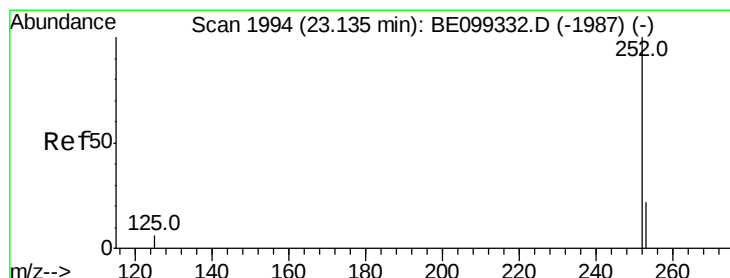
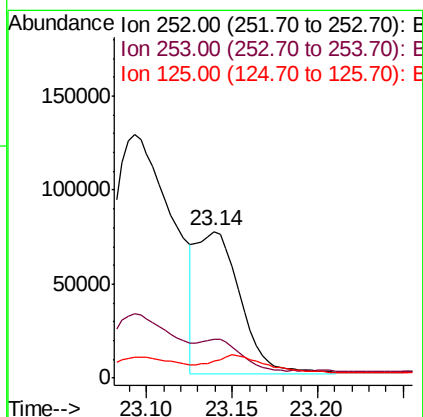
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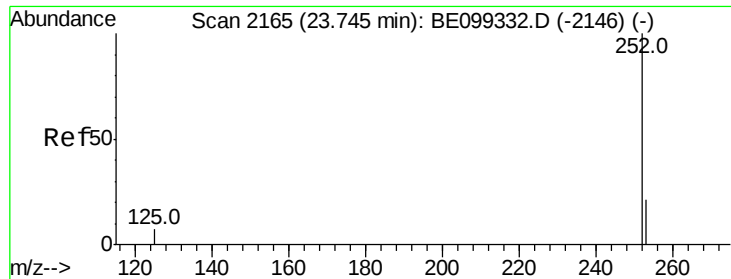
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#36  
Benzo(k)fluoranthene  
Concen: 1.250 ng m  
RT: 23.14 min Scan# 1995  
Delta R.T. 0.00 min  
Lab File: BE099356.D  
Acq: 25 Apr 2019 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.4  | 18.4  | 27.6  |
| 125     | 11.5  | 5.4   | 8.0#  |





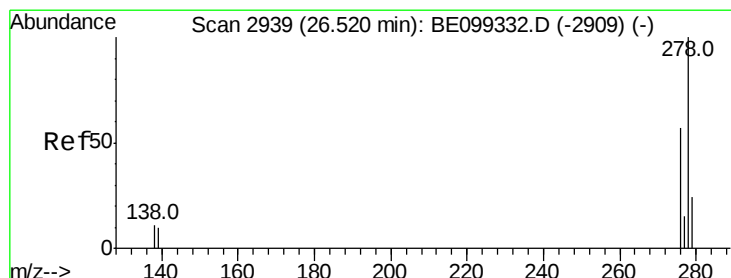
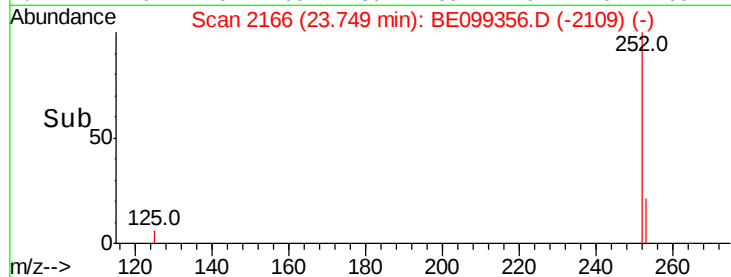
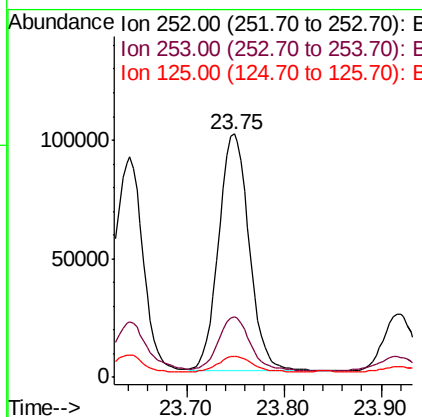
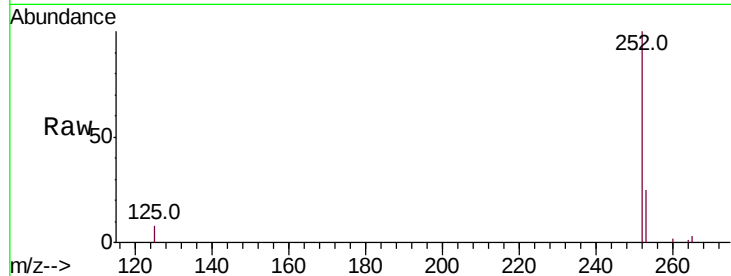
#37  
Benzo(a)pyrene  
Concen: 2.220 ng  
RT: 23.75 min Scan# 2166  
Delta R.T. 0.00 min  
Lab File: BE099356.D  
Acq: 25 Apr 2019 12:00

Instrument :  
BNA\_E  
ClientSampleId :  
EXT-073-SW061-042219

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.9  | 17.6  | 26.4  |
| 125     | 8.5   | 6.5   | 9.7   |

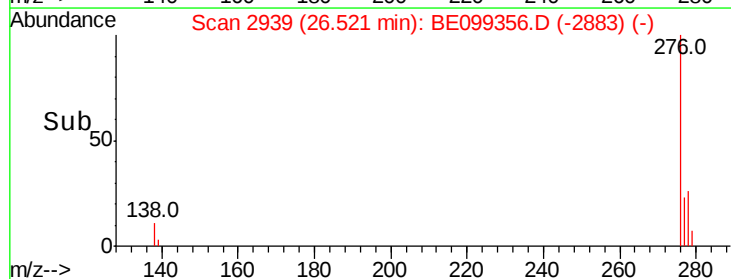
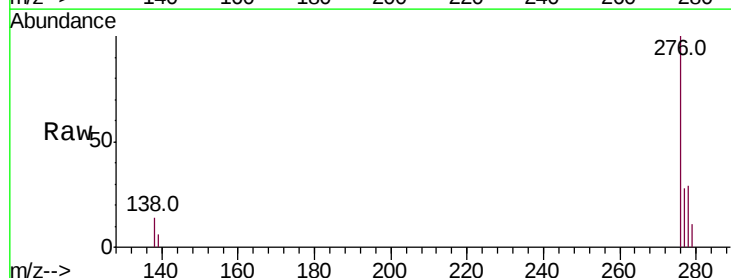
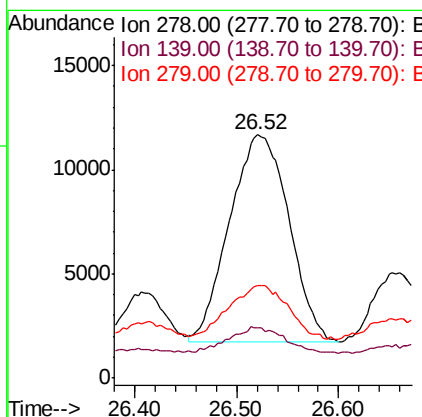
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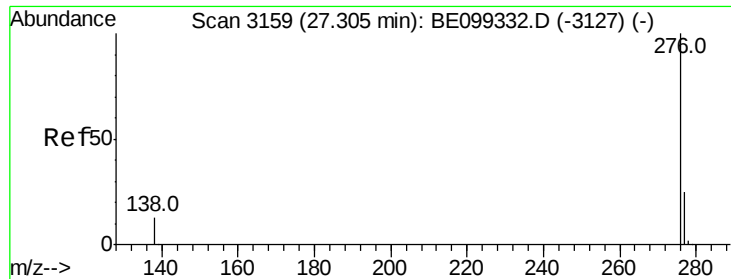
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4/29/2019 2:29:27 AM



#38  
Dibenzo(a,h)anthracene  
Concen: 0.398 ng  
RT: 26.52 min Scan# 2939  
Delta R.T. 0.00 min  
Lab File: BE099356.D  
Acq: 25 Apr 2019 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 20.5  | 8.5   | 12.7# |
| 279     | 38.2  | 19.8  | 29.8# |





#39

Benzo(a,h,i)perylene

Concen: 1.668 ng

RT: 27.33 min Scan# 3166

Delta R.T. 0.03 min

Lab File: BE099356.D

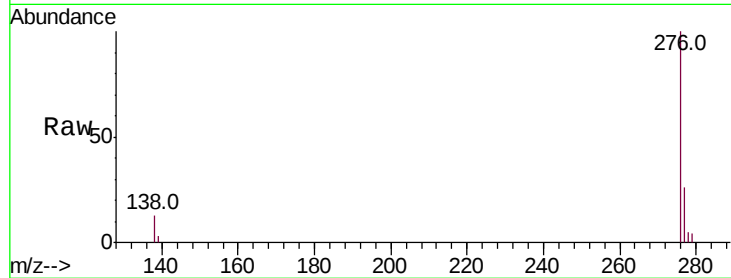
Acq: 25 Apr 2019 12:00

Instrument :

BNA\_E

ClientSampleId :

EXT-073-SW061-042219



| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 26.2  | 20.0  | 30.0  |
| 138     | 13.4  | 11.1  | 16.7  |

Manual Integrations  
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