

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE061419\  
 Data File : BE100019.D  
 Acq On : 14 Jun 2019 12:17  
 Operator : JU/SJ  
 Sample : K3284-06MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-TT-AOC22-MW10-20190609MS

Quant Time: Jun 15 00:48:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE061019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 10 14:57:20 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.78  | 152  | 902      | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.59 | 136  | 3197     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.46 | 164  | 2550     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.20 | 188  | 7534     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.39 | 240  | 9671     | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.92 | 264  | 10843    | 0.40 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.36  | 112  | 537      | 0.22 | ng    | 0.00     |
| 5) Phenol-d6                | 6.96  | 99   | 388      | 0.12 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.95  | 82   | 1364     | 0.45 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10 | 12.19 | 152  | 2839     | 0.51 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol    | 15.96 | 330  | 861      | 0.46 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl        | 13.07 | 172  | 4391     | 0.45 | ng    | -0.03    |
| 25) Fluoranthene-d10        | 19.24 | 212  | 44969    | 0.41 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.84 | 244  | 10798    | 0.62 | ng    | 0.00     |

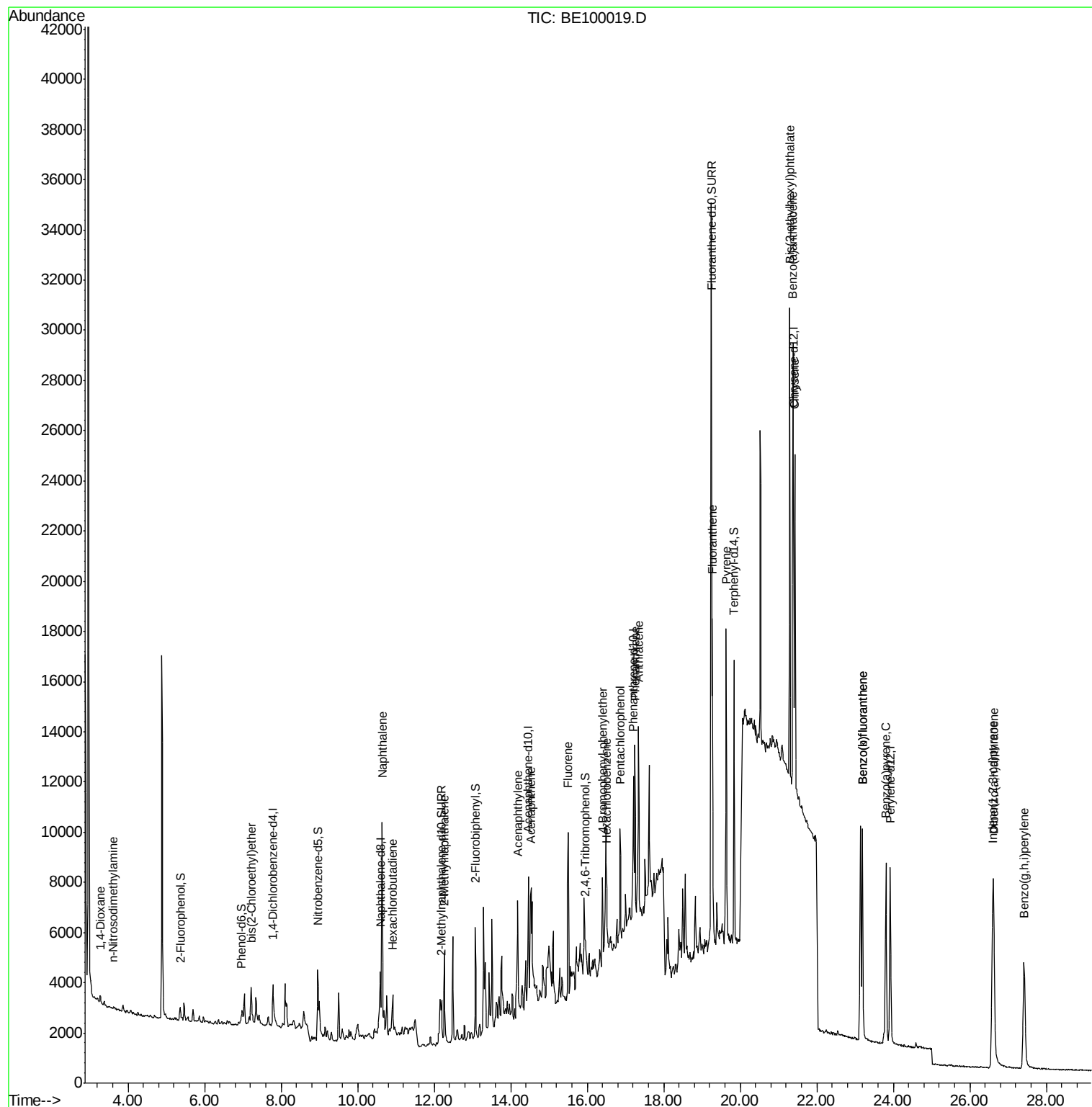
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.27  | 88   | 269      | 0.202 | ng    | # 67   |
| 3) n-Nitrosodimethylamine      | 3.61  | 42   | 70       | 0.091 | ng    | # 100  |
| 6) bis(2-Chloroethyl)ether     | 7.22  | 93   | 895      | 0.349 | ng    | 82     |
| 9) Naphthalene                 | 10.64 | 128  | 15815    | 0.458 | ng    | 99     |
| 10) Hexachlorobutadiene        | 10.91 | 225  | 1111     | 0.422 | ng    | 98     |
| 12) 2-Methylnaphthalene        | 12.27 | 142  | 2554     | 0.456 | ng    | 98     |
| 16) Acenaphthylene             | 14.18 | 152  | 5048     | 0.398 | ng    | # 96   |
| 17) Acenaphthene               | 14.53 | 154  | 2752     | 0.398 | ng    | 96     |
| 18) Fluorene                   | 15.50 | 166  | 4444     | 0.428 | ng    | # 98   |
| 20) 4-Bromophenyl-phenylether  | 16.40 | 248  | 1853     | 0.434 | ng    | # 88   |
| 21) Hexachlorobenzene          | 16.51 | 284  | 1715     | 0.393 | ng    | # 92   |
| 22) Pentachlorophenol          | 16.85 | 266  | 2514     | 1.497 | ng    | # 81   |
| 23) Phenanthrene               | 17.24 | 178  | 7317     | 0.400 | ng    | # 90   |
| 24) Anthracene                 | 17.34 | 178  | 7584     | 0.452 | ng    | # 89   |
| 26) Fluoranthene               | 19.27 | 202  | 11861    | 0.382 | ng    | 97     |
| 28) Pyrene                     | 19.63 | 202  | 11783    | 0.464 | ng    | 94     |
| 30) Benzo(a)anthracene         | 21.38 | 228  | 13537    | 0.468 | ng    | 95     |
| 31) Chrysene                   | 21.43 | 228  | 13112    | 0.439 | ng    | 93     |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 19201    | 0.463 | ng    | # 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.59 | 276  | 13955    | 0.394 | ng    | # 94   |
| 35) Benzo(b)fluoranthene       | 23.19 | 252  | 13025    | 0.429 | ng    | 96     |
| 36) Benzo(k)fluoranthene       | 23.19 | 252  | 13025    | 0.410 | ng    | # 95   |
| 37) Benzo(a)pyrene             | 23.80 | 252  | 11960    | 0.400 | ng    | # 95   |
| 38) Dibenzo(a,h)anthracene     | 26.62 | 278  | 11382    | 0.378 | ng    | 97     |
| 39) Benzo(g,h,i)perylene       | 27.42 | 276  | 12010    | 0.386 | ng    | 98     |

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

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Sample : K3284-06MS  
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Quant Time: Jun 15 00:48:10 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE061019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 10 14:57:20 2019  
Response via : Initial Calibration



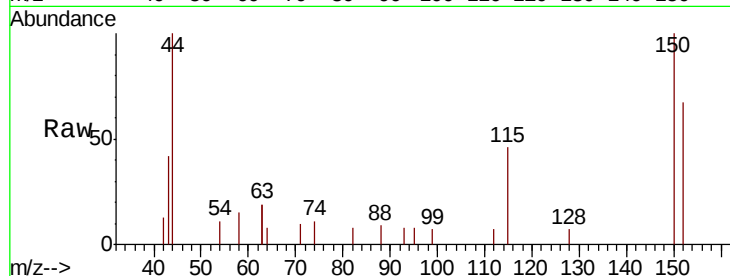


#1

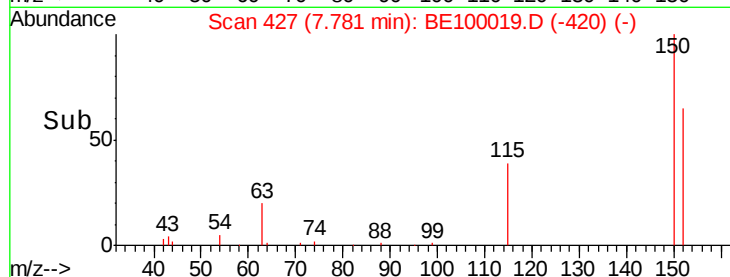
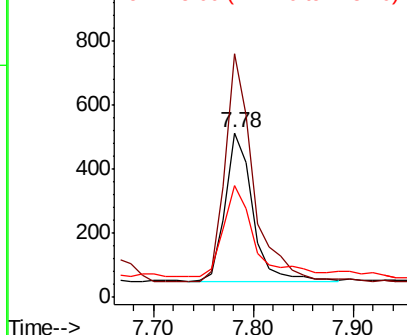
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.78 min Scan# 427  
Delta R.T. -0.01 min  
Lab File: BE100019.D  
Acq: 14 Jun 2019 12:17

Instrument :  
BNA\_E  
ClientSampleId :  
BP-TT-AOC22-MW10-20190609MS

Tgt Ion: 152 Resp: 902  
Ion Ratio Lower Upper  
152 100  
150 148.1 111.0 166.6  
115 68.0 50.7 76.1



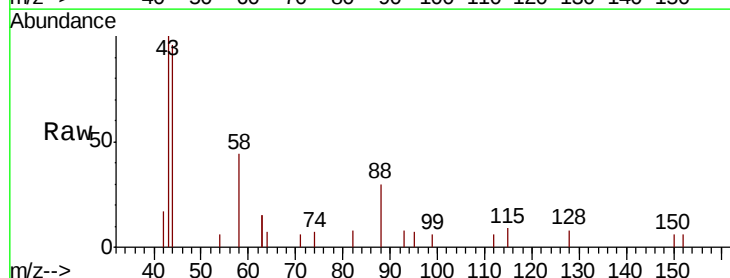
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



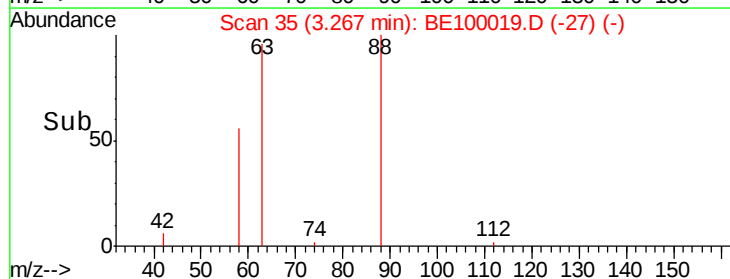
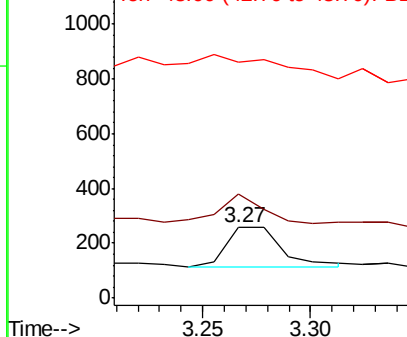
#2

1,4-Dioxane  
Concen: 0.202 ng  
RT: 3.27 min Scan# 35  
Delta R.T. -0.00 min  
Lab File: BE100019.D  
Acq: 14 Jun 2019 12:17

Tgt Ion: 88 Resp: 269  
Ion Ratio Lower Upper  
88 100  
58 58.0 48.8 73.2  
43 76.6 19.0 28.6#



Abundance Ion 88.00 (87.70 to 88.70): BE1  
Ion 58.00 (57.70 to 58.70): BE1  
Ion 43.00 (42.70 to 43.70): BE1



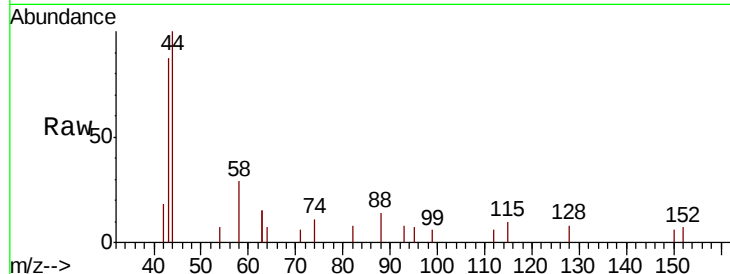


#3

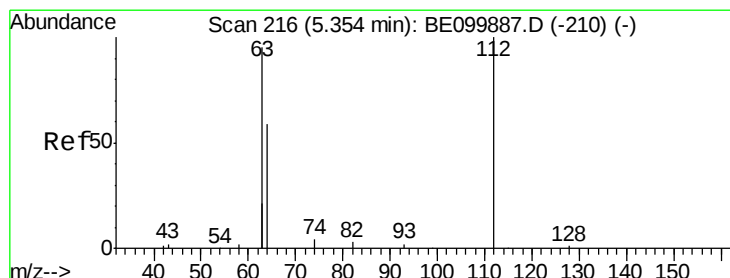
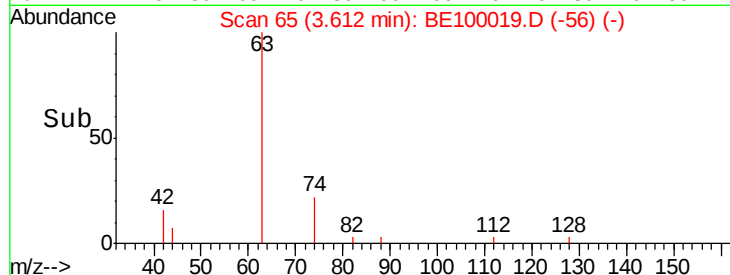
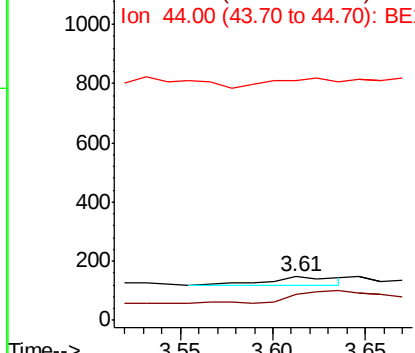
n-Nitrosodimethylamine  
 Concen: 0.091 ng  
 RT: 3.61 min Scan# 65  
 Delta R.T. 0.01 min  
 Lab File: BE100019.D  
 Acq: 14 Jun 2019 12:17

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-TT-AOC22-MW10-20190609MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 70    |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 0.0   | 0.0   | 0.0   |
| 44       | 0.0   | 0.0   | 0.0   |



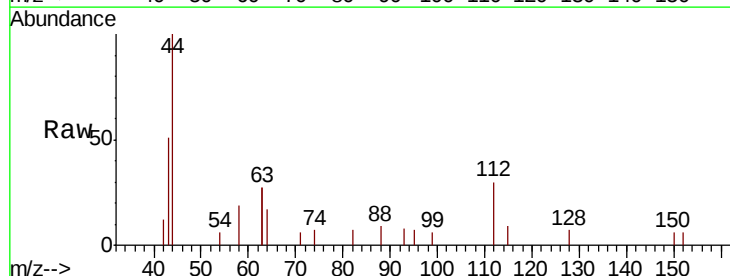
Abundance Ion 42.00 (41.70 to 42.70): BE1  
 Ion 74.00 (73.70 to 74.70): BE1  
 Ion 44.00 (43.70 to 44.70): BE1



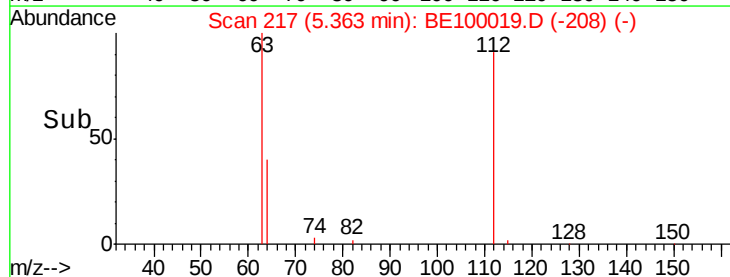
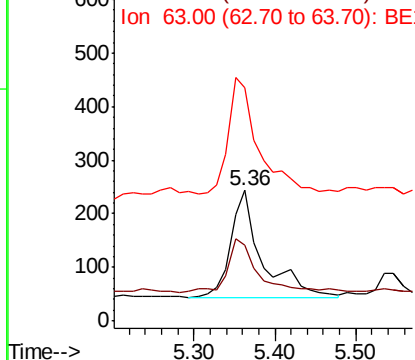
#4

2-Fluorophenol  
 Concen: 0.221 ng  
 RT: 5.36 min Scan# 217  
 Delta R.T. 0.01 min  
 Lab File: BE100019.D  
 Acq: 14 Jun 2019 12:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 537   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 46.4  | 44.1  | 66.1  |
| 63       | 108.6 | 87.8  | 131.6 |



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BE1  
 Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.124 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

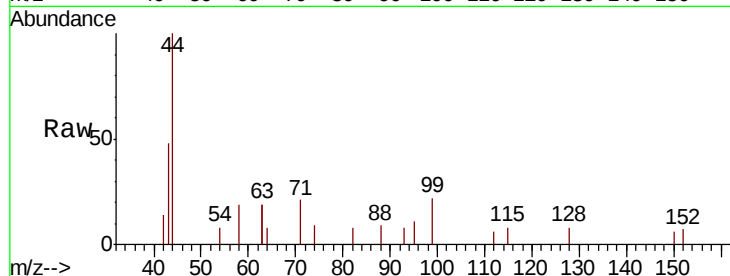
Tgt Ion: 99 Resp: 388

Ion Ratio Lower Upper

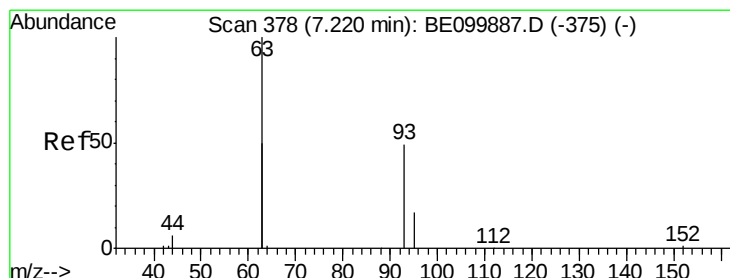
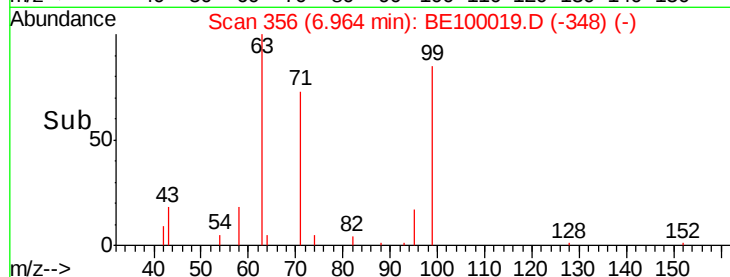
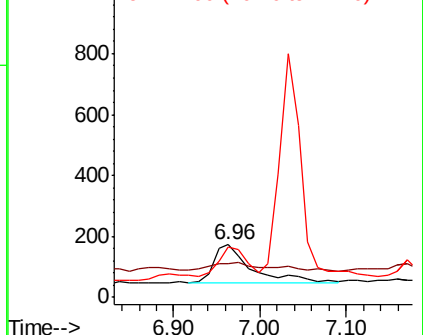
99 100

42 18.8 15.9 23.9

71 62.1 34.6 52.0#



Abundance Ion 99.00 (98.70 to 99.70): BE1  
Ion 42.00 (41.70 to 42.70): BE1  
Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.349 ng

RT: 7.22 min Scan# 378

Delta R.T. -0.00 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

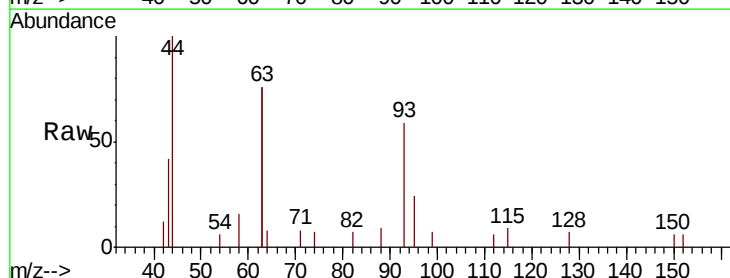
Tgt Ion: 93 Resp: 895

Ion Ratio Lower Upper

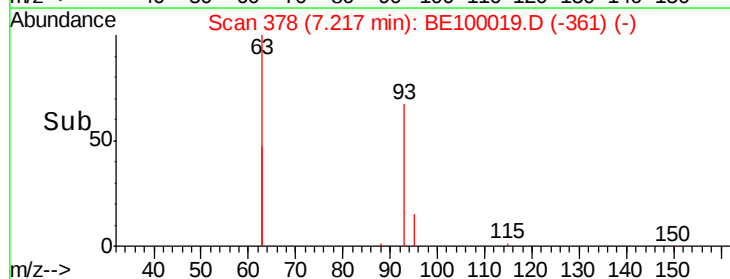
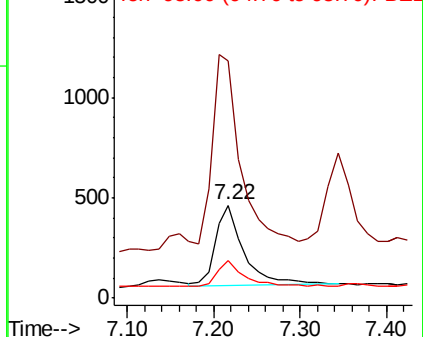
93 100

63 287.3 202.8 304.2

95 33.2 23.7 35.5



Abundance Ion 93.00 (92.70 to 93.70): BE1  
Ion 63.00 (62.70 to 63.70): BE1  
Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tgt Ion: 136 Resp: 3197

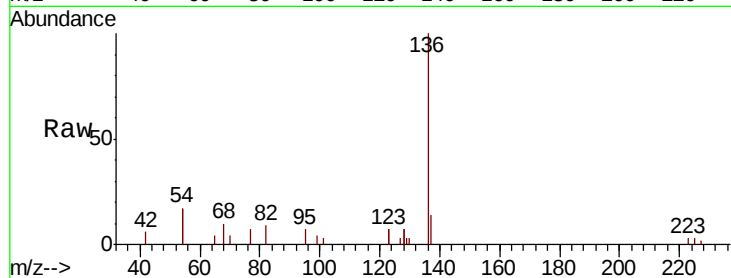
Ion Ratio Lower Upper

136 100

137 14.4 12.3 18.5

54 33.4 28.2 42.4

68 9.9 7.8 11.8

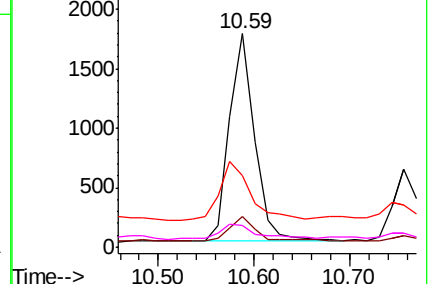
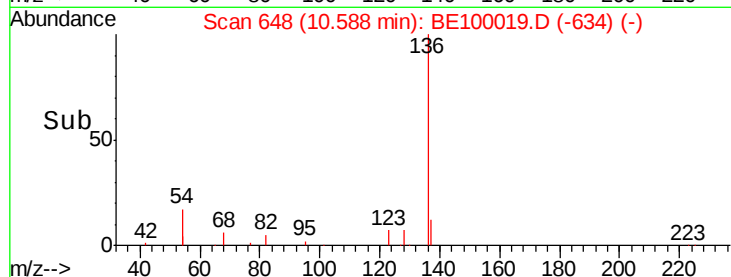


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.451 ng

RT: 8.95 min Scan# 522

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

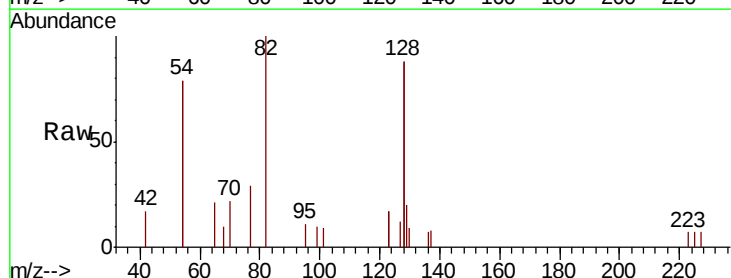
Tgt Ion: 82 Resp: 1364

Ion Ratio Lower Upper

82 100

128 175.8 137.3 205.9

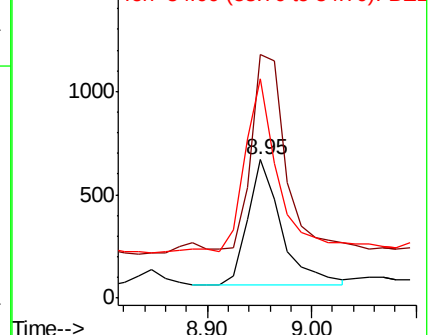
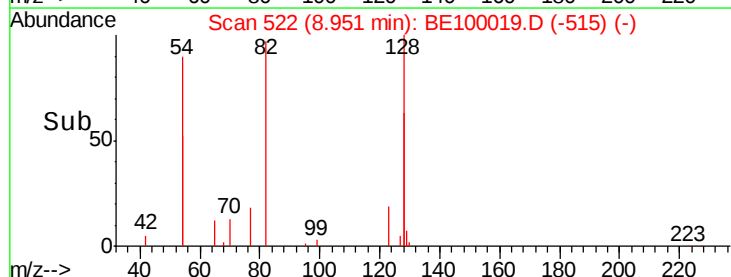
54 158.5 129.7 194.5

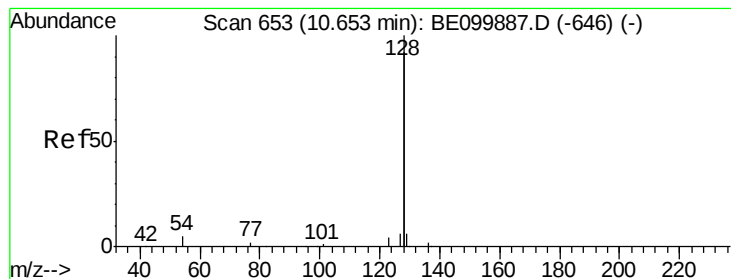


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.458 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

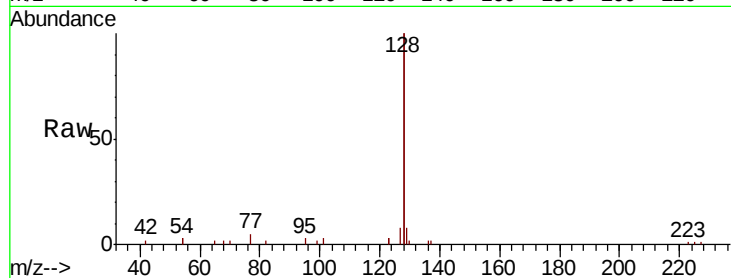
Tgt Ion:128 Resp: 15815

Ion Ratio Lower Upper

128 100

129 4.0 3.0 4.6

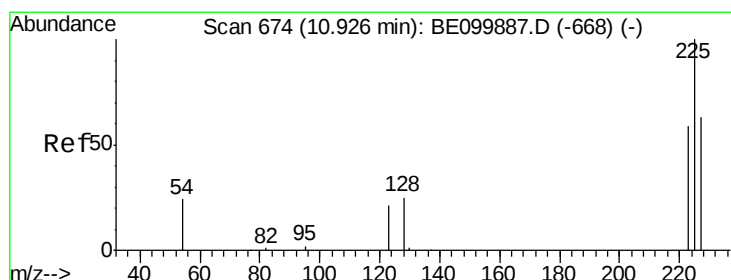
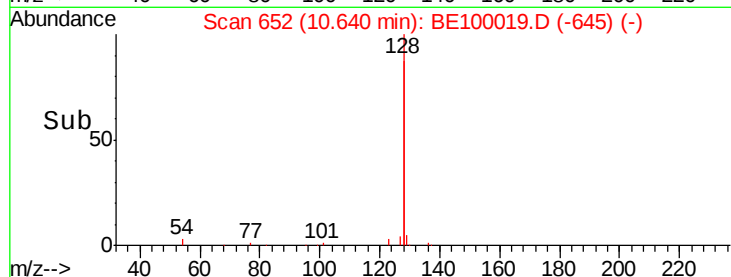
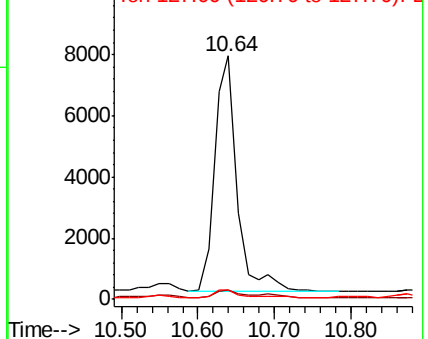
127 3.8 3.4 5.0



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: 0.422 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

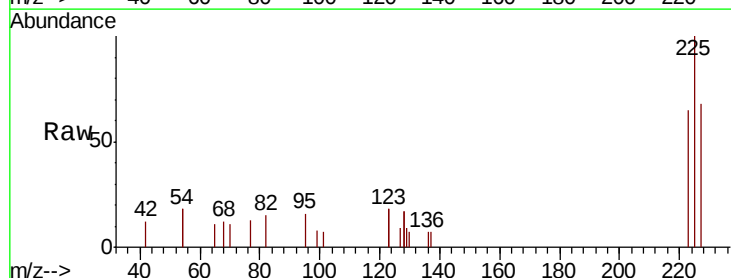
Tgt Ion:225 Resp: 1111

Ion Ratio Lower Upper

225 100

223 64.4 51.6 77.4

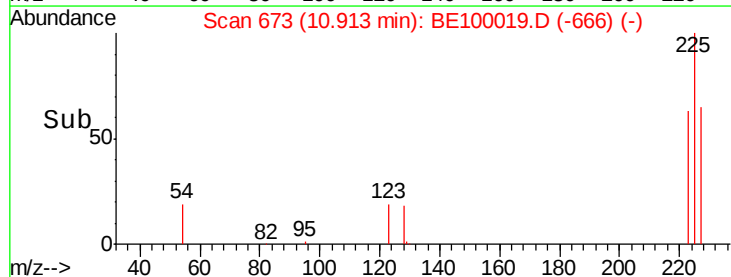
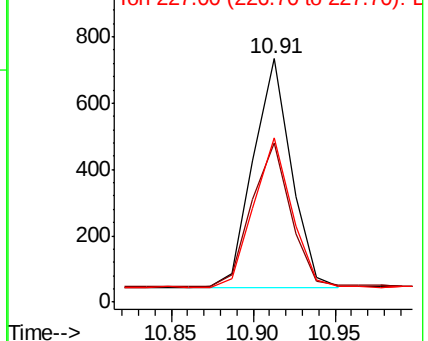
227 65.6 50.6 76.0



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: 0.509 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

Instrument :

BNA\_E

ClientSampleId :

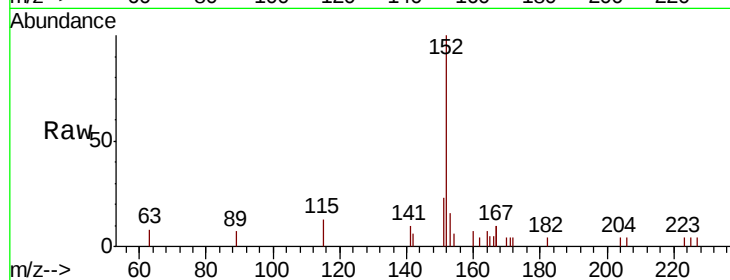
BP-TT-AOC22-MW10-20190609MS

Tgt Ion:152 Resp: 2839

Ion Ratio Lower Upper

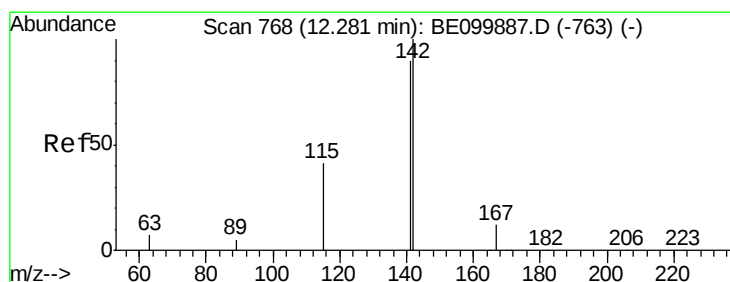
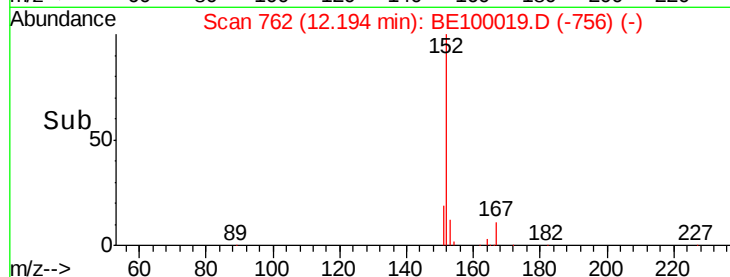
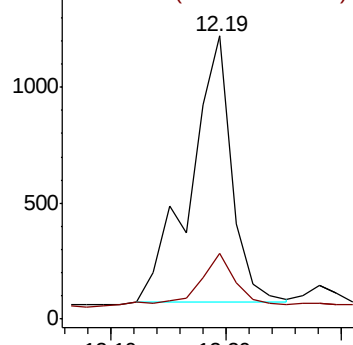
152 100

151 15.1 15.2 22.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.456 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

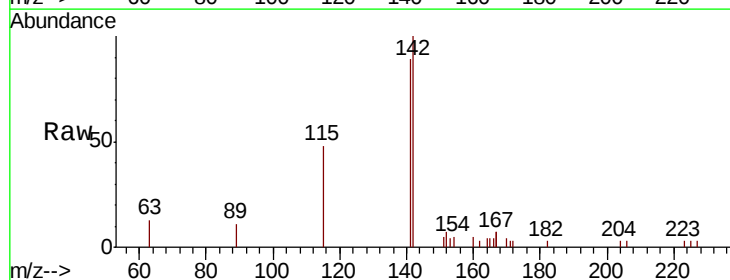
Tgt Ion:142 Resp: 2554

Ion Ratio Lower Upper

142 100

141 89.0 72.3 108.5

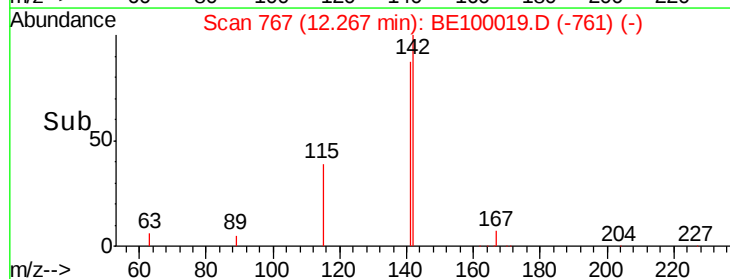
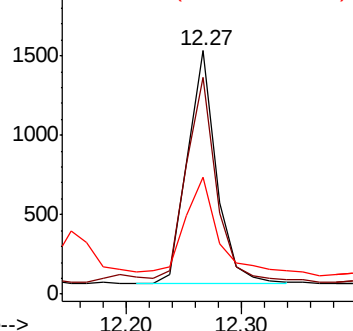
115 48.2 36.4 54.6

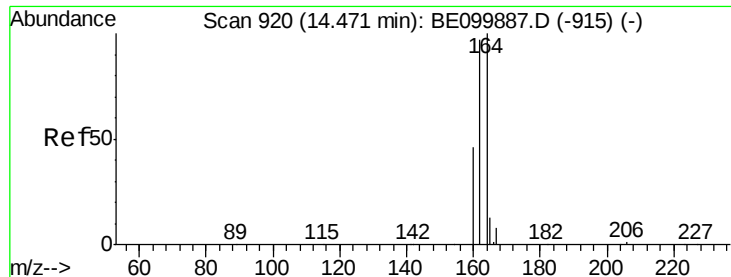


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

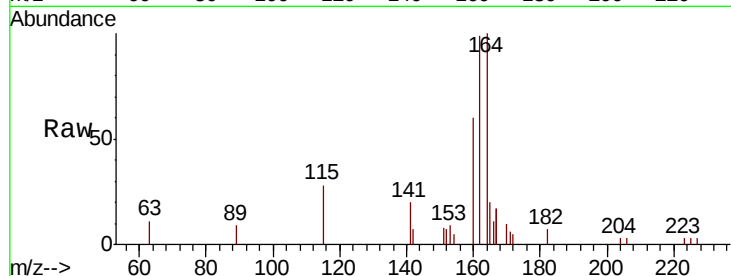




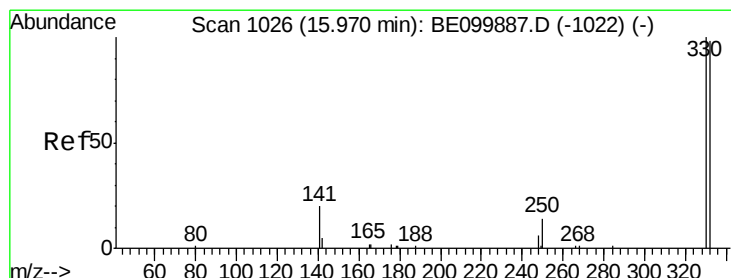
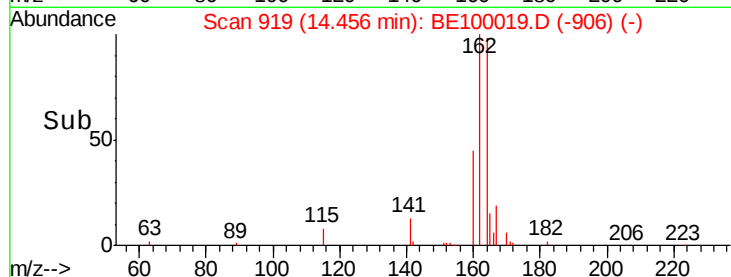
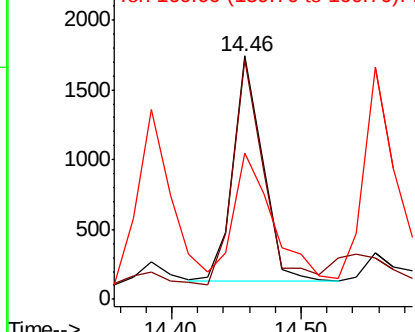
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.46 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: BE100019.D  
Acq: 14 Jun 2019 12:17

Instrument :  
BNA\_E  
ClientSampleId :  
BP-TT-AOC22-MW10-20190609MS

Tgt Ion:164 Resp: 2550  
Ion Ratio Lower Upper  
164 100  
162 98.7 77.8 116.8  
160 60.4 38.2 57.4#

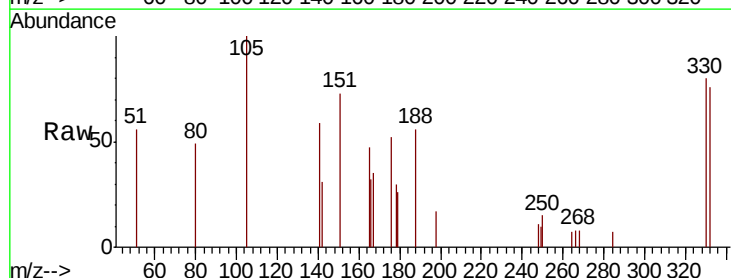


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

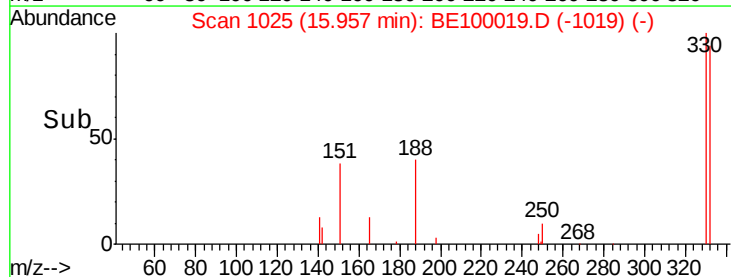
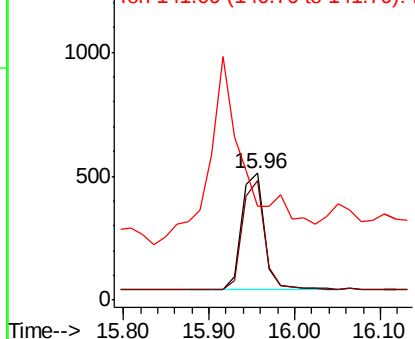


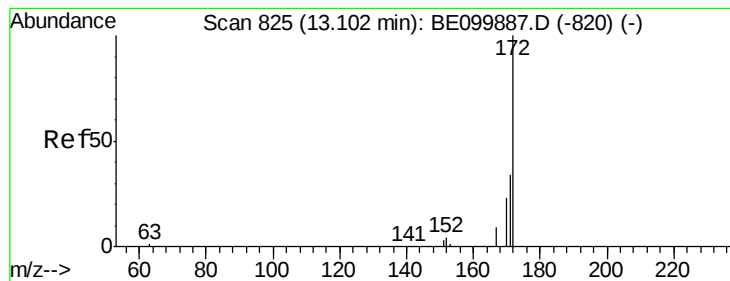
#14  
2,4,6-Tribromophenol  
Concen: 0.457 ng  
RT: 15.96 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BE100019.D  
Acq: 14 Jun 2019 12:17

Tgt Ion:330 Resp: 861  
Ion Ratio Lower Upper  
330 100  
332 91.2 76.7 115.1  
141 0.0 21.0 31.6#



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: 0.454 ng

RT: 13.07 min Scan# 823

Delta R.T. -0.03 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

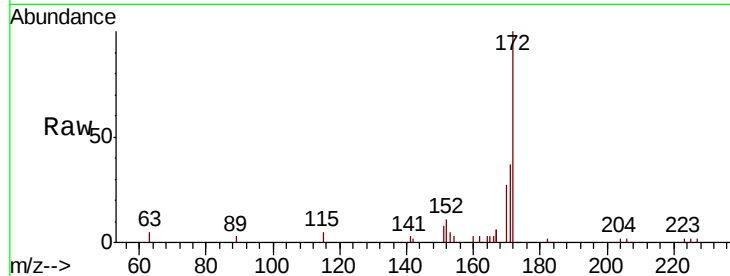
Tgt Ion:172 Resp: 4391

Ion Ratio Lower Upper

172 100

171 37.1 29.2 43.8

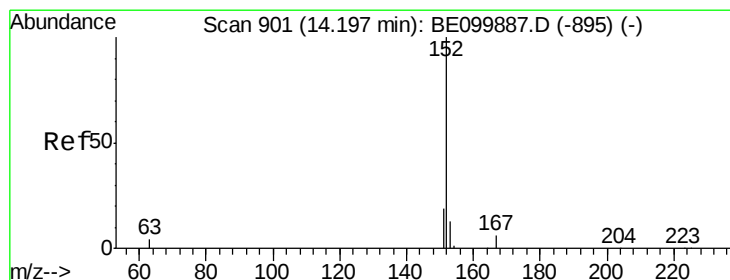
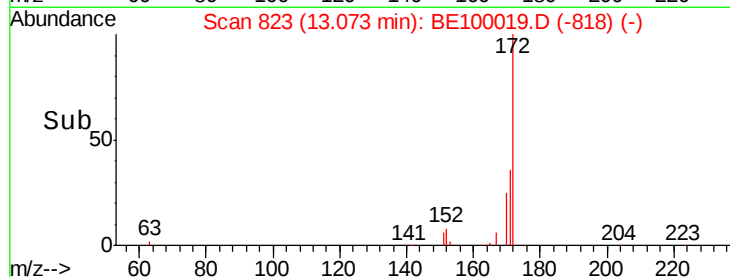
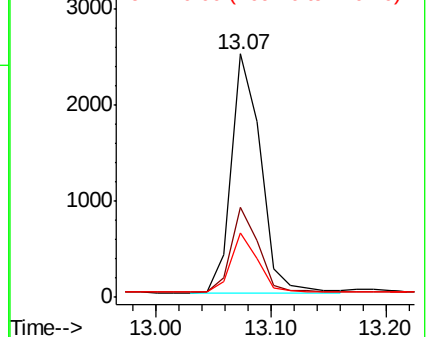
170 26.7 21.2 31.8



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: 0.398 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

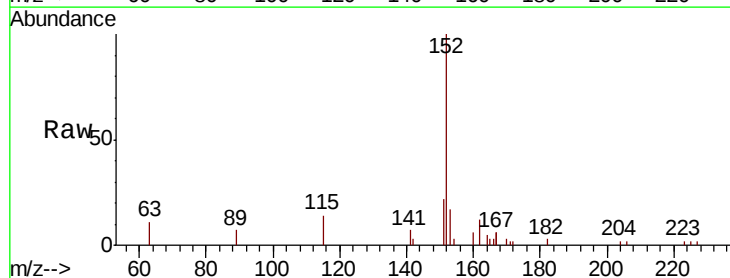
Tgt Ion:152 Resp: 5048

Ion Ratio Lower Upper

152 100

151 18.8 15.5 23.3

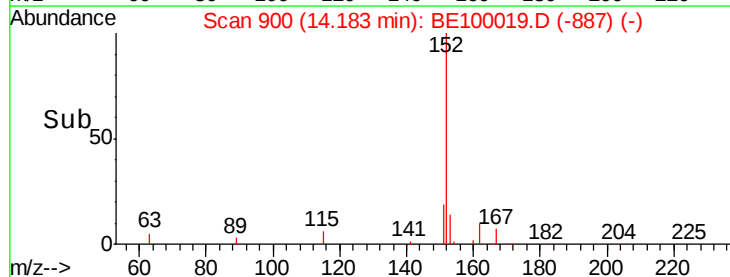
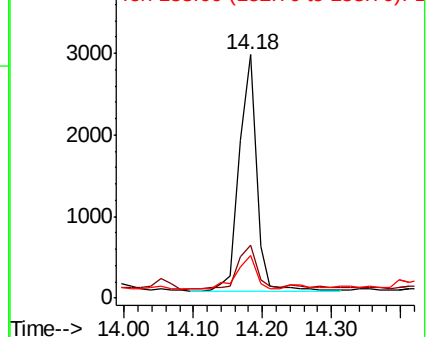
153 15.9 10.2 15.2#

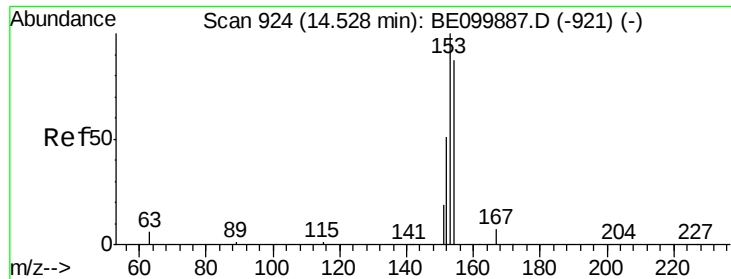


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

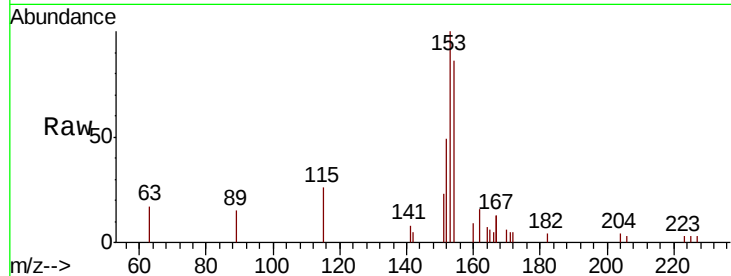




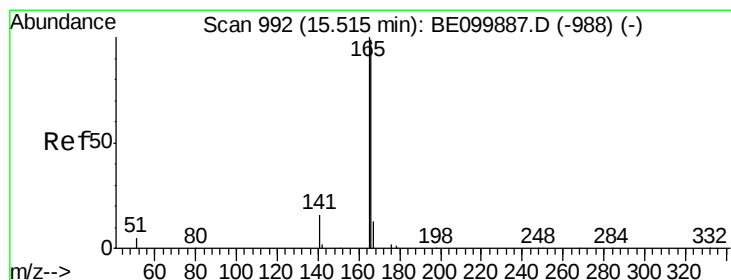
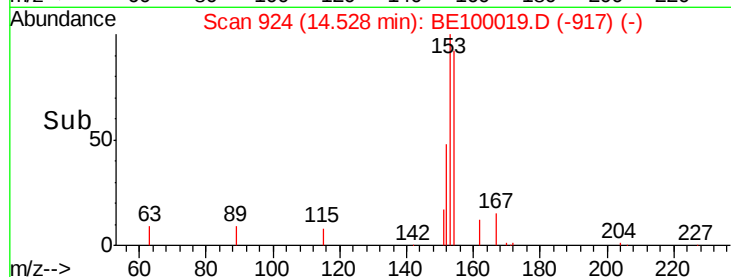
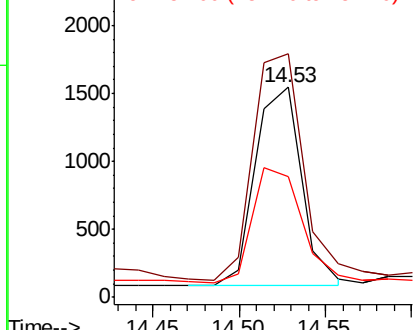
#17  
Acenaphthene  
Concen: 0.398 ng  
RT: 14.53 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: BE100019.D  
Acq: 14 Jun 2019 12:17

Instrument :  
BNA\_E  
ClientSampleId :  
BP-TT-AOC22-MW10-20190609MS

Tgt Ion:154 Resp: 2752  
Ion Ratio Lower Upper  
154 100  
153 122.2 93.1 139.7  
152 59.9 47.0 70.4

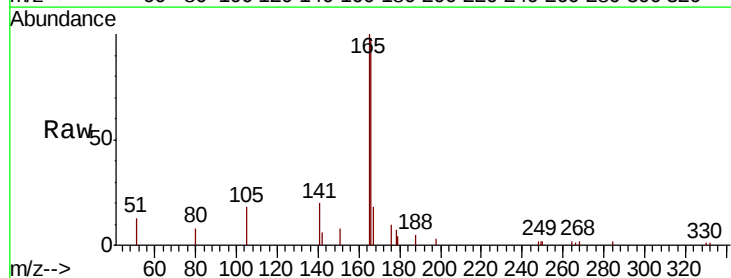


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

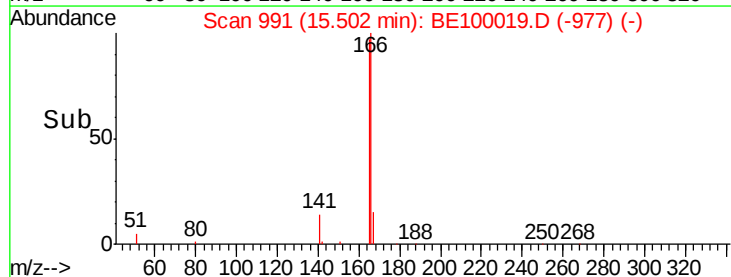
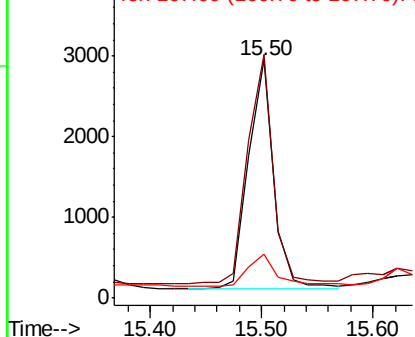


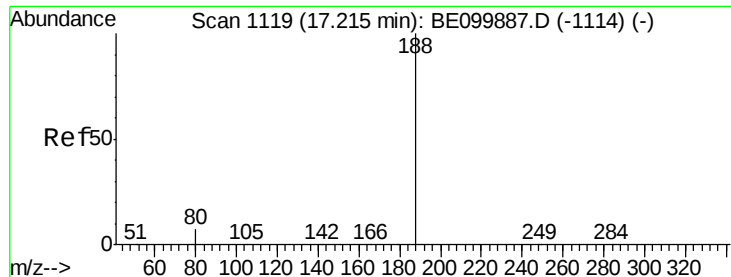
#18  
Fluorene  
Concen: 0.428 ng  
RT: 15.50 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: BE100019.D  
Acq: 14 Jun 2019 12:17

Tgt Ion:166 Resp: 4444  
Ion Ratio Lower Upper  
166 100  
165 101.7 81.8 122.8  
167 17.9 11.2 16.8#



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: BE100019.D

Acq: 14 Jun 2019 12:17

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

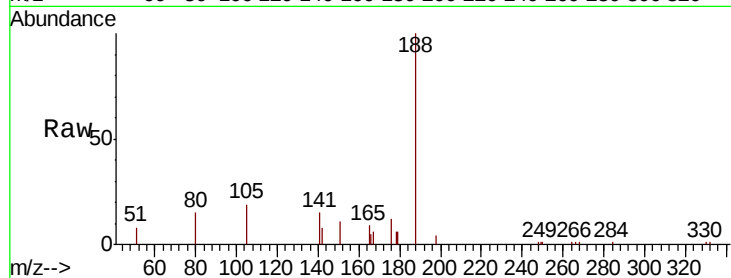
Tgt Ion:188 Resp: 7534

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

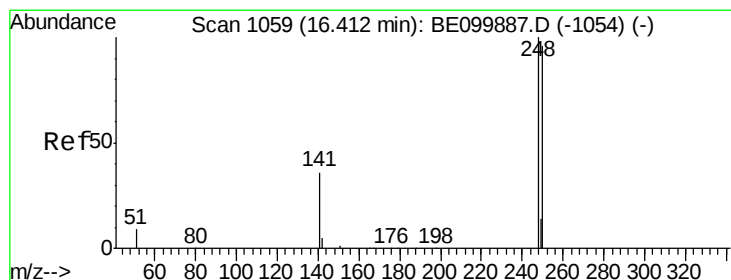
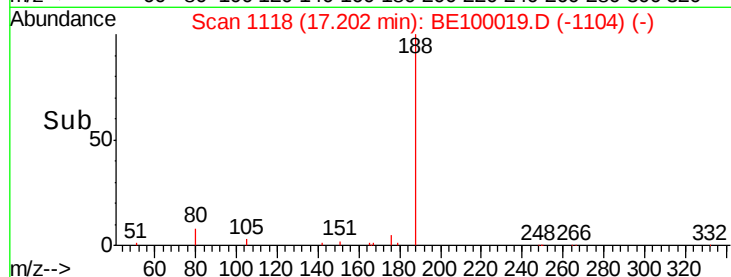
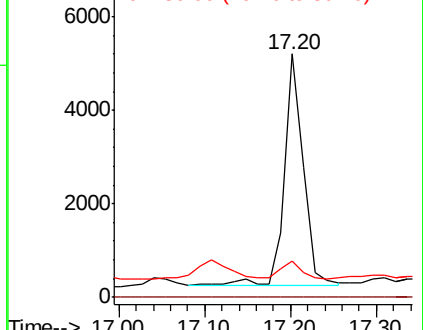
80 15.0 6.4 9.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.434 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

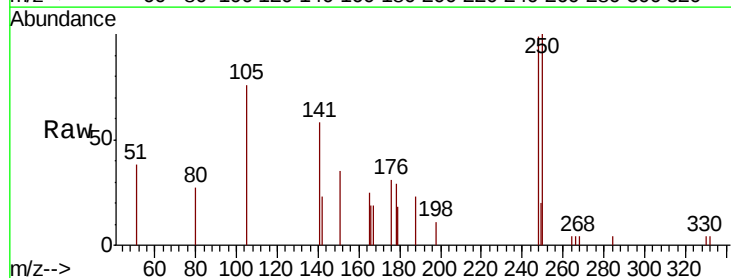
Tgt Ion:248 Resp: 1853

Ion Ratio Lower Upper

248 100

250 101.0 77.5 116.3

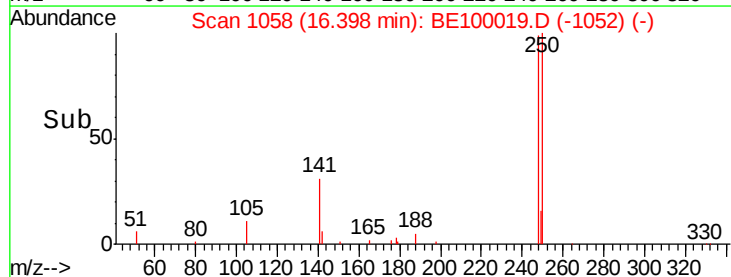
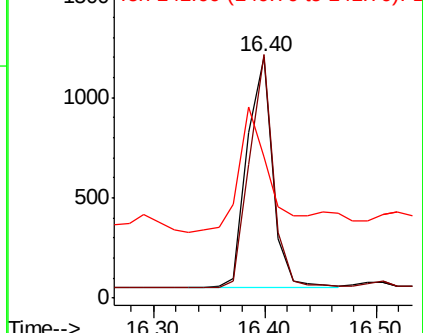
141 58.5 31.8 47.8#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.393 ng

RT: 16.51 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

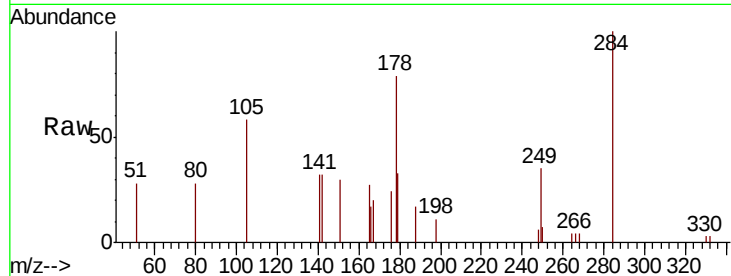
Tgt Ion:284 Resp: 1715

Ion Ratio Lower Upper

284 100

142 30.3 18.2 27.4#

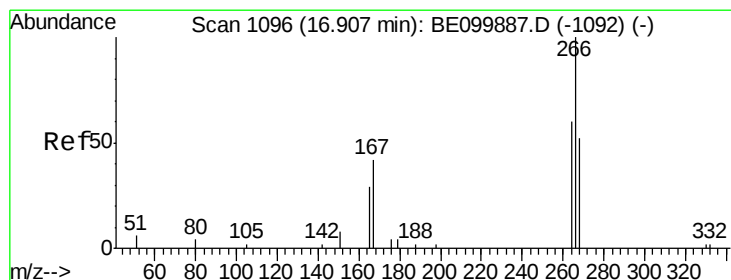
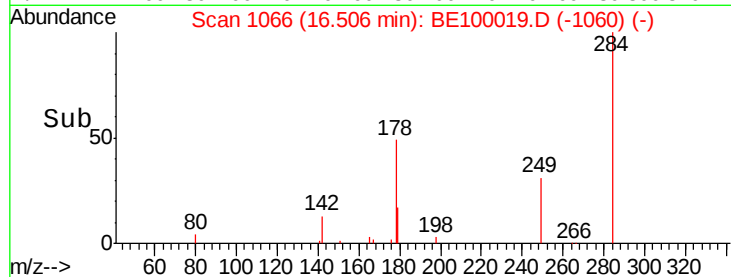
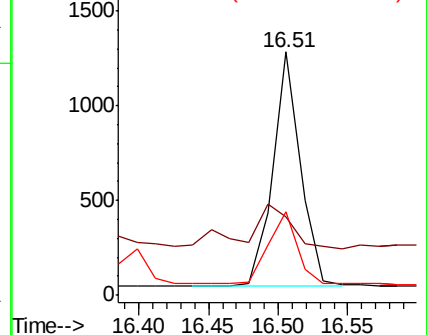
249 32.0 24.6 37.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.497 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.05 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

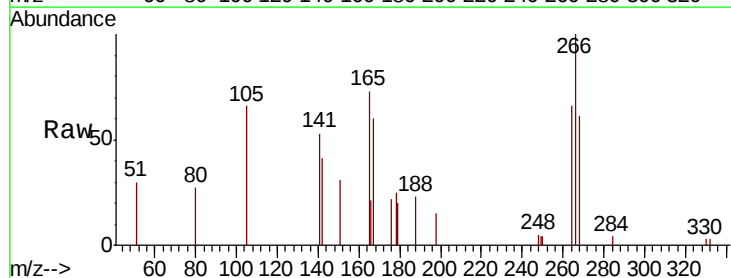
Tgt Ion:266 Resp: 2514

Ion Ratio Lower Upper

266 100

264 66.4 62.2 93.2

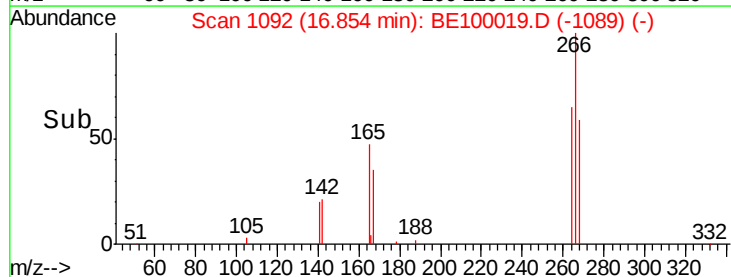
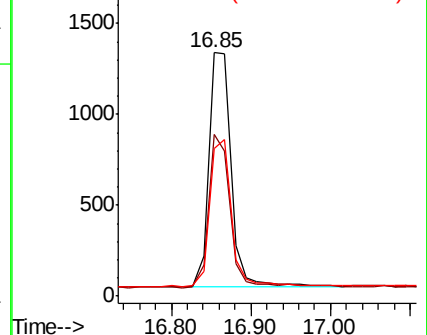
268 60.5 65.5 98.3#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.400 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

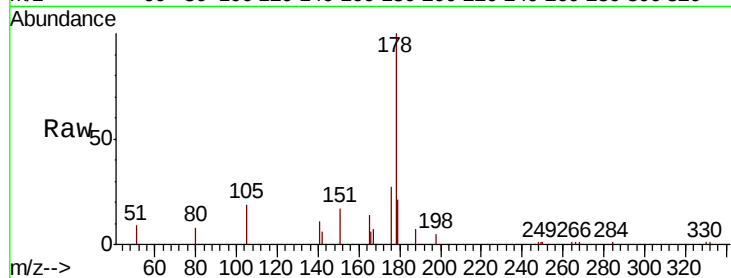
Tgt Ion:178 Resp: 7317

Ion Ratio Lower Upper

178 100

176 27.6 15.8 23.8#

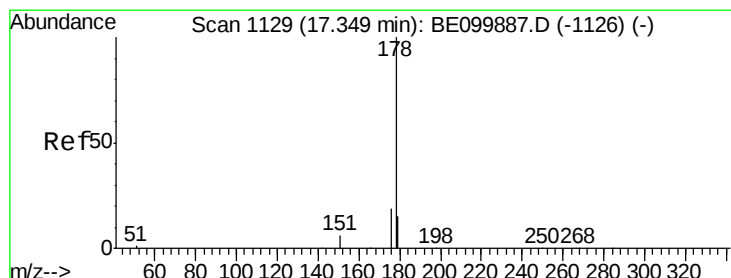
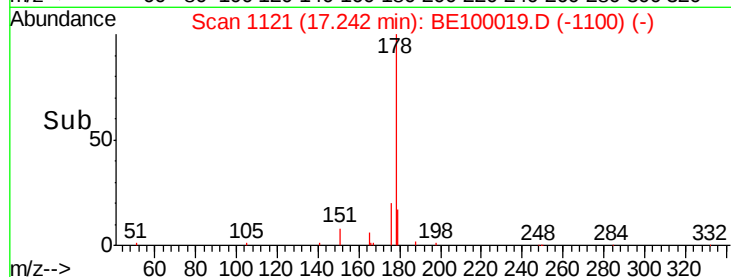
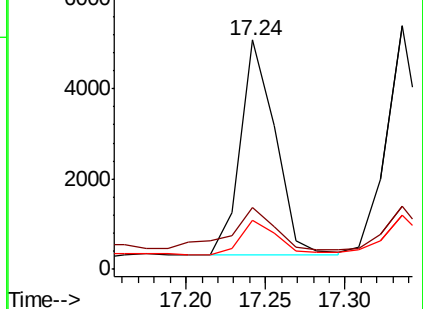
179 16.0 12.4 18.6



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



#24

Anthracene

Concen: 0.452 ng

RT: 17.34 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

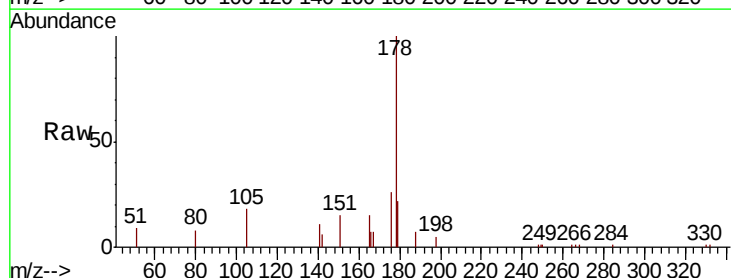
Tgt Ion:178 Resp: 7584

Ion Ratio Lower Upper

178 100

176 25.1 14.6 22.0#

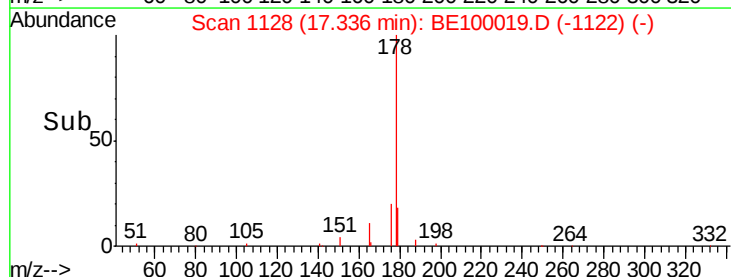
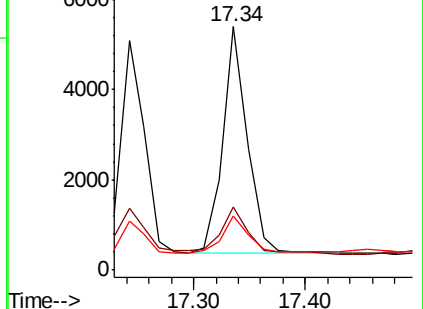
179 18.2 12.3 18.5



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

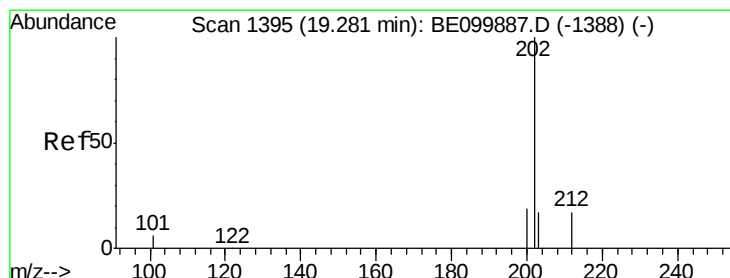
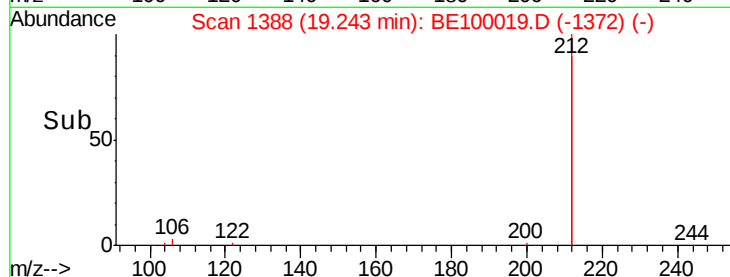
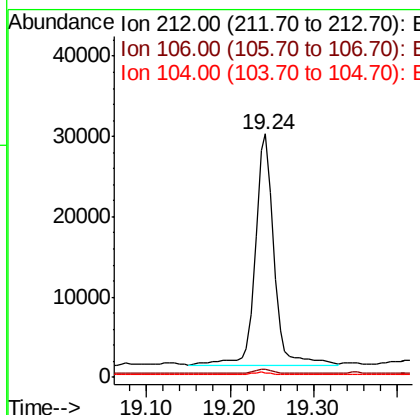
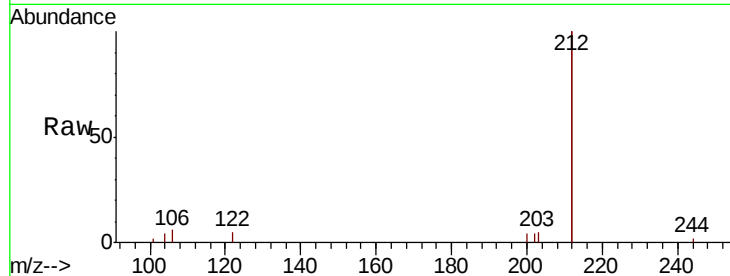




#25  
 Fluoranthene-d10  
 Concen: 0.410 ng  
 RT: 19.24 min Scan# 1388  
 Delta R.T. -0.01 min  
 Lab File: BE100019.D  
 Acq: 14 Jun 2019 12:17

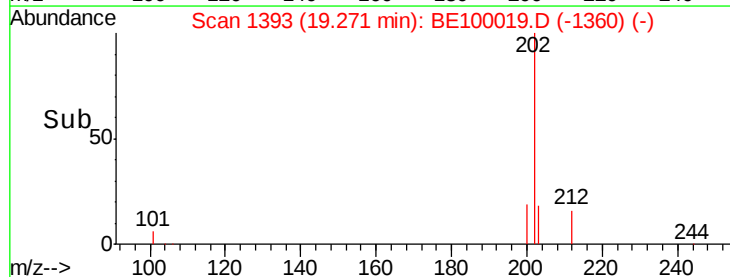
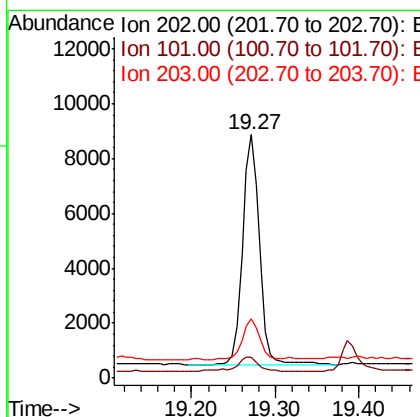
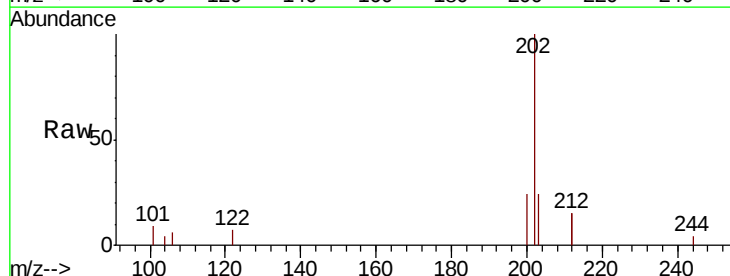
Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-TT-AOC22-MW10-20190609MS

Tgt Ion:212 Resp: 44969  
 Ion Ratio Lower Upper  
 212 100  
 106 1.6 1.4 2.2  
 104 1.0 0.9 1.3



#26  
 Fluoranthene  
 Concen: 0.382 ng  
 RT: 19.27 min Scan# 1393  
 Delta R.T. -0.01 min  
 Lab File: BE100019.D  
 Acq: 14 Jun 2019 12:17

Tgt Ion:202 Resp: 11861  
 Ion Ratio Lower Upper  
 202 100  
 101 7.5 5.4 8.0  
 203 17.7 13.2 19.8

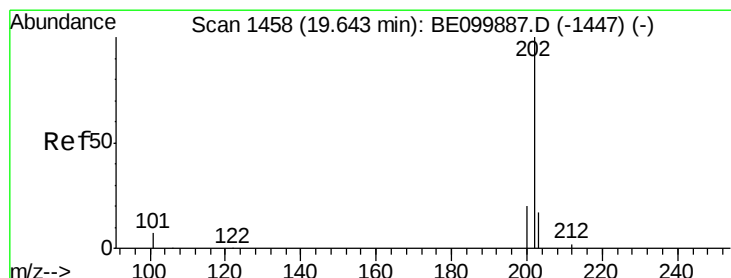
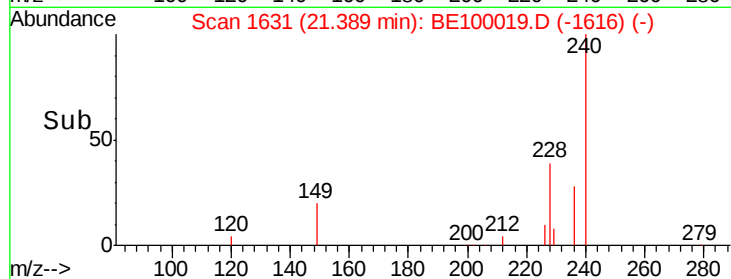
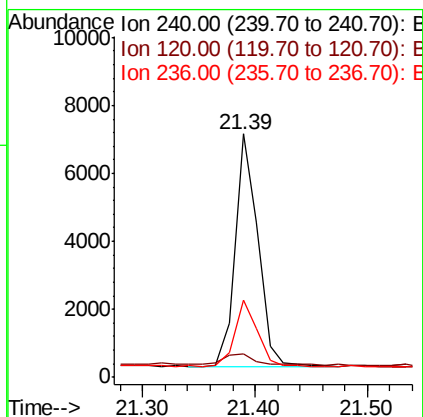
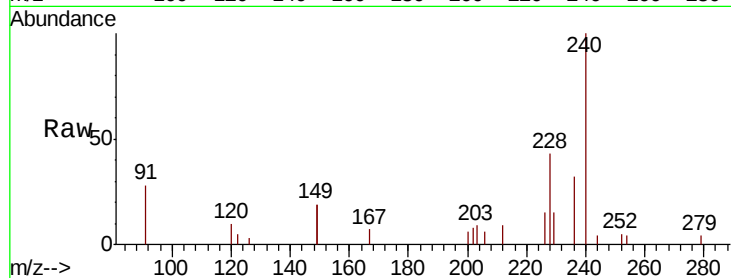




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.39 min Scan# 1631  
 Delta R.T. -0.01 min  
 Lab File: BE100019.D  
 Acq: 14 Jun 2019 12:17

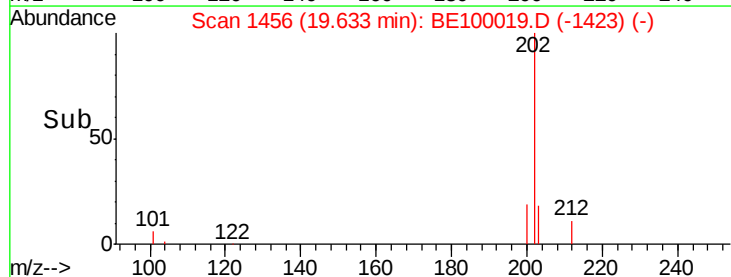
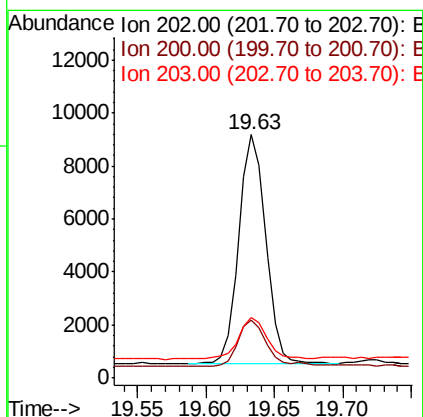
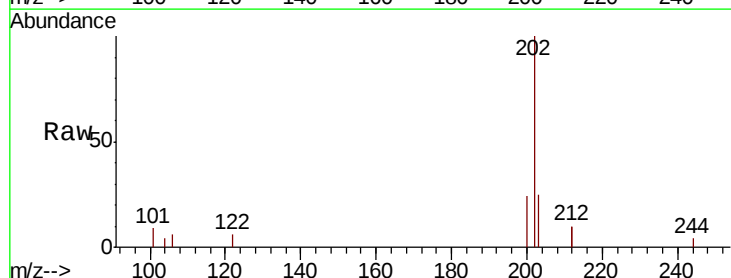
Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-TT-AOC22-MW10-20190609MS

Tgt Ion:240 Resp: 9671  
 Ion Ratio Lower Upper  
 240 100  
 120 9.7 3.8 5.6#  
 236 31.6 22.0 33.0



#28  
 Pyrene  
 Concen: 0.464 ng  
 RT: 19.63 min Scan# 1456  
 Delta R.T. -0.01 min  
 Lab File: BE100019.D  
 Acq: 14 Jun 2019 12:17

Tgt Ion:202 Resp: 11783  
 Ion Ratio Lower Upper  
 202 100  
 200 22.0 15.5 23.3  
 203 20.6 14.0 21.0





#29

Terphenyl-d14

Concen: 0.620 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

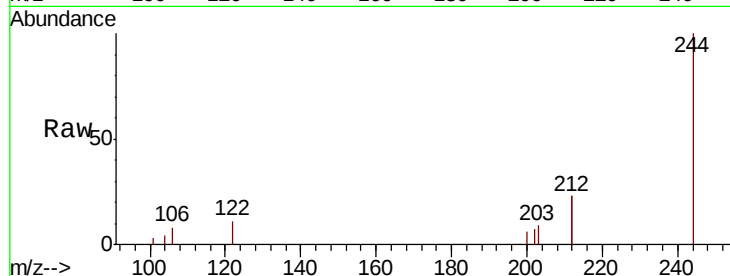
Tgt Ion:244 Resp: 10798

Ion Ratio Lower Upper

244 100

212 45.3 25.7 38.5#

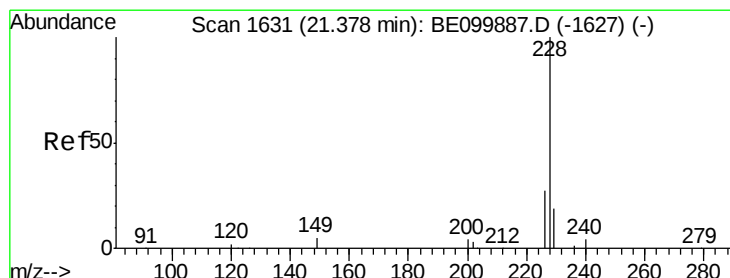
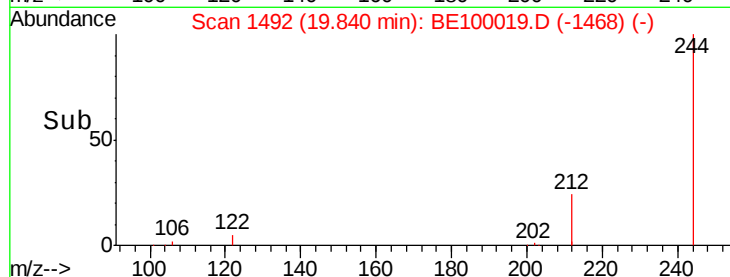
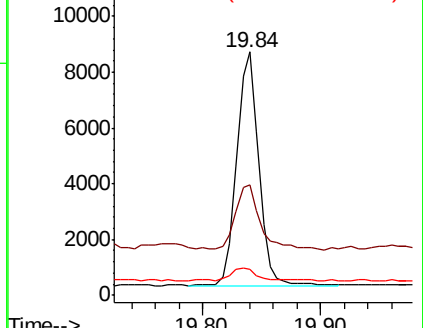
122 10.8 5.5 8.3#



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: 0.468 ng

RT: 21.38 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

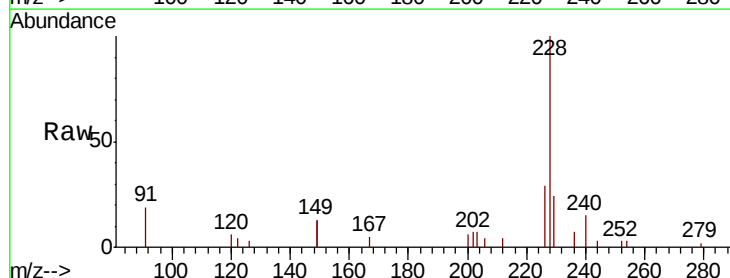
Tgt Ion:228 Resp: 13537

Ion Ratio Lower Upper

228 100

226 29.5 22.5 33.7

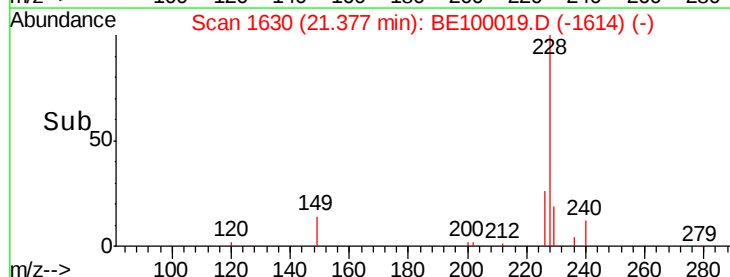
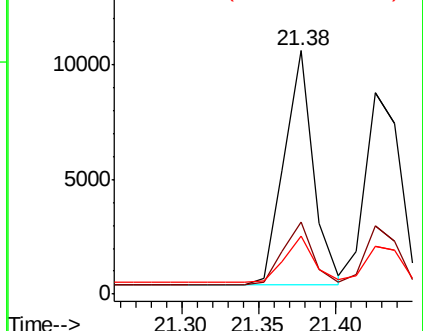
229 23.7 15.9 23.9

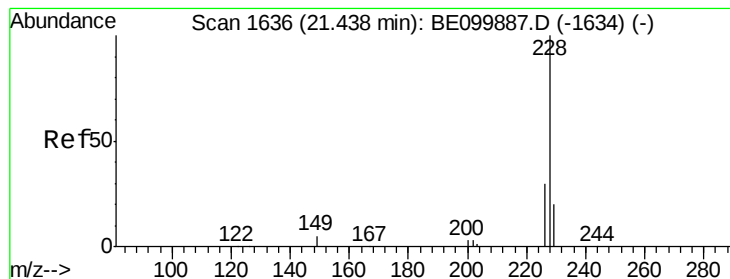


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.439 ng

RT: 21.43 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

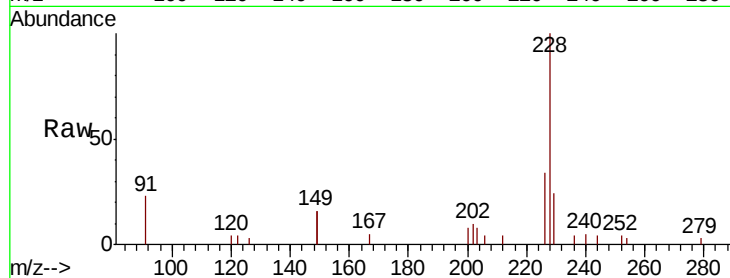
Tgt Ion: 228 Resp: 13112

Ion Ratio Lower Upper

228 100

226 34.0 24.1 36.1

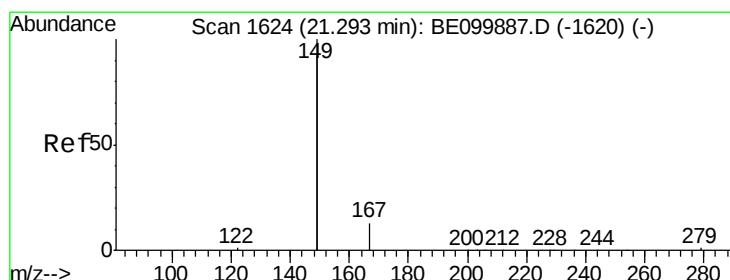
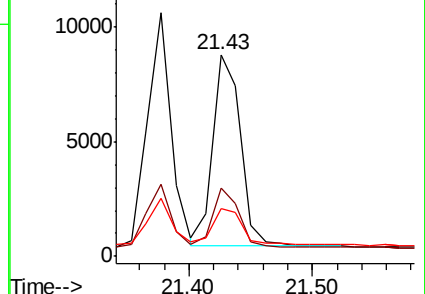
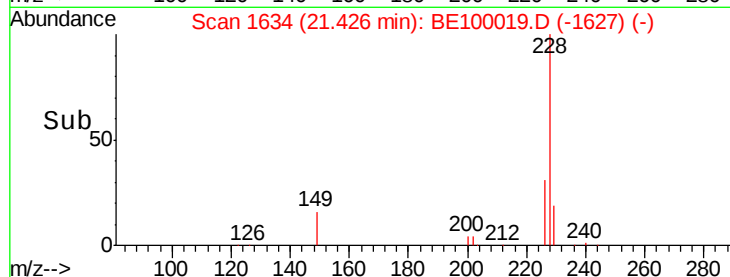
229 23.7 16.1 24.1



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: 0.463 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

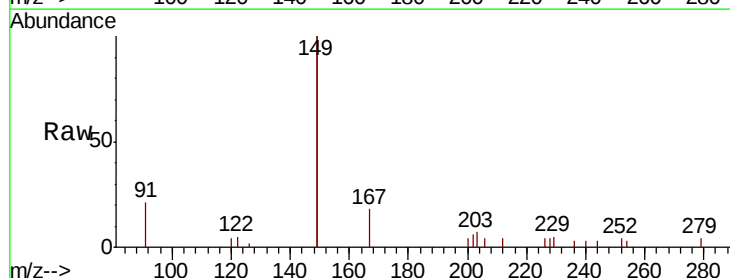
Tgt Ion: 149 Resp: 19201

Ion Ratio Lower Upper

149 100

167 7.4 5.9 8.9

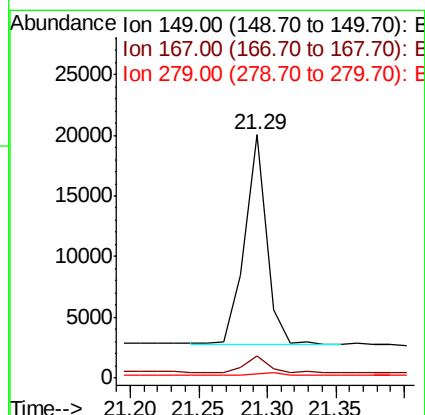
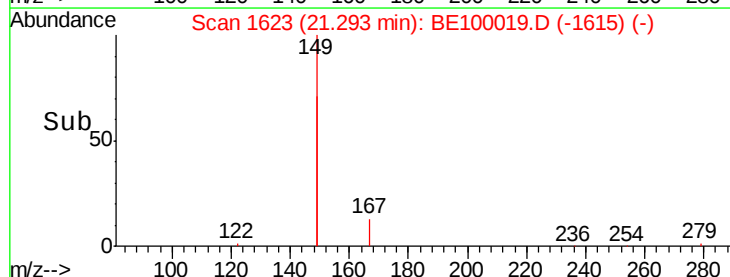
279 1.8 1.2 1.8#

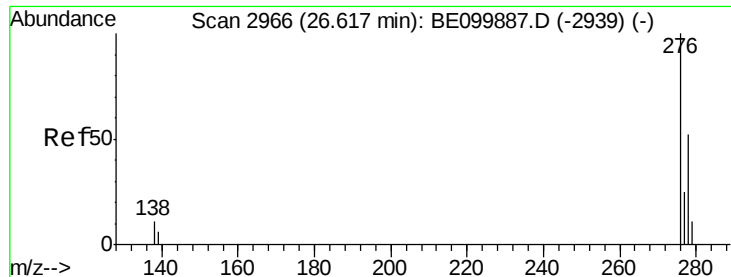


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.394 ng

RT: 26.59 min Scan# 2959

Delta R.T. -0.02 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

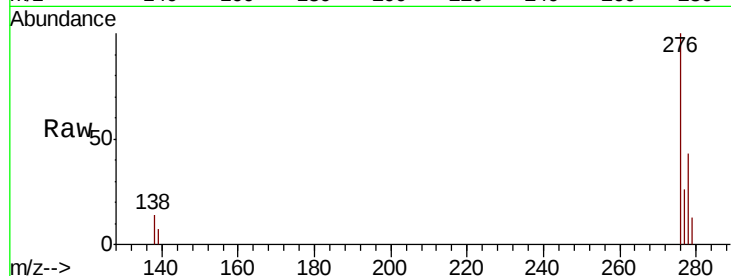
Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 13955 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 138      | 6.1   | 10.1  | 15.1# |
| 277      | 24.5  | 19.1  | 28.7  |

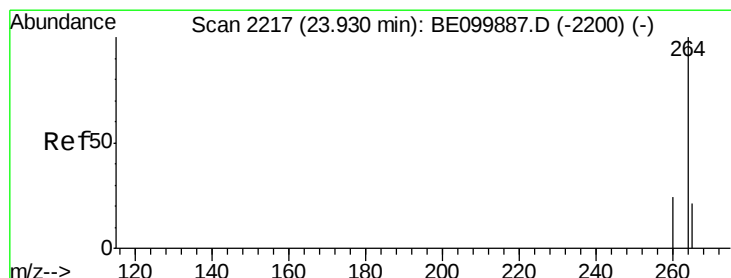
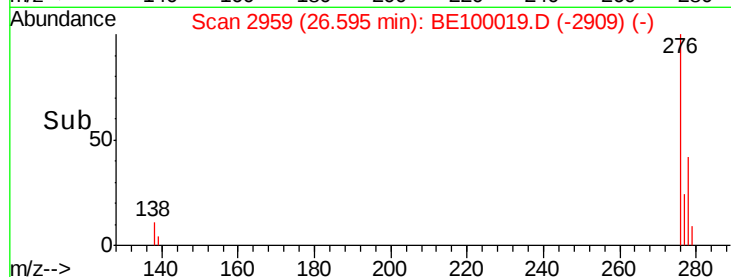
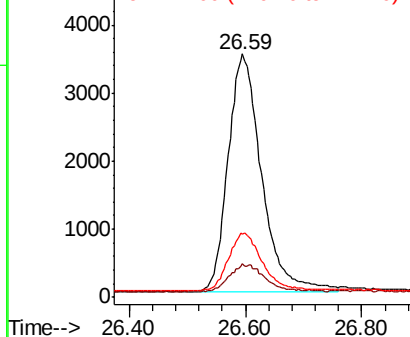


Abundance

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

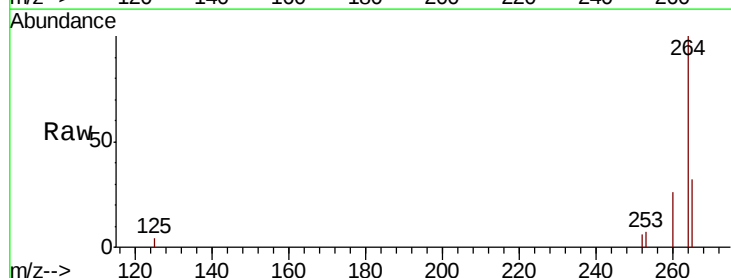
RT: 23.92 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 264   | Resp: | 10843 |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 26.5  | 20.2  | 30.2  |
| 265      | 31.7  | 22.0  | 33.0  |

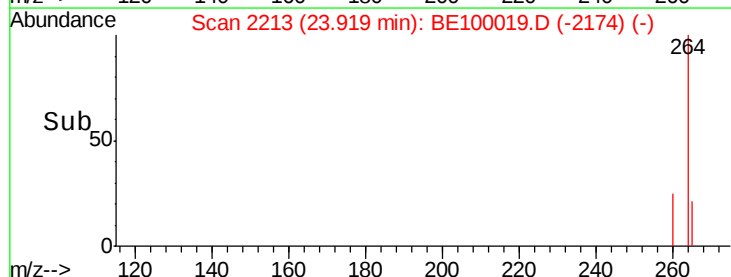
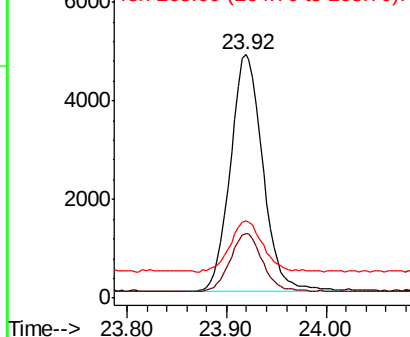


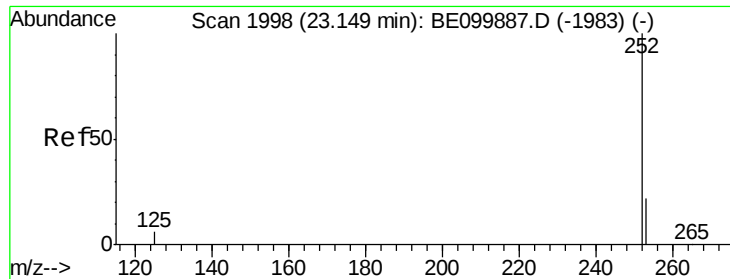
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

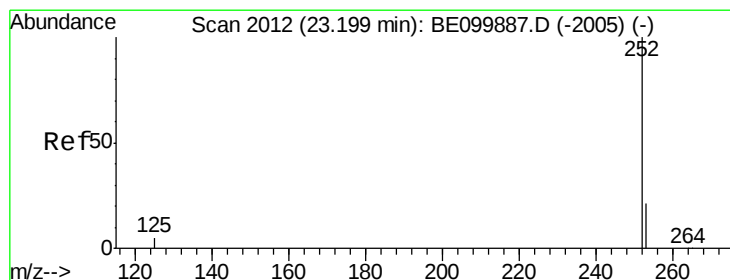
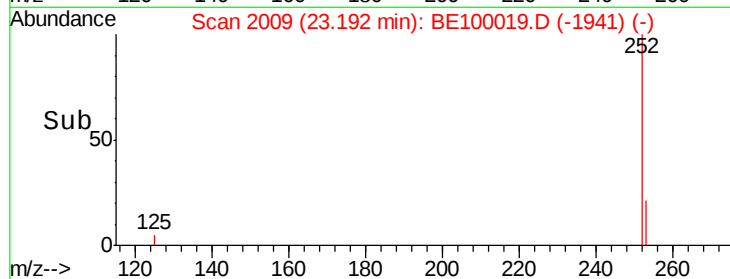
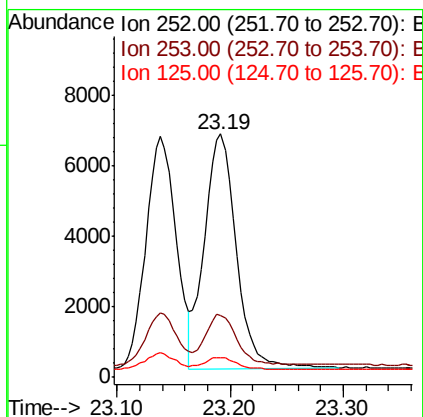
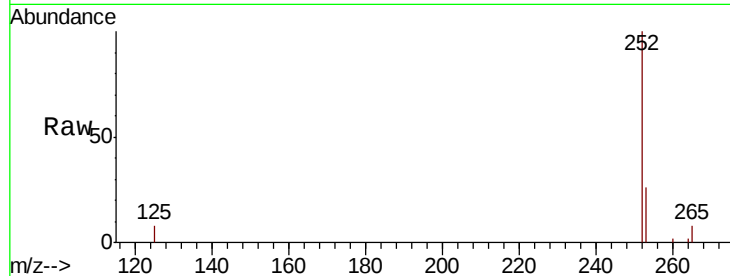




#35  
Benzo(b)fluoranthene  
Concen: 0.429 ng  
RT: 23.19 min Scan# 2009  
Delta R.T. 0.04 min  
Lab File: BE100019.D  
Acq: 14 Jun 2019 12:17

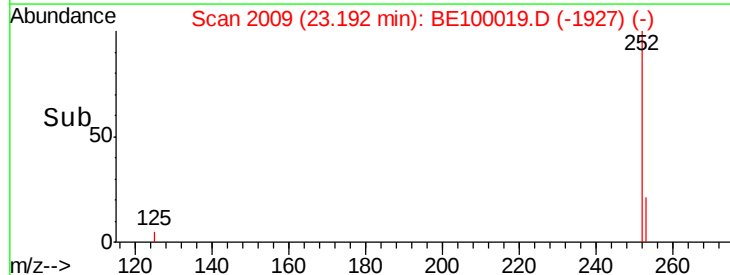
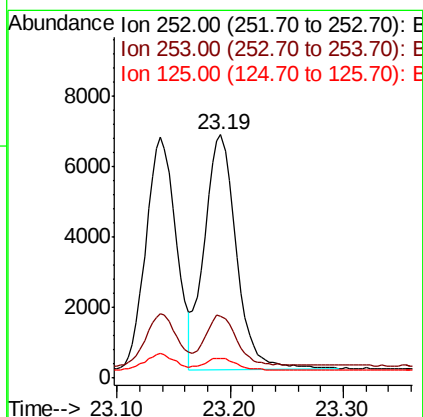
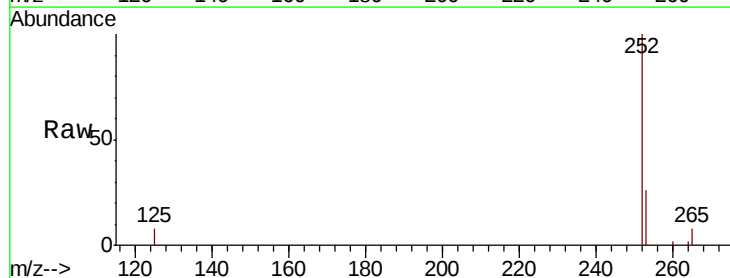
Instrument :  
BNA\_E  
ClientSampleId :  
BP-TT-AOC22-MW10-20190609MS

Tgt Ion:252 Resp: 13025  
Ion Ratio Lower Upper  
252 100  
253 25.6 18.7 28.1  
125 8.2 5.7 8.5



#36  
Benzo(k)fluoranthene  
Concen: 0.410 ng  
RT: 23.19 min Scan# 2009  
Delta R.T. -0.01 min  
Lab File: BE100019.D  
Acq: 14 Jun 2019 12:17

Tgt Ion:252 Resp: 13025  
Ion Ratio Lower Upper  
252 100  
253 25.6 18.6 28.0  
125 8.2 5.4 8.0#





#37

Benzo(a)pyrene

Concen: 0.400 ng

RT: 23.80 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

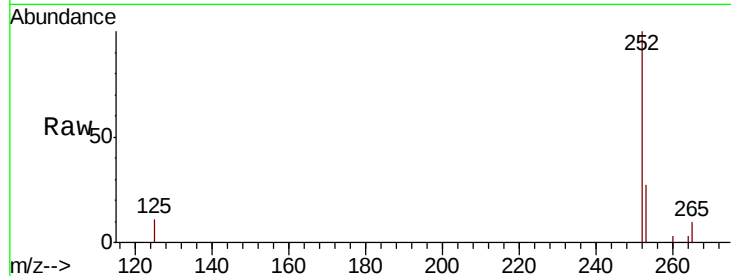
Tgt Ion:252 Resp: 11960

Ion Ratio Lower Upper

252 100

253 26.8 19.6 29.4

125 10.5 6.6 10.0#

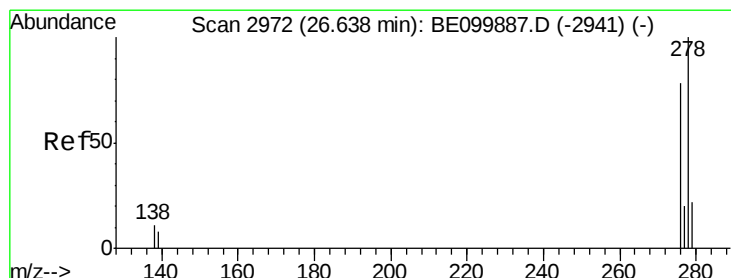
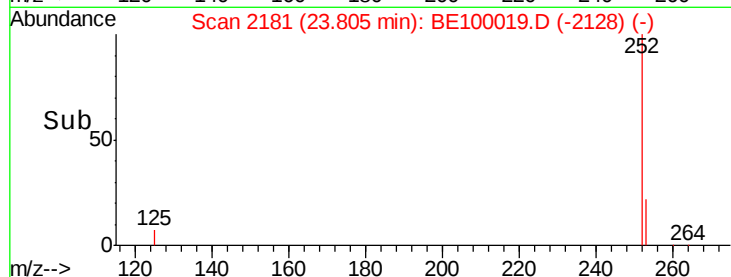
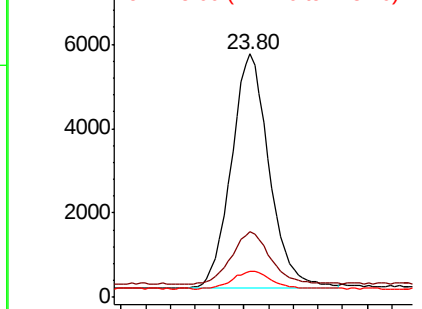


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.378 ng

RT: 26.62 min Scan# 2966

Delta R.T. -0.02 min

Lab File: BE100019.D

Acq: 14 Jun 2019 12:17

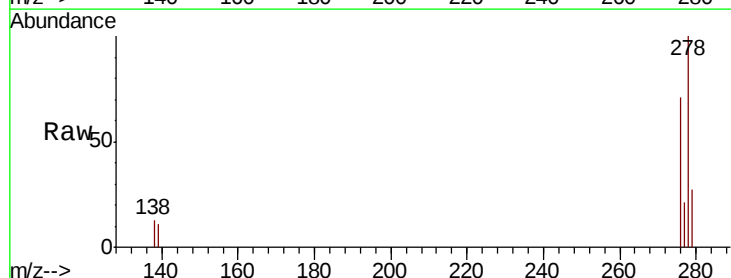
Tgt Ion:278 Resp: 11382

Ion Ratio Lower Upper

278 100

139 10.8 7.8 11.8

279 26.6 20.0 30.0

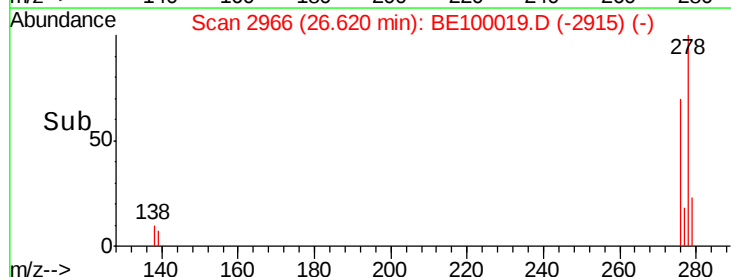
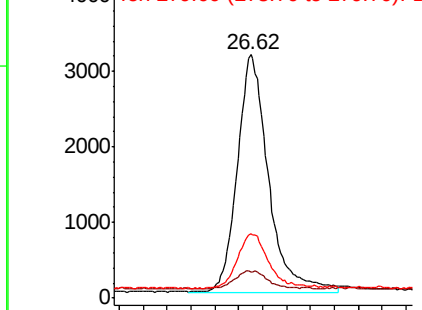


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.386 ng

RT: 27.42 min Scan# 3190

Delta R.T. -0.01 min

Lab File: BE100019.D

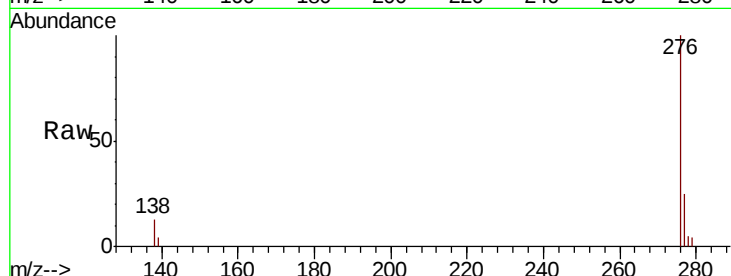
Acq: 14 Jun 2019 12:17

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS



Tgt Ion: 276 Resp: 12010

Ion Ratio Lower Upper

276 100

277 25.5 19.5 29.3

138 12.8 9.5 14.3

