

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE112118\  
 Data File : BE098257.D  
 Acq On : 21 Nov 2018 11:35  
 Operator : SJ/JU  
 Sample : J5996-05 10X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 AOC8-01R-A

Quant Time: Nov 22 00:01:10 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE111618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 16 19:05:33 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.87  | 152  | 1518     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.68 | 136  | 7143     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.54 | 164  | 4710     | 0.40 | ng    | 0.01     |
| 19) Phenanthrene-d10      | 17.28 | 188  | 10474    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.46 | 240  | 11583    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.01 | 264  | 11131    | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.46  | 112 | 140  | 0.03 | ng | 0.00 |
| 5) Phenol-d6                | 7.04  | 99  | 232  | 0.04 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.04  | 82  | 210  | 0.03 | ng | 0.03 |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152 | 412  | 0.03 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330 | 73   | 0.05 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.16 | 172 | 568  | 0.03 | ng | 0.01 |
| 25) Fluoranthene-d10        | 19.32 | 212 | 3667 | 0.03 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.91 | 244 | 914  | 0.03 | ng | 0.00 |

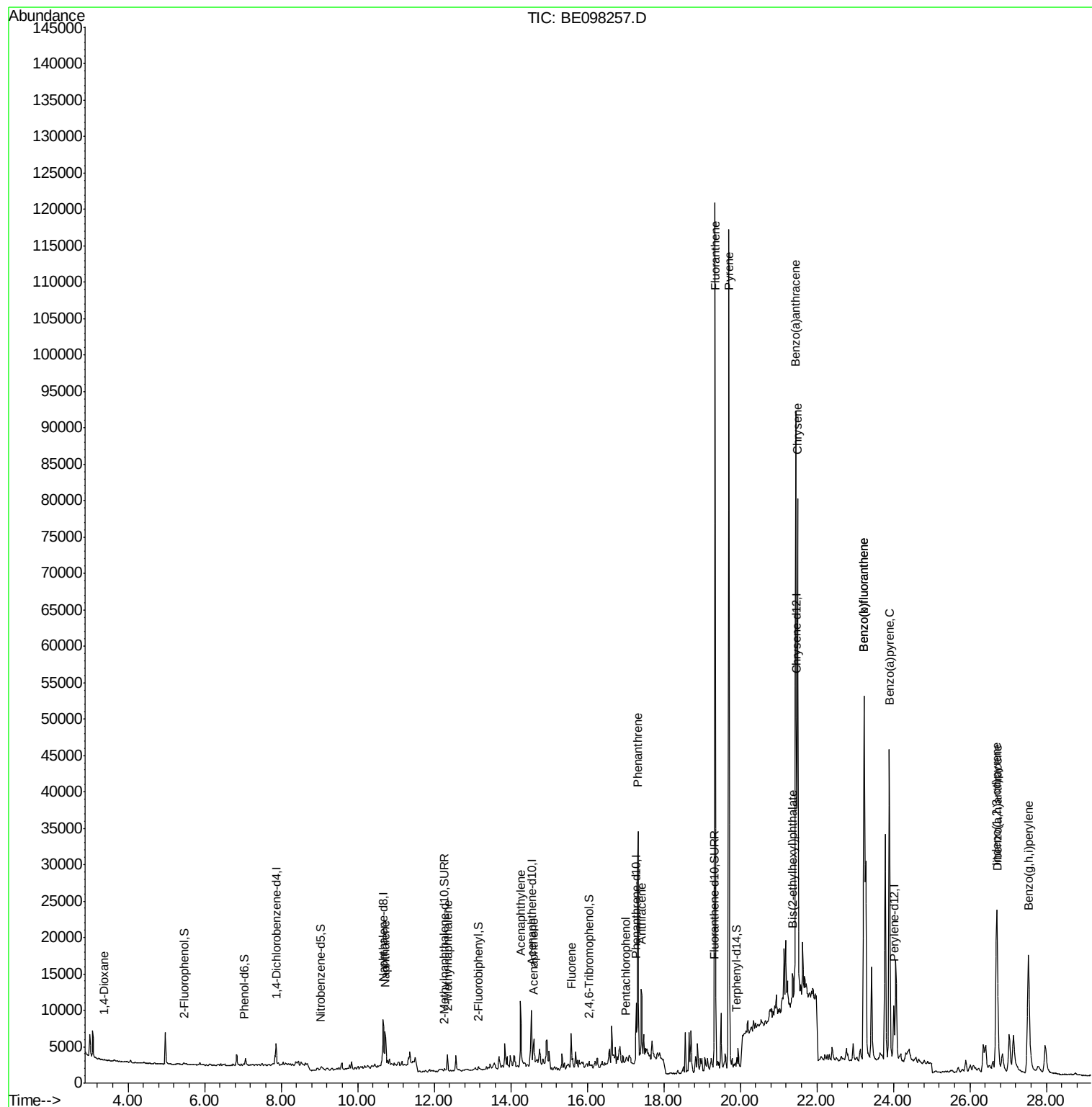
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.37  | 88  | 94     | 0.039  | ng | # 37 |
| 9) Naphthalene                 | 10.72 | 128 | 8931   | 0.123  | ng | # 97 |
| 12) 2-Methylnaphthalene        | 12.35 | 142 | 1858   | 0.145  | ng | 92   |
| 16) Acenaphthylene             | 14.25 | 152 | 12838  | 0.573  | ng | 96   |
| 17) Acenaphthene               | 14.60 | 154 | 1559   | 0.116  | ng | 97   |
| 18) Fluorene                   | 15.58 | 166 | 3629   | 0.213  | ng | # 92 |
| 22) Pentachlorophenol          | 17.00 | 266 | 12     | 0.109  | ng | # 70 |
| 23) Phenanthrene               | 17.33 | 178 | 35103  | 1.303  | ng | 99   |
| 24) Anthracene                 | 17.41 | 178 | 11881  | 0.485  | ng | 98   |
| 26) Fluoranthene               | 19.34 | 202 | 111159 | 3.437  | ng | 99   |
| 28) Pyrene                     | 19.70 | 202 | 109421 | 3.232  | ng | 97   |
| 30) Benzo(a)anthracene         | 21.45 | 228 | 76671  | 2.288  | ng | 95   |
| 31) Chrysene                   | 21.50 | 228 | 67549  | 1.959  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.37 | 149 | 5246   | 0.100  | ng | # 95 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.70 | 276 | 46284  | 1.568  | ng | # 93 |
| 35) Benzo(b)fluoranthene       | 23.23 | 252 | 95533  | 3.039  | ng | 98   |
| 36) Benzo(k)fluoranthene       | 23.23 | 252 | 95533  | 2.691  | ng | # 95 |
| 37) Benzo(a)pyrene             | 23.89 | 252 | 69854  | 2.263  | ng | # 98 |
| 38) Dibenzo(a,h)anthracene     | 26.72 | 278 | 11400  | 0.461  | ng | # 91 |
| 39) Benzo(g,h,i)perylene       | 27.53 | 276 | 45751  | 1.717  | ng | 98   |

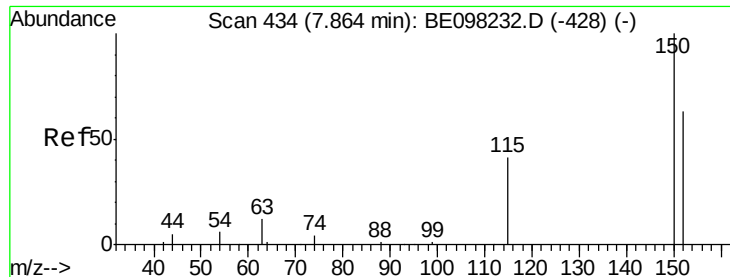
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 16 19:05:33 2018  
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.87 min Scan# 435

Delta R.T. 0.01 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

Instrument :

BNA\_E

ClientSampleId :

AOC8-01R-A

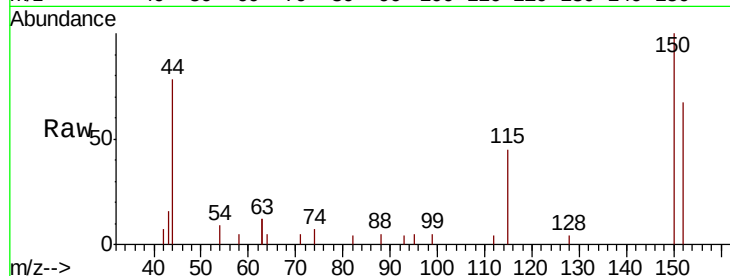
Tgt Ion: 152 Resp: 1518

Ion Ratio Lower Upper

152 100

150 150.2 127.5 191.3

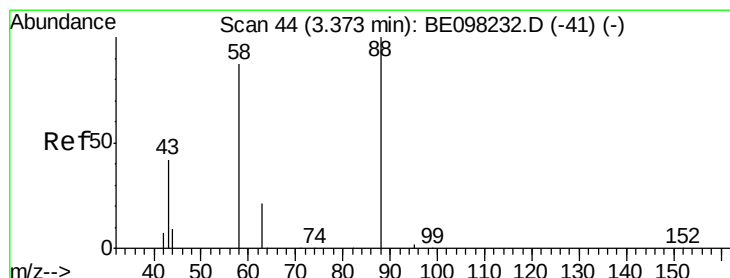
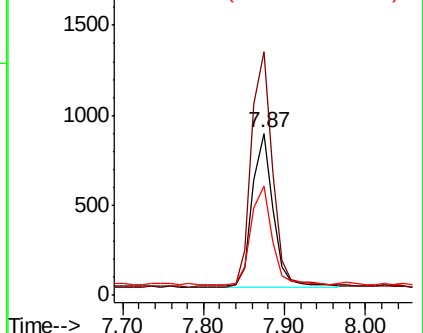
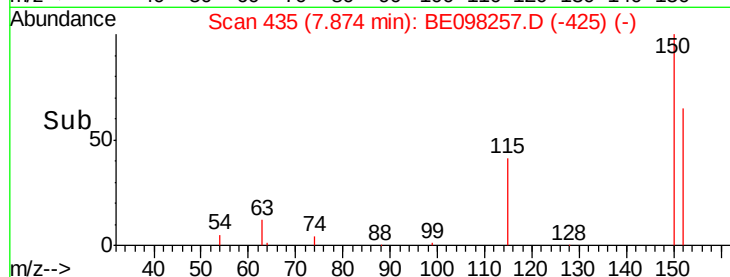
115 67.0 60.3 90.5



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: 0.039 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

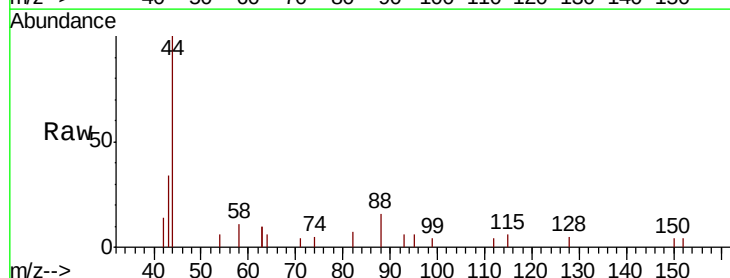
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

58 40.4 79.0 118.4#

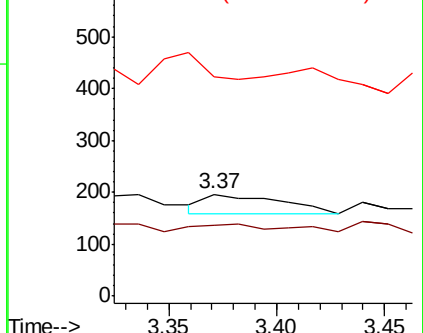
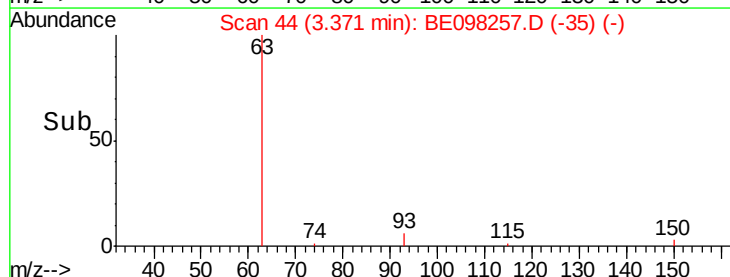
43 0.0 38.1 57.1#

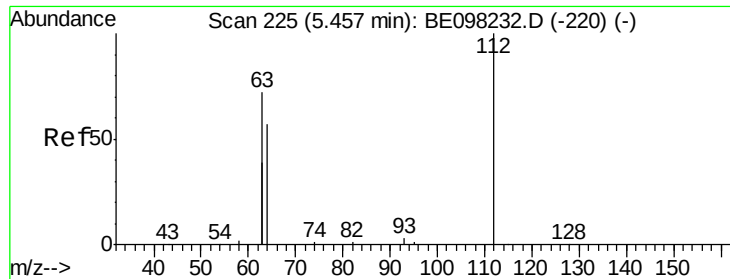


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.034 ng

RT: 5.46 min Scan# 225

Delta R.T. -0.00 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

Instrument :

BNA\_E

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AOC8-01R-A

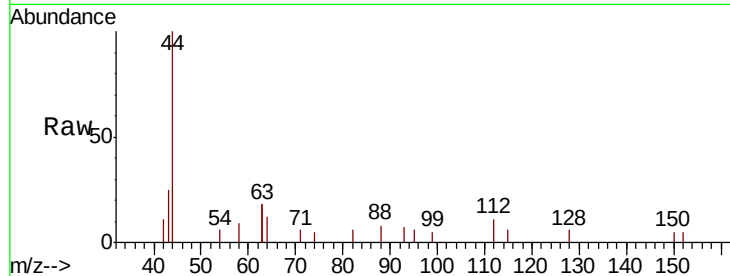
Tgt Ion: 112 Resp: 140

Ion Ratio Lower Upper

112 100

64 88.6 61.7 92.5

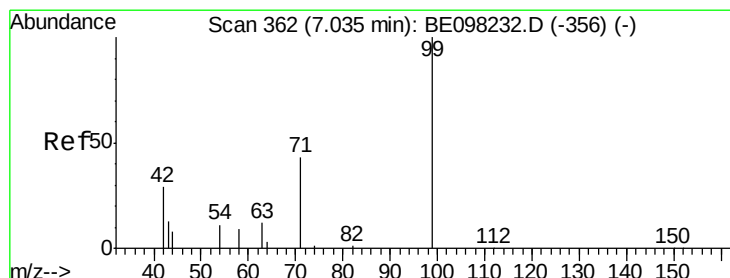
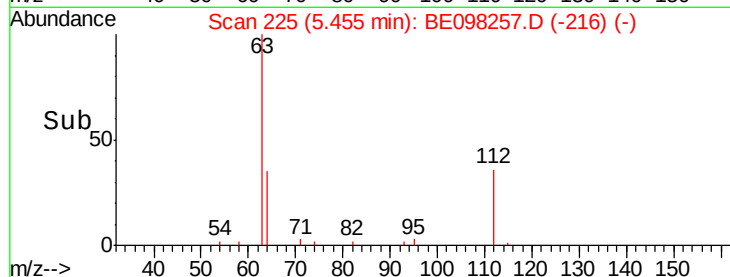
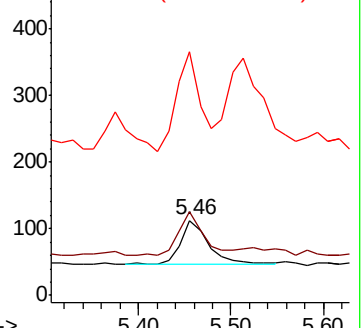
63 191.4 136.2 204.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.036 ng

RT: 7.04 min Scan# 363

Delta R.T. 0.01 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

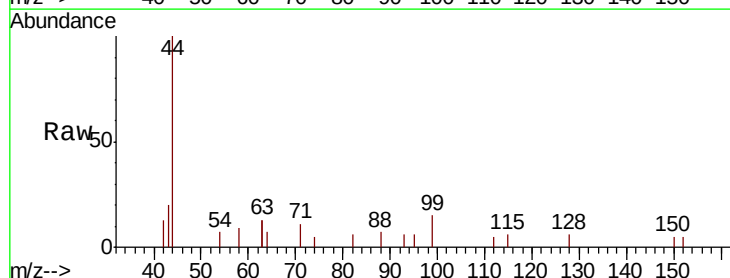
Tgt Ion: 99 Resp: 232

Ion Ratio Lower Upper

99 100

42 0.0 27.1 40.7#

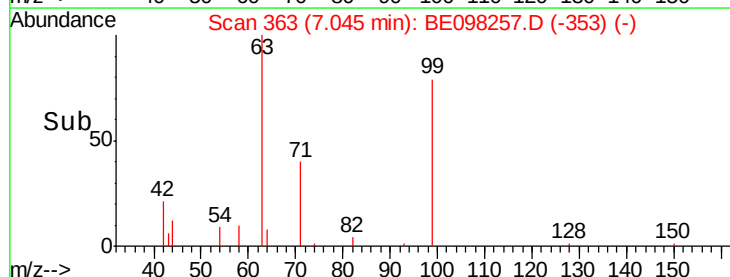
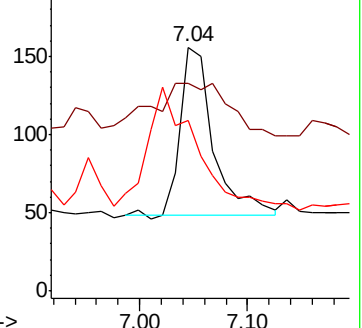
71 0.0 37.0 55.6#

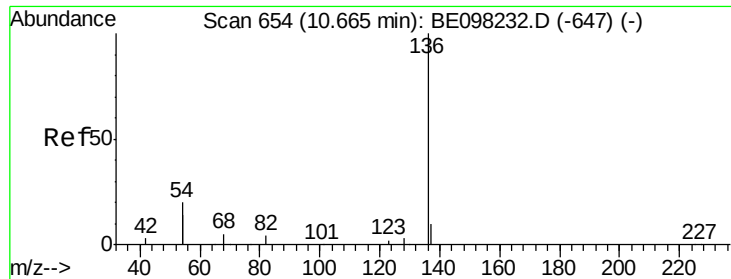


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.01 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

Instrument :

BNA\_E

ClientSampleId :

AOC8-01R-A

Tgt Ion: 136 Resp: 7143

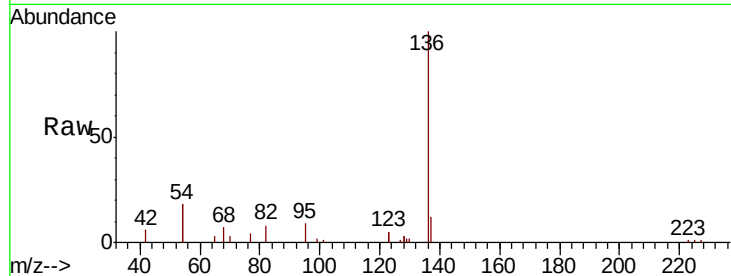
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 36.7 31.3 46.9

68 7.4 4.8 7.2#

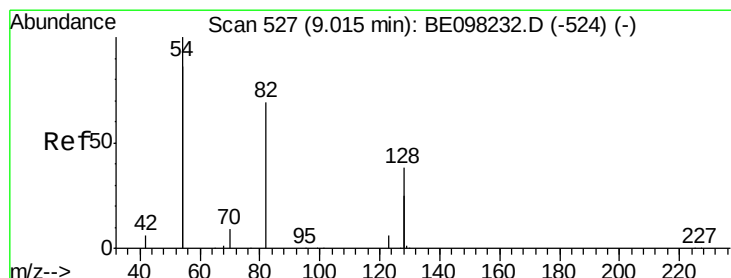
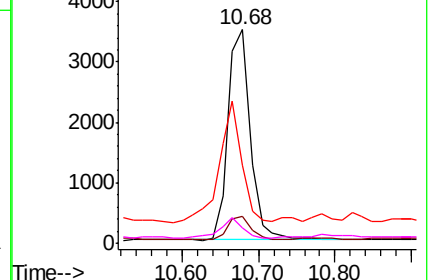
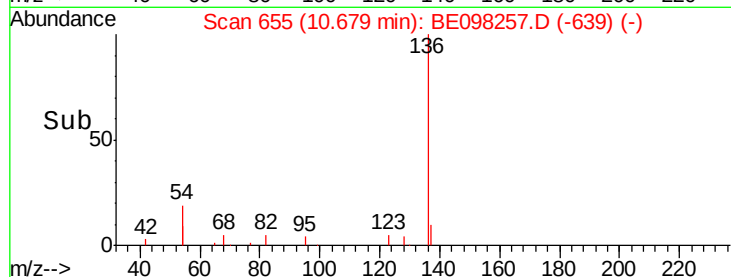


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.031 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.03 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

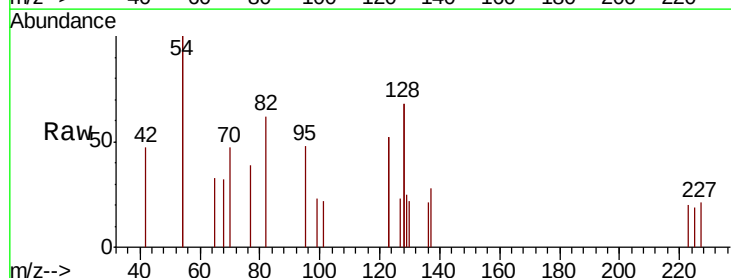
Tgt Ion: 82 Resp: 210

Ion Ratio Lower Upper

82 100

128 218.4 96.1 144.1#

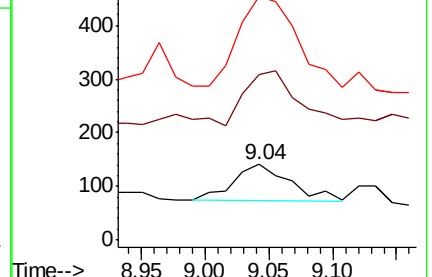
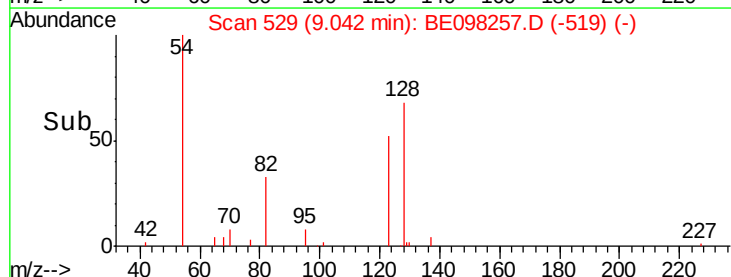
54 322.0 232.0 348.0

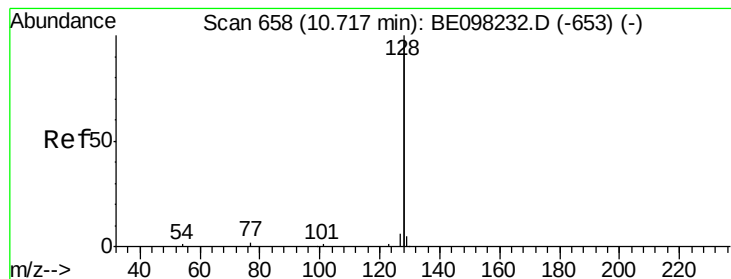


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.123 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

Instrument :

BNA\_E

ClientSampleId :

AOC8-01R-A

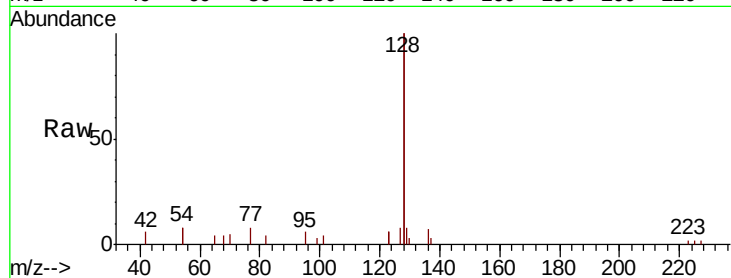
Tgt Ion:128 Resp: 8931

Ion Ratio Lower Upper

128 100

129 4.2 2.6 4.0#

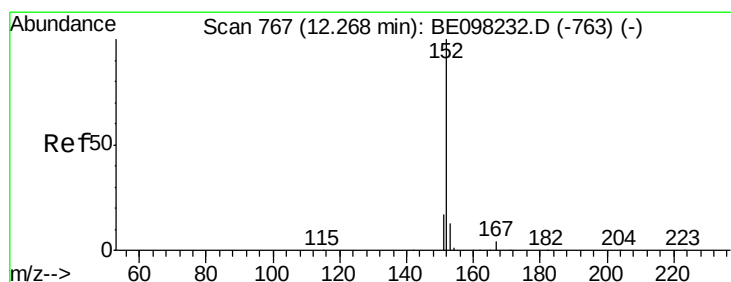
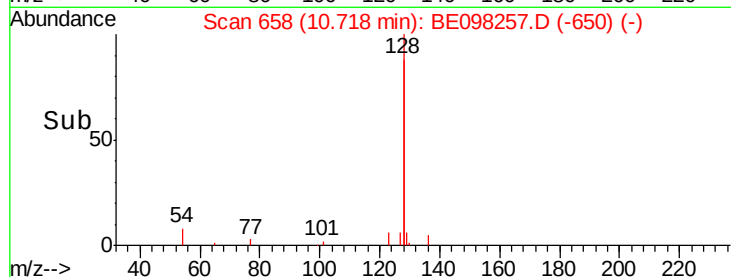
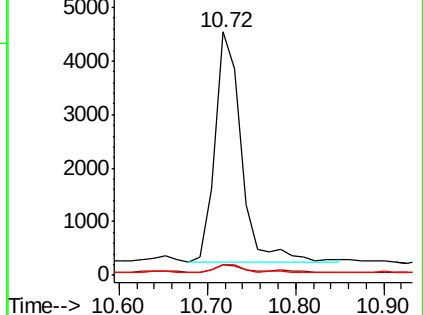
127 4.2 2.8 4.2#



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: 0.033 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098257.D

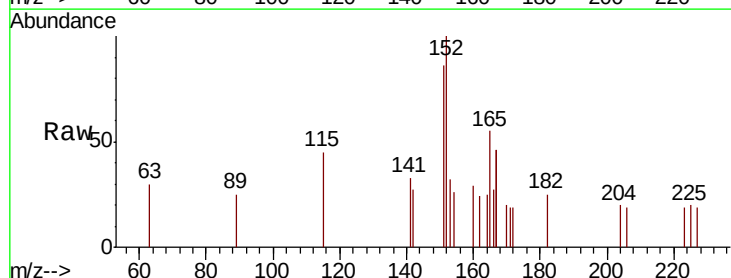
Acq: 21 Nov 2018 11:35

Tgt Ion:152 Resp: 412

Ion Ratio Lower Upper

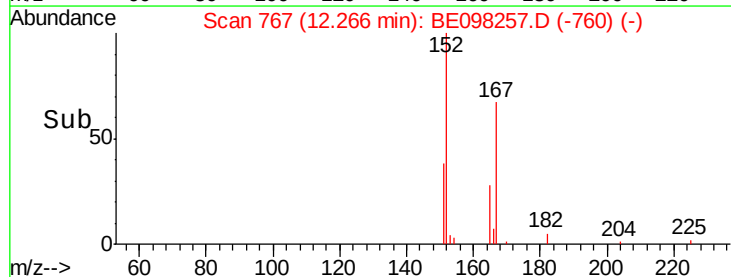
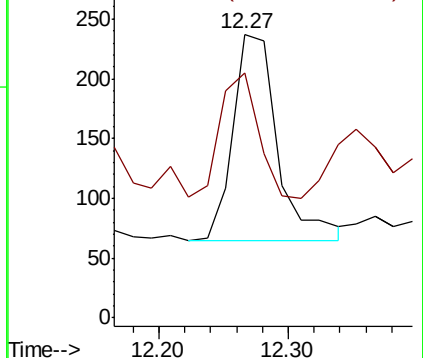
152 100

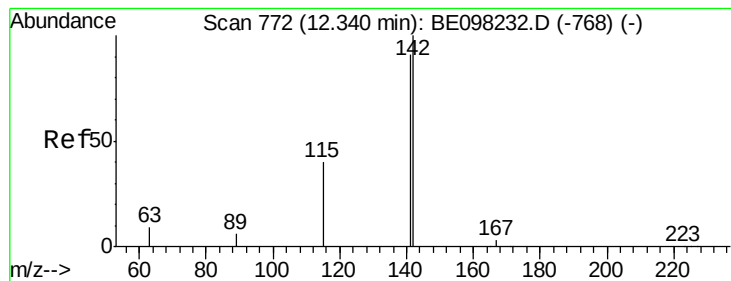
151 51.5 15.4 23.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.145 ng

RT: 12.35 min Scan# 773

Delta R.T. 0.01 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

Instrument :

BNA\_E

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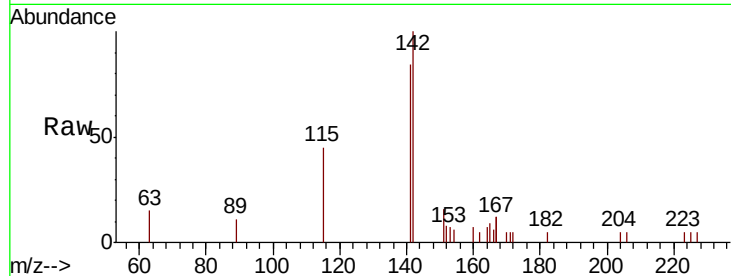
Tgt Ion:142 Resp: 1858

Ion Ratio Lower Upper

142 100

141 83.7 76.3 114.5

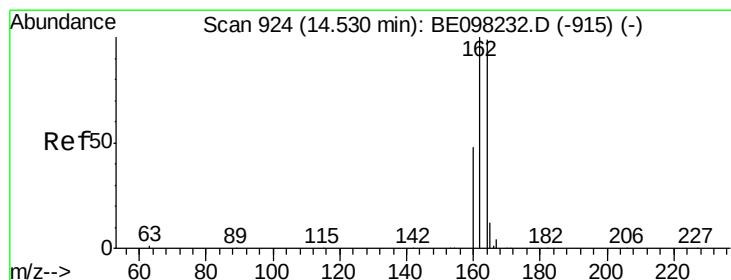
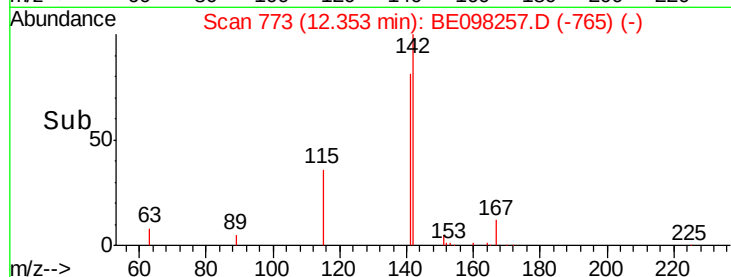
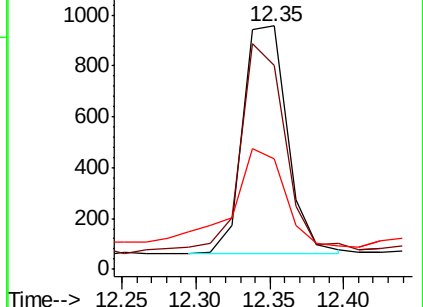
115 45.2 35.8 53.8



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: 14.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

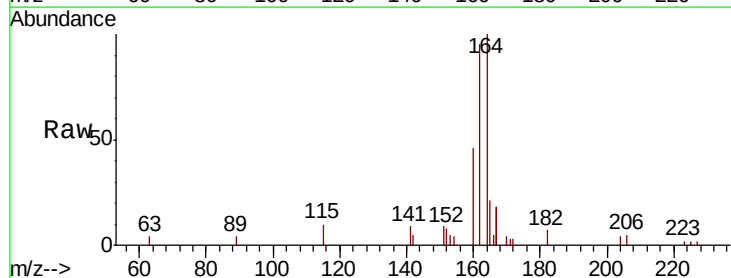
Tgt Ion:164 Resp: 4710

Ion Ratio Lower Upper

164 100

162 94.9 81.8 122.6

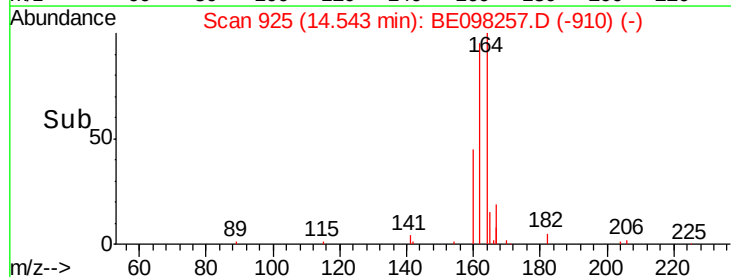
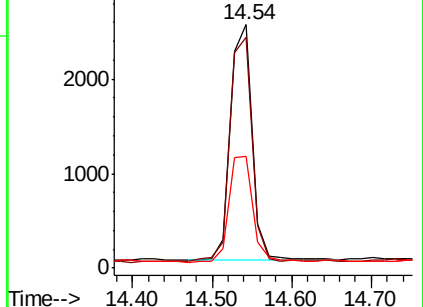
160 45.9 39.4 59.0

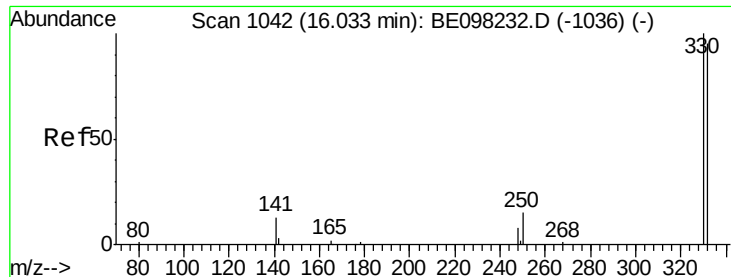


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.048 ng

RT: 16.03 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

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AOC8-01R-A

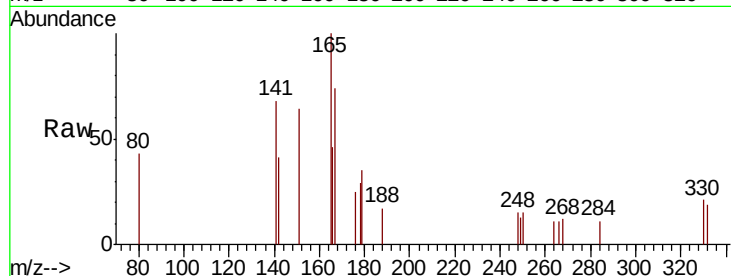
Tgt Ion:330 Resp: 73

Ion Ratio Lower Upper

330 100

332 84.9 77.7 116.5

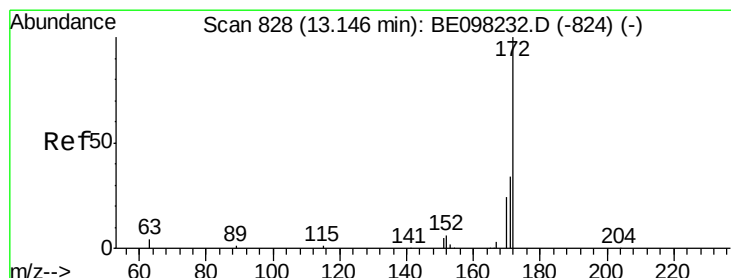
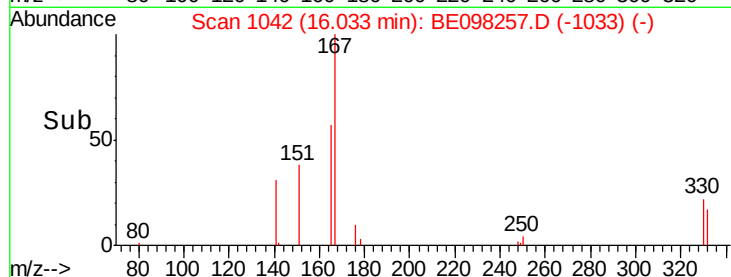
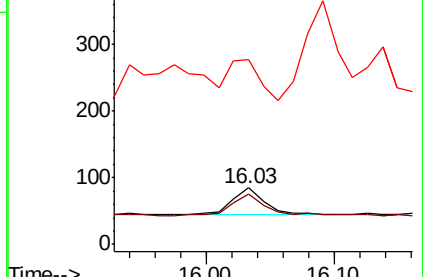
141 138.4 33.6 50.4#



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: 0.028 ng

RT: 13.16 min Scan# 829

Delta R.T. 0.01 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

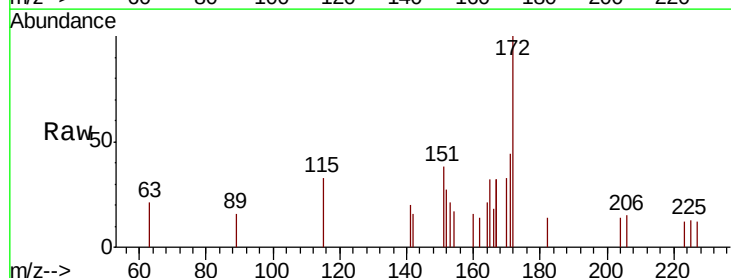
Tgt Ion:172 Resp: 568

Ion Ratio Lower Upper

172 100

171 43.6 27.3 40.9#

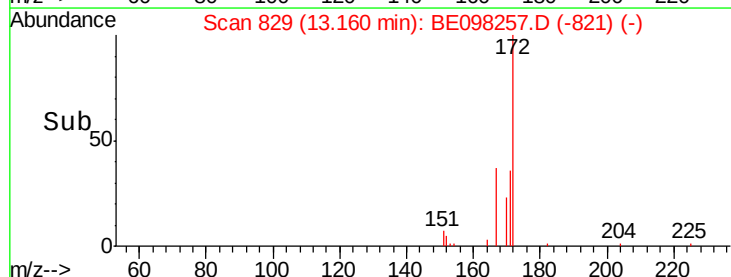
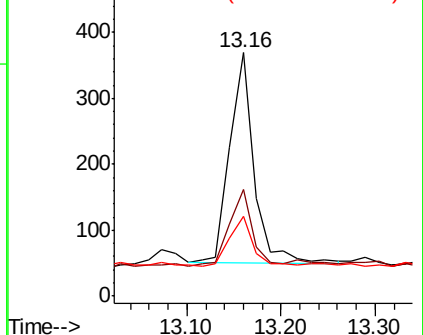
170 32.8 19.4 29.0#



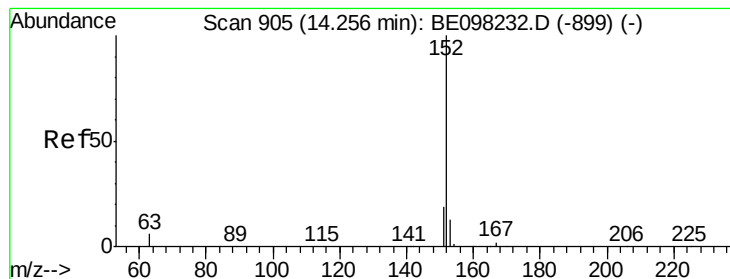
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E







#16

Acenaphthylene

Concen: 0.573 ng

RT: 14.25 min Scan# 905

Delta R.T. -0.00 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

Instrument :

BNA\_E

ClientSampleId :

AOC8-01R-A

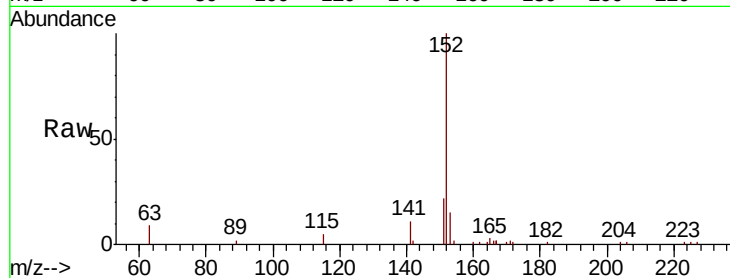
Tgt Ion:152 Resp: 12838

Ion Ratio Lower Upper

152 100

151 23.0 16.4 24.6

153 14.0 10.6 15.8

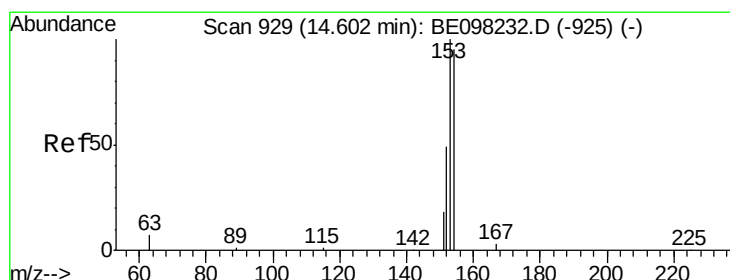
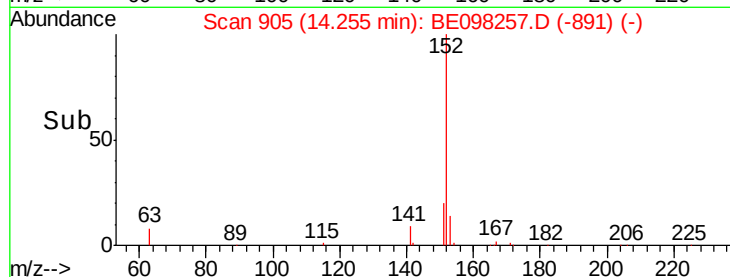
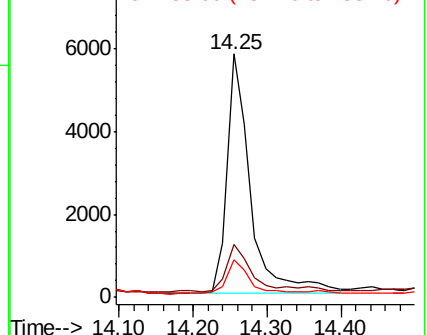


Abundance

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: 0.116 ng

RT: 14.60 min Scan# 929

Delta R.T. -0.00 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

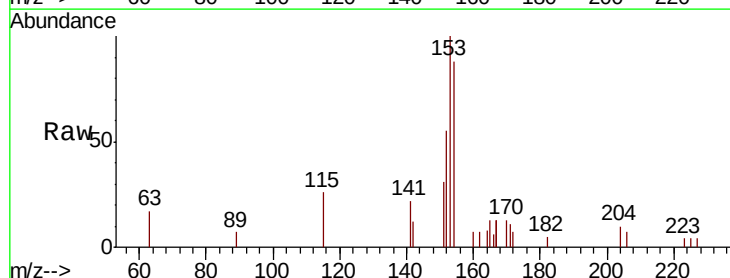
Tgt Ion:154 Resp: 1559

Ion Ratio Lower Upper

154 100

153 118.0 92.1 138.1

152 60.1 46.2 69.2

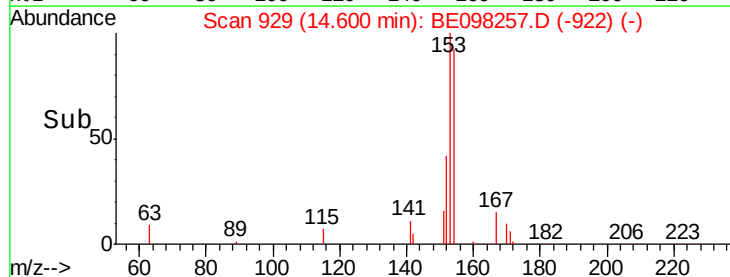
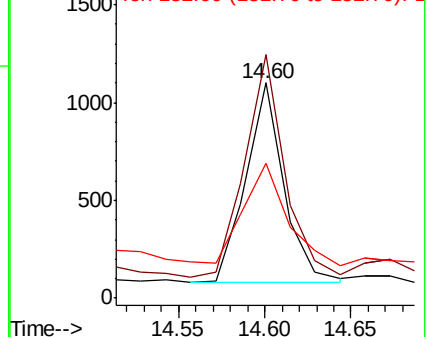


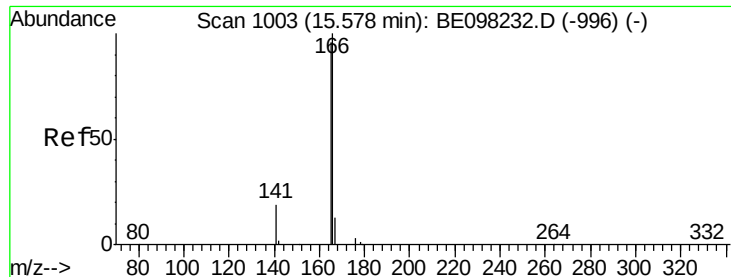
Abundance

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: 0.213 ng

RT: 15.58 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

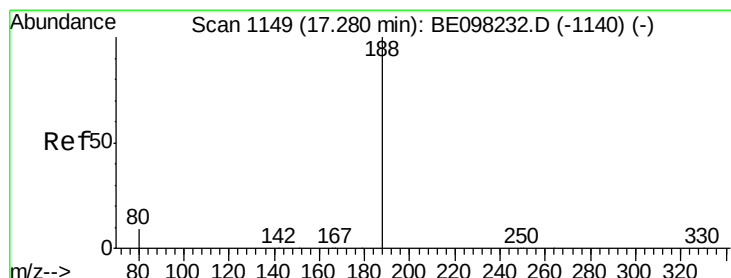
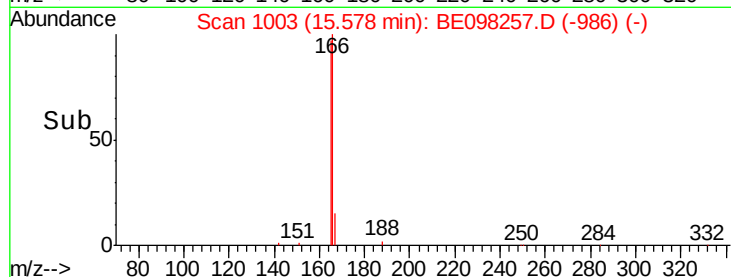
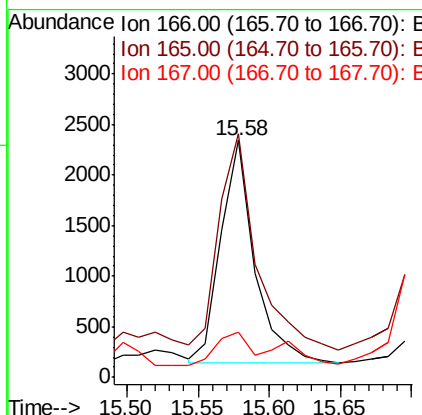
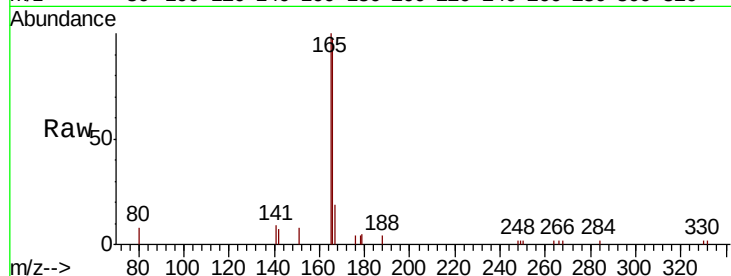
Instrument :

BNA\_E

ClientSampleId :

AOC8-01R-A

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 3629       |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 107.6 | 80.1 120.1 |
| 167         | 17.4  | 10.8 16.2# |



#19

Phenanthrene-d10

Concen: 0.400 ng

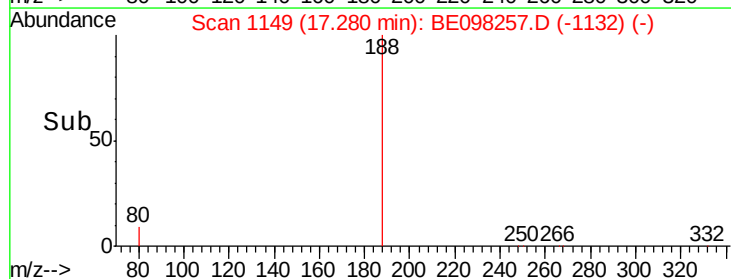
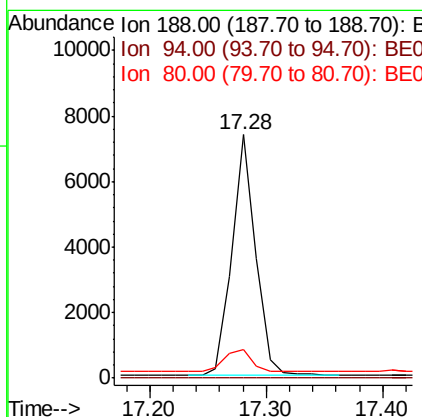
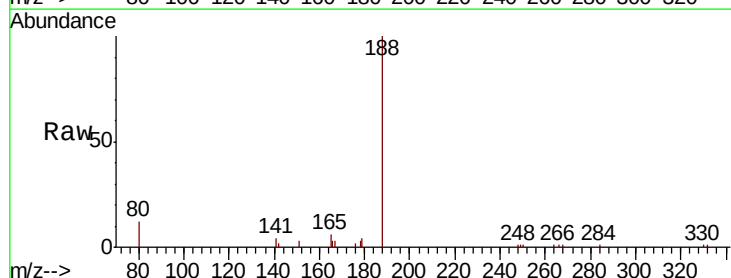
RT: 17.28 min Scan# 1149

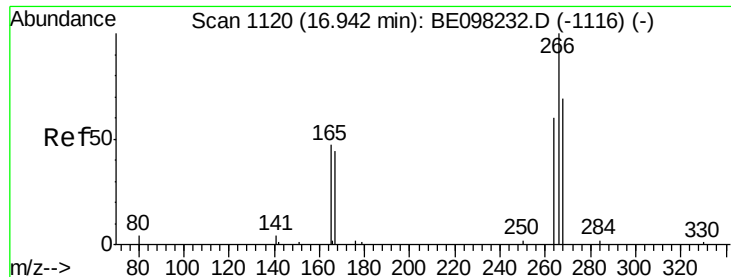
Delta R.T. 0.00 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:188 | Resp: | 10474     |
| Ion Ratio   | Lower | Upper     |
| 188         | 100   |           |
| 94          | 0.0   | 0.0 0.0   |
| 80          | 11.9  | 6.7 10.1# |





#22

Pentachlorophenol

Concen: 0.109 ng

RT: 17.00 min Scan# 1125

Delta R.T. 0.06 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

Instrument :

BNA\_E

ClientSampleId :

AOC8-01R-A

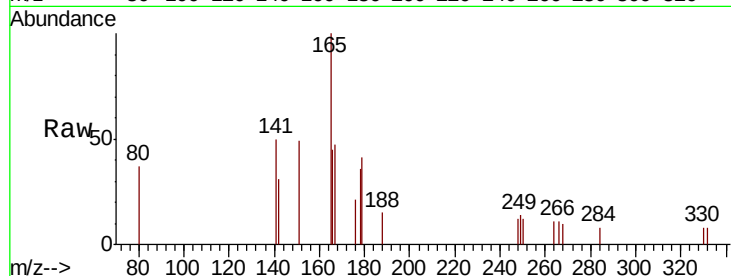
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

264 105.0 57.6 86.4#

268 88.3 56.8 85.2#

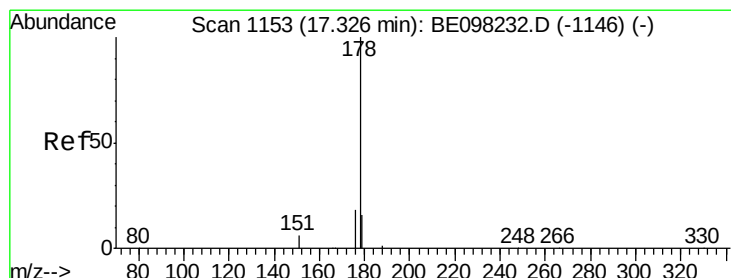
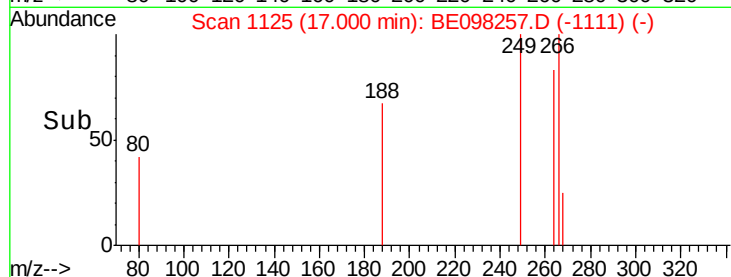
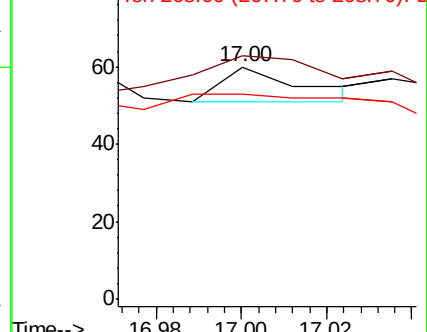


Abundance

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: 1.303 ng

RT: 17.33 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

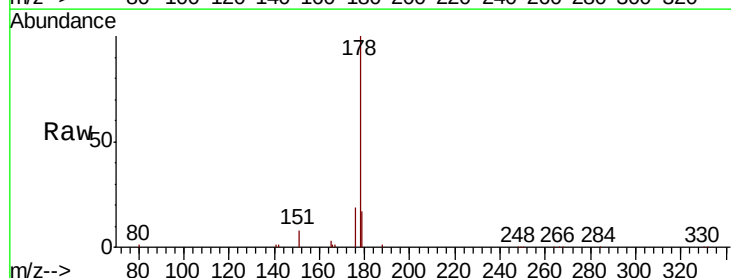
Tgt Ion:178 Resp: 35103

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

179 15.8 12.3 18.5

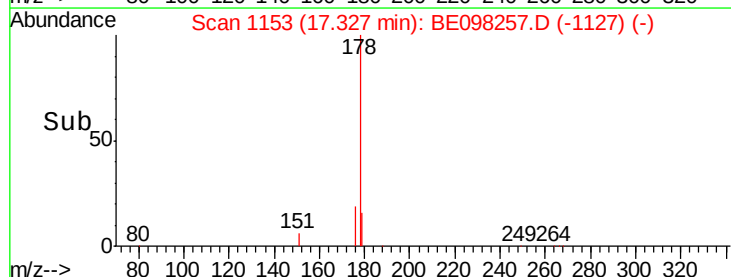
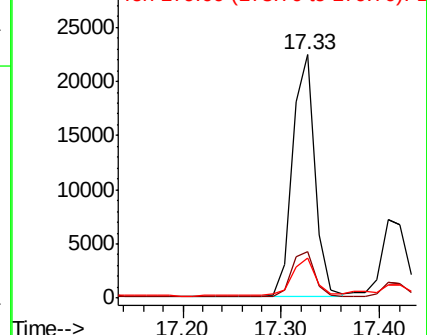


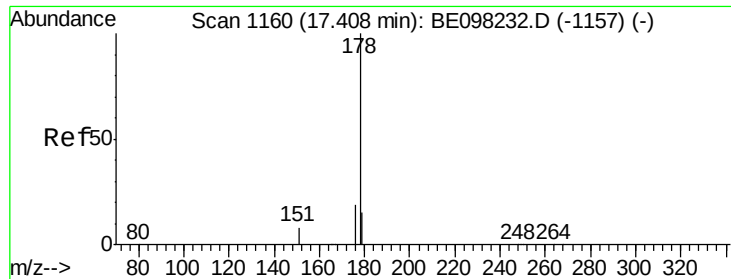
Abundance

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





#24

Anthracene

Concen: 0.485 ng

RT: 17.41 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

Instrument :

BNA\_E

ClientSampleId :

AOC8-01R-A

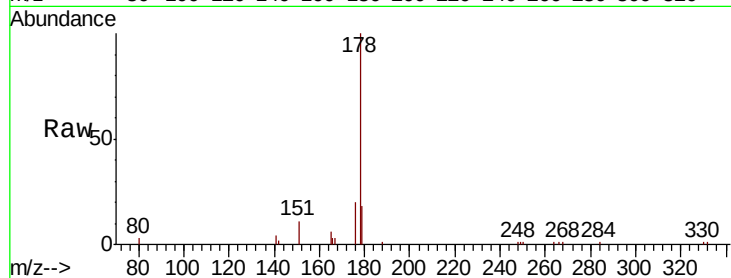
Tgt Ion:178 Resp: 11881

Ion Ratio Lower Upper

178 100

176 18.1 15.7 23.5

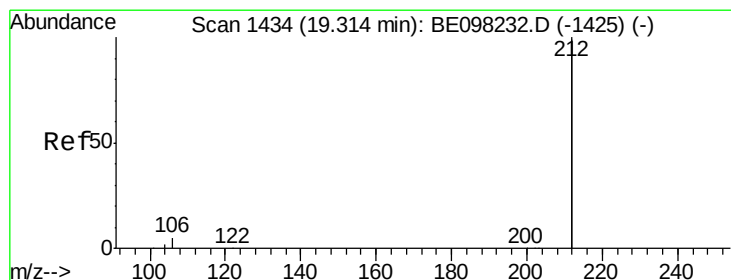
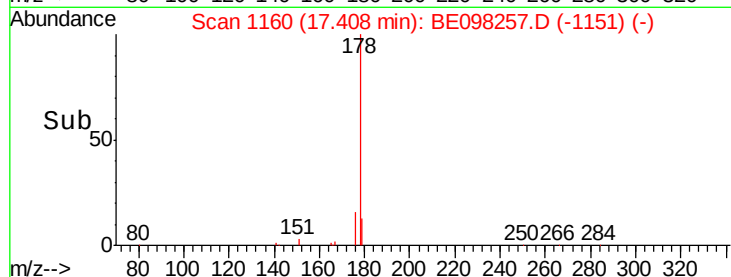
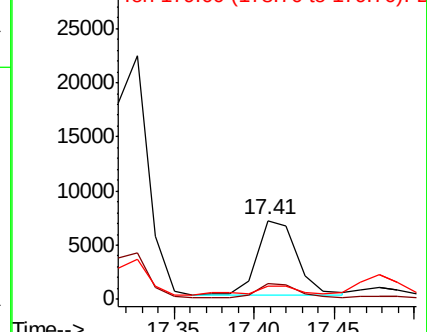
179 15.2 12.1 18.1



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: 0.029 ng

RT: 19.32 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

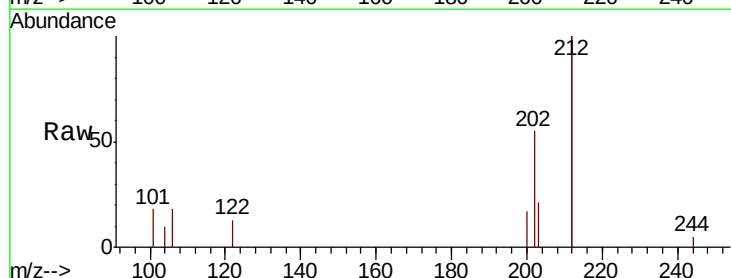
Tgt Ion:212 Resp: 3667

Ion Ratio Lower Upper

212 100

106 4.4 1.8 2.8#

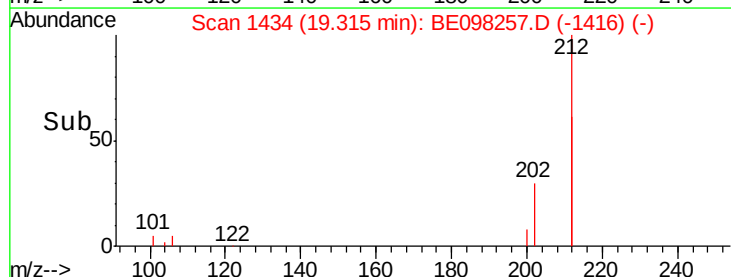
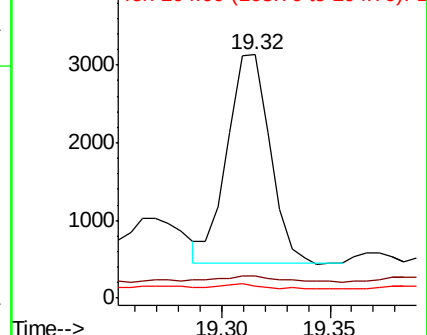
104 2.1 1.1 1.7#

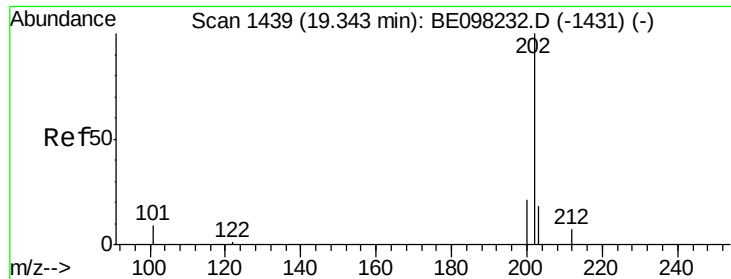


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

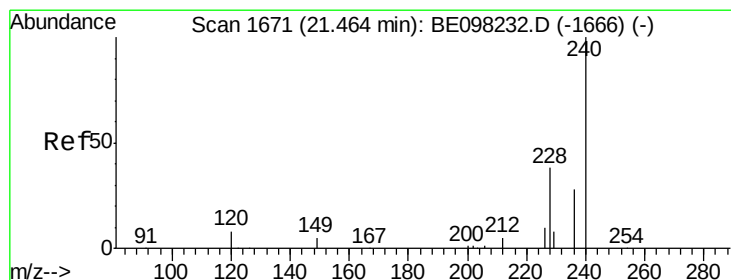
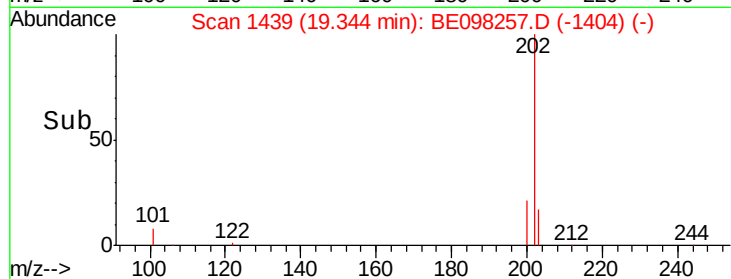
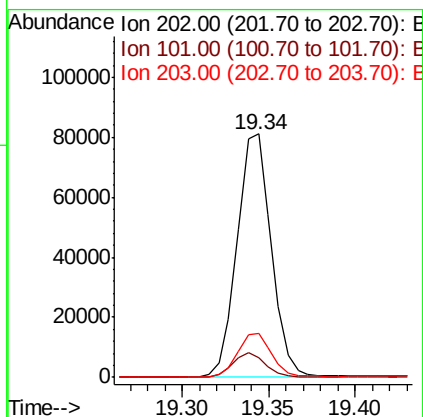
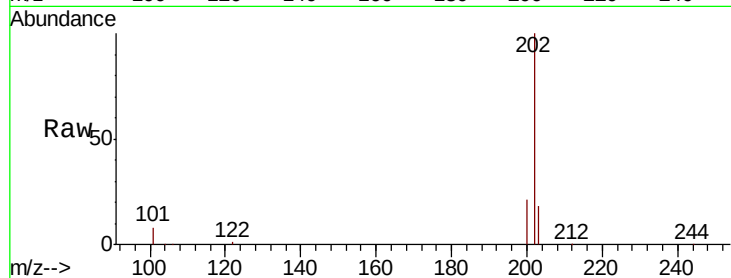




#26  
 Fluoranthene  
 Concen: 3.437 ng  
 RT: 19.34 min Scan# 1439  
 Delta R.T. 0.00 min  
 Lab File: BE098257.D  
 Acq: 21 Nov 2018 11:35

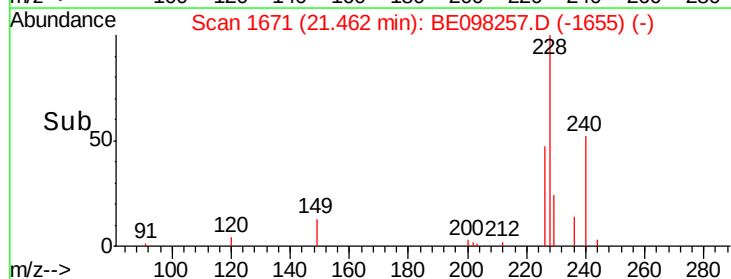
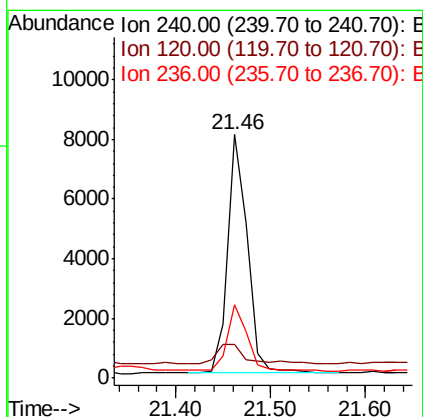
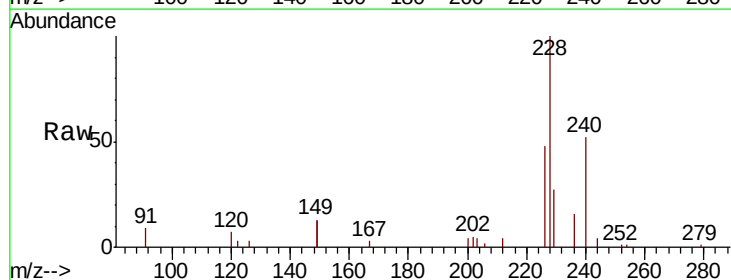
Instrument :  
 BNA\_E  
 ClientSampleId :  
 AOC8-01R-A

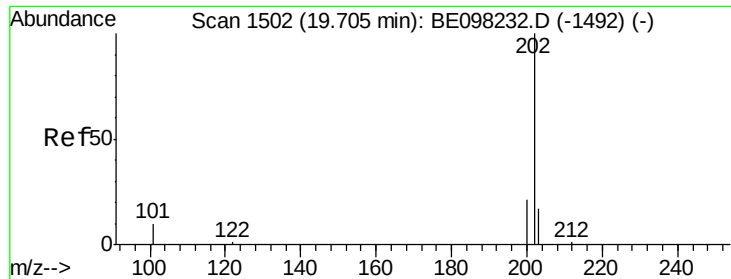
Tgt Ion: 202 Resp: 111159  
 Ion Ratio Lower Upper  
 202 100  
 101 9.6 7.0 10.6  
 203 17.5 13.7 20.5



#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.46 min Scan# 1671  
 Delta R.T. -0.00 min  
 Lab File: BE098257.D  
 Acq: 21 Nov 2018 11:35

Tgt Ion: 240 Resp: 11583  
 Ion Ratio Lower Upper  
 240 100  
 120 13.9 4.8 7.2#  
 236 29.9 21.4 32.0

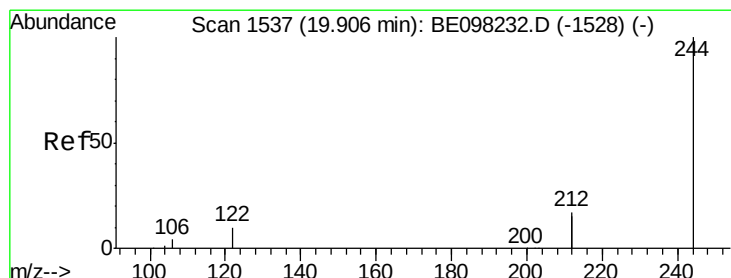
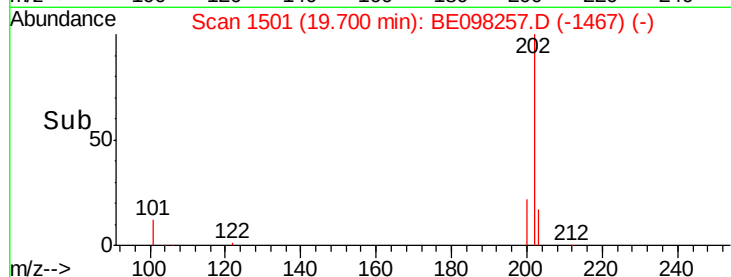
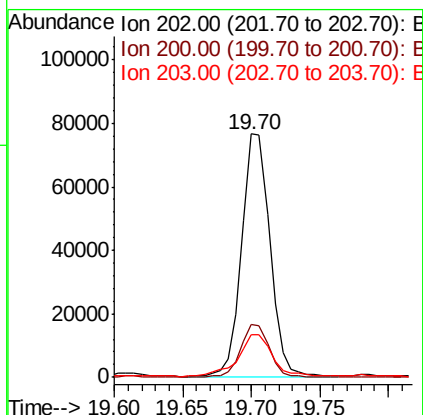
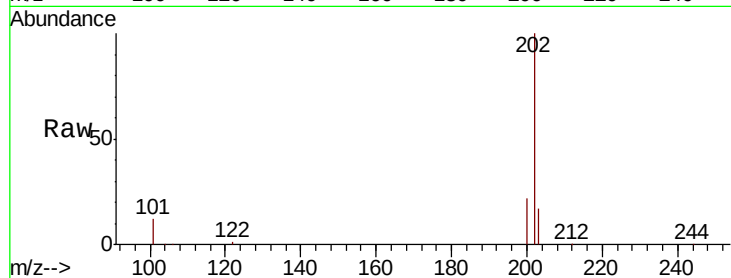




#28  
 Pyrene  
 Concen: 3.232 ng  
 RT: 19.70 min Scan# 1501  
 Delta R.T. -0.00 min  
 Lab File: BE098257.D  
 Acq: 21 Nov 2018 11:35

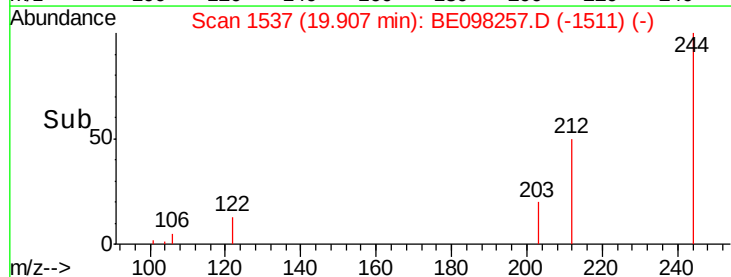
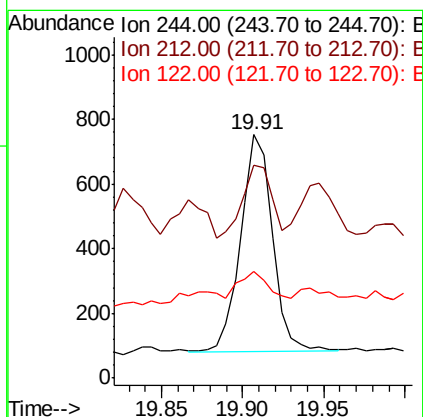
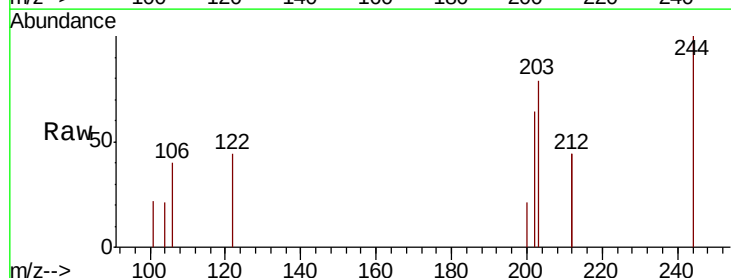
Instrument :  
 BNA\_E  
 ClientSampleId :  
 AOC8-01R-A

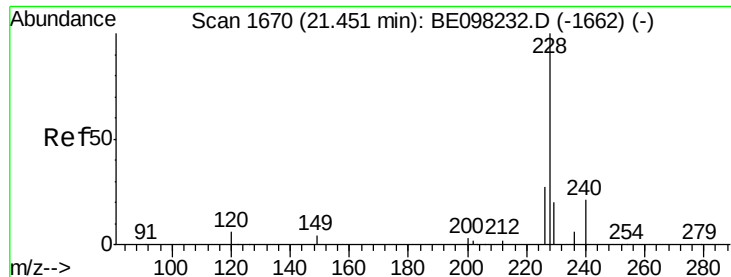
Tgt Ion: 202 Resp: 109421  
 Ion Ratio Lower Upper  
 202 100  
 200 21.4 17.2 25.8  
 203 20.5 14.2 21.4



#29  
 Terphenyl-d14  
 Concen: 0.034 ng  
 RT: 19.91 min Scan# 1537  
 Delta R.T. 0.00 min  
 Lab File: BE098257.D  
 Acq: 21 Nov 2018 11:35

Tgt Ion: 244 Resp: 914  
 Ion Ratio Lower Upper  
 244 100  
 212 87.4 26.8 40.2#  
 122 43.7 7.0 10.6#





#30

Benzo(a)anthracene

Concen: 2.288 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

Instrument :

BNA\_E

ClientSampleId :

AOC8-01R-A

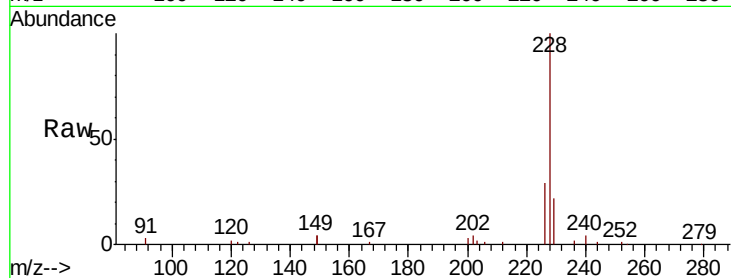
Tgt Ion:228 Resp: 76671

Ion Ratio Lower Upper

228 100

226 29.3 20.7 31.1

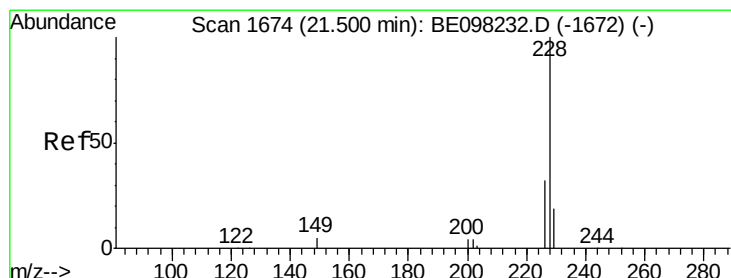
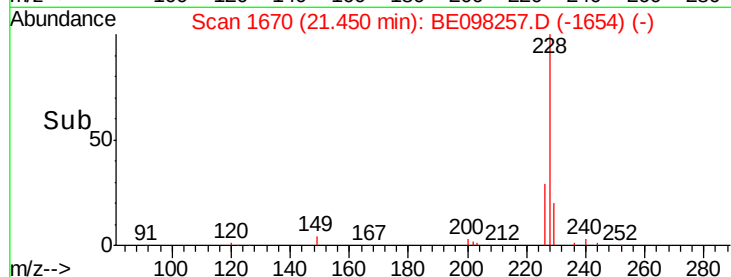
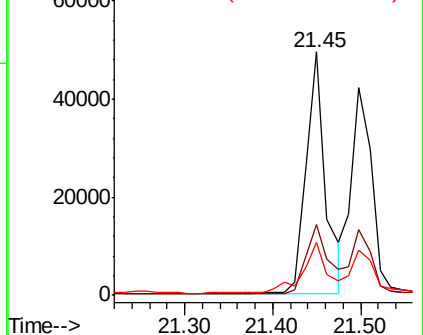
229 21.7 16.2 24.4



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: 1.959 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

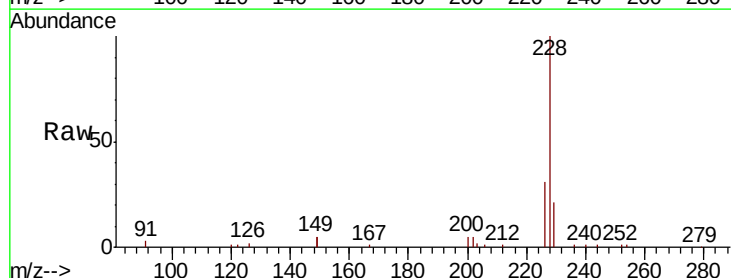
Tgt Ion:228 Resp: 67549

Ion Ratio Lower Upper

228 100

226 31.4 24.6 36.8

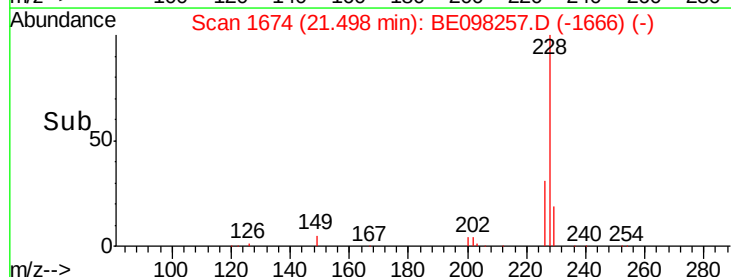
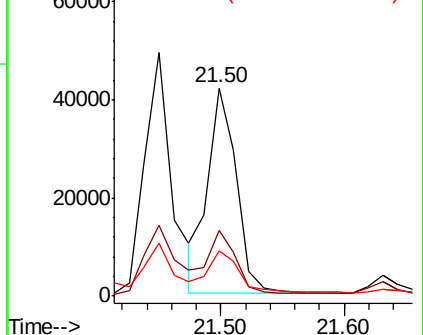
229 21.5 16.0 24.0

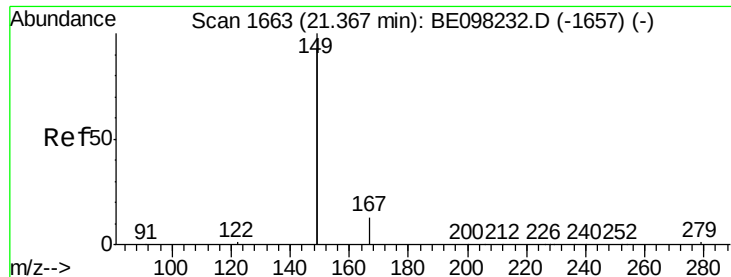


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

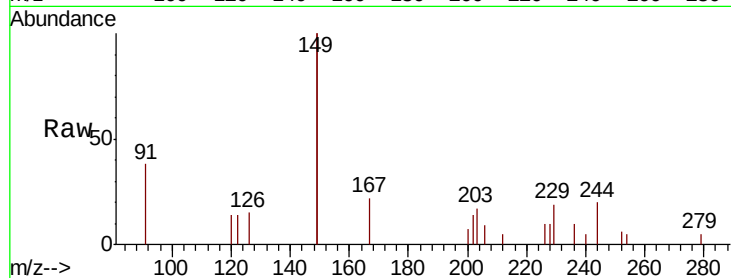




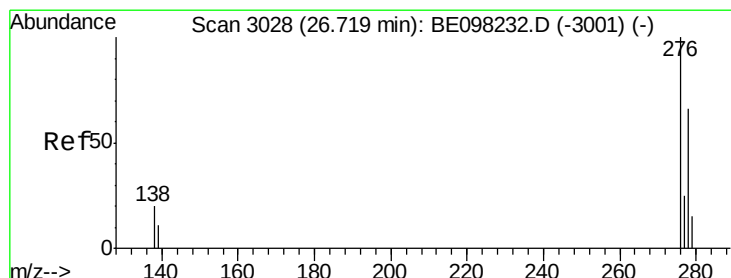
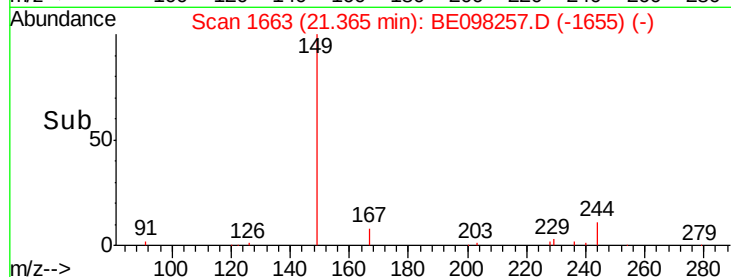
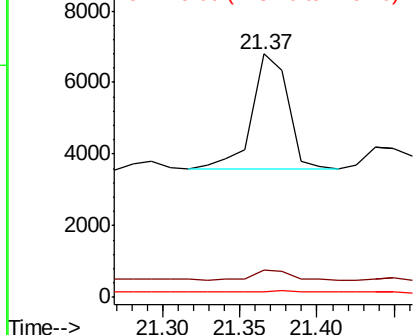
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.100 ng  
 RT: 21.37 min Scan# 1663  
 Delta R.T. -0.00 min  
 Lab File: BE098257.D  
 Acq: 21 Nov 2018 11:35

Instrument :  
 BNA\_E  
 ClientSampleId :  
 AOC8-01R-A

Tgt Ion:149 Resp: 5246  
 Ion Ratio Lower Upper  
 149 100  
 167 8.9 5.6 8.4#  
 279 2.3 0.9 1.3#

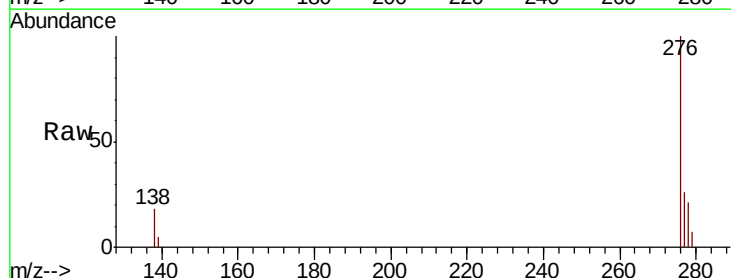


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

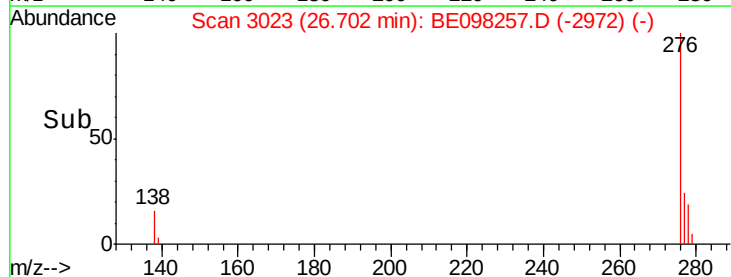
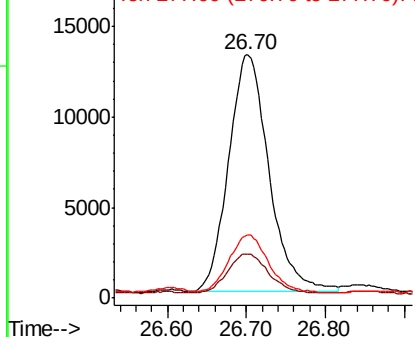


#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.568 ng  
 RT: 26.70 min Scan# 3023  
 Delta R.T. -0.02 min  
 Lab File: BE098257.D  
 Acq: 21 Nov 2018 11:35

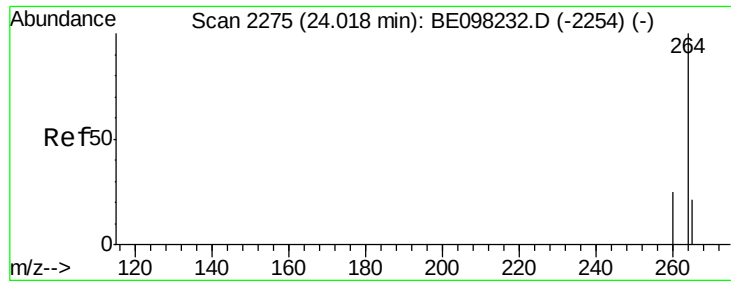
Tgt Ion:276 Resp: 46284  
 Ion Ratio Lower Upper  
 276 100  
 138 16.8 6.4 9.6#  
 277 23.8 18.9 28.3



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



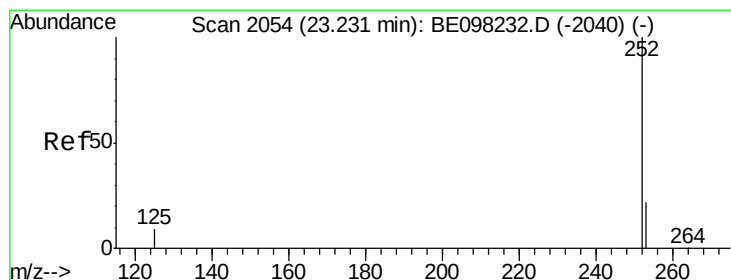
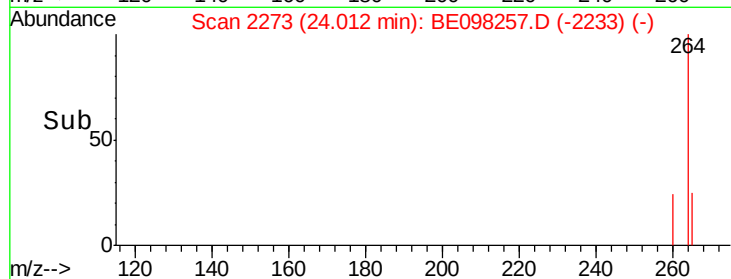
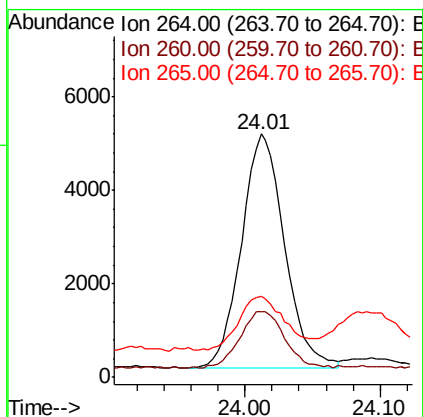
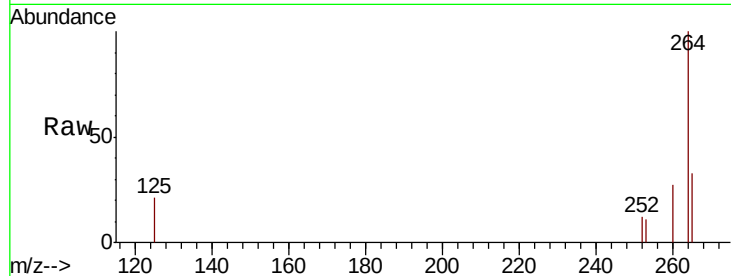




#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.01 min Scan# 2273  
 Delta R.T. -0.01 min  
 Lab File: BE098257.D  
 Acq: 21 Nov 2018 11:35

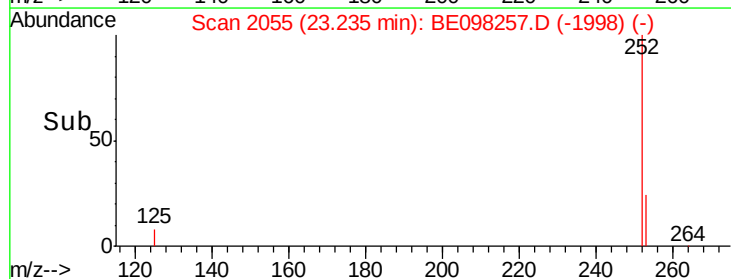
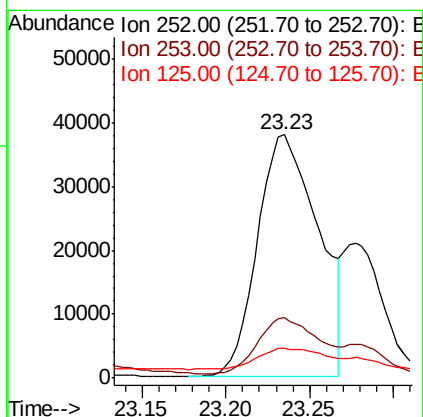
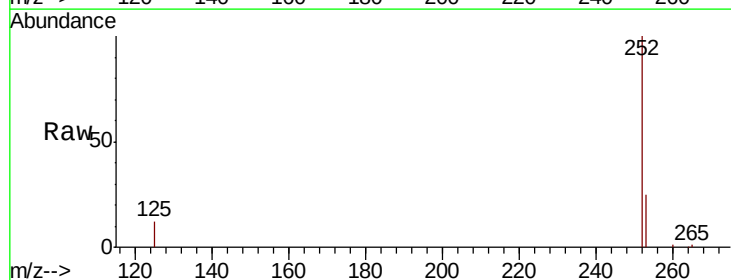
Instrument :  
 BNA\_E  
 ClientSampleId :  
 AOC8-01R-A

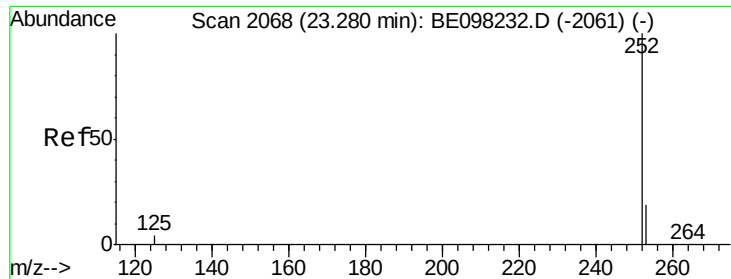
Tgt Ion: 264 Resp: 11131  
 Ion Ratio Lower Upper  
 264 100  
 260 27.1 19.9 29.9  
 265 33.2 21.3 31.9#



#35  
 Benzo(b)fluoranthene  
 Concen: 3.039 ng  
 RT: 23.23 min Scan# 2055  
 Delta R.T. 0.00 min  
 Lab File: BE098257.D  
 Acq: 21 Nov 2018 11:35

Tgt Ion: 252 Resp: 95533  
 Ion Ratio Lower Upper  
 252 100  
 253 24.8 19.4 29.0  
 125 12.3 8.6 12.8





#36

Benzo(k)fluoranthene

Concen: 2.691 ng

RT: 23.23 min Scan# 2055

Delta R.T. -0.05 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

Instrument :

BNA\_E

ClientSampleId :

AOC8-01R-A

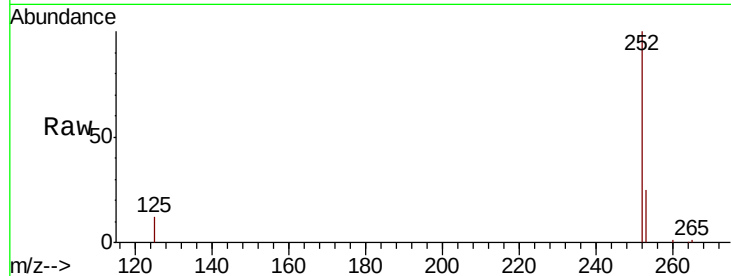
Tgt Ion:252 Resp: 95533

Ion Ratio Lower Upper

252 100

253 24.8 18.6 28.0

125 12.3 7.4 11.0#

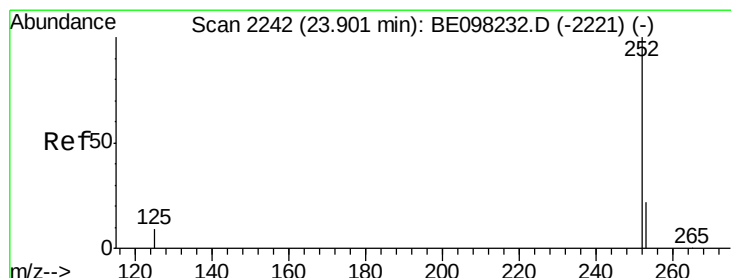
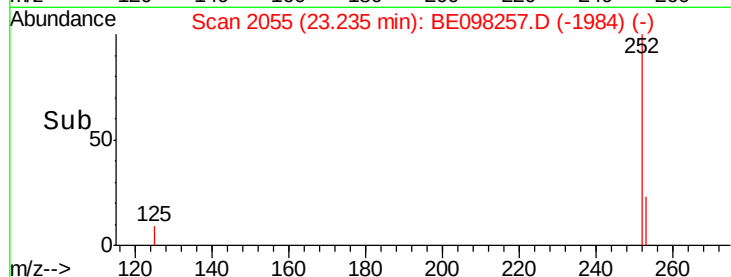
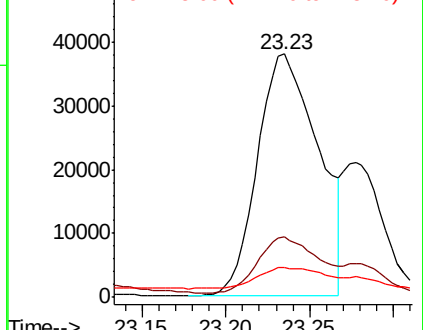


Abundance

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



#37

Benzo(a)pyrene

Concen: 2.263 ng

RT: 23.89 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

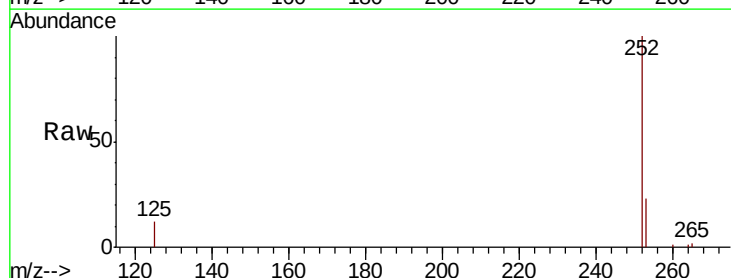
Tgt Ion:252 Resp: 69854

Ion Ratio Lower Upper

252 100

253 23.3 18.6 27.8

125 12.4 8.0 12.0#

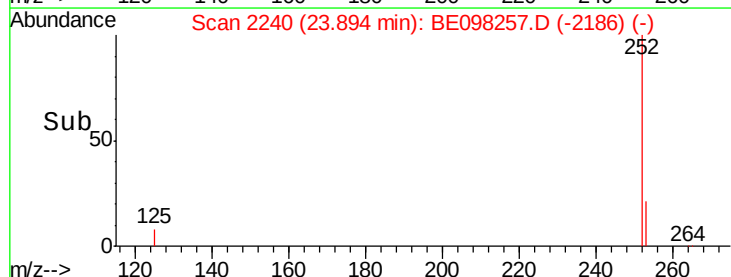
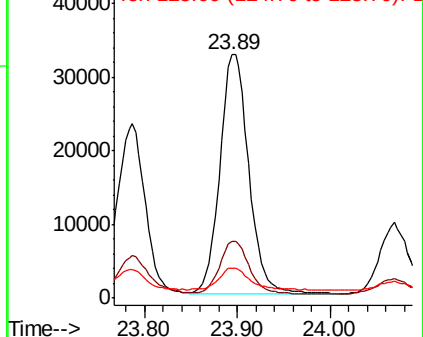


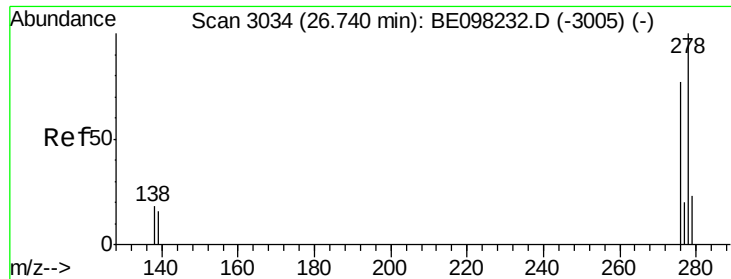
Abundance

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: 0.461 ng

RT: 26.72 min Scan# 3027

Delta R.T. -0.02 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

Instrument :

BNA\_E

ClientSampleId :

AOC8-01R-A

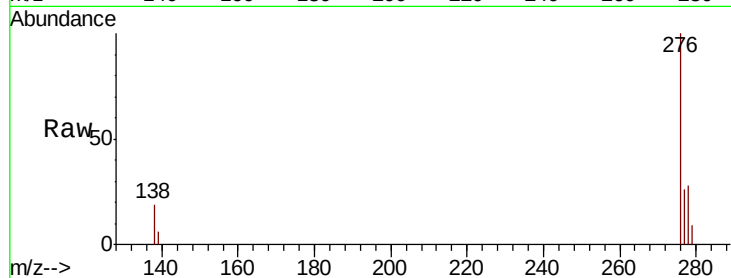
Tgt Ion: 278 Resp: 11400

Ion Ratio Lower Upper

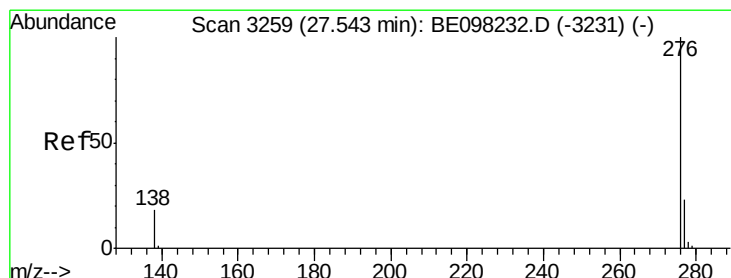
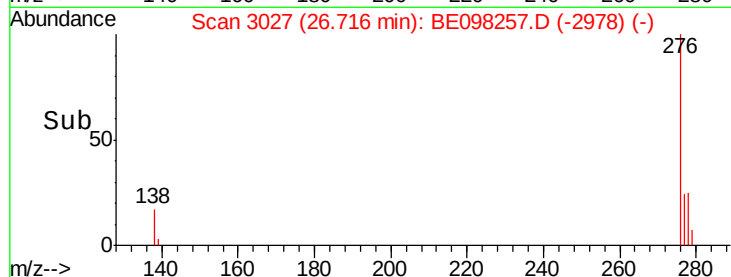
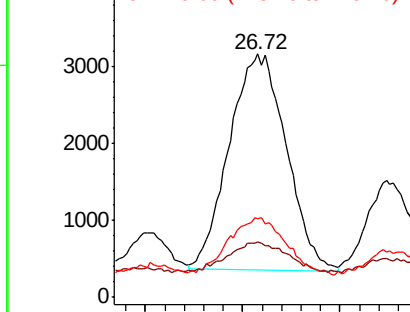
278 100

139 22.9 16.4 24.6

279 32.4 21.3 31.9#



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: 1.717 ng

RT: 27.53 min Scan# 3256

Delta R.T. -0.01 min

Lab File: BE098257.D

Acq: 21 Nov 2018 11:35

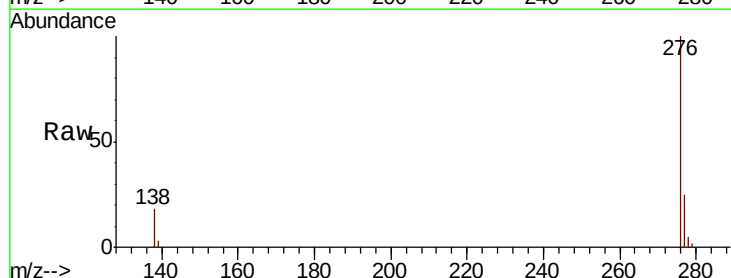
Tgt Ion: 276 Resp: 45751

Ion Ratio Lower Upper

276 100

277 25.4 20.4 30.6

138 18.4 13.2 19.8



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

