

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121418\  
 Data File : BE098446.D  
 Acq On : 14 Dec 2018 21:31  
 Operator : SJ/JU  
 Sample : J6335-10  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-TT-AOC22-MW03-20181208

Quant Time: Dec 14 23:56:47 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 10 14:59:55 2018  
 Response via : Initial Calibration

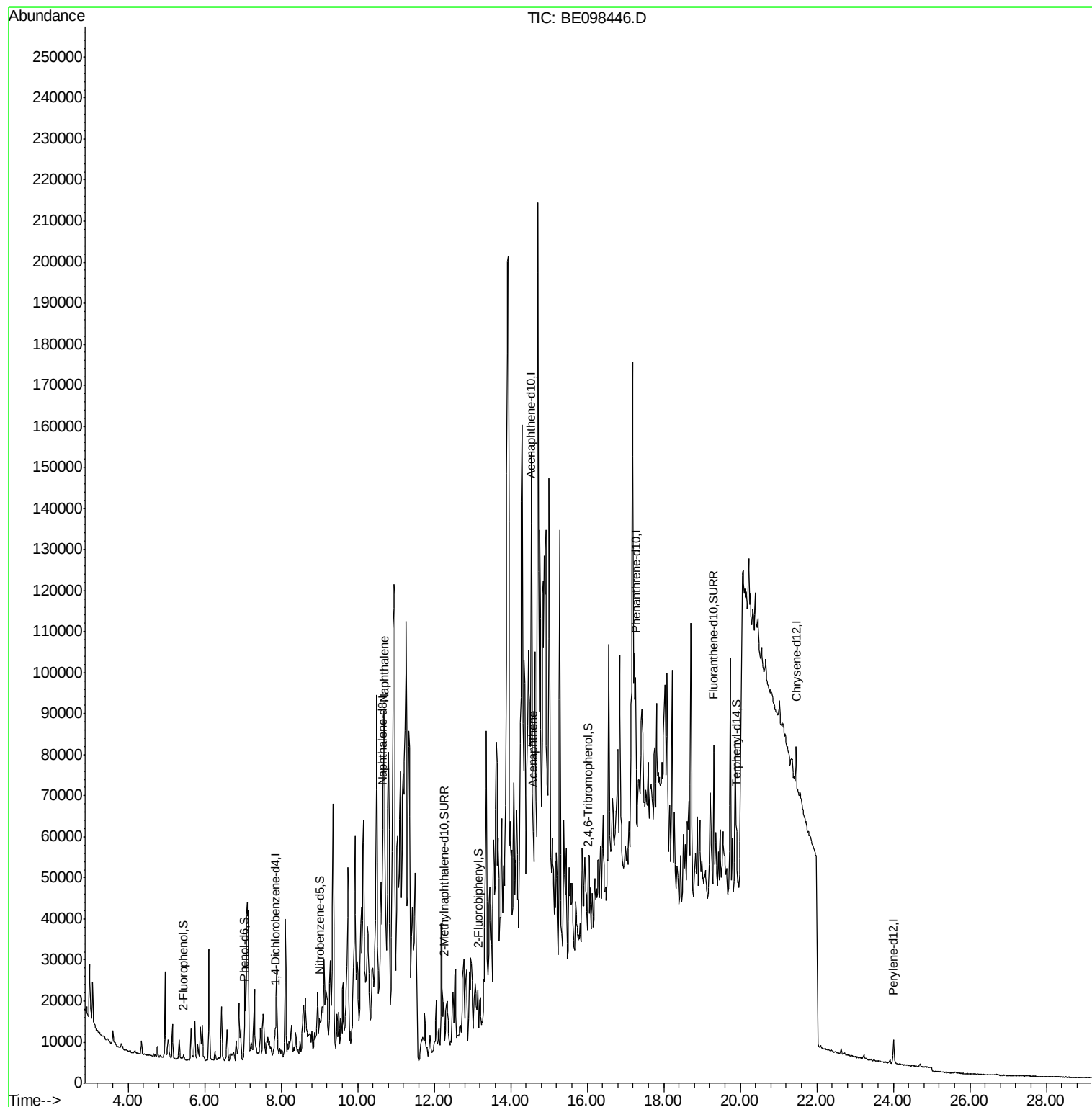
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.85  | 152  | 1473     | 0.40  | ng    | -0.01       |
| 7) Naphthalene-d8           | 10.65 | 136  | 7022     | 0.40  | ng    | -0.01       |
| 13) Acenaphthene-d10        | 14.53 | 164  | 26737    | 0.40  | ng    | 0.00        |
| 19) Phenanthrene-d10        | 17.27 | 188  | 9049     | 0.40  | ng    | -0.01       |
| 27) Chrysene-d12            | 21.46 | 240  | 9946     | 0.40  | ng    | 0.00        |
| 34) Perylene-d12            | 24.00 | 264  | 8680     | 0.40  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |       |       |             |
| 4) 2-Fluorophenol           | 5.44  | 112  | 1247     | 0.36  | ng    | 0.00        |
| 5) Phenol-d6                | 7.03  | 99   | 722      | 0.15  | ng    | -0.01       |
| 8) Nitrobenzene-d5          | 9.00  | 82   | 3162     | 0.49  | ng    | -0.01       |
| 11) 2-Methylnaphthalene-d10 | 12.25 | 152  | 6139     | 0.54  | ng    | -0.02       |
| 14) 2,4,6-Tribromophenol    | 16.02 | 330  | 1036     | 0.11  | ng    | 0.00        |
| 15) 2-Fluorobiphenyl        | 13.14 | 172  | 7222     | 0.06  | ng    | 0.00        |
| 25) Fluoranthene-d10        | 19.31 | 212  | 49681    | 0.43  | ng    | 0.00        |
| 29) Terphenyl-d14           | 19.90 | 244  | 5751     | 0.24  | ng    | 0.00        |
| Target Compounds            |       |      |          |       |       |             |
| 9) Naphthalene              | 10.70 | 128  | 61549    | 0.871 | ng    | Qvalue # 84 |
| 17) Acenaphthene            | 14.59 | 154  | 1821     | 0.024 | ng    | 94          |

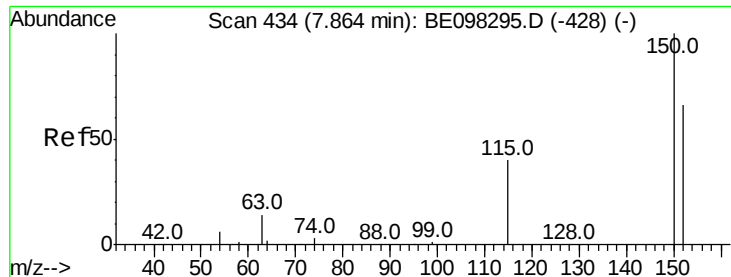
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121418\  
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QLast Update : Mon Dec 10 14:59:55 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. -0.01 min

Lab File: BE098446.D

Acq: 14 Dec 2018 21:31

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW03-20181208

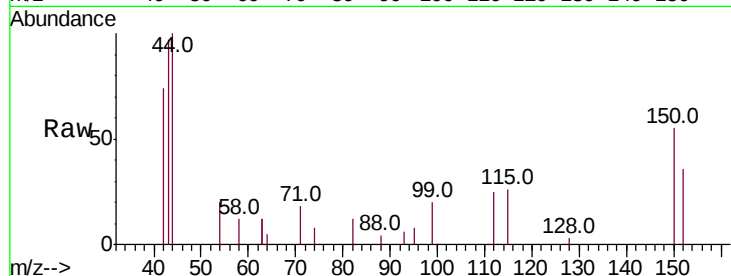
Tot Ion:152 Resp: 1473

Ion Ratio Lower Upper

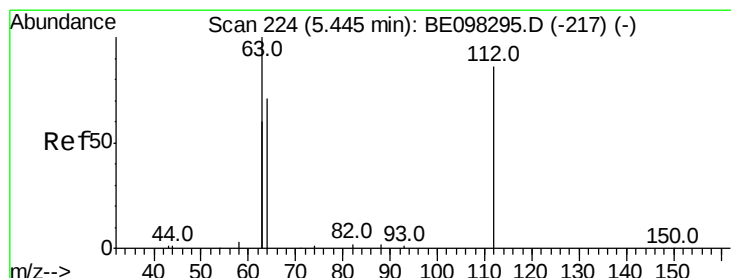
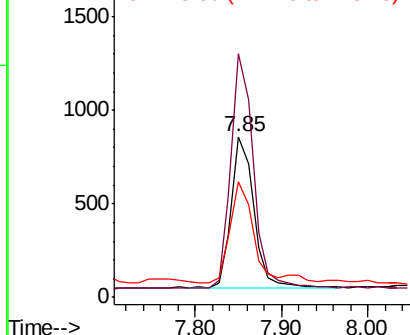
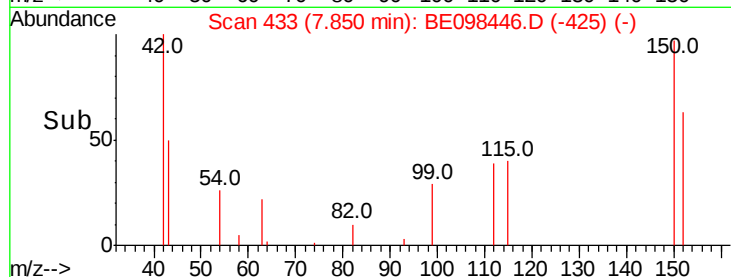
152 100

150 151.7 124.2 186.4

115 71.8 53.9 80.9



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: 0.362 ng

RT: 5.44 min Scan# 224

Delta R.T. -0.00 min

Lab File: BE098446.D

Acq: 14 Dec 2018 21:31

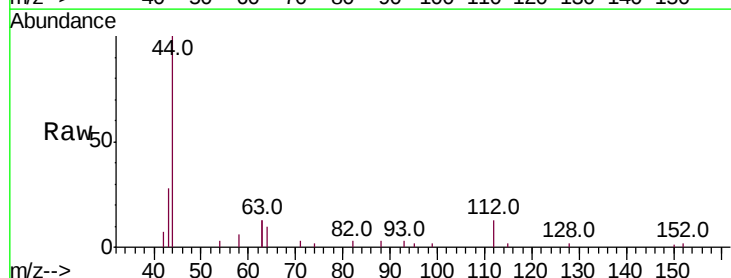
Tgt Ion:112 Resp: 1247

Ion Ratio Lower Upper

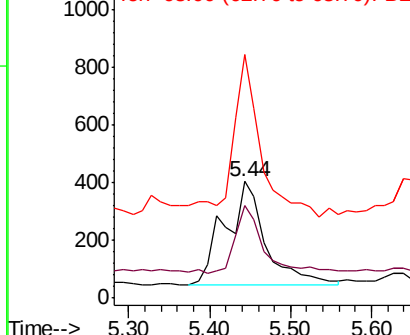
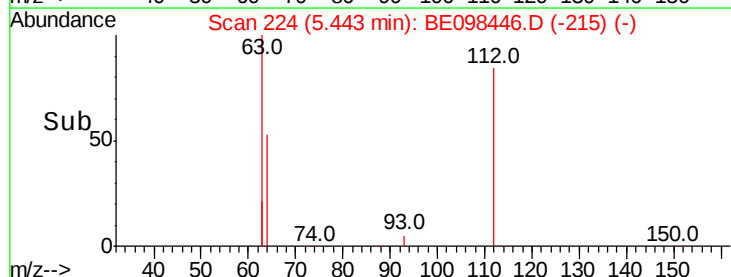
112 100

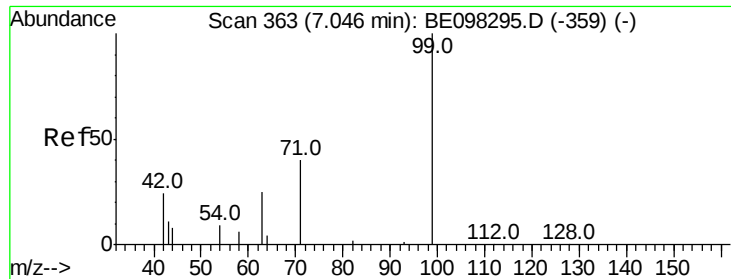
64 46.8 59.8 89.8#

63 106.7 133.7 200.5#



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: 0.148 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098446.D

Acq: 14 Dec 2018 21:31

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW03-20181208

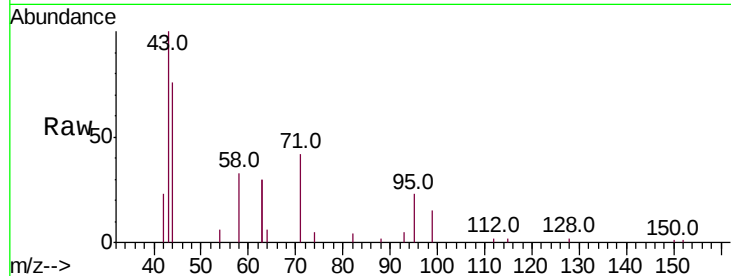
Tot Ion: 99 Resp: 722

Ion Ratio Lower Upper

99 100

42 215.2 26.3 39.5#

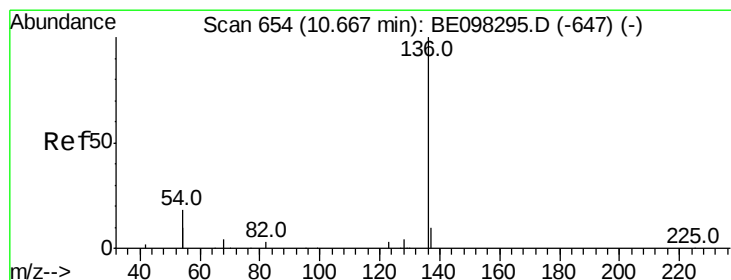
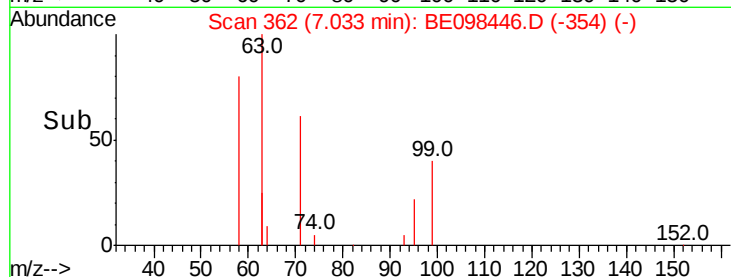
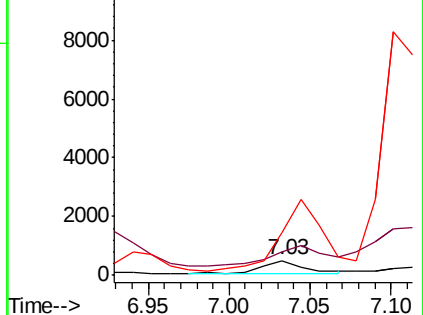
71 626.6 33.6 50.4#



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: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098446.D

Acq: 14 Dec 2018 21:31

Tgt Ion: 136 Resp: 7022

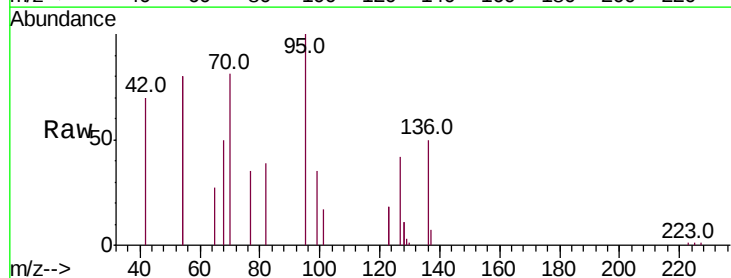
Ion Ratio Lower Upper

136 100

137 14.8 9.2 13.8#

54 319.4 28.4 42.6#

68 100.7 5.4 8.0#

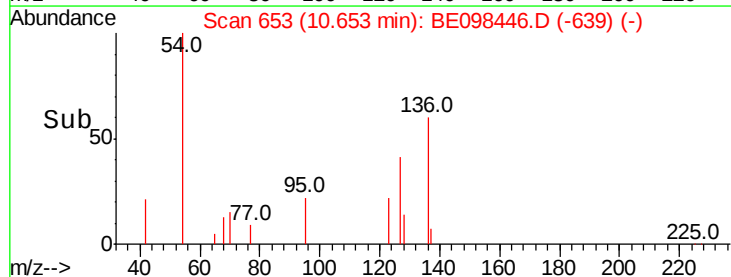
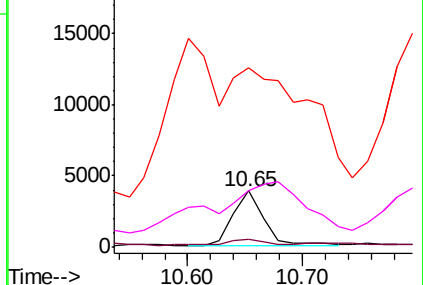


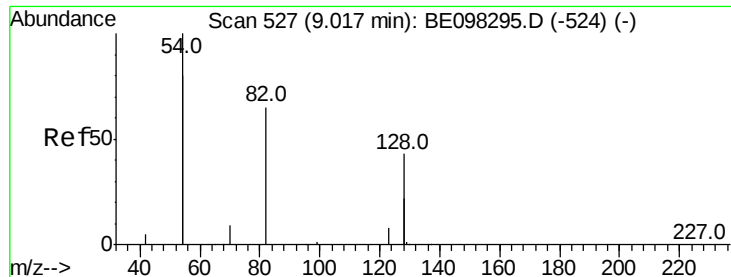
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.495 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.01 min

Lab File: BE098446.D

Acq: 14 Dec 2018 21:31

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW03-20181208

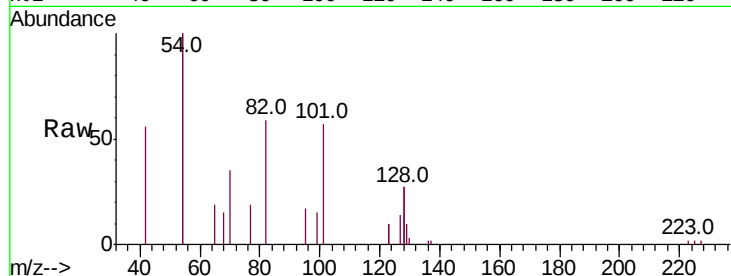
Tot Ion: 82 Resp: 3162

Ion Ratio Lower Upper

82 100

128 93.0 102.4 153.6#

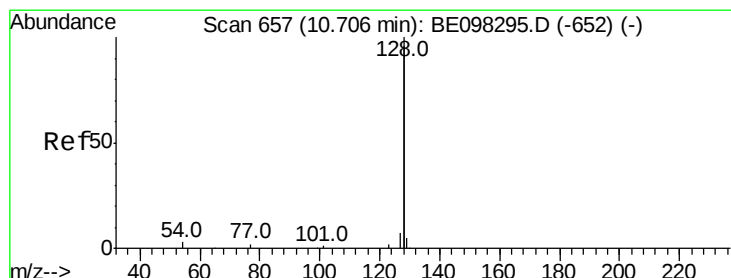
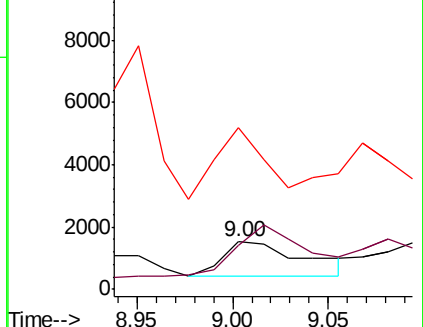
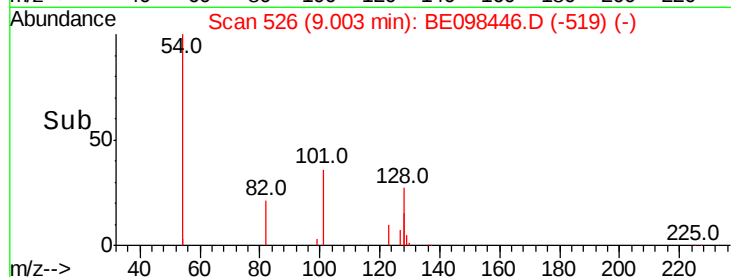
54 340.4 221.8 332.8#



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: 0.871 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098446.D

Acq: 14 Dec 2018 21:31

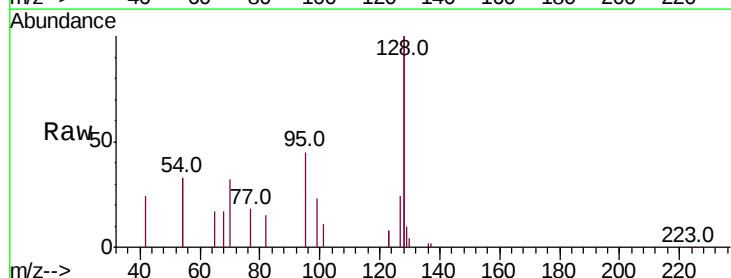
Tgt Ion: 128 Resp: 61549

Ion Ratio Lower Upper

128 100

129 5.1 2.5 3.7#

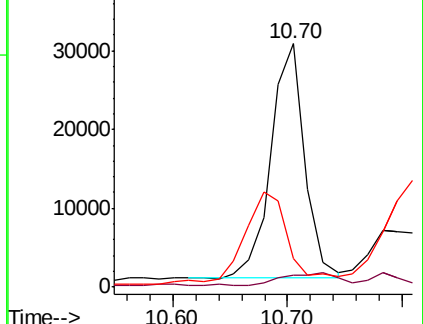
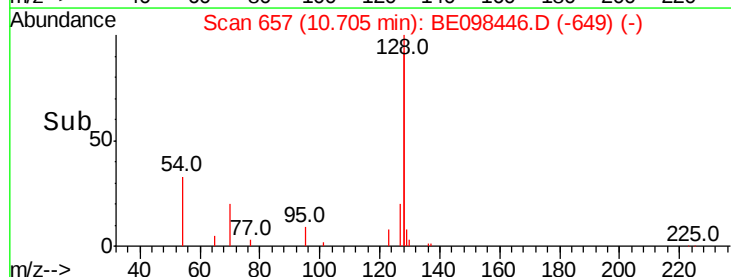
127 11.8 2.7 4.1#

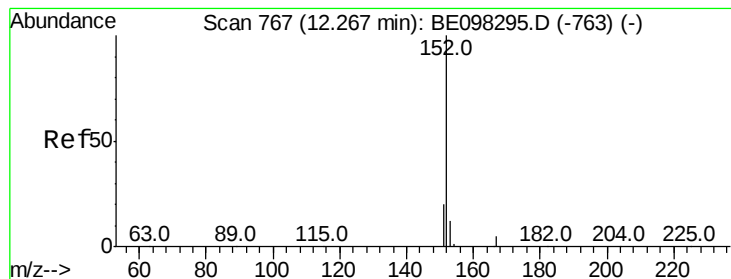


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

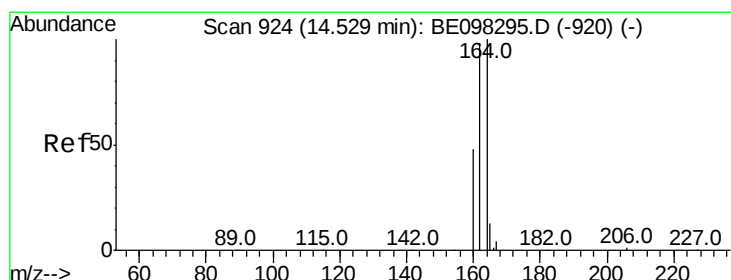
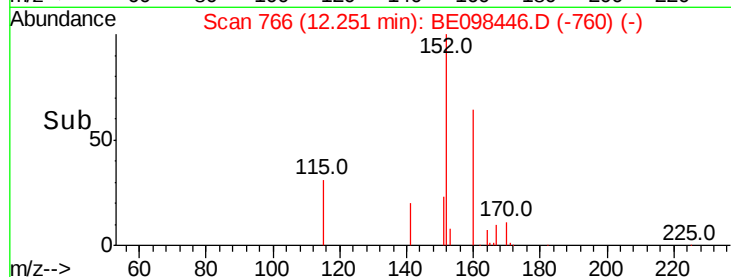
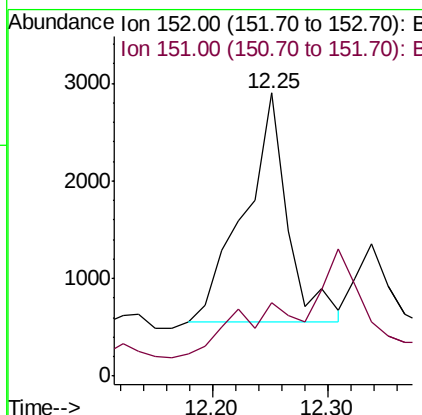
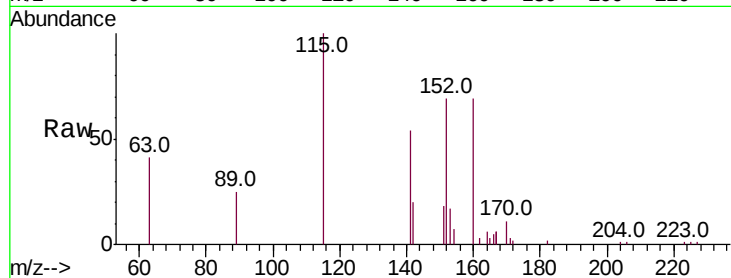




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.538 ng  
 RT: 12.25 min Scan# 766  
 Delta R.T. -0.02 min  
 Lab File: BE098446.D  
 Acq: 14 Dec 2018 21:31

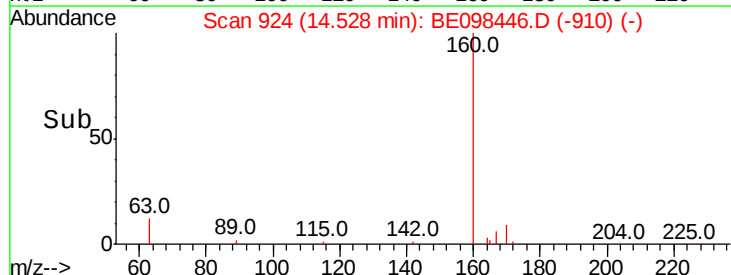
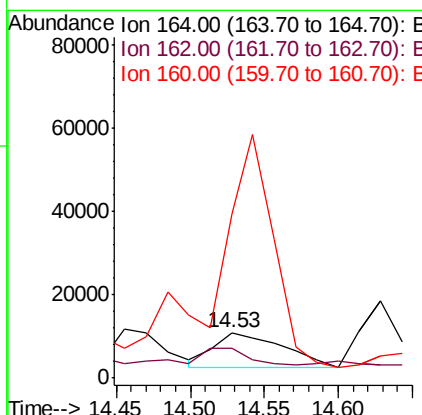
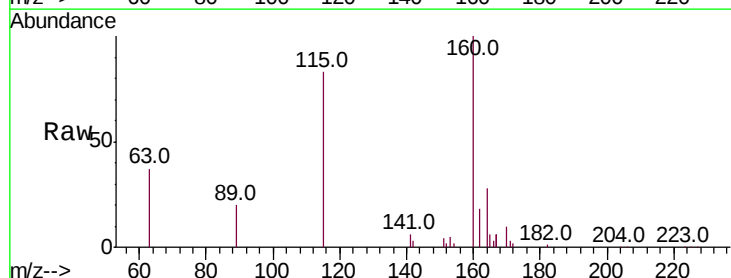
Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-TT-AOC22-MW03-20181208

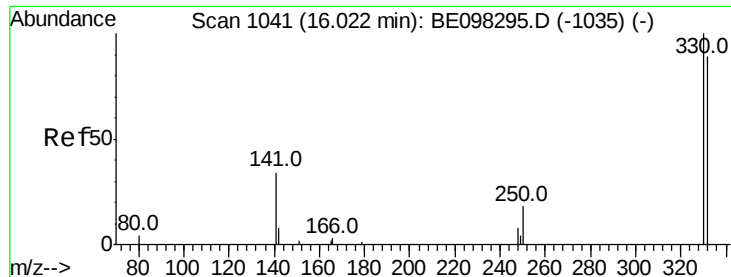
Tot Ion:152 Resp: 6139  
 Ion Ratio Lower Upper  
 152 100  
 151 0.0 16.2 24.4#



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.53 min Scan# 924  
 Delta R.T. -0.00 min  
 Lab File: BE098446.D  
 Acq: 14 Dec 2018 21:31

Tgt Ion:164 Resp: 26737  
 Ion Ratio Lower Upper  
 164 100  
 162 65.5 77.6 116.4#  
 160 360.1 36.0 54.0#





#14

2,4,6-Tribromophenol

Concen: 0.106 ng

RT: 16.02 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BE098446.D

Acq: 14 Dec 2018 21:31

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW03-20181208

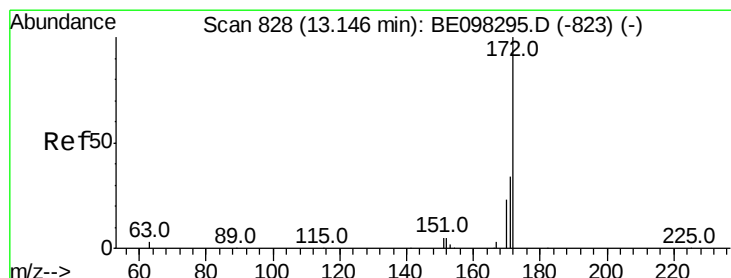
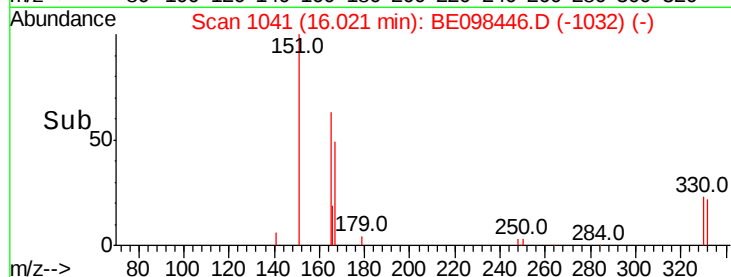
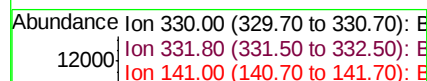
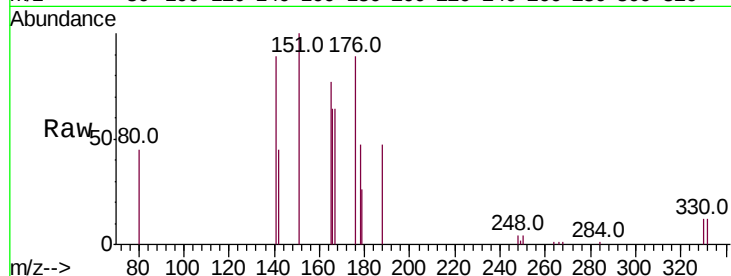
Tot Ion:330 Resp: 1036

Ion Ratio Lower Upper

330 100

332 94.7 76.2 114.4

141 247.5 39.0 58.4#



#15

2-Fluorobiphenyl

Concen: 0.064 ng

RT: 13.14 min Scan# 828

Delta R.T. -0.00 min

Lab File: BE098446.D

Acq: 14 Dec 2018 21:31

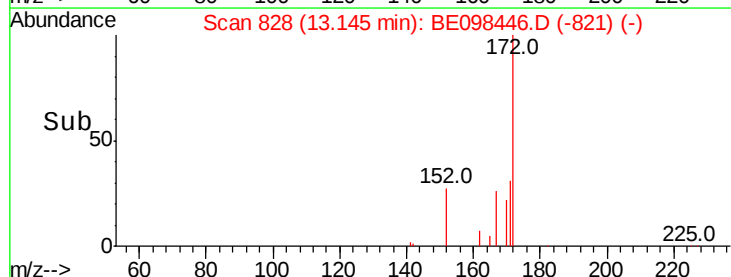
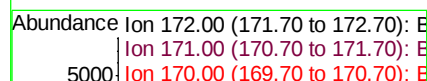
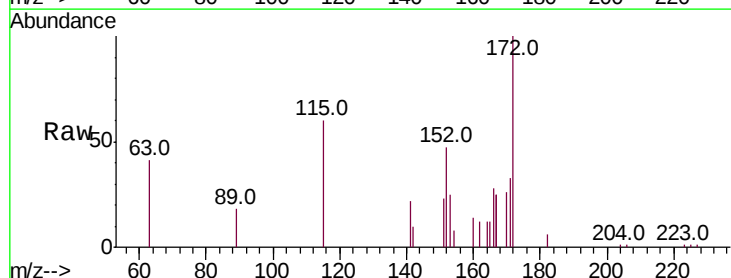
Tgt Ion:172 Resp: 7222

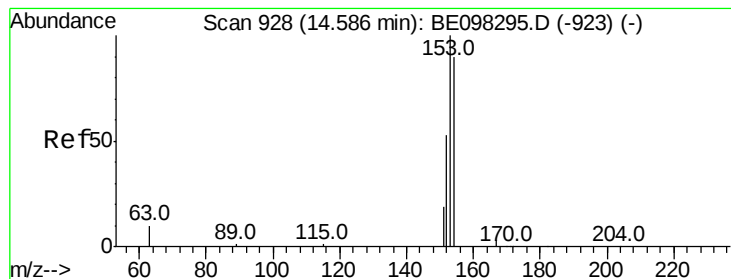
Ion Ratio Lower Upper

172 100

171 33.3 27.5 41.3

170 26.4 19.6 29.4





#17

Acenaphthene

Concen: 0.024 ng

RT: 14.59 min Scan# 928

Delta R.T. -0.00 min

Lab File: BE098446.D

Acq: 14 Dec 2018 21:31

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW03-20181208

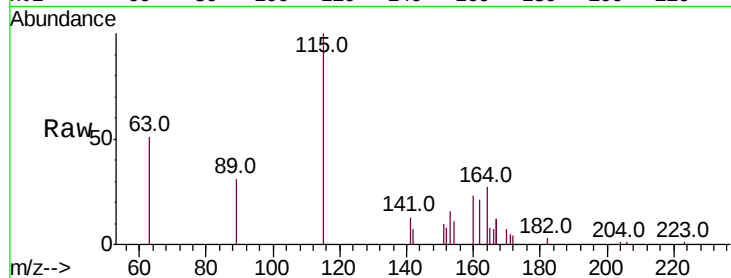
Tot Ion:154 Resp: 1821

Ion Ratio Lower Upper

154 100

153 123.3 91.8 137.6

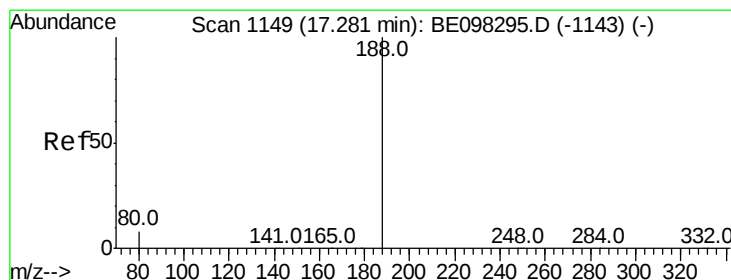
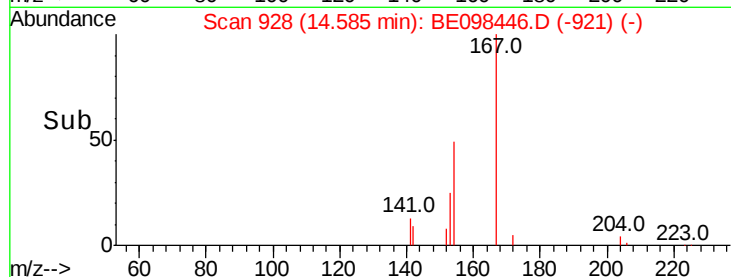
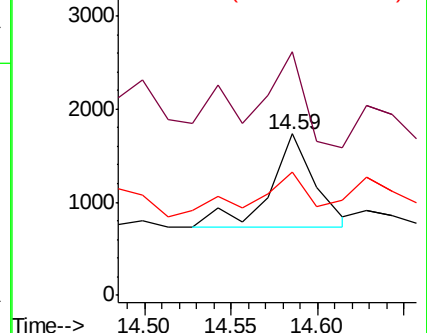
152 58.9 45.5 68.3



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098446.D

Acq: 14 Dec 2018 21:31

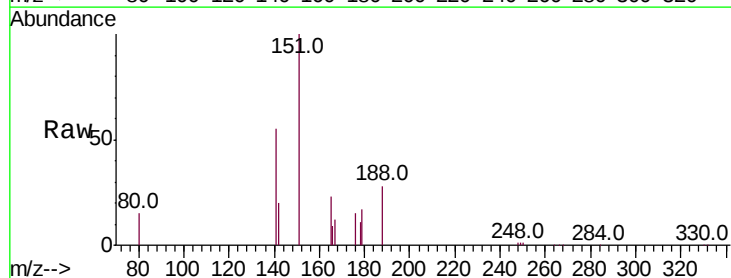
Tgt Ion:188 Resp: 9049

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

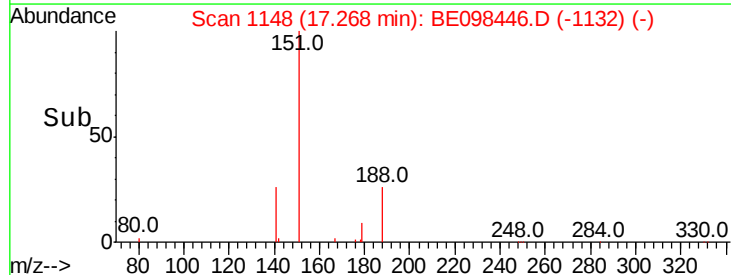
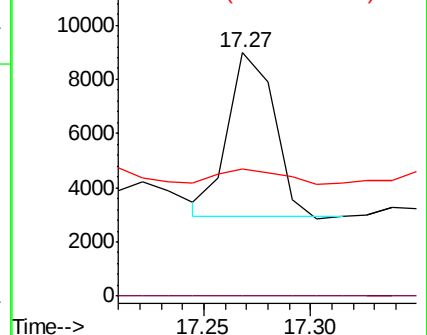
80 52.0 7.2 10.8#

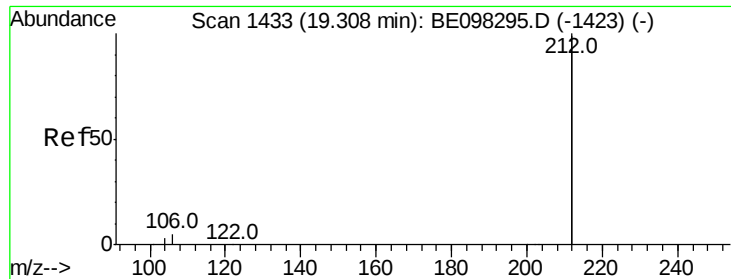


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#25

Fluoranthene-d10

Concen: 0.428 ng

RT: 19.31 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE098446.D

Acq: 14 Dec 2018 21:31

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW03-20181208

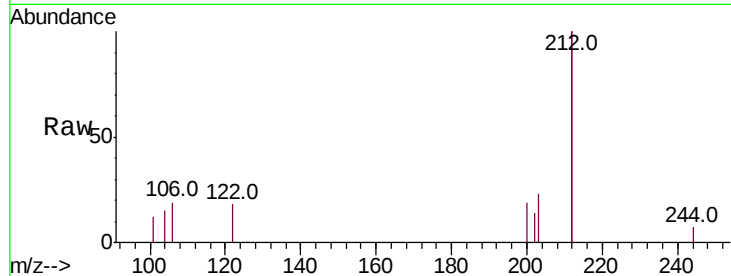
Tot Ion:212 Resp: 49681

Ion Ratio Lower Upper

212 100

106 1.9 2.2 3.2#

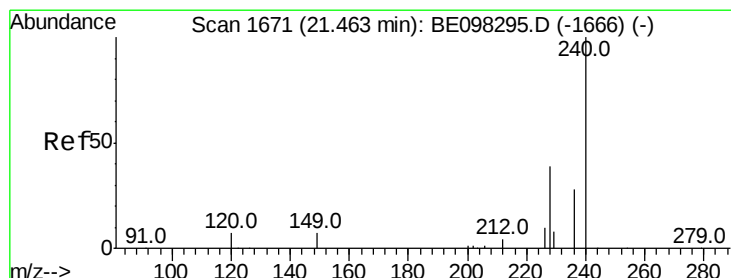
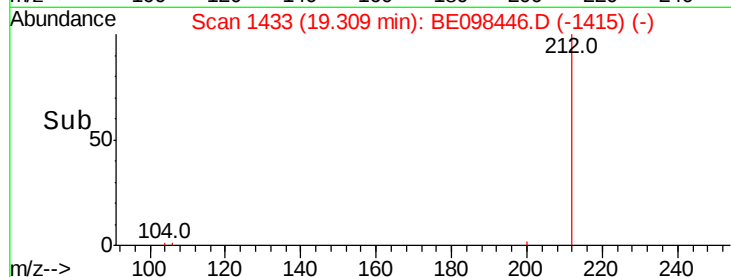
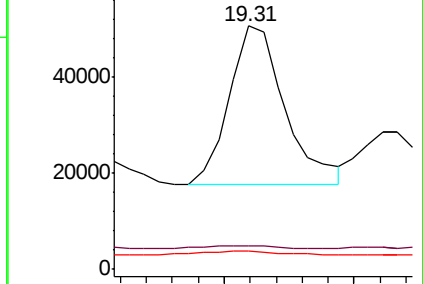
104 3.7 1.3 1.9#



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE098446.D

Acq: 14 Dec 2018 21:31

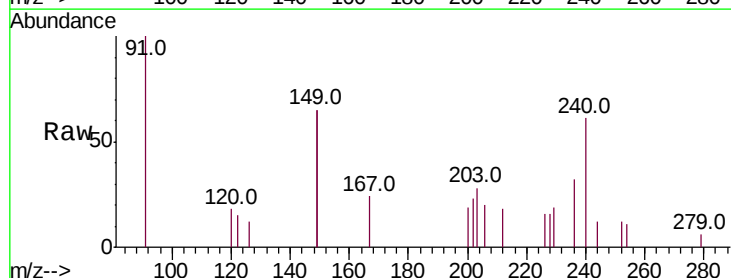
Tgt Ion:240 Resp: 9946

Ion Ratio Lower Upper

240 100

120 30.4 9.5 14.3#

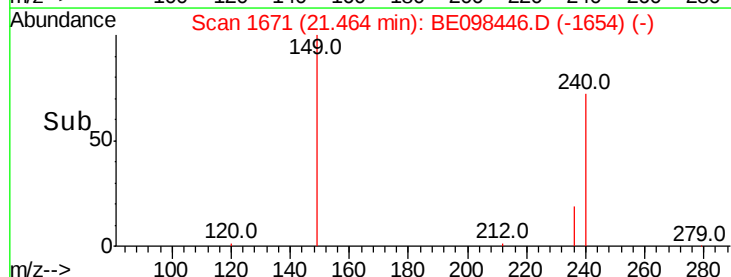
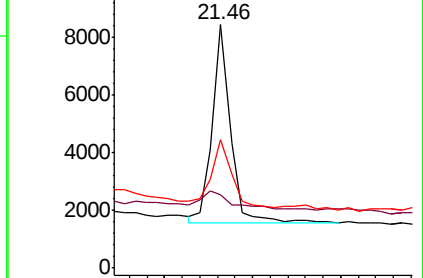
236 52.7 22.7 34.1#

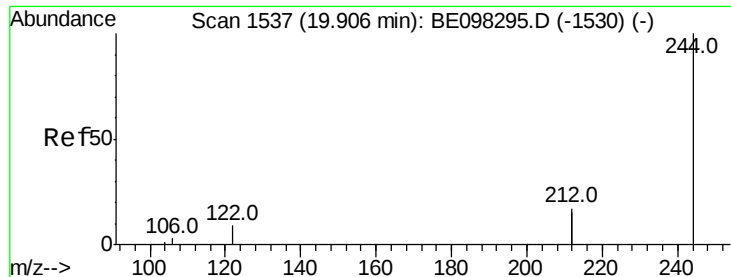


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.238 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BE098446.D

Acq: 14 Dec 2018 21:31

Instrument :

BNA\_E

ClientSampleId :

BP-TT-AOC22-MW03-20181208

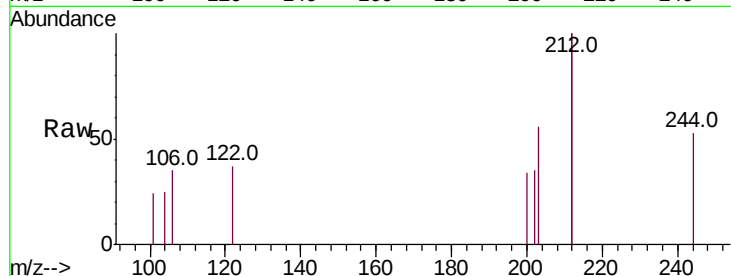
Tot Ion:244 Resp: 5751

Ion Ratio Lower Upper

244 100

212 377.8 27.4 41.0#

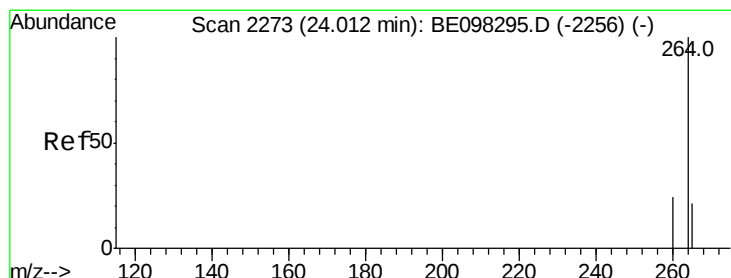
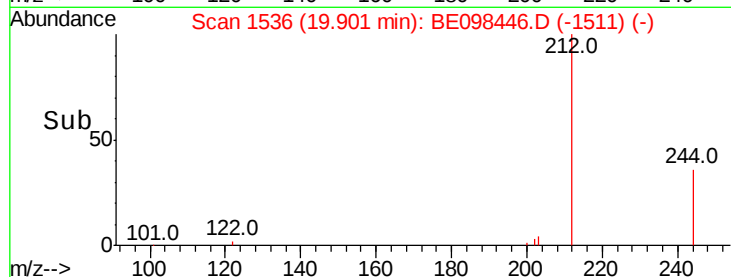
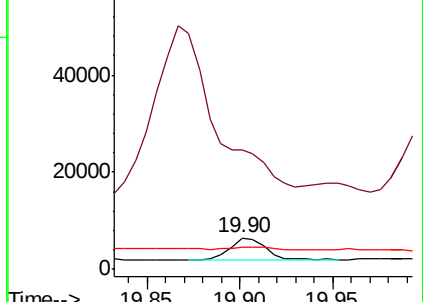
122 69.4 8.3 12.5#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.00 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BE098446.D

Acq: 14 Dec 2018 21:31

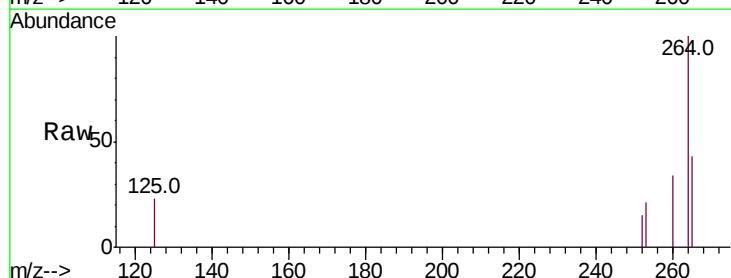
Tgt Ion:264 Resp: 8680

Ion Ratio Lower Upper

264 100

260 33.6 20.2 30.2#

265 43.4 25.2 37.8#



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

