

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE121418\  
 Data File : BE098449.D  
 Acq On : 14 Dec 2018 23:21  
 Operator : SJ/JU  
 Sample : J6343-18  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BPS1-TT-MW309D-20181210

Quant Time: Dec 15 00:00:34 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

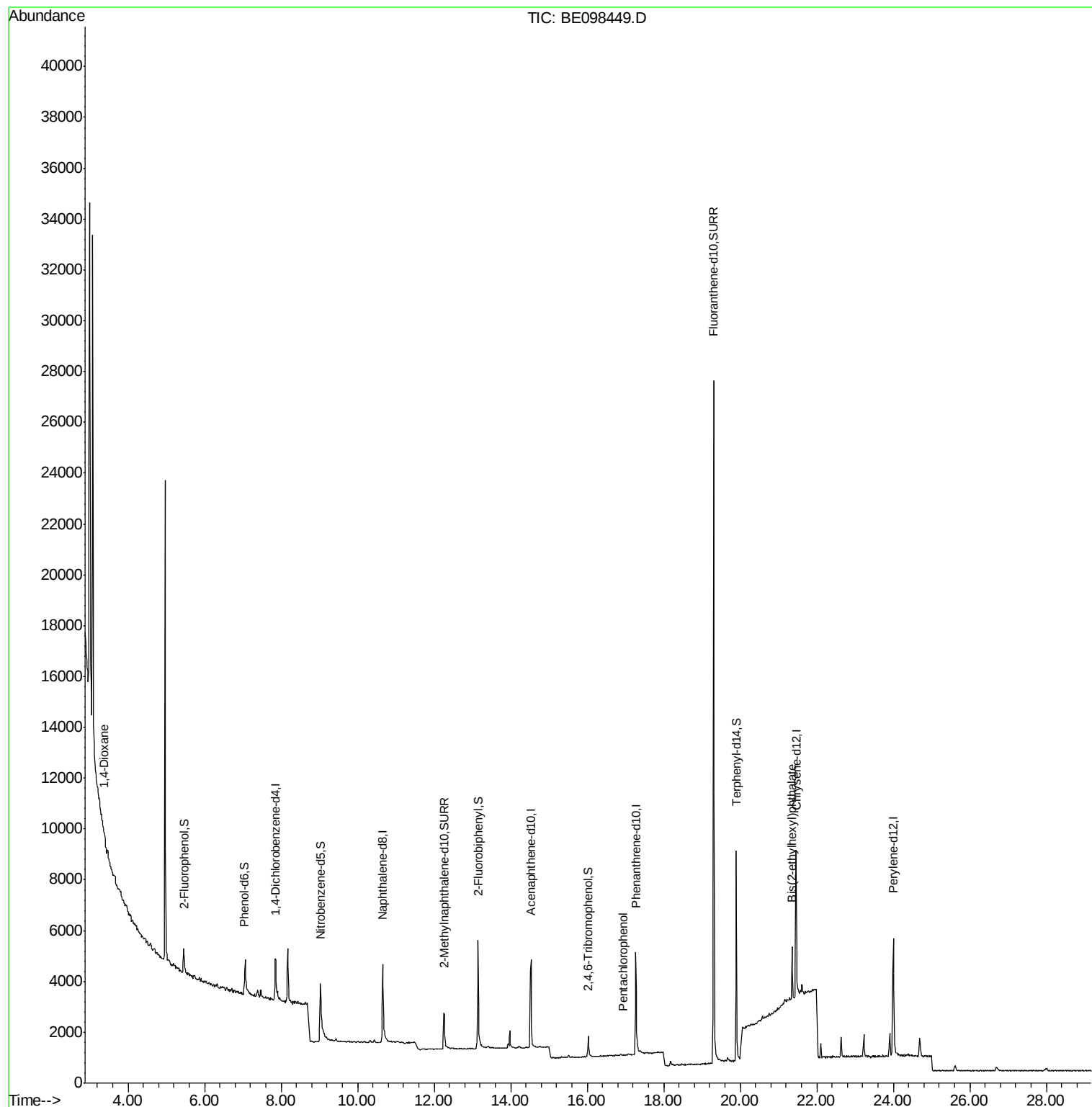
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.86  | 152  | 1050     | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 10.65 | 136  | 4210     | 0.40  | ng    | -0.01       |
| 13) Acenaphthene-d10           | 14.53 | 164  | 2638     | 0.40  | ng    | 0.00        |
| 19) Phenanthrene-d10           | 17.27 | 188  | 6490     | 0.40  | ng    | -0.01       |
| 27) Chrysene-d12               | 21.46 | 240  | 8313     | 0.40  | ng    | 0.00        |
| 34) Perylene-d12               | 24.00 | 264  | 7959     | 0.40  | ng    | -0.01       |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.46  | 112  | 594      | 0.24  | ng    | 0.01        |
| 5) Phenol-d6                   | 7.05  | 99   | 623      | 0.18  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 9.03  | 82   | 1735     | 0.45  | ng    | 0.01        |
| 11) 2-Methylnaphthalene-d10    | 12.25 | 152  | 2884     | 0.42  | ng    | -0.01       |
| 14) 2,4,6-Tribromophenol       | 16.02 | 330  | 641      | 0.66  | ng    | 0.00        |
| 15) 2-Fluorobiphenyl           | 13.15 | 172  | 5344     | 0.48  | ng    | 0.00        |
| 25) Fluoranthene-d10           | 19.30 | 212  | 40669    | 0.49  | ng    | 0.00        |
| 29) Terphenyl-d14              | 19.90 | 244  | 7905     | 0.39  | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 2) 1,4-Dioxane                 | 3.37  | 88   | 129      | 0.071 | ng    | Qvalue # 47 |
| 22) Pentachlorophenol          | 16.93 | 266  | 15       | 0.042 | ng    | # 73        |
| 32) Bis(2-ethylhexyl)phthalate | 21.35 | 149  | 2598     | 0.054 | ng    | # 98        |

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

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BPS1-TT-MW309D-20181210

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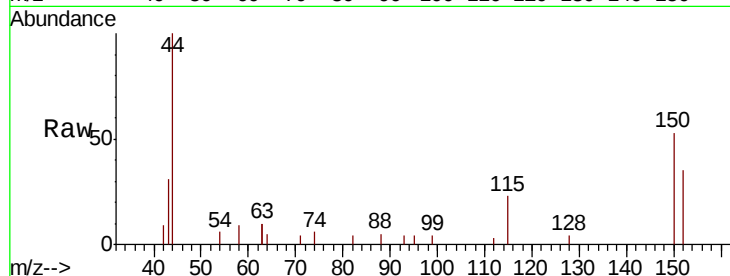


#1

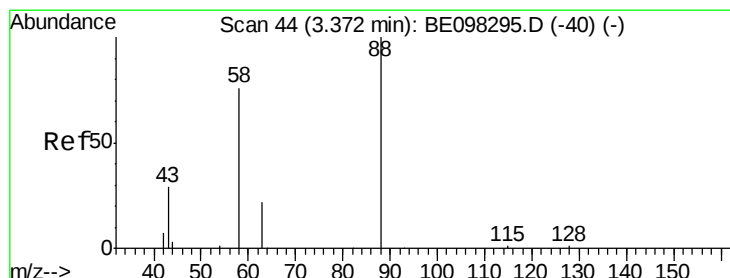
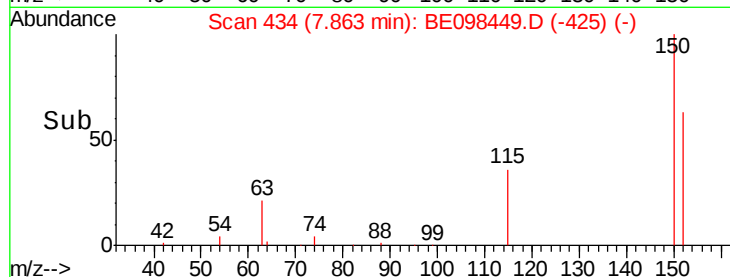
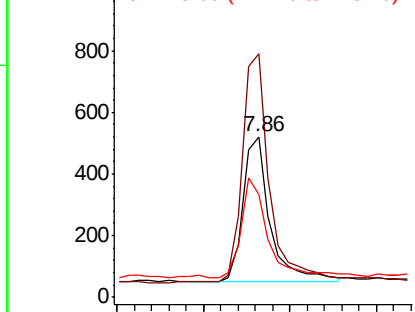
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BE098449.D  
Acq: 14 Dec 2018 23:21

Instrument :  
BNA\_G  
ClientSampleId :  
BPS1-TT-MW309D-20181210

Tgt Ion: 152 Resp: 1050  
Ion Ratio Lower Upper  
152 100  
150 151.6 124.2 186.4  
115 63.9 53.9 80.9



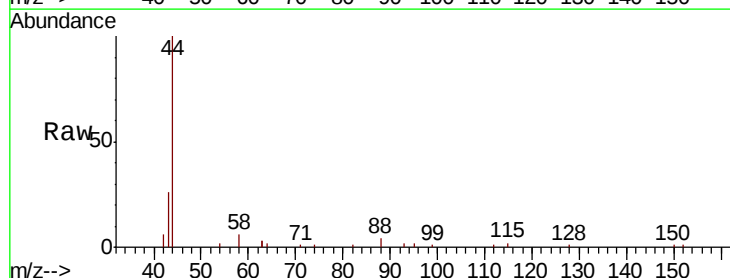
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



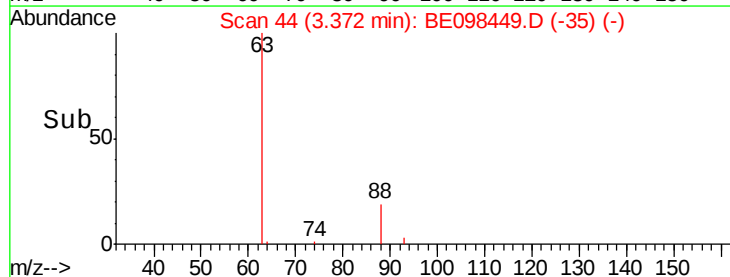
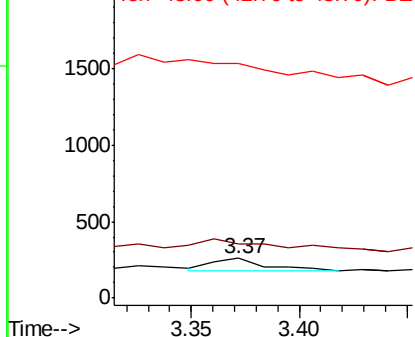
#2

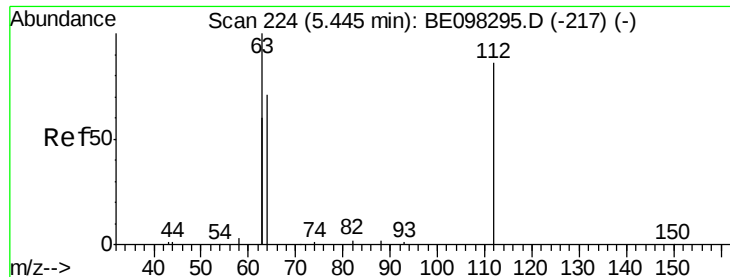
1,4-Dioxane  
Concen: 0.071 ng  
RT: 3.37 min Scan# 44  
Delta R.T. -0.00 min  
Lab File: BE098449.D  
Acq: 14 Dec 2018 23:21

Tgt Ion: 88 Resp: 129  
Ion Ratio Lower Upper  
88 100  
58 135.7 75.0 112.6#  
43 0.0 38.3 57.5#



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: 0.242 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098449.D

Acq: 14 Dec 2018 23:21

Instrument :

BNA\_G

ClientSampleId :

BPS1-TT-MW309D-20181210

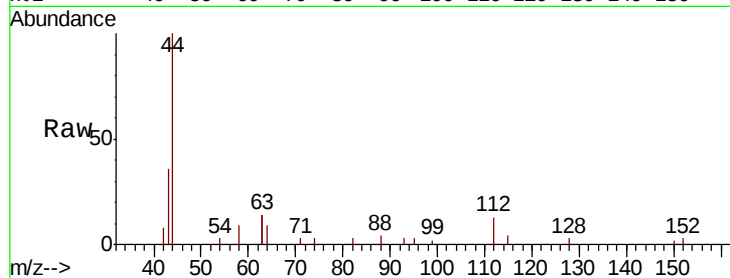
Tgt Ion: 112 Resp: 594

Ion Ratio Lower Upper

112 100

64 89.7 59.8 89.8

63 169.9 133.7 200.5



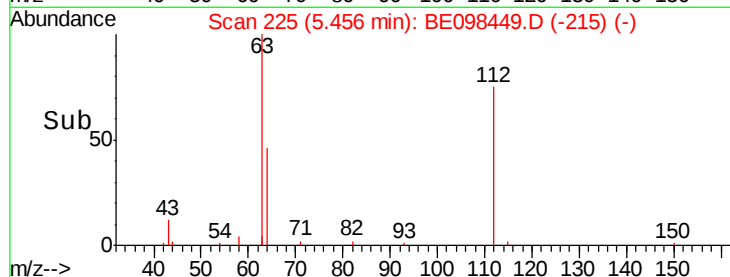
Abundance Ion 112.00 (111.70 to 112.70): BE098295.D (-217) (-)

Ion 64.00 (63.70 to 64.70): BE098295.D (-217) (-)

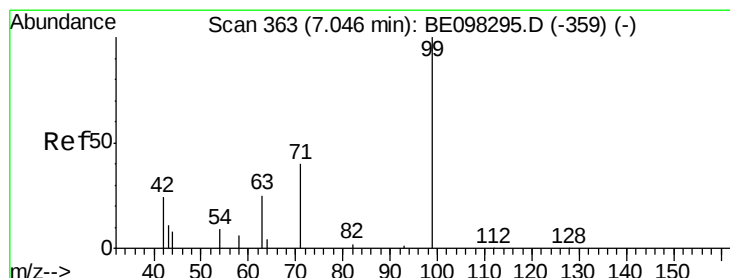
Ion 63.00 (62.70 to 63.70): BE098295.D (-217) (-)

Time-->

5.46



Time-->



#5

Phenol-d6

Concen: 0.179 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098449.D

Acq: 14 Dec 2018 23:21

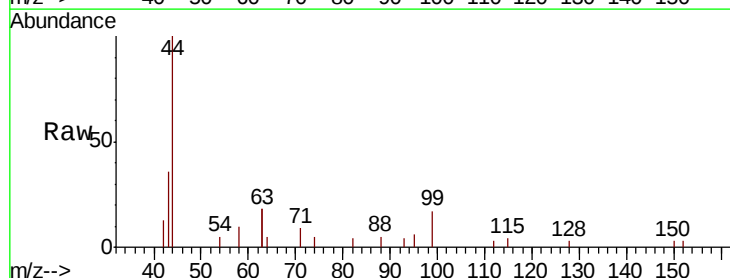
Tgt Ion: 99 Resp: 623

Ion Ratio Lower Upper

99 100

42 46.5 26.3 39.5#

71 41.1 33.6 50.4



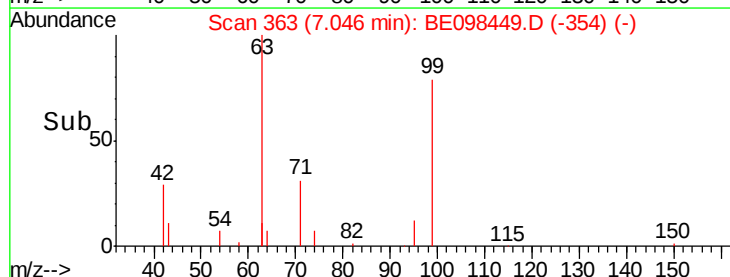
Abundance Ion 99.00 (98.70 to 99.70): BE098295.D (-359) (-)

Ion 42.00 (41.70 to 42.70): BE098295.D (-359) (-)

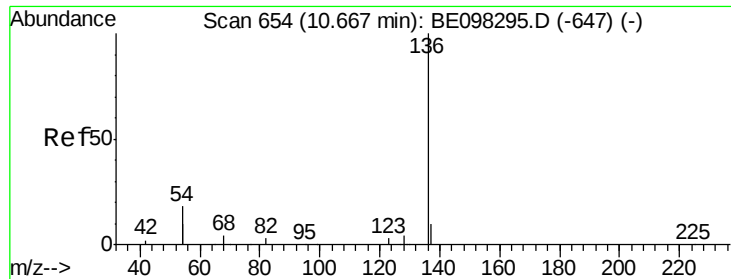
Ion 71.00 (70.70 to 71.70): BE098295.D (-359) (-)

Time-->

7.05



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098449.D

Acq: 14 Dec 2018 23:21

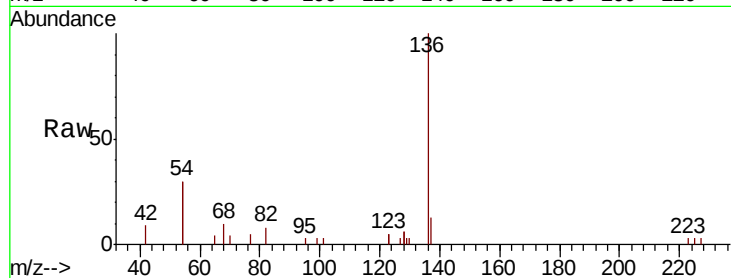
Instrument :

BNA\_G

ClientSampleId :

BPS1-TT-MW309D-20181210

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 4210  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 13.4  | 9.2   | 13.8  |
| 54       | 59.8  | 28.4  | 42.6# |
| 68       | 10.2  | 5.4   | 8.0#  |



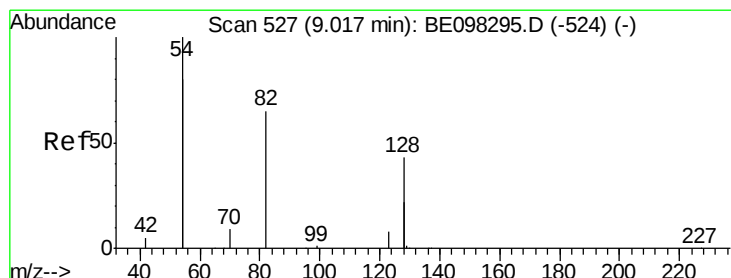
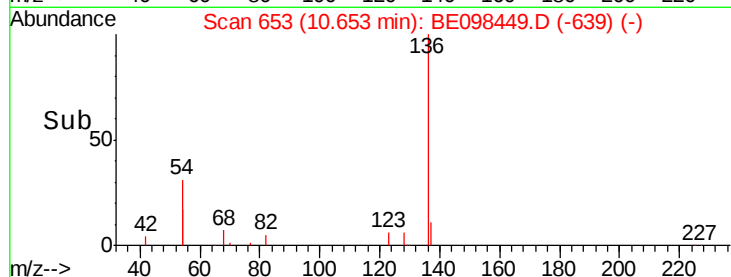
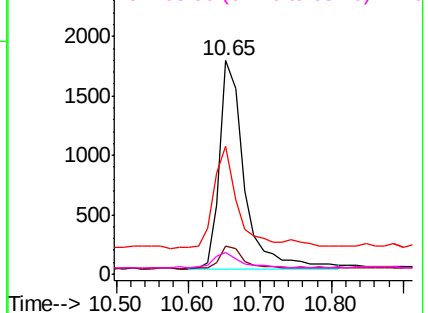
Abundance

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: 0.453 ng

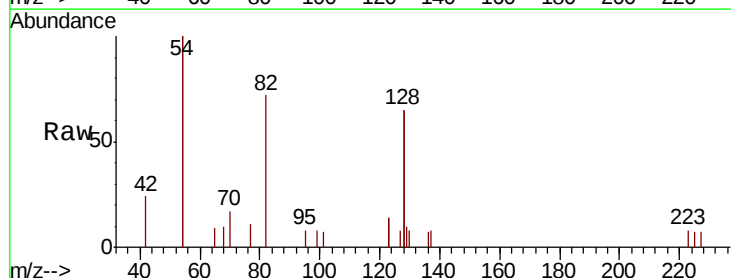
RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098449.D

Acq: 14 Dec 2018 23:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 1735   |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 182.0 | 102.4 | 153.6# |
| 54       | 278.0 | 221.8 | 332.8  |

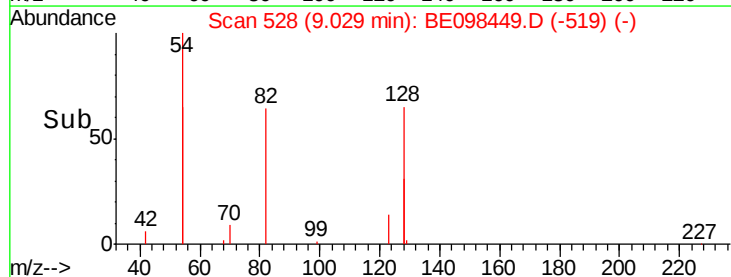
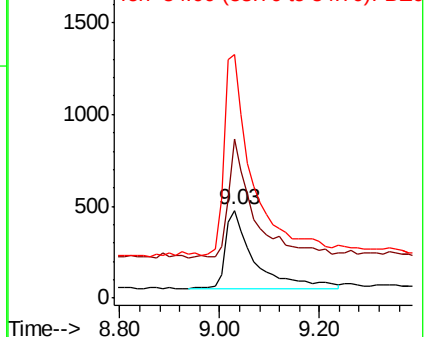


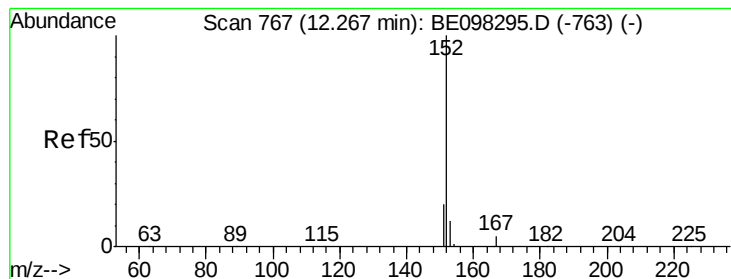
Abundance

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





#11

2-Methylnaphthalene-d10

Concen: 0.421 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.01 min

Lab File: BE098449.D

Acq: 14 Dec 2018 23:21

Instrument :

BNA\_G

ClientSampleId :

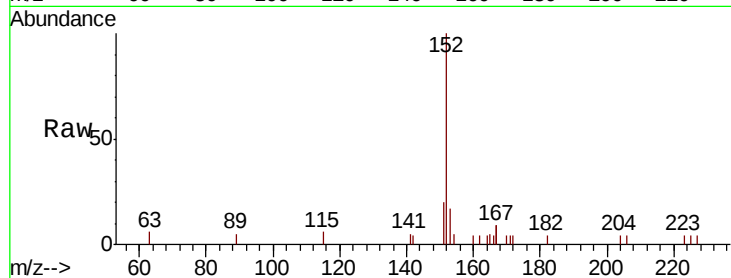
BPS1-TT-MW309D-20181210

Tgt Ion:152 Resp: 2884

Ion Ratio Lower Upper

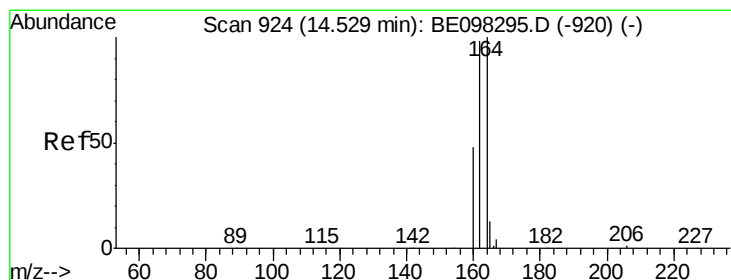
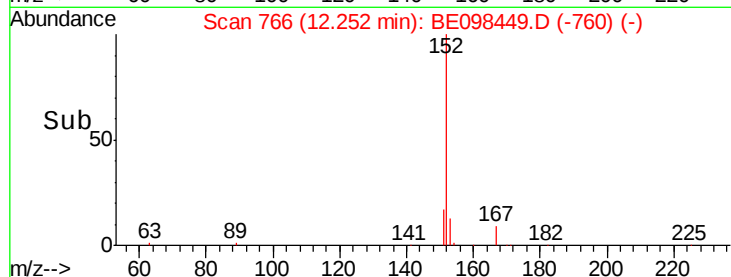
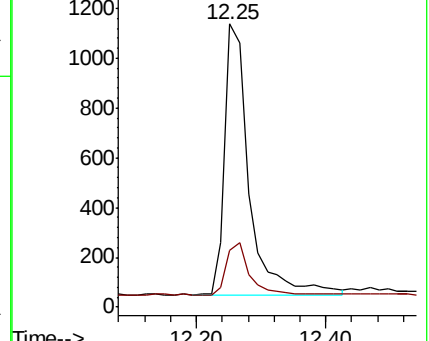
152 100

151 19.4 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE098449.D

Acq: 14 Dec 2018 23:21

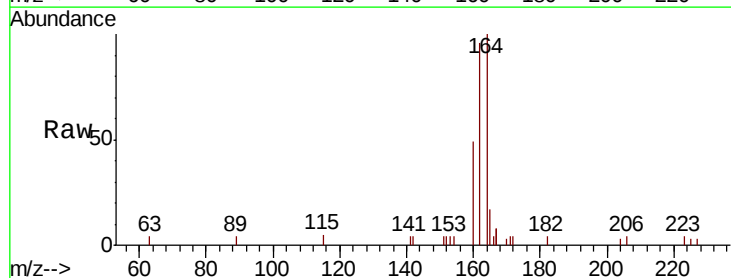
Tgt Ion:164 Resp: 2638

Ion Ratio Lower Upper

164 100

162 95.5 77.6 116.4

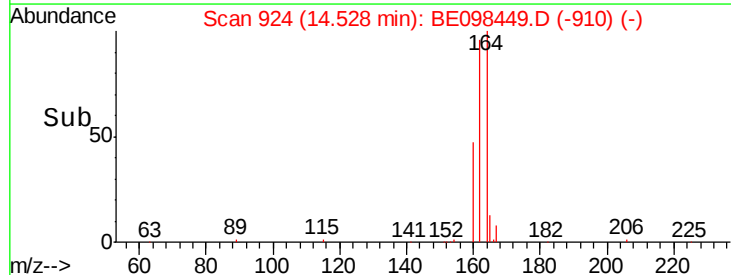
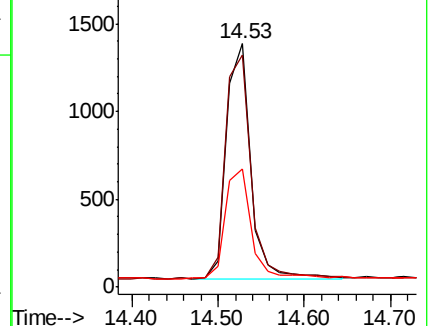
160 48.7 36.0 54.0

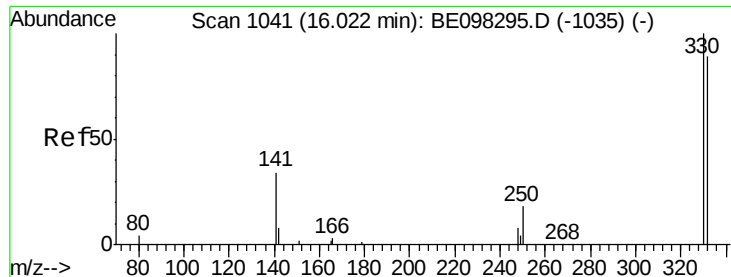


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

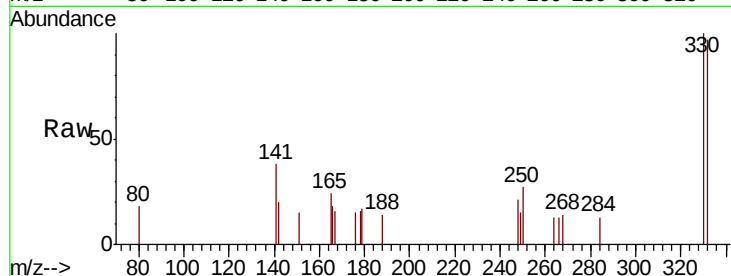




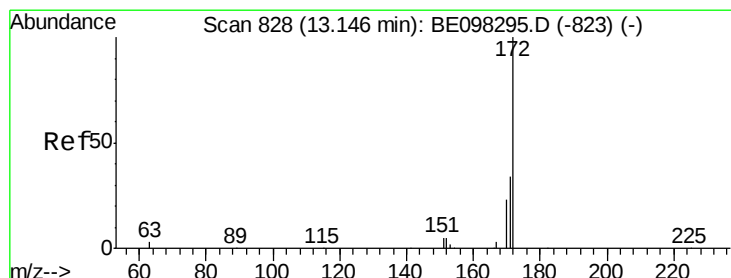
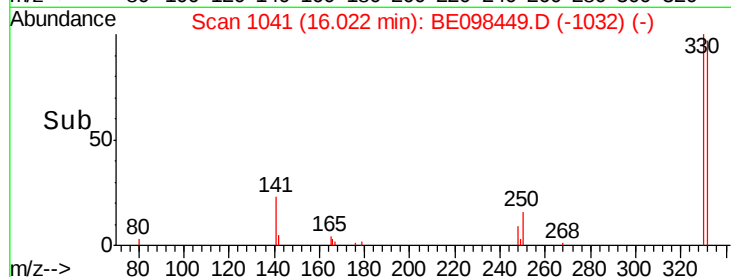
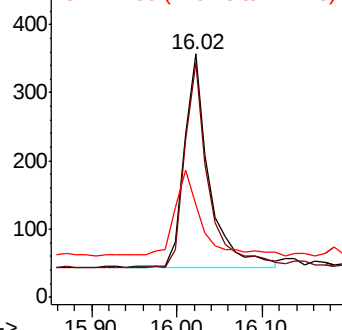
#14  
 2,4,6-Tribromophenol  
 Concen: 0.662 ng  
 RT: 16.02 min Scan# 1041  
 Delta R.T. -0.00 min  
 Lab File: BE098449.D  
 Acq: 14 Dec 2018 23:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BPS1-TT-MW309D-20181210

Tgt Ion: 330 Resp: 641  
 Ion Ratio Lower Upper  
 330 100  
 332 93.9 76.2 114.4  
 141 41.3 39.0 58.4

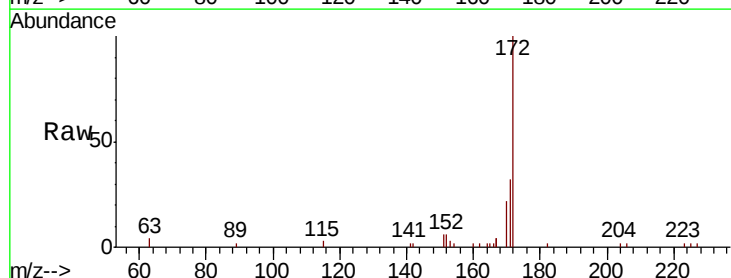


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

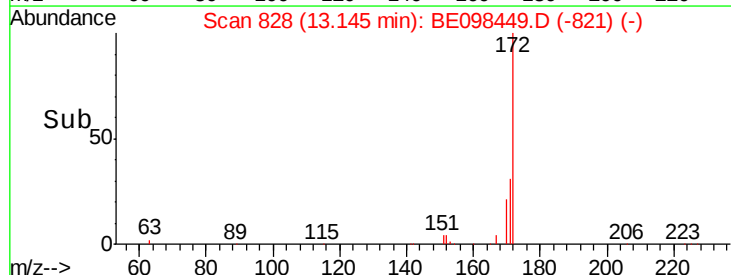
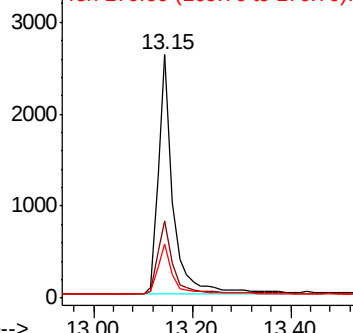


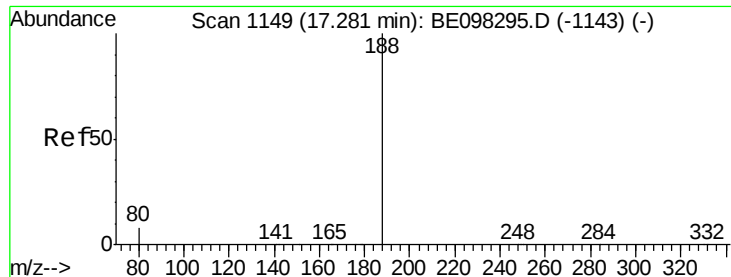
#15  
 2-Fluorobiphenyl  
 Concen: 0.480 ng  
 RT: 13.15 min Scan# 828  
 Delta R.T. -0.00 min  
 Lab File: BE098449.D  
 Acq: 14 Dec 2018 23:21

Tgt Ion: 172 Resp: 5344  
 Ion Ratio Lower Upper  
 172 100  
 171 31.7 27.5 41.3  
 170 22.4 19.6 29.4



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE098449.D

Acq: 14 Dec 2018 23:21

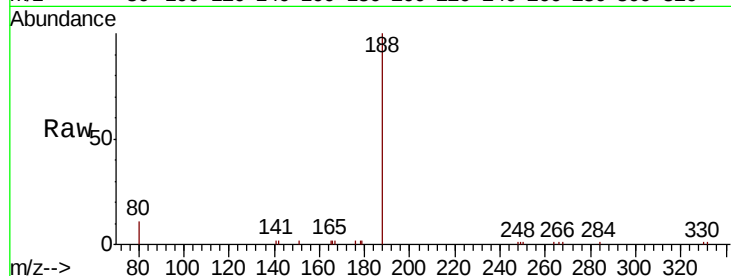
Instrument :

BNA\_G

ClientSampleId :

BPS1-TT-MW309D-20181210

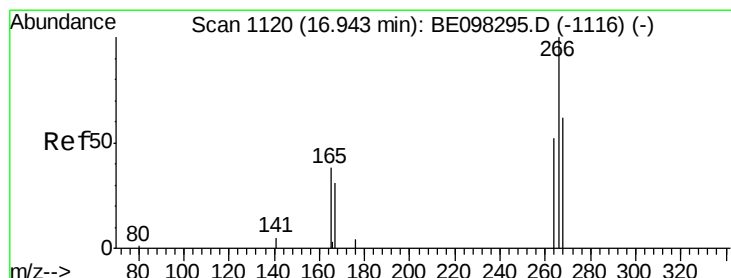
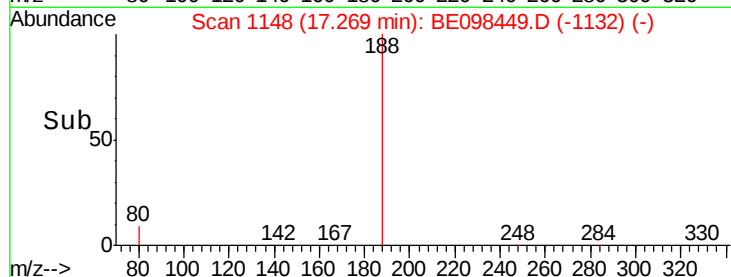
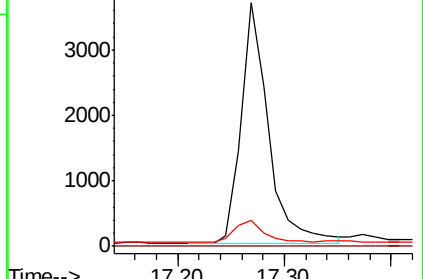
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 6490  |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 0.0   | 0.0   | 0.0   |
| 80       | 10.7  | 7.2   | 10.8  |



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



#22

Pentachlorophenol

Concen: 0.042 ng

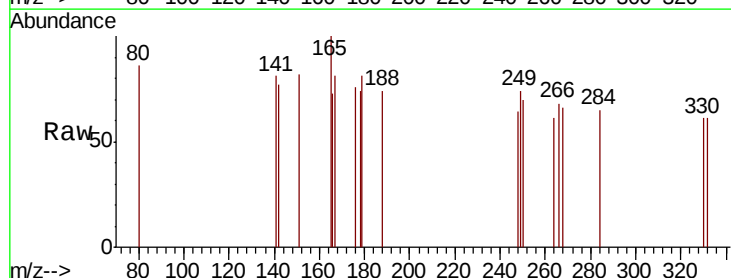
RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098449.D

Acq: 14 Dec 2018 23:21

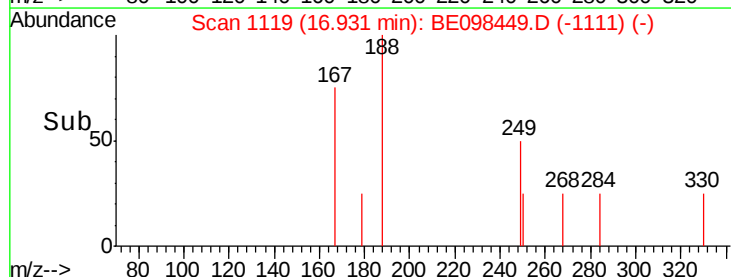
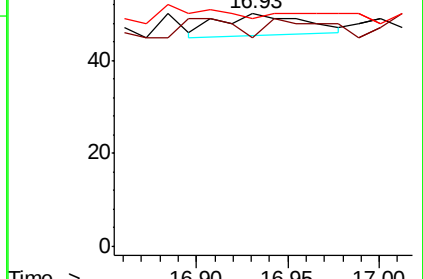
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 15    |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 90.0  | 59.0  | 88.4# |
| 268      | 98.0  | 55.1  | 82.7# |

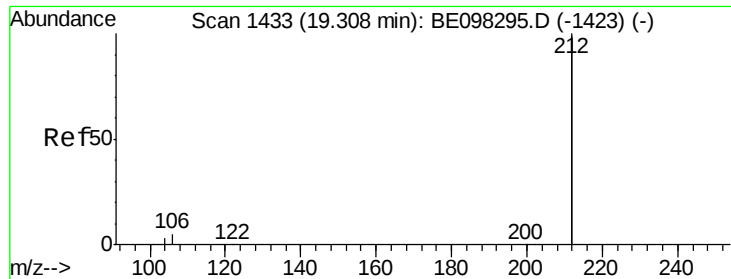


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.488 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE098449.D

Acq: 14 Dec 2018 23:21

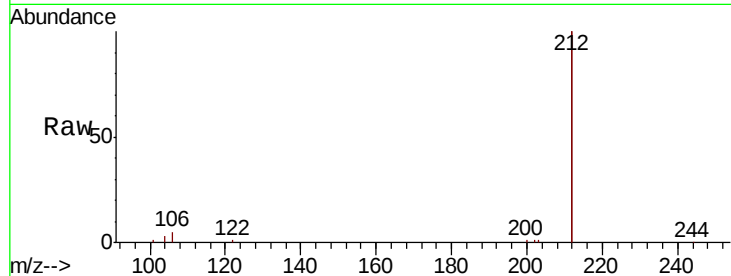
Instrument :

BNA\_G

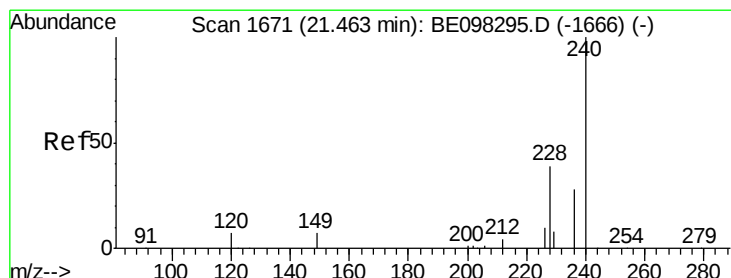
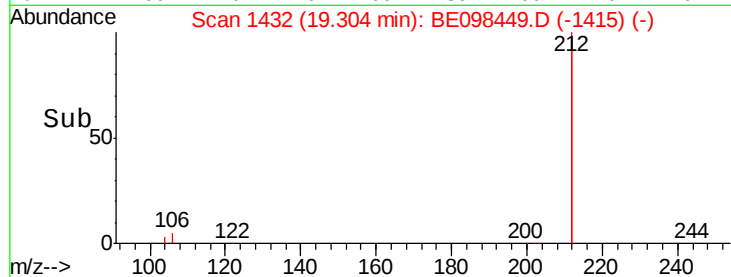
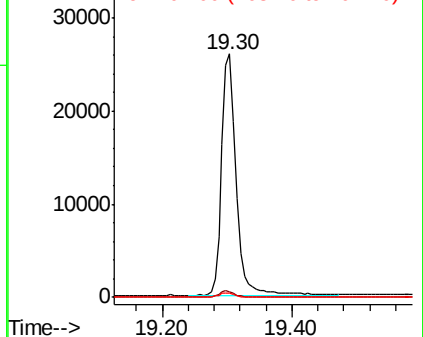
ClientSampleId :

BPS1-TT-MW309D-20181210

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 212   | Resp: | 40669 |
| Ion      | Ratio | Lower | Upper |
| 212      | 100   |       |       |
| 106      | 2.5   | 2.2   | 3.2   |
| 104      | 1.5   | 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

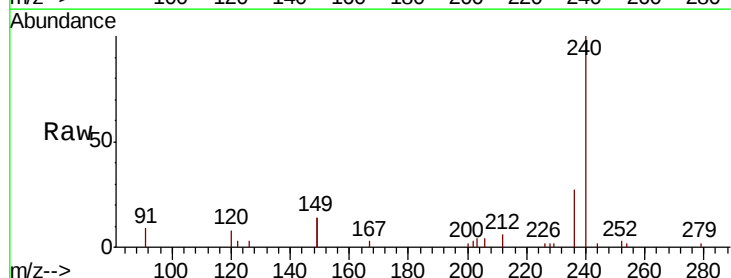
RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

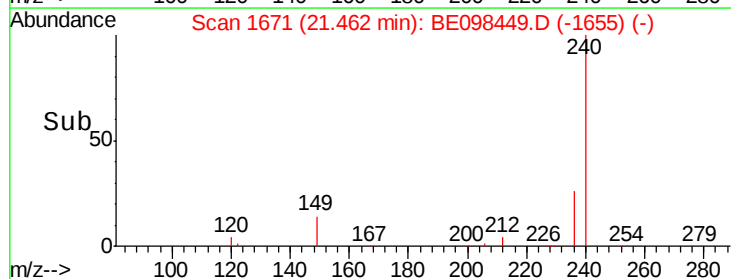
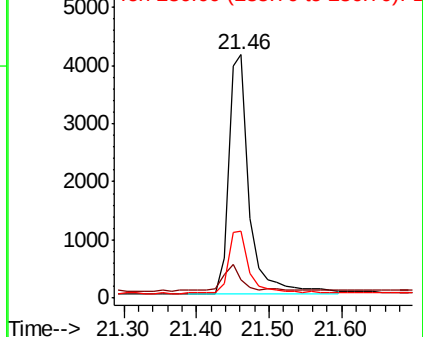
Lab File: BE098449.D

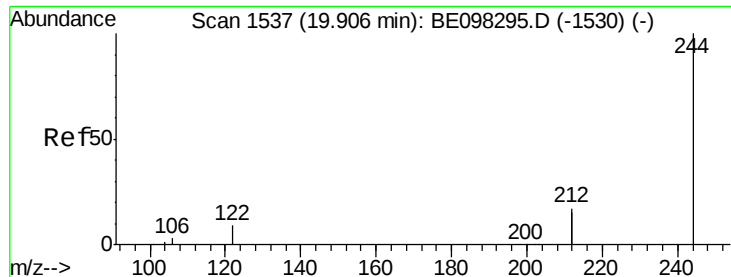
Acq: 14 Dec 2018 23:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 240   | Resp: | 8313  |
| Ion      | Ratio | Lower | Upper |
| 240      | 100   |       |       |
| 120      | 7.7   | 9.5   | 14.3# |
| 236      | 27.4  | 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: 0.391 ng

RT: 19.90 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098449.D

Acq: 14 Dec 2018 23:21

Instrument :

BNA\_G

ClientSampleId :

BPS1-TT-MW309D-20181210

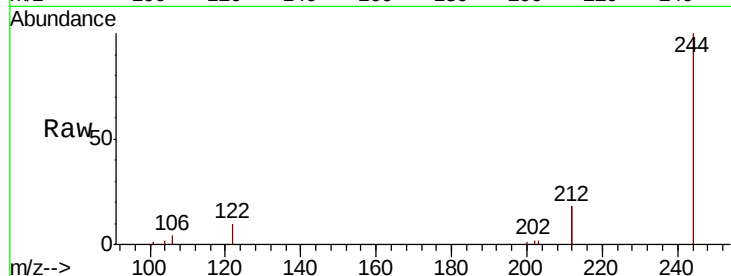
Tgt Ion:244 Resp: 7905

Ion Ratio Lower Upper

244 100

212 37.0 27.4 41.0

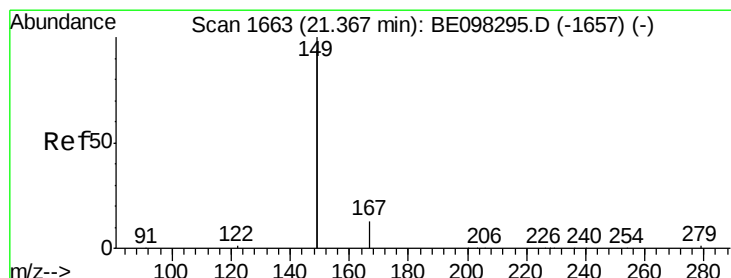
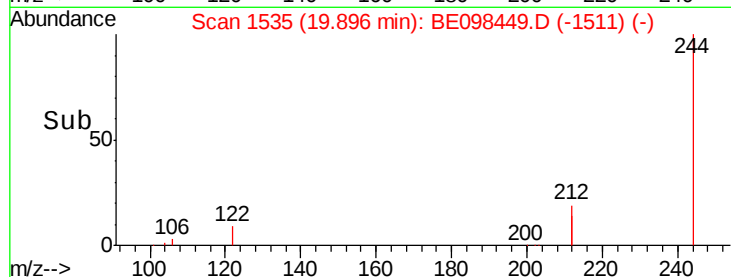
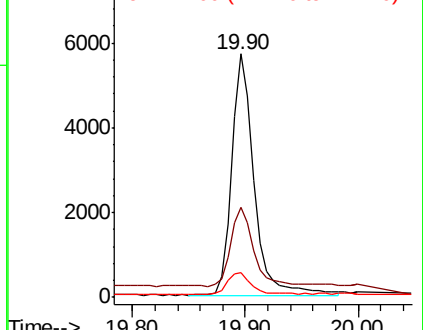
122 10.1 8.3 12.5



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.054 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098449.D

Acq: 14 Dec 2018 23:21

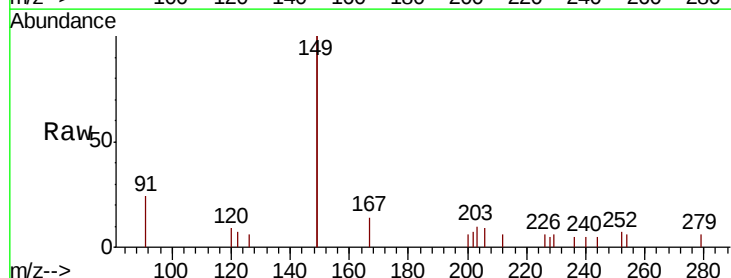
Tgt Ion:149 Resp: 2598

Ion Ratio Lower Upper

149 100

167 6.3 5.7 8.5

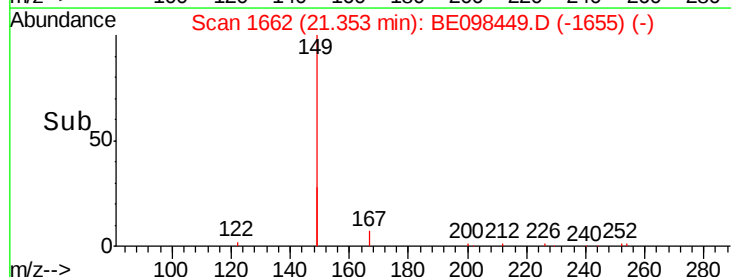
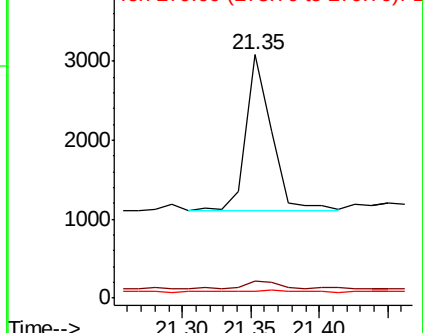
279 2.1 1.0 1.4#

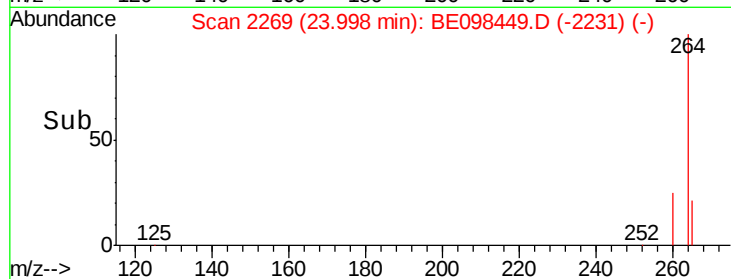
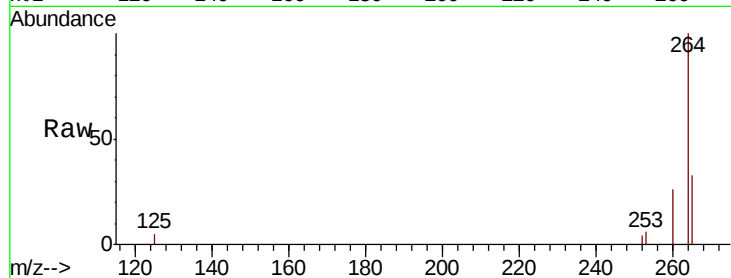
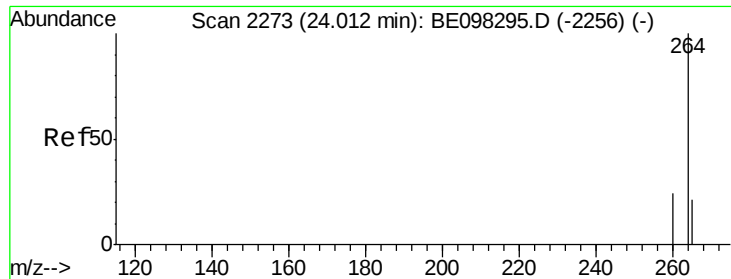


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 24.00 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BE098449.D

Acq: 14 Dec 2018 23:21

Instrument :

BNA\_G

ClientSampleId :

BPS1-TT-MW309D-20181210

Tgt Ion:264 Resp: 7959

Ion Ratio Lower Upper

264 100

260 26.1 20.2 30.2

265 33.5 25.2 37.8

