

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE121418\  
 Data File : BE098450.D  
 Acq On : 14 Dec 2018 00:00  
 Operator : SJ/JU  
 Sample : J6343-20  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW312S-20181210

Quant Time: Dec 15 02:44:18 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  | 977      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.65 | 136  | 3958     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.51 | 164  | 2502     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.27 | 188  | 6554     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.45 | 240  | 7455     | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 24.00 | 264  | 7214     | 0.40 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.45  | 112  | 565      | 0.25 | ng    | 0.00     |
| 5) Phenol-d6                | 7.04  | 99   | 509      | 0.16 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.03  | 82   | 1677     | 0.47 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10 | 12.25 | 152  | 3021     | 0.47 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol    | 16.02 | 330  | 766      | 0.83 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.15 | 172  | 5784     | 0.55 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.30 | 212  | 40550    | 0.48 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.89 | 244  | 9786     | 0.54 | ng    | -0.01    |

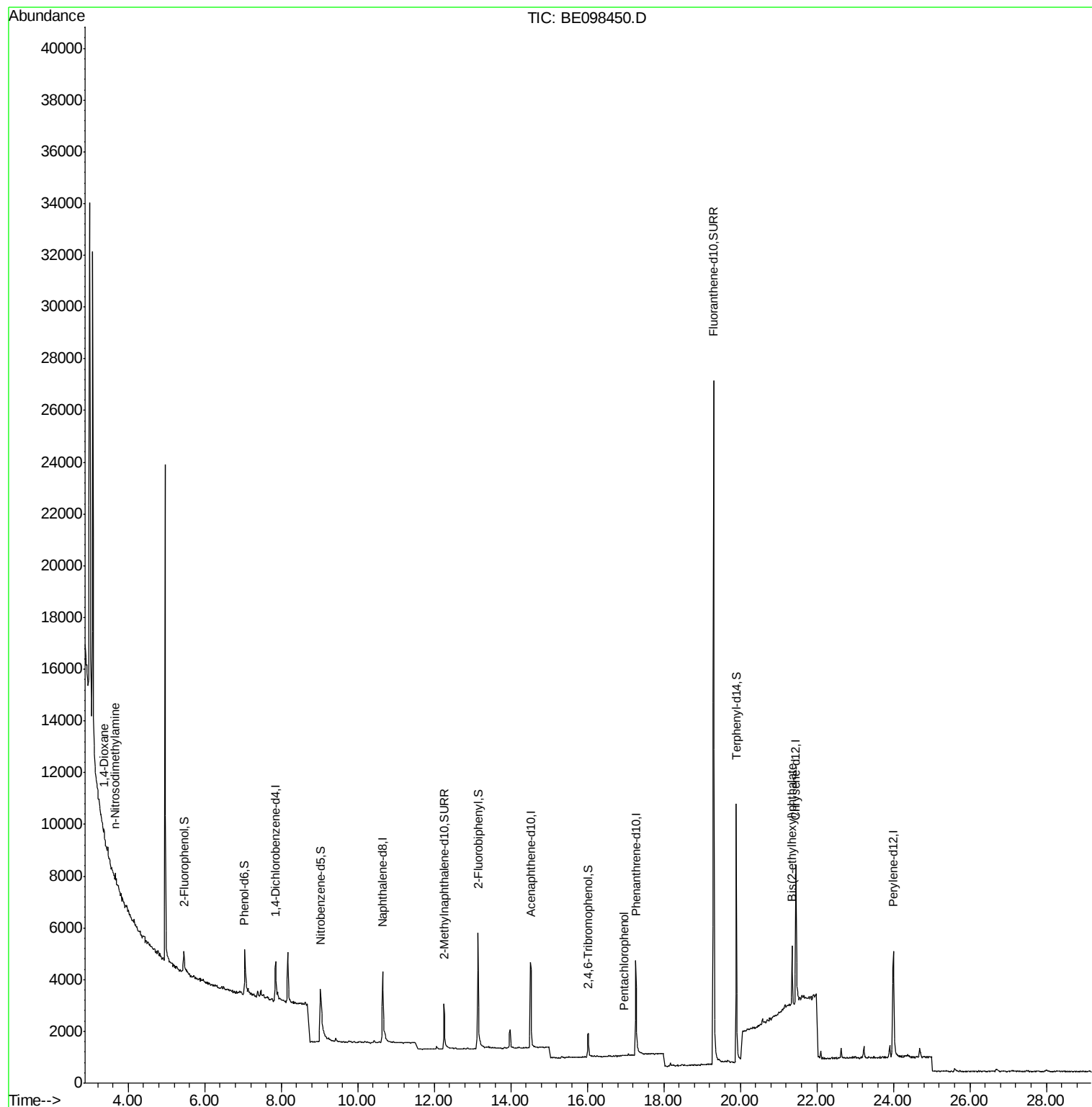
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.37  | 88   | 53       | 0.031 | ng    | # 1    |
| 3) n-Nitrosodimethylamine      | 3.66  | 42   | 95       | 0.062 | ng    | # 100  |
| 22) Pentachlorophenol          | 16.95 | 266  | 3        | 0.021 | ng    | # 74   |
| 32) Bis(2-ethylhexyl)phthalate | 21.35 | 149  | 2843     | 0.066 | ng    | # 93   |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 10 14:59:55 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE098450.D

Acq: 14 Dec 2018 00:00

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW312S-20181210

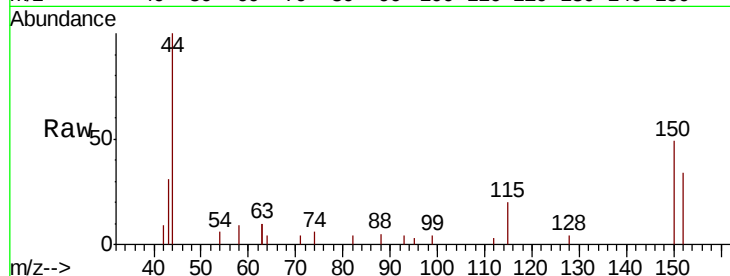
Tgt Ion: 152 Resp: 977

Ion Ratio Lower Upper

152 100

150 144.6 124.2 186.4

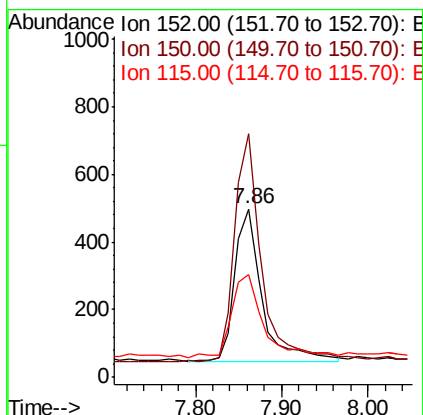
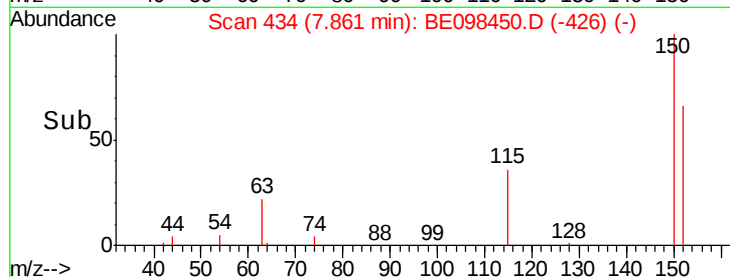
115 60.6 53.9 80.9



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: 0.031 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098450.D

Acq: 14 Dec 2018 00:00

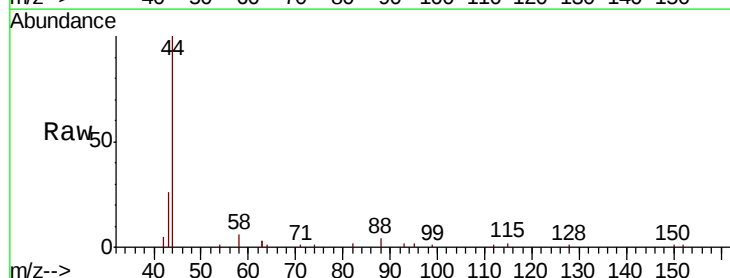
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

58 328.3 75.0 112.6#

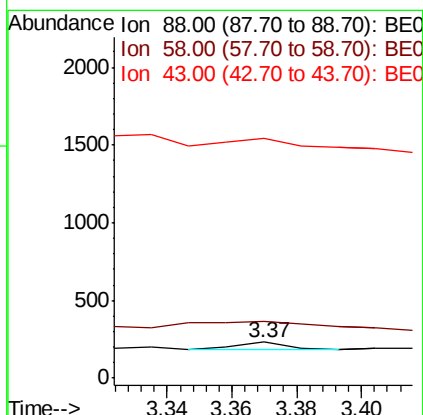
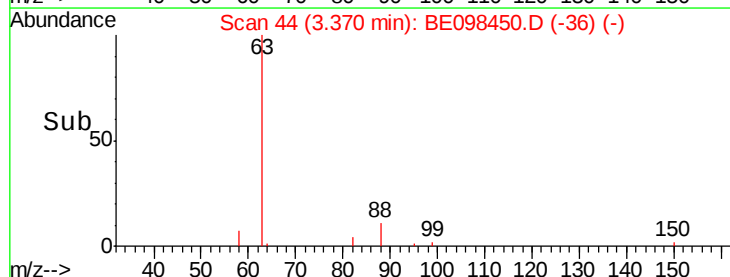
43 0.0 38.3 57.5#



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





#3

n-Nitrosodimethylamine

Concen: 0.062 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.04 min

Lab File: BE098450.D

Acq: 14 Dec 2018 00:00

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW312S-20181210

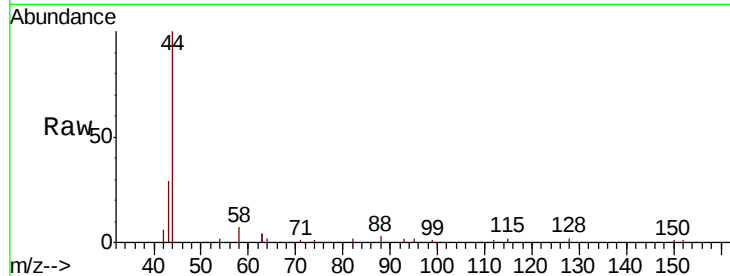
Tgt Ion: 42 Resp: 95

Ion Ratio Lower Upper

42 100

74 11.6 0.0 0.0#

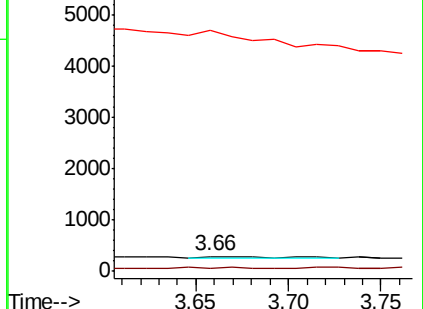
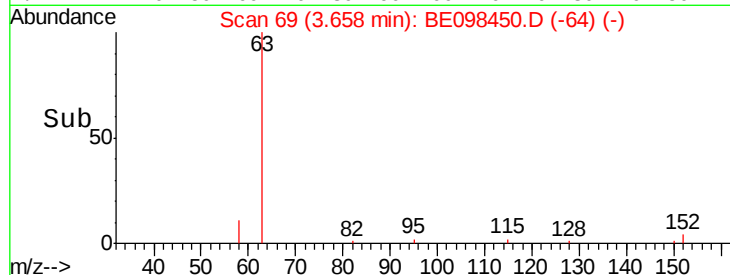
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.247 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098450.D

Acq: 14 Dec 2018 00:00

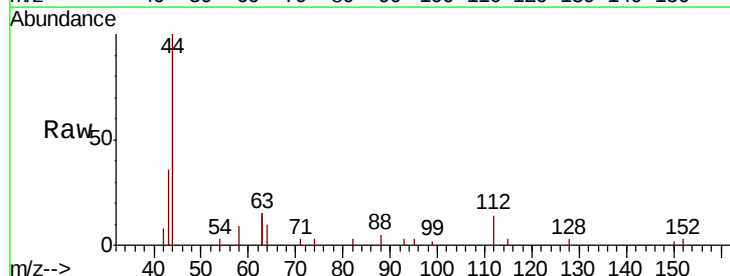
Tgt Ion: 112 Resp: 565

Ion Ratio Lower Upper

112 100

64 78.9 59.8 89.8

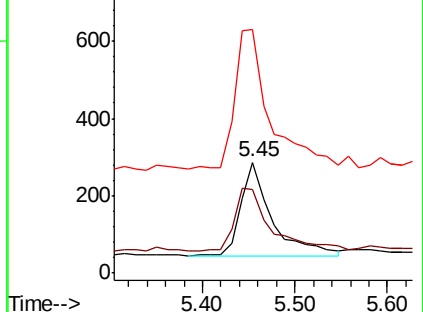
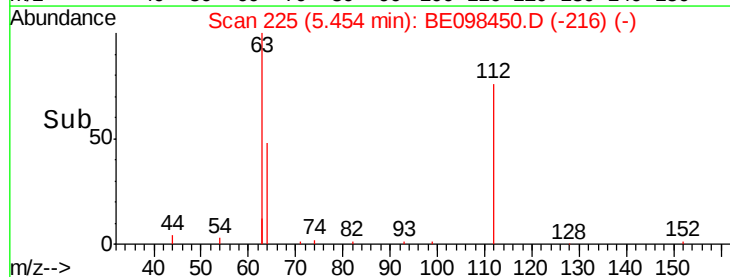
63 179.1 133.7 200.5

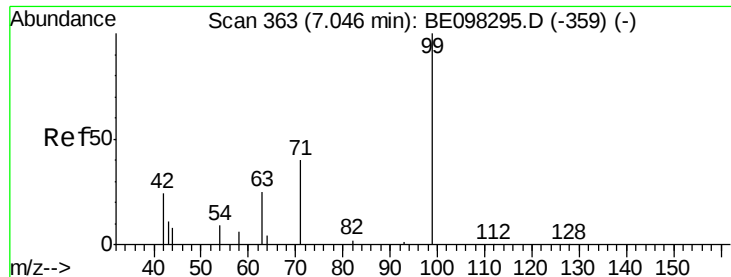


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.157 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098450.D

Acq: 14 Dec 2018 00:00

Instrument :

BNA\_E

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BPS1-TT-MW312S-20181210

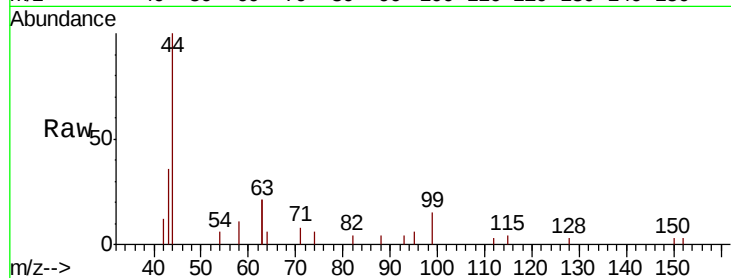
Tgt Ion: 99 Resp: 509

Ion Ratio Lower Upper

99 100

42 45.6 26.3 39.5#

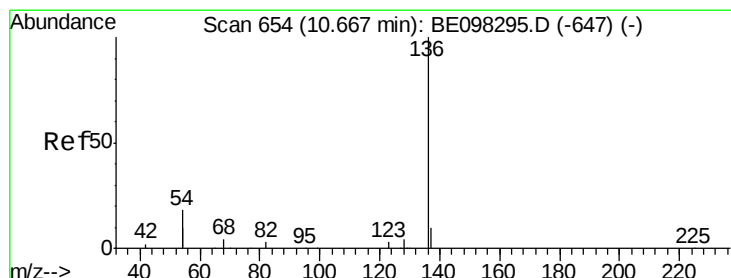
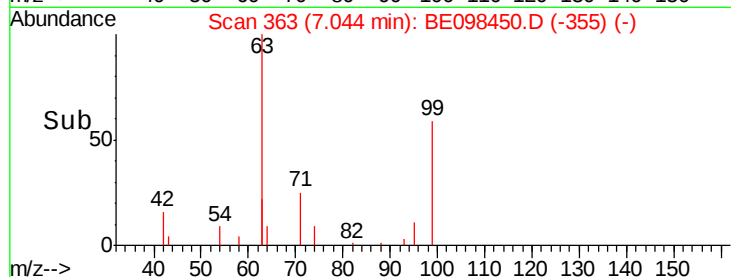
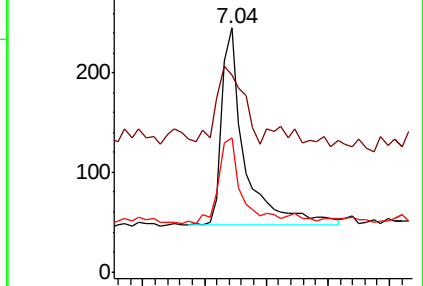
71 43.8 33.6 50.4



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: BE098450.D

Acq: 14 Dec 2018 00:00

Tgt Ion: 136 Resp: 3958

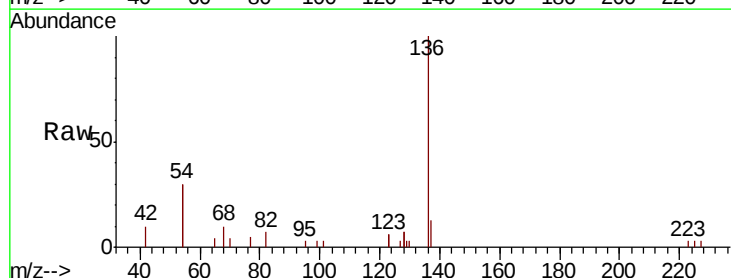
Ion Ratio Lower Upper

136 100

137 13.3 9.2 13.8

54 59.8 28.4 42.6#

68 9.8 5.4 8.0#

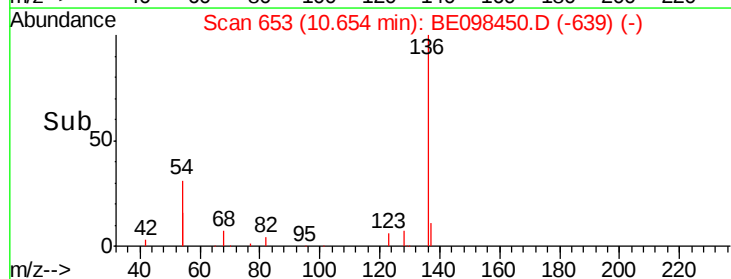
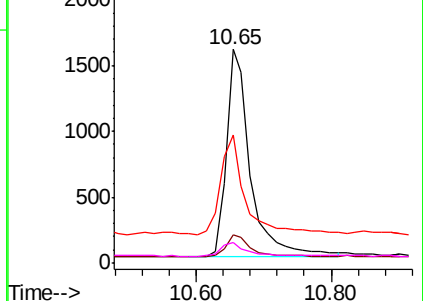


Abundance Ion 136.00 (135.70 to 136.70): E

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

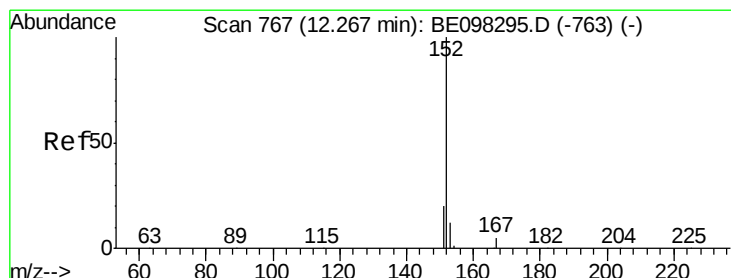
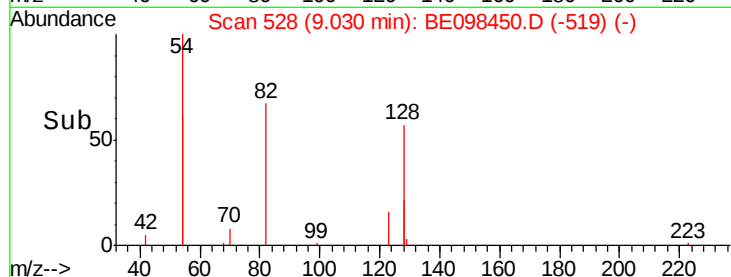
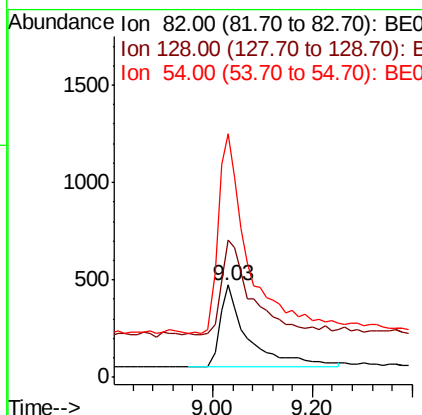
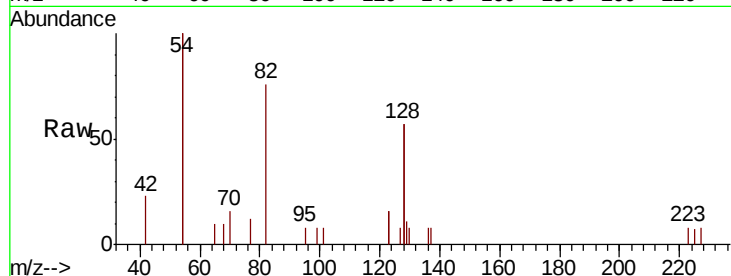




#8  
 Nitrobenzene-d5  
 Concen: 0.465 ng  
 RT: 9.03 min Scan# 528  
 Delta R.T. 0.01 min  
 Lab File: BE098450.D  
 Acq: 14 Dec 2018 00:00

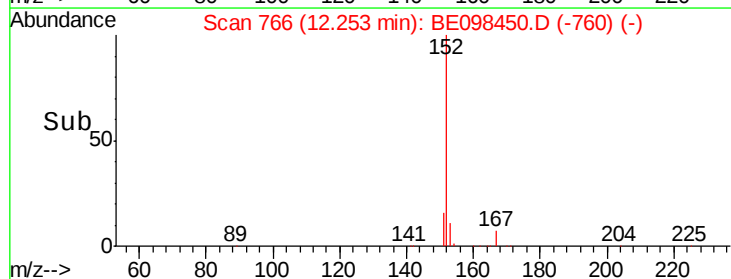
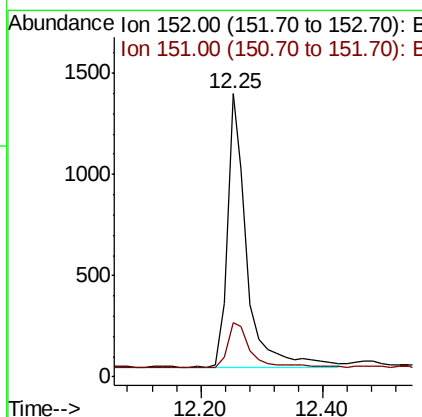
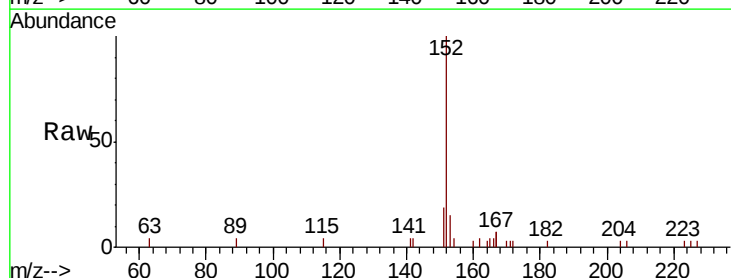
Instrument :  
 BNA\_E  
 ClientSampleId :  
 BPS1-TT-MW312S-20181210

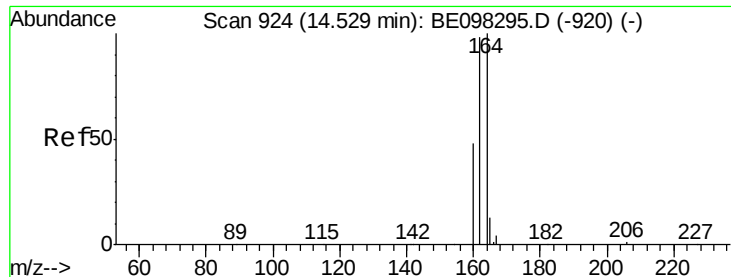
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 149.7 | 102.4 | 153.6 |
| 54      | 264.3 | 221.8 | 332.8 |



#11  
 2-Methylnaphthalene-d10  
 Concen: 0.469 ng  
 RT: 12.25 min Scan# 766  
 Delta R.T. -0.01 min  
 Lab File: BE098450.D  
 Acq: 14 Dec 2018 00:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.6  | 16.2  | 24.4  |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098450.D

Acq: 14 Dec 2018 00:00

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW312S-20181210

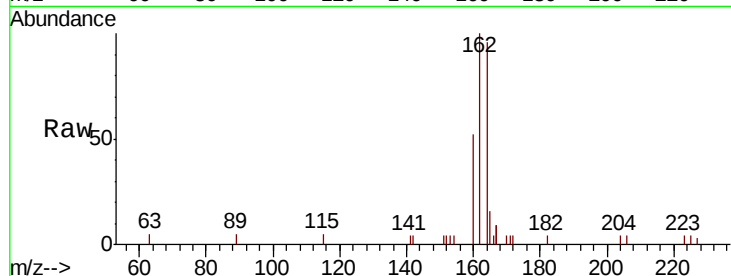
Tgt Ion:164 Resp: 2502

Ion Ratio Lower Upper

164 100

162 104.6 77.6 116.4

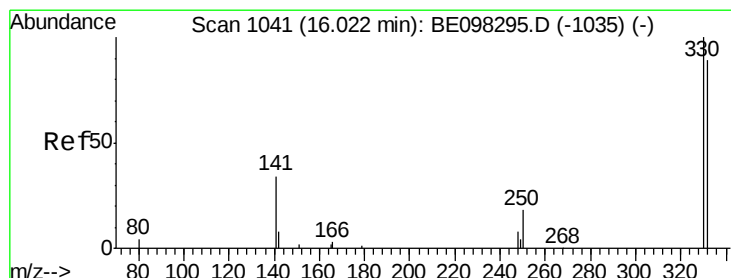
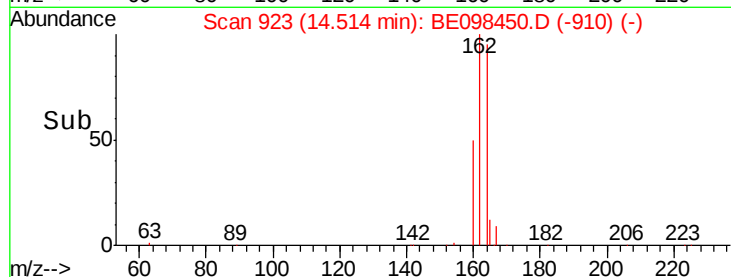
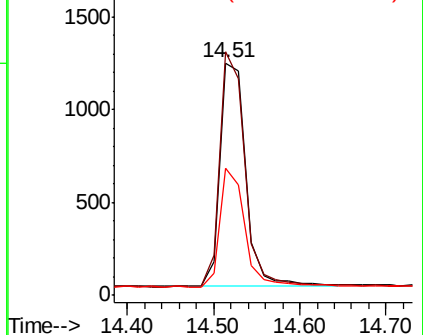
160 54.4 36.0 54.0#



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: 0.834 ng

RT: 16.02 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BE098450.D

Acq: 14 Dec 2018 00:00

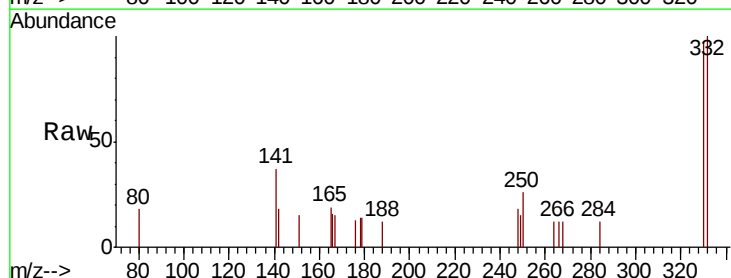
Tgt Ion:330 Resp: 766

Ion Ratio Lower Upper

330 100

332 99.0 76.2 114.4

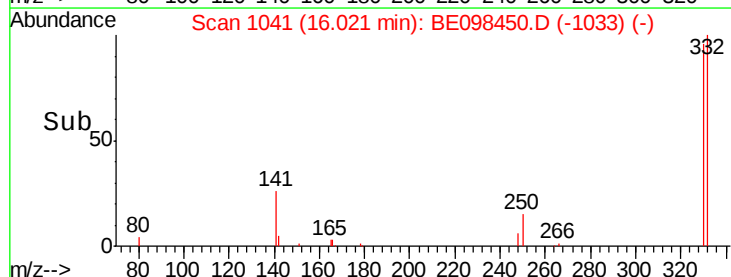
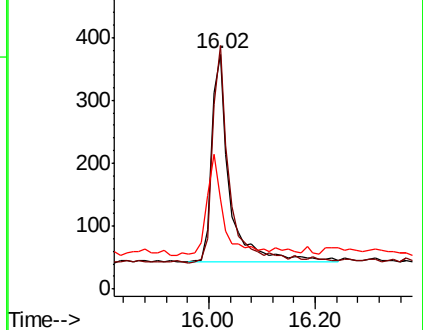
141 45.0 39.0 58.4

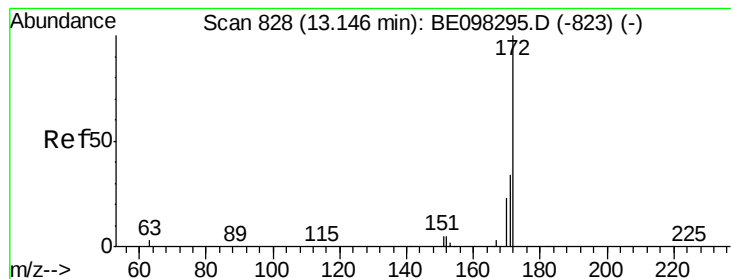


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.548 ng

RT: 13.15 min Scan# 828

Delta R.T. 0.00 min

Lab File: BE098450.D

Acq: 14 Dec 2018 00:00

Instrument :

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ClientSampleId :

BPS1-TT-MW312S-20181210

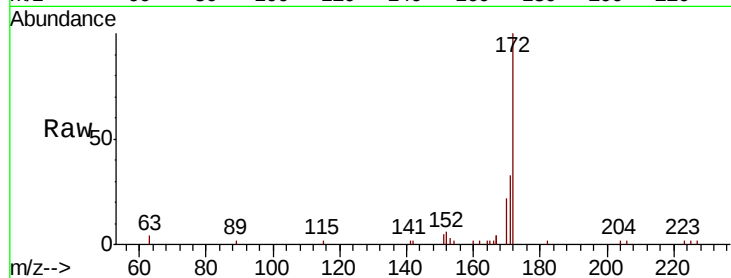
Tgt Ion:172 Resp: 5784

Ion Ratio Lower Upper

172 100

171 33.1 27.5 41.3

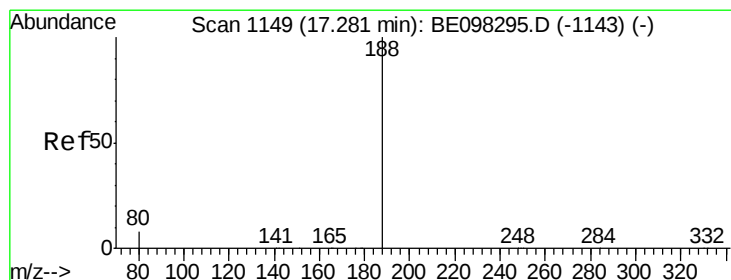
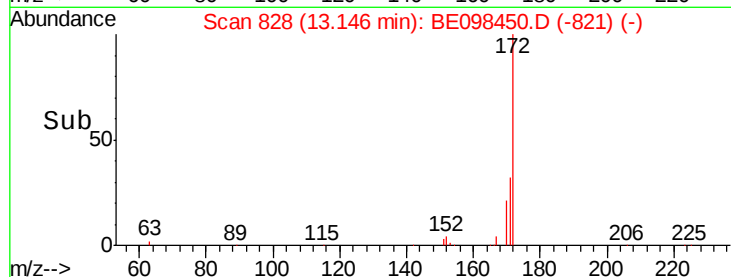
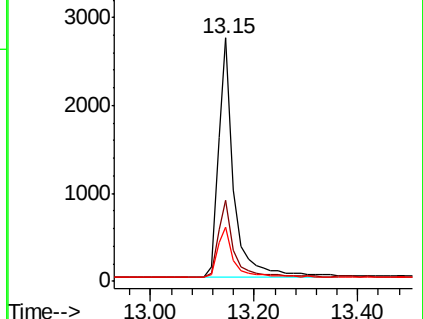
170 22.1 19.6 29.4



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: BE098450.D

Acq: 14 Dec 2018 00:00

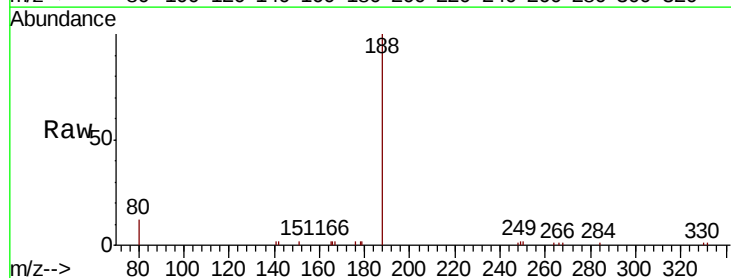
Tgt Ion:188 Resp: 6554

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

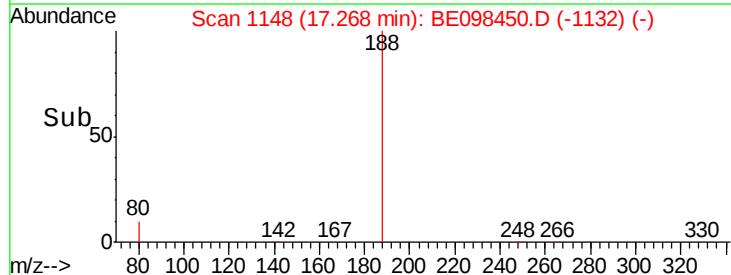
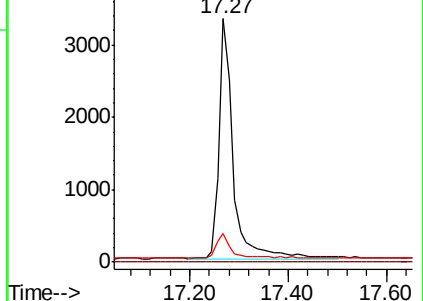
80 11.6 7.2 10.8#

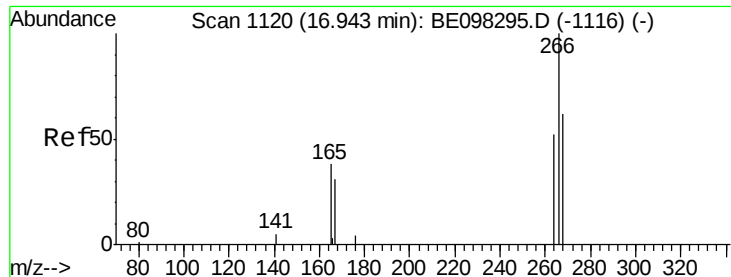


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

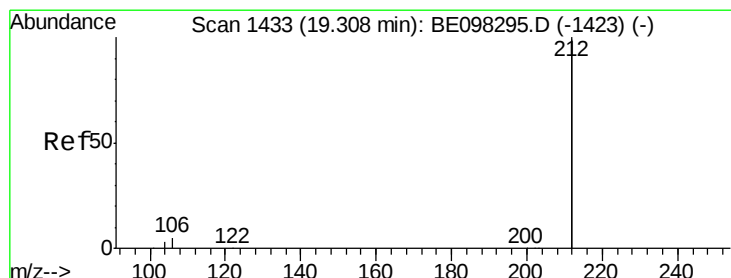
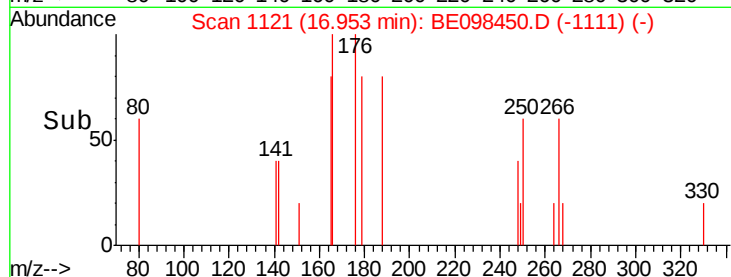
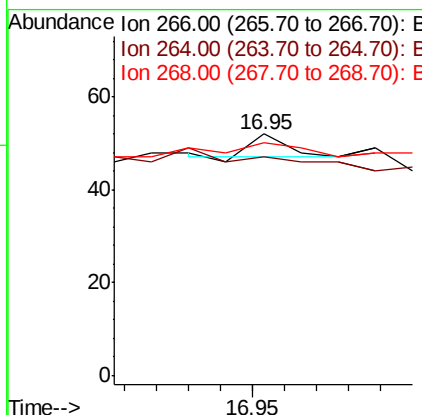
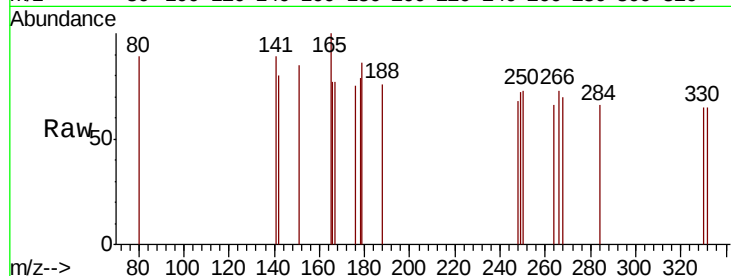




#22  
 Pentachlorophenol  
 Concen: 0.021 ng  
 RT: 16.95 min Scan# 1121  
 Delta R.T. 0.01 min  
 Lab File: BE098450.D  
 Acq: 14 Dec 2018 00:00

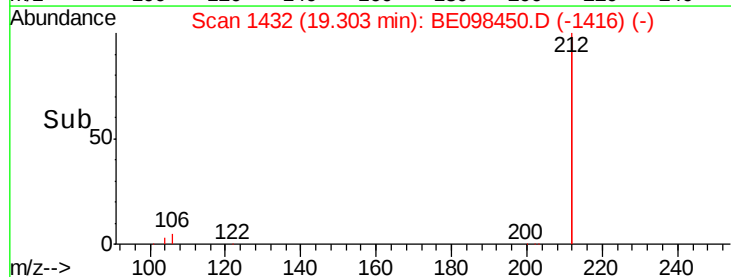
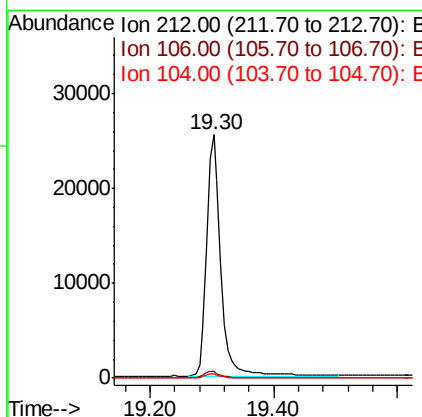
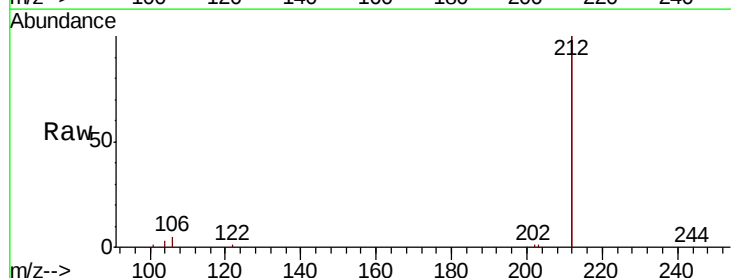
Instrument :  
 BNA\_E  
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 BPS1-TT-MW312S-20181210

Tgt Ion:266 Resp: 3  
 Ion Ratio Lower Upper  
 266 100  
 264 90.4 59.0 88.4#  
 268 96.2 55.1 82.7#



#25  
 Fluoranthene-d10  
 Concen: 0.482 ng  
 RT: 19.30 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BE098450.D  
 Acq: 14 Dec 2018 00:00

Tgt Ion:212 Resp: 40550  
 Ion Ratio Lower Upper  
 212 100  
 106 2.5 2.2 3.2  
 104 1.5 1.3 1.9





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE098450.D

Acq: 14 Dec 2018 00:00

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW312S-20181210

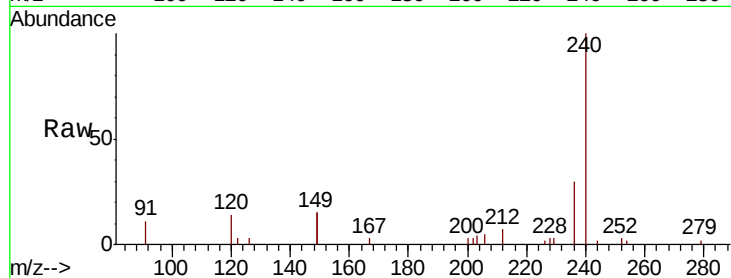
Tgt Ion:240 Resp: 7455

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3

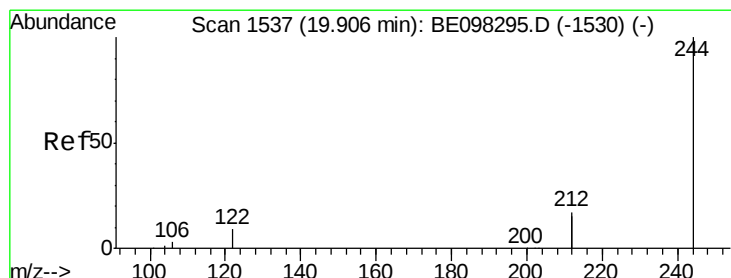
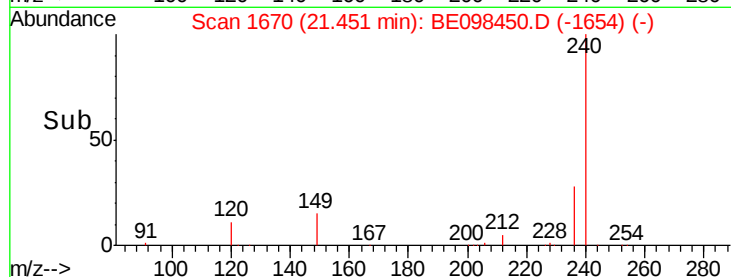
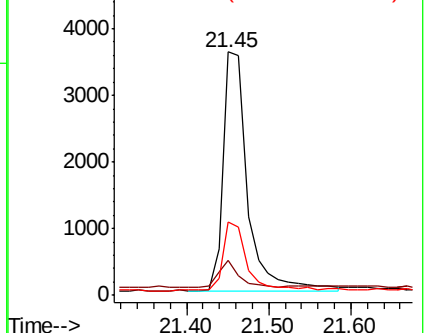
236 30.1 22.7 34.1



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: 0.540 ng

RT: 19.89 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098450.D

Acq: 14 Dec 2018 00:00

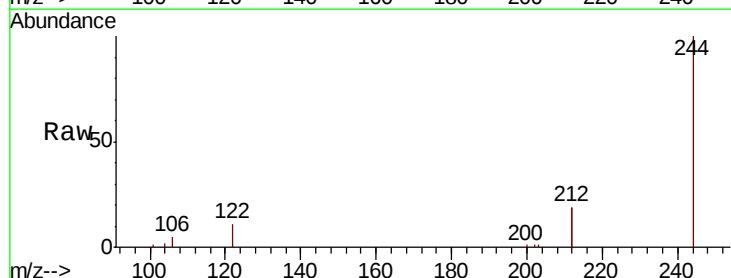
Tgt Ion:244 Resp: 9786

Ion Ratio Lower Upper

244 100

212 37.0 27.4 41.0

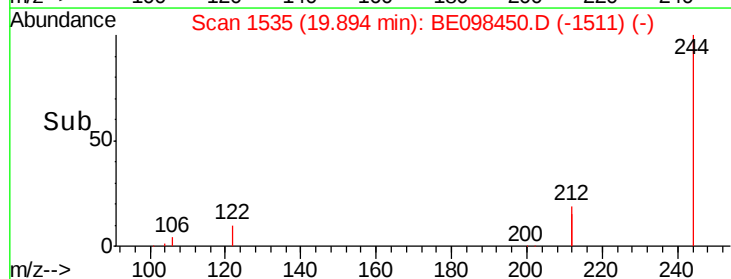
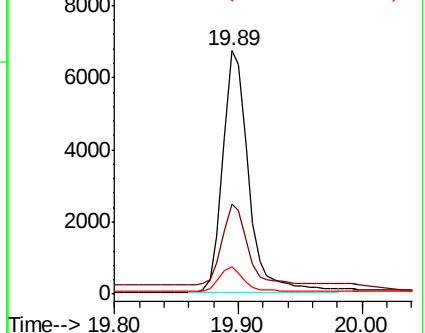
122 11.2 8.3 12.5



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: 0.066 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098450.D

Acq: 14 Dec 2018 00:00

Instrument :

BNA\_E

ClientSampleId :

BPS1-TT-MW312S-20181210

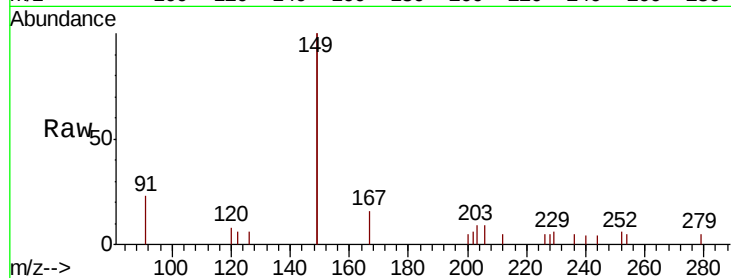
Tgt Ion:149 Resp: 2843

Ion Ratio Lower Upper

149 100

167 9.7 5.7 8.5#

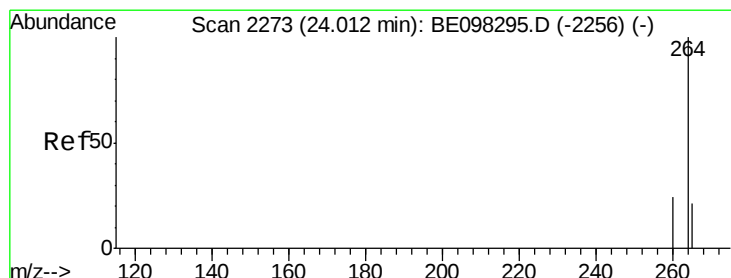
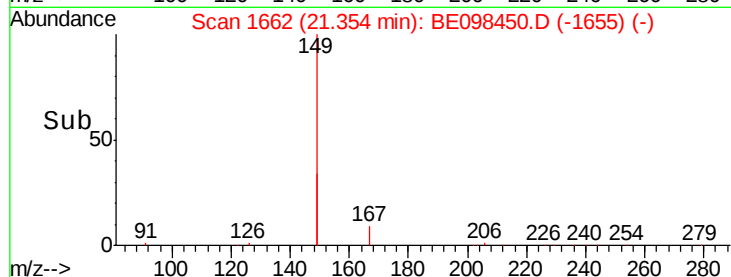
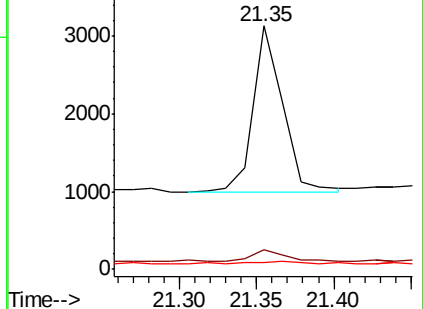
279 1.9 1.0 1.4#



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: BE098450.D

Acq: 14 Dec 2018 00:00

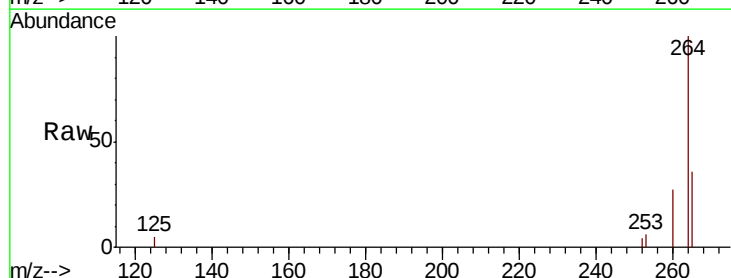
Tgt Ion:264 Resp: 7214

Ion Ratio Lower Upper

264 100

260 27.1 20.2 30.2

265 35.9 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

