

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\  
 Data File : BE098321.D  
 Acq On : 11 Dec 2018 5:52  
 Operator : SJ/JU  
 Sample : J6250-14  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

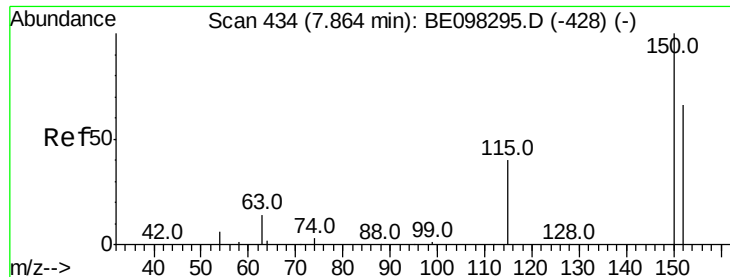
Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-DUP01-20181204

Quant Time: Dec 11 07:27:51 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  | 1290     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.67 | 136  | 5452     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.53 | 164  | 3558     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.28 | 188  | 9084     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.46 | 240  | 11646    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 24.01 | 264  | 11318    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.45  | 112  | 460      | 0.15  | ng    | 0.00     |
| 5) Phenol-d6                   | 7.04  | 99   | 334      | 0.08  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 9.03  | 82   | 1760     | 0.35  | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10    | 12.27 | 152  | 3321     | 0.37  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 16.02 | 330  | 471      | 0.36  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.15 | 172  | 7066     | 0.47  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.31 | 212  | 54261    | 0.47  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.90 | 244  | 11100    | 0.39  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 32) Bis(2-ethylhexyl)phthalate | 21.37 | 149  | 3202     | 0.048 | ng    | # 98     |

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



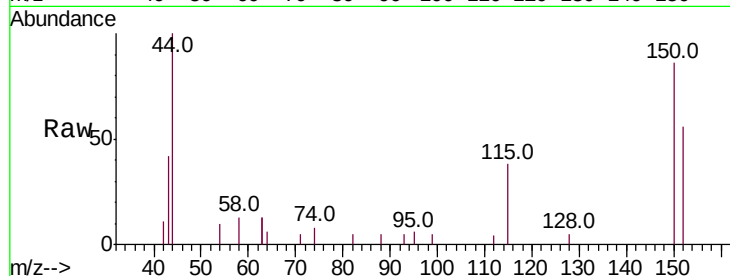


#1

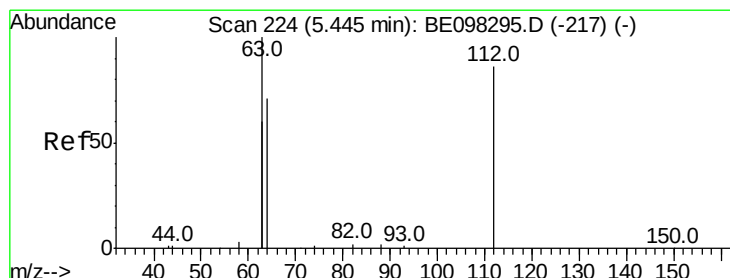
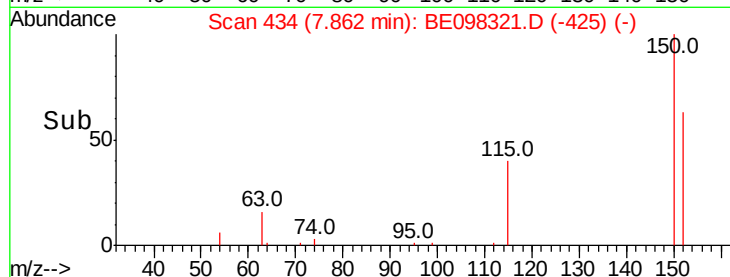
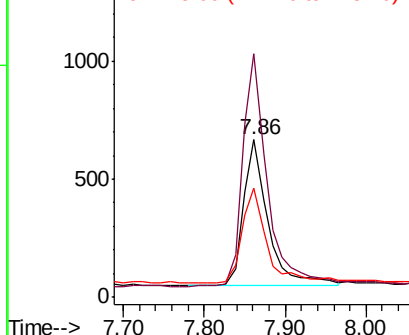
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BE098321.D  
Acq: 11 Dec 2018 5:52

Instrument :  
BNA\_E  
ClientSampleId :  
BP-DUP01-20181204

Tot Ion:152 Resp: 1290  
Ion Ratio Lower Upper  
152 100  
150 154.8 124.2 186.4  
115 69.1 53.9 80.9



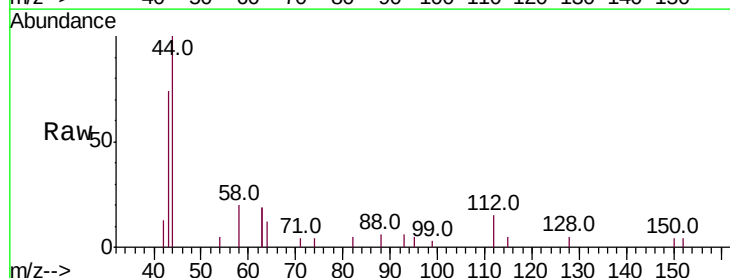
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



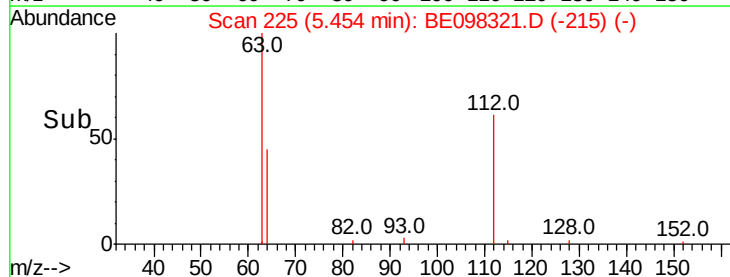
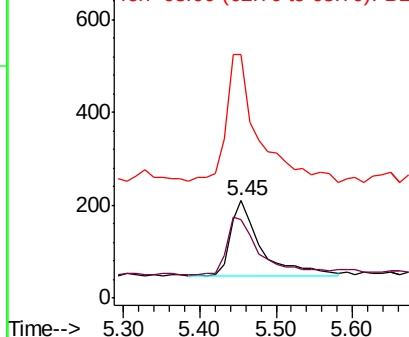
#4

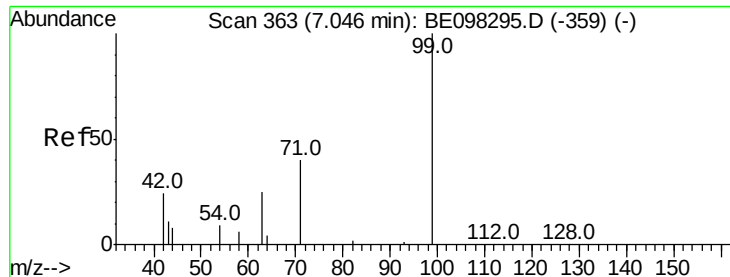
2-Fluorophenol  
Concen: 0.152 ng  
RT: 5.45 min Scan# 225  
Delta R.T. 0.01 min  
Lab File: BE098321.D  
Acq: 11 Dec 2018 5:52

Tgt Ion:112 Resp: 460  
Ion Ratio Lower Upper  
112 100  
64 85.7 59.8 89.8  
63 173.5 133.7 200.5



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: 0.078 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098321.D

Acq: 11 Dec 2018 5:52

Instrument :

BNA\_E

ClientSampleId :

BP-DUP01-20181204

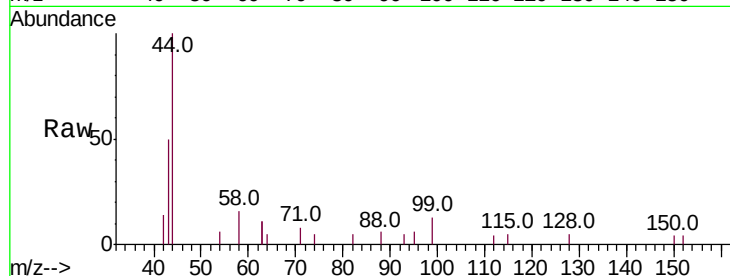
Tot Ion: 99 Resp: 334

Ion Ratio Lower Upper

99 100

42 26.3 26.3 39.5

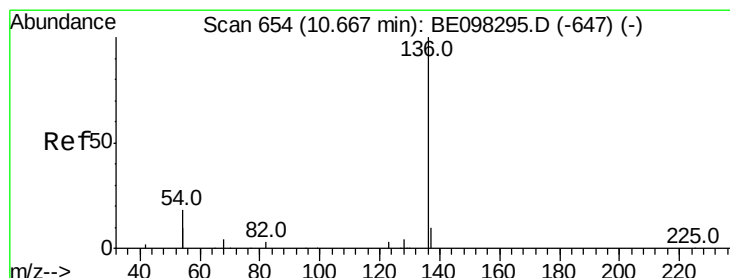
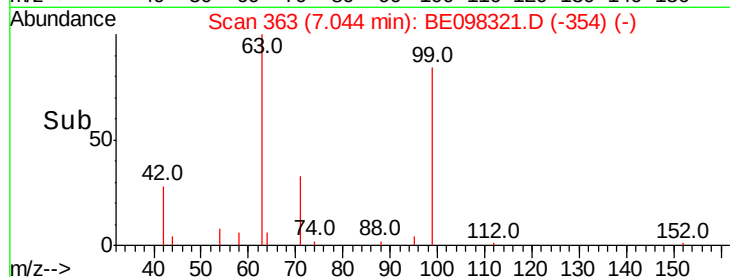
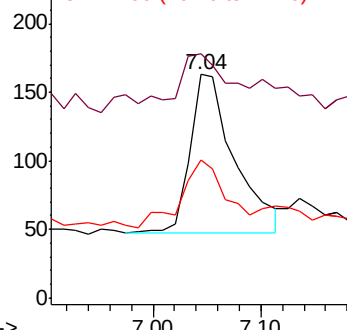
71 42.8 33.6 50.4



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: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098321.D

Acq: 11 Dec 2018 5:52

Tgt Ion: 136 Resp: 5452

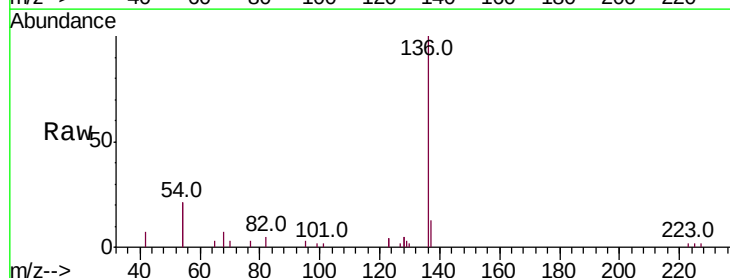
Ion Ratio Lower Upper

136 100

137 13.1 9.2 13.8

54 42.2 28.4 42.6

68 7.4 5.4 8.0

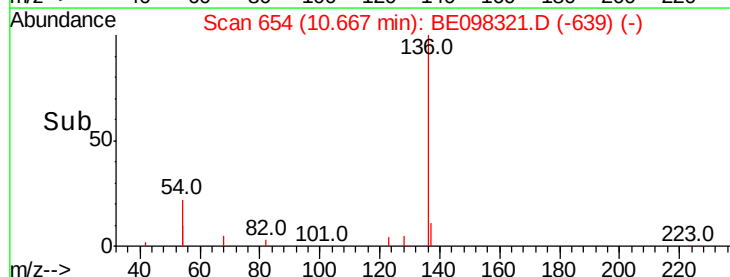
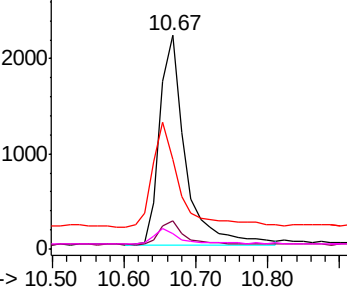


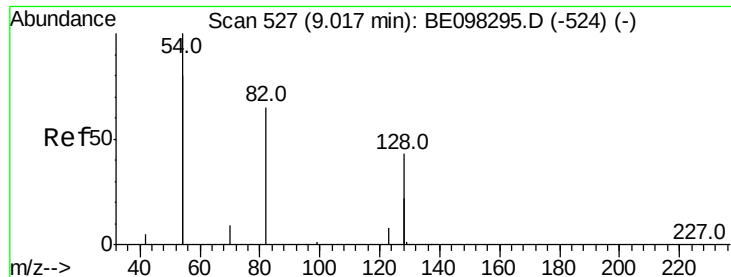
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.355 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098321.D

Acq: 11 Dec 2018 5:52

Instrument :

BNA\_E

ClientSampleId :

BP-DUP01-20181204

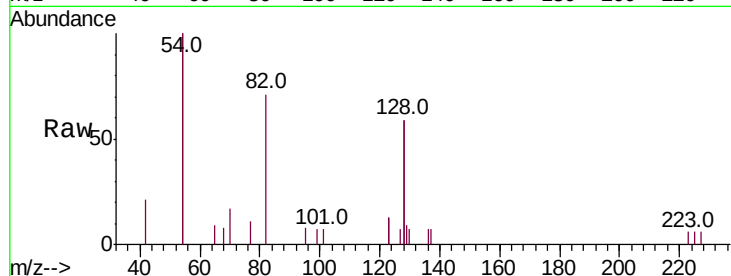
Tot Ion: 82 Resp: 1760

Ion Ratio Lower Upper

82 100

128 164.8 102.4 153.6#

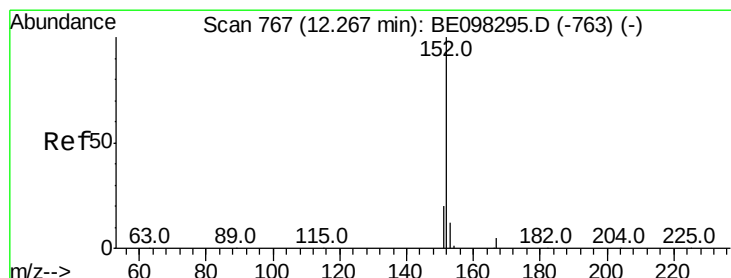
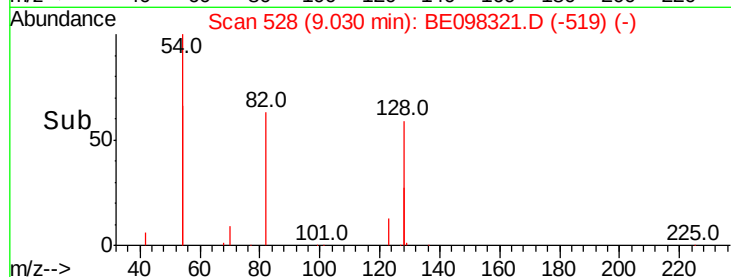
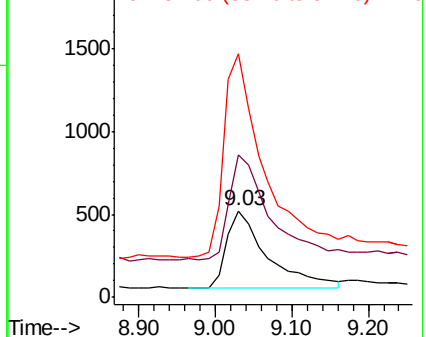
54 280.7 221.8 332.8



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.375 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098321.D

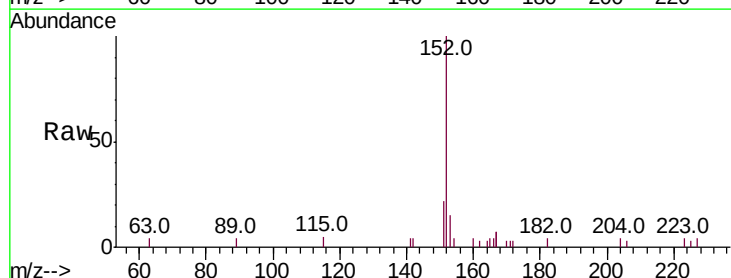
Acq: 11 Dec 2018 5:52

Tgt Ion: 152 Resp: 3321

Ion Ratio Lower Upper

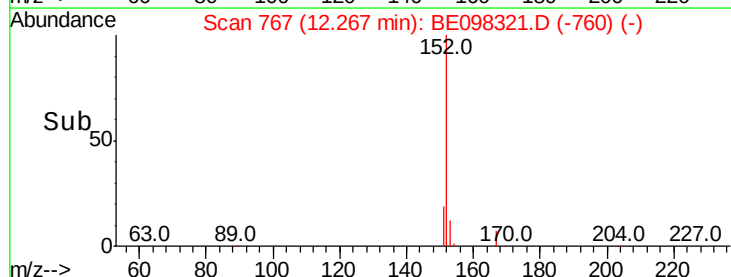
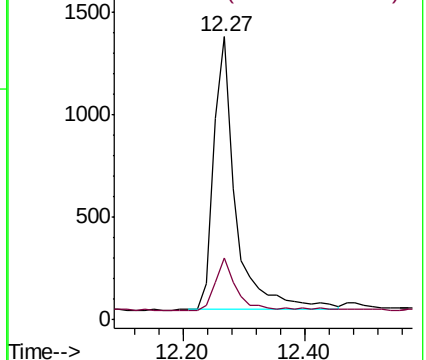
152 100

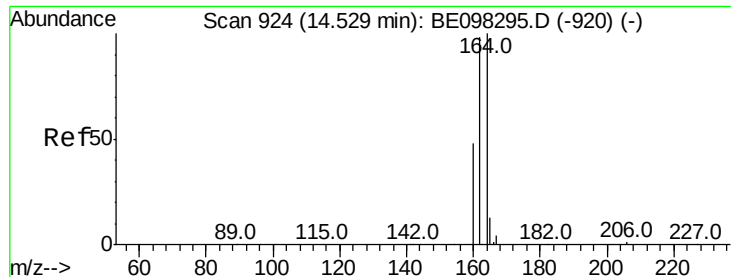
151 18.3 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

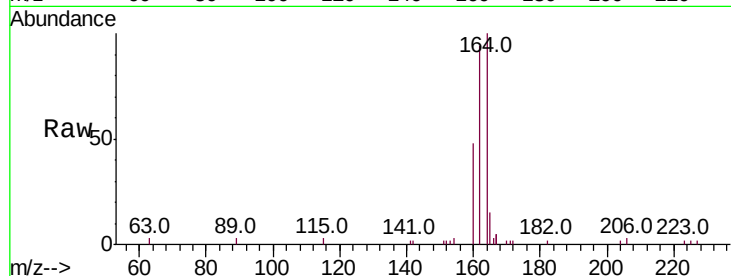




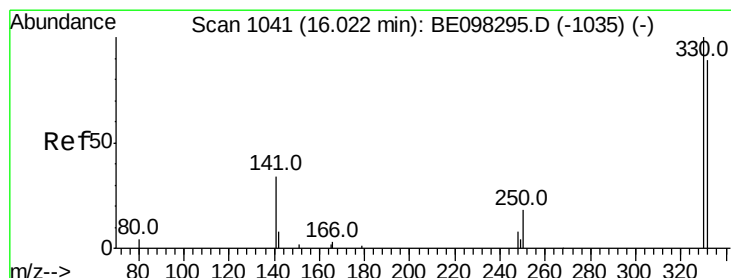
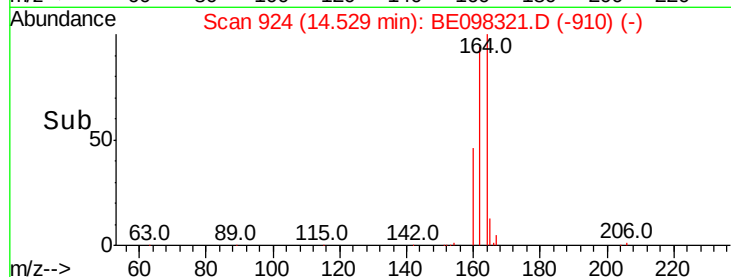
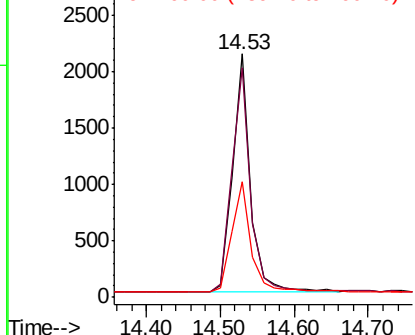
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.53 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: BE098321.D  
Acq: 11 Dec 2018 5:52

Instrument :  
BNA\_E  
ClientSampleId :  
BP-DUP01-20181204

Tot Ion:164 Resp: 3558  
Ion Ratio Lower Upper  
164 100  
162 94.4 77.6 116.4  
160 47.5 36.0 54.0

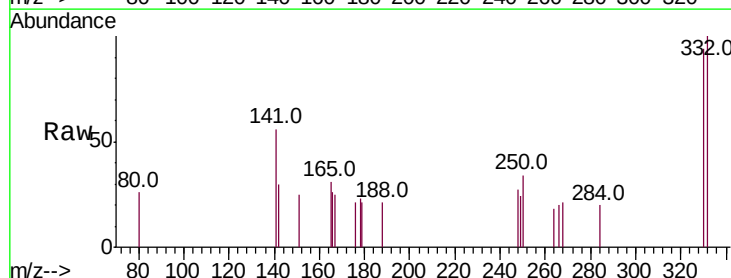


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

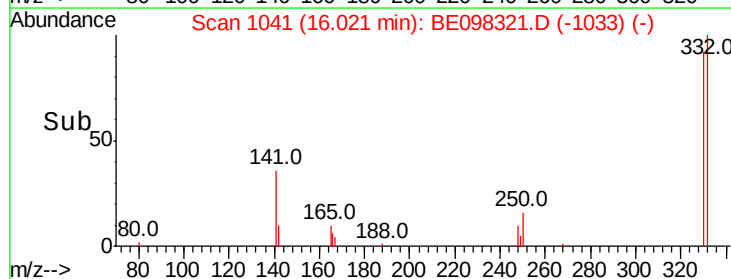
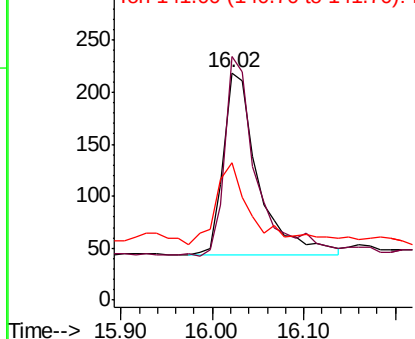


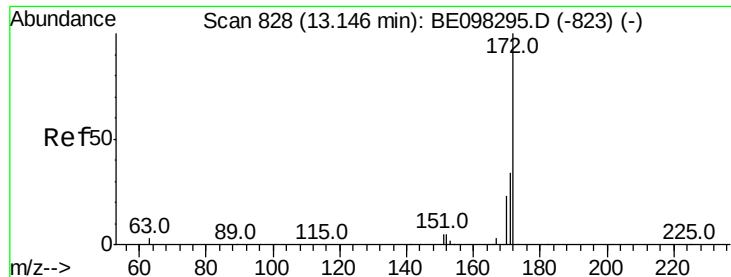
#14  
2,4,6-Tribromophenol  
Concen: 0.361 ng  
RT: 16.02 min Scan# 1041  
Delta R.T. -0.00 min  
Lab File: BE098321.D  
Acq: 11 Dec 2018 5:52

Tgt Ion:330 Resp: 471  
Ion Ratio Lower Upper  
330 100  
332 97.7 76.2 114.4  
141 41.6 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

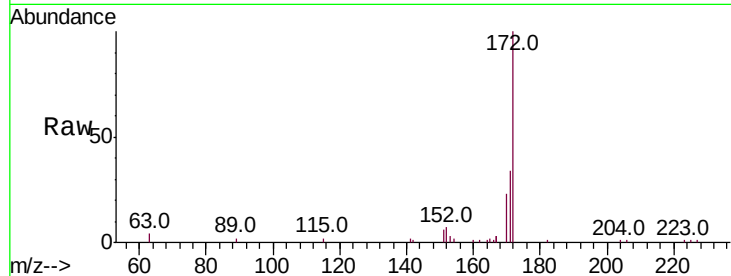




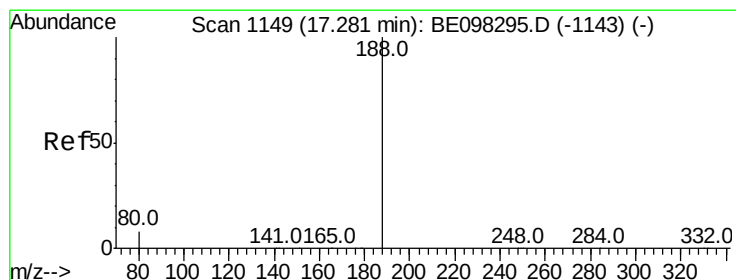
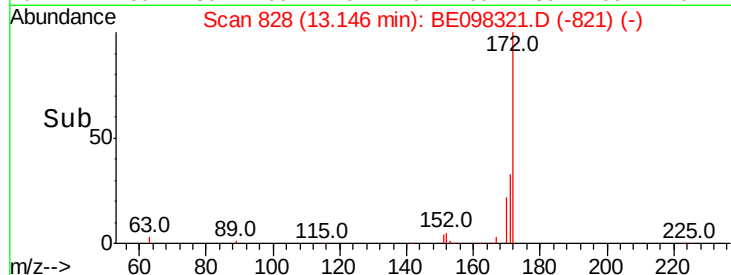
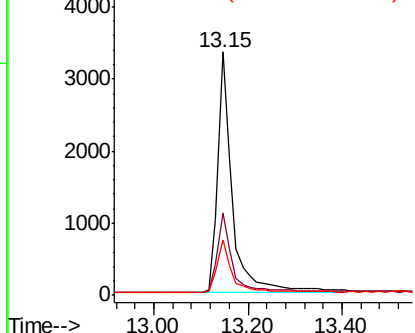
#15  
2-Fluorobiphenyl  
Concen: 0.471 ng  
RT: 13.15 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BE098321.D  
Acq: 11 Dec 2018 5:52

Instrument :  
BNA\_E  
ClientSampleId :  
BP-DUP01-20181204

Tot Ion:172 Resp: 7066  
Ion Ratio Lower Upper  
172 100  
171 33.8 27.5 41.3  
170 23.0 19.6 29.4

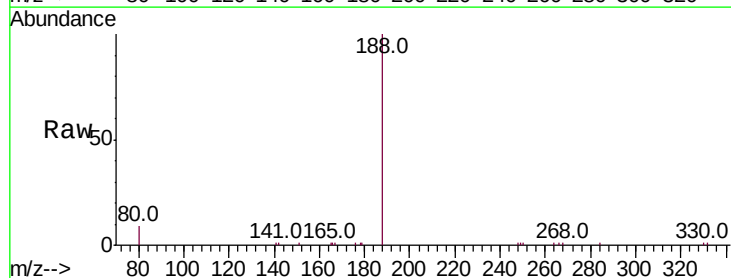


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

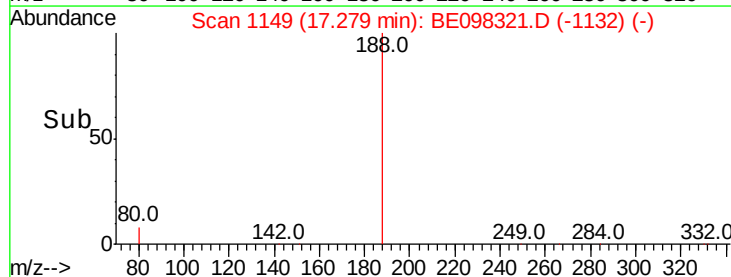
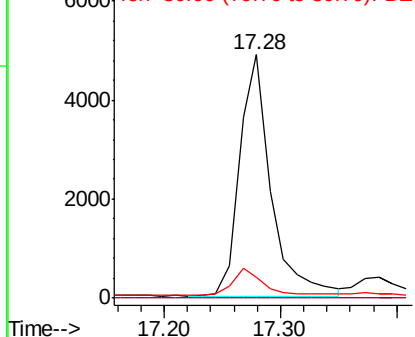


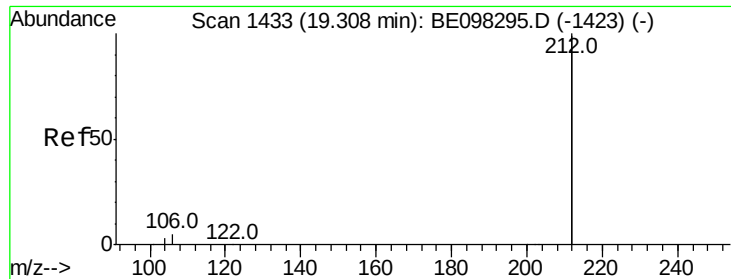
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.28 min Scan# 1149  
Delta R.T. -0.00 min  
Lab File: BE098321.D  
Acq: 11 Dec 2018 5:52

Tgt Ion:188 Resp: 9084  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.8 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: 0.466 ng

RT: 19.31 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE098321.D

Acq: 11 Dec 2018 5:52

Instrument :

BNA\_E

ClientSampleId :

BP-DUP01-20181204

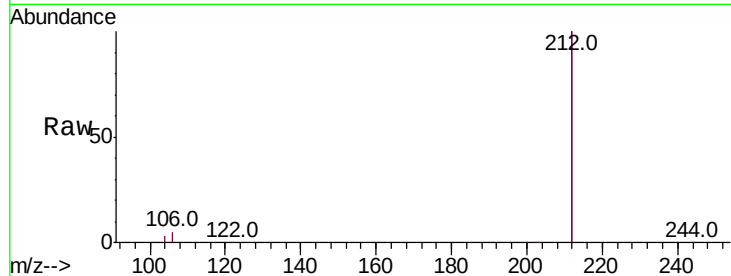
Tot Ion:212 Resp: 54261

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

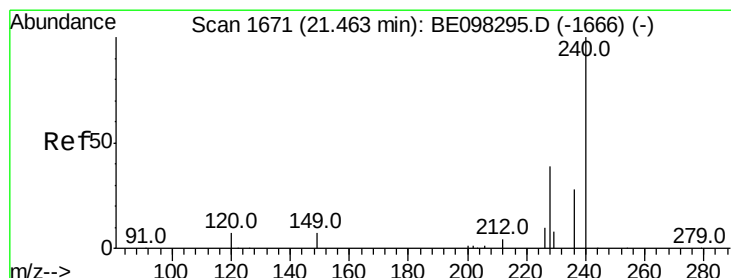
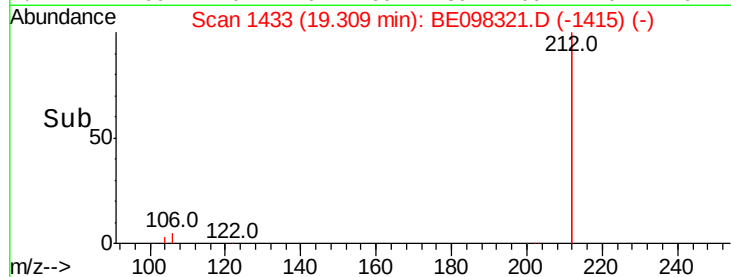
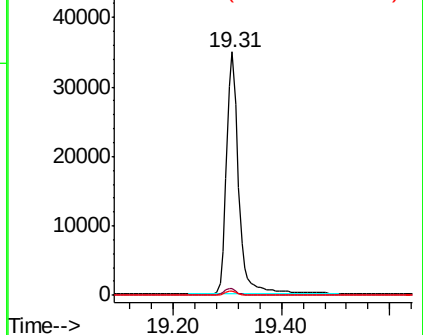
104 1.6 1.3 1.9



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: BE098321.D

Acq: 11 Dec 2018 5:52

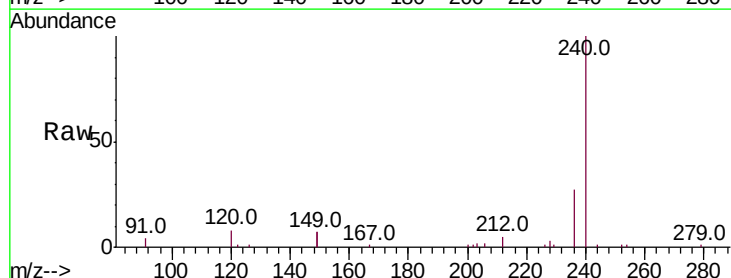
Tgt Ion:240 Resp: 11646

Ion Ratio Lower Upper

240 100

120 8.5 9.5 14.3#

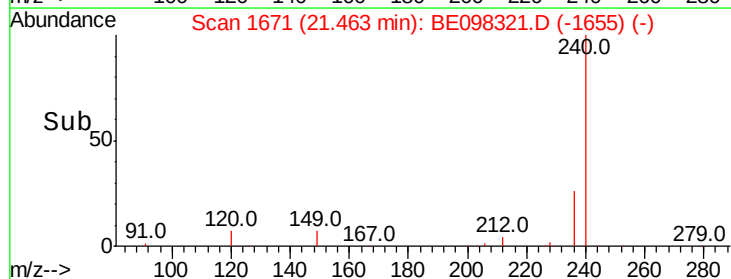
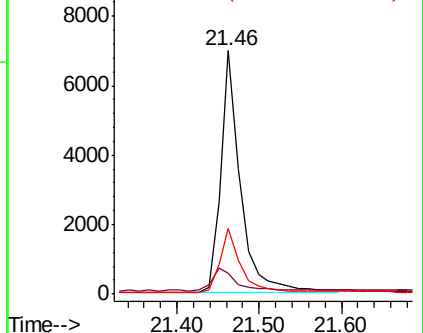
236 26.9 22.7 34.1



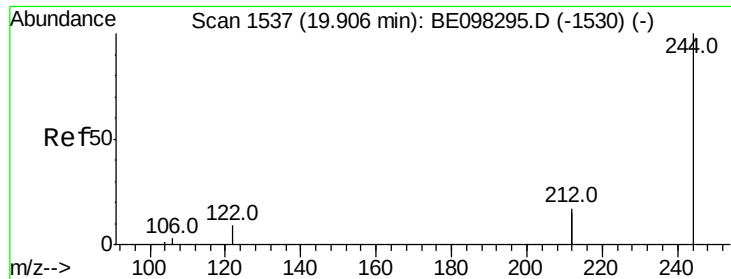
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#29

Terphenyl-d14

Concen: 0.392 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098321.D

Acq: 11 Dec 2018 5:52

Instrument :

BNA\_E

ClientSampleId :

BP-DUP01-20181204

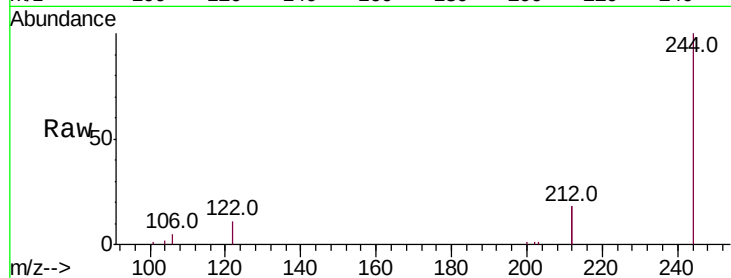
Tot Ion:244 Resp: 11100

Ion Ratio Lower Upper

244 100

212 36.6 27.4 41.0

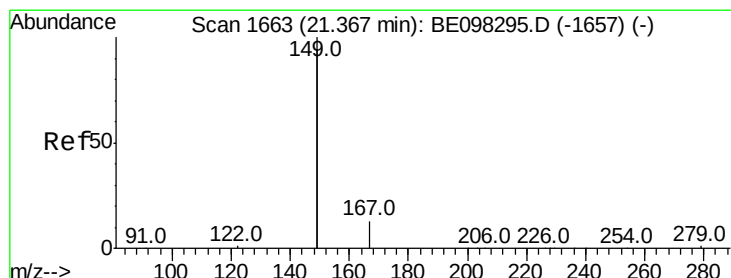
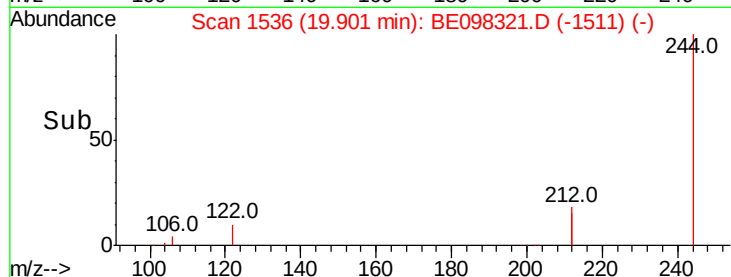
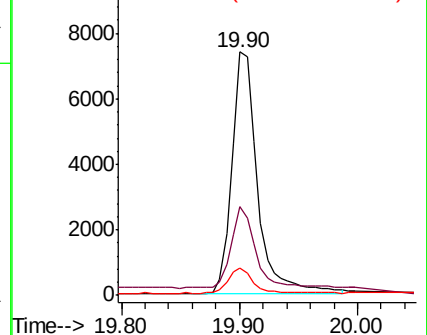
122 11.2 8.3 12.5



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: 0.048 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098321.D

Acq: 11 Dec 2018 5:52

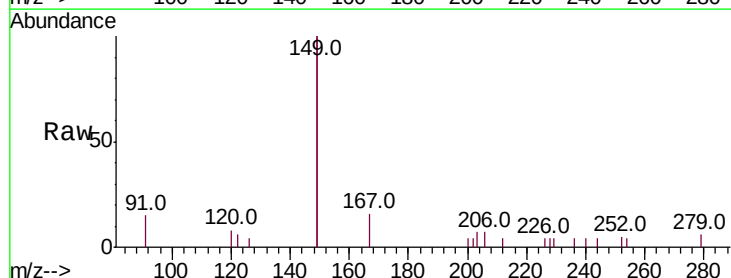
Tgt Ion:149 Resp: 3202

Ion Ratio Lower Upper

149 100

167 7.7 5.7 8.5

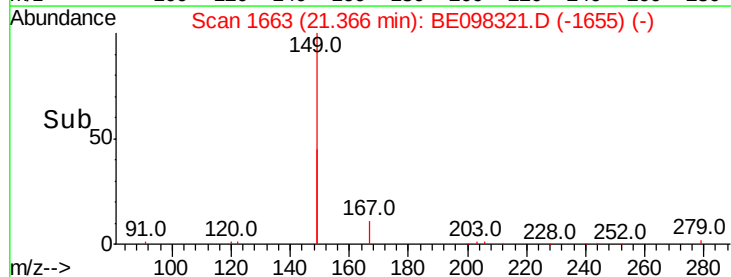
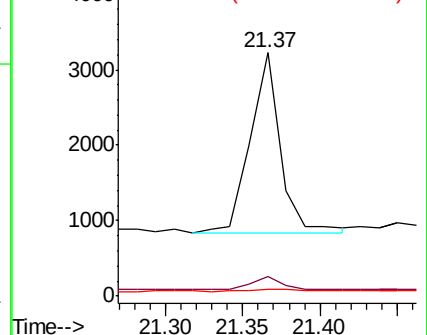
279 2.0 1.0 1.4#

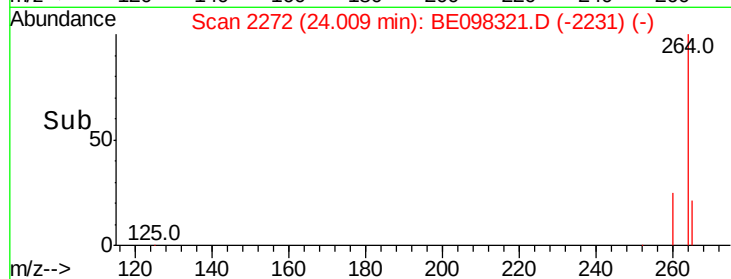
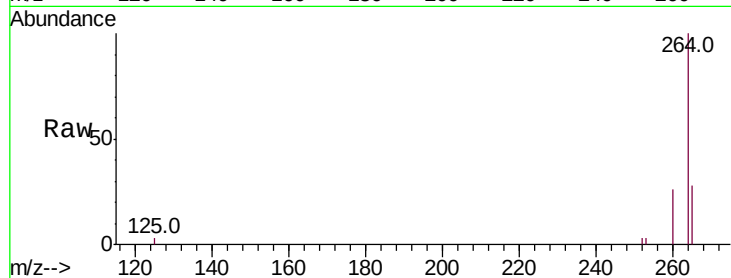
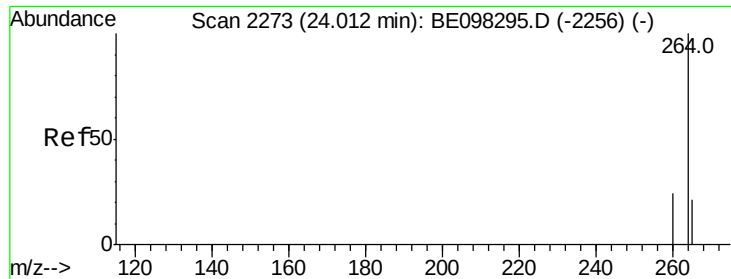


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 24.01 min Scan# 2272  
 Delta R.T. -0.00 min  
 Lab File: BE098321.D  
 Acq: 11 Dec 2018 5:52

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-DUP01-20181204

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.9  | 20.2  | 30.2  |
| 265     | 28.2  | 25.2  | 37.8  |

