

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121018\  
 Data File : BE098325.D  
 Acq On : 11 Dec 2018 9:27  
 Operator : SJ/JU  
 Sample : J6259-14DL 2X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Dec 11 10:39:10 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

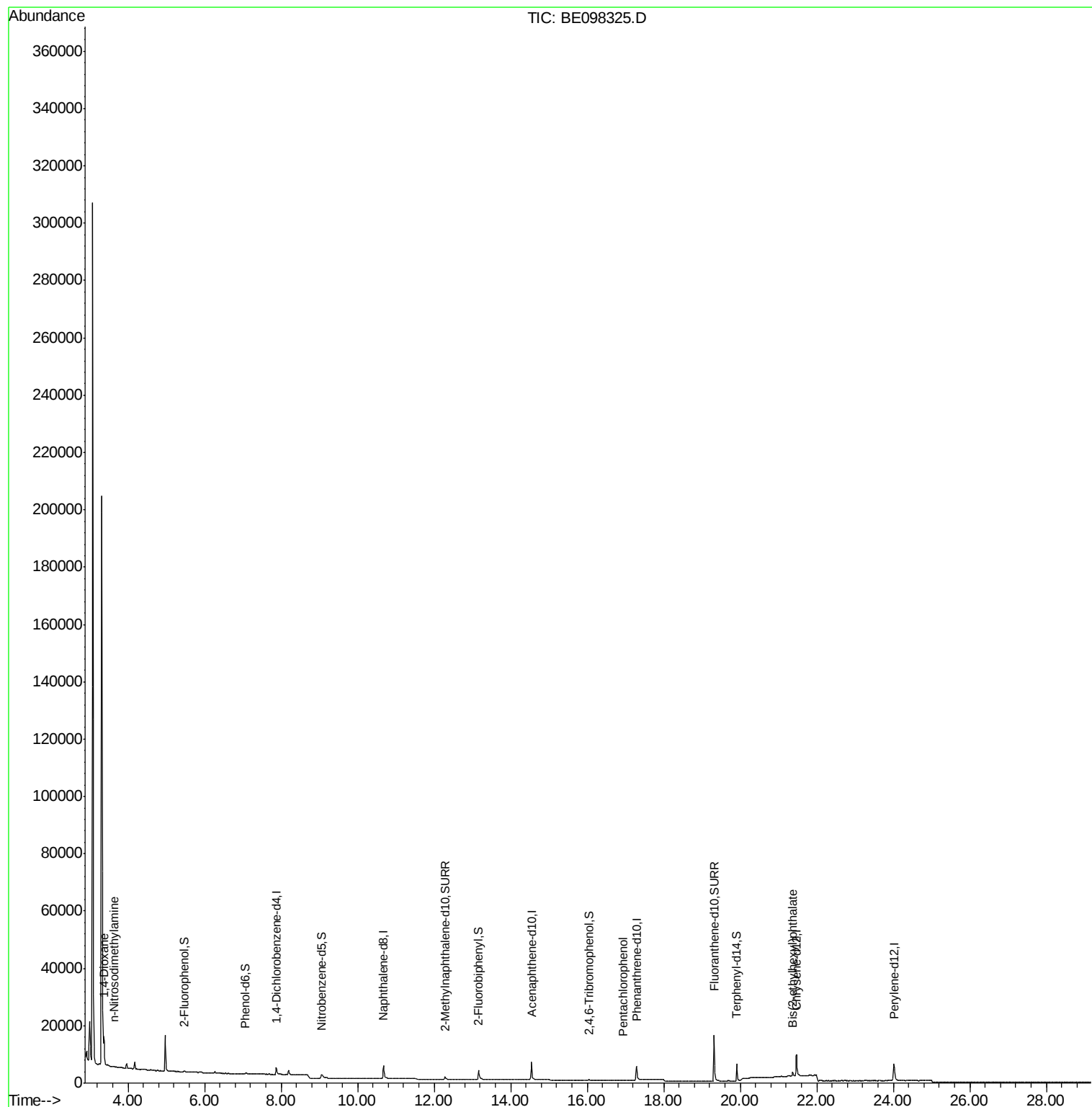
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.88  | 152  | 1542     | 0.40  | ng    | 0.01      |
| 7) Naphthalene-d8              | 10.68 | 136  | 6673     | 0.40  | ng    | 0.01      |
| 13) Acenaphthene-d10           | 14.54 | 164  | 4329     | 0.40  | ng    | 0.01      |
| 19) Phenanthrene-d10           | 17.29 | 188  | 10021    | 0.40  | ng    | 0.01      |
| 27) Chrysene-d12               | 21.47 | 240  | 11141    | 0.40  | ng    | 0.01      |
| 34) Perylene-d12               | 24.02 | 264  | 10682    | 0.40  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 4) 2-Fluorophenol              | 5.47  | 112  | 294      | 0.08  | ng    | 0.02      |
| 5) Phenol-d6                   | 7.07  | 99   | 191      | 0.04  | ng    | 0.02      |
| 8) Nitrobenzene-d5             | 9.06  | 82   | 1241     | 0.20  | ng    | 0.04      |
| 11) 2-Methylnaphthalene-d10    | 12.28 | 152  | 2043     | 0.19  | ng    | 0.01      |
| 14) 2,4,6-Tribromophenol       | 16.04 | 330  | 270      | 0.17  | ng    | 0.02      |
| 15) 2-Fluorobiphenyl           | 13.16 | 172  | 4471     | 0.24  | ng    | 0.01      |
| 25) Fluoranthene-d10           | 19.31 | 212  | 26193    | 0.20  | ng    | 0.00      |
| 29) Terphenyl-d14              | 19.91 | 244  | 6613     | 0.24  | ng    | 0.00      |
| Target Compounds               |       |      |          |       |       |           |
| 2) 1,4-Dioxane                 | 3.37  | 88   | 4684     | 1.756 | ng    | Qvalue 97 |
| 3) n-Nitrosodimethylamine      | 3.64  | 42   | 93       | 0.039 | ng    | # 100     |
| 22) Pentachlorophenol          | 16.94 | 266  | 13       | 0.031 | ng    | # 74      |
| 32) Bis(2-ethylhexyl)phthalate | 21.37 | 149  | 2594     | 0.040 | ng    | # 99      |

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

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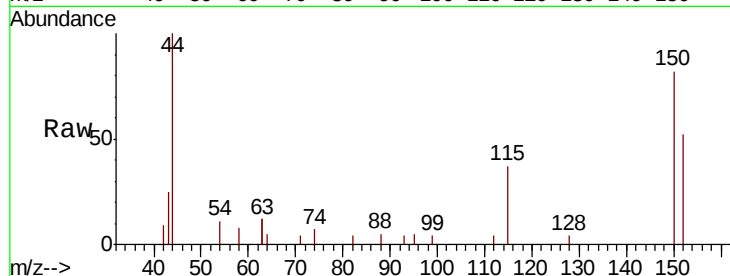


#1

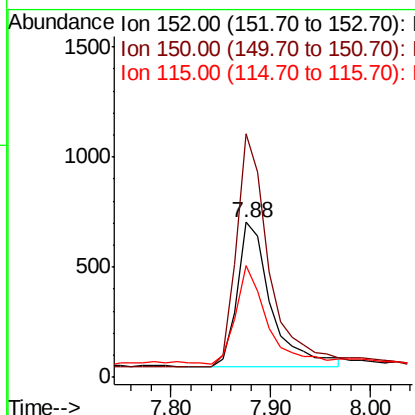
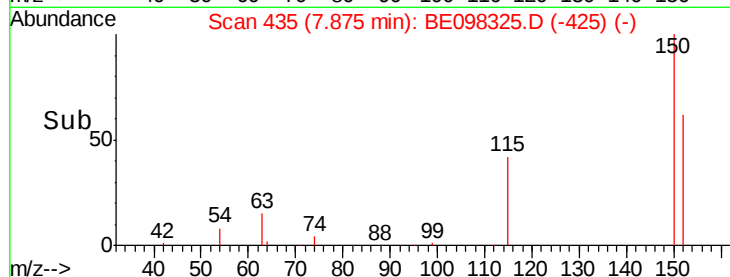
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.88 min Scan# 435  
Delta R.T. 0.01 min  
Lab File: BE098325.D  
Acq: 11 Dec 2018 9:27

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:152 Resp: 1542  
Ion Ratio Lower Upper  
152 100  
150 157.2 124.2 186.4  
115 72.0 53.9 80.9



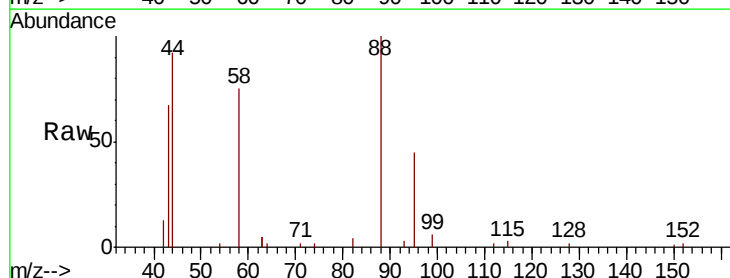
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



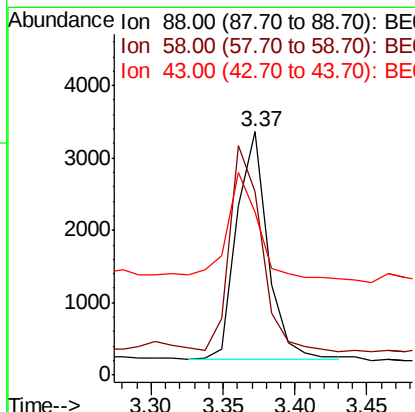
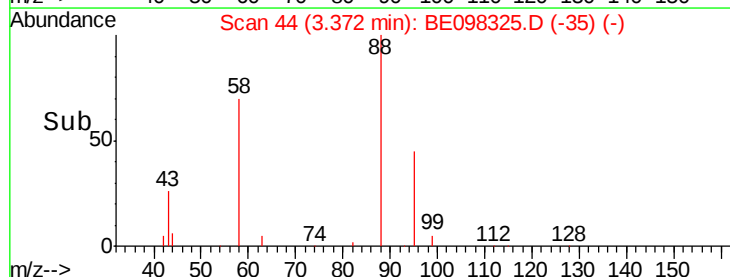
#2

1,4-Dioxane  
Concen: 1.756 ng  
RT: 3.37 min Scan# 44  
Delta R.T. 0.00 min  
Lab File: BE098325.D  
Acq: 11 Dec 2018 9:27

Tgt Ion: 88 Resp: 4684  
Ion Ratio Lower Upper  
88 100  
58 91.8 75.0 112.6  
43 44.8 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

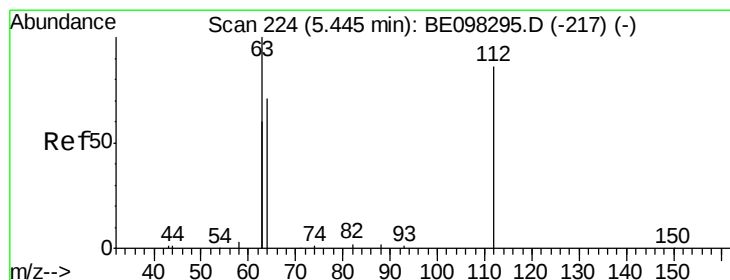
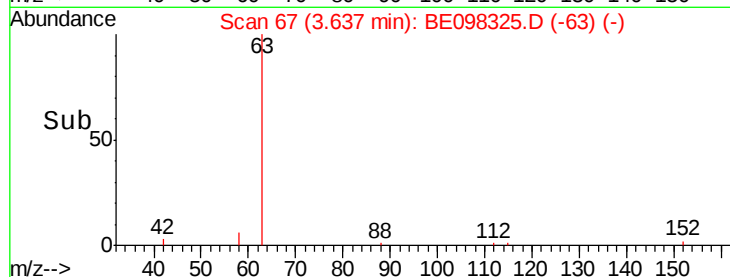
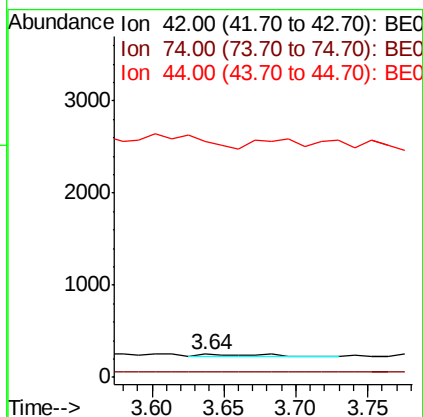
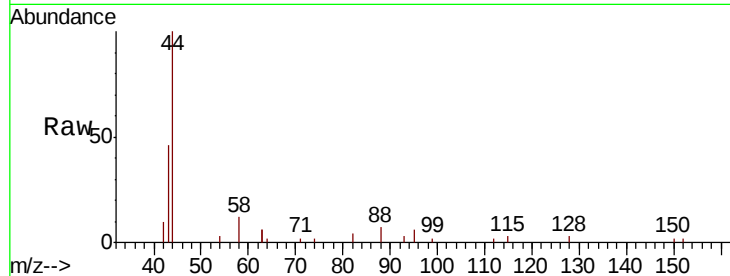




#3  
n-Nitrosodimethylamine  
Concen: 0.039 ng  
RT: 3.64 min Scan# 67  
Delta R.T. -0.06 min  
Lab File: BE098325.D  
Acq: 11 Dec 2018 9:27

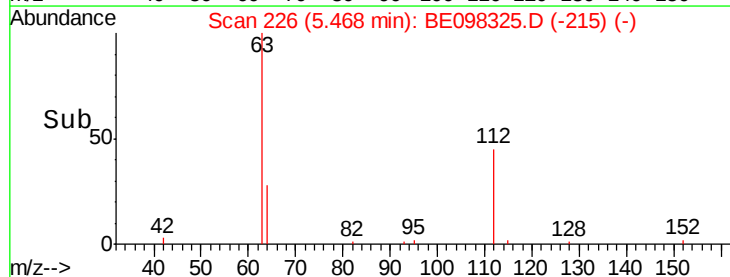
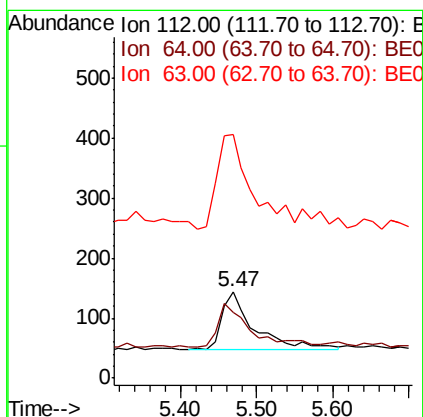
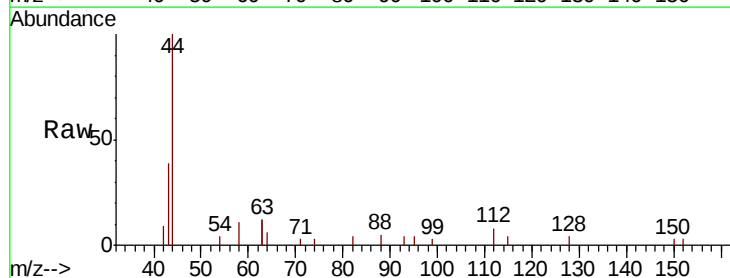
Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion: 42 Resp: 93  
Ion Ratio Lower Upper  
42 100  
74 0.0 0.0 0.0  
44 0.0 0.0 0.0



#4  
2-Fluorophenol  
Concen: 0.081 ng  
RT: 5.47 min Scan# 226  
Delta R.T. 0.02 min  
Lab File: BE098325.D  
Acq: 11 Dec 2018 9:27

Tgt Ion: 112 Resp: 294  
Ion Ratio Lower Upper  
112 100  
64 71.4 59.8 89.8  
63 169.7 133.7 200.5





#5

Phenol-d6

Concen: 0.037 ng

RT: 7.07 min Scan# 365

Delta R.T. 0.02 min

Lab File: BE098325.D

Acq: 11 Dec 2018 9:27

Instrument :

BNA\_E

ClientSampleId :

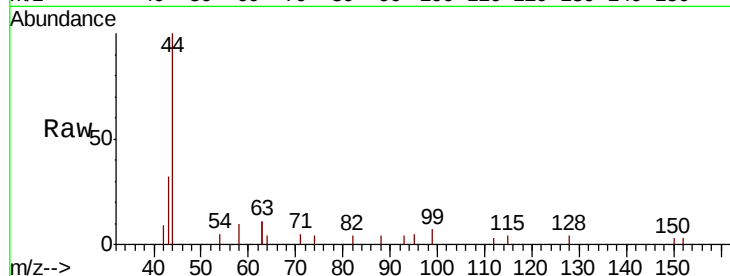
Tot Ion: 99 Resp: 191

Ion Ratio Lower Upper

99 100

42 89.5 26.3 39.5#

71 0.0 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

7.07

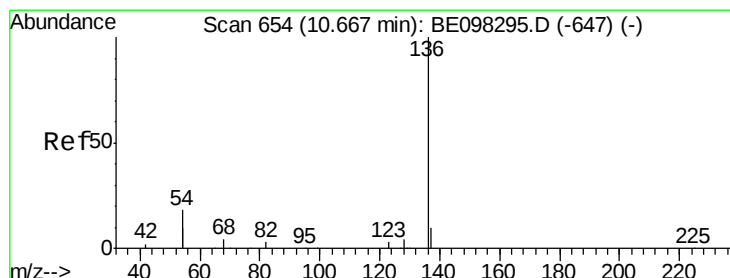
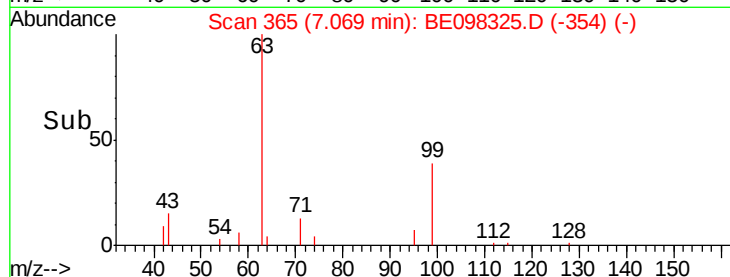
100

50

0

7.00 7.10 7.20

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.01 min

Lab File: BE098325.D

Acq: 11 Dec 2018 9:27

Tgt Ion: 136 Resp: 6673

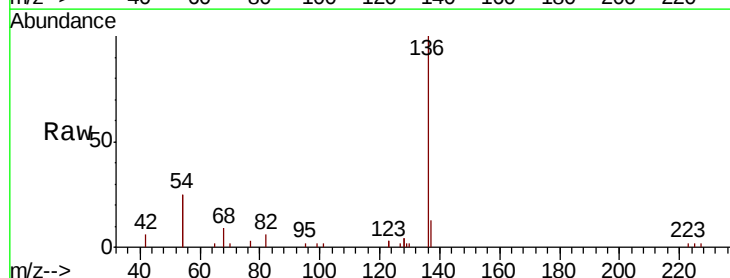
Ion Ratio Lower Upper

136 100

137 13.1 9.2 13.8

54 49.6 28.4 42.6#

68 8.8 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

10.68

4000

3000

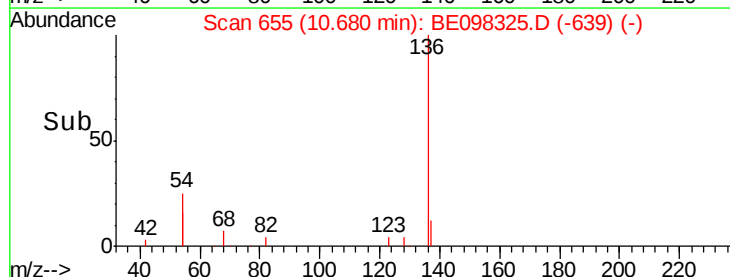
2000

1000

0

10.60 10.70 10.80

Time-->

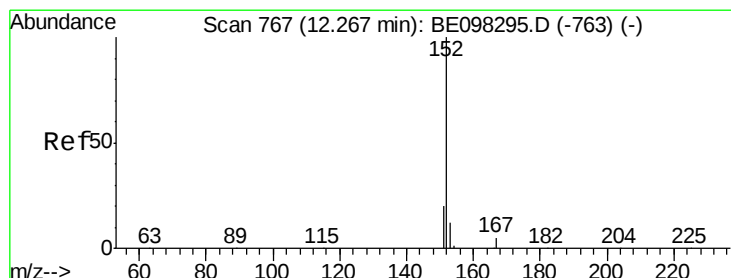
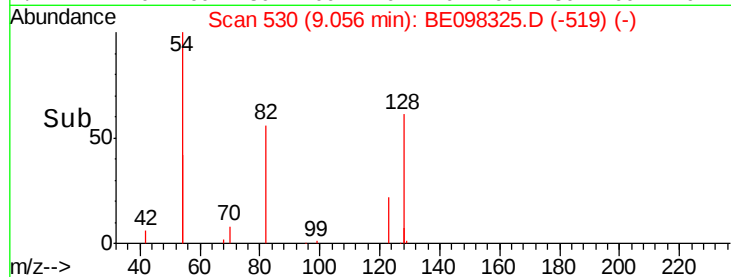
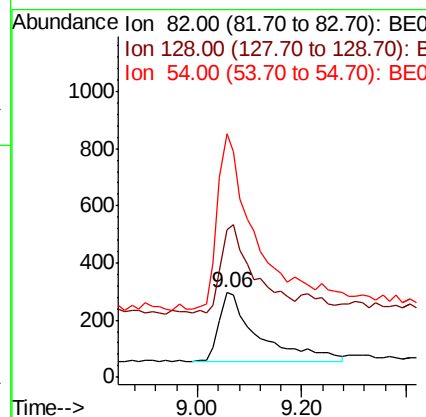
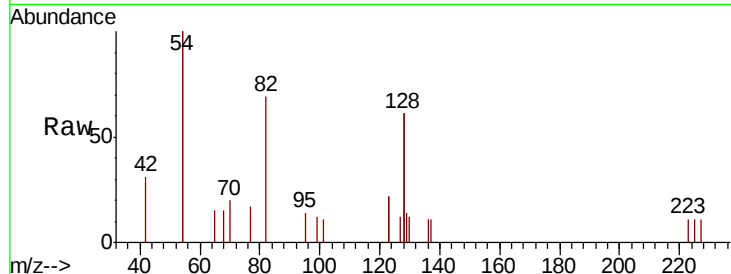




#8  
 Nitrobenzene-d5  
 Concen: 0.204 ng  
 RT: 9.06 min Scan# 530  
 Delta R.T. 0.04 min  
 Lab File: BE098325.D  
 Acq: 11 Dec 2018 9:27

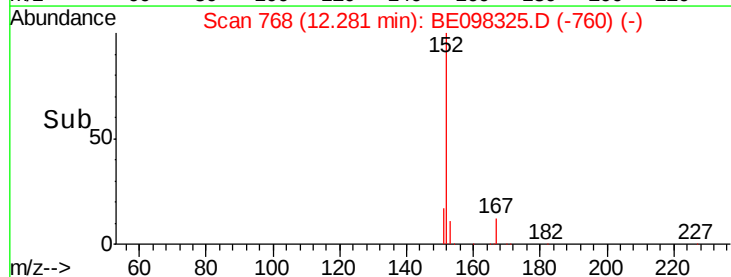
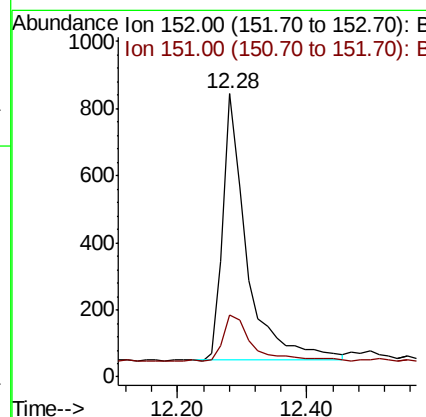
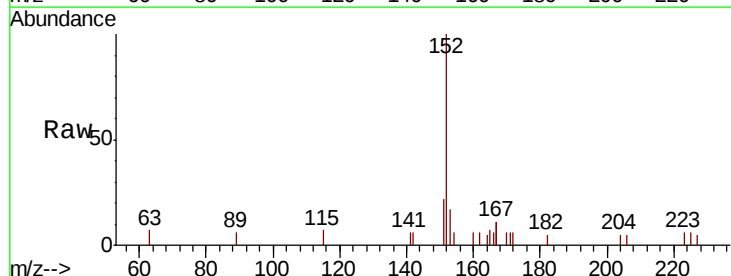
Instrument :  
 BNA\_E  
 ClientSampled :

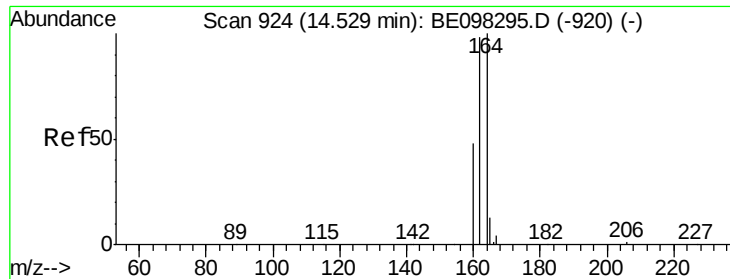
| Tot Ion   | 82.00 | Resp  | 1241   |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 174.9 | 102.4 | 153.6# |
| 54        | 288.8 | 221.8 | 332.8  |



#11  
 2-Methylnaphthalene-d10  
 Concen: 0.188 ng  
 RT: 12.28 min Scan# 768  
 Delta R.T. 0.01 min  
 Lab File: BE098325.D  
 Acq: 11 Dec 2018 9:27

| Tgt Ion   | 152.00 | Resp  | 2043 |
|-----------|--------|-------|------|
| Ion Ratio | Lower  | Upper |      |
| 152       | 100    |       |      |
| 151       | 20.9   | 16.2  | 24.4 |

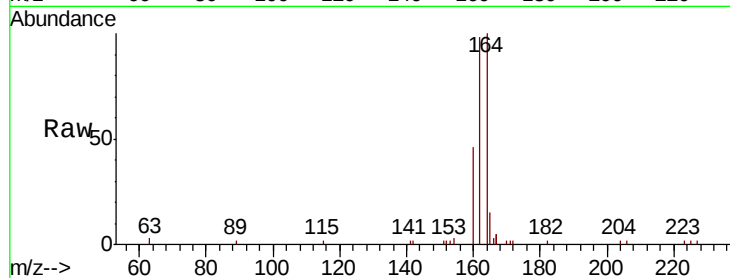




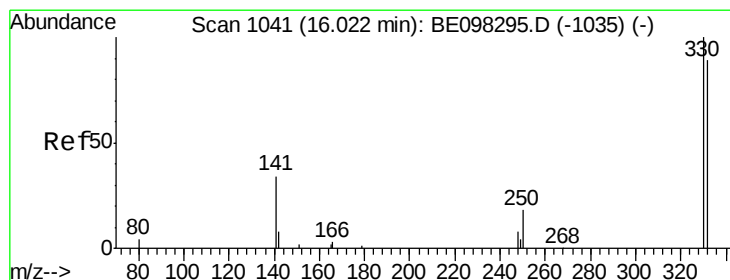
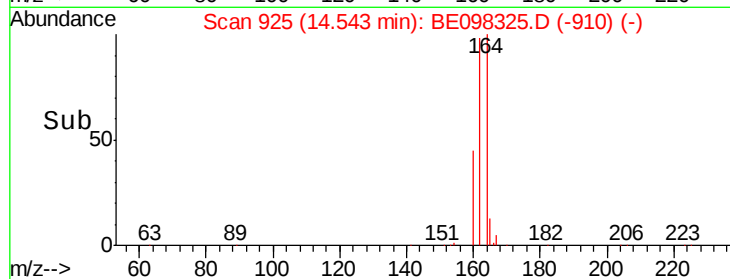
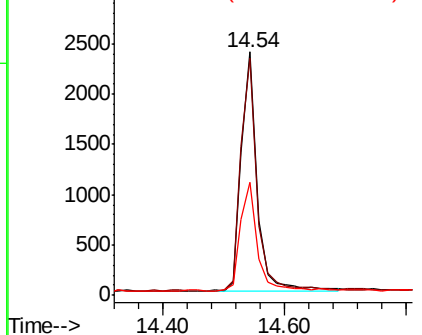
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.54 min Scan# 925  
 Delta R.T. 0.01 min  
 Lab File: BE098325.D  
 Acq: 11 Dec 2018 9:27

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:164 Resp: 4329  
 Ion Ratio Lower Upper  
 164 100  
 162 97.6 77.6 116.4  
 160 46.5 36.0 54.0

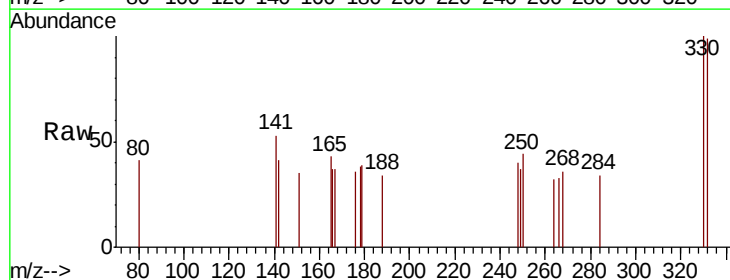


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

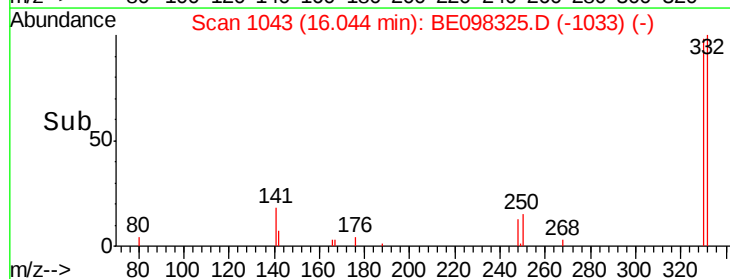
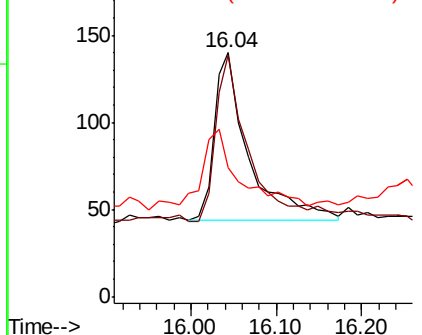


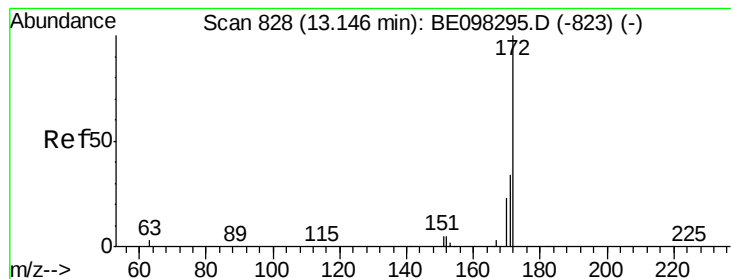
#14  
 2,4,6-Tribromophenol  
 Concen: 0.170 ng  
 RT: 16.04 min Scan# 1043  
 Delta R.T. 0.02 min  
 Lab File: BE098325.D  
 Acq: 11 Dec 2018 9:27

Tgt Ion:330 Resp: 270  
 Ion Ratio Lower Upper  
 330 100  
 332 99.3 76.2 114.4  
 141 46.3 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

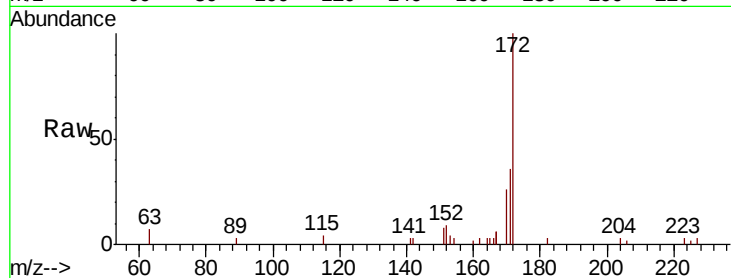




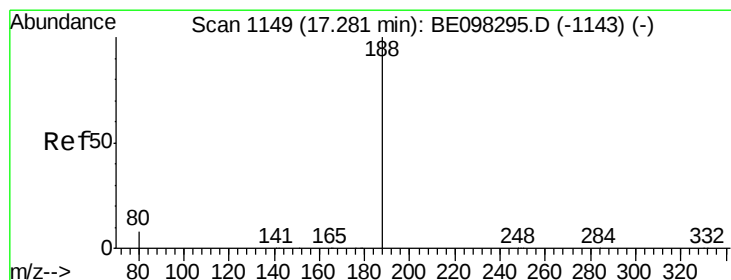
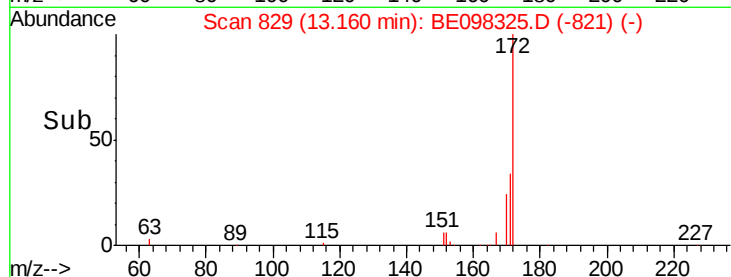
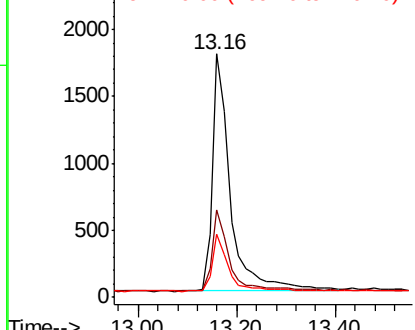
#15  
2-Fluorobiphenyl  
Concen: 0.245 ng  
RT: 13.16 min Scan# 829  
Delta R.T. 0.01 min  
Lab File: BE098325.D  
Acq: 11 Dec 2018 9:27

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:172 Resp: 4471  
Ion Ratio Lower Upper  
172 100  
171 35.6 27.5 41.3  
170 25.7 19.6 29.4

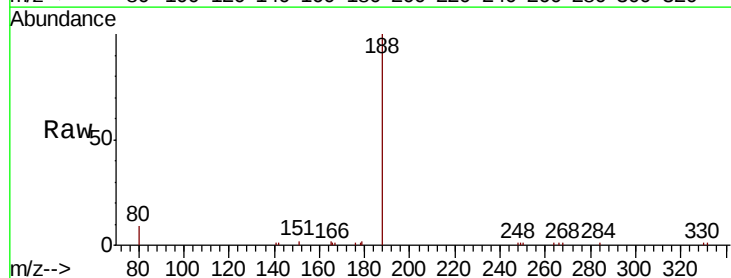


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

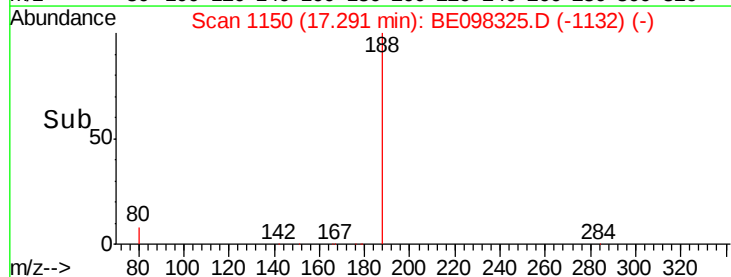
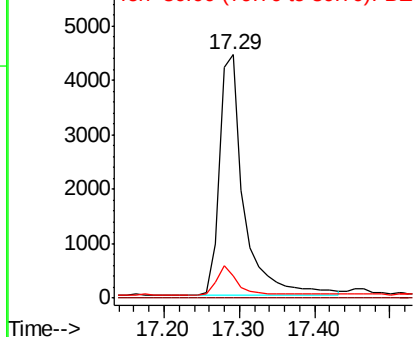


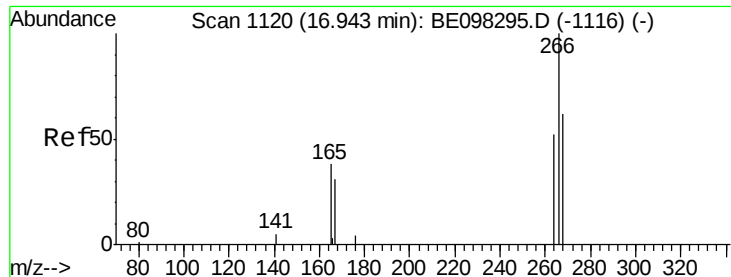
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.29 min Scan# 1150  
Delta R.T. 0.01 min  
Lab File: BE098325.D  
Acq: 11 Dec 2018 9:27

Tgt Ion:188 Resp: 10021  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.3 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

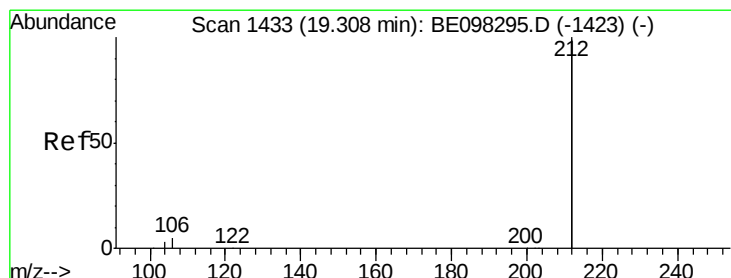
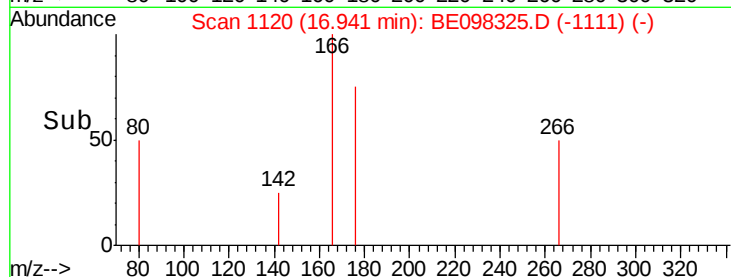
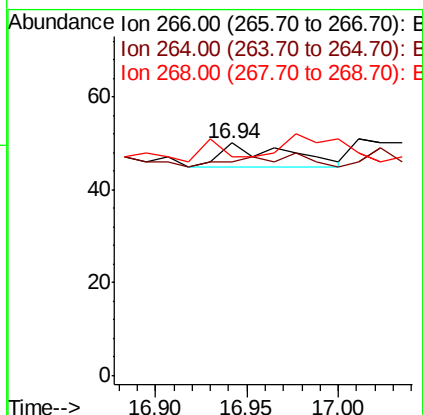
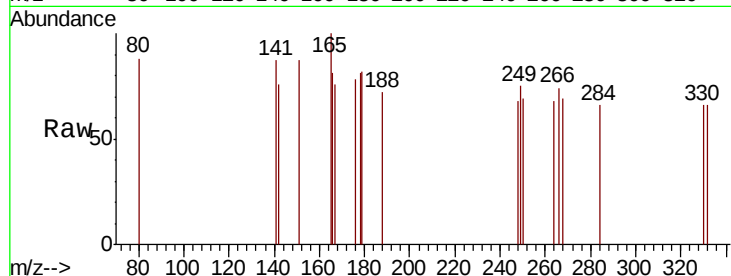




#22  
 Pentachlorophenol  
 Concen: 0.031 ng  
 RT: 16.94 min Scan# 1120  
 Delta R.T. -0.00 min  
 Lab File: BE098325.D  
 Acq: 11 Dec 2018 9:27

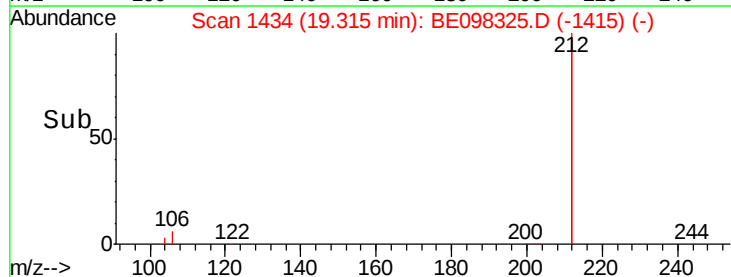
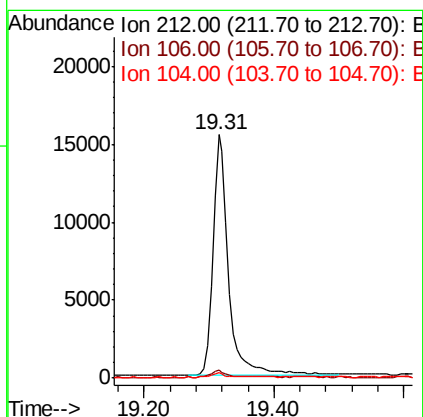
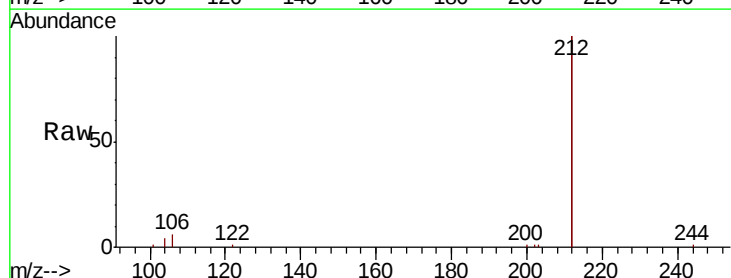
Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:266 Resp: 13  
 Ion Ratio Lower Upper  
 266 100  
 264 92.0 59.0 88.4#  
 268 94.0 55.1 82.7#



#25  
 Fluoranthene-d10  
 Concen: 0.204 ng  
 RT: 19.31 min Scan# 1434  
 Delta R.T. 0.01 min  
 Lab File: BE098325.D  
 Acq: 11 Dec 2018 9:27

Tgt Ion:212 Resp: 26193  
 Ion Ratio Lower Upper  
 212 100  
 106 2.6 2.2 3.2  
 104 1.6 1.3 1.9





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.47 min Scan# 1672

Delta R.T. 0.01 min

Lab File: BE098325.D

Acq: 11 Dec 2018 9:27

Instrument :

BNA\_E

ClientSampleId :

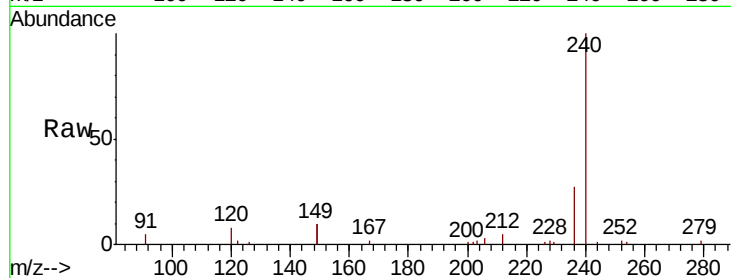
Tot Ion:240 Resp: 11141

Ion Ratio Lower Upper

240 100

120 7.7 9.5 14.3#

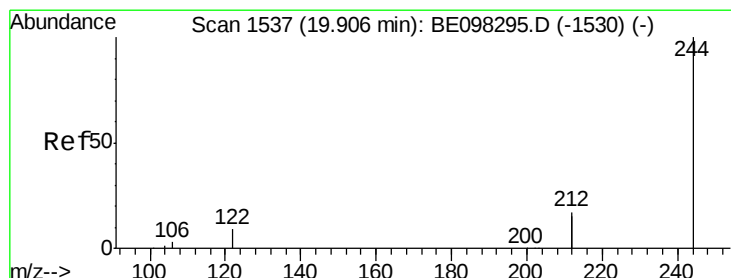
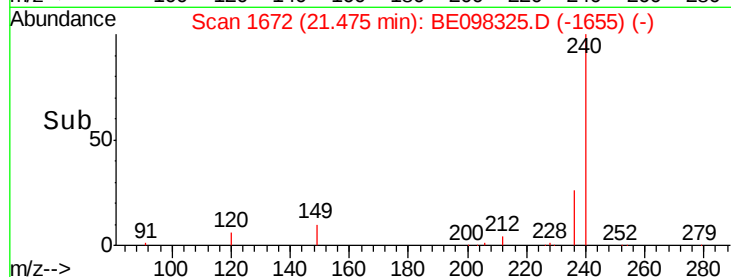
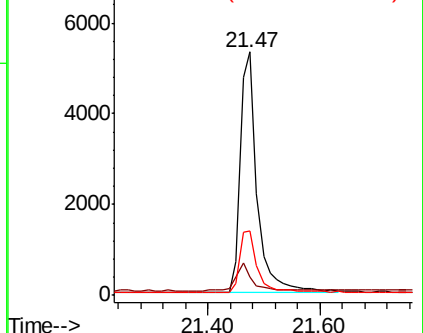
236 26.6 22.7 34.1



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: 0.244 ng

RT: 19.91 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BE098325.D

Acq: 11 Dec 2018 9:27

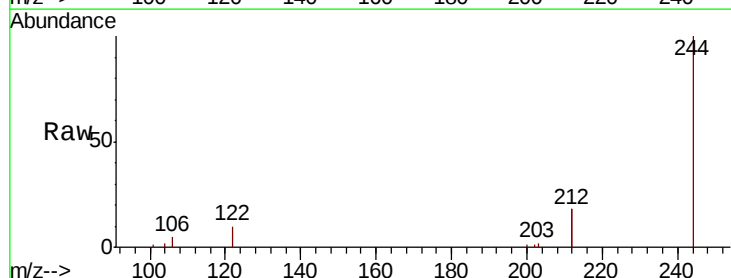
Tgt Ion:244 Resp: 6613

Ion Ratio Lower Upper

244 100

212 36.2 27.4 41.0

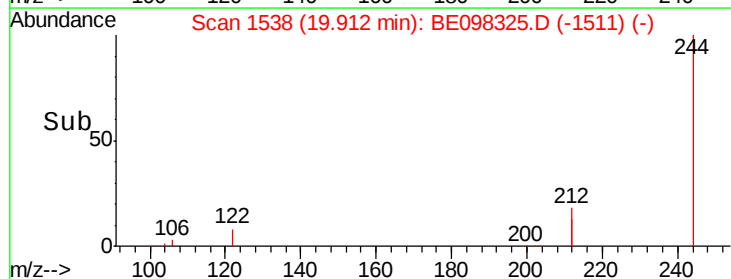
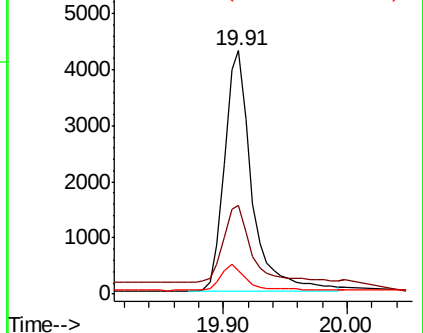
122 9.5 8.3 12.5



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: 0.040 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098325.D

Acq: 11 Dec 2018 9:27

Instrument :

BNA\_E

ClientSampleId :

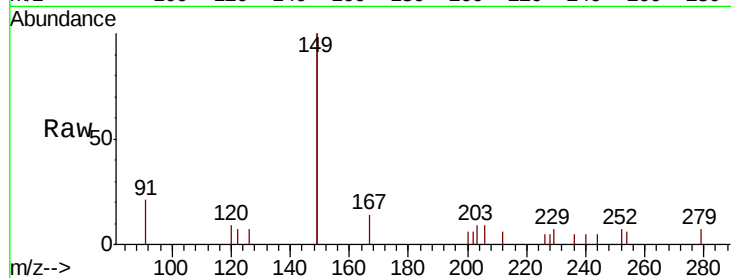
Tot Ion:149 Resp: 2594

Ion Ratio Lower Upper

149 100

167 6.6 5.7 8.5

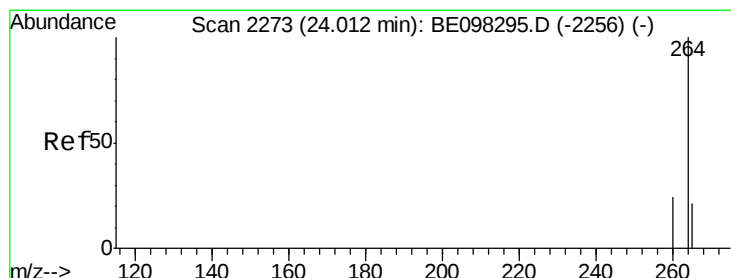
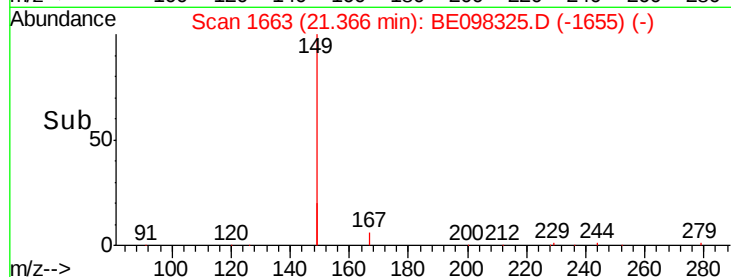
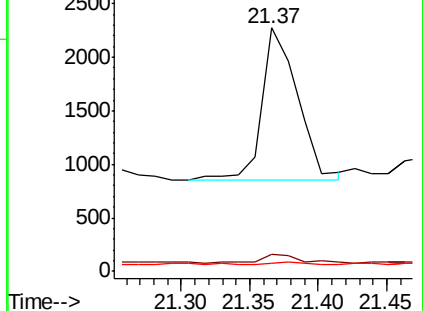
279 1.7 1.0 1.4#



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: 24.02 min Scan# 2274

Delta R.T. 0.00 min

Lab File: BE098325.D

Acq: 11 Dec 2018 9:27

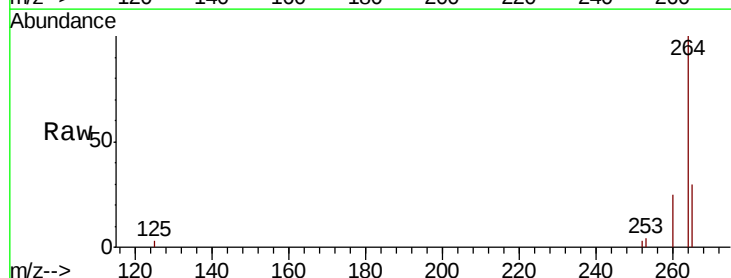
Tgt Ion:264 Resp: 10682

Ion Ratio Lower Upper

264 100

260 24.6 20.2 30.2

265 29.8 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

