

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121518\  
 Data File : BE098491.D  
 Acq On : 16 Dec 2018 4:16  
 Operator : SJ/JU  
 Sample : J6398-07  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 DUP-01\_121218

Quant Time: Dec 17 02:11:21 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

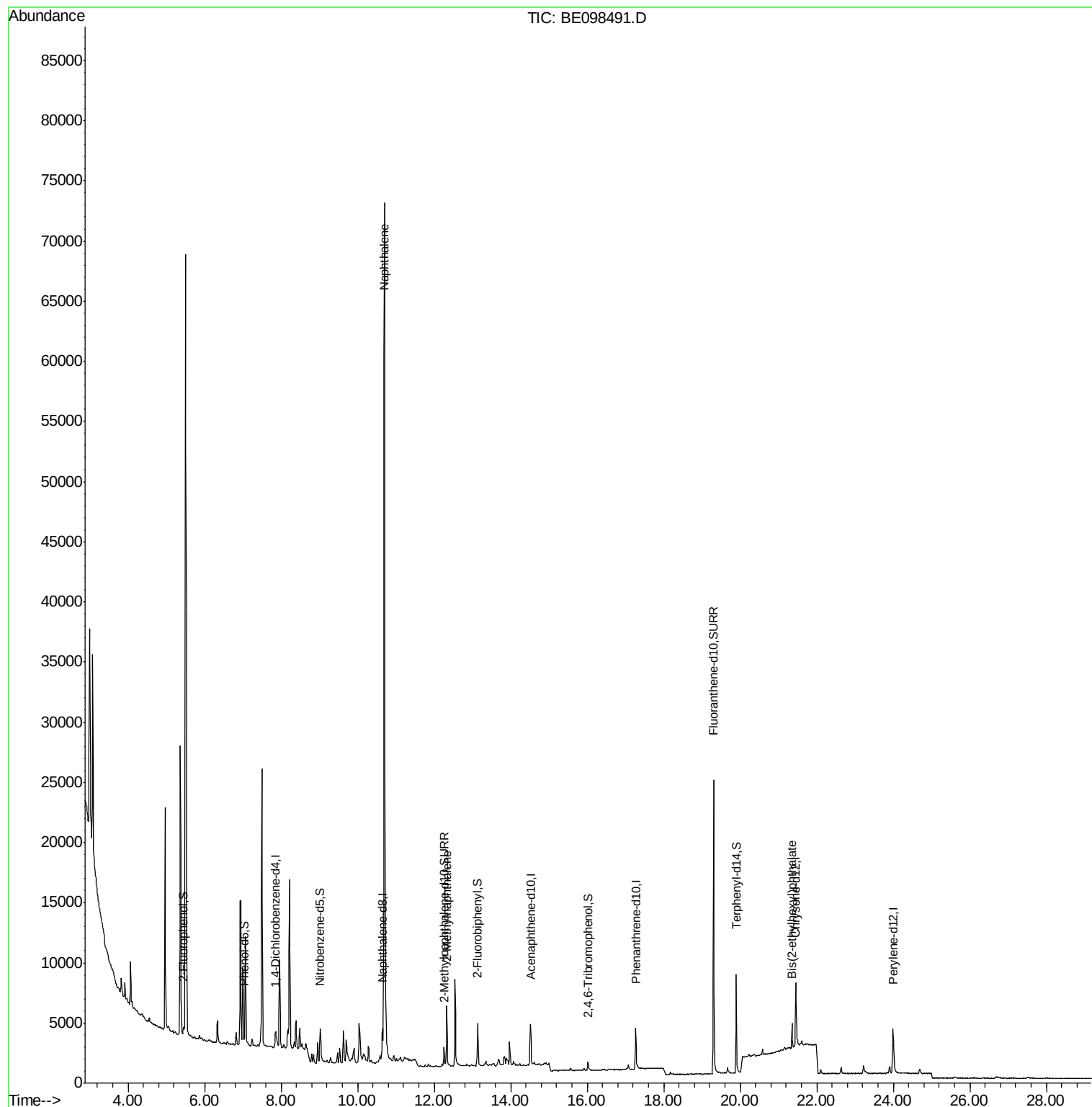
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|-------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.86  | 152  | 744      | 0.40  | ng    | 0.00       |
| 7) Naphthalene-d8              | 10.65 | 136  | 3101     | 0.40  | ng    | -0.01      |
| 13) Acenaphthene-d10           | 14.52 | 164  | 1994     | 0.40  | ng    | -0.01      |
| 19) Phenanthrene-d10           | 17.27 | 188  | 5235     | 0.40  | ng    | -0.01      |
| 27) Chrysene-d12               | 21.45 | 240  | 6673     | 0.40  | ng    | -0.01      |
| 34) Perylene-d12               | 23.99 | 264  | 6342     | 0.40  | ng    | -0.02      |
| System Monitoring Compounds    |       |      |          |       |       |            |
| 4) 2-Fluorophenol              | 5.44  | 112  | 468      | 0.27  | ng    | 0.00       |
| 5) Phenol-d6                   | 7.04  | 99   | 402      | 0.16  | ng    | 0.00       |
| 8) Nitrobenzene-d5             | 9.02  | 82   | 1200     | 0.43  | ng    | 0.00       |
| 11) 2-Methylnaphthalene-d10    | 12.25 | 152  | 2286     | 0.45  | ng    | -0.01      |
| 14) 2,4,6-Tribromophenol       | 16.01 | 330  | 462      | 0.63  | ng    | -0.01      |
| 15) 2-Fluorobiphenyl           | 13.13 | 172  | 4136     | 0.49  | ng    | -0.01      |
| 25) Fluoranthene-d10           | 19.30 | 212  | 35240    | 0.52  | ng    | -0.01      |
| 29) Terphenyl-d14              | 19.89 | 244  | 7647     | 0.47  | ng    | -0.01      |
| Target Compounds               |       |      |          |       |       |            |
| 9) Naphthalene                 | 10.70 | 128  | 128528   | 4.119 | ng    | Qvalue 100 |
| 12) 2-Methylnaphthalene        | 12.33 | 142  | 3539     | 0.698 | ng    | 94         |
| 32) Bis(2-ethylhexyl)phthalate | 21.35 | 149  | 2634     | 0.068 | ng    | # 98       |

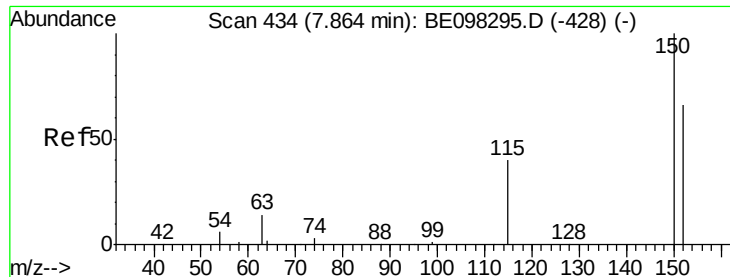
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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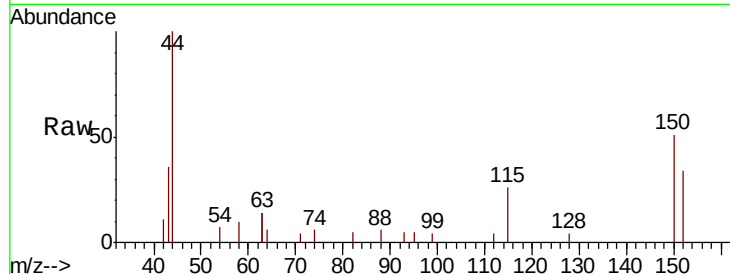


#1

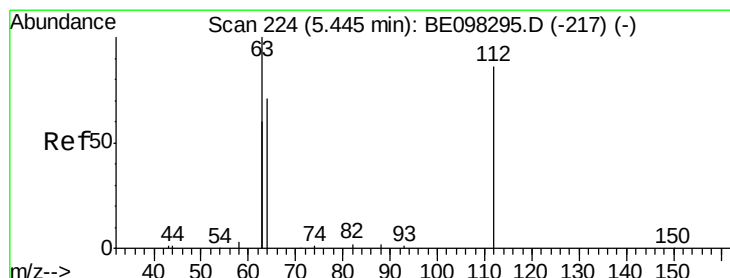
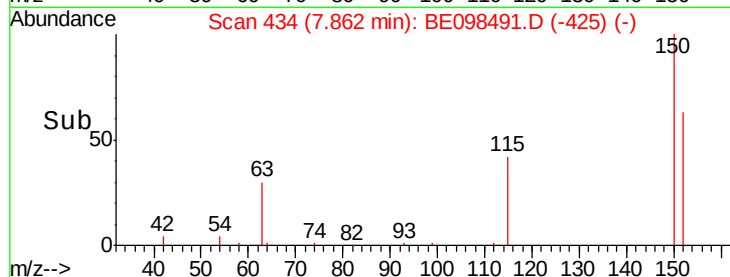
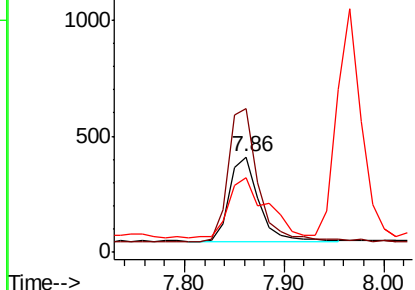
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. -0.00 min  
Lab File: BE098491.D  
Acq: 16 Dec 2018 4:16

Instrument :  
BNA\_E  
ClientSampleId :  
DUP-01\_121218

Tot Ion:152 Resp: 744  
Ion Ratio Lower Upper  
152 100  
150 150.2 124.2 186.4  
115 77.4 53.9 80.9



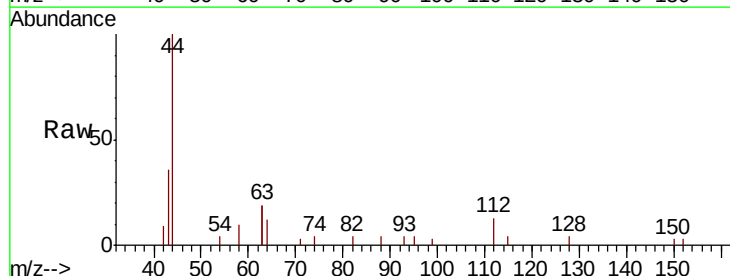
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



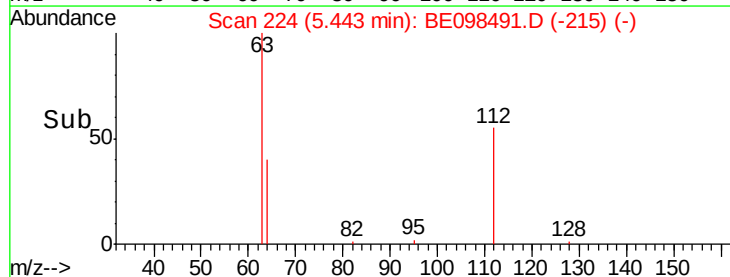
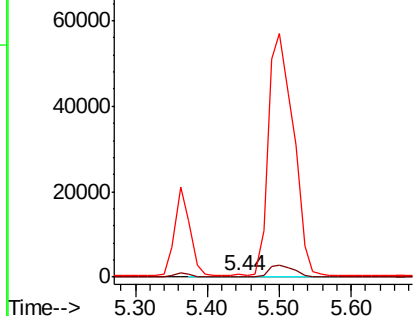
#4

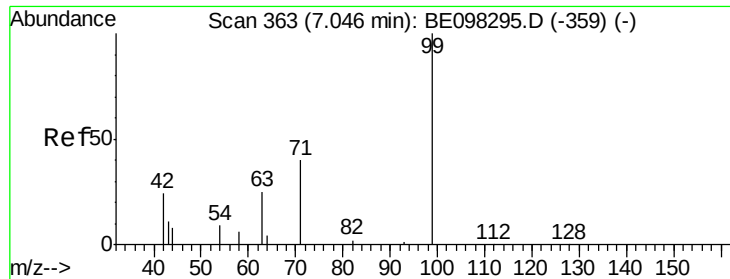
2-Fluorophenol  
Concen: 0.269 ng  
RT: 5.44 min Scan# 224  
Delta R.T. -0.00 min  
Lab File: BE098491.D  
Acq: 16 Dec 2018 4:16

Tgt Ion:112 Resp: 468  
Ion Ratio Lower Upper  
112 100  
64 0.0 59.8 89.8#  
63 0.0 133.7 200.5#



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: 0.163 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

Instrument :

BNA\_E

ClientSampleId :

DUP-01\_121218

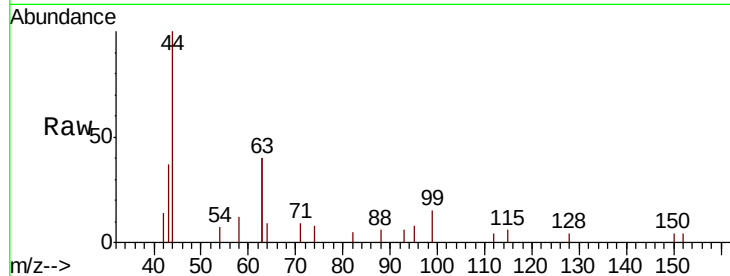
Tot Ion: 99 Resp: 402

Ion Ratio Lower Upper

99 100

42 0.0 26.3 39.5#

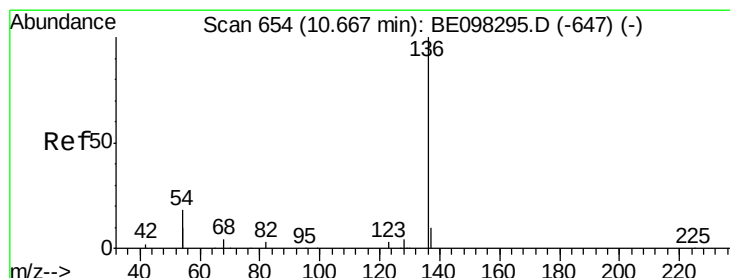
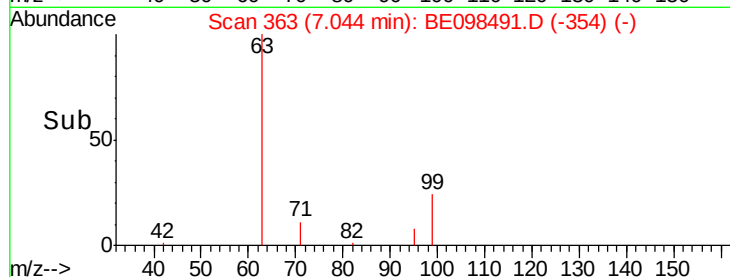
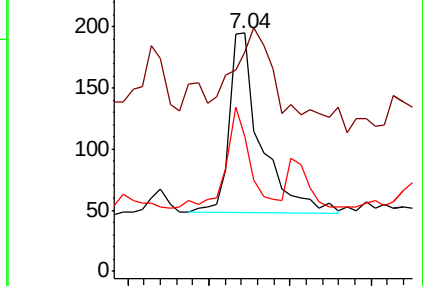
71 39.6 33.6 50.4



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: BE098491.D

Acq: 16 Dec 2018 4:16

Tgt Ion: 136 Resp: 3101

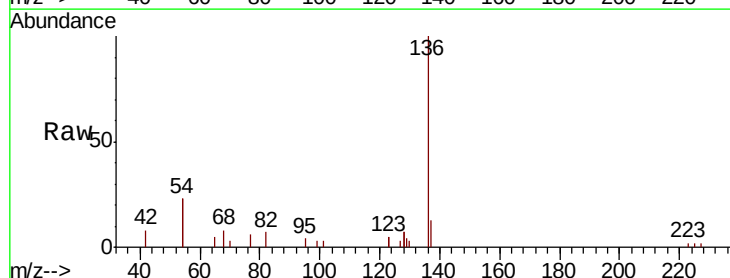
Ion Ratio Lower Upper

136 100

137 13.0 9.2 13.8

54 45.6 28.4 42.6#

68 8.0 5.4 8.0

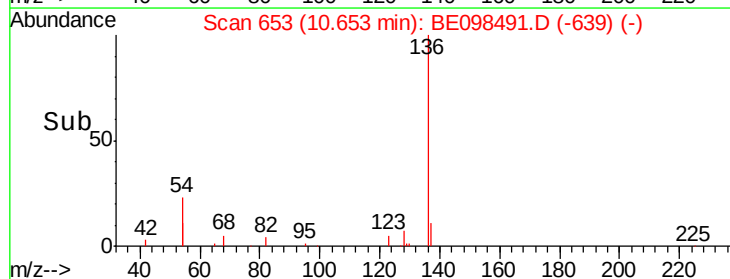
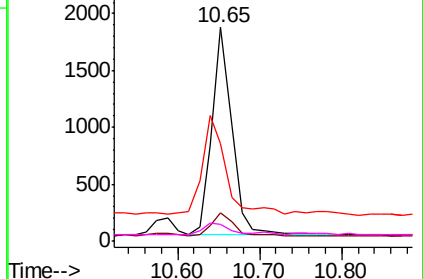


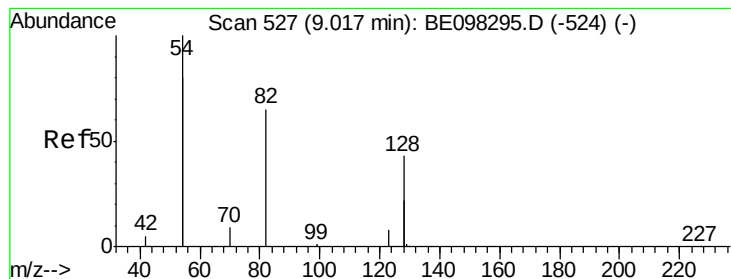
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.425 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

Instrument :

BNA\_E

ClientSampleId :

DUP-01\_121218

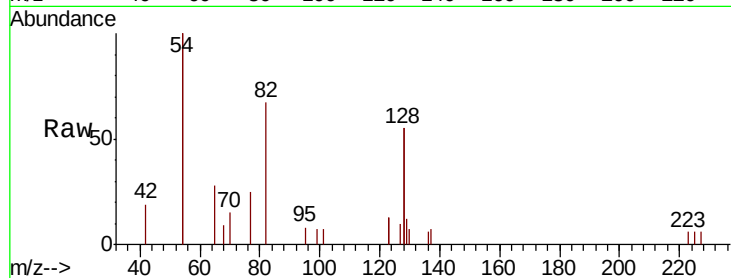
Tot Ion: 82 Resp: 1200

Ion Ratio Lower Upper

82 100

128 164.8 102.4 153.6#

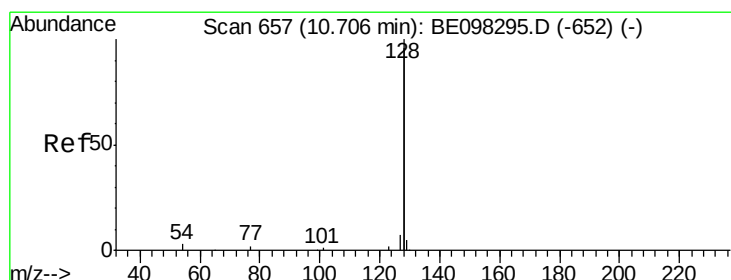
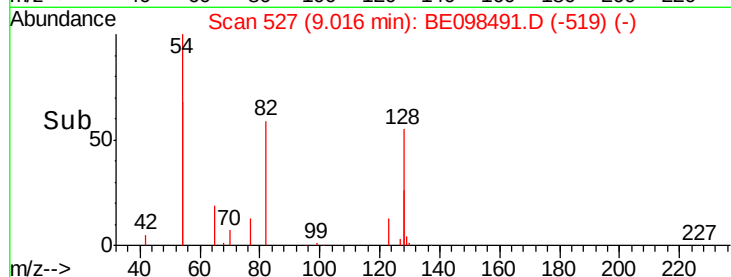
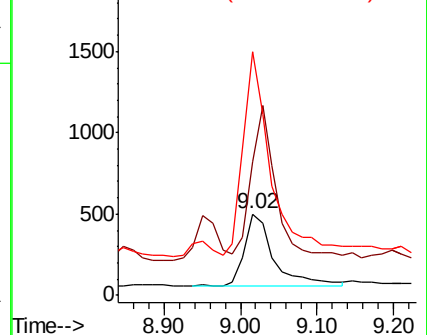
54 299.6 221.8 332.8



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: 4.119 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

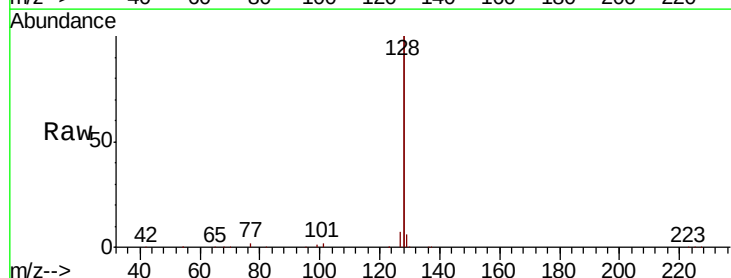
Tgt Ion:128 Resp: 128528

Ion Ratio Lower Upper

128 100

129 3.0 2.5 3.7

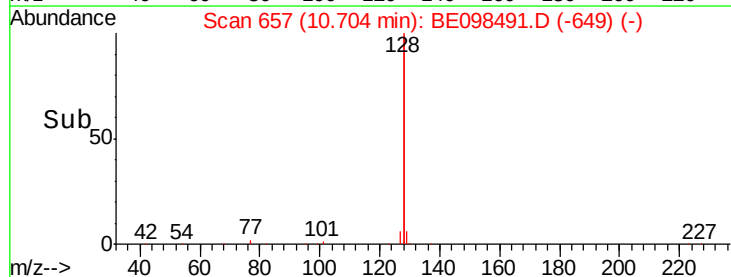
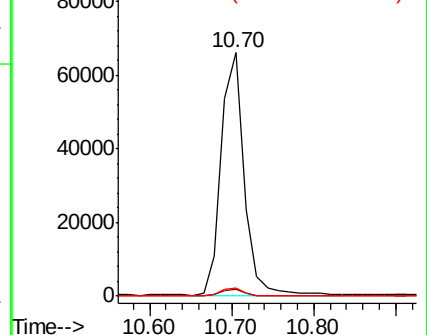
127 3.3 2.7 4.1

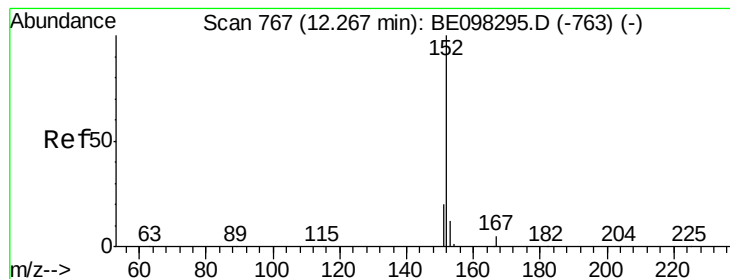


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.453 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.01 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

Instrument :

BNA\_E

ClientSampleId :

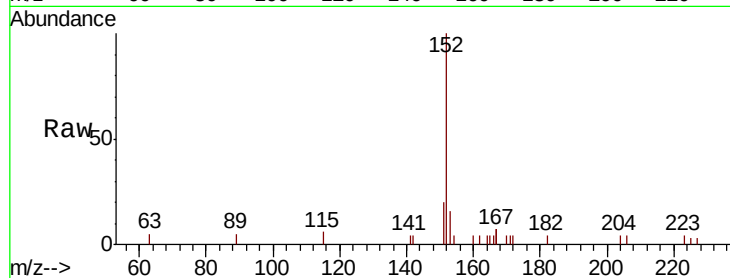
DUP-01\_121218

Tot Ion:152 Resp: 2286

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

1500

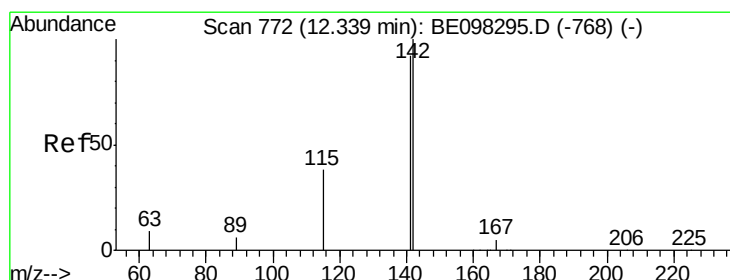
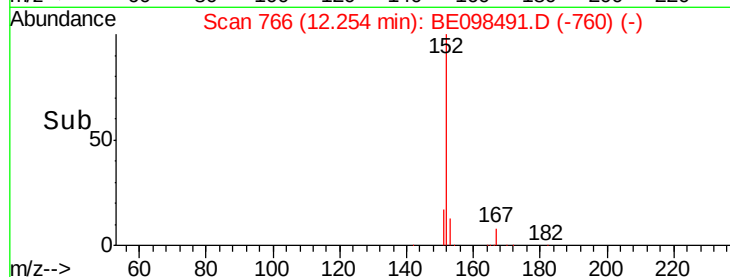
12.25

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.698 ng

RT: 12.33 min Scan# 771

Delta R.T. -0.01 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

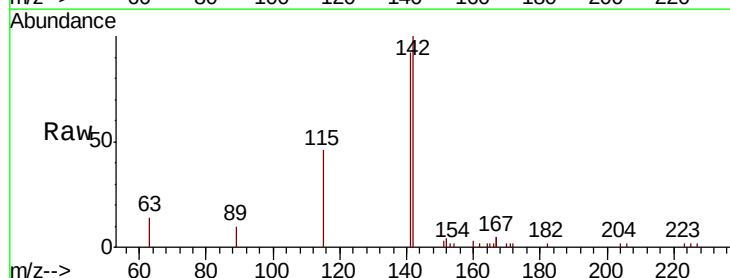
Tgt Ion:142 Resp: 3539

Ion Ratio Lower Upper

142 100

141 92.1 71.0 106.6

115 46.5 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

2500

2000

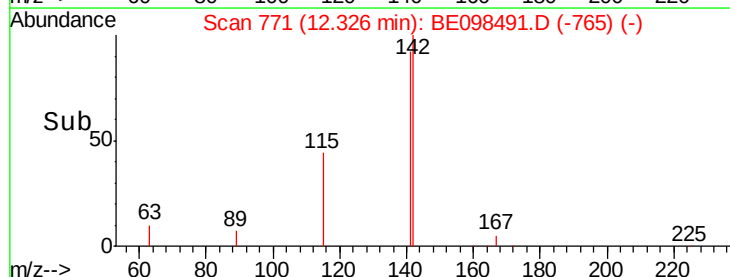
1500

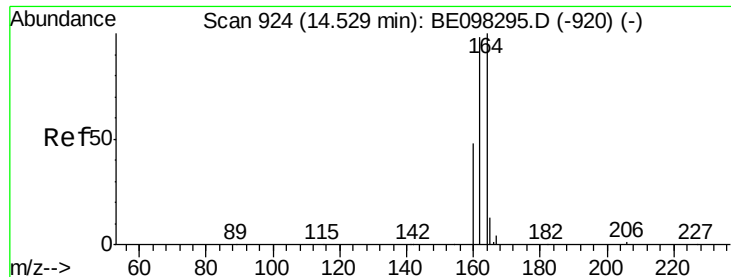
1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

Instrument :

BNA\_E

ClientSampleId :

DUP-01\_121218

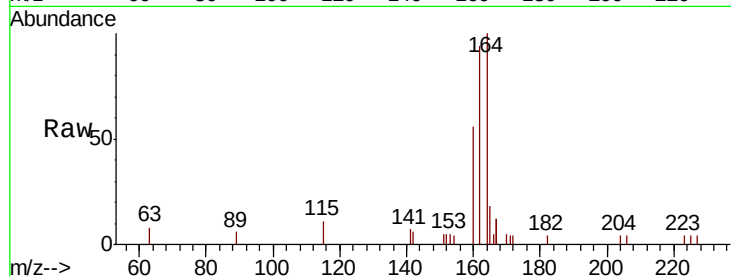
Tot Ion:164 Resp: 1994

Ion Ratio Lower Upper

164 100

162 94.1 77.6 116.4

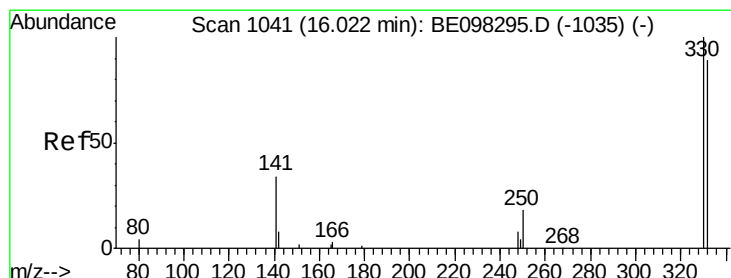
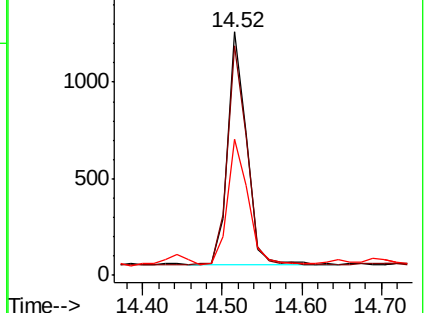
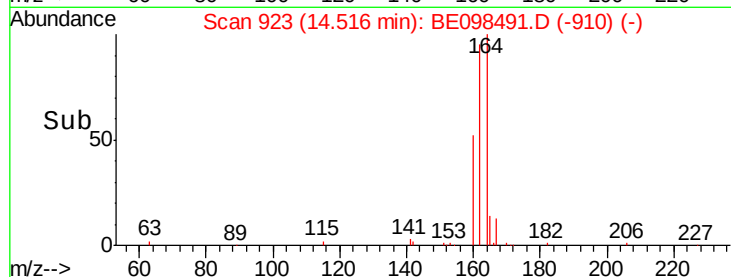
160 55.9 36.0 54.0#



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: 0.631 ng

RT: 16.01 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

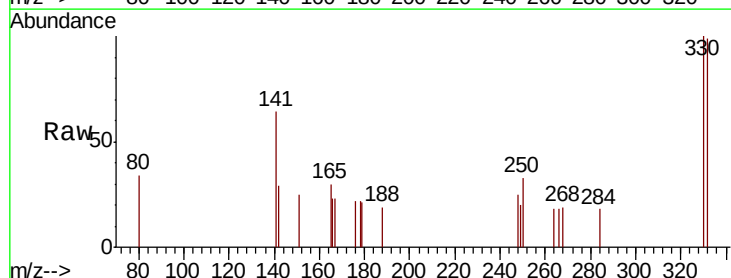
Tgt Ion:330 Resp: 462

Ion Ratio Lower Upper

330 100

332 99.1 76.2 114.4

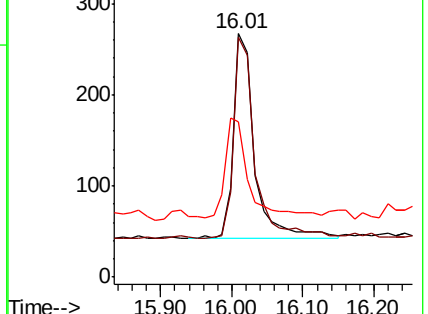
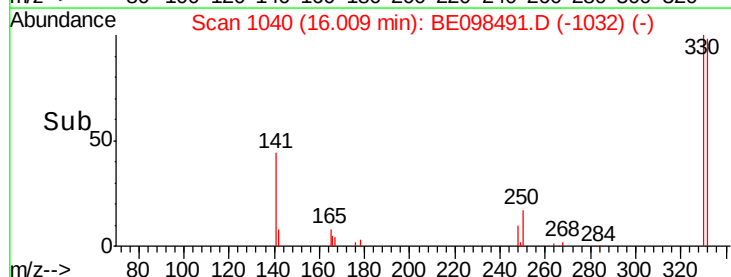
141 53.7 39.0 58.4

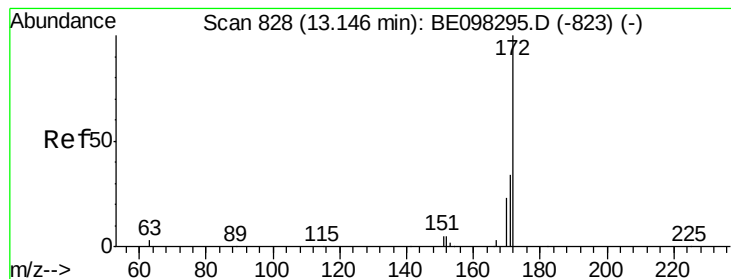


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

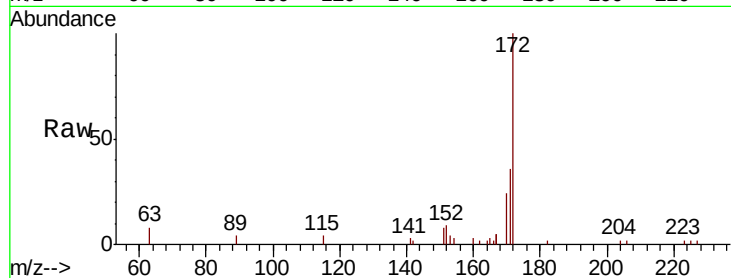




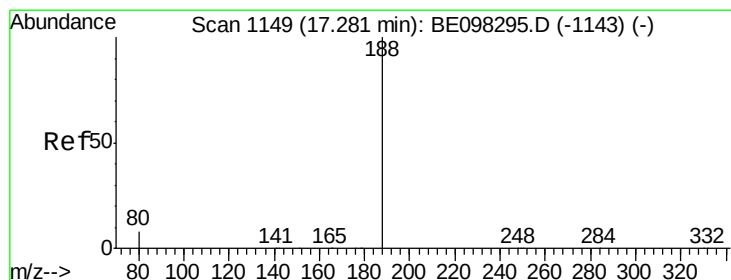
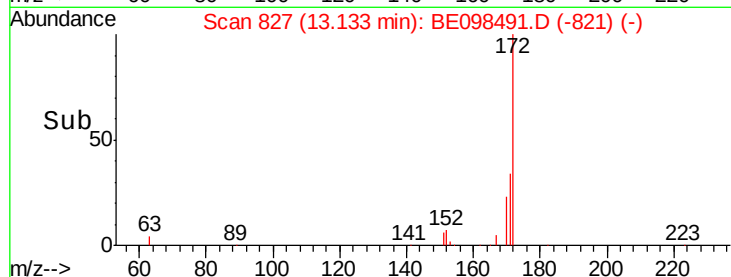
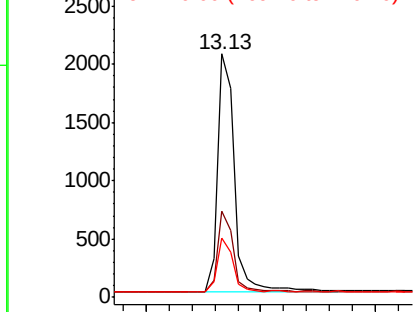
#15  
2-Fluorobiphenyl  
Concen: 0.492 ng  
RT: 13.13 min Scan# 827  
Delta R.T. -0.01 min  
Lab File: BE098491.D  
Acq: 16 Dec 2018 4:16

Instrument :  
BNA\_E  
ClientSampleId :  
DUP-01\_121218

Tot Ion:172 Resp: 4136  
Ion Ratio Lower Upper  
172 100  
171 35.6 27.5 41.3  
170 24.4 19.6 29.4

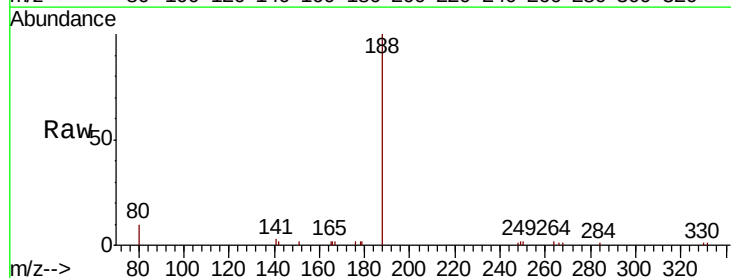


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

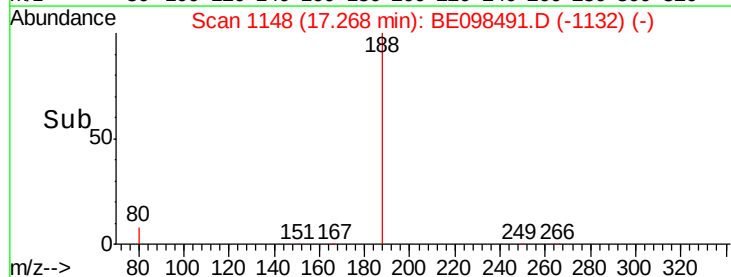
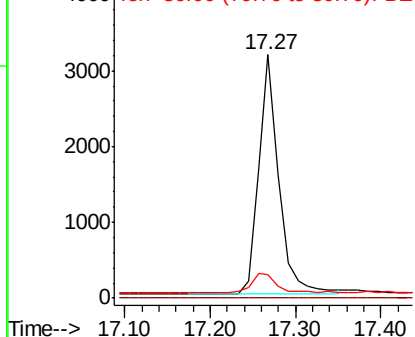


#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.27 min Scan# 1148  
Delta R.T. -0.01 min  
Lab File: BE098491.D  
Acq: 16 Dec 2018 4:16

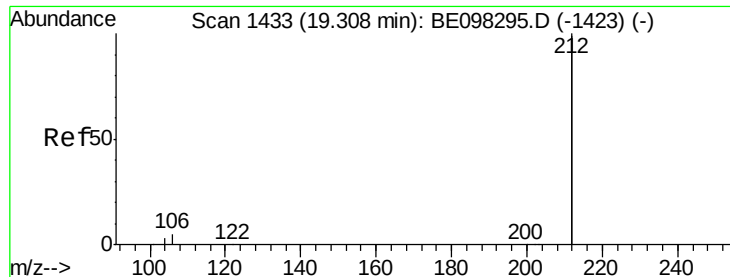
Tgt Ion:188 Resp: 5235  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.9 7.2 10.8



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: 0.525 ng

RT: 19.30 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

Instrument :

BNA\_E

ClientSampleId :

DUP-01\_121218

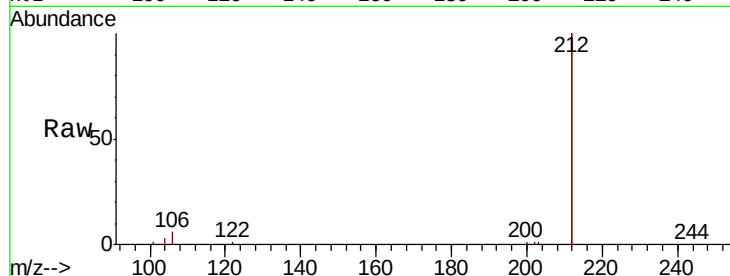
Tot Ion:212 Resp: 35240

Ion Ratio Lower Upper

212 100

106 2.4 2.2 3.2

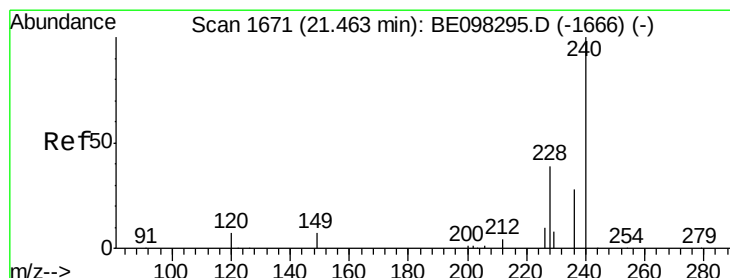
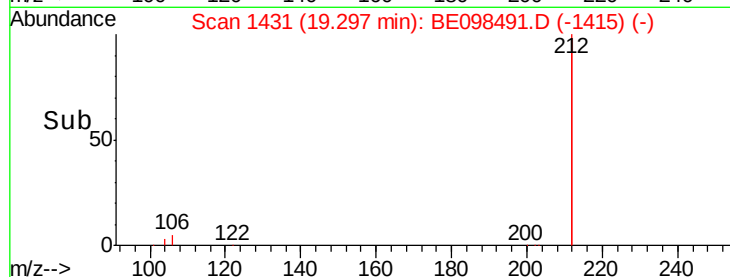
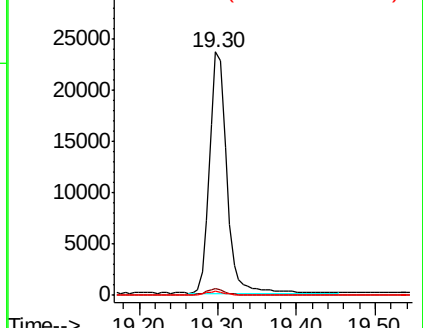
104 1.4 1.3 1.9



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: 21.45 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

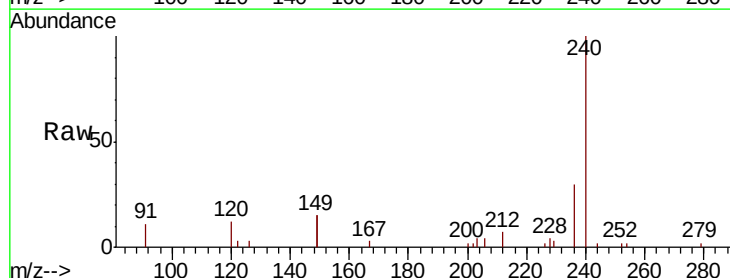
Tgt Ion:240 Resp: 6673

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

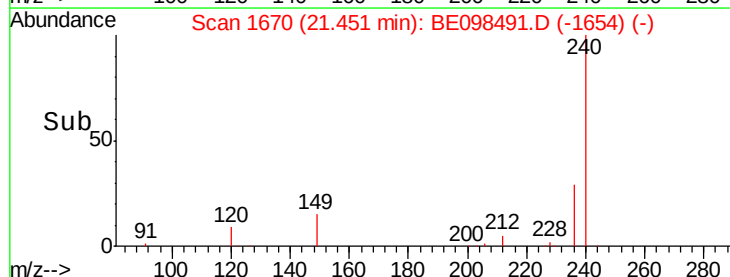
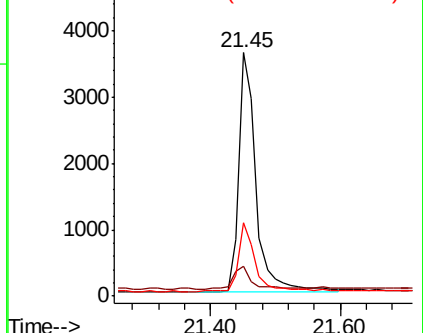
236 30.4 22.7 34.1

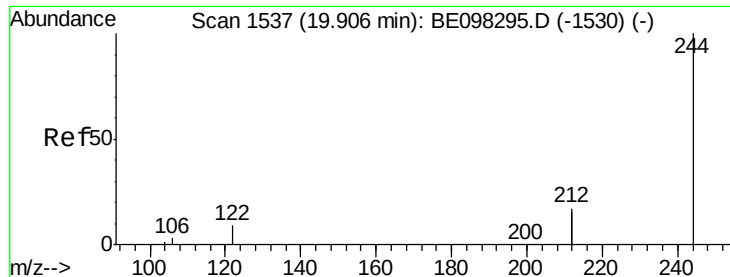


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.472 ng

RT: 19.89 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

Instrument :

BNA\_E

ClientSampleId :

DUP-01\_121218

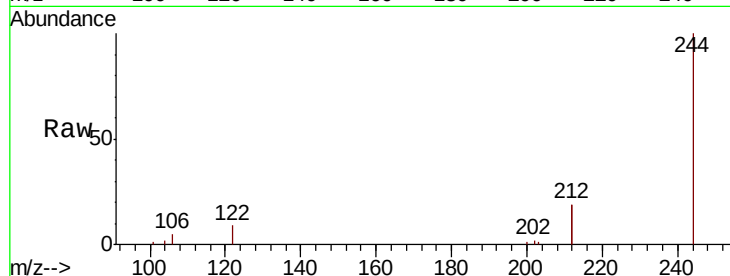
Tot Ion:244 Resp: 7647

Ion Ratio Lower Upper

244 100

212 37.6 27.4 41.0

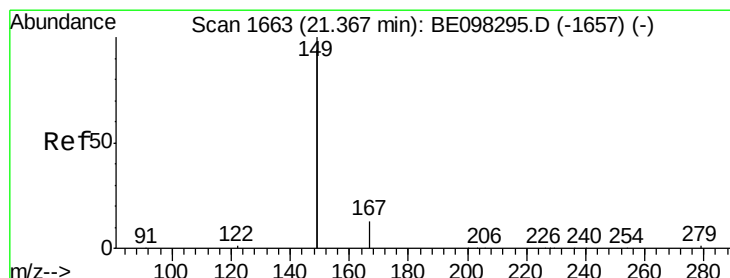
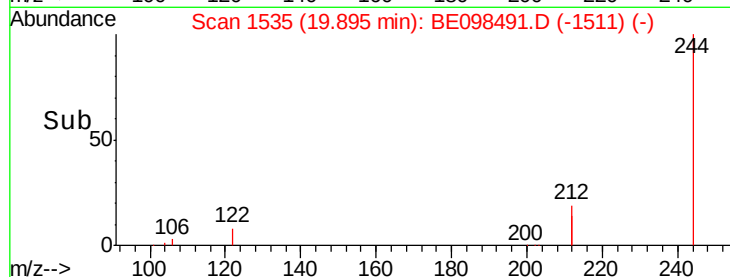
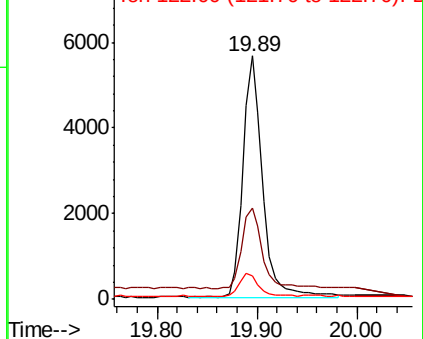
122 9.5 8.3 12.5



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: 0.068 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

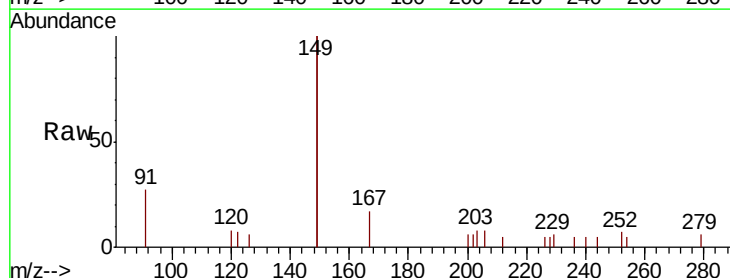
Tgt Ion:149 Resp: 2634

Ion Ratio Lower Upper

149 100

167 6.6 5.7 8.5

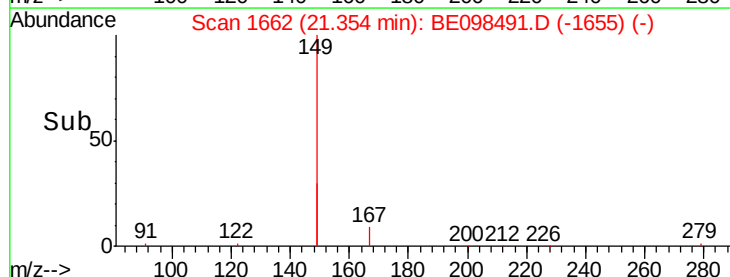
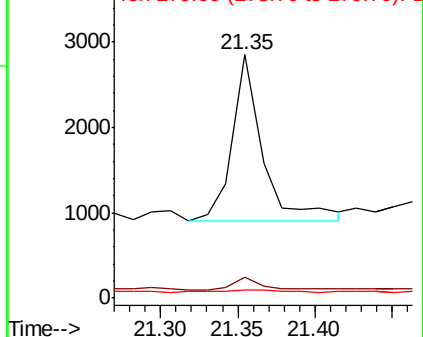
279 2.2 1.0 1.4#

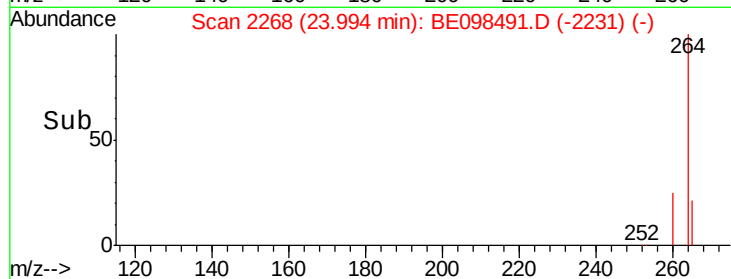
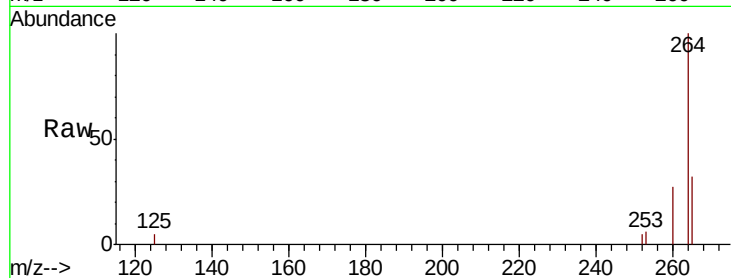
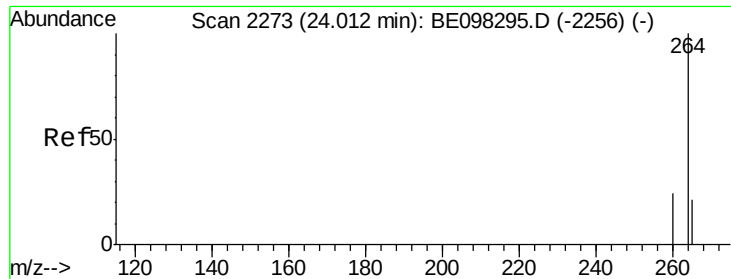


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.99 min Scan# 2268

Delta R.T. -0.02 min

Lab File: BE098491.D

Acq: 16 Dec 2018 4:16

Instrument :

BNA\_E

ClientSampleId :

DUP-01\_121218

Tot Ion:264 Resp: 6342

Ion Ratio Lower Upper

264 100

260 26.9 20.2 30.2

265 31.6 25.2 37.8

