

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE121518\  
 Data File : BE098477.D  
 Acq On : 15 Dec 2018 18:07  
 Operator : SJ/JU  
 Sample : J6405-09  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE108D1-20181210

Quant Time: Dec 16 02:34:37 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

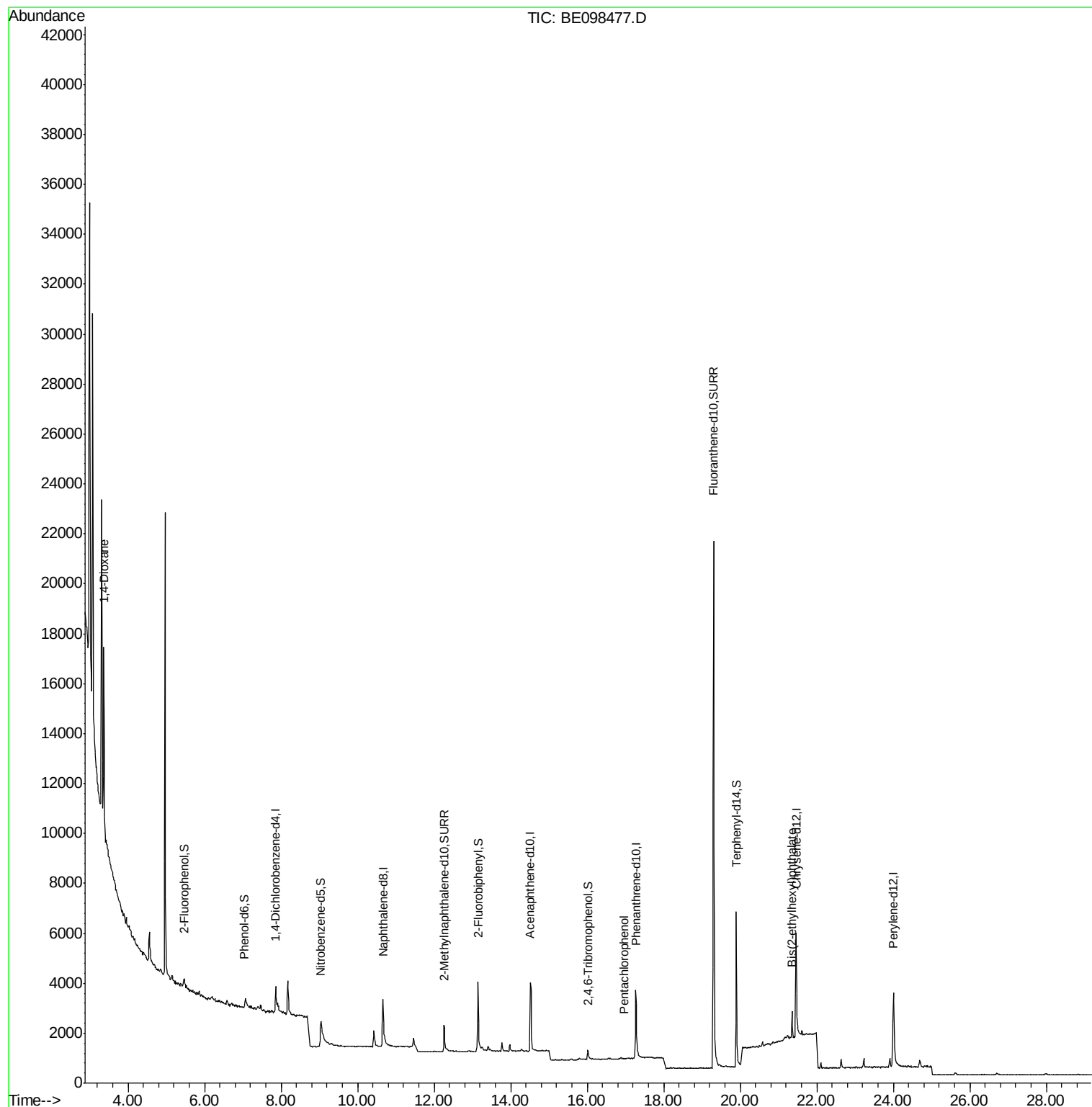
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.86  | 152  | 744      | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.67 | 136  | 3190     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.52 | 164  | 2046     | 0.40  | ng    | -0.01    |
| 19) Phenanthrene-d10           | 17.27 | 188  | 5475     | 0.40  | ng    | -0.01    |
| 27) Chrysene-d12               | 21.46 | 240  | 6215     | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 24.00 | 264  | 5996     | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.46  | 112  | 348      | 0.20  | ng    | 0.01     |
| 5) Phenol-d6                   | 7.05  | 99   | 285      | 0.12  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 9.04  | 82   | 1108     | 0.38  | ng    | 0.02     |
| 11) 2-Methylnaphthalene-d10    | 12.25 | 152  | 2248     | 0.43  | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol       | 16.02 | 330  | 327      | 0.44  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.15 | 172  | 3870     | 0.45  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.30 | 212  | 32321    | 0.46  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.90 | 244  | 6520     | 0.43  | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.36  | 88   | 3645     | 2.833 | ng    | # 94     |
| 22) Pentachlorophenol          | 16.97 | 266  | 15       | 0.047 | ng    | # 72     |
| 32) Bis(2-ethylhexyl)phthalate | 21.35 | 149  | 1115     | 0.031 | ng    | # 93     |

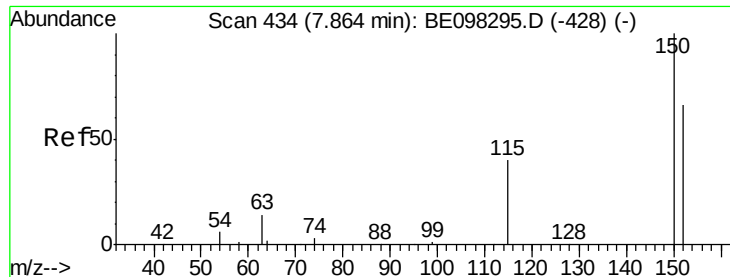
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE121518\  
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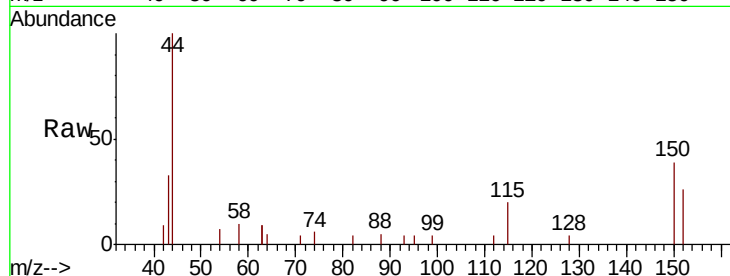


#1

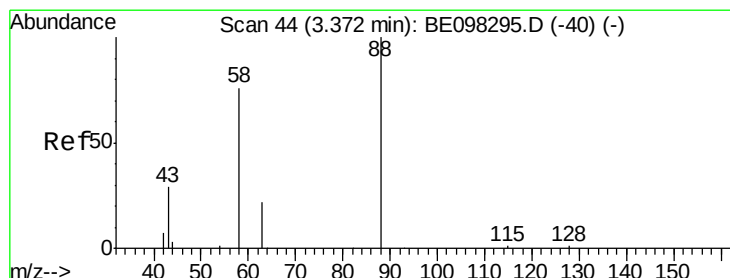
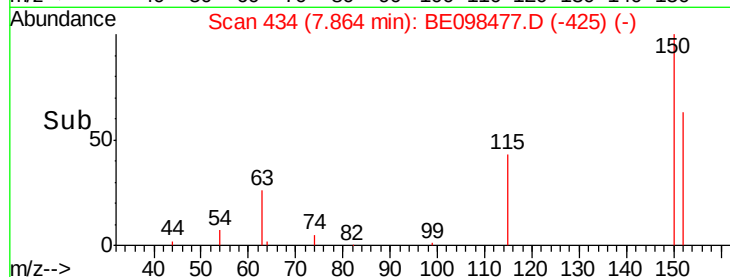
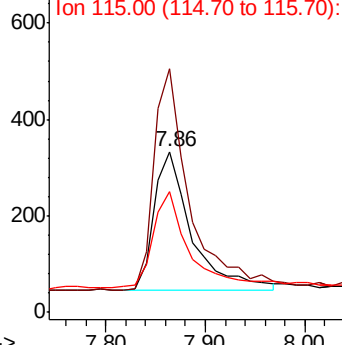
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. 0.00 min  
Lab File: BE098477.D  
Acq: 15 Dec 2018 18:07

Instrument :  
BNA\_E  
ClientSampleId :  
RE108D1-20181210

Tgt Ion: 152 Resp: 744  
Ion Ratio Lower Upper  
152 100  
150 151.7 124.2 186.4  
115 75.4 53.9 80.9



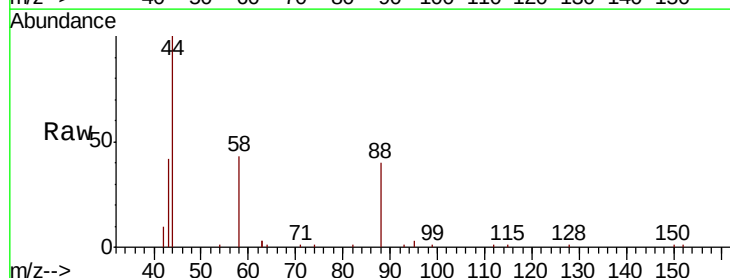
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



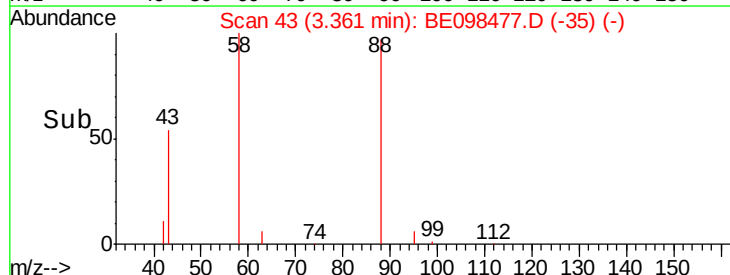
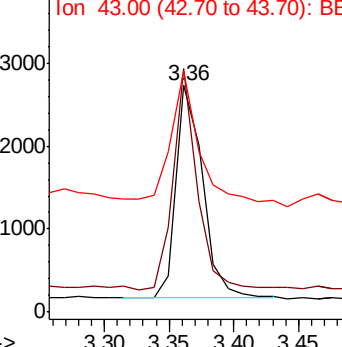
#2

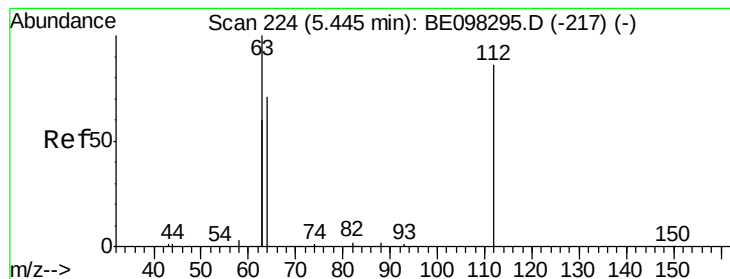
1,4-Dioxane  
Concen: 2.833 ng  
RT: 3.36 min Scan# 43  
Delta R.T. -0.01 min  
Lab File: BE098477.D  
Acq: 15 Dec 2018 18:07

Tgt Ion: 88 Resp: 3645  
Ion Ratio Lower Upper  
88 100  
58 93.9 75.0 112.6  
43 60.6 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: 0.200 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098477.D

Acq: 15 Dec 2018 18:07

Instrument :

BNA\_E

ClientSampleId :

RE108D1-20181210

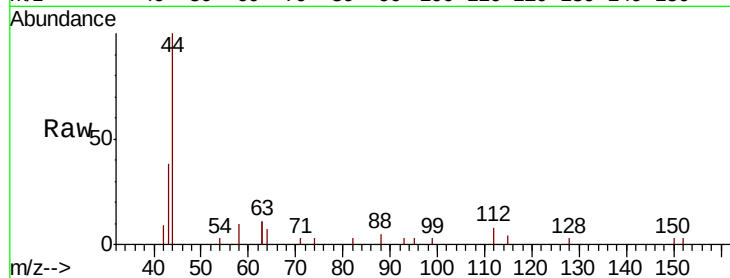
Tgt Ion: 112 Resp: 348

Ion Ratio Lower Upper

112 100

64 73.6 59.8 89.8

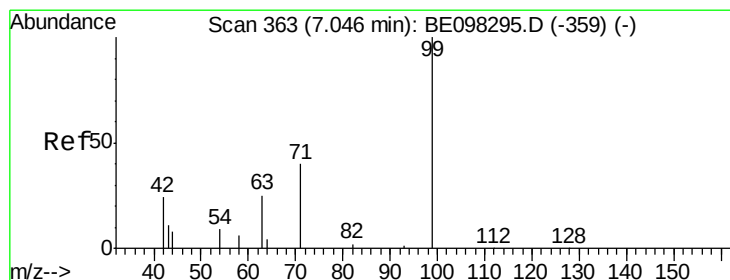
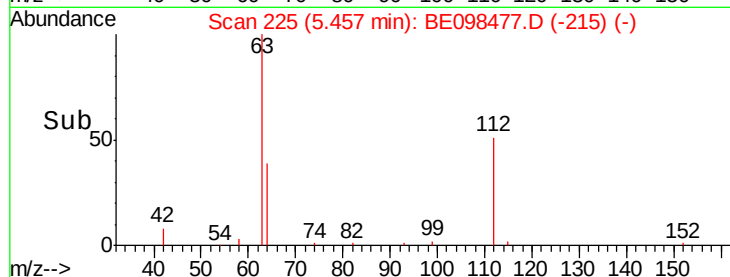
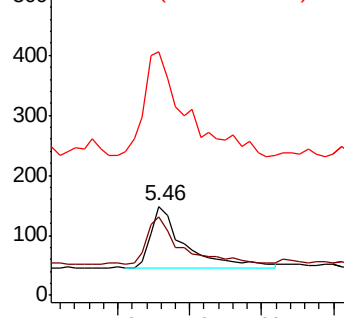
63 200.9 133.7 200.5#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.116 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098477.D

Acq: 15 Dec 2018 18:07

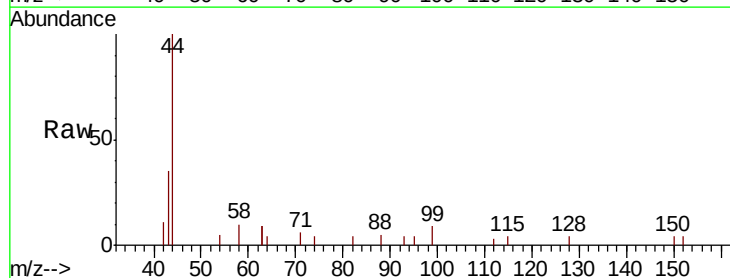
Tgt Ion: 99 Resp: 285

Ion Ratio Lower Upper

99 100

42 55.1 26.3 39.5#

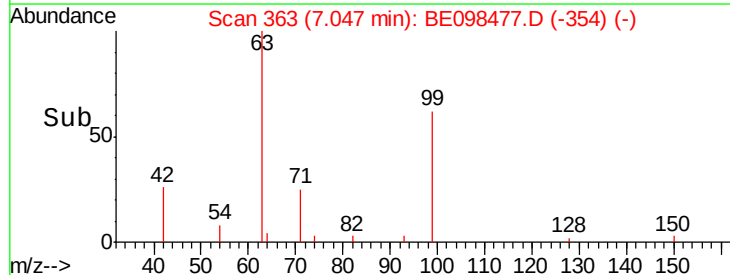
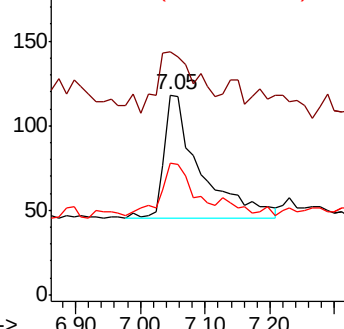
71 36.1 33.6 50.4

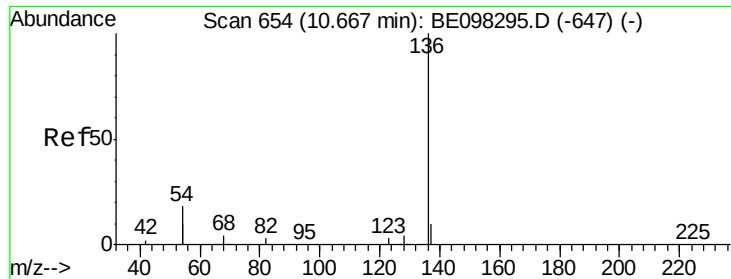


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE098477.D

Acq: 15 Dec 2018 18:07

Instrument :

BNA\_E

ClientSampleId :

RE108D1-20181210

Tgt Ion: 136 Resp: 3190

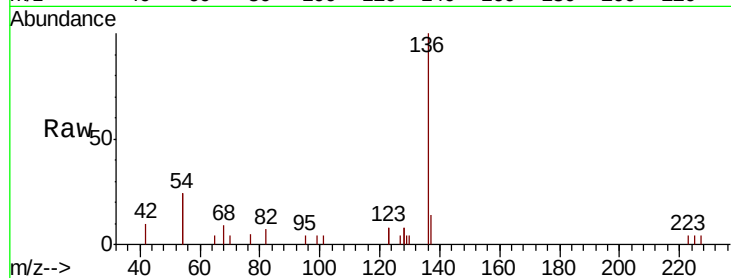
Ion Ratio Lower Upper

136 100

137 14.4 9.2 13.8#

54 48.9 28.4 42.6#

68 8.9 5.4 8.0#

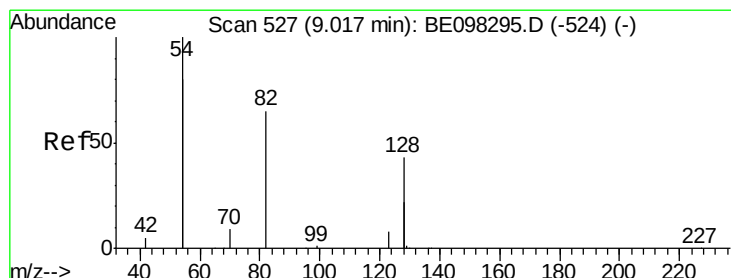
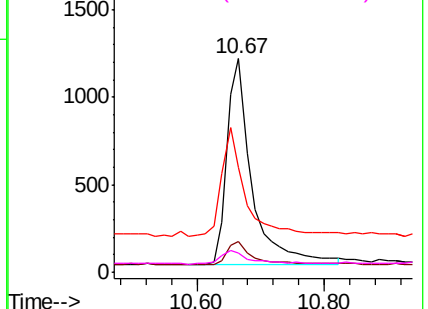
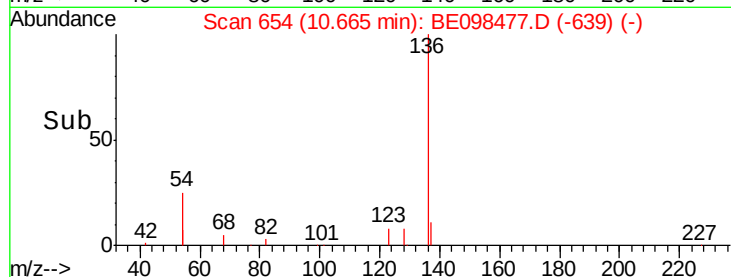


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.382 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.02 min

Lab File: BE098477.D

Acq: 15 Dec 2018 18:07

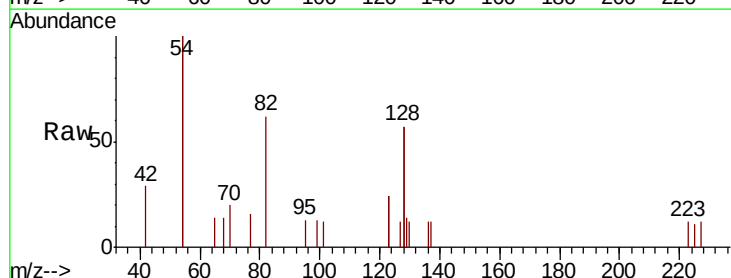
Tgt Ion: 82 Resp: 1108

Ion Ratio Lower Upper

82 100

128 184.0 102.4 153.6#

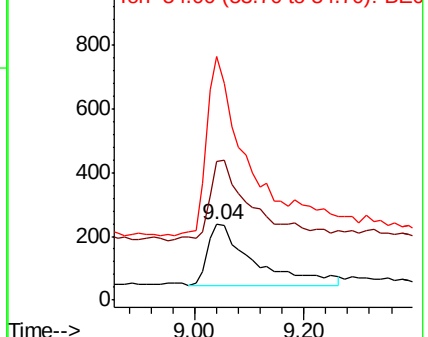
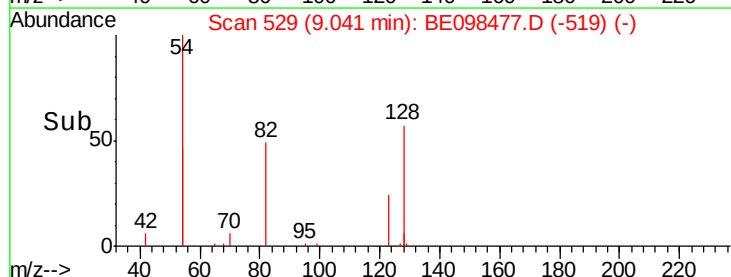
54 322.4 221.8 332.8

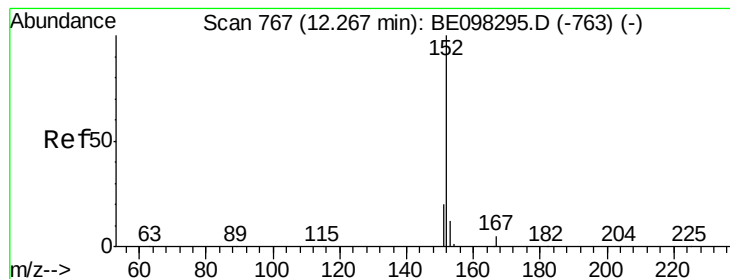


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.433 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.01 min

Lab File: BE098477.D

Acq: 15 Dec 2018 18:07

Instrument :

BNA\_E

ClientSampleId :

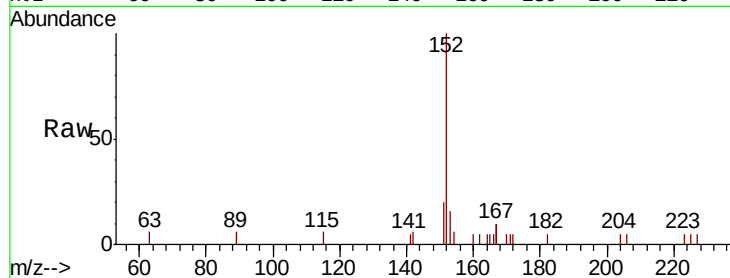
RE108D1-20181210

Tgt Ion:152 Resp: 2248

Ion Ratio Lower Upper

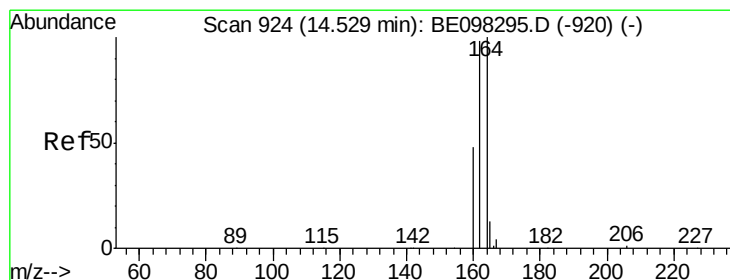
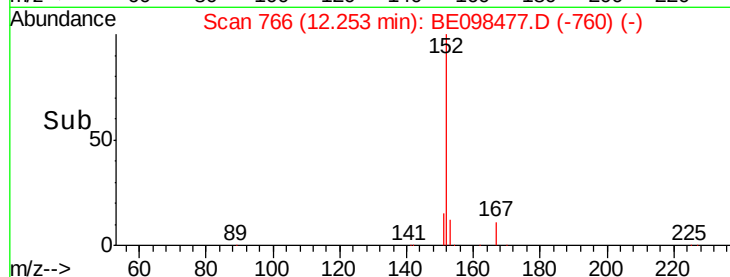
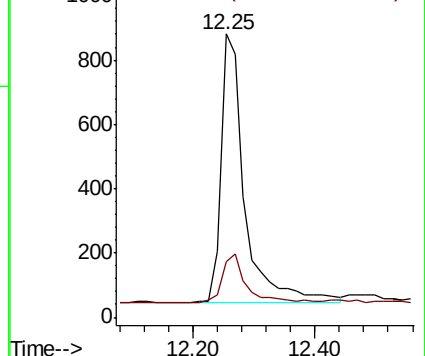
152 100

151 18.0 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: 14.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098477.D

Acq: 15 Dec 2018 18:07

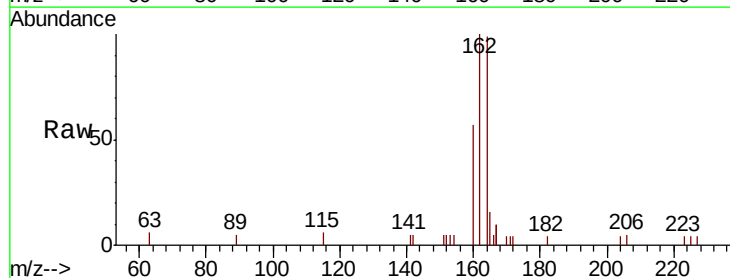
Tgt Ion:164 Resp: 2046

Ion Ratio Lower Upper

164 100

162 101.4 77.6 116.4

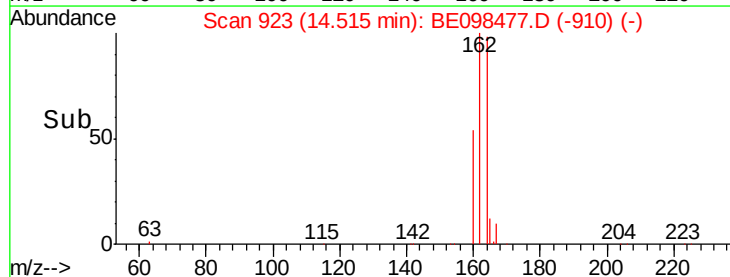
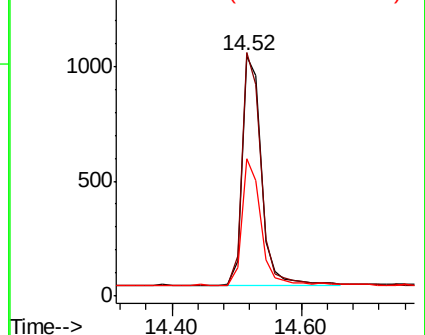
160 57.5 36.0 54.0#

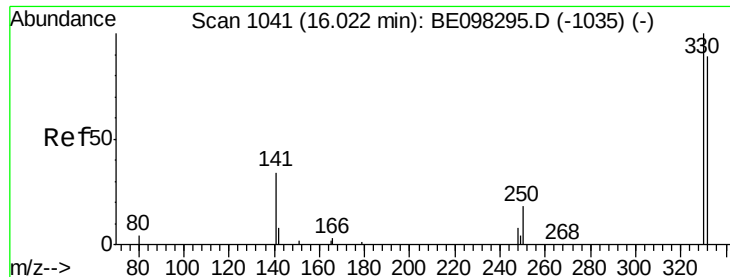


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

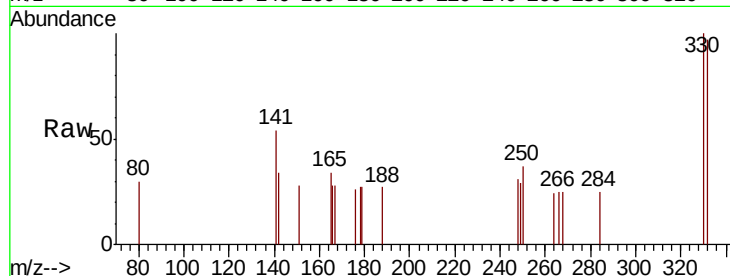




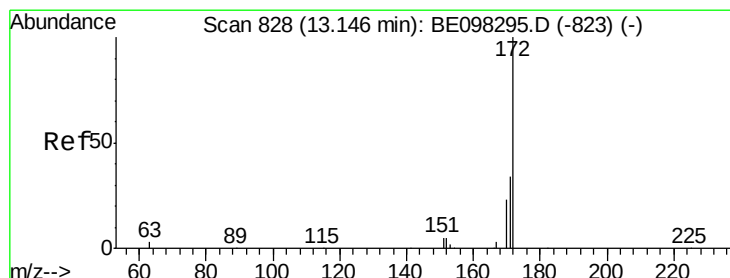
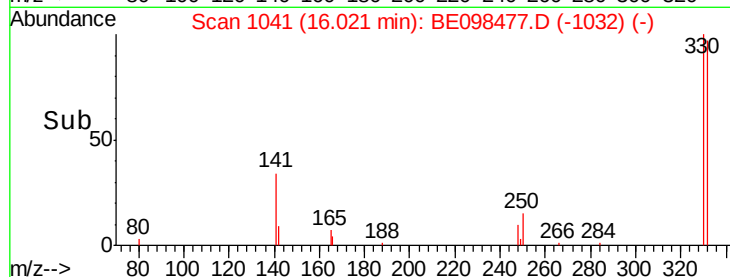
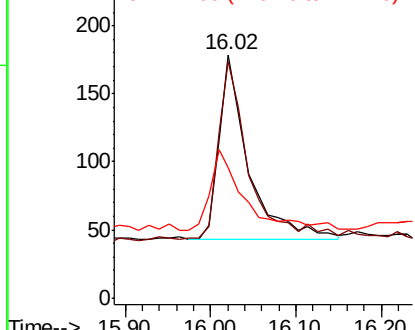
#14  
 2,4,6-Tribromophenol  
 Concen: 0.435 ng  
 RT: 16.02 min Scan# 1041  
 Delta R.T. -0.00 min  
 Lab File: BE098477.D  
 Acq: 15 Dec 2018 18:07

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE108D1-20181210

Tgt Ion: 330 Resp: 327  
 Ion Ratio Lower Upper  
 330 100  
 332 104.6 76.2 114.4  
 141 49.5 39.0 58.4

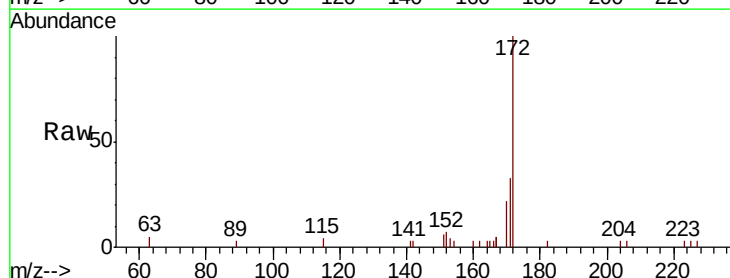


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

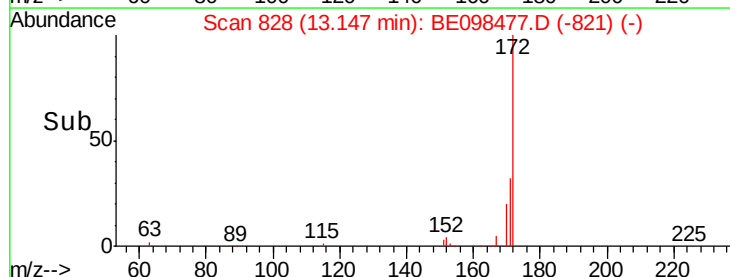
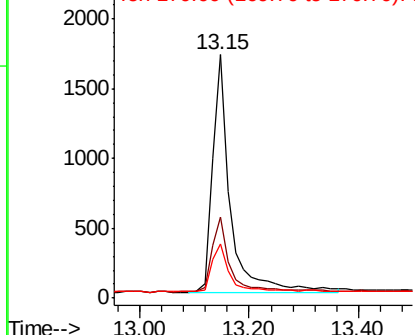


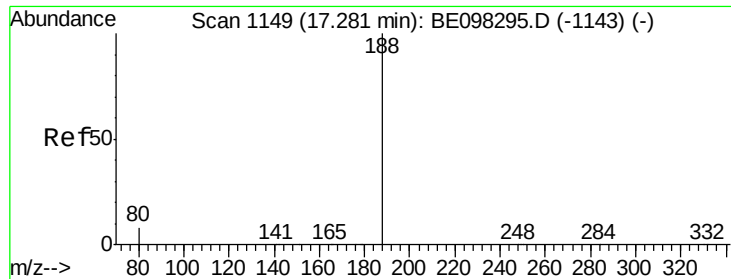
#15  
 2-Fluorobiphenyl  
 Concen: 0.448 ng  
 RT: 13.15 min Scan# 828  
 Delta R.T. 0.00 min  
 Lab File: BE098477.D  
 Acq: 15 Dec 2018 18:07

Tgt Ion: 172 Resp: 3870  
 Ion Ratio Lower Upper  
 172 100  
 171 33.3 27.5 41.3  
 170 22.5 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: BE098477.D

Acq: 15 Dec 2018 18:07

Instrument :

BNA\_E

ClientSampleId :

RE108D1-20181210

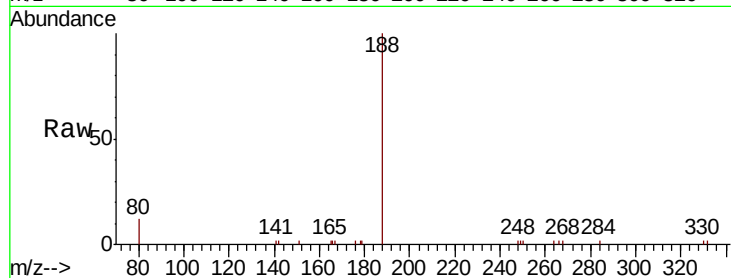
Tgt Ion:188 Resp: 5475

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

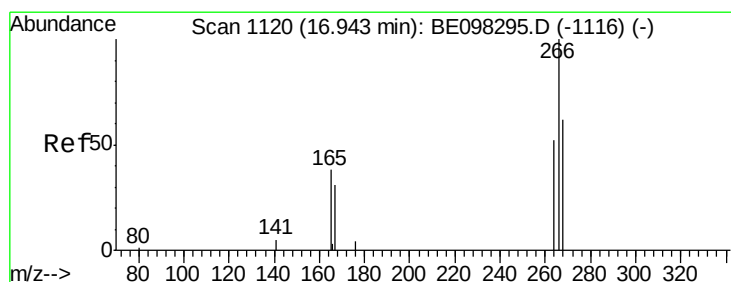
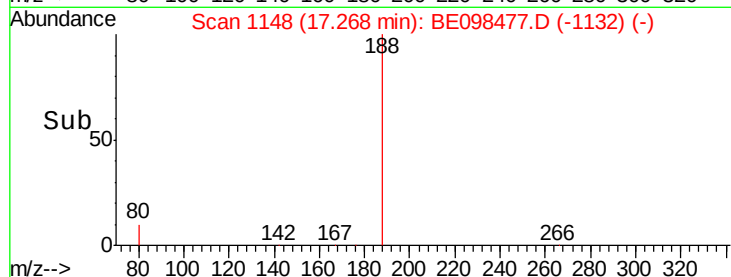
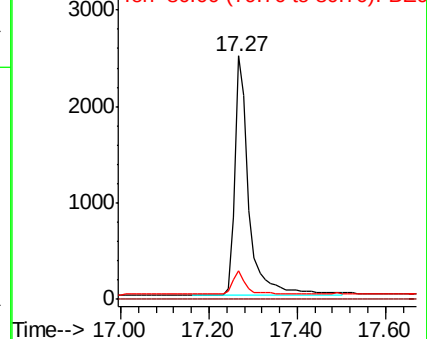
80 11.8 7.2 10.8#



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



#22

Pentachlorophenol

Concen: 0.047 ng

RT: 16.97 min Scan# 1122

Delta R.T. 0.02 min

Lab File: BE098477.D

Acq: 15 Dec 2018 18:07

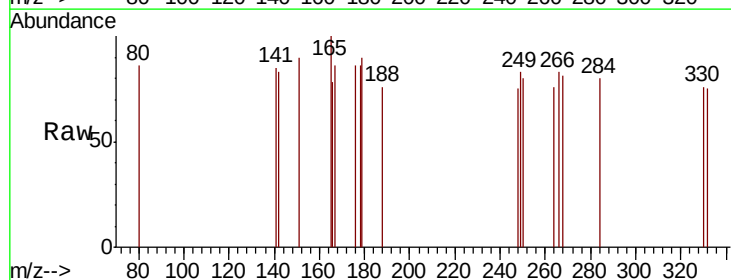
Tgt Ion:266 Resp: 15

Ion Ratio Lower Upper

266 100

264 91.8 59.0 88.4#

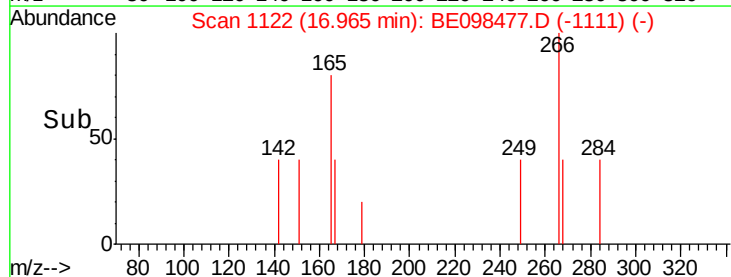
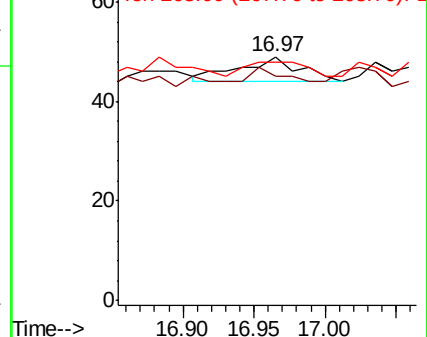
268 98.0 55.1 82.7#



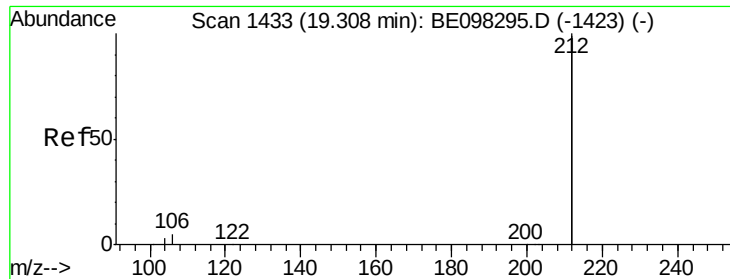
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E







#25

Fluoranthene-d10

Concen: 0.460 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE098477.D

Acq: 15 Dec 2018 18:07

Instrument :

BNA\_E

ClientSampleId :

RE108D1-20181210

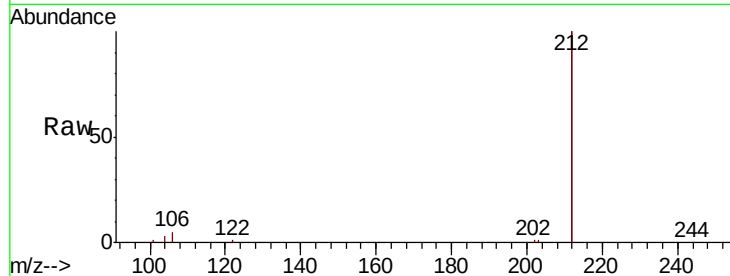
Tgt Ion:212 Resp: 32321

Ion Ratio Lower Upper

212 100

106 2.4 2.2 3.2

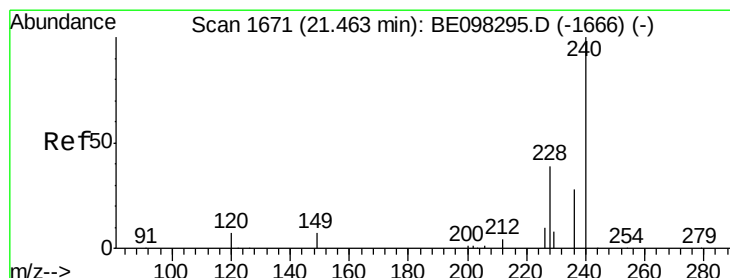
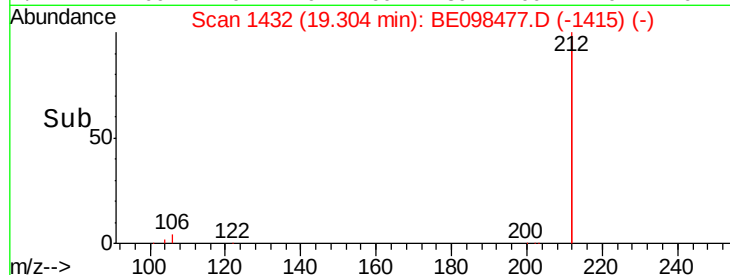
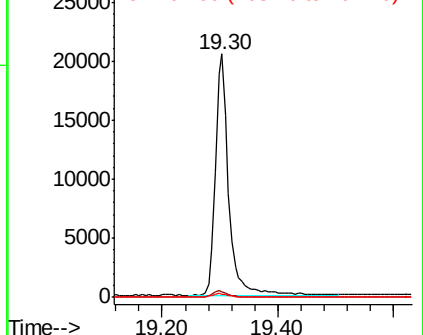
104 1.5 1.3 1.9



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: BE098477.D

Acq: 15 Dec 2018 18:07

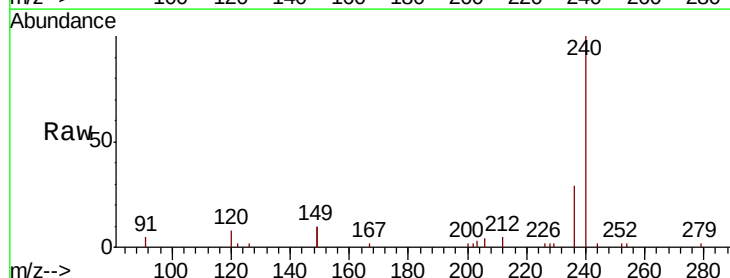
Tgt Ion:240 Resp: 6215

Ion Ratio Lower Upper

240 100

120 7.7 9.5 14.3#

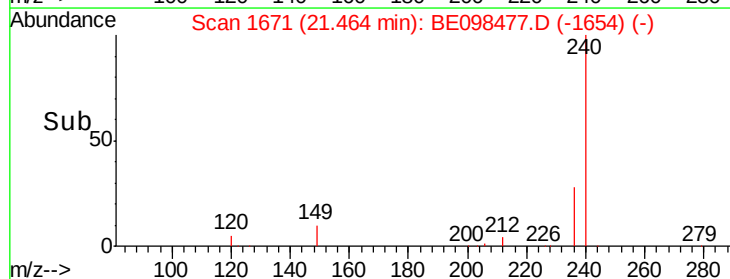
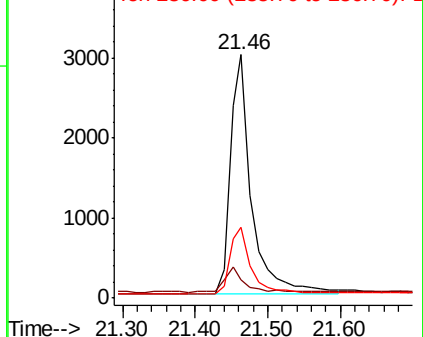
236 29.0 22.7 34.1

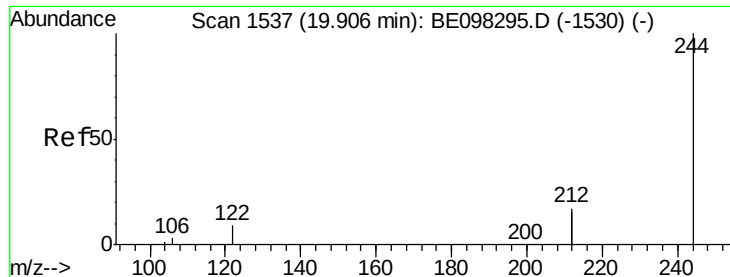


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.432 ng

RT: 19.90 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BE098477.D

Acq: 15 Dec 2018 18:07

Instrument :

BNA\_E

ClientSampleId :

RE108D1-20181210

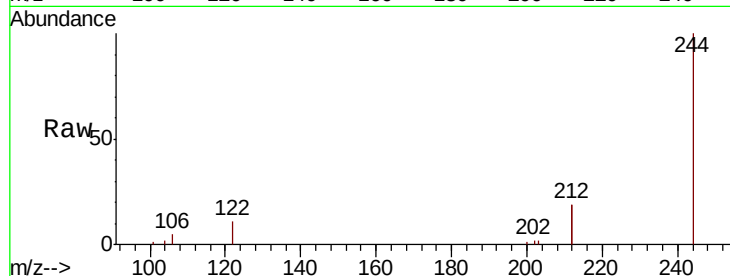
Tgt Ion:244 Resp: 6520

Ion Ratio Lower Upper

244 100

212 37.9 27.4 41.0

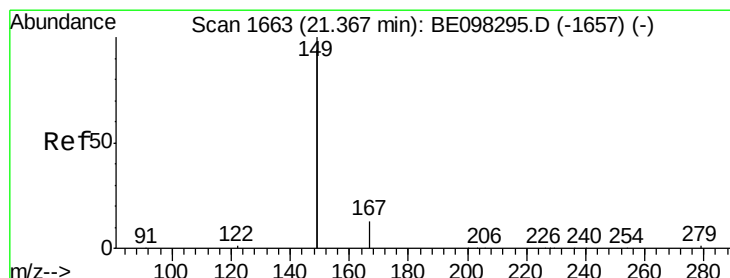
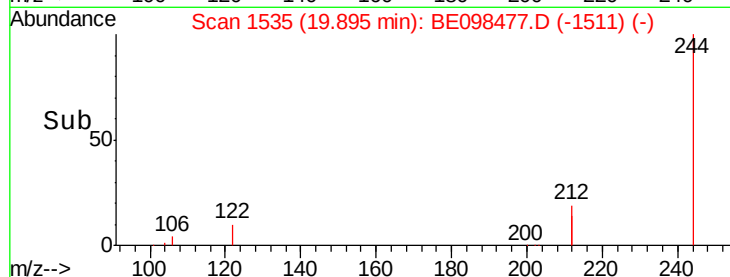
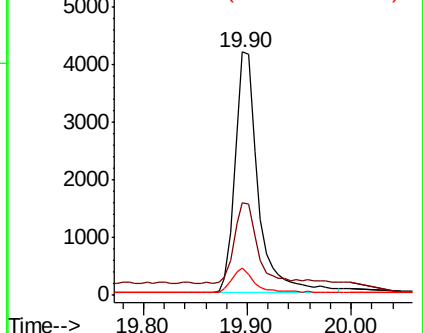
122 11.2 8.3 12.5



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: 0.031 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098477.D

Acq: 15 Dec 2018 18:07

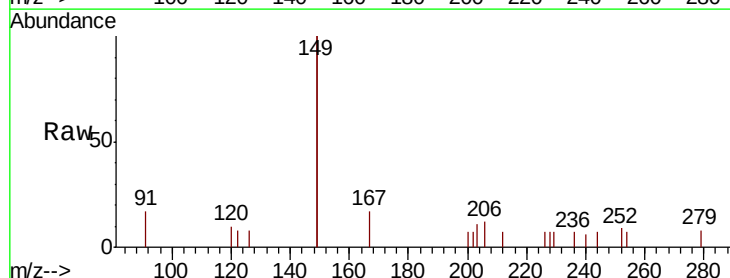
Tgt Ion:149 Resp: 1115

Ion Ratio Lower Upper

149 100

167 10.0 5.7 8.5#

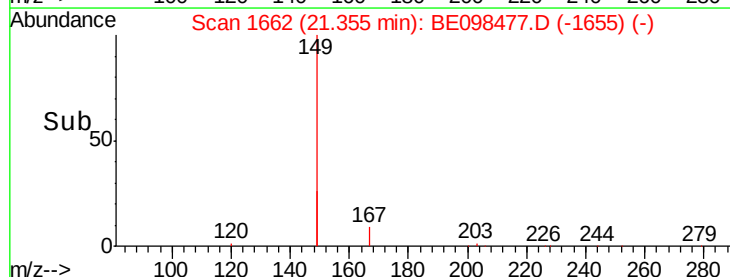
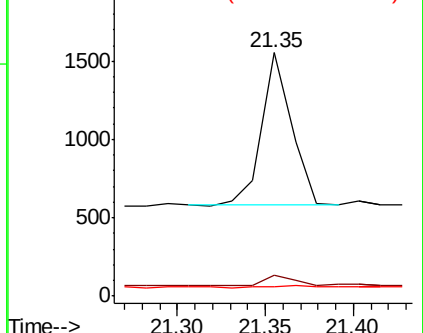
279 1.8 1.0 1.4#

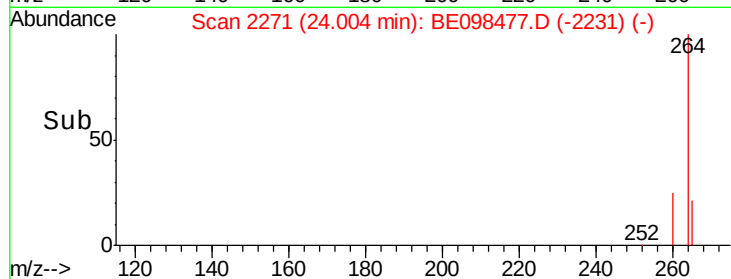
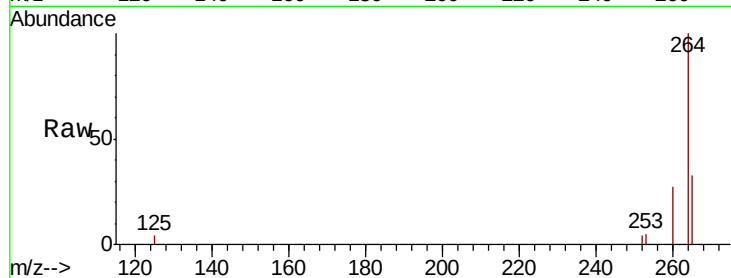
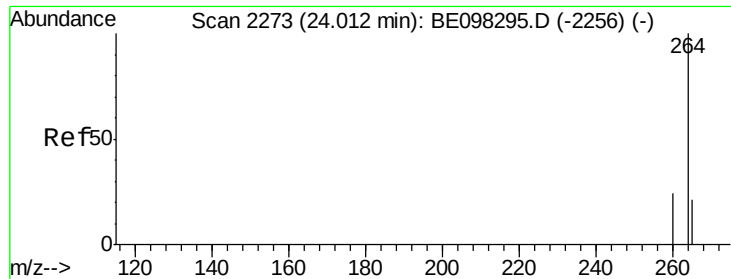


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2271

Delta R.T. -0.01 min

Lab File: BE098477.D

Acq: 15 Dec 2018 18:07

Instrument :

BNA\_E

ClientSampleId :

RE108D1-20181210

Tgt Ion: 264 Resp: 5996

Ion Ratio Lower Upper

264 100

260 26.5 20.2 30.2

265 32.5 25.2 37.8

