

Data Path : Z:\HPCHEM1\BNA E\DATA\BE043018\  
 Data File : BE096218.D  
 Acq On : 30 Apr 2018 12:58  
 Operator : SJ/JU  
 Sample : J2463-06  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Apr 30 14:29:16 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 30 14:27:29 2018  
 Response via : Initial Calibration

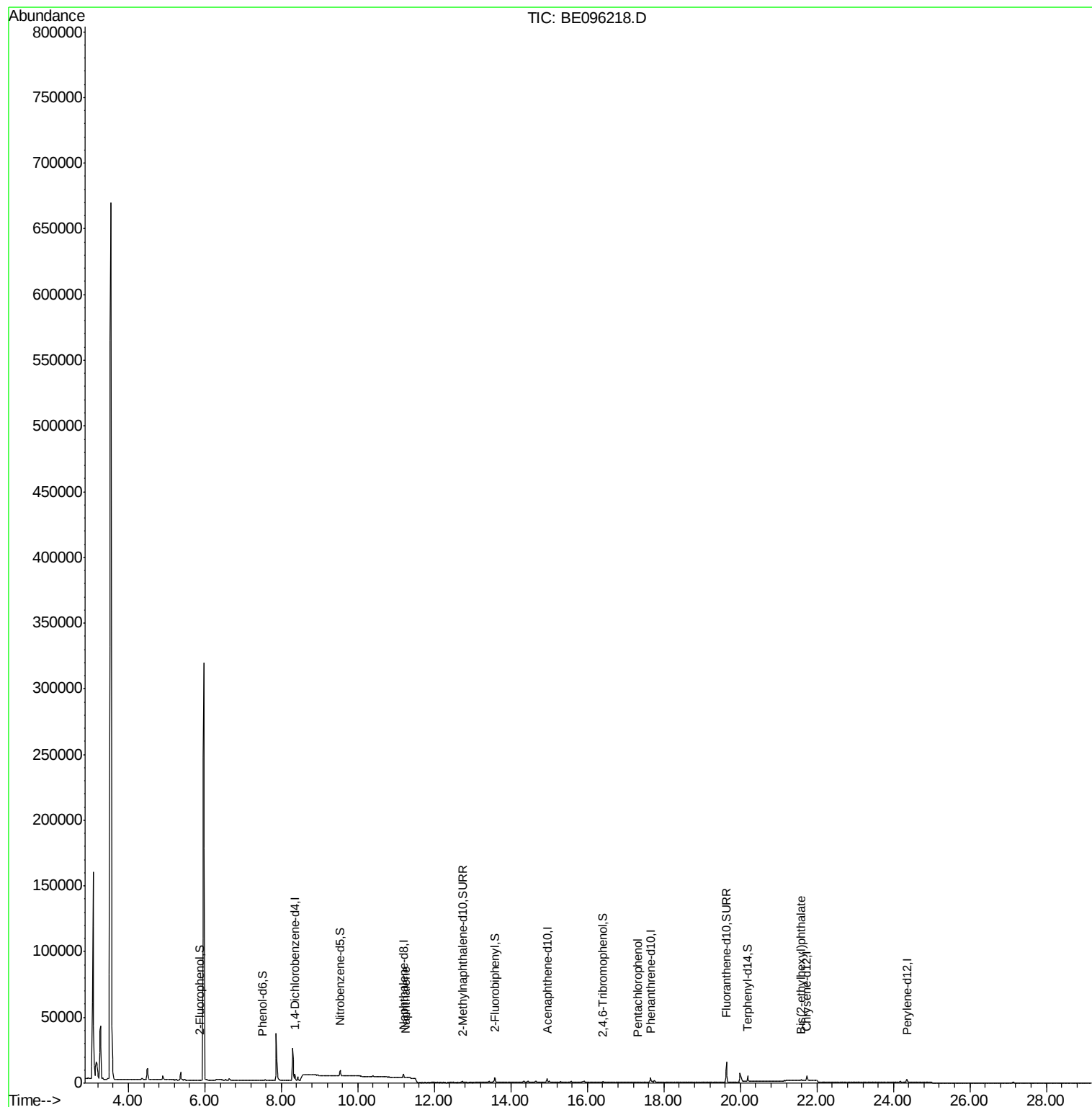
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 8.36  | 152  | 844      | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 11.19 | 136  | 3028     | 0.40  | ng    | 0.00        |
| 13) Acenaphthene-d10           | 14.95 | 164  | 1558     | 0.40  | ng    | 0.00        |
| 19) Phenanthrene-d10           | 17.65 | 188  | 3751     | 0.40  | ng    | 0.00        |
| 27) Chrysene-d12               | 21.74 | 240  | 3923     | 0.40  | ng    | 0.00        |
| 34) Perylene-d12               | 24.35 | 264  | 3646     | 0.40  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.87  | 112  | 82       | 0.03  | ng    | 0.00        |
| 5) Phenol-d6                   | 7.51  | 99   | 227      | 0.06  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 9.54  | 82   | 1469     | 0.41  | ng    | 0.00        |
| 11) 2-Methylnaphthalene-d10    | 12.74 | 152  | 1782     | 0.37  | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol       | 16.41 | 330  | 91       | 0.12  | ng    | 0.00        |
| 15) 2-Fluorobiphenyl           | 13.57 | 172  | 2910     | 0.44  | ng    | 0.00        |
| 25) Fluoranthene-d10           | 19.64 | 212  | 19824    | 0.39  | ng    | 0.00        |
| 29) Terphenyl-d14              | 20.19 | 244  | 3452     | 0.40  | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 9) Naphthalene                 | 11.24 | 128  | 868      | 0.027 | ng    | Qvalue # 77 |
| 22) Pentachlorophenol          | 17.31 | 266  | 15       | 0.150 | ng    | 95          |
| 32) Bis(2-ethylhexyl)phthalate | 21.60 | 149  | 1325     | 0.041 | ng    | # 97        |

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

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ALS Vial : 7 Sample Multiplier: 1

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BNA\_E  
ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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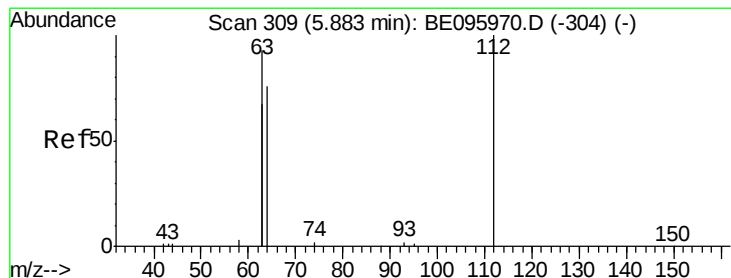
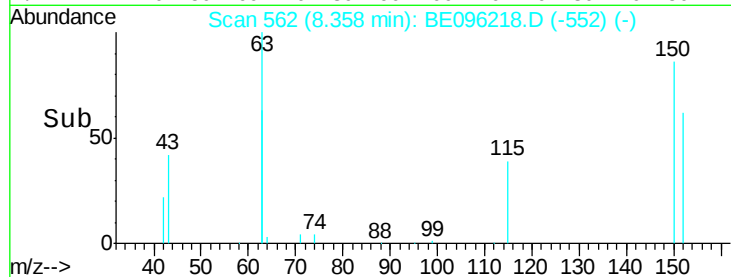
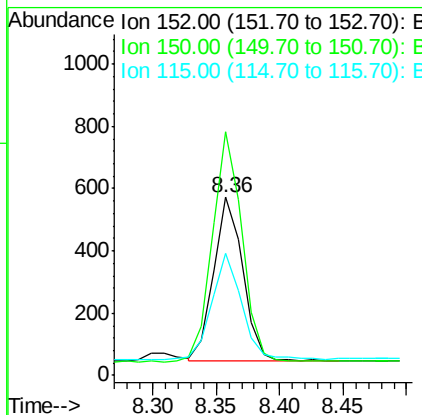
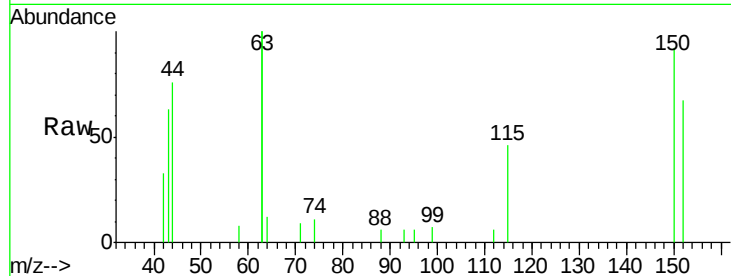


#1

1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.36 min Scan# 562  
 Delta R.T. -0.00 min  
 Lab File: BE096218.D  
 Acq: 30 Apr 2018 12:58

Instrument :  
 BNA\_E  
 ClientSampleId :

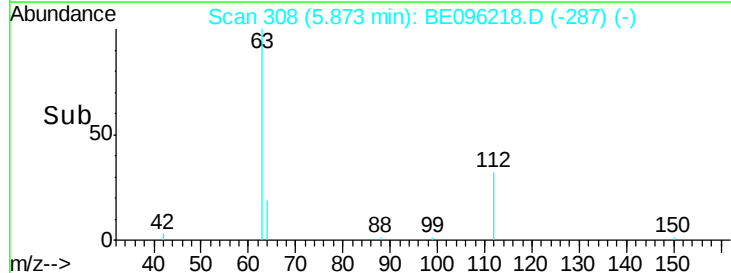
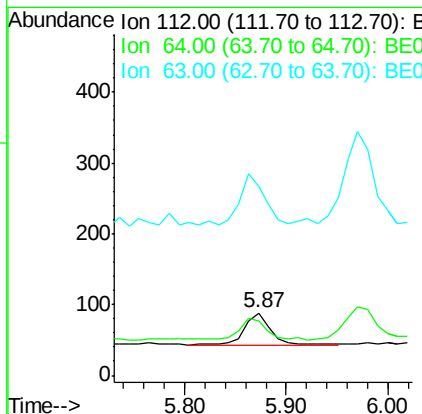
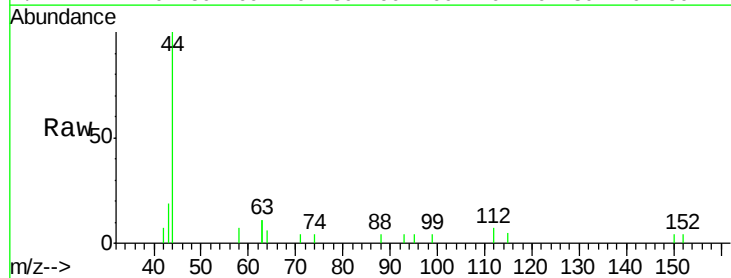
Tot Ion:152 Resp: 844  
 Ion Ratio Lower Upper  
 152 100  
 150 136.7 117.2 175.8  
 115 68.5 57.0 85.6



#4

2-Fluorophenol  
 Concen: 0.031 ng  
 RT: 5.87 min Scan# 308  
 Delta R.T. 0.01 min  
 Lab File: BE096218.D  
 Acq: 30 Apr 2018 12:58

Tgt Ion:112 Resp: 82  
 Ion Ratio Lower Upper  
 112 100  
 64 69.5 60.1 90.1  
 63 154.9 116.8 175.2





#5

Phenol-d6

Concen: 0.063 ng

RT: 7.51 min Scan# 475

Delta R.T. -0.00 min

Lab File: BE096218.D

Acq: 30 Apr 2018 12:58

Instrument :

BNA\_E

ClientSampleId :

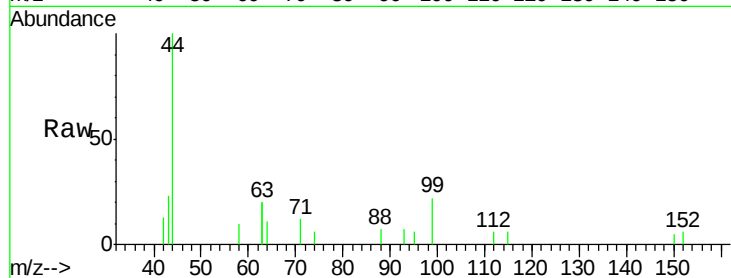
Tot Ion: 99 Resp: 227

Ion Ratio Lower Upper

99 100

42 38.8 20.2 30.2#

71 60.4 28.4 42.6#

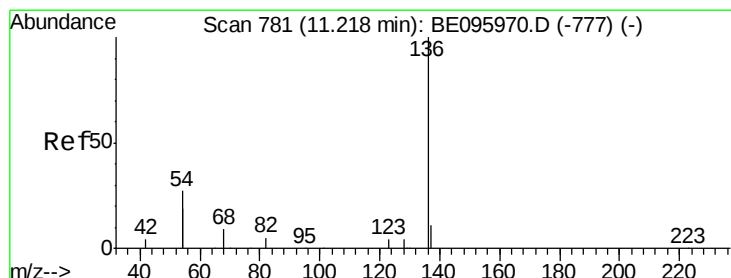
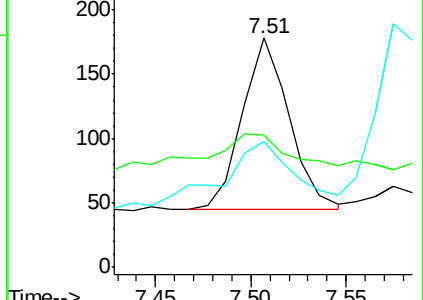
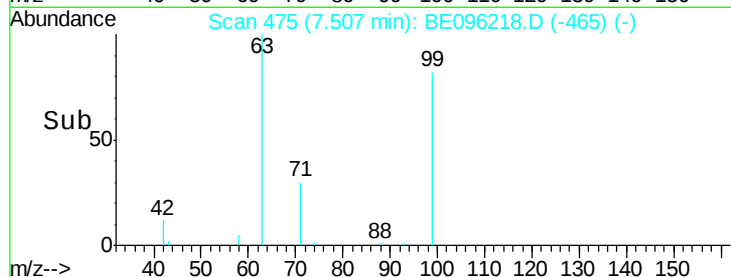


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. -0.00 min

Lab File: BE096218.D

Acq: 30 Apr 2018 12:58

Tgt Ion: 136 Resp: 3028

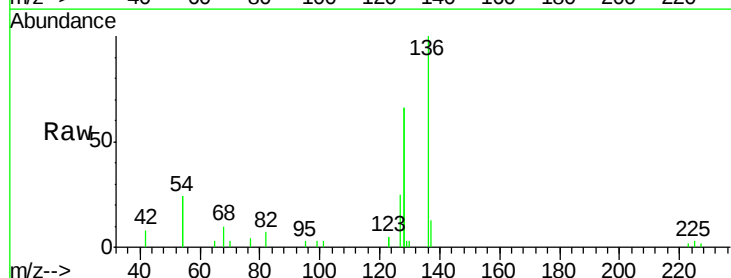
Ion Ratio Lower Upper

136 100

137 13.1 9.5 14.3

54 47.5 29.1 43.7#

68 10.1 6.2 9.2#



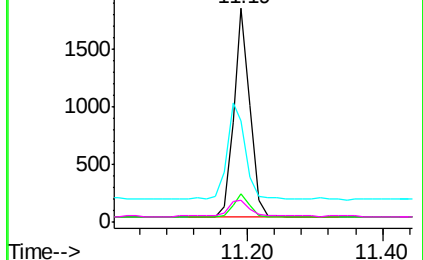
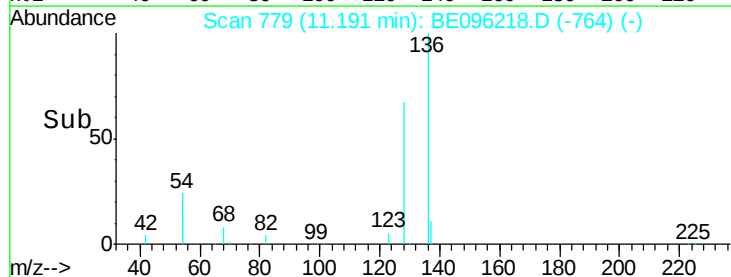
Abundance Ion 136.00 (135.70 to 136.70): E

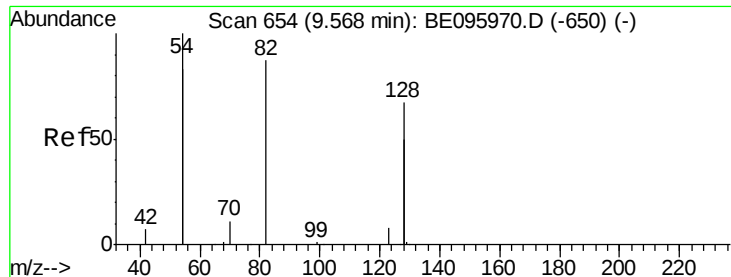
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->





#8

Nitrobenzene-d5

Concen: 0.414 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE096218.D

Acq: 30 Apr 2018 12:58

Instrument :

BNA\_E

ClientSampleId :

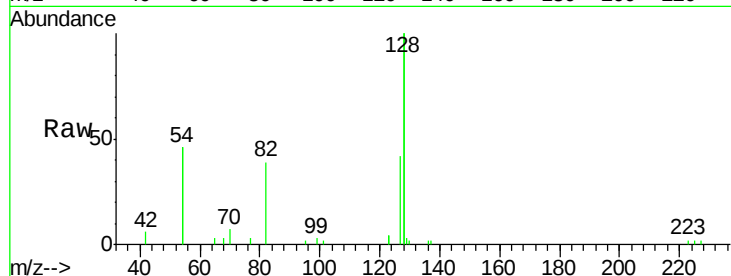
Tot Ion: 82 Resp: 1469

Ion Ratio Lower Upper

82 100

128 506.8 150.0 225.0#

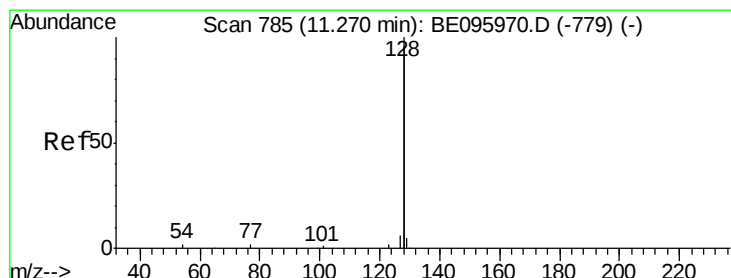
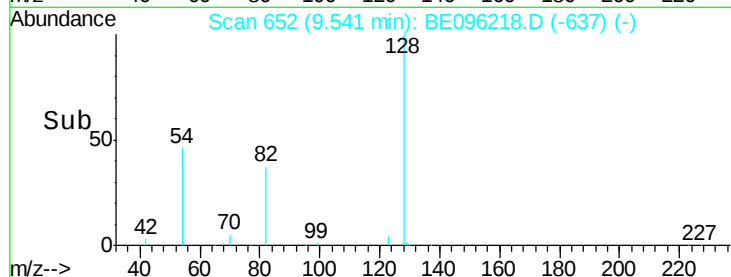
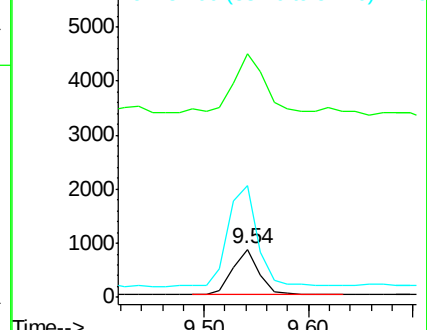
54 233.8 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE095970.D (-650) (-)

Ion 128.00 (127.70 to 128.70): BE095970.D (-650) (-)

Ion 54.00 (53.70 to 54.70): BE095970.D (-650) (-)



#9

Naphthalene

Concen: 0.027 ng

RT: 11.24 min Scan# 783

Delta R.T. -0.00 min

Lab File: BE096218.D

Acq: 30 Apr 2018 12:58

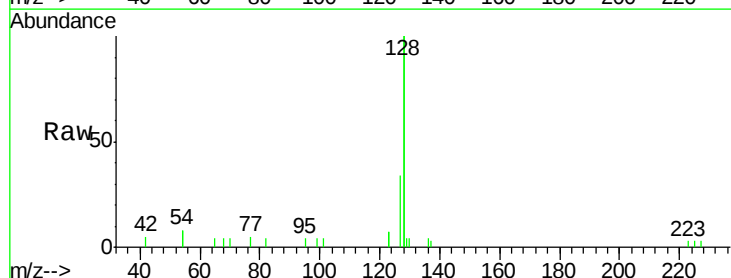
Tgt Ion: 128 Resp: 868

Ion Ratio Lower Upper

128 100

129 2.1 2.6 3.8#

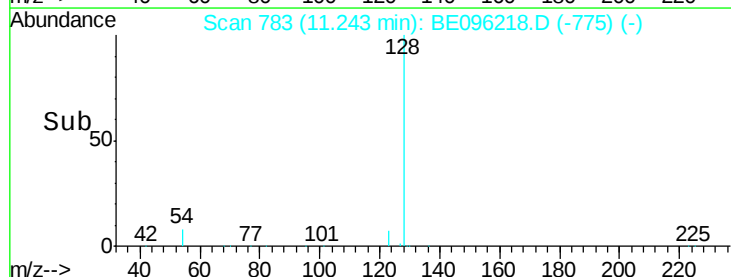
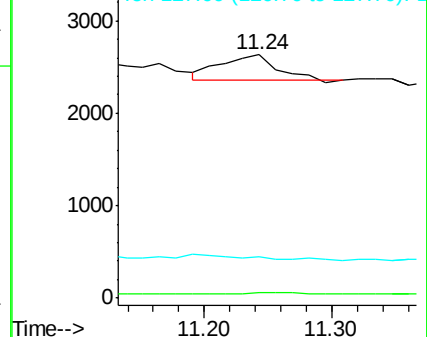
127 17.1 2.8 4.2#

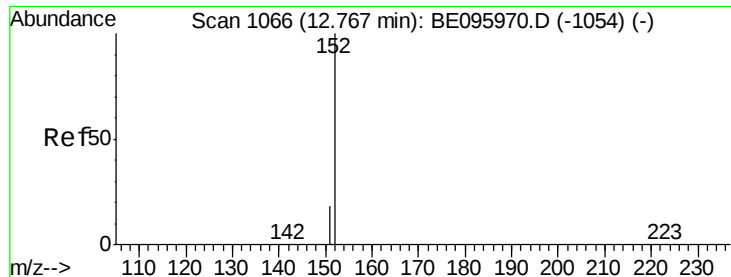


Abundance Ion 128.00 (127.70 to 128.70): BE095970.D (-779) (-)

Ion 129.00 (128.70 to 129.70): BE095970.D (-779) (-)

Ion 127.00 (126.70 to 127.70): BE095970.D (-779) (-)

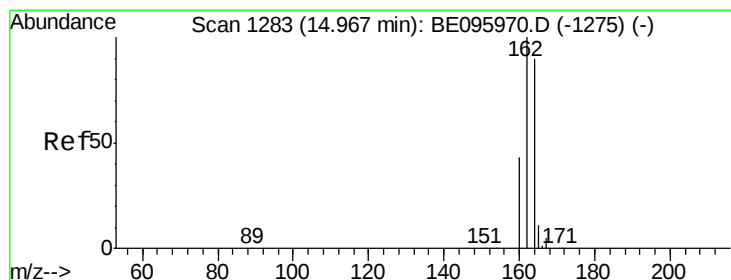
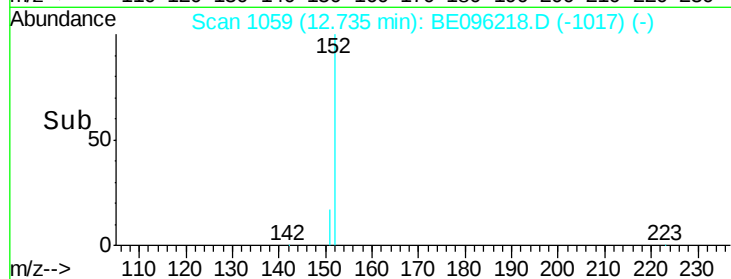
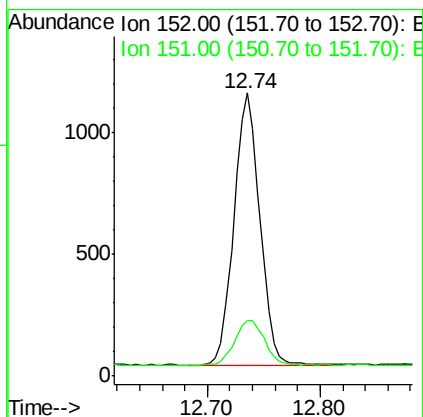
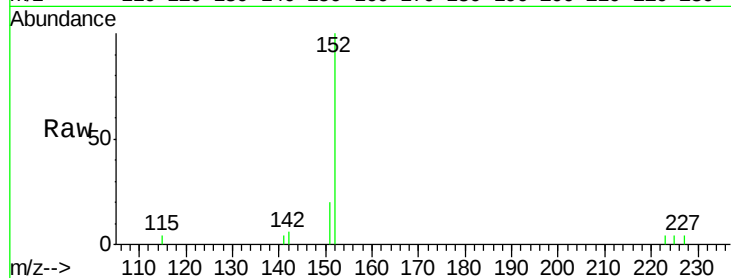




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.371 ng  
 RT: 12.74 min Scan# 1059  
 Delta R.T. -0.00 min  
 Lab File: BE096218.D  
 Acq: 30 Apr 2018 12:58

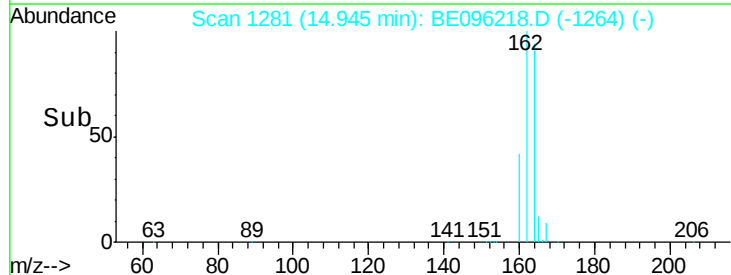
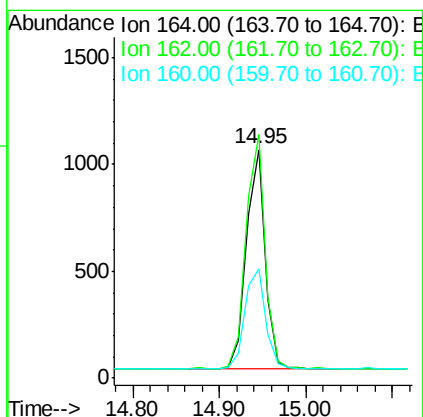
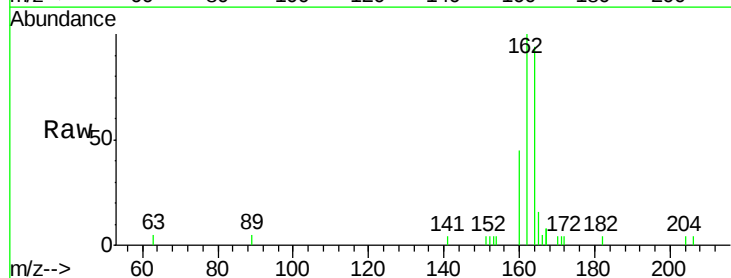
Instrument :  
 BNA\_E  
 ClientSampled :

Tot Ion:152 Resp: 1782  
 Ion Ratio Lower Upper  
 152 100  
 151 19.2 15.4 23.0



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.95 min Scan# 1281  
 Delta R.T. 0.00 min  
 Lab File: BE096218.D  
 Acq: 30 Apr 2018 12:58

Tgt Ion:164 Resp: 1558  
 Ion Ratio Lower Upper  
 164 100  
 162 106.4 83.1 124.7  
 160 47.9 37.1 55.7

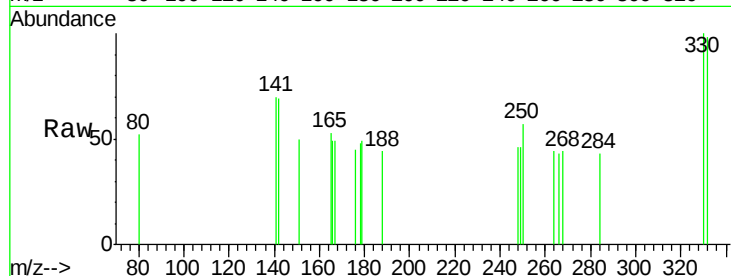




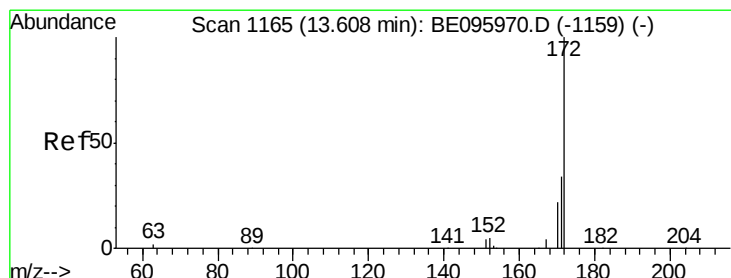
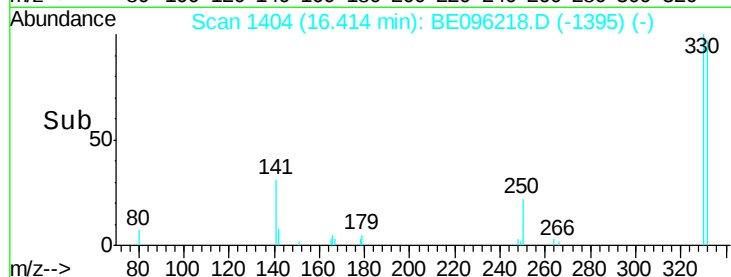
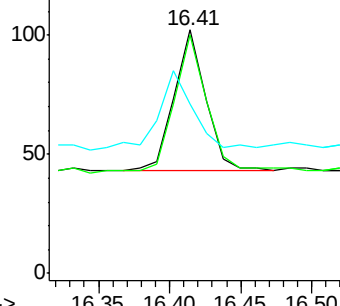
#14  
 2,4,6-Tribromophenol  
 Concen: 0.121 ng  
 RT: 16.41 min Scan# 1404  
 Delta R.T. 0.00 min  
 Lab File: BE096218.D  
 Acq: 30 Apr 2018 12:58

Instrument :  
 BNA\_E  
 ClientSampled :

Tot Ion:330 Resp: 91  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 152.7 229.1#  
 141 62.6 33.7 50.5#

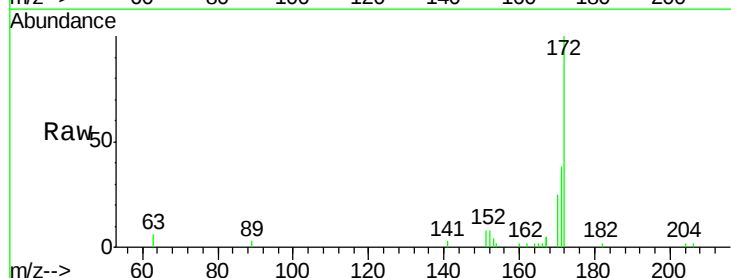


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

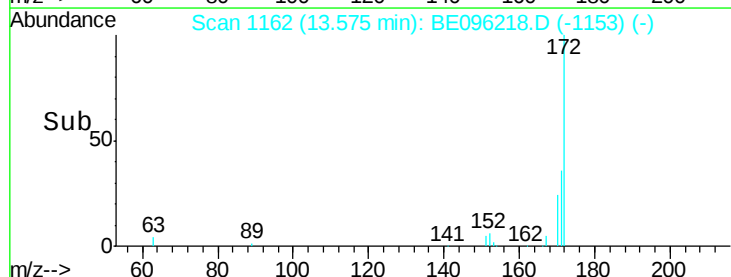
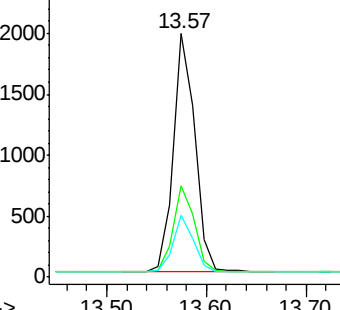


#15  
 2-Fluorobiphenyl  
 Concen: 0.437 ng  
 RT: 13.57 min Scan# 1162  
 Delta R.T. 0.00 min  
 Lab File: BE096218.D  
 Acq: 30 Apr 2018 12:58

Tgt Ion:172 Resp: 2910  
 Ion Ratio Lower Upper  
 172 100  
 171 37.7 29.9 44.9  
 170 25.4 21.8 32.8



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: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096218.D

Acq: 30 Apr 2018 12:58

Instrument :

BNA\_E

ClientSampleId :

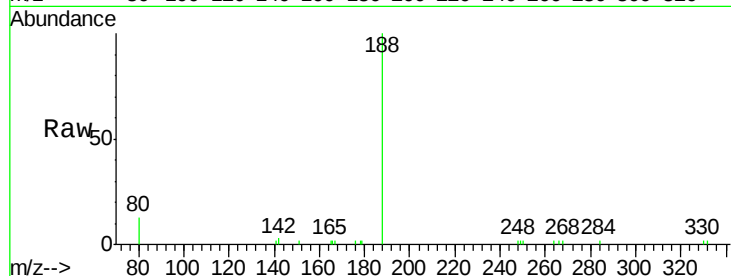
Tot Ion:188 Resp: 3751

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

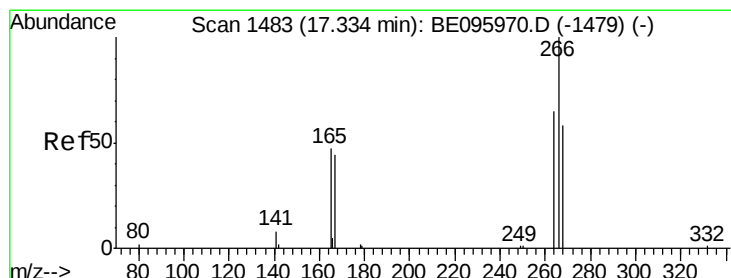
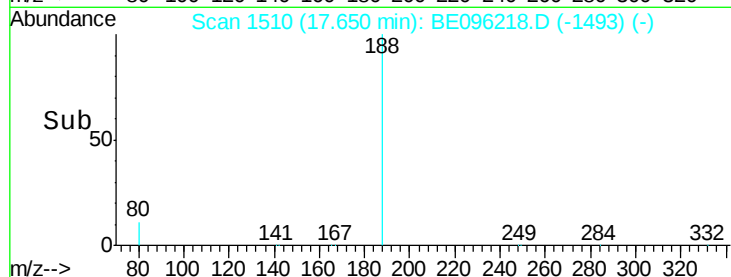
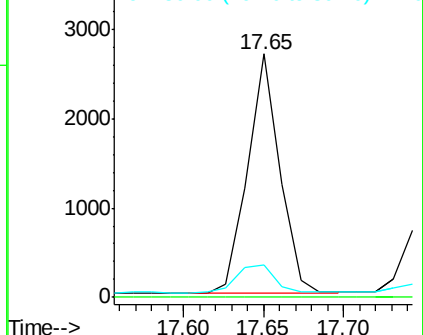
80 13.1 3.6 5.4#



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: 0.150 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096218.D

Acq: 30 Apr 2018 12:58

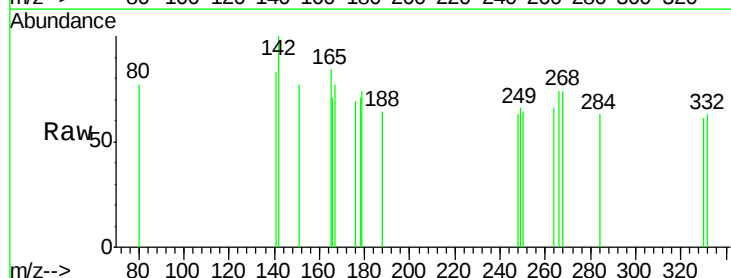
Tgt Ion:266 Resp: 15

Ion Ratio Lower Upper

266 100

264 88.5 72.5 108.7

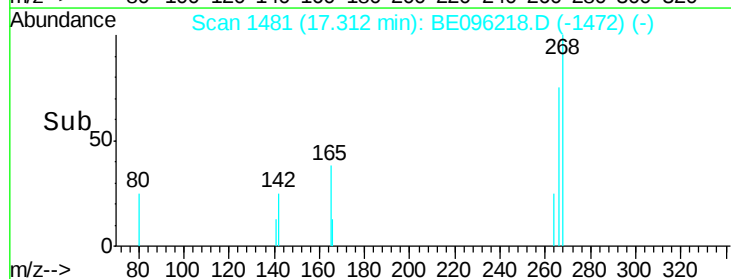
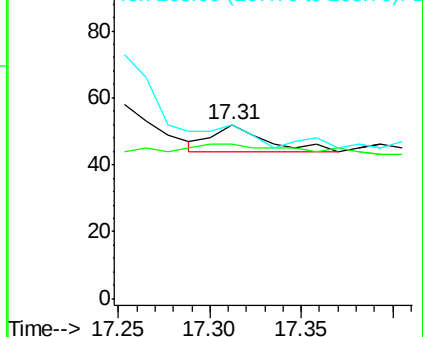
268 100.0 73.8 110.6

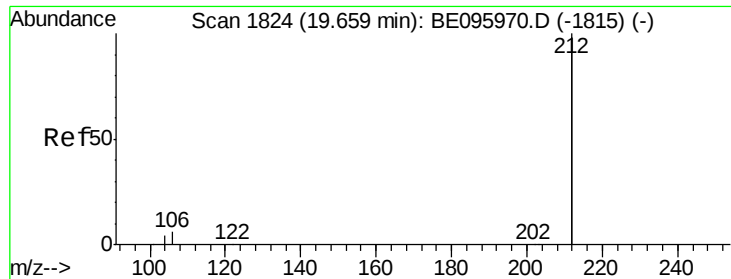


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

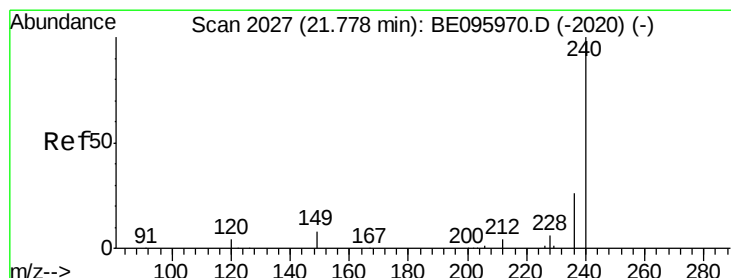
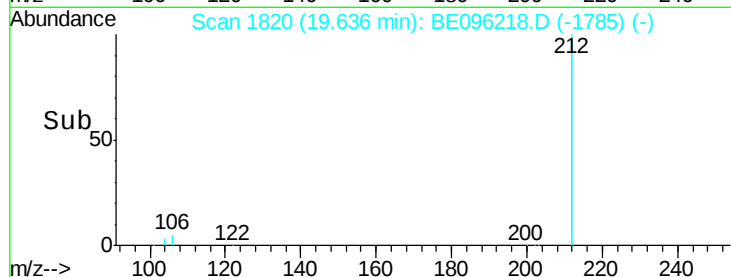
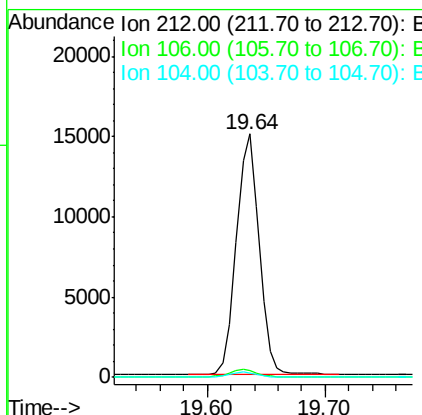
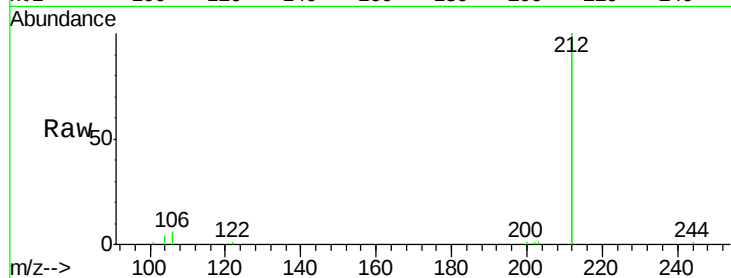




#25  
 Fluoranthene-d10  
 Concen: 0.389 ng  
 RT: 19.64 min Scan# 1820  
 Delta R.T. 0.00 min  
 Lab File: BE096218.D  
 Acq: 30 Apr 2018 12:58

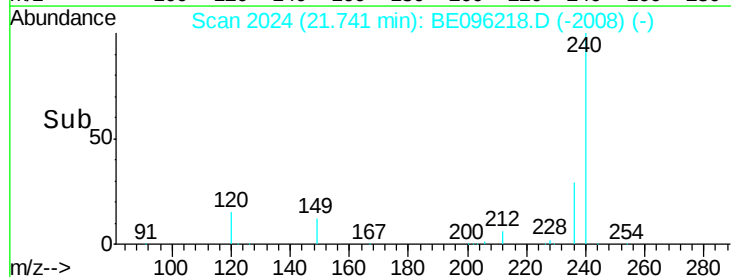
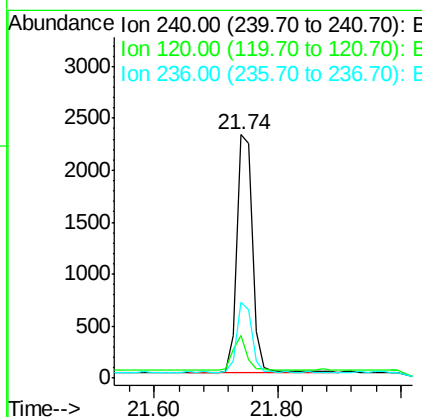
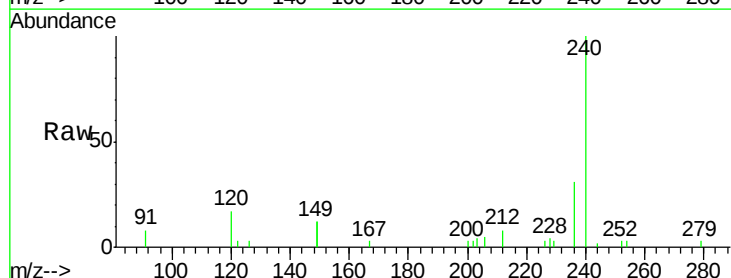
Instrument :  
 BNA\_E  
 ClientSampleId :

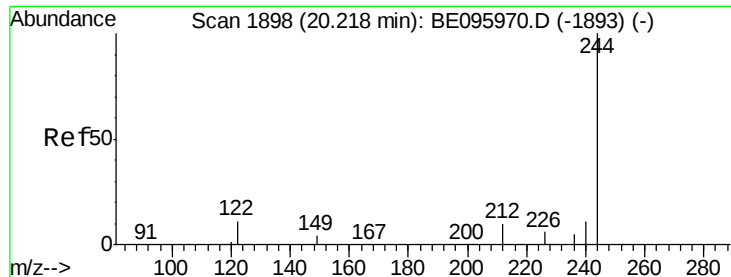
Tot Ion:212 Resp: 19824  
 Ion Ratio Lower Upper  
 212 100  
 106 3.2 2.8 4.2  
 104 1.9 1.6 2.4



#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.74 min Scan# 2024  
 Delta R.T. -0.00 min  
 Lab File: BE096218.D  
 Acq: 30 Apr 2018 12:58

Tgt Ion:240 Resp: 3923  
 Ion Ratio Lower Upper  
 240 100  
 120 17.4 5.5 8.3#  
 236 31.1 20.7 31.1





#29

Terphenyl-d14

Concen: 0.398 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096218.D

Acq: 30 Apr 2018 12:58

Instrument :

BNA\_E

ClientSampleId :

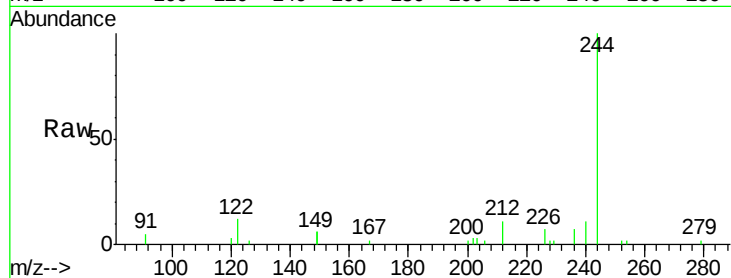
Tot Ion:244 Resp: 3452

Ion Ratio Lower Upper

244 100

212 11.3 25.4 38.0#

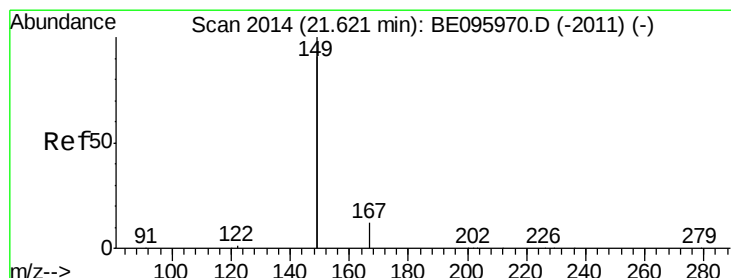
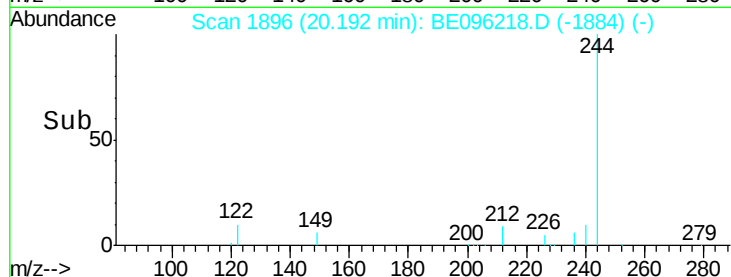
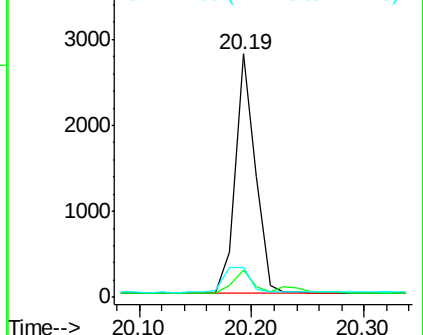
122 12.0 8.1 12.1



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: 0.041 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096218.D

Acq: 30 Apr 2018 12:58

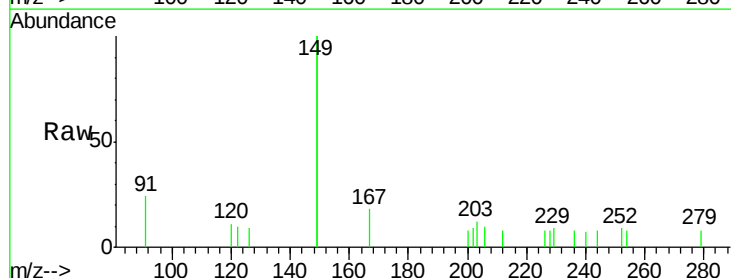
Tgt Ion:149 Resp: 1325

Ion Ratio Lower Upper

149 100

167 7.8 5.4 8.0

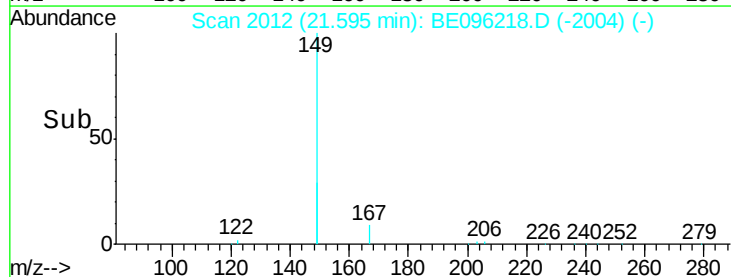
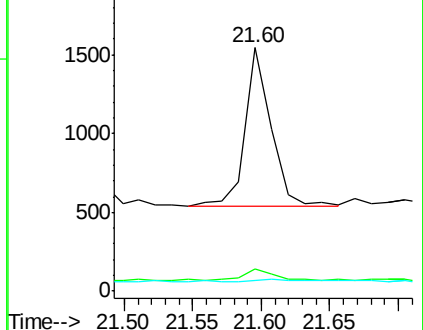
279 1.7 0.7 1.1#

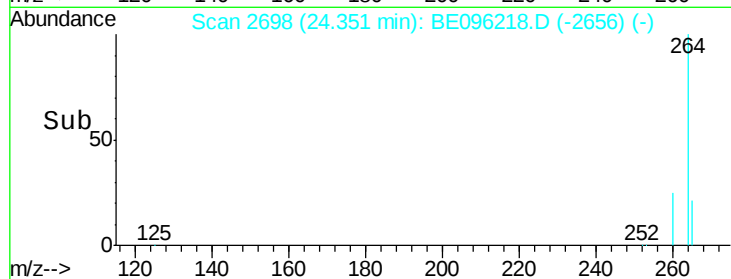
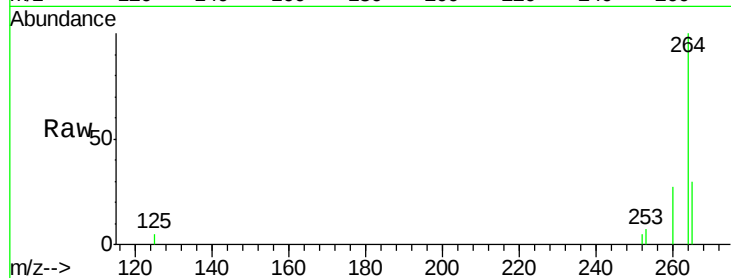


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.35 min Scan# 2698

Delta R.T. -0.00 min

Lab File: BE096218.D

Acq: 30 Apr 2018 12:58

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:264 Resp: 3646

Ion Ratio Lower Upper

264 100

260 27.0 20.5 30.7

265 30.3 22.8 34.2

