

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE122617\  
 Data File : BE095057.D  
 Acq On : 26 Dec 2017 15:50  
 Operator : SJ/JU  
 Sample : I7004-07  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C-MW-11-121817

Quant Time: Dec 26 16:28:49 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 14 18:42:53 2017  
 Response via : Initial Calibration

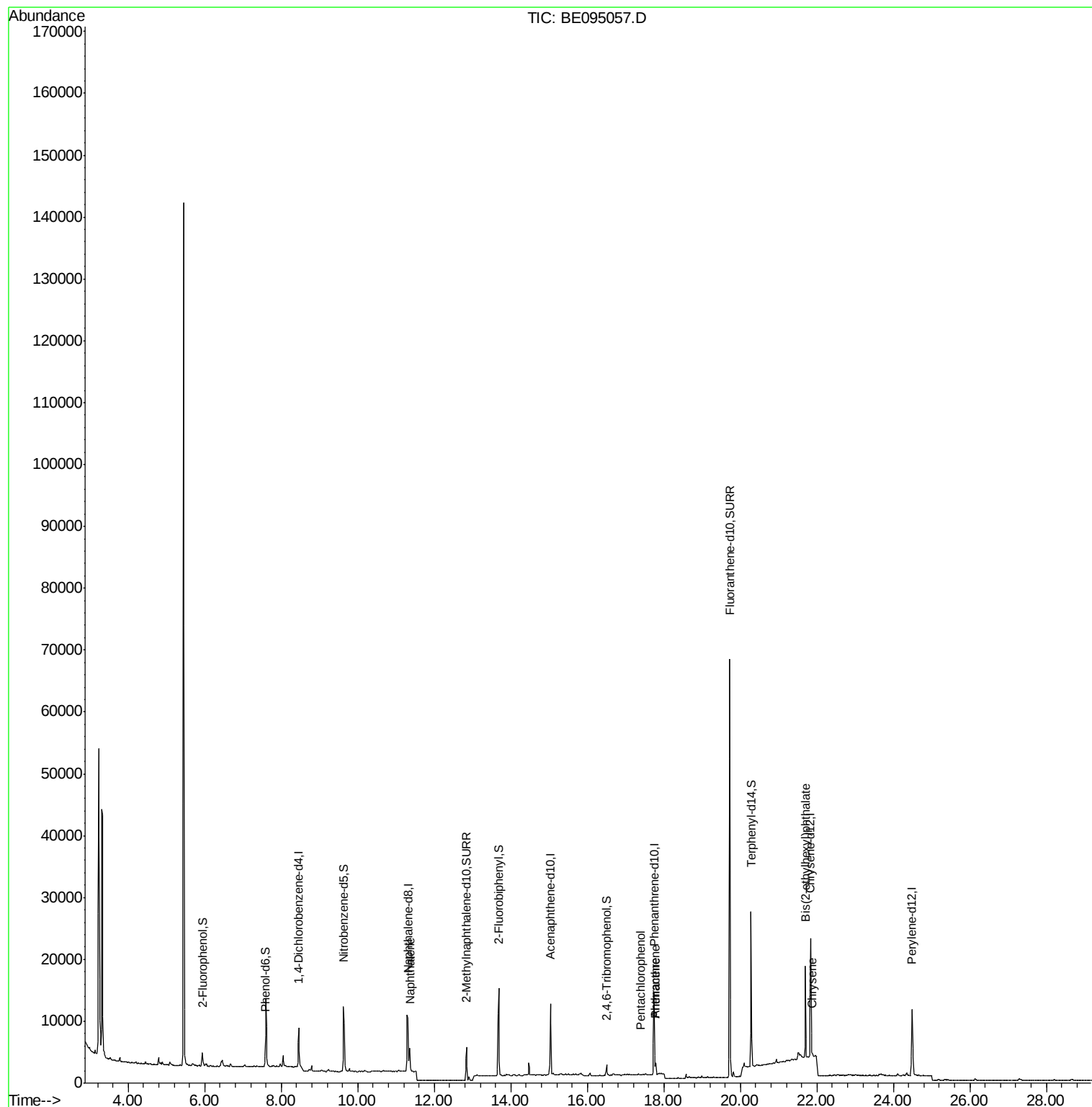
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 8.46  | 152  | 5217     | 0.40  | ng    | -0.01       |
| 7) Naphthalene-d8              | 11.31 | 136  | 12524    | 0.40  | ng    | -0.02       |
| 13) Acenaphthene-d10           | 15.03 | 164  | 7396     | 0.40  | ng    | -0.03       |
| 19) Phenanthrene-d10           | 17.74 | 188  | 17391    | 0.40  | ng    | -0.03       |
| 27) Chrysene-d12               | 21.84 | 240  | 19344    | 0.40  | ng    | -0.03       |
| 34) Perylene-d12               | 24.49 | 264  | 17626    | 0.40  | ng    | -0.06       |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.94  | 112  | 1256     | 0.16  | ng    | -0.01       |
| 5) Phenol-d6                   | 7.58  | 99   | 1103     | 0.09  | ng    | -0.01       |
| 8) Nitrobenzene-d5             | 9.63  | 82   | 4583     | 0.45  | ng    | -0.02       |
| 11) 2-Methylnaphthalene-d10    | 12.84 | 152  | 7323     | 0.36  | ng    | -0.02       |
| 14) 2,4,6-Tribromophenol       | 16.50 | 330  | 1000     | 0.58  | ng    | -0.03       |
| 15) 2-Fluorobiphenyl           | 13.68 | 172  | 14151    | 0.43  | ng    | -0.02       |
| 25) Fluoranthene-d10           | 19.72 | 212  | 83797    | 0.37  | ng    | -0.03       |
| 29) Terphenyl-d14              | 20.28 | 244  | 23217    | 0.64  | ng    | -0.03       |
| Target Compounds               |       |      |          |       |       |             |
| 9) Naphthalene                 | 11.36 | 128  | 11128    | 0.076 | ng    | Qvalue # 98 |
| 22) Pentachlorophenol          | 17.38 | 266  | 13       | 0.084 | ng    | 96          |
| 23) Phenanthrene               | 17.79 | 178  | 2117     | 0.039 | ng    | 99          |
| 24) Anthracene                 | 17.79 | 178  | 2117     | 0.038 | ng    | 96          |
| 31) Chrysene                   | 21.87 | 228  | 1830     | 0.029 | ng    | 97          |
| 32) Bis(2-ethylhexyl)phthalate | 21.70 | 149  | 16890    | 0.234 | ng    | 98          |

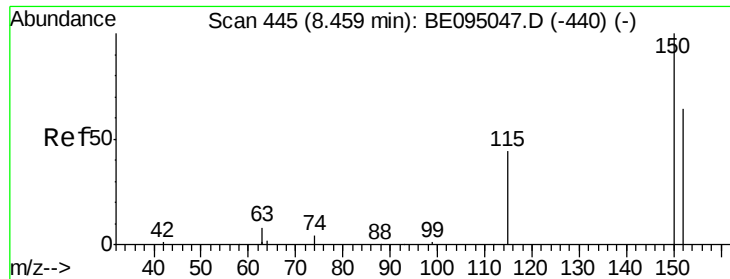
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.46 min Scan# 445

Delta R.T. -0.01 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

Instrument :

BNA\_E

ClientSampleId :

C-MW-11-121817

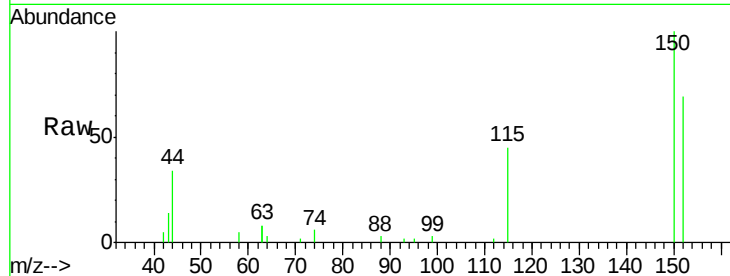
Tgt Ion:152 Resp: 5217

Ion Ratio Lower Upper

152 100

150 144.3 117.2 175.8

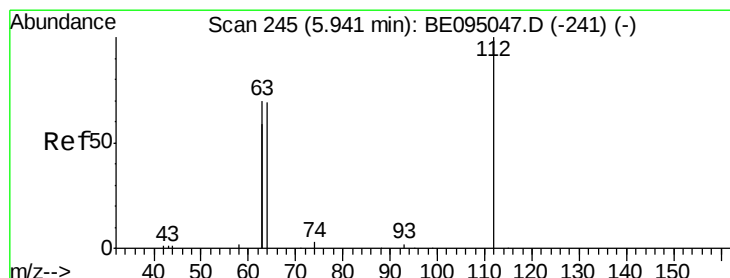
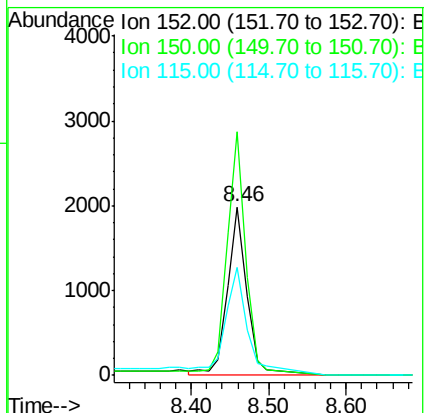
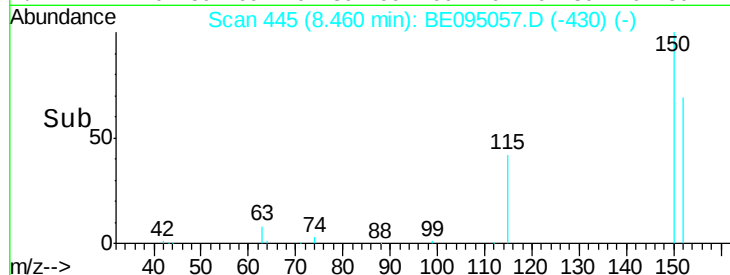
115 64.3 57.0 85.6



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: 0.155 ng

RT: 5.94 min Scan# 245

Delta R.T. -0.01 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

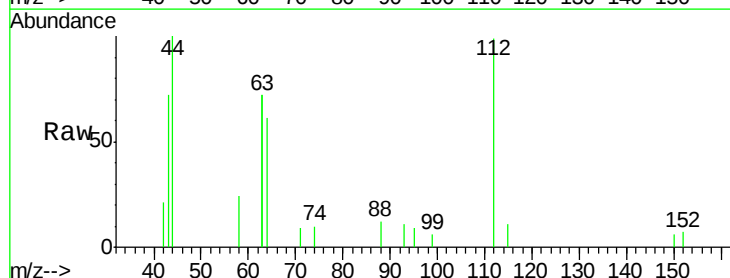
Tgt Ion:112 Resp: 1256

Ion Ratio Lower Upper

112 100

64 69.2 60.1 90.1

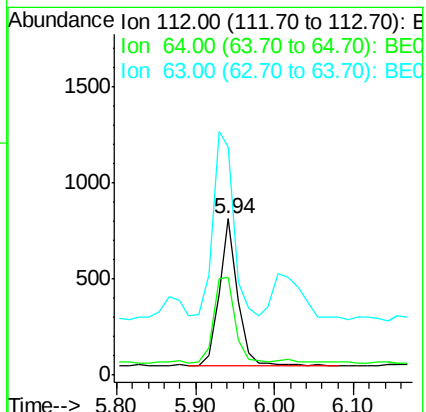
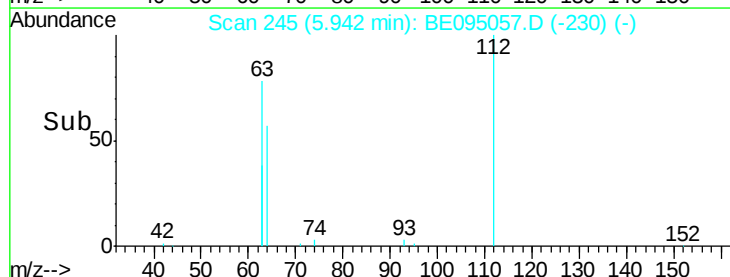
63 145.2 116.8 175.2

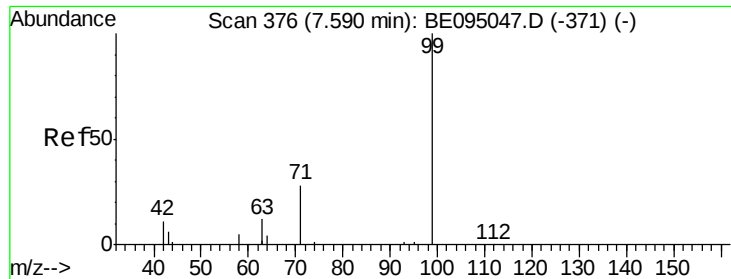


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.092 ng

RT: 7.58 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

Instrument :

BNA\_E

ClientSampleId :

C-MW-11-121817

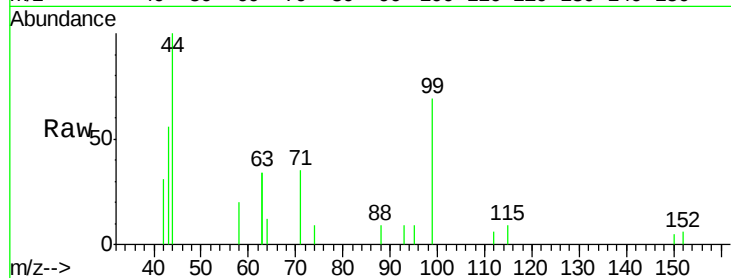
Tgt Ion: 99 Resp: 1103

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 43.8 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

7.58

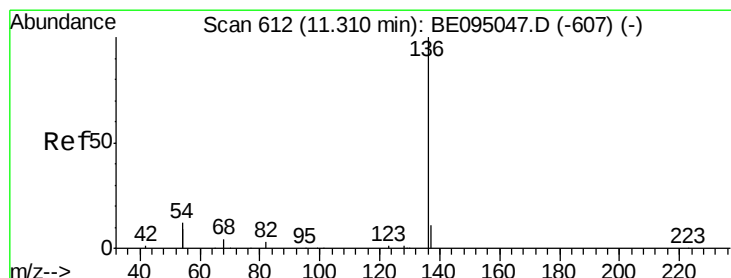
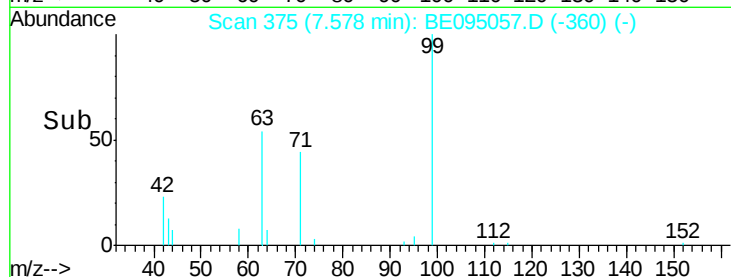
600

400

200

0

Time--> 7.40 7.50 7.60 7.70



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

Tgt Ion: 136 Resp: 12524

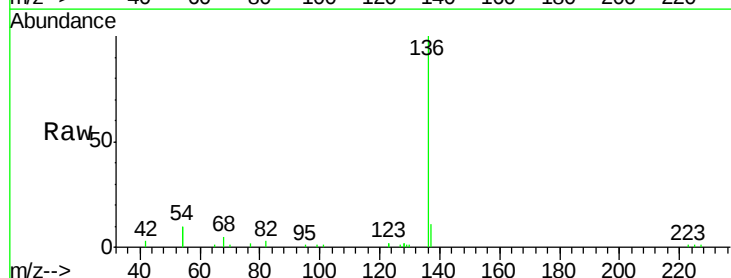
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 19.5 29.1 43.7#

68 4.5 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

11.31

10000

8000

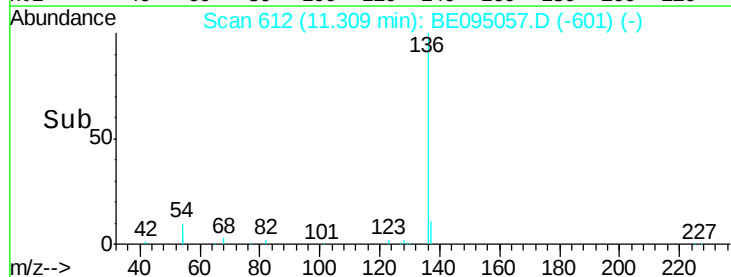
6000

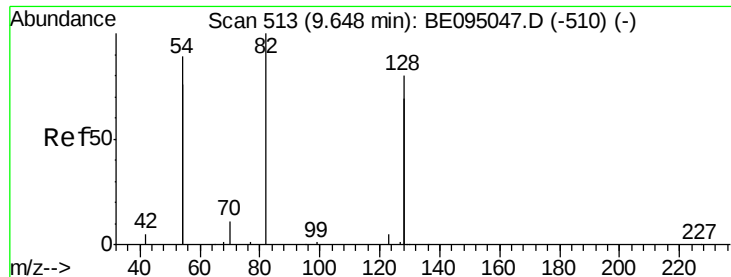
4000

2000

0

Time--> 11.20 11.30 11.40





#8

Nitrobenzene-d5

Concen: 0.446 ng

RT: 9.63 min Scan# 512

Delta R.T. -0.02 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

Instrument :

BNA\_E

ClientSampleId :

C-MW-11-121817

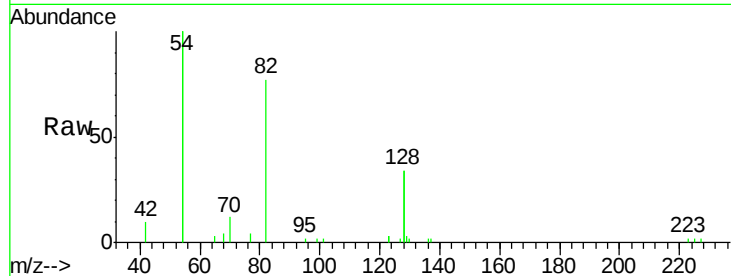
Tgt Ion: 82 Resp: 4583

Ion Ratio Lower Upper

82 100

128 89.0 150.0 225.0#

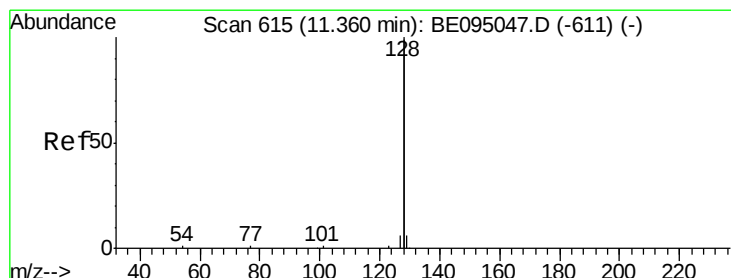
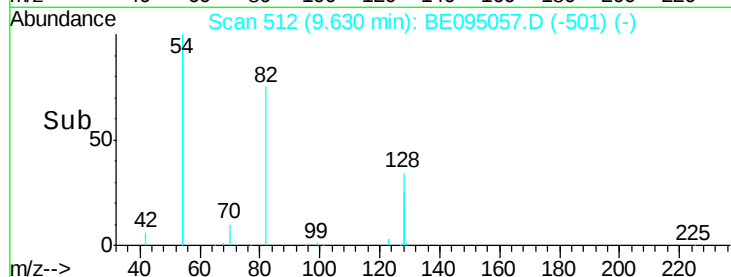
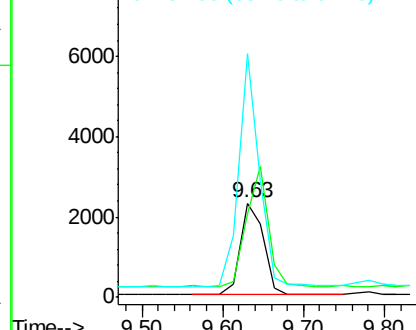
54 259.3 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE095047.D (-510) (-)

Ion 128.00 (127.70 to 128.70): BE095047.D (-510) (-)

Ion 54.00 (53.70 to 54.70): BE095047.D (-510) (-)



#9

Naphthalene

Concen: 0.076 ng

RT: 11.36 min Scan# 615

Delta R.T. -0.02 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

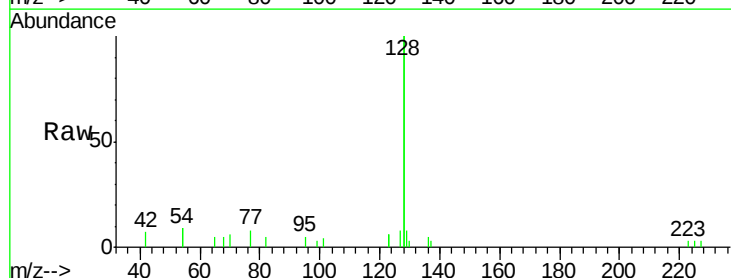
Tgt Ion: 128 Resp: 11128

Ion Ratio Lower Upper

128 100

129 4.1 2.6 3.8#

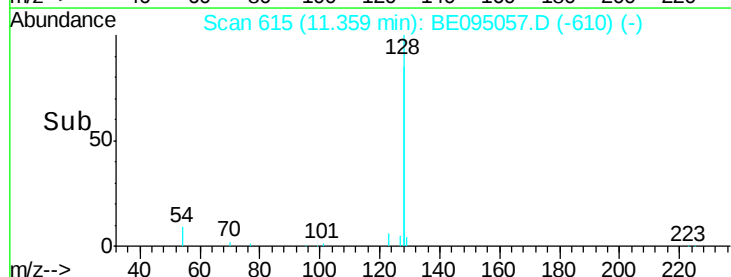
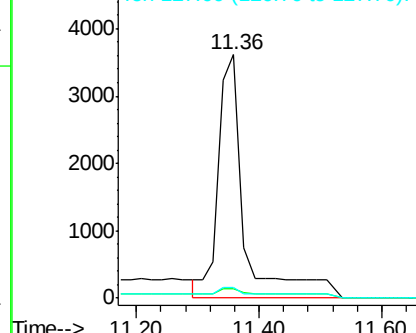
127 4.1 2.8 4.2

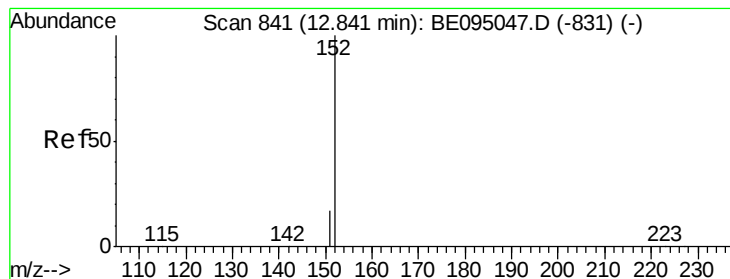


Abundance Ion 128.00 (127.70 to 128.70): BE095047.D (-611) (-)

Ion 129.00 (128.70 to 129.70): BE095047.D (-611) (-)

Ion 127.00 (126.70 to 127.70): BE095047.D (-611) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.357 ng

RT: 12.84 min Scan# 841

Delta R.T. -0.02 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

Instrument :

BNA\_E

ClientSampleId :

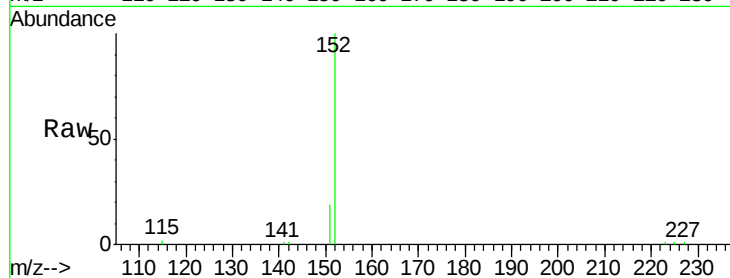
C-MW-11-121817

Tgt Ion:152 Resp: 7323

Ion Ratio Lower Upper

152 100

151 18.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.84

5000

4000

3000

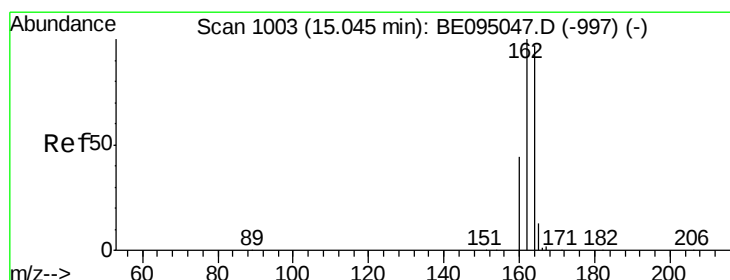
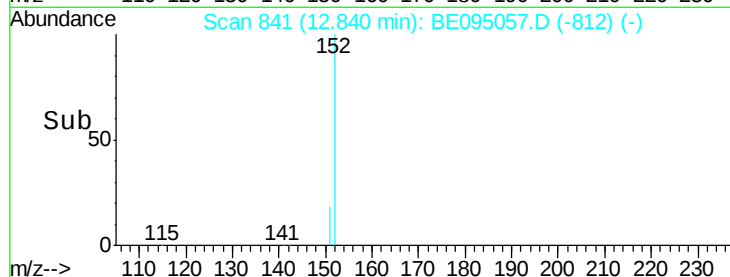
2000

1000

0

Time-->

12.80 12.90



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.03 min Scan# 1002

Delta R.T. -0.03 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

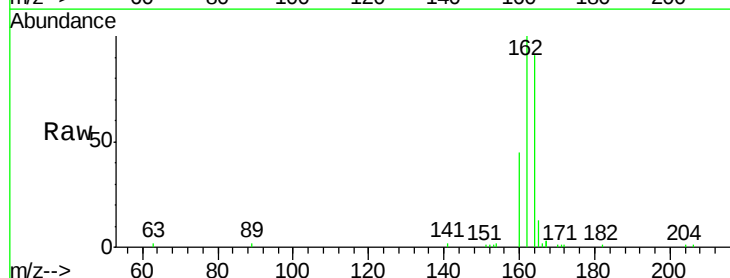
Tgt Ion:164 Resp: 7396

Ion Ratio Lower Upper

164 100

162 110.1 83.1 124.7

160 49.4 37.1 55.7



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

15.03

6000

5000

4000

3000

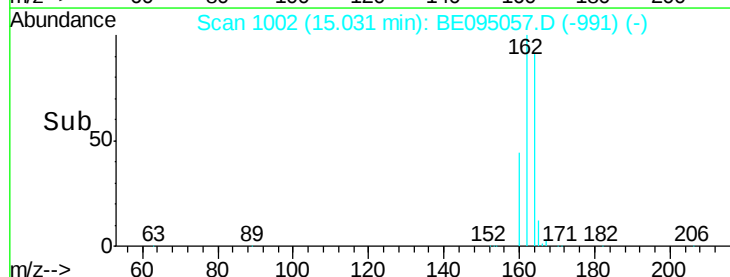
2000

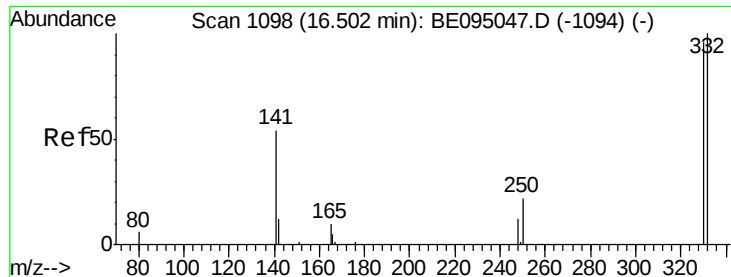
1000

0

Time-->

15.00 15.20





#14

2,4,6-Tribromophenol

Concen: 0.582 ng

RT: 16.50 min Scan# 1098

Delta R.T. -0.03 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

Instrument :

BNA\_E

ClientSampleId :

C-MW-11-121817

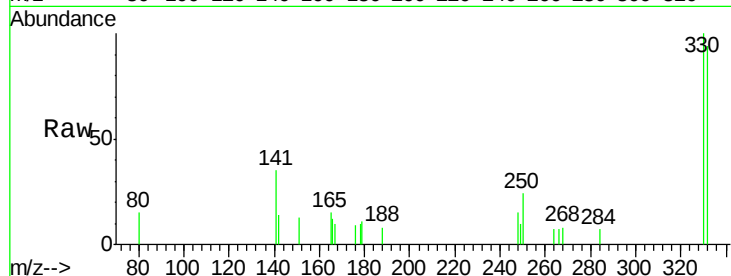
Tgt Ion:330 Resp: 1000

Ion Ratio Lower Upper

330 100

332 92.0 152.7 229.1#

141 50.7 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

16.50

600

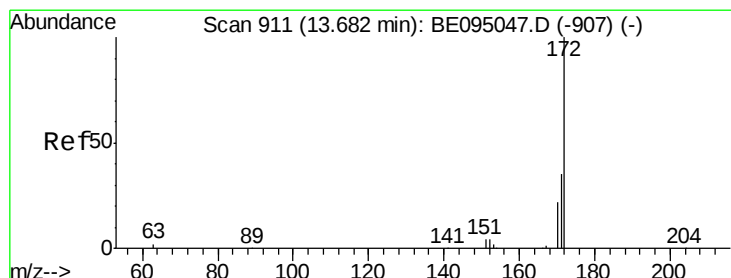
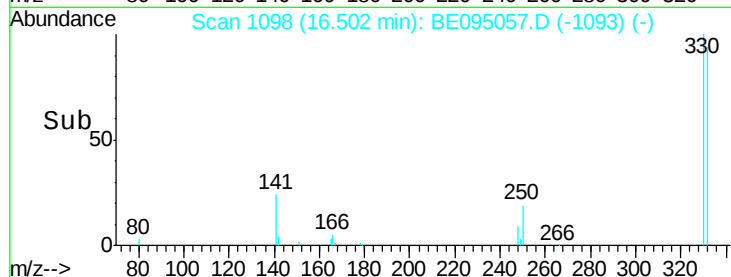
400

200

0

16.40 16.50 16.60

Time-->



#15

2-Fluorobiphenyl

Concen: 0.432 ng

RT: 13.68 min Scan# 911

Delta R.T. -0.02 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

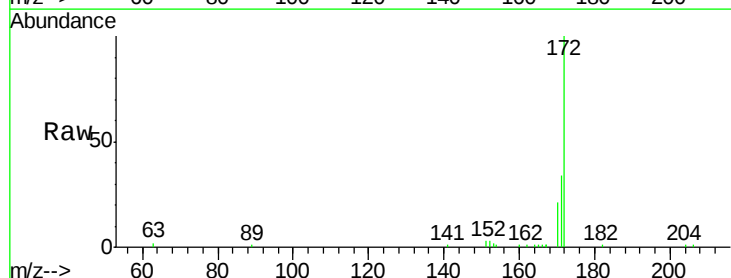
Tgt Ion:172 Resp: 14151

Ion Ratio Lower Upper

172 100

171 34.0 29.9 44.9

170 20.6 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

13.68

12000

10000

8000

6000

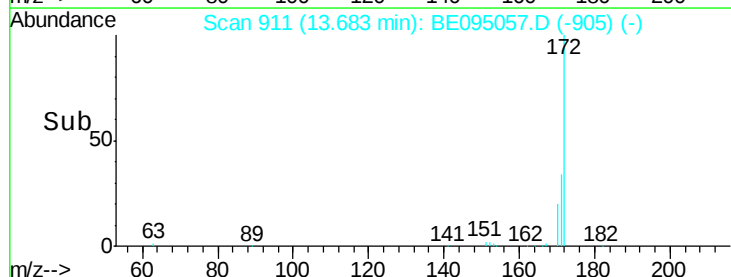
4000

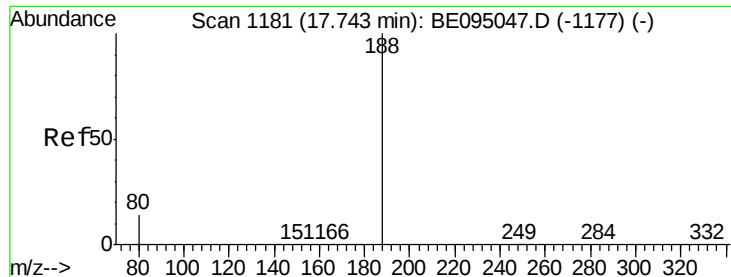
2000

0

13.60 13.70 13.80

Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.03 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

Instrument :

BNA\_E

ClientSampleId :

C-MW-11-121817

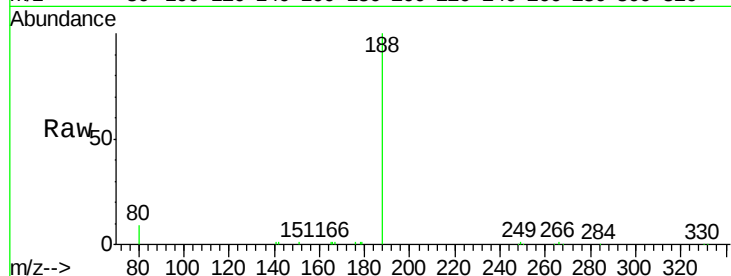
Tgt Ion:188 Resp: 17391

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

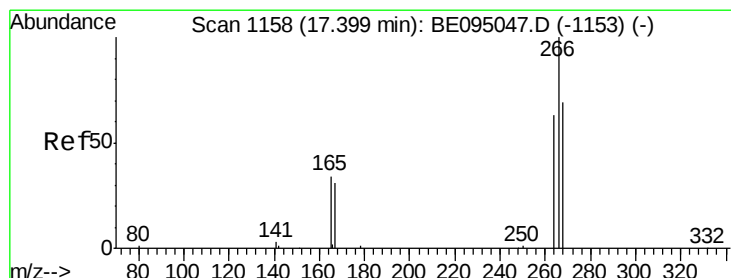
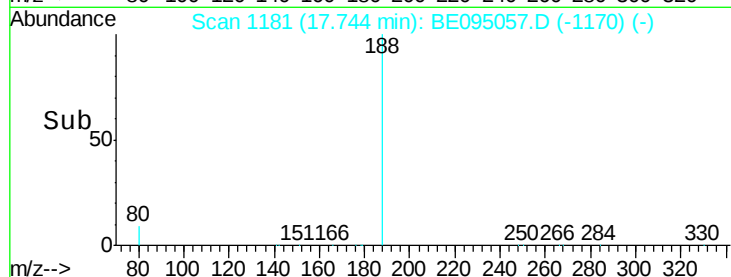
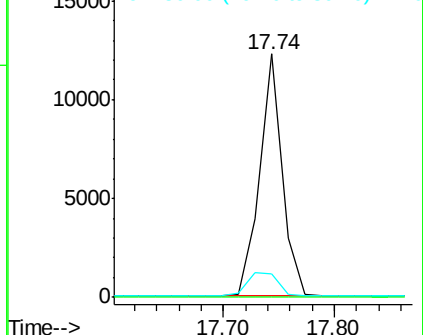
80 9.5 3.6 5.4#



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: 0.084 ng

RT: 17.38 min Scan# 1157

Delta R.T. -0.03 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

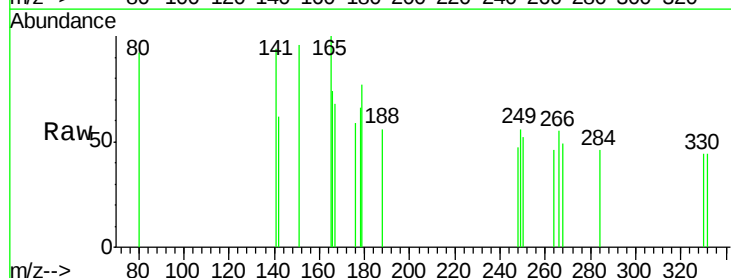
Tgt Ion:266 Resp: 13

Ion Ratio Lower Upper

266 100

264 84.7 72.5 108.7

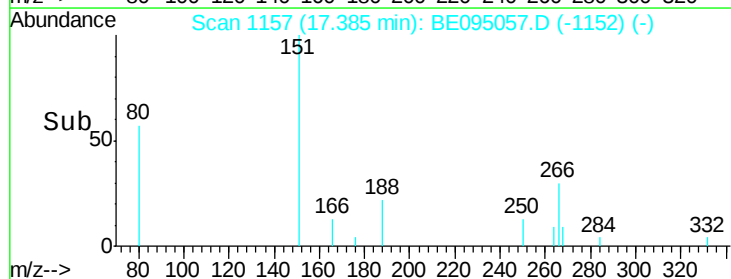
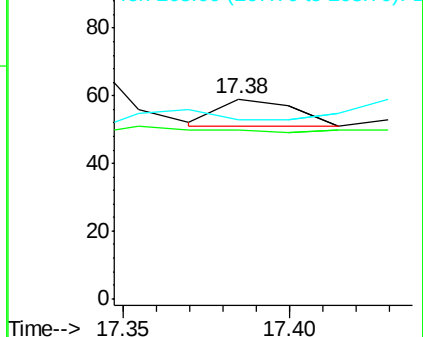
268 89.8 73.8 110.6

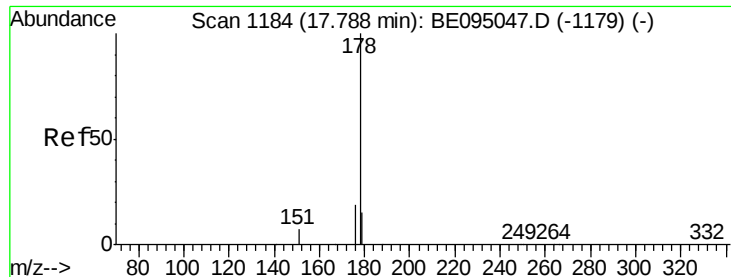


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.039 ng

RT: 17.79 min Scan# 1184

Delta R.T. -0.03 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

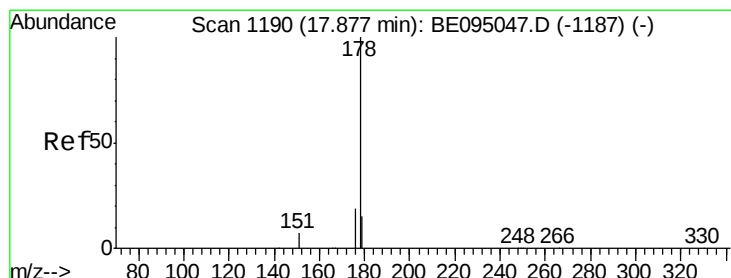
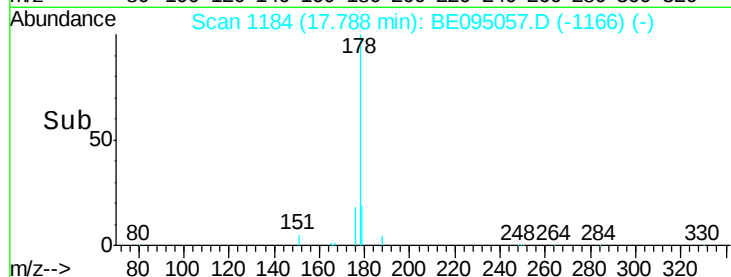
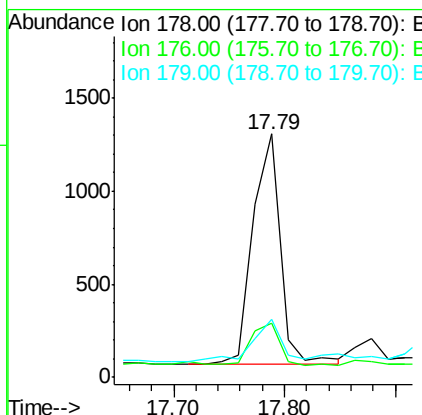
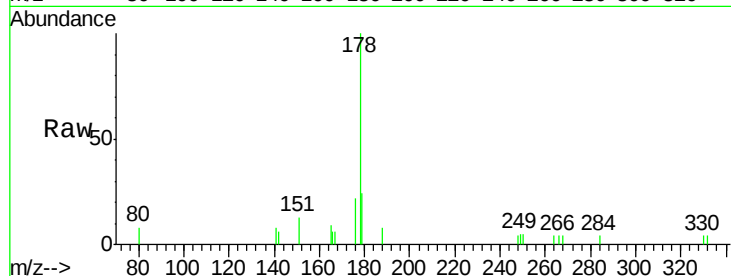
Instrument :

BNA\_E

ClientSampleId :

C-MW-11-121817

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 2117  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 18.3  | 15.1  | 22.7  |
| 179      | 15.4  | 11.8  | 17.6  |



#24

Anthracene

Concen: 0.038 ng

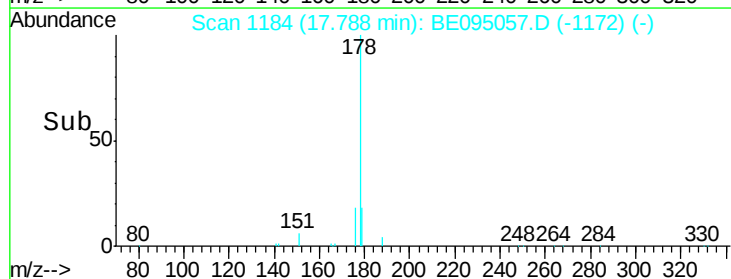
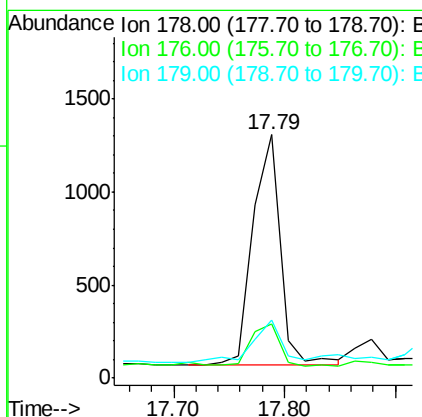
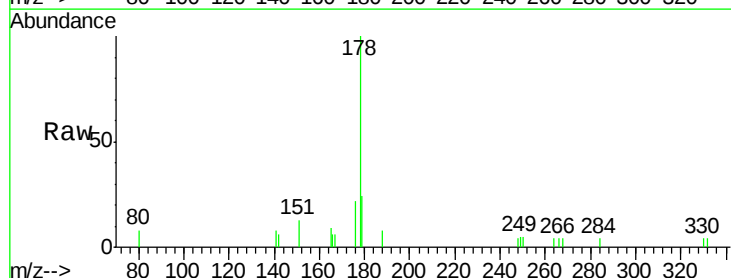
RT: 17.79 min Scan# 1184

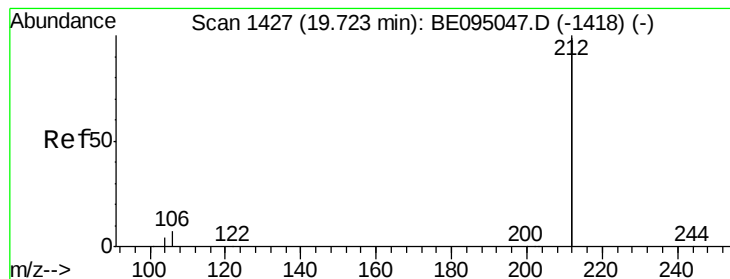
Delta R.T. -0.12 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 2117  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 18.3  | 12.8  | 19.2  |
| 179      | 15.4  | 13.0  | 19.6  |





#25

Fluoranthene-d10

Concen: 0.371 ng

RT: 19.72 min Scan# 1427

Delta R.T. -0.03 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

Instrument :

BNA\_E

ClientSampleId :

C-MW-11-121817

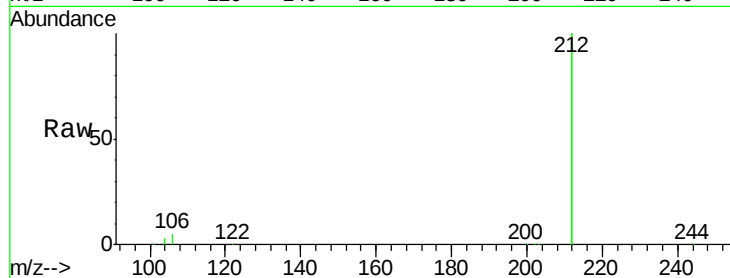
Tgt Ion:212 Resp: 83797

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

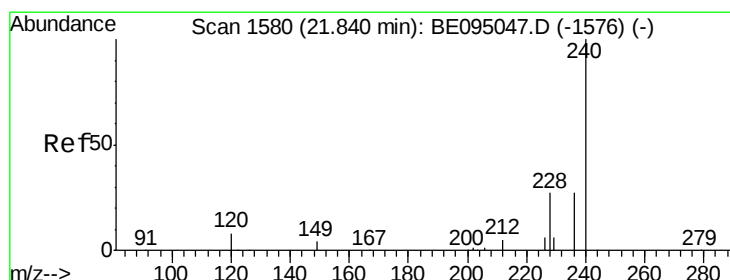
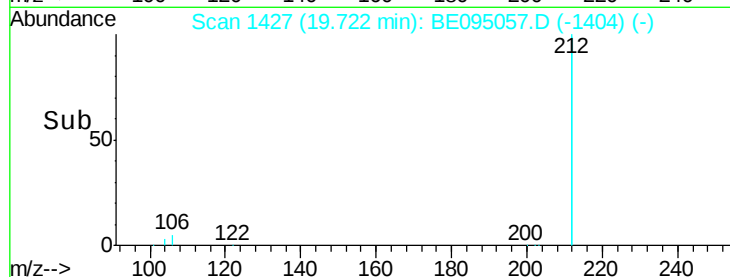
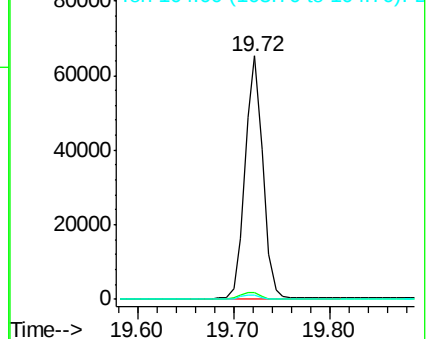
104 1.8 1.6 2.4



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: 21.84 min Scan# 1580

Delta R.T. -0.03 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

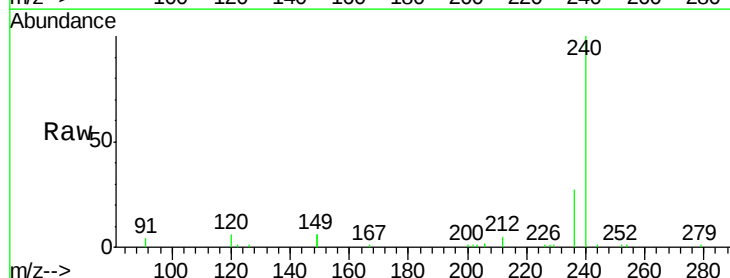
Tgt Ion:240 Resp: 19344

Ion Ratio Lower Upper

240 100

120 6.0 5.5 8.3

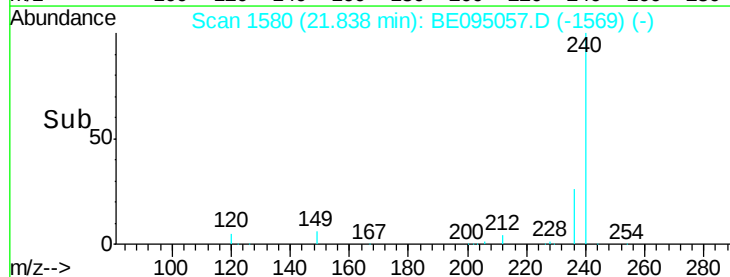
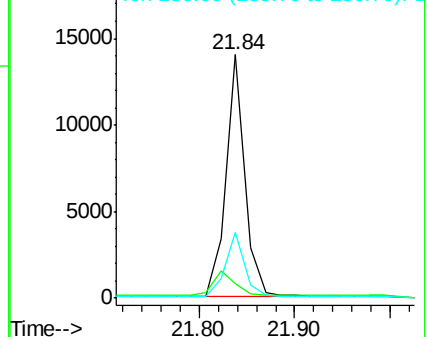
236 27.0 20.7 31.1

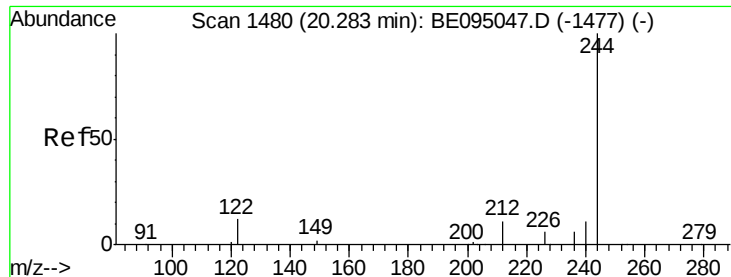


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.638 ng

RT: 20.28 min Scan# 1480

Delta R.T. -0.03 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

Instrument :

BNA\_E

ClientSampleId :

C-MW-11-121817

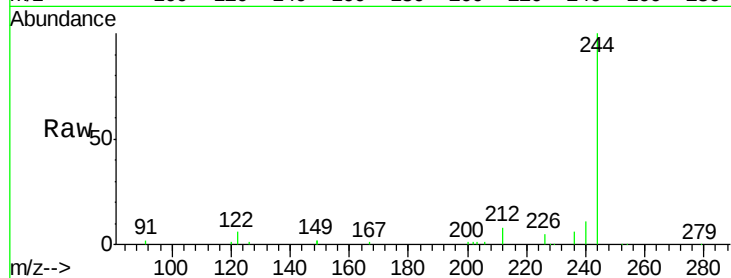
Tgt Ion:244 Resp: 23217

Ion Ratio Lower Upper

244 100

212 8.4 25.4 38.0#

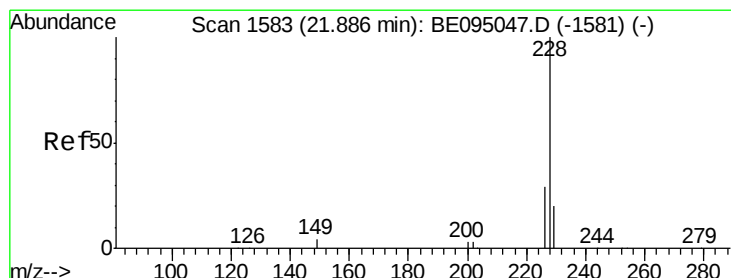
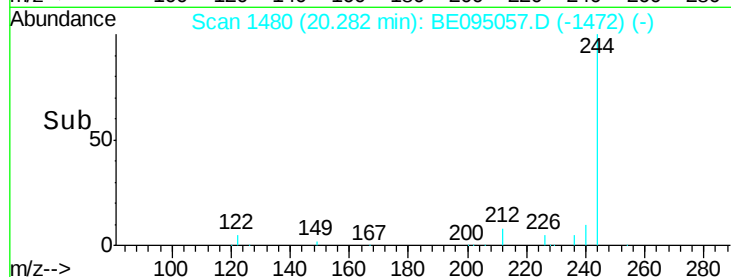
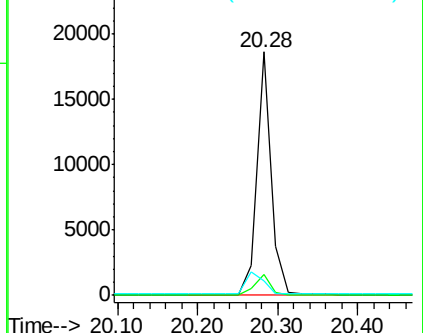
122 5.8 8.1 12.1#



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



#31

Chrysene

Concen: 0.029 ng

RT: 21.87 min Scan# 1582

Delta R.T. -0.05 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

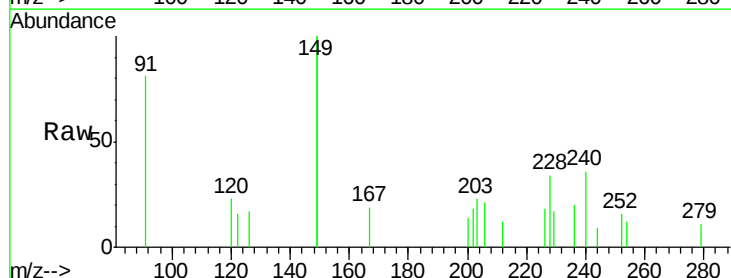
Tgt Ion:228 Resp: 1830

Ion Ratio Lower Upper

228 100

226 52.9 40.0 60.0

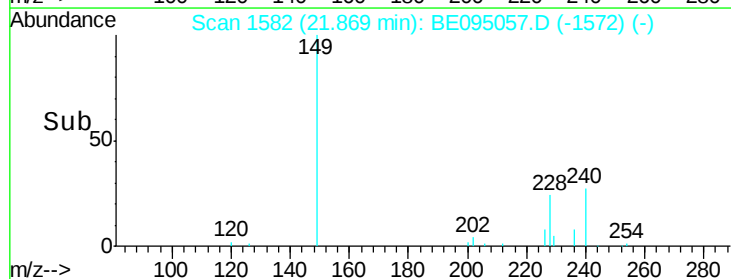
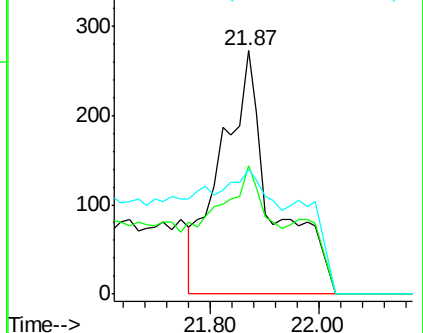
229 51.5 40.0 60.0

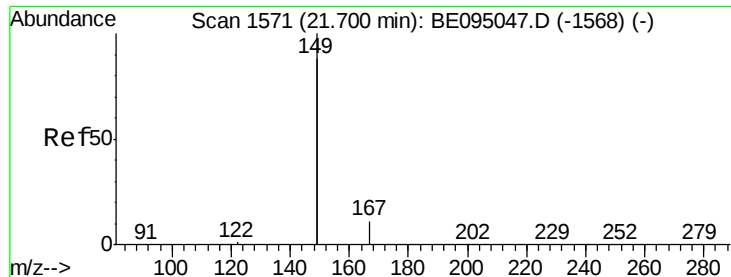


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.234 ng

RT: 21.70 min Scan# 1571

Delta R.T. -0.05 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

Instrument :

BNA\_E

ClientSampleId :

C-MW-11-121817

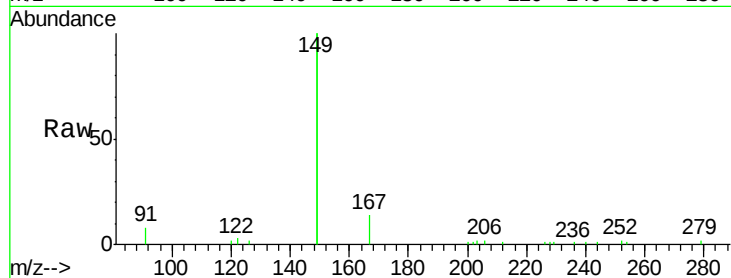
Tgt Ion:149 Resp: 16890

Ion Ratio Lower Upper

149 100

167 7.4 5.4 8.0

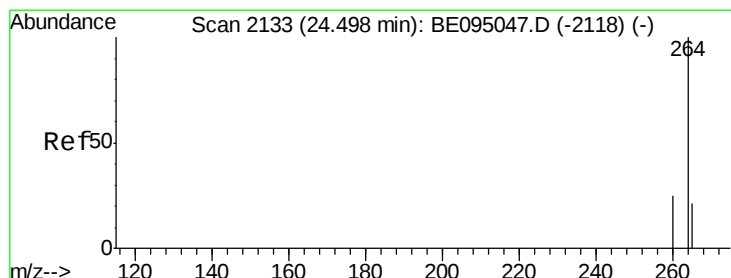
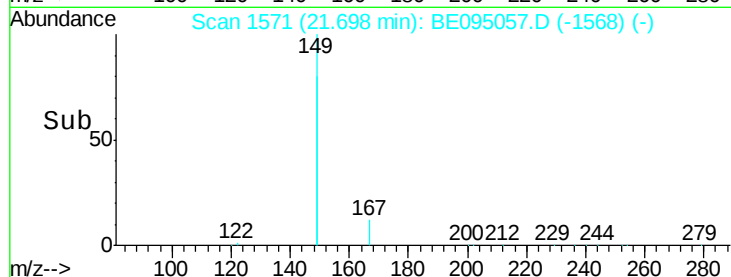
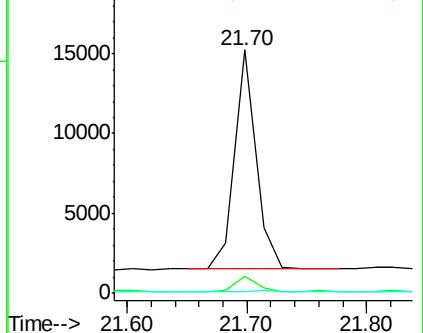
279 0.8 0.7 1.1



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

Perylene-d12

Concen: 0.400 ng

RT: 24.49 min Scan# 2131

Delta R.T. -0.06 min

Lab File: BE095057.D

Acq: 26 Dec 2017 15:50

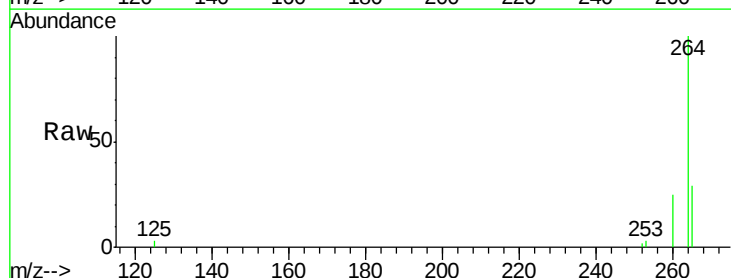
Tgt Ion:264 Resp: 17626

Ion Ratio Lower Upper

264 100

260 24.6 20.5 30.7

265 28.6 22.8 34.2



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

