

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120117\  
 Data File : BE094911.D  
 Acq On : 1 Dec 2017 18:49  
 Operator : SJ/JU  
 Sample : I6587-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MW-1

Quant Time: Dec 02 00:36:46 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 01 13:33:28 2017  
 Response via : Initial Calibration

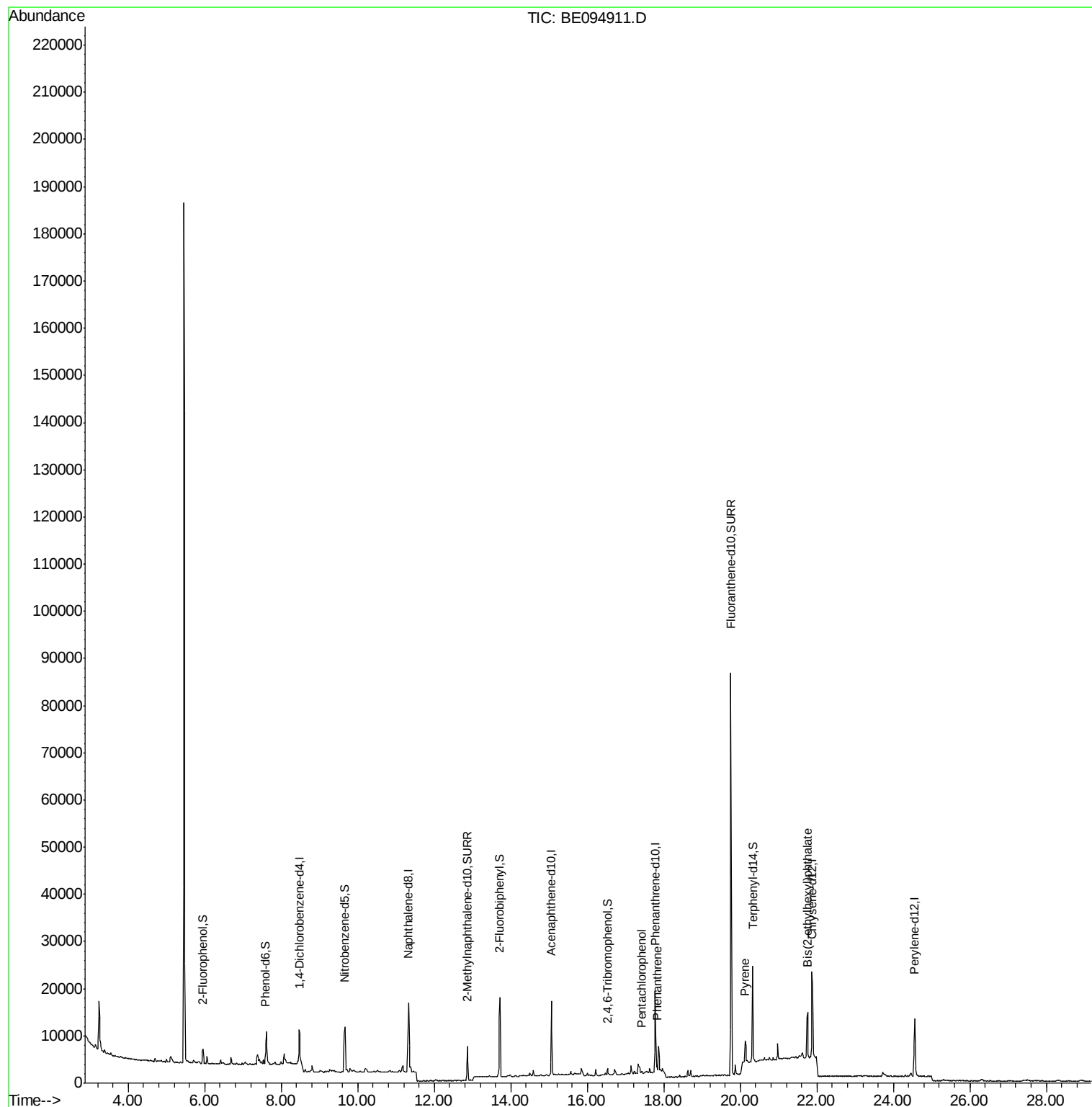
| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.48  | 152  | 6965     | 0.40 | ng    | 0.00      |
| 7) Naphthalene-d8              | 11.33 | 136  | 15786    | 0.40 | ng    | 0.00      |
| 13) Acenaphthene-d10           | 15.06 | 164  | 9606     | 0.40 | ng    | -0.01     |
| 19) Phenanthrene-d10           | 17.77 | 188  | 22597    | 0.40 | ng    | 0.00      |
| 27) Chrysene-d12               | 21.88 | 240  | 25379    | 0.40 | ng    | 0.00      |
| 34) Perylene-d12               | 24.55 | 264  | 19997    | 0.40 | ng    | -0.01     |
| System Monitoring Compounds    |       |      |          |      |       |           |
| 4) 2-Fluorophenol              | 5.95  | 112  | 1630     | 0.15 | ng    | 0.00      |
| 5) Phenol-d6                   | 7.59  | 99   | 1545     | 0.09 | ng    | 0.00      |
| 8) Nitrobenzene-d5             | 9.66  | 82   | 4167     | 0.45 | ng    | 0.00      |
| 11) 2-Methylnaphthalene-d10    | 12.86 | 152  | 9450     | 0.38 | ng    | 0.00      |
| 14) 2,4,6-Tribromophenol       | 16.53 | 330  | 842      | 0.43 | ng    | 0.00      |
| 15) 2-Fluorobiphenyl           | 13.71 | 172  | 16559    | 0.40 | ng    | 0.00      |
| 25) Fluoranthene-d10           | 19.75 | 212  | 115531   | 0.37 | ng    | 0.00      |
| 29) Terphenyl-d14              | 20.33 | 244  | 26267    | 0.56 | ng    | 0.00      |
| Target Compounds               |       |      |          |      |       |           |
| 22) Pentachlorophenol          | 17.41 | 266  | 58       | 0.15 | ng    | Qvalue 99 |
| 23) Phenanthrene               | 17.82 | 178  | 1761     | 0.02 | ng    | # 92      |
| 28) Pyrene                     | 20.13 | 202  | 5287     | 0.06 | ng    | 96        |
| 32) Bis(2-ethylhexyl)phthalate | 21.76 | 149  | 17068    | 0.13 | ng    | 100       |

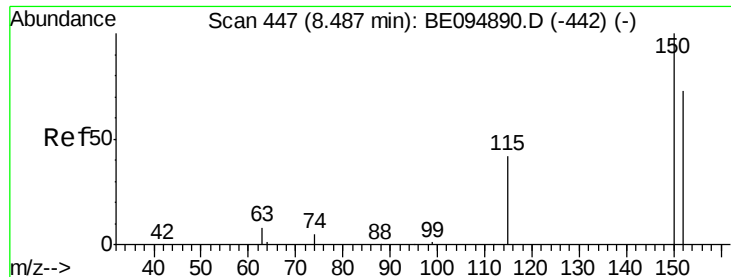
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 8.48 min Scan# 447

Delta R.T. -0.00 min

Lab File: BE094911.D

Acq: 1 Dec 2017 18:49

Instrument :

BNA\_E

ClientSampled :

MW-1

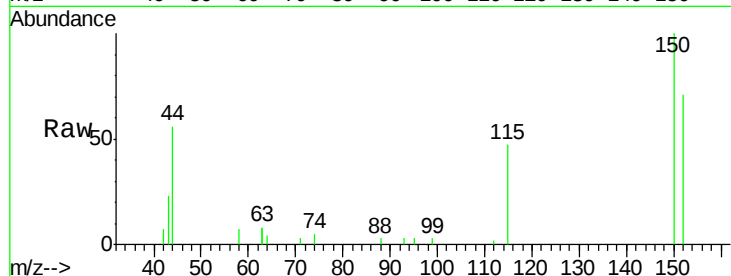
Tot Ion:152 Resp: 6965

Ion Ratio Lower Upper

152 100

150 140.4 117.2 175.8

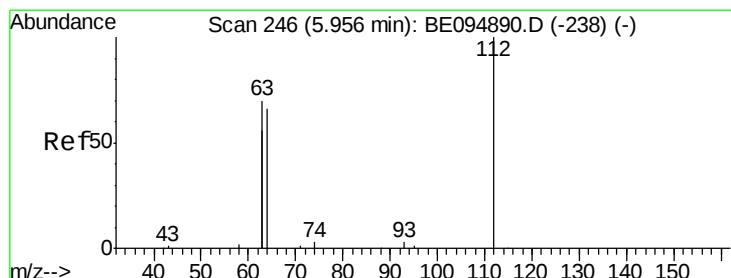
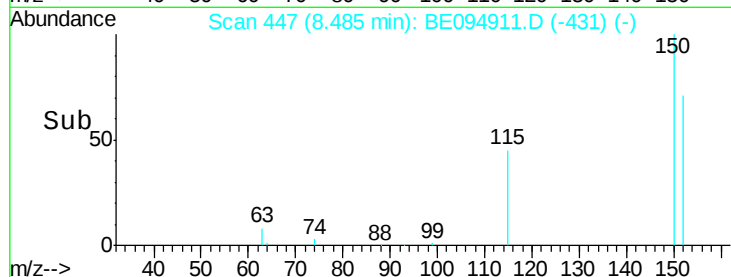
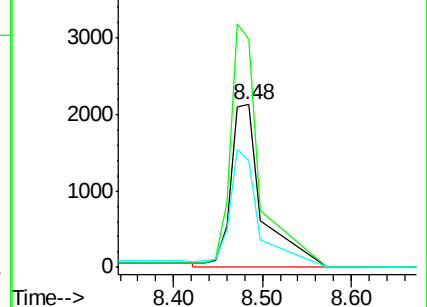
115 65.6 57.0 85.6



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: 0.15 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094911.D

Acq: 1 Dec 2017 18:49

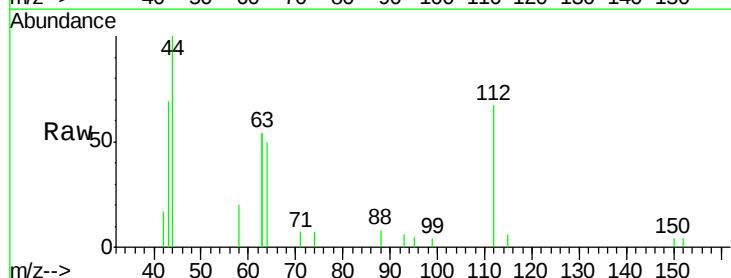
Tgt Ion:112 Resp: 1630

Ion Ratio Lower Upper

112 100

64 79.0 60.1 90.1

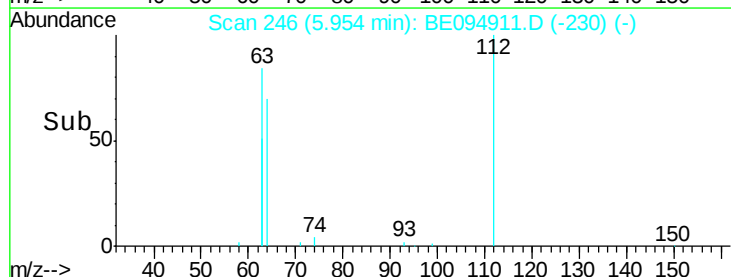
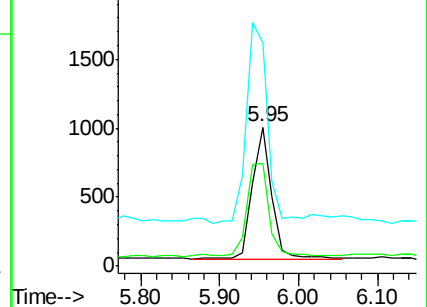
63 166.8 116.8 175.2

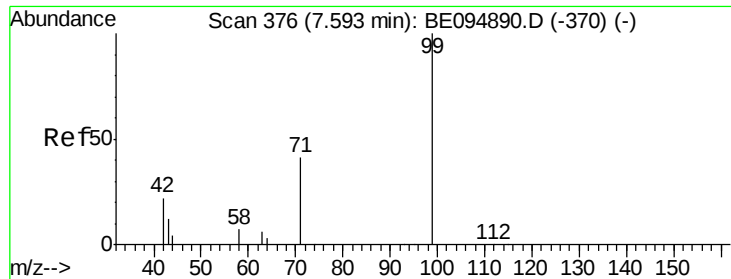


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.09 ng

RT: 7.59 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE094911.D

Acq: 1 Dec 2017 18:49

Instrument :

BNA\_E

ClientSampleId :

MW-1

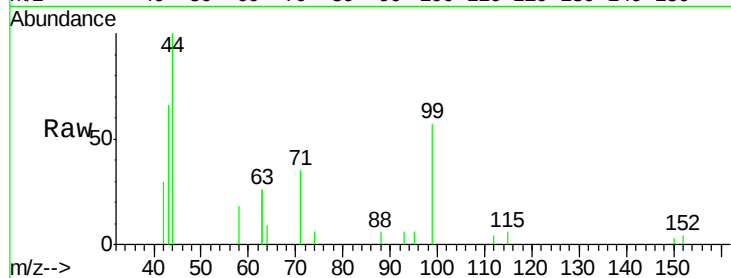
Tot Ion: 99 Resp: 1545

Ion Ratio Lower Upper

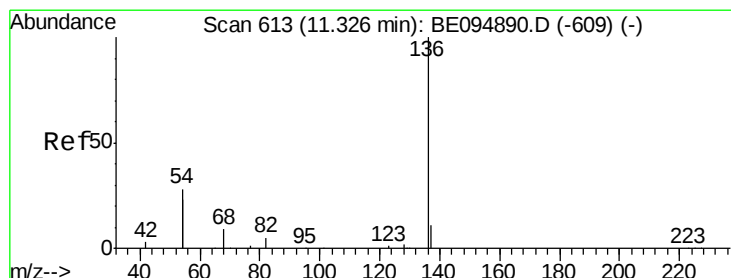
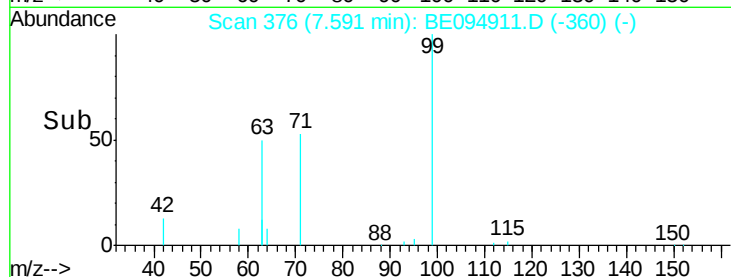
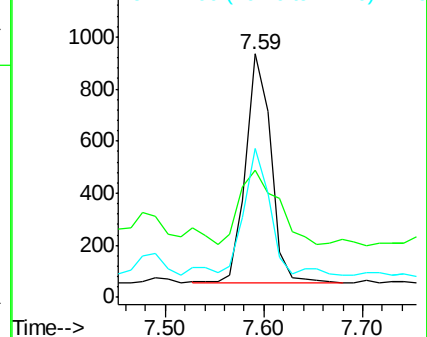
99 100

42 48.5 20.2 30.2#

71 62.6 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

Naphthalene-d8

Concen: 0.40 ng

RT: 11.33 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE094911.D

Acq: 1 Dec 2017 18:49

Tgt Ion: 136 Resp: 15786

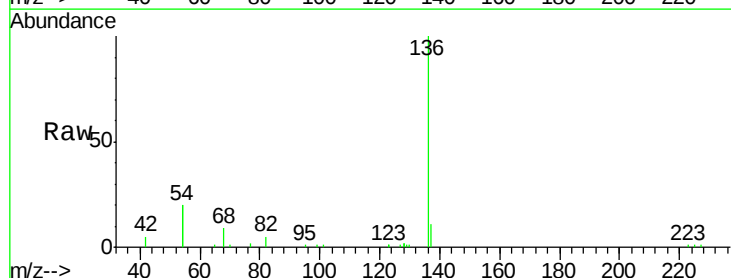
Ion Ratio Lower Upper

136 100

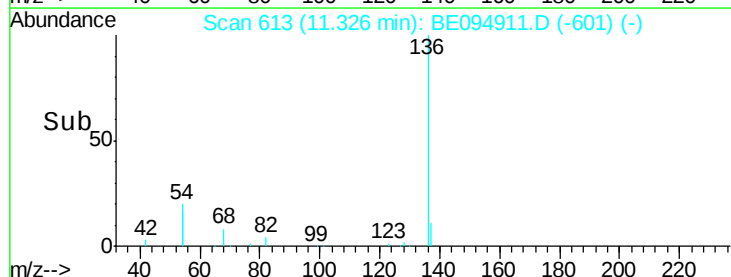
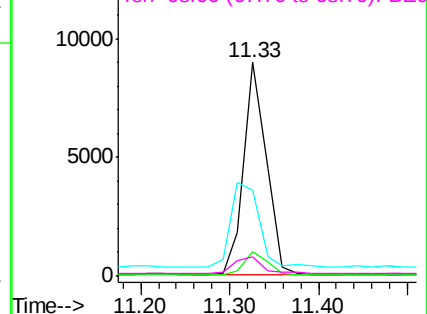
137 11.3 9.5 14.3

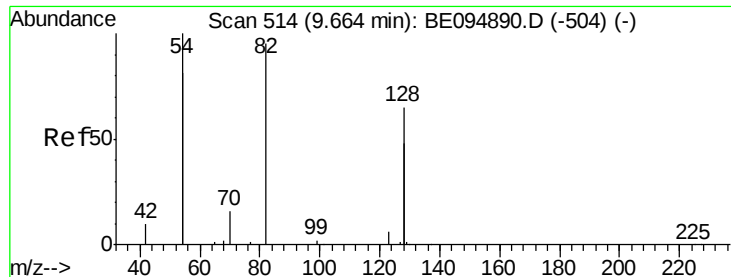
54 40.4 29.1 43.7

68 8.8 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





#8

Nitrobenzene-d5

Concen: 0.45 ng

RT: 9.66 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE094911.D

Acq: 1 Dec 2017 18:49

Instrument :

BNA\_E

ClientSampleId :

MW-1

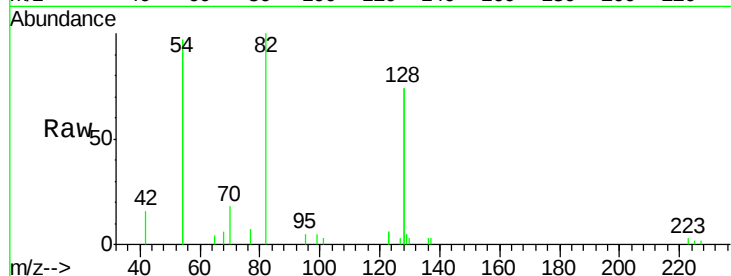
Tot Ion: 82 Resp: 4167

Ion Ratio Lower Upper

82 100

128 148.1 150.0 225.0#

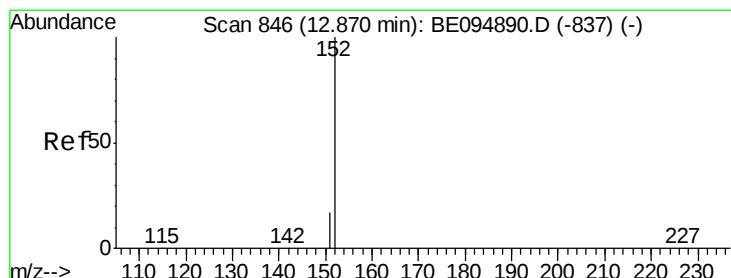
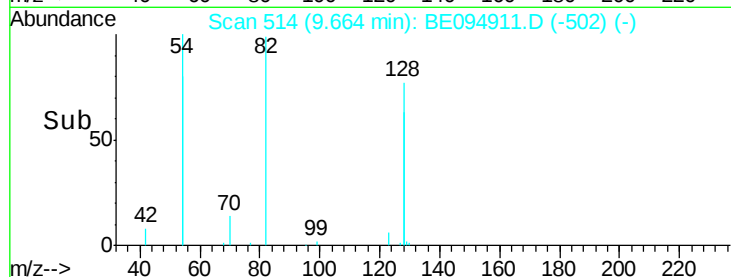
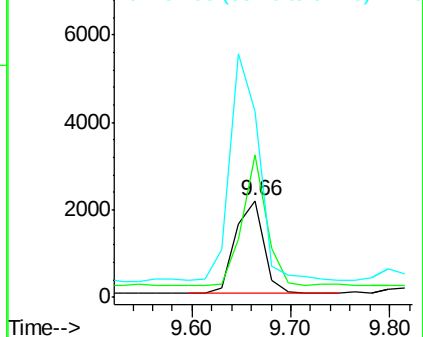
54 193.0 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.38 ng

RT: 12.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE094911.D

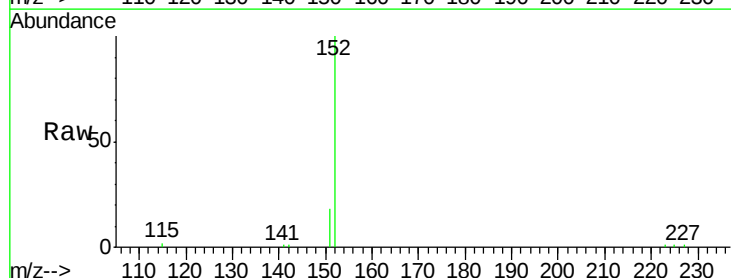
Acq: 1 Dec 2017 18:49

Tgt Ion: 152 Resp: 9450

Ion Ratio Lower Upper

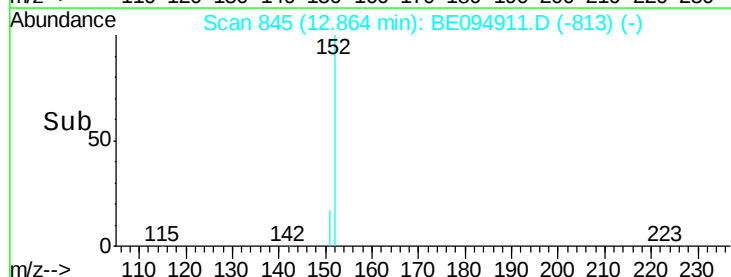
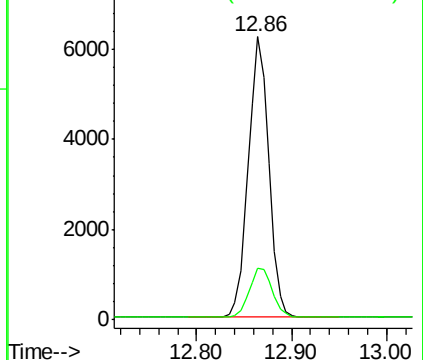
152 100

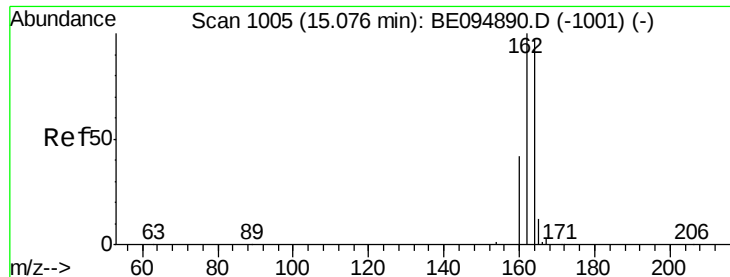
151 19.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BE094911.D

Acq: 1 Dec 2017 18:49

Instrument :

BNA\_E

ClientSampleId :

MW-1

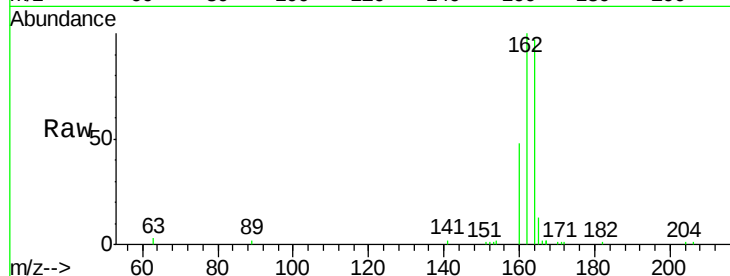
Tot Ion:164 Resp: 9606

Ion Ratio Lower Upper

164 100

162 103.2 83.1 124.7

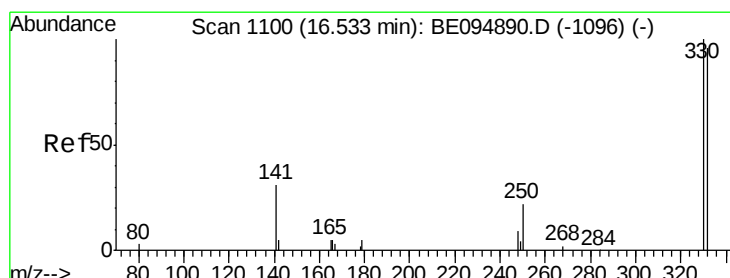
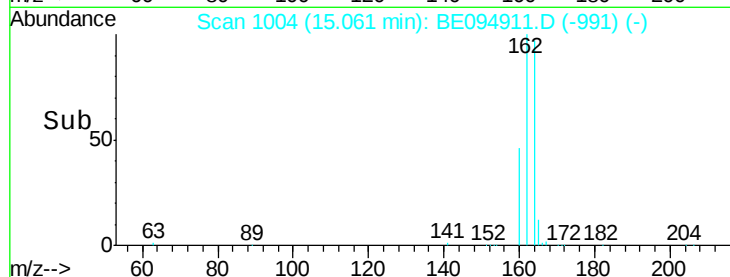
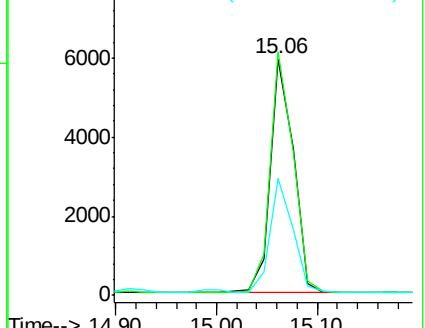
160 49.6 37.1 55.7



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



#14

2,4,6-Tribromophenol

Concen: 0.43 ng

RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE094911.D

Acq: 1 Dec 2017 18:49

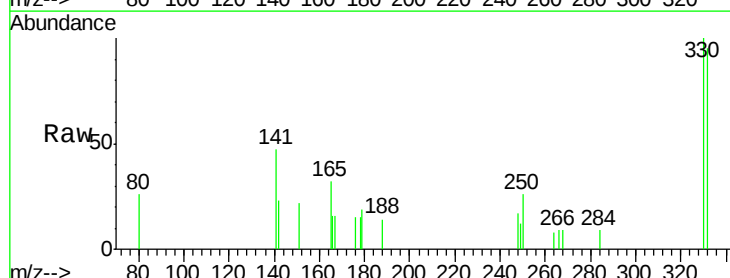
Tgt Ion:330 Resp: 842

Ion Ratio Lower Upper

330 100

332 98.9 152.7 229.1#

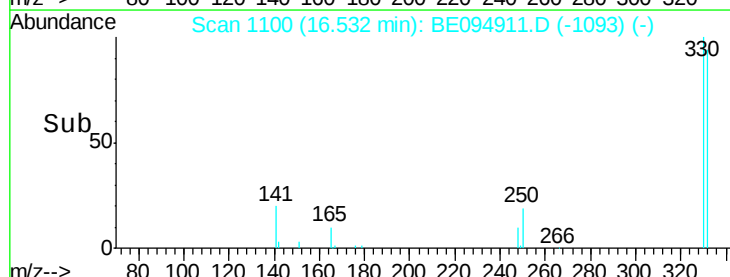
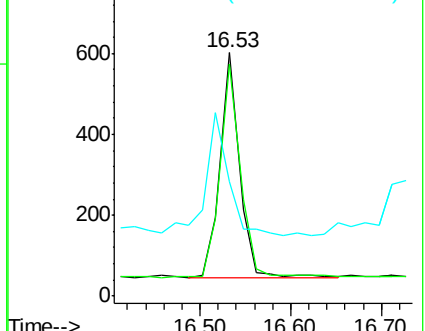
141 64.7 33.7 50.5#

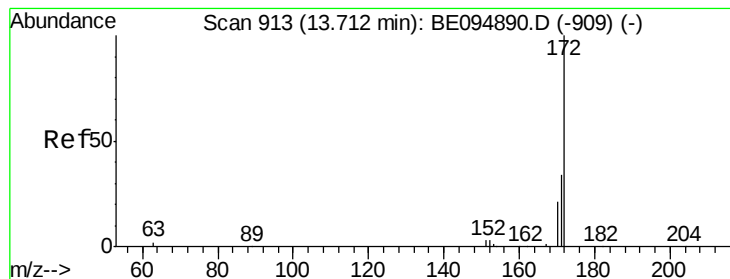


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.40 ng

RT: 13.71 min Scan# 913

Delta R.T. 0.00 min

Lab File: BE094911.D

Acq: 1 Dec 2017 18:49

Instrument :

BNA\_E

ClientSampled :

MW-1

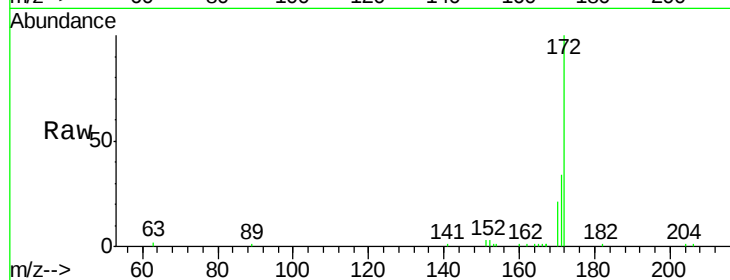
Tot Ion:172 Resp: 16559

Ion Ratio Lower Upper

172 100

171 34.1 29.9 44.9

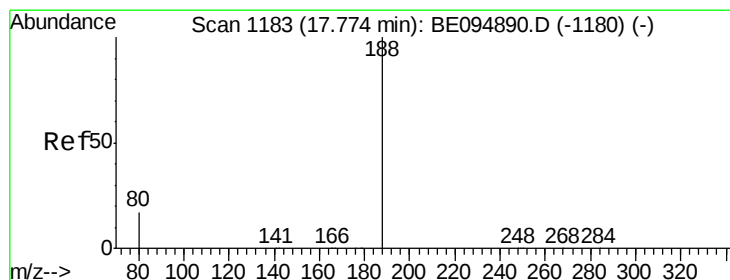
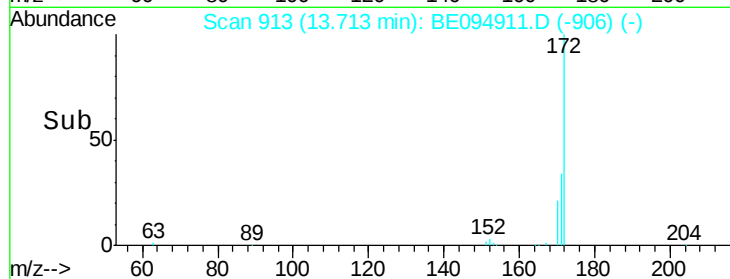
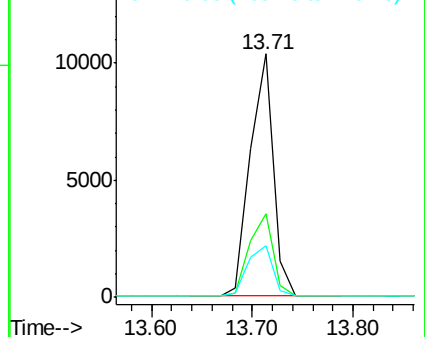
170 21.1 21.8 32.8#



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: 0.40 ng

RT: 17.77 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BE094911.D

Acq: 1 Dec 2017 18:49

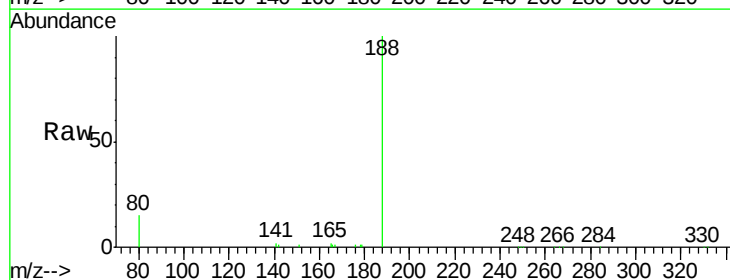
Tgt Ion:188 Resp: 22597

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

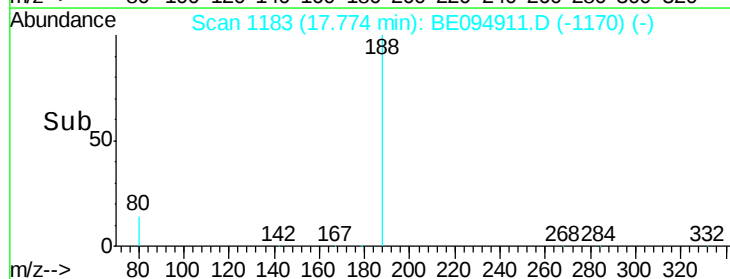
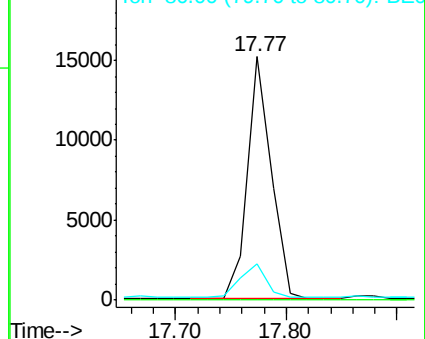
80 15.0 3.6 5.4#

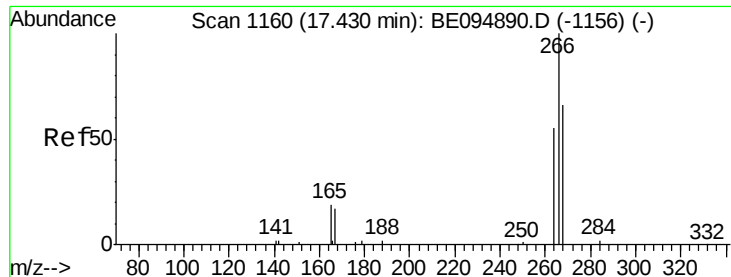


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

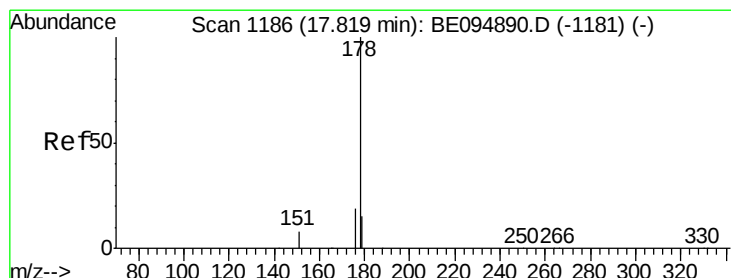
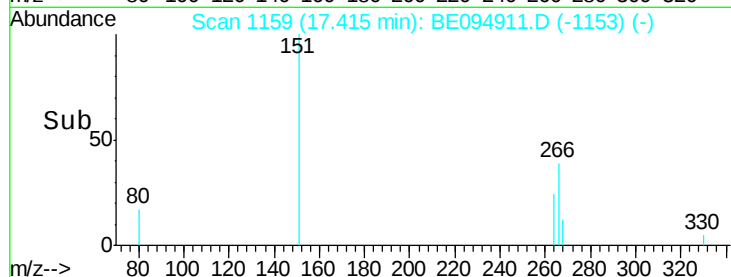
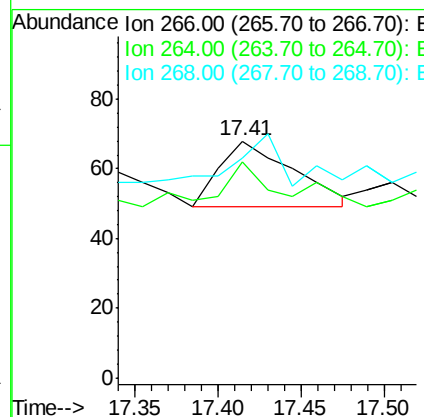
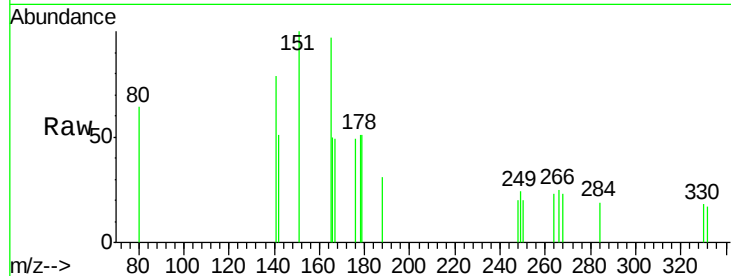




#22  
Pentachlorophenol  
Concen: 0.15 ng  
RT: 17.41 min Scan# 1159  
Delta R.T. -0.01 min  
Lab File: BE094911.D  
Acq: 1 Dec 2017 18:49

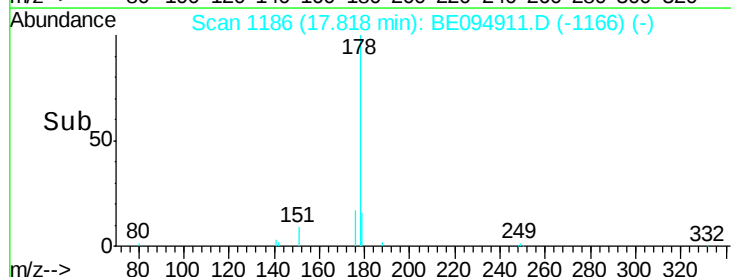
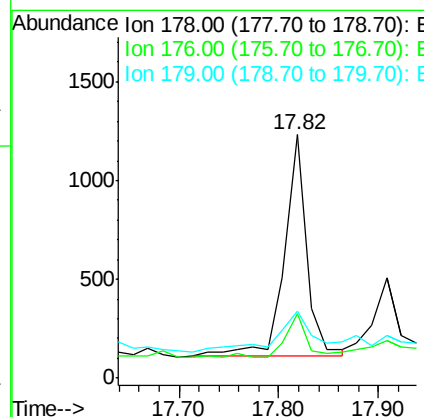
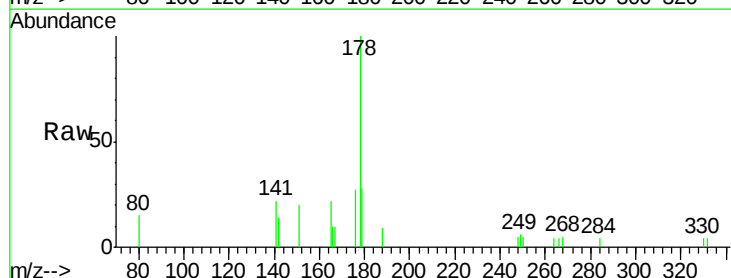
Instrument :  
BNA\_E  
ClientSampleId :  
MW-1

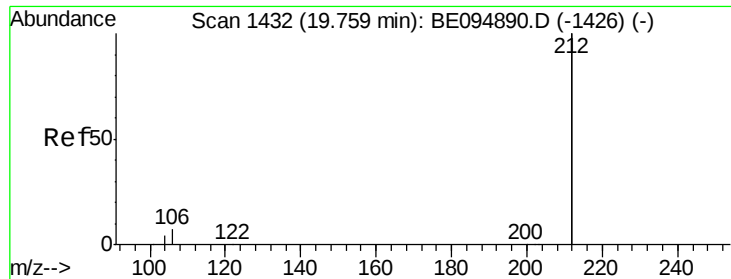
Tot Ion:266 Resp: 58  
Ion Ratio Lower Upper  
266 100  
264 91.2 72.5 108.7  
268 92.6 73.8 110.6



#23  
Phenanthrene  
Concen: 0.02 ng  
RT: 17.82 min Scan# 1186  
Delta R.T. -0.00 min  
Lab File: BE094911.D  
Acq: 1 Dec 2017 18:49

Tgt Ion:178 Resp: 1761  
Ion Ratio Lower Upper  
178 100  
176 20.8 15.1 22.7  
179 19.6 11.8 17.6#

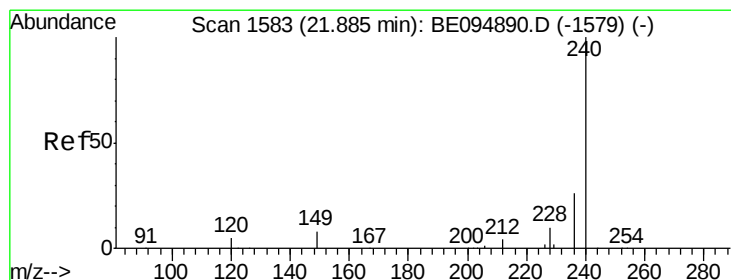
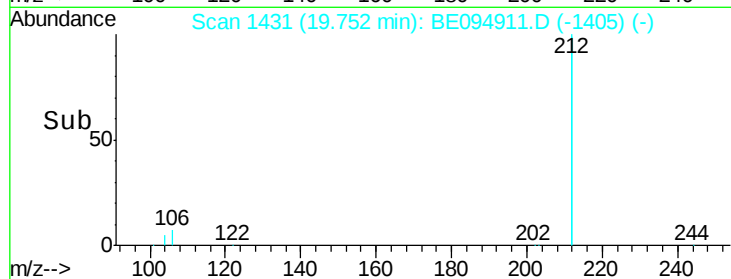
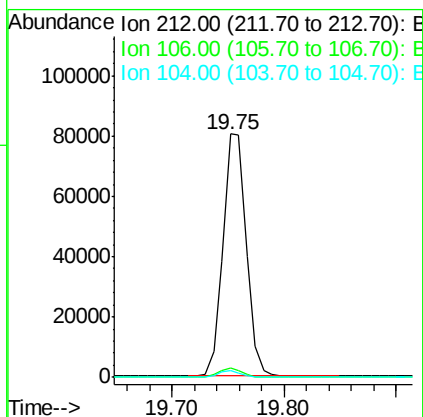
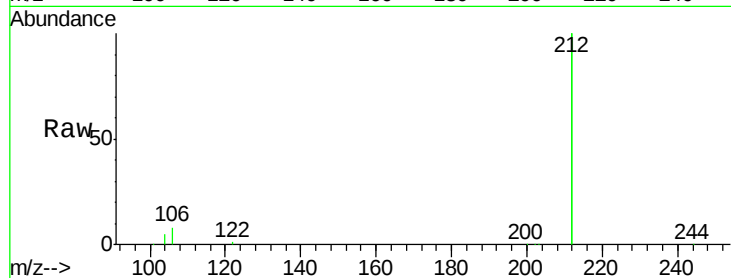




#25  
 Fluoranthene-d10  
 Concen: 0.37 ng  
 RT: 19.75 min Scan# 1431  
 Delta R.T. -0.01 min  
 Lab File: BE094911.D  
 Acq: 1 Dec 2017 18:49

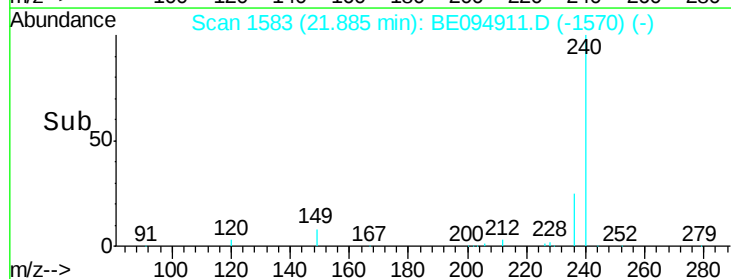
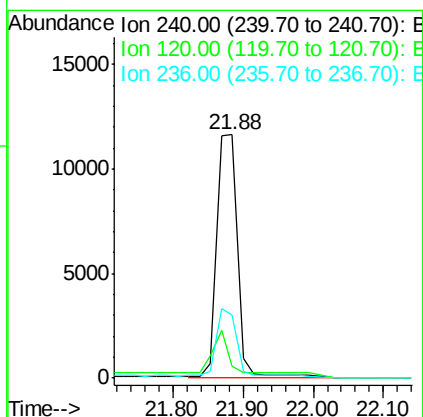
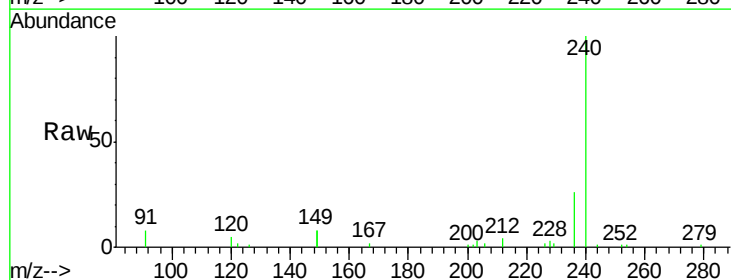
Instrument :  
 BNA\_E  
 ClientSampleId :  
 MW-1

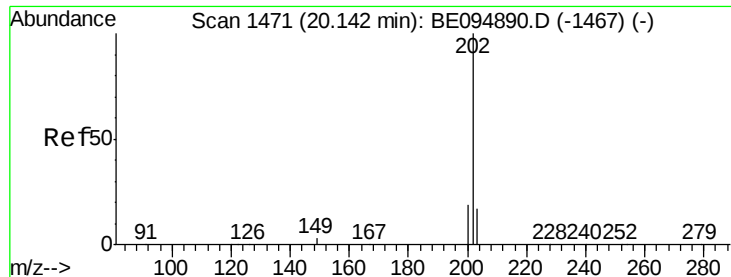
Tot Ion:212 Resp: 115531  
 Ion Ratio Lower Upper  
 212 100  
 106 3.5 2.8 4.2  
 104 2.2 1.6 2.4



#27  
 Chrysene-d12  
 Concen: 0.40 ng  
 RT: 21.88 min Scan# 1583  
 Delta R.T. -0.00 min  
 Lab File: BE094911.D  
 Acq: 1 Dec 2017 18:49

Tgt Ion:240 Resp: 25379  
 Ion Ratio Lower Upper  
 240 100  
 120 4.7 5.5 8.3#  
 236 25.8 20.7 31.1

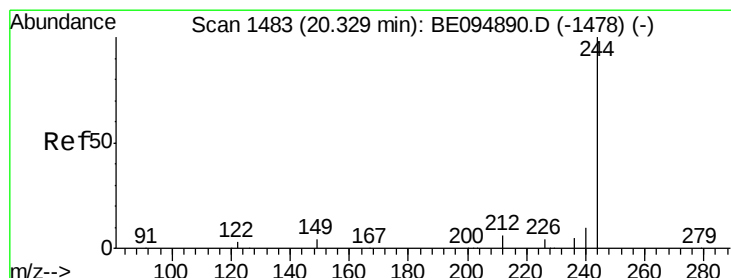
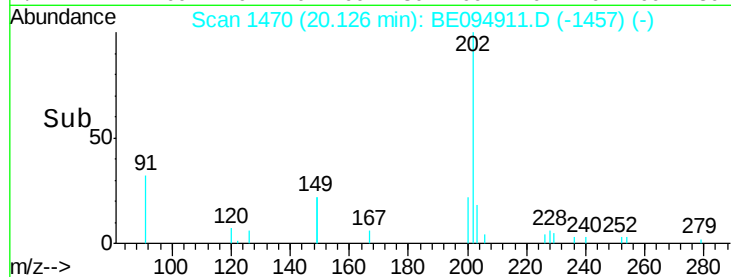
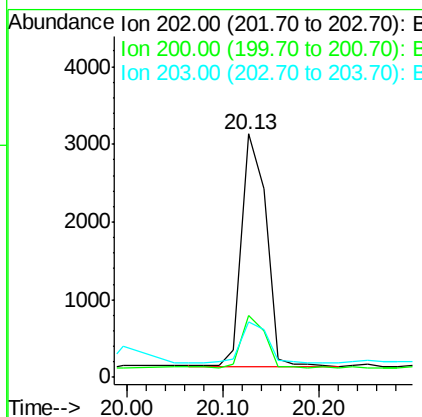
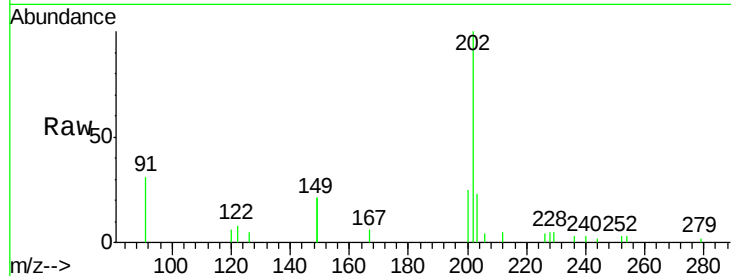




#28  
Pvrene  
Concen: 0.06 ng  
RT: 20.13 min Scan# 1470  
Delta R.T. -0.02 min  
Lab File: BE094911.D  
Acq: 1 Dec 2017 18:49

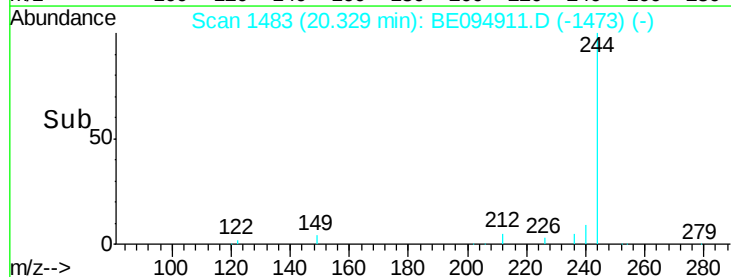
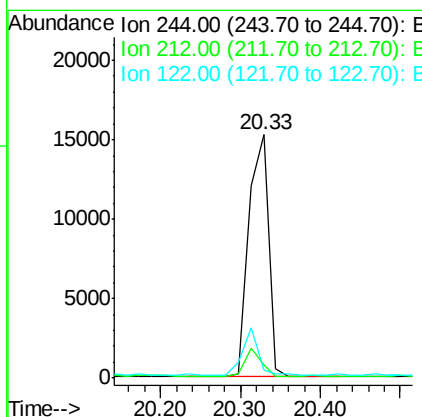
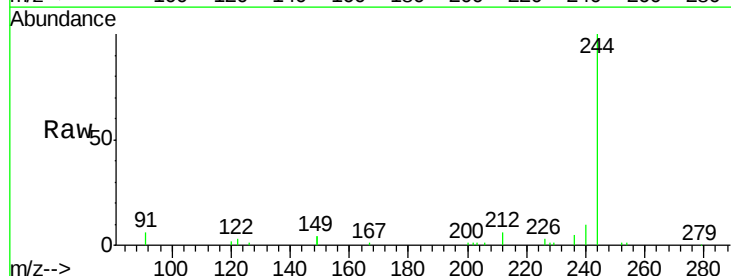
Instrument :  
BNA\_E  
ClientSampleId :  
MW-1

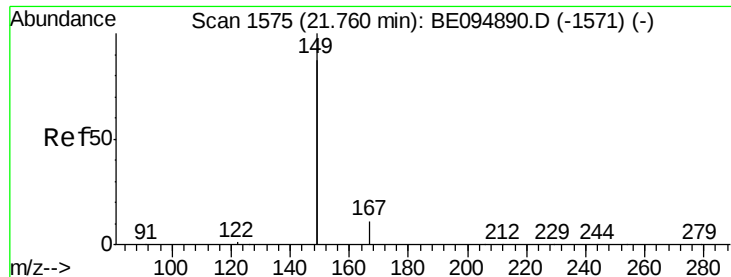
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.0  | 16.6  | 25.0  |
| 203     | 19.8  | 13.8  | 20.8  |



#29  
Terphenyl-d14  
Concen: 0.56 ng  
RT: 20.33 min Scan# 1483  
Delta R.T. -0.00 min  
Lab File: BE094911.D  
Acq: 1 Dec 2017 18:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 5.5   | 25.4  | 38.0# |
| 122     | 3.2   | 8.1   | 12.1# |





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.13 ng

RT: 21.76 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BE094911.D

Acq: 1 Dec 2017 18:49

Instrument :

BNA\_E

ClientSampleId :

MW-1

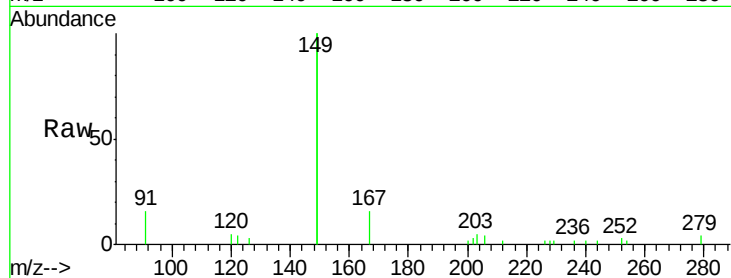
Tot Ion:149 Resp: 17068

Ion Ratio Lower Upper

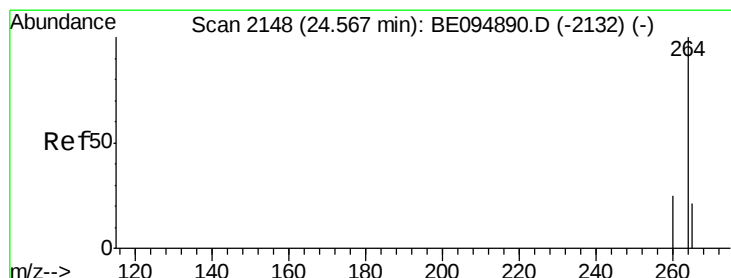
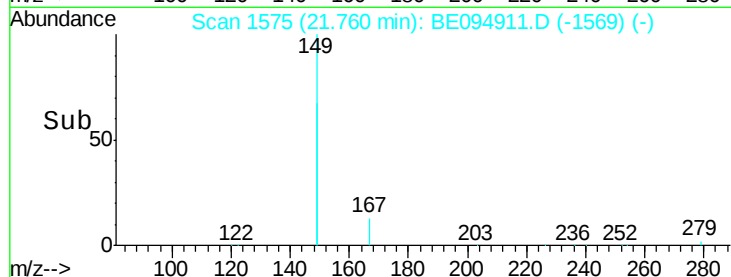
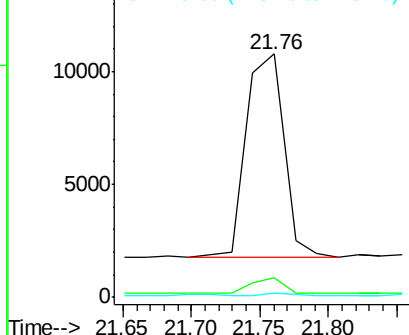
149 100

167 6.8 5.4 8.0

279 0.9 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: 0.40 ng

RT: 24.55 min Scan# 2145

Delta R.T. -0.01 min

Lab File: BE094911.D

Acq: 1 Dec 2017 18:49

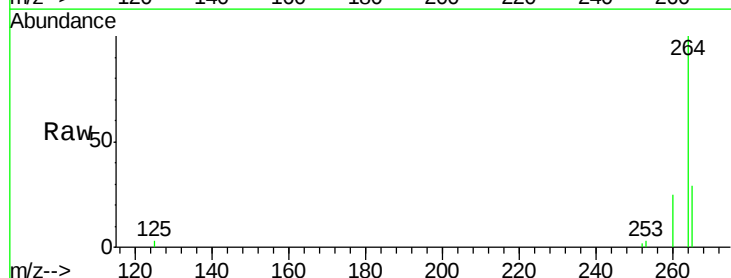
Tgt Ion:264 Resp: 19997

Ion Ratio Lower Upper

264 100

260 24.6 20.5 30.7

265 29.3 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

