

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072117\  
 Data File : BE093514.D  
 Acq On : 21 Jul 2017 18:41  
 Operator : SJ/JU  
 Sample : I4199-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 3561-PP1

Quant Time: Jul 22 01:54:59 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE072117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 21 16:13:20 2017  
 Response via : Initial Calibration

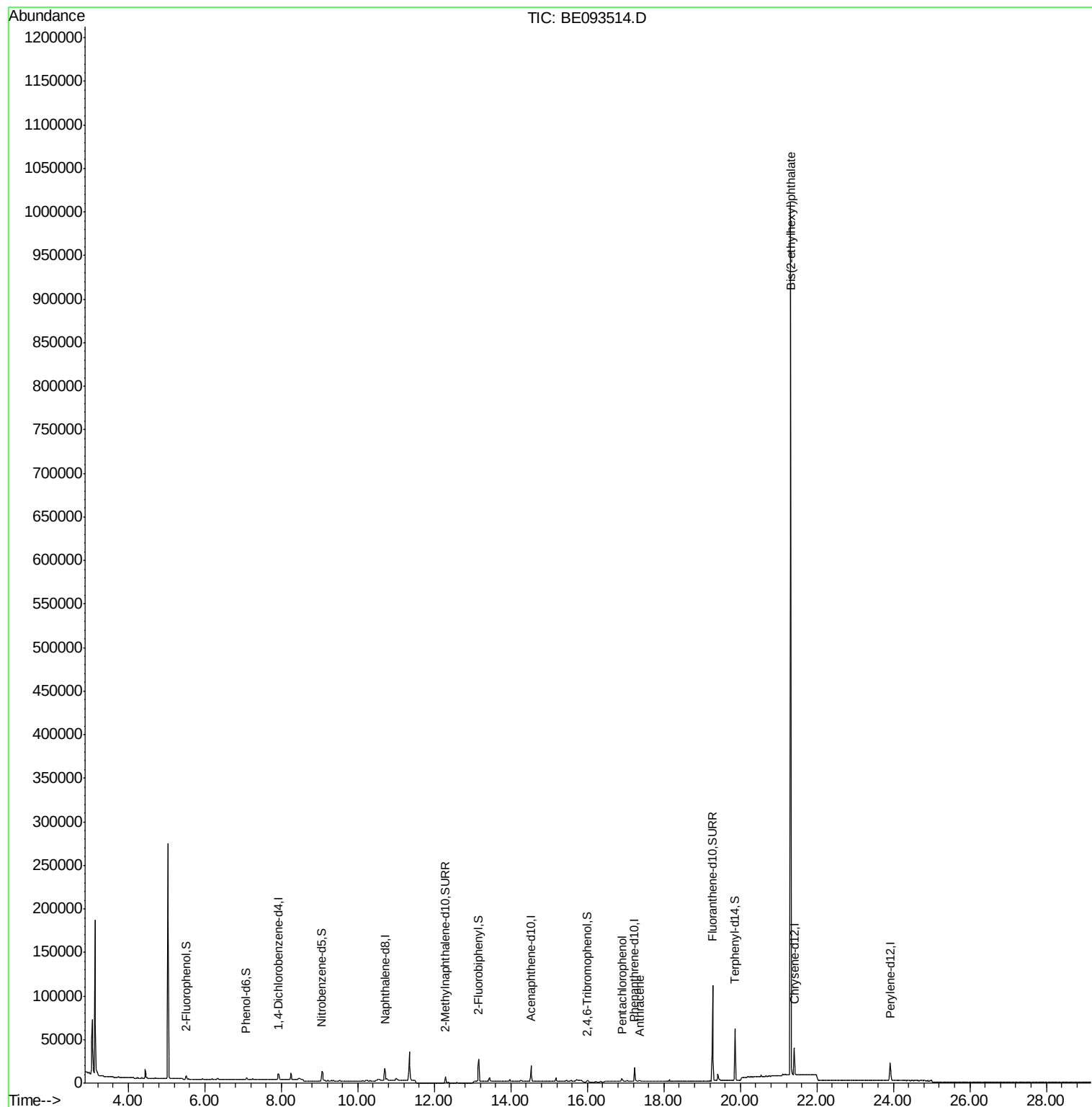
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.93  | 152  | 3429     | 0.40  | ng    | 0.00      |
| 7) Naphthalene-d8              | 10.71 | 136  | 16565    | 0.40  | ng    | 0.00      |
| 13) Acenaphthene-d10           | 14.52 | 164  | 9989     | 0.40  | ng    | 0.00      |
| 19) Phenanthrene-d10           | 17.23 | 188  | 25423    | 0.40  | ng    | 0.00      |
| 27) Chrysene-d12               | 21.42 | 240  | 36456    | 0.40  | ng    | 0.00      |
| 34) Perylene-d12               | 23.91 | 264  | 31236    | 0.40  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 4) 2-Fluorophenol              | 5.52  | 112  | 1964     | 0.17  | ng    | 0.00      |
| 5) Phenol-d6                   | 7.09  | 99   | 1805     | 0.11  | ng    | 0.00      |
| 8) Nitrobenzene-d5             | 9.06  | 82   | 5280     | 0.40  | ng    | 0.00      |
| 11) 2-Methylnaphthalene-d10    | 12.29 | 152  | 9411     | 0.35  | ng    | 0.00      |
| 14) 2,4,6-Tribromophenol       | 16.00 | 330  | 1261     | 0.35  | ng    | 0.00      |
| 15) 2-Fluorobiphenyl           | 13.16 | 172  | 25242    | 0.64  | ng    | 0.00      |
| 25) Fluoranthene-d10           | 19.27 | 212  | 140081   | 0.35  | ng    | 0.00      |
| 29) Terphenyl-d14              | 19.86 | 244  | 52290    | 0.79  | ng    | 0.00      |
| Target Compounds               |       |      |          |       |       |           |
| 22) Pentachlorophenol          | 16.91 | 266  | 2967     | 0.583 | ng    | Qvalue 94 |
| 24) Anthracene                 | 17.36 | 178  | 1770     | 0.020 | ng    | # 81      |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 1125321  | 4.806 | ng    | 98        |

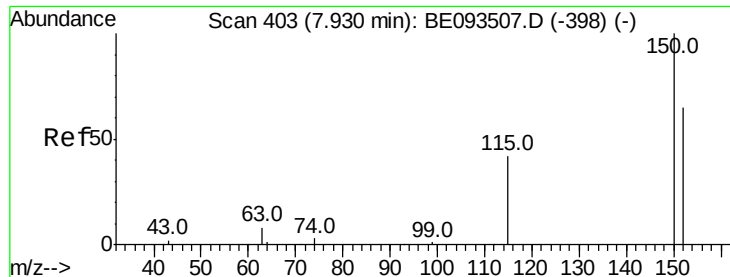
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.93 min Scan# 403

Delta R.T. 0.00 min

Lab File: BE093514.D

Acq: 21 Jul 2017 18:41

Instrument :

BNA\_E

ClientSampleId :

3561-PP1

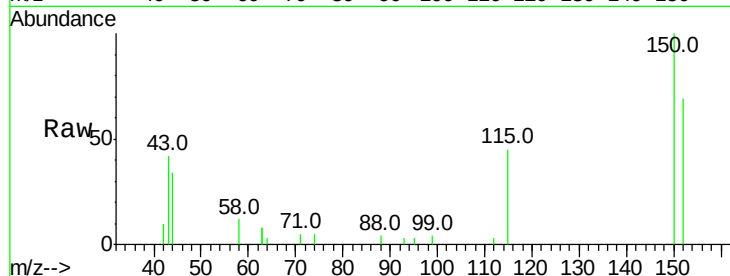
Tot Ion:152 Resp: 3429

Ion Ratio Lower Upper

152 100

150 145.6 125.1 187.7

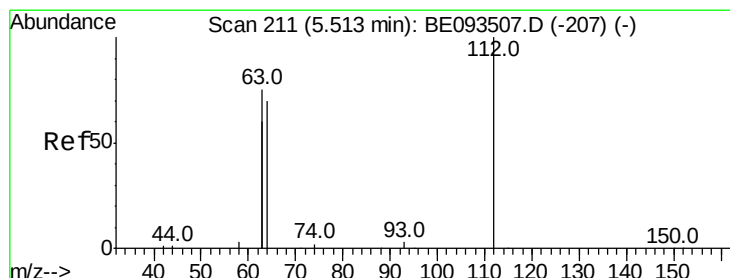
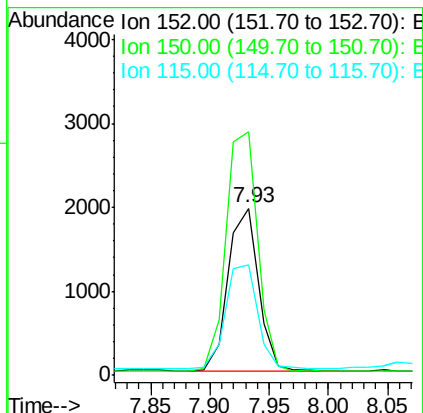
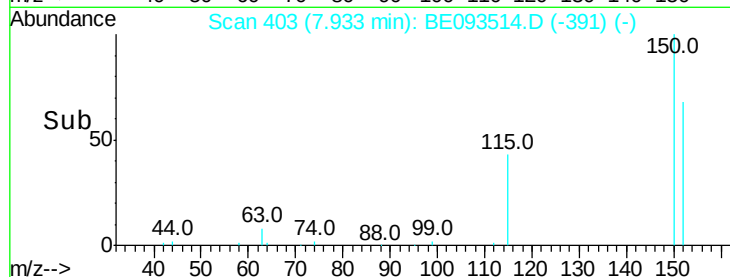
115 65.8 55.7 83.5



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: 0.165 ng

RT: 5.52 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093514.D

Acq: 21 Jul 2017 18:41

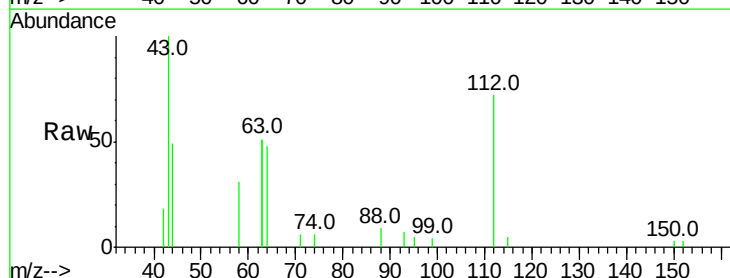
Tgt Ion:112 Resp: 1964

Ion Ratio Lower Upper

112 100

64 66.7 56.4 84.6

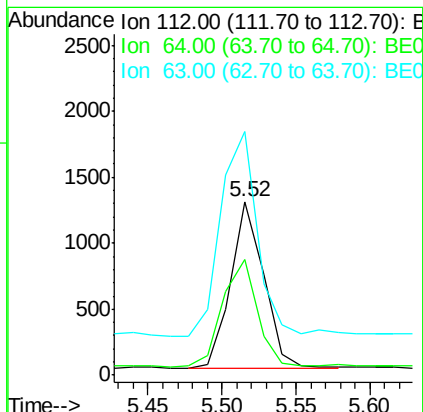
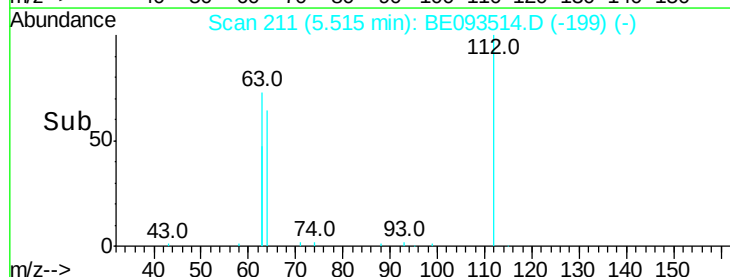
63 139.6 29.3 43.9#

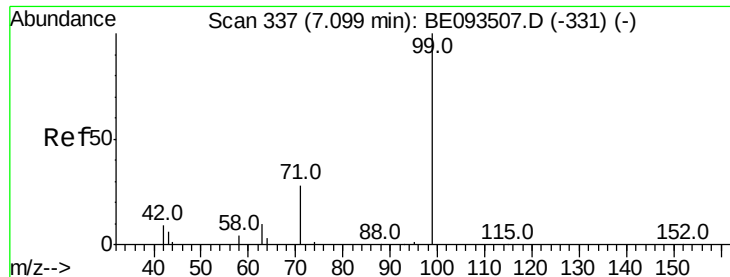


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.108 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093514.D

Acq: 21 Jul 2017 18:41

Instrument :

BNA\_E

ClientSampleId :

3561-PP1

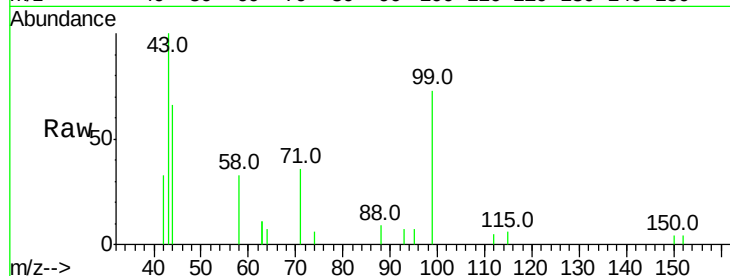
Tot Ion: 99 Resp: 1805

Ion Ratio Lower Upper

99 100

42 23.7 0.0 0.0#

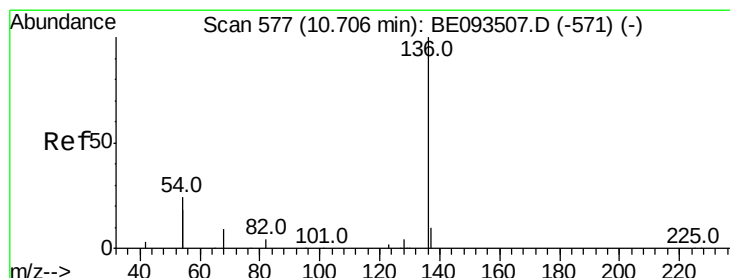
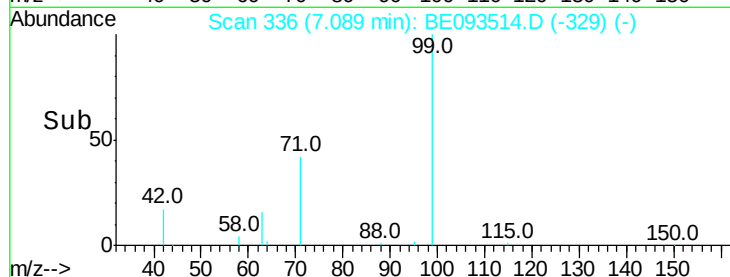
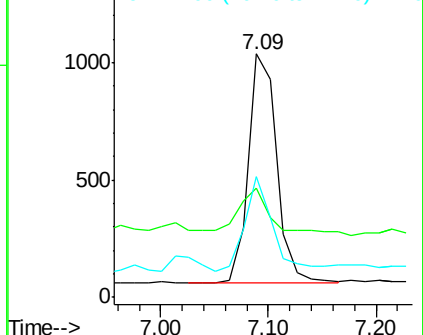
71 39.9 0.0 0.0#



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: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093514.D

Acq: 21 Jul 2017 18:41

Tgt Ion: 136 Resp: 16565

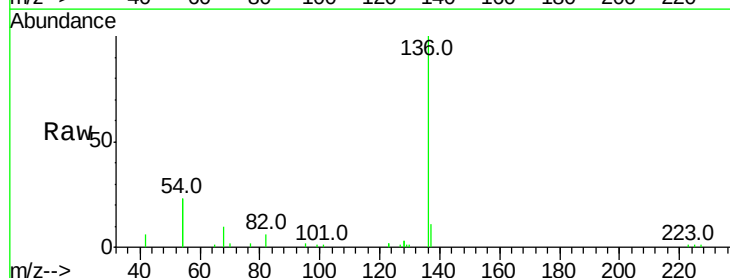
Ion Ratio Lower Upper

136 100

137 10.6 9.8 14.8

54 45.2 10.3 15.5#

68 10.2 9.0 13.4

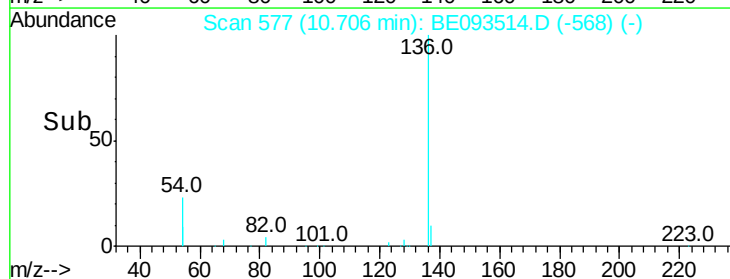
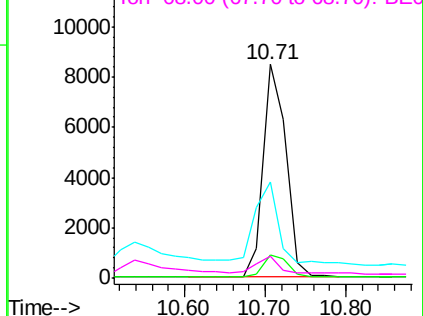


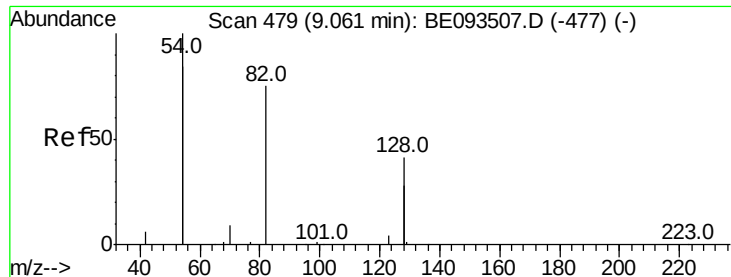
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.401 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093514.D

Acq: 21 Jul 2017 18:41

Instrument :

BNA\_E

ClientSampleId :

3561-PP1

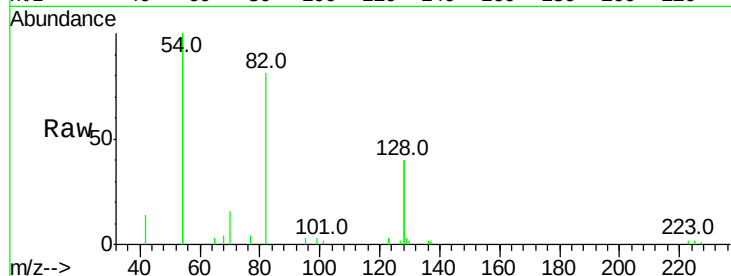
Tot Ion: 82 Resp: 5280

Ion Ratio Lower Upper

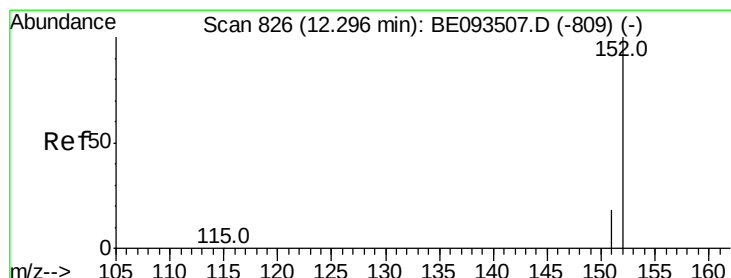
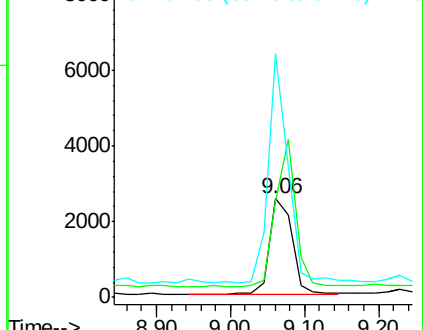
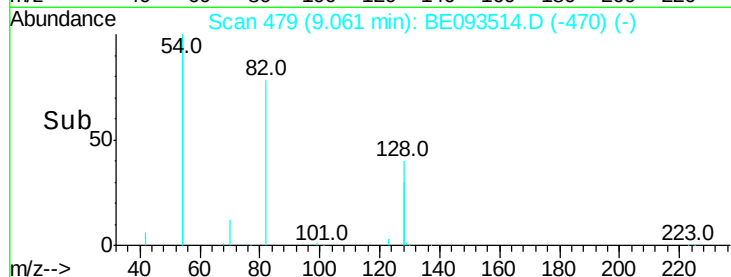
82 100

128 98.4 17.0 25.4#

54 247.4 53.8 80.6#



Abundance Ion 82.00 (81.70 to 82.70): BE093514.D (-470) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.351 ng

RT: 12.29 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE093514.D

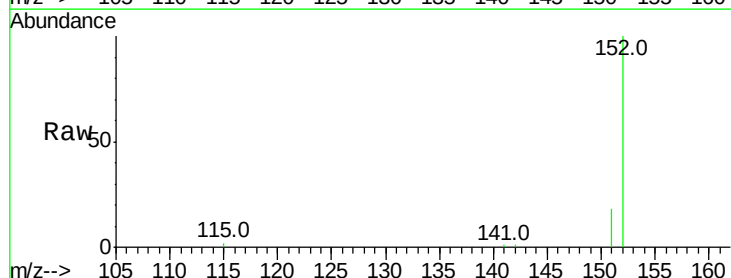
Acq: 21 Jul 2017 18:41

Tgt Ion: 152 Resp: 9411

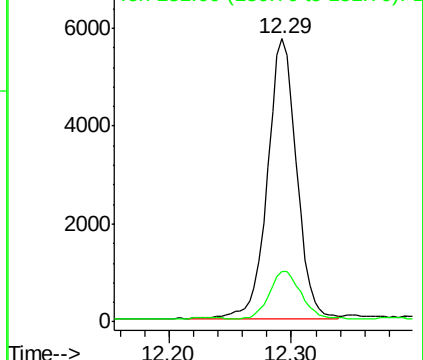
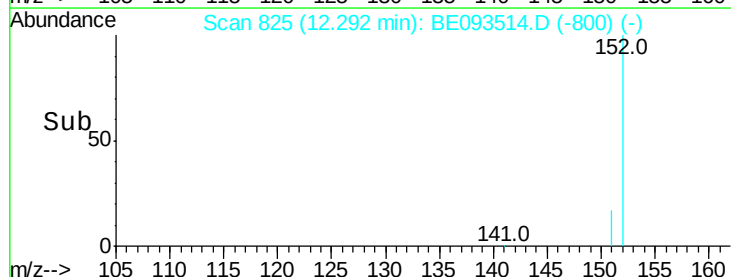
Ion Ratio Lower Upper

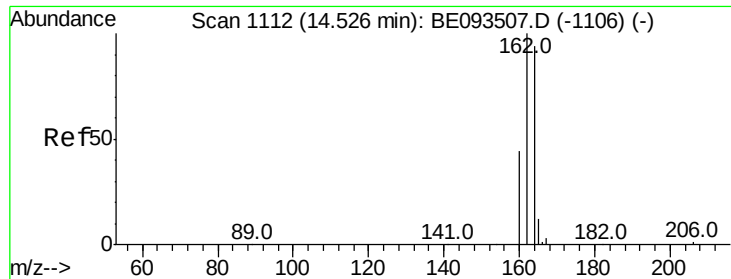
152 100

151 18.2 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): BE093514.D (-800) (-)

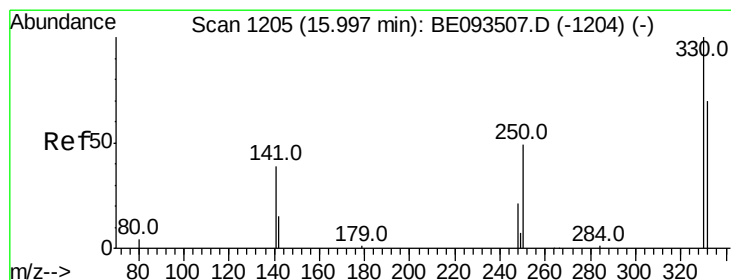
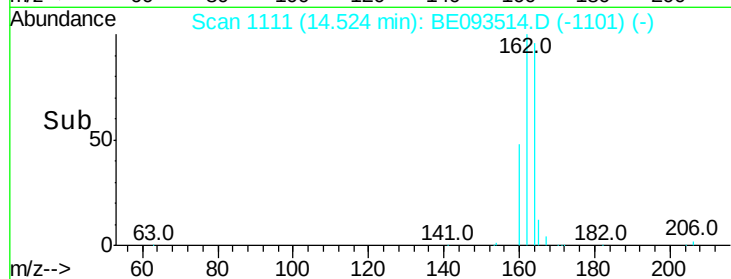
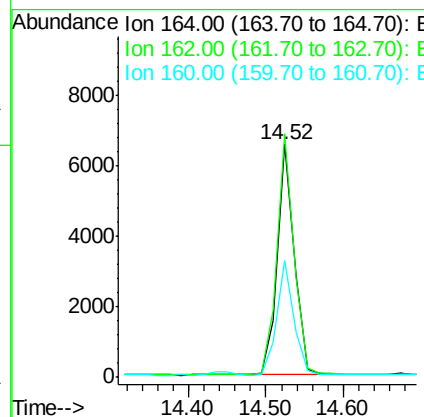
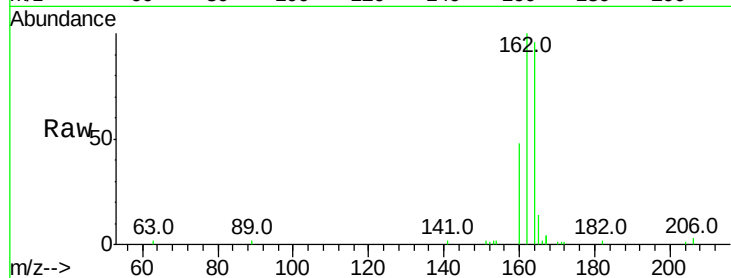




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.52 min Scan# 1111  
 Delta R.T. -0.00 min  
 Lab File: BE093514.D  
 Acq: 21 Jul 2017 18:41

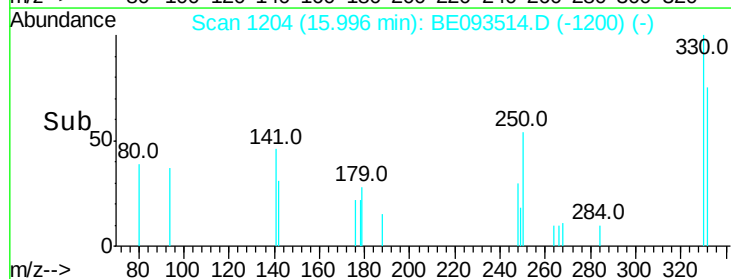
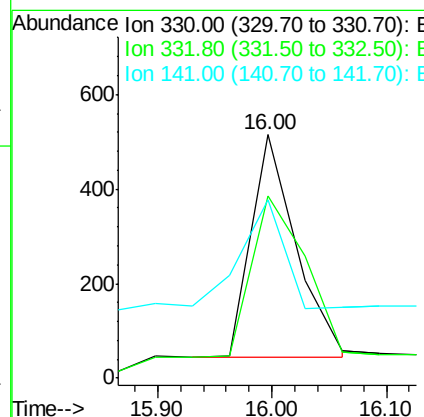
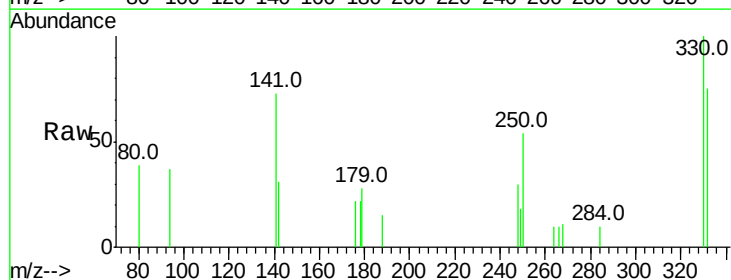
Instrument :  
 BNA\_E  
 ClientSampleId :  
 3561-PP1

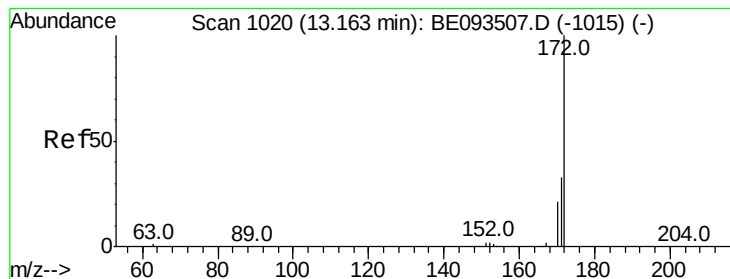
Tot Ion:164 Resp: 9989  
 Ion Ratio Lower Upper  
 164 100  
 162 104.5 84.6 127.0  
 160 50.2 41.8 62.6



#14  
 2,4,6-Tribromophenol  
 Concen: 0.347 ng  
 RT: 16.00 min Scan# 1204  
 Delta R.T. -0.00 min  
 Lab File: BE093514.D  
 Acq: 21 Jul 2017 18:41

Tgt Ion:330 Resp: 1261  
 Ion Ratio Lower Upper  
 330 100  
 332 87.8 77.7 116.5  
 141 46.6 56.2 84.4#





#15

2-Fluorobiphenyl

Concen: 0.642 ng

RT: 13.16 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE093514.D

Acq: 21 Jul 2017 18:41

Instrument :

BNA\_E

ClientSampleId :

3561-PP1

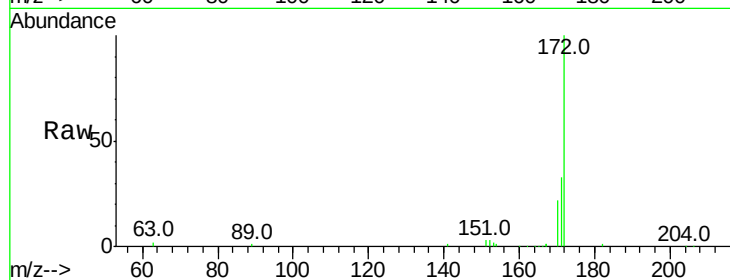
Tot Ion:172 Resp: 25242

Ion Ratio Lower Upper

172 100

171 33.5 29.8 44.6

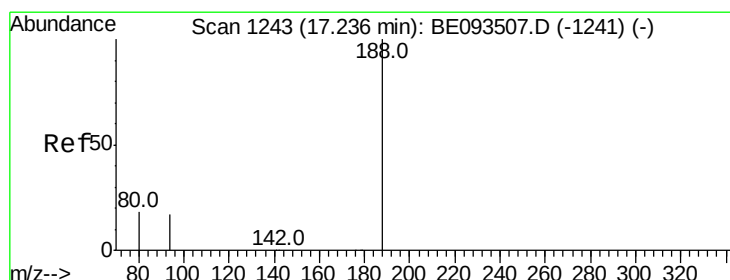
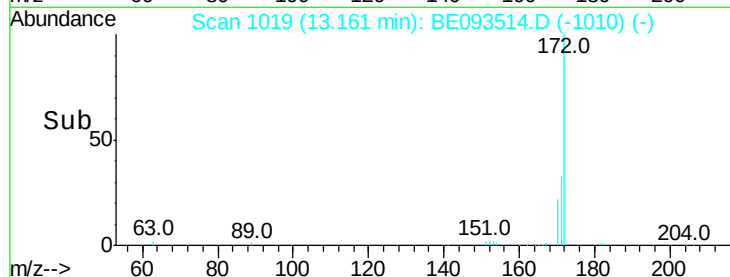
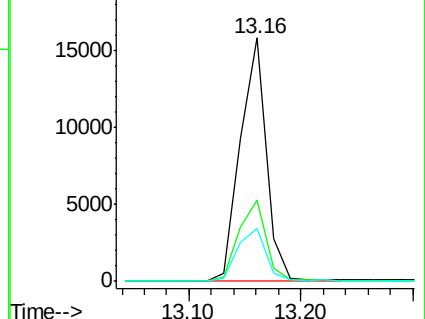
170 21.7 20.7 31.1



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: 17.23 min Scan# 1242

Delta R.T. -0.00 min

Lab File: BE093514.D

Acq: 21 Jul 2017 18:41

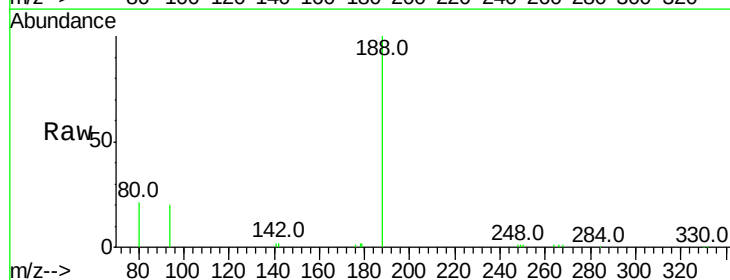
Tgt Ion:188 Resp: 25423

Ion Ratio Lower Upper

188 100

94 20.1 11.3 16.9#

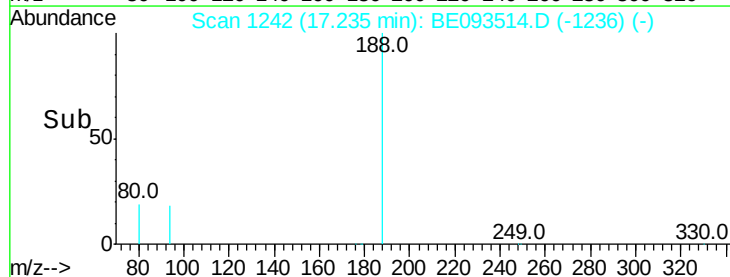
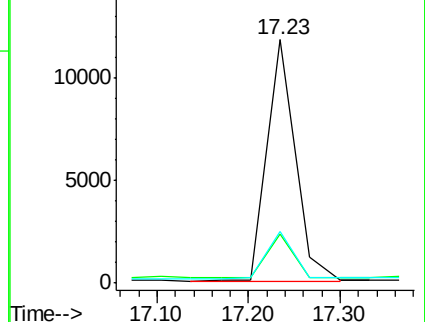
80 21.0 11.7 17.5#

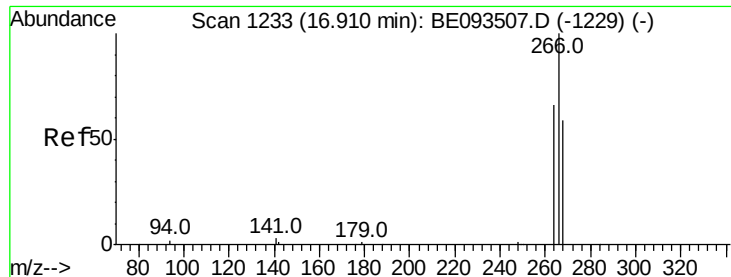


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.583 ng

RT: 16.91 min Scan# 1232

Delta R.T. -0.00 min

Lab File: BE093514.D

Acq: 21 Jul 2017 18:41

Instrument :

BNA\_E

ClientSampleId :

3561-PP1

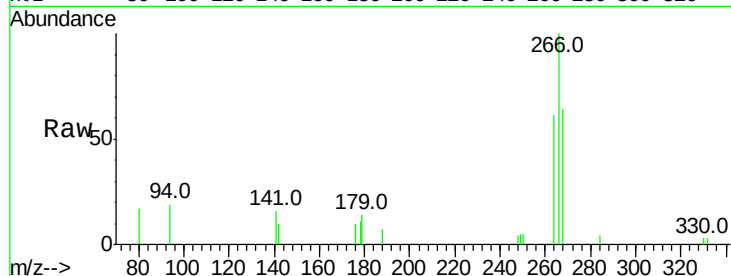
Tot Ion:266 Resp: 2967

Ion Ratio Lower Upper

266 100

264 60.8 56.0 84.0

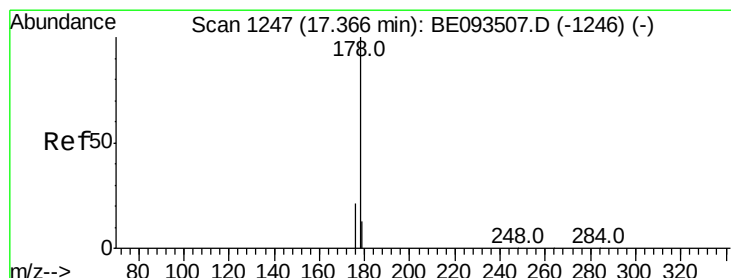
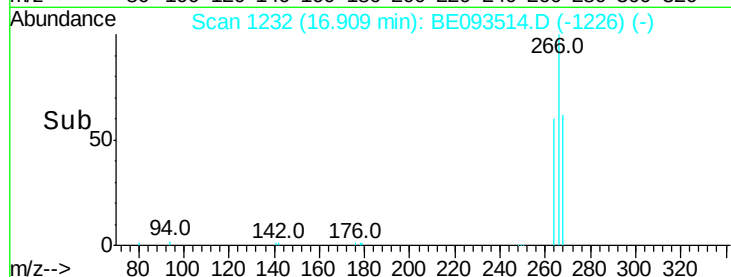
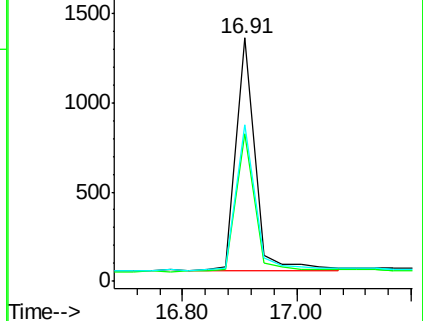
268 64.1 52.0 78.0



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



#24

Anthracene

Concen: 0.020 ng

RT: 17.36 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE093514.D

Acq: 21 Jul 2017 18:41

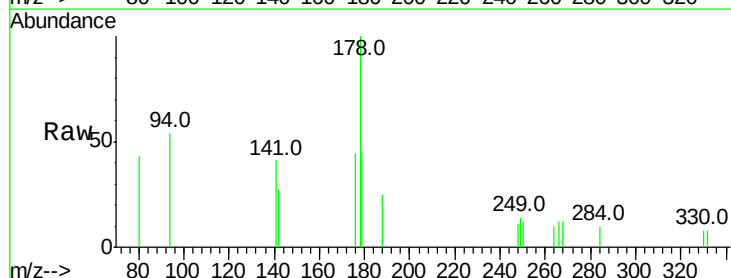
Tgt Ion:178 Resp: 1770

Ion Ratio Lower Upper

178 100

176 20.8 14.6 22.0

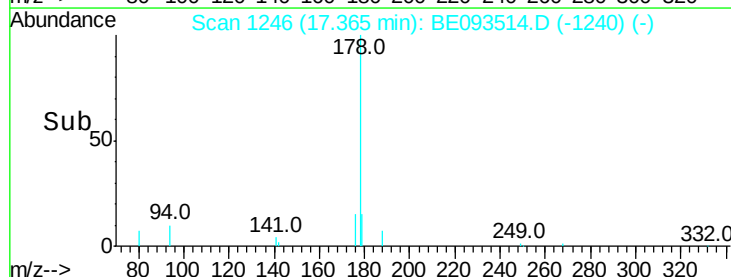
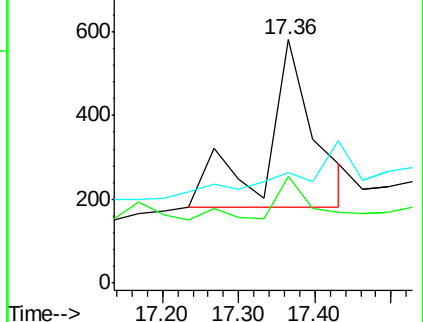
179 0.0 12.0 18.0#



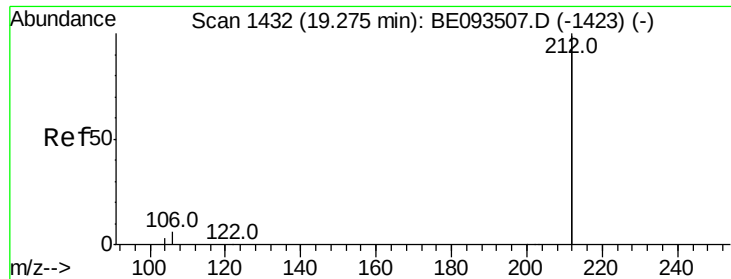
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



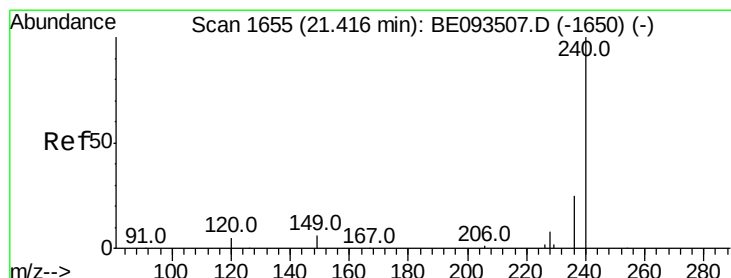
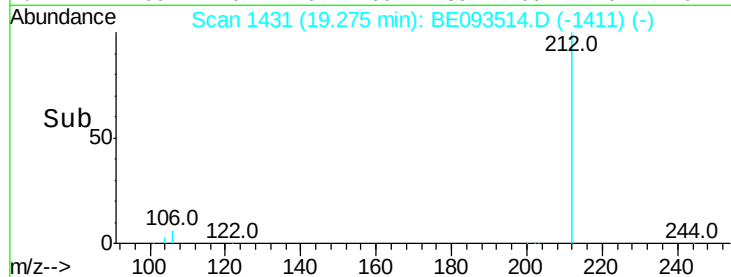
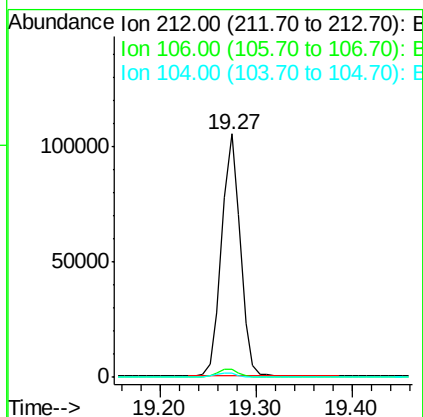
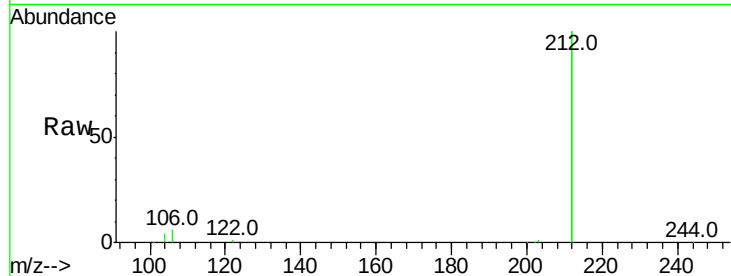




#25  
 Fluoranthene-d10  
 Concen: 0.346 ng  
 RT: 19.27 min Scan# 1431  
 Delta R.T. -0.00 min  
 Lab File: BE093514.D  
 Acq: 21 Jul 2017 18:41

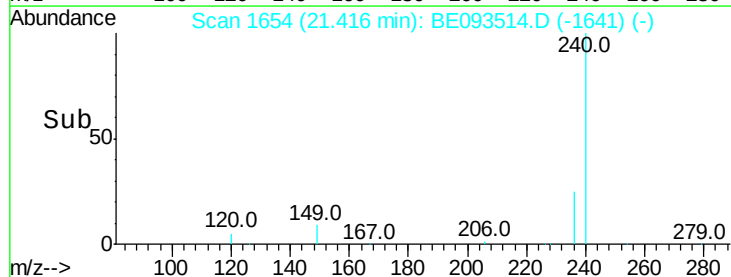
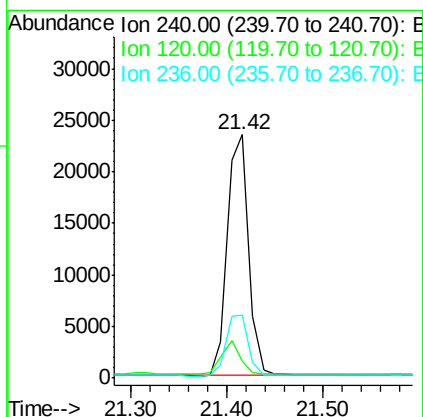
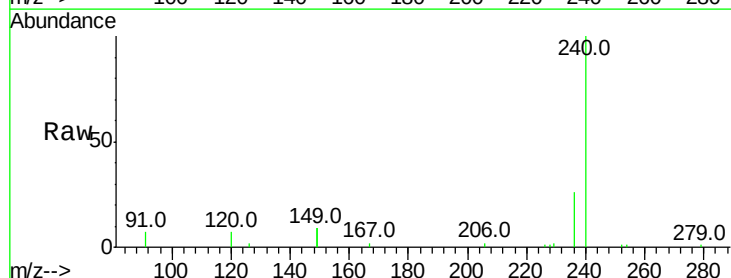
Instrument :  
 BNA\_E  
 ClientSampleId :  
 3561-PP1

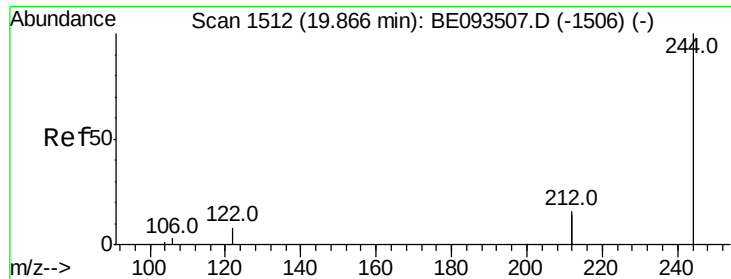
Tot Ion:212 Resp: 140081  
 Ion Ratio Lower Upper  
 212 100  
 106 3.4 2.4 3.6  
 104 1.9 1.6 2.4



#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.42 min Scan# 1654  
 Delta R.T. -0.00 min  
 Lab File: BE093514.D  
 Acq: 21 Jul 2017 18:41

Tgt Ion:240 Resp: 36456  
 Ion Ratio Lower Upper  
 240 100  
 120 7.2 4.6 7.0#  
 236 25.9 20.8 31.2





#29

Terphenyl-d14

Concen: 0.788 ng

RT: 19.86 min Scan# 1510

Delta R.T. -0.01 min

Lab File: BE093514.D

Acq: 21 Jul 2017 18:41

Instrument :

BNA\_E

ClientSampled :

3561-PP1

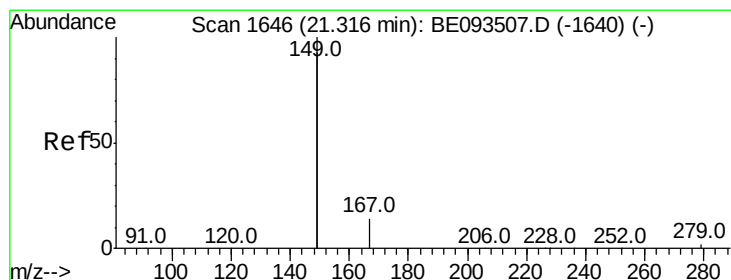
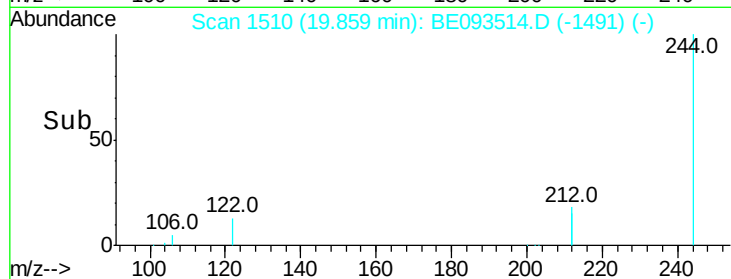
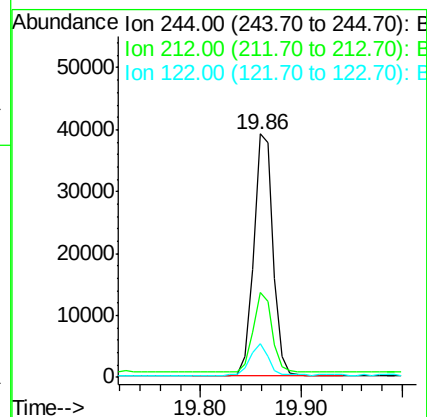
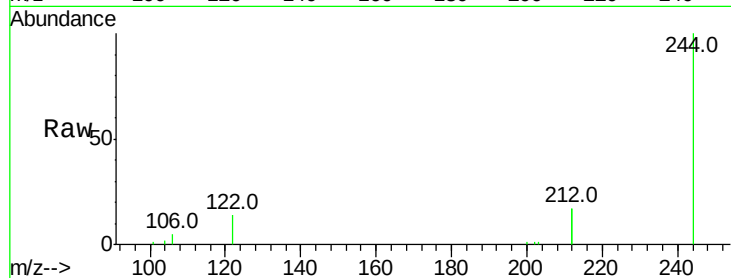
Tot Ion:244 Resp: 52290

Ion Ratio Lower Upper

244 100

212 34.9 10.6 16.0#

122 13.8 15.4 23.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 4.806 ng

RT: 21.32 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BE093514.D

Acq: 21 Jul 2017 18:41

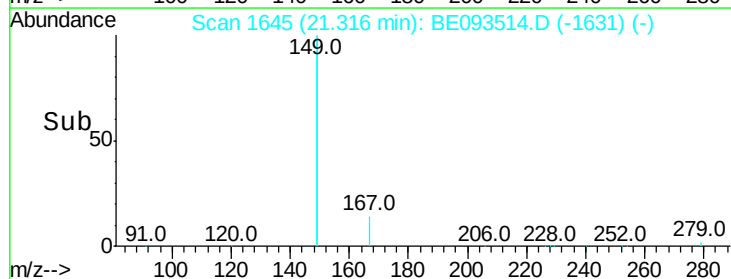
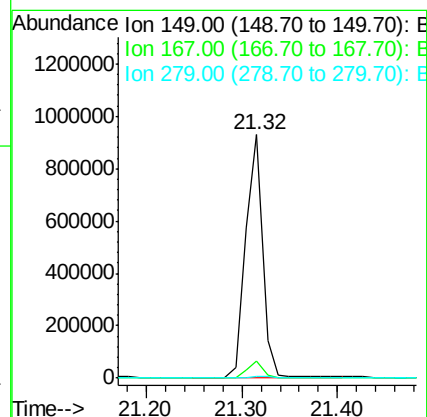
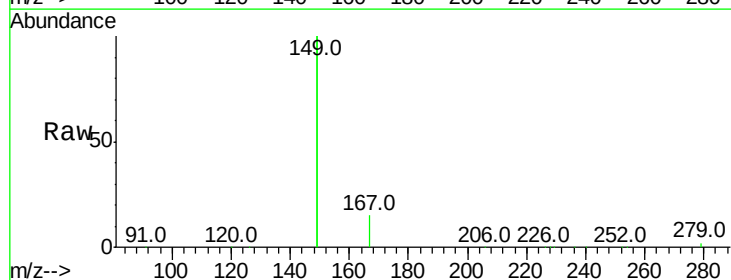
Tgt Ion:149 Resp: 1125321

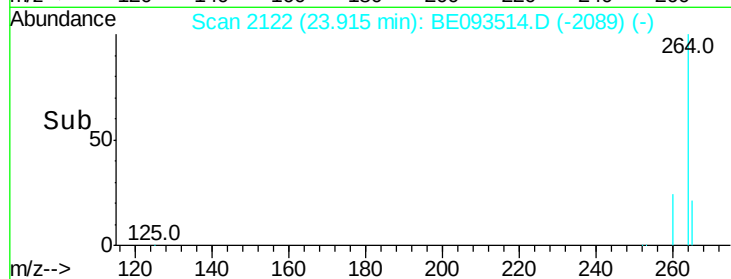
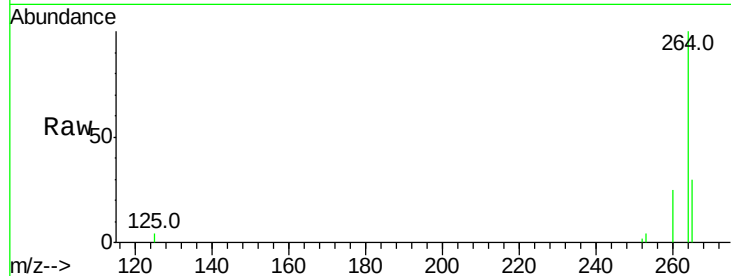
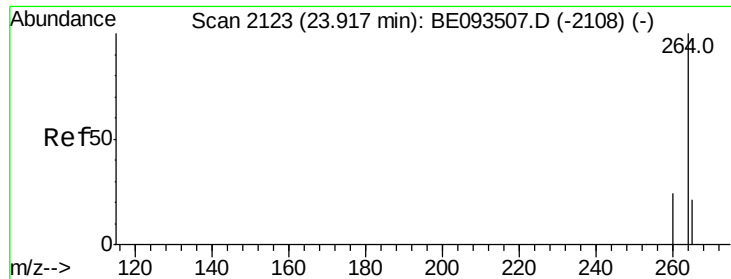
Ion Ratio Lower Upper

149 100

167 6.8 4.8 7.2

279 0.9 0.8 1.2





#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.91 min Scan# 2122  
 Delta R.T. -0.00 min  
 Lab File: BE093514.D  
 Acq: 21 Jul 2017 18:41

Instrument :  
 BNA\_E  
 ClientSampleId :  
 3561-PP1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.7  | 21.0  | 31.4  |
| 265     | 30.1  | 24.6  | 36.8  |

