

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE070717\  
 Data File : BE093442.D  
 Acq On : 7 Jul 2017 14:28  
 Operator : SJ/JU  
 Sample : I4009-05  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MW-BR-P-2-20170629

Quant Time: Jul 08 05:22:47 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE070217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 03 06:40:23 2017  
 Response via : Initial Calibration

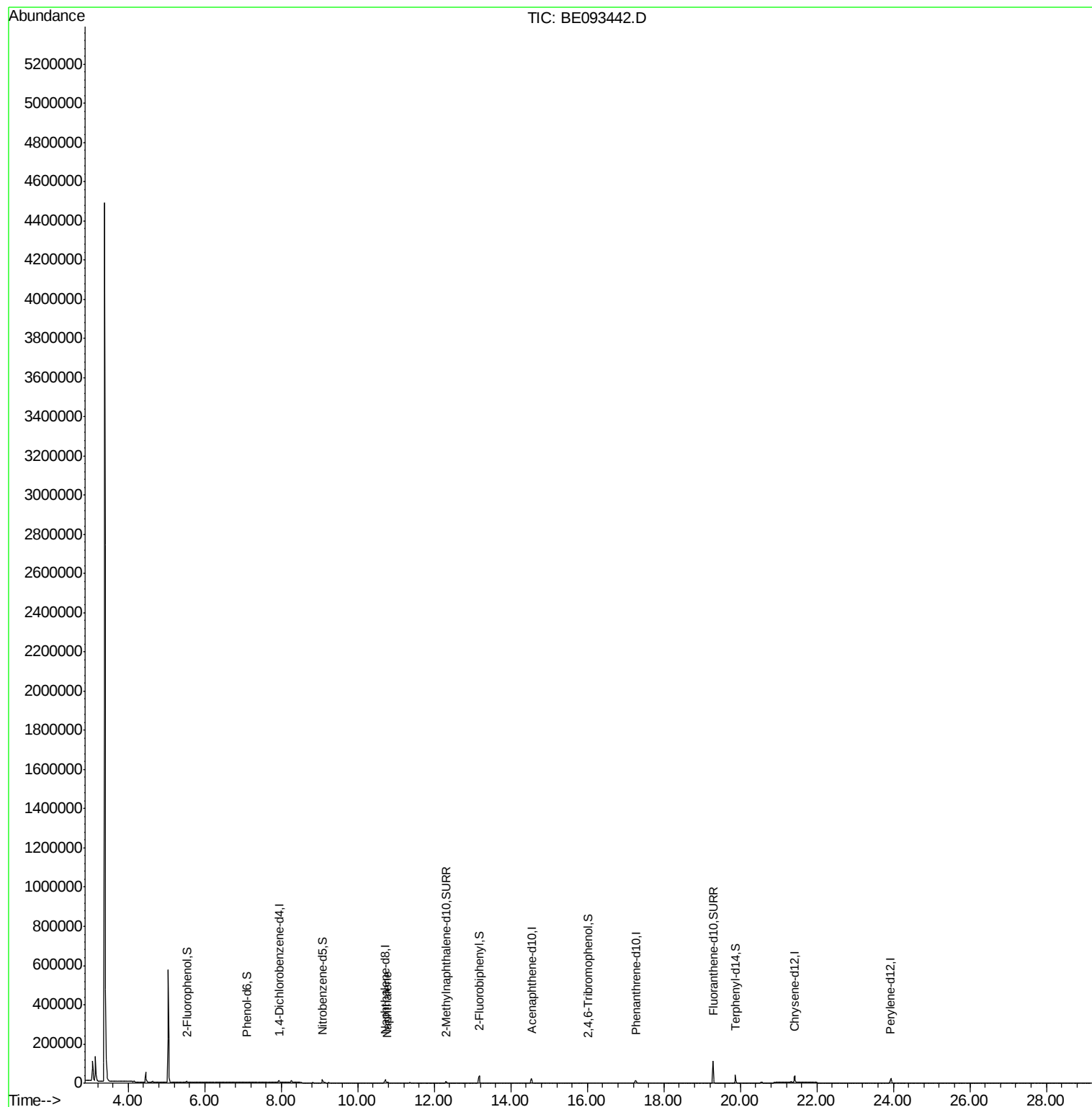
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.95  | 152  | 4246     | 0.40  | ng    | 0.00           |
| 7) Naphthalene-d8           | 10.72 | 136  | 21504    | 0.40  | ng    | 0.00           |
| 13) Acenaphthene-d10        | 14.54 | 164  | 13952    | 0.40  | ng    | 0.00           |
| 19) Phenanthrene-d10        | 17.27 | 188  | 31973    | 0.40  | ng    | 0.00           |
| 27) Chrysene-d12            | 21.43 | 240  | 38606    | 0.40  | ng    | 0.00           |
| 34) Perylene-d12            | 23.93 | 264  | 33039    | 0.40  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 4) 2-Fluorophenol           | 5.53  | 112  | 2017     | 0.16  | ng    | 0.00           |
| 5) Phenol-d6                | 7.10  | 99   | 1922     | 0.10  | ng    | 0.00           |
| 8) Nitrobenzene-d5          | 9.08  | 82   | 5981     | 0.44  | ng    | 0.00           |
| 11) 2-Methylnaphthalene-d10 | 12.31 | 152  | 12080    | 0.35  | ng    | 0.00           |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330  | 1428     | 0.33  | ng    | 0.00           |
| 15) 2-Fluorobiphenyl        | 13.18 | 172  | 41193    | 0.76  | ng    | 0.00           |
| 25) Fluoranthene-d10        | 19.29 | 212  | 158021   | 0.41  | ng    | 0.00           |
| 29) Terphenyl-d14           | 19.87 | 244  | 33518    | 0.49  | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 9) Naphthalene              | 10.77 | 128  | 4989     | 0.022 | ng    | Qvalue<br># 76 |

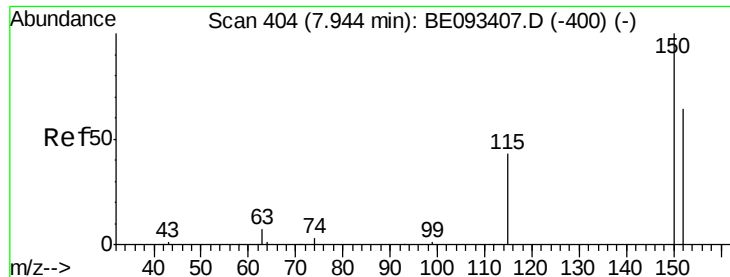
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 03 06:40:23 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.95 min Scan# 404

Delta R.T. 0.00 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

BNA\_E

ClientSampleId :

MW-BR-P-2-20170629

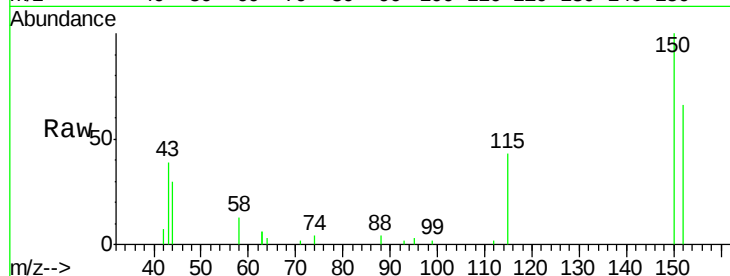
Tgt Ion:152 Resp: 4246

Ion Ratio Lower Upper

152 100

150 150.9 125.1 187.7

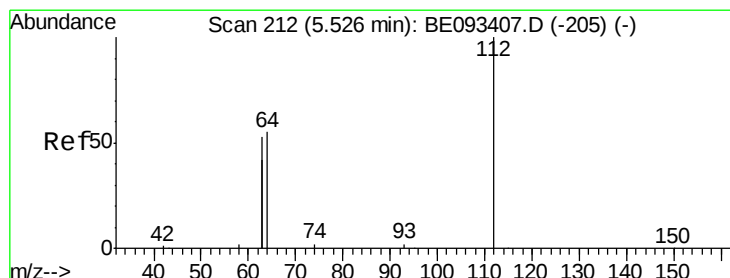
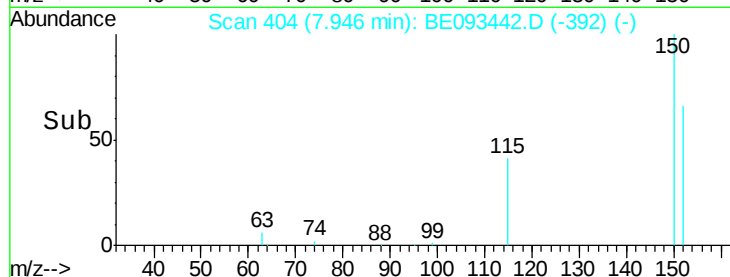
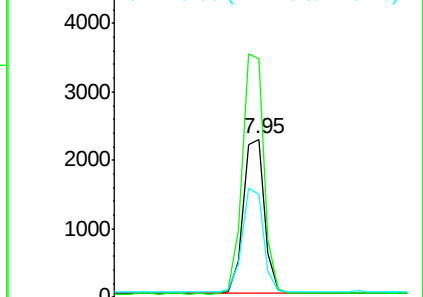
115 64.9 55.7 83.5



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: 0.157 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

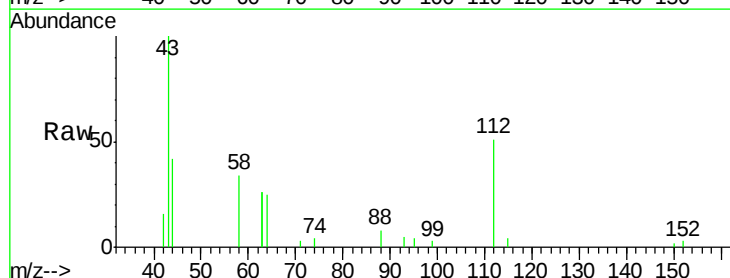
Tgt Ion:112 Resp: 2017

Ion Ratio Lower Upper

112 100

64 70.0 56.4 84.6

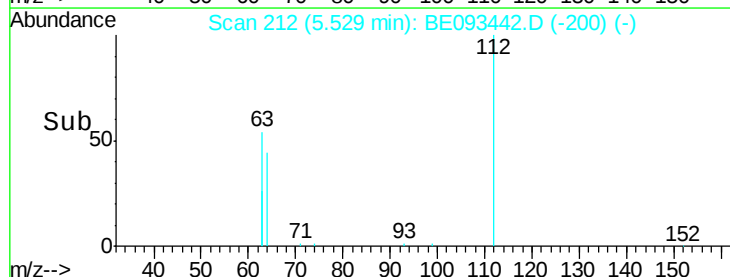
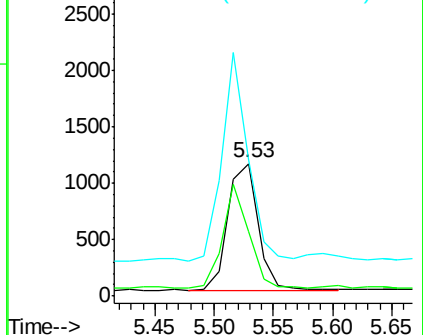
63 139.0 29.3 43.9#

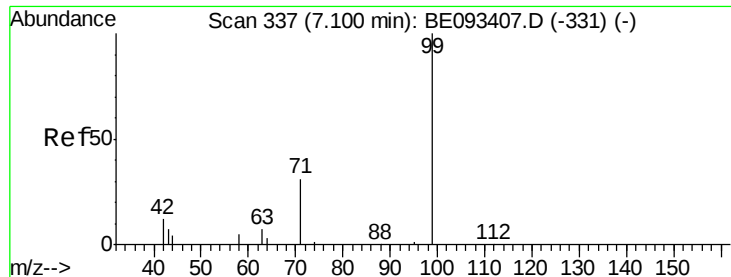


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.102 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

BNA\_E

ClientSampleId :

MW-BR-P-2-20170629

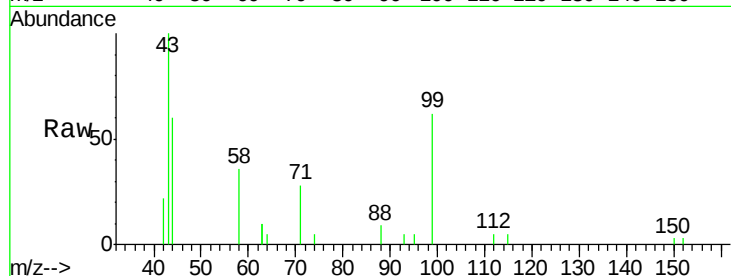
Tgt Ion: 99 Resp: 1922

Ion Ratio Lower Upper

99 100

42 22.5 0.0 0.0#

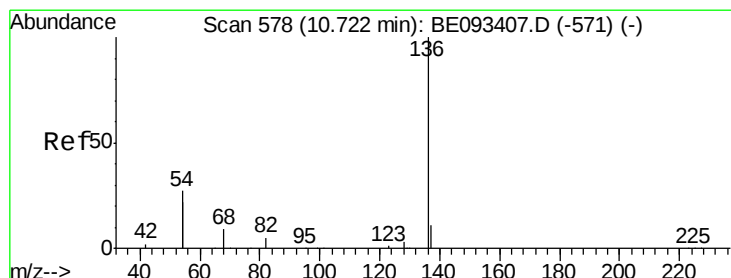
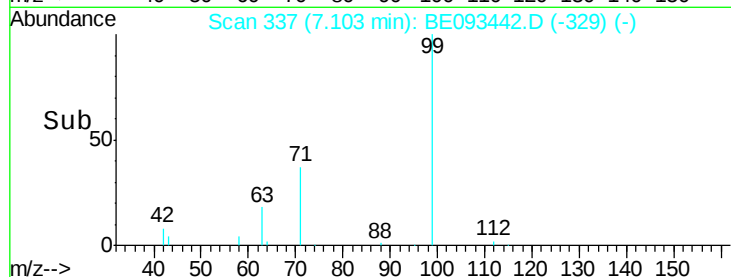
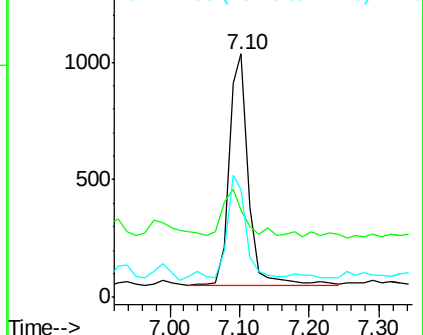
71 42.1 0.0 0.0#



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: 10.72 min Scan# 578

Delta R.T. 0.00 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Tgt Ion: 136 Resp: 21504

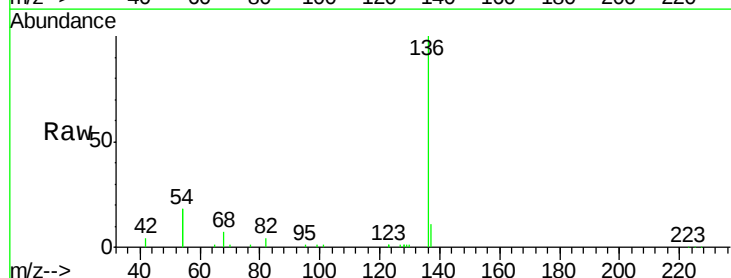
Ion Ratio Lower Upper

136 100

137 11.1 9.8 14.8

54 36.7 10.3 15.5#

68 7.3 9.0 13.4#

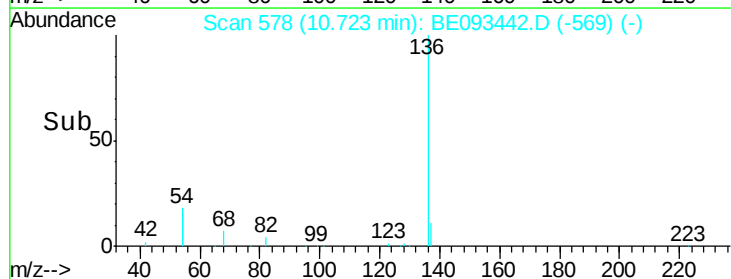
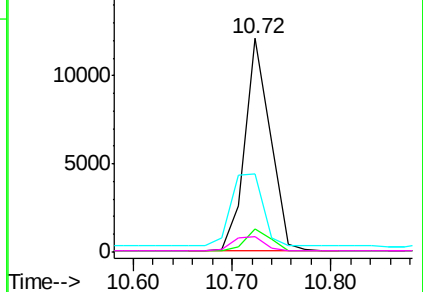


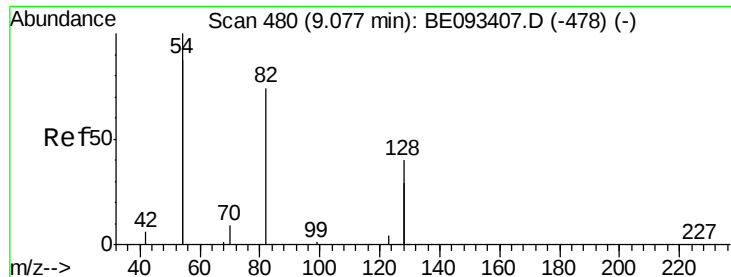
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.435 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

BNA\_E

ClientSampleId :

MW-BR-P-2-20170629

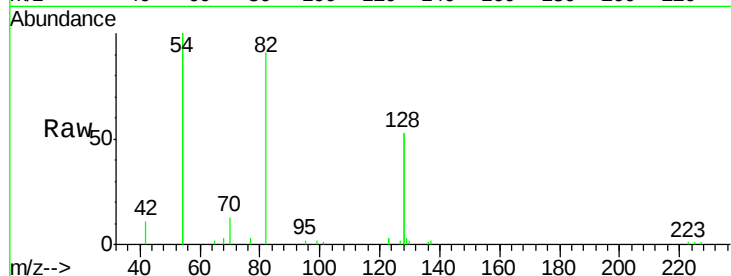
Tgt Ion: 82 Resp: 5981

Ion Ratio Lower Upper

82 100

128 116.0 17.0 25.4#

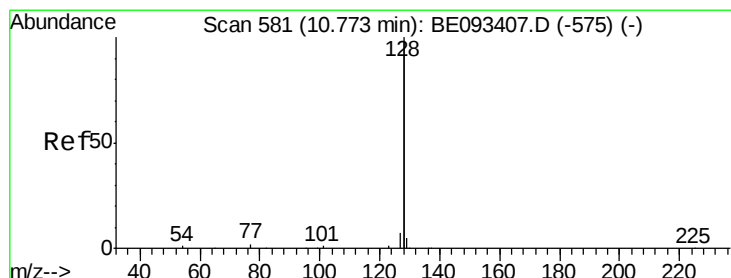
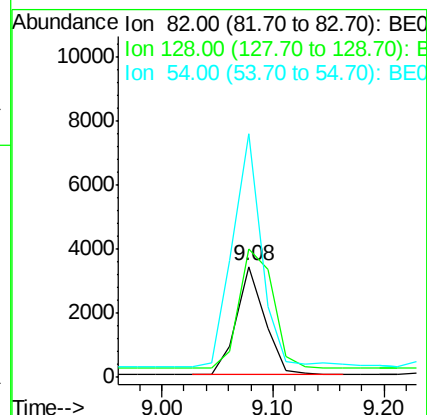
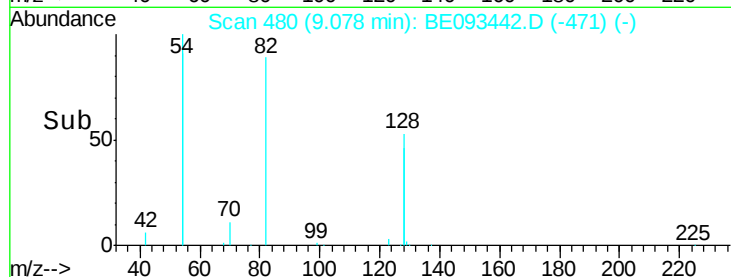
54 219.5 53.8 80.6#



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



#9

Naphthalene

Concen: 0.022 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.00 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

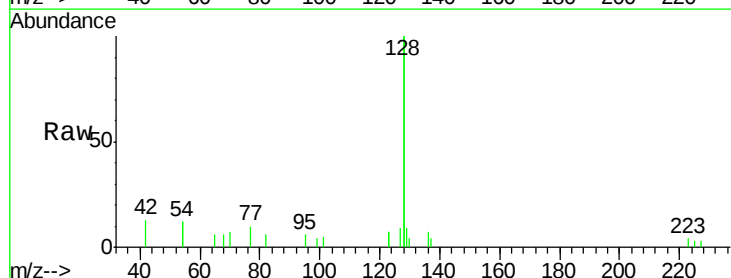
Tgt Ion: 128 Resp: 4989

Ion Ratio Lower Upper

128 100

129 4.4 11.4 17.0#

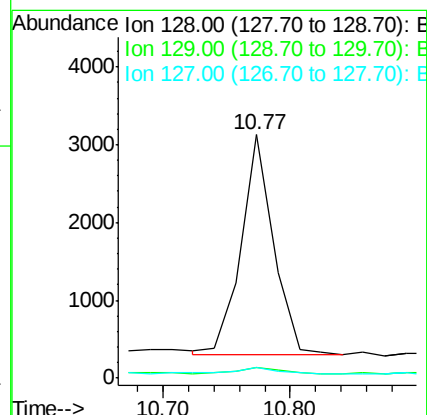
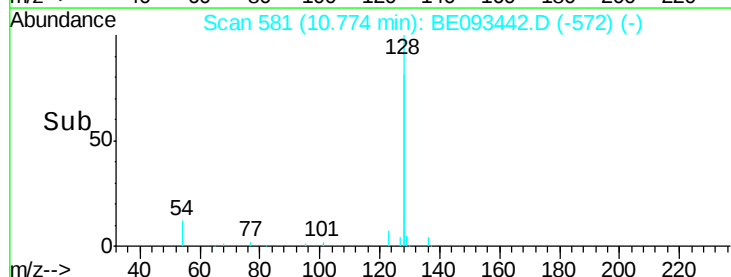
127 4.5 11.2 16.8#

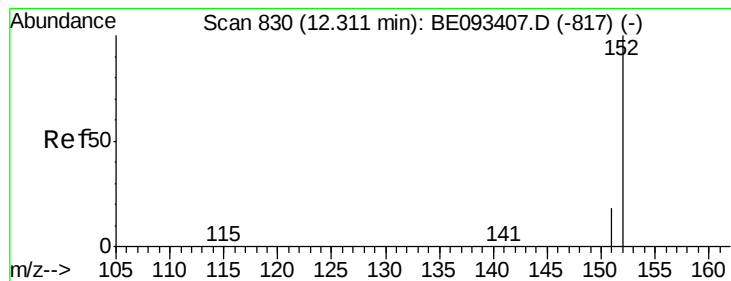


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.352 ng

RT: 12.31 min Scan# 829

Delta R.T. -0.00 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

BNA\_E

ClientSampleId :

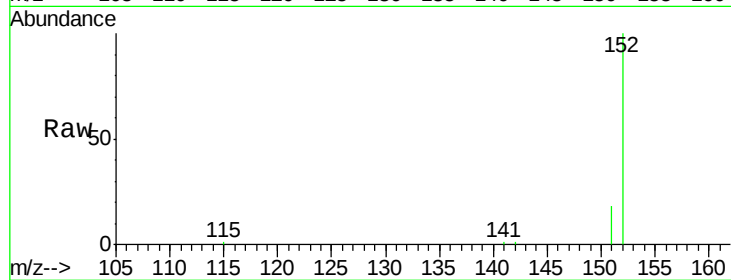
MW-BR-P-2-20170629

Tgt Ion:152 Resp: 12080

Ion Ratio Lower Upper

152 100

151 18.9 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.31

8000

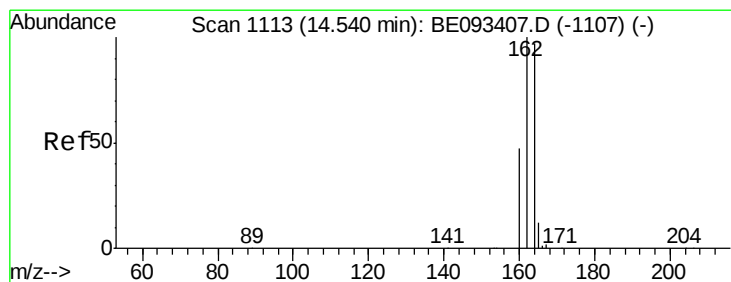
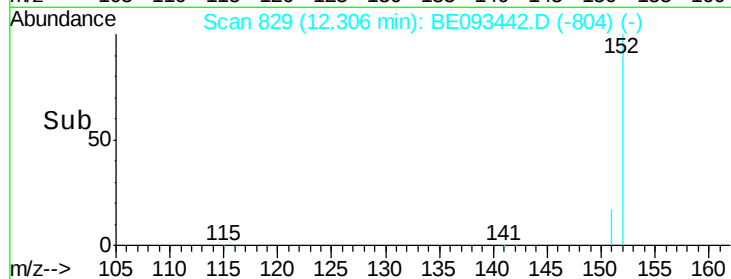
6000

4000

2000

0

Time--> 12.20 12.30 12.40



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 1113

Delta R.T. -0.00 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

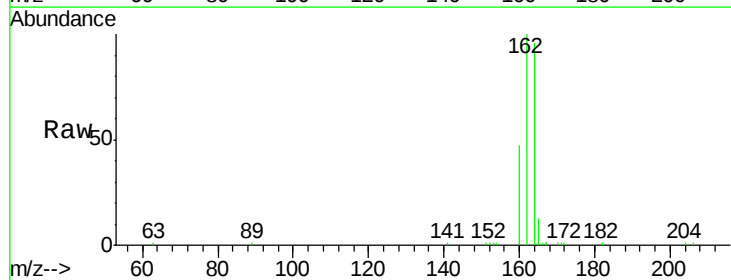
Tgt Ion:164 Resp: 13952

Ion Ratio Lower Upper

164 100

162 103.9 84.6 127.0

160 48.8 41.8 62.6



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

14.54

12000

10000

8000

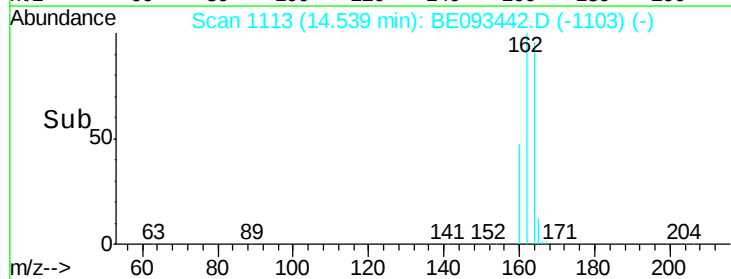
6000

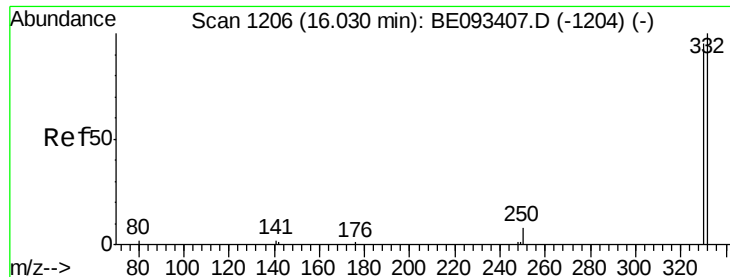
4000

2000

0

Time--> 14.50 14.60





#14

2,4,6-Tribromophenol

Concen: 0.326 ng

RT: 16.03 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

BNA\_E

ClientSampleId :

MW-BR-P-2-20170629

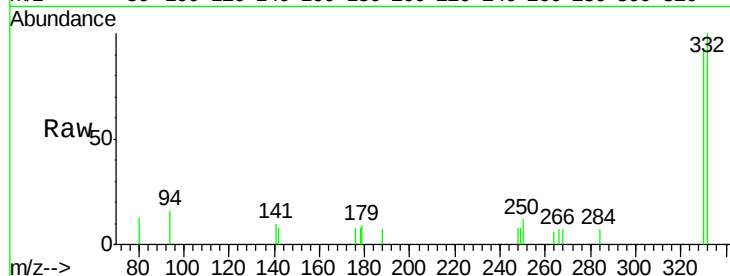
Tgt Ion:330 Resp: 1428

Ion Ratio Lower Upper

330 100

332 106.3 77.7 116.5

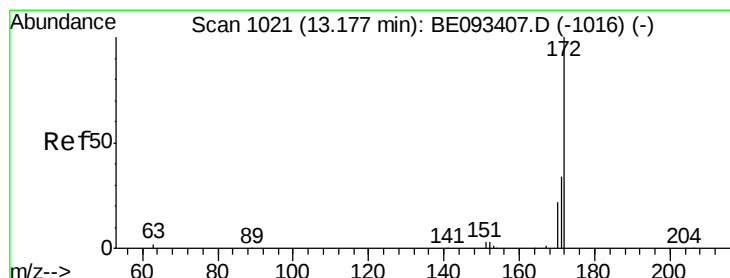
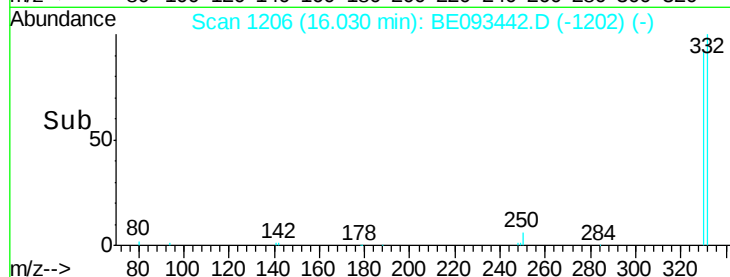
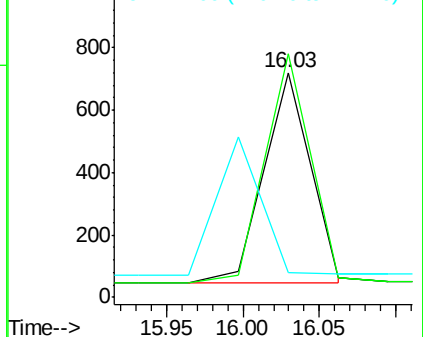
141 0.0 56.2 84.4#



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: 0.761 ng

RT: 13.18 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

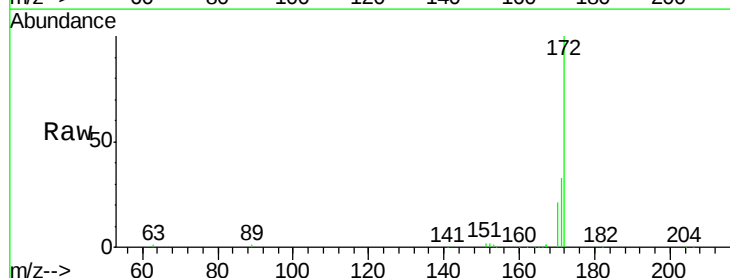
Tgt Ion:172 Resp: 41193

Ion Ratio Lower Upper

172 100

171 33.3 29.8 44.6

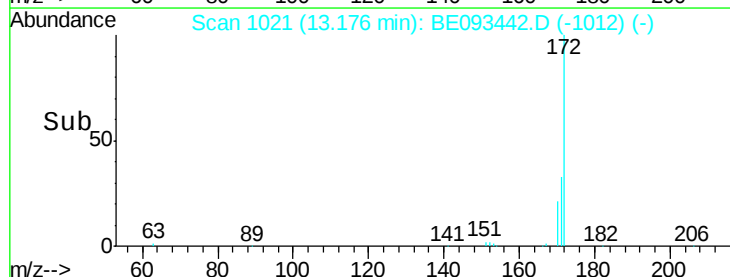
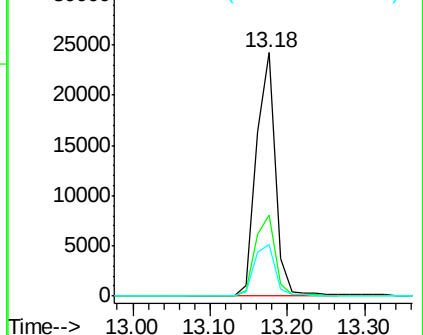
170 21.0 20.7 31.1

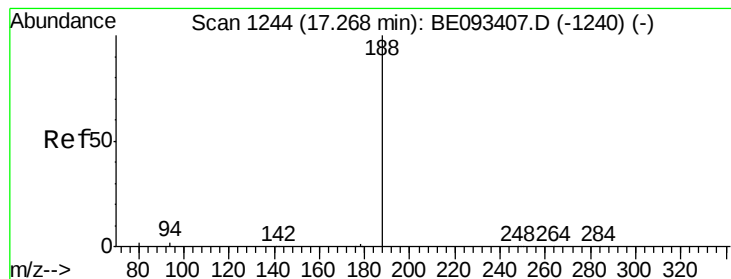


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

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ClientSampleId :

MW-BR-P-2-20170629

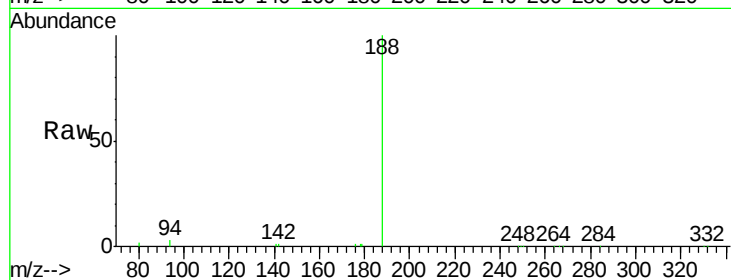
Tgt Ion:188 Resp: 31973

Ion Ratio Lower Upper

188 100

94 2.6 11.3 16.9#

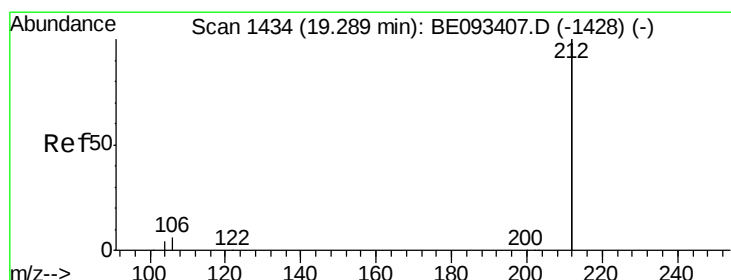
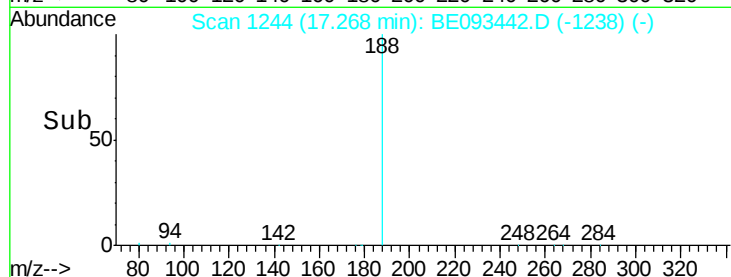
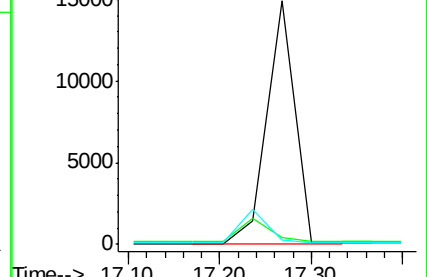
80 1.9 11.7 17.5#



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



#25

Fluoranthene-d10

Concen: 0.410 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

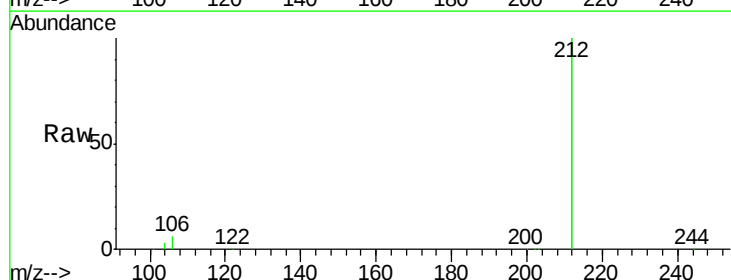
Tgt Ion:212 Resp: 158021

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

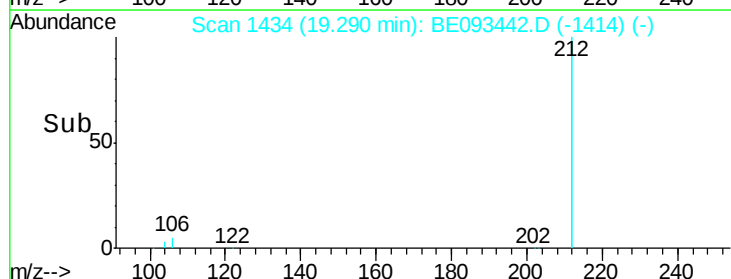
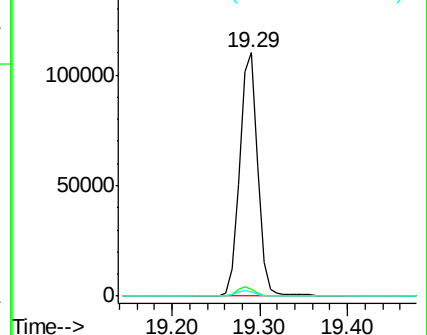
104 1.9 1.6 2.4

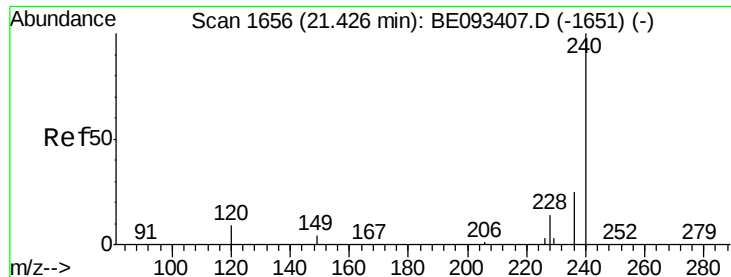


Abundance Ion 212.00 (211.70 to 212.70): E

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: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

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ClientSampleId :

MW-BR-P-2-20170629

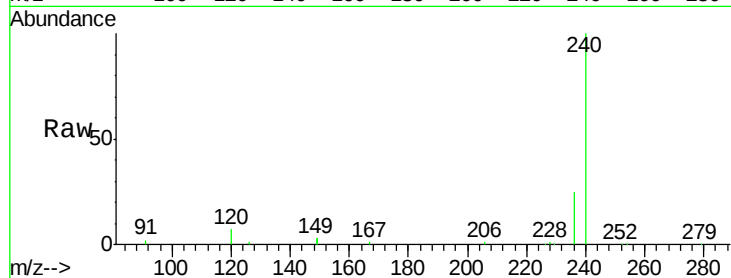
Tgt Ion:240 Resp: 38606

Ion Ratio Lower Upper

240 100

120 7.1 4.6 7.0#

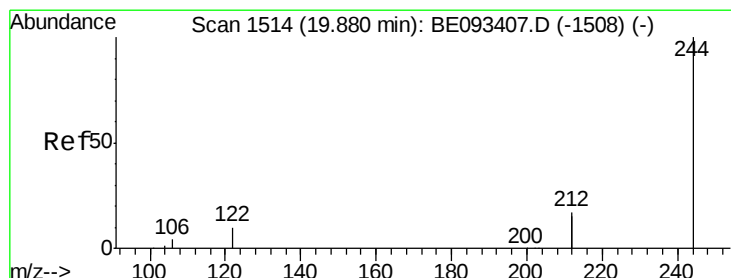
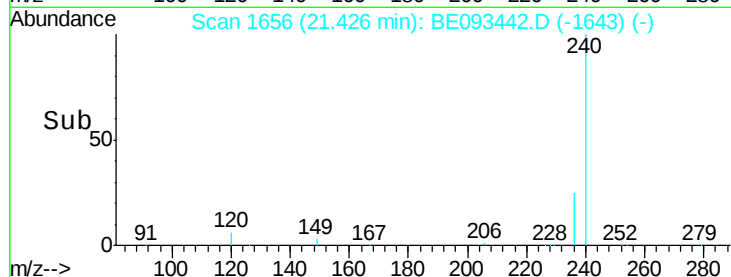
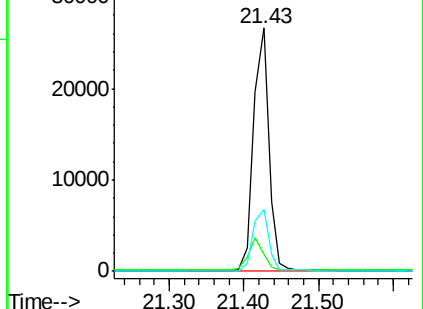
236 25.4 20.8 31.2



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: 0.486 ng

RT: 19.87 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

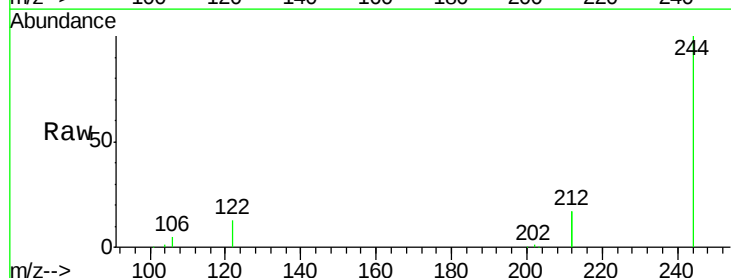
Tgt Ion:244 Resp: 33518

Ion Ratio Lower Upper

244 100

212 34.3 10.6 16.0#

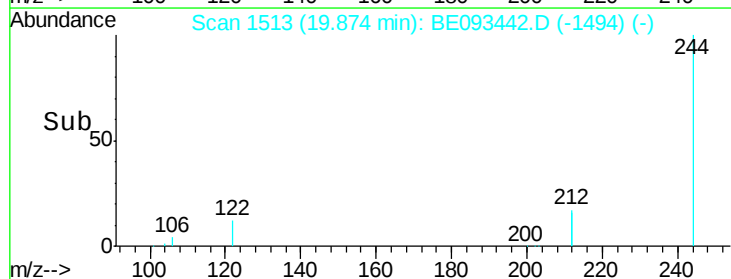
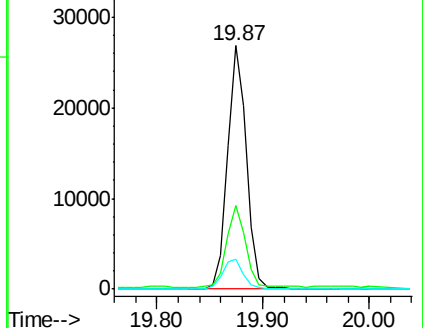
122 12.5 15.4 23.0#

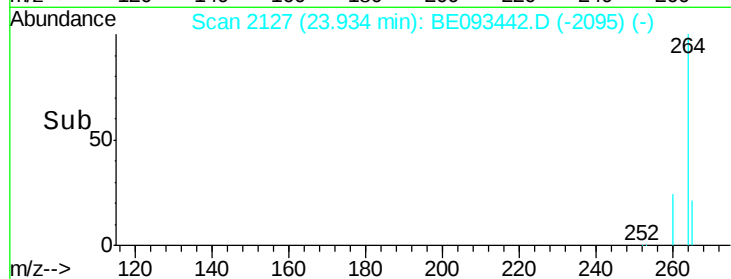
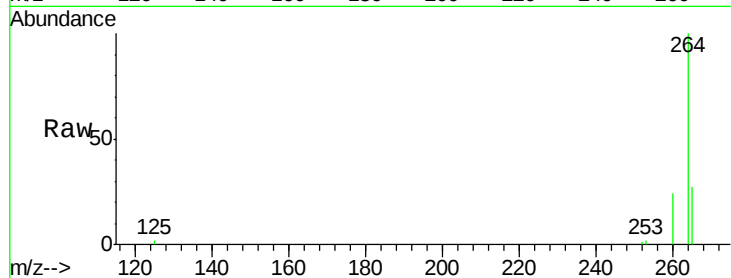
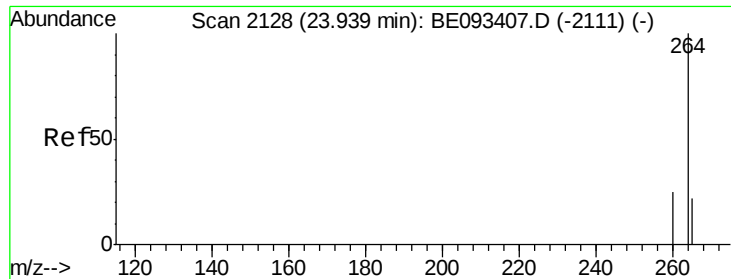


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

BNA\_E

ClientSampleId :

MW-BR-P-2-20170629

Tgt Ion: 264 Resp: 33039

Ion Ratio Lower Upper

264 100

260 24.3 21.0 31.4

265 27.5 24.6 36.8

