

Data File : BE093390.D  
Acq On : 1 Jul 2017 13:37  
Operator : SJ/JU  
Sample : I3687-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
KY038PS027-170613

Quant Time: Jul 03 05:10:12 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE070117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 01 15:43:24 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.95  | 152  | 2700     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.74 | 136  | 12324    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.54 | 164  | 7189     | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 17.27 | 188  | 25157    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.43 | 240  | 33721    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.94 | 264  | 29957    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| System Monitoring Compounds |       |     |        |      |    |       |
| 4) 2-Fluorophenol           | 5.53  | 112 | 1511   | 0.18 | ng | 0.00  |
| 5) Phenol-d6                | 7.10  | 99  | 1309   | 0.10 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 9.08  | 82  | 3086   | 0.42 | ng | -0.02 |
| 11) 2-Methylnaphthalene-d10 | 12.31 | 152 | 6904   | 0.35 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 0.00  | 330 | 0      | 0.00 | ng |       |
| 15) 2-Fluorobiphenyl        | 13.18 | 172 | 15779  | 0.56 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.29 | 212 | 117466 | 0.51 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.88 | 244 | 36582  | 0.59 | ng | 0.00  |

|                                |       |     |       |      |    |        |
|--------------------------------|-------|-----|-------|------|----|--------|
| Target Compounds               |       |     |       |      |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.45  | 88  | 434   | 0.08 | ng | # 47   |
| 3) n-Nitrosodimethylamine      | 3.77  | 42  | 48    | 0.14 | ng | # 1    |
| 9) Naphthalene                 | 10.77 | 128 | 3805  | 0.03 | ng | # 80   |
| 22) Pentachlorophenol          | 16.91 | 266 | 45    | 0.06 | ng | # 83   |
| 23) Phenanthrene               | 17.30 | 178 | 3076  | 0.05 | ng | # 97   |
| 26) Fluoranthene               | 19.32 | 202 | 1888  | 0.03 | ng | # 87   |
| 32) Bis(2-ethylhexyl)phthalate | 21.34 | 149 | 26969 | 0.20 | ng | # 67   |

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

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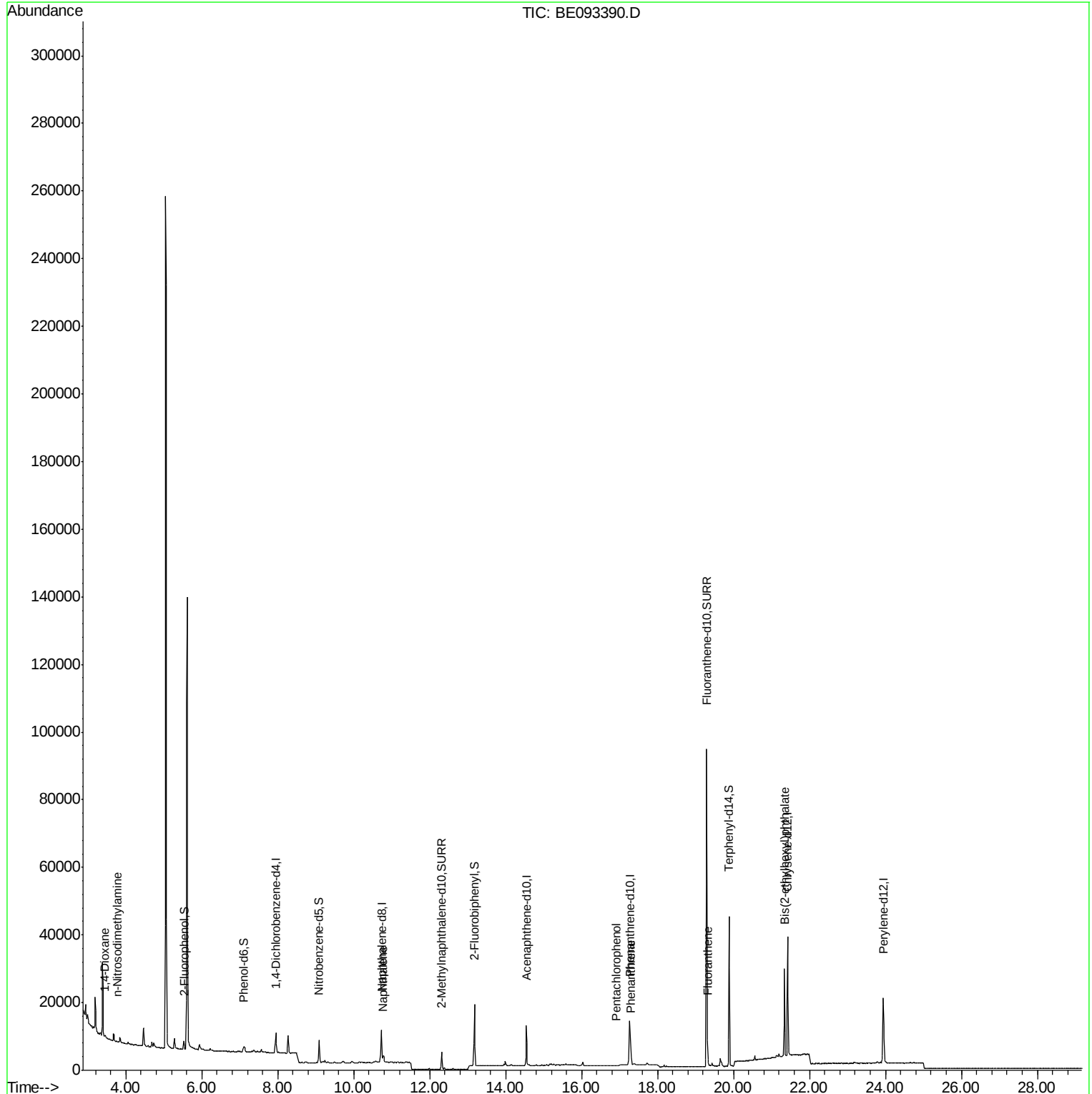
Quant Time: Jul 03 05:10:12 2017

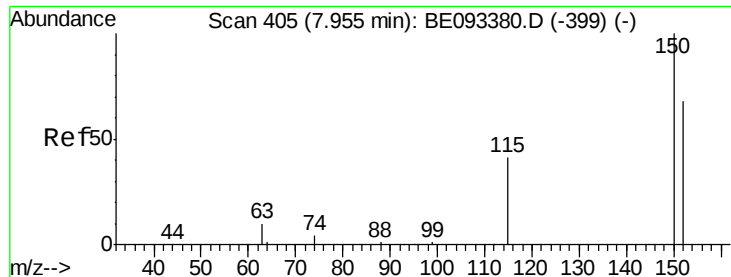
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE070117.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Jul 01 15:43:24 2017

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.95 min Scan# 404

Delta R.T. -0.01 min

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Instrument :

BNA\_E

ClientSampleId :

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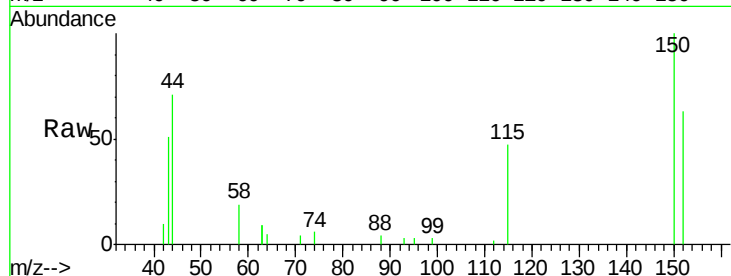
Tgt Ion:152 Resp: 2700

Ion Ratio Lower Upper

152 100

150 158.6 125.1 187.7

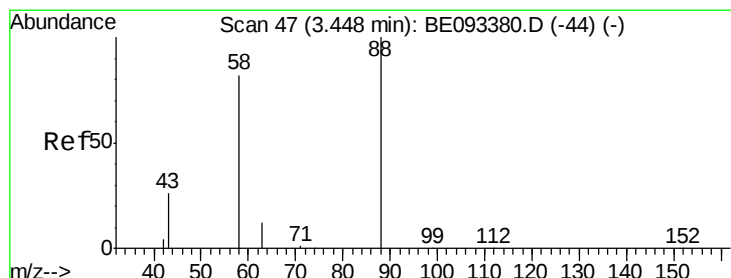
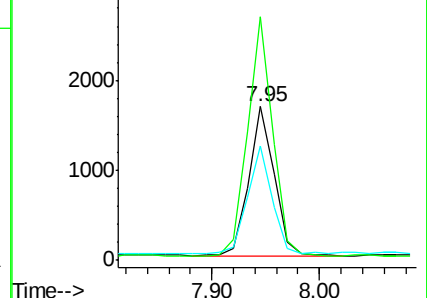
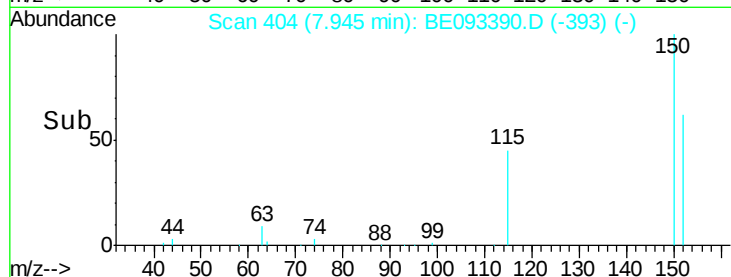
115 74.4 55.7 83.5



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



#2

1,4-Dioxane

Concen: 0.08 ng

RT: 3.45 min Scan# 47

Delta R.T. 0.00 min

Lab File: BE093390.D

Acq: 1 Jul 2017 13:37

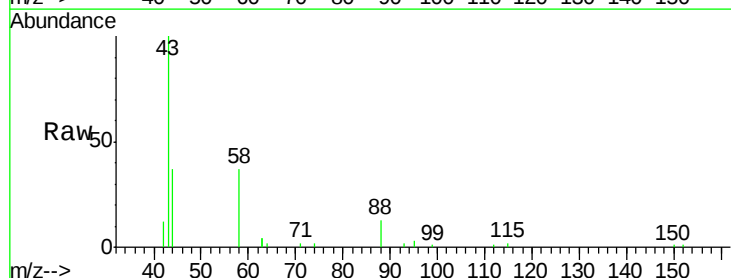
Tgt Ion: 88 Resp: 434

Ion Ratio Lower Upper

88 100

58 124.0 62.2 93.4#

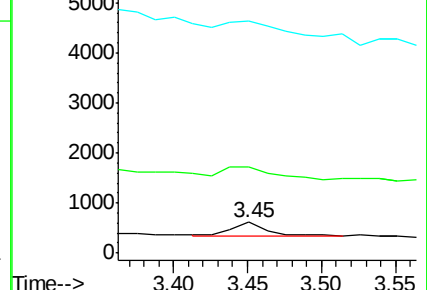
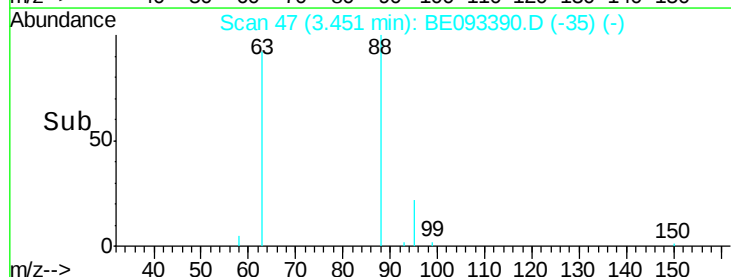
43 0.0 23.2 34.8#

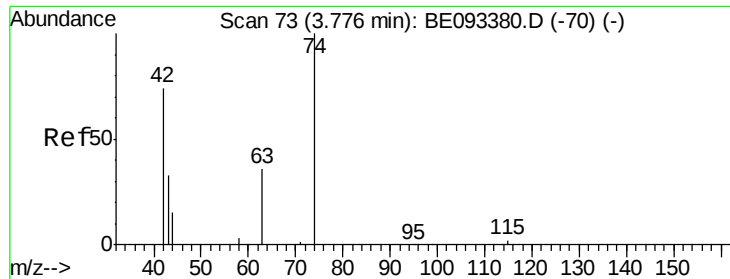


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.14 ng

RT: 3.77 min Scan# 72

Delta R.T. -0.01 min

Lab File: BE093390.D

Acq: 1 Jul 2017 13:37

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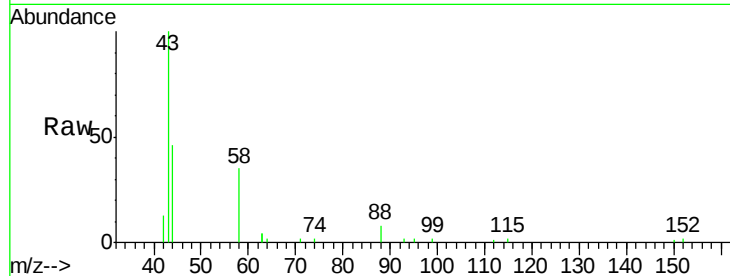
Tgt Ion: 42 Resp: 48

Ion Ratio Lower Upper

42 100

74 81.3 99.1 148.7#

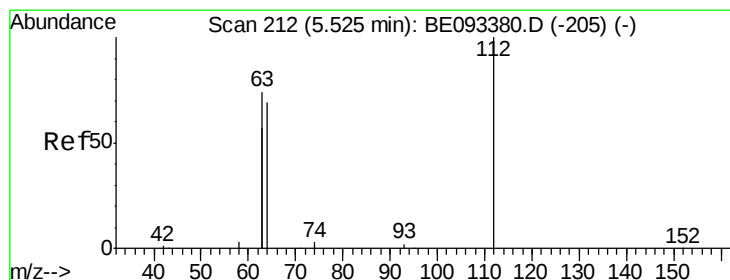
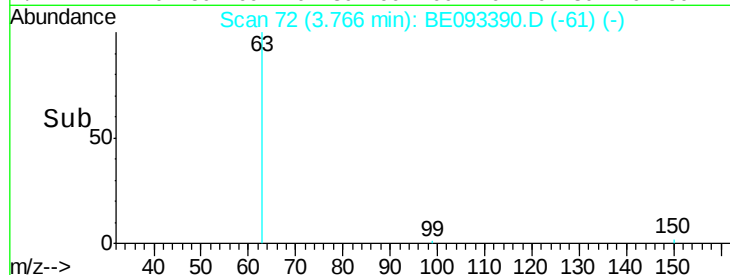
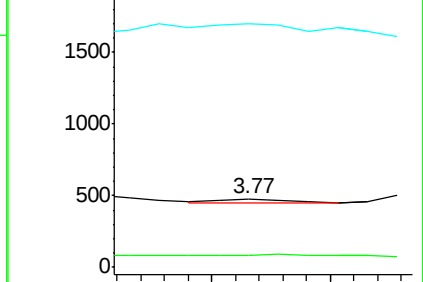
44 950.0 7.4 11.2#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.18 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE093390.D

Acq: 1 Jul 2017 13:37

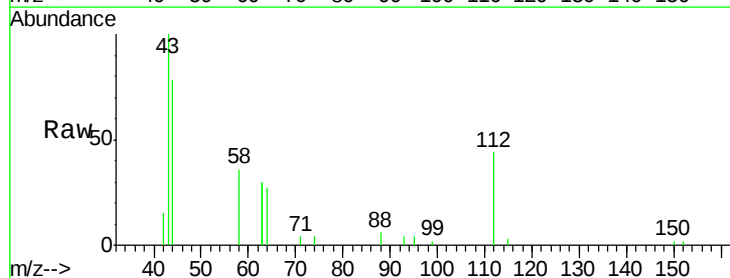
Tgt Ion: 112 Resp: 1511

Ion Ratio Lower Upper

112 100

64 69.9 56.4 84.6

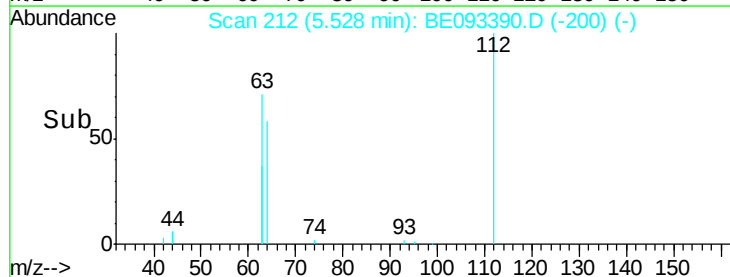
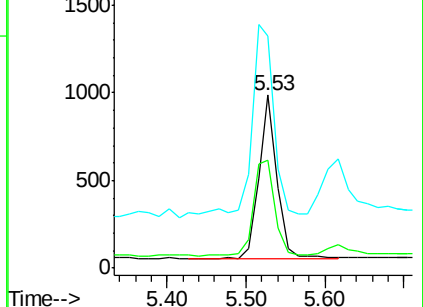
63 146.7 29.3 43.9#

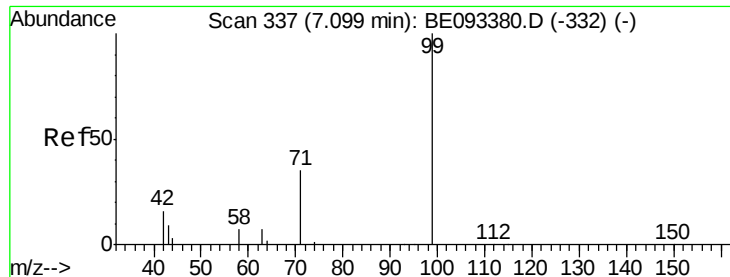


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.10 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093390.D

Acq: 1 Jul 2017 13:37

Instrument :

BNA\_E

ClientSampleId :

KY038PS027-170613

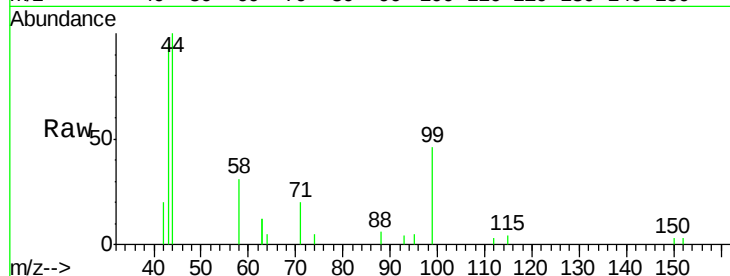
Tgt Ion: 99 Resp: 1309

Ion Ratio Lower Upper

99 100

42 26.8 0.0 0.0#

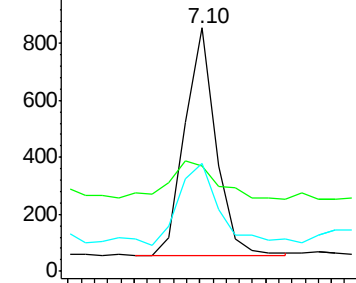
71 43.5 0.0 0.0#



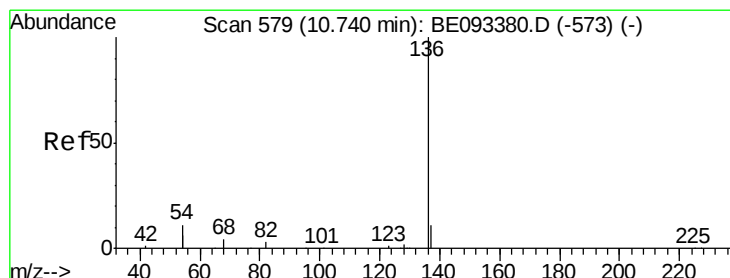
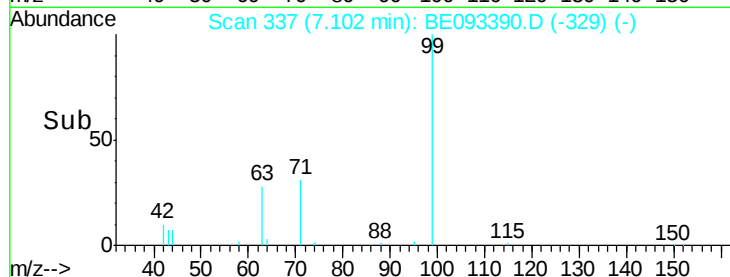
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time--> 7.00 7.05 7.10 7.15 7.20



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE093390.D

Acq: 1 Jul 2017 13:37

Tgt Ion: 136 Resp: 12324

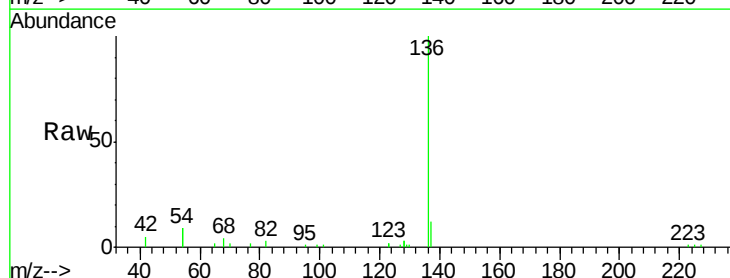
Ion Ratio Lower Upper

136 100

137 11.5 9.8 14.8

54 18.2 10.3 15.5#

68 3.9 9.0 13.4#

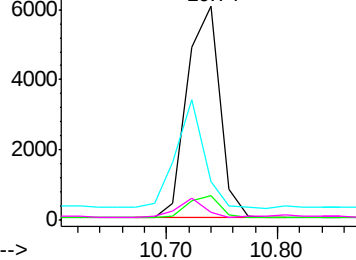


Abundance Ion 136.00 (135.70 to 136.70): E

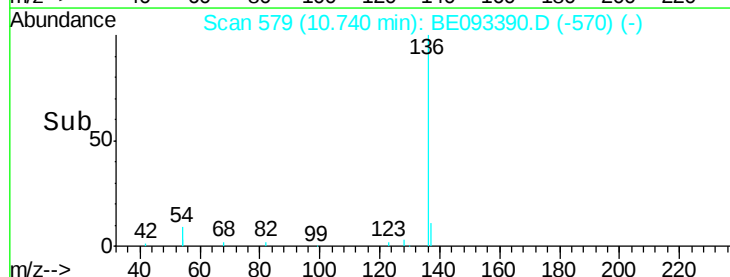
Ion 137.00 (136.70 to 137.70): E

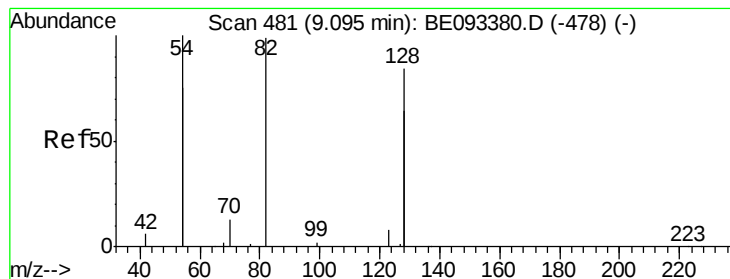
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 10.70 10.80





#8

Nitrobenzene-d5

Concen: 0.42 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.02 min

Lab File: BE093390.D

Acq: 1 Jul 2017 13:37

Instrument :

BNA\_E

ClientSampleId :

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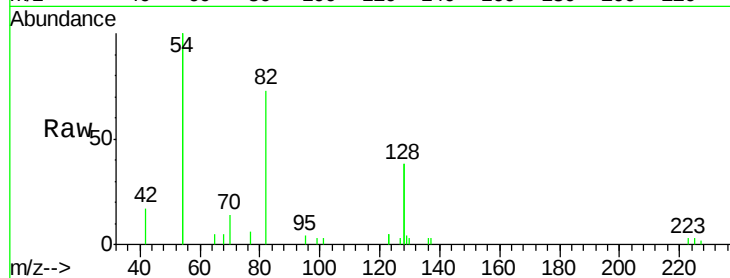
Tgt Ion: 82 Resp: 3086

Ion Ratio Lower Upper

82 100

128 103.8 17.0 25.4#

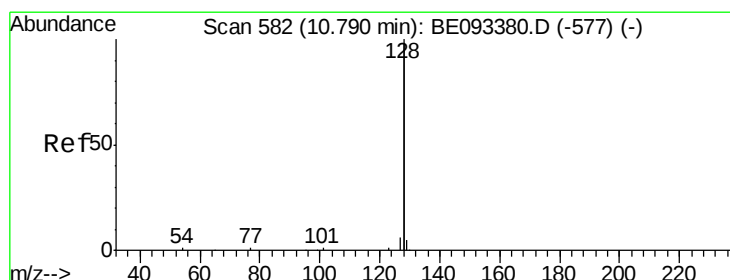
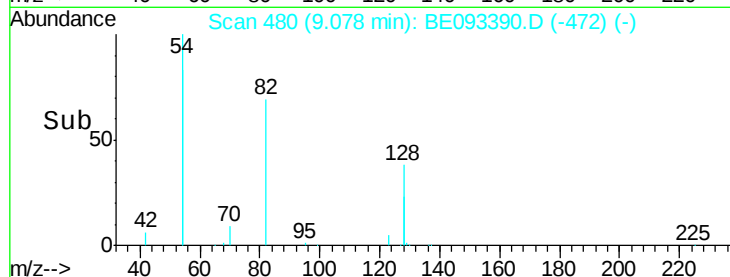
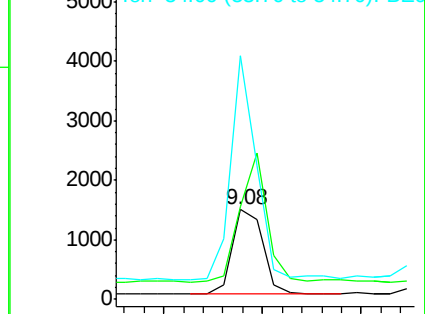
54 272.3 53.8 80.6#



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: 0.03 ng

RT: 10.77 min Scan# 581

Delta R.T. -0.02 min

Lab File: BE093390.D

Acq: 1 Jul 2017 13:37

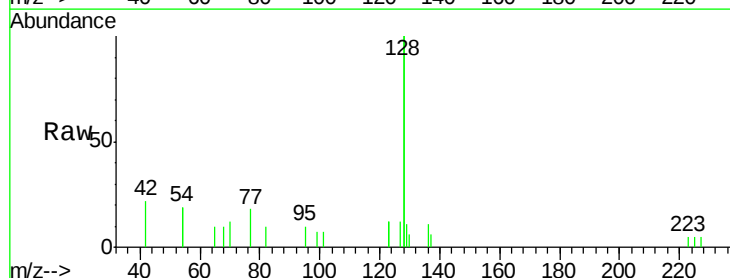
Tgt Ion: 128 Resp: 3805

Ion Ratio Lower Upper

128 100

129 5.6 11.4 17.0#

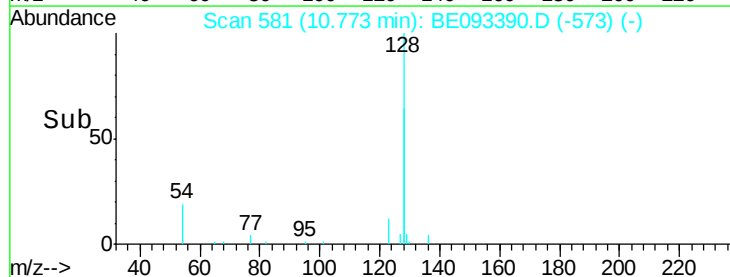
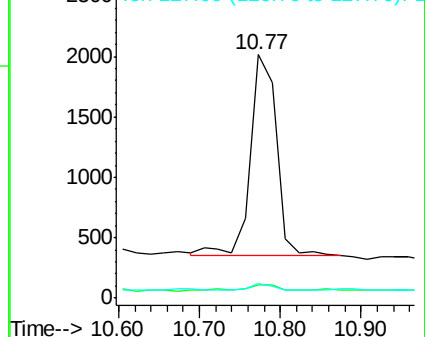
127 6.0 11.2 16.8#

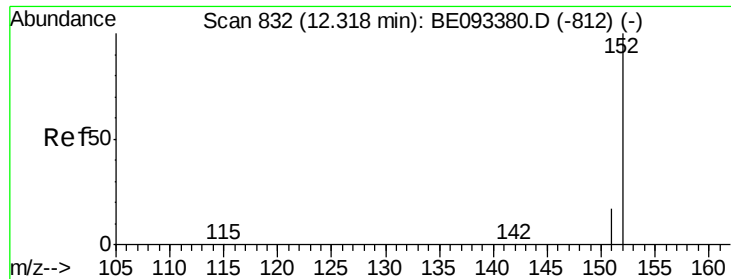


Abundance Ion 128.00 (127.70 to 128.70): BE0

Ion 129.00 (128.70 to 129.70): BE0

Ion 127.00 (126.70 to 127.70): BE0

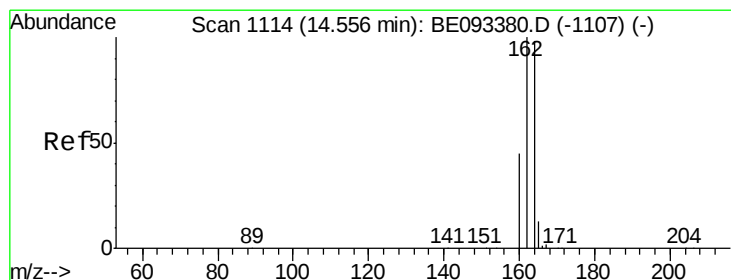
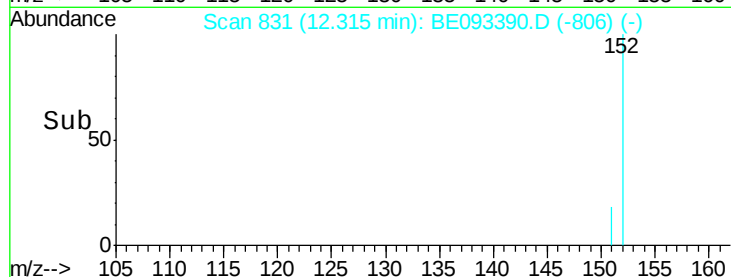
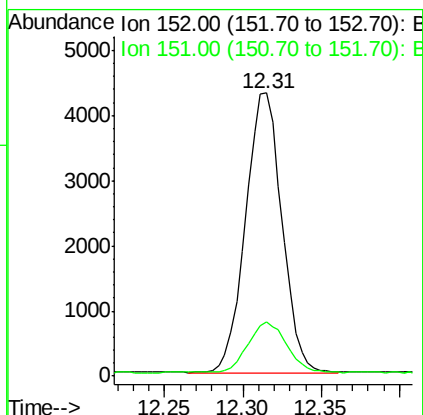
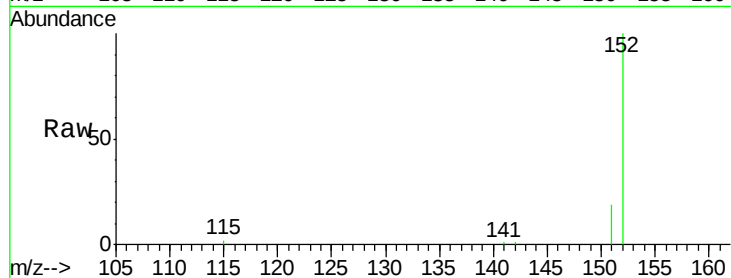




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.35 ng  
 RT: 12.31 min Scan# 831  
 Delta R.T. -0.00 min  
 Lab File: BE093390.D  
 Acq: 1 Jul 2017 13:37

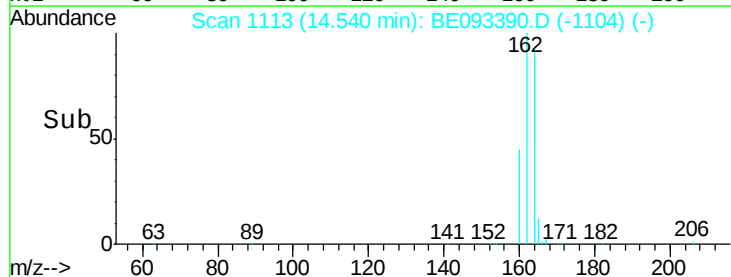
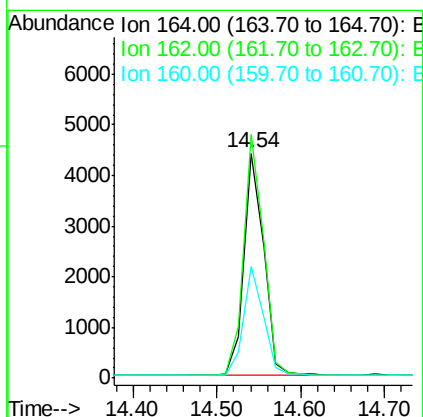
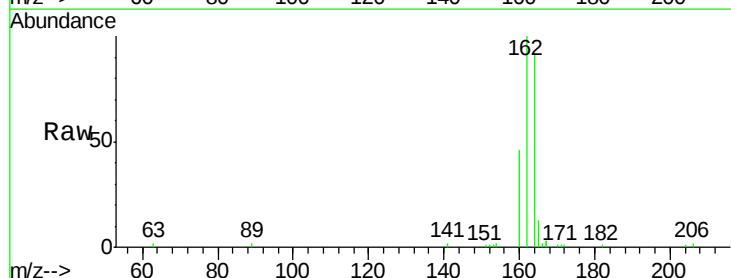
Instrument :  
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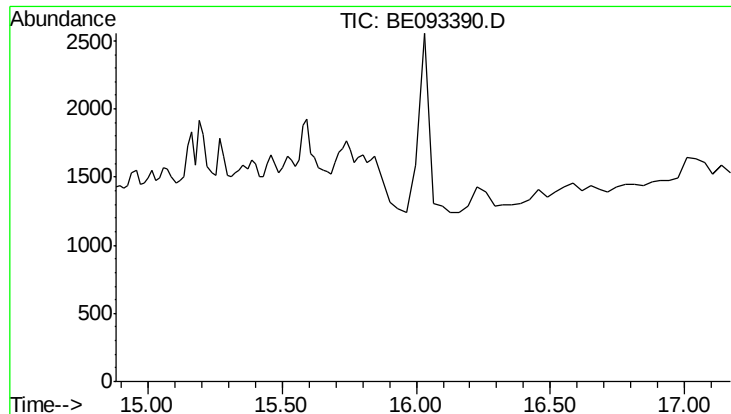
Tgt Ion:152 Resp: 6904  
 Ion Ratio Lower Upper  
 152 100  
 151 19.2 15.1 22.7



#13  
 Acenaphthene-d10  
 Concen: 0.40 ng  
 RT: 14.54 min Scan# 1113  
 Delta R.T. -0.02 min  
 Lab File: BE093390.D  
 Acq: 1 Jul 2017 13:37

Tgt Ion:164 Resp: 7189  
 Ion Ratio Lower Upper  
 164 100  
 162 108.3 84.6 127.0  
 160 49.9 41.8 62.6

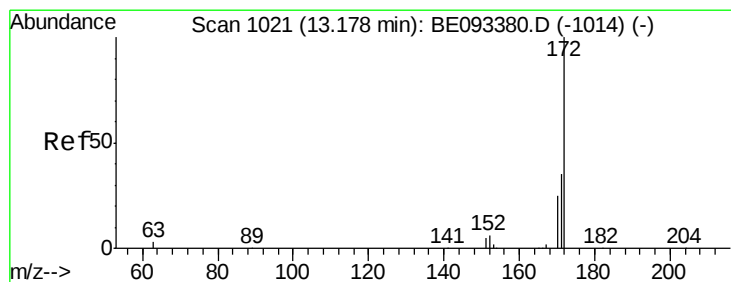
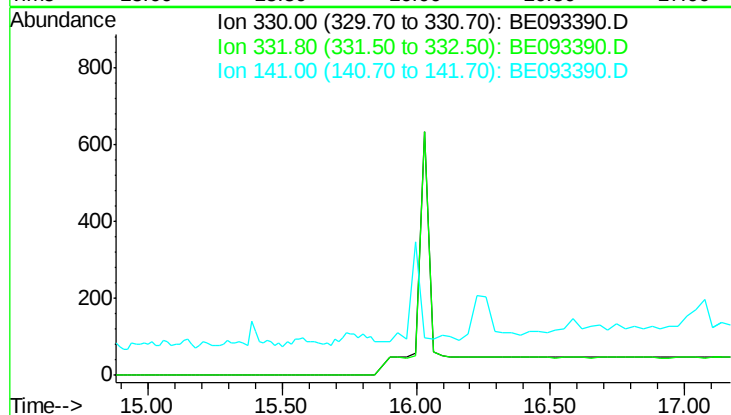




#14  
 2,4,6-Tribromophenol  
 Concen: 0.00 ng  
 Expected RT: 16.03 min  
 Lab File: BE093390.D  
 Acq: 1 Jul 2017 13:37

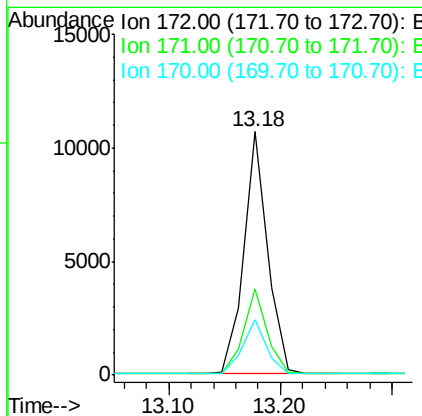
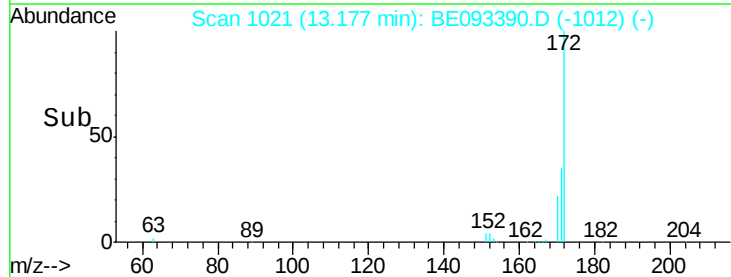
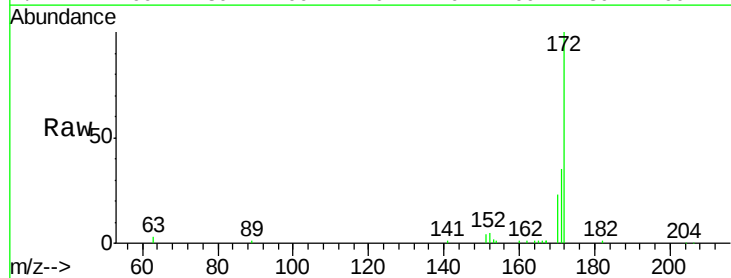
Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS027-170613

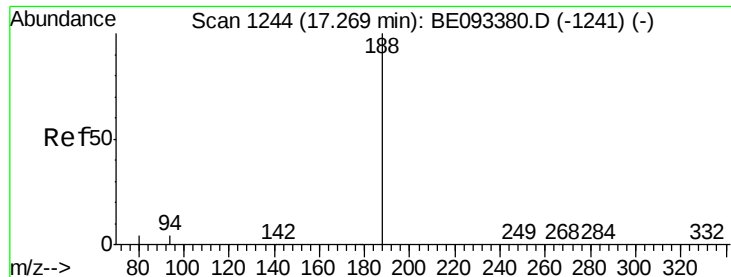
Tgt Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 97.1  
 141 70.3



#15  
 2-Fluorobiphenyl  
 Concen: 0.56 ng  
 RT: 13.18 min Scan# 1021  
 Delta R.T. -0.00 min  
 Lab File: BE093390.D  
 Acq: 1 Jul 2017 13:37

Tgt Ion: 172 Resp: 15779  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 29.8 44.6  
 170 22.9 20.7 31.1





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093390.D

Acq: 1 Jul 2017 13:37

Instrument :

BNA\_E

ClientSampleId :

KY038PS027-170613

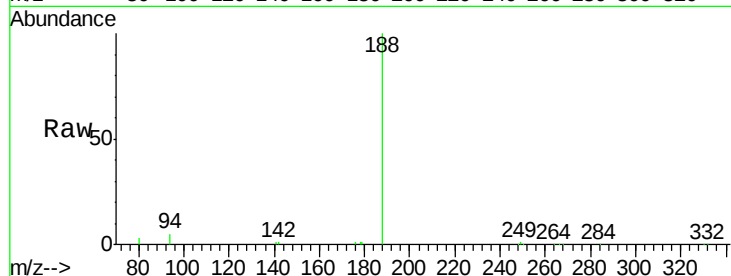
Tgt Ion:188 Resp: 25157

Ion Ratio Lower Upper

188 100

94 4.6 11.3 16.9#

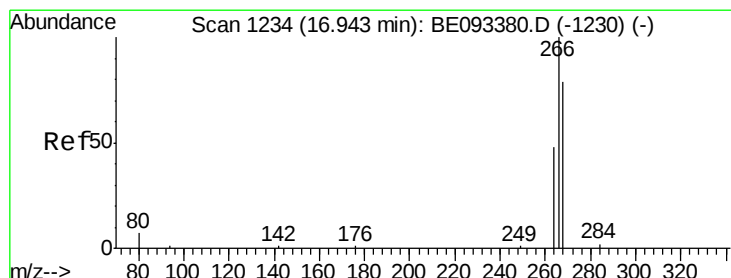
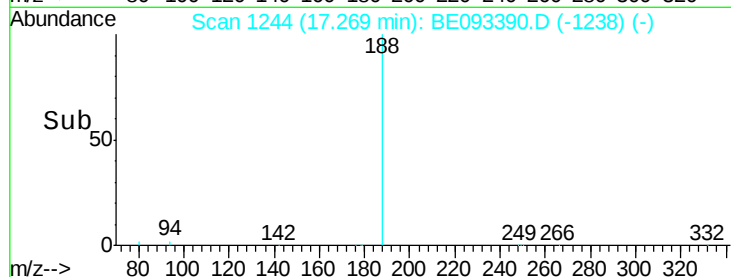
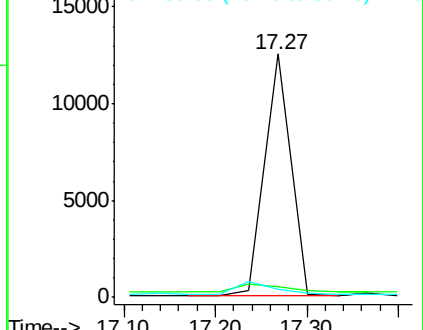
80 3.1 11.7 17.5#



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: 0.06 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.03 min

Lab File: BE093390.D

Acq: 1 Jul 2017 13:37

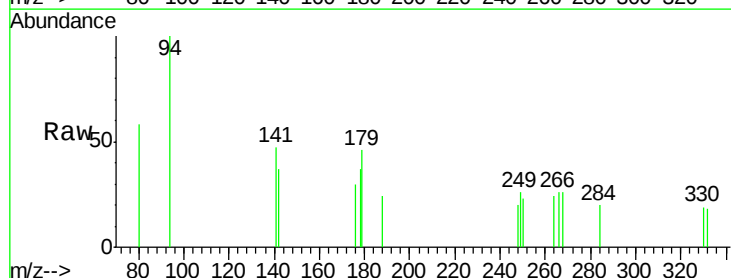
Tgt Ion:266 Resp: 45

Ion Ratio Lower Upper

266 100

264 93.9 58.2 87.2#

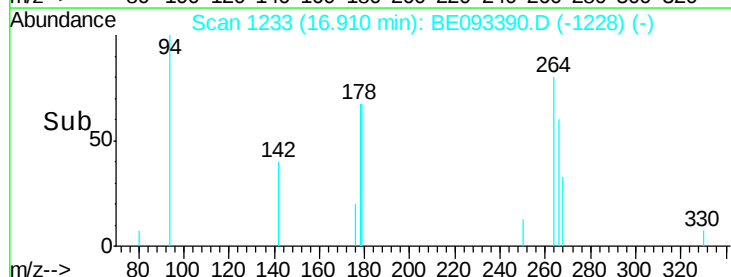
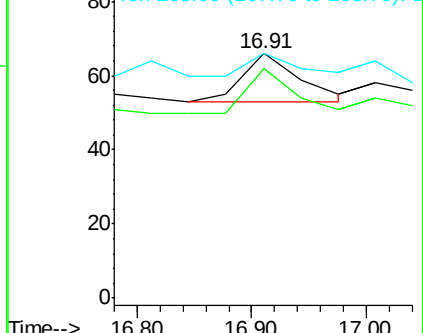
268 100.0 71.9 107.9

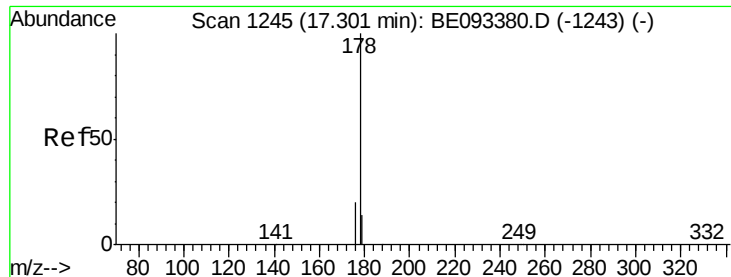


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.05 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE093390.D

Acq: 1 Jul 2017 13:37

Instrument :

BNA\_E

ClientSampleId :

KY038PS027-170613

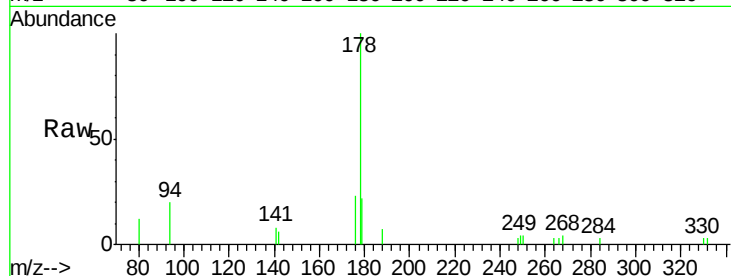
Tgt Ion:178 Resp: 3076

Ion Ratio Lower Upper

178 100

176 20.5 15.0 22.4

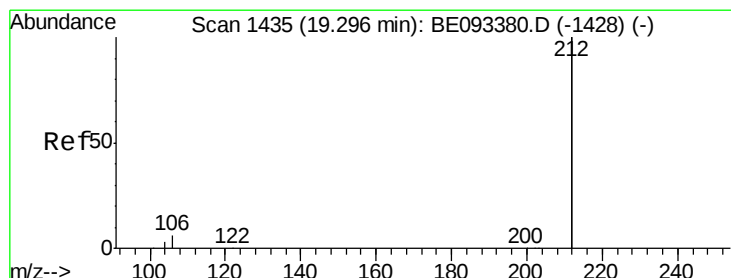
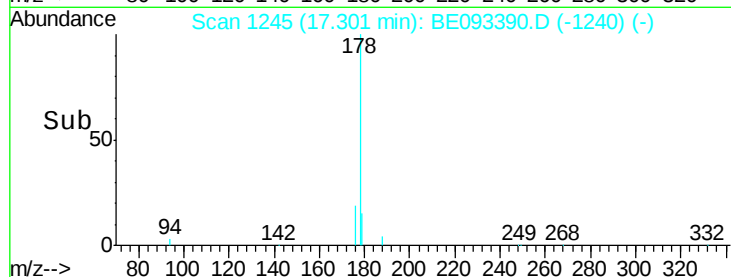
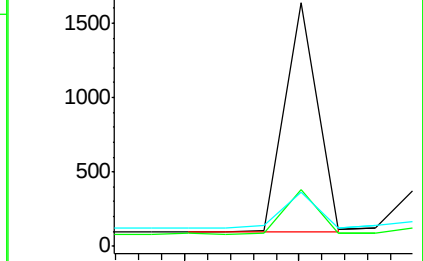
179 16.8 12.7 19.1



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: 0.51 ng

RT: 19.29 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BE093390.D

Acq: 1 Jul 2017 13:37

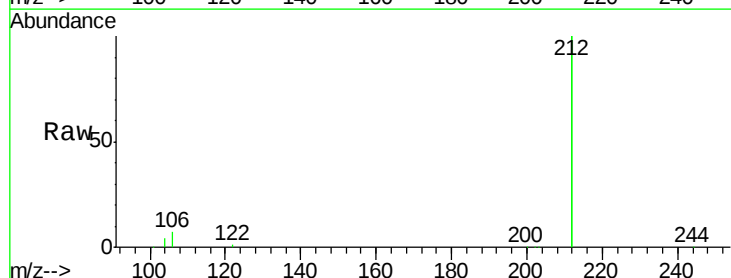
Tgt Ion:212 Resp: 117466

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

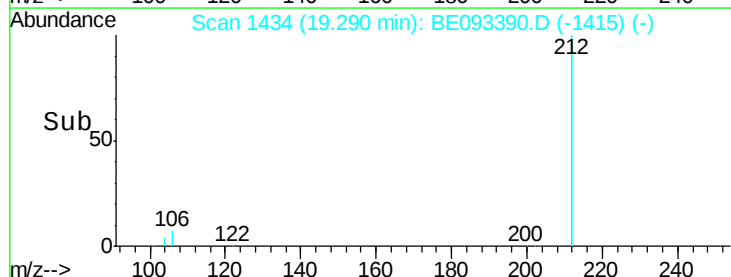
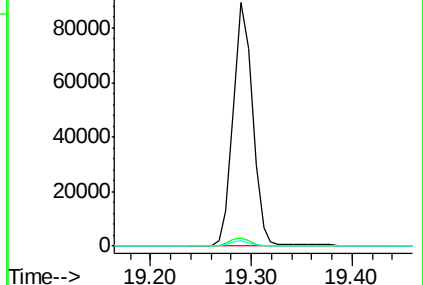
104 2.0 1.6 2.4

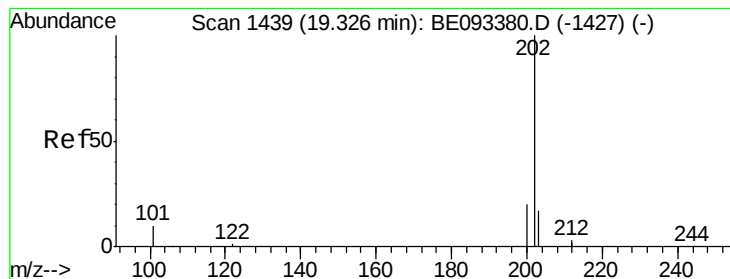


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.03 ng

RT: 19.32 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BE093390.D

Acq: 1 Jul 2017 13:37

Instrument :

BNA\_E

ClientSampleId :

KY038PS027-170613

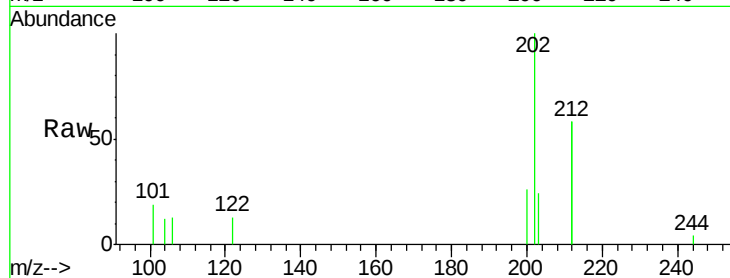
Tgt Ion:202 Resp: 1888

Ion Ratio Lower Upper

202 100

101 20.2 9.6 14.4#

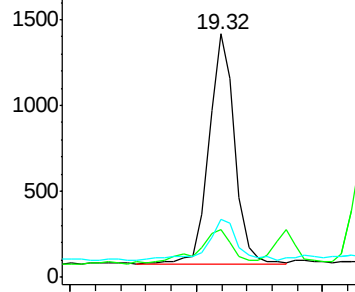
203 21.6 14.4 21.6#



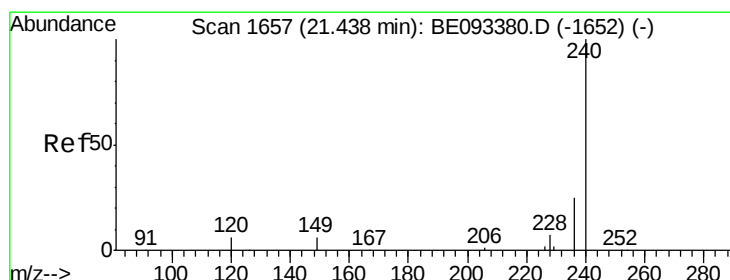
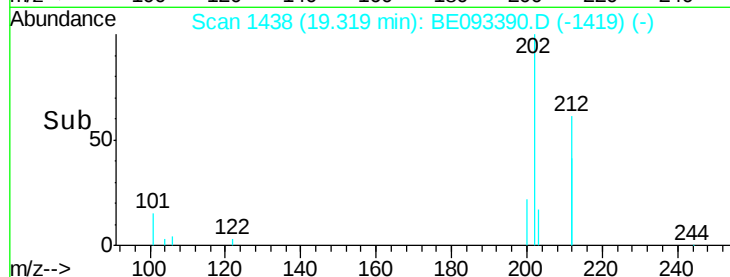
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.20 19.30 19.40



#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BE093390.D

Acq: 1 Jul 2017 13:37

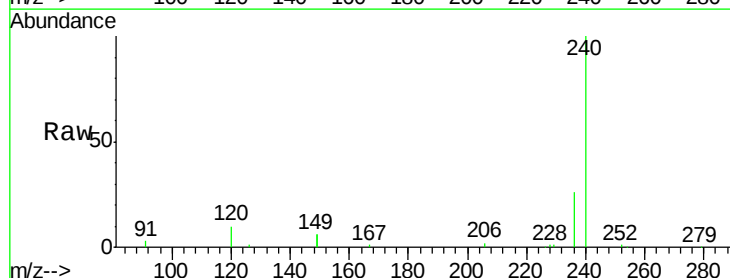
Tgt Ion:240 Resp: 33721

Ion Ratio Lower Upper

240 100

120 10.1 4.6 7.0#

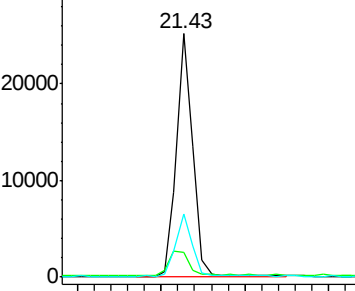
236 26.0 20.8 31.2



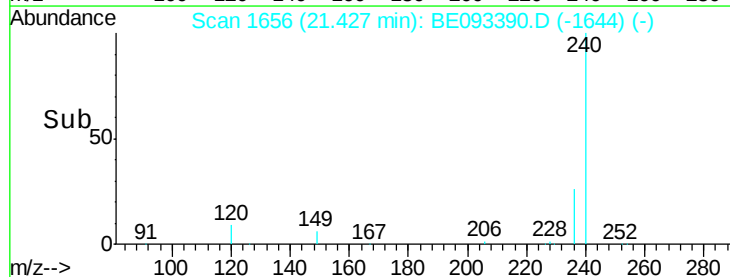
Abundance Ion 240.00 (239.70 to 240.70): E

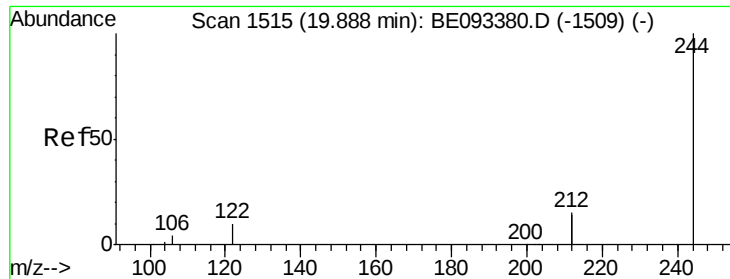
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.30 21.40 21.50 21.60

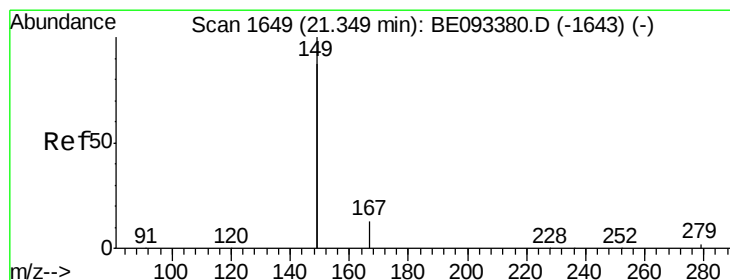
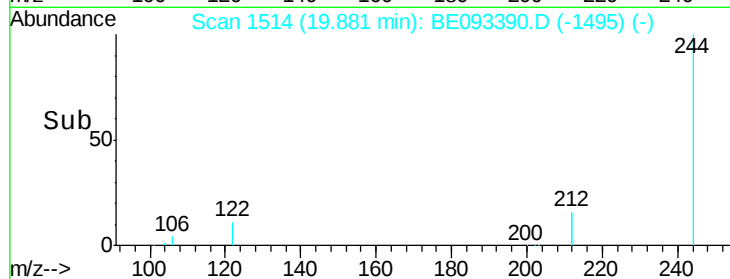
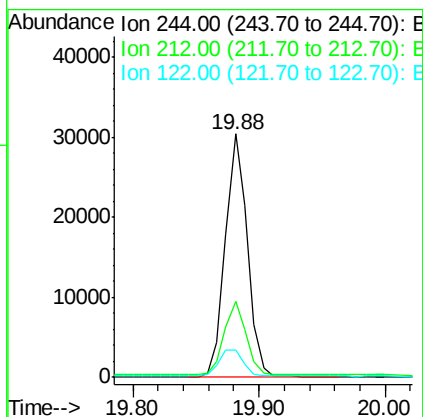
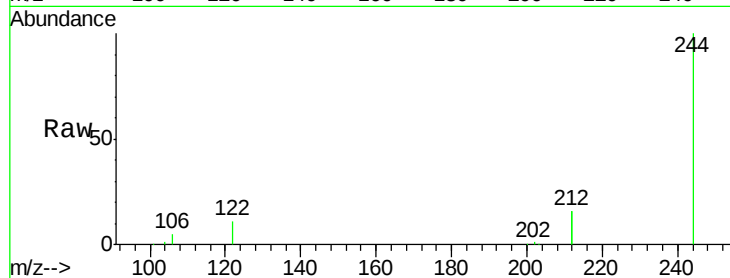




#29  
 Terphenyl-d14  
 Concen: 0.59 ng  
 RT: 19.88 min Scan# 1514  
 Delta R.T. -0.01 min  
 Lab File: BE093390.D  
 Acq: 1 Jul 2017 13:37

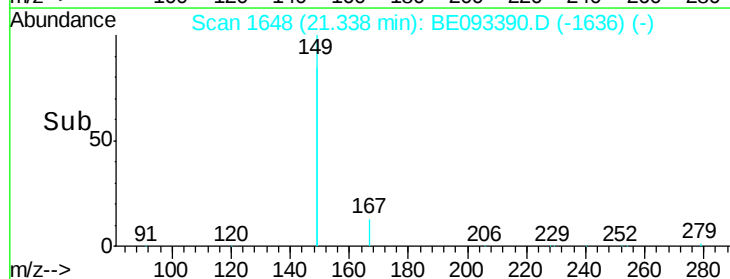
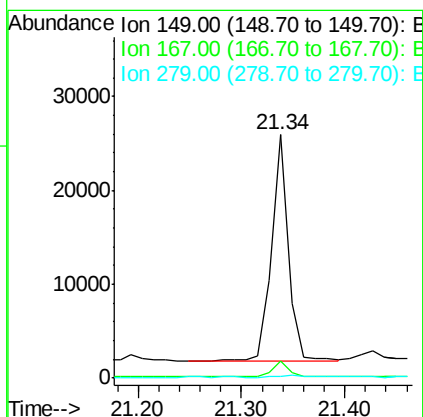
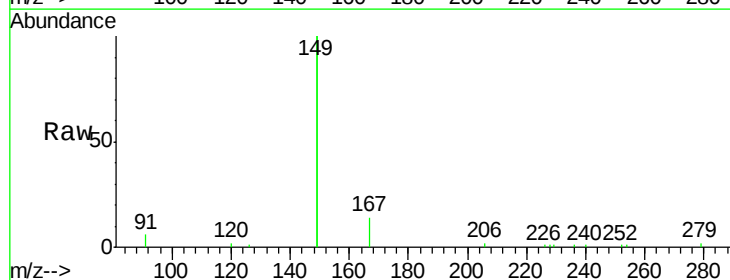
Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS027-170613

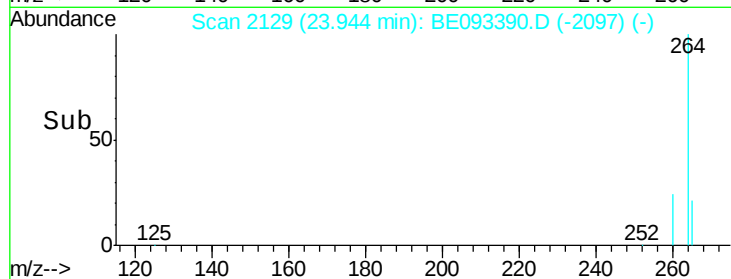
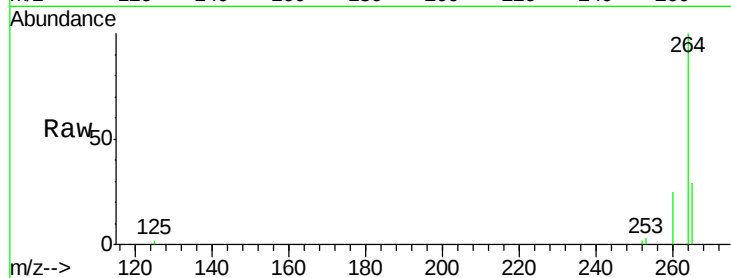
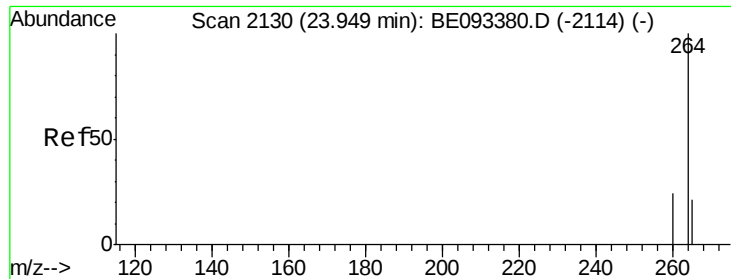
Tgt Ion: 244 Resp: 36582  
 Ion Ratio Lower Upper  
 244 100  
 212 31.0 10.6 16.0#  
 122 11.1 15.4 23.0#



#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.20 ng  
 RT: 21.34 min Scan# 1648  
 Delta R.T. -0.01 min  
 Lab File: BE093390.D  
 Acq: 1 Jul 2017 13:37

Tgt Ion: 149 Resp: 26969  
 Ion Ratio Lower Upper  
 149 100  
 167 6.9 20.1 30.1#  
 279 1.1 2.2 3.4#





#34

Perylene-d12

Concen: 0.40 ng

RT: 23.94 min Scan# 2129

Delta R.T. -0.00 min

Lab File: BE093390.D

Acq: 1 Jul 2017 13:37

Instrument :

BNA\_E

ClientSampleId :

KY038PS027-170613

Tgt Ion: 264 Resp: 29957

Ion Ratio Lower Upper

264 100

260 24.7 21.0 31.4

265 29.0 24.6 36.8

