

Data Path : Z:\HPCHEM1\BNA E\DATA\BE070617\  
 Data File : BE093429.D  
 Acq On : 6 Jul 2017 14:04  
 Operator : SJ/JU  
 Sample : I3757-02  
 Misc : LOO 0.2 PPM  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jul 07 06:49:30 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  | 4041     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.72 | 136  | 22332    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.54 | 164  | 14040    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.27 | 188  | 34113    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.43 | 240  | 37661    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.93 | 264  | 32695    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.53  | 112  | 5780     | 0.47 | ng    | 0.00     |
| 5) Phenol-d6                | 7.10  | 99   | 9063     | 0.50 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.08  | 82   | 7682     | 0.54 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.31 | 152  | 18081    | 0.51 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330  | 1649     | 0.37 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.18 | 172  | 27376    | 0.50 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.29 | 212  | 202441   | 0.49 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.87 | 244  | 35345    | 0.53 | ng    | 0.00     |

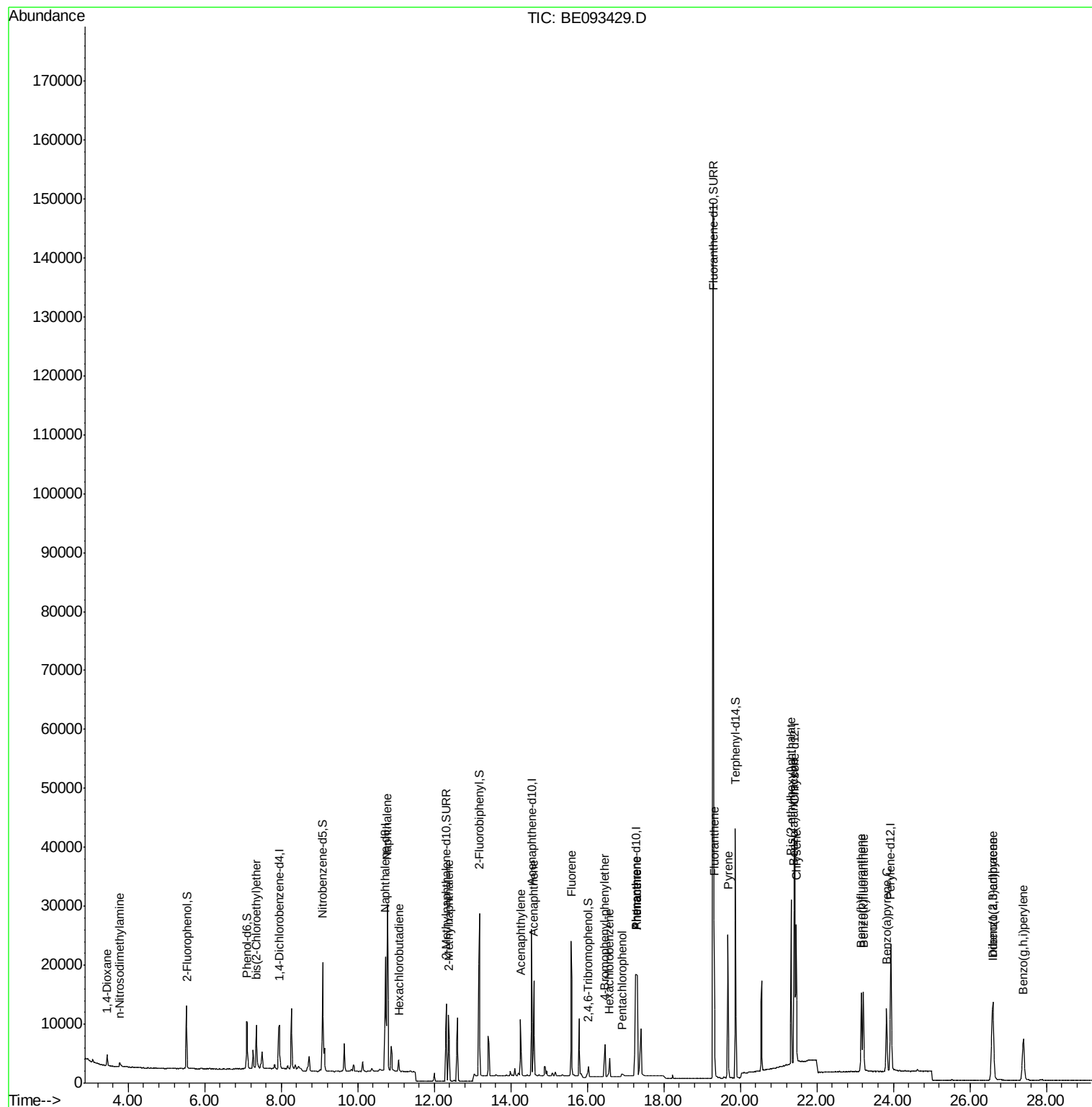
| Target Compounds               | R.T.  | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 2) 1,4-Dioxane                 | 3.45  | 88   | 1519     | 0.18 | ng    | # 91   |
| 3) n-Nitrosodimethylamine      | 3.77  | 42   | 766      | 0.25 | ng    | # 97   |
| 6) bis(2-Chloroethyl)ether     | 7.35  | 93   | 2584     | 0.19 | ng    | # 96   |
| 9) Naphthalene                 | 10.77 | 128  | 45065    | 0.19 | ng    | # 73   |
| 10) Hexachlorobutadiene        | 11.08 | 225  | 1701     | 0.19 | ng    | 98     |
| 12) 2-Methylnaphthalene        | 12.38 | 142  | 7809     | 0.20 | ng    | 95     |
| 16) Acenaphthylene             | 14.26 | 152  | 10949    | 0.19 | ng    | # 87   |
| 17) Acenaphthene               | 14.60 | 154  | 8063     | 0.19 | ng    | 98     |
| 18) Fluorene                   | 15.58 | 166  | 10482    | 0.18 | ng    | # 88   |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248  | 4102     | 0.22 | ng    | # 17   |
| 21) Hexachlorobenzene          | 16.58 | 284  | 4620     | 0.23 | ng    | # 100  |
| 22) Pentachlorophenol          | 16.91 | 266  | 512      | 0.17 | ng    | # 77   |
| 23) Phenanthrene               | 17.30 | 178  | 25361    | 0.20 | ng    | 98     |
| 24) Anthracene                 | 17.30 | 178  | 25995    | 0.34 | ng    | 99     |
| 26) Fluoranthene               | 19.32 | 202  | 21778    | 0.19 | ng    | 99     |
| 28) Pyrene                     | 19.67 | 202  | 21927    | 0.21 | ng    | # 99   |
| 30) Benzo(a)anthracene         | 21.40 | 228  | 19826    | 0.20 | ng    | 93     |
| 31) Chrysene                   | 21.46 | 228  | 20752    | 0.20 | ng    | 95     |
| 32) Bis(2-ethylhexyl)phthalate | 21.33 | 149  | 29630    | 0.20 | ng    | # 66   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.58 | 276  | 18838    | 0.20 | ng    | 95     |
| 35) Benzo(b)fluoranthene       | 23.16 | 252  | 19349    | 0.18 | ng    | 97     |
| 36) Benzo(k)fluoranthene       | 23.21 | 252  | 19241    | 0.18 | ng    | 96     |
| 37) Benzo(a)pyrene             | 23.82 | 252  | 17406    | 0.19 | ng    | 97     |
| 38) Dibenzo(a,h)anthracene     | 26.60 | 278  | 16839    | 0.19 | ng    | # 92   |
| 39) Benzo(g,h,i)perylene       | 27.40 | 276  | 17359    | 0.19 | ng    | 92     |

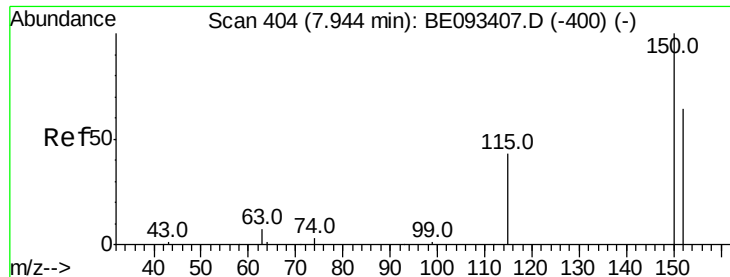
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.95 min Scan# 404

Delta R.T. 0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

ClientSampleId :

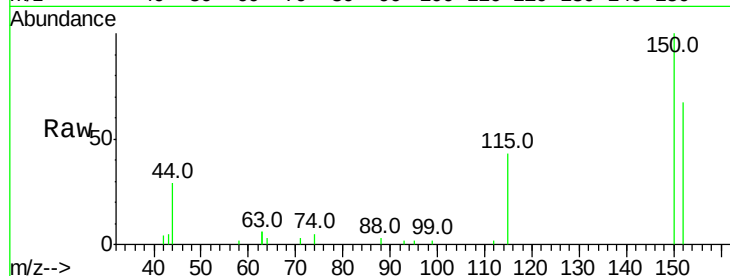
Tot Ion:152 Resp: 4041

Ion Ratio Lower Upper

152 100

150 148.3 125.1 187.7

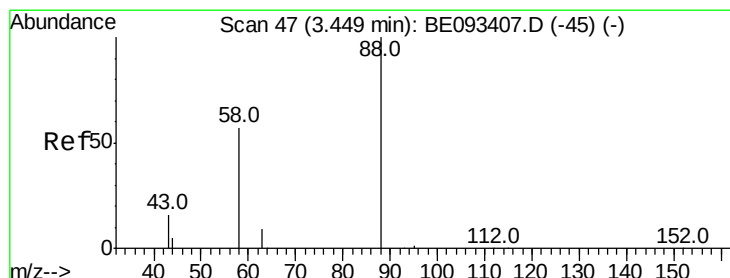
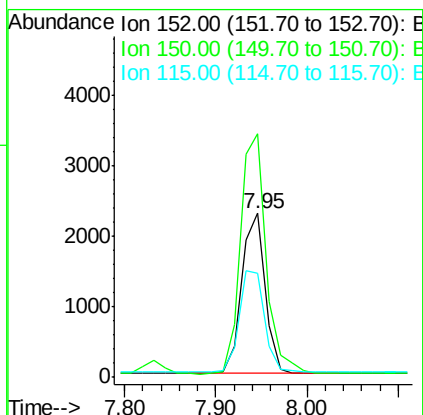
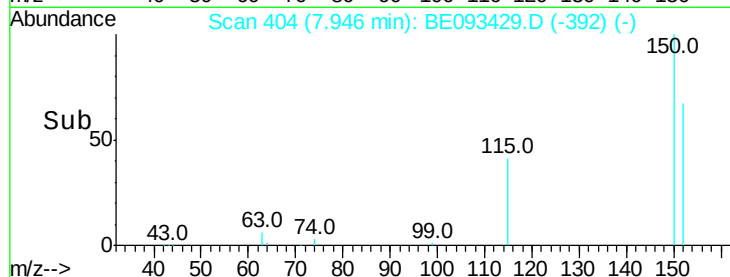
115 63.7 55.7 83.5



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: 0.18 ng

RT: 3.45 min Scan# 47

Delta R.T. 0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

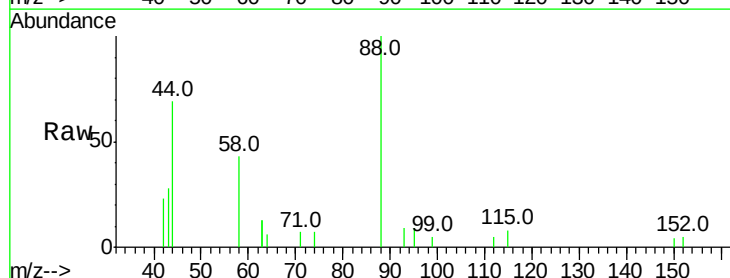
Tgt Ion: 88 Resp: 1519

Ion Ratio Lower Upper

88 100

58 82.4 62.2 93.4

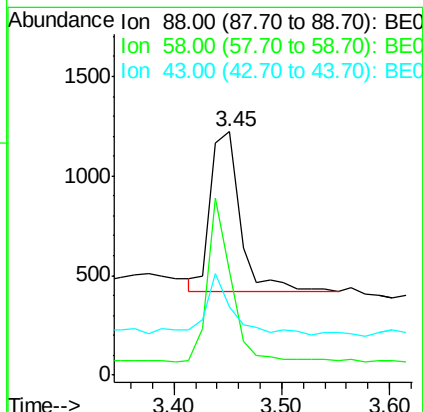
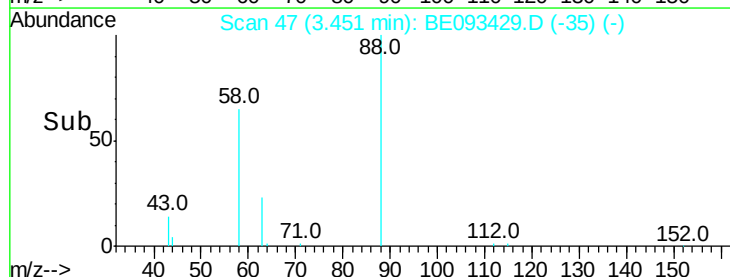
43 38.7 23.2 34.8#

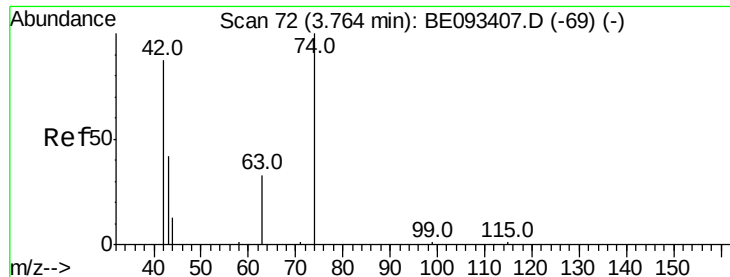


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



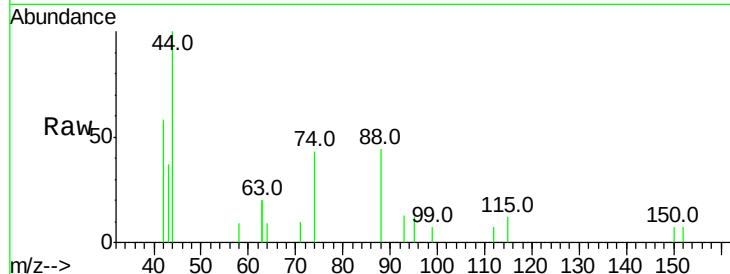


#3

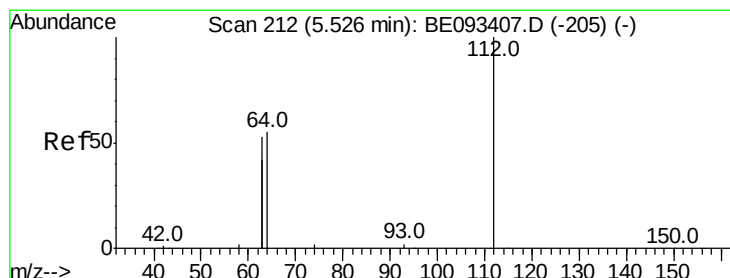
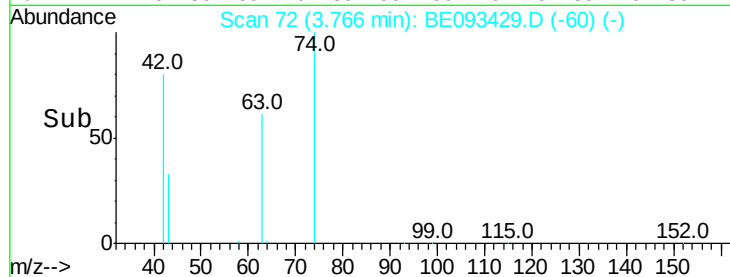
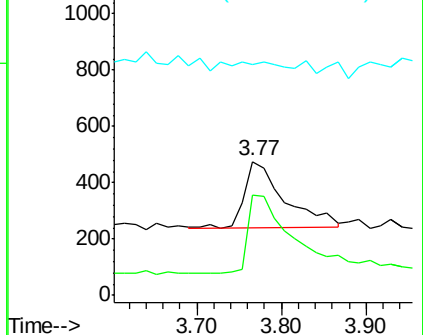
n-Nitrosodimethylamine  
 Concen: 0.25 ng  
 RT: 3.77 min Scan# 72  
 Delta R.T. 0.00 min  
 Lab File: BE093429.D  
 Acq: 6 Jul 2017 14:04

Instrument :  
 BNA\_E  
 ClientSampled :

Tot Ion: 42 Resp: 766  
 Ion Ratio Lower Upper  
 42 100  
 74 124.8 99.1 148.7  
 44 0.0 7.4 11.2#



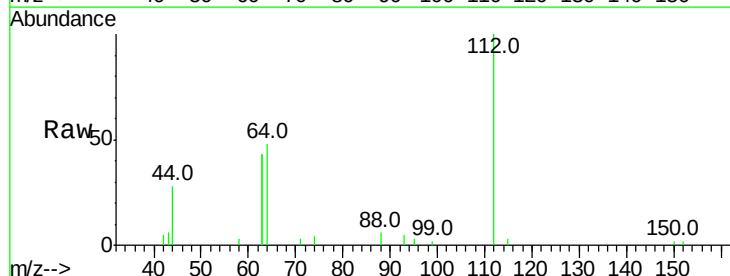
Abundance Ion 42.00 (41.70 to 42.70): BE0  
 Ion 74.00 (73.70 to 74.70): BE0  
 Ion 44.00 (43.70 to 44.70): BE0



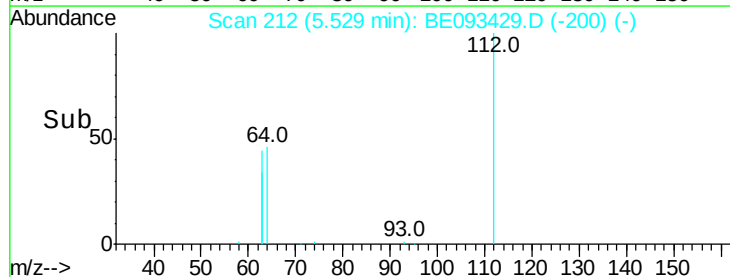
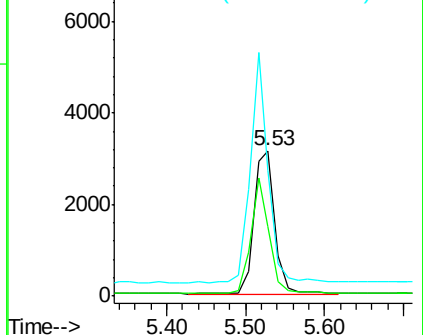
#4

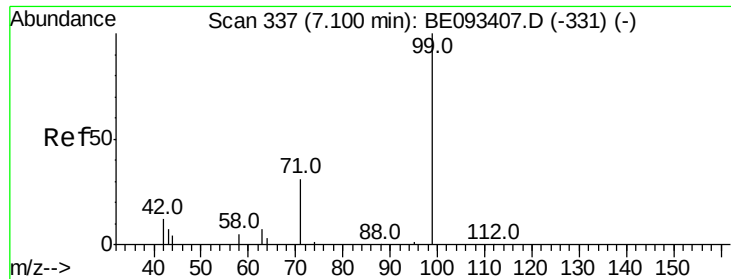
2-Fluorophenol  
 Concen: 0.47 ng  
 RT: 5.53 min Scan# 212  
 Delta R.T. 0.00 min  
 Lab File: BE093429.D  
 Acq: 6 Jul 2017 14:04

Tgt Ion: 112 Resp: 5780  
 Ion Ratio Lower Upper  
 112 100  
 64 69.6 56.4 84.6  
 63 140.0 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: 0.50 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

ClientSampleId :

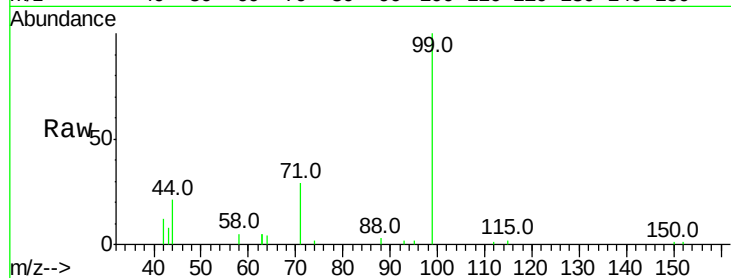
Tot Ion: 99 Resp: 9063

Ion Ratio Lower Upper

99 100

42 18.9 0.0 0.0#

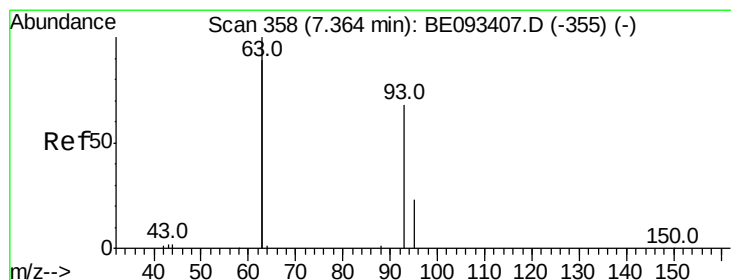
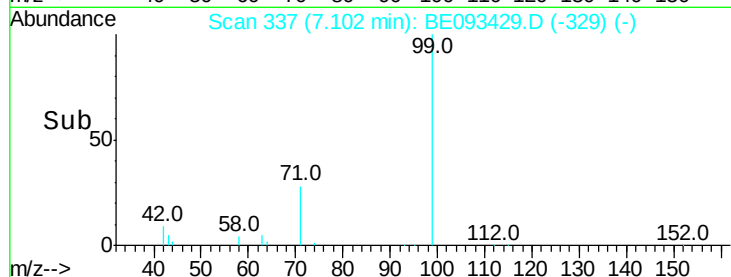
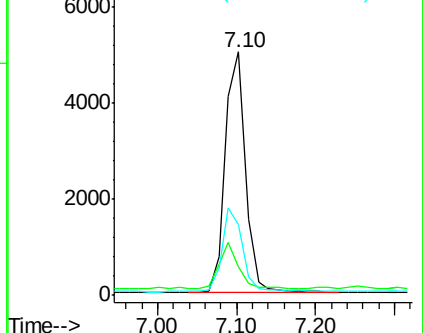
71 35.0 0.0 0.0#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.19 ng

RT: 7.35 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

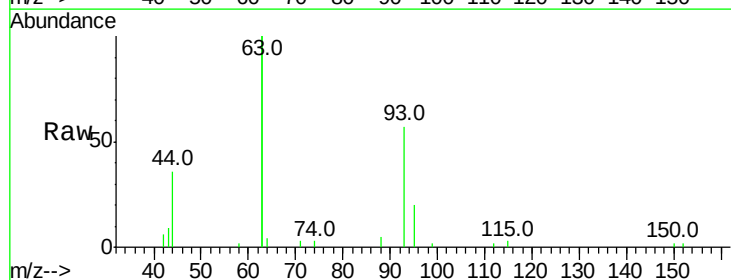
Tgt Ion: 93 Resp: 2584

Ion Ratio Lower Upper

93 100

63 346.0 0.0 0.0#

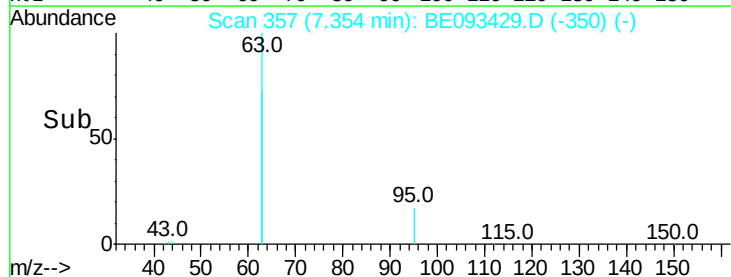
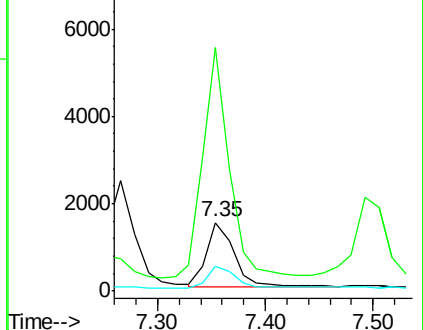
95 34.0 25.4 38.0

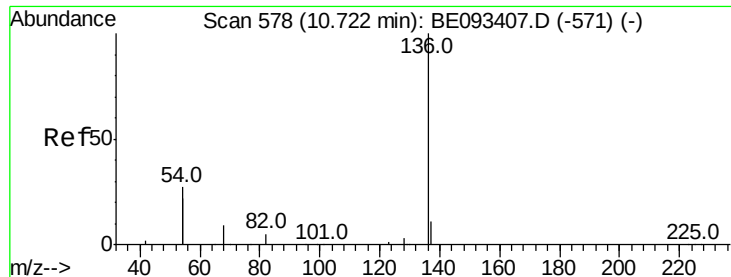


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.72 min Scan# 578

Delta R.T. 0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 22332

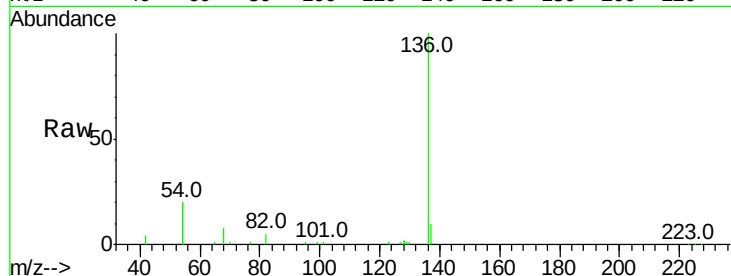
Ion Ratio Lower Upper

136 100

137 10.5 9.8 14.8

54 40.7 10.3 15.5#

68 8.0 9.0 13.4#

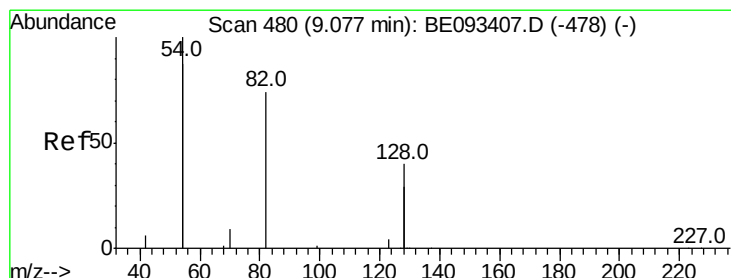
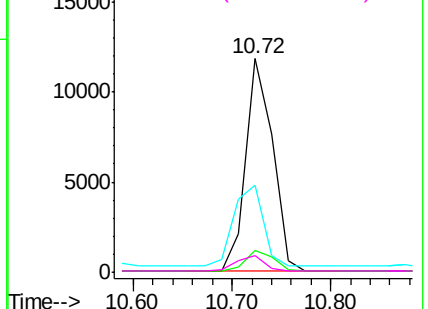
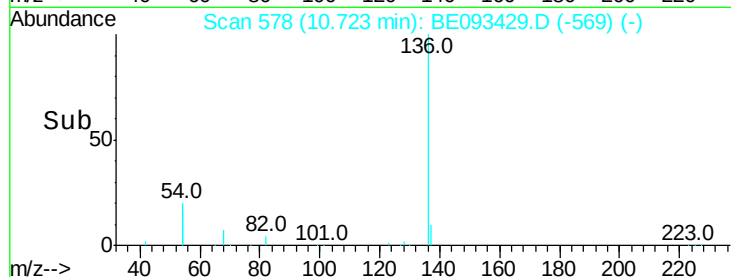


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.54 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

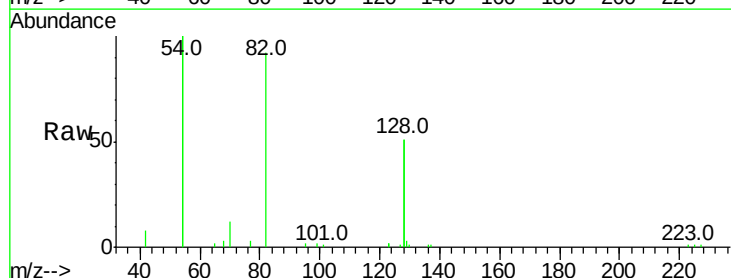
Tgt Ion: 82 Resp: 7682

Ion Ratio Lower Upper

82 100

128 111.4 17.0 25.4#

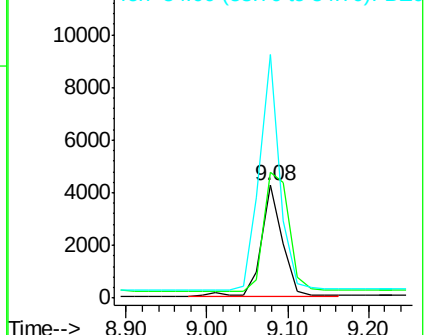
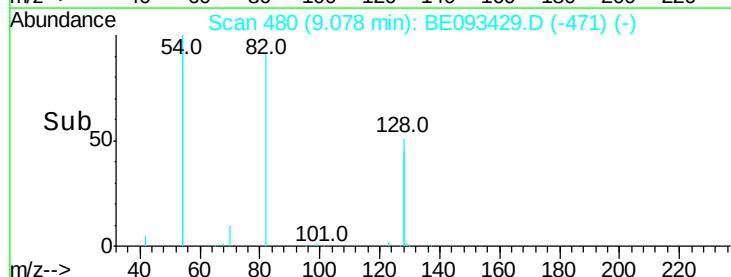
54 216.4 53.8 80.6#

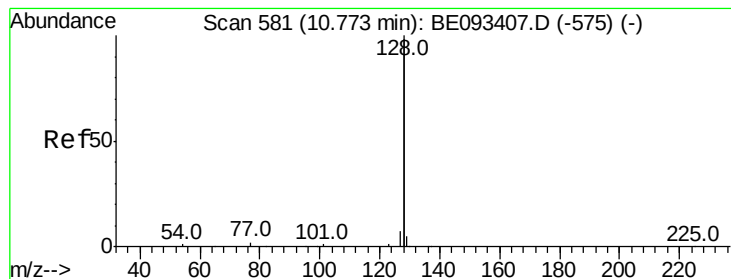


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.19 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

ClientSampleId :

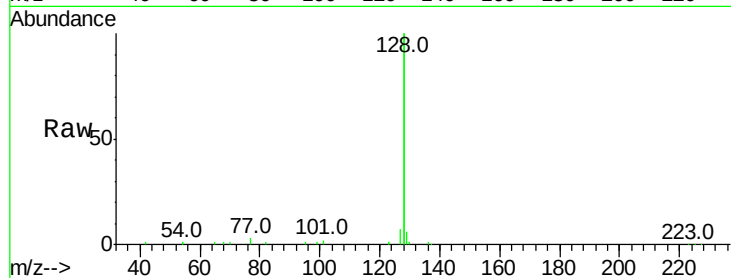
Tot Ion:128 Resp: 45065

Ion Ratio Lower Upper

128 100

129 2.9 11.4 17.0#

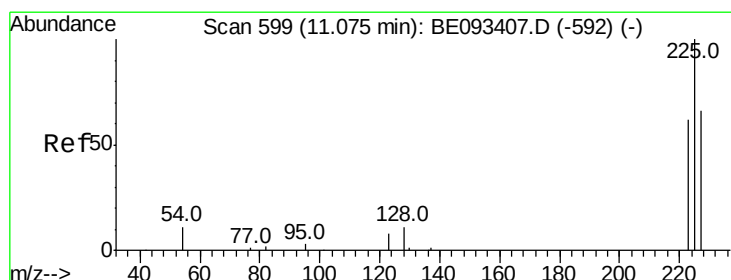
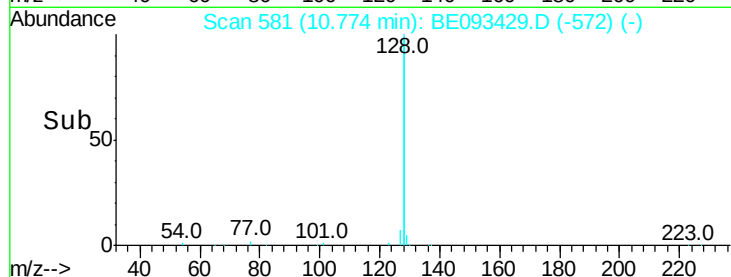
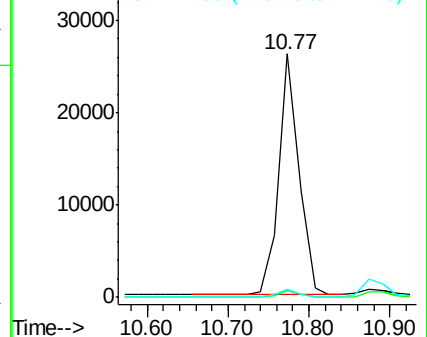
127 3.6 11.2 16.8#



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



#10

Hexachlorobutadiene

Concen: 0.19 ng

RT: 11.08 min Scan# 599

Delta R.T. 0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

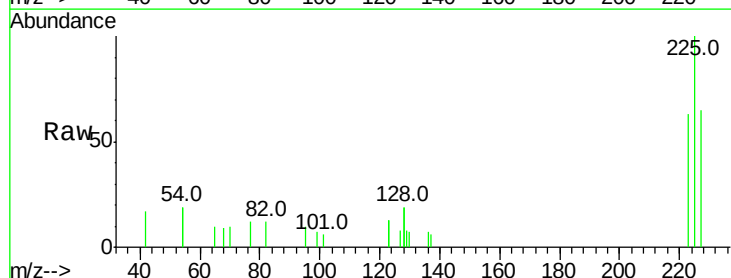
Tgt Ion:225 Resp: 1701

Ion Ratio Lower Upper

225 100

223 64.0 49.7 74.5

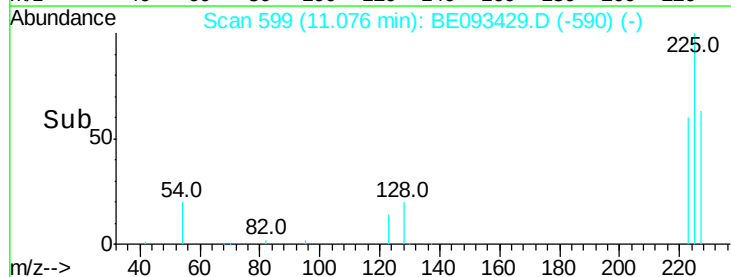
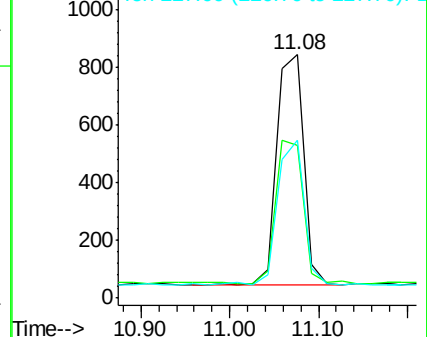
227 61.7 50.3 75.5

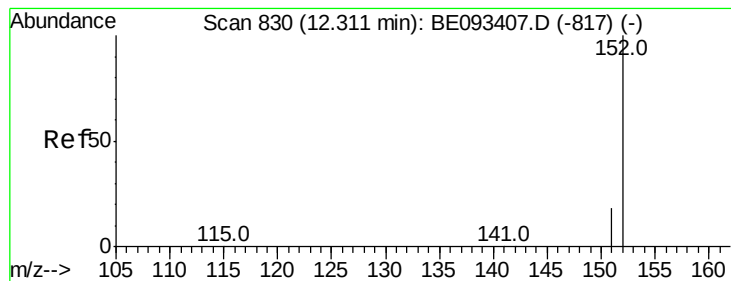


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.51 ng

RT: 12.31 min Scan# 830

Delta R.T. -0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

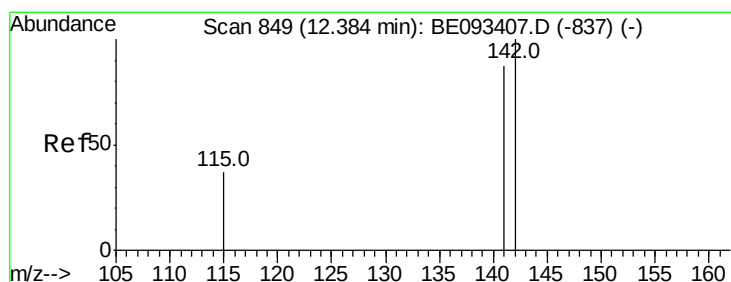
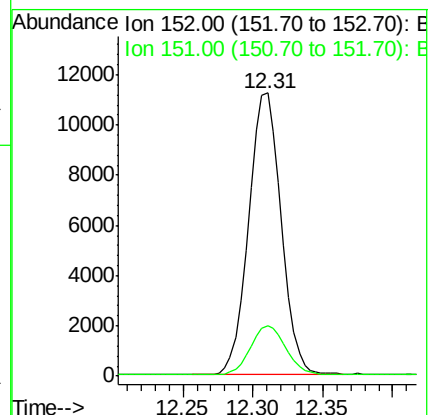
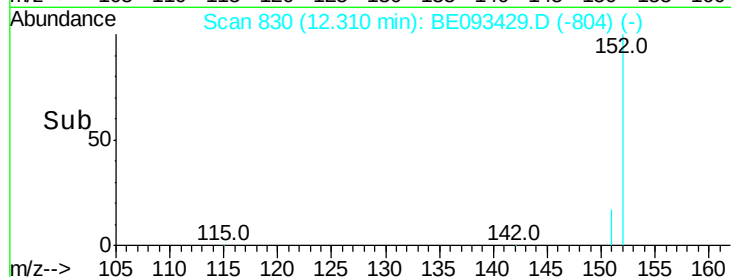
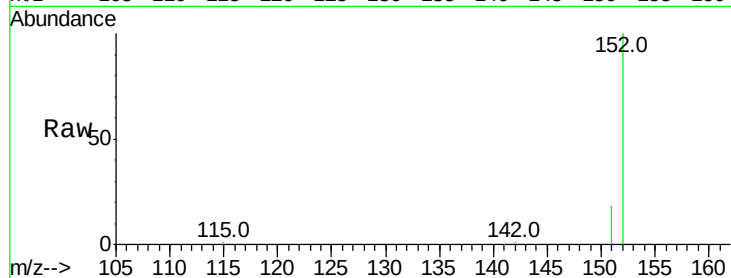
ClientSampleId :

Tot Ion:152 Resp: 18081

Ion Ratio Lower Upper

152 100

151 19.0 15.1 22.7



#12

2-Methylnaphthalene

Concen: 0.20 ng

RT: 12.38 min Scan# 849

Delta R.T. -0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

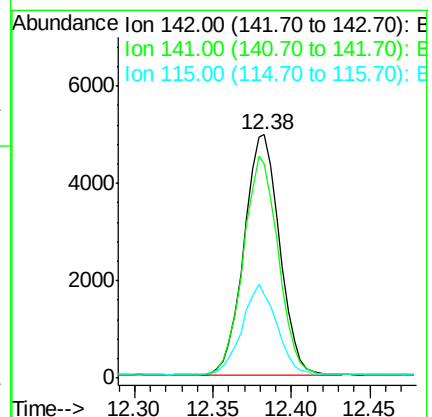
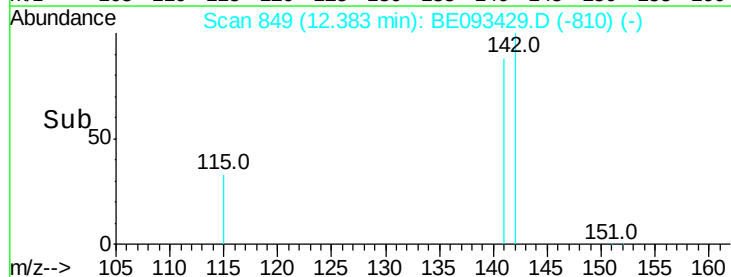
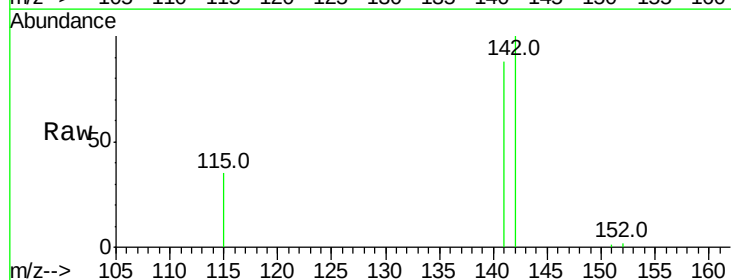
Tgt Ion:142 Resp: 7809

Ion Ratio Lower Upper

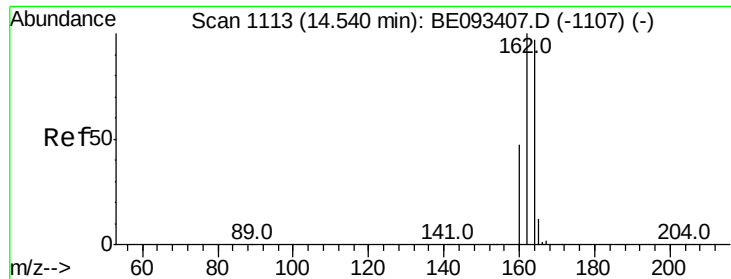
142 100

141 88.1 72.6 108.8

115 34.6 32.2 48.2



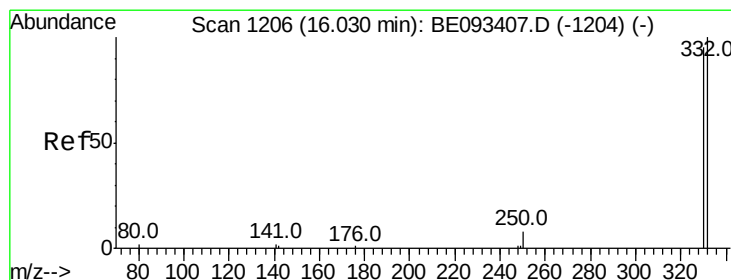
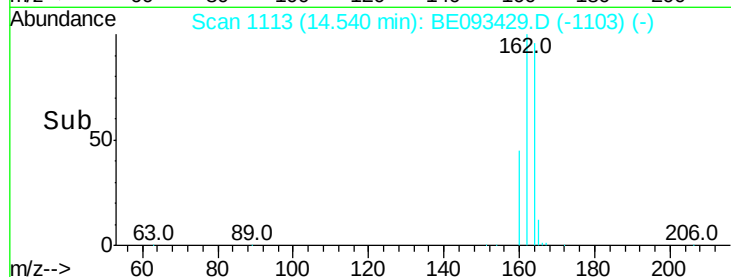
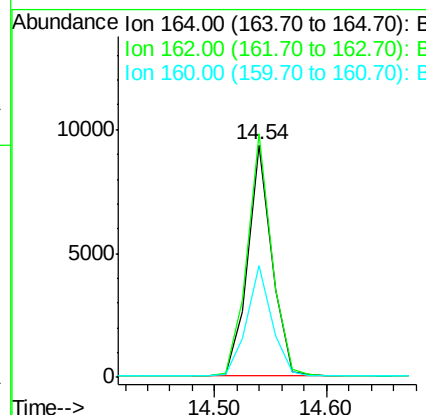
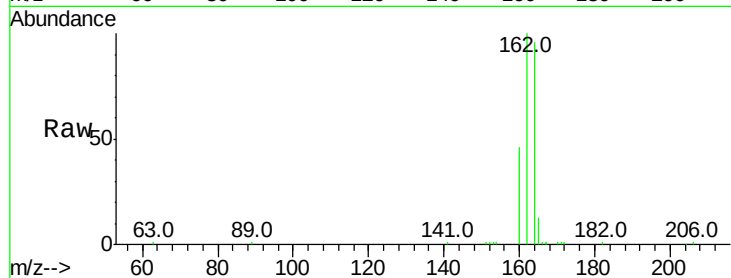




#13  
 Acenaphthene-d10  
 Concen: 0.40 ng  
 RT: 14.54 min Scan# 1113  
 Delta R.T. -0.00 min  
 Lab File: BE093429.D  
 Acq: 6 Jul 2017 14:04

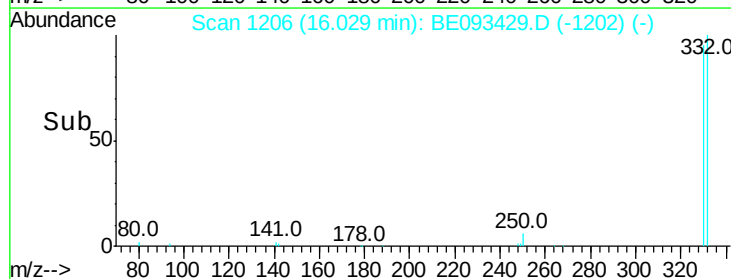
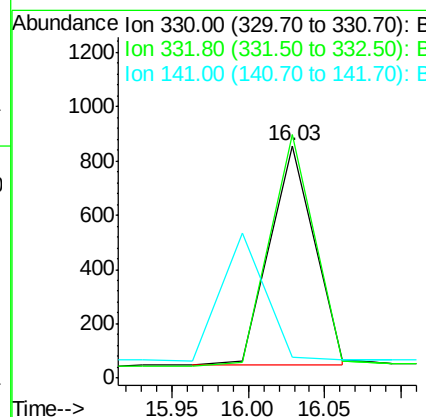
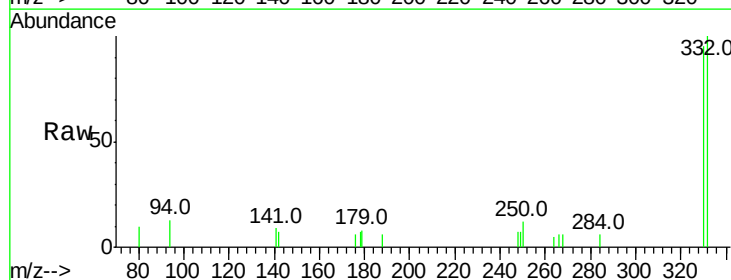
Instrument :  
 BNA\_E  
 ClientSampleId :

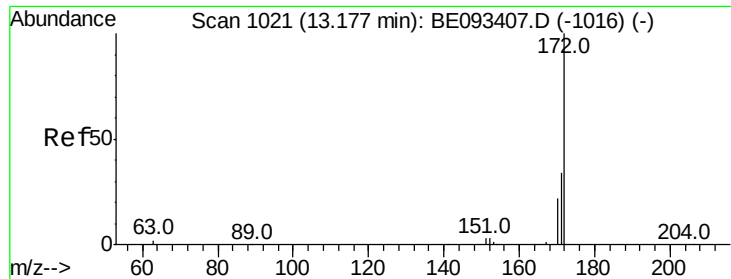
Tot Ion:164 Resp: 14040  
 Ion Ratio Lower Upper  
 164 100  
 162 104.7 84.6 127.0  
 160 47.9 41.8 62.6



#14  
 2,4,6-Tribromophenol  
 Concen: 0.37 ng  
 RT: 16.03 min Scan# 1206  
 Delta R.T. -0.00 min  
 Lab File: BE093429.D  
 Acq: 6 Jul 2017 14:04

Tgt Ion:330 Resp: 1649  
 Ion Ratio Lower Upper  
 330 100  
 332 104.7 77.7 116.5  
 141 0.0 56.2 84.4#

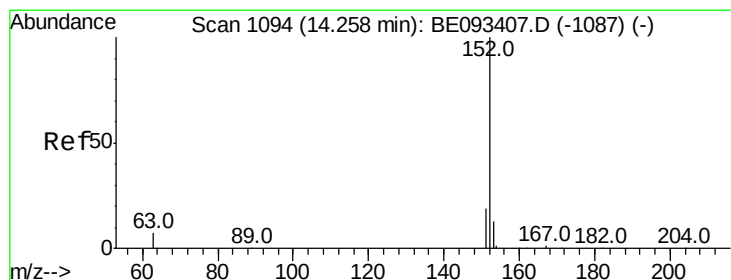
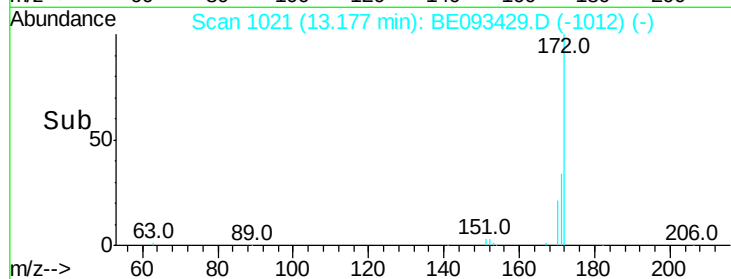
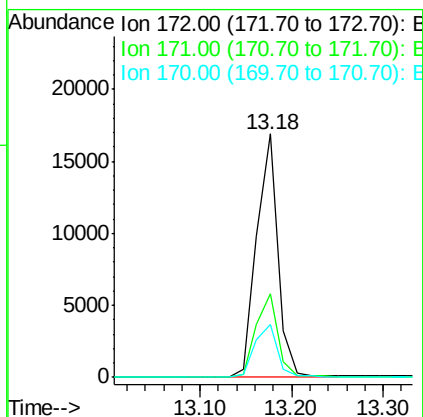
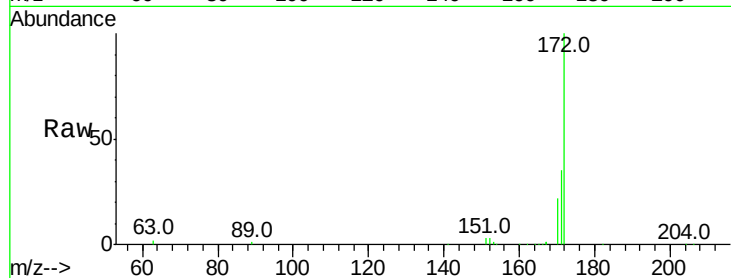




#15  
2-Fluorobiphenyl  
Concen: 0.50 ng  
RT: 13.18 min Scan# 1021  
Delta R.T. -0.00 min  
Lab File: BE093429.D  
Acq: 6 Jul 2017 14:04

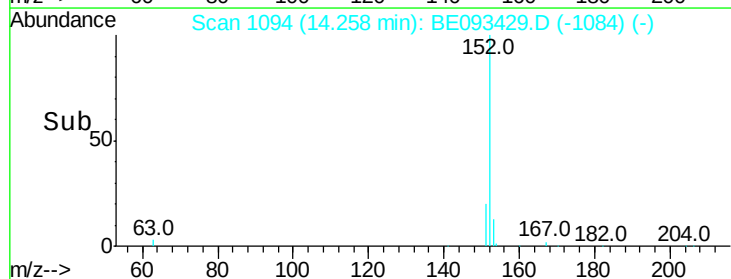
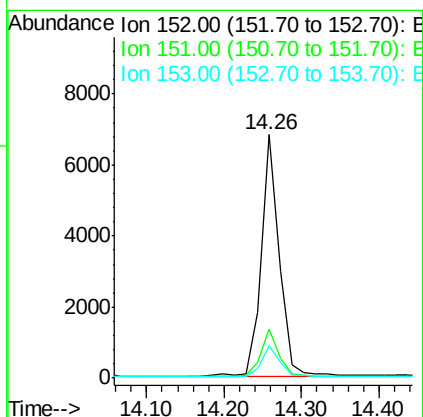
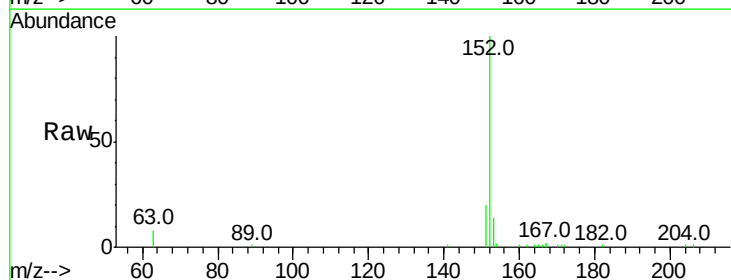
Instrument :  
BNA\_E  
ClientSampleId :

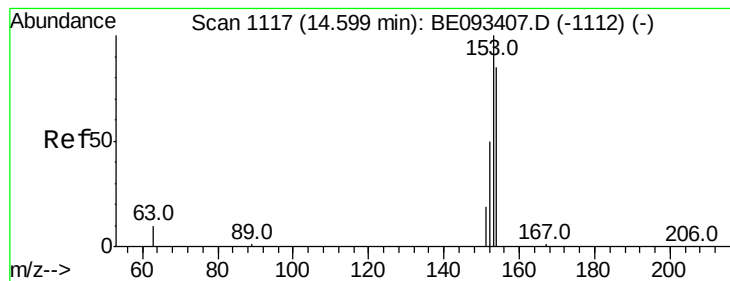
Tot Ion:172 Resp: 27376  
Ion Ratio Lower Upper  
172 100  
171 34.6 29.8 44.6  
170 21.5 20.7 31.1



#16  
Acenaphthylene  
Concen: 0.19 ng  
RT: 14.26 min Scan# 1094  
Delta R.T. -0.00 min  
Lab File: BE093429.D  
Acq: 6 Jul 2017 14:04

Tgt Ion:152 Resp: 10949  
Ion Ratio Lower Upper  
152 100  
151 19.1 4.0 6.0#  
153 13.2 10.3 15.5





#17

Acenaphthene

Concen: 0.19 ng

RT: 14.60 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

ClientSampleId :

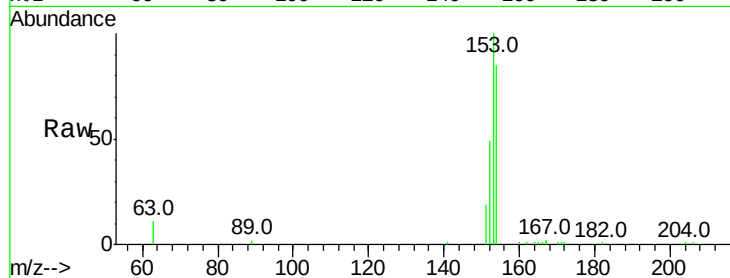
Tot Ion:154 Resp: 8063

Ion Ratio Lower Upper

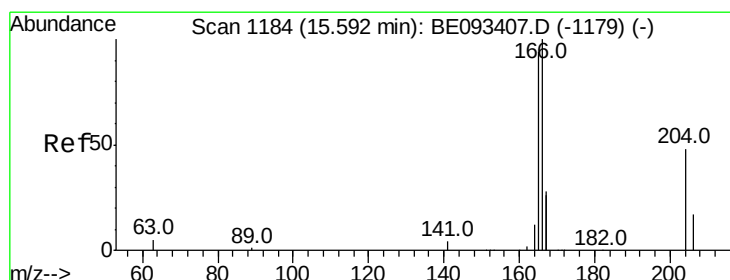
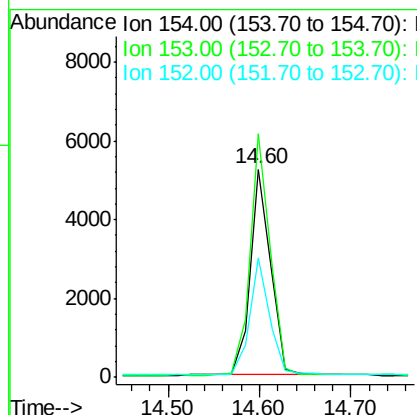
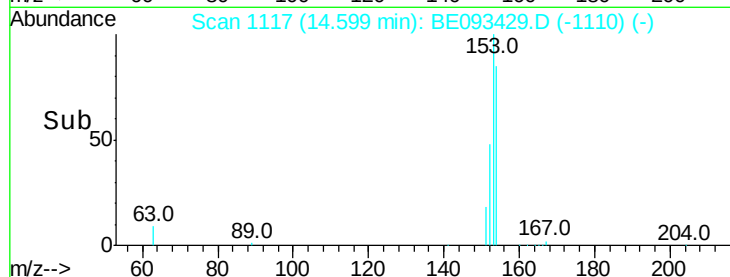
154 100

153 116.6 91.2 136.8

152 56.1 44.8 67.2



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.18 ng

RT: 15.58 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

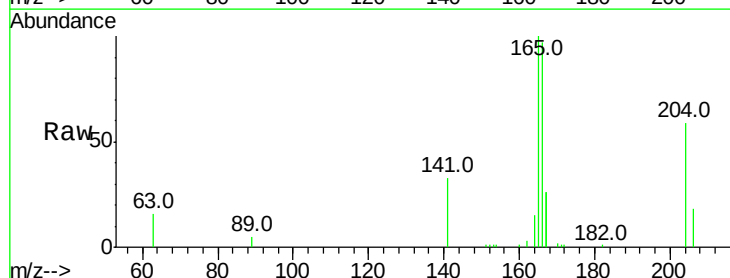
Tgt Ion:166 Resp: 10482

Ion Ratio Lower Upper

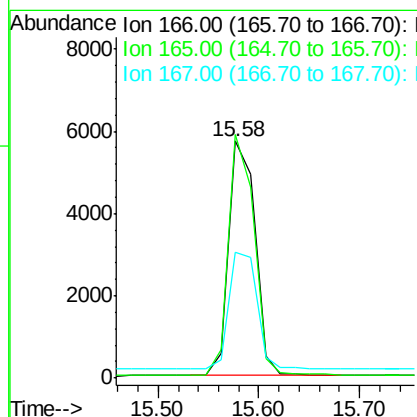
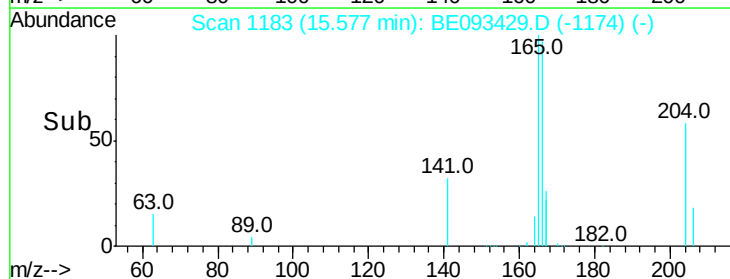
166 100

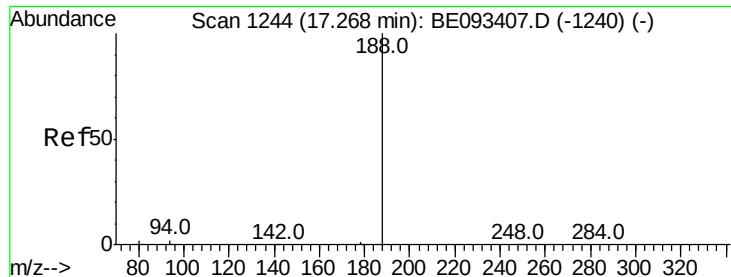
165 98.7 78.6 117.8

167 52.1 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

ClientSampleId :

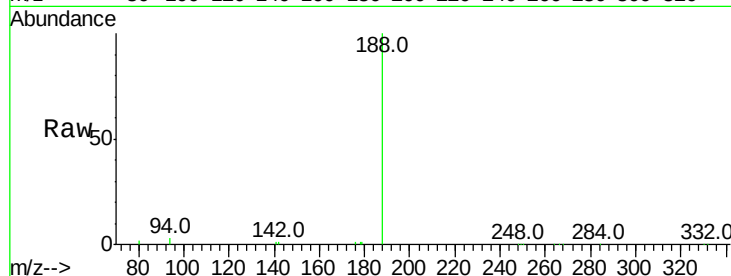
Tot Ion:188 Resp: 34113

Ion Ratio Lower Upper

188 100

94 2.9 11.3 16.9#

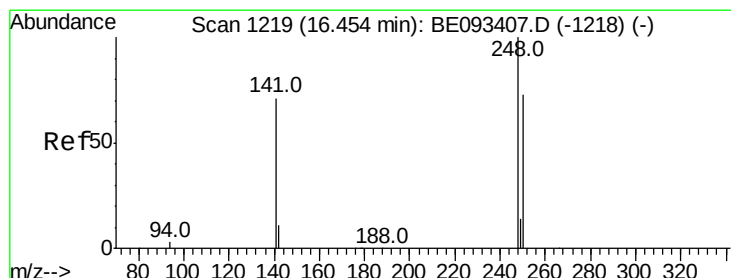
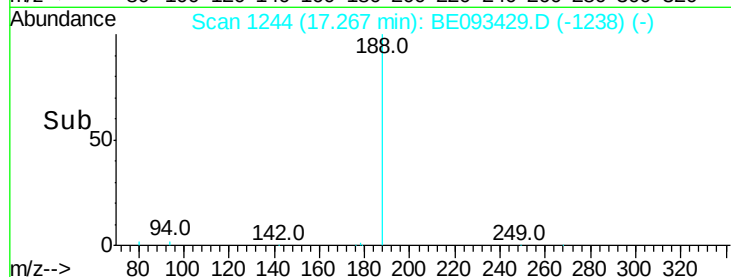
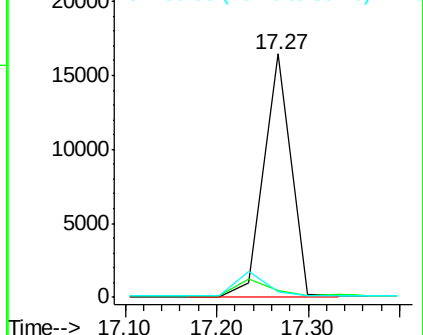
80 2.1 11.7 17.5#



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



#20

4-Bromophenyl-phenylether

Concen: 0.22 ng

RT: 16.45 min Scan# 1219

Delta R.T. -0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

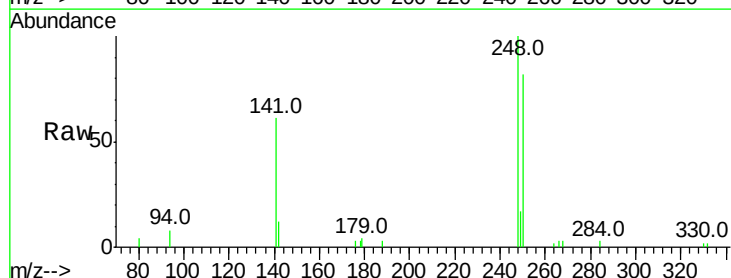
Tgt Ion:248 Resp: 4102

Ion Ratio Lower Upper

248 100

250 81.8 40.8 61.2#

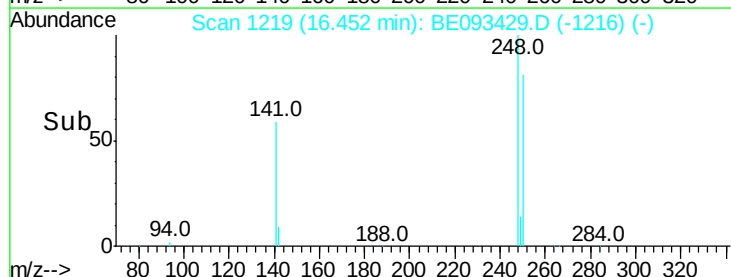
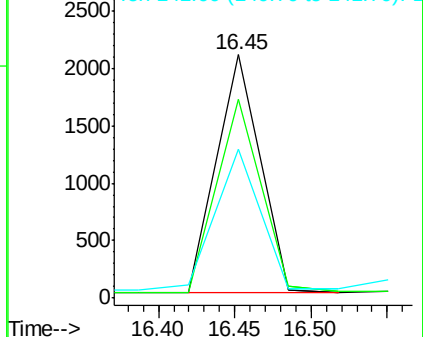
141 61.2 161.6 242.4#

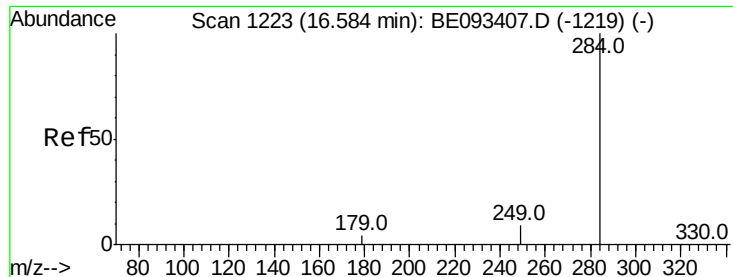


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.23 ng

RT: 16.58 min Scan# 1223

Delta R.T. -0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

ClientSampleId :

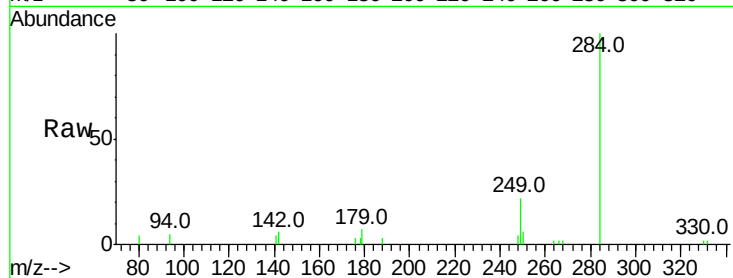
Tot Ion:284 Resp: 4620

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

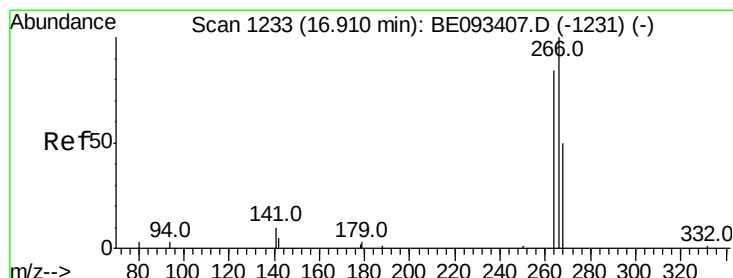
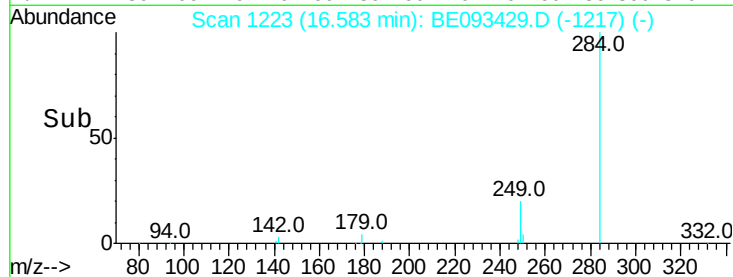
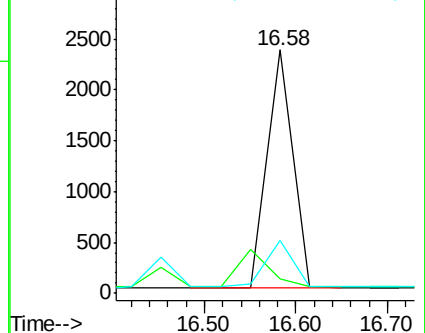
249 21.1 0.0 0.0#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.17 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

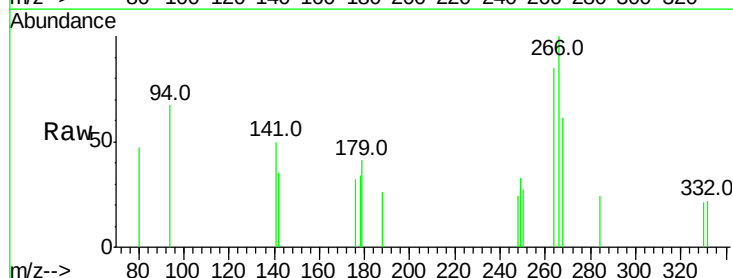
Tgt Ion:266 Resp: 512

Ion Ratio Lower Upper

266 100

264 84.9 58.2 87.2

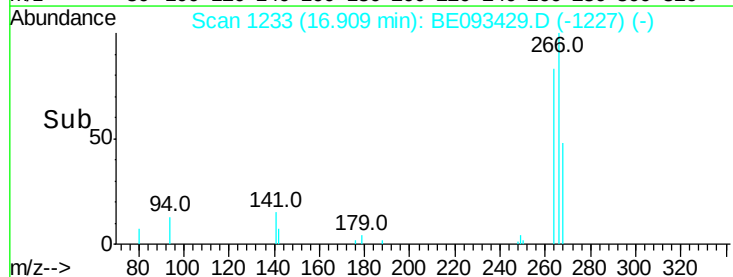
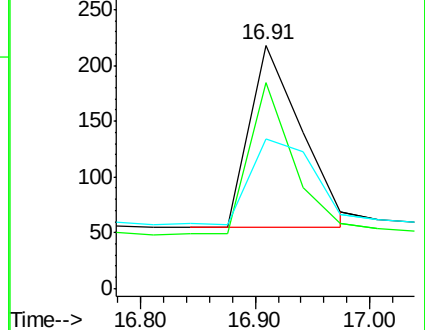
268 61.5 71.9 107.9#

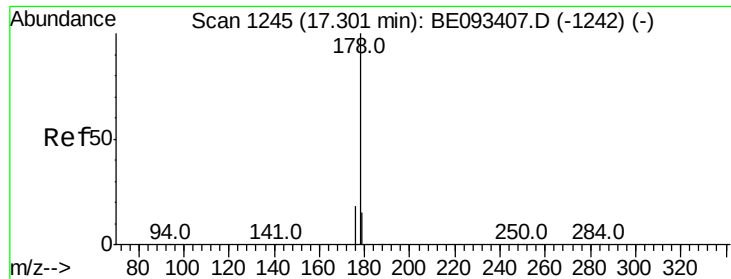


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

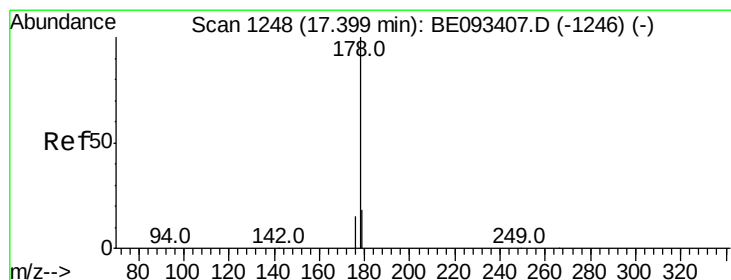
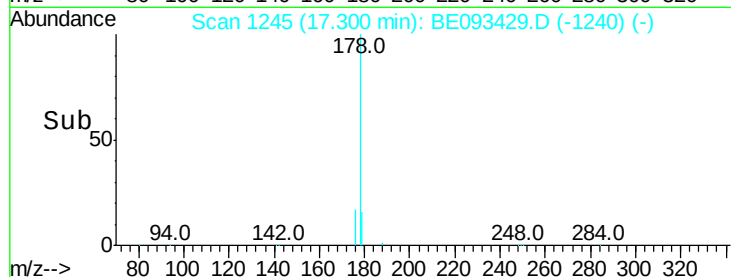
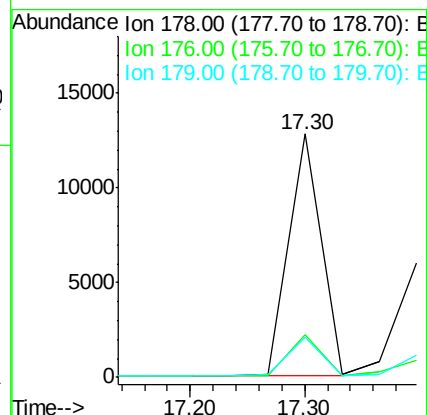
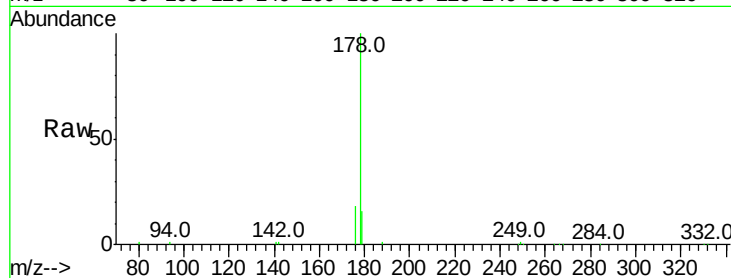




#23  
Phenanthrene  
Concen: 0.20 ng  
RT: 17.30 min Scan# 1245  
Delta R.T. -0.00 min  
Lab File: BE093429.D  
Acq: 6 Jul 2017 14:04

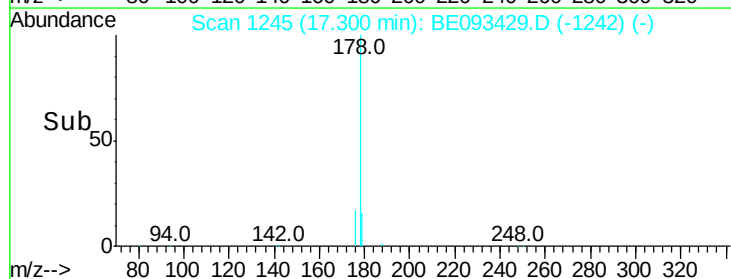
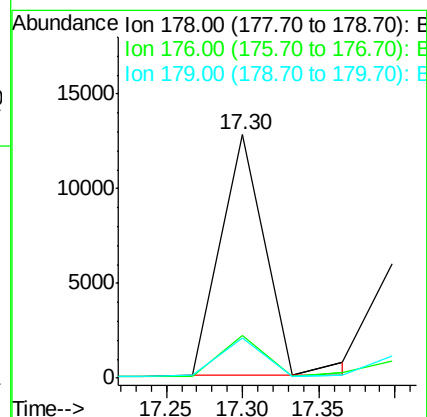
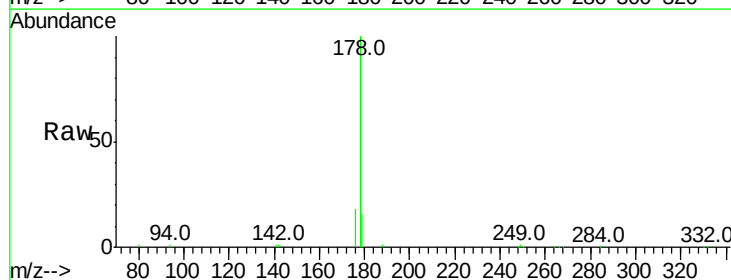
Instrument :  
BNA\_E  
ClientSampled :

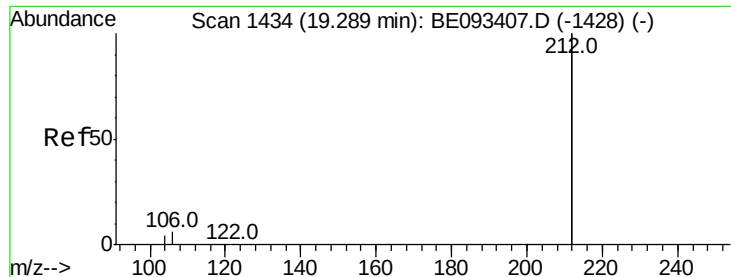
Tot Ion:178 Resp: 25361  
Ion Ratio Lower Upper  
178 100  
176 17.5 15.0 22.4  
179 16.0 12.7 19.1



#24  
Anthracene  
Concen: 0.34 ng  
RT: 17.30 min Scan# 1245  
Delta R.T. -0.10 min  
Lab File: BE093429.D  
Acq: 6 Jul 2017 14:04

Tgt Ion:178 Resp: 25995  
Ion Ratio Lower Upper  
178 100  
176 17.7 14.6 22.0  
179 15.1 12.0 18.0





#25

Fluoranthene-d10

Concen: 0.49 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BE093429.D

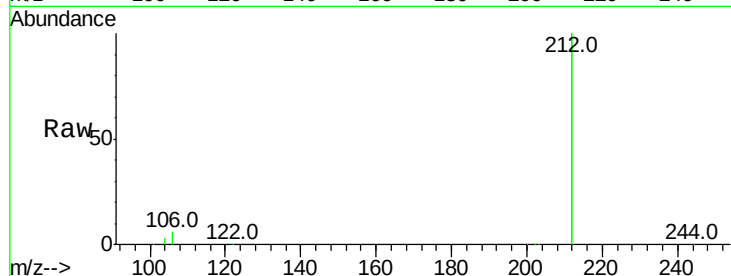
Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

ClientSampleId :

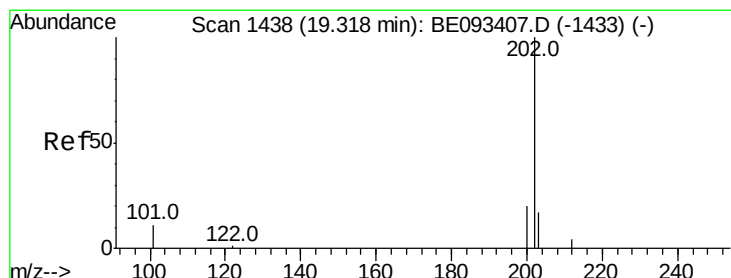
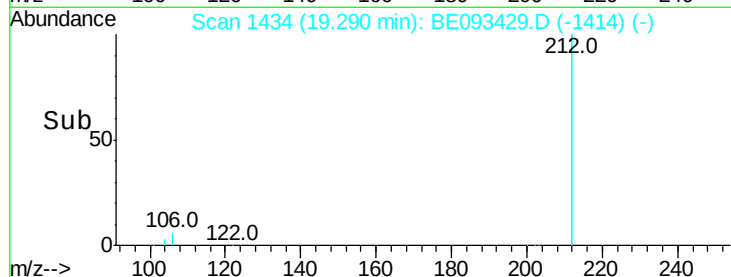
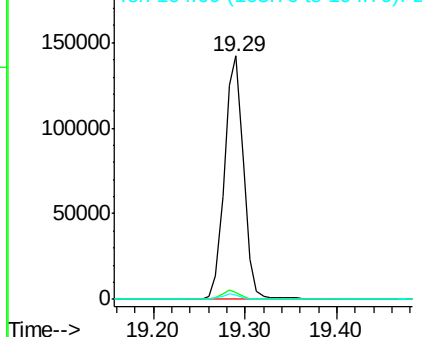
|             |       |        |
|-------------|-------|--------|
| Tot Ion:212 | Resp: | 202441 |
| Ion Ratio   | Lower | Upper  |
| 212 100     |       |        |
| 106 3.5     | 2.4   | 3.6    |
| 104 2.0     | 1.6   | 2.4    |



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: 0.19 ng

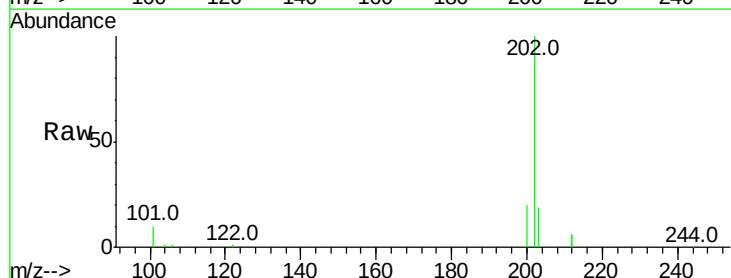
RT: 19.32 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

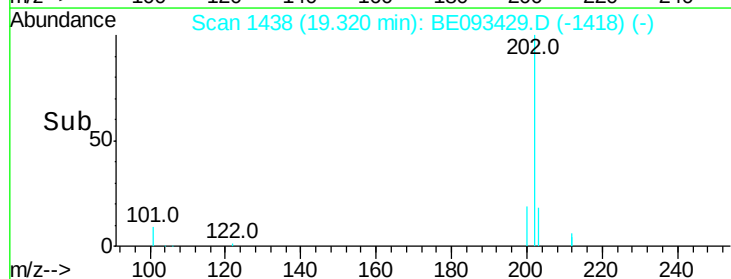
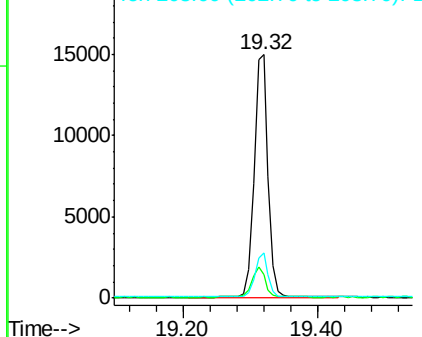
|             |       |       |
|-------------|-------|-------|
| Tgt Ion:202 | Resp: | 21778 |
| Ion Ratio   | Lower | Upper |
| 202 100     |       |       |
| 101 12.3    | 9.6   | 14.4  |
| 203 17.5    | 14.4  | 21.6  |

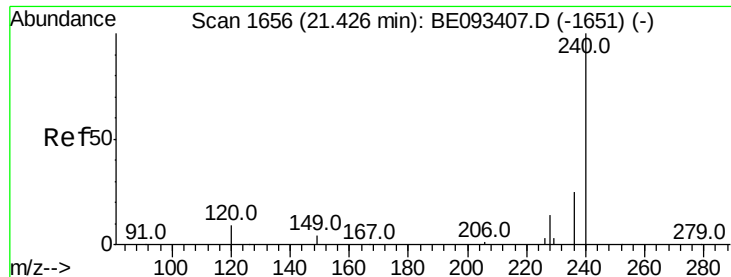


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

ClientSampleId :

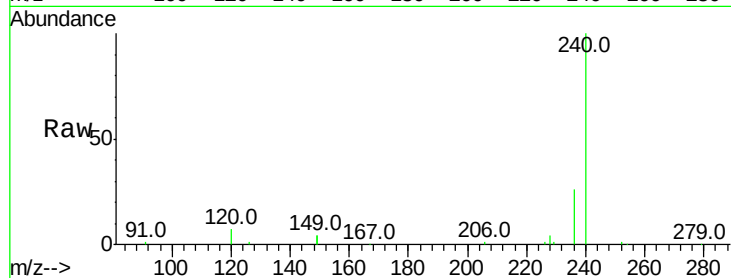
Tot Ion:240 Resp: 37661

Ion Ratio Lower Upper

240 100

120 7.2 4.6 7.0#

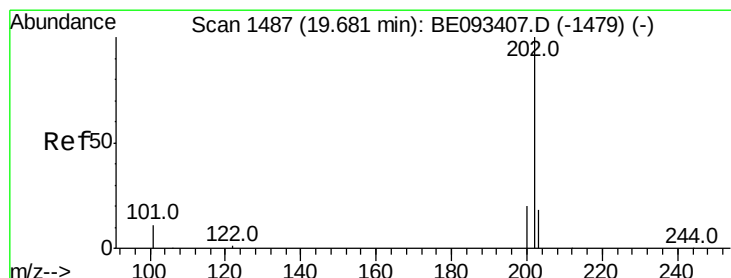
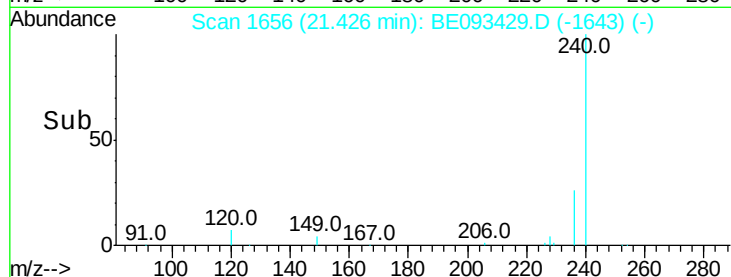
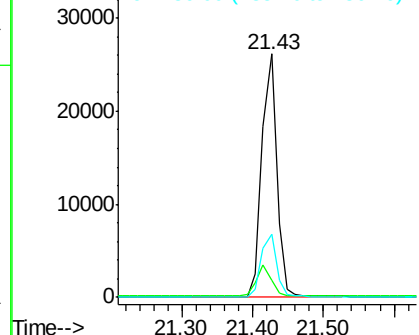
236 26.1 20.8 31.2



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



#28

Pyrene

Concen: 0.21 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

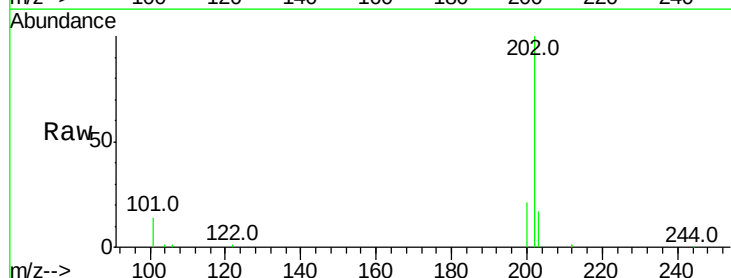
Tgt Ion:202 Resp: 21927

Ion Ratio Lower Upper

202 100

200 20.9 0.0 0.0#

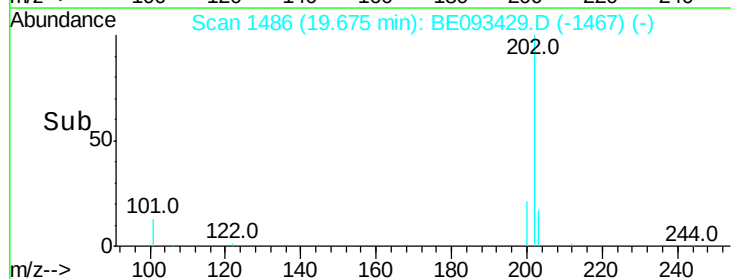
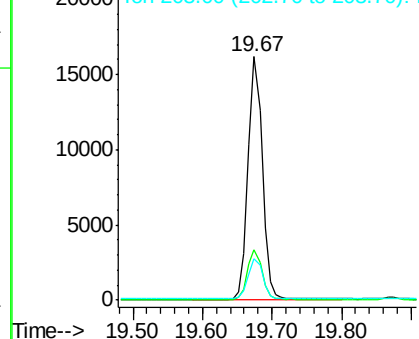
203 17.6 13.7 20.5



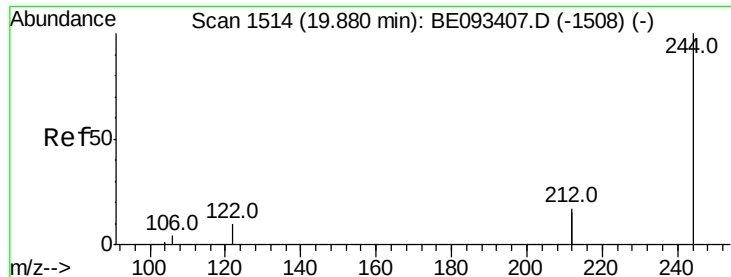
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.53 ng

RT: 19.87 min Scan# 1513

Delta R.T. -0.01 min

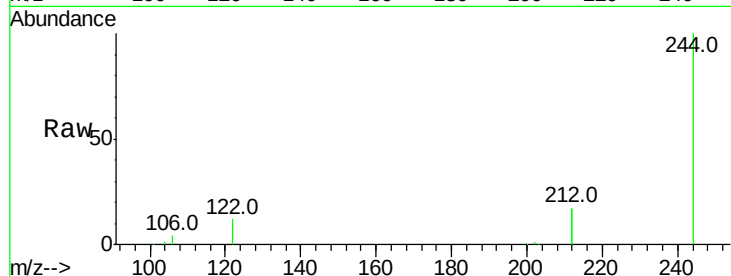
Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

ClientSampleId :



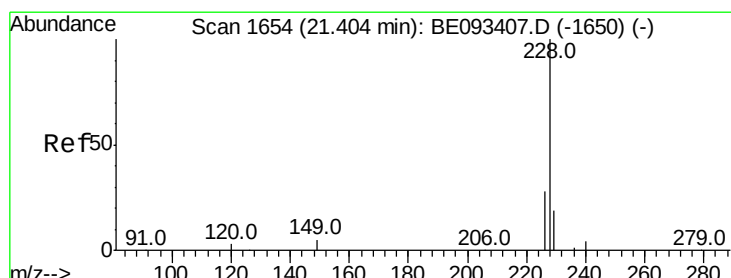
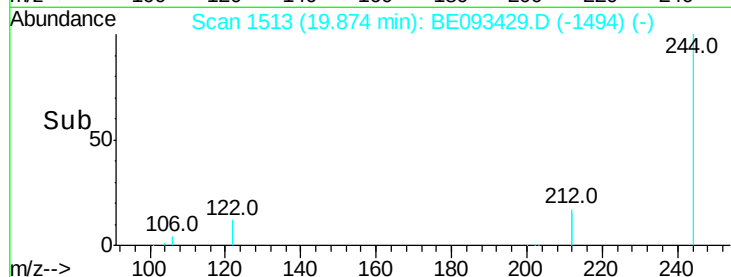
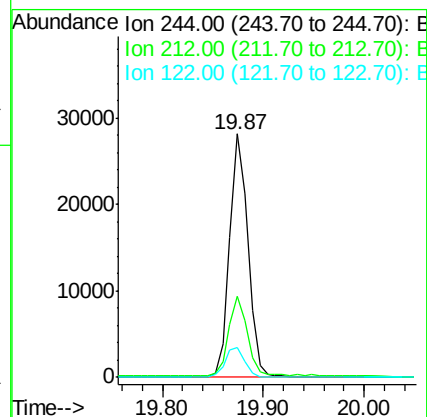
Tot Ion:244 Resp: 35345

Ion Ratio Lower Upper

244 100

212 33.5 10.6 16.0#

122 12.1 15.4 23.0#



#30

Benzo(a)anthracene

Concen: 0.20 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

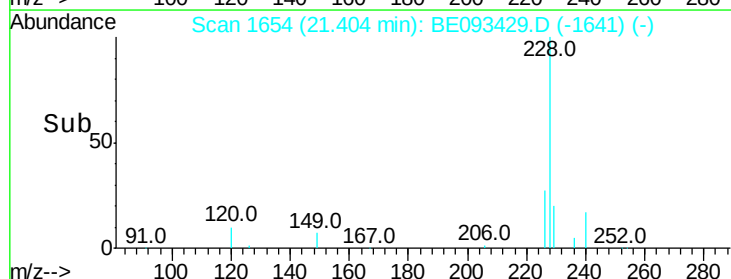
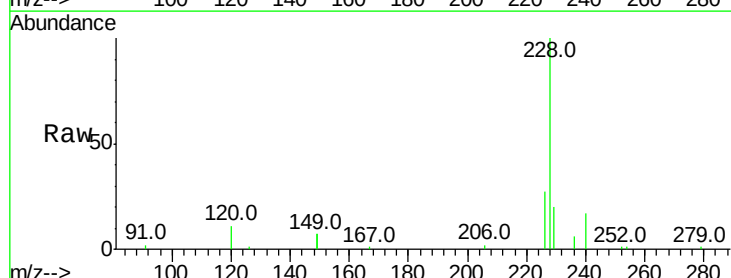
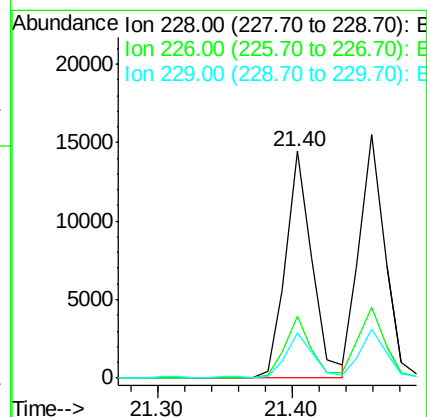
Tgt Ion:228 Resp: 19826

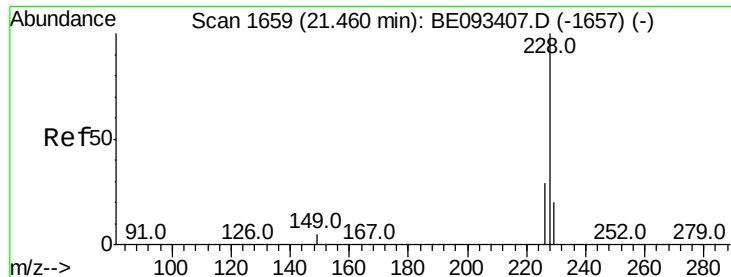
Ion Ratio Lower Upper

228 100

226 27.1 19.7 29.5

229 20.0 19.2 28.8





#31

Chrysene

Concen: 0.20 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

ClientSampleId :

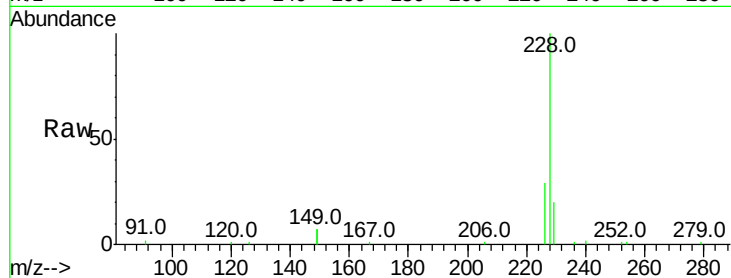
Tot Ion:228 Resp: 20752

Ion Ratio Lower Upper

228 100

226 28.8 21.5 32.3

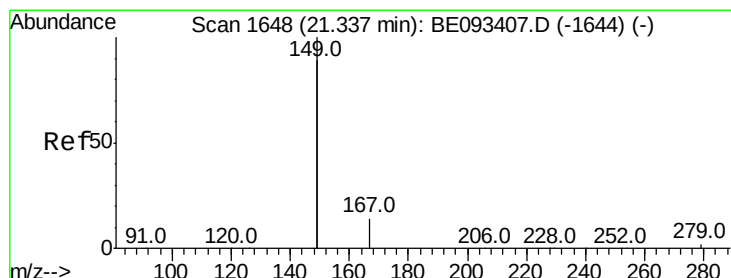
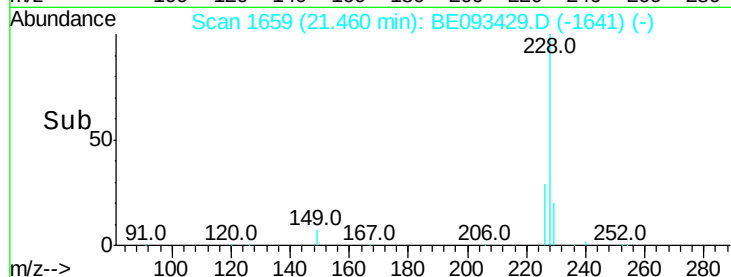
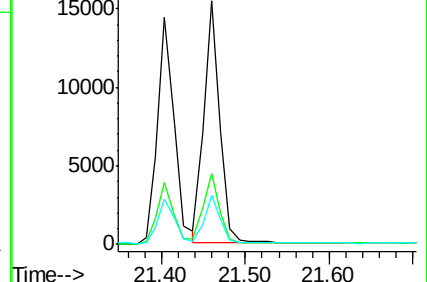
229 20.0 18.6 28.0



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: 0.20 ng

RT: 21.33 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

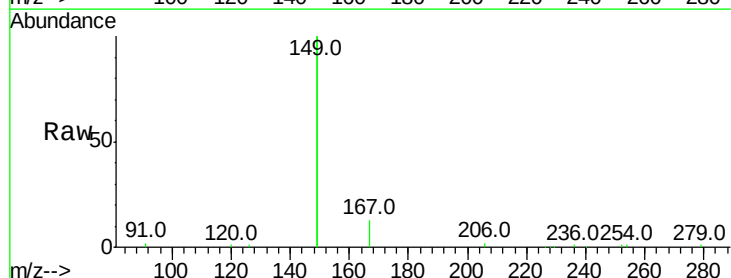
Tgt Ion:149 Resp: 29630

Ion Ratio Lower Upper

149 100

167 6.4 20.1 30.1#

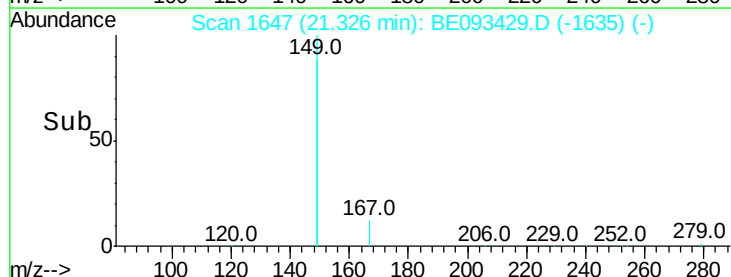
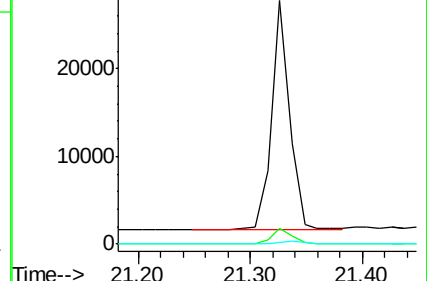
279 0.9 2.2 3.4#

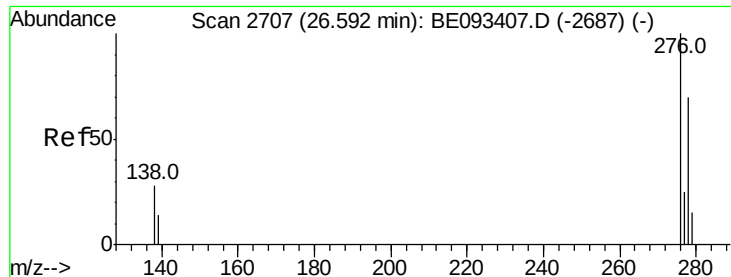


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.20 ng

RT: 26.58 min Scan# 2705

Delta R.T. -0.01 min

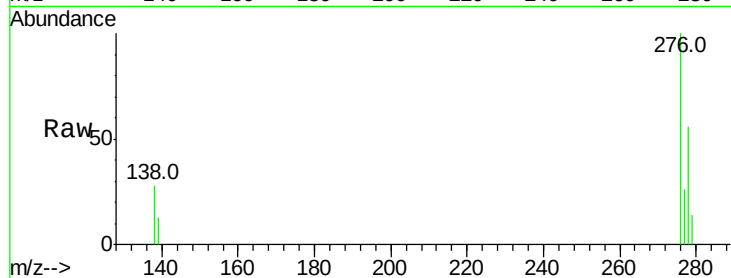
Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

ClientSampleId :



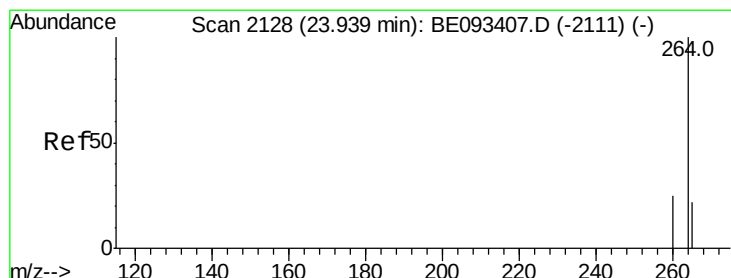
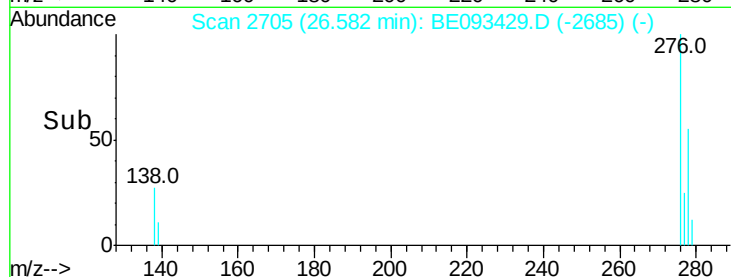
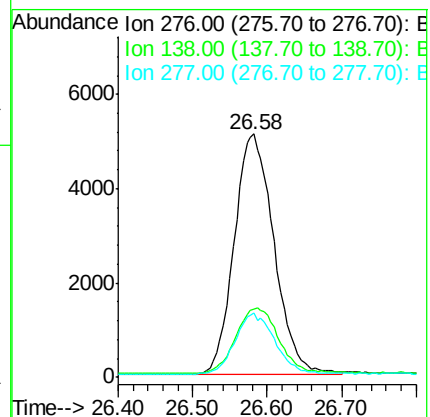
Tot Ion:276 Resp: 18838

Ion Ratio Lower Upper

276 100

138 29.7 27.4 41.2

277 25.2 20.1 30.1



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.93 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

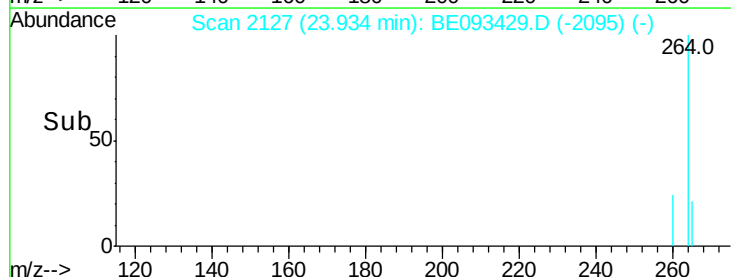
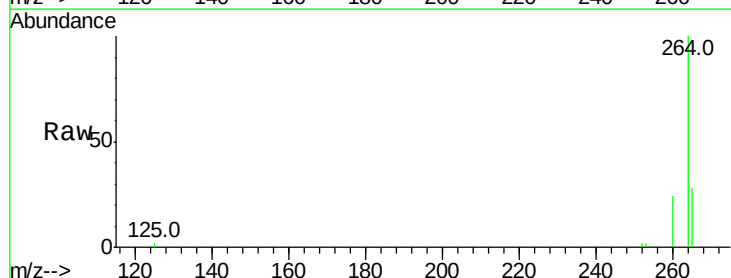
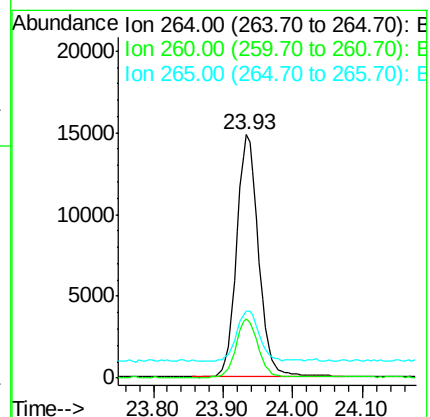
Tgt Ion:264 Resp: 32695

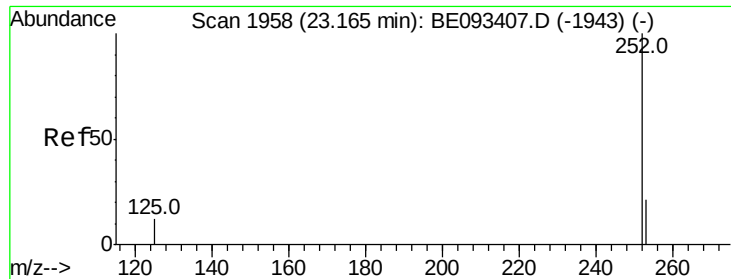
Ion Ratio Lower Upper

264 100

260 24.2 21.0 31.4

265 27.7 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.18 ng

RT: 23.16 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

ClientSampleId :

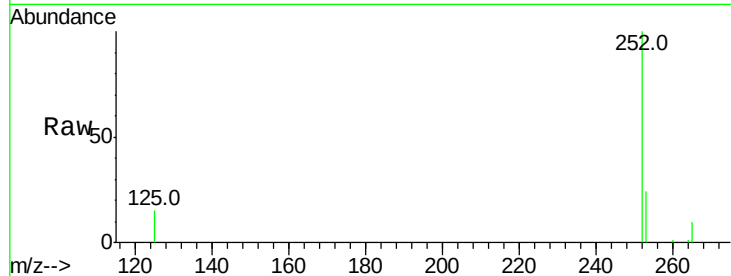
Tot Ion:252 Resp: 19349

Ion Ratio Lower Upper

252 100

253 24.2 18.5 27.7

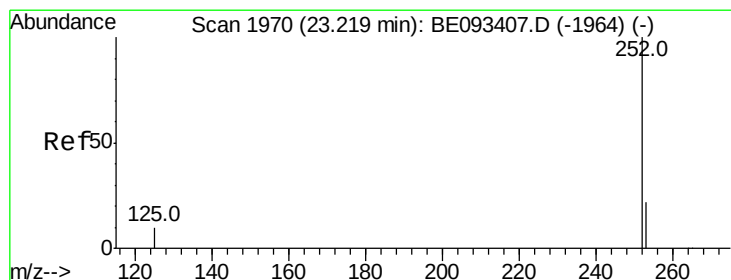
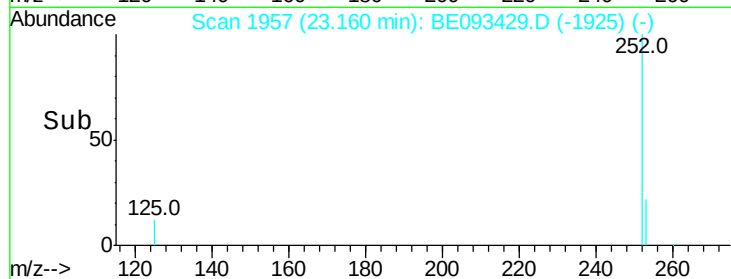
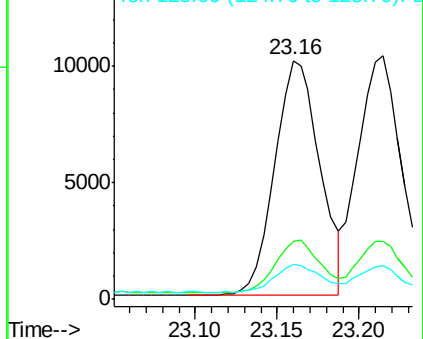
125 14.5 13.4 20.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.18 ng

RT: 23.21 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

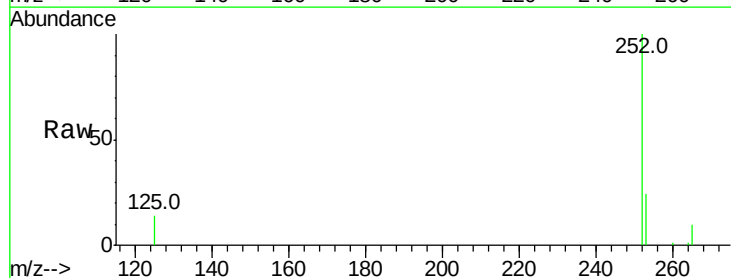
Tgt Ion:252 Resp: 19241

Ion Ratio Lower Upper

252 100

253 23.6 20.3 30.5

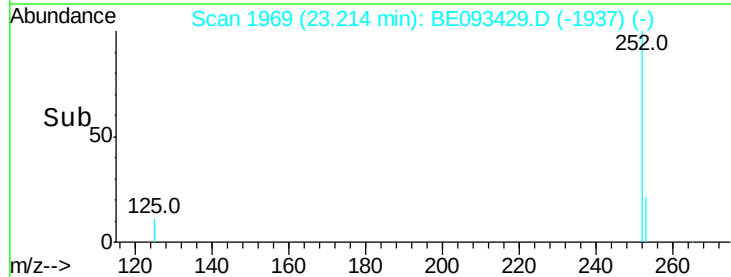
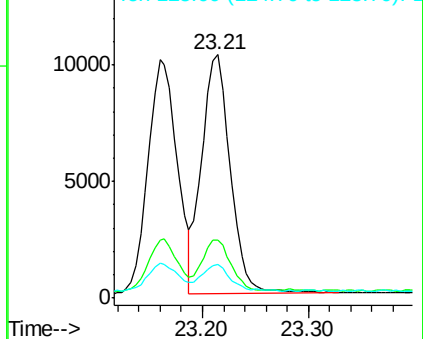
125 13.8 12.2 18.4

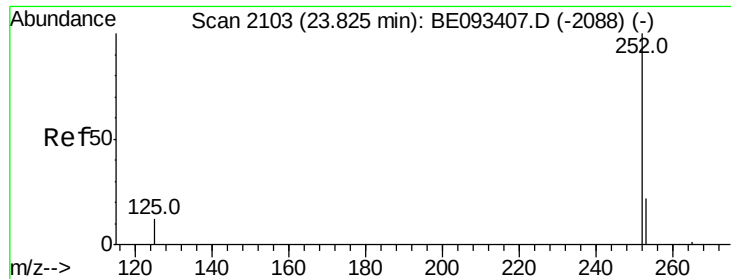


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

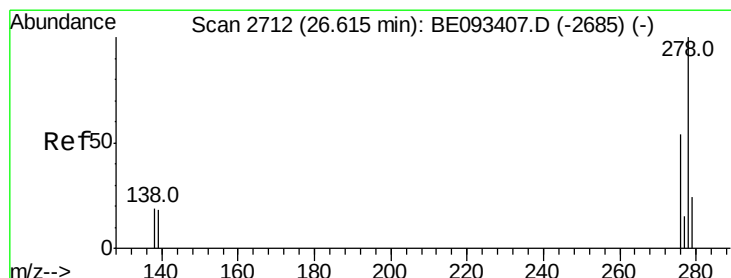
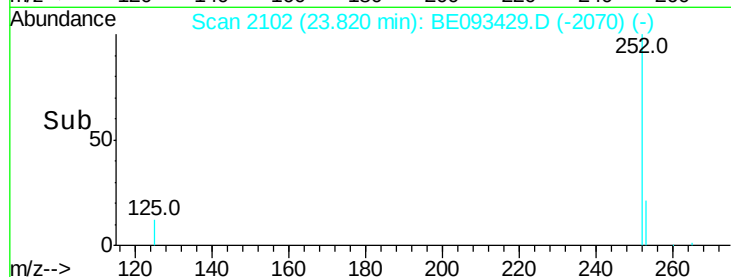
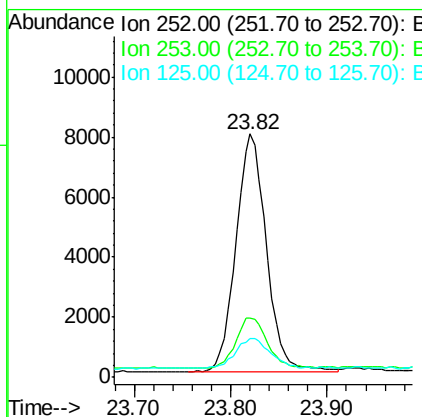
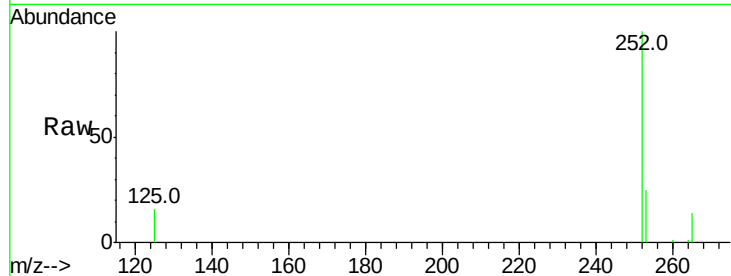




#37  
Benzo(a)pyrene  
Concen: 0.19 ng  
RT: 23.82 min Scan# 2102  
Delta R.T. -0.00 min  
Lab File: BE093429.D  
Acq: 6 Jul 2017 14:04

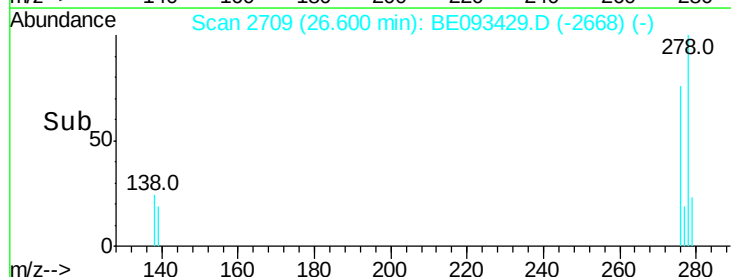
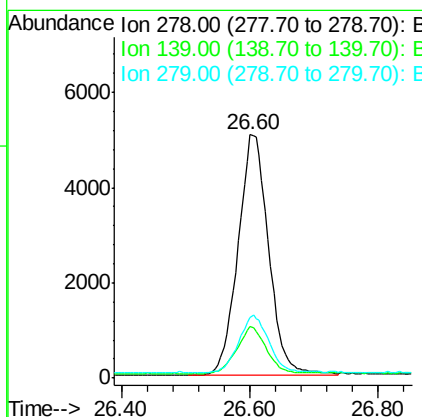
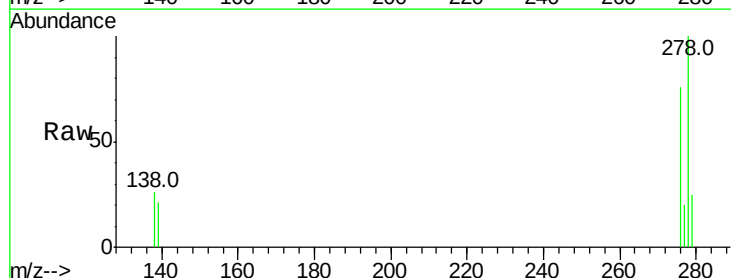
Instrument :  
BNA\_E  
ClientSampleId :

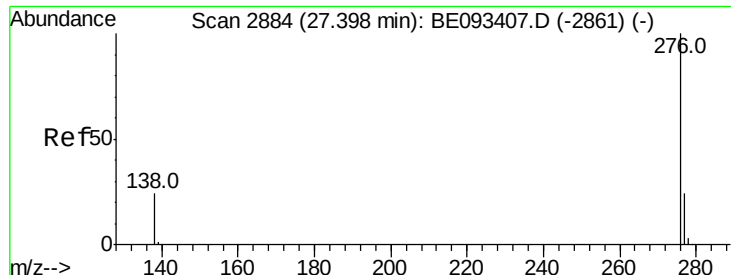
Tot Ion:252 Resp: 17406  
Ion Ratio Lower Upper  
252 100  
253 24.6 19.9 29.9  
125 15.7 14.6 21.8



#38  
Dibenzo(a,h)anthracene  
Concen: 0.19 ng  
RT: 26.60 min Scan# 2709  
Delta R.T. -0.01 min  
Lab File: BE093429.D  
Acq: 6 Jul 2017 14:04

Tgt Ion:278 Resp: 16839  
Ion Ratio Lower Upper  
278 100  
139 21.1 21.4 32.0#  
279 25.1 22.2 33.2





#39

Benzo(a,h,i)perylene

Concen: 0.19 ng

RT: 27.40 min Scan# 2884

Delta R.T. -0.00 min

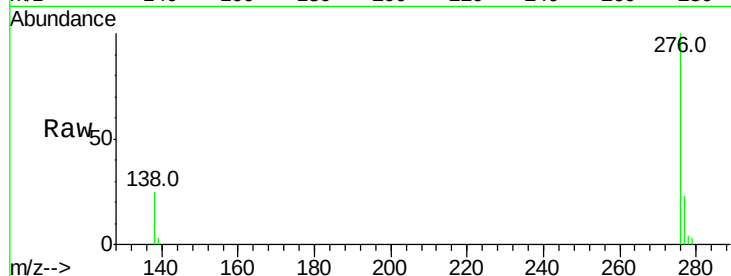
Lab File: BE093429.D

Acq: 6 Jul 2017 14:04

Instrument :

BNA\_E

ClientSampleId :



Tot Ion:276 Resp: 17359

Ion Ratio Lower Upper

276 100

277 23.3 21.2 31.8

138 25.3 24.5 36.7

Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 277.00 (276.70 to 277.70): E  
Ion 138.00 (137.70 to 138.70): E

