

Data Path : Z:\HPCHEM1\BNA\_E\Data\BE103116\  
 Data File : BE092488.D  
 Acq On : 31 Oct 2016 20:59  
 Operator : UM/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: Nov 01 11:16:20 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 25 15:25:33 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 13931    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.95 | 136  | 69050    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.82 | 164  | 44604    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.58 | 188  | 79331    | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12          | 21.75 | 240  | 100991   | 5.00 | ng    | 0.00     |
| 31) Perylene-d12          | 24.12 | 264  | 86544    | 5.00 | ng    | 0.01     |

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| System Monitoring Compounds |       |     |      |      |    |       |
| 4) 2-Fluorophenol           | 5.68  | 112 | 1405 | 0.62 | ng | -0.01 |
| 5) Phenol-d6                | 7.34  | 99  | 2087 | 0.63 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 9.34  | 82  | 1903 | 0.55 | ng | -0.02 |
| 13) 2,4,6-Tribromophenol    | 16.31 | 330 | 556  | 0.58 | ng | -0.01 |
| 14) 2-Fluorobiphenyl        | 13.43 | 172 | 4612 | 0.42 | ng | -0.01 |
| 26) Terphenyl-d14           | 20.17 | 244 | 5682 | 0.45 | ng | -0.02 |

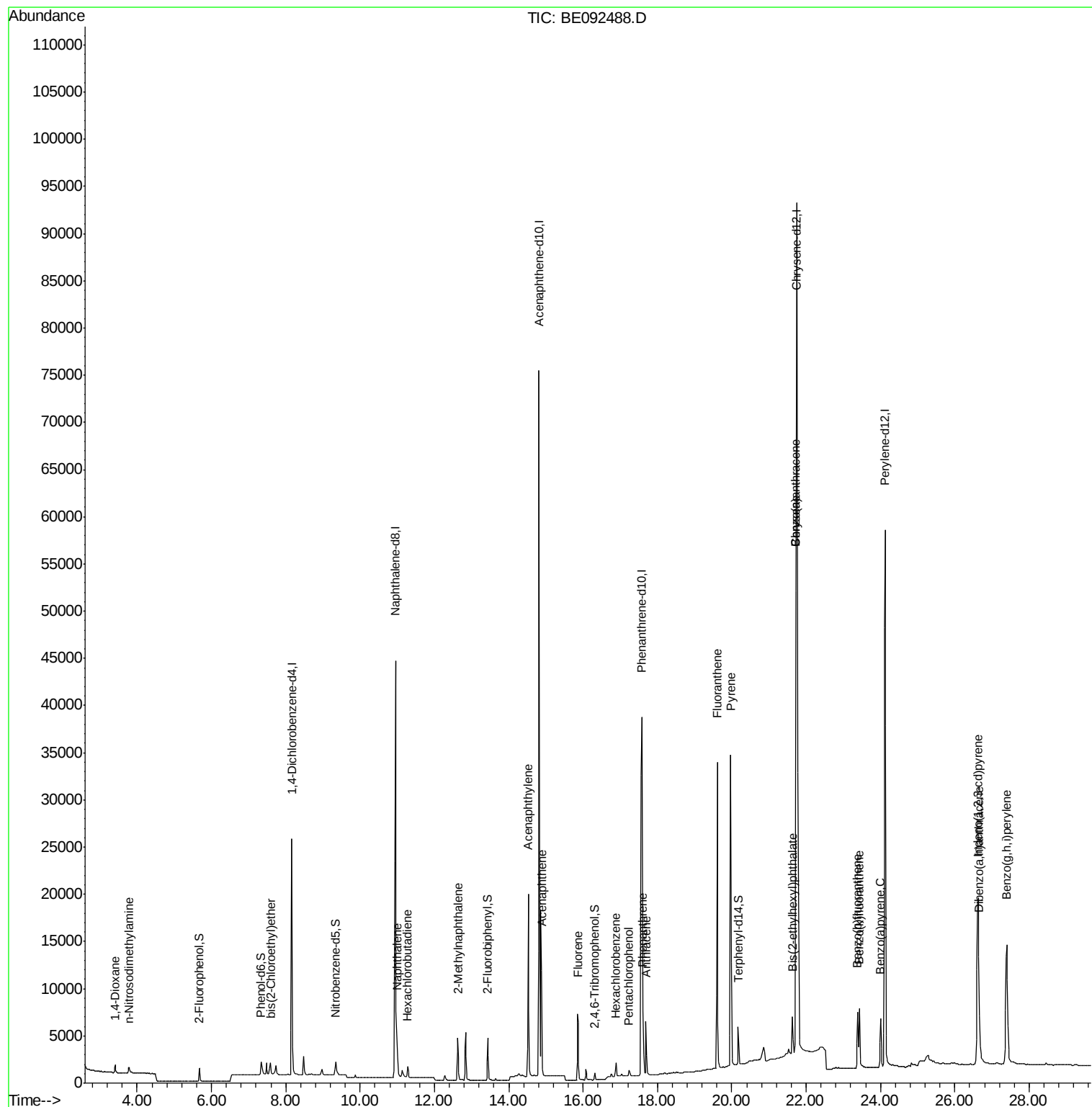
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.41  | 88  | 618   | 0.32   | ng | 98   |
| 3) n-Nitrosodimethylamine      | 3.77  | 42  | 803   | 0.53   | ng | 95   |
| 6) bis(2-Chloroethyl)ether     | 7.59  | 93  | 1613  | 0.50   | ng | # 28 |
| 9) Naphthalene                 | 10.99 | 128 | 5862  | 0.39   | ng | 97   |
| 10) Hexachlorobutadiene        | 11.28 | 225 | 935   | 0.41   | ng | 99   |
| 11) 2-Methylnaphthalene        | 12.62 | 142 | 3789  | 0.39   | ng | 94   |
| 15) Acenaphthylene             | 14.53 | 152 | 26314 | 0.41   | ng | 100  |
| 16) Acenaphthene               | 14.88 | 154 | 4112  | 0.40   | ng | 99   |
| 17) Fluorene                   | 15.87 | 166 | 5057  | 0.42   | ng | 98   |
| 19) Hexachlorobenzene          | 16.89 | 284 | 1509  | 0.43   | ng | # 65 |
| 20) Pentachlorophenol          | 17.23 | 266 | 676   | 0.93   | ng | # 86 |
| 21) Phenanthrene               | 17.60 | 178 | 8107  | 0.40   | ng | # 95 |
| 22) Anthracene                 | 17.70 | 178 | 8321  | 0.45   | ng | 98   |
| 23) Fluoranthene               | 19.61 | 202 | 38871 | 0.48   | ng | 93   |
| 25) Pyrene                     | 19.97 | 202 | 39977 | 0.45   | ng | 96   |
| 27) Benzo(a)anthracene         | 21.72 | 228 | 77460 | 0.83   | ng | 95   |
| 28) Chrysene                   | 21.72 | 228 | 77701 | 0.79   | ng | # 75 |
| 29) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 5761  | 0.72   | ng | # 74 |
| 30) Indeno(1,2,3-cd)pyrene     | 26.62 | 276 | 40156 | 0.46   | ng | 97   |
| 32) Benzo(b)fluoranthene       | 23.38 | 252 | 8545  | 0.40   | ng | # 89 |
| 33) Benzo(k)fluoranthene       | 23.43 | 252 | 9427  | 0.44   | ng | # 82 |
| 34) Benzo(a)pyrene             | 24.01 | 252 | 8576  | 0.44   | ng | # 89 |
| 35) Dibenzo(a,h)anthracene     | 26.65 | 278 | 8150  | 0.45   | ng | # 92 |
| 36) Benzo(g,h,i)perylene       | 27.40 | 276 | 33667 | 0.43   | ng | # 91 |

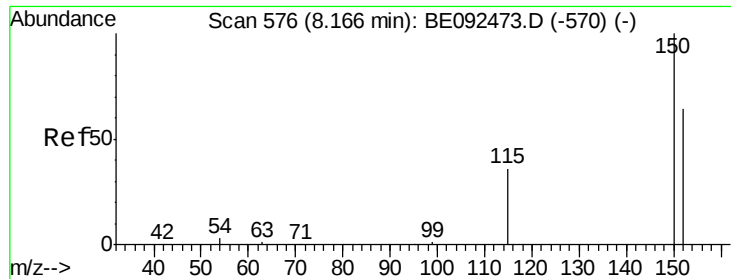
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 25 15:25:33 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

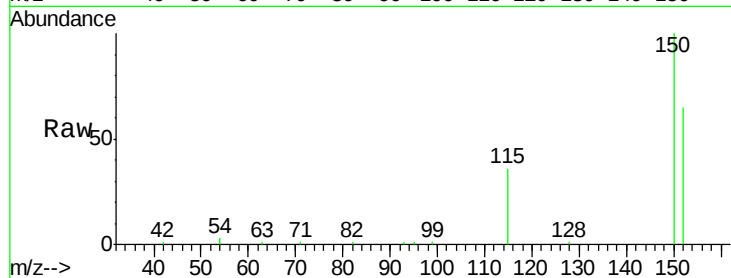
Tgt Ion:152 Resp: 13931

Ion Ratio Lower Upper

152 100

150 153.7 106.0 159.0

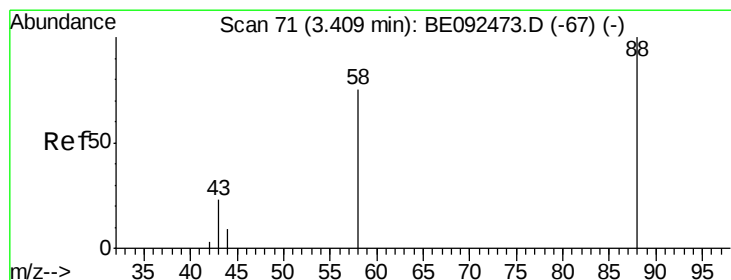
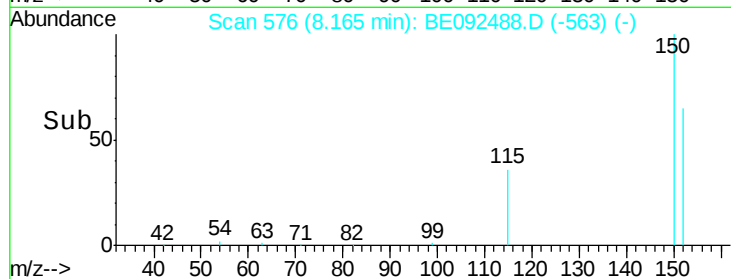
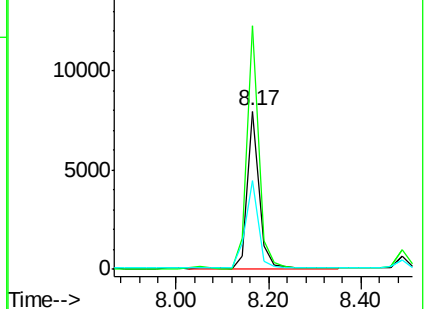
115 56.0 31.2 46.8#



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: 0.32 ng

RT: 3.41 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

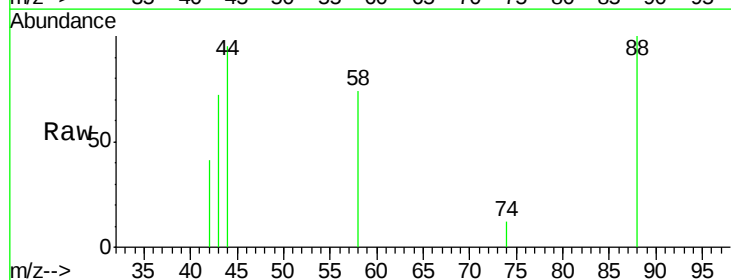
Tgt Ion: 88 Resp: 618

Ion Ratio Lower Upper

88 100

58 79.4 63.6 95.4

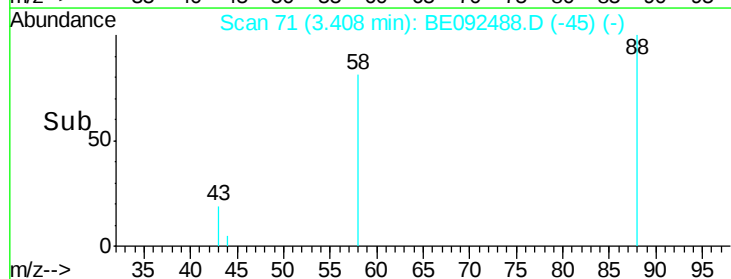
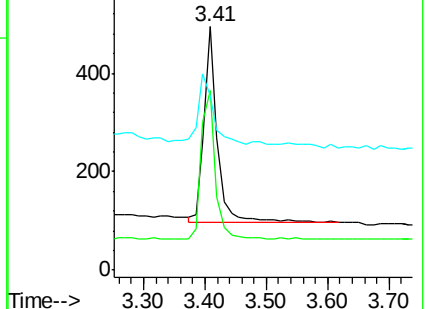
43 38.3 28.0 42.0

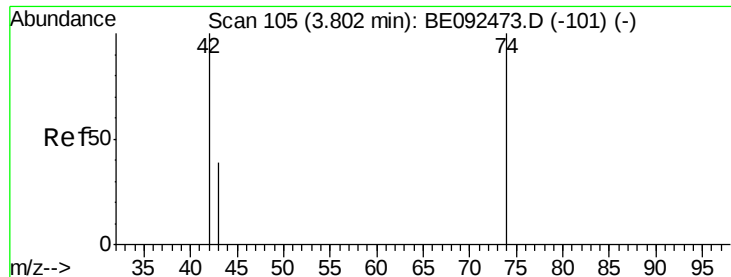


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.53 ng

RT: 3.77 min Scan# 102

Delta R.T. -0.04 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

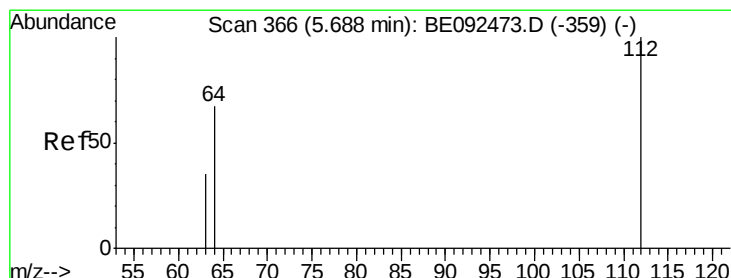
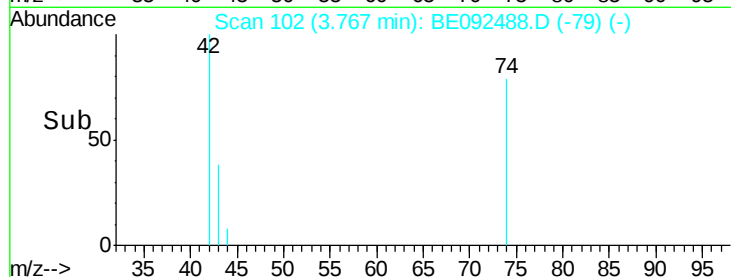
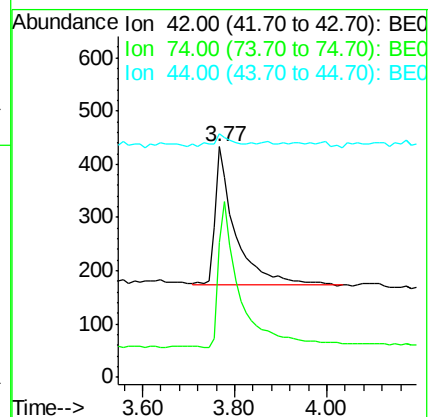
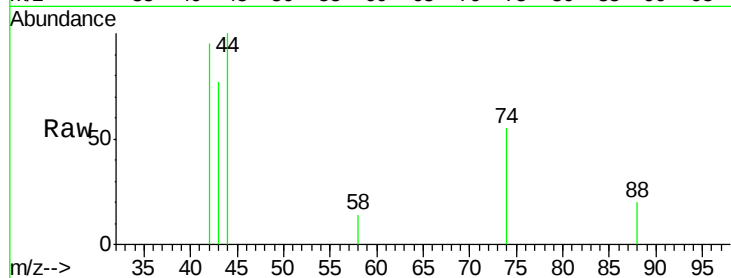
Tgt Ion: 42 Resp: 803

Ion Ratio Lower Upper

42 100

74 112.3 86.0 129.0

44 7.2 5.1 7.7



#4

2-Fluorophenol

Concen: 0.62 ng

RT: 5.68 min Scan# 364

Delta R.T. -0.01 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

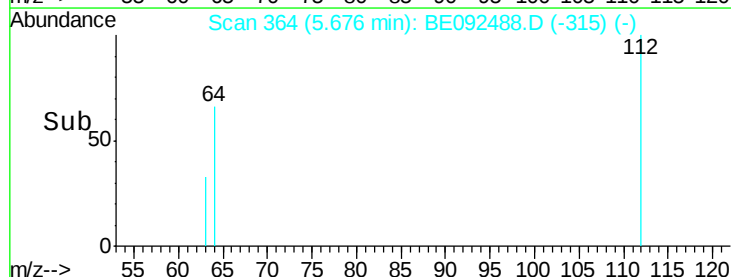
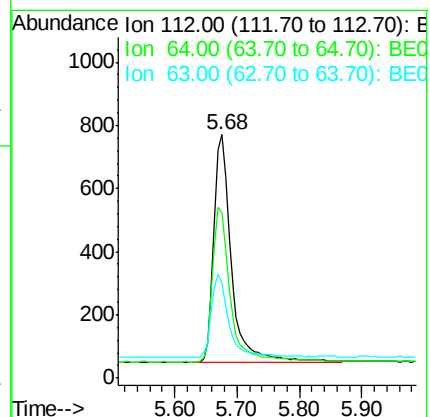
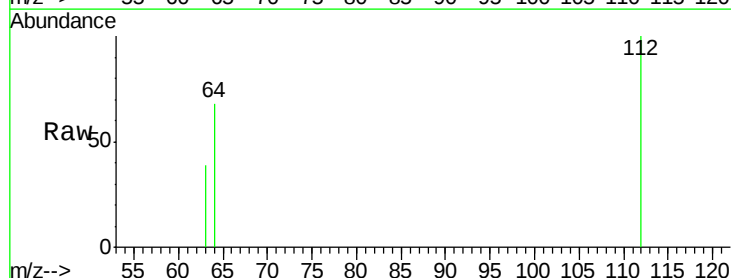
Tgt Ion: 112 Resp: 1405

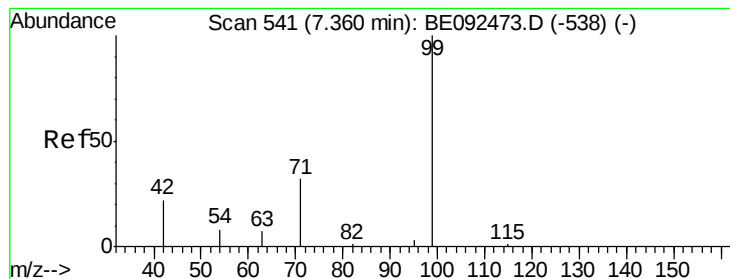
Ion Ratio Lower Upper

112 100

64 68.1 53.5 80.3

63 36.1 27.9 41.9





#5

Phenol-d6

Concen: 0.63 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

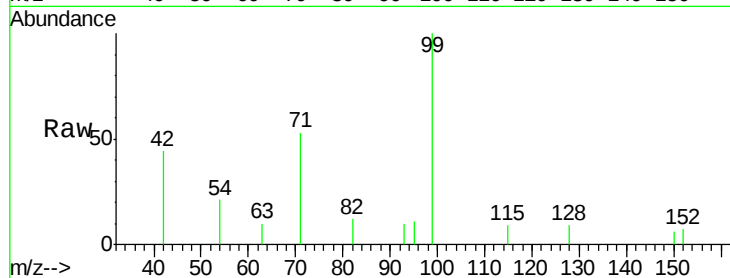
Tgt Ion: 99 Resp: 2087

Ion Ratio Lower Upper

99 100

42 23.6 16.0 24.0

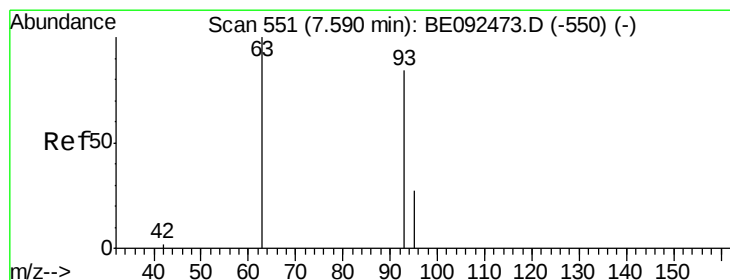
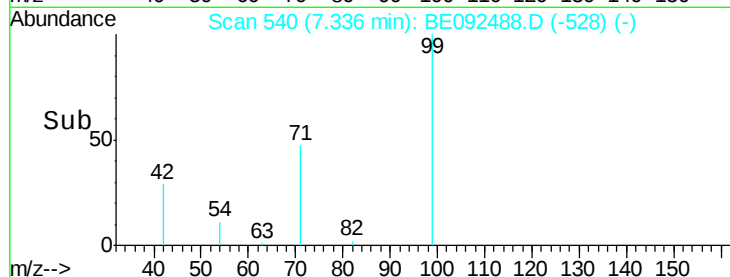
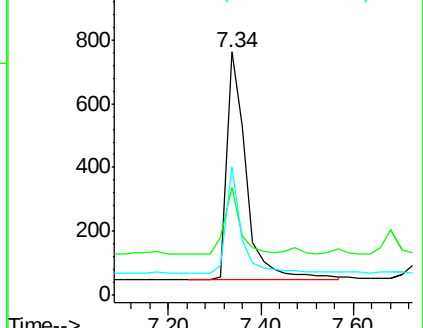
71 37.1 30.6 45.8



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: 0.50 ng

RT: 7.59 min Scan# 551

Delta R.T. -0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

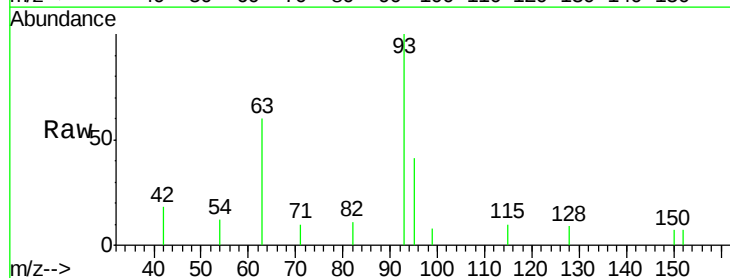
Tgt Ion: 93 Resp: 1613

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

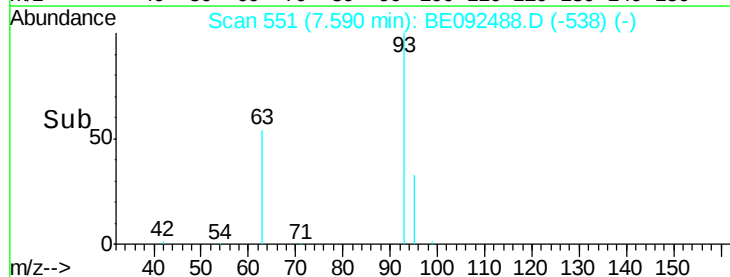
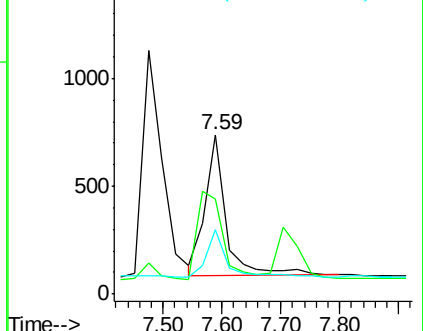
95 30.6 24.0 36.0

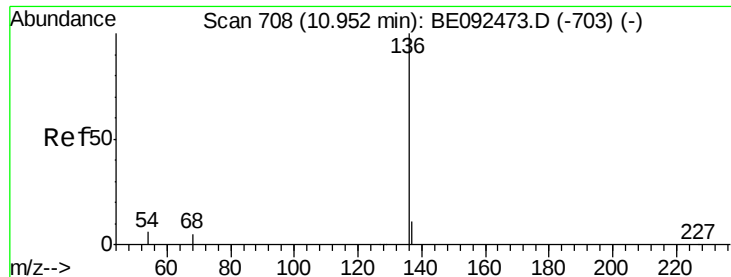


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:136 Resp: 69050

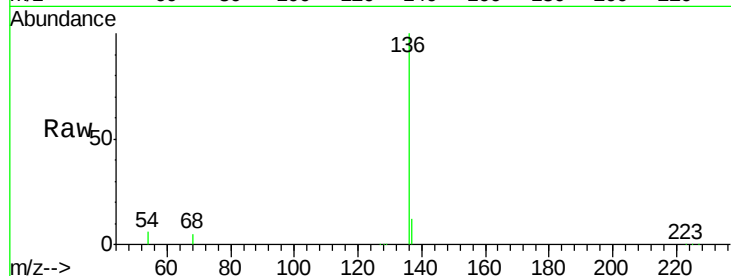
Ion Ratio Lower Upper

136 100

137 11.6 8.2 12.4

54 5.7 9.6 14.4#

68 4.6 6.7 10.1#

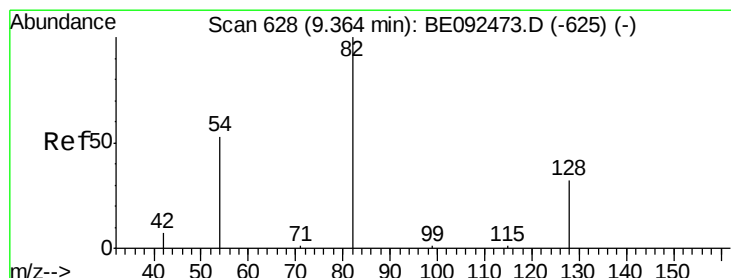
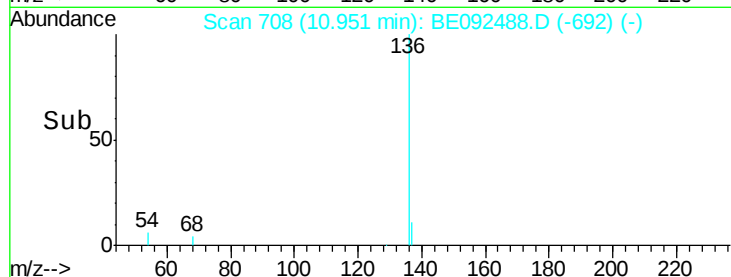
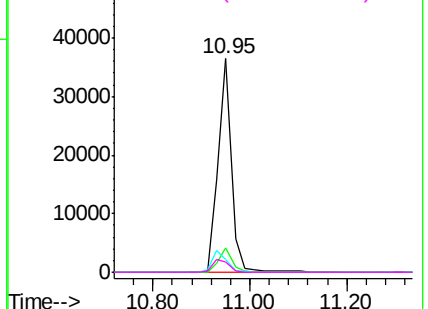


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.55 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

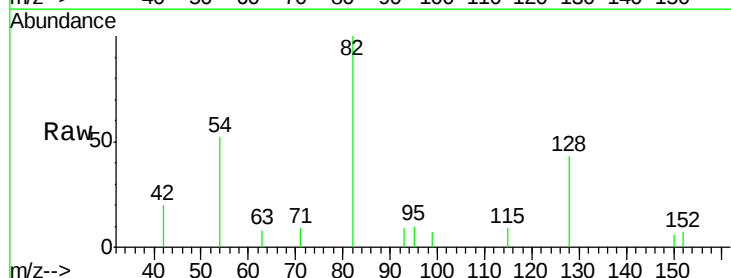
Tgt Ion: 82 Resp: 1903

Ion Ratio Lower Upper

82 100

128 43.2 39.0 58.4

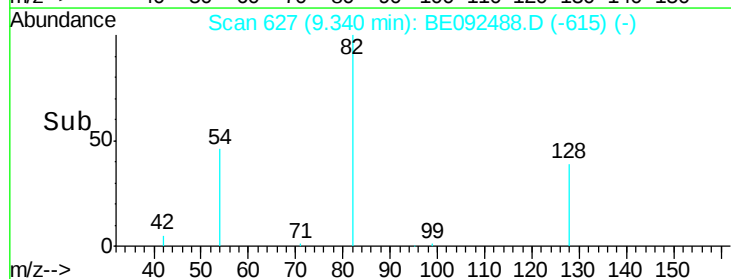
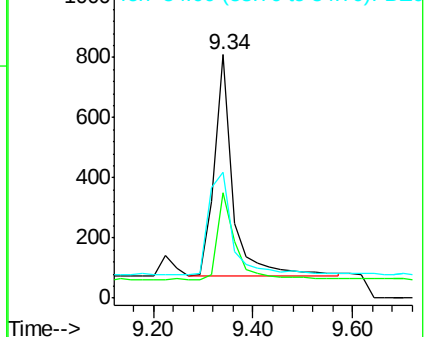
54 52.0 44.8 67.2

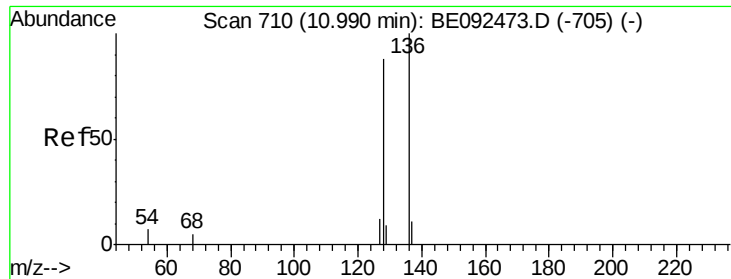


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.39 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

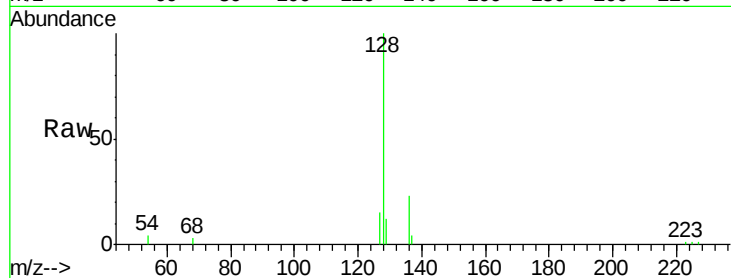
Tgt Ion:128 Resp: 5862

Ion Ratio Lower Upper

128 100

129 12.0 11.2 16.8

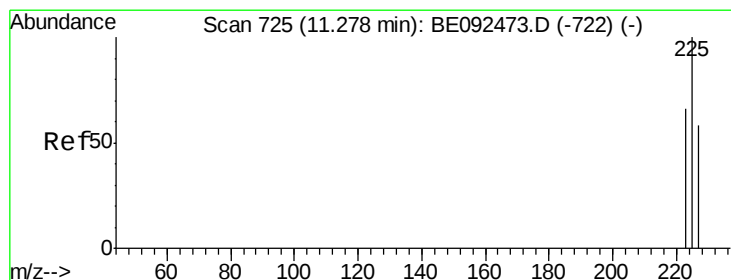
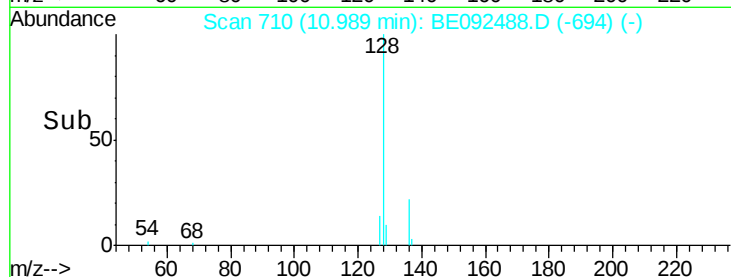
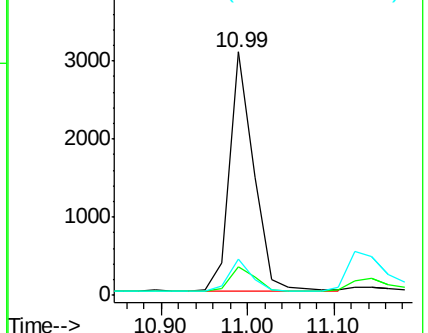
127 15.0 11.6 17.4



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: 0.41 ng

RT: 11.28 min Scan# 725

Delta R.T. -0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

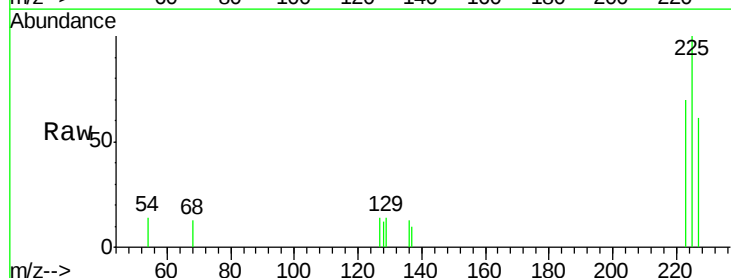
Tgt Ion:225 Resp: 935

Ion Ratio Lower Upper

225 100

223 62.8 50.6 76.0

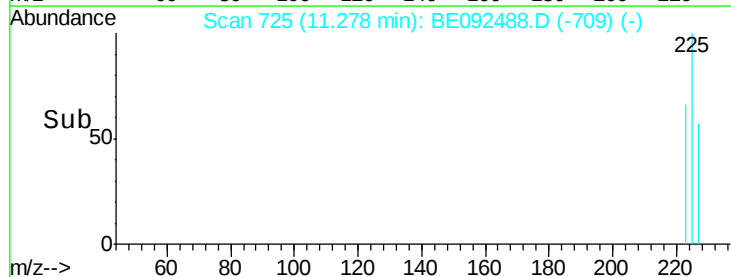
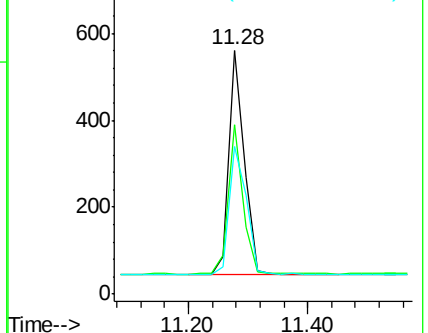
227 63.2 51.4 77.0

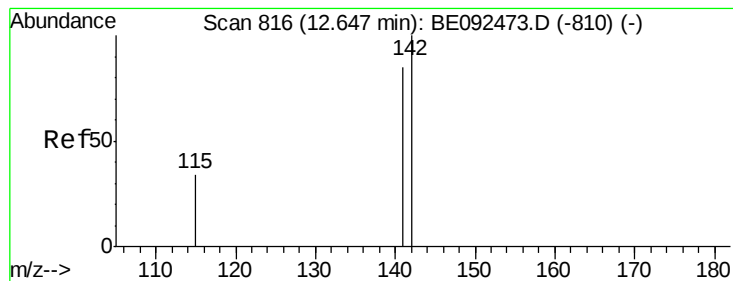


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 0.39 ng

RT: 12.62 min Scan# 814

Delta R.T. -0.02 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

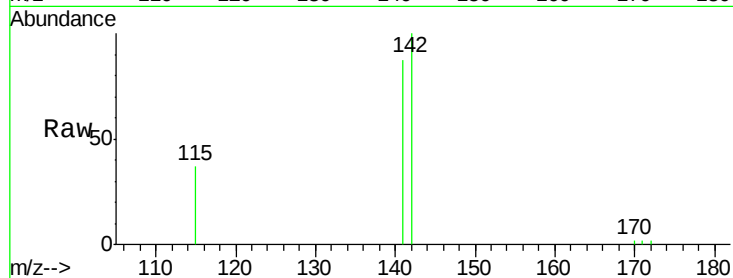
Tgt Ion:142 Resp: 3789

Ion Ratio Lower Upper

142 100

141 87.5 73.7 110.5

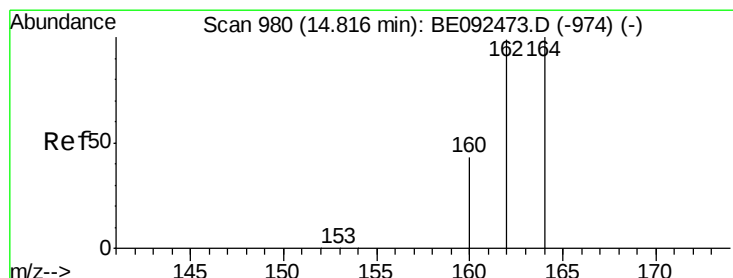
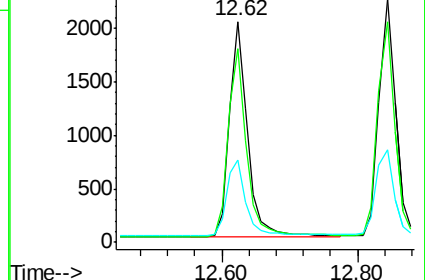
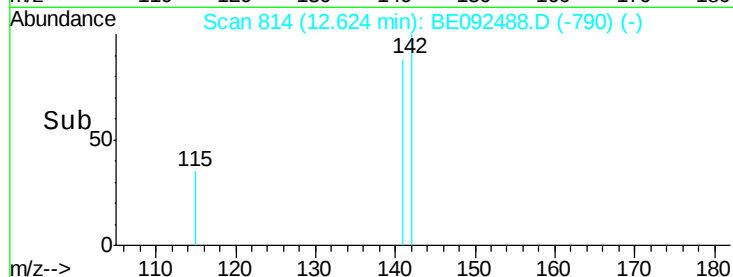
115 37.0 34.0 51.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.82 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

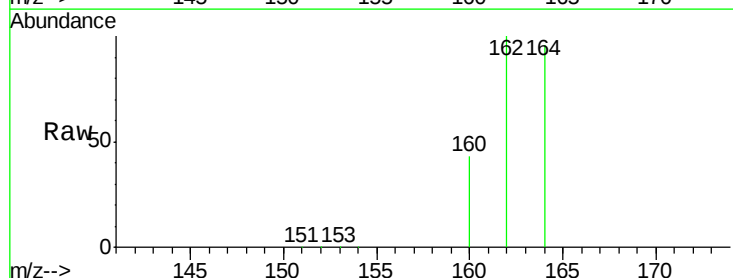
Tgt Ion:164 Resp: 44604

Ion Ratio Lower Upper

164 100

162 104.4 71.4 107.0

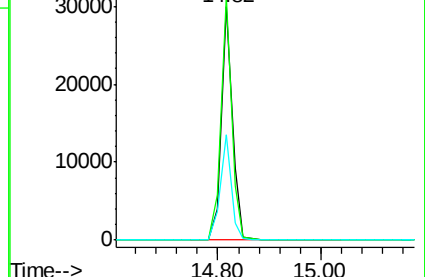
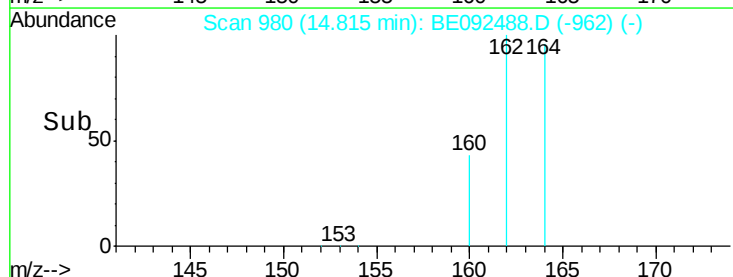
160 45.2 27.4 41.2#

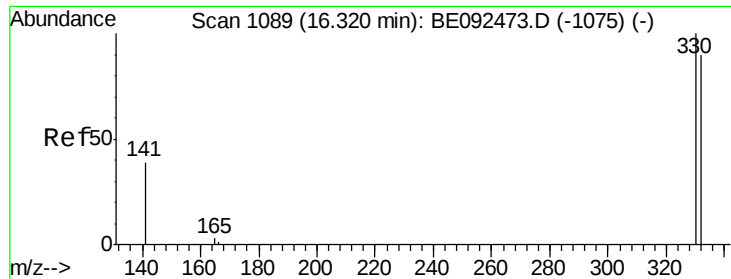


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

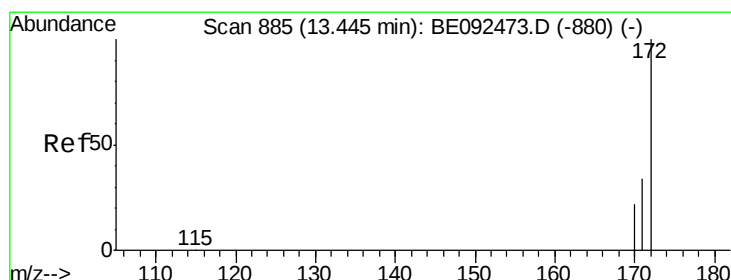
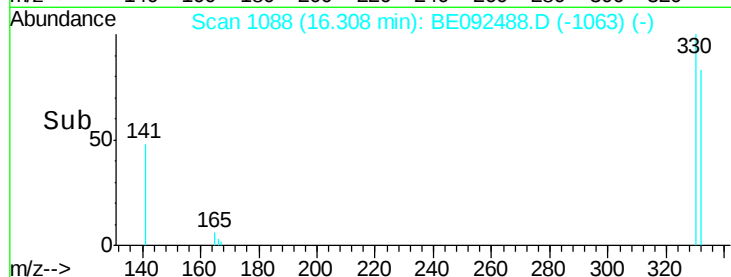
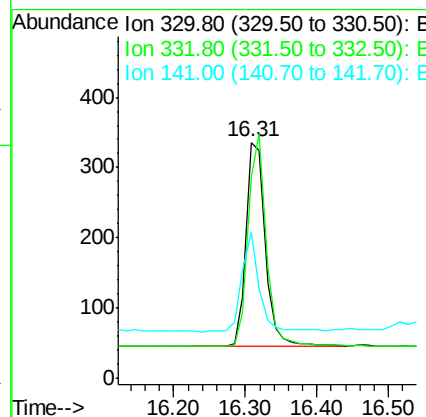
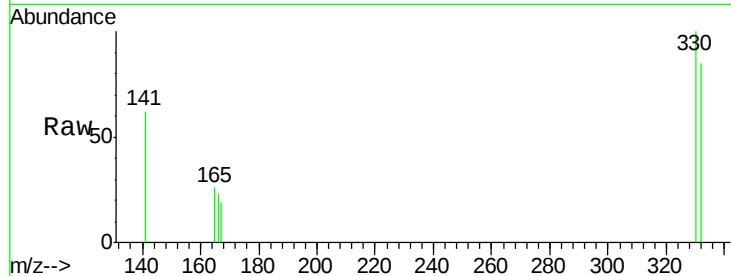




#13  
 2,4,6-Tribromophenol  
 Concen: 0.58 ng  
 RT: 16.31 min Scan# 1088  
 Delta R.T. -0.01 min  
 Lab File: BE092488.D  
 Acq: 31 Oct 2016 20:59

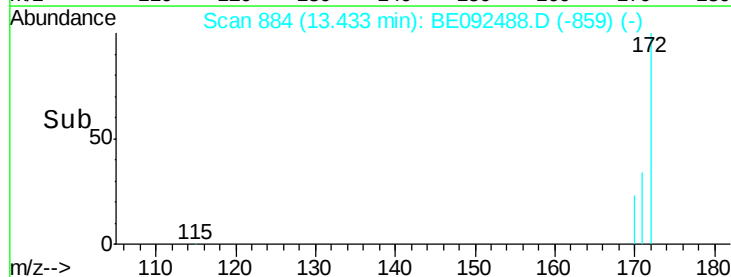
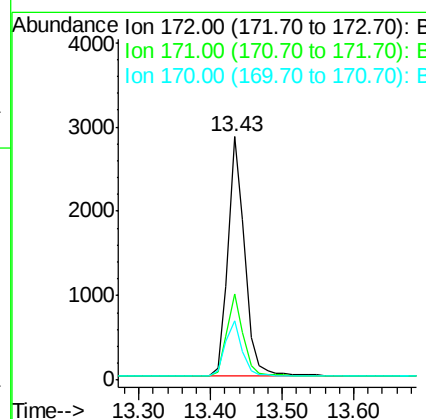
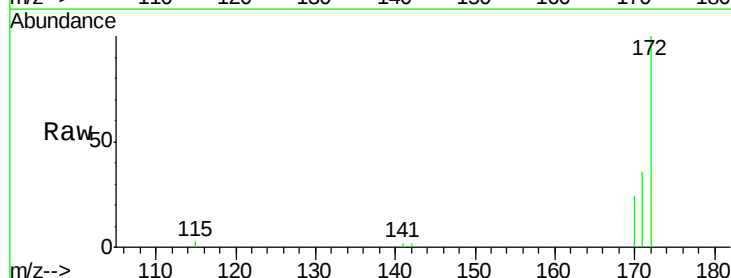
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

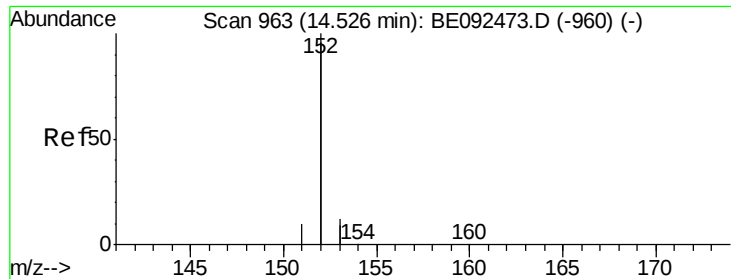
Tgt Ion: 330 Resp: 556  
 Ion Ratio Lower Upper  
 330 100  
 332 102.2 75.4 113.0  
 141 44.1 31.0 46.6



#14  
 2-Fluorobiphenyl  
 Concen: 0.42 ng  
 RT: 13.43 min Scan# 884  
 Delta R.T. -0.01 min  
 Lab File: BE092488.D  
 Acq: 31 Oct 2016 20:59

Tgt Ion: 172 Resp: 4612  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 30.1 45.1  
 170 24.5 21.8 32.6

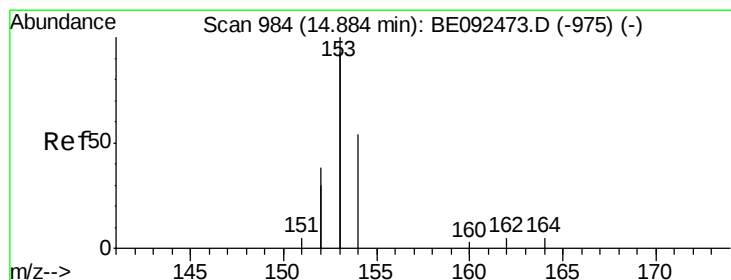
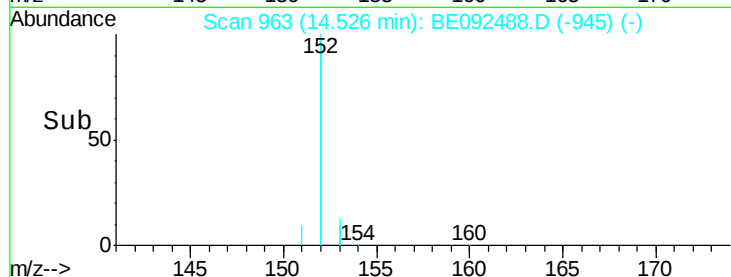
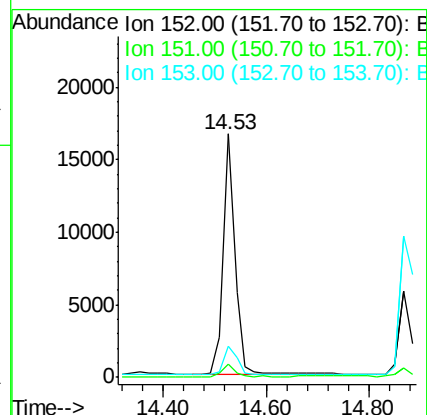
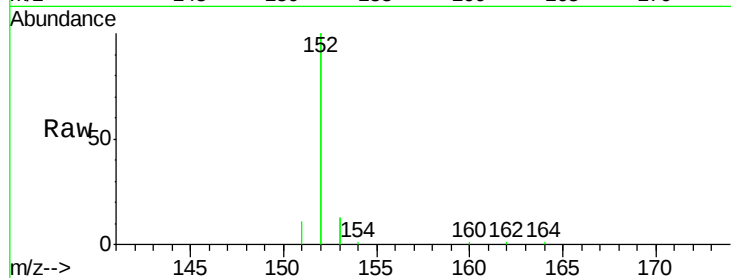




#15  
Acenaphthylene  
Concen: 0.41 ng  
RT: 14.53 min Scan# 963  
Delta R.T. -0.00 min  
Lab File: BE092488.D  
Acq: 31 Oct 2016 20:59

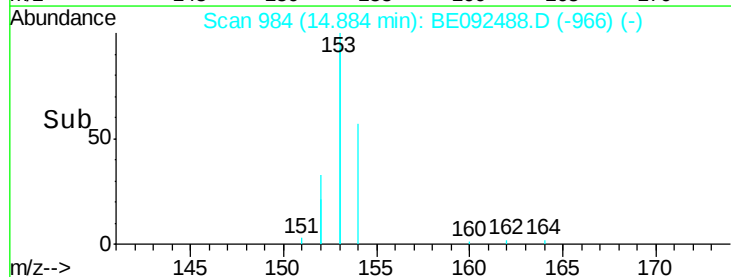
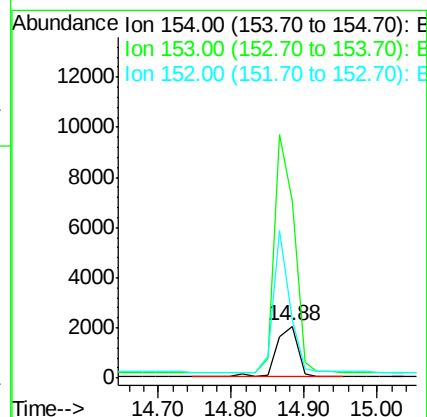
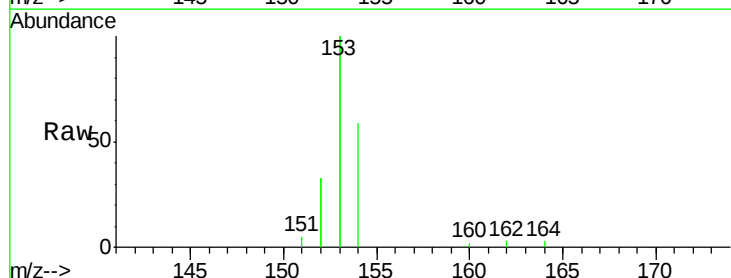
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

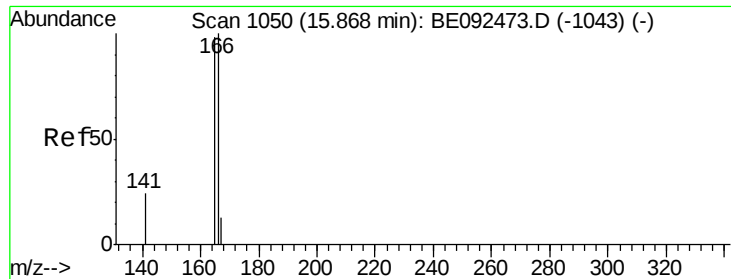
Tgt Ion:152 Resp: 26314  
Ion Ratio Lower Upper  
152 100  
151 5.0 3.9 5.9  
153 13.1 10.4 15.6



#16  
Acenaphthene  
Concen: 0.40 ng  
RT: 14.88 min Scan# 984  
Delta R.T. -0.00 min  
Lab File: BE092488.D  
Acq: 31 Oct 2016 20:59

Tgt Ion:154 Resp: 4112  
Ion Ratio Lower Upper  
154 100  
153 435.5 350.8 526.2  
152 214.9 171.1 256.7





#17

Fluorene

Concen: 0.42 ng

RT: 15.87 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

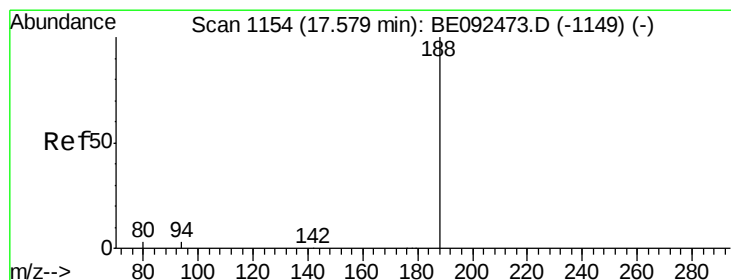
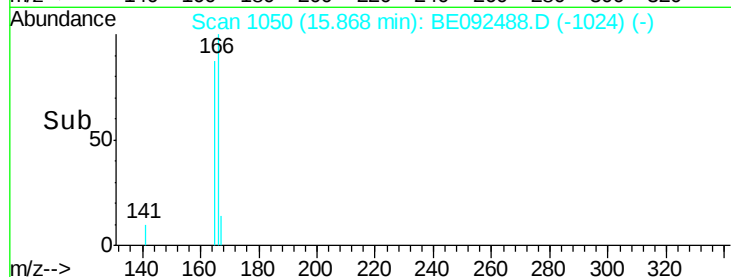
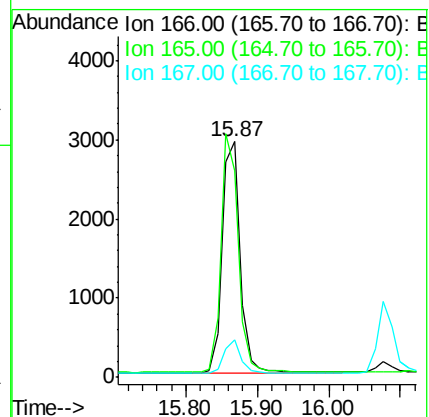
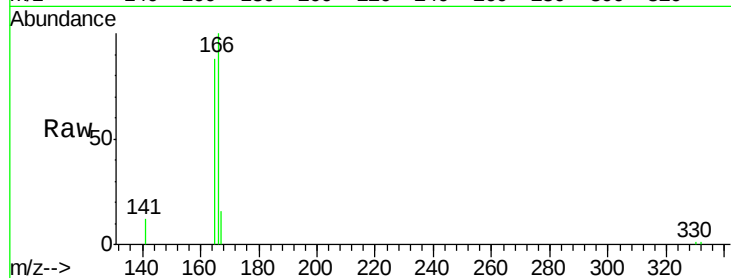
Tgt Ion:166 Resp: 5057

Ion Ratio Lower Upper

166 100

165 99.5 78.2 117.4

167 13.4 11.0 16.4



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

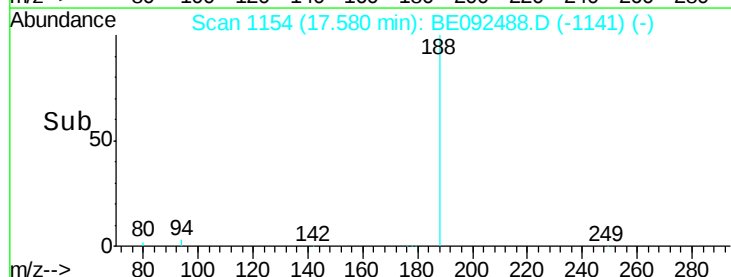
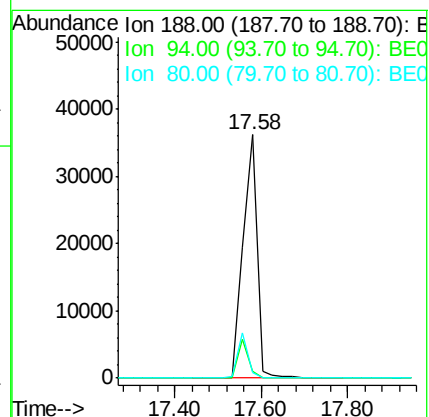
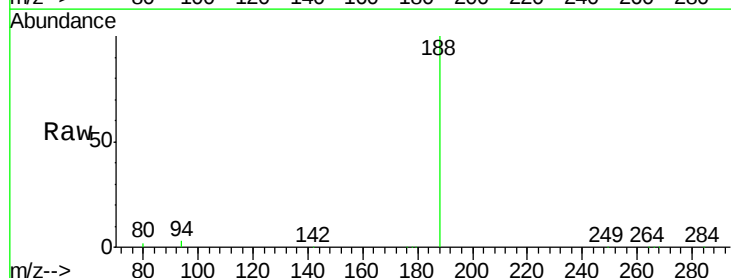
Tgt Ion:188 Resp: 79331

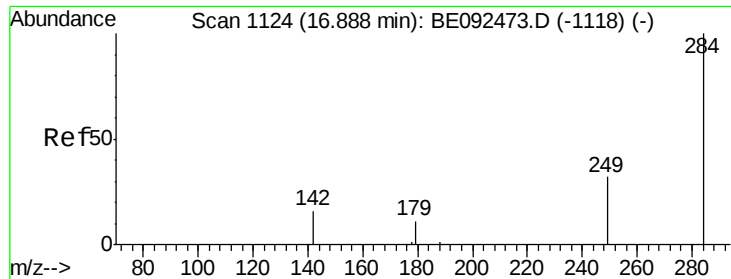
Ion Ratio Lower Upper

188 100

94 2.9 3.2 4.8#

80 2.4 2.6 3.8#

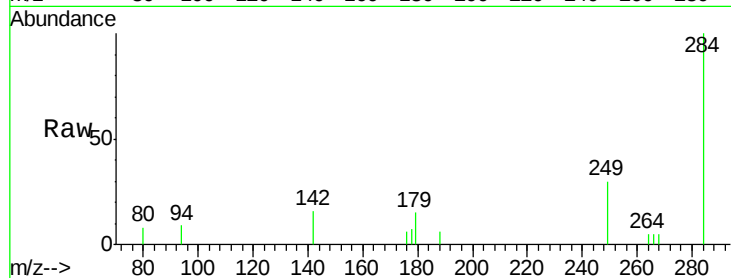




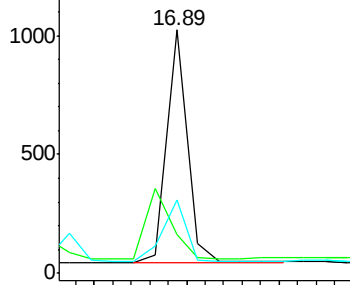
#19  
Hexachlorobenzene  
Concen: 0.43 ng  
RT: 16.89 min Scan# 1124  
Delta R.T. 0.00 min  
Lab File: BE092488.D  
Acq: 31 Oct 2016 20:59

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

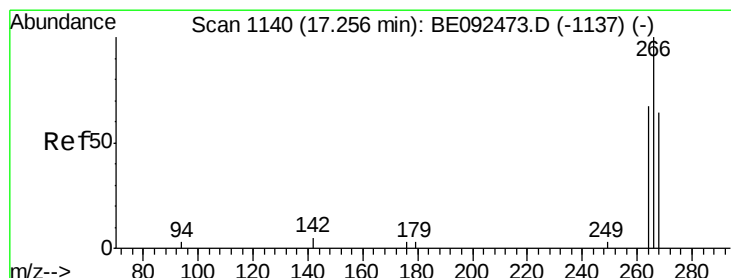
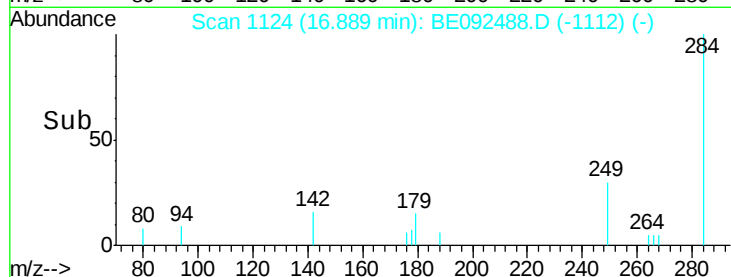
Tgt Ion: 284 Resp: 1509  
Ion Ratio Lower Upper  
284 100  
142 0.0 29.1 43.7#  
249 30.2 27.9 41.9



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

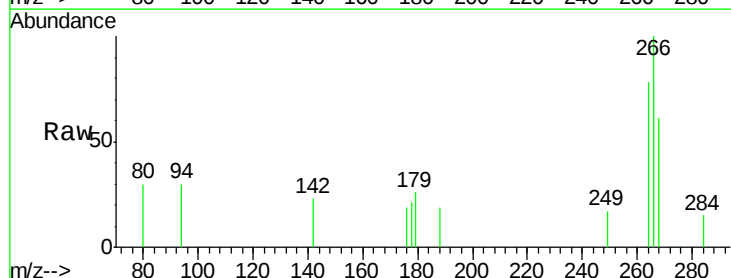


Time-->

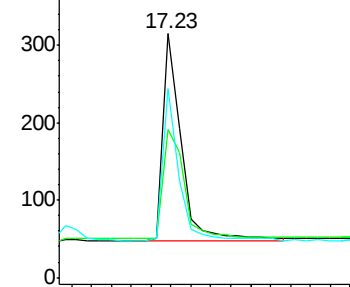


#20  
Pentachlorophenol  
Concen: 0.93 ng  
RT: 17.23 min Scan# 1139  
Delta R.T. -0.02 min  
Lab File: BE092488.D  
Acq: 31 Oct 2016 20:59

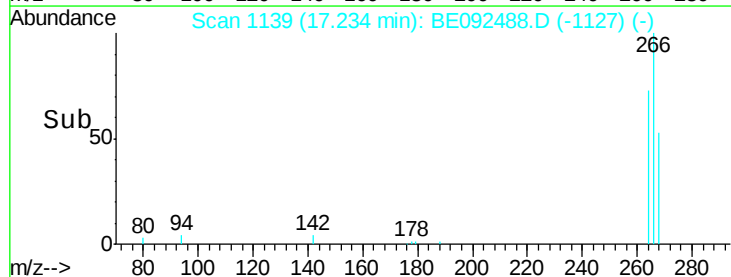
Tgt Ion: 266 Resp: 676  
Ion Ratio Lower Upper  
266 100  
268 60.6 62.5 93.7#  
264 77.8 57.2 85.8

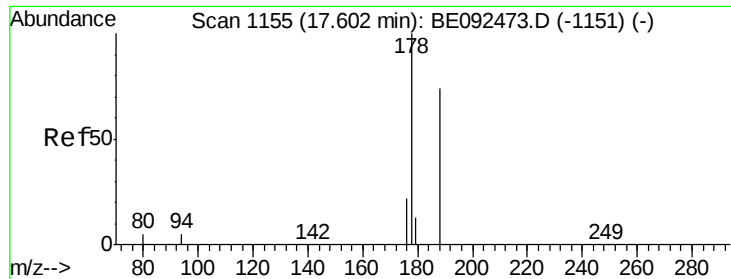


Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E



Time-->





#21

Phenanthrene

Concen: 0.40 ng

RT: 17.60 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

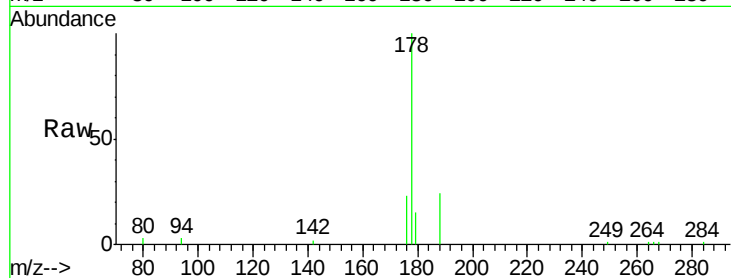
Tgt Ion:178 Resp: 8107

Ion Ratio Lower Upper

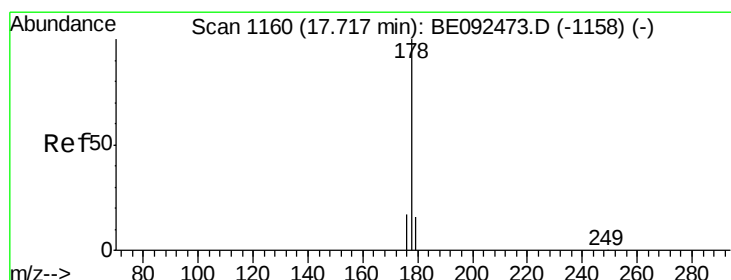
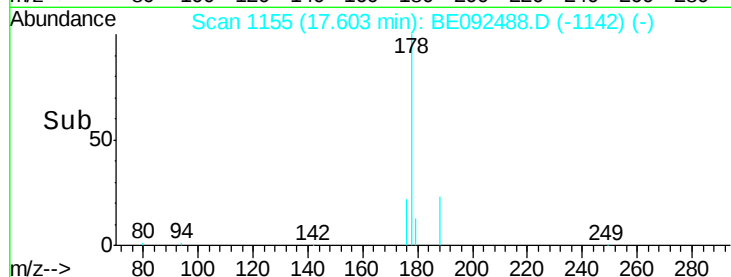
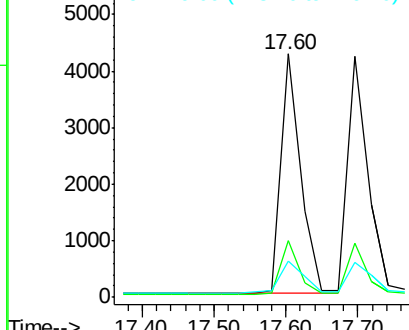
178 100

176 19.9 15.8 23.8

179 15.8 16.0 24.0#



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



#22

Anthracene

Concen: 0.45 ng

RT: 17.70 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

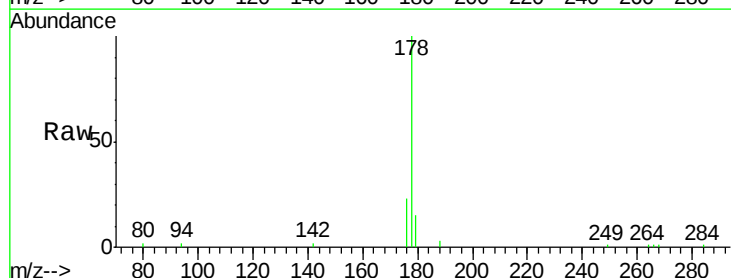
Tgt Ion:178 Resp: 8321

Ion Ratio Lower Upper

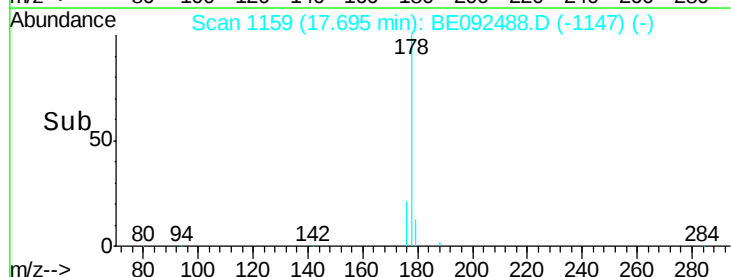
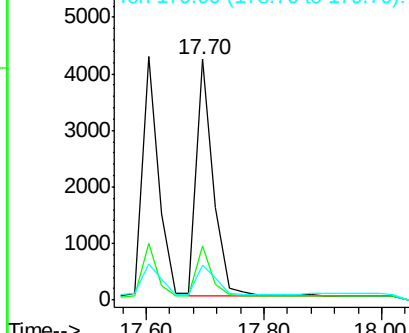
178 100

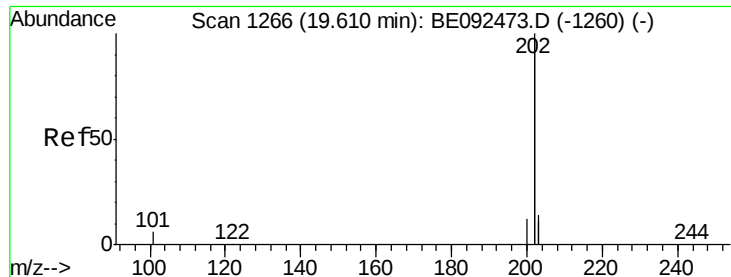
176 19.6 15.0 22.4

179 14.2 12.2 18.2



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

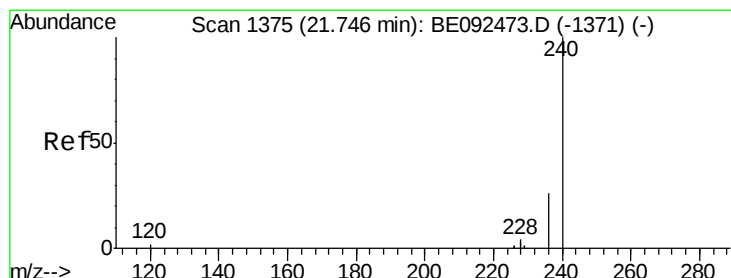
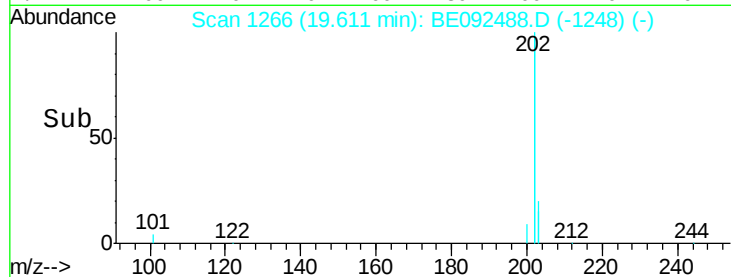
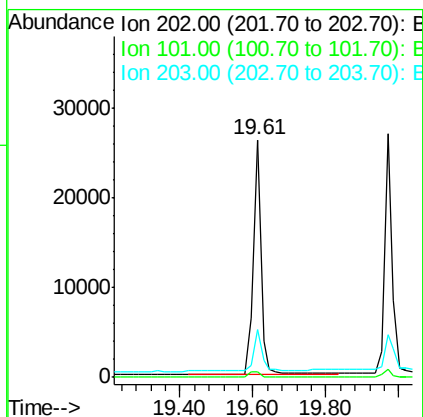
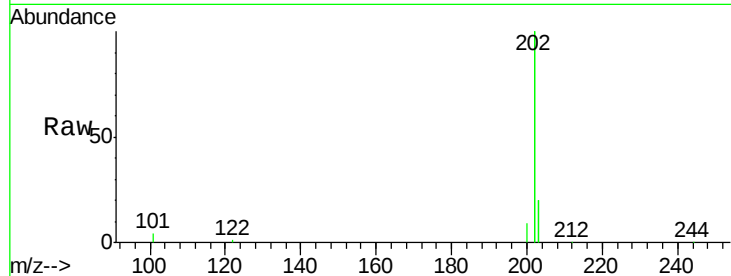




#23  
 Fluoranthene  
 Concen: 0.48 ng  
 RT: 19.61 min Scan# 1266  
 Delta R.T. 0.00 min  
 Lab File: BE092488.D  
 Acq: 31 Oct 2016 20:59

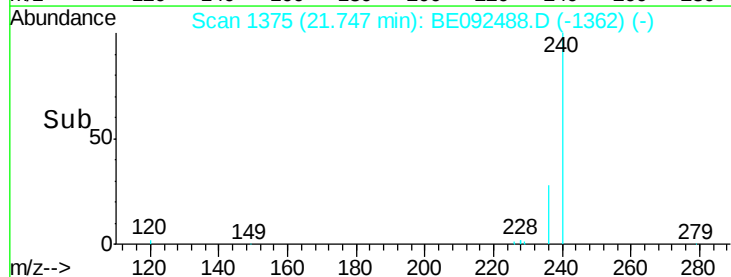
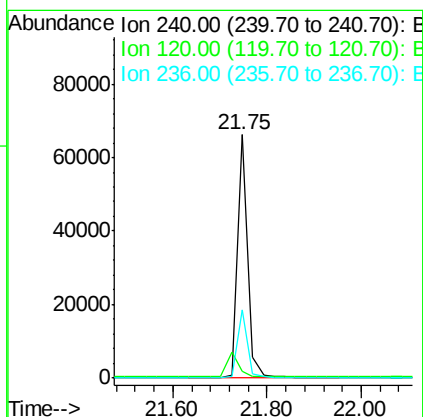
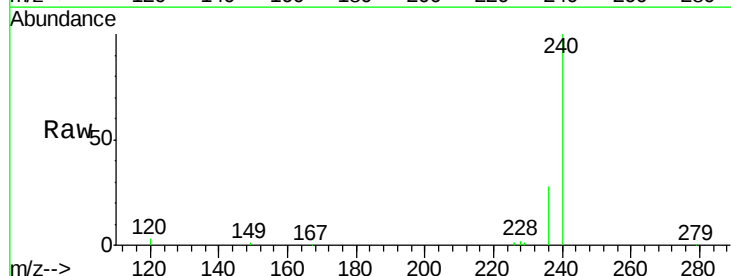
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

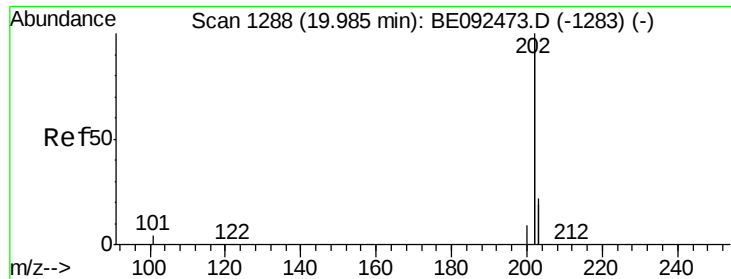
Tgt Ion: 202 Resp: 38871  
 Ion Ratio Lower Upper  
 202 100  
 101 2.8 2.2 3.4  
 203 20.4 13.7 20.5



#24  
 Chrysene-d12  
 Concen: 5.00 ng  
 RT: 21.75 min Scan# 1375  
 Delta R.T. 0.00 min  
 Lab File: BE092488.D  
 Acq: 31 Oct 2016 20:59

Tgt Ion: 240 Resp: 100991  
 Ion Ratio Lower Upper  
 240 100  
 120 2.7 2.6 4.0  
 236 27.8 24.6 37.0

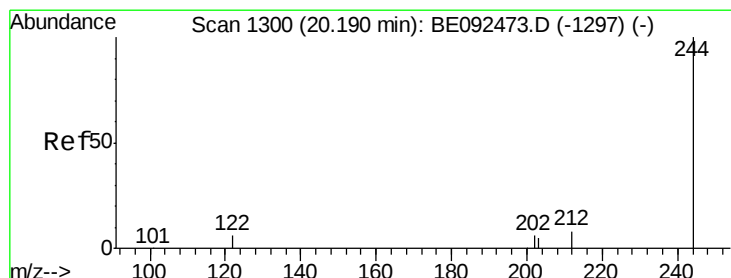
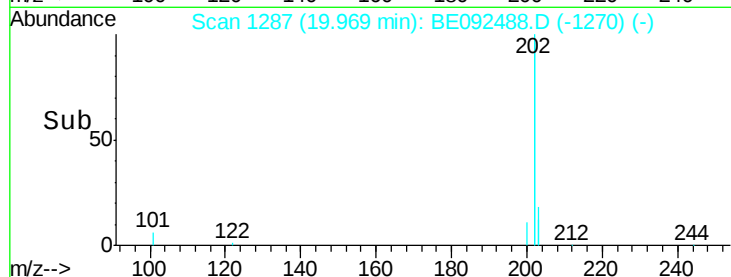
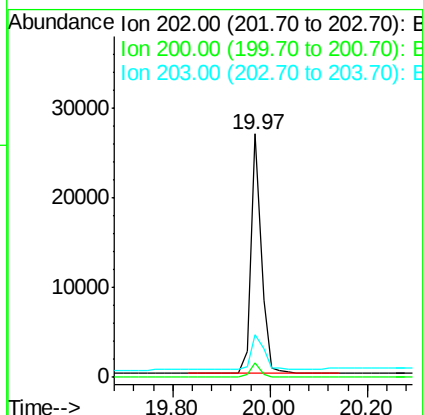
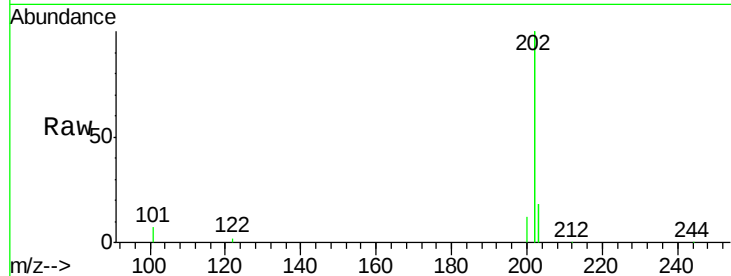




#25  
 Pyrene  
 Concen: 0.45 ng  
 RT: 19.97 min Scan# 1287  
 Delta R.T. -0.02 min  
 Lab File: BE092488.D  
 Acq: 31 Oct 2016 20:59

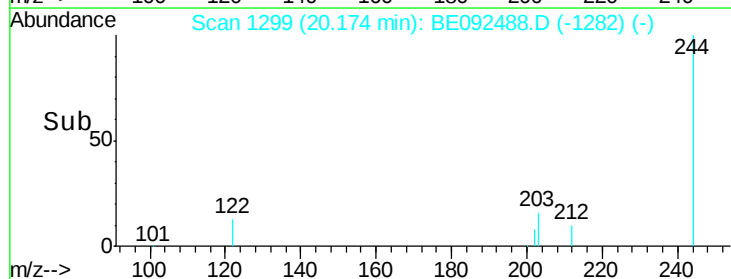
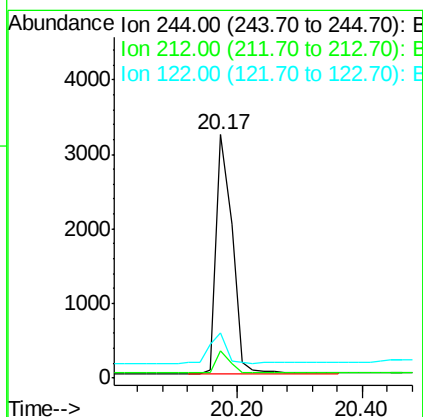
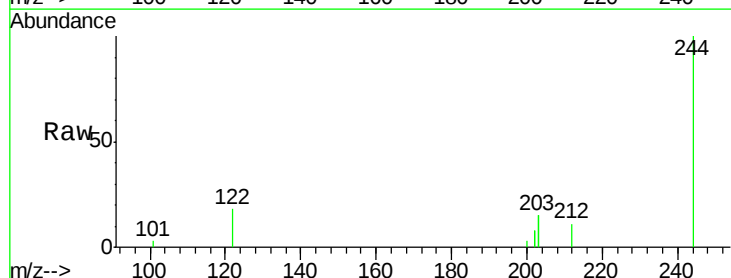
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

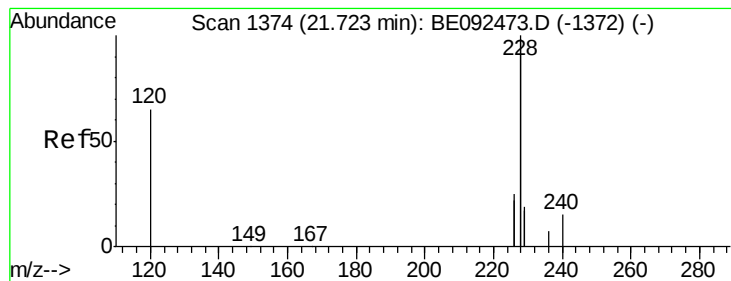
Tgt Ion: 202 Resp: 39977  
 Ion Ratio Lower Upper  
 202 100  
 200 5.4 4.2 6.4  
 203 19.7 13.9 20.9



#26  
 Terphenyl-d14  
 Concen: 0.45 ng  
 RT: 20.17 min Scan# 1299  
 Delta R.T. -0.02 min  
 Lab File: BE092488.D  
 Acq: 31 Oct 2016 20:59

Tgt Ion: 244 Resp: 5682  
 Ion Ratio Lower Upper  
 244 100  
 212 11.4 6.7 10.1#  
 122 18.4 3.6 5.4#





#27

Benzo(a)anthracene

Concen: 0.83 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

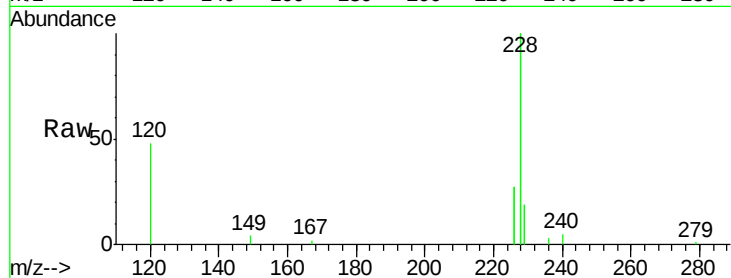
Tgt Ion:228 Resp: 77460

Ion Ratio Lower Upper

228 100

226 26.8 23.6 35.4

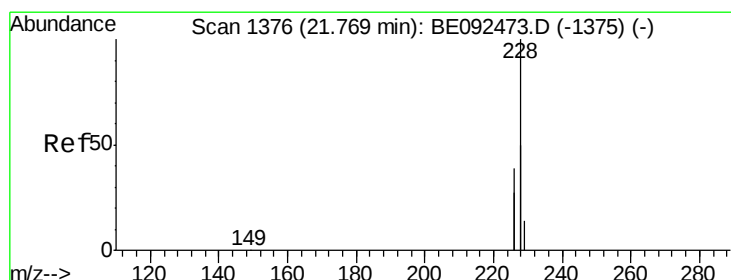
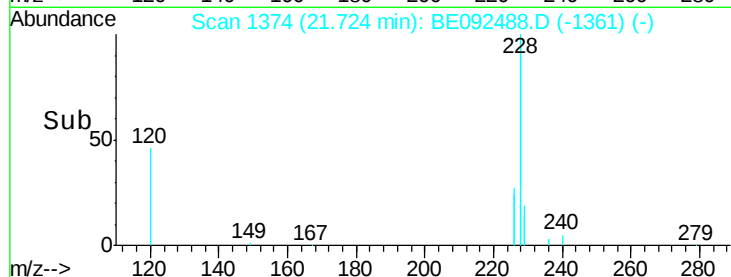
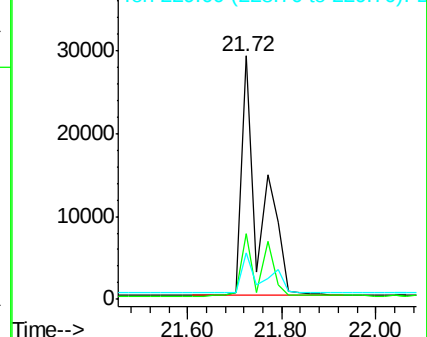
229 19.2 13.3 19.9



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



#28

Chrysene

Concen: 0.79 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.04 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

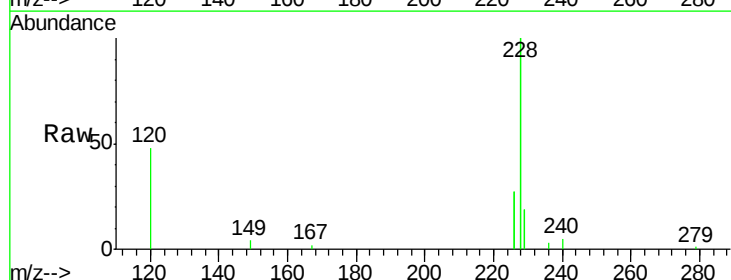
Tgt Ion:228 Resp: 77701

Ion Ratio Lower Upper

228 100

226 26.8 36.3 54.5#

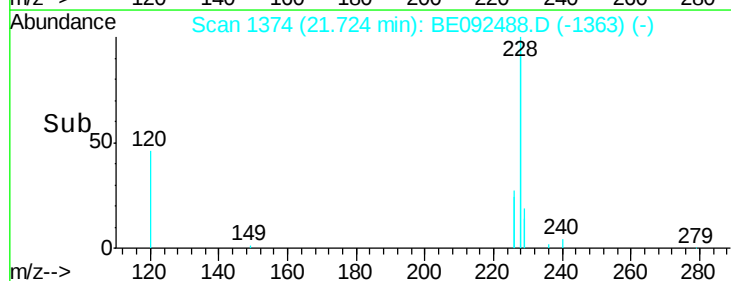
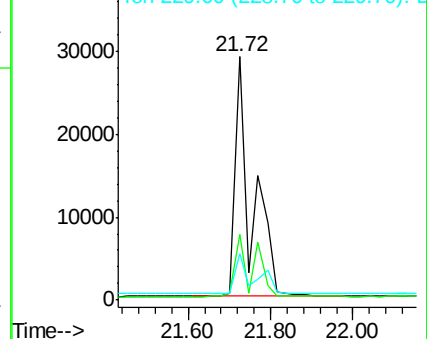
229 19.2 10.6 16.0#

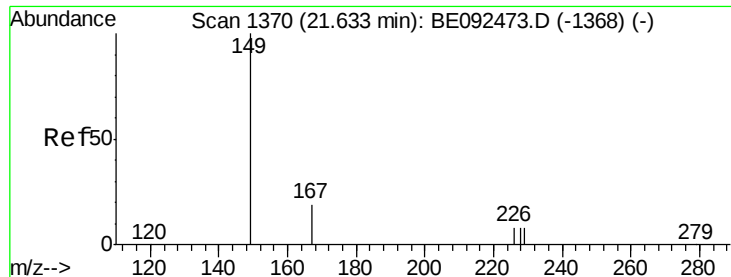


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.72 ng

RT: 21.63 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

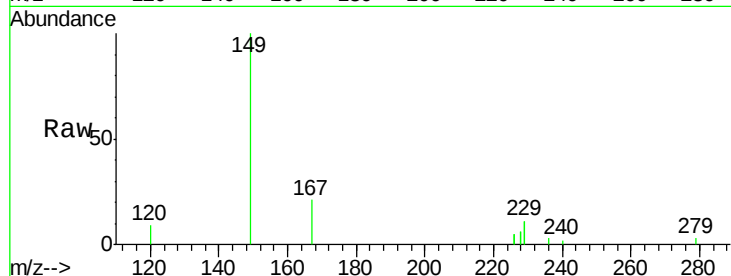
Tgt Ion:149 Resp: 5761

Ion Ratio Lower Upper

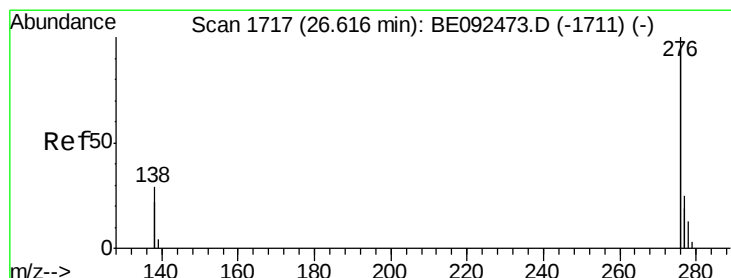
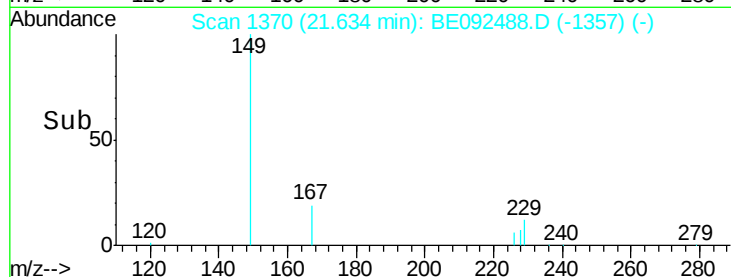
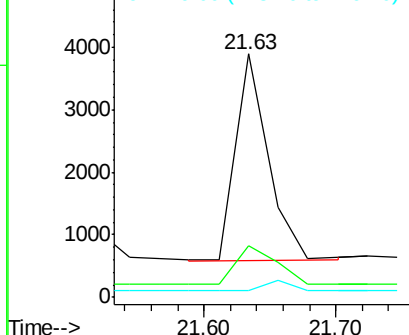
149 100

167 23.6 16.0 24.0

279 0.0 16.0 24.0#



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



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.46 ng

RT: 26.62 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

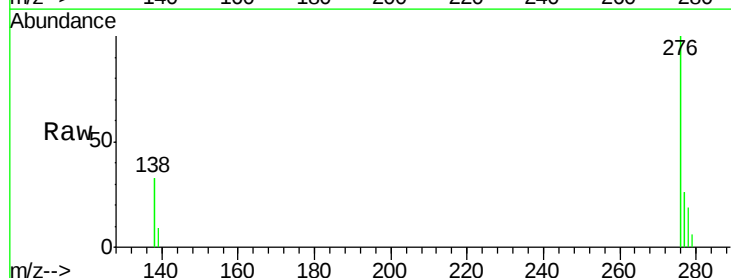
Tgt Ion:276 Resp: 40156

Ion Ratio Lower Upper

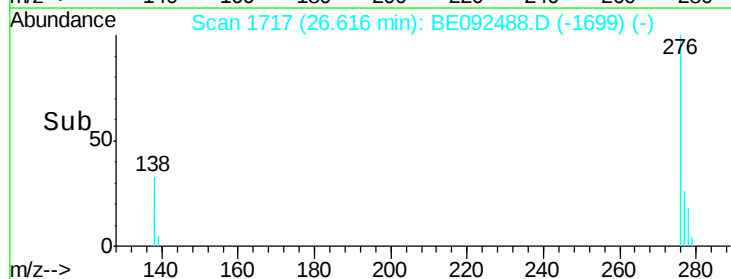
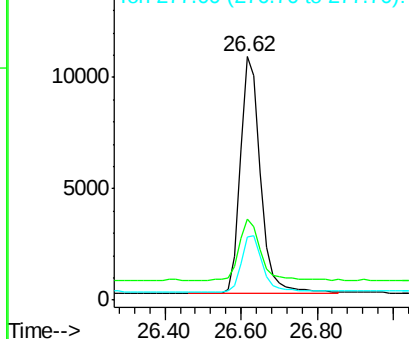
276 100

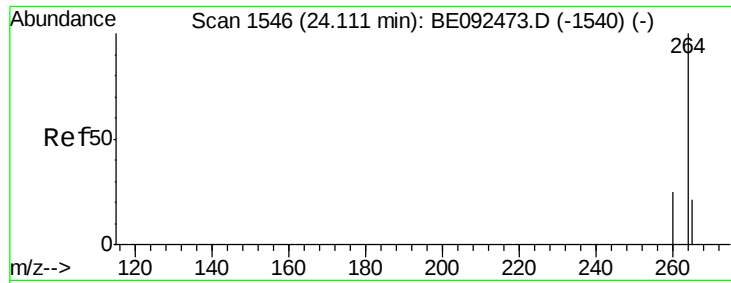
138 27.9 20.3 30.5

277 24.5 19.7 29.5



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

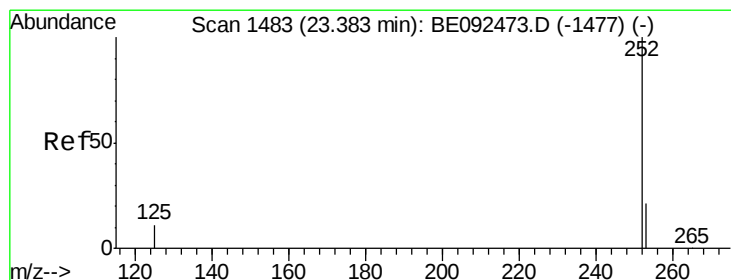
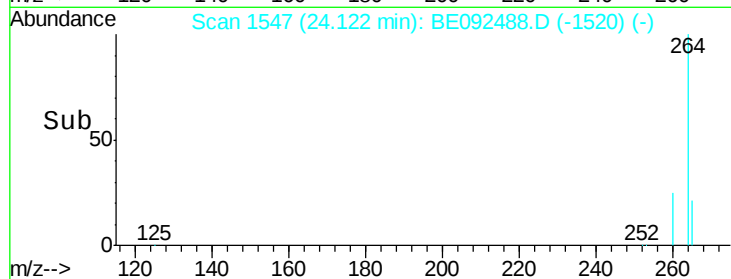
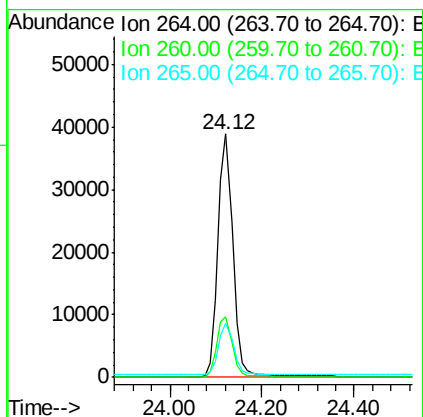
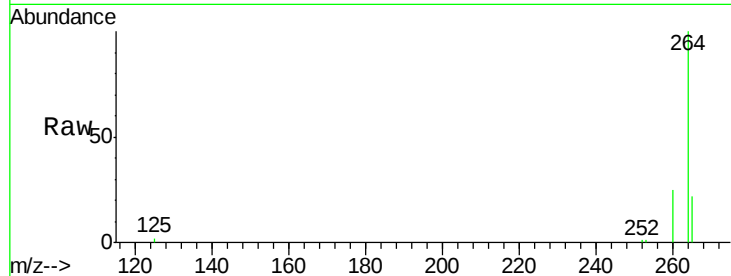




#31  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 24.12 min Scan# 1547  
 Delta R.T. 0.01 min  
 Lab File: BE092488.D  
 Acq: 31 Oct 2016 20:59

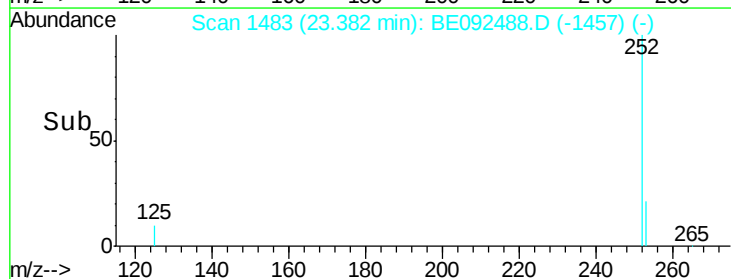
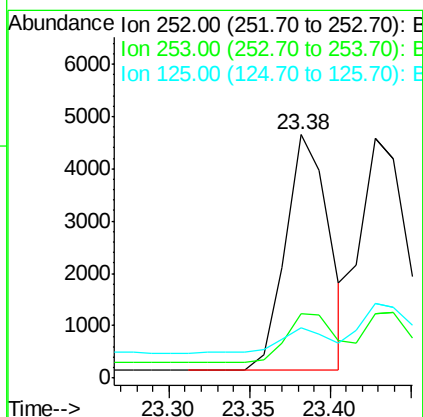
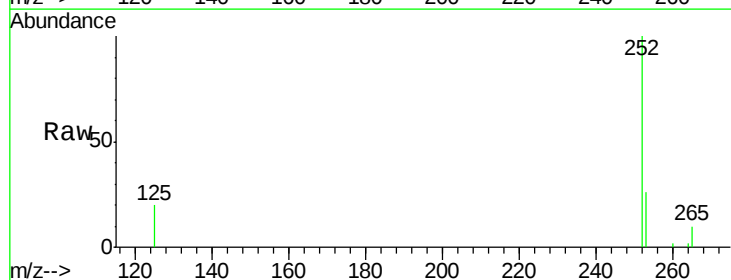
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

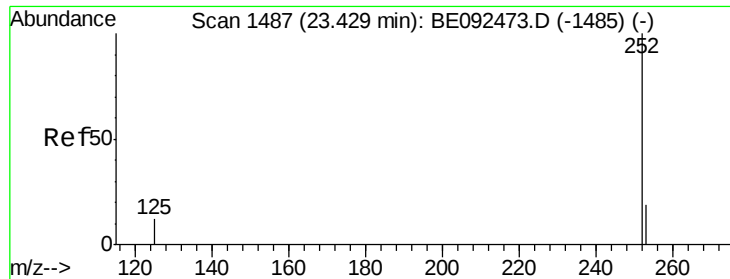
Tgt Ion: 264 Resp: 86544  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 20.1 30.1  
 265 22.4 17.9 26.9



#32  
 Benzo(b)fluoranthene  
 Concen: 0.40 ng  
 RT: 23.38 min Scan# 1483  
 Delta R.T. -0.00 min  
 Lab File: BE092488.D  
 Acq: 31 Oct 2016 20:59

Tgt Ion: 252 Resp: 8545  
 Ion Ratio Lower Upper  
 252 100  
 253 26.5 18.7 28.1  
 125 20.4 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 0.44 ng

RT: 23.43 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

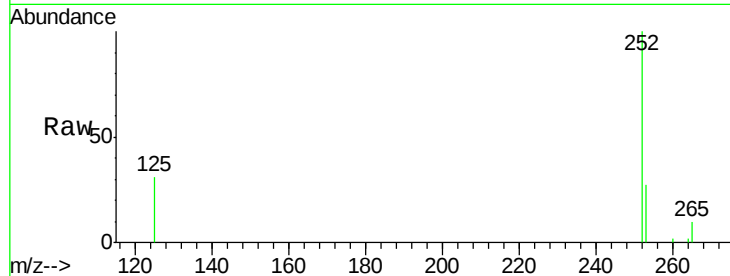
Tgt Ion:252 Resp: 9427

Ion Ratio Lower Upper

252 100

253 26.7 20.3 30.5

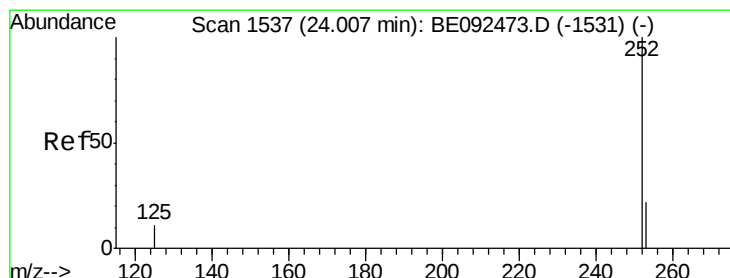
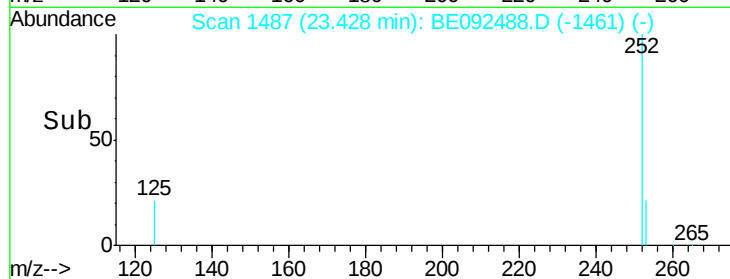
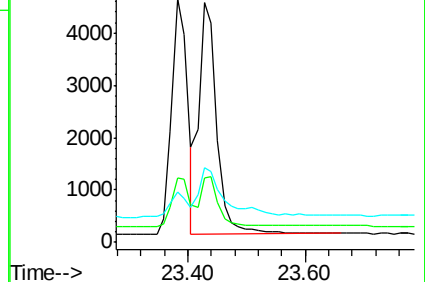
125 31.2 9.6 14.4#



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



#34

Benzo(a)pyrene

Concen: 0.44 ng

RT: 24.01 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

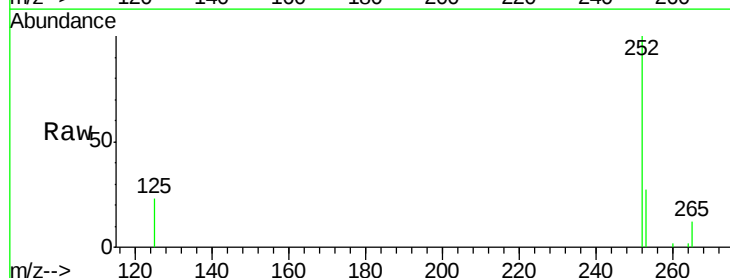
Tgt Ion:252 Resp: 8576

Ion Ratio Lower Upper

252 100

253 27.0 19.0 28.6

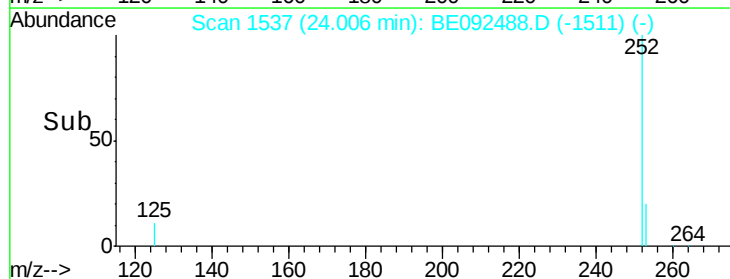
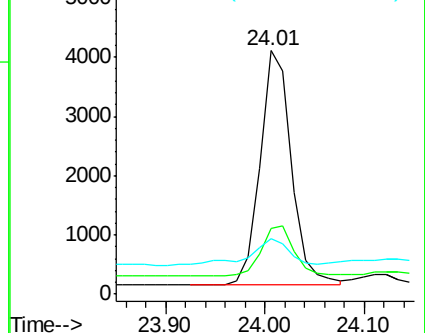
125 22.9 11.8 17.8#

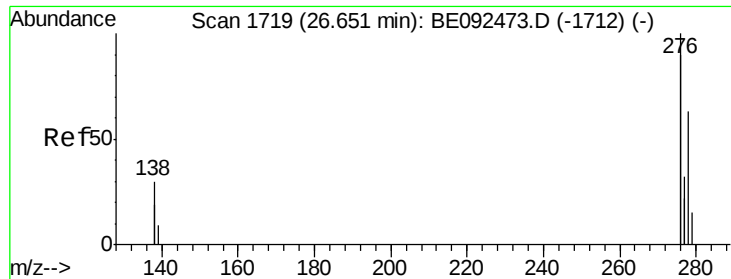


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 0.45 ng

RT: 26.65 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

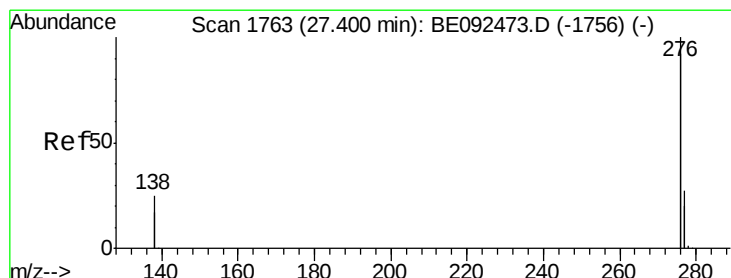
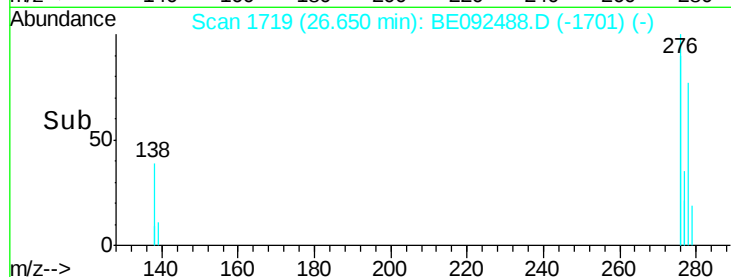
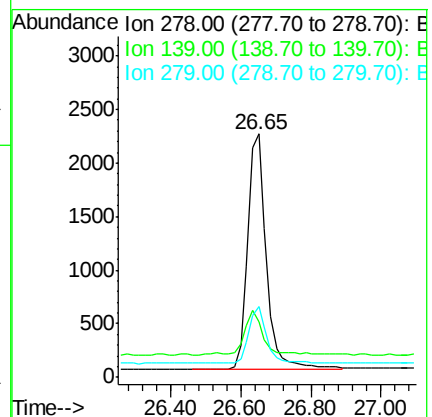
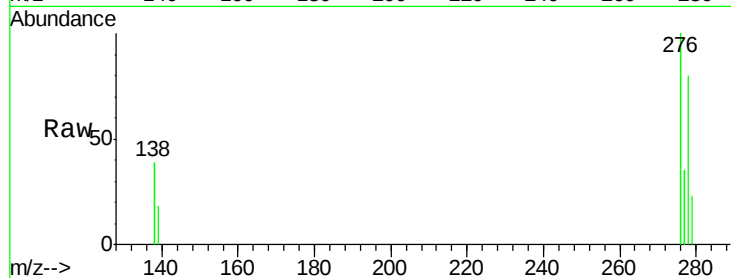
Tgt Ion:278 Resp: 8150

Ion Ratio Lower Upper

278 100

139 23.0 13.8 20.8#

279 29.3 21.4 32.2



#36

Benzo(g,h,i)perylene

Concen: 0.43 ng

RT: 27.40 min Scan# 1763

Delta R.T. -0.00 min

Lab File: BE092488.D

Acq: 31 Oct 2016 20:59

Tgt Ion:276 Resp: 33667

Ion Ratio Lower Upper

276 100

277 28.2 19.8 29.8

138 30.7 19.8 29.6#

