

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE080316\  
 Data File : BE092182.D  
 Acq On : 4 Aug 2016 14:40  
 Operator : UM/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Quant Time: Aug 04 15:15:49 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-PAH-BE080216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 02 16:59:37 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 12515    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.98 | 136  | 60845    | 5.00 | ng    | -0.02    |
| 10) Acenaphthene-d10      | 14.83 | 164  | 35009    | 5.00 | ng    | -0.02    |
| 16) Phenanthrene-d10      | 17.56 | 188  | 80508    | 5.00 | ng    | -0.02    |
| 22) Chrysene-d12          | 21.75 | 240  | 91261    | 5.00 | ng    | 0.00     |
| 28) Perylene-d12          | 24.14 | 264  | 86280    | 5.00 | ng    | 0.00     |

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| System Monitoring Compounds |       |     |      |      |    |       |
| 4) 2-Fluorophenol           | 5.71  | 112 | 1081 | 0.34 | ng | 0.01  |
| 5) Phenol-d6                | 7.35  | 99  | 1605 | 0.37 | ng | 0.00  |
| 7) Nitrobenzene-d5          | 9.35  | 82  | 1819 | 0.38 | ng | 0.00  |
| 11) 2,4,6-Tribromophenol    | 16.33 | 330 | 385  | 0.34 | ng | 0.00  |
| 12) 2-Fluorobiphenyl        | 13.46 | 172 | 4277 | 0.39 | ng | 0.00  |
| 24) Terphenyl-d14           | 20.19 | 244 | 5631 | 0.43 | ng | -0.02 |

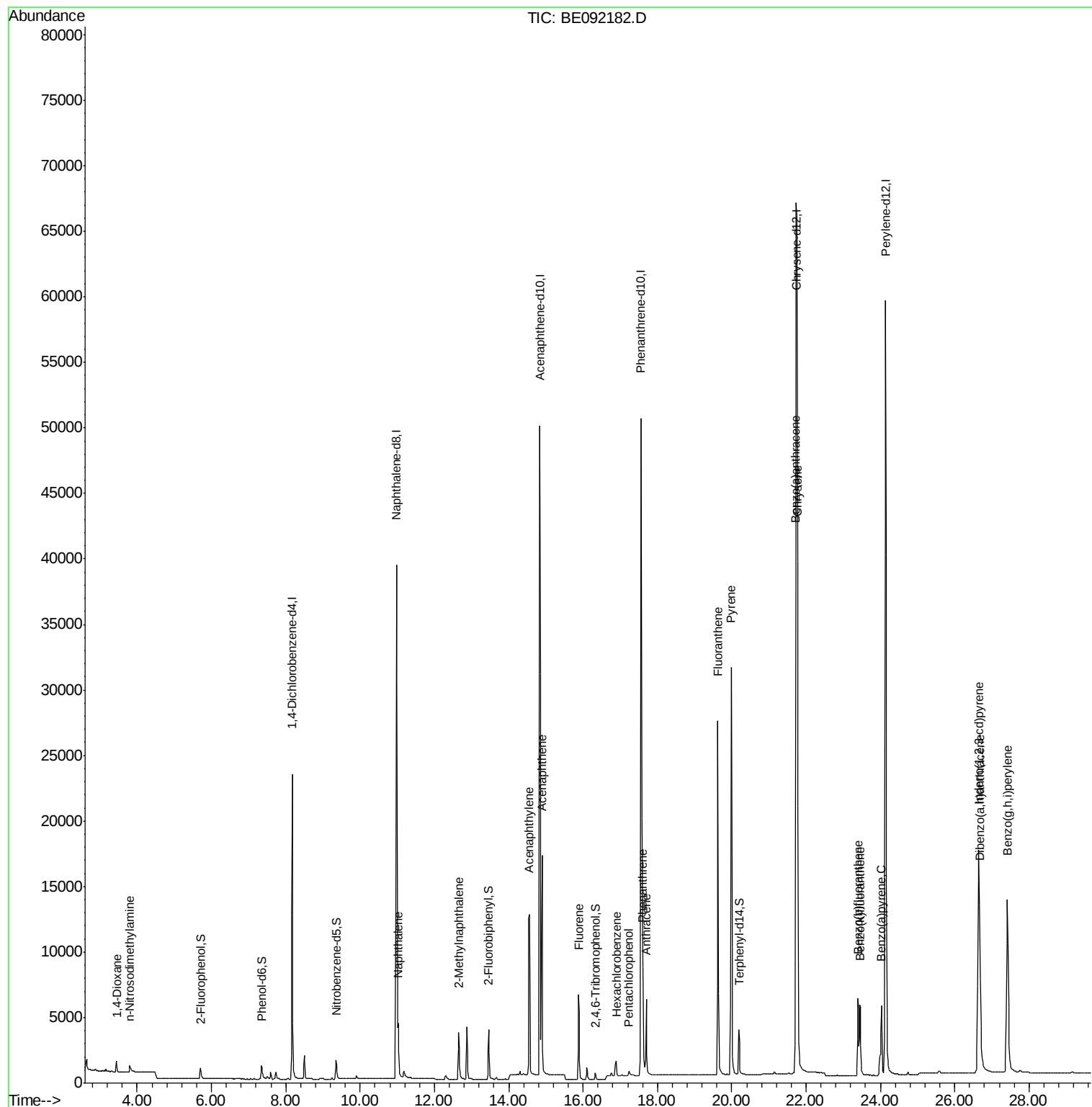
|                            |       |     |       |        |    |      |
|----------------------------|-------|-----|-------|--------|----|------|
| Target Compounds           |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane             | 3.44  | 88  | 639   | 0.38   | ng | 94   |
| 3) n-Nitrosodimethylamine  | 3.80  | 42  | 751   | 0.40   | ng | 95   |
| 8) Naphthalene             | 11.03 | 128 | 5343  | 0.40   | ng | 98   |
| 9) 2-Methylnaphthalene     | 12.65 | 142 | 3392  | 0.40   | ng | 93   |
| 13) Acenaphthylene         | 14.54 | 152 | 23488 | 0.38   | ng | 98   |
| 14) Acenaphthene           | 14.90 | 154 | 3882  | 0.39   | ng | # 96 |
| 15) Fluorene               | 15.88 | 166 | 4689  | 0.38   | ng | 99   |
| 17) Hexachlorobenzene      | 16.89 | 284 | 1449  | 0.37   | ng | # 38 |
| 18) Pentachlorophenol      | 17.24 | 266 | 311   | 0.40   | ng | 93   |
| 19) Phenanthrene           | 17.60 | 178 | 8739  | 0.36   | ng | 99   |
| 20) Anthracene             | 17.70 | 178 | 7670  | 0.36   | ng | 99   |
| 21) Fluoranthene           | 19.63 | 202 | 34862 | 0.35   | ng | 98   |
| 23) Pyrene                 | 19.99 | 202 | 38329 | 0.40   | ng | 99   |
| 25) Benzo(a)anthracene     | 21.72 | 228 | 37753 | 0.38   | ng | # 92 |
| 26) Chrysene               | 21.77 | 228 | 38034 | 0.38   | ng | # 84 |
| 27) Indeno(1,2,3-cd)pyrene | 26.65 | 276 | 39054 | 0.36   | ng | 99   |
| 29) Benzo(b)fluoranthene   | 23.40 | 252 | 8661  | 0.37   | ng | 98   |
| 30) Benzo(k)fluoranthene   | 23.44 | 252 | 9173  | 0.39   | ng | 97   |
| 31) Benzo(a)pyrene         | 24.02 | 252 | 8576  | 0.40   | ng | # 96 |
| 32) Dibenzo(a,h)anthracene | 26.67 | 278 | 7879  | 0.38   | ng | 98   |
| 33) Benzo(g,h,i)perylene   | 27.42 | 276 | 33134 | 0.37   | ng | 97   |

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

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Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_E  
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Quant Time: Aug 04 15:15:49 2016  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-PAH-BE080216.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 02 16:59:37 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

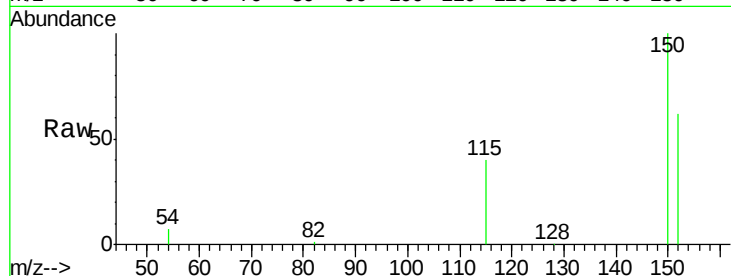
Tgt Ion:152 Resp: 12515

Ion Ratio Lower Upper

152 100

150 161.3 106.0 159.0#

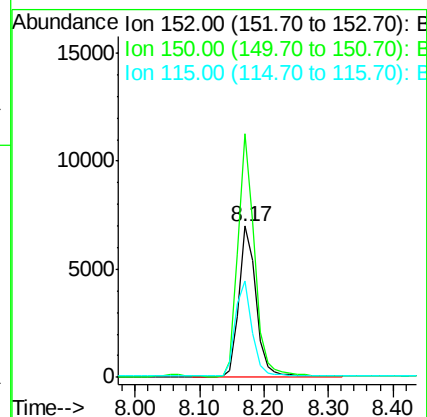
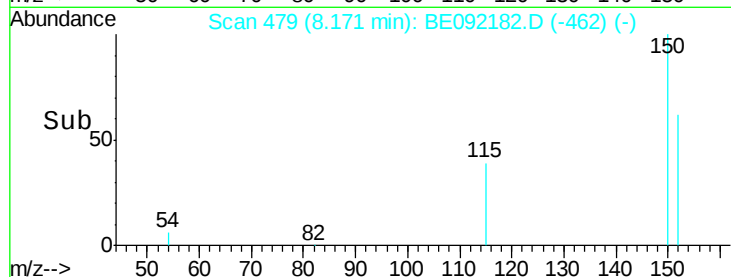
115 63.9 36.9 55.3#



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: 0.38 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

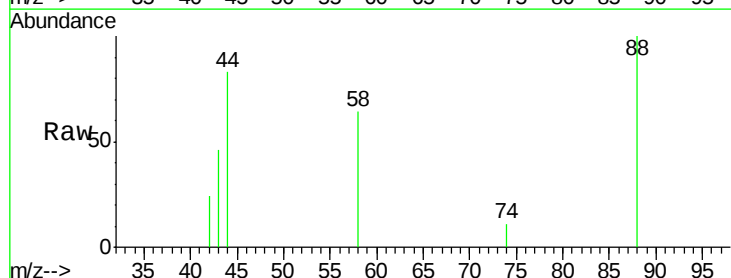
Tgt Ion: 88 Resp: 639

Ion Ratio Lower Upper

88 100

58 81.8 62.1 93.1

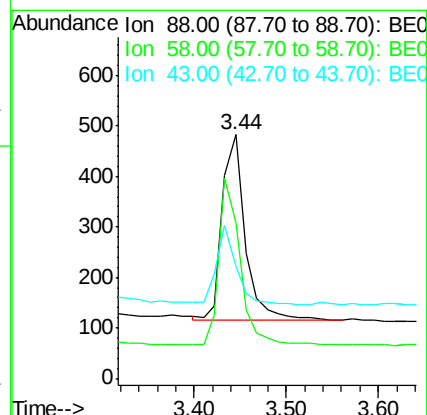
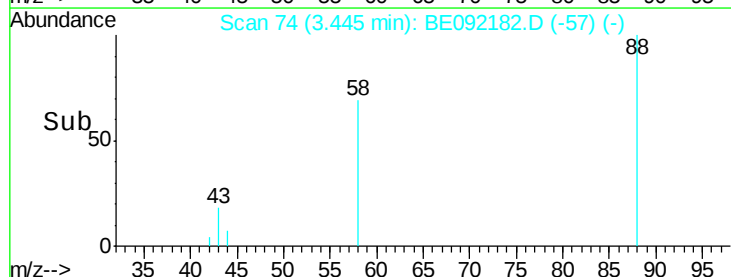
43 38.0 27.2 40.8

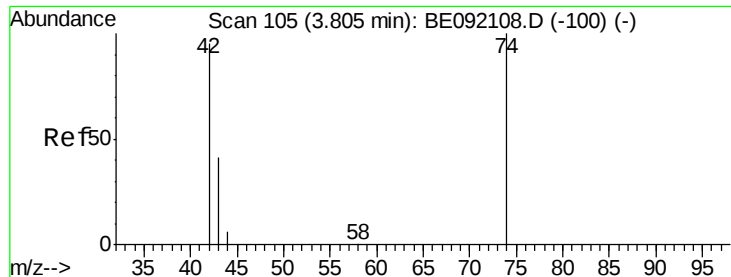


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.40 ng

RT: 3.80 min Scan# 105

Delta R.T. -0.00 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

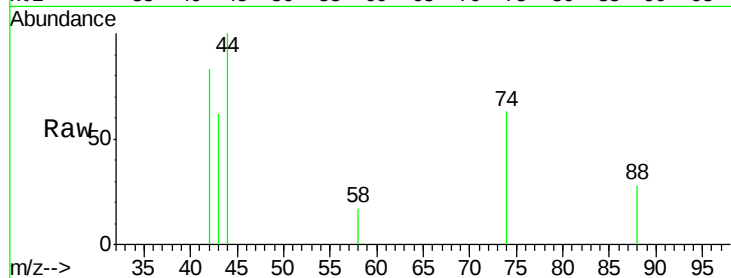
Tgt Ion: 42 Resp: 751

Ion Ratio Lower Upper

42 100

74 98.1 82.8 124.2

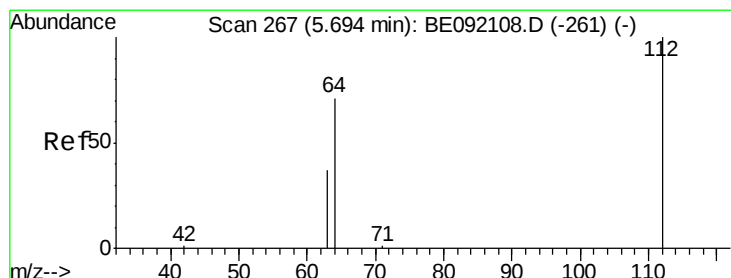
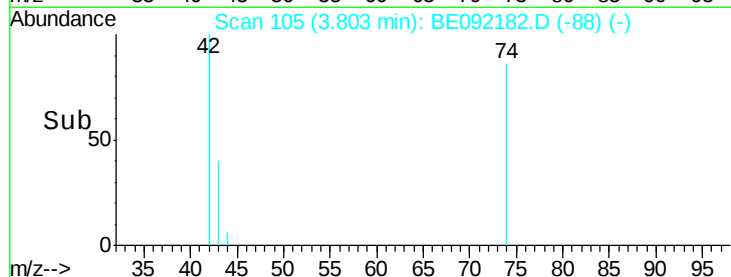
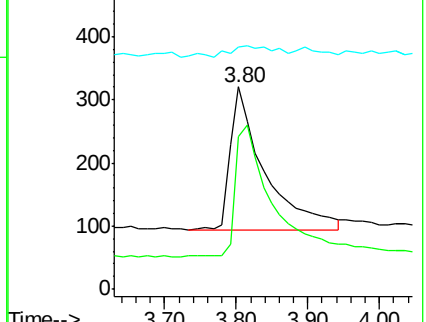
44 9.6 9.0 13.4



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: 0.34 ng

RT: 5.71 min Scan# 268

Delta R.T. 0.01 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

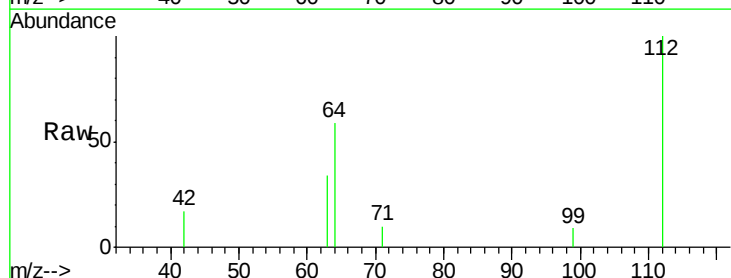
Tgt Ion: 112 Resp: 1081

Ion Ratio Lower Upper

112 100

64 66.8 55.9 83.9

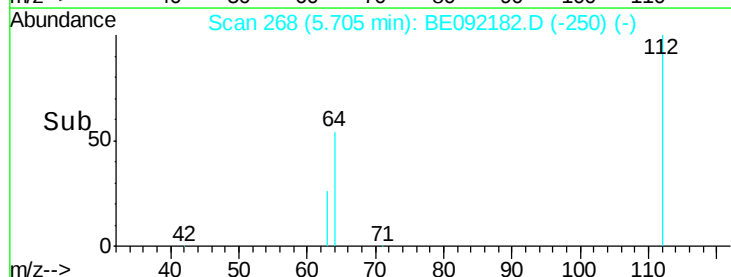
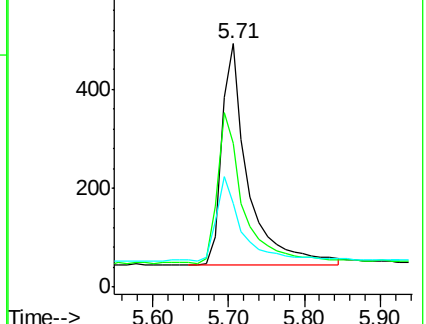
63 38.3 31.1 46.7



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: 0.37 ng

RT: 7.35 min Scan# 410

Delta R.T. -0.00 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

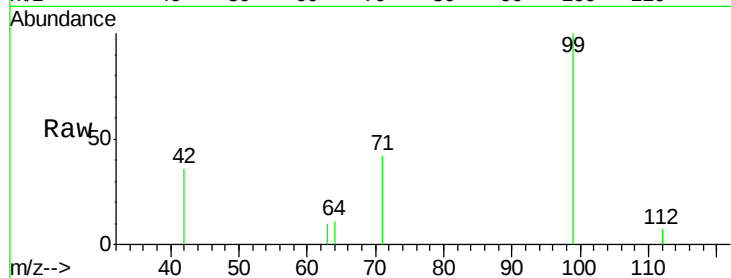
Tgt Ion: 99 Resp: 1605

Ion Ratio Lower Upper

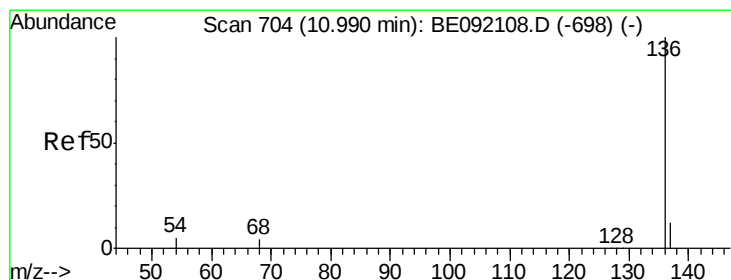
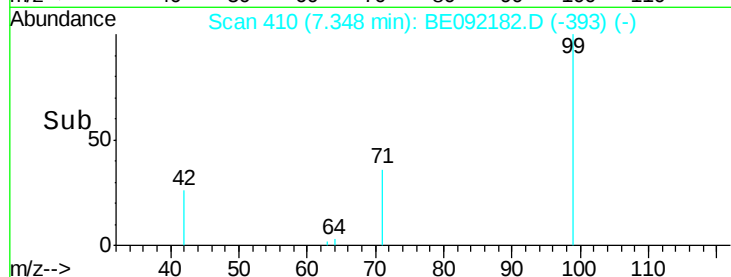
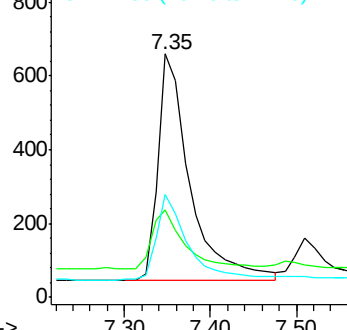
99 100

42 25.9 22.4 33.6

71 37.1 28.9 43.3



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

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.02 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

Tgt Ion: 136 Resp: 60845

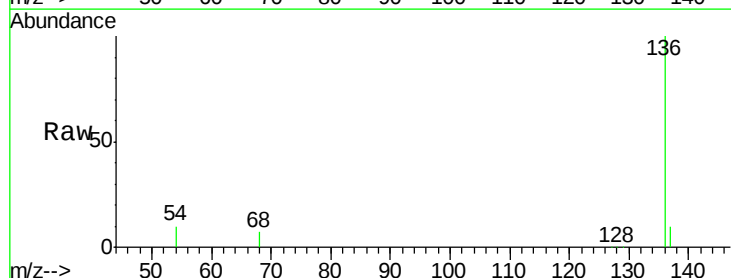
Ion Ratio Lower Upper

136 100

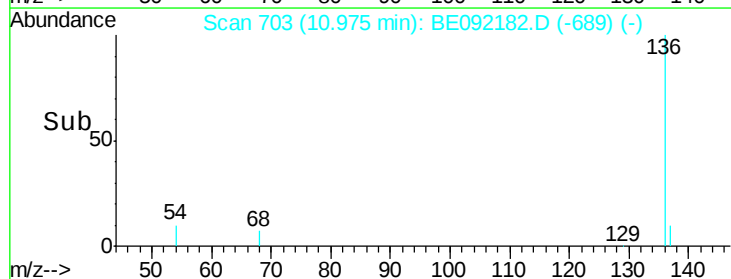
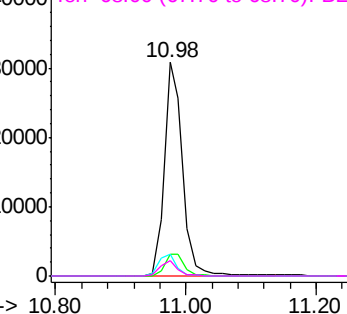
137 10.4 9.1 13.7

54 10.3 2.7 4.1#

68 7.2 2.2 3.4#



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





#7

Nitrobenzene-d5

Concen: 0.38 ng

RT: 9.35 min Scan# 581

Delta R.T. -0.00 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

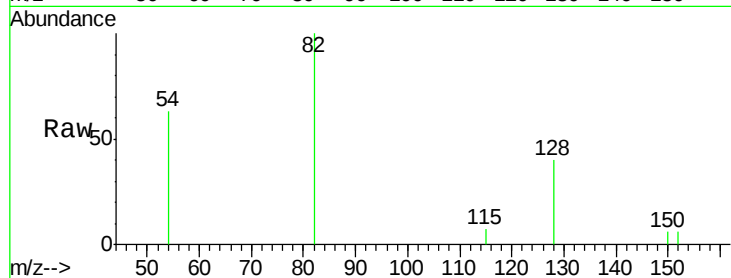
Tgt Ion: 82 Resp: 1819

Ion Ratio Lower Upper

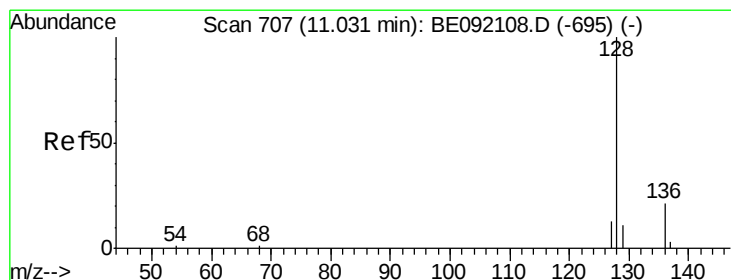
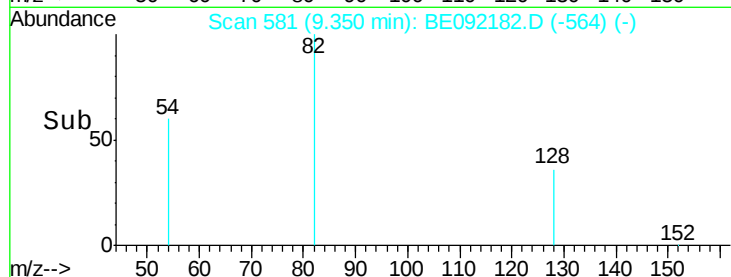
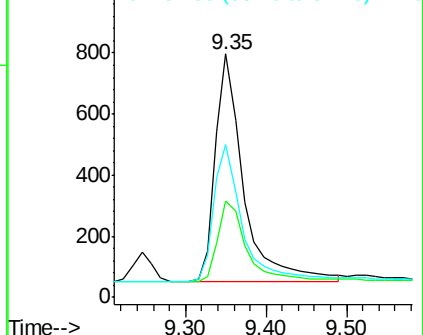
82 100

128 39.6 33.0 49.4

54 62.7 42.6 63.8



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



#8

Naphthalene

Concen: 0.40 ng

RT: 11.03 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

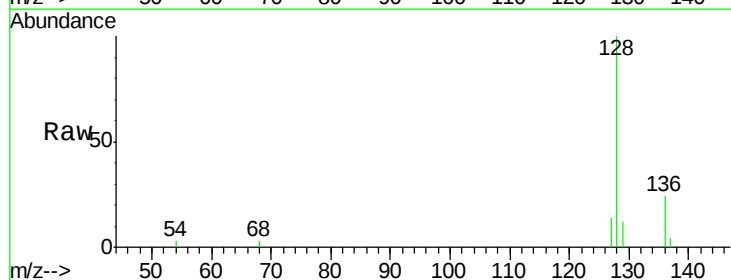
Tgt Ion: 128 Resp: 5343

Ion Ratio Lower Upper

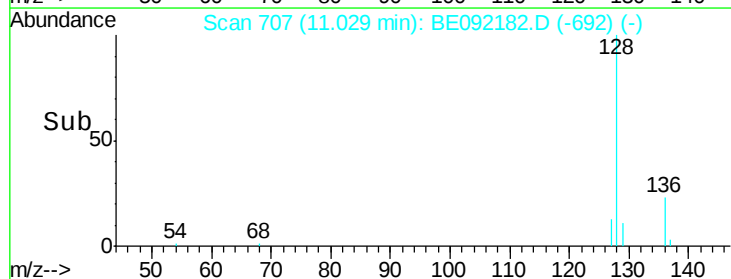
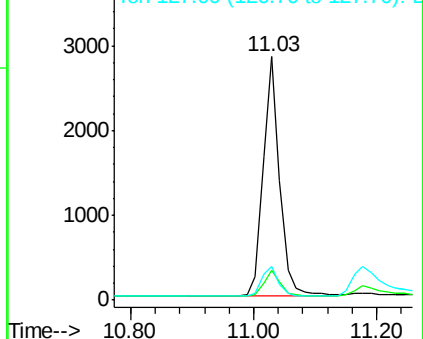
128 100

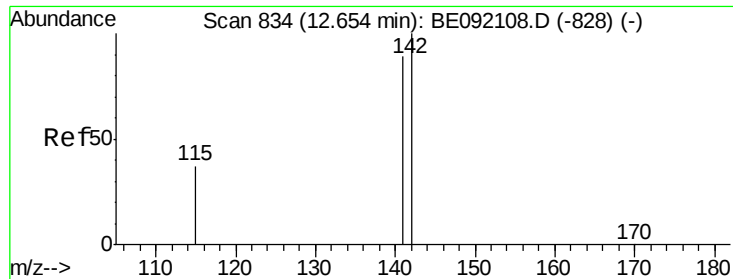
129 12.4 11.1 16.7

127 13.9 11.3 16.9



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





#9

2-Methylnaphthalene

Concen: 0.40 ng

RT: 12.65 min Scan# 834

Delta R.T. 0.00 min

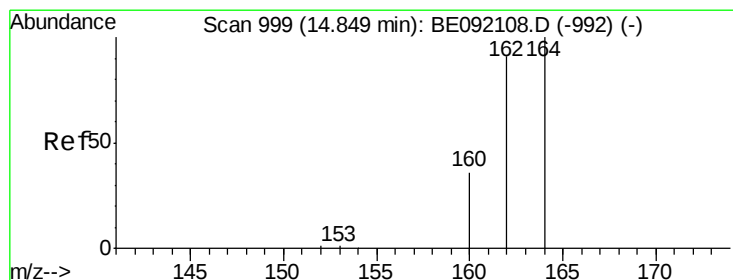
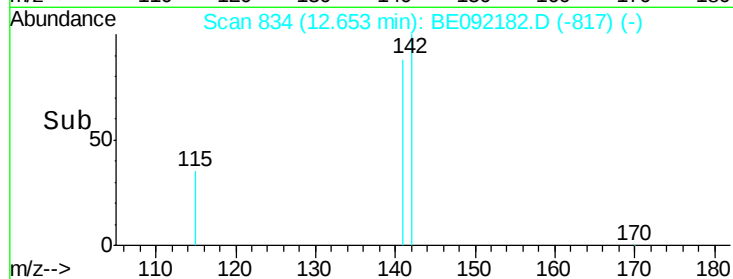
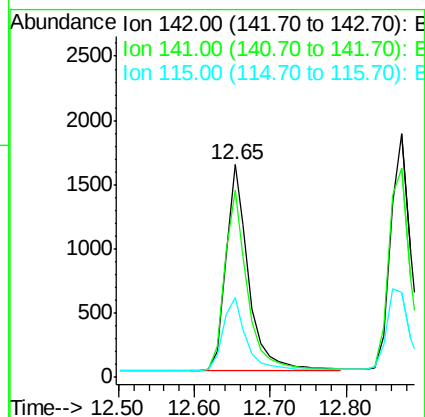
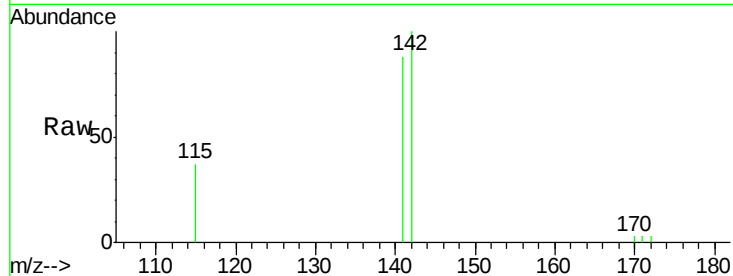
Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tgt Ion:142 Resp: 3392

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 88.2  | 65.1  | 97.7  |
| 115 | 37.3  | 27.0  | 40.4  |



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

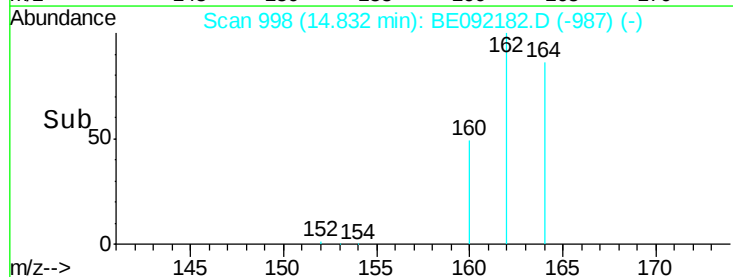
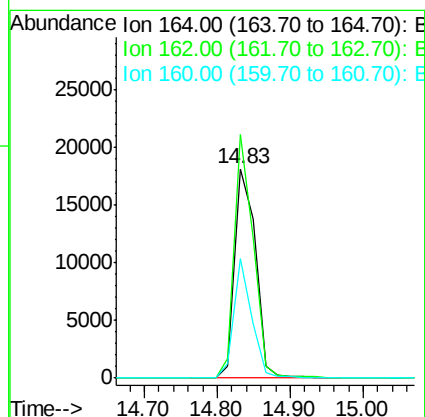
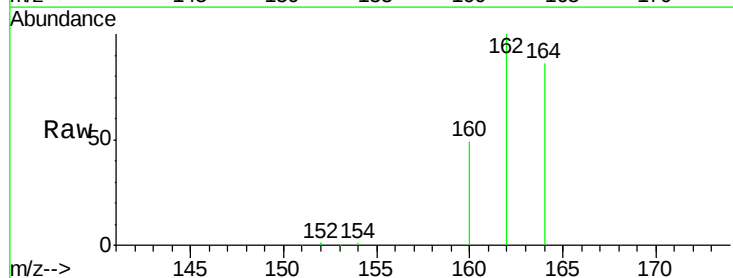
Delta R.T. -0.02 min

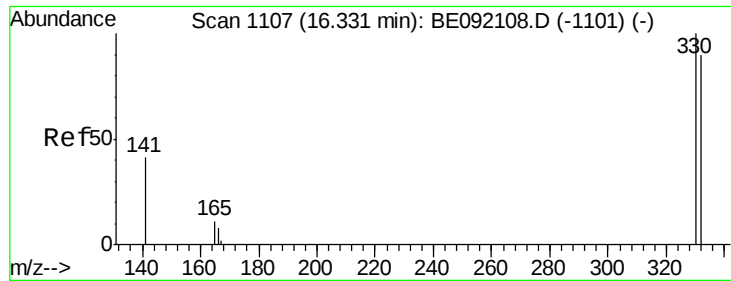
Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

Tgt Ion:164 Resp: 35009

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 164 | 100   |       |        |
| 162 | 116.3 | 69.5  | 104.3# |
| 160 | 57.3  | 27.6  | 41.4#  |

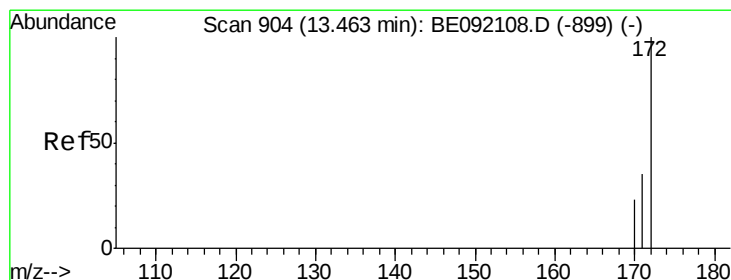
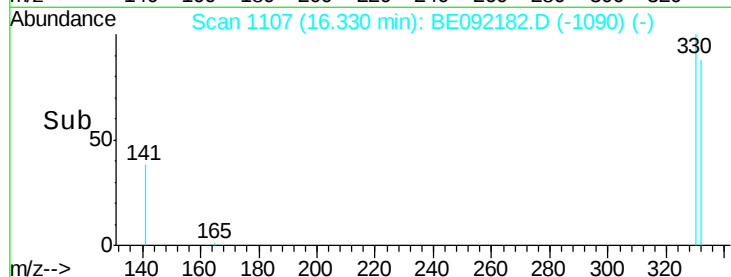
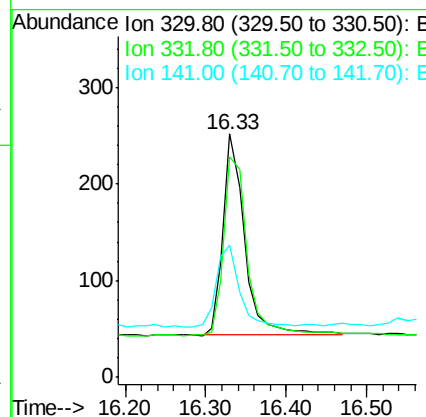
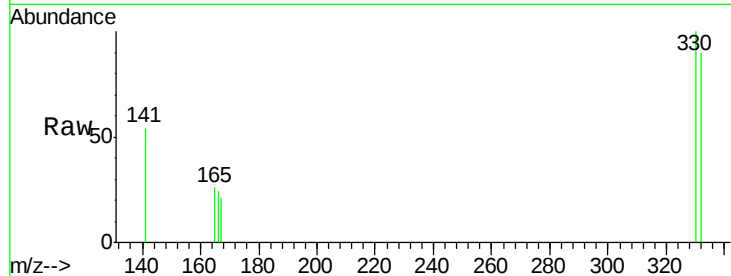




#11  
 2,4,6-Tribromophenol  
 Concen: 0.34 ng  
 RT: 16.33 min Scan# 1107  
 Delta R.T. -0.00 min  
 Lab File: BE092182.D  
 Acq: 4 Aug 2016 14:40

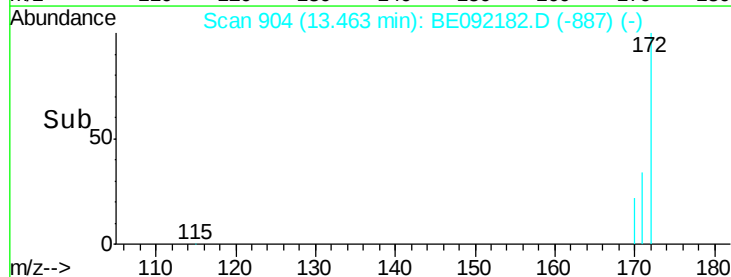
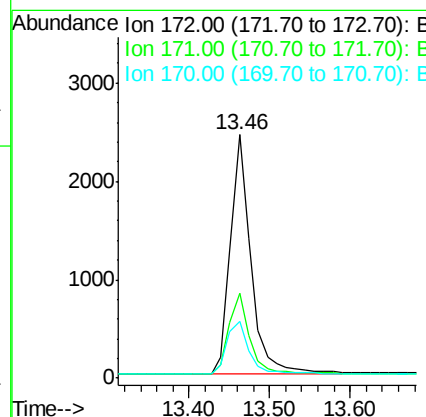
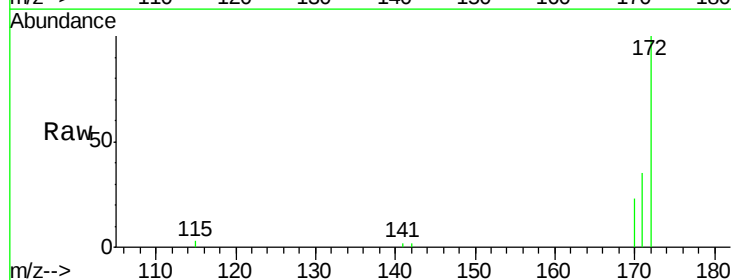
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTCCCC0.4EC

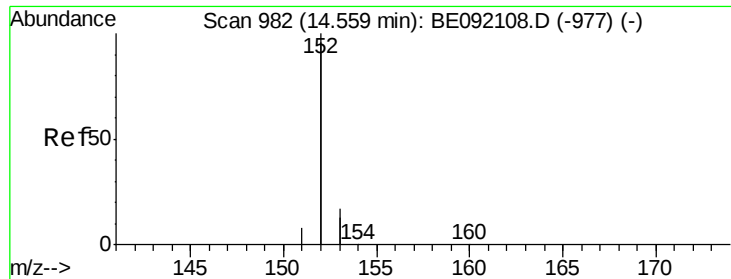
Tgt Ion: 330 Resp: 385  
 Ion Ratio Lower Upper  
 330 100  
 332 99.7 74.2 111.4  
 141 43.9 139.8 209.8#



#12  
 2-Fluorobiphenyl  
 Concen: 0.39 ng  
 RT: 13.46 min Scan# 904  
 Delta R.T. -0.00 min  
 Lab File: BE092182.D  
 Acq: 4 Aug 2016 14:40

Tgt Ion: 172 Resp: 4277  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 30.3 45.5  
 170 23.3 21.6 32.4

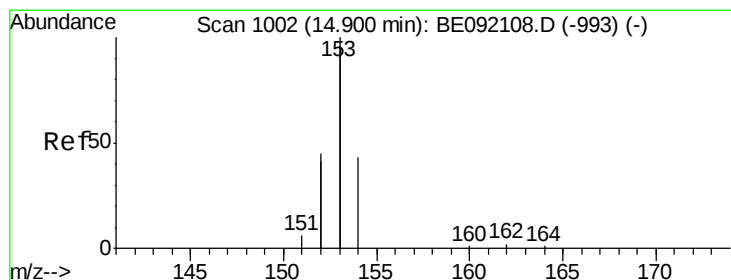
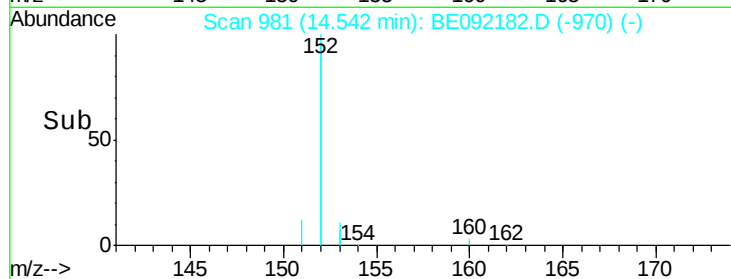
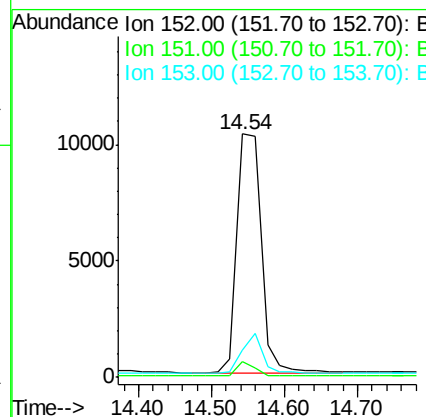
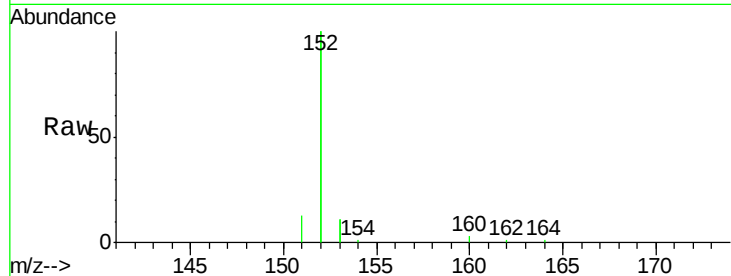




#13  
Acenaphthylene  
Concen: 0.38 ng  
RT: 14.54 min Scan# 981  
Delta R.T. -0.02 min  
Lab File: BE092182.D  
Acq: 4 Aug 2016 14:40

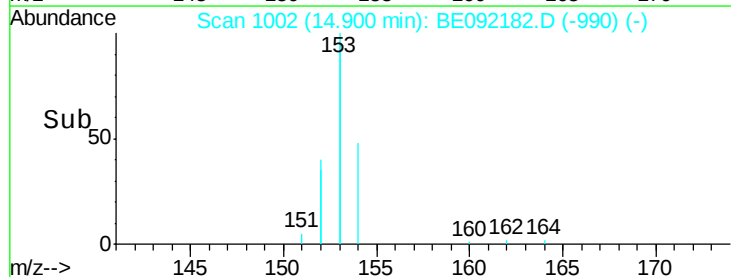
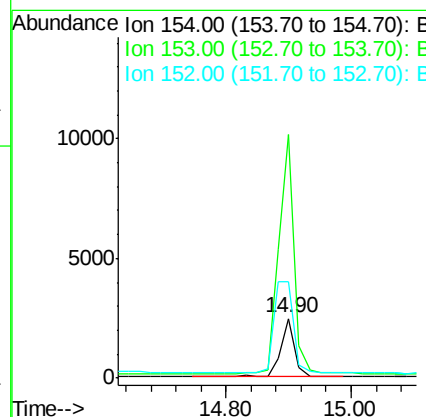
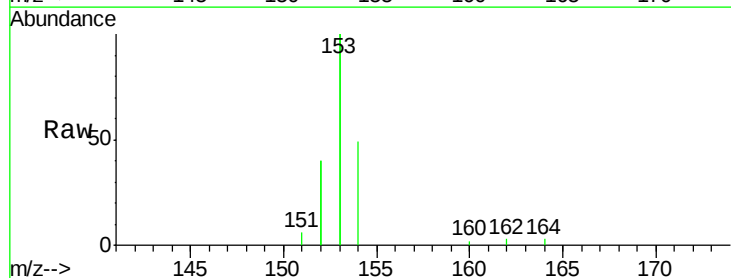
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

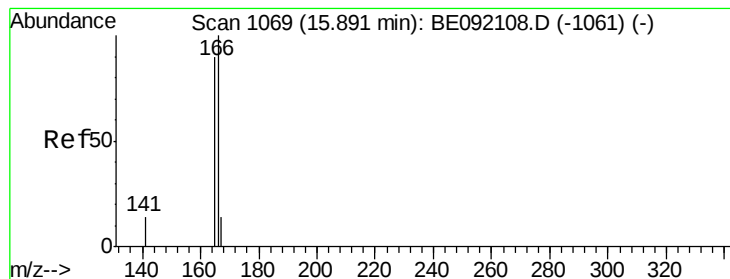
Tgt Ion:152 Resp: 23488  
Ion Ratio Lower Upper  
152 100  
151 4.9 4.0 6.0  
153 13.2 9.6 14.4



#14  
Acenaphthene  
Concen: 0.39 ng  
RT: 14.90 min Scan# 1002  
Delta R.T. 0.00 min  
Lab File: BE092182.D  
Acq: 4 Aug 2016 14:40

Tgt Ion:154 Resp: 3882  
Ion Ratio Lower Upper  
154 100  
153 441.7 345.1 517.7  
152 217.0 0.0 0.0#





#15

Fluorene

Concen: 0.38 ng

RT: 15.88 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

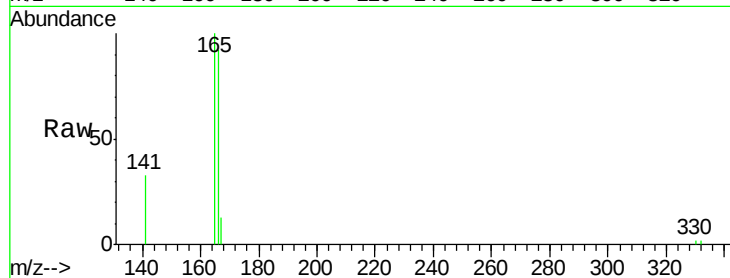
Tgt Ion:166 Resp: 4689

Ion Ratio Lower Upper

166 100

165 99.1 78.6 118.0

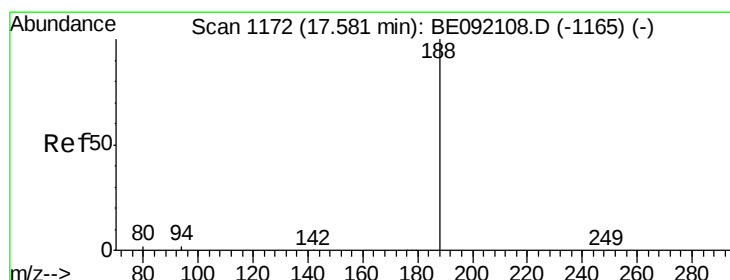
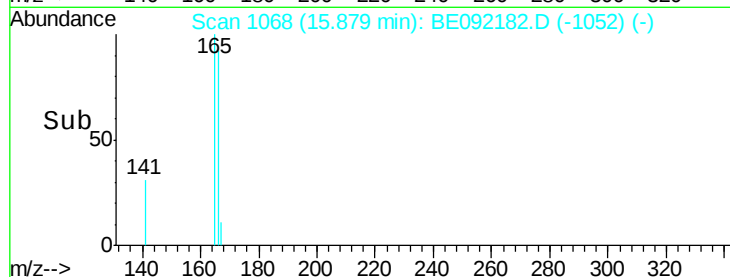
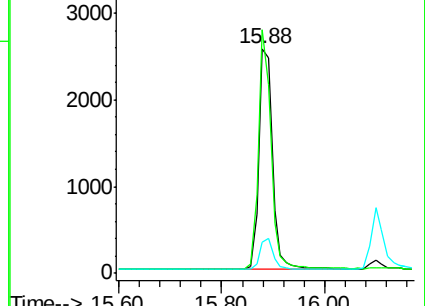
167 13.3 11.1 16.7



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



#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

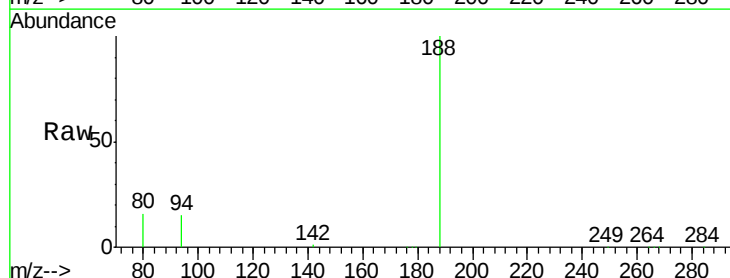
Tgt Ion:188 Resp: 80508

Ion Ratio Lower Upper

188 100

94 15.5 3.9 5.9#

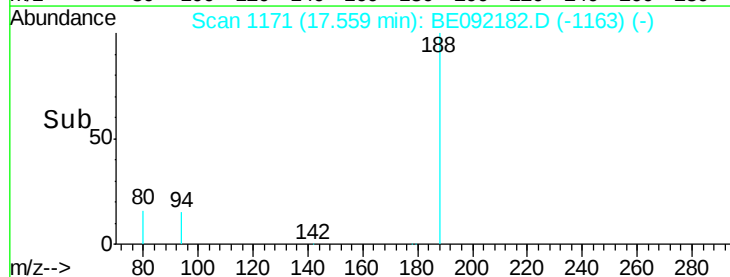
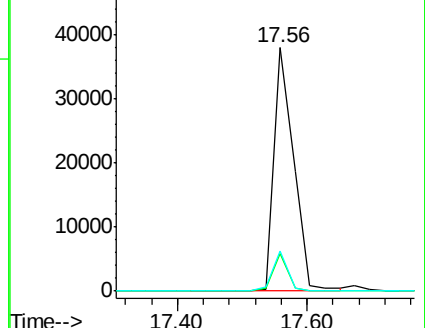
80 16.3 3.4 5.0#



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

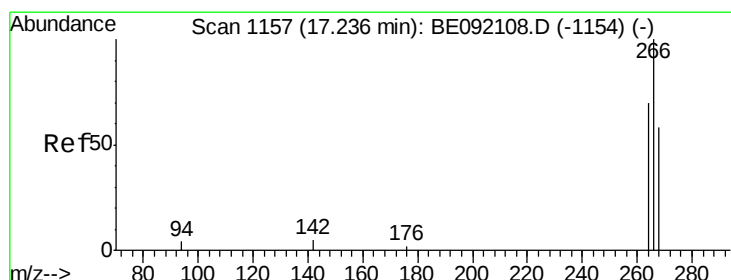
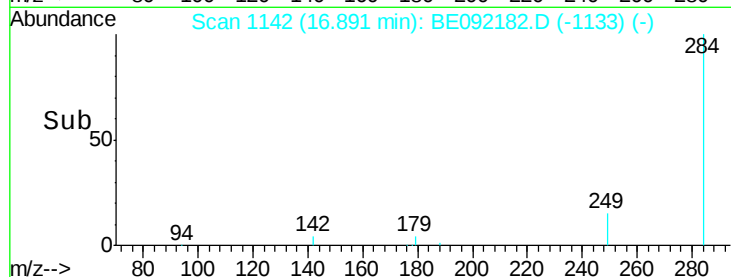
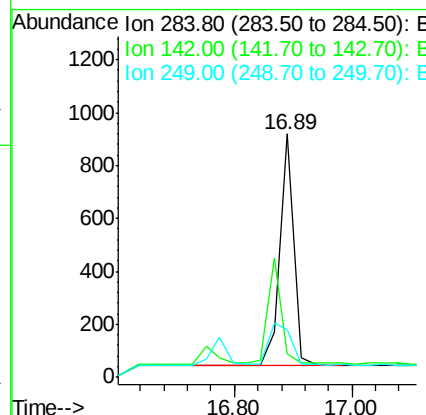
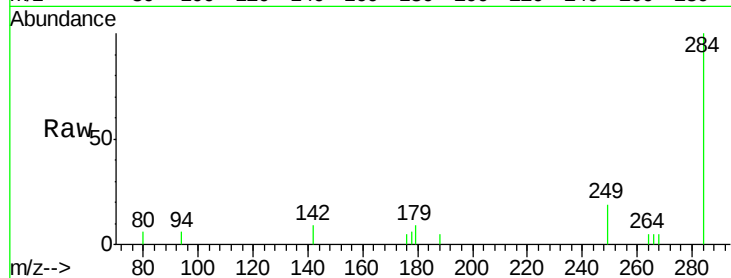




#17  
Hexachlorobenzene  
Concen: 0.37 ng  
RT: 16.89 min Scan# 1142  
Delta R.T. 0.00 min  
Lab File: BE092182.D  
Acq: 4 Aug 2016 14:40

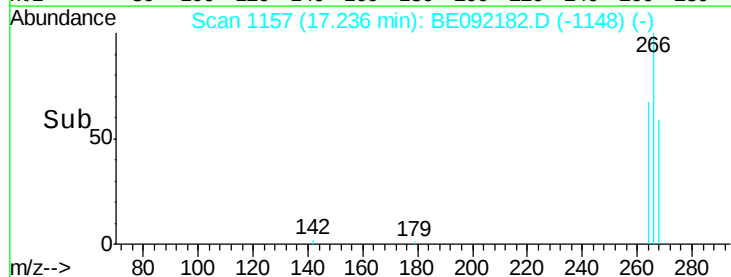
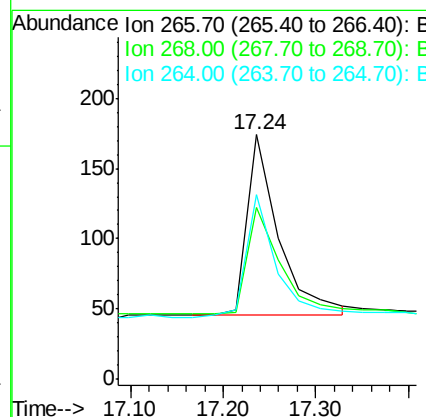
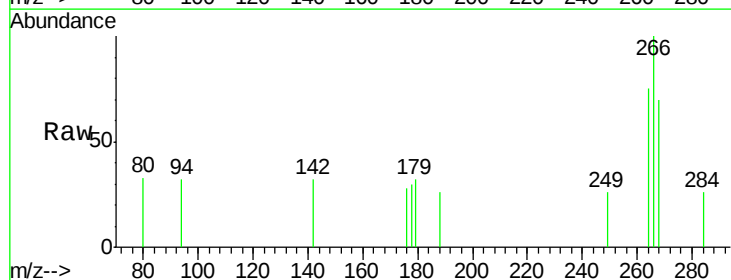
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

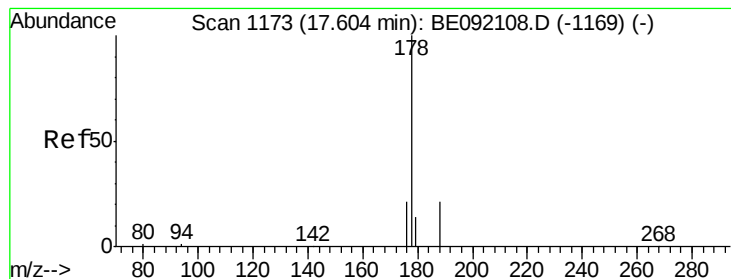
Tgt Ion: 284 Resp: 1449  
Ion Ratio Lower Upper  
284 100  
142 0.0 33.3 49.9#  
249 0.0 25.4 38.0#



#18  
Pentachlorophenol  
Concen: 0.40 ng  
RT: 17.24 min Scan# 1157  
Delta R.T. 0.00 min  
Lab File: BE092182.D  
Acq: 4 Aug 2016 14:40

Tgt Ion: 266 Resp: 311  
Ion Ratio Lower Upper  
266 100  
268 70.1 62.7 94.1  
264 75.3 63.5 95.3





#19

Phenanthrene

Concen: 0.36 ng

RT: 17.60 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

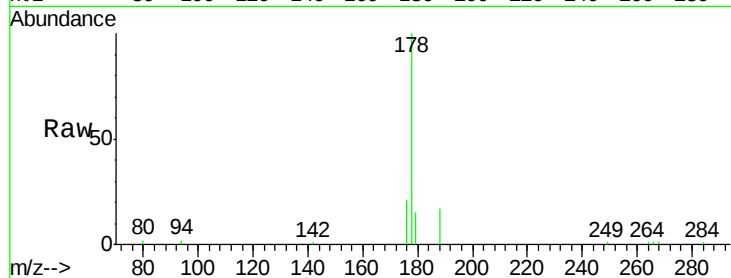
Tgt Ion:178 Resp: 8739

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

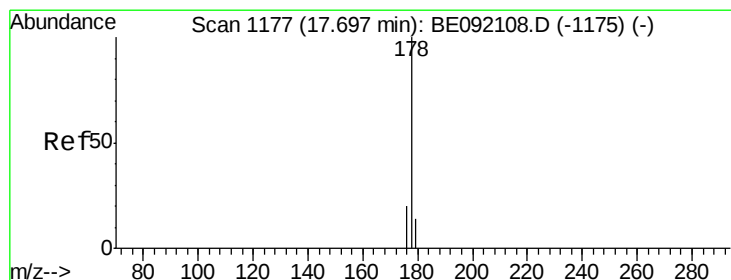
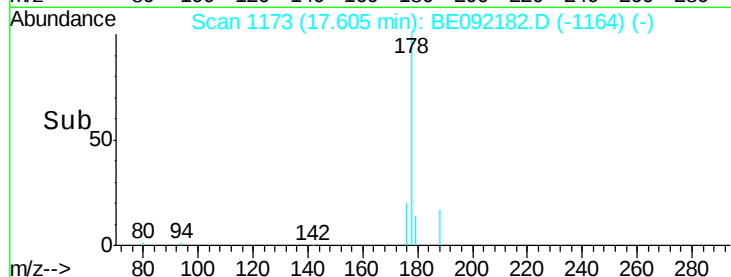
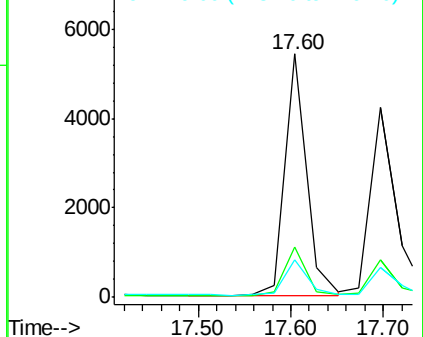
179 15.5 12.7 19.1



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



#20

Anthracene

Concen: 0.36 ng

RT: 17.70 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

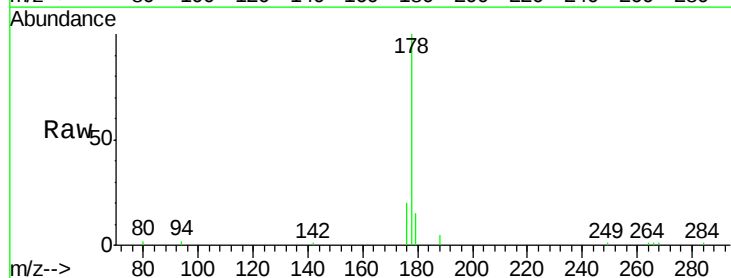
Tgt Ion:178 Resp: 7670

Ion Ratio Lower Upper

178 100

176 18.5 15.2 22.8

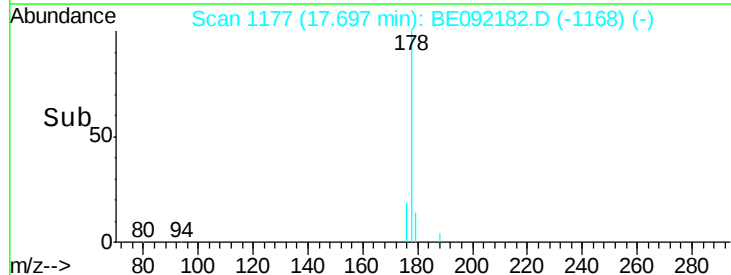
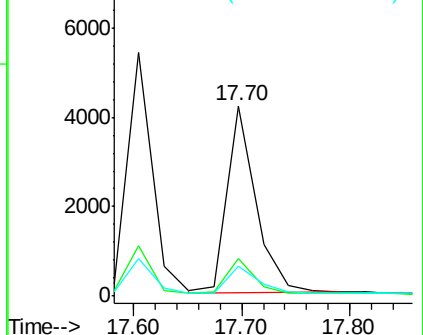
179 15.2 12.2 18.4



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





#21

Fluoranthene

Concen: 0.35 ng

RT: 19.63 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

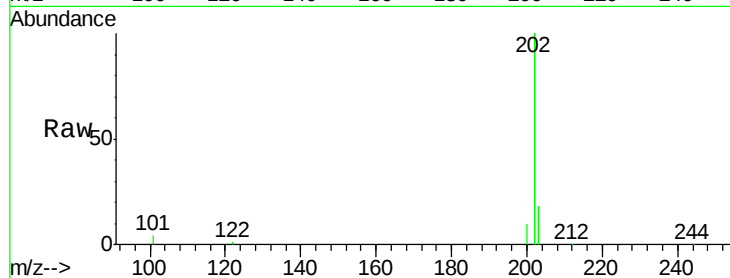
Tgt Ion:202 Resp: 34862

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.2

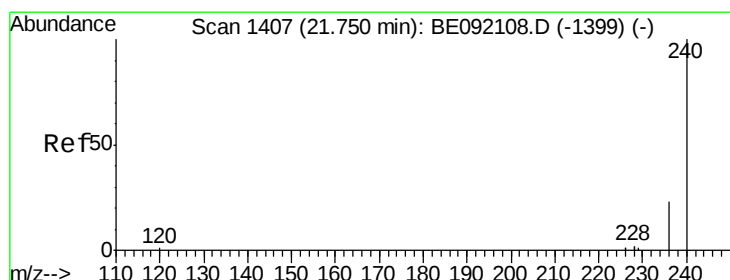
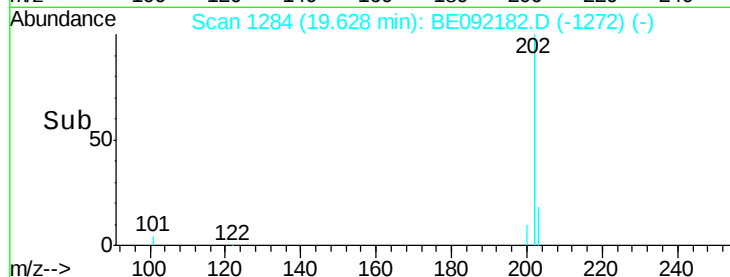
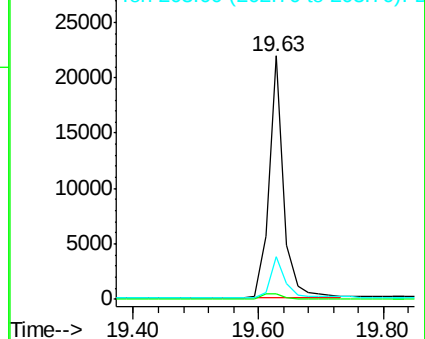
203 17.3 13.0 19.4



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



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

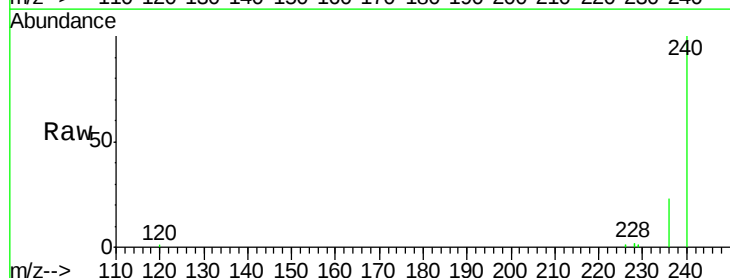
Tgt Ion:240 Resp: 91261

Ion Ratio Lower Upper

240 100

120 1.5 0.6 1.0#

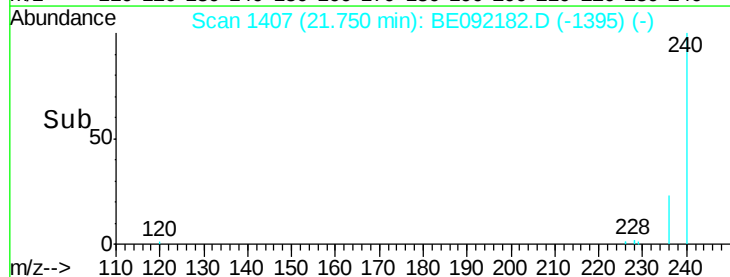
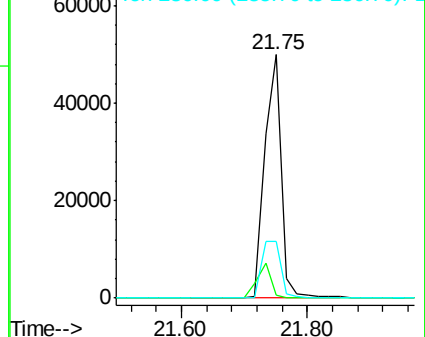
236 23.2 18.2 27.4

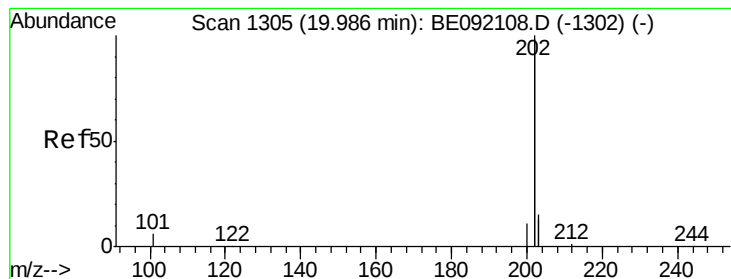


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#23

Pyrene

Concen: 0.40 ng

RT: 19.99 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

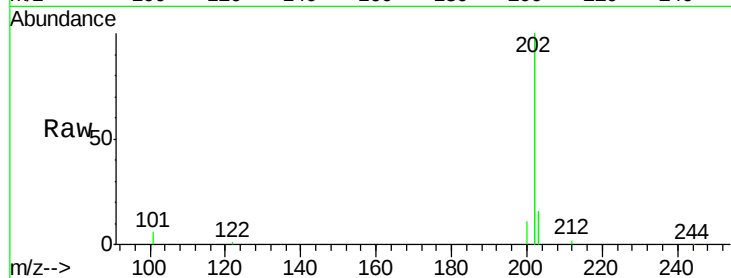
Tgt Ion:202 Resp: 38329

Ion Ratio Lower Upper

202 100

200 5.3 4.4 6.6

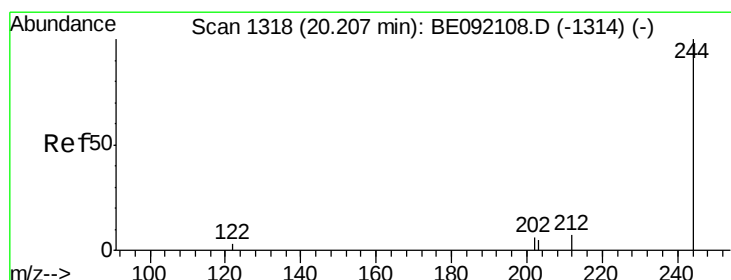
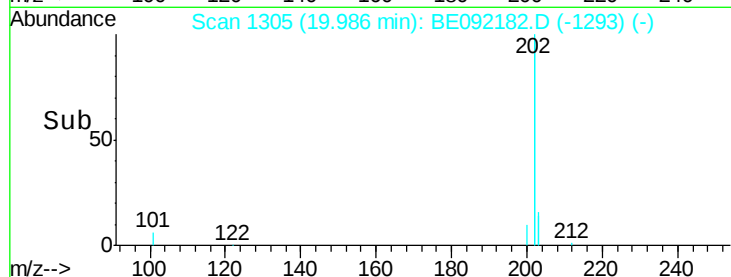
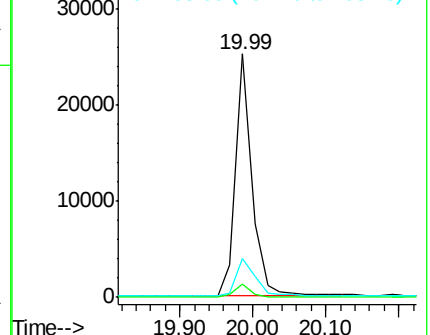
203 17.2 13.4 20.0



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



#24

Terphenyl-d14

Concen: 0.43 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

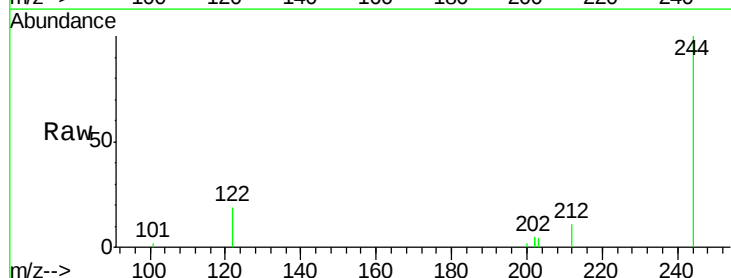
Tgt Ion:244 Resp: 5631

Ion Ratio Lower Upper

244 100

212 11.2 9.1 13.7

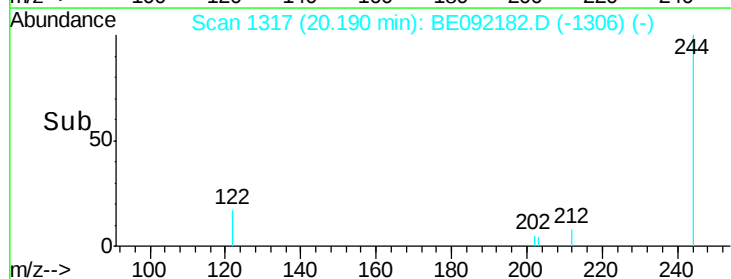
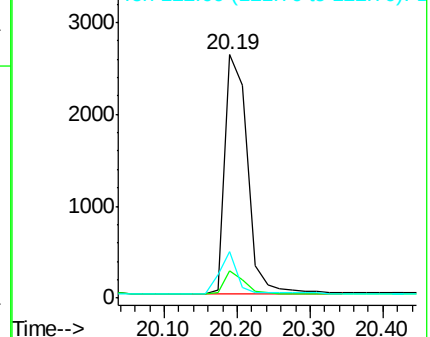
122 18.9 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

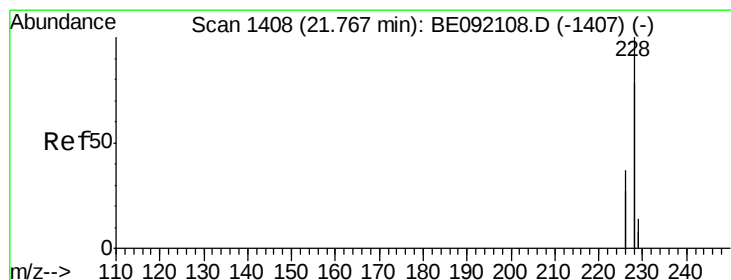
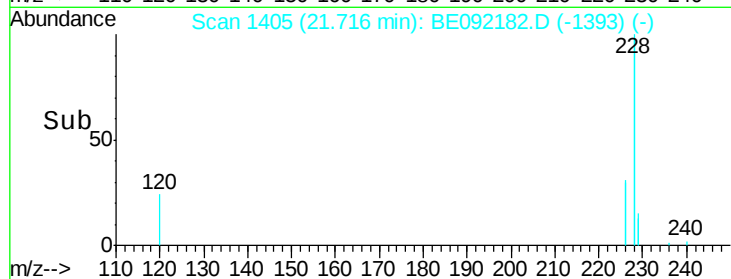
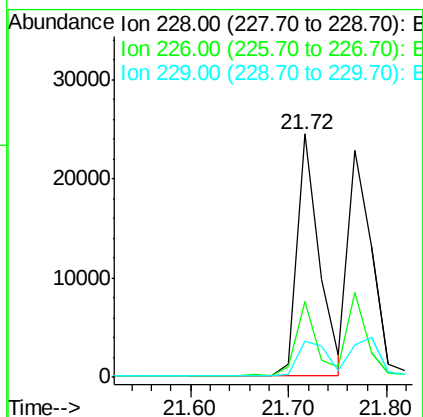
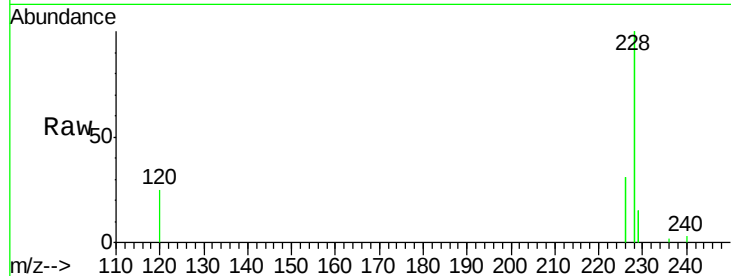




#25  
Benzo(a)anthracene  
Concen: 0.38 ng  
RT: 21.72 min Scan# 1405  
Delta R.T. 0.00 min  
Lab File: BE092182.D  
Acq: 4 Aug 2016 14:40

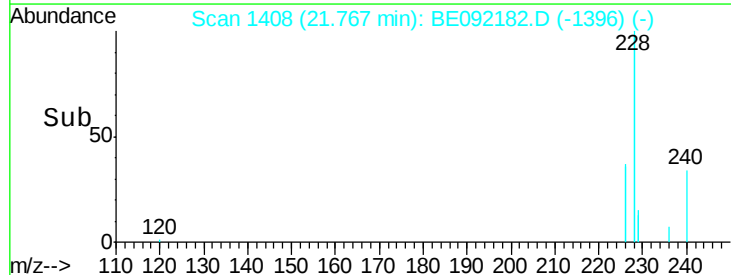
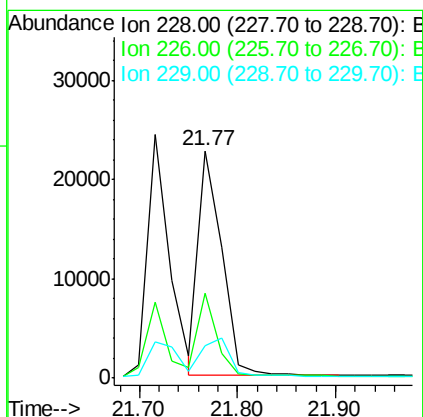
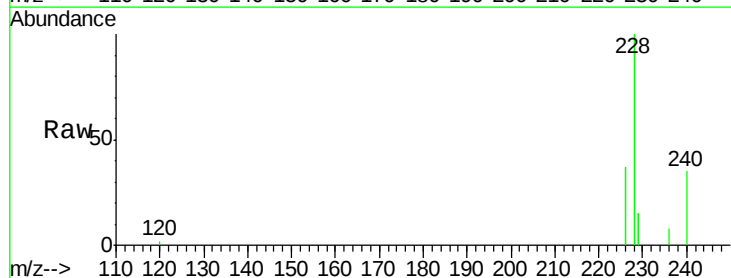
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

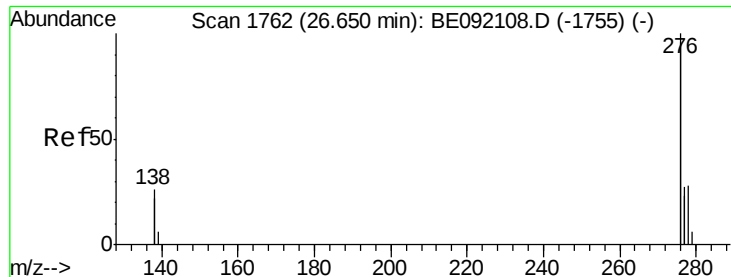
Tgt Ion:228 Resp: 37753  
Ion Ratio Lower Upper  
228 100  
226 31.3 22.1 33.1  
229 15.0 15.1 22.7#



#26  
Chrysene  
Concen: 0.38 ng  
RT: 21.77 min Scan# 1408  
Delta R.T. 0.00 min  
Lab File: BE092182.D  
Acq: 4 Aug 2016 14:40

Tgt Ion:228 Resp: 38034  
Ion Ratio Lower Upper  
228 100  
226 37.4 22.3 33.5#  
229 14.6 16.9 25.3#

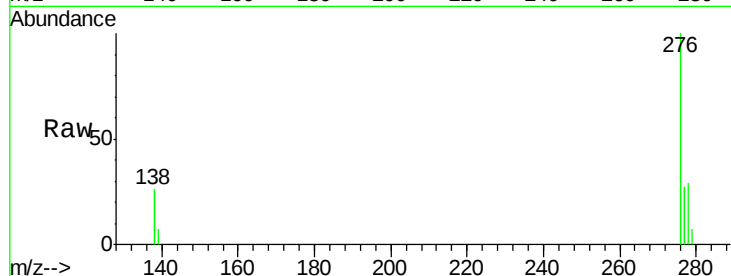




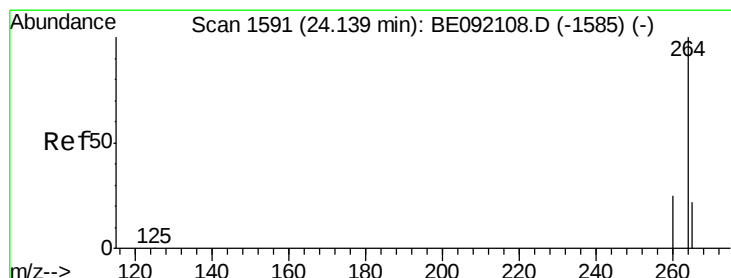
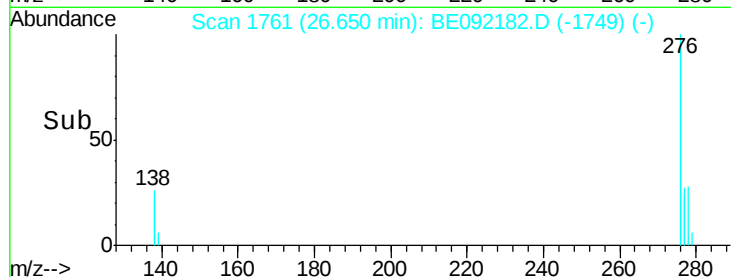
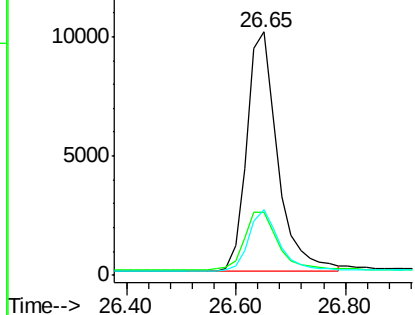
#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.36 ng  
 RT: 26.65 min Scan# 1761  
 Delta R.T. -0.00 min  
 Lab File: BE092182.D  
 Acq: 4 Aug 2016 14:40

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTCCCC0.4EC

Tgt Ion: 276 Resp: 39054  
 Ion Ratio Lower Upper  
 276 100  
 138 27.3 21.2 31.8  
 277 24.8 19.8 29.8

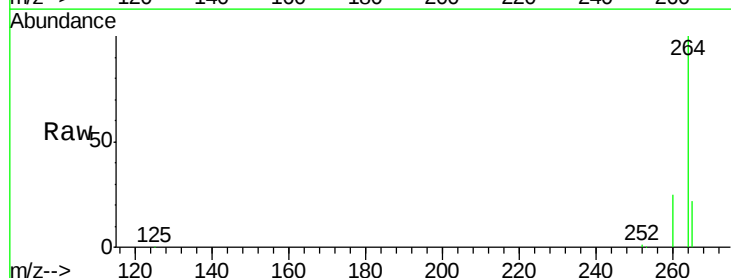


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

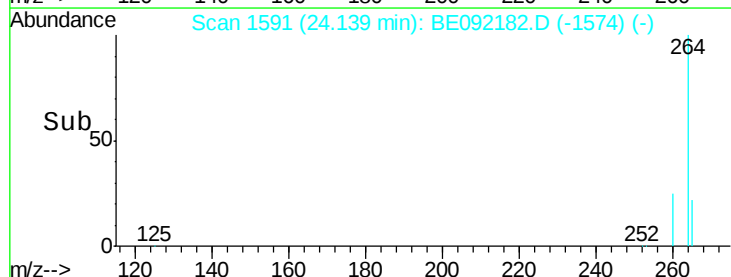
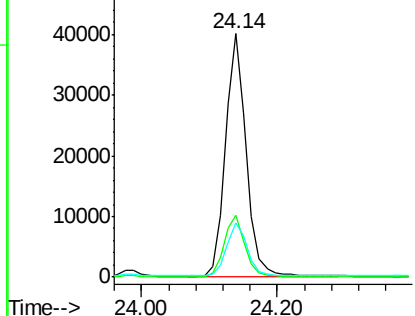


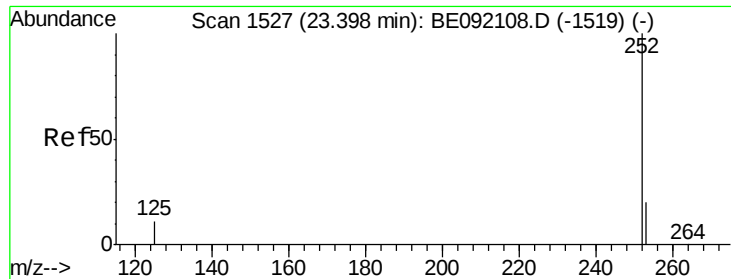
#28  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 24.14 min Scan# 1591  
 Delta R.T. 0.00 min  
 Lab File: BE092182.D  
 Acq: 4 Aug 2016 14:40

Tgt Ion: 264 Resp: 86280  
 Ion Ratio Lower Upper  
 264 100  
 260 25.2 20.8 31.2  
 265 22.1 16.6 25.0



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E





#29

Benzo(b)fluoranthene

Concen: 0.37 ng

RT: 23.40 min Scan# 1527

Delta R.T. 0.00 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC

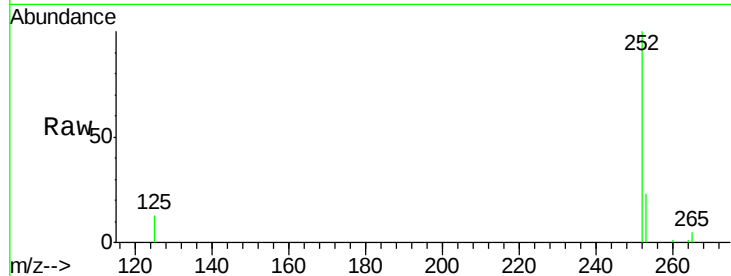
Tgt Ion:252 Resp: 8661

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

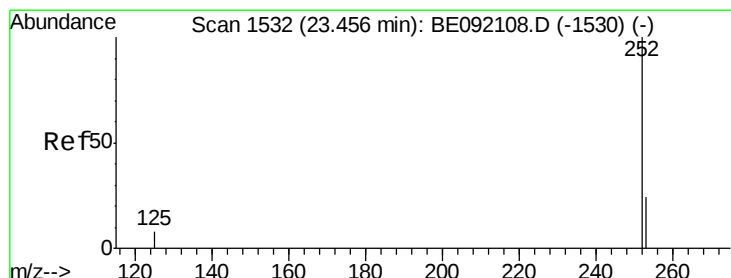
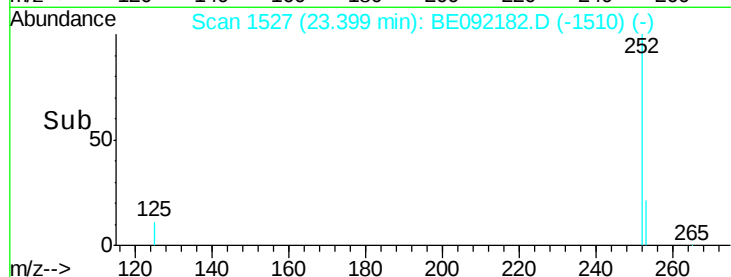
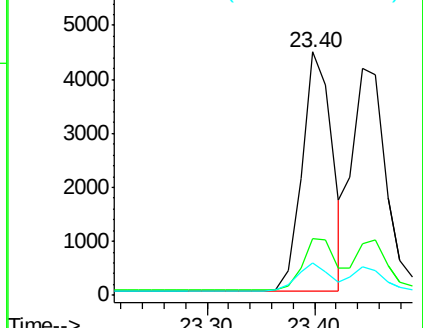
125 13.2 10.2 15.2



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



#30

Benzo(k)fluoranthene

Concen: 0.39 ng

RT: 23.44 min Scan# 1531

Delta R.T. -0.01 min

Lab File: BE092182.D

Acq: 4 Aug 2016 14:40

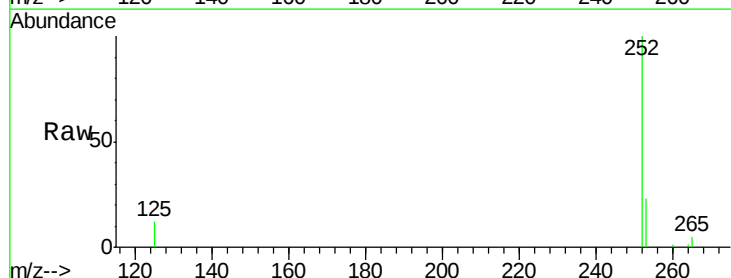
Tgt Ion:252 Resp: 9173

Ion Ratio Lower Upper

252 100

253 22.8 19.4 29.0

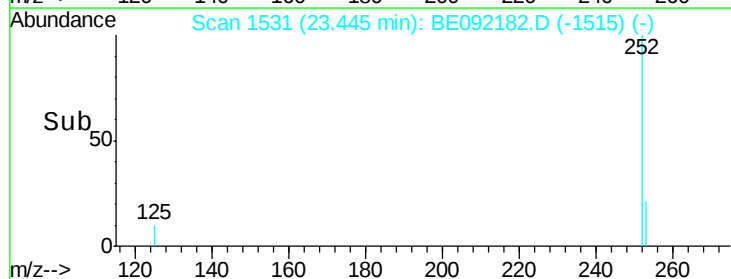
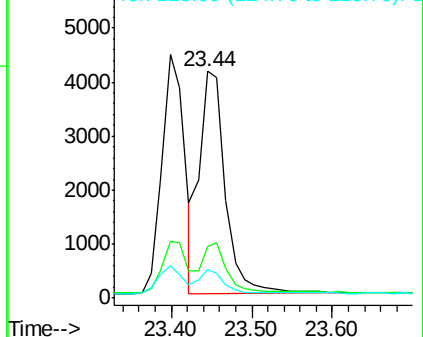
125 12.4 8.9 13.3

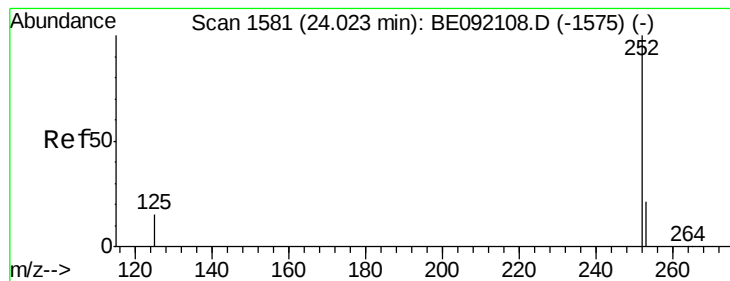


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

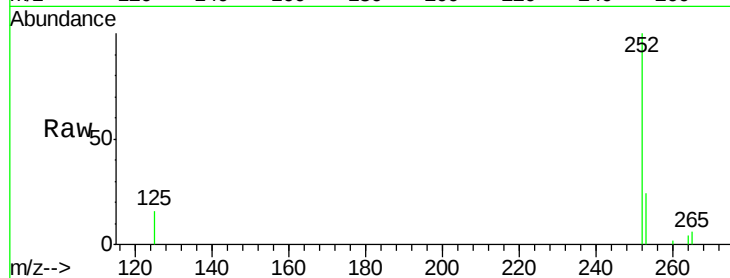




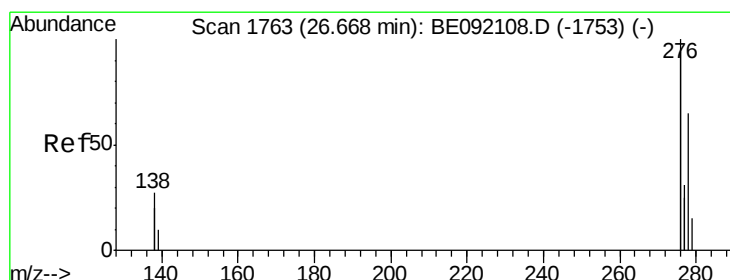
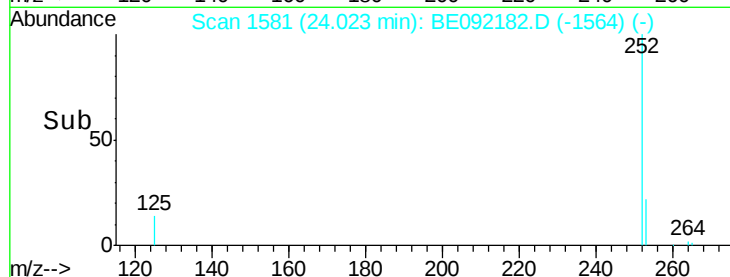
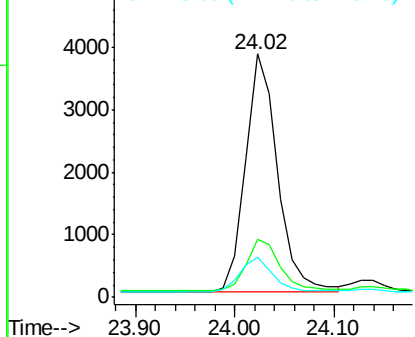
#31  
Benzo(a)pyrene  
Concen: 0.40 ng  
RT: 24.02 min Scan# 1581  
Delta R.T. 0.00 min  
Lab File: BE092182.D  
Acq: 4 Aug 2016 14:40

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4EC

Tgt Ion: 252 Resp: 8576  
Ion Ratio Lower Upper  
252 100  
253 23.9 19.8 29.8  
125 16.4 10.4 15.6#

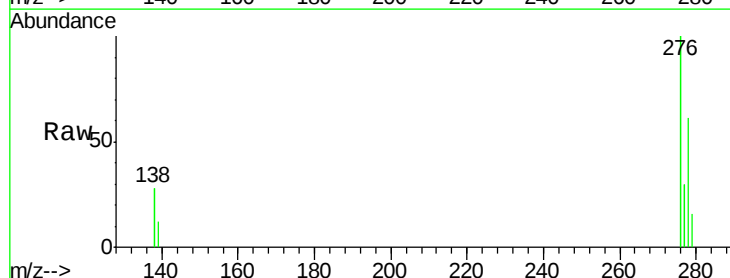


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

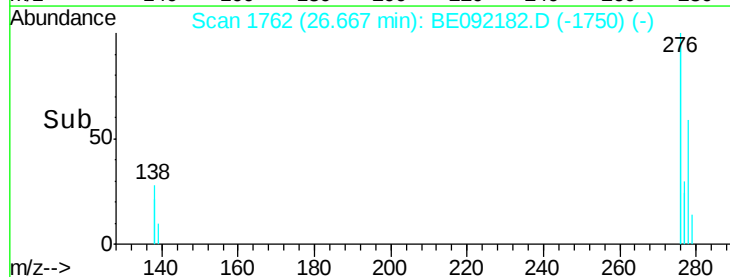
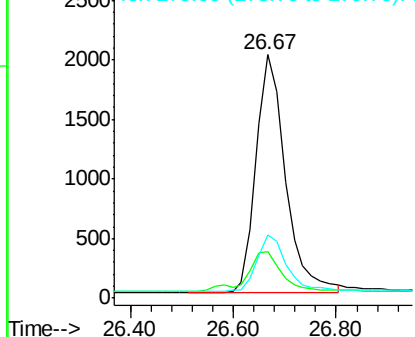


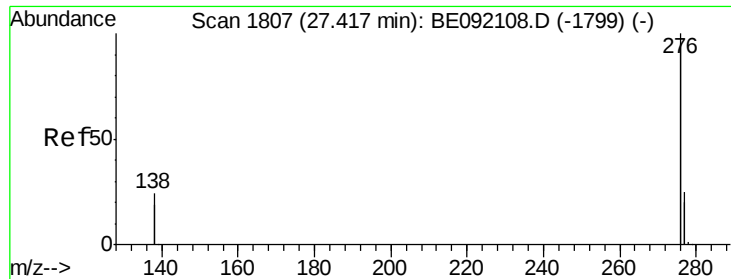
#32  
Dibenzo(a,h)anthracene  
Concen: 0.38 ng  
RT: 26.67 min Scan# 1762  
Delta R.T. -0.00 min  
Lab File: BE092182.D  
Acq: 4 Aug 2016 14:40

Tgt Ion: 278 Resp: 7879  
Ion Ratio Lower Upper  
278 100  
139 19.3 16.7 25.1  
279 25.9 20.3 30.5



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#33

Benzo(g,h,i)perylene

Concen: 0.37 ng

RT: 27.42 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BE092182.D

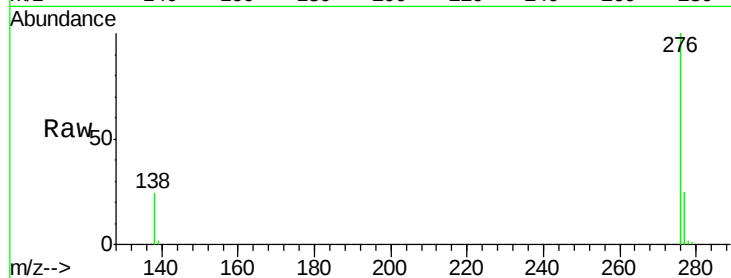
Acq: 4 Aug 2016 14:40

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4EC



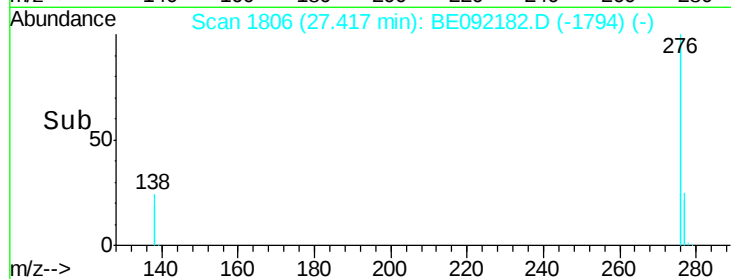
Tgt Ion: 276 Resp: 33134

Ion Ratio Lower Upper

276 100

277 25.2 19.5 29.3

138 24.0 20.8 31.2



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

