

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\  
 Data File : BE099176.D  
 Acq On : 25 Mar 2019 10:38  
 Operator : JU/SJ  
 Sample : SSTDICC0.1  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

Quant Time: Mar 25 14:13:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 25 14:07:14 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 3832     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.63 | 136  | 17245    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 12060    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.21 | 188  | 32366    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.39 | 240  | 35543    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.90 | 264  | 36518    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.41  | 112 | 1274  | 0.11 | ng | 0.00 |
| 5) Phenol-d6                | 6.99  | 99  | 1895  | 0.12 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.99  | 82  | 1476  | 0.20 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152 | 3593  | 0.12 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330 | 238   | 0.07 | ng | 0.01 |
| 15) 2-Fluorobiphenyl        | 13.10 | 172 | 5425  | 0.11 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.24 | 212 | 39231 | 0.09 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.83 | 244 | 7985  | 0.11 | ng | 0.00 |

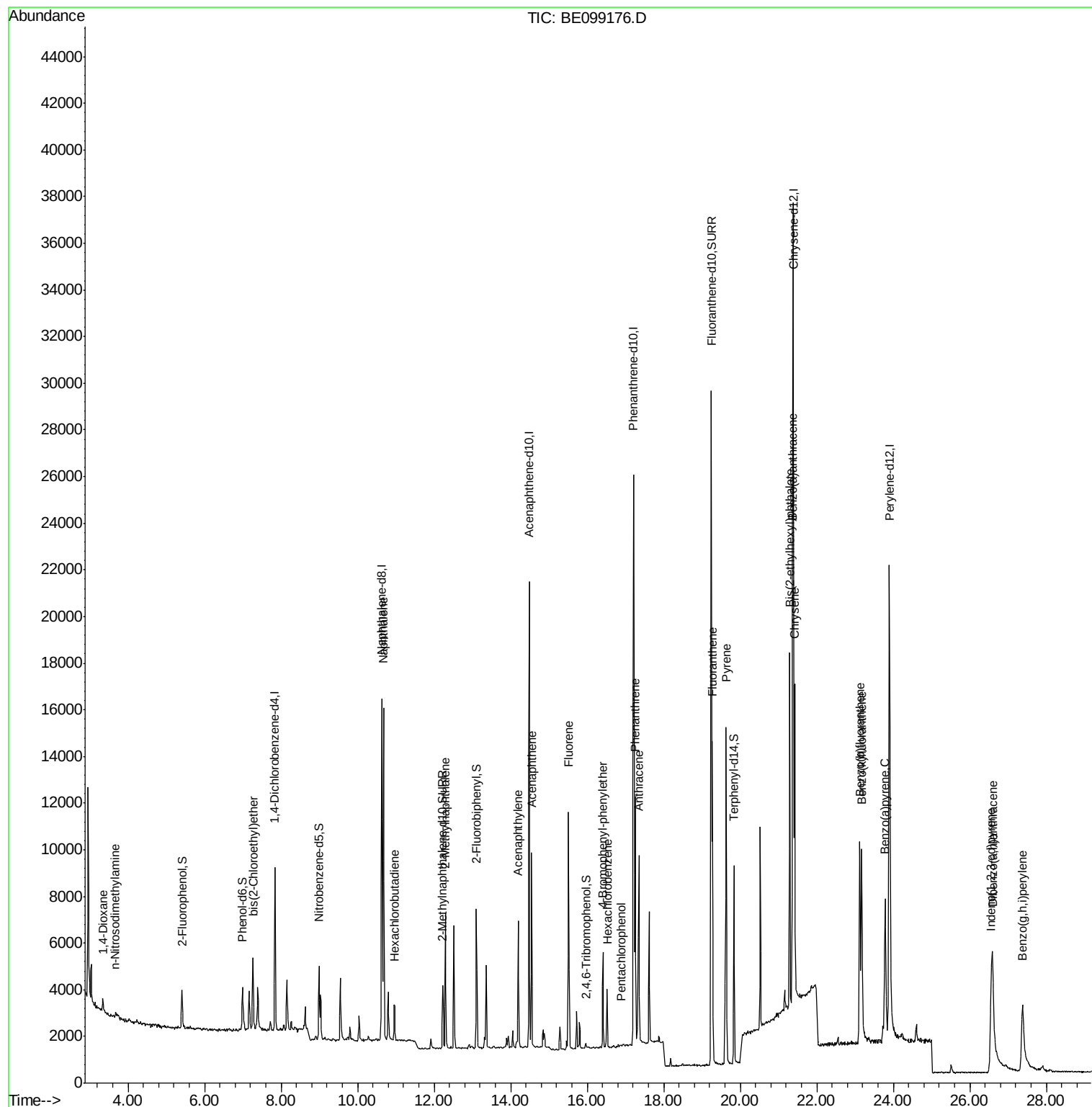
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.34  | 88  | 588   | 0.099  | ng | 98   |
| 3) n-Nitrosodimethylamine      | 3.67  | 42  | 104   | 0.034  | ng | # 1  |
| 6) bis(2-Chloroethyl)ether     | 7.27  | 93  | 1549  | 0.116  | ng | 90   |
| 9) Naphthalene                 | 10.68 | 128 | 22045 | 0.108  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.97 | 225 | 1218  | 0.123  | ng | 96   |
| 12) 2-Methylnaphthalene        | 12.30 | 142 | 3864  | 0.111  | ng | 95   |
| 16) Acenaphthylene             | 14.20 | 152 | 6289  | 0.098  | ng | 98   |
| 17) Acenaphthene               | 14.54 | 154 | 4009  | 0.105  | ng | 99   |
| 18) Fluorene                   | 15.51 | 166 | 5698  | 0.102  | ng | 100  |
| 20) 4-Bromophenyl-phenylether  | 16.41 | 248 | 2186  | 0.122  | ng | # 88 |
| 21) Hexachlorobenzene          | 16.52 | 284 | 2185  | 0.131  | ng | 99   |
| 22) Pentachlorophenol          | 16.88 | 266 | 80    | 0.263  | ng | # 73 |
| 23) Phenanthrene               | 17.25 | 178 | 10256 | 0.107  | ng | 99   |
| 24) Anthracene                 | 17.35 | 178 | 8705  | 0.096  | ng | 99   |
| 26) Fluoranthene               | 19.27 | 202 | 12661 | 0.094  | ng | 99   |
| 28) Pyrene                     | 19.63 | 202 | 13169 | 0.109  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.37 | 228 | 12757 | 0.102  | ng | 99   |
| 31) Chrysene                   | 21.43 | 228 | 13959 | 0.112  | ng | 97   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 17056 | 0.105  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.55 | 276 | 3927  | 0.029  | ng | # 46 |
| 35) Benzo(b)fluoranthene       | 23.12 | 252 | 12782 | 0.101  | ng | # 95 |
| 36) Benzo(k)fluoranthene       | 23.17 | 252 | 13437 | 0.109  | ng | # 96 |
| 37) Benzo(a)pyrene             | 23.78 | 252 | 11756 | 0.101  | ng | # 93 |
| 38) Dibenzo(a,h)anthracene     | 26.59 | 278 | 9673  | 0.085  | ng | # 89 |
| 39) Benzo(g,h,i)perylene       | 27.37 | 276 | 10548 | 0.090  | ng | # 93 |

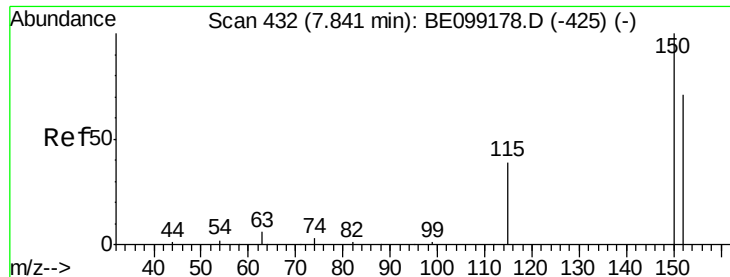
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 25 14:07:14 2019  
Response via : Initial Calibration



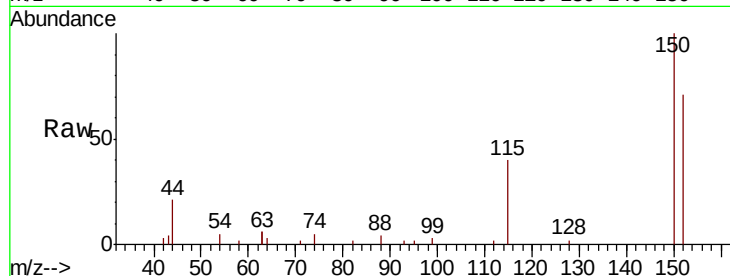


#1

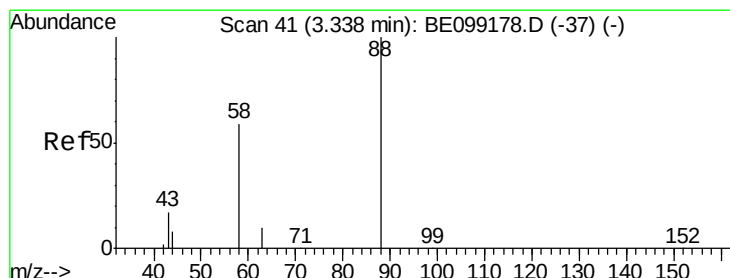
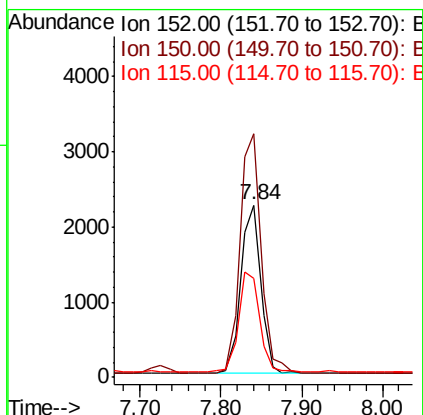
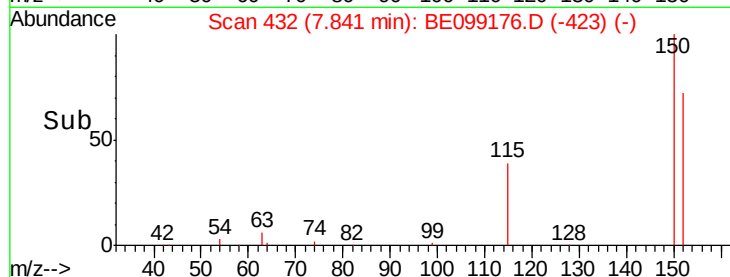
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.84 min Scan# 432  
Delta R.T. 0.00 min  
Lab File: BE099176.D  
Acq: 25 Mar 2019 10:38

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

Tot Ion:152 Resp: 3832  
Ion Ratio Lower Upper  
152 100  
150 141.2 112.8 169.2  
115 57.1 45.1 67.7



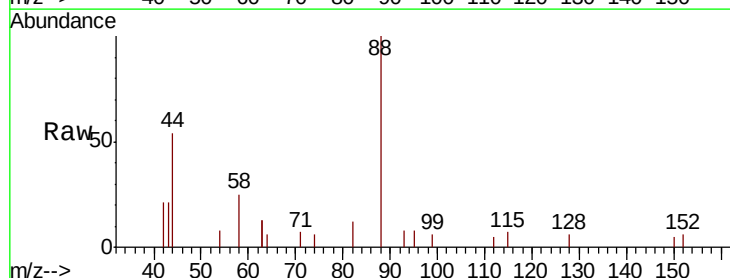
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



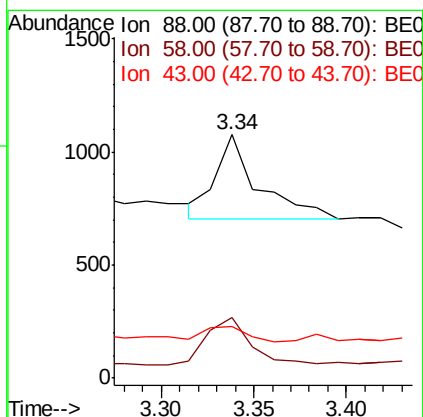
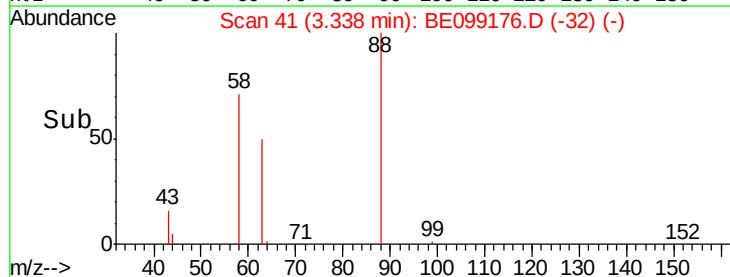
#2

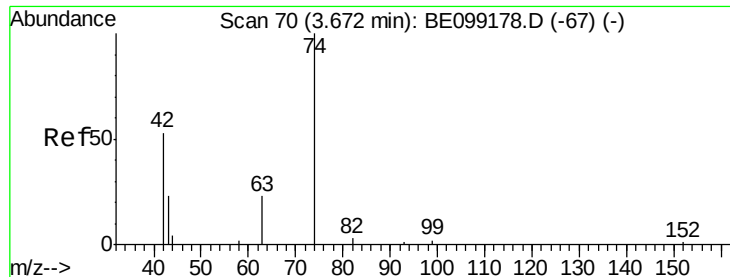
1,4-Dioxane  
Concen: 0.099 ng  
RT: 3.34 min Scan# 41  
Delta R.T. 0.00 min  
Lab File: BE099176.D  
Acq: 25 Mar 2019 10:38

Tgt Ion: 88 Resp: 588  
Ion Ratio Lower Upper  
88 100  
58 58.7 47.4 71.0  
43 22.4 15.6 23.4



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



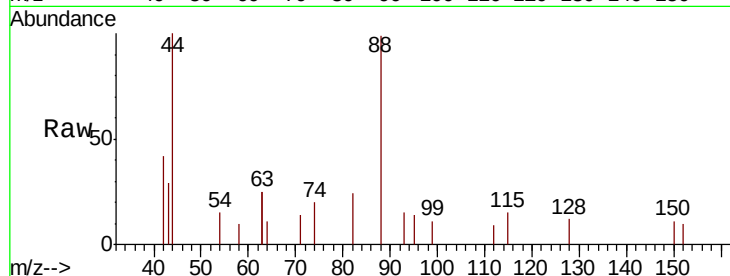


#3

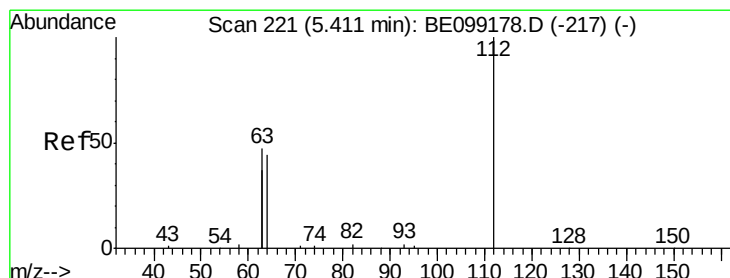
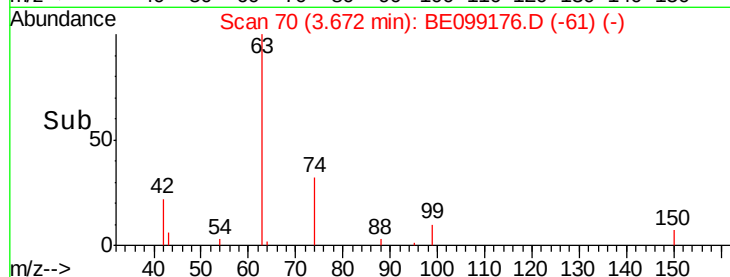
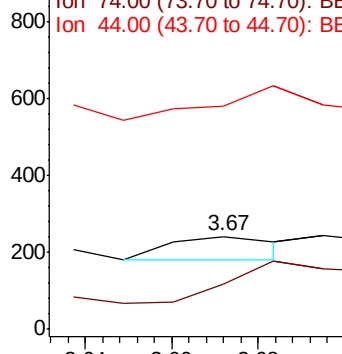
n-Nitrosodimethylamine  
 Concen: 0.034 ng  
 RT: 3.67 min Scan# 70  
 Delta R.T. 0.00 min  
 Lab File: BE099176.D  
 Acq: 25 Mar 2019 10:38

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

| Tot Ion   | 42    | Resp  | 104    |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 308.7 | 138.6 | 207.8# |
| 44        | 151.9 | 15.0  | 22.6#  |



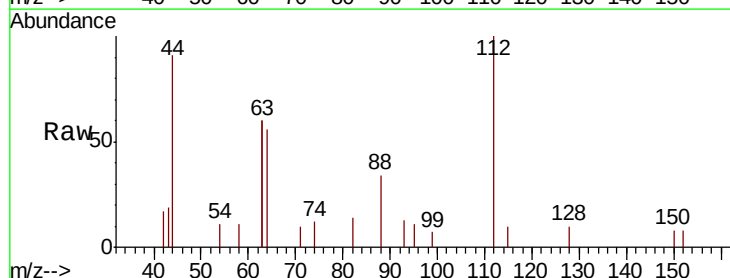
Abundance Ion 42.00 (41.70 to 42.70): BE0  
 Ion 74.00 (73.70 to 74.70): BE0  
 Ion 44.00 (43.70 to 44.70): BE0



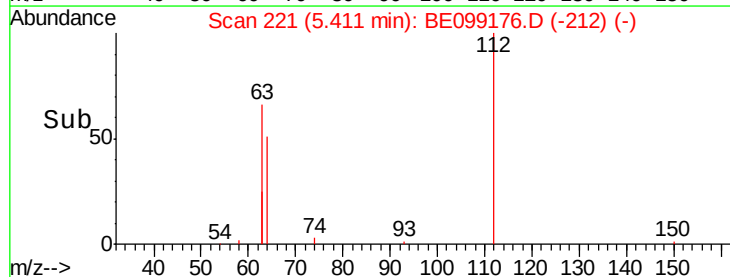
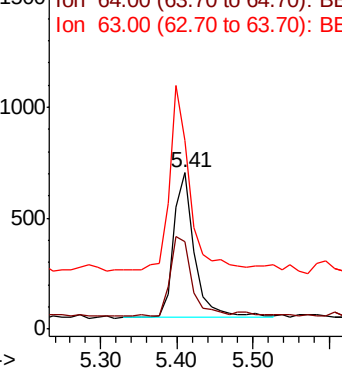
#4

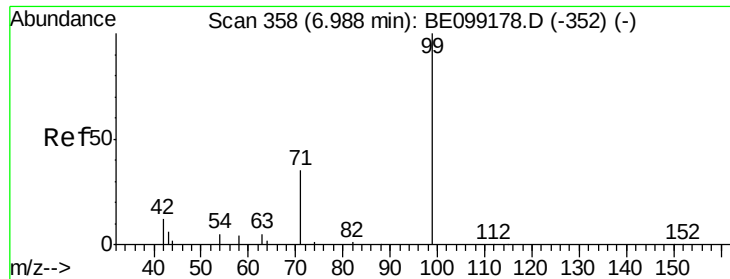
2-Fluorophenol  
 Concen: 0.112 ng  
 RT: 5.41 min Scan# 221  
 Delta R.T. 0.00 min  
 Lab File: BE099176.D  
 Acq: 25 Mar 2019 10:38

| Tgt Ion   | 112   | Resp  | 1274  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 56.0  | 46.2  | 69.2  |
| 63        | 118.9 | 89.9  | 134.9 |



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: 0.115 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

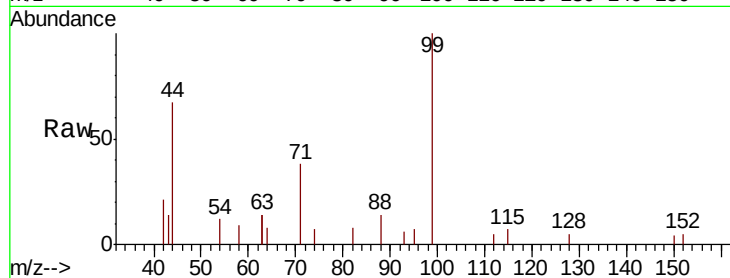
Tot Ion: 99 Resp: 1895

Ion Ratio Lower Upper

99 100

42 14.0 12.4 18.6

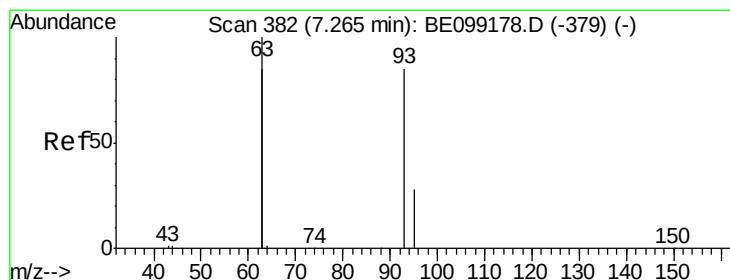
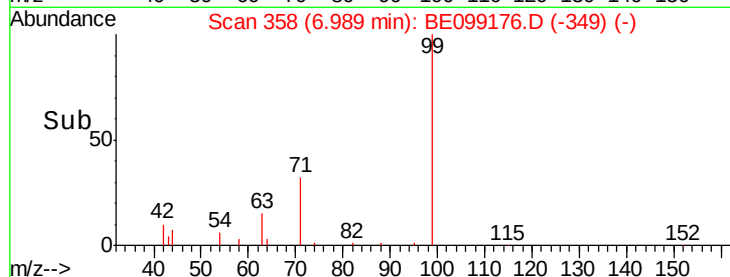
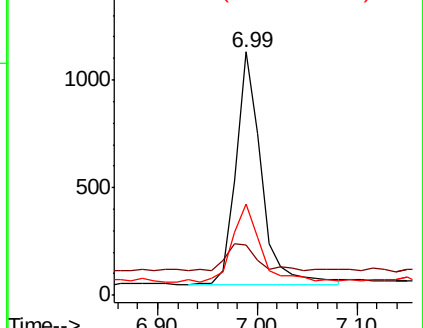
71 39.0 28.4 42.6



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: 0.116 ng

RT: 7.27 min Scan# 382

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

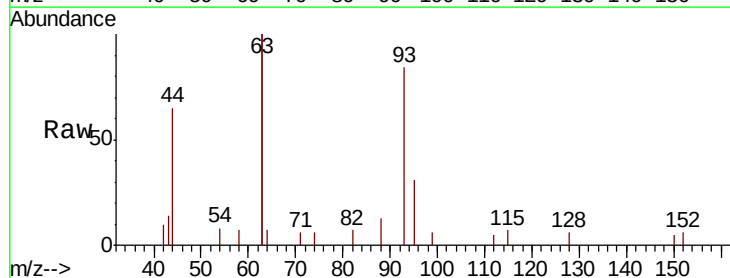
Tgt Ion: 93 Resp: 1549

Ion Ratio Lower Upper

93 100

63 256.2 221.4 332.0

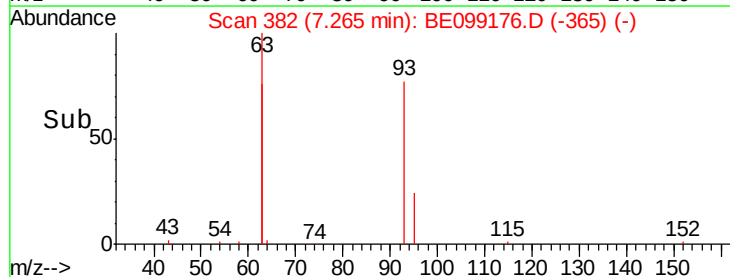
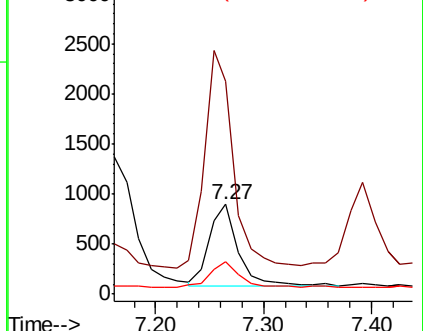
95 32.0 25.8 38.8

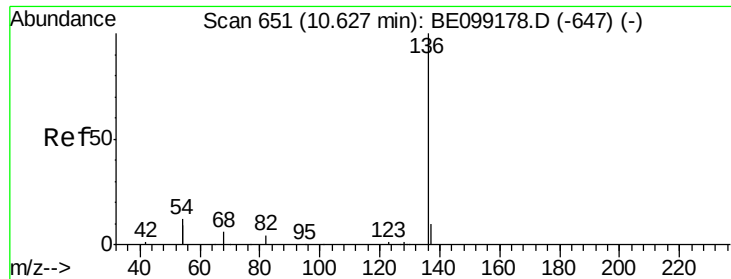


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

Tot Ion:136 Resp: 17245

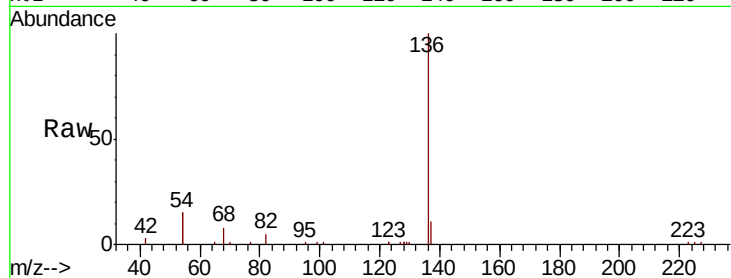
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 30.2 18.7 28.1#

68 7.6 5.2 7.8

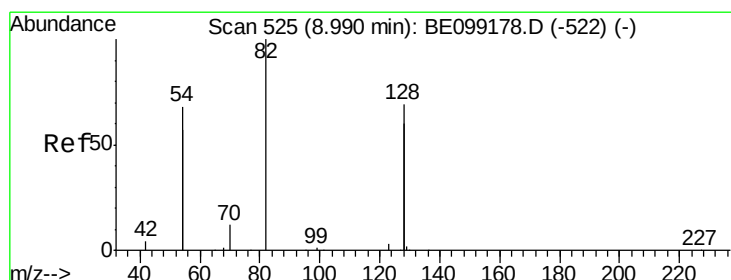
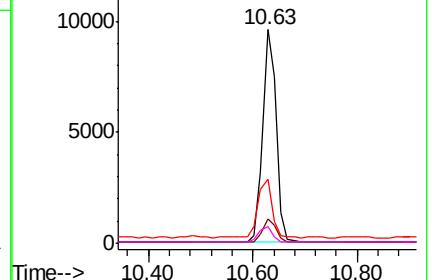
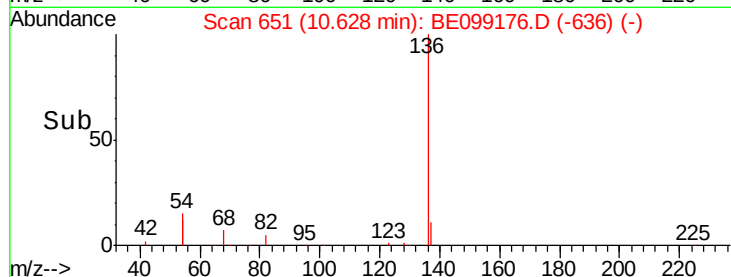


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.196 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

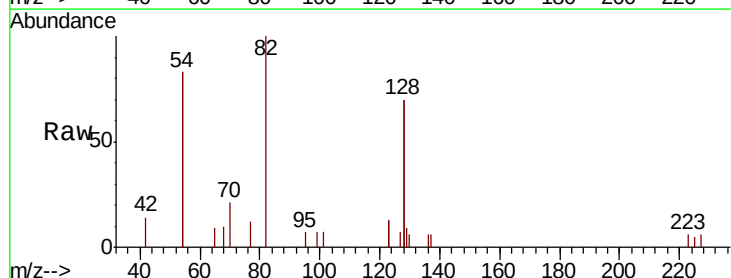
Tgt Ion: 82 Resp: 1476

Ion Ratio Lower Upper

82 100

128 140.9 107.5 161.3

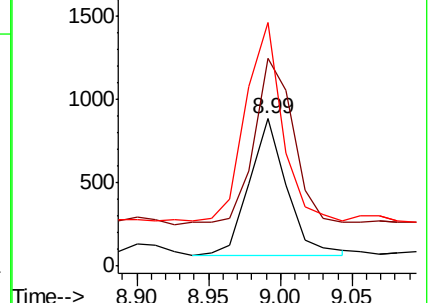
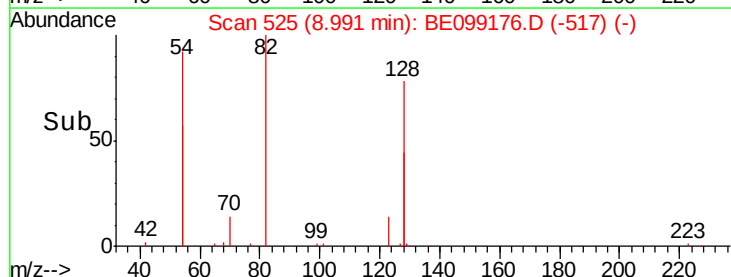
54 165.1 106.3 159.5#

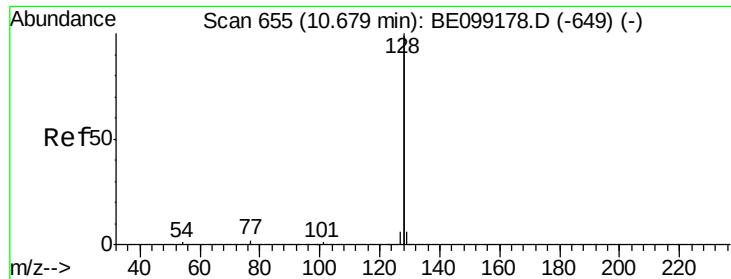


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.108 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

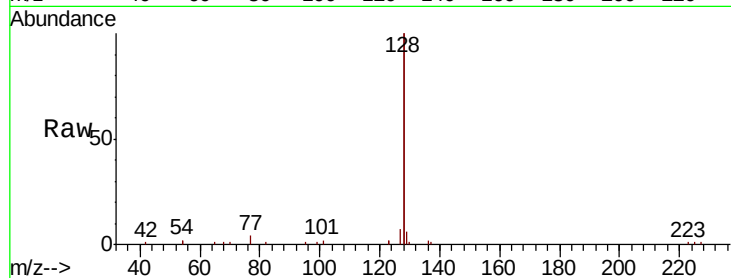
Tot Ion:128 Resp: 22045

Ion Ratio Lower Upper

128 100

129 3.1 2.3 3.5

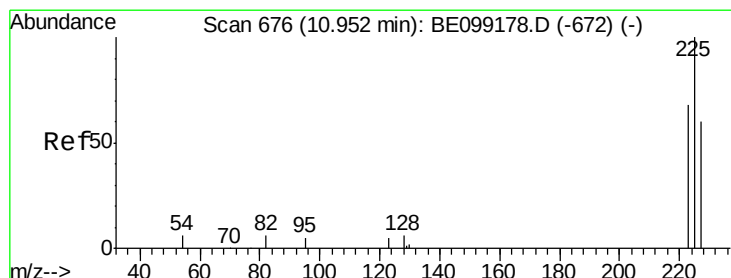
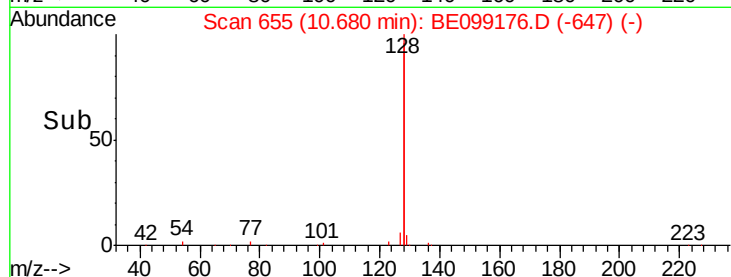
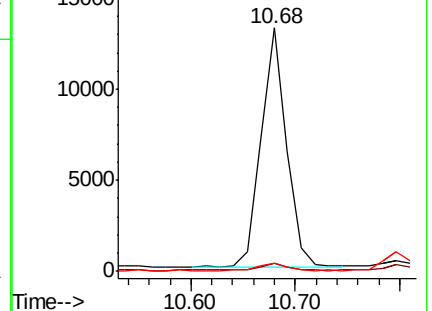
127 3.6 2.6 3.8



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: 0.123 ng

RT: 10.97 min Scan# 677

Delta R.T. 0.01 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

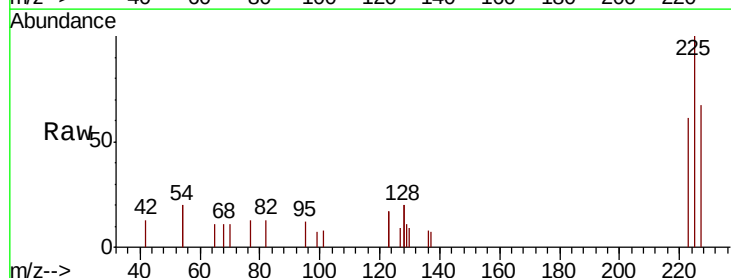
Tgt Ion:225 Resp: 1218

Ion Ratio Lower Upper

225 100

223 61.6 51.3 76.9

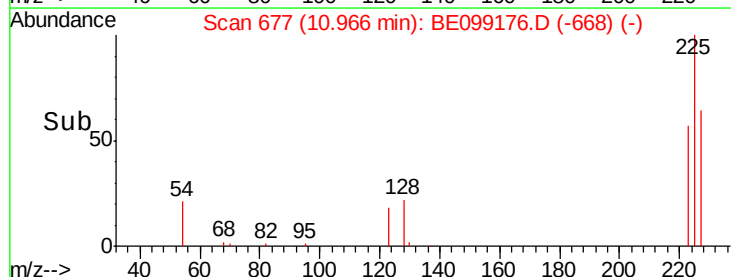
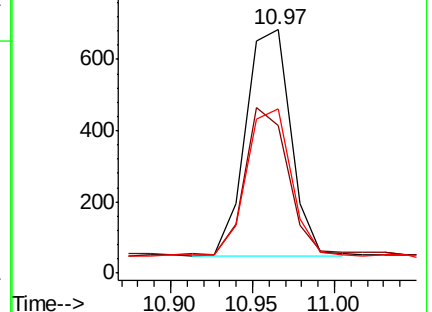
227 64.1 48.6 73.0

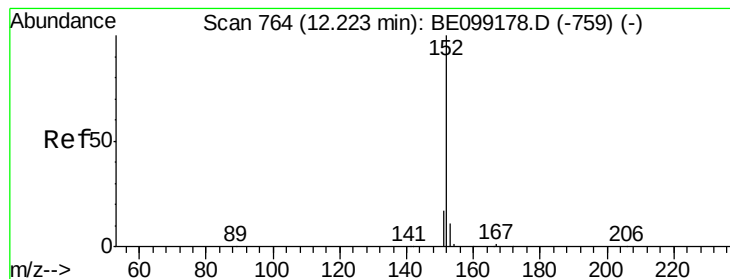


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.116 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA\_E

ClientSampleId :

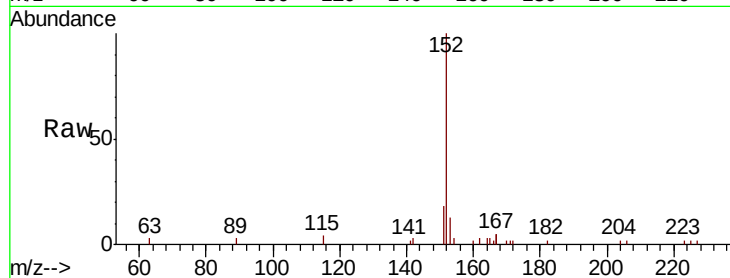
SSTDIC0.1

Tot Ion:152 Resp: 3593

Ion Ratio Lower Upper

152 100

151 18.1 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2500

2000

1500

1000

500

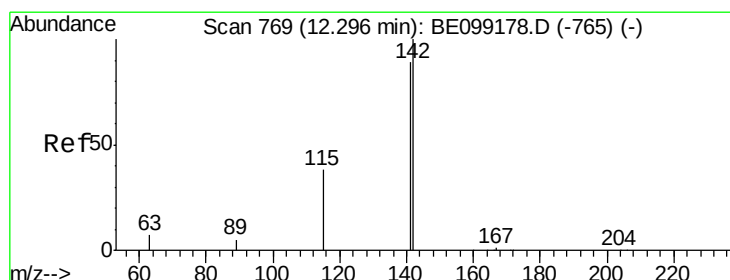
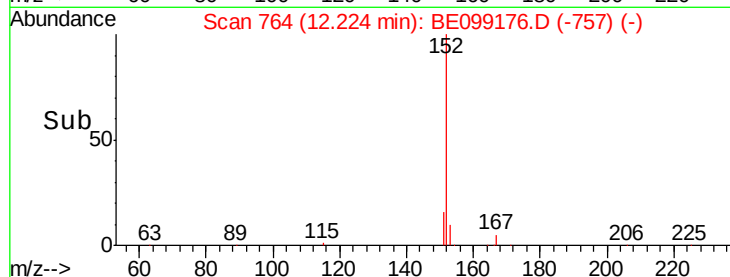
0

12.20

12.22

12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.111 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

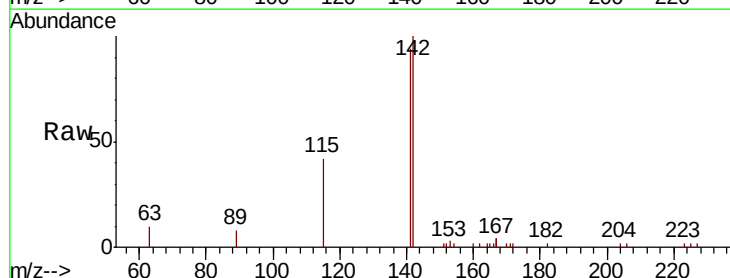
Tgt Ion:142 Resp: 3864

Ion Ratio Lower Upper

142 100

141 93.8 71.3 106.9

115 41.6 30.4 45.6



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

3000

2500

2000

1500

1000

500

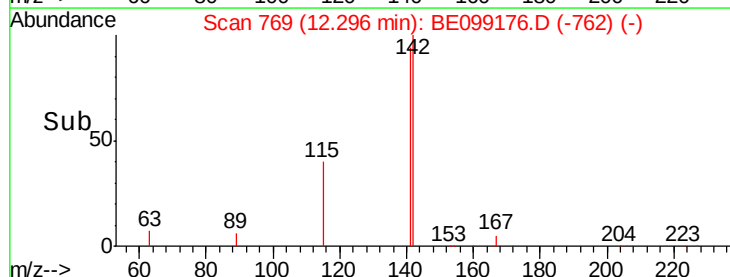
0

12.20

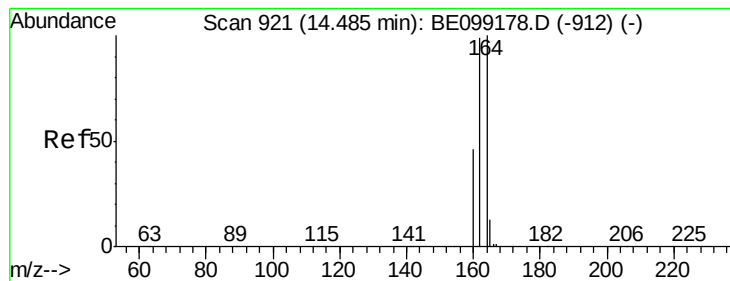
12.30

12.40

Time-->







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

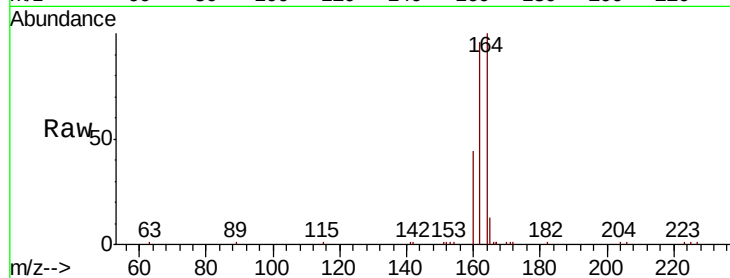
Tot Ion:164 Resp: 12060

Ion Ratio Lower Upper

164 100

162 96.5 79.2 118.8

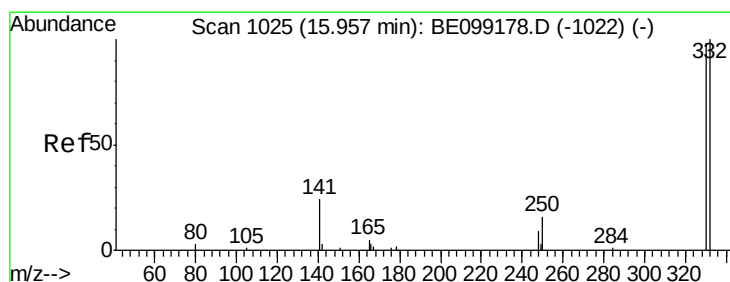
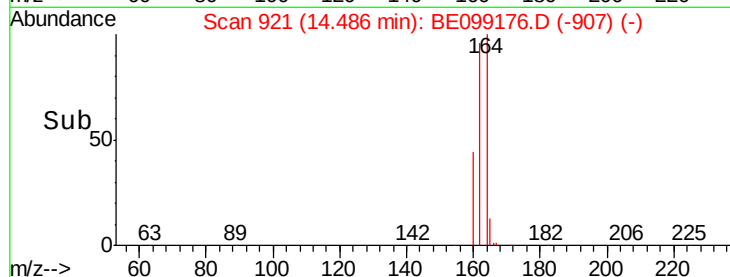
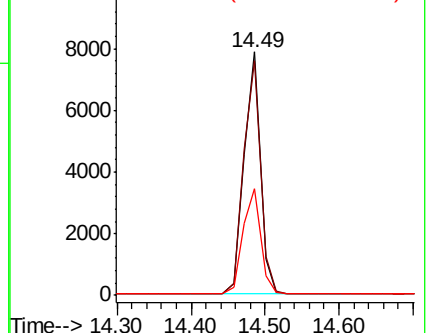
160 43.9 36.7 55.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.067 ng

RT: 15.97 min Scan# 1026

Delta R.T. 0.01 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

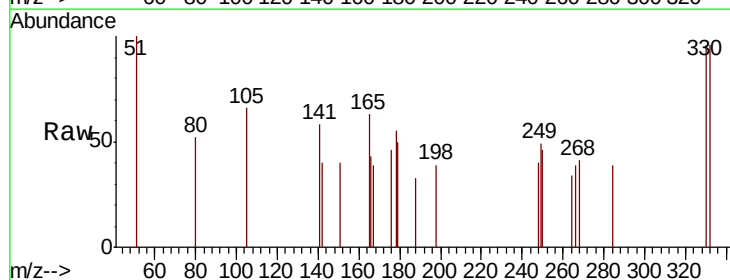
Tgt Ion:330 Resp: 238

Ion Ratio Lower Upper

330 100

332 97.1 71.3 106.9

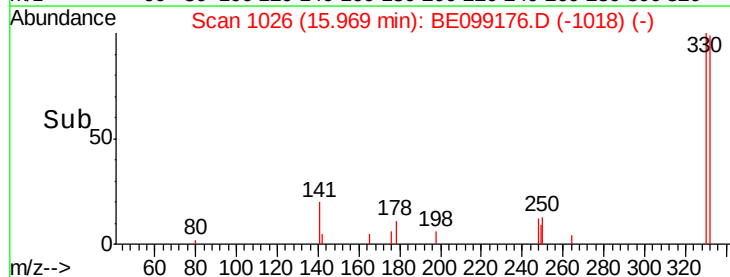
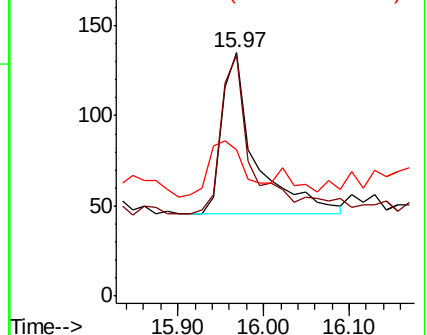
141 37.0 21.7 32.5#

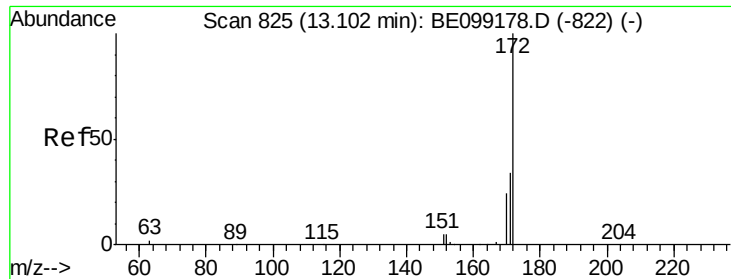


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

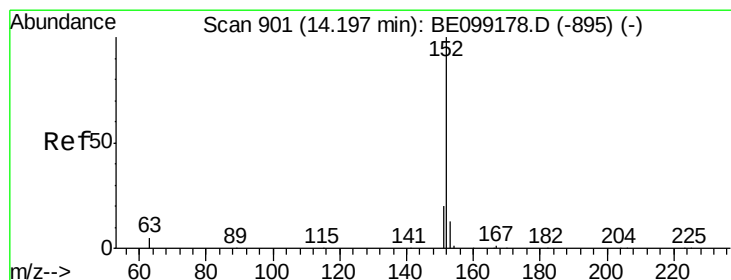
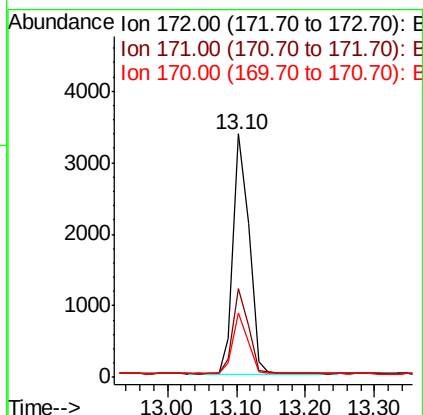
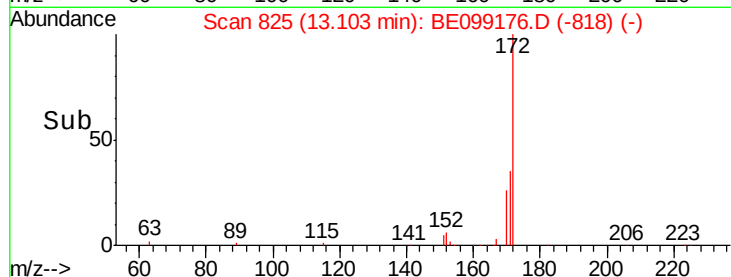
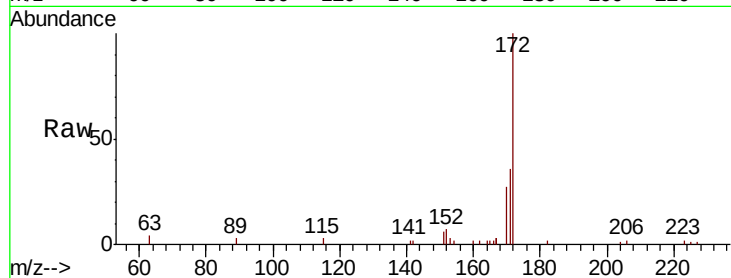




#15  
2-Fluorobiphenyl  
Concen: 0.113 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE099176.D  
Acq: 25 Mar 2019 10:38

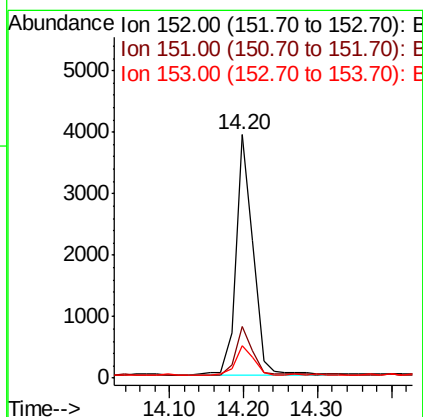
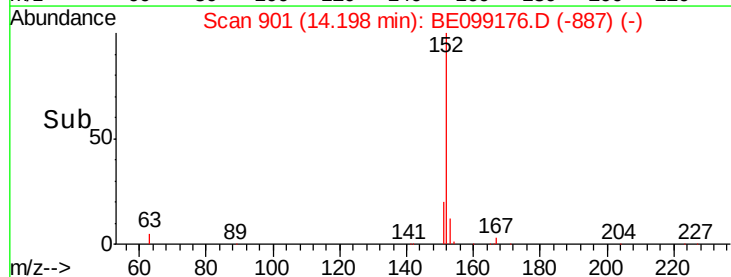
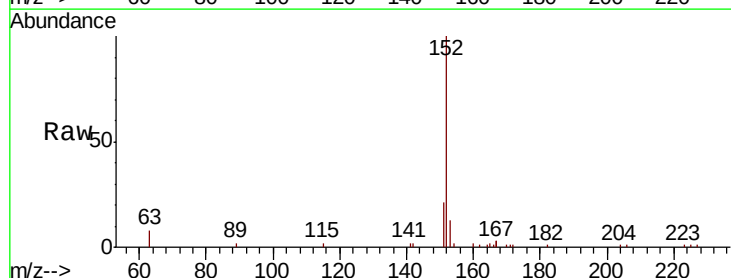
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

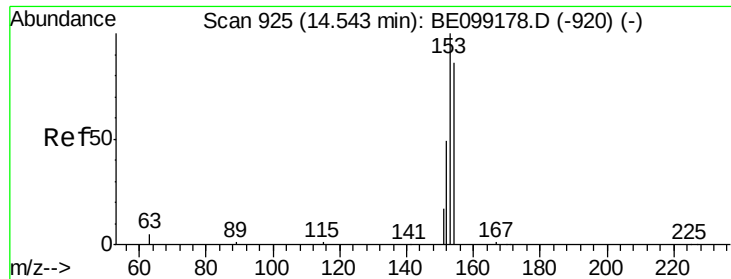
Tot Ion:172 Resp: 5425  
Ion Ratio Lower Upper  
172 100  
171 36.4 27.4 41.0  
170 26.7 19.1 28.7



#16  
Acenaphthylene  
Concen: 0.098 ng  
RT: 14.20 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: BE099176.D  
Acq: 25 Mar 2019 10:38

Tgt Ion:152 Resp: 6289  
Ion Ratio Lower Upper  
152 100  
151 20.9 15.7 23.5  
153 12.9 10.6 15.8

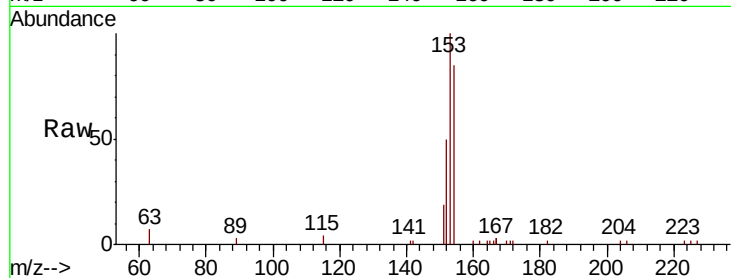




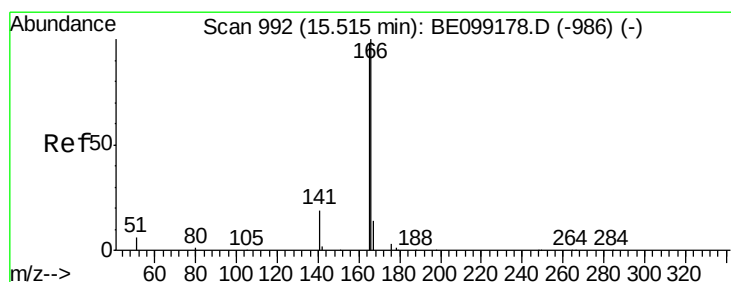
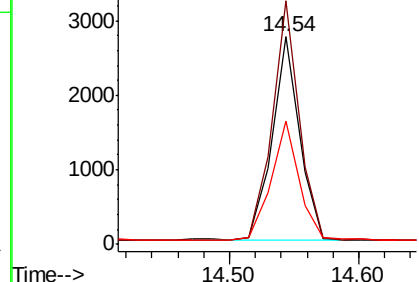
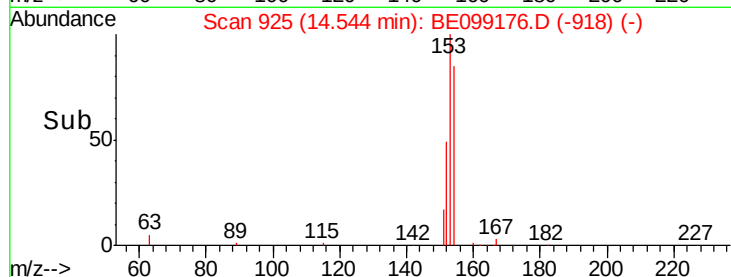
#17  
Acenaphthene  
Concen: 0.105 ng  
RT: 14.54 min Scan# 925  
Delta R.T. 0.00 min  
Lab File: BE099176.D  
Acq: 25 Mar 2019 10:38

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

Tot Ion:154 Resp: 4009  
Ion Ratio Lower Upper  
154 100  
153 116.0 93.4 140.0  
152 59.0 46.6 69.8

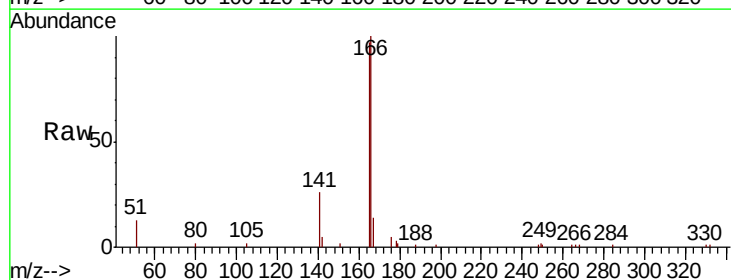


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

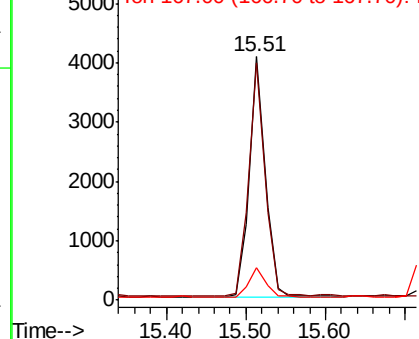
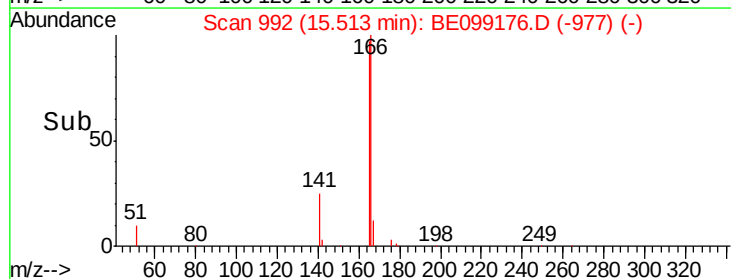


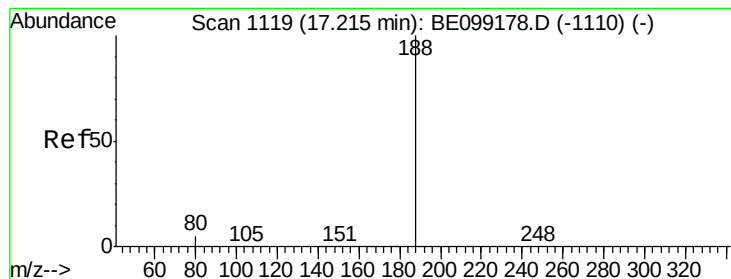
#18  
Fluorene  
Concen: 0.102 ng  
RT: 15.51 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: BE099176.D  
Acq: 25 Mar 2019 10:38

Tgt Ion:166 Resp: 5698  
Ion Ratio Lower Upper  
166 100  
165 98.3 78.9 118.3  
167 12.9 10.9 16.3



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: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

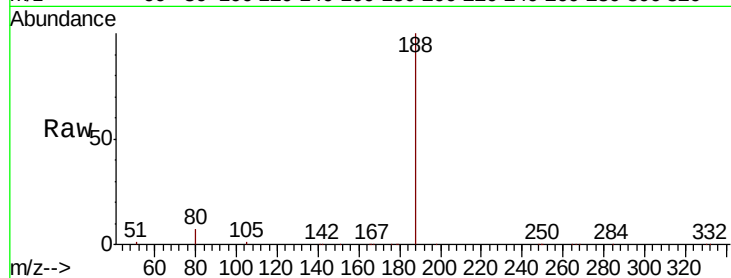
Tot Ion:188 Resp: 32366

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

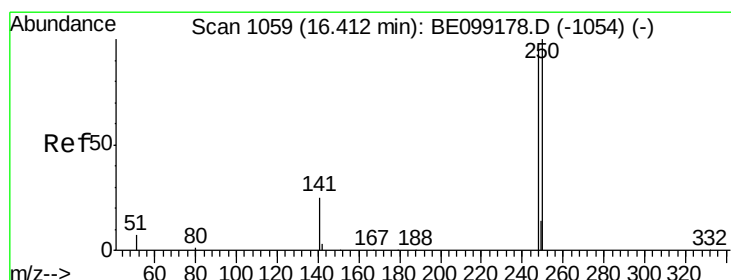
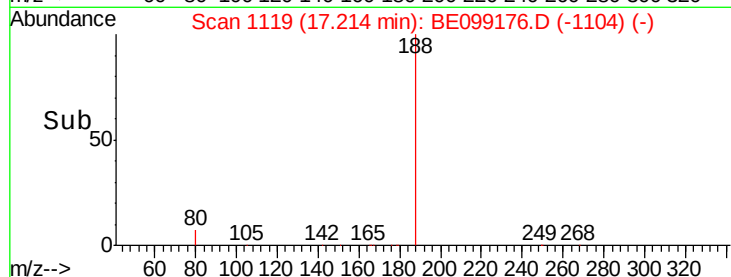
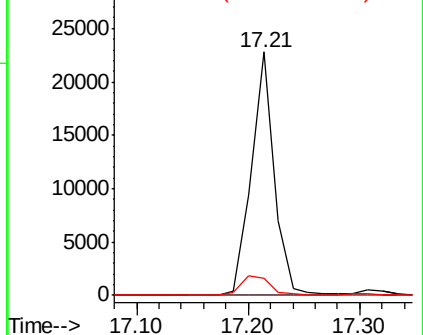
80 7.2 4.5 6.7#



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: 0.122 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

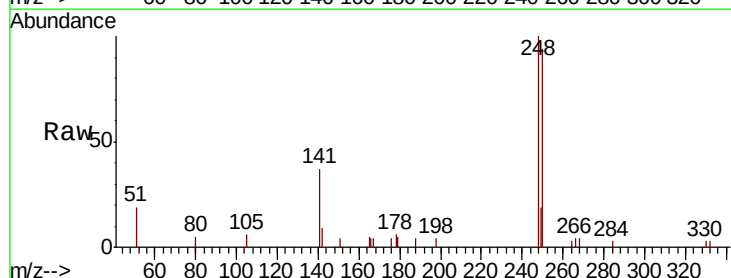
Tgt Ion:248 Resp: 2186

Ion Ratio Lower Upper

248 100

250 94.3 84.2 126.2

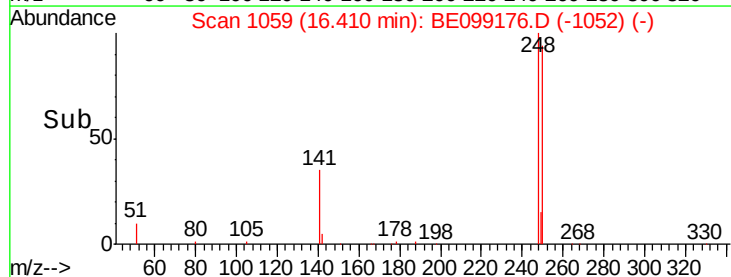
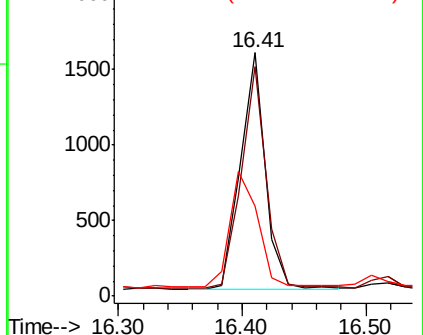
141 36.9 21.8 32.6#

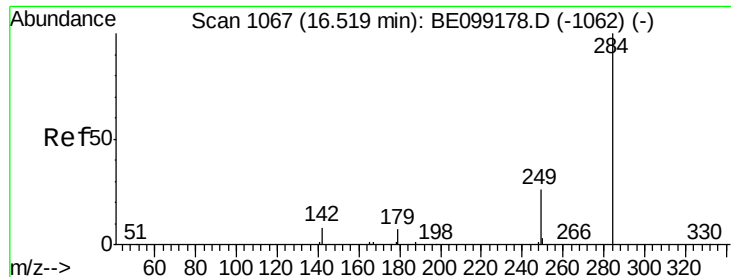


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.131 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

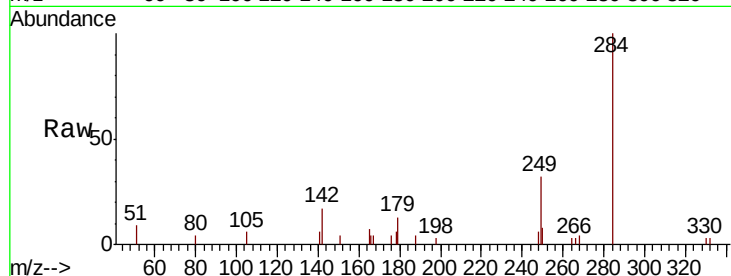
Tot Ion:284 Resp: 2185

Ion Ratio Lower Upper

284 100

142 29.2 22.7 34.1

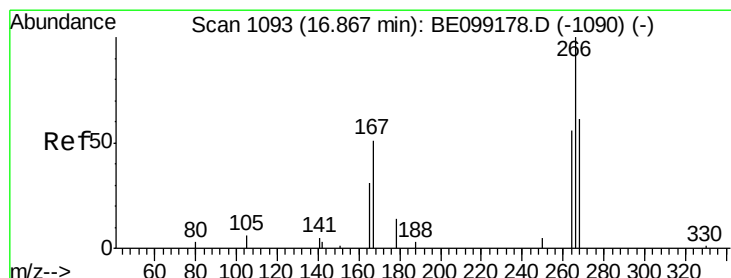
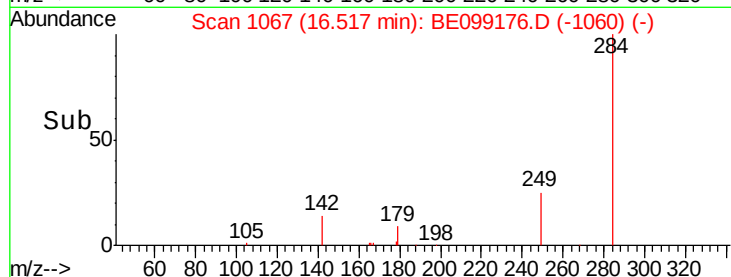
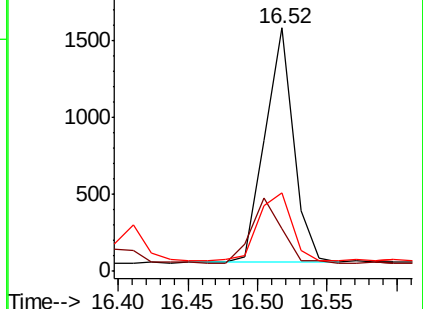
249 32.8 26.9 40.3



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: 0.263 ng

RT: 16.88 min Scan# 1094

Delta R.T. 0.01 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

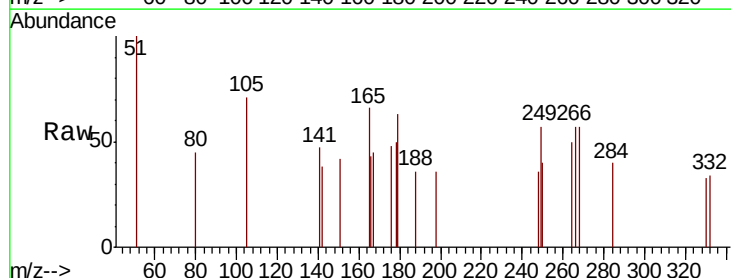
Tgt Ion:266 Resp: 80

Ion Ratio Lower Upper

266 100

264 88.9 54.4 81.6#

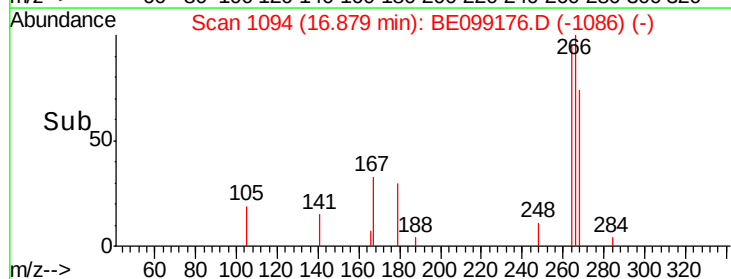
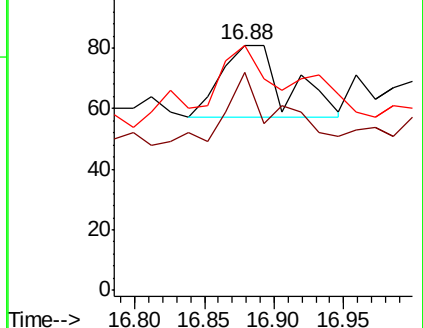
268 100.0 61.3 91.9#

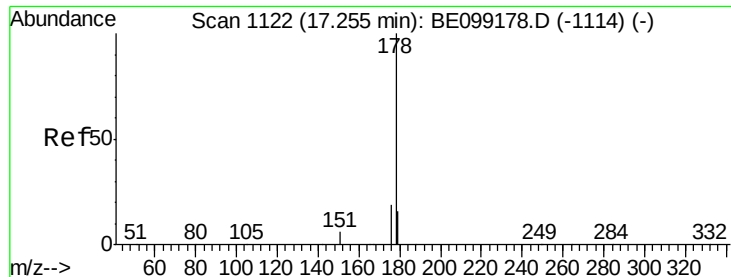


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.107 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

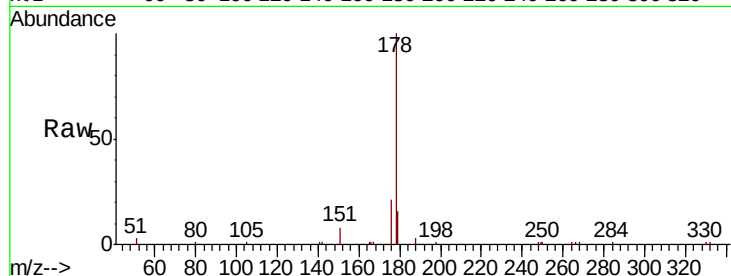
BNA\_E

ClientSampleId :

SSTDIC0.1

Tot Ion:178 Resp: 10256

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.6  | 15.4  | 23.2  |
| 179 | 15.8  | 12.3  | 18.5  |

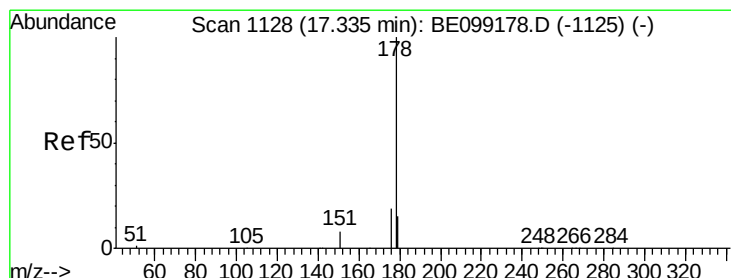
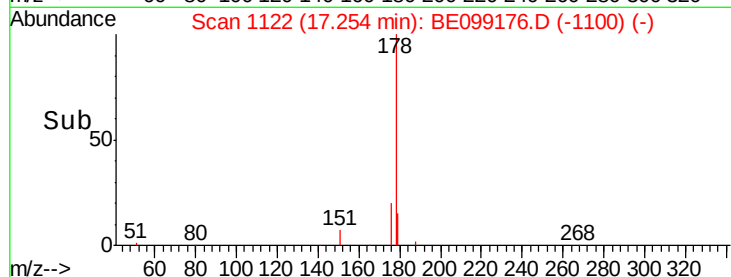
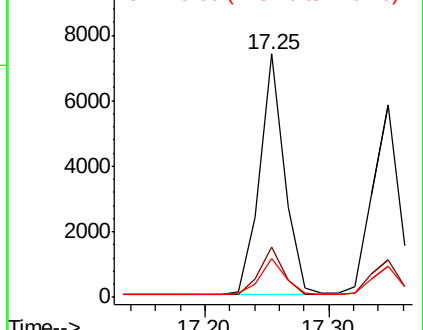


Abundance

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



#24

Anthracene

Concen: 0.096 ng

RT: 17.35 min Scan# 1129

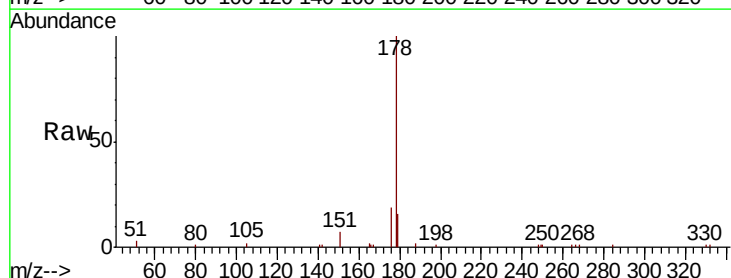
Delta R.T. 0.01 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Tgt Ion:178 Resp: 8705

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.3  | 15.1  | 22.7  |
| 179 | 15.3  | 12.4  | 18.6  |

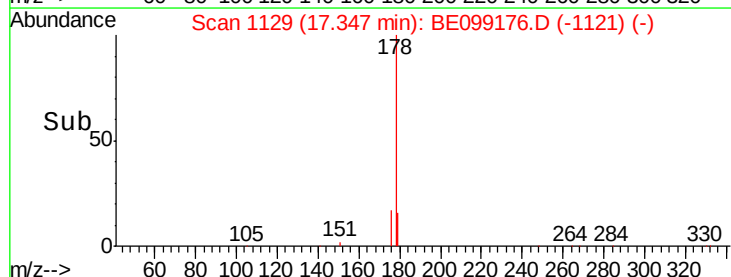
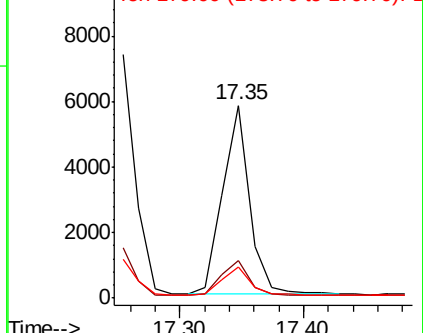


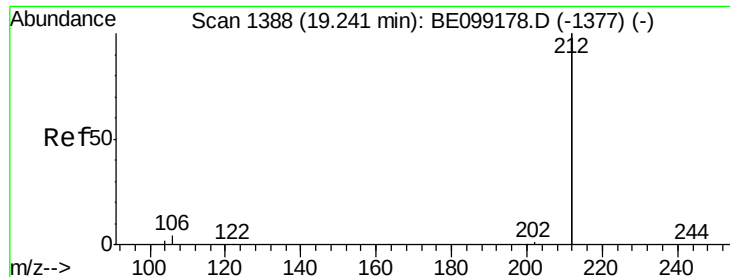
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.091 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

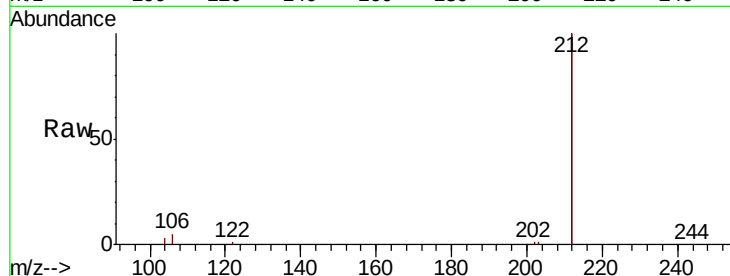
Tot Ion:212 Resp: 39231

Ion Ratio Lower Upper

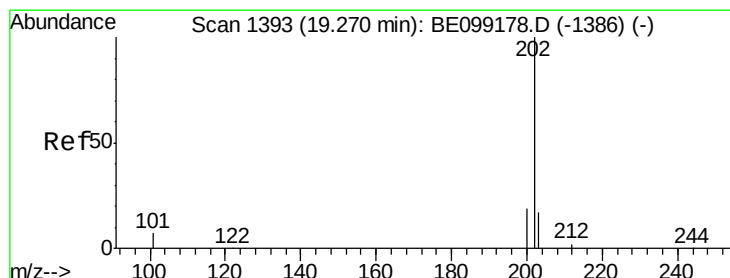
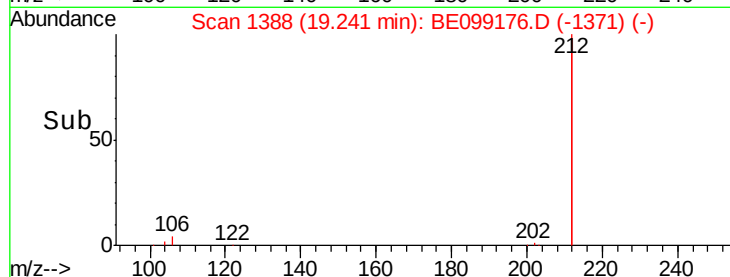
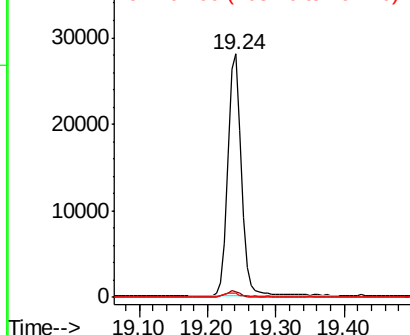
212 100

106 2.4 1.8 2.8

104 1.4 1.1 1.7



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: 0.094 ng

RT: 19.27 min Scan# 1393

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

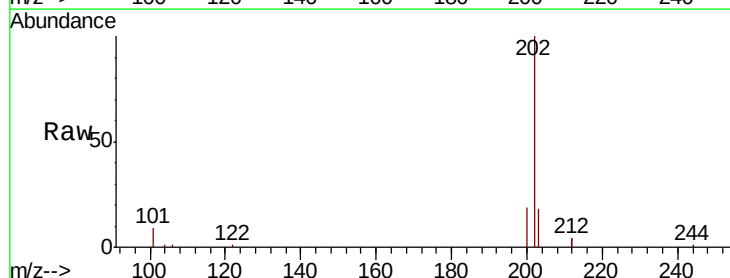
Tgt Ion:202 Resp: 12661

Ion Ratio Lower Upper

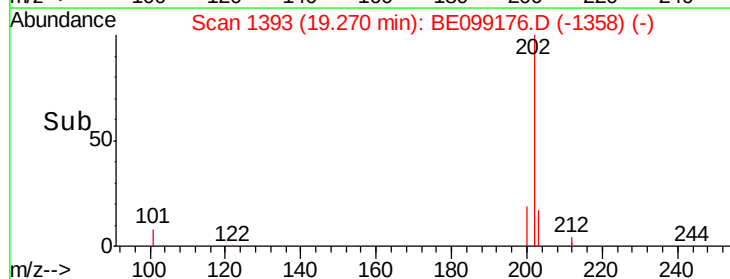
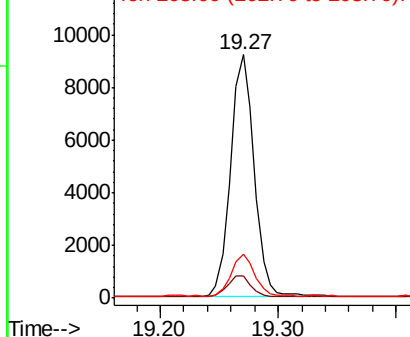
202 100

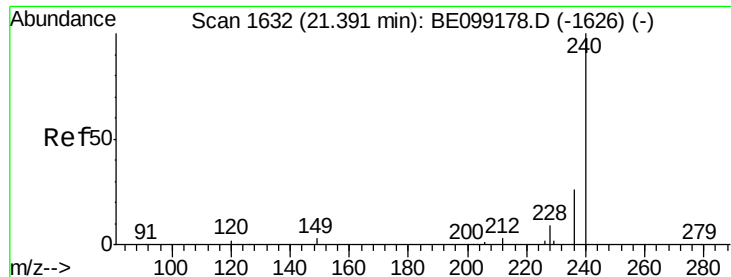
101 8.3 7.0 10.4

203 17.1 13.8 20.6



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: 0.400 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

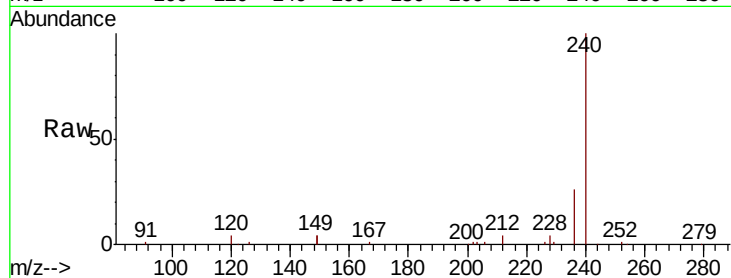
Tot Ion:240 Resp: 35543

Ion Ratio Lower Upper

240 100

120 3.9 2.6 3.8#

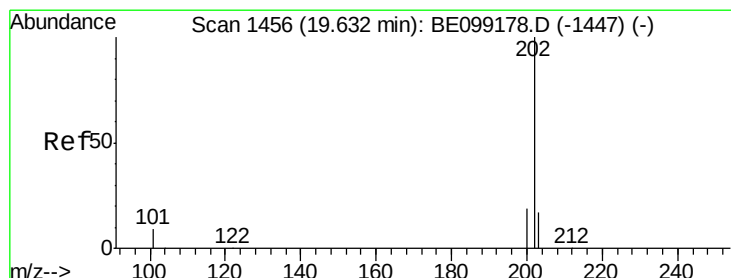
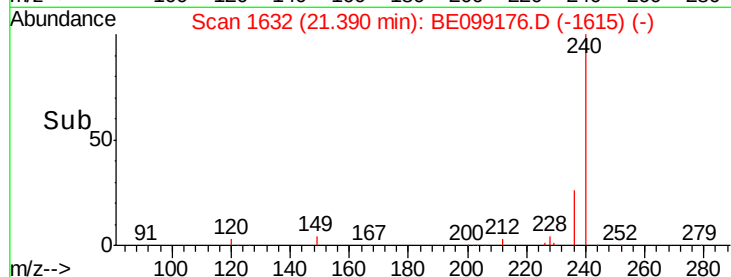
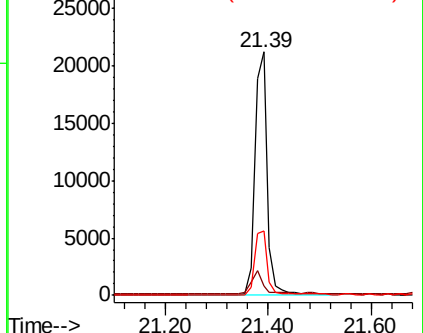
236 26.3 20.9 31.3



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: 0.109 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

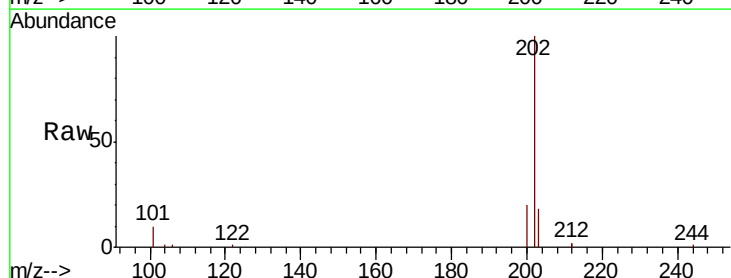
Tgt Ion:202 Resp: 13169

Ion Ratio Lower Upper

202 100

200 19.2 15.8 23.8

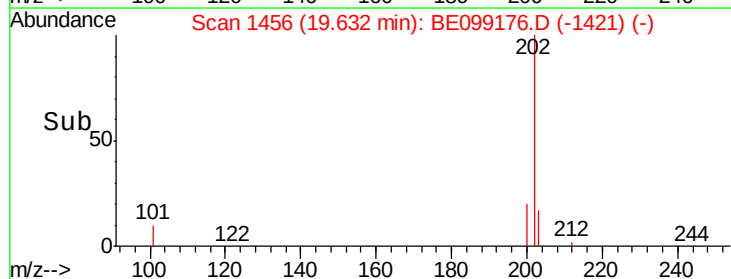
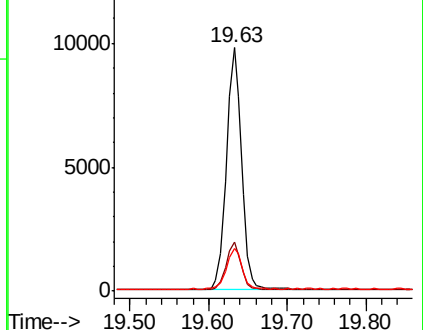
203 17.5 14.1 21.1



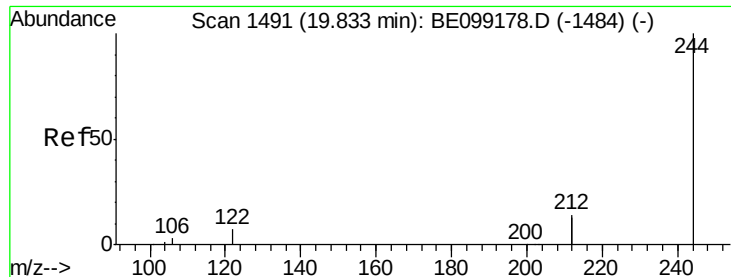
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.106 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

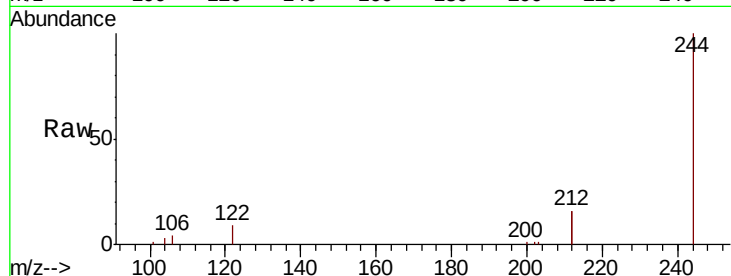
Tot Ion:244 Resp: 7985

Ion Ratio Lower Upper

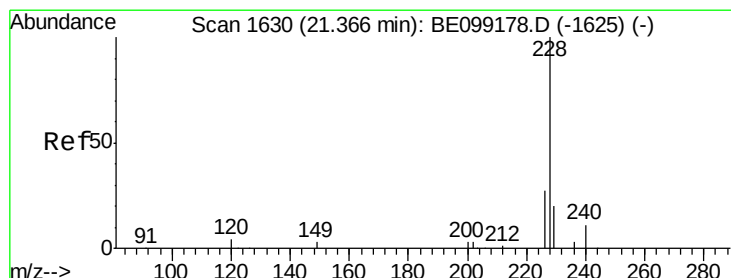
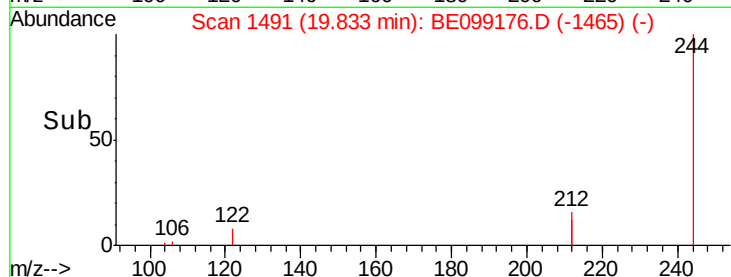
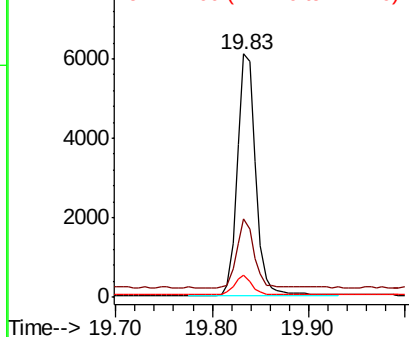
244 100

212 32.0 22.7 34.1

122 9.0 5.8 8.6#



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



#30

Benzo(a)anthracene

Concen: 0.102 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

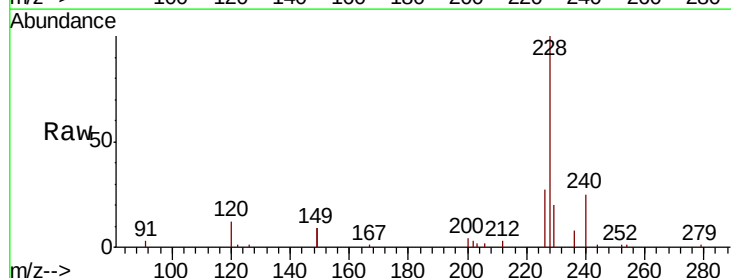
Tgt Ion:228 Resp: 12757

Ion Ratio Lower Upper

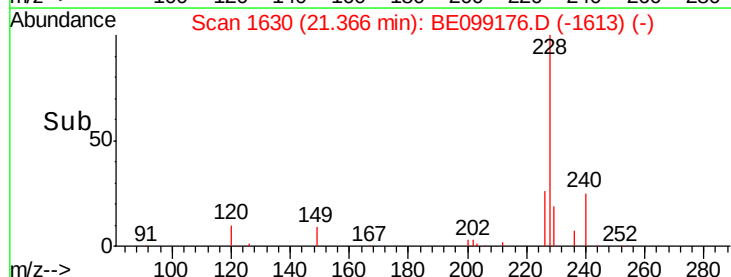
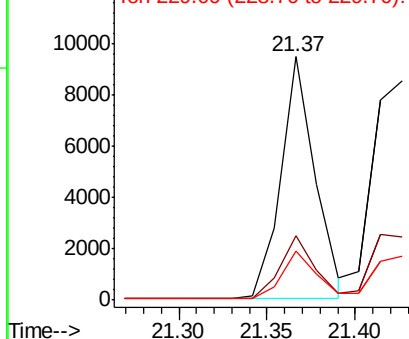
228 100

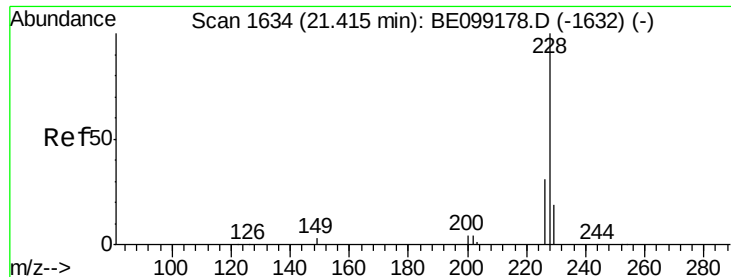
226 26.6 21.7 32.5

229 19.9 15.9 23.9



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





#31

Chrysene

Concen: 0.112 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.01 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

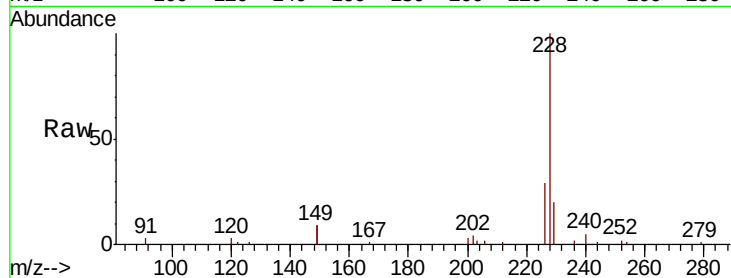
Tot Ion:228 Resp: 13959

Ion Ratio Lower Upper

228 100

226 28.7 24.8 37.2

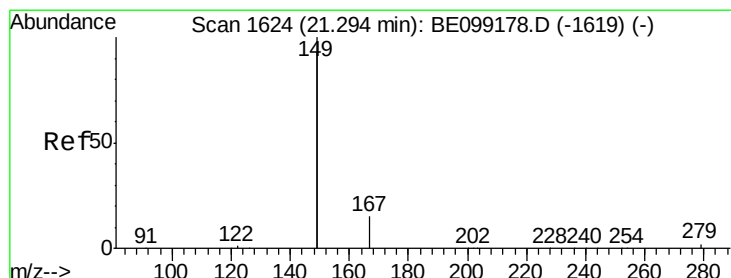
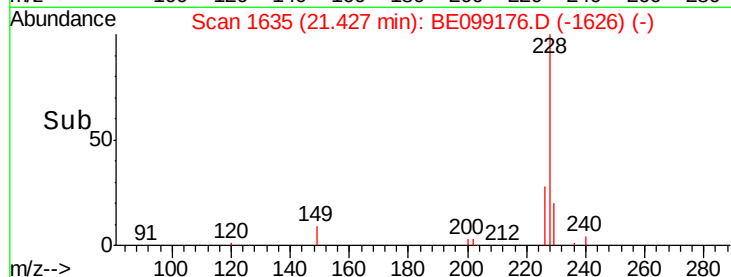
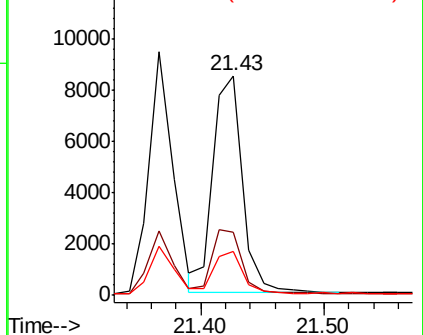
229 20.2 15.4 23.0



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: 0.105 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

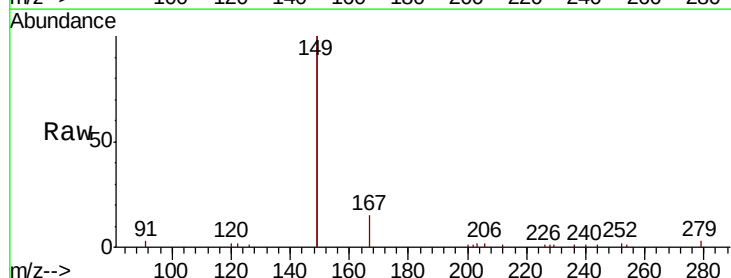
Tgt Ion:149 Resp: 17056

Ion Ratio Lower Upper

149 100

167 7.4 5.9 8.9

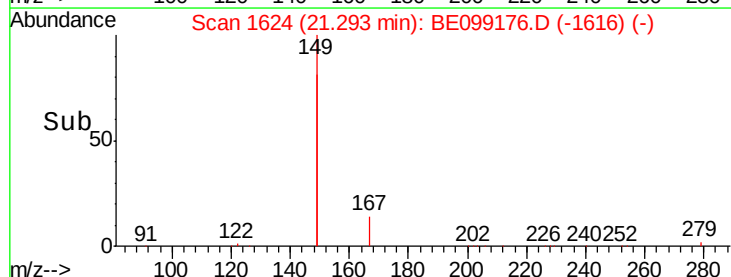
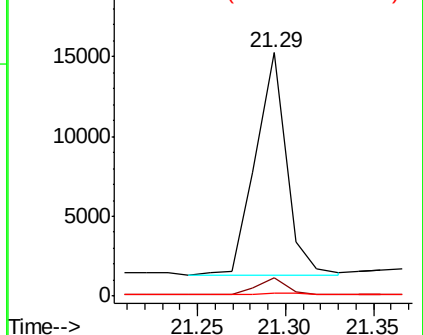
279 1.2 1.0 1.6

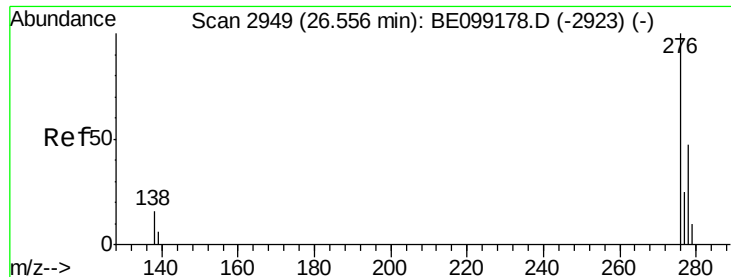


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

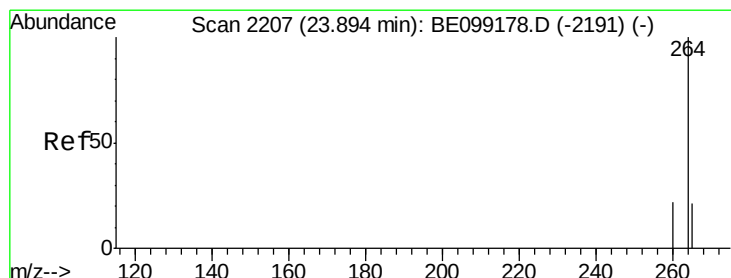
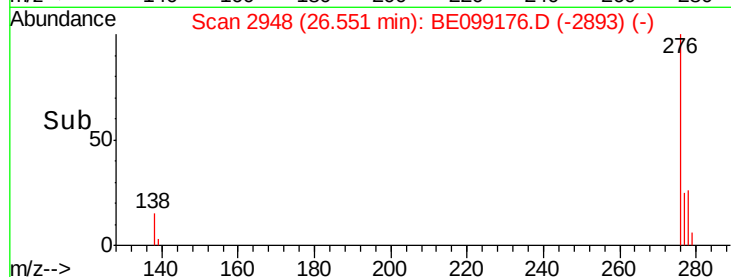
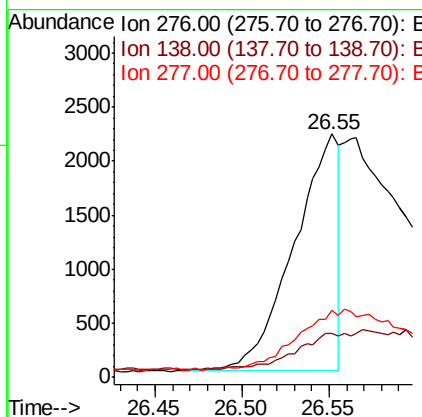
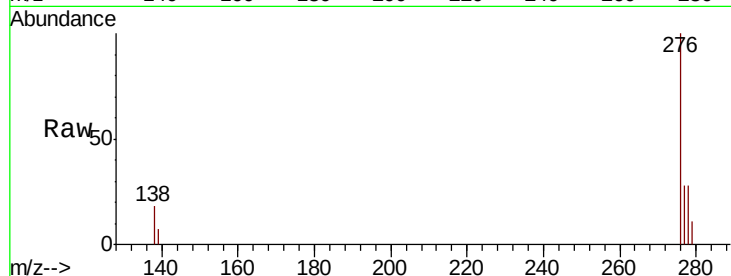




#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.029 ng  
RT: 26.55 min Scan# 2948  
Delta R.T. -0.00 min  
Lab File: BE099176.D  
Acq: 25 Mar 2019 10:38

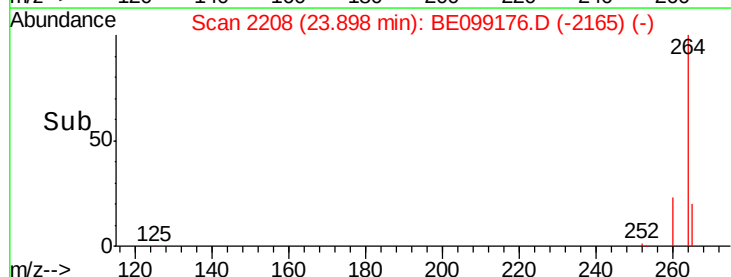
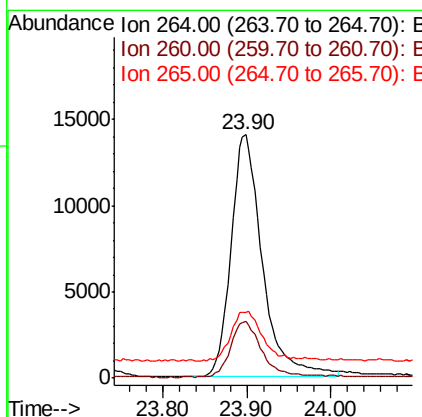
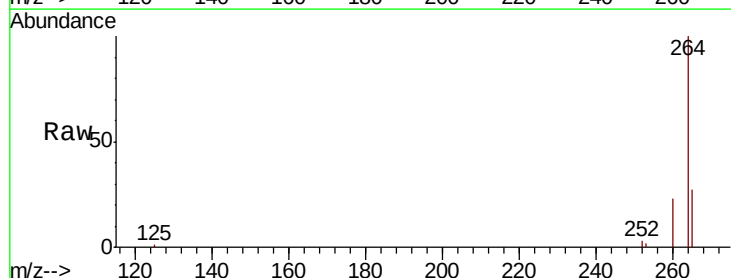
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

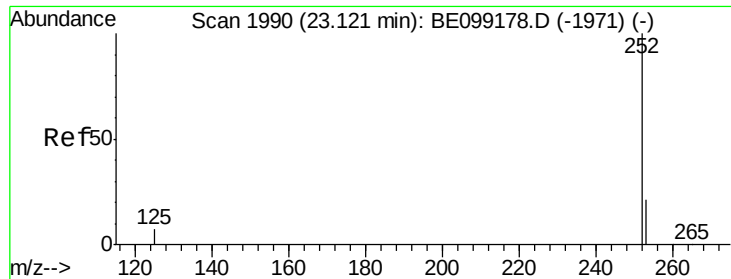
Tot Ion:276 Resp: 3927  
Ion Ratio Lower Upper  
276 100  
138 14.9 12.9 19.3  
277 66.8 18.3 27.5#



#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.90 min Scan# 2208  
Delta R.T. 0.00 min  
Lab File: BE099176.D  
Acq: 25 Mar 2019 10:38

Tgt Ion:264 Resp: 36518  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.2 27.2  
265 27.2 21.8 32.8

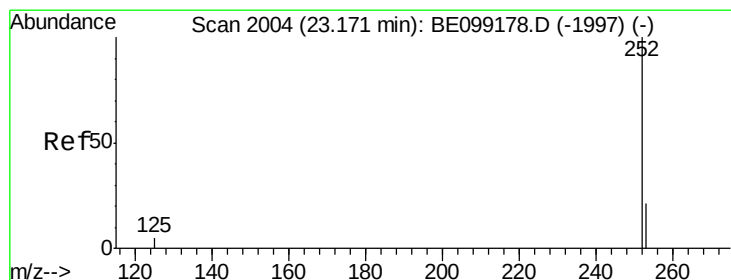
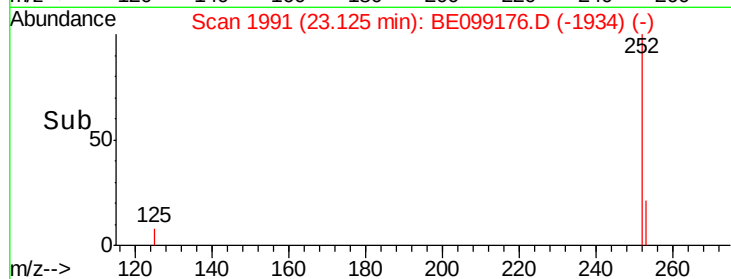
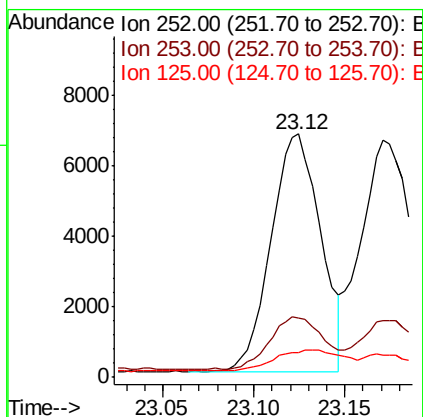
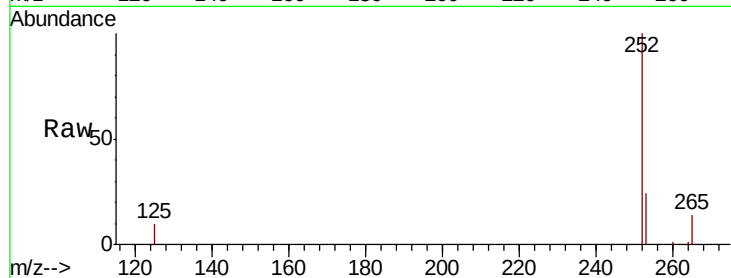




#35  
Benzo(b)fluoranthene  
Concen: 0.101 ng  
RT: 23.12 min Scan# 1991  
Delta R.T. 0.00 min  
Lab File: BE099176.D  
Acq: 25 Mar 2019 10:38

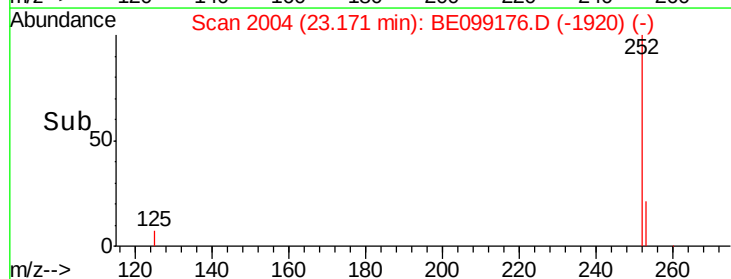
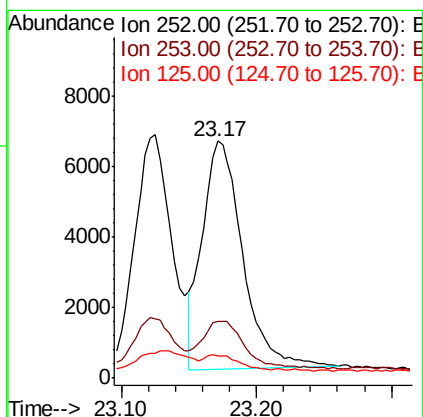
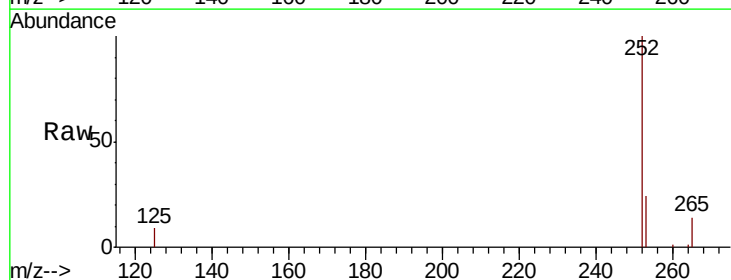
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

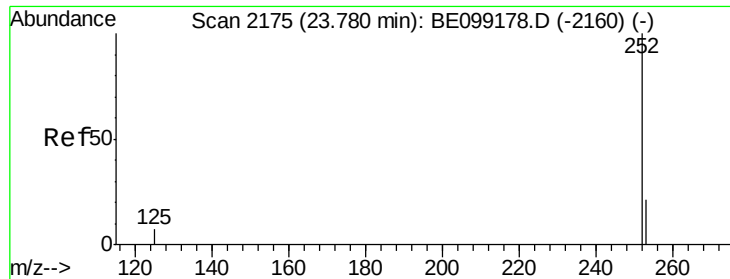
Tot Ion:252 Resp: 12782  
Ion Ratio Lower Upper  
252 100  
253 24.1 17.8 26.8  
125 10.2 6.1 9.1#



#36  
Benzo(k)fluoranthene  
Concen: 0.109 ng  
RT: 23.17 min Scan# 2004  
Delta R.T. 0.00 min  
Lab File: BE099176.D  
Acq: 25 Mar 2019 10:38

Tgt Ion:252 Resp: 13437  
Ion Ratio Lower Upper  
252 100  
253 24.1 17.8 26.6  
125 9.2 5.9 8.9#





#37

Benzo(a)pyrene

Concen: 0.101 ng

RT: 23.78 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

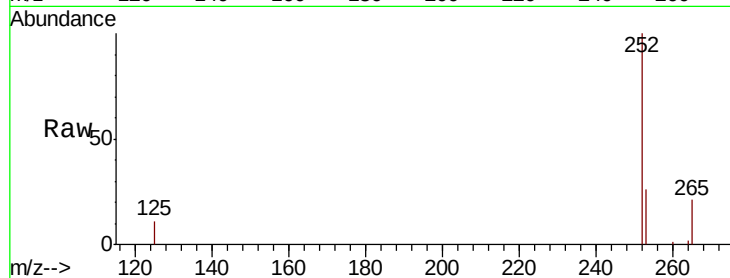
Tot Ion:252 Resp: 11756

Ion Ratio Lower Upper

252 100

253 26.0 18.1 27.1

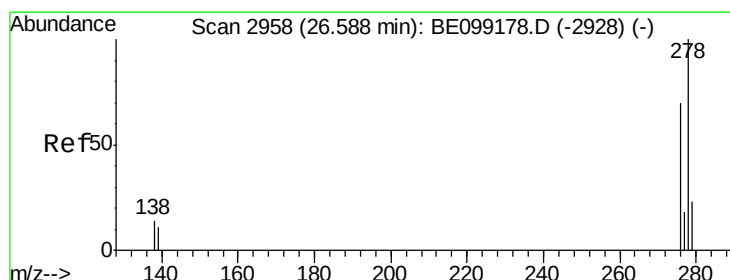
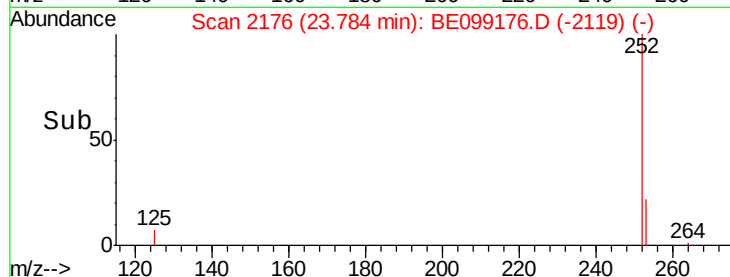
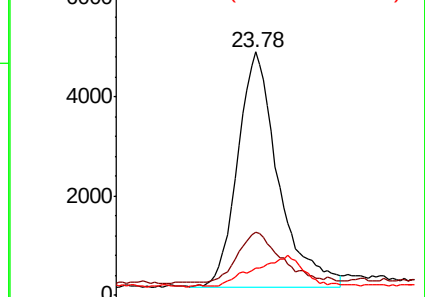
125 11.0 6.8 10.2#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.085 ng

RT: 26.59 min Scan# 2960

Delta R.T. 0.01 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

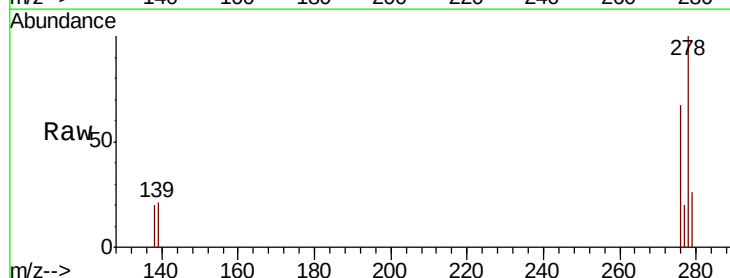
Tgt Ion:278 Resp: 9673

Ion Ratio Lower Upper

278 100

139 20.7 9.5 14.3#

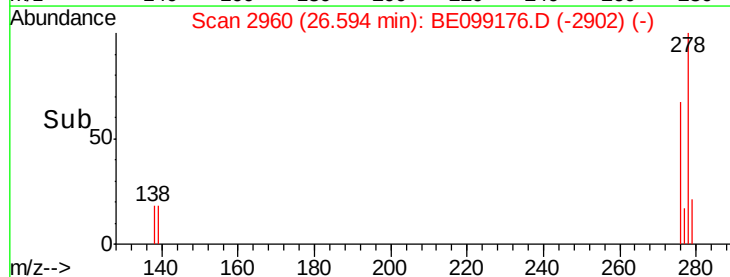
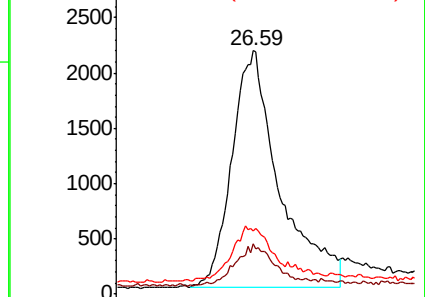
279 26.2 19.1 28.7

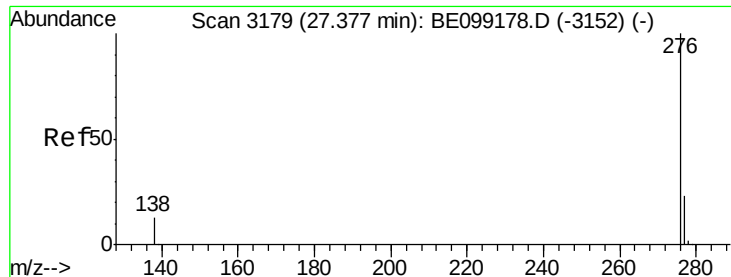


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.090 ng

RT: 27.37 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BE099176.D

Acq: 25 Mar 2019 10:38

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

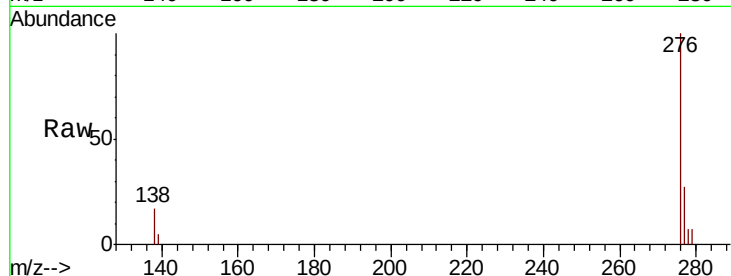
Tot Ion:276 Resp: 10548

Ion Ratio Lower Upper

276 100

277 27.1 19.0 28.4

138 17.1 11.1 16.7#



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

