

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE050219\  
 Data File : BE099524.D  
 Acq On : 3 May 2019 10:19  
 Operator : JU/SJ  
 Sample : K2589-05  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PST-001-SW018-042419

Quant Time: May 03 13:49:06 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE042919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 29 18:36:43 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 37       | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.58 | 136  | 6        | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.46 | 164  | 20       | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.17 | 188  | 43       | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.39 | 240  | 77       | 0.40 | ng    | 0.02     |
| 34) Perylene-d12          | 23.88 | 264  | 37       | 0.40 | ng    | 0.01     |

#### System Monitoring Compounds

|                             |       |     |       |        |    |      |
|-----------------------------|-------|-----|-------|--------|----|------|
| 4) 2-Fluorophenol           | 5.39  | 112 | 2616  | 25.57  | ng | 0.00 |
| 5) Phenol-d6                | 6.98  | 99  | 3656  | 26.87  | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 2972  | 528.49 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.19 | 152 | 5656  | 523.21 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.94 | 330 | 1809  | 143.59 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.09 | 172 | 8122  | 106.44 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.22 | 212 | 91099 | 157.19 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.82 | 244 | 18318 | 129.90 | ng | 0.00 |

#### Target Compounds

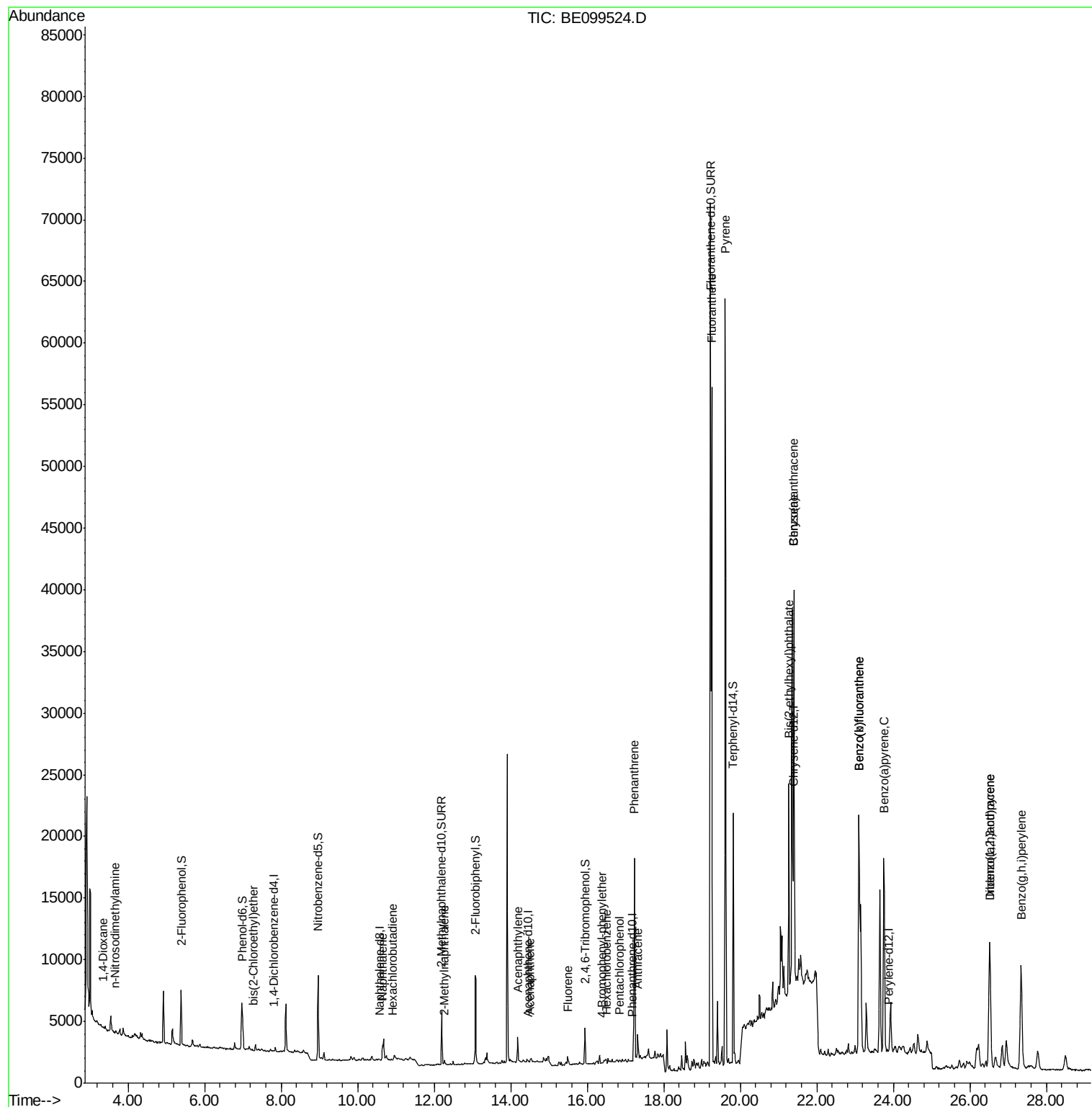
|                                |       |     |       |         |    | Qvalue |
|--------------------------------|-------|-----|-------|---------|----|--------|
| 2) 1,4-Dioxane                 | 3.34  | 88  | 42    | 0.825   | ng | # 27   |
| 3) n-Nitrosodimethylamine      | 3.67  | 42  | 72    | 2.347   | ng | # 1    |
| 6) bis(2-Chloroethyl)ether     | 7.28  | 93  | 43    | 0.366   | ng | # 1    |
| 9) Naphthalene                 | 10.65 | 128 | 2119  | 32.410  | ng | # 90   |
| 10) Hexachlorobutadiene        | 10.91 | 225 | 6     | 1.319   | ng | # 18   |
| 12) 2-Methylnaphthalene        | 12.27 | 142 | 224   | 19.701  | ng | # 84   |
| 16) Acenaphthylene             | 14.18 | 152 | 2770  | 28.303  | ng | # 96   |
| 17) Acenaphthene               | 14.51 | 154 | 180   | 3.221   | ng | # 77   |
| 18) Fluorene                   | 15.49 | 166 | 602   | 7.301   | ng | # 92   |
| 20) 4-Bromophenyl-phenylether  | 16.38 | 248 | 20    | 0.799   | ng | # 45   |
| 21) Hexachlorobenzene          | 16.49 | 284 | 22    | 0.922   | ng | # 7    |
| 22) Pentachlorophenol          | 16.84 | 266 | 80    | 5.787   | ng | # 70   |
| 23) Phenanthrene               | 17.23 | 178 | 18403 | 165.857 | ng | # 98   |
| 24) Anthracene                 | 17.32 | 178 | 2174  | 20.557  | ng | # 95   |
| 26) Fluoranthene               | 19.25 | 202 | 52458 | 315.631 | ng | # 100  |
| 28) Pyrene                     | 19.62 | 202 | 60298 | 300.416 | ng | # 98   |
| 30) Benzo(a)anthracene         | 21.40 | 228 | 28926 | 117.905 | ng | # 93   |
| 31) Chrysene                   | 21.40 | 228 | 28767 | 119.826 | ng | # 97   |
| 32) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 18661 | 53.862  | ng | # 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.52 | 276 | 20898 | 73.652  | ng | # 97   |
| 35) Benzo(b)fluoranthene       | 23.10 | 252 | 37166 | 348.356 | ng | # 94   |
| 36) Benzo(k)fluoranthene       | 23.10 | 252 | 37166 | 361.262 | ng | # 94   |
| 37) Benzo(a)pyrene             | 23.76 | 252 | 26003 | 257.805 | ng | # 95   |
| 38) Dibenzo(a,h)anthracene     | 26.53 | 278 | 5045  | 48.897  | ng | # 71   |
| 39) Benzo(g,h,i)perylene       | 27.34 | 276 | 22373 | 216.434 | ng | # 96   |

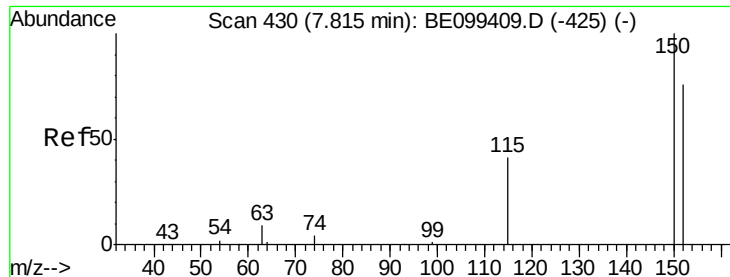
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 29 18:36:43 2019  
Response via : Initial Calibration



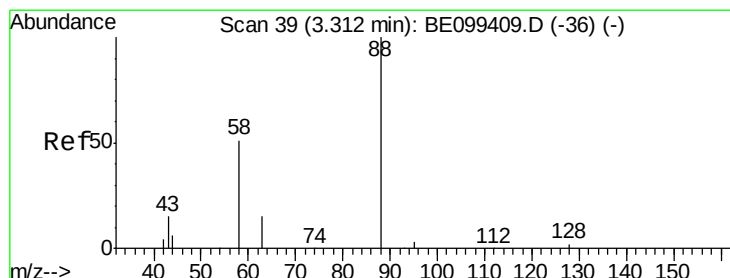
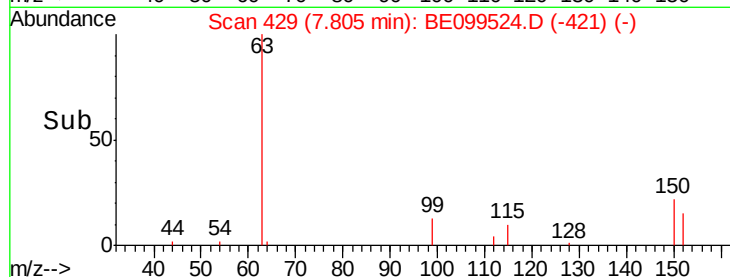
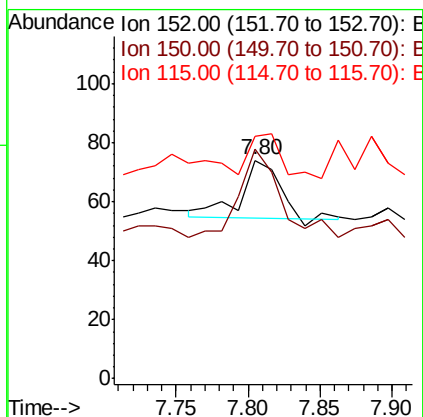
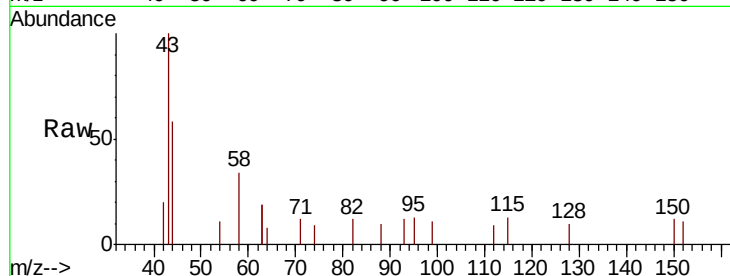


#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.80 min Scan# 429  
Delta R.T. -0.01 min  
Lab File: BE099524.D  
Acq: 3 May 2019 10:19

Instrument :  
BNA\_E  
ClientSampleId :  
PST-001-SW018-042419

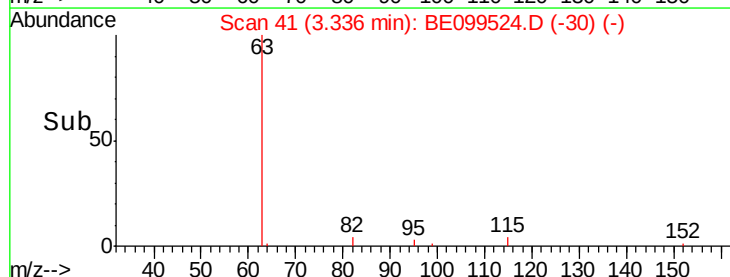
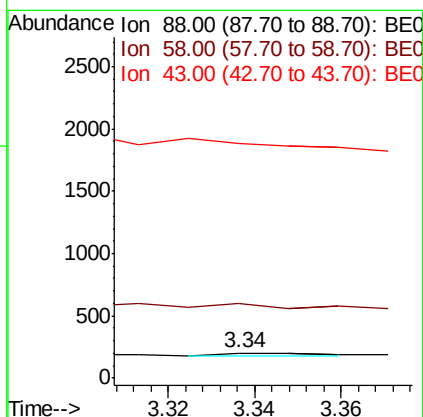
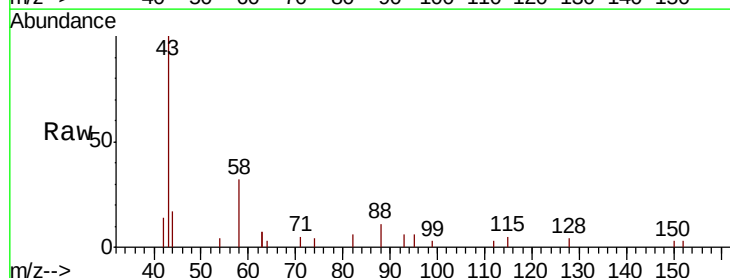
Tgt Ion: 152 Resp: 37  
Ion Ratio Lower Upper  
152 100  
150 105.4 104.8 157.2  
115 110.8 46.6 69.8#

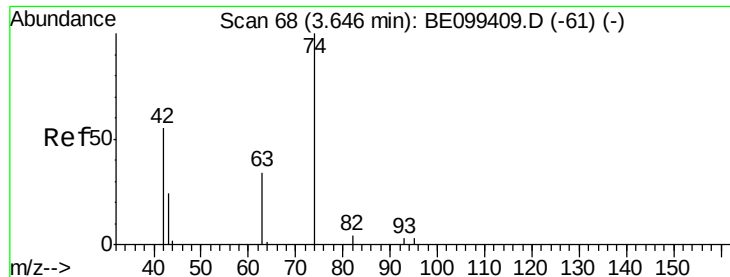


#2

1,4-Dioxane  
Concen: 0.825 ng  
RT: 3.34 min Scan# 41  
Delta R.T. 0.02 min  
Lab File: BE099524.D  
Acq: 3 May 2019 10:19

Tgt Ion: 88 Resp: 42  
Ion Ratio Lower Upper  
88 100  
58 0.0 51.0 76.6#  
43 0.0 20.6 30.8#





#3

n-Nitrosodimethylamine

Concen: 2.347 ng

RT: 3.67 min Scan# 70

Delta R.T. 0.02 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

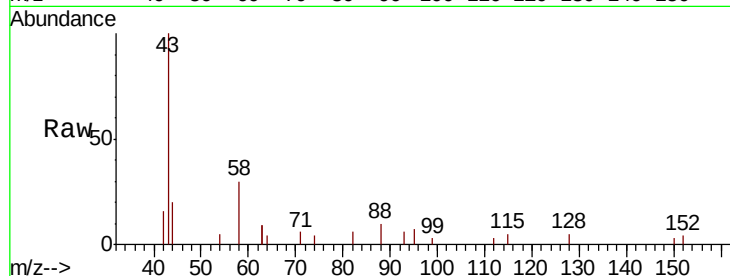
Tgt Ion: 42 Resp: 72

Ion Ratio Lower Upper

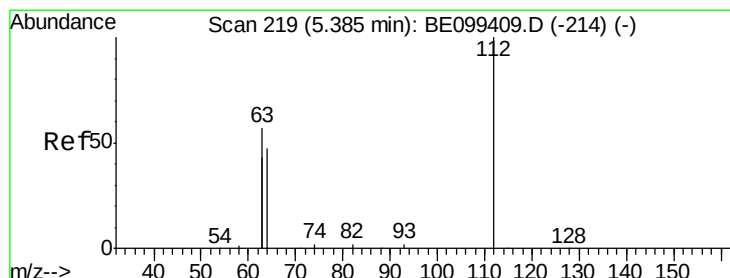
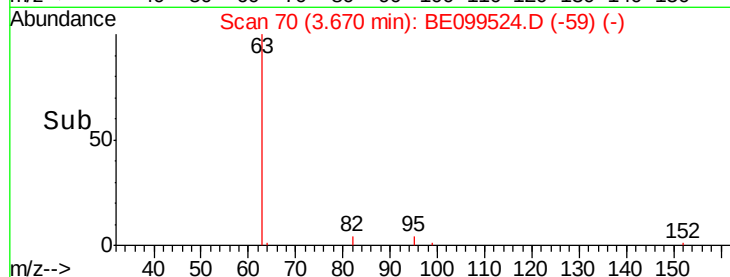
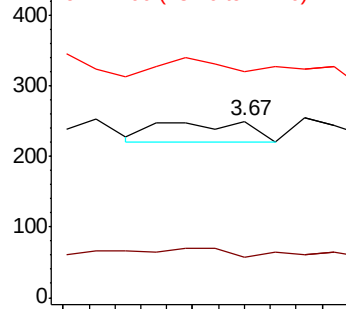
42 100

74 0.0 141.6 212.4#

44 0.0 0.0 0.0



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: 25.570 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

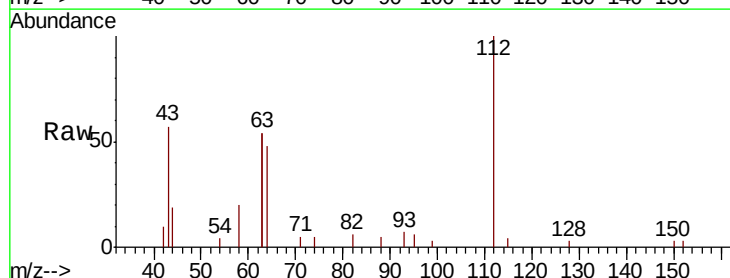
Tgt Ion: 112 Resp: 2616

Ion Ratio Lower Upper

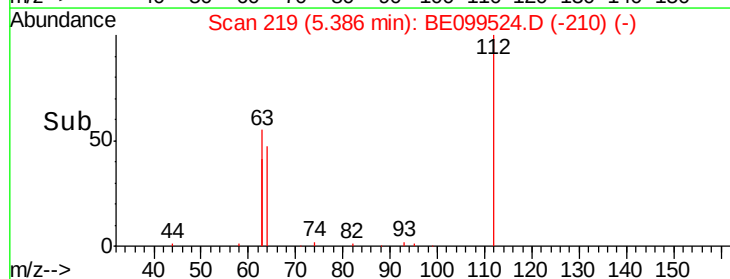
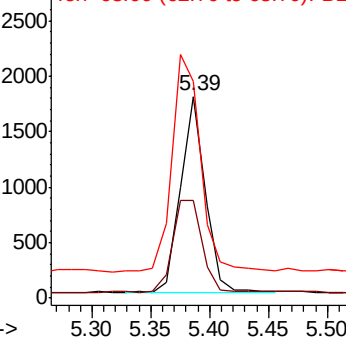
112 100

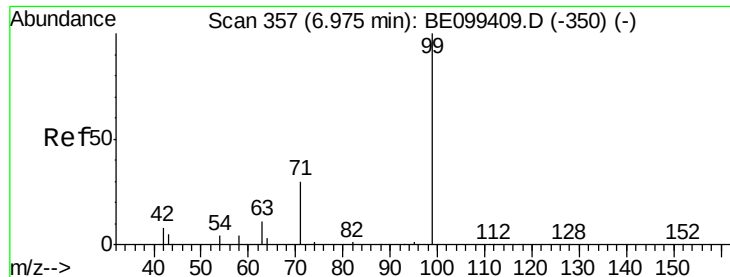
64 55.8 47.4 71.0

63 125.8 104.3 156.5



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: 26.868 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

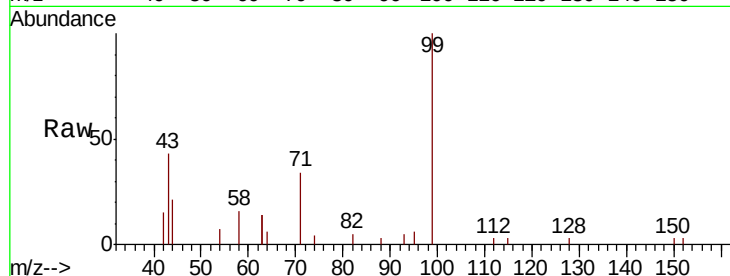
Tgt Ion: 99 Resp: 3656

Ion Ratio Lower Upper

99 100

42 17.0 14.9 22.3

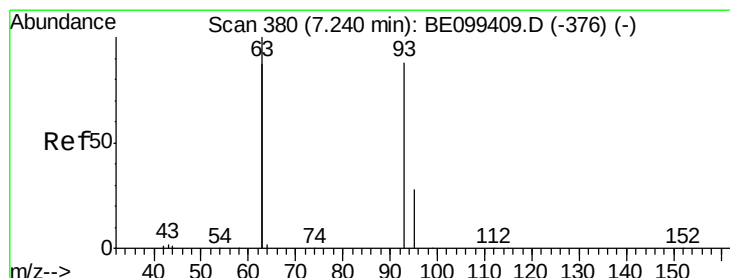
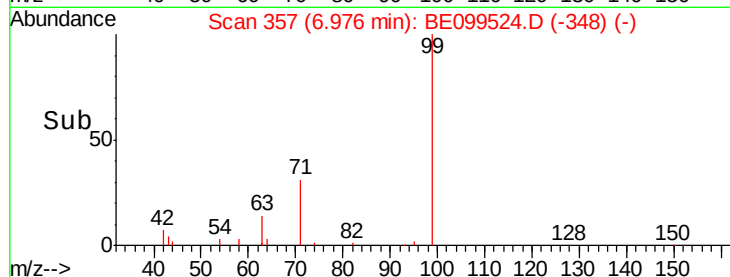
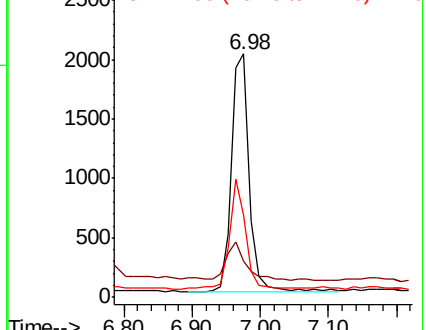
71 41.7 33.0 49.6



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: 0.366 ng

RT: 7.28 min Scan# 383

Delta R.T. 0.04 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

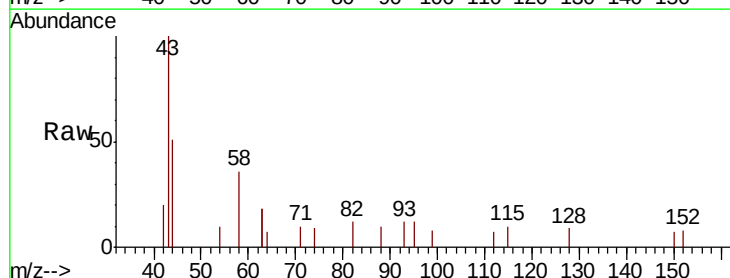
Tgt Ion: 93 Resp: 43

Ion Ratio Lower Upper

93 100

63 0.0 215.6 323.4#

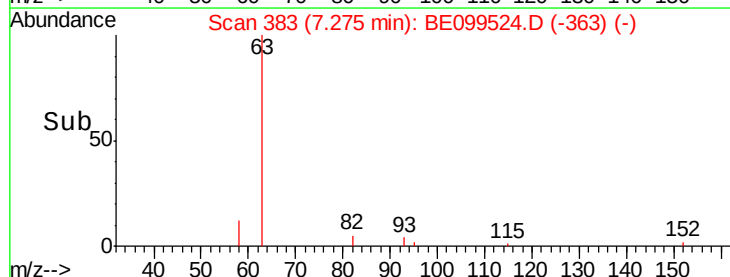
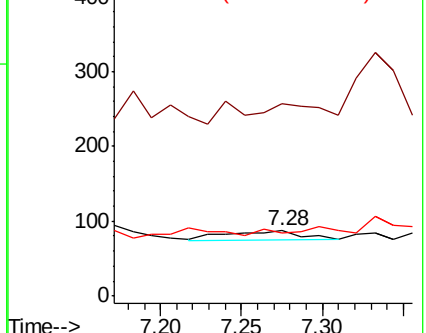
95 0.0 26.2 39.2#

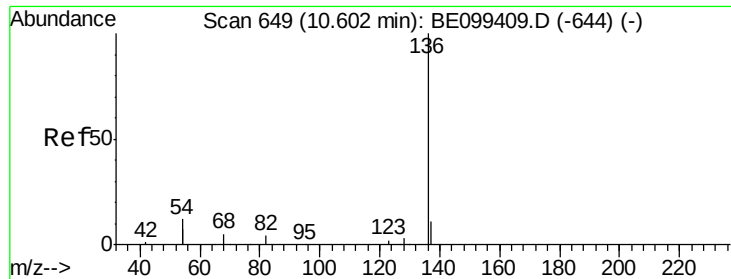


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.58 min Scan# 647

Delta R.T. -0.03 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

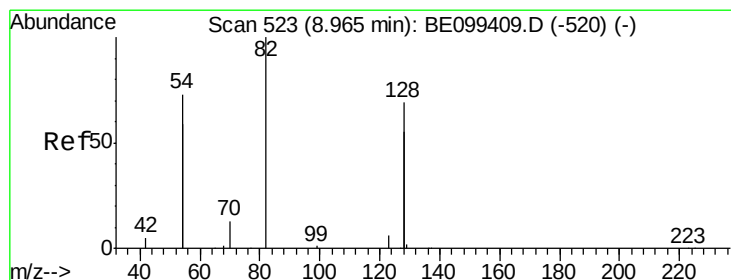
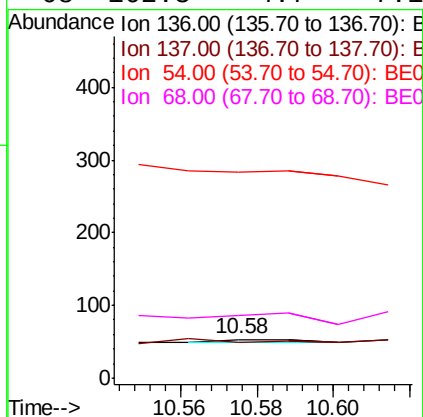
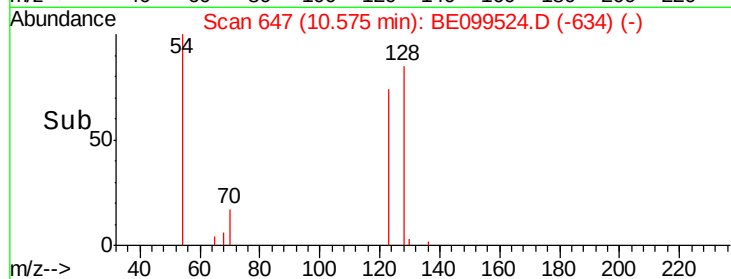
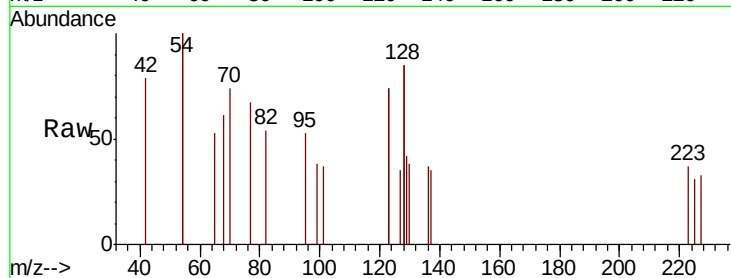
Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 6     |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 92.5  | 9.8   | 14.8# |
| 54       | 535.8 | 18.5  | 27.7# |
| 68       | 162.3 | 4.7   | 7.1#  |



#8

Nitrobenzene-d5

Concen: 528.491 ng

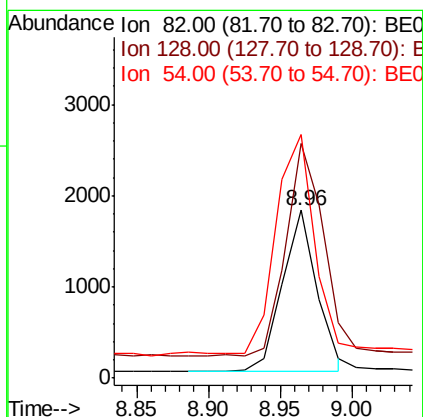
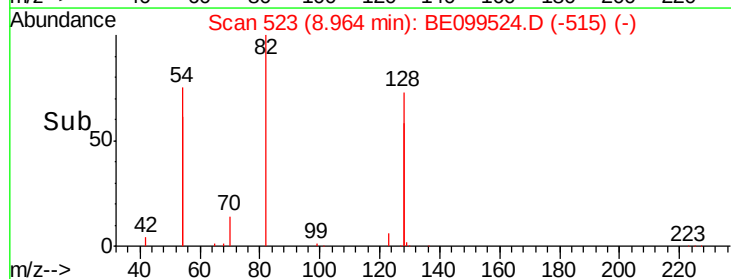
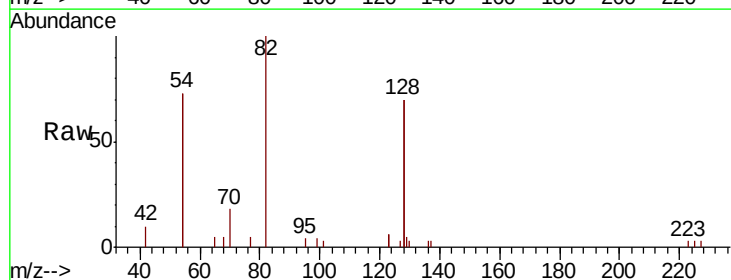
RT: 8.96 min Scan# 523

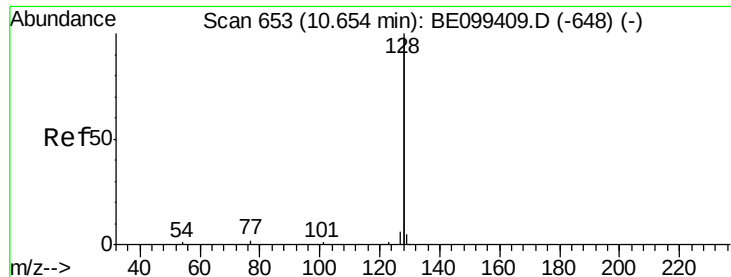
Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 2972  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 139.7 | 107.0 | 160.4 |
| 54       | 145.1 | 113.1 | 169.7 |





#9

Naphthalene

Concen: 32.410 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

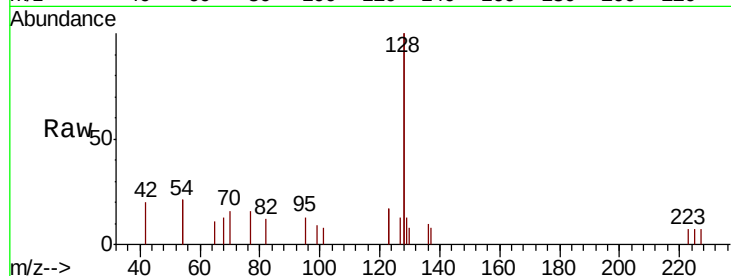
Tgt Ion:128 Resp: 2119

Ion Ratio Lower Upper

128 100

129 6.6 2.4 3.6#

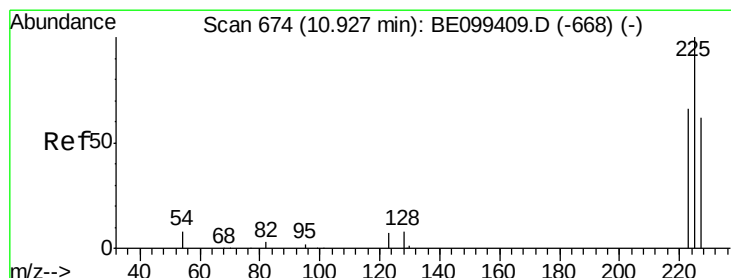
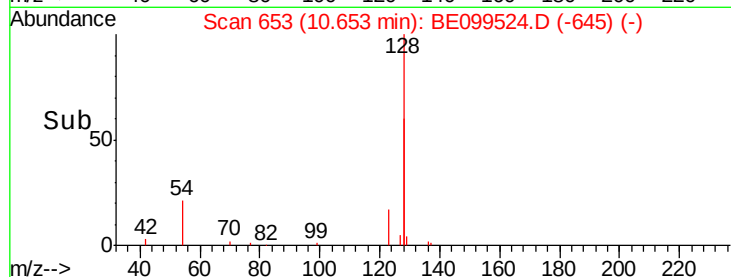
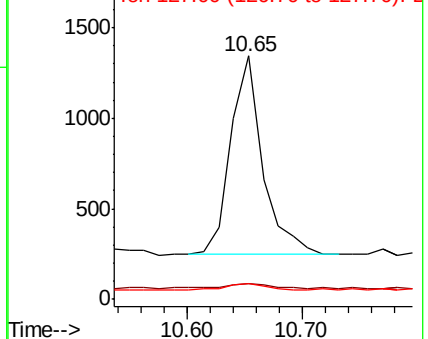
127 6.6 2.8 4.2#



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: 1.319 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.01 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

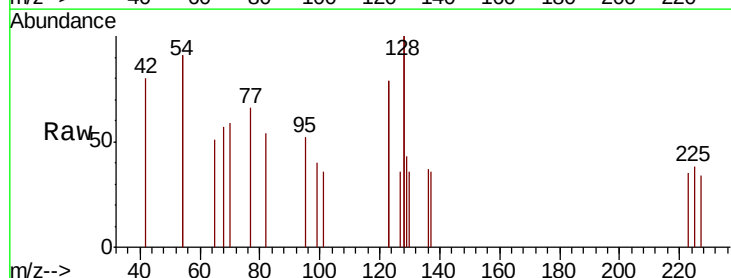
Tgt Ion:225 Resp: 6

Ion Ratio Lower Upper

225 100

223 0.0 51.0 76.6#

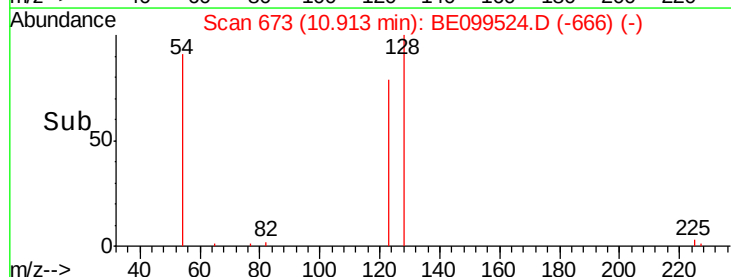
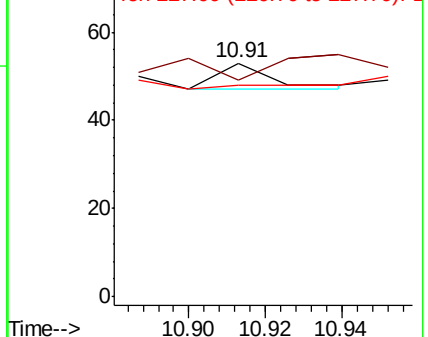
227 0.0 50.9 76.3#

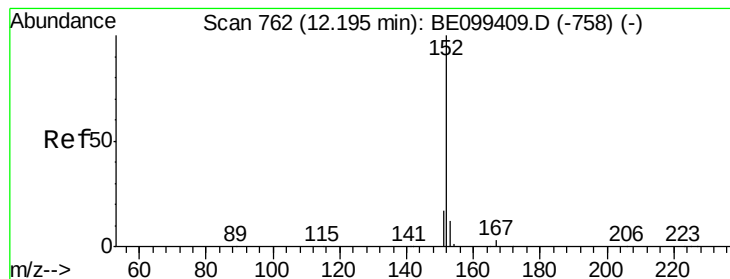


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 523.207 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

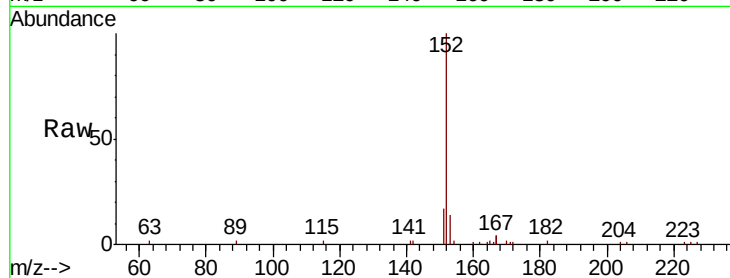
PST-001-SW018-042419

Tgt Ion:152 Resp: 5656

Ion Ratio Lower Upper

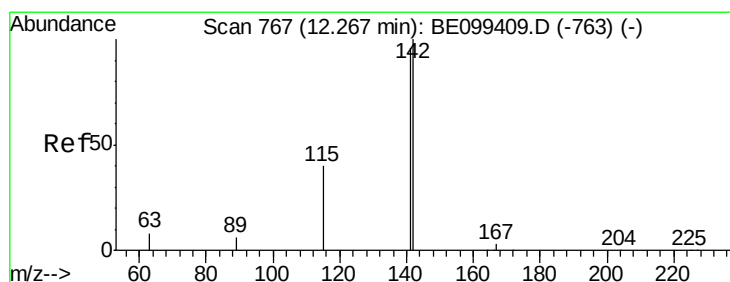
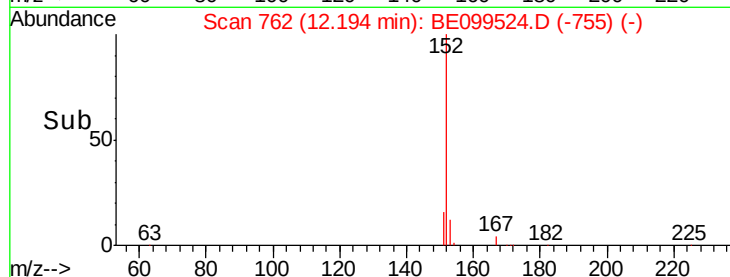
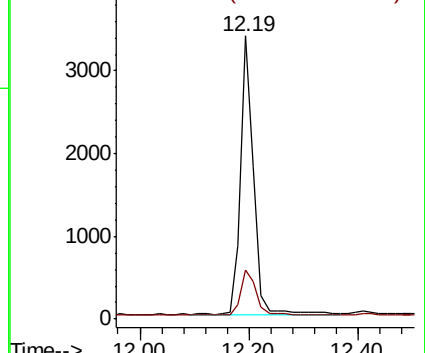
152 100

151 19.2 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 19.701 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

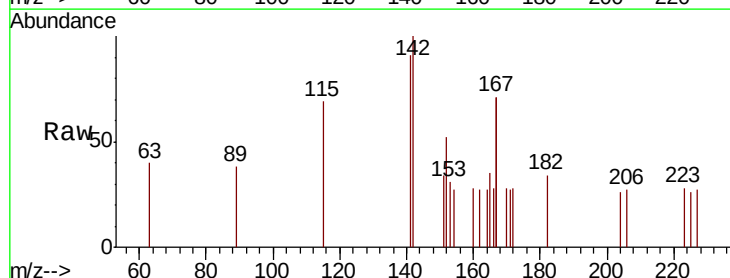
Tgt Ion:142 Resp: 224

Ion Ratio Lower Upper

142 100

141 91.2 77.0 115.4

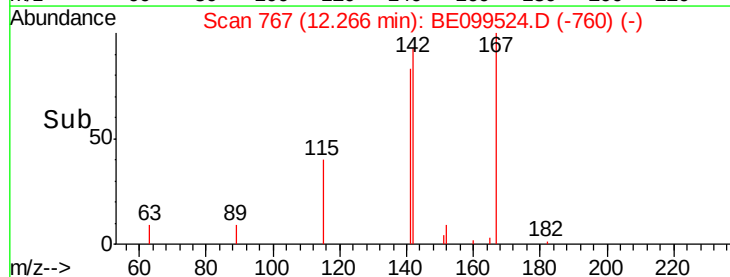
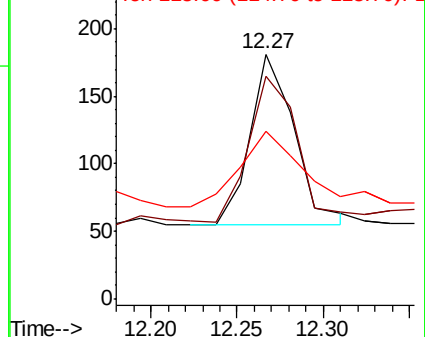
115 68.5 33.4 50.0#



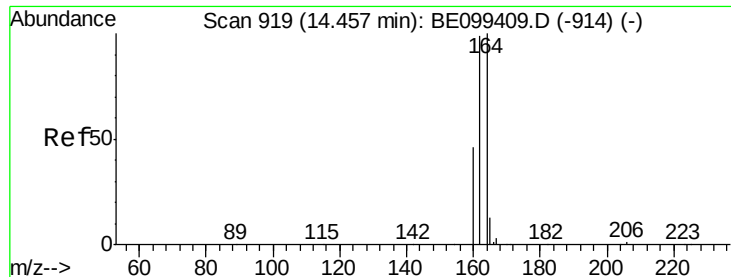
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

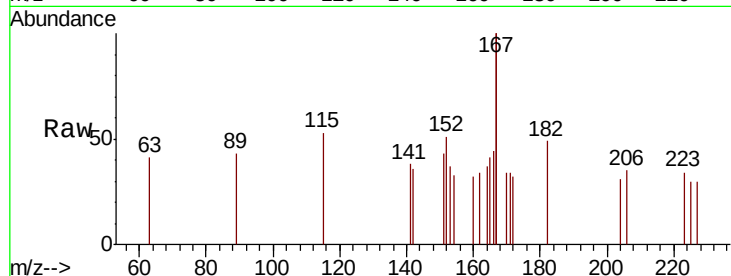
Tgt Ion:164 Resp: 20

Ion Ratio Lower Upper

164 100

162 90.3 79.0 118.4

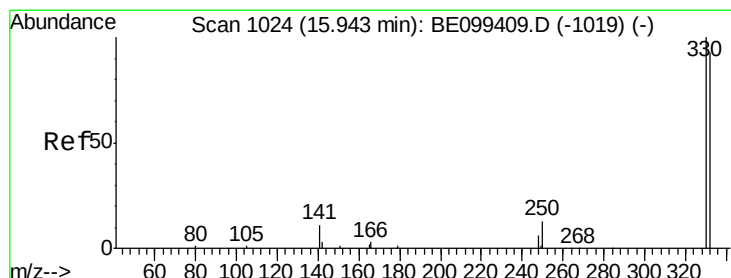
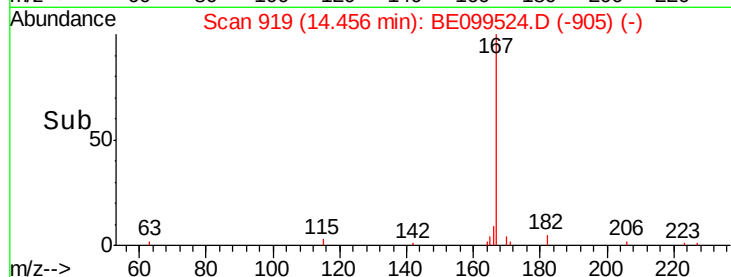
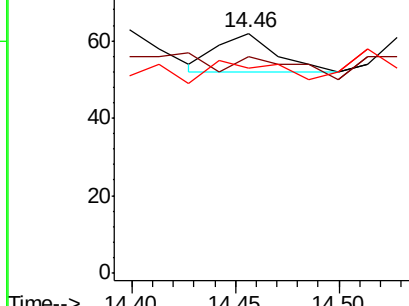
160 85.5 37.0 55.4#



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: 143.593 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

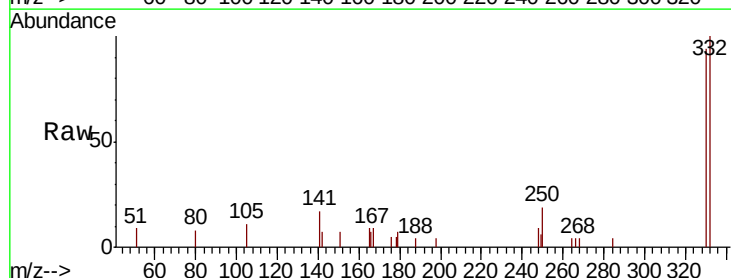
Tgt Ion:330 Resp: 1809

Ion Ratio Lower Upper

330 100

332 103.4 71.5 107.3

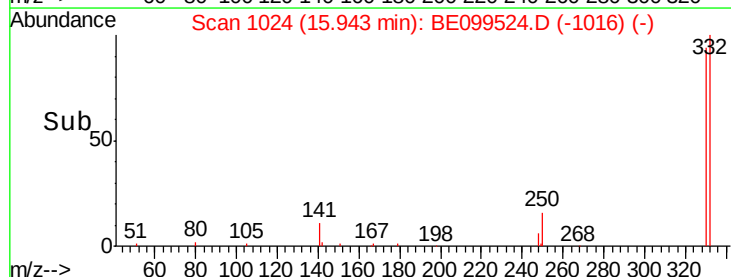
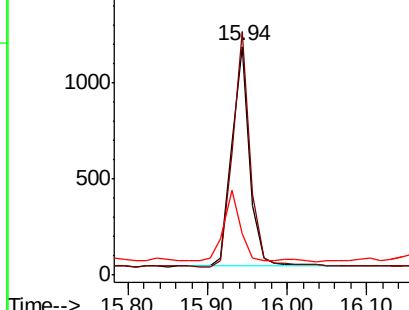
141 29.0 24.0 36.0

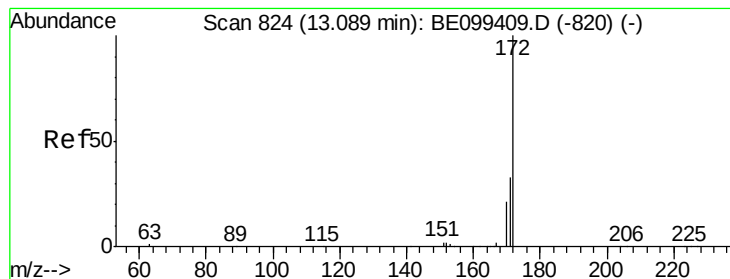


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 106.438 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

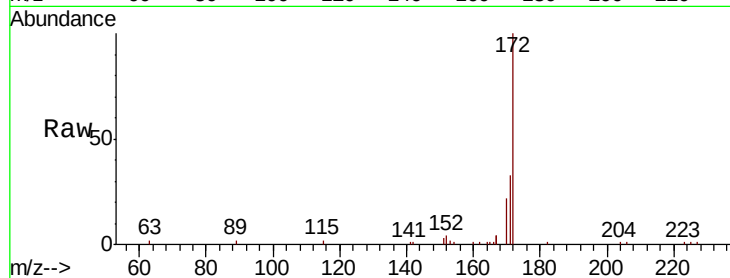
Tgt Ion:172 Resp: 8122

Ion Ratio Lower Upper

172 100

171 33.1 26.6 39.8

170 22.4 17.0 25.6

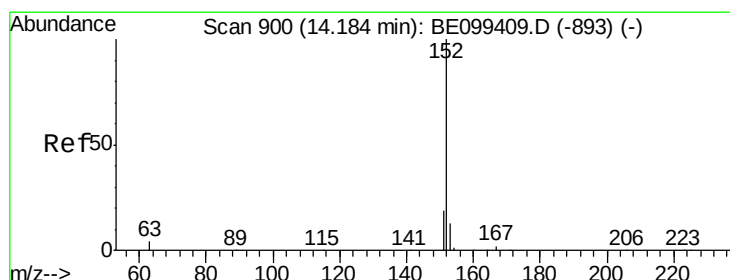
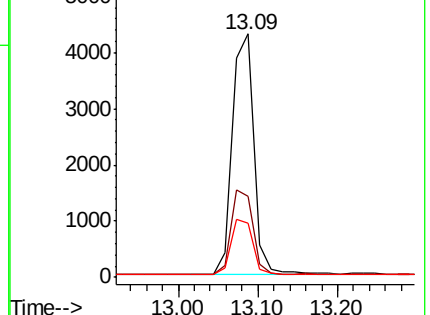
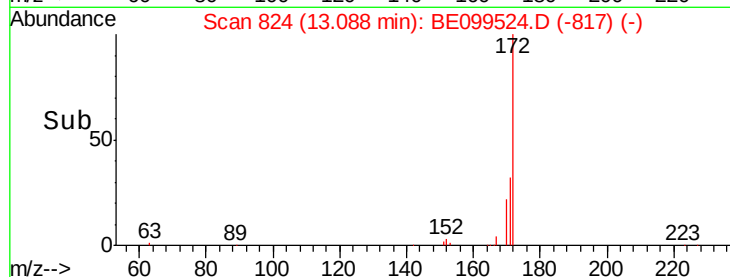


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 28.303 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

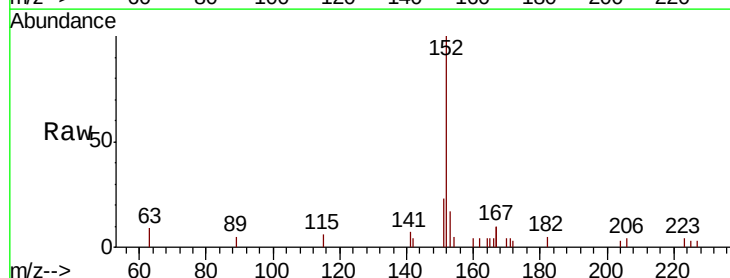
Tgt Ion:152 Resp: 2770

Ion Ratio Lower Upper

152 100

151 21.3 15.4 23.2

153 13.1 9.8 14.6

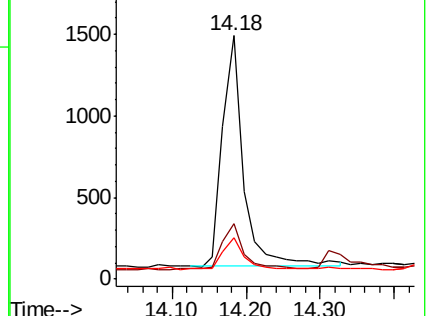
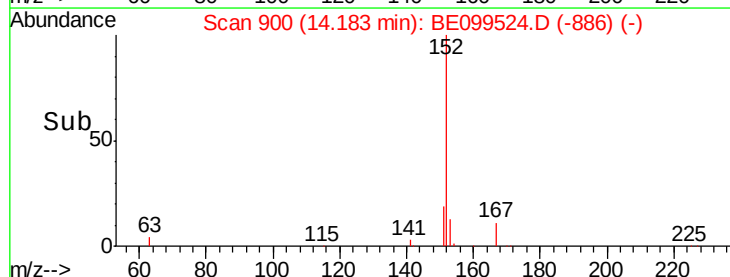


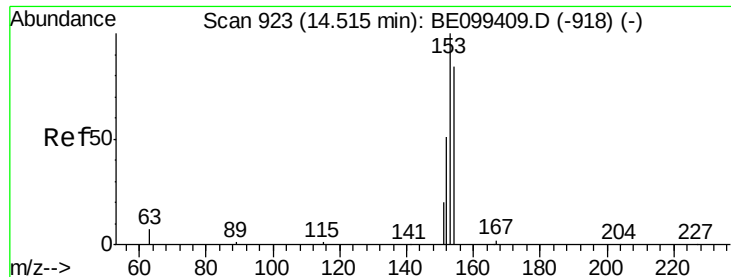
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 3.221 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

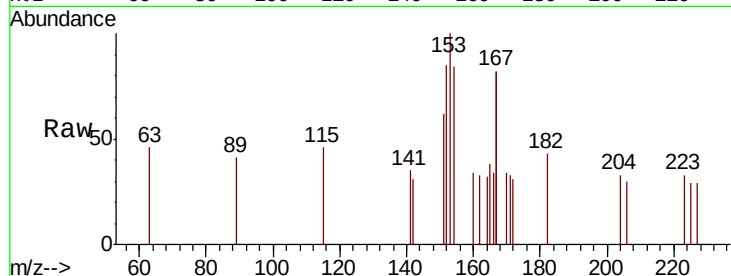
Tgt Ion:154 Resp: 180

Ion Ratio Lower Upper

154 100

153 121.1 92.6 138.8

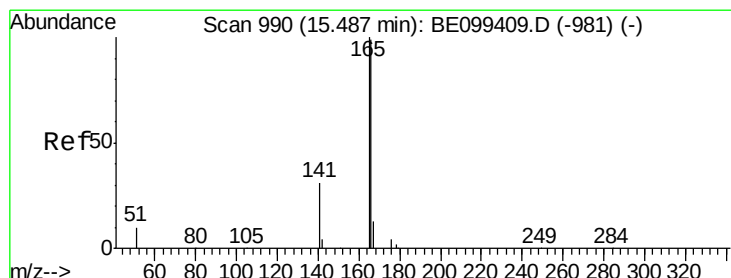
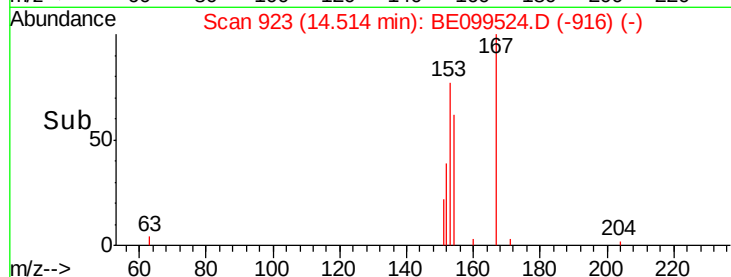
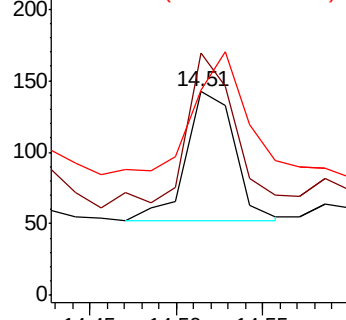
152 101.1 45.8 68.8#



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: 7.301 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

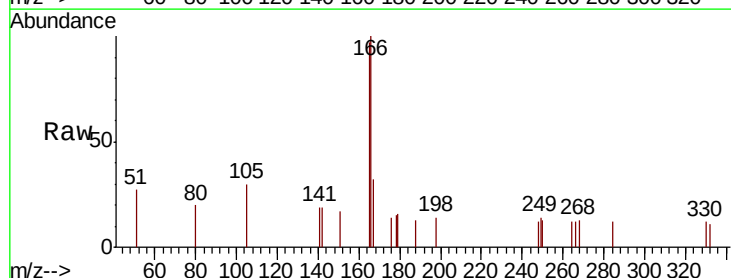
Tgt Ion:166 Resp: 602

Ion Ratio Lower Upper

166 100

165 106.5 80.3 120.5

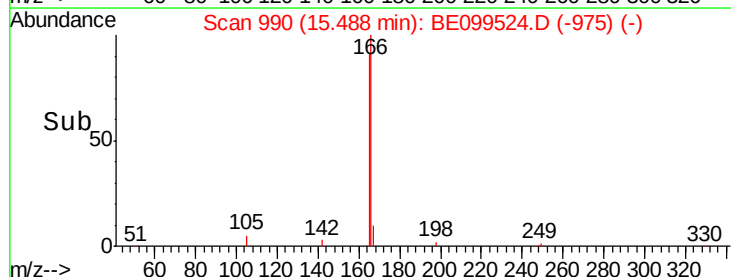
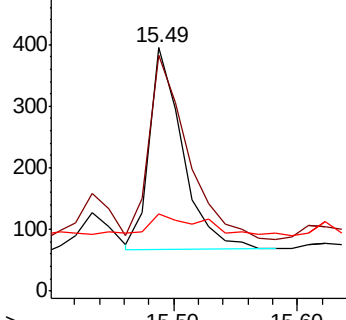
167 23.9 10.7 16.1#

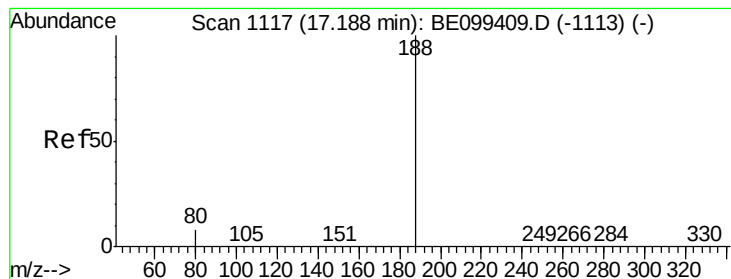


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.17 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

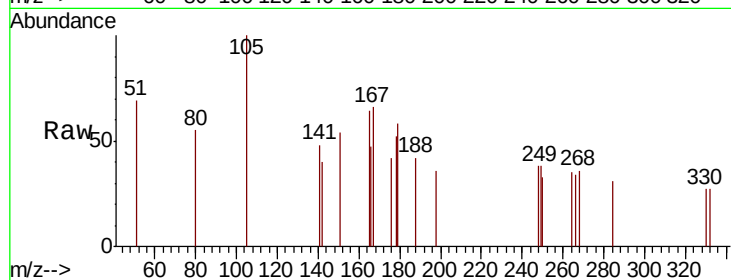
Tgt Ion:188 Resp: 43

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

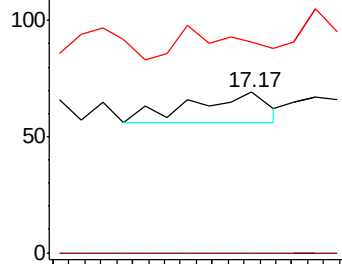
80 131.9 6.7 10.1#



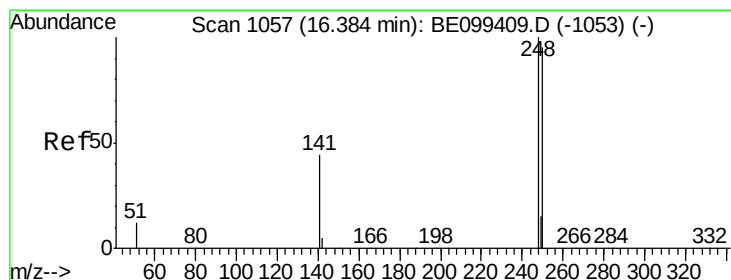
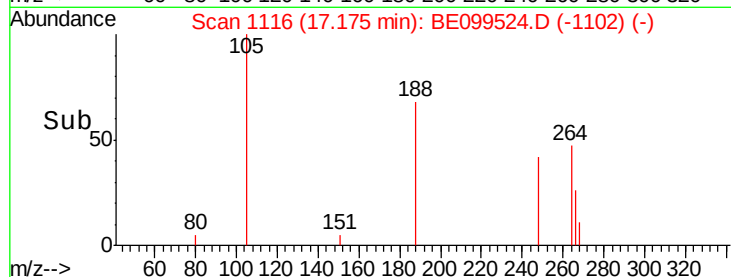
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time--> 17.05 17.10 17.15 17.20



#20

4-Bromophenyl-phenylether

Concen: 0.799 ng

RT: 16.38 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

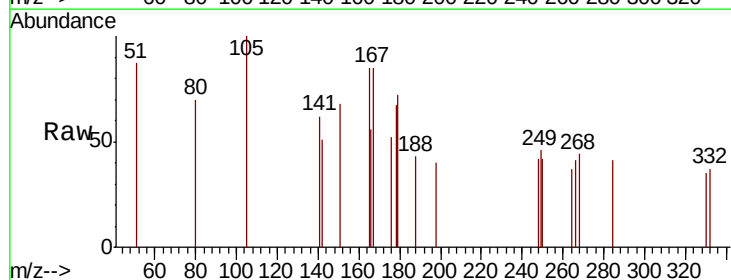
Tgt Ion:248 Resp: 20

Ion Ratio Lower Upper

248 100

250 100.0 75.8 113.8

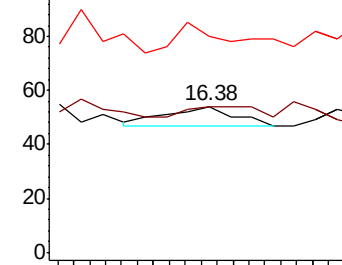
141 148.1 35.7 53.5#



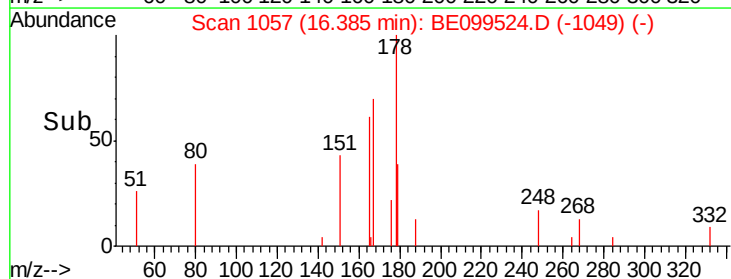
Abundance Ion 248.00 (247.70 to 248.70): E

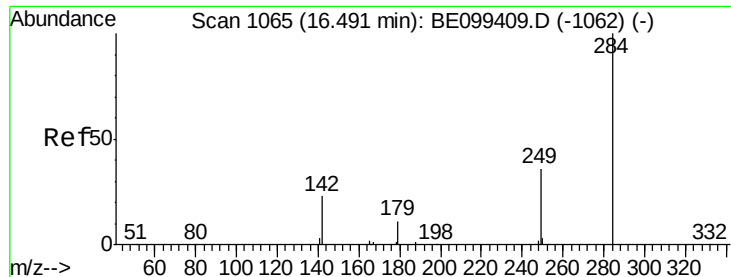
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.30 16.35 16.40 16.45





#21

Hexachlorobenzene

Concen: 0.922 ng

RT: 16.49 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

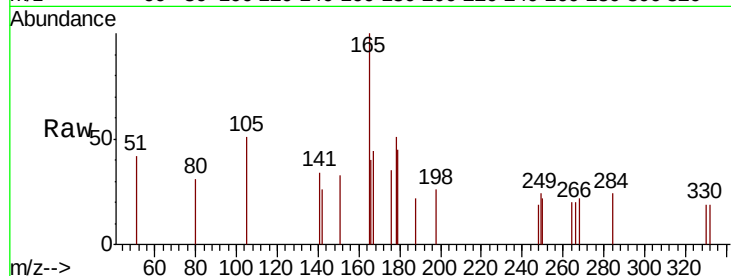
Tgt Ion:284 Resp: 22

Ion Ratio Lower Upper

284 100

142 0.0 21.0 31.6#

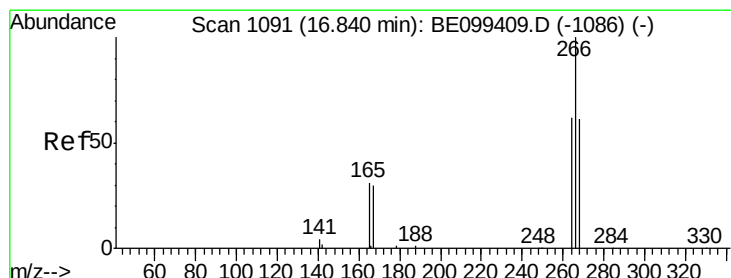
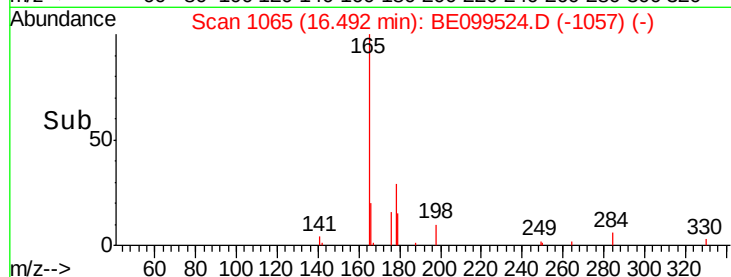
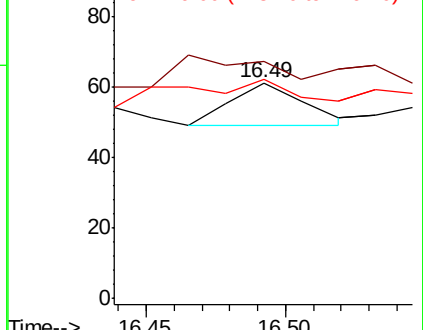
249 104.5 26.7 40.1#



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: 5.787 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

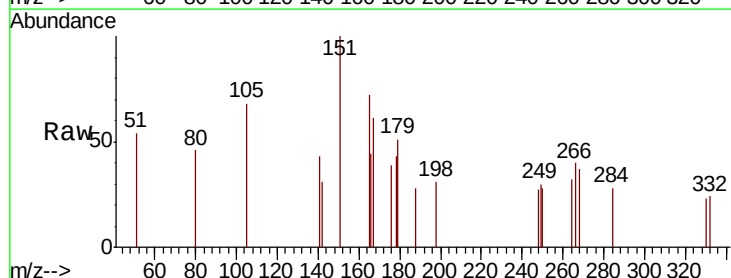
Tgt Ion:266 Resp: 80

Ion Ratio Lower Upper

266 100

264 79.5 50.8 76.2#

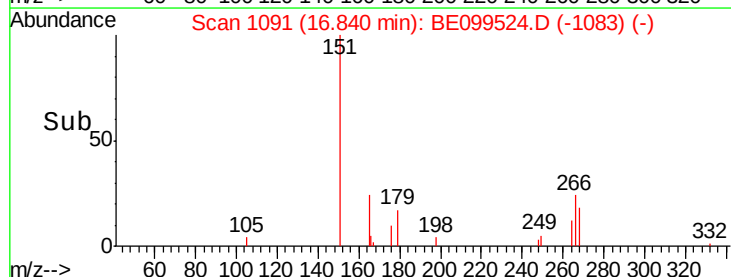
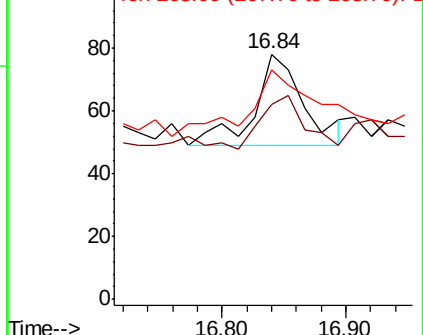
268 93.6 50.5 75.7#

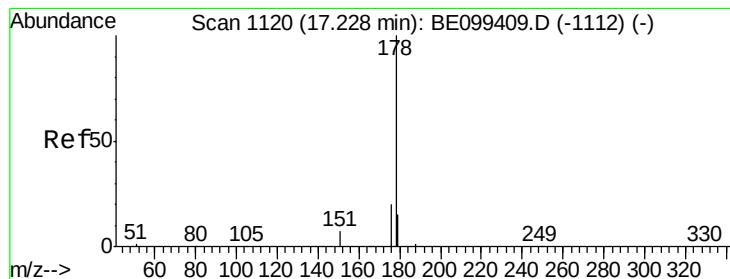


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 165.857 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

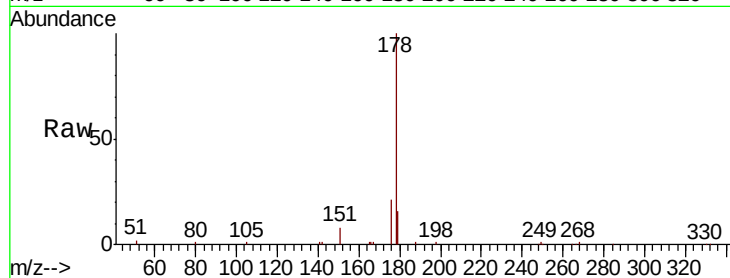
Tgt Ion:178 Resp: 18403

Ion Ratio Lower Upper

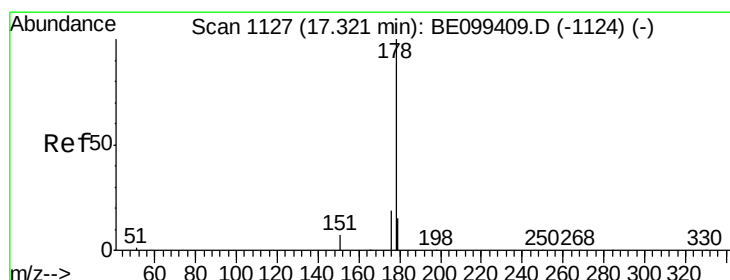
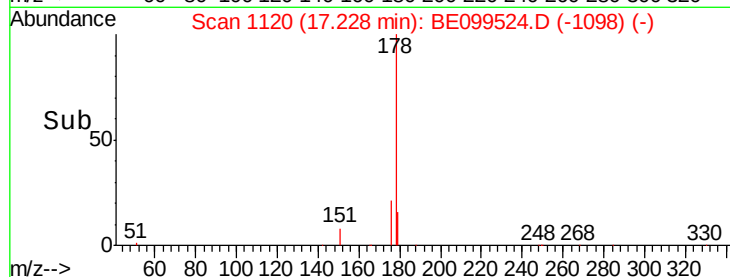
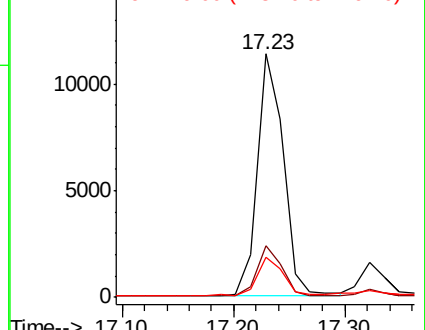
178 100

176 20.0 15.6 23.4

179 15.9 12.0 18.0



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



#24

Anthracene

Concen: 20.557 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

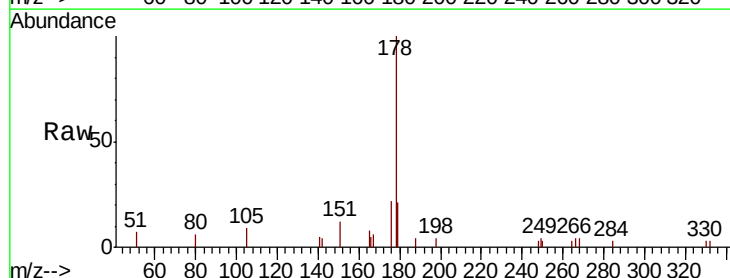
Tgt Ion:178 Resp: 2174

Ion Ratio Lower Upper

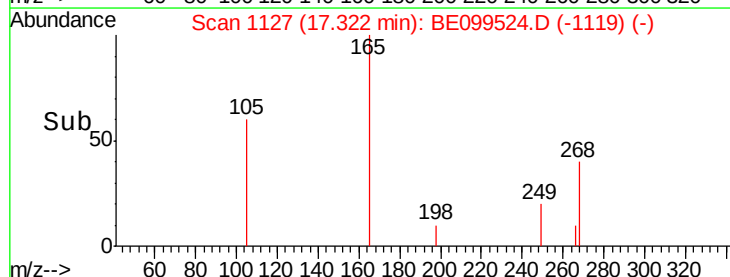
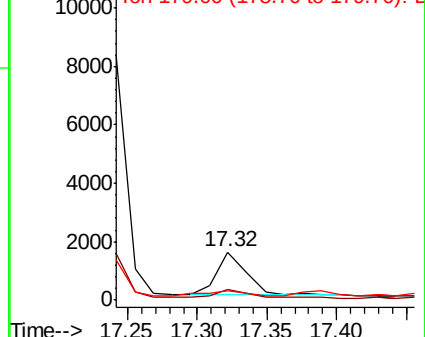
178 100

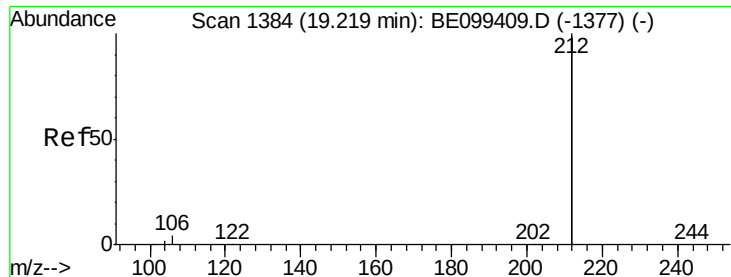
176 21.0 14.9 22.3

179 16.4 11.9 17.9



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: 157.189 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

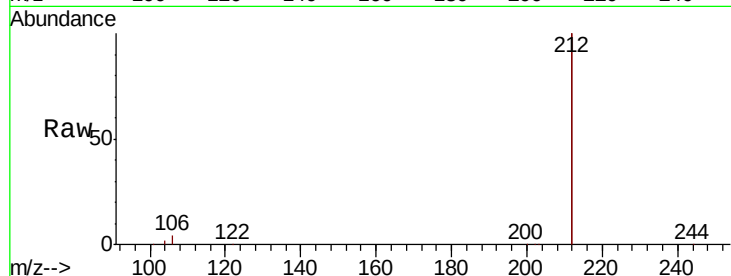
Tgt Ion:212 Resp: 91099

Ion Ratio Lower Upper

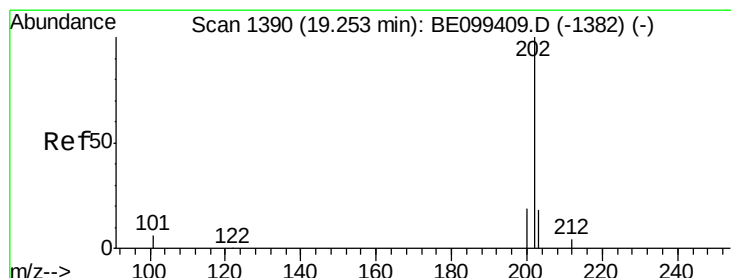
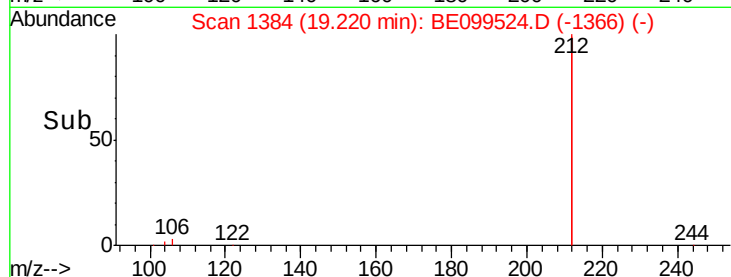
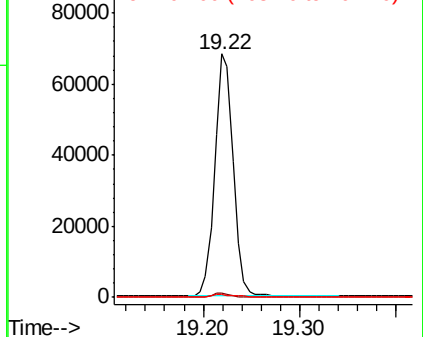
212 100

106 1.7 1.5 2.3

104 1.2 0.9 1.3



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: 315.631 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

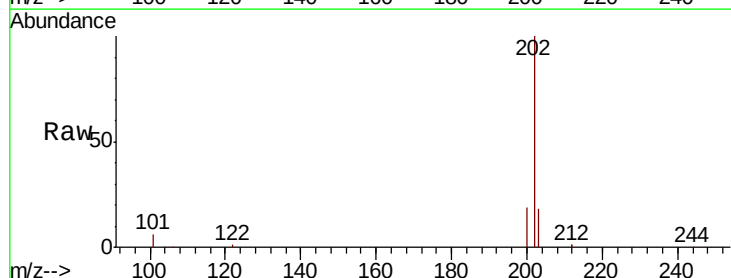
Tgt Ion:202 Resp: 52458

Ion Ratio Lower Upper

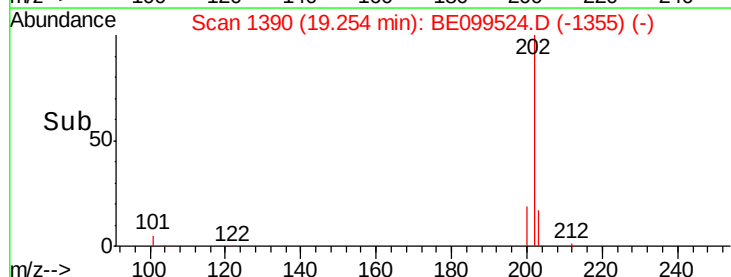
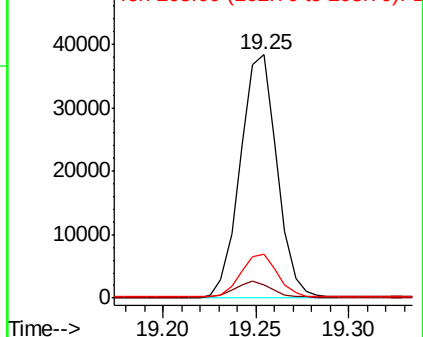
202 100

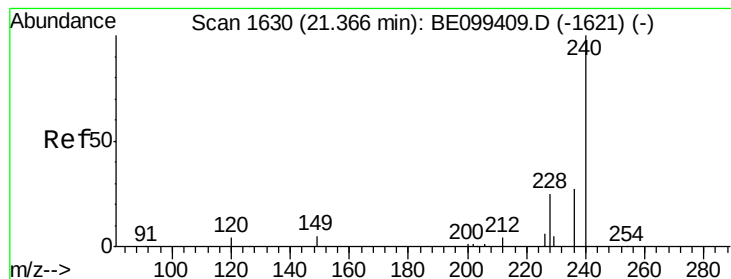
101 6.7 5.4 8.0

203 17.6 13.9 20.9



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# 1631

Delta R.T. 0.02 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

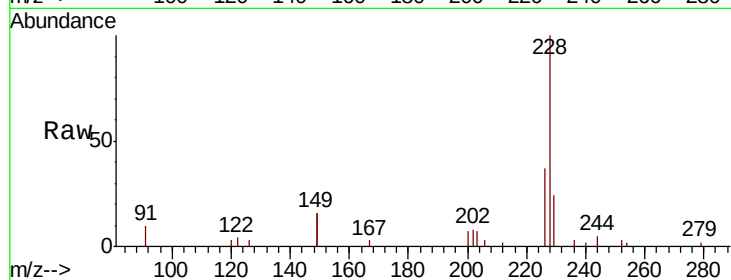
Tgt Ion:240 Resp: 77

Ion Ratio Lower Upper

240 100

120 130.9 4.0 6.0#

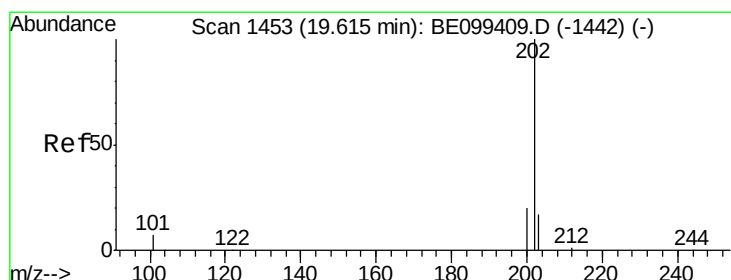
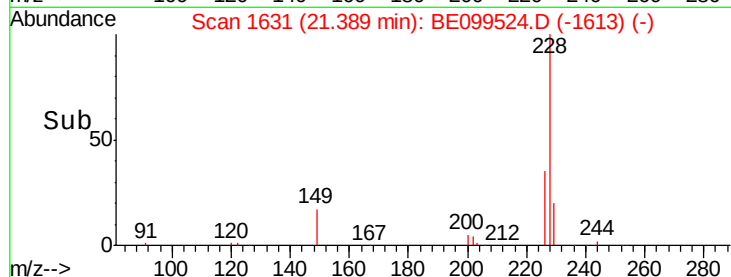
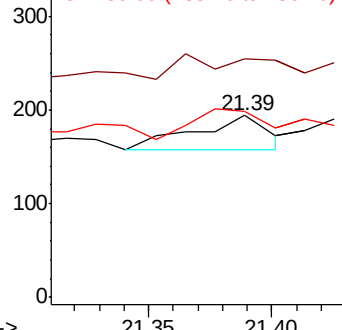
236 102.6 22.0 33.0#



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: 300.416 ng

RT: 19.62 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

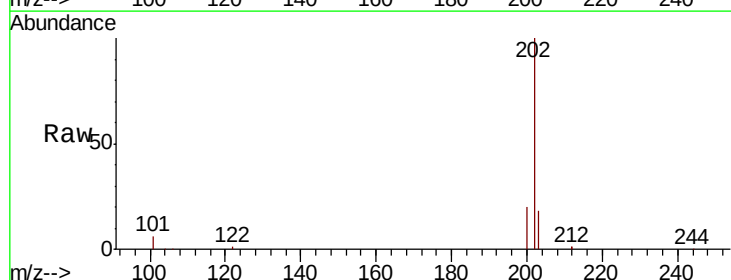
Tgt Ion:202 Resp: 60298

Ion Ratio Lower Upper

202 100

200 19.7 15.7 23.5

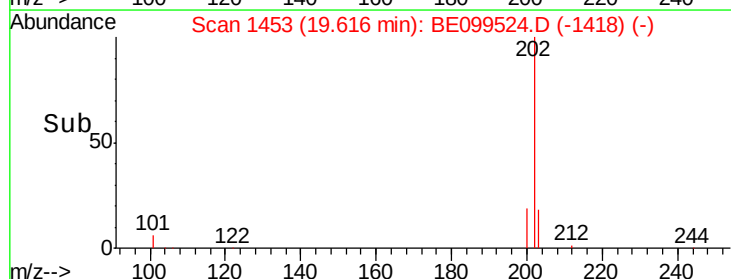
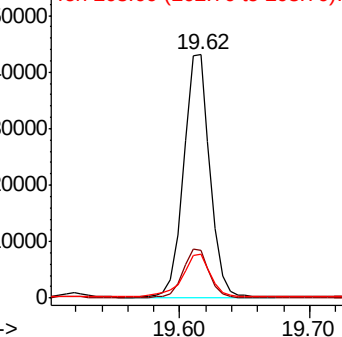
203 19.3 13.9 20.9



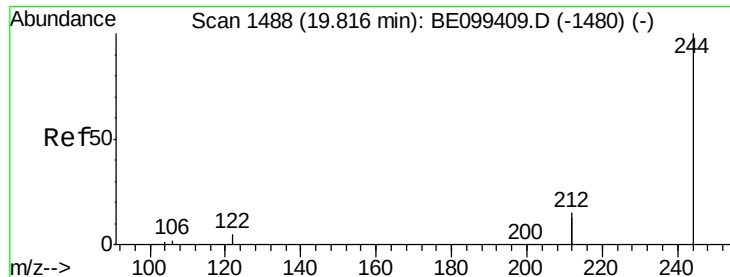
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 129.902 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

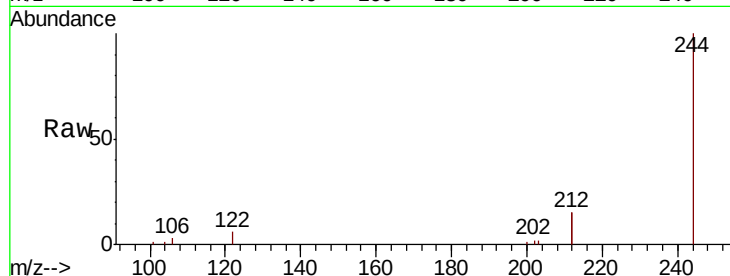
Tgt Ion:244 Resp: 18318

Ion Ratio Lower Upper

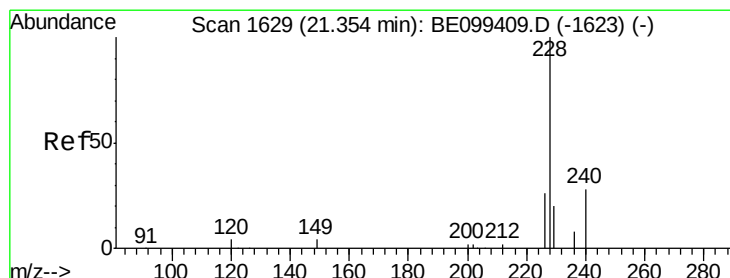
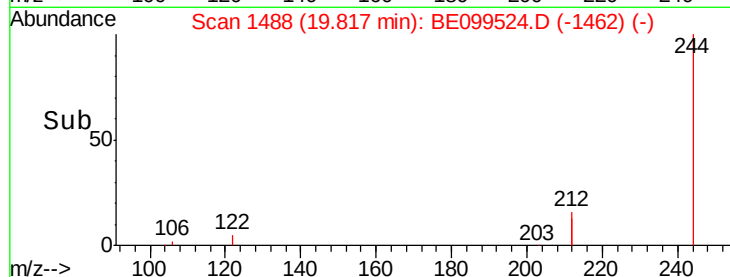
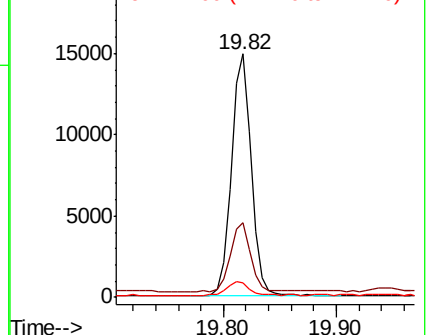
244 100

212 30.8 23.2 34.8

122 5.7 4.2 6.4



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



#30

Benzo(a)anthracene

Concen: 117.905 ng

RT: 21.40 min Scan# 1632

Delta R.T. 0.05 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

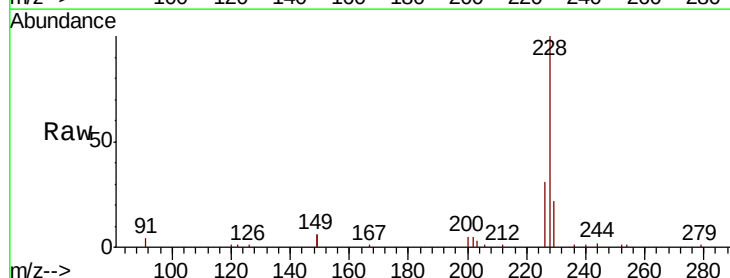
Tgt Ion:228 Resp: 28926

Ion Ratio Lower Upper

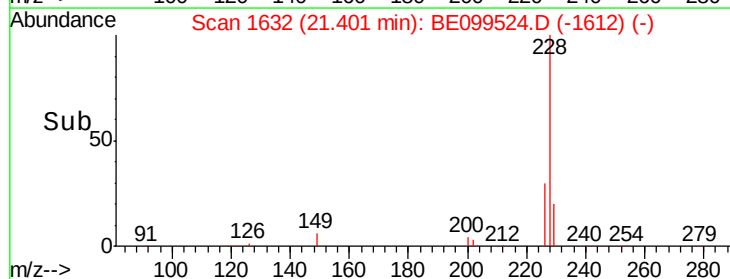
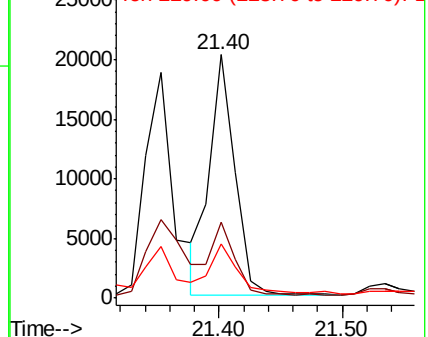
228 100

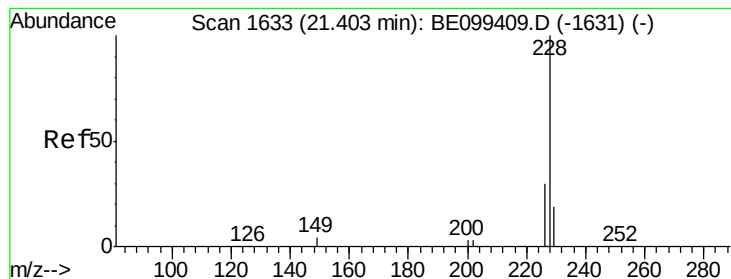
226 31.0 21.0 31.6

229 22.3 16.6 25.0



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





#31

Chrysene

Concen: 119.826 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

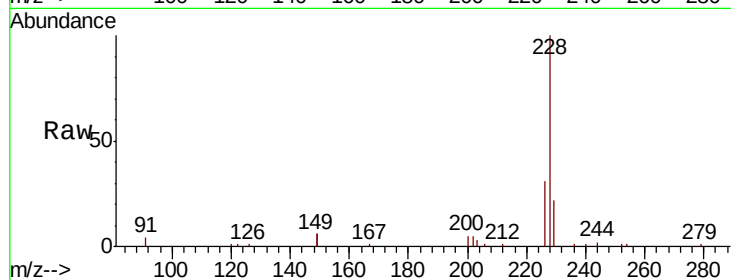
Tgt Ion:228 Resp: 28767

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

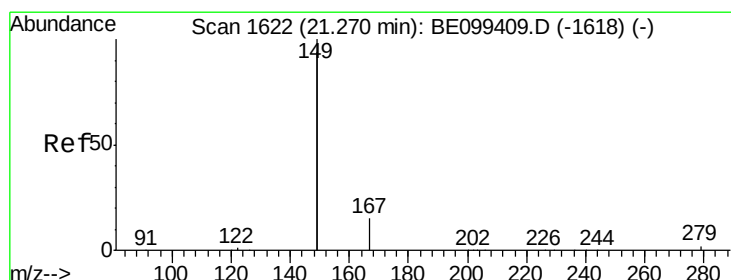
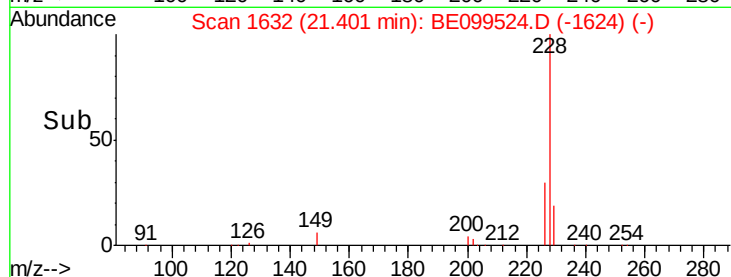
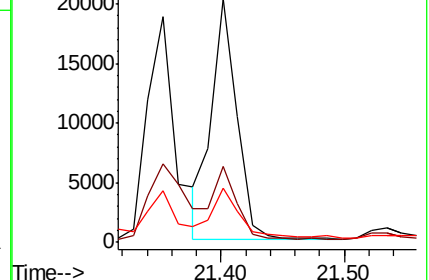
229 22.3 15.8 23.8



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: 53.862 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

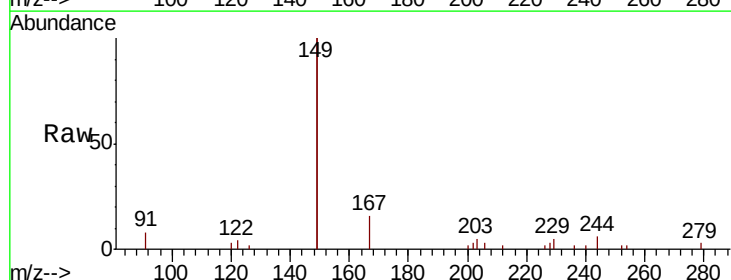
Tgt Ion:149 Resp: 18661

Ion Ratio Lower Upper

149 100

167 7.7 5.8 8.6

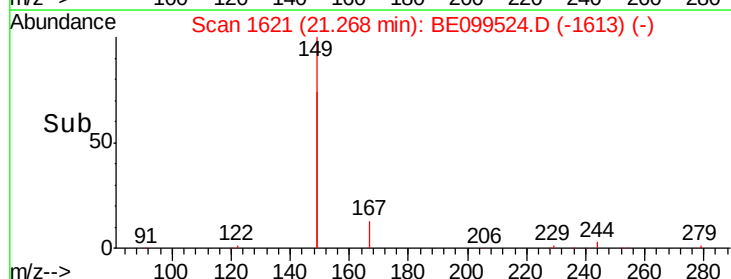
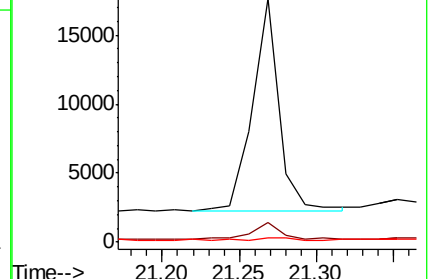
279 1.2 1.0 1.6

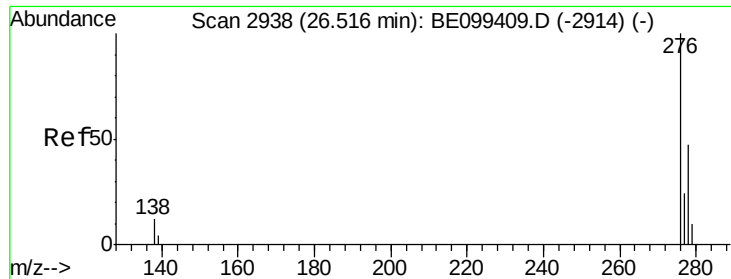


Abundance Ion 149.00 (148.70 to 149.70): E

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: 73.652 ng

RT: 26.52 min Scan# 2937

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

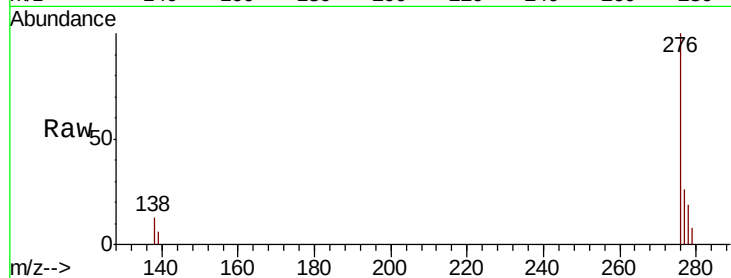
Tgt Ion:276 Resp: 20898

Ion Ratio Lower Upper

276 100

138 11.3 10.2 15.2

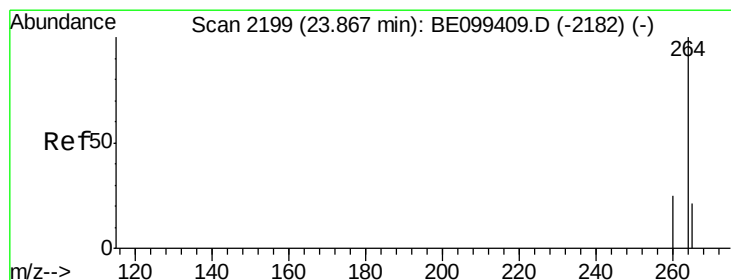
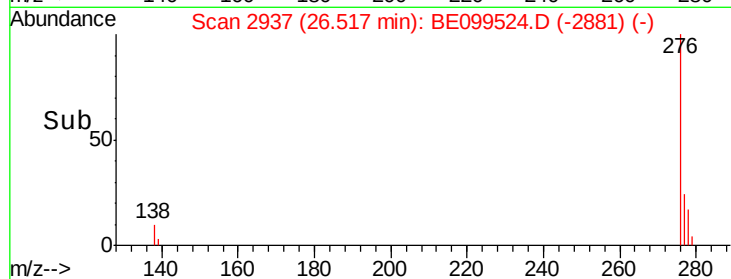
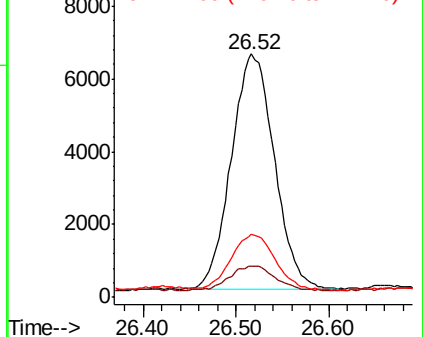
277 25.2 19.2 28.8



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.88 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

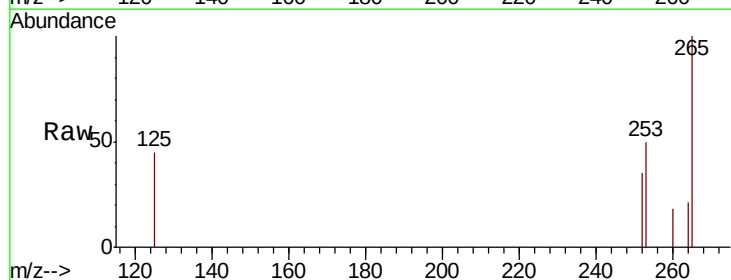
Tgt Ion:264 Resp: 37

Ion Ratio Lower Upper

264 100

260 85.9 20.2 30.2#

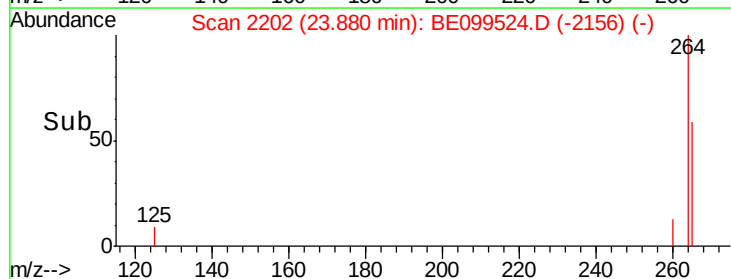
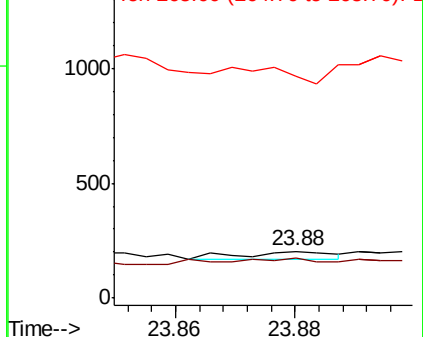
265 470.7 21.3 31.9#

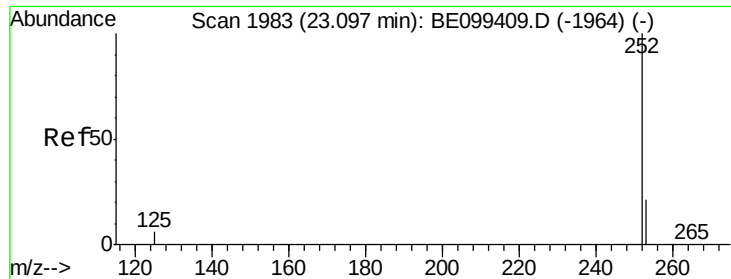


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 348.356 ng

RT: 23.10 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

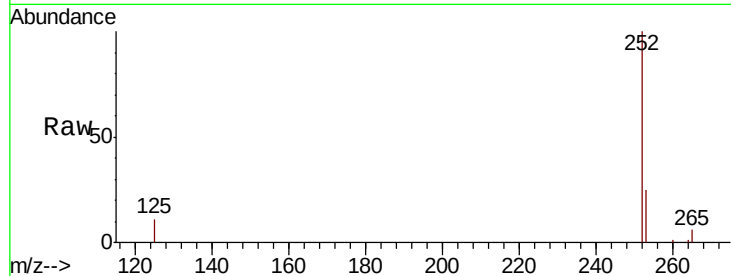
Tgt Ion:252 Resp: 37166

Ion Ratio Lower Upper

252 100

253 24.9 18.1 27.1

125 10.6 5.6 8.4#

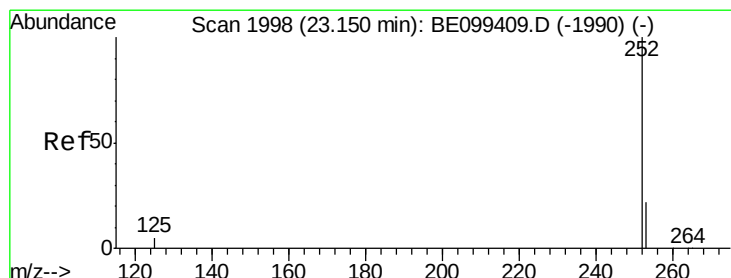
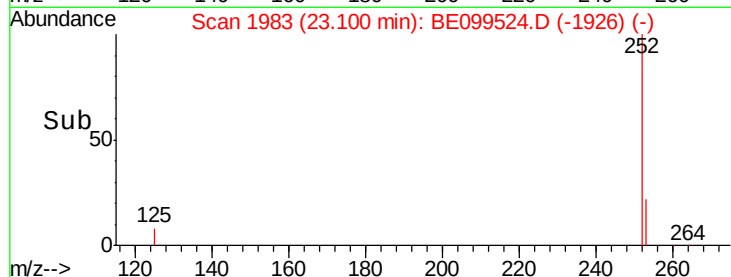
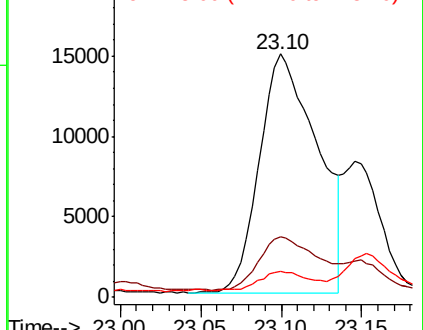


Abundance

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



#36

Benzo(k)fluoranthene

Concen: 361.262 ng

RT: 23.10 min Scan# 1983

Delta R.T. -0.05 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

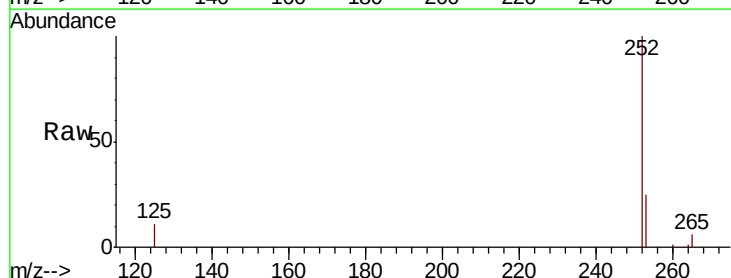
Tgt Ion:252 Resp: 37166

Ion Ratio Lower Upper

252 100

253 24.9 18.4 27.6

125 10.6 5.0 7.4#

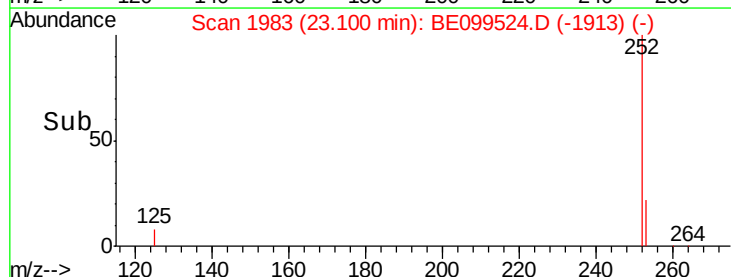
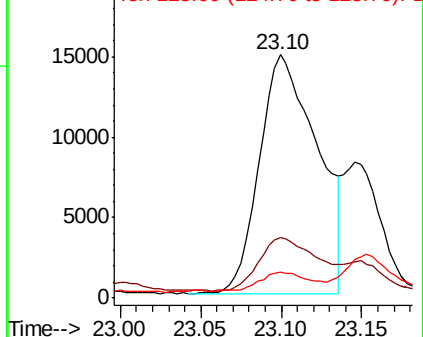


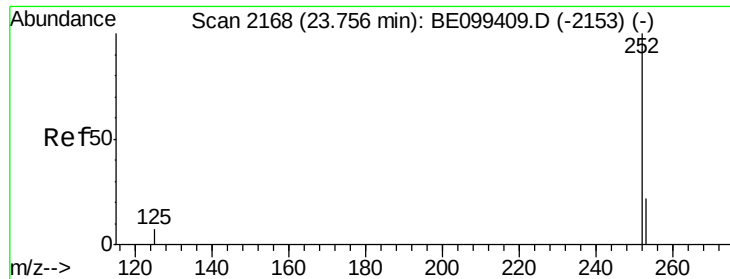
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 257.805 ng

RT: 23.76 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419

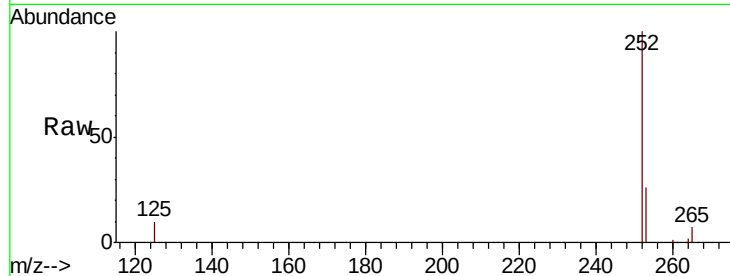
Tgt Ion:252 Resp: 26003

Ion Ratio Lower Upper

252 100

253 26.2 18.9 28.3

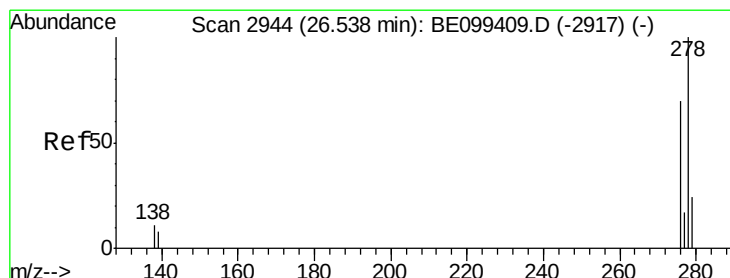
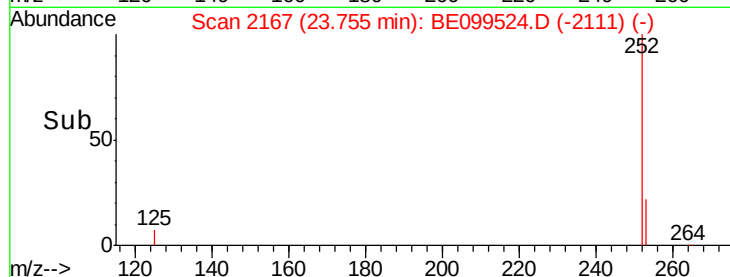
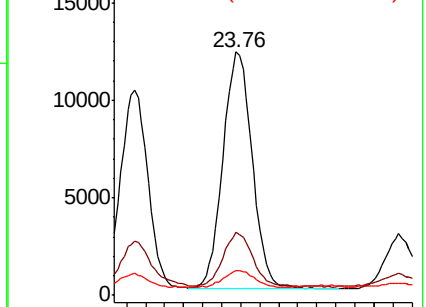
125 10.0 6.7 10.1



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: 48.897 ng

RT: 26.53 min Scan# 2941

Delta R.T. -0.01 min

Lab File: BE099524.D

Acq: 3 May 2019 10:19

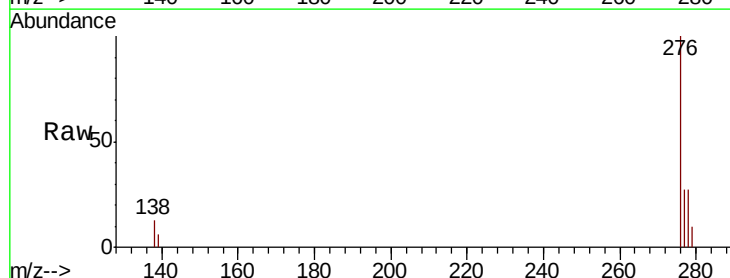
Tgt Ion:278 Resp: 5045

Ion Ratio Lower Upper

278 100

139 23.8 7.7 11.5#

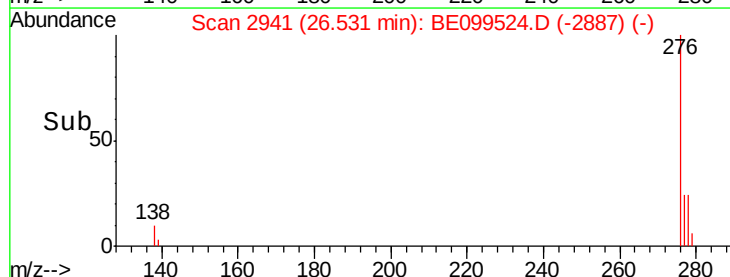
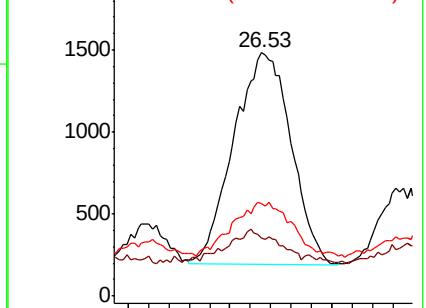
279 38.1 20.2 30.2#

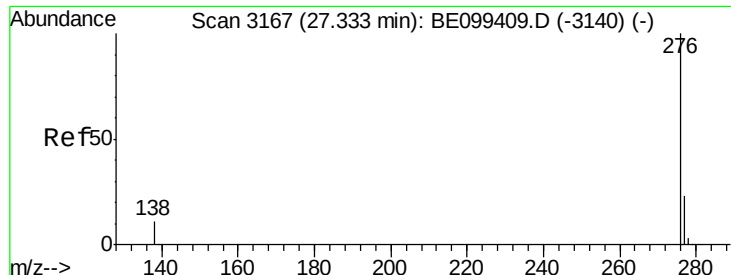


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 216.434 ng

RT: 27.34 min Scan# 3169

Delta R.T. 0.01 min

Lab File: BE099524.D

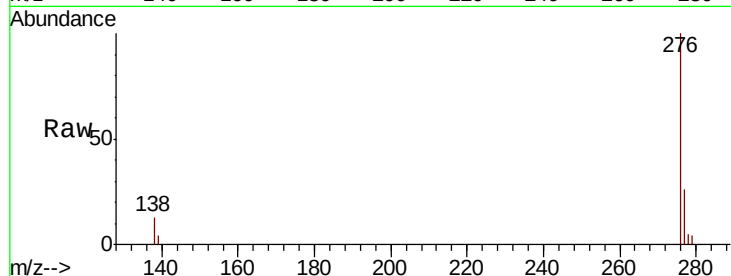
Acq: 3 May 2019 10:19

Instrument :

BNA\_E

ClientSampleId :

PST-001-SW018-042419



Tgt Ion: 276 Resp: 22373

Ion Ratio Lower Upper

276 100

277 26.3 19.5 29.3

138 13.5 9.6 14.4

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

