

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE051619\  
 Data File : BE099620.D  
 Acq On : 16 May 2019 12:37  
 Operator : JU/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: May 17 07:01:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE051419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 14 19:30:50 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.81  | 152  | 1812     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.61 | 136  | 6436     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 4631     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 13337    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.41 | 240  | 17912    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.96 | 264  | 21354    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.38  | 112  | 1786     | 0.35 | ng    | 0.00     |
| 5) Phenol-d6                | 6.98  | 99   | 2315     | 0.36 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.98  | 82   | 2100     | 0.34 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 3973     | 0.37 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.98 | 330  | 929      | 0.29 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 6459     | 0.36 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.27 | 212  | 65238    | 0.37 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.86 | 244  | 12666    | 0.39 | ng    | 0.00     |

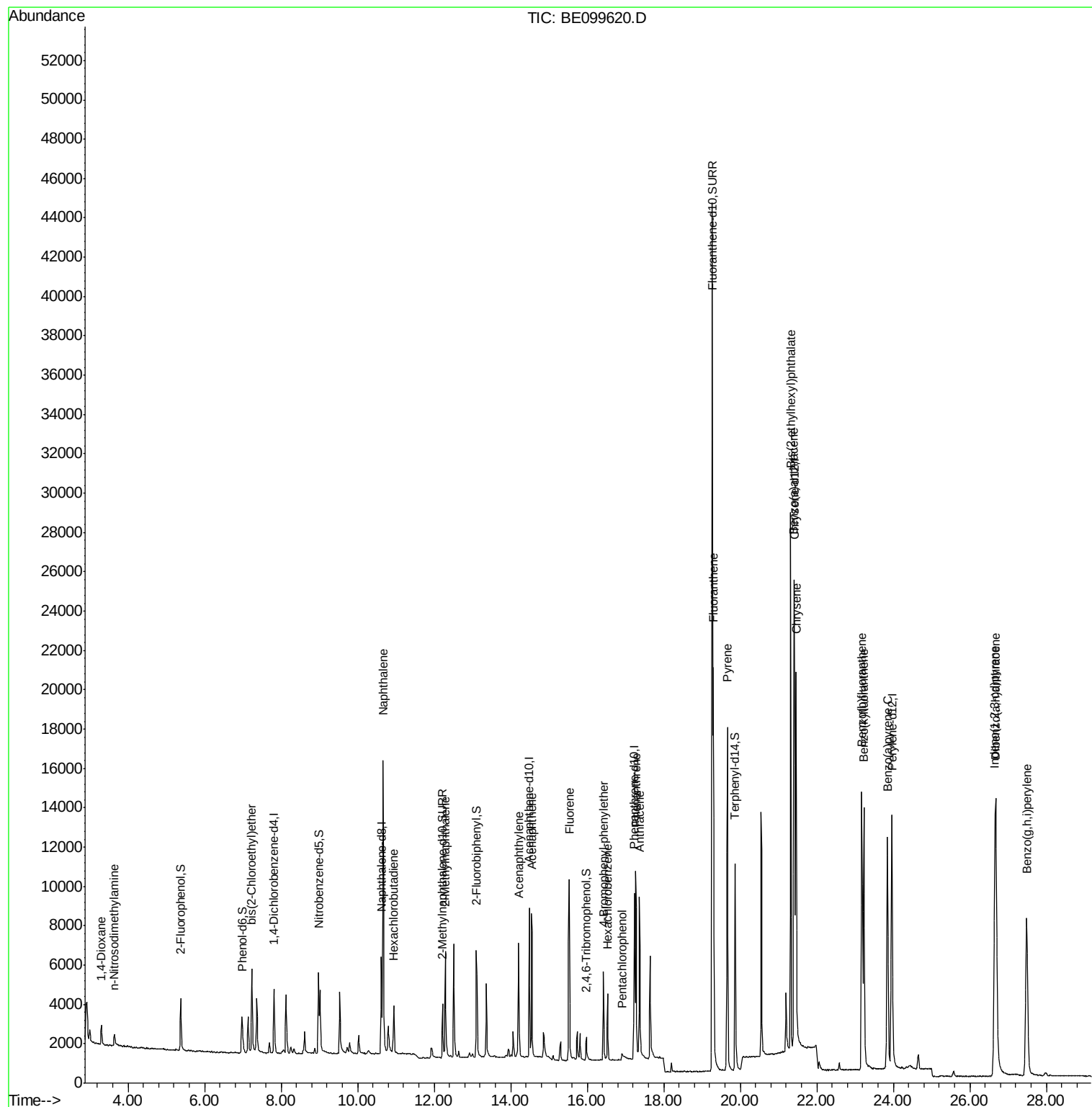
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88   | 915      | 0.342 | ng    | # 89   |
| 3) n-Nitrosodimethylamine      | 3.64  | 42   | 479      | 0.281 | ng    | # 97   |
| 6) bis(2-Chloroethyl)ether     | 7.23  | 93   | 2003     | 0.365 | ng    | 95     |
| 9) Naphthalene                 | 10.67 | 128  | 25405    | 0.371 | ng    | 99     |
| 10) Hexachlorobutadiene        | 10.94 | 225  | 1885     | 0.376 | ng    | 99     |
| 12) 2-Methylnaphthalene        | 12.30 | 142  | 4158     | 0.368 | ng    | 98     |
| 16) Acenaphthylene             | 14.21 | 152  | 7674     | 0.351 | ng    | 100    |
| 17) Acenaphthene               | 14.54 | 154  | 4367     | 0.354 | ng    | 99     |
| 18) Fluorene                   | 15.53 | 166  | 6301     | 0.356 | ng    | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.42 | 248  | 2769     | 0.360 | ng    | 98     |
| 21) Hexachlorobenzene          | 16.53 | 284  | 2915     | 0.386 | ng    | 99     |
| 22) Pentachlorophenol          | 16.91 | 266  | 545      | 0.399 | ng    | 96     |
| 23) Phenanthrene               | 17.27 | 178  | 11774    | 0.356 | ng    | 99     |
| 24) Anthracene                 | 17.36 | 178  | 10170    | 0.333 | ng    | 99     |
| 26) Fluoranthene               | 19.30 | 202  | 18866    | 0.377 | ng    | 99     |
| 28) Pyrene                     | 19.66 | 202  | 19161    | 0.420 | ng    | 99     |
| 30) Benzo(a)anthracene         | 21.40 | 228  | 20392    | 0.377 | ng    | 100    |
| 31) Chrysene                   | 21.46 | 228  | 22253    | 0.399 | ng    | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 27653    | 0.331 | ng    | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.65 | 276  | 27124    | 0.391 | ng    | 99     |
| 35) Benzo(b)fluoranthene       | 23.17 | 252  | 21521    | 0.360 | ng    | 98     |
| 36) Benzo(k)fluoranthene       | 23.23 | 252  | 21697    | 0.368 | ng    | 99     |
| 37) Benzo(a)pyrene             | 23.84 | 252  | 21120    | 0.365 | ng    | 98     |
| 38) Dibenzo(a,h)anthracene     | 26.68 | 278  | 22228    | 0.371 | ng    | 98     |
| 39) Benzo(g,h,i)perylene       | 27.49 | 276  | 22563    | 0.374 | ng    | 99     |

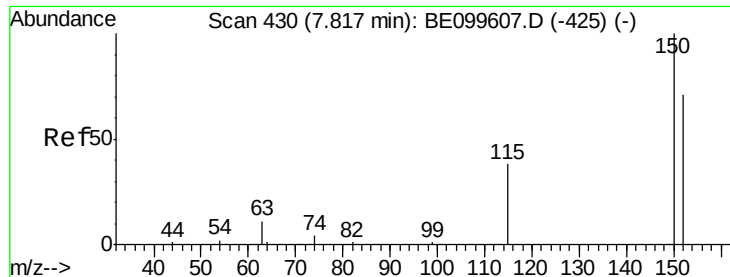
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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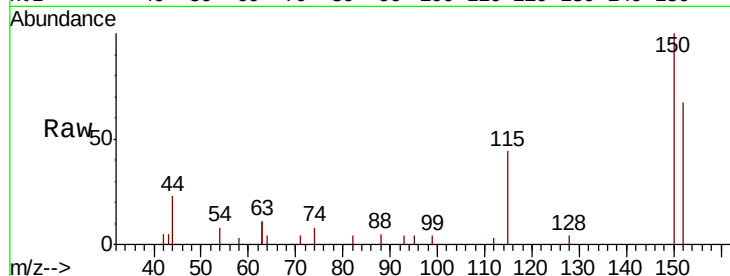


#1

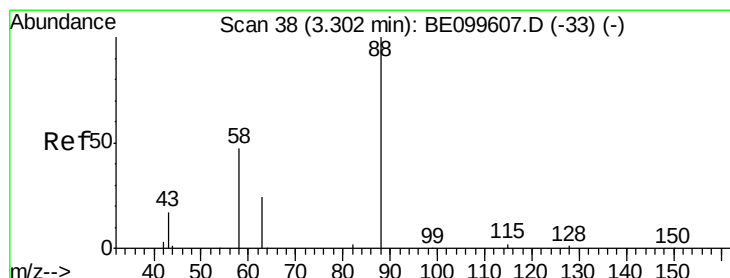
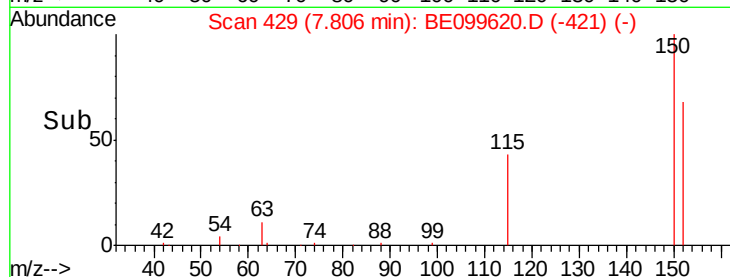
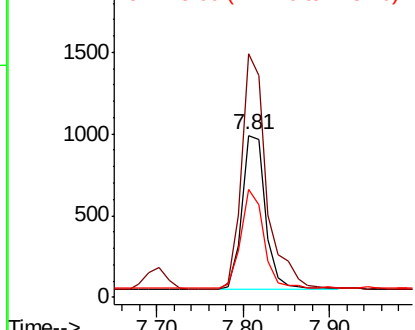
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.81 min Scan# 429  
Delta R.T. -0.01 min  
Lab File: BE099620.D  
Acq: 16 May 2019 12:37

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion: 152 Resp: 1812  
Ion Ratio Lower Upper  
152 100  
150 150.2 110.1 165.1  
115 66.3 46.2 69.4



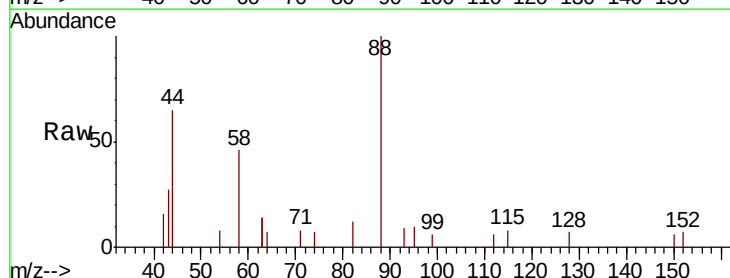
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



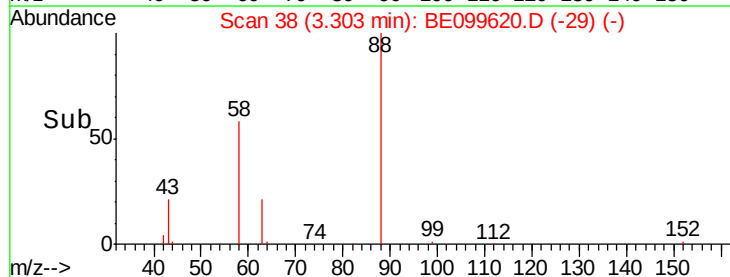
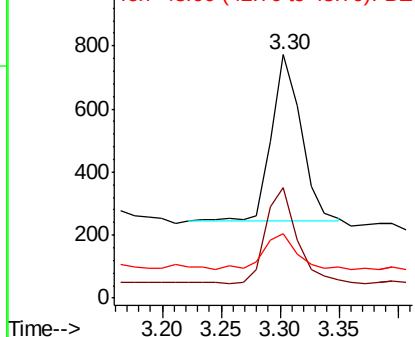
#2

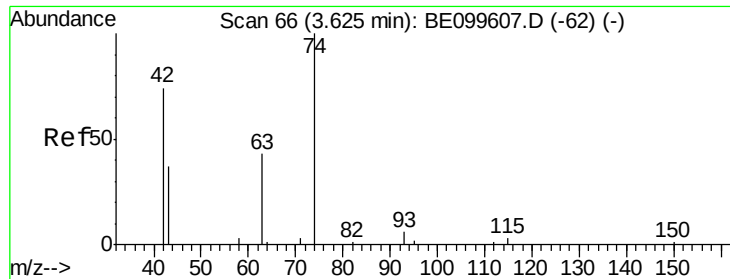
1,4-Dioxane  
Concen: 0.342 ng  
RT: 3.30 min Scan# 38  
Delta R.T. 0.00 min  
Lab File: BE099620.D  
Acq: 16 May 2019 12:37

Tgt Ion: 88 Resp: 915  
Ion Ratio Lower Upper  
88 100  
58 60.2 39.8 59.6#  
43 25.4 21.0 31.6



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: 0.281 ng

RT: 3.64 min Scan# 67

Delta R.T. 0.01 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

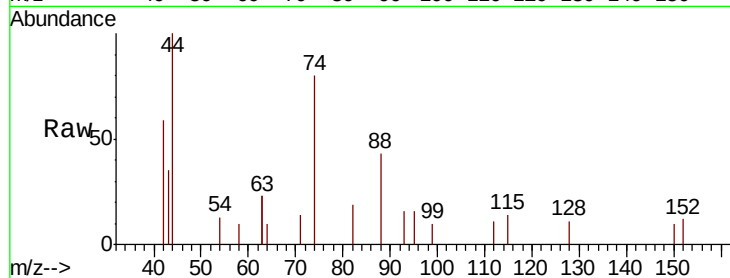
Tgt Ion: 42 Resp: 479

Ion Ratio Lower Upper

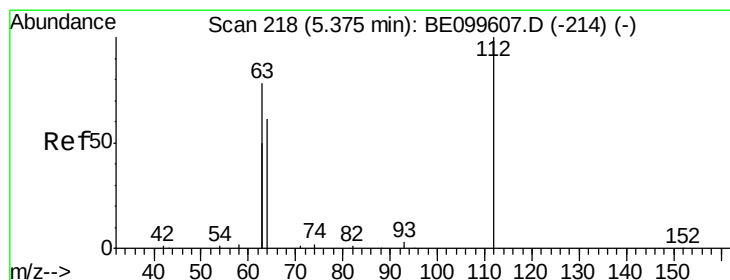
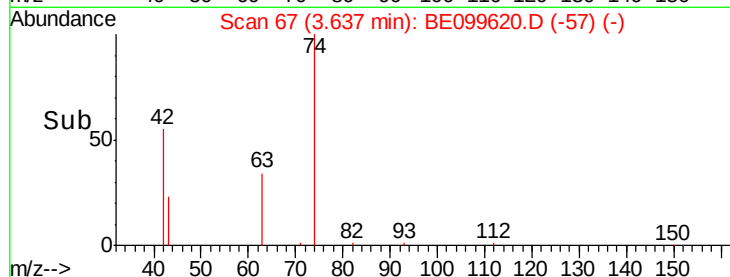
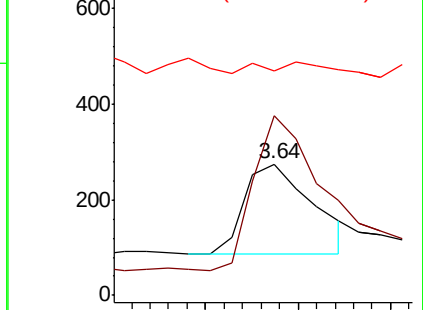
42 100

74 164.5 134.7 202.1

44 11.9 12.5 18.7#



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: 0.347 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

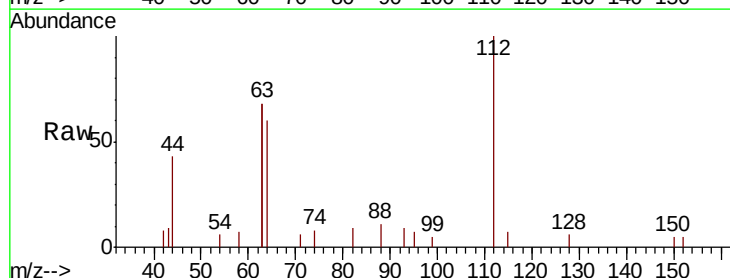
Tgt Ion: 112 Resp: 1786

Ion Ratio Lower Upper

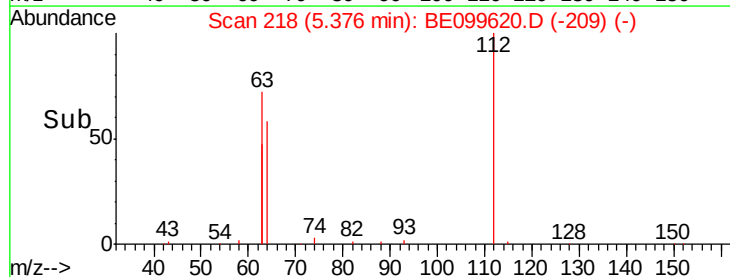
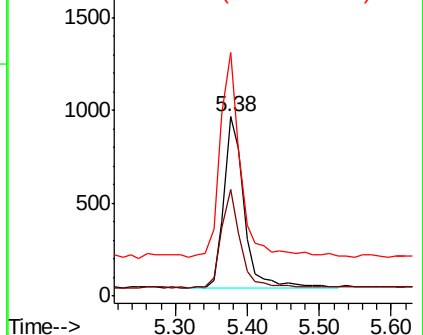
112 100

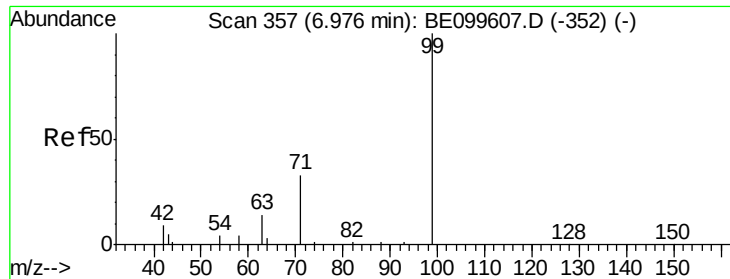
64 54.5 43.7 65.5

63 120.1 94.0 141.0



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: 0.355 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

Instrument :

BNA\_E

ClientSampled :

SSTDCCC0.4

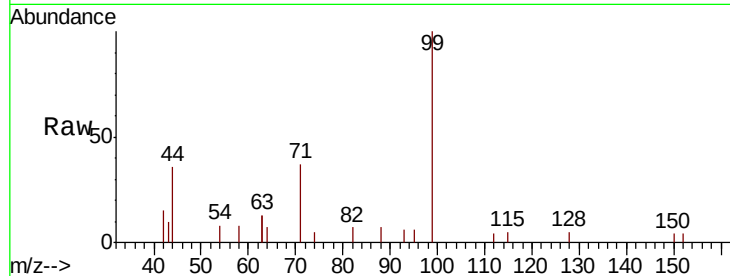
Tgt Ion: 99 Resp: 2315

Ion Ratio Lower Upper

99 100

42 14.4 14.3 21.5

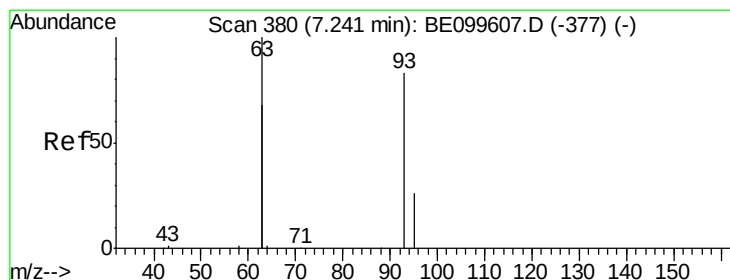
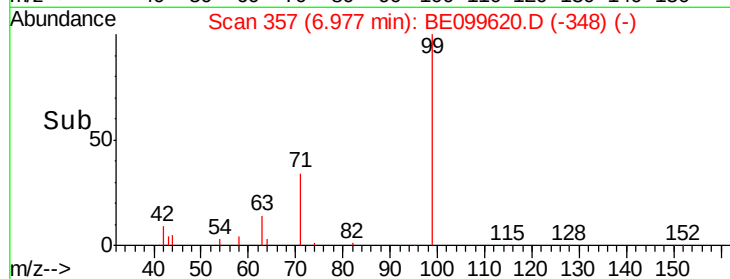
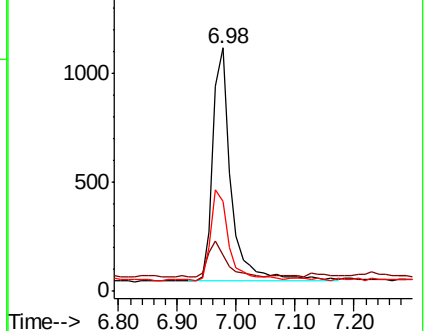
71 38.1 33.1 49.7



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: 0.365 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

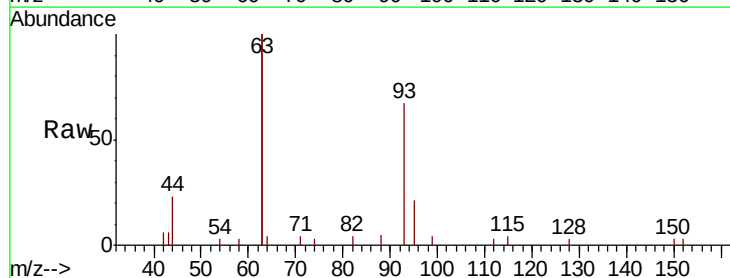
Tgt Ion: 93 Resp: 2003

Ion Ratio Lower Upper

93 100

63 260.7 201.0 301.4

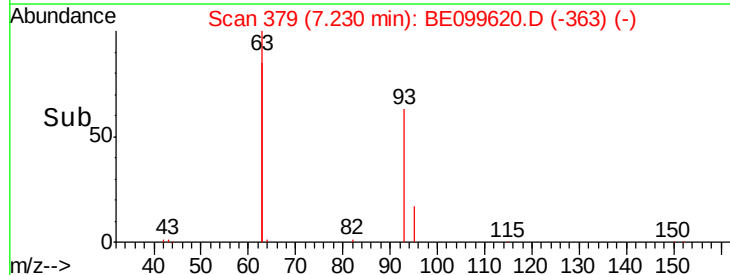
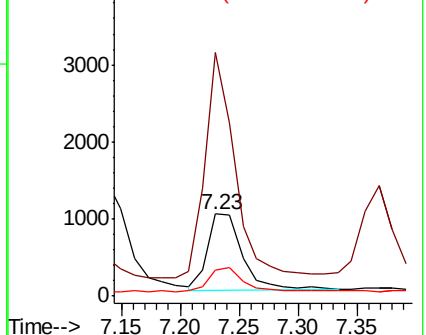
95 32.0 25.0 37.4

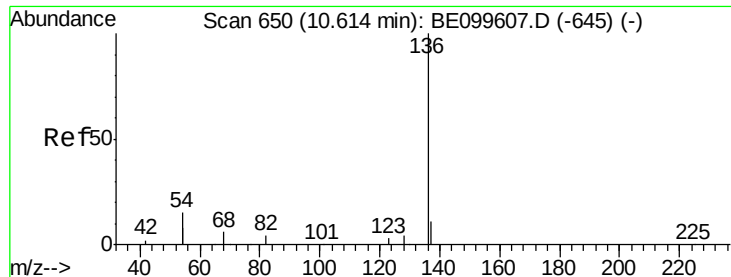


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 136 Resp: 6436

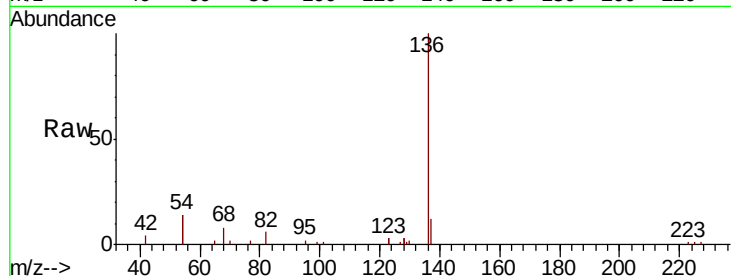
Ion Ratio Lower Upper

136 100

137 12.1 9.7 14.5

54 27.9 23.8 35.8

68 7.6 6.2 9.2

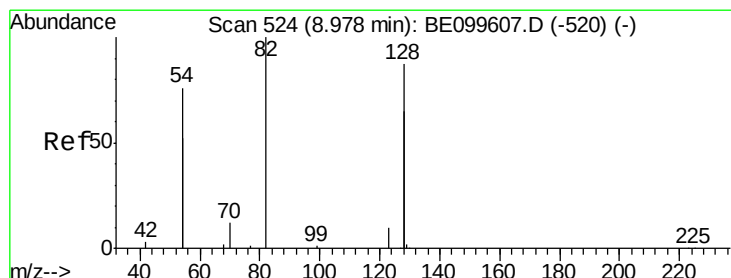
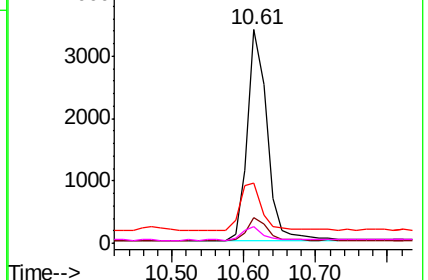
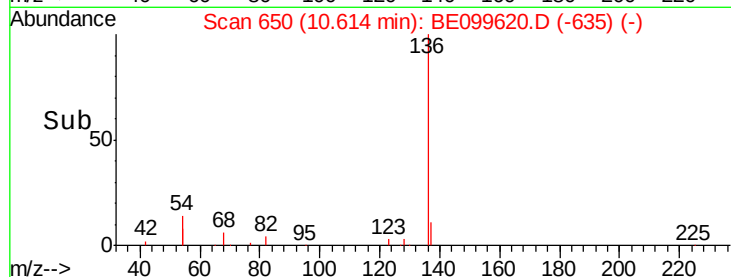


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.337 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

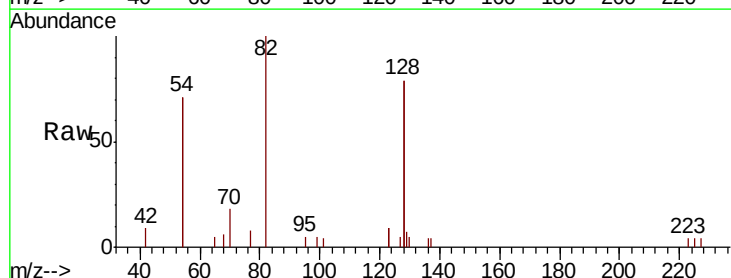
Tgt Ion: 82 Resp: 2100

Ion Ratio Lower Upper

82 100

128 158.3 131.4 197.2

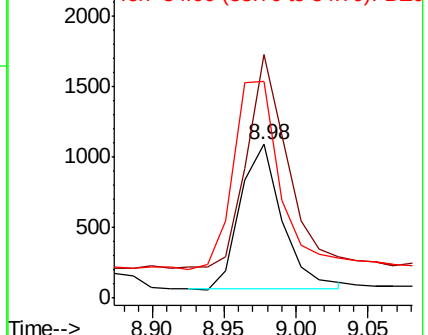
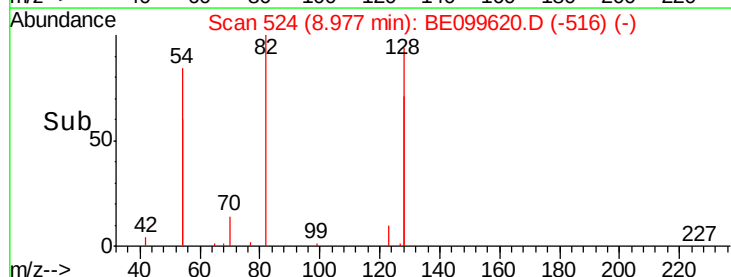
54 141.3 113.9 170.9

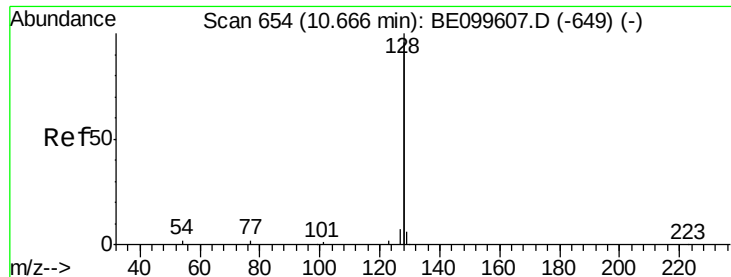


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.371 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

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BNA\_E

ClientSampleId :

SSTDCCC0.4

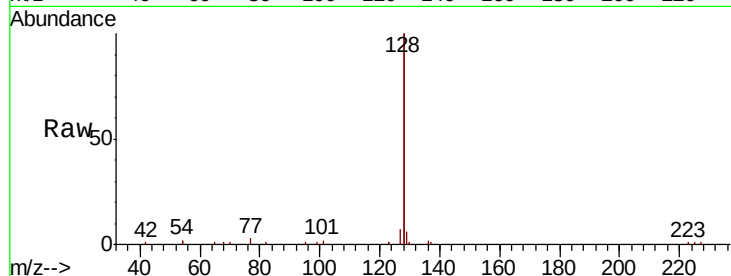
Tgt Ion:128 Resp: 25405

Ion Ratio Lower Upper

128 100

129 3.1 2.6 4.0

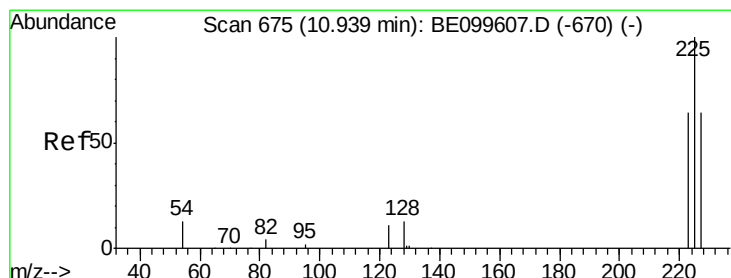
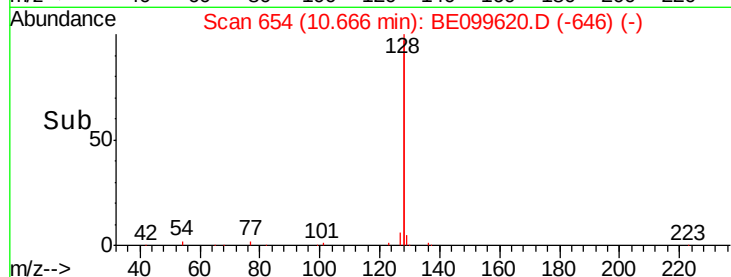
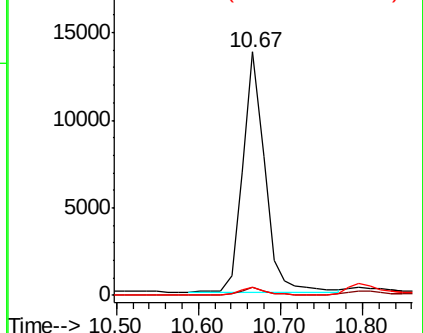
127 3.4 3.0 4.6



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: 0.376 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

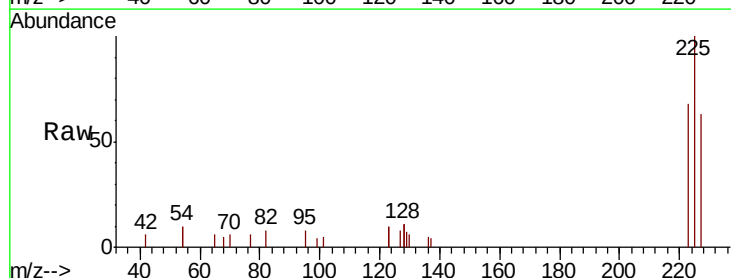
Tgt Ion:225 Resp: 1885

Ion Ratio Lower Upper

225 100

223 63.2 49.8 74.8

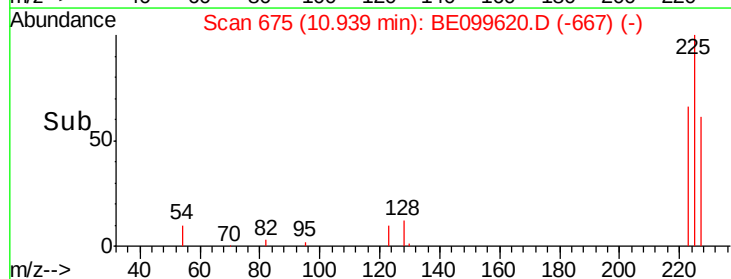
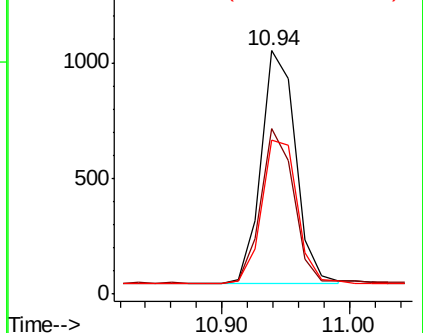
227 64.1 51.2 76.8

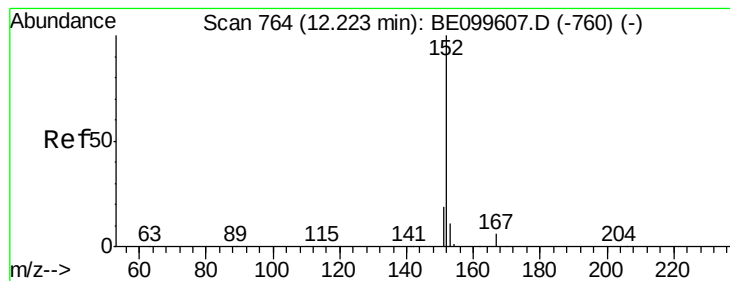


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.367 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

Instrument :

BNA\_E

ClientSampleId :

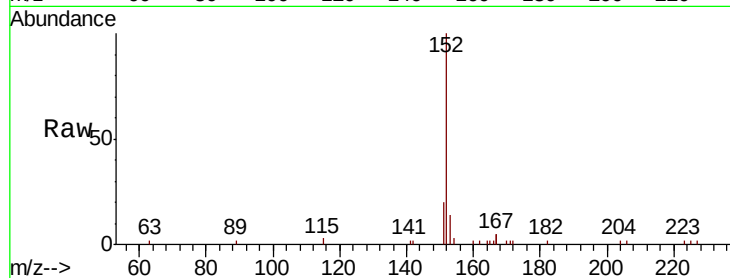
SSTDCCC0.4

Tgt Ion:152 Resp: 3973

Ion Ratio Lower Upper

152 100

151 20.4 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2500

2000

1500

1000

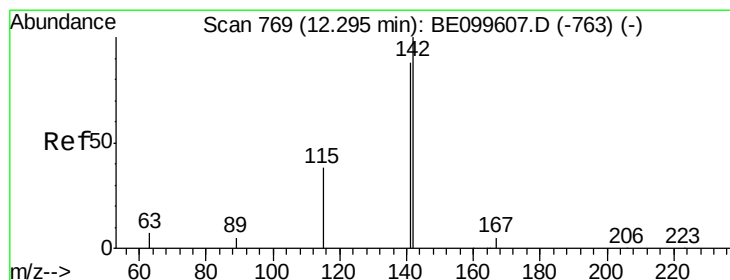
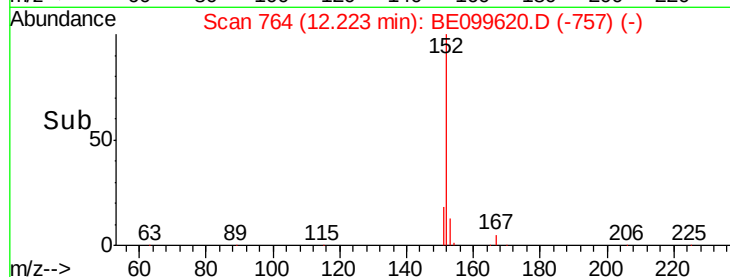
500

0

12.20

12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.368 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

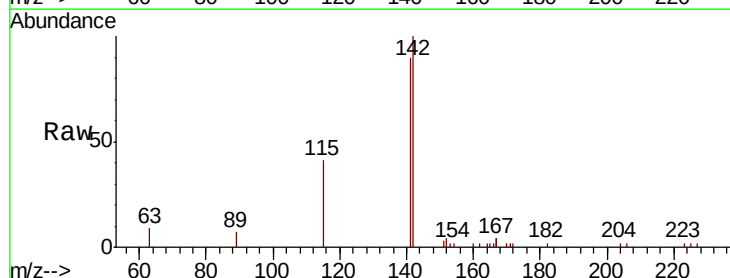
Tgt Ion:142 Resp: 4158

Ion Ratio Lower Upper

142 100

141 90.0 70.4 105.6

115 40.9 32.2 48.4



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

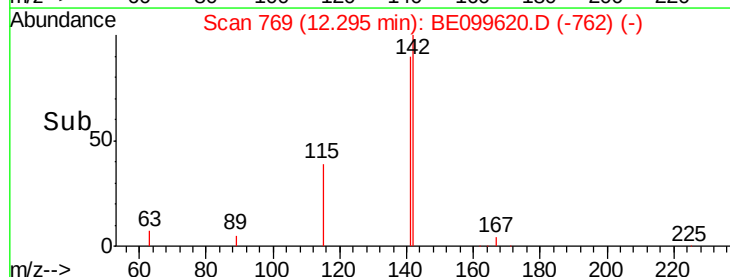
0

12.20

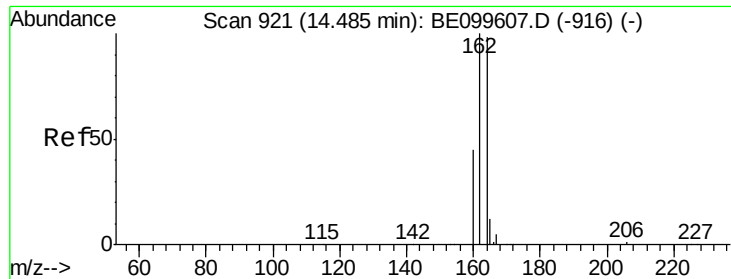
12.30

12.40

Time-->



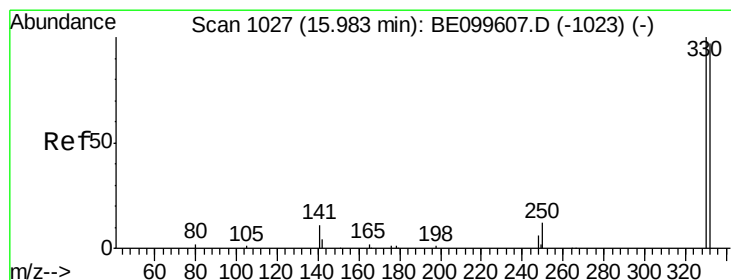
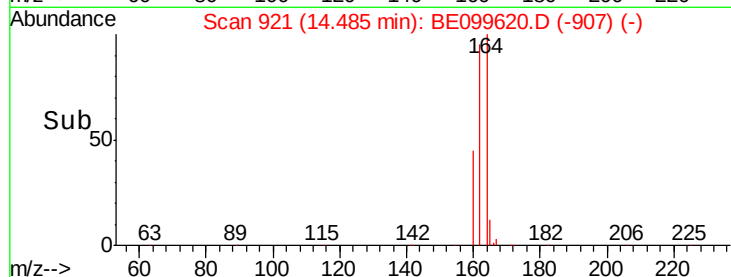
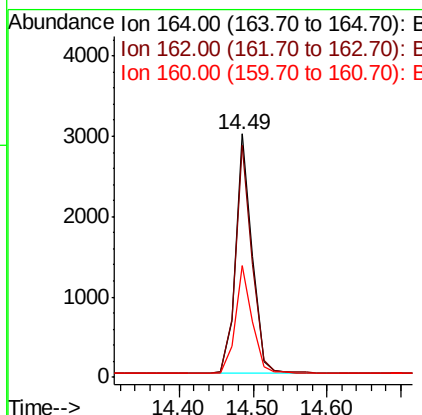
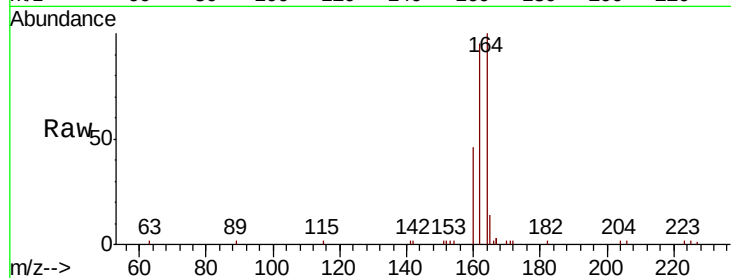




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.49 min Scan# 921  
 Delta R.T. 0.00 min  
 Lab File: BE099620.D  
 Acq: 16 May 2019 12:37

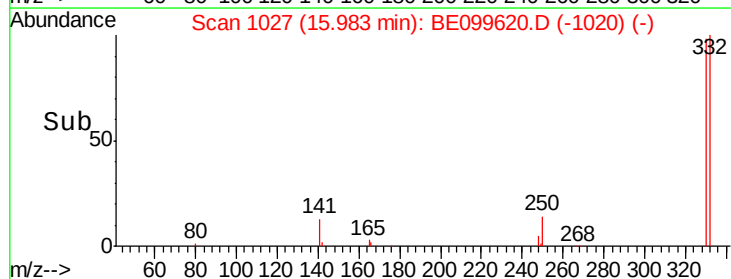
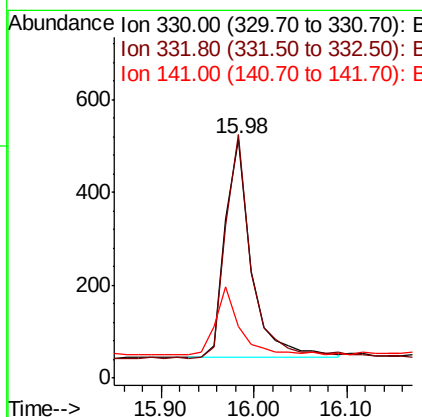
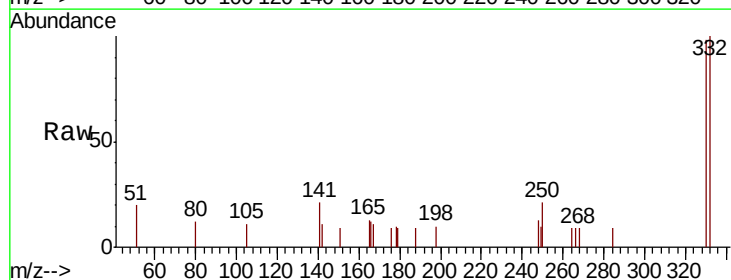
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

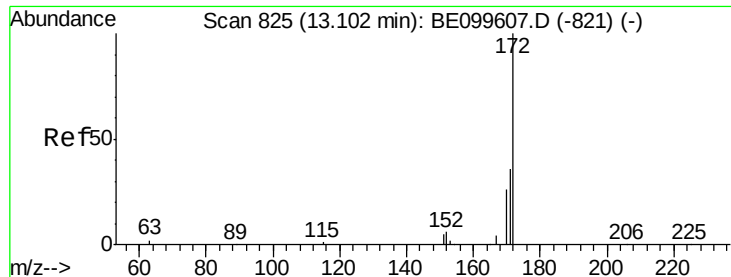
Tgt Ion:164 Resp: 4631  
 Ion Ratio Lower Upper  
 164 100  
 162 95.2 81.4 122.0  
 160 45.8 37.4 56.2



#14  
 2,4,6-Tribromophenol  
 Concen: 0.293 ng  
 RT: 15.98 min Scan# 1027  
 Delta R.T. -0.00 min  
 Lab File: BE099620.D  
 Acq: 16 May 2019 12:37

Tgt Ion:330 Resp: 929  
 Ion Ratio Lower Upper  
 330 100  
 332 102.0 73.8 110.8  
 141 29.4 21.0 31.6

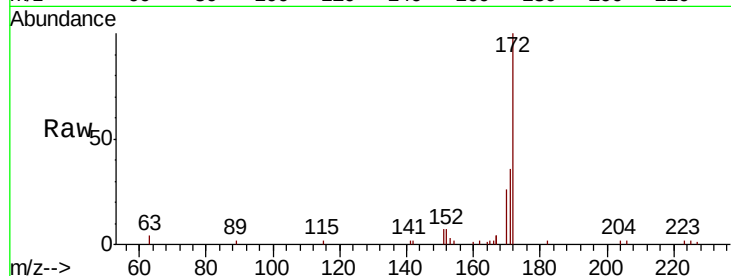




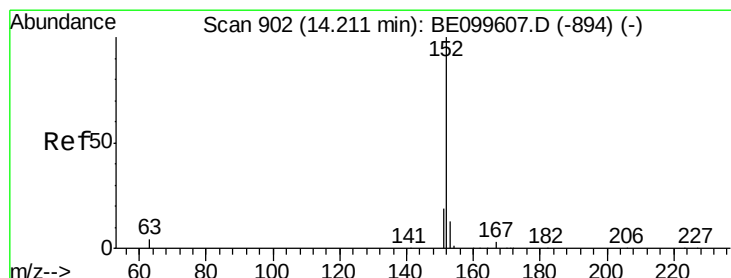
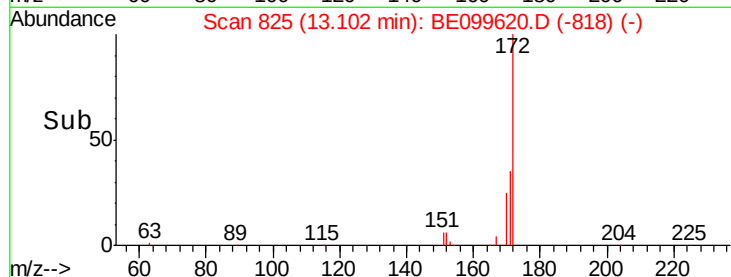
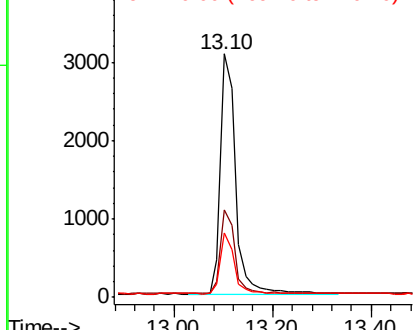
#15  
2-Fluorobiphenyl  
Concen: 0.362 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BE099620.D  
Acq: 16 May 2019 12:37

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:172 Resp: 6459  
Ion Ratio Lower Upper  
172 100  
171 35.7 29.4 44.2  
170 26.3 21.5 32.3

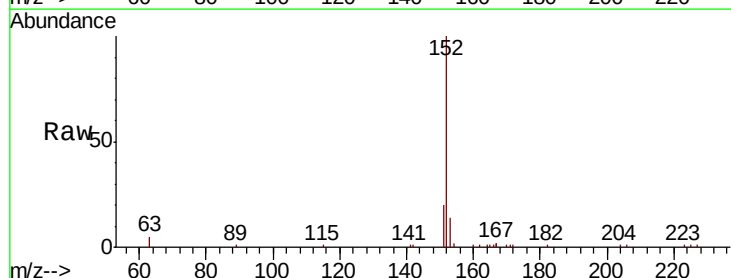


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

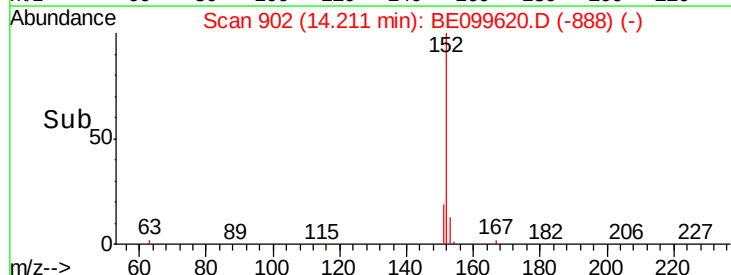
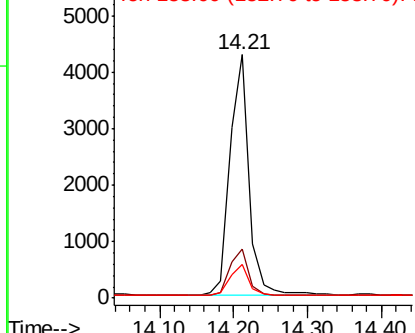


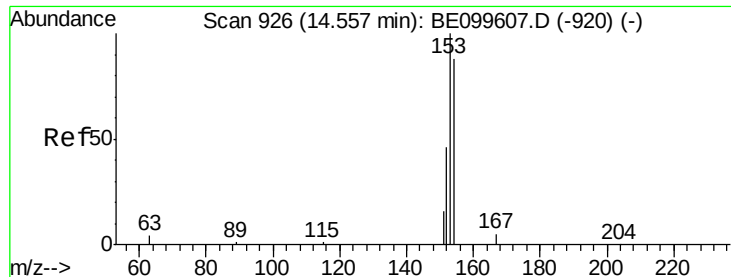
#16  
Acenaphthylene  
Concen: 0.351 ng  
RT: 14.21 min Scan# 902  
Delta R.T. 0.00 min  
Lab File: BE099620.D  
Acq: 16 May 2019 12:37

Tgt Ion:152 Resp: 7674  
Ion Ratio Lower Upper  
152 100  
151 19.4 15.6 23.4  
153 12.8 10.4 15.6



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: 0.354 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

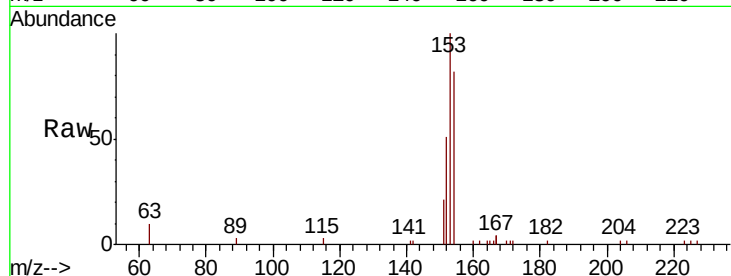
Tgt Ion:154 Resp: 4367

Ion Ratio Lower Upper

154 100

153 117.8 94.1 141.1

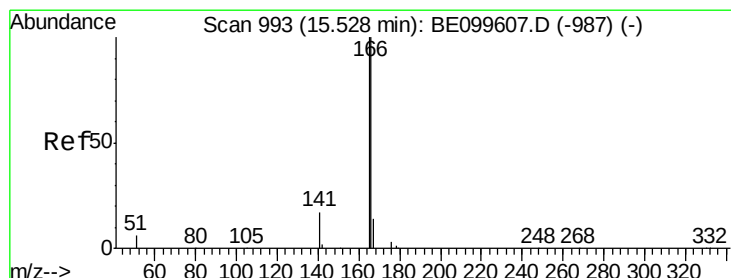
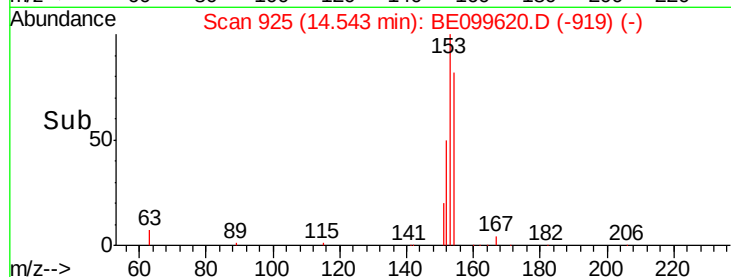
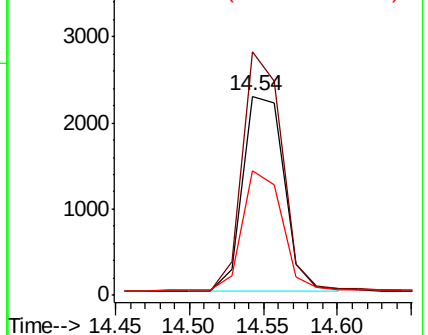
152 59.1 46.5 69.7



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: 0.356 ng

RT: 15.53 min Scan# 993

Delta R.T. -0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

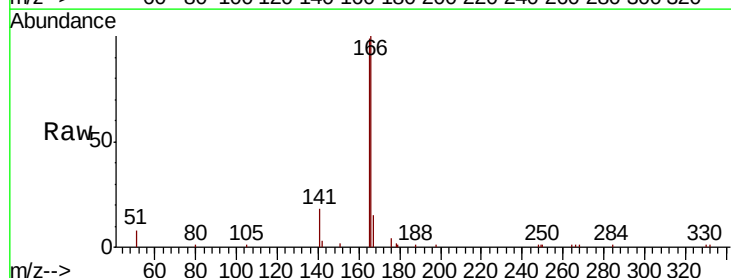
Tgt Ion:166 Resp: 6301

Ion Ratio Lower Upper

166 100

165 99.4 79.8 119.8

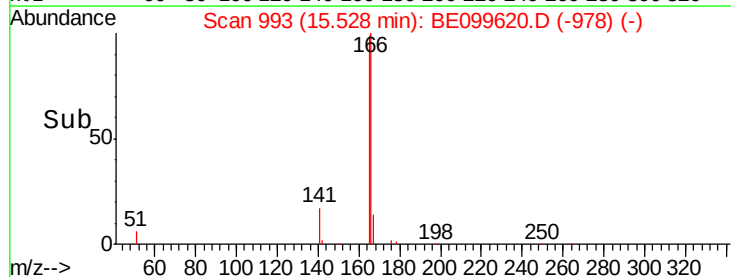
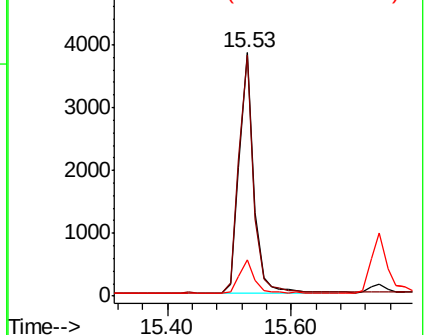
167 14.0 11.2 16.8

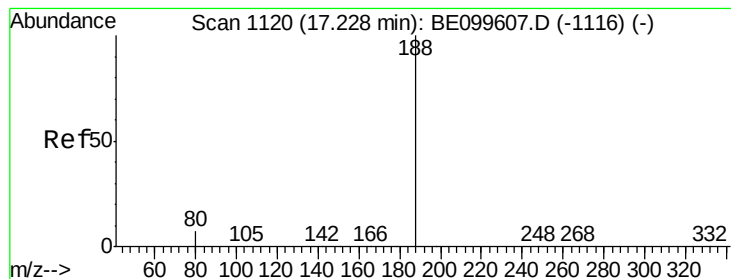


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

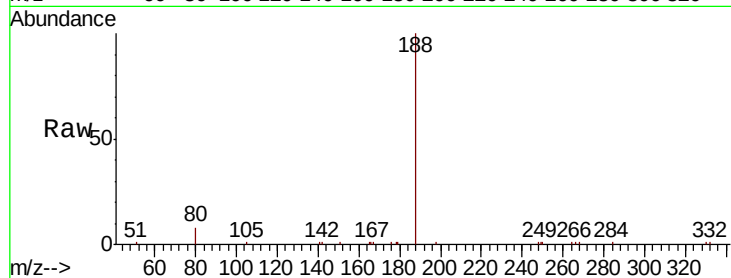
Tgt Ion:188 Resp: 13337

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

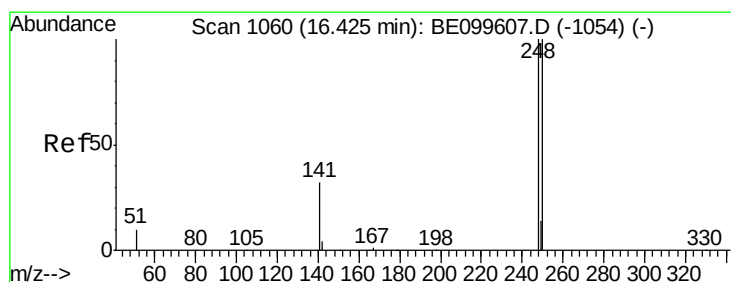
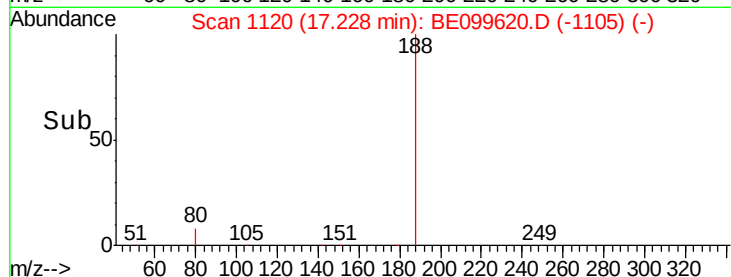
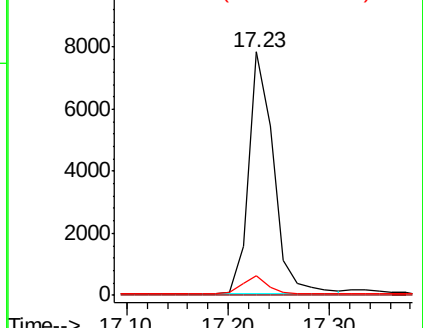
80 8.3 6.4 9.6



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: 0.360 ng

RT: 16.42 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

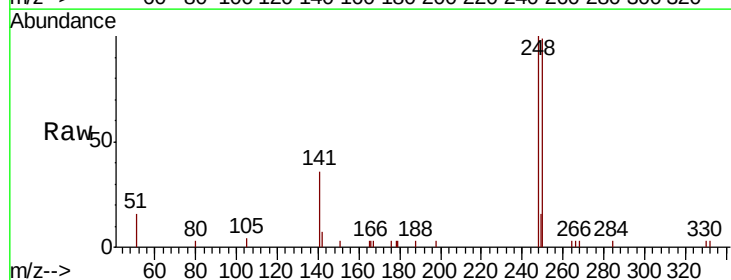
Tgt Ion:248 Resp: 2769

Ion Ratio Lower Upper

248 100

250 98.9 80.4 120.6

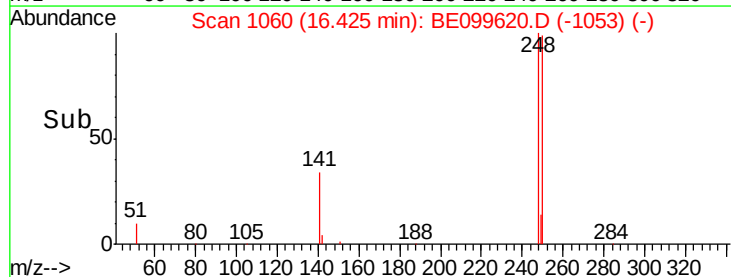
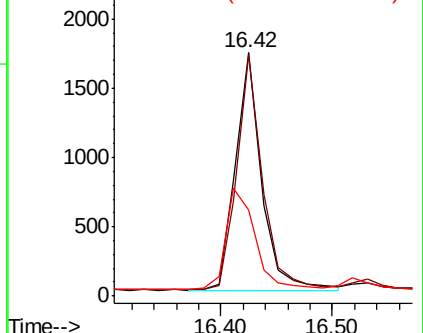
141 35.6 27.8 41.8

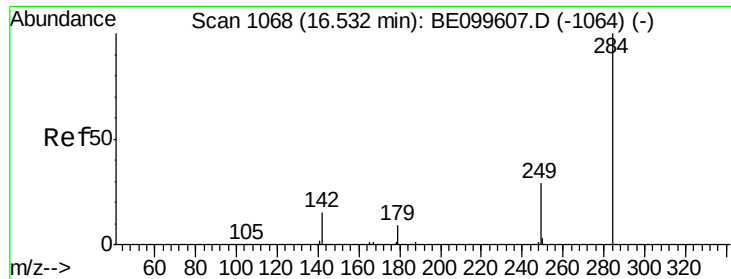


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

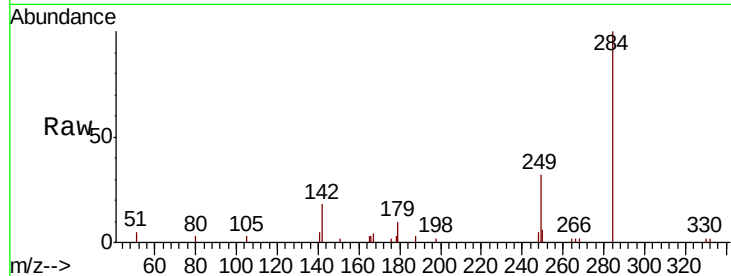




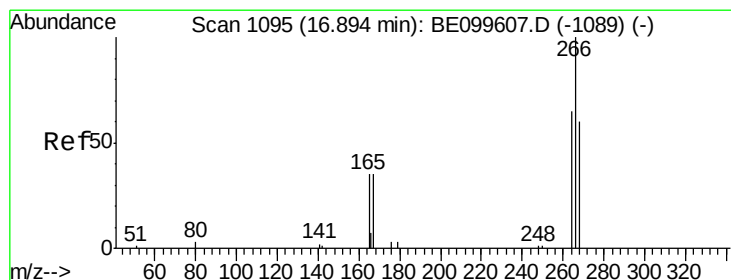
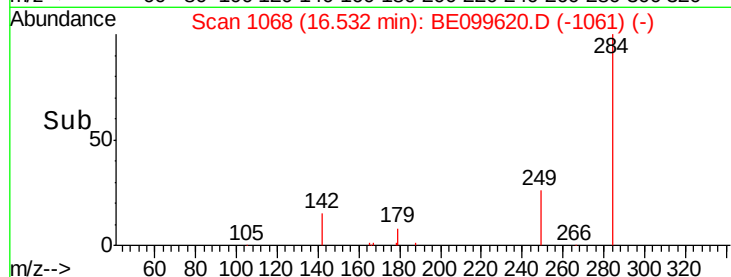
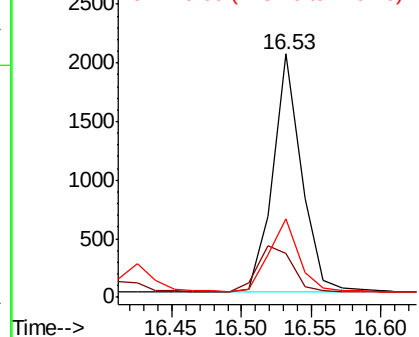
#21  
Hexachlorobenzene  
Concen: 0.386 ng  
RT: 16.53 min Scan# 1068  
Delta R.T. -0.00 min  
Lab File: BE099620.D  
Acq: 16 May 2019 12:37

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:284 Resp: 2915  
Ion Ratio Lower Upper  
284 100  
142 23.3 19.4 29.2  
249 31.0 24.6 37.0

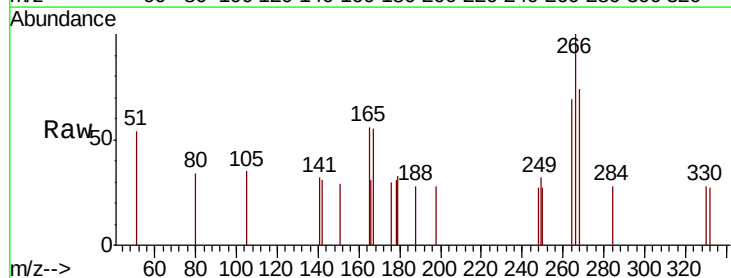


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

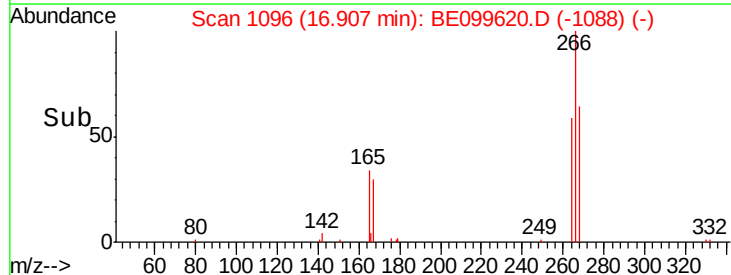
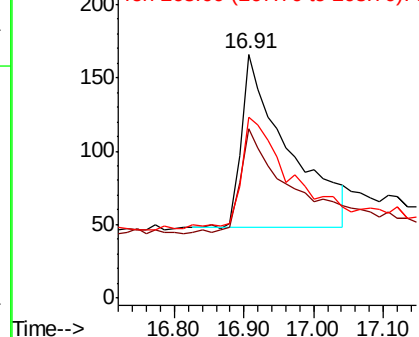


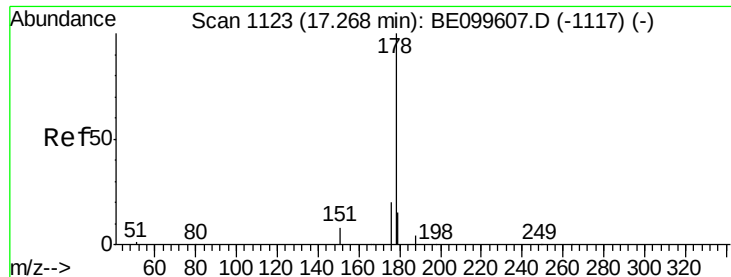
#22  
Pentachlorophenol  
Concen: 0.399 ng  
RT: 16.91 min Scan# 1096  
Delta R.T. 0.01 min  
Lab File: BE099620.D  
Acq: 16 May 2019 12:37

Tgt Ion:266 Resp: 545  
Ion Ratio Lower Upper  
266 100  
264 69.3 57.7 86.5  
268 74.1 55.8 83.8



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: 0.356 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

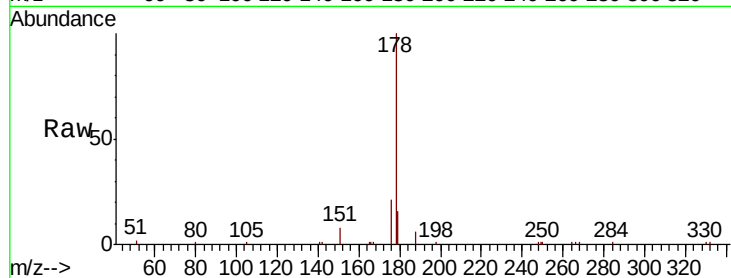
Tgt Ion:178 Resp: 11774

Ion Ratio Lower Upper

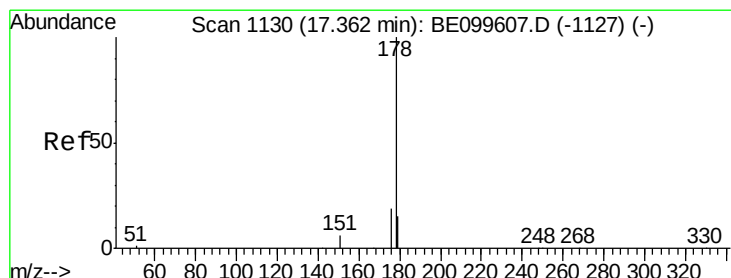
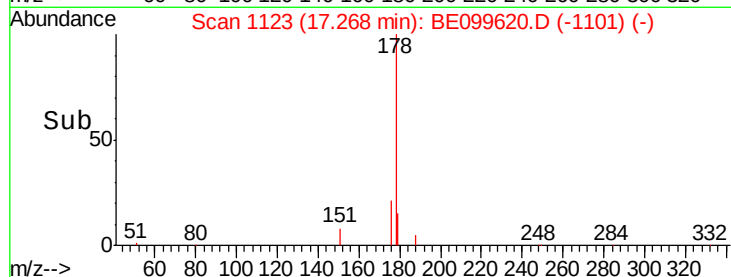
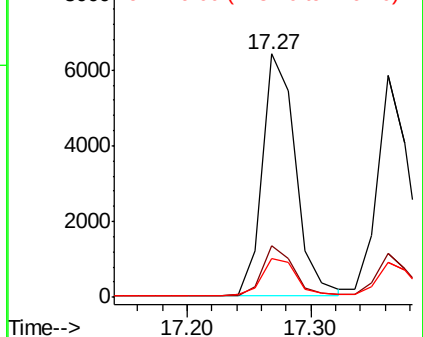
178 100

176 19.4 15.7 23.5

179 16.0 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.333 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

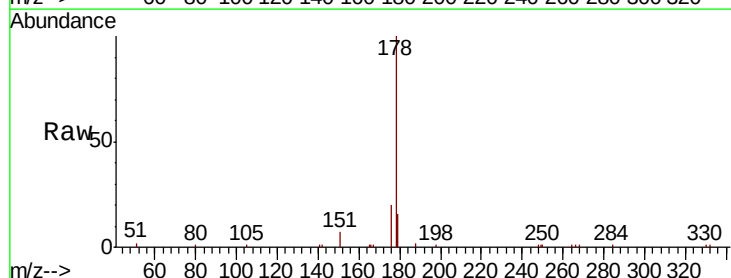
Tgt Ion:178 Resp: 10170

Ion Ratio Lower Upper

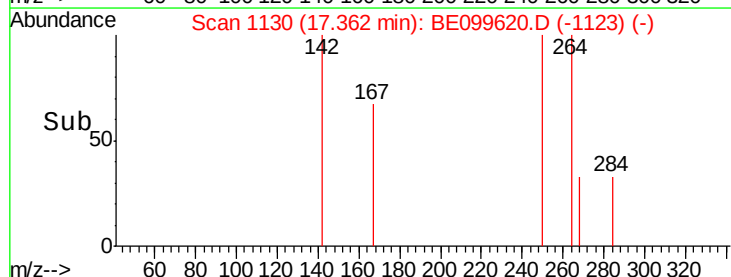
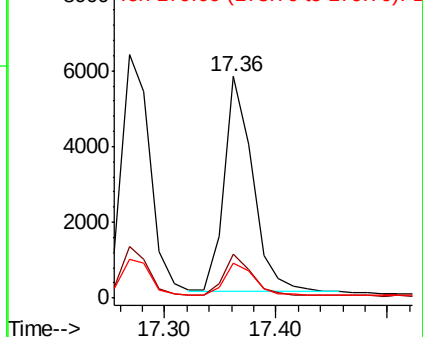
178 100

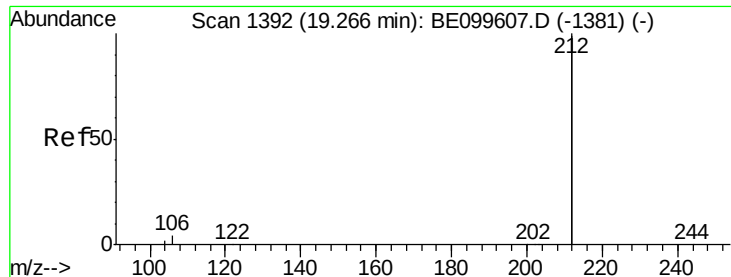
176 18.6 15.2 22.8

179 15.6 12.1 18.1



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





#25

Fluoranthene-d10

Concen: 0.368 ng

RT: 19.27 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

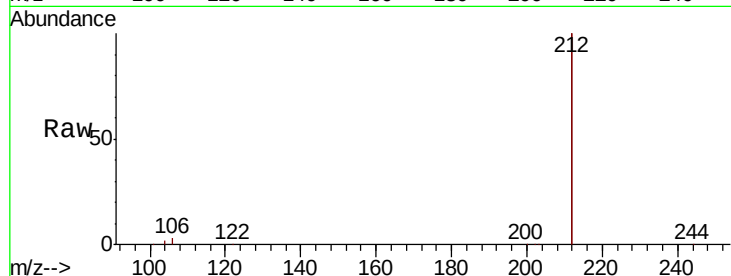
Tgt Ion:212 Resp: 65238

Ion Ratio Lower Upper

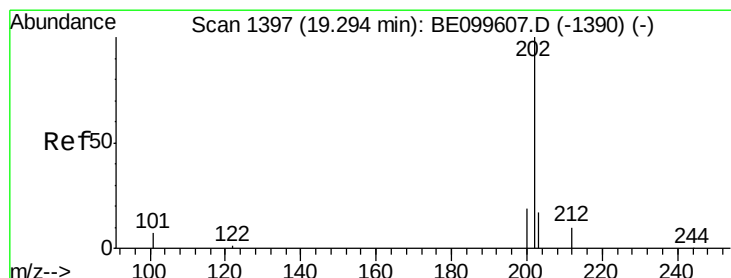
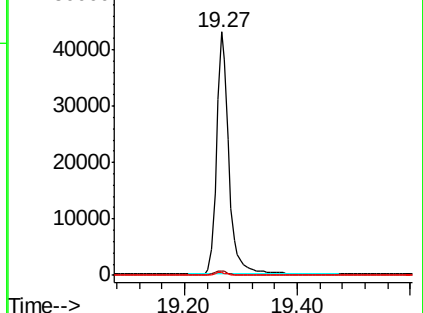
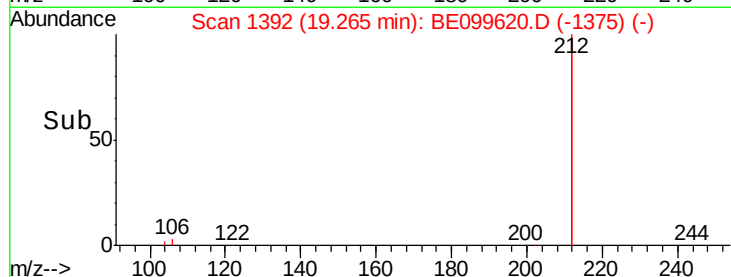
212 100

106 1.8 1.4 2.2

104 1.0 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: 0.377 ng

RT: 19.30 min Scan# 1398

Delta R.T. 0.01 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

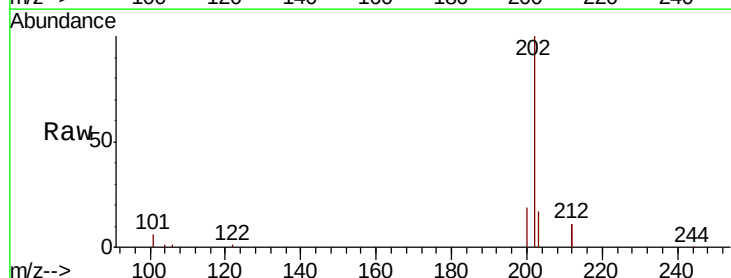
Tgt Ion:202 Resp: 18866

Ion Ratio Lower Upper

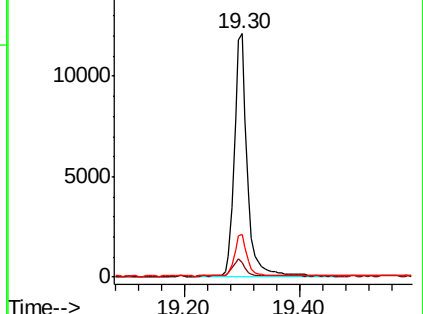
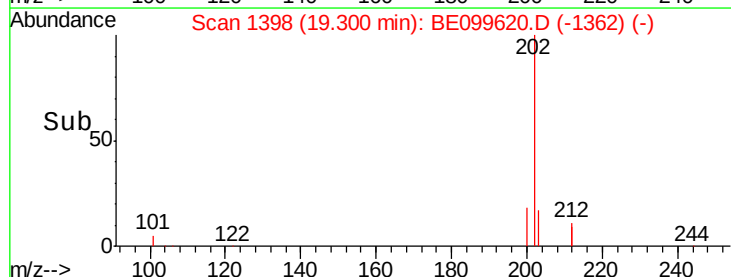
202 100

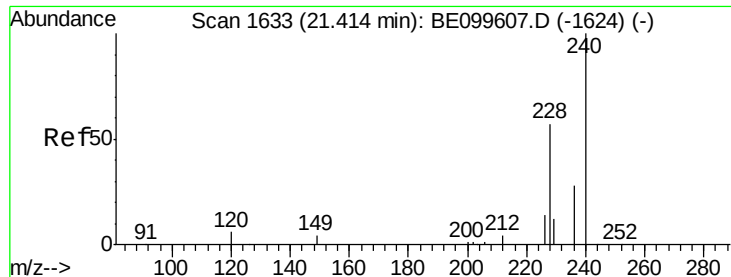
101 6.7 5.0 7.6

203 16.9 13.7 20.5



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

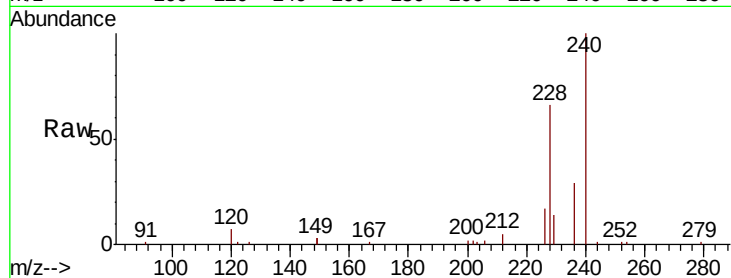




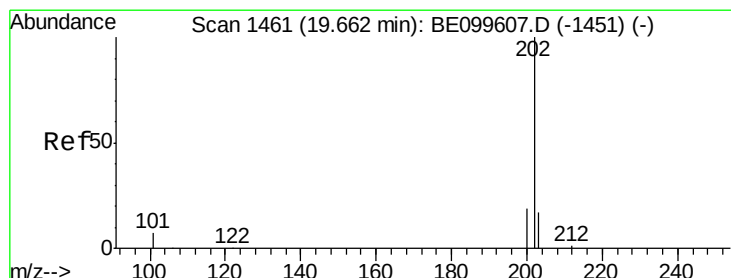
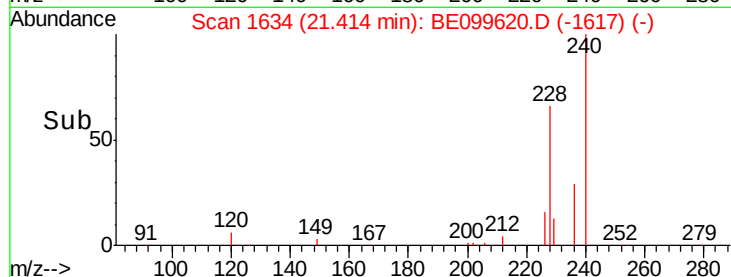
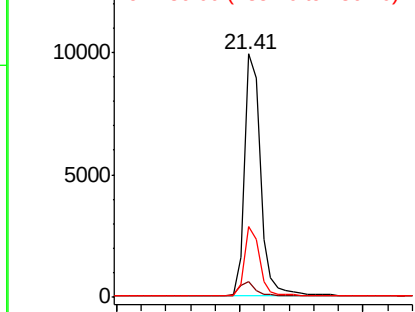
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.41 min Scan# 1634  
 Delta R.T. 0.00 min  
 Lab File: BE099620.D  
 Acq: 16 May 2019 12:37

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Tgt Ion:240 Resp: 17912  
 Ion Ratio Lower Upper  
 240 100  
 120 6.5 5.7 8.5  
 236 28.9 22.8 34.2

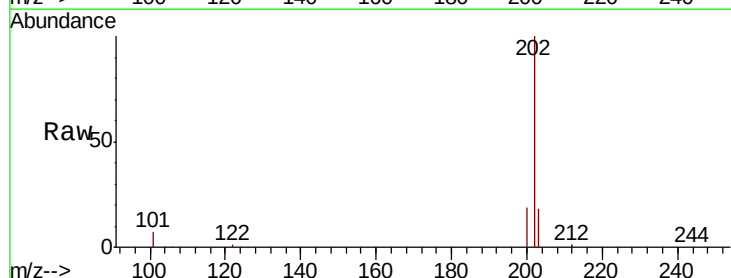


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

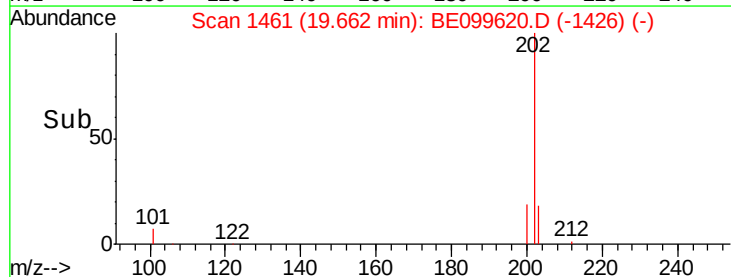
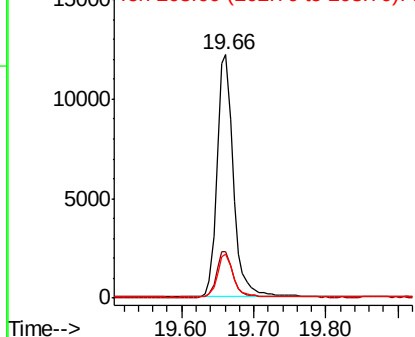


#28  
 Pyrene  
 Concen: 0.420 ng  
 RT: 19.66 min Scan# 1461  
 Delta R.T. -0.00 min  
 Lab File: BE099620.D  
 Acq: 16 May 2019 12:37

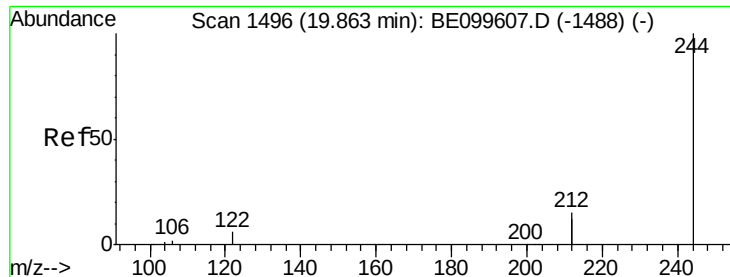
Tgt Ion:202 Resp: 19161  
 Ion Ratio Lower Upper  
 202 100  
 200 19.0 15.8 23.6  
 203 17.4 14.1 21.1



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: 0.393 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

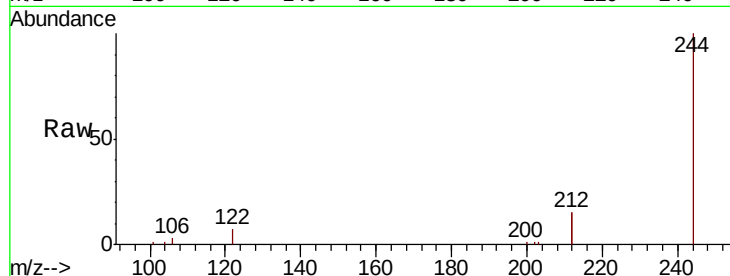
Tgt Ion:244 Resp: 12666

Ion Ratio Lower Upper

244 100

212 30.6 23.8 35.6

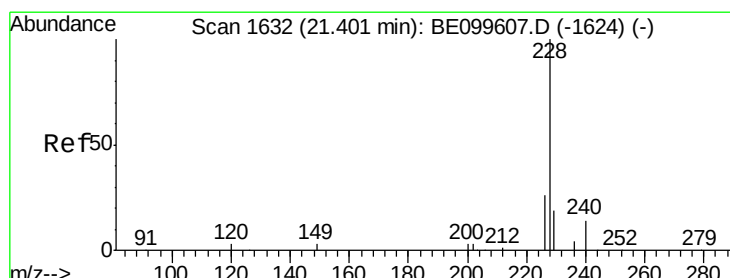
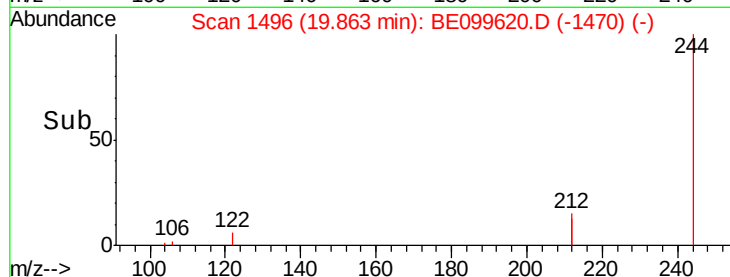
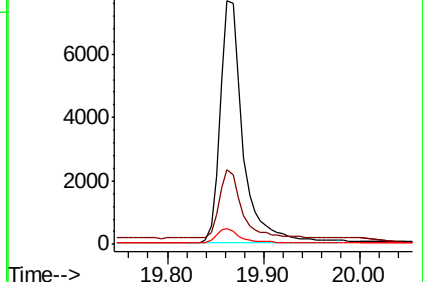
122 6.7 5.0 7.6



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: 0.377 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

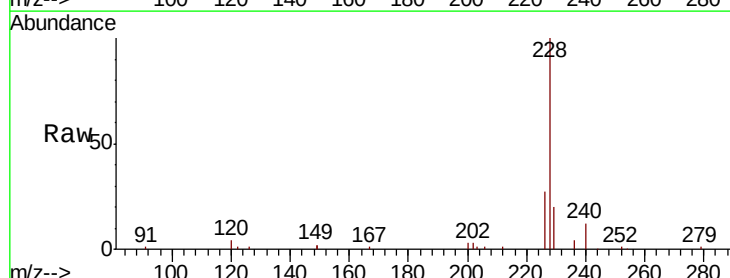
Tgt Ion:228 Resp: 20392

Ion Ratio Lower Upper

228 100

226 26.8 21.4 32.2

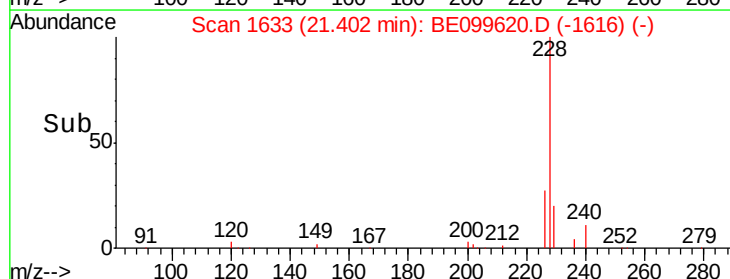
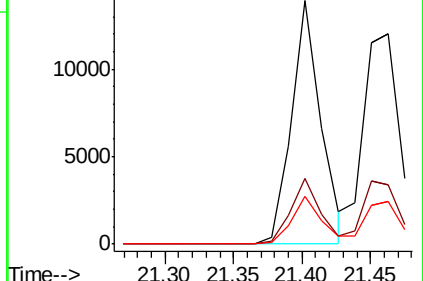
229 19.9 15.8 23.8

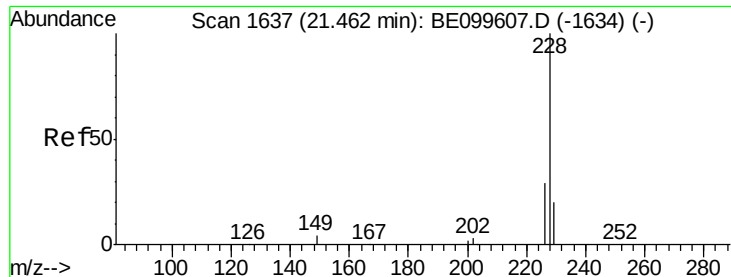


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.399 ng

RT: 21.46 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

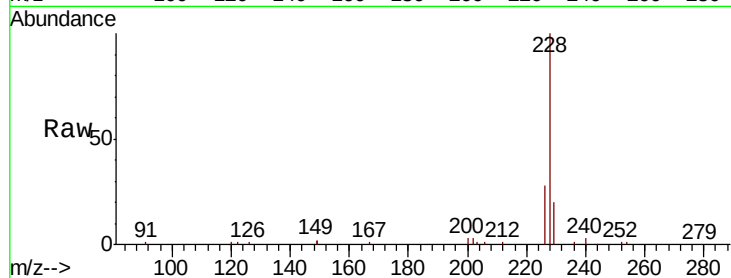
Tgt Ion:228 Resp: 22253

Ion Ratio Lower Upper

228 100

226 28.1 23.0 34.4

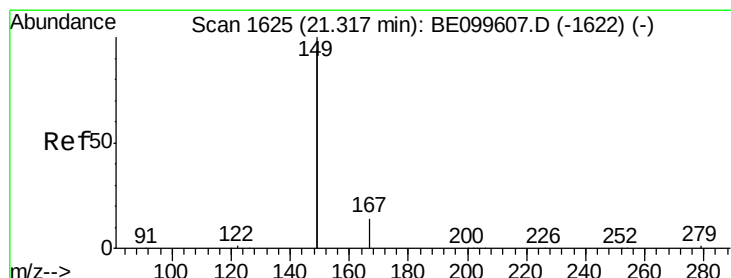
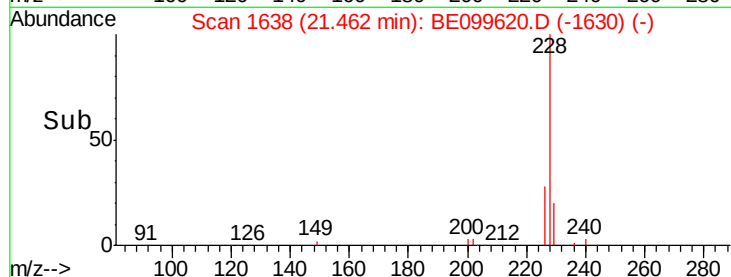
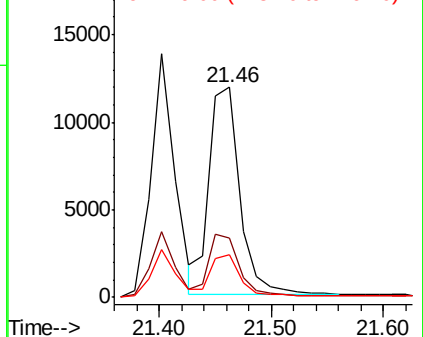
229 20.3 16.4 24.6



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: 0.331 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

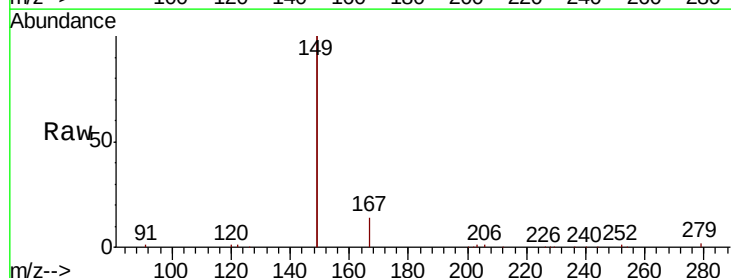
Tgt Ion:149 Resp: 27653

Ion Ratio Lower Upper

149 100

167 7.3 6.0 9.0

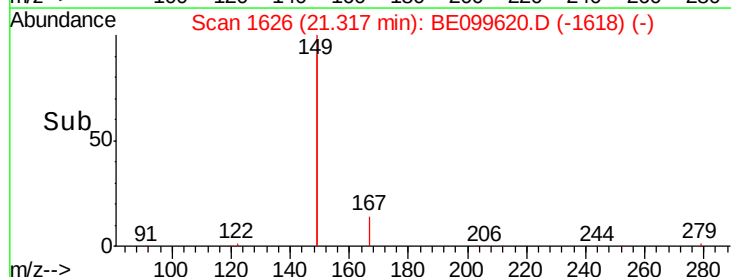
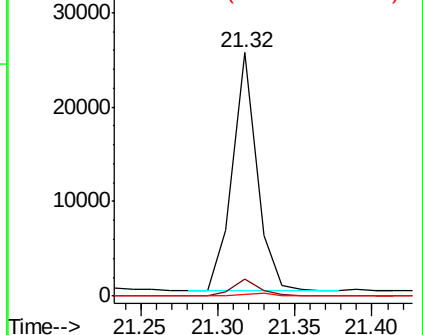
279 1.5 1.1 1.7

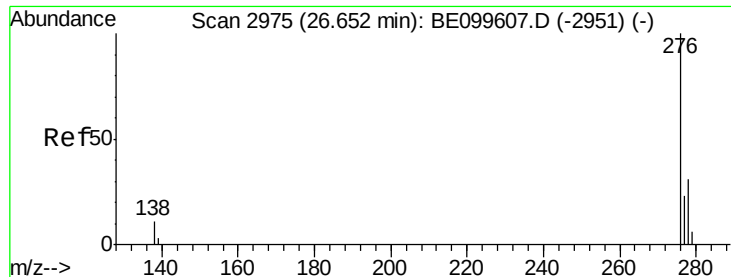


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.391 ng

RT: 26.65 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

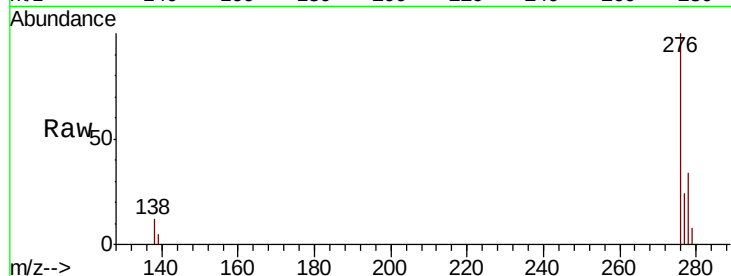
Tgt Ion:276 Resp: 27124

Ion Ratio Lower Upper

276 100

138 12.9 10.0 15.0

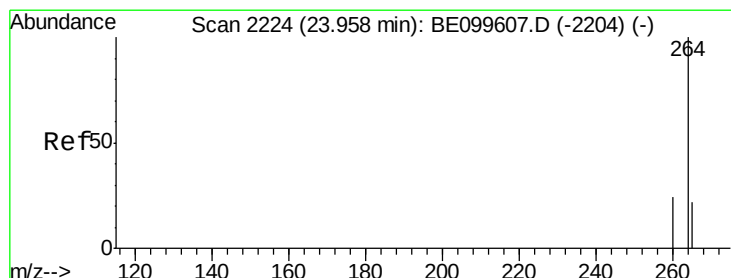
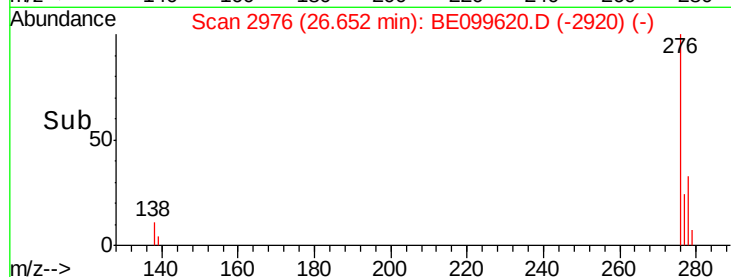
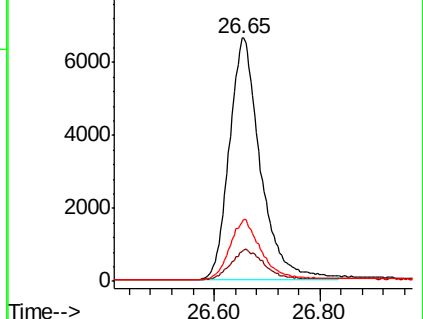
277 24.5 19.1 28.7



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: 23.96 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

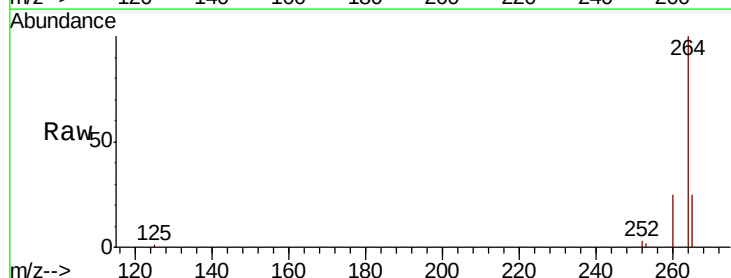
Tgt Ion:264 Resp: 21354

Ion Ratio Lower Upper

264 100

260 25.1 19.7 29.5

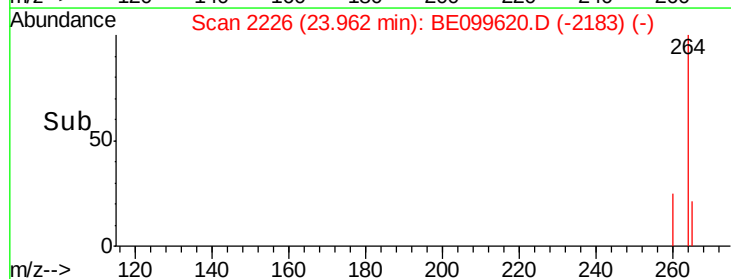
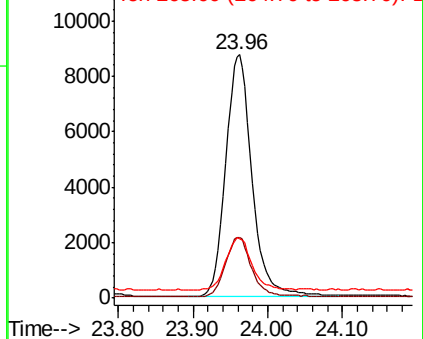
265 24.6 21.2 31.8

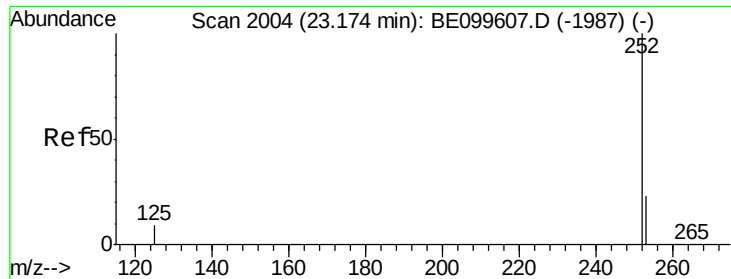


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.360 ng

RT: 23.17 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

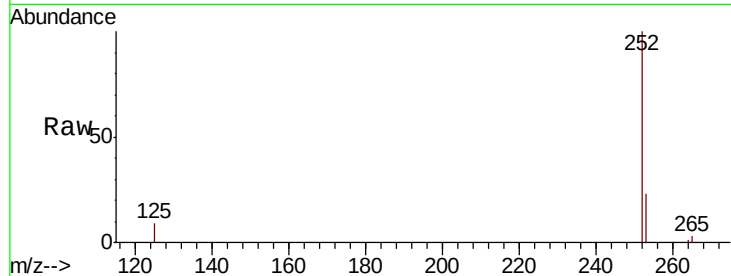
Tgt Ion:252 Resp: 21521

Ion Ratio Lower Upper

252 100

253 22.9 19.1 28.7

125 9.5 7.8 11.8

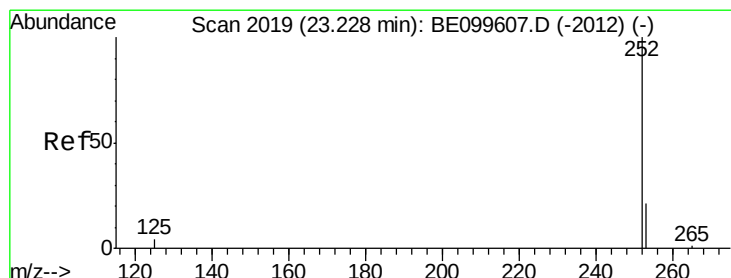
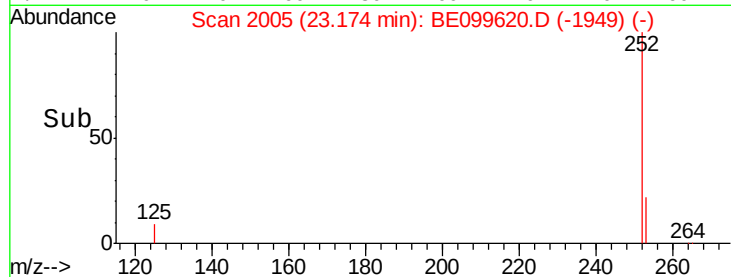
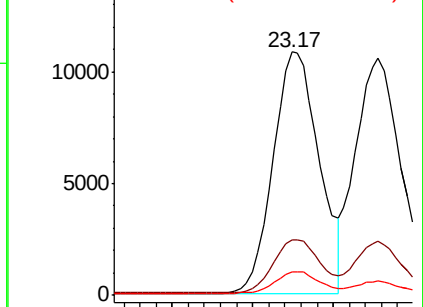


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.368 ng

RT: 23.23 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

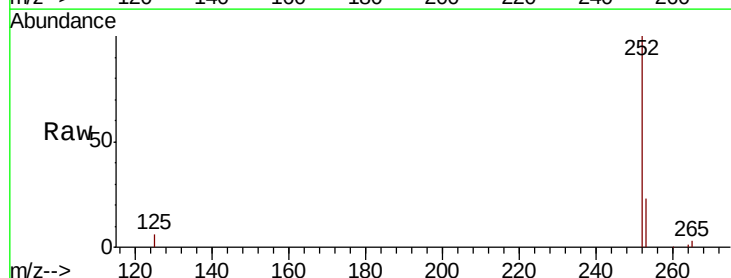
Tgt Ion:252 Resp: 21697

Ion Ratio Lower Upper

252 100

253 22.7 18.6 28.0

125 5.9 5.2 7.8

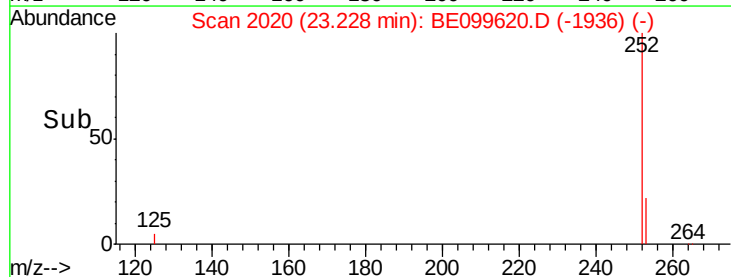
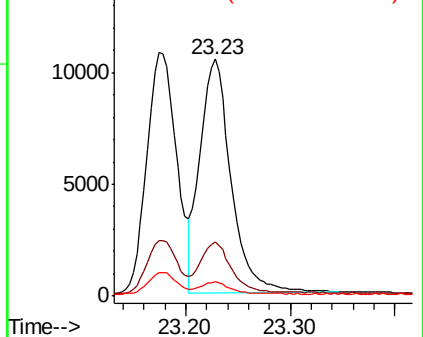


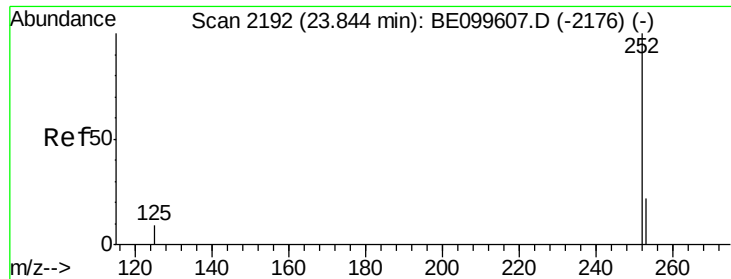
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.365 ng

RT: 23.84 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

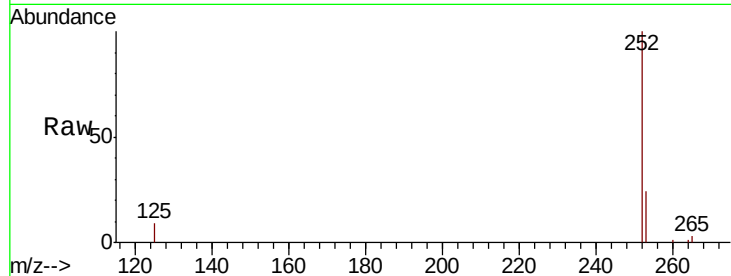
Tgt Ion: 252 Resp: 21120

Ion Ratio Lower Upper

252 100

253 24.0 19.0 28.6

125 9.3 8.8 13.2

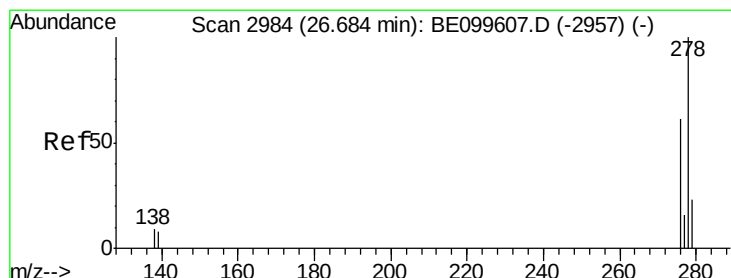
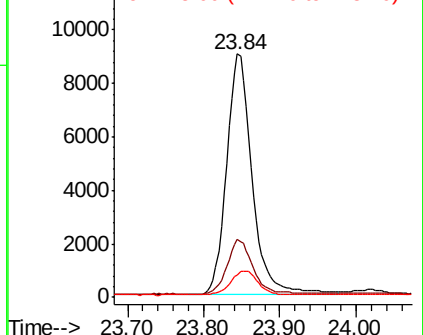
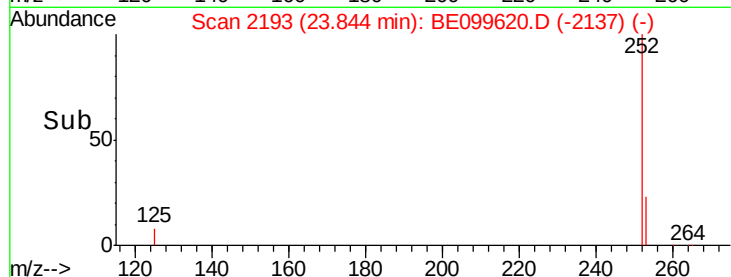


Abundance

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: 0.371 ng

RT: 26.68 min Scan# 2985

Delta R.T. 0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

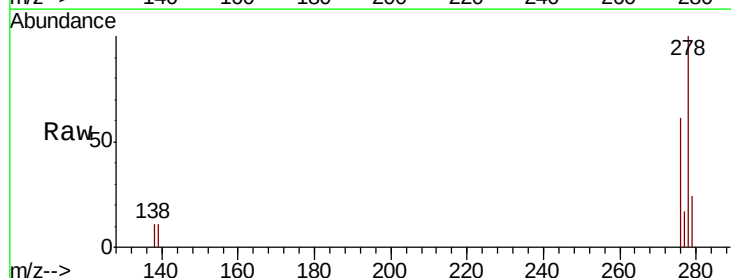
Tgt Ion: 278 Resp: 22228

Ion Ratio Lower Upper

278 100

139 11.0 7.9 11.9

279 23.9 19.5 29.3

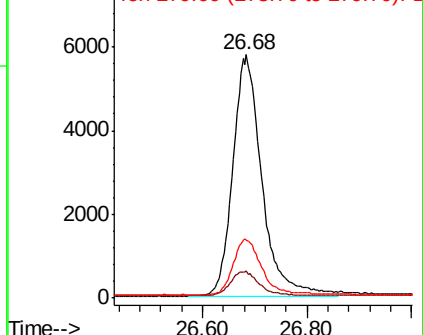
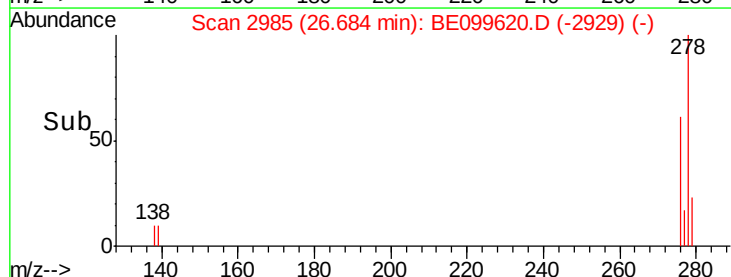


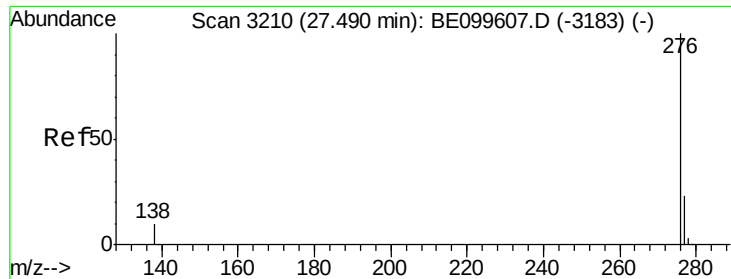
Abundance

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: 0.374 ng

RT: 27.49 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE099620.D

Acq: 16 May 2019 12:37

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

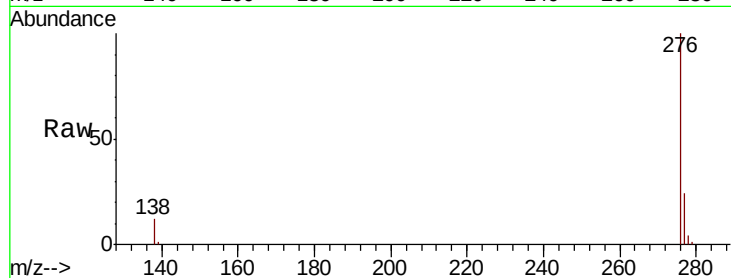
Tgt Ion: 276 Resp: 22563

Ion Ratio Lower Upper

276 100

277 23.8 19.3 28.9

138 11.6 9.1 13.7



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

