

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\  
 Data File : BE099492.D  
 Acq On : 2 May 2019 14:30  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: May 03 02:09:22 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  | 2662     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.60 | 136  | 9155     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.46 | 164  | 6916     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.19 | 188  | 21837    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 30458    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.87 | 264  | 35652    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| System Monitoring Compounds |       |     |        |      |    |       |
| 4) 2-Fluorophenol           | 5.39  | 112 | 3301   | 0.45 | ng | 0.00  |
| 5) Phenol-d6                | 6.96  | 99  | 4460   | 0.46 | ng | -0.01 |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 3947   | 0.46 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.19 | 152 | 6735   | 0.41 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.94 | 330 | 2374   | 0.54 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.07 | 172 | 10894  | 0.41 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.22 | 212 | 123681 | 0.42 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.82 | 244 | 26340  | 0.47 | ng | 0.00  |

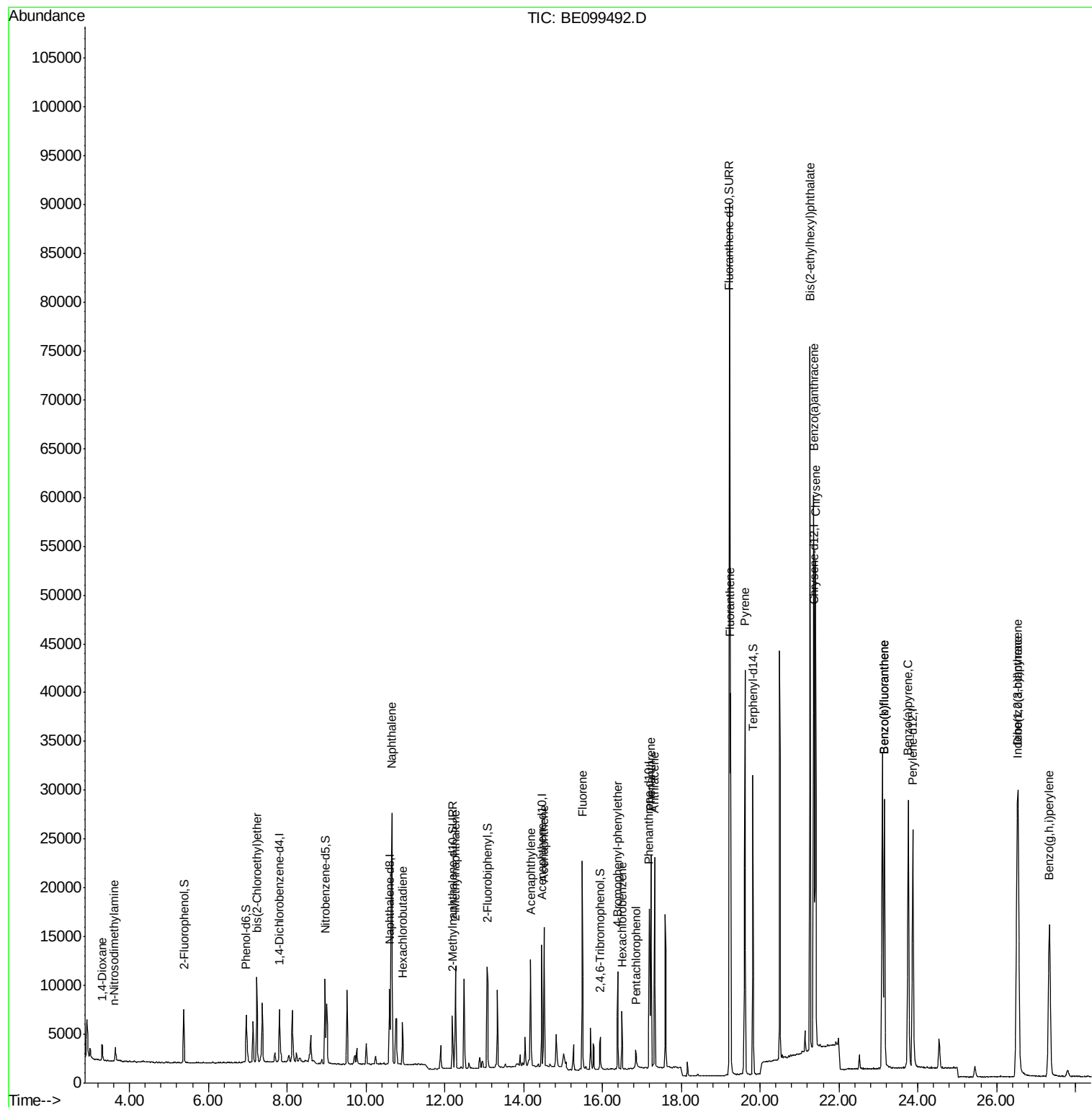
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.31  | 88  | 1423  | 0.389  | ng | 94   |
| 3) n-Nitrosodimethylamine      | 3.62  | 42  | 1076  | 0.487  | ng | # 95 |
| 6) bis(2-Chloroethyl)ether     | 7.23  | 93  | 3389  | 0.401  | ng | 96   |
| 9) Naphthalene                 | 10.65 | 128 | 41780 | 0.419  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.93 | 225 | 2927  | 0.422  | ng | 99   |
| 12) 2-Methylnaphthalene        | 12.27 | 142 | 7113  | 0.410  | ng | 96   |
| 16) Acenaphthylene             | 14.18 | 152 | 13649 | 0.403  | ng | 98   |
| 17) Acenaphthene               | 14.51 | 154 | 7795  | 0.403  | ng | 99   |
| 18) Fluorene                   | 15.49 | 166 | 11860 | 0.416  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.39 | 248 | 5097  | 0.401  | ng | 93   |
| 21) Hexachlorobenzene          | 16.49 | 284 | 4782  | 0.395  | ng | 100  |
| 22) Pentachlorophenol          | 16.84 | 266 | 1683  | 0.447  | ng | 99   |
| 23) Phenanthrene               | 17.23 | 178 | 22700 | 0.403  | ng | 100  |
| 24) Anthracene                 | 17.32 | 178 | 21814 | 0.406  | ng | 99   |
| 26) Fluoranthene               | 19.25 | 202 | 35905 | 0.425  | ng | 100  |
| 28) Pyrene                     | 19.61 | 202 | 37816 | 0.476  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.35 | 228 | 44025 | 0.454  | ng | 100  |
| 31) Chrysene                   | 21.40 | 228 | 43252 | 0.455  | ng | 100  |
| 32) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 75504 | 0.480  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.52 | 276 | 51582 | 0.460  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 23.15 | 252 | 40904 | 0.398  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 23.15 | 252 | 40904 | 0.413  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.76 | 252 | 41470 | 0.427  | ng | # 95 |
| 38) Dibenzo(a,h)anthracene     | 26.54 | 278 | 41907 | 0.422  | ng | # 97 |
| 39) Benzo(g,h,i)perylene       | 27.34 | 276 | 41799 | 0.420  | ng | 100  |

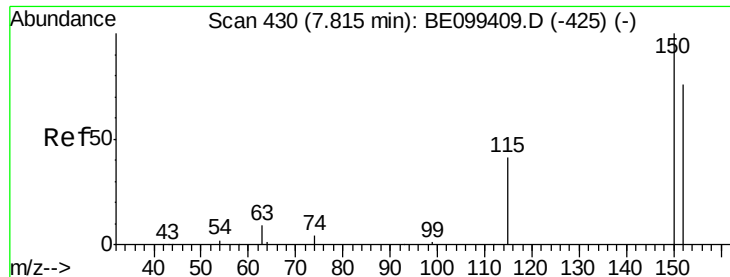
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

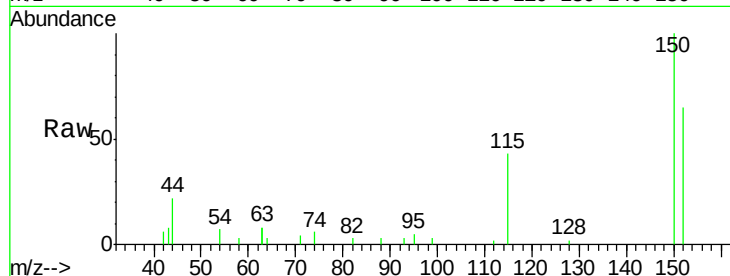
Tot Ion:152 Resp: 2662

Ion Ratio Lower Upper

152 100

150 153.5 104.8 157.2

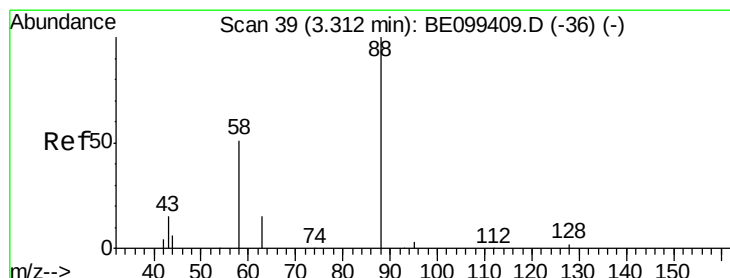
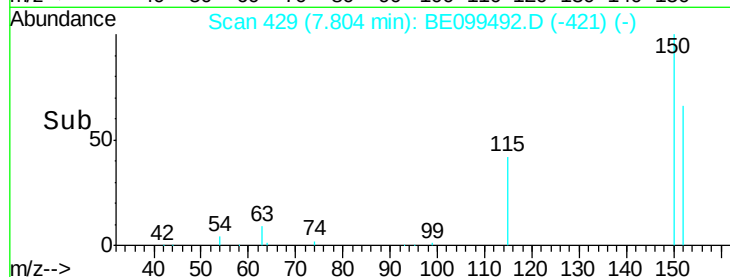
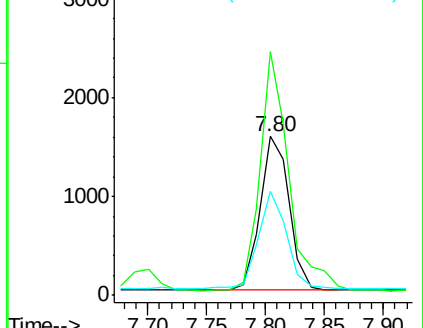
115 65.7 46.6 69.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.389 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

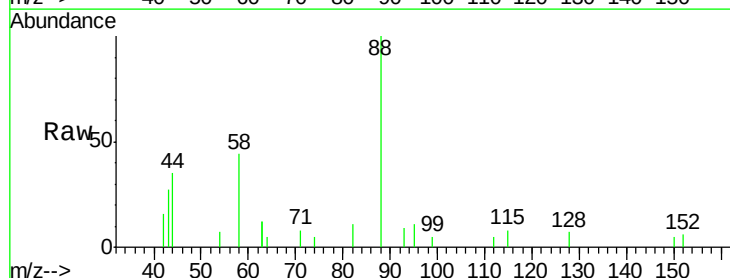
Tgt Ion: 88 Resp: 1423

Ion Ratio Lower Upper

88 100

58 59.1 51.0 76.6

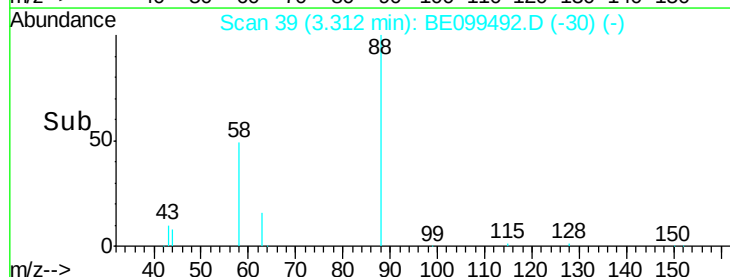
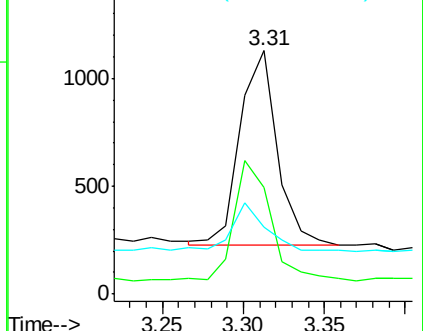
43 22.3 20.6 30.8

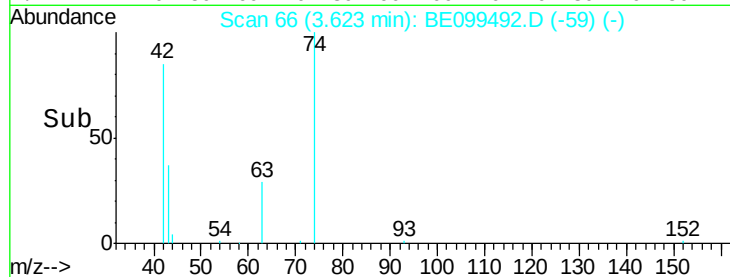
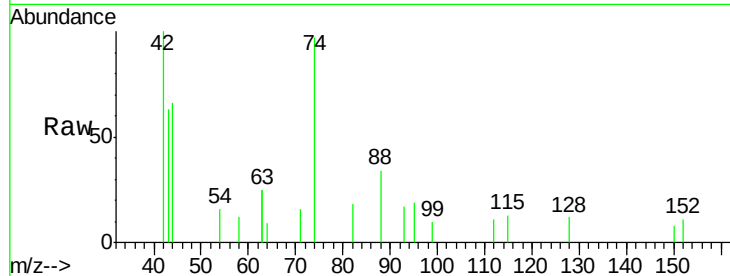
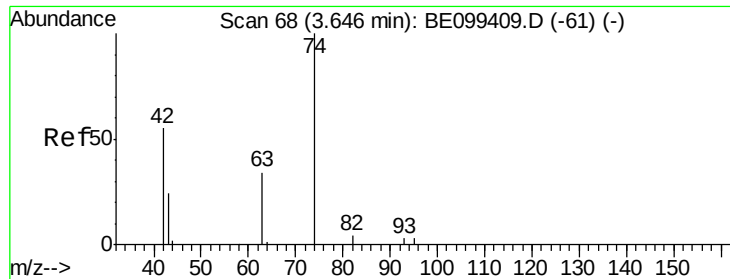


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.487 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.02 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

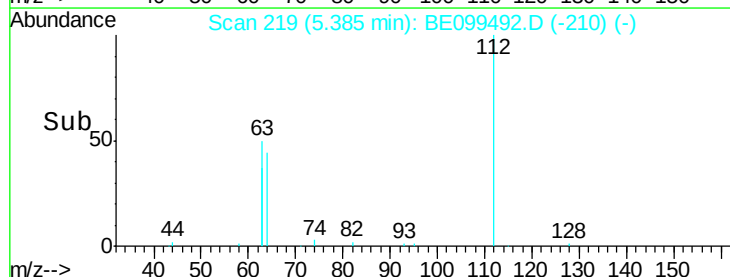
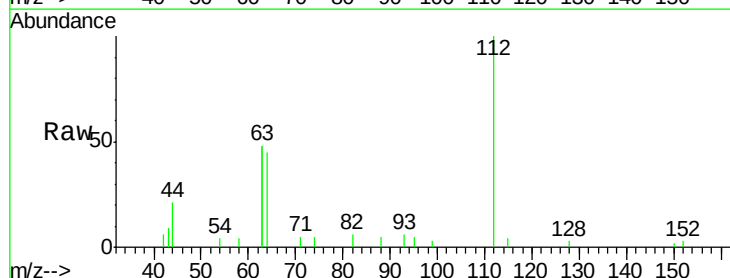
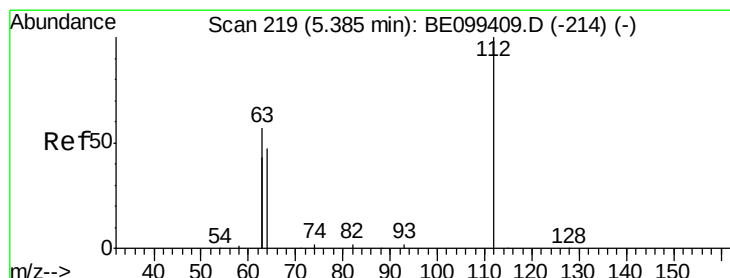
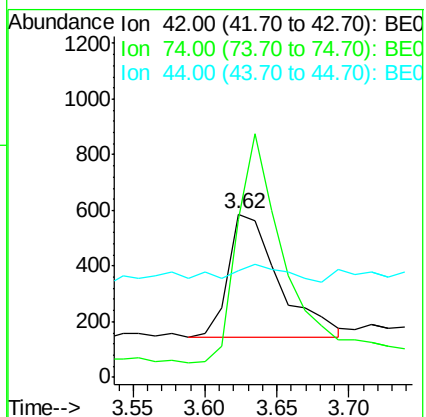
Tot Ion: 42 Resp: 1076

Ion Ratio Lower Upper

42 100

74 170.3 141.6 212.4

44 17.0 0.0 0.0#



#4

2-Fluorophenol

Concen: 0.448 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

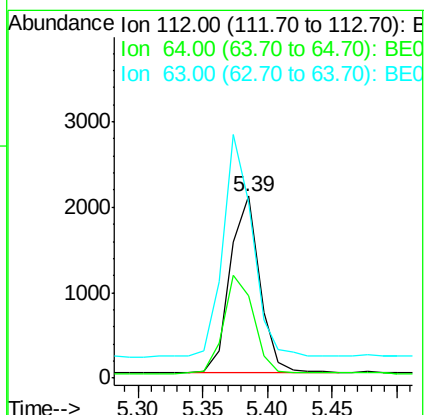
Tgt Ion: 112 Resp: 3301

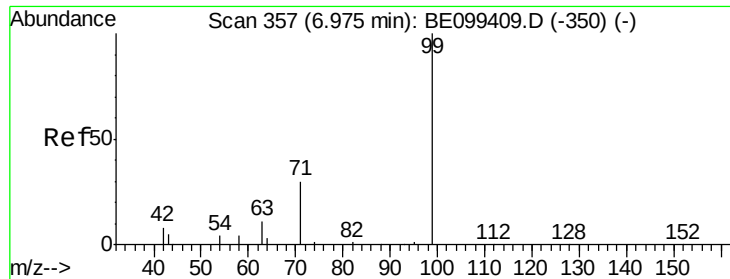
Ion Ratio Lower Upper

112 100

64 57.9 47.4 71.0

63 125.4 104.3 156.5





#5

Phenol-d6

Concen: 0.456 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

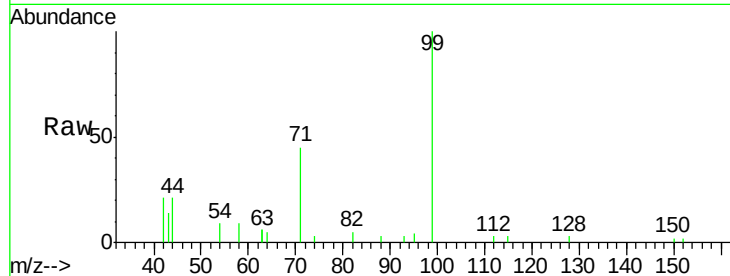
Tot Ion: 99 Resp: 4460

Ion Ratio Lower Upper

99 100

42 16.7 14.9 22.3

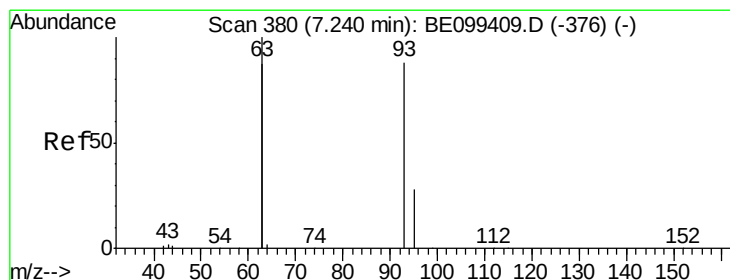
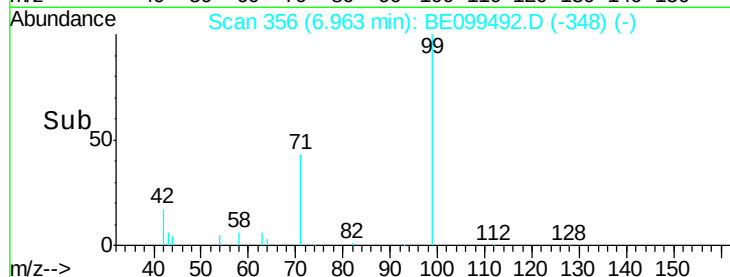
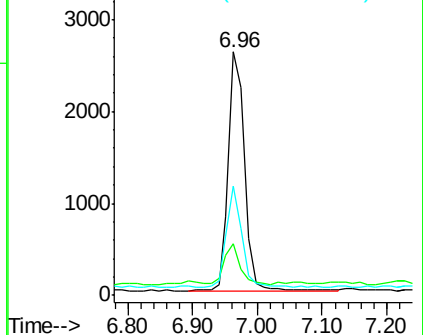
71 39.9 33.0 49.6



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: 0.401 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

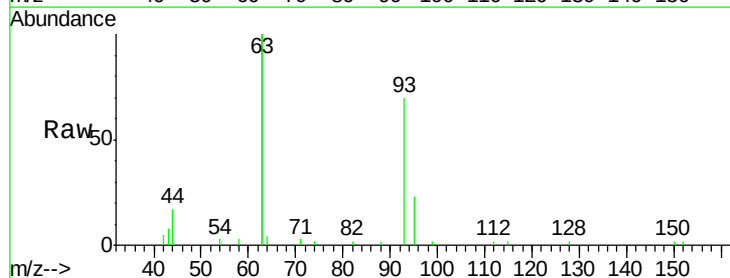
Tgt Ion: 93 Resp: 3389

Ion Ratio Lower Upper

93 100

63 263.1 215.6 323.4

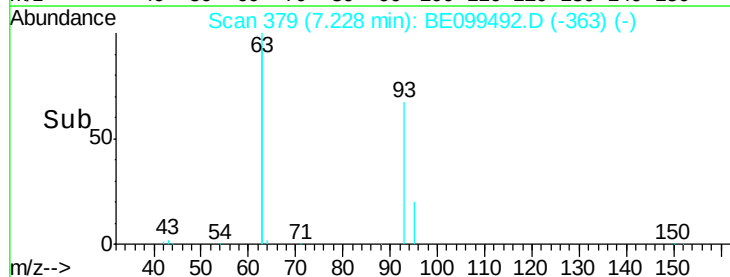
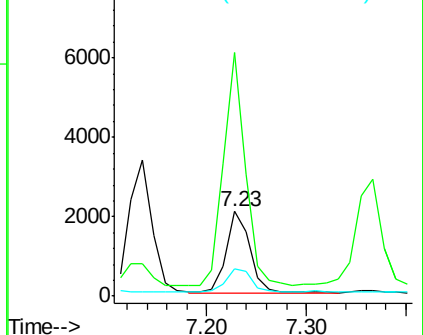
95 30.8 26.2 39.2

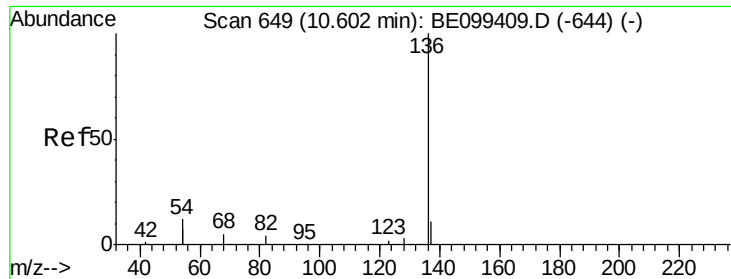


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 9155

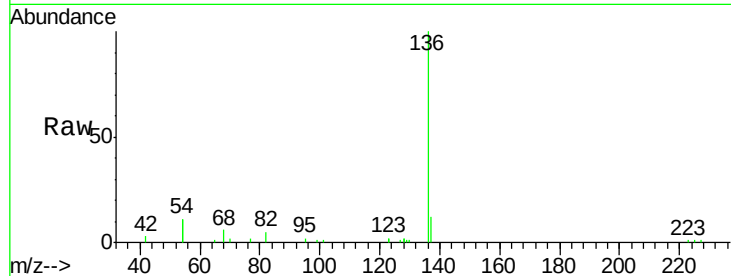
Ion Ratio Lower Upper

136 100

137 11.7 9.8 14.8

54 22.1 18.5 27.7

68 5.9 4.7 7.1

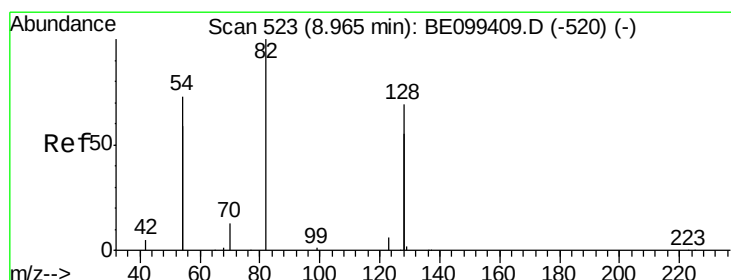
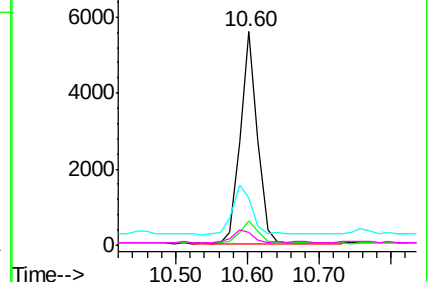
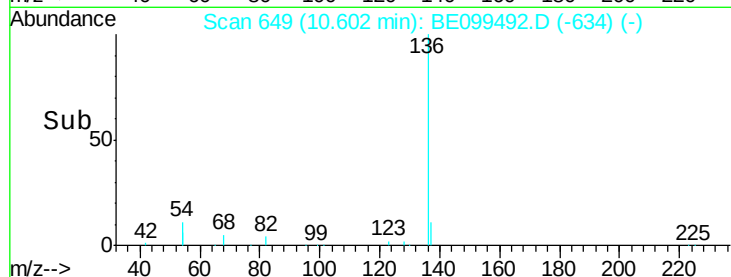


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.460 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

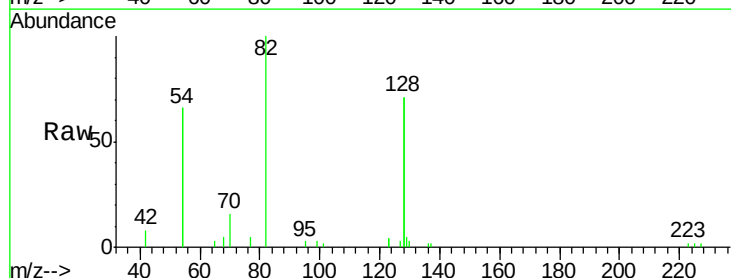
Tgt Ion: 82 Resp: 3947

Ion Ratio Lower Upper

82 100

128 141.5 107.0 160.4

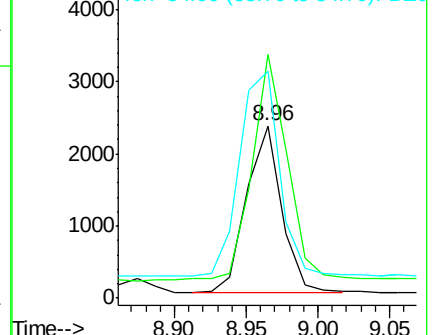
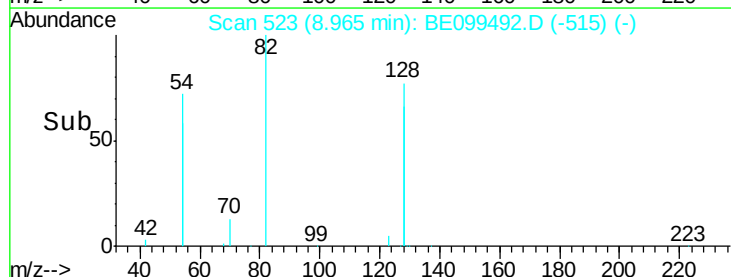
54 132.2 113.1 169.7

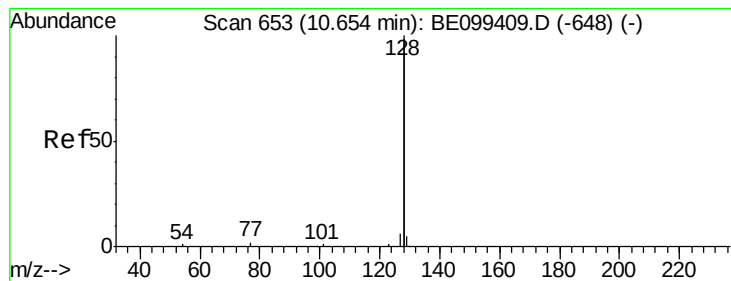


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.419 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

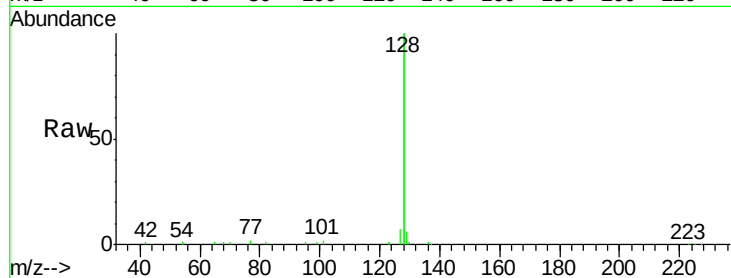
Tot Ion:128 Resp: 41780

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

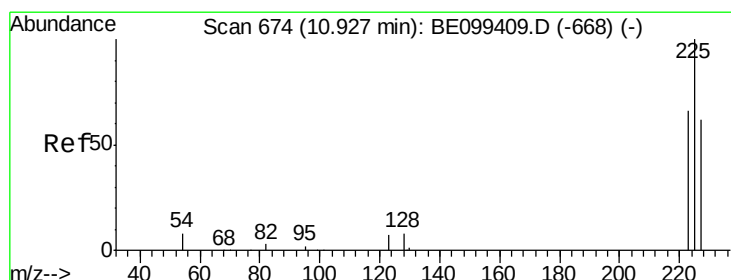
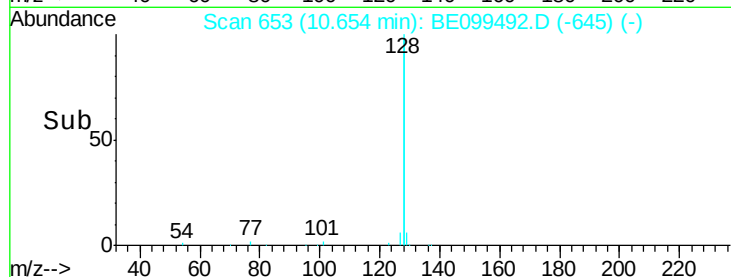
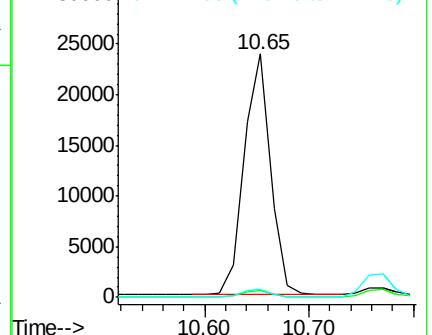
127 3.3 2.8 4.2



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: 0.422 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

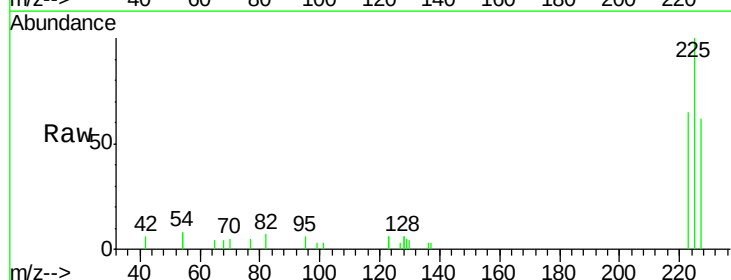
Tgt Ion:225 Resp: 2927

Ion Ratio Lower Upper

225 100

223 63.4 51.0 76.6

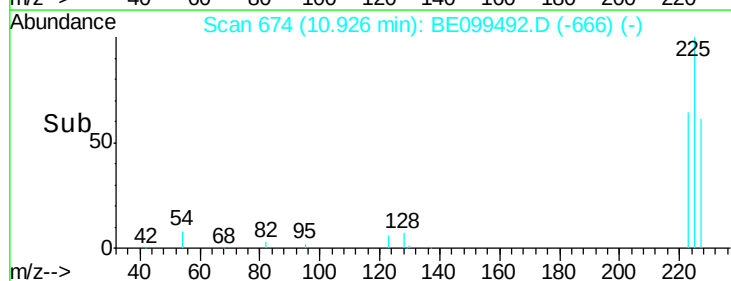
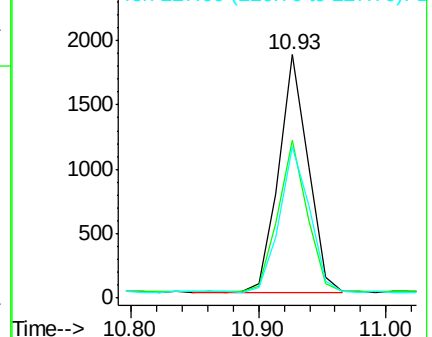
227 62.4 50.9 76.3

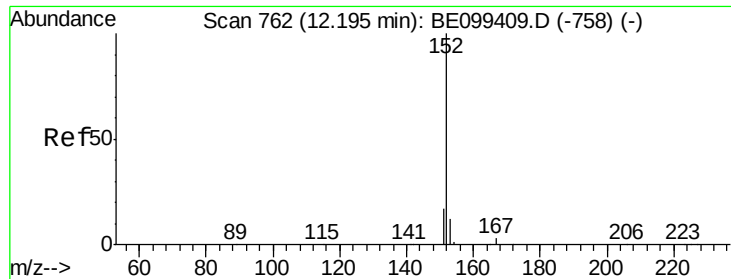


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.408 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

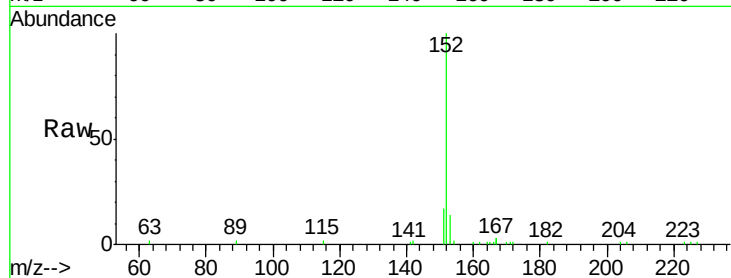
SSTDCCC0.4

Tot Ion:152 Resp: 6735

Ion Ratio Lower Upper

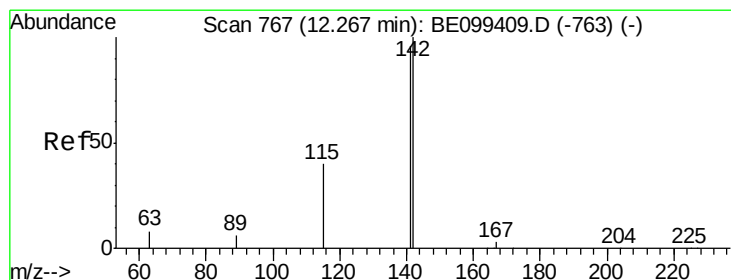
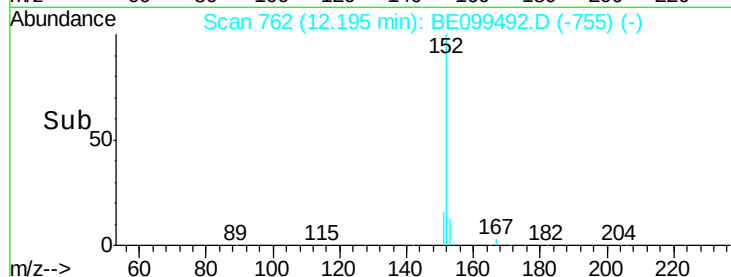
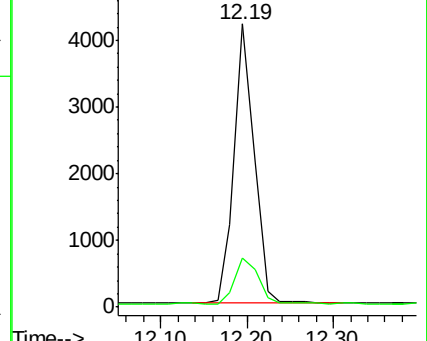
152 100

151 19.3 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: 0.410 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

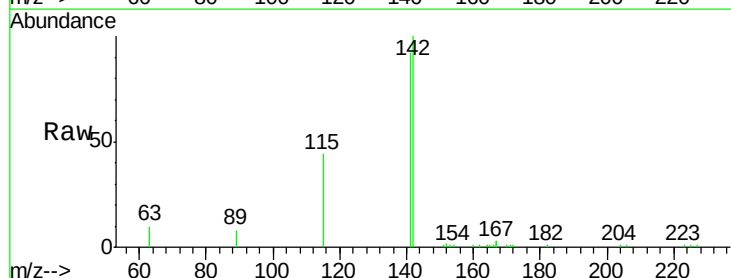
Tgt Ion:142 Resp: 7113

Ion Ratio Lower Upper

142 100

141 92.0 77.0 115.4

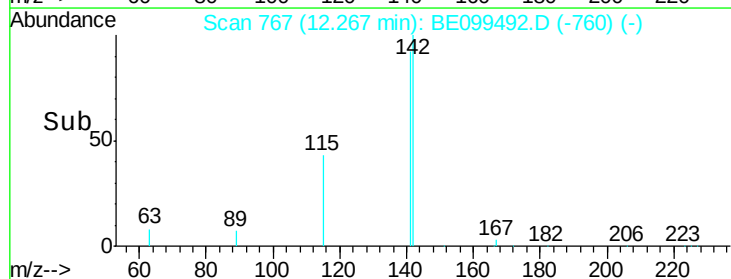
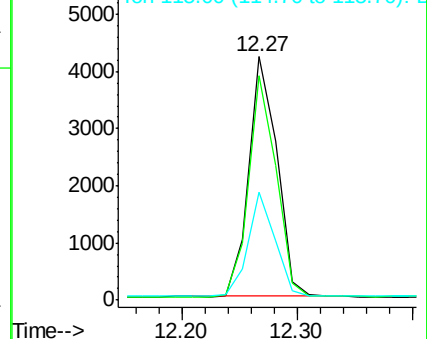
115 44.1 33.4 50.0



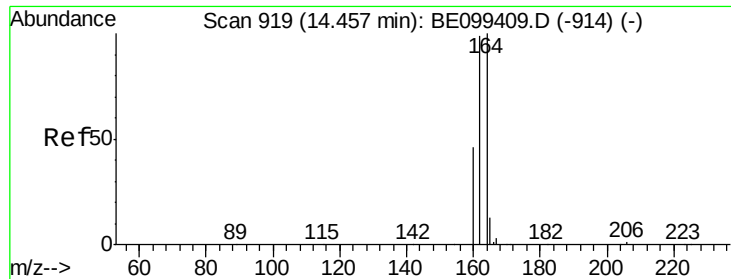
Abundance Ion 142.00 (141.70 to 142.70): E

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: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

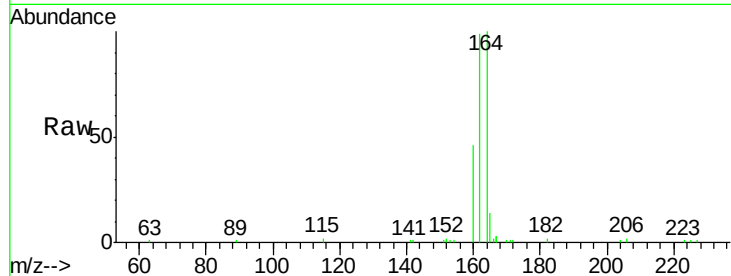
Tot Ion:164 Resp: 6916

Ion Ratio Lower Upper

164 100

162 99.1 79.0 118.4

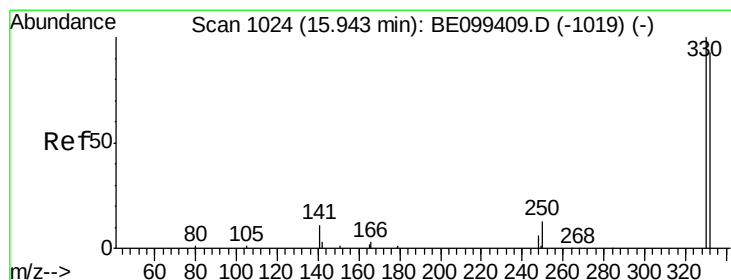
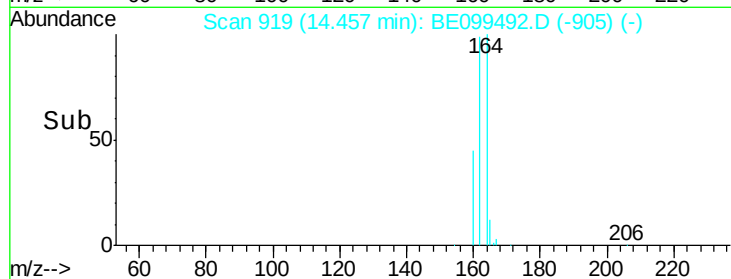
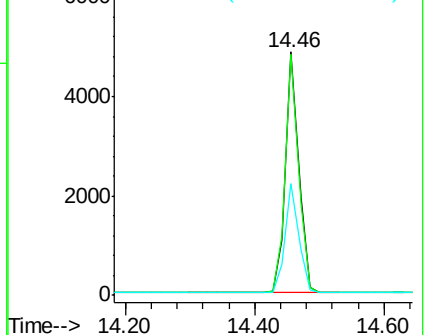
160 45.8 37.0 55.4



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: 0.545 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

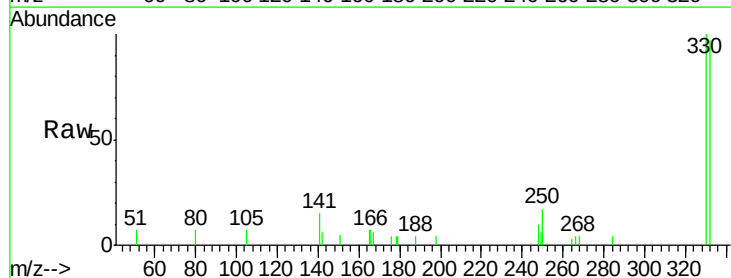
Tgt Ion:330 Resp: 2374

Ion Ratio Lower Upper

330 100

332 96.2 71.5 107.3

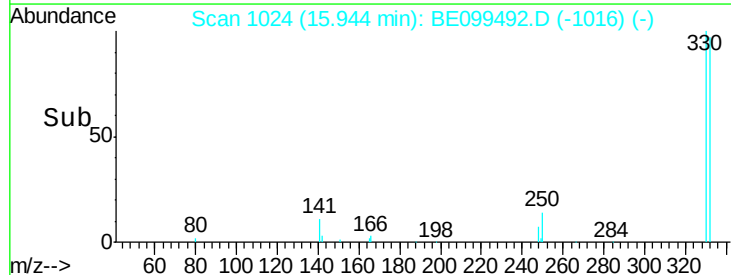
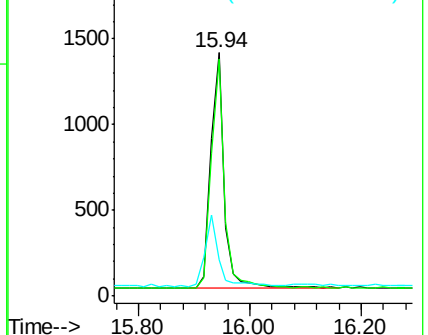
141 28.9 24.0 36.0

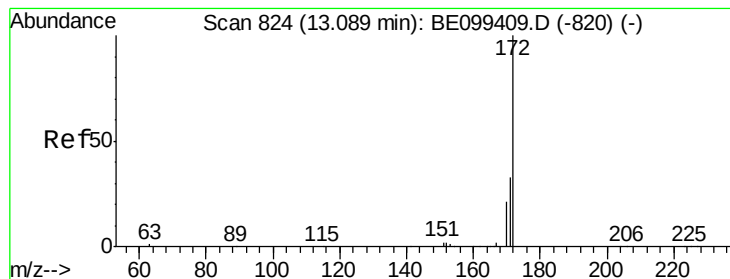


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.413 ng

RT: 13.07 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

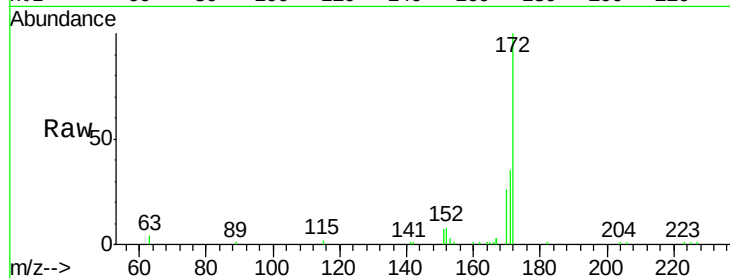
Tot Ion:172 Resp: 10894

Ion Ratio Lower Upper

172 100

171 35.4 26.6 39.8

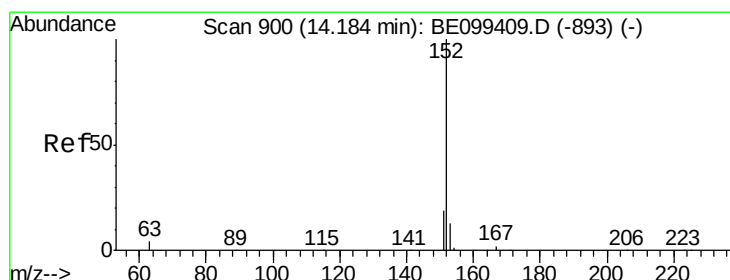
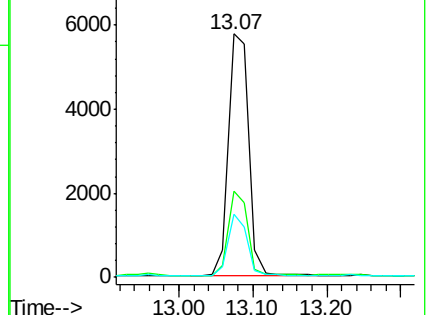
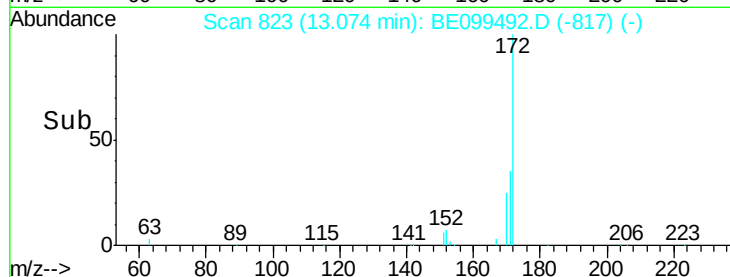
170 26.1 17.0 25.6#



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: 0.403 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

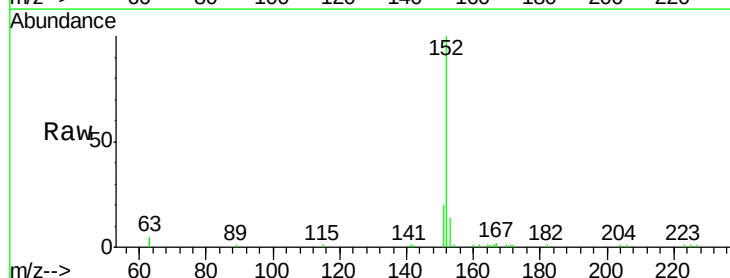
Tgt Ion:152 Resp: 13649

Ion Ratio Lower Upper

152 100

151 20.3 15.4 23.2

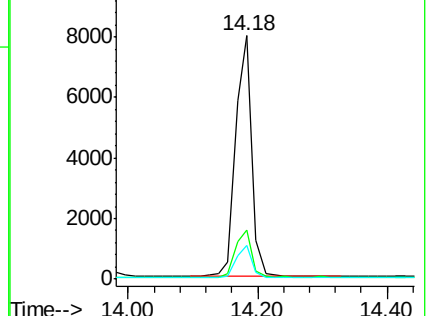
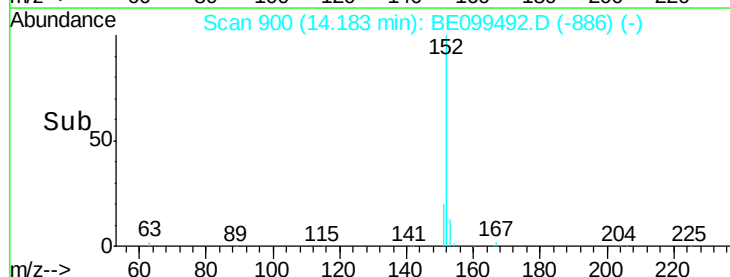
153 12.9 9.8 14.6

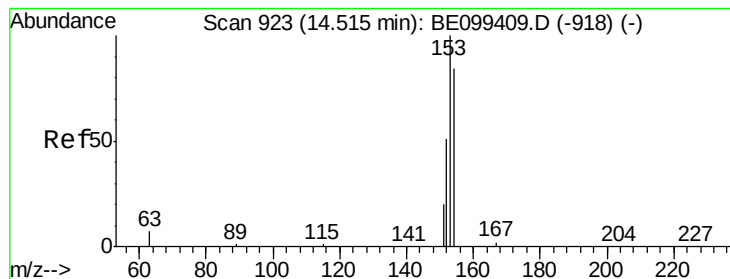


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.403 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

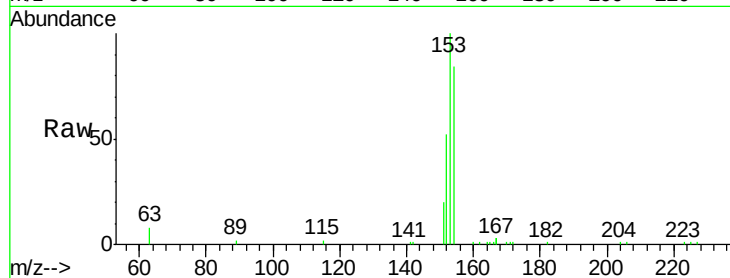
Tot Ion:154 Resp: 7795

Ion Ratio Lower Upper

154 100

153 115.6 92.6 138.8

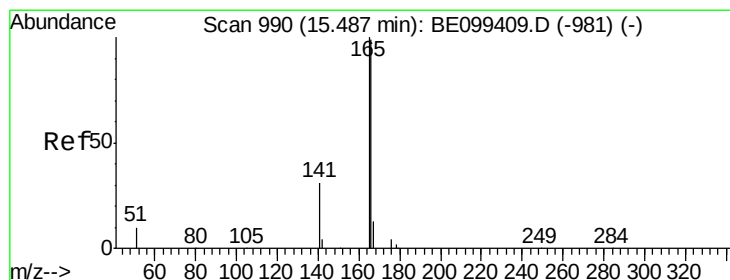
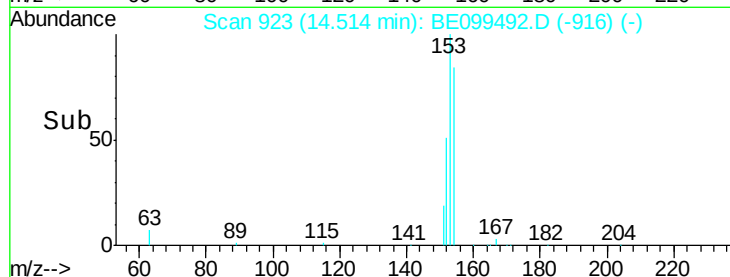
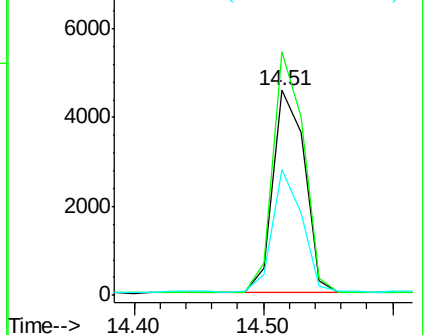
152 55.7 45.8 68.8



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: 0.416 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

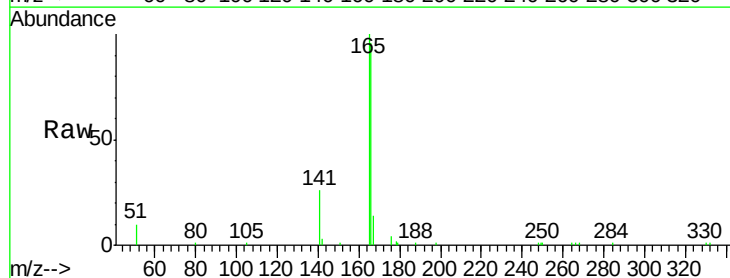
Tgt Ion:166 Resp: 11860

Ion Ratio Lower Upper

166 100

165 101.5 80.3 120.5

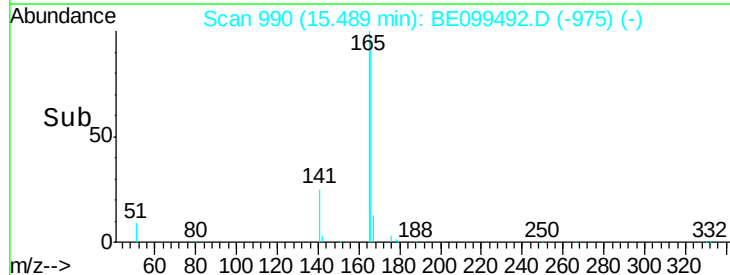
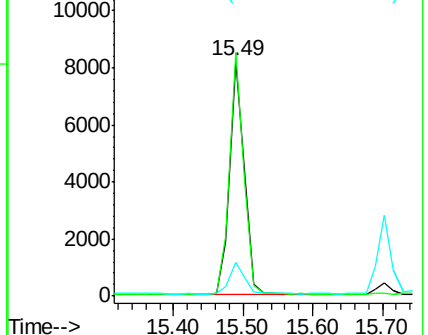
167 13.9 10.7 16.1

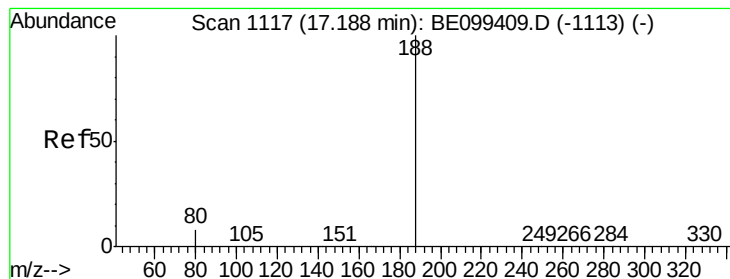


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

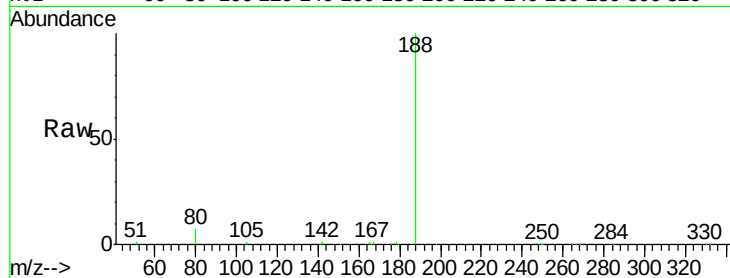
Tot Ion:188 Resp: 21837

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

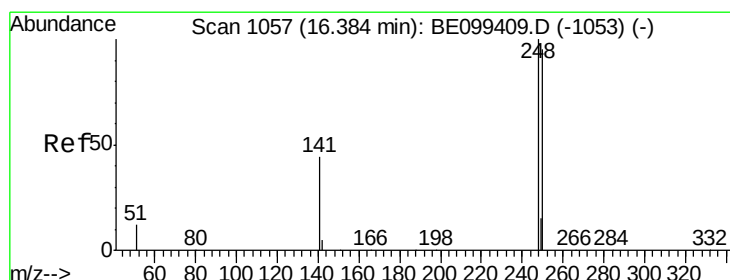
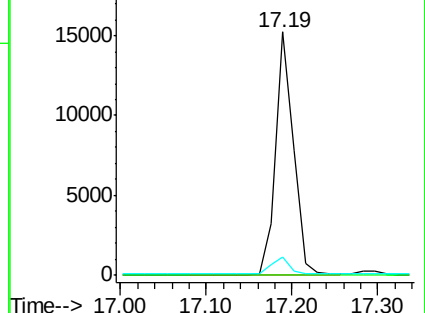
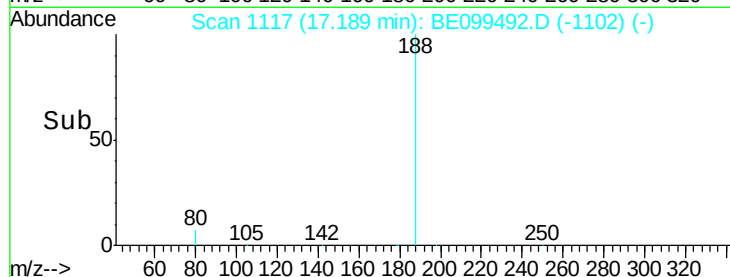
80 7.4 6.7 10.1



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



#20

4-Bromophenyl-phenylether

Concen: 0.401 ng

RT: 16.39 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

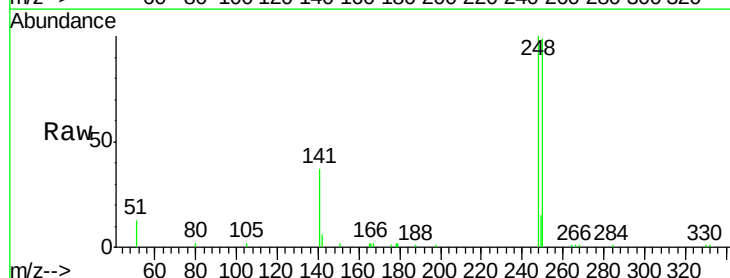
Tgt Ion:248 Resp: 5097

Ion Ratio Lower Upper

248 100

250 99.3 75.8 113.8

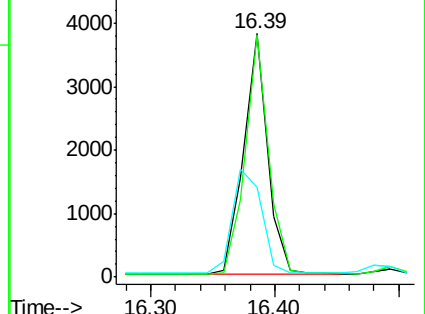
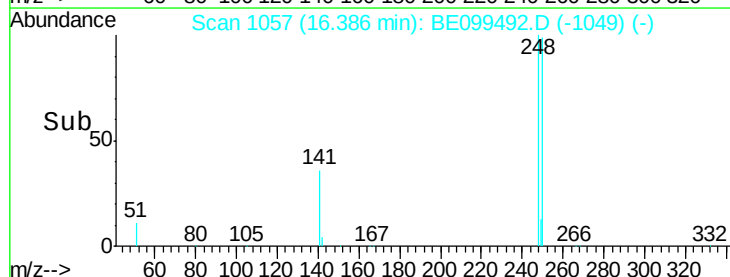
141 37.1 35.7 53.5

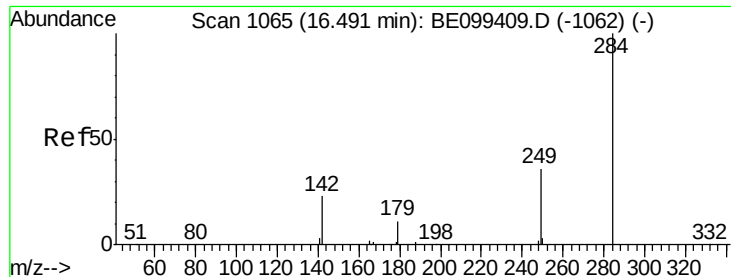


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.395 ng

RT: 16.49 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

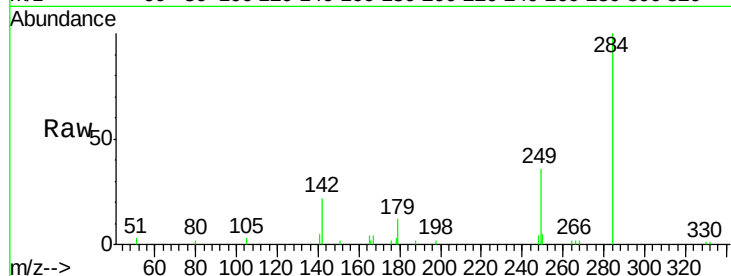
Tot Ion:284 Resp: 4782

Ion Ratio Lower Upper

284 100

142 26.1 21.0 31.6

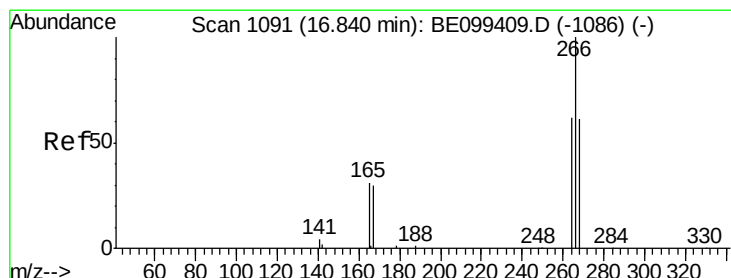
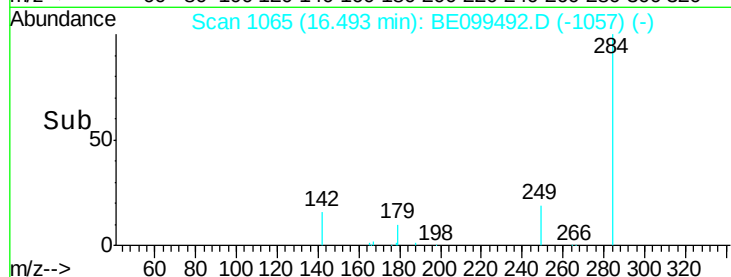
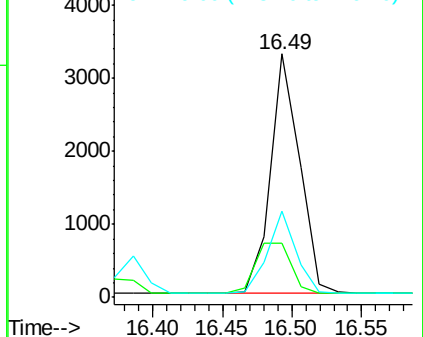
249 33.2 26.7 40.1



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: 0.447 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

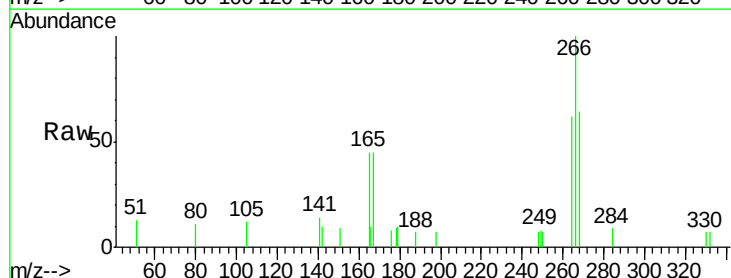
Tgt Ion:266 Resp: 1683

Ion Ratio Lower Upper

266 100

264 62.3 50.8 76.2

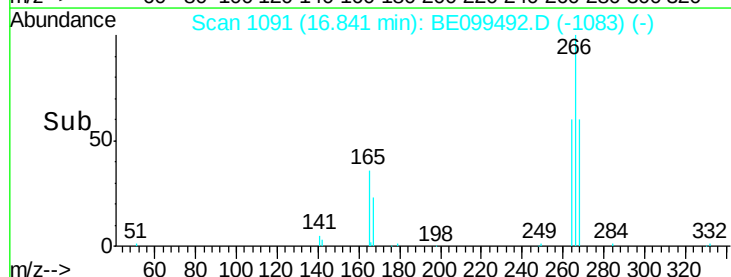
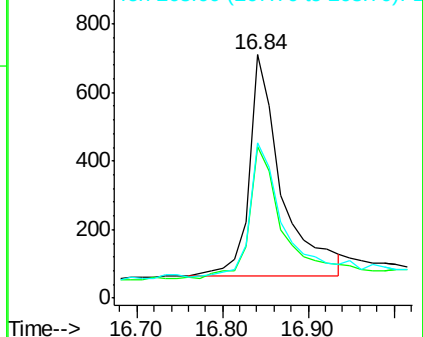
268 63.7 50.5 75.7

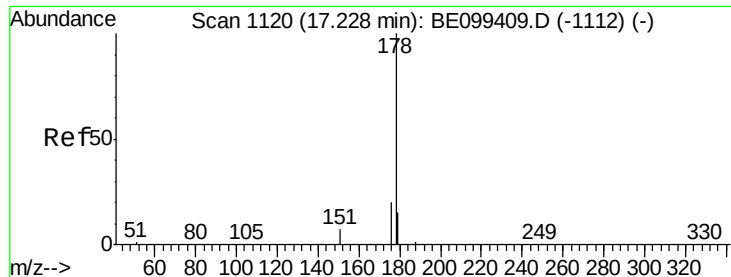


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.403 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

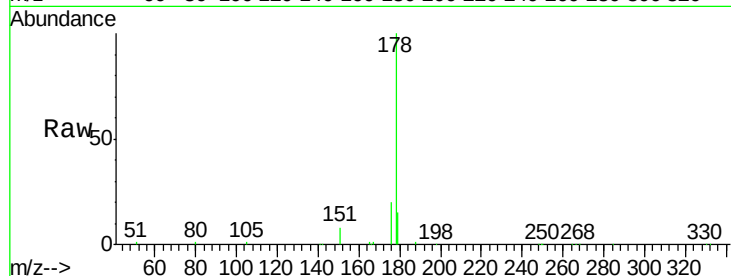
BNA\_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:178 Resp: 22700

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.4  | 15.6  | 23.4  |
| 179 | 15.0  | 12.0  | 18.0  |

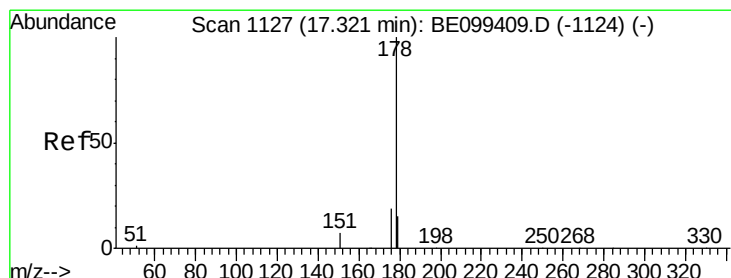
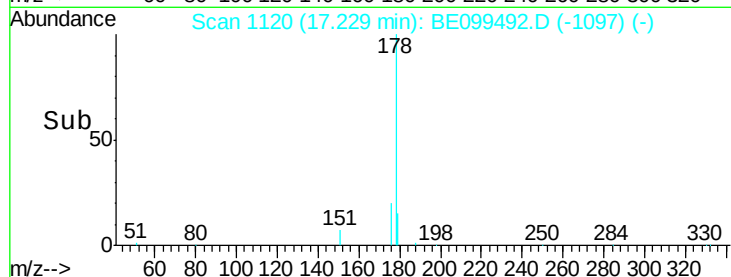
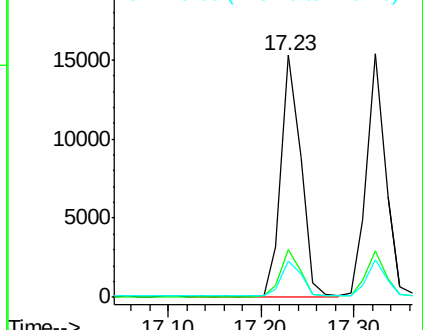


Abundance

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: 0.406 ng

RT: 17.32 min Scan# 1127

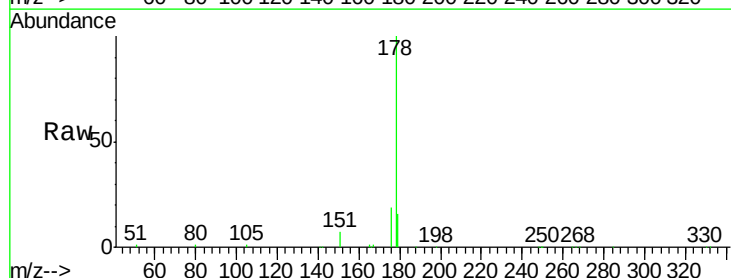
Delta R.T. 0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Tgt Ion:178 Resp: 21814

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.1  | 14.9  | 22.3  |
| 179 | 15.2  | 11.9  | 17.9  |

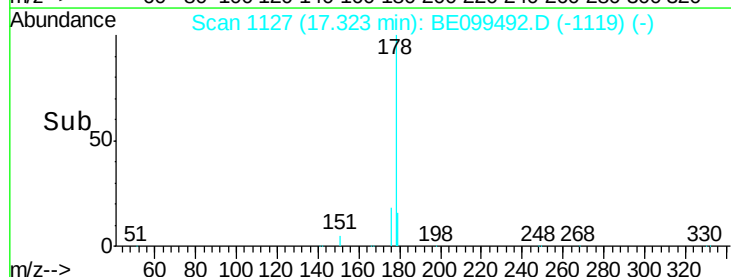
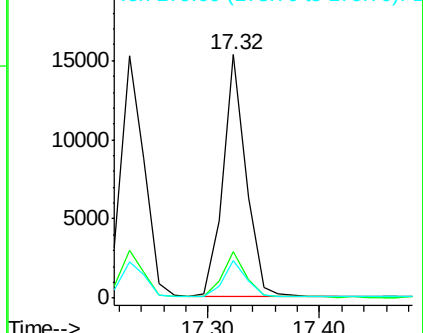


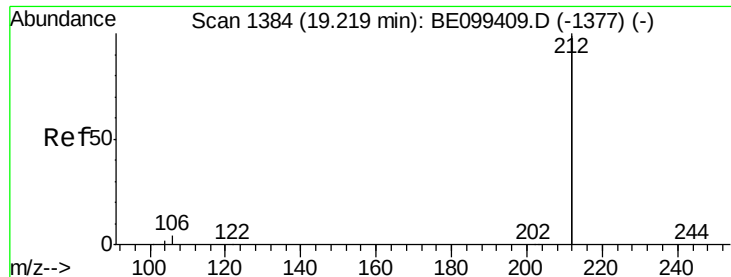
Abundance

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: 0.420 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

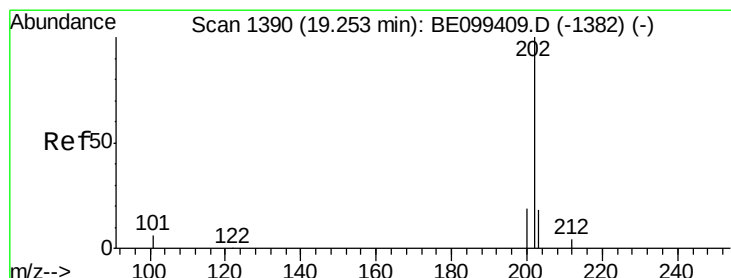
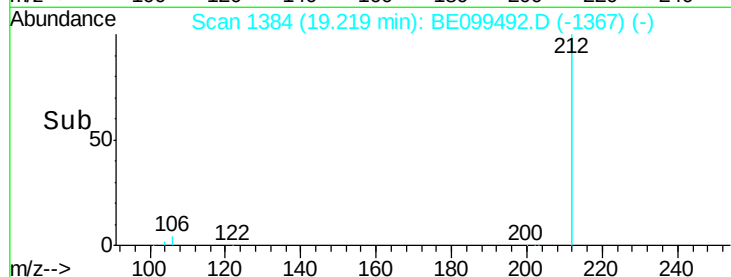
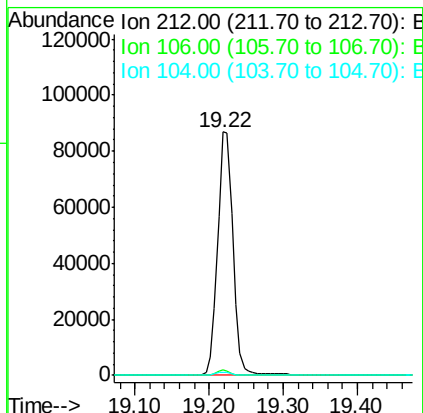
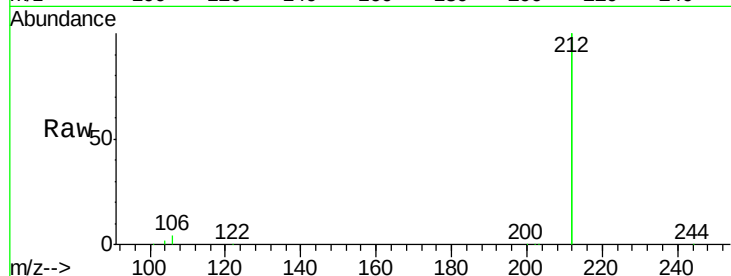
Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

|             |       |         |
|-------------|-------|---------|
| Tot Ion:212 | Resp: | 123681  |
| Ion Ratio   | Lower | Upper   |
| 212         | 100   |         |
| 106         | 1.8   | 1.5 2.3 |
| 104         | 1.1   | 0.9 1.3 |



#26

Fluoranthene

Concen: 0.425 ng

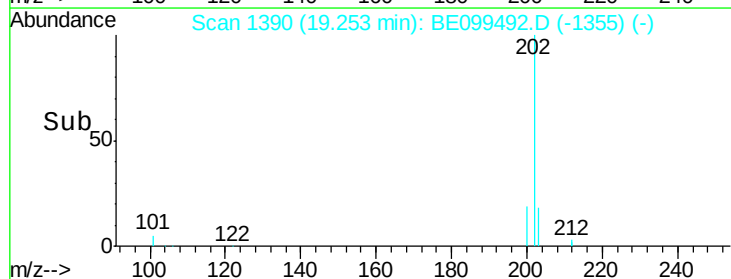
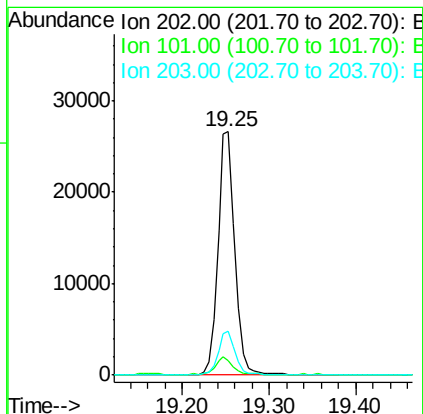
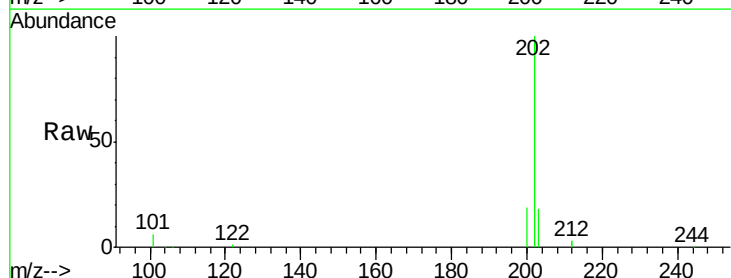
RT: 19.25 min Scan# 1390

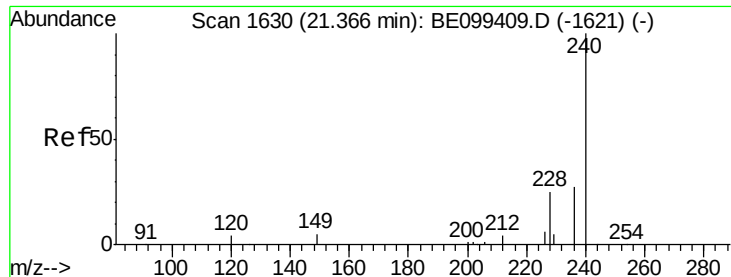
Delta R.T. -0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 35905     |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 101         | 7.0   | 5.4 8.0   |
| 203         | 17.3  | 13.9 20.9 |

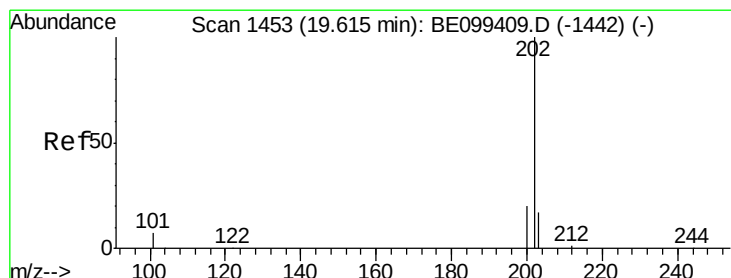
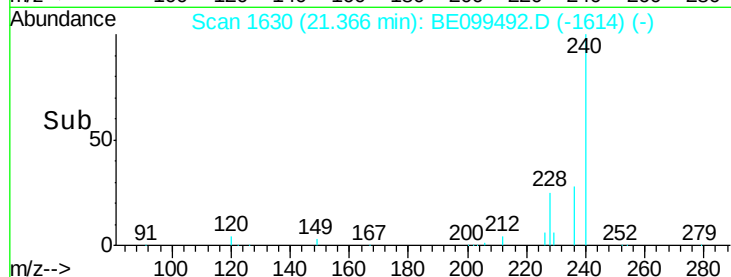
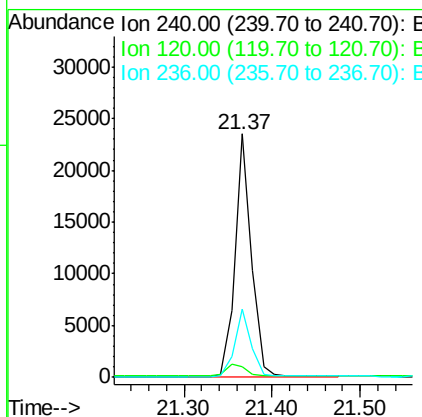
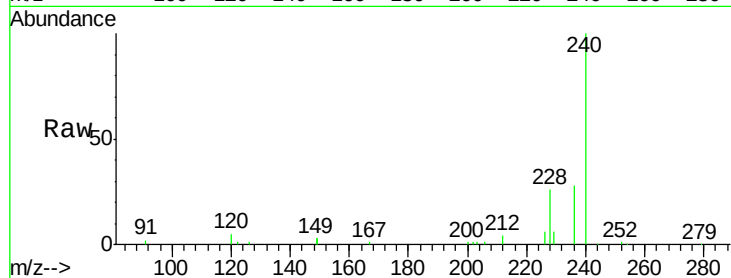




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.37 min Scan# 1630  
Delta R.T. -0.00 min  
Lab File: BE099492.D  
Acq: 2 May 2019 14:30

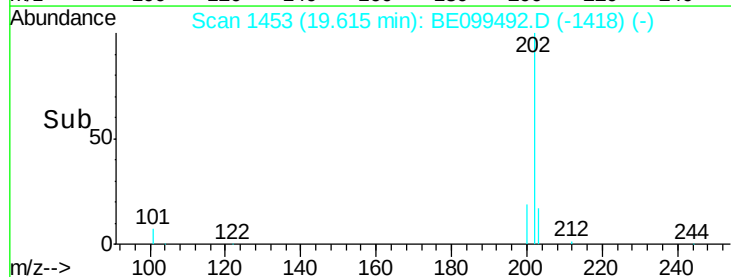
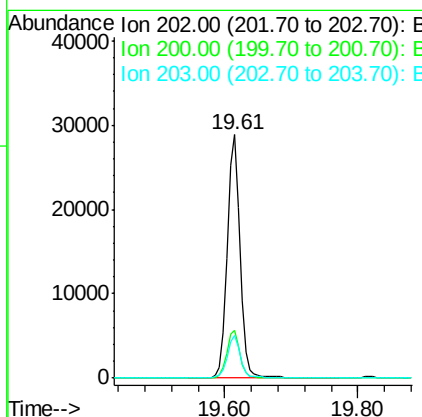
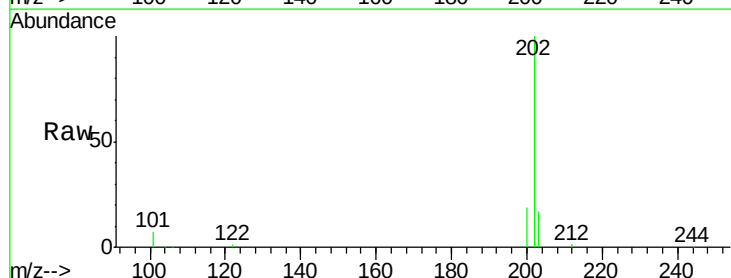
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:240 Resp: 30458  
Ion Ratio Lower Upper  
240 100  
120 4.6 4.0 6.0  
236 27.9 22.0 33.0

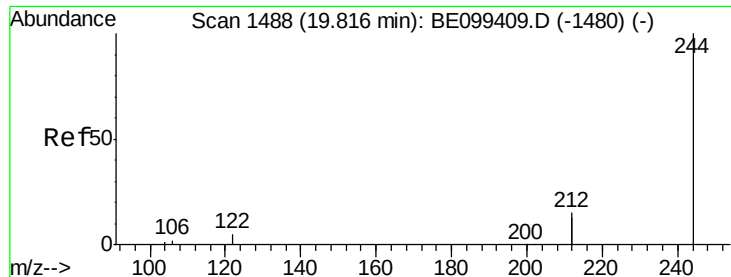


#28  
Pyrene  
Concen: 0.476 ng  
RT: 19.61 min Scan# 1453  
Delta R.T. -0.00 min  
Lab File: BE099492.D  
Acq: 2 May 2019 14:30

Tgt Ion:202 Resp: 37816  
Ion Ratio Lower Upper  
202 100  
200 19.6 15.7 23.5  
203 17.2 13.9 20.9







#29

Terphenyl-d14

Concen: 0.472 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

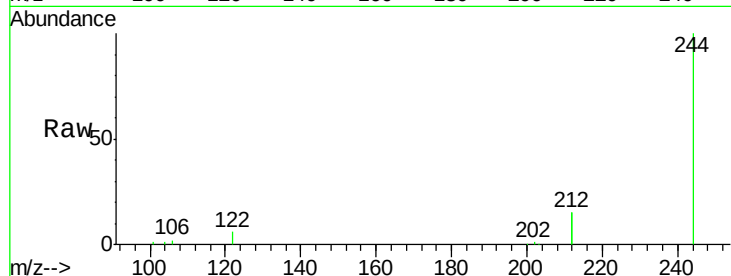
Tot Ion:244 Resp: 26340

Ion Ratio Lower Upper

244 100

212 30.9 23.2 34.8

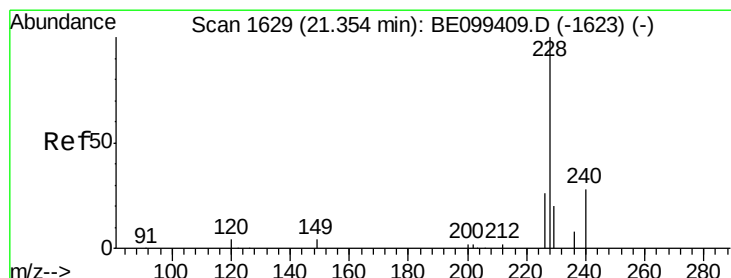
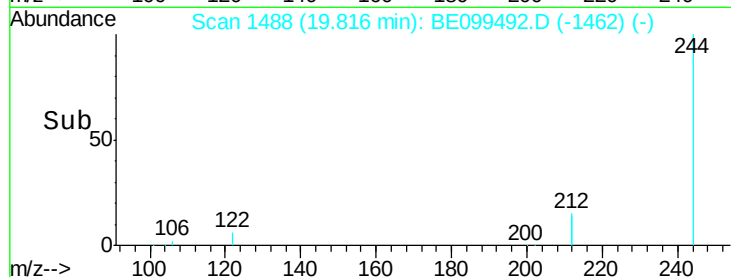
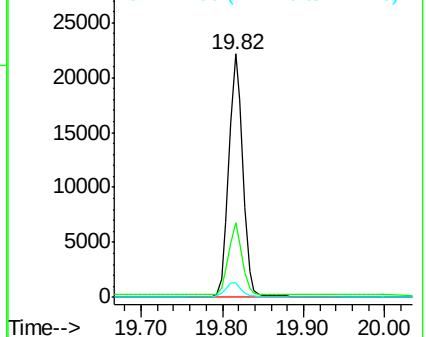
122 5.9 4.2 6.4



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: 0.454 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

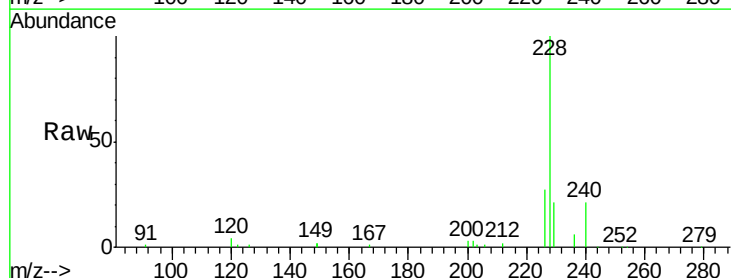
Tgt Ion:228 Resp: 44025

Ion Ratio Lower Upper

228 100

226 26.5 21.0 31.6

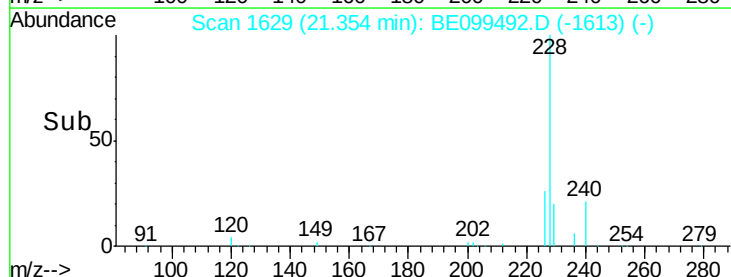
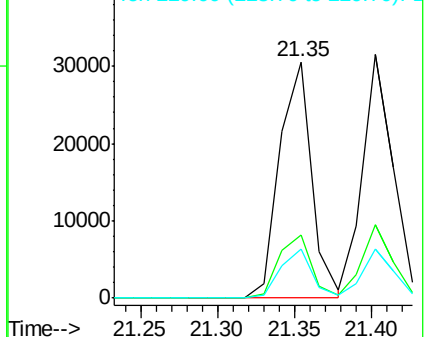
229 20.6 16.6 25.0

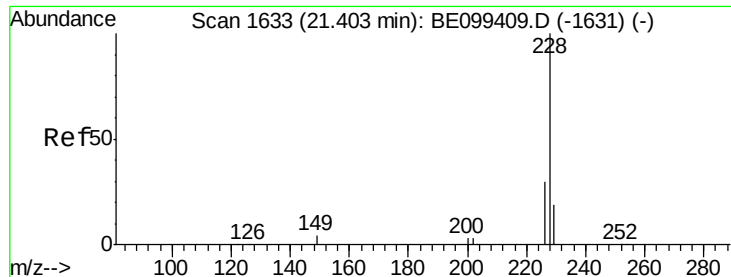


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.455 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

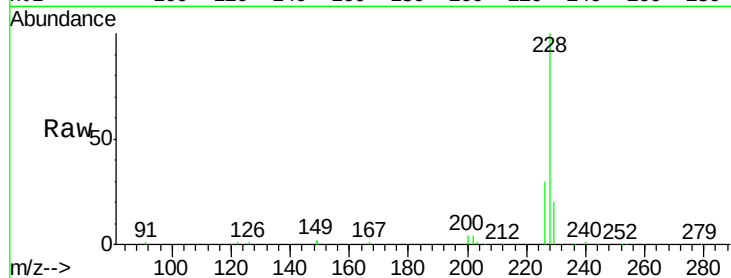
Tot Ion:228 Resp: 43252

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

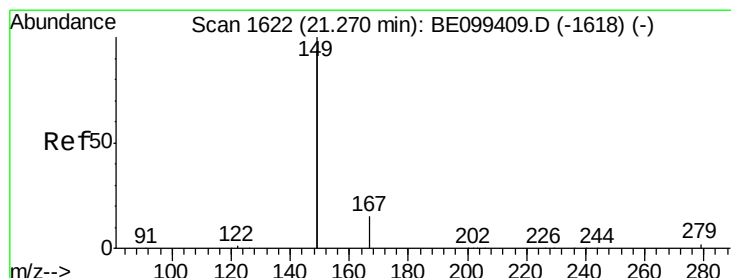
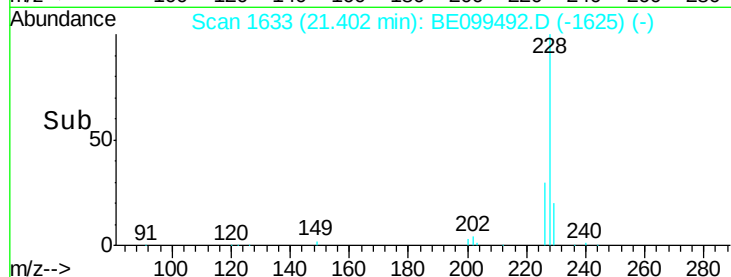
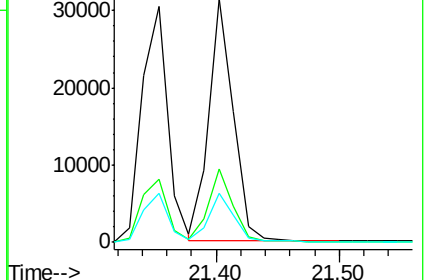
229 20.0 15.8 23.8



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: 0.480 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

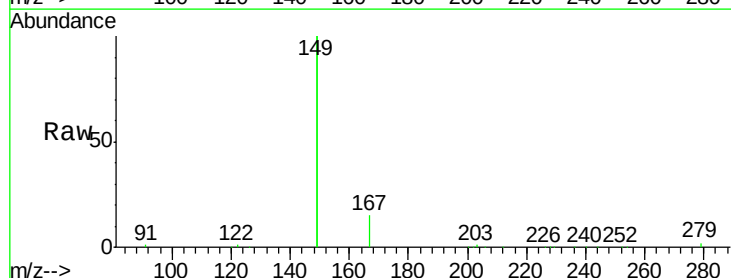
Tgt Ion:149 Resp: 75504

Ion Ratio Lower Upper

149 100

167 7.4 5.8 8.6

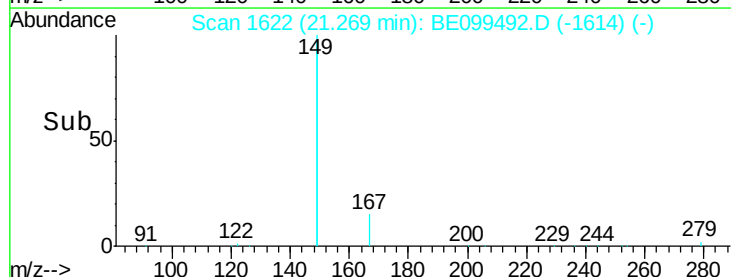
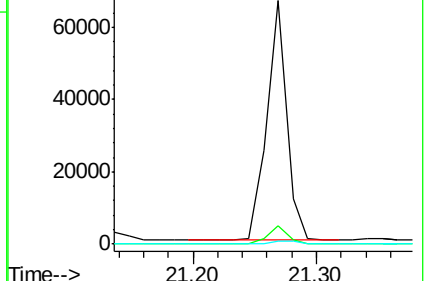
279 1.3 1.0 1.6

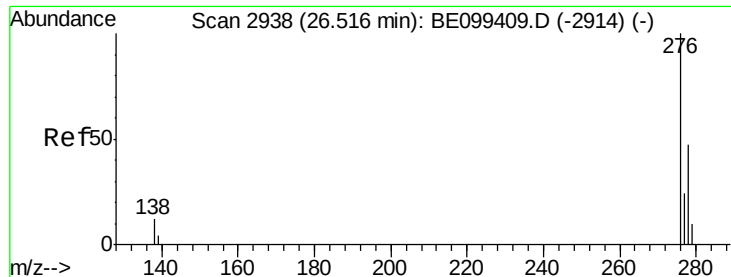


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

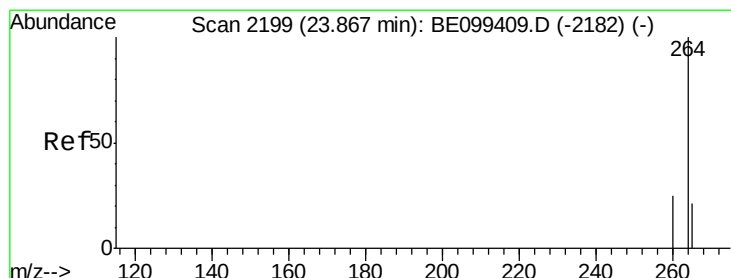
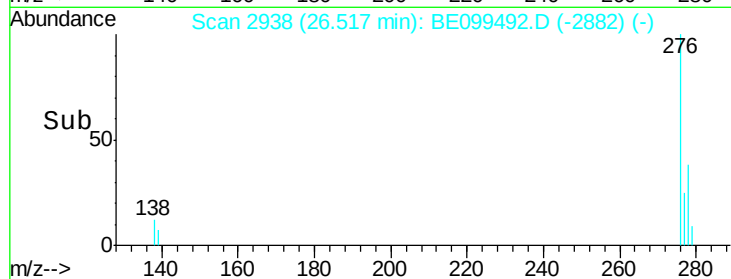
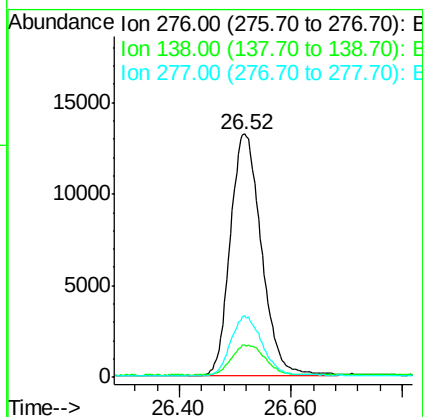
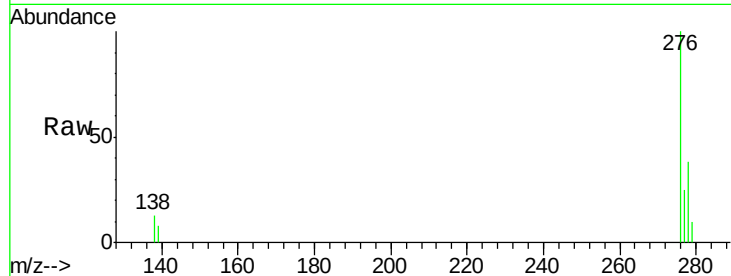




#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.460 ng  
 RT: 26.52 min Scan# 2938  
 Delta R.T. 0.00 min  
 Lab File: BE099492.D  
 Acq: 2 May 2019 14:30

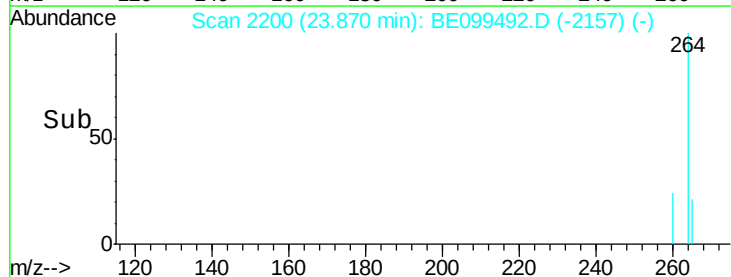
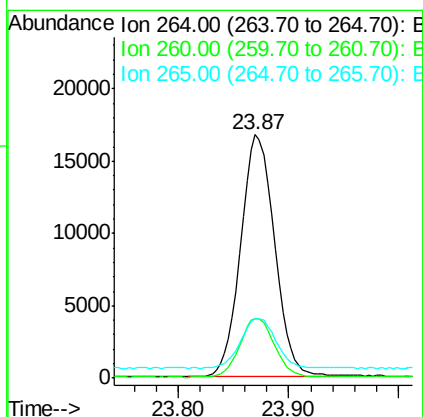
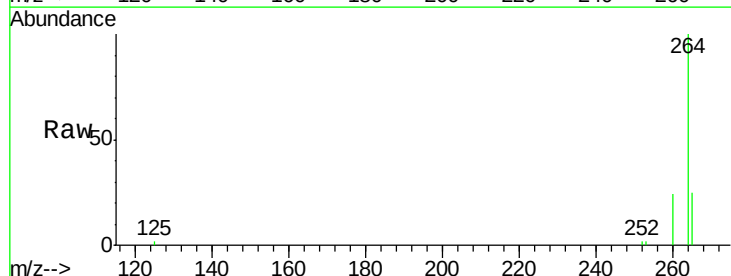
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTCCCC0.4

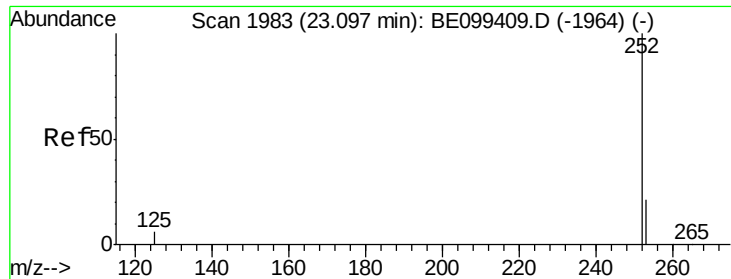
Tot Ion:276 Resp: 51582  
 Ion Ratio Lower Upper  
 276 100  
 138 13.1 10.2 15.2  
 277 24.7 19.2 28.8



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.87 min Scan# 2200  
 Delta R.T. 0.00 min  
 Lab File: BE099492.D  
 Acq: 2 May 2019 14:30

Tgt Ion:264 Resp: 35652  
 Ion Ratio Lower Upper  
 264 100  
 260 24.4 20.2 30.2  
 265 24.6 21.3 31.9





#35

Benzo(b)fluoranthene

Concen: 0.398 ng

RT: 23.15 min Scan# 1998

Delta R.T. 0.05 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

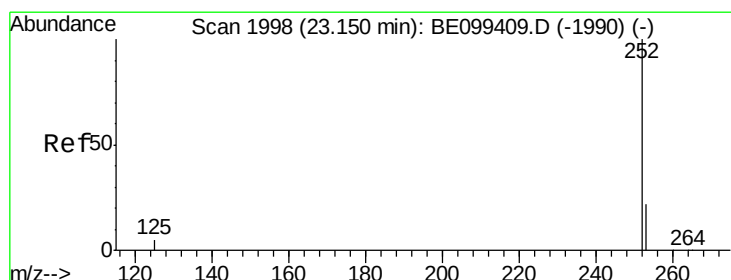
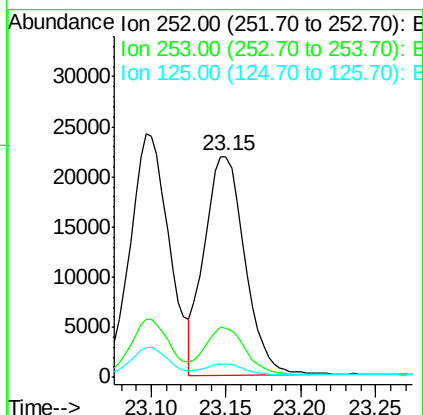
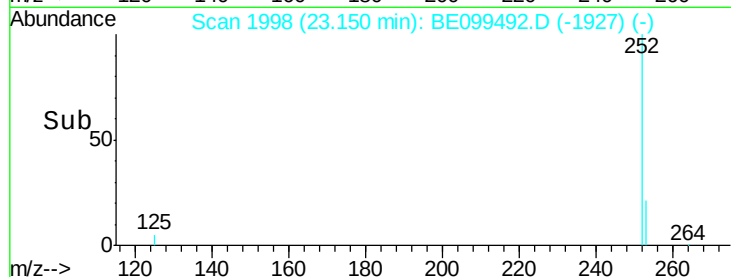
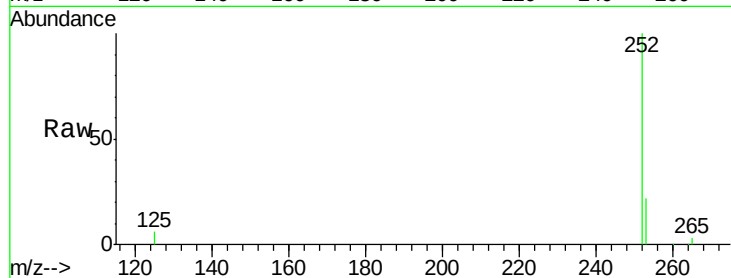
Tot Ion:252 Resp: 40904

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

125 6.0 5.6 8.4



#36

Benzo(k)fluoranthene

Concen: 0.413 ng

RT: 23.15 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

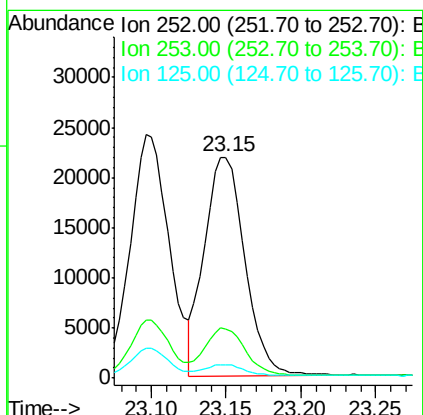
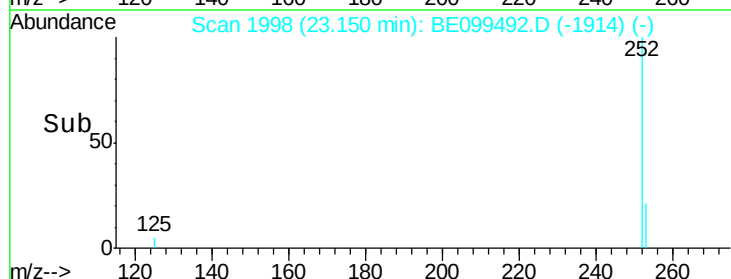
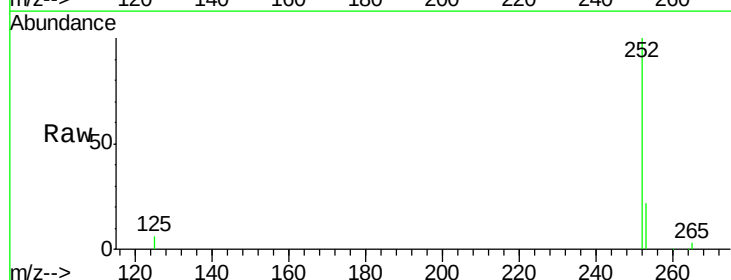
Tgt Ion:252 Resp: 40904

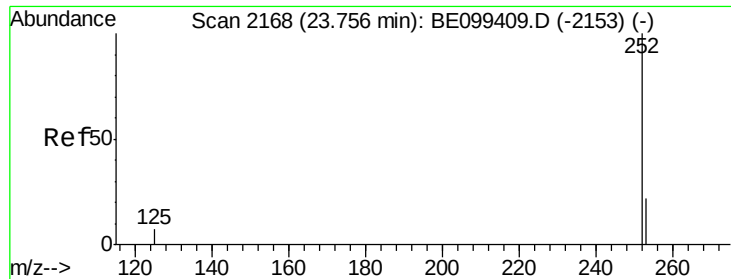
Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

125 6.0 5.0 7.4

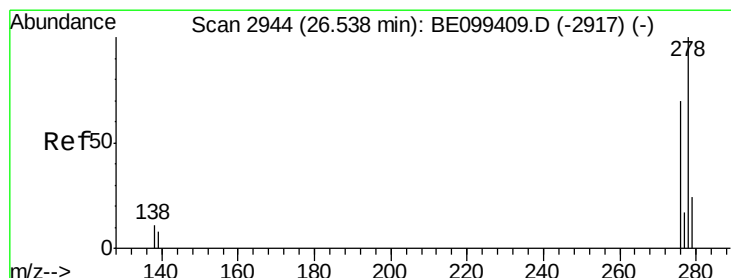
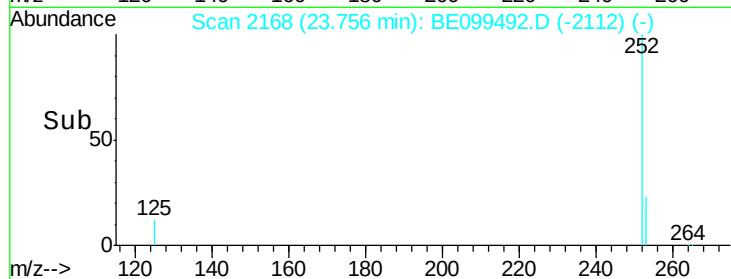
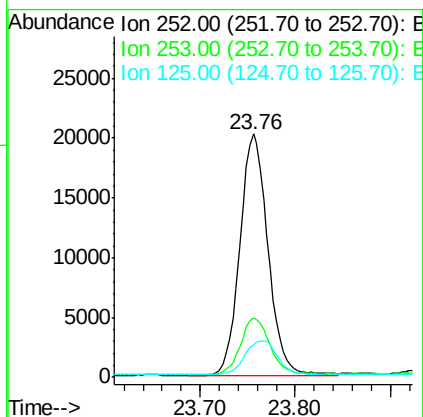
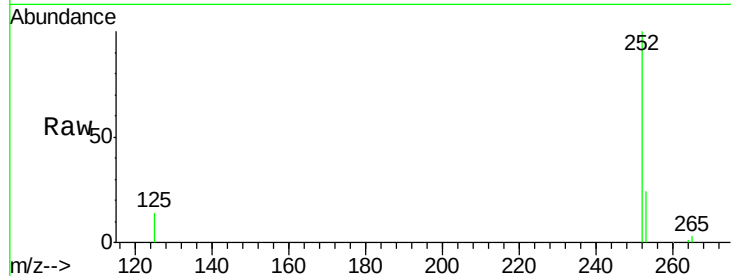




#37  
Benzo(a)pyrene  
Concen: 0.427 ng  
RT: 23.76 min Scan# 2168  
Delta R.T. -0.00 min  
Lab File: BE099492.D  
Acq: 2 May 2019 14:30

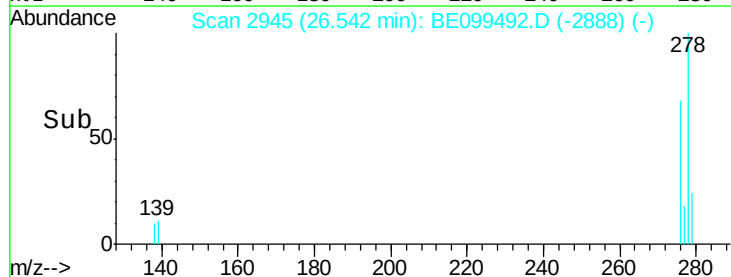
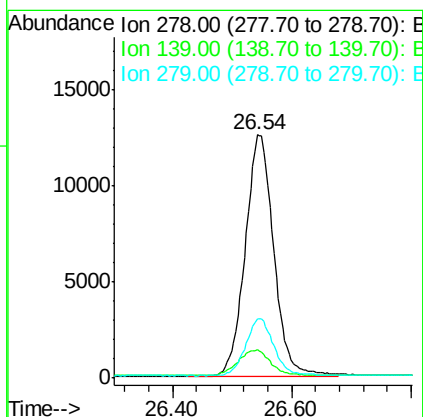
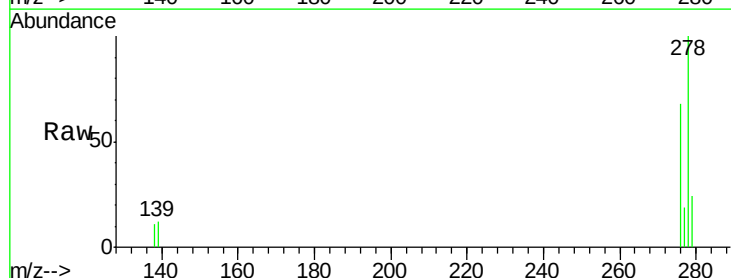
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

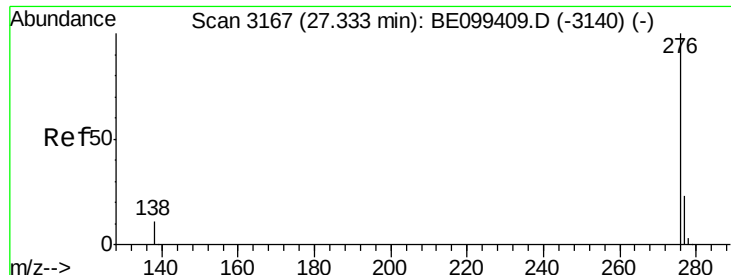
Tot Ion:252 Resp: 41470  
Ion Ratio Lower Upper  
252 100  
253 24.5 18.9 28.3  
125 13.6 6.7 10.1#



#38  
Dibenzo(a,h)anthracene  
Concen: 0.422 ng  
RT: 26.54 min Scan# 2945  
Delta R.T. 0.00 min  
Lab File: BE099492.D  
Acq: 2 May 2019 14:30

Tgt Ion:278 Resp: 41907  
Ion Ratio Lower Upper  
278 100  
139 11.9 7.7 11.5#  
279 24.4 20.2 30.2





#39

Benzo(a,h,i)perylene

Concen: 0.420 ng

RT: 27.34 min Scan# 3169

Delta R.T. 0.01 min

Lab File: BE099492.D

Acq: 2 May 2019 14:30

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

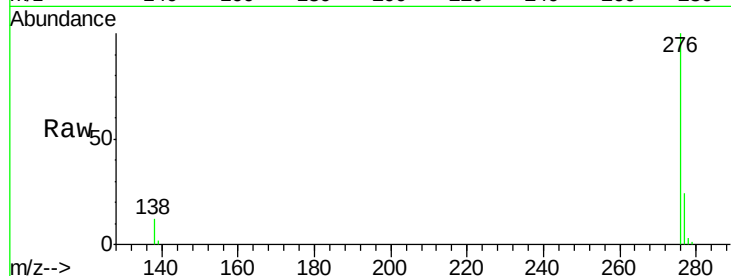
Tot Ion: 276 Resp: 41799

Ion Ratio Lower Upper

276 100

277 24.3 19.5 29.3

138 11.9 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

