

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE041819\  
 Data File : BE099334.D  
 Acq On : 18 Apr 2019 11:41  
 Operator : JU/SJ  
 Sample : SSTDICC1.6  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC1.6

Quant Time: Apr 18 14:02:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 18 13:54:27 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 3832     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.61 | 136  | 14536    | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.46 | 164  | 10863    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.19 | 188  | 29555    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 37484    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.86 | 264  | 32524    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| System Monitoring Compounds |       |     |        |      |    |      |
| 4) 2-Fluorophenol           | 5.39  | 112 | 15159  | 1.49 | ng | 0.00 |
| 5) Phenol-d6                | 6.97  | 99  | 21166  | 1.51 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.96  | 82  | 18530  | 1.86 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.20 | 152 | 41542  | 1.64 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.94 | 330 | 6908   | 1.38 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.09 | 172 | 65456  | 1.53 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.22 | 212 | 575404 | 1.48 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.81 | 244 | 115118 | 1.68 | ng | 0.00 |

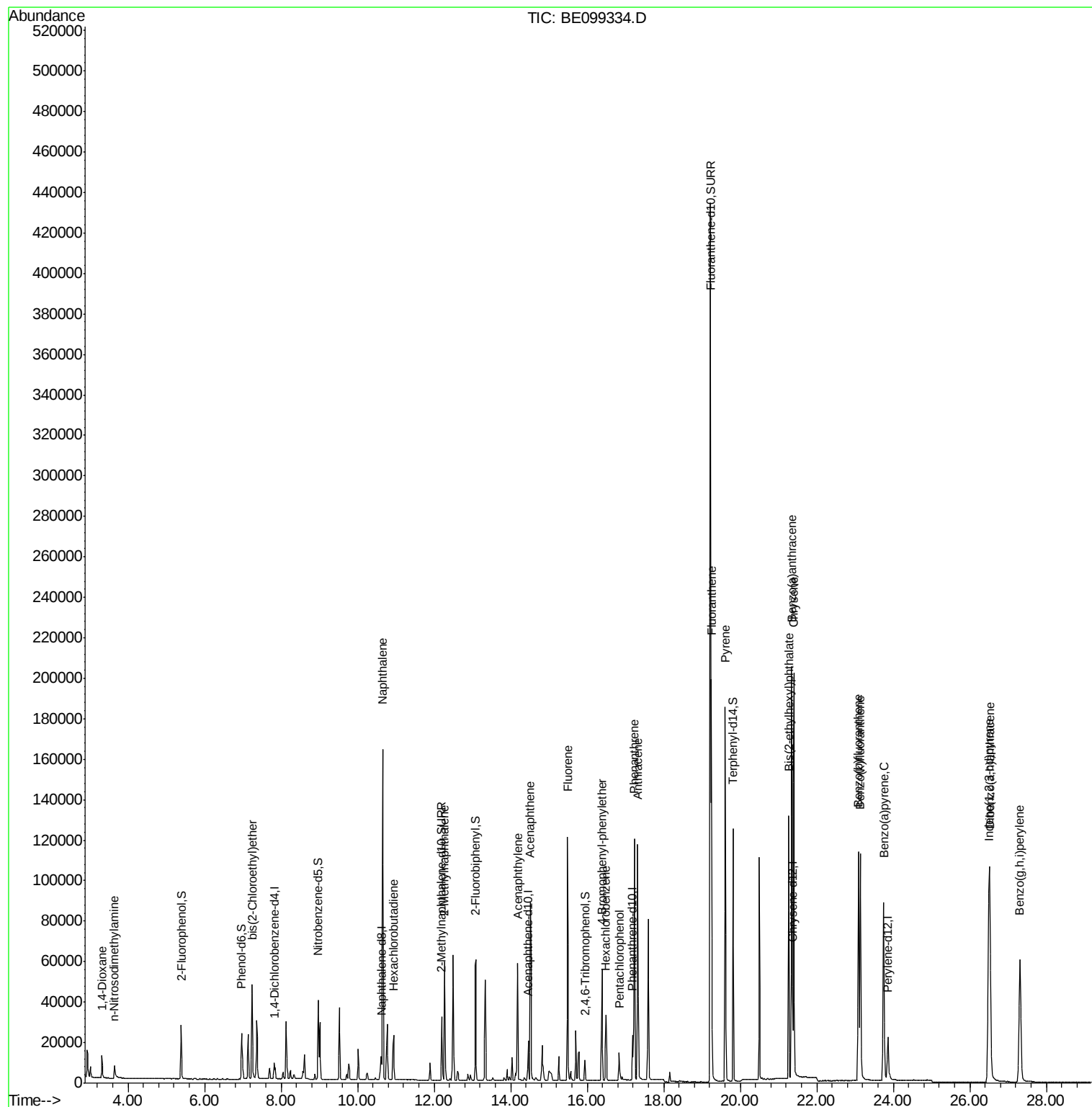
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.32  | 88  | 8318   | 1.593  | ng | 96   |
| 3) n-Nitrosodimethylamine      | 3.64  | 42  | 4740   | 1.538  | ng | # 97 |
| 6) bis(2-Chloroethyl)ether     | 7.24  | 93  | 19918  | 1.587  | ng | 96   |
| 9) Naphthalene                 | 10.65 | 128 | 256753 | 1.624  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.94 | 225 | 15948  | 1.553  | ng | 97   |
| 12) 2-Methylnaphthalene        | 12.27 | 142 | 44367  | 1.649  | ng | 97   |
| 16) Acenaphthylene             | 14.18 | 152 | 77830  | 1.512  | ng | 99   |
| 17) Acenaphthene               | 14.52 | 154 | 46855  | 1.543  | ng | 98   |
| 18) Fluorene                   | 15.49 | 166 | 68515  | 1.562  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.38 | 248 | 26770  | 1.596  | ng | 99   |
| 21) Hexachlorobenzene          | 16.49 | 284 | 25546  | 1.600  | ng | 98   |
| 22) Pentachlorophenol          | 16.84 | 266 | 7706   | 1.162  | ng | 92   |
| 23) Phenanthrene               | 17.23 | 178 | 124771 | 1.631  | ng | 99   |
| 24) Anthracene                 | 17.32 | 178 | 115393 | 1.600  | ng | 99   |
| 26) Fluoranthene               | 19.25 | 202 | 172541 | 1.529  | ng | 99   |
| 28) Pyrene                     | 19.61 | 202 | 171859 | 1.736  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.34 | 228 | 172665 | 1.463  | ng | 99   |
| 31) Chrysene                   | 21.40 | 228 | 185775 | 1.605  | ng | 100  |
| 32) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 152874 | 1.016  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.49 | 276 | 179616 | 1.358  | ng | 100  |
| 35) Benzo(b)fluoranthene       | 23.09 | 252 | 159945 | 1.648  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 23.14 | 252 | 161881 | 1.714  | ng | 99   |
| 37) Benzo(a)pyrene             | 23.74 | 252 | 143539 | 1.573  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 26.52 | 278 | 147627 | 1.627  | ng | 98   |
| 39) Benzo(g,h,i)perylene       | 27.31 | 276 | 149576 | 1.654  | ng | 98   |

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

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QLast Update : Thu Apr 18 13:54:27 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

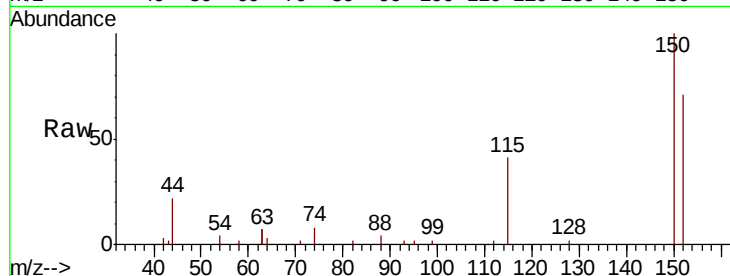
Tot Ion:152 Resp: 3832

Ion Ratio Lower Upper

152 100

150 140.9 119.5 179.3

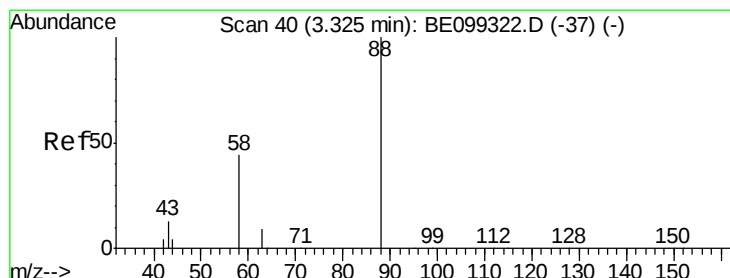
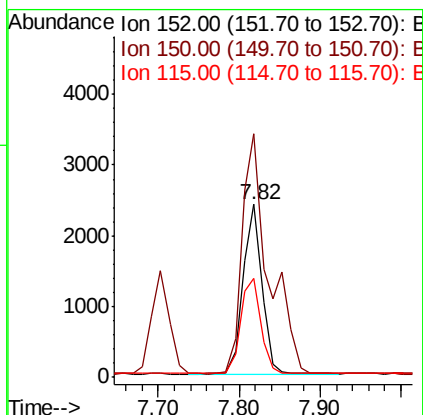
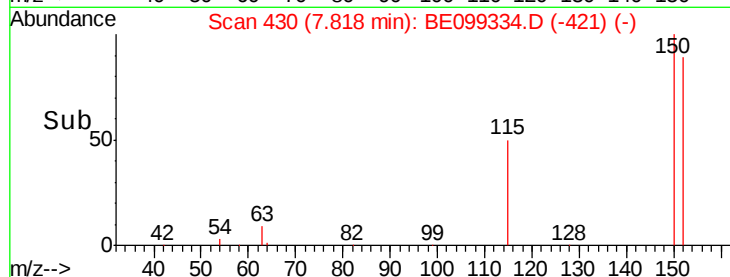
115 57.6 47.5 71.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 1.593 ng

RT: 3.32 min Scan# 39

Delta R.T. -0.01 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

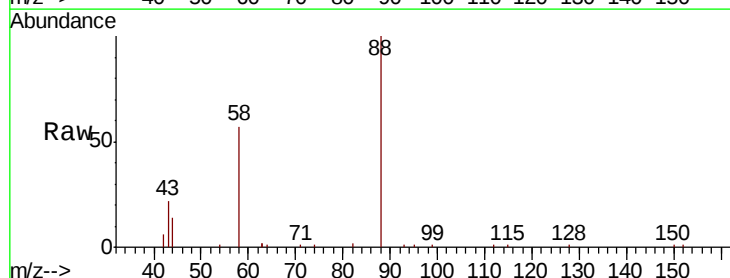
Tgt Ion: 88 Resp: 8318

Ion Ratio Lower Upper

88 100

58 58.2 49.1 73.7

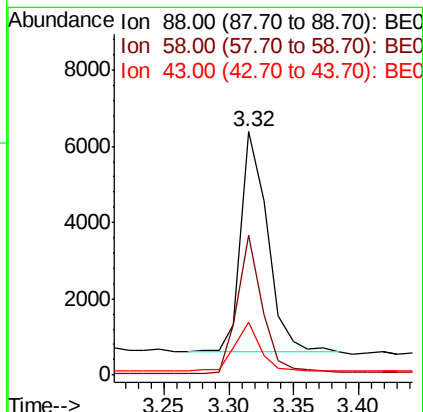
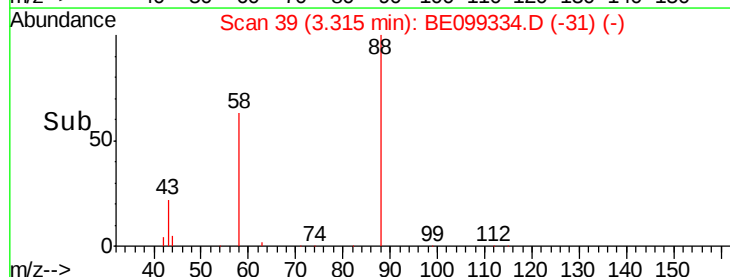
43 20.7 17.9 26.9

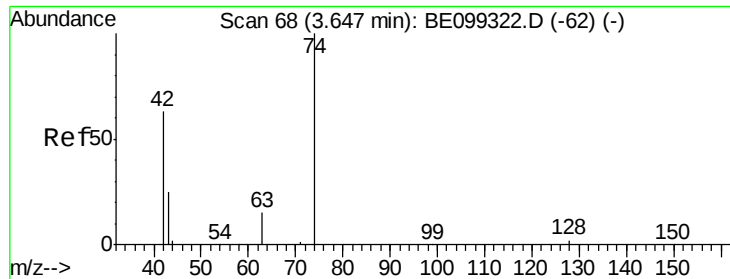


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 1.538 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.02 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

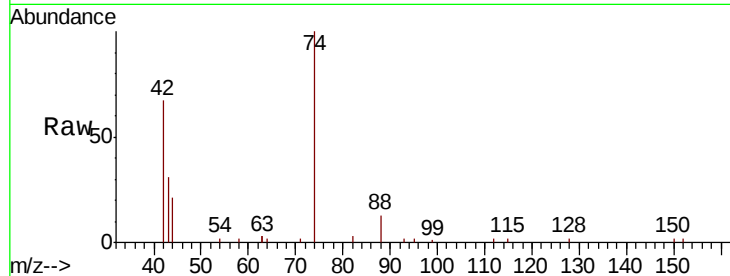
Tot Ion: 42 Resp: 4740

Ion Ratio Lower Upper

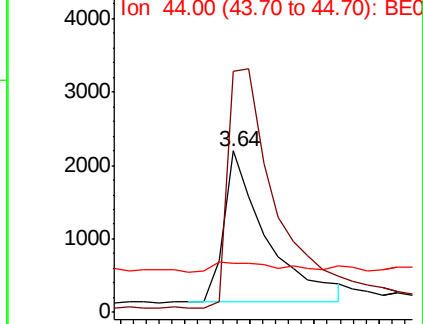
42 100

74 180.0 145.8 218.8

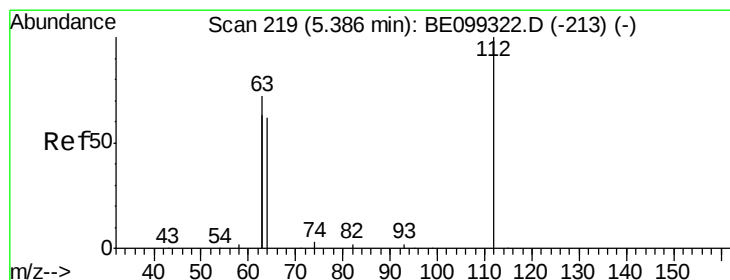
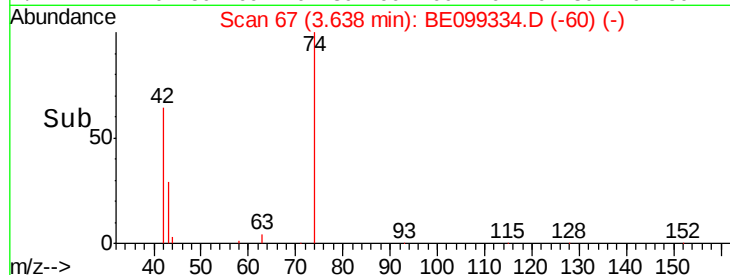
44 0.0 9.0 13.4#



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



Time-->



#4

2-Fluorophenol

Concen: 1.489 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

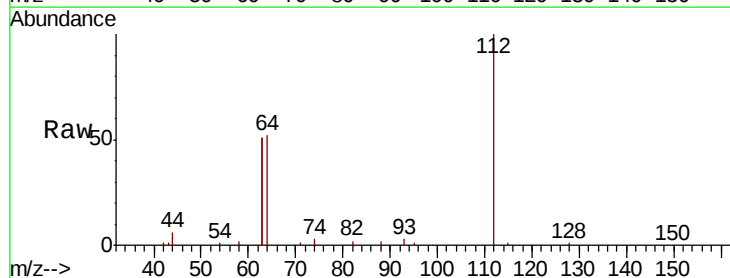
Tgt Ion: 112 Resp: 15159

Ion Ratio Lower Upper

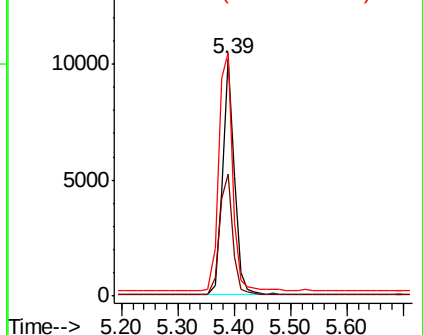
112 100

64 56.4 44.9 67.3

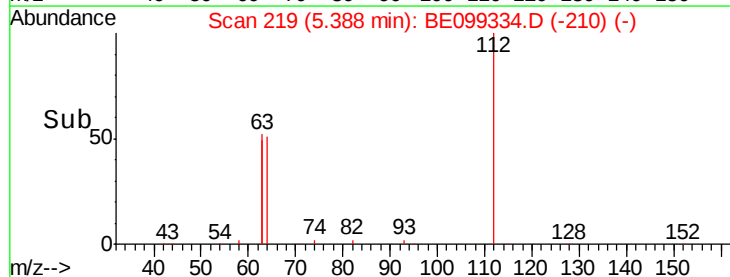
63 116.7 97.4 146.0

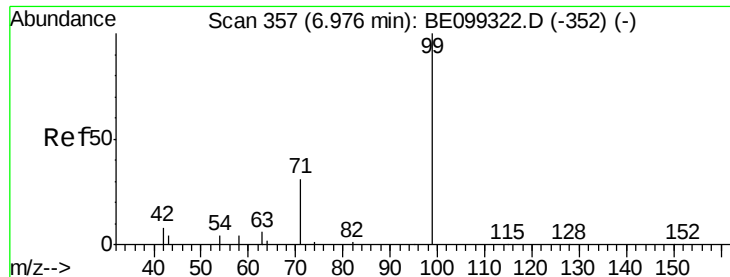


Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 1.512 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

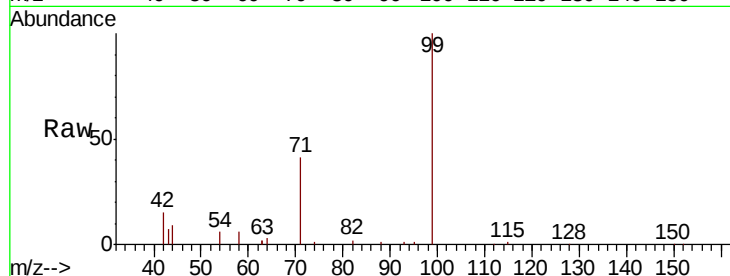
Tot Ion: 99 Resp: 21166

Ion Ratio Lower Upper

99 100

42 14.9 11.7 17.5

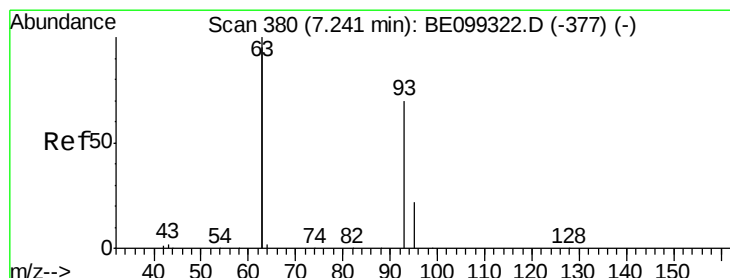
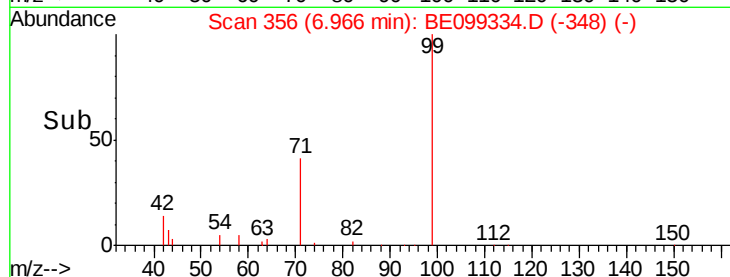
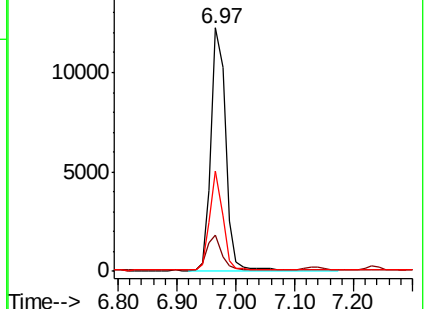
71 36.8 29.6 44.4



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: 1.587 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

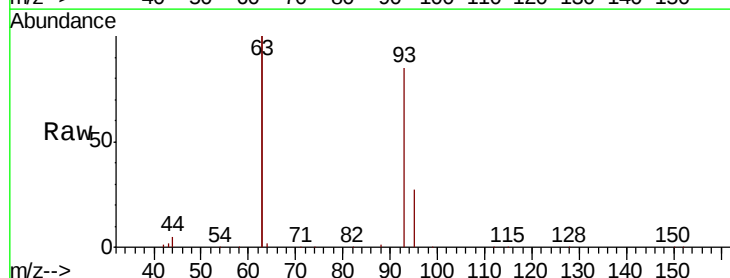
Tgt Ion: 93 Resp: 19918

Ion Ratio Lower Upper

93 100

63 278.9 216.6 324.8

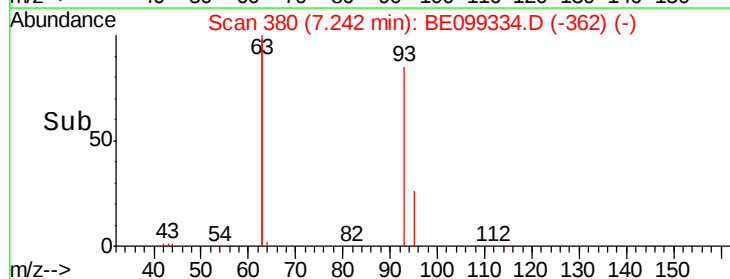
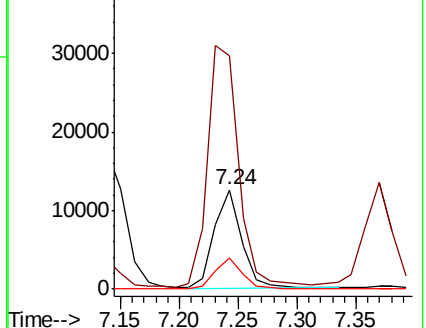
95 31.0 25.8 38.6

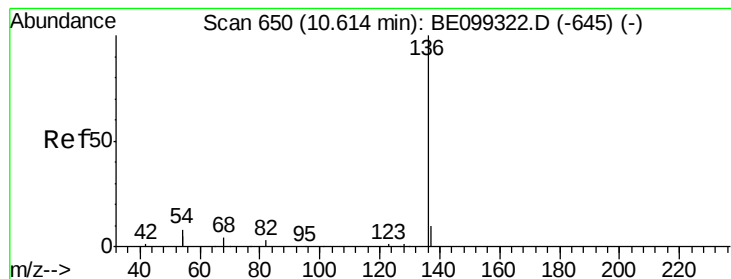


Abundance Ion 93.00 (92.70 to 93.70): BE0

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. 0.01 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

Tot Ion:136 Resp: 14536

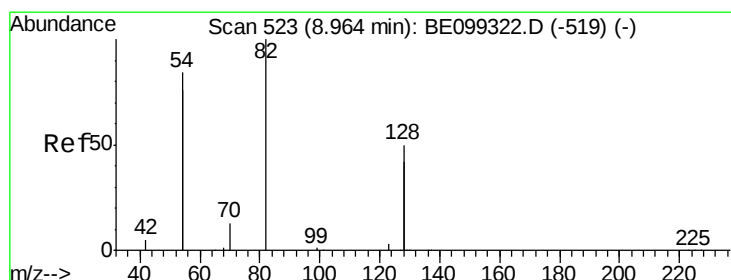
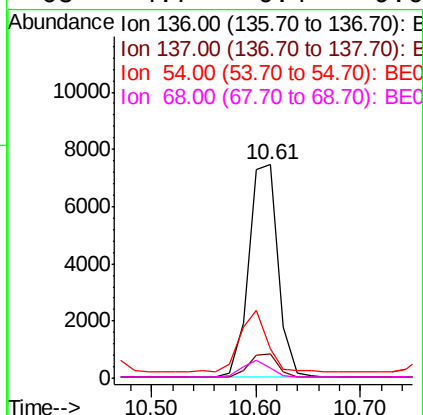
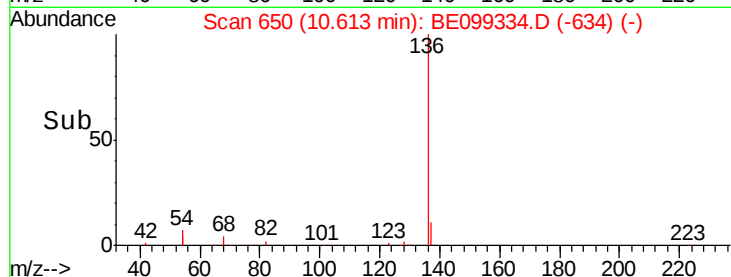
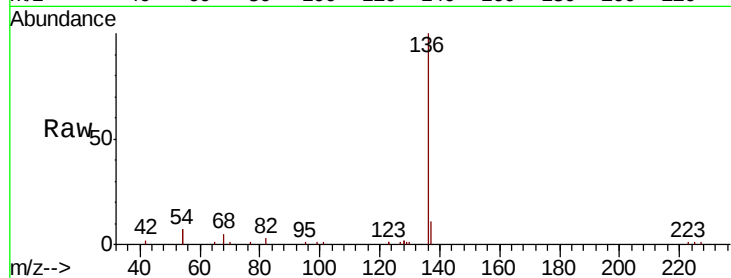
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 13.5 23.8 35.8#

68 4.7 6.4 9.6#



#8

Nitrobenzene-d5

Concen: 1.857 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

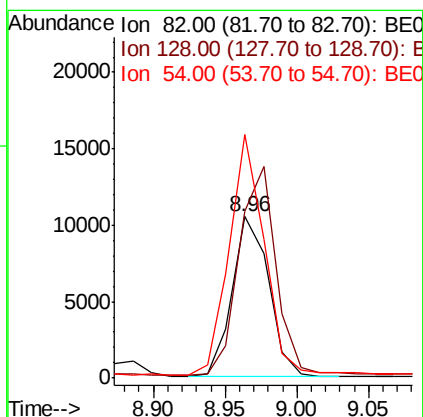
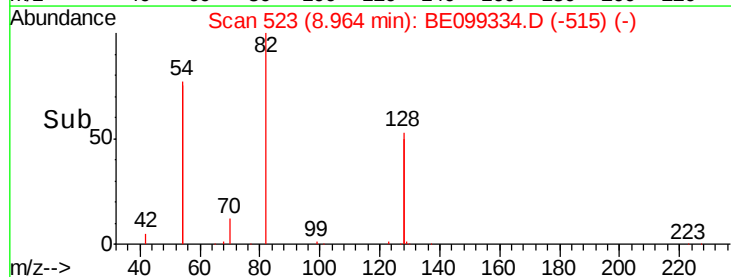
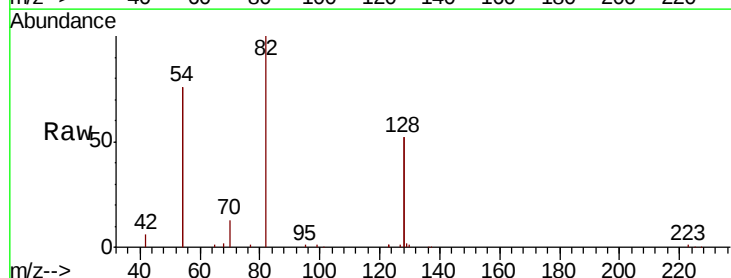
Tgt Ion: 82 Resp: 18530

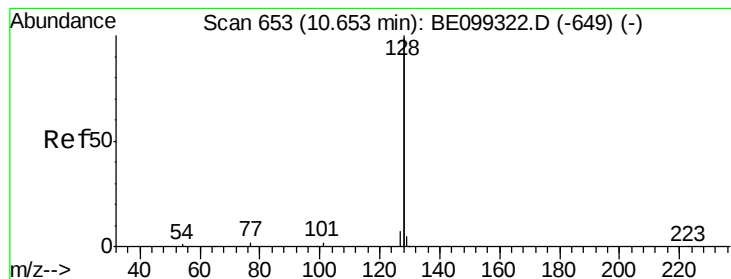
Ion Ratio Lower Upper

82 100

128 103.6 91.7 137.5

54 151.1 122.8 184.2





#9

Naphthalene

Concen: 1.624 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

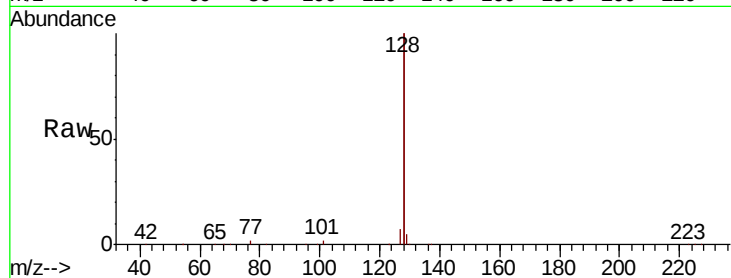
Tot Ion:128 Resp: 256753

Ion Ratio Lower Upper

128 100

129 2.7 2.3 3.5

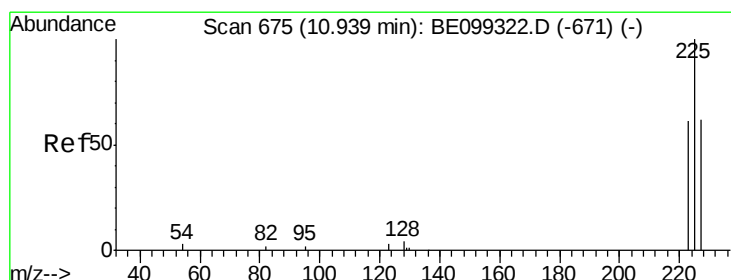
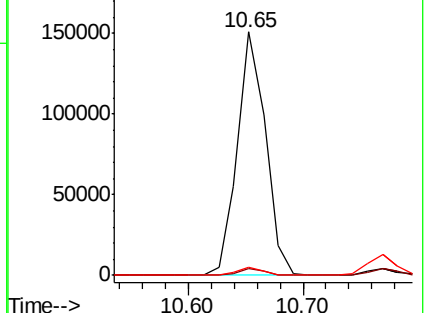
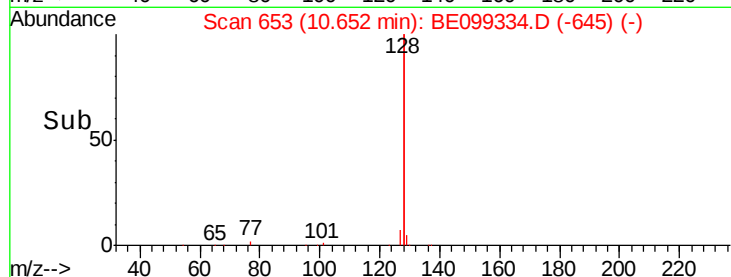
127 3.4 2.8 4.2



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: 1.553 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

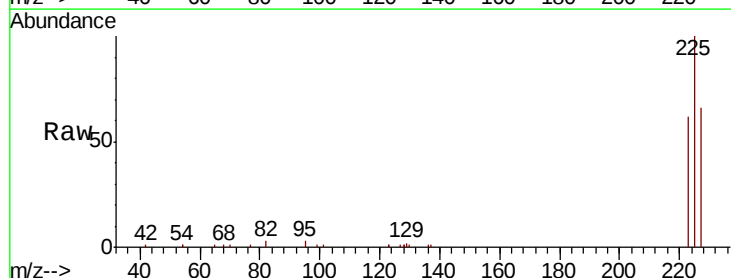
Tgt Ion:225 Resp: 15948

Ion Ratio Lower Upper

225 100

223 64.1 50.3 75.5

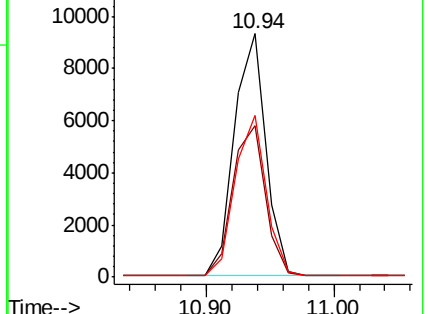
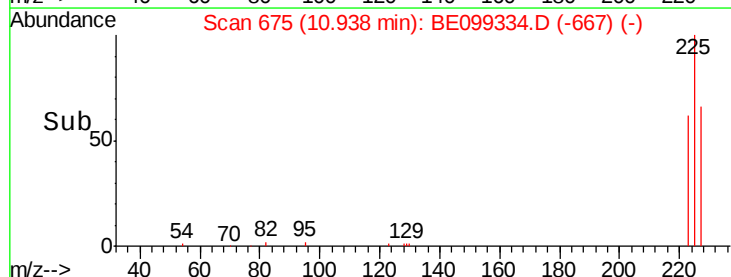
227 65.4 49.4 74.0

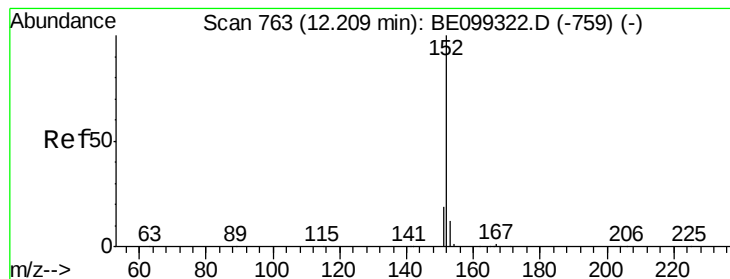


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 1.637 ng

RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

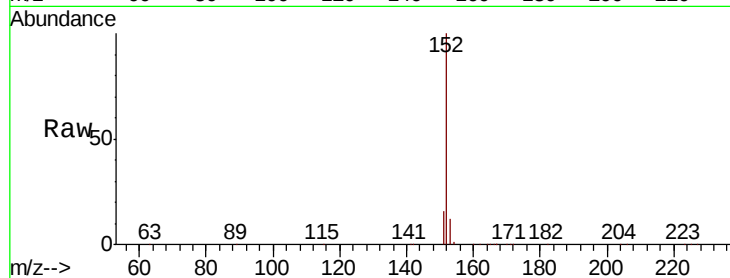
SSTDICC1.6

Tot Ion:152 Resp: 41542

Ion Ratio Lower Upper

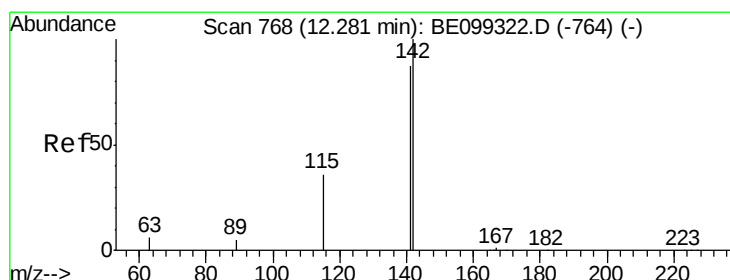
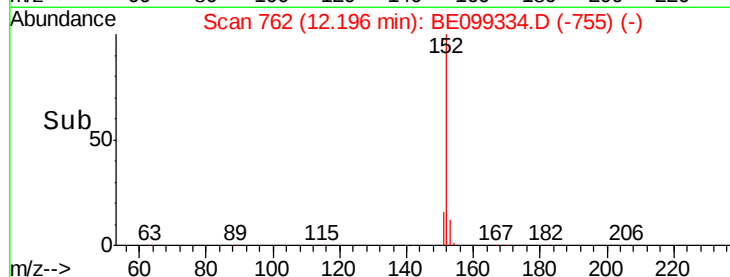
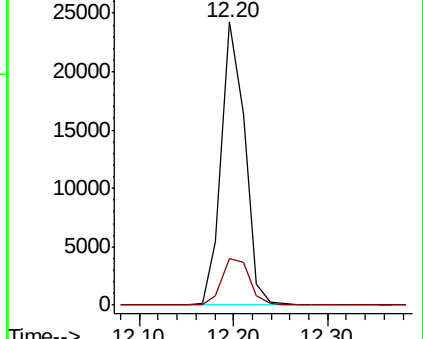
152 100

151 19.2 14.9 22.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 1.649 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

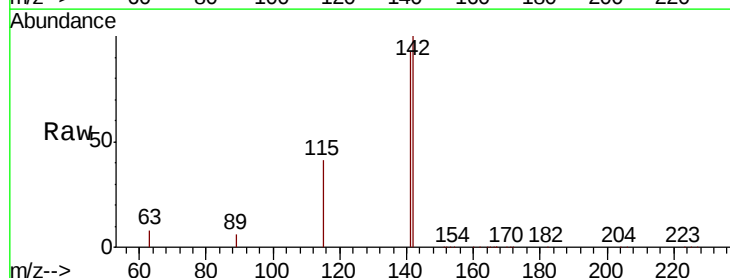
Tgt Ion:142 Resp: 44367

Ion Ratio Lower Upper

142 100

141 93.0 72.0 108.0

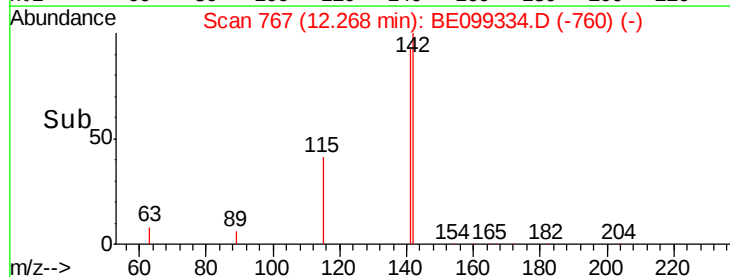
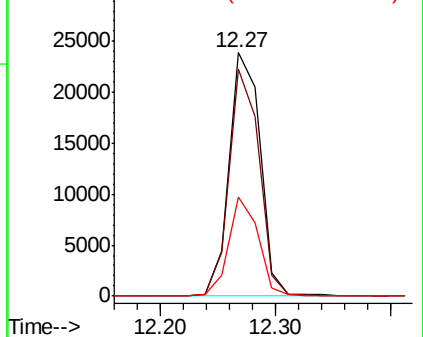
115 40.8 33.4 50.0

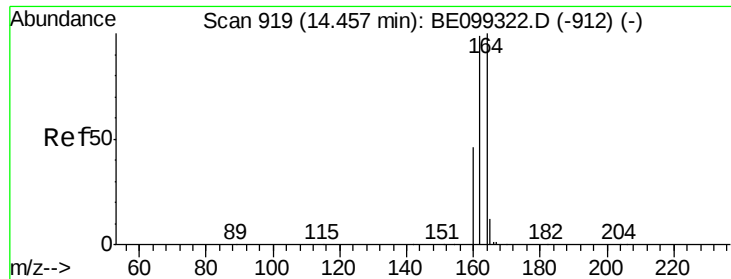


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

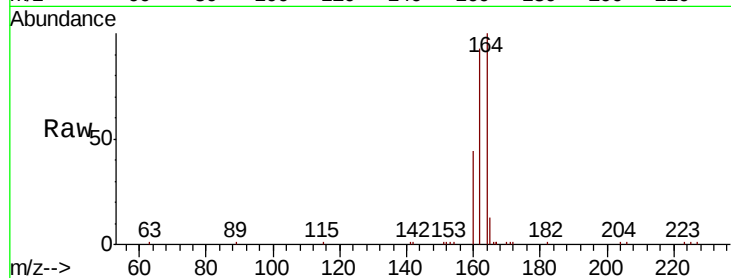




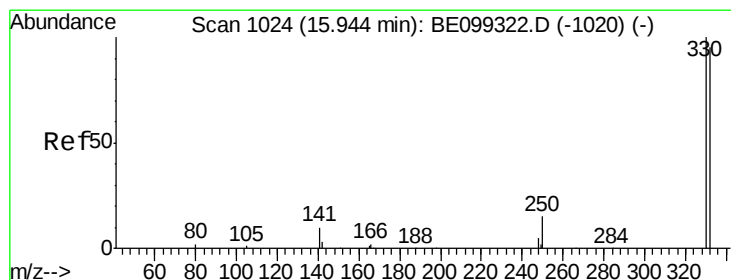
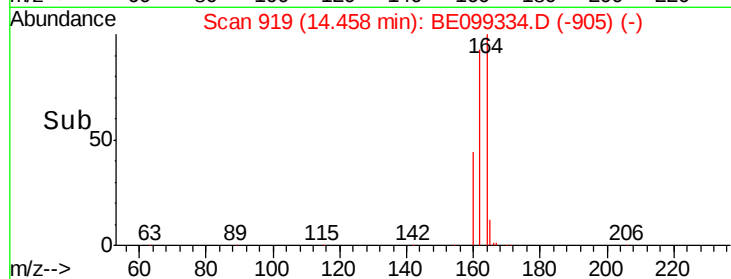
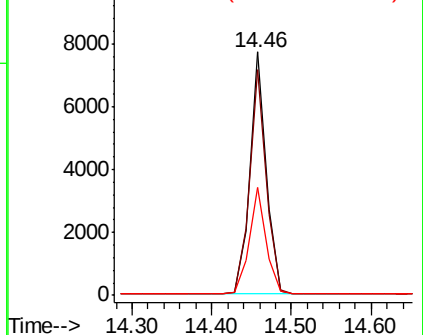
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.46 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: BE099334.D  
Acq: 18 Apr 2019 11:41

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

Tot Ion:164 Resp: 10863  
Ion Ratio Lower Upper  
164 100  
162 92.8 77.8 116.6  
160 44.4 37.1 55.7

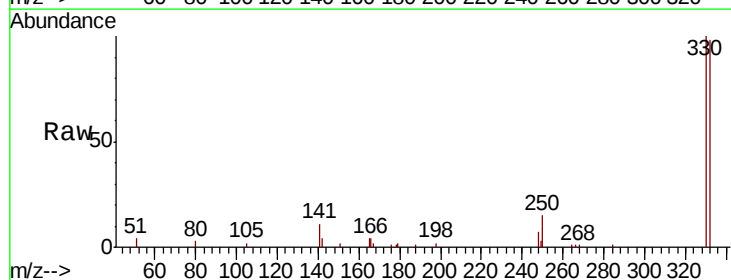


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

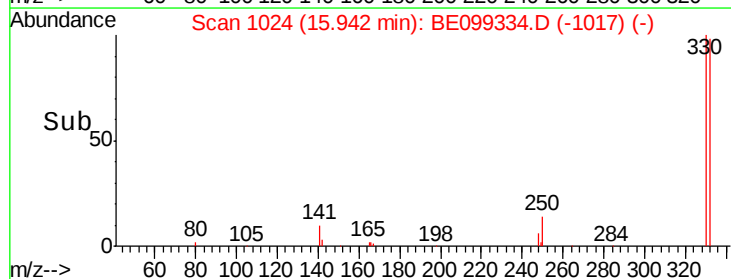
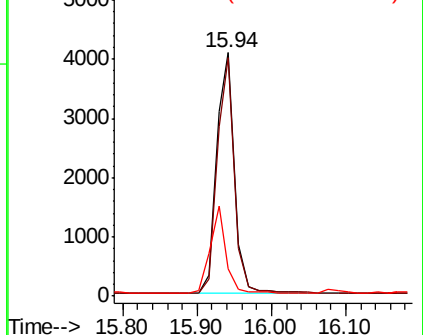


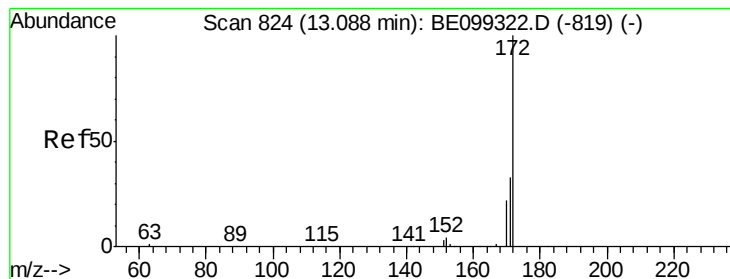
#14  
2,4,6-Tribromophenol  
Concen: 1.380 ng  
RT: 15.94 min Scan# 1024  
Delta R.T. -0.00 min  
Lab File: BE099334.D  
Acq: 18 Apr 2019 11:41

Tgt Ion:330 Resp: 6908  
Ion Ratio Lower Upper  
330 100  
332 94.4 82.5 123.7  
141 31.4 24.9 37.3



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

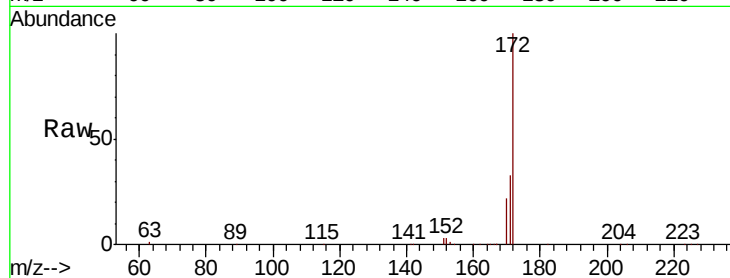




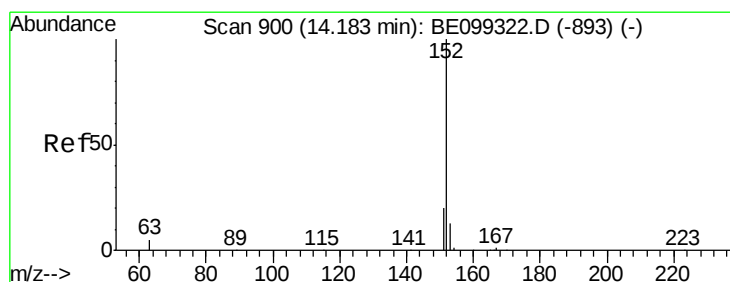
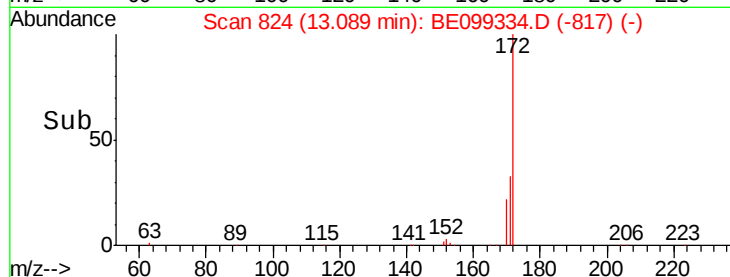
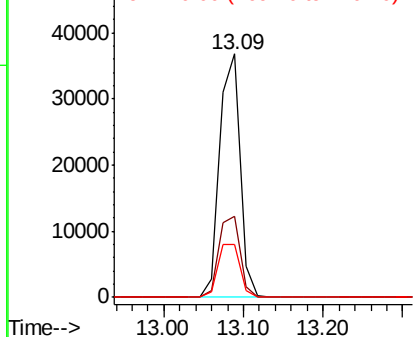
#15  
 2-Fluorobiphenyl  
 Concen: 1.533 ng  
 RT: 13.09 min Scan# 824  
 Delta R.T. 0.00 min  
 Lab File: BE099334.D  
 Acq: 18 Apr 2019 11:41

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC1.6

Tot Ion:172 Resp: 65456  
 Ion Ratio Lower Upper  
 172 100  
 171 33.2 26.2 39.2  
 170 21.8 18.1 27.1

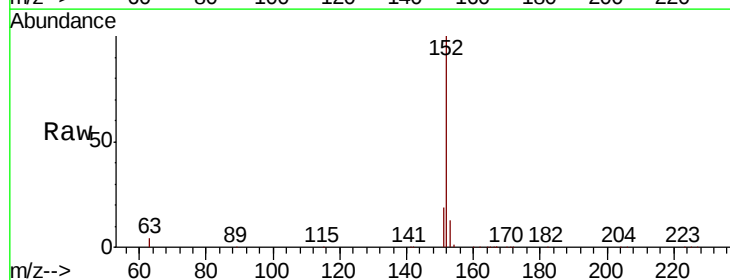


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

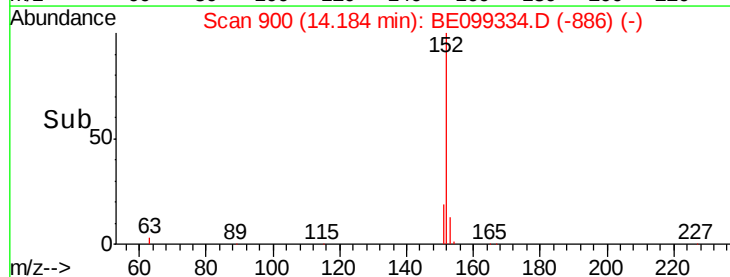
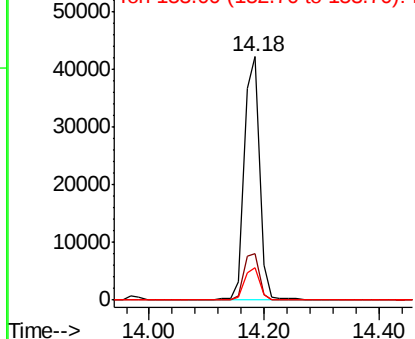


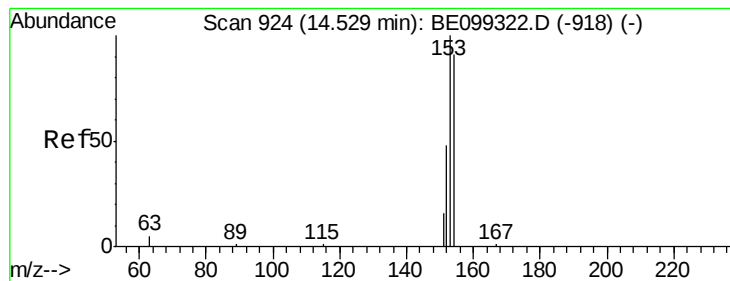
#16  
 Acenaphthylene  
 Concen: 1.512 ng  
 RT: 14.18 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: BE099334.D  
 Acq: 18 Apr 2019 11:41

Tgt Ion:152 Resp: 77830  
 Ion Ratio Lower Upper  
 152 100  
 151 19.7 15.5 23.3  
 153 13.1 10.2 15.4



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: 1.543 ng

RT: 14.52 min Scan# 923

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

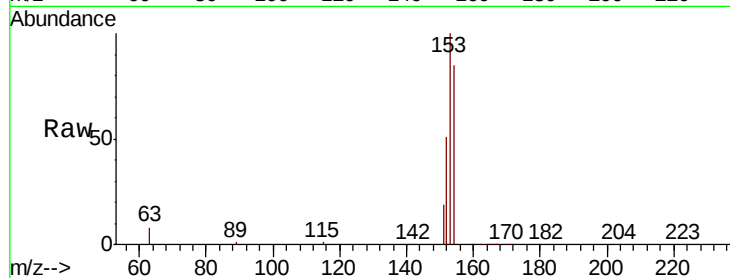
Tot Ion:154 Resp: 46855

Ion Ratio Lower Upper

154 100

153 115.2 94.7 142.1

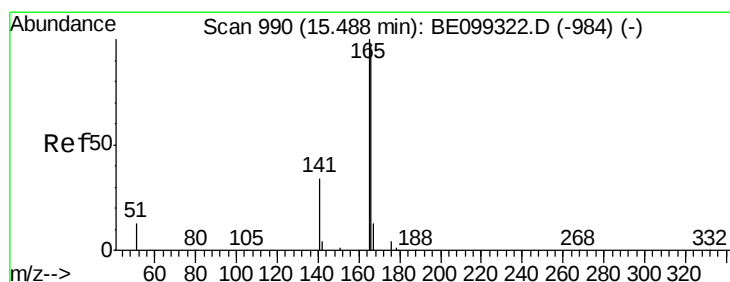
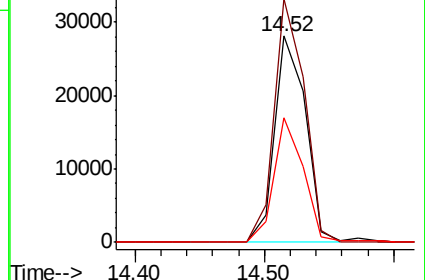
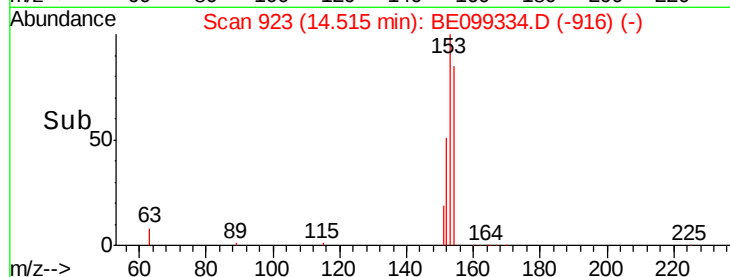
152 57.0 46.4 69.6



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: 1.562 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

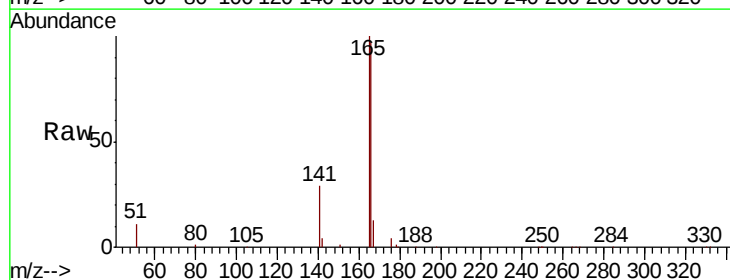
Tgt Ion:166 Resp: 68515

Ion Ratio Lower Upper

166 100

165 100.5 79.7 119.5

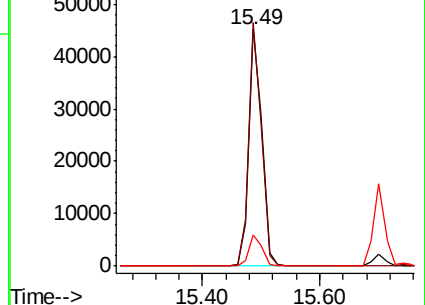
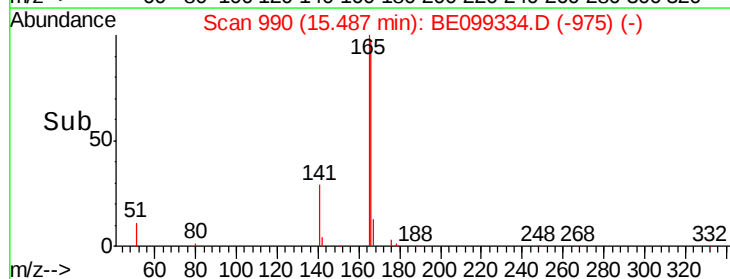
167 13.3 11.0 16.4

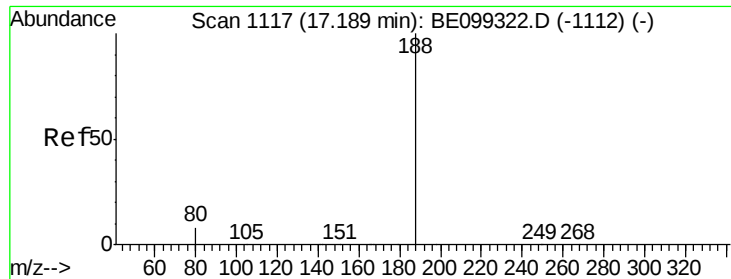


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

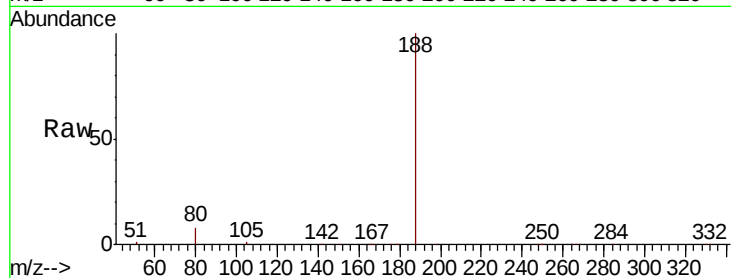
Tot Ion:188 Resp: 29555

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

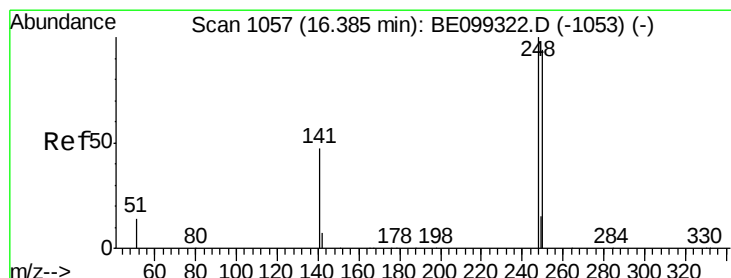
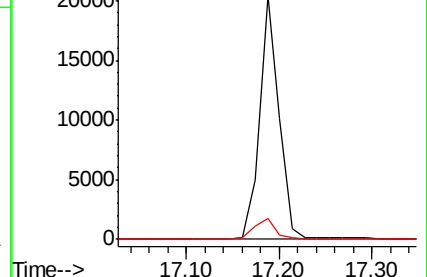
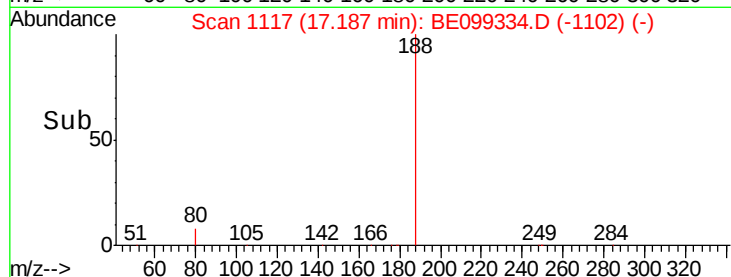
80 8.5 6.2 9.4



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: 1.596 ng

RT: 16.38 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

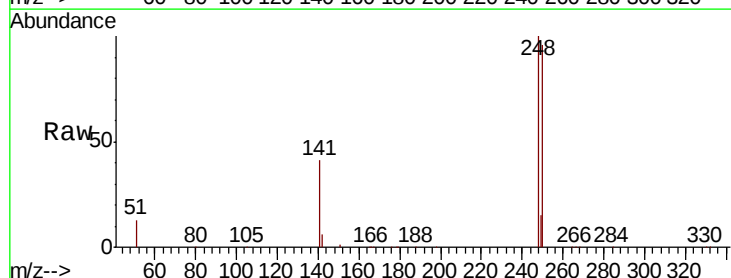
Tgt Ion:248 Resp: 26770

Ion Ratio Lower Upper

248 100

250 96.1 77.0 115.6

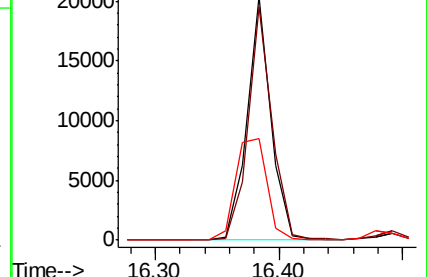
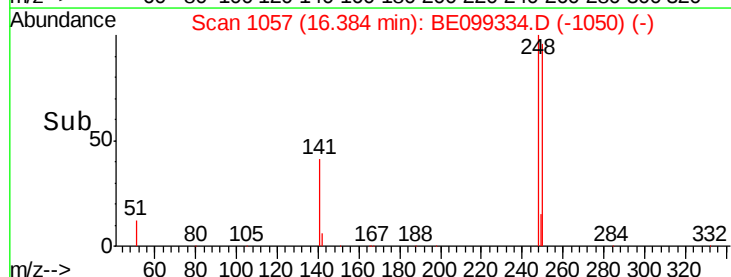
141 41.5 31.1 46.7

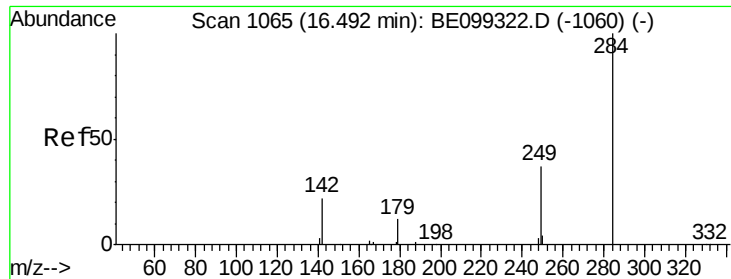


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 1.600 ng

RT: 16.49 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

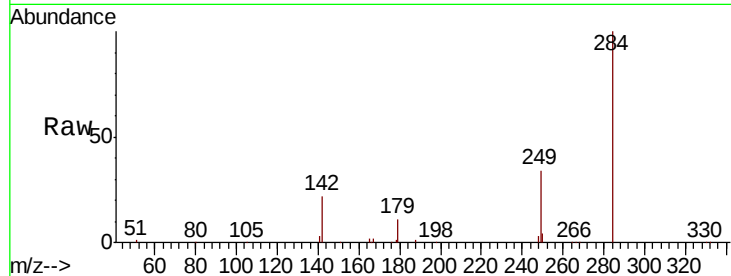
Tot Ion:284 Resp: 25546

Ion Ratio Lower Upper

284 100

142 28.8 21.8 32.6

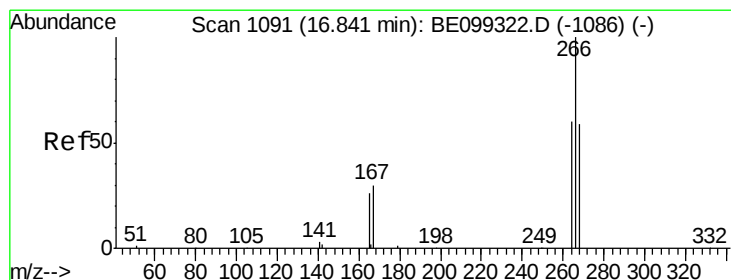
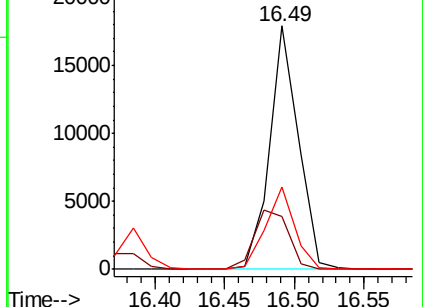
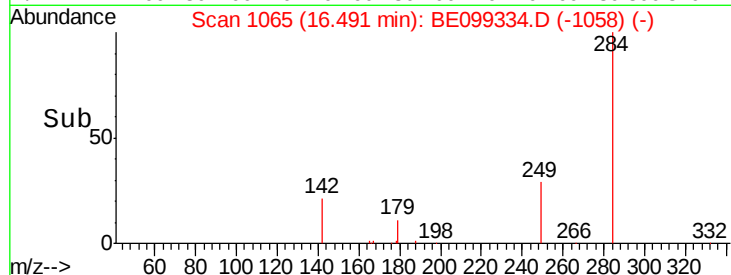
249 33.5 26.2 39.4



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: 1.162 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

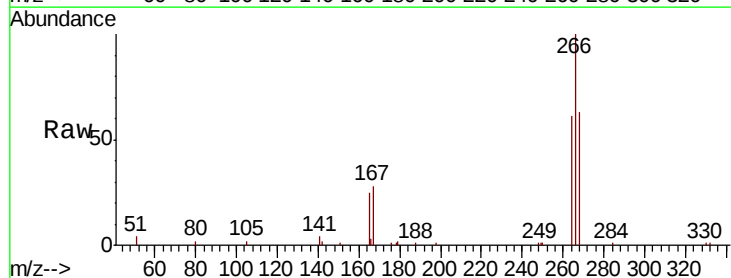
Tgt Ion:266 Resp: 7706

Ion Ratio Lower Upper

266 100

264 60.9 54.5 81.7

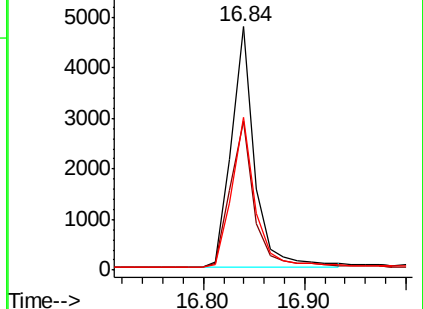
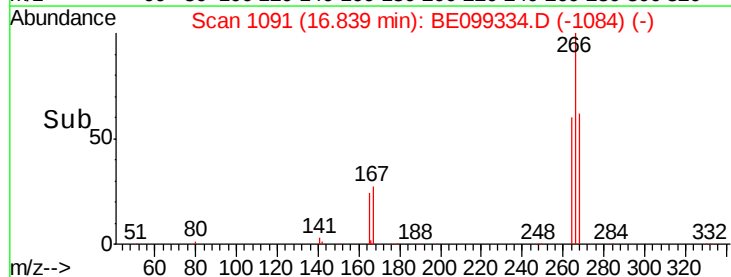
268 62.8 54.3 81.5

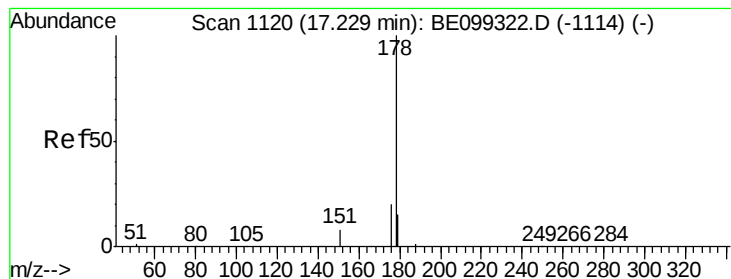


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.631 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

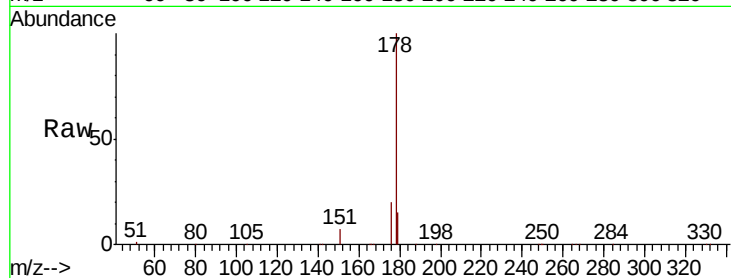
Tot Ion:178 Resp: 124771

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

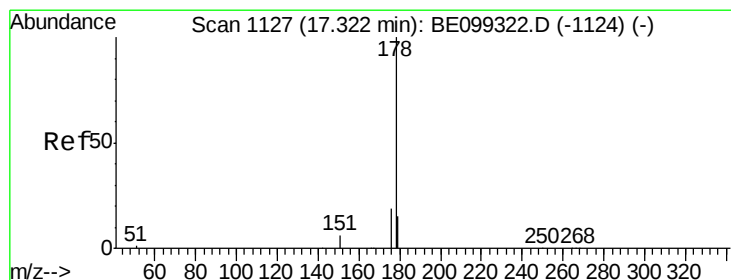
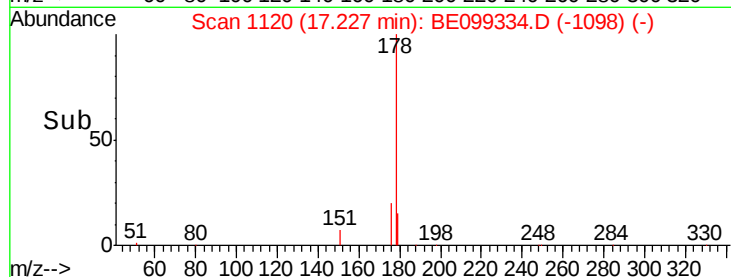
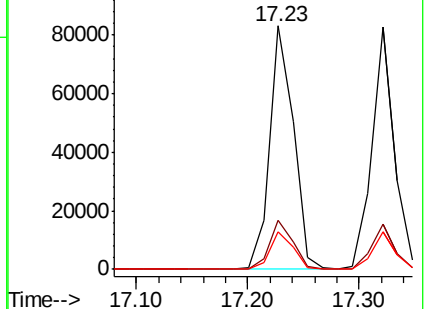
179 15.0 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 1.600 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

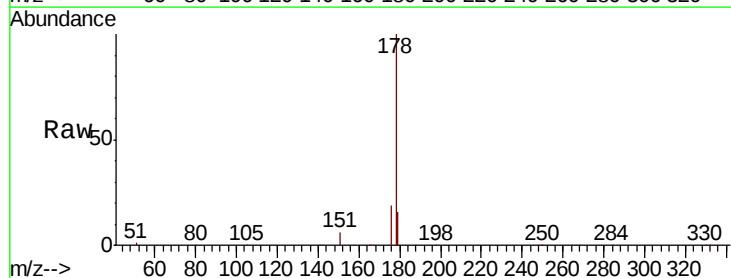
Tgt Ion:178 Resp: 115393

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

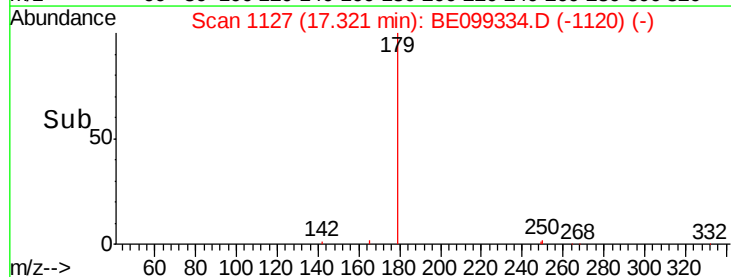
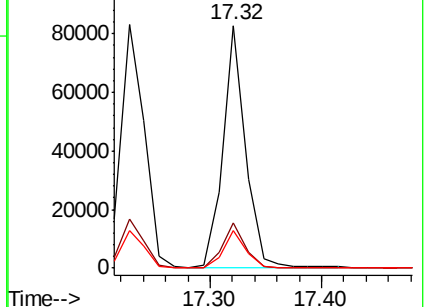
179 15.3 11.9 17.9

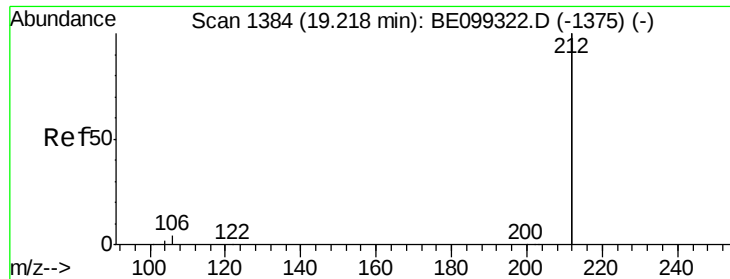


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 1.475 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

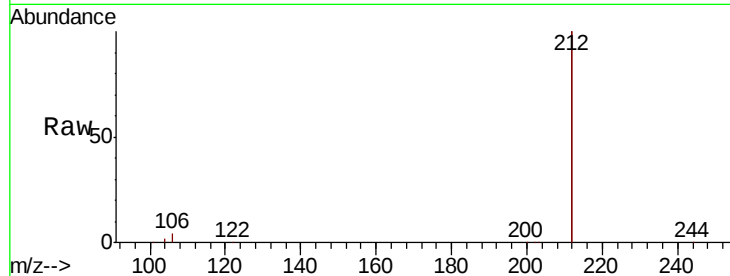
Tot Ion:212 Resp: 575404

Ion Ratio Lower Upper

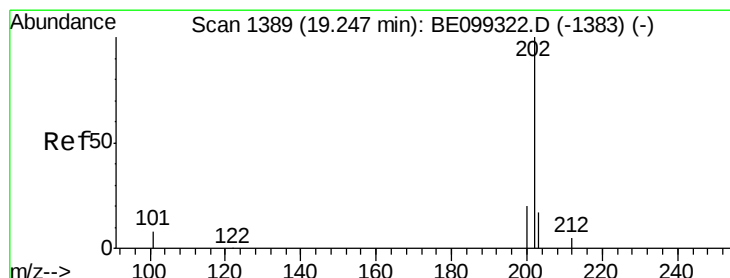
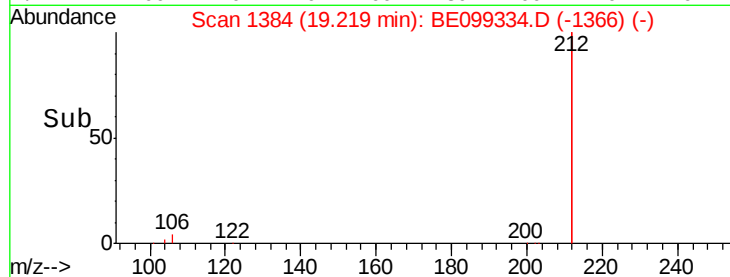
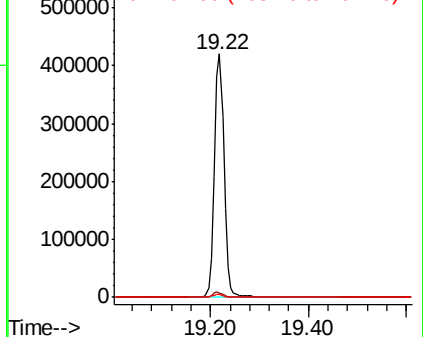
212 100

106 2.2 1.8 2.6

104 1.2 1.0 1.4



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: 1.529 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

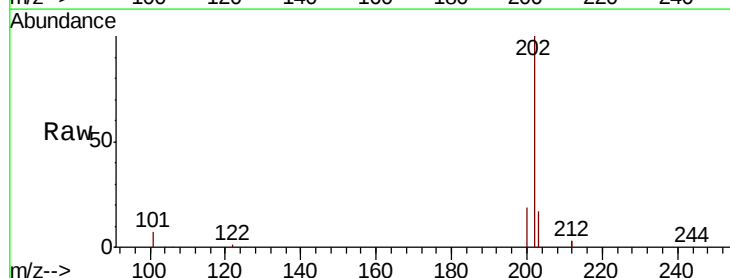
Tgt Ion:202 Resp: 172541

Ion Ratio Lower Upper

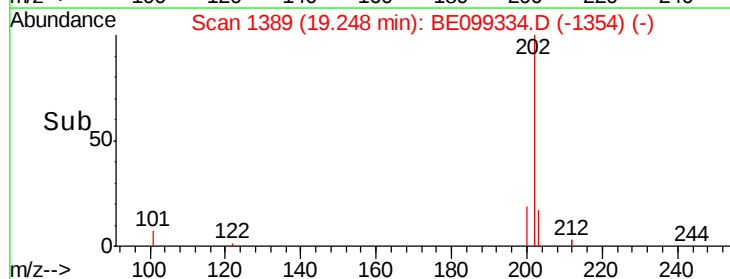
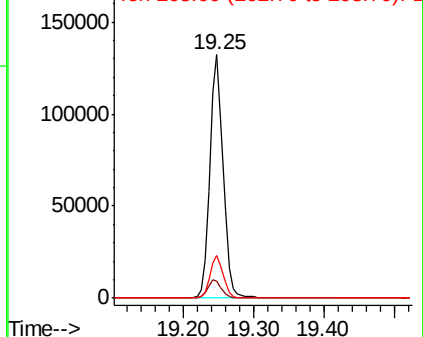
202 100

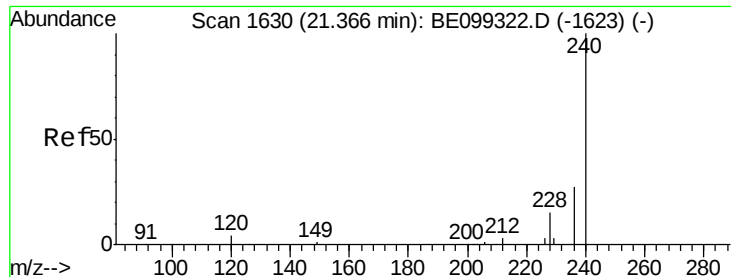
101 7.9 6.4 9.6

203 17.2 13.5 20.3



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

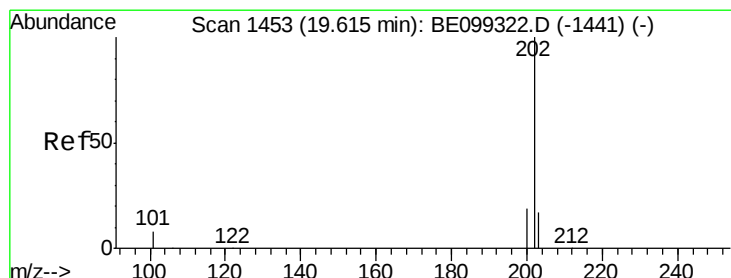
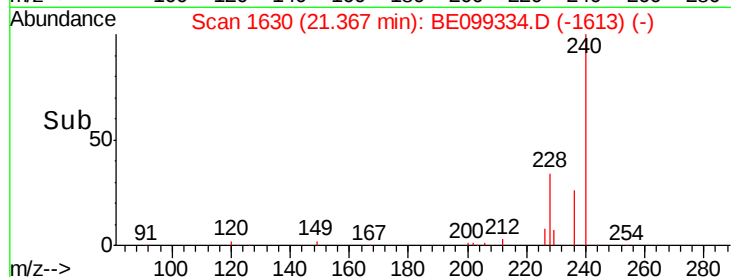
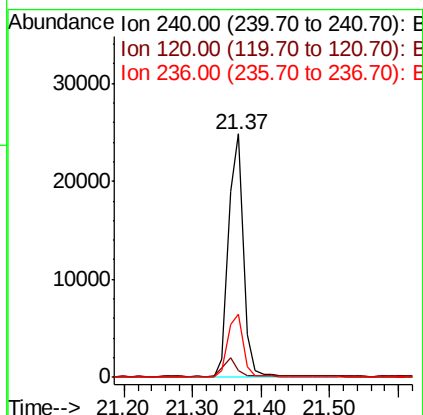
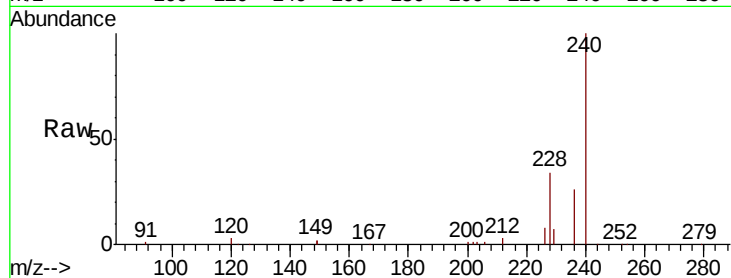




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.37 min Scan# 1630  
Delta R.T. 0.00 min  
Lab File: BE099334.D  
Acq: 18 Apr 2019 11:41

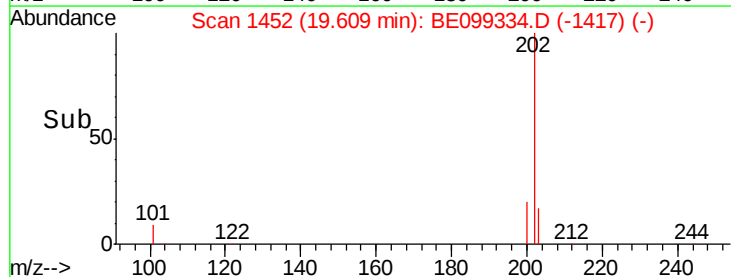
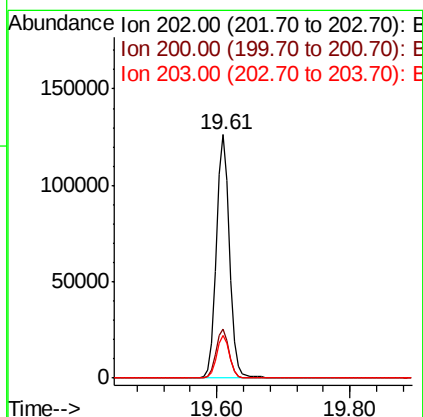
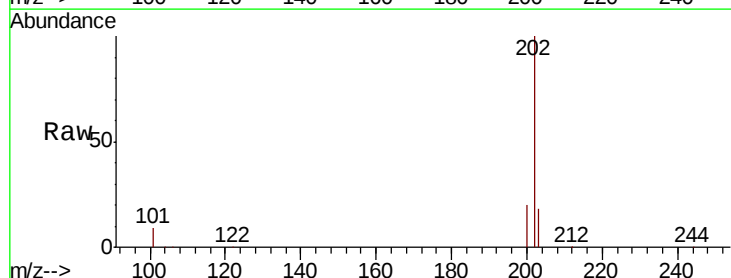
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

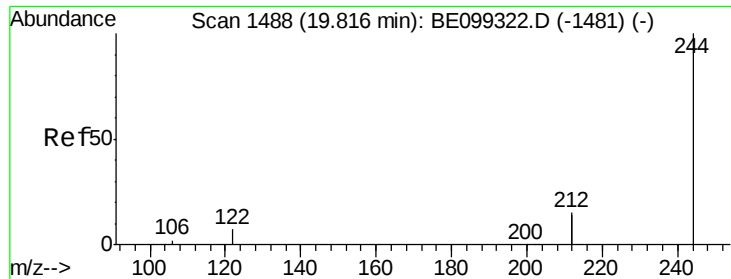
Tot Ion:240 Resp: 37484  
Ion Ratio Lower Upper  
240 100  
120 2.7 2.2 3.2  
236 25.8 20.2 30.4



#28  
Pyrene  
Concen: 1.736 ng  
RT: 19.61 min Scan# 1452  
Delta R.T. 0.00 min  
Lab File: BE099334.D  
Acq: 18 Apr 2019 11:41

Tgt Ion:202 Resp: 171859  
Ion Ratio Lower Upper  
202 100  
200 19.9 15.7 23.5  
203 17.5 13.7 20.5





#29

Terphenyl-d14

Concen: 1.683 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

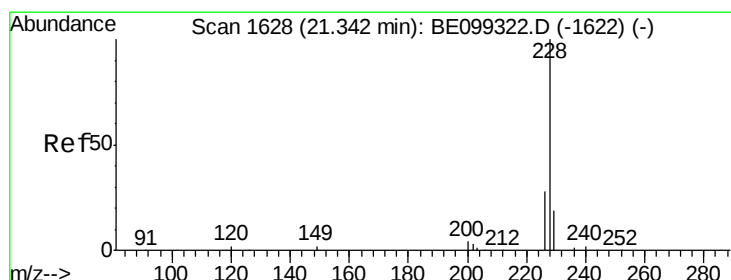
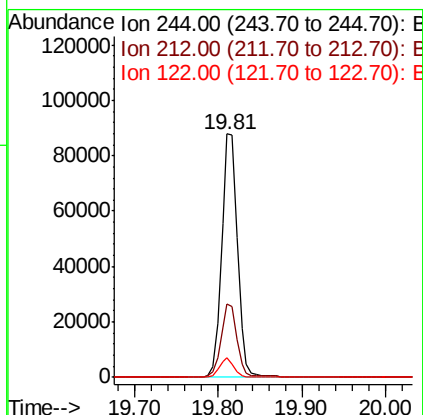
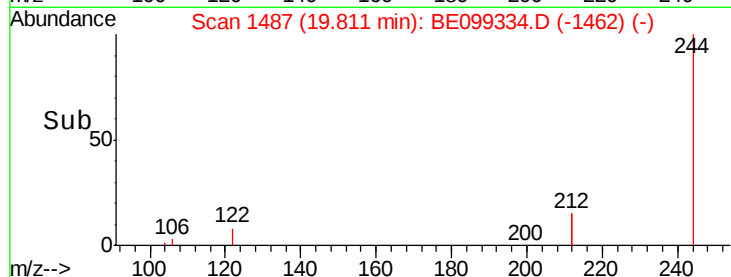
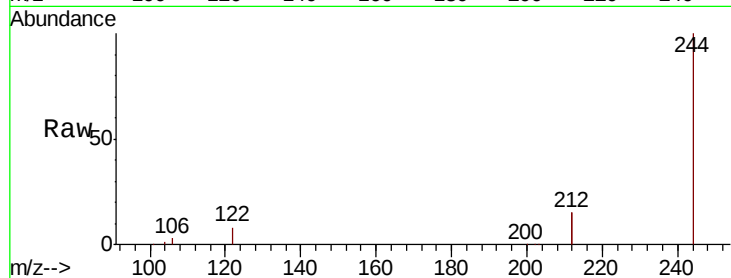
Tot Ion:244 Resp: 115118

Ion Ratio Lower Upper

244 100

212 30.2 22.6 33.8

122 7.9 4.6 7.0#



#30

Benzo(a)anthracene

Concen: 1.463 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

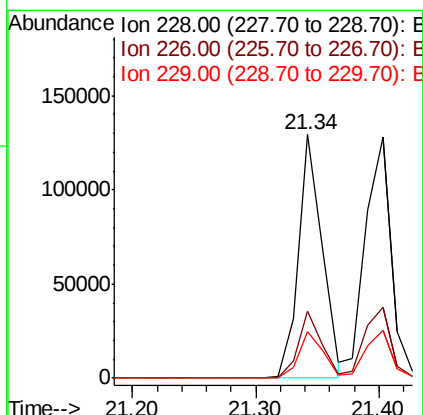
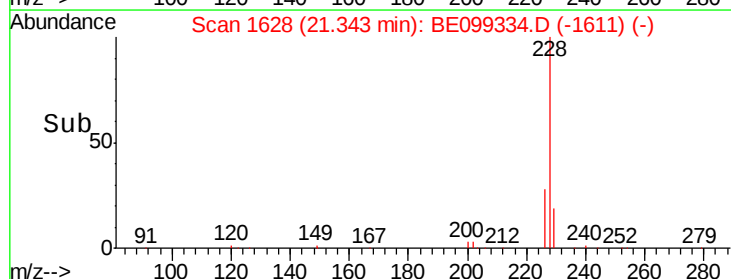
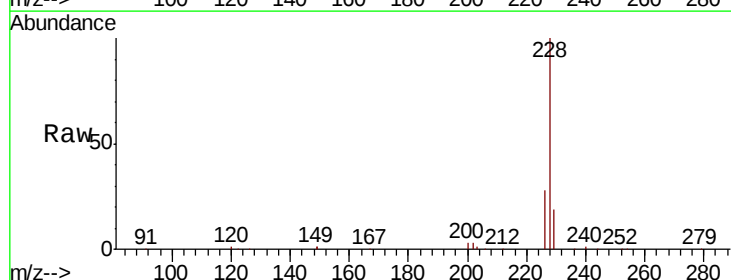
Tgt Ion:228 Resp: 172665

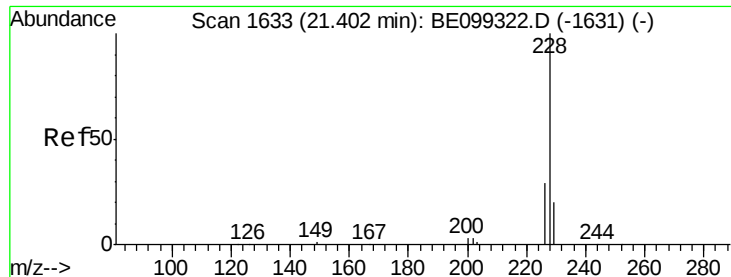
Ion Ratio Lower Upper

228 100

226 27.7 22.0 33.0

229 19.1 15.8 23.8





#31

Chrysene

Concen: 1.605 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

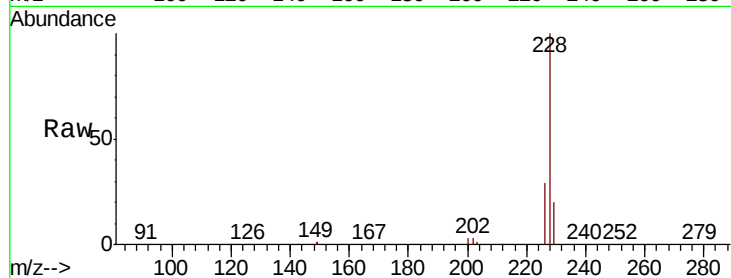
Tot Ion:228 Resp: 185775

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.2

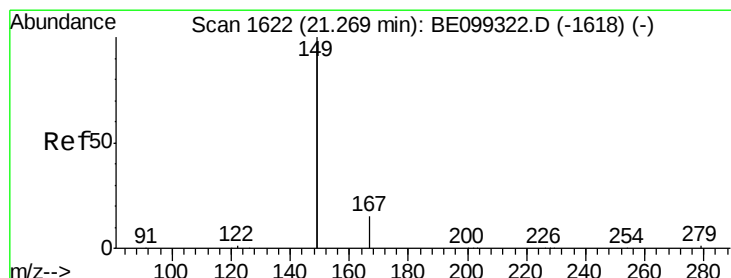
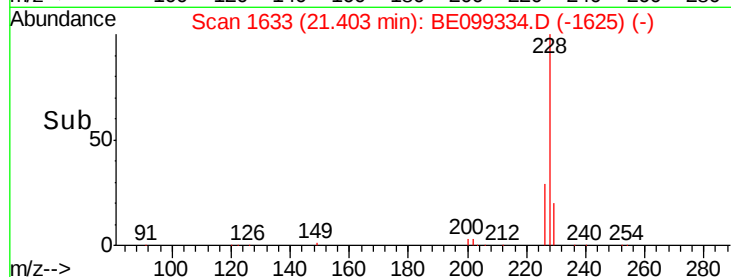
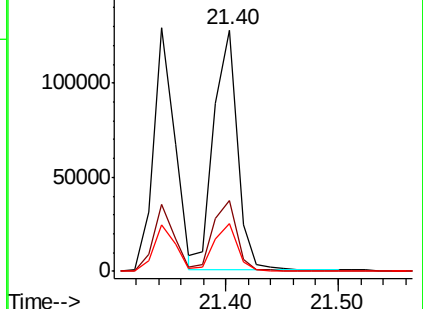
229 19.8 16.2 24.2



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: 1.016 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

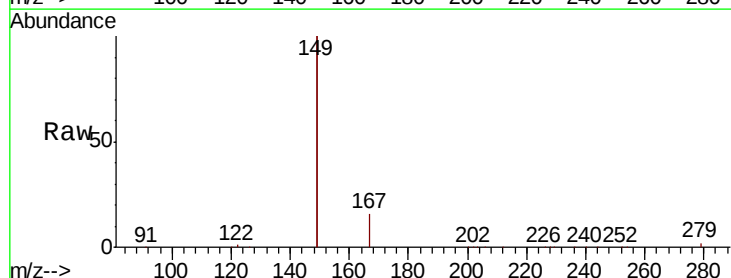
Tgt Ion:149 Resp: 152874

Ion Ratio Lower Upper

149 100

167 7.4 6.0 9.0

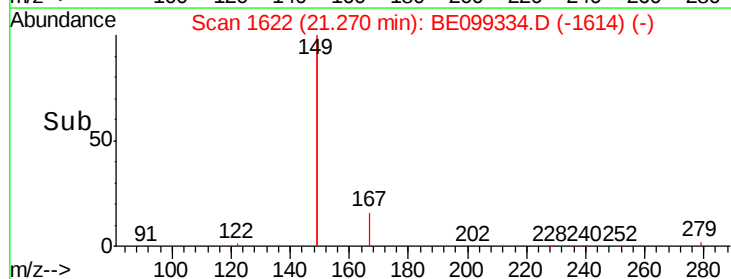
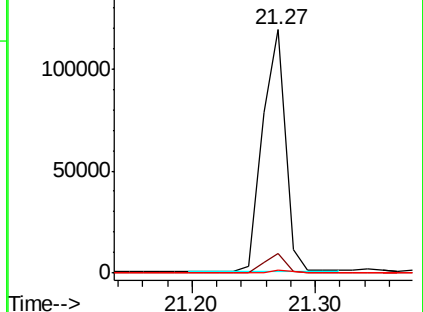
279 1.2 1.1 1.7

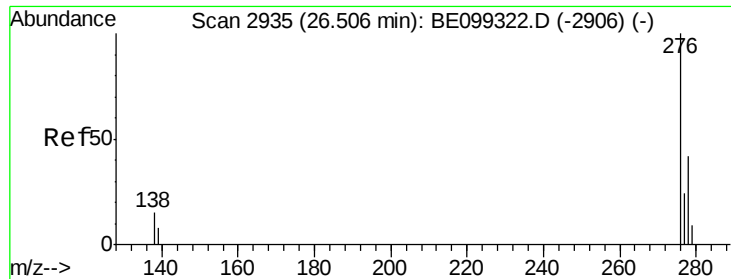


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

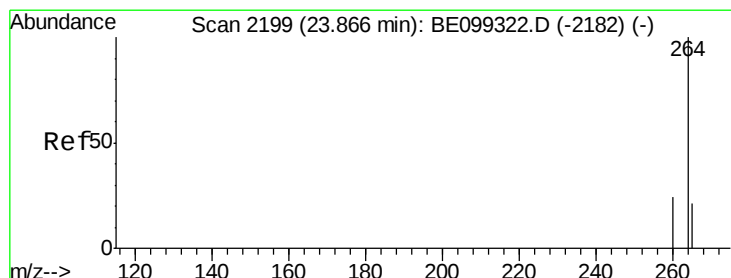
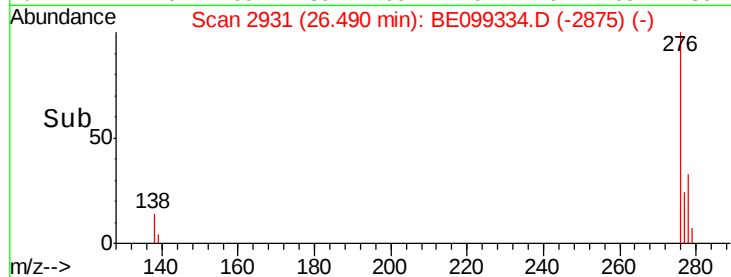
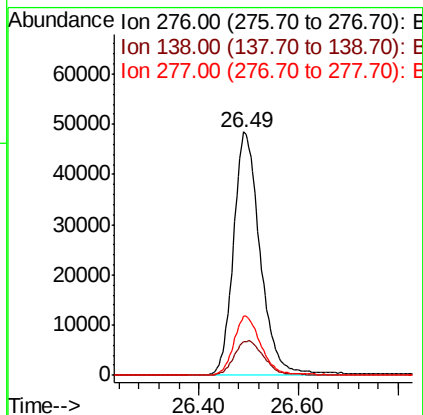
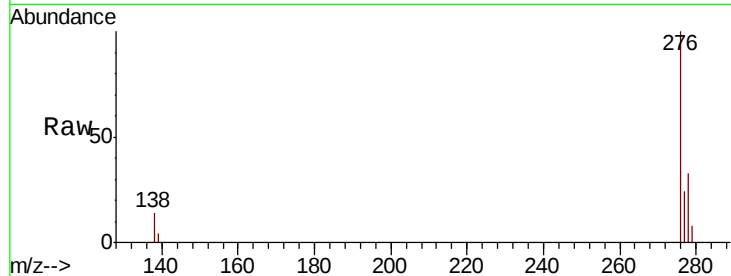




#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.358 ng  
 RT: 26.49 min Scan# 2931  
 Delta R.T. -0.00 min  
 Lab File: BE099334.D  
 Acq: 18 Apr 2019 11:41

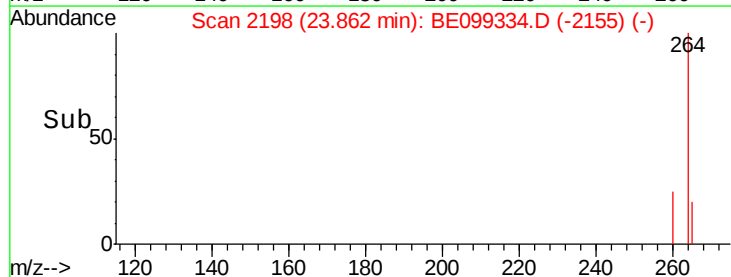
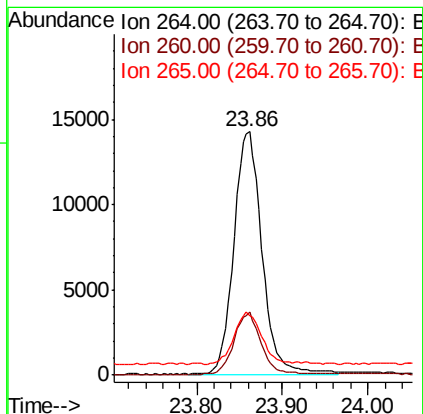
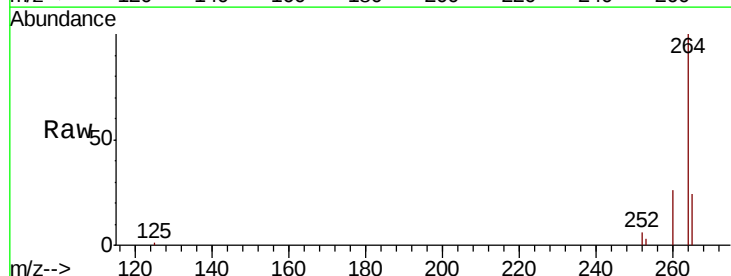
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC1.6

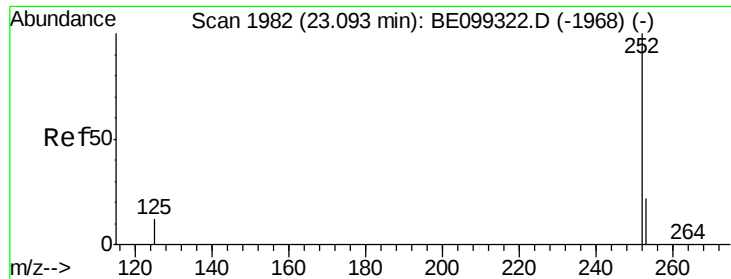
Tot Ion:276 Resp: 179616  
 Ion Ratio Lower Upper  
 276 100  
 138 15.6 12.7 19.1  
 277 24.5 19.6 29.4



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.86 min Scan# 2198  
 Delta R.T. 0.00 min  
 Lab File: BE099334.D  
 Acq: 18 Apr 2019 11:41

Tgt Ion:264 Resp: 32524  
 Ion Ratio Lower Upper  
 264 100  
 260 25.8 20.1 30.1  
 265 24.4 19.9 29.9





#35

Benzo(b)fluoranthene

Concen: 1.648 ng

RT: 23.09 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

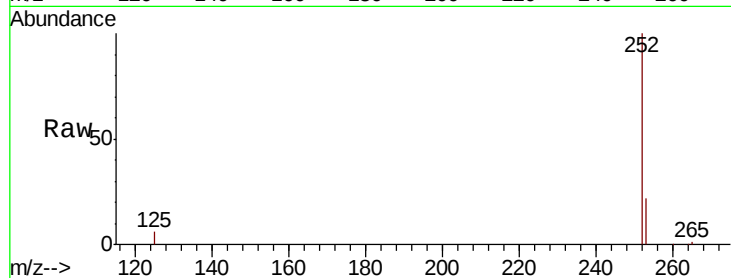
Tot Ion:252 Resp: 159945

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

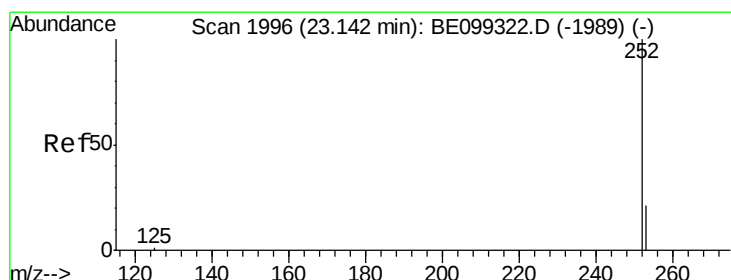
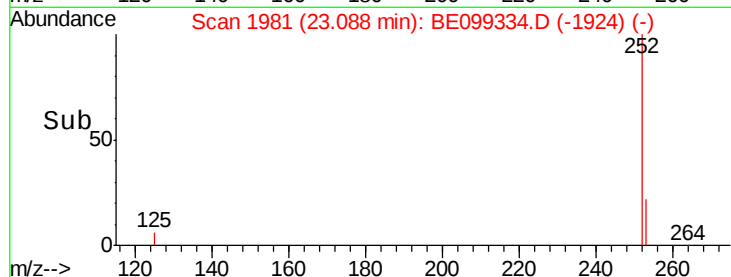
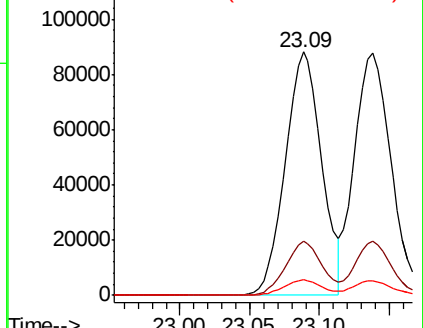
125 6.5 5.8 8.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 1.714 ng

RT: 23.14 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

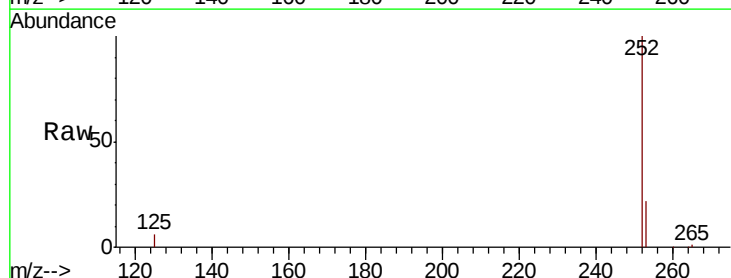
Tgt Ion:252 Resp: 161881

Ion Ratio Lower Upper

252 100

253 22.3 18.4 27.6

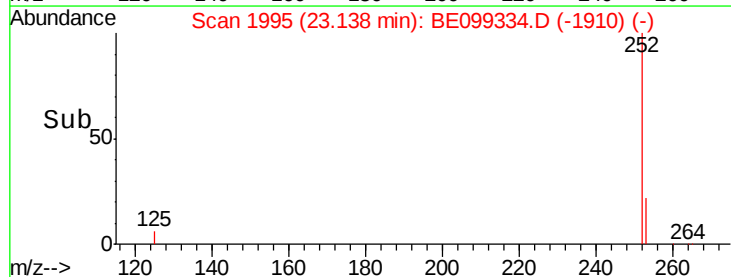
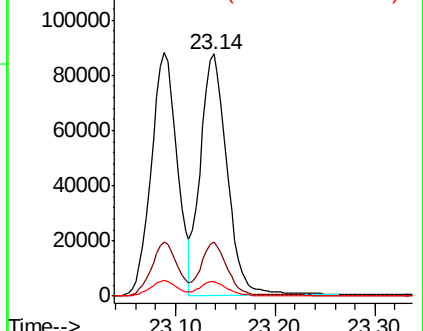
125 6.1 5.4 8.0

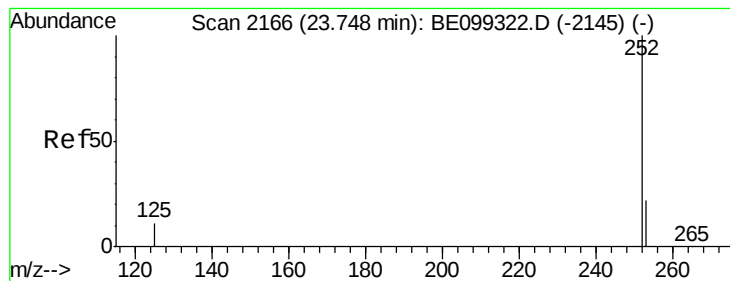


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.573 ng

RT: 23.74 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

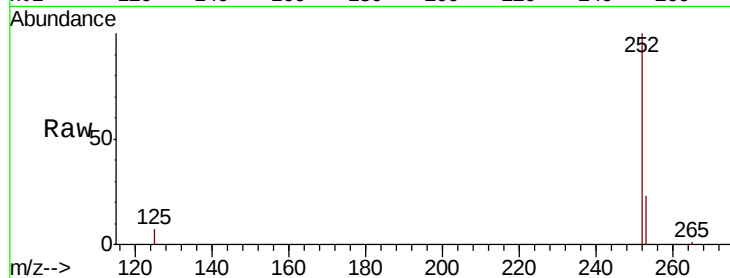
Tot Ion:252 Resp: 143539

Ion Ratio Lower Upper

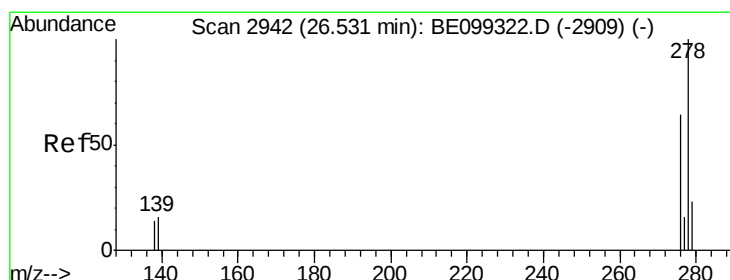
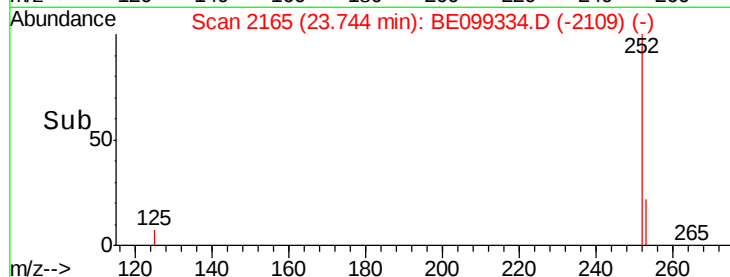
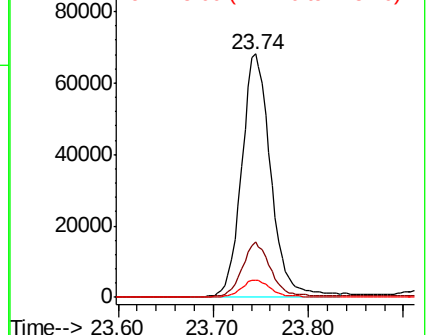
252 100

253 22.6 17.6 26.4

125 7.0 6.5 9.7



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: 1.627 ng

RT: 26.52 min Scan# 2940

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

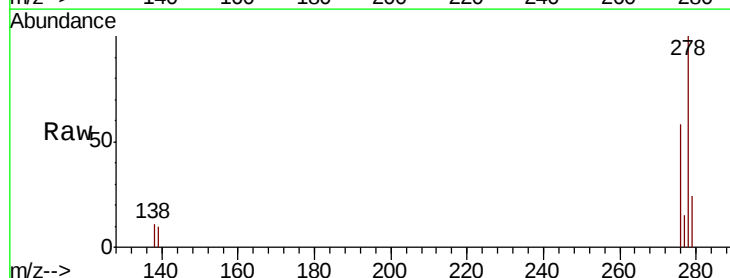
Tgt Ion:278 Resp: 147627

Ion Ratio Lower Upper

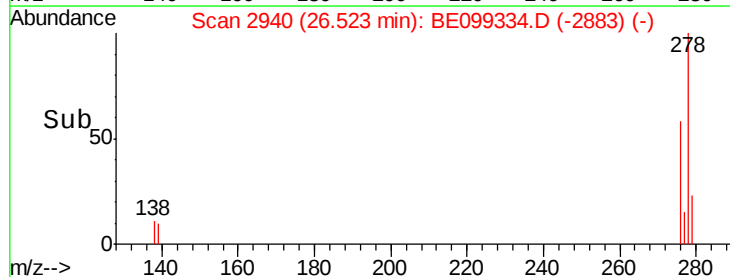
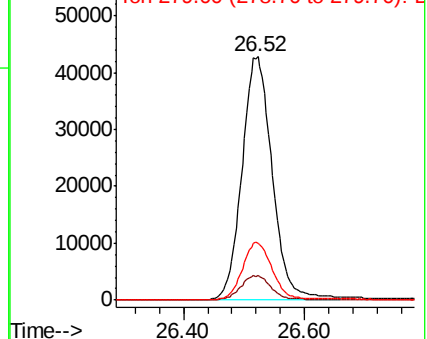
278 100

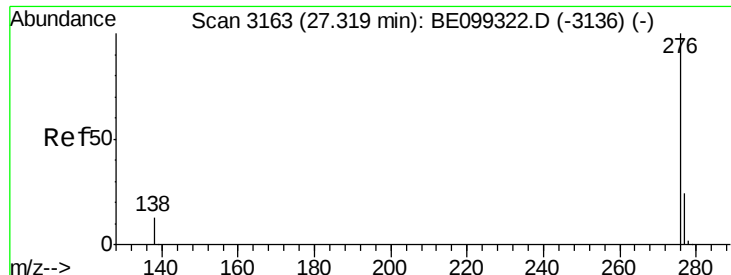
139 10.2 8.5 12.7

279 23.5 19.8 29.8



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





#39

Benzo(a,h,i)perylene

Concen: 1.654 ng

RT: 27.31 min Scan# 3160

Delta R.T. 0.00 min

Lab File: BE099334.D

Acq: 18 Apr 2019 11:41

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

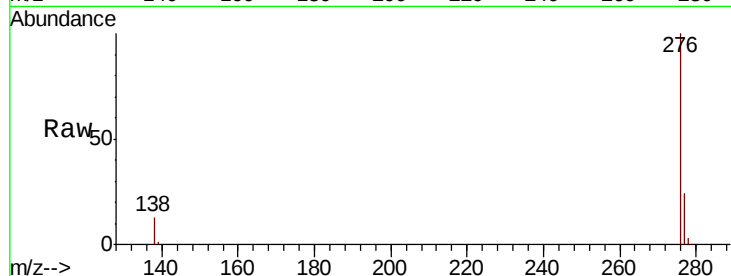
Tot Ion:276 Resp: 149576

Ion Ratio Lower Upper

276 100

277 23.9 20.0 30.0

138 13.5 11.1 16.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

