

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032219\  
 Data File : BE099081.D  
 Acq On : 22 Mar 2019 14:34  
 Operator : JU/SJ  
 Sample : SSTDICC5.0  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC5.0

Quant Time: Mar 22 15:13:40 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 22 13:31:55 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 3257     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.64 | 136  | 13945    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 9915     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.21 | 188  | 28477    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.39 | 240  | 33458    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.90 | 264  | 33007    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.41  | 112  | 47837    | 4.91 | ng    | 0.00     |
| 5) Phenol-d6                | 7.00  | 99   | 70186    | 5.10 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.99  | 82   | 36301    | 2.48 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 123119   | 4.78 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330  | 20661    | 4.13 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl        | 13.12 | 172  | 185334   | 4.51 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.25 | 212  | 1812340  | 3.99 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.84 | 244  | 356657   | 4.39 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.35  | 88   | 23720    | 3.693 | ng    | 92     |
| 3) n-Nitrosodimethylamine      | 3.66  | 42   | 15645    | 1.909 | ng    | # 100  |
| 6) bis(2-Chloroethyl)ether     | 7.26  | 93   | 59948    | 5.647 | ng    | 100    |
| 9) Naphthalene                 | 10.68 | 128  | 775951   | 4.858 | ng    | 100    |
| 10) Hexachlorobutadiene        | 10.97 | 225  | 37344    | 3.534 | ng    | 99     |
| 12) 2-Methylnaphthalene        | 12.31 | 142  | 137109   | 5.293 | ng    | 99     |
| 16) Acenaphthylene             | 14.21 | 152  | 266521   | 5.227 | ng    | 100    |
| 17) Acenaphthene               | 14.54 | 154  | 152223   | 5.032 | ng    | 96     |
| 18) Fluorene                   | 15.51 | 166  | 218456   | 5.008 | ng    | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.41 | 248  | 78087    | 5.059 | ng    | 96     |
| 21) Hexachlorobenzene          | 16.52 | 284  | 71405    | 3.891 | ng    | 98     |
| 22) Pentachlorophenol          | 16.87 | 266  | 29427    | 7.892 | ng    | 98     |
| 23) Phenanthrene               | 17.25 | 178  | 397113   | 4.906 | ng    | 99     |
| 24) Anthracene                 | 17.35 | 178  | 393876   | 5.693 | ng    | 100    |
| 26) Fluoranthene               | 19.28 | 202  | 540717   | 4.733 | ng    | 99     |
| 28) Pyrene                     | 19.64 | 202  | 551921   | 5.392 | ng    | 100    |
| 30) Benzo(a)anthracene         | 21.38 | 228  | 557092   | 5.335 | ng    | 98     |
| 31) Chrysene                   | 21.43 | 228  | 545303   | 4.881 | ng    | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 21.31 | 149  | 828133   | 3.727 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.57 | 276  | 613065   | 5.198 | ng    | 99     |
| 35) Benzo(b)fluoranthene       | 23.13 | 252  | 544695   | 5.019 | ng    | 98     |
| 36) Benzo(k)fluoranthene       | 23.18 | 252  | 533457   | 4.695 | ng    | # 97   |
| 37) Benzo(a)pyrene             | 23.79 | 252  | 504702   | 4.850 | ng    | 95     |
| 38) Dibenzo(a,h)anthracene     | 26.59 | 278  | 505232   | 5.132 | ng    | 99     |
| 39) Benzo(g,h,i)perylene       | 27.39 | 276  | 502490   | 4.880 | ng    | 98     |

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



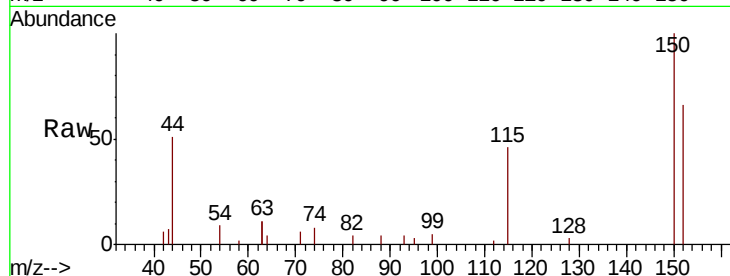


#1

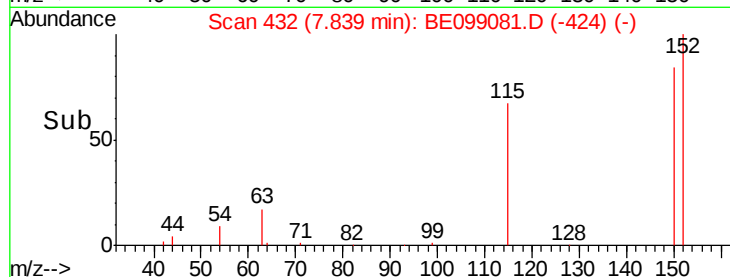
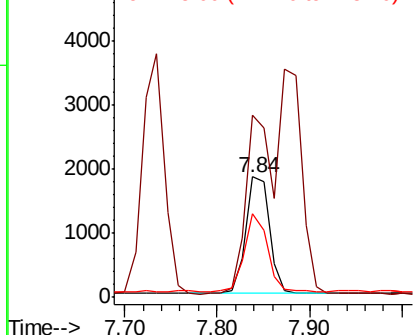
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.84 min Scan# 432  
Delta R.T. -0.00 min  
Lab File: BE099081.D  
Acq: 22 Mar 2019 14:34

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC5.0

Tot Ion:152 Resp: 3257  
Ion Ratio Lower Upper  
152 100  
150 151.7 119.7 179.5  
115 69.7 56.5 84.7



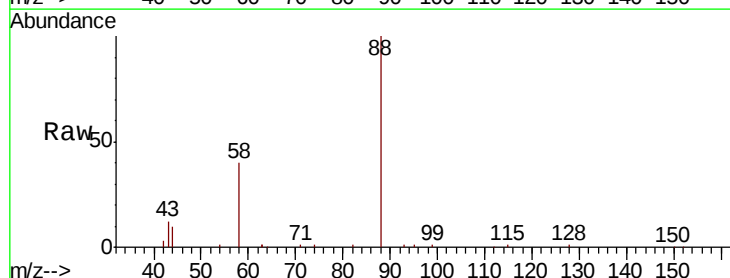
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



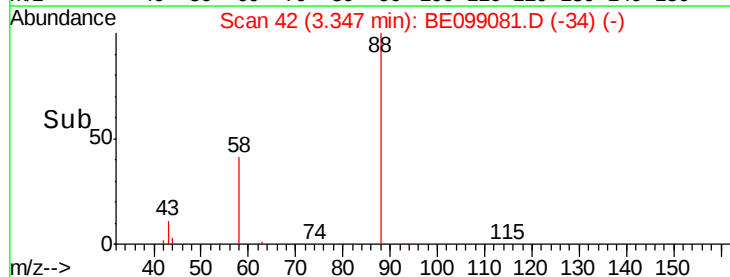
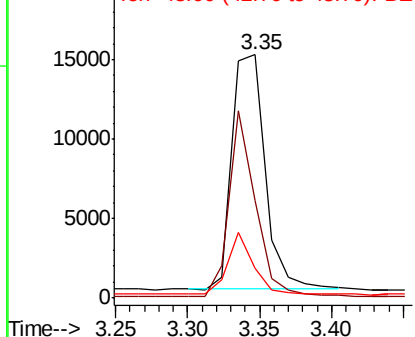
#2

1,4-Dioxane  
Concen: 3.693 ng  
RT: 3.35 min Scan# 42  
Delta R.T. -0.00 min  
Lab File: BE099081.D  
Acq: 22 Mar 2019 14:34

Tgt Ion: 88 Resp: 23720  
Ion Ratio Lower Upper  
88 100  
58 63.6 45.5 68.3  
43 20.5 14.9 22.3



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: 1.909 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.03 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA\_E

ClientSampleId :

SSTDICC5.0

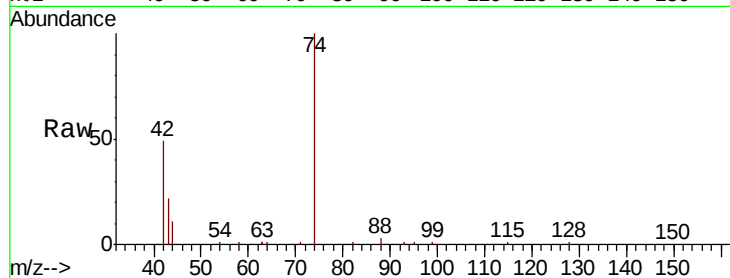
Tot Ion: 42 Resp: 15645

Ion Ratio Lower Upper

42 100

74 182.1 0.0 0.0#

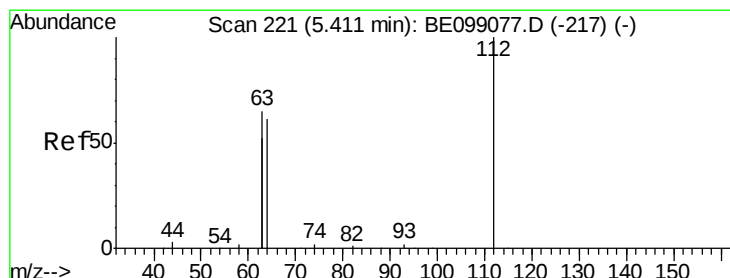
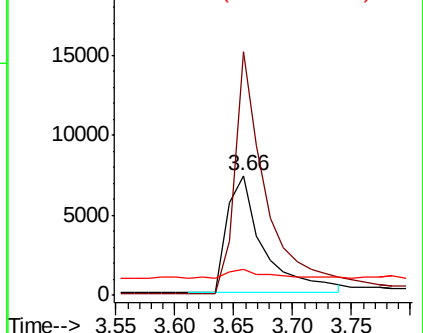
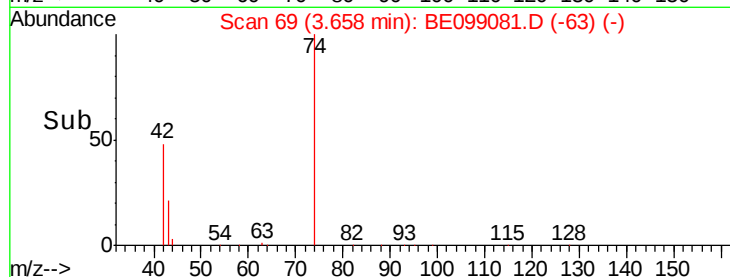
44 9.6 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 4.913 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

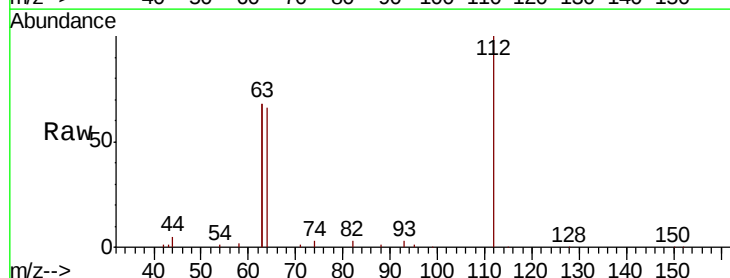
Tgt Ion: 112 Resp: 47837

Ion Ratio Lower Upper

112 100

64 58.0 44.8 67.2

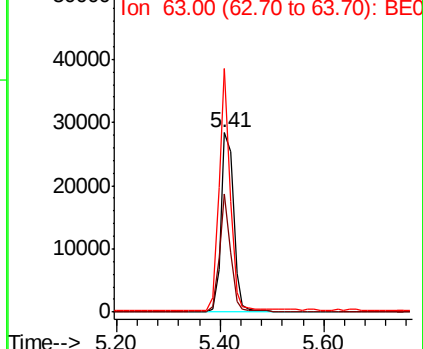
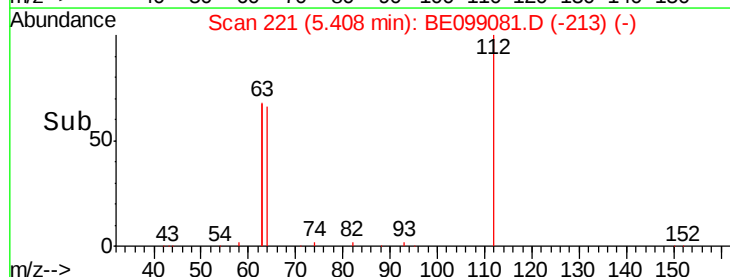
63 118.1 88.2 132.2

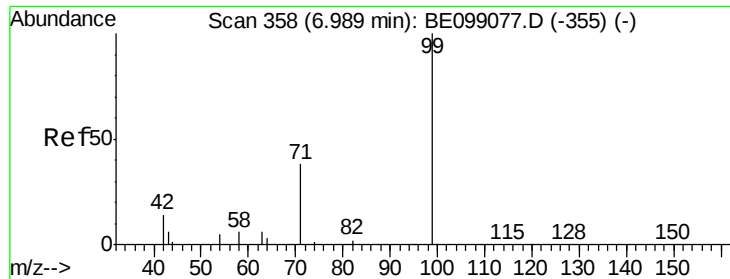


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 5.103 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA\_E

ClientSampleId :

SSTDICC5.0

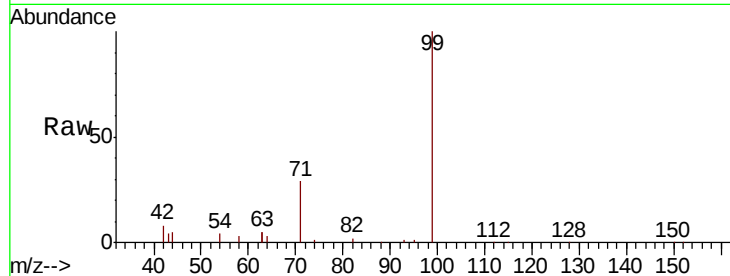
Tot Ion: 99 Resp: 70186

Ion Ratio Lower Upper

99 100

42 14.3 11.8 17.8

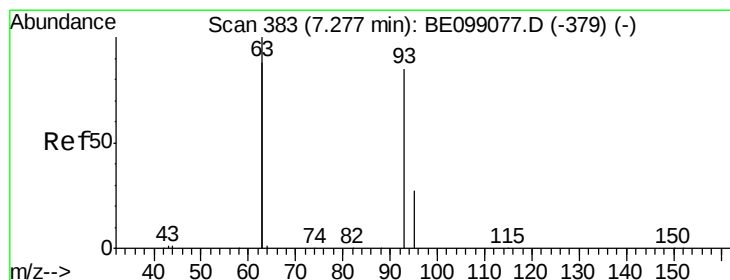
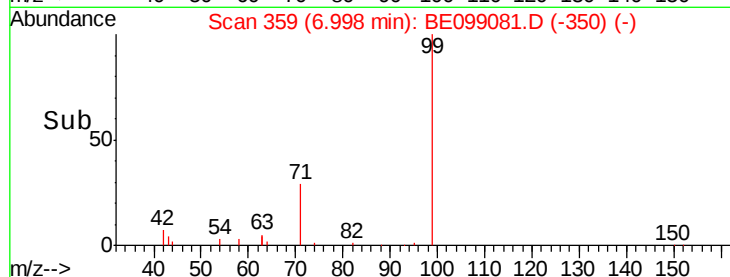
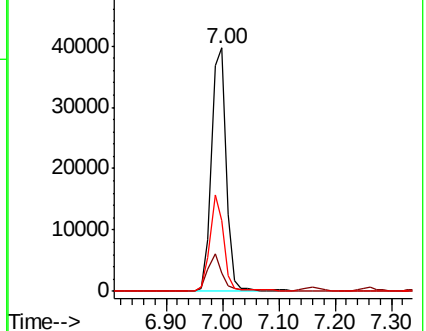
71 35.9 27.4 41.2



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: 5.647 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.01 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

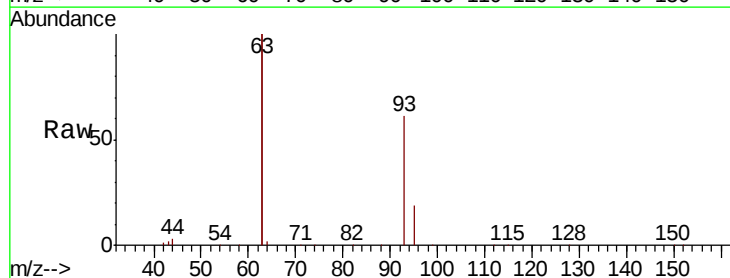
Tgt Ion: 93 Resp: 59948

Ion Ratio Lower Upper

93 100

63 288.0 230.3 345.5

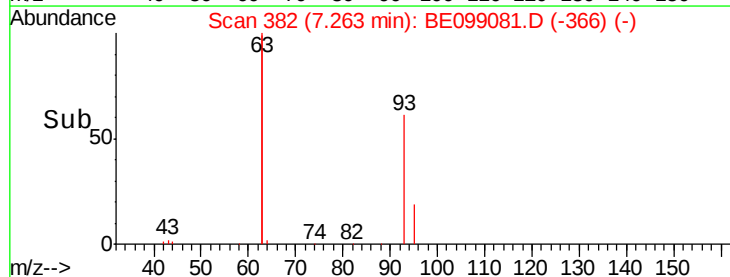
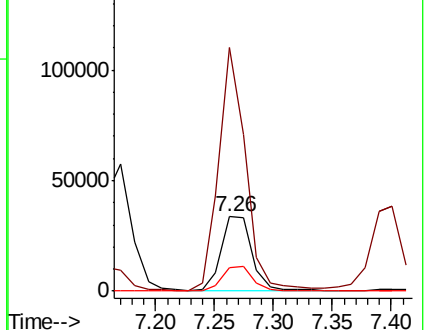
95 32.6 27.4 41.2

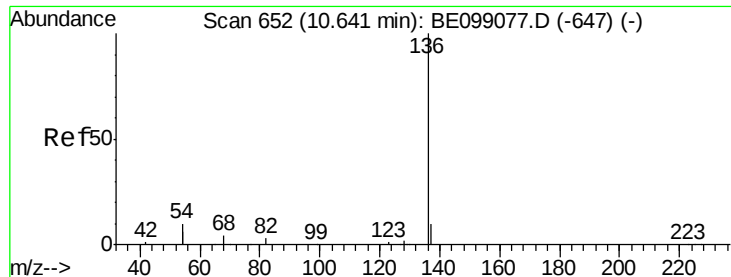


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.64 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA\_E

ClientSampleId :

SSTDICC5.0

Tot Ion:136 Resp: 13945

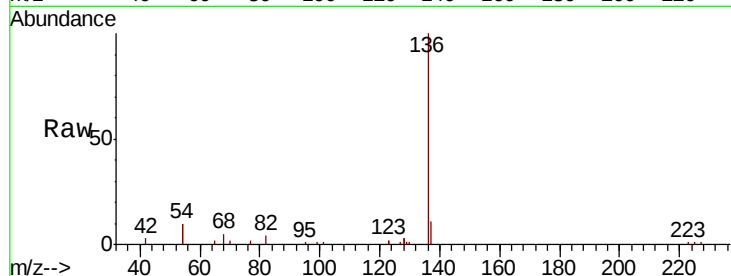
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 19.1 15.7 23.5

68 5.4 4.3 6.5

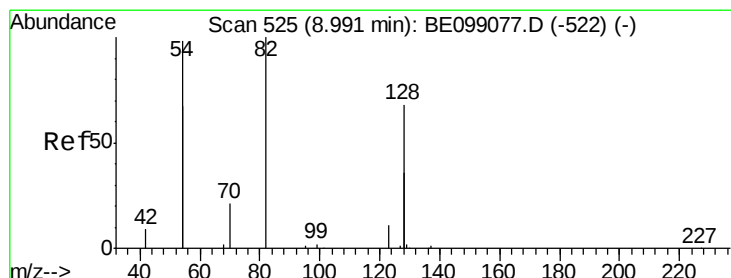
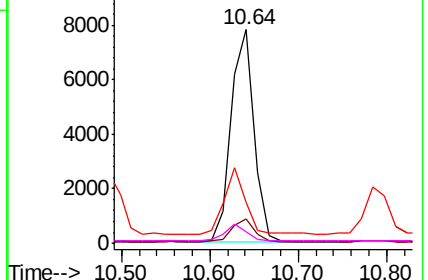
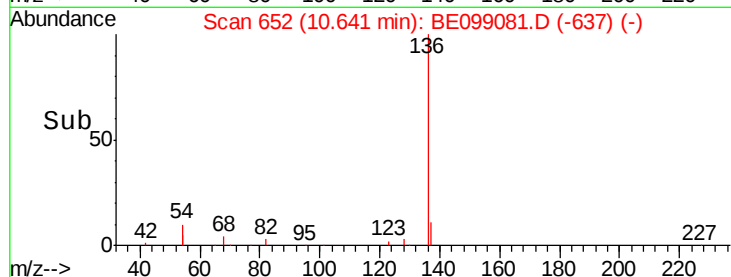


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.483 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

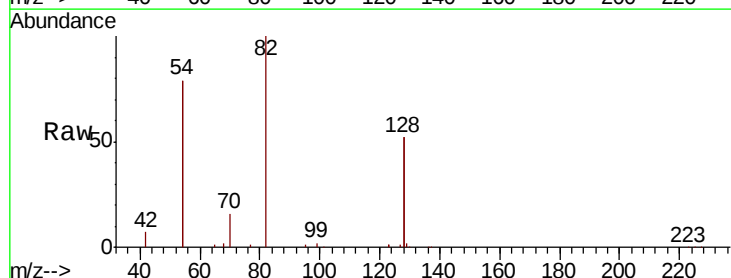
Tgt Ion: 82 Resp: 36301

Ion Ratio Lower Upper

82 100

128 104.7 98.8 148.2

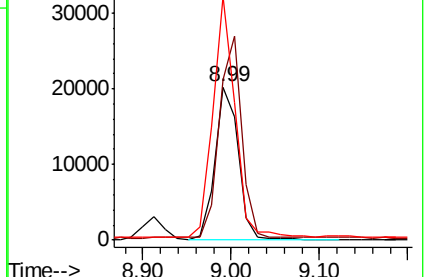
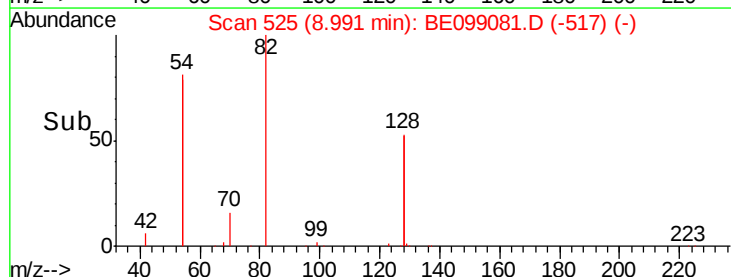
54 158.8 143.7 215.5

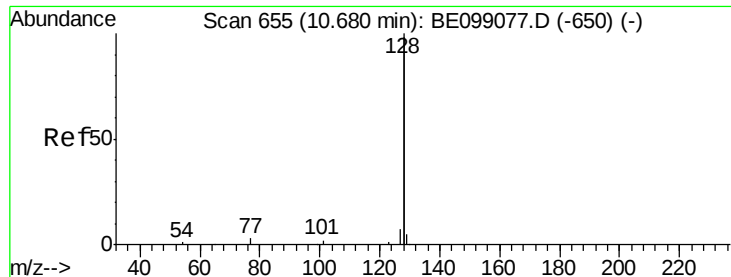


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 4.858 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA\_E

ClientSampleId :

SSTDICC5.0

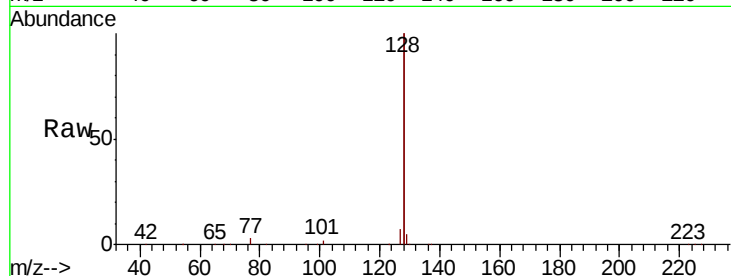
Tot Ion:128 Resp: 775951

Ion Ratio Lower Upper

128 100

129 2.7 2.3 3.5

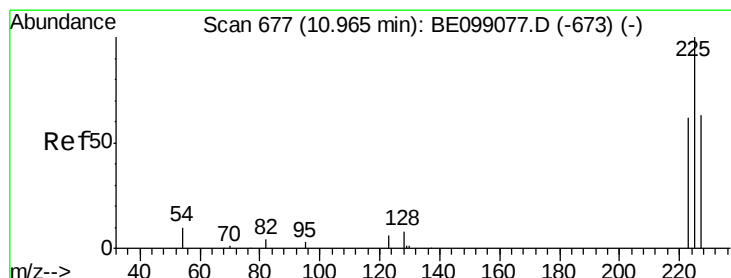
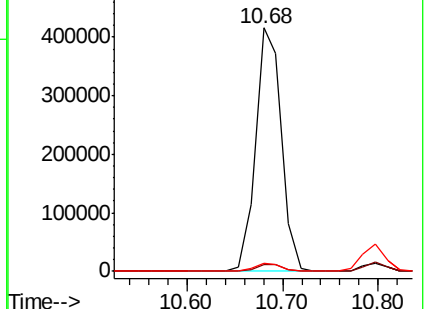
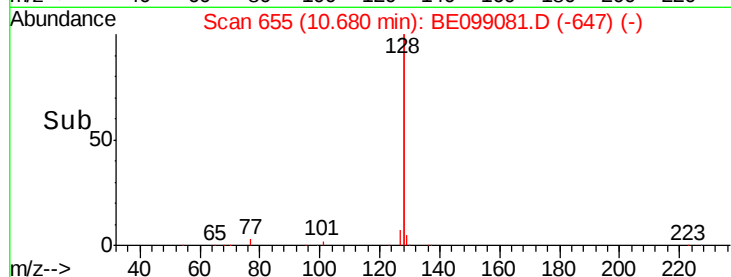
127 3.4 2.8 4.2



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: 3.534 ng

RT: 10.97 min Scan# 677

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

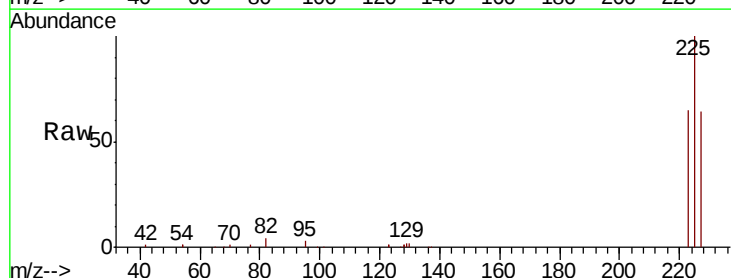
Tgt Ion:225 Resp: 37344

Ion Ratio Lower Upper

225 100

223 63.4 51.1 76.7

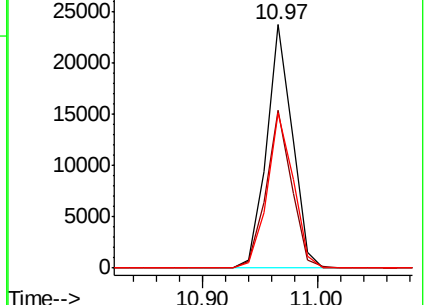
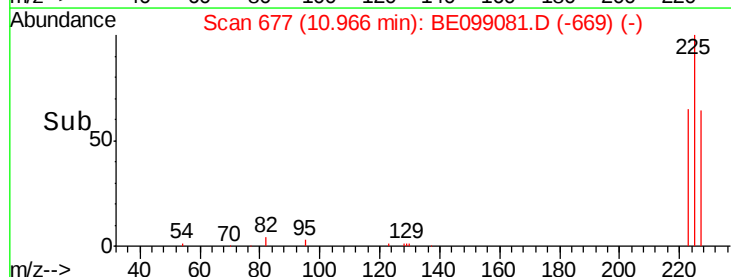
227 63.9 51.4 77.2

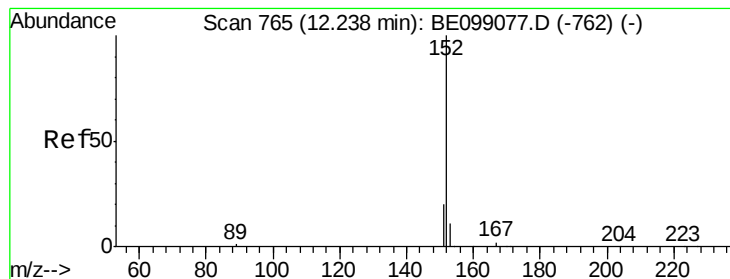


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 4.777 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA\_E

ClientSampleId :

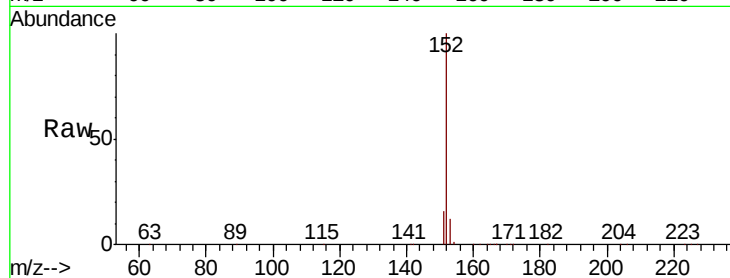
SSTDICC5.0

Tot Ion:152 Resp: 123119

Ion Ratio Lower Upper

152 100

151 19.1 15.7 23.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.22

60000

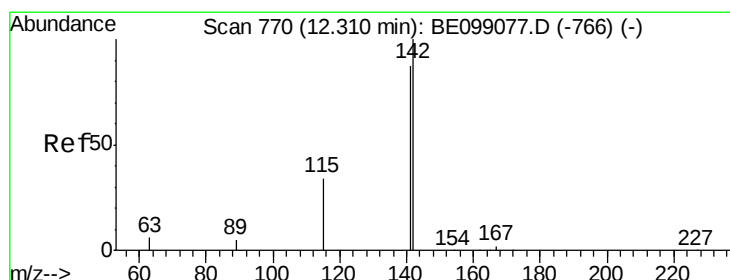
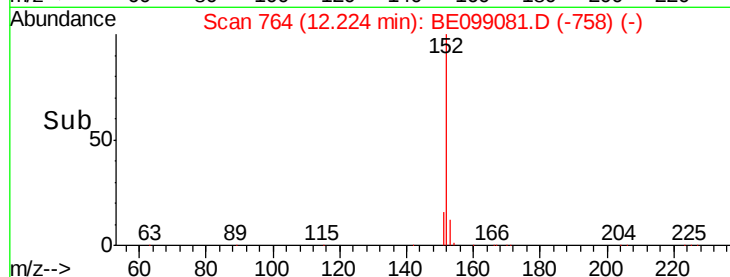
40000

20000

0

12.10 12.20 12.30 12.40

Time-->



#12

2-Methylnaphthalene

Concen: 5.293 ng

RT: 12.31 min Scan# 770

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

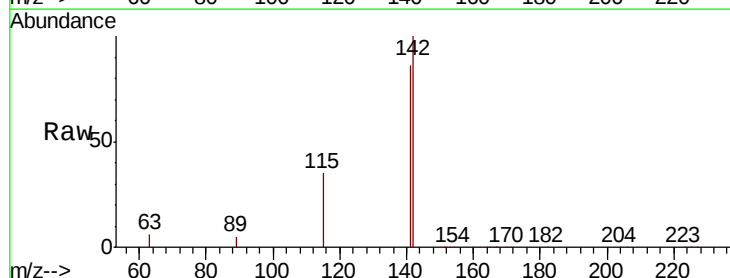
Tgt Ion:142 Resp: 137109

Ion Ratio Lower Upper

142 100

141 85.6 69.7 104.5

115 35.0 28.2 42.4



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

12.31

100000

80000

60000

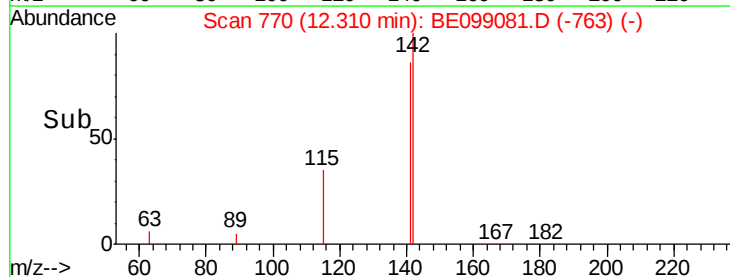
40000

20000

0

12.20 12.30 12.40

Time-->

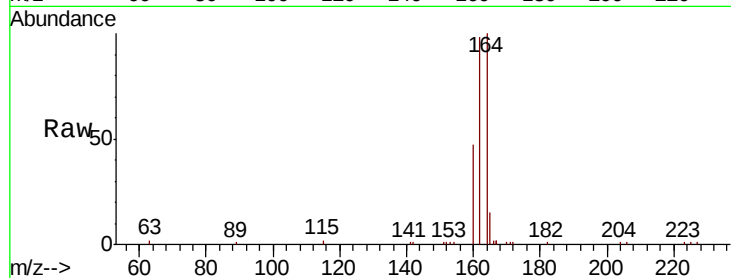




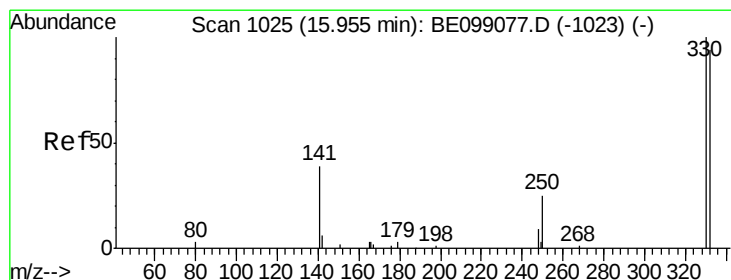
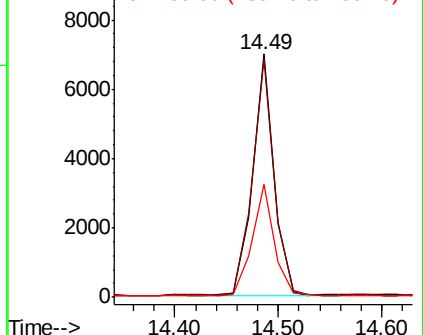
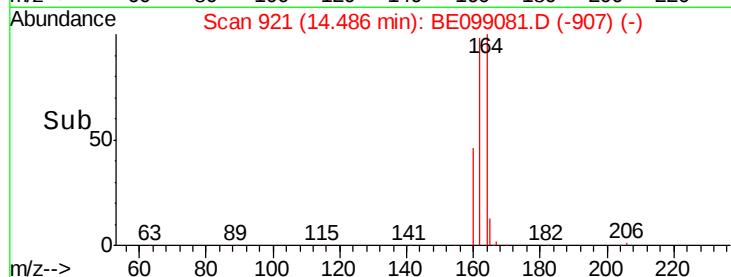
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.49 min Scan# 921  
 Delta R.T. -0.00 min  
 Lab File: BE099081.D  
 Acq: 22 Mar 2019 14:34

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC5.0

Tot Ion:164 Resp: 9915  
 Ion Ratio Lower Upper  
 164 100  
 162 98.2 76.8 115.2  
 160 46.6 36.1 54.1

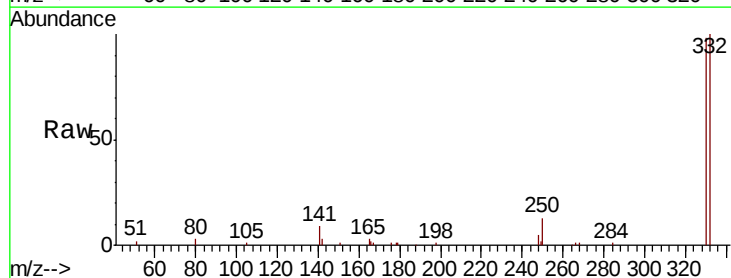


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

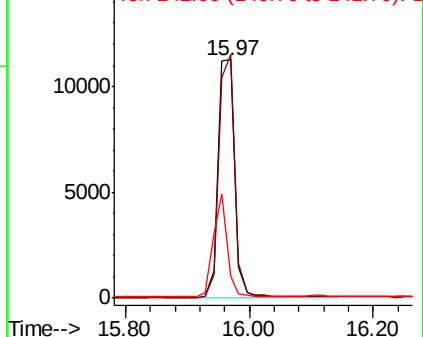
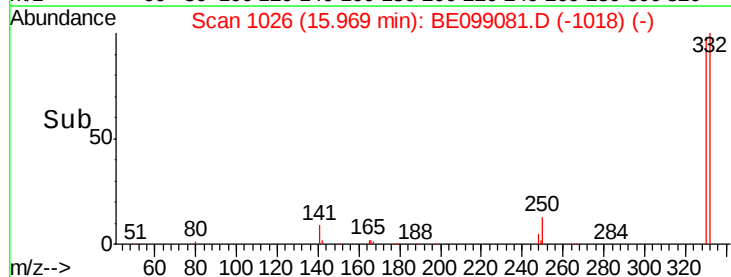


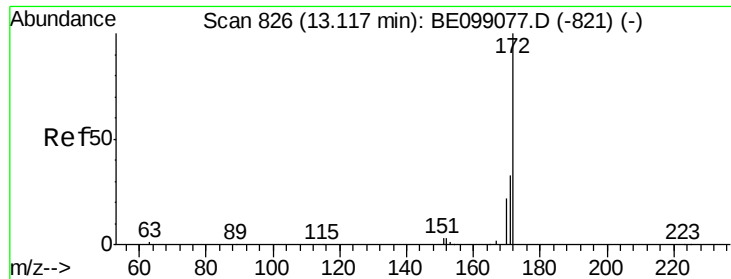
#14  
 2,4,6-Tribromophenol  
 Concen: 4.128 ng  
 RT: 15.97 min Scan# 1026  
 Delta R.T. 0.01 min  
 Lab File: BE099081.D  
 Acq: 22 Mar 2019 14:34

Tgt Ion:330 Resp: 20661  
 Ion Ratio Lower Upper  
 330 100  
 332 97.8 83.0 124.4  
 141 36.3 30.7 46.1



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

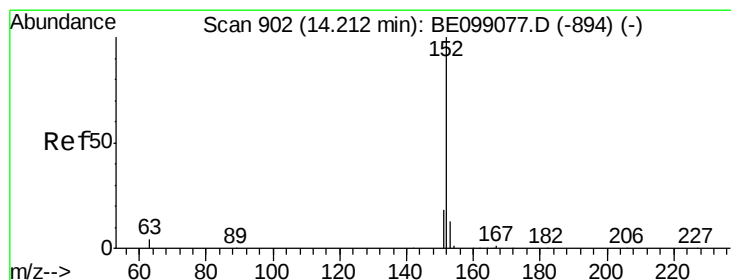
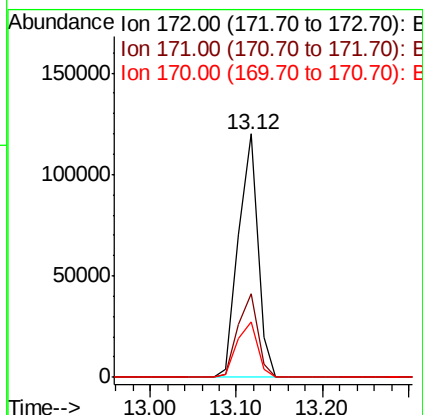
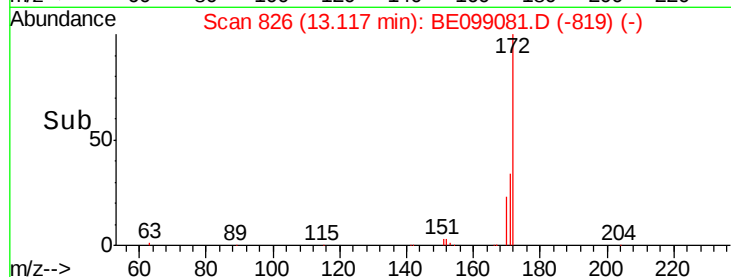
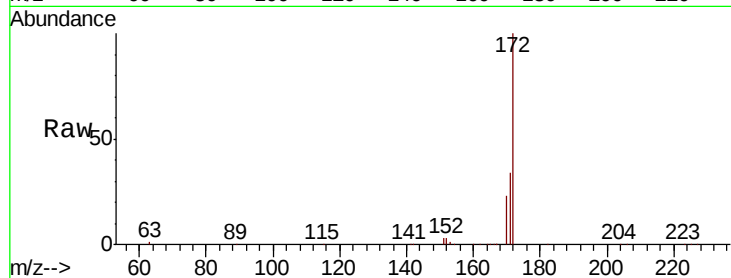




#15  
2-Fluorobiphenyl  
Concen: 4.515 ng  
RT: 13.12 min Scan# 826  
Delta R.T. -0.00 min  
Lab File: BE099081.D  
Acq: 22 Mar 2019 14:34

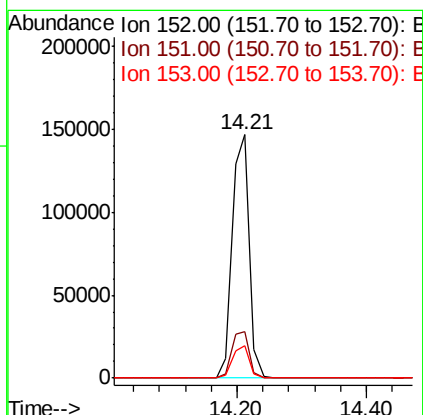
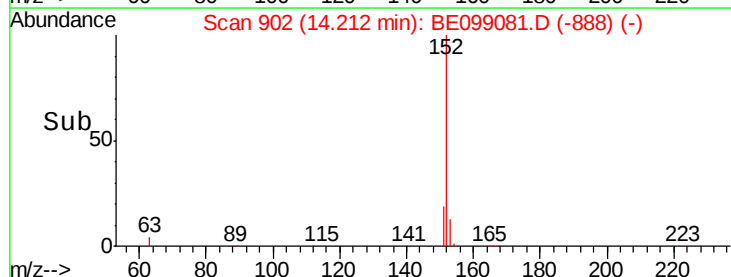
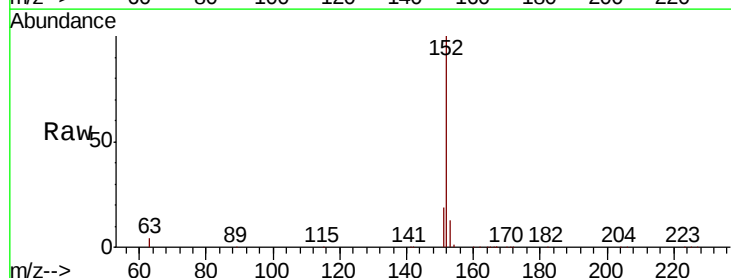
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC5.0

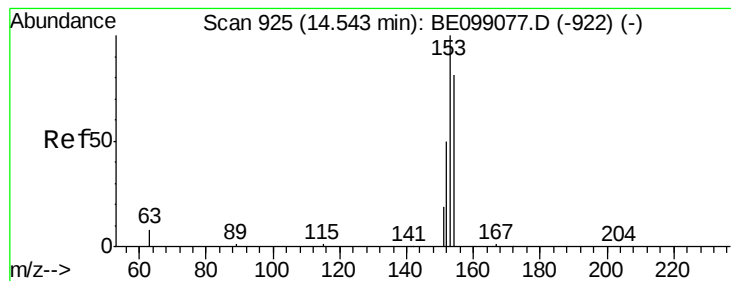
Tot Ion:172 Resp: 185334  
Ion Ratio Lower Upper  
172 100  
171 34.2 26.7 40.1  
170 23.0 18.1 27.1



#16  
Acenaphthylene  
Concen: 5.227 ng  
RT: 14.21 min Scan# 902  
Delta R.T. -0.00 min  
Lab File: BE099081.D  
Acq: 22 Mar 2019 14:34

Tgt Ion:152 Resp: 266521  
Ion Ratio Lower Upper  
152 100  
151 19.8 15.7 23.5  
153 12.9 10.2 15.4





#17

Acenaphthene

Concen: 5.032 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA\_E

ClientSampleId :

SSTDICC5.0

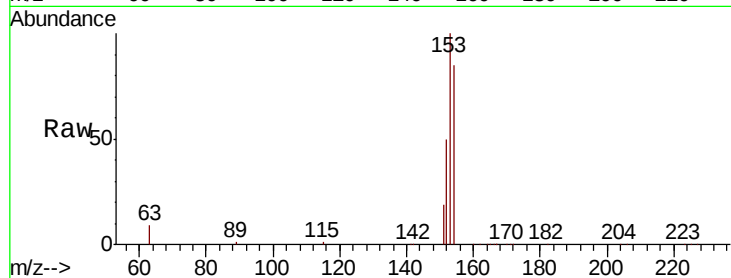
Tot Ion:154 Resp: 152223

Ion Ratio Lower Upper

154 100

153 113.3 94.9 142.3

152 55.1 45.8 68.8

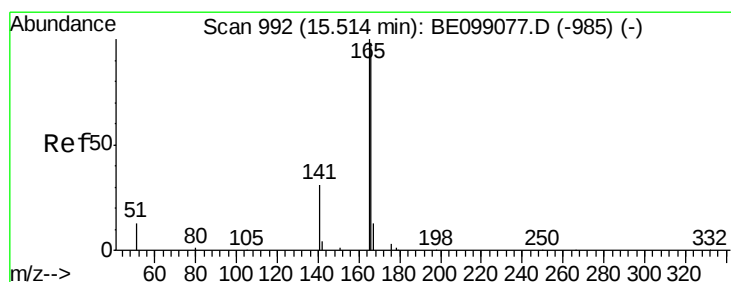
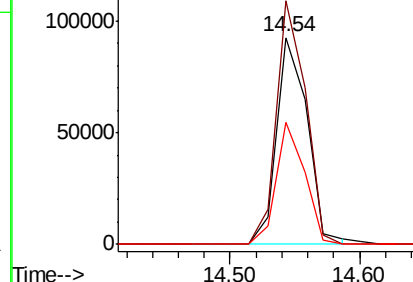
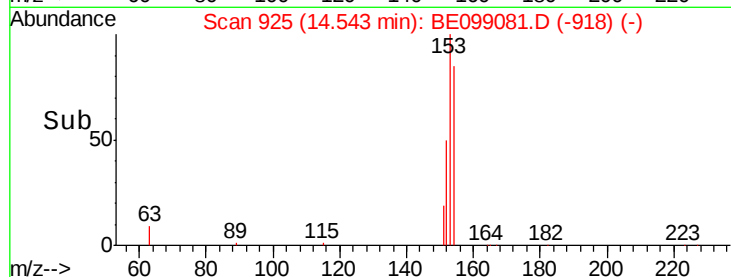


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 5.008 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

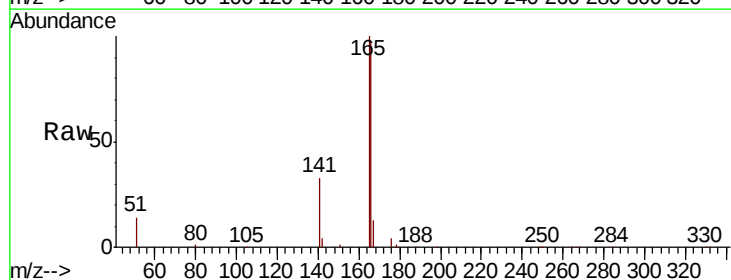
Tgt Ion:166 Resp: 218456

Ion Ratio Lower Upper

166 100

165 100.3 79.4 119.2

167 13.3 10.8 16.2

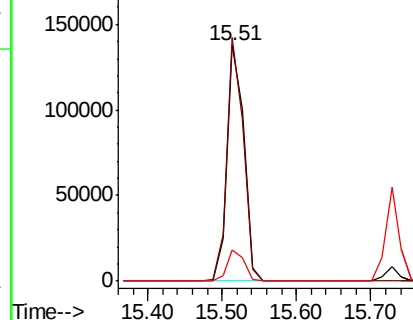
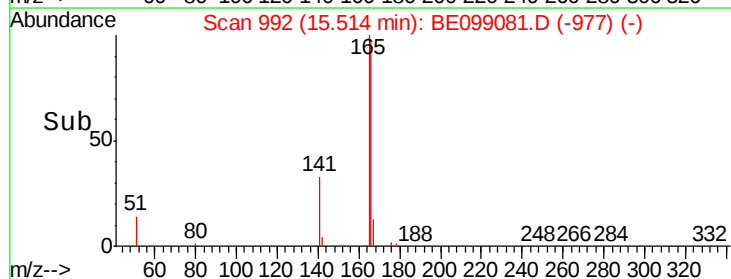


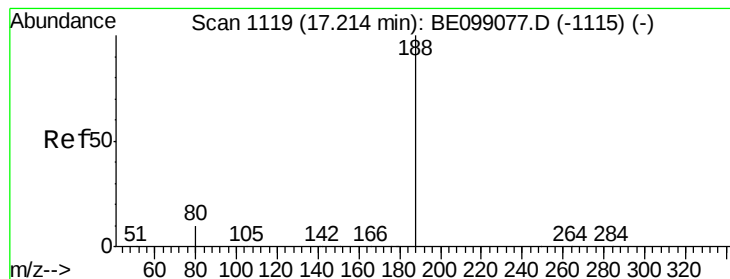
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA\_E

ClientSampleId :

SSTDICC5.0

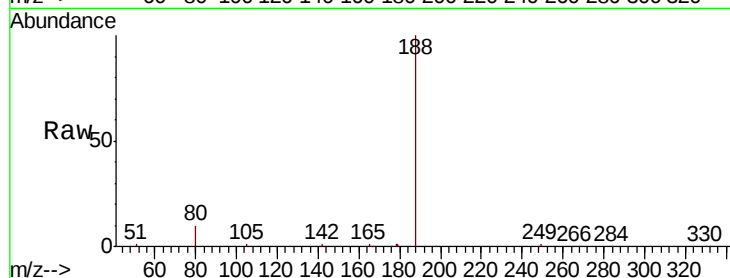
Tot Ion:188 Resp: 28477

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

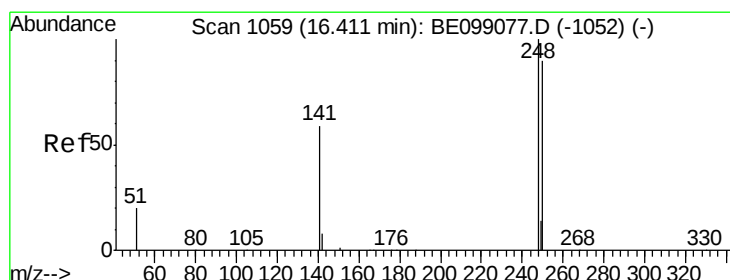
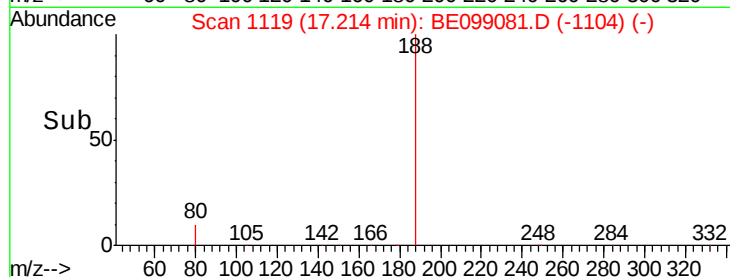
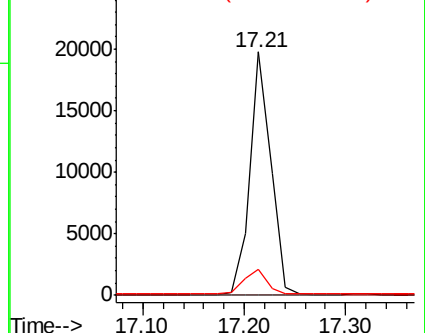
80 10.5 8.1 12.1



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: 5.059 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

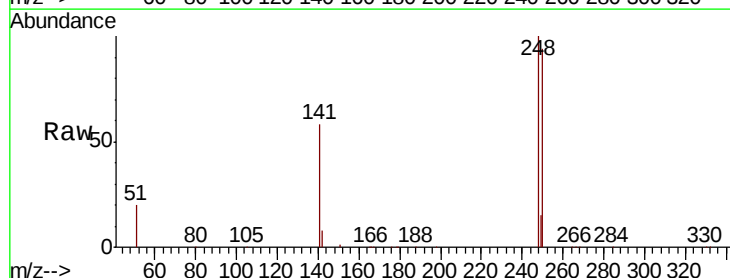
Tgt Ion:248 Resp: 78087

Ion Ratio Lower Upper

248 100

250 94.4 72.0 108.0

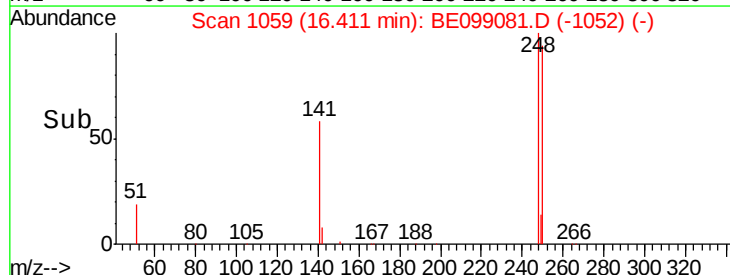
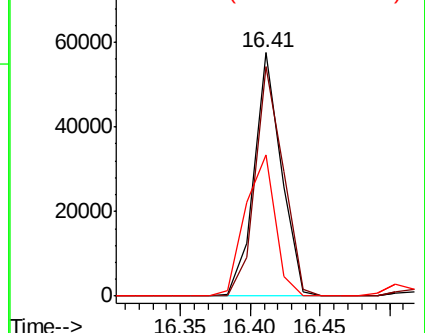
141 57.9 47.8 71.8

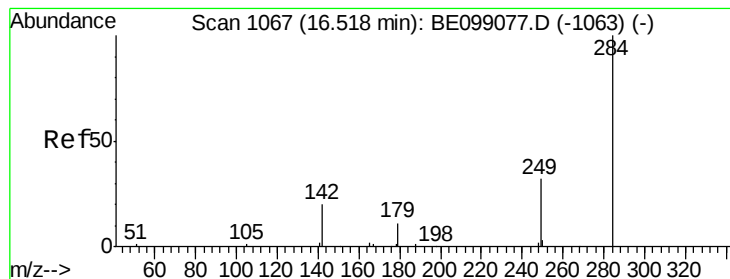


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 3.891 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA\_E

ClientSampleId :

SSTDICC5.0

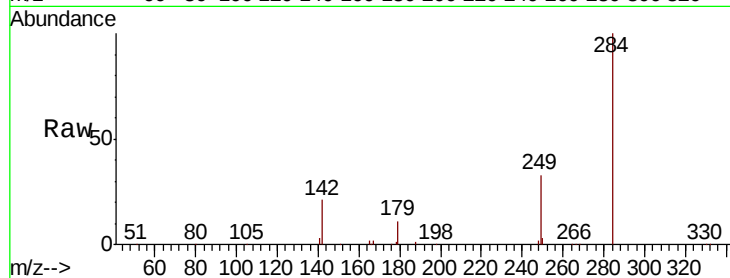
Tot Ion:284 Resp: 71405

Ion Ratio Lower Upper

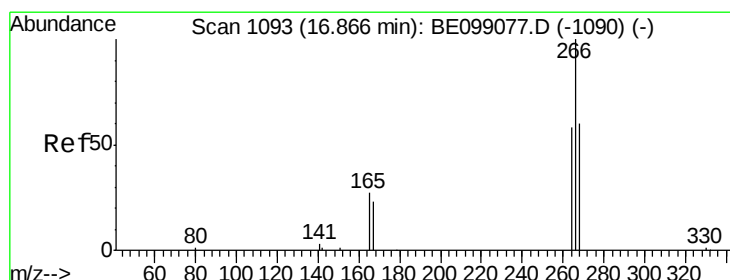
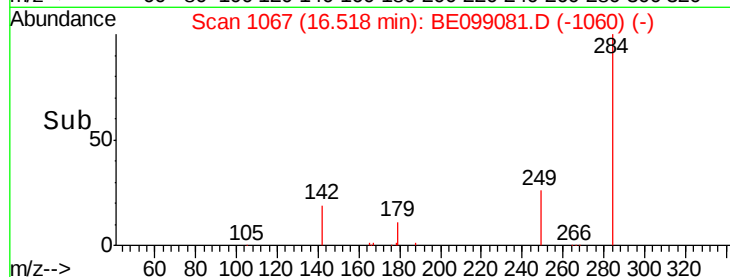
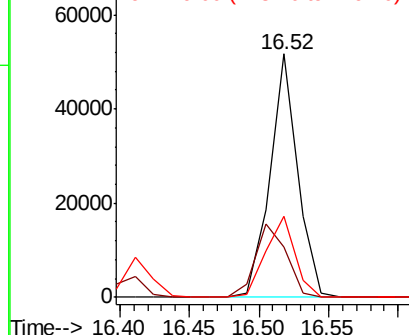
284 100

142 33.3 28.5 42.7

249 34.9 28.2 42.4



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: 7.892 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

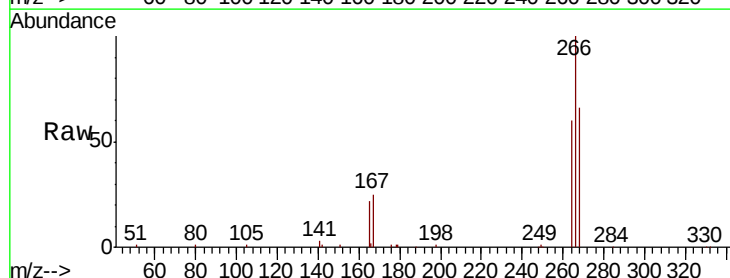
Tgt Ion:266 Resp: 29427

Ion Ratio Lower Upper

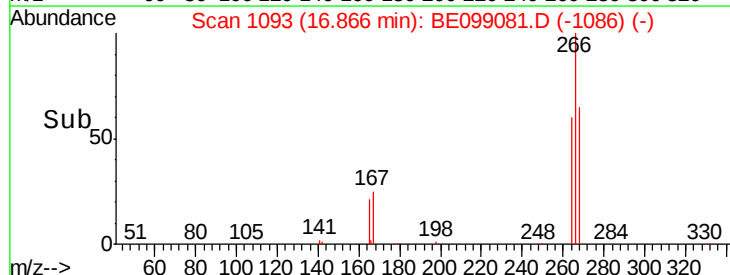
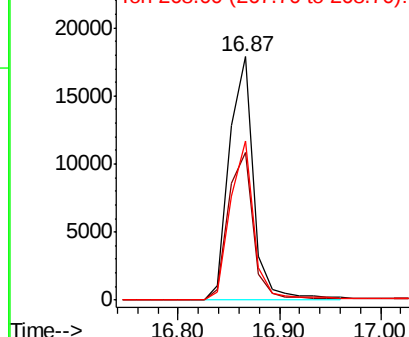
266 100

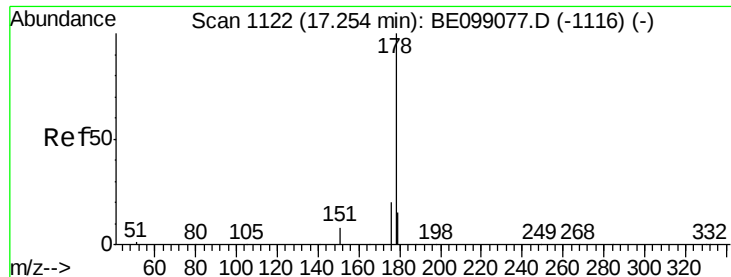
264 60.5 47.4 71.0

268 65.5 50.7 76.1



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

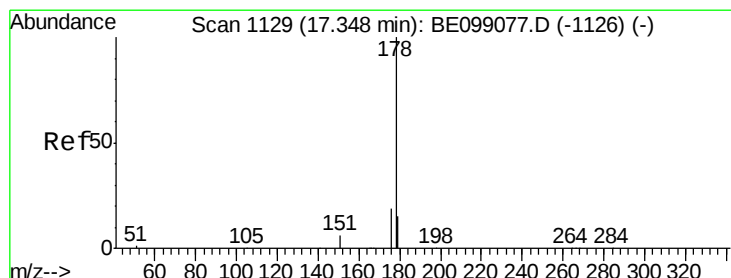
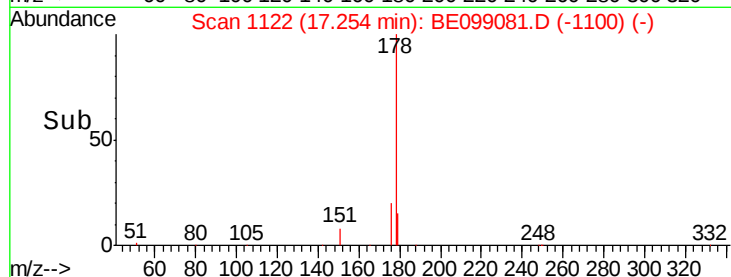
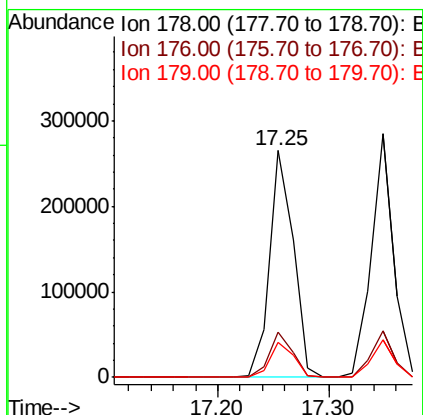
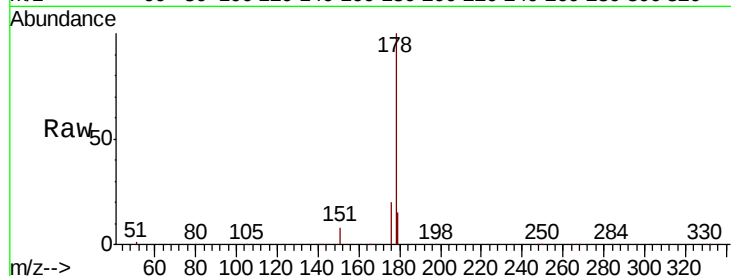




#23  
Phenanthrene  
Concen: 4.906 ng  
RT: 17.25 min Scan# 1122  
Delta R.T. 0.00 min  
Lab File: BE099081.D  
Acq: 22 Mar 2019 14:34

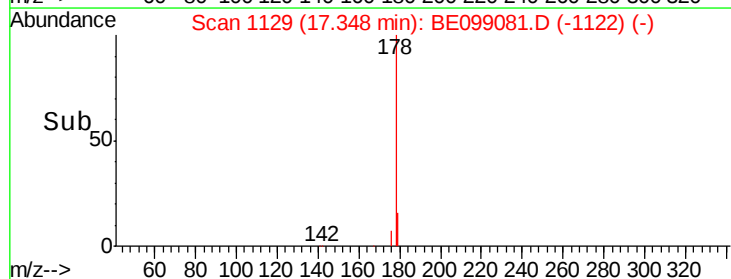
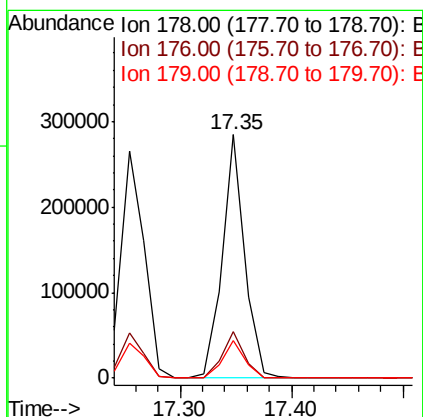
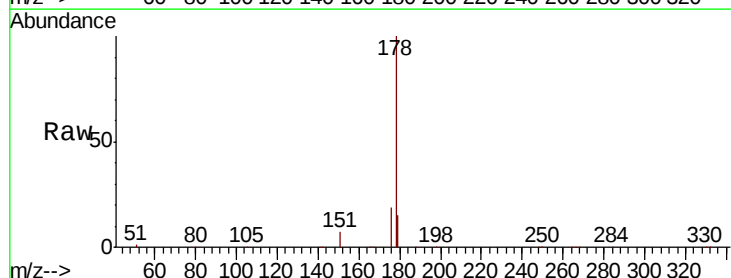
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC5.0

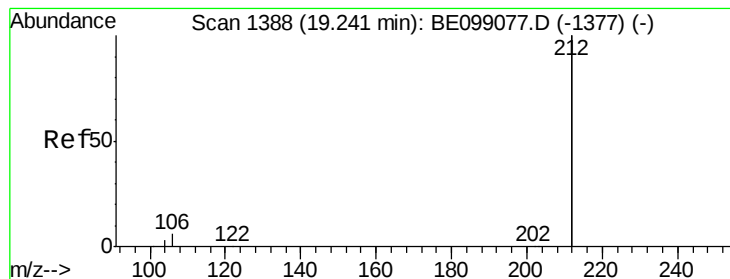
Tot Ion:178 Resp: 397113  
Ion Ratio Lower Upper  
178 100  
176 19.5 16.0 24.0  
179 15.5 12.1 18.1



#24  
Anthracene  
Concen: 5.693 ng  
RT: 17.35 min Scan# 1129  
Delta R.T. 0.00 min  
Lab File: BE099081.D  
Acq: 22 Mar 2019 14:34

Tgt Ion:178 Resp: 393876  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.0 22.6  
179 15.5 12.4 18.6





#25

Fluoranthene-d10

Concen: 3.987 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.01 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA\_E

ClientSampleId :

SSTDICC5.0

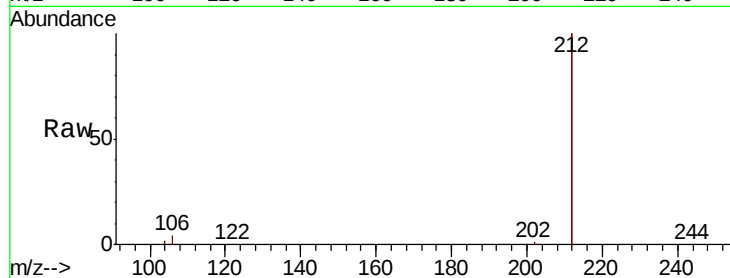
Tot Ion:212 Resp: 1812340

Ion Ratio Lower Upper

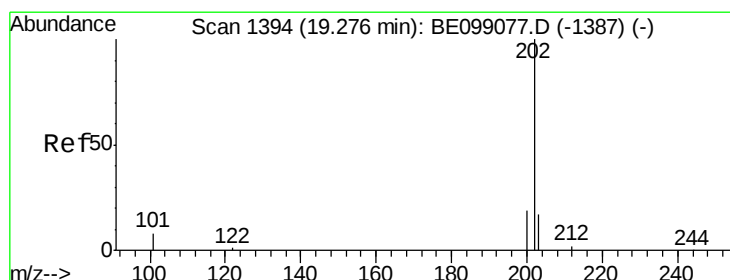
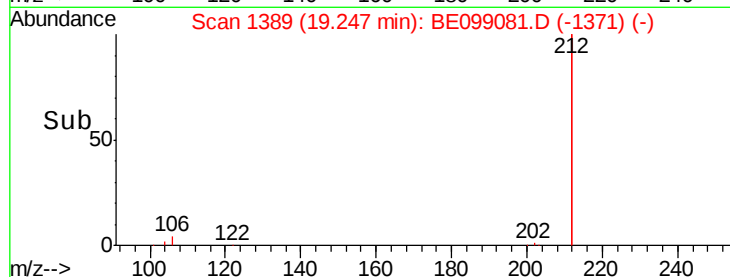
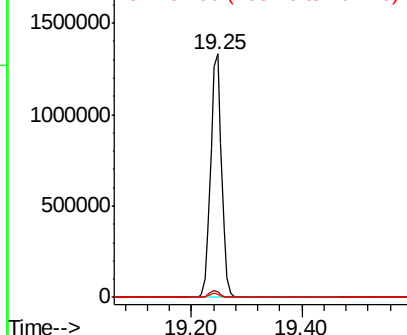
212 100

106 2.7 2.2 3.4

104 1.5 1.3 1.9



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: 4.733 ng

RT: 19.28 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

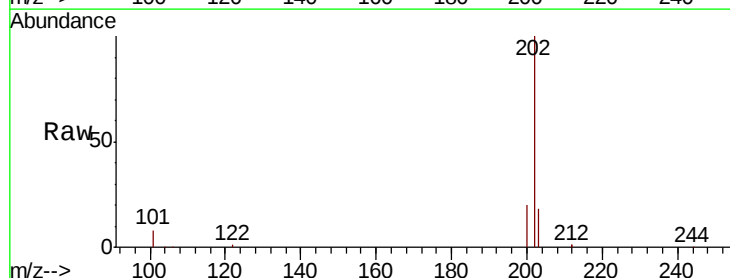
Tgt Ion:202 Resp: 540717

Ion Ratio Lower Upper

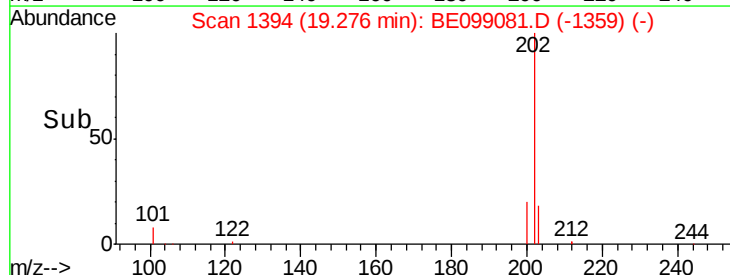
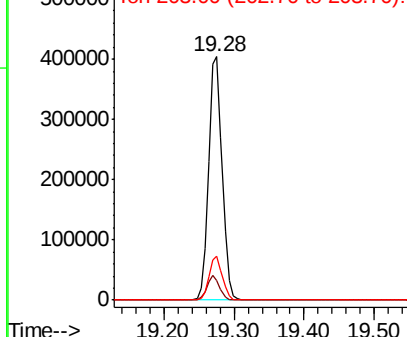
202 100

101 9.6 7.5 11.3

203 17.5 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

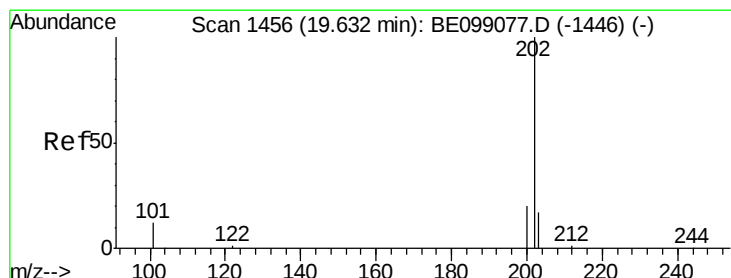
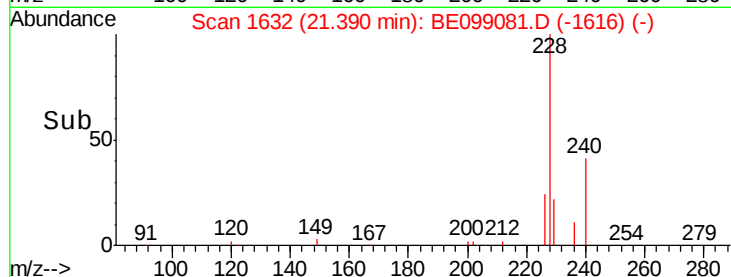
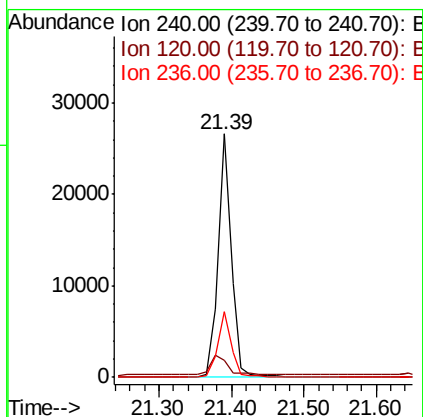
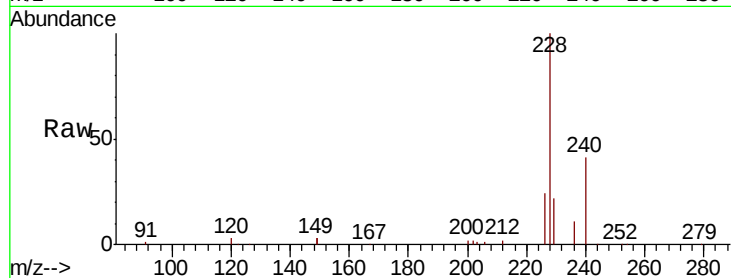




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.39 min Scan# 1632  
Delta R.T. -0.00 min  
Lab File: BE099081.D  
Acq: 22 Mar 2019 14:34

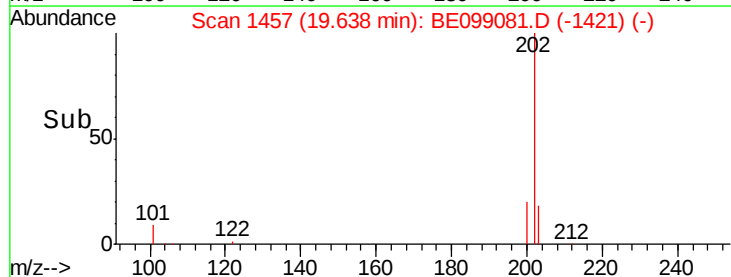
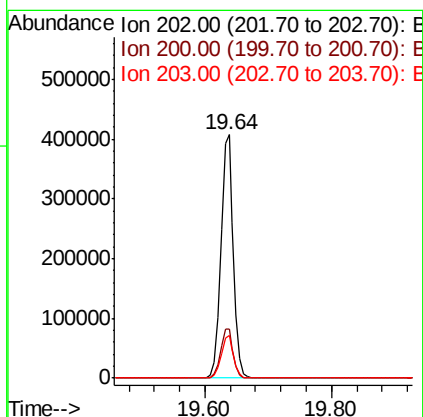
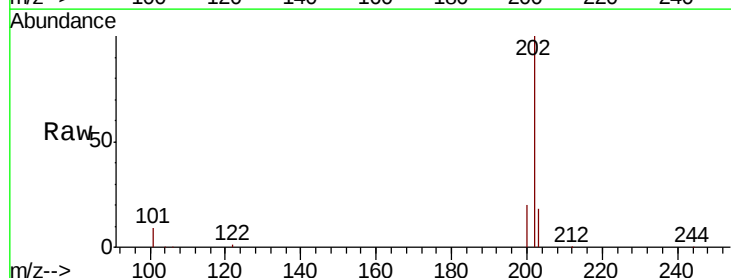
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC5.0

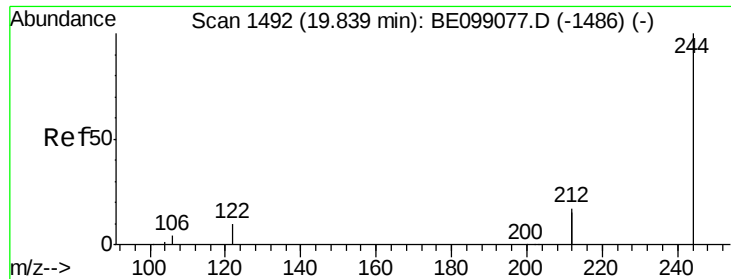
Tot Ion:240 Resp: 33458  
Ion Ratio Lower Upper  
240 100  
120 7.0 5.0 7.6  
236 27.1 22.2 33.4



#28  
Pyrene  
Concen: 5.392 ng  
RT: 19.64 min Scan# 1457  
Delta R.T. 0.01 min  
Lab File: BE099081.D  
Acq: 22 Mar 2019 14:34

Tgt Ion:202 Resp: 551921  
Ion Ratio Lower Upper  
202 100  
200 20.4 16.1 24.1  
203 17.6 14.0 21.0





#29

Terphenyl-d14

Concen: 4.386 ng

RT: 19.84 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA\_E

ClientSampleId :

SSTDICC5.0

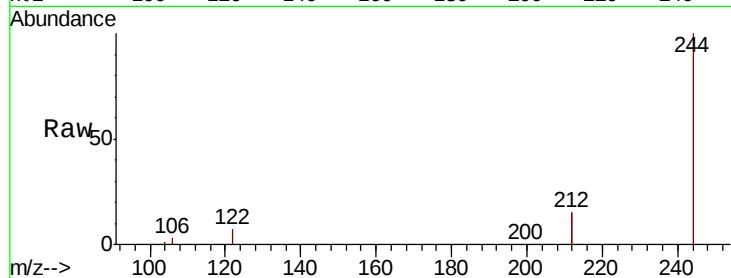
Tot Ion:244 Resp: 356657

Ion Ratio Lower Upper

244 100

212 29.8 26.9 40.3

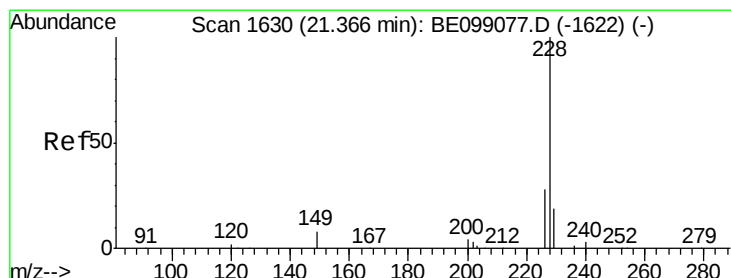
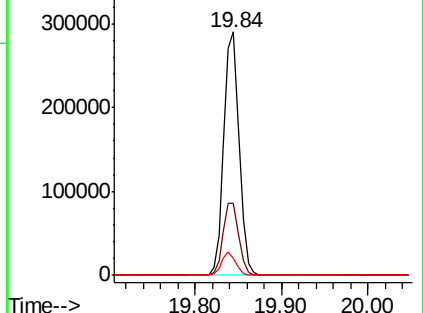
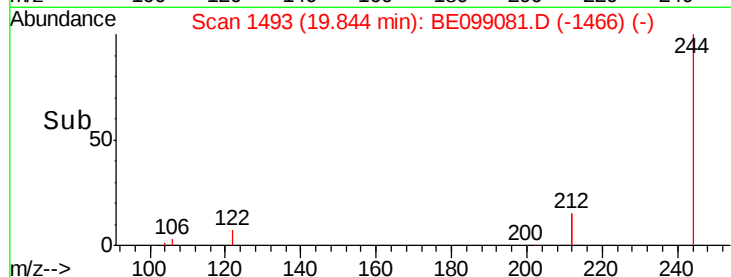
122 7.2 7.8 11.8#



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: 5.335 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.01 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

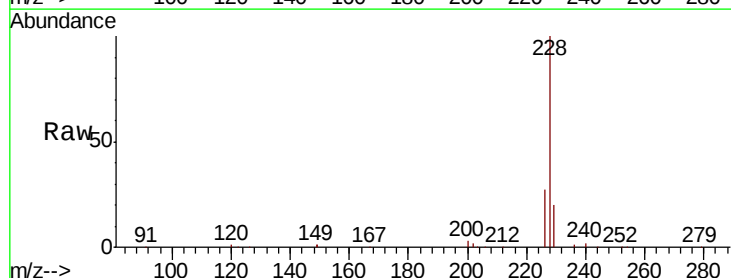
Tgt Ion:228 Resp: 557092

Ion Ratio Lower Upper

228 100

226 26.6 22.4 33.6

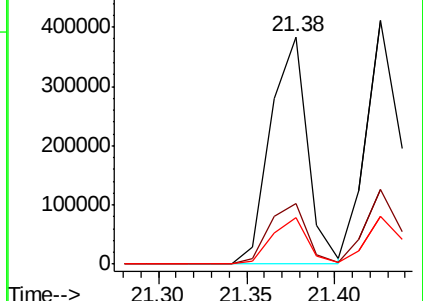
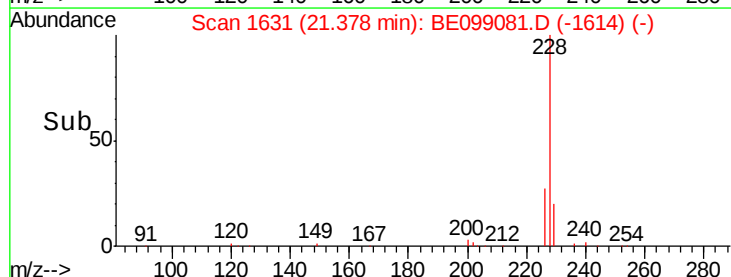
229 20.3 15.6 23.4

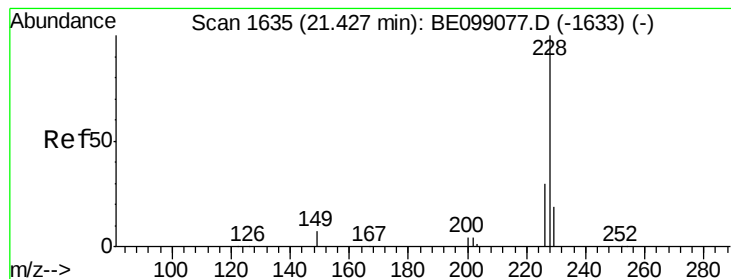


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 4.881 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA\_E

ClientSampled :

SSTDICC5.0

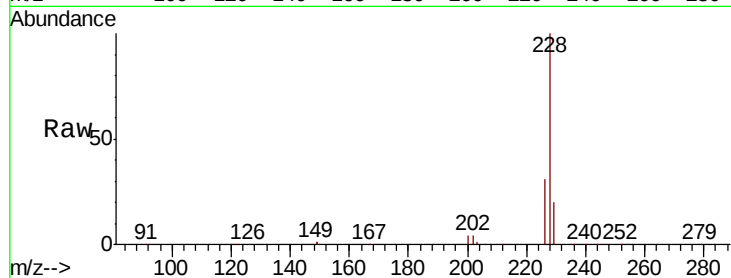
Tot Ion:228 Resp: 545303

Ion Ratio Lower Upper

228 100

226 30.8 24.3 36.5

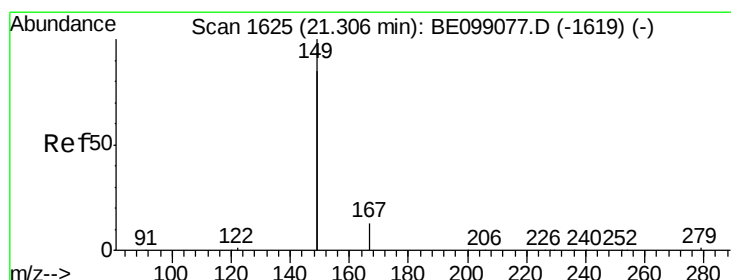
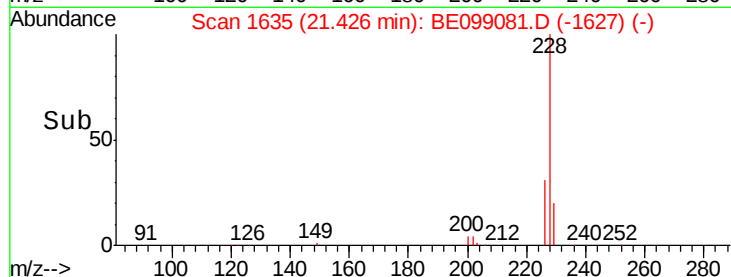
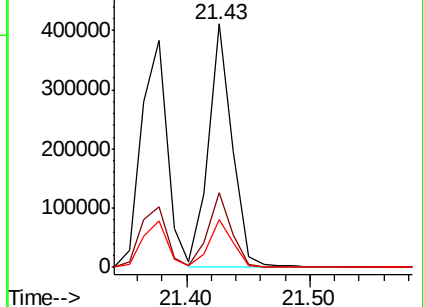
229 19.8 15.5 23.3



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: 3.727 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

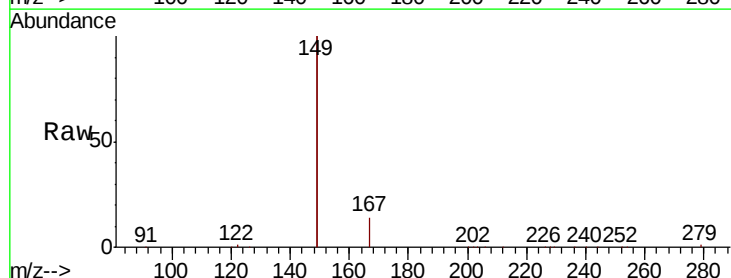
Tgt Ion:149 Resp: 828133

Ion Ratio Lower Upper

149 100

167 7.2 5.7 8.5

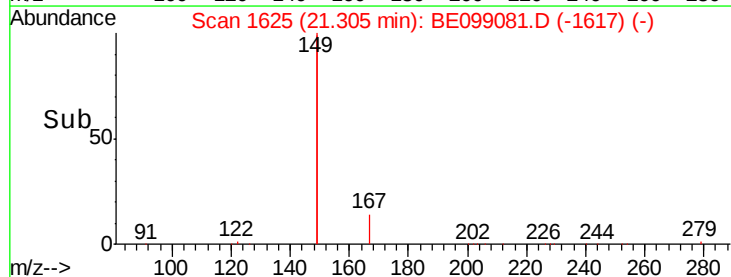
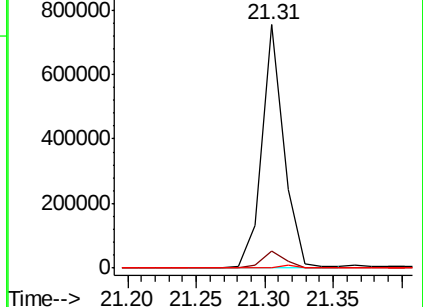
279 1.0 0.8 1.2

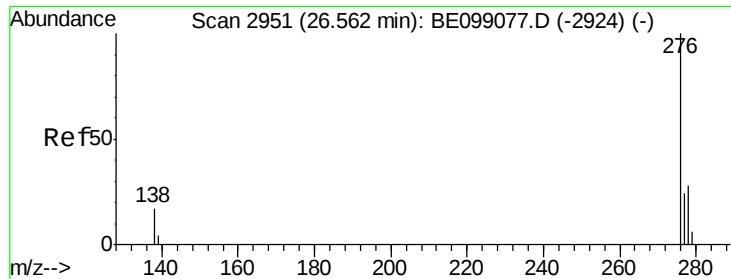


Abundance Ion 149.00 (148.70 to 149.70): E

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: 5.198 ng

RT: 26.57 min Scan# 2953

Delta R.T. 0.01 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA\_E

ClientSampleId :

SSTDICC5.0

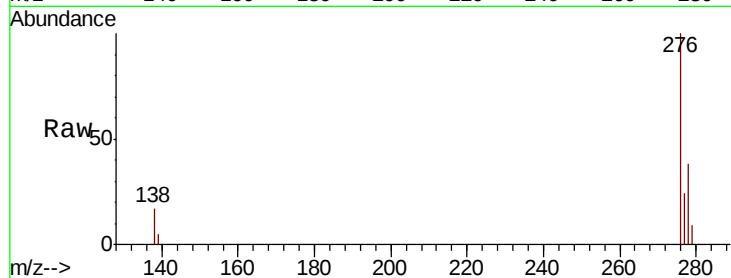
Tot Ion:276 Resp: 613065

Ion Ratio Lower Upper

276 100

138 19.1 15.8 23.8

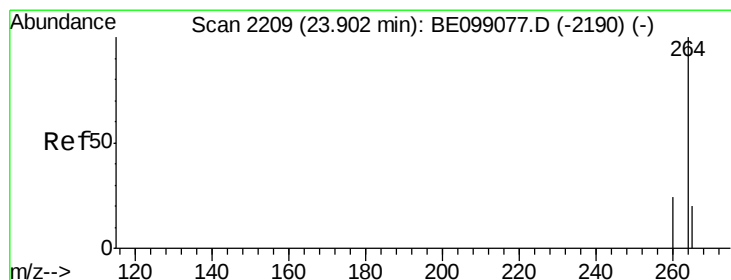
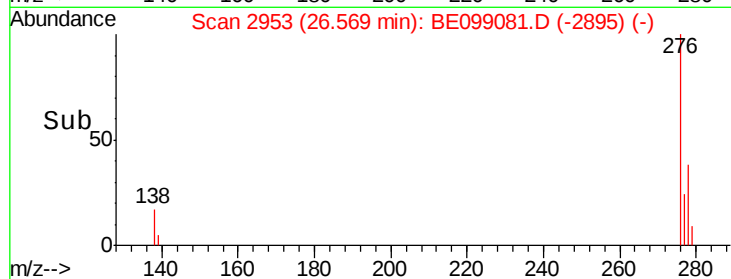
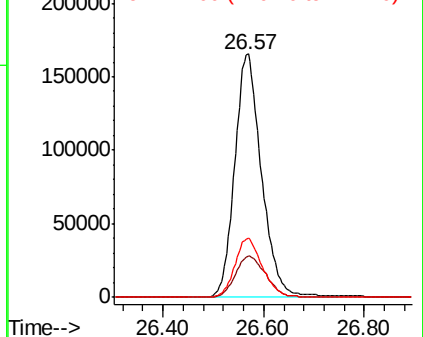
277 24.8 19.4 29.2



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: 23.90 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

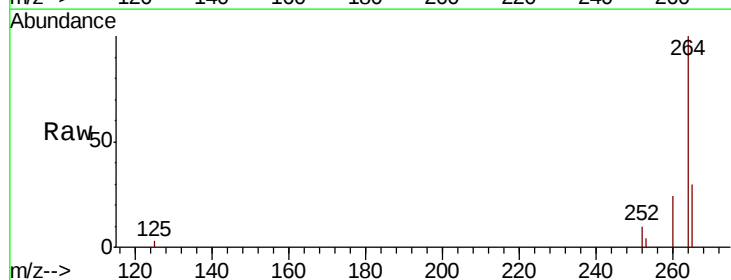
Tgt Ion:264 Resp: 33007

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

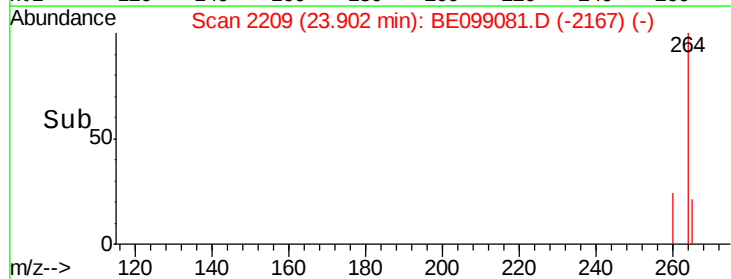
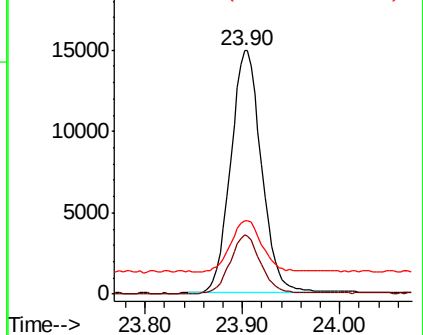
265 30.2 24.1 36.1



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: 5.019 ng

RT: 23.13 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA\_E

ClientSampleId :

SSTDICC5.0

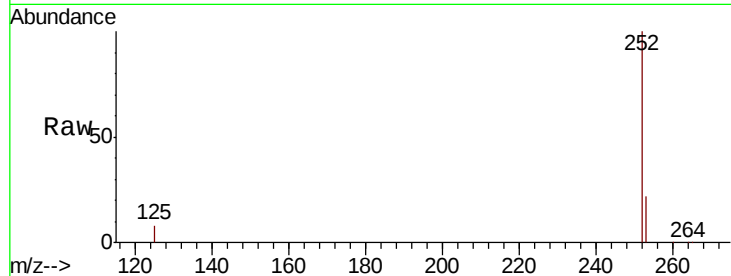
Tot Ion:252 Resp: 544695

Ion Ratio Lower Upper

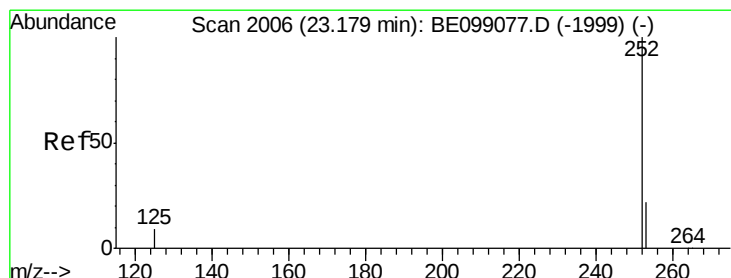
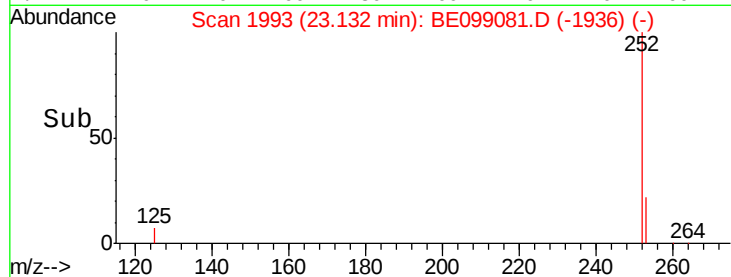
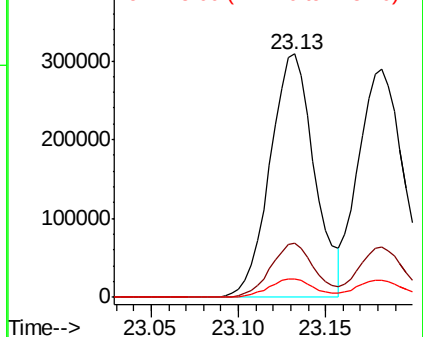
252 100

253 22.1 18.4 27.6

125 7.5 7.0 10.4



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 4.695 ng

RT: 23.18 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

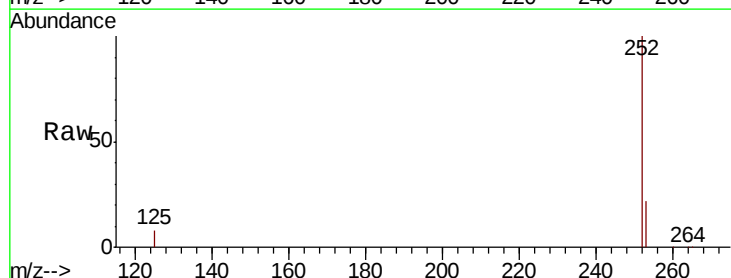
Tgt Ion:252 Resp: 533457

Ion Ratio Lower Upper

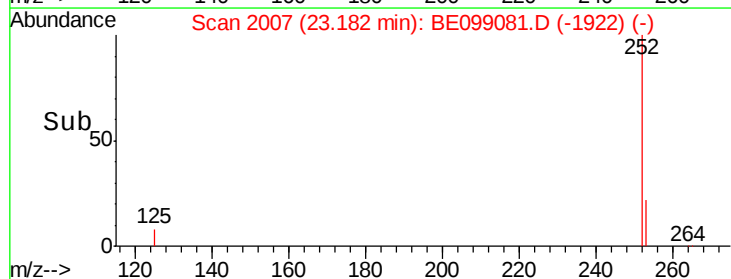
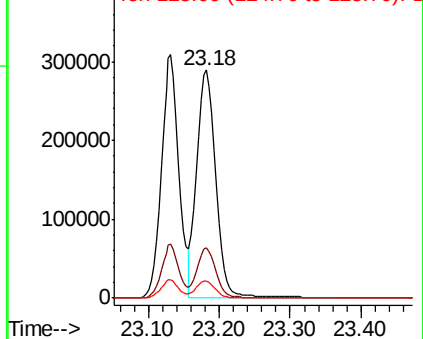
252 100

253 22.2 18.6 28.0

125 7.7 7.8 11.6#



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

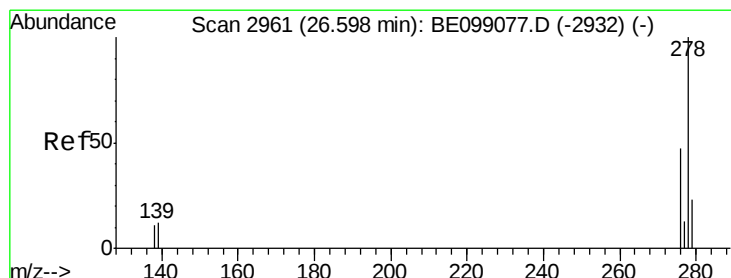
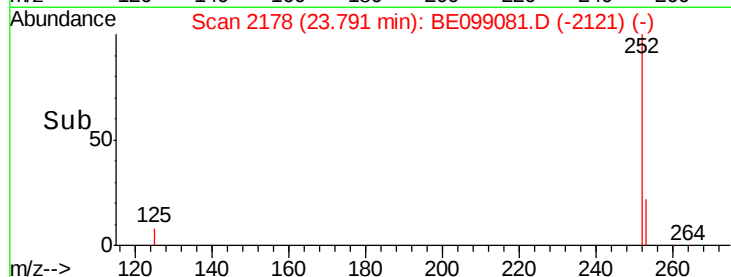
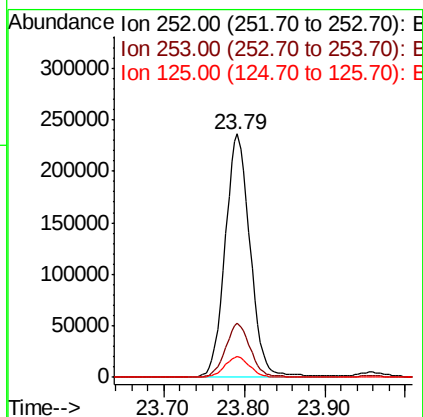
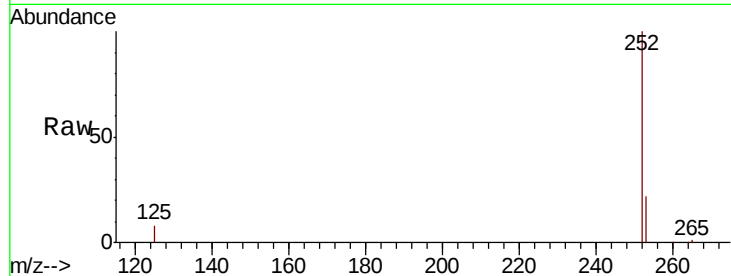




#37  
Benzo(a)pyrene  
Concen: 4.850 ng  
RT: 23.79 min Scan# 2178  
Delta R.T. 0.00 min  
Lab File: BE099081.D  
Acq: 22 Mar 2019 14:34

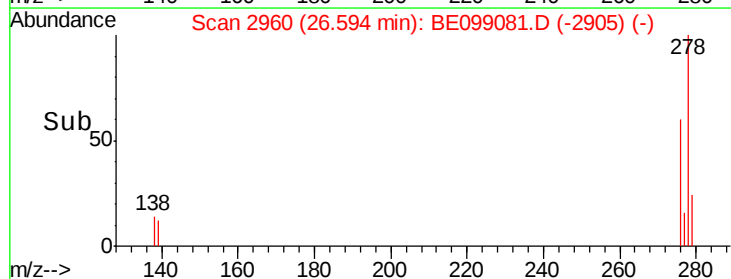
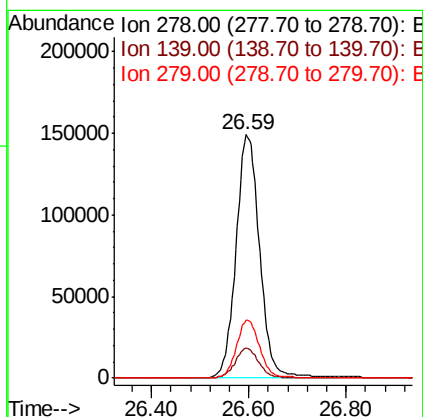
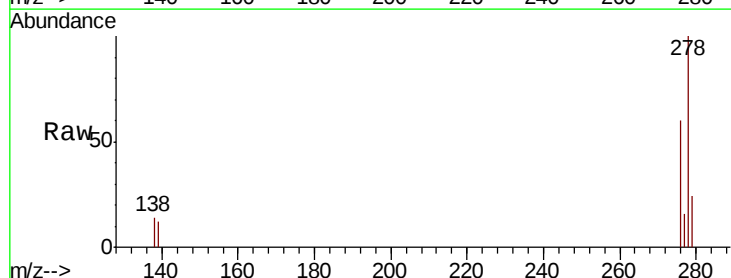
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC5.0

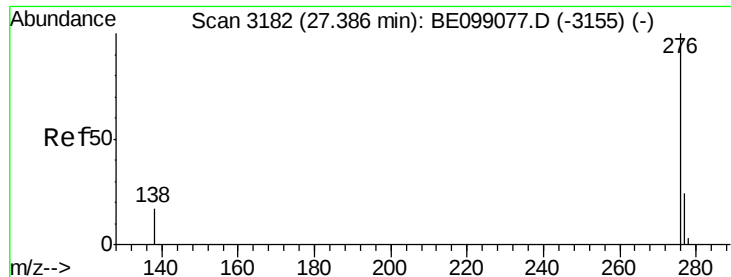
Tot Ion:252 Resp: 504702  
Ion Ratio Lower Upper  
252 100  
253 22.0 19.3 28.9  
125 8.3 8.3 12.5



#38  
Dibenzo(a,h)anthracene  
Concen: 5.132 ng  
RT: 26.59 min Scan# 2960  
Delta R.T. -0.00 min  
Lab File: BE099081.D  
Acq: 22 Mar 2019 14:34

Tgt Ion:278 Resp: 505232  
Ion Ratio Lower Upper  
278 100  
139 12.3 10.6 16.0  
279 23.8 19.4 29.2





#39

Benzo(a,h,i)perylene

Concen: 4.880 ng

RT: 27.39 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA\_E

ClientSampleId :

SSTDICC5.0

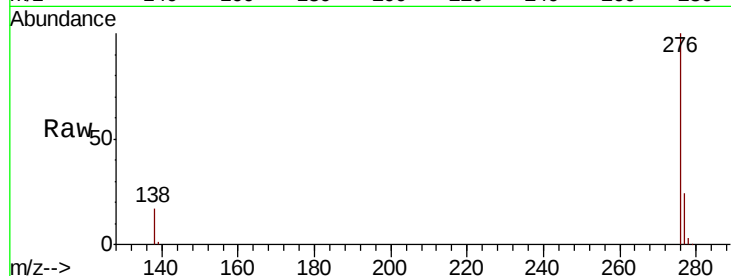
Tot Ion: 276 Resp: 502490

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.2

138 16.6 14.6 21.8



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

