

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071619\  
 Data File : BE100440.D  
 Acq On : 16 Jul 2019 10:58  
 Operator : HP/JU  
 Sample : SSTDICC1.6  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC1.6

Quant Time: Jul 16 12:59:09 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 16 12:52:21 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.89  | 152  | 5003     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.68 | 136  | 20012    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.51 | 164  | 11127    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 26613    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.39 | 240  | 30787    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.88 | 264  | 26125    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| System Monitoring Compounds |       |     |        |      |    |      |
| 4) 2-Fluorophenol           | 5.47  | 112 | 16011  | 1.58 | ng | 0.00 |
| 5) Phenol-d6                | 7.04  | 99  | 23468  | 1.60 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.03  | 82  | 17756  | 1.74 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152 | 49987  | 1.13 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.98 | 330 | 4486   | 1.56 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.14 | 172 | 77057  | 1.56 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.25 | 212 | 533245 | 1.13 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.85 | 244 | 121610 | 1.63 | ng | 0.00 |

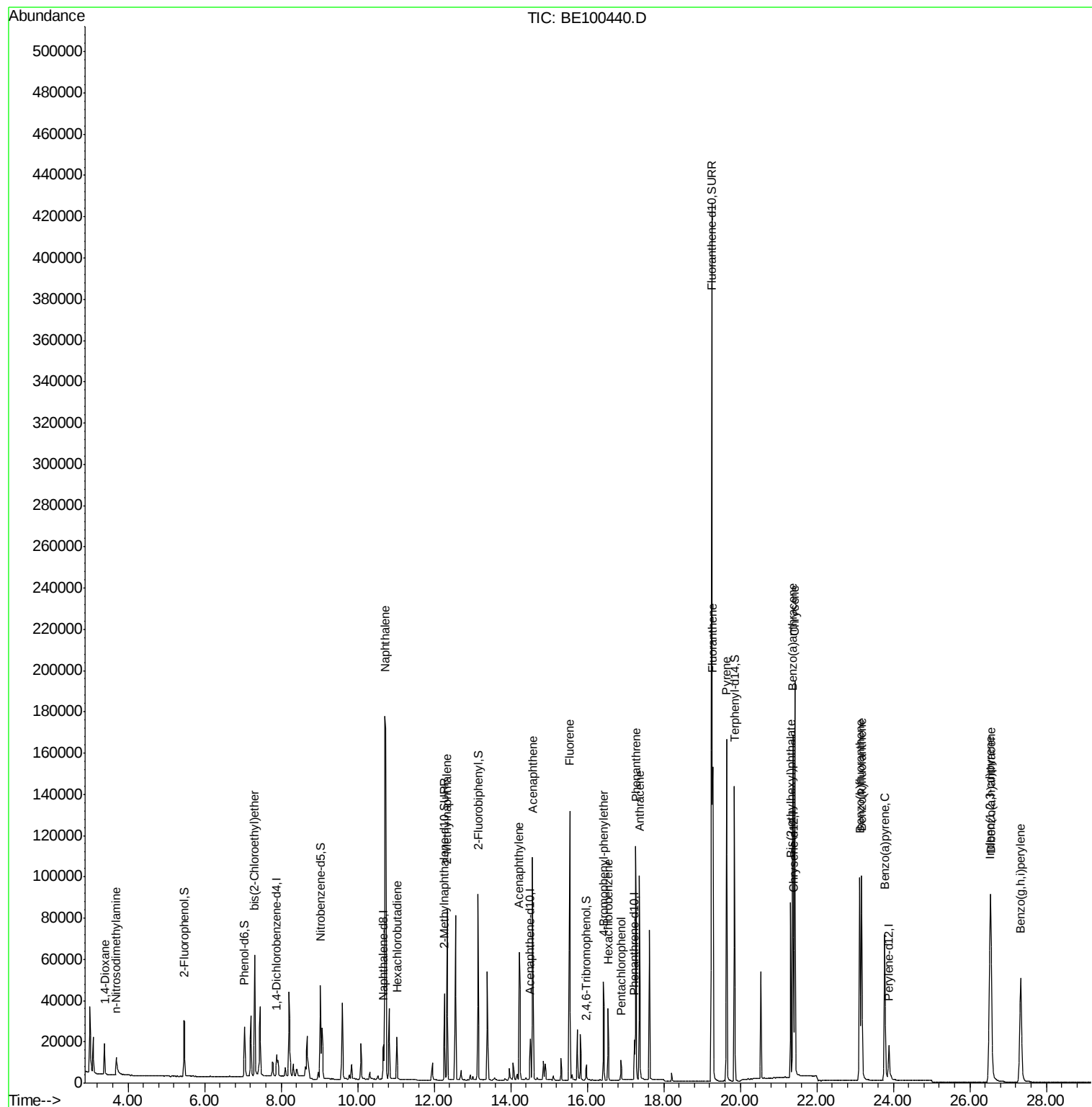
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.38  | 88  | 10815  | 1.502  | ng | 96   |
| 3) n-Nitrosodimethylamine      | 3.69  | 42  | 7924   | 1.794  | ng | # 85 |
| 6) bis(2-Chloroethyl)ether     | 7.31  | 93  | 23534  | 1.654  | ng | 99   |
| 9) Naphthalene                 | 10.72 | 128 | 318264 | 1.633  | ng | 100  |
| 10) Hexachlorobutadiene        | 11.03 | 225 | 15182  | 1.631  | ng | 98   |
| 12) 2-Methylnaphthalene        | 12.34 | 142 | 54159  | 1.650  | ng | 100  |
| 16) Acenaphthylene             | 14.23 | 152 | 75735  | 1.642  | ng | 99   |
| 17) Acenaphthene               | 14.57 | 154 | 51236  | 1.629  | ng | 98   |
| 18) Fluorene                   | 15.54 | 166 | 67000  | 1.660  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.42 | 248 | 23581  | 1.732  | ng | 97   |
| 21) Hexachlorobenzene          | 16.55 | 284 | 27478  | 1.763  | ng | 99   |
| 22) Pentachlorophenol          | 16.88 | 266 | 4987   | 1.625  | ng | 91   |
| 23) Phenanthrene               | 17.27 | 178 | 117824 | 1.704  | ng | 100  |
| 24) Anthracene                 | 17.36 | 178 | 100894 | 1.721  | ng | 100  |
| 26) Fluoranthene               | 19.28 | 202 | 154060 | 1.722  | ng | 100  |
| 28) Pyrene                     | 19.64 | 202 | 148686 | 1.651  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.38 | 228 | 142168 | 1.684  | ng | 99   |
| 31) Chrysene                   | 21.43 | 228 | 161339 | 1.627  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 95746  | 1.484  | ng | # 99 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.52 | 276 | 147889 | 1.647  | ng | 100  |
| 35) Benzo(b)fluoranthene       | 23.12 | 252 | 138091 | 1.683  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 23.17 | 252 | 151333 | 1.763  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.78 | 252 | 118094 | 1.720  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 26.55 | 278 | 126367 | 1.763  | ng | 98   |
| 39) Benzo(g,h,i)perylene       | 27.33 | 276 | 126362 | 1.697  | ng | 99   |

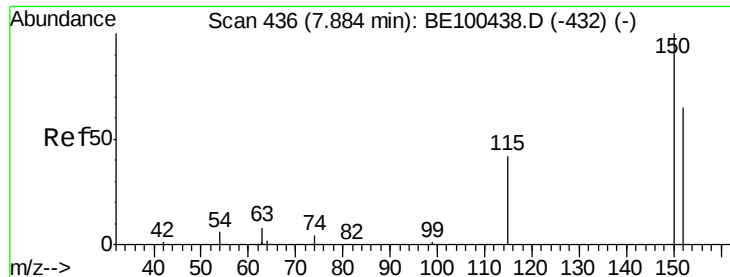
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 16 12:52:21 2019  
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.89 min Scan# 436

Delta R.T. 0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

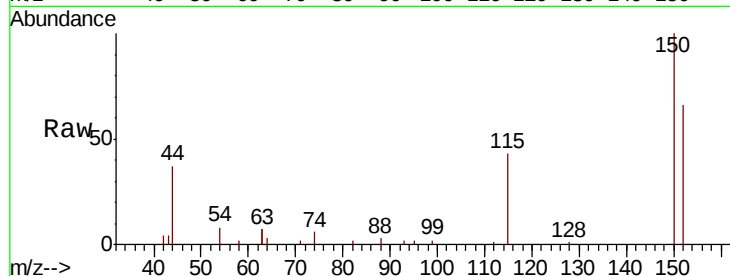
Tot Ion:152 Resp: 5003

Ion Ratio Lower Upper

152 100

150 151.9 121.7 182.5

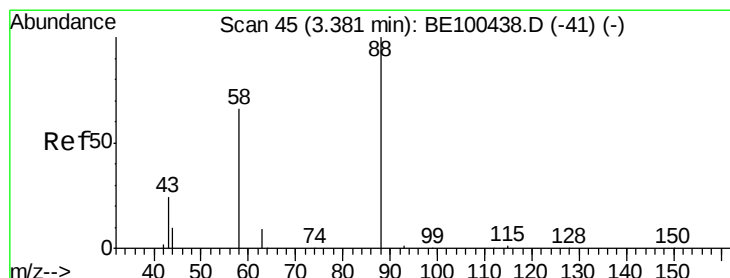
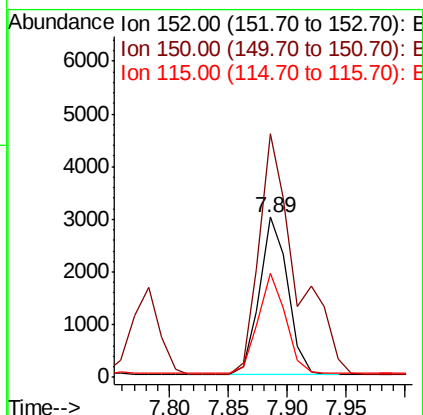
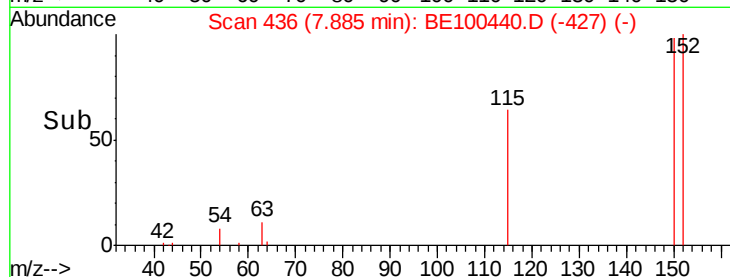
115 65.2 52.4 78.6



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: 1.502 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

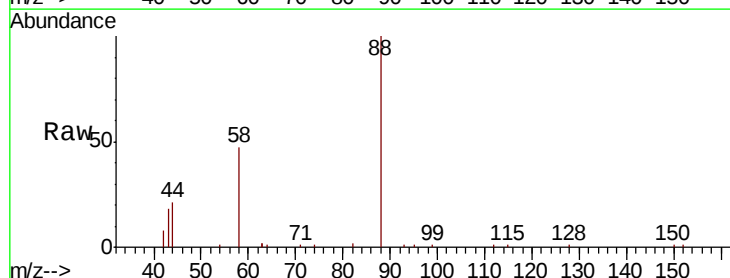
Tgt Ion: 88 Resp: 10815

Ion Ratio Lower Upper

88 100

58 77.0 57.8 86.8

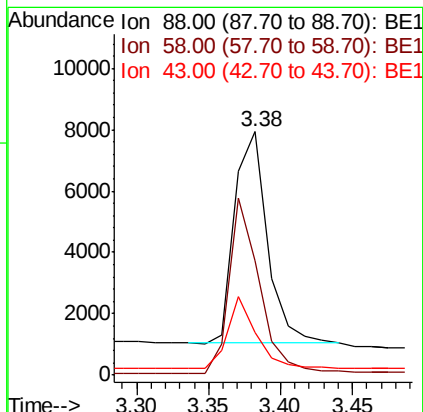
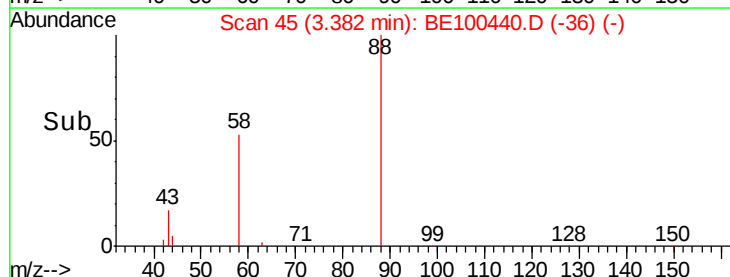
43 30.5 25.0 37.6

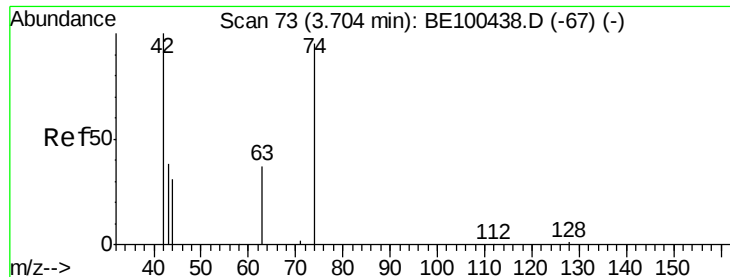


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 1.794 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.01 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

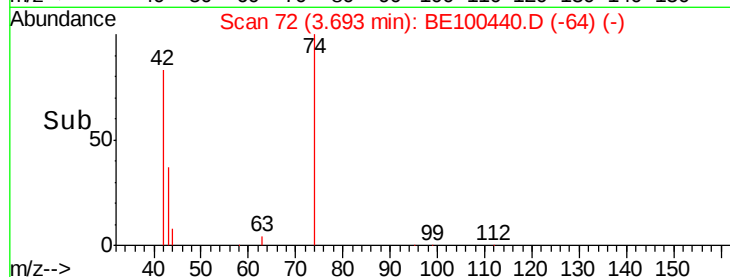
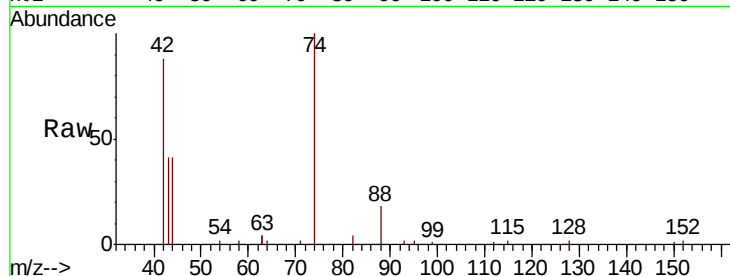
Tot Ion: 42 Resp: 7924

Ion Ratio Lower Upper

42 100

74 117.2 85.3 127.9

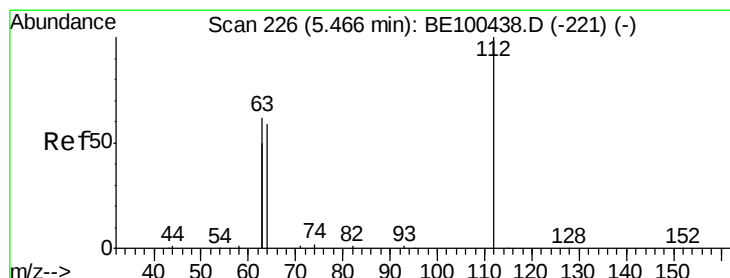
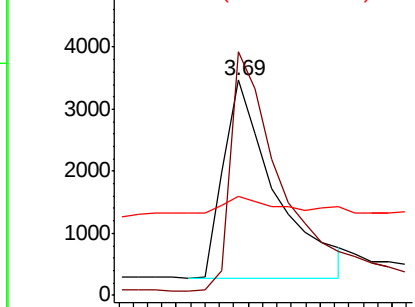
44 11.0 21.8 32.8#



Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 1.576 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

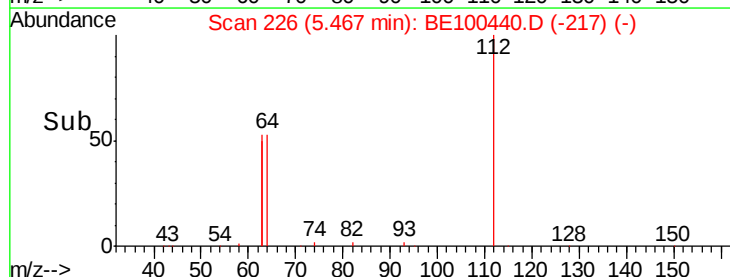
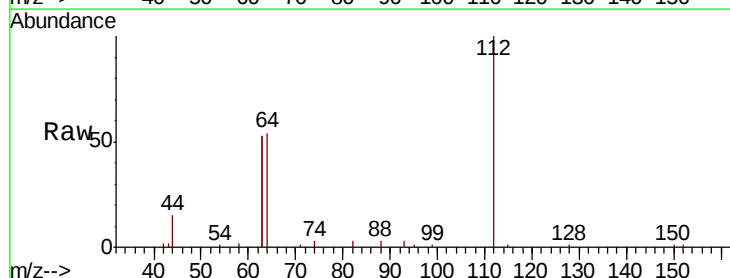
Tgt Ion: 112 Resp: 16011

Ion Ratio Lower Upper

112 100

64 67.2 55.0 82.4

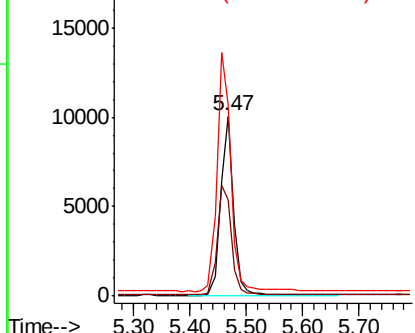
63 143.1 114.8 172.2

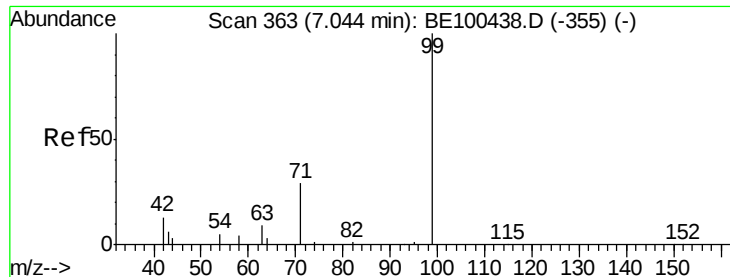


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 1.599 ng

RT: 7.04 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

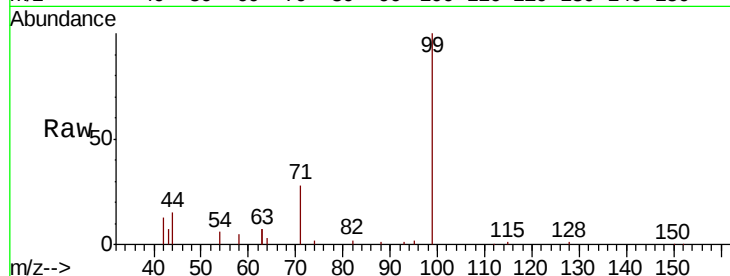
Tot Ion: 99 Resp: 23468

Ion Ratio Lower Upper

99 100

42 21.7 17.4 26.2

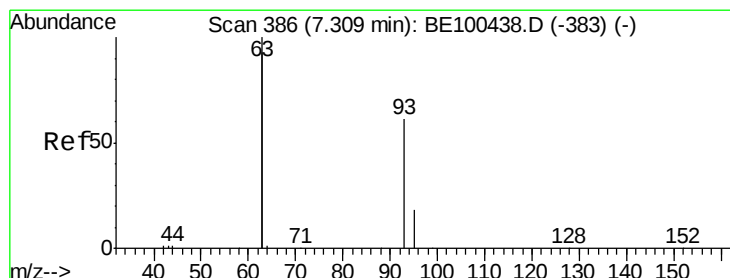
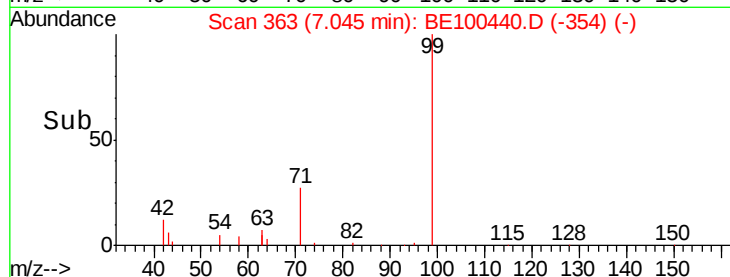
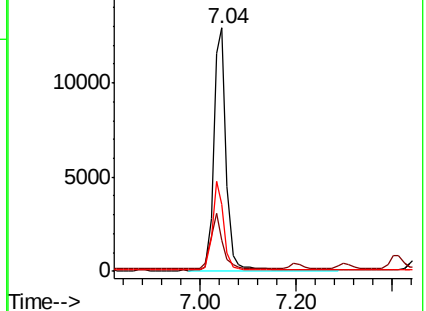
71 34.3 28.2 42.4



Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 1.654 ng

RT: 7.31 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

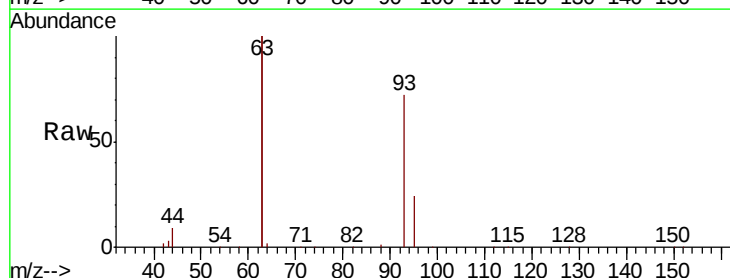
Tgt Ion: 93 Resp: 23534

Ion Ratio Lower Upper

93 100

63 335.6 266.9 400.3

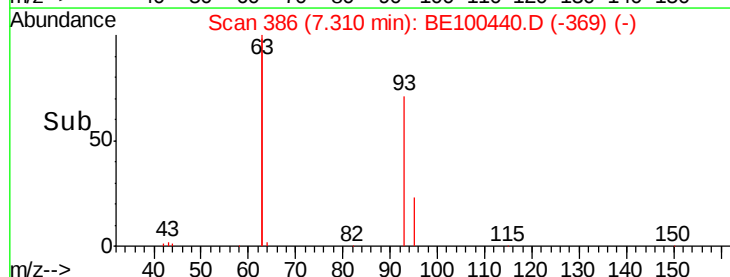
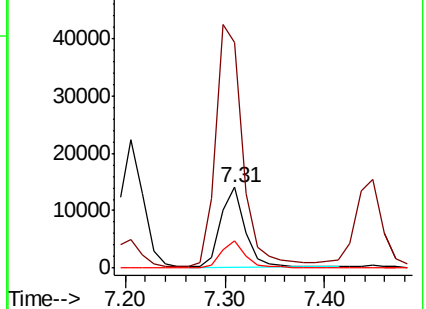
95 33.8 26.8 40.2

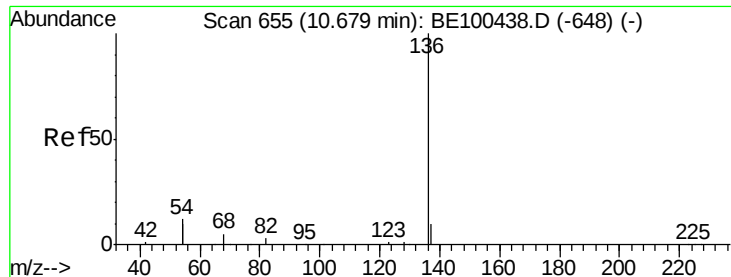


Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

Tot Ion:136 Resp: 20012

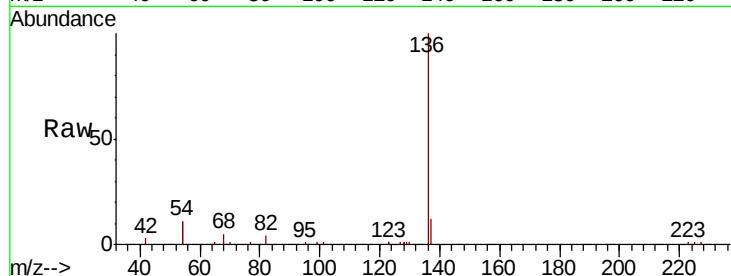
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 22.9 19.6 29.4

68 5.5 4.4 6.6

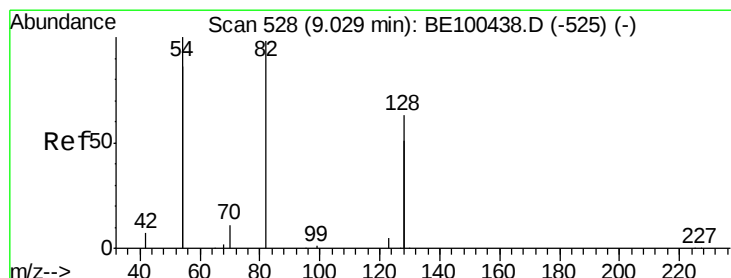
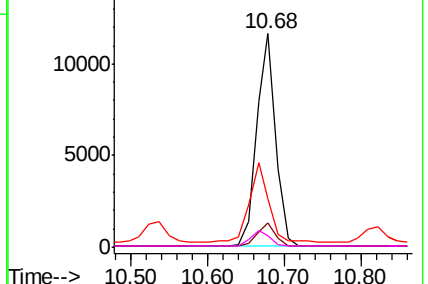
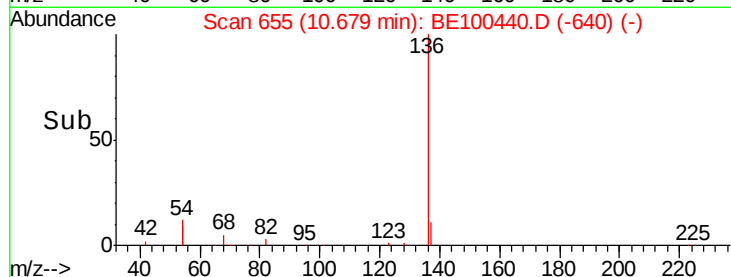


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 1.735 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

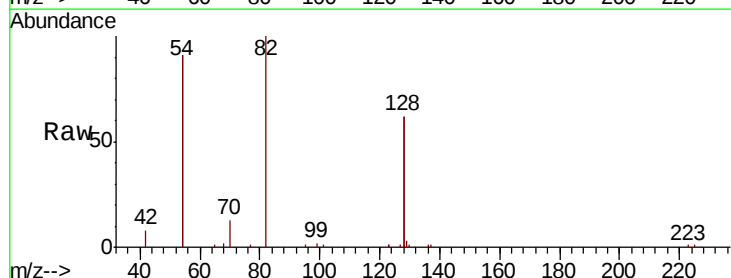
Tgt Ion: 82 Resp: 17756

Ion Ratio Lower Upper

82 100

128 124.1 97.9 146.9

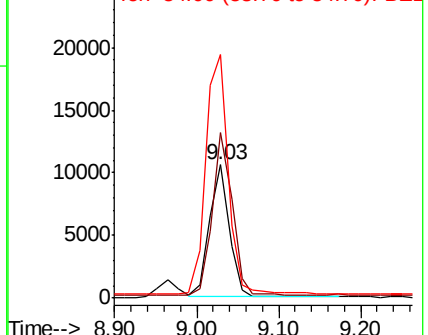
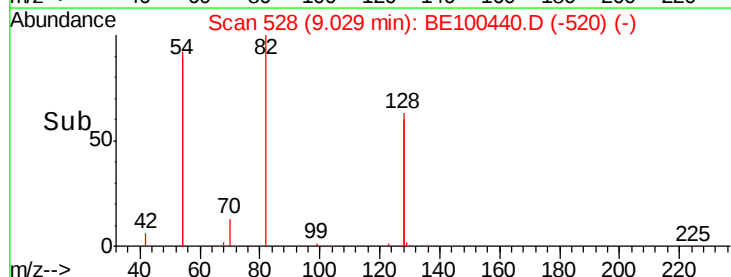
54 182.7 155.0 232.6

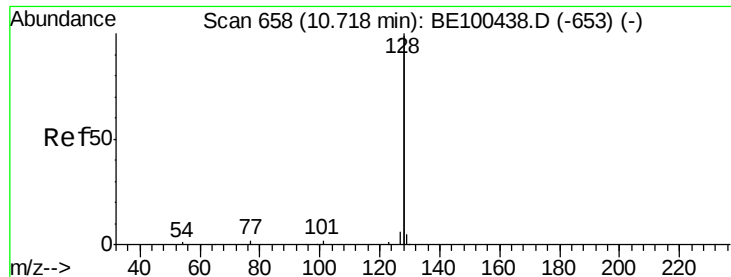


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 1.633 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

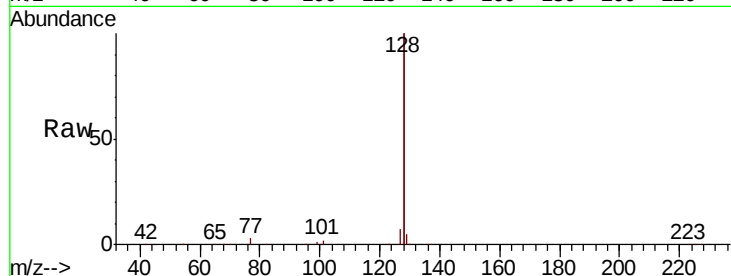
Tot Ion:128 Resp: 318264

Ion Ratio Lower Upper

128 100

129 2.6 2.2 3.4

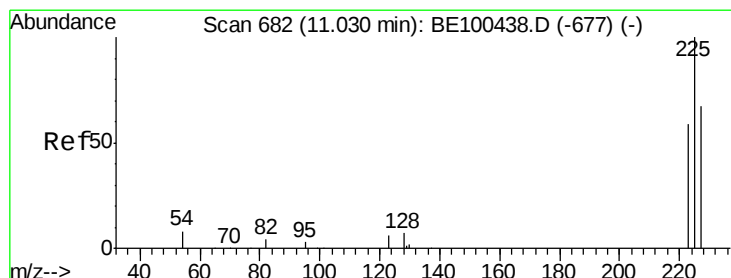
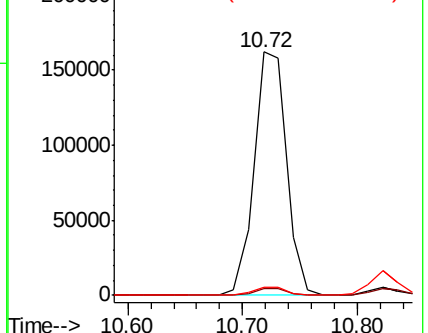
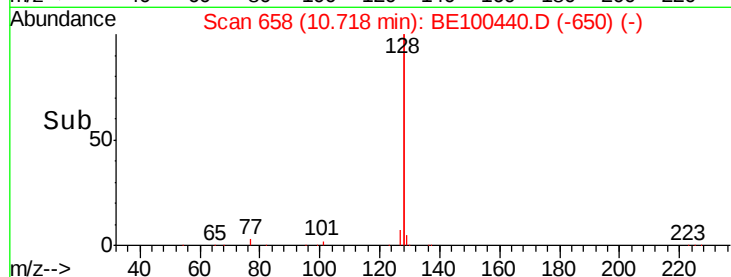
127 3.4 2.7 4.1



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: 1.631 ng

RT: 11.03 min Scan# 682

Delta R.T. -0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

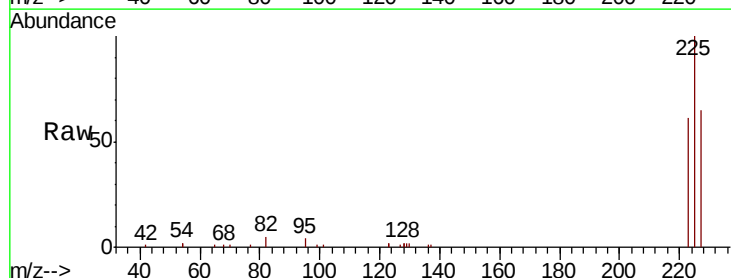
Tgt Ion:225 Resp: 15182

Ion Ratio Lower Upper

225 100

223 62.1 49.8 74.8

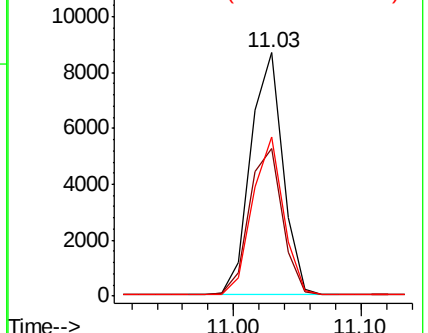
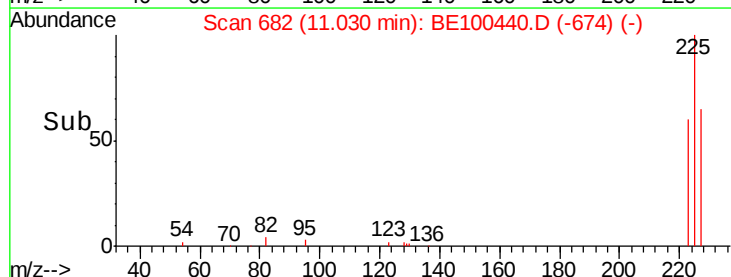
227 62.8 52.3 78.5

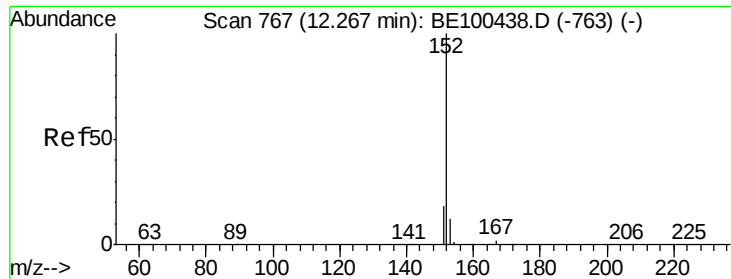


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

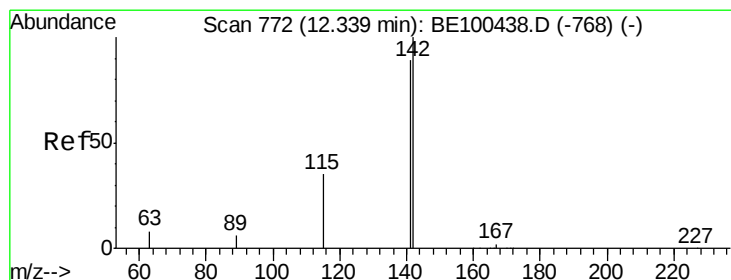
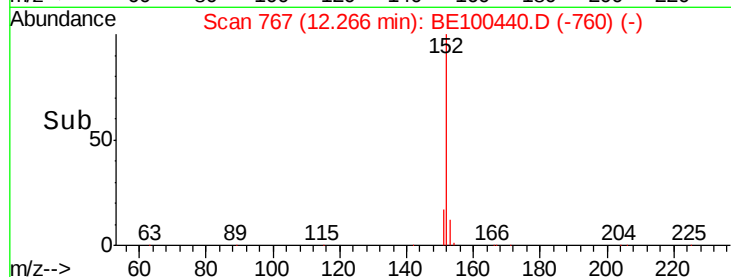
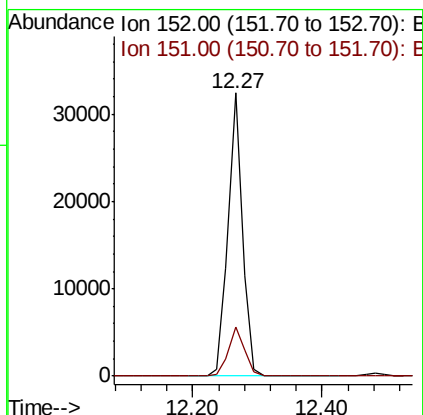
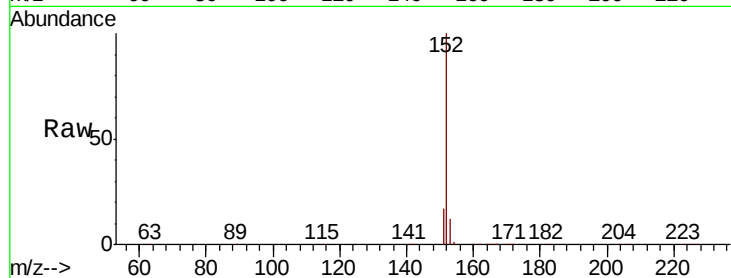




#11  
 2-Methylnaphthalene-d10  
 Concen: 1.132 ng  
 RT: 12.27 min Scan# 767  
 Delta R.T. -0.00 min  
 Lab File: BE100440.D  
 Acq: 16 Jul 2019 10:58

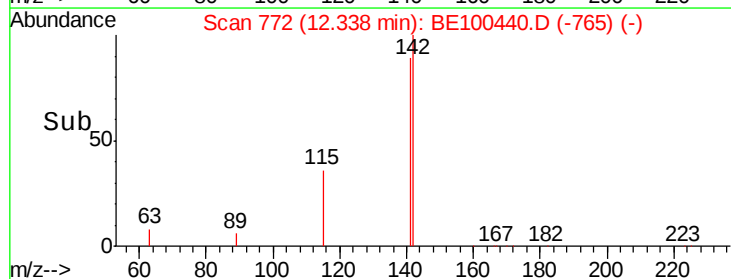
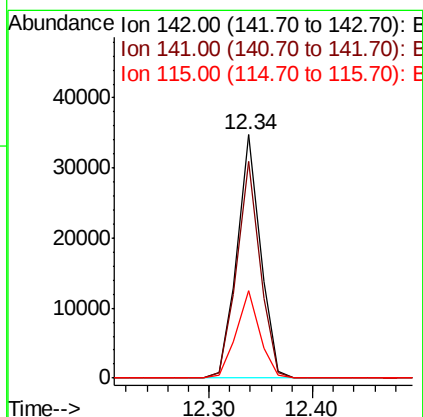
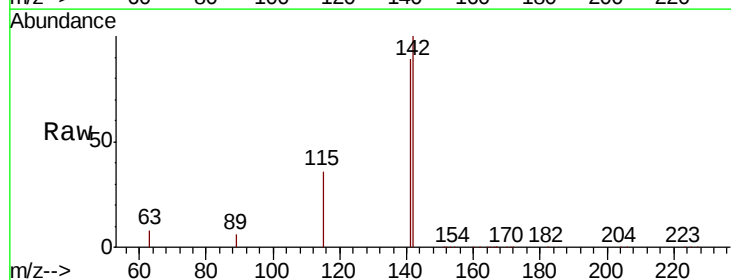
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC1.6

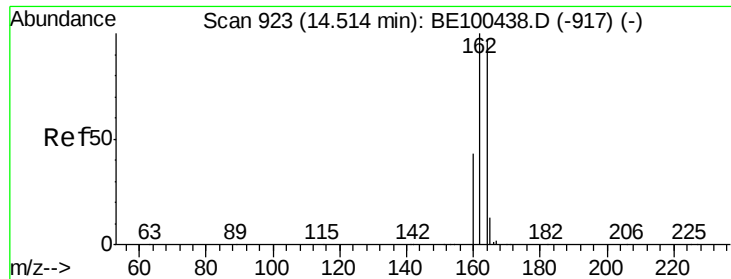
Tot Ion:152 Resp: 49987  
 Ion Ratio Lower Upper  
 152 100  
 151 18.9 16.0 24.0



#12  
 2-Methylnaphthalene  
 Concen: 1.650 ng  
 RT: 12.34 min Scan# 772  
 Delta R.T. -0.00 min  
 Lab File: BE100440.D  
 Acq: 16 Jul 2019 10:58

Tgt Ion:142 Resp: 54159  
 Ion Ratio Lower Upper  
 142 100  
 141 88.9 70.9 106.3  
 115 35.8 29.0 43.4

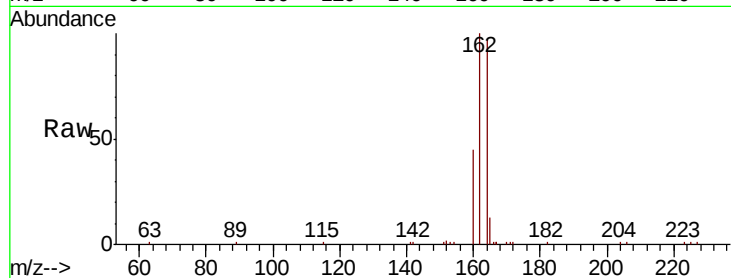




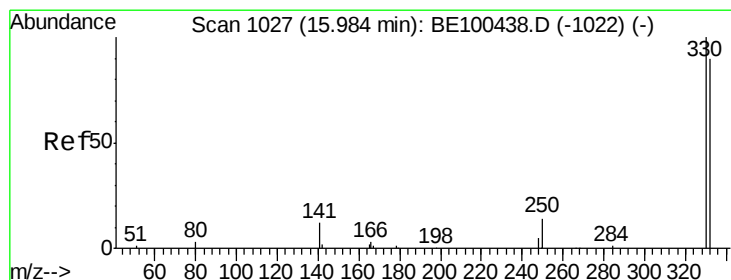
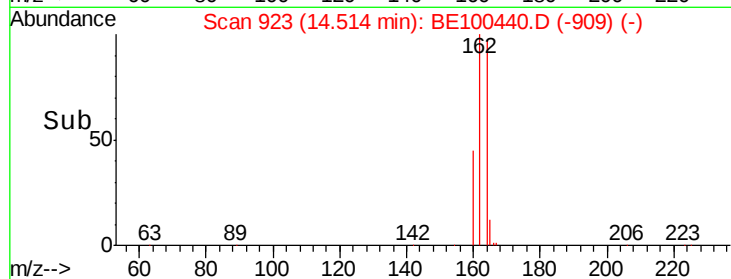
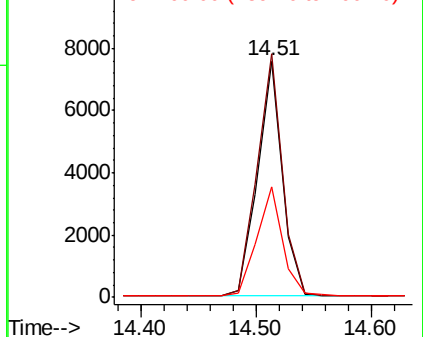
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.51 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: BE100440.D  
Acq: 16 Jul 2019 10:58

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

Tot Ion:164 Resp: 11127  
Ion Ratio Lower Upper  
164 100  
162 103.2 82.6 124.0  
160 46.6 35.6 53.4

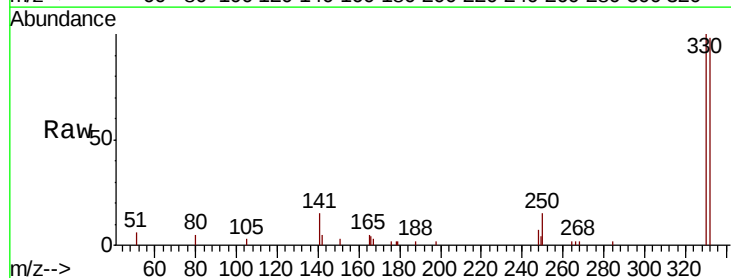


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

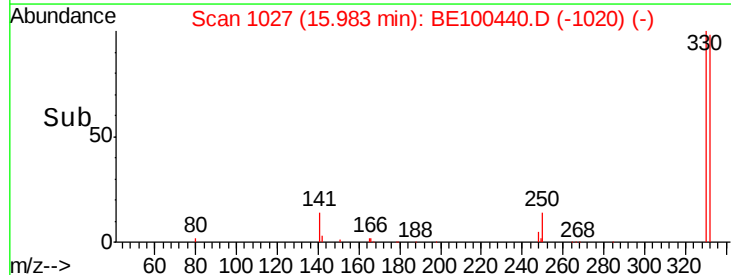
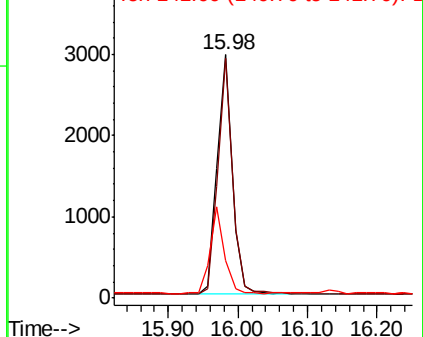


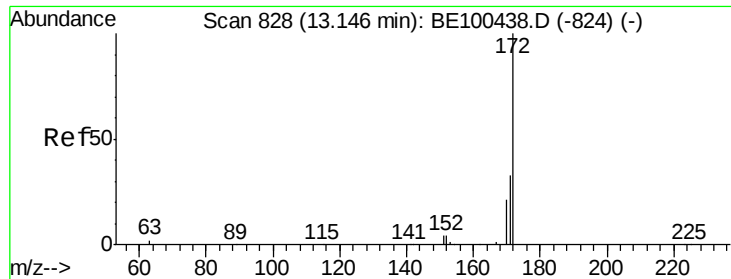
#14  
2,4,6-Tribromophenol  
Concen: 1.559 ng  
RT: 15.98 min Scan# 1027  
Delta R.T. -0.00 min  
Lab File: BE100440.D  
Acq: 16 Jul 2019 10:58

Tgt Ion:330 Resp: 4486  
Ion Ratio Lower Upper  
330 100  
332 95.6 76.3 114.5  
141 34.4 28.1 42.1



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

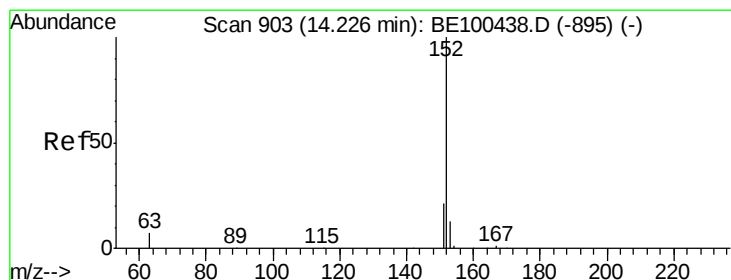
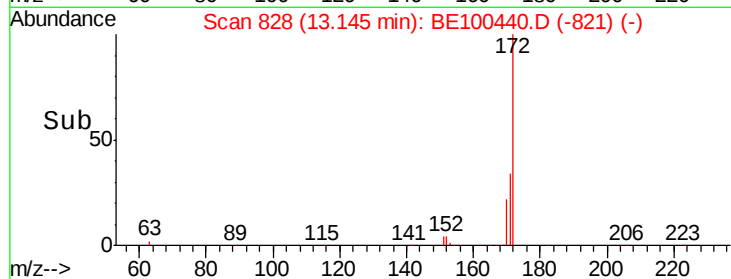
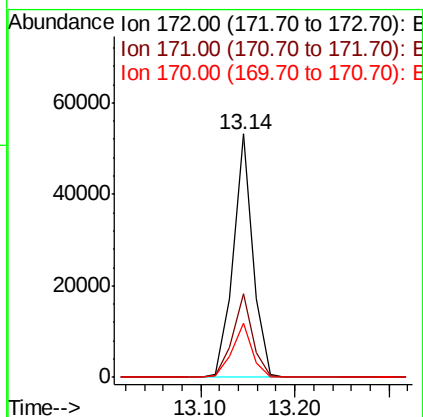
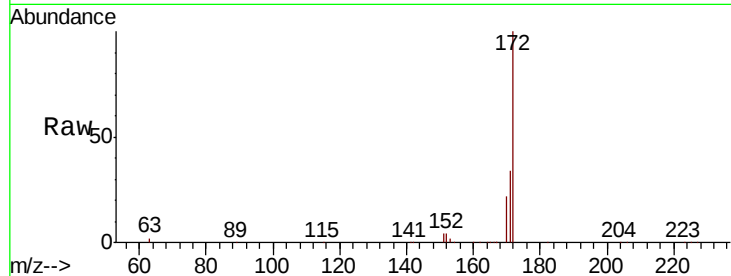




#15  
2-Fluorobiphenyl  
Concen: 1.562 ng  
RT: 13.14 min Scan# 828  
Delta R.T. -0.00 min  
Lab File: BE100440.D  
Acq: 16 Jul 2019 10:58

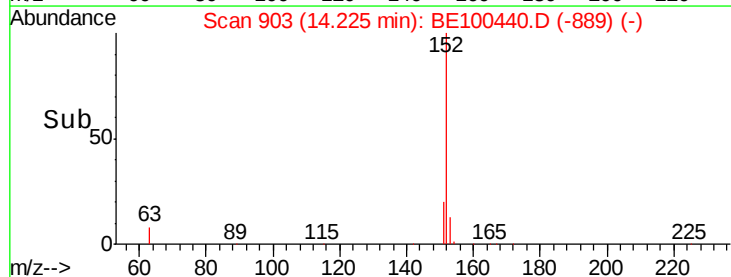
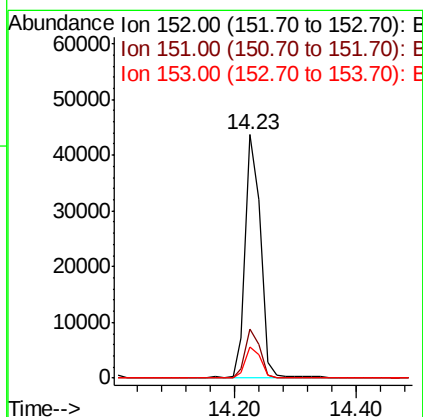
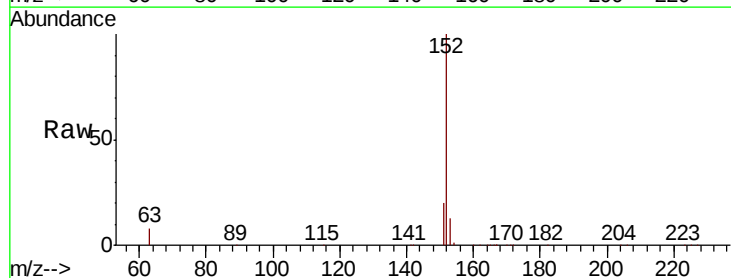
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC1.6

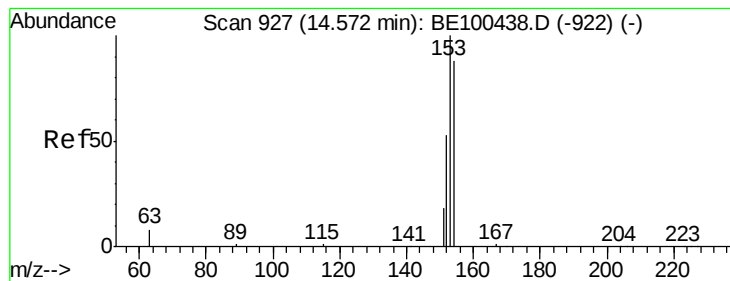
Tot Ion:172 Resp: 77057  
Ion Ratio Lower Upper  
172 100  
171 34.4 27.0 40.4  
170 22.2 17.4 26.0



#16  
Acenaphthylene  
Concen: 1.642 ng  
RT: 14.23 min Scan# 903  
Delta R.T. -0.00 min  
Lab File: BE100440.D  
Acq: 16 Jul 2019 10:58

Tgt Ion:152 Resp: 75735  
Ion Ratio Lower Upper  
152 100  
151 19.4 15.8 23.8  
153 12.9 10.4 15.6





#17

Acenaphthene

Concen: 1.629 ng

RT: 14.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

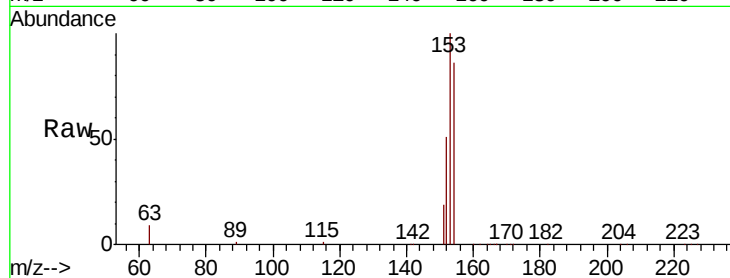
BNA\_E

ClientSampleId :

SSTDICC1.6

Tot Ion:154 Resp: 51236

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 113.5 | 91.0  | 136.4 |
| 152 | 58.2  | 49.4  | 74.2  |



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

50000

40000

30000

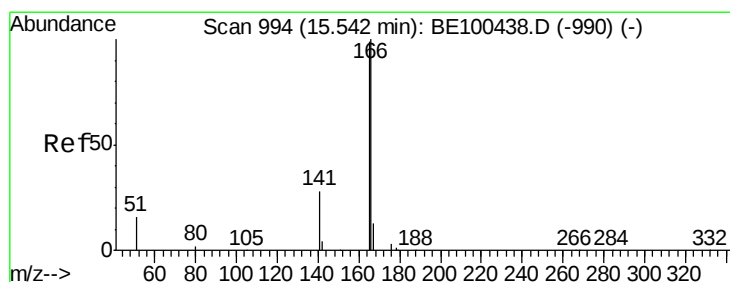
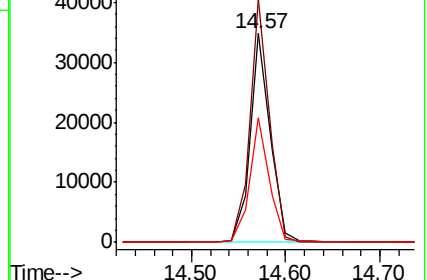
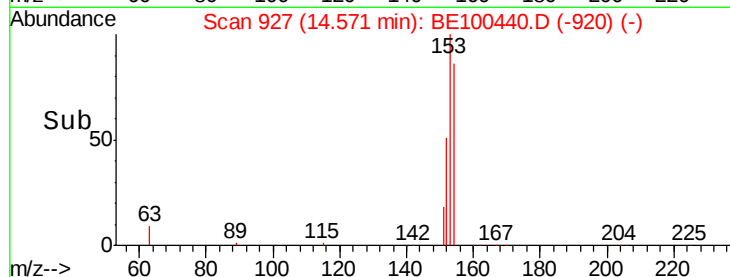
20000

10000

0

14.57

Time-->



#18

Fluorene

Concen: 1.660 ng

RT: 15.54 min Scan# 994

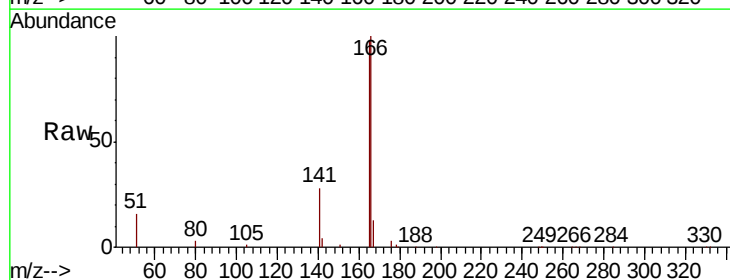
Delta R.T. -0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Tgt Ion:166 Resp: 67000

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 99.0  | 79.6  | 119.4 |
| 167 | 13.4  | 10.6  | 15.8  |



Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

60000

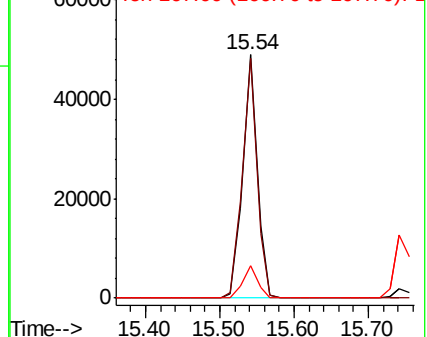
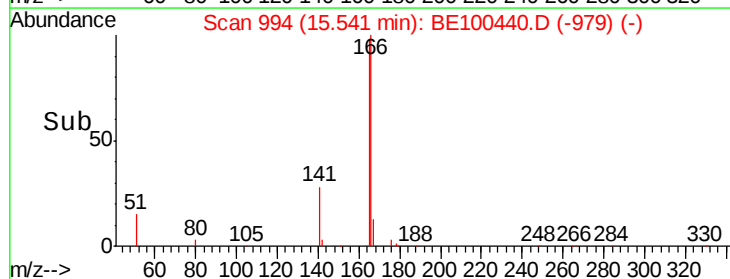
40000

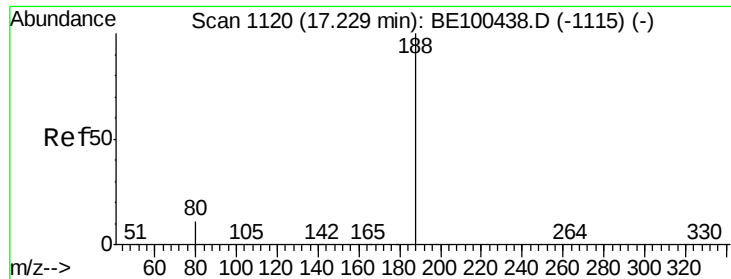
20000

0

15.54

Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

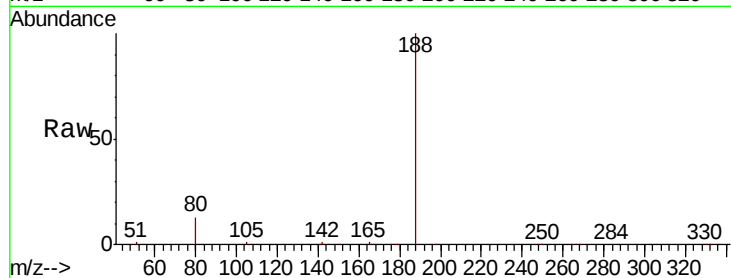
Tot Ion:188 Resp: 26613

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

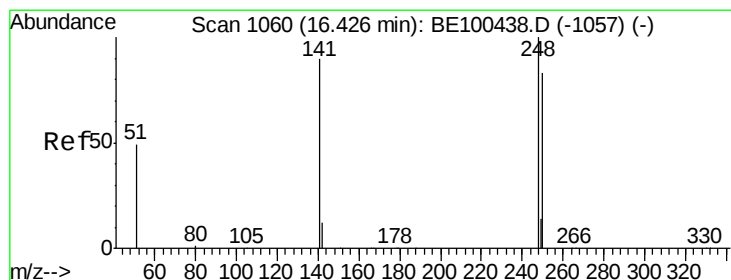
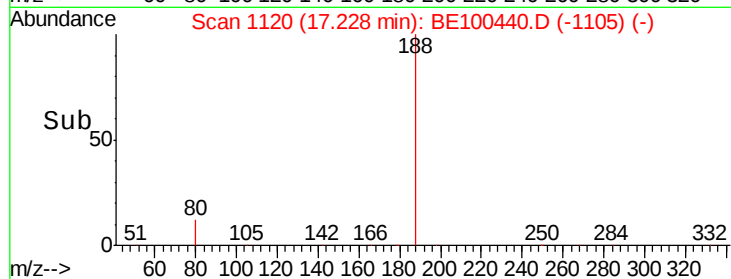
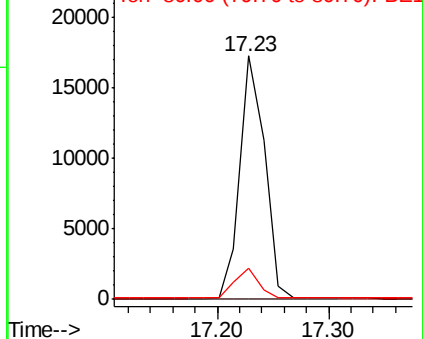
80 12.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 1.732 ng

RT: 16.42 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

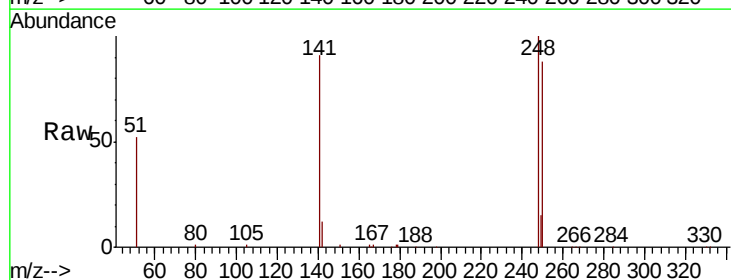
Tgt Ion:248 Resp: 23581

Ion Ratio Lower Upper

248 100

250 87.7 67.1 100.7

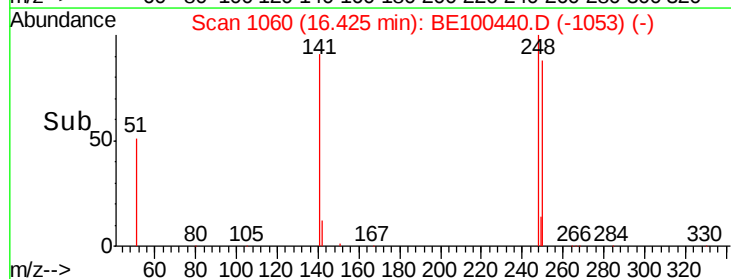
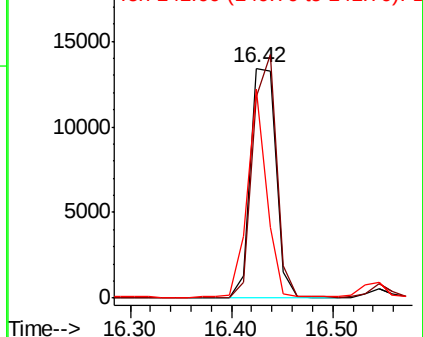
141 91.1 72.2 108.2

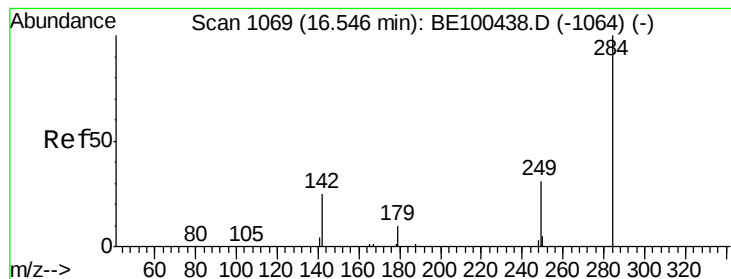


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 1.763 ng

RT: 16.55 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

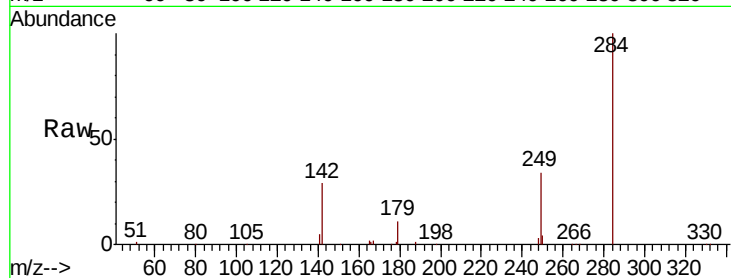
Tot Ion:284 Resp: 27478

Ion Ratio Lower Upper

284 100

142 31.5 25.6 38.4

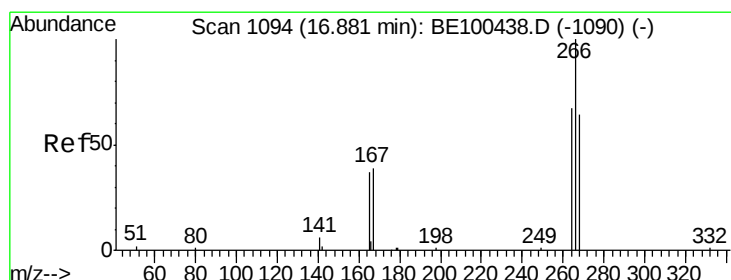
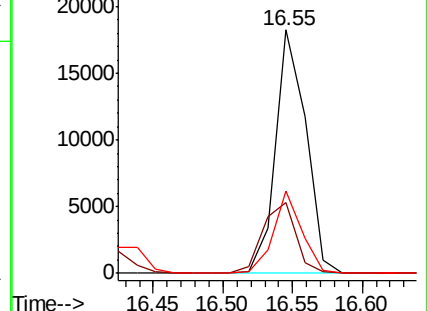
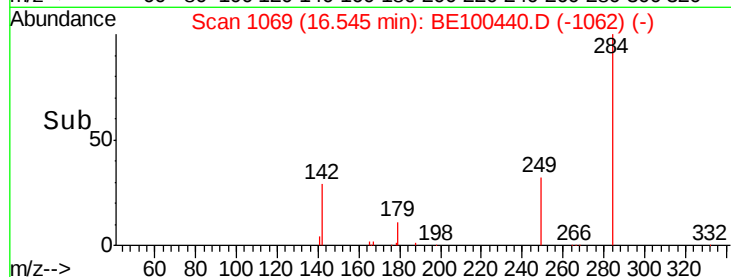
249 30.8 25.1 37.7



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: 1.625 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

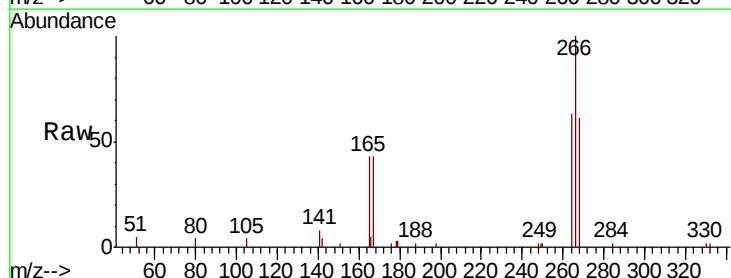
Tgt Ion:266 Resp: 4987

Ion Ratio Lower Upper

266 100

264 63.2 56.2 84.2

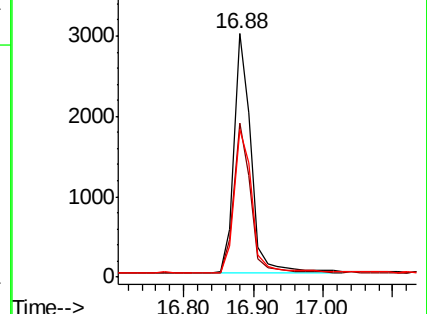
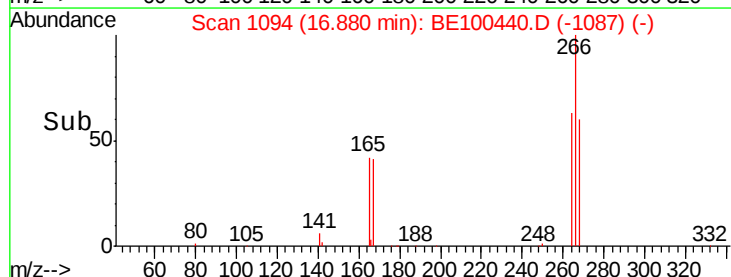
268 60.7 54.9 82.3

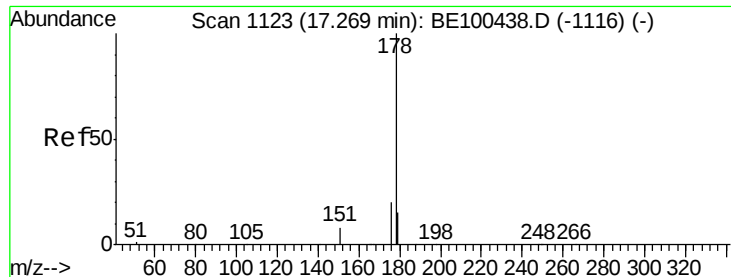


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.704 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

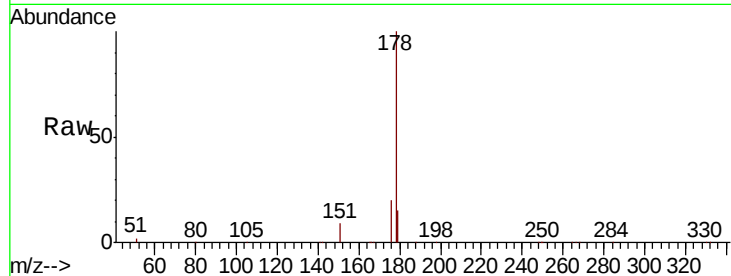
Tot Ion:178 Resp: 117824

Ion Ratio Lower Upper

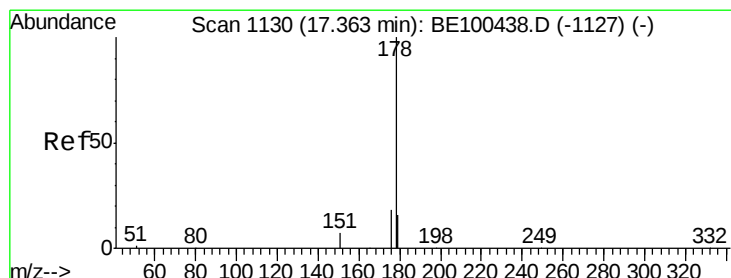
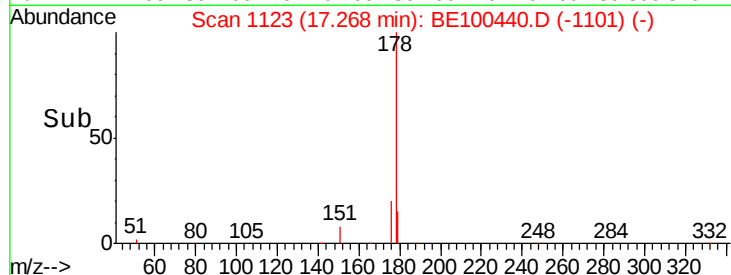
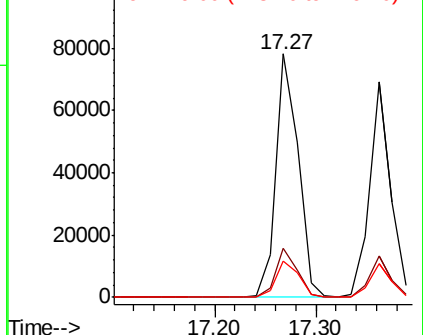
178 100

176 19.3 15.5 23.3

179 15.2 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: 1.721 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

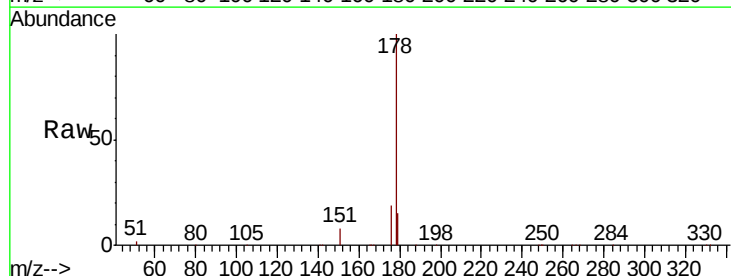
Tgt Ion:178 Resp: 100894

Ion Ratio Lower Upper

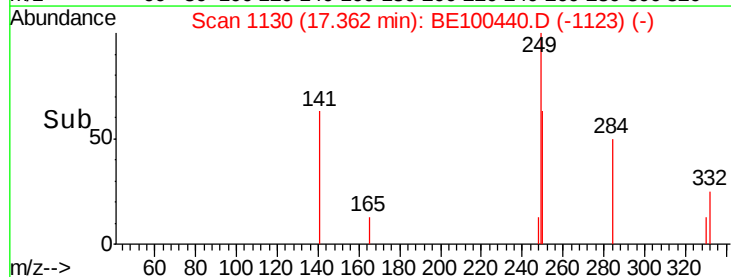
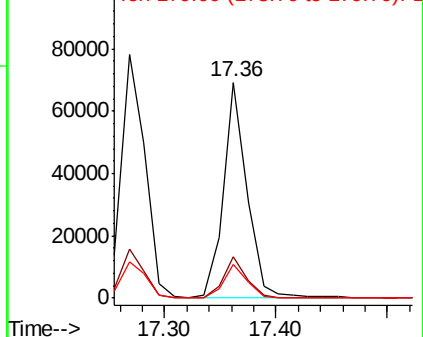
178 100

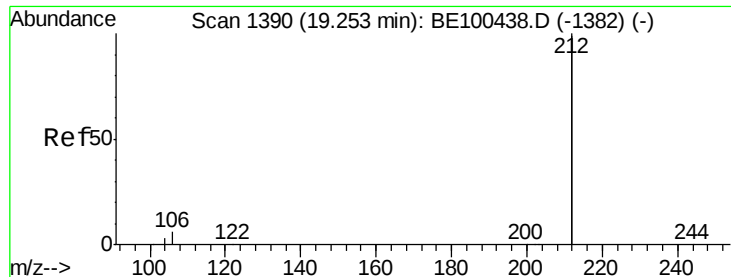
176 18.8 15.0 22.4

179 15.3 12.3 18.5



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: 1.133 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

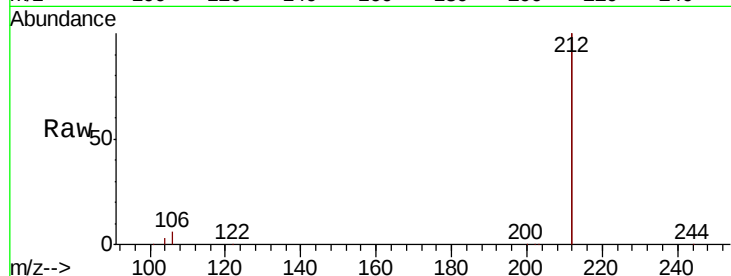
Tot Ion:212 Resp: 533245

Ion Ratio Lower Upper

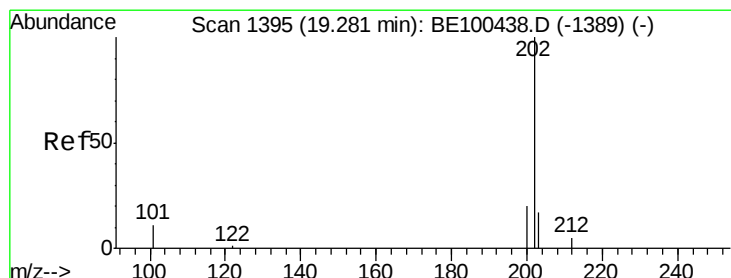
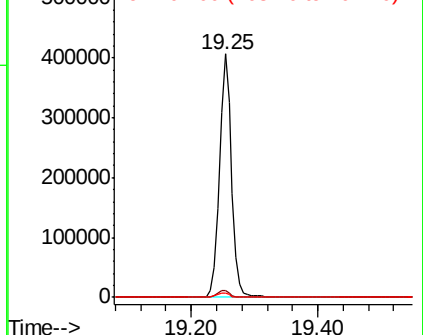
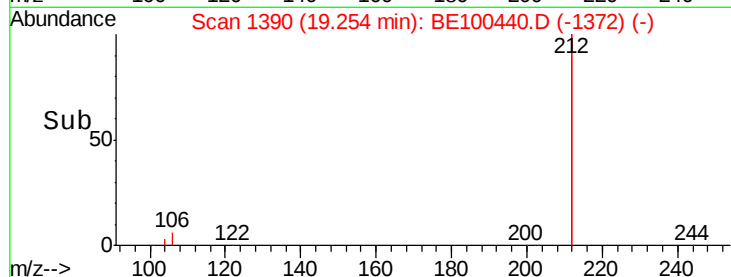
212 100

106 3.1 2.6 3.8

104 1.7 1.4 2.2



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: 1.722 ng

RT: 19.28 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

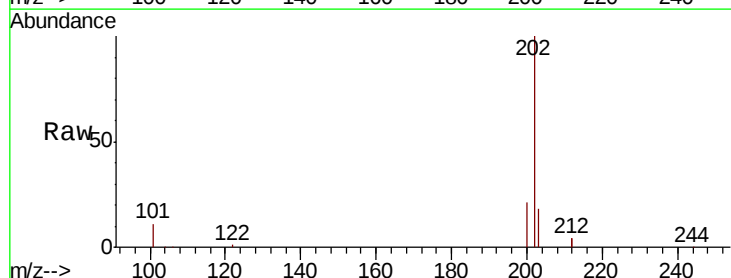
Tgt Ion:202 Resp: 154060

Ion Ratio Lower Upper

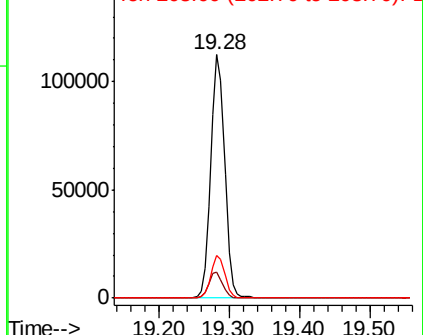
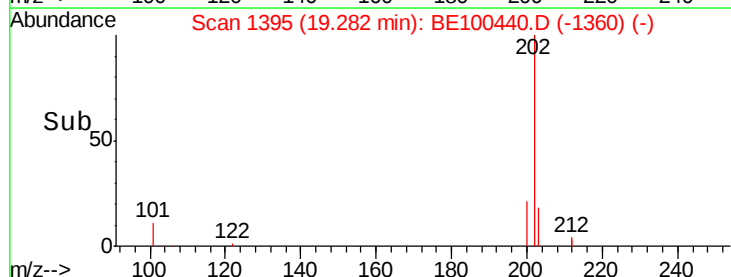
202 100

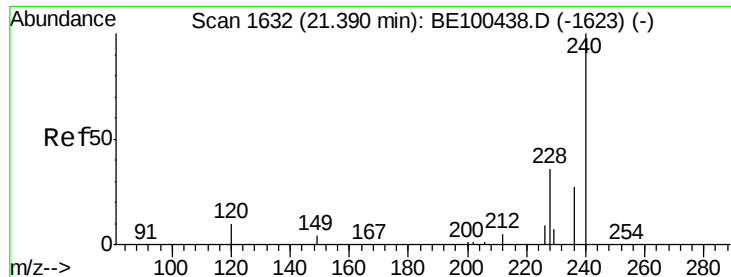
101 11.0 8.9 13.3

203 17.4 13.8 20.6



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

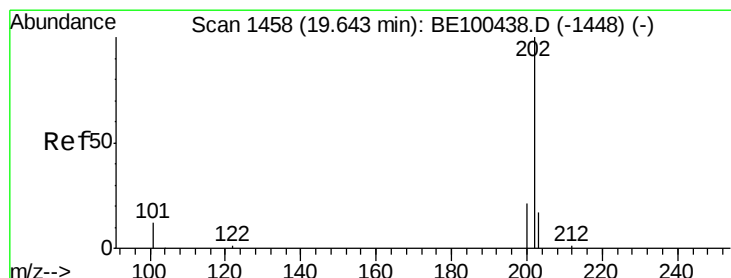
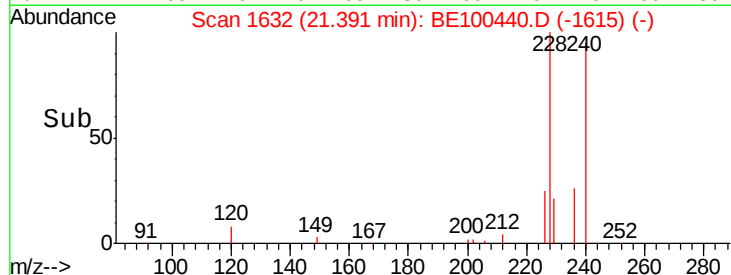
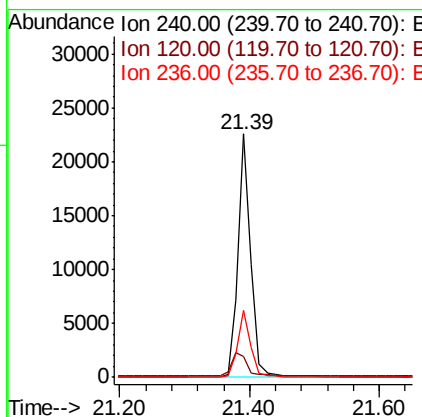
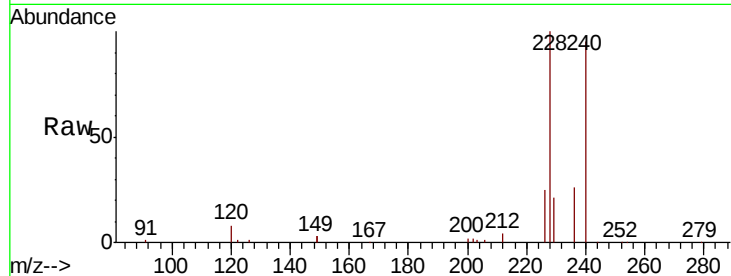




#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.39 min Scan# 1632  
 Delta R.T. 0.00 min  
 Lab File: BE100440.D  
 Acq: 16 Jul 2019 10:58

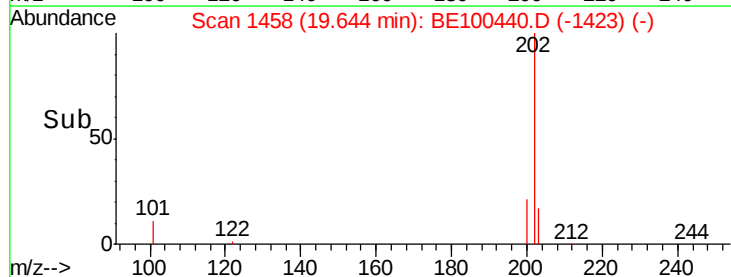
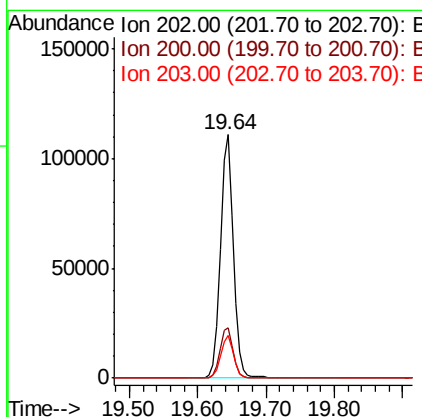
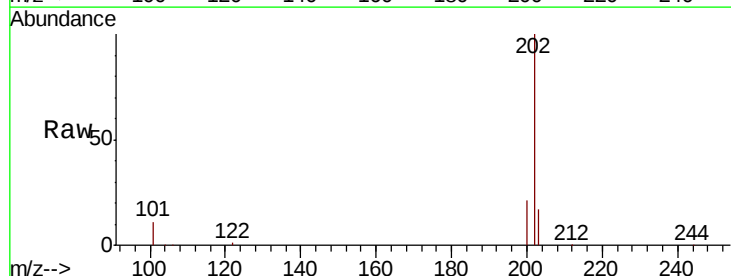
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC1.6

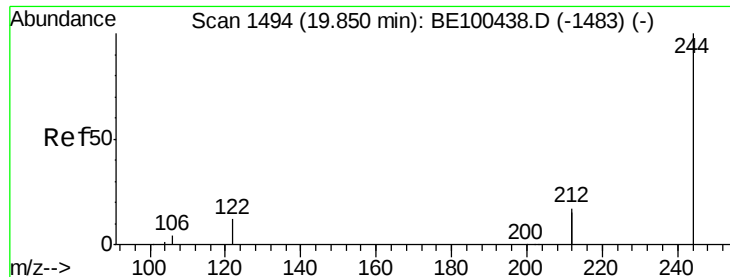
Tot Ion:240 Resp: 30787  
 Ion Ratio Lower Upper  
 240 100  
 120 8.6 8.8 13.2#  
 236 27.5 22.0 33.0



#28  
 Pyrene  
 Concen: 1.651 ng  
 RT: 19.64 min Scan# 1458  
 Delta R.T. 0.00 min  
 Lab File: BE100440.D  
 Acq: 16 Jul 2019 10:58

Tgt Ion:202 Resp: 148686  
 Ion Ratio Lower Upper  
 202 100  
 200 21.2 16.8 25.2  
 203 17.4 13.8 20.8





#29

Terphenyl-d14

Concen: 1.626 ng

RT: 19.85 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

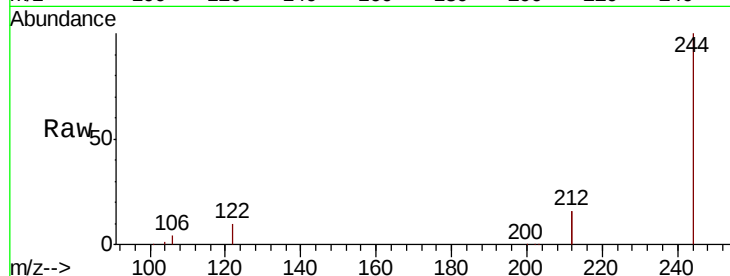
Tot Ion:244 Resp: 121610

Ion Ratio Lower Upper

244 100

212 31.7 26.3 39.5

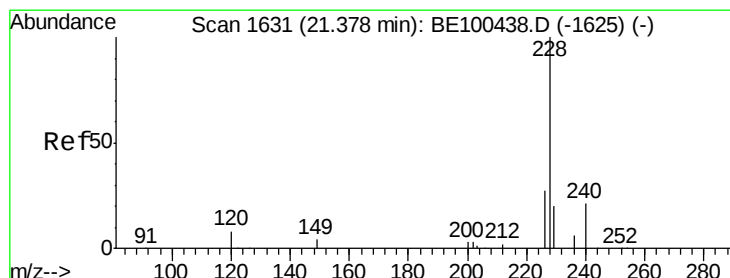
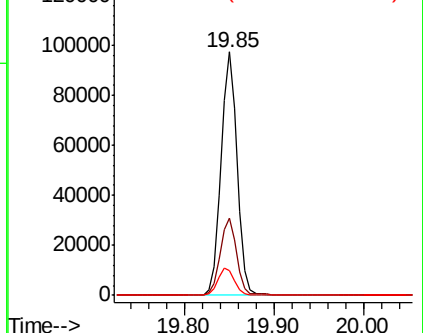
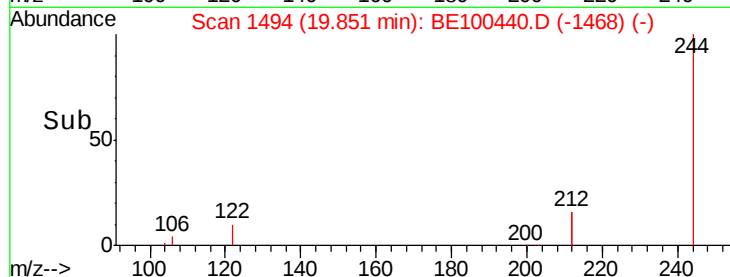
122 10.4 9.4 14.2



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: 1.684 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

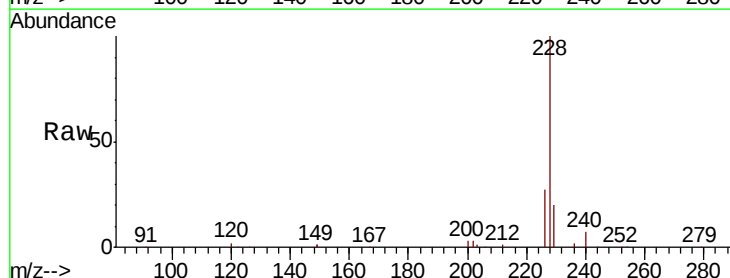
Tgt Ion:228 Resp: 142168

Ion Ratio Lower Upper

228 100

226 26.6 21.6 32.4

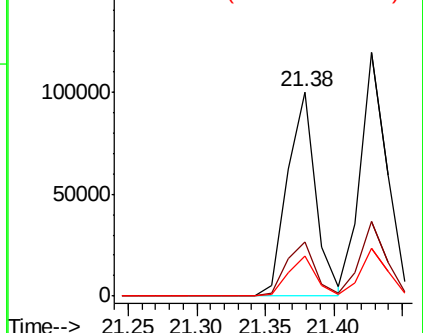
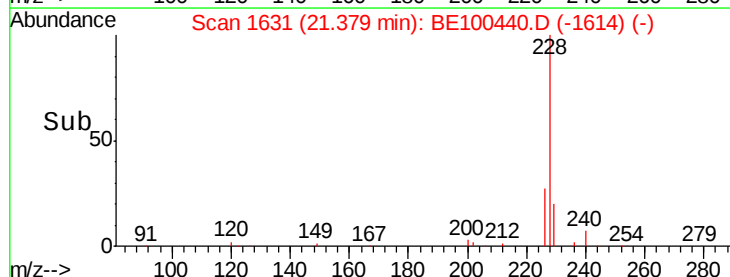
229 20.0 15.8 23.8

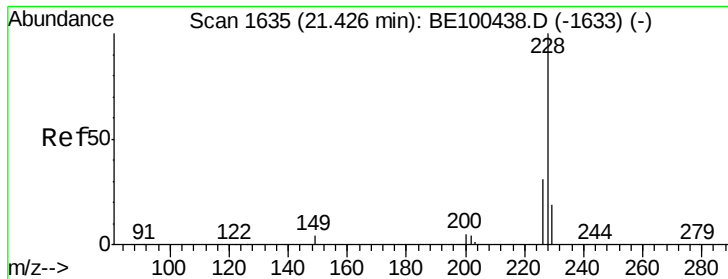


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.627 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

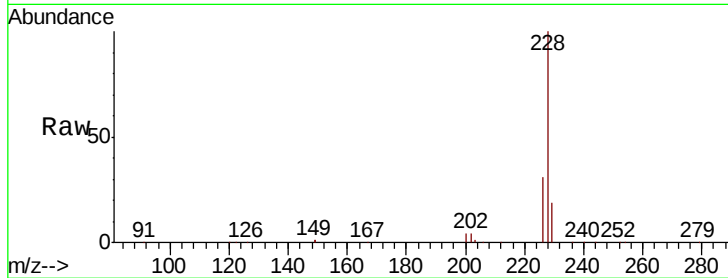
BNA\_E

ClientSampleId :

SSTDICC1.6

Tot Ion:228 Resp: 161339

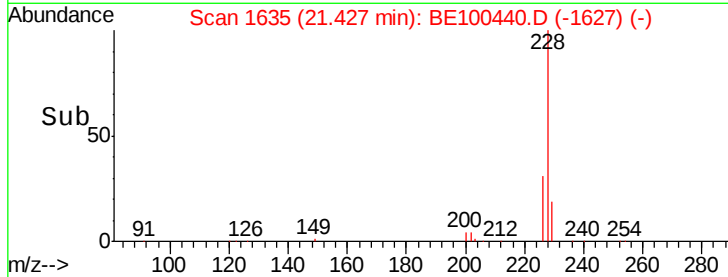
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.7  | 24.8  | 37.2  |
| 229 | 19.4  | 15.8  | 23.6  |



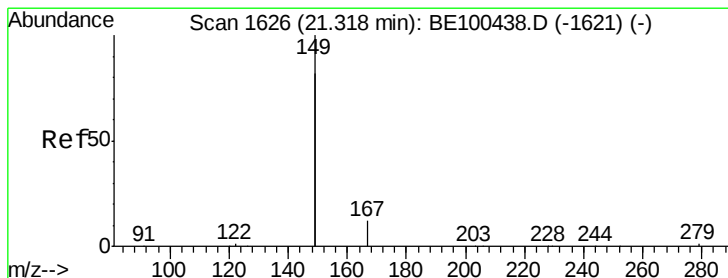
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.484 ng

RT: 21.32 min Scan# 1626

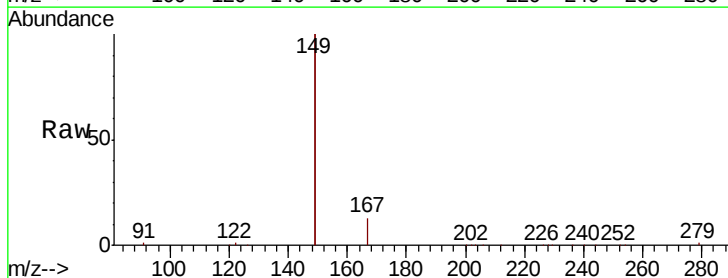
Delta R.T. 0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Tgt Ion:149 Resp: 95746

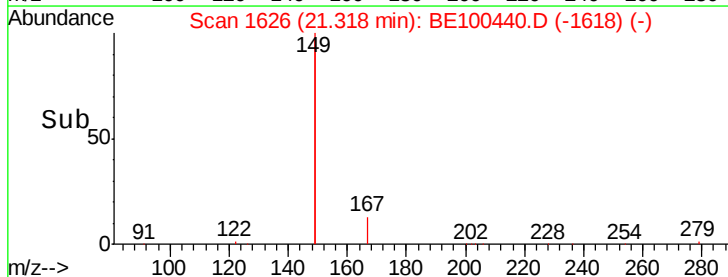
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 6.6   | 5.0   | 7.6   |
| 279 | 0.9   | 1.2   | 1.8#  |



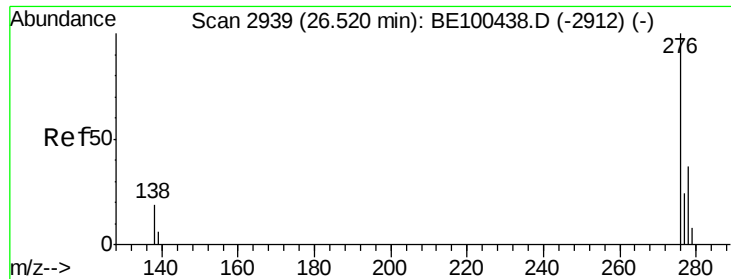
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



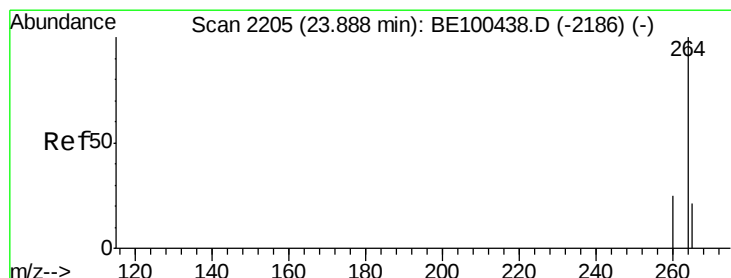
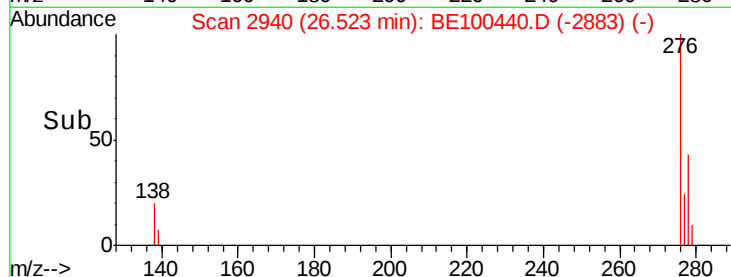
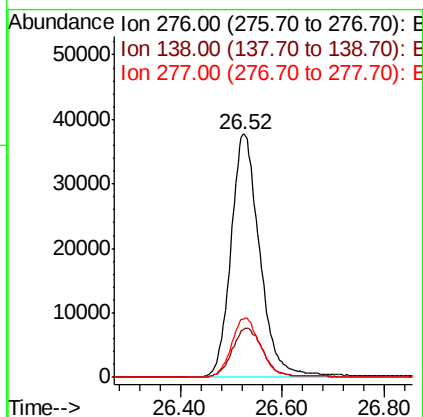
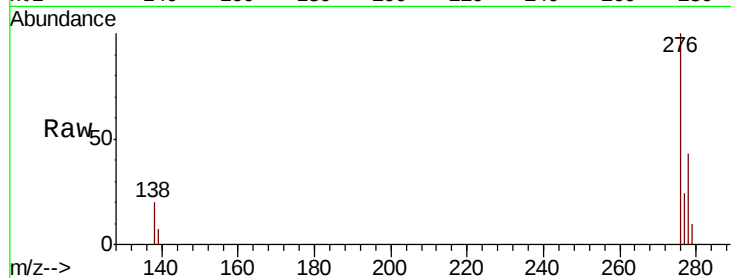
Time-->



#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 1.647 ng  
 RT: 26.52 min Scan# 2940  
 Delta R.T. 0.00 min  
 Lab File: BE100440.D  
 Acq: 16 Jul 2019 10:58

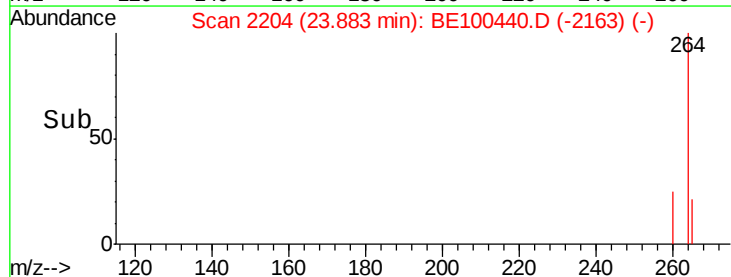
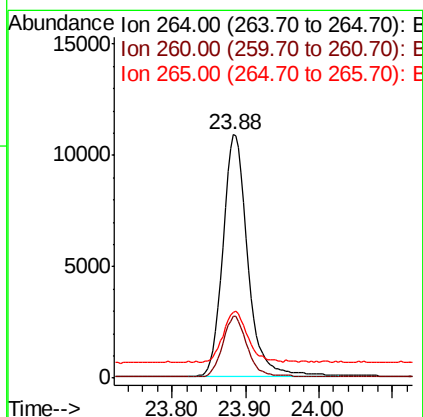
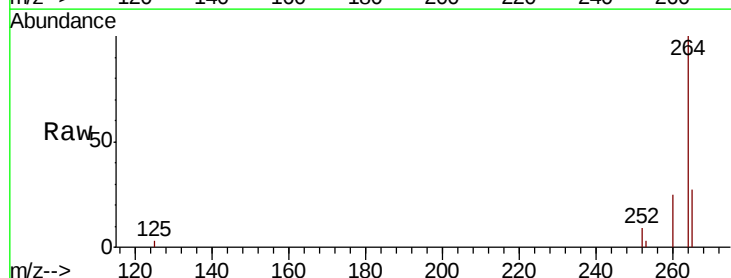
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC1.6

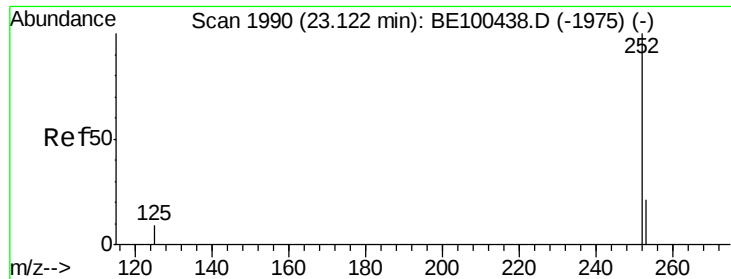
Tot Ion:276 Resp: 147889  
 Ion Ratio Lower Upper  
 276 100  
 138 21.3 17.0 25.6  
 277 24.4 19.8 29.6



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.88 min Scan# 2204  
 Delta R.T. -0.00 min  
 Lab File: BE100440.D  
 Acq: 16 Jul 2019 10:58

Tgt Ion:264 Resp: 26125  
 Ion Ratio Lower Upper  
 264 100  
 260 25.5 20.0 30.0  
 265 27.2 22.2 33.4





#35

Benzo(b)fluoranthene

Concen: 1.683 ng

RT: 23.12 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

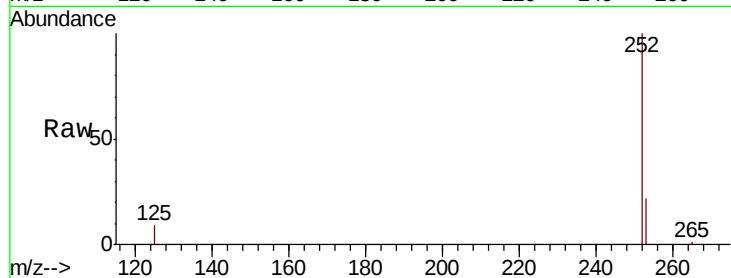
Tot Ion:252 Resp: 138091

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

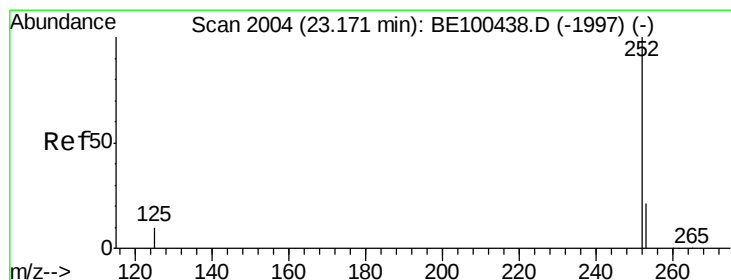
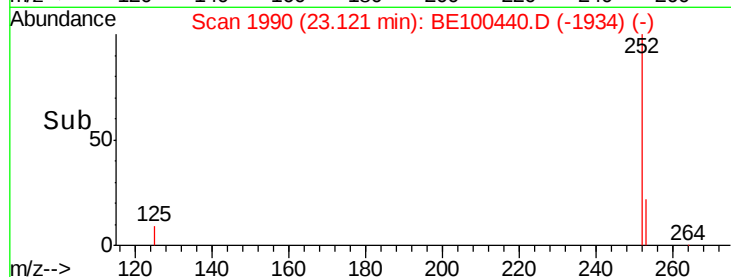
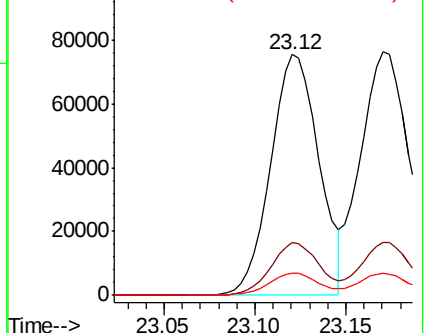
125 9.1 8.0 12.0



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



#36

Benzo(k)fluoranthene

Concen: 1.763 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

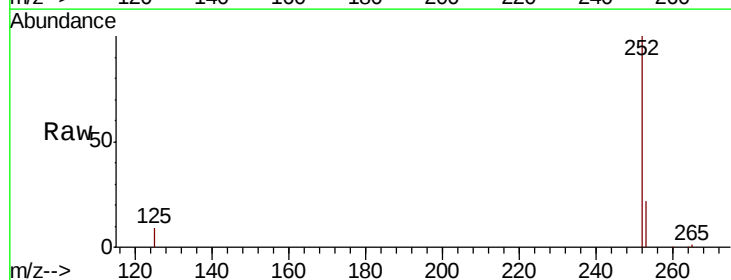
Tgt Ion:252 Resp: 151333

Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

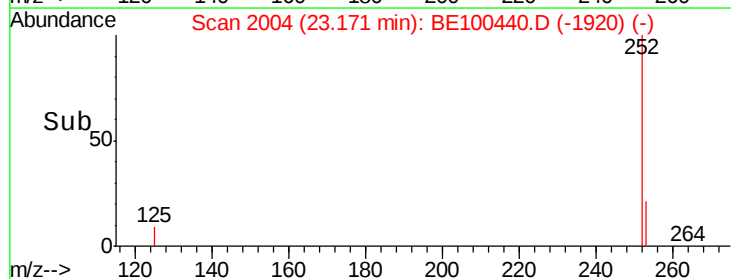
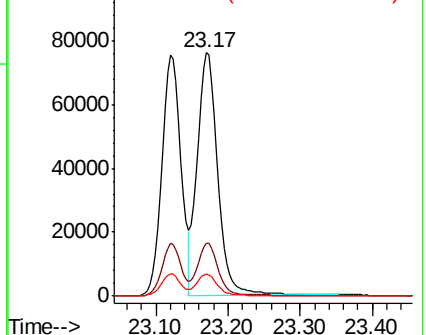
125 9.3 8.3 12.5

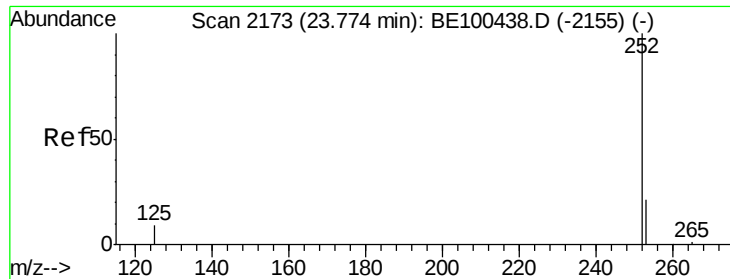


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.720 ng

RT: 23.78 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

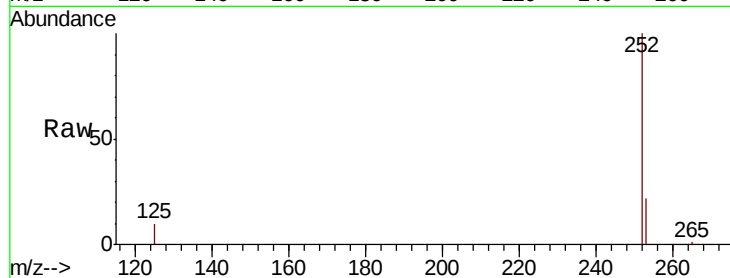
Tot Ion:252 Resp: 118094

Ion Ratio Lower Upper

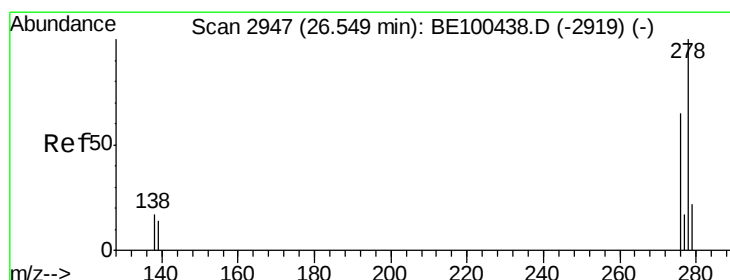
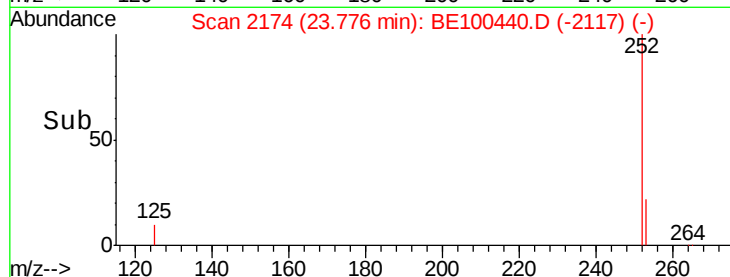
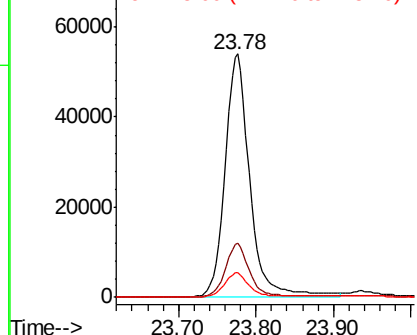
252 100

253 22.0 18.0 27.0

125 10.0 9.0 13.6



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



#38

Dibenzo(a,h)anthracene

Concen: 1.763 ng

RT: 26.55 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

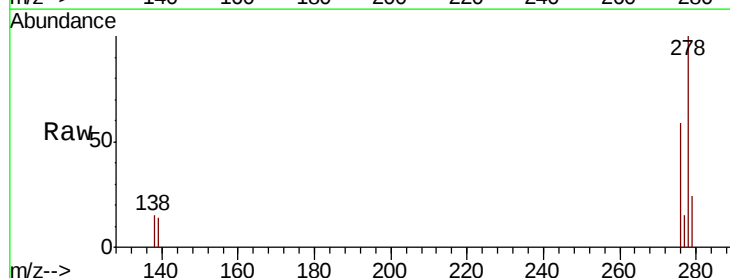
Tgt Ion:278 Resp: 126367

Ion Ratio Lower Upper

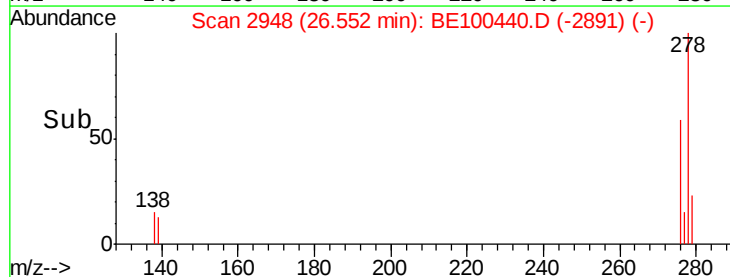
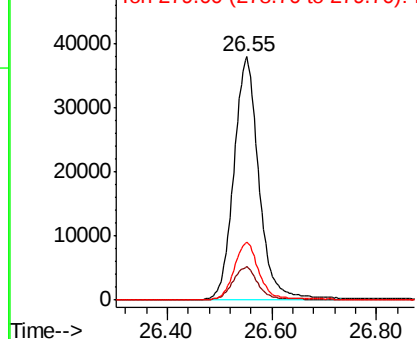
278 100

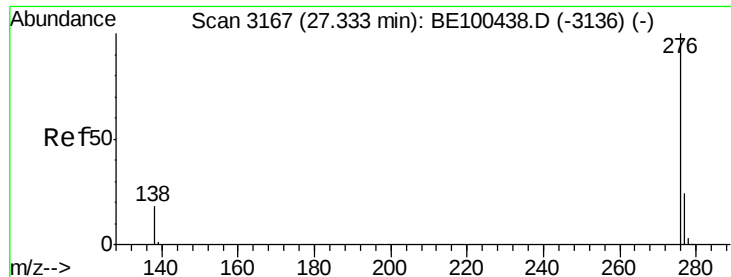
139 13.6 12.2 18.2

279 23.6 18.6 27.8



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: 1.697 ng

RT: 27.33 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BE100440.D

Acq: 16 Jul 2019 10:58

Instrument :

BNA\_E

ClientSampleId :

SSTDICC1.6

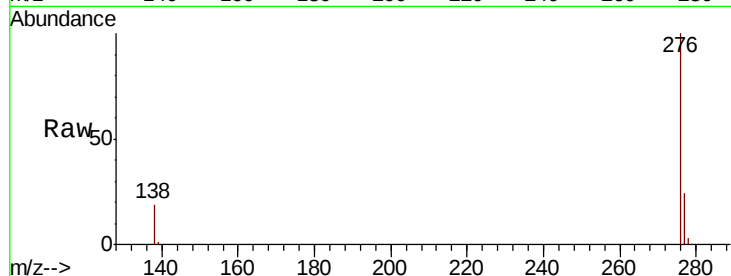
Tot Ion: 276 Resp: 126362

Ion Ratio Lower Upper

276 100

277 23.9 19.6 29.4

138 18.7 15.1 22.7



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

