

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE052019\  
 Data File : BE099680.D  
 Acq On : 21 May 2019 3:08  
 Operator : JU/SJ  
 Sample : K2944-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 FESB-3(4.5-5)

Quant Time: May 21 06:44:37 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE052019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 20 19:29:40 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 1458     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.61 | 136  | 4970     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 3556     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 11011    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.41 | 240  | 15945    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.95 | 264  | 20017    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.37  | 112  | 1435     | 0.39 | ng    | 0.00     |
| 5) Phenol-d6                | 6.97  | 99   | 1875     | 0.38 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.98  | 82   | 1502     | 0.35 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152  | 3012     | 0.35 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330  | 832      | 0.44 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl        | 13.10 | 172  | 4544     | 0.34 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.26 | 212  | 49888    | 0.33 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.86 | 244  | 10162    | 0.36 | ng    | -0.01    |

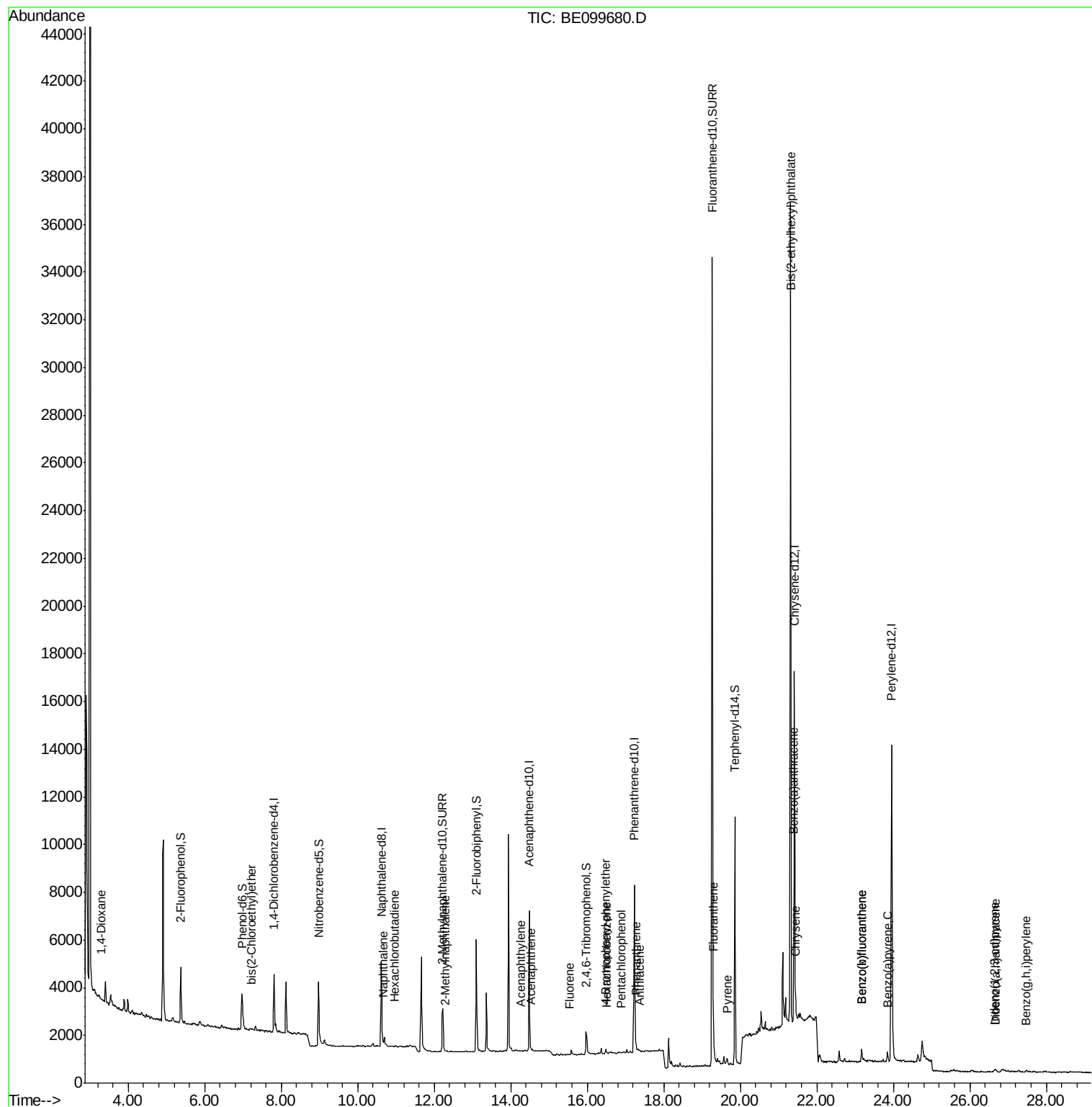
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.29  | 88   | 39       | 0.018 | ng    | # 34   |
| 6) bis(2-Chloroethyl)ether     | 7.23  | 93   | 40       | 0.009 | ng    | # 8    |
| 9) Naphthalene                 | 10.67 | 128  | 78       | 0.001 | ng    | # 47   |
| 10) Hexachlorobutadiene        | 10.95 | 225  | 6        | 0.002 | ng    | # 28   |
| 12) 2-Methylnaphthalene        | 12.30 | 142  | 17       | 0.002 | ng    | # 60   |
| 16) Acenaphthylene             | 14.27 | 152  | 4        | 0.000 | ng    | # 1    |
| 17) Acenaphthene               | 14.53 | 154  | 9        | 0.001 | ng    | # 1    |
| 18) Fluorene                   | 15.53 | 166  | 81       | 0.006 | ng    | # 88   |
| 20) 4-Bromophenyl-phenylether  | 16.48 | 248  | 12       | 0.002 | ng    | # 63   |
| 21) Hexachlorobenzene          | 16.50 | 284  | 11       | 0.002 | ng    | # 48   |
| 22) Pentachlorophenol          | 16.89 | 266  | 10       | 0.186 | ng    | # 76   |
| 23) Phenanthrene               | 17.27 | 178  | 220      | 0.008 | ng    | # 91   |
| 24) Anthracene                 | 17.36 | 178  | 51       | 0.002 | ng    | # 72   |
| 26) Fluoranthene               | 19.29 | 202  | 394      | 0.009 | ng    | # 86   |
| 28) Pyrene                     | 19.66 | 202  | 318      | 0.008 | ng    | # 94   |
| 30) Benzo(a)anthracene         | 21.40 | 228  | 261      | 0.006 | ng    | # 1    |
| 31) Chrysene                   | 21.45 | 228  | 173      | 0.004 | ng    | # 34   |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 42978    | 0.823 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.64 | 276  | 87       | 0.001 | ng    | # 66   |
| 35) Benzo(b)fluoranthene       | 23.17 | 252  | 373      | 0.007 | ng    | # 1    |
| 36) Benzo(k)fluoranthene       | 23.17 | 252  | 373      | 0.007 | ng    | # 1    |
| 37) Benzo(a)pyrene             | 23.85 | 252  | 241      | 0.005 | ng    | # 1    |
| 38) Dibenzo(a,h)anthracene     | 26.66 | 278  | 6        | 0.000 | ng    | # 1    |
| 39) Benzo(g,h,i)perylene       | 27.47 | 276  | 76       | 0.001 | ng    | # 1    |

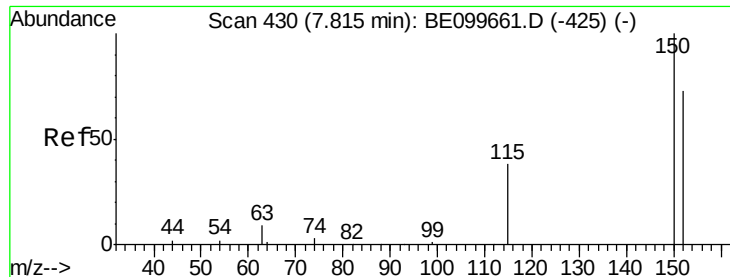
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 20 19:29:40 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: BE099680.D

Acq: 21 May 2019 3:08

Instrument :

BNA\_E

ClientSampleId :

FESB-3(4.5-5)

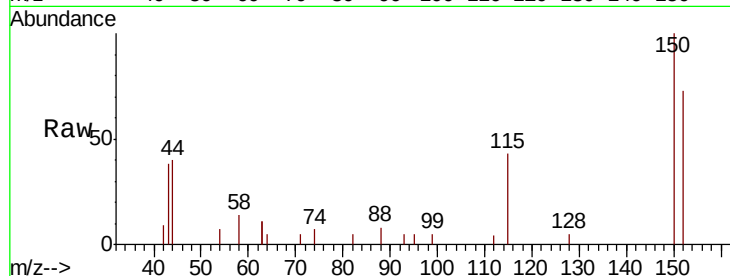
Tgt Ion:152 Resp: 1458

Ion Ratio Lower Upper

152 100

150 137.6 109.2 163.8

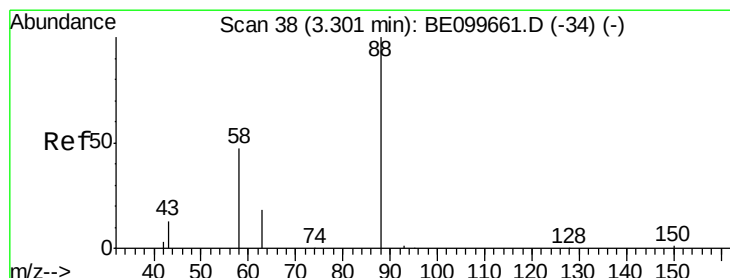
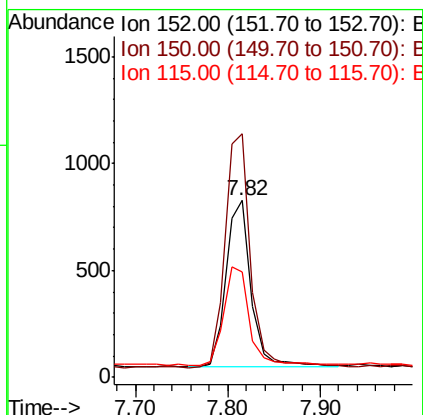
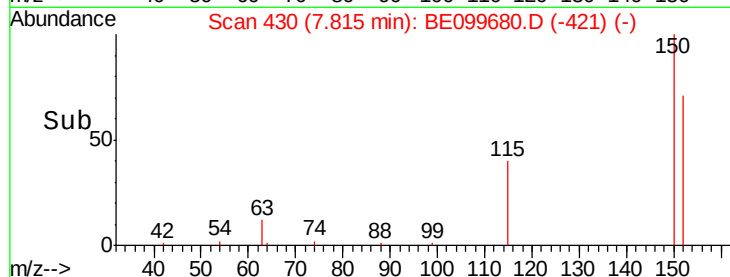
115 59.4 43.7 65.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.018 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.01 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

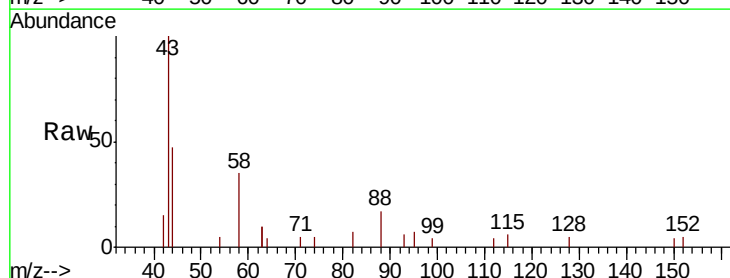
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

58 0.0 41.8 62.8#

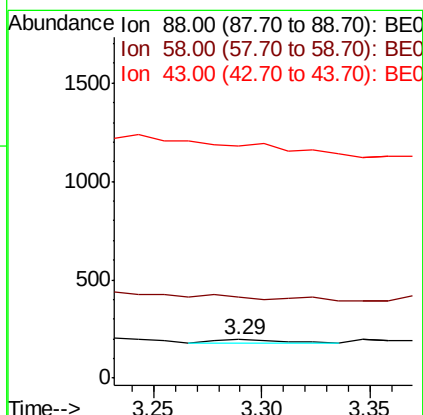
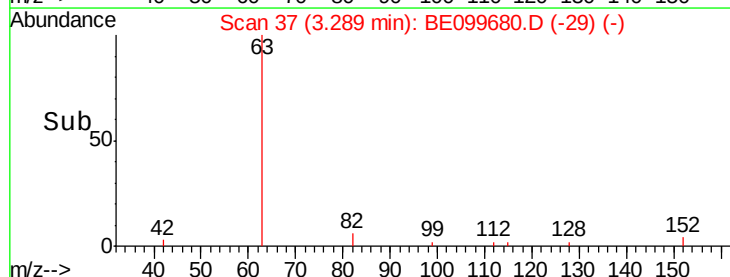
43 0.0 15.0 22.4#

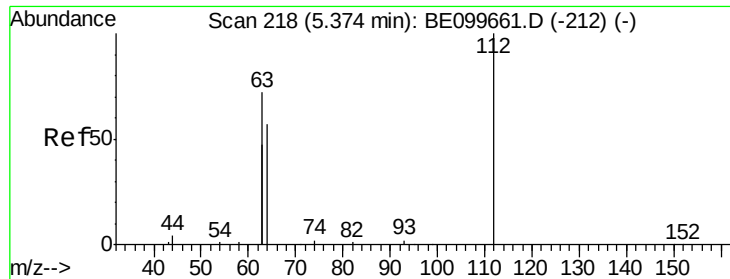


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.389 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

Instrument :

BNA\_E

ClientSampleId :

FESB-3(4.5-5)

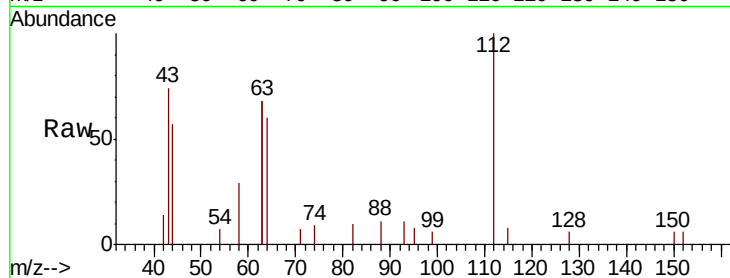
Tgt Ion: 112 Resp: 1435

Ion Ratio Lower Upper

112 100

64 53.2 43.4 65.2

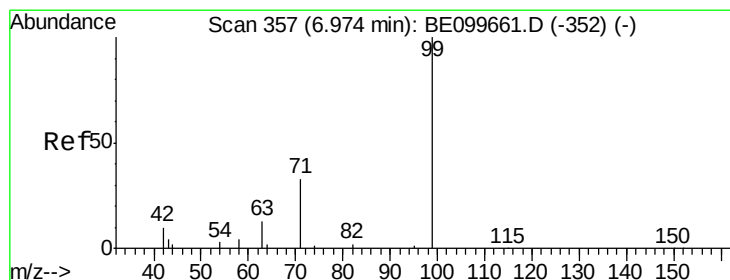
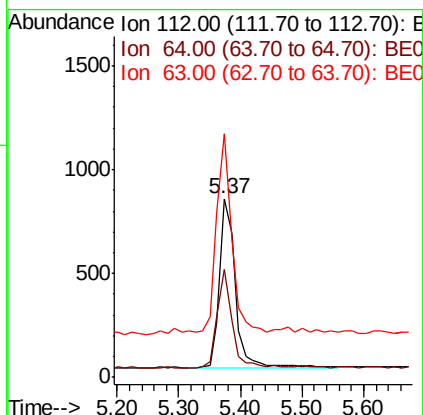
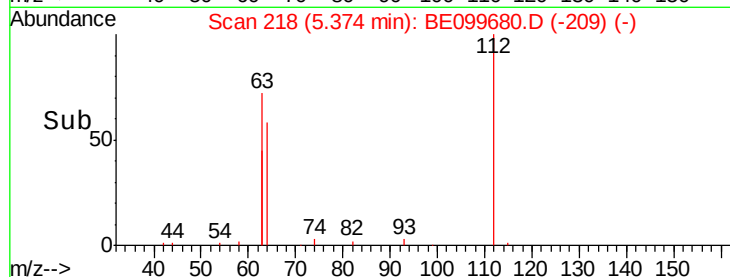
63 108.7 96.9 145.3



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.384 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

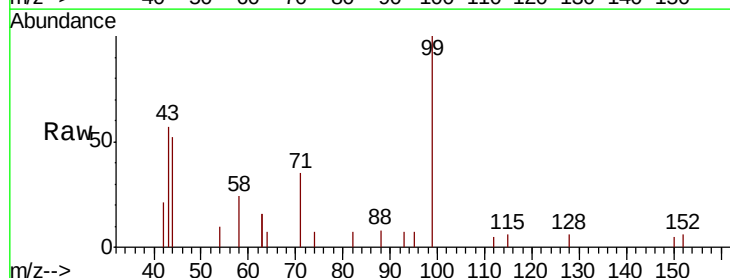
Tgt Ion: 99 Resp: 1875

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.2

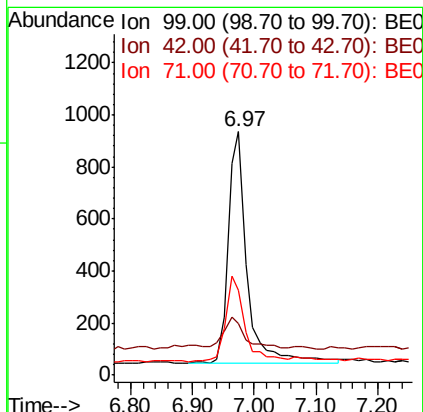
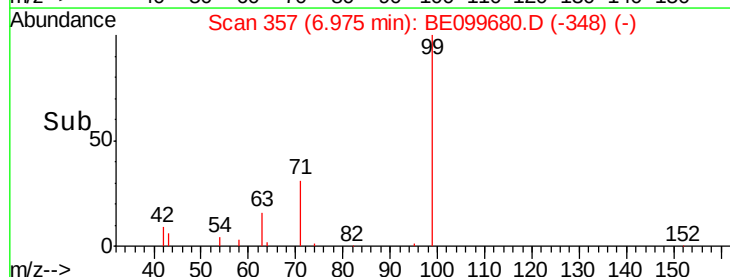
71 36.8 28.9 43.3

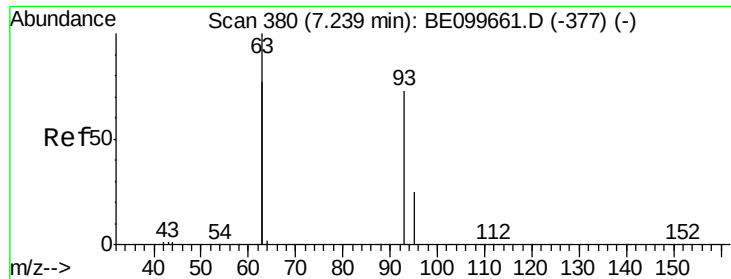


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.009 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

Instrument :

BNA\_E

ClientSampleId :

FESB-3(4.5-5)

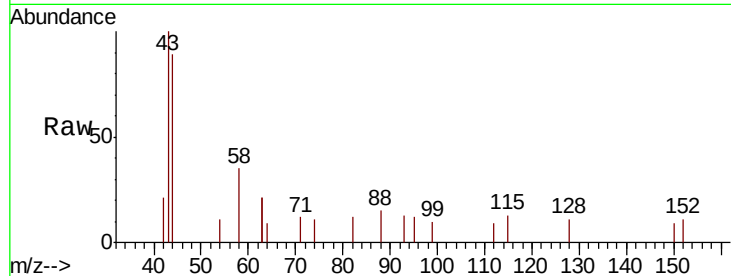
Tgt Ion: 93 Resp: 40

Ion Ratio Lower Upper

93 100

63 87.5 207.8 311.6#

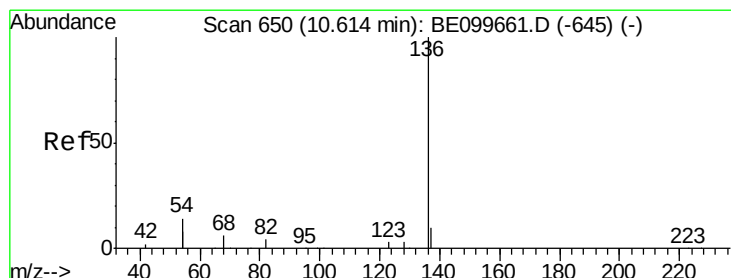
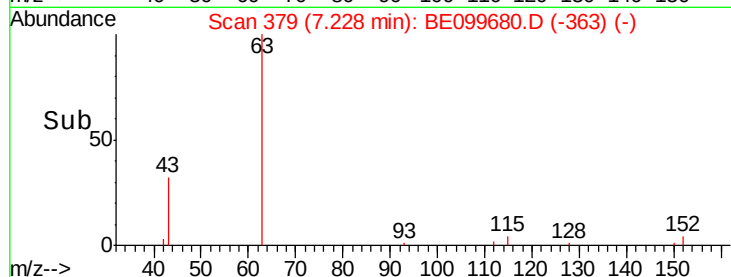
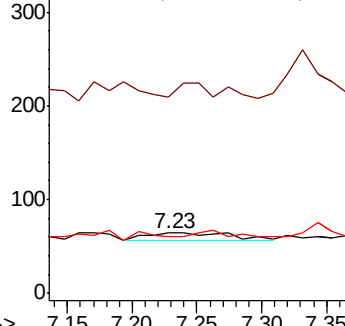
95 0.0 25.9 38.9#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

Tgt Ion: 136 Resp: 4970

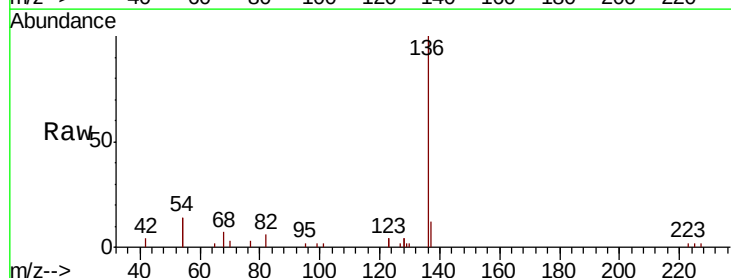
Ion Ratio Lower Upper

136 100

137 12.3 9.0 13.6

54 27.2 22.3 33.5

68 7.5 6.0 9.0

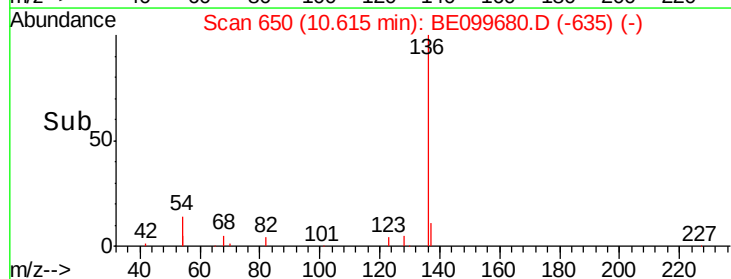
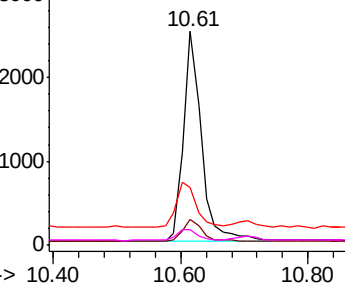


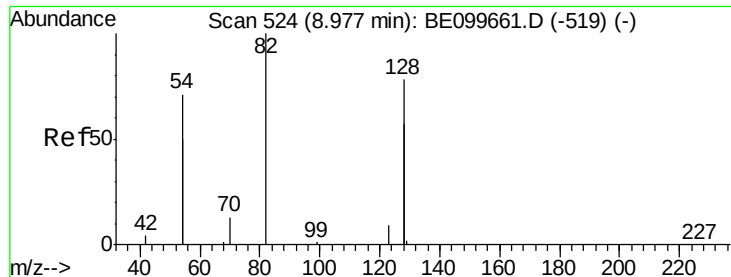
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.349 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

Instrument :

BNA\_E

ClientSampleId :

FESB-3(4.5-5)

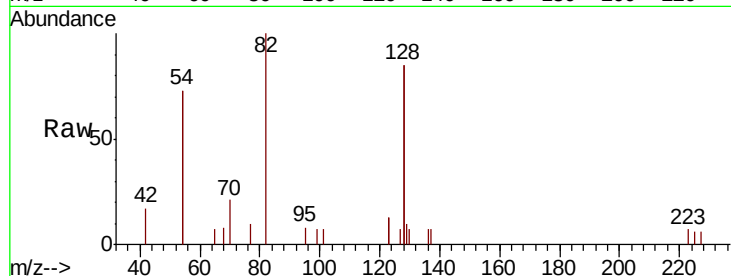
Tgt Ion: 82 Resp: 1502

Ion Ratio Lower Upper

82 100

128 170.8 117.7 176.5

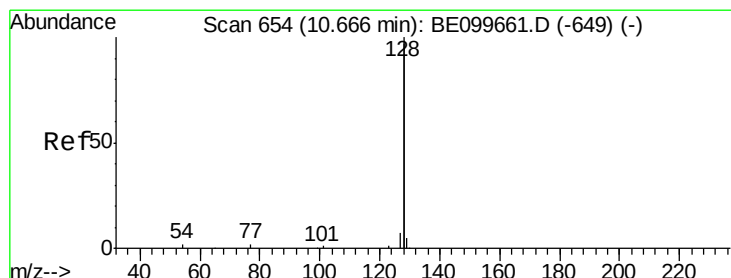
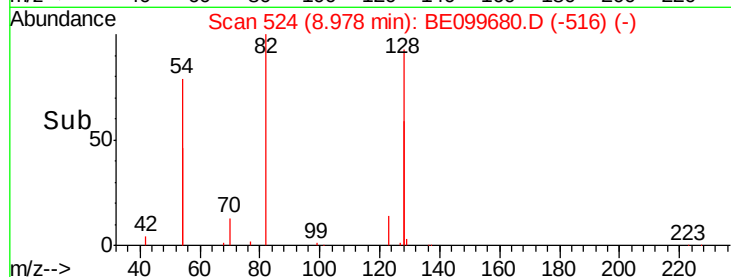
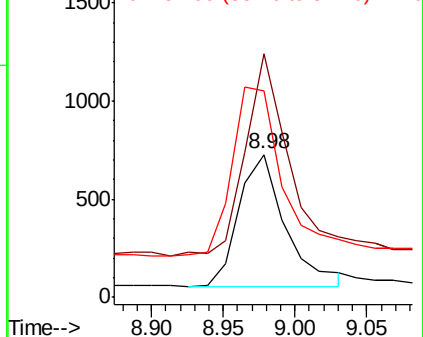
54 145.2 106.6 160.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.001 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

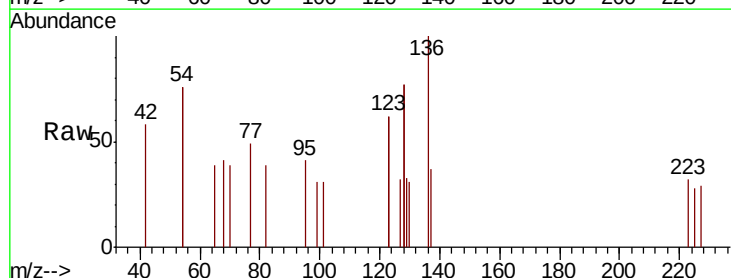
Tgt Ion: 128 Resp: 78

Ion Ratio Lower Upper

128 100

129 21.3 2.4 3.6#

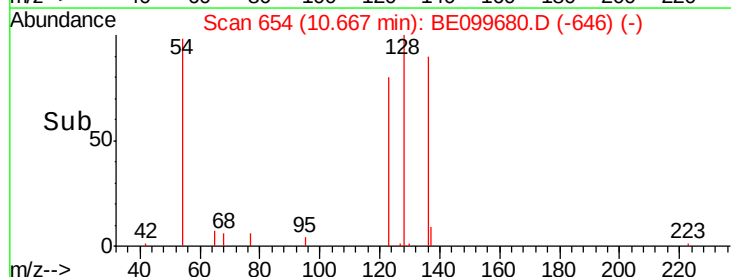
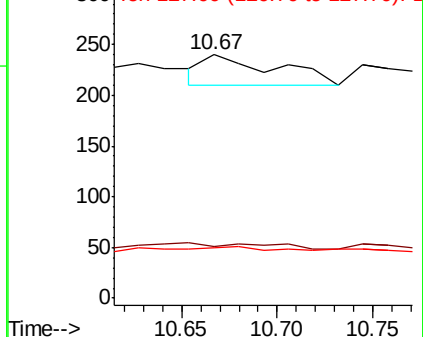
127 20.8 2.9 4.3#

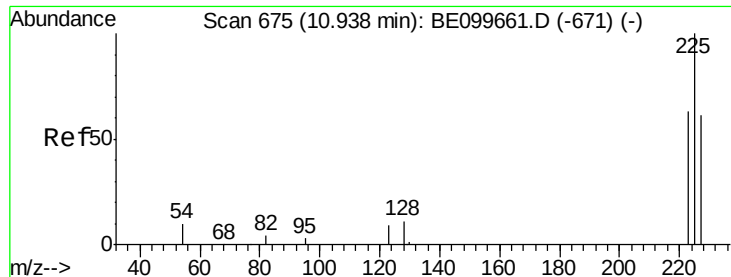


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

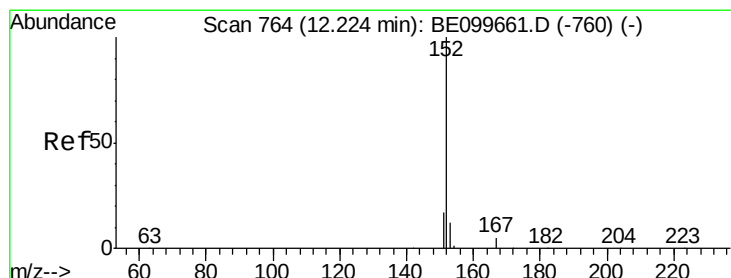
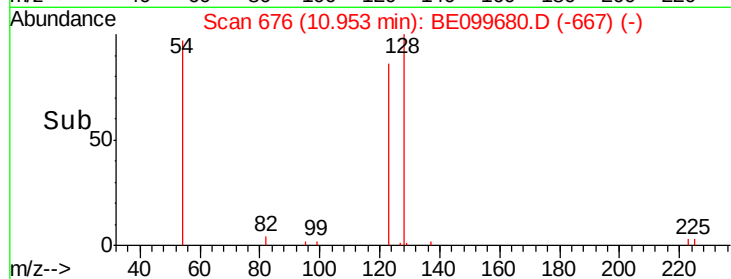
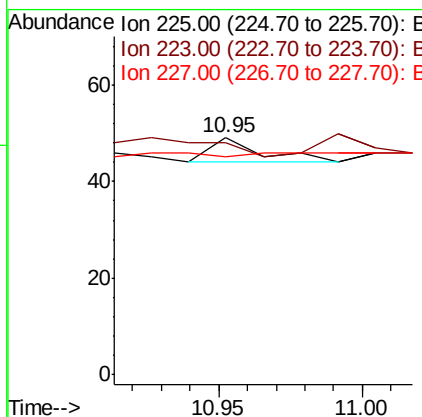
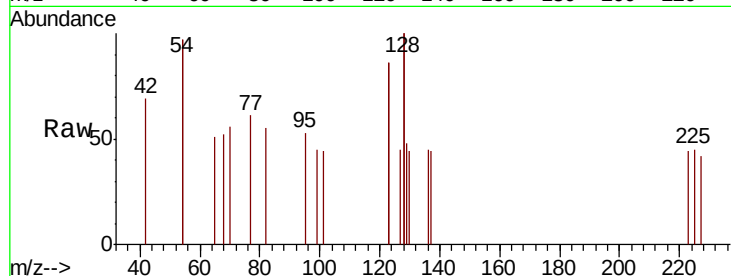




#10  
Hexachlorobutadiene  
Concen: 0.002 ng  
RT: 10.95 min Scan# 676  
Delta R.T. 0.01 min  
Lab File: BE099680.D  
Acq: 21 May 2019 3:08

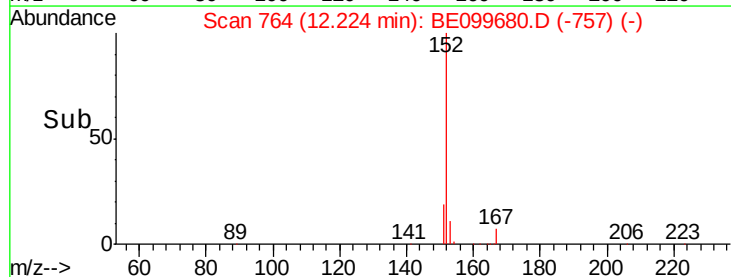
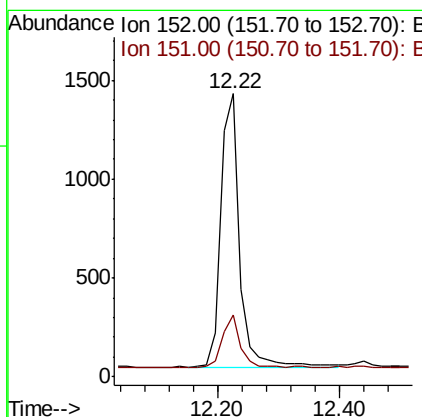
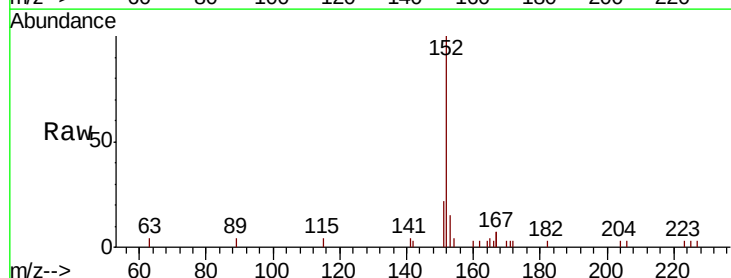
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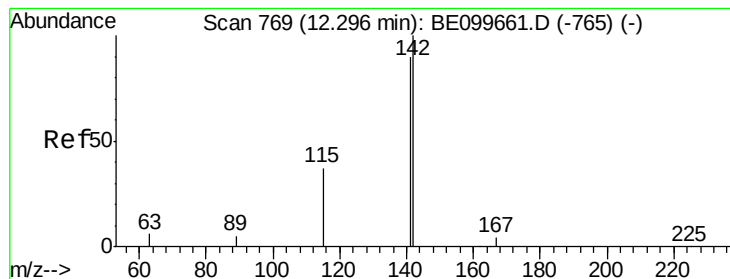
Tgt Ion: 225 Resp: 6  
Ion Ratio Lower Upper  
225 100  
223 0.0 51.8 77.6#  
227 16.7 52.6 79.0#



#11  
2-Methylnaphthalene-d10  
Concen: 0.351 ng  
RT: 12.22 min Scan# 764  
Delta R.T. 0.00 min  
Lab File: BE099680.D  
Acq: 21 May 2019 3:08

Tgt Ion: 152 Resp: 3012  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.0 22.4





#12

2-Methylnaphthalene

Concen: 0.002 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

Instrument :

BNA\_E

ClientSampleId :

FESB-3(4.5-5)

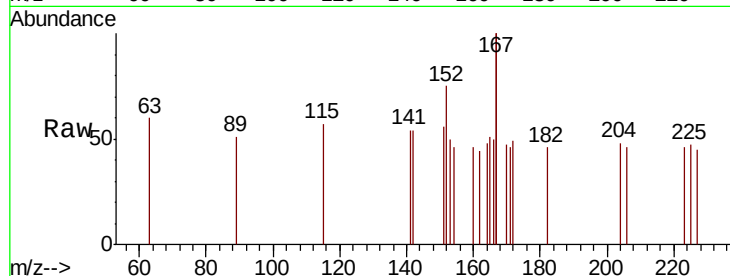
Tgt Ion:142 Resp: 17

Ion Ratio Lower Upper

142 100

141 100.0 72.0 108.0

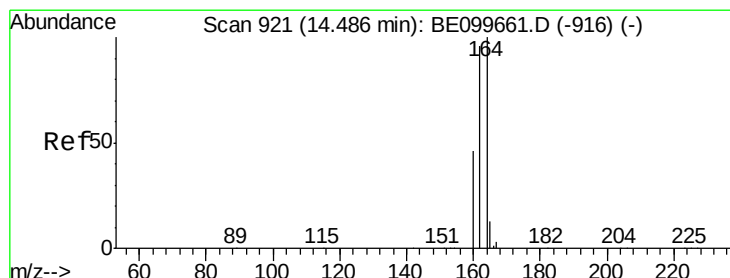
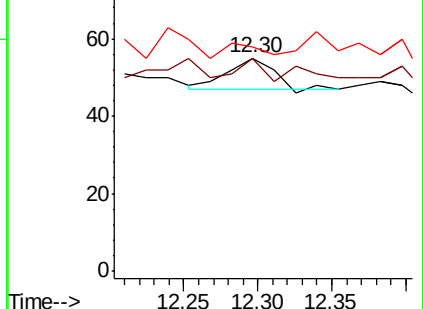
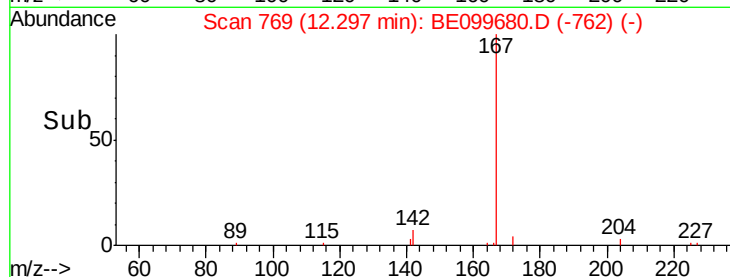
115 105.5 31.0 46.4#



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



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

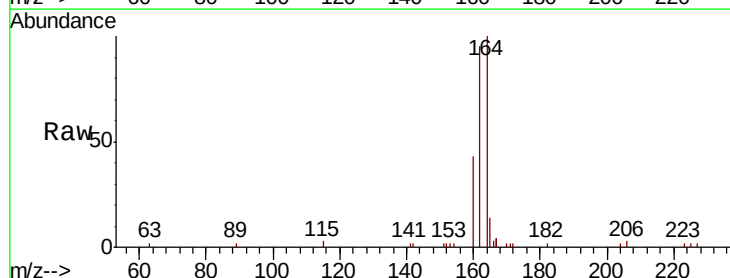
Tgt Ion:164 Resp: 3556

Ion Ratio Lower Upper

164 100

162 95.3 76.5 114.7

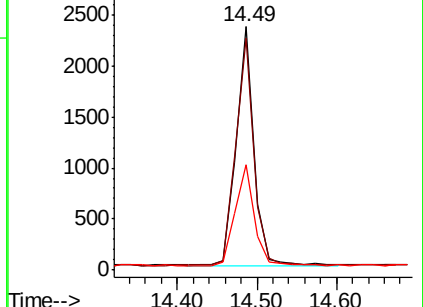
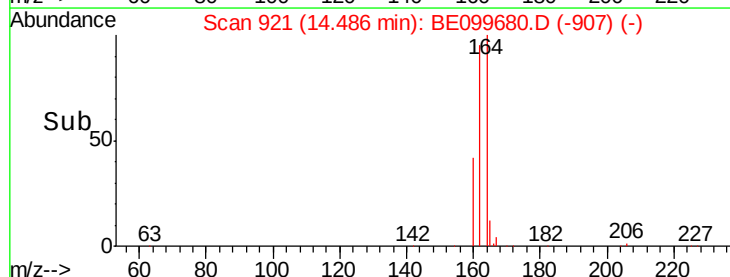
160 43.5 37.4 56.2



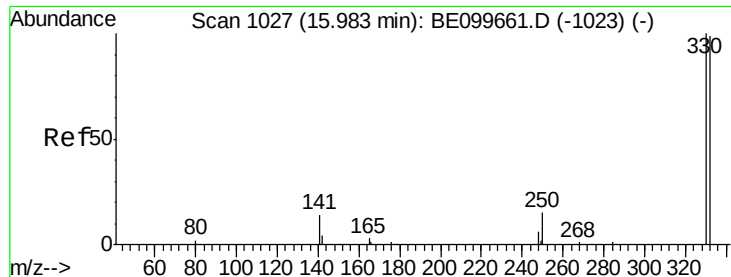
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



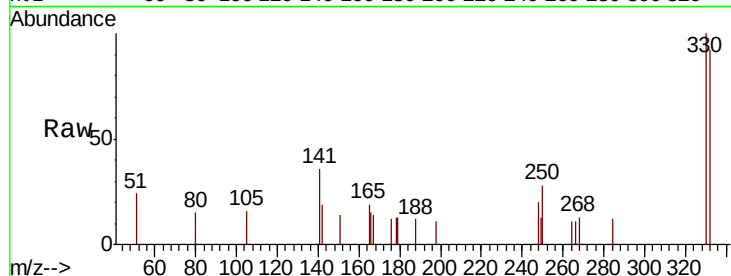




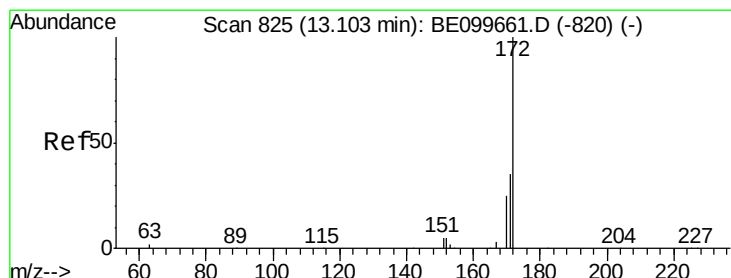
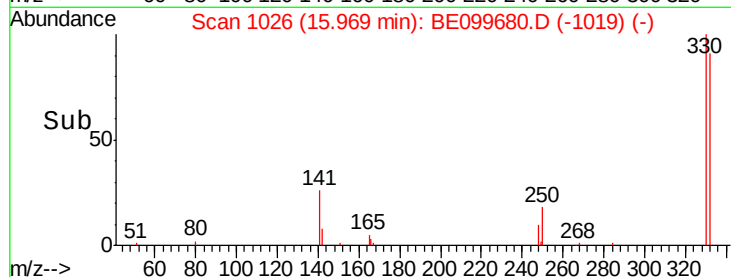
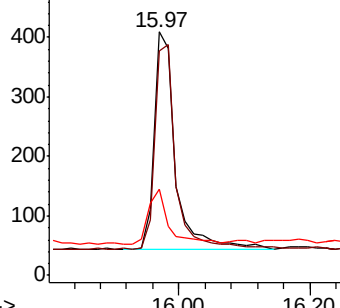
#14  
 2,4,6-Tribromophenol  
 Concen: 0.437 ng  
 RT: 15.97 min Scan# 1026  
 Delta R.T. -0.01 min  
 Lab File: BE099680.D  
 Acq: 21 May 2019 3:08

Instrument :  
 BNA\_E  
 ClientSampleId :  
 FESB-3(4.5-5)

Tgt Ion: 330 Resp: 832  
 Ion Ratio Lower Upper  
 330 100  
 332 94.0 77.3 115.9  
 141 23.3 18.9 28.3

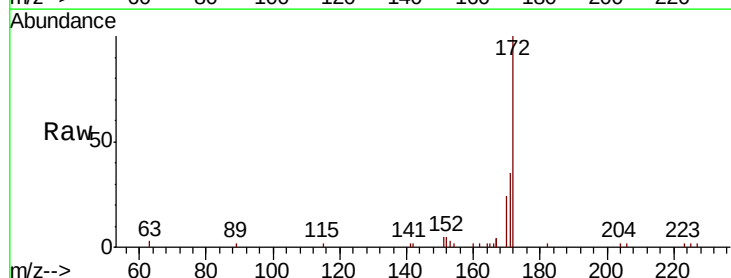


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

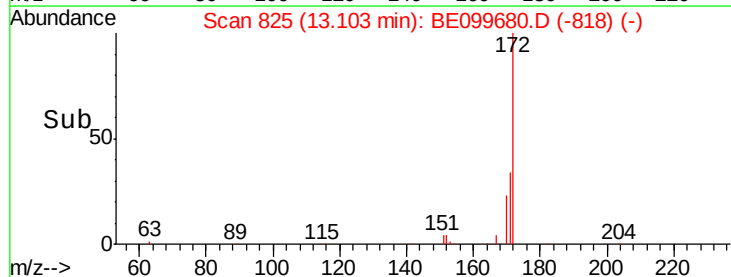
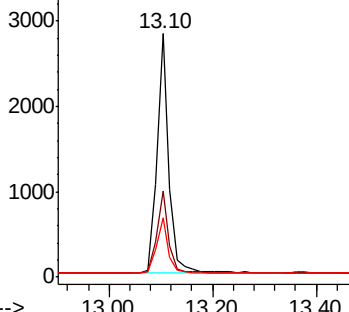


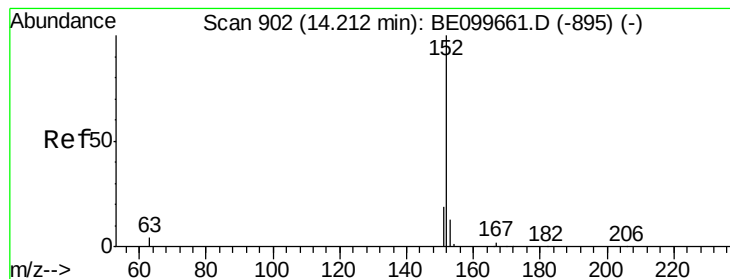
#15  
 2-Fluorobiphenyl  
 Concen: 0.337 ng  
 RT: 13.10 min Scan# 825  
 Delta R.T. 0.00 min  
 Lab File: BE099680.D  
 Acq: 21 May 2019 3:08

Tgt Ion: 172 Resp: 4544  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 28.7 43.1  
 170 24.2 20.9 31.3



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





#16

Acenaphthylene

Concen: 0.000 ng

RT: 14.27 min Scan# 906

Delta R.T. 0.06 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

Instrument :

BNA\_E

ClientSampleId :

FESB-3(4.5-5)

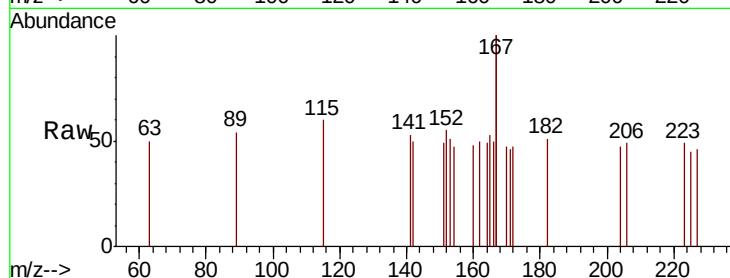
Tgt Ion:152 Resp: 4

Ion Ratio Lower Upper

152 100

151 0.0 15.9 23.9#

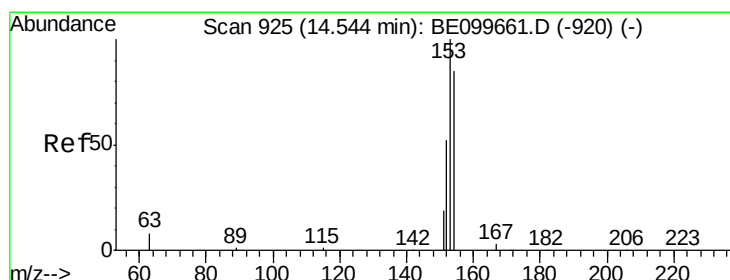
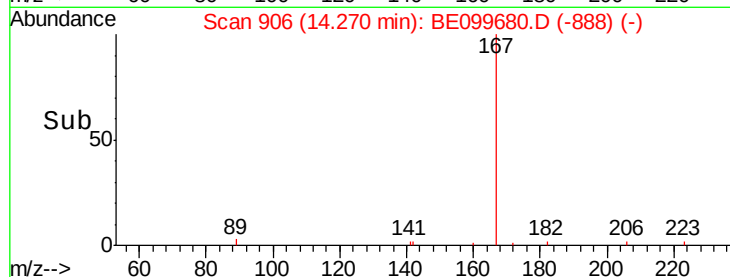
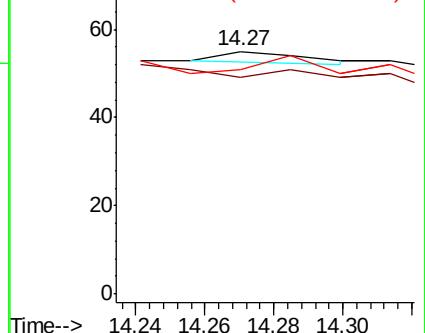
153 300.0 10.6 16.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 0.001 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.01 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

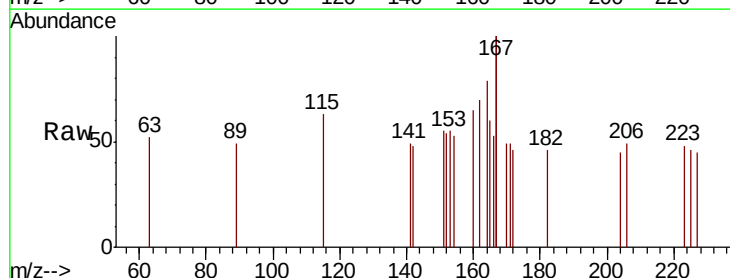
Tgt Ion:154 Resp: 9

Ion Ratio Lower Upper

154 100

153 288.9 91.8 137.6#

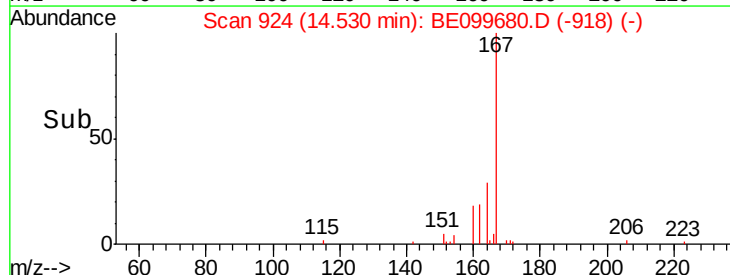
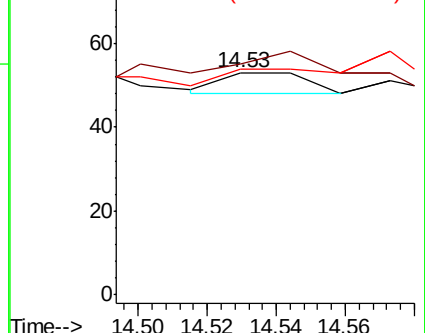
152 0.0 46.0 69.0#

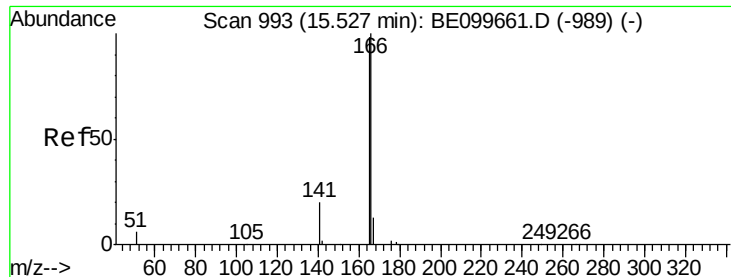


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

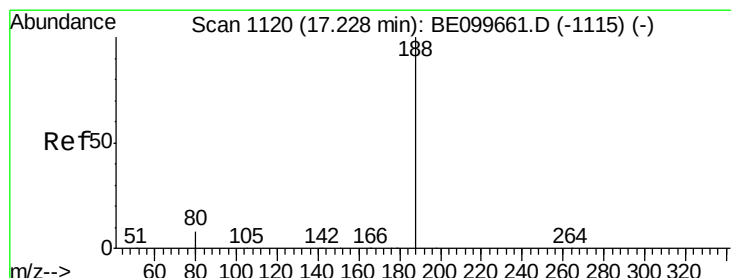
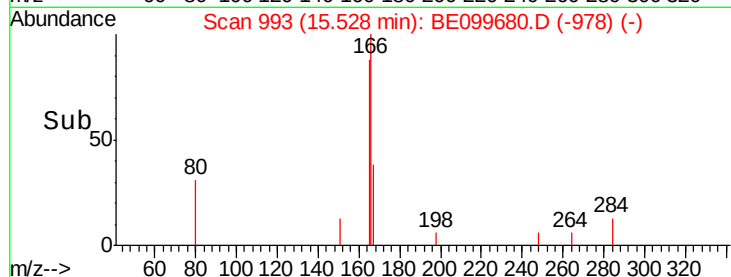
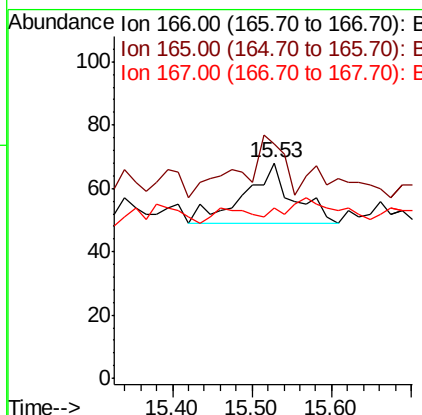
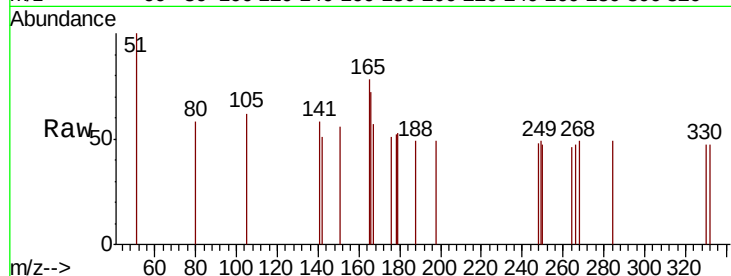




#18  
 Fluorene  
 Concen: 0.006 ng  
 RT: 15.53 min Scan# 993  
 Delta R.T. 0.00 min  
 Lab File: BE099680.D  
 Acq: 21 May 2019 3:08

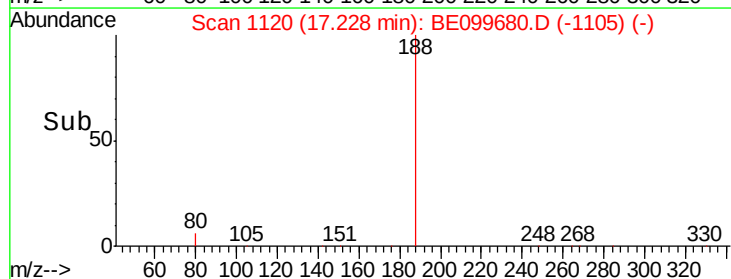
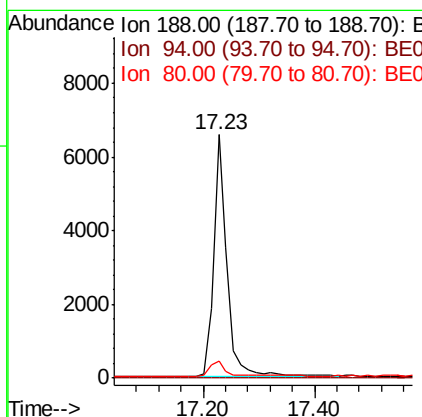
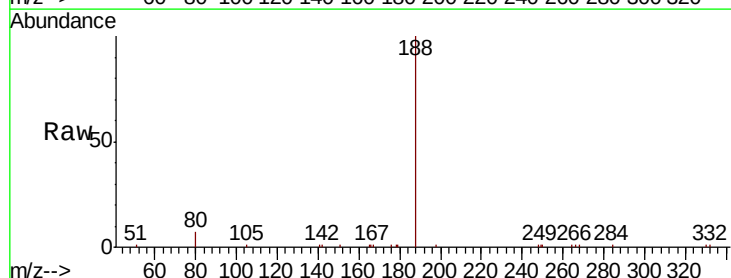
Instrument :  
 BNA\_E  
 ClientSampleId :  
 FESB-3(4.5-5)

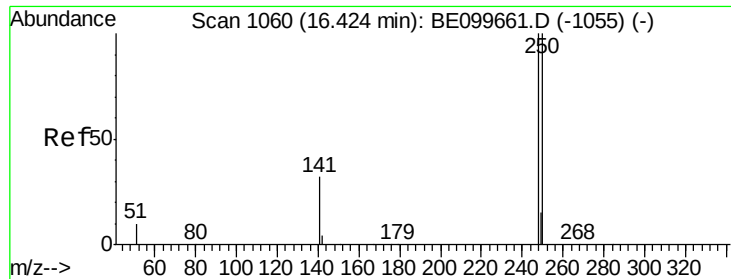
Tgt Ion:166 Resp: 81  
 Ion Ratio Lower Upper  
 166 100  
 165 91.4 80.3 120.5  
 167 0.0 10.6 16.0#



#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.23 min Scan# 1120  
 Delta R.T. 0.00 min  
 Lab File: BE099680.D  
 Acq: 21 May 2019 3:08

Tgt Ion:188 Resp: 11011  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 7.1 6.7 10.1





#20

4-Bromophenyl-phenylether

Concen: 0.002 ng

RT: 16.48 min Scan# 1064

Delta R.T. 0.05 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

Instrument :

BNA\_E

ClientSampleId :

FESB-3(4.5-5)

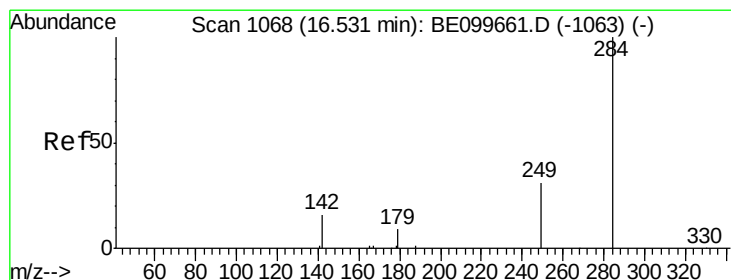
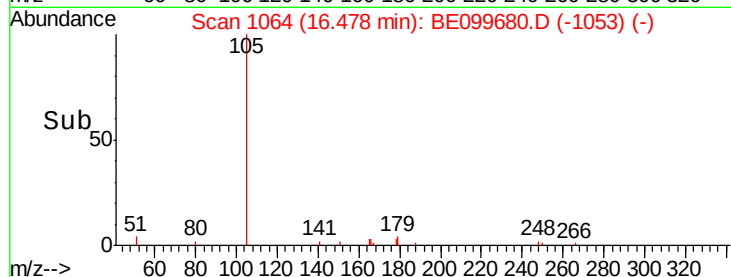
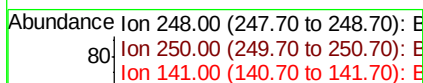
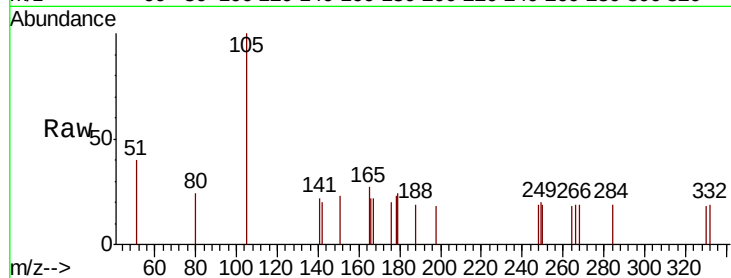
Tgt Ion:248 Resp: 12

Ion Ratio Lower Upper

248 100

250 100.0 79.8 119.8

141 116.7 27.0 40.6#



#21

Hexachlorobenzene

Concen: 0.002 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.03 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

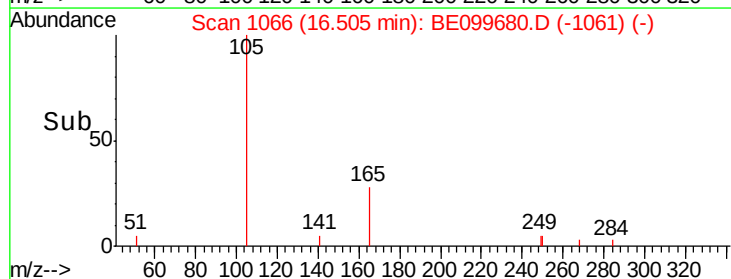
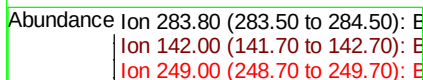
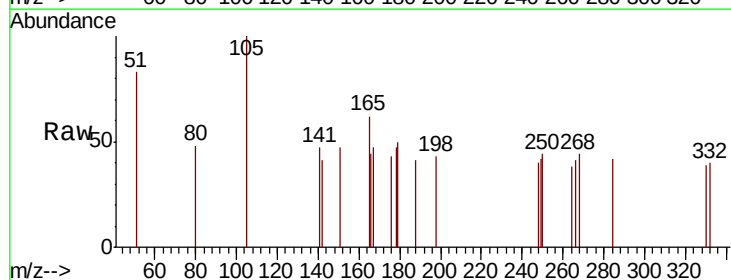
Tgt Ion:284 Resp: 11

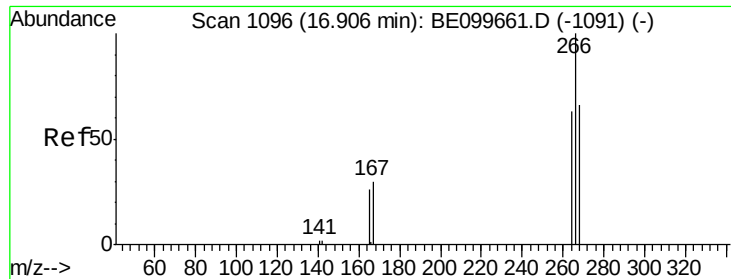
Ion Ratio Lower Upper

284 100

142 0.0 17.8 26.6#

249 0.0 24.8 37.2#





#22

Pentachlorophenol

Concen: 0.186 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

Instrument :

BNA\_E

ClientSampleId :

FESB-3(4.5-5)

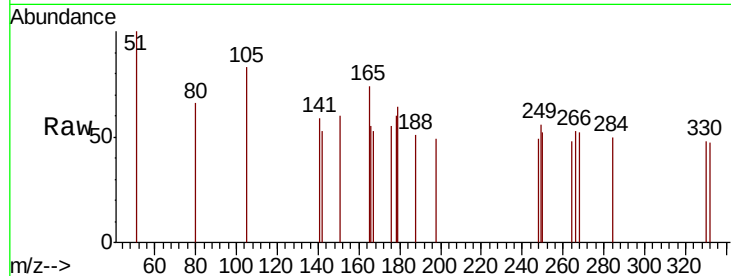
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

264 90.2 57.2 85.8#

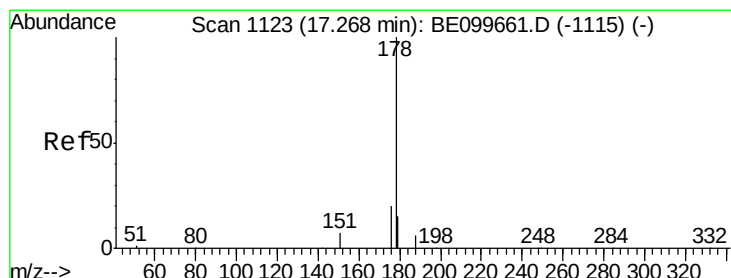
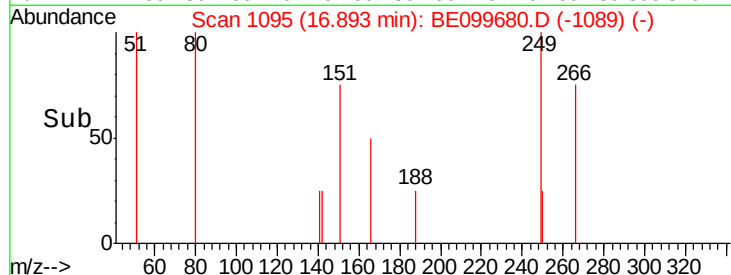
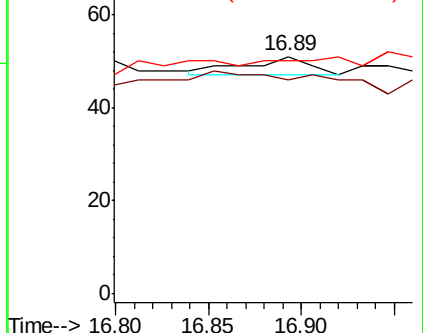
268 98.0 60.5 90.7#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#23

Phenanthrene

Concen: 0.008 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

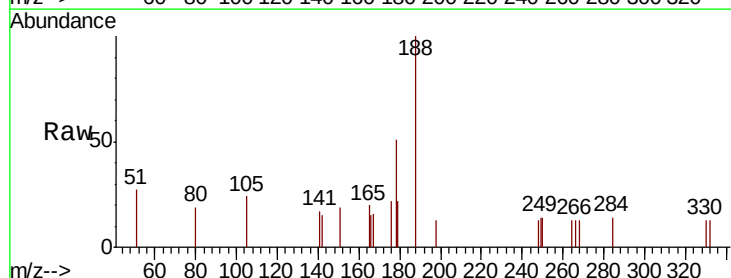
Tgt Ion:178 Resp: 220

Ion Ratio Lower Upper

178 100

176 23.2 15.6 23.4

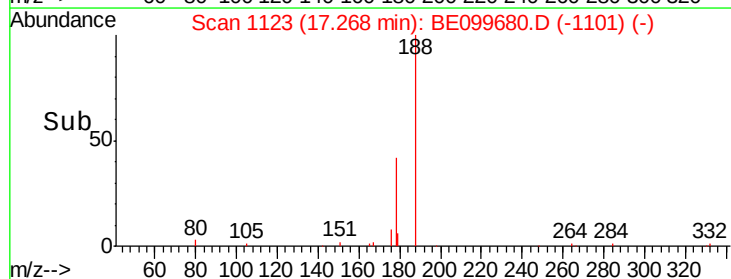
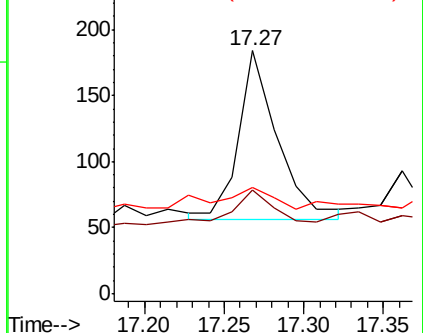
179 19.5 12.2 18.4#

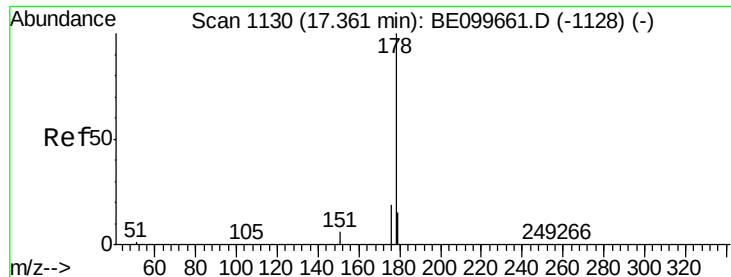


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.002 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

Instrument :

BNA\_E

ClientSampleId :

FESB-3(4.5-5)

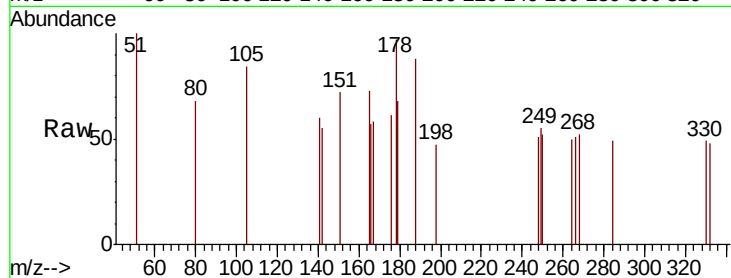
Tgt Ion:178 Resp: 51

Ion Ratio Lower Upper

178 100

176 0.0 14.7 22.1#

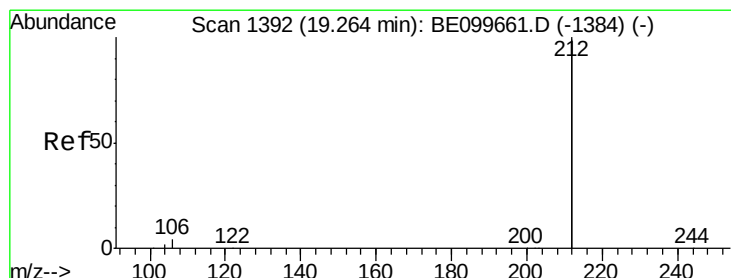
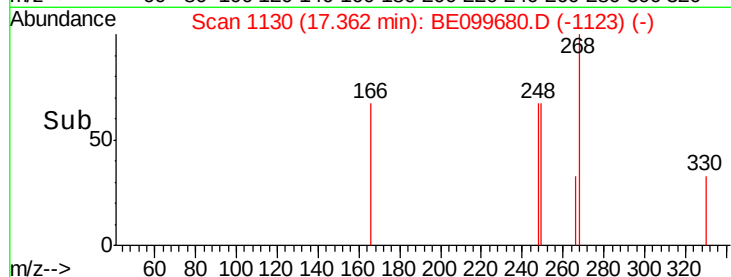
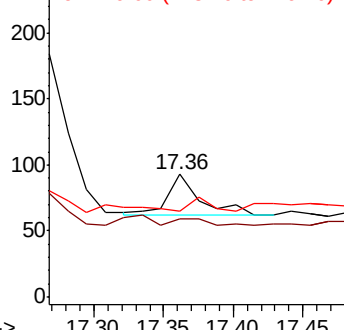
179 19.6 12.0 18.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.332 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

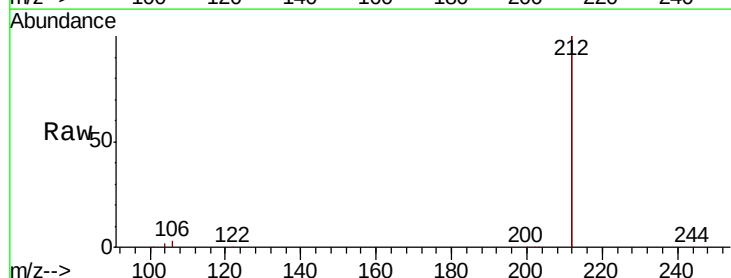
Tgt Ion:212 Resp: 49888

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

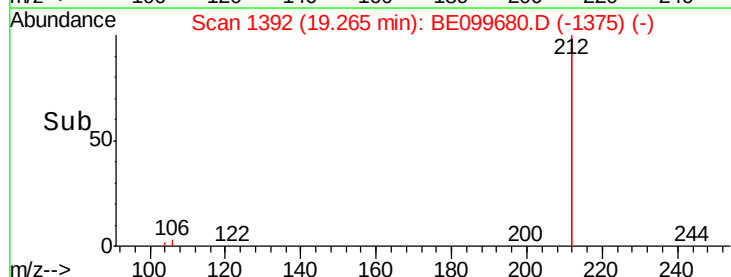
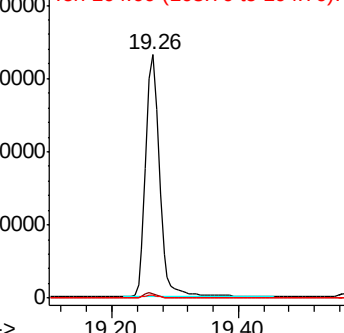
104 1.1 0.8 1.2

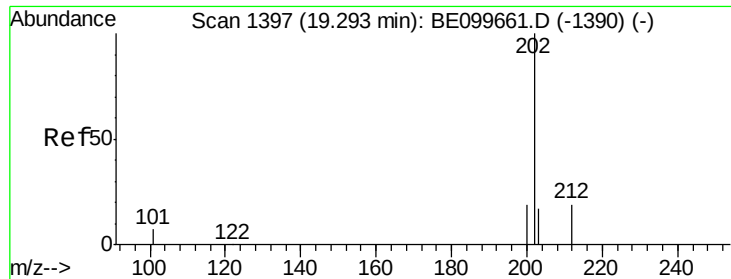


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

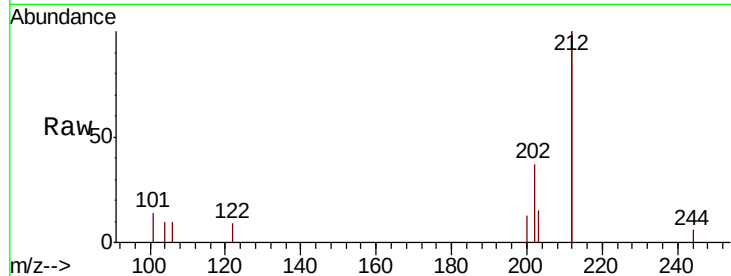




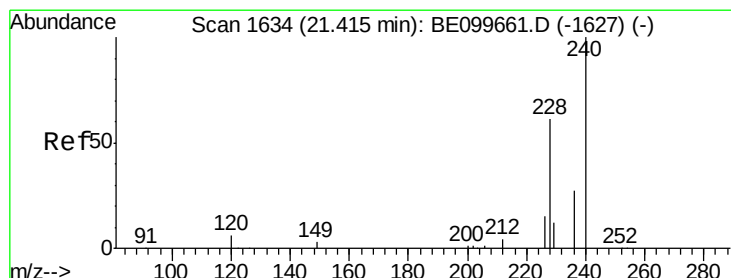
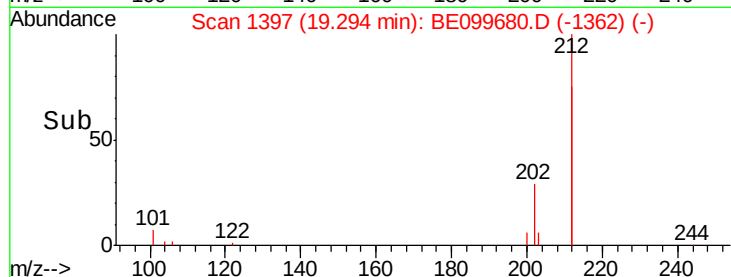
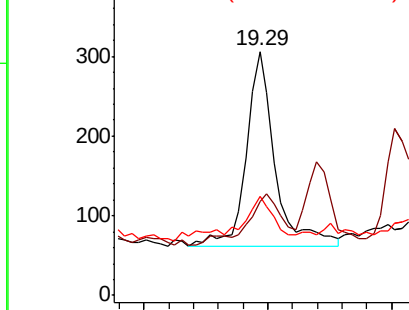
#26  
 Fluoranthene  
 Concen: 0.009 ng  
 RT: 19.29 min Scan# 1397  
 Delta R.T. 0.00 min  
 Lab File: BE099680.D  
 Acq: 21 May 2019 3:08

Instrument :  
 BNA\_E  
 ClientSampleId :  
 FESB-3(4.5-5)

Tgt Ion:202 Resp: 394  
 Ion Ratio Lower Upper  
 202 100  
 101 20.8 5.2 7.8#  
 203 15.7 13.8 20.6

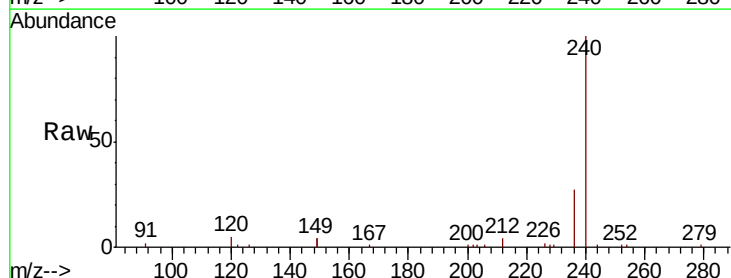


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

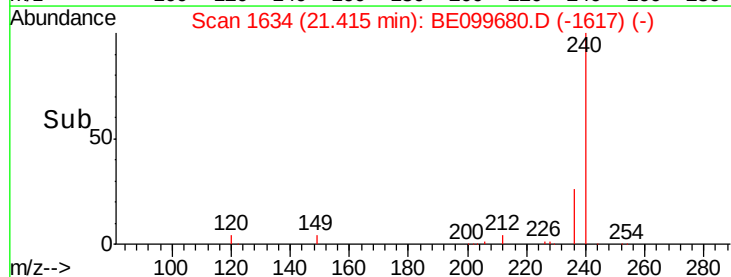
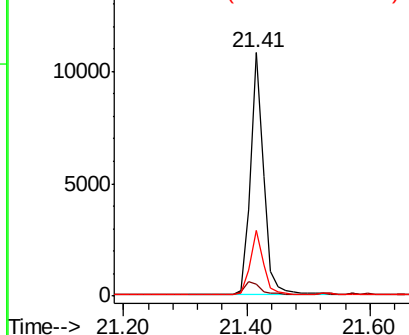


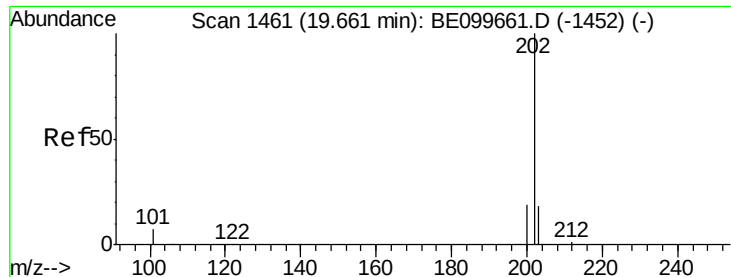
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.41 min Scan# 1634  
 Delta R.T. 0.00 min  
 Lab File: BE099680.D  
 Acq: 21 May 2019 3:08

Tgt Ion:240 Resp: 15945  
 Ion Ratio Lower Upper  
 240 100  
 120 4.8 5.4 8.0#  
 236 26.8 21.7 32.5



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

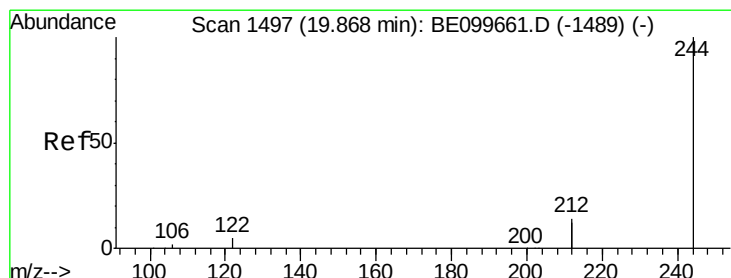
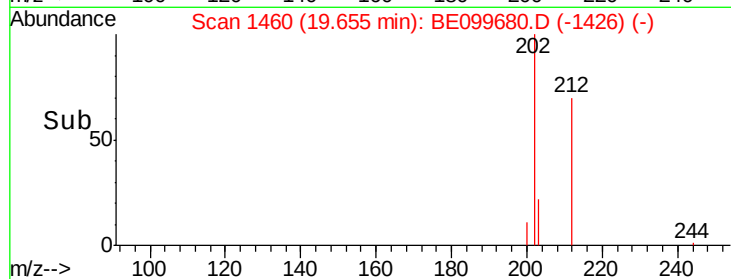
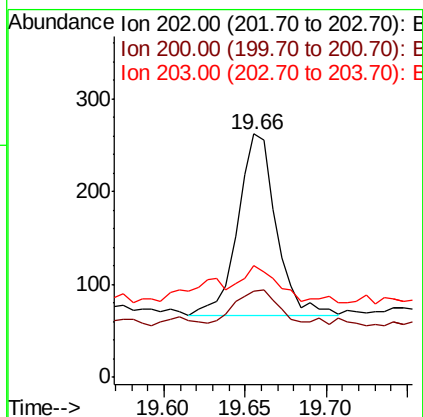
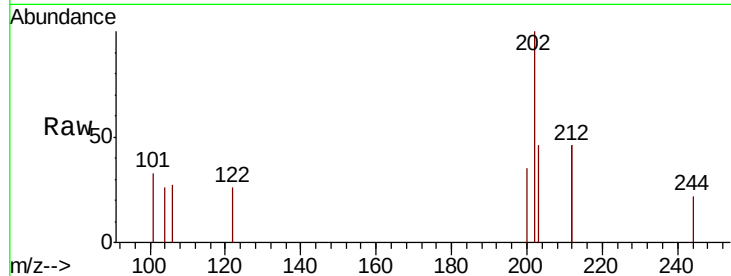




#28  
 Pyrene  
 Concen: 0.008 ng  
 RT: 19.66 min Scan# 1460  
 Delta R.T. -0.01 min  
 Lab File: BE099680.D  
 Acq: 21 May 2019 3:08

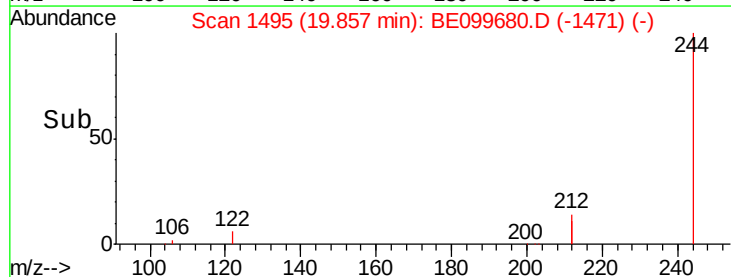
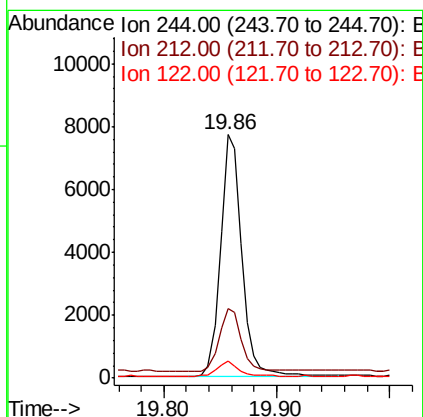
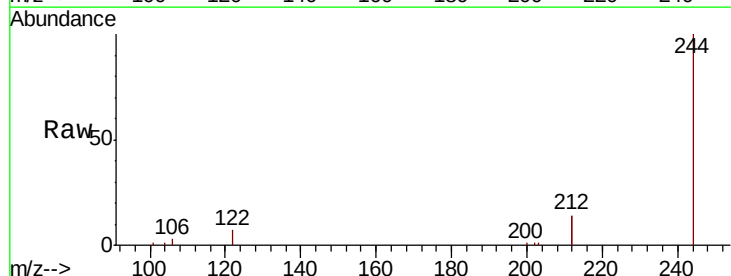
Instrument :  
 BNA\_E  
 ClientSampleId :  
 FESB-3(4.5-5)

Tgt Ion: 202 Resp: 318  
 Ion Ratio Lower Upper  
 202 100  
 200 20.1 15.4 23.2  
 203 22.3 13.8 20.8#

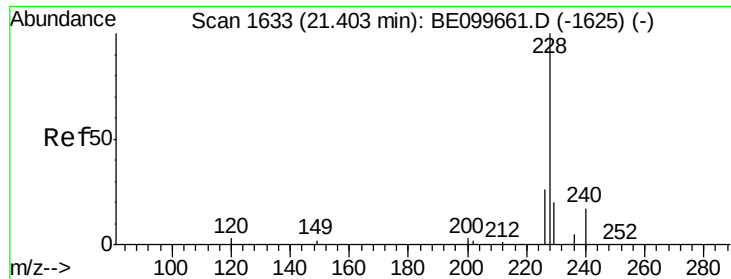


#29  
 Terphenyl-d14  
 Concen: 0.357 ng  
 RT: 19.86 min Scan# 1495  
 Delta R.T. -0.01 min  
 Lab File: BE099680.D  
 Acq: 21 May 2019 3:08

Tgt Ion: 244 Resp: 10162  
 Ion Ratio Lower Upper  
 244 100  
 212 28.5 22.5 33.7  
 122 6.9 4.3 6.5#







#30

Benzo(a)anthracene

Concen: 0.006 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

Instrument :

BNA\_E

ClientSampleId :

FESB-3(4.5-5)

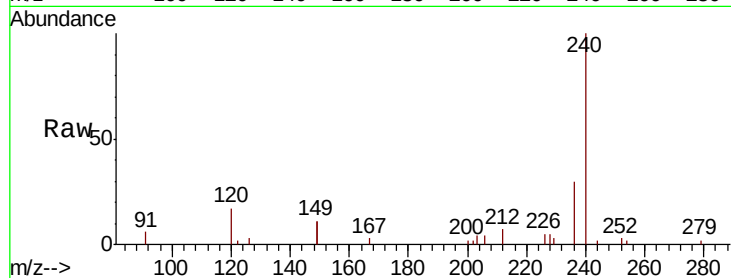
Tgt Ion:228 Resp: 261

Ion Ratio Lower Upper

228 100

226 88.3 21.3 31.9#

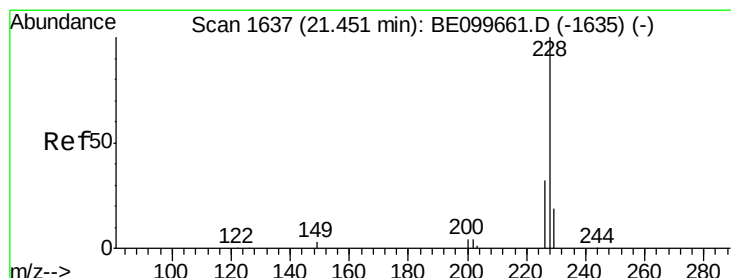
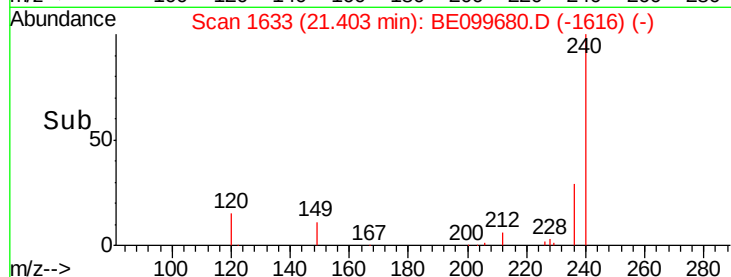
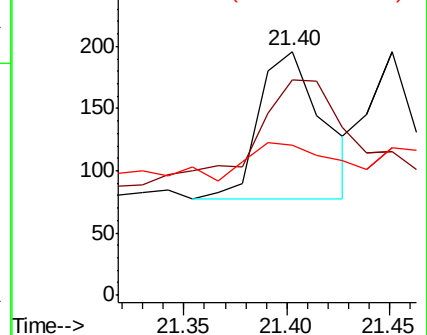
229 61.7 16.1 24.1#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.004 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

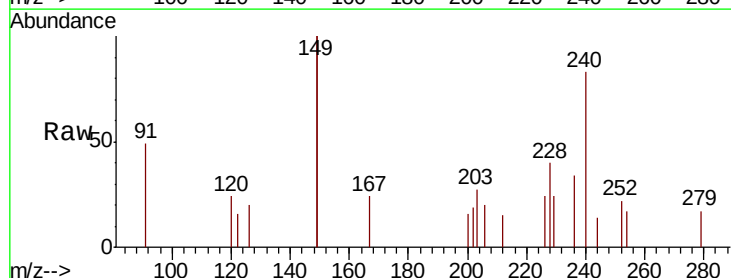
Tgt Ion:228 Resp: 173

Ion Ratio Lower Upper

228 100

226 59.2 24.7 37.1#

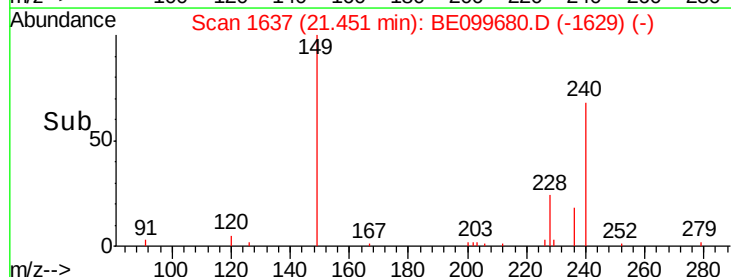
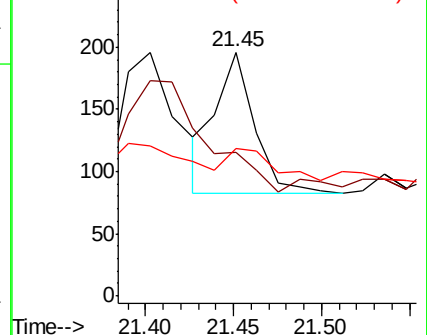
229 60.7 15.8 23.6#

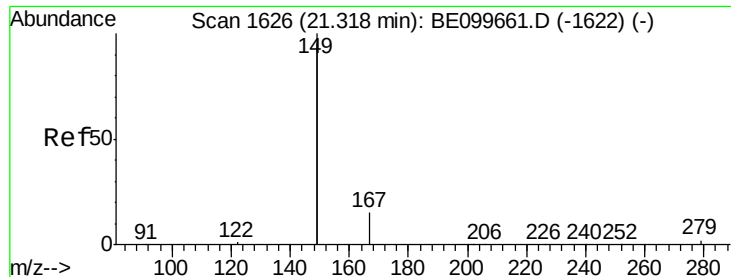


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.823 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

Instrument :

BNA\_E

ClientSampleId :

FESB-3(4.5-5)

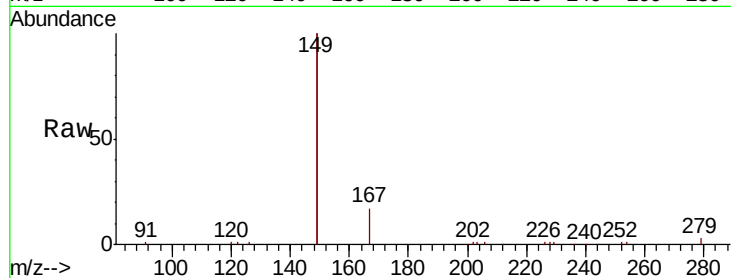
Tgt Ion:149 Resp: 42978

Ion Ratio Lower Upper

149 100

167 7.7 6.2 9.4

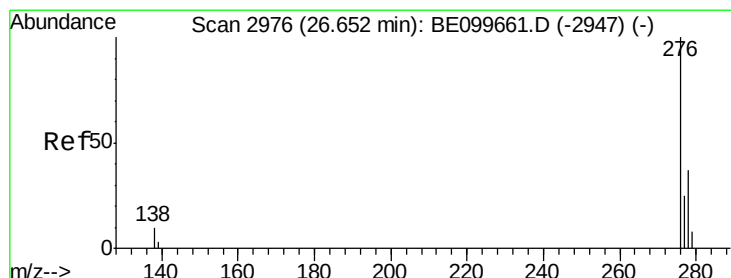
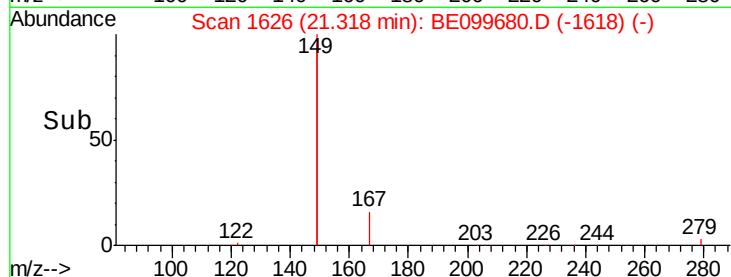
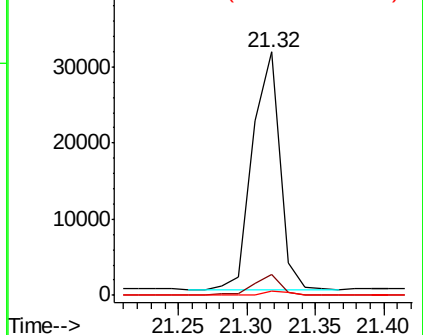
279 1.5 1.2 1.8



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.001 ng

RT: 26.64 min Scan# 2974

Delta R.T. -0.01 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

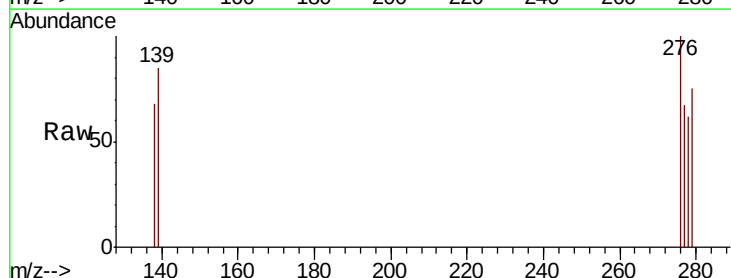
Tgt Ion:276 Resp: 87

Ion Ratio Lower Upper

276 100

138 24.1 9.6 14.4#

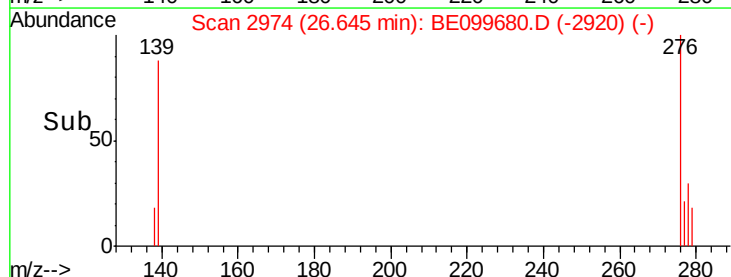
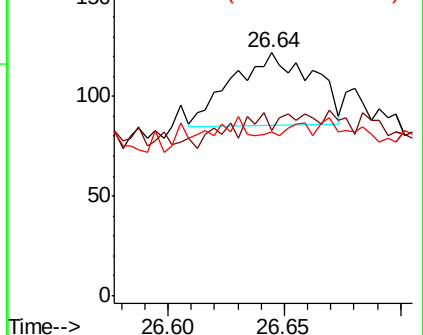
277 6.9 19.2 28.8#

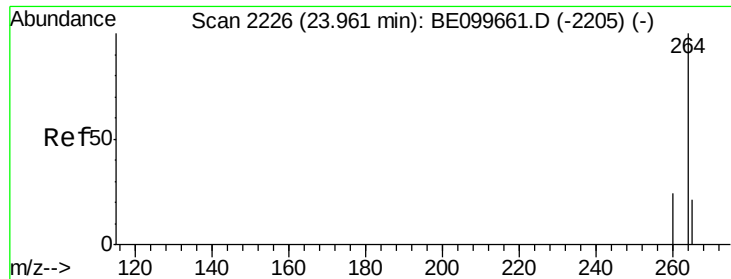


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

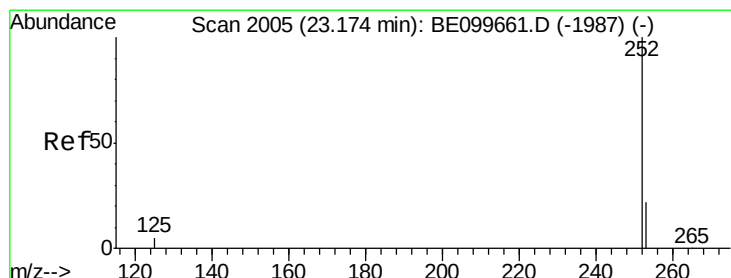
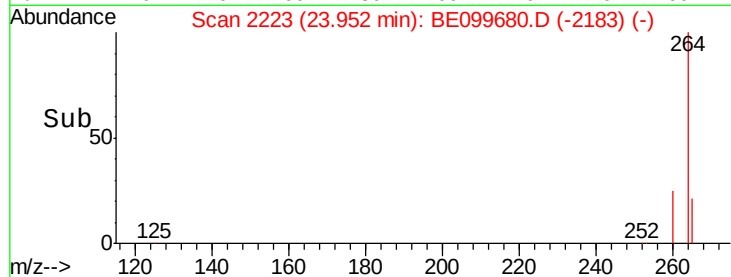
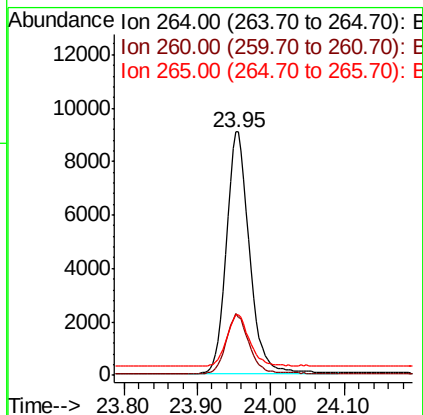
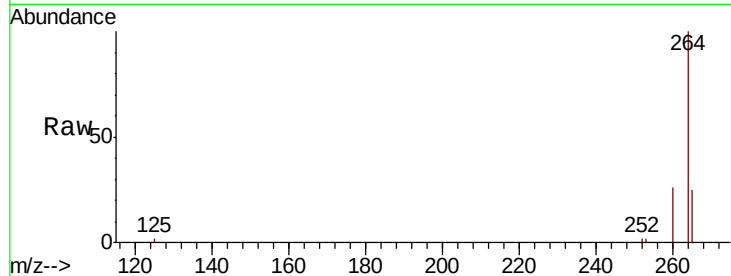




#34  
**Perylene-d12**  
 Concen: 0.400 ng  
 RT: 23.95 min Scan# 2223  
 Delta R.T. -0.01 min  
 Lab File: BE099680.D  
 Acq: 21 May 2019 3:08

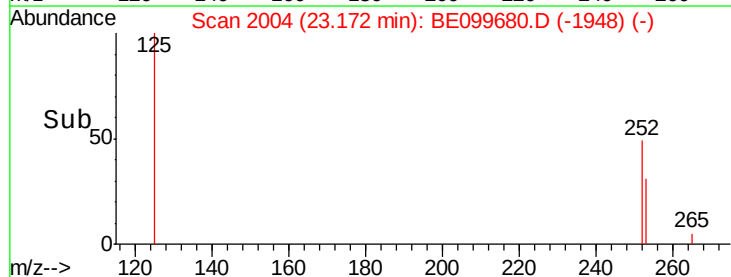
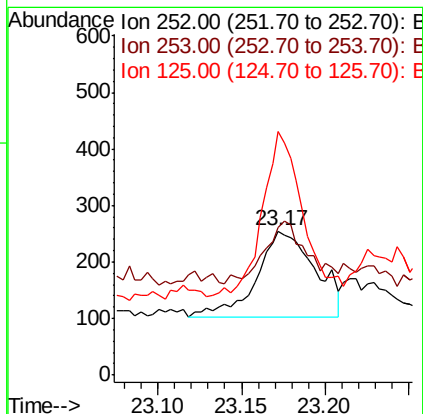
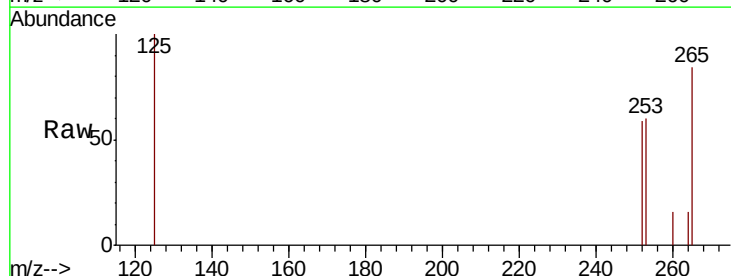
Instrument :  
 BNA\_E  
 ClientSampleId :  
 FESB-3(4.5-5)

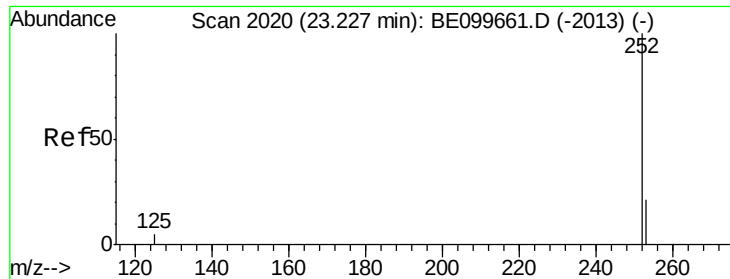
Tgt Ion: 264 Resp: 20017  
 Ion Ratio Lower Upper  
 264 100  
 260 25.5 19.6 29.4  
 265 24.7 19.1 28.7



#35  
**Benzo(b)fluoranthene**  
 Concen: 0.007 ng  
 RT: 23.17 min Scan# 2004  
 Delta R.T. -0.00 min  
 Lab File: BE099680.D  
 Acq: 21 May 2019 3:08

Tgt Ion: 252 Resp: 373  
 Ion Ratio Lower Upper  
 252 100  
 253 102.0 18.2 27.4#  
 125 169.0 4.5 6.7#





#36

Benzo(k)fluoranthene

Concen: 0.007 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.06 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

Instrument :

BNA\_E

ClientSampleId :

FESB-3(4.5-5)

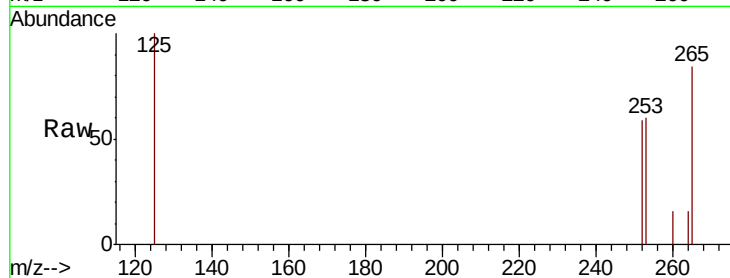
Tgt Ion:252 Resp: 373

Ion Ratio Lower Upper

252 100

253 102.0 17.8 26.8#

125 169.0 4.6 6.8#

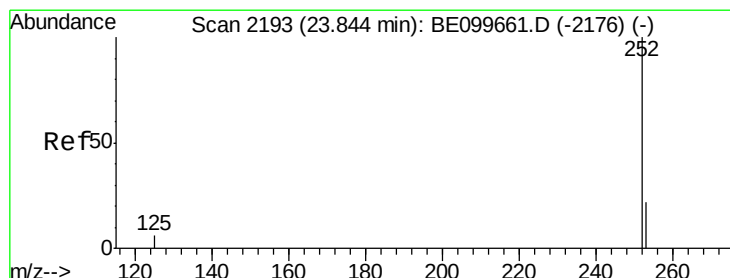
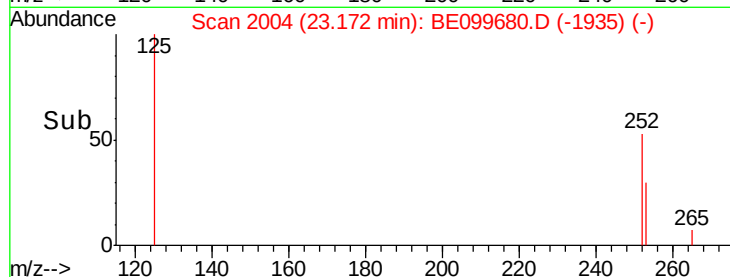
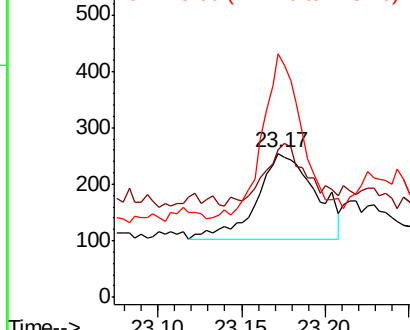


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.005 ng

RT: 23.85 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

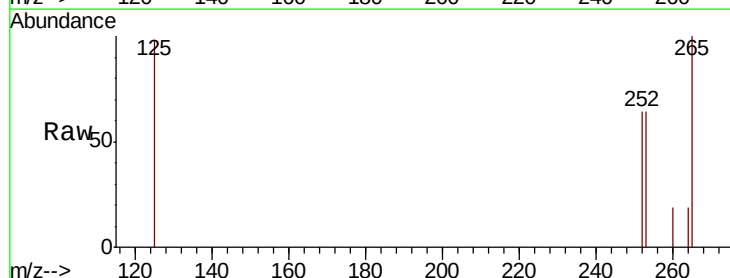
Tgt Ion:252 Resp: 241

Ion Ratio Lower Upper

252 100

253 99.1 18.9 28.3#

125 153.0 5.4 8.0#

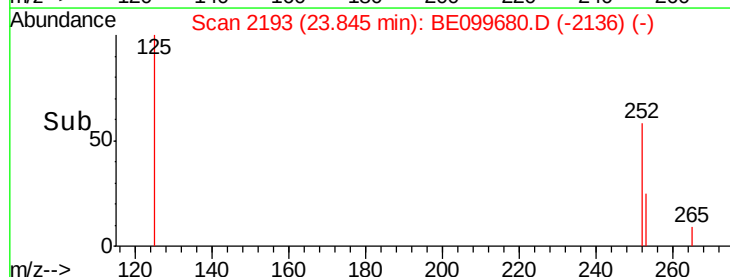
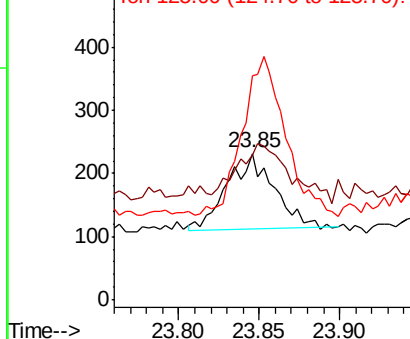


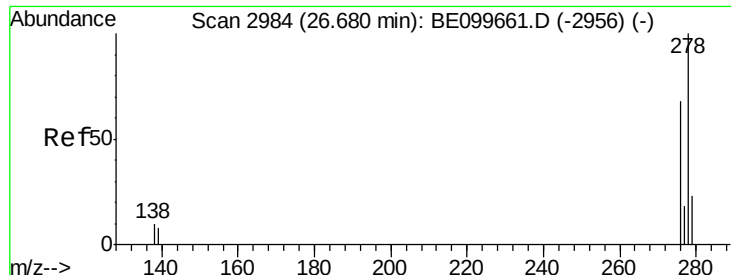
Abundance

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





#38

Dibenzo(a,h)anthracene

Concen: 0.000 ng

RT: 26.66 min Scan# 2979

Delta R.T. -0.02 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

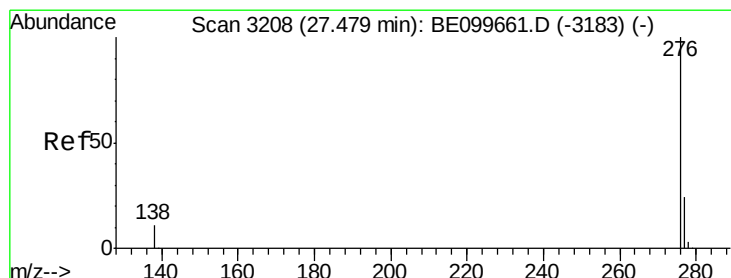
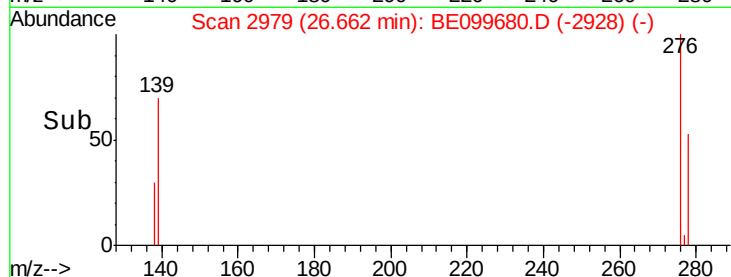
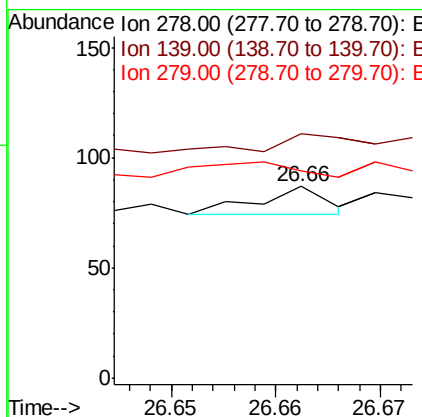
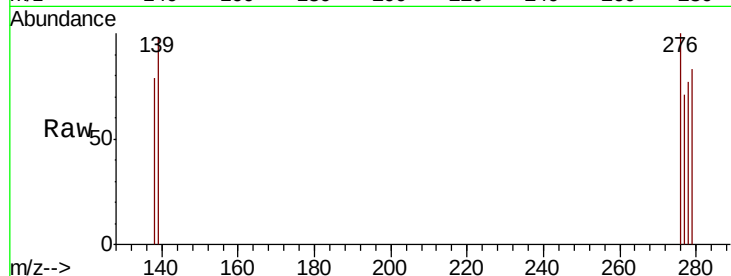
Instrument :

BNA\_E

ClientSampleId :

FESB-3(4.5-5)

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 278   | Resp: | 6     |
| Ion      | Ratio | Lower | Upper |
| 278      | 100   |       |       |
| 139      | 127.6 | 6.9   | 10.3# |
| 279      | 108.0 | 19.2  | 28.8# |



#39

Benzo(g,h,i)perylene

Concen: 0.001 ng

RT: 27.47 min Scan# 3205

Delta R.T. -0.01 min

Lab File: BE099680.D

Acq: 21 May 2019 3:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 76    |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 70.7  | 19.8  | 29.6# |
| 138      | 69.9  | 9.2   | 13.8# |

