

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051518\  
 Data File : BE096579.D  
 Acq On : 15 May 2018 15:35  
 Operator : SJ/JU  
 Sample : J2604-14DL 10X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: May 16 05:32:29 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 15 13:02:03 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.34  | 152  | 714      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 11.17 | 136  | 2825     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.92 | 164  | 1703     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.64 | 188  | 3764     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.73 | 240  | 3790     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.33 | 264  | 3574     | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.85  | 112 | 52   | 0.03 | ng | 0.00 |
| 5) Phenol-d6                | 7.51  | 99  | 87   | 0.03 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.54  | 82  | 108  | 0.04 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.71 | 152 | 170  | 0.04 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.40 | 330 | 30   | 0.04 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.56 | 172 | 239  | 0.03 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.62 | 212 | 1772 | 0.04 | ng | 0.00 |
| 29) Terphenyl-d14           | 20.18 | 244 | 347  | 0.04 | ng | 0.00 |

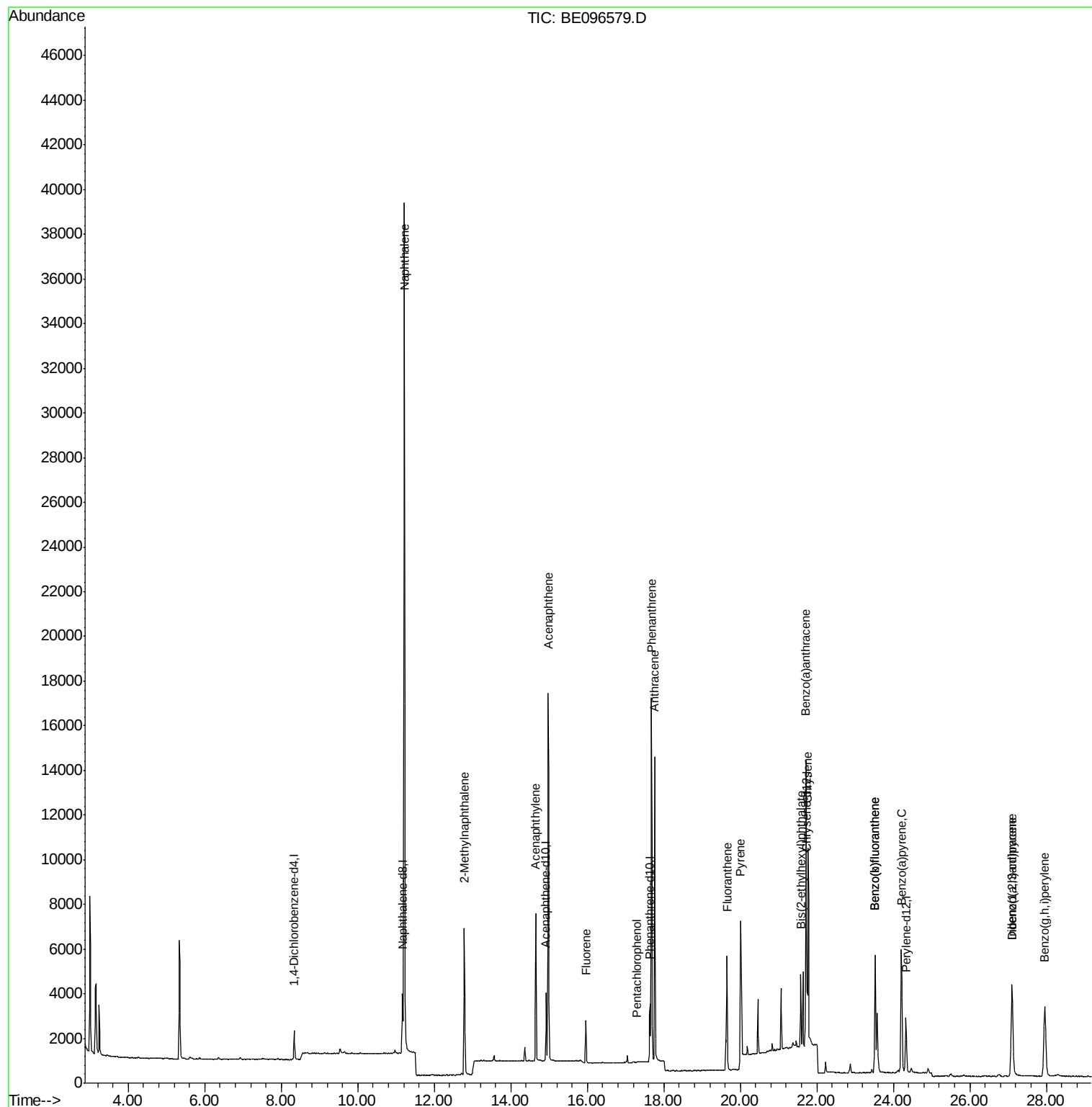
|                                |       |     |       |       |        |      |
|--------------------------------|-------|-----|-------|-------|--------|------|
| Target Compounds               |       |     |       |       | Qvalue |      |
| 9) Naphthalene                 | 11.22 | 128 | 61008 | 2.053 | ng     | 99   |
| 12) 2-Methylnaphthalene        | 12.78 | 142 | 4576  | 0.898 | ng     | 94   |
| 16) Acenaphthylene             | 14.65 | 152 | 7809  | 0.878 | ng     | 99   |
| 17) Acenaphthene               | 14.98 | 154 | 8578  | 1.584 | ng     | 95   |
| 18) Fluorene                   | 15.96 | 166 | 1494  | 0.222 | ng     | # 79 |
| 22) Pentachlorophenol          | 17.30 | 266 | 3     | 0.186 | ng     | 94   |
| 23) Phenanthrene               | 17.67 | 178 | 16886 | 1.598 | ng     | 99   |
| 24) Anthracene                 | 17.77 | 178 | 13746 | 1.398 | ng     | # 94 |
| 26) Fluoranthene               | 19.65 | 202 | 4833  | 0.382 | ng     | # 96 |
| 28) Pvrene                     | 20.00 | 202 | 4698  | 0.687 | ng     | 97   |
| 30) Benzo(a)anthracene         | 21.72 | 228 | 10928 | 0.938 | ng     | 96   |
| 31) Chrysene                   | 21.77 | 228 | 8323  | 0.686 | ng     | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.58 | 149 | 3843  | 0.154 | ng     | # 99 |
| 33) Indeno(1,2,3-cd)pyrene     | 27.10 | 276 | 4992  | 0.429 | ng     | # 94 |
| 35) Benzo(b)fluoranthene       | 23.52 | 252 | 8070  | 0.732 | ng     | # 89 |
| 36) Benzo(k)fluoranthene       | 23.52 | 252 | 8070  | 0.691 | ng     | 95   |
| 37) Benzo(a)pvrene             | 24.21 | 252 | 9461  | 0.898 | ng     | # 91 |
| 38) Dibenzo(a,h)anthracene     | 27.11 | 278 | 4737  | 0.492 | ng     | 97   |
| 39) Benzo(g,h,i)perylene       | 27.96 | 276 | 8159  | 0.809 | ng     | # 89 |

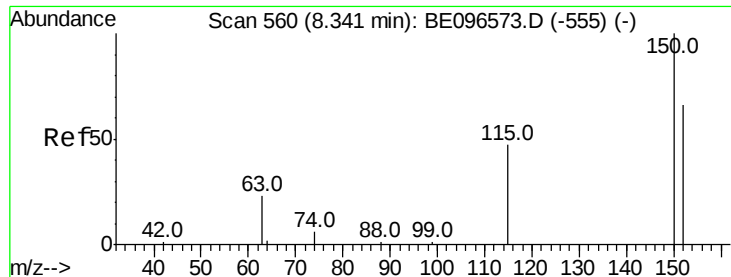
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 13:02:03 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.34 min Scan# 560

Delta R.T. -0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

Instrument :

BNA\_E

ClientSampleId :

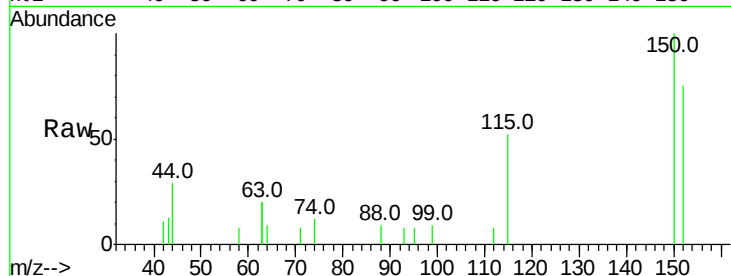
Tot Ion:152 Resp: 714

Ion Ratio Lower Upper

152 100

150 133.3 117.2 175.8

115 69.6 57.0 85.6



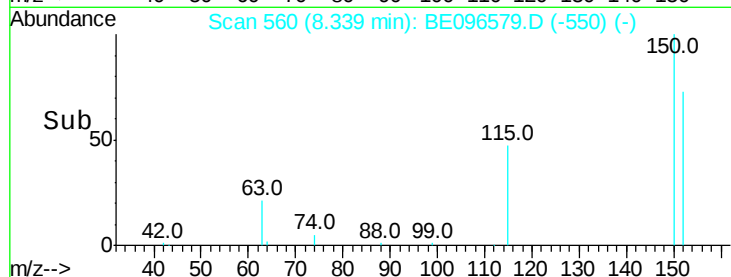
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

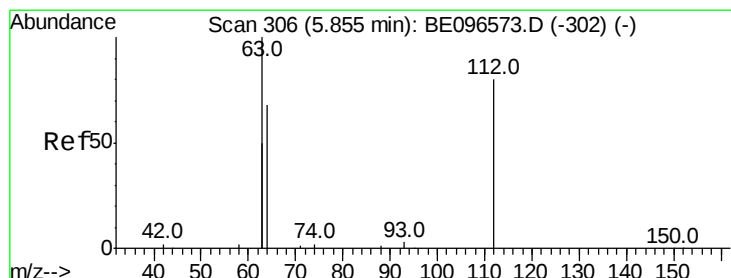
Ion 115.00 (114.70 to 115.70): E

8.34

Time-->



Time-->



#4

2-Fluorophenol

Concen: 0.026 ng

RT: 5.85 min Scan# 306

Delta R.T. -0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

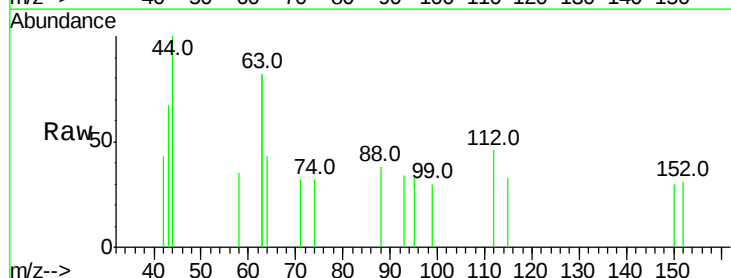
Tgt Ion:112 Resp: 52

Ion Ratio Lower Upper

112 100

64 105.8 60.1 90.1#

63 225.0 116.8 175.2#



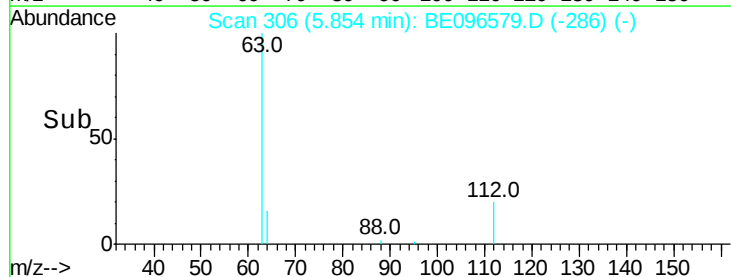
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

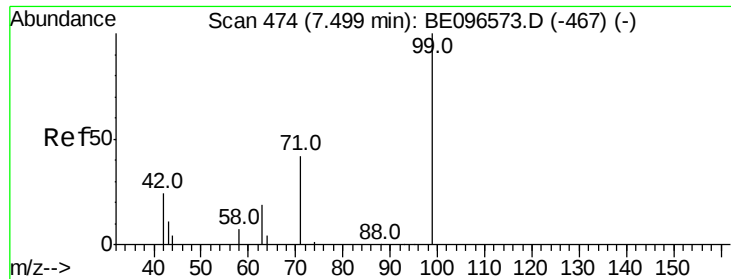
Ion 63.00 (62.70 to 63.70): BE0

5.85

Time-->



Time-->



#5

Phenol-d6

Concen: 0.031 ng

RT: 7.51 min Scan# 475

Delta R.T. 0.01 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

Instrument :

BNA\_E

ClientSampled :

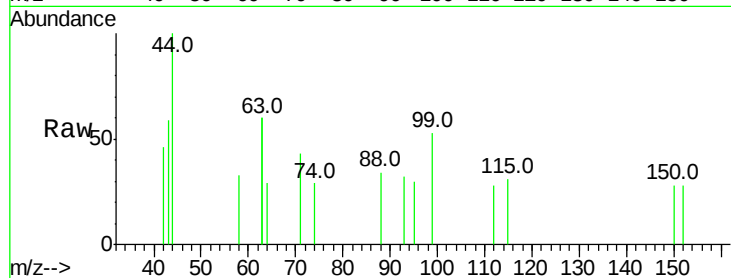
Tot Ion: 99 Resp: 87

Ion Ratio Lower Upper

99 100

42 35.6 20.2 30.2#

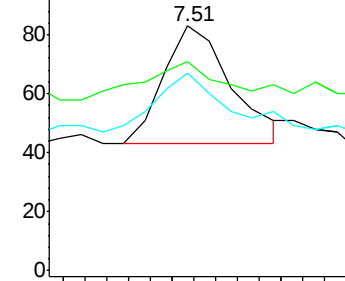
71 52.9 28.4 42.6#



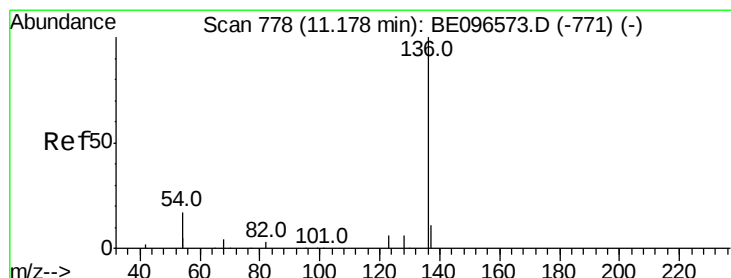
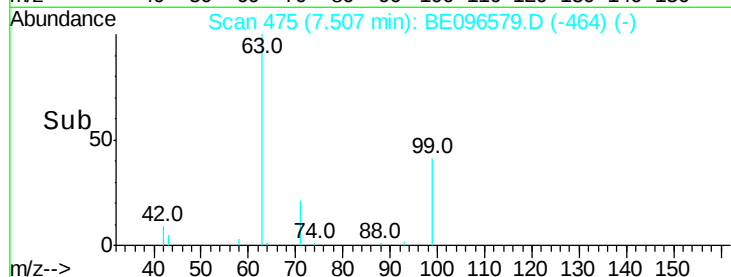
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time--> 7.45 7.50 7.55



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.17 min Scan# 777

Delta R.T. -0.01 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

Tgt Ion: 136 Resp: 2825

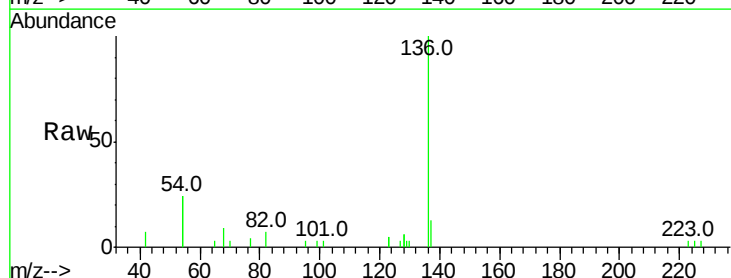
Ion Ratio Lower Upper

136 100

137 13.0 9.5 14.3

54 47.4 29.1 43.7#

68 8.8 6.2 9.2

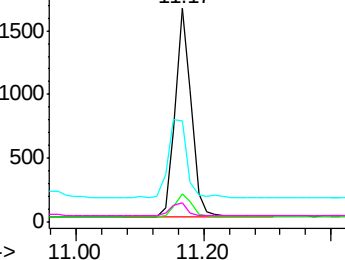


Abundance Ion 136.00 (135.70 to 136.70): E

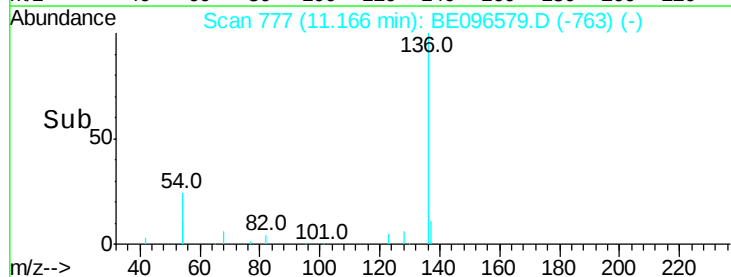
Ion 137.00 (136.70 to 137.70): E

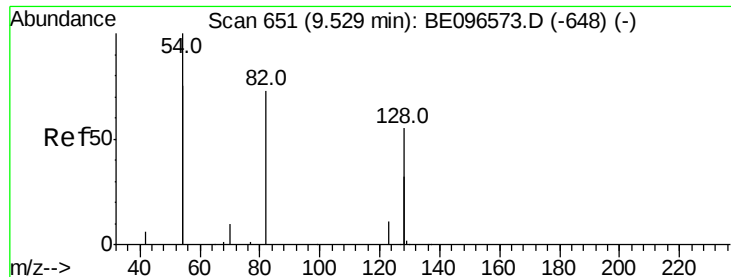
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 11.00 11.20

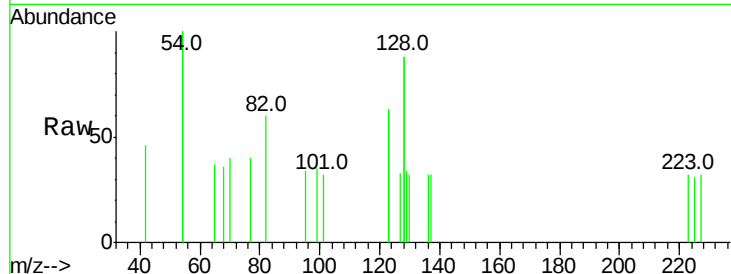




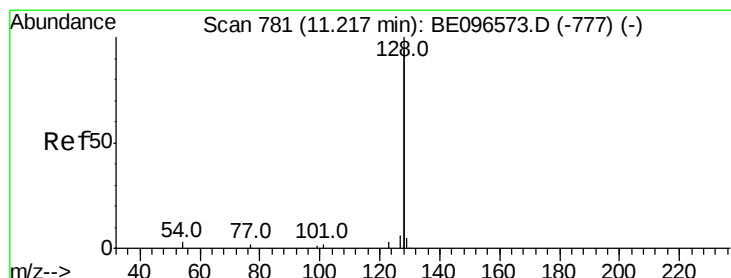
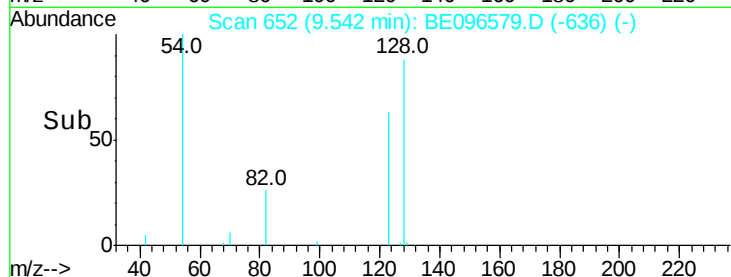
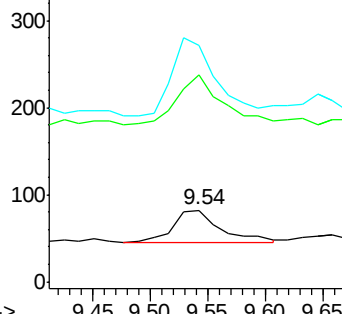
#8  
Nitrobenzene-d5  
Concen: 0.036 ng  
RT: 9.54 min Scan# 652  
Delta R.T. 0.01 min  
Lab File: BE096579.D  
Acq: 15 May 2018 15:35

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion: 82 Resp: 108  
Ion Ratio Lower Upper  
82 100  
128 290.2 150.0 225.0#  
54 331.7 154.2 231.4#

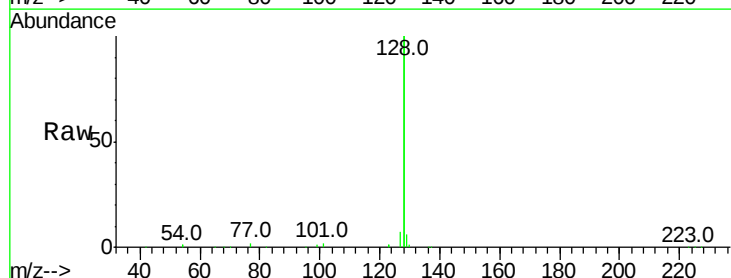


Abundance Ion 82.00 (81.70 to 82.70): BE0  
Ion 128.00 (127.70 to 128.70): BE0  
Ion 54.00 (53.70 to 54.70): BE0

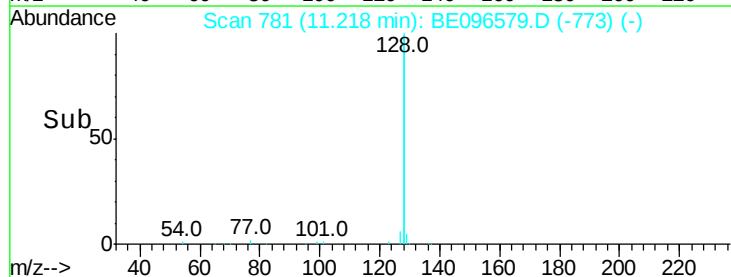
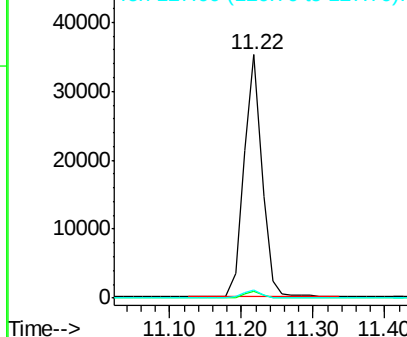


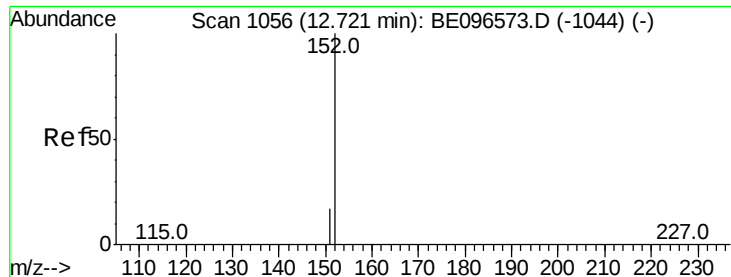
#9  
Naphthalene  
Concen: 2.053 ng  
RT: 11.22 min Scan# 781  
Delta R.T. 0.00 min  
Lab File: BE096579.D  
Acq: 15 May 2018 15:35

Tgt Ion: 128 Resp: 61008  
Ion Ratio Lower Upper  
128 100  
129 2.9 2.6 3.8  
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

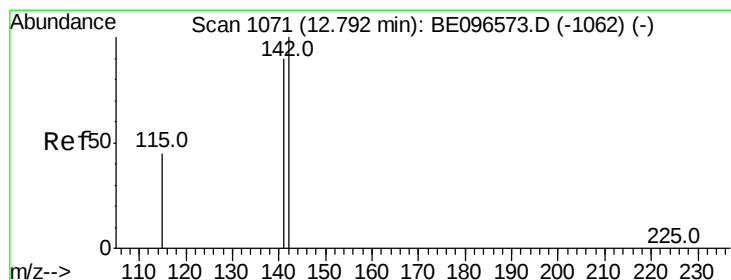
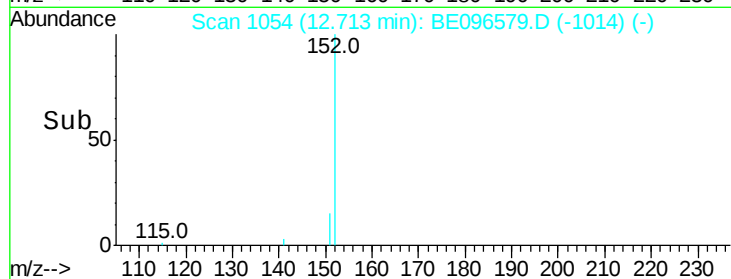
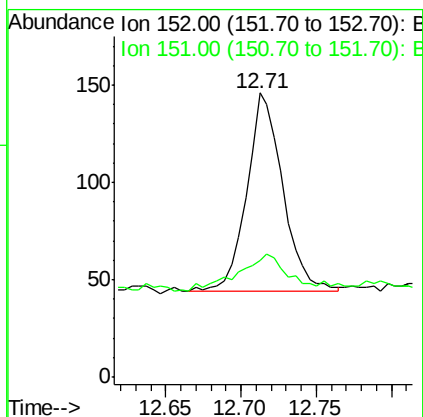
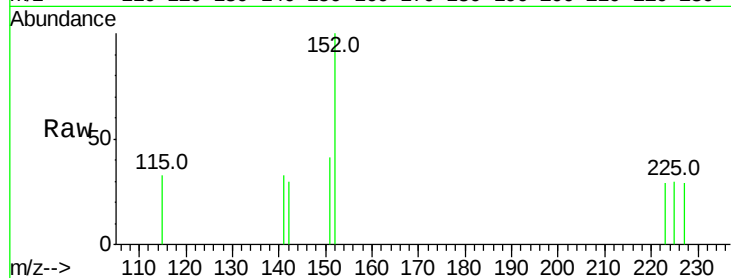




#11  
2-Methylnaphthalene-d10  
Concen: 0.037 ng  
RT: 12.71 min Scan# 1054  
Delta R.T. -0.01 min  
Lab File: BE096579.D  
Acq: 15 May 2018 15:35

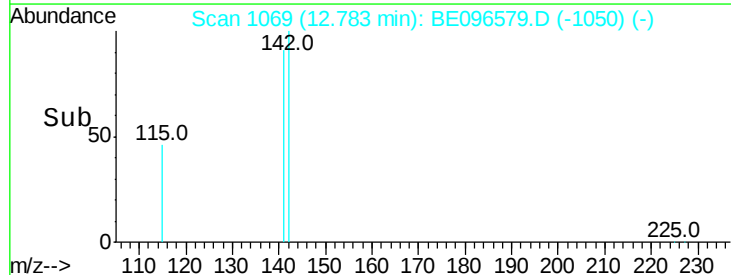
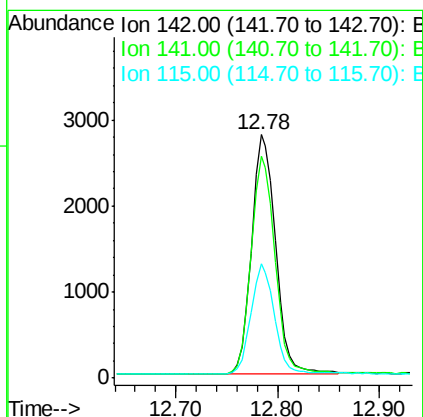
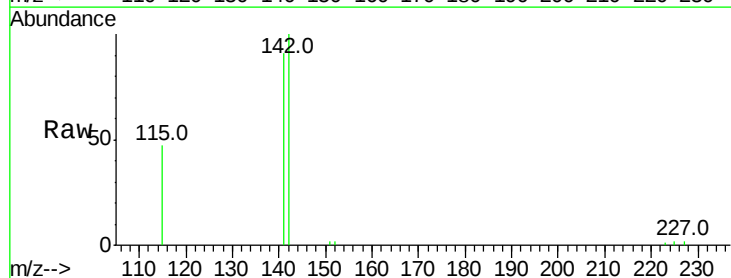
Instrument :  
BNA\_E  
ClientSampleId :

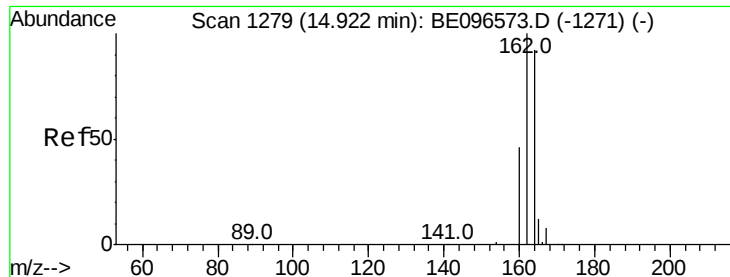
Tot Ion:152 Resp: 170  
Ion Ratio Lower Upper  
152 100  
151 25.9 15.4 23.0#



#12  
2-Methylnaphthalene  
Concen: 0.898 ng  
RT: 12.78 min Scan# 1069  
Delta R.T. -0.01 min  
Lab File: BE096579.D  
Acq: 15 May 2018 15:35

Tgt Ion:142 Resp: 4576  
Ion Ratio Lower Upper  
142 100  
141 91.0 70.4 105.6  
115 46.8 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.92 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

Instrument :

BNA\_E

ClientSampleId :

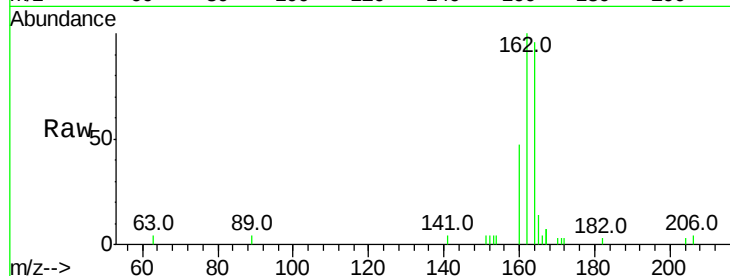
Tot Ion:164 Resp: 1703

Ion Ratio Lower Upper

164 100

162 104.6 83.1 124.7

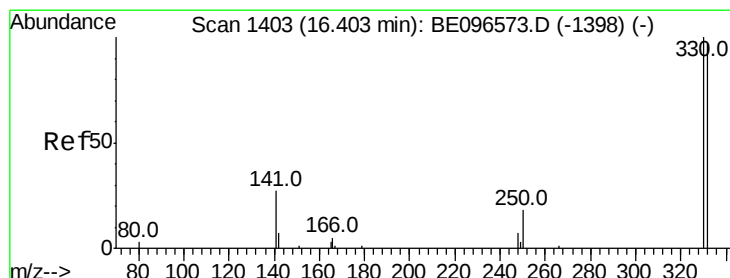
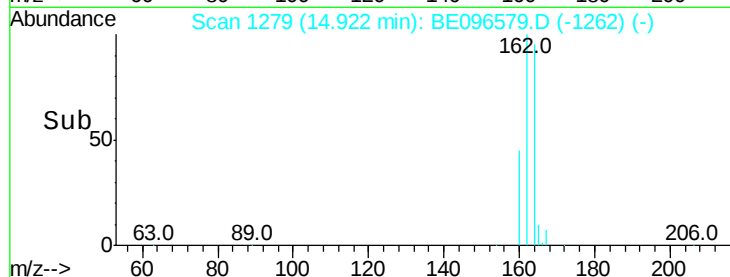
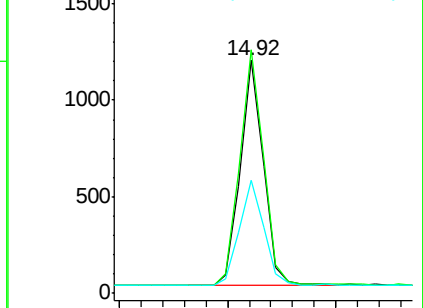
160 48.7 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.045 ng

RT: 16.40 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

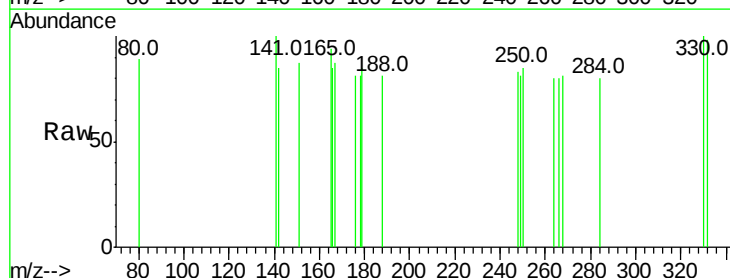
Tgt Ion:330 Resp: 30

Ion Ratio Lower Upper

330 100

332 73.3 152.7 229.1#

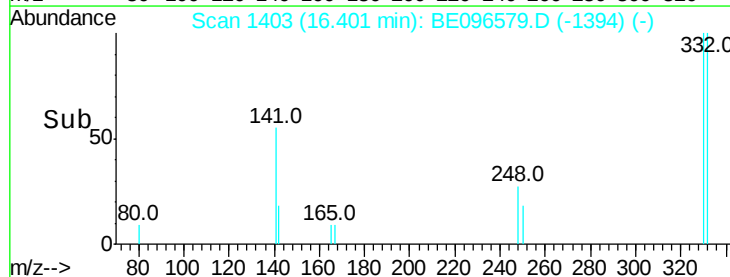
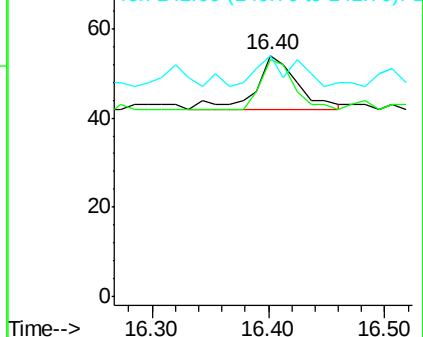
141 53.3 33.7 50.5#

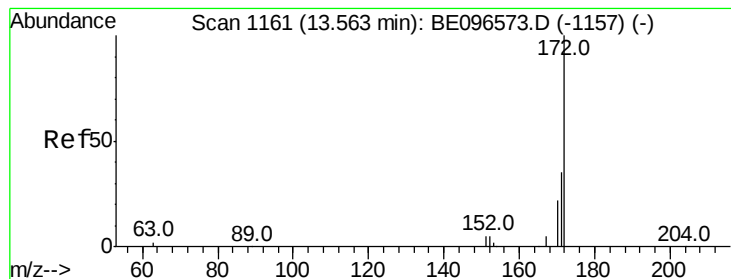


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.033 ng

RT: 13.56 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

Instrument :

BNA\_E

ClientSampleId :

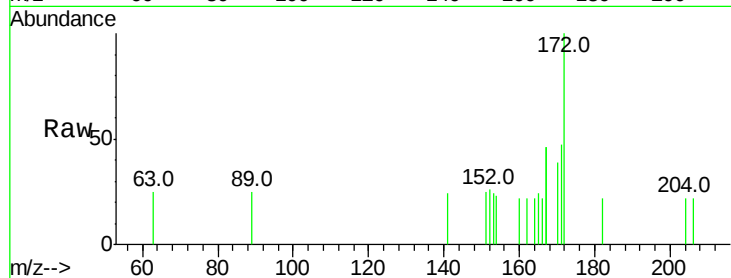
Tot Ion:172 Resp: 239

Ion Ratio Lower Upper

172 100

171 47.2 29.9 44.9#

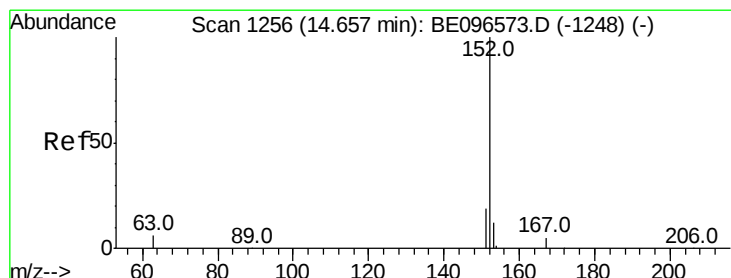
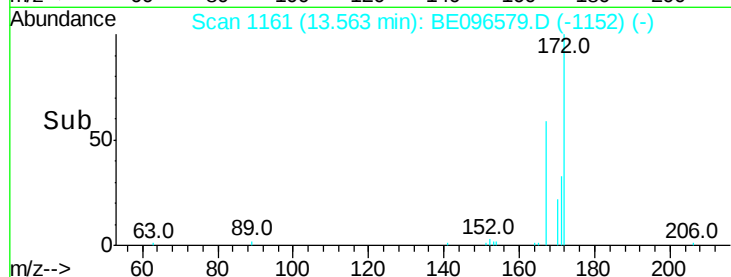
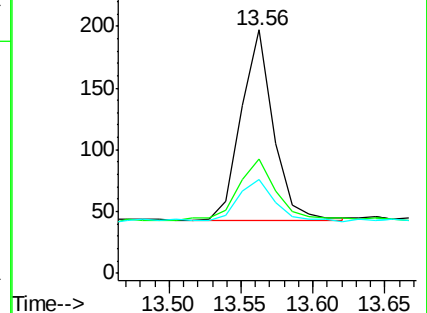
170 38.6 21.8 32.8#



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: 0.878 ng

RT: 14.65 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

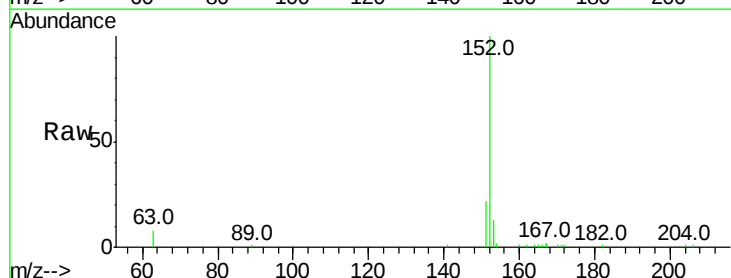
Tgt Ion:152 Resp: 7809

Ion Ratio Lower Upper

152 100

151 20.3 15.7 23.5

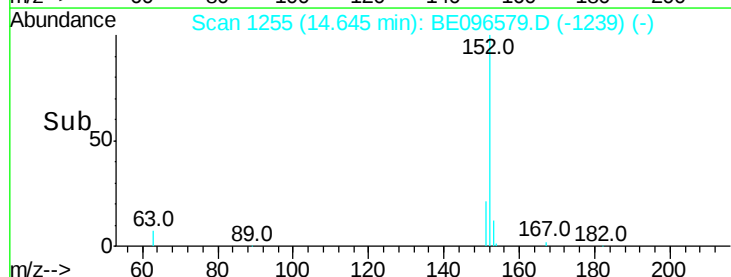
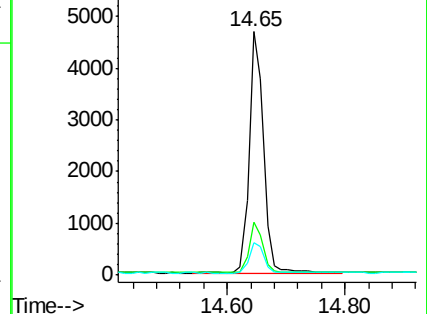
153 12.8 10.5 15.7

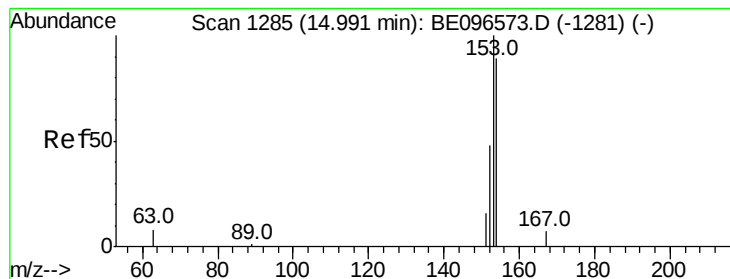


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 1.584 ng

RT: 14.98 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

Instrument :

BNA\_E

ClientSampled :

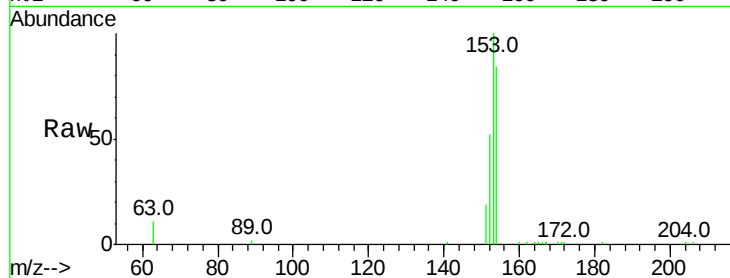
Tot Ion:154 Resp: 8578

Ion Ratio Lower Upper

154 100

153 115.6 89.2 133.8

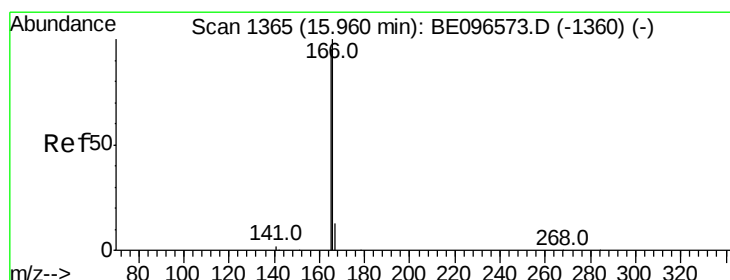
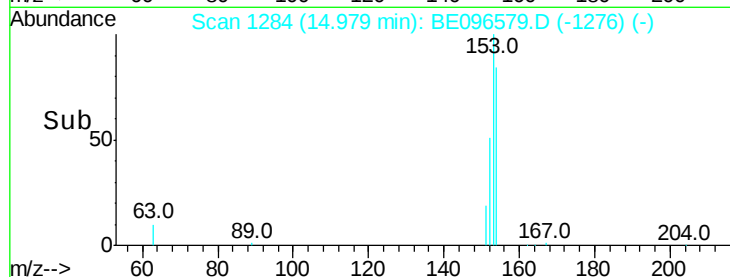
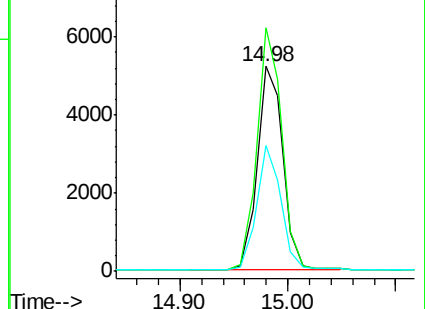
152 57.7 42.0 63.0



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: 0.222 ng

RT: 15.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

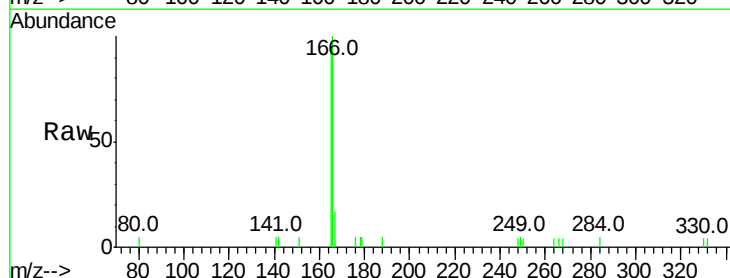
Tgt Ion:166 Resp: 1494

Ion Ratio Lower Upper

166 100

165 99.4 77.8 116.6

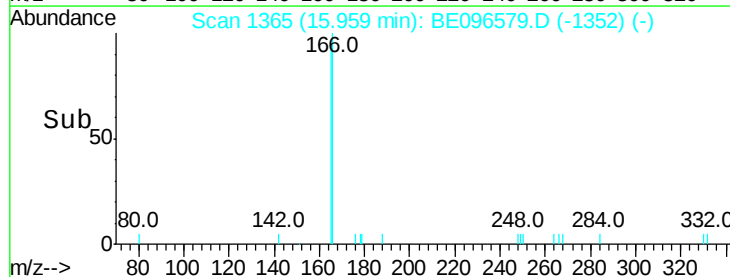
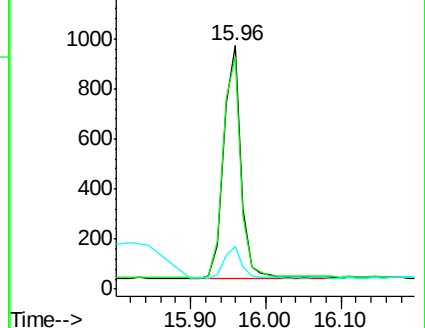
167 13.1 42.4 63.6#

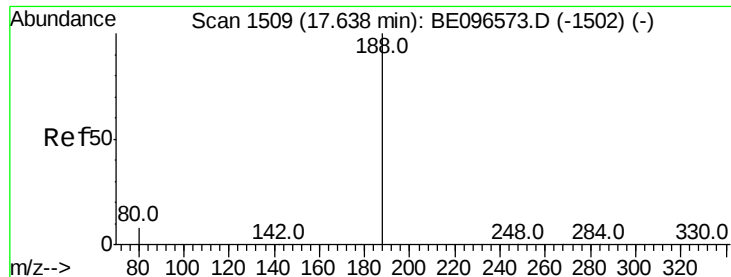


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.64 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

Instrument :

BNA\_E

ClientSampleId :

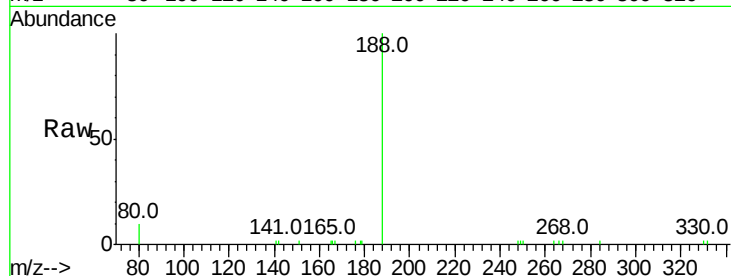
Tot Ion:188 Resp: 3764

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

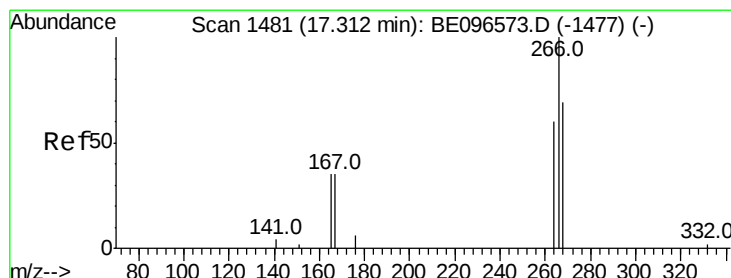
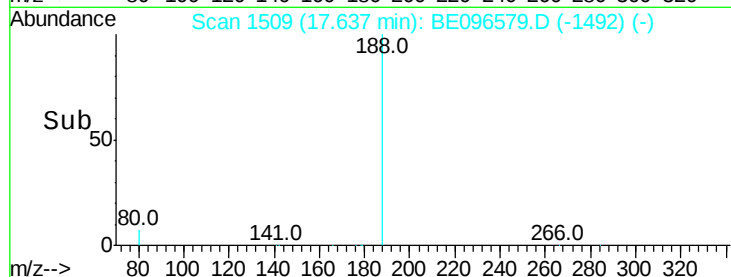
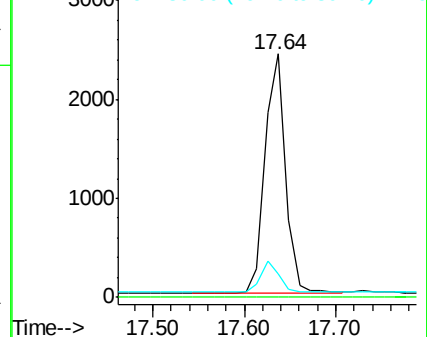
80 9.5 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.186 ng

RT: 17.30 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

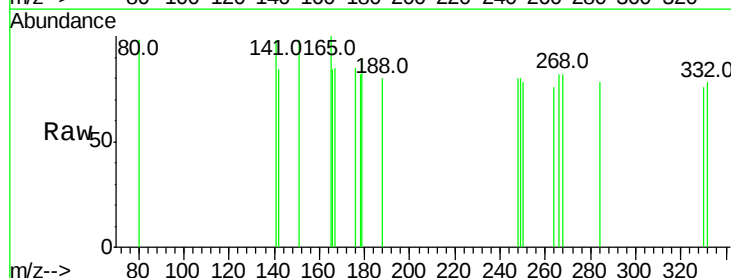
Tgt Ion:266 Resp: 3

Ion Ratio Lower Upper

266 100

264 93.3 72.5 108.7

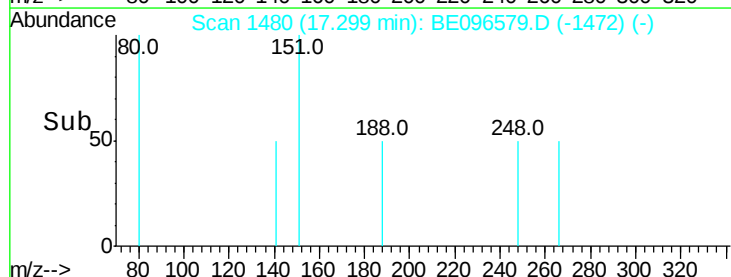
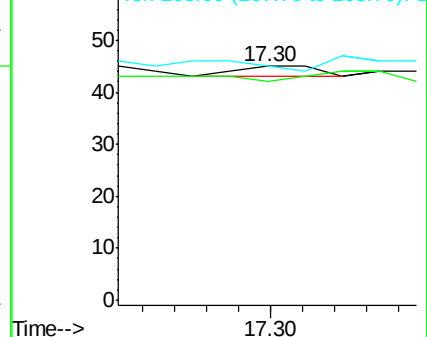
268 100.0 73.8 110.6

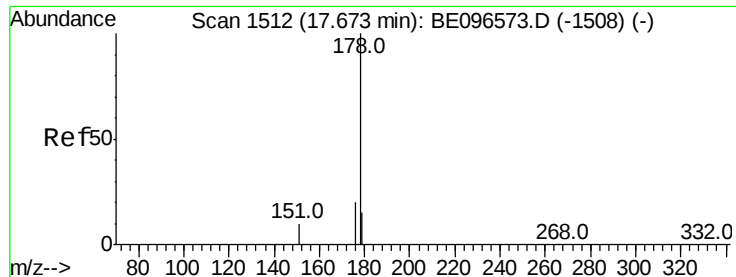


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.598 ng

RT: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

Instrument :

BNA\_E

ClientSampleId :

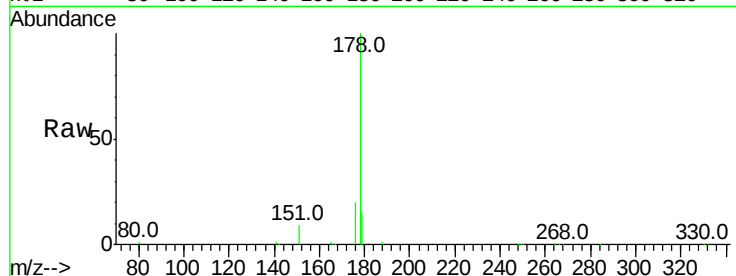
Tot Ion:178 Resp: 16886

Ion Ratio Lower Upper

178 100

176 19.7 15.1 22.7

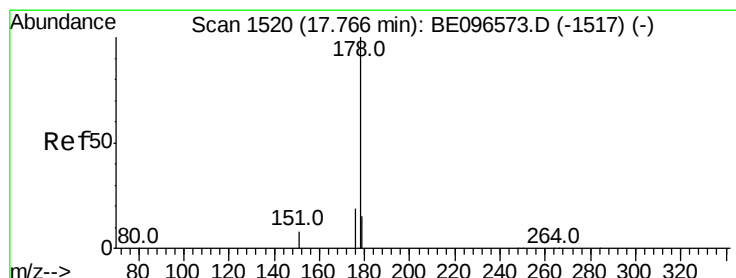
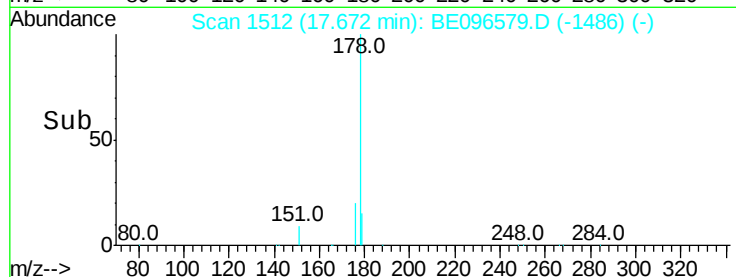
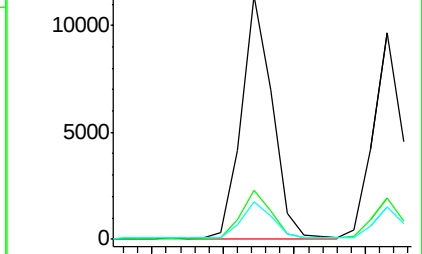
179 15.1 11.8 17.6



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: 1.398 ng

RT: 17.77 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

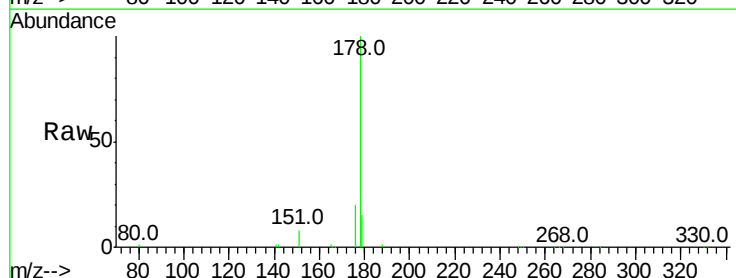
Tgt Ion:178 Resp: 13746

Ion Ratio Lower Upper

178 100

176 19.4 12.8 19.2#

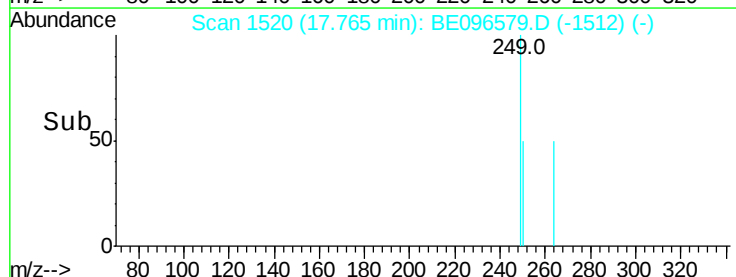
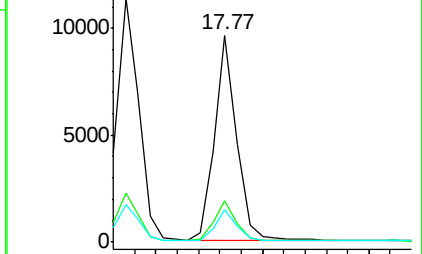
179 15.0 13.0 19.6

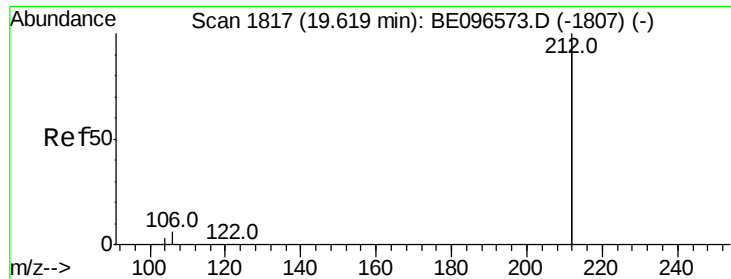


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.039 ng

RT: 19.62 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

Instrument :

BNA\_E

ClientSampleId :

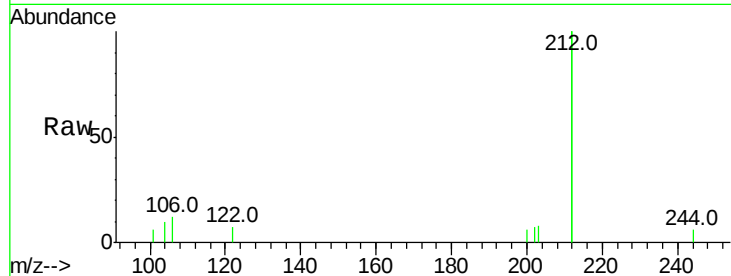
Tot Ion:212 Resp: 1772

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

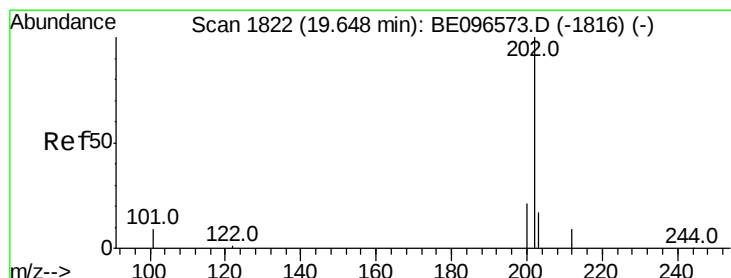
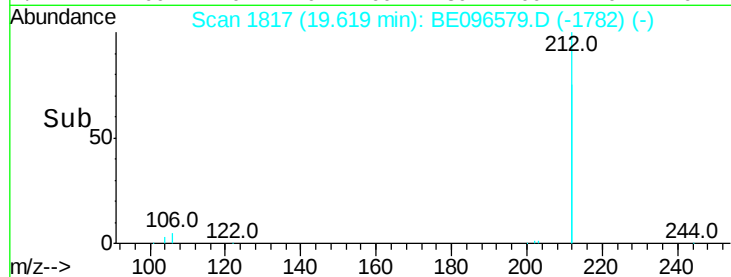
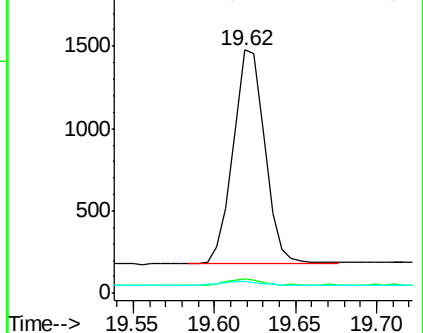
104 2.3 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.382 ng

RT: 19.65 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

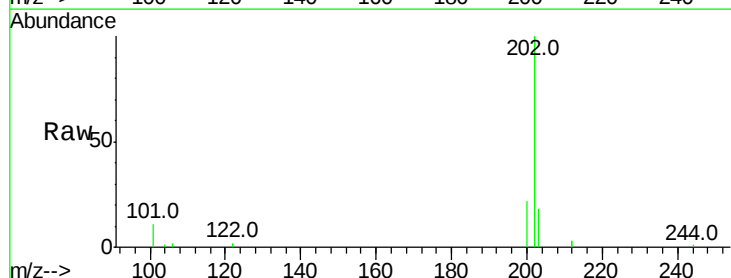
Tgt Ion:202 Resp: 4833

Ion Ratio Lower Upper

202 100

101 8.8 9.8 14.8#

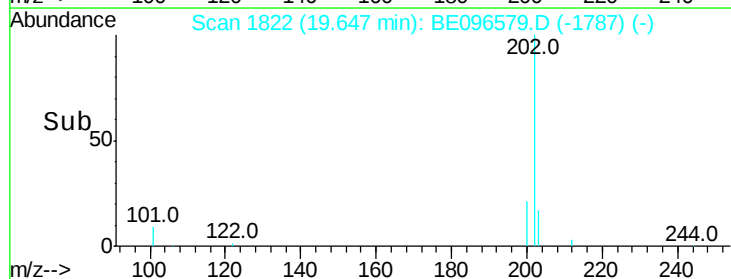
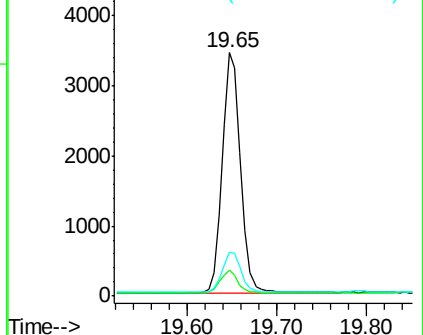
203 17.2 13.7 20.5

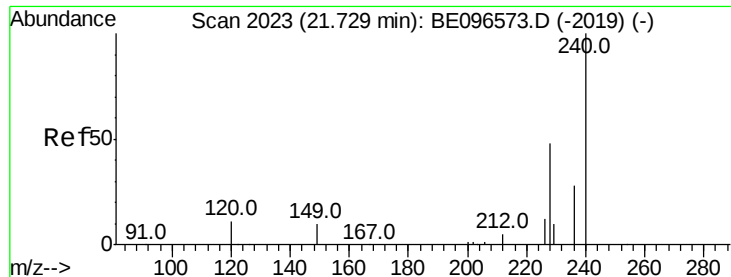


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.73 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

Instrument :

BNA\_E

ClientSampleId :

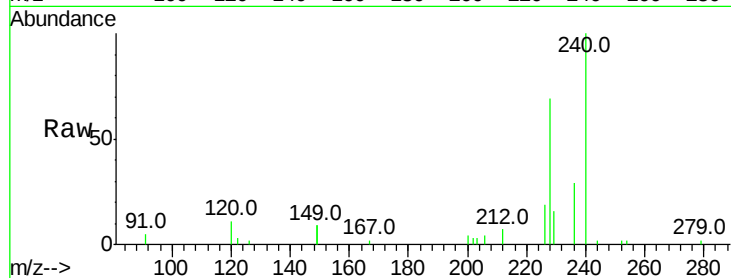
Tot Ion:240 Resp: 3790

Ion Ratio Lower Upper

240 100

120 10.7 5.5 8.3#

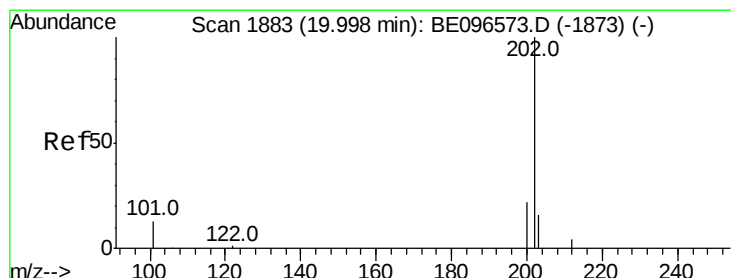
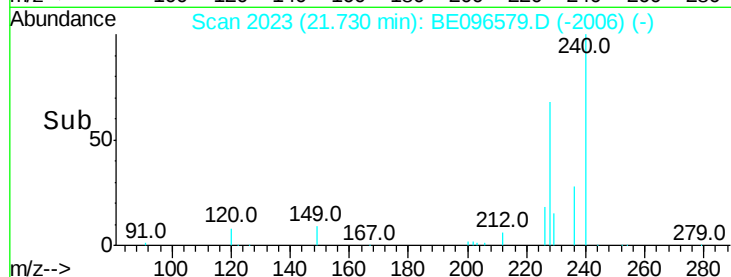
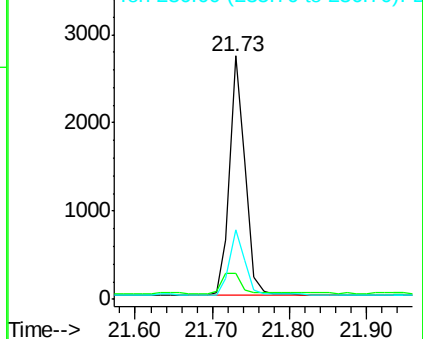
236 28.8 20.7 31.1



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: 0.687 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

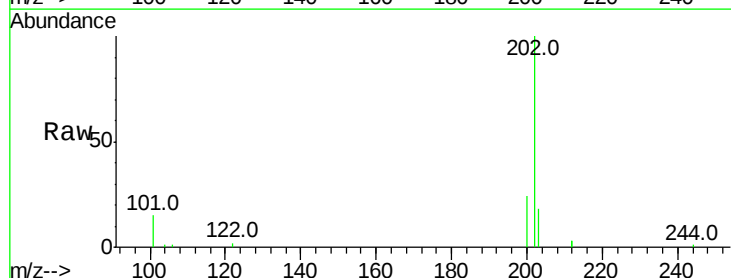
Tgt Ion:202 Resp: 4698

Ion Ratio Lower Upper

202 100

200 23.5 16.6 25.0

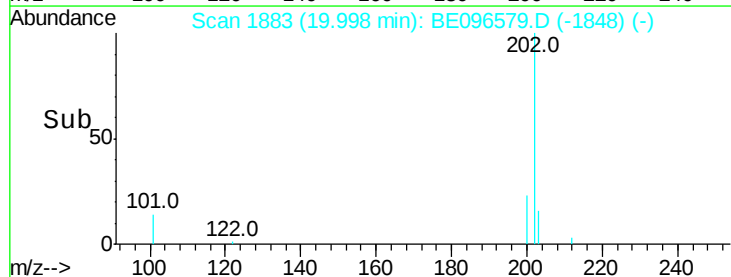
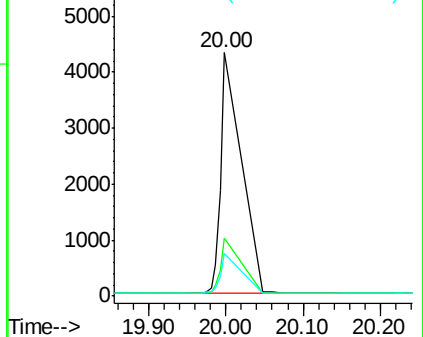
203 17.4 13.8 20.8

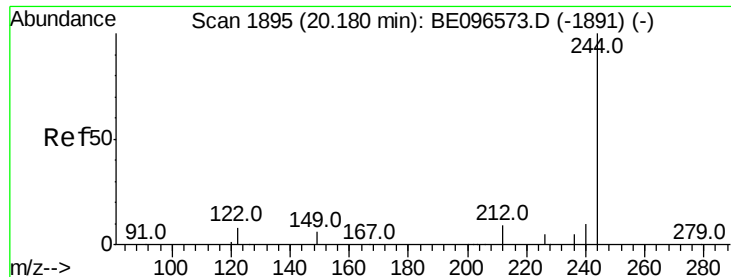


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.040 ng

RT: 20.18 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

Instrument :

BNA\_E

ClientSampled :

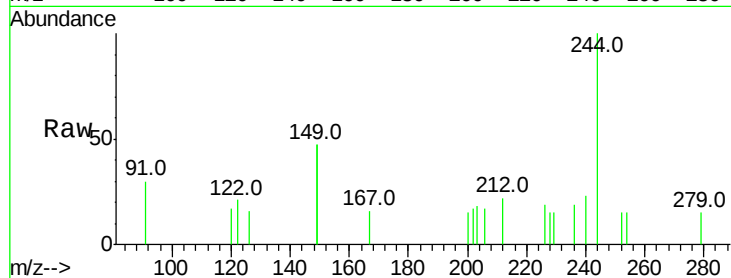
Tot Ion:244 Resp: 347

Ion Ratio Lower Upper

244 100

212 22.1 25.4 38.0#

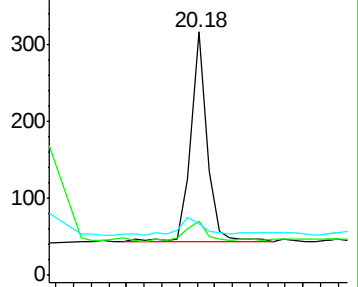
122 20.8 8.1 12.1#



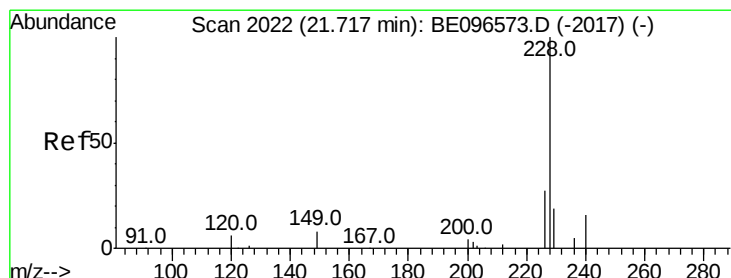
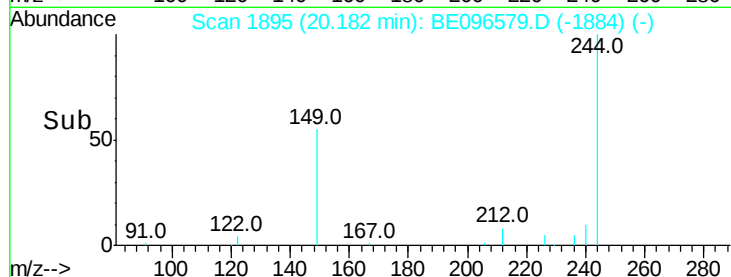
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#30

Benzo(a)anthracene

Concen: 0.938 ng

RT: 21.72 min Scan# 222

Delta R.T. 0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

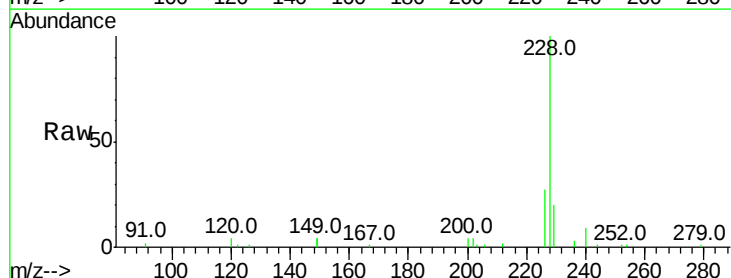
Tgt Ion:228 Resp: 10928

Ion Ratio Lower Upper

228 100

226 26.9 24.0 36.0

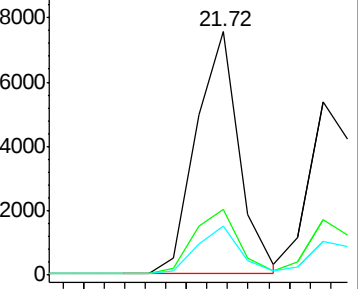
229 20.2 16.0 24.0



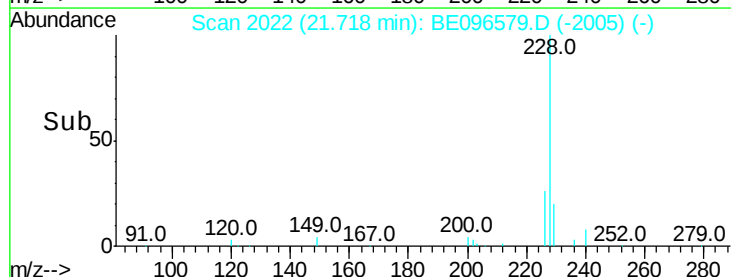
Abundance Ion 228.00 (227.70 to 228.70): E

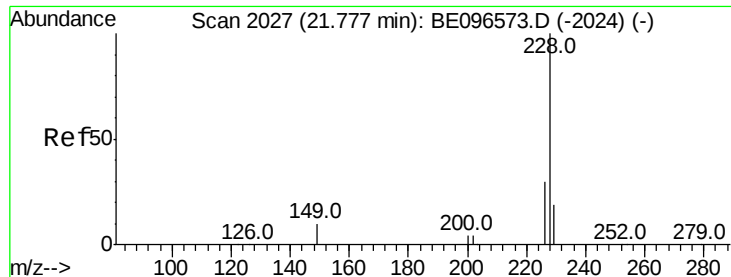
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#31

Chrysene

Concen: 0.686 ng

RT: 21.77 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

Instrument :

BNA\_E

ClientSampleId :

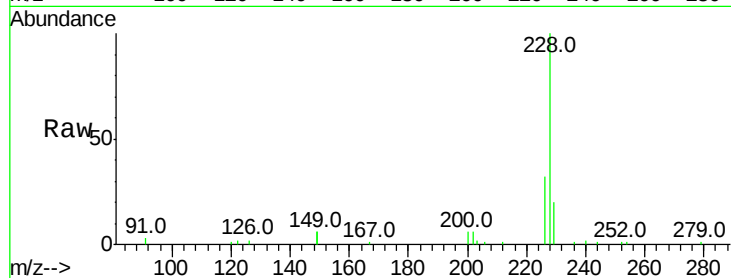
Tot Ion:228 Resp: 8323

Ion Ratio Lower Upper

228 100

226 32.1 24.0 36.0

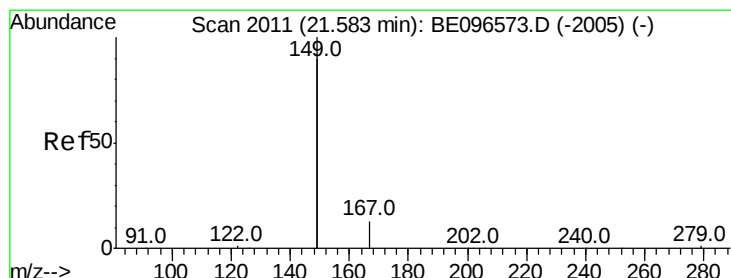
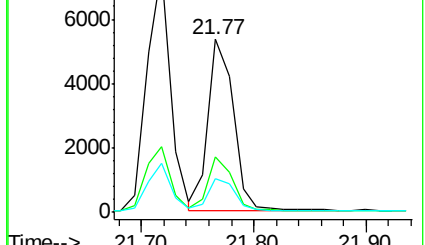
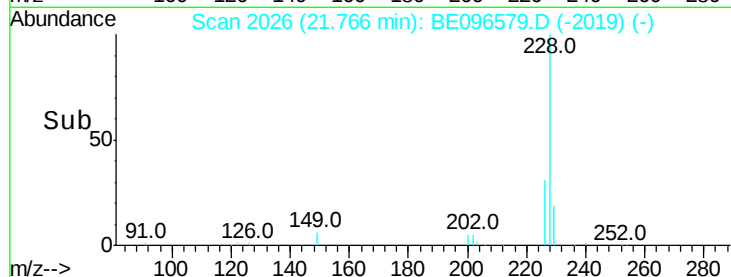
229 19.8 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.154 ng

RT: 21.58 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

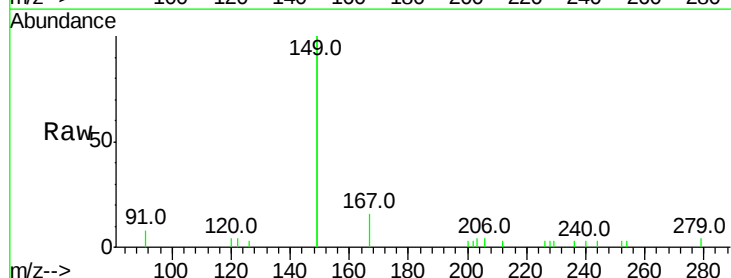
Tgt Ion:149 Resp: 3843

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

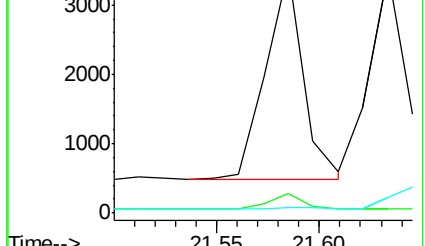
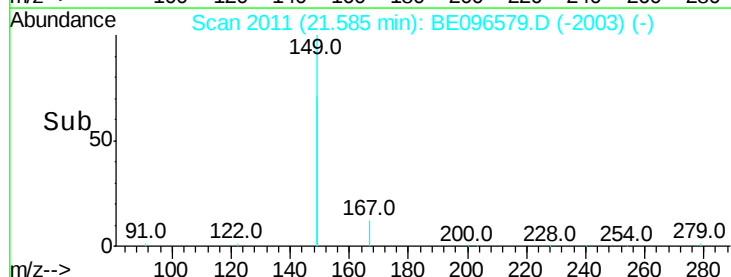
279 0.0 0.7 1.1#

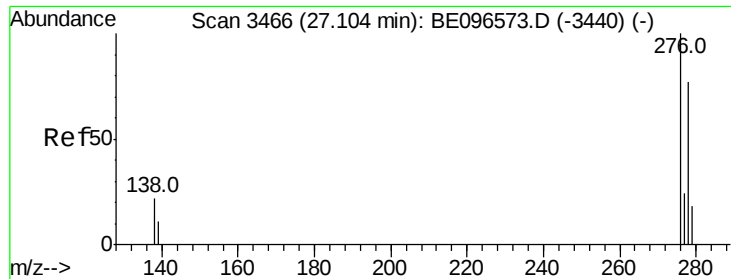


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.429 ng

RT: 27.10 min Scan# 3464

Delta R.T. -0.01 min

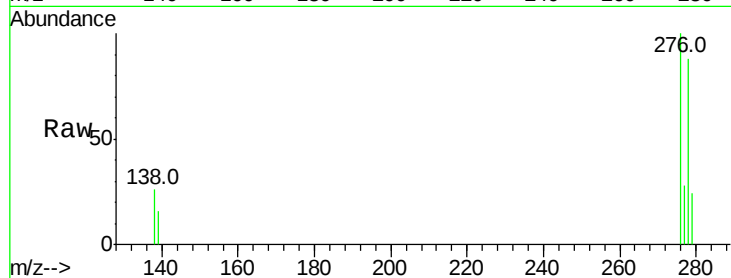
Lab File: BE096579.D

Acq: 15 May 2018 15:35

Instrument :

BNA\_E

ClientSampleId :



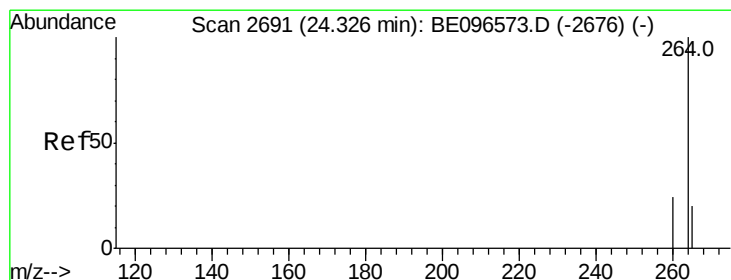
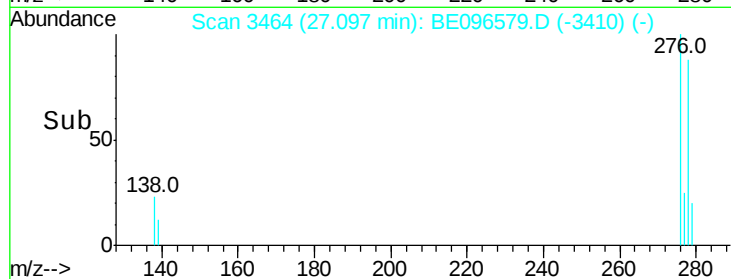
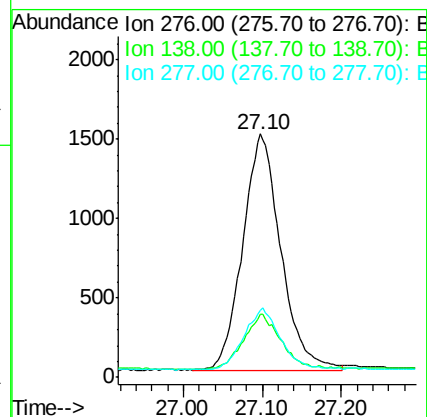
Tot Ion:276 Resp: 4992

Ion Ratio Lower Upper

276 100

138 22.4 22.5 33.7#

277 24.7 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.33 min Scan# 2692

Delta R.T. 0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

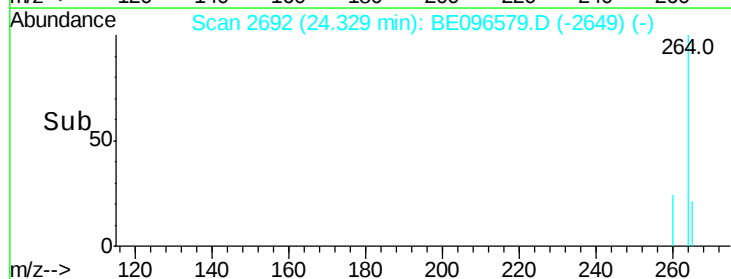
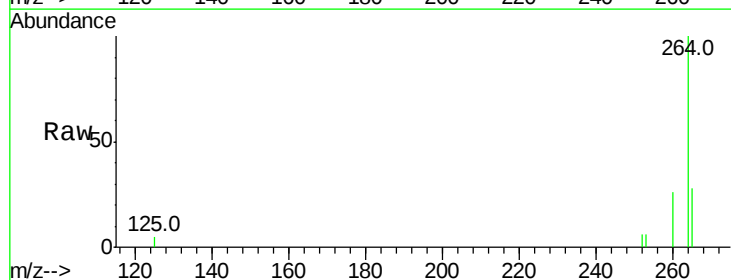
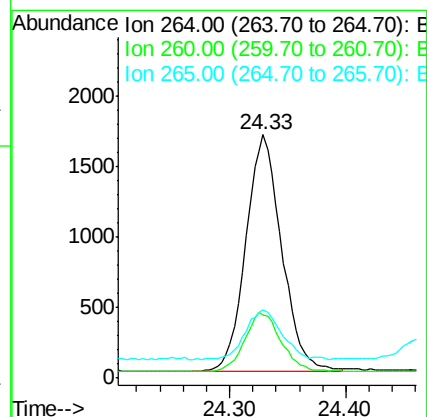
Tgt Ion:264 Resp: 3574

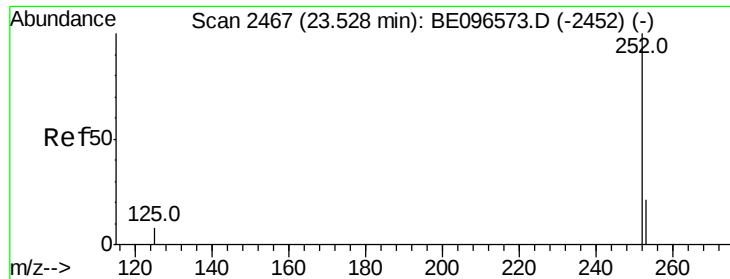
Ion Ratio Lower Upper

264 100

260 25.9 20.5 30.7

265 28.2 22.8 34.2

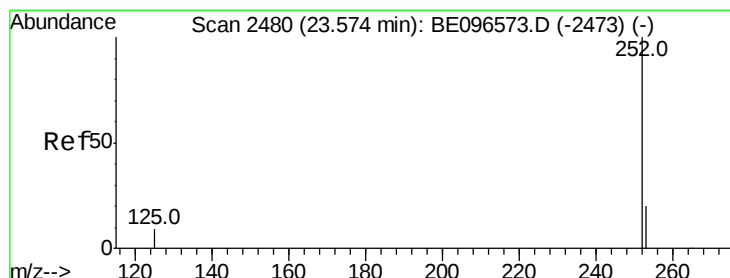
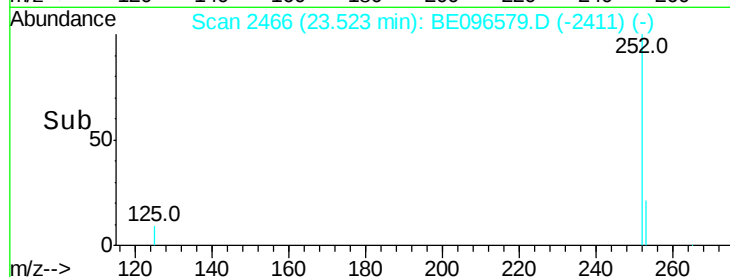
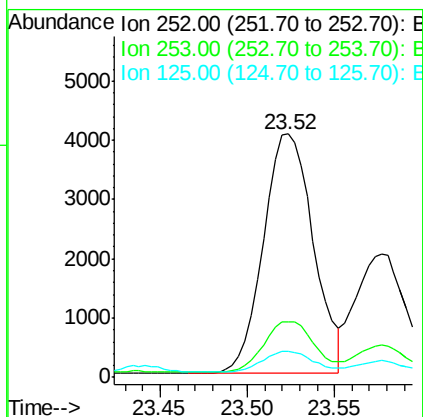
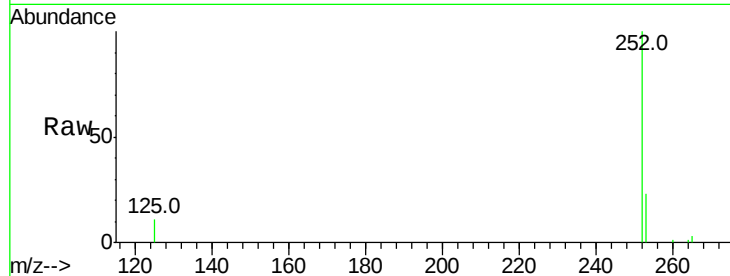




#35  
Benzo(b)fluoranthene  
Concen: 0.732 ng  
RT: 23.52 min Scan# 2466  
Delta R.T. -0.00 min  
Lab File: BE096579.D  
Acq: 15 May 2018 15:35

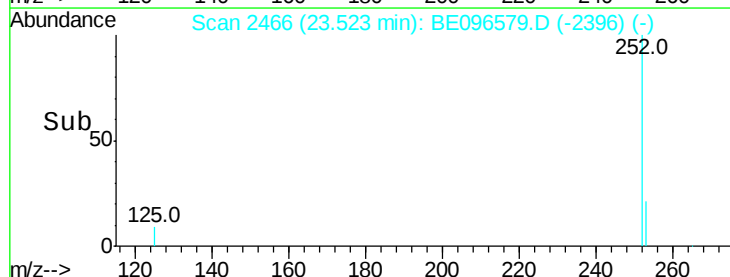
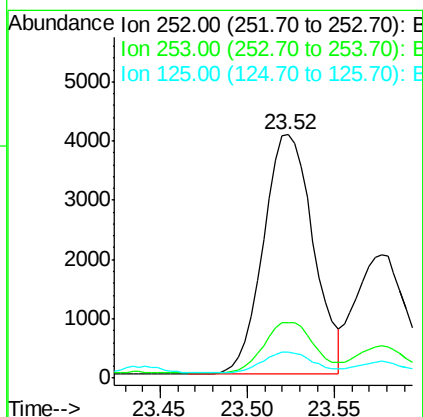
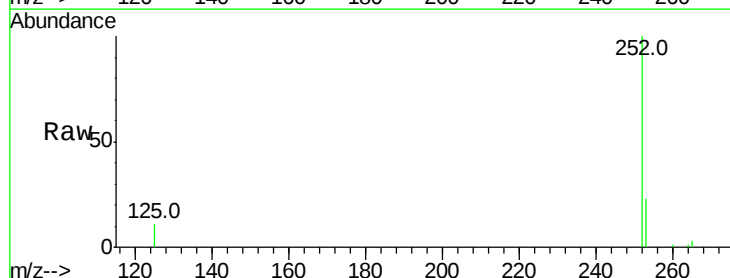
Instrument :  
BNA\_E  
ClientSampleId :

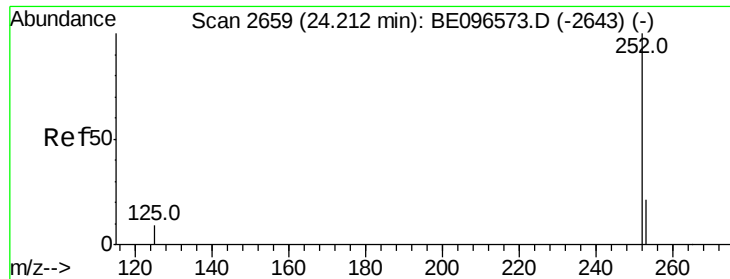
Tot Ion:252 Resp: 8070  
Ion Ratio Lower Upper  
252 100  
253 23.0 20.0 30.0  
125 10.7 16.0 24.0#



#36  
Benzo(k)fluoranthene  
Concen: 0.691 ng  
RT: 23.52 min Scan# 2466  
Delta R.T. -0.05 min  
Lab File: BE096579.D  
Acq: 15 May 2018 15:35

Tgt Ion:252 Resp: 8070  
Ion Ratio Lower Upper  
252 100  
253 23.0 16.0 24.0  
125 10.7 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.898 ng

RT: 24.21 min Scan# 2659

Delta R.T. -0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

Instrument :

BNA\_E

ClientSampled :

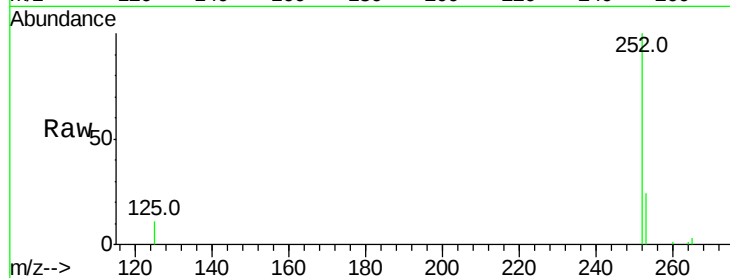
Tot Ion:252 Resp: 9461

Ion Ratio Lower Upper

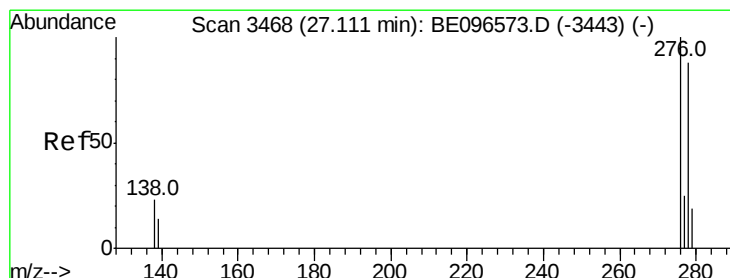
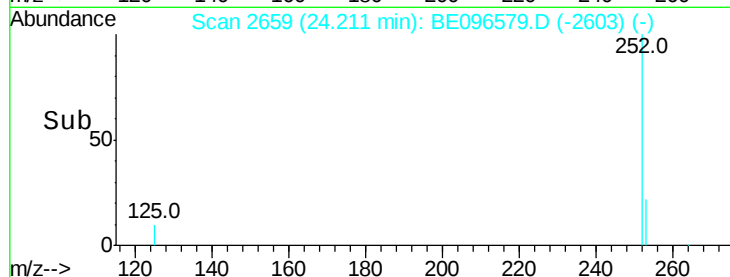
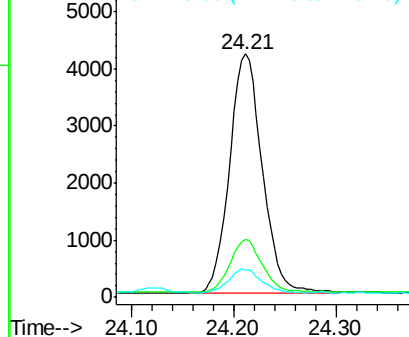
252 100

253 24.0 16.0 24.0#

125 11.2 12.0 18.0#



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: 0.492 ng

RT: 27.11 min Scan# 3467

Delta R.T. -0.00 min

Lab File: BE096579.D

Acq: 15 May 2018 15:35

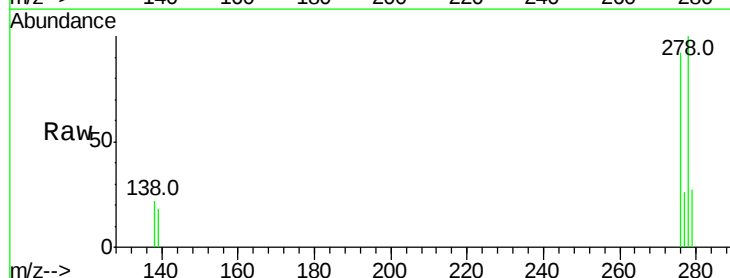
Tgt Ion:278 Resp: 4737

Ion Ratio Lower Upper

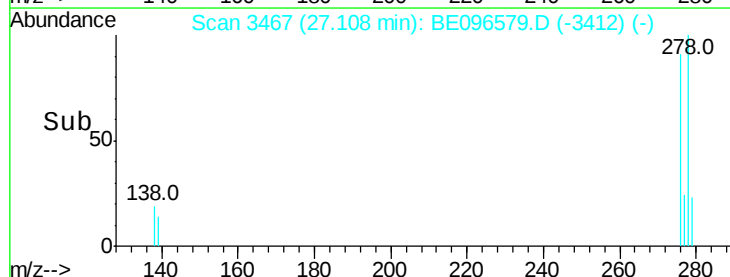
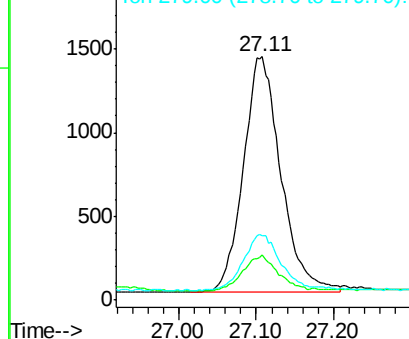
278 100

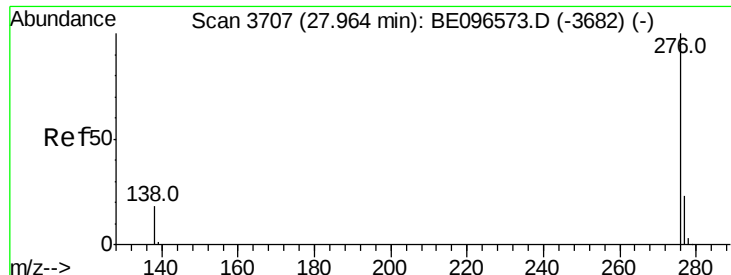
139 18.3 16.0 24.0

279 26.5 20.0 30.0



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: 0.809 ng

RT: 27.96 min Scan# 3705

Delta R.T. -0.01 min

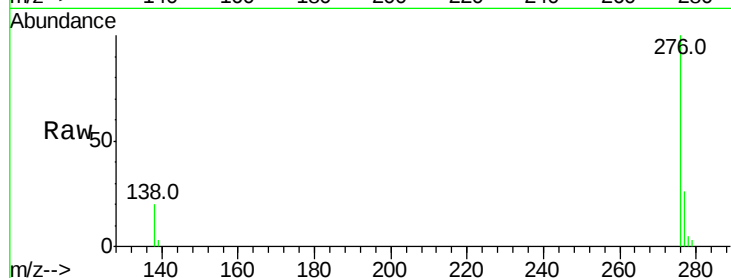
Lab File: BE096579.D

Acq: 15 May 2018 15:35

Instrument :

BNA\_E

ClientSampleId :



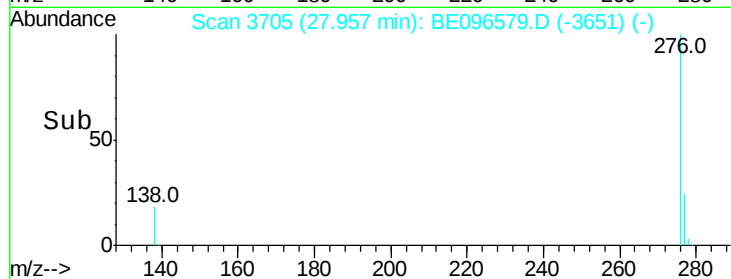
Tot Ion: 276 Resp: 8159

Ion Ratio Lower Upper

276 100

277 25.6 16.0 24.0#

138 20.3 20.0 30.0



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

