

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE113018\  
 Data File : BE098289.D  
 Acq On : 30 Nov 2018 16:37  
 Operator : SJ/JU  
 Sample : J6117-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-1

Quant Time: Nov 30 17:15:18 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE112918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 29 13:50:43 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 1603     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.67 | 136  | 6721     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.53 | 164  | 4241     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.28 | 188  | 9846     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.46 | 240  | 10482    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.01 | 264  | 10174    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.46  | 112 | 813   | 0.19 | ng | 0.01 |
| 5) Phenol-d6                | 7.05  | 99  | 834   | 0.14 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.03  | 82  | 2394  | 0.35 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152 | 4416  | 0.40 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.02 | 330 | 649   | 0.32 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.15 | 172 | 8012  | 0.46 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.31 | 212 | 51873 | 0.39 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.91 | 244 | 9162  | 0.39 | ng | 0.00 |

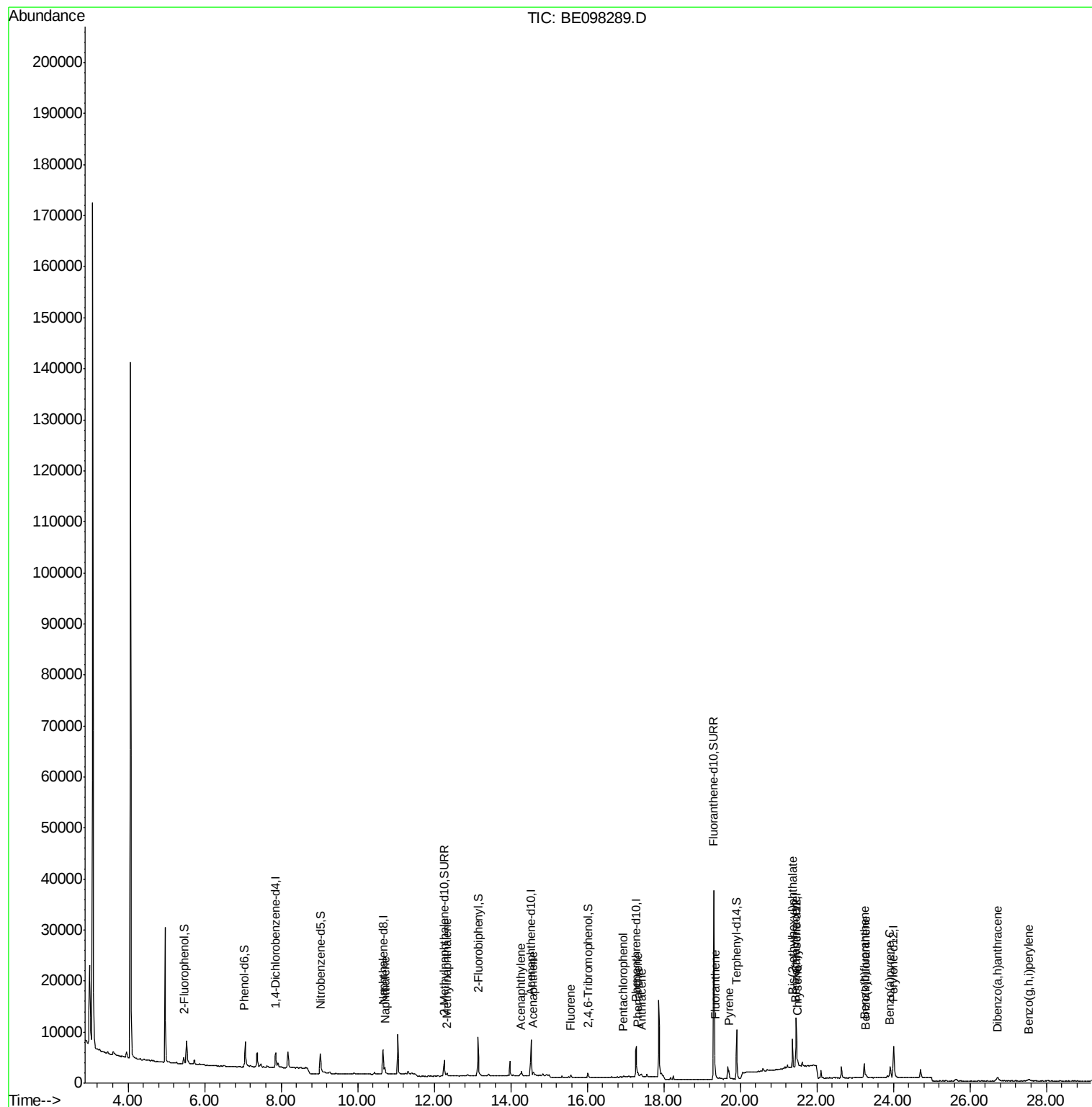
|                                |       |     |      |           |    |       |
|--------------------------------|-------|-----|------|-----------|----|-------|
| Target Compounds               |       |     |      | Qvalue    |    |       |
| 2) 1,4-Dioxane                 | 3.34  | 88  | 70   | Below Cal | #  | 12    |
| 9) Naphthalene                 | 10.72 | 128 | 2058 | 0.030     | ng | # 88  |
| 12) 2-Methylnaphthalene        | 12.34 | 142 | 377  | 0.034     | ng | # 88  |
| 16) Acenaphthylene             | 14.25 | 152 | 597  | 0.030     | ng | # 71  |
| 17) Acenaphthene               | 14.59 | 154 | 356  | 0.030     | ng | # 96  |
| 18) Fluorene                   | 15.57 | 166 | 458  | 0.029     | ng | # 85  |
| 22) Pentachlorophenol          | 16.94 | 266 | 44   | 0.112     | ng | # 74  |
| 23) Phenanthrene               | 17.32 | 178 | 974  | 0.040     | ng | # 93  |
| 24) Anthracene                 | 17.41 | 178 | 622  | 0.027     | ng | # 98  |
| 26) Fluoranthene               | 19.34 | 202 | 950  | 0.028     | ng | # 96  |
| 28) Pvrene                     | 19.70 | 202 | 1529 | 0.053     | ng | # 99  |
| 30) Benzo(a)anthracene         | 21.45 | 228 | 939  | 0.030     | ng | # 80  |
| 31) Chrysene                   | 21.50 | 228 | 991  | 0.032     | ng | # 83  |
| 32) Bis(2-ethylhexyl)phthalate | 21.37 | 149 | 6299 | 0.085     | ng | # 100 |
| 35) Benzo(b)fluoranthene       | 23.24 | 252 | 1289 | 0.043     | ng | # 1   |
| 36) Benzo(k)fluoranthene       | 23.28 | 252 | 1048 | 0.033     | ng | # 34  |
| 37) Benzo(a)pvrene             | 23.90 | 252 | 1071 | 0.037     | ng | # 1   |
| 38) Dibenzo(a,h)anthracene     | 26.73 | 278 | 845  | 0.031     | ng | # 19  |
| 39) Benzo(g,h,i)perylene       | 27.53 | 276 | 852  | 0.031     | ng | # 59  |

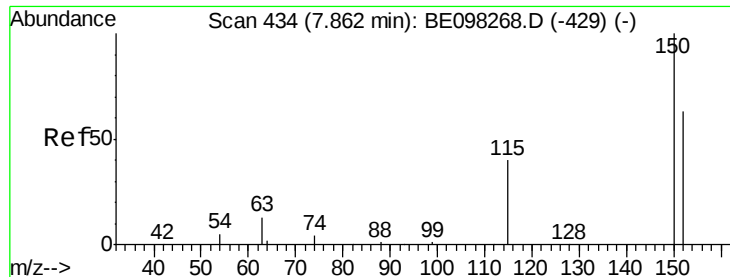
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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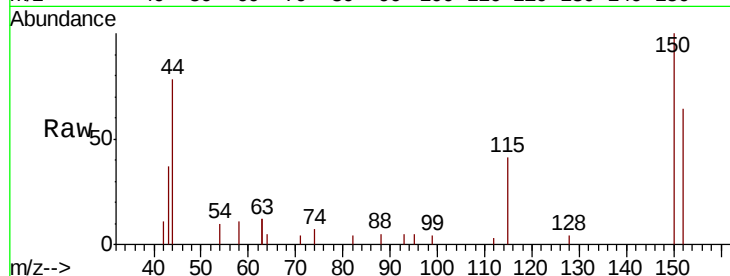


#1

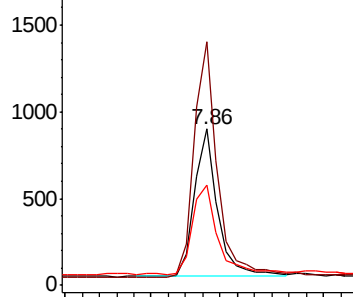
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. 0.00 min  
Lab File: BE098289.D  
Acq: 30 Nov 2018 16:37

Instrument :  
BNA\_G  
ClientSampleId :  
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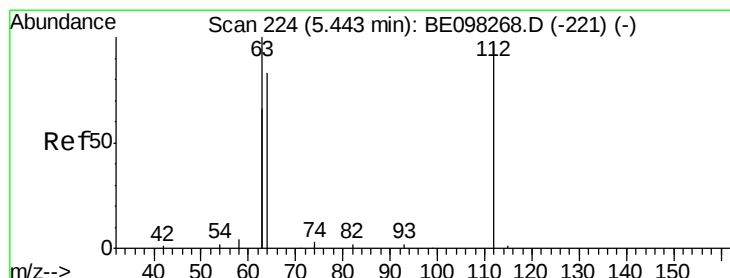
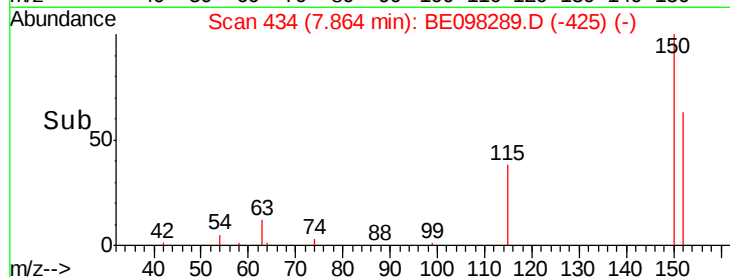
Tot Ion:152 Resp: 1603  
Ion Ratio Lower Upper  
152 100  
150 155.7 124.2 186.4  
115 64.2 53.9 80.9



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



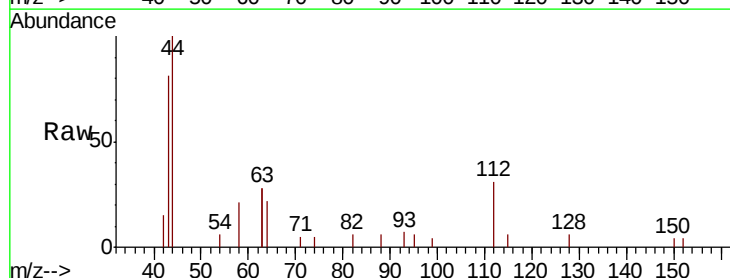
Time--> 7.70 7.80 7.90 8.00



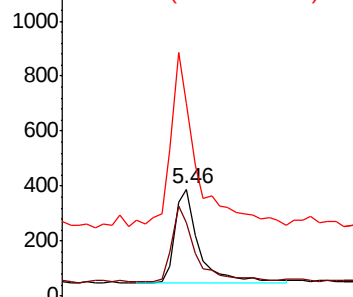
#4

2-Fluorophenol  
Concen: 0.190 ng  
RT: 5.46 min Scan# 225  
Delta R.T. 0.01 min  
Lab File: BE098289.D  
Acq: 30 Nov 2018 16:37

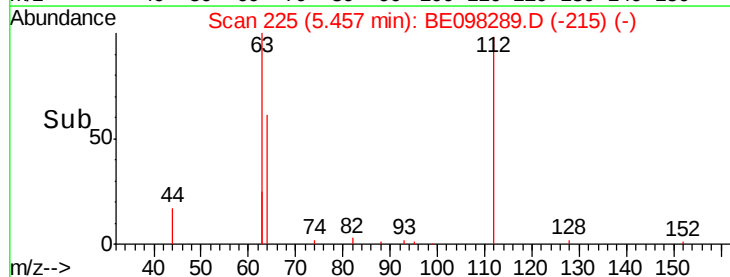
Tgt Ion:112 Resp: 813  
Ion Ratio Lower Upper  
112 100  
64 77.7 59.8 89.8  
63 186.6 133.7 200.5

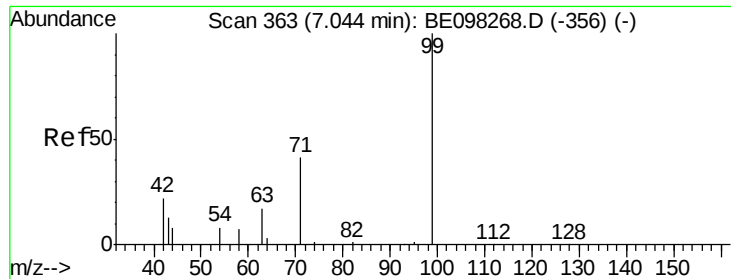


Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0



Time--> 5.30 5.40 5.50 5.60





#5

Phenol-d6

Concen: 0.138 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

Instrument :

BNA\_G

ClientSampleId :

W-1

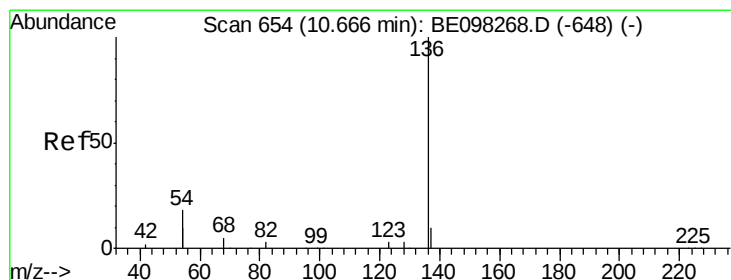
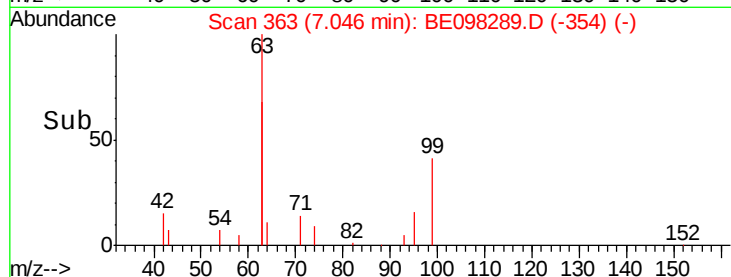
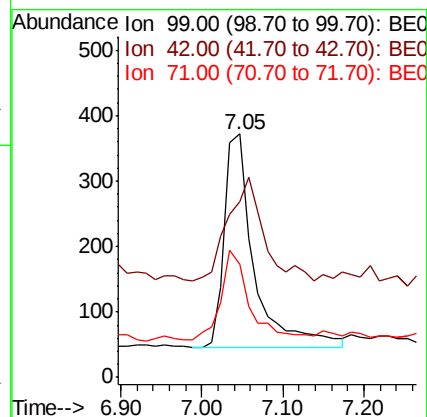
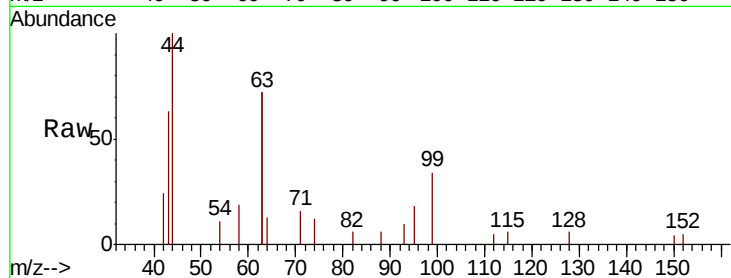
Tot Ion: 99 Resp: 834

Ion Ratio Lower Upper

99 100

42 58.4 26.3 39.5#

71 0.0 33.6 50.4#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

Tgt Ion: 136 Resp: 6721

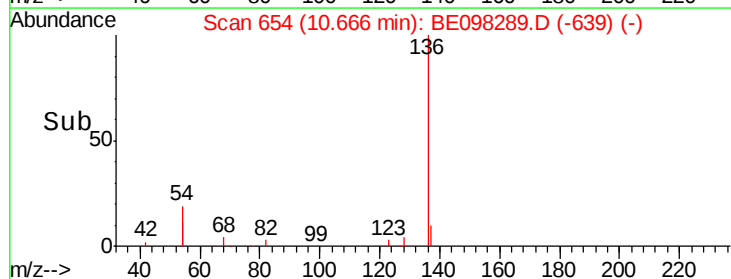
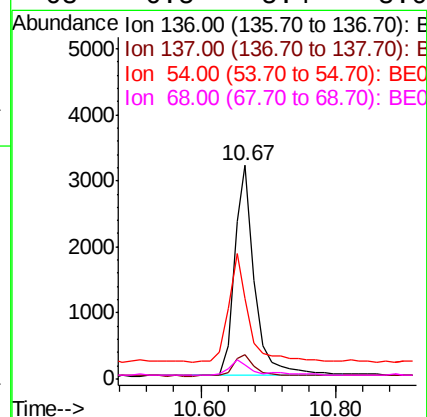
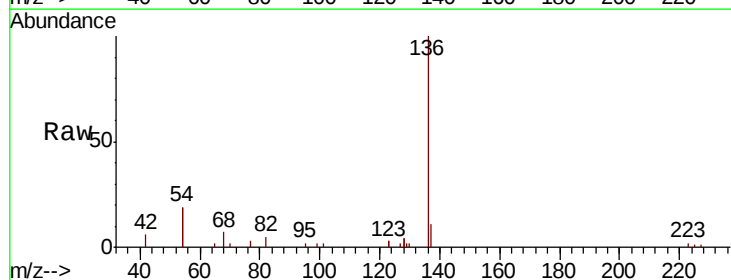
Ion Ratio Lower Upper

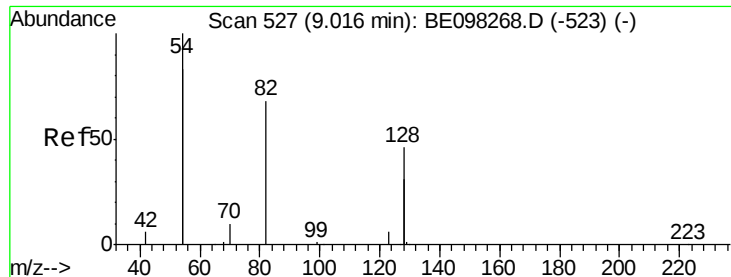
136 100

137 11.3 9.2 13.8

54 37.9 28.4 42.6

68 6.5 5.4 8.0





#8

Nitrobenzene-d5

Concen: 0.352 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

Instrument :

BNA\_G

ClientSampleId :

W-1

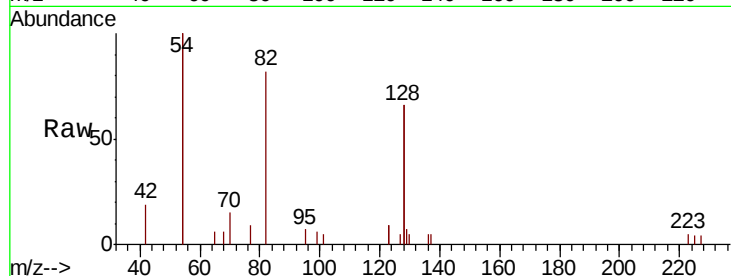
Tot Ion: 82 Resp: 2394

Ion Ratio Lower Upper

82 100

128 160.8 102.4 153.6#

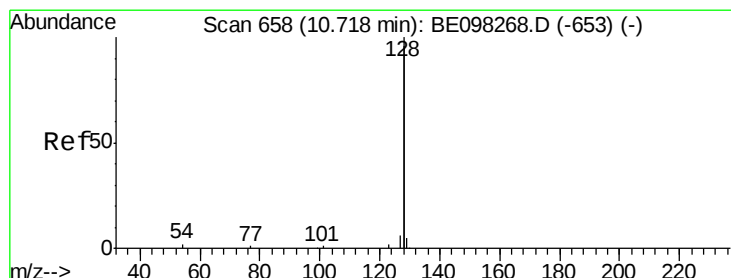
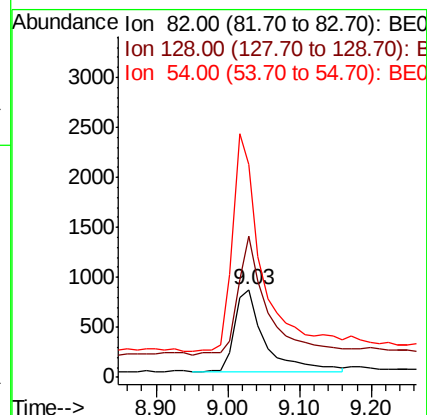
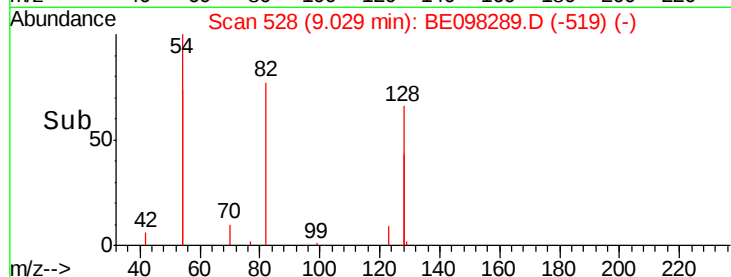
54 243.1 221.8 332.8



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: 0.030 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

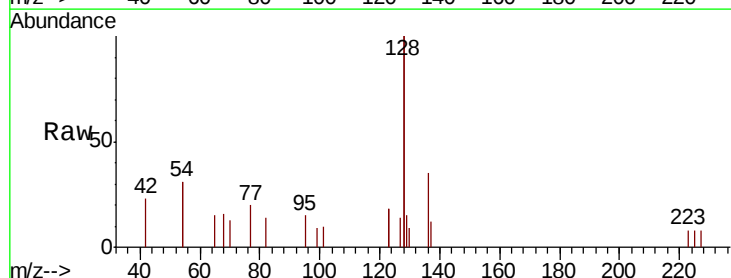
Tgt Ion: 128 Resp: 2058

Ion Ratio Lower Upper

128 100

129 7.4 2.5 3.7#

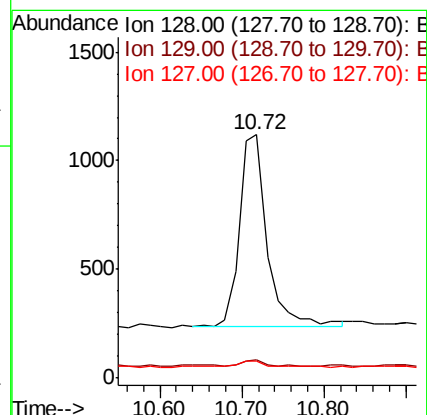
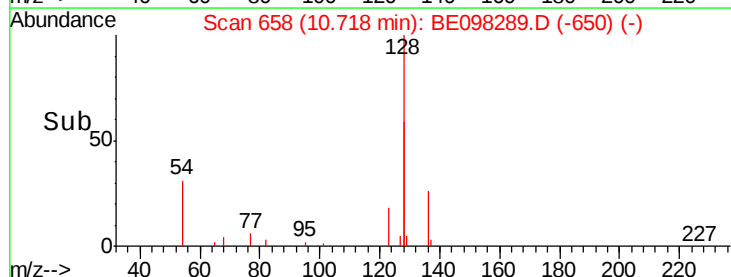
127 6.9 2.7 4.1#

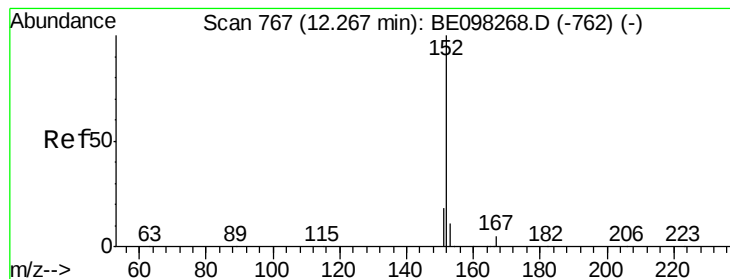


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.405 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

Instrument :

BNA\_G

ClientSampleId :

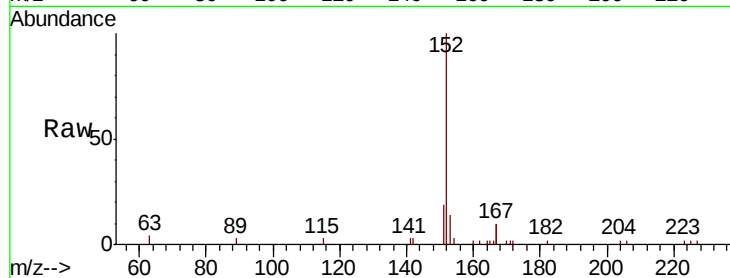
W-1

Tot Ion:152 Resp: 4416

Ion Ratio Lower Upper

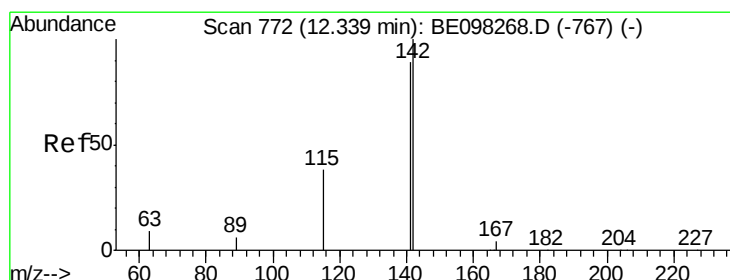
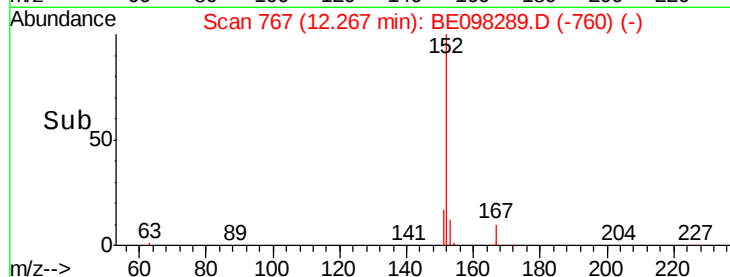
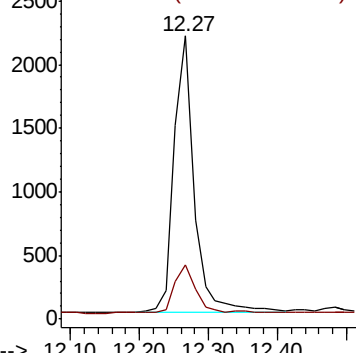
152 100

151 19.6 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.034 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

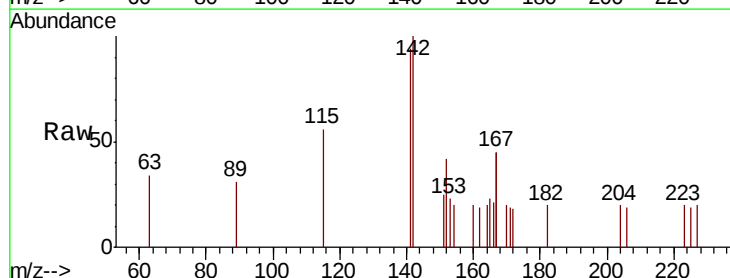
Tgt Ion:142 Resp: 377

Ion Ratio Lower Upper

142 100

141 93.9 71.0 106.6

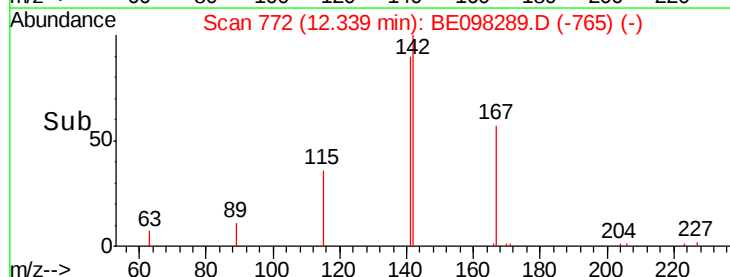
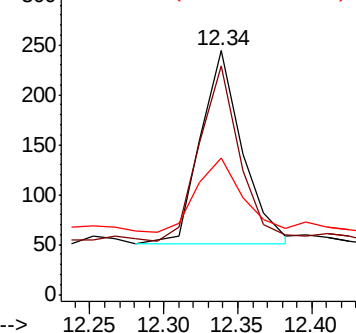
115 56.1 32.2 48.2#

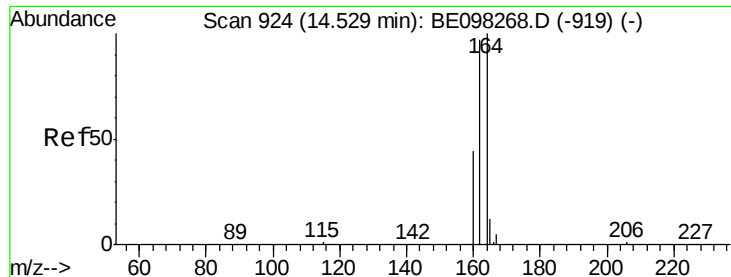


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

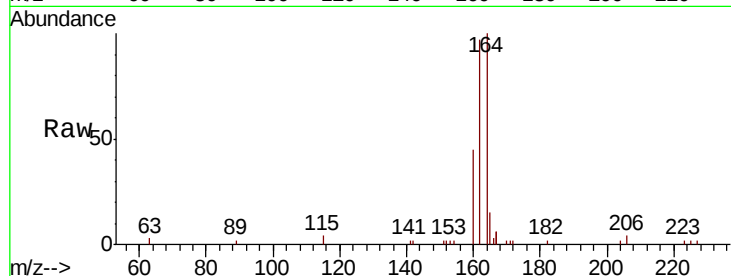




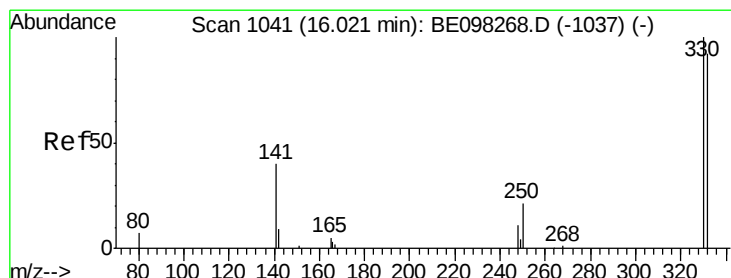
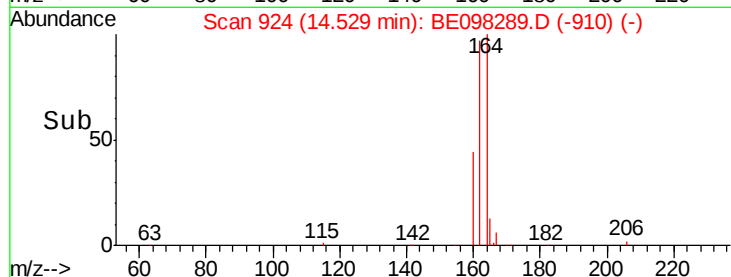
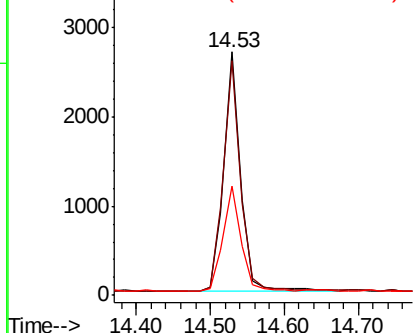
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.53 min Scan# 924  
 Delta R.T. -0.00 min  
 Lab File: BE098289.D  
 Acq: 30 Nov 2018 16:37

Instrument :  
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Tot Ion:164 Resp: 4241  
 Ion Ratio Lower Upper  
 164 100  
 162 96.5 77.6 116.4  
 160 45.1 36.0 54.0

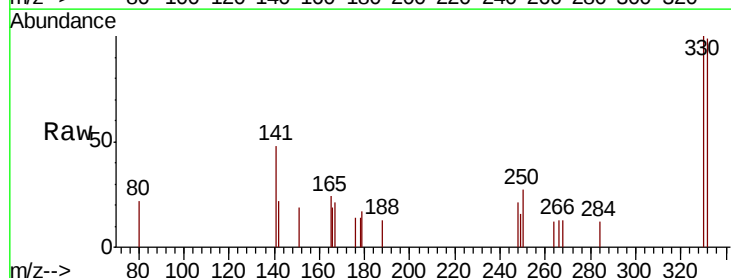


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

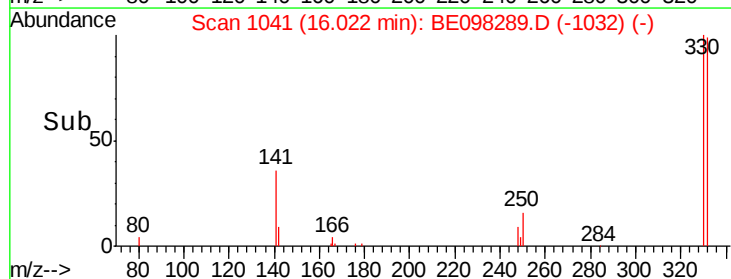
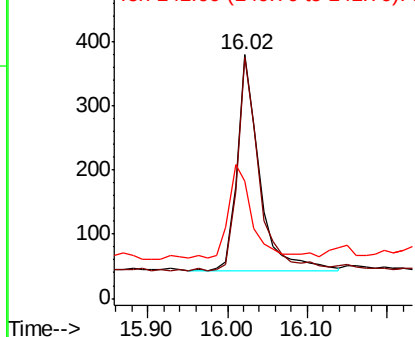


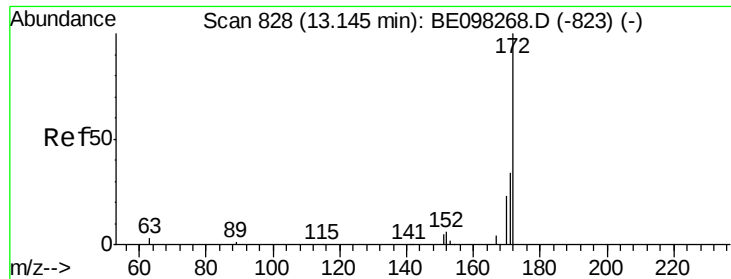
#14  
 2,4,6-Tribromophenol  
 Concen: 0.323 ng  
 RT: 16.02 min Scan# 1041  
 Delta R.T. 0.00 min  
 Lab File: BE098289.D  
 Acq: 30 Nov 2018 16:37

Tgt Ion:330 Resp: 649  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 76.2 114.4  
 141 45.8 39.0 58.4



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

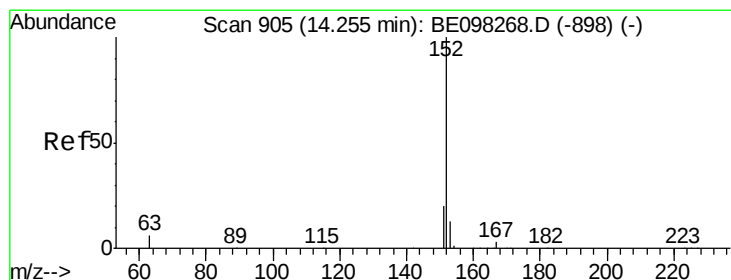
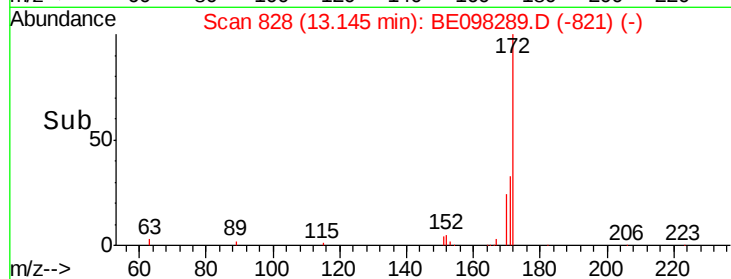
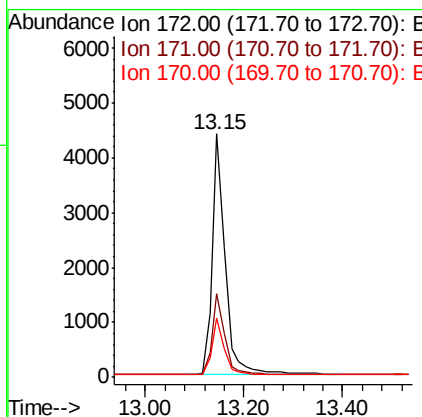
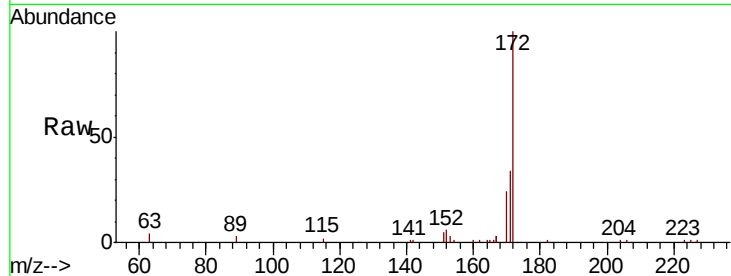




#15  
2-Fluorobiphenyl  
Concen: 0.456 ng  
RT: 13.15 min Scan# 828  
Delta R.T. -0.00 min  
Lab File: BE098289.D  
Acq: 30 Nov 2018 16:37

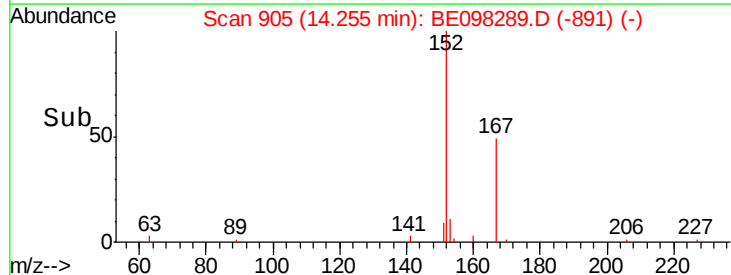
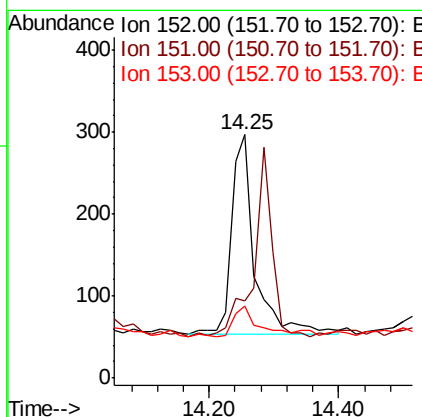
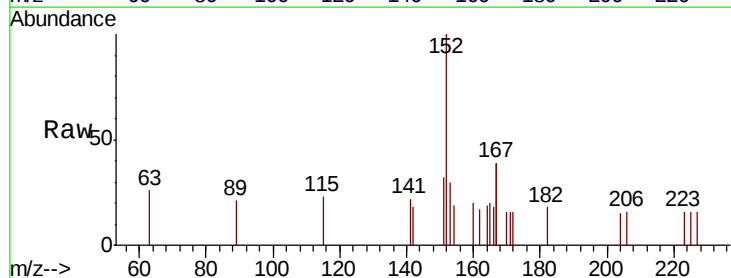
Instrument :  
BNA\_G  
ClientSampleId :  
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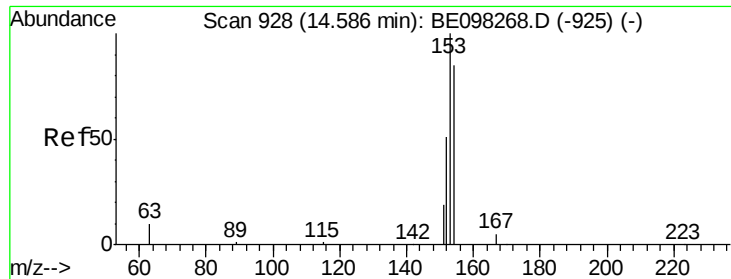
Tot Ion:172 Resp: 8012  
Ion Ratio Lower Upper  
172 100  
171 34.2 27.5 41.3  
170 24.5 19.6 29.4



#16  
Acenaphthylene  
Concen: 0.030 ng  
RT: 14.25 min Scan# 905  
Delta R.T. -0.00 min  
Lab File: BE098289.D  
Acq: 30 Nov 2018 16:37

Tgt Ion:152 Resp: 597  
Ion Ratio Lower Upper  
152 100  
151 0.0 15.5 23.3#  
153 16.9 10.6 16.0#

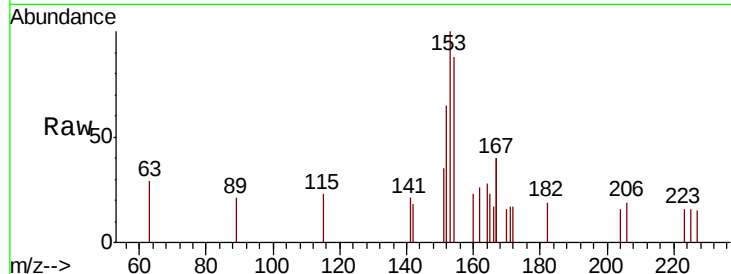




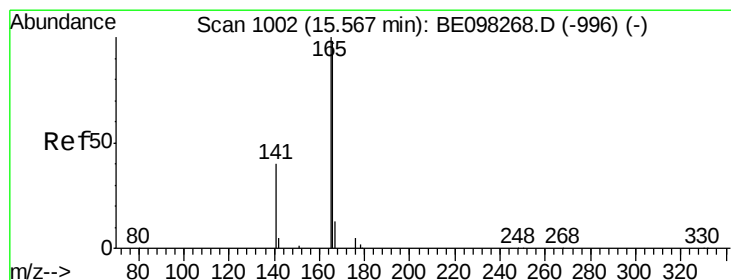
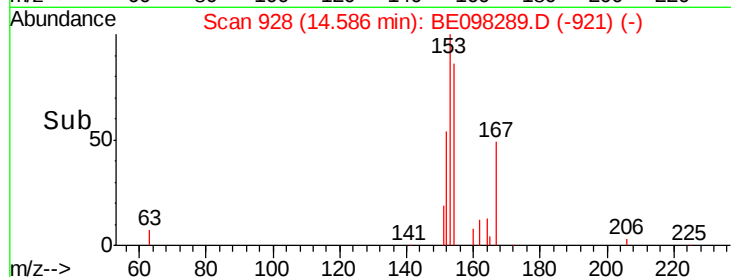
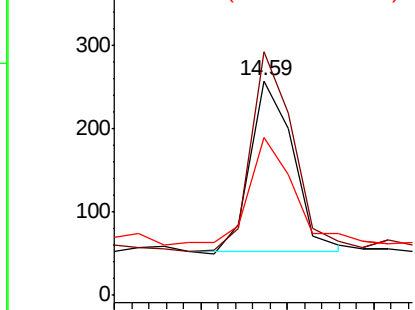
#17  
Acenaphthene  
Concen: 0.030 ng  
RT: 14.59 min Scan# 928  
Delta R.T. -0.00 min  
Lab File: BE098289.D  
Acq: 30 Nov 2018 16:37

Instrument :  
BNA\_G  
ClientSampleId :  
W-1

Tot Ion:154 Resp: 356  
Ion Ratio Lower Upper  
154 100  
153 115.2 91.8 137.6  
152 64.6 45.5 68.3

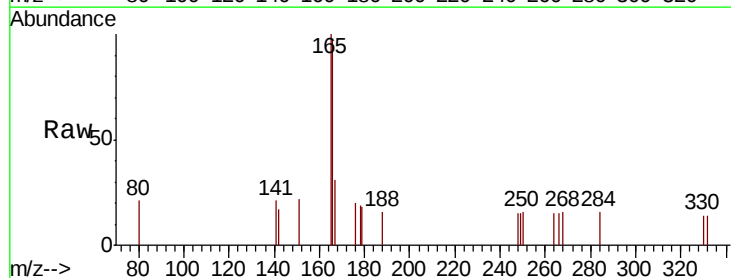


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

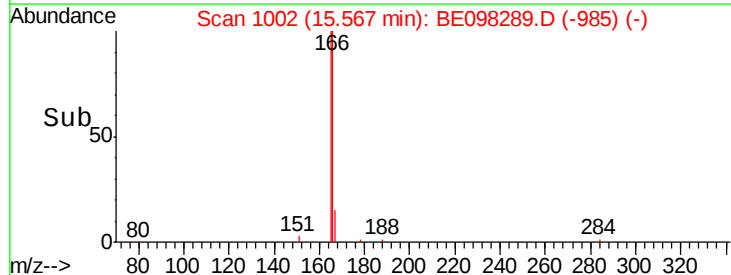
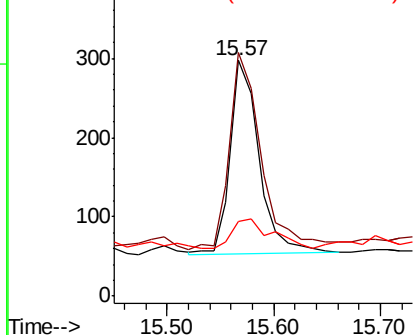


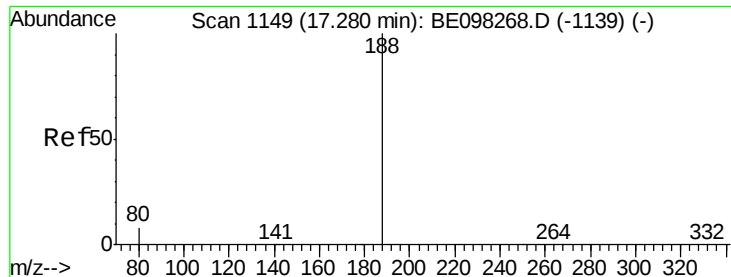
#18  
Fluorene  
Concen: 0.029 ng  
RT: 15.57 min Scan# 1002  
Delta R.T. 0.00 min  
Lab File: BE098289.D  
Acq: 30 Nov 2018 16:37

Tgt Ion:166 Resp: 458  
Ion Ratio Lower Upper  
166 100  
165 113.3 79.3 118.9  
167 21.2 11.3 16.9#



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: 17.28 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

Instrument :

BNA\_G

ClientSampleId :

W-1

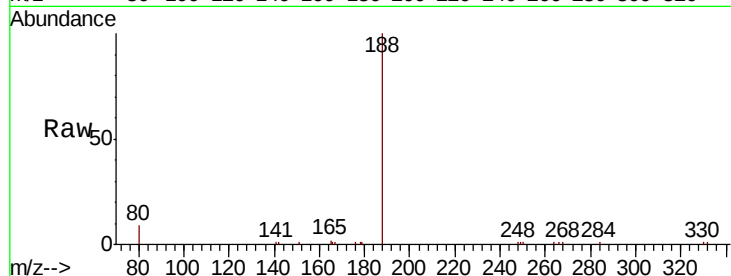
Tot Ion:188 Resp: 9846

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

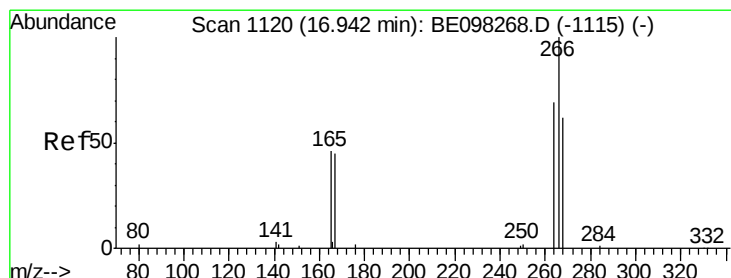
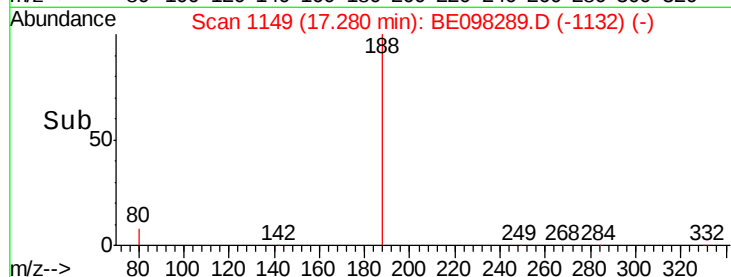
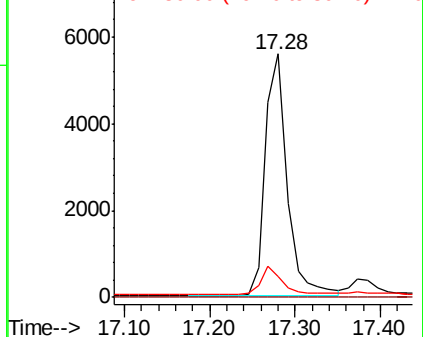
80 8.8 7.2 10.8



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: 0.112 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

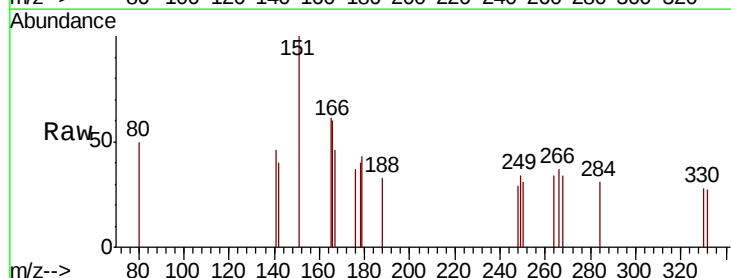
Tgt Ion:266 Resp: 44

Ion Ratio Lower Upper

266 100

264 93.1 59.0 88.4#

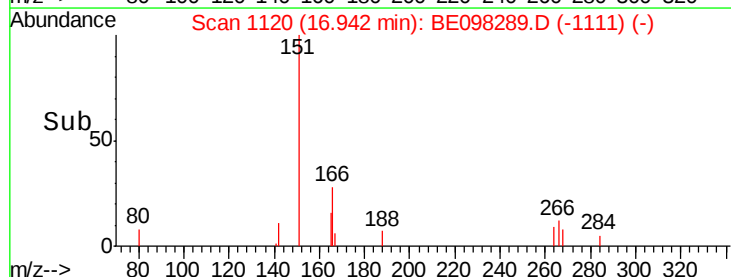
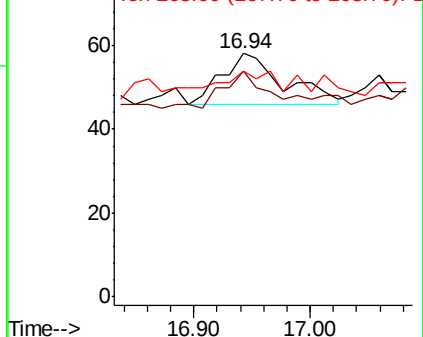
268 93.1 55.1 82.7#

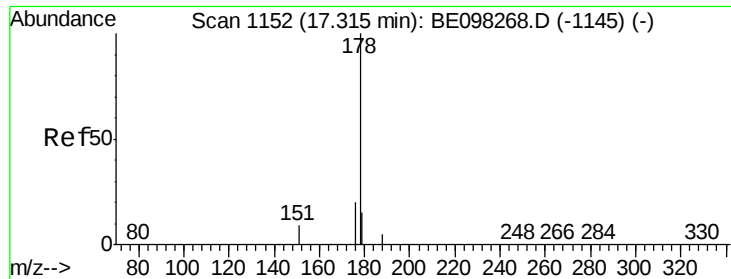


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.040 ng

RT: 17.32 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

Instrument :

BNA\_G

ClientSampleId :

W-1

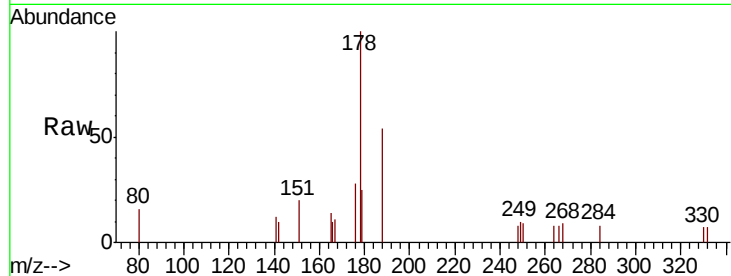
Tot Ion:178 Resp: 974

Ion Ratio Lower Upper

178 100

176 22.7 15.9 23.9

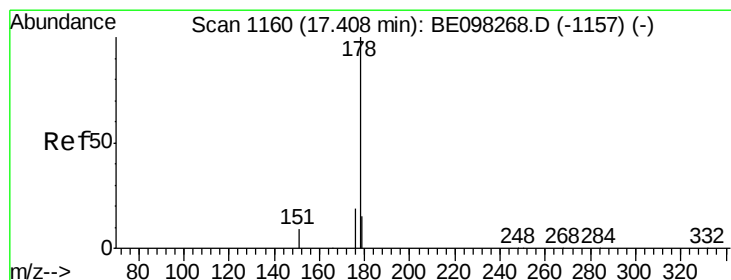
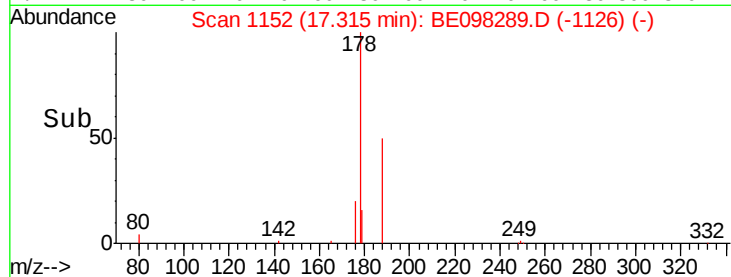
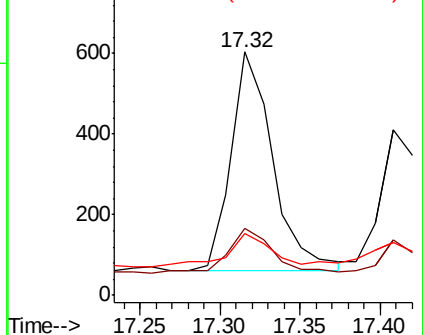
179 18.4 12.3 18.5



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



#24

Anthracene

Concen: 0.027 ng

RT: 17.41 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

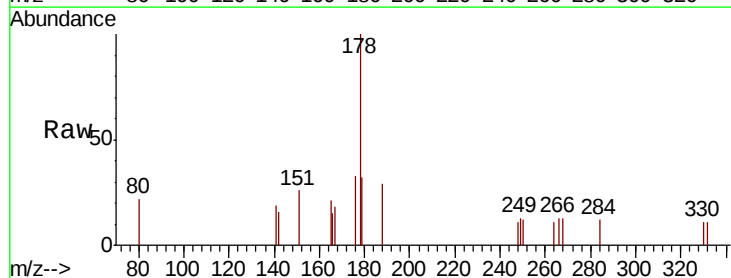
Tgt Ion:178 Resp: 622

Ion Ratio Lower Upper

178 100

176 19.9 15.0 22.4

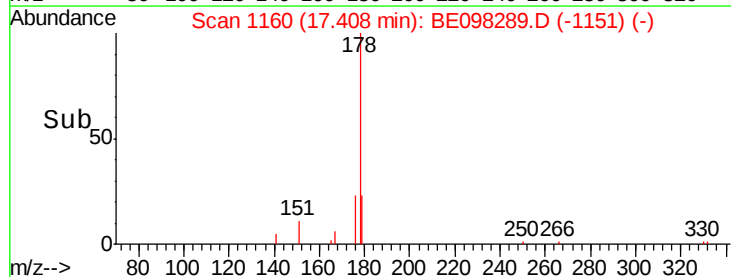
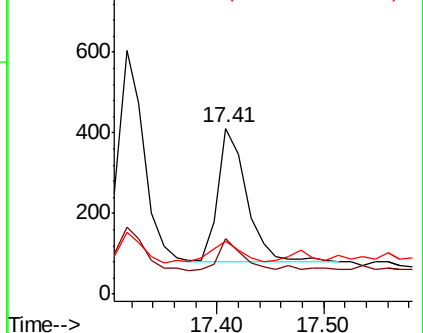
179 15.4 12.3 18.5

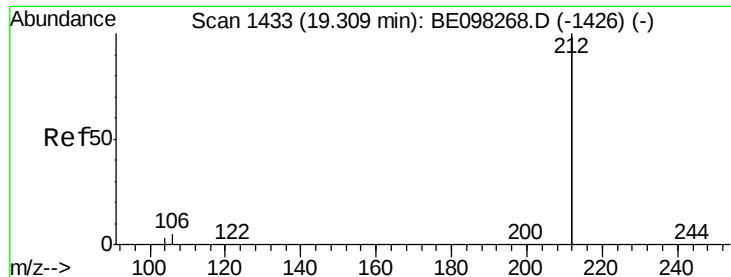


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.390 ng

RT: 19.31 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

Instrument :

BNA\_G

ClientSampleId :

W-1

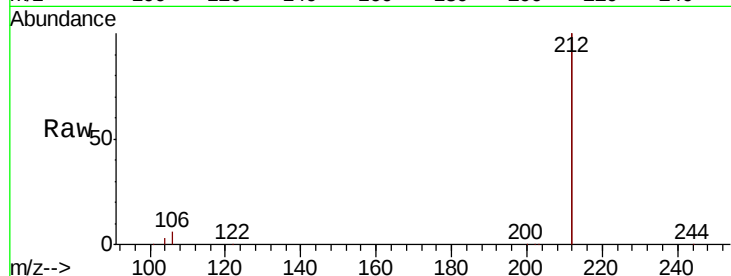
Tot Ion:212 Resp: 51873

Ion Ratio Lower Upper

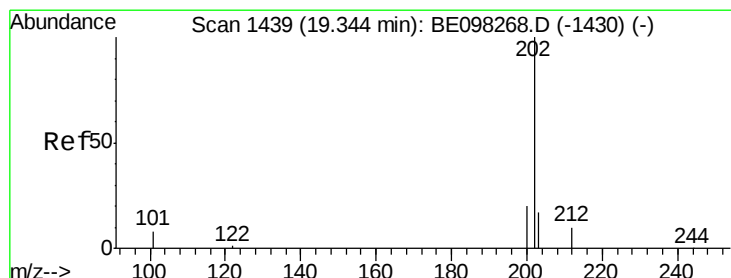
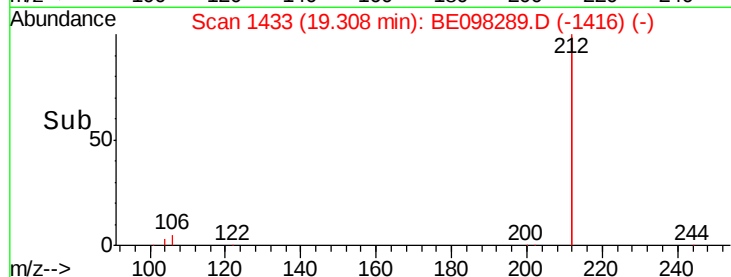
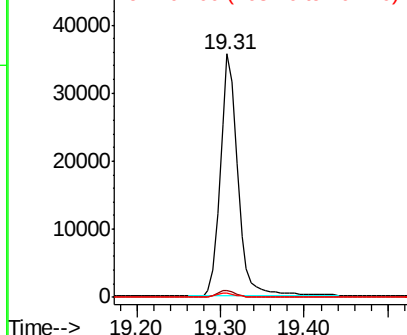
212 100

106 2.8 2.2 3.2

104 1.6 1.3 1.9



Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.028 ng

RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

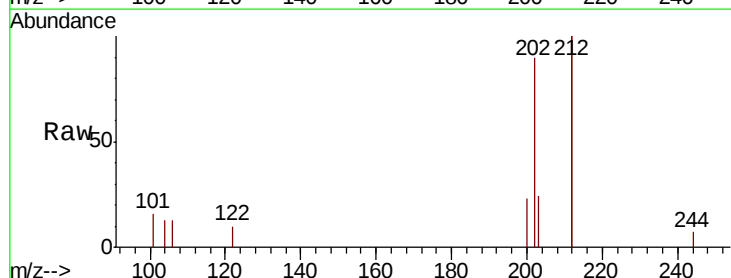
Tgt Ion:202 Resp: 950

Ion Ratio Lower Upper

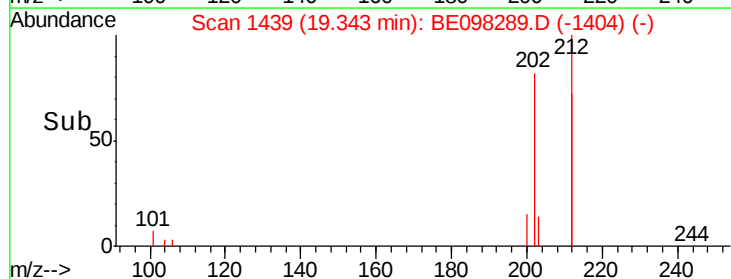
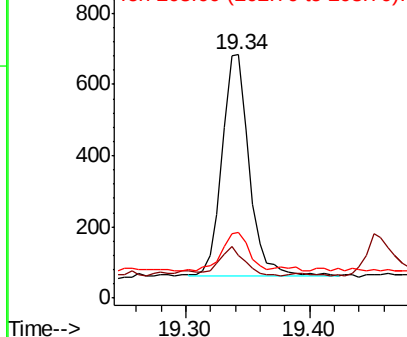
202 100

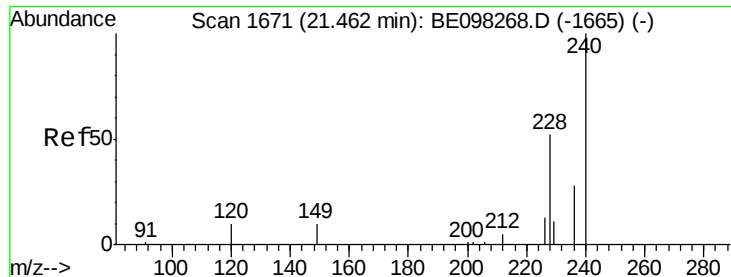
101 12.0 8.0 12.0

203 18.5 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

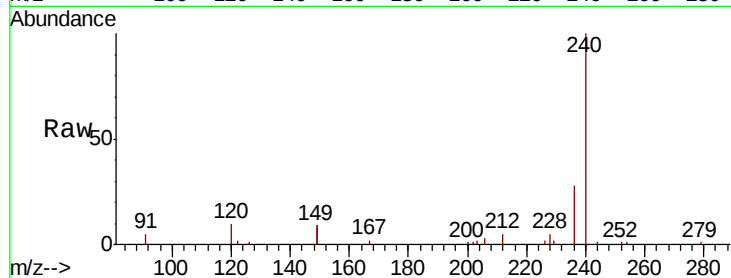




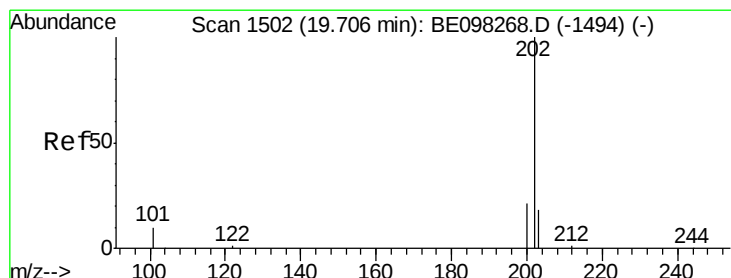
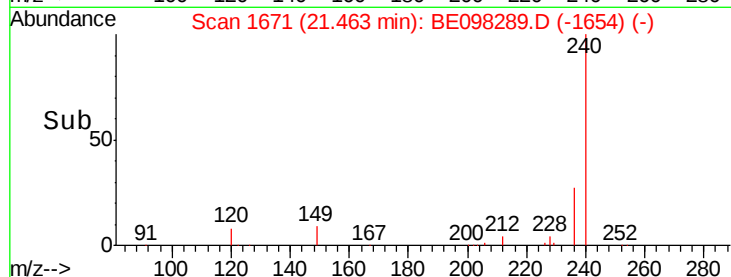
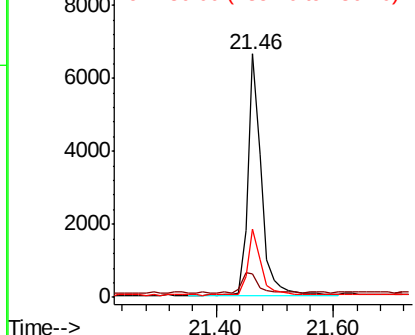
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.46 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: BE098289.D  
Acq: 30 Nov 2018 16:37

Instrument :  
BNA\_G  
ClientSampleId :  
W-1

Tot Ion:240 Resp: 10482  
Ion Ratio Lower Upper  
240 100  
120 9.8 9.5 14.3  
236 27.9 22.7 34.1

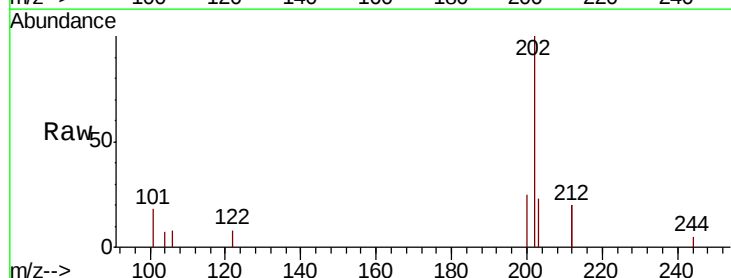


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

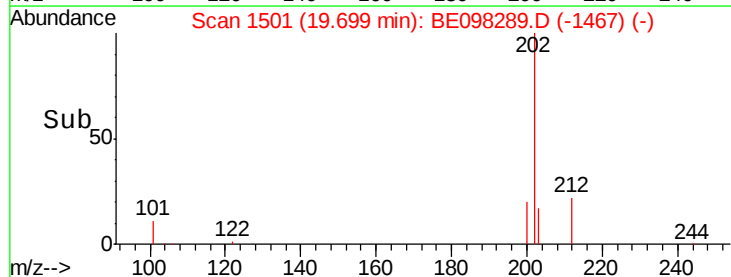
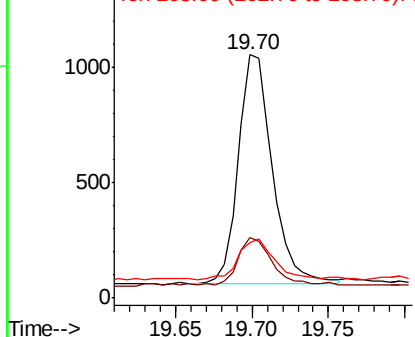


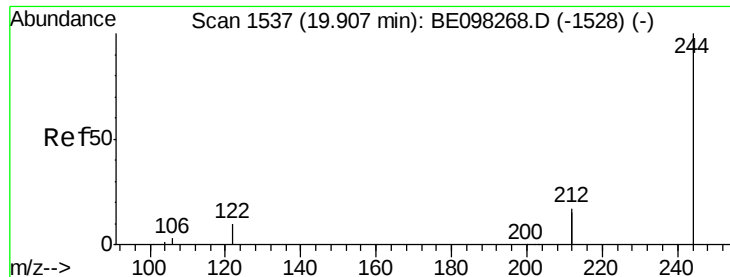
#28  
Pyrene  
Concen: 0.053 ng  
RT: 19.70 min Scan# 1501  
Delta R.T. -0.01 min  
Lab File: BE098289.D  
Acq: 30 Nov 2018 16:37

Tgt Ion:202 Resp: 1529  
Ion Ratio Lower Upper  
202 100  
200 20.7 16.7 25.1  
203 18.4 14.1 21.1



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: 0.389 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

Instrument :

BNA\_G

ClientSampled :

W-1

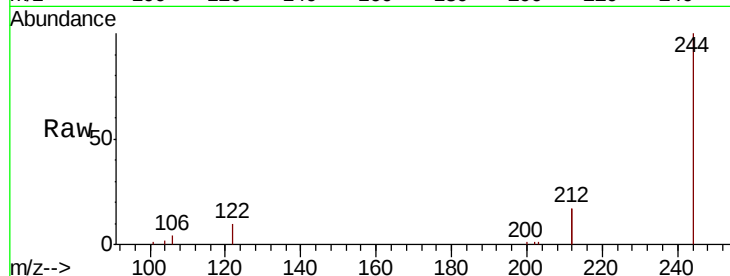
Tot Ion:244 Resp: 9162

Ion Ratio Lower Upper

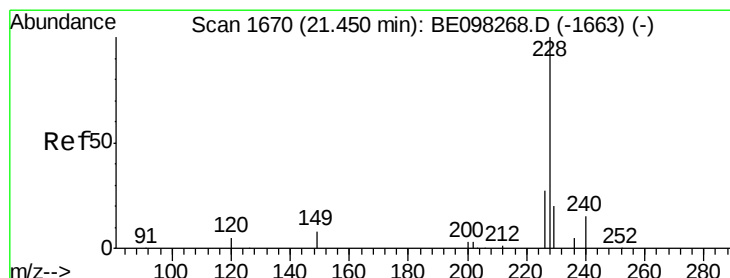
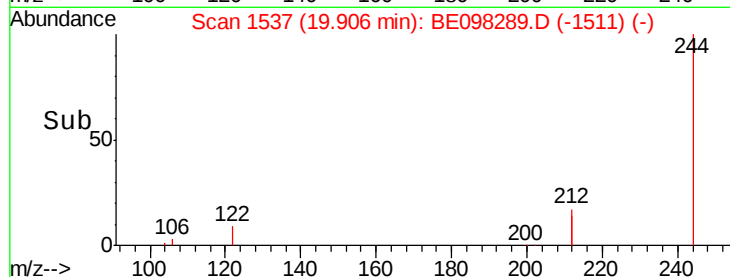
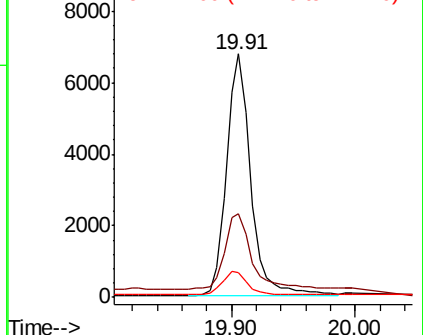
244 100

212 34.2 27.4 41.0

122 10.2 8.3 12.5



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: 0.030 ng

RT: 21.45 min Scan# 1670

Delta R.T. 0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

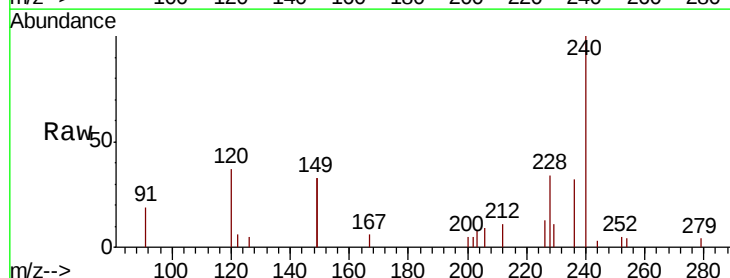
Tgt Ion:228 Resp: 939

Ion Ratio Lower Upper

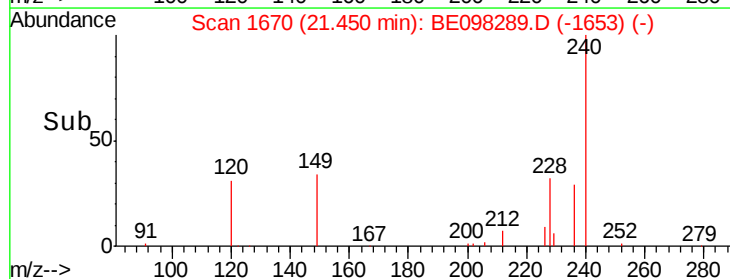
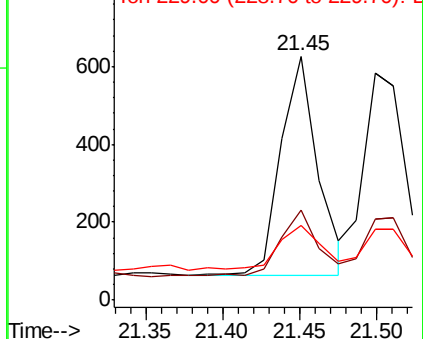
228 100

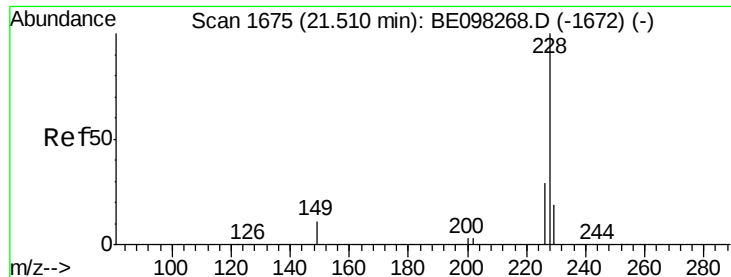
226 37.1 21.8 32.8#

229 30.8 16.3 24.5#



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: 0.032 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.01 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

Instrument :

BNA\_G

ClientSampleId :

W-1

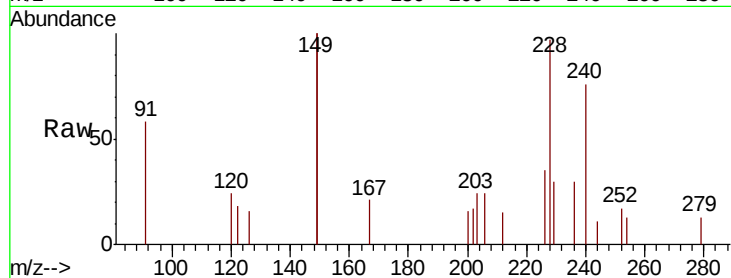
Tot Ion:228 Resp: 991

Ion Ratio Lower Upper

228 100

226 35.8 23.4 35.0#

229 31.2 16.2 24.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

800

600

400

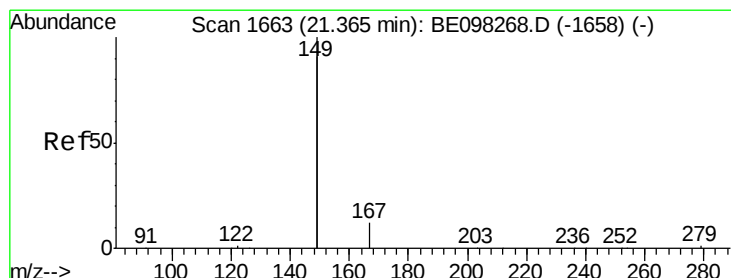
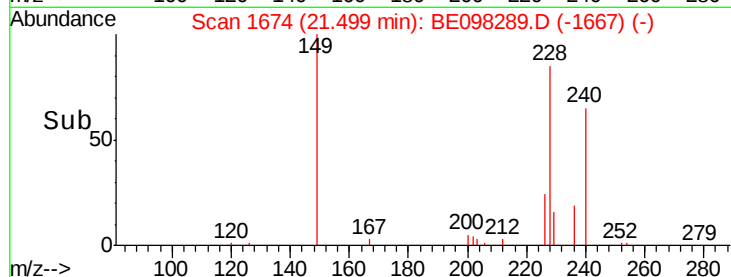
200

0

21.50

21.60

Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.085 ng

RT: 21.37 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

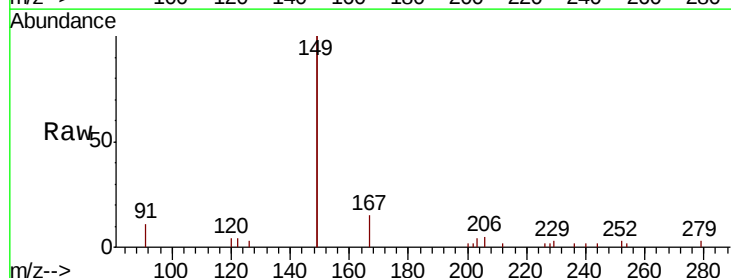
Tgt Ion:149 Resp: 6299

Ion Ratio Lower Upper

149 100

167 7.3 5.7 8.5

279 1.2 1.0 1.4



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

8000

6000

4000

2000

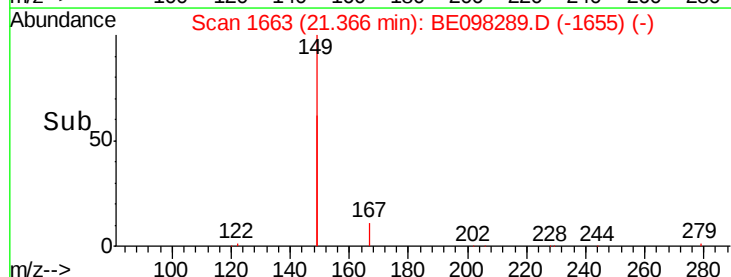
0

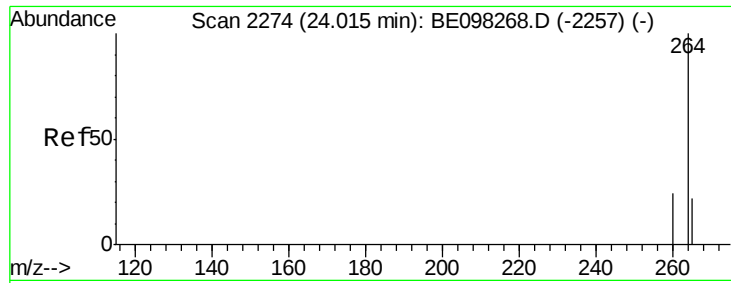
21.37

21.40

21.50

Time-->

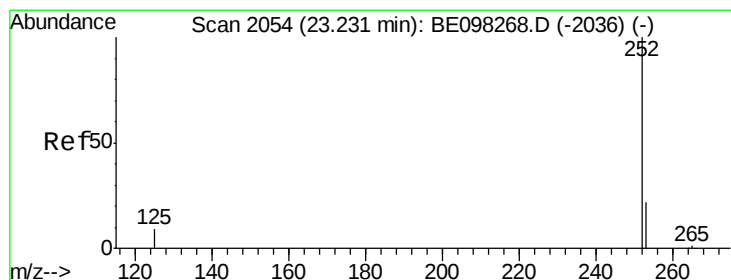
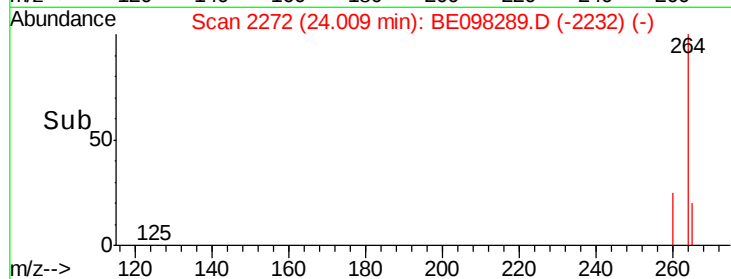
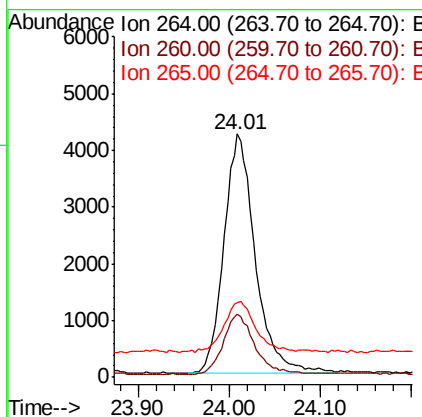
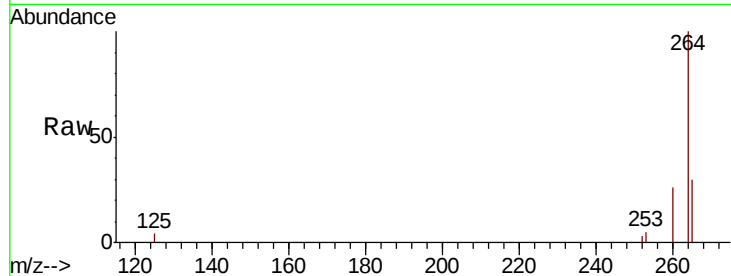




#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 24.01 min Scan# 2272  
 Delta R.T. -0.01 min  
 Lab File: BE098289.D  
 Acq: 30 Nov 2018 16:37

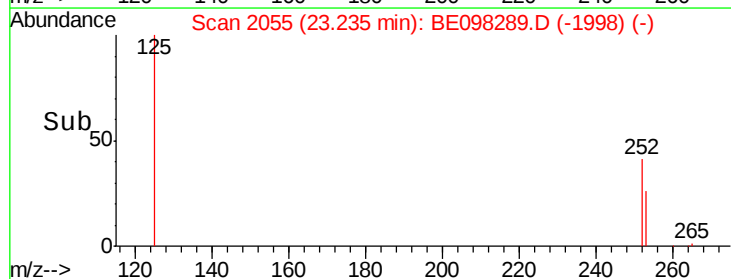
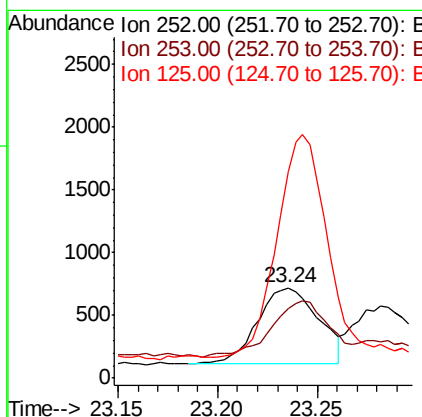
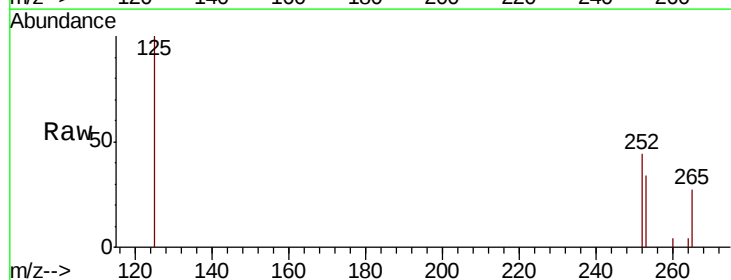
Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-1

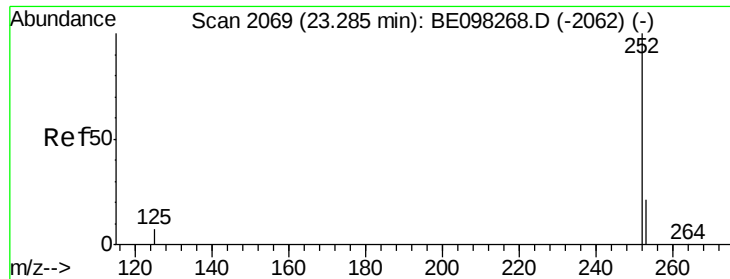
Tot Ion:264 Resp: 10174  
 Ion Ratio Lower Upper  
 264 100  
 260 25.9 20.2 30.2  
 265 30.5 25.2 37.8



#35  
 Benzo(b)fluoranthene  
 Concen: 0.043 ng  
 RT: 23.24 min Scan# 2055  
 Delta R.T. 0.00 min  
 Lab File: BE098289.D  
 Acq: 30 Nov 2018 16:37

Tgt Ion:252 Resp: 1289  
 Ion Ratio Lower Upper  
 252 100  
 253 77.2 20.0 30.0#  
 125 229.5 9.6 14.4#

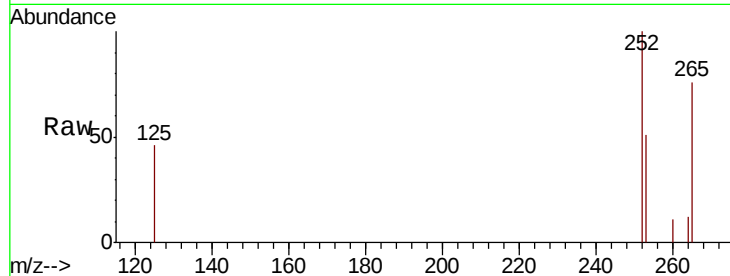




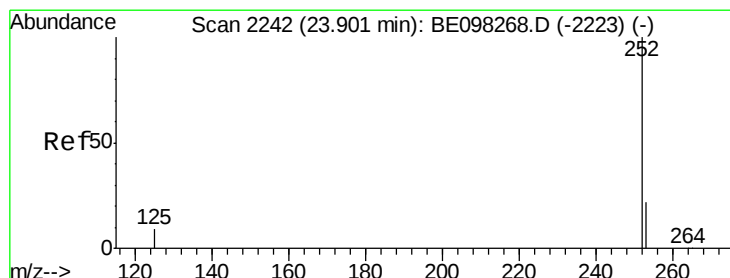
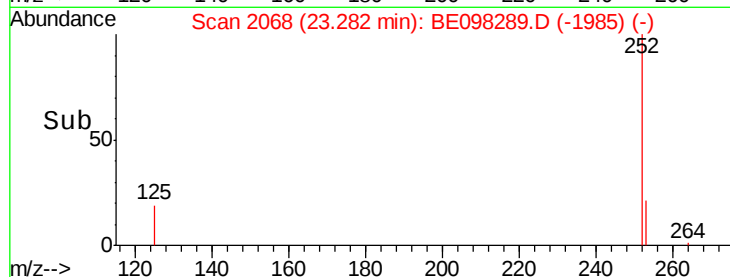
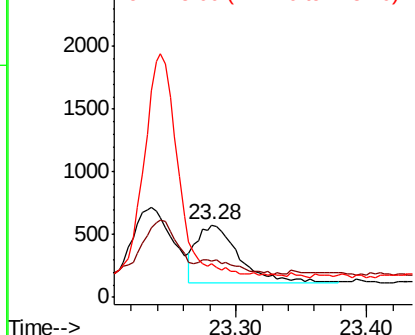
#36  
Benzo(k)fluoranthene  
Concen: 0.033 ng  
RT: 23.28 min Scan# 2068  
Delta R.T. -0.00 min  
Lab File: BE098289.D  
Acq: 30 Nov 2018 16:37

Instrument :  
BNA\_G  
ClientSampleId :  
W-1

Tot Ion:252 Resp: 1048  
Ion Ratio Lower Upper  
252 100  
253 50.8 19.0 28.6#  
125 46.1 9.1 13.7#

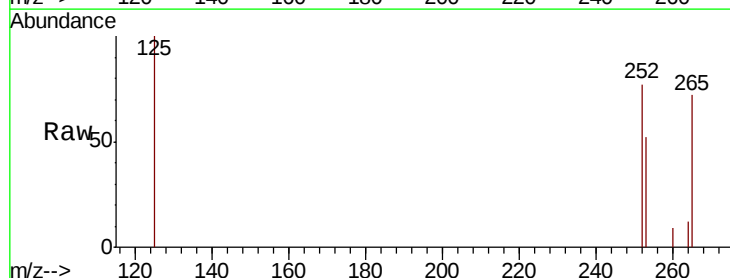


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

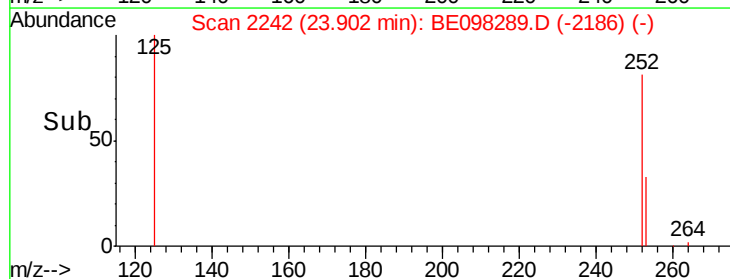
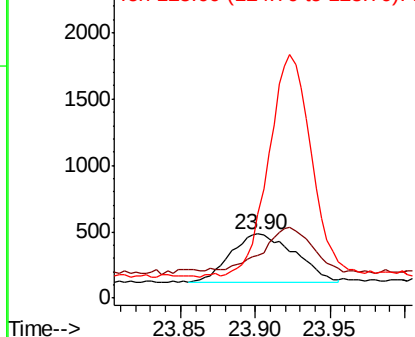


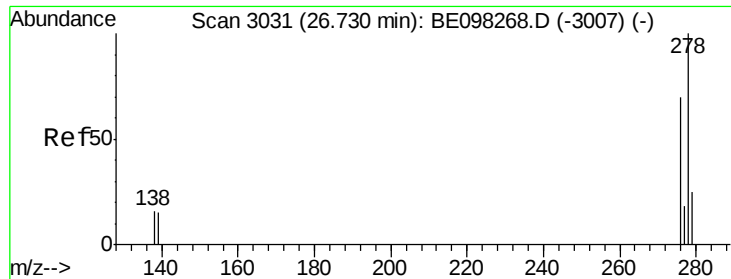
#37  
Benzo(a)pyrene  
Concen: 0.037 ng  
RT: 23.90 min Scan# 2242  
Delta R.T. 0.00 min  
Lab File: BE098289.D  
Acq: 30 Nov 2018 16:37

Tgt Ion:252 Resp: 1071  
Ion Ratio Lower Upper  
252 100  
253 66.9 20.6 30.8#  
125 129.8 10.5 15.7#



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





#38

Dibenzo(a,h)anthracene

Concen: 0.031 ng

RT: 26.73 min Scan# 3031

Delta R.T. 0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

Instrument :

BNA\_G

ClientSampleId :

W-1

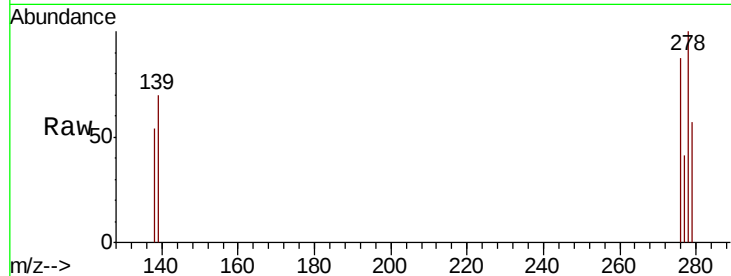
Tot Ion:278 Resp: 845

Ion Ratio Lower Upper

278 100

139 69.9 14.5 21.7#

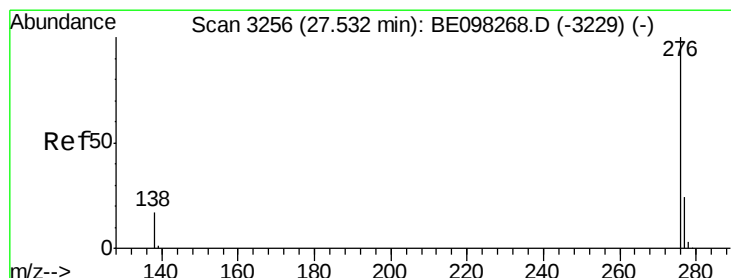
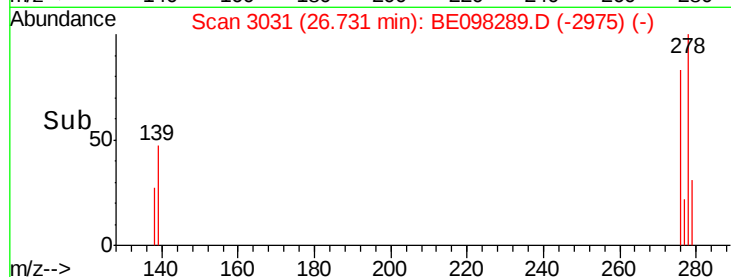
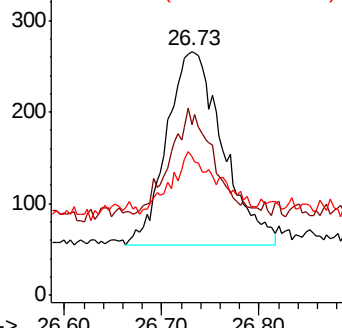
279 57.1 21.8 32.8#



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(g,h,i)perylene

Concen: 0.031 ng

RT: 27.53 min Scan# 3256

Delta R.T. 0.00 min

Lab File: BE098289.D

Acq: 30 Nov 2018 16:37

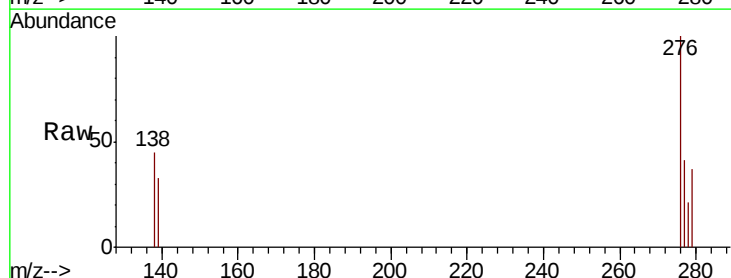
Tgt Ion:276 Resp: 852

Ion Ratio Lower Upper

276 100

277 41.1 20.8 31.2#

138 45.0 15.8 23.6#



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

