

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100518\  
 Data File : BF109627.D  
 Acq On : 5 Oct 2018 23:52  
 Operator : JU/SJ  
 Sample : J5263-08  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GRID17-COMP-100318

Quant Time: Oct 06 05:58:17 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 2018  
 Response via : Initial Calibration

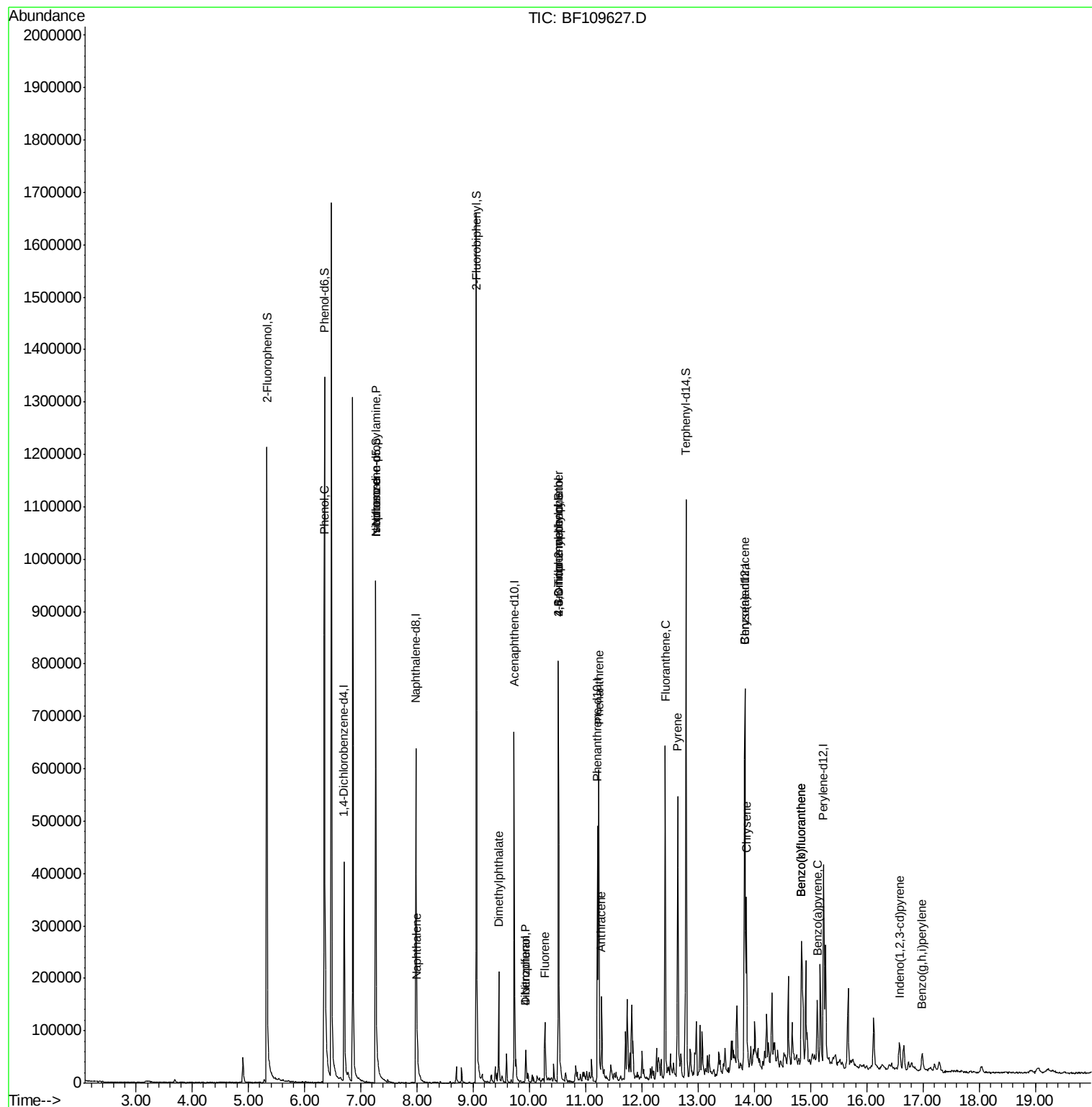
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.70  | 152  | 85261    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.98  | 136  | 333239   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.73  | 164  | 137214   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.21 | 188  | 209016   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.83 | 240  | 201722   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.23 | 264  | 188339   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.33  | 112  | 426856   | 82.46  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.35  | 99   | 577442   | 87.42  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.26  | 82   | 371903   | 65.88  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.52 | 330  | 103856   | 76.78  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.06  | 172  | 549955   | 60.45  | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.79 | 244  | 365924   | 44.52  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 10) Phenol                     | 6.36  | 94   | 32037    | 4.283  | ng    | # 76     |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70   | 49424    | 11.419 | ng    | # 77     |
| 25) Isophorone                 | 7.26  | 82   | 357300   | 35.149 | ng    | # 64     |
| 31) Naphthalene                | 8.00  | 128  | 36074    | 2.317  | ng    | 99       |
| 49) Dimethylphthalate          | 9.45  | 163  | 90632    | 9.081  | ng    | 99       |
| 54) Dibenzofuran               | 9.94  | 168  | 28922    | 2.387  | ng    | 99       |
| 55) 4-Nitrophenol              | 9.93  | 139  | 11212    | 6.502  | ng    | # 9      |
| 57) Fluorene                   | 10.27 | 166  | 39151    | 4.529  | ng    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 109      | 6.632  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.52 | 248  | 6271     | 2.702  | ng    | # 1      |
| 70) Phenanthrene               | 11.23 | 178  | 234495   | 22.470 | ng    | 99       |
| 71) Anthracene                 | 11.29 | 178  | 86147    | 8.139  | ng    | 100      |
| 74) Fluoranthene               | 12.42 | 202  | 270652   | 24.268 | ng    | 95       |
| 77) Pyrene                     | 12.64 | 202  | 233205   | 16.131 | ng    | 99       |
| 80) Benzo(a)anthracene         | 13.83 | 228  | 142139   | 11.698 | ng    | 95       |
| 82) Chrysene                   | 13.86 | 228  | 134313   | 11.153 | ng    | 96       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.58 | 276  | 37885    | 3.881  | ng    | # 89     |
| 87) Benzo(b)fluoranthene       | 14.84 | 252  | 175820   | 16.989 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 14.84 | 252  | 175820   | 17.903 | ng    | 98       |
| 89) Benzo(a)pyrene             | 15.12 | 252  | 54708    | 5.867  | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 16.99 | 276  | 32856    | 4.370  | ng    | 93       |

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

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ClientSampleId :  
GRID17-COMP-100318

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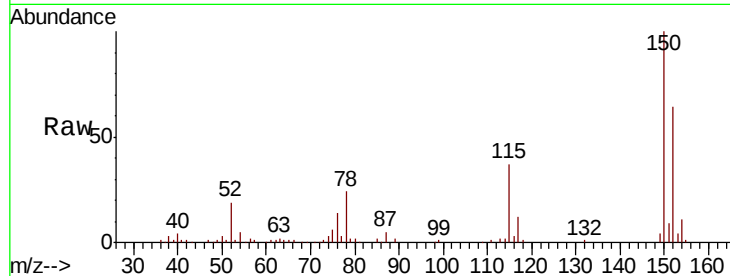


#1

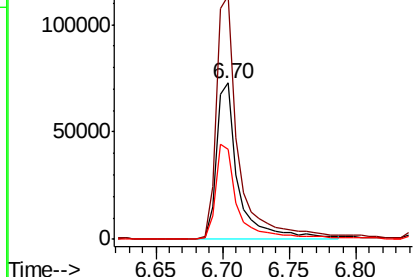
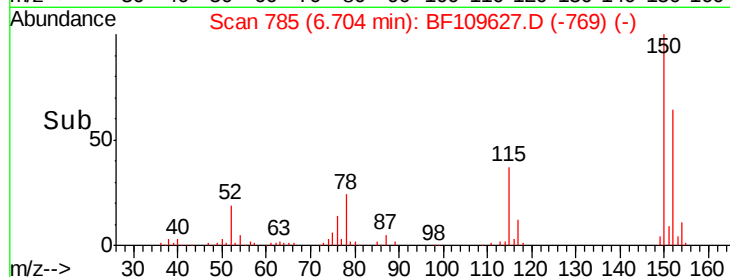
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF109627.D  
Acq: 5 Oct 2018 23:52

Instrument :  
BNA\_F  
ClientSampleId :  
GRID17-COMP-100318

Tgt Ion:152 Resp: 85261  
Ion Ratio Lower Upper  
152 100  
150 155.6 124.6 186.8  
115 57.4 50.1 75.1



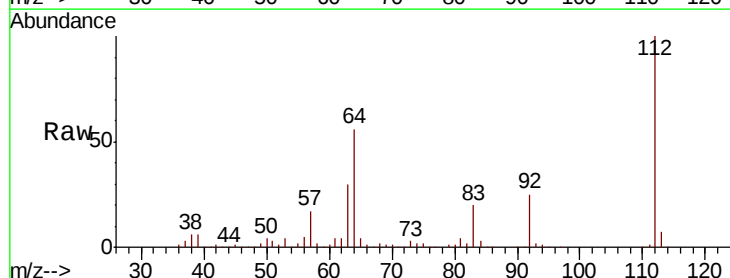
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



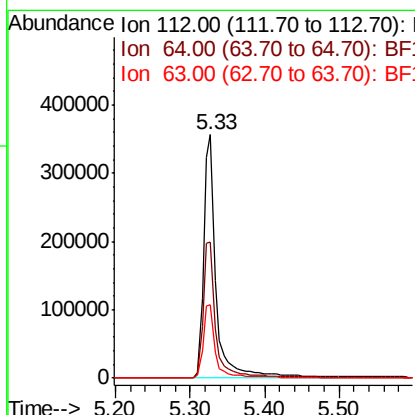
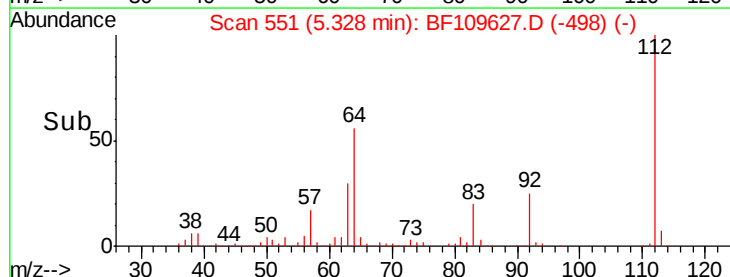
#5

2-Fluorophenol  
Concen: 82.460 ng  
RT: 5.33 min Scan# 551  
Delta R.T. 0.01 min  
Lab File: BF109627.D  
Acq: 5 Oct 2018 23:52

Tgt Ion:112 Resp: 426856  
Ion Ratio Lower Upper  
112 100  
64 56.0 47.9 71.9  
63 30.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 87.420 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109627.D

Acq: 5 Oct 2018 23:52

Instrument :

BNA\_F

ClientSampleId :

GRID17-COMP-100318

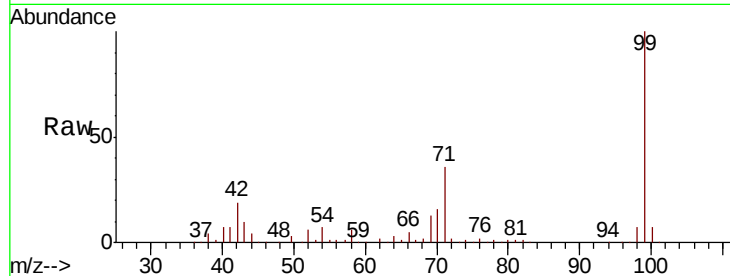
Tgt Ion: 99 Resp: 577442

Ion Ratio Lower Upper

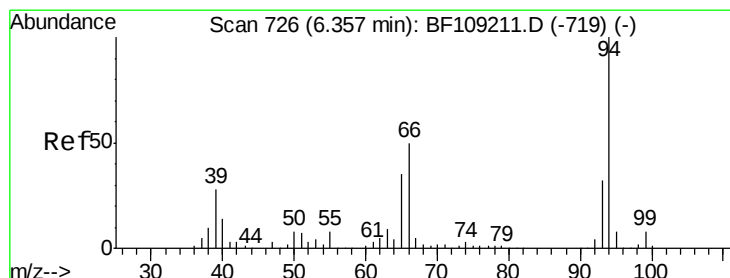
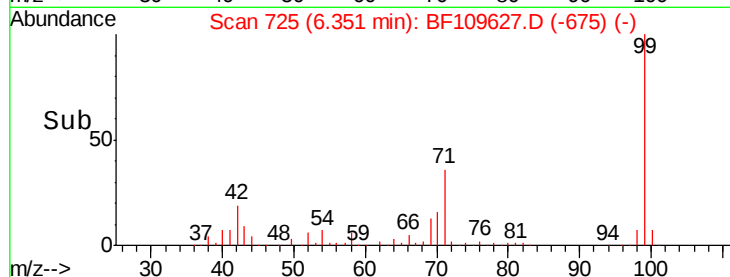
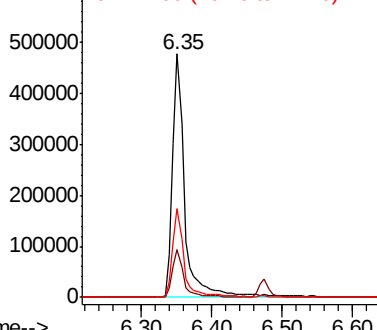
99 100

42 19.5 14.5 21.7

71 36.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.283 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF109627.D

Acq: 5 Oct 2018 23:52

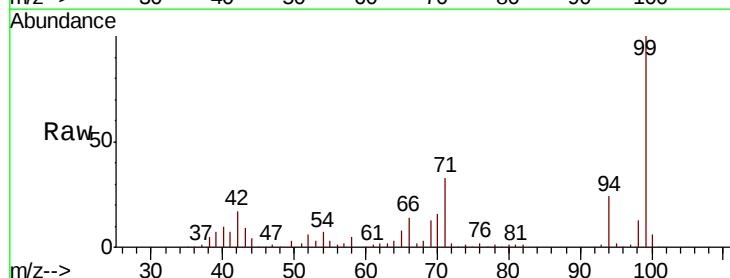
Tgt Ion: 94 Resp: 32037

Ion Ratio Lower Upper

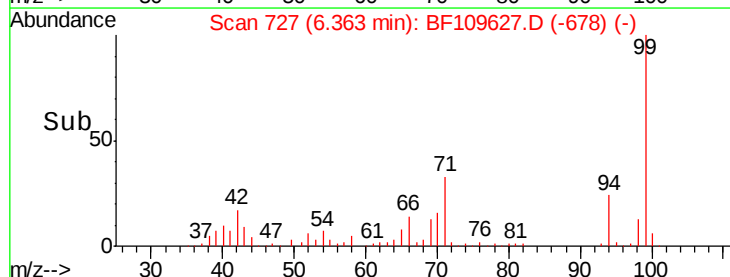
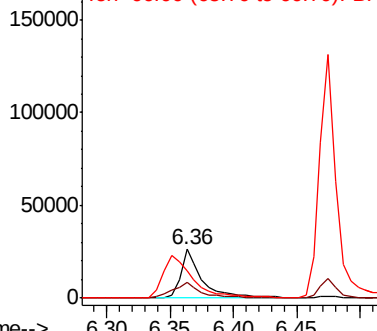
94 100

65 33.5 7.9 47.9

66 56.3 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

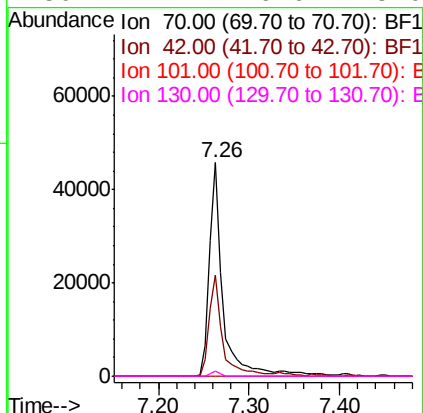
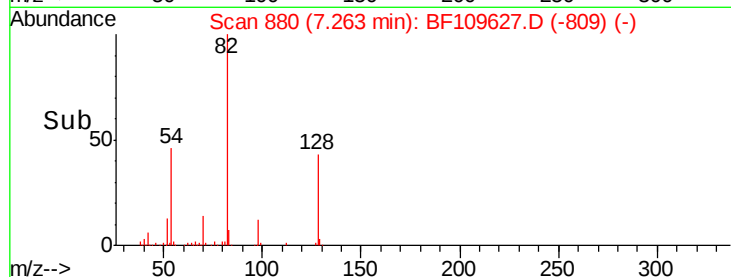
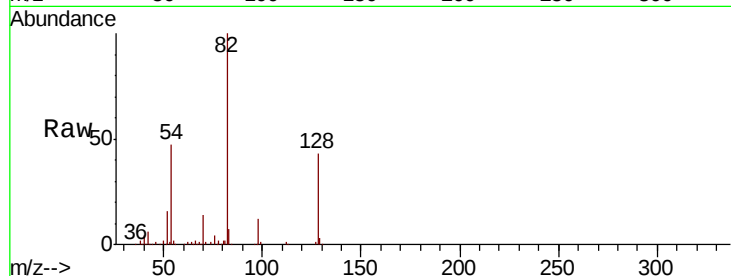




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.419 ng  
RT: 7.26 min Scan# 880  
Delta R.T. 0.12 min  
Lab File: BF109627.D  
Acq: 5 Oct 2018 23:52

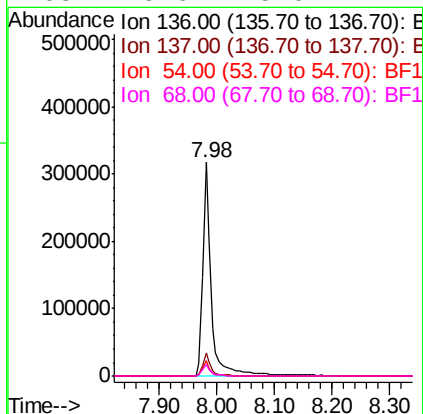
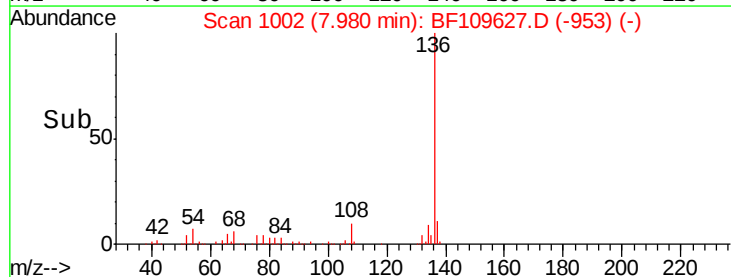
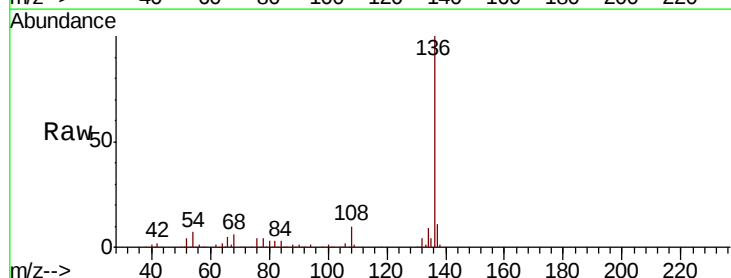
Instrument :  
BNA\_F  
ClientSampleId :  
GRID17-COMP-100318

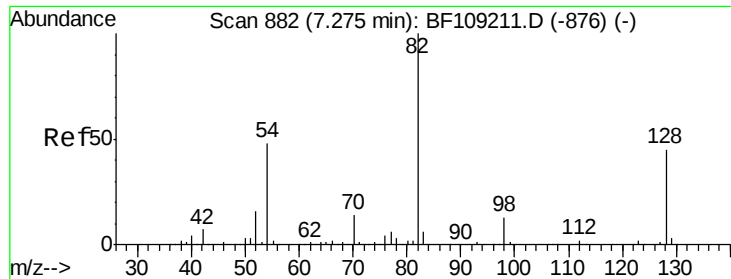
Tgt Ion: 70 Resp: 49424  
Ion Ratio Lower Upper  
70 100  
42 47.3 47.5 71.3#  
101 0.0 7.4 11.2#  
130 2.2 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.98 min Scan# 1002  
Delta R.T. -0.01 min  
Lab File: BF109627.D  
Acq: 5 Oct 2018 23:52

Tgt Ion: 136 Resp: 333239  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 7.3 6.6 9.8  
68 5.6 5.0 7.4

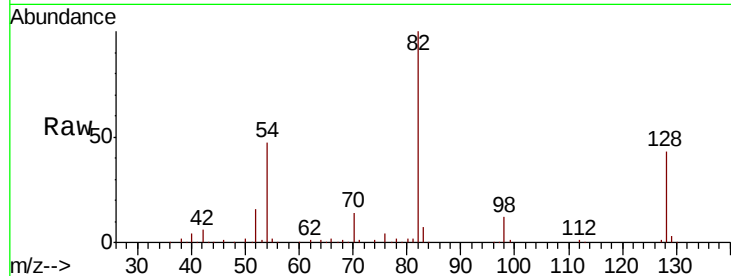




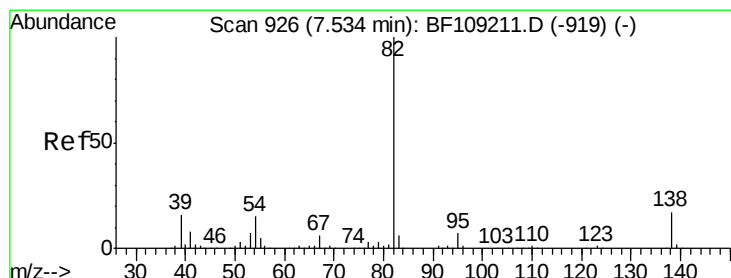
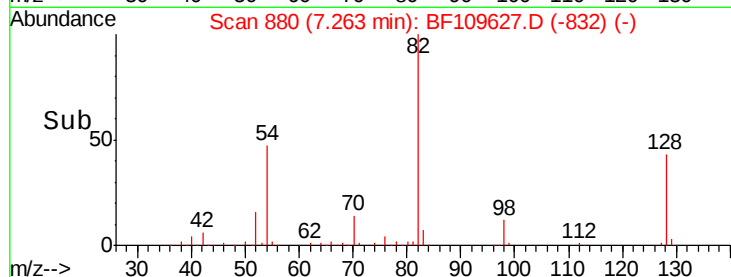
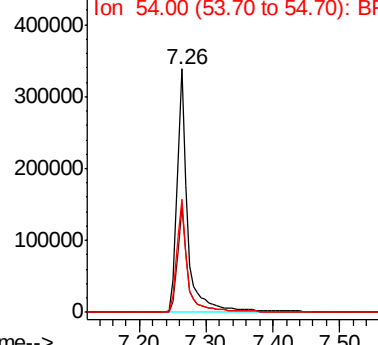
#23  
Nitrobenzene-d5  
Concen: 65.881 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.02 min  
Lab File: BF109627.D  
Acq: 5 Oct 2018 23:52

Instrument :  
BNA\_F  
ClientSampleId :  
GRID17-COMP-100318

Tgt Ion: 82 Resp: 371903  
Ion Ratio Lower Upper  
82 100  
128 43.3 36.1 54.1  
54 46.5 41.4 62.2

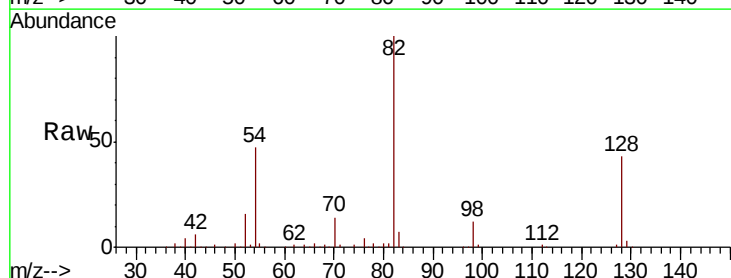


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

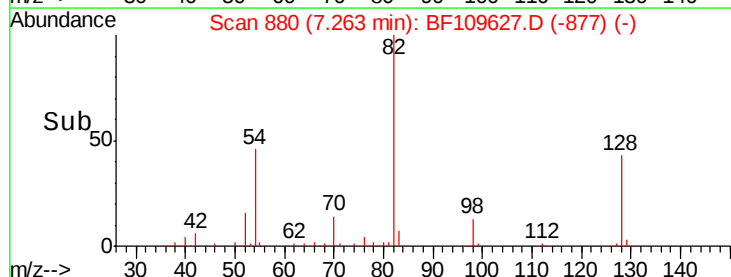
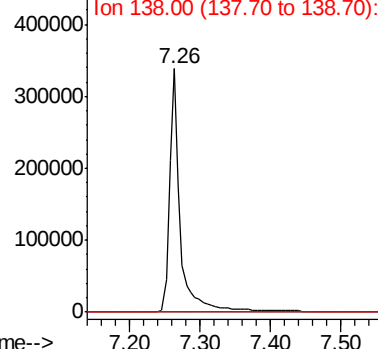


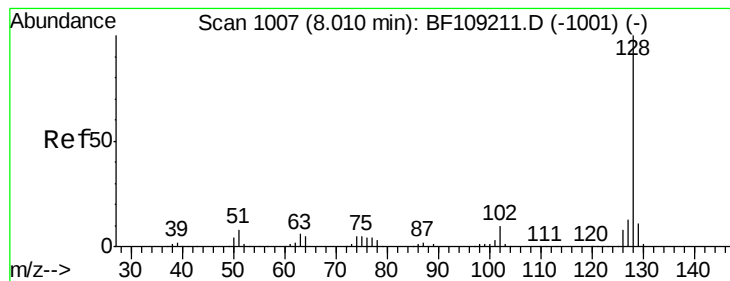
#25  
Isophorone  
Concen: 35.149 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.28 min  
Lab File: BF109627.D  
Acq: 5 Oct 2018 23:52

Tgt Ion: 82 Resp: 357300  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.2 7.8#  
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 2.317 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF109627.D

Acq: 5 Oct 2018 23:52

Instrument :

BNA\_F

ClientSampleId :

GRID17-COMP-100318

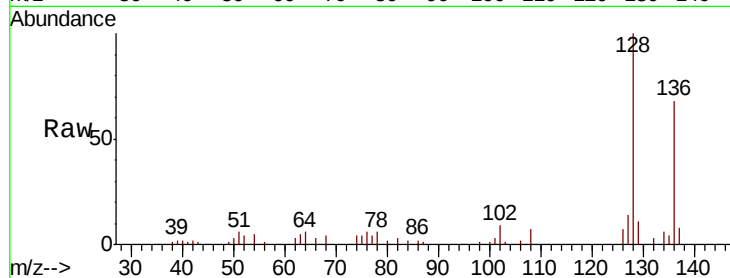
Tgt Ion:128 Resp: 36074

Ion Ratio Lower Upper

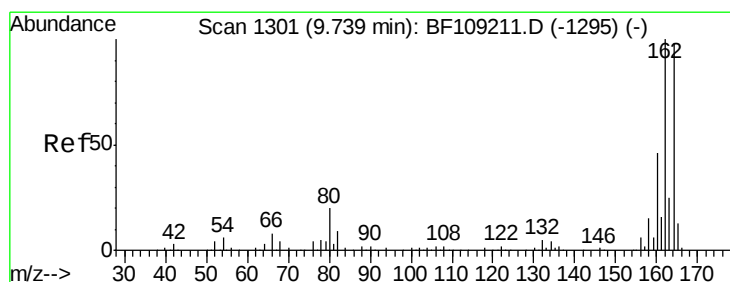
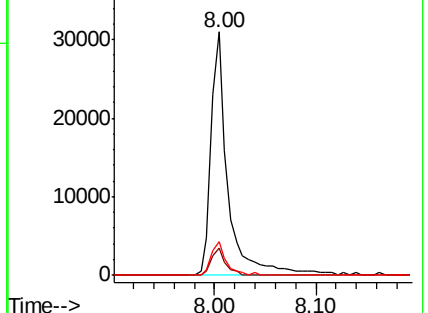
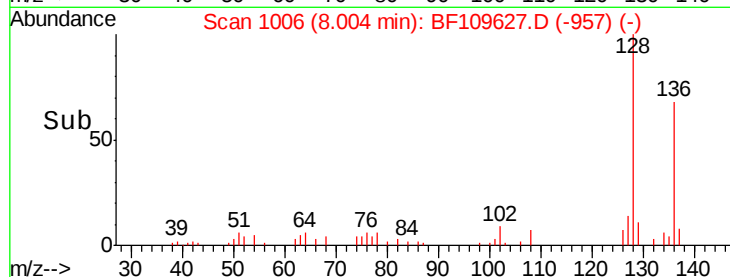
128 100

129 11.2 8.8 13.2

127 13.8 10.9 16.3



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF109627.D

Acq: 5 Oct 2018 23:52

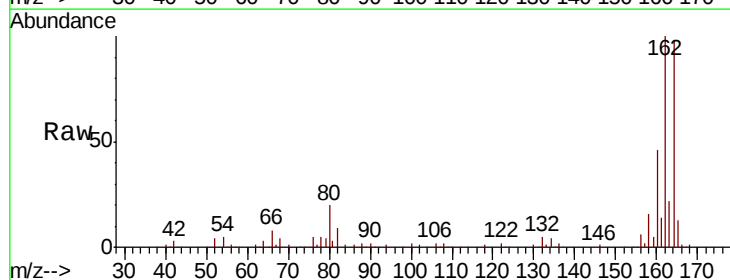
Tgt Ion:164 Resp: 137214

Ion Ratio Lower Upper

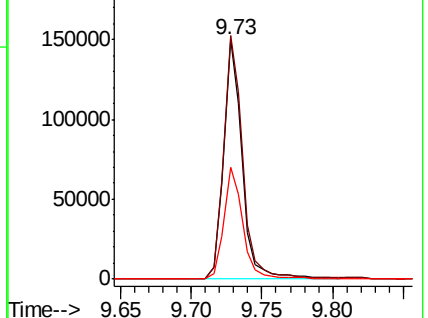
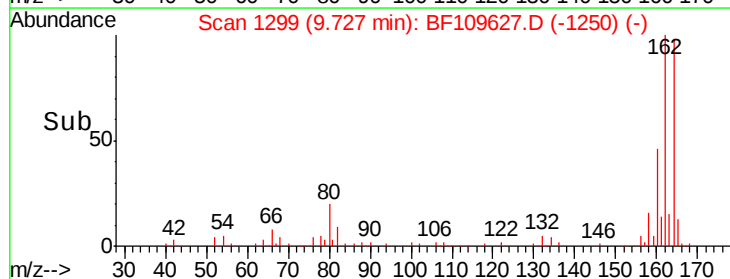
164 100

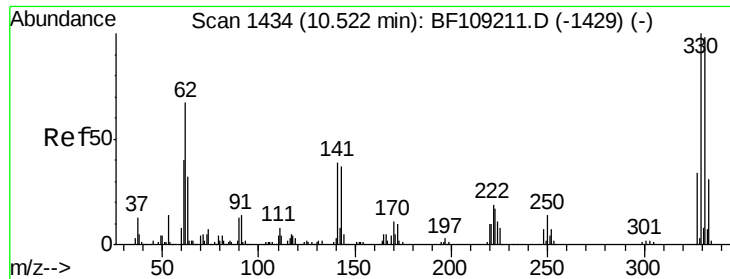
162 101.7 86.1 129.1

160 46.4 38.3 57.5



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

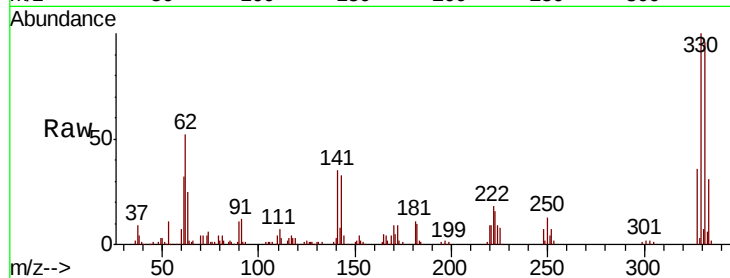




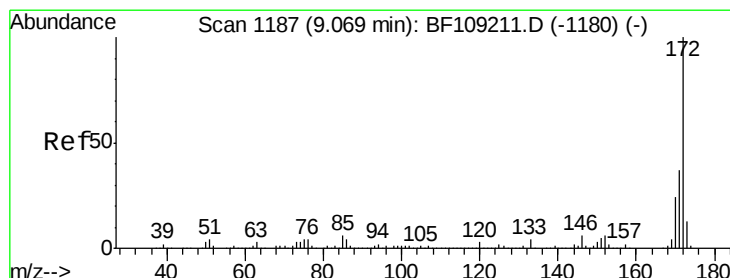
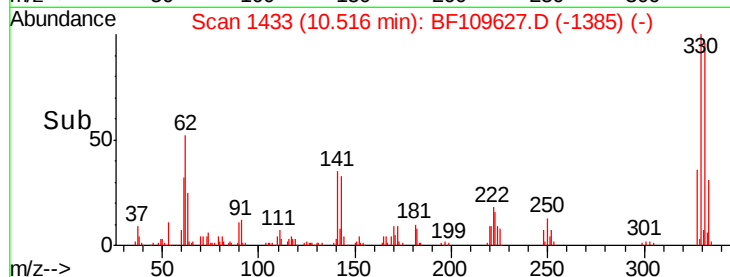
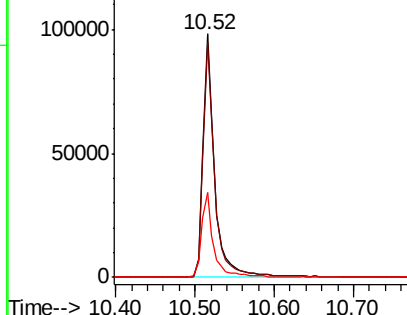
#41  
 2,4,6-Tribromophenol  
 Concen: 76.780 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.02 min  
 Lab File: BF109627.D  
 Acq: 5 Oct 2018 23:52

Instrument :  
 BNA\_F  
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 GRID17-COMP-100318

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 77.0  | 115.6 |
| 141     | 35.2  | 29.9  | 44.9  |

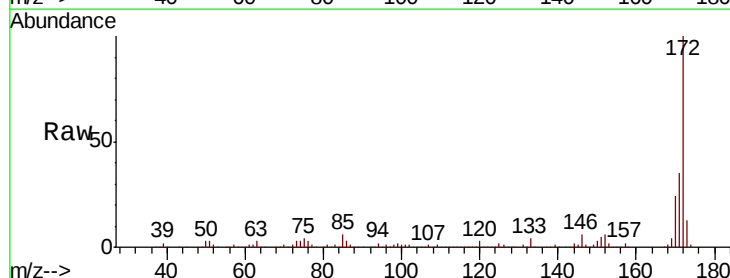


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

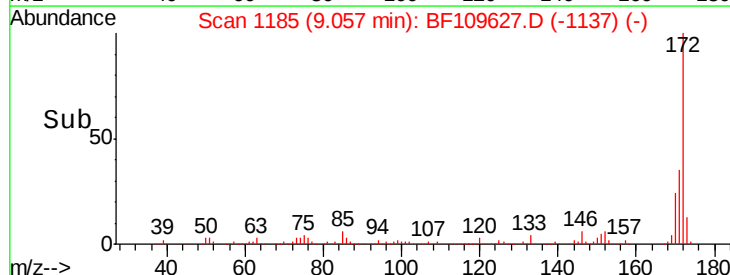
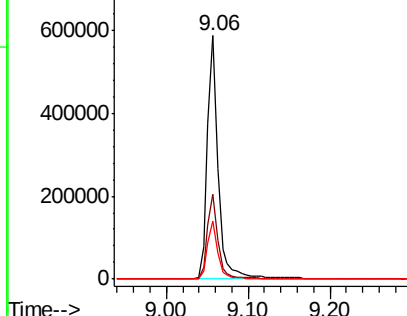


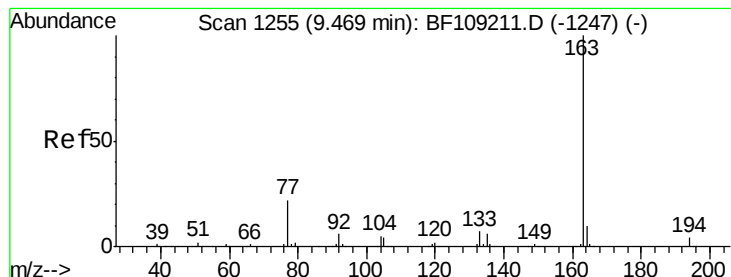
#44  
 2-Fluorobiphenyl  
 Concen: 60.448 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. -0.02 min  
 Lab File: BF109627.D  
 Acq: 5 Oct 2018 23:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 29.7  | 44.5  |
| 170     | 23.6  | 19.6  | 29.4  |



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





#49

Dimethylphthalate

Concen: 9.081 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.03 min

Lab File: BF109627.D

Acq: 5 Oct 2018 23:52

Instrument :

BNA\_F

ClientSampleId :

GRID17-COMP-100318

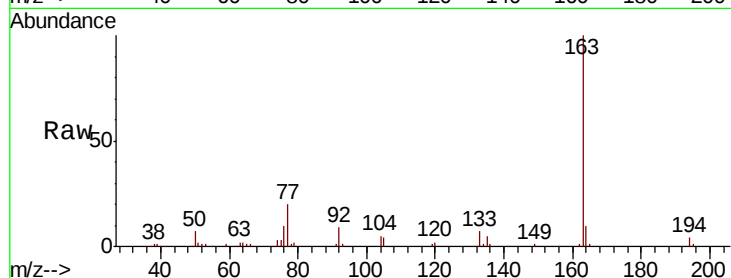
Tgt Ion:163 Resp: 90632

Ion Ratio Lower Upper

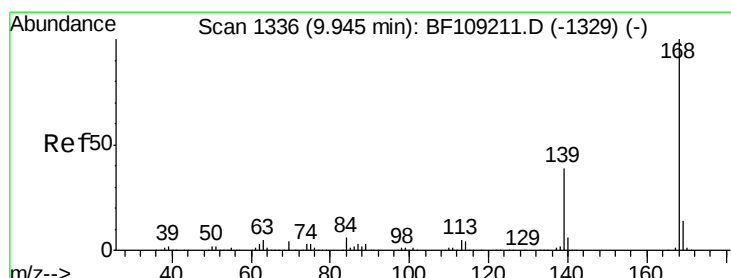
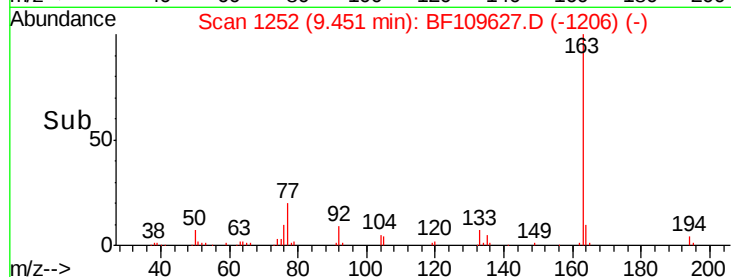
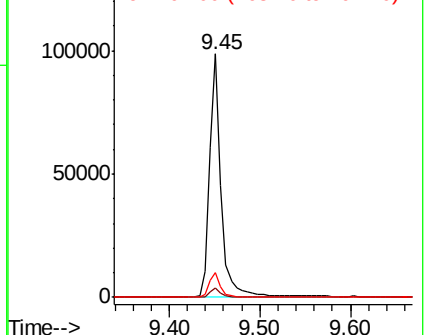
163 100

194 3.8 2.7 4.1

164 10.1 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#54

Dibenzofuran

Concen: 2.387 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF109627.D

Acq: 5 Oct 2018 23:52

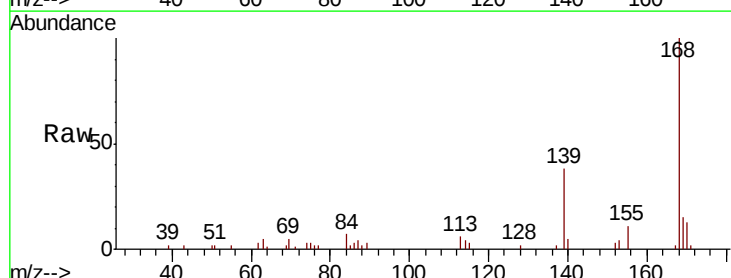
Tgt Ion:168 Resp: 28922

Ion Ratio Lower Upper

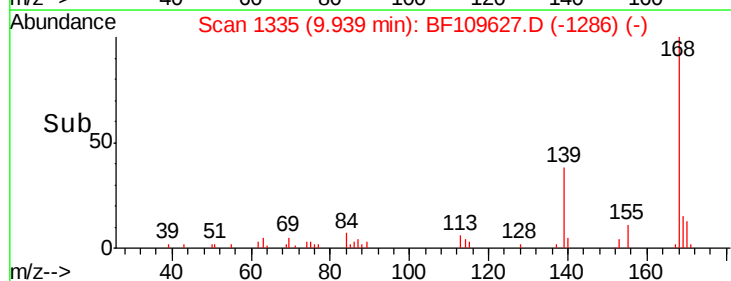
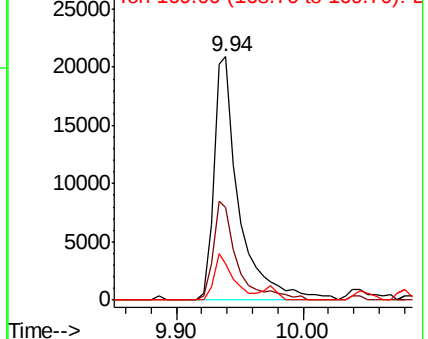
168 100

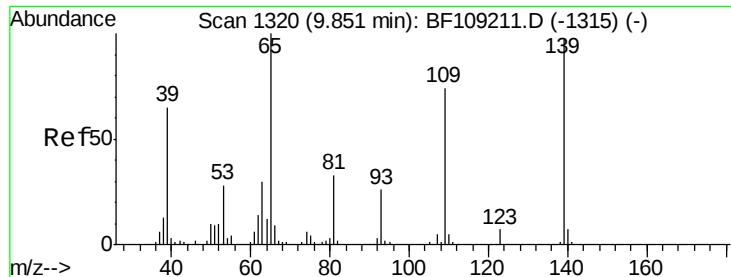
139 38.1 30.1 45.1

169 14.7 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

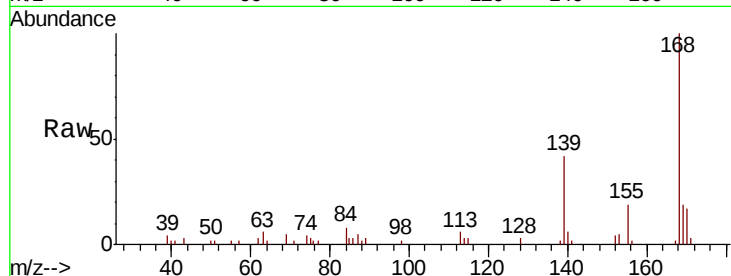




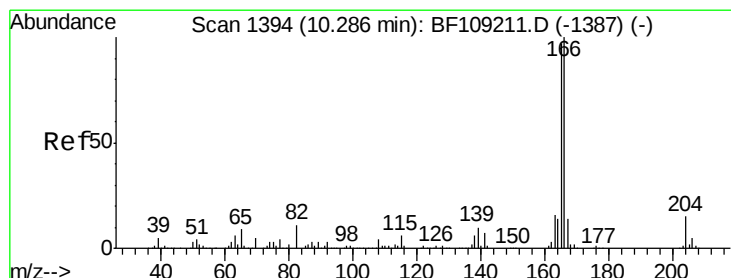
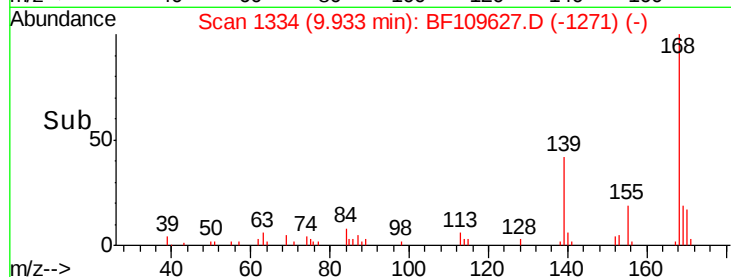
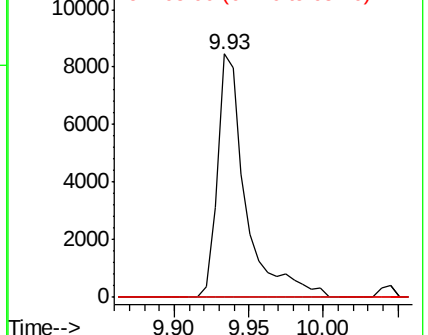
#55  
4-Nitrophenol  
Concen: 6.502 ng  
RT: 9.93 min Scan# 1334  
Delta R.T. 0.07 min  
Lab File: BF109627.D  
Acq: 5 Oct 2018 23:52

Instrument :  
BNA\_F  
ClientSampleId :  
GRID17-COMP-100318

Tgt Ion:139 Resp: 11212  
Ion Ratio Lower Upper  
139 100  
109 0.0 48.4 88.4#  
65 0.0 72.6 112.6#

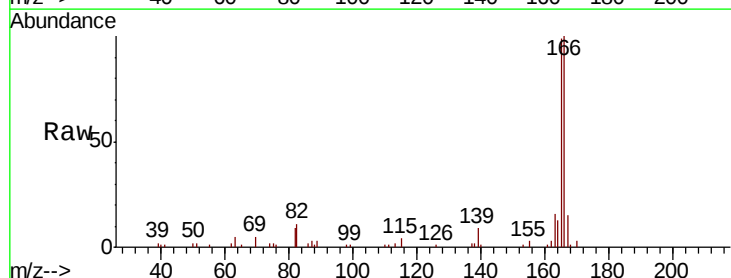


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

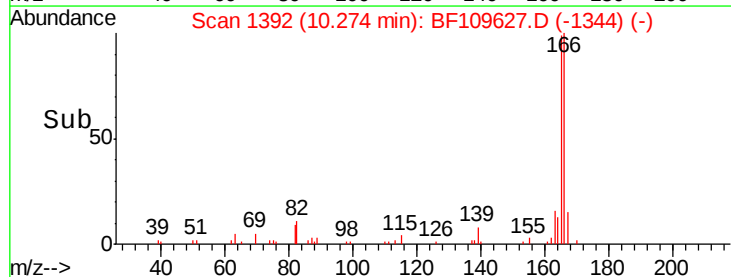
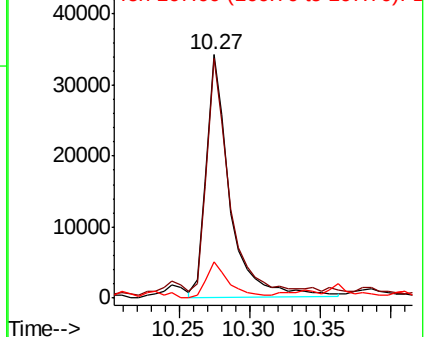


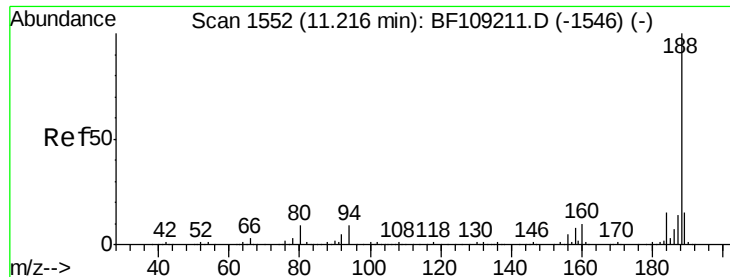
#57  
Fluorene  
Concen: 4.529 ng  
RT: 10.27 min Scan# 1392  
Delta R.T. -0.02 min  
Lab File: BF109627.D  
Acq: 5 Oct 2018 23:52

Tgt Ion:166 Resp: 39151  
Ion Ratio Lower Upper  
166 100  
165 98.7 79.8 119.8  
167 15.1 10.6 16.0



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

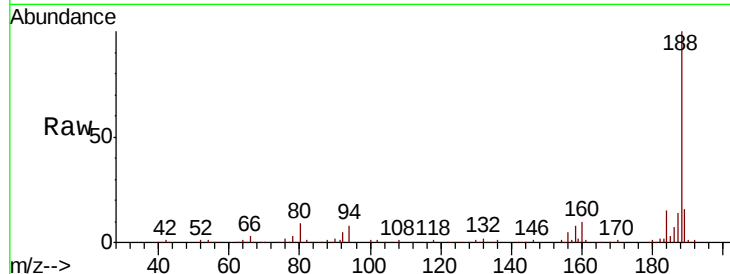




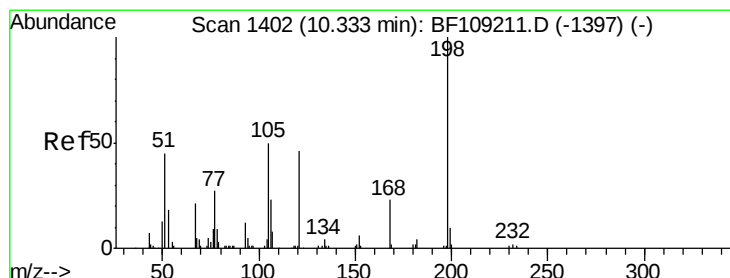
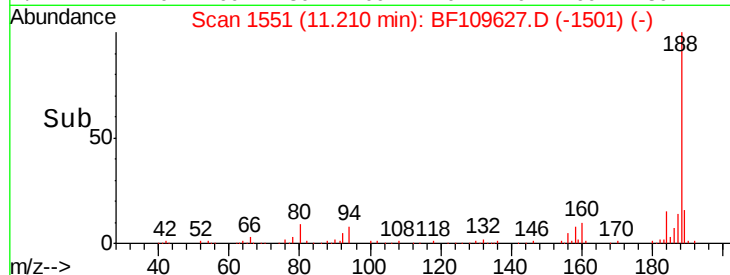
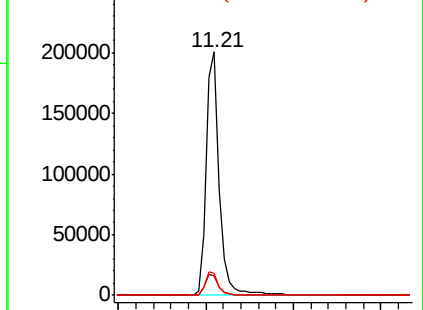
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF109627.D  
Acq: 5 Oct 2018 23:52

Instrument :  
BNA\_F  
ClientSampleId :  
GRID17-COMP-100318

Tgt Ion:188 Resp: 209016  
Ion Ratio Lower Upper  
188 100  
94 8.3 8.5 12.7#  
80 8.9 9.2 13.8#

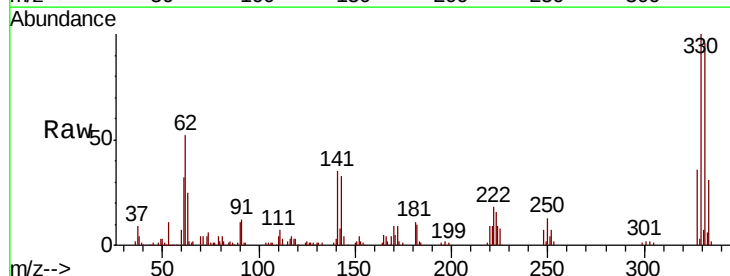


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

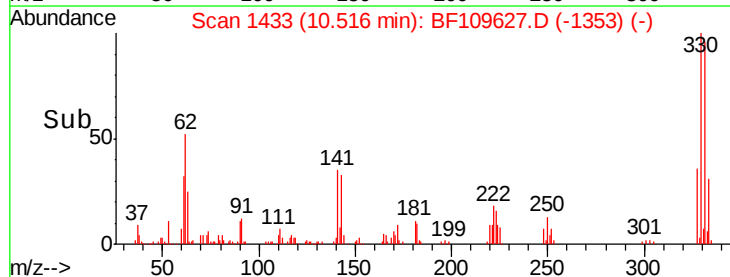
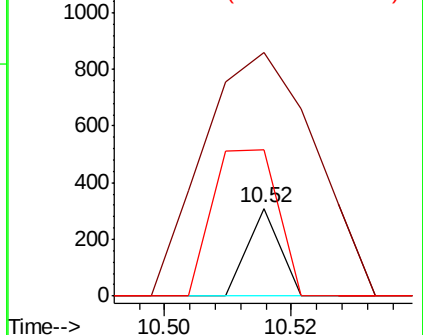


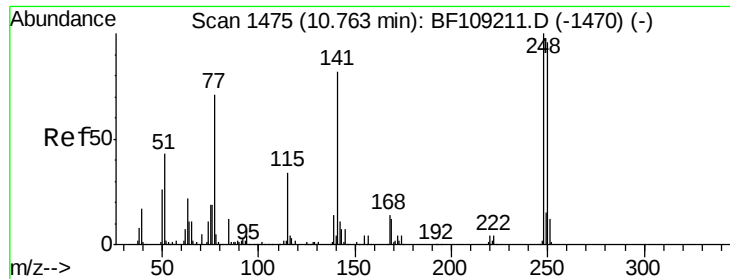
#64  
4,6-Dinitro-2-methylphenol  
Concen: 6.632 ng  
RT: 10.52 min Scan# 1433  
Delta R.T. 0.17 min  
Lab File: BF109627.D  
Acq: 5 Oct 2018 23:52

Tgt Ion:198 Resp: 109  
Ion Ratio Lower Upper  
198 100  
51 277.1 37.7 77.7#  
105 166.1 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 105.00 (104.70 to 105.70): E

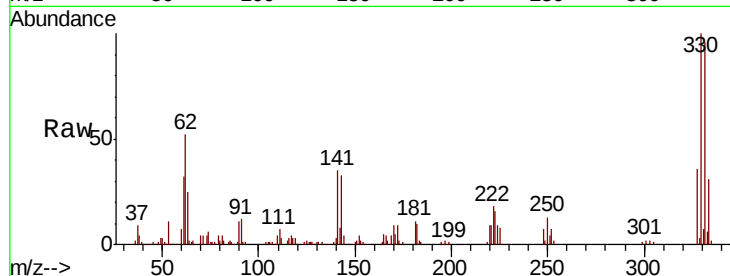




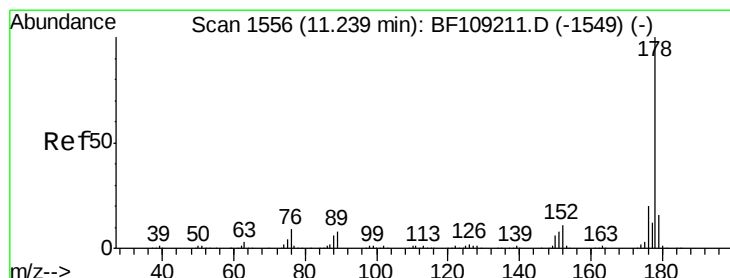
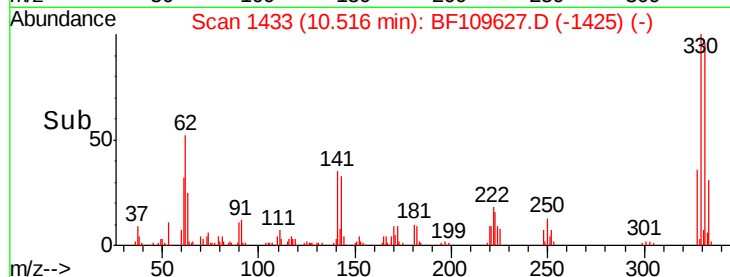
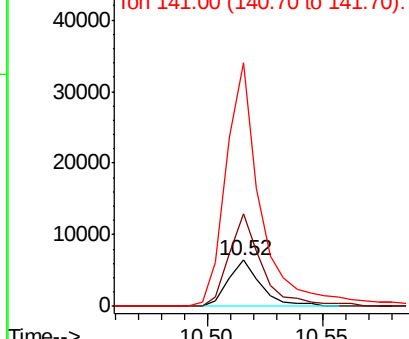
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.702 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.25 min  
 Lab File: BF109627.D  
 Acq: 5 Oct 2018 23:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GRID17-COMP-100318

Tgt Ion: 248 Resp: 6271  
 Ion Ratio Lower Upper  
 248 100  
 250 200.5 76.9 115.3#  
 141 527.9 74.4 111.6#

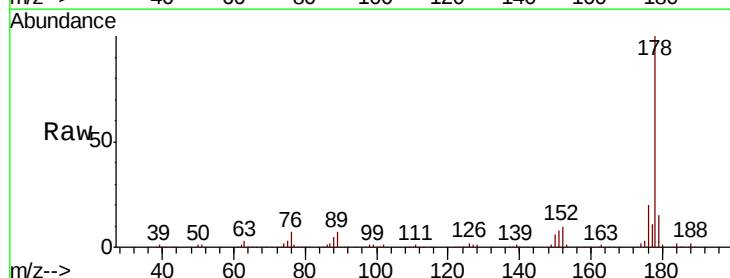


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

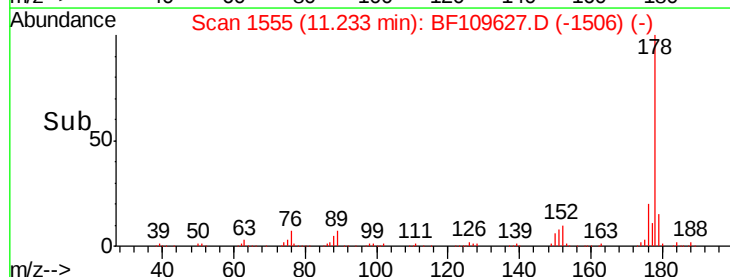
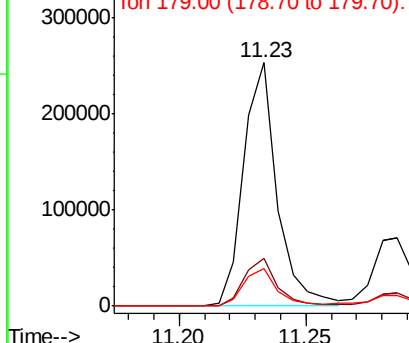


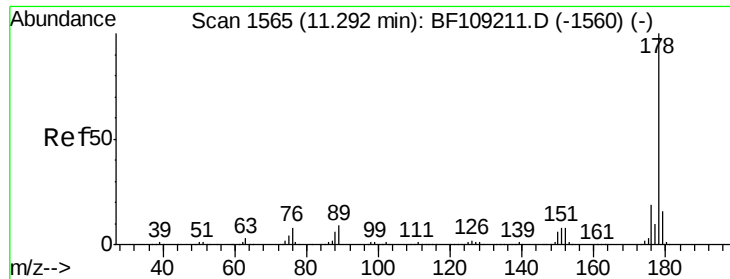
#70  
 Phenanthrene  
 Concen: 22.470 ng  
 RT: 11.23 min Scan# 1555  
 Delta R.T. -0.01 min  
 Lab File: BF109627.D  
 Acq: 5 Oct 2018 23:52

Tgt Ion: 178 Resp: 234495  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 15.8 23.8  
 179 15.2 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

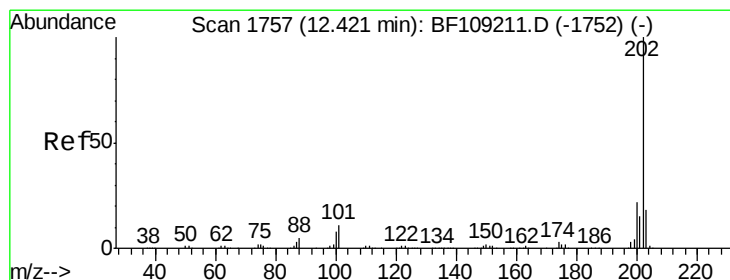
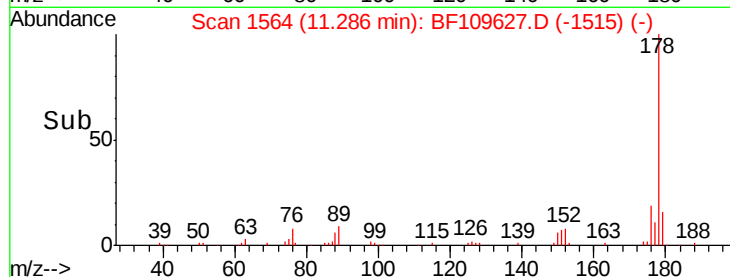
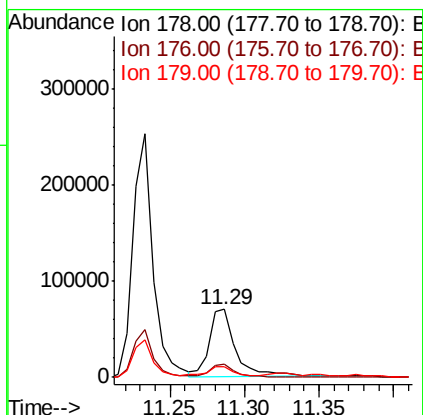
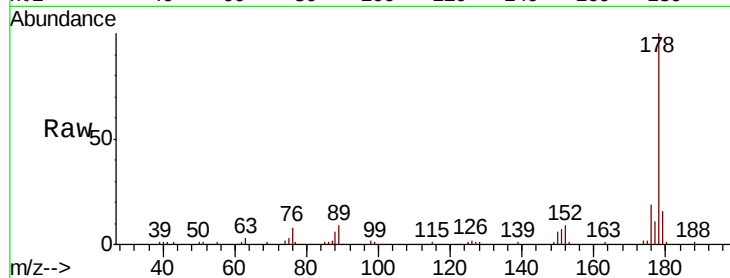




#71  
 Anthracene  
 Concen: 8.139 ng  
 RT: 11.29 min Scan# 1564  
 Delta R.T. -0.01 min  
 Lab File: BF109627.D  
 Acq: 5 Oct 2018 23:52

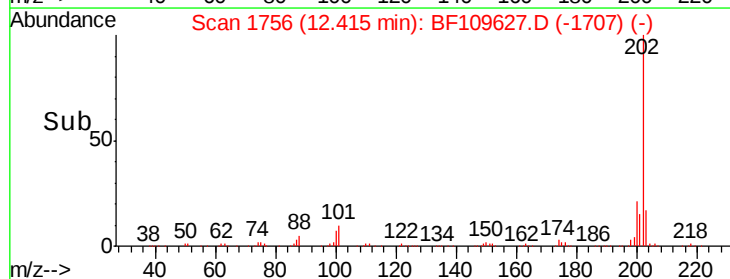
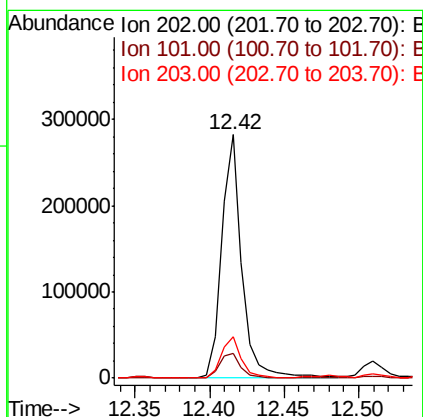
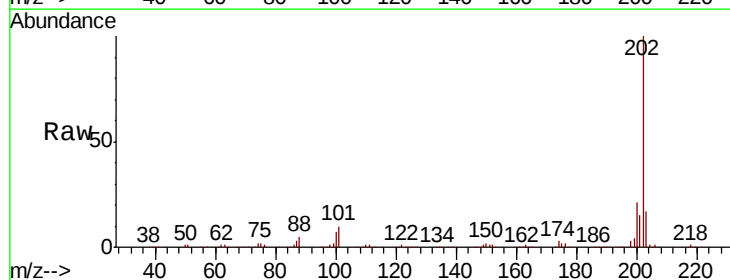
Instrument :  
 BNA\_F  
 ClientSampleId :  
 GRID17-COMP-100318

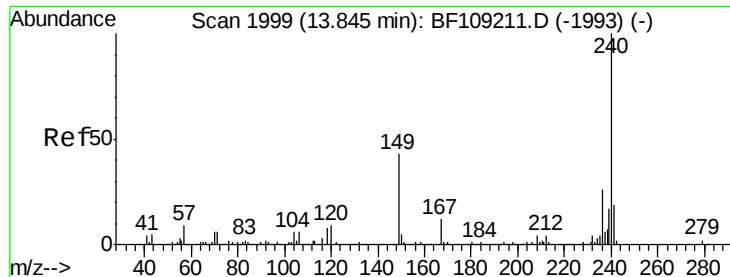
Tgt Ion:178 Resp: 86147  
 Ion Ratio Lower Upper  
 178 100  
 176 19.1 15.4 23.2  
 179 15.9 12.6 19.0



#74  
 Fluoranthene  
 Concen: 24.268 ng  
 RT: 12.42 min Scan# 1756  
 Delta R.T. -0.01 min  
 Lab File: BF109627.D  
 Acq: 5 Oct 2018 23:52

Tgt Ion:202 Resp: 270652  
 Ion Ratio Lower Upper  
 202 100  
 101 10.4 0.0 34.1  
 203 17.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF109627.D

Acq: 5 Oct 2018 23:52

Instrument :

BNA\_F

ClientSampleId :

GRID17-COMP-100318

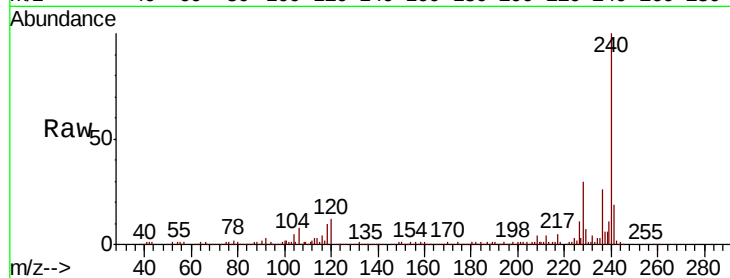
Tgt Ion:240 Resp: 201722

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

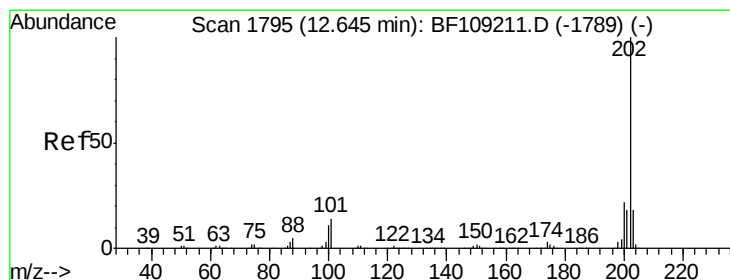
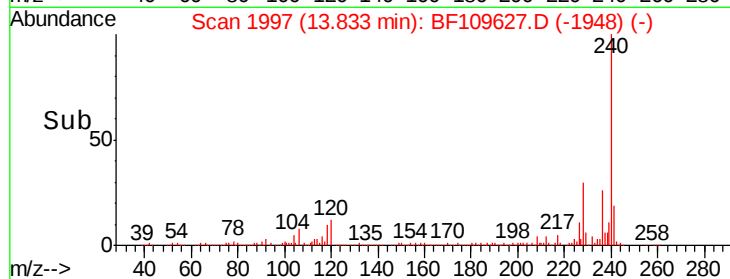
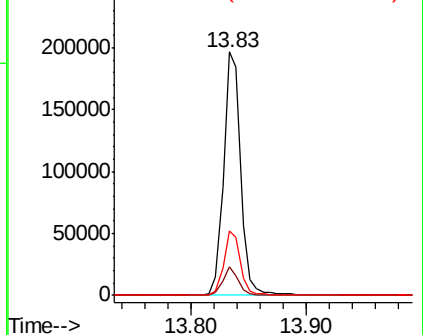
236 26.2 20.7 31.1



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



#77

Pyrene

Concen: 16.131 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.02 min

Lab File: BF109627.D

Acq: 5 Oct 2018 23:52

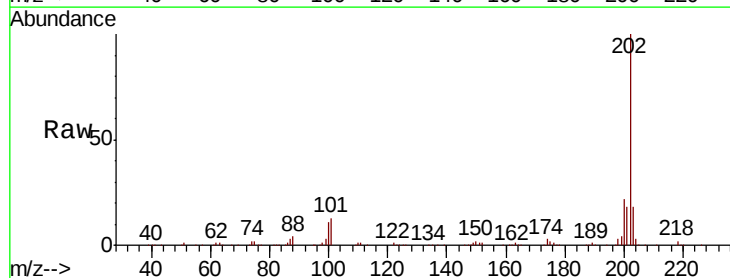
Tgt Ion:202 Resp: 233205

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

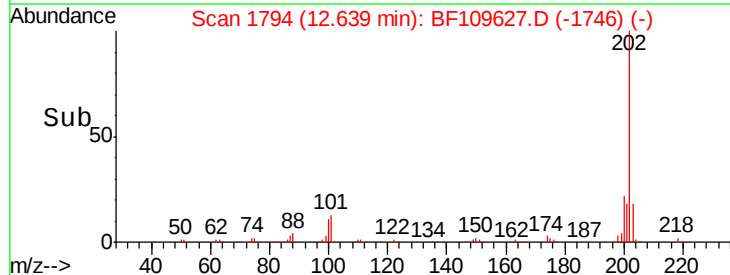
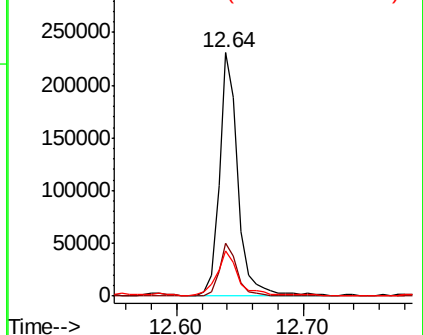
203 18.5 14.3 21.5

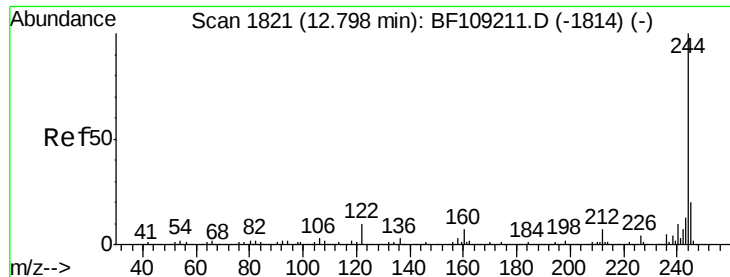


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 44.519 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF109627.D

Acq: 5 Oct 2018 23:52

Instrument :

BNA\_F

ClientSampleId :

GRID17-COMP-100318

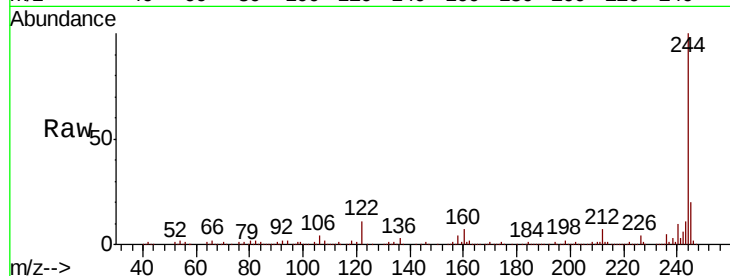
Tgt Ion:244 Resp: 365924

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

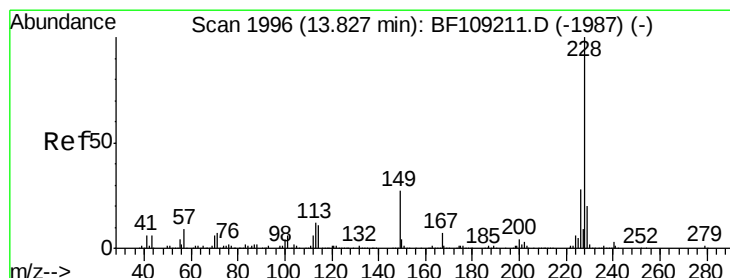
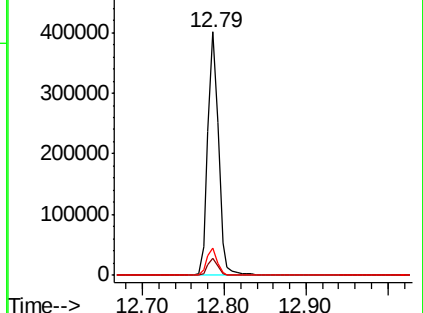
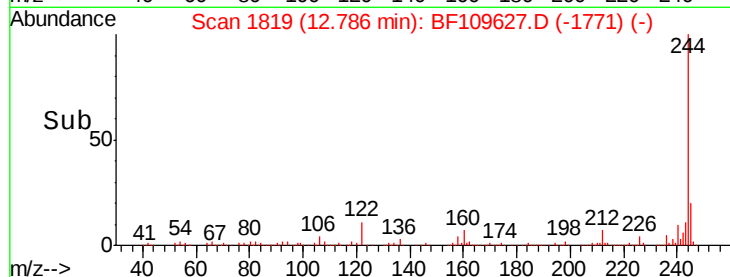
122 11.2 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 11.698 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109627.D

Acq: 5 Oct 2018 23:52

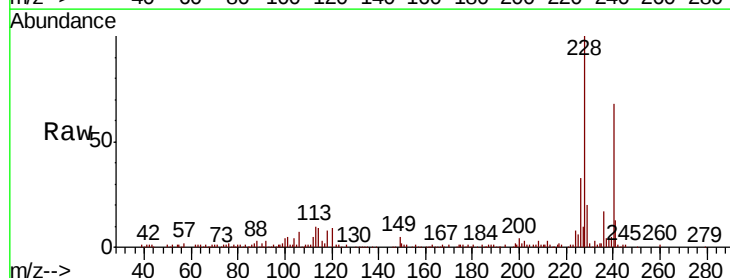
Tgt Ion:228 Resp: 142139

Ion Ratio Lower Upper

228 100

226 32.8 22.6 33.8

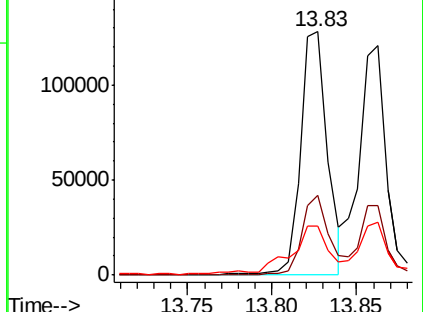
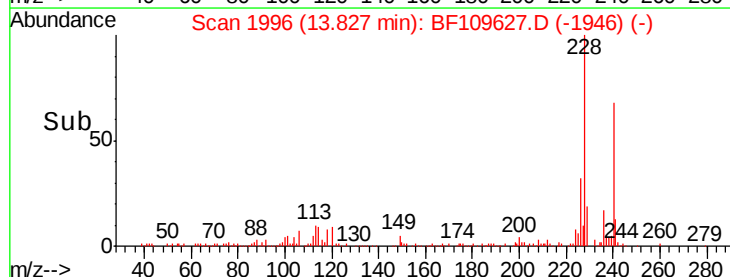
229 20.0 15.8 23.6

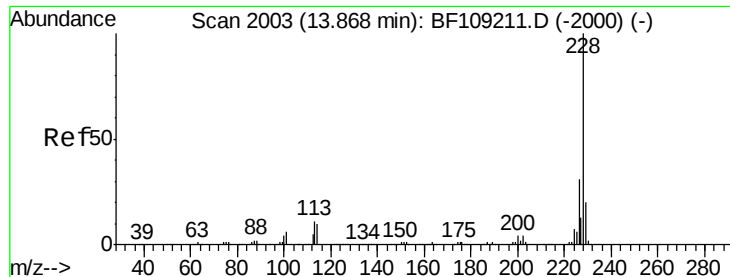


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.153 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109627.D

Acq: 5 Oct 2018 23:52

Instrument :

BNA\_F

ClientSampleId :

GRID17-COMP-100318

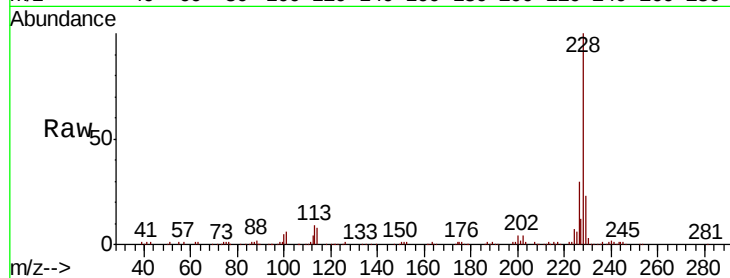
Tgt Ion:228 Resp: 134313

Ion Ratio Lower Upper

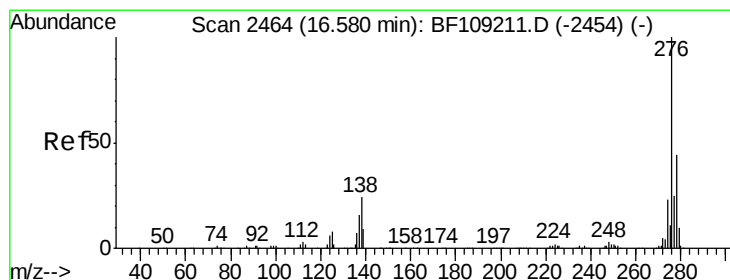
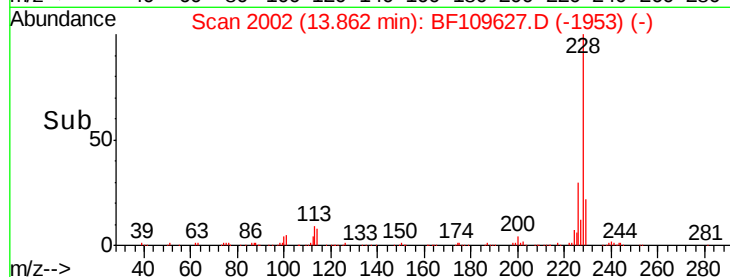
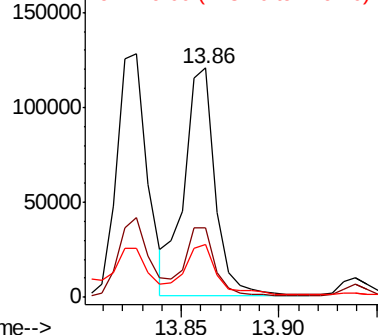
228 100

226 30.3 25.0 37.6

229 23.2 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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.881 ng

RT: 16.58 min Scan# 2464

Delta R.T. -0.01 min

Lab File: BF109627.D

Acq: 5 Oct 2018 23:52

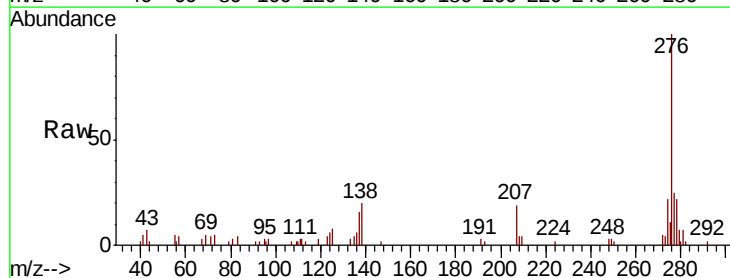
Tgt Ion:276 Resp: 37885

Ion Ratio Lower Upper

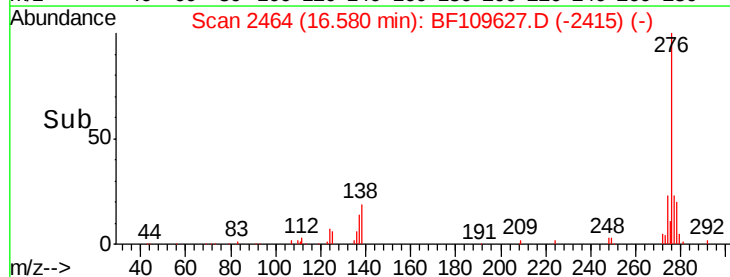
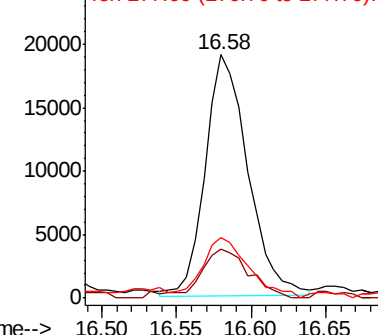
276 100

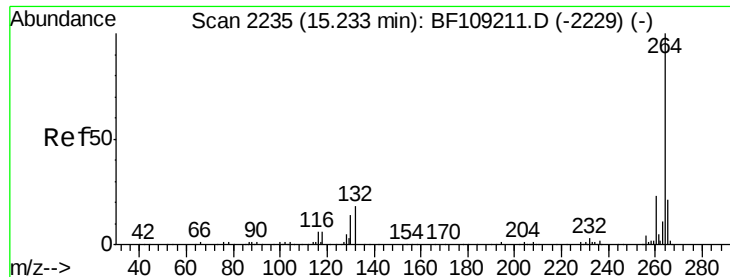
138 22.3 25.0 37.6#

277 27.2 20.1 30.1



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

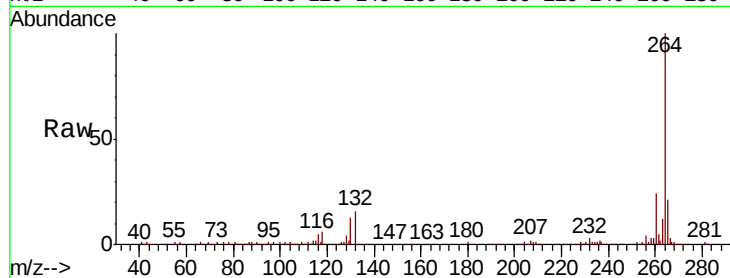




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.23 min Scan# 2235  
Delta R.T. -0.01 min  
Lab File: BF109627.D  
Acq: 5 Oct 2018 23:52

Instrument :  
BNA\_F  
ClientSampleId :  
GRID17-COMP-100318

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 20.8  | 17.5  | 26.3  |



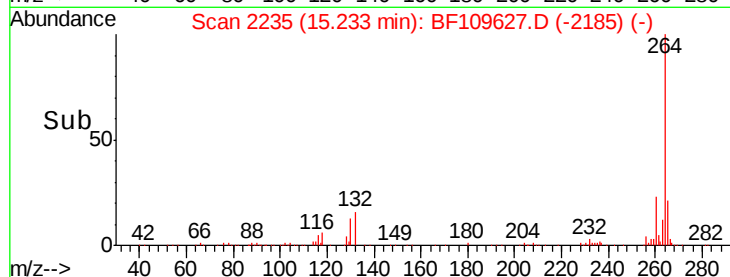
Abundance

Ion 264.00 (263.70 to 264.70): E

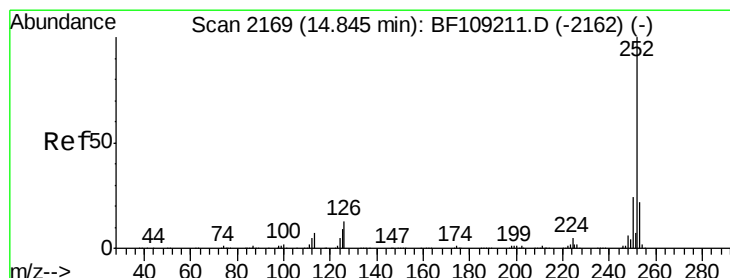
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

15.23

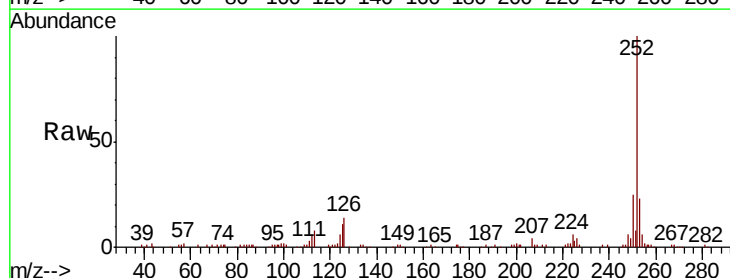


Time-->



#87  
Benzo(b)fluoranthene  
Concen: 16.989 ng  
RT: 14.84 min Scan# 2168  
Delta R.T. -0.01 min  
Lab File: BF109627.D  
Acq: 5 Oct 2018 23:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.0  | 25.6  |
| 125     | 10.9  | 9.0   | 13.6  |



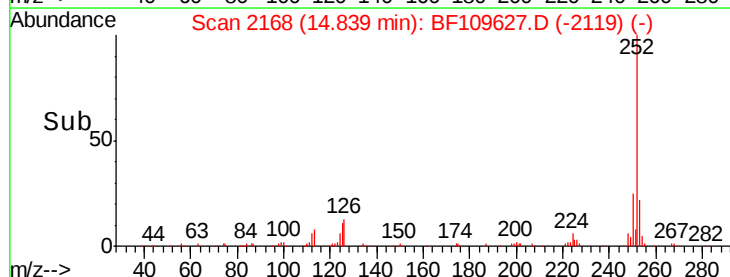
Abundance

Ion 252.00 (251.70 to 252.70): E

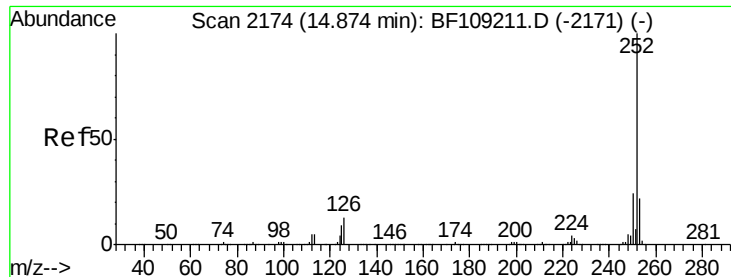
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

14.84



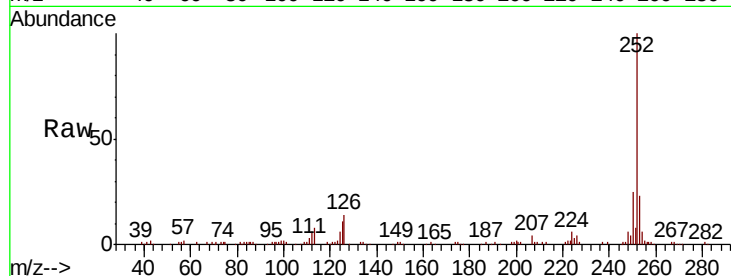
Time-->



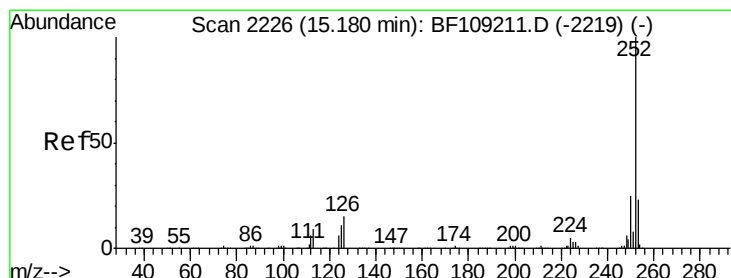
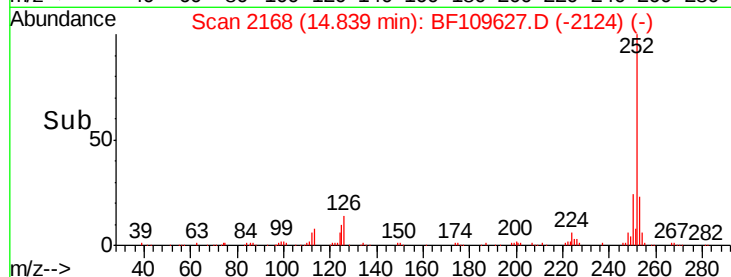
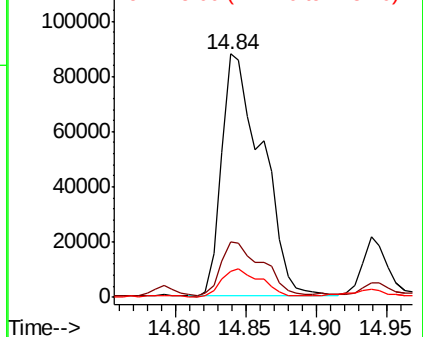
#88  
Benzo(k)fluoranthene  
Concen: 17.903 ng  
RT: 14.84 min Scan# 2168  
Delta R.T. -0.04 min  
Lab File: BF109627.D  
Acq: 5 Oct 2018 23:52

Instrument :  
BNA\_F  
ClientSampleId :  
GRID17-COMP-100318

Tgt Ion:252 Resp: 175820  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.9 26.9  
125 10.9 10.2 15.2

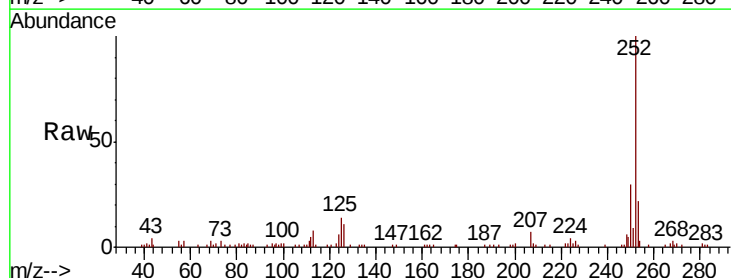


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

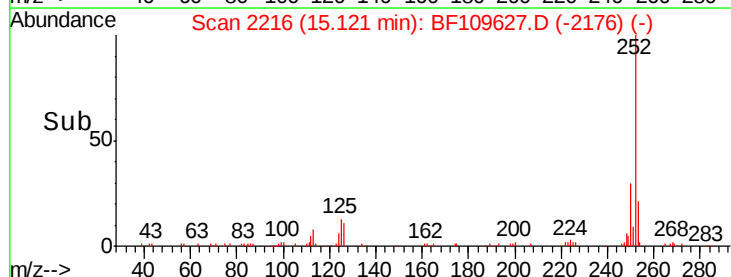
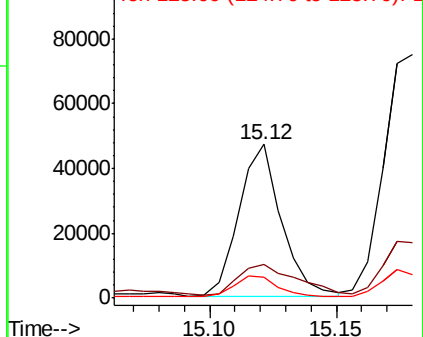


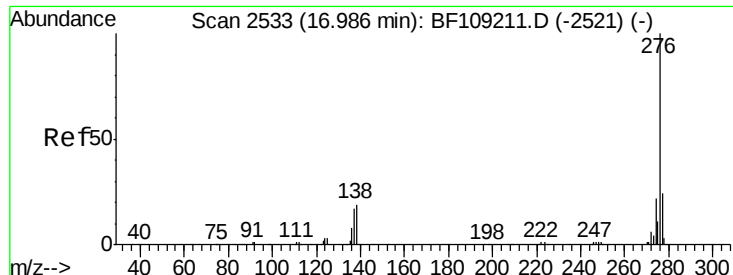
#89  
Benzo(a)pyrene  
Concen: 5.867 ng  
RT: 15.12 min Scan# 2216  
Delta R.T. -0.06 min  
Lab File: BF109627.D  
Acq: 5 Oct 2018 23:52

Tgt Ion:252 Resp: 54708  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.1 25.7  
125 13.6 9.8 14.6



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





#91

Benzo(g,h,i)perylene

Concen: 4.370 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF109627.D

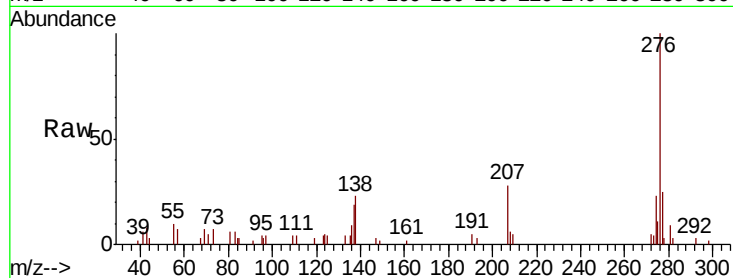
Acq: 5 Oct 2018 23:52

Instrument :

BNA\_F

ClientSampleId :

GRID17-COMP-100318



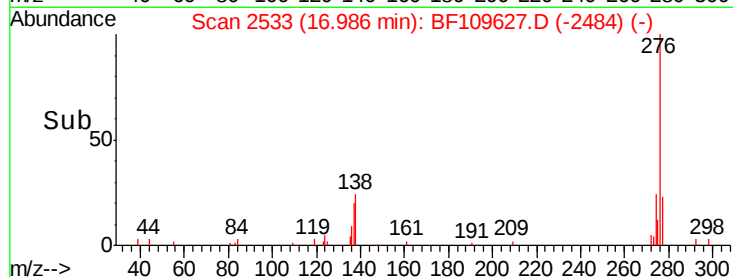
Tgt Ion: 276 Resp: 32856

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 23.2 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

