

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF071318\  
 Data File : BF107380.D  
 Acq On : 13 Jul 2018 21:55  
 Operator : JU/SJ  
 Sample : J3998-01DL 125X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 2018-NYSEG-CLARK-ST-PH4-AREA

Quant Time: Jul 14 01:44:29 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 13 11:54:53 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.93  | 152  | 40953    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.21  | 136  | 146068   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.98  | 164  | 70437    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.47 | 188  | 151765   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.13 | 240  | 139913   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.67 | 264  | 102355   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.62  | 112  | 286      | 0.12   | ng    | 0.05     |
| 7) Phenol-d6                | 6.63  | 99   | 107      | 0.04   | ng    | 0.05     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 234      | 0.09   | ng    | 0.02     |
| 41) 2,4,6-Tribromophenol    | 0.00  | 330  | 0        | 0.00   | ng    |          |
| 44) 2-Fluorobiphenyl        | 9.29  | 172  | 1874     | -17.30 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.05 | 244  | 3689     | 0.64   | ng    | 0.00     |

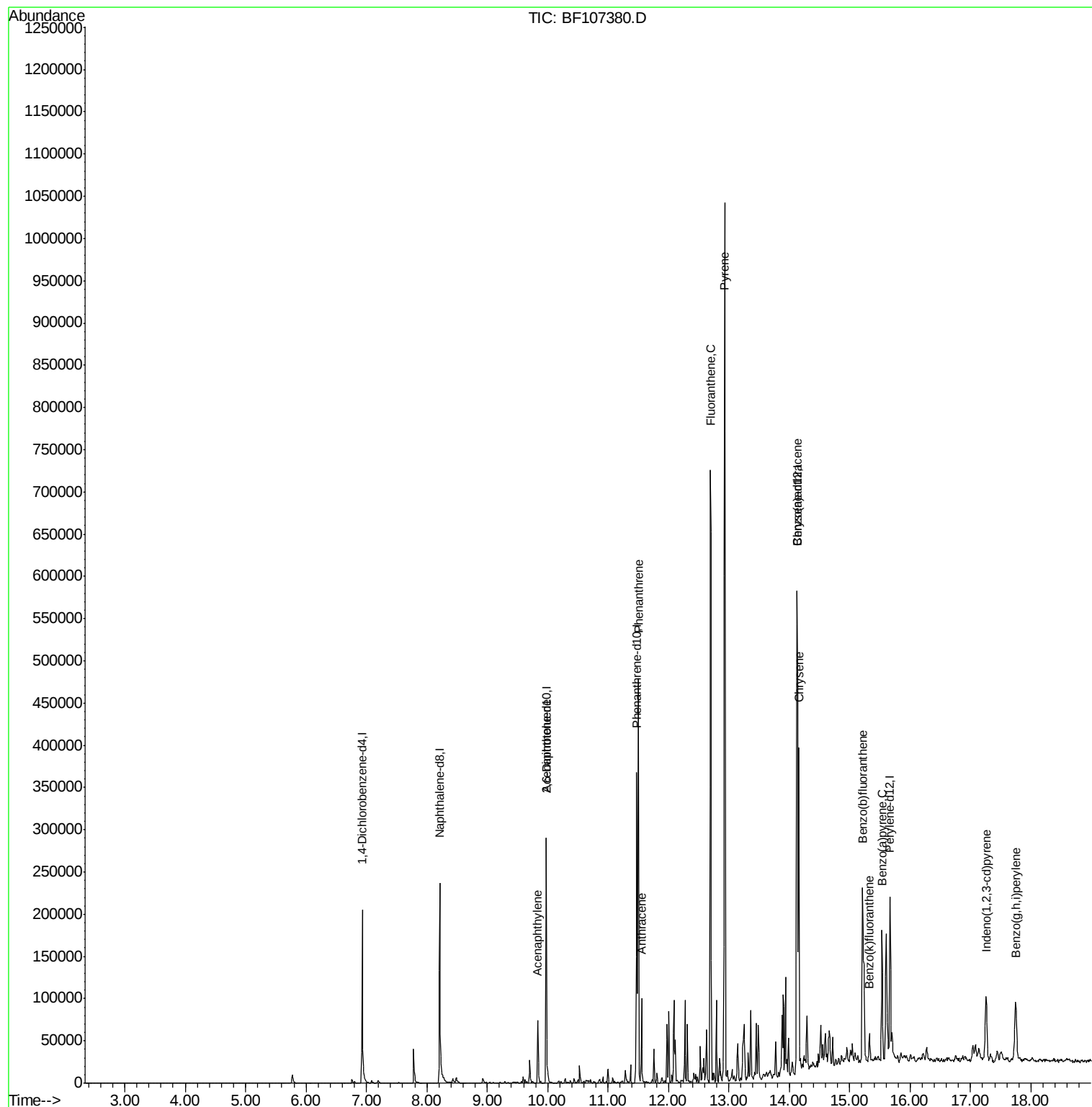
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 48) Acenaphthylene         | 9.84  | 152  | 38738    | 5.553  | ng    | 100    |
| 50) 2,6-Dinitrotoluene     | 9.98  | 165  | 8746     | 7.818  | ng    | # 24   |
| 70) Phenanthrene           | 11.50 | 178  | 195125   | 26.657 | ng    | 98     |
| 71) Anthracene             | 11.55 | 178  | 48044    | 6.430  | ng    | 99     |
| 74) Fluoranthene           | 12.69 | 202  | 318917   | 39.528 | ng    | 95     |
| 77) Pyrene                 | 12.93 | 202  | 444650   | 48.194 | ng    | 99     |
| 80) Benzo(a)anthracene     | 14.12 | 228  | 160871   | 18.865 | ng    | 95     |
| 82) Chrysene               | 14.16 | 228  | 147583   | 18.812 | ng    | 98     |
| 85) Indeno(1,2,3-cd)pyrene | 17.26 | 276  | 62092    | 9.327  | ng    | # 87   |
| 87) Benzo(b)fluoranthene   | 15.21 | 252  | 170225   | 26.772 | ng    | 98     |
| 88) Benzo(k)fluoranthene   | 15.32 | 252  | 20616    | 3.405  | ng    | 97     |
| 89) Benzo(a)pyrene         | 15.54 | 252  | 76092    | 13.462 | ng    | 99     |
| 91) Benzo(g,h,i)perylene   | 17.75 | 276  | 69328    | 14.807 | ng    | # 92   |

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

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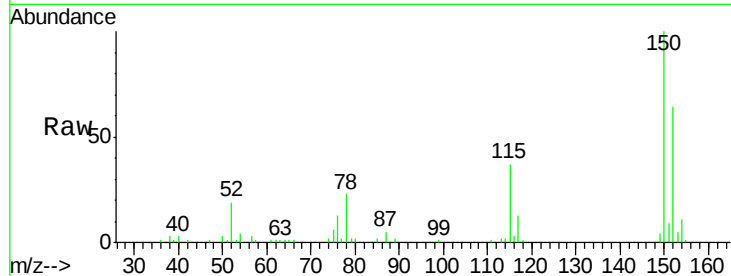


#1

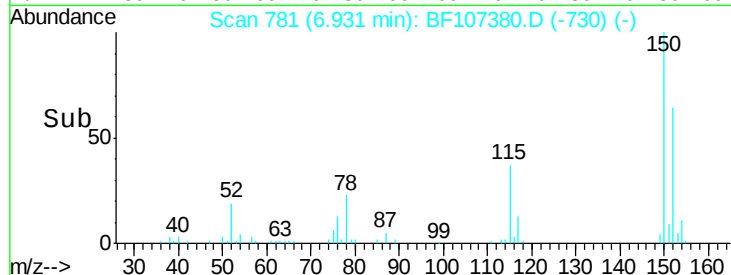
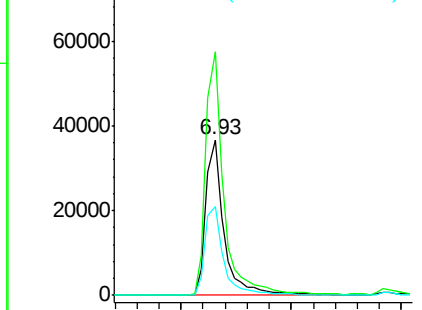
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.93 min Scan# 781  
Delta R.T. -0.00 min  
Lab File: BF107380.D  
Acq: 13 Jul 2018 21:55

Instrument :  
BNA\_F  
ClientSampleId :  
2018-NYSEG-CLARK-ST-PH4-AREA

Tgt Ion:152 Resp: 40953  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.6 186.8  
115 57.3 50.1 75.1



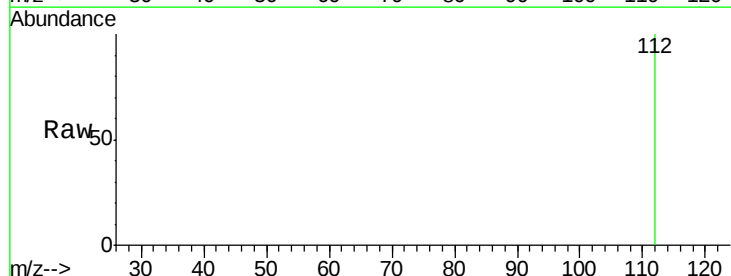
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



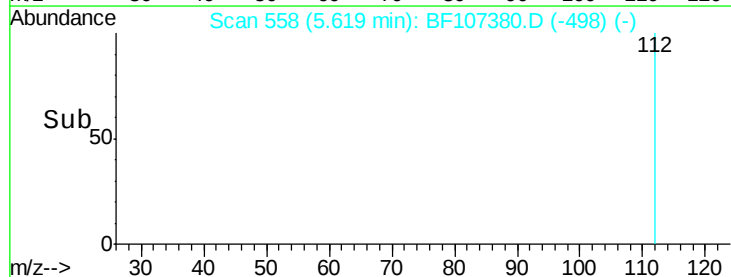
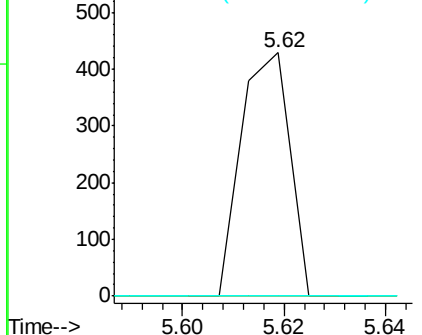
#5

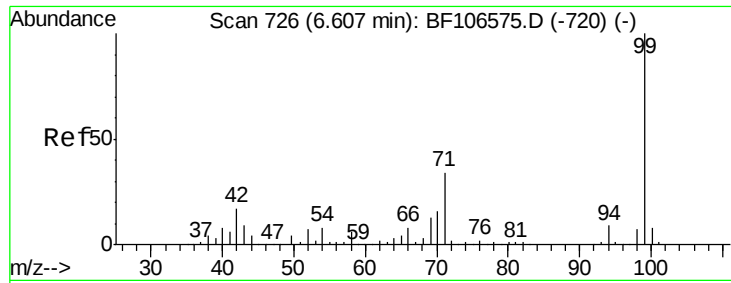
2-Fluorophenol  
Concen: 0.118 ng  
RT: 5.62 min Scan# 558  
Delta R.T. 0.05 min  
Lab File: BF107380.D  
Acq: 13 Jul 2018 21:55

Tgt Ion:112 Resp: 286  
Ion Ratio Lower Upper  
112 100  
64 0.0 47.9 71.9#  
63 0.0 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: 0.035 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.05 min

Lab File: BF107380.D

Acq: 13 Jul 2018 21:55

Instrument :

BNA\_F

ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

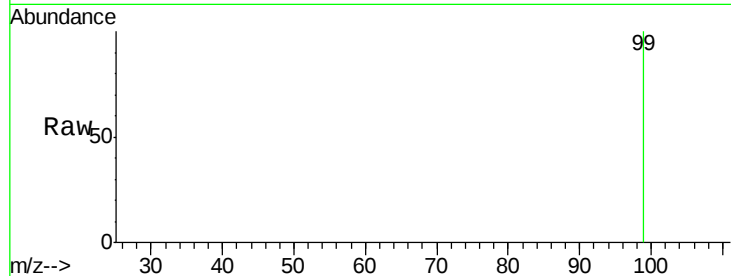
Tgt Ion: 99 Resp: 107

Ion Ratio Lower Upper

99 100

42 0.0 14.5 21.7#

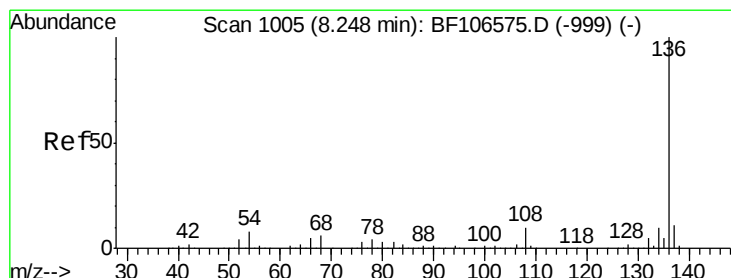
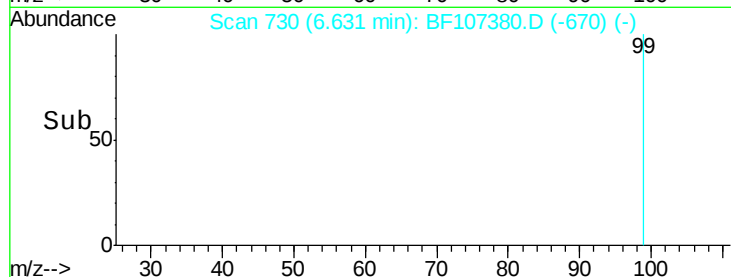
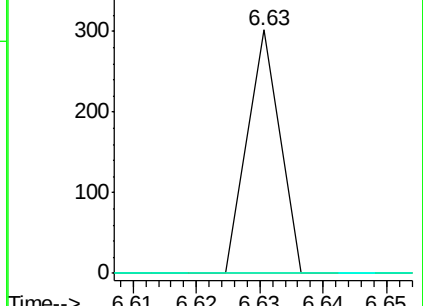
71 0.0 25.4 38.0#



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.21 min Scan# 999

Delta R.T. -0.00 min

Lab File: BF107380.D

Acq: 13 Jul 2018 21:55

Tgt Ion: 136 Resp: 146068

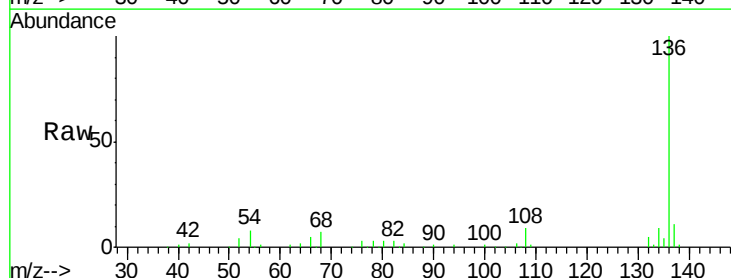
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.7 6.6 9.8

68 6.6 5.0 7.4

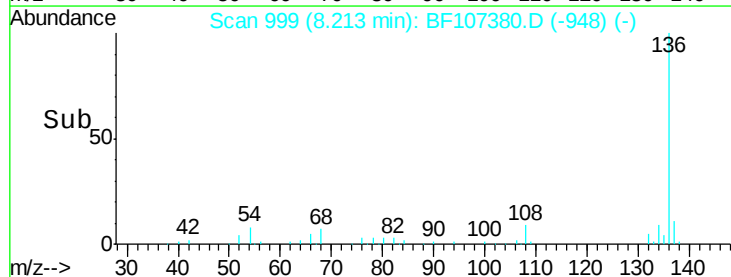
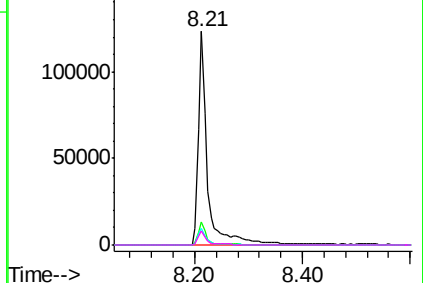


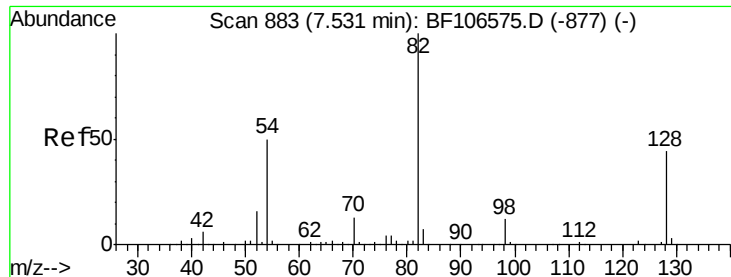
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 0.089 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.02 min

Lab File: BF107380.D

Acq: 13 Jul 2018 21:55

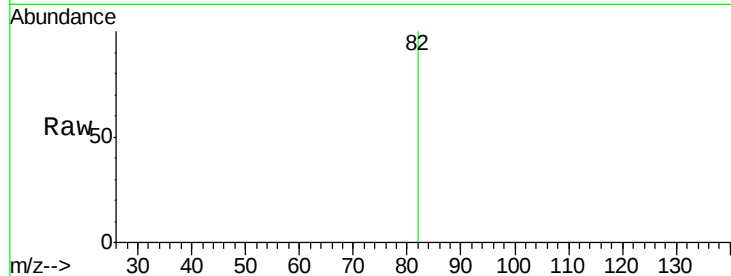
Instrument :

BNA\_F

ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

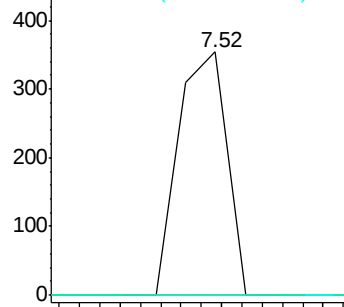
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 234   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 0.0   | 36.1  | 54.1# |
| 54       | 0.0   | 41.4  | 62.2# |



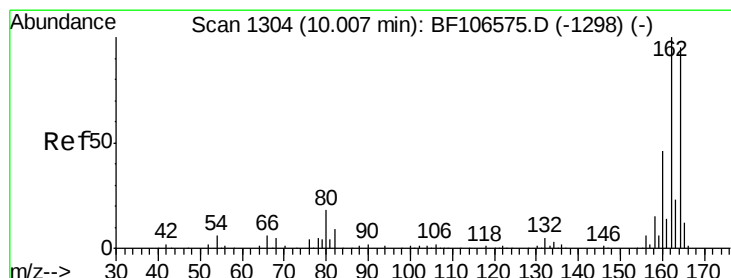
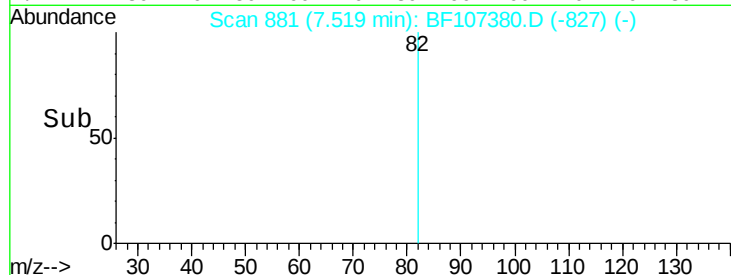
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

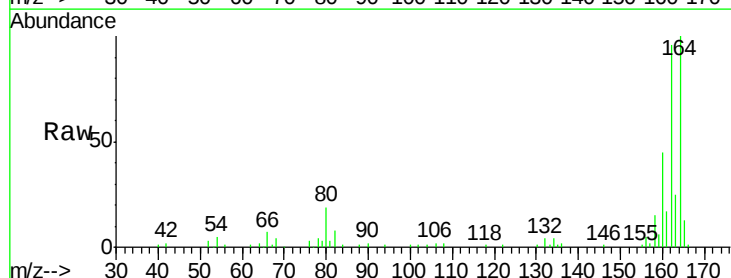
RT: 9.98 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BF107380.D

Acq: 13 Jul 2018 21:55

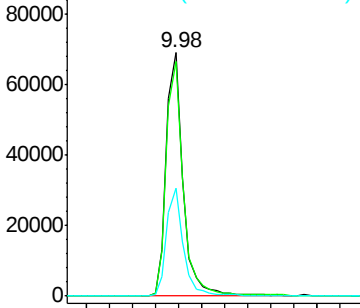
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 70437 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 96.2  | 86.1  | 129.1 |
| 160      | 44.5  | 38.3  | 57.5  |



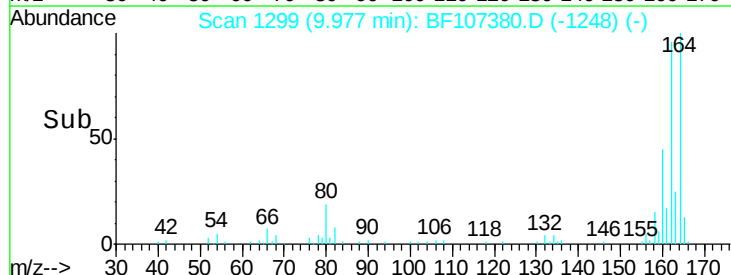
Abundance Ion 164.00 (163.70 to 164.70): E

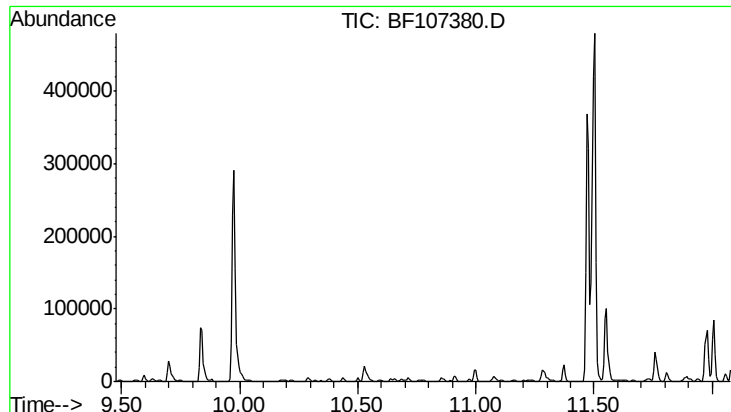
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

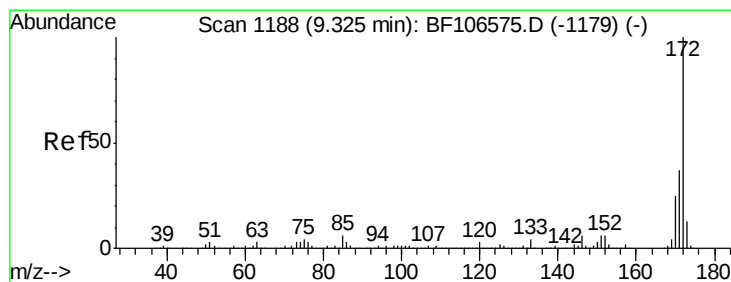
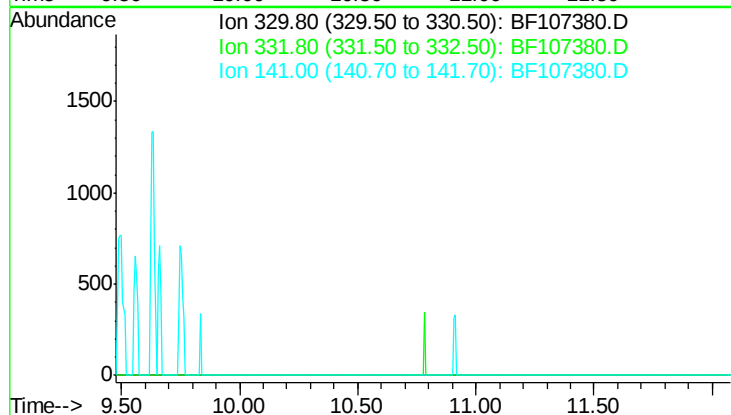




#41  
 2,4,6-Tribromophenol  
 Concen: 0.000 ng  
 Expected RT: 10.78 min  
 Lab File: BF107380.D  
 Acq: 13 Jul 2018 21:55

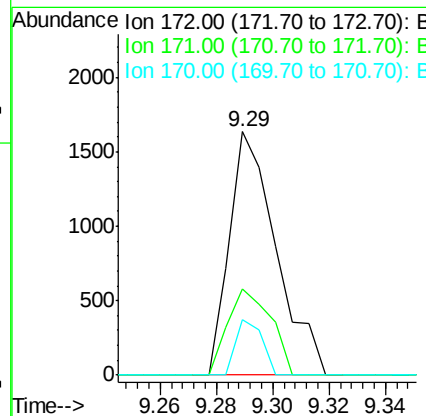
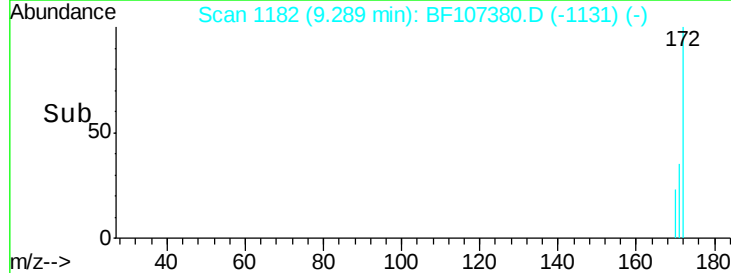
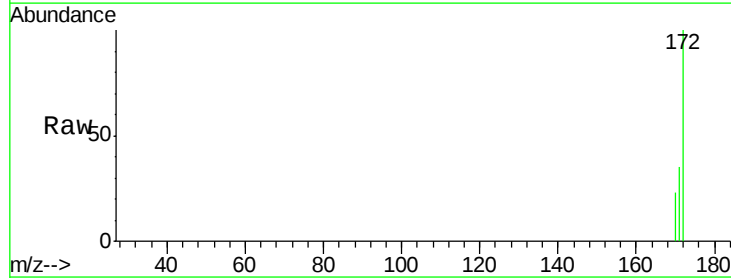
Instrument :  
 BNA\_F  
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 2018-NYSEG-CLARK-ST-PH4-AREA

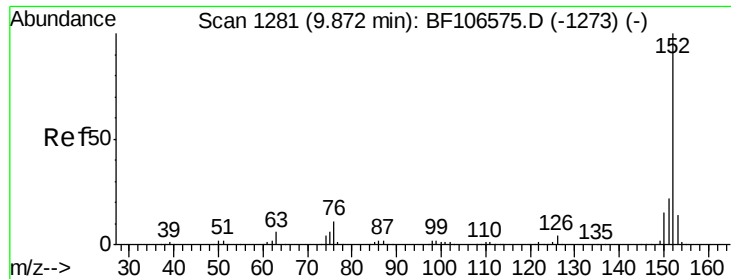
Tgt Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 96.3  
 141 37.4



#44  
 2-Fluorobiphenyl  
 Concen: -17.304 ng  
 RT: 9.29 min Scan# 1182  
 Delta R.T. -0.00 min  
 Lab File: BF107380.D  
 Acq: 13 Jul 2018 21:55

Tgt Ion: 172 Resp: 1874  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 29.7 44.5  
 170 22.7 19.6 29.4





#48

Acenaphthylene

Concen: 5.553 ng

RT: 9.84 min Scan# 1275

Delta R.T. -0.01 min

Lab File: BF107380.D

Acq: 13 Jul 2018 21:55

Instrument :

BNA\_F

ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

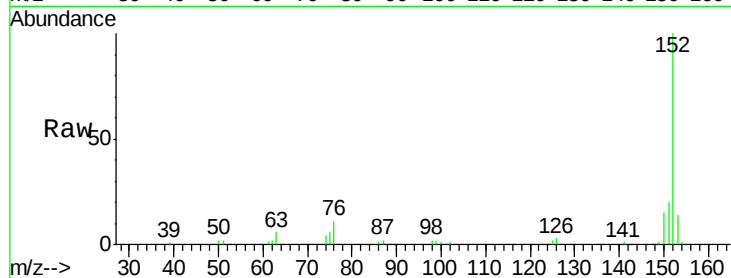
Tgt Ion:152 Resp: 38738

Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

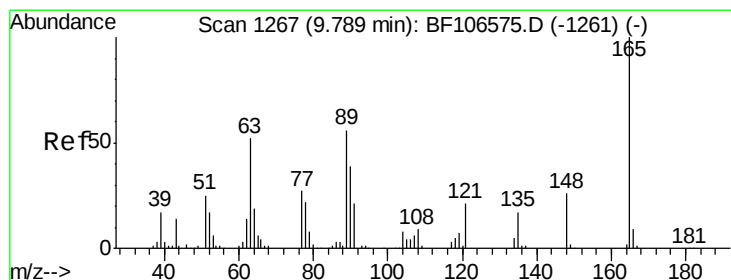
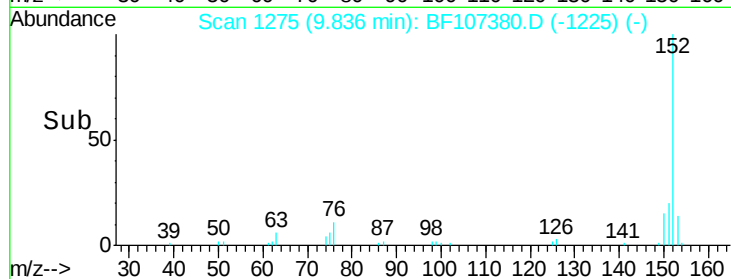
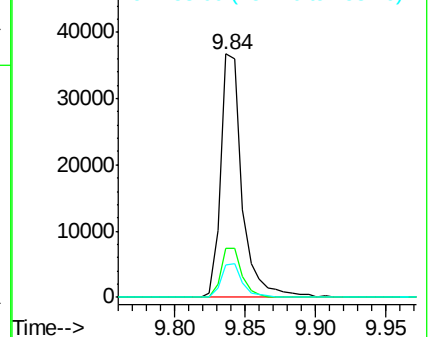
153 13.5 10.7 16.1



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



#50

2,6-Dinitrotoluene

Concen: 7.818 ng

RT: 9.98 min Scan# 1299

Delta R.T. 0.21 min

Lab File: BF107380.D

Acq: 13 Jul 2018 21:55

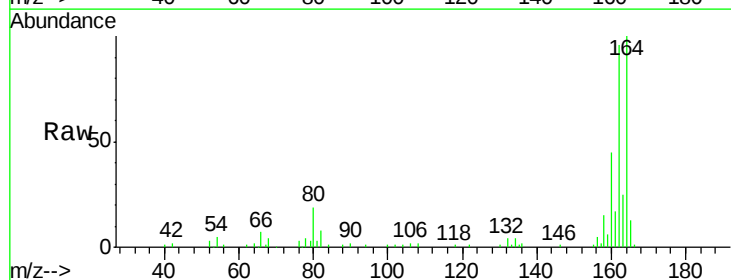
Tgt Ion:165 Resp: 8746

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

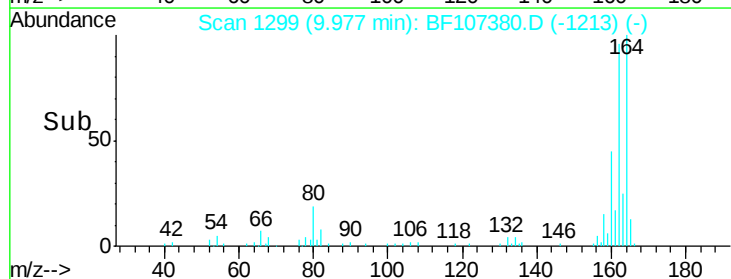
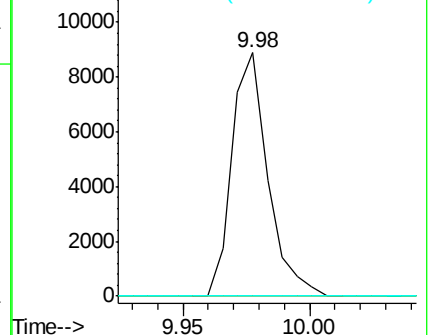
89 0.0 44.0 66.0#

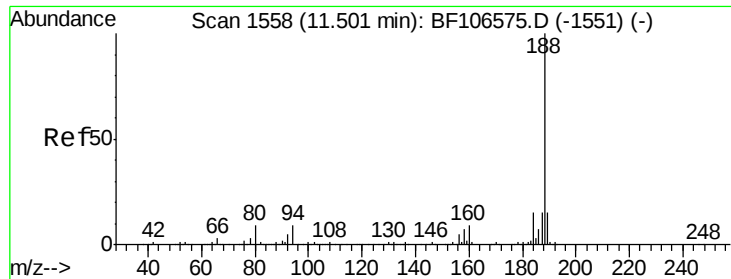


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

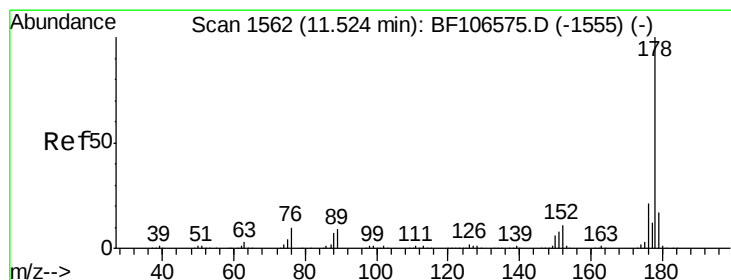
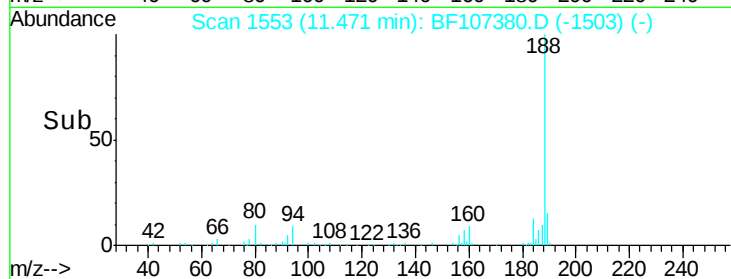
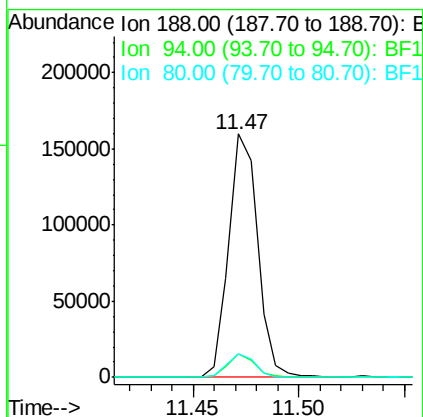
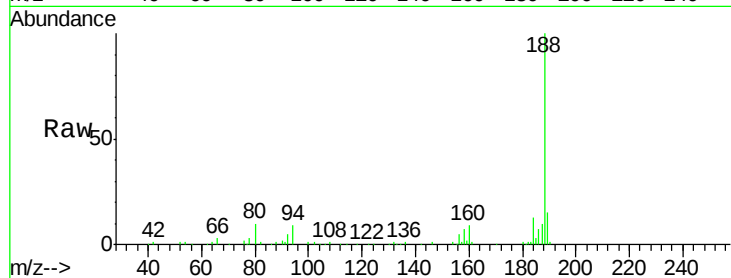




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.47 min Scan# 1553  
Delta R.T. -0.01 min  
Lab File: BF107380.D  
Acq: 13 Jul 2018 21:55

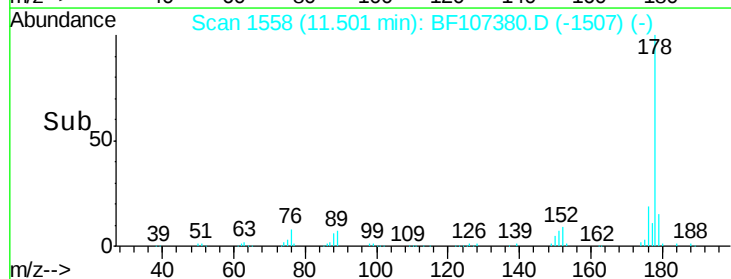
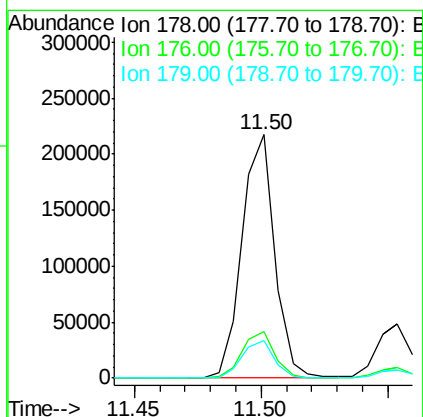
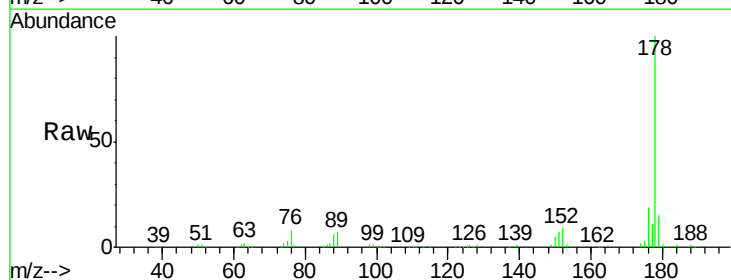
Instrument :  
BNA\_F  
ClientSampleId :  
2018-NYSEG-CLARK-ST-PH4-AREA

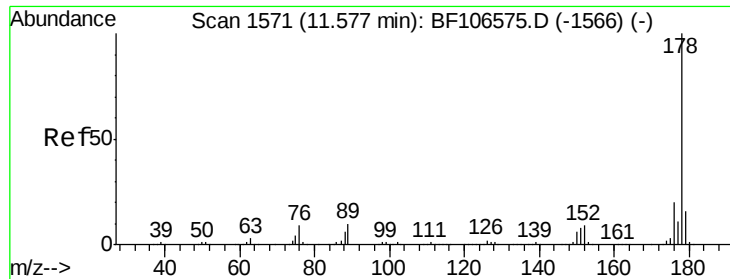
Tgt Ion:188 Resp: 151765  
Ion Ratio Lower Upper  
188 100  
94 9.5 8.5 12.7  
80 9.7 9.2 13.8



#70  
Phenanthrene  
Concen: 26.657 ng  
RT: 11.50 min Scan# 1558  
Delta R.T. -0.00 min  
Lab File: BF107380.D  
Acq: 13 Jul 2018 21:55

Tgt Ion:178 Resp: 195125  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.8 23.8  
179 15.3 13.0 19.6

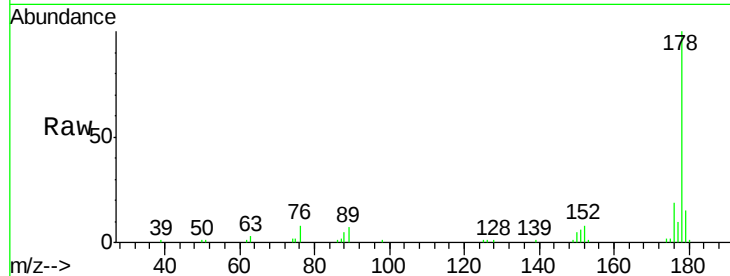




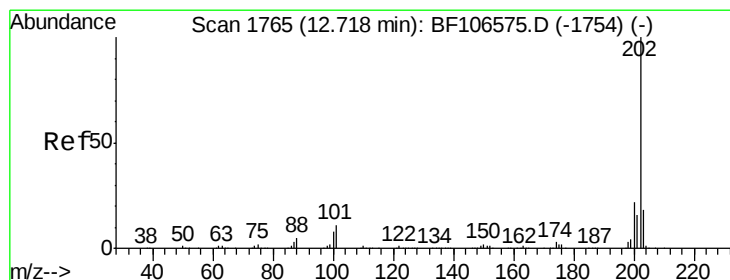
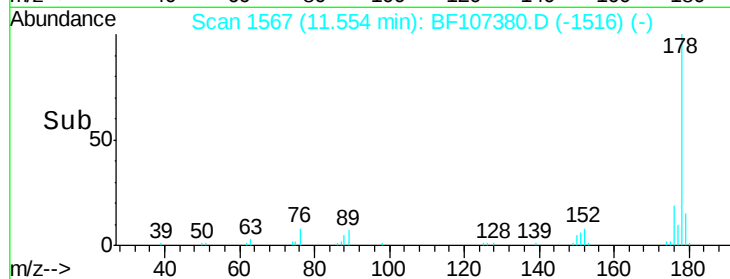
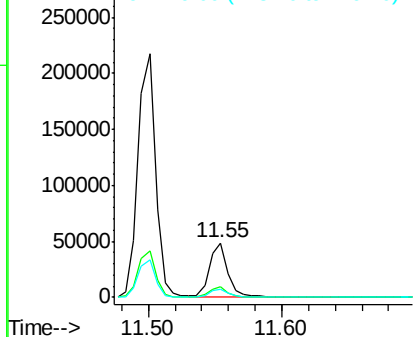
#71  
 Anthracene  
 Concen: 6.430 ng  
 RT: 11.55 min Scan# 1567  
 Delta R.T. -0.00 min  
 Lab File: BF107380.D  
 Acq: 13 Jul 2018 21:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 2018-NYSEG-CLARK-ST-PH4-AREA

Tgt Ion:178 Resp: 48044  
 Ion Ratio Lower Upper  
 178 100  
 176 19.1 15.4 23.2  
 179 15.1 12.6 19.0

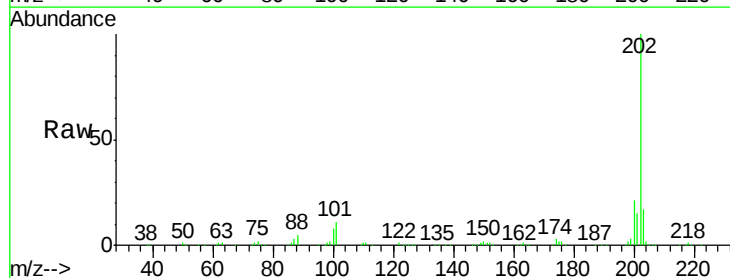


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

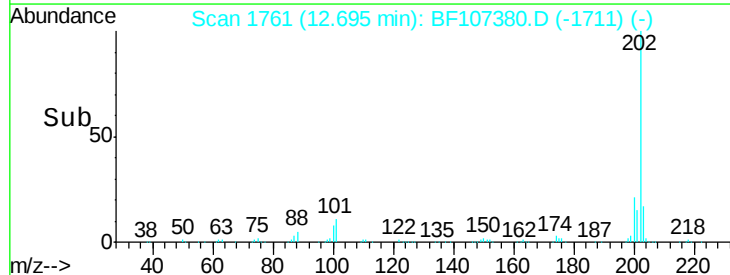
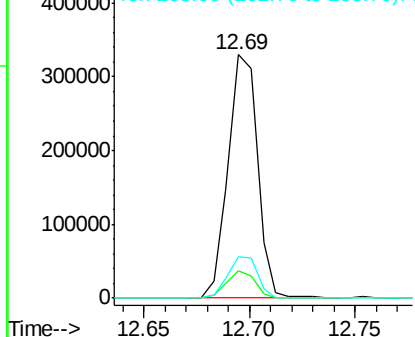


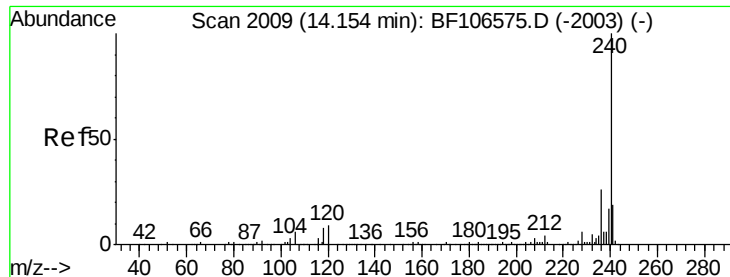
#74  
 Fluoranthene  
 Concen: 39.528 ng  
 RT: 12.69 min Scan# 1761  
 Delta R.T. -0.01 min  
 Lab File: BF107380.D  
 Acq: 13 Jul 2018 21:55

Tgt Ion:202 Resp: 318917  
 Ion Ratio Lower Upper  
 202 100  
 101 11.1 0.0 34.1  
 203 17.1 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF107380.D

Acq: 13 Jul 2018 21:55

Instrument :

BNA\_F

ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

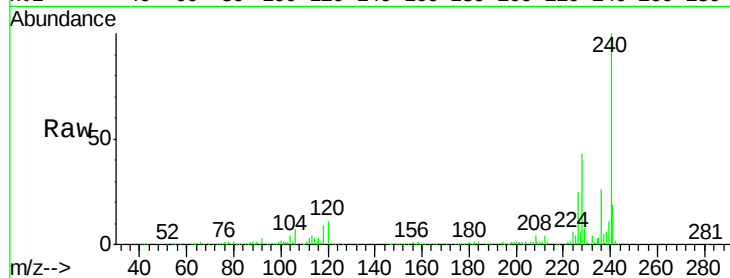
Tgt Ion:240 Resp: 139913

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

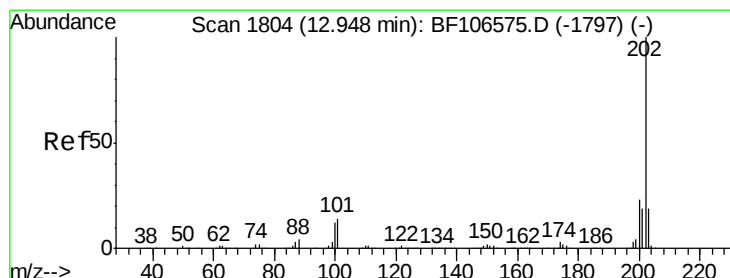
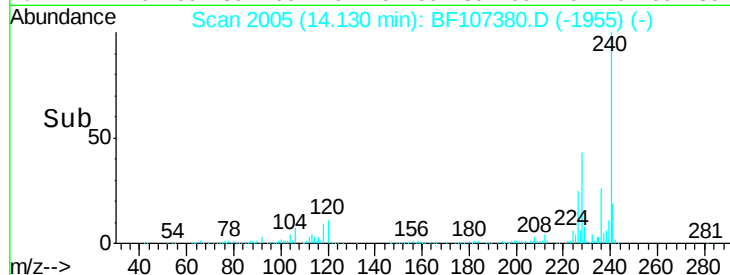
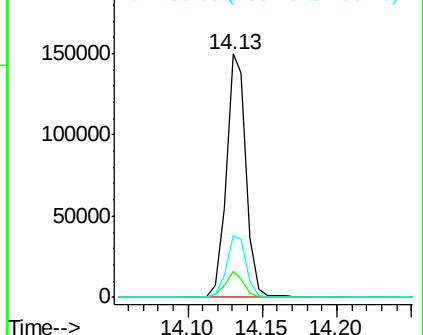
236 25.5 20.7 31.1



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: 48.194 ng

RT: 12.93 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF107380.D

Acq: 13 Jul 2018 21:55

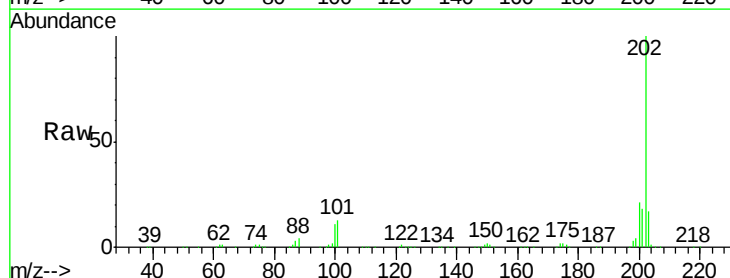
Tgt Ion:202 Resp: 444650

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

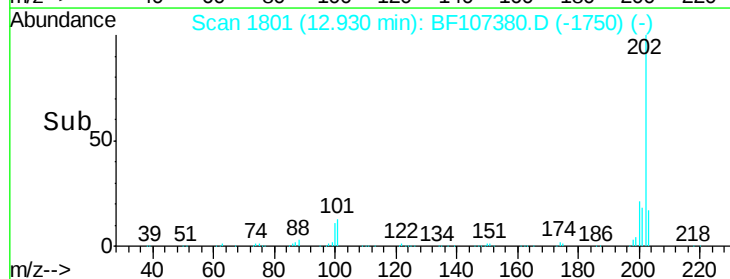
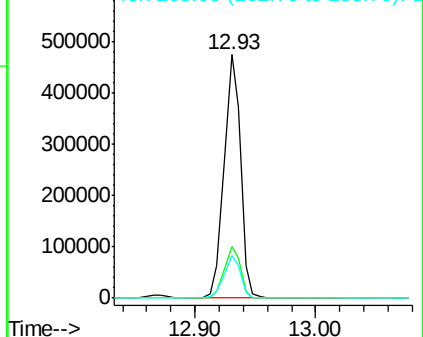
203 17.3 14.3 21.5



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

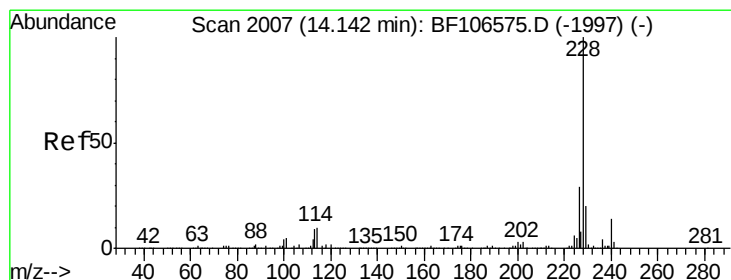
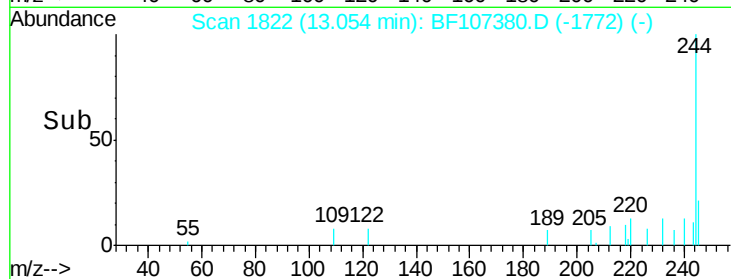
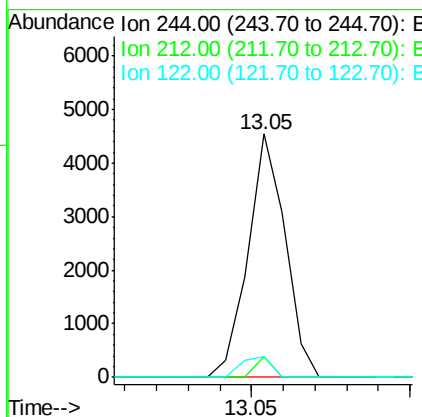
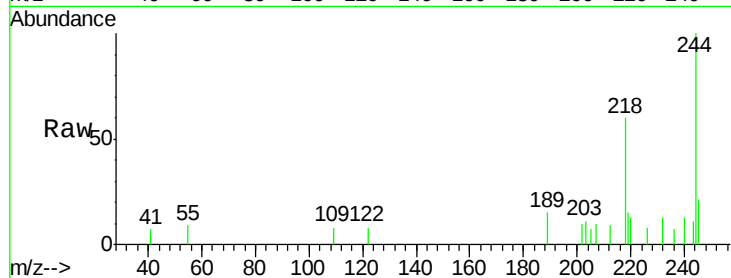




#78  
 Terphenyl-d14  
 Concen: 0.639 ng  
 RT: 13.05 min Scan# 1822  
 Delta R.T. -0.01 min  
 Lab File: BF107380.D  
 Acq: 13 Jul 2018 21:55

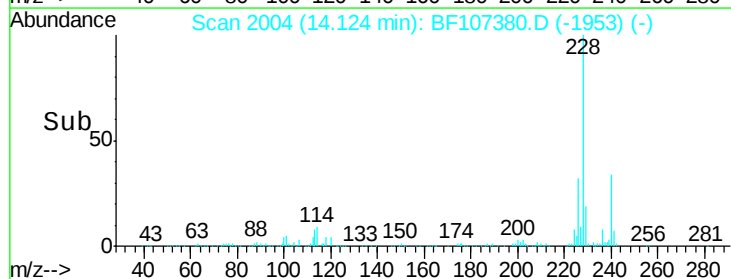
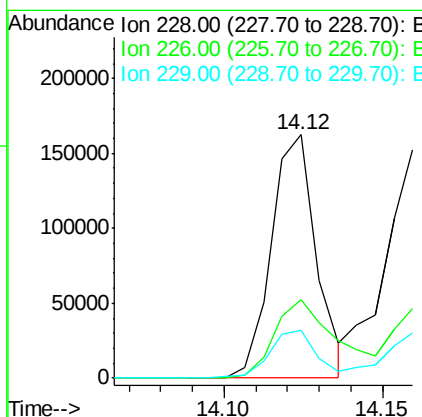
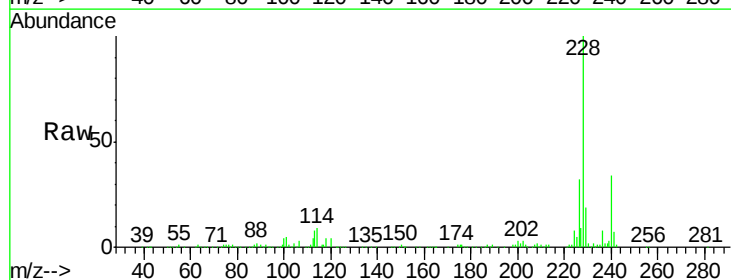
Instrument :  
 BNA\_F  
 ClientSampleId :  
 2018-NYSEG-CLARK-ST-PH4-AREA

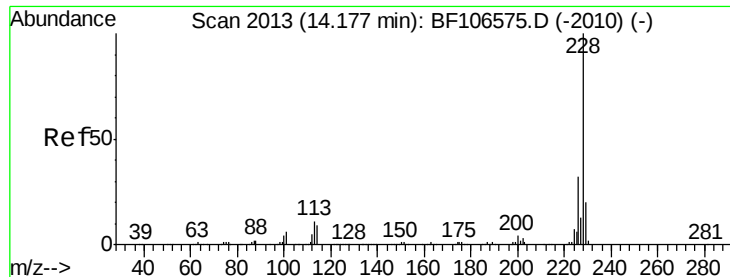
Tgt Ion:244 Resp: 3689  
 Ion Ratio Lower Upper  
 244 100  
 212 8.6 5.4 8.0#  
 122 8.4 11.0 16.4#



#80  
 Benzo(a)anthracene  
 Concen: 18.865 ng  
 RT: 14.12 min Scan# 2004  
 Delta R.T. -0.00 min  
 Lab File: BF107380.D  
 Acq: 13 Jul 2018 21:55

Tgt Ion:228 Resp: 160871  
 Ion Ratio Lower Upper  
 228 100  
 226 32.2 22.6 33.8  
 229 19.4 15.8 23.6





#82

Chrysene

Concen: 18.812 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BF107380.D

Acq: 13 Jul 2018 21:55

Instrument :

BNA\_F

ClientSampleId :

2018-NYSEG-CLARK-ST-PH4-AREA

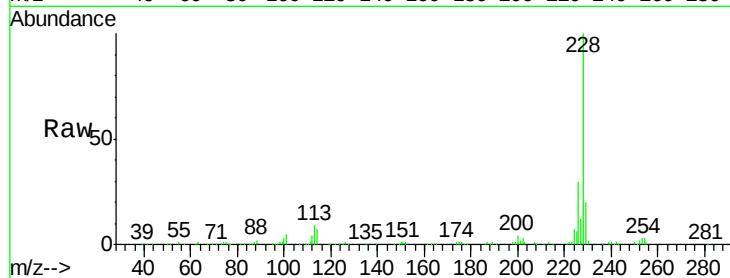
Tgt Ion: 228 Resp: 147583

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

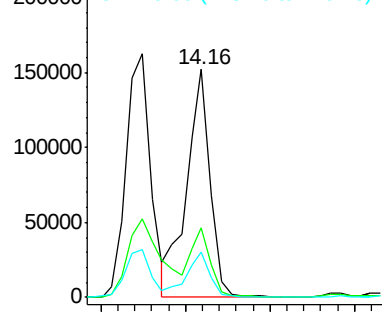
229 19.7 16.2 24.4



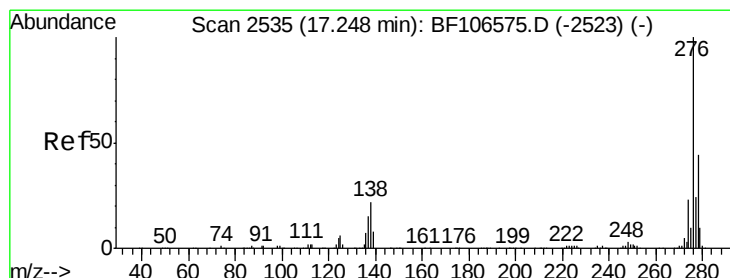
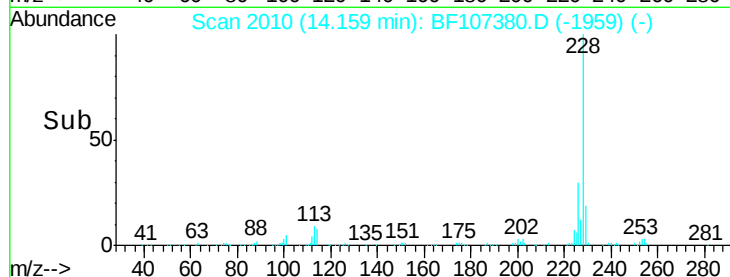
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.327 ng

RT: 17.26 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BF107380.D

Acq: 13 Jul 2018 21:55

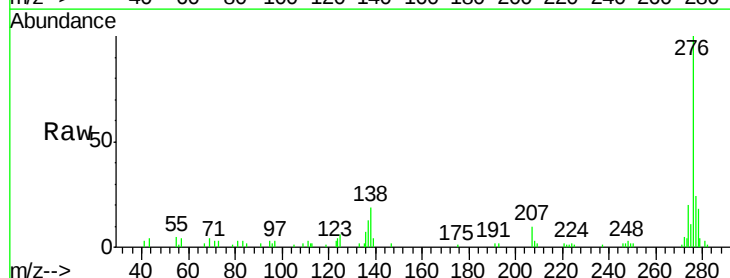
Tgt Ion: 276 Resp: 62092

Ion Ratio Lower Upper

276 100

138 19.2 25.0 37.6#

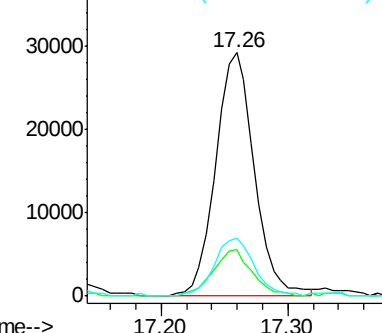
277 24.6 20.1 30.1



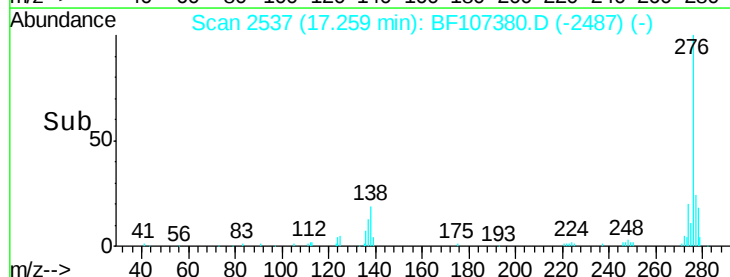
Abundance Ion 276.00 (275.70 to 276.70): E

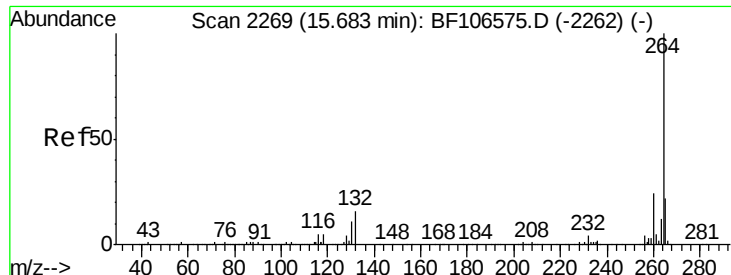
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



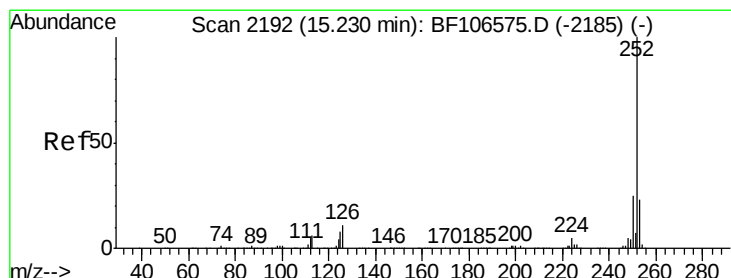
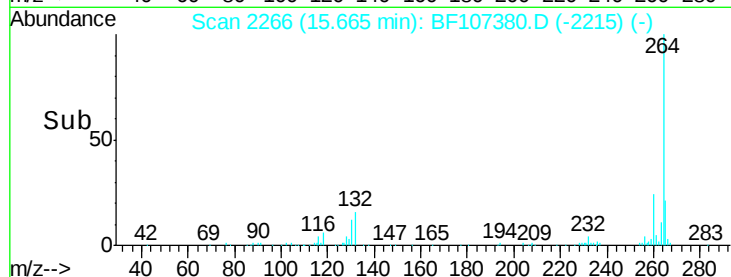
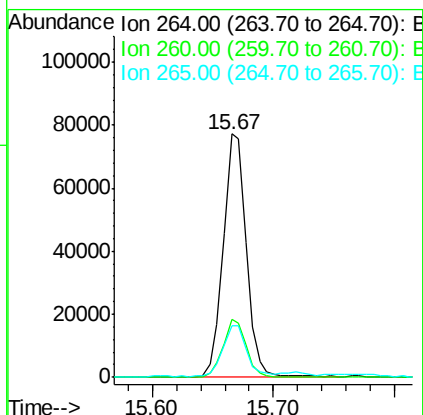
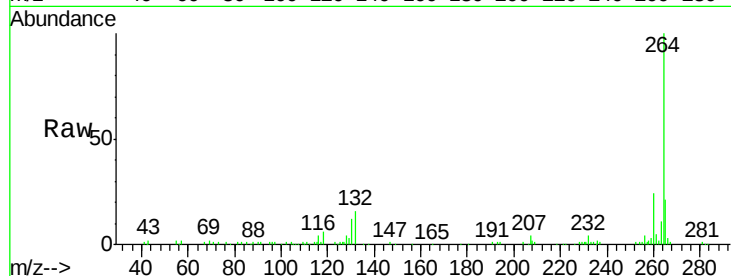


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.67 min Scan# 2266  
Delta R.T. -0.00 min  
Lab File: BF107380.D  
Acq: 13 Jul 2018 21:55

Instrument :  
BNA\_F  
ClientSampleId :  
2018-NYSEG-CLARK-ST-PH4-AREA

Tgt Ion: 264 Resp: 102355  

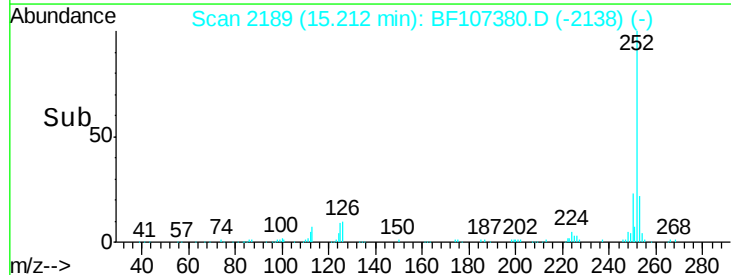
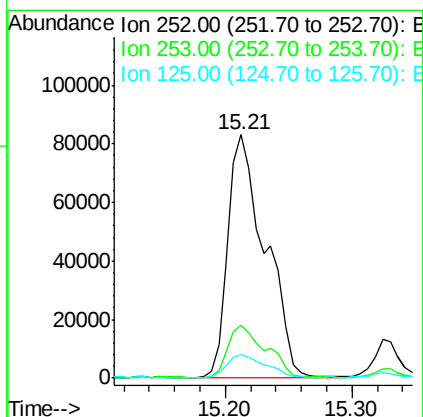
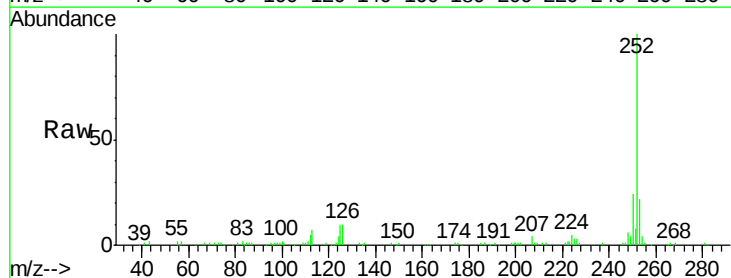
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.6  | 19.2  | 28.8  |
| 265 | 21.2  | 17.5  | 26.3  |

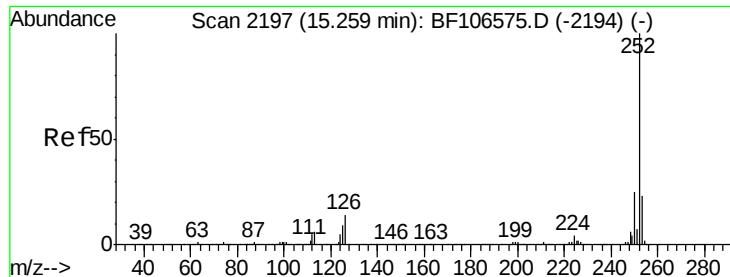


#87  
Benzo(b)fluoranthene  
Concen: 26.772 ng  
RT: 15.21 min Scan# 2189  
Delta R.T. -0.00 min  
Lab File: BF107380.D  
Acq: 13 Jul 2018 21:55

Tgt Ion: 252 Resp: 170225  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.7  | 17.0  | 25.6  |
| 125 | 9.8   | 9.0   | 13.6  |

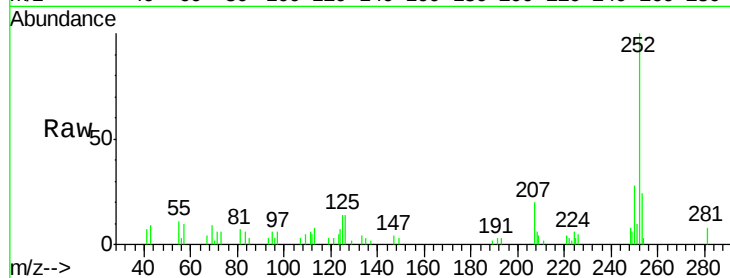




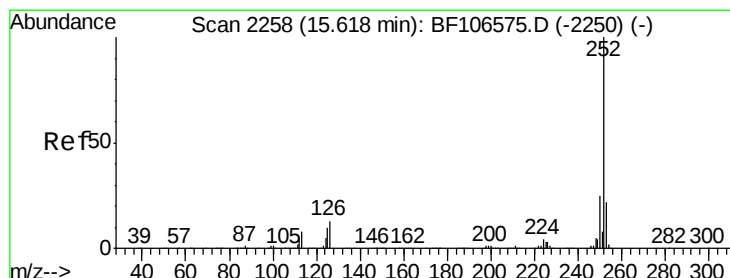
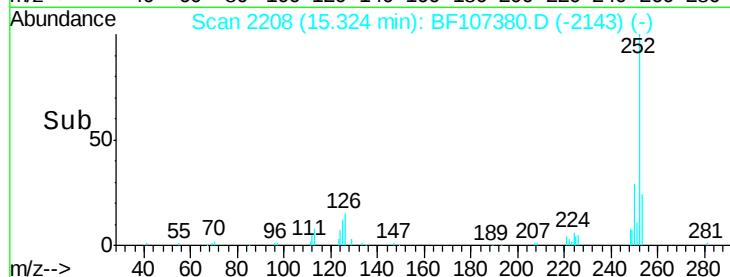
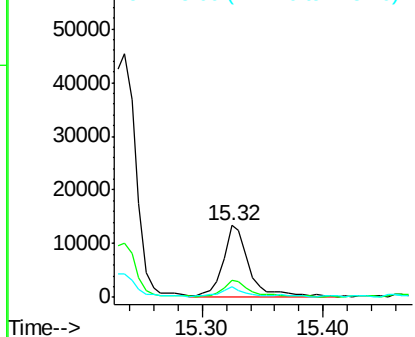
#88  
Benzo(k)fluoranthene  
Concen: 3.405 ng  
RT: 15.32 min Scan# 2208  
Delta R.T. 0.08 min  
Lab File: BF107380.D  
Acq: 13 Jul 2018 21:55

Instrument :  
BNA\_F  
ClientSampleId :  
2018-NYSEG-CLARK-ST-PH4-AREA

Tgt Ion:252 Resp: 20616  
Ion Ratio Lower Upper  
252 100  
253 23.6 17.9 26.9  
125 14.4 10.2 15.2

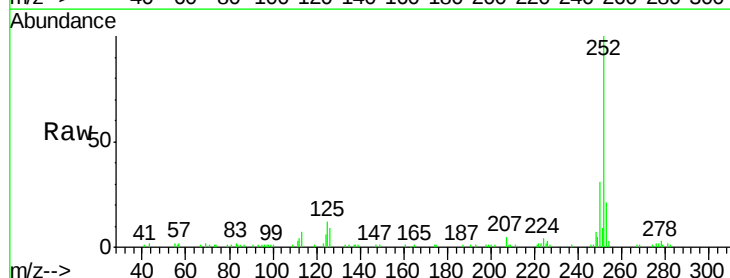


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

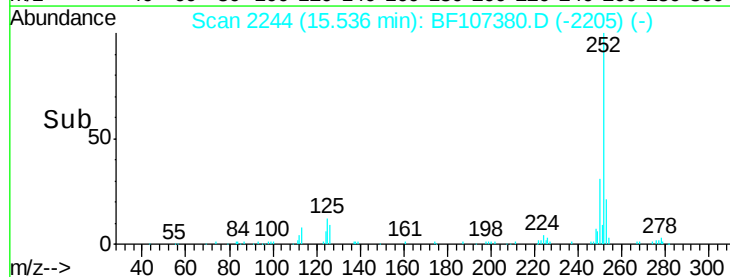
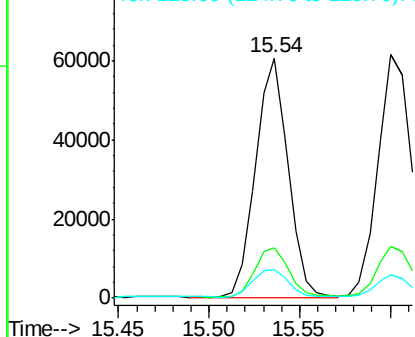


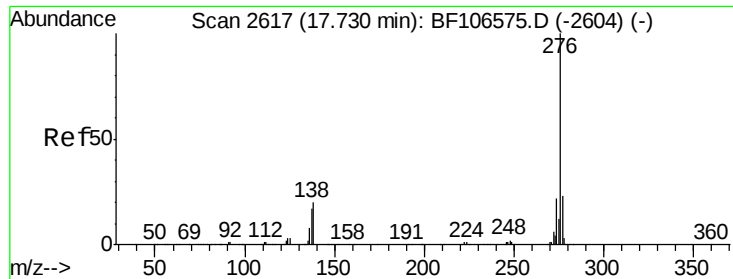
#89  
Benzo(a)pyrene  
Concen: 13.462 ng  
RT: 15.54 min Scan# 2244  
Delta R.T. -0.07 min  
Lab File: BF107380.D  
Acq: 13 Jul 2018 21:55

Tgt Ion:252 Resp: 76092  
Ion Ratio Lower Upper  
252 100  
253 20.9 17.1 25.7  
125 12.1 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

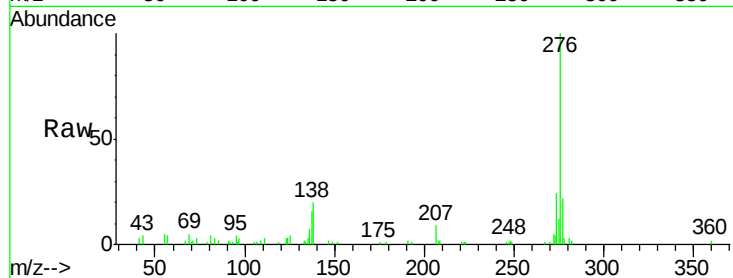




#91  
 Benzo(g,h,i)perylene  
 Concen: 14.807 ng  
 RT: 17.75 min Scan# 2620  
 Delta R.T. -0.00 min  
 Lab File: BF107380.D  
 Acq: 13 Jul 2018 21:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 2018-NYSEG-CLARK-ST-PH4-AREA

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.3  | 17.9  | 26.9  |
| 138     | 19.8  | 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

