

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF073119\  
 Data File : BF115877.D  
 Acq On : 31 Jul 2019 20:20  
 Operator : HP/JU  
 Sample : K4049-11  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-11

Quant Time: Aug 01 04:57:56 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 31 15:31:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 138406   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 513267   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.89  | 164  | 247653   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.38 | 188  | 356795   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.03 | 240  | 296989   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.50 | 264  | 371834   | 20.00 | ng    | 0.00     |

|                             |       |     |        |       |    |      |
|-----------------------------|-------|-----|--------|-------|----|------|
| System Monitoring Compounds |       |     |        |       |    |      |
| 5) 2-Fluorophenol           | 5.47  | 112 | 750585 | 90.79 | ng | 0.00 |
| 7) Phenol-d6                | 6.49  | 99  | 972364 | 93.22 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.41  | 82  | 593732 | 66.77 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.68 | 330 | 185679 | 77.33 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.21  | 172 | 896195 | 67.78 | ng | 0.00 |
| 79) Terphenyl-d14           | 12.96 | 244 | 675544 | 47.93 | ng | 0.00 |

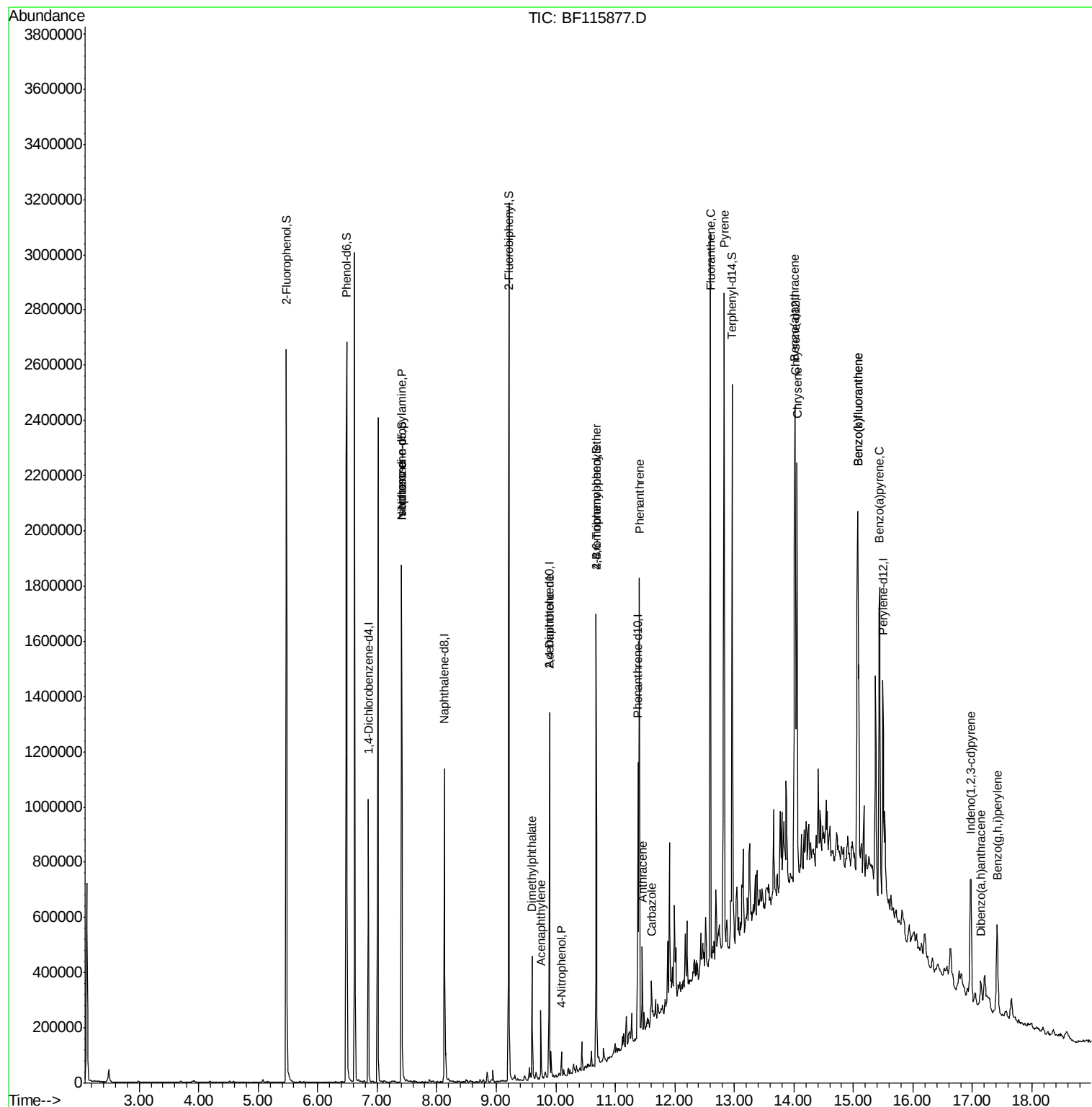
|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70  | 79198   | 12.252 | ng | # 79 |
| 25) Isophorone                 | 7.41  | 82  | 590701  | 34.742 | ng | # 66 |
| 49) Acenaphthylene             | 9.75  | 152 | 96991   | 4.569  | ng | 98   |
| 50) Dimethylphthalate          | 9.60  | 163 | 165288  | 9.802  | ng | 99   |
| 56) 4-Nitrophenol              | 10.10 | 139 | 10966   | 3.781  | ng | # 15 |
| 57) 2,4-Dinitrotoluene         | 9.89  | 165 | 32990   | 6.762  | ng | # 25 |
| 67) 4-Bromophenyl-phenylether  | 10.68 | 248 | 11557   | 3.026  | ng | # 1  |
| 71) Phenanthrene               | 11.40 | 178 | 588730  | 32.277 | ng | 100  |
| 72) Anthracene                 | 11.45 | 178 | 120992  | 6.554  | ng | 98   |
| 73) Carbazole                  | 11.61 | 167 | 64928   | 3.877  | ng | 99   |
| 75) Fluoranthene               | 12.60 | 202 | 1044216 | 54.684 | ng | 100  |
| 78) Pyrene                     | 12.83 | 202 | 982847  | 43.902 | ng | 100  |
| 81) Benzo(a)anthracene         | 14.02 | 228 | 579513  | 30.529 | ng | 93   |
| 83) Chrysene                   | 14.05 | 228 | 574400  | 31.168 | ng | 98   |
| 86) Indeno(1,2,3-cd)pyrene     | 16.97 | 276 | 300867  | 19.438 | ng | 96   |
| 88) Benzo(b)fluoranthene       | 15.07 | 252 | 1051765 | 48.920 | ng | # 95 |
| 89) Benzo(k)fluoranthene       | 15.07 | 252 | 1051765 | 50.225 | ng | 99   |
| 90) Benzo(a)pyrene             | 15.44 | 252 | 545411  | 28.378 | ng | 97   |
| 91) Dibenzo(a,h)anthracene     | 17.14 | 278 | 60561   | 3.640  | ng | 96   |
| 92) Benzo(g,h,i)perylene       | 17.42 | 276 | 270525  | 16.558 | ng | 98   |

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

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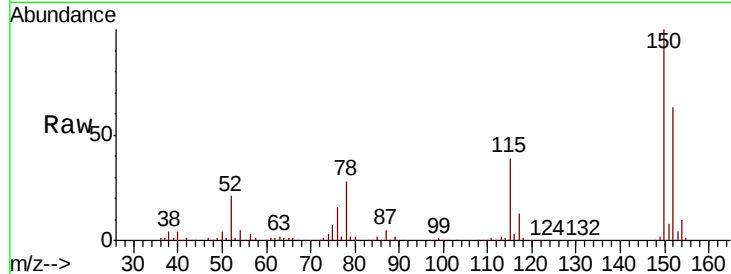


#1

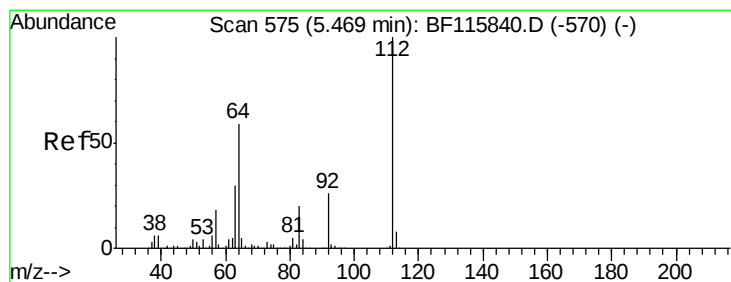
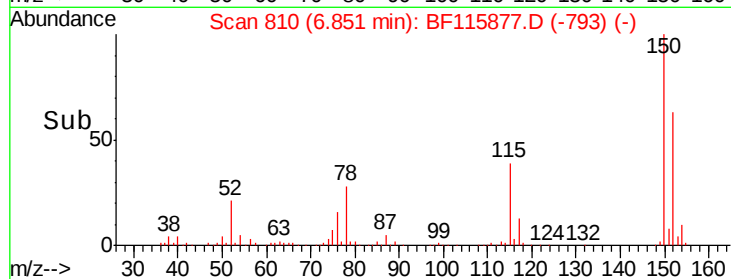
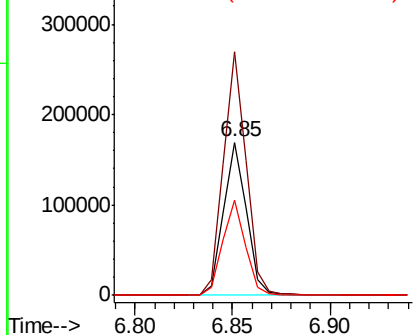
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. -0.00 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

Instrument :  
BNA\_F  
ClientSampleId :  
SP-11

Tgt Ion:152 Resp: 138406  
Ion Ratio Lower Upper  
152 100  
150 158.9 127.4 191.0  
115 62.2 51.8 77.8



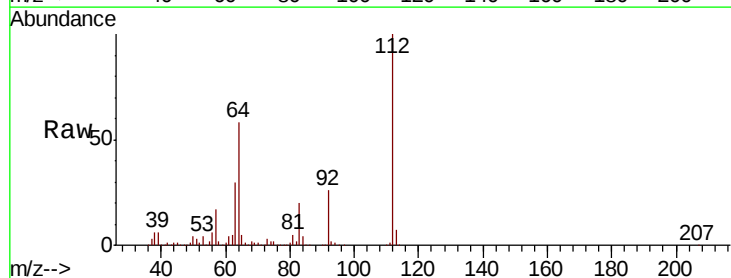
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



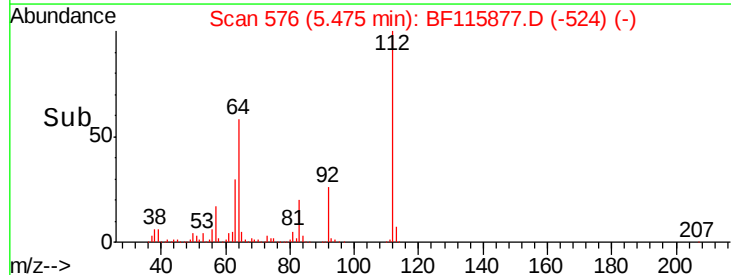
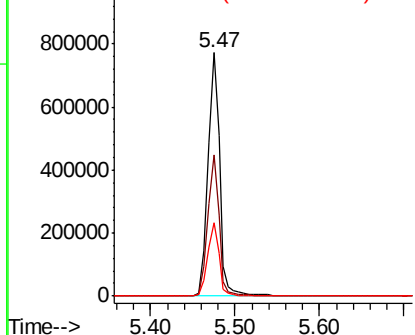
#5

2-Fluorophenol  
Concen: 90.785 ng  
RT: 5.47 min Scan# 576  
Delta R.T. 0.01 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

Tgt Ion:112 Resp: 750585  
Ion Ratio Lower Upper  
112 100  
64 57.8 46.8 70.2  
63 30.1 24.2 36.2



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: 93.218 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Instrument :

BNA\_F

ClientSampleId :

SP-11

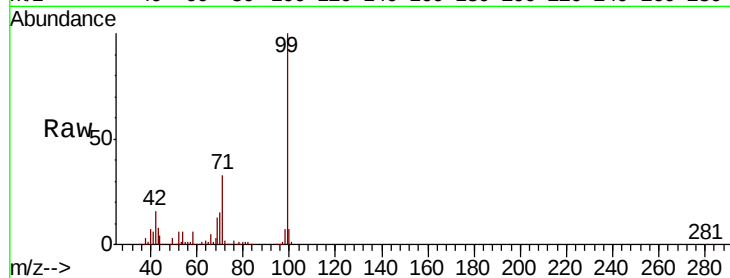
Tgt Ion: 99 Resp: 972364

Ion Ratio Lower Upper

99 100

42 16.3 13.8 20.6

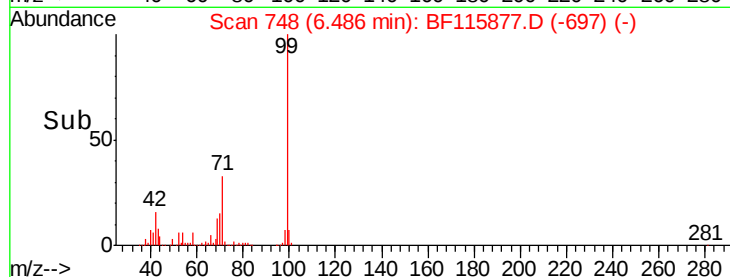
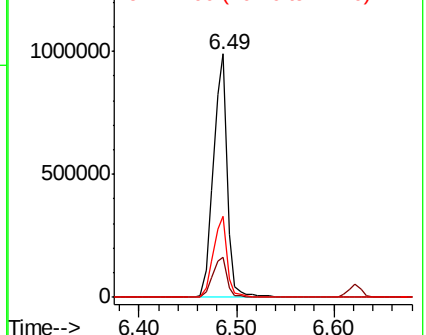
71 33.4 27.1 40.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.252 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Tgt Ion: 70 Resp: 79198

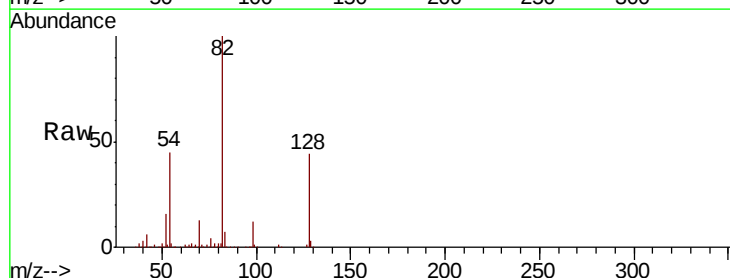
Ion Ratio Lower Upper

70 100

42 44.3 41.8 62.8

101 0.0 7.7 11.5#

130 2.0 17.8 26.6#

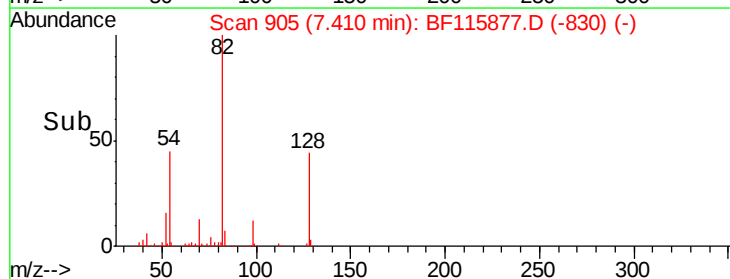
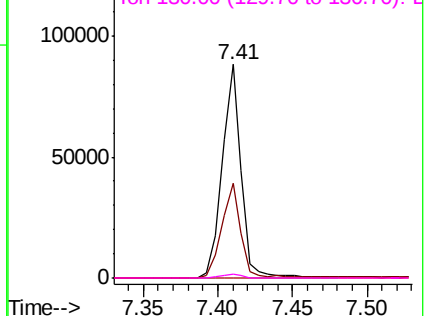


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

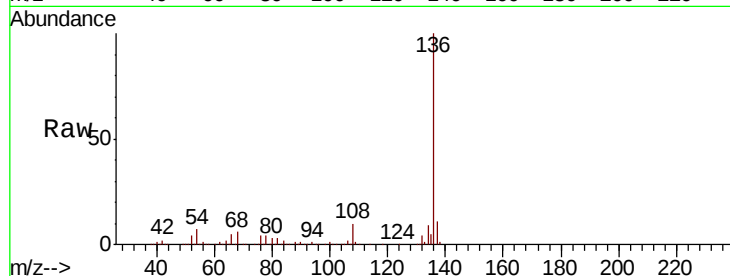




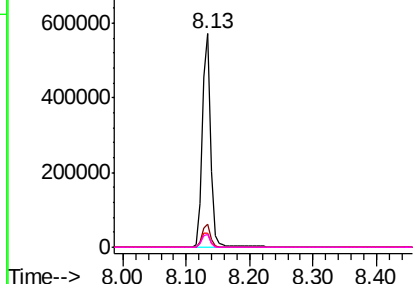
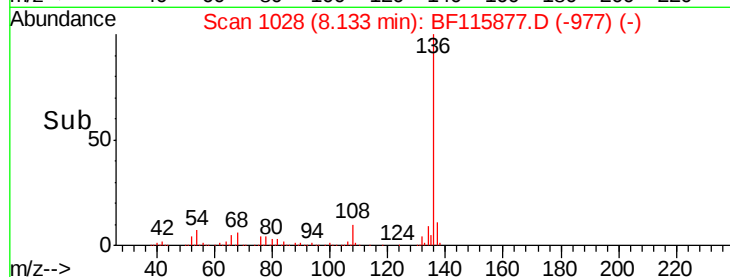
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1028  
Delta R.T. -0.00 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

Instrument :  
BNA\_F  
ClientSampleId :  
SP-11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 513267 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 9.1   | 13.7   |
| 54       | 6.6   | 6.1   | 9.1    |
| 68       | 5.8   | 5.4   | 8.2    |

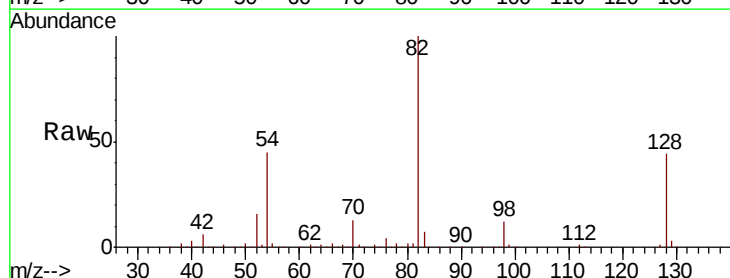


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

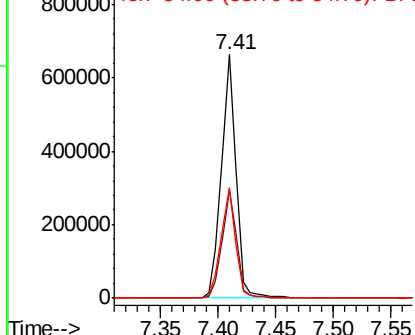
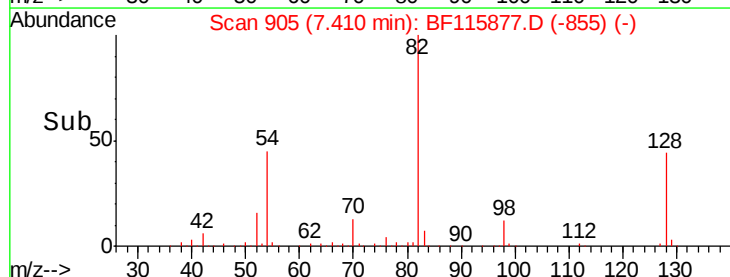


#23  
Nitrobenzene-d5  
Concen: 66.772 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 593732 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.4  | 36.6  | 55.0   |
| 54       | 45.4  | 36.6  | 55.0   |



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

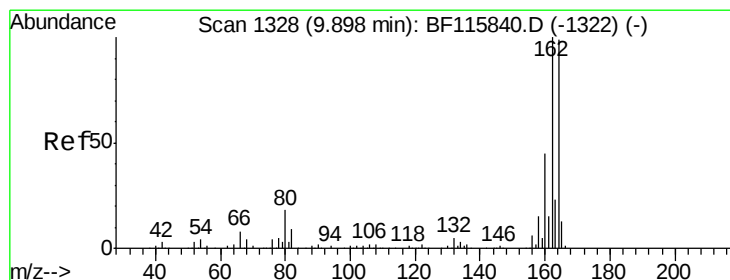
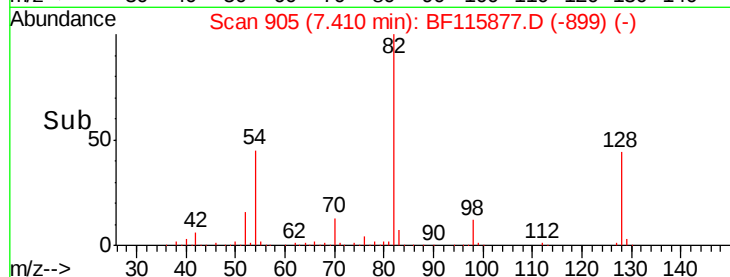
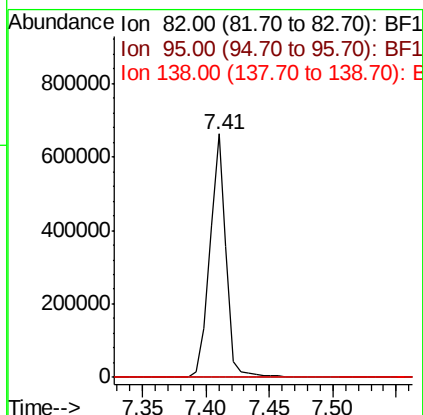
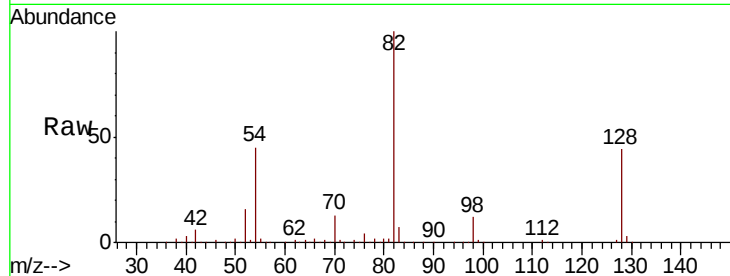




#25  
Isophorone  
Concen: 34.742 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.26 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

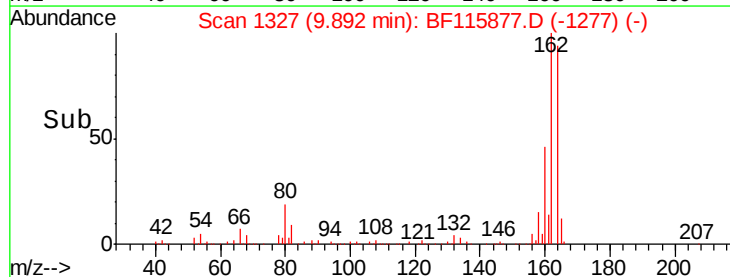
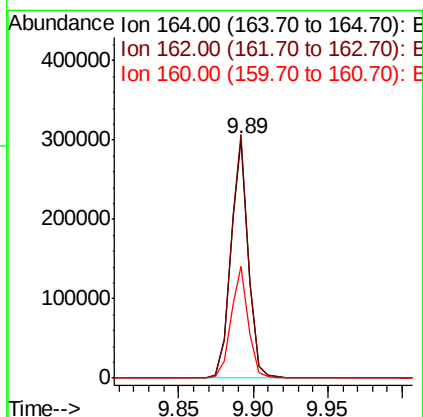
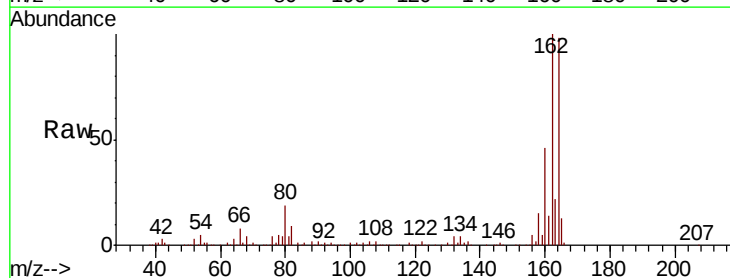
Instrument :  
BNA\_F  
ClientSampleId :  
SP-11

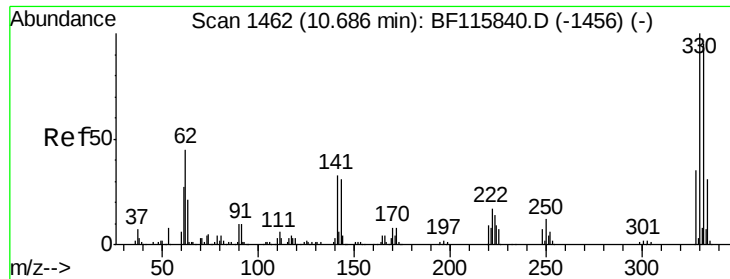
Tgt Ion: 82 Resp: 590701  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.9 20.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

Tgt Ion: 164 Resp: 247653  
Ion Ratio Lower Upper  
164 100  
162 101.9 80.8 121.2  
160 46.7 36.2 54.4

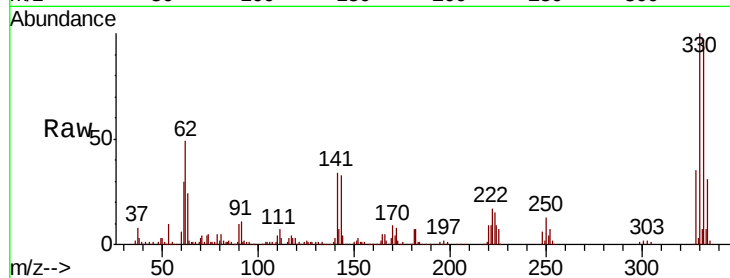




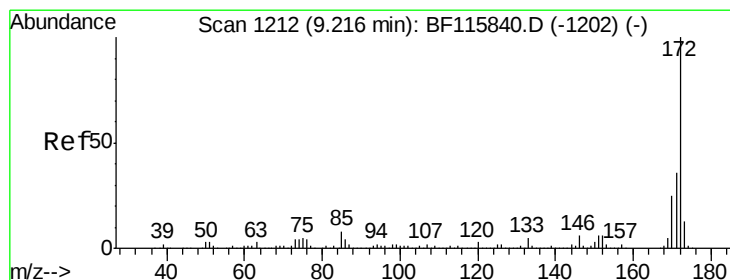
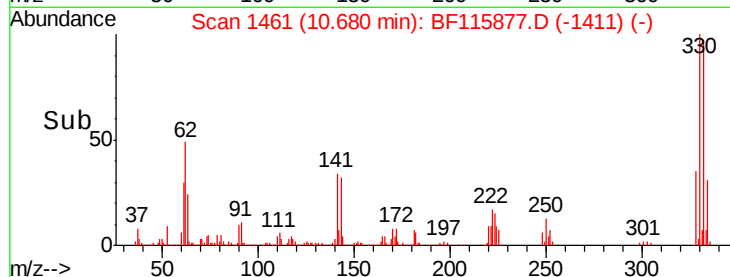
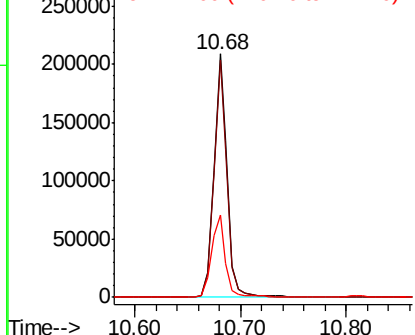
#42  
 2,4,6-Tribromophenol  
 Concen: 77.332 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.01 min  
 Lab File: BF115877.D  
 Acq: 31 Jul 2019 20:20

Instrument :  
 BNA\_F  
 ClientSampled :  
 SP-11

Tgt Ion:330 Resp: 185679  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.7 116.5  
 141 36.4 28.1 42.1

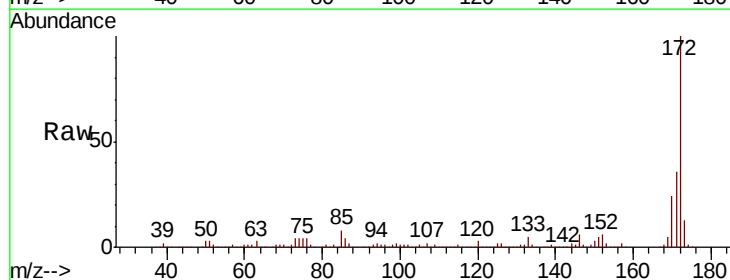


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

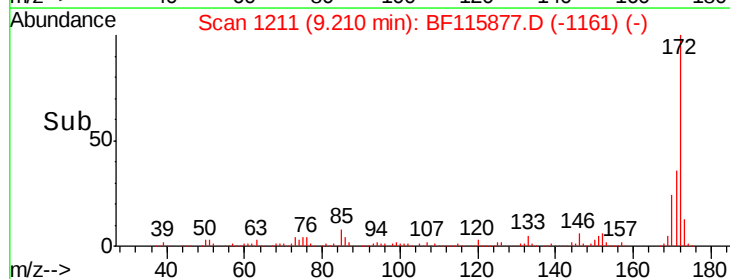
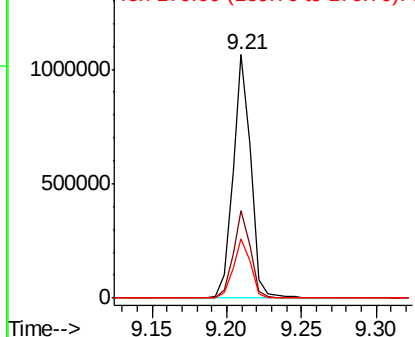


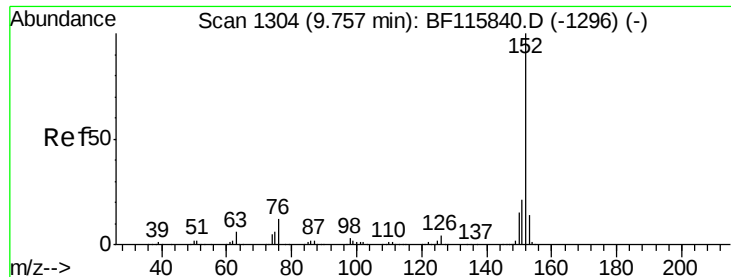
#45  
 2-Fluorobiphenyl  
 Concen: 67.782 ng  
 RT: 9.21 min Scan# 1211  
 Delta R.T. -0.01 min  
 Lab File: BF115877.D  
 Acq: 31 Jul 2019 20:20

Tgt Ion:172 Resp: 896195  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.1 43.7  
 170 24.4 20.1 30.1



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

Acenaphthylene

Concen: 4.569 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Instrument :

BNA\_F

ClientSampleId :

SP-11

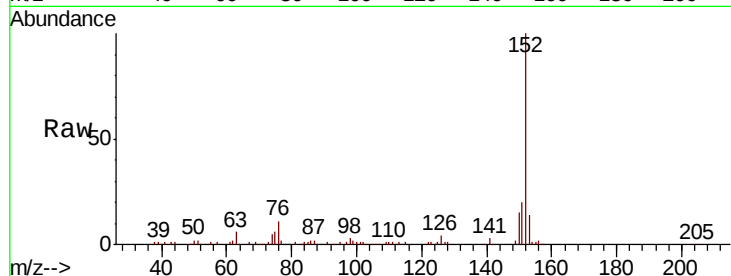
Tgt Ion:152 Resp: 96991

Ion Ratio Lower Upper

152 100

151 19.6 16.8 25.2

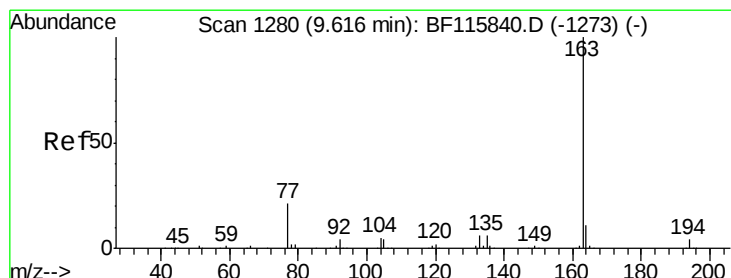
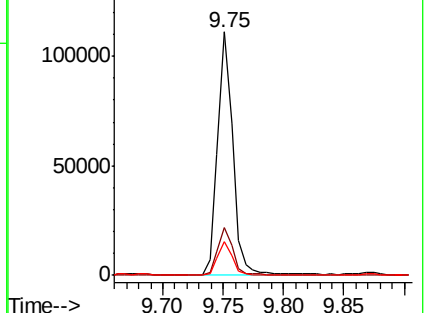
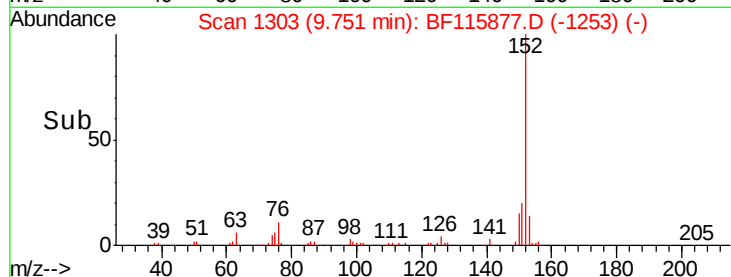
153 13.8 11.6 17.4



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

Dimethylphthalate

Concen: 9.802 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

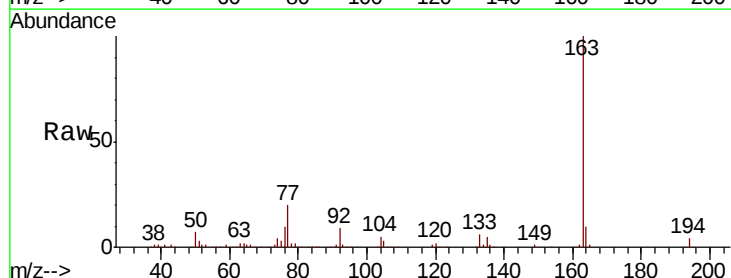
Tgt Ion:163 Resp: 165288

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

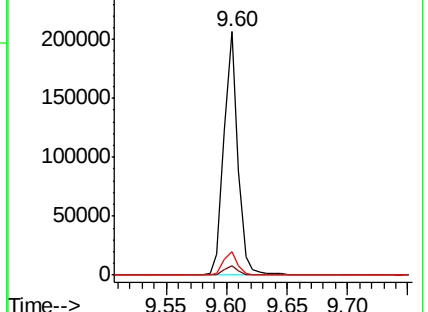
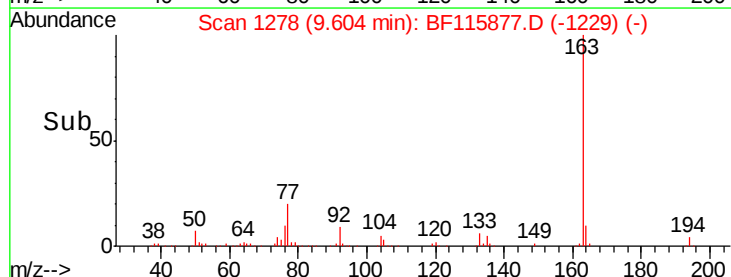
164 9.8 8.4 12.6

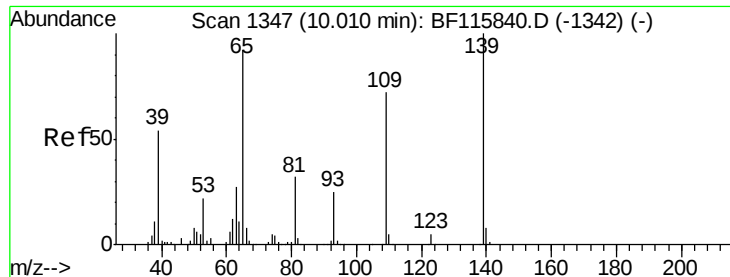


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

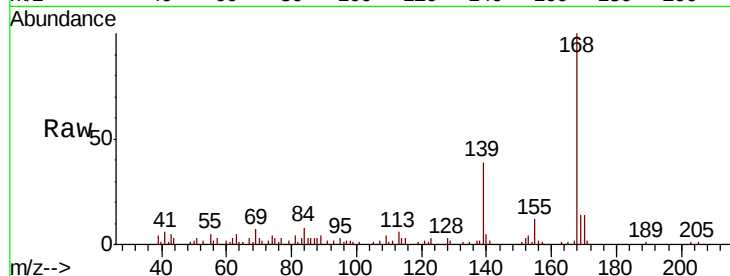




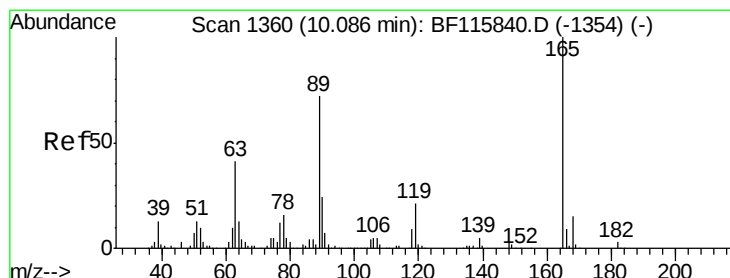
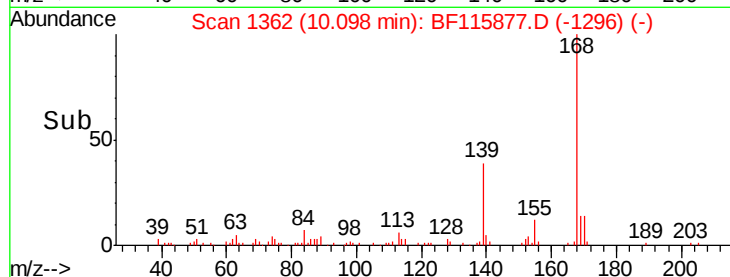
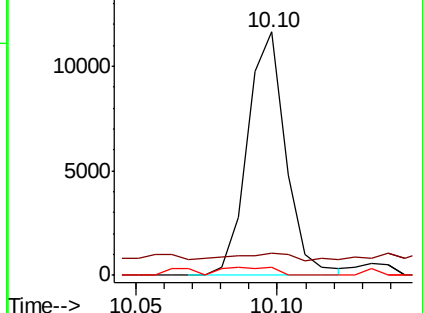
#56  
4-Nitrophenol  
Concen: 3.781 ng  
RT: 10.10 min Scan# 1362  
Delta R.T. 0.09 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

Instrument :  
BNA\_F  
ClientSampleId :  
SP-11

Tgt Ion:139 Resp: 10966  
Ion Ratio Lower Upper  
139 100  
109 9.2 52.0 92.0#  
65 3.2 72.6 112.6#

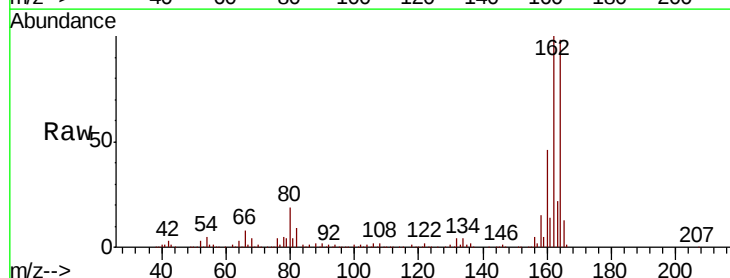


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

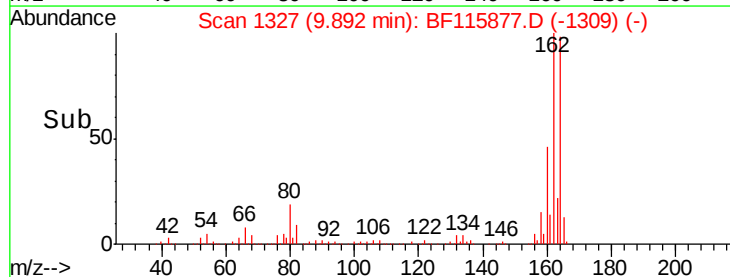
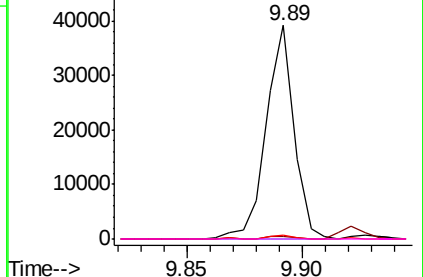


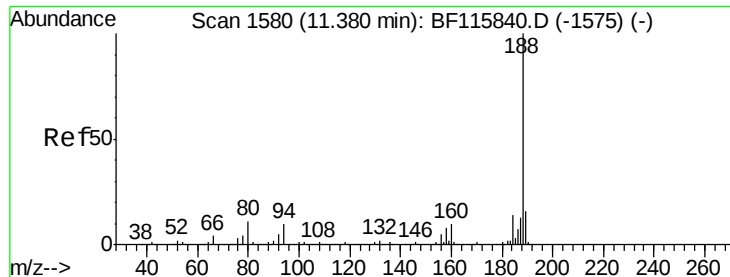
#57  
2,4-Dinitrotoluene  
Concen: 6.762 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.19 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

Tgt Ion:165 Resp: 32990  
Ion Ratio Lower Upper  
165 100  
63 1.2 33.2 49.8#  
89 1.7 57.3 85.9#  
182 0.0 2.1 3.1#



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  
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Instrument :

BNA\_F

ClientSampleId :

SP-11

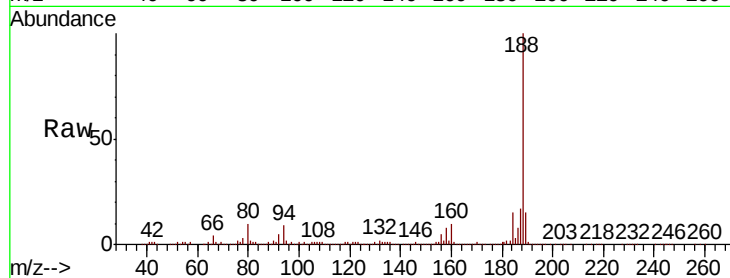
Tgt Ion:188 Resp: 356795

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

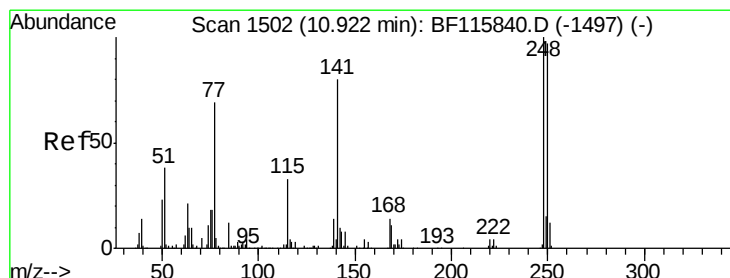
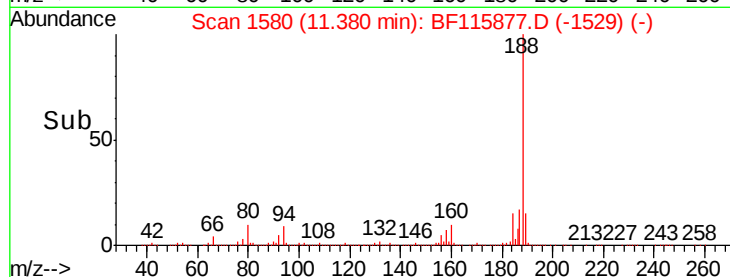
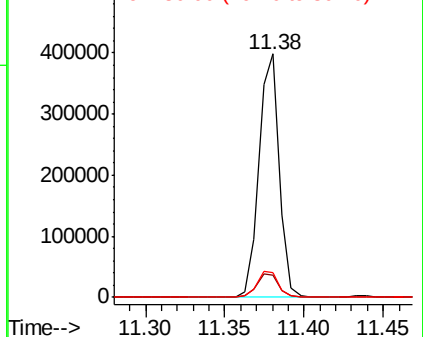
80 10.0 8.6 12.8



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



#67

4-Bromophenyl-phenylether

Concen: 3.026 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.24 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

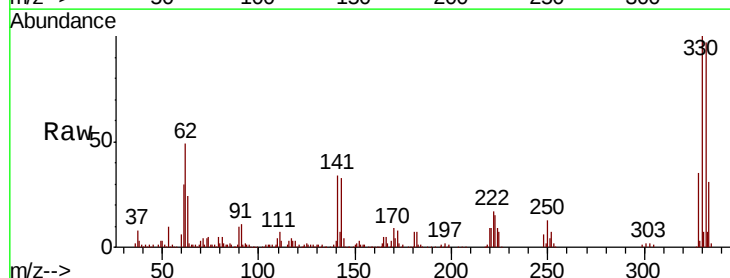
Tgt Ion:248 Resp: 11557

Ion Ratio Lower Upper

248 100

250 199.7 77.8 116.6#

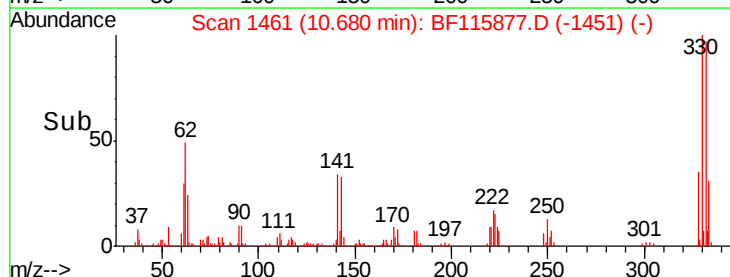
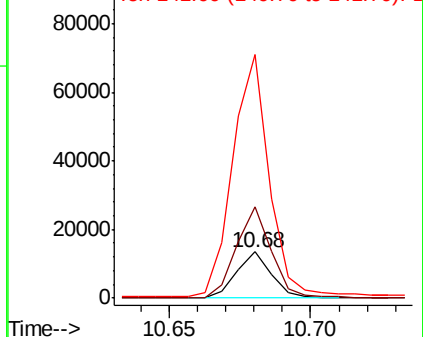
141 529.7 64.3 96.5#

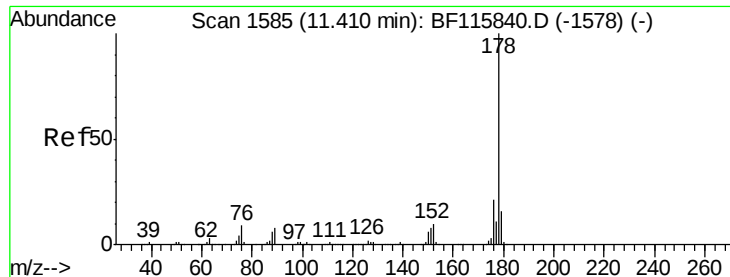


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 32.277 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Instrument :

BNA\_F

ClientSampleId :

SP-11

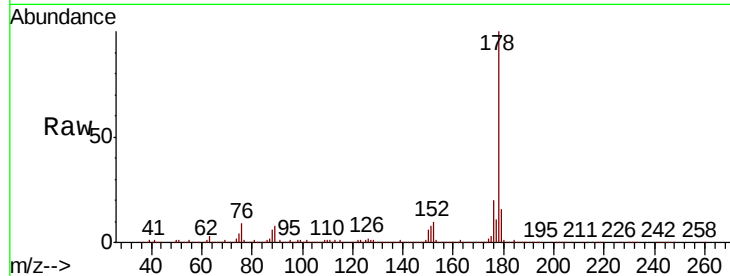
Tgt Ion:178 Resp: 588730

Ion Ratio Lower Upper

178 100

176 20.3 16.5 24.7

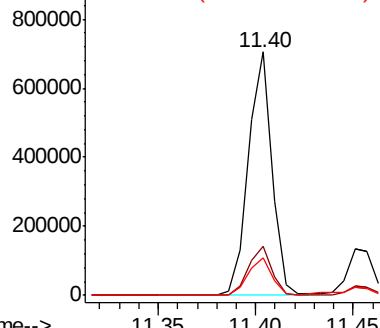
179 15.7 12.6 18.8



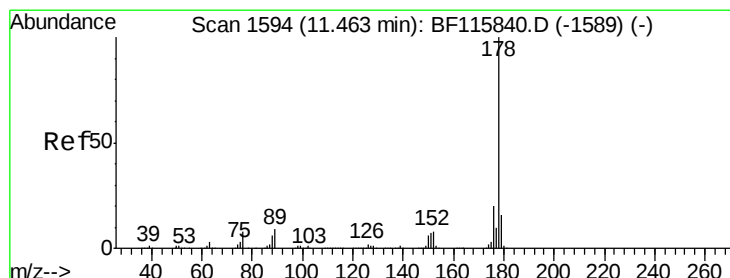
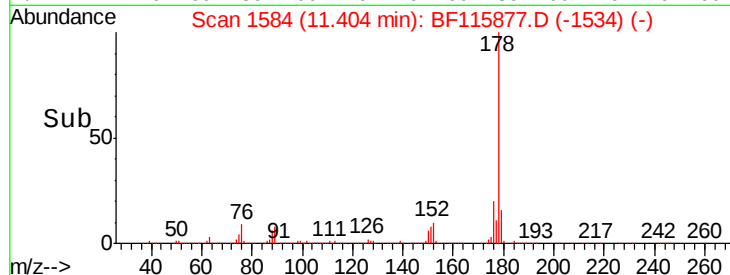
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Anthracene

Concen: 6.554 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

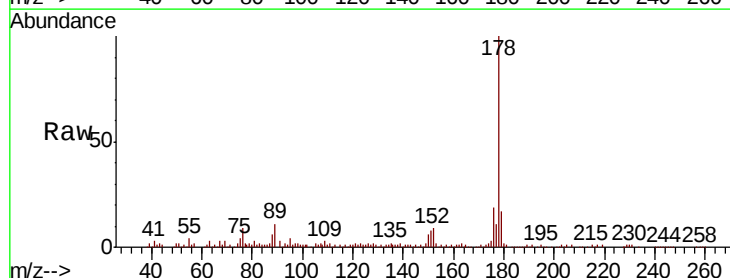
Tgt Ion:178 Resp: 120992

Ion Ratio Lower Upper

178 100

176 19.1 15.7 23.5

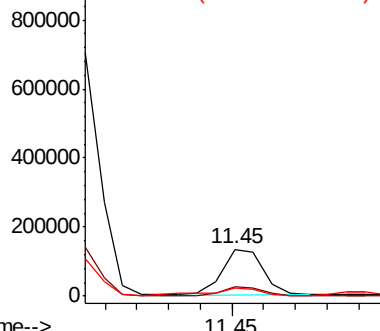
179 16.6 12.4 18.6



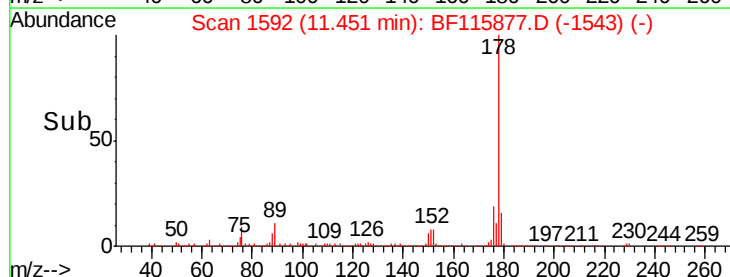
Abundance Ion 178.00 (177.70 to 178.70): E

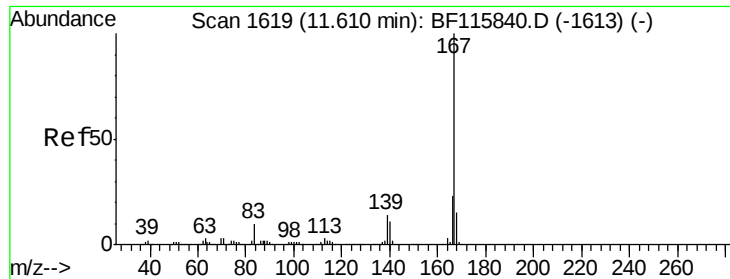
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#73

Carbazole

Concen: 3.877 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Instrument :

BNA\_F

ClientSampleId :

SP-11

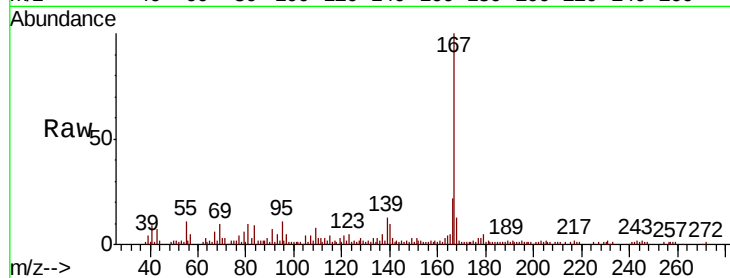
Tgt Ion:167 Resp: 64928

Ion Ratio Lower Upper

167 100

166 22.3 18.0 27.0

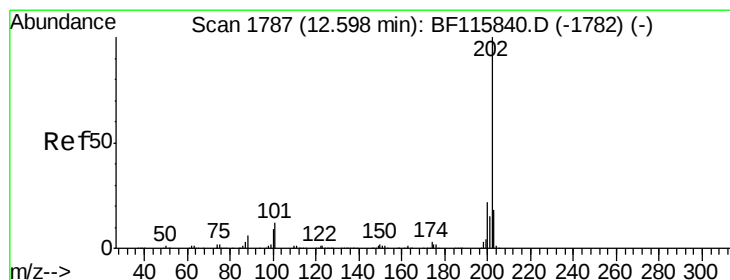
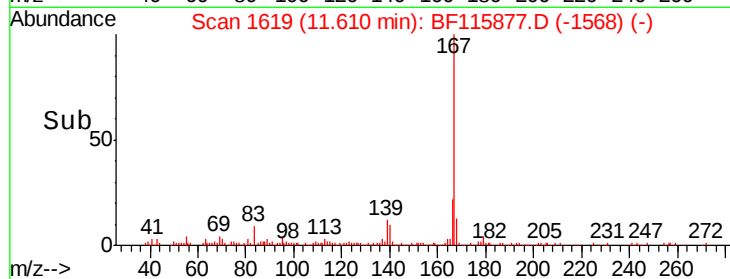
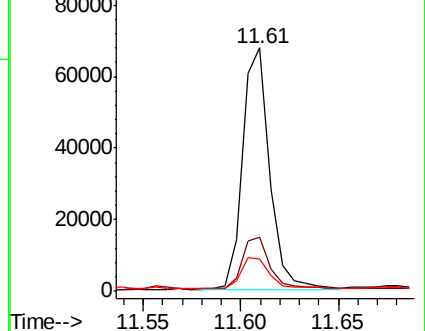
139 13.1 11.4 17.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 54.684 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

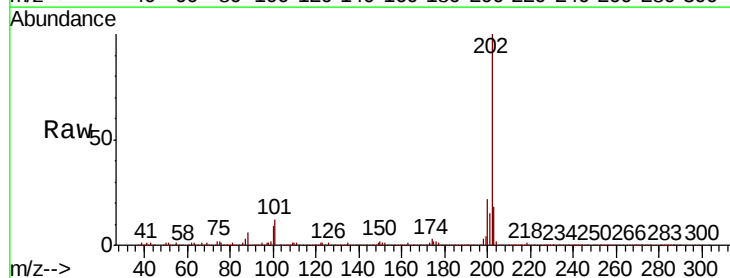
Tgt Ion:202 Resp: 1044216

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.5

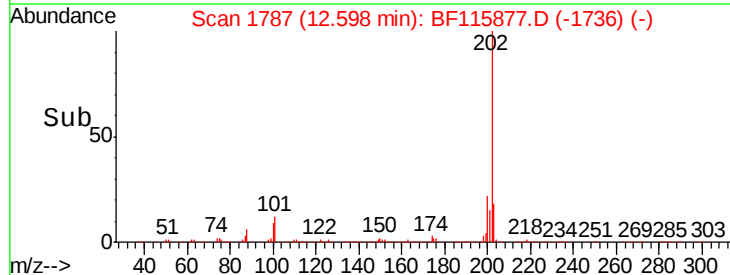
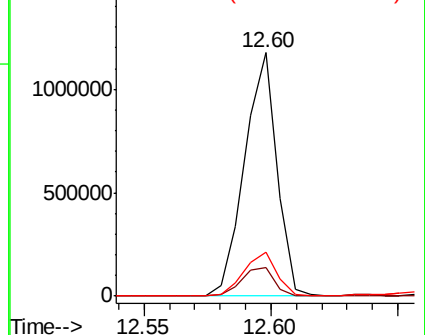
203 18.0 0.0 37.9

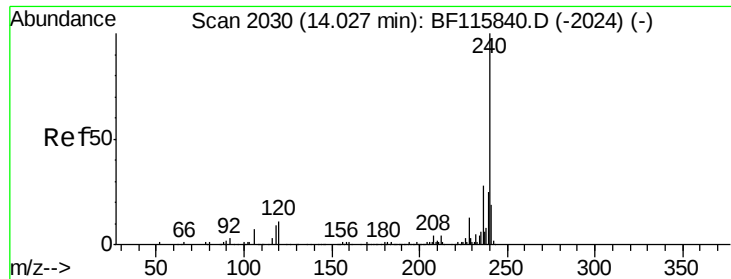


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

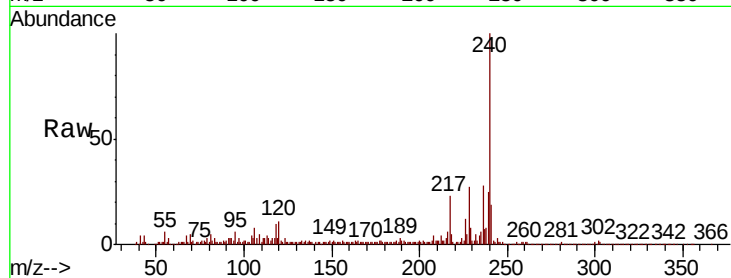




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.03 min Scan# 2030  
Delta R.T. -0.00 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

Instrument :  
BNA\_F  
ClientSampleId :  
SP-11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.2  | 8.5   | 12.7  |
| 236     | 27.6  | 22.2  | 33.2  |

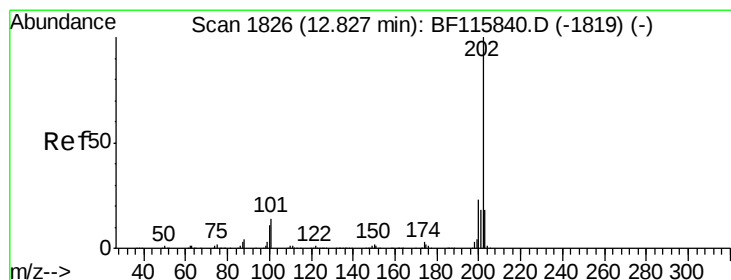
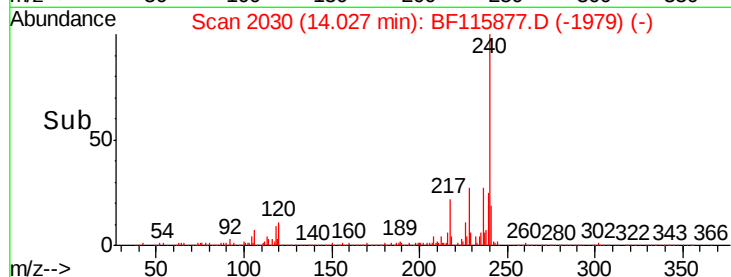
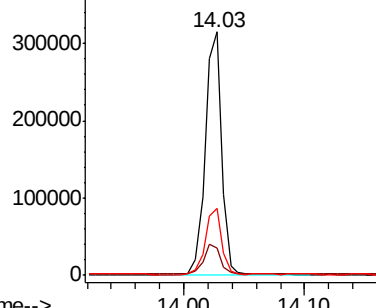


Abundance

Ion 240.00 (239.70 to 240.70): E

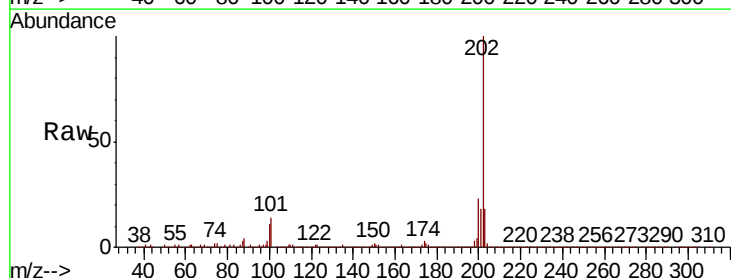
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78  
Pyrene  
Concen: 43.902 ng  
RT: 12.83 min Scan# 1826  
Delta R.T. -0.00 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.7  | 18.2  | 27.2  |
| 203     | 18.4  | 14.3  | 21.5  |

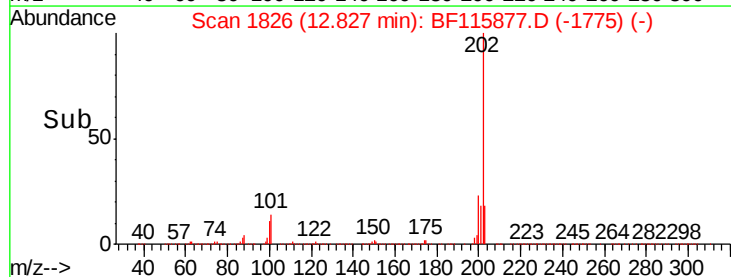
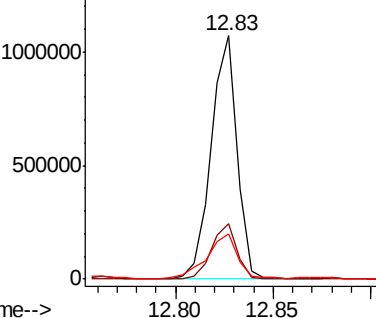


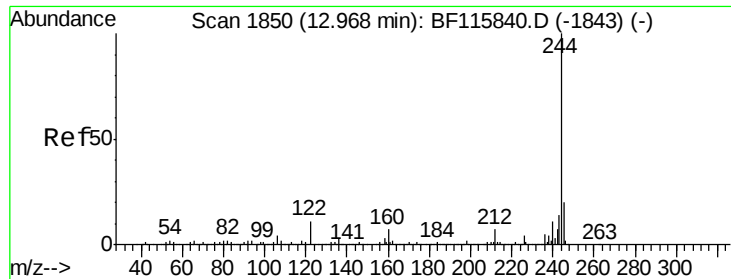
Abundance

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

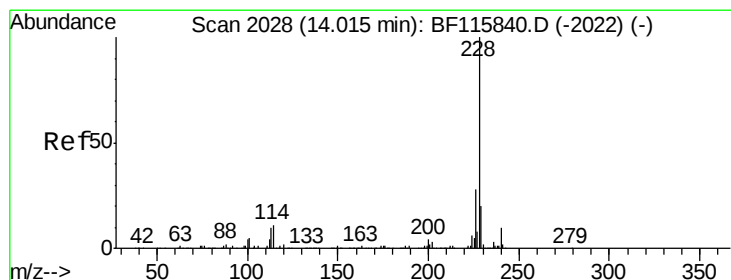
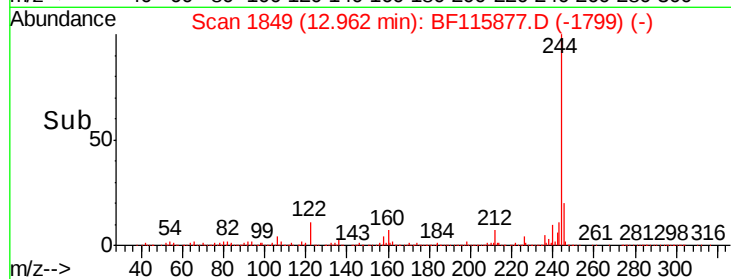
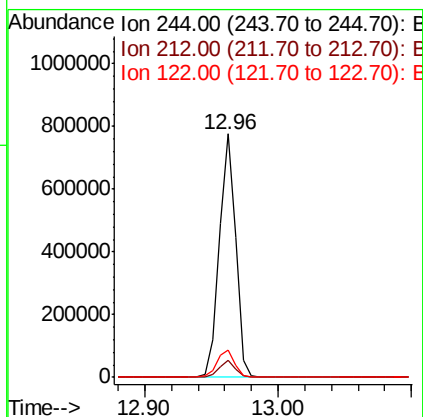
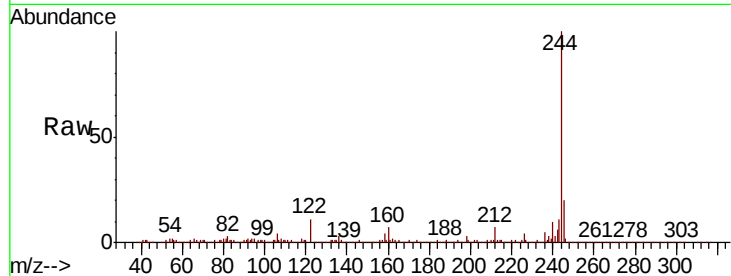




#79  
 Terphenyl-d14  
 Concen: 47.930 ng  
 RT: 12.96 min Scan# 1849  
 Delta R.T. -0.01 min  
 Lab File: BF115877.D  
 Acq: 31 Jul 2019 20:20

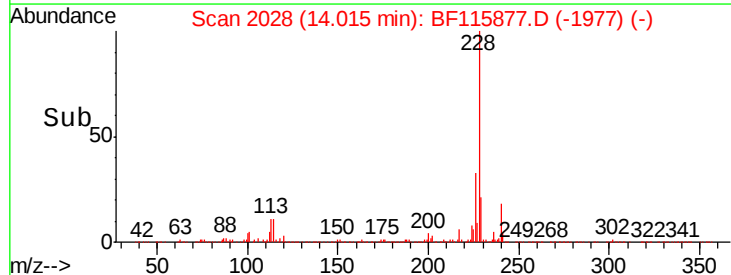
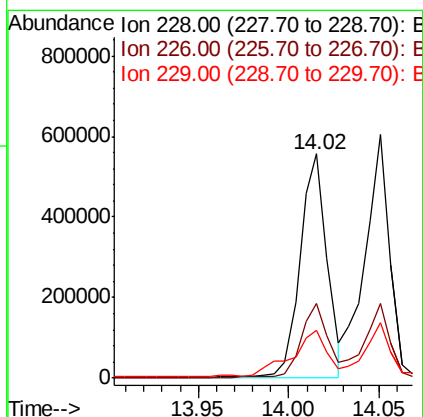
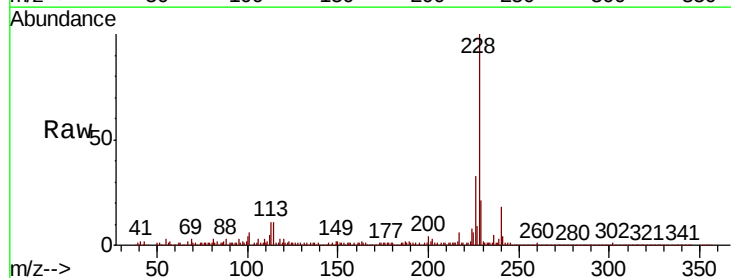
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-11

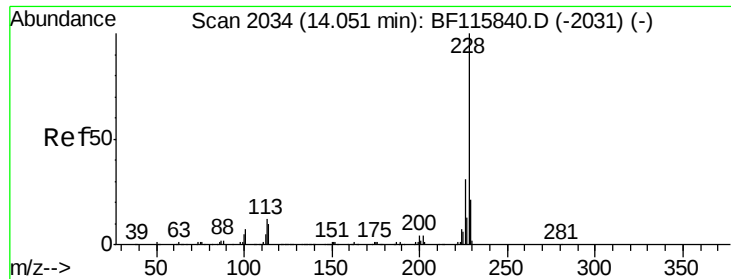
Tgt Ion:244 Resp: 675544  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.6 8.4  
 122 11.4 8.6 13.0



#81  
 Benzo(a)anthracene  
 Concen: 30.529 ng  
 RT: 14.02 min Scan# 2028  
 Delta R.T. -0.00 min  
 Lab File: BF115877.D  
 Acq: 31 Jul 2019 20:20

Tgt Ion:228 Resp: 579513  
 Ion Ratio Lower Upper  
 228 100  
 226 33.2 22.5 33.7  
 229 21.2 16.1 24.1





#83

Chrysene

Concen: 31.168 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

Instrument :

BNA\_F

ClientSampleId :

SP-11

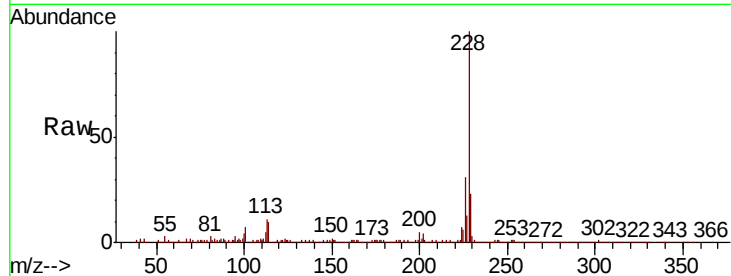
Tgt Ion:228 Resp: 574400

Ion Ratio Lower Upper

228 100

226 30.9 24.8 37.2

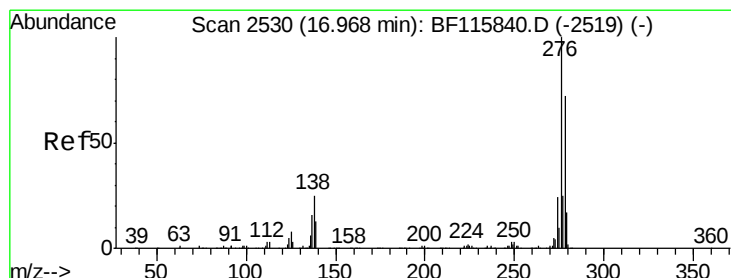
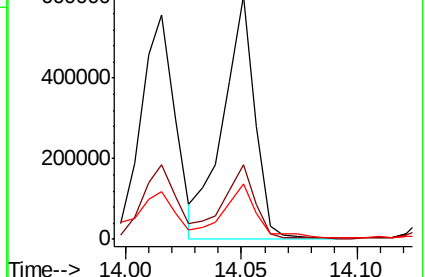
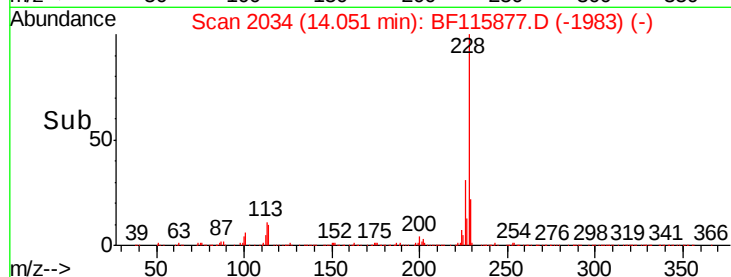
229 22.6 16.4 24.6



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 19.438 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.00 min

Lab File: BF115877.D

Acq: 31 Jul 2019 20:20

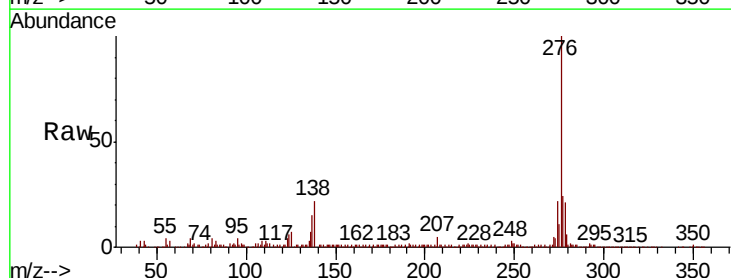
Tgt Ion:276 Resp: 300867

Ion Ratio Lower Upper

276 100

138 21.7 19.6 29.4

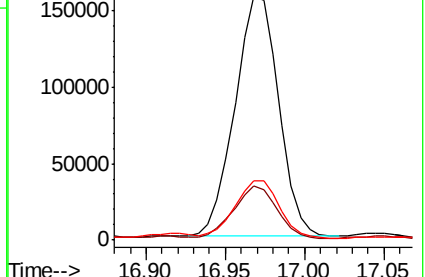
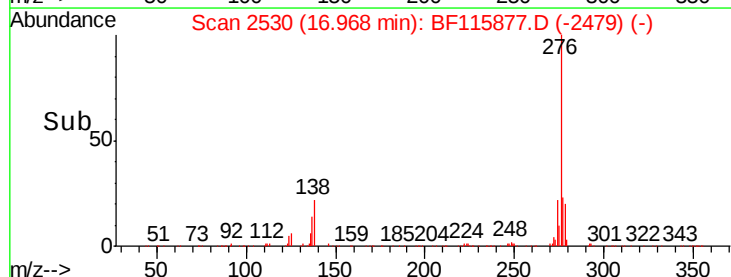
277 24.3 20.1 30.1

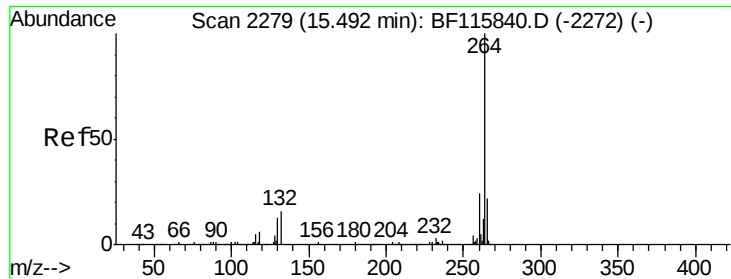


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

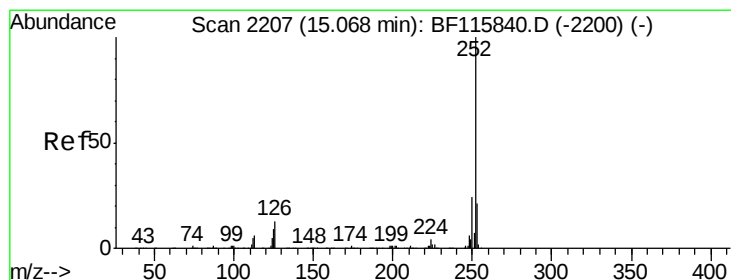
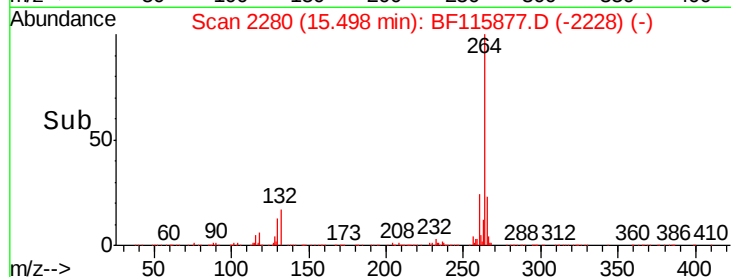
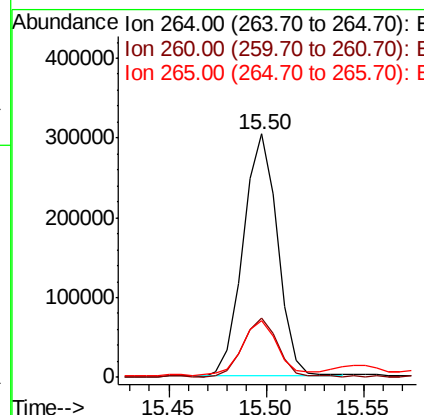
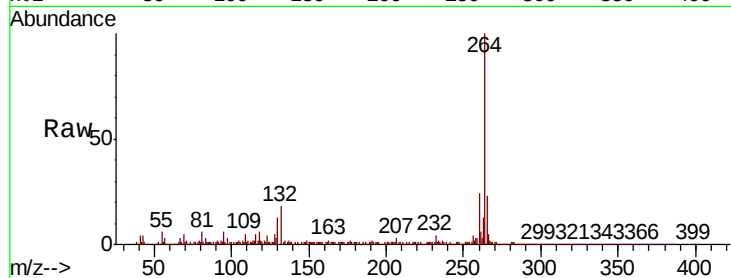




#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.50 min Scan# 2280  
Delta R.T. 0.01 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

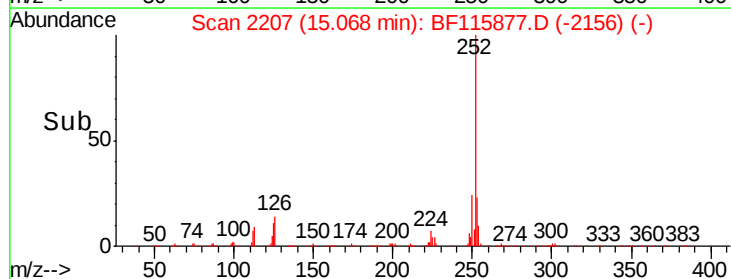
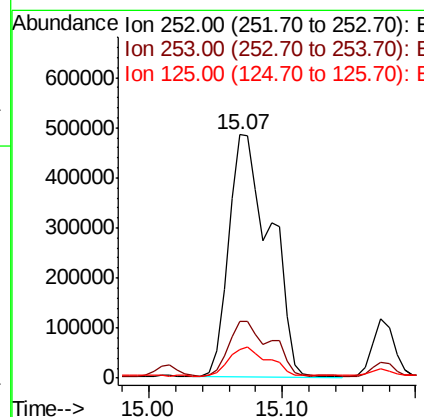
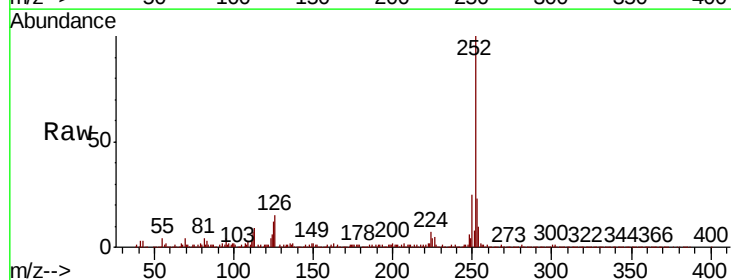
Instrument :  
BNA\_F  
ClientSampleId :  
SP-11

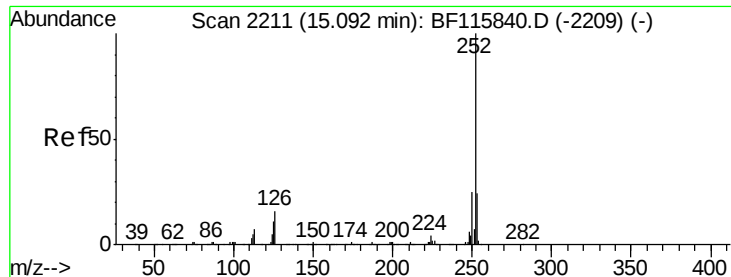
Tgt Ion:264 Resp: 371834  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.4 29.2  
265 23.4 17.5 26.3



#88  
Benzo(b)fluoranthene  
Concen: 48.920 ng  
RT: 15.07 min Scan# 2207  
Delta R.T. -0.00 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

Tgt Ion:252 Resp: 1051765  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.2 25.8  
125 11.9 7.4 11.0#

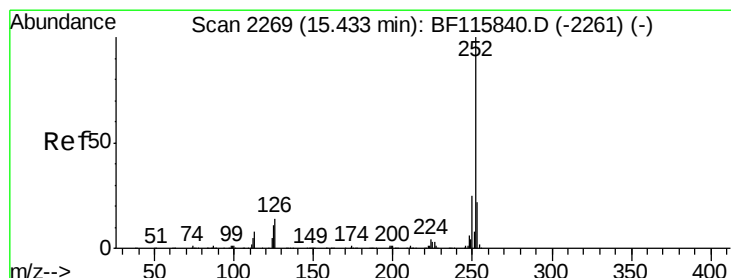
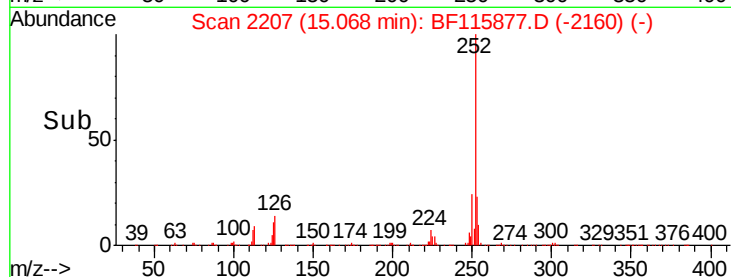
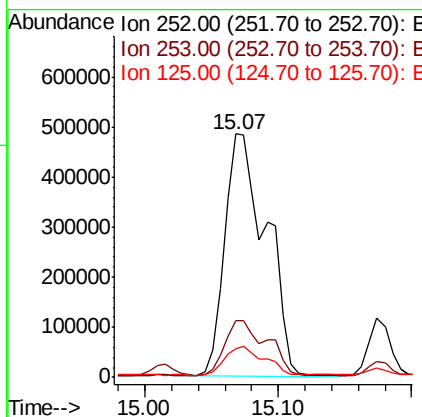
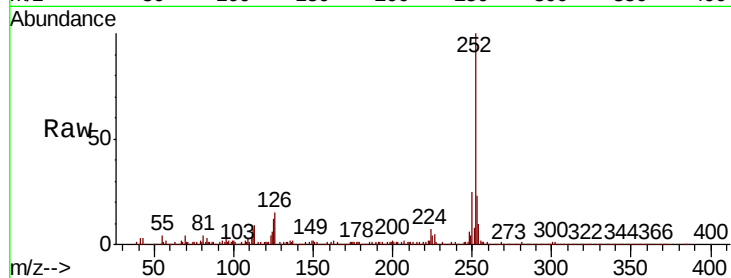




#89  
Benzo(k)fluoranthene  
Concen: 50.225 ng  
RT: 15.07 min Scan# 2207  
Delta R.T. -0.02 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

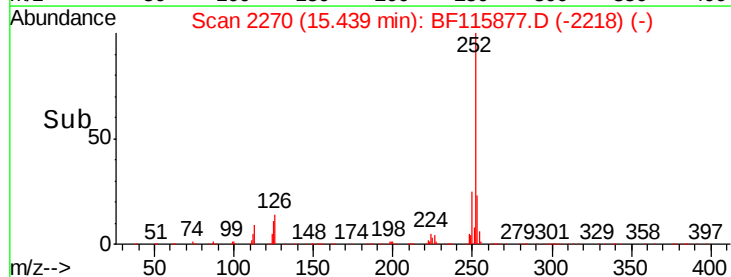
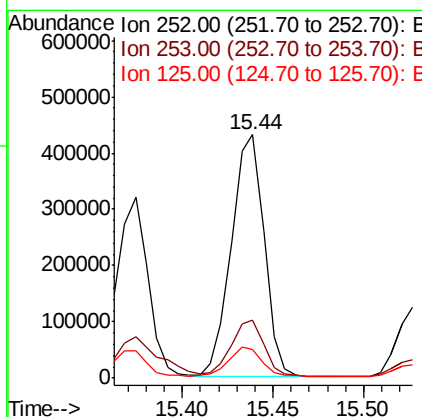
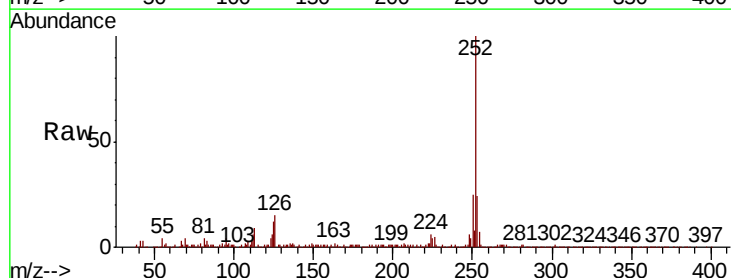
Instrument :  
BNA\_F  
ClientSampleId :  
SP-11

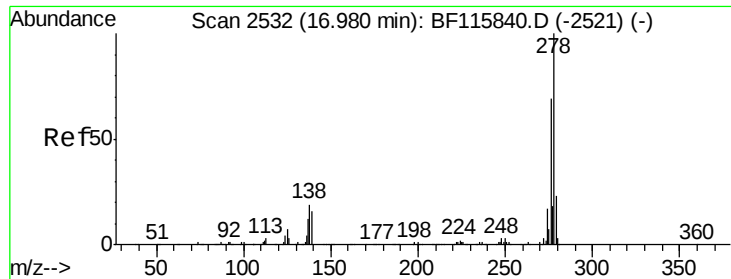
Tgt Ion:252 Resp: 1051765  
Ion Ratio Lower Upper  
252 100  
253 23.2 18.2 27.4  
125 11.9 8.9 13.3



#90  
Benzo(a)pyrene  
Concen: 28.378 ng  
RT: 15.44 min Scan# 2270  
Delta R.T. 0.01 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

Tgt Ion:252 Resp: 545411  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.8 26.6  
125 11.6 8.8 13.2

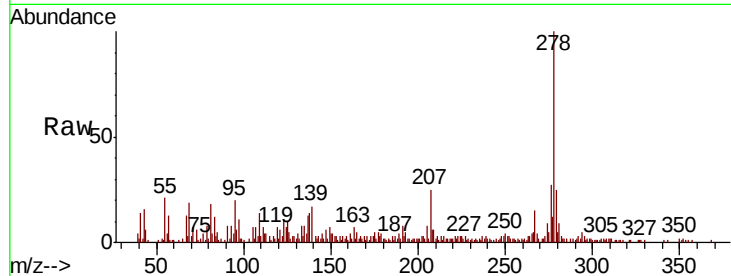




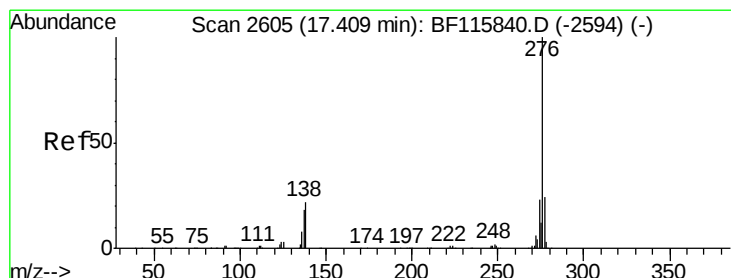
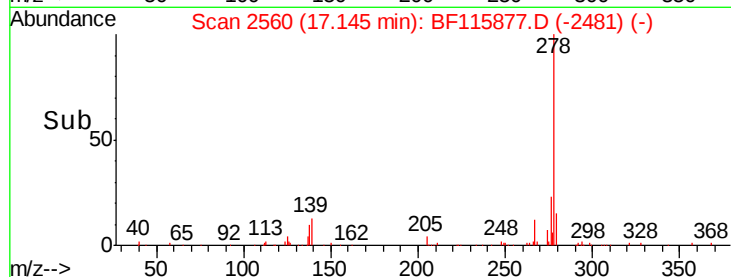
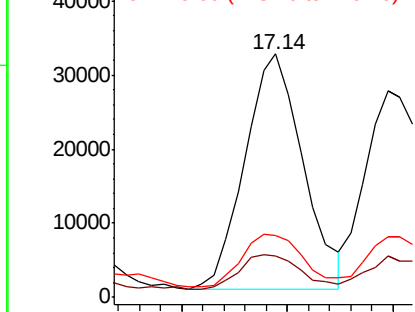
#91  
Dibenzo(a,h)anthracene  
Concen: 3.640 ng  
RT: 17.14 min Scan# 2560  
Delta R.T. 0.16 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

Instrument :  
BNA\_F  
ClientSampleId :  
SP-11

Tgt Ion: 278 Resp: 60561  
Ion Ratio Lower Upper  
278 100  
139 17.2 12.6 19.0  
279 25.4 18.8 28.2

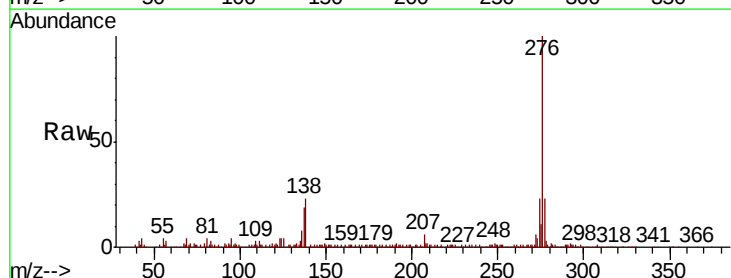


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 16.558 ng  
RT: 17.42 min Scan# 2606  
Delta R.T. 0.01 min  
Lab File: BF115877.D  
Acq: 31 Jul 2019 20:20

Tgt Ion: 276 Resp: 270525  
Ion Ratio Lower Upper  
276 100  
277 23.4 19.5 29.3  
138 23.1 17.8 26.8



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

