

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\  
 Data File : BF116020.D  
 Acq On : 6 Aug 2019 18:28  
 Operator : HP/JU  
 Sample : K4135-26  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1S-A1-A4-COMP-(30)

Quant Time: Aug 07 04:33:29 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  | 125847   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.12  | 136  | 482684   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.87  | 164  | 261548   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.36 | 188  | 470955   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 14.00 | 240  | 361002   | 20.00 | ng    | -0.03    |
| 87) Perylene-d12          | 15.46 | 264  | 385170   | 20.00 | ng    | -0.03    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.47  | 112  | 932898   | 124.10 | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 1071417  | 112.96 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 875671   | 104.72 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 381270   | 150.36 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 1483574  | 106.25 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.95 | 244  | 1767350  | 103.16 | ng    | -0.02    |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 6) Aniline                     | 6.62  | 93   | 1268     | 0.093 | ng    | # 1    |
| 8) 2-Chlorophenol              | 6.63  | 128  | 256      | 0.031 | ng    | # 1    |
| 9) Benzaldehyde                | 6.48  | 77   | 1447     | 0.221 | ng    | # 1    |
| 10) Phenol                     | 6.62  | 94   | 2123     | 0.190 | ng    | # 1    |
| 11) bis(2-Chloroethyl)ether    | 6.62  | 93   | 1268     | 0.154 | ng    | # 1    |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09  | 45   | 488      | 0.044 | ng    | # 65   |
| 18) Hexachloroethane           | 7.41  | 117  | 128      | 0.036 | ng    | # 1    |
| 22) Acetophenone               | 7.26  | 105  | 1078     | 0.102 | ng    | # 52   |
| 24) Nitrobenzene               | 7.40  | 77   | 2548     | 0.282 | ng    | # 32   |
| 31) Naphthalene                | 8.15  | 128  | 7163     | 0.315 | ng    | # 99   |
| 33) 4-Chloroaniline            | 8.15  | 127  | 740      | 0.073 | ng    | # 29   |
| 37) 2-Methylnaphthalene        | 8.85  | 142  | 1553     | 0.104 | ng    | # 91   |
| 38) 1-Methylnaphthalene        | 8.94  | 142  | 1014     | 0.072 | ng    | # 99   |
| 46) 1,1'-Biphenyl              | 9.30  | 154  | 3328     | 0.180 | ng    | # 96   |
| 48) 2-Nitroaniline             | 9.20  | 65   | 2484     | 0.489 | ng    | # 1    |
| 49) Acenaphthylene             | 9.91  | 152  | 503      | 0.022 | ng    | # 1    |
| 52) Acenaphthene               | 9.90  | 154  | 1316     | 0.096 | ng    | # 71   |
| 55) Dibenzofuran               | 10.09 | 168  | 848      | 0.042 | ng    | # 45   |
| 58) Fluorene                   | 10.43 | 166  | 1040     | 0.068 | ng    | # 89   |
| 60) Diethylphthalate           | 10.29 | 149  | 2376     | 0.143 | ng    | # 92   |
| 63) Azobenzene                 | 10.66 | 77   | 1783     | 0.104 | ng    | # 7    |
| 65) 4,6-Dinitro-2-methylphenol | 10.67 | 198  | 733      | 0.294 | ng    | # 1    |
| 66) n-Nitrosodiphenylamine     | 10.67 | 169  | 11041    | 0.779 | ng    | # 47   |
| 71) Phenanthrene               | 11.39 | 178  | 3605     | 0.150 | ng    | # 97   |
| 72) Anthracene                 | 11.39 | 178  | 3605     | 0.148 | ng    | # 98   |
| 73) Carbazole                  | 11.62 | 167  | 398      | 0.018 | ng    | # 58   |
| 74) Di-n-butylphthalate        | 11.92 | 149  | 5752     | 0.223 | ng    | # 97   |
| 75) Fluoranthene               | 12.58 | 202  | 731      | 0.029 | ng    | # 64   |
| 78) Pyrene                     | 12.80 | 202  | 546      | 0.020 | ng    | # 56   |
| 80) Butylbenzylphthalate       | 13.41 | 149  | 357      | 0.031 | ng    | # 47   |
| 81) Benzo(a)anthracene         | 14.00 | 228  | 910      | 0.039 | ng    | # 56   |
| 83) Chrysene                   | 14.00 | 228  | 910      | 0.041 | ng    | # 54   |
| 84) Bis(2-ethylhexyl)phthalate | 13.97 | 149  | 1116     | 0.075 | ng    | # 95   |
| 90) Benzo(a)pyrene             | 15.46 | 252  | 1124     | 0.056 | ng    | # 18   |

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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
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1S-A1-A4-COMP-(30)

Quant Time: Aug 07 04:33:29 2019  
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QLast Update : Wed Jul 31 15:31:51 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

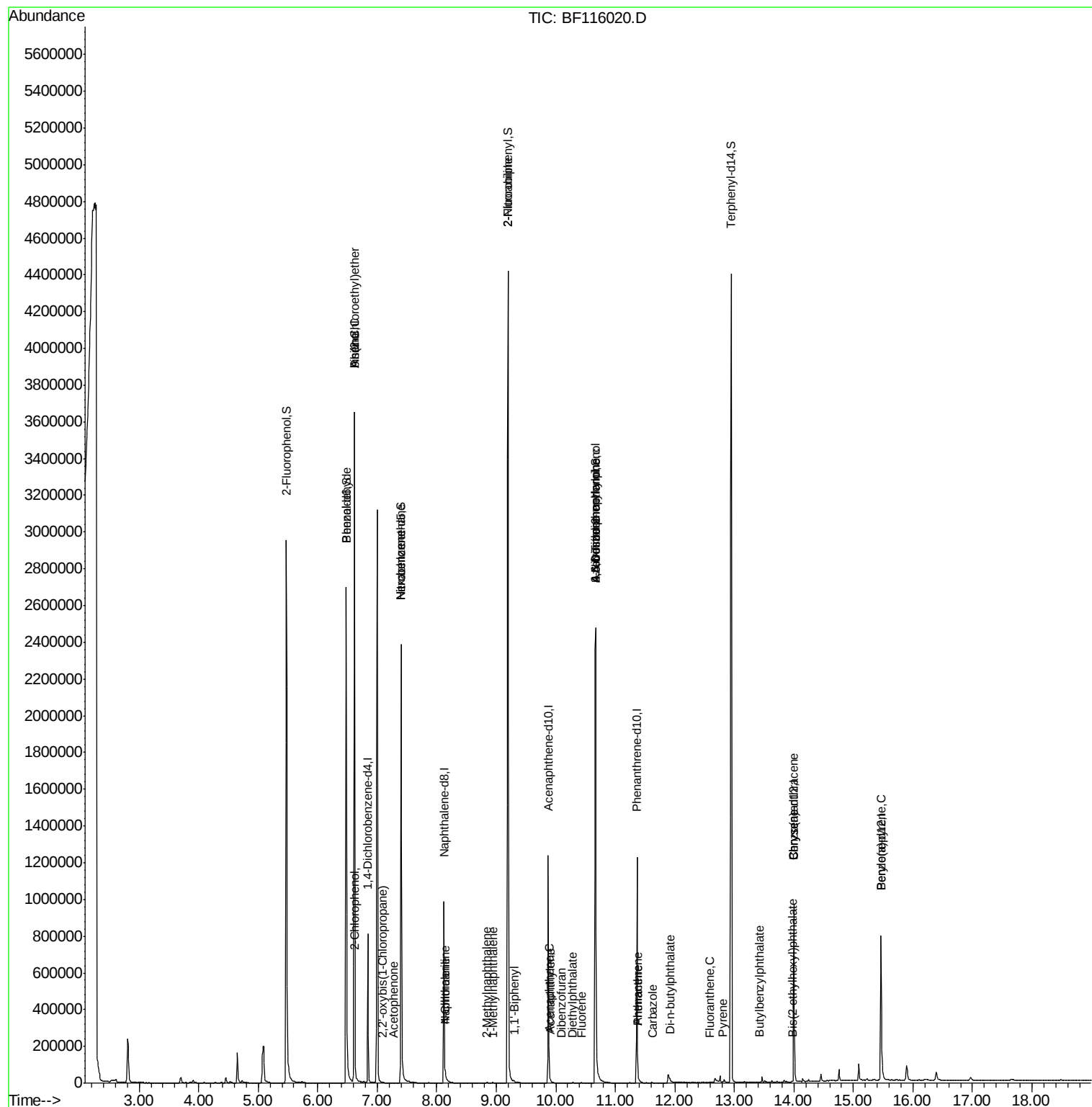
|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

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

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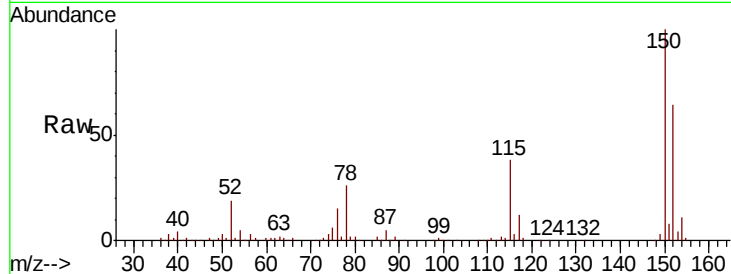


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.85 min Scan# 809  
 Delta R.T. -0.01 min  
 Lab File: BF116020.D  
 Acq: 6 Aug 2019 18:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1S-A1-A4-COMP-(30)

| Tot Ion   | 152   | Resp  | 125847 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 156.8 | 127.4 | 191.0  |
| 115       | 59.2  | 51.8  | 77.8   |

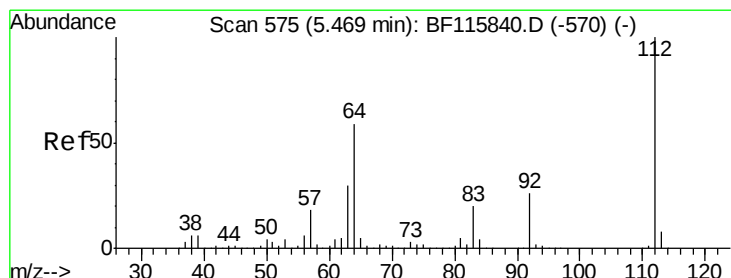
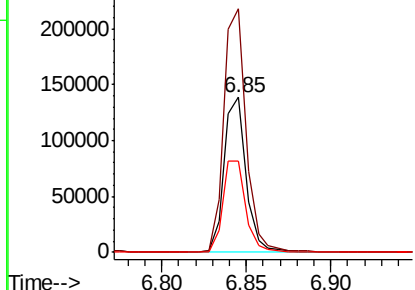
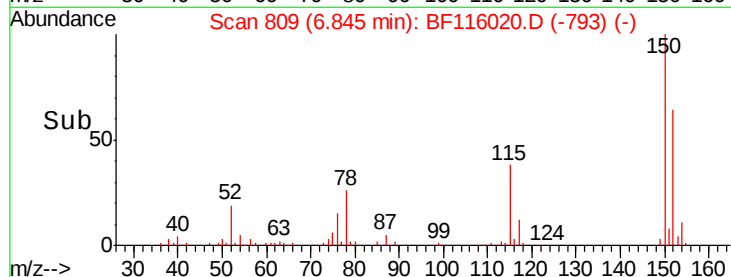


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

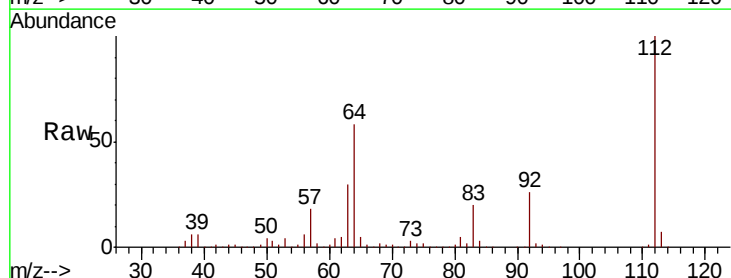
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 124.097 ng  
 RT: 5.47 min Scan# 576  
 Delta R.T. 0.01 min  
 Lab File: BF116020.D  
 Acq: 6 Aug 2019 18:28

| Tgt Ion   | 112   | Resp  | 932898 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 58.4  | 46.8  | 70.2   |
| 63        | 30.4  | 24.2  | 36.2   |

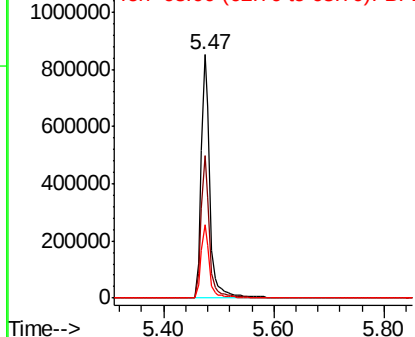
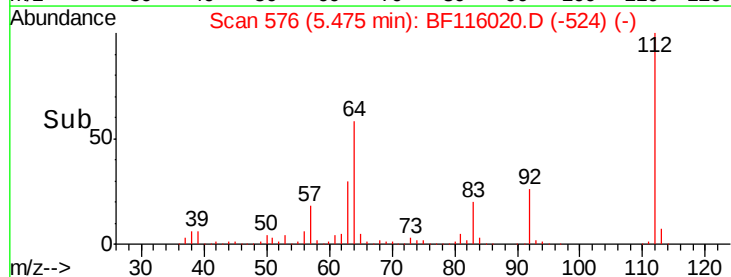


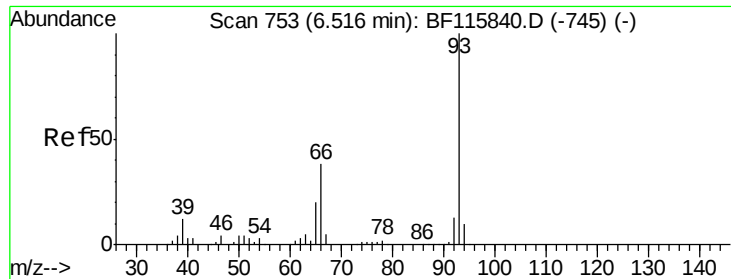
Abundance

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





#6

Aniline

Concen: 0.093 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.10 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

Instrument :

BNA\_F

ClientSampleId :

1S-A1-A4-COMP-(30)

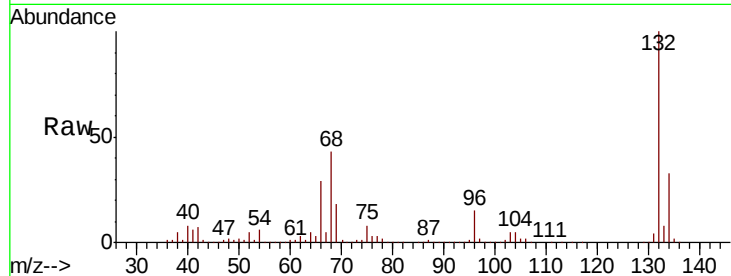
Tot Ion: 93 Resp: 1268

Ion Ratio Lower Upper

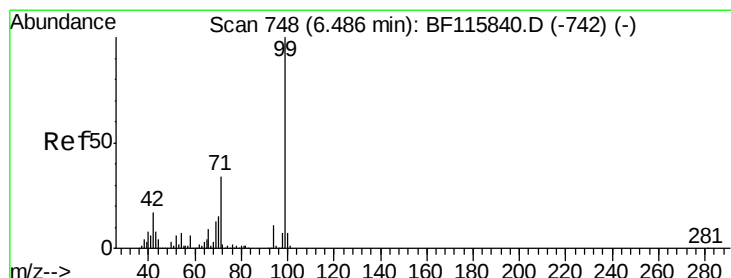
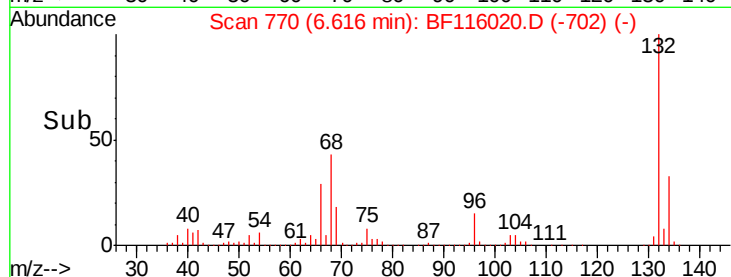
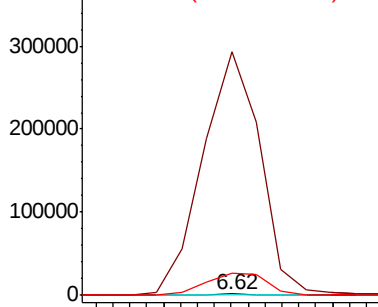
93 100

66 19770.0 31.4 47.0#

65 1777.6 16.5 24.7#



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 112.964 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

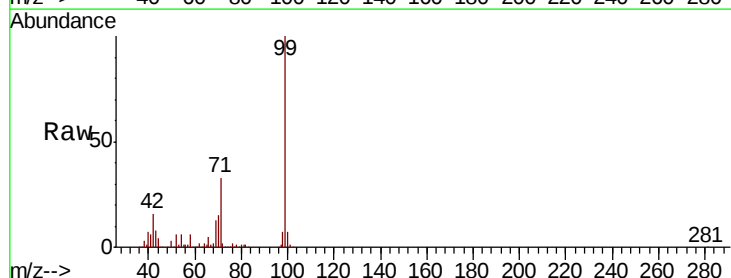
Tgt Ion: 99 Resp: 1071417

Ion Ratio Lower Upper

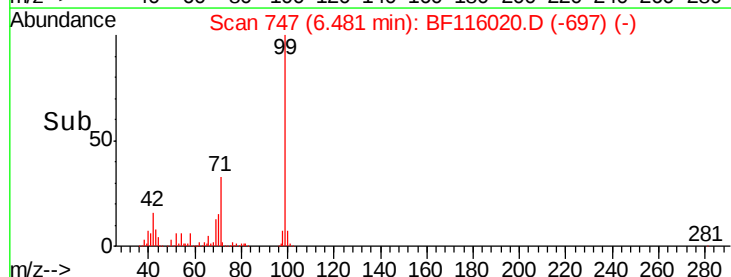
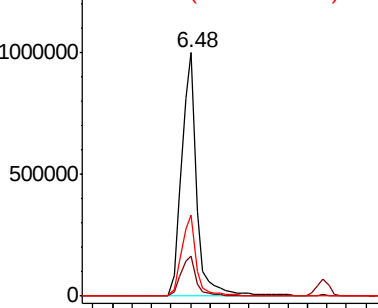
99 100

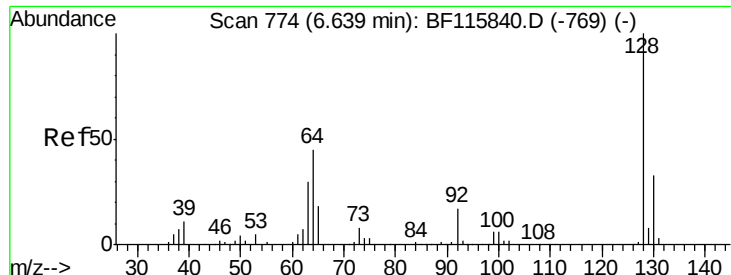
42 16.3 13.8 20.6

71 33.3 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





#8

2-Chlorophenol

Concen: 0.031 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

Instrument :

BNA\_F

ClientSampleId :

1S-A1-A4-COMP-(30)

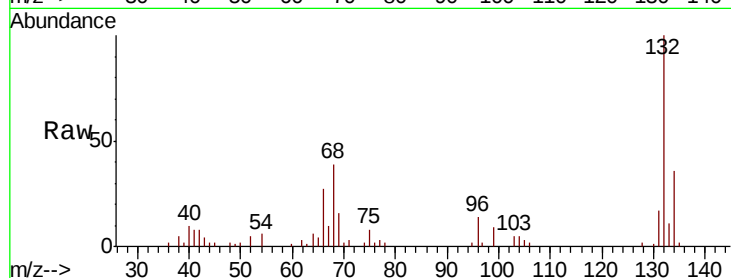
Tot Ion:128 Resp: 256

Ion Ratio Lower Upper

128 100

130 84.6 12.9 52.9#

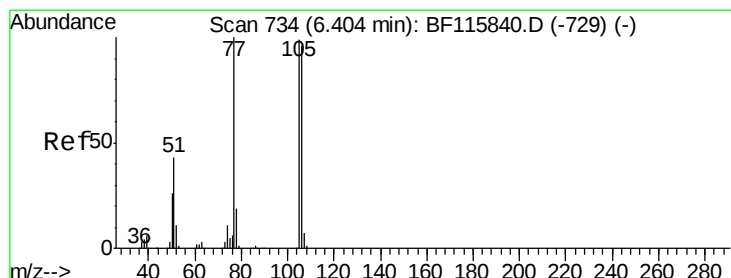
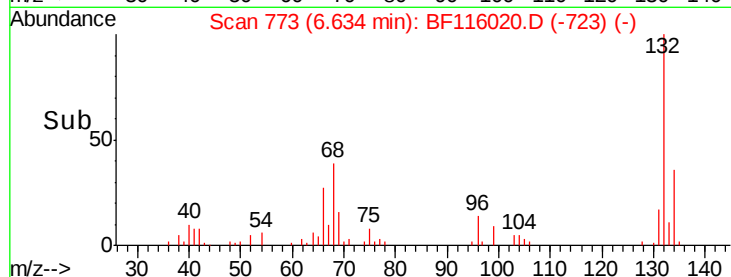
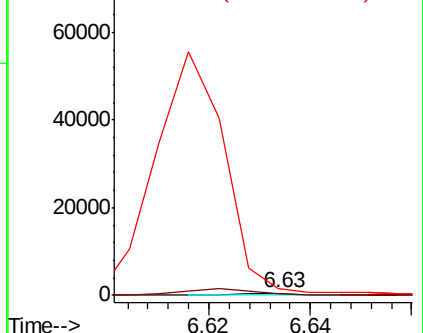
64 369.2 26.1 66.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1



#9

Benzaldehyde

Concen: 0.221 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.08 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

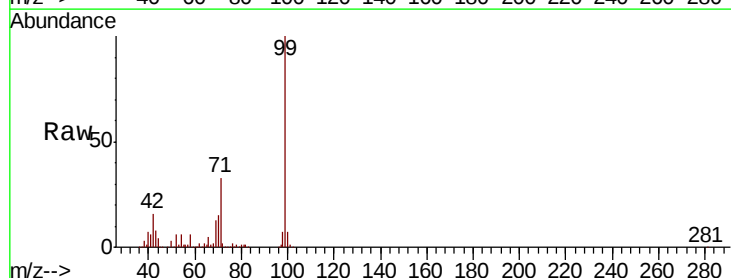
Tgt Ion: 77 Resp: 1447

Ion Ratio Lower Upper

77 100

105 0.0 79.0 119.0#

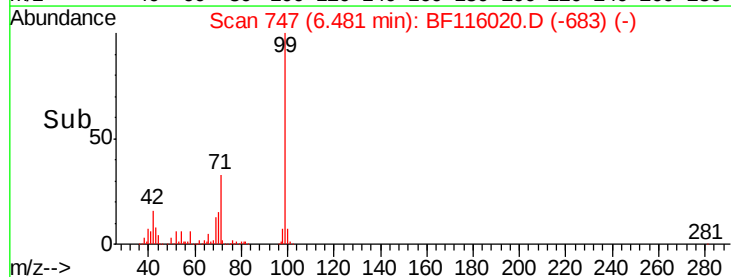
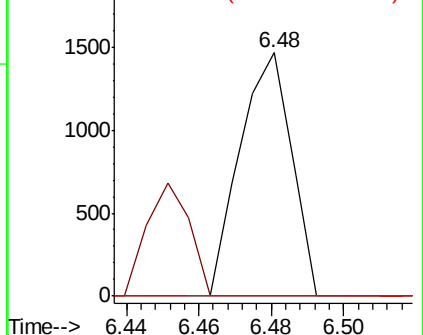
106 0.0 76.2 116.2#

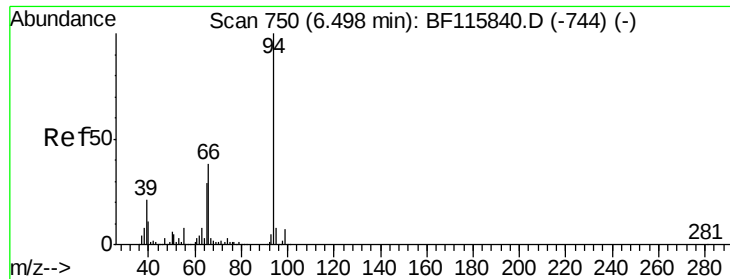


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.190 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.12 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

Instrument :

BNA\_F

ClientSampleId :

1S-A1-A4-COMP-(30)

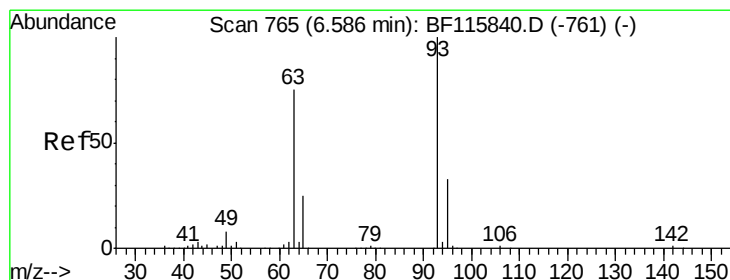
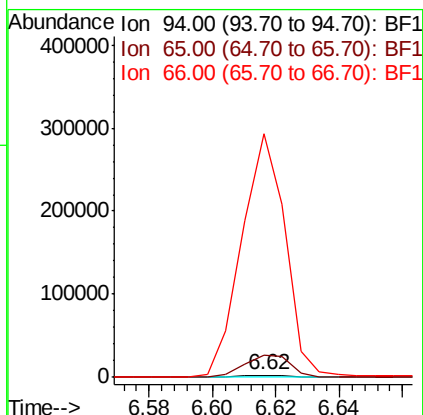
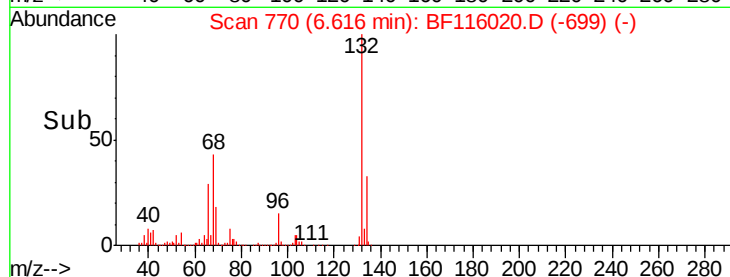
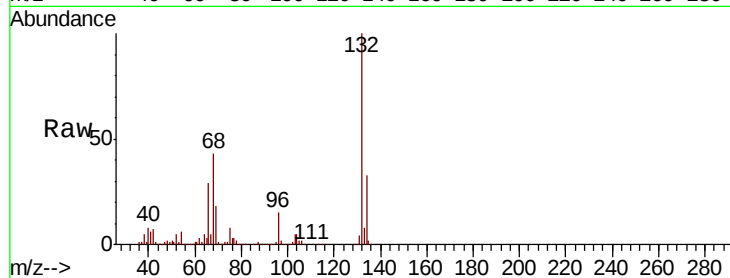
Tot Ion: 94 Resp: 2123

Ion Ratio Lower Upper

94 100

65 1200.7 8.9 48.9#

66 13354.2 18.0 58.0#



#11

bis(2-Chloroethyl)ether

Concen: 0.154 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.03 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

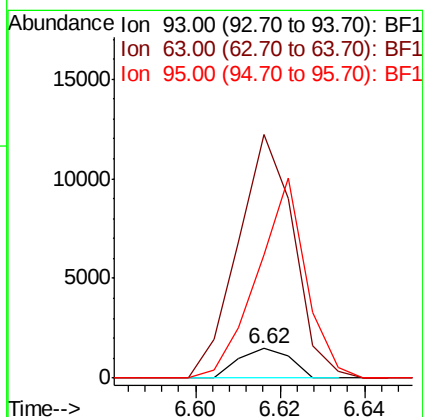
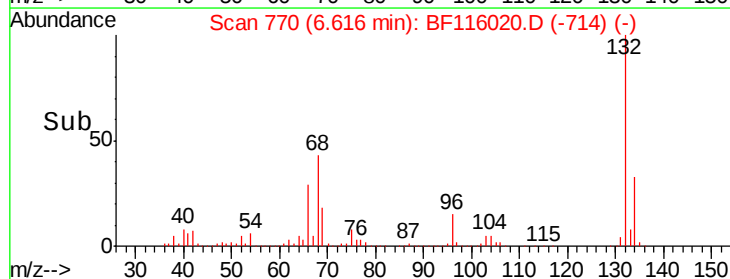
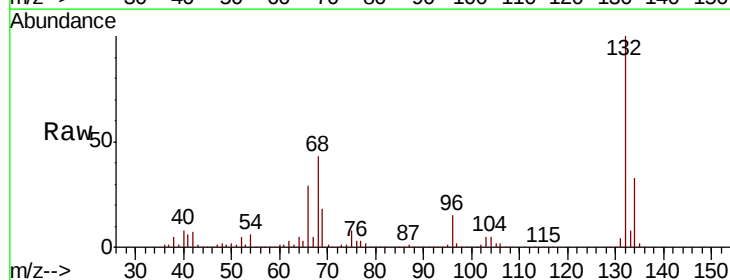
Tgt Ion: 93 Resp: 1268

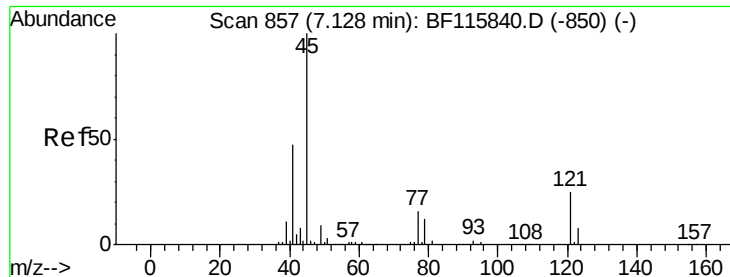
Ion Ratio Lower Upper

93 100

63 824.4 54.9 94.9#

95 419.6 13.3 53.3#

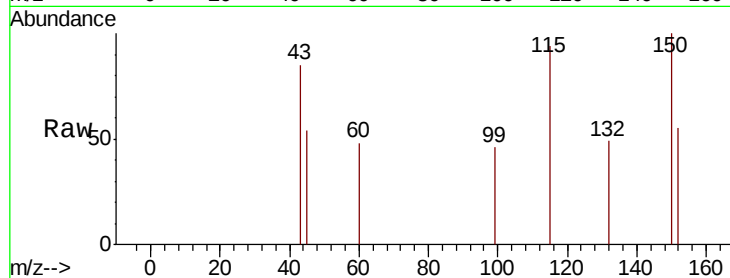




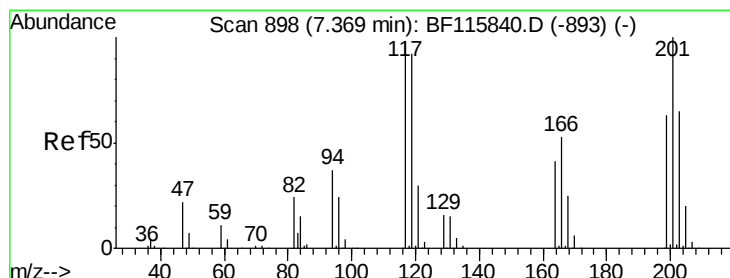
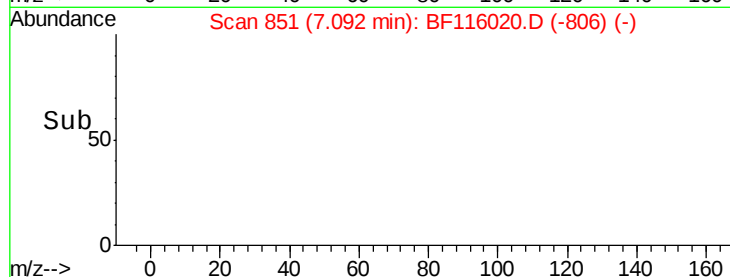
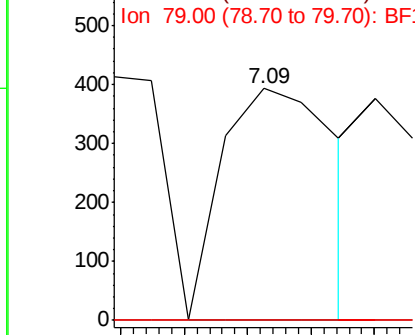
#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 0.044 ng  
RT: 7.09 min Scan# 851  
Delta R.T. -0.04 min  
Lab File: BF116020.D  
Acq: 6 Aug 2019 18:28

Instrument :  
BNA\_F  
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Tot Ion: 45 Resp: 488  
Ion Ratio Lower Upper  
45 100  
77 0.0 0.0 36.3  
79 0.0 0.0 32.5

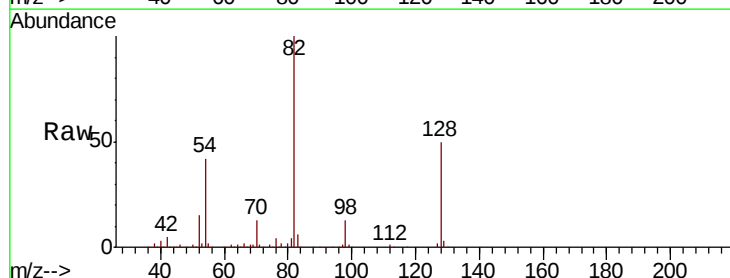


Abundance Ion 45.00 (44.70 to 45.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

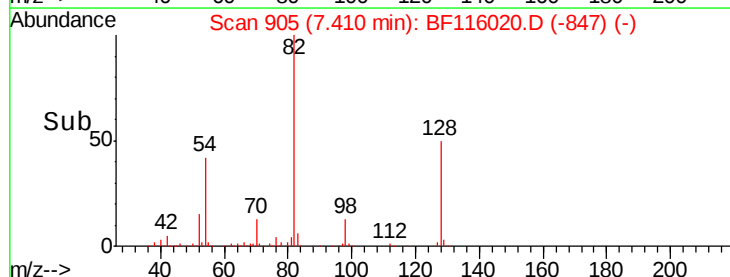
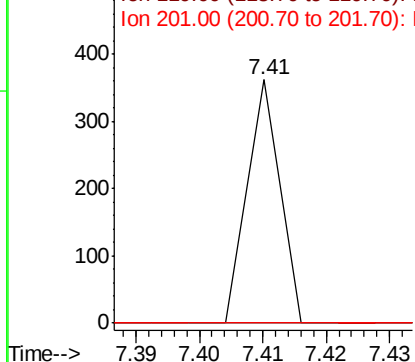


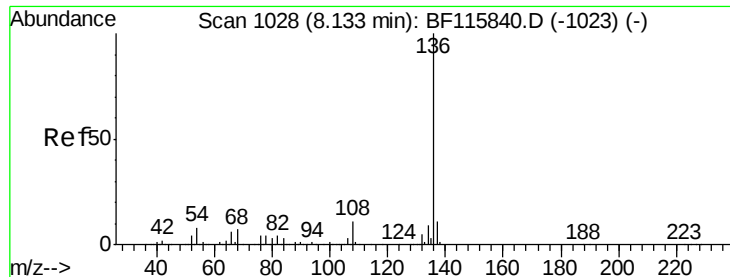
#18  
Hexachloroethane  
Concen: 0.036 ng  
RT: 7.41 min Scan# 905  
Delta R.T. 0.04 min  
Lab File: BF116020.D  
Acq: 6 Aug 2019 18:28

Tgt Ion: 117 Resp: 128  
Ion Ratio Lower Upper  
117 100  
119 0.0 75.8 113.6#  
201 0.0 82.0 123.0#



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

Instrument :

BNA\_F

ClientSampleId :

1S-A1-A4-COMP-(30)

Tot Ion:136 Resp: 482684

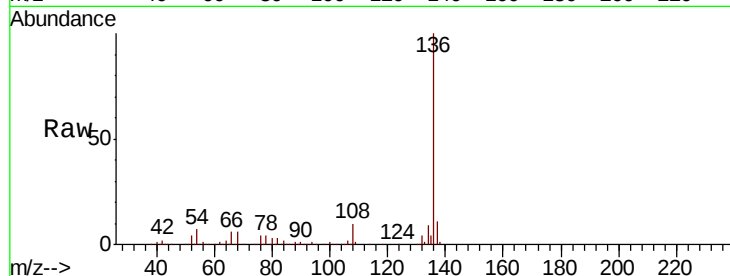
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 7.1 6.1 9.1

68 6.0 5.4 8.2

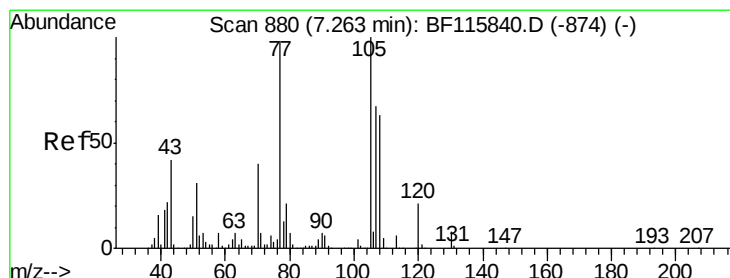
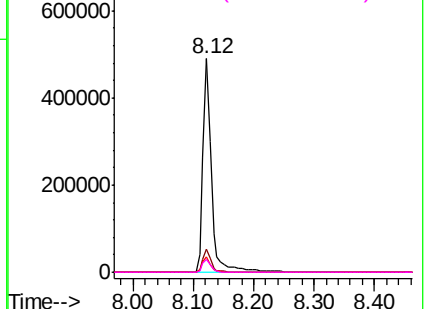
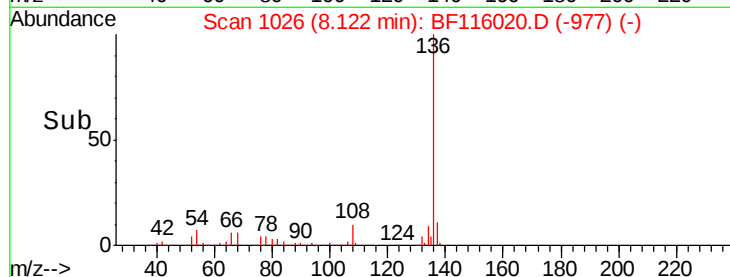


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 0.102 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

Tgt Ion:105 Resp: 1078

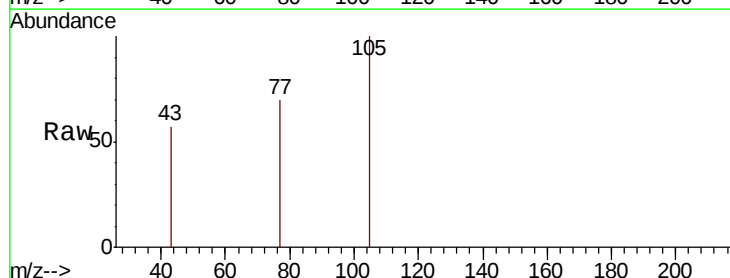
Ion Ratio Lower Upper

105 100

71 0.0 5.4 8.0#

51 0.0 24.6 36.8#

120 0.0 17.0 25.6#

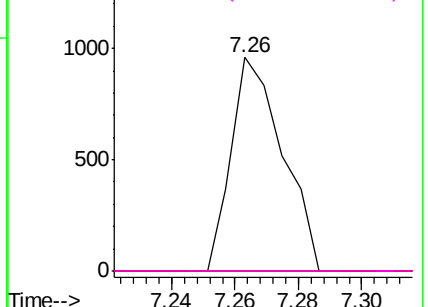
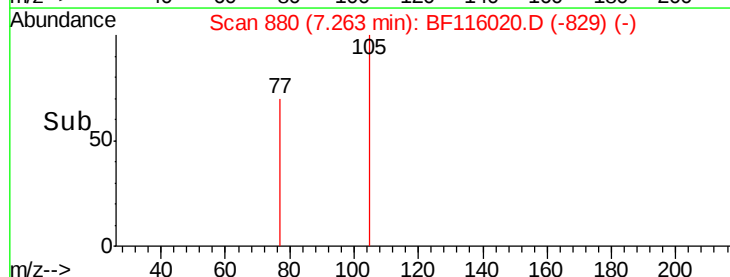


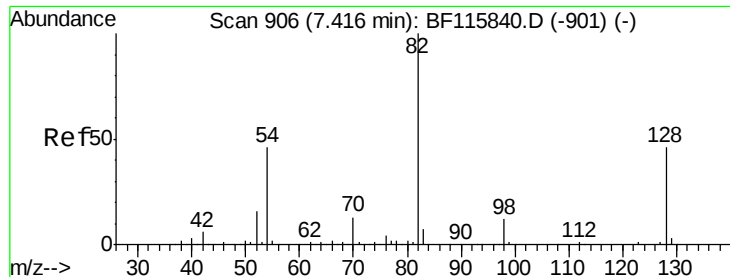
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

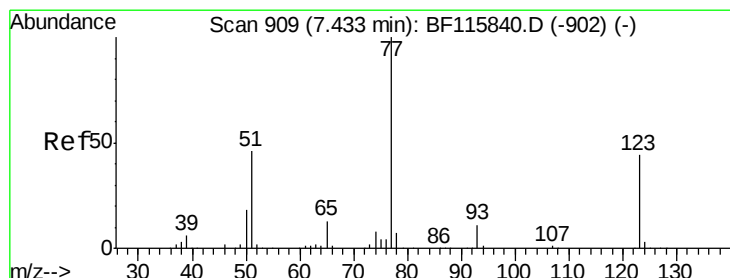
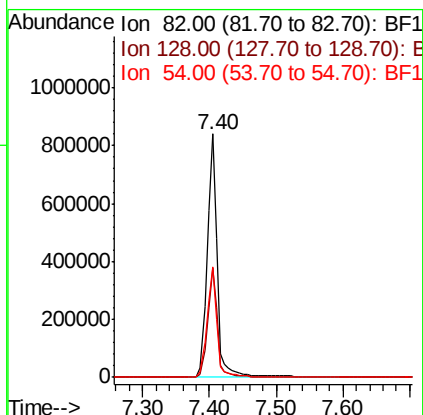
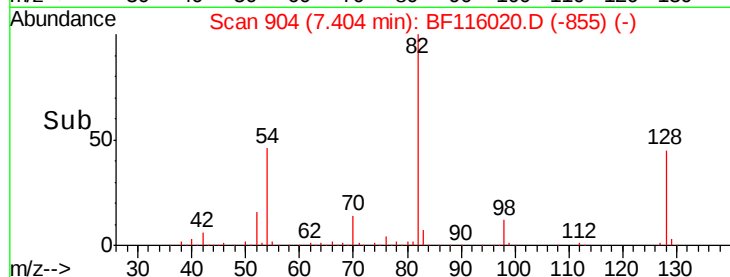
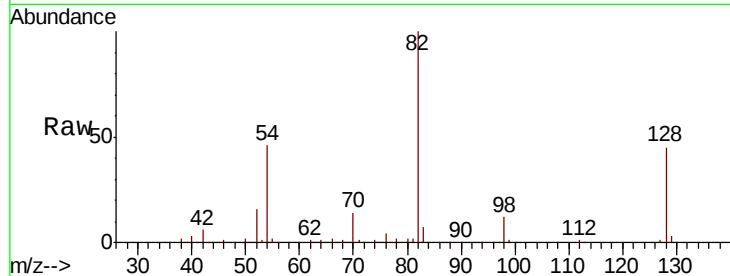




#23  
 Nitrobenzene-d5  
 Concen: 104.720 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.01 min  
 Lab File: BF116020.D  
 Acq: 6 Aug 2019 18:28

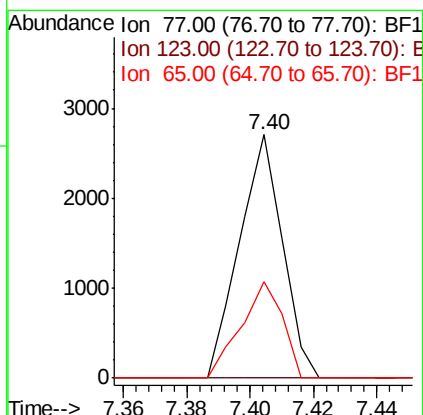
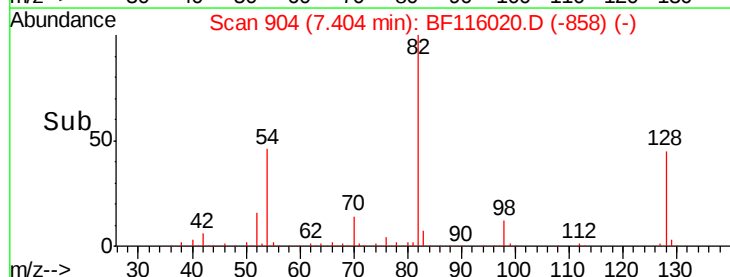
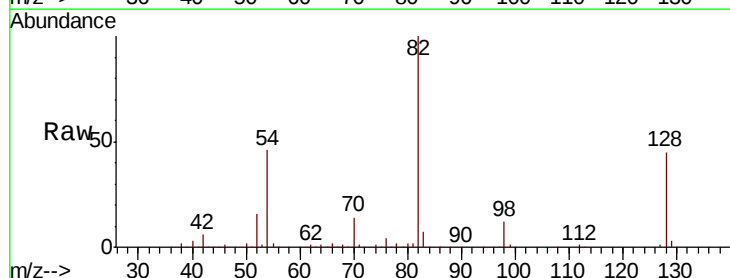
Instrument :  
 BNA\_F  
 ClientSampleId :  
 1S-A1-A4-COMP-(30)

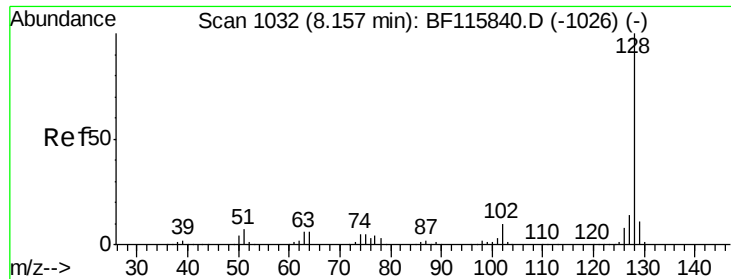
Tot Ion: 82 Resp: 875671  
 Ion Ratio Lower Upper  
 82 100  
 128 45.0 36.6 55.0  
 54 45.6 36.6 55.0



#24  
 Nitrobenzene  
 Concen: 0.282 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.03 min  
 Lab File: BF116020.D  
 Acq: 6 Aug 2019 18:28

Tgt Ion: 77 Resp: 2548  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 35.5 53.3#  
 65 39.5 10.6 15.8#

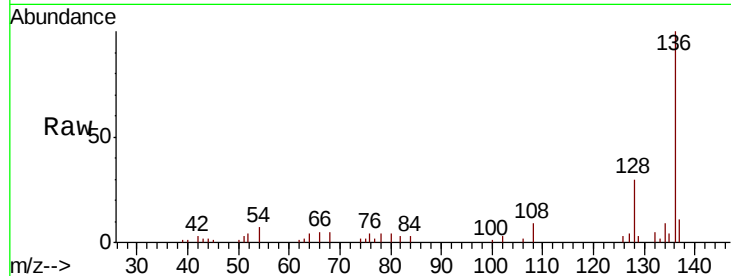




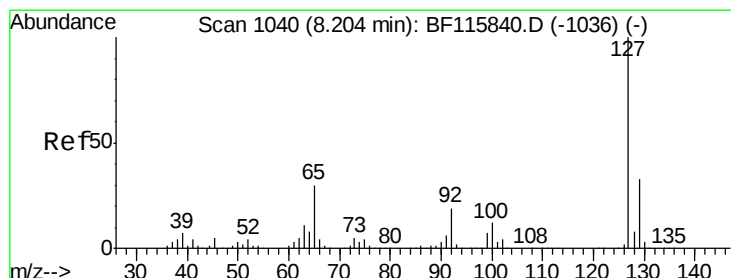
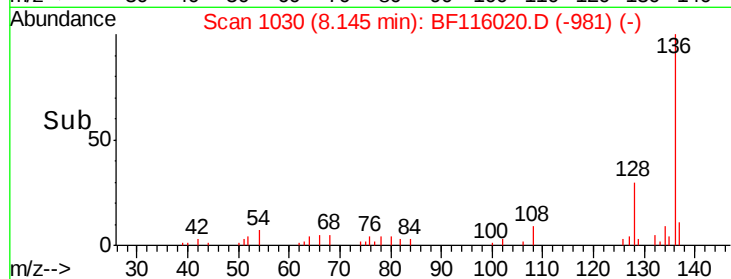
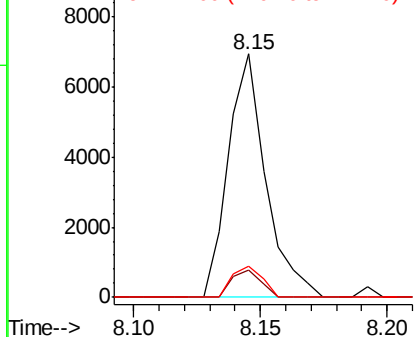
#31  
Naphthalene  
Concen: 0.315 ng  
RT: 8.15 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: BF116020.D  
Acq: 6 Aug 2019 18:28

Instrument :  
BNA\_F  
ClientSampleId :  
1S-A1-A4-COMP-(30)

Tot Ion:128 Resp: 7163  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.2 13.8  
127 12.7 11.0 16.4

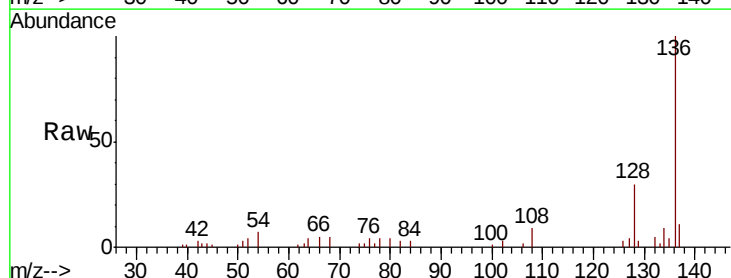


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

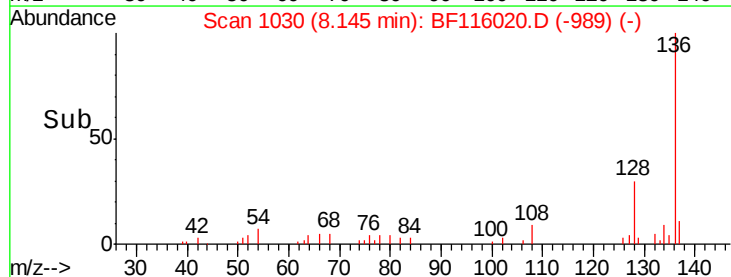
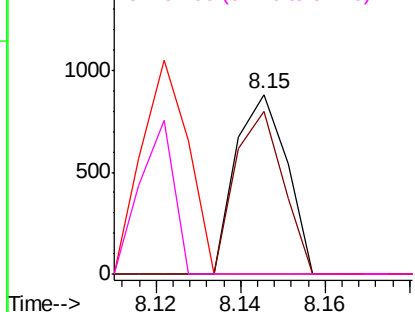


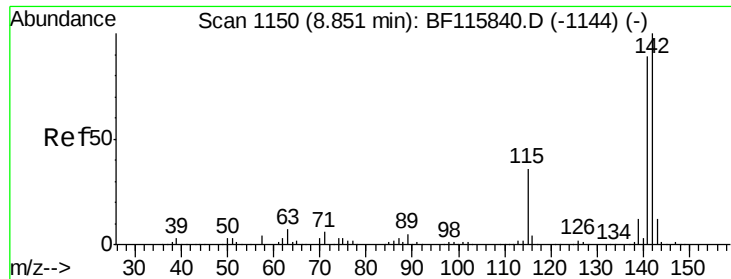
#33  
4-Chloroaniline  
Concen: 0.073 ng  
RT: 8.15 min Scan# 1030  
Delta R.T. -0.06 min  
Lab File: BF116020.D  
Acq: 6 Aug 2019 18:28

Tgt Ion:127 Resp: 740  
Ion Ratio Lower Upper  
127 100  
129 90.5 26.0 39.0#  
65 0.0 23.9 35.9#  
92 0.0 14.9 22.3#



Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

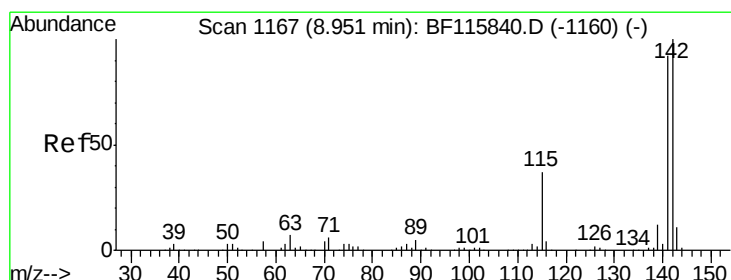
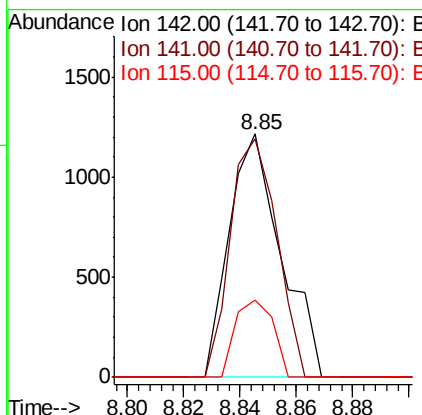
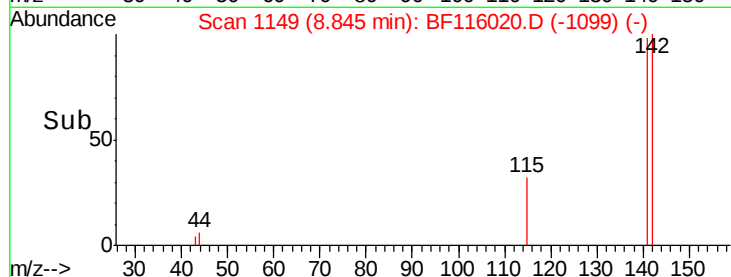
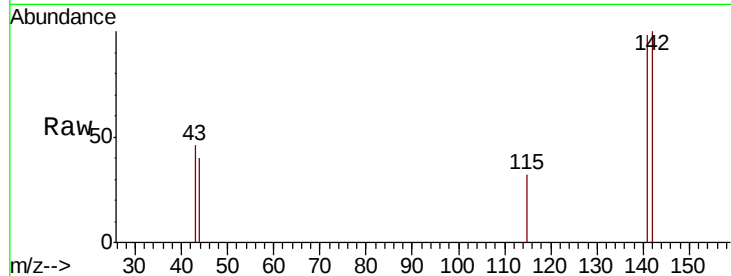




#37  
 2-Methylnaphthalene  
 Concen: 0.104 ng  
 RT: 8.85 min Scan# 1149  
 Delta R.T. -0.01 min  
 Lab File: BF116020.D  
 Acq: 6 Aug 2019 18:28

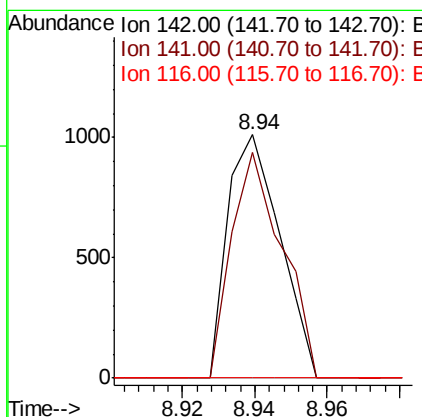
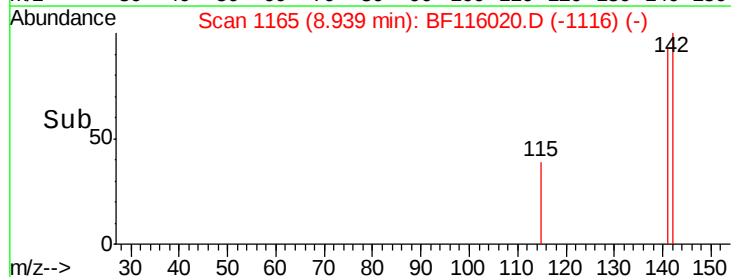
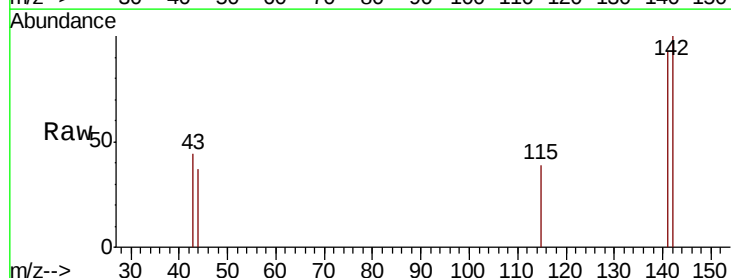
Instrument :  
 BNA\_F  
 ClientSampleId :  
 1S-A1-A4-COMP-(30)

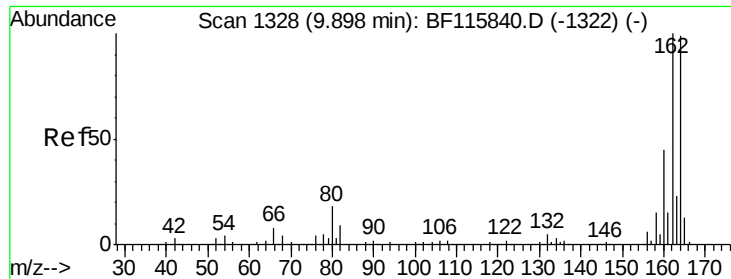
Tot Ion:142 Resp: 1553  
 Ion Ratio Lower Upper  
 142 100  
 141 97.9 71.4 107.2  
 115 32.0 28.9 43.3



#38  
 1-Methylnaphthalene  
 Concen: 0.072 ng  
 RT: 8.94 min Scan# 1165  
 Delta R.T. -0.01 min  
 Lab File: BF116020.D  
 Acq: 6 Aug 2019 18:28

Tgt Ion:142 Resp: 1014  
 Ion Ratio Lower Upper  
 142 100  
 141 92.7 73.8 110.6  
 116 0.0 3.1 4.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

Instrument :

BNA\_F

ClientSampleId :

1S-A1-A4-COMP-(30)

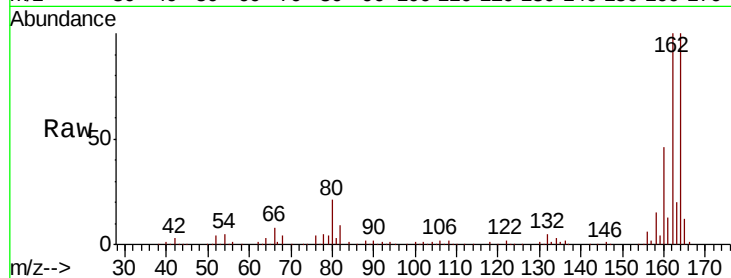
Tot Ion:164 Resp: 261548

Ion Ratio Lower Upper

164 100

162 99.6 80.8 121.2

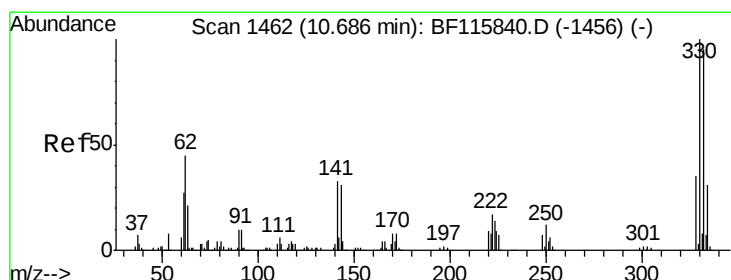
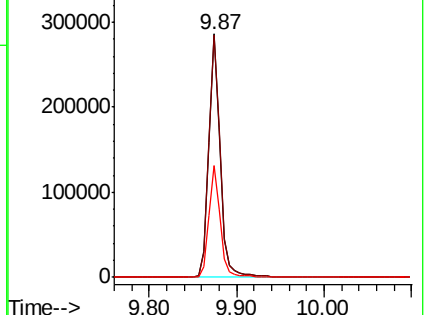
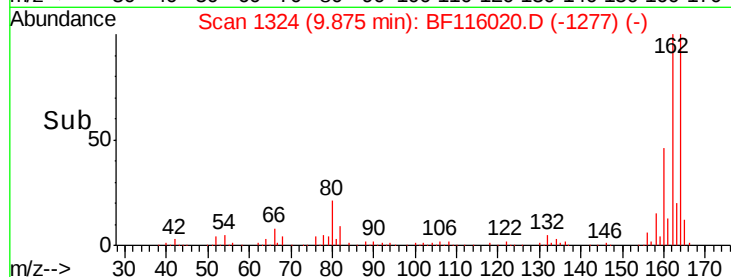
160 46.0 36.2 54.4



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



#42

2,4,6-Tribromophenol

Concen: 150.356 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

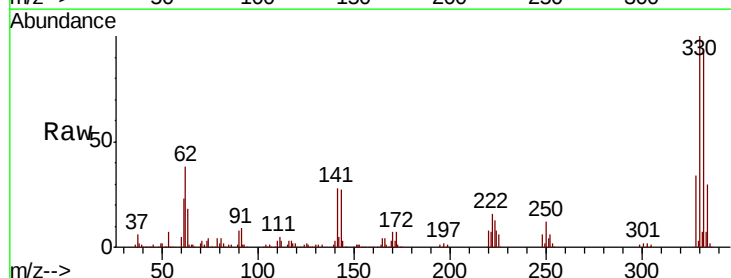
Tgt Ion:330 Resp: 381270

Ion Ratio Lower Upper

330 100

332 94.0 77.7 116.5

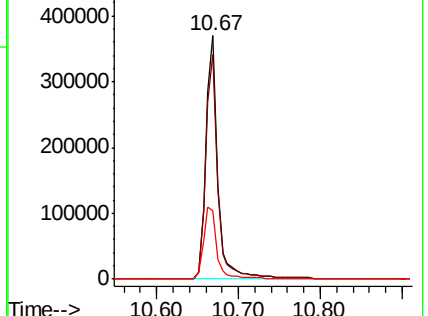
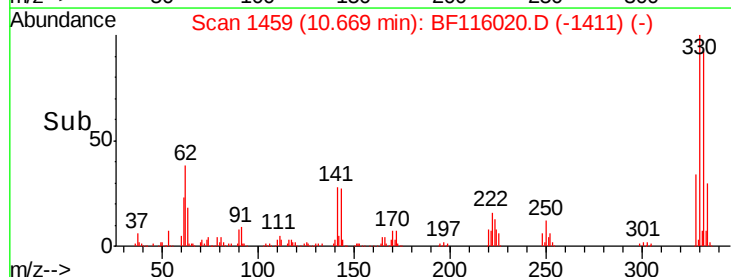
141 33.7 28.1 42.1

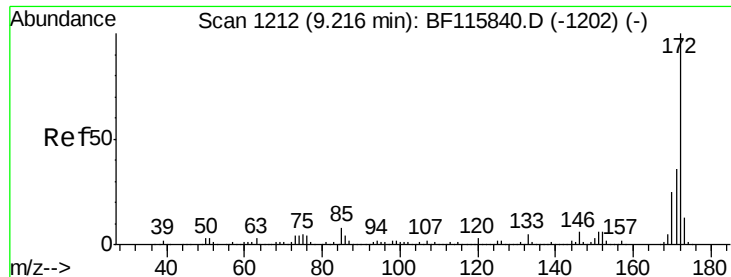


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

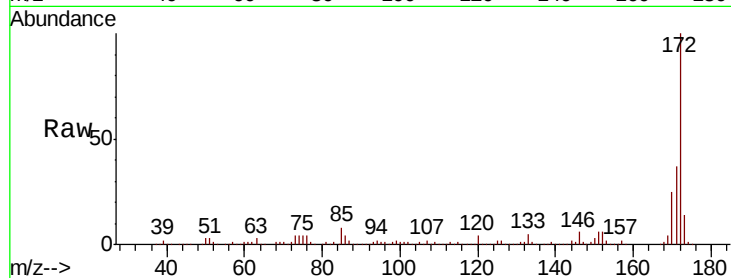




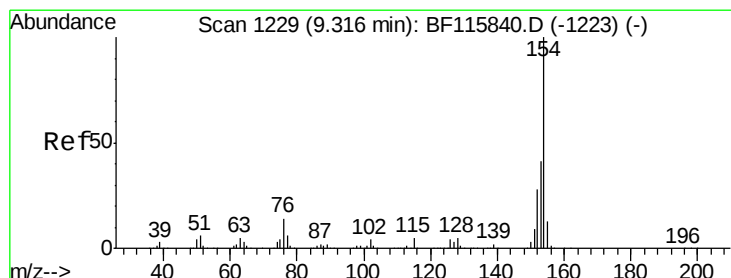
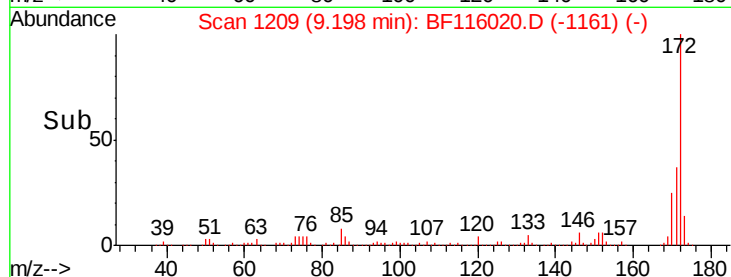
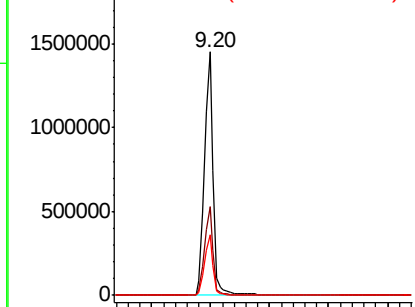
#45  
 2-Fluorobiphenyl  
 Concen: 106.246 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. -0.02 min  
 Lab File: BF116020.D  
 Acq: 6 Aug 2019 18:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1S-A1-A4-COMP-(30)

Tot Ion:172 Resp: 1483574  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.1 43.7  
 170 25.1 20.1 30.1

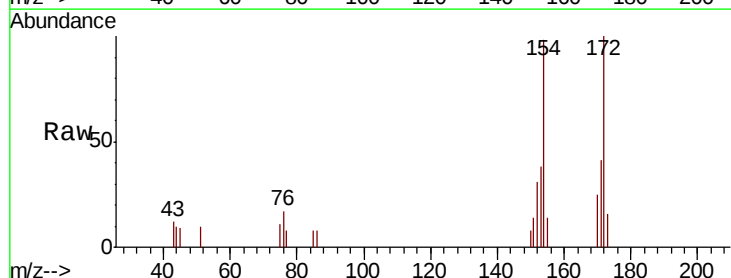


Abundance Ion 172.00 (171.70 to 172.70): E  
 2000000 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

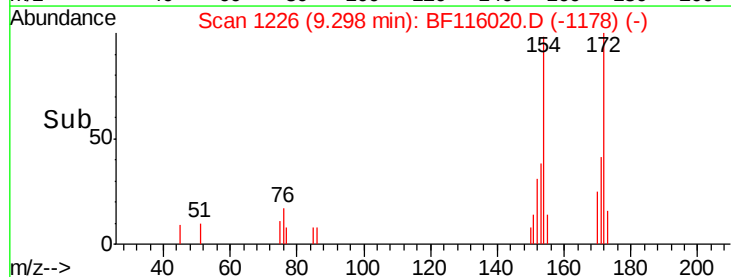
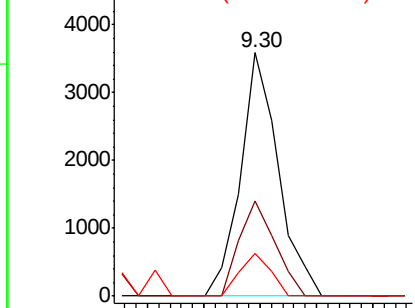


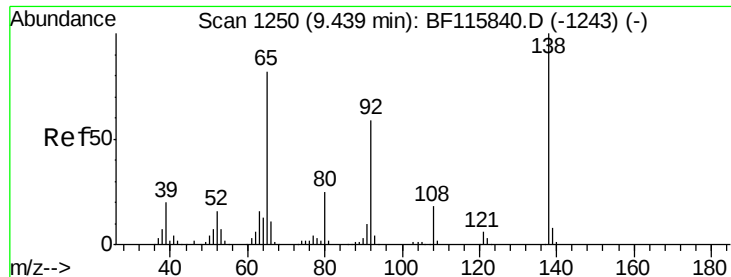
#46  
 1,1'-Biphenyl  
 Concen: 0.180 ng  
 RT: 9.30 min Scan# 1226  
 Delta R.T. -0.02 min  
 Lab File: BF116020.D  
 Acq: 6 Aug 2019 18:28

Tgt Ion:154 Resp: 3328  
 Ion Ratio Lower Upper  
 154 100  
 153 39.1 20.9 60.9  
 76 17.7 0.0 34.3



Abundance Ion 154.00 (153.70 to 154.70): E  
 5000 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

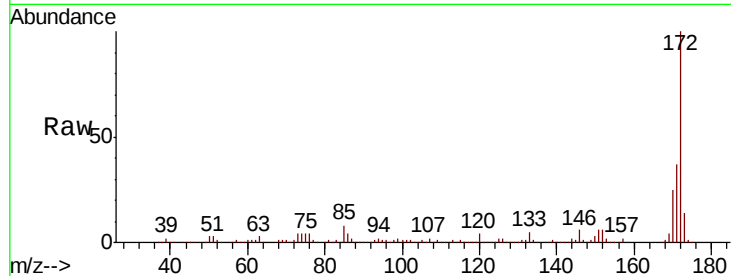




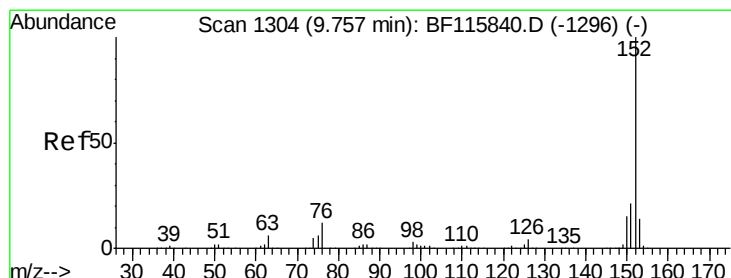
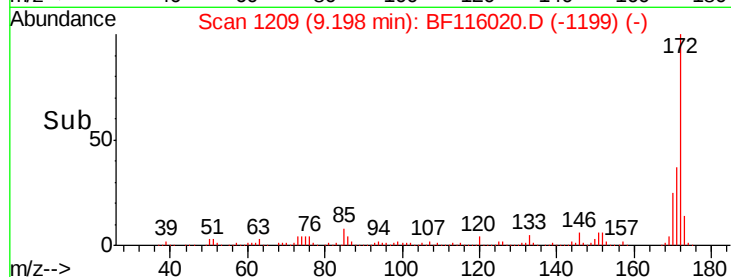
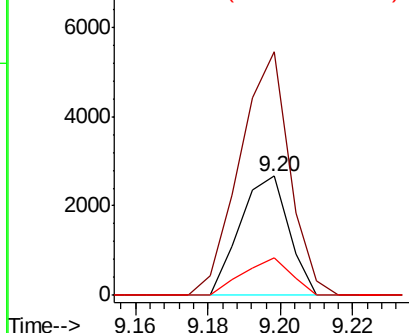
#48  
2-Nitroaniline  
Concen: 0.489 ng  
RT: 9.20 min Scan# 1209  
Delta R.T. -0.24 min  
Lab File: BF116020.D  
Acq: 6 Aug 2019 18:28

Instrument :  
BNA\_F  
ClientSampleId :  
1S-A1-A4-COMP-(30)

Tot Ion: 65 Resp: 2484  
Ion Ratio Lower Upper  
65 100  
92 204.7 57.1 85.7#  
138 31.3 97.1 145.7#

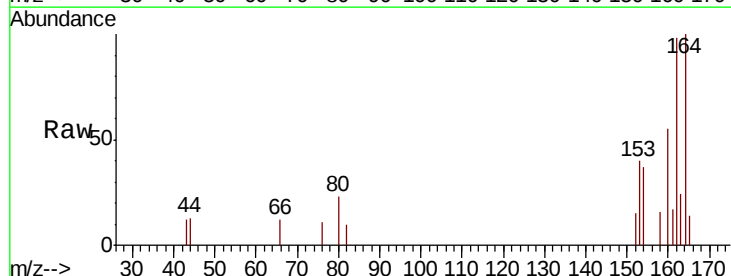


Abundance Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

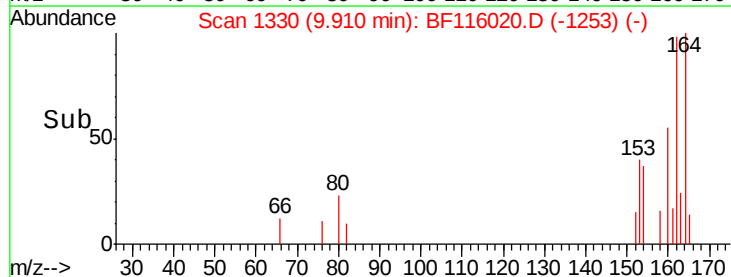
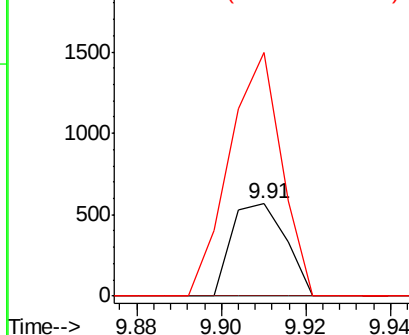


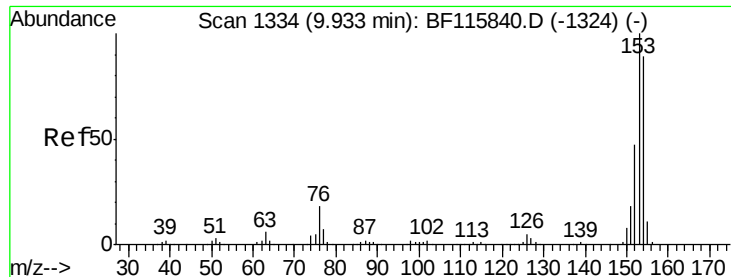
#49  
Acenaphthylene  
Concen: 0.022 ng  
RT: 9.91 min Scan# 1330  
Delta R.T. 0.15 min  
Lab File: BF116020.D  
Acq: 6 Aug 2019 18:28

Tgt Ion: 152 Resp: 503  
Ion Ratio Lower Upper  
152 100  
151 0.0 16.8 25.2#  
153 263.8 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





#52

Acenaphthene

Concen: 0.096 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.03 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

Instrument :

BNA\_F

ClientSampleId :

1S-A1-A4-COMP-(30)

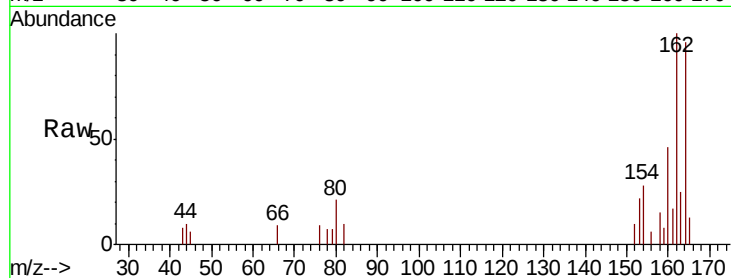
Tot Ion:154 Resp: 1316

Ion Ratio Lower Upper

154 100

153 79.4 90.1 135.1#

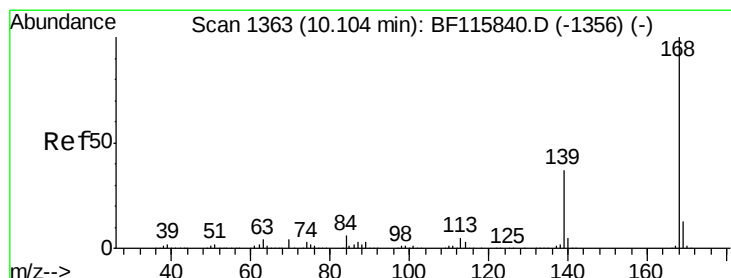
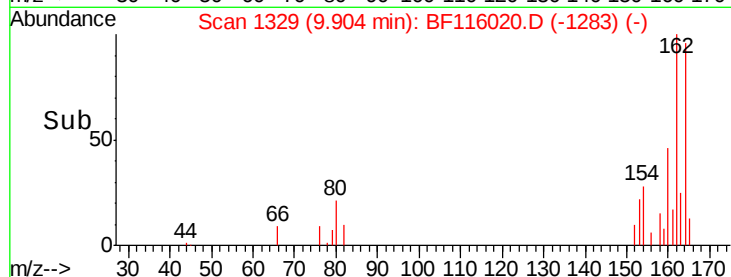
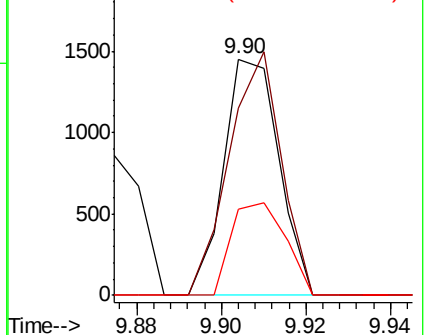
152 36.3 42.6 63.8#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 0.042 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

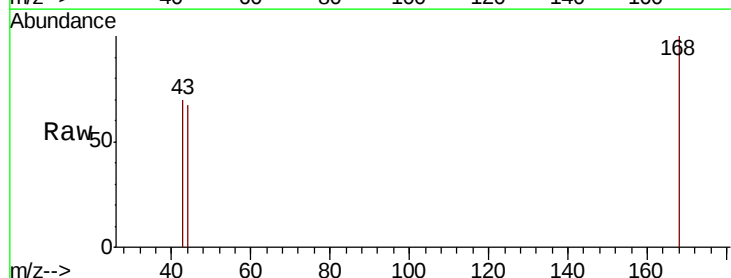
Tgt Ion:168 Resp: 848

Ion Ratio Lower Upper

168 100

139 0.0 30.2 45.2#

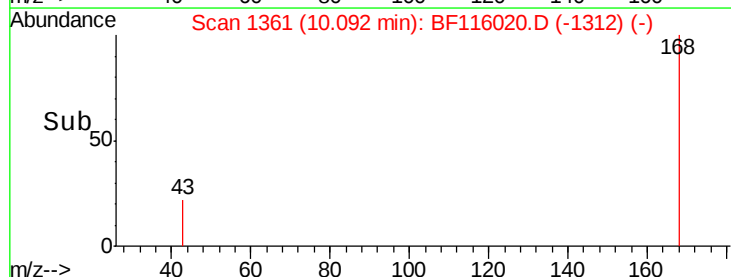
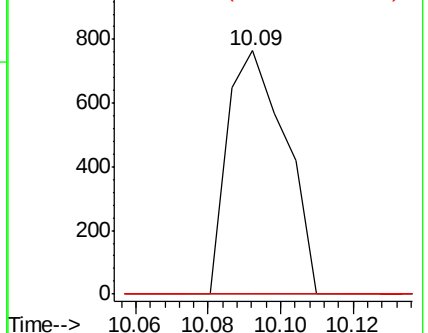
169 0.0 10.8 16.2#

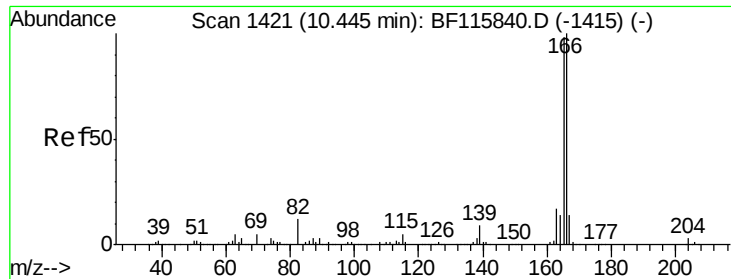


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 0.068 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.02 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

Instrument :

BNA\_F

ClientSampleId :

1S-A1-A4-COMP-(30)

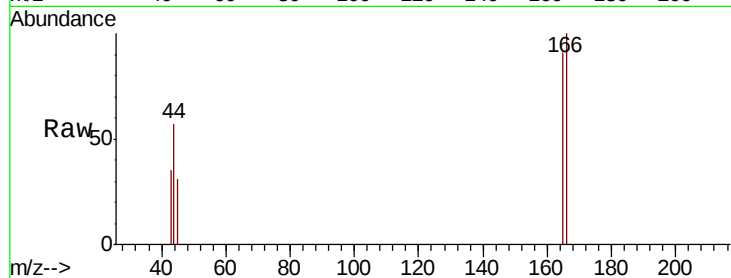
Tot Ion:166 Resp: 1040

Ion Ratio Lower Upper

166 100

165 90.9 78.6 118.0

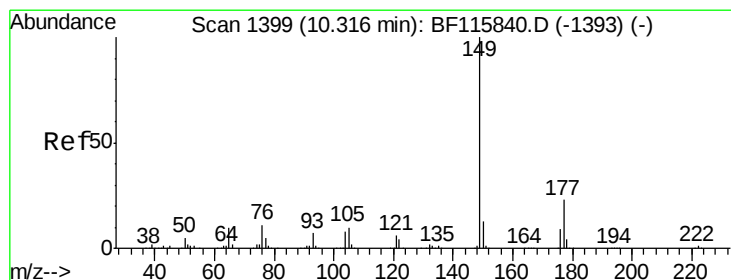
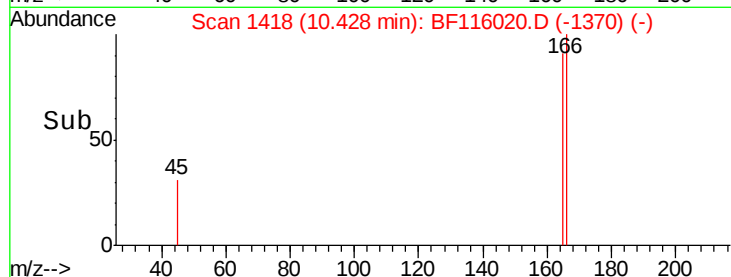
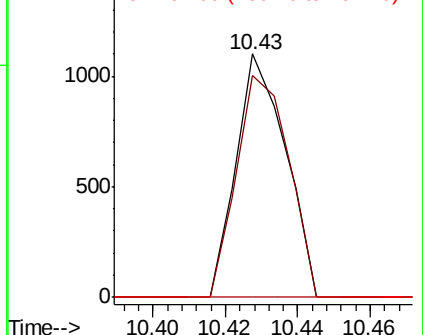
167 0.0 10.9 16.3#



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



#60

Diethylphthalate

Concen: 0.143 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.03 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

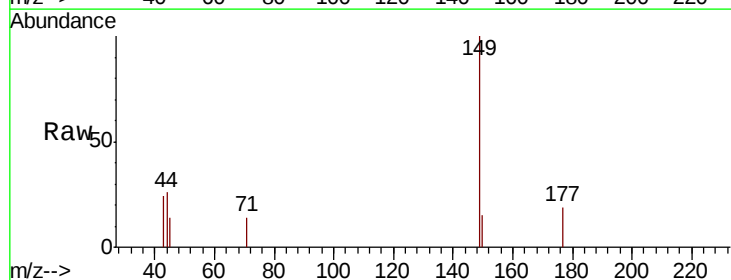
Tgt Ion:149 Resp: 2376

Ion Ratio Lower Upper

149 100

177 18.7 18.4 27.6

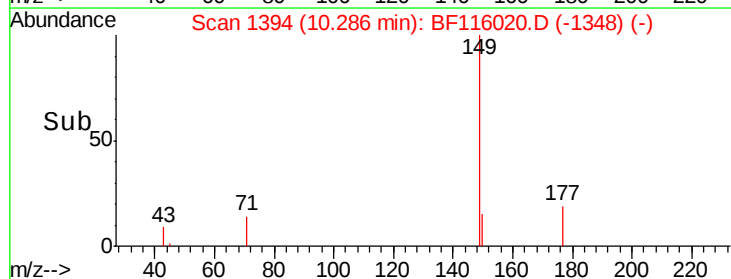
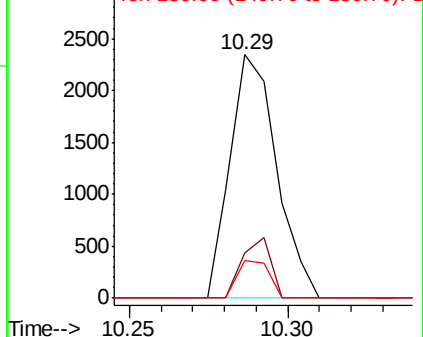
150 15.4 10.1 15.1#

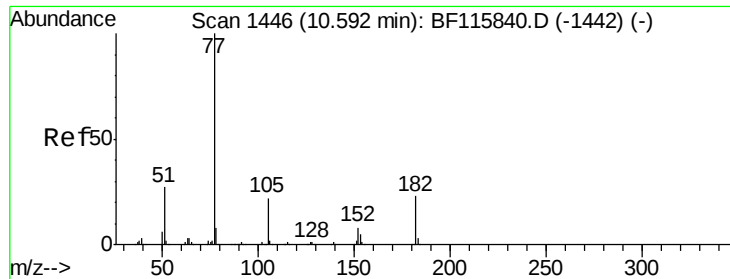


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

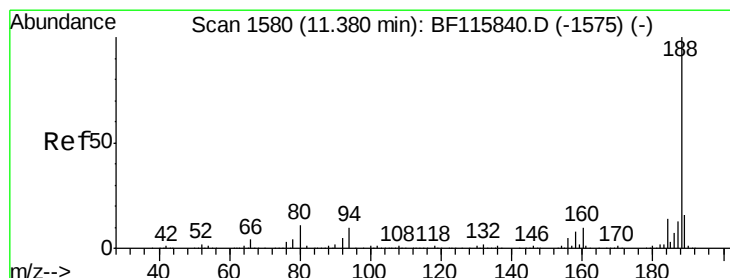
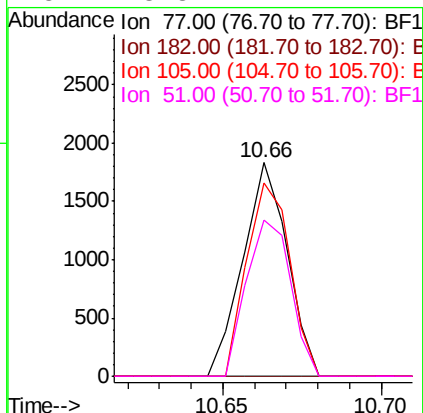
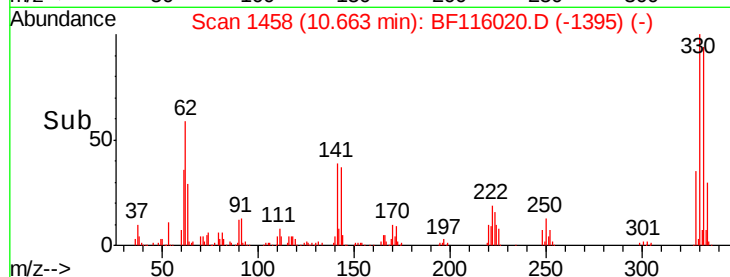
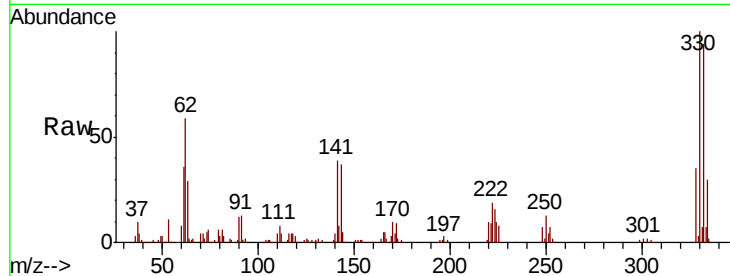




#63  
Azobenzene  
Concen: 0.104 ng  
RT: 10.66 min Scan# 1458  
Delta R.T. 0.07 min  
Lab File: BF116020.D  
Acq: 6 Aug 2019 18:28

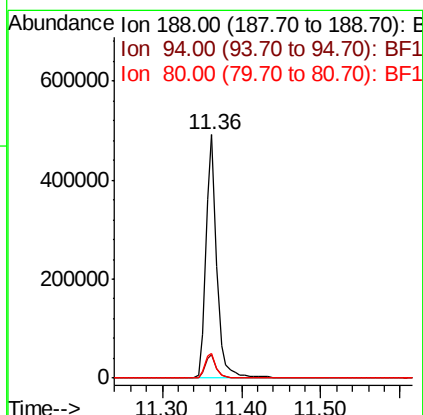
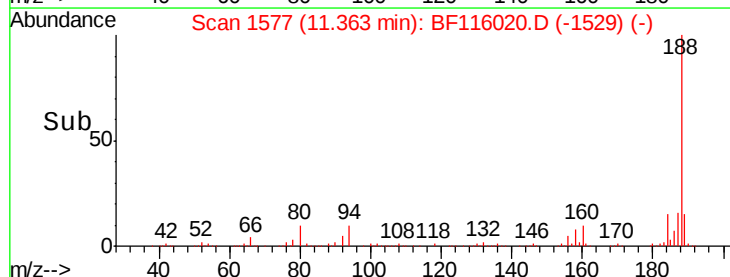
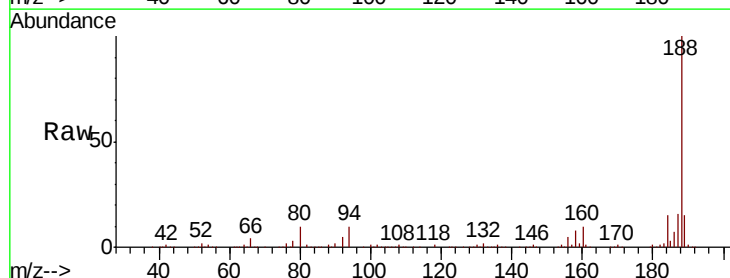
Instrument :  
BNA\_F  
ClientSampleId :  
1S-A1-A4-COMP-(30)

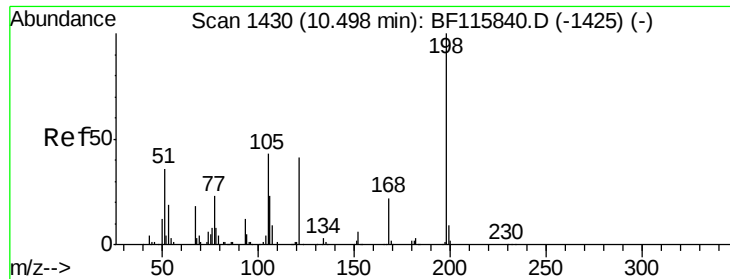
Tot Ion: 77 Resp: 1783  
Ion Ratio Lower Upper  
77 100  
182 0.0 2.6 42.6#  
105 90.7 1.6 41.6#  
51 73.3 7.4 47.4#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1577  
Delta R.T. -0.02 min  
Lab File: BF116020.D  
Acq: 6 Aug 2019 18:28

Tgt Ion: 188 Resp: 470955  
Ion Ratio Lower Upper  
188 100  
94 9.6 8.0 12.0  
80 10.0 8.6 12.8





#65

4,6-Dinitro-2-methylphenol

Concen: 0.294 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.17 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

Instrument :

BNA\_F

ClientSampleId :

1S-A1-A4-COMP-(30)

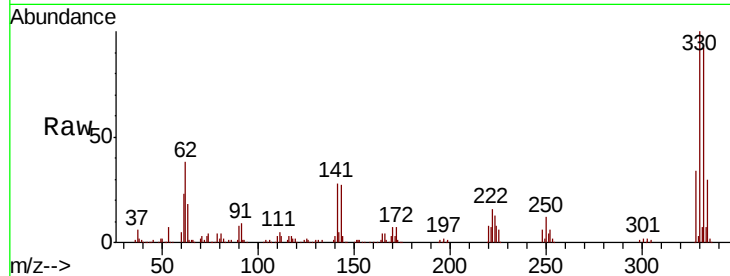
Tot Ion:198 Resp: 733

Ion Ratio Lower Upper

198 100

51 143.8 21.1 61.1#

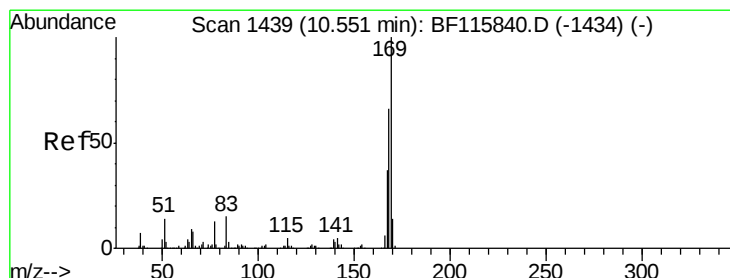
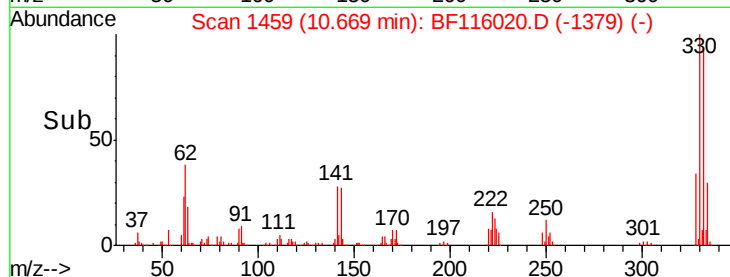
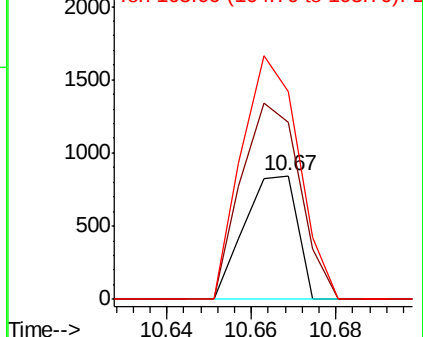
105 169.0 24.5 64.5#



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

n-Nitrosodiphenylamine

Concen: 0.779 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.12 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

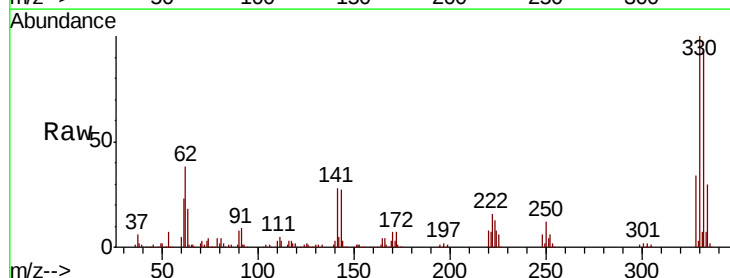
Tgt Ion:169 Resp: 11041

Ion Ratio Lower Upper

169 100

168 7.9 53.0 79.6#

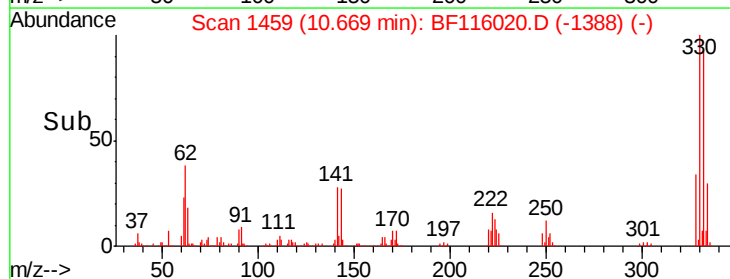
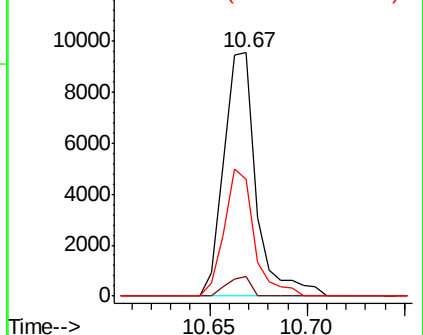
167 48.2 29.9 44.9#

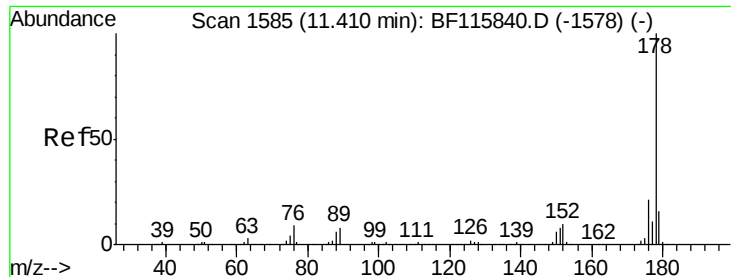


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

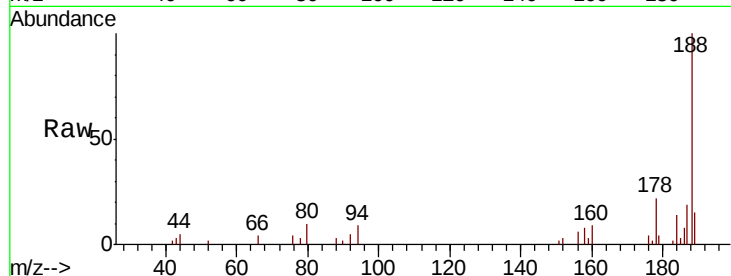




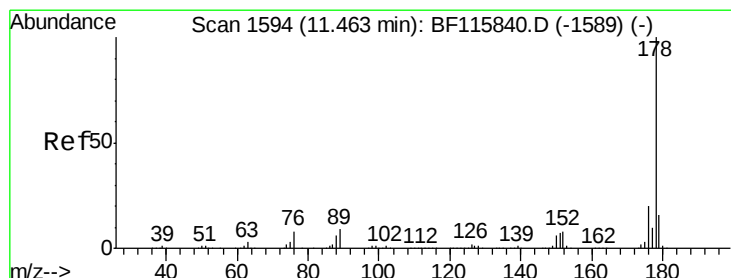
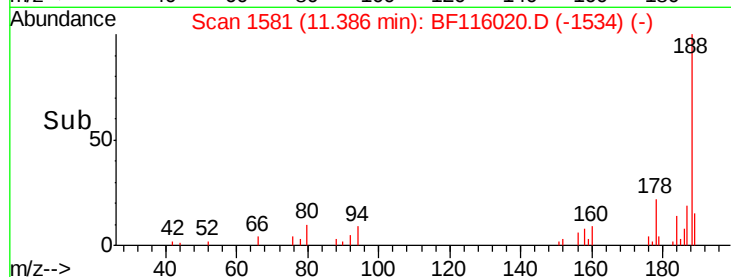
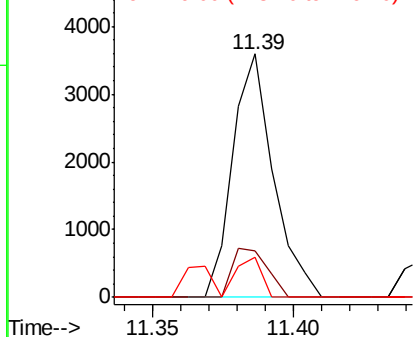
#71  
Phenanthrene  
Concen: 0.150 ng  
RT: 11.39 min Scan# 1581  
Delta R.T. -0.02 min  
Lab File: BF116020.D  
Acq: 6 Aug 2019 18:28

Instrument :  
BNA\_F  
ClientSampleId :  
1S-A1-A4-COMP-(30)

Tot Ion:178 Resp: 3605  
Ion Ratio Lower Upper  
178 100  
176 19.0 16.5 24.7  
179 16.7 12.6 18.8

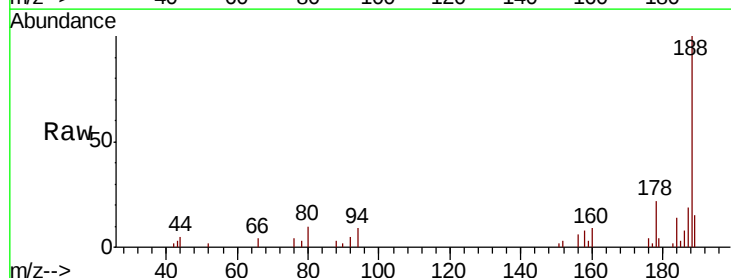


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

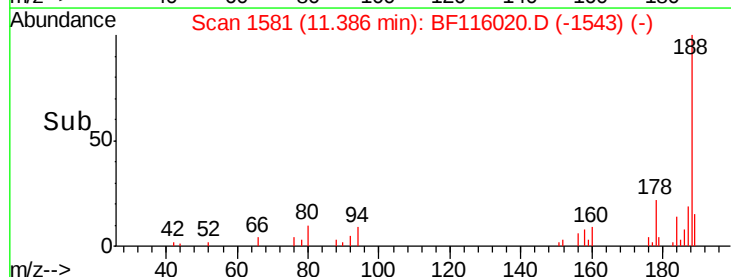
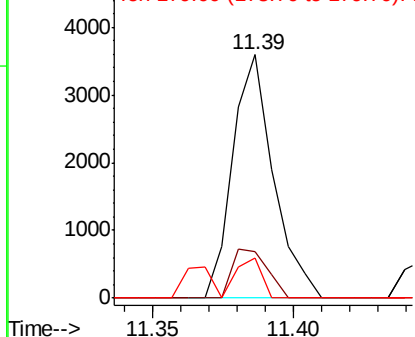


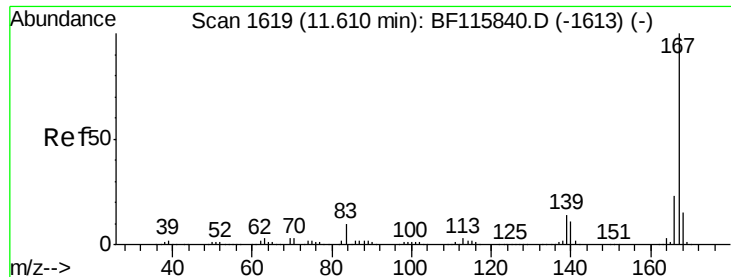
#72  
Anthracene  
Concen: 0.148 ng  
RT: 11.39 min Scan# 1581  
Delta R.T. -0.08 min  
Lab File: BF116020.D  
Acq: 6 Aug 2019 18:28

Tgt Ion:178 Resp: 3605  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.7 23.5  
179 16.7 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

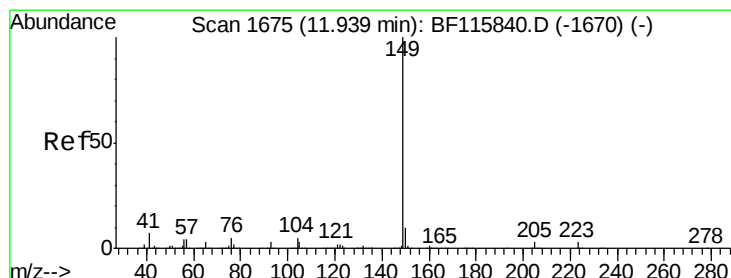
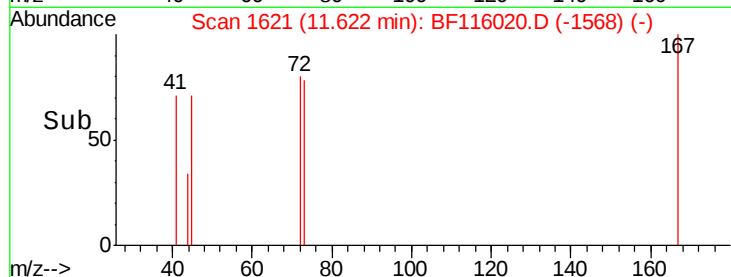
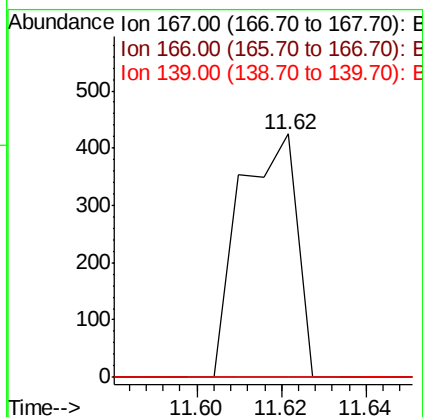
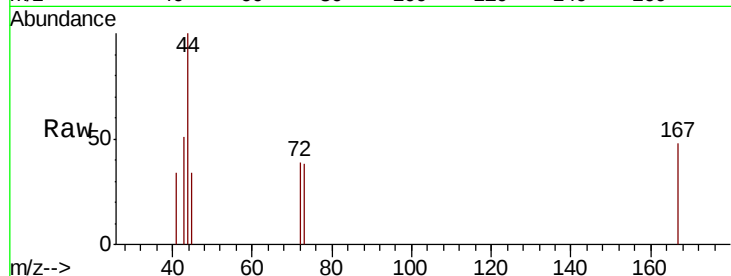




#73  
 Carbazole  
 Concen: 0.018 ng  
 RT: 11.62 min Scan# 1621  
 Delta R.T. 0.01 min  
 Lab File: BF116020.D  
 Acq: 6 Aug 2019 18:28

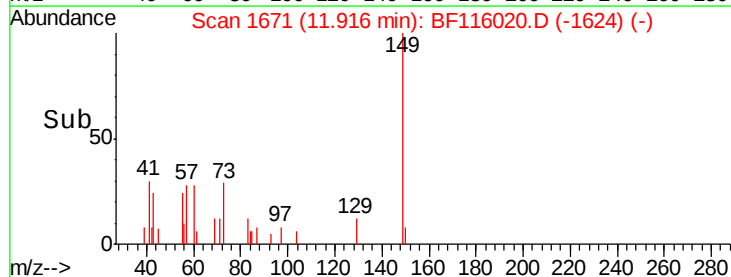
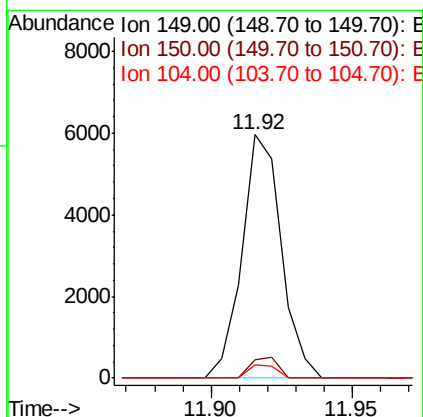
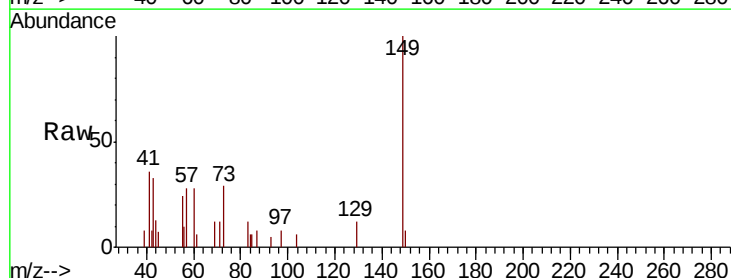
Instrument :  
 BNA\_F  
 ClientSampleId :  
 1S-A1-A4-COMP-(30)

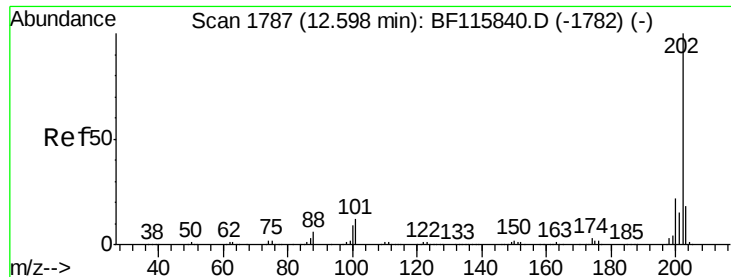
Tot Ion:167 Resp: 398  
 Ion Ratio Lower Upper  
 167 100  
 166 0.0 18.0 27.0#  
 139 0.0 11.4 17.2#



#74  
 Di-n-butylphthalate  
 Concen: 0.223 ng  
 RT: 11.92 min Scan# 1671  
 Delta R.T. -0.02 min  
 Lab File: BF116020.D  
 Acq: 6 Aug 2019 18:28

Tgt Ion:149 Resp: 5752  
 Ion Ratio Lower Upper  
 149 100  
 150 7.7 7.7 11.5  
 104 5.6 4.3 6.5





#75

Fluoranthene

Concen: 0.029 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.02 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

Instrument :

BNA\_F

ClientSampleId :

1S-A1-A4-COMP-(30)

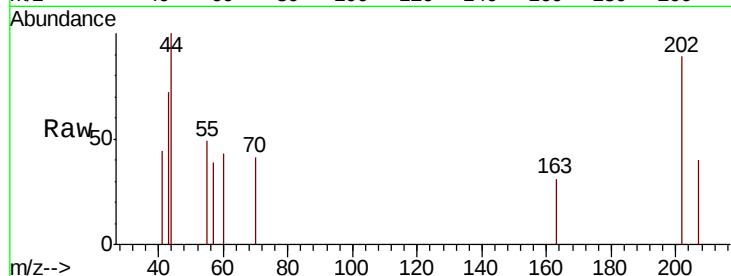
Tot Ion:202 Resp: 731

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.5

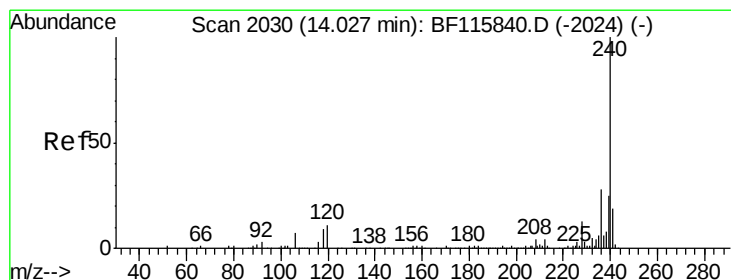
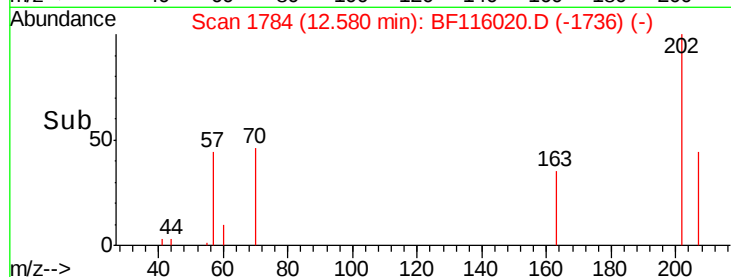
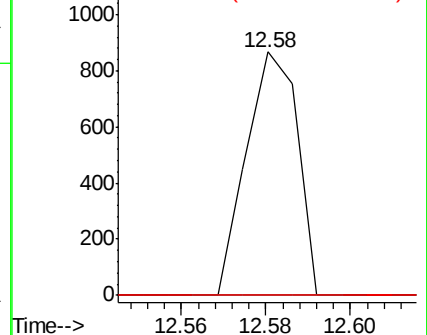
203 0.0 0.0 37.9



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: 14.00 min Scan# 2025

Delta R.T. -0.03 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

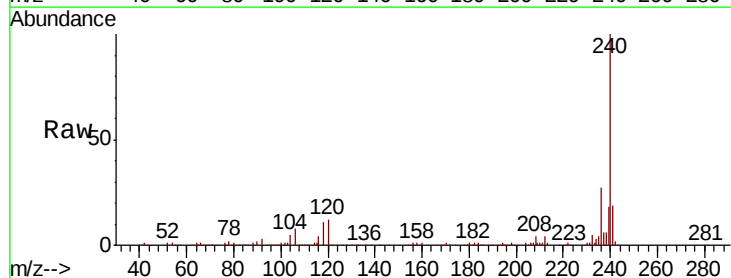
Tgt Ion:240 Resp: 361002

Ion Ratio Lower Upper

240 100

120 12.0 8.5 12.7

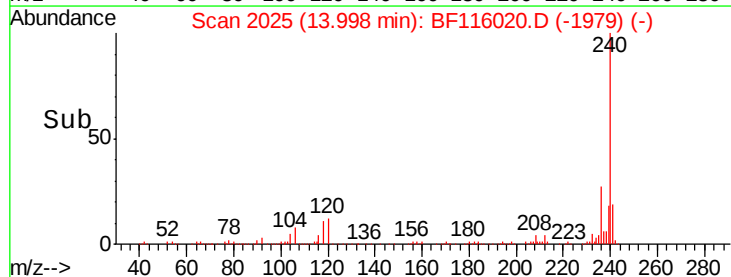
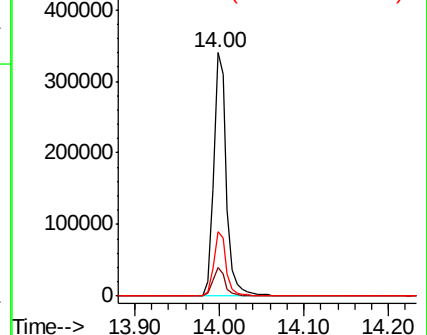
236 26.7 22.2 33.2

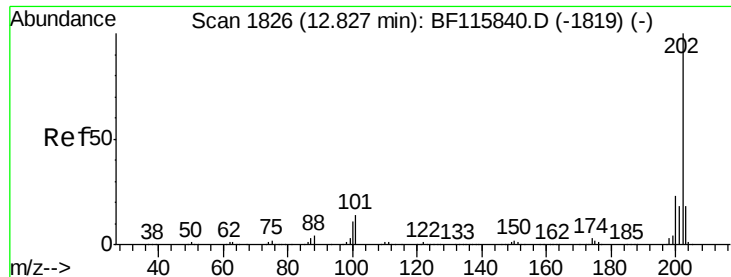


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

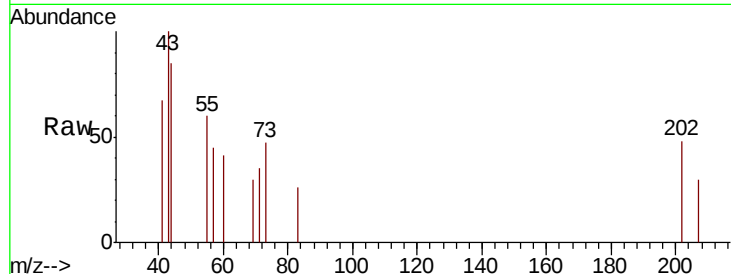




#78  
 Pvrene  
 Concen: 0.020 ng  
 RT: 12.80 min Scan# 1822  
 Delta R.T. -0.02 min  
 Lab File: BF116020.D  
 Acq: 6 Aug 2019 18:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1S-A1-A4-COMP-(30)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 0.0   | 18.2  | 27.2  |
| 203     | 0.0   | 14.3  | 21.5  |

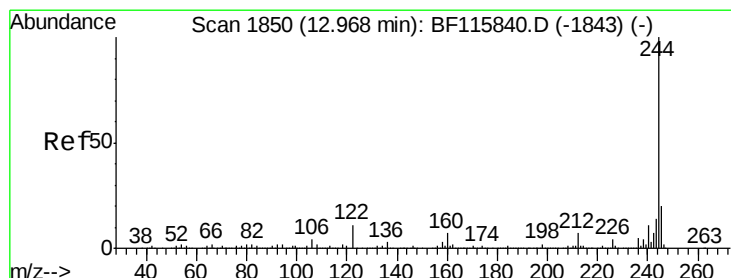
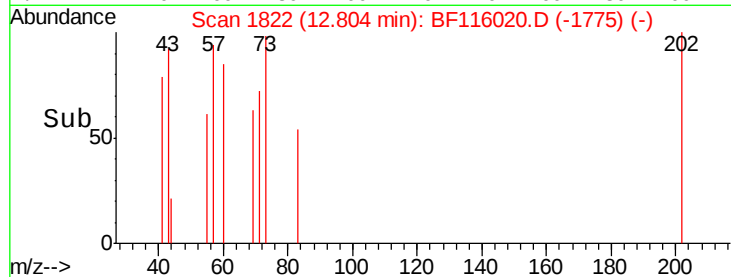
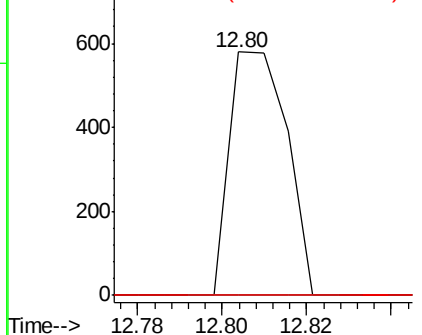


Abundance

Ion 202.00 (201.70 to 202.70): E

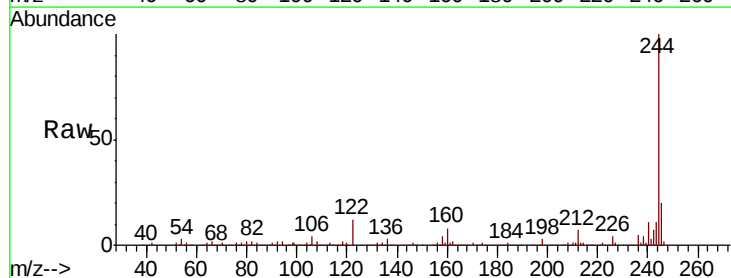
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79  
 Terphenyl-d14  
 Concen: 103.160 ng  
 RT: 12.95 min Scan# 1846  
 Delta R.T. -0.02 min  
 Lab File: BF116020.D  
 Acq: 6 Aug 2019 18:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 5.6   | 8.4   |
| 122     | 12.0  | 8.6   | 13.0  |

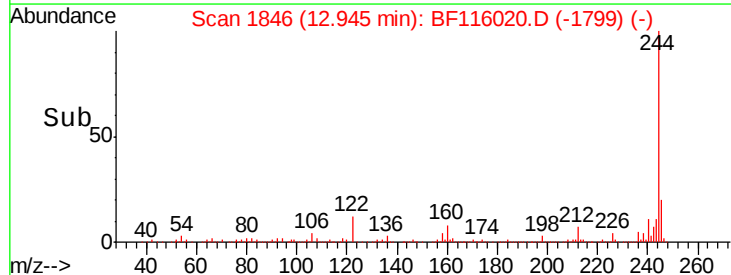
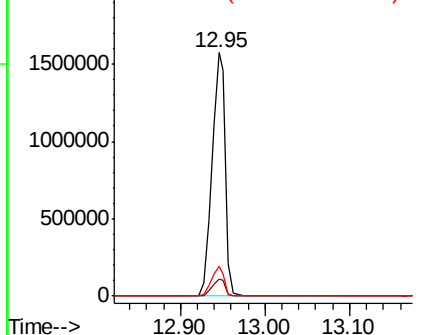


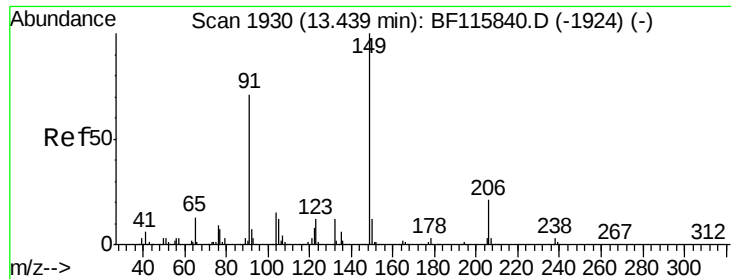
Abundance

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

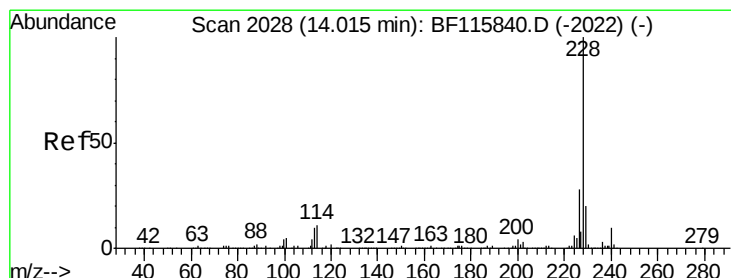
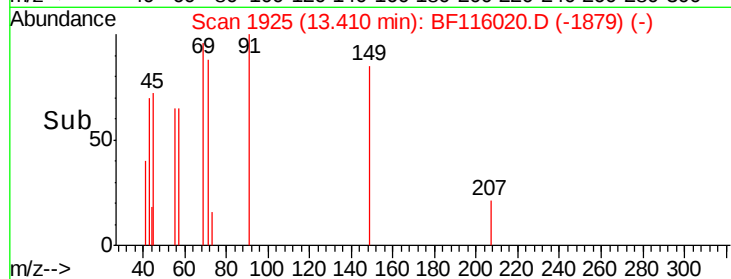
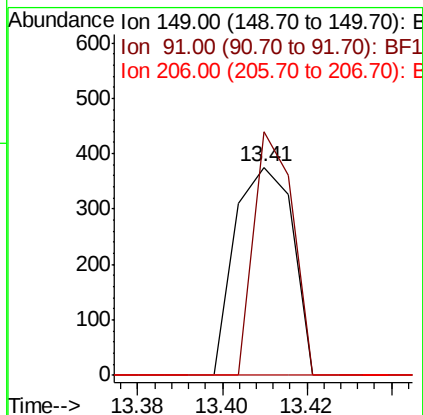
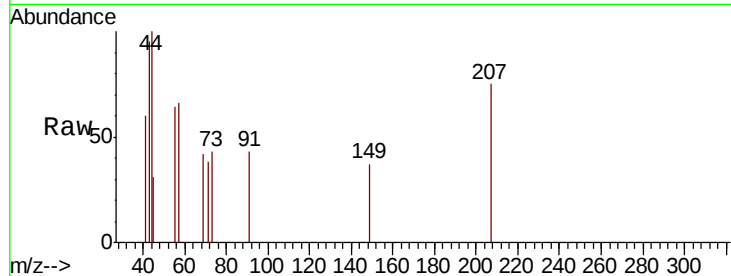




#80  
 Butylbenzylphthalate  
 Concen: 0.031 ng  
 RT: 13.41 min Scan# 1925  
 Delta R.T. -0.03 min  
 Lab File: BF116020.D  
 Acq: 6 Aug 2019 18:28

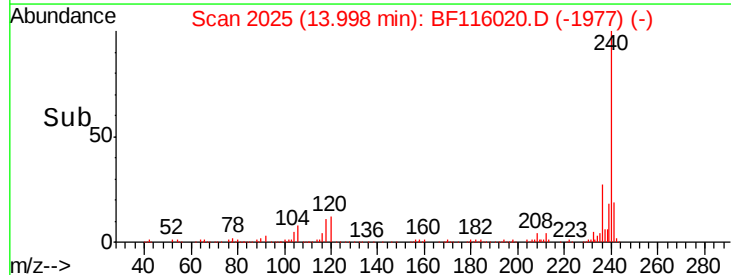
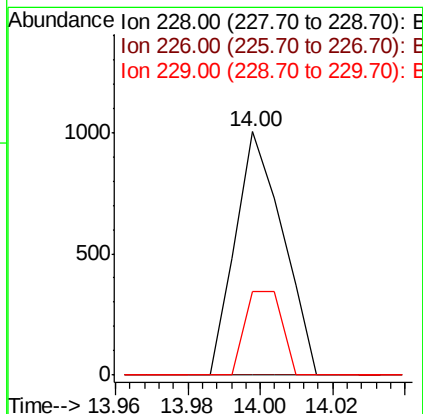
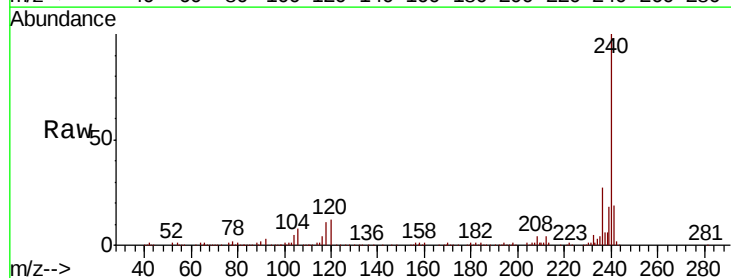
Instrument :  
 BNA\_F  
 ClientSampleId :  
 1S-A1-A4-COMP-(30)

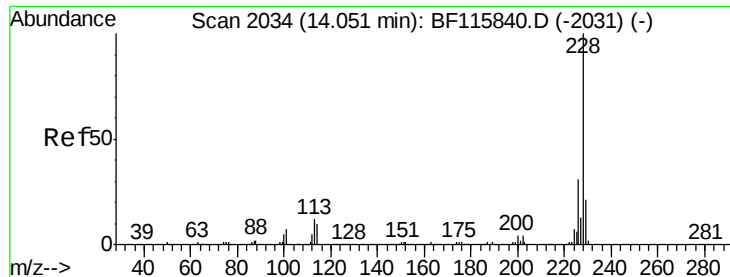
Tot Ion:149 Resp: 357  
 Ion Ratio Lower Upper  
 149 100  
 91 117.1 57.0 85.6#  
 206 0.0 16.9 25.3#



#81  
 Benzo(a)anthracene  
 Concen: 0.039 ng  
 RT: 14.00 min Scan# 2025  
 Delta R.T. -0.02 min  
 Lab File: BF116020.D  
 Acq: 6 Aug 2019 18:28

Tgt Ion:228 Resp: 910  
 Ion Ratio Lower Upper  
 228 100  
 226 0.0 22.5 33.7#  
 229 34.6 16.1 24.1#





#83

Chrysene

Concen: 0.041 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.05 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

Instrument :

BNA\_F

ClientSampleId :

1S-A1-A4-COMP-(30)

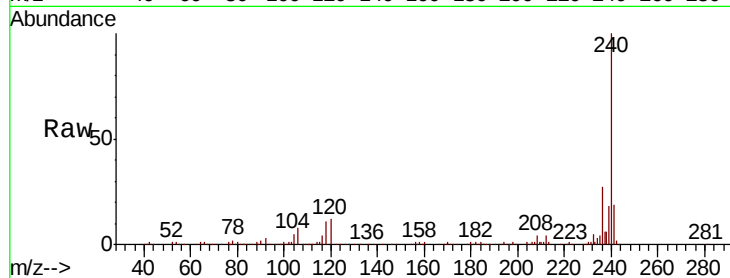
Tot Ion:228 Resp: 910

Ion Ratio Lower Upper

228 100

226 0.0 24.8 37.2#

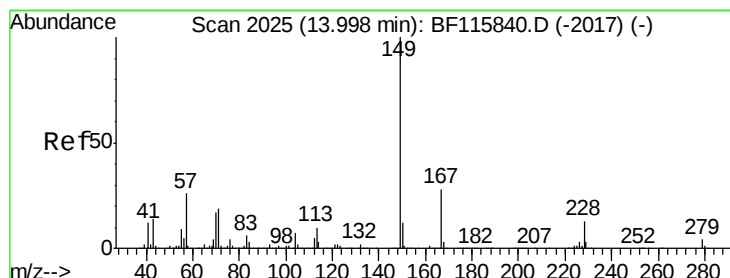
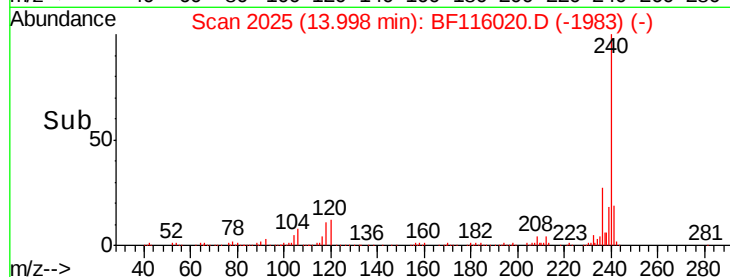
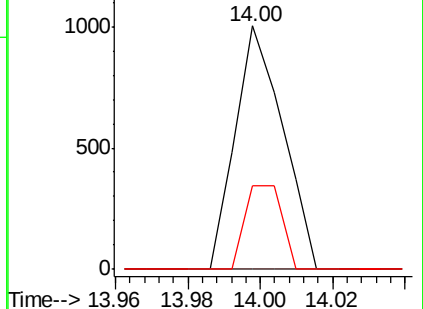
229 34.6 16.4 24.6#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.075 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.03 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

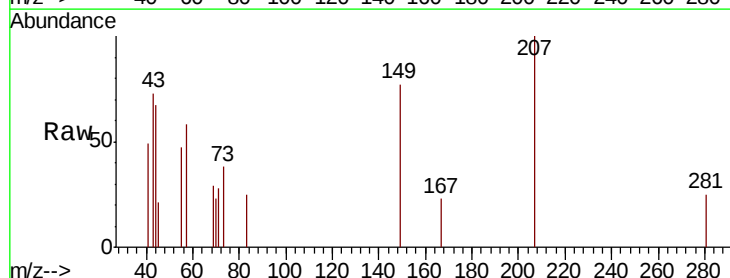
Tgt Ion:149 Resp: 1116

Ion Ratio Lower Upper

149 100

167 29.9 22.4 33.6

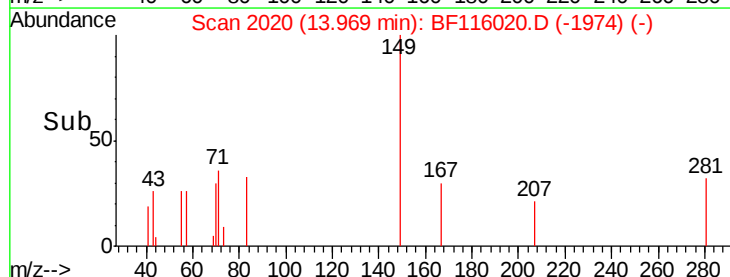
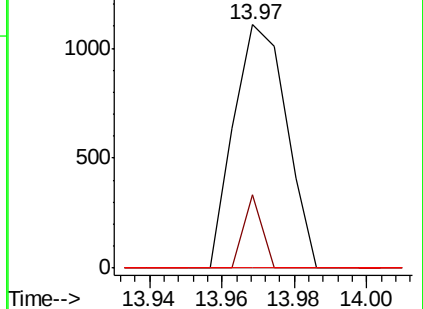
279 0.0 3.3 4.9#

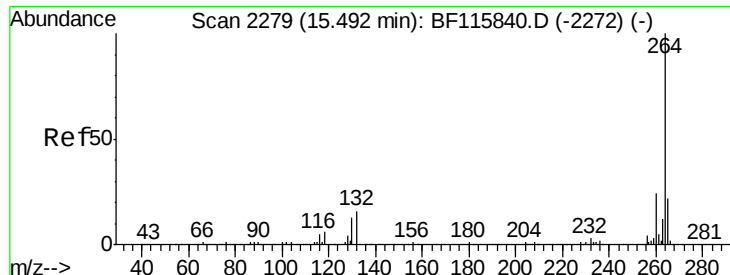


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



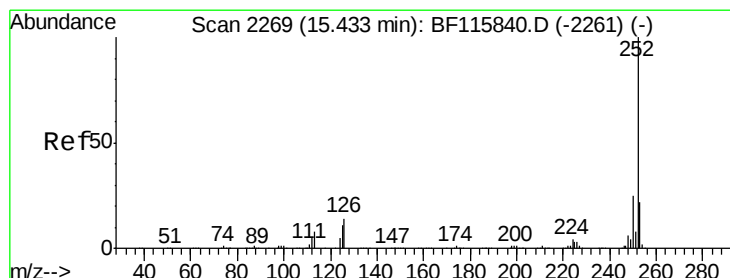
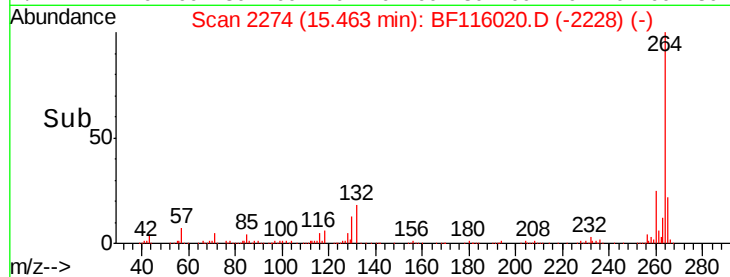
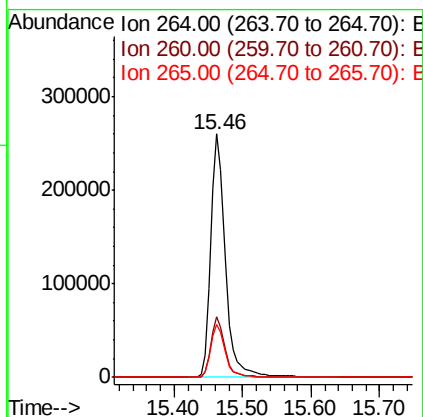
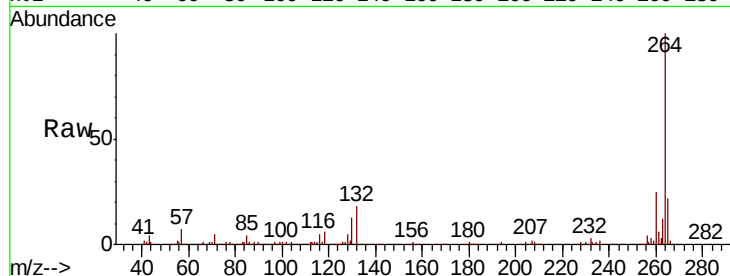


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.46 min Scan# 2274  
Delta R.T. -0.03 min  
Lab File: BF116020.D  
Acq: 6 Aug 2019 18:28

Instrument :  
BNA\_F  
ClientSampleId :  
1S-A1-A4-COMP-(30)

Tot Ion:264 Resp: 385170  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.8  | 19.4  | 29.2  |
| 265 | 21.8  | 17.5  | 26.3  |



#90  
Benzo(a)pyrene  
Concen: 0.056 ng  
RT: 15.46 min Scan# 2274  
Delta R.T. 0.03 min  
Lab File: BF116020.D  
Acq: 6 Aug 2019 18:28

Tgt Ion:252 Resp: 1124  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 40.0  | 17.8  | 26.6# |
| 125 | 76.5  | 8.8   | 13.2# |

