

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF051219\  
 Data File : BF114196.D  
 Acq On : 12 May 2019 16:56  
 Operator : JU/SJ  
 Sample : K2767-15  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P026-SS012-0002-02

Quant Time: May 13 07:46:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 10 15:56:46 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 292295   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 1068187  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.89  | 164  | 489488   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.37 | 188  | 827928   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.03 | 240  | 464124   | 20.00 | ng    | 0.01     |
| 87) Perylene-d12          | 15.51 | 264  | 579386   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.49  | 112 | 1627429 | 89.60  | ng | 0.00 |
| 7) Phenol-d6             | 6.50  | 99  | 2202538 | 102.53 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.42  | 82  | 1457957 | 76.60  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.68 | 330 | 441532  | 87.25  | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.21  | 172 | 2073021 | 64.06  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.96 | 244 | 1473024 | 65.43  | ng | 0.00 |

## Target Compounds

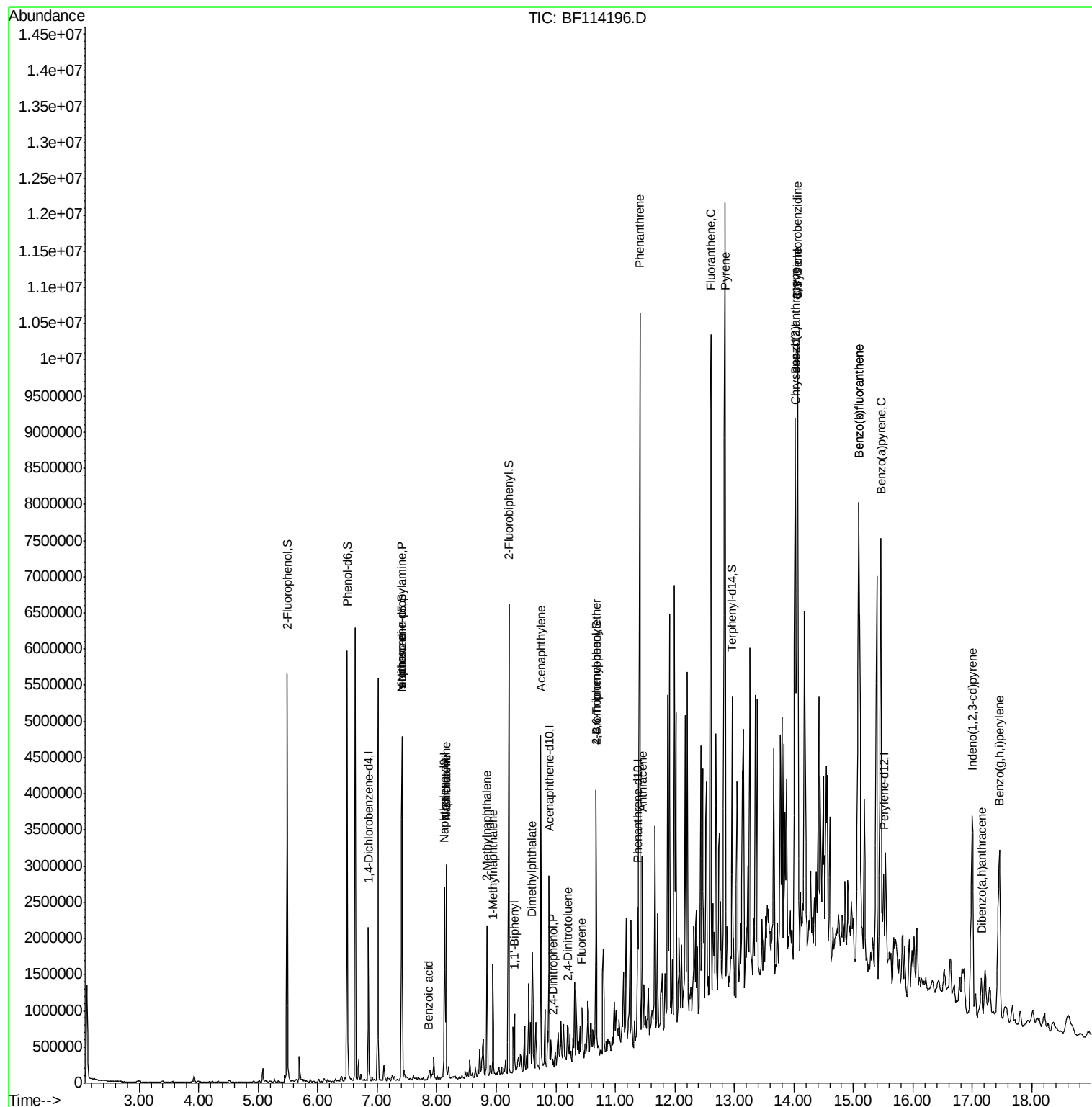
|                                |       |     |         |         |    | Qvalue |
|--------------------------------|-------|-----|---------|---------|----|--------|
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70  | 197052  | 14.472  | ng | # 75   |
| 25) Isophorone                 | 7.42  | 82  | 1454260 | 41.197  | ng | # 64   |
| 31) Naphthalene                | 8.16  | 128 | 1171568 | 23.480  | ng | 98     |
| 32) Benzoic acid               | 7.86  | 122 | 11998   | 7.993   | ng | 100    |
| 33) 4-Chloroaniline            | 8.16  | 127 | 151705  | 6.672   | ng | # 34   |
| 37) 2-Methylnaphthalene        | 8.85  | 142 | 521941  | 16.213  | ng | 96     |
| 38) 1-Methylnaphthalene        | 8.95  | 142 | 362046  | 11.942  | ng | 99     |
| 46) 1,1'-Biphenyl              | 9.30  | 154 | 229146  | 5.795   | ng | 97     |
| 49) Acenaphthylene             | 9.75  | 152 | 1844413 | 38.105  | ng | 99     |
| 50) Dimethylphthalate          | 9.60  | 163 | 433019  | 12.051  | ng | 99     |
| 54) 2,4-Dinitrophenol          | 9.95  | 184 | 463     | 6.851   | ng | # 1    |
| 57) 2,4-Dinitrotoluene         | 10.19 | 165 | 28649   | 2.648   | ng | # 59   |
| 58) Fluorene                   | 10.43 | 166 | 254671  | 7.570   | ng | 98     |
| 67) 4-Bromophenyl-phenylether  | 10.68 | 248 | 28560   | 3.133   | ng | # 1    |
| 71) Phenanthrene               | 11.41 | 178 | 4678595 | 116.153 | ng | 96     |
| 72) Anthracene                 | 11.45 | 178 | 884342  | 21.859  | ng | 99     |
| 75) Fluoranthene               | 12.61 | 202 | 5190515 | 119.663 | ng | 95     |
| 78) Pyrene                     | 12.85 | 202 | 8133961 | 217.855 | ng | 92     |
| 81) Benzo(a)anthracene         | 14.02 | 228 | 4035620 | 134.434 | ng | # 76   |
| 82) 3,3'-Dichlorobenzidine     | 14.06 | 252 | 118259  | 10.155  | ng | # 1    |
| 83) Chrysene                   | 14.06 | 228 | 4061165 | 138.006 | ng | 94     |
| 86) Indeno(1,2,3-cd)pyrene     | 17.00 | 276 | 2209169 | 84.944  | ng | 96     |
| 88) Benzo(b)fluoranthene       | 15.09 | 252 | 6093838 | 164.171 | ng | # 96   |
| 89) Benzo(k)fluoranthene       | 15.09 | 252 | 6093838 | 178.719 | ng | # 97   |
| 90) Benzo(a)pyrene             | 15.46 | 252 | 3678051 | 112.590 | ng | 98     |
| 91) Dibenzo(a,h)anthracene     | 17.15 | 278 | 444114  | 16.361  | ng | 98     |
| 92) Benzo(g,h,i)perylene       | 17.46 | 276 | 2511499 | 92.322  | ng | 98     |

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

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Sample : K2767-15  
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QLast Update : Fri May 10 15:56:46 2019  
Response via : Initial Calibration

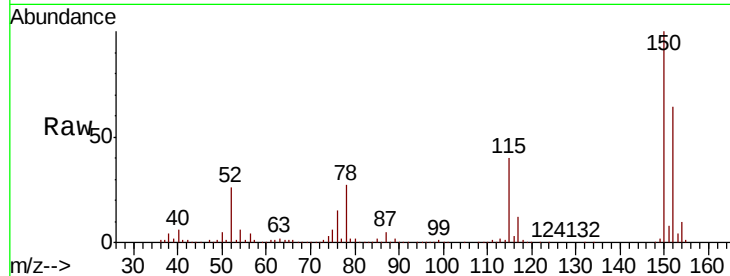




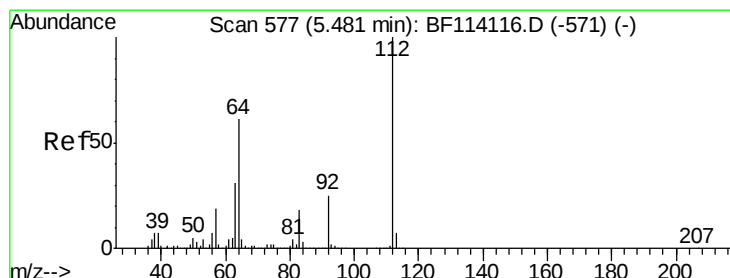
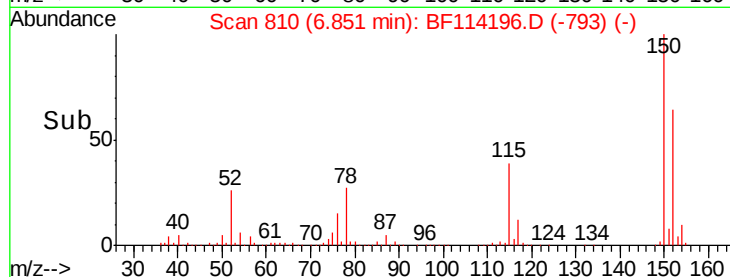
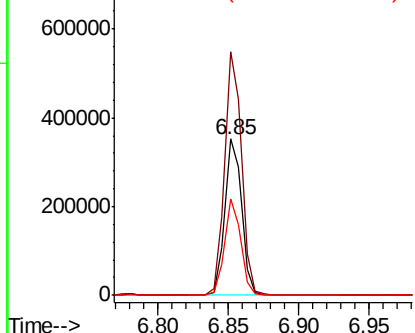
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.85 min Scan# 810  
 Delta R.T. -0.00 min  
 Lab File: BF114196.D  
 Acq: 12 May 2019 16:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P026-SS012-0002-02

Tgt Ion:152 Resp: 292295  
 Ion Ratio Lower Upper  
 152 100  
 150 156.1 124.3 186.5  
 115 61.9 49.1 73.7

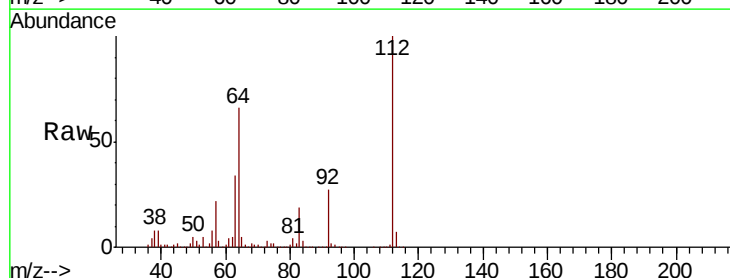


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

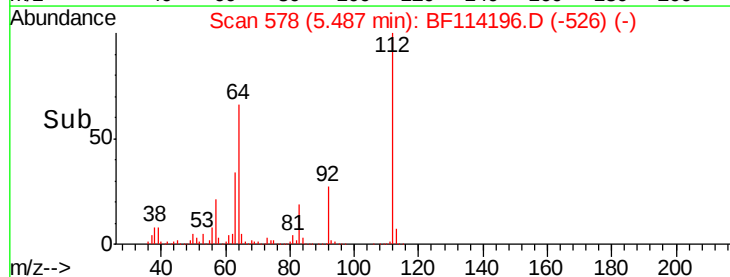
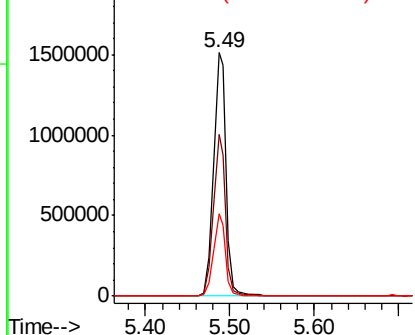


#5  
 2-Fluorophenol  
 Concen: 89.600 ng  
 RT: 5.49 min Scan# 578  
 Delta R.T. 0.01 min  
 Lab File: BF114196.D  
 Acq: 12 May 2019 16:56

Tgt Ion:112 Resp: 1627429  
 Ion Ratio Lower Upper  
 112 100  
 64 66.5 49.0 73.6  
 63 33.9 24.6 37.0



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: 102.528 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

Instrument :

BNA\_F

ClientSampleId :

P026-SS012-0002-02

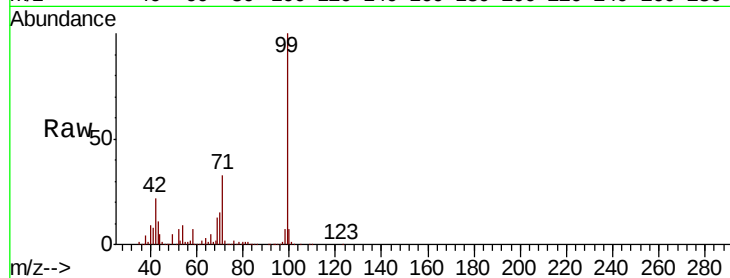
Tgt Ion: 99 Resp: 2202538

Ion Ratio Lower Upper

99 100

42 22.5 17.9 26.9

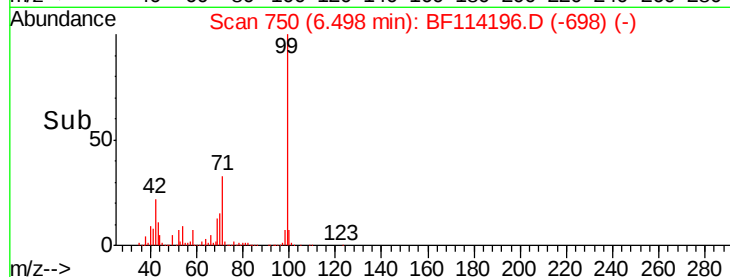
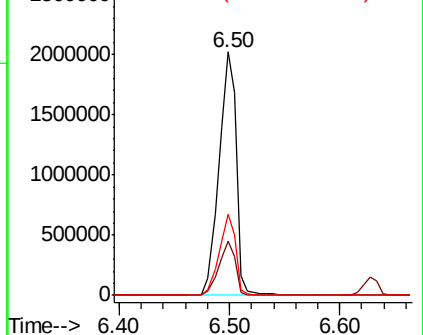
71 33.3 26.2 39.2



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: 14.472 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

Tgt Ion: 70 Resp: 197052

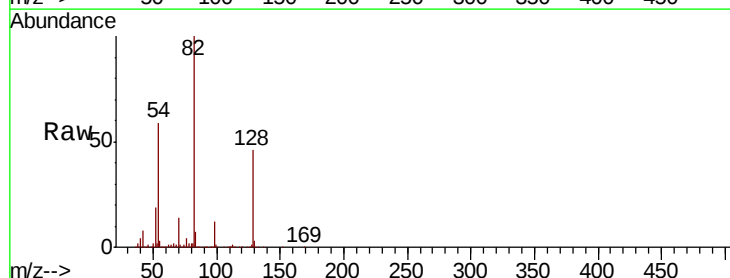
Ion Ratio Lower Upper

70 100

42 56.6 58.6 87.8#

101 0.0 7.8 11.8#

130 2.0 17.1 25.7#

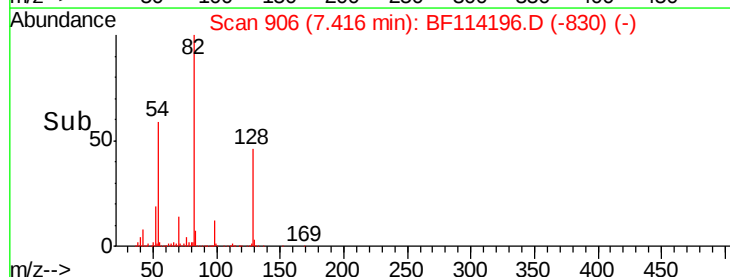
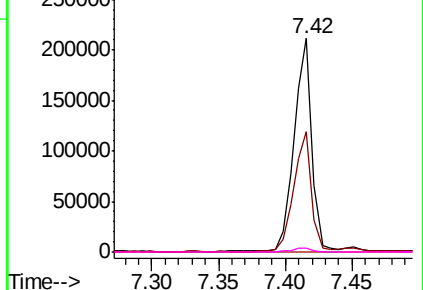


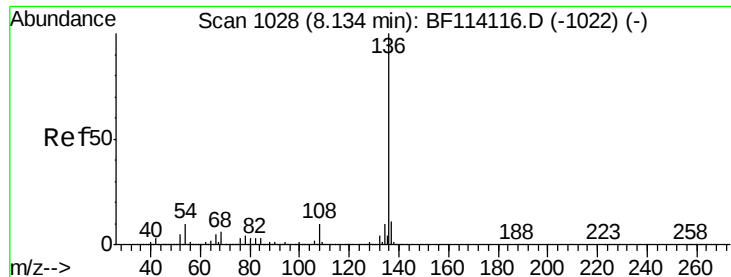
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

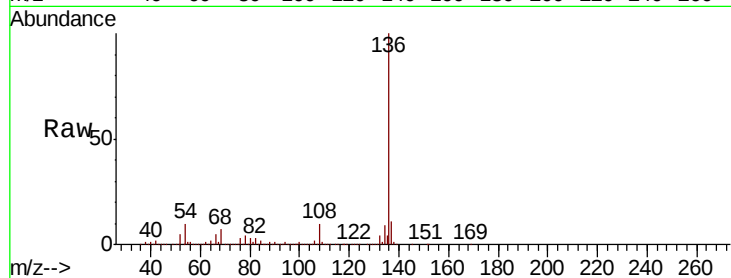




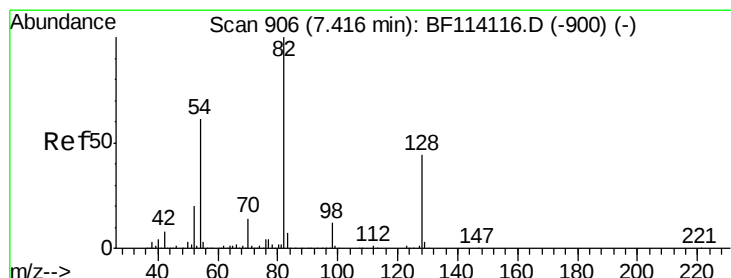
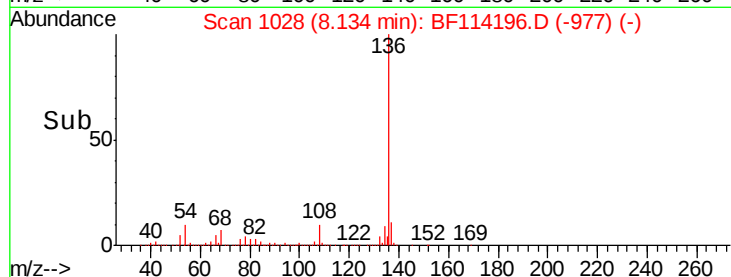
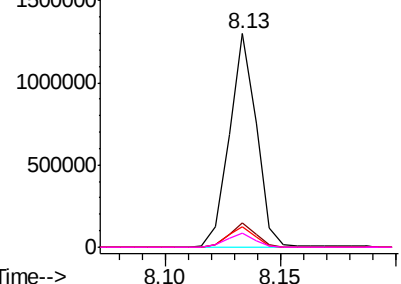
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1028  
Delta R.T. -0.00 min  
Lab File: BF114196.D  
Acq: 12 May 2019 16:56

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BNA\_F  
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P026-SS012-0002-02

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 136   | Resp: | 1068187 |
| Ion      | Ratio | Lower | Upper   |
| 136      | 100   |       |         |
| 137      | 11.2  | 8.8   | 13.2    |
| 54       | 9.6   | 7.8   | 11.8    |
| 68       | 6.8   | 5.1   | 7.7     |

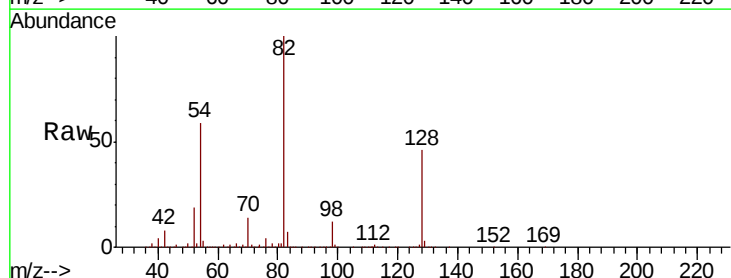


Abundance Ion 136.00 (135.70 to 136.70): E  
2000000 Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

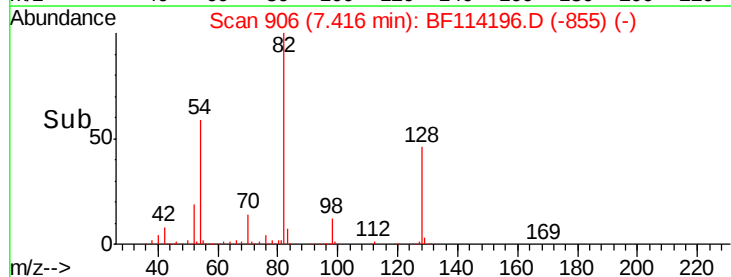
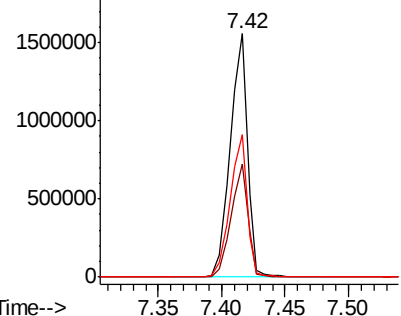


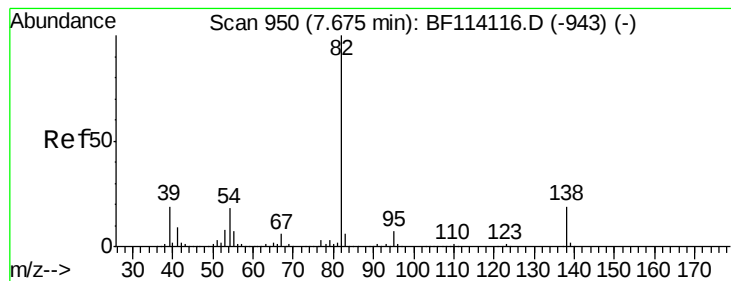
#23  
Nitrobenzene-d5  
Concen: 76.598 ng  
RT: 7.42 min Scan# 906  
Delta R.T. -0.00 min  
Lab File: BF114196.D  
Acq: 12 May 2019 16:56

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1457957 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 46.3  | 35.5  | 53.3    |
| 54       | 58.7  | 48.5  | 72.7    |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
2000000 Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.197 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

Instrument :

BNA\_F

ClientSampleId :

P026-SS012-0002-02

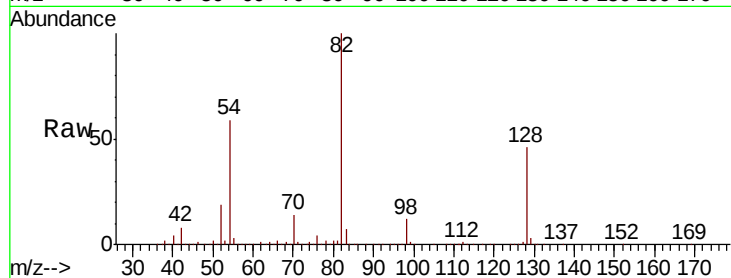
Tgt Ion: 82 Resp: 1454260

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.8 22.2#

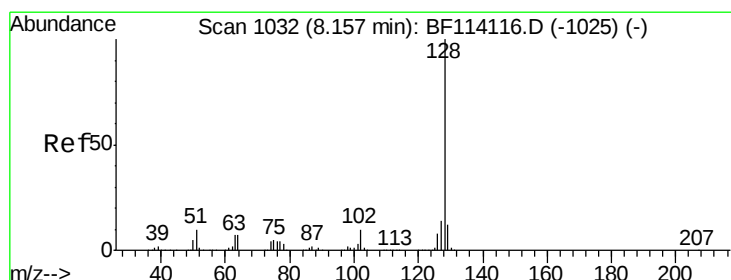
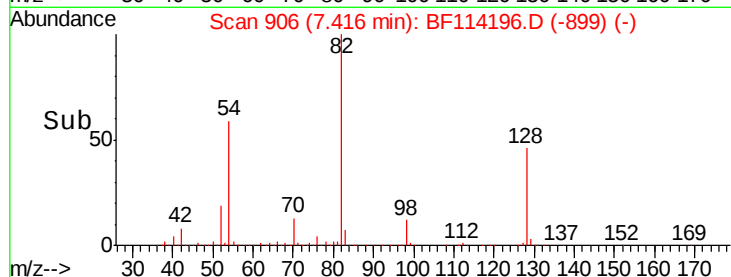
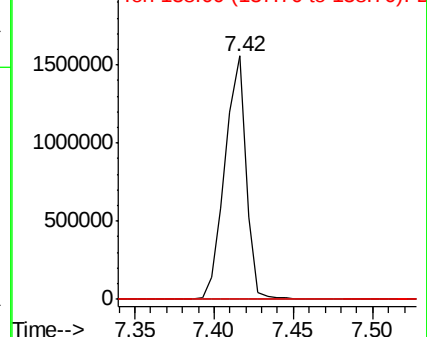


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 23.480 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

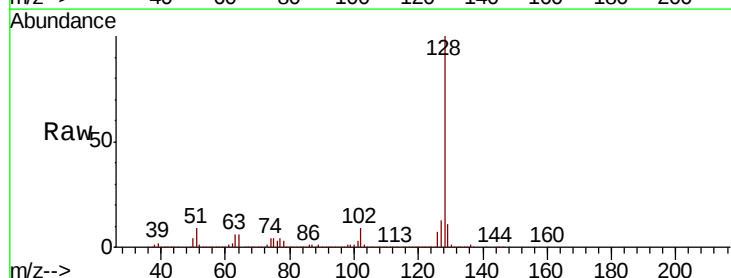
Tgt Ion: 128 Resp: 1171568

Ion Ratio Lower Upper

128 100

129 11.1 9.6 14.4

127 13.3 11.3 16.9

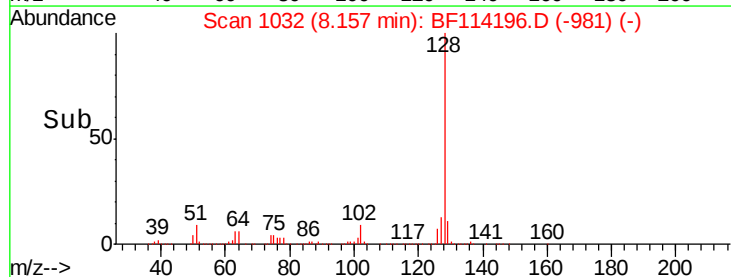
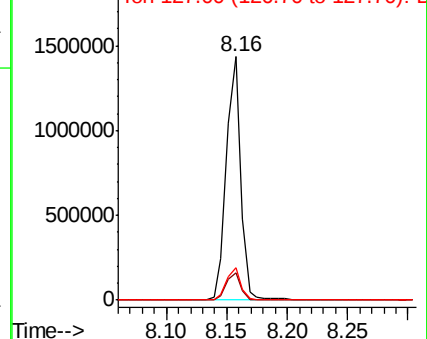


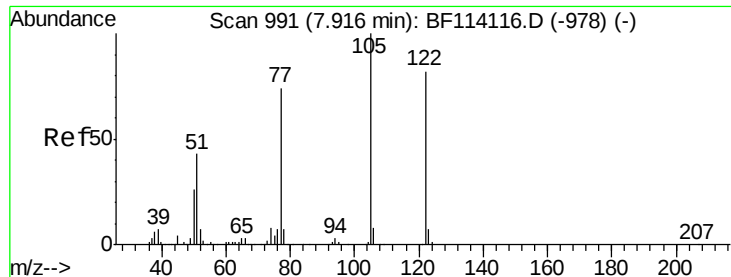
Abundance

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





#32

Benzoic acid

Concen: 7.993 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.05 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

Instrument :

BNA\_F

ClientSampleId :

P026-SS012-0002-02

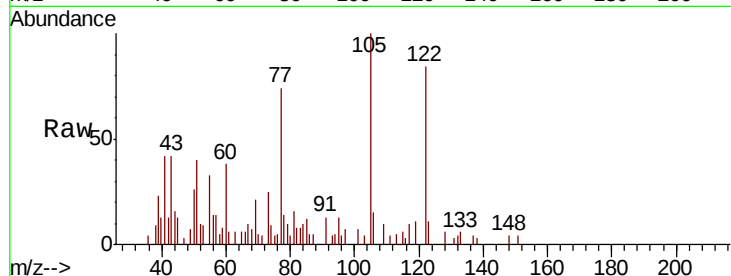
Tgt Ion:122 Resp: 11998

Ion Ratio Lower Upper

122 100

105 119.7 99.9 139.9

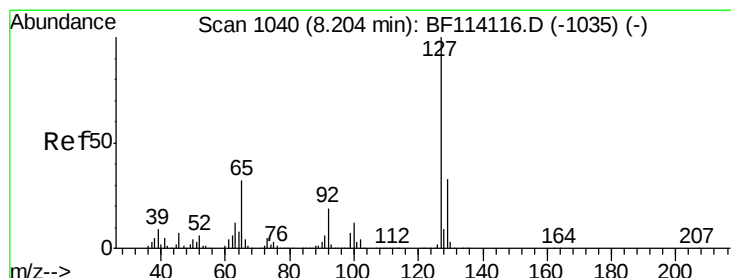
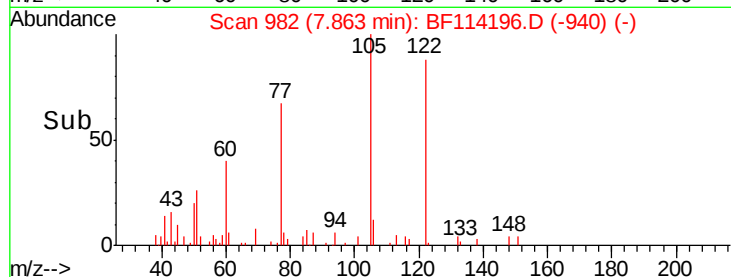
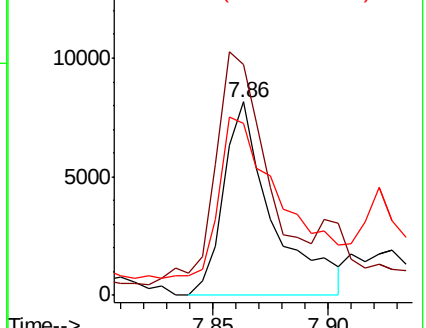
77 88.7 69.4 109.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 6.672 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

Tgt Ion:127 Resp: 151705

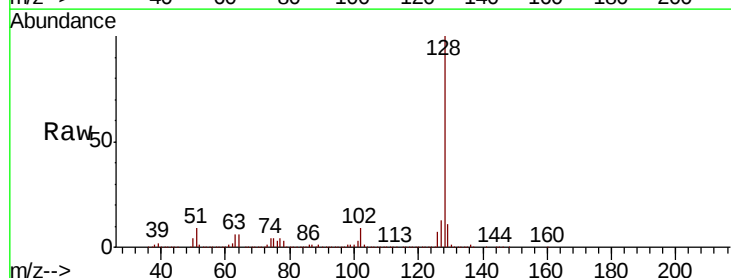
Ion Ratio Lower Upper

127 100

129 83.5 26.7 40.1#

65 0.0 25.4 38.0#

92 0.2 15.4 23.2#

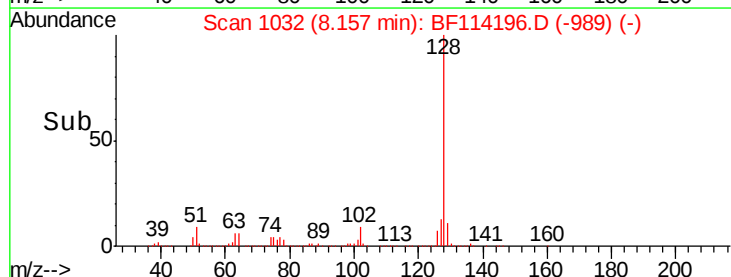
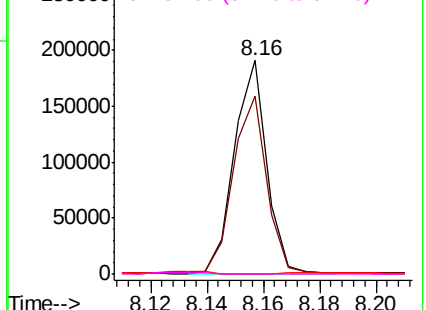


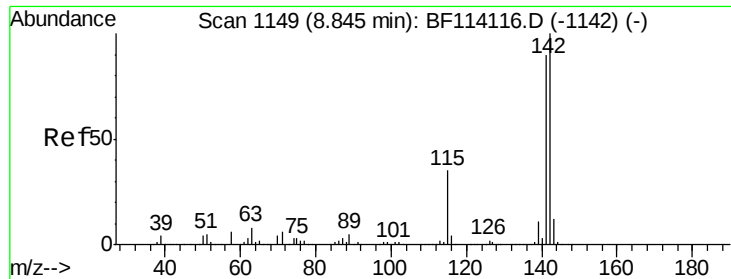
Abundance Ion 127.00 (126.70 to 127.70): E

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

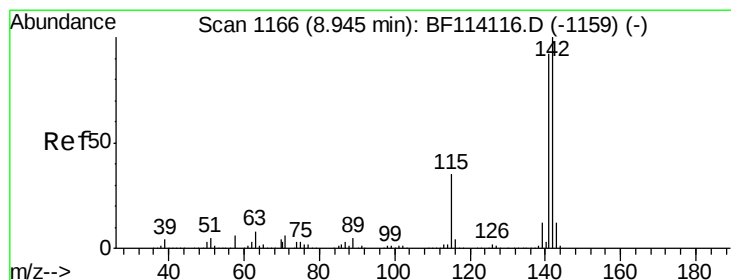
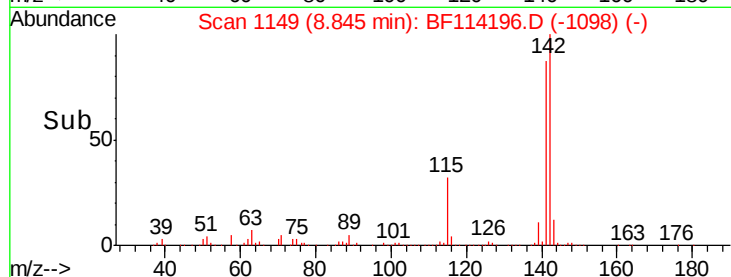
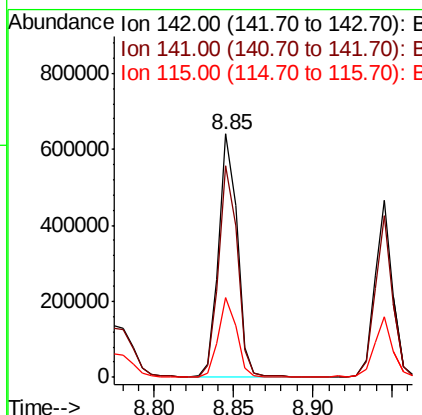
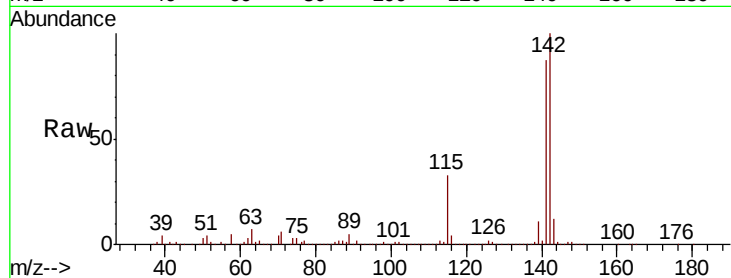




#37  
 2-Methylnaphthalene  
 Concen: 16.213 ng  
 RT: 8.85 min Scan# 1149  
 Delta R.T. -0.00 min  
 Lab File: BF114196.D  
 Acq: 12 May 2019 16:56

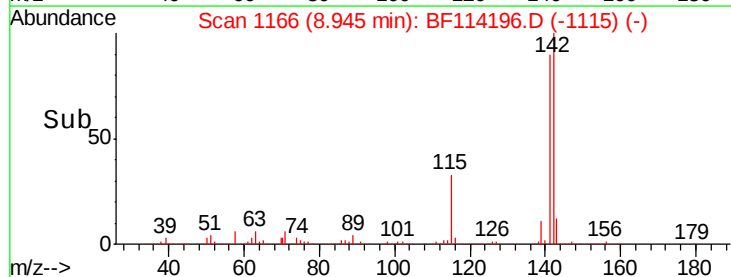
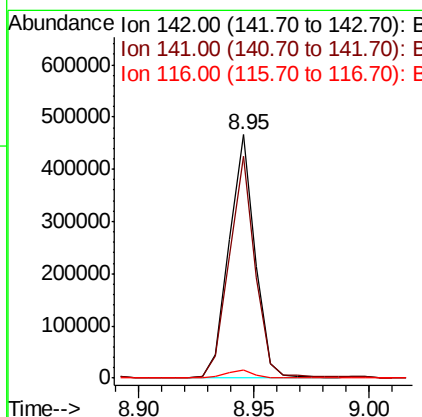
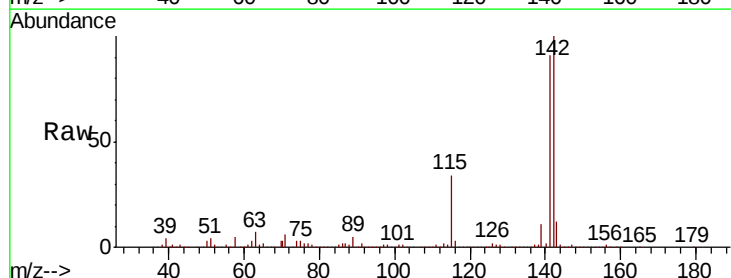
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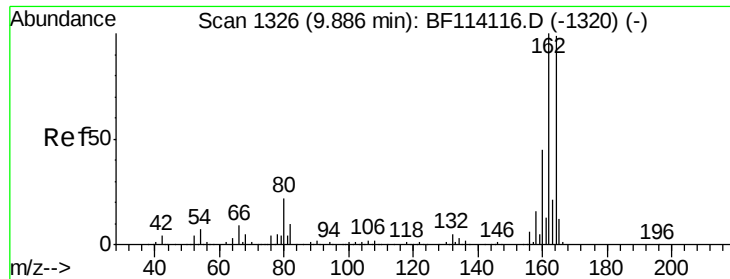
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.7  | 72.1  | 108.1 |
| 115     | 32.6  | 28.0  | 42.0  |



#38  
 1-Methylnaphthalene  
 Concen: 11.942 ng  
 RT: 8.95 min Scan# 1166  
 Delta R.T. -0.00 min  
 Lab File: BF114196.D  
 Acq: 12 May 2019 16:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.0  | 73.4  | 110.0 |
| 116     | 3.5   | 3.1   | 4.7   |

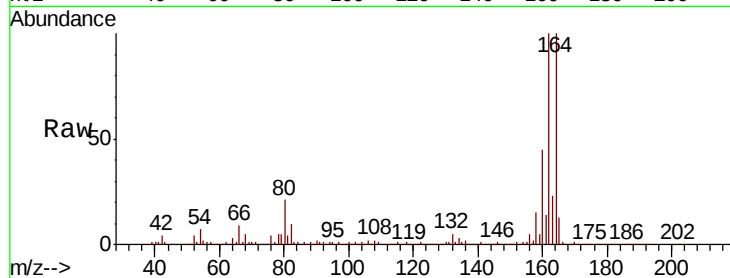




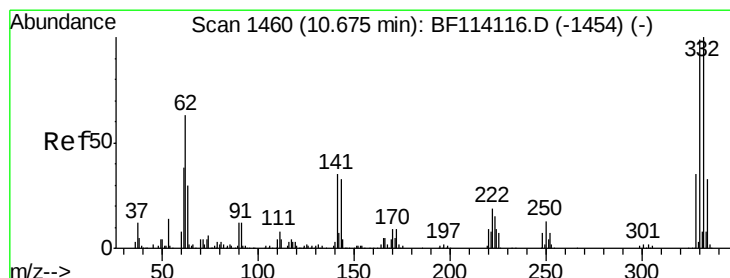
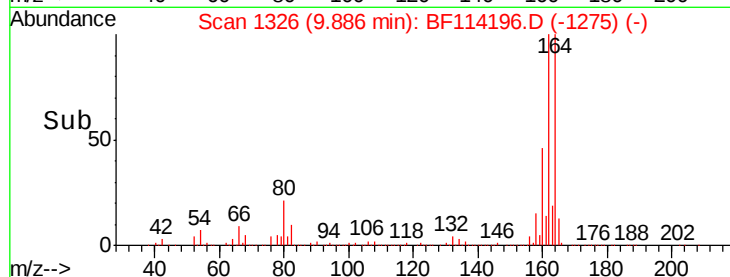
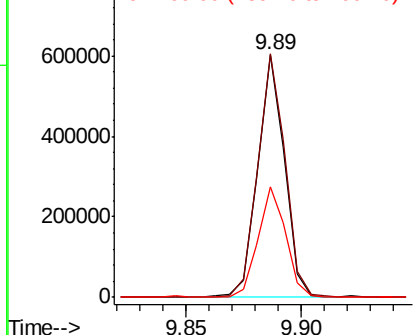
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. -0.00 min  
Lab File: BF114196.D  
Acq: 12 May 2019 16:56

Instrument :  
BNA\_F  
ClientSampleId :  
P026-SS012-0002-02

Tgt Ion:164 Resp: 489488  
Ion Ratio Lower Upper  
164 100  
162 100.5 80.6 120.8  
160 45.6 36.5 54.7

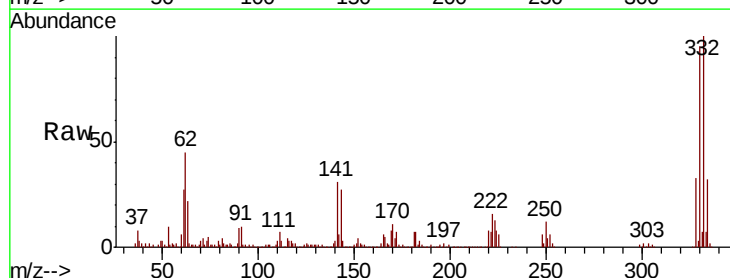


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

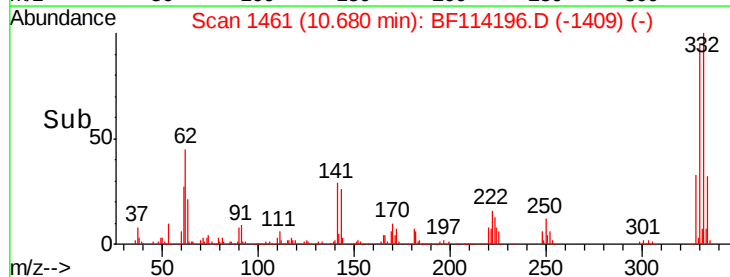
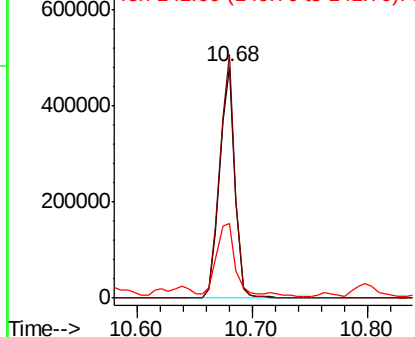


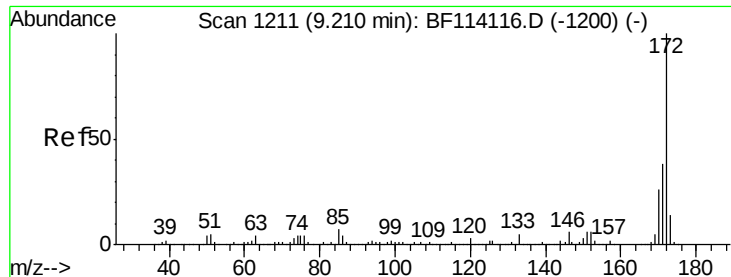
#42  
2,4,6-Tribromophenol  
Concen: 87.251 ng  
RT: 10.68 min Scan# 1461  
Delta R.T. 0.01 min  
Lab File: BF114196.D  
Acq: 12 May 2019 16:56

Tgt Ion:330 Resp: 441532  
Ion Ratio Lower Upper  
330 100  
332 104.2 81.4 122.2  
141 35.8 26.6 40.0



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

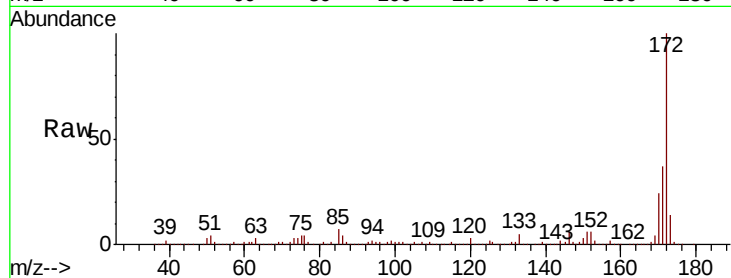




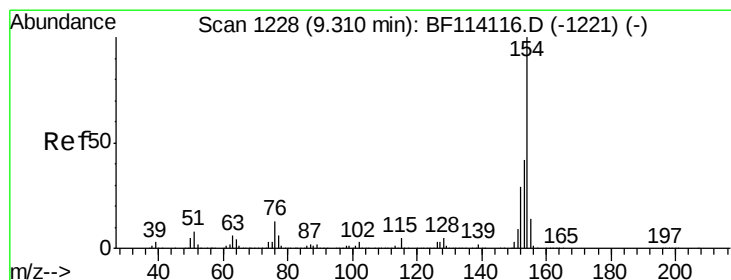
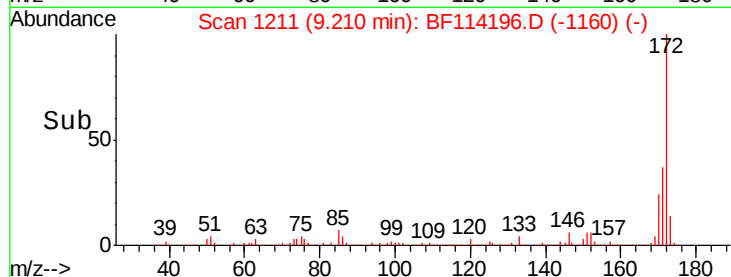
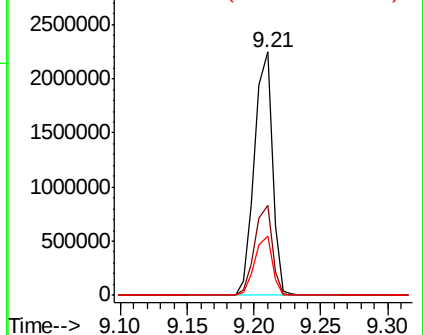
#45  
2-Fluorobiphenyl  
Concen: 64.063 ng  
RT: 9.21 min Scan# 1211  
Delta R.T. -0.00 min  
Lab File: BF114196.D  
Acq: 12 May 2019 16:56

Instrument :  
BNA\_F  
ClientSampleId :  
P026-SS012-0002-02

Tgt Ion:172 Resp: 2073021  
Ion Ratio Lower Upper  
172 100  
171 36.7 30.7 46.1  
170 24.5 20.5 30.7

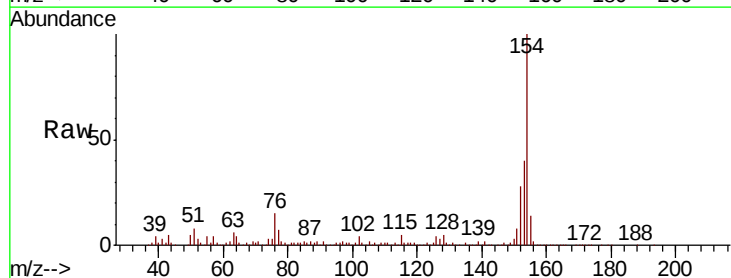


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

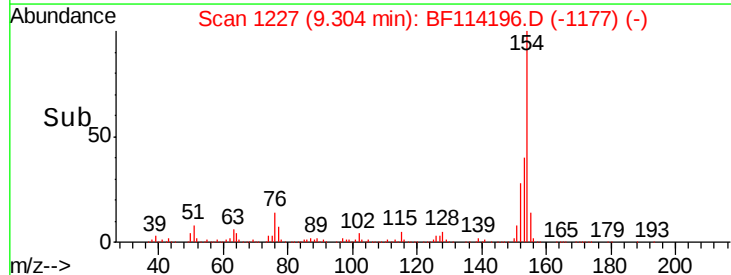
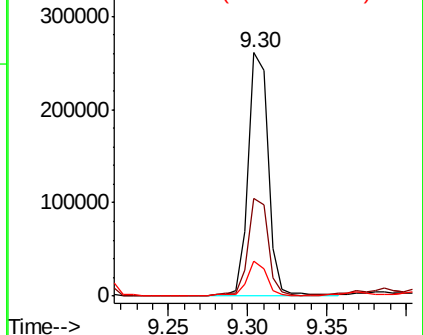


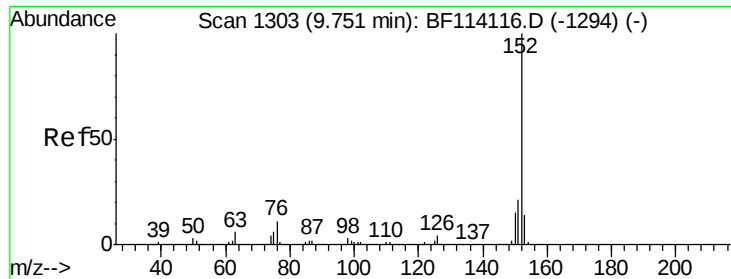
#46  
1,1'-Biphenyl  
Concen: 5.795 ng  
RT: 9.30 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: BF114196.D  
Acq: 12 May 2019 16:56

Tgt Ion:154 Resp: 229146  
Ion Ratio Lower Upper  
154 100  
153 40.0 21.9 61.9  
76 14.6 0.0 32.8



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





#49

Acenaphthylene

Concen: 38.105 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

Instrument :

BNA\_F

ClientSampleId :

P026-SS012-0002-02

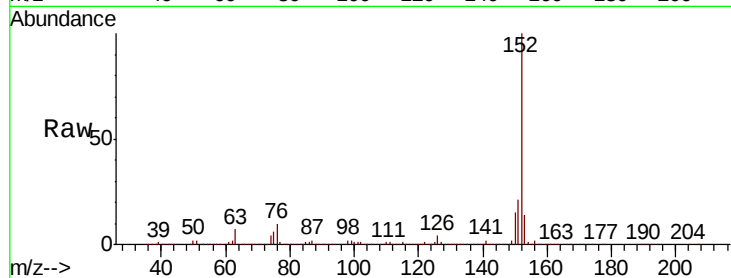
Tgt Ion:152 Resp: 1844413

Ion Ratio Lower Upper

152 100

151 20.9 16.8 25.2

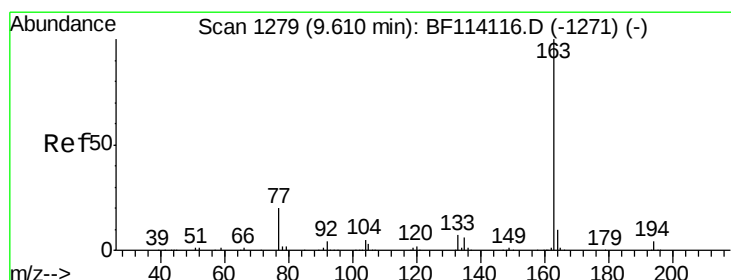
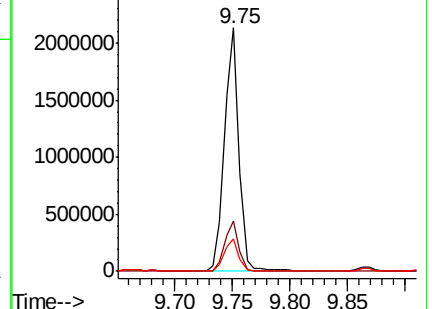
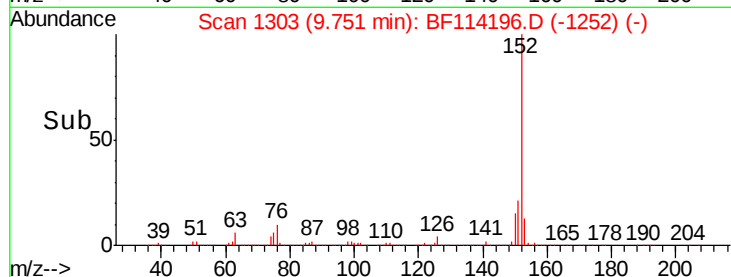
153 13.5 11.4 17.2



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: 12.051 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

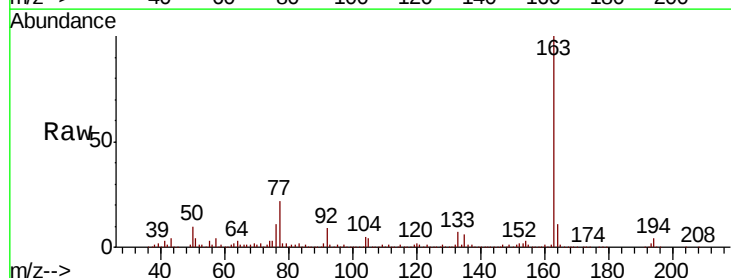
Tgt Ion:163 Resp: 433019

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

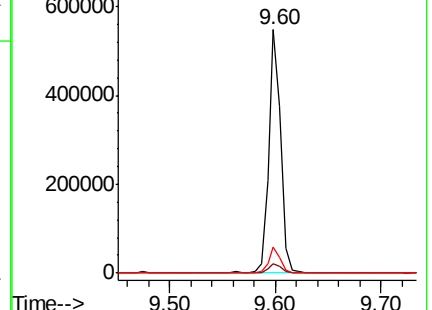
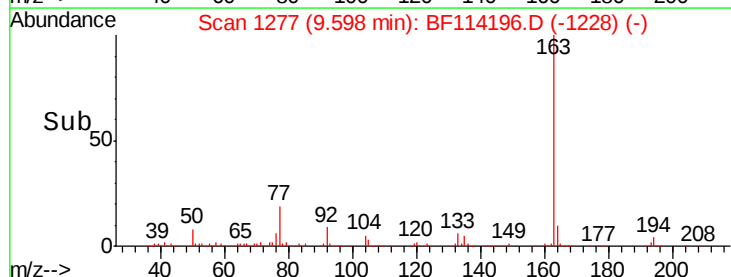
164 10.6 8.2 12.2

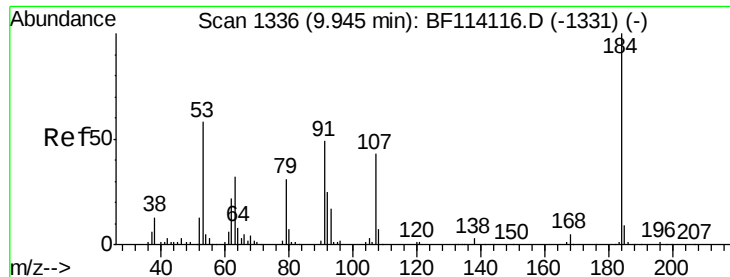


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#54

2,4-Dinitrophenol

Concen: 6.851 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

Instrument :

BNA\_F

ClientSampleId :

P026-SS012-0002-02

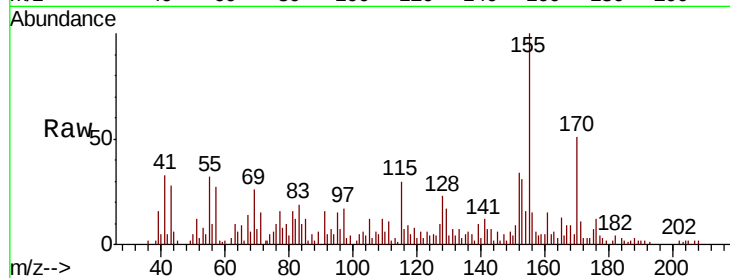
Tgt Ion:184 Resp: 463

Ion Ratio Lower Upper

184 100

63 386.1 55.6 83.4#

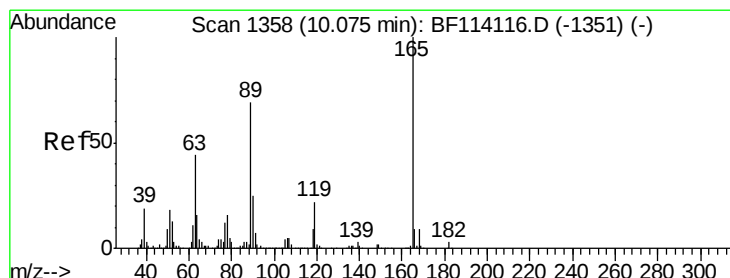
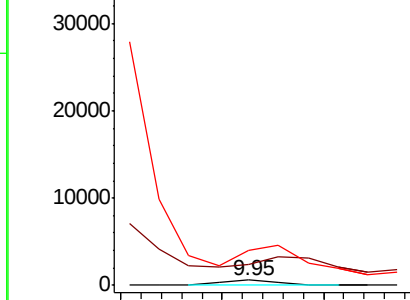
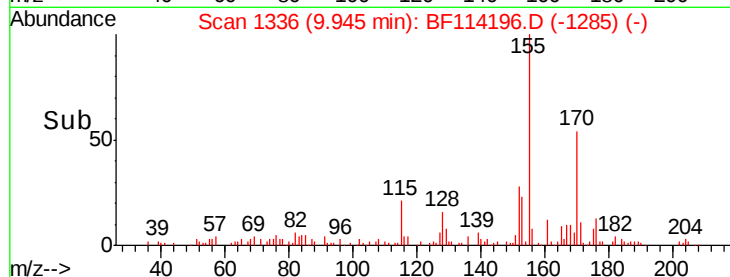
154 645.8 46.0 69.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 2.648 ng

RT: 10.19 min Scan# 1378

Delta R.T. 0.12 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

Tgt Ion:165 Resp: 28649

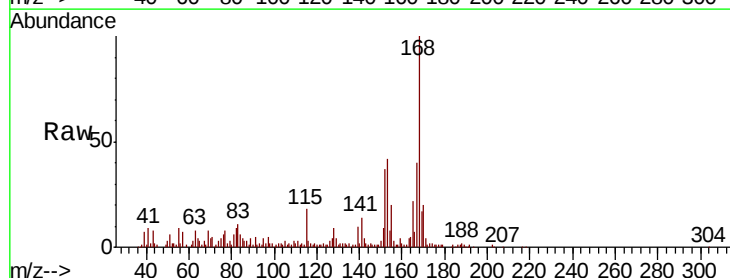
Ion Ratio Lower Upper

165 100

63 37.2 35.5 53.3

89 19.1 55.2 82.8#

182 0.0 2.2 3.2#

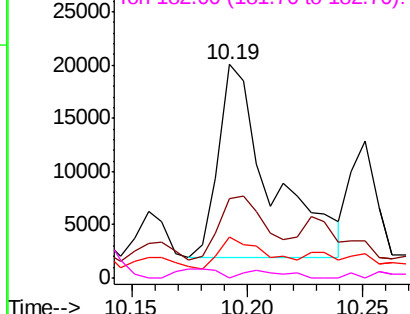
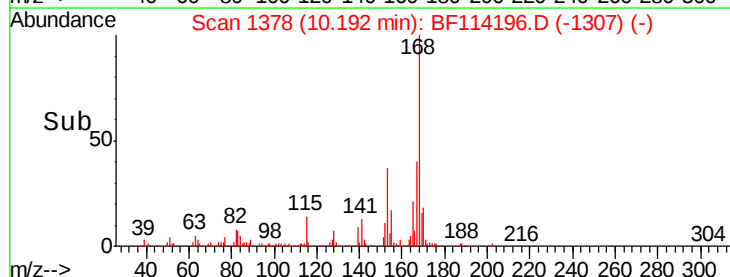


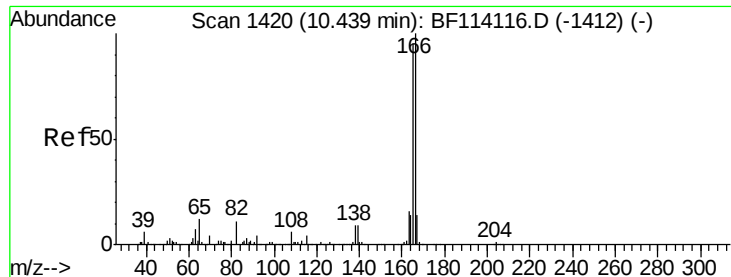
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: 7.570 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

Instrument :

BNA\_F

ClientSampleId :

P026-SS012-0002-02

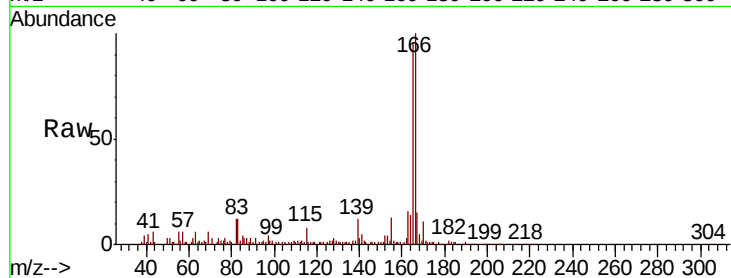
Tgt Ion:166 Resp: 254671

Ion Ratio Lower Upper

166 100

165 96.3 76.1 114.1

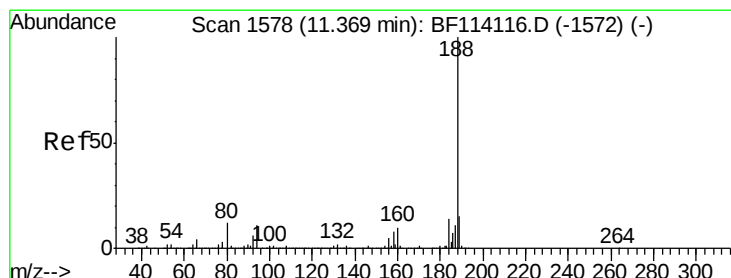
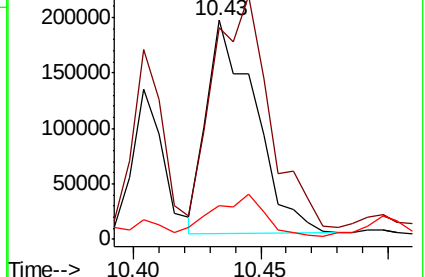
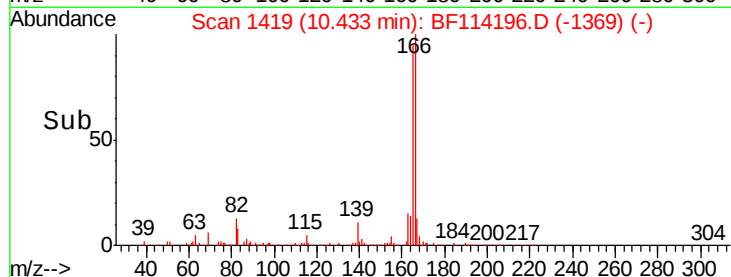
167 15.2 11.1 16.7



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

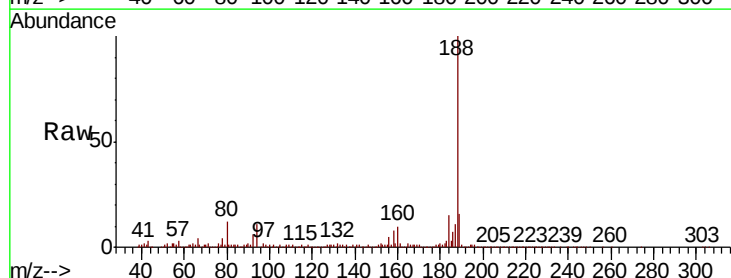
Tgt Ion:188 Resp: 827928

Ion Ratio Lower Upper

188 100

94 11.0 8.4 12.6

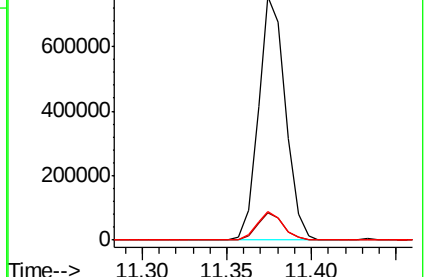
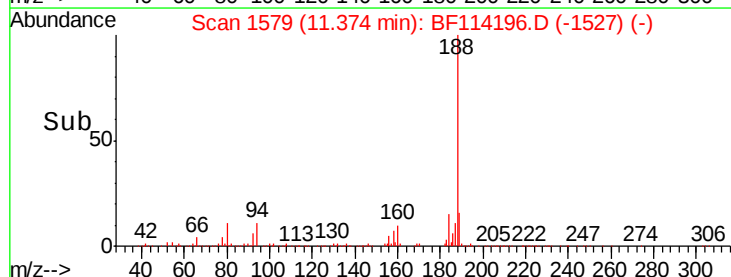
80 11.5 9.2 13.8

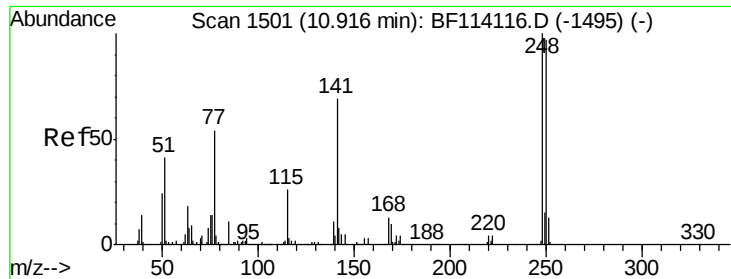


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

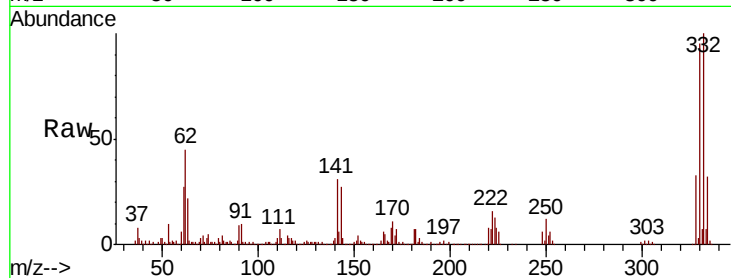




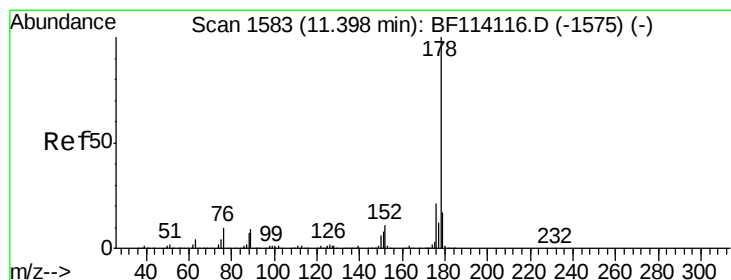
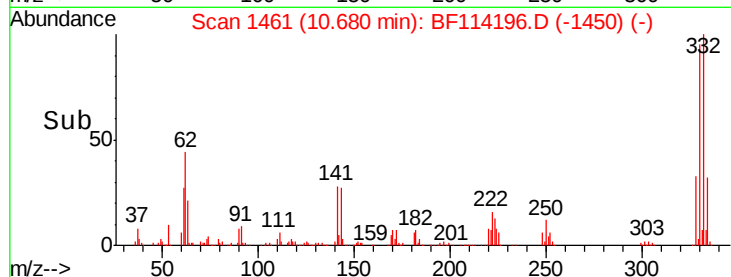
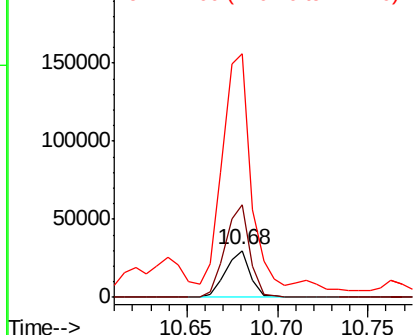
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.133 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.24 min  
 Lab File: BF114196.D  
 Acq: 12 May 2019 16:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P026-SS012-0002-02

Tgt Ion:248 Resp: 28560  
 Ion Ratio Lower Upper  
 248 100  
 250 196.4 77.4 116.2#  
 141 517.2 55.6 83.4#

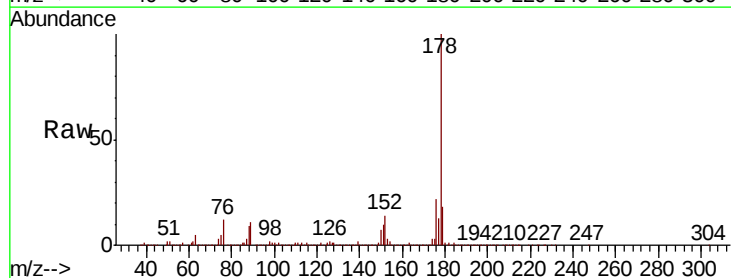


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

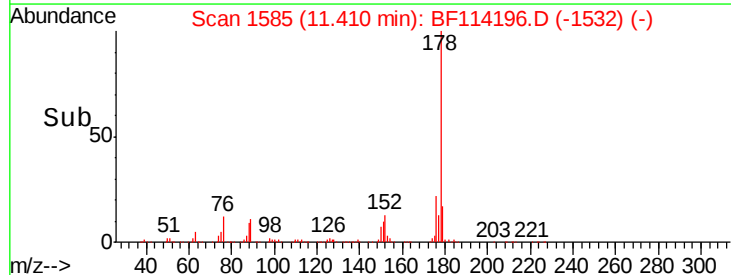
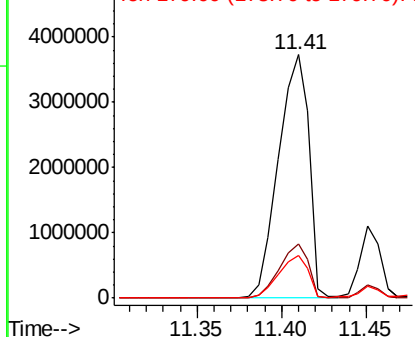


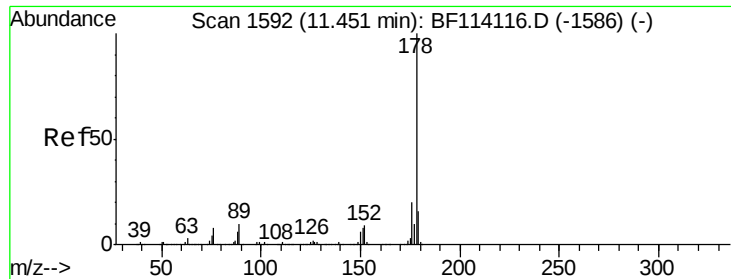
#71  
 Phenanthrene  
 Concen: 116.153 ng  
 RT: 11.41 min Scan# 1585  
 Delta R.T. 0.01 min  
 Lab File: BF114196.D  
 Acq: 12 May 2019 16:56

Tgt Ion:178 Resp: 4678595  
 Ion Ratio Lower Upper  
 178 100  
 176 22.5 16.4 24.6  
 179 17.7 13.2 19.8



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: 21.859 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

Instrument :

BNA\_F

ClientSampleId :

P026-SS012-0002-02

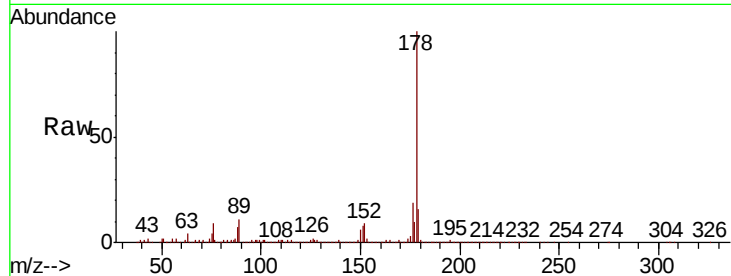
Tgt Ion:178 Resp: 884342

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

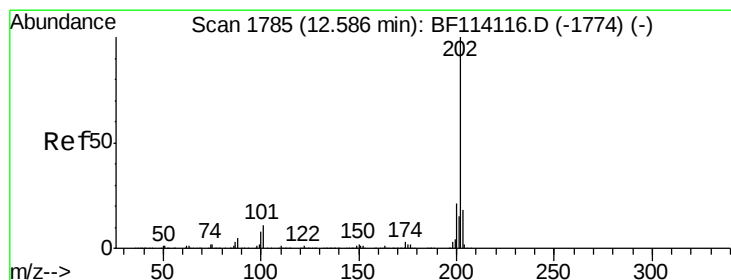
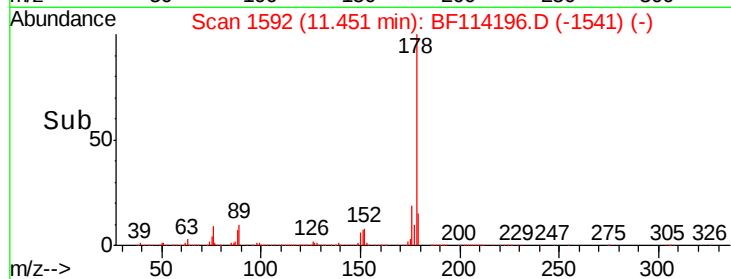
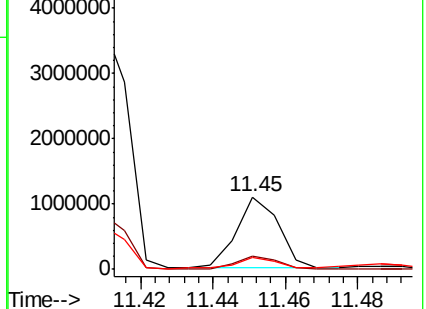
179 16.1 13.0 19.4



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



#75

Fluoranthene

Concen: 119.663 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.02 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

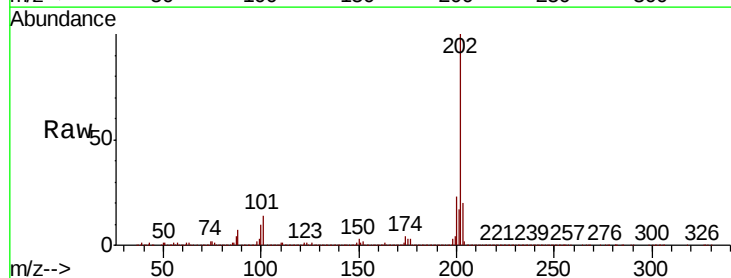
Tgt Ion:202 Resp: 5190515

Ion Ratio Lower Upper

202 100

101 13.5 0.0 31.0

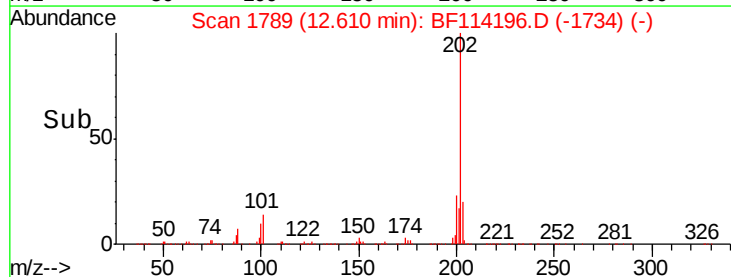
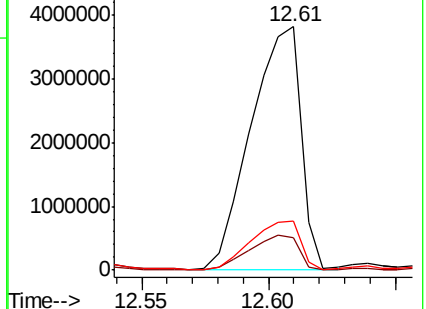
203 20.1 0.0 38.4

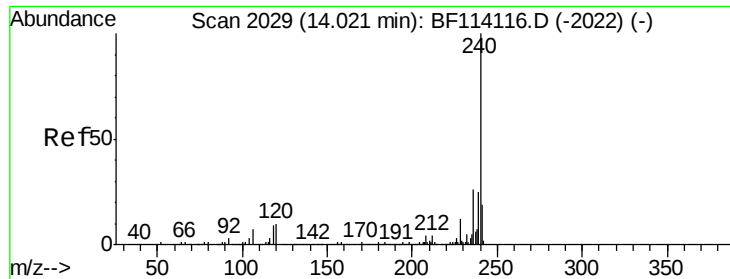


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

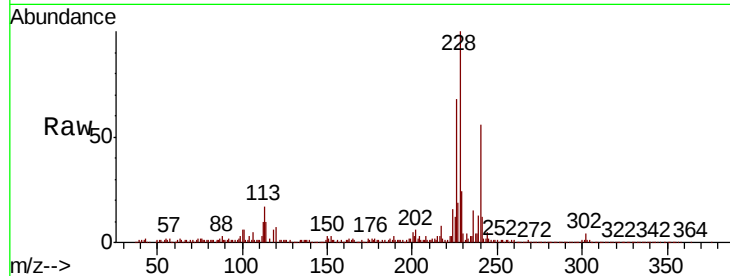




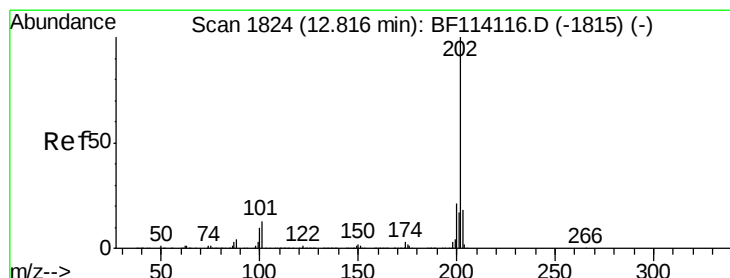
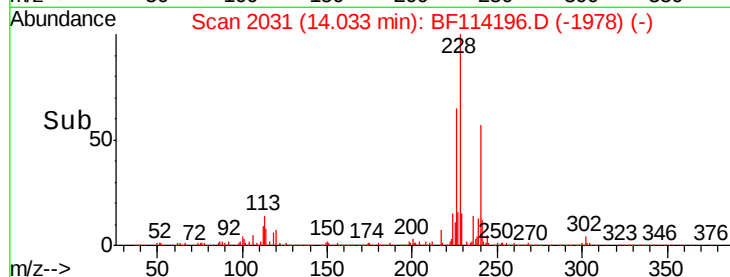
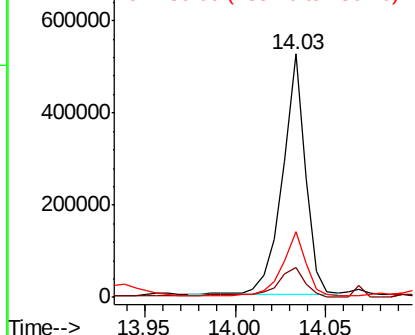
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.03 min Scan# 2031  
Delta R.T. 0.01 min  
Lab File: BF114196.D  
Acq: 12 May 2019 16:56

Instrument :  
BNA\_F  
ClientSampleId :  
P026-SS012-0002-02

Tgt Ion:240 Resp: 464124  
Ion Ratio Lower Upper  
240 100  
120 12.5 8.3 12.5  
236 27.2 20.8 31.2

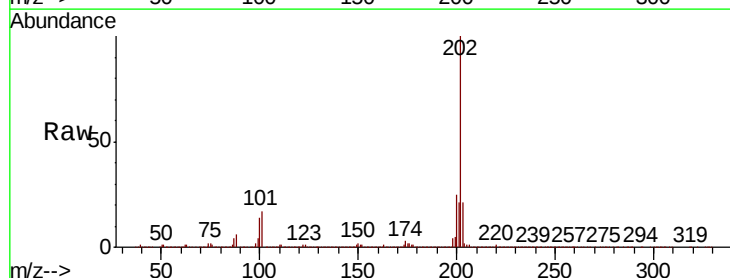


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

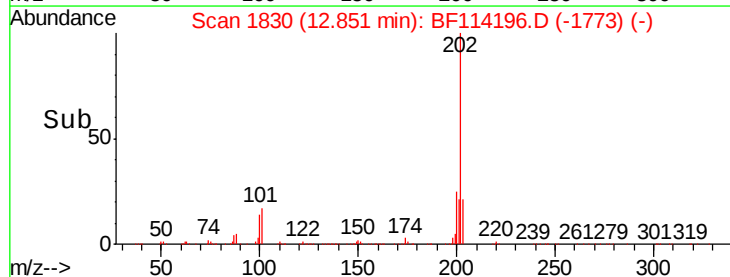
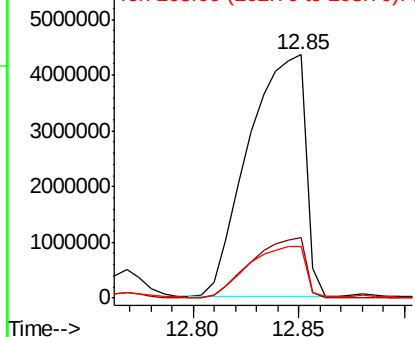


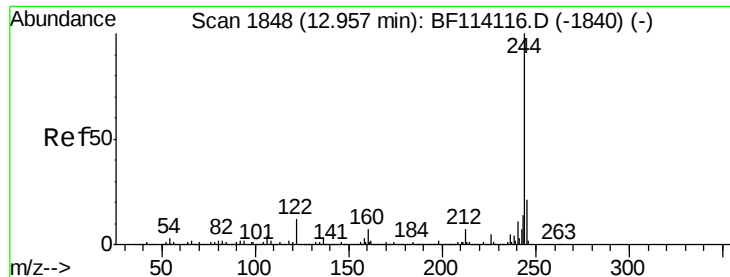
#78  
Pyrene  
Concen: 217.855 ng  
RT: 12.85 min Scan# 1830  
Delta R.T. 0.04 min  
Lab File: BF114196.D  
Acq: 12 May 2019 16:56

Tgt Ion:202 Resp: 8133961  
Ion Ratio Lower Upper  
202 100  
200 24.9 16.9 25.3  
203 21.1 14.5 21.7



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: 65.425 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

Instrument :

BNA\_F

ClientSampleId :

P026-SS012-0002-02

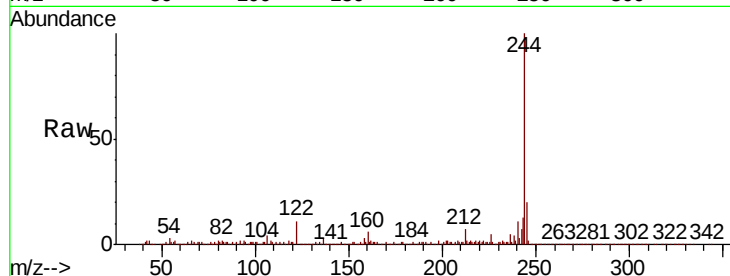
Tgt Ion:244 Resp: 1473024

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

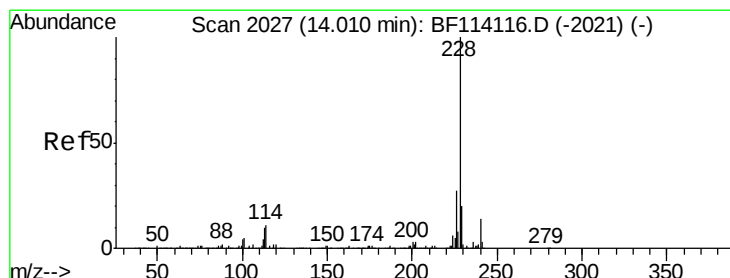
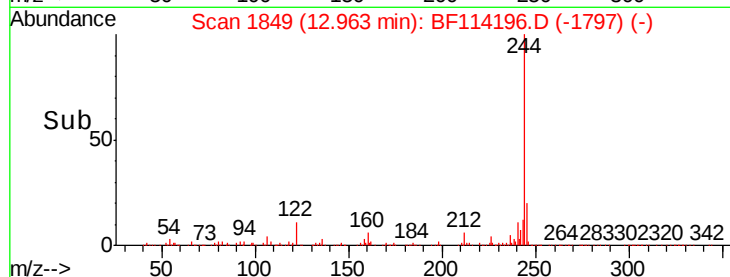
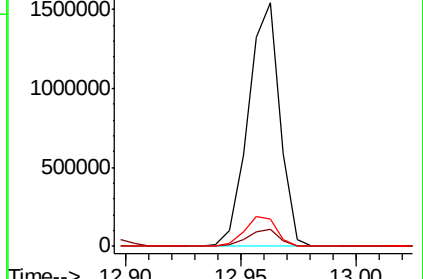
122 11.3 9.4 14.2



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



#81

Benzo(a)anthracene

Concen: 134.434 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

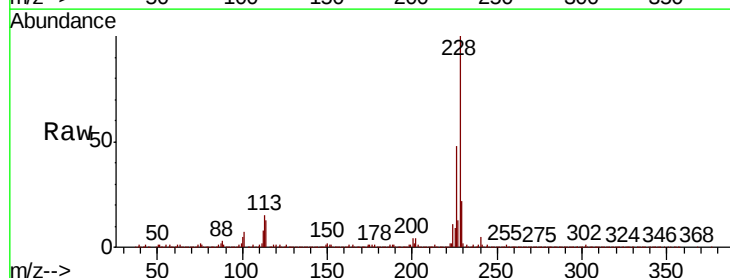
Tgt Ion:228 Resp: 4035620

Ion Ratio Lower Upper

228 100

226 47.7 22.2 33.2#

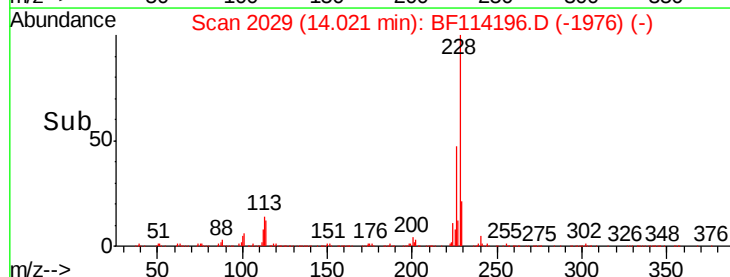
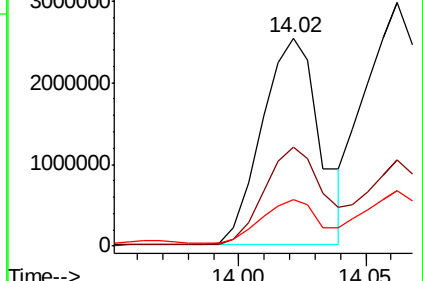
229 22.4 16.4 24.6

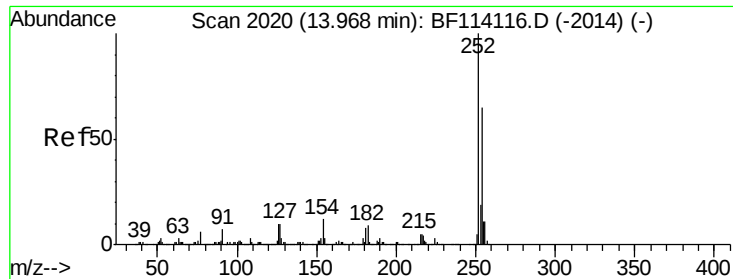


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

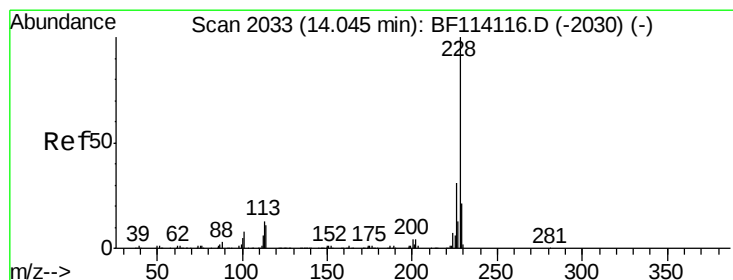
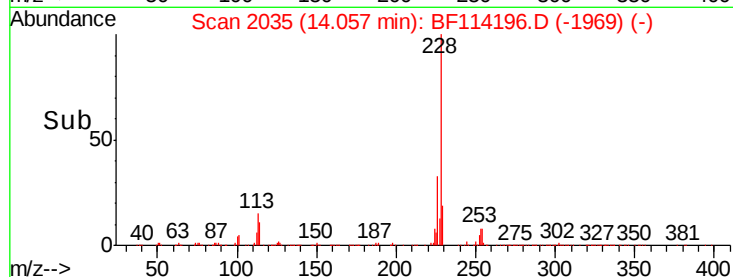
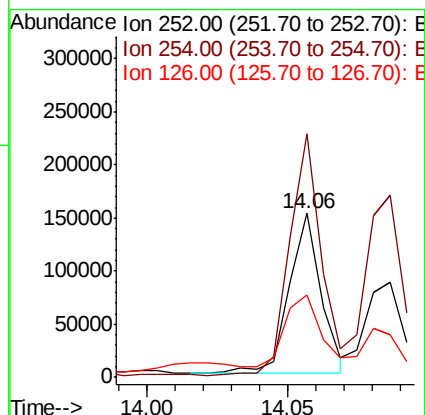
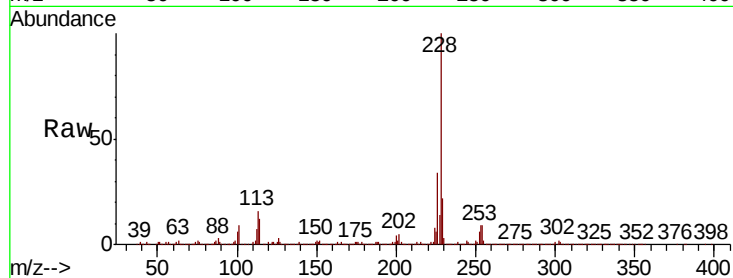




#82  
 3,3'-Dichlorobenzidine  
 Concen: 10.155 ng  
 RT: 14.06 min Scan# 2035  
 Delta R.T. 0.09 min  
 Lab File: BF114196.D  
 Acq: 12 May 2019 16:56

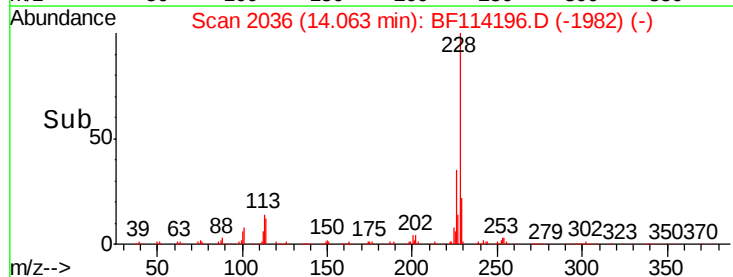
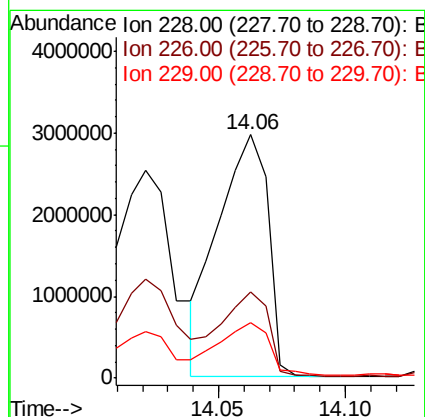
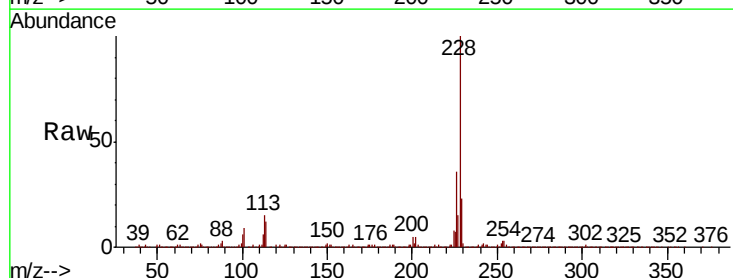
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P026-SS012-0002-02

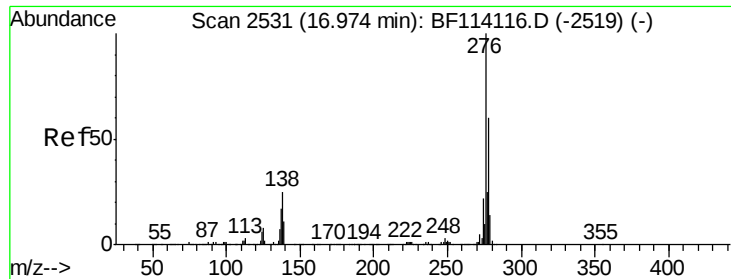
Tgt Ion:252 Resp: 118259  
 Ion Ratio Lower Upper  
 252 100  
 254 148.8 51.9 77.9#  
 126 50.4 7.9 11.9#



#83  
 Chrysene  
 Concen: 138.006 ng  
 RT: 14.06 min Scan# 2036  
 Delta R.T. 0.02 min  
 Lab File: BF114196.D  
 Acq: 12 May 2019 16:56

Tgt Ion:228 Resp: 4061165  
 Ion Ratio Lower Upper  
 228 100  
 226 35.6 25.0 37.6  
 229 22.8 17.0 25.6

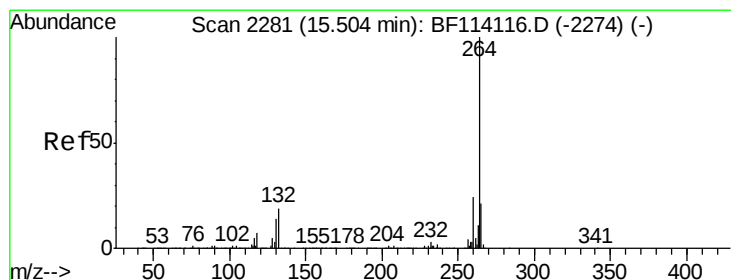
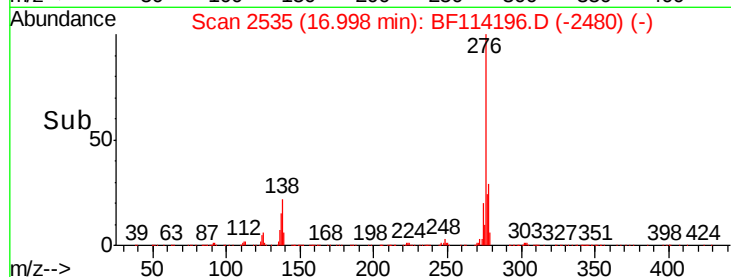
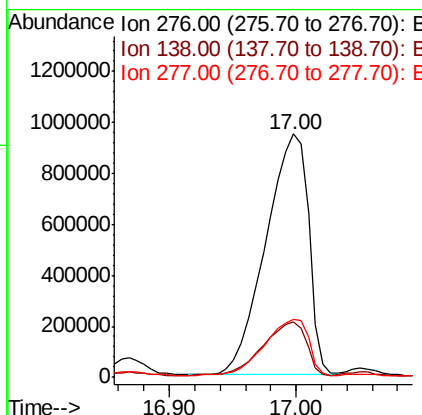
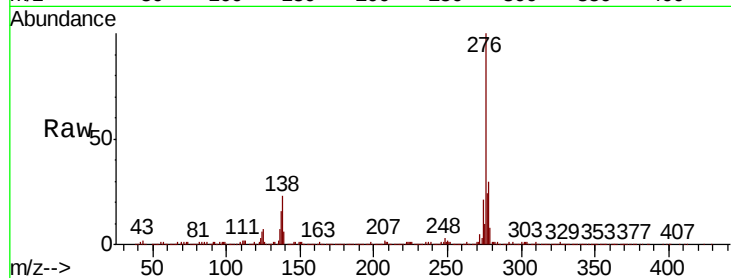




#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 84.944 ng  
 RT: 17.00 min Scan# 2535  
 Delta R.T. 0.02 min  
 Lab File: BF114196.D  
 Acq: 12 May 2019 16:56

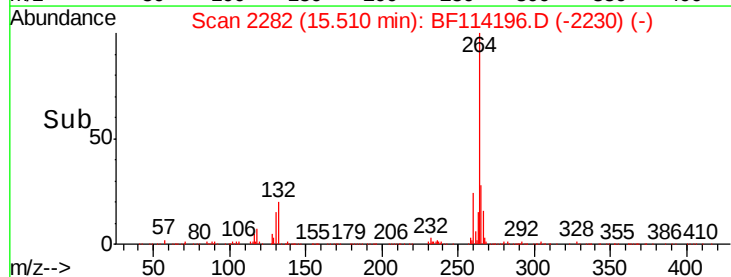
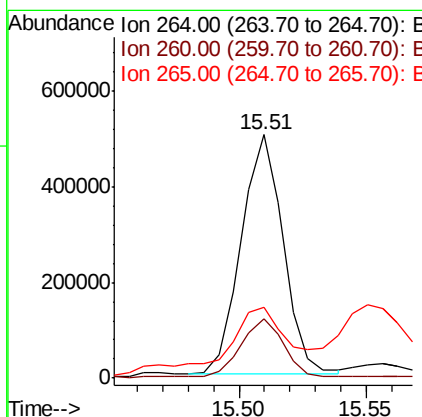
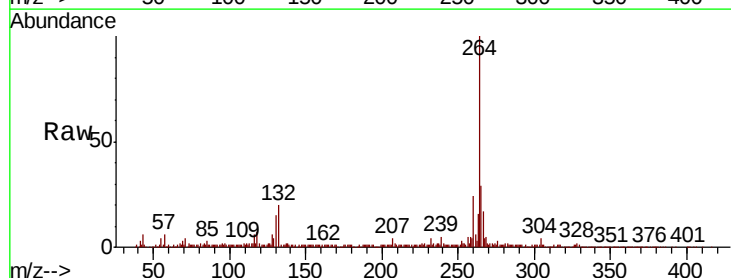
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P026-SS012-0002-02

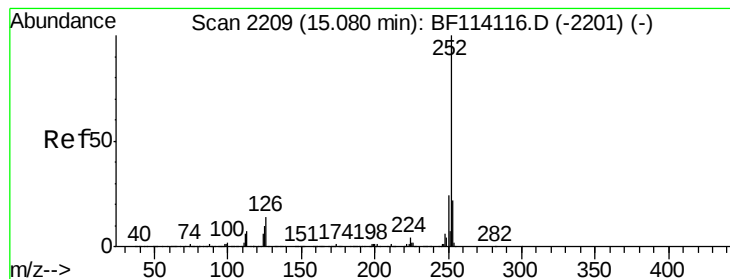
Tgt Ion:276 Resp: 2209169  
 Ion Ratio Lower Upper  
 276 100  
 138 22.3 20.2 30.2  
 277 24.2 20.0 30.0



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.51 min Scan# 2282  
 Delta R.T. 0.01 min  
 Lab File: BF114196.D  
 Acq: 12 May 2019 16:56

Tgt Ion:264 Resp: 579386  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.4 29.0  
 265 29.3 16.9 25.3#





#88

Benzo(b)fluoranthene

Concen: 164.171 ng

RT: 15.09 min Scan# 2210

Delta R.T. 0.01 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

Instrument :

BNA\_F

ClientSampleId :

P026-SS012-0002-02

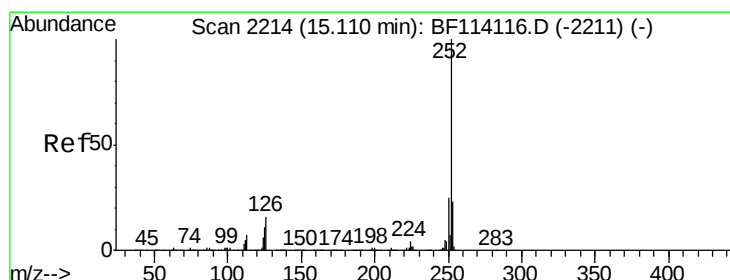
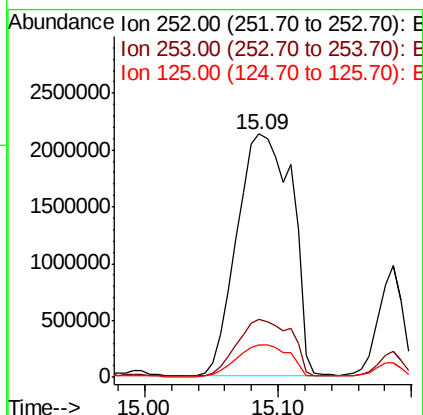
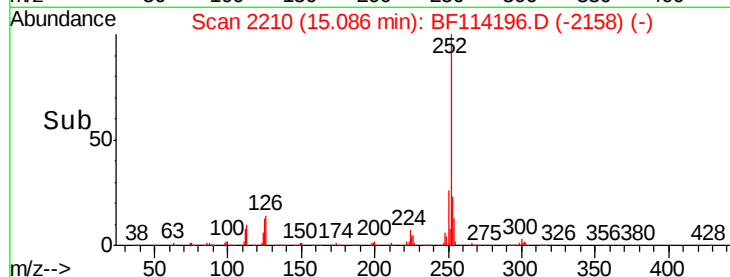
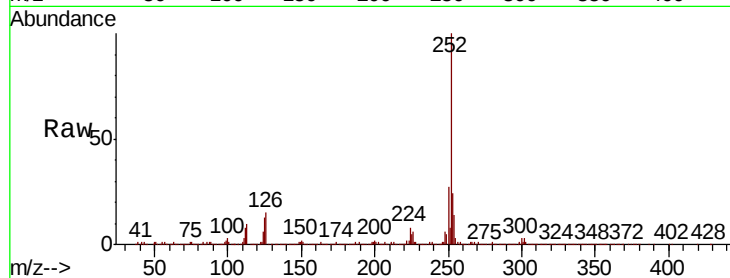
Tgt Ion:252 Resp: 6093838

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 13.1 8.3 12.5#



#89

Benzo(k)fluoranthene

Concen: 178.719 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.02 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

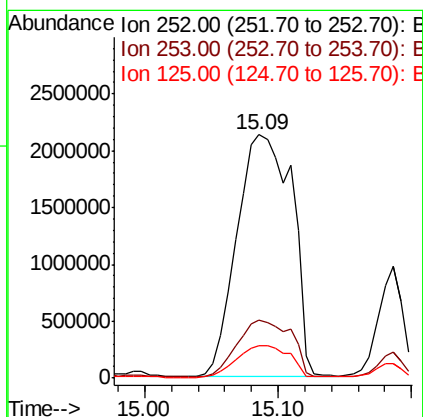
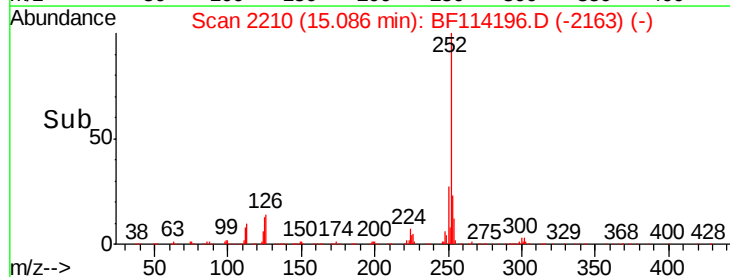
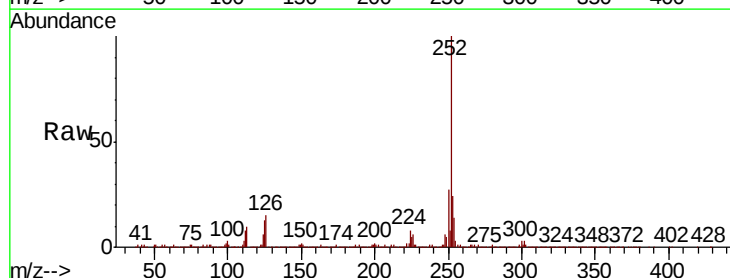
Tgt Ion:252 Resp: 6093838

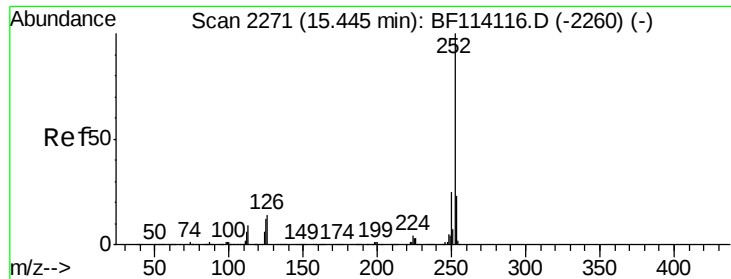
Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

125 13.1 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 112.590 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

Instrument :

BNA\_F

ClientSampleId :

P026-SS012-0002-02

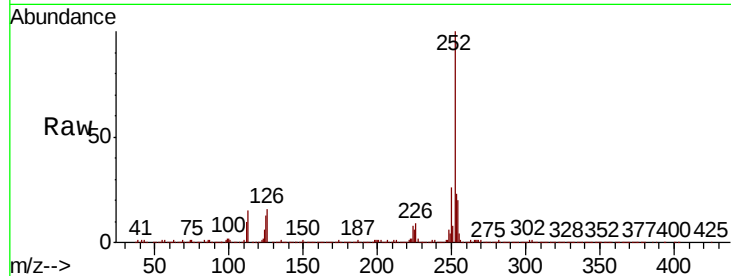
Tgt Ion:252 Resp: 3678051

Ion Ratio Lower Upper

252 100

253 23.4 18.1 27.1

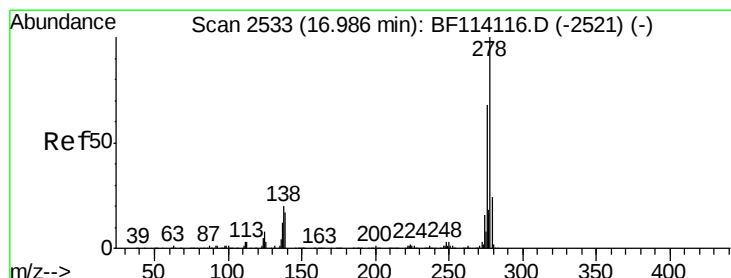
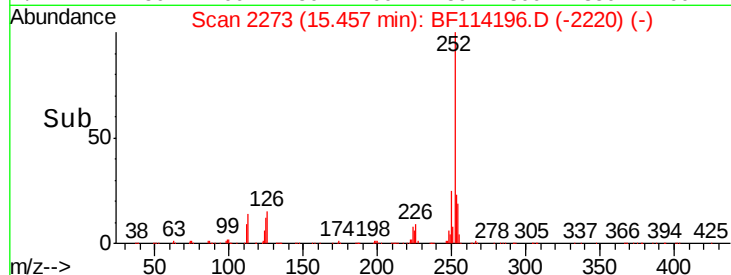
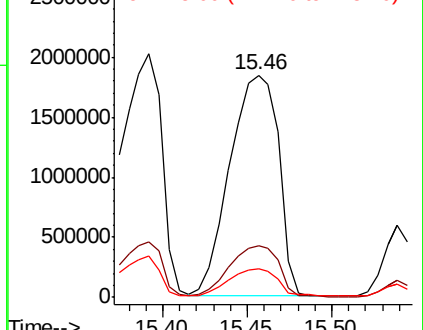
125 12.6 9.5 14.3



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

Dibenzo(a,h)anthracene

Concen: 16.361 ng

RT: 17.15 min Scan# 2561

Delta R.T. 0.16 min

Lab File: BF114196.D

Acq: 12 May 2019 16:56

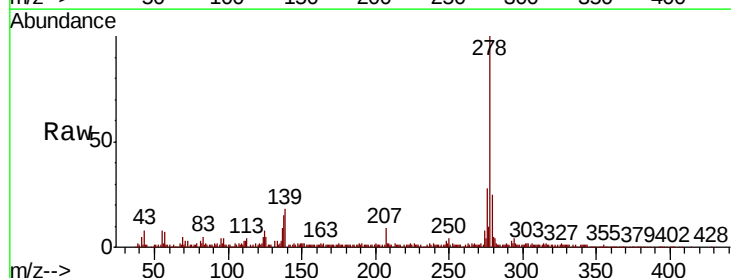
Tgt Ion:278 Resp: 444114

Ion Ratio Lower Upper

278 100

139 17.8 13.5 20.3

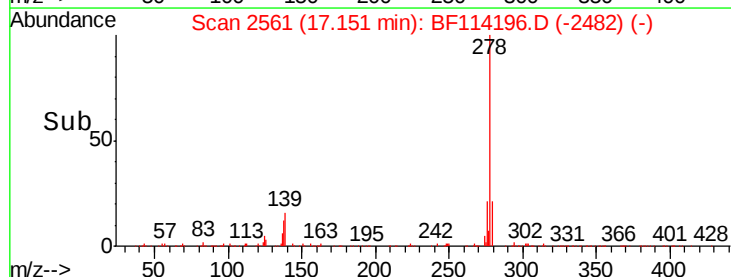
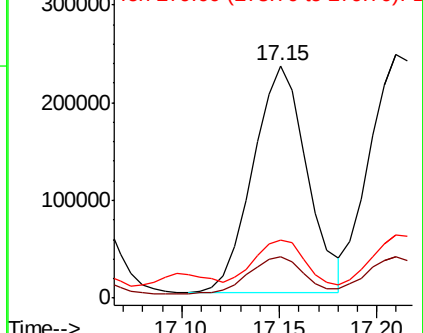
279 24.8 19.0 28.6

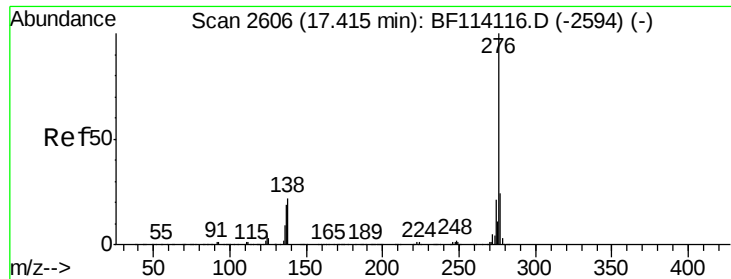


Abundance Ion 278.00 (277.70 to 278.70): E

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: 92.322 ng  
 RT: 17.46 min Scan# 2613  
 Delta R.T. 0.04 min  
 Lab File: BF114196.D  
 Acq: 12 May 2019 16:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P026-SS012-0002-02

Tgt Ion: 276 Resp: 2511499  
 Ion Ratio Lower Upper  
 276 100  
 277 24.2 19.0 28.4  
 138 23.7 17.8 26.6

