

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF051119\  
 Data File : BF114180.D  
 Acq On : 12 May 2019 3:30  
 Operator : JU/SJ  
 Sample : K2765-15  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P026-SS005-0612-01

Quant Time: May 12 06:00:02 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  | 271621   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 996821   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.89  | 164  | 456827   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.37 | 188  | 818629   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.02 | 240  | 544698   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.49 | 264  | 671507   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.49  | 112 | 1879141 | 111.33 | ng | 0.00 |
| 7) Phenol-d6             | 6.49  | 99  | 2487905 | 124.63 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.41  | 82  | 1546311 | 87.06  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 540656  | 114.48 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.20  | 172 | 2230711 | 73.86  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.96 | 244 | 1761853 | 66.68  | ng | 0.00 |

## Target Compounds

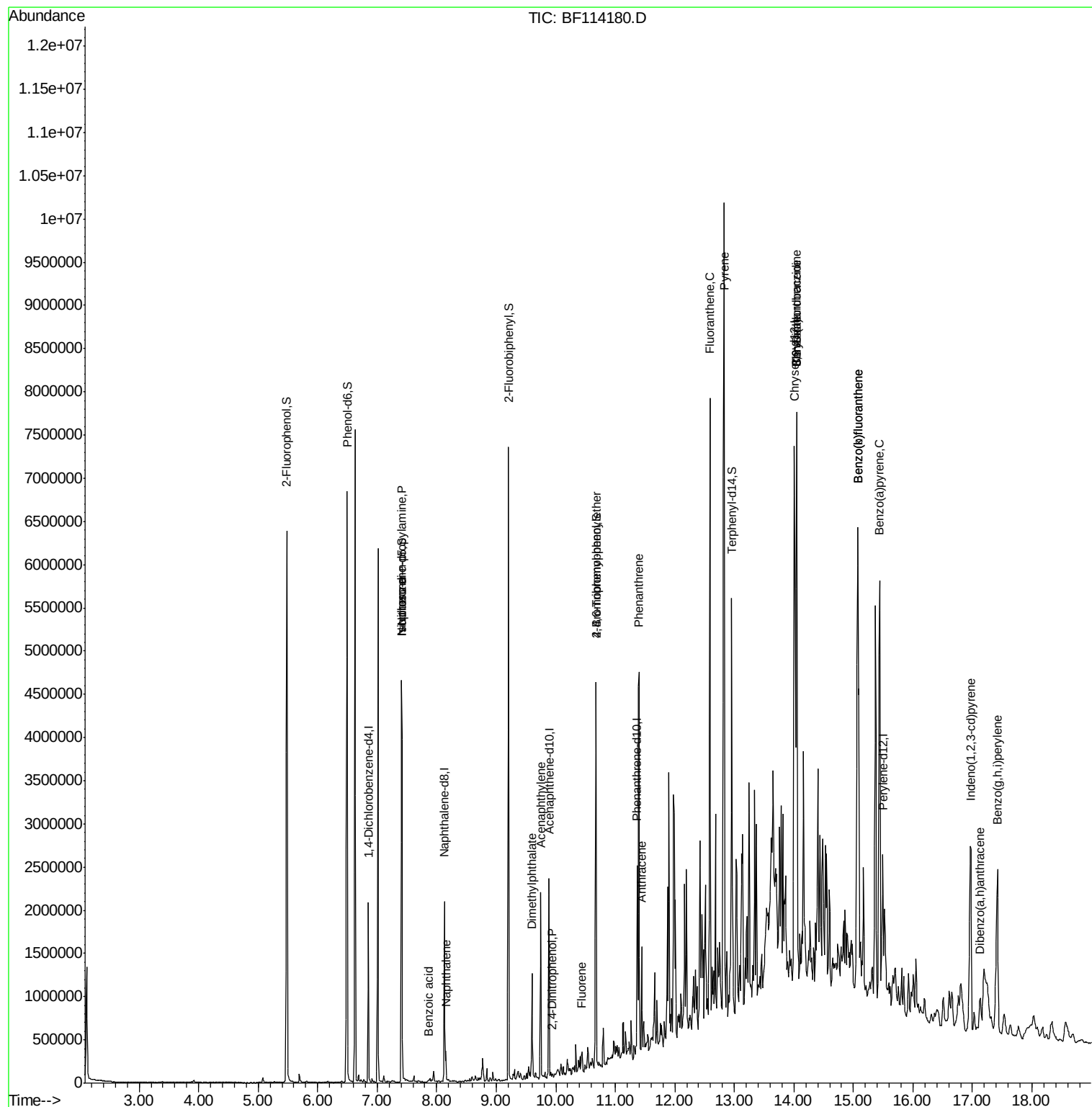
|                                |       |     |         |         |    | Qvalue |
|--------------------------------|-------|-----|---------|---------|----|--------|
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70  | 205447  | 16.236  | ng | # 78   |
| 25) Isophorone                 | 7.41  | 82  | 1531740 | 46.498  | ng | # 64   |
| 31) Naphthalene                | 8.15  | 128 | 118538  | 2.546   | ng | 99     |
| 32) Benzoic acid               | 7.85  | 122 | 4146    | 7.381   | ng | 96     |
| 49) Acenaphthylene             | 9.75  | 152 | 843357  | 18.669  | ng | 97     |
| 50) Dimethylphthalate          | 9.60  | 163 | 416058  | 12.407  | ng | 100    |
| 54) 2,4-Dinitrophenol          | 9.94  | 184 | 274     | 6.812   | ng | # 1    |
| 58) Fluorene                   | 10.43 | 166 | 94350   | 3.005   | ng | 97     |
| 67) 4-Bromophenyl-phenylether  | 10.67 | 248 | 34317   | 3.807   | ng | # 1    |
| 71) Phenanthrene               | 11.40 | 178 | 1694098 | 42.536  | ng | 99     |
| 72) Anthracene                 | 11.45 | 178 | 458794  | 11.469  | ng | 98     |
| 75) Fluoranthene               | 12.59 | 202 | 2970477 | 69.260  | ng | 97     |
| 78) Pyrene                     | 12.83 | 202 | 4700813 | 107.280 | ng | 95     |
| 81) Benzo(a)anthracene         | 14.04 | 228 | 2904306 | 82.437  | ng | 93     |
| 82) 3,3'-Dichlorobenzidine     | 14.04 | 252 | 60290   | 4.411   | ng | # 1    |
| 83) Chrysene                   | 14.04 | 228 | 2904306 | 84.095  | ng | 98     |
| 86) Indeno(1,2,3-cd)pyrene     | 16.97 | 276 | 1597966 | 52.354  | ng | 97     |
| 88) Benzo(b)fluoranthene       | 15.07 | 252 | 4446825 | 103.365 | ng | # 97   |
| 89) Benzo(k)fluoranthene       | 15.07 | 252 | 4446825 | 112.524 | ng | 98     |
| 90) Benzo(a)pyrene             | 15.44 | 252 | 2386276 | 63.026  | ng | 99     |
| 91) Dibenzo(a,h)anthracene     | 17.13 | 278 | 276365  | 8.784   | ng | 97     |
| 92) Benzo(g,h,i)perylene       | 17.42 | 276 | 1733773 | 54.990  | ng | 99     |

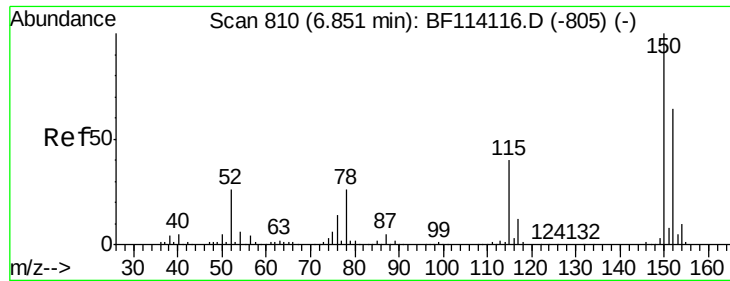
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF051119\  
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P026-SS005-0612-01

Quant Time: May 12 06:00:02 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

Instrument :

BNA\_F

ClientSampleId :

P026-SS005-0612-01

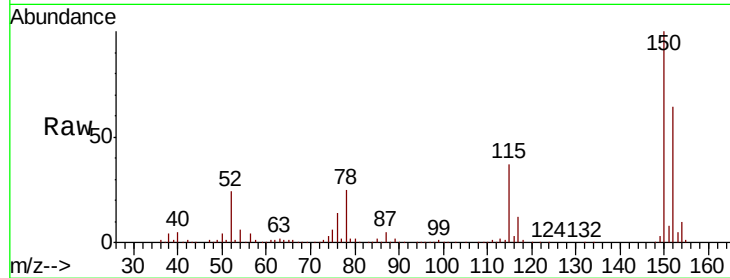
Tgt Ion:152 Resp: 271621

Ion Ratio Lower Upper

152 100

150 155.7 124.3 186.5

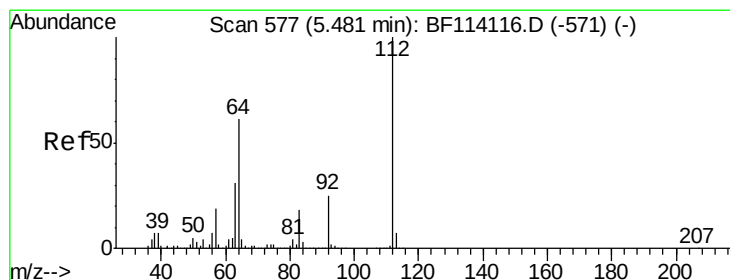
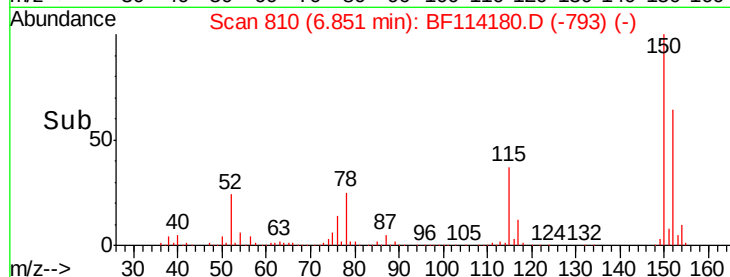
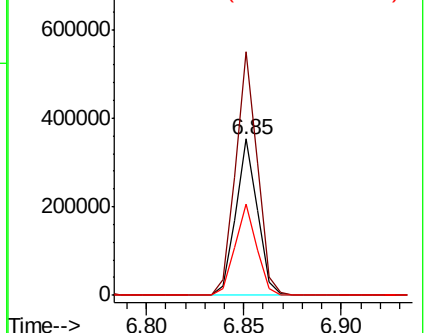
115 58.1 49.1 73.7



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: 111.333 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

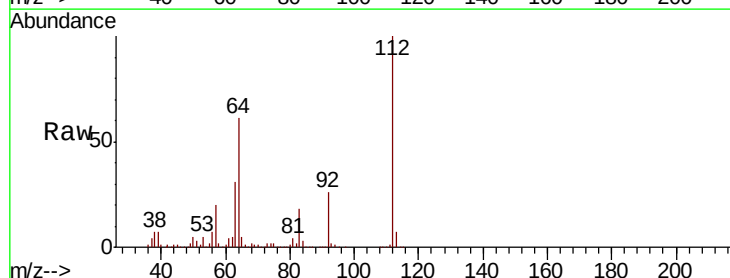
Tgt Ion:112 Resp: 1879141

Ion Ratio Lower Upper

112 100

64 61.5 49.0 73.6

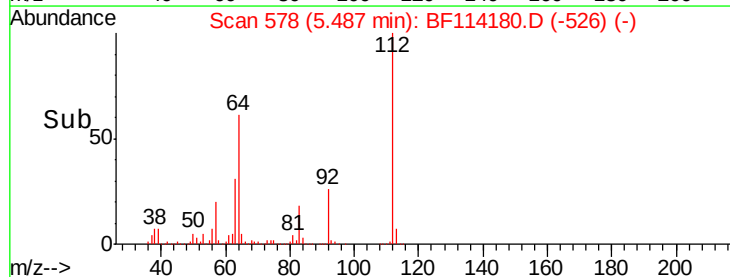
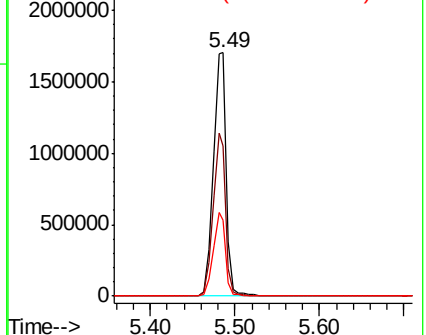
63 31.1 24.6 37.0

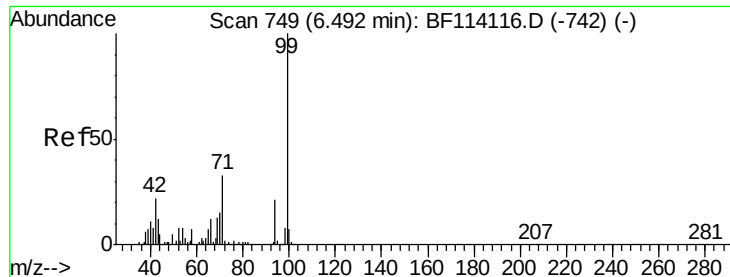


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 124.627 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

Instrument :

BNA\_F

ClientSampleId :

P026-SS005-0612-01

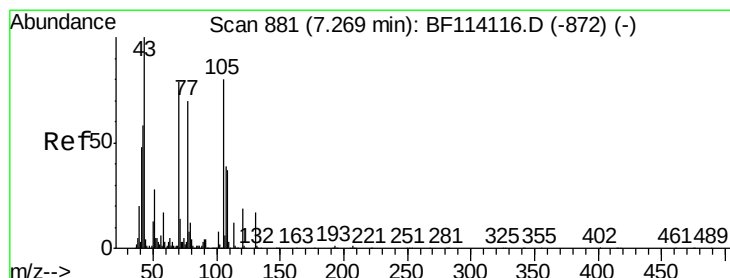
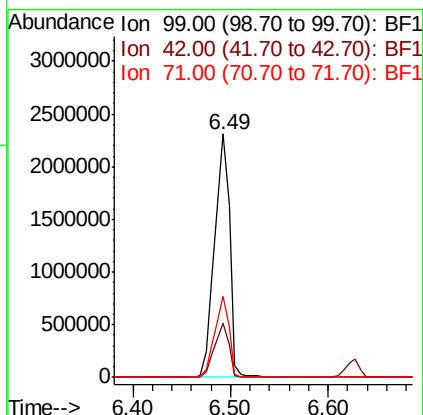
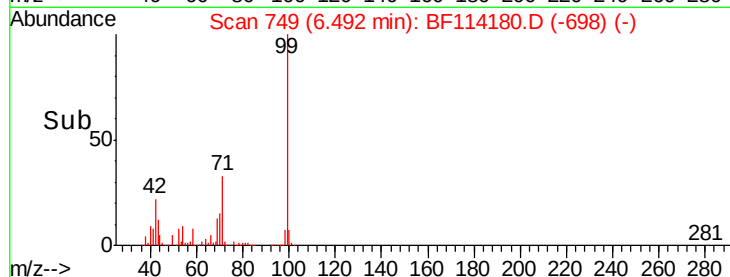
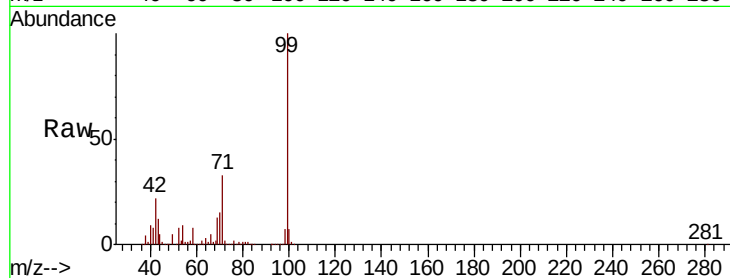
Tgt Ion: 99 Resp: 2487905

Ion Ratio Lower Upper

99 100

42 22.2 17.9 26.9

71 33.2 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.236 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

Tgt Ion: 70 Resp: 205447

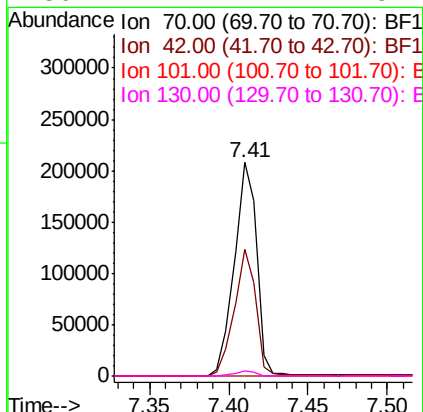
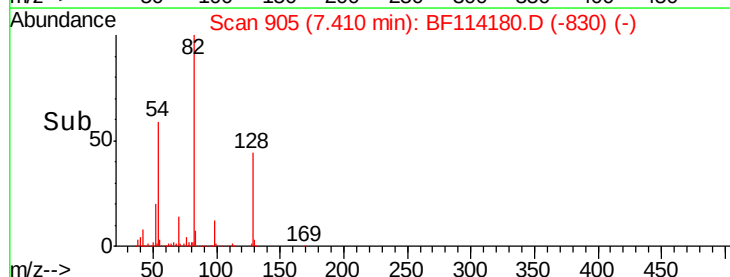
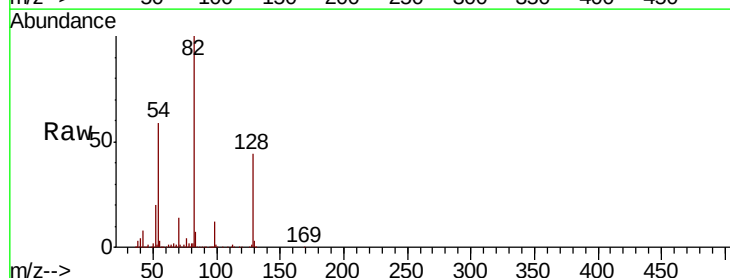
Ion Ratio Lower Upper

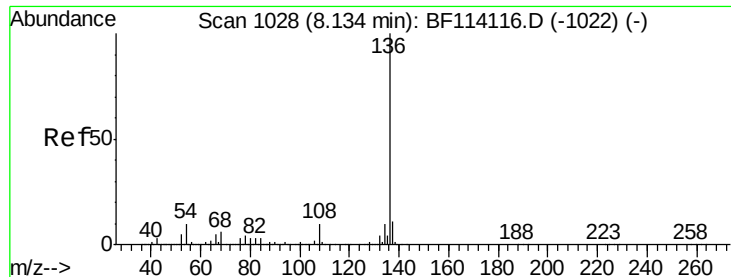
70 100

42 59.3 58.6 87.8

101 0.0 7.8 11.8#

130 2.4 17.1 25.7#

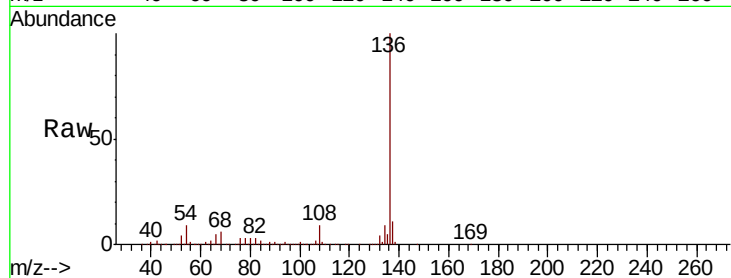




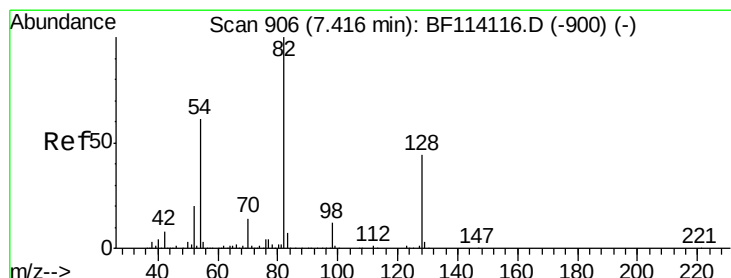
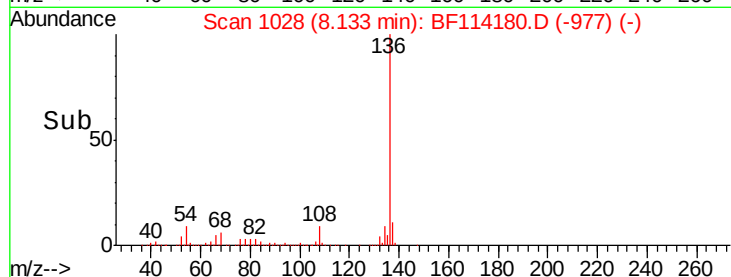
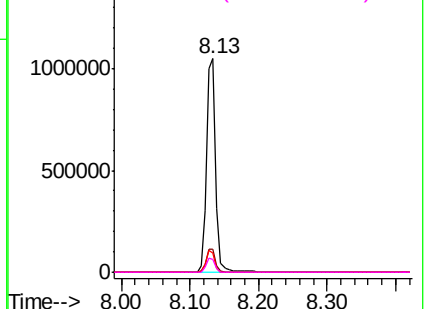
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1028  
Delta R.T. -0.00 min  
Lab File: BF114180.D  
Acq: 12 May 2019 3:30

Instrument :  
BNA\_F  
ClientSampleId :  
P026-SS005-0612-01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 996821 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.8   | 13.2   |
| 54       | 8.8   | 7.8   | 11.8   |
| 68       | 6.0   | 5.1   | 7.7    |

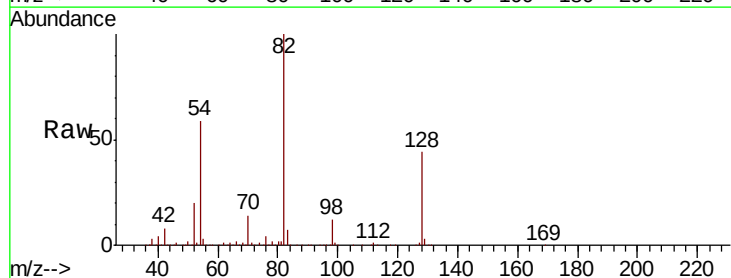


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

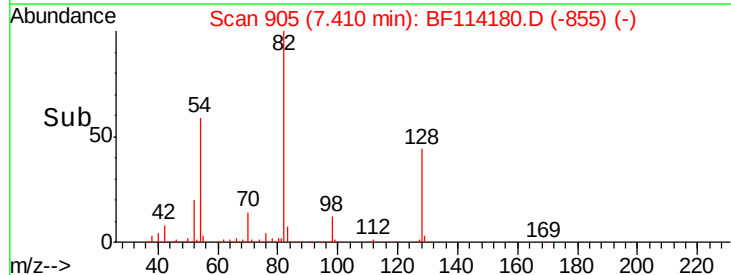
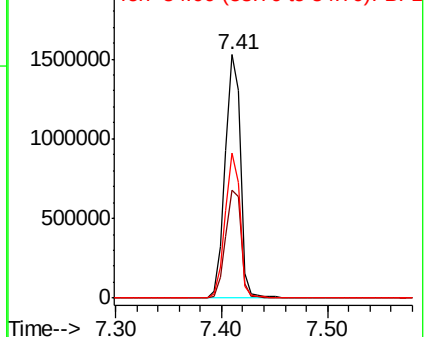


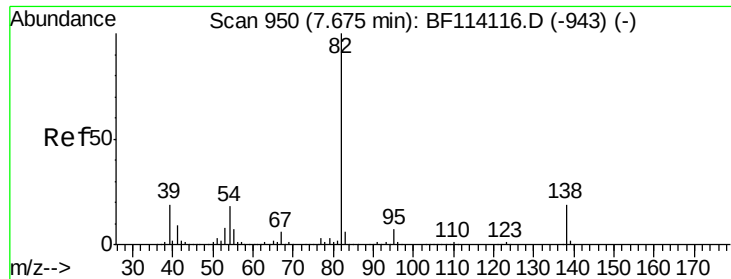
#23  
Nitrobenzene-d5  
Concen: 87.056 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF114180.D  
Acq: 12 May 2019 3:30

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1546311 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 44.2  | 35.5  | 53.3    |
| 54       | 59.4  | 48.5  | 72.7    |



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





#25

Isophorone

Concen: 46.498 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

Instrument :

BNA\_F

ClientSampleId :

P026-SS005-0612-01

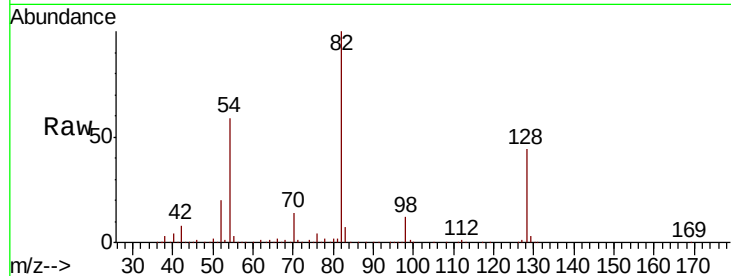
Tgt Ion: 82 Resp: 1531740

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#

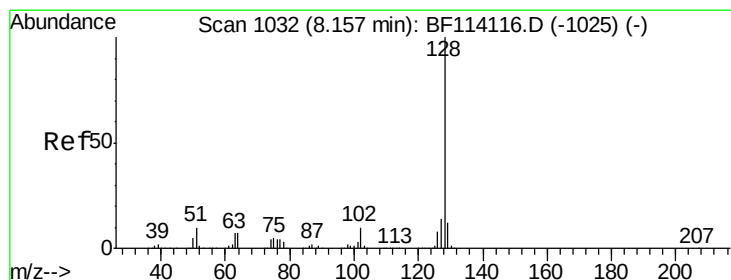
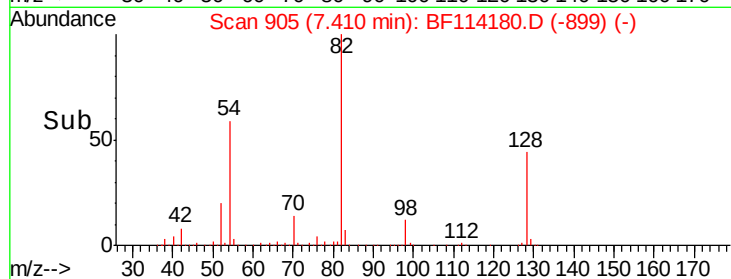
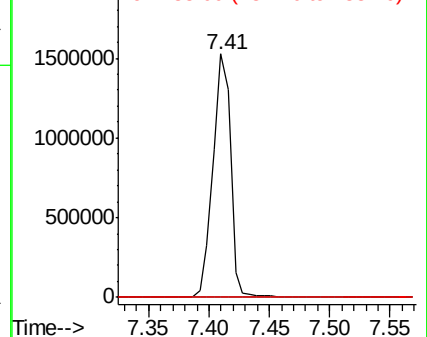


Abundance

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: 2.546 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

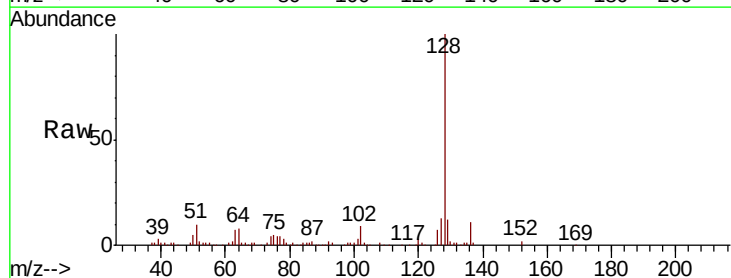
Tgt Ion: 128 Resp: 118538

Ion Ratio Lower Upper

128 100

129 11.7 9.6 14.4

127 13.5 11.3 16.9

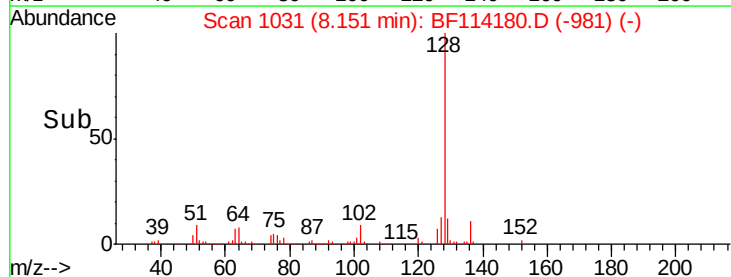
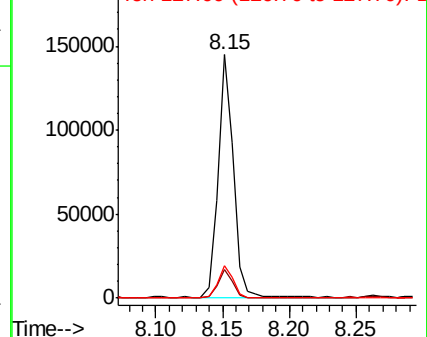


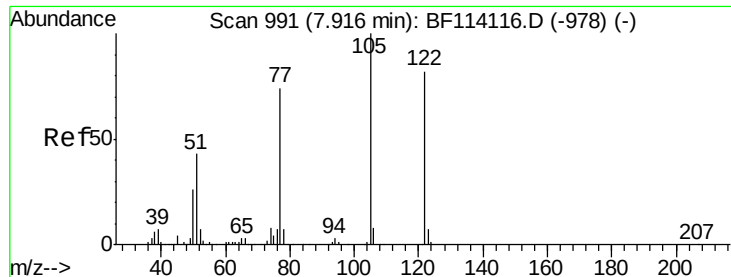
Abundance

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

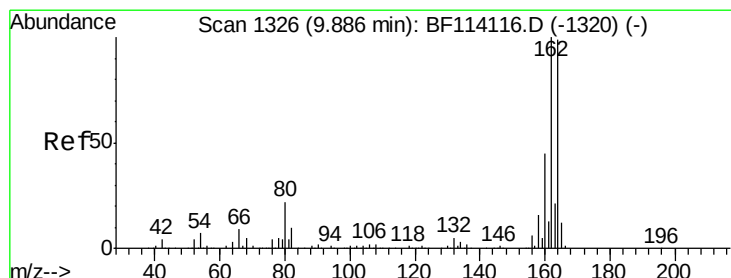
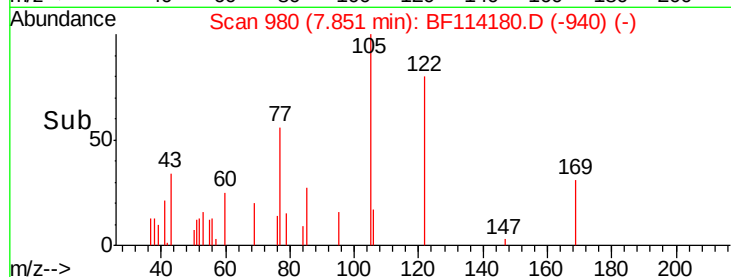
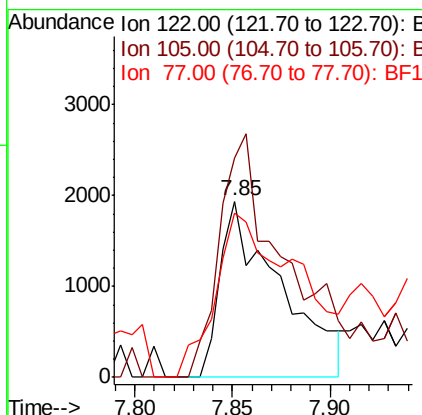
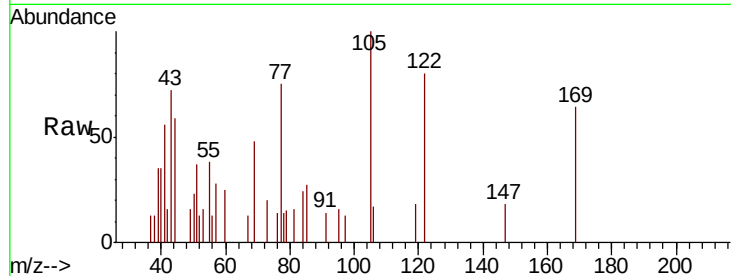




#32  
Benzoic acid  
Concen: 7.381 ng  
RT: 7.85 min Scan# 980  
Delta R.T. -0.06 min  
Lab File: BF114180.D  
Acq: 12 May 2019 3:30

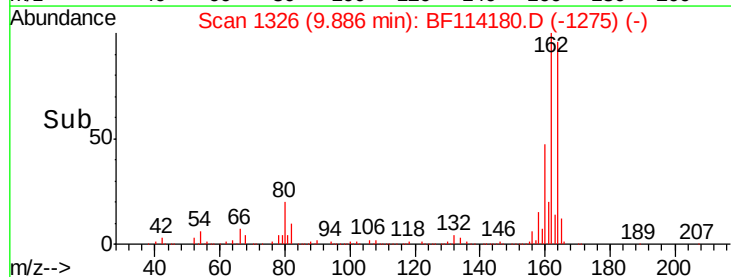
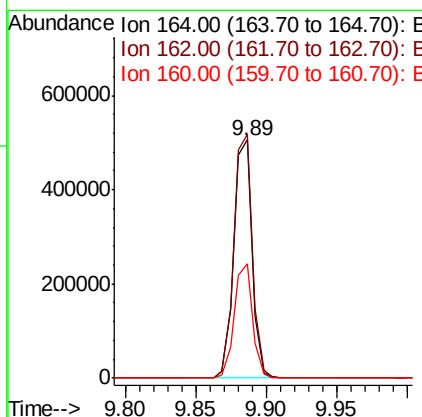
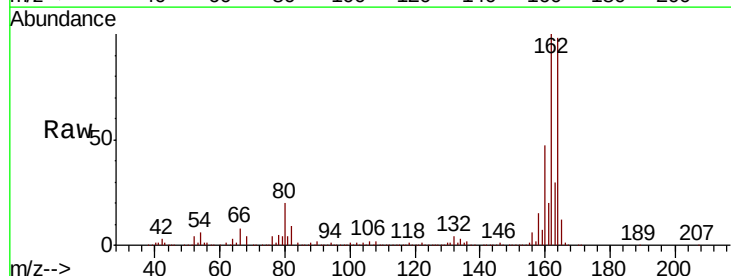
Instrument :  
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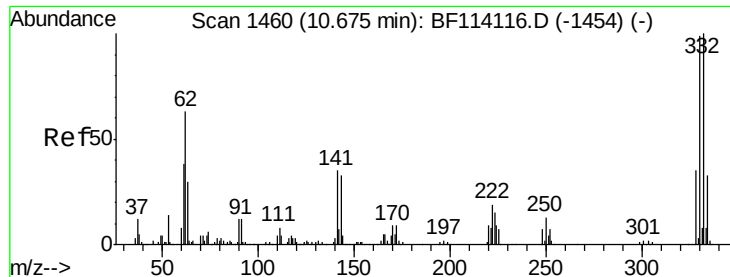
Tgt Ion:122 Resp: 4146  
Ion Ratio Lower Upper  
122 100  
105 124.6 99.9 139.9  
77 93.2 69.4 109.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. -0.00 min  
Lab File: BF114180.D  
Acq: 12 May 2019 3:30

Tgt Ion:164 Resp: 456827  
Ion Ratio Lower Upper  
164 100  
162 102.2 80.6 120.8  
160 47.8 36.5 54.7

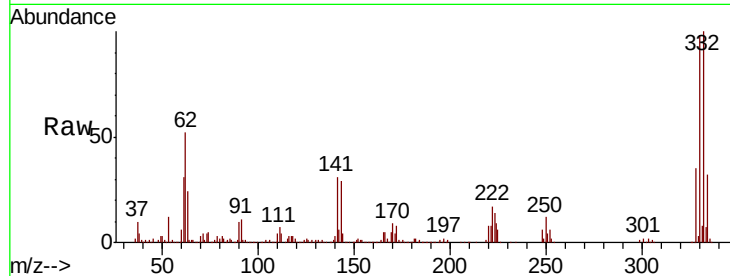




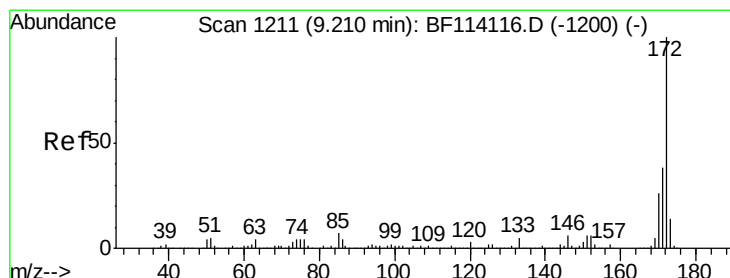
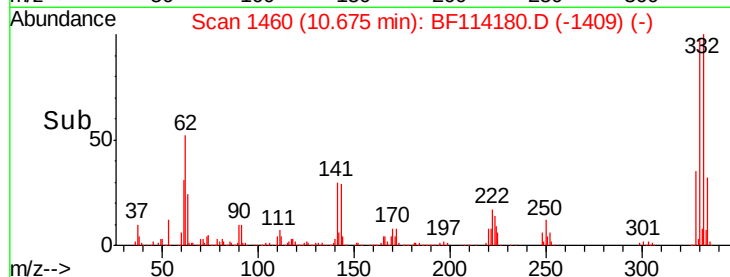
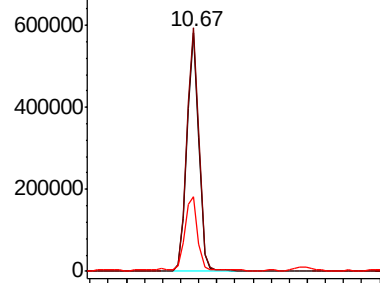
#42  
 2,4,6-Tribromophenol  
 Concen: 114.477 ng  
 RT: 10.67 min Scan# 1460  
 Delta R.T. -0.00 min  
 Lab File: BF114180.D  
 Acq: 12 May 2019 3:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P026-SS005-0612-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 103.4 | 81.4  | 122.2 |
| 141     | 33.5  | 26.6  | 40.0  |

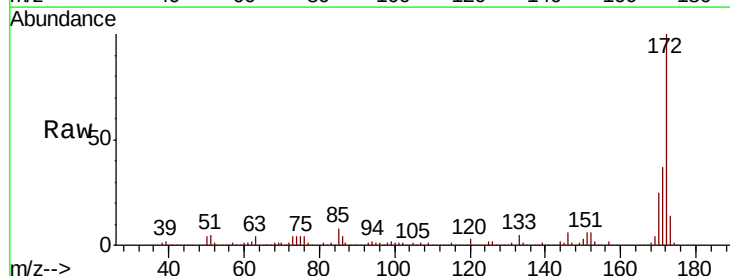


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

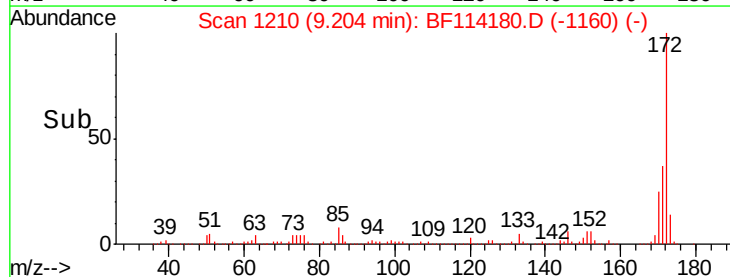
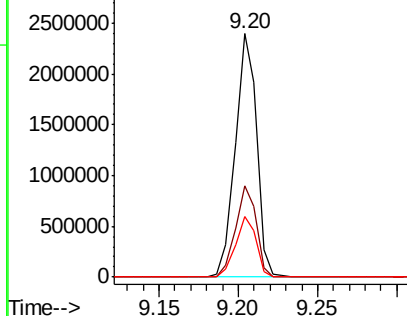


#45  
 2-Fluorobiphenyl  
 Concen: 73.864 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BF114180.D  
 Acq: 12 May 2019 3:30

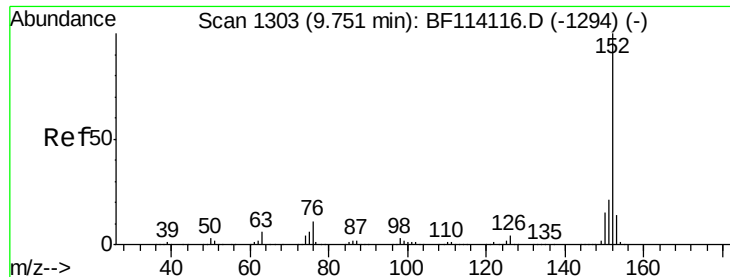
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 30.7  | 46.1  |
| 170     | 24.6  | 20.5  | 30.7  |



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







#49

Acenaphthylene

Concen: 18.669 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

Instrument :

BNA\_F

ClientSampleId :

P026-SS005-0612-01

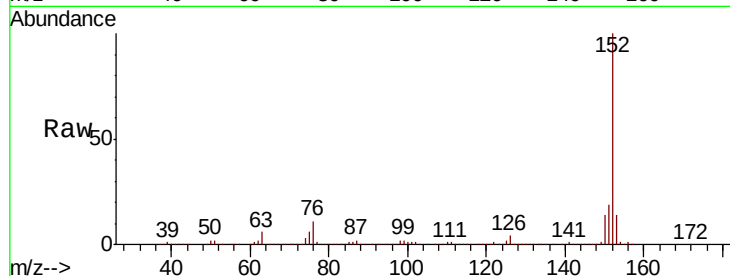
Tgt Ion:152 Resp: 843357

Ion Ratio Lower Upper

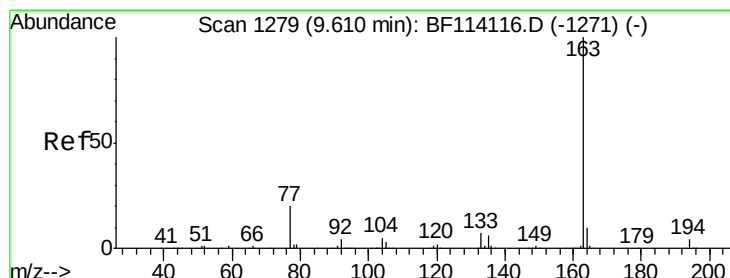
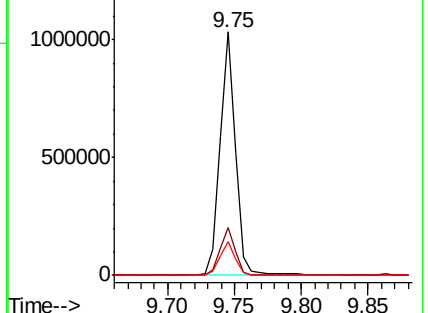
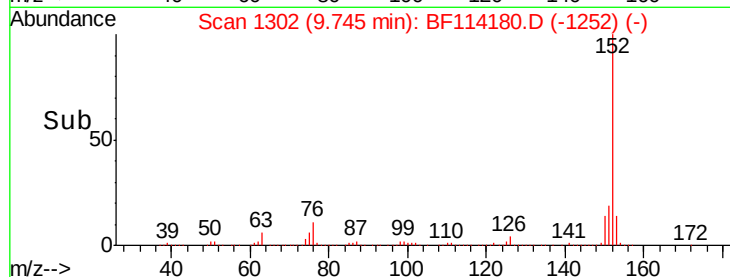
152 100

151 19.4 16.8 25.2

153 13.6 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: 12.407 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

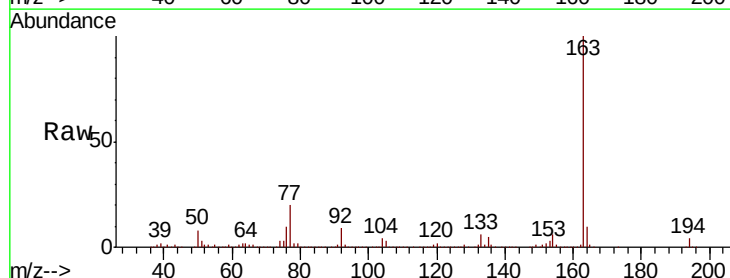
Tgt Ion:163 Resp: 416058

Ion Ratio Lower Upper

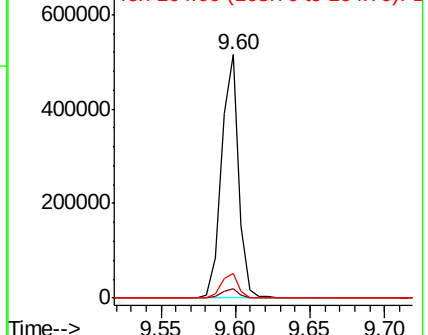
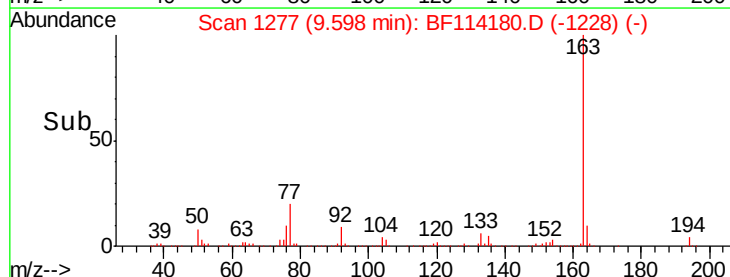
163 100

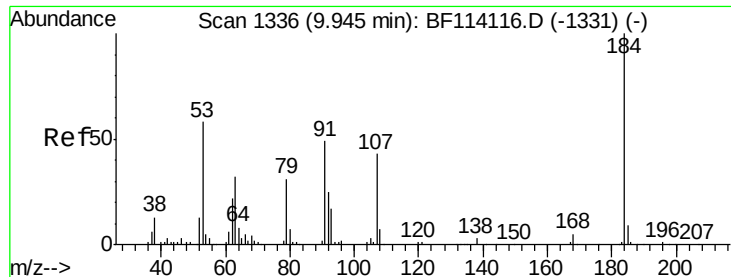
194 3.8 3.4 5.0

164 10.2 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

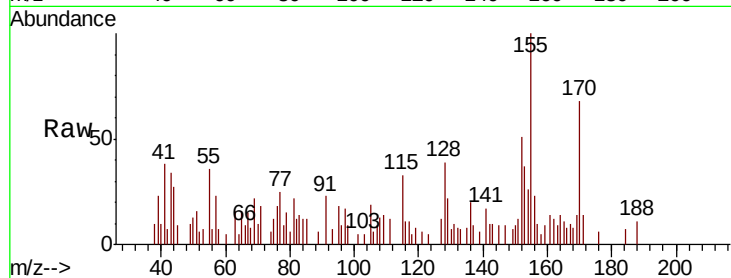




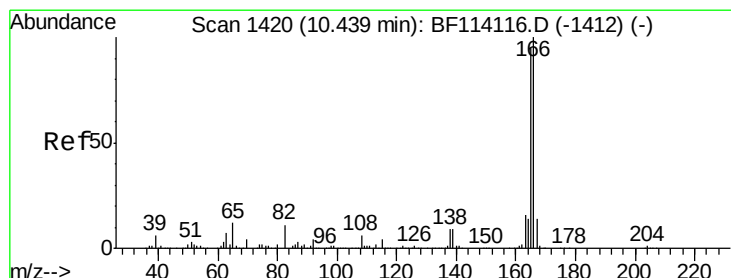
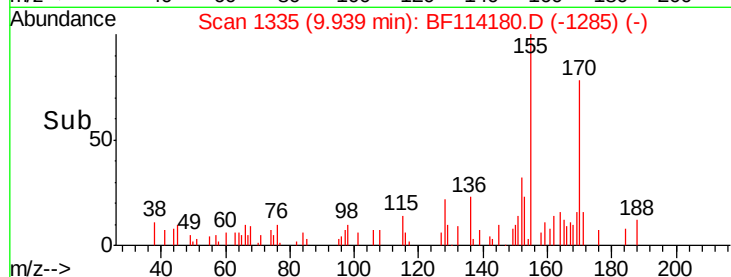
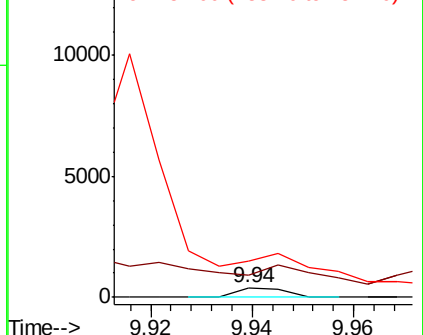
#54  
2,4-Dinitrophenol  
Concen: 6.812 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. -0.01 min  
Lab File: BF114180.D  
Acq: 12 May 2019 3:30

Instrument :  
BNA\_F  
ClientSampleId :  
P026-SS005-0612-01

Tgt Ion:184 Resp: 274  
Ion Ratio Lower Upper  
184 100  
63 223.2 55.6 83.4#  
154 360.9 46.0 69.0#

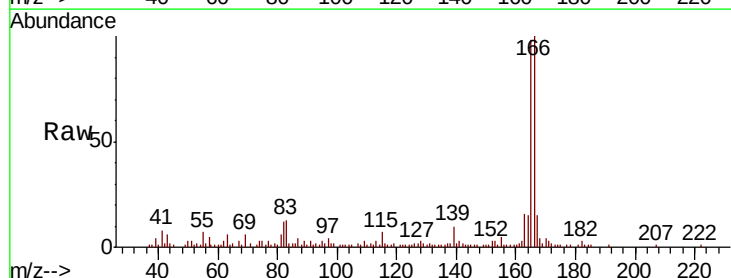


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

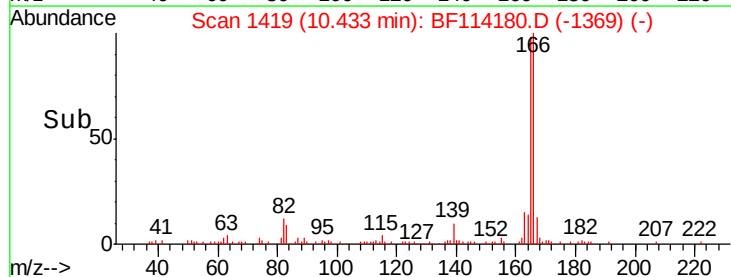
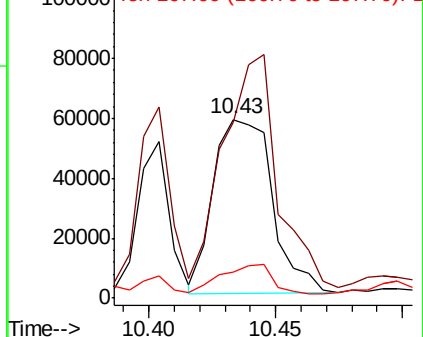


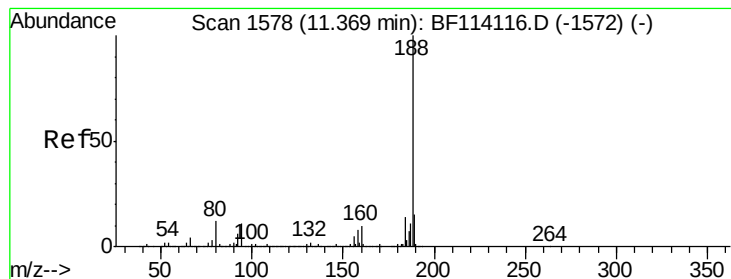
#58  
Fluorene  
Concen: 3.005 ng  
RT: 10.43 min Scan# 1419  
Delta R.T. -0.01 min  
Lab File: BF114180.D  
Acq: 12 May 2019 3:30

Tgt Ion:166 Resp: 94350  
Ion Ratio Lower Upper  
166 100  
165 98.4 76.1 114.1  
167 14.9 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# 1578

Delta R.T. -0.00 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

Instrument :

BNA\_F

ClientSampleId :

P026-SS005-0612-01

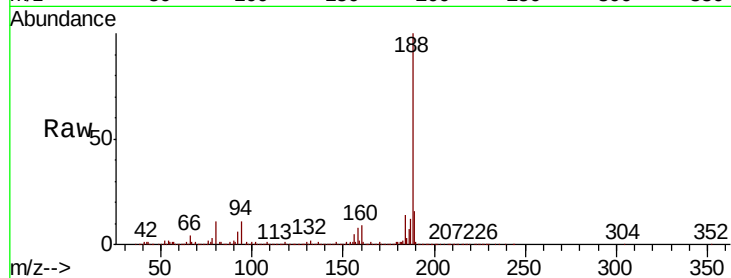
Tgt Ion:188 Resp: 818629

Ion Ratio Lower Upper

188 100

94 10.8 8.4 12.6

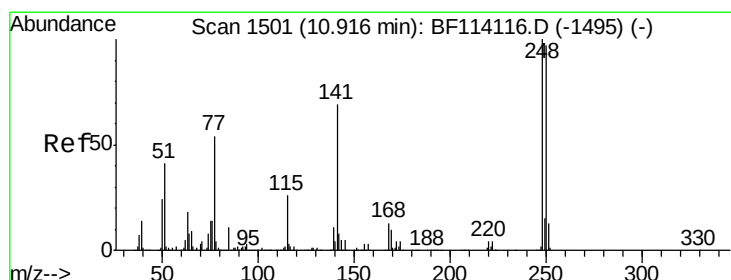
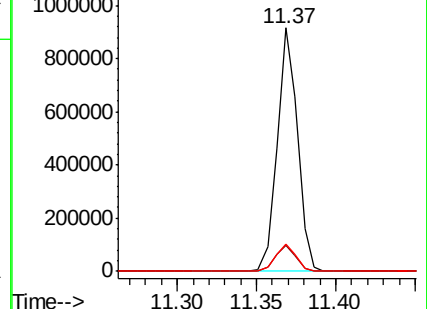
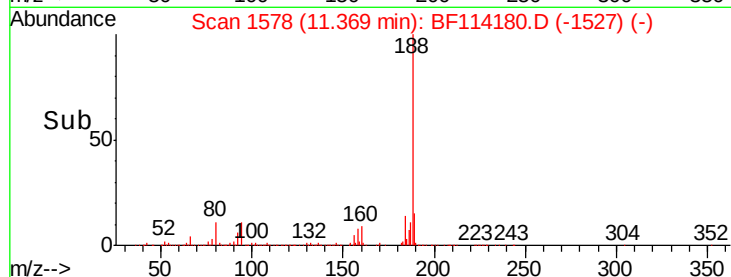
80 11.0 9.2 13.8



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: 3.807 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.24 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

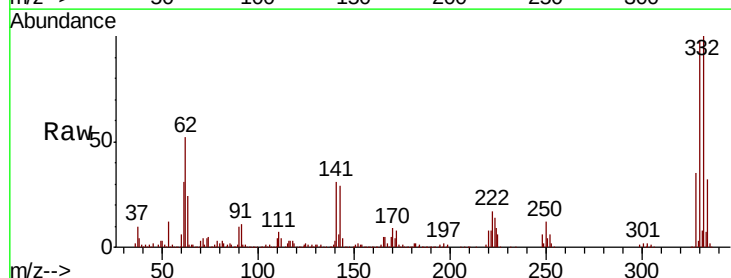
Tgt Ion:248 Resp: 34317

Ion Ratio Lower Upper

248 100

250 199.4 77.4 116.2#

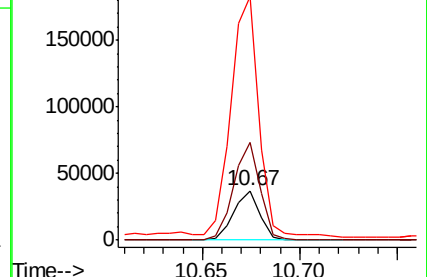
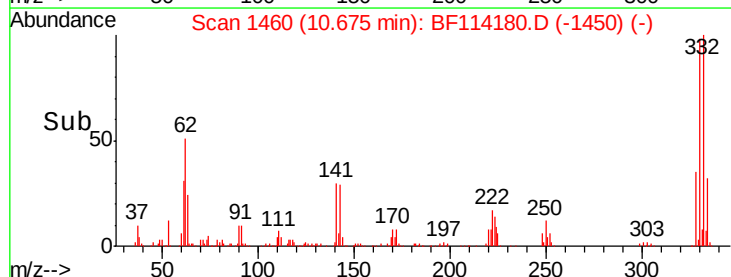
141 494.2 55.6 83.4#

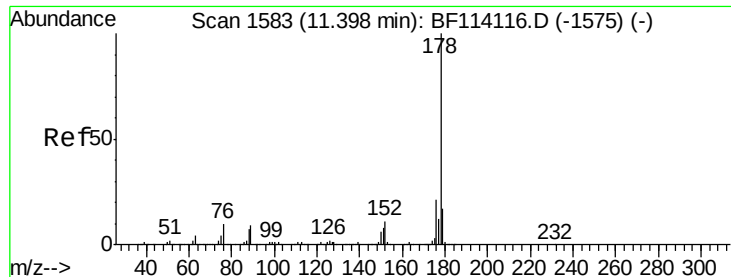


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 42.536 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

Instrument :

BNA\_F

ClientSampleId :

P026-SS005-0612-01

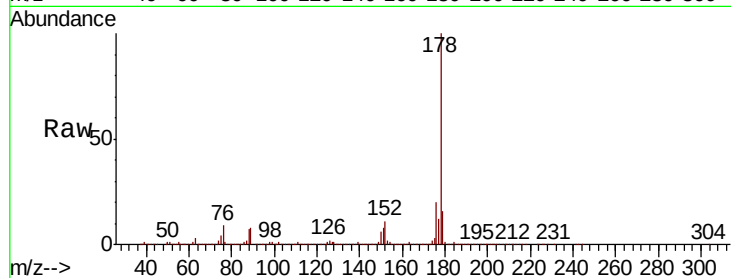
Tgt Ion:178 Resp: 1694098

Ion Ratio Lower Upper

178 100

176 19.8 16.4 24.6

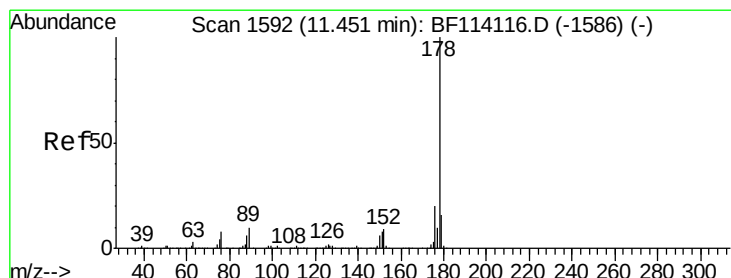
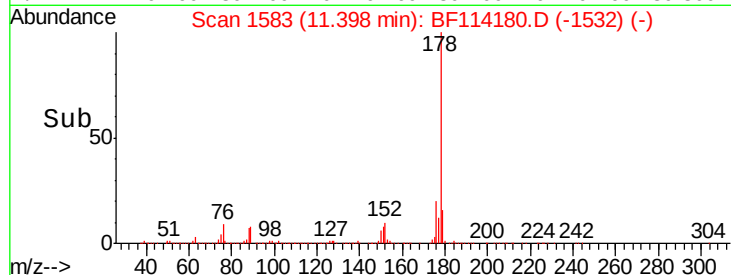
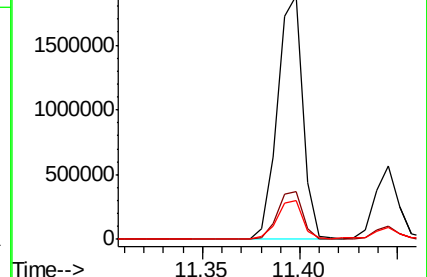
179 16.1 13.2 19.8



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: 11.469 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

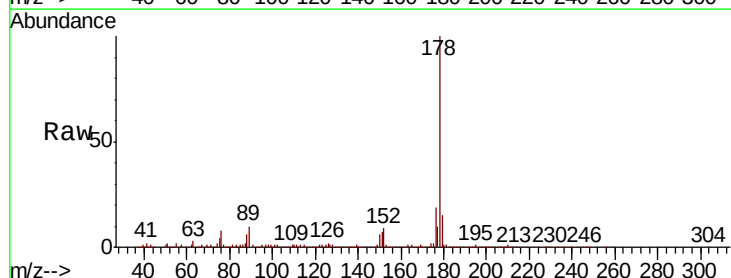
Tgt Ion:178 Resp: 458794

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

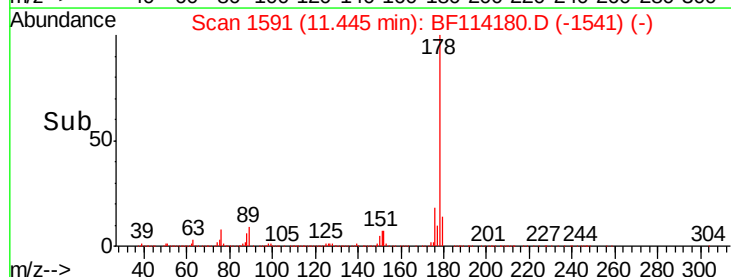
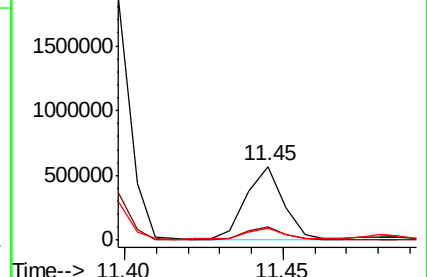
179 15.4 13.0 19.4

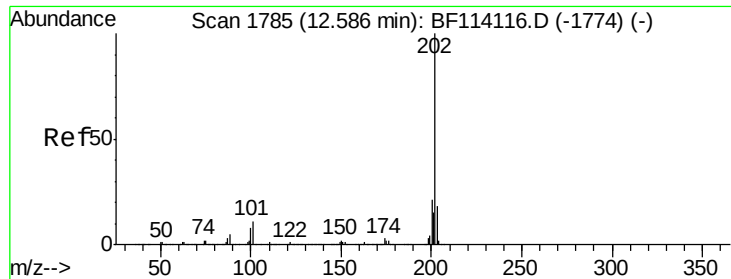


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 69.260 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

Instrument :

BNA\_F

ClientSampleId :

P026-SS005-0612-01

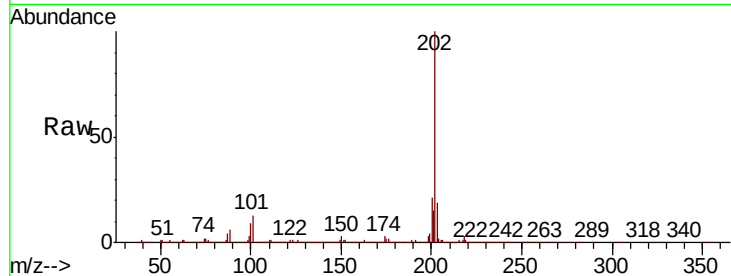
Tgt Ion:202 Resp: 2970477

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.0

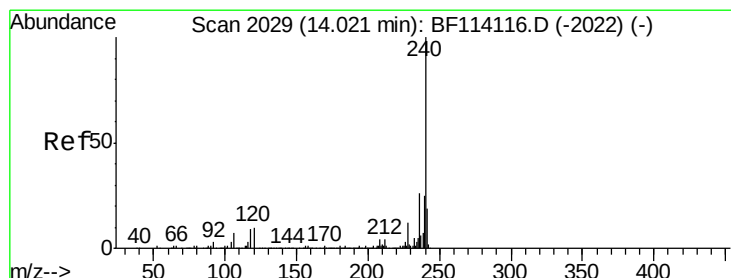
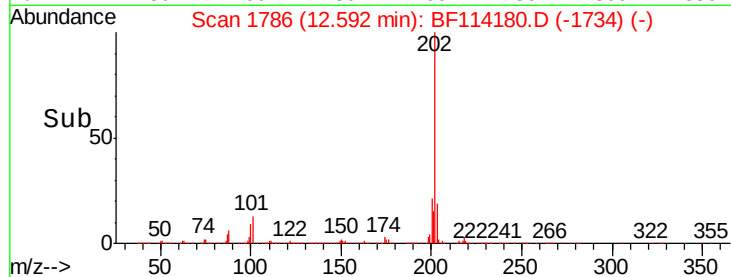
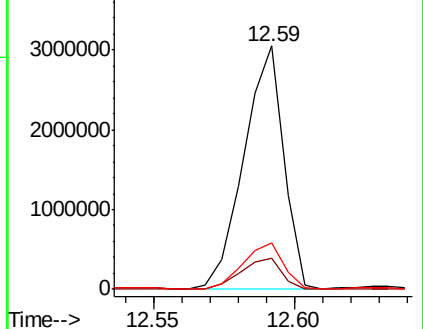
203 19.2 0.0 38.4



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: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

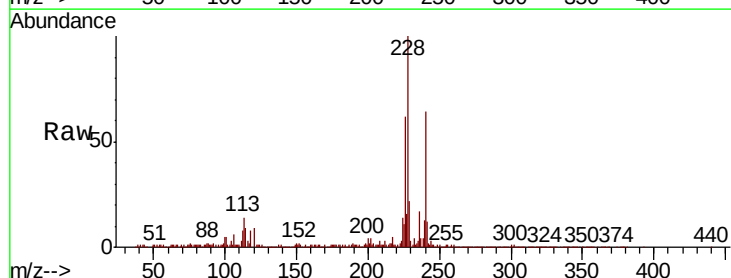
Tgt Ion:240 Resp: 544698

Ion Ratio Lower Upper

240 100

120 13.5 8.3 12.5#

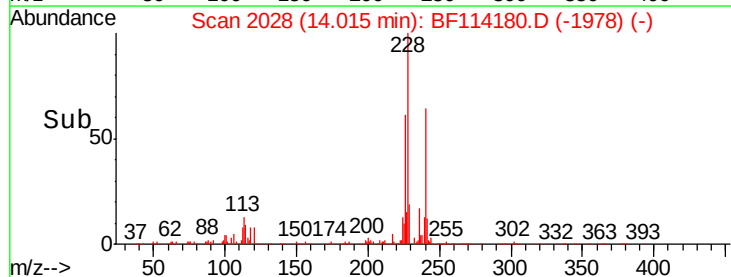
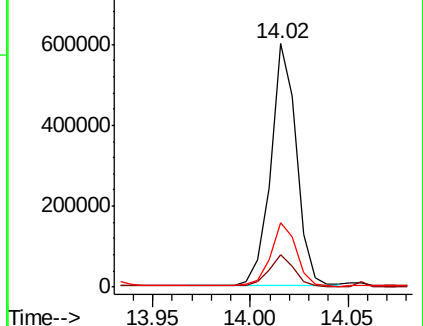
236 26.7 20.8 31.2

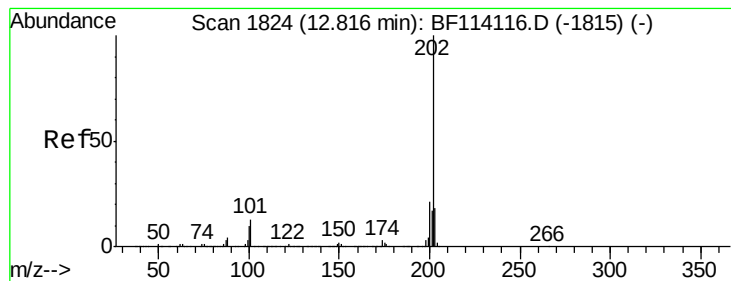


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 107.280 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

Instrument :

BNA\_F

ClientSampleId :

P026-SS005-0612-01

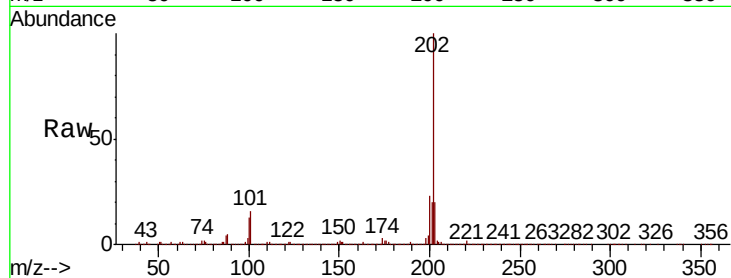
Tgt Ion:202 Resp: 4700813

Ion Ratio Lower Upper

202 100

200 23.5 16.9 25.3

203 20.2 14.5 21.7

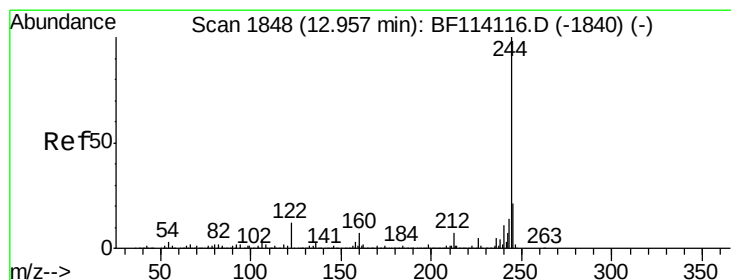
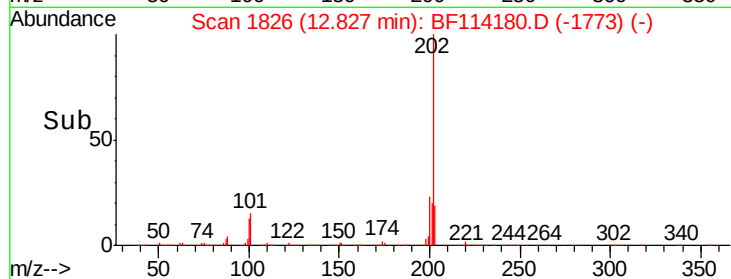
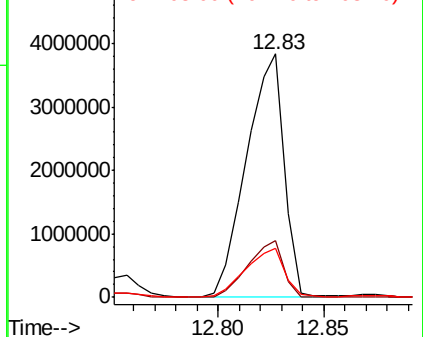


Abundance

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: 66.678 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

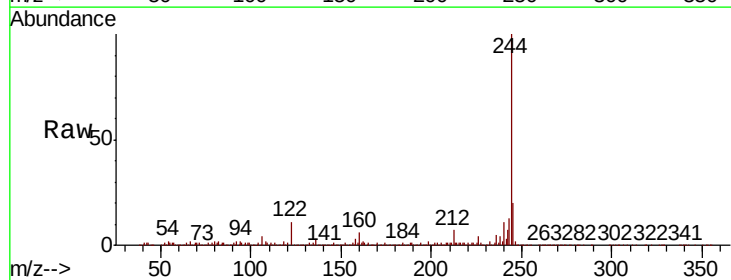
Tgt Ion:244 Resp: 1761853

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 11.3 9.4 14.2

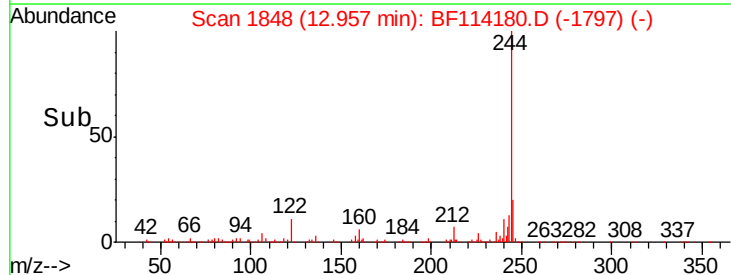
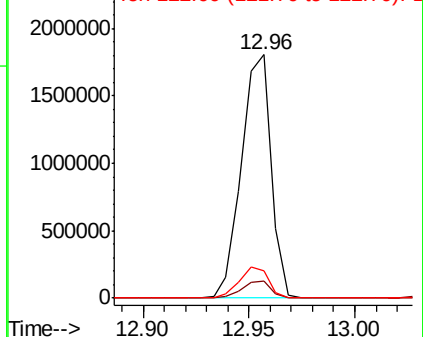


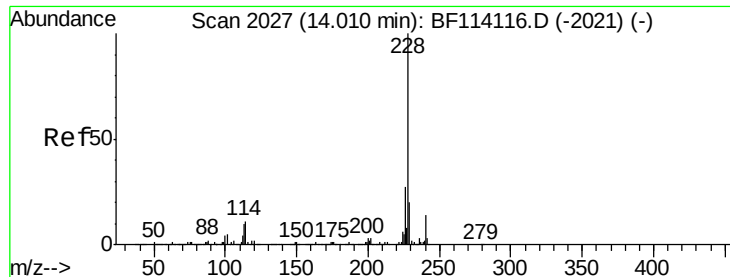
Abundance

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

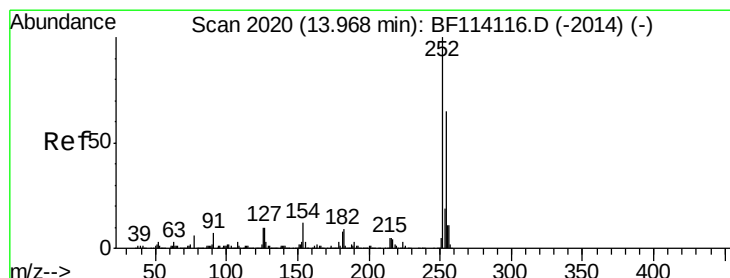
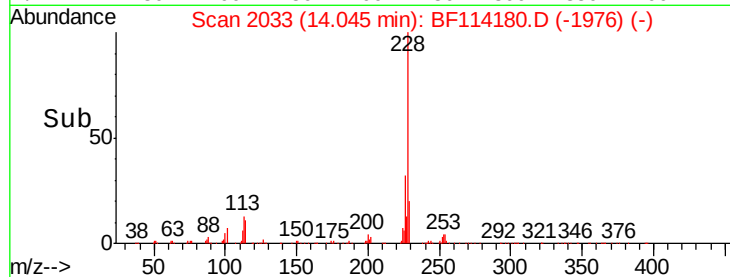
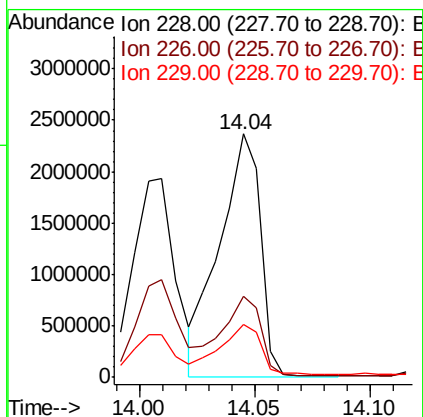
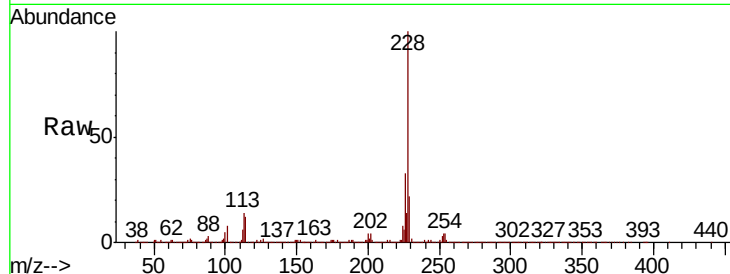




#81  
Benzo(a)anthracene  
Concen: 82.437 ng  
RT: 14.04 min Scan# 2033  
Delta R.T. 0.04 min  
Lab File: BF114180.D  
Acq: 12 May 2019 3:30

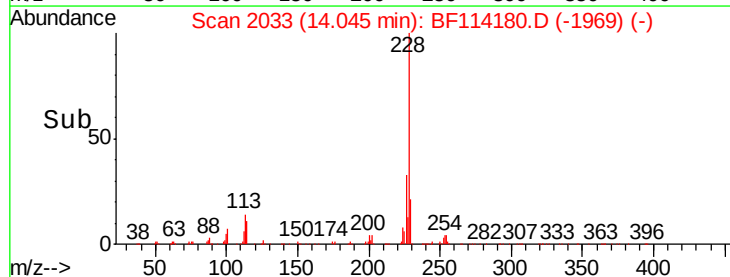
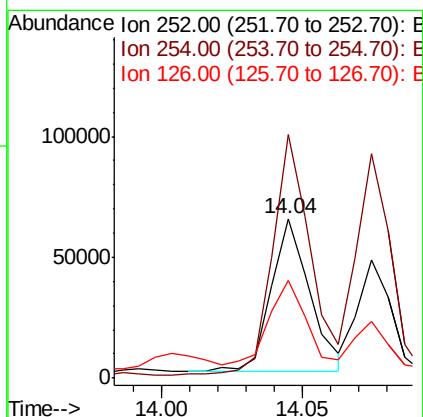
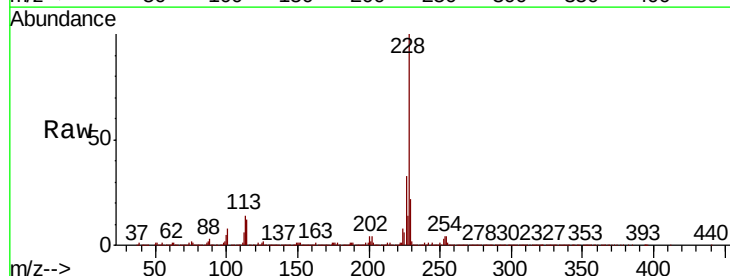
Instrument :  
BNA\_F  
ClientSampleId :  
P026-SS005-0612-01

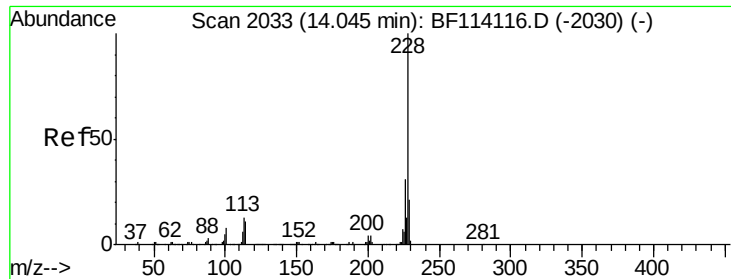
Tgt Ion:228 Resp: 2904306  
Ion Ratio Lower Upper  
228 100  
226 33.2 22.2 33.2  
229 21.7 16.4 24.6



#82  
3,3'-Dichlorobenzidine  
Concen: 4.411 ng  
RT: 14.04 min Scan# 2033  
Delta R.T. 0.08 min  
Lab File: BF114180.D  
Acq: 12 May 2019 3:30

Tgt Ion:252 Resp: 60290  
Ion Ratio Lower Upper  
252 100  
254 152.4 51.9 77.9#  
126 61.5 7.9 11.9#

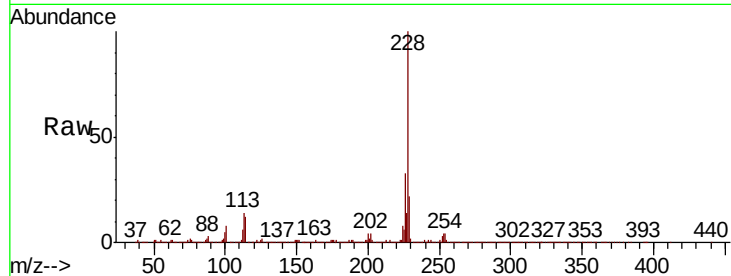




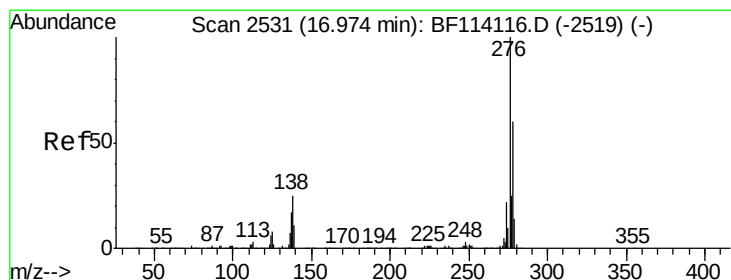
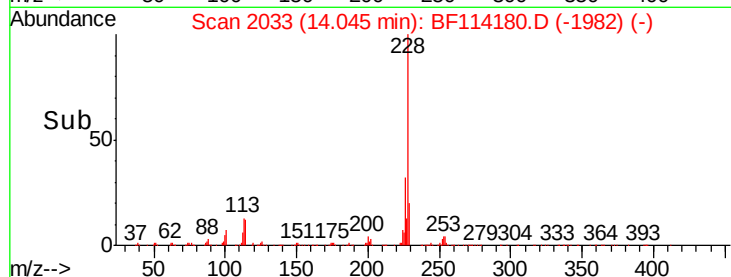
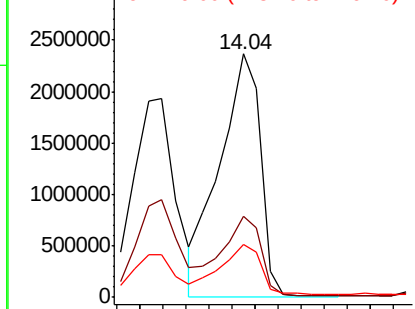
#83  
Chrysene  
Concen: 84.095 ng  
RT: 14.04 min Scan# 2033  
Delta R.T. -0.00 min  
Lab File: BF114180.D  
Acq: 12 May 2019 3:30

Instrument :  
BNA\_F  
ClientSampleId :  
P026-SS005-0612-01

Tgt Ion:228 Resp: 2904306  
Ion Ratio Lower Upper  
228 100  
226 33.2 25.0 37.6  
229 21.7 17.0 25.6

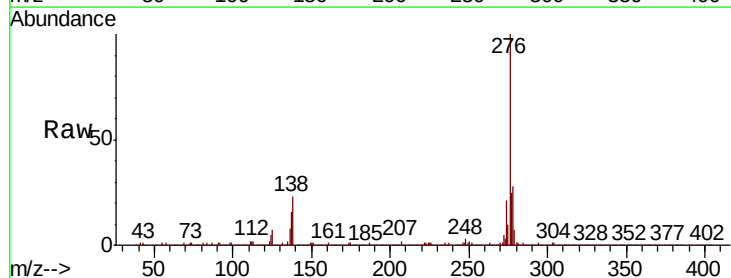


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

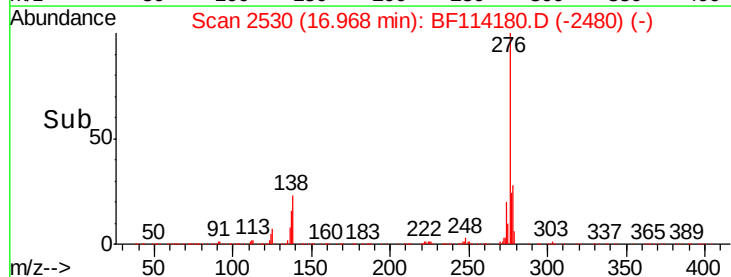
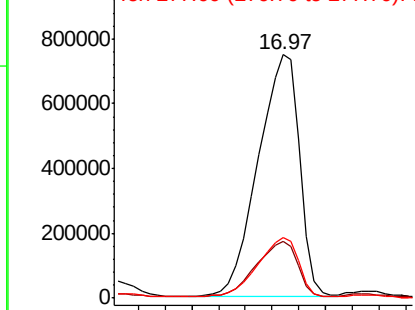


#86  
Indeno(1,2,3-cd)pyrene  
Concen: 52.354 ng  
RT: 16.97 min Scan# 2530  
Delta R.T. -0.01 min  
Lab File: BF114180.D  
Acq: 12 May 2019 3:30

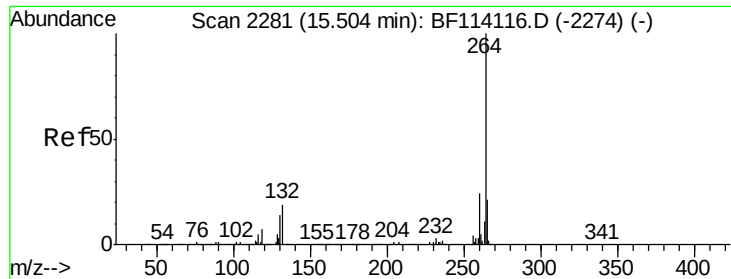
Tgt Ion:276 Resp: 1597966  
Ion Ratio Lower Upper  
276 100  
138 23.0 20.2 30.2  
277 24.3 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E





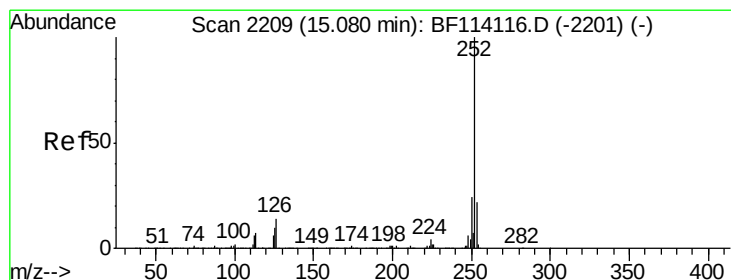
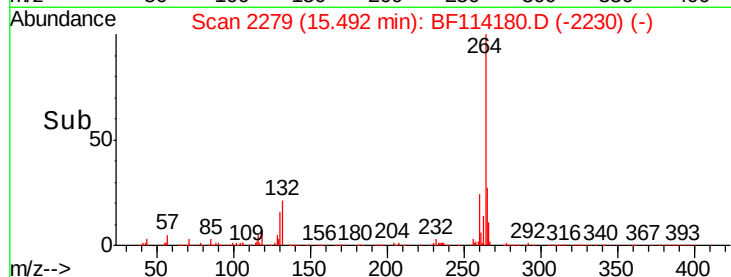
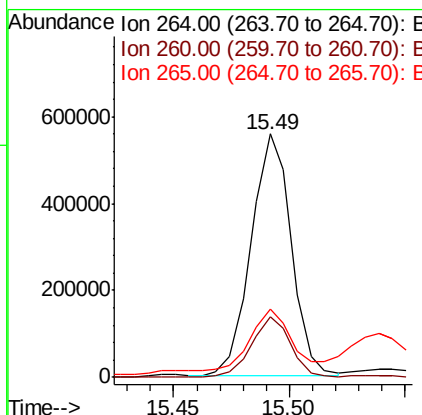
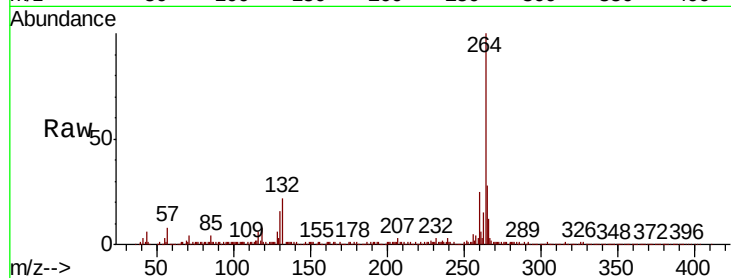


#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.49 min Scan# 2279  
Delta R.T. -0.01 min  
Lab File: BF114180.D  
Acq: 12 May 2019 3:30

Instrument :  
BNA\_F  
ClientSampleId :  
P026-SS005-0612-01

Tgt Ion: 264 Resp: 671507  

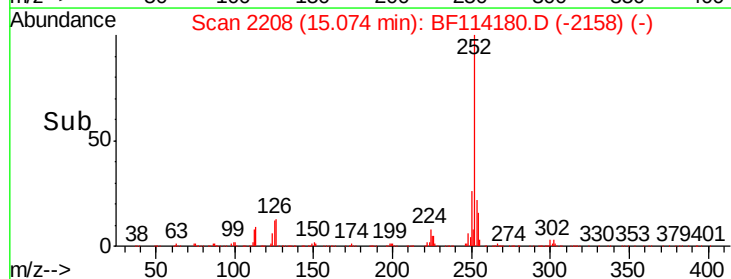
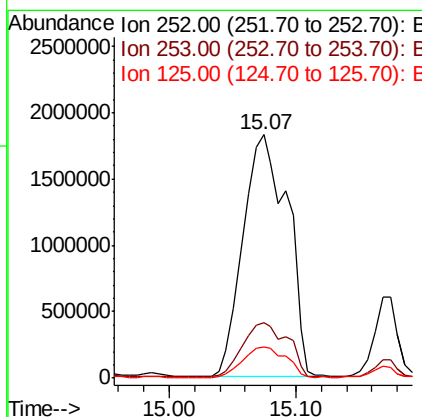
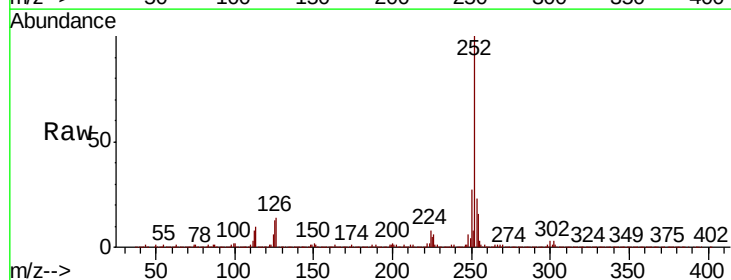
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.9  | 19.4  | 29.0  |
| 265 | 28.0  | 16.9  | 25.3  |

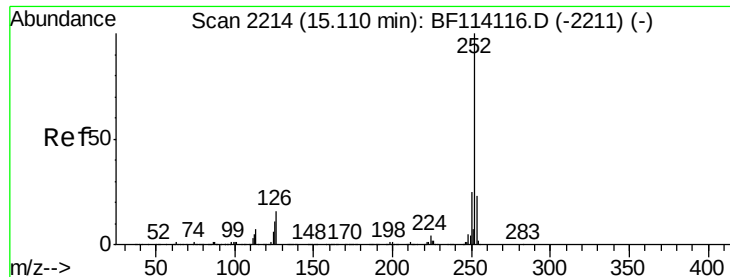


#88  
Benzo(b)fluoranthene  
Concen: 103.365 ng  
RT: 15.07 min Scan# 2208  
Delta R.T. -0.01 min  
Lab File: BF114180.D  
Acq: 12 May 2019 3:30

Tgt Ion: 252 Resp: 4446825  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.8  | 17.8  | 26.8  |
| 125 | 12.8  | 8.3   | 12.5  |

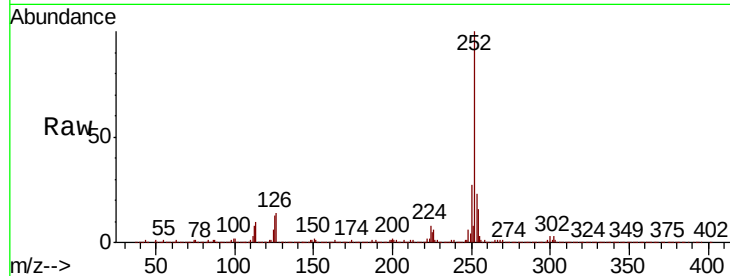




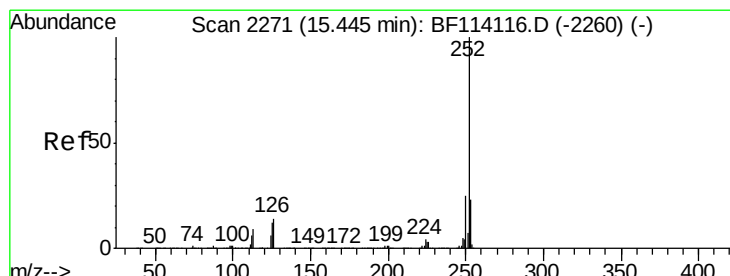
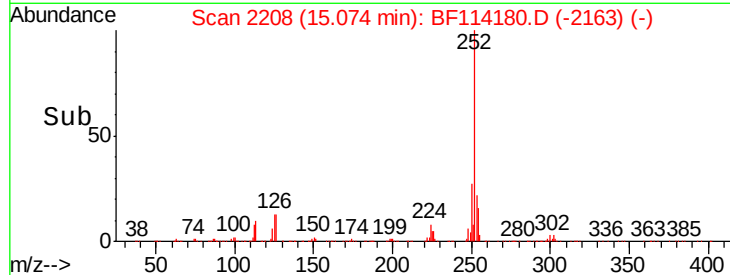
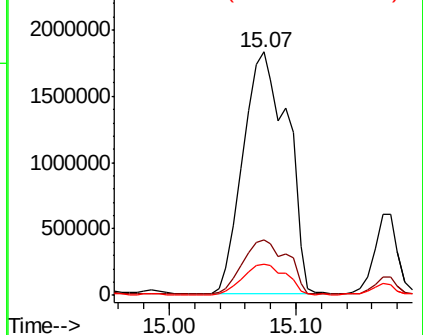
#89  
Benzo(k)fluoranthene  
Concen: 112.524 ng  
RT: 15.07 min Scan# 2208  
Delta R.T. -0.04 min  
Lab File: BF114180.D  
Acq: 12 May 2019 3:30

Instrument :  
BNA\_F  
ClientSampleId :  
P026-SS005-0612-01

Tgt Ion:252 Resp: 4446825  
Ion Ratio Lower Upper  
252 100  
253 22.8 18.2 27.2  
125 12.8 8.6 13.0

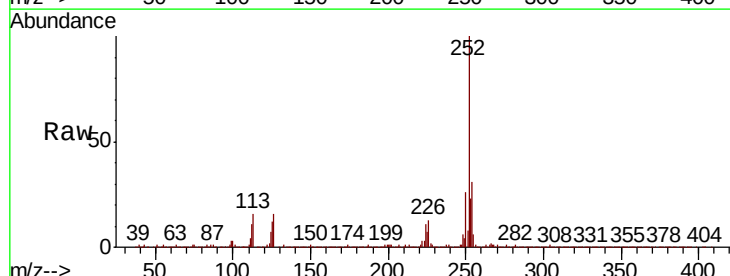


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

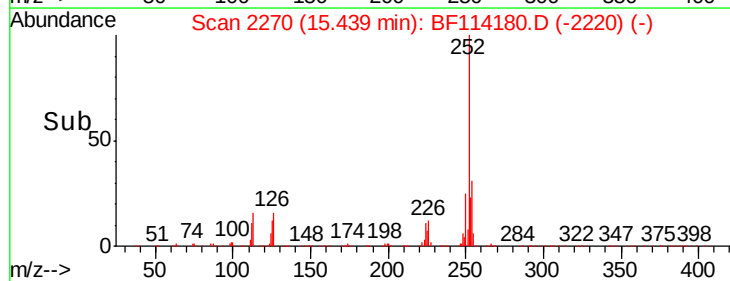
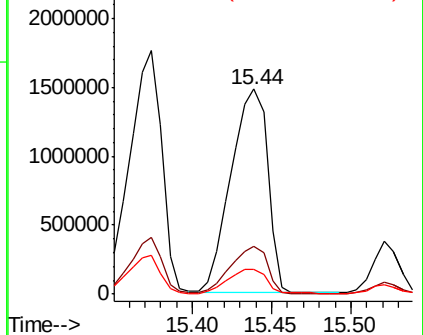


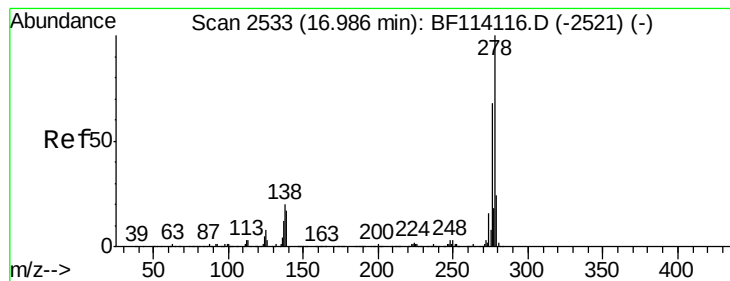
#90  
Benzo(a)pyrene  
Concen: 63.026 ng  
RT: 15.44 min Scan# 2270  
Delta R.T. -0.01 min  
Lab File: BF114180.D  
Acq: 12 May 2019 3:30

Tgt Ion:252 Resp: 2386276  
Ion Ratio Lower Upper  
252 100  
253 23.2 18.1 27.1  
125 12.3 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: 8.784 ng

RT: 17.13 min Scan# 2557

Delta R.T. 0.14 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

Instrument :

BNA\_F

ClientSampleId :

P026-SS005-0612-01

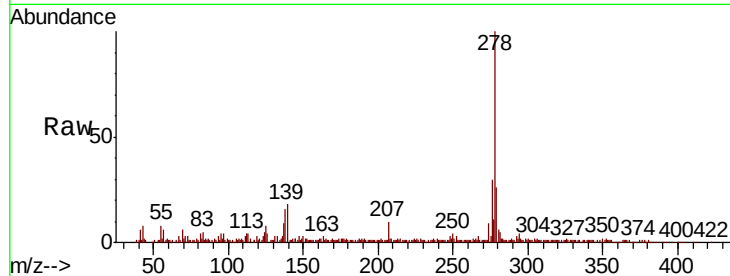
Tgt Ion: 278 Resp: 276365

Ion Ratio Lower Upper

278 100

139 17.8 13.5 20.3

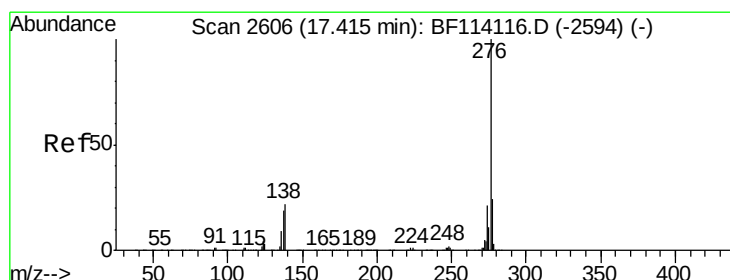
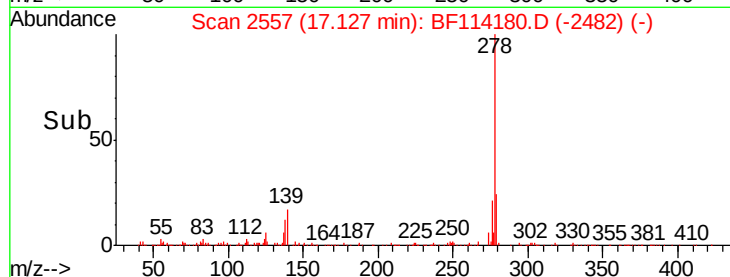
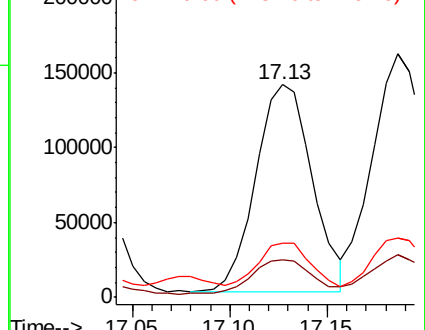
279 25.8 19.0 28.6



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: 54.990 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.01 min

Lab File: BF114180.D

Acq: 12 May 2019 3:30

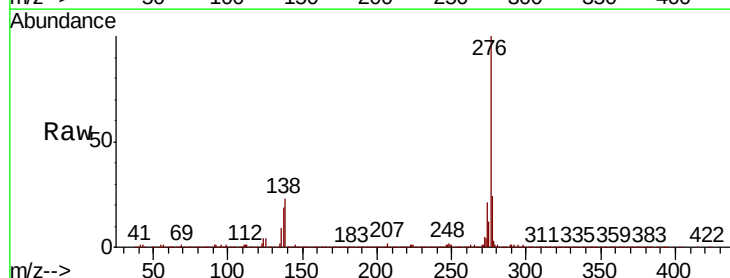
Tgt Ion: 276 Resp: 1733773

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.4

138 23.1 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

