

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051521\  
 Data File : BF123943.D  
 Acq On : 15 May 2021 14:10  
 Operator : JU/CG  
 Sample : M2383-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KSB-02(7.5-9.5)

Quant Time: May 16 05:19:14 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 14 19:05:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.904  | 152  | 39061    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.192  | 136  | 156943   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.939  | 164  | 86866    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.427 | 188  | 152950   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.074 | 240  | 109137   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.562 | 264  | 105922   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 199898   | 71.85  | ng    | 0.02     |
| 7) Phenol-d6                  | 6.522  | 99   | 299783   | 83.07  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 211333   | 58.02  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.727 | 330  | 93720    | 89.83  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.263  | 172  | 366502   | 51.92  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.021 | 244  | 336524   | 46.70  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 3) Pyridine                   | 3.451  | 79   | 21510    | 6.82   | ng    | 97       |
| 18) Hexachloroethane          | 7.434  | 117  | 5601     | 4.38   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.457  | 70   | 31484    | 12.91  | ng    | # 77     |
| 25) Isophorone                | 7.457  | 82   | 209065   | 29.84  | ng    | # 69     |
| 31) Naphthalene               | 8.222  | 128  | 2467205  | 265.63 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.222  | 127  | 352428   | 99.67  | ng    | # 32     |
| 37) 2-Methylnaphthalene       | 8.898  | 142  | 273098   | 43.38  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.998  | 142  | 113111   | 19.25  | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.363  | 154  | 80156    | 10.48  | ng    | 97       |
| 49) Acenaphthylene            | 9.798  | 152  | 66528    | 7.41   | ng    | 99       |
| 50) Dimethylphthalate         | 9.651  | 163  | 20464    | 2.95   | ng    | # 93     |
| 51) 2,6-Dinitrotoluene        | 9.610  | 165  | 2974     | 2.12   | ng    | # 76     |
| 52) Acenaphthene              | 9.969  | 154  | 13665    | 2.22   | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 10.239 | 184  | 123      | 7.43   | ng    | # 29     |
| 55) Dibenzofuran              | 10.145 | 168  | 215492   | 24.41  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.145 | 139  | 88752    | 76.97  | ng    | # 1      |
| 58) Fluorene                  | 10.492 | 166  | 310355   | 46.66  | ng    | 93       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 4193     | 3.02   | ng    | # 25     |
| 65) 4,6-Dinitro-2-methylph... | 10.622 | 198  | 109      | 5.54   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.727 | 248  | 6921     | 3.44   | ng    | # 1      |
| 71) Phenanthrene              | 11.463 | 178  | 789453   | 81.44  | ng    | 100      |
| 72) Anthracene                | 11.504 | 178  | 182880   | 18.62  | ng    | 99       |
| 73) Carbazole                 | 11.651 | 167  | 33163    | 3.86   | ng    | # 91     |
| 75) Fluoranthene              | 12.663 | 202  | 367285   | 36.59  | ng    | 99       |
| 78) Pyrene                    | 12.886 | 202  | 304694   | 31.45  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.062 | 228  | 127845   | 16.20  | ng    | 96       |
| 83) Chrysene                  | 14.098 | 228  | 105918   | 13.95  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.056 | 276  | 90101    | 11.01  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.127 | 252  | 212241   | 25.90  | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 212241   | 28.42  | ng    | # 95     |
| 90) Benzo(a)pyrene            | 15.498 | 252  | 110449   | 15.59  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.062 | 278  | 17684    | 2.57   | ng    | # 81     |
| 92) Benzo(g,h,i)perylene      | 17.515 | 276  | 116031   | 16.80  | ng    | # 94     |
| -----                         |        |      |          |        |       |          |

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

**Instrument :**

BNA\_F

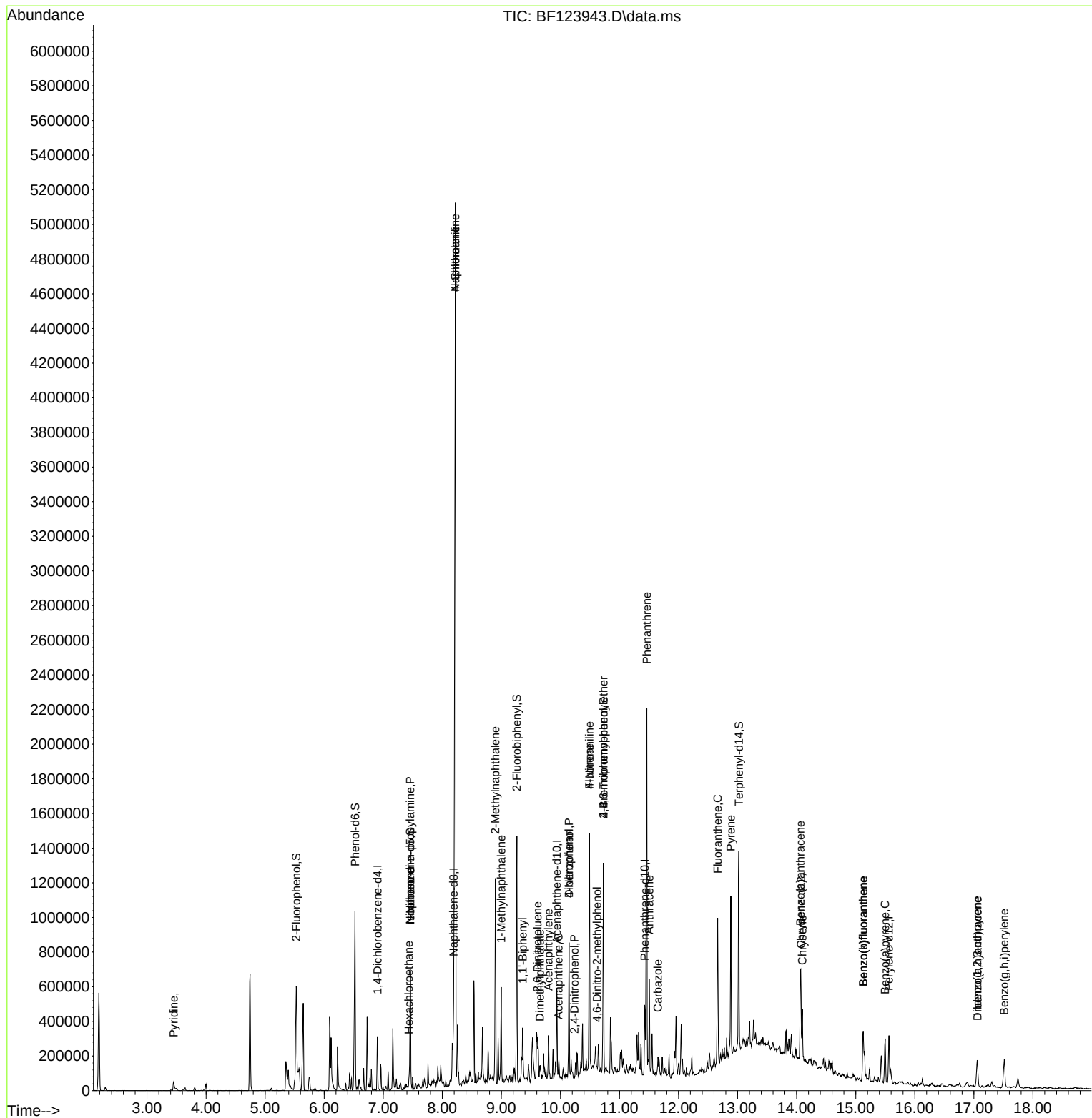
**ClientSampleId :**

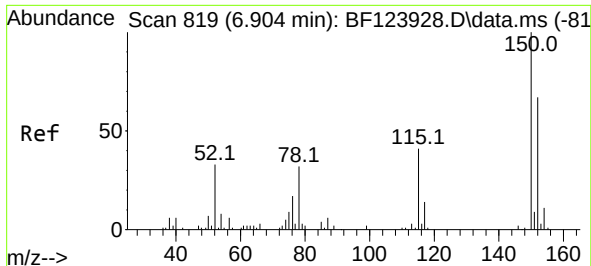
KSB-02(7.5-9.5)

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051521\  
Data File : BF123943.D  
Acq On : 15 May 2021 14:10  
Operator : JU/CG  
Sample : M2383-02  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

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BNA\_F  
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KSB-02(7.5-9.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri May 14 19:05:57 2021  
Response via : Initial Calibration

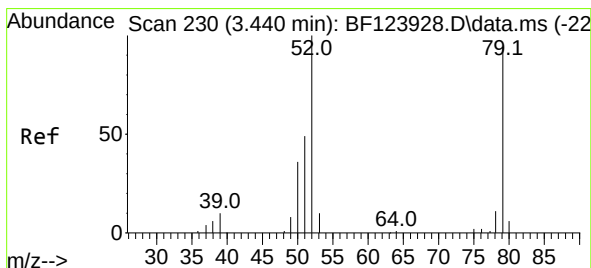
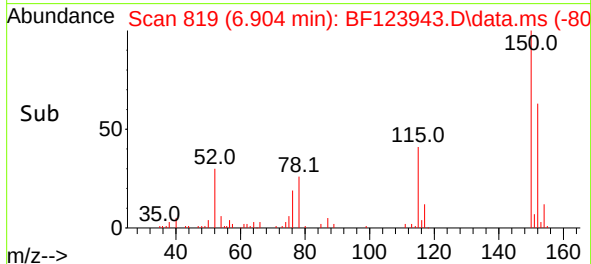
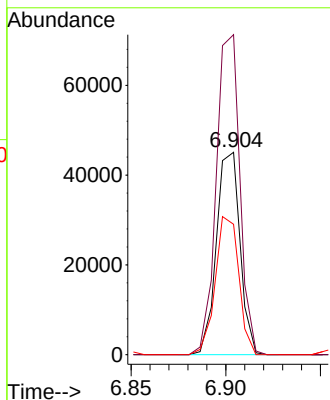
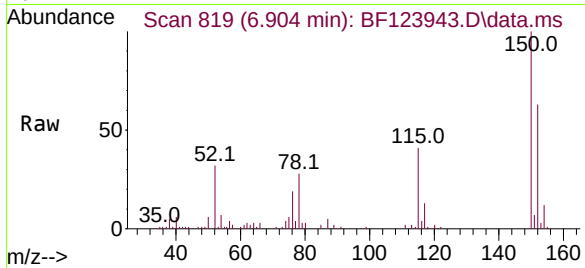




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.904 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

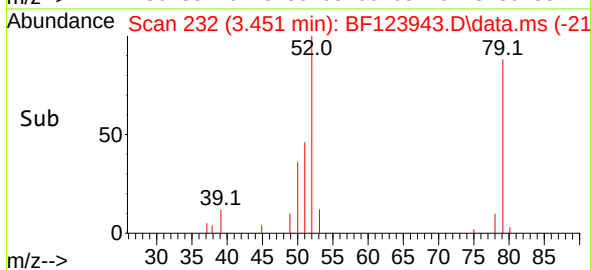
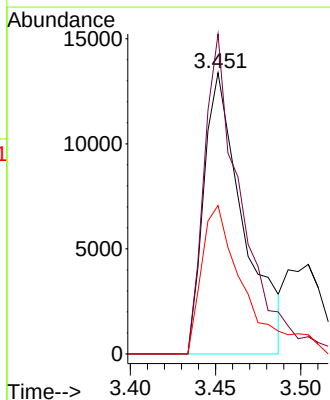
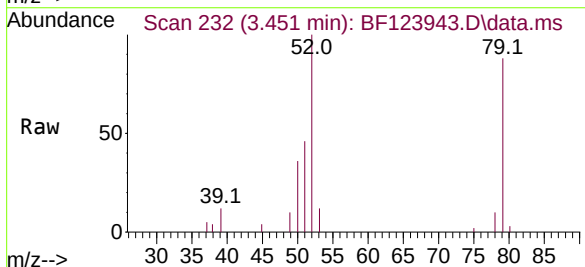
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

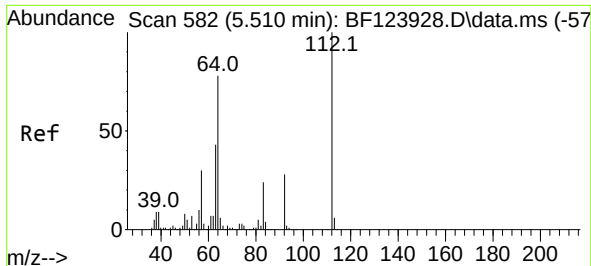
Tgt Ion:152 Resp: 39061  
Ion Ratio Lower Upper  
152 100  
150 158.1 127.0 190.6  
115 64.5 54.3 81.5



#3  
Pyridine  
Concen: 6.82 ng  
RT: 3.451 min Scan# 232  
Delta R.T. 0.012 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion: 79 Resp: 21510  
Ion Ratio Lower Upper  
79 100  
52 113.8 87.4 131.0  
51 52.8 41.4 62.0

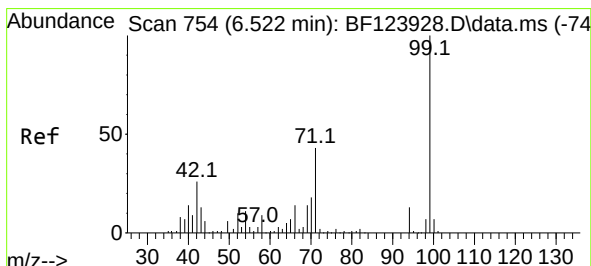
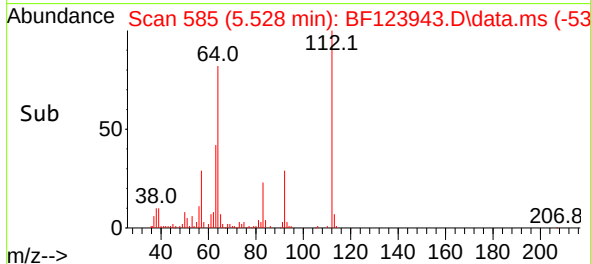
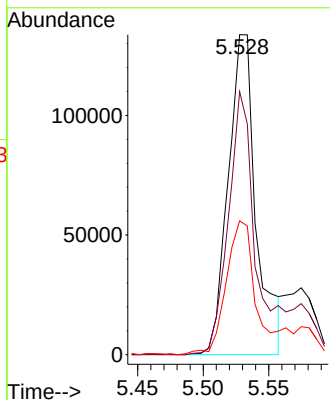
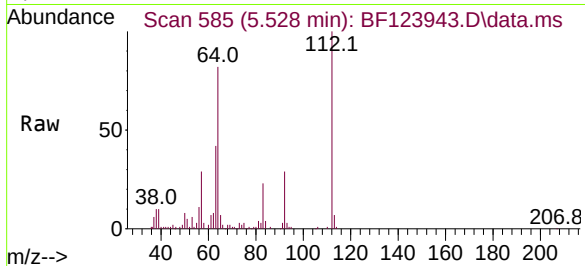




#5  
2-Fluorophenol  
Concen: 71.85 ng  
RT: 5.528 min Scan# 585  
Delta R.T. 0.018 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

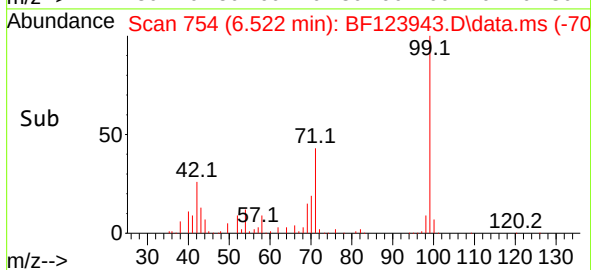
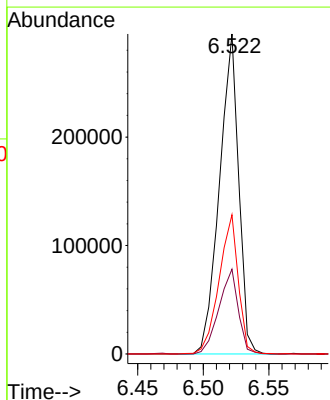
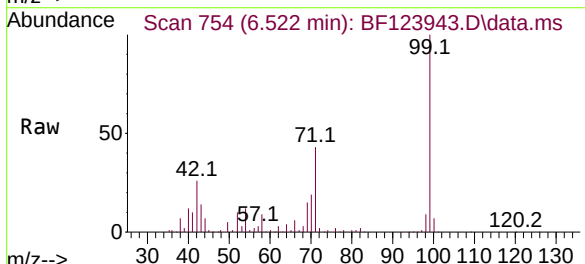
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

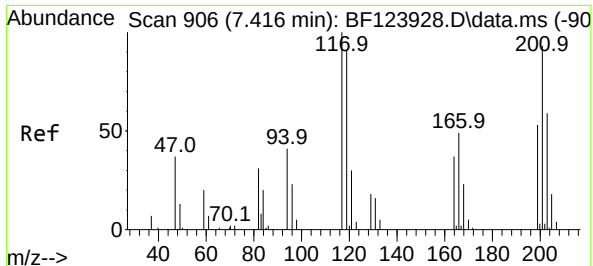
Tgt Ion:112 Resp: 199898  
Ion Ratio Lower Upper  
112 100  
64 82.2 61.4 92.0  
63 41.8 33.0 49.4



#7  
Phenol-d6  
Concen: 83.07 ng  
RT: 6.522 min Scan# 754  
Delta R.T. -0.000 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion: 99 Resp: 299783  
Ion Ratio Lower Upper  
99 100  
42 26.5 19.8 29.8  
71 43.5 31.1 46.7

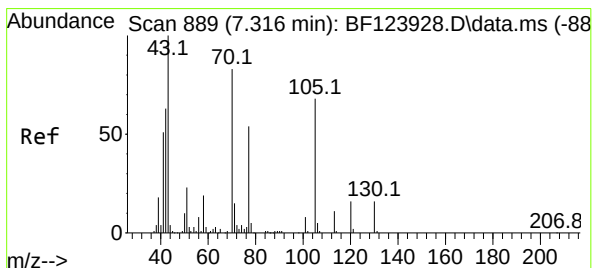
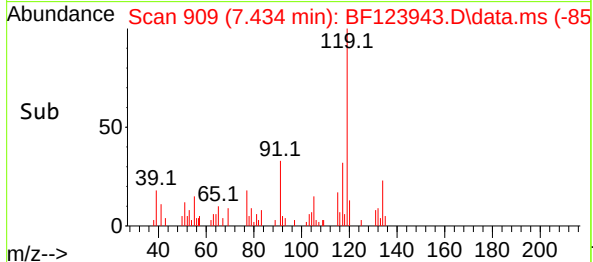
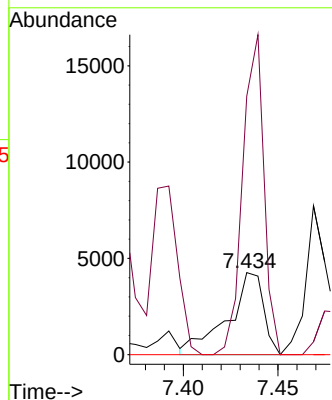
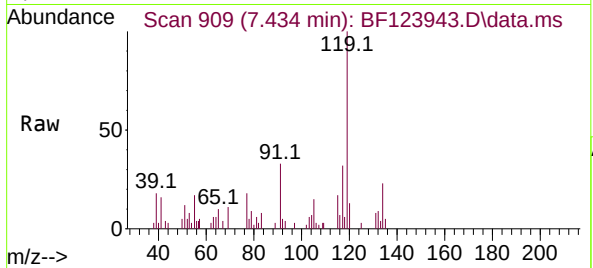




#18  
Hexachloroethane  
Concen: 4.38 ng  
RT: 7.434 min Scan# 909  
Delta R.T. 0.018 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

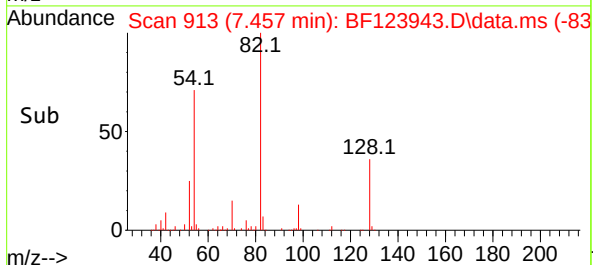
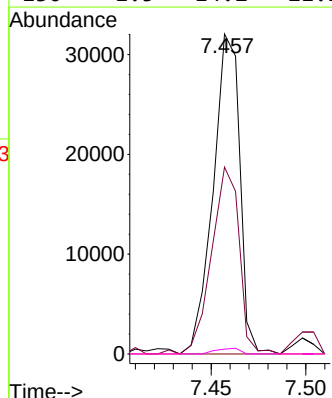
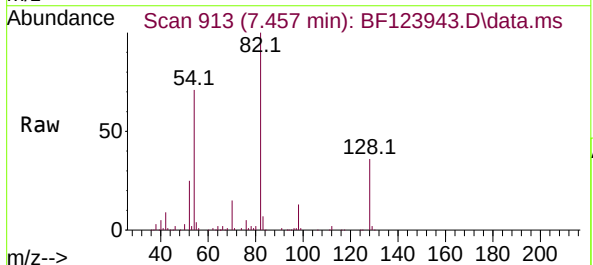
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

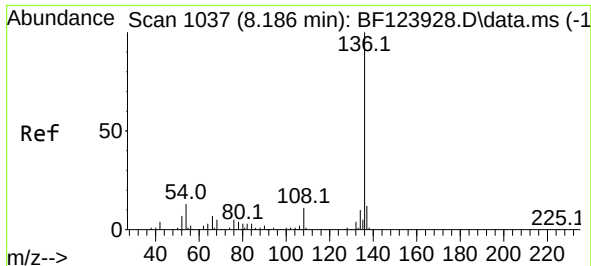
Tgt Ion:117 Resp: 5601  
Ion Ratio Lower Upper  
117 100  
119 315.0 77.8 116.8#  
201 0.0 67.8 101.8#



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.91 ng  
RT: 7.457 min Scan# 913  
Delta R.T. 0.141 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion: 70 Resp: 31484  
Ion Ratio Lower Upper  
70 100  
42 58.4 60.1 90.1#  
101 0.0 7.4 11.2#  
130 1.5 14.2 21.2#

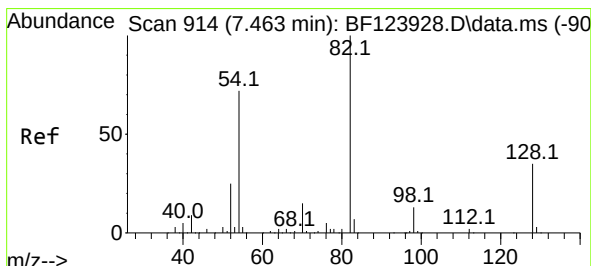
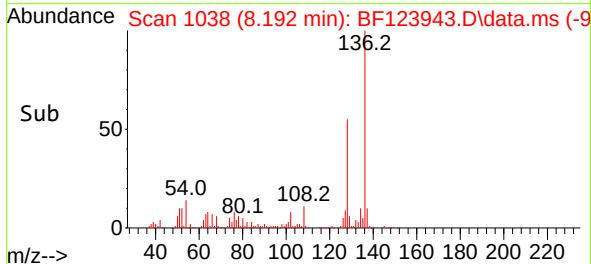
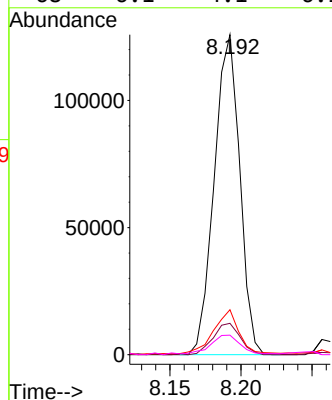
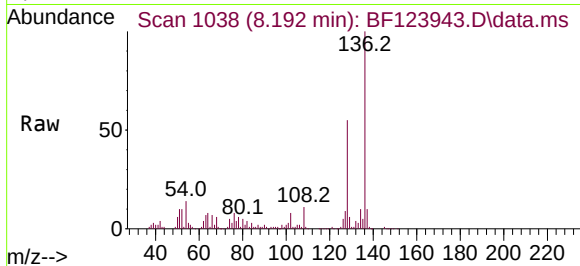




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.192 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

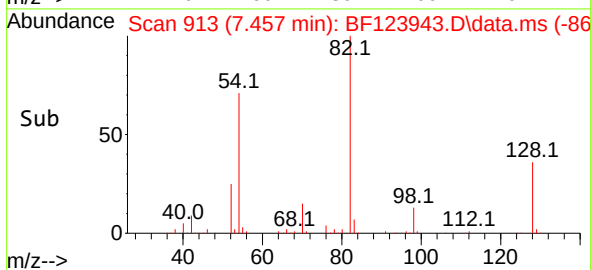
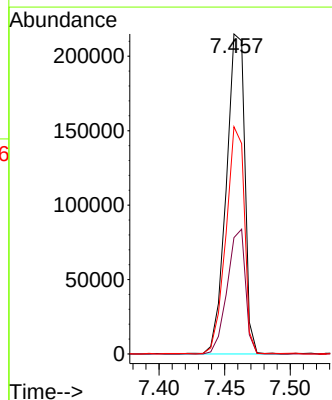
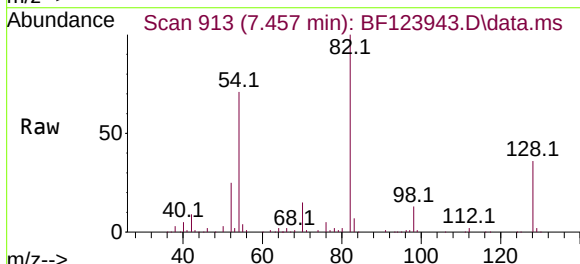
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

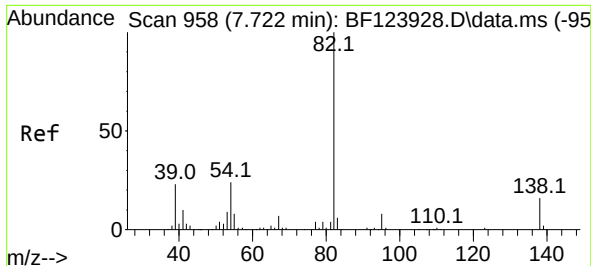
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|-------------|--------------|
| Tgt Ion:136 | Resp: 156943 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 9.8     | 8.7 13.1     |
| 54 14.0     | 9.8 14.6     |
| 68 6.1      | 4.1 6.1      |



#23  
Nitrobenzene-d5  
Concen: 58.02 ng  
RT: 7.457 min Scan# 913  
Delta R.T. -0.006 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 211333 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 36.4    | 29.4 44.2    |
| 54 71.0     | 54.1 81.1    |

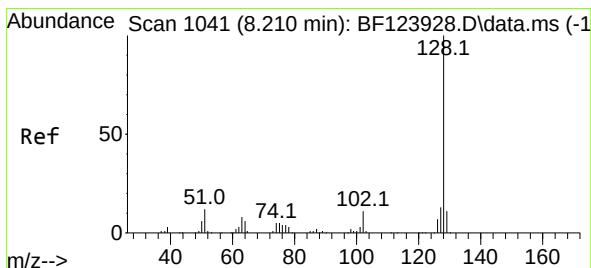
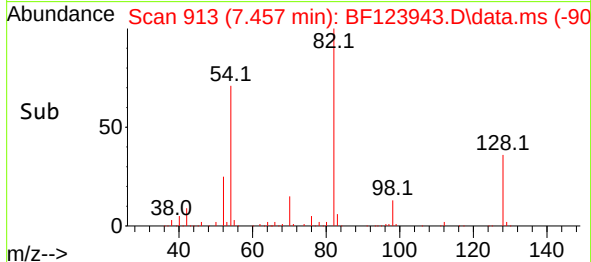
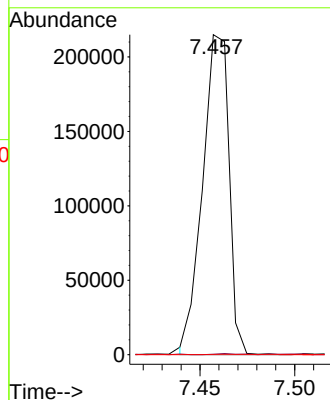
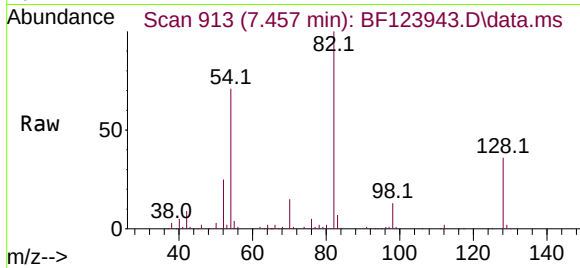




#25  
Isophorone  
Concen: 29.84 ng  
RT: 7.457 min Scan# 913  
Delta R.T. -0.265 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

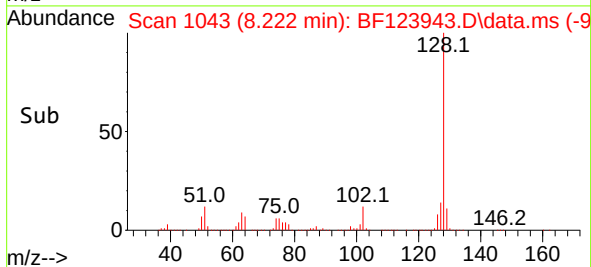
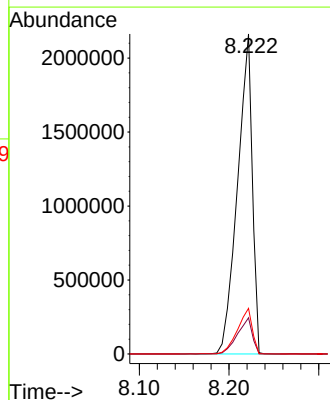
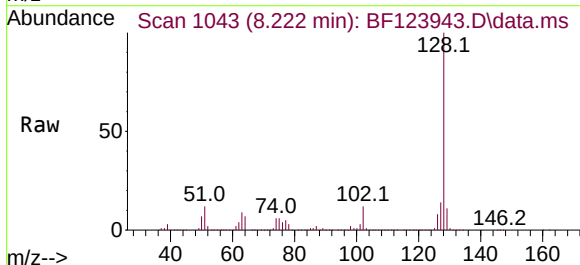
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

Tgt Ion: 82 Resp: 209065  
Ion Ratio Lower Upper  
82 100  
95 0.2 5.8 8.6#  
138 0.0 11.8 17.8#

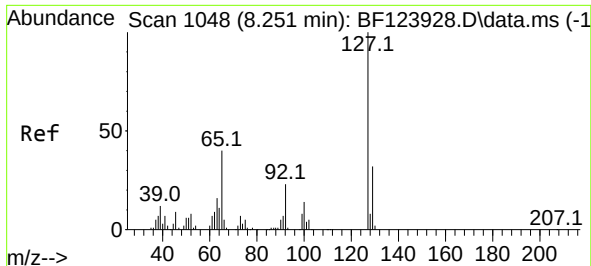


#31  
Naphthalene  
Concen: 265.63 ng  
RT: 8.222 min Scan# 1043  
Delta R.T. 0.012 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion: 128 Resp: 2467205  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.9 13.3  
127 14.2 10.8 16.2



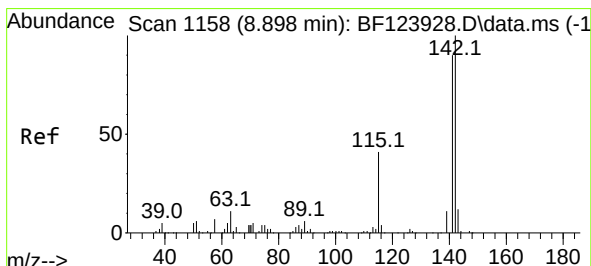
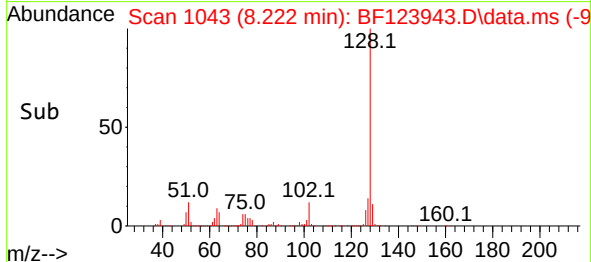
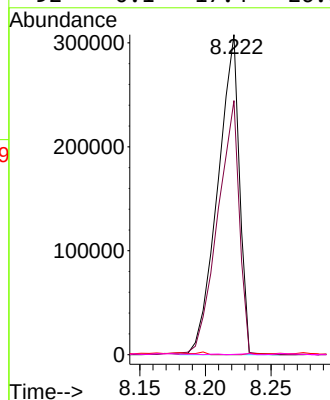
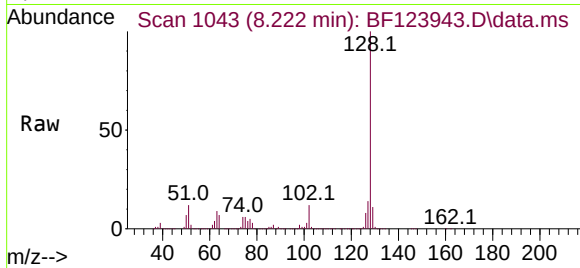




#33  
4-Chloroaniline  
Concen: 99.67 ng  
RT: 8.222 min Scan# 1043  
Delta R.T. -0.029 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

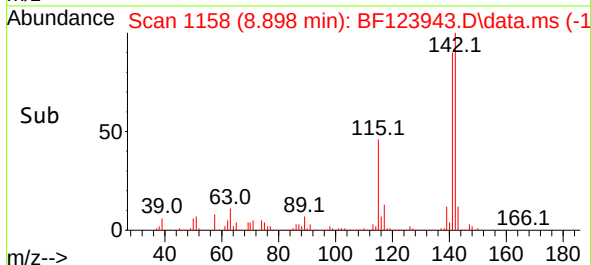
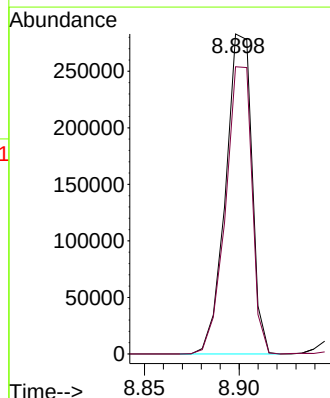
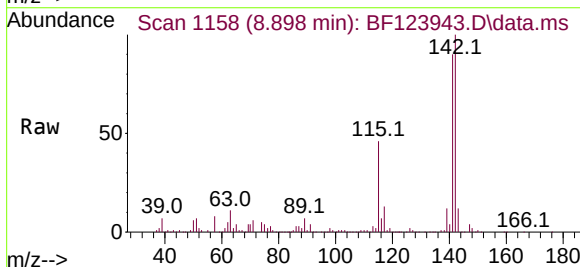
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

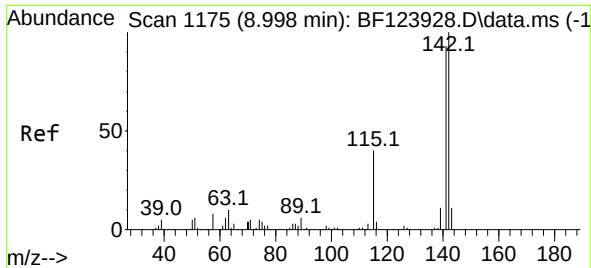
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|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 352428 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 79.4  | 25.7  | 38.5#  |
| 65       | 0.0   | 34.5  | 51.7#  |
| 92       | 0.1   | 17.4  | 26.0#  |



#37  
2-Methylnaphthalene  
Concen: 43.38 ng  
RT: 8.898 min Scan# 1158  
Delta R.T. -0.000 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 273098 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 141      | 89.8  | 71.8  | 107.6  |

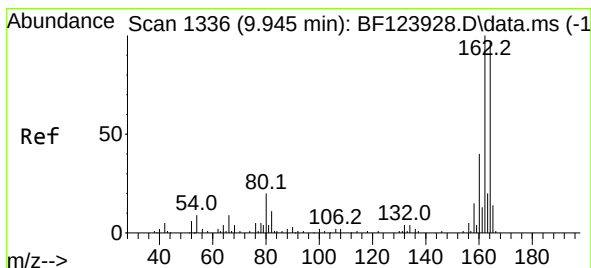
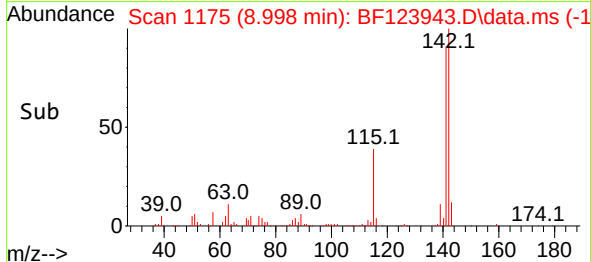
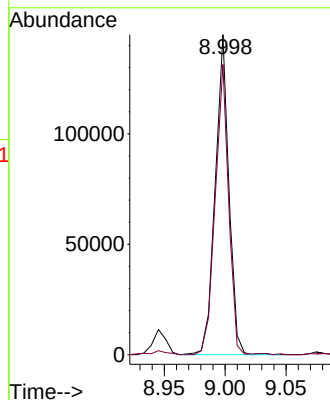
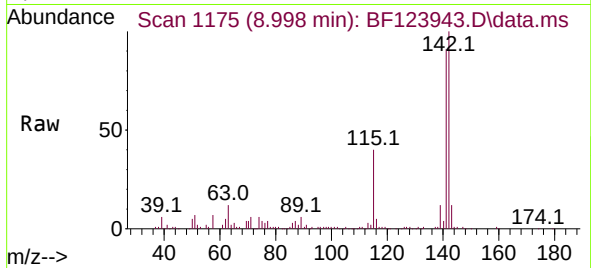




#38  
1-Methylnaphthalene  
Concen: 19.25 ng  
RT: 8.998 min Scan# 1175  
Delta R.T. -0.000 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

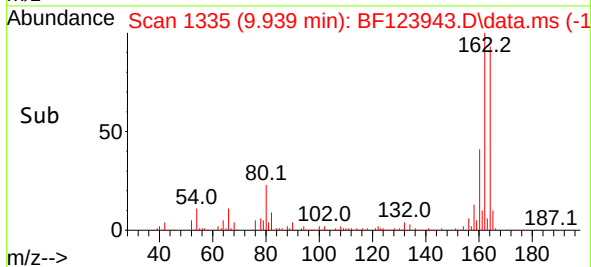
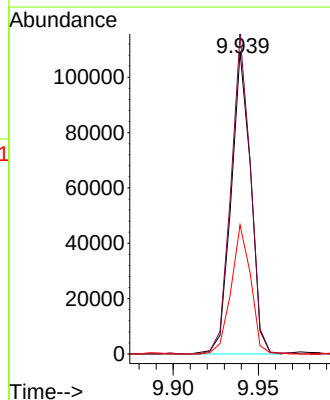
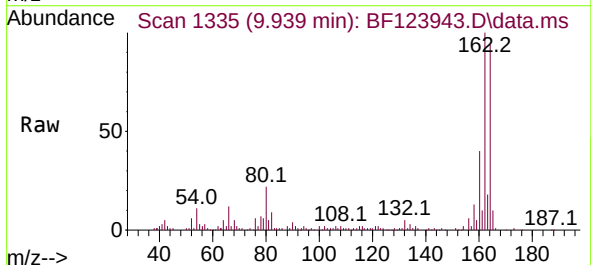
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

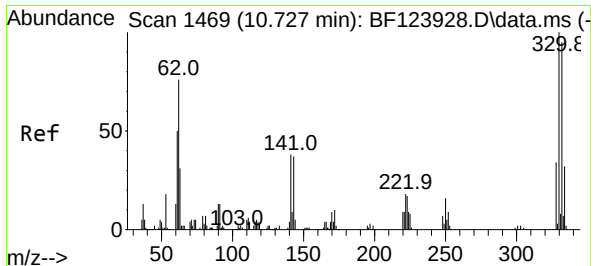
Tgt Ion:142 Resp: 113111  
Ion Ratio Lower Upper  
142 100  
141 90.7 72.8 109.2



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. -0.006 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion:164 Resp: 86866  
Ion Ratio Lower Upper  
164 100  
162 105.9 80.7 121.1  
160 42.7 37.3 55.9

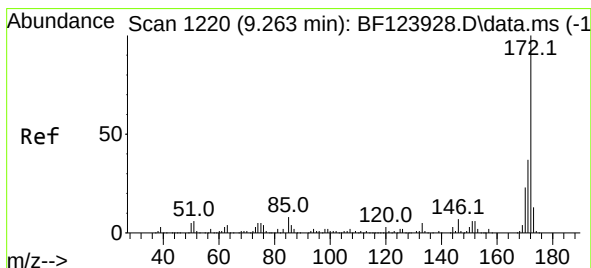
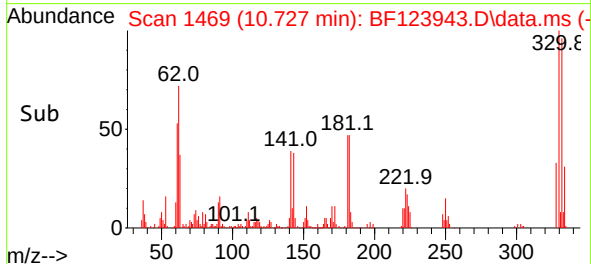
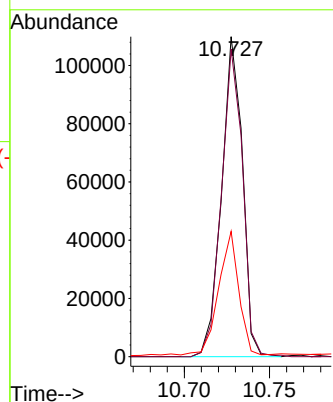
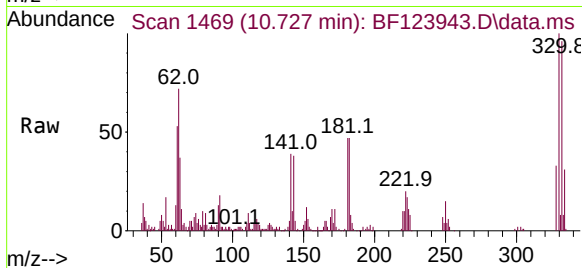




#42  
2,4,6-Tribromophenol  
Concen: 89.83 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. -0.000 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

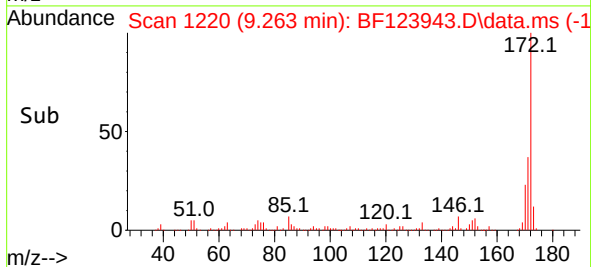
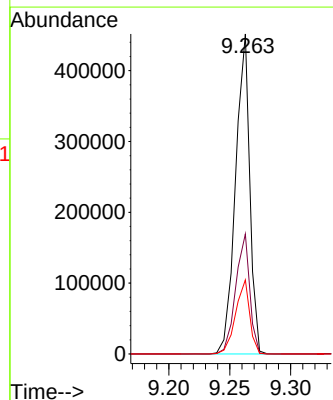
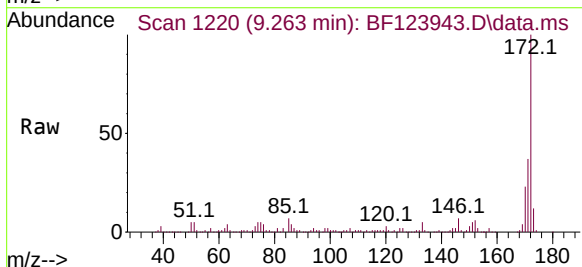
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

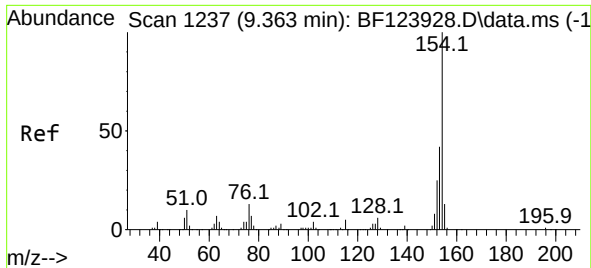
Tgt Ion:330 Resp: 93720  
Ion Ratio Lower Upper  
330 100  
332 97.7 77.1 115.7  
141 38.4 27.9 41.9



#45  
2-Fluorobiphenyl  
Concen: 51.92 ng  
RT: 9.263 min Scan# 1220  
Delta R.T. -0.000 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion:172 Resp: 366502  
Ion Ratio Lower Upper  
172 100  
171 37.5 28.1 42.1  
170 23.2 19.2 28.8





#46

1,1'-Biphenyl

Concen: 10.48 ng

RT: 9.363 min Scan# 1237

Delta R.T. -0.000 min

Lab File: BF123943.D

Acq: 15 May 2021 14:10

Tgt Ion:154 Resp: 80156

Ion Ratio Lower Upper

154 100

153 38.4 20.7 60.7

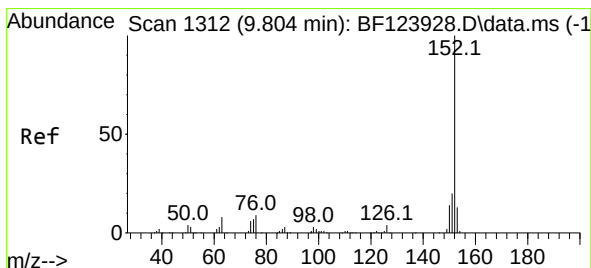
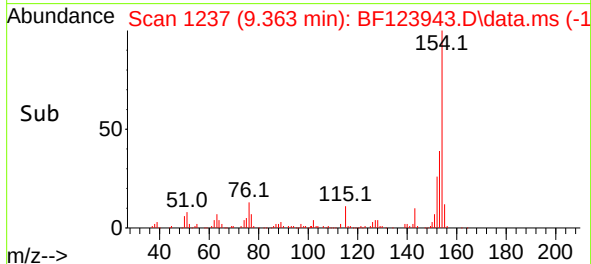
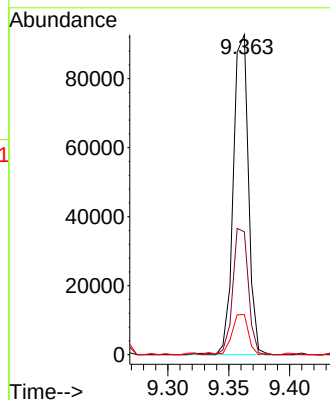
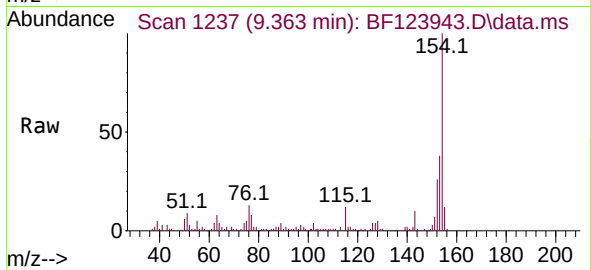
76 12.5 0.0 31.7

Instrument :

BNA\_F

ClientSampleId :

KSB-02(7.5-9.5)



#49

Acenaphthylene

Concen: 7.41 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF123943.D

Acq: 15 May 2021 14:10

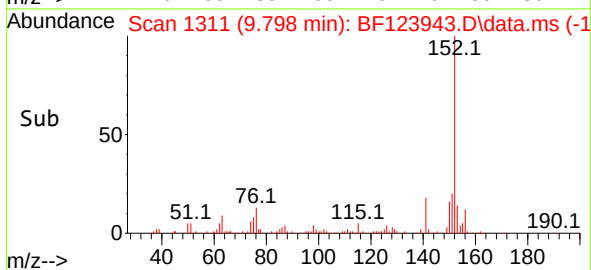
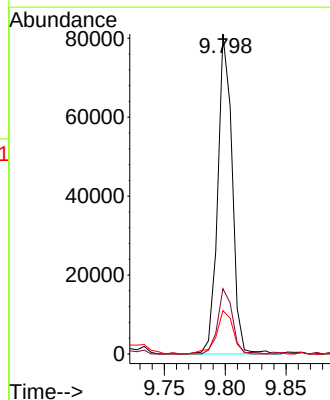
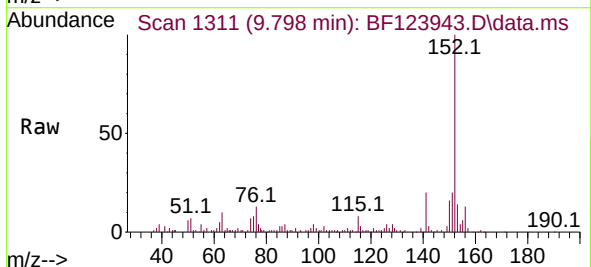
Tgt Ion:152 Resp: 66528

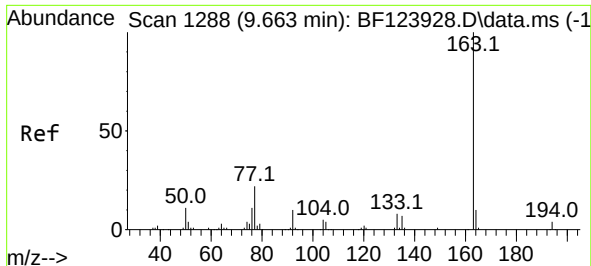
Ion Ratio Lower Upper

152 100

151 20.4 16.0 24.0

153 13.6 10.4 15.6

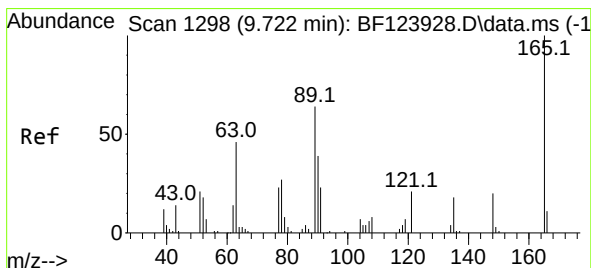
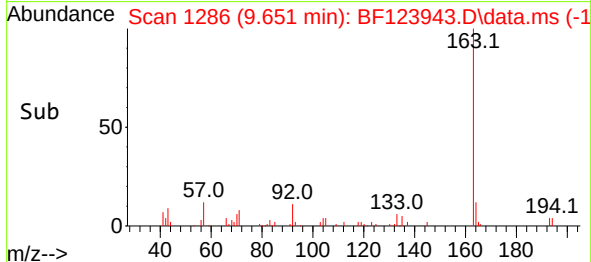
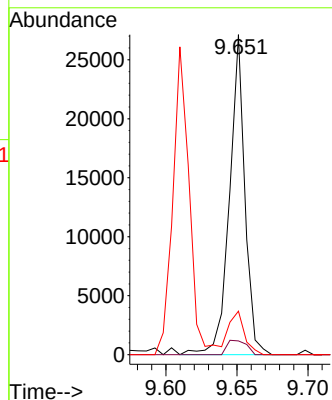
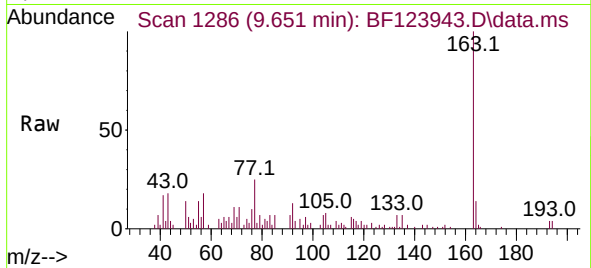




#50  
Dimethylphthalate  
Concen: 2.95 ng  
RT: 9.651 min Scan# 1286  
Delta R.T. -0.012 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

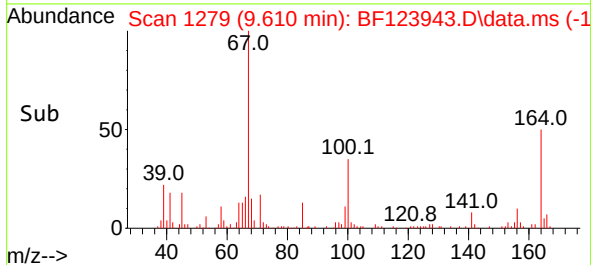
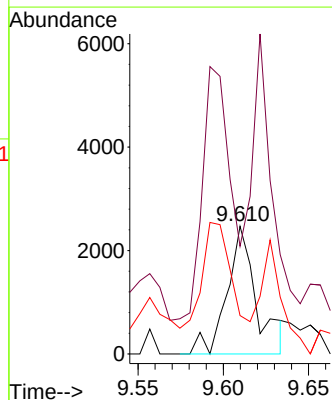
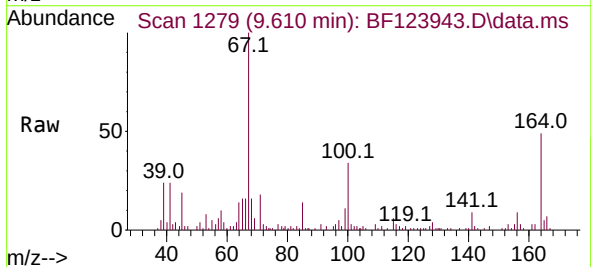
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

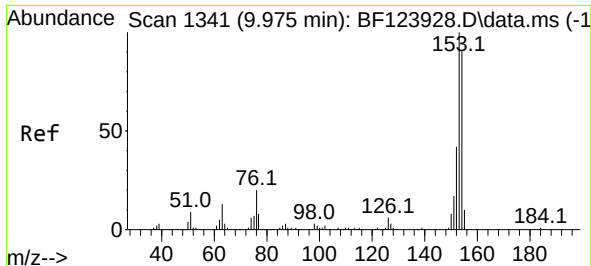
Tgt Ion:163 Resp: 20464  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.1 4.7  
164 13.6 8.2 12.2#



#51  
2,6-Dinitrotoluene  
Concen: 2.12 ng  
RT: 9.610 min Scan# 1279  
Delta R.T. -0.112 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion:165 Resp: 2974  
Ion Ratio Lower Upper  
165 100  
63 84.3 67.7 101.5  
89 30.1 58.8 88.2#

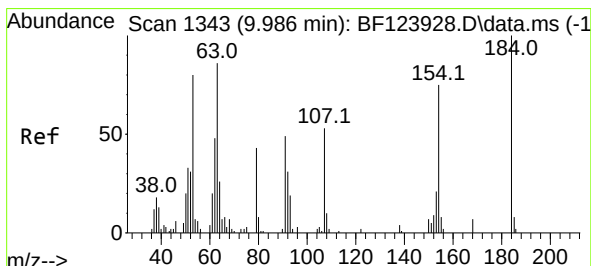
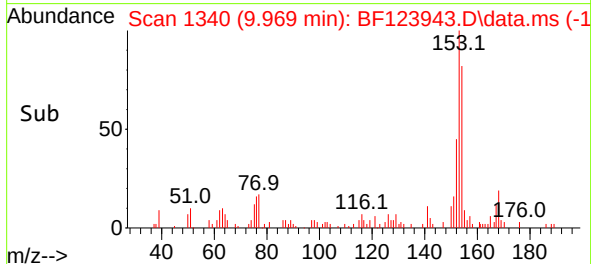
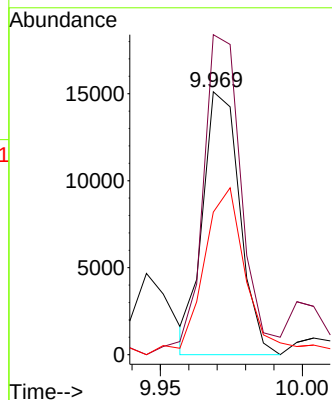
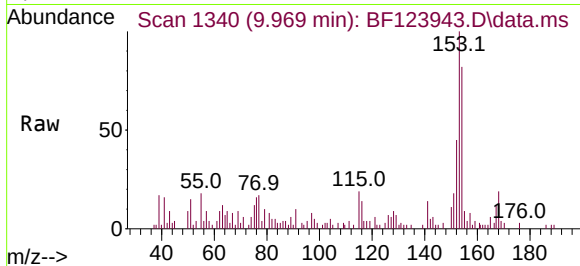




#52  
Acenaphthene  
Concen: 2.22 ng  
RT: 9.969 min Scan# 1340  
Delta R.T. -0.006 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

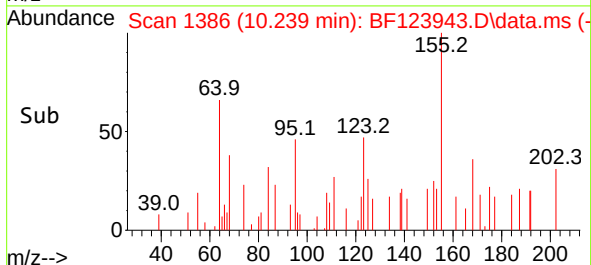
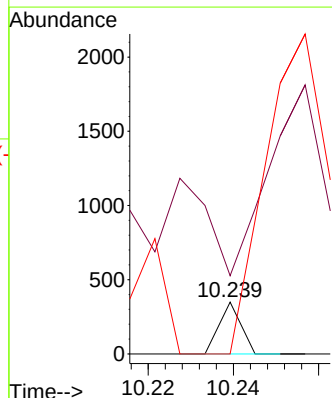
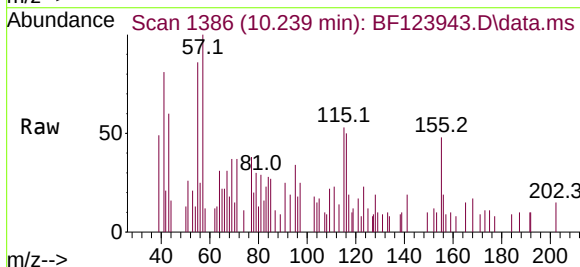
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

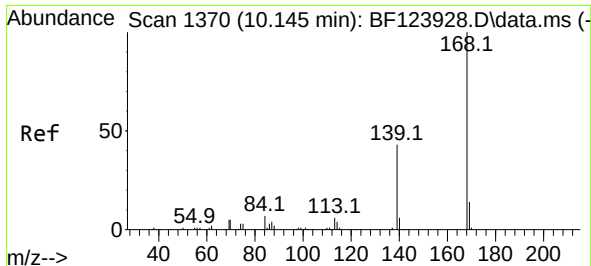
Tgt Ion:154 Resp: 13665  
Ion Ratio Lower Upper  
154 100  
153 121.8 88.1 132.1  
152 54.2 43.4 65.0



#54  
2,4-Dinitrophenol  
Concen: 7.43 ng  
RT: 10.239 min Scan# 1386  
Delta R.T. 0.253 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion:184 Resp: 123  
Ion Ratio Lower Upper  
184 100  
63 151.0 73.5 110.3#  
154 0.0 52.5 78.7#

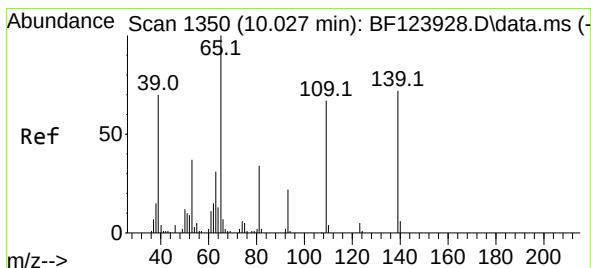
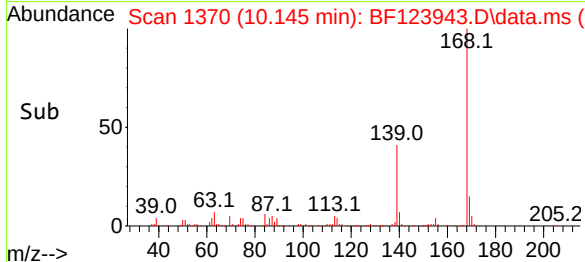
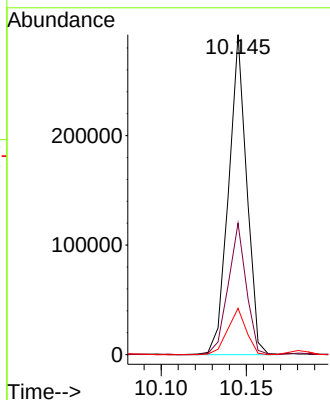
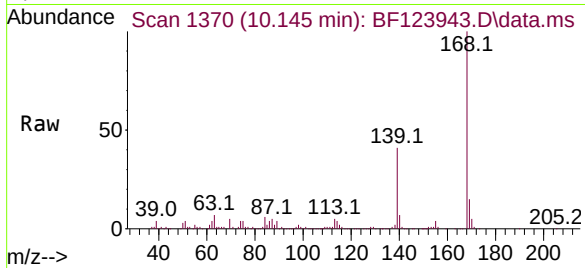




#55  
Dibenzenofuran  
Concen: 24.41 ng  
RT: 10.145 min Scan# 1370  
Delta R.T. -0.000 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

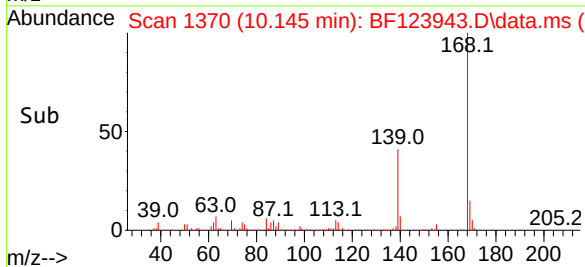
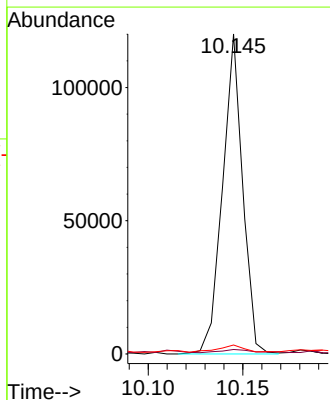
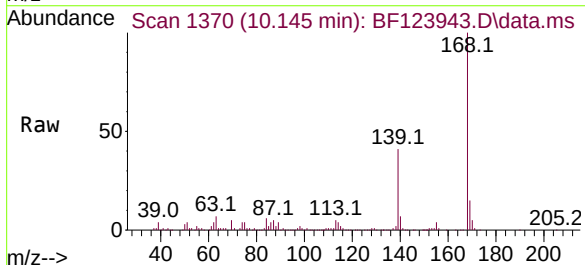
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

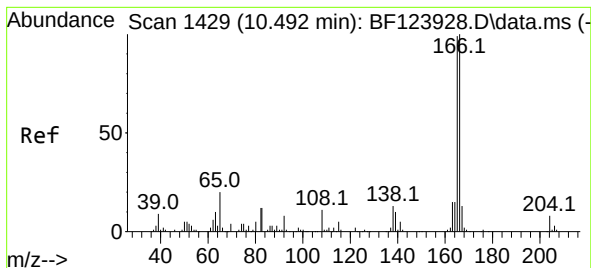
Tgt Ion:168 Resp: 215492  
Ion Ratio Lower Upper  
168 100  
139 41.1 33.2 49.8  
169 14.5 10.8 16.2



#56  
4-Nitrophenol  
Concen: 76.97 ng  
RT: 10.145 min Scan# 1370  
Delta R.T. 0.118 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion:139 Resp: 88752  
Ion Ratio Lower Upper  
139 100  
109 1.4 63.2 103.2#  
65 2.8 110.0 150.0#





#58

Fluorene

Concen: 46.66 ng

RT: 10.492 min Scan# 1429

Delta R.T. -0.000 min

Lab File: BF123943.D

Acq: 15 May 2021 14:10

Tgt Ion:166 Resp: 310355

Ion Ratio Lower Upper

166 100

165 99.2 73.5 110.3

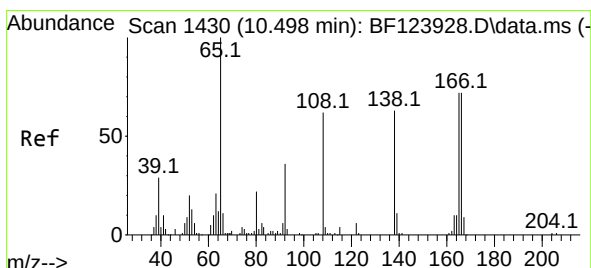
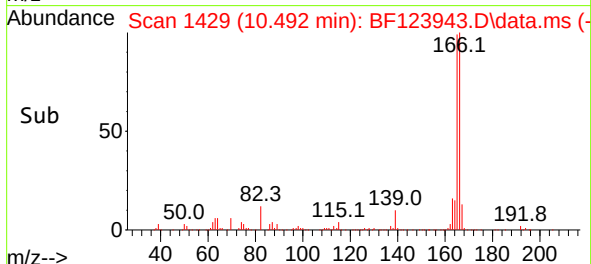
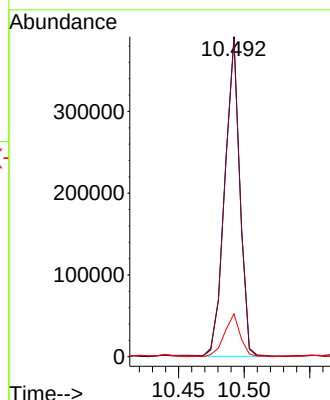
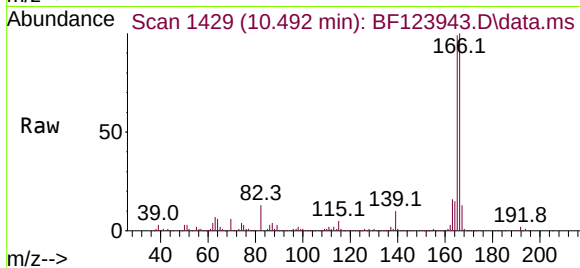
167 13.4 10.7 16.1

Instrument :

BNA\_F

ClientSampleId :

KSB-02(7.5-9.5)



#62

4-Nitroaniline

Concen: 3.02 ng

RT: 10.492 min Scan# 1429

Delta R.T. -0.006 min

Lab File: BF123943.D

Acq: 15 May 2021 14:10

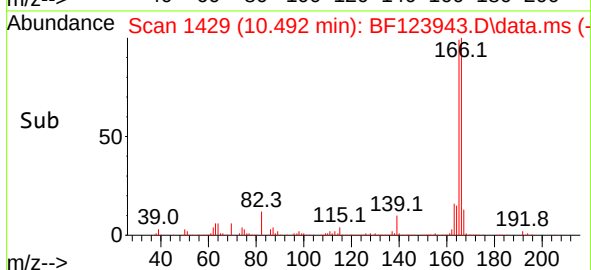
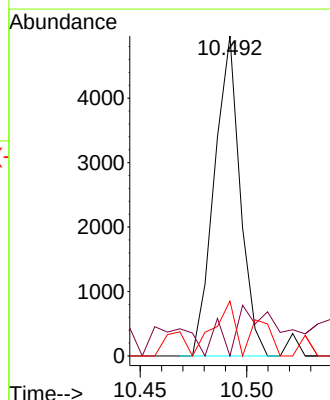
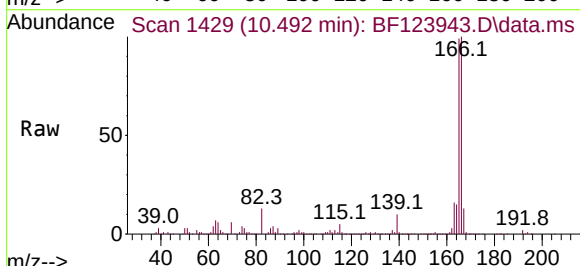
Tgt Ion:138 Resp: 4193

Ion Ratio Lower Upper

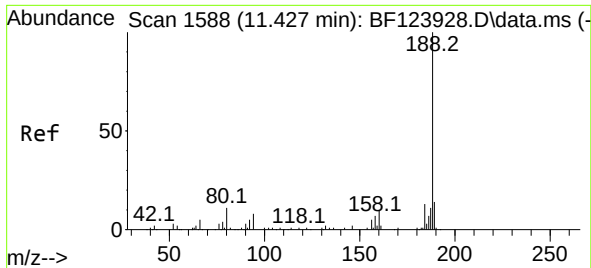
138 100

92 0.0 35.8 75.8#

108 17.1 63.6 103.6#



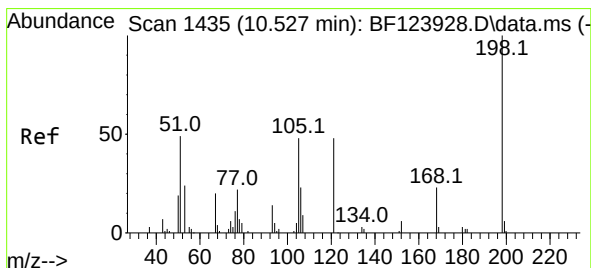
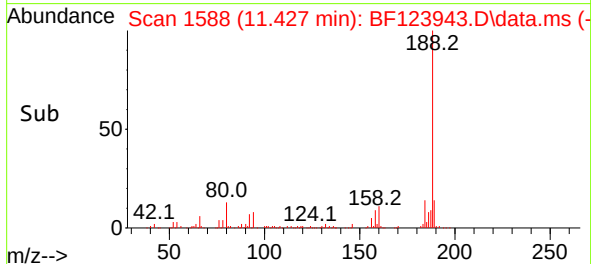
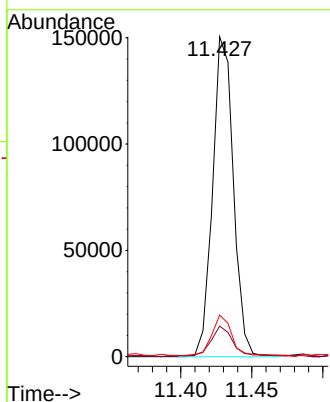
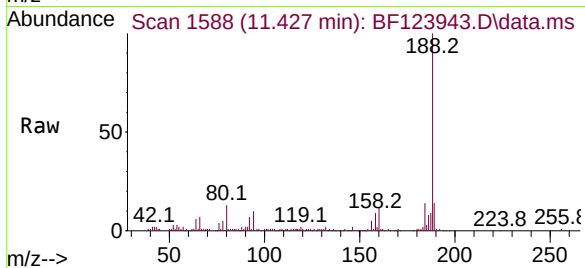




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.427 min Scan# 1588  
Delta R.T. 0.000 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

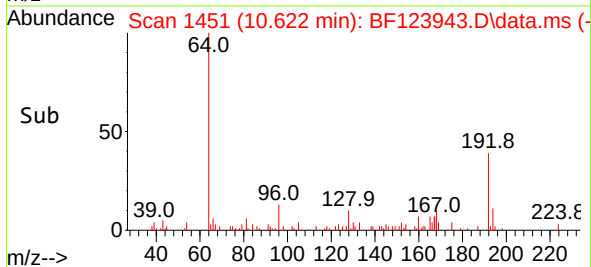
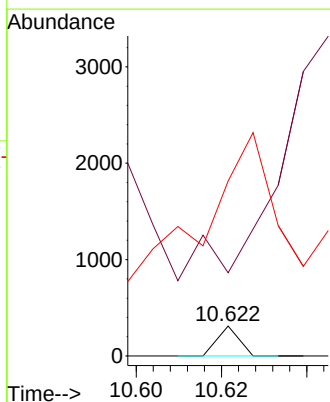
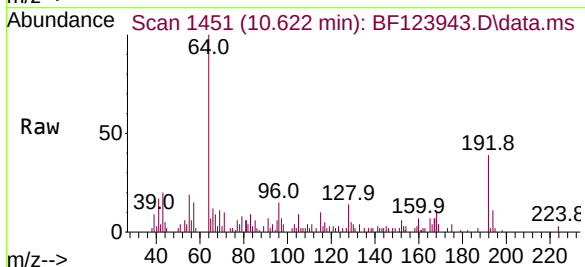
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

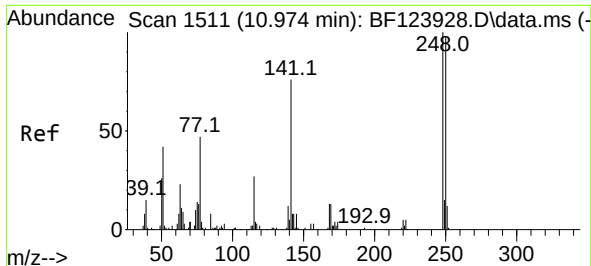
Tgt Ion:188 Resp: 152950  
Ion Ratio Lower Upper  
188 100  
94 9.6 6.9 10.3  
80 13.0 8.2 12.2#



#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.54 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. 0.095 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion:198 Resp: 109  
Ion Ratio Lower Upper  
198 100  
51 278.7 64.8 104.8#  
105 585.2 42.6 82.6#

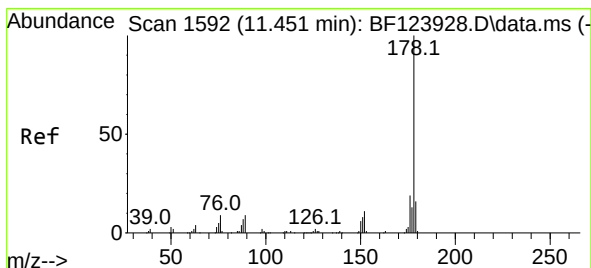
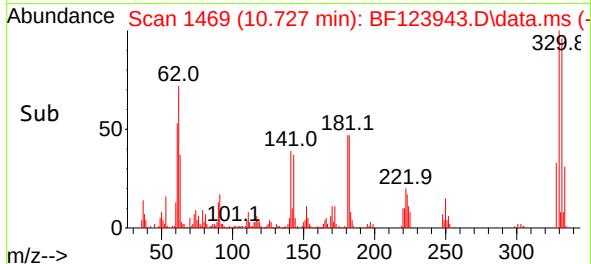
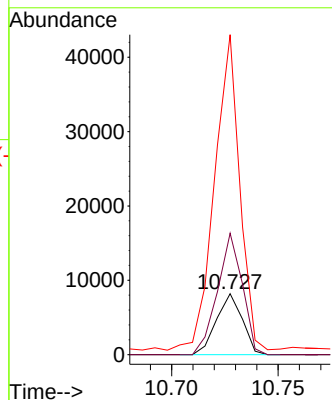
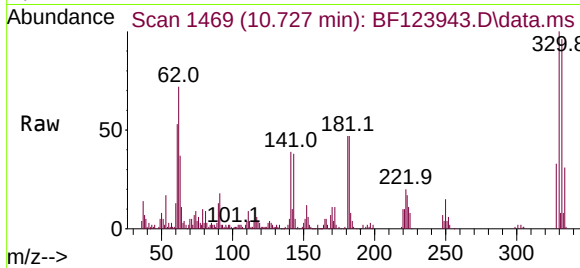




#67  
4-Bromophenyl-phenylether  
Concen: 3.44 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. -0.247 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

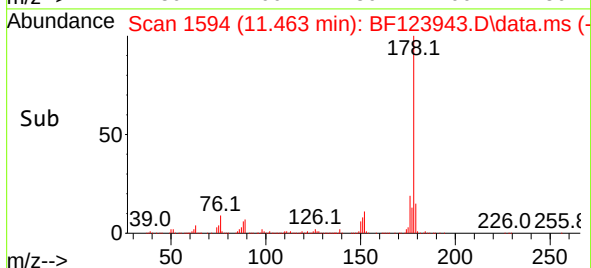
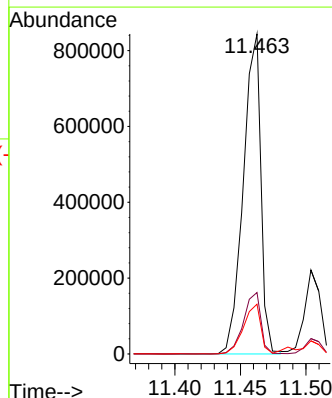
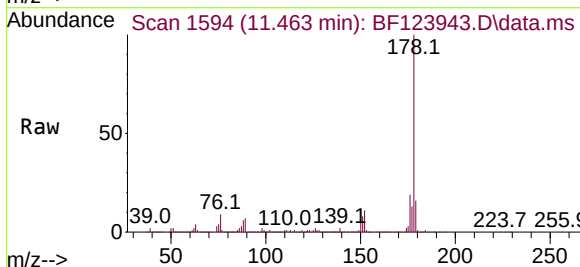
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

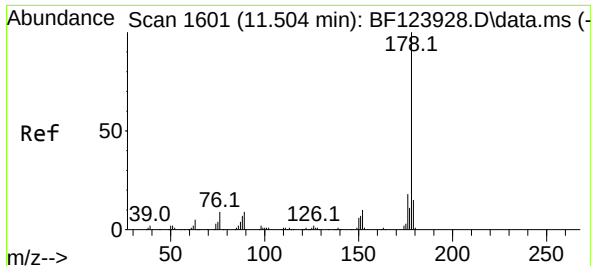
Tgt Ion:248 Resp: 6921  
Ion Ratio Lower Upper  
248 100  
250 198.9 77.4 116.2#  
141 524.3 63.7 95.5#



#71  
Phenanthrene  
Concen: 81.44 ng  
RT: 11.463 min Scan# 1594  
Delta R.T. 0.012 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion:178 Resp: 789453  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.6 23.4  
179 15.6 12.5 18.7

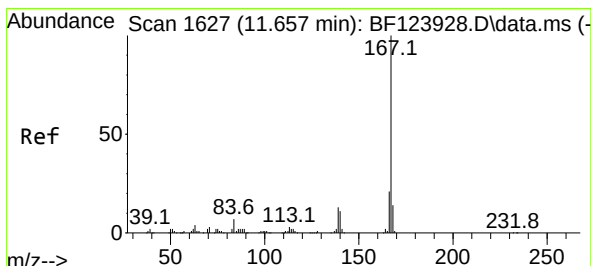
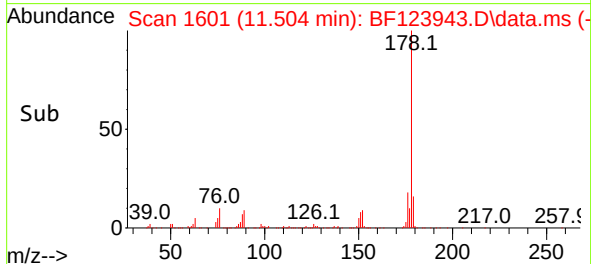
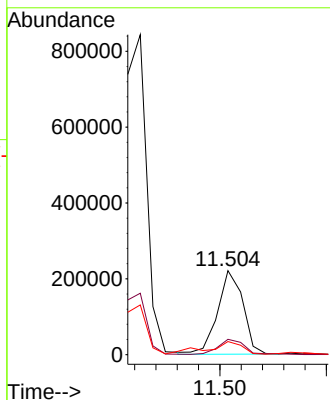
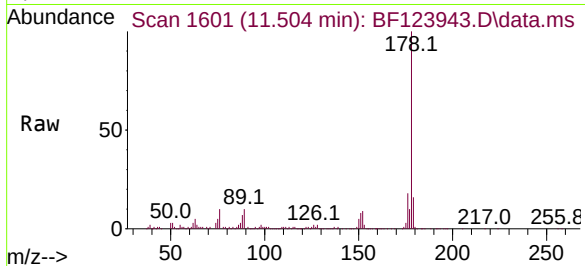




#72  
 Anthracene  
 Concen: 18.62 ng  
 RT: 11.504 min Scan# 1601  
 Delta R.T. -0.000 min  
 Lab File: BF123943.D  
 Acq: 15 May 2021 14:10

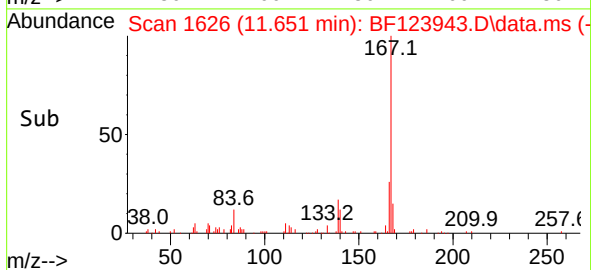
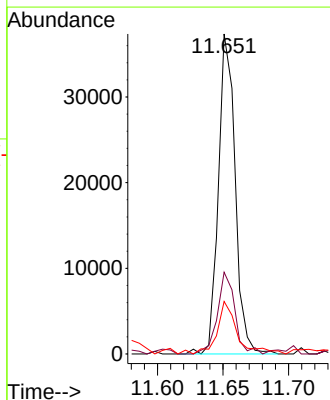
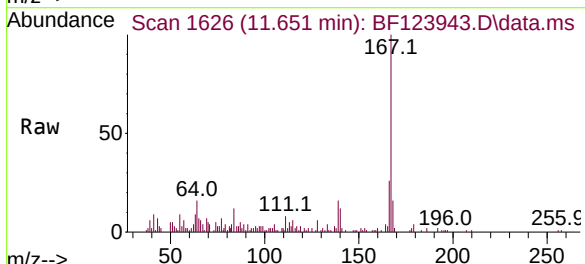
Instrument :  
 BNA\_F  
 ClientSampleId :  
 KSB-02(7.5-9.5)

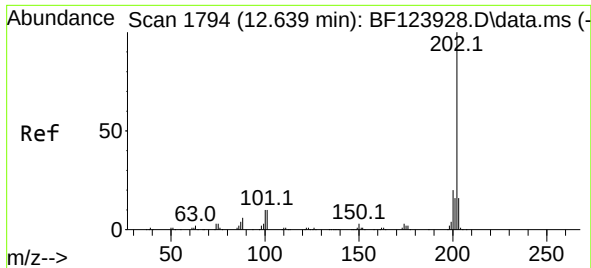
Tgt Ion:178 Resp: 182880  
 Ion Ratio Lower Upper  
 178 100  
 176 18.2 15.4 23.0  
 179 15.7 12.6 18.8



#73  
 Carbazole  
 Concen: 3.86 ng  
 RT: 11.651 min Scan# 1626  
 Delta R.T. -0.006 min  
 Lab File: BF123943.D  
 Acq: 15 May 2021 14:10

Tgt Ion:167 Resp: 33163  
 Ion Ratio Lower Upper  
 167 100  
 166 25.6 17.0 25.6  
 139 16.4 10.4 15.6#

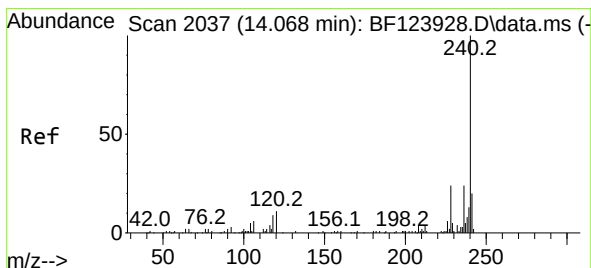
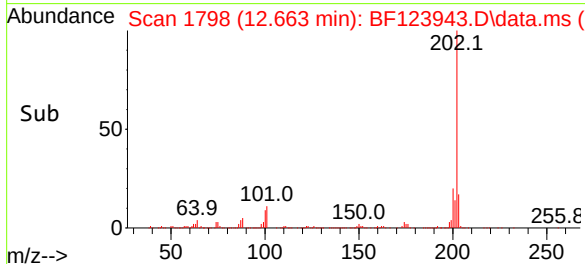
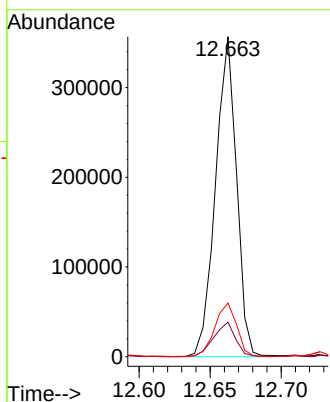
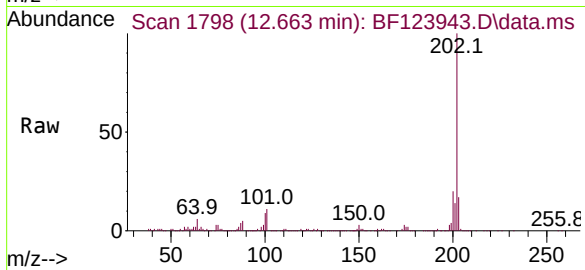




#75  
Fluoranthene  
Concen: 36.59 ng  
RT: 12.663 min Scan# 1798  
Delta R.T. 0.024 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

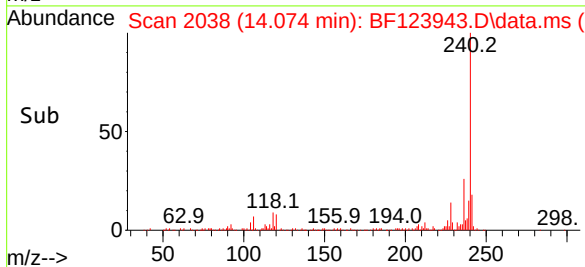
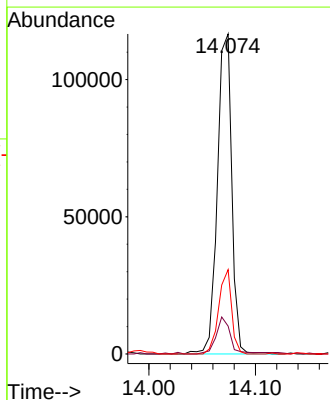
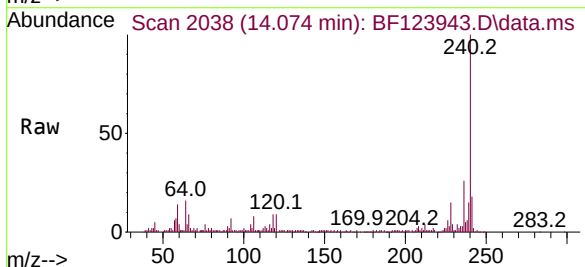
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

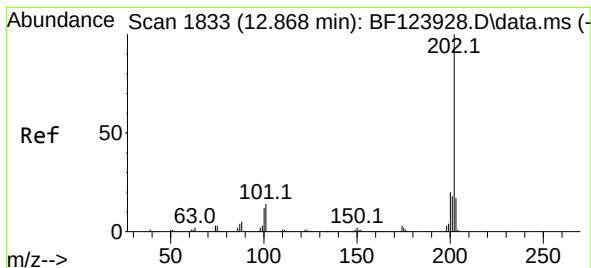
Tgt Ion:202 Resp: 367285  
Ion Ratio Lower Upper  
202 100  
101 10.8 0.0 30.9  
203 16.8 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.074 min Scan# 2038  
Delta R.T. 0.006 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion:240 Resp: 109137  
Ion Ratio Lower Upper  
240 100  
120 8.7 7.2 10.8  
236 26.4 19.0 28.4





#78

Pyrene

Concen: 31.45 ng

RT: 12.886 min Scan# 1836

Delta R.T. 0.018 min

Lab File: BF123943.D

Acq: 15 May 2021 14:10

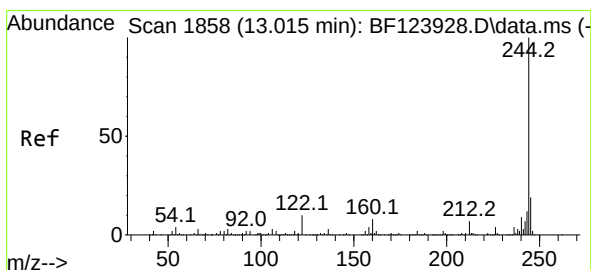
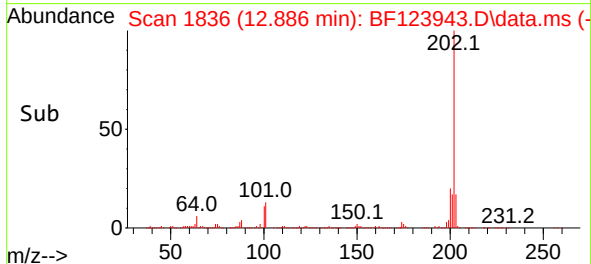
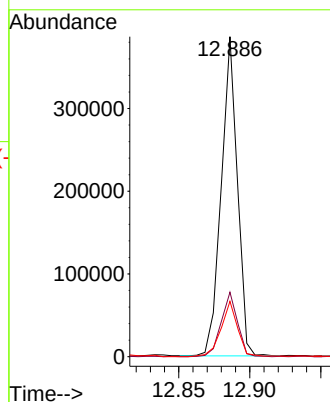
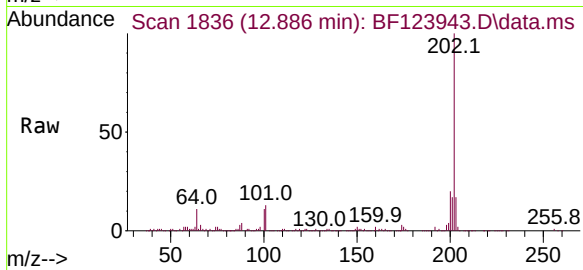
Tgt Ion:202 Resp: 304694

Ion Ratio Lower Upper

202 100

200 20.1 16.1 24.1

203 17.3 14.8 22.2



#79

Terphenyl-d14

Concen: 46.70 ng

RT: 13.021 min Scan# 1859

Delta R.T. 0.006 min

Lab File: BF123943.D

Acq: 15 May 2021 14:10

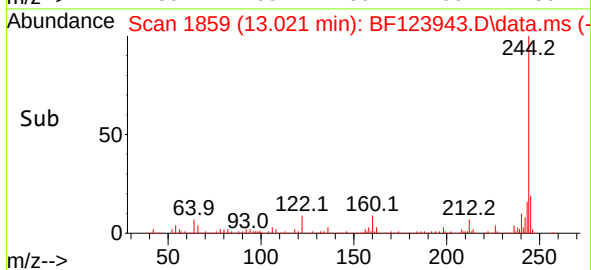
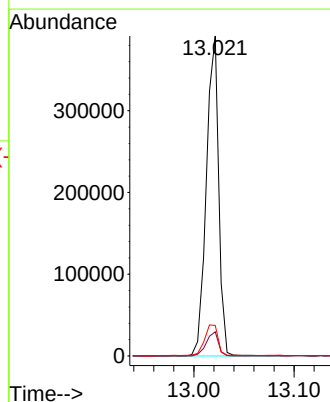
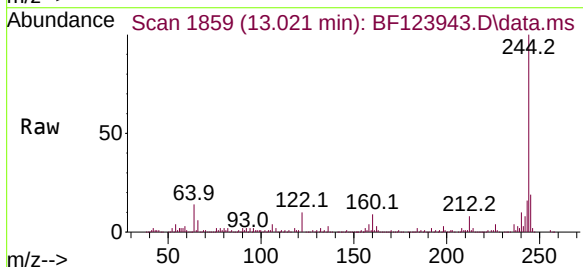
Tgt Ion:244 Resp: 336524

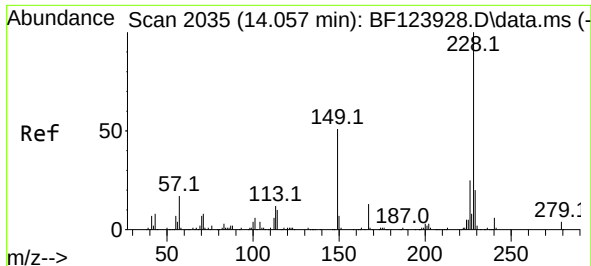
Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

122 9.5 9.7 14.5#

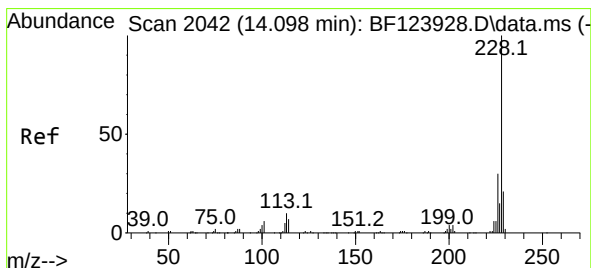
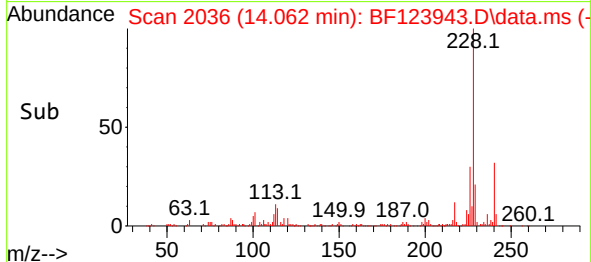
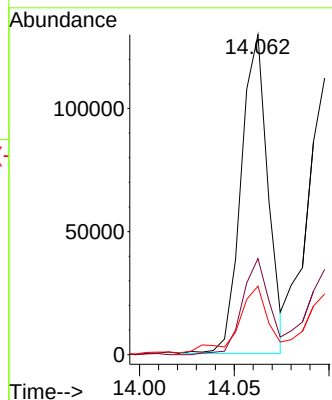
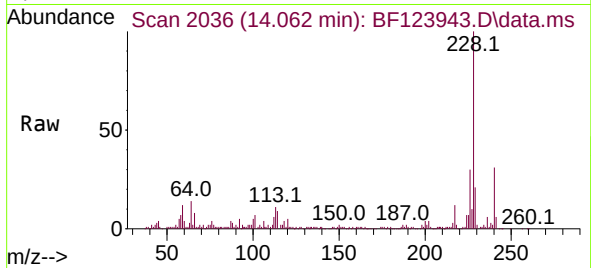




#81  
Benzo(a)anthracene  
Concen: 16.20 ng  
RT: 14.062 min Scan# 2036  
Delta R.T. 0.006 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

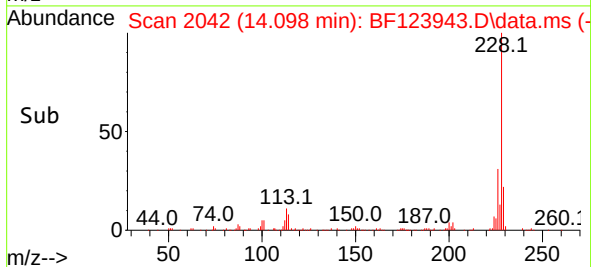
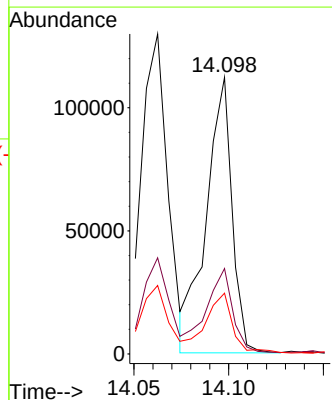
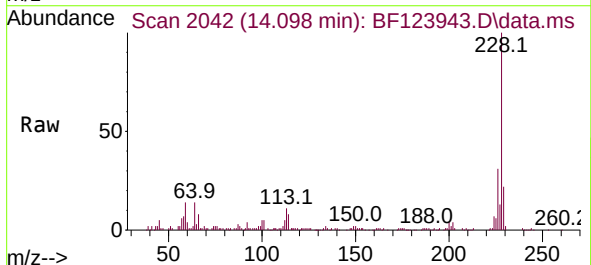
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

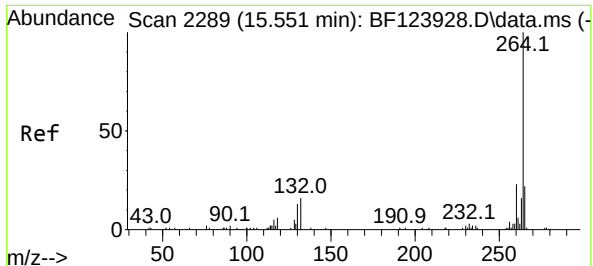
Tgt Ion:228 Resp: 127845  
Ion Ratio Lower Upper  
228 100  
226 30.0 22.4 33.6  
229 21.4 16.0 24.0



#83  
Chrysene  
Concen: 13.95 ng  
RT: 14.098 min Scan# 2042  
Delta R.T. -0.000 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion:228 Resp: 105918  
Ion Ratio Lower Upper  
228 100  
226 30.9 24.3 36.5  
229 22.0 16.2 24.2



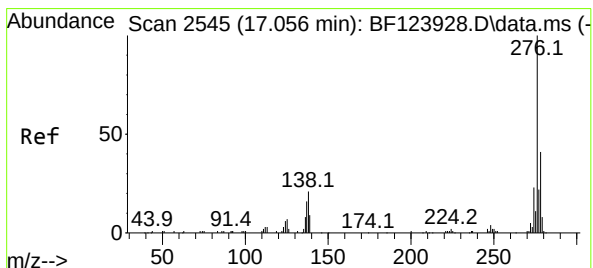
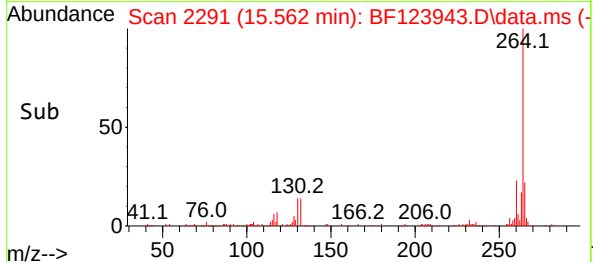
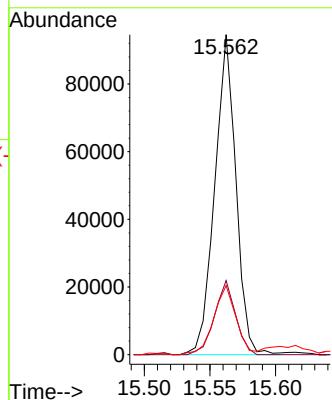
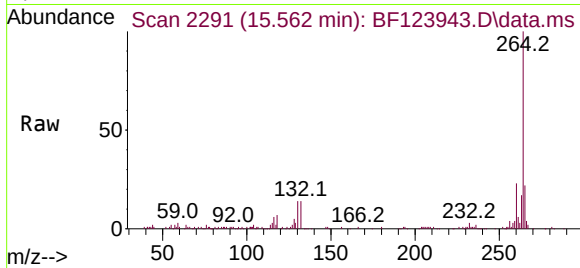


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.562 min Scan# 2291  
Delta R.T. 0.012 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

Tgt Ion:264 Resp: 105922

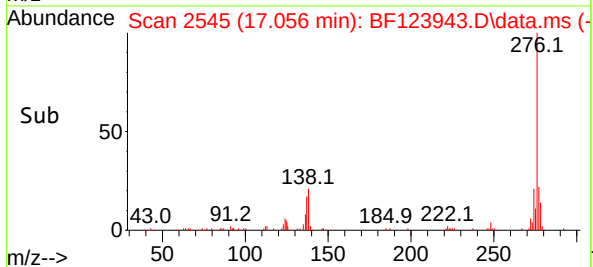
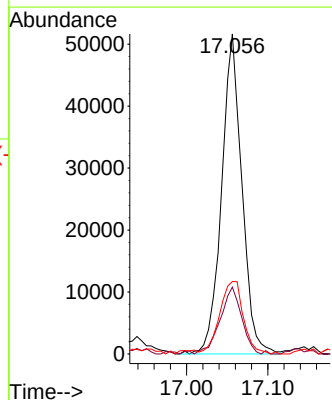
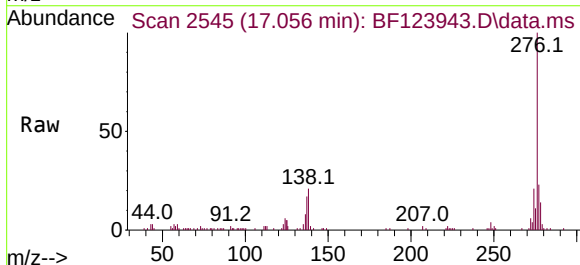
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.2  | 18.7  | 28.1  |
| 265 | 21.6  | 17.8  | 26.8  |

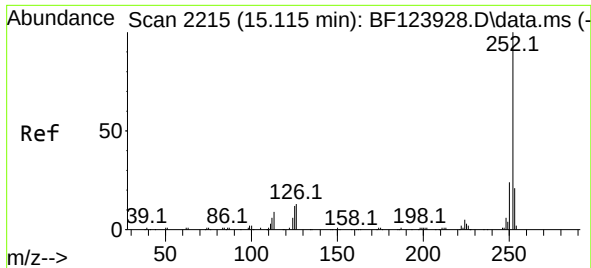


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 11.01 ng  
RT: 17.056 min Scan# 2545  
Delta R.T. -0.000 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion:276 Resp: 90101

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 21.9  | 16.2  | 24.2  |
| 277 | 26.4  | 20.1  | 30.1  |

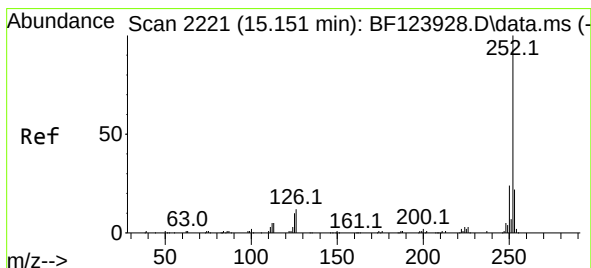
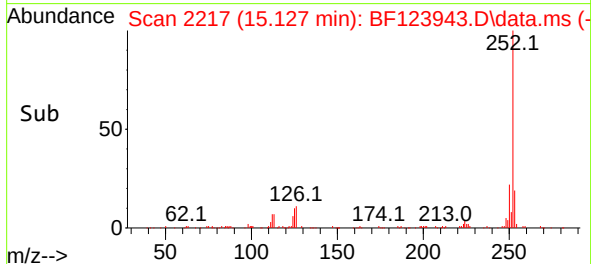
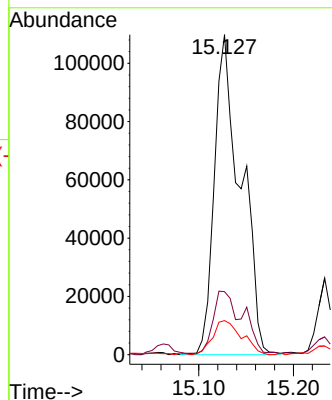
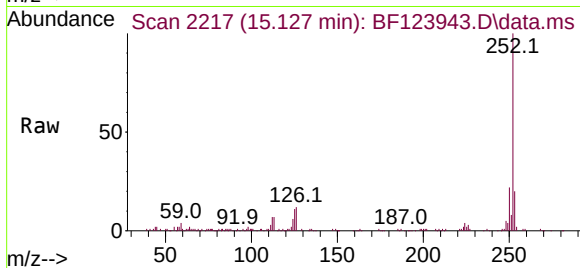




#88  
Benzo(b)fluoranthene  
Concen: 25.90 ng  
RT: 15.127 min Scan# 2217  
Delta R.T. 0.012 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

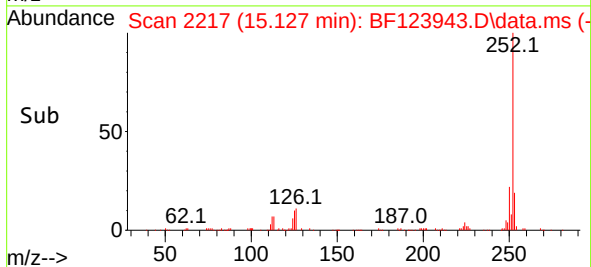
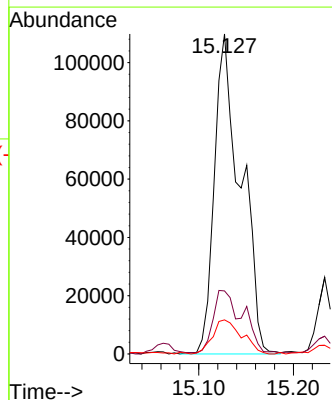
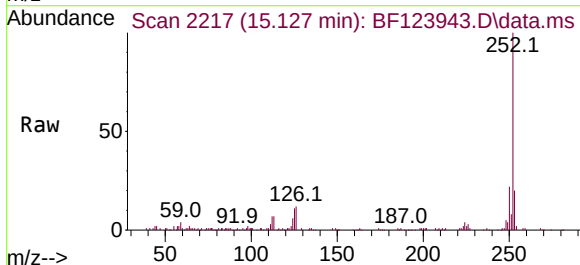
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

Tgt Ion:252 Resp: 212241  
Ion Ratio Lower Upper  
252 100  
253 19.7 18.1 27.1  
125 10.7 6.2 9.4#

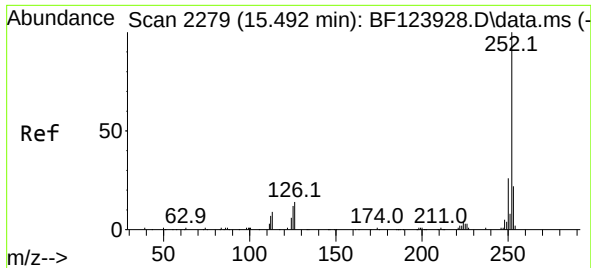


#89  
Benzo(k)fluoranthene  
Concen: 28.42 ng  
RT: 15.127 min Scan# 2217  
Delta R.T. -0.024 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion:252 Resp: 212241  
Ion Ratio Lower Upper  
252 100  
253 19.7 17.9 26.9  
125 10.7 7.0 10.6#



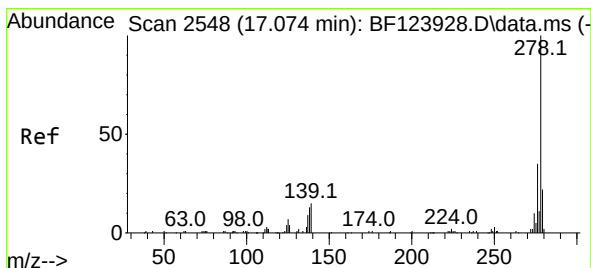
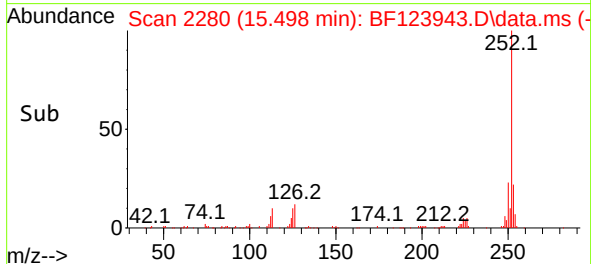
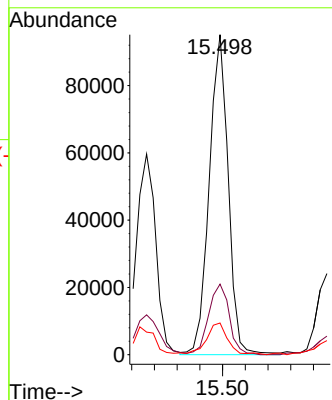
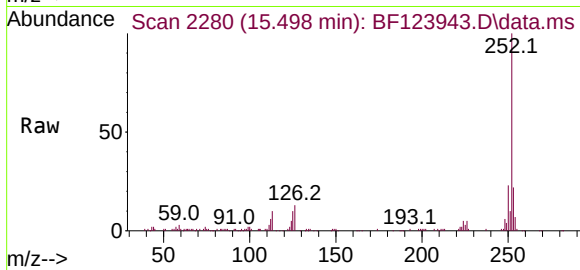




#90  
Benzo(a)pyrene  
Concen: 15.59 ng  
RT: 15.498 min Scan# 2280  
Delta R.T. 0.006 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

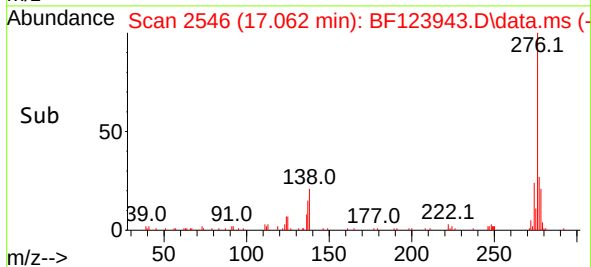
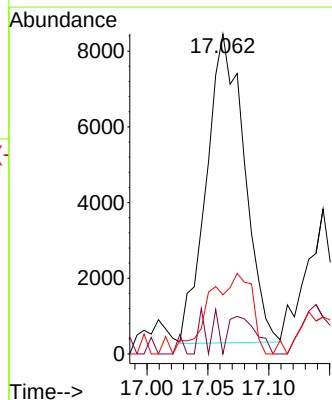
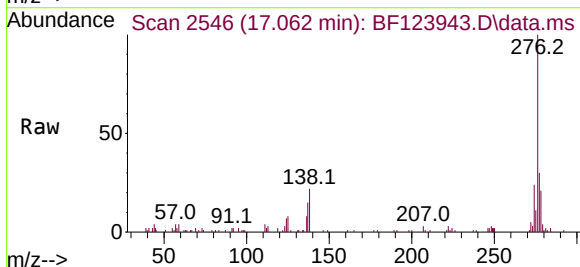
Instrument :  
BNA\_F  
ClientSampleId :  
KSB-02(7.5-9.5)

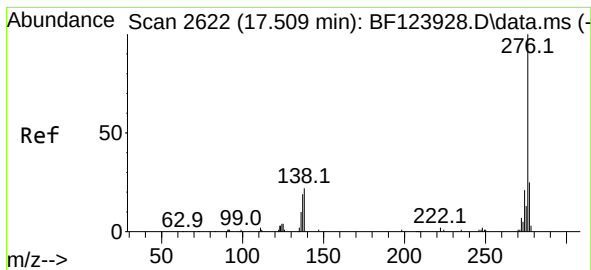
Tgt Ion:252 Resp: 110449  
Ion Ratio Lower Upper  
252 100  
253 22.1 18.4 27.6  
125 9.9 8.0 12.0



#91  
Dibenzo(a,h)anthracene  
Concen: 2.57 ng  
RT: 17.062 min Scan# 2546  
Delta R.T. -0.012 min  
Lab File: BF123943.D  
Acq: 15 May 2021 14:10

Tgt Ion:278 Resp: 17684  
Ion Ratio Lower Upper  
278 100  
139 0.0 10.2 15.2#  
279 18.5 19.4 29.0#





#92

Benzo(g,h,i)perylene

Concen: 16.80 ng

RT: 17.515 min Scan# 2623

Delta R.T. 0.006 min

Lab File: BF123943.D

Acq: 15 May 2021 14:10

Tgt Ion:276 Resp: 116031

Ion Ratio Lower Upper

276 100

277 22.9 18.2 27.2

138 22.7 13.8 20.6#

