

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051521\  
 Data File : BF123939.D  
 Acq On : 15 May 2021 12:04  
 Operator : JU/CG  
 Sample : M2383-08  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KTW-02

Quant Time: May 16 05:18:17 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

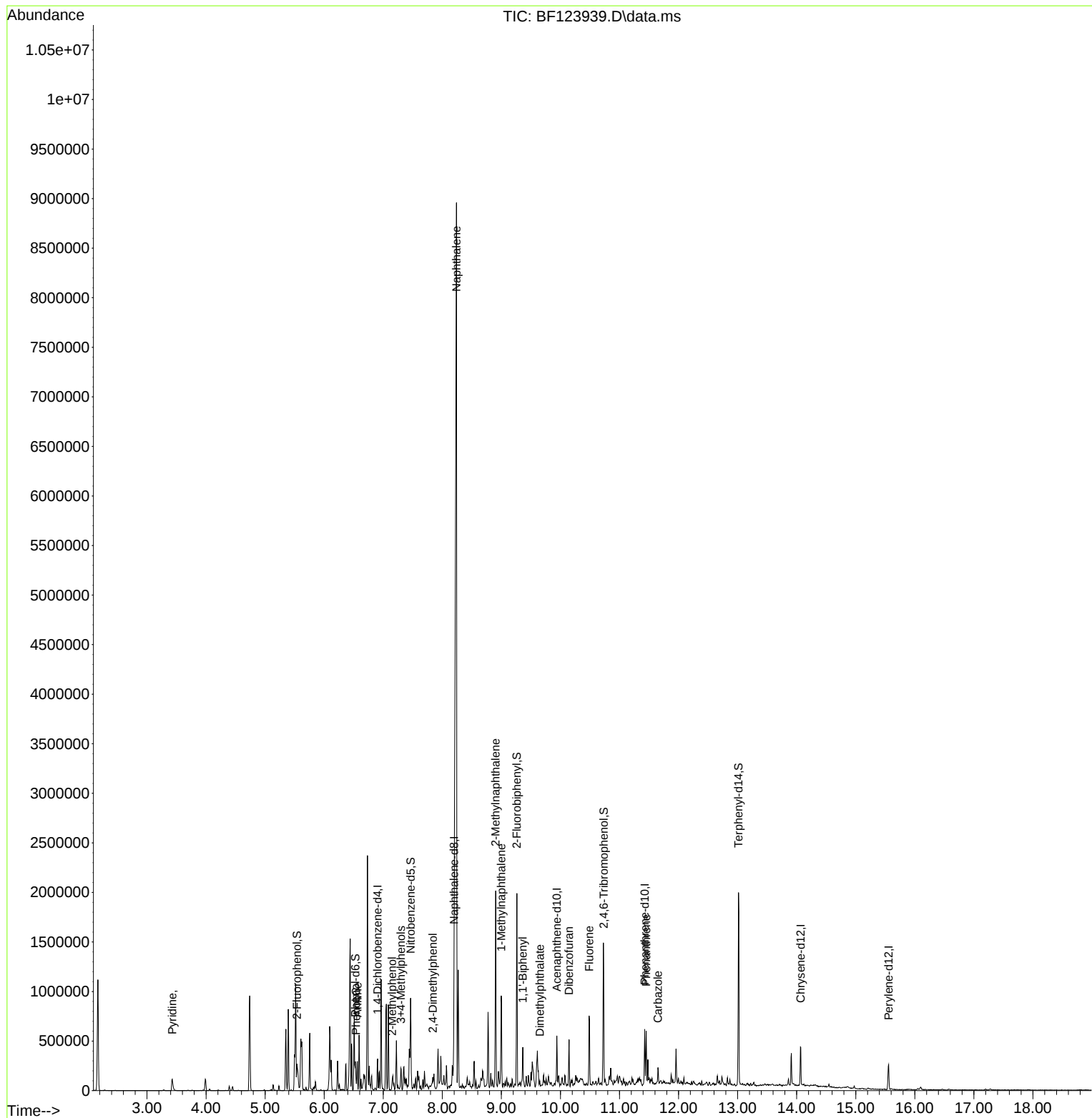
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.904  | 152  | 37943    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.198  | 136  | 145536   | 20.00  | ng    | 0.01     |
| 39) Acenaphthene-d10        | 9.939  | 164  | 87573    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.427 | 188  | 164627   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.068 | 240  | 125871   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.556 | 264  | 106371   | 20.00  | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.539  | 112  | 108174   | 40.03  | ng    | 0.03     |
| 7) Phenol-d6                | 6.528  | 99   | 81043    | 23.12  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.463  | 82   | 273527   | 80.98  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.733 | 330  | 139108   | 132.25 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.263  | 172  | 499826   | 70.24  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.015 | 244  | 616783   | 74.21  | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 3) Pyridine                 | 3.428  | 79   | 51275    | 16.74  | ng    | 94       |
| 6) Aniline                  | 6.563  | 93   | 74645    | 18.75  | ng    | 96       |
| 10) Phenol                  | 6.539  | 94   | 20165    | 5.69   | ng    | 88       |
| 17) 2-Methylphenol          | 7.151  | 107  | 5904     | 2.59   | ng    | # 71     |
| 20) 3+4-Methylphenols       | 7.298  | 107  | 17373    | 5.78   | ng    | # 68     |
| 27) 2,4-Dimethylphenol      | 7.839  | 122  | 16116    | 6.48   | ng    | 93       |
| 31) Naphthalene             | 8.239  | 128  | 6158102  | 714.98 | ng    | 97       |
| 37) 2-Methylnaphthalene     | 8.904  | 142  | 409292   | 70.11  | ng    | 99       |
| 38) 1-Methylnaphthalene     | 8.998  | 142  | 210447   | 38.63  | ng    | 96       |
| 46) 1,1'-Biphenyl           | 9.363  | 154  | 71333    | 9.25   | ng    | 97       |
| 50) Dimethylphthalate       | 9.651  | 163  | 19915    | 2.85   | ng    | # 98     |
| 55) Dibenzofuran            | 10.145 | 168  | 129721   | 14.58  | ng    | 99       |
| 58) Fluorene                | 10.486 | 166  | 174644   | 26.04  | ng    | 95       |
| 71) Phenanthrene            | 11.451 | 178  | 160991   | 15.43  | ng    | 99       |
| 73) Carbazole               | 11.651 | 167  | 52320    | 5.66   | ng    | 98       |
| -----                       |        |      |          |        |       |          |

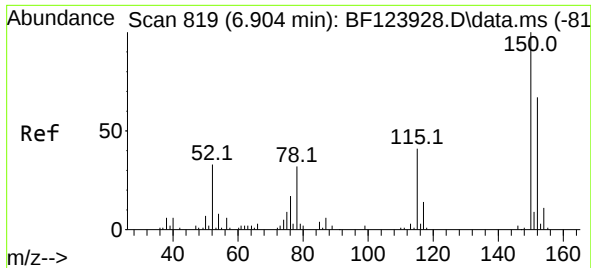
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051521\  
Data File : BF123939.D  
Acq On : 15 May 2021 12:04  
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Sample : M2383-08  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
KTW-02

Quant Time: May 16 05:18:17 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

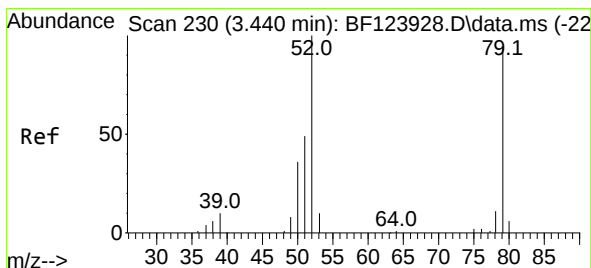
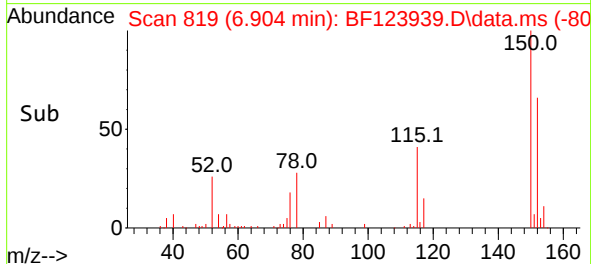
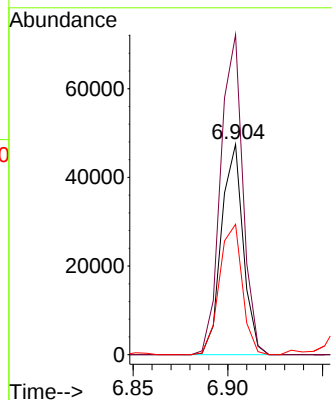
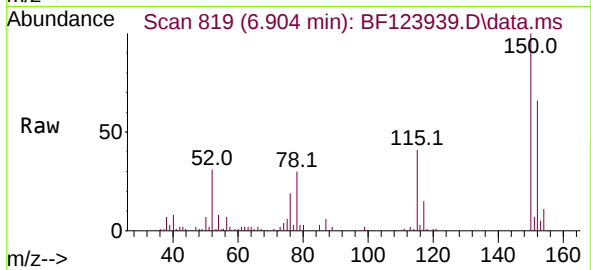




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.904 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

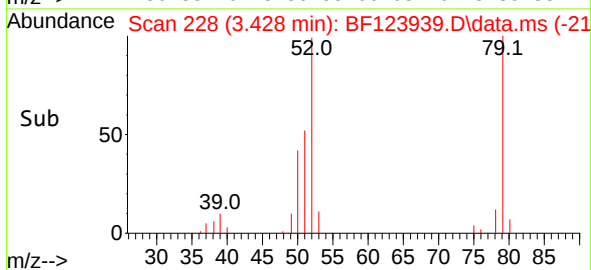
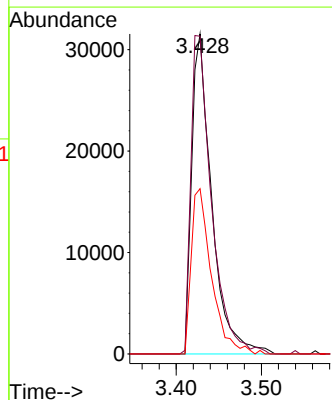
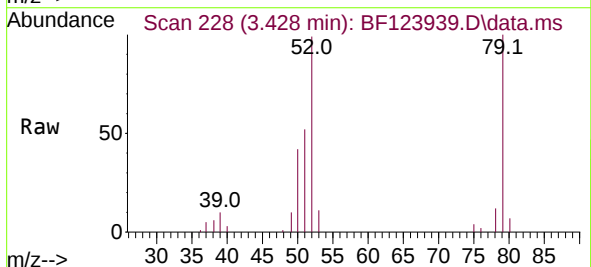
Instrument :  
BNA\_F  
ClientSampleId :  
KTW-02

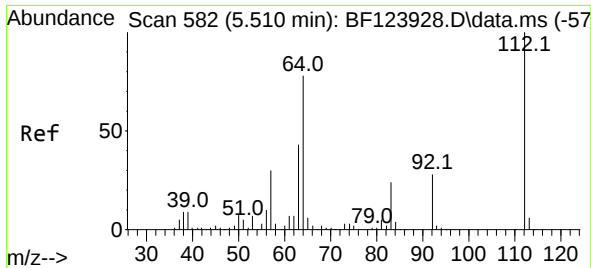
Tgt Ion:152 Resp: 37943  
Ion Ratio Lower Upper  
152 100  
150 152.0 127.0 190.6  
115 62.0 54.3 81.5



#3  
Pyridine  
Concen: 16.74 ng  
RT: 3.428 min Scan# 228  
Delta R.T. -0.012 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

Tgt Ion: 79 Resp: 51275  
Ion Ratio Lower Upper  
79 100  
52 99.3 87.4 131.0  
51 51.7 41.4 62.0

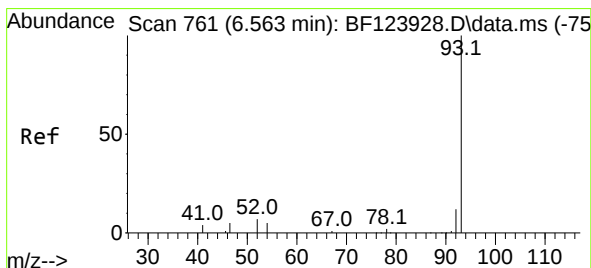
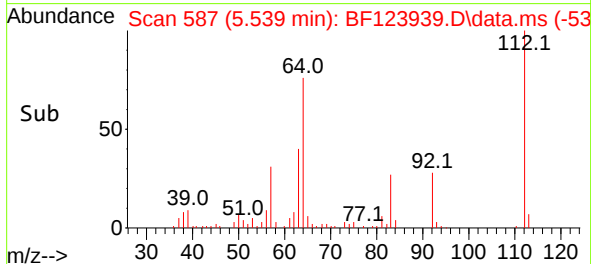
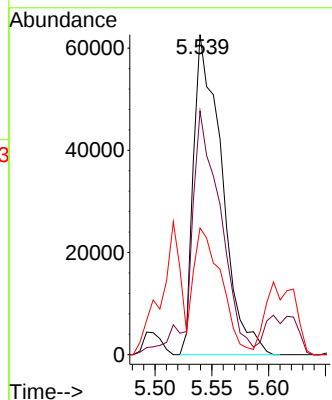
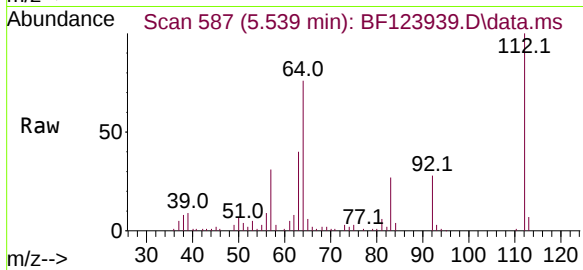




#5  
2-Fluorophenol  
Concen: 40.03 ng  
RT: 5.539 min Scan# 587  
Delta R.T. 0.029 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

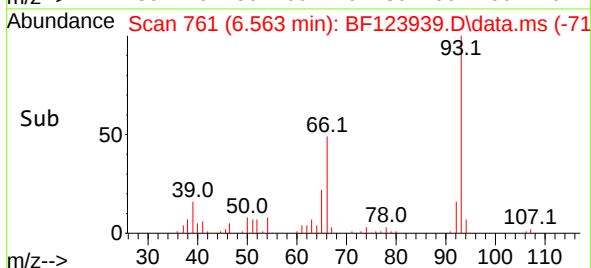
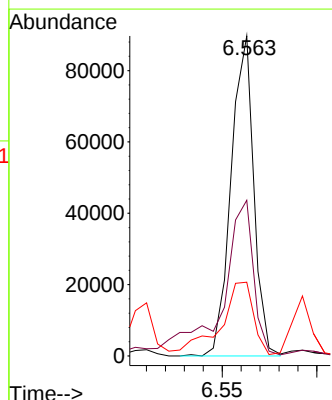
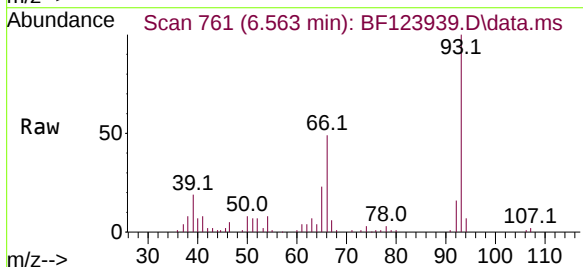
Instrument :  
BNA\_F  
ClientSampleId :  
KTW-02

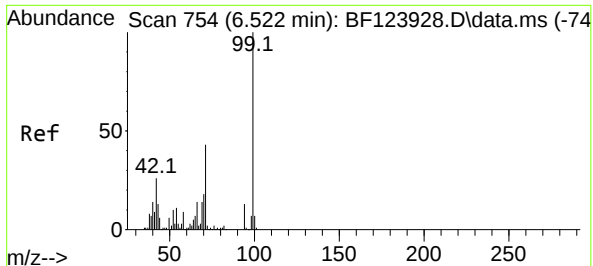
Tgt Ion:112 Resp: 108174  
Ion Ratio Lower Upper  
112 100  
64 76.1 61.4 92.0  
63 39.6 33.0 49.4



#6  
Aniline  
Concen: 18.75 ng  
RT: 6.563 min Scan# 761  
Delta R.T. -0.000 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

Tgt Ion: 93 Resp: 74645  
Ion Ratio Lower Upper  
93 100  
66 48.6 36.4 54.6  
65 23.1 19.4 29.0

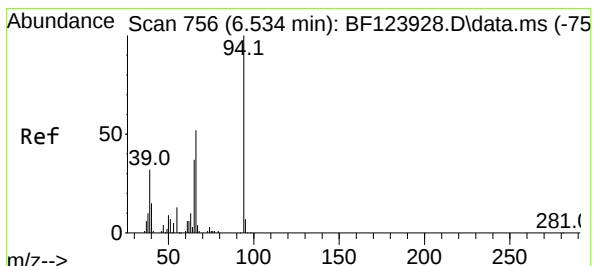
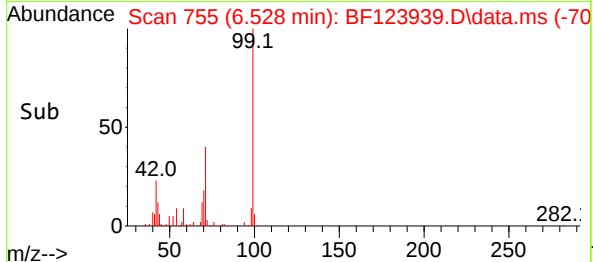
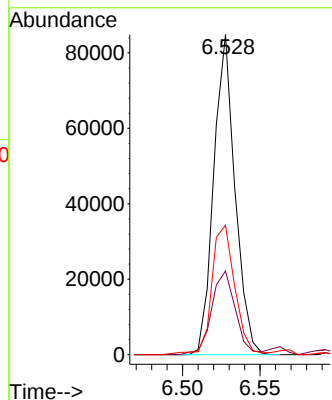
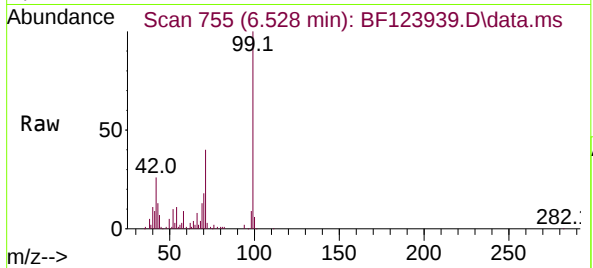




#7  
Phenol-d6  
Concen: 23.12 ng  
RT: 6.528 min Scan# 755  
Delta R.T. 0.006 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

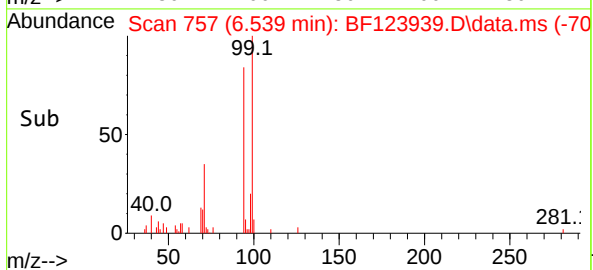
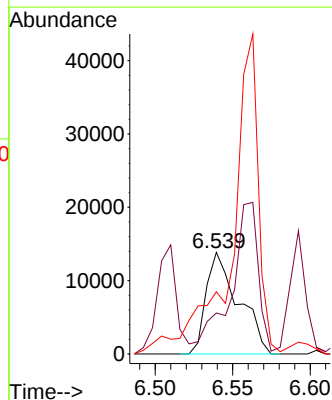
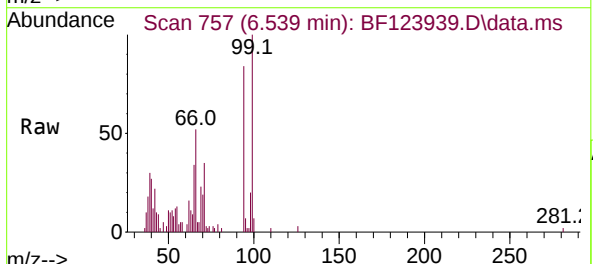
Instrument :  
BNA\_F  
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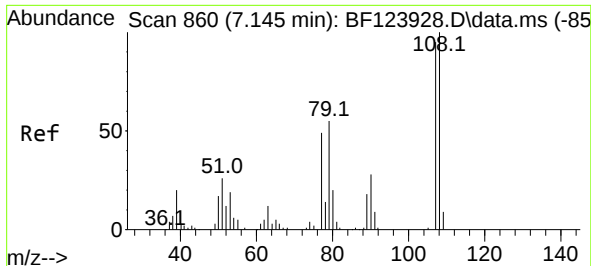
Tgt Ion: 99 Resp: 81043  
Ion Ratio Lower Upper  
99 100  
42 26.2 19.8 29.8  
71 40.5 31.1 46.7



#10  
Phenol  
Concen: 5.69 ng  
RT: 6.539 min Scan# 757  
Delta R.T. 0.006 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

Tgt Ion: 94 Resp: 20165  
Ion Ratio Lower Upper  
94 100  
65 40.4 18.1 58.1  
66 61.3 29.0 69.0

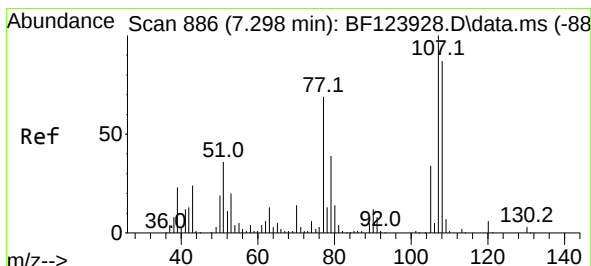
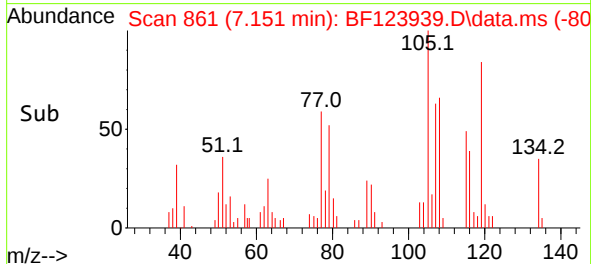
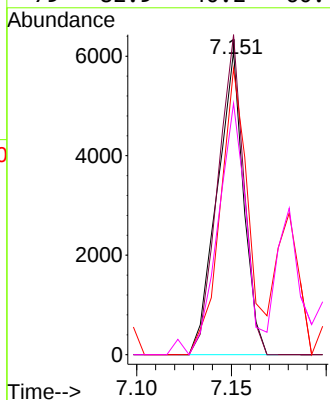
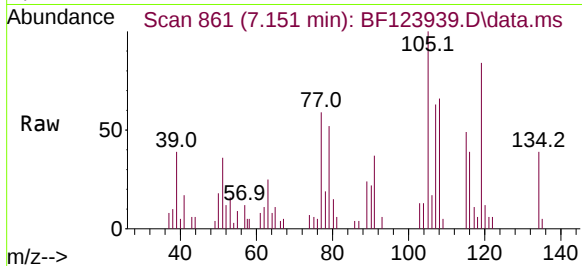




#17  
2-Methylphenol  
Concen: 2.59 ng  
RT: 7.151 min Scan# 861  
Delta R.T. 0.006 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

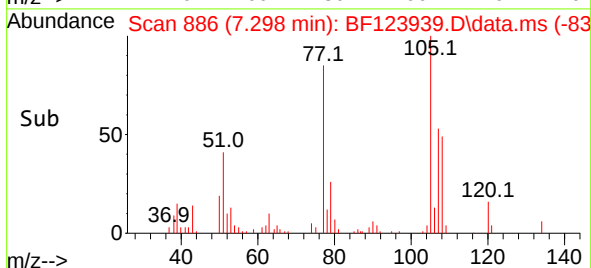
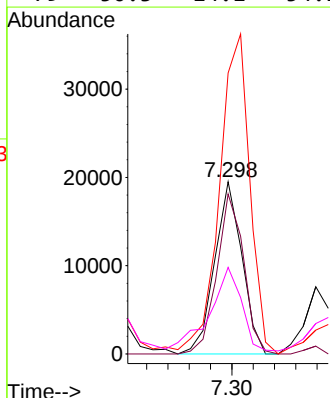
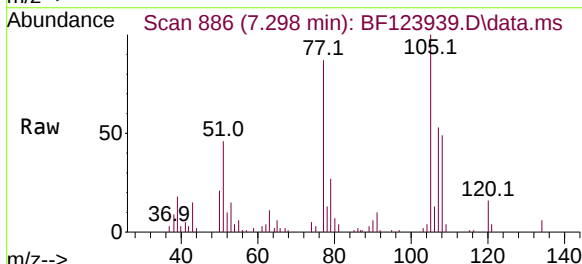
Instrument :  
BNA\_F  
ClientSampleId :  
KTW-02

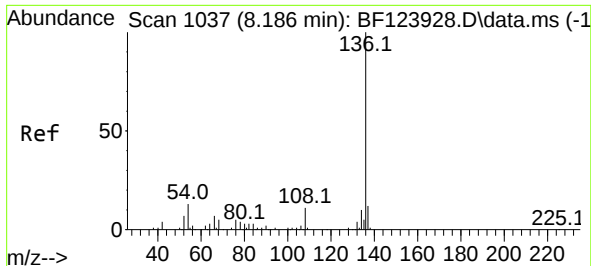
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|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 5904  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 105.5 | 89.8  | 134.8 |
| 77       | 94.3  | 40.9  | 61.3# |
| 79       | 82.9  | 40.2  | 60.4# |



#20  
3+4-Methylphenols  
Concen: 5.78 ng  
RT: 7.298 min Scan# 886  
Delta R.T. -0.000 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 17373  |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 92.9  | 71.5  | 111.5  |
| 77       | 163.2 | 82.0  | 122.0# |
| 79       | 50.3  | 14.1  | 54.1   |

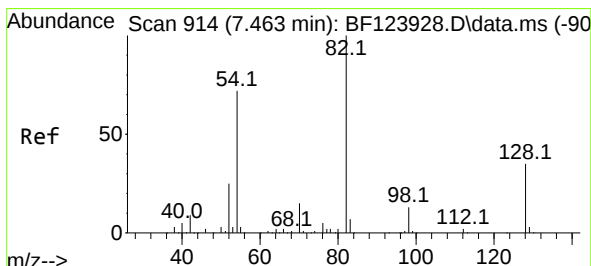
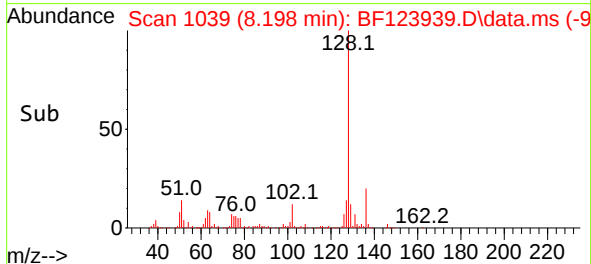
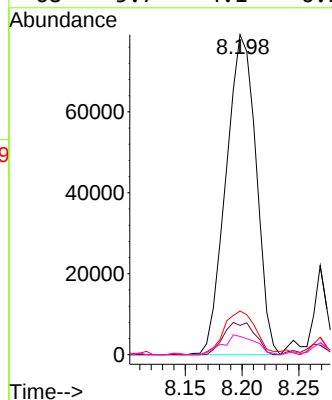
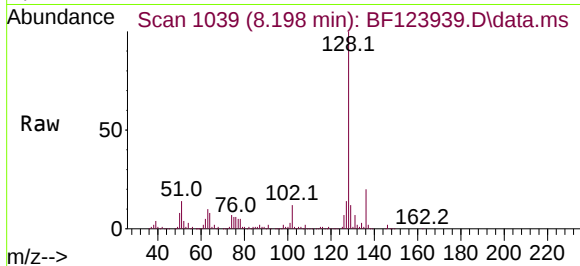




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.198 min Scan# 1039  
Delta R.T. 0.012 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

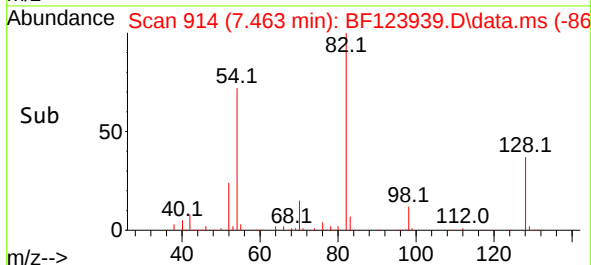
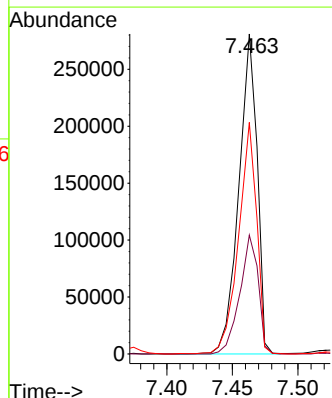
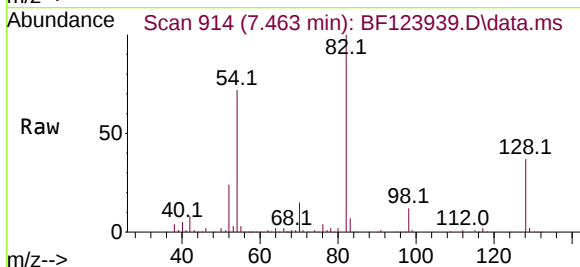
Instrument :  
BNA\_F  
ClientSampleId :  
KTW-02

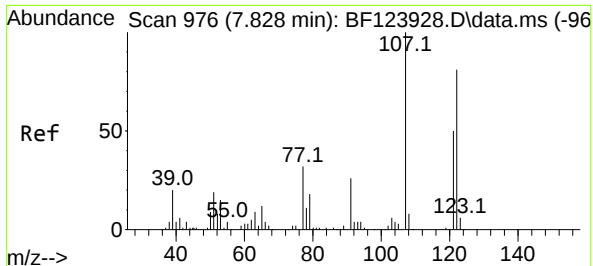
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| Tgt Ion:  | 136   | Resp: | 145536 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 9.1   | 8.7   | 13.1   |
| 54        | 13.6  | 9.8   | 14.6   |
| 68        | 5.7   | 4.1   | 6.1    |



#23  
Nitrobenzene-d5  
Concen: 80.98 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.000 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 273527 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.2  | 29.4  | 44.2   |
| 54        | 72.4  | 54.1  | 81.1   |

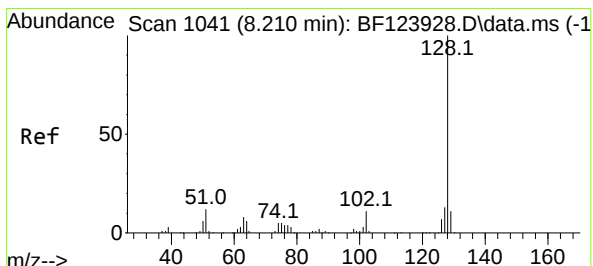
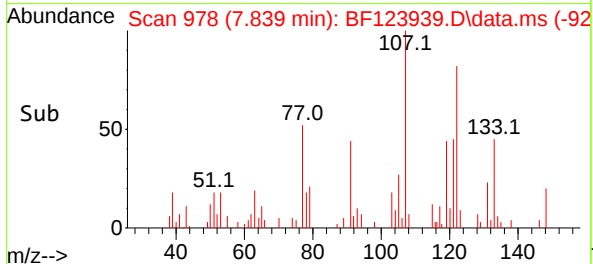
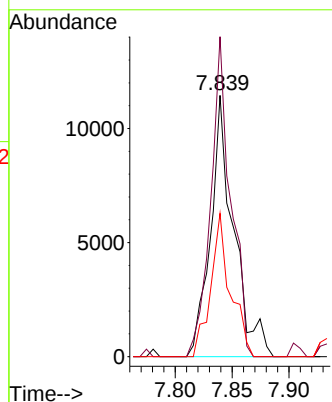
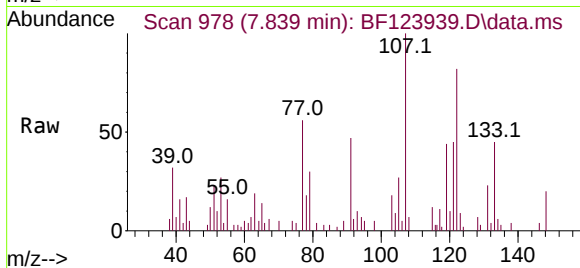




#27  
2,4-Dimethylphenol  
Concen: 6.48 ng  
RT: 7.839 min Scan# 978  
Delta R.T. 0.012 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

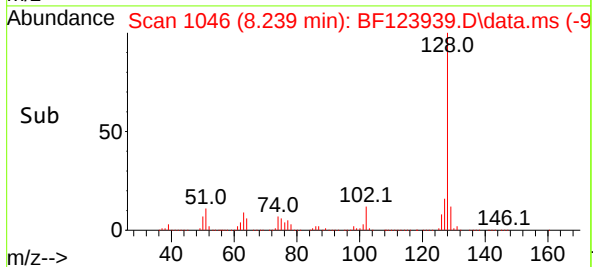
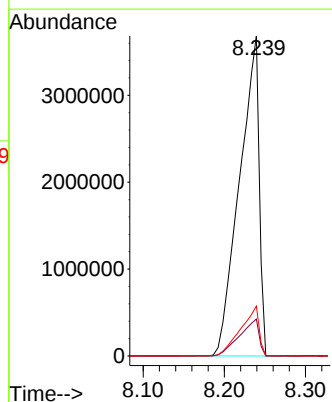
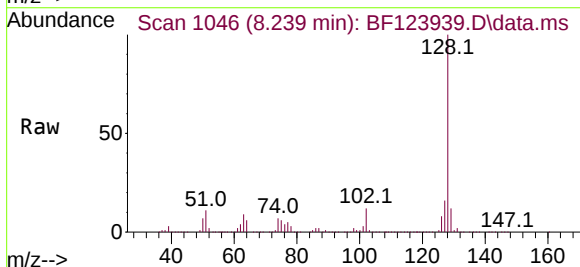
Instrument :  
BNA\_F  
ClientSampleId :  
KTW-02

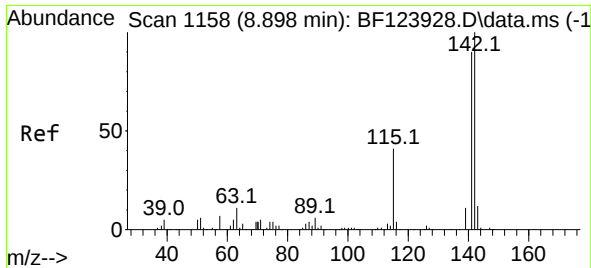
Tgt Ion:122 Resp: 16116  
Ion Ratio Lower Upper  
122 100  
107 122.5 106.3 159.5  
121 54.9 45.4 68.0



#31  
Naphthalene  
Concen: 714.98 ng  
RT: 8.239 min Scan# 1046  
Delta R.T. 0.029 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

Tgt Ion:128 Resp: 6158102  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.9 13.3  
127 15.6 10.8 16.2

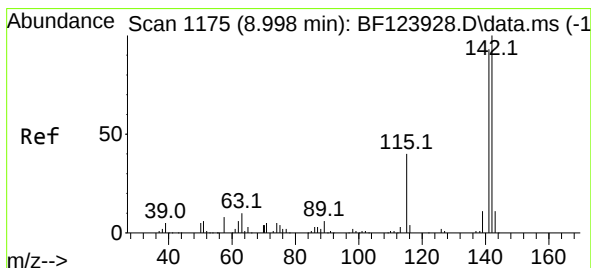
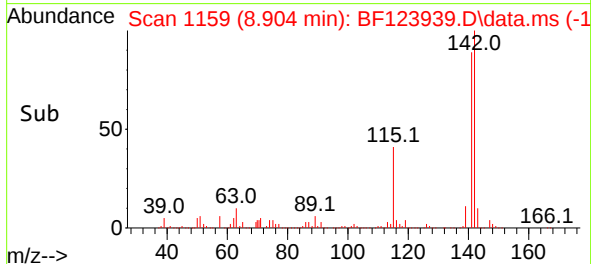
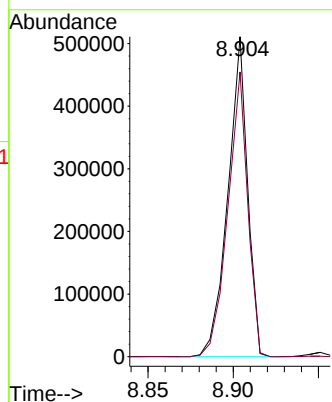
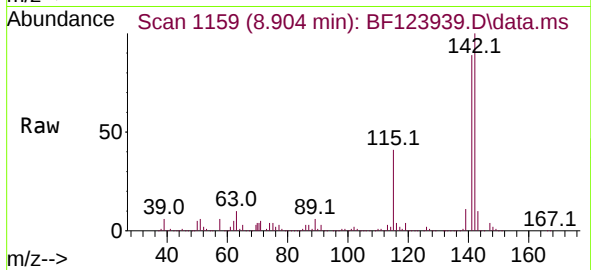




#37  
2-Methylnaphthalene  
Concen: 70.11 ng  
RT: 8.904 min Scan# 1159  
Delta R.T. 0.006 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

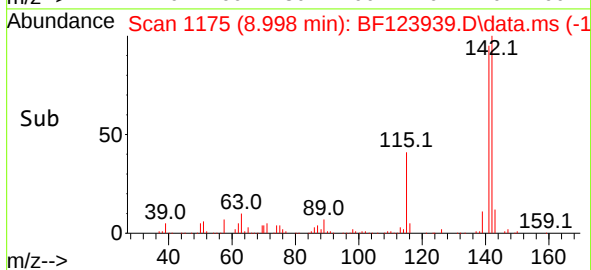
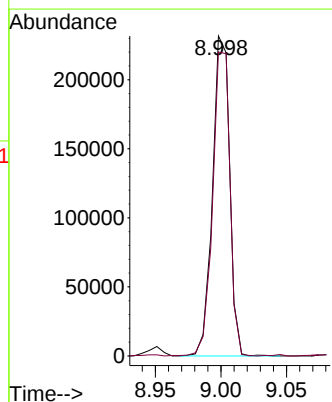
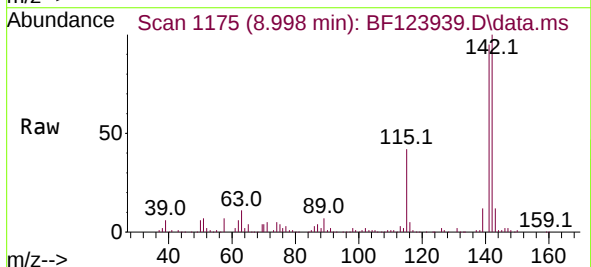
Instrument :  
BNA\_F  
ClientSampleId :  
KTW-02

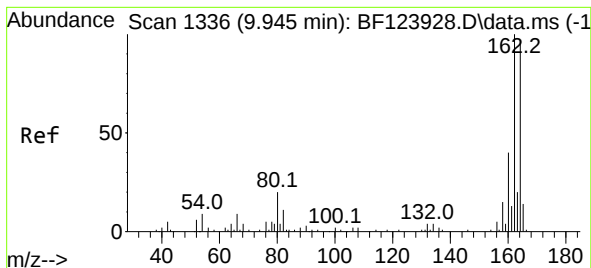
Tgt Ion:142 Resp: 409292  
Ion Ratio Lower Upper  
142 100  
141 89.0 71.8 107.6



#38  
1-Methylnaphthalene  
Concen: 38.63 ng  
RT: 8.998 min Scan# 1175  
Delta R.T. -0.000 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

Tgt Ion:142 Resp: 210447  
Ion Ratio Lower Upper  
142 100  
141 95.0 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: BF123939.D

Acq: 15 May 2021 12:04

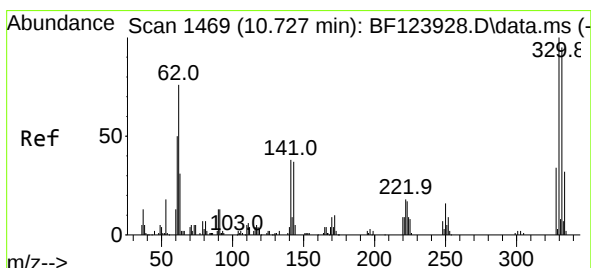
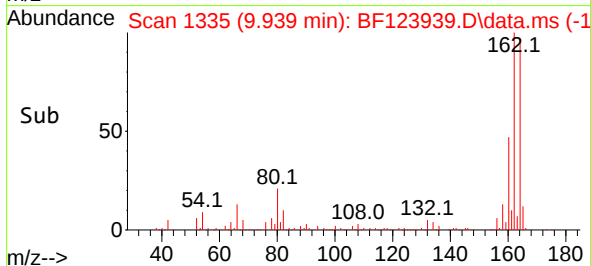
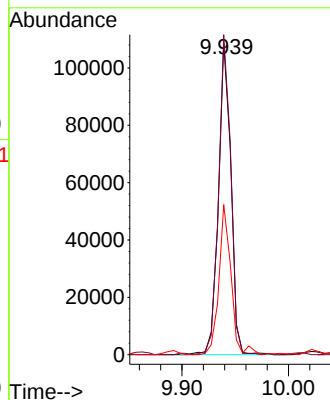
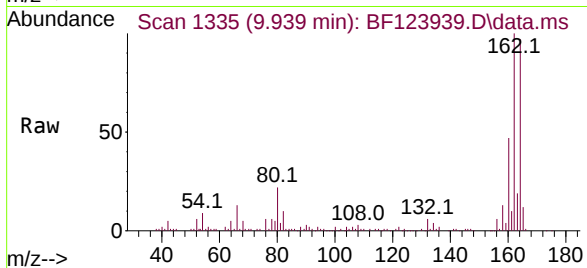
Tgt Ion:164 Resp: 87573

Ion Ratio Lower Upper

164 100

162 102.7 80.7 121.1

160 48.1 37.3 55.9



#42

2,4,6-Tribromophenol

Concen: 132.25 ng

RT: 10.733 min Scan# 1470

Delta R.T. 0.006 min

Lab File: BF123939.D

Acq: 15 May 2021 12:04

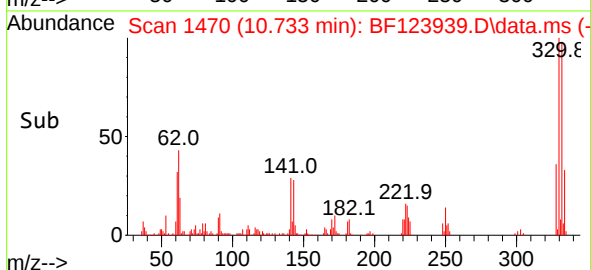
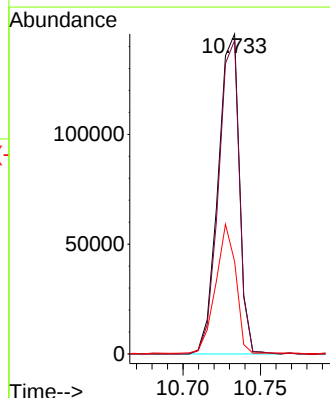
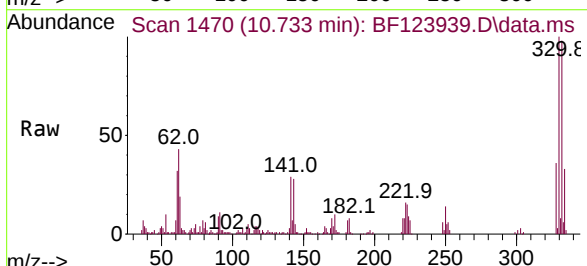
Tgt Ion:330 Resp: 139108

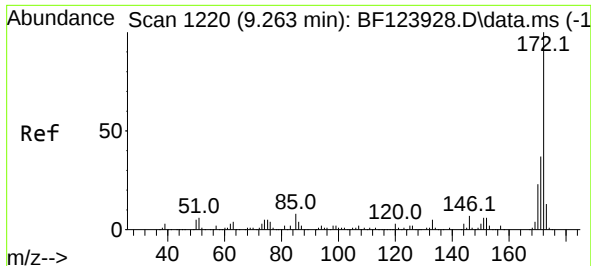
Ion Ratio Lower Upper

330 100

332 96.1 77.1 115.7

141 39.1 27.9 41.9

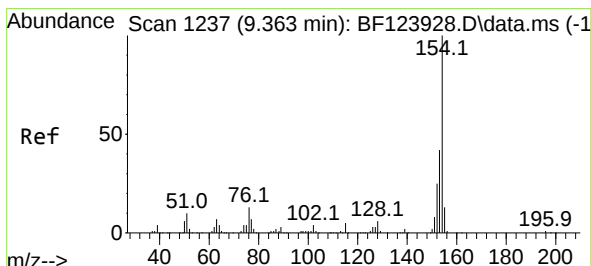
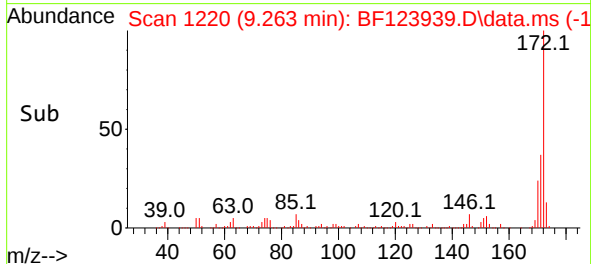
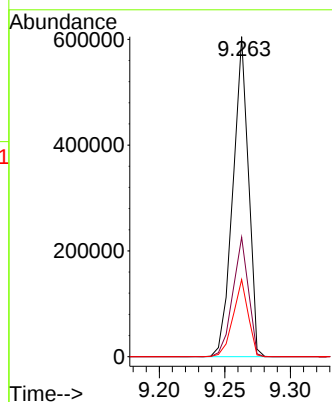
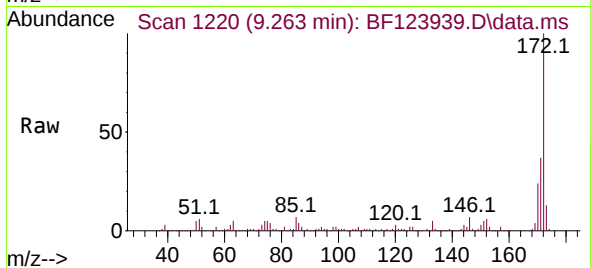




#45  
2-Fluorobiphenyl  
Concen: 70.24 ng  
RT: 9.263 min Scan# 1220  
Delta R.T. -0.000 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

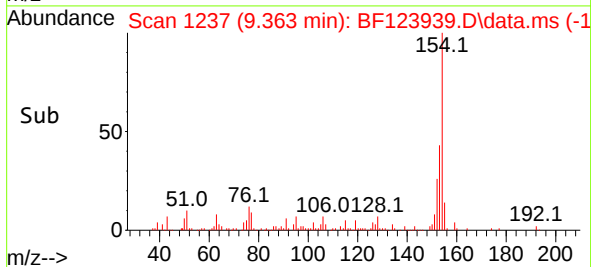
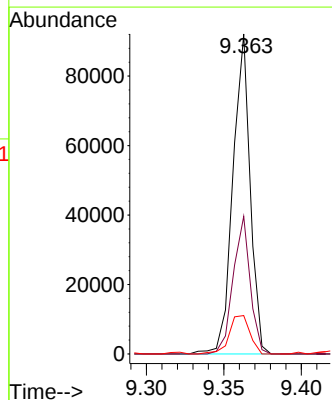
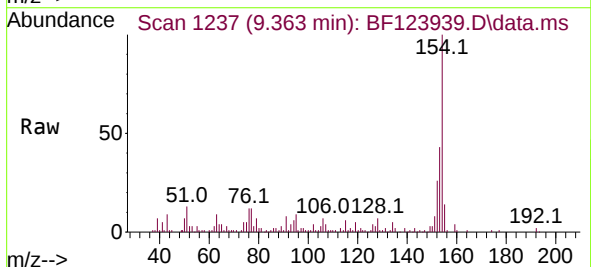
Instrument :  
BNA\_F  
ClientSampleId :  
KTW-02

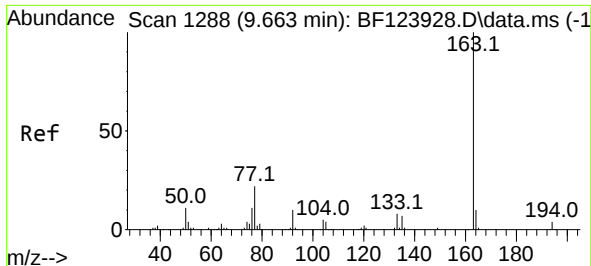
Tgt Ion:172 Resp: 499826  
Ion Ratio Lower Upper  
172 100  
171 37.3 28.1 42.1  
170 24.1 19.2 28.8



#46  
1,1'-Biphenyl  
Concen: 9.25 ng  
RT: 9.363 min Scan# 1237  
Delta R.T. -0.000 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

Tgt Ion:154 Resp: 71333  
Ion Ratio Lower Upper  
154 100  
153 43.0 20.7 60.7  
76 12.0 0.0 31.7

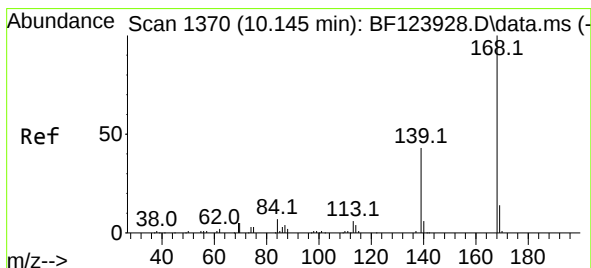
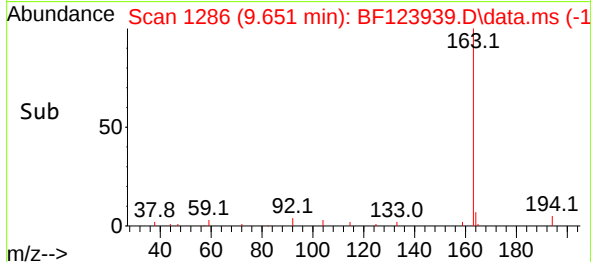
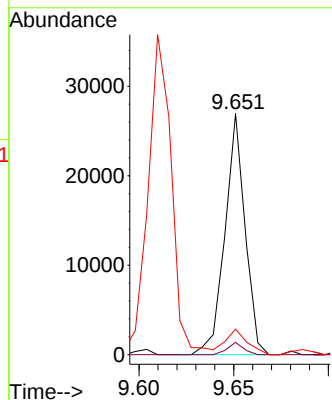
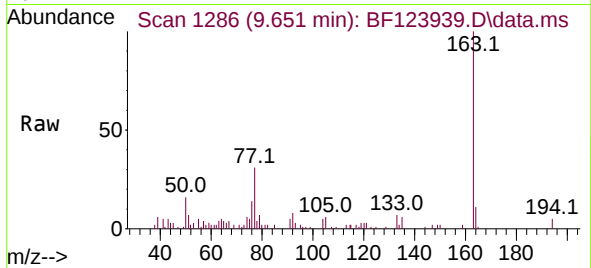




#50  
Dimethylphthalate  
Concen: 2.85 ng  
RT: 9.651 min Scan# 1286  
Delta R.T. -0.012 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

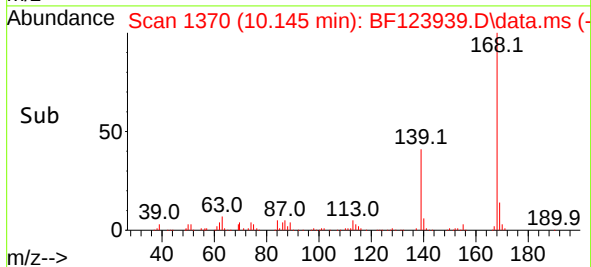
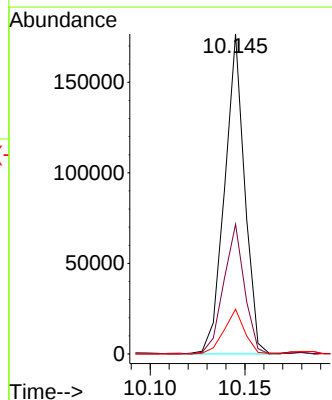
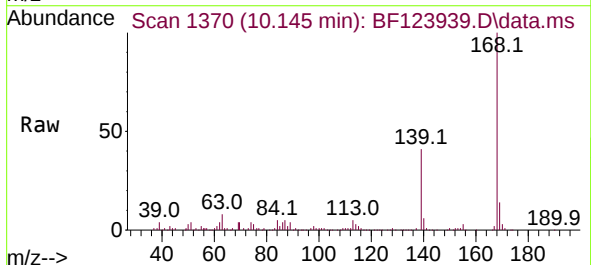
Instrument :  
BNA\_F  
ClientSampled :  
KTW-02

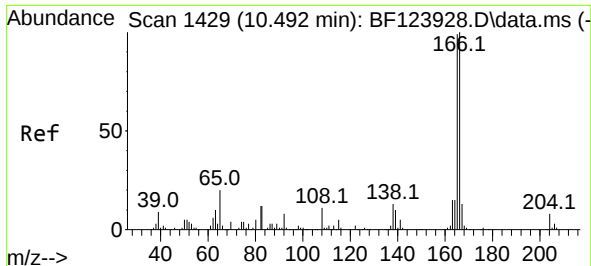
Tgt Ion:163 Resp: 19915  
Ion Ratio Lower Upper  
163 100  
194 5.1 3.1 4.7#  
164 10.6 8.2 12.2



#55  
Dibenzofuran  
Concen: 14.58 ng  
RT: 10.145 min Scan# 1370  
Delta R.T. -0.000 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

Tgt Ion:168 Resp: 129721  
Ion Ratio Lower Upper  
168 100  
139 40.5 33.2 49.8  
169 14.0 10.8 16.2

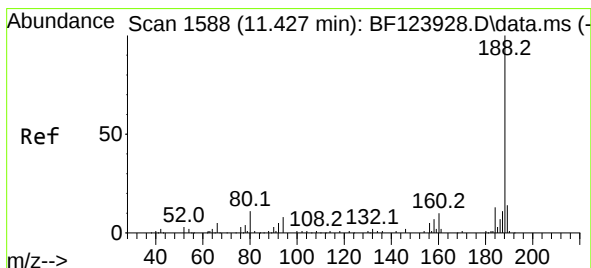
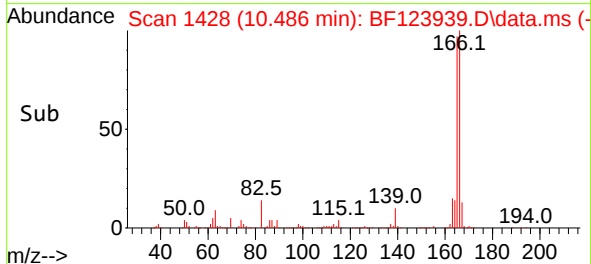
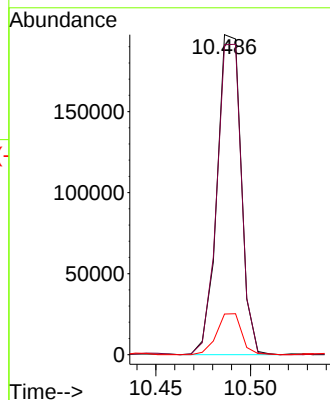
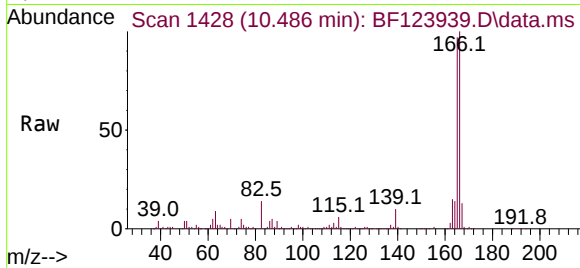




#58  
Fluorene  
Concen: 26.04 ng  
RT: 10.486 min Scan# 1428  
Delta R.T. -0.006 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

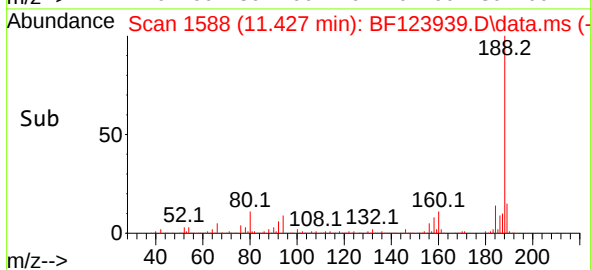
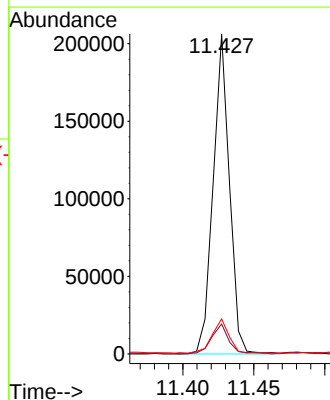
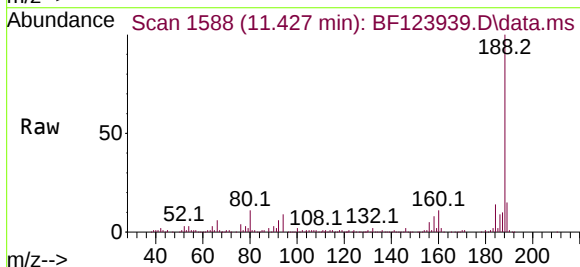
Instrument :  
BNA\_F  
ClientSampled :  
KTW-02

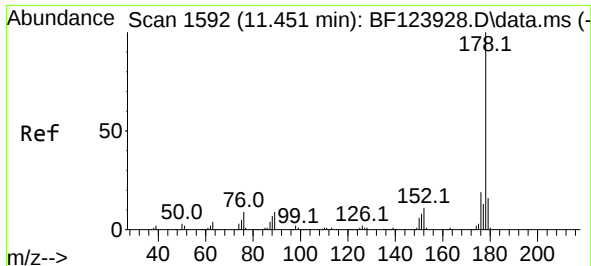
Tgt Ion:166 Resp: 174644  
Ion Ratio Lower Upper  
166 100  
165 96.9 73.5 110.3  
167 12.7 10.7 16.1



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.427 min Scan# 1588  
Delta R.T. 0.000 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

Tgt Ion:188 Resp: 164627  
Ion Ratio Lower Upper  
188 100  
94 9.3 6.9 10.3  
80 10.9 8.2 12.2

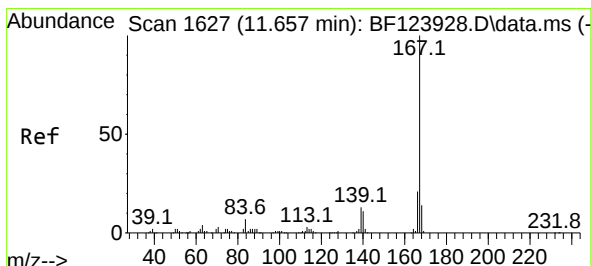
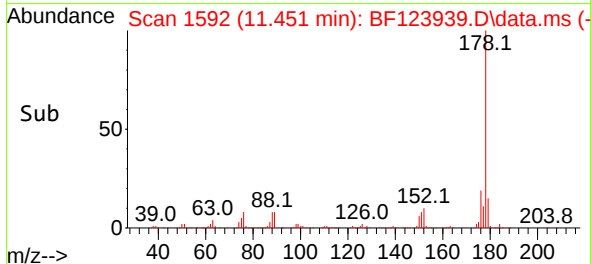
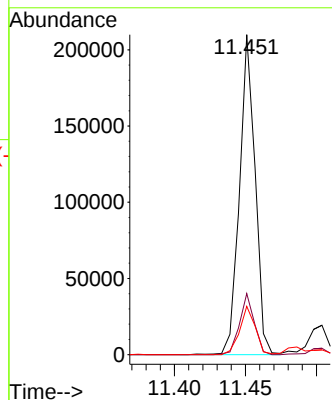
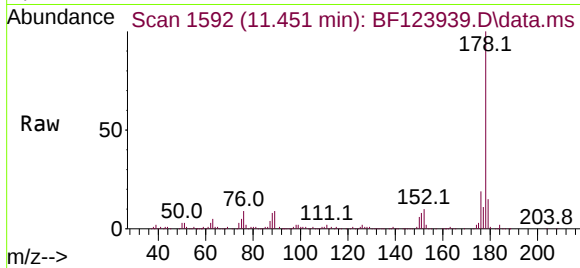




#71  
Phenanthrene  
Concen: 15.43 ng  
RT: 11.451 min Scan# 1592  
Delta R.T. -0.000 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

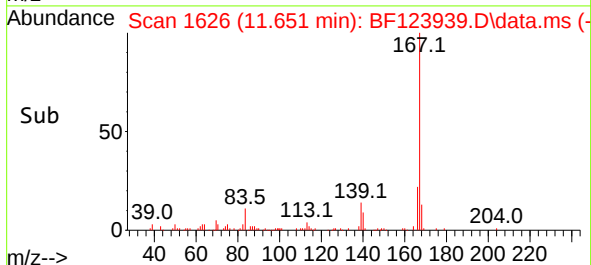
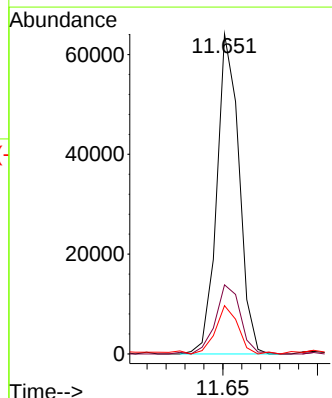
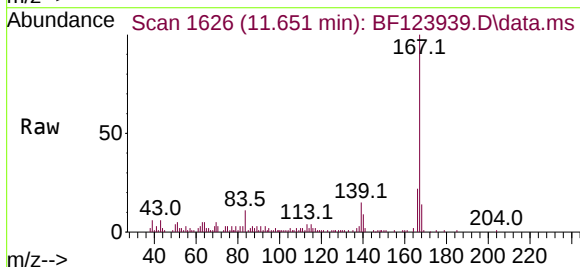
Instrument :  
BNA\_F  
ClientSampleId :  
KTW-02

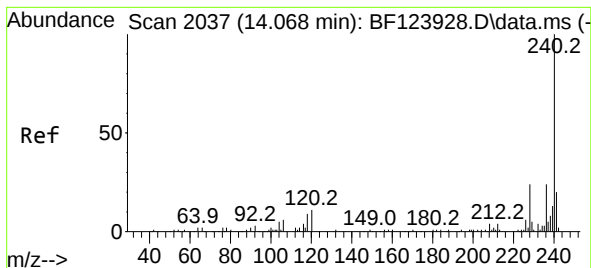
Tgt Ion:178 Resp: 160991  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.6 23.4  
179 15.1 12.5 18.7



#73  
Carbazole  
Concen: 5.66 ng  
RT: 11.651 min Scan# 1626  
Delta R.T. -0.006 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

Tgt Ion:167 Resp: 52320  
Ion Ratio Lower Upper  
167 100  
166 21.6 17.0 25.6  
139 15.1 10.4 15.6

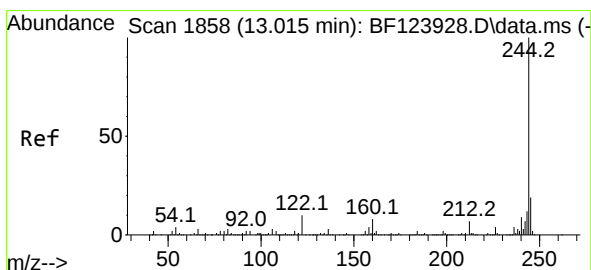
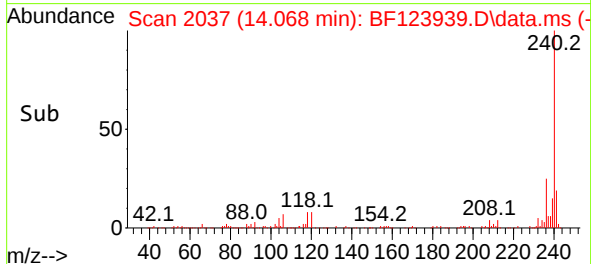
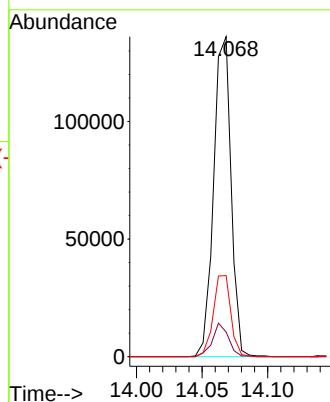
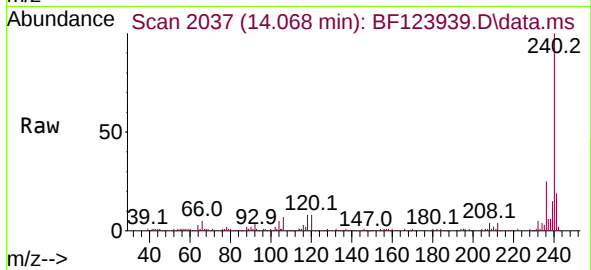




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.068 min Scan# 2037  
Delta R.T. -0.000 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

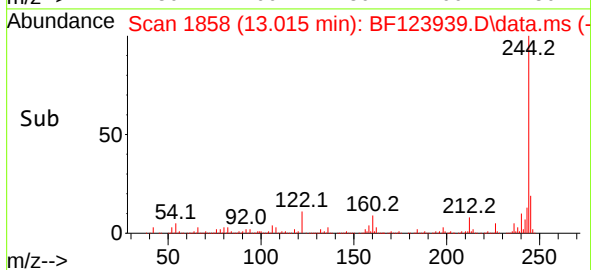
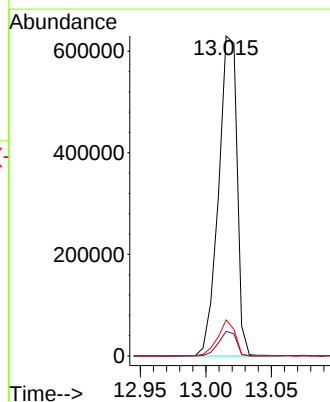
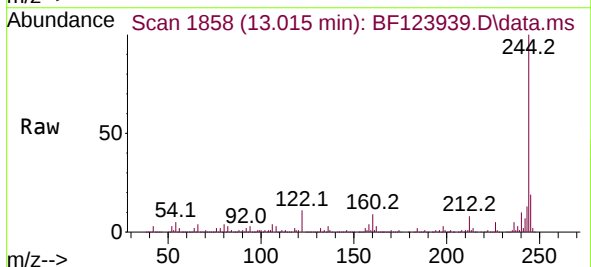
Instrument :  
BNA\_F  
ClientSampleId :  
KTW-02

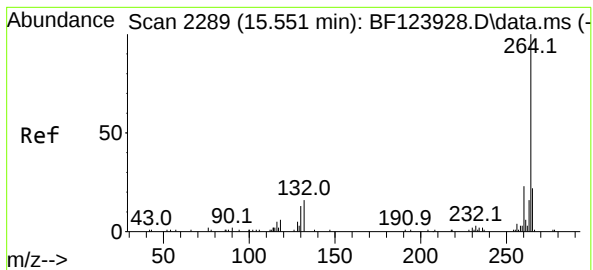
Tgt Ion:240 Resp: 125871  
Ion Ratio Lower Upper  
240 100  
120 7.7 7.2 10.8  
236 25.4 19.0 28.4



#79  
Terphenyl-d14  
Concen: 74.21 ng  
RT: 13.015 min Scan# 1858  
Delta R.T. -0.000 min  
Lab File: BF123939.D  
Acq: 15 May 2021 12:04

Tgt Ion:244 Resp: 616783  
Ion Ratio Lower Upper  
244 100  
212 7.7 5.7 8.5  
122 11.3 9.7 14.5





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.556 min Scan# 2290  
 Delta R.T. 0.006 min  
 Lab File: BF123939.D  
 Acq: 15 May 2021 12:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 KTW-02

Tgt Ion:264 Resp: 106371

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 18.7  | 28.1  |
| 265 | 22.2  | 17.8  | 26.8  |

