

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050622\  
 Data File : BF128138.D  
 Acq On : 06 May 2022 21:52  
 Operator : CG\JU  
 Sample : N2717-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 24702

Quant Time: May 06 23:26:30 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 05 17:56:23 2022  
 Response via : Initial Calibration

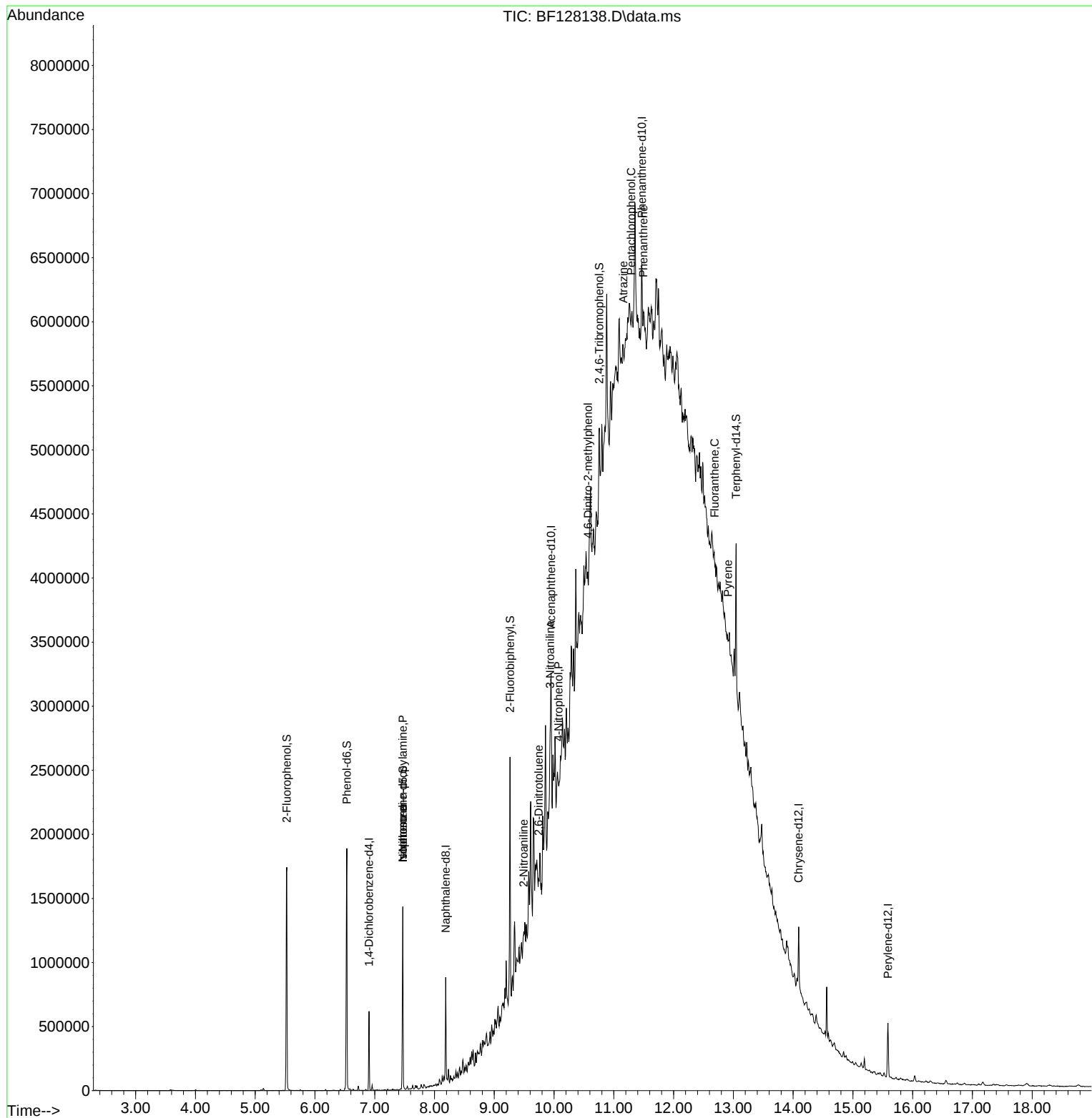
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.904  | 152  | 76767    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.187  | 136  | 291876   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.951  | 164  | 131786   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.469 | 188  | 157767   | 20.000  | ng    | # 0.02   |
| 76) Chrysene-d12              | 14.092 | 240  | 158172   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.586 | 264  | 177956   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 487851   | 101.221 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.534  | 99   | 642114   | 102.675 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.469  | 82   | 436662   | 70.351  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.757 | 330  | 117040   | 88.222  | ng    | 0.01     |
| 45) 2-Fluorobiphenyl          | 9.263  | 172  | 532268   | 68.327  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.045 | 244  | 392994   | 45.432  | ng    | 0.01     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.469  | 70   | 58978    | 15.406  | ng    | # 78     |
| 25) Isophorone                | 7.469  | 82   | 435343   | 41.673  | ng    | # 68     |
| 48) 2-Nitroaniline            | 9.492  | 65   | 5737     | 2.282   | ng    | # 10     |
| 51) 2,6-Dinitrotoluene        | 9.745  | 165  | 6226     | 3.254   | ng    | # 31     |
| 53) 3-Nitroaniline            | 9.934  | 138  | 4647     | 2.187   | ng    | # 56     |
| 56) 4-Nitrophenol             | 10.075 | 139  | 3551     | 2.188   | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 10.569 | 198  | 2141     | 2.284   | ng    | # 1      |
| 69) Atrazine                  | 11.157 | 200  | 12422    | 8.183   | ng    | # 1      |
| 70) Pentachlorophenol         | 11.292 | 266  | 3037     | 2.802   | ng    | # 24     |
| 71) Phenanthrene              | 11.492 | 178  | 24476    | 2.964   | ng    | # 1      |
| 75) Fluoranthene              | 12.686 | 202  | 31307    | 3.602   | ng    | # 70     |
| 78) Pyrene                    | 12.910 | 202  | 30133    | 2.360   | ng    | # 75     |
| -----                         |        |      |          |         |       |          |

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

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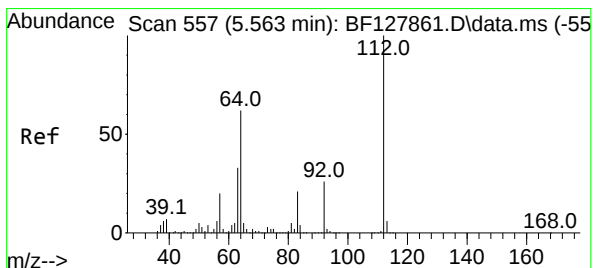
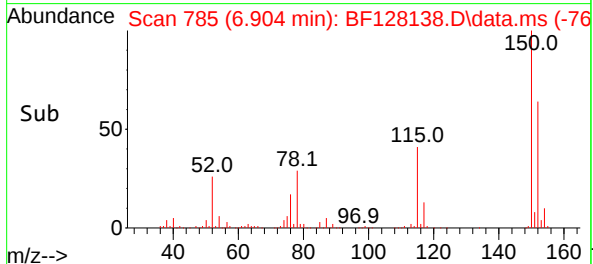
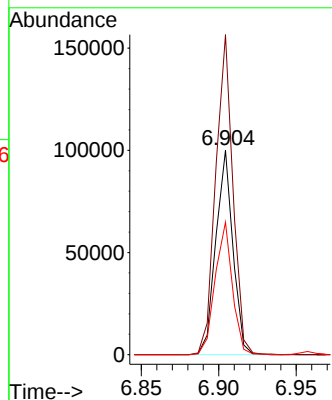
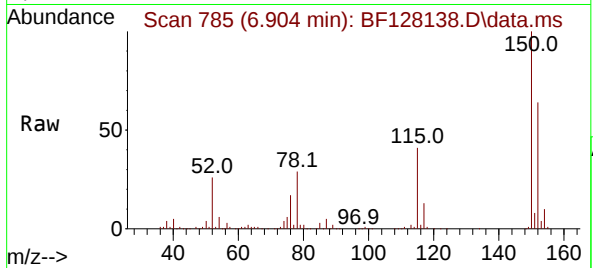




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.904 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

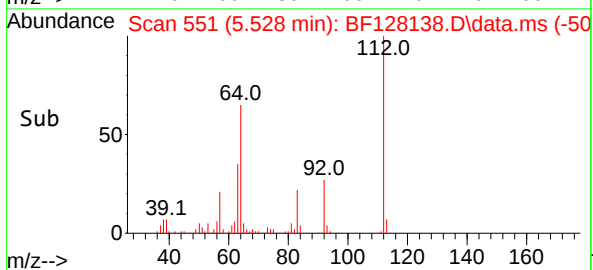
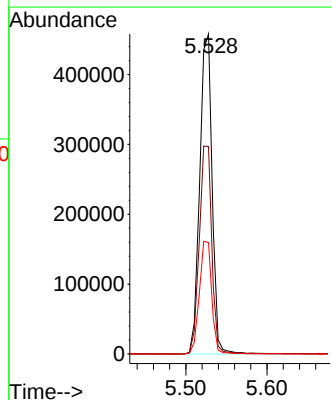
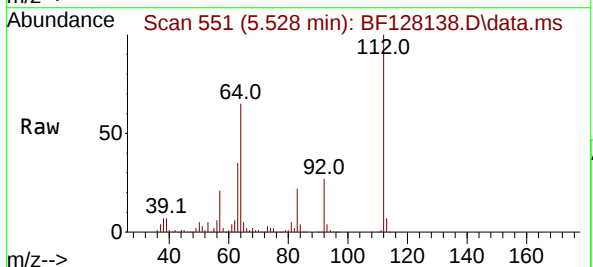
Instrument :  
BNA\_F  
ClientSampleId :  
24702

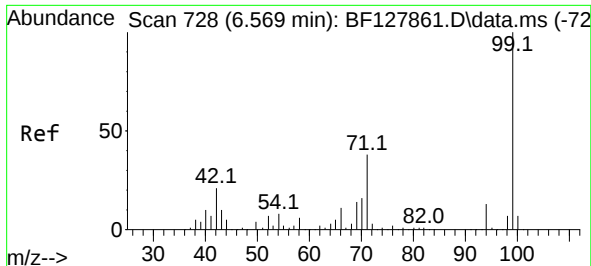
Tgt Ion:152 Resp: 76767  
Ion Ratio Lower Upper  
152 100  
150 156.4 125.3 187.9  
115 64.7 48.8 73.2



#5  
2-Fluorophenol  
Concen: 101.221 ng  
RT: 5.528 min Scan# 551  
Delta R.T. -0.006 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

Tgt Ion:112 Resp: 487851  
Ion Ratio Lower Upper  
112 100  
64 64.8 49.5 74.3  
63 34.8 26.3 39.5

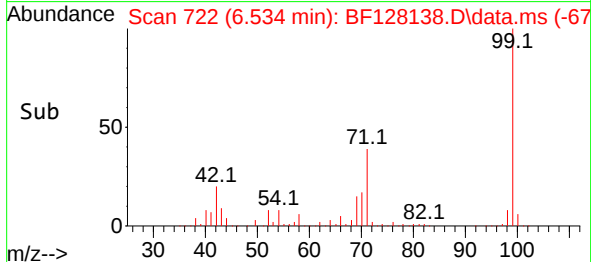
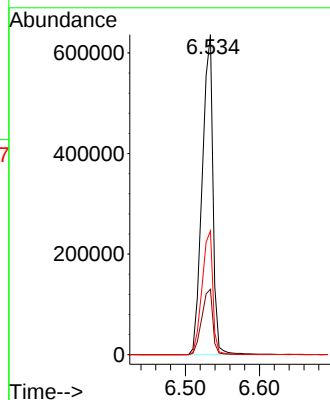
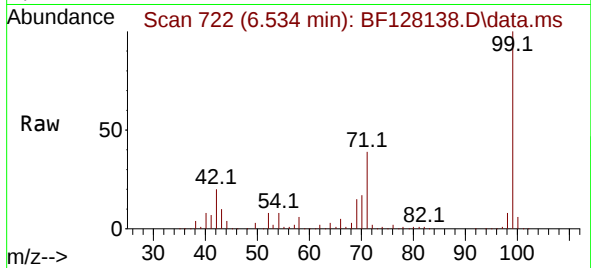




#7  
Phenol-d6  
Concen: 102.675 ng  
RT: 6.534 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

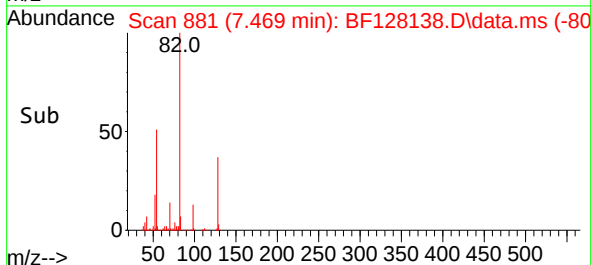
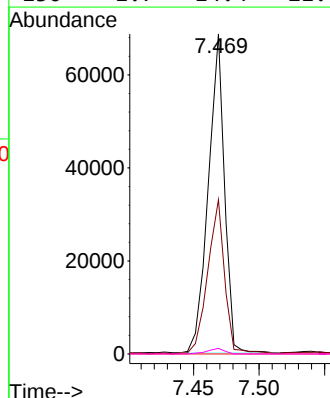
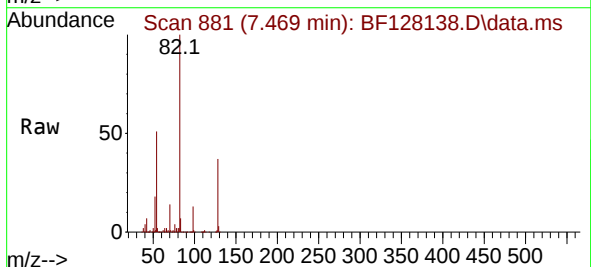
Instrument :  
BNA\_F  
ClientSampleId :  
24702

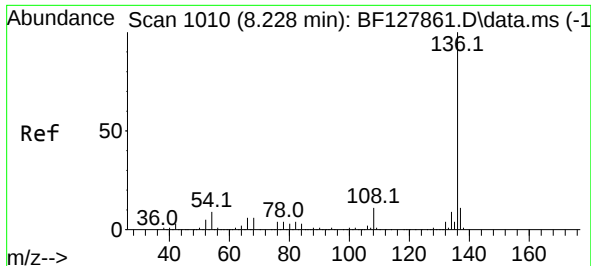
Tgt Ion: 99 Resp: 642114  
Ion Ratio Lower Upper  
99 100  
42 20.4 16.6 24.8  
71 38.7 30.0 45.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.406 ng  
RT: 7.469 min Scan# 881  
Delta R.T. 0.141 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

Tgt Ion: 70 Resp: 58978  
Ion Ratio Lower Upper  
70 100  
42 48.2 48.7 73.1#  
101 0.0 7.2 10.8#  
130 1.7 14.4 21.6#

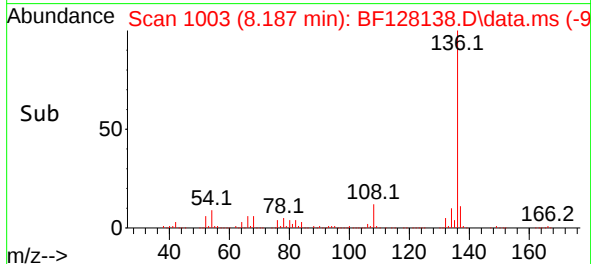
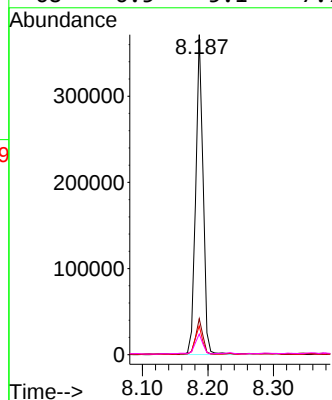
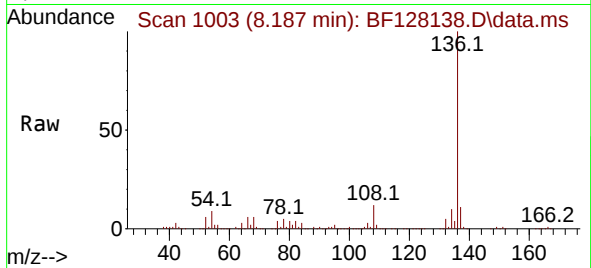




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.187 min Scan# 1010  
Delta R.T. -0.012 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

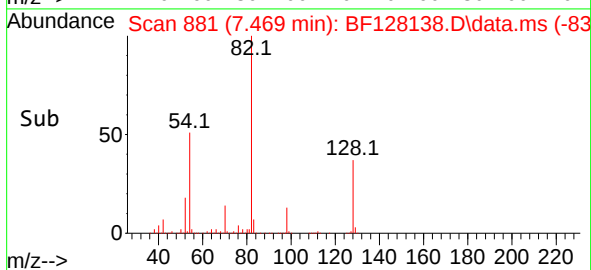
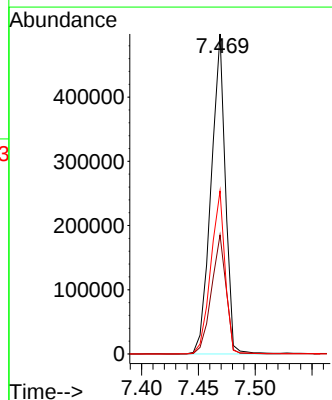
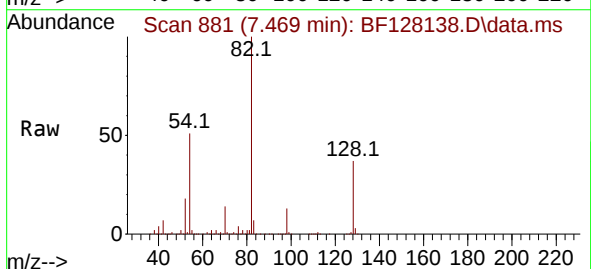
Instrument :  
BNA\_F  
ClientSampleId :  
24702

Tgt Ion:136 Resp: 291876  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.6 13.0  
54 9.0 6.8 10.2  
68 6.5 5.1 7.7



#23  
Nitrobenzene-d5  
Concen: 70.351 ng  
RT: 7.469 min Scan# 881  
Delta R.T. -0.012 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

Tgt Ion: 82 Resp: 436662  
Ion Ratio Lower Upper  
82 100  
128 37.2 30.0 45.0  
54 51.0 41.3 61.9

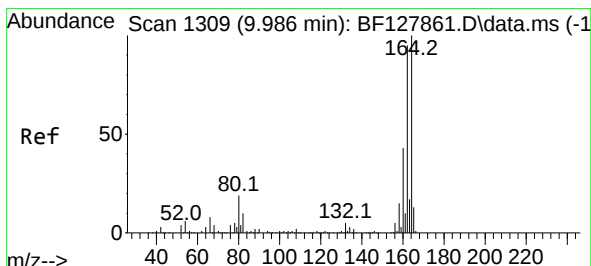
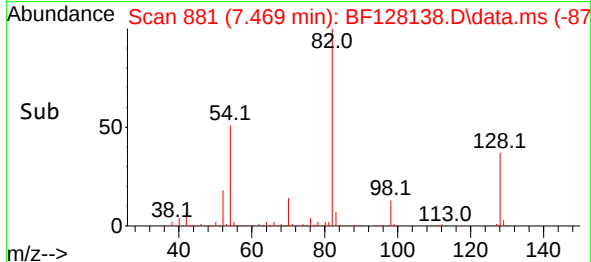
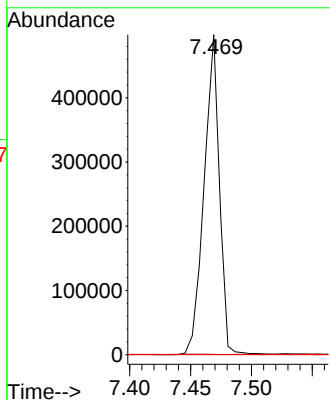
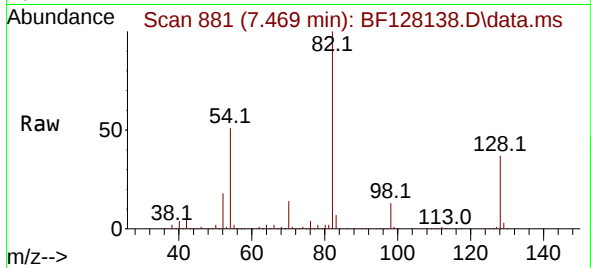




#25  
Isophorone  
Concen: 41.673 ng  
RT: 7.469 min Scan# 81  
Delta R.T. -0.270 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

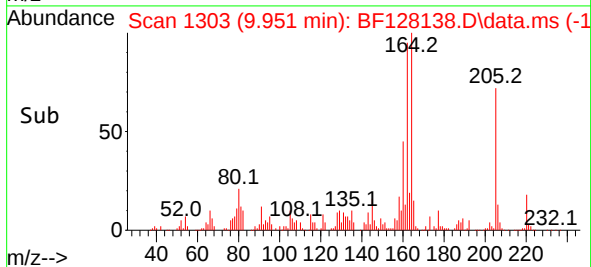
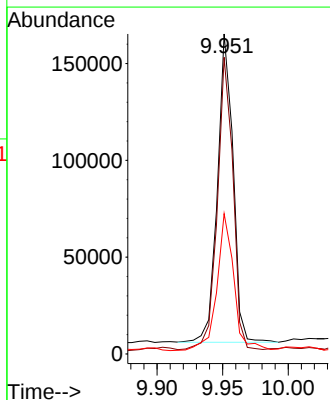
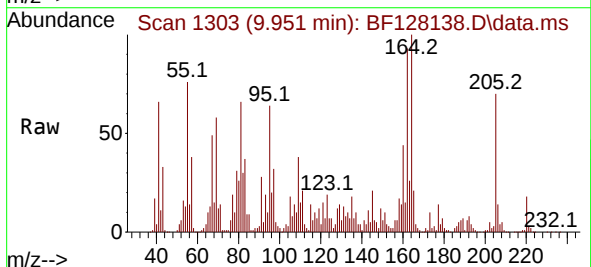
Instrument :  
BNA\_F  
ClientSampleId :  
24702

Tgt Ion: 82 Resp: 435343  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.6 8.4#  
138 0.0 12.5 18.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.951 min Scan# 1303  
Delta R.T. 0.000 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

Tgt Ion:164 Resp: 131786  
Ion Ratio Lower Upper  
164 100  
162 92.7 76.0 114.0  
160 43.9 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 88.222 ng

RT: 10.757 min Scan# 1444

Delta R.T. 0.012 min

Lab File: BF128138.D

Acq: 06 May 2022 21:52

Instrument :

BNA\_F

ClientSampleId :

24702

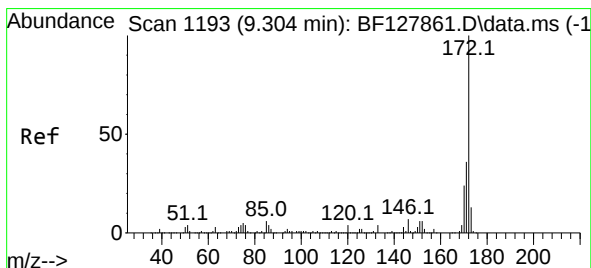
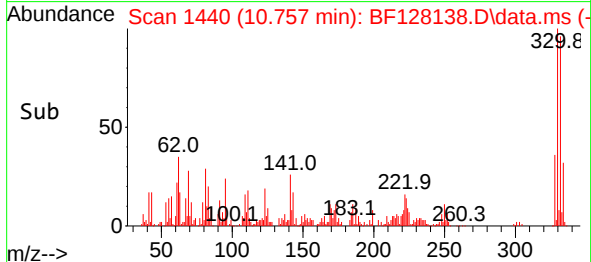
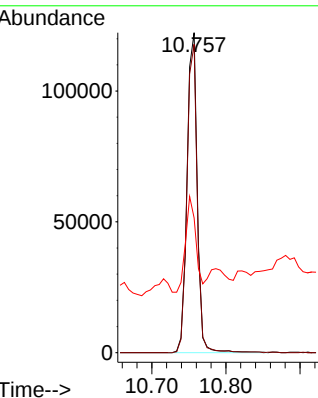
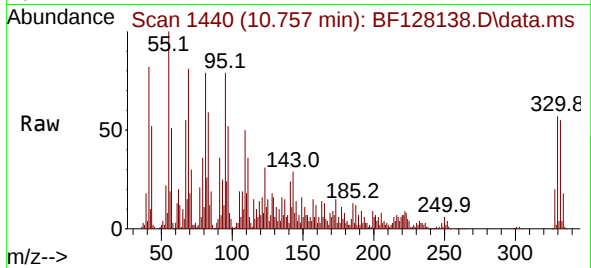
Tgt Ion:330 Resp: 117040

Ion Ratio Lower Upper

330 100

332 96.6 79.0 118.4

141 30.0 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 68.327 ng

RT: 9.263 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF128138.D

Acq: 06 May 2022 21:52

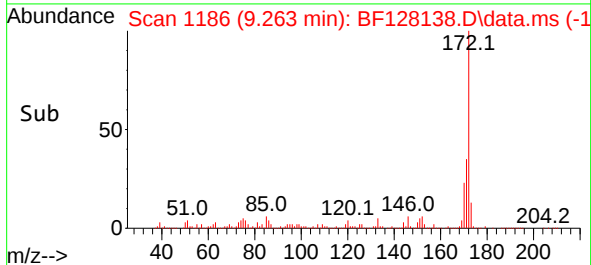
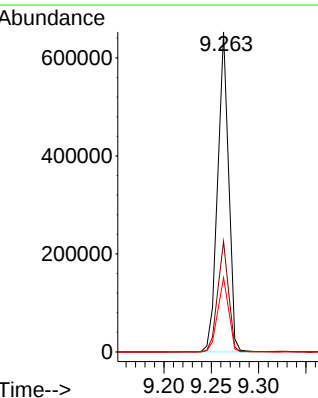
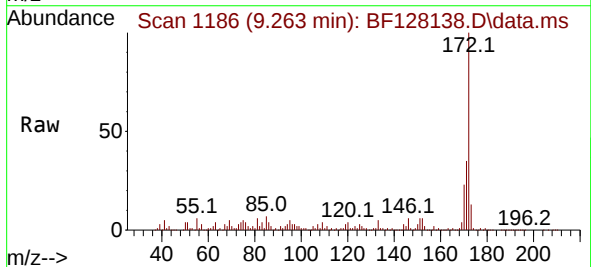
Tgt Ion:172 Resp: 532268

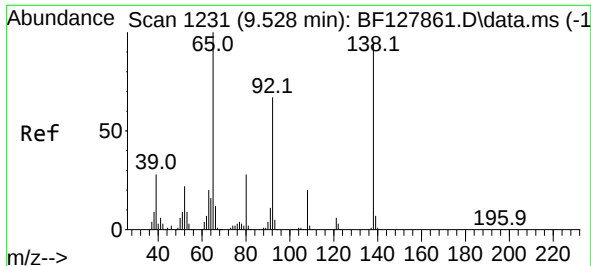
Ion Ratio Lower Upper

172 100

171 34.6 28.6 42.8

170 23.2 19.1 28.7

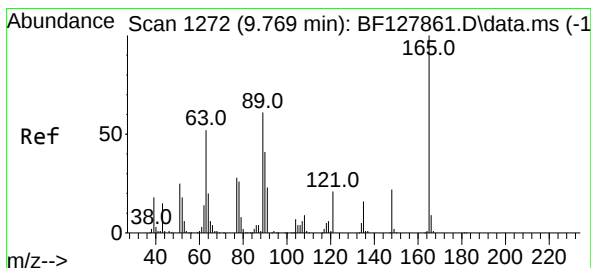
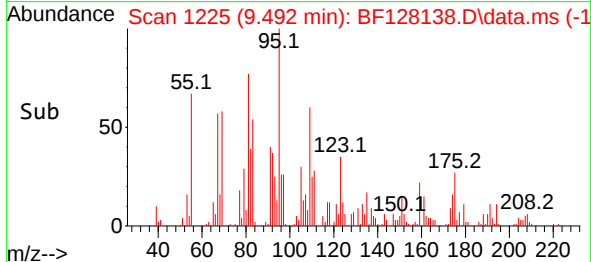
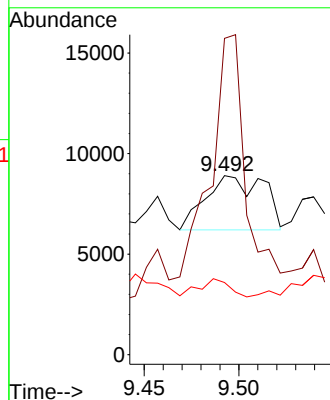
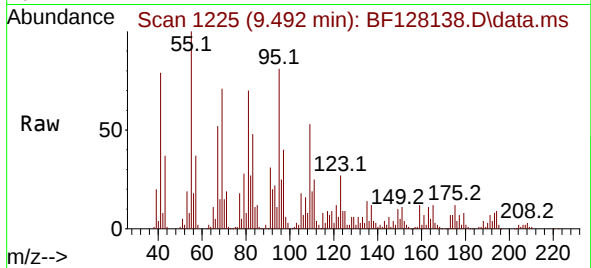




#48  
2-Nitroaniline  
Concen: 2.282 ng  
RT: 9.492 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

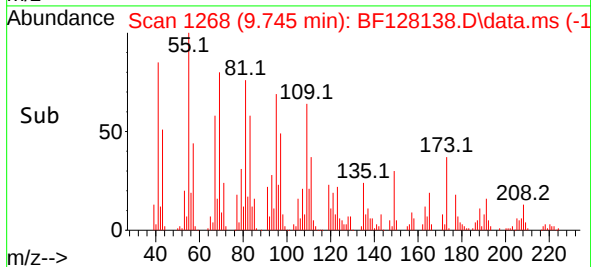
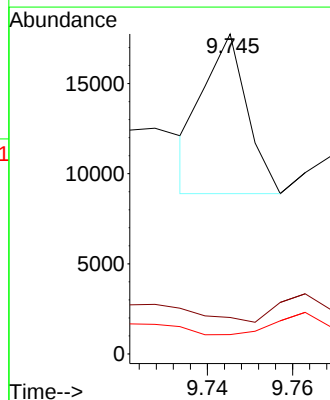
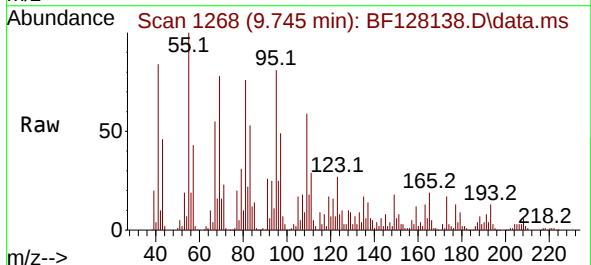
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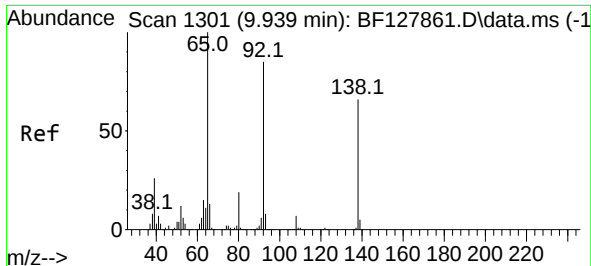
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Ion Ratio Lower Upper  
65 100  
92 176.6 53.7 80.5#  
138 40.3 76.4 114.6#



#51  
2,6-Dinitrotoluene  
Concen: 3.254 ng  
RT: 9.745 min Scan# 1268  
Delta R.T. 0.006 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

Tgt Ion:165 Resp: 6226  
Ion Ratio Lower Upper  
165 100  
63 11.4 49.5 74.3#  
89 6.0 49.0 73.4#

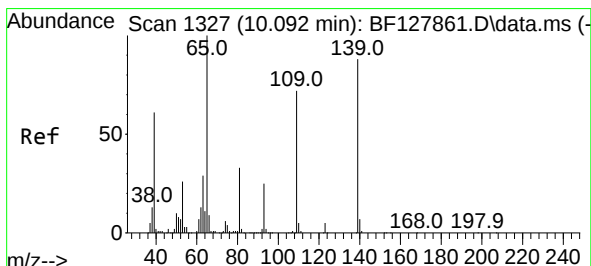
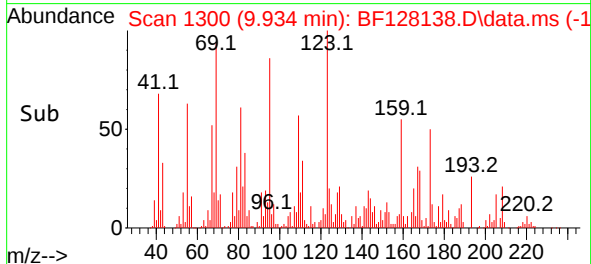
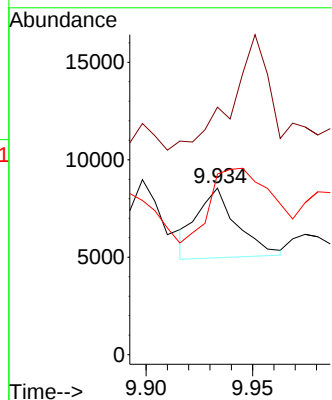
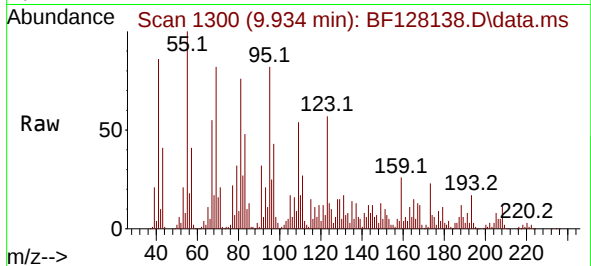




#53  
3-Nitroaniline  
Concen: 2.187 ng  
RT: 9.934 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

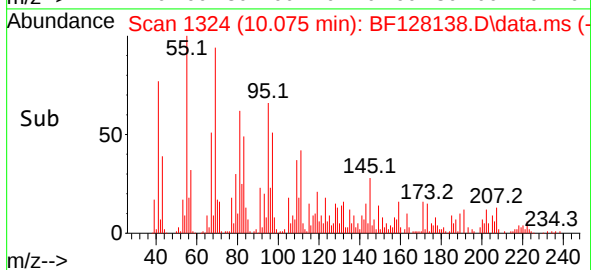
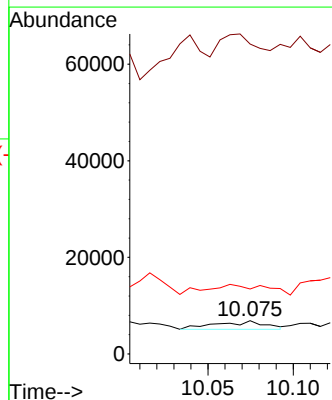
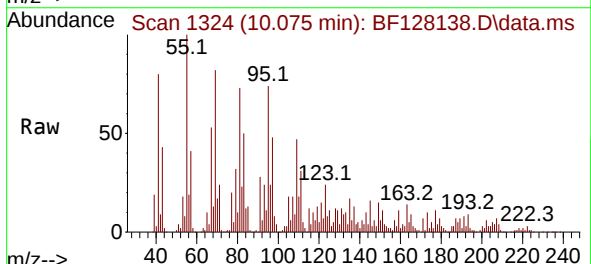
Instrument :  
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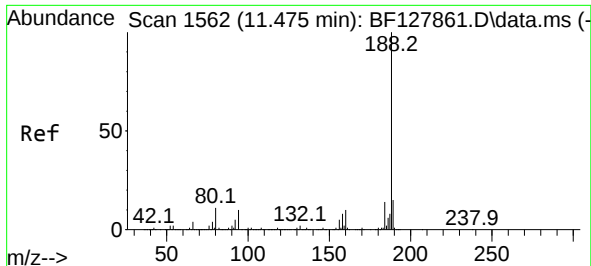
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Ion Ratio Lower Upper  
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108 148.6 8.2 12.4#  
92 108.4 102.7 154.1



#56  
4-Nitrophenol  
Concen: 2.188 ng  
RT: 10.075 min Scan# 1324  
Delta R.T. 0.000 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

Tgt Ion:139 Resp: 3551  
Ion Ratio Lower Upper  
139 100  
109 930.5 61.9 101.9#  
65 194.9 93.5 133.5#

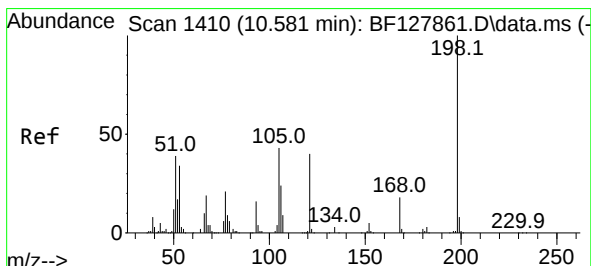
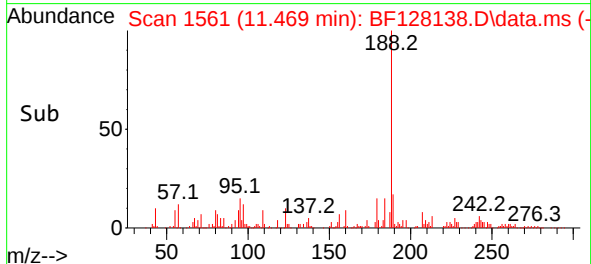
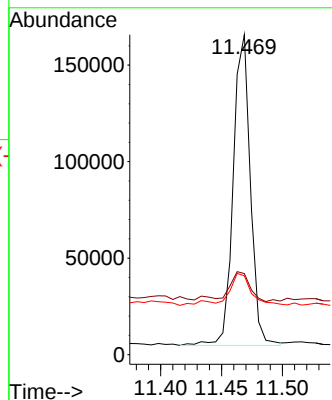
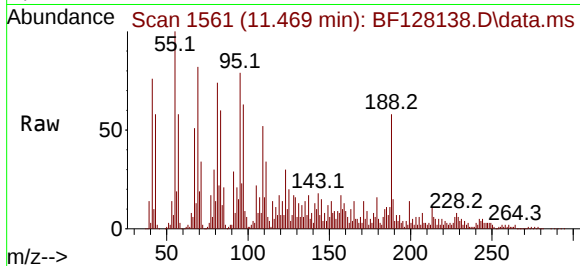




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.469 min Scan# 11  
Delta R.T. 0.024 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

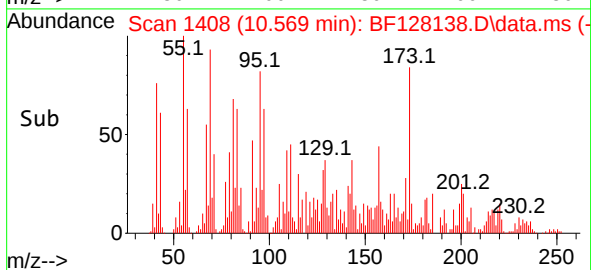
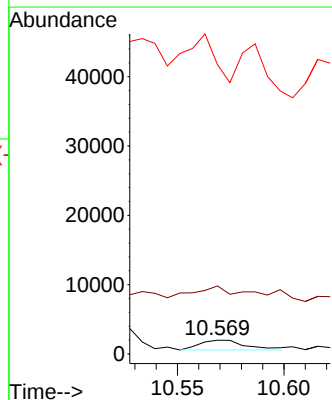
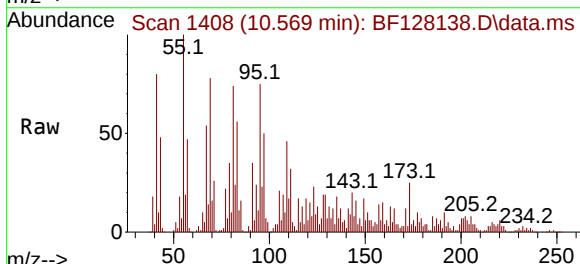
Instrument :  
BNA\_F  
ClientSampleId :  
24702

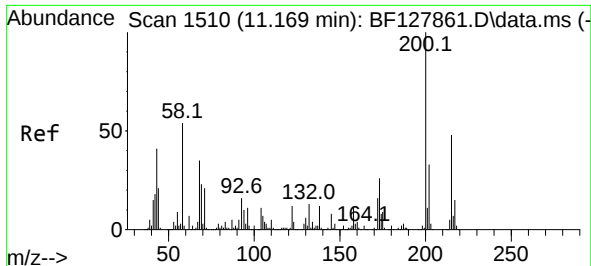
Tgt Ion:188 Resp: 157767  
Ion Ratio Lower Upper  
188 100  
94 25.3 8.0 12.0#  
80 24.7 8.9 13.3#



#65  
4,6-Dinitro-2-methylphenol  
Concen: 2.284 ng  
RT: 10.569 min Scan# 1408  
Delta R.T. 0.012 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

Tgt Ion:198 Resp: 2141  
Ion Ratio Lower Upper  
198 100  
51 493.9 28.4 68.4#  
105 2103.0 23.4 63.4#





#69

Atrazine

Concen: 8.183 ng

RT: 11.157 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF128138.D

Acq: 06 May 2022 21:52

Instrument :

BNA\_F

ClientSampleId :

24702

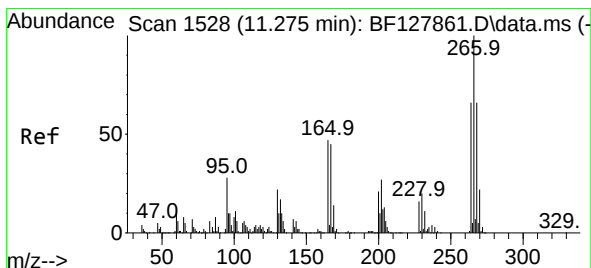
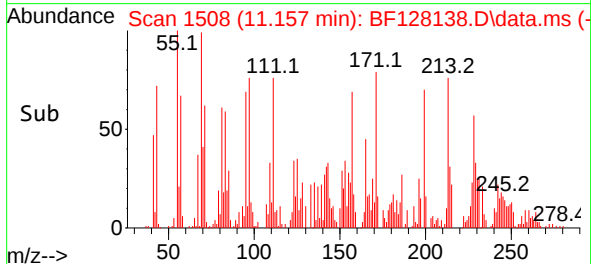
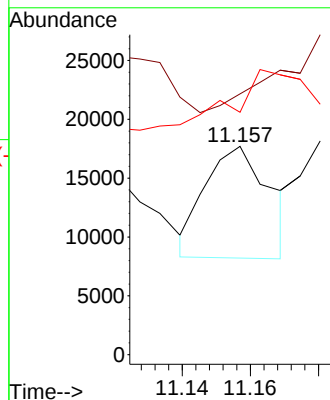
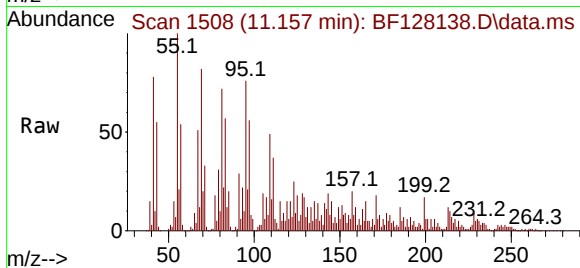
Tgt Ion:200 Resp: 12422

Ion Ratio Lower Upper

200 100

173 125.3 6.0 46.0#

215 116.4 28.1 68.1#



#70

Pentachlorophenol

Concen: 2.802 ng

RT: 11.292 min Scan# 1531

Delta R.T. 0.047 min

Lab File: BF128138.D

Acq: 06 May 2022 21:52

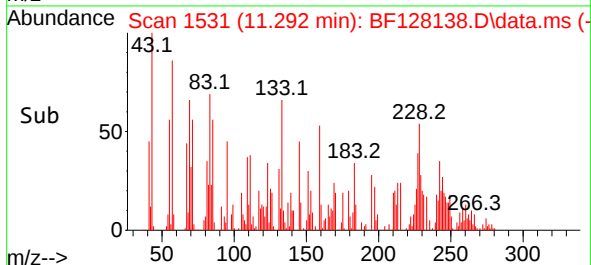
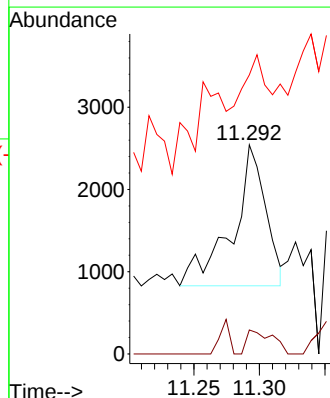
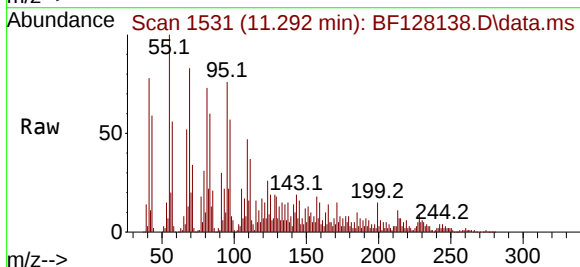
Tgt Ion:266 Resp: 3037

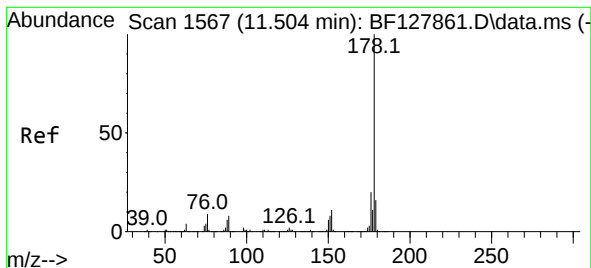
Ion Ratio Lower Upper

266 100

268 11.4 53.0 79.6#

264 133.5 53.1 79.7#





#71

Phenanthrene

Concen: 2.964 ng

RT: 11.492 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF128138.D

Acq: 06 May 2022 21:52

Instrument :

BNA\_F

ClientSampleId :

24702

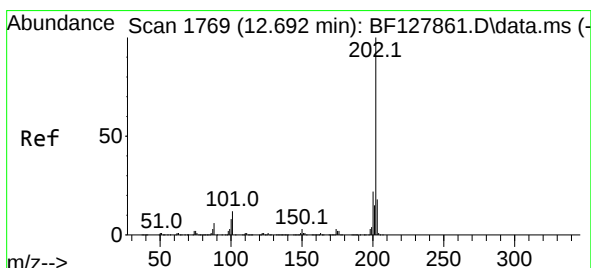
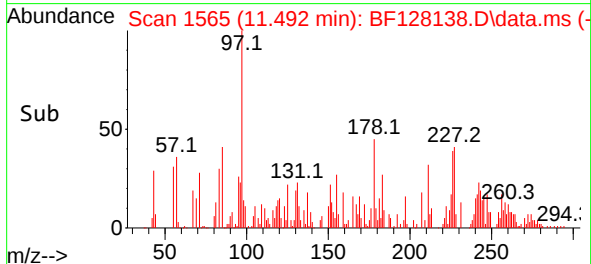
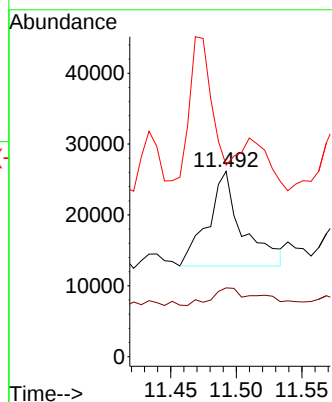
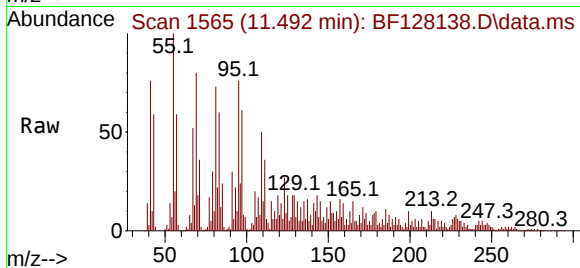
Tgt Ion:178 Resp: 24476

Ion Ratio Lower Upper

178 100

176 37.2 15.7 23.5#

179 103.4 12.6 19.0#



#75

Fluoranthene

Concen: 3.602 ng

RT: 12.686 min Scan# 1768

Delta R.T. 0.024 min

Lab File: BF128138.D

Acq: 06 May 2022 21:52

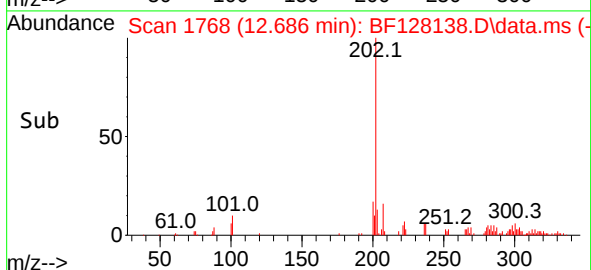
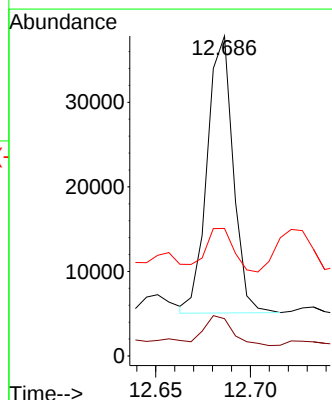
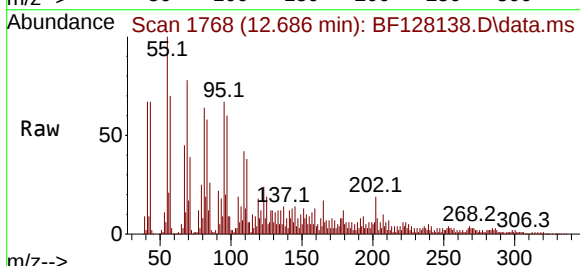
Tgt Ion:202 Resp: 31307

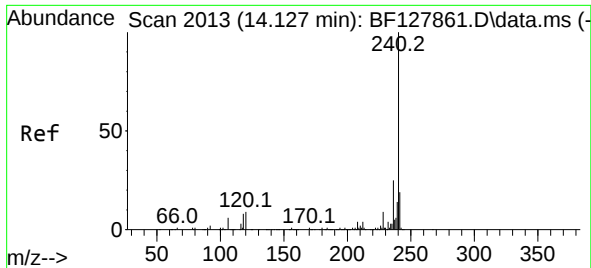
Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.6

203 39.8 0.0 38.1#

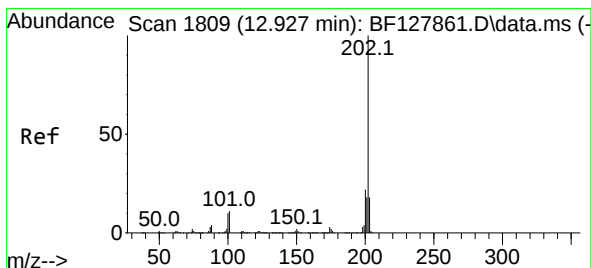
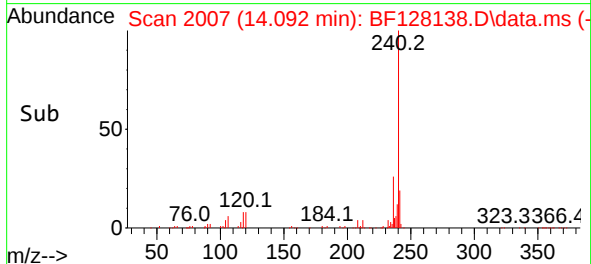
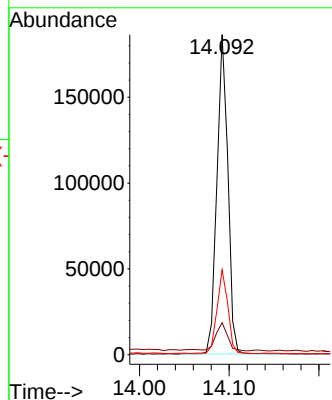
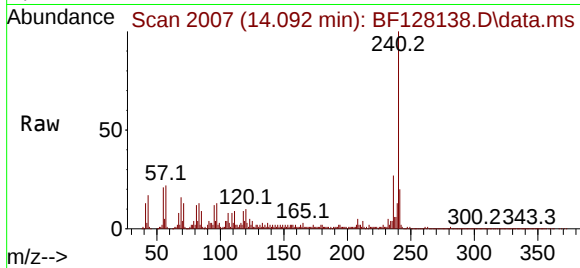




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.092 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

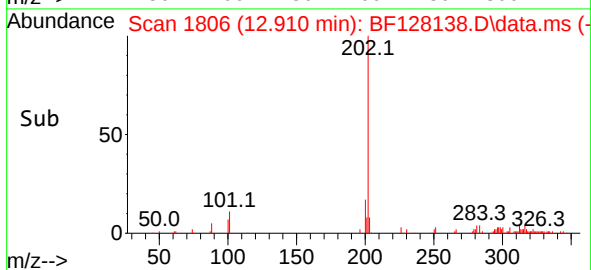
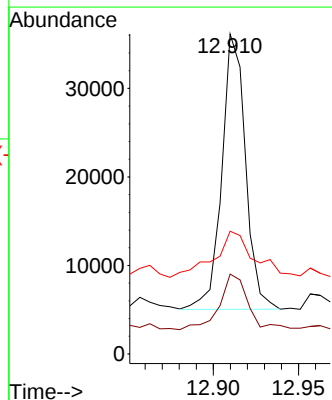
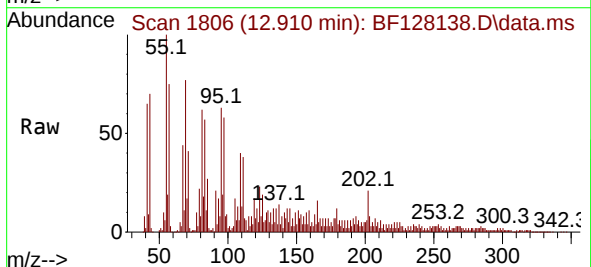
Instrument :  
BNA\_F  
ClientSampleId :  
24702

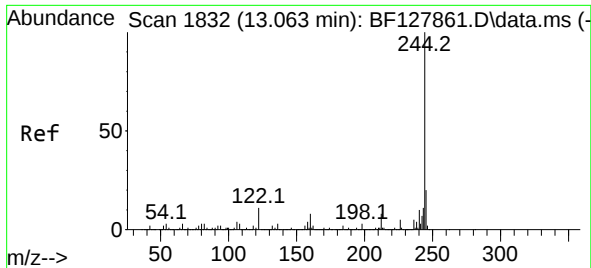
Tgt Ion:240 Resp: 158172  
Ion Ratio Lower Upper  
240 100  
120 10.0 7.0 10.6  
236 26.5 20.3 30.5



#78  
Pyrene  
Concen: 2.360 ng  
RT: 12.910 min Scan# 1806  
Delta R.T. 0.018 min  
Lab File: BF128138.D  
Acq: 06 May 2022 21:52

Tgt Ion:202 Resp: 30133  
Ion Ratio Lower Upper  
202 100  
200 24.9 17.4 26.2  
203 38.4 14.0 21.0#

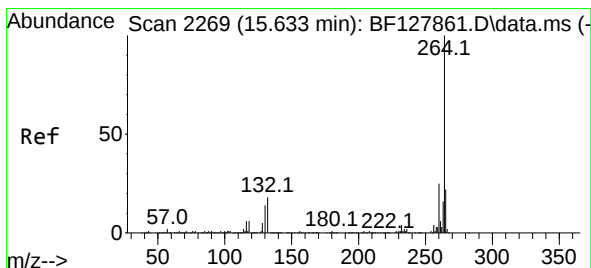
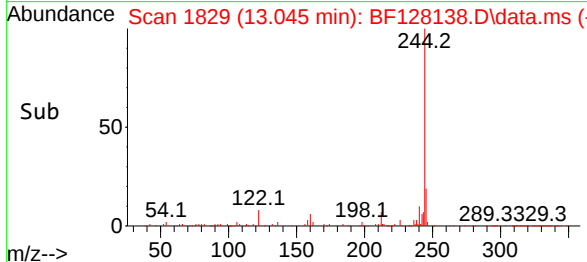
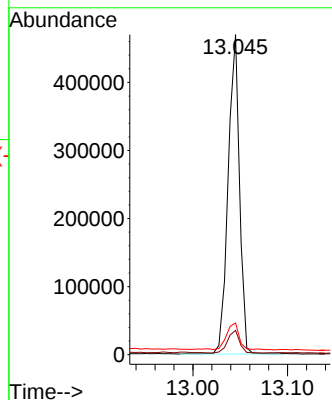
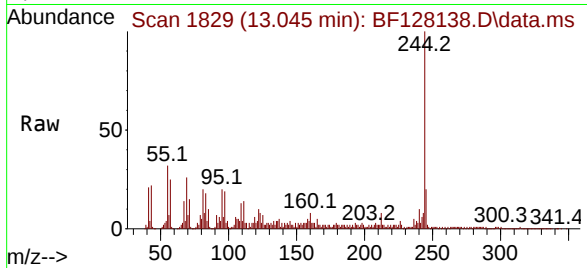




#79  
 Terphenyl-d14  
 Concen: 45.432 ng  
 RT: 13.045 min Scan# 1829  
 Delta R.T. 0.012 min  
 Lab File: BF128138.D  
 Acq: 06 May 2022 21:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 24702

Tgt Ion:244 Resp: 392994  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.2 9.4  
 122 9.9 8.6 12.8



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.586 min Scan# 2261  
 Delta R.T. -0.006 min  
 Lab File: BF128138.D  
 Acq: 06 May 2022 21:52

Tgt Ion:264 Resp: 177956  
 Ion Ratio Lower Upper  
 264 100  
 260 22.7 20.1 30.1  
 265 21.0 17.5 26.3

