

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060622\  
 Data File : BF128700.D  
 Acq On : 06 Jun 2022 16:59  
 Operator : CG\JU  
 Sample : N3186-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-218

Quant Time: Jun 07 02:42:54 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 02 17:07:23 2022  
 Response via : Initial Calibration

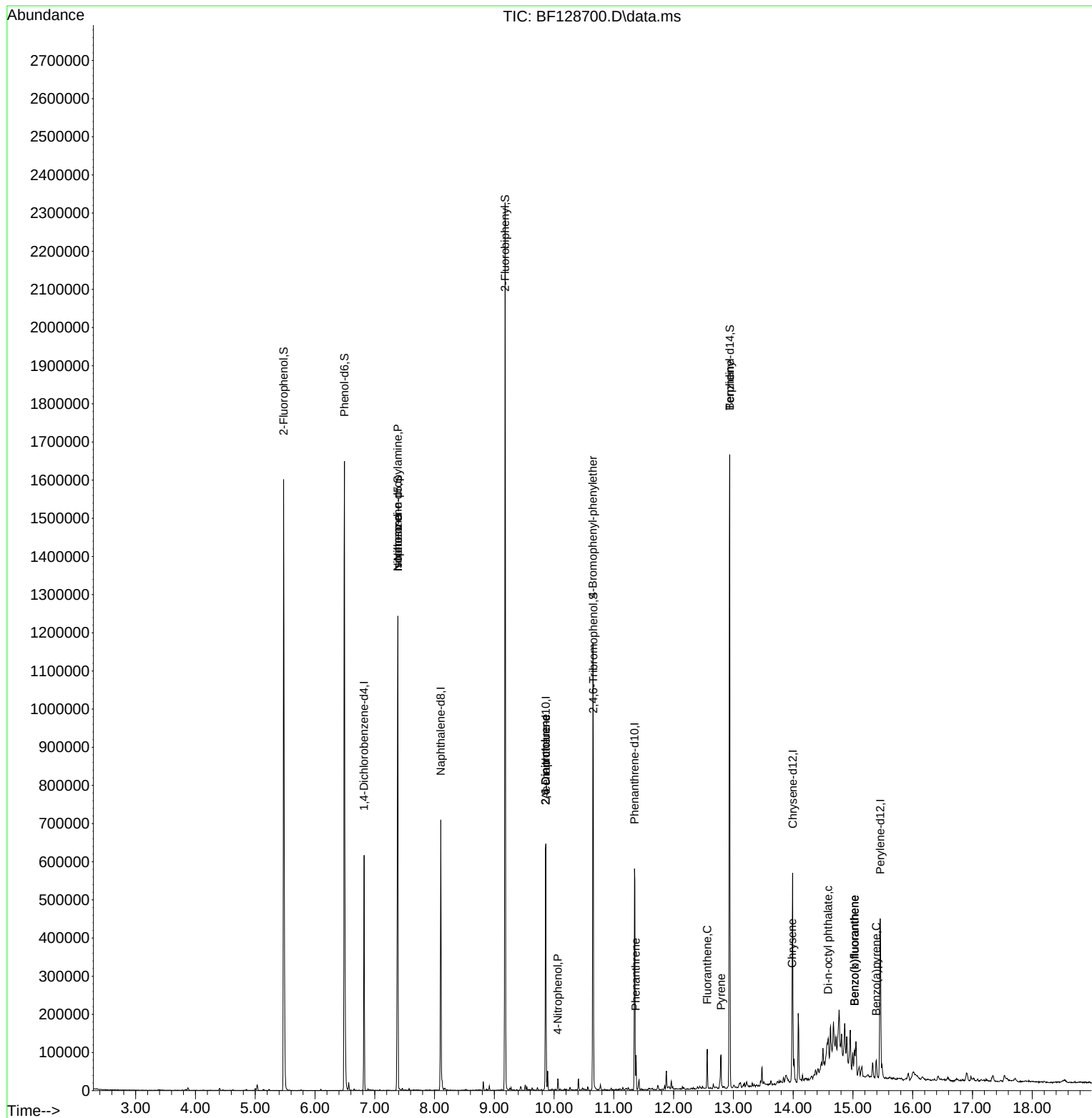
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 70577    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 258705   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.863  | 164  | 134494   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 212998   | 20.000 | ng    | #-0.01   |
| 76) Chrysene-d12              | 13.992 | 240  | 168417   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.457 | 264  | 182397   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 385193   | 86.933 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.492  | 99   | 481700   | 89.060 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.387  | 82   | 355269   | 63.937 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 119700   | 75.325 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 625707   | 65.170 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.939 | 244  | 536086   | 55.310 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.387  | 70   | 50956    | 15.152 | ng    | # 81     |
| 25) Isophorone                | 7.387  | 82   | 354526   | 42.010 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 17876    | 9.838  | ng    | # 26     |
| 56) 4-Nitrophenol             | 10.063 | 139  | 3919     | 2.742  | ng    | # 8      |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 17876    | 7.372  | ng    | # 22     |
| 67) 4-Bromophenyl-phenylether | 10.651 | 248  | 8288     | 3.489  | ng    | # 1      |
| 71) Phenanthrene              | 11.369 | 178  | 29294    | 2.742  | ng    | 97       |
| 75) Fluoranthene              | 12.563 | 202  | 38204    | 3.421  | ng    | 94       |
| 77) Benzidine                 | 12.939 | 184  | 8937     | 2.662  | ng    | # 93     |
| 78) Pyrene                    | 12.792 | 202  | 35740    | 2.852  | ng    | 99       |
| 83) Chrysene                  | 13.980 | 228  | 20423    | 2.041  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.586 | 149  | 46892    | 4.551  | ng    | # 45     |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 46442    | 3.985  | ng    | 96       |
| 89) Benzo(k)fluoranthene      | 15.027 | 252  | 46442    | 4.236  | ng    | 97       |
| 90) Benzo(a)pyrene            | 15.392 | 252  | 23425    | 2.557  | ng    | 96       |
| -----                         |        |      |          |        |       |          |

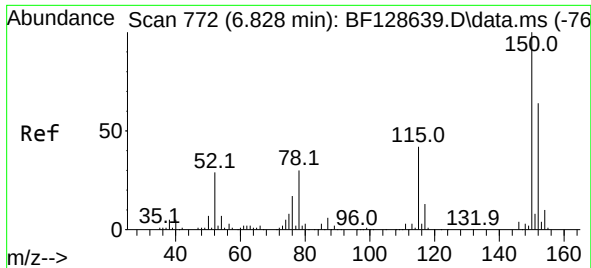
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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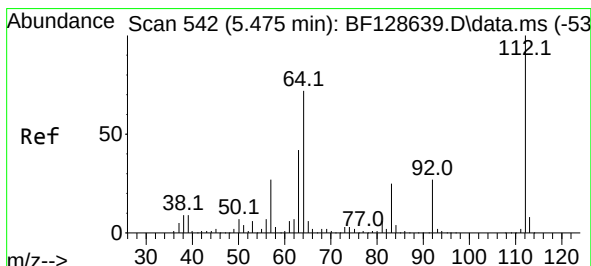
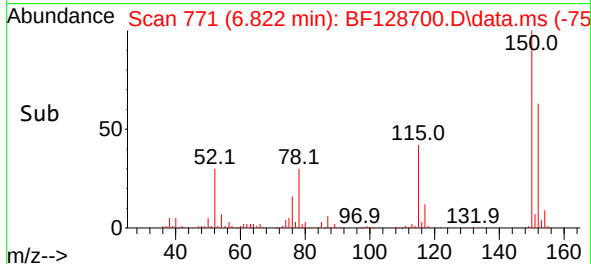
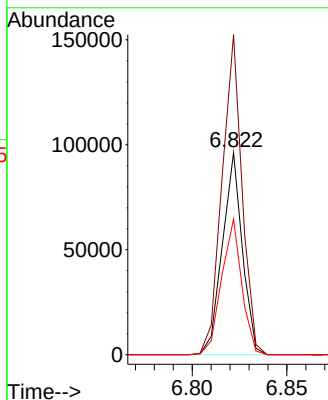
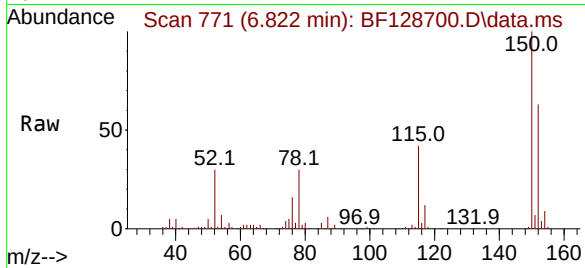




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

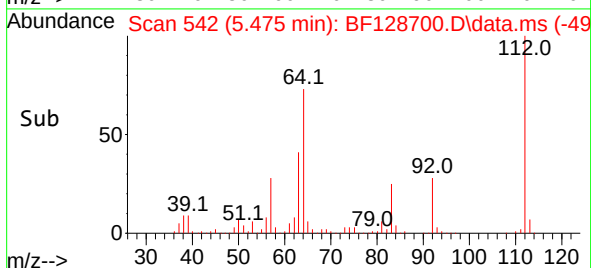
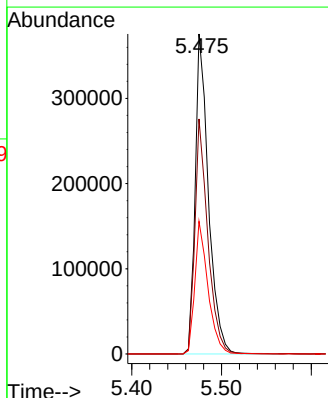
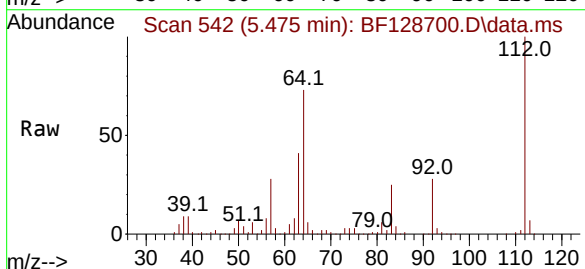
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-218

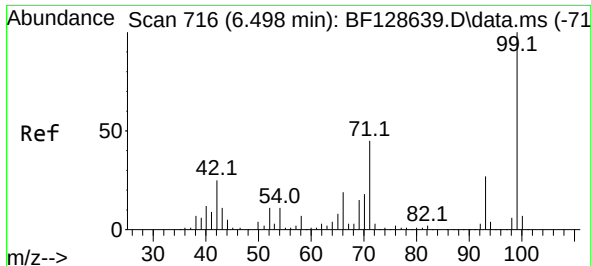
Tgt Ion:152 Resp: 70577  
Ion Ratio Lower Upper  
152 100  
150 158.2 123.7 185.5  
115 67.1 49.9 74.9



#5  
2-Fluorophenol  
Concen: 86.933 ng  
RT: 5.475 min Scan# 542  
Delta R.T. -0.000 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

Tgt Ion:112 Resp: 385193  
Ion Ratio Lower Upper  
112 100  
64 73.4 53.3 79.9  
63 41.5 28.0 42.0

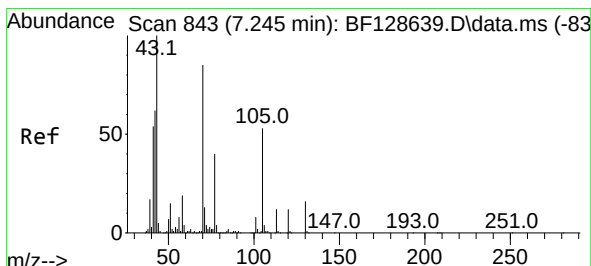
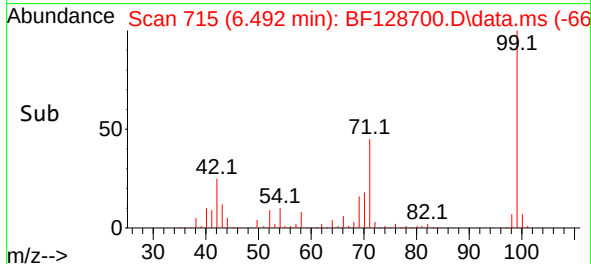
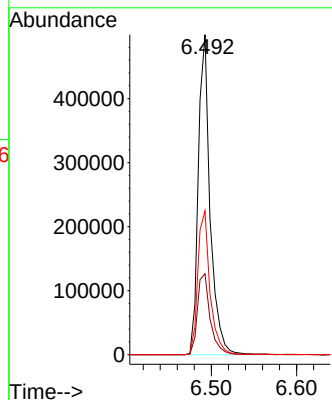
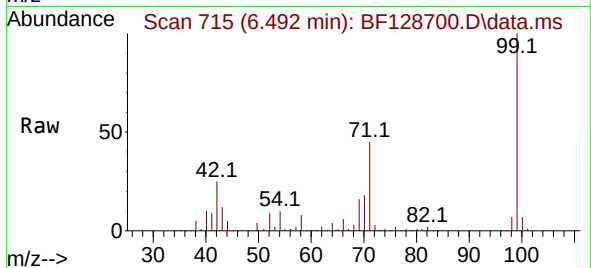




#7  
Phenol-d6  
Concen: 89.060 ng  
RT: 6.492 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

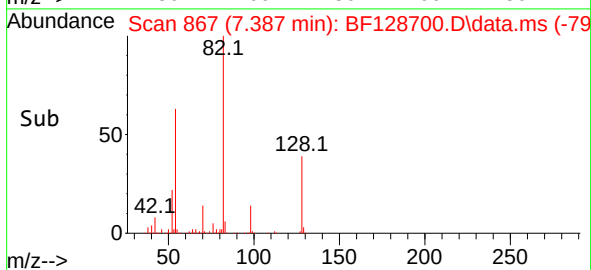
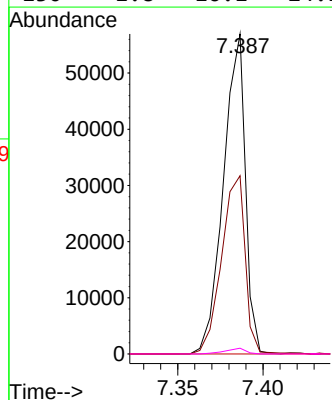
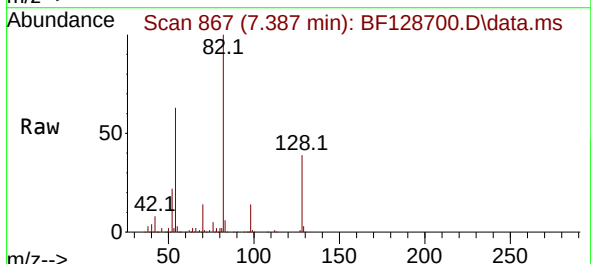
Instrument :  
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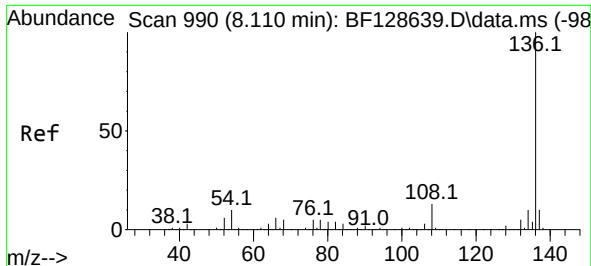
Tgt Ion: 99 Resp: 481700  
Ion Ratio Lower Upper  
99 100  
42 25.3 17.3 25.9  
71 44.9 28.9 43.3#



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.152 ng  
RT: 7.387 min Scan# 867  
Delta R.T. 0.141 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

Tgt Ion: 70 Resp: 50956  
Ion Ratio Lower Upper  
70 100  
42 55.7 52.3 78.5  
101 0.0 7.5 11.3#  
130 1.8 16.1 24.1#

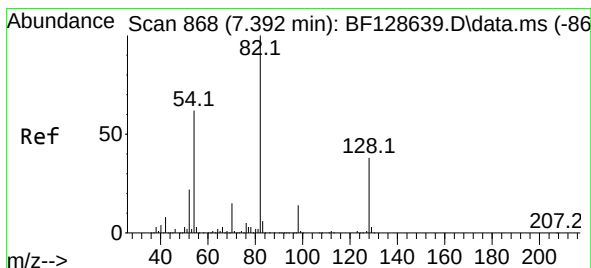
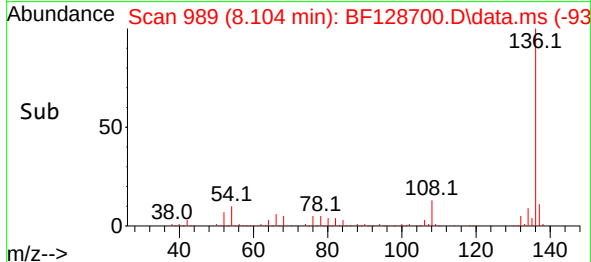
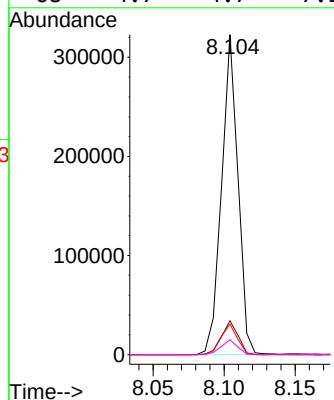
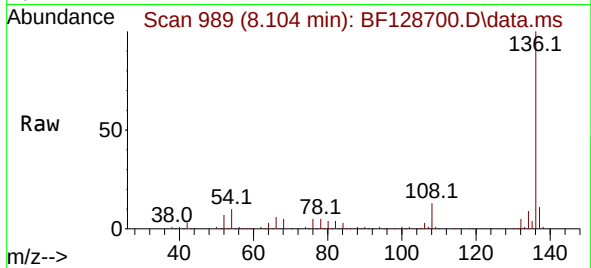




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

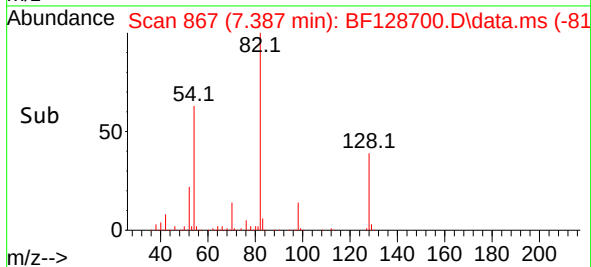
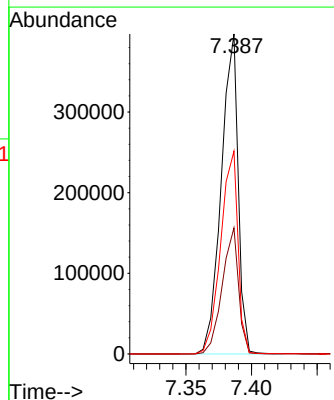
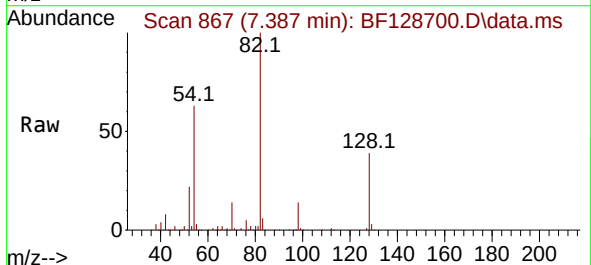
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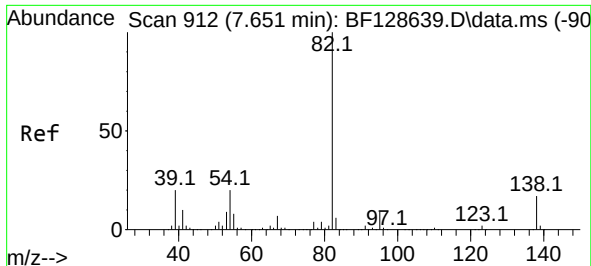
Tgt Ion:136 Resp: 258705  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.8 13.2  
54 9.6 7.5 11.3  
68 4.7 4.7 7.1#



#23  
Nitrobenzene-d5  
Concen: 63.937 ng  
RT: 7.387 min Scan# 867  
Delta R.T. -0.005 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

Tgt Ion: 82 Resp: 355269  
Ion Ratio Lower Upper  
82 100  
128 39.4 34.0 51.0  
54 63.4 46.9 70.3

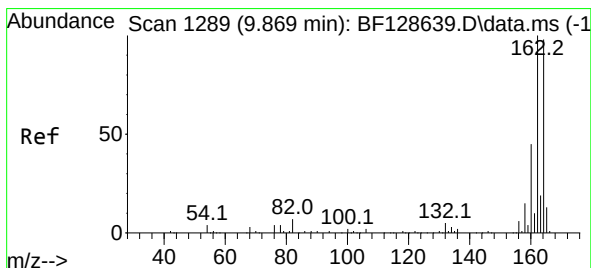
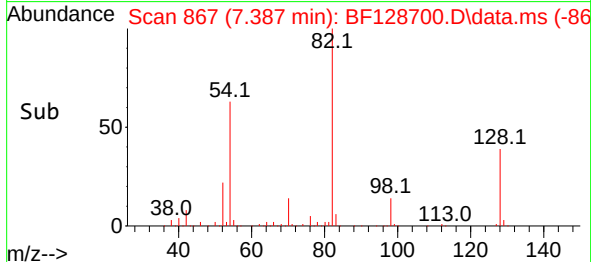
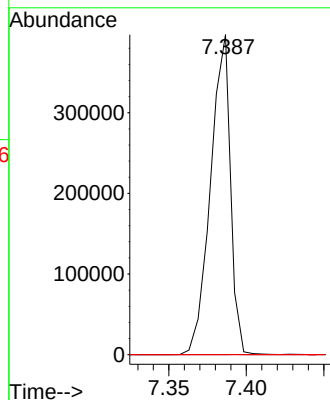
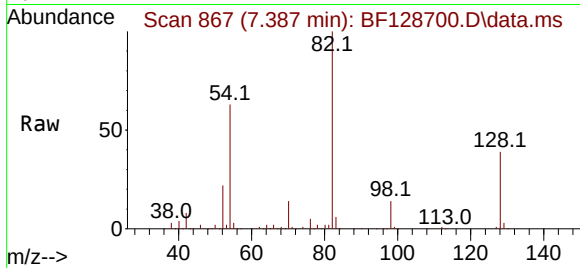




#25  
Isophorone  
Concen: 42.010 ng  
RT: 7.387 min Scan# 80  
Delta R.T. -0.265 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

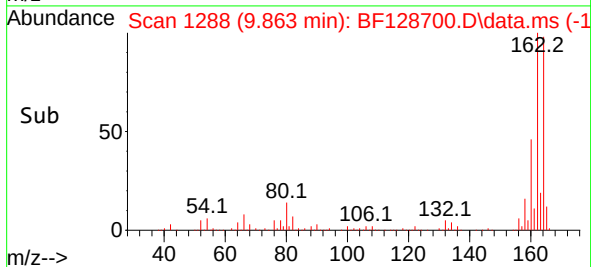
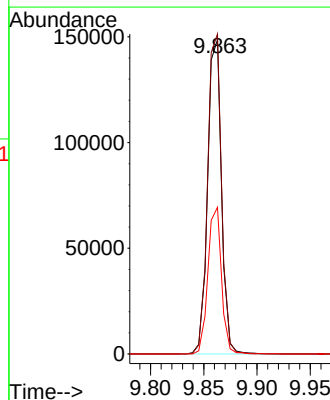
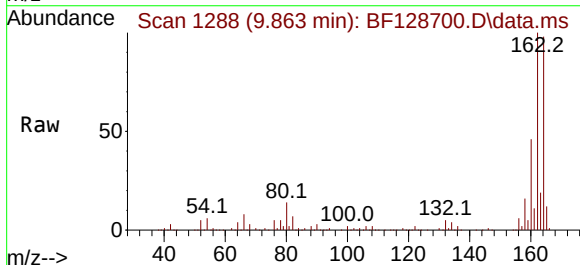
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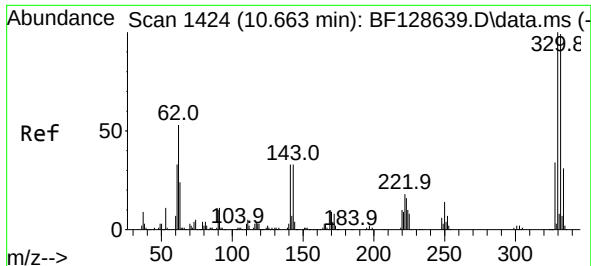
Tgt Ion: 82 Resp: 354526  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.863 min Scan# 1288  
Delta R.T. -0.006 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

Tgt Ion:164 Resp: 134494  
Ion Ratio Lower Upper  
164 100  
162 101.8 79.5 119.3  
160 46.7 34.2 51.4

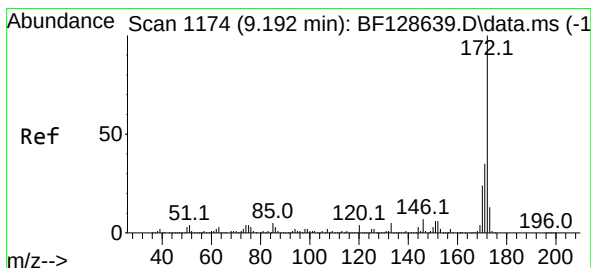
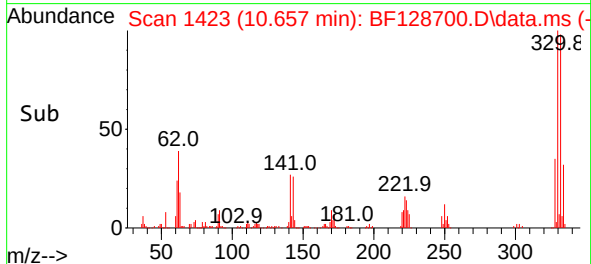
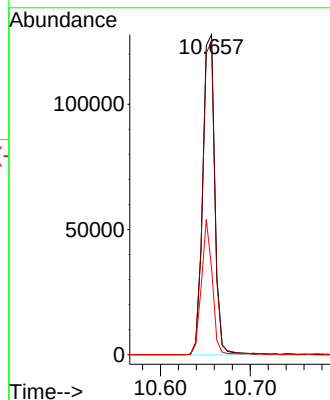
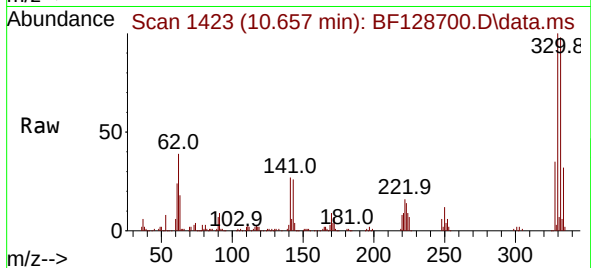




#42  
2,4,6-Tribromophenol  
Concen: 75.325 ng  
RT: 10.657 min Scan# 1423  
Delta R.T. -0.006 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

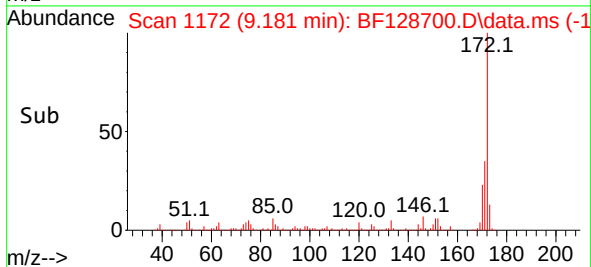
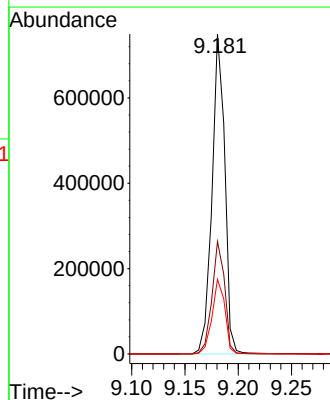
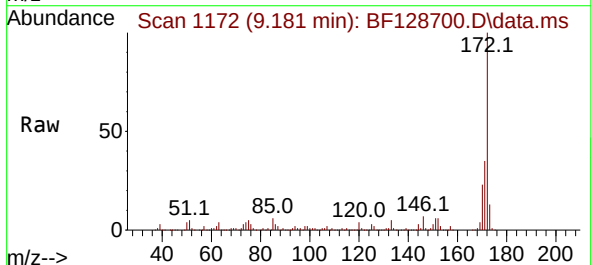
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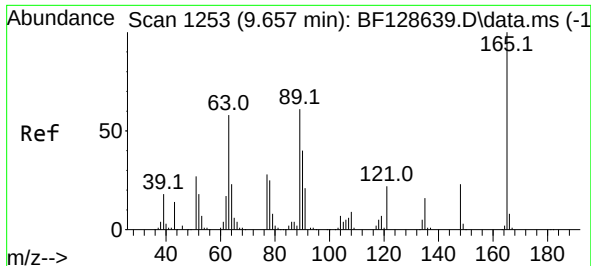
Tgt Ion:330 Resp: 119700  
Ion Ratio Lower Upper  
330 100  
332 98.1 76.8 115.2  
141 38.0 28.0 42.0



#45  
2-Fluorobiphenyl  
Concen: 65.170 ng  
RT: 9.181 min Scan# 1172  
Delta R.T. -0.011 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

Tgt Ion:172 Resp: 625707  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.8 43.2  
170 23.4 19.8 29.8

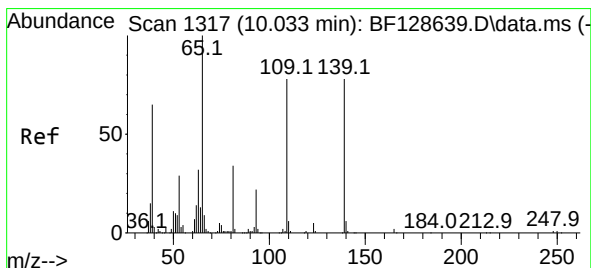
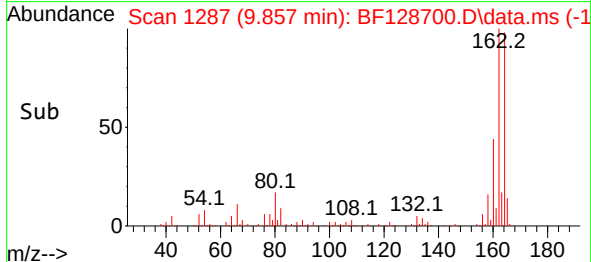
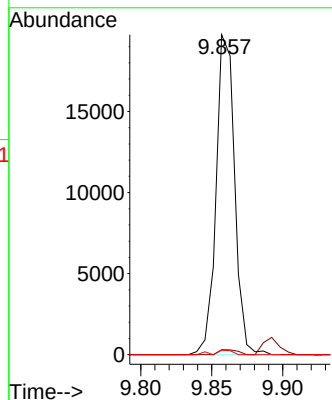
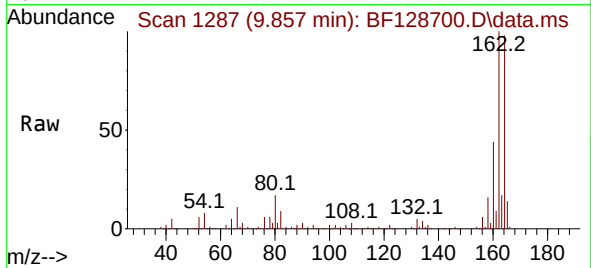




#51  
2,6-Dinitrotoluene  
Concen: 9.838 ng  
RT: 9.857 min Scan# 11  
Delta R.T. 0.200 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

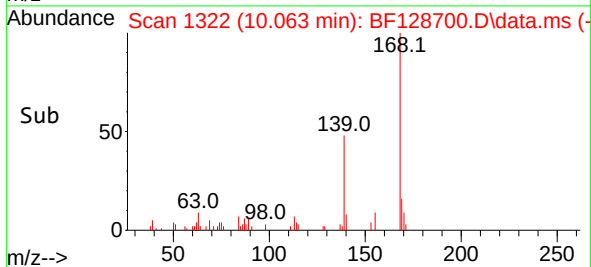
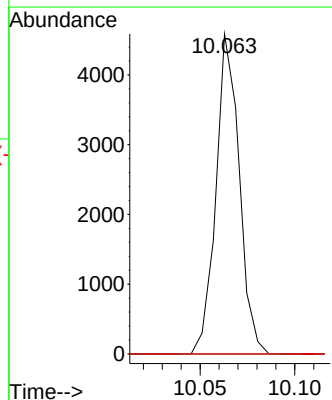
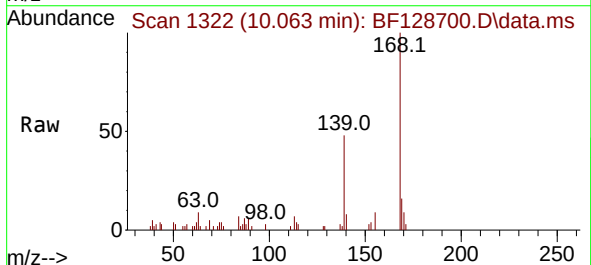
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Tgt Ion:165 Resp: 17876  
Ion Ratio Lower Upper  
165 100  
63 1.6 44.9 67.3#  
89 1.4 43.6 65.4#

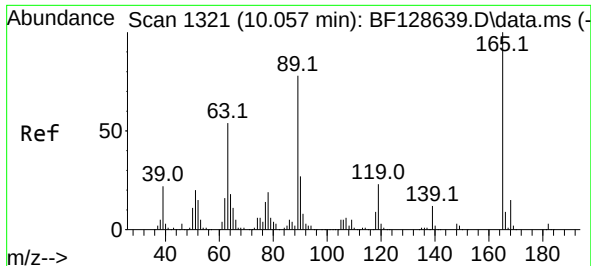


#56  
4-Nitrophenol  
Concen: 2.742 ng  
RT: 10.063 min Scan# 1322  
Delta R.T. 0.029 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

Tgt Ion:139 Resp: 3919  
Ion Ratio Lower Upper  
139 100  
109 0.0 50.7 90.7#  
65 0.0 74.5 114.5#



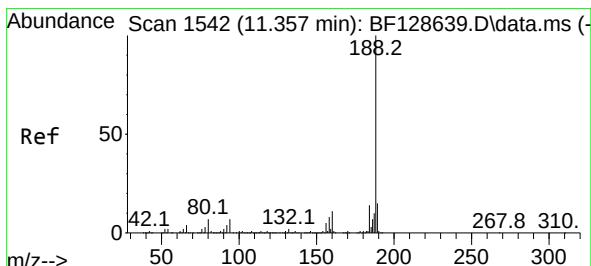
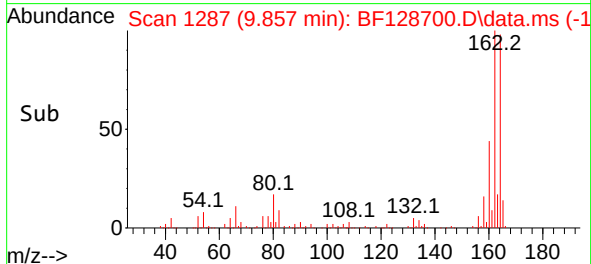
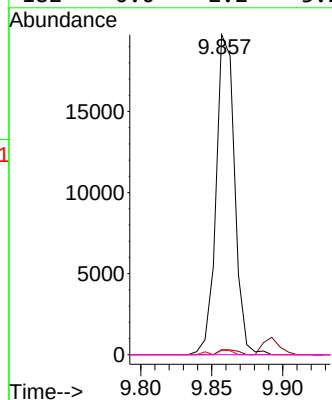
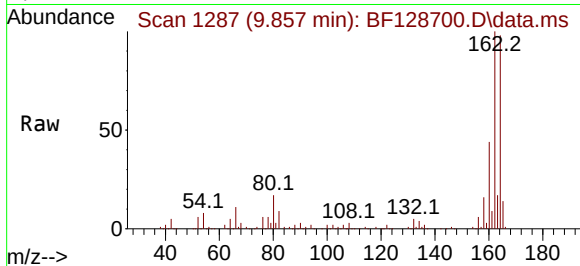




#57  
2,4-Dinitrotoluene  
Concen: 7.372 ng  
RT: 9.857 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

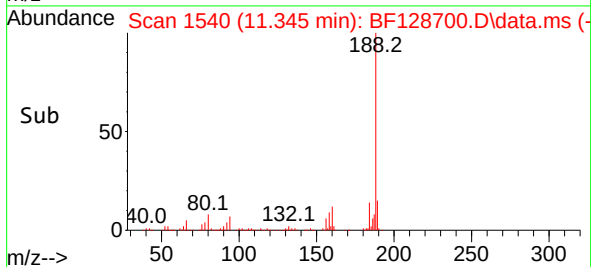
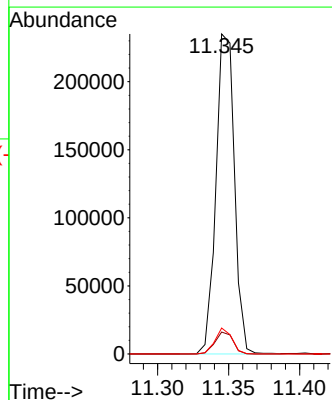
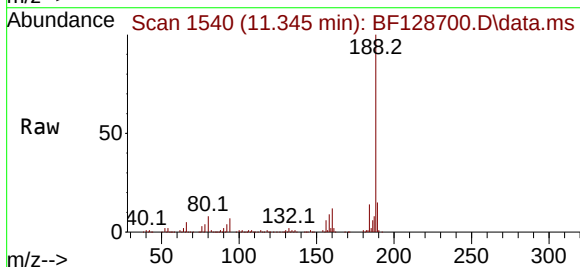
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-218

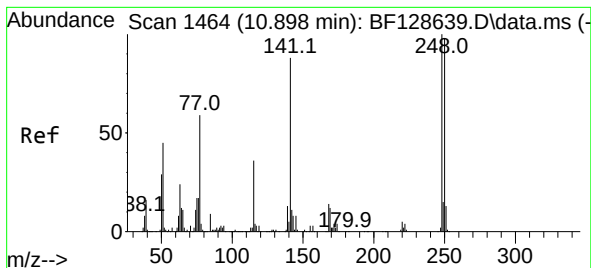
Tgt Ion:165 Resp: 17876  
Ion Ratio Lower Upper  
165 100  
63 1.6 39.8 59.6#  
89 1.4 60.2 90.2#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 1540  
Delta R.T. -0.012 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

Tgt Ion:188 Resp: 212998  
Ion Ratio Lower Upper  
188 100  
94 6.9 7.0 10.6#  
80 8.1 7.6 11.4

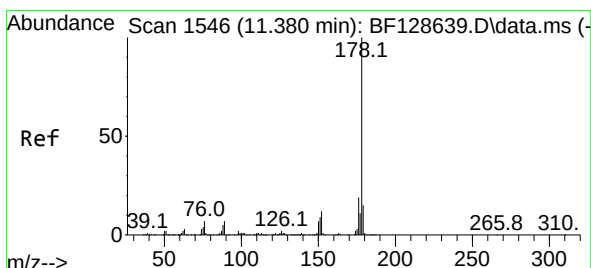
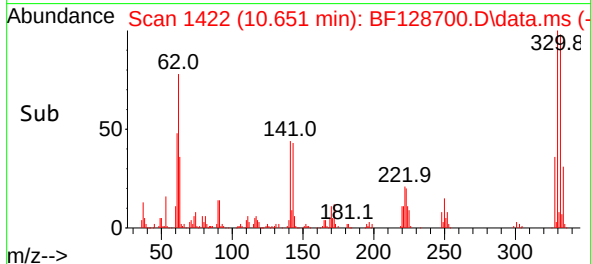
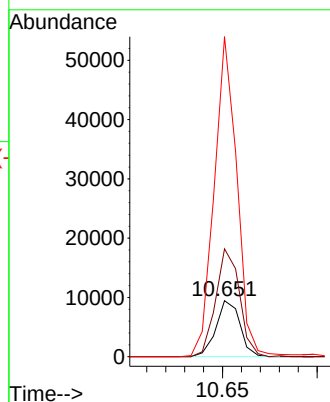
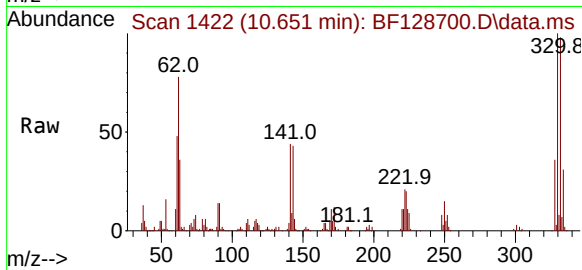




#67  
4-Bromophenyl-phenylether  
Concen: 3.489 ng  
RT: 10.651 min Scan# 1464  
Delta R.T. -0.247 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

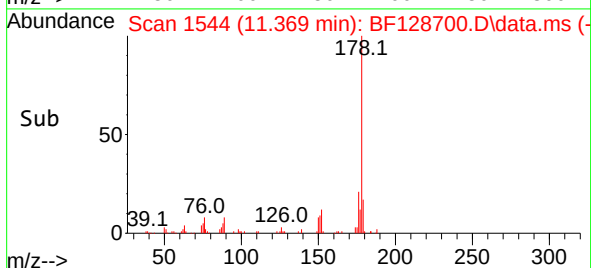
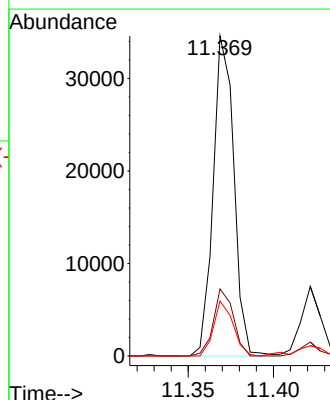
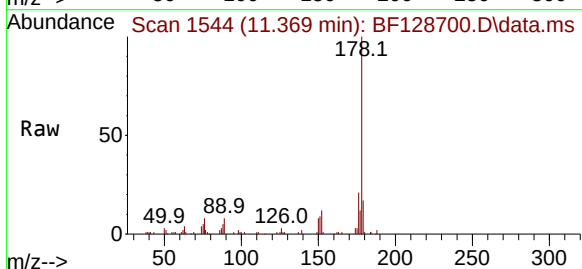
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-218

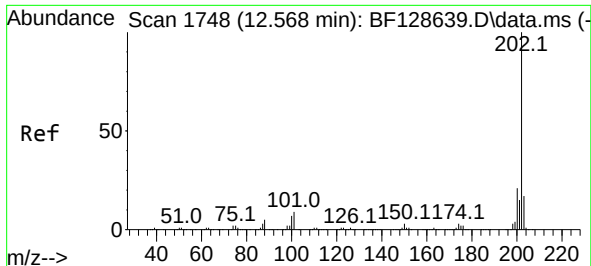
Tgt Ion:248 Resp: 8288  
Ion Ratio Lower Upper  
248 100  
250 192.3 80.6 120.8#  
141 570.7 58.9 88.3#



#71  
Phenanthrene  
Concen: 2.742 ng  
RT: 11.369 min Scan# 1544  
Delta R.T. -0.012 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

Tgt Ion:178 Resp: 29294  
Ion Ratio Lower Upper  
178 100  
176 20.9 16.0 24.0  
179 17.2 12.6 19.0

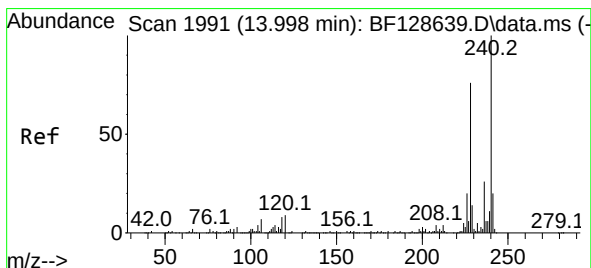
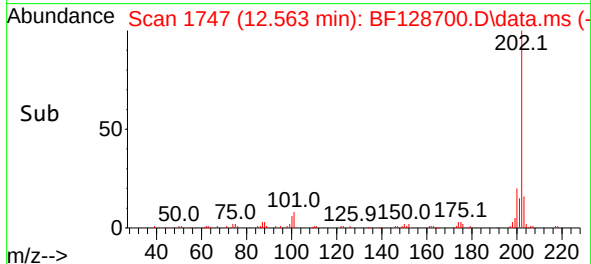
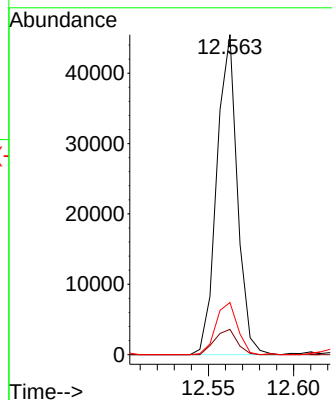
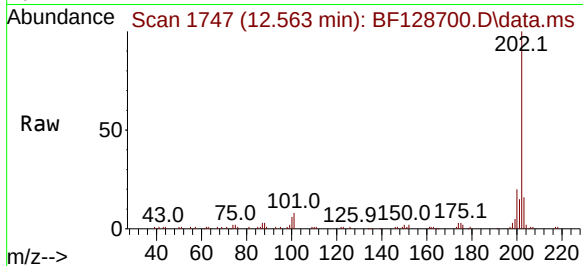




#75  
Fluoranthene  
Concen: 3.421 ng  
RT: 12.563 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

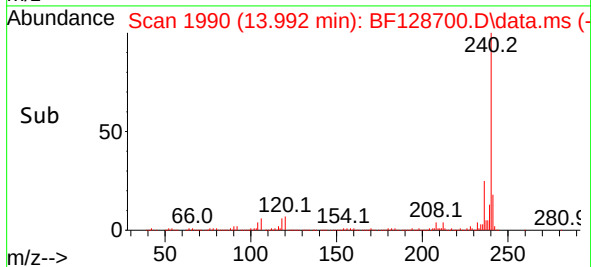
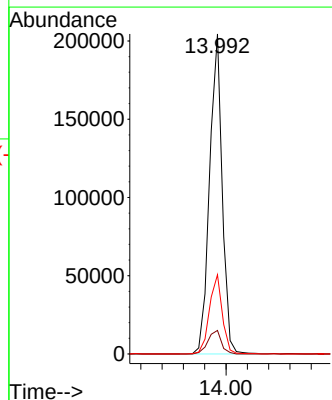
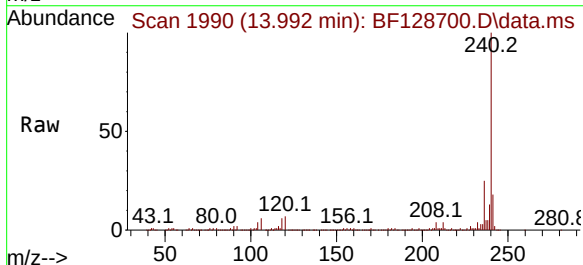
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-218

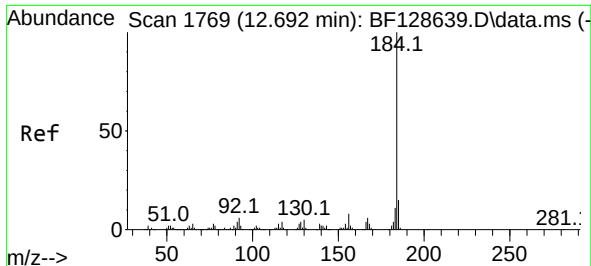
Tgt Ion:202 Resp: 38204  
Ion Ratio Lower Upper  
202 100  
101 7.9 0.0 31.4  
203 16.3 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.992 min Scan# 1990  
Delta R.T. -0.006 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

Tgt Ion:240 Resp: 168417  
Ion Ratio Lower Upper  
240 100  
120 7.4 8.9 13.3#  
236 24.7 20.8 31.2

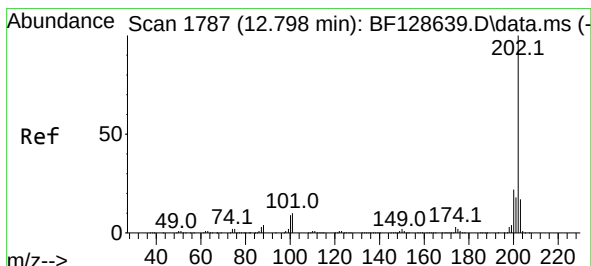
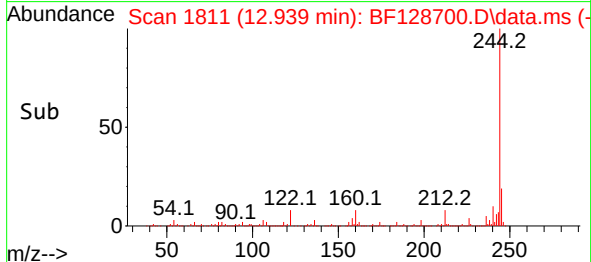
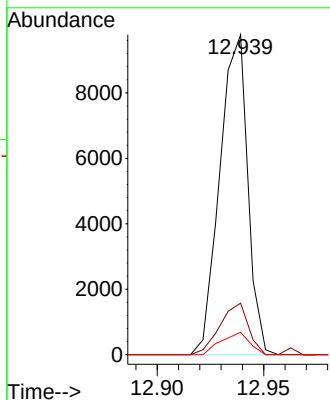
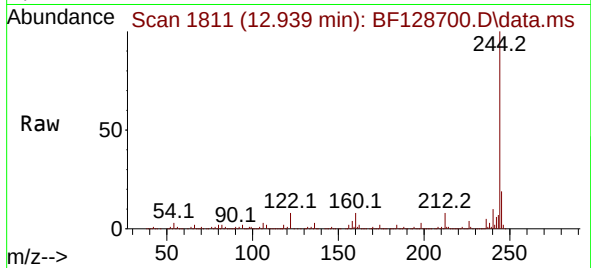




#77  
Benzidine  
Concen: 2.662 ng  
RT: 12.939 min Scan# 1811  
Delta R.T. 0.247 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

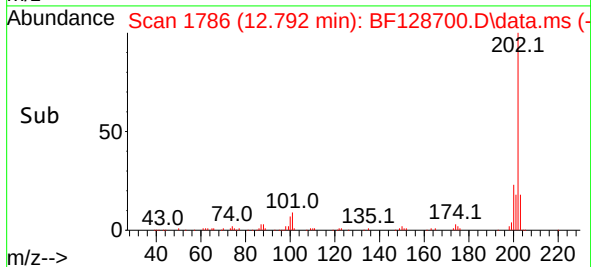
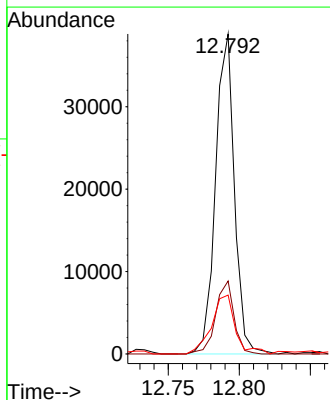
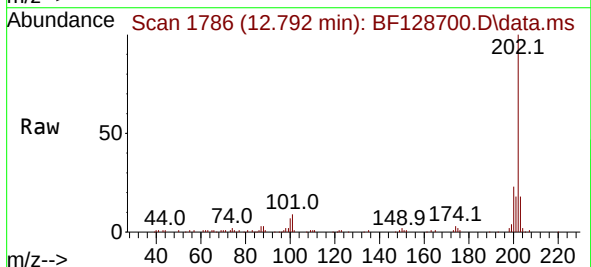
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-218

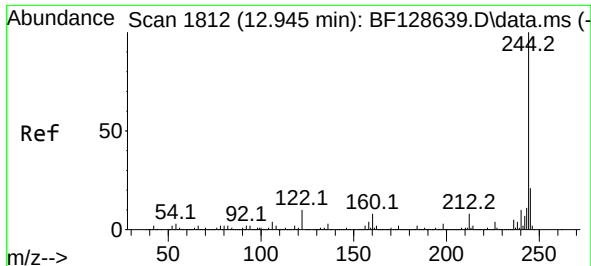
Tgt Ion:184 Resp: 8937  
Ion Ratio Lower Upper  
184 100  
185 16.1 11.9 17.9  
183 7.0 9.3 13.9#



#78  
Pyrene  
Concen: 2.852 ng  
RT: 12.792 min Scan# 1786  
Delta R.T. -0.006 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

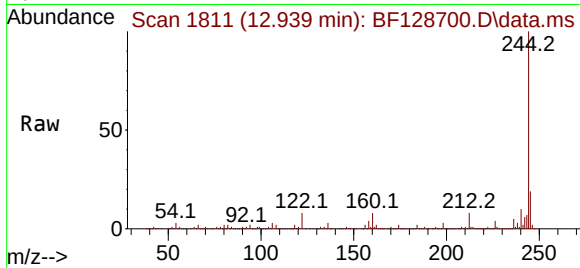
Tgt Ion:202 Resp: 35740  
Ion Ratio Lower Upper  
202 100  
200 22.8 17.7 26.5  
203 18.4 14.6 21.8



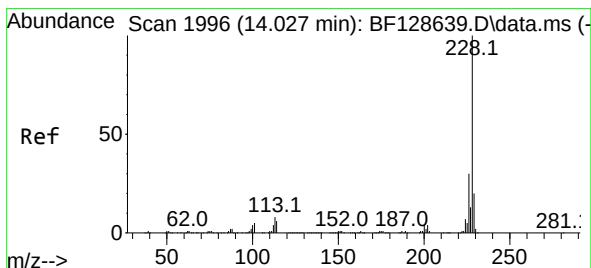
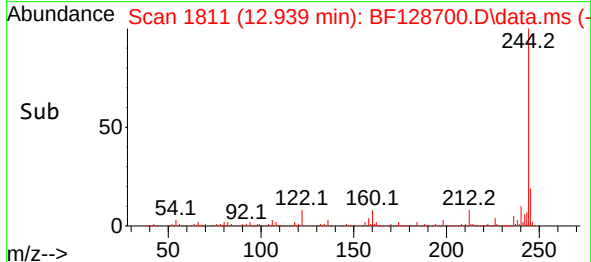
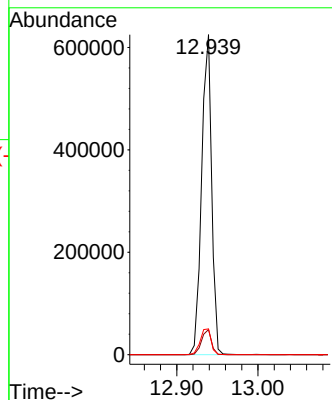


#79  
 Terphenyl-d14  
 Concen: 55.310 ng  
 RT: 12.939 min Scan# 1811  
 Delta R.T. -0.006 min  
 Lab File: BF128700.D  
 Acq: 06 Jun 2022 16:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-218

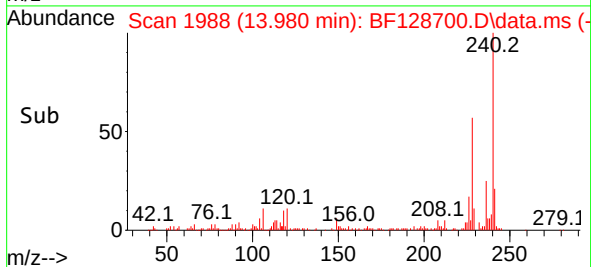
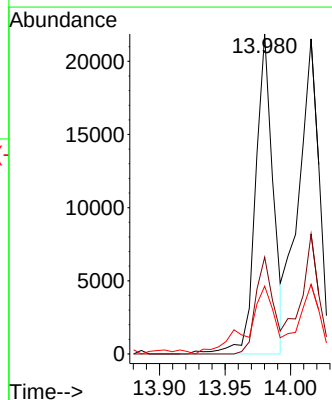
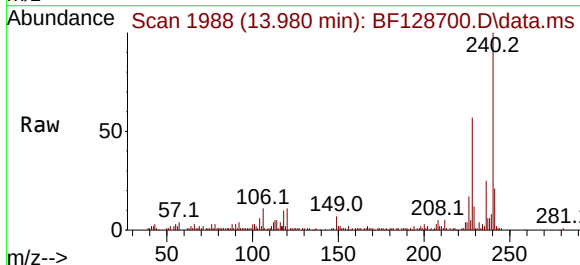


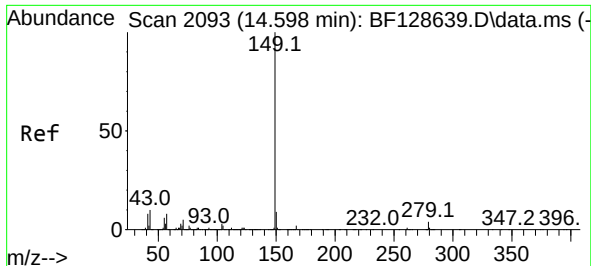
Tgt Ion:244 Resp: 536086  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.1 9.1  
 122 8.1 8.8 13.2#



#83  
 Chrysene  
 Concen: 2.041 ng  
 RT: 13.980 min Scan# 1988  
 Delta R.T. -0.047 min  
 Lab File: BF128700.D  
 Acq: 06 Jun 2022 16:59

Tgt Ion:228 Resp: 20423  
 Ion Ratio Lower Upper  
 228 100  
 226 30.3 24.3 36.5  
 229 21.2 15.9 23.9

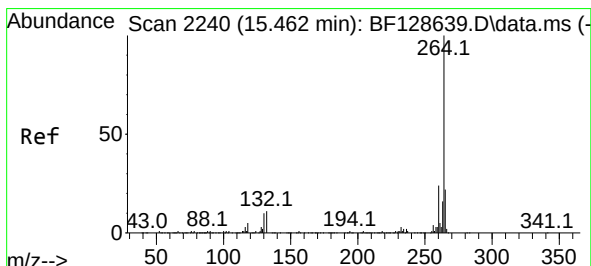
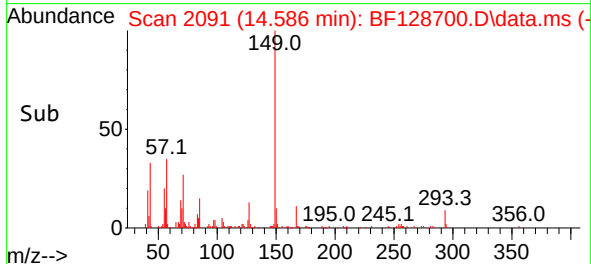
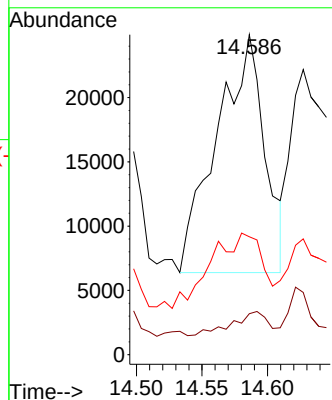
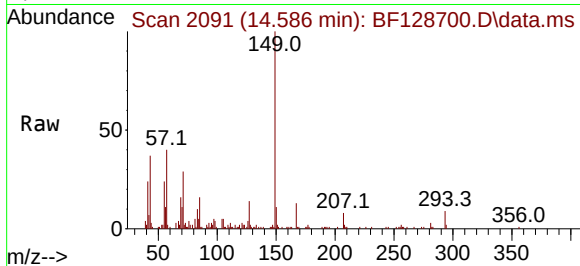




#85  
Di-n-octyl phthalate  
Concen: 4.551 ng  
RT: 14.586 min Scan# 2093  
Delta R.T. -0.012 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

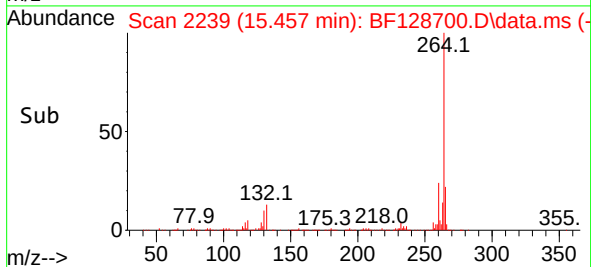
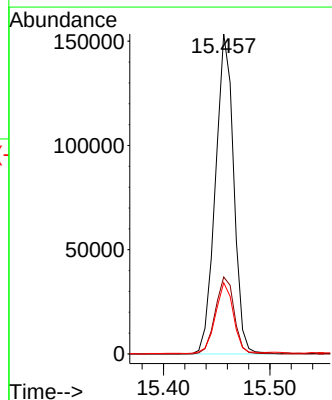
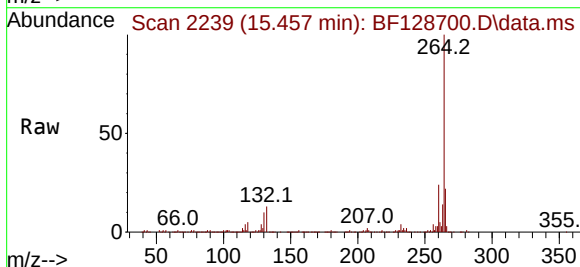
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-218

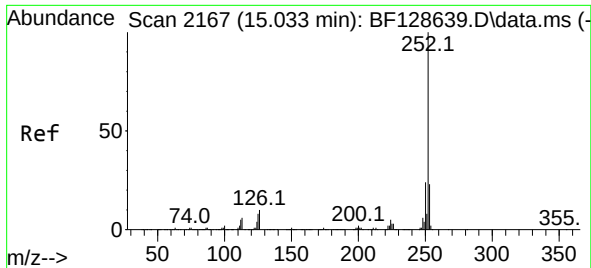
Tgt Ion:149 Resp: 46892  
Ion Ratio Lower Upper  
149 100  
167 10.6 1.3 1.9#  
43 34.2 9.2 13.8#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.457 min Scan# 2239  
Delta R.T. -0.005 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

Tgt Ion:264 Resp: 182397  
Ion Ratio Lower Upper  
264 100  
260 24.1 18.4 27.6  
265 22.2 17.2 25.8

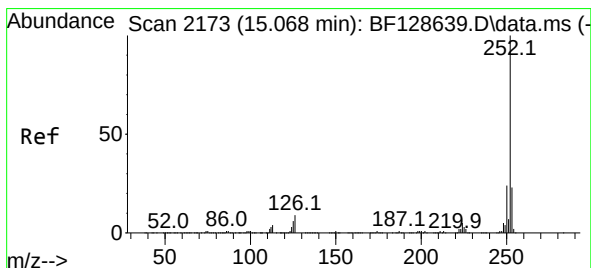
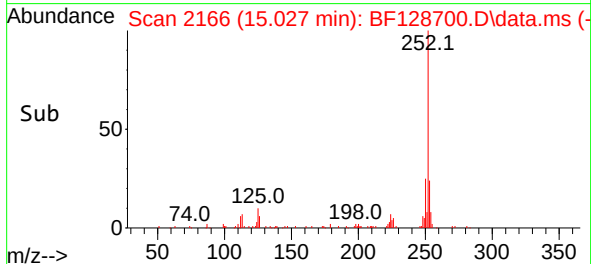
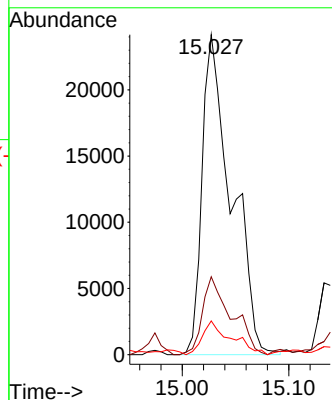
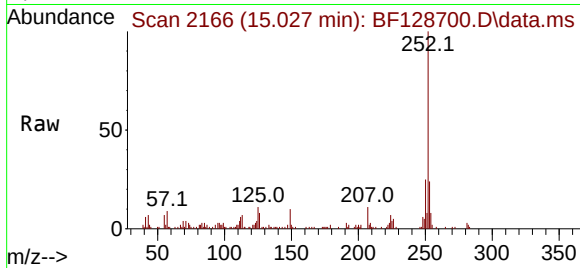




#88  
Benzo(b)fluoranthene  
Concen: 3.985 ng  
RT: 15.027 min Scan# 2166  
Delta R.T. -0.006 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

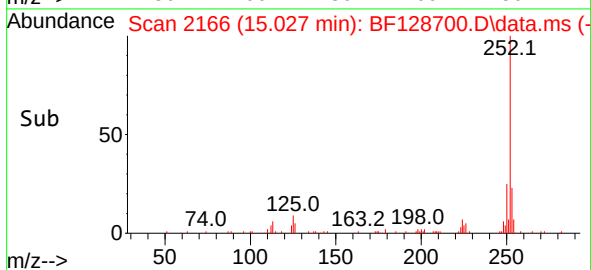
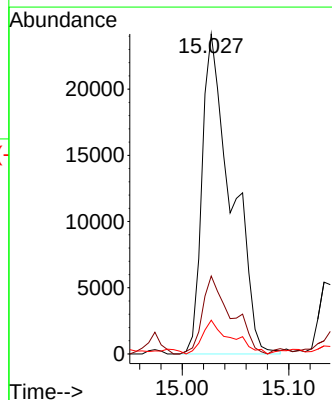
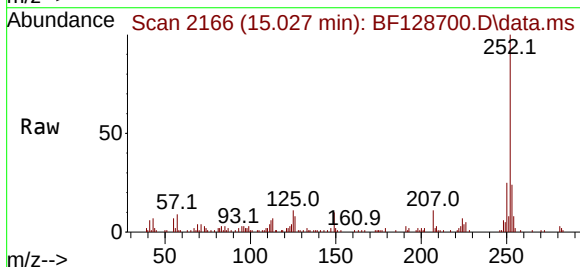
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-218

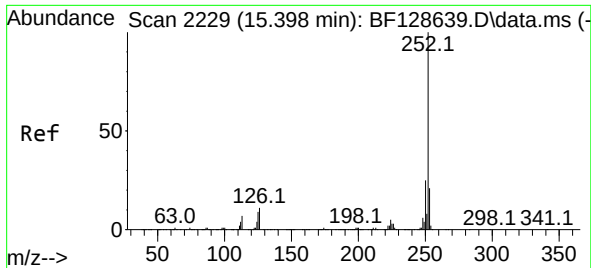
Tgt Ion:252 Resp: 46442  
Ion Ratio Lower Upper  
252 100  
253 24.3 17.7 26.5  
125 10.6 8.0 12.0



#89  
Benzo(k)fluoranthene  
Concen: 4.236 ng  
RT: 15.027 min Scan# 2166  
Delta R.T. -0.041 min  
Lab File: BF128700.D  
Acq: 06 Jun 2022 16:59

Tgt Ion:252 Resp: 46442  
Ion Ratio Lower Upper  
252 100  
253 24.3 17.8 26.6  
125 10.6 8.3 12.5





#90  
 Benzo(a)pyrene  
 Concen: 2.557 ng  
 RT: 15.392 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF128700.D  
 Acq: 06 Jun 2022 16:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-218

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 17.0  | 25.6  |
| 125     | 9.8   | 8.8   | 13.2  |

