

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111221\  
 Data File : BF126159.D  
 Acq On : 12 Nov 2021 18:32  
 Operator : JU/CG  
 Sample : M4662-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHVB-0513

Quant Time: Nov 15 06:36:31 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 03 17:21:25 2021  
 Response via : Initial Calibration

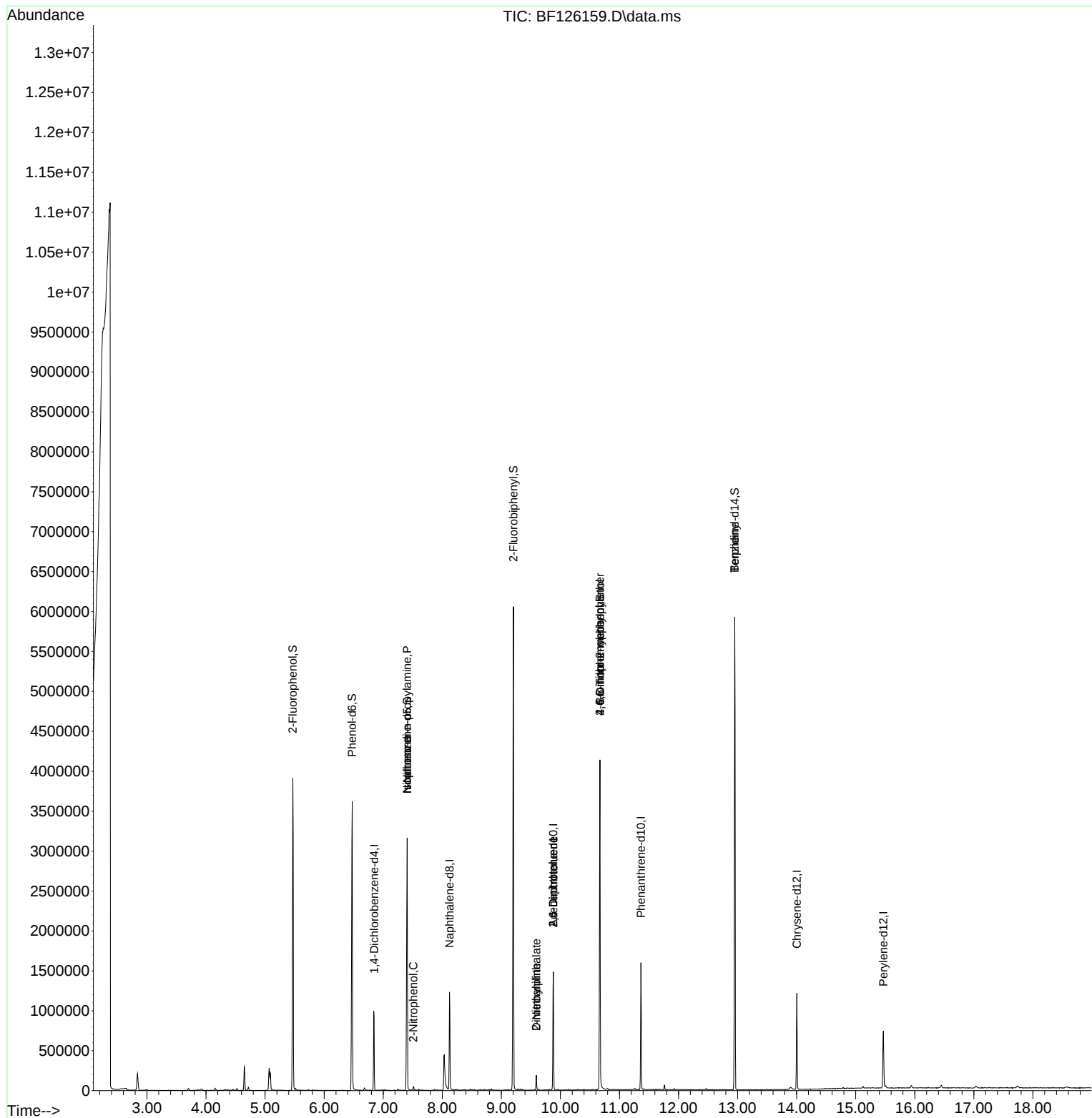
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 136103   | 20.000    | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.122  | 136  | 494710   | 20.000    | ng    | #-0.02   |
| 39) Acenaphthene-d10          | 9.881  | 164  | 292561   | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.363 | 188  | 534497   | 20.000    | ng    | -0.01    |
| 76) Chrysene-d12              | 14.004 | 240  | 390310   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 15.468 | 264  | 326700   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 920204   | 116.107   | ng    | 0.00     |
| 7) Phenol-d6                  | 6.475  | 99   | 1075845  | 96.295    | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 936726   | 89.297    | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 445364   | 132.835   | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1777421  | 82.100    | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.951 | 244  | 1977900  | 81.716    | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.387  | 77   | 123      | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 136642   | 18.552    | ng    | # 60     |
| 25) Isophorone                | 7.404  | 82   | 936718   | 49.597    | ng    | # 59     |
| 26) 2-Nitrophenol             | 7.510  | 139  | 136      | 4.662     | ng    | # 39     |
| 48) 2-Nitroaniline            | 9.592  | 65   | 504      | 2.931     | ng    | # 1      |
| 50) Dimethylphthalate         | 9.592  | 163  | 63398    | 2.976     | ng    | 97       |
| 51) 2,6-Dinitrotoluene        | 9.881  | 165  | 37646    | 10.311    | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.881  | 165  | 37646    | 9.851     | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 10.669 | 198  | 1395     | 8.765     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.669 | 248  | 28894    | 4.463     | ng    | # 1      |
| 77) Benzidine                 | 12.951 | 184  | 30095    | 2.307     | ng    | 98       |
| -----                         |        |      |          |           |       |          |

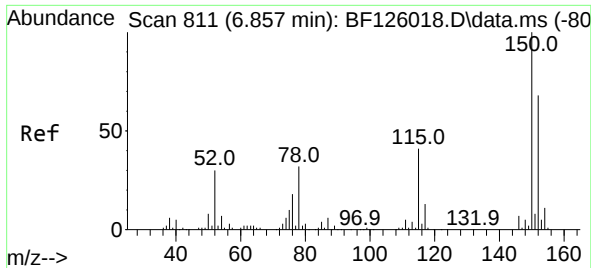
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111221\  
Data File : BF126159.D  
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Misc :  
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CHVB-0513

Quant Time: Nov 15 06:36:31 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 03 17:21:25 2021  
Response via : Initial Calibration

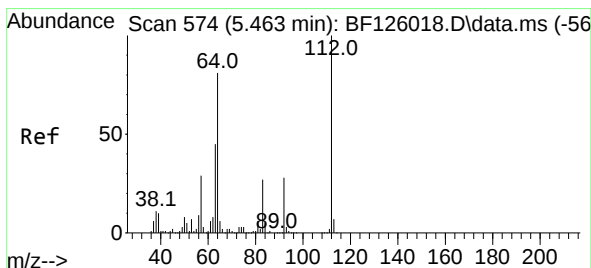
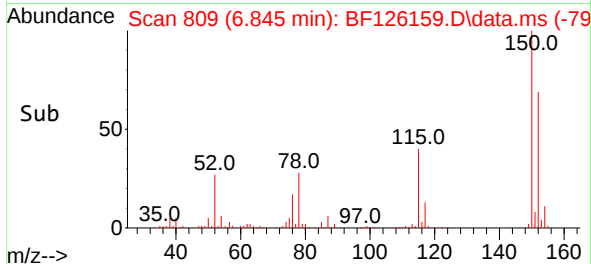
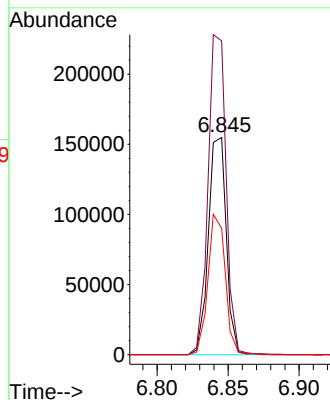
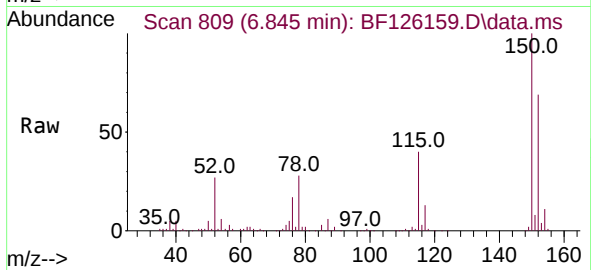




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.845 min Scan# 809  
Delta R.T. -0.012 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

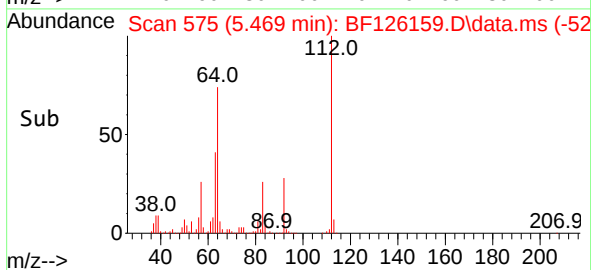
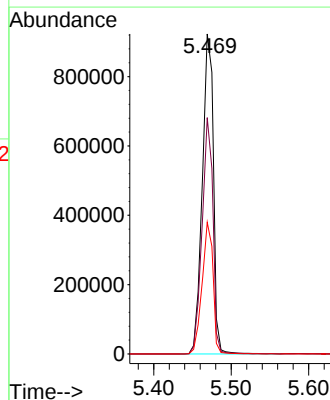
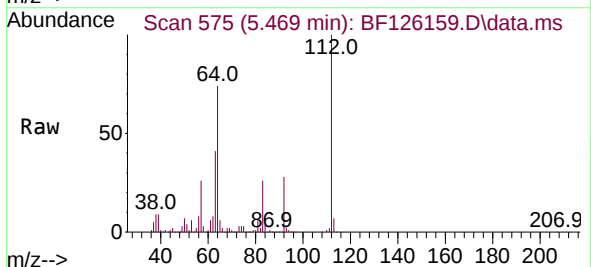
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BNA\_F  
ClientSampleId :  
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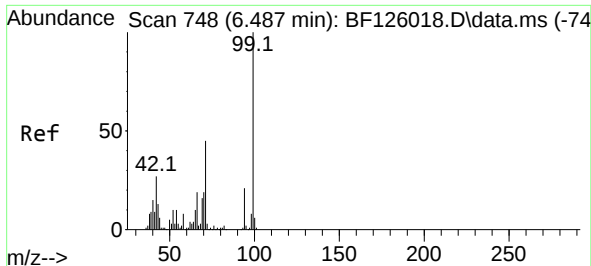
Tgt Ion:152 Resp: 136103  
Ion Ratio Lower Upper  
152 100  
150 144.4 117.6 176.4  
115 58.1 47.1 70.7



#5  
2-Fluorophenol  
Concen: 116.107 ng  
RT: 5.469 min Scan# 575  
Delta R.T. 0.006 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

Tgt Ion:112 Resp: 920204  
Ion Ratio Lower Upper  
112 100  
64 73.8 44.2 66.2#  
63 41.1 26.2 39.2#

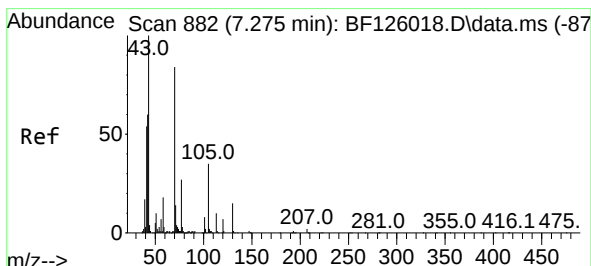
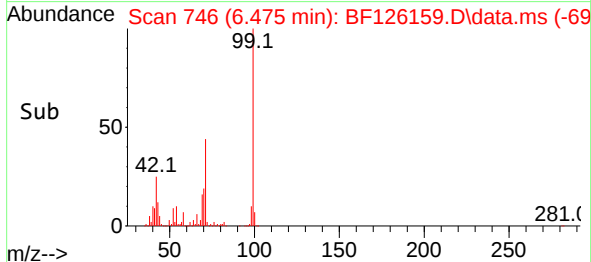
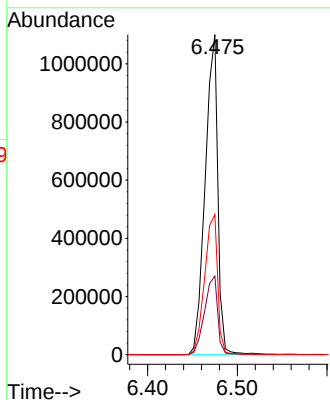
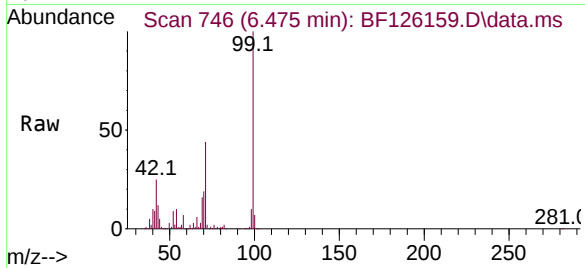




#7  
Phenol-d6  
Concen: 96.295 ng  
RT: 6.475 min Scan# 74  
Delta R.T. -0.012 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

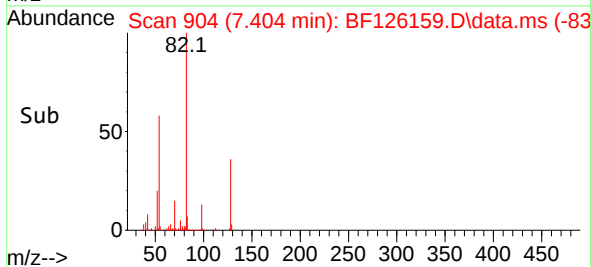
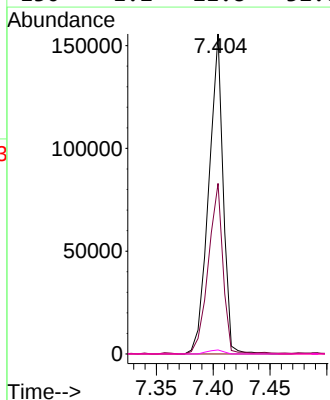
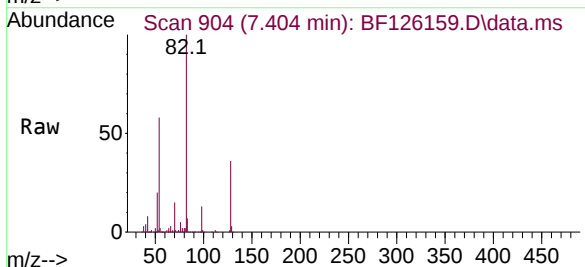
Instrument :  
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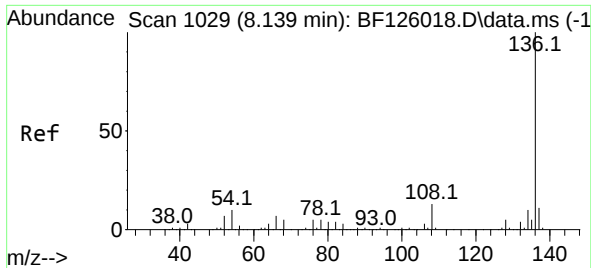
Tgt Ion: 99 Resp: 1075845  
Ion Ratio Lower Upper  
99 100  
42 24.6 23.5 35.3  
71 43.8 25.6 38.4#



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.552 ng  
RT: 7.404 min Scan# 904  
Delta R.T. 0.129 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

Tgt Ion: 70 Resp: 136642  
Ion Ratio Lower Upper  
70 100  
42 53.3 72.2 108.2#  
101 0.0 7.8 11.8#  
130 1.2 21.8 32.6#

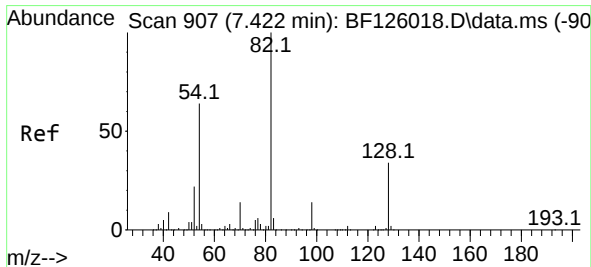
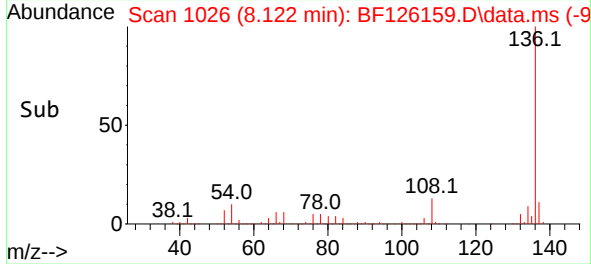
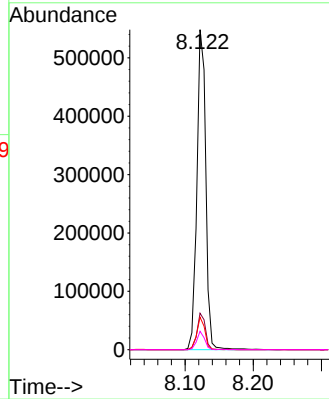
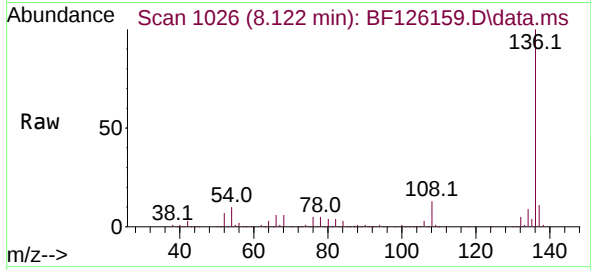




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1  
Delta R.T. -0.017 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

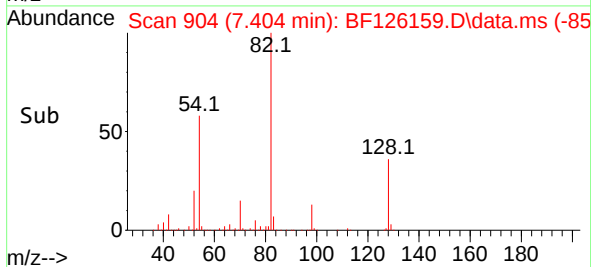
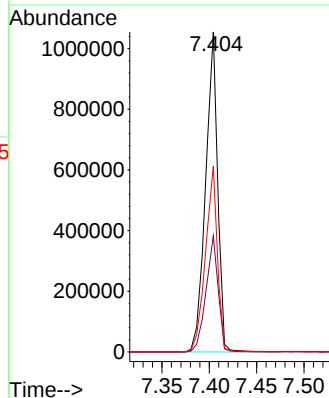
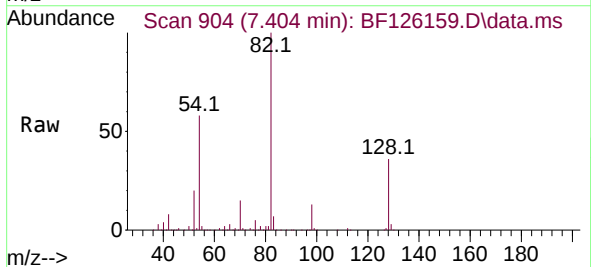
Instrument :  
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ClientSampleId :  
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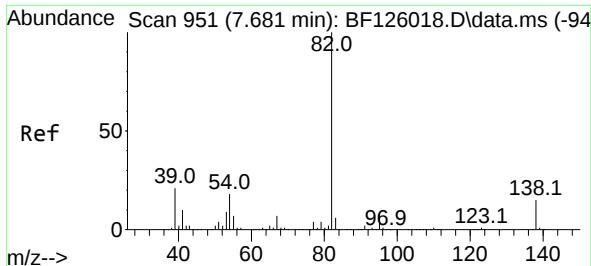
Tgt Ion:136 Resp: 494710  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.8 14.6  
54 10.1 6.4 9.6#  
68 5.7 3.3 4.9#



#23  
Nitrobenzene-d5  
Concen: 89.297 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.018 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

Tgt Ion: 82 Resp: 936726  
Ion Ratio Lower Upper  
82 100  
128 36.3 40.6 60.8#  
54 58.0 49.6 74.4

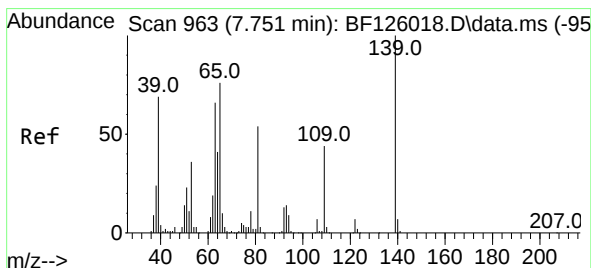
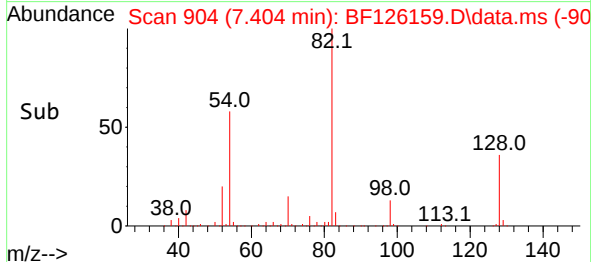
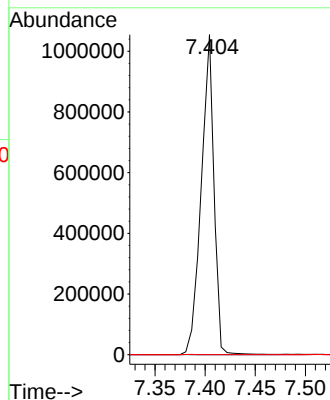
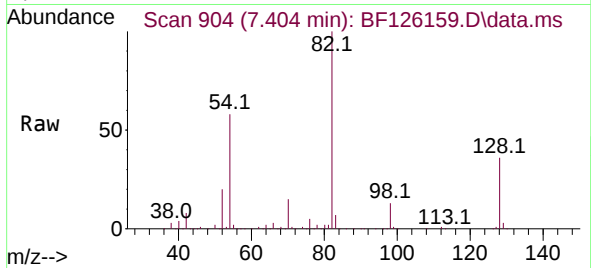




#25  
Isophorone  
Concen: 49.597 ng  
RT: 7.404 min Scan# 90  
Delta R.T. -0.277 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

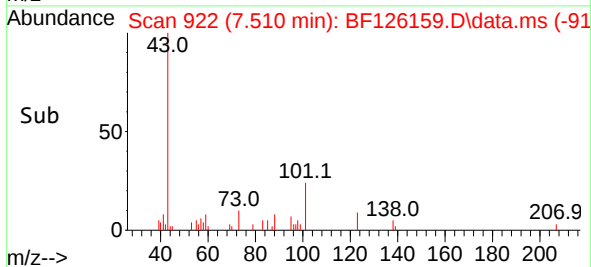
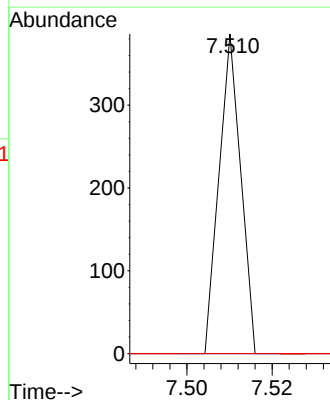
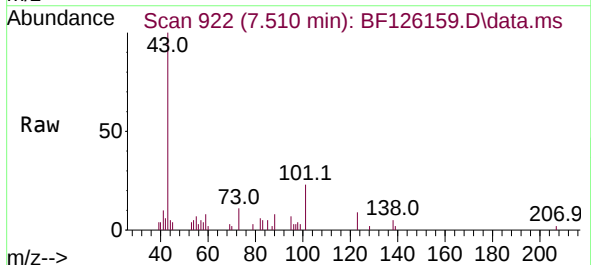
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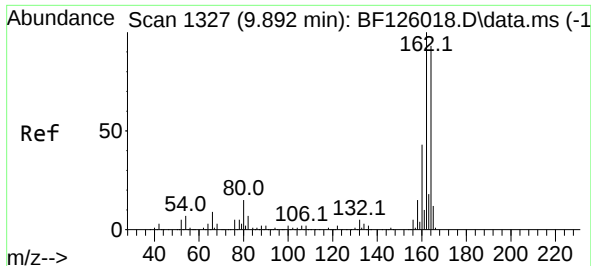
Tgt Ion: 82 Resp: 936718  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#26  
2-Nitrophenol  
Concen: 4.662 ng  
RT: 7.510 min Scan# 922  
Delta R.T. -0.241 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

Tgt Ion:139 Resp: 136  
Ion Ratio Lower Upper  
139 100  
109 0.0 26.0 39.0#  
65 0.0 31.0 46.4#

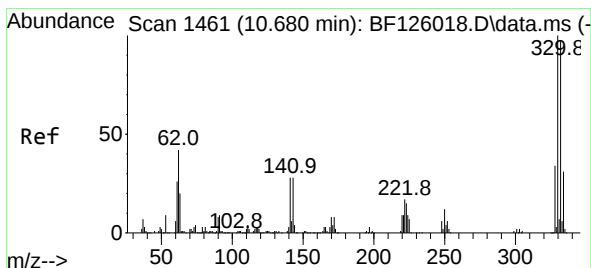
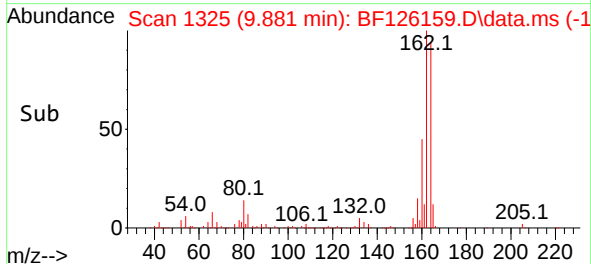
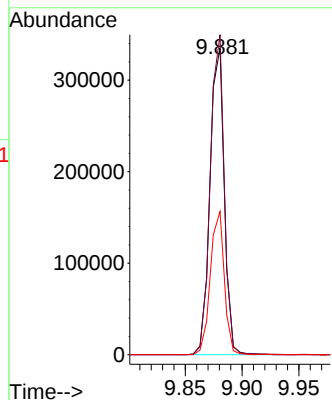
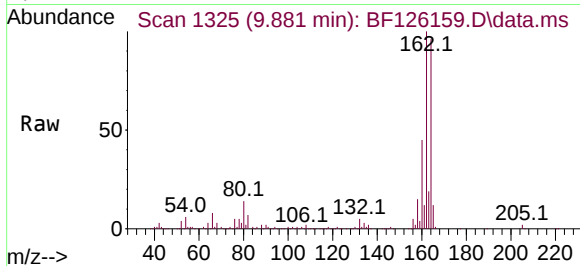




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.881 min Scan# 11  
Delta R.T. -0.011 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

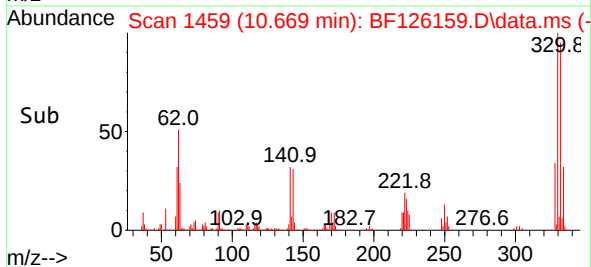
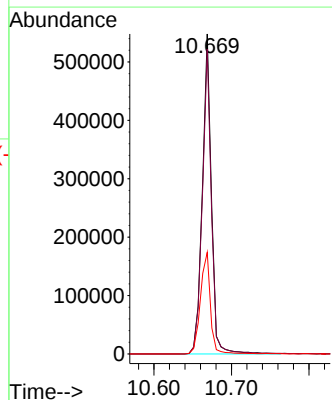
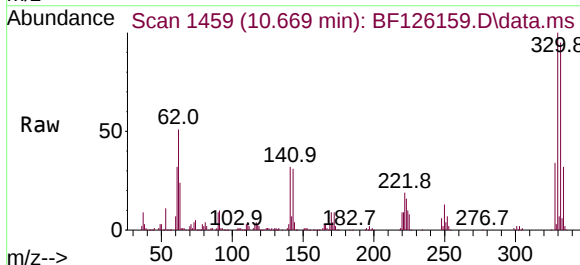
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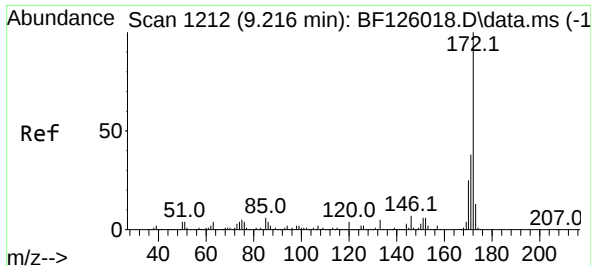
Tgt Ion:164 Resp: 292561  
Ion Ratio Lower Upper  
164 100  
162 104.2 81.3 121.9  
160 46.6 38.0 57.0



#42  
2,4,6-Tribromophenol  
Concen: 132.835 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.012 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

Tgt Ion:330 Resp: 445364  
Ion Ratio Lower Upper  
330 100  
332 95.7 76.2 114.4  
141 35.1 44.6 66.8#

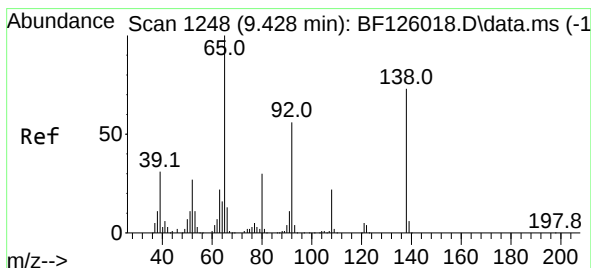
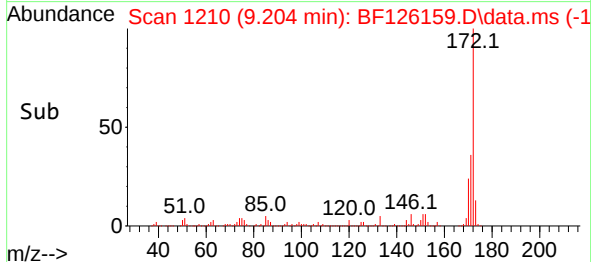
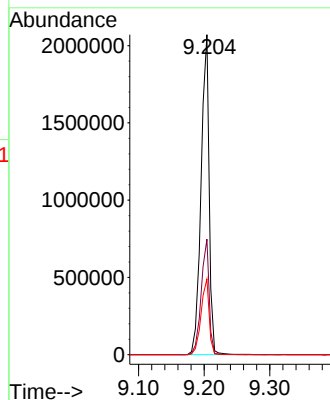
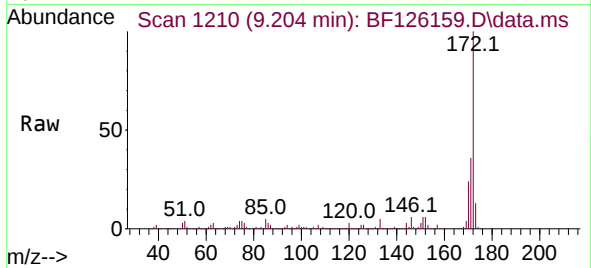




#45  
2-Fluorobiphenyl  
Concen: 82.100 ng  
RT: 9.204 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

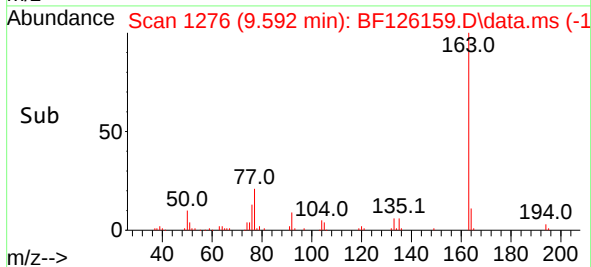
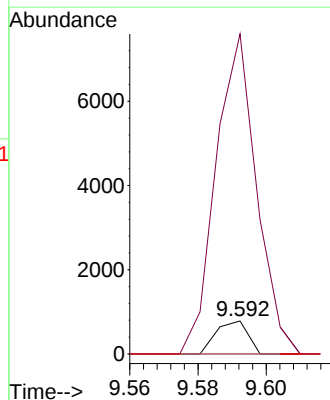
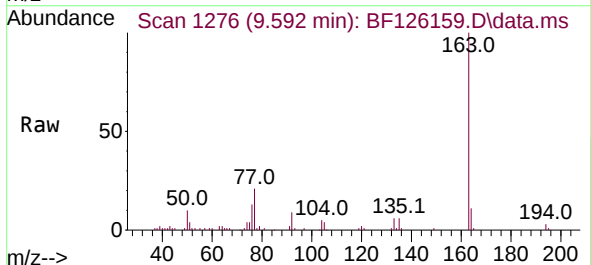
Instrument :  
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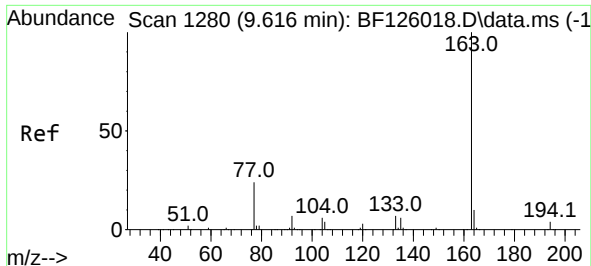
Tgt Ion:172 Resp: 1777421  
Ion Ratio Lower Upper  
172 100  
171 36.1 26.5 39.7  
170 23.6 18.8 28.2



#48  
2-Nitroaniline  
Concen: 2.931 ng  
RT: 9.592 min Scan# 1276  
Delta R.T. 0.164 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

Tgt Ion: 65 Resp: 504  
Ion Ratio Lower Upper  
65 100  
92 970.5 55.5 83.3#  
138 0.0 93.5 140.3#

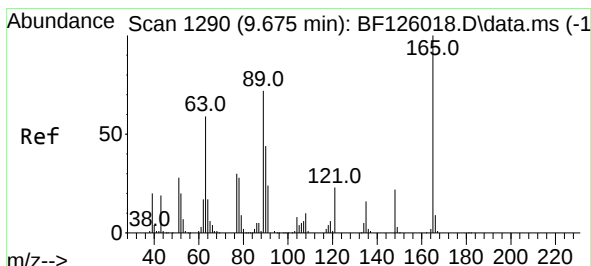
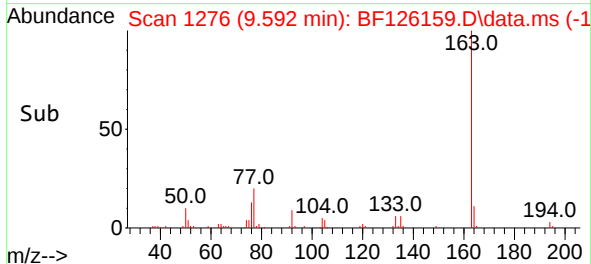
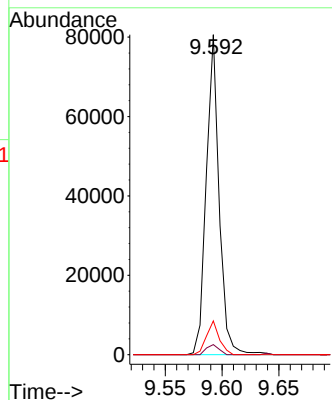
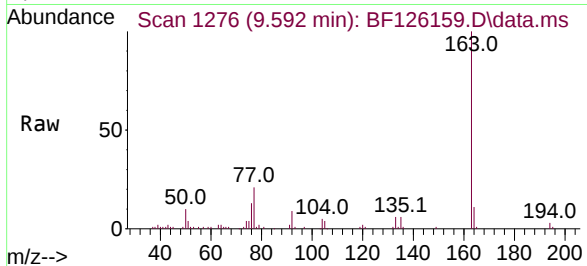




#50  
Dimethylphthalate  
Concen: 2.976 ng  
RT: 9.592 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

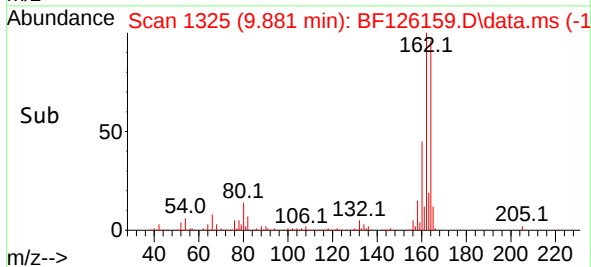
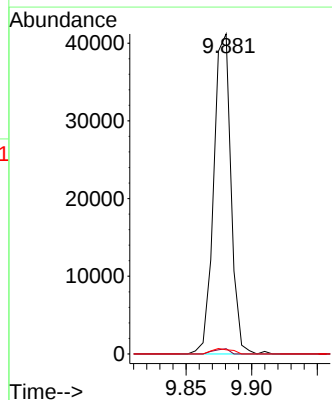
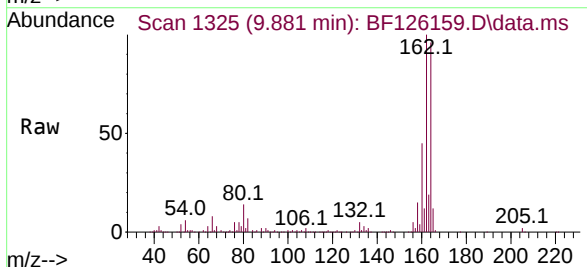
Instrument :  
BNA\_F  
ClientSampleId :  
CHVB-0513

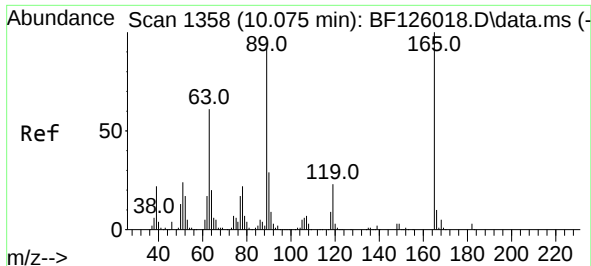
Tgt Ion:163 Resp: 63398  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.6 3.8  
164 10.5 7.4 11.0



#51  
2,6-Dinitrotoluene  
Concen: 10.311 ng  
RT: 9.881 min Scan# 1325  
Delta R.T. 0.206 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

Tgt Ion:165 Resp: 37646  
Ion Ratio Lower Upper  
165 100  
63 1.7 42.6 63.8#  
89 1.3 40.6 60.8#

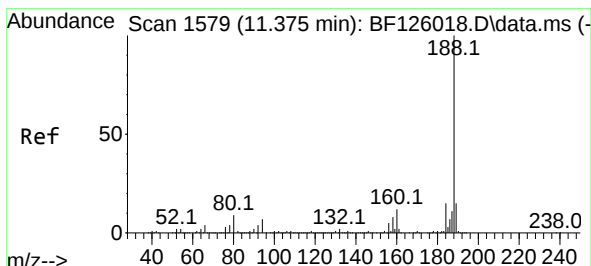
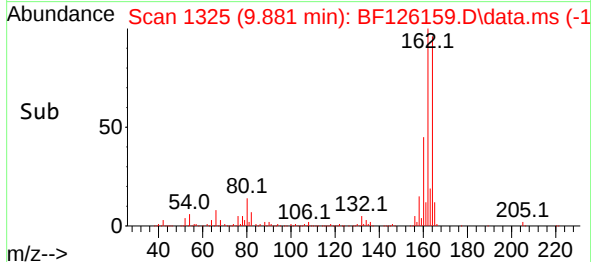
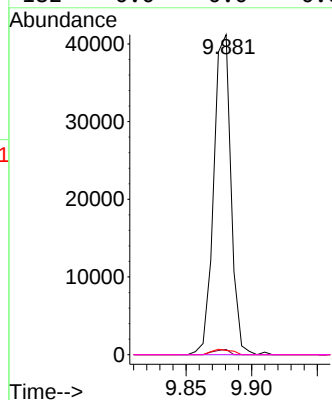
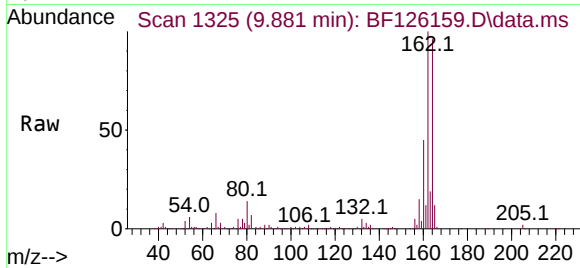




#57  
2,4-Dinitrotoluene  
Concen: 9.851 ng  
RT: 9.881 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

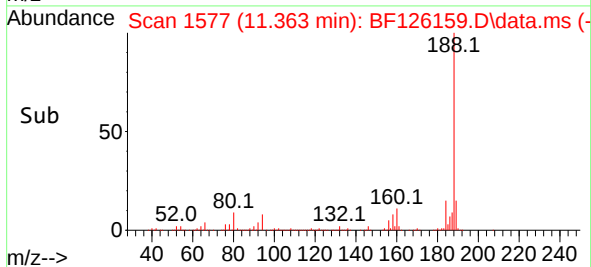
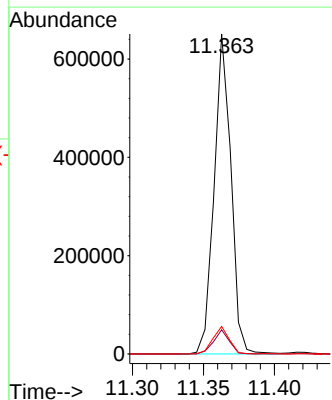
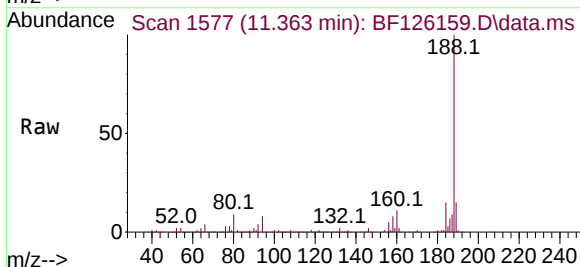
Instrument :  
BNA\_F  
ClientSampleId :  
CHVB-0513

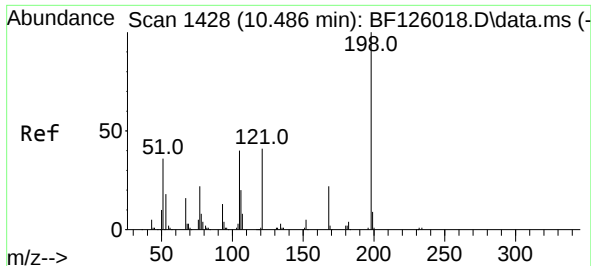
Tgt Ion:165 Resp: 37646  
Ion Ratio Lower Upper  
165 100  
63 1.7 40.9 61.3#  
89 1.3 59.7 89.5#  
182 0.0 0.0 0.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. -0.012 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

Tgt Ion:188 Resp: 534497  
Ion Ratio Lower Upper  
188 100  
94 7.6 6.7 10.1  
80 8.6 7.5 11.3





#65

4,6-Dinitro-2-methylphenol

Concen: 8.765 ng

RT: 10.669 min Scan# 1428

Delta R.T. 0.183 min

Lab File: BF126159.D

Acq: 12 Nov 2021 18:32

Instrument :

BNA\_F

ClientSampleId :

CHVB-0513

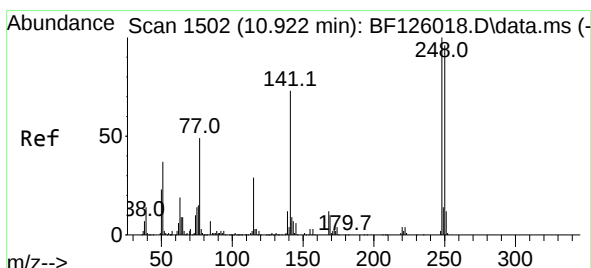
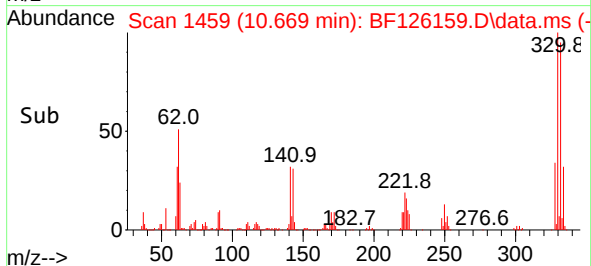
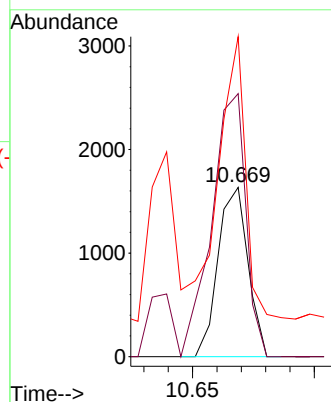
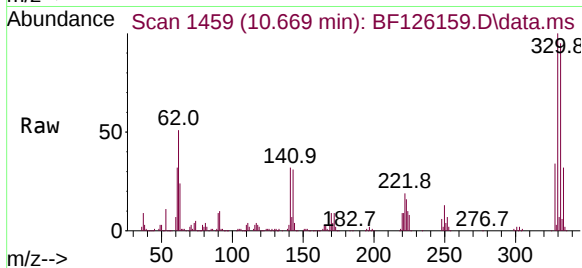
Tgt Ion:198 Resp: 1395

Ion Ratio Lower Upper

198 100

51 155.4 45.3 85.3#

105 189.0 30.6 70.6#



#67

4-Bromophenyl-phenylether

Concen: 4.463 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.253 min

Lab File: BF126159.D

Acq: 12 Nov 2021 18:32

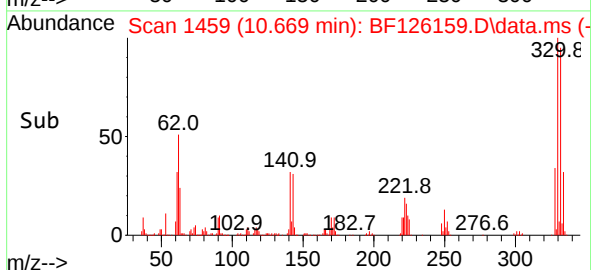
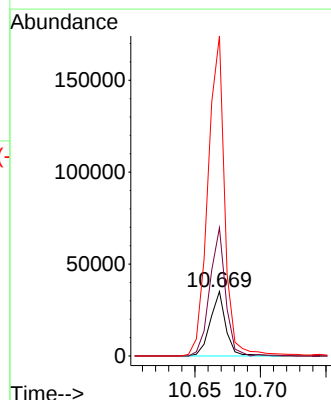
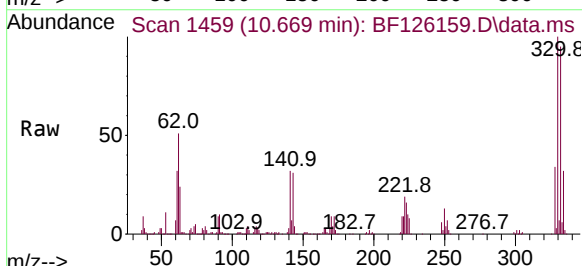
Tgt Ion:248 Resp: 28894

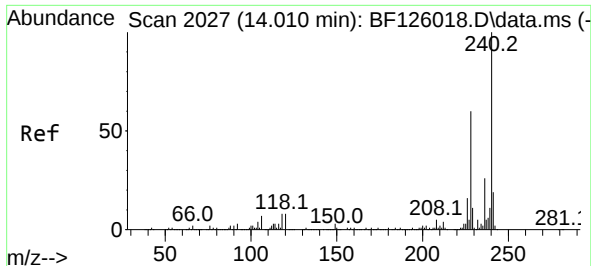
Ion Ratio Lower Upper

248 100

250 198.8 74.2 111.4#

141 496.0 60.4 90.6#

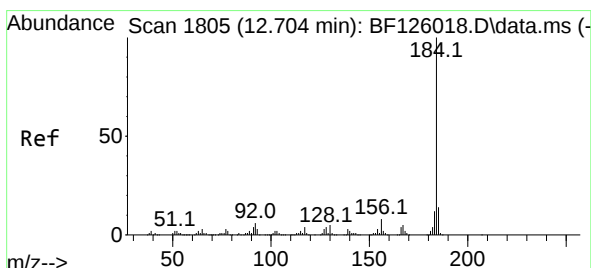
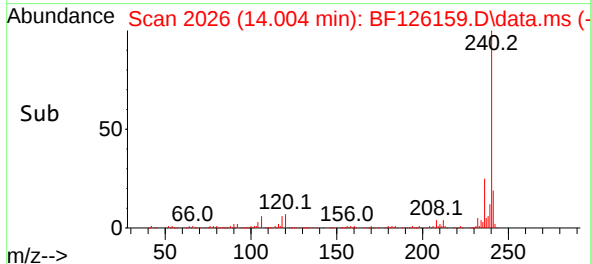
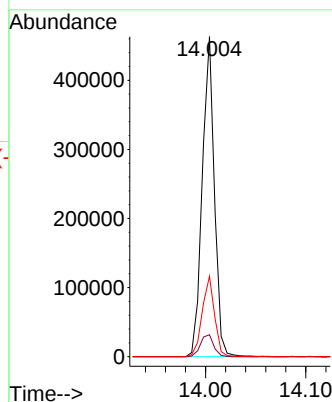
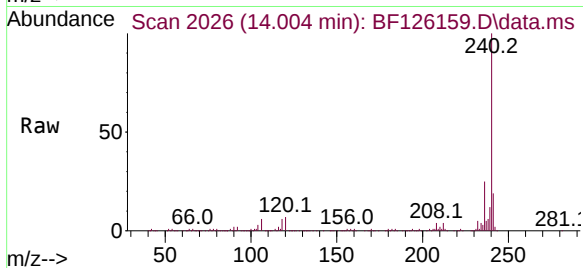




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

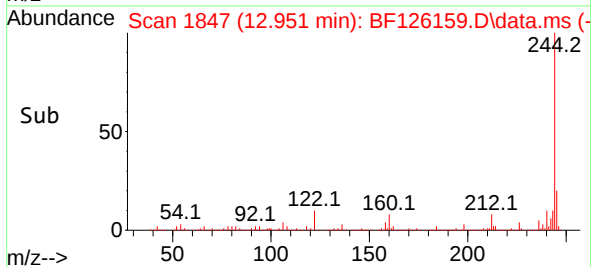
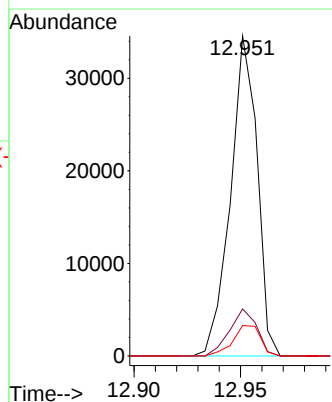
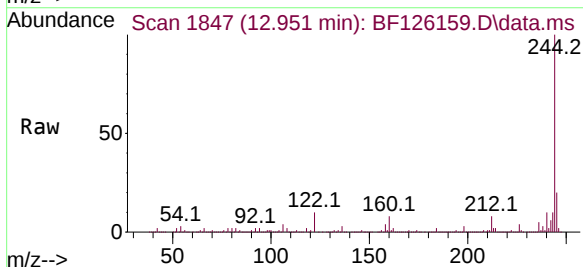
Instrument :  
BNA\_F  
ClientSampleId :  
CHVB-0513

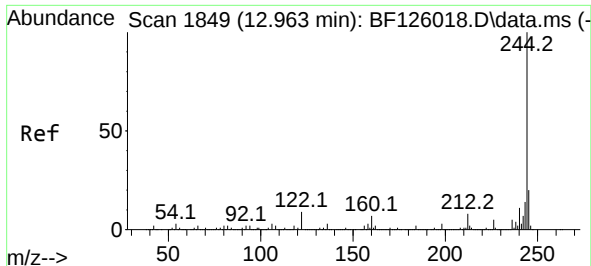
Tgt Ion:240 Resp: 390310  
Ion Ratio Lower Upper  
240 100  
120 6.9 10.8 16.2#  
236 25.2 21.6 32.4



#77  
Benzidine  
Concen: 2.307 ng  
RT: 12.951 min Scan# 1847  
Delta R.T. 0.247 min  
Lab File: BF126159.D  
Acq: 12 Nov 2021 18:32

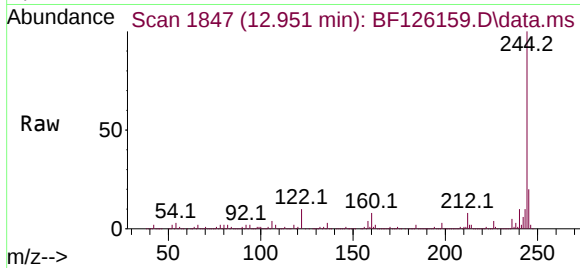
Tgt Ion:184 Resp: 30095  
Ion Ratio Lower Upper  
184 100  
185 14.7 10.8 16.2  
183 9.5 8.1 12.1



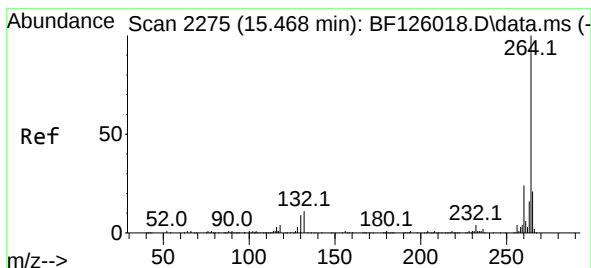
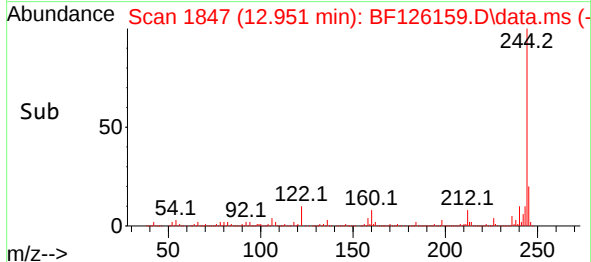
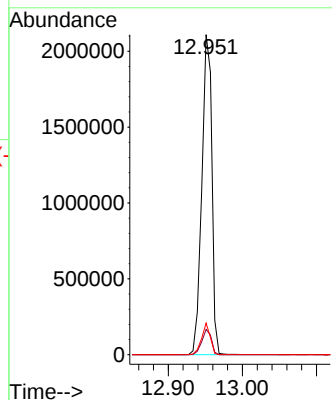


#79  
 Terphenyl-d14  
 Concen: 81.716 ng  
 RT: 12.951 min Scan# 1847  
 Delta R.T. -0.012 min  
 Lab File: BF126159.D  
 Acq: 12 Nov 2021 18:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHVB-0513



Tgt Ion:244 Resp: 1977900  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 5.9 8.9  
 122 9.8 9.0 13.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.468 min Scan# 2275  
 Delta R.T. 0.000 min  
 Lab File: BF126159.D  
 Acq: 12 Nov 2021 18:32

Tgt Ion:264 Resp: 326700  
 Ion Ratio Lower Upper  
 264 100  
 260 22.4 19.6 29.4  
 265 21.4 17.2 25.8

