

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111321\  
 Data File : BF126182.D  
 Acq On : 13 Nov 2021 22:34  
 Operator : JU/CG  
 Sample : M4595-03  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CMC-OF4-001-002

Quant Time: Nov 15 10:03:06 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 15 08:09:33 2021  
 Response via : Initial Calibration

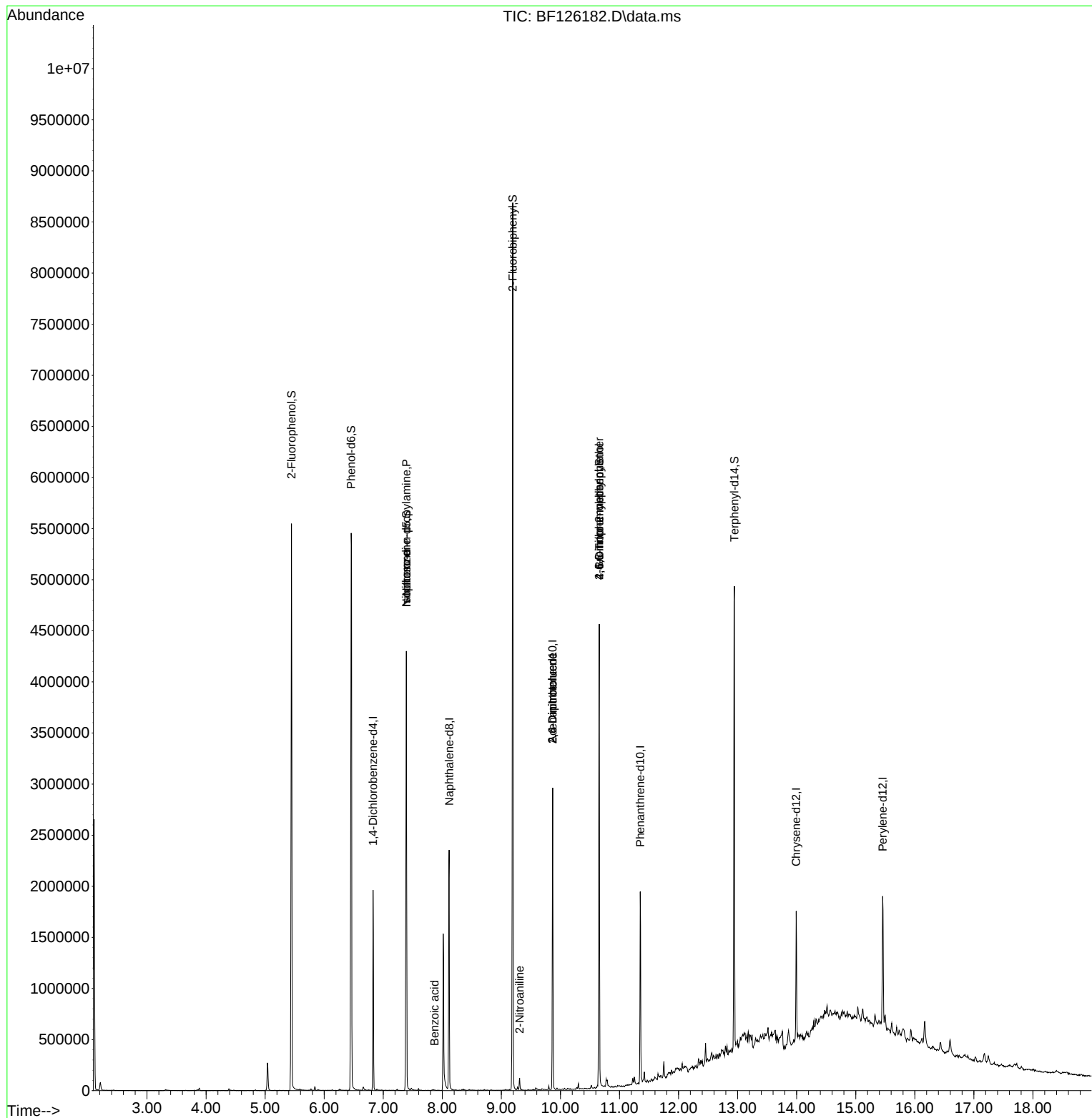
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 267095   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 993884   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.869  | 164  | 542431   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.351 | 188  | 658166   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.992 | 240  | 411693   | 20.000    | ng    | #-0.01   |
| 86) Perylene-d12              | 15.456 | 264  | 601471   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 1347062  | 86.609    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.457  | 99   | 1985534  | 90.559    | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 1388457  | 65.883    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 495548   | 79.718    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 2469340  | 61.519    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.945 | 244  | 1570801  | 61.526    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.375  | 77   | 426      | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.392  | 70   | 185004   | 12.799    | ng    | # 59     |
| 25) Isophorone                | 7.392  | 82   | 1382786  | 36.443    | ng    | # 59     |
| 32) Benzoic acid              | 7.869  | 122  | 367      | 9.177     | ng    | # 67     |
| 48) 2-Nitroaniline            | 9.310  | 65   | 1027     | 2.939     | ng    | # 13     |
| 51) 2,6-Dinitrotoluene        | 9.869  | 165  | 72154    | 10.659    | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.869  | 165  | 72155    | 10.077    | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 10.657 | 198  | 1034     | 8.587     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.657 | 248  | 32885    | 4.125     | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

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

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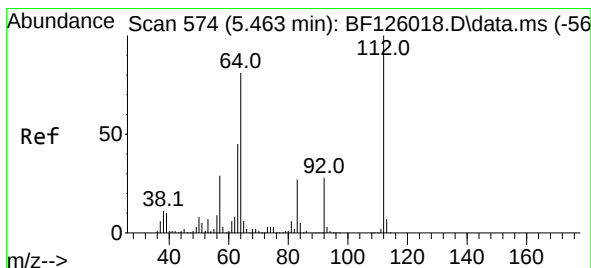
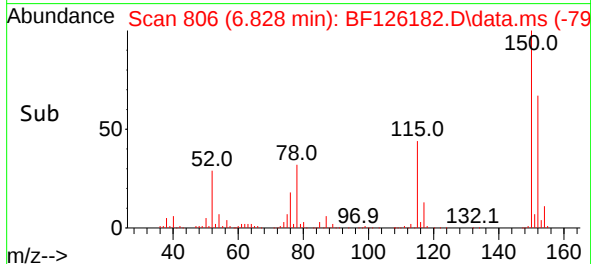
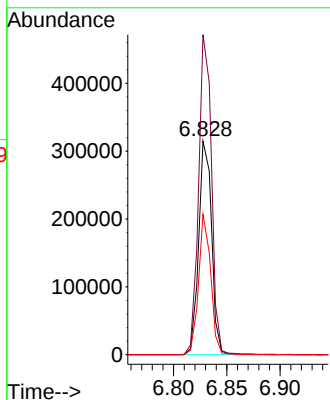
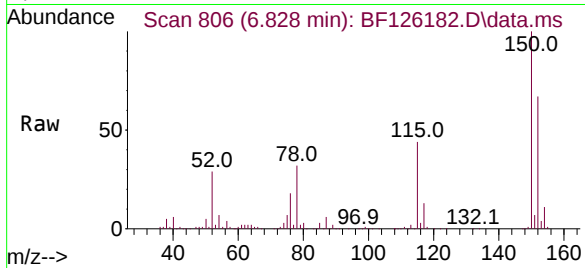




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.828 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF126182.D  
Acq: 13 Nov 2021 22:34

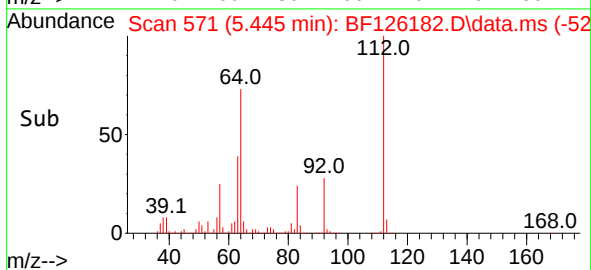
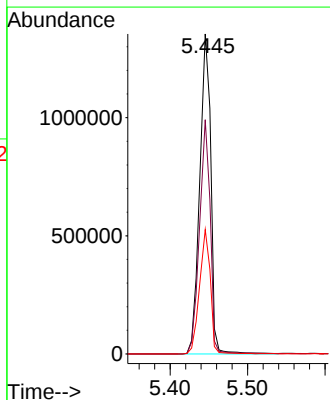
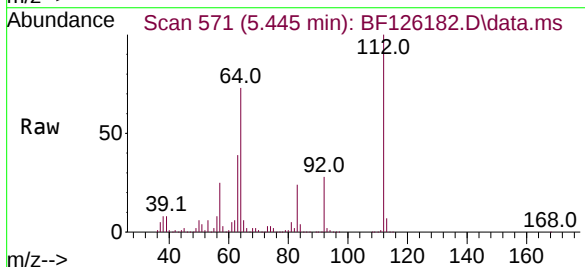
Instrument :  
BNA\_F  
ClientSampleId :  
CMC-OF4-001-002

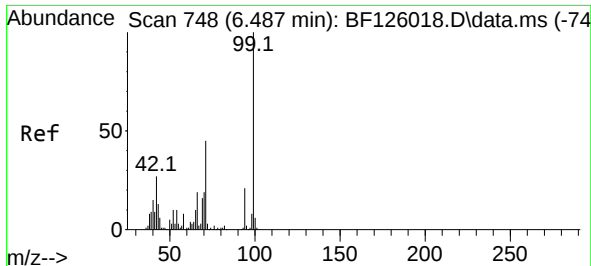
Tgt Ion:152 Resp: 267095  
Ion Ratio Lower Upper  
152 100  
150 149.9 117.6 176.4  
115 65.8 47.1 70.7



#5  
2-Fluorophenol  
Concen: 86.609 ng  
RT: 5.445 min Scan# 571  
Delta R.T. -0.000 min  
Lab File: BF126182.D  
Acq: 13 Nov 2021 22:34

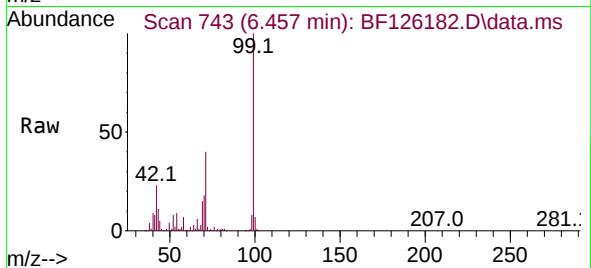
Tgt Ion:112 Resp: 1347062  
Ion Ratio Lower Upper  
112 100  
64 73.2 44.2 66.2#  
63 38.9 26.2 39.2





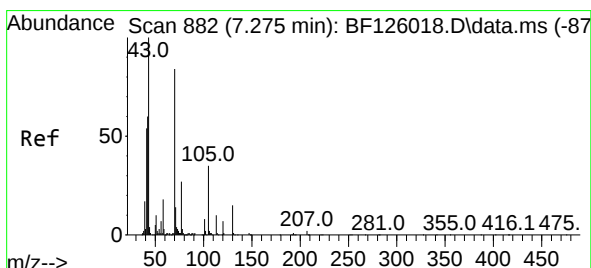
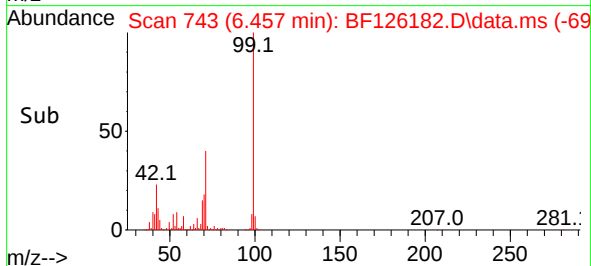
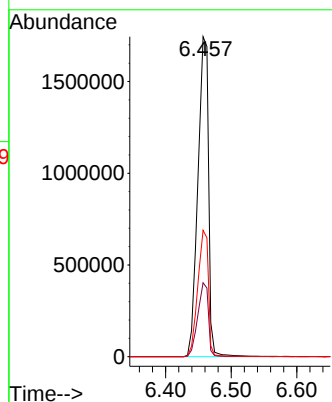
#7  
Phenol-d6  
Concen: 90.559 ng  
RT: 6.457 min Scan# 74  
Delta R.T. -0.012 min  
Lab File: BF126182.D  
Acq: 13 Nov 2021 22:34

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Tgt Ion: 99 Resp: 1985534

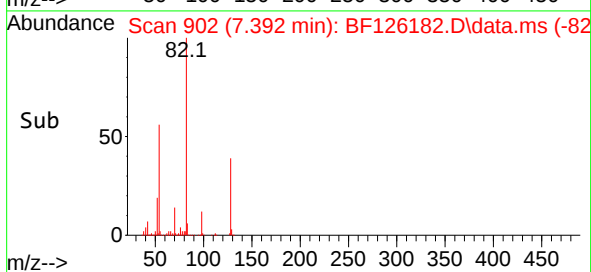
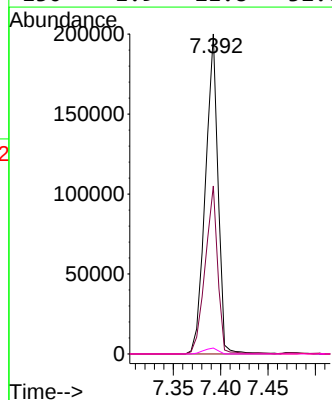
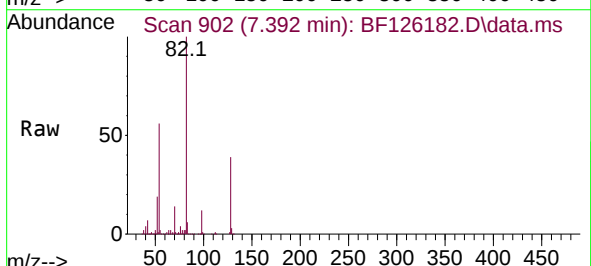
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.1  | 23.5  | 35.3# |
| 71  | 39.5  | 25.6  | 38.4# |

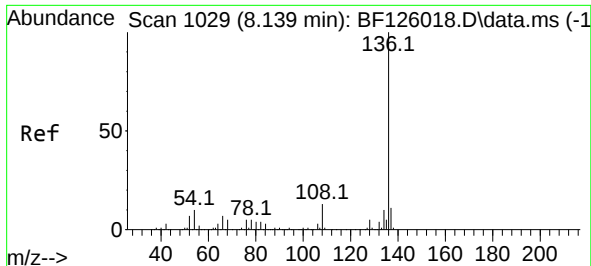


#19  
n-Nitroso-di-n-propylamine  
Concen: 12.799 ng  
RT: 7.392 min Scan# 902  
Delta R.T. 0.141 min  
Lab File: BF126182.D  
Acq: 13 Nov 2021 22:34

Tgt Ion: 70 Resp: 185004

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 70  | 100   |       |        |
| 42  | 52.5  | 72.2  | 108.2# |
| 101 | 0.0   | 7.8   | 11.8#  |
| 130 | 1.9   | 21.8  | 32.6#  |

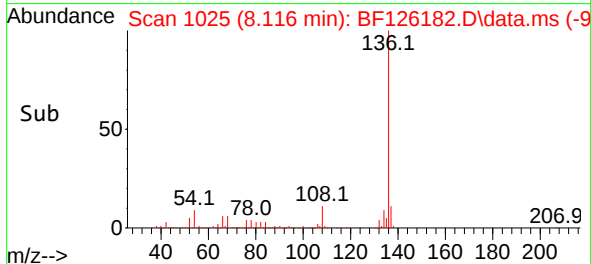
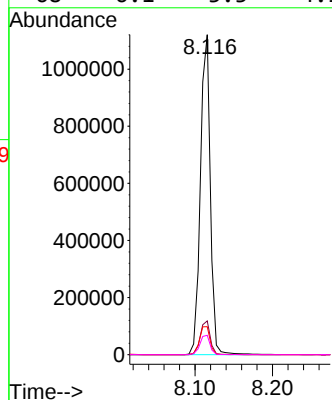
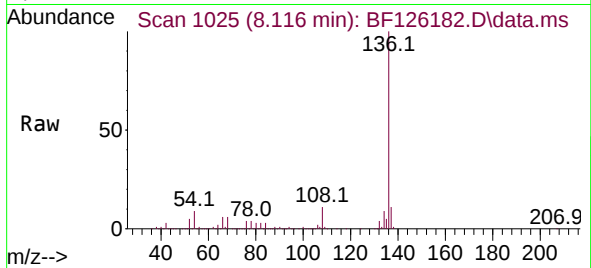




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF126182.D  
Acq: 13 Nov 2021 22:34

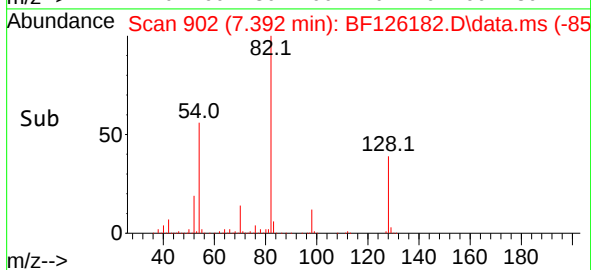
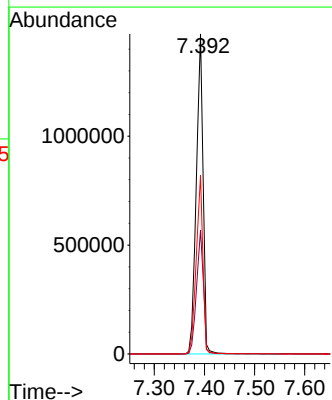
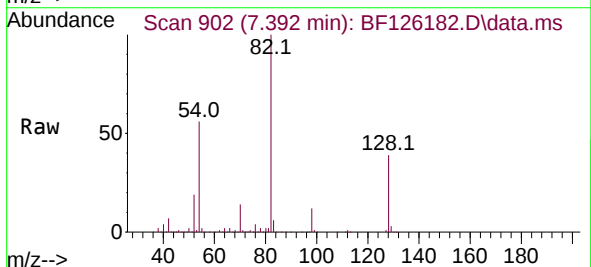
Instrument :  
BNA\_F  
ClientSampleId :  
CMC-OF4-001-002

Tgt Ion:136 Resp: 993884  
Ion Ratio Lower Upper  
136 100  
137 10.5 9.8 14.6  
54 8.8 6.4 9.6  
68 6.1 3.3 4.9#



#23  
Nitrobenzene-d5  
Concen: 65.883 ng  
RT: 7.392 min Scan# 902  
Delta R.T. -0.006 min  
Lab File: BF126182.D  
Acq: 13 Nov 2021 22:34

Tgt Ion: 82 Resp: 1388457  
Ion Ratio Lower Upper  
82 100  
128 38.7 40.6 60.8#  
54 55.9 49.6 74.4

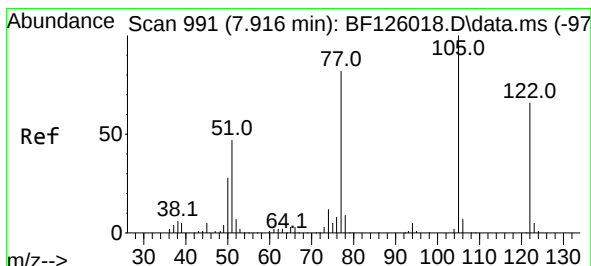
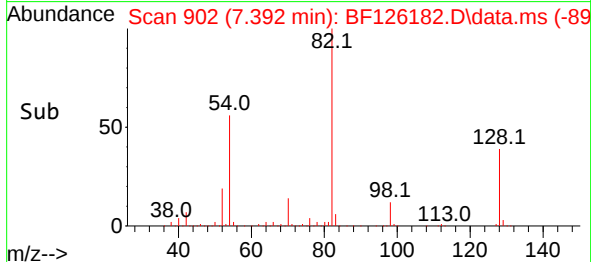
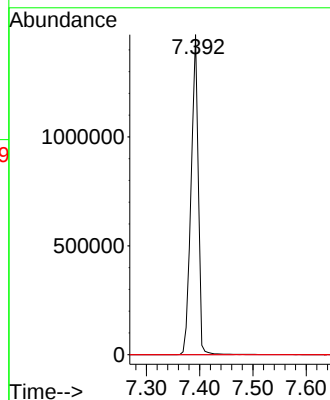
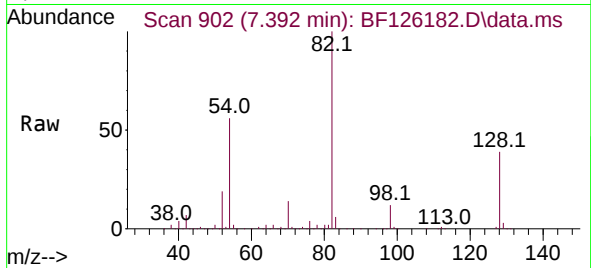




#25  
Isophorone  
Concen: 36.443 ng  
RT: 7.392 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF126182.D  
Acq: 13 Nov 2021 22:34

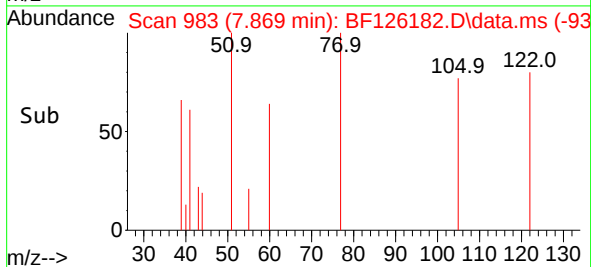
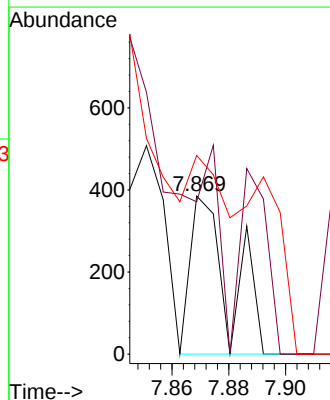
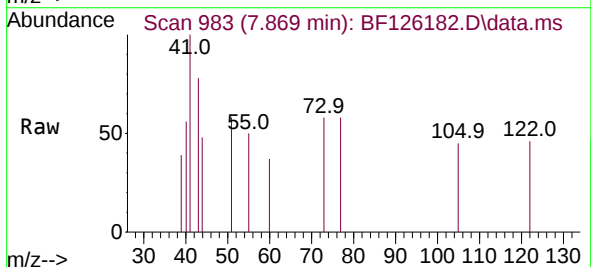
Instrument :  
BNA\_F  
ClientSampleId :  
CMC-OF4-001-002

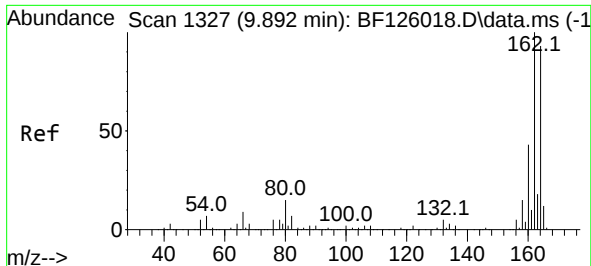
Tgt Ion: 82 Resp: 1382786  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#32  
Benzoic acid  
Concen: 9.177 ng  
RT: 7.869 min Scan# 983  
Delta R.T. -0.030 min  
Lab File: BF126182.D  
Acq: 13 Nov 2021 22:34

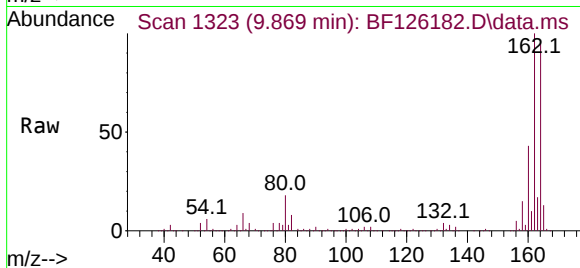
Tgt Ion: 122 Resp: 367  
Ion Ratio Lower Upper  
122 100  
105 96.4 97.6 137.6#  
77 125.7 59.6 99.6#



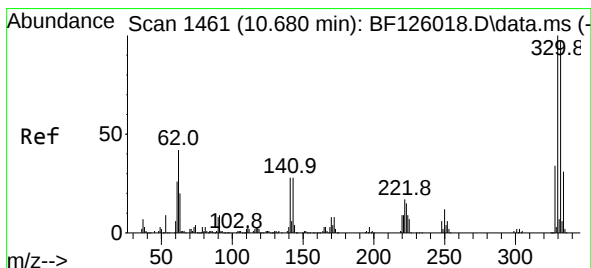
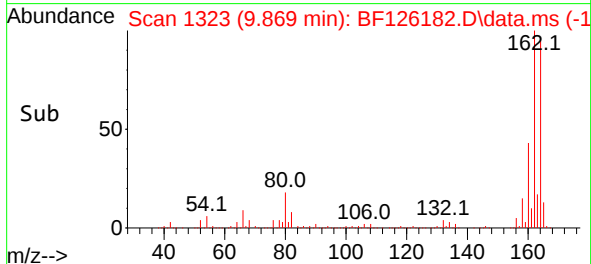
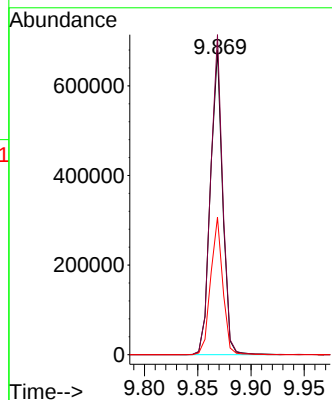


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF126182.D  
Acq: 13 Nov 2021 22:34

Instrument :  
BNA\_F  
ClientSampleId :  
CMC-OF4-001-002

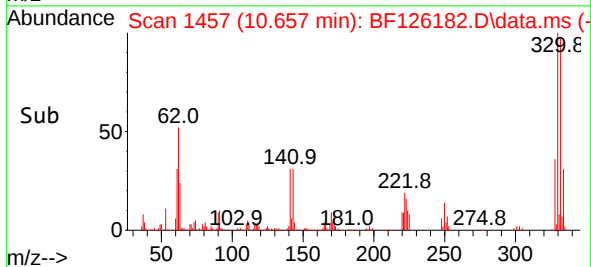
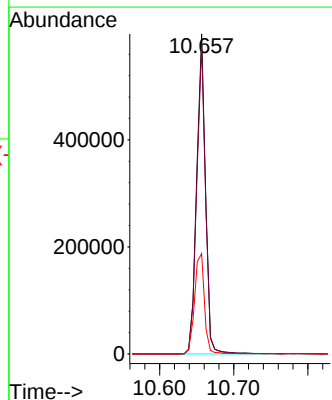
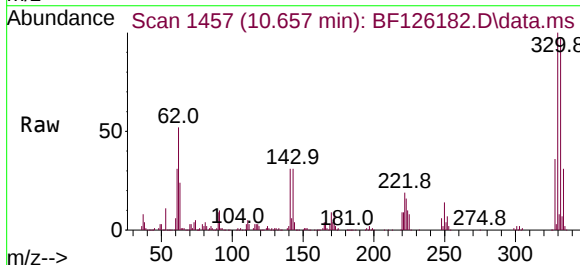


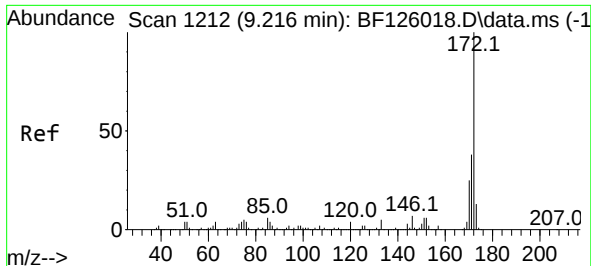
Tgt Ion:164 Resp: 542431  
Ion Ratio Lower Upper  
164 100  
162 105.0 81.3 121.9  
160 45.1 38.0 57.0



#42  
2,4,6-Tribromophenol  
Concen: 79.718 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. -0.006 min  
Lab File: BF126182.D  
Acq: 13 Nov 2021 22:34

Tgt Ion:330 Resp: 495548  
Ion Ratio Lower Upper  
330 100  
332 96.6 76.2 114.4  
141 35.4 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 61.519 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF126182.D

Acq: 13 Nov 2021 22:34

Instrument :

BNA\_F

ClientSampleId :

CMC-OF4-001-002

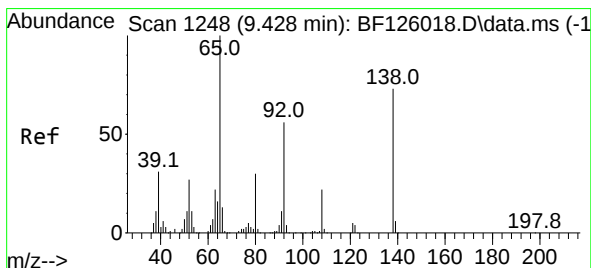
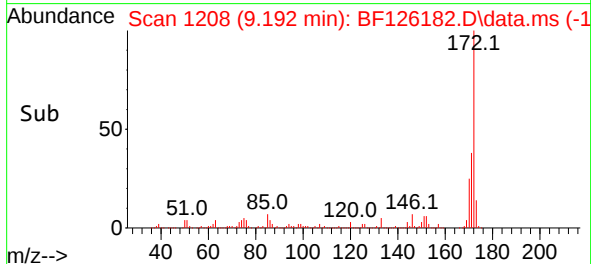
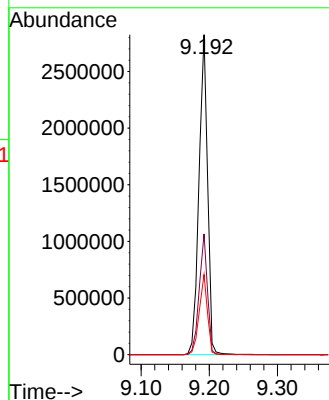
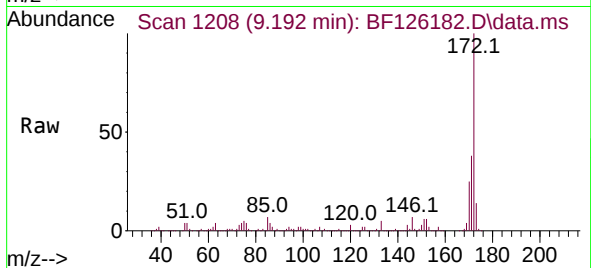
Tgt Ion:172 Resp: 2469340

Ion Ratio Lower Upper

172 100

171 37.7 26.5 39.7

170 25.1 18.8 28.2



#48

2-Nitroaniline

Concen: 2.939 ng

RT: 9.310 min Scan# 1228

Delta R.T. -0.106 min

Lab File: BF126182.D

Acq: 13 Nov 2021 22:34

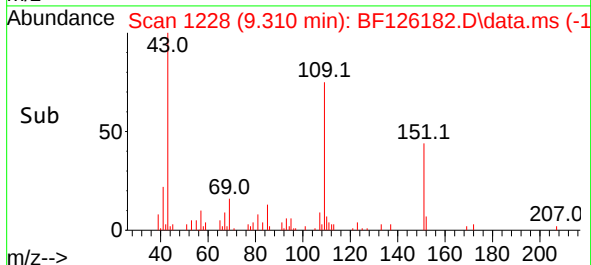
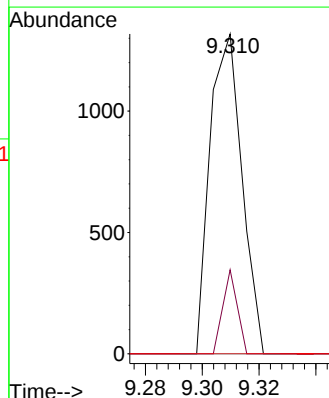
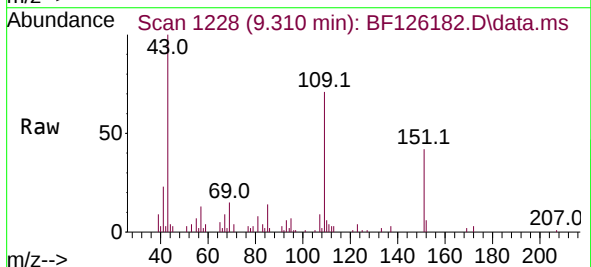
Tgt Ion: 65 Resp: 1027

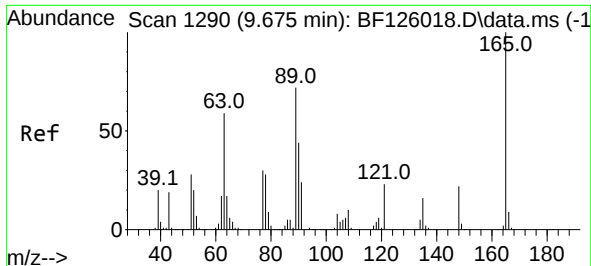
Ion Ratio Lower Upper

65 100

92 26.3 55.5 83.3#

138 0.0 93.5 140.3#





#51

2,6-Dinitrotoluene

Concen: 10.659 ng

RT: 9.869 min Scan# 1323

Delta R.T. 0.212 min

Lab File: BF126182.D

Acq: 13 Nov 2021 22:34

Instrument :

BNA\_F

ClientSampleId :

CMC-OF4-001-002

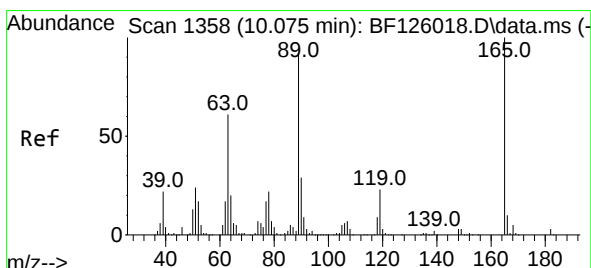
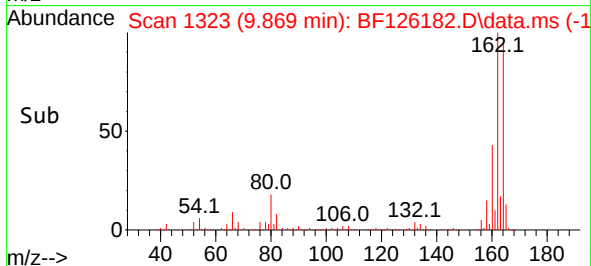
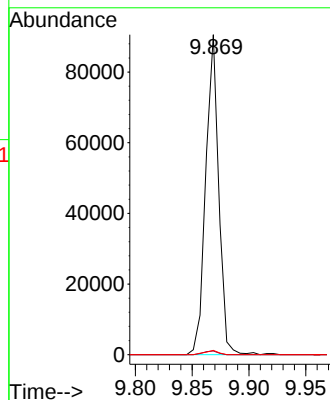
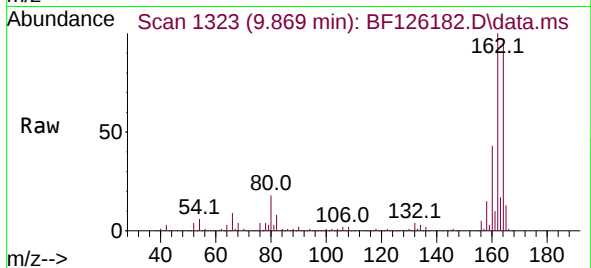
Tgt Ion:165 Resp: 72154

Ion Ratio Lower Upper

165 100

63 1.1 42.6 63.8#

89 1.3 40.6 60.8#



#57

2,4-Dinitrotoluene

Concen: 10.077 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.194 min

Lab File: BF126182.D

Acq: 13 Nov 2021 22:34

Tgt Ion:165 Resp: 72155

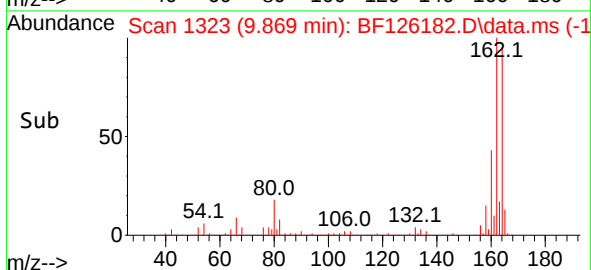
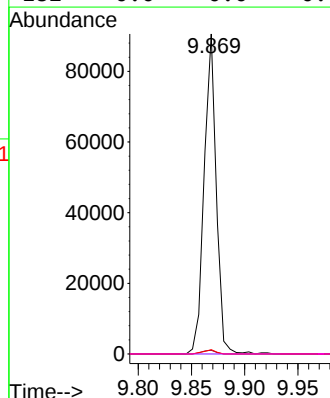
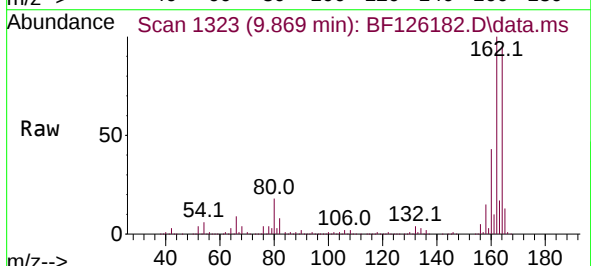
Ion Ratio Lower Upper

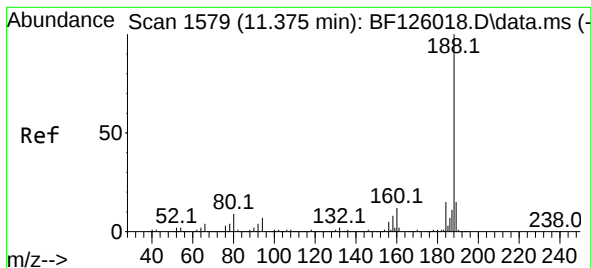
165 100

63 1.1 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: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126182.D

Acq: 13 Nov 2021 22:34

Instrument :

BNA\_F

ClientSampleId :

CMC-OF4-001-002

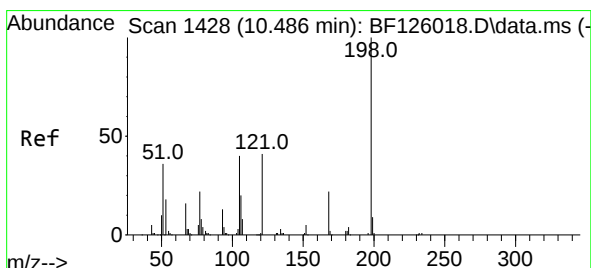
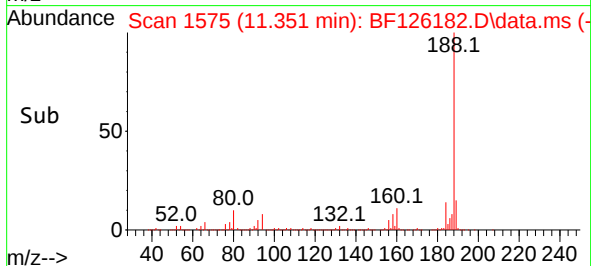
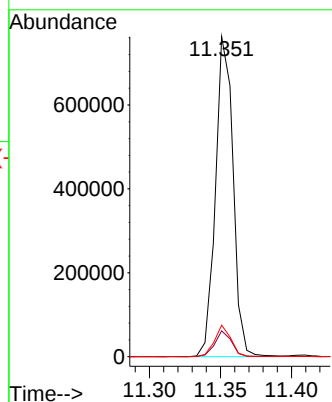
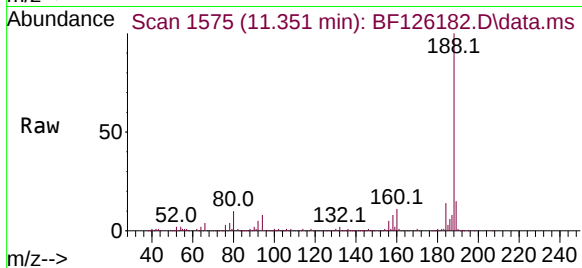
Tgt Ion:188 Resp: 658166

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 9.9 7.5 11.3



#65

4,6-Dinitro-2-methylphenol

Concen: 8.587 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF126182.D

Acq: 13 Nov 2021 22:34

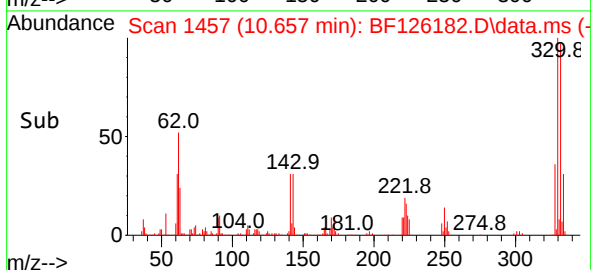
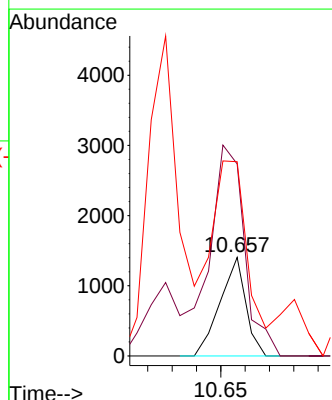
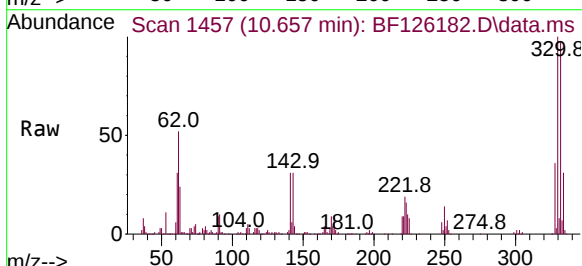
Tgt Ion:198 Resp: 1034

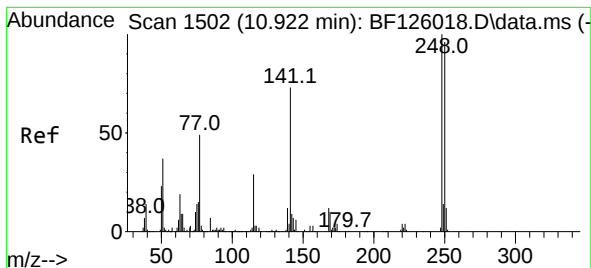
Ion Ratio Lower Upper

198 100

51 194.7 45.3 85.3#

105 196.9 30.6 70.6#

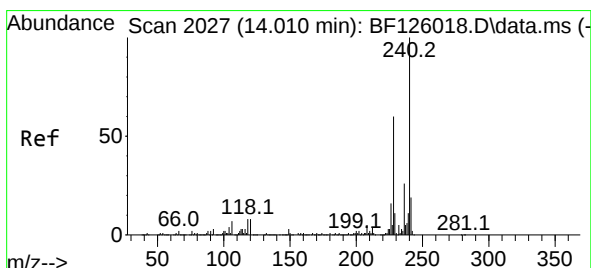
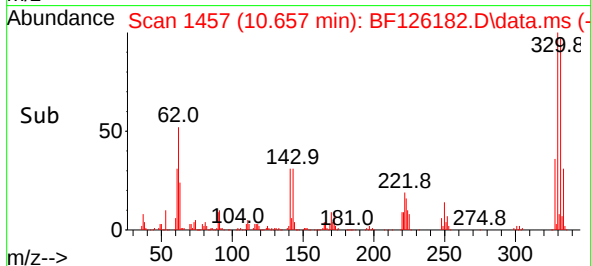
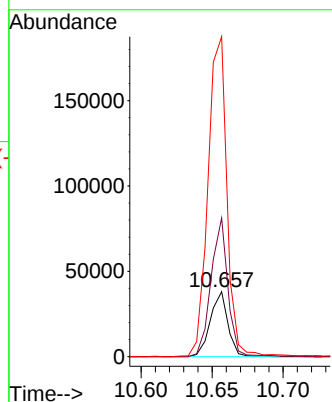
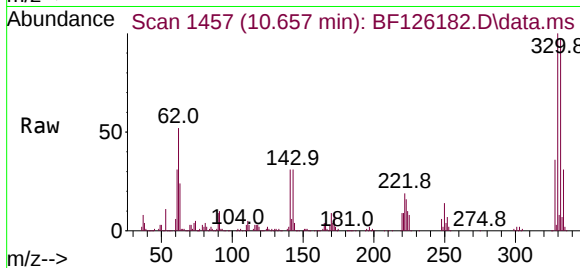




#67  
4-Bromophenyl-phenylether  
Concen: 4.125 ng  
RT: 10.657 min Scan# 14  
Delta R.T. -0.247 min  
Lab File: BF126182.D  
Acq: 13 Nov 2021 22:34

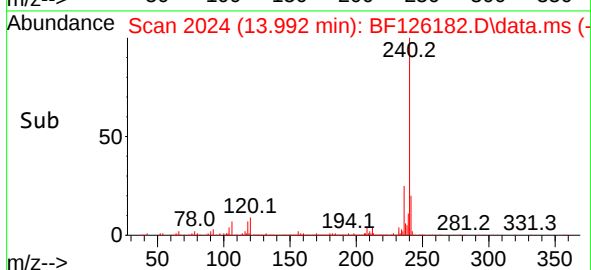
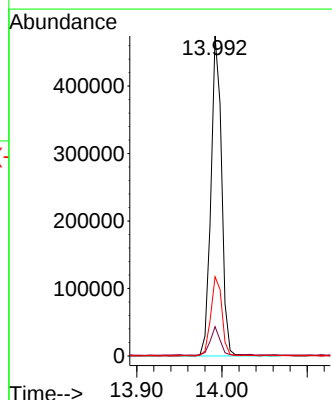
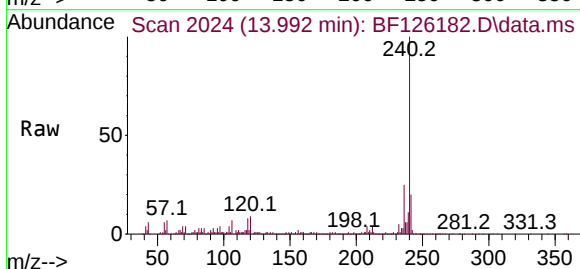
Instrument :  
BNA\_F  
ClientSampleId :  
CMC-OF4-001-002

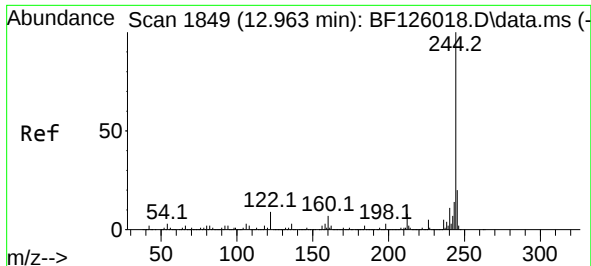
Tgt Ion:248 Resp: 32885  
Ion Ratio Lower Upper  
248 100  
250 213.8 74.2 111.4#  
141 493.1 60.4 90.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.992 min Scan# 2024  
Delta R.T. -0.012 min  
Lab File: BF126182.D  
Acq: 13 Nov 2021 22:34

Tgt Ion:240 Resp: 411693  
Ion Ratio Lower Upper  
240 100  
120 9.2 10.8 16.2#  
236 24.8 21.6 32.4

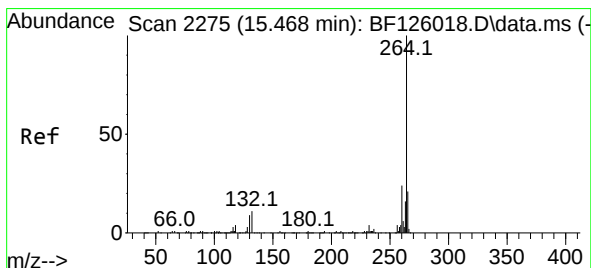
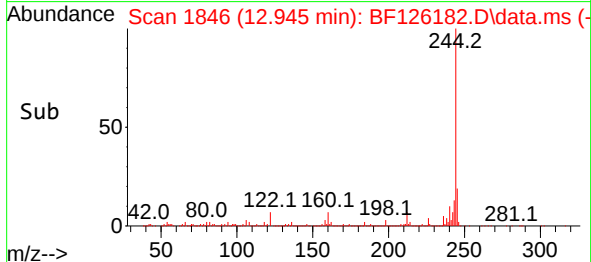
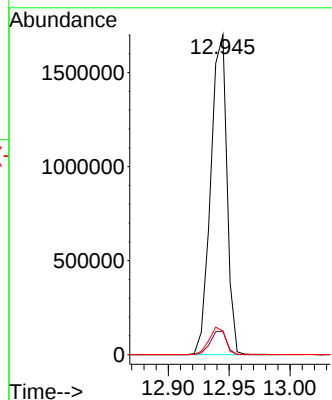
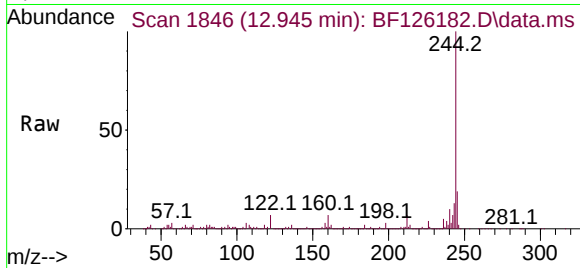




#79  
 Terphenyl-d14  
 Concen: 61.526 ng  
 RT: 12.945 min Scan# 1846  
 Delta R.T. -0.000 min  
 Lab File: BF126182.D  
 Acq: 13 Nov 2021 22:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CMC-OF4-001-002

Tgt Ion:244 Resp: 1570801  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 5.9 8.9  
 122 7.4 9.0 13.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.456 min Scan# 2273  
 Delta R.T. -0.006 min  
 Lab File: BF126182.D  
 Acq: 13 Nov 2021 22:34

Tgt Ion:264 Resp: 601471  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 19.6 29.4  
 265 21.5 17.2 25.8

