

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060523\  
 Data File : BF133576.D  
 Acq On : 05 Jun 2023 20:44  
 Operator : CG\JU  
 Sample : 02983-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB18

Quant Time: Jun 06 01:07:02 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 17:49:53 2023  
 Response via : Initial Calibration

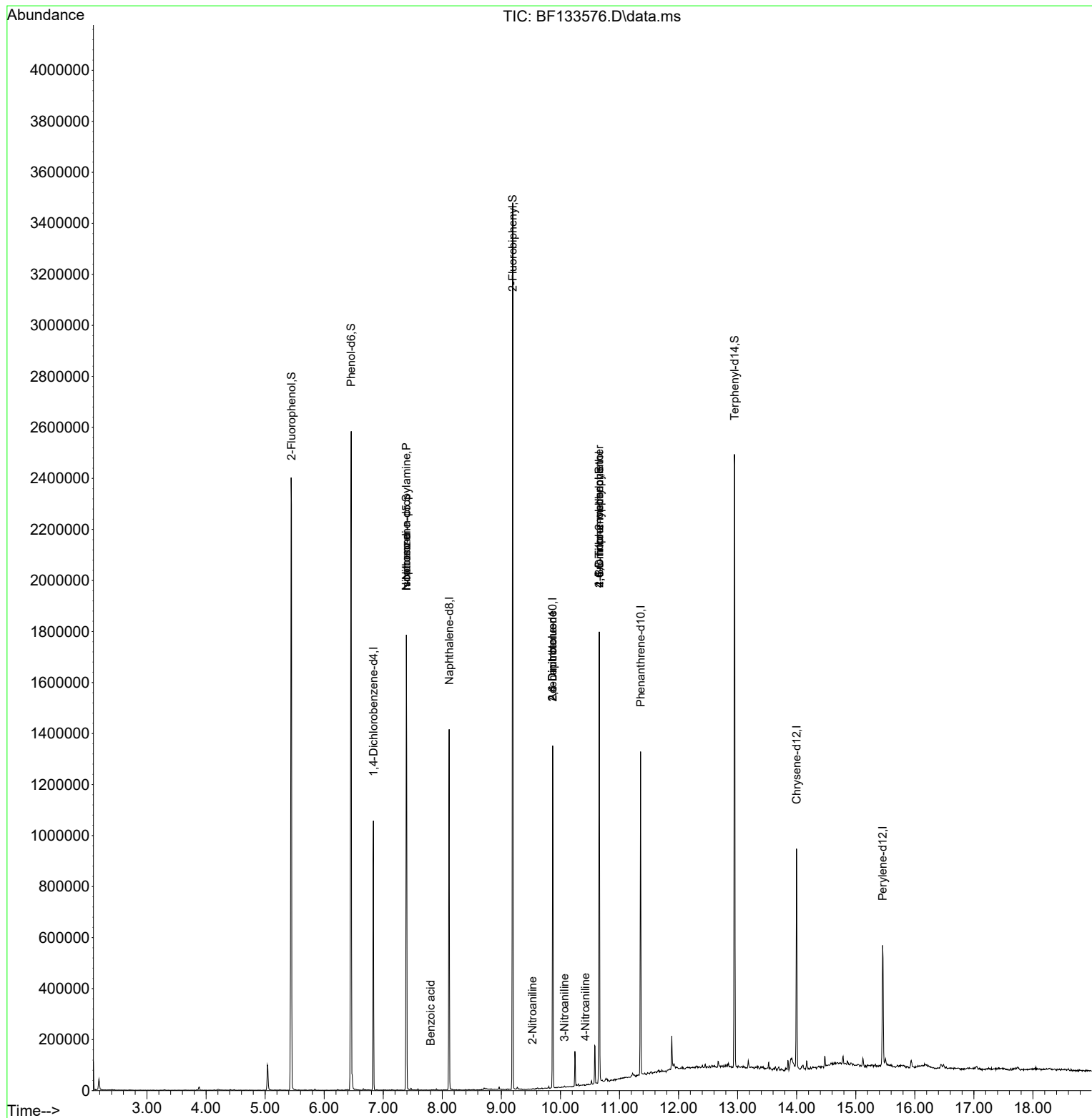
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.834  | 152  | 147148   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 539156   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.869  | 164  | 236983   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 404805   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 13.998 | 240  | 276093   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.457 | 264  | 217889   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 694485   | 78.745    | ng     | 0.01     |
| 7) Phenol-d6                  | 6.457  | 99   | 821008   | 75.622    | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 507644   | 62.866    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 192614   | 81.537    | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 928649   | 60.482    | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 876815   | 56.465    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.387  | 77   | 330      | Below Cal | #      | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.392  | 70   | 69045    | 9.829     | ng     | # 80     |
| 25) Isophorone                | 7.392  | 82   | 506639   | 26.921    | ng     | # 65     |
| 32) Benzoic acid              | 7.804  | 122  | 58       | 7.358     | ng     | # 34     |
| 48) 2-Nitroaniline            | 9.528  | 65   | 59       | 4.003     | ng     | # 6      |
| 51) 2,6-Dinitrotoluene        | 9.869  | 165  | 30288    | 12.513    | ng     | # 18     |
| 53) 3-Nitroaniline            | 10.069 | 138  | 53       | 3.192     | ng     | # 1      |
| 57) 2,4-Dinitrotoluene        | 9.869  | 165  | 30288    | 11.690    | ng     | # 15     |
| 62) 4-Nitroaniline            | 10.422 | 138  | 56       | 2.998     | ng     | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 10.657 | 198  | 452      | 8.935     | ng     | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.657 | 248  | 11905    | 2.769     | ng     | # 1      |
| -----                         |        |      |          |           |        |          |

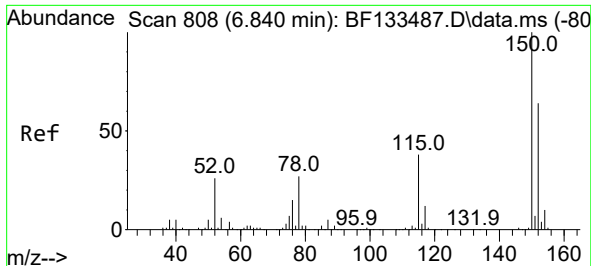
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 05 17:49:53 2023  
Response via : Initial Calibration

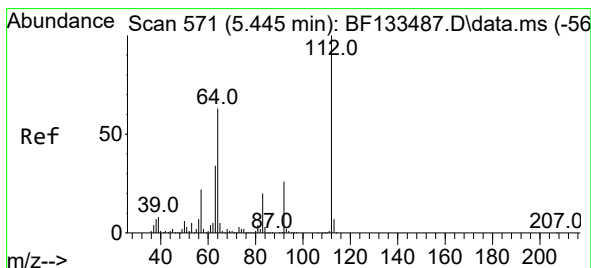
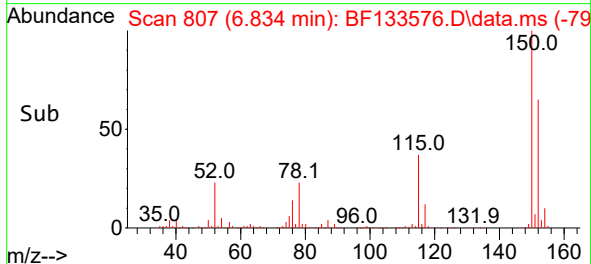
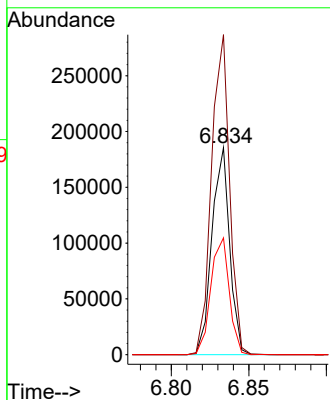
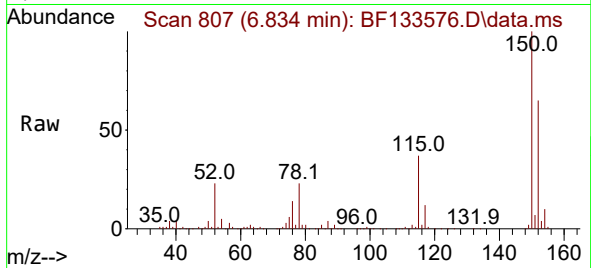




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.834 min Scan# 808  
Delta R.T. -0.000 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

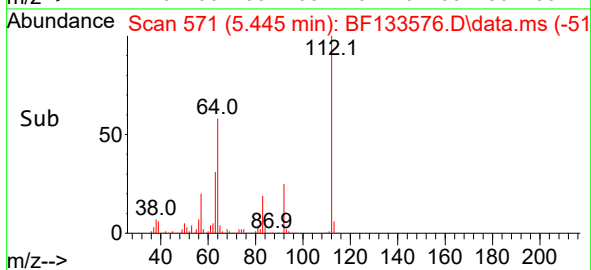
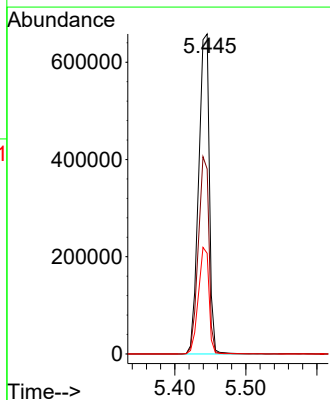
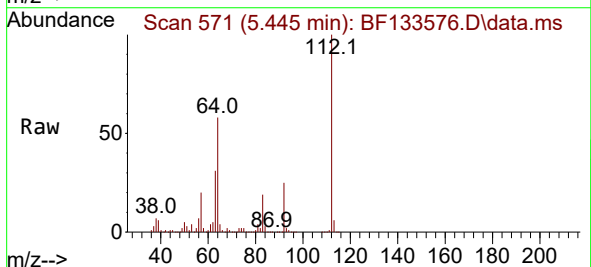
Instrument :  
BNA\_F  
ClientSampleId :  
SB18

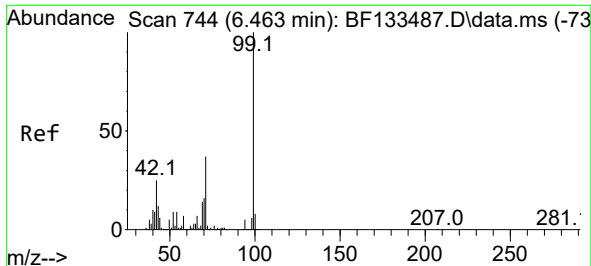
Tgt Ion:152 Resp: 147148  
Ion Ratio Lower Upper  
152 100  
150 154.6 124.9 187.3  
115 56.4 48.1 72.1



#5  
2-Fluorophenol  
Concen: 78.745 ng  
RT: 5.445 min Scan# 571  
Delta R.T. 0.012 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

Tgt Ion:112 Resp: 694485  
Ion Ratio Lower Upper  
112 100  
64 57.8 50.1 75.1  
63 31.4 27.5 41.3





#7

Phenol-d6

Concen: 75.622 ng

RT: 6.457 min Scan# 744

Delta R.T. 0.000 min

Lab File: BF133576.D

Acq: 05 Jun 2023 20:44

Instrument :

BNA\_F

ClientSampleId :

SB18

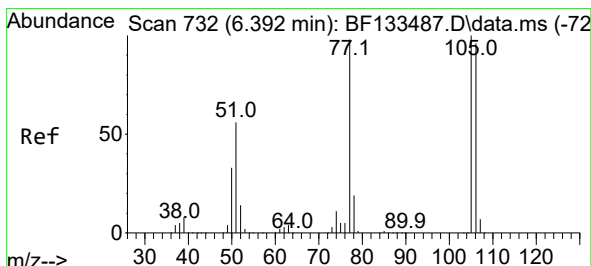
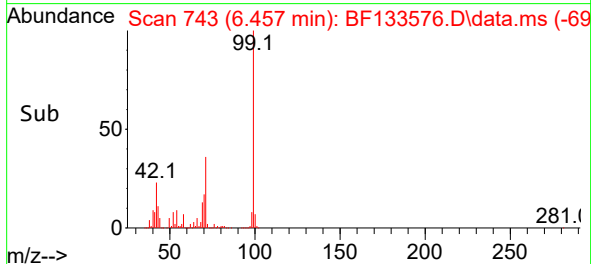
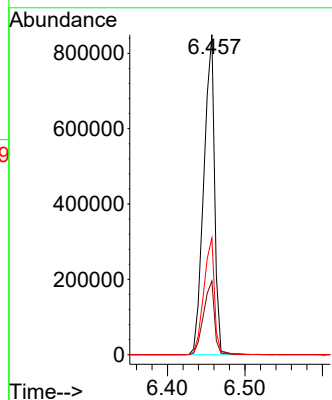
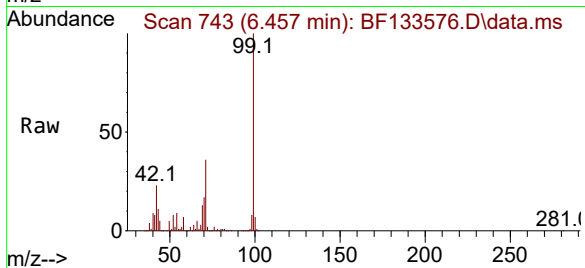
Tgt Ion: 99 Resp: 821008

Ion Ratio Lower Upper

99 100

42 23.0 19.7 29.5

71 36.5 29.8 44.8



#9

Benzaldehyde

Concen: Below Cal

RT: 6.387 min Scan# 731

Delta R.T. 0.006 min

Lab File: BF133576.D

Acq: 05 Jun 2023 20:44

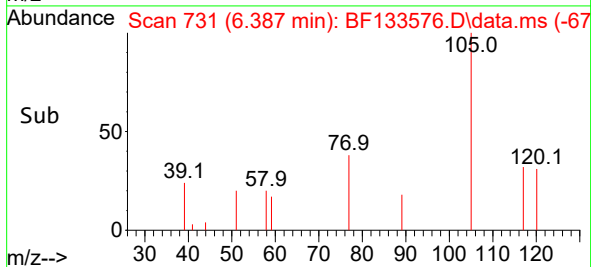
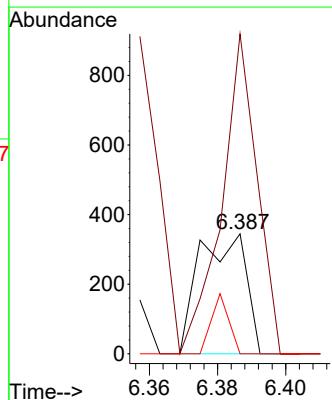
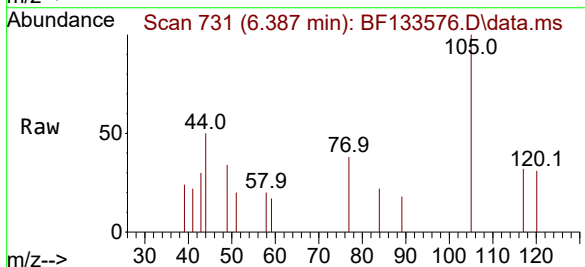
Tgt Ion: 77 Resp: 330

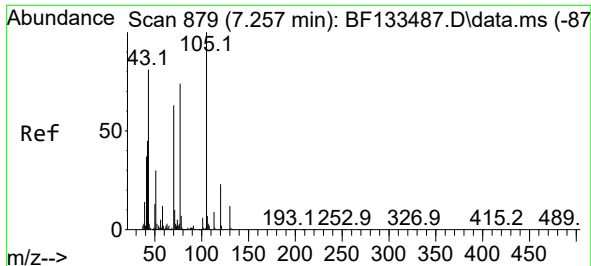
Ion Ratio Lower Upper

77 100

105 266.4 81.9 121.9#

106 0.0 77.8 117.8#

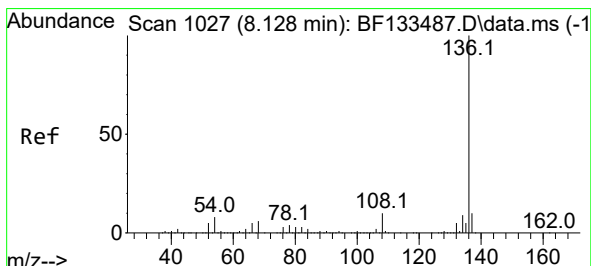
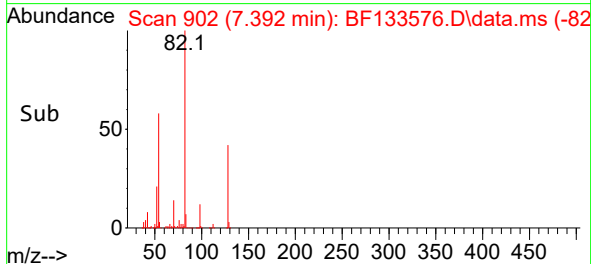
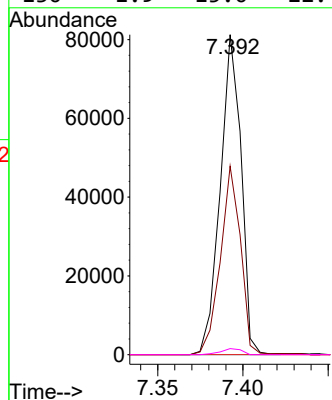
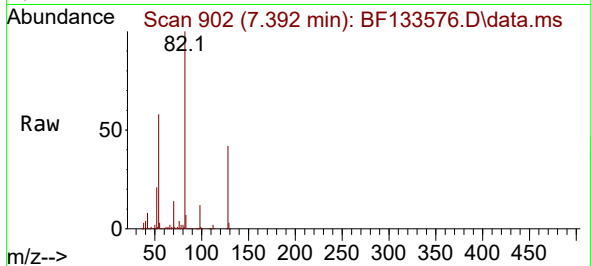




#19  
n-Nitroso-di-n-propylamine  
Concen: 9.829 ng  
RT: 7.392 min Scan# 90  
Delta R.T. 0.141 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

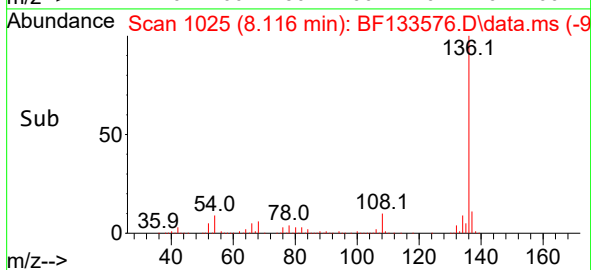
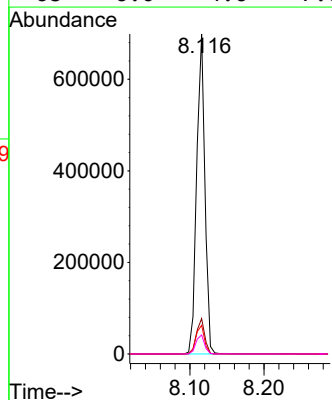
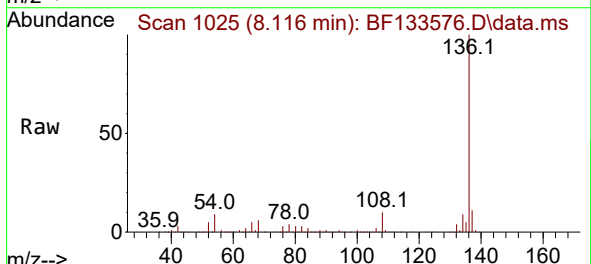
Instrument :  
BNA\_F  
ClientSampleId :  
SB18

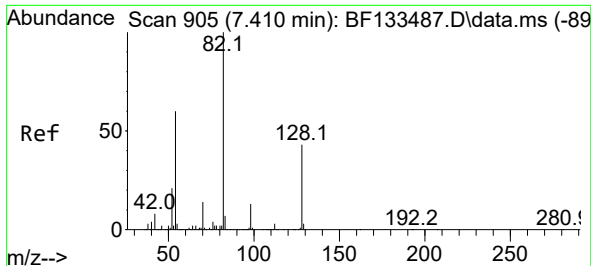
|             |                |
|-------------|----------------|
| Tgt Ion: 70 | Resp: 69045    |
| Ion Ratio   | Lower Upper    |
| 70          | 100            |
| 42          | 58.9 57.2 85.8 |
| 101         | 0.0 7.3 10.9#  |
| 130         | 1.9 15.0 22.4# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. 0.000 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

|              |               |
|--------------|---------------|
| Tgt Ion: 136 | Resp: 539156  |
| Ion Ratio    | Lower Upper   |
| 136          | 100           |
| 137          | 11.0 8.2 12.4 |
| 54           | 9.0 6.6 10.0  |
| 68           | 6.0 4.6 7.0   |





#23

Nitrobenzene-d5

Concen: 62.866 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF133576.D

Acq: 05 Jun 2023 20:44

Instrument :

BNA\_F

ClientSampleId :

SB18

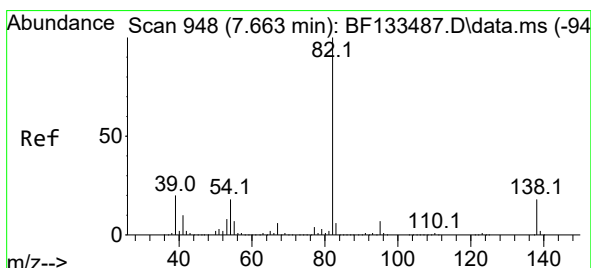
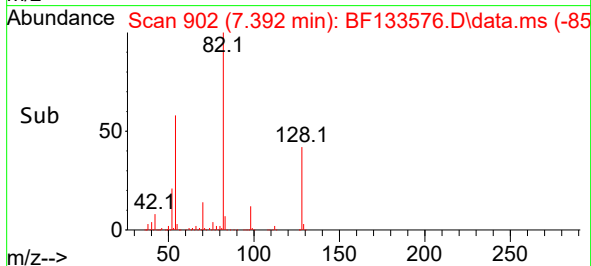
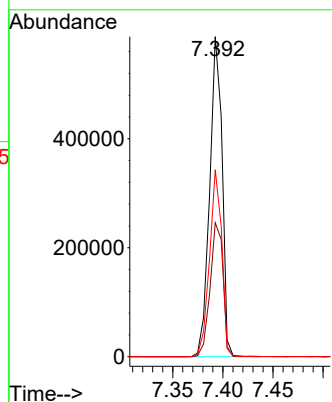
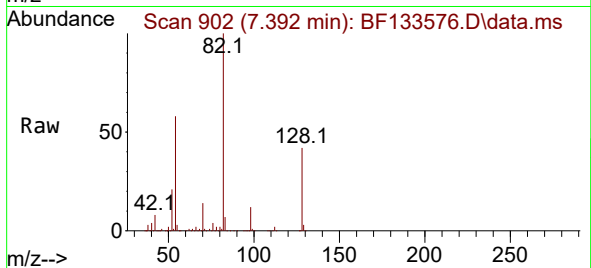
Tgt Ion: 82 Resp: 507644

Ion Ratio Lower Upper

82 100

128 41.9 34.2 51.4

54 58.4 48.2 72.4



#25

Isophorone

Concen: 26.921 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133576.D

Acq: 05 Jun 2023 20:44

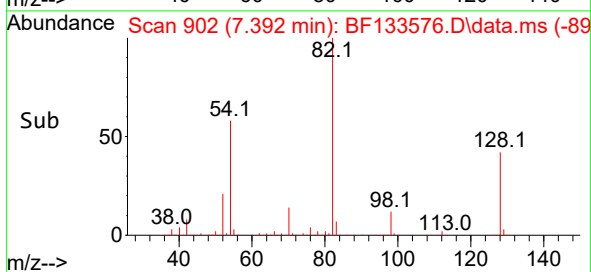
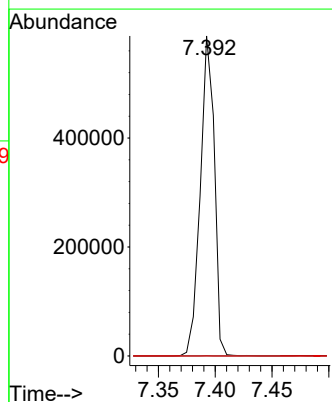
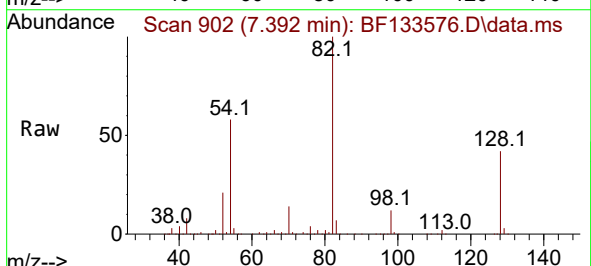
Tgt Ion: 82 Resp: 506639

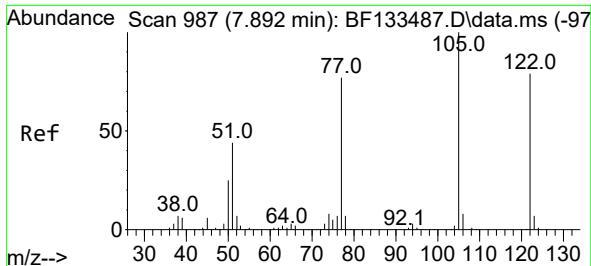
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

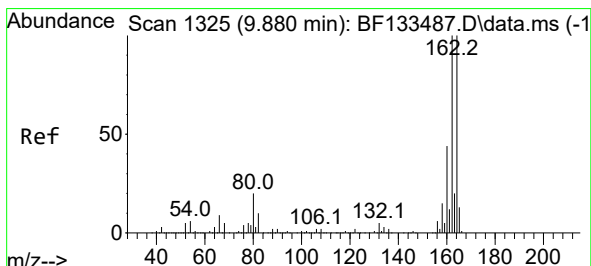
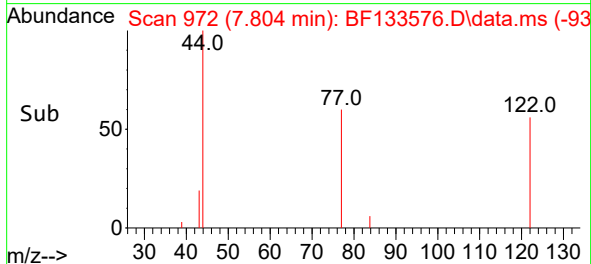
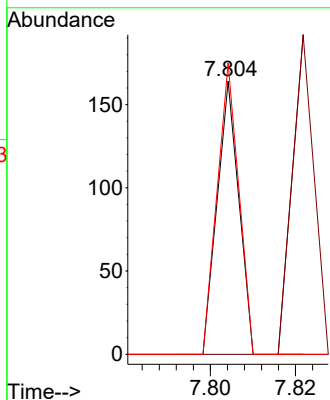
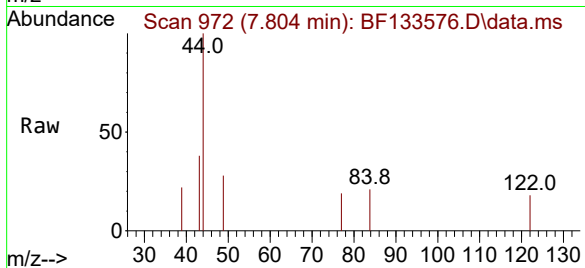




#32  
Benzoic acid  
Concen: 7.358 ng  
RT: 7.804 min Scan# 91  
Delta R.T. -0.059 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

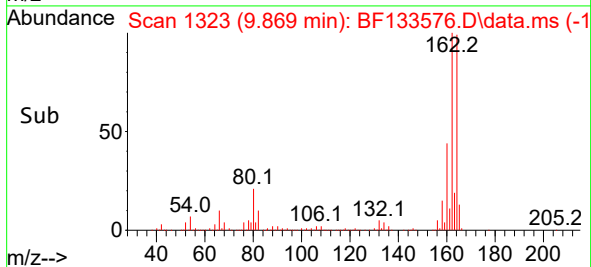
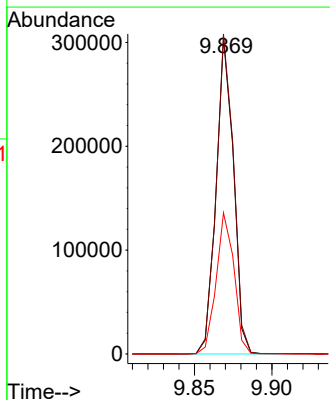
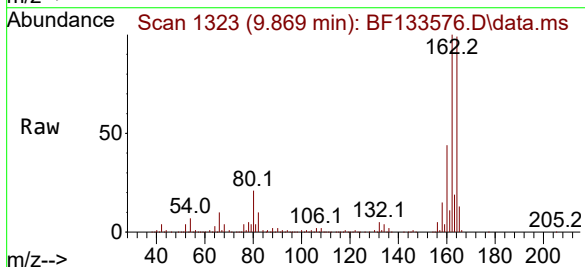
Instrument :  
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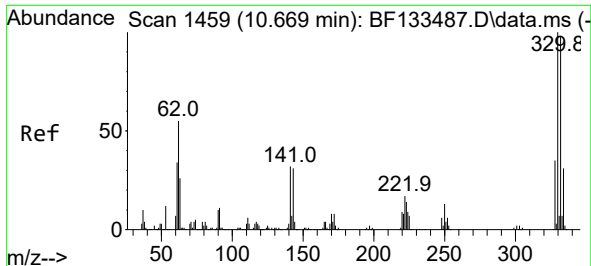
Tgt Ion:122 Resp: 58  
Ion Ratio Lower Upper  
122 100  
105 0.0 103.3 143.3#  
77 106.7 75.7 115.7



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.006 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

Tgt Ion:164 Resp: 236983  
Ion Ratio Lower Upper  
164 100  
162 101.3 79.7 119.5  
160 44.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 81.537 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133576.D

Acq: 05 Jun 2023 20:44

Instrument :

BNA\_F

ClientSampleId :

SB18

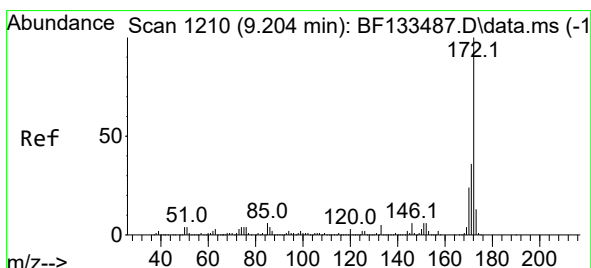
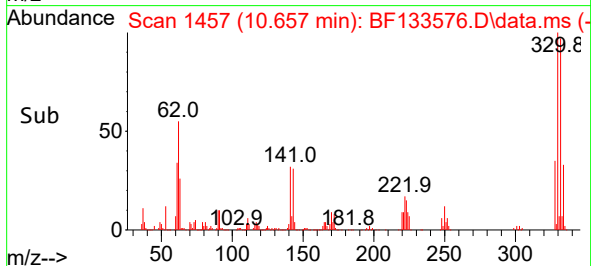
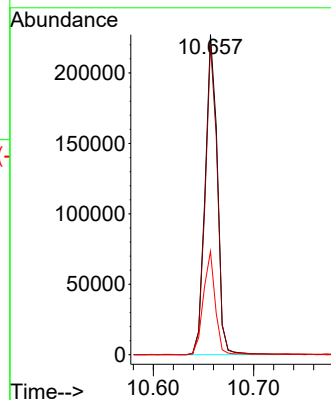
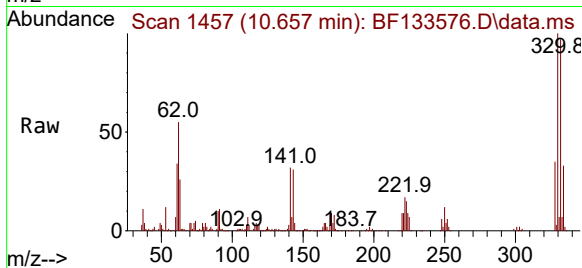
Tgt Ion:330 Resp: 192614

Ion Ratio Lower Upper

330 100

332 96.3 77.8 116.6

141 31.6 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 60.482 ng

RT: 9.192 min Scan# 1208

Delta R.T. 0.000 min

Lab File: BF133576.D

Acq: 05 Jun 2023 20:44

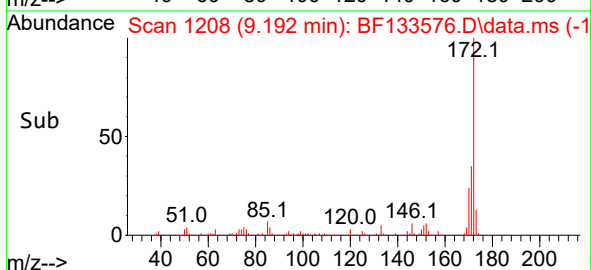
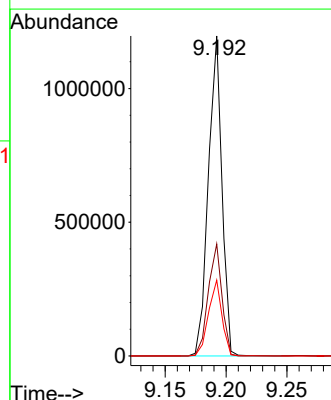
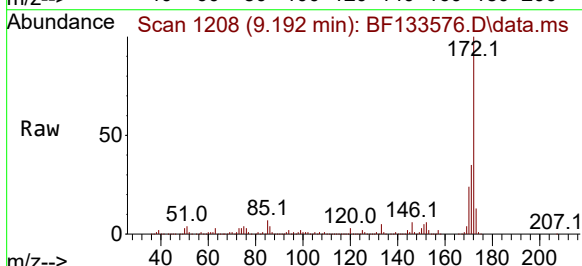
Tgt Ion:172 Resp: 928649

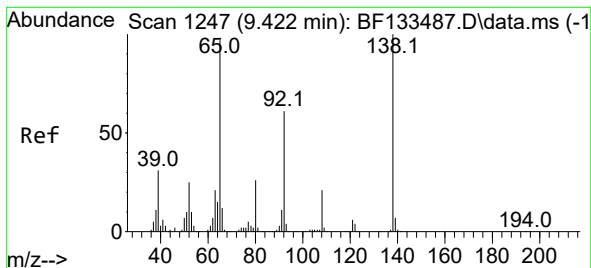
Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.7 19.3 28.9





#48

2-Nitroaniline

Concen: 4.003 ng

RT: 9.528 min Scan# 11

Delta R.T. 0.118 min

Lab File: BF133576.D

Acq: 05 Jun 2023 20:44

Instrument :

BNA\_F

ClientSampleId :

SB18

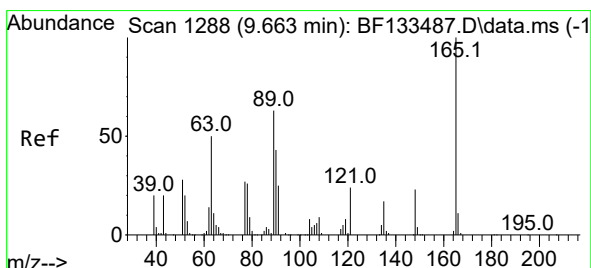
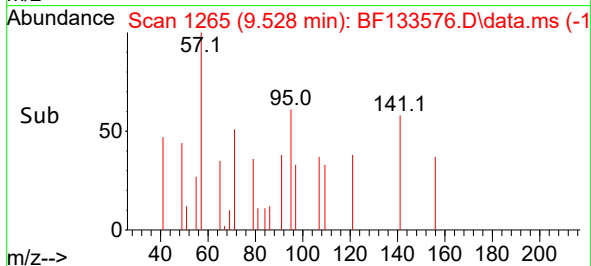
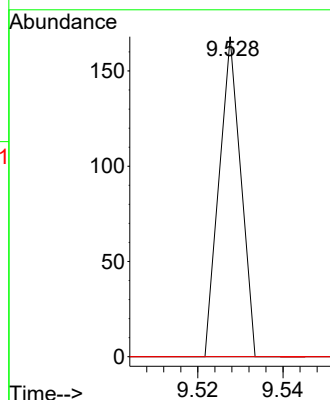
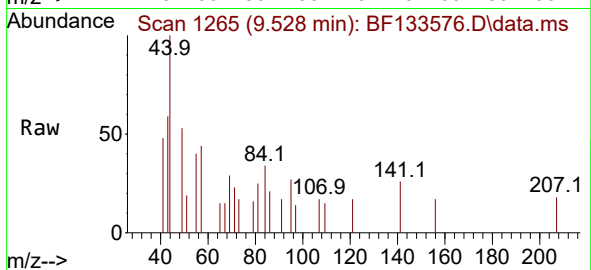
Tgt Ion: 65 Resp: 59

Ion Ratio Lower Upper

65 100

92 0.0 50.8 76.2#

138 0.0 82.6 124.0#



#51

2,6-Dinitrotoluene

Concen: 12.513 ng

RT: 9.869 min Scan# 1323

Delta R.T. 0.212 min

Lab File: BF133576.D

Acq: 05 Jun 2023 20:44

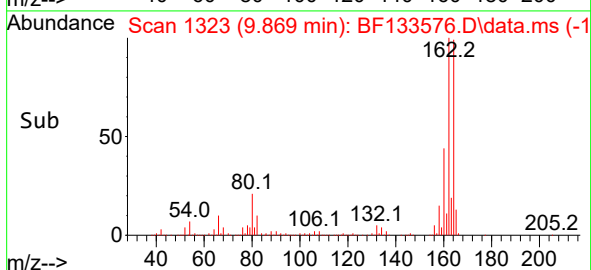
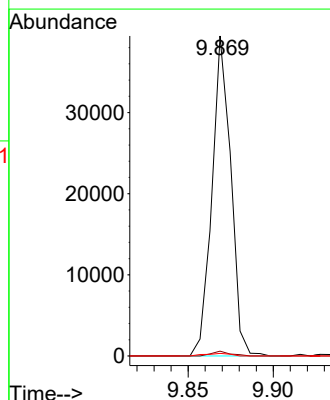
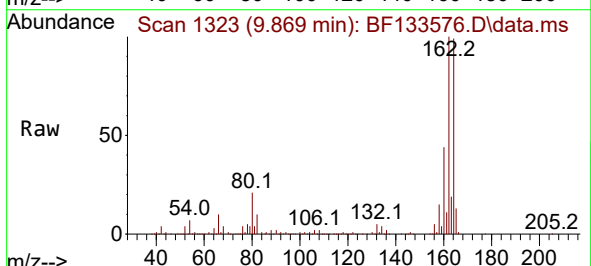
Tgt Ion: 165 Resp: 30288

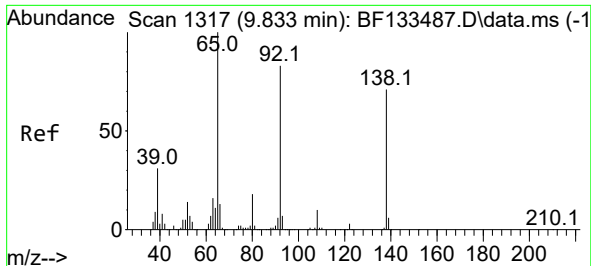
Ion Ratio Lower Upper

165 100

63 1.5 57.0 85.4#

89 0.8 50.8 76.2#

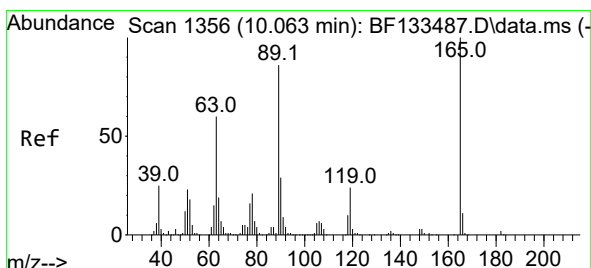
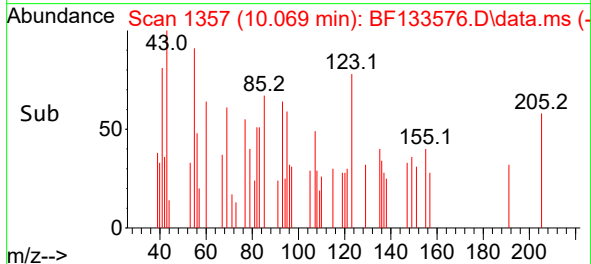
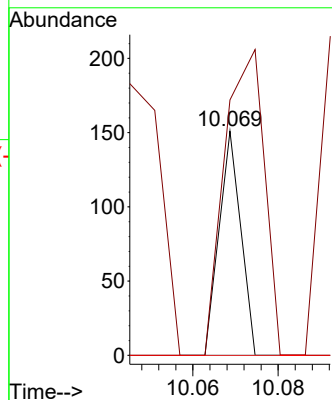
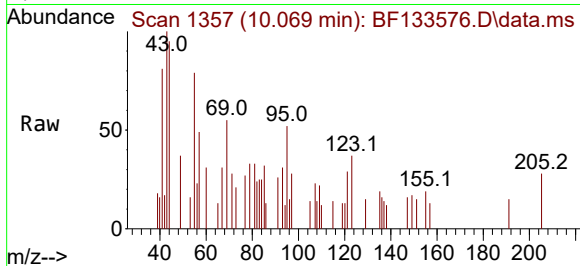




#53  
3-Nitroaniline  
Concen: 3.192 ng  
RT: 10.069 min Scan# 11  
Delta R.T. 0.241 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

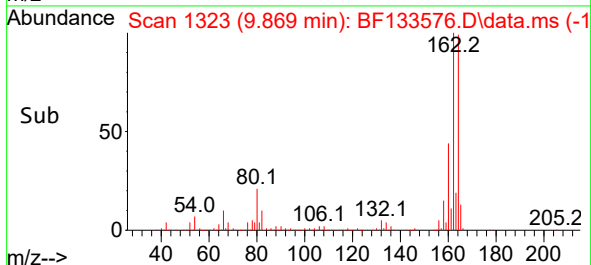
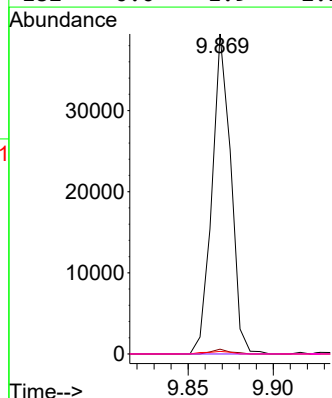
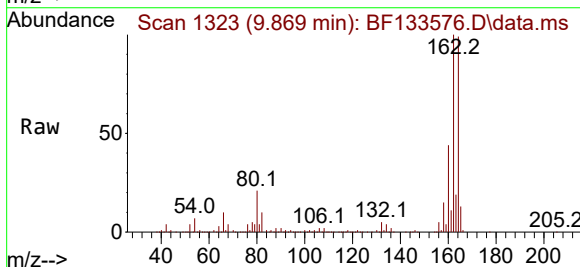
Instrument :  
BNA\_F  
ClientSampleId :  
SB18

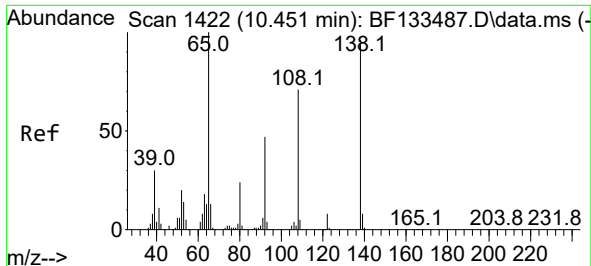
Tgt Ion:138 Resp: 53  
Ion Ratio Lower Upper  
138 100  
108 113.9 11.9 17.9#  
92 0.0 93.1 139.7#



#57  
2,4-Dinitrotoluene  
Concen: 11.690 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.188 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

Tgt Ion:165 Resp: 30288  
Ion Ratio Lower Upper  
165 100  
63 1.5 48.1 72.1#  
89 0.8 68.4 102.6#  
182 0.0 1.9 2.9#

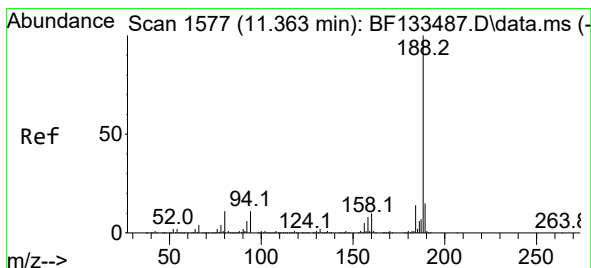
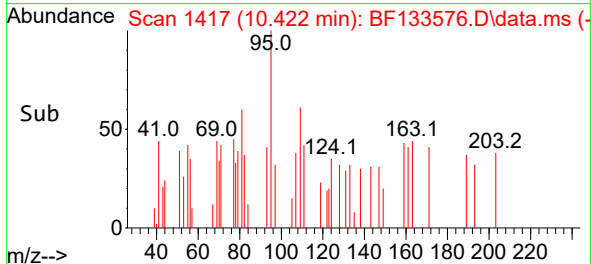
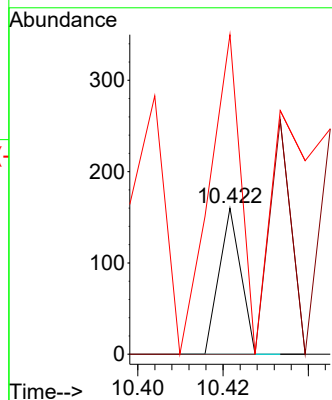
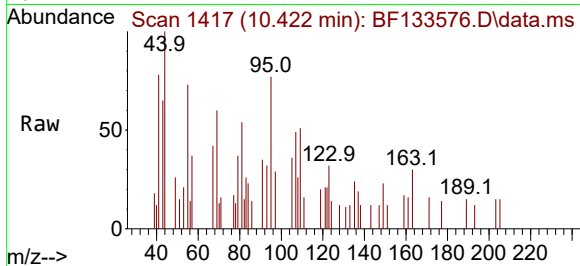




#62  
4-Nitroaniline  
Concen: 2.998 ng  
RT: 10.422 min Scan# 1422  
Delta R.T. -0.018 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

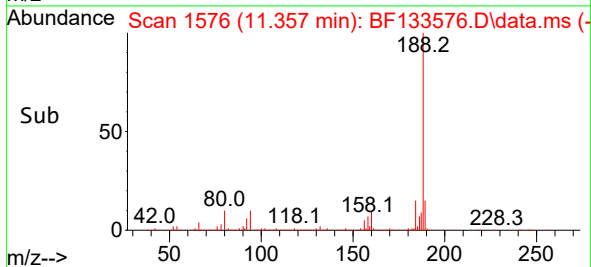
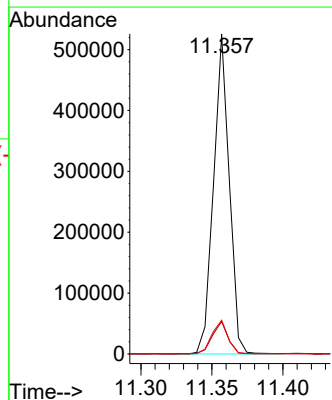
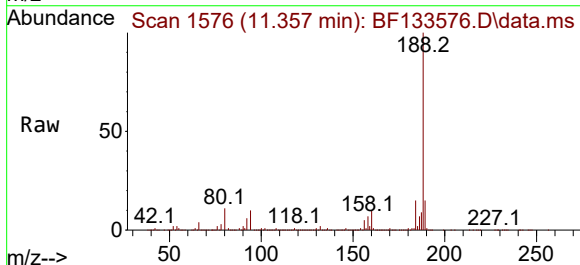
Instrument :  
BNA\_F  
ClientSampleId :  
SB18

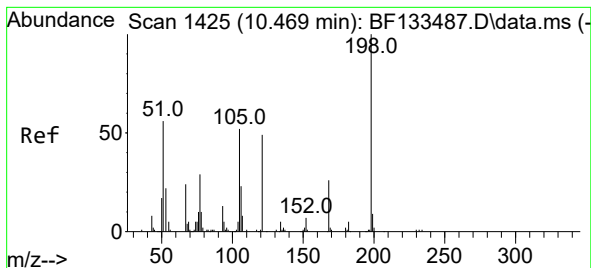
Tgt Ion:138 Resp: 56  
Ion Ratio Lower Upper  
138 100  
92 0.0 28.4 68.4#  
108 218.7 54.2 94.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.357 min Scan# 1576  
Delta R.T. 0.000 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

Tgt Ion:188 Resp: 404805  
Ion Ratio Lower Upper  
188 100  
94 10.2 8.6 12.8  
80 10.5 9.2 13.8

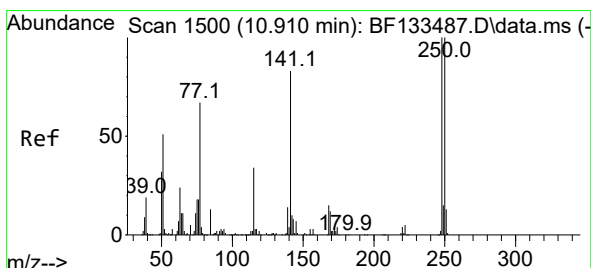
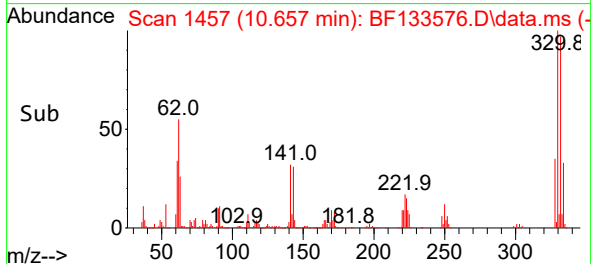
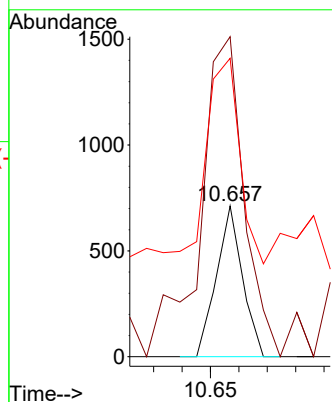
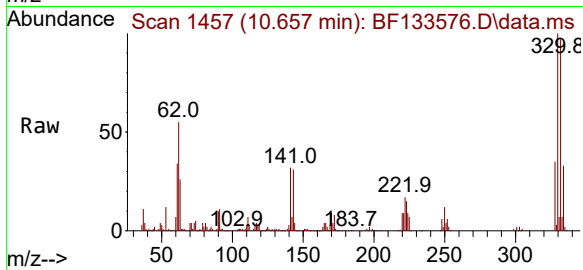




#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.935 ng  
RT: 10.657 min Scan# 1425  
Delta R.T. 0.194 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

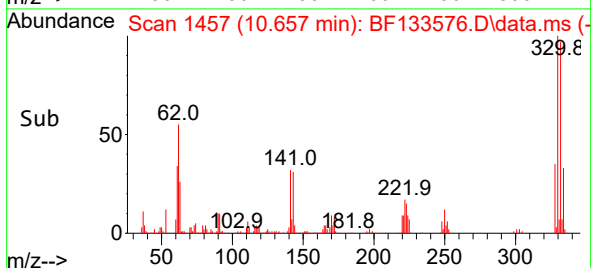
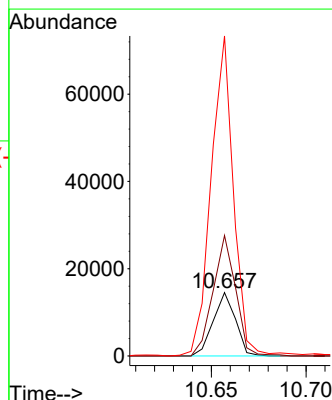
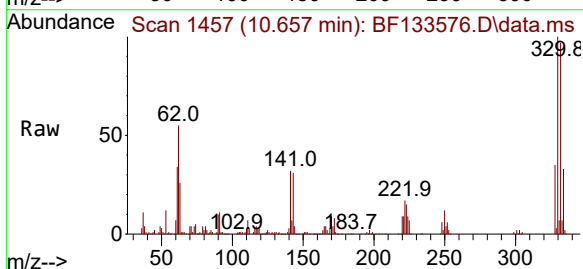
Instrument :  
BNA\_F  
ClientSampleId :  
SB18

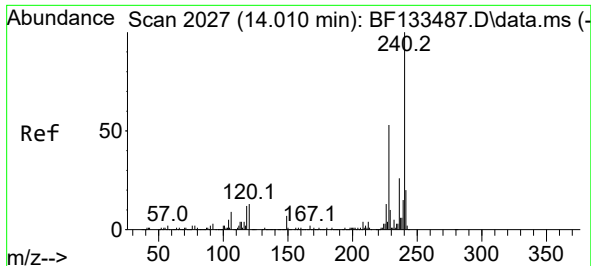
Tgt Ion:198 Resp: 452  
Ion Ratio Lower Upper  
198 100  
51 212.4 53.6 93.6#  
105 198.0 35.9 75.9#



#67  
4-Bromophenyl-phenylether  
Concen: 2.769 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. -0.247 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

Tgt Ion:248 Resp: 11905  
Ion Ratio Lower Upper  
248 100  
250 189.9 79.7 119.5#  
141 504.4 66.6 100.0#

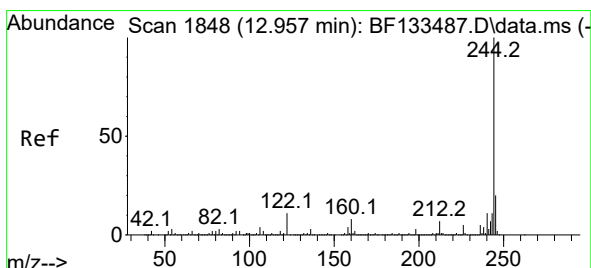
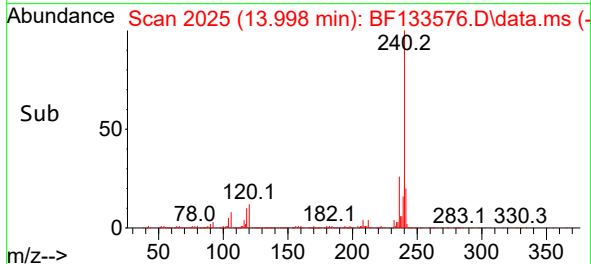
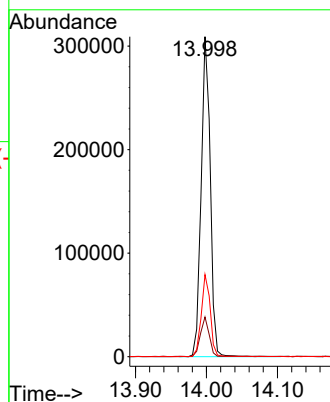
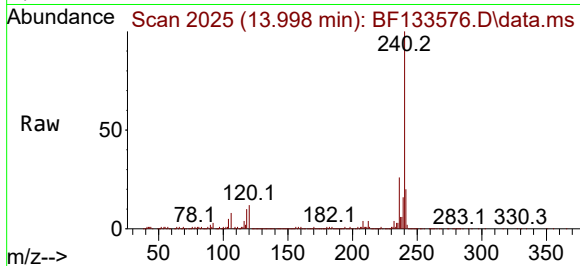




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.998 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

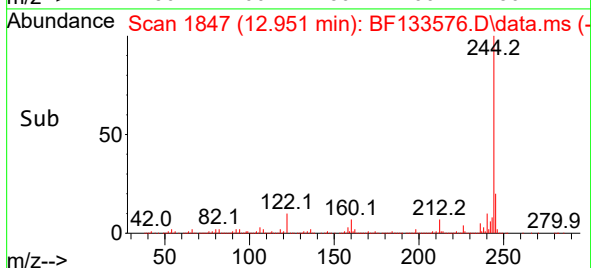
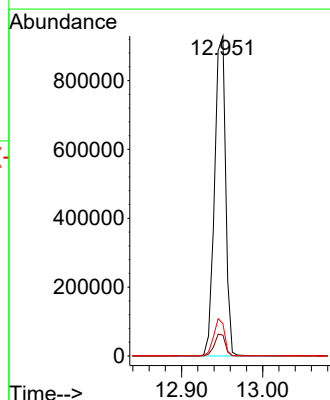
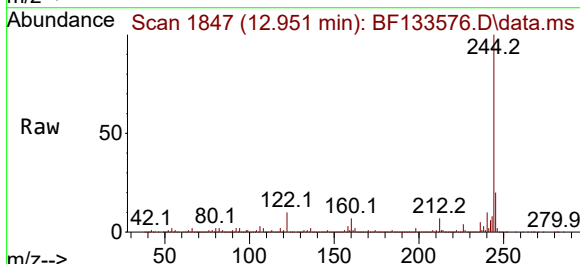
Instrument :  
BNA\_F  
ClientSampleId :  
SB18

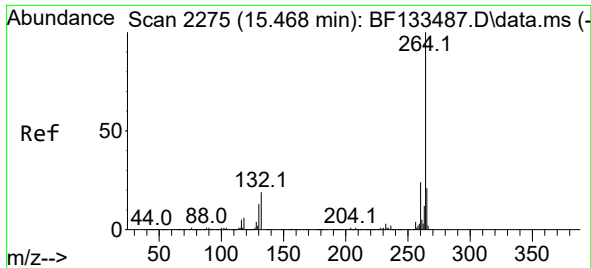
Tgt Ion:240 Resp: 276093  
Ion Ratio Lower Upper  
240 100  
120 12.4 10.3 15.5  
236 25.7 20.5 30.7



#79  
Terphenyl-d14  
Concen: 56.465 ng  
RT: 12.951 min Scan# 1847  
Delta R.T. 0.006 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

Tgt Ion:244 Resp: 876815  
Ion Ratio Lower Upper  
244 100  
212 6.5 5.8 8.6  
122 10.0 8.5 12.7





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.457 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF133576.D  
Acq: 05 Jun 2023 20:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB18

Tgt Ion:264 Resp: 217889  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.6  | 19.0  | 28.4  |
| 265 | 21.8  | 16.8  | 25.2  |

