

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
 Data File : BF126451.D  
 Acq On : 3 Jan 2022 12:33  
 Operator : JU/CG  
 Sample : M5244-08 5X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONC-2C

Quant Time: Jan 03 12:58:29 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 30 04:30:49 2021  
 Response via : Initial Calibration

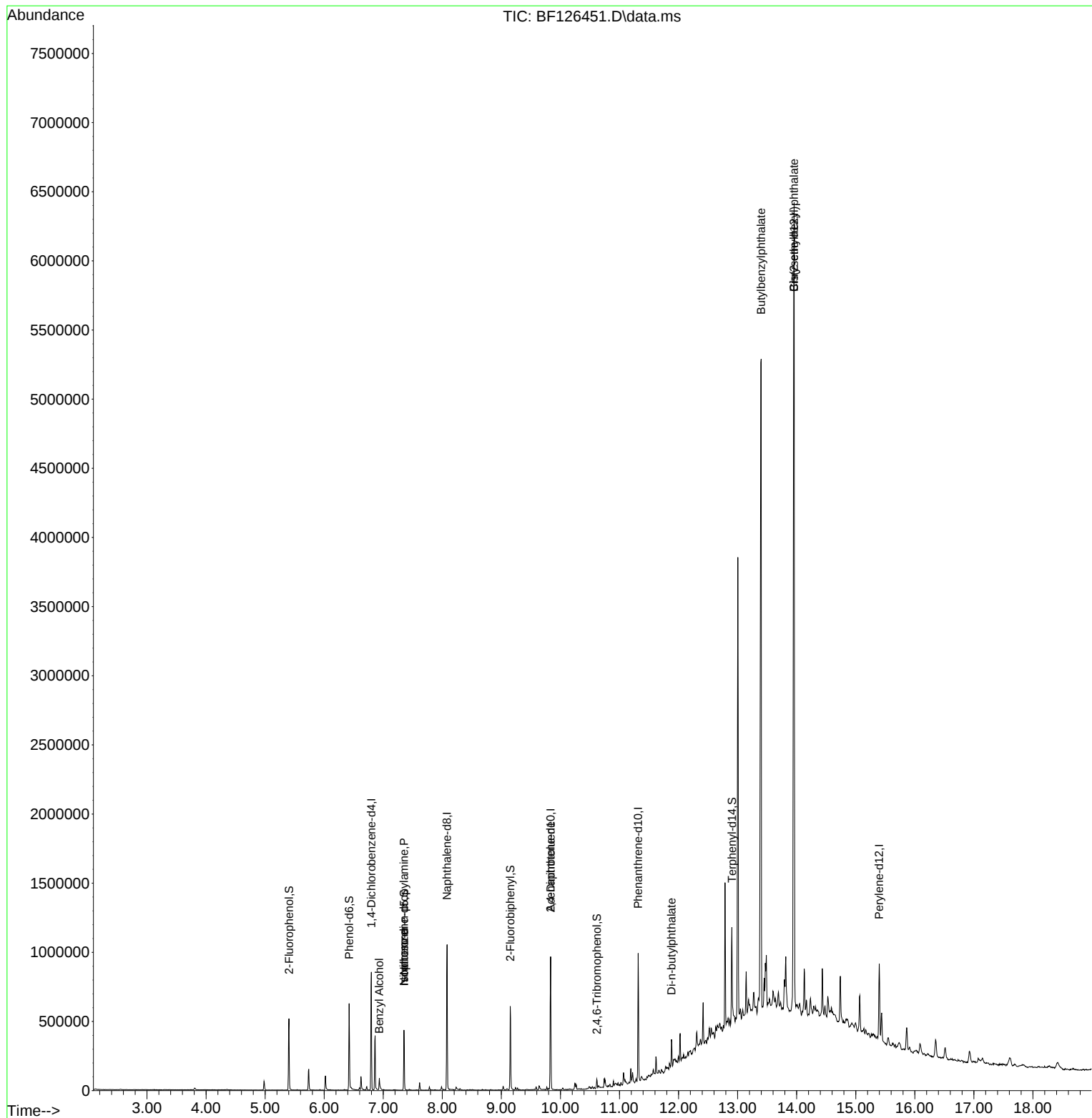
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 121271   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.081  | 136  | 446403   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.833  | 164  | 179858   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 305730   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.957 | 240  | 173121   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.398 | 264  | 225232   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 146976   | 17.405    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.422  | 99   | 201242   | 18.399    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 126533   | 14.554    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 6898     | 4.963     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 183408   | 17.945    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.904 | 244  | 187334   | 21.024    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 15) Benzyl Alcohol            | 6.934  | 79   | 16462    | 2.151     | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 14769    | 2.366     | ng    | # 86     |
| 25) Isophorone                | 7.351  | 82   | 126379   | 8.120     | ng    | # 69     |
| 57) 2,4-Dinitrotoluene        | 9.833  | 165  | 22859    | 7.307     | ng    | # 15     |
| 74) Di-n-butylphthalate       | 11.880 | 149  | 95326    | 5.467     | ng    | 99       |
| 77) Benzidine                 | 12.639 | 184  | 752      | Below Cal | #     | 1        |
| 80) Butylbenzylphthalate      | 13.398 | 149  | 1424633  | 219.750   | ng    | # 96     |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149  | 1884058  | 280.424   | ng    | # 99     |
| -----                         |        |      |          |           |       |          |

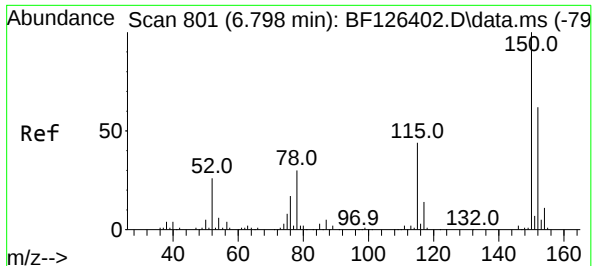
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 30 04:30:49 2021  
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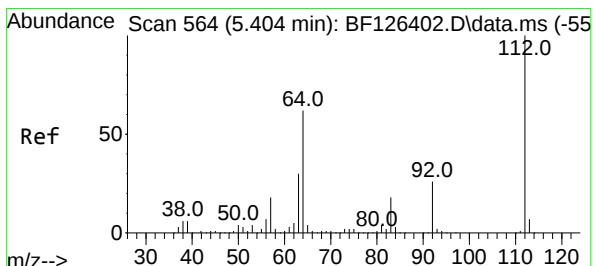
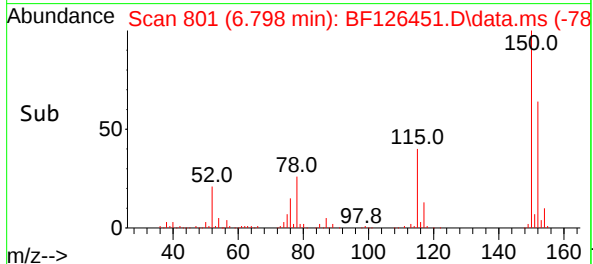
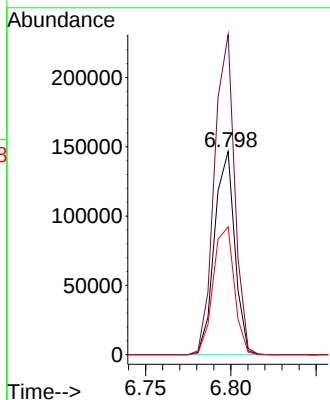
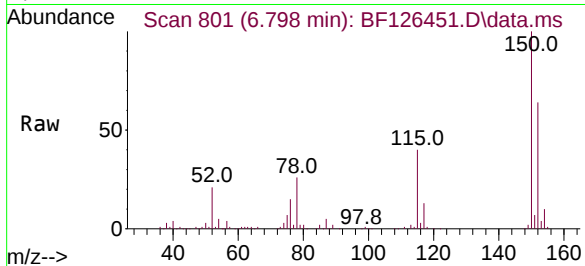




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.798 min Scan# 801  
Delta R.T. 0.000 min  
Lab File: BF126451.D  
Acq: 3 Jan 2022 12:33

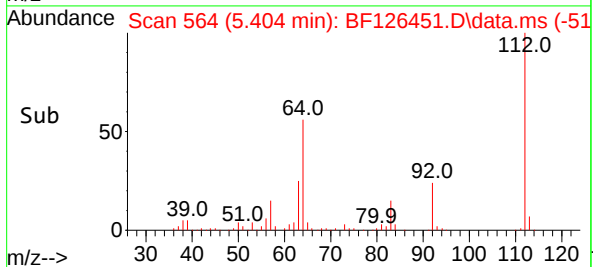
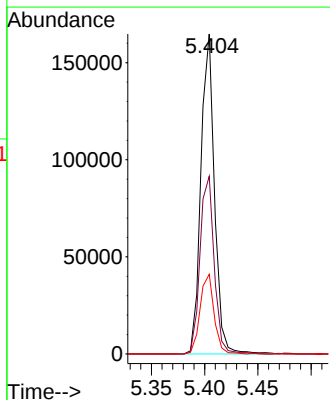
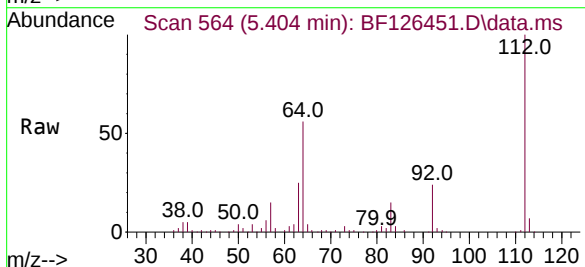
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-2C

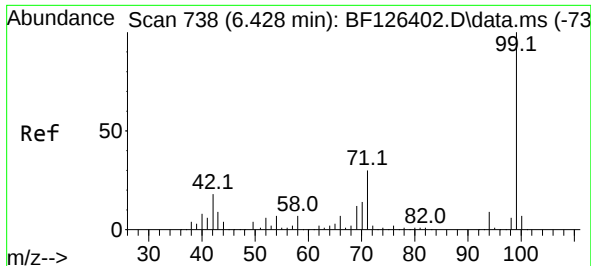
Tgt Ion:152 Resp: 121271  
Ion Ratio Lower Upper  
152 100  
150 157.4 128.1 192.1  
115 62.9 56.7 85.1



#5  
2-Fluorophenol  
Concen: 17.405 ng  
RT: 5.404 min Scan# 564  
Delta R.T. 0.000 min  
Lab File: BF126451.D  
Acq: 3 Jan 2022 12:33

Tgt Ion:112 Resp: 146976  
Ion Ratio Lower Upper  
112 100  
64 55.5 49.5 74.3  
63 24.9 23.9 35.9



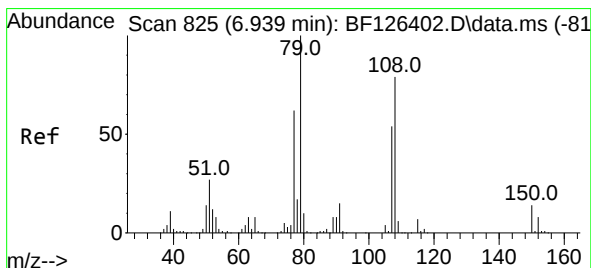
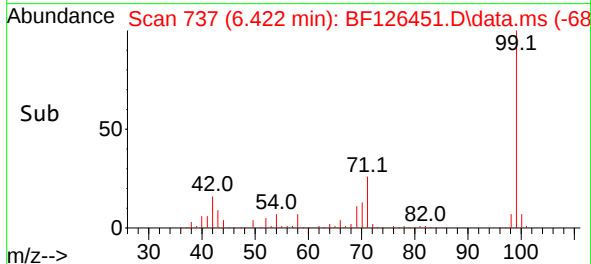
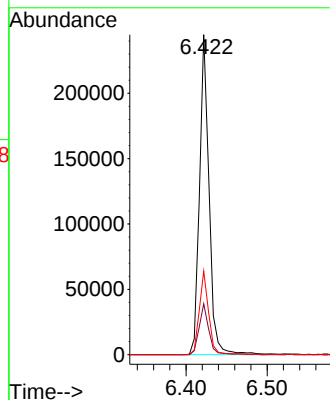
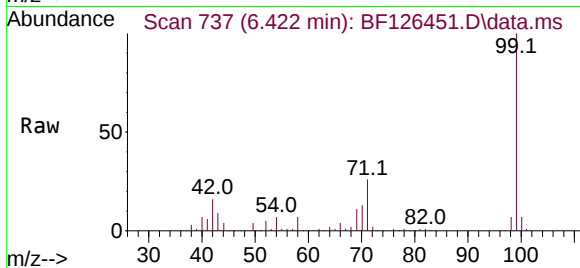


#7  
Phenol-d6  
Concen: 18.399 ng  
RT: 6.422 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF126451.D  
Acq: 3 Jan 2022 12:33

Instrument :  
BNA\_F  
ClientSampleId :  
CONC-2C

Tgt Ion: 99 Resp: 201242

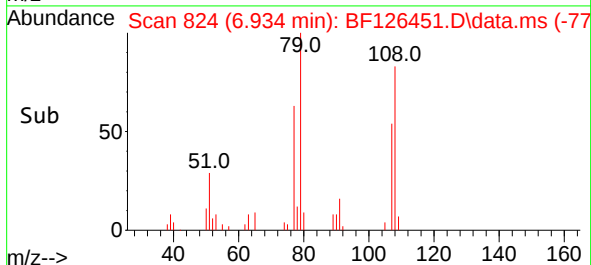
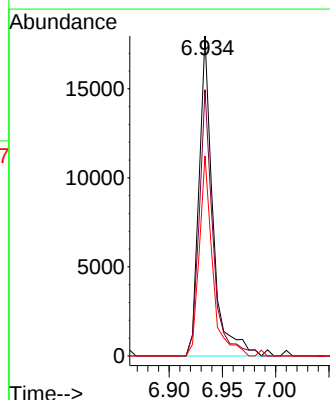
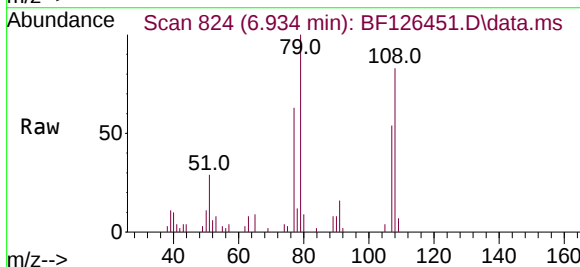
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.9  | 14.2  | 21.4  |
| 71  | 26.2  | 24.3  | 36.5  |

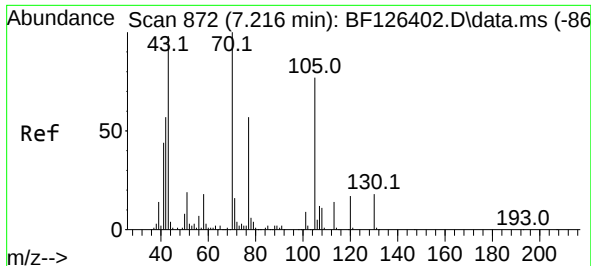


#15  
Benzyl Alcohol  
Concen: 2.151 ng  
RT: 6.934 min Scan# 824  
Delta R.T. -0.006 min  
Lab File: BF126451.D  
Acq: 3 Jan 2022 12:33

Tgt Ion: 79 Resp: 16462

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 83.2  | 63.2  | 94.8  |
| 77  | 62.5  | 49.4  | 74.2  |

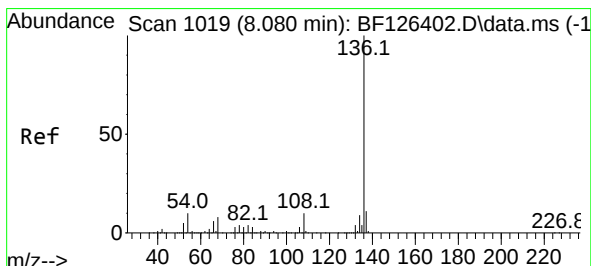
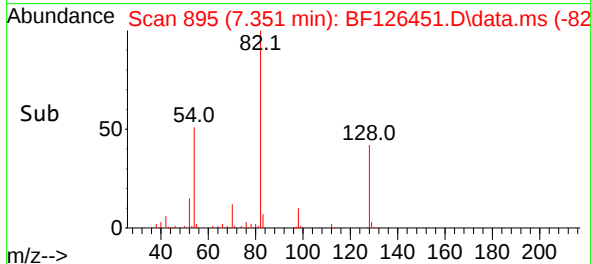
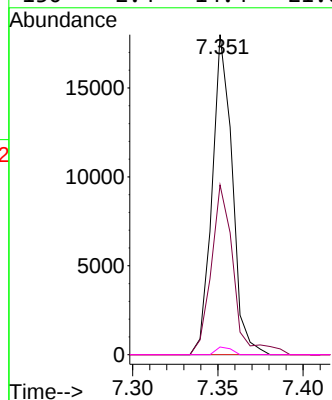
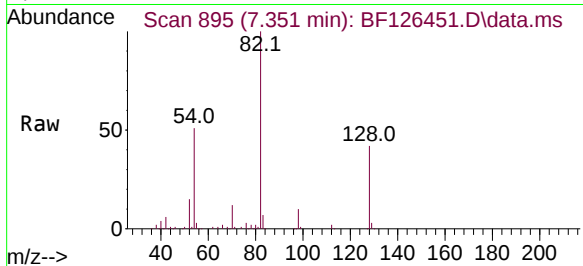




#19  
n-Nitroso-di-n-propylamine  
Concen: 2.366 ng  
RT: 7.351 min Scan# 895  
Delta R.T. 0.135 min  
Lab File: BF126451.D  
Acq: 3 Jan 2022 12:33

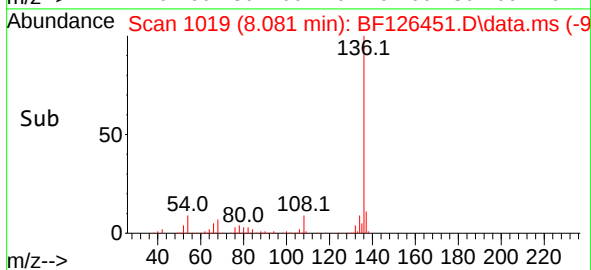
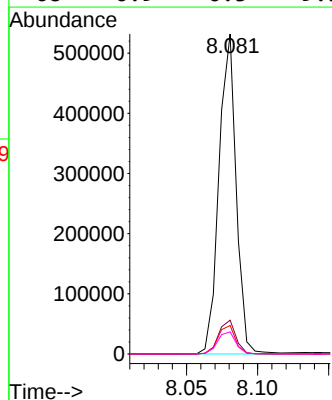
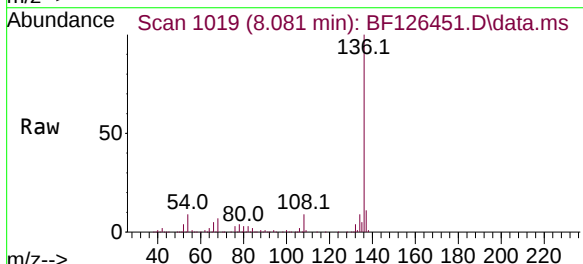
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-2C

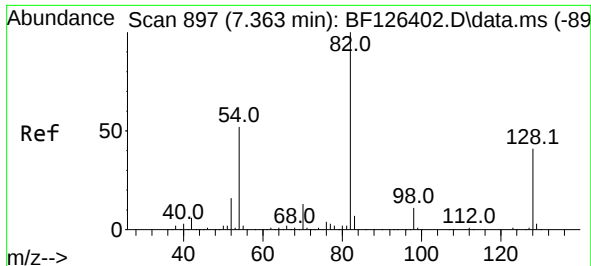
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 14769 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 53.0  | 45.8  | 68.8  |
| 101      | 0.0   | 6.9   | 10.3# |
| 130      | 2.4   | 14.4  | 21.6# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.081 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: BF126451.D  
Acq: 3 Jan 2022 12:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 446403 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.6  | 8.6   | 13.0   |
| 54       | 8.9   | 7.8   | 11.6   |
| 68       | 6.9   | 6.3   | 9.5    |





#23

Nitrobenzene-d5

Concen: 14.554 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF126451.D

Acq: 3 Jan 2022 12:33

Instrument :

BNA\_F

ClientSampleId :

CONC-2C

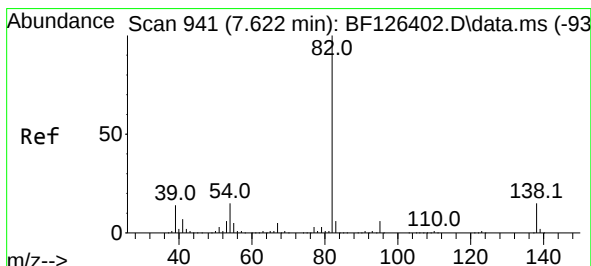
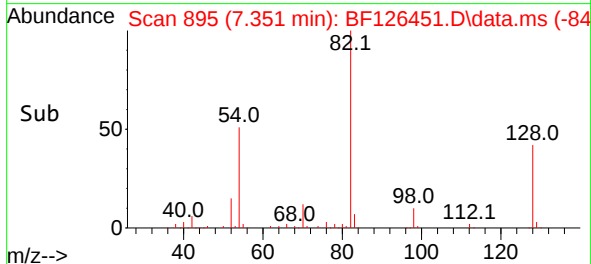
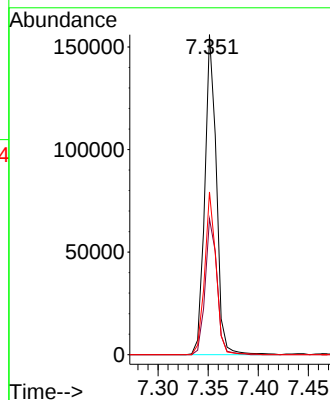
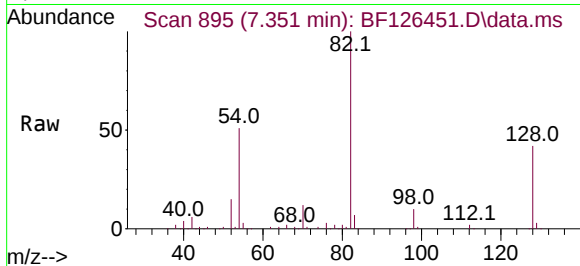
Tgt Ion: 82 Resp: 126533

Ion Ratio Lower Upper

82 100

128 42.5 32.7 49.1

54 50.9 41.7 62.5



#25

Isophorone

Concen: 8.120 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.270 min

Lab File: BF126451.D

Acq: 3 Jan 2022 12:33

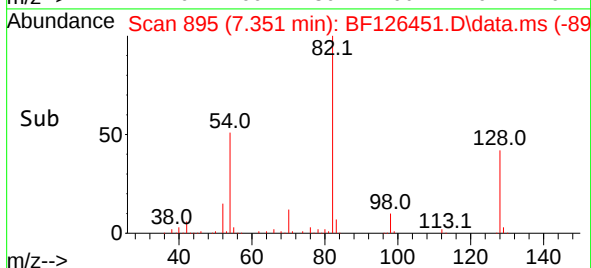
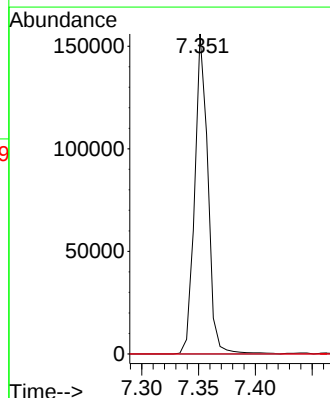
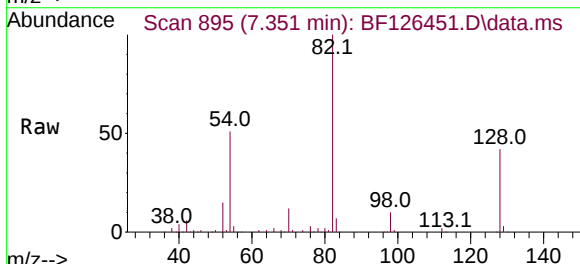
Tgt Ion: 82 Resp: 126379

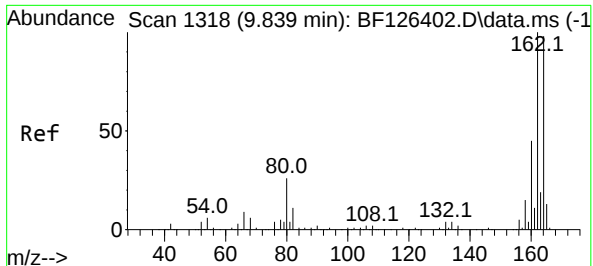
Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

138 0.0 12.3 18.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126451.D

Acq: 3 Jan 2022 12:33

Instrument :

BNA\_F

ClientSampleId :

CONC-2C

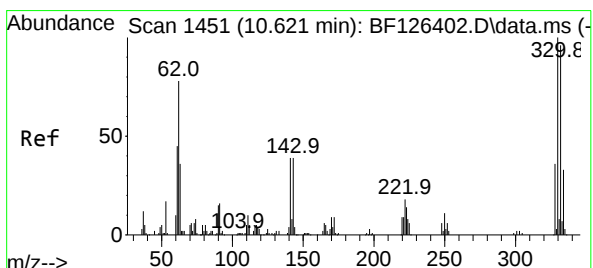
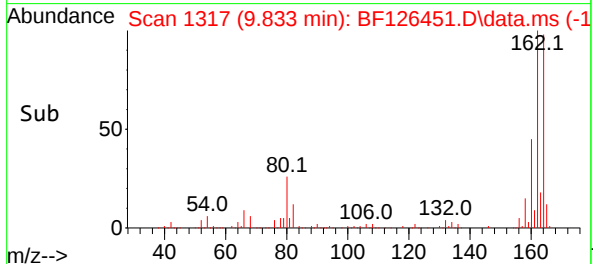
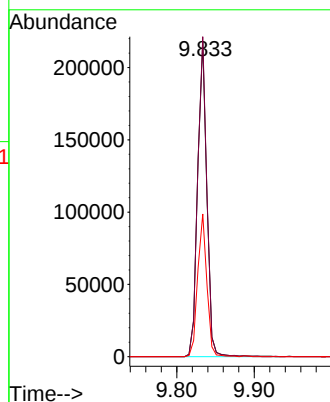
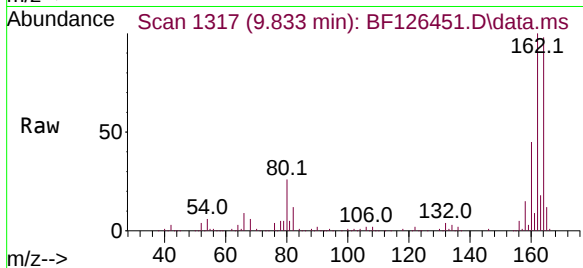
Tgt Ion:164 Resp: 179858

Ion Ratio Lower Upper

164 100

162 101.7 81.4 122.0

160 45.4 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 4.963 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF126451.D

Acq: 3 Jan 2022 12:33

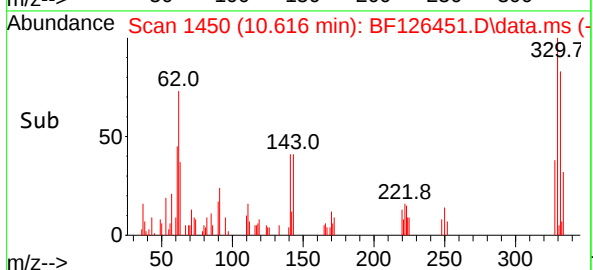
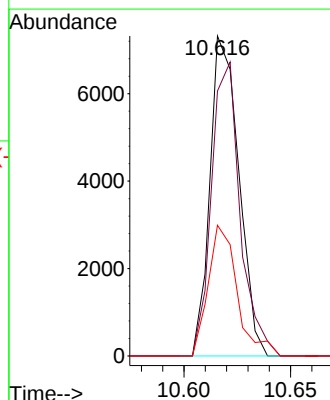
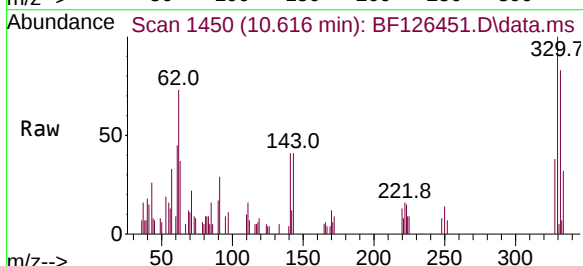
Tgt Ion:330 Resp: 6898

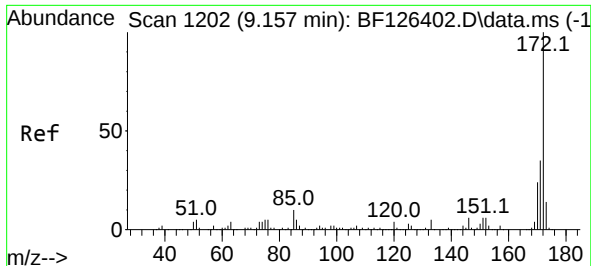
Ion Ratio Lower Upper

330 100

332 91.0 76.0 114.0

141 41.0 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 17.945 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126451.D

Acq: 3 Jan 2022 12:33

Instrument :

BNA\_F

ClientSampleId :

CONC-2C

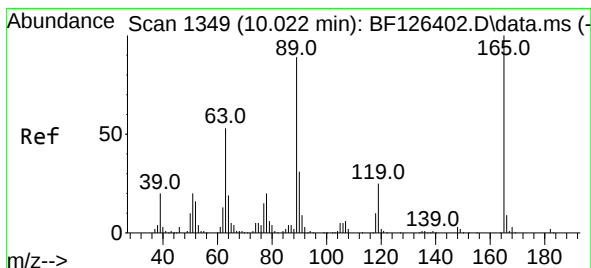
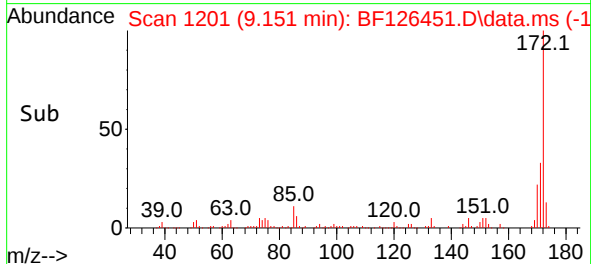
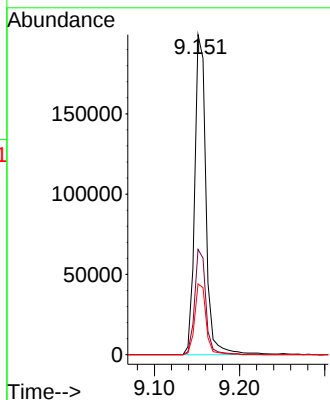
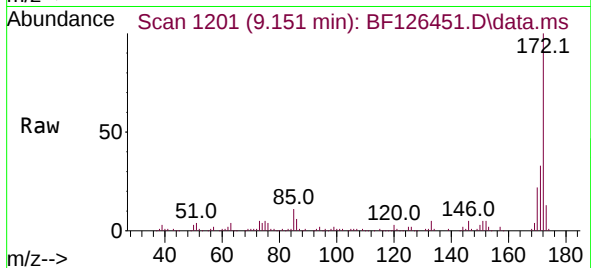
Tgt Ion:172 Resp: 183408

Ion Ratio Lower Upper

172 100

171 32.9 28.3 42.5

170 22.1 19.0 28.6



#57

2,4-Dinitrotoluene

Concen: 7.307 ng

RT: 9.833 min Scan# 1317

Delta R.T. -0.188 min

Lab File: BF126451.D

Acq: 3 Jan 2022 12:33

Tgt Ion:165 Resp: 22859

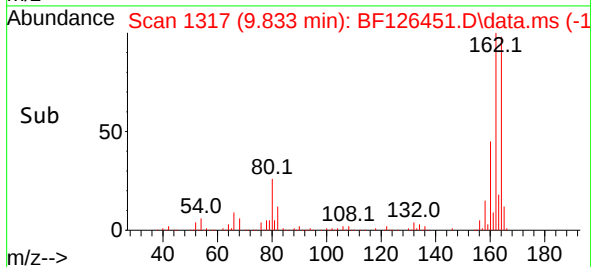
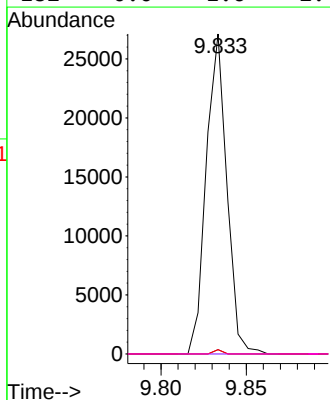
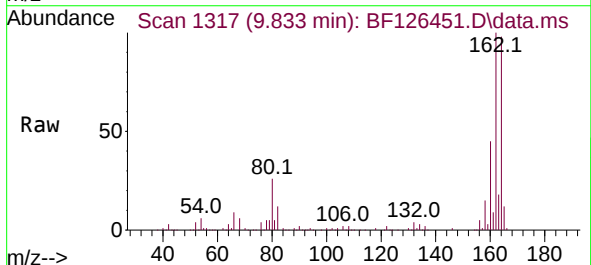
Ion Ratio Lower Upper

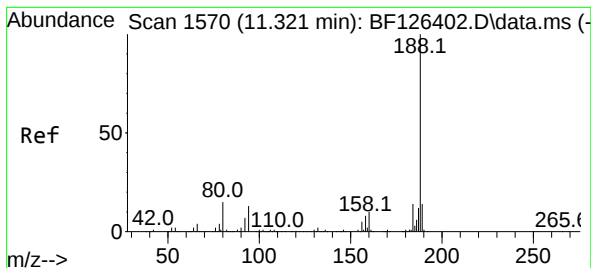
165 100

63 1.3 43.0 64.6#

89 1.3 71.0 106.4#

182 0.0 1.6 2.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126451.D

Acq: 3 Jan 2022 12:33

Instrument :

BNA\_F

ClientSampleId :

CONC-2C

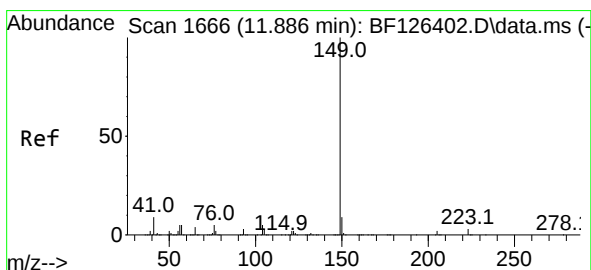
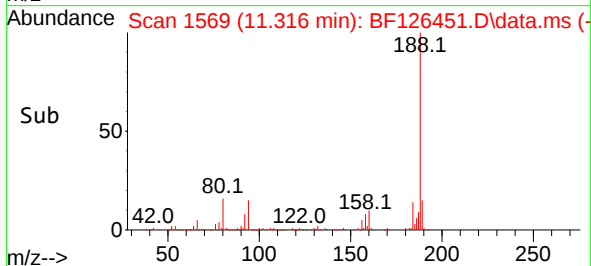
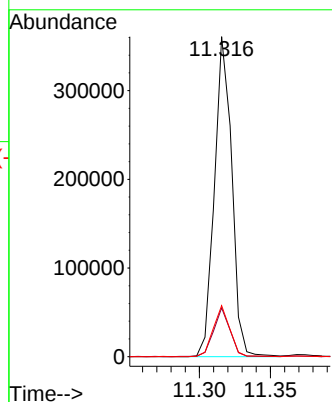
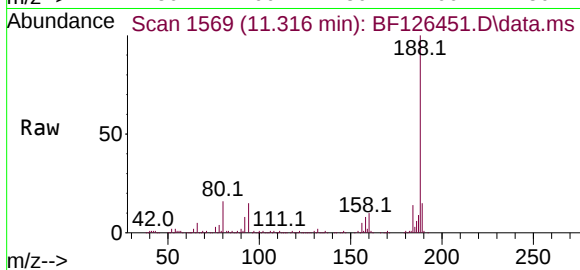
Tgt Ion:188 Resp: 305730

Ion Ratio Lower Upper

188 100

94 15.2 10.1 15.1#

80 15.9 11.8 17.6



#74

Di-n-butylphthalate

Concen: 5.467 ng

RT: 11.880 min Scan# 1665

Delta R.T. -0.006 min

Lab File: BF126451.D

Acq: 3 Jan 2022 12:33

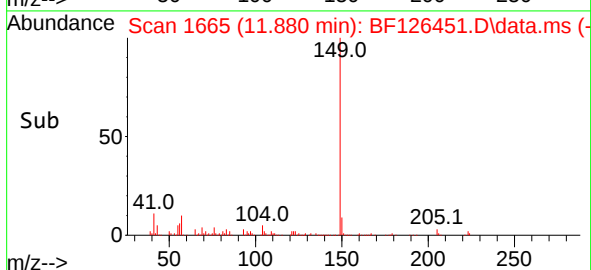
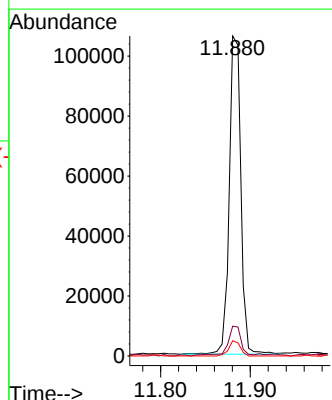
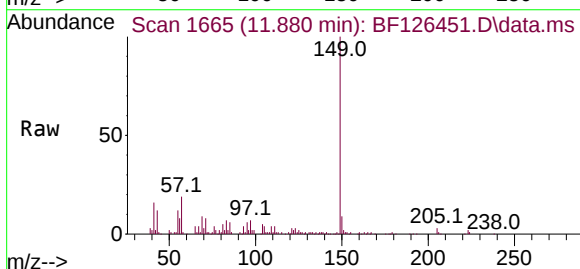
Tgt Ion:149 Resp: 95326

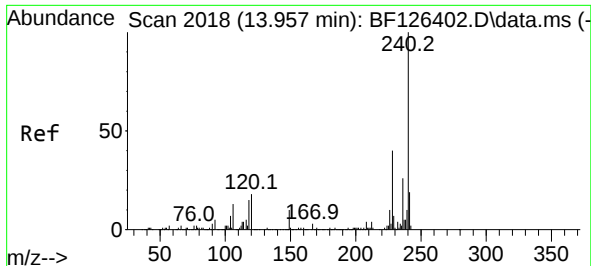
Ion Ratio Lower Upper

149 100

150 9.3 7.2 10.8

104 4.7 4.2 6.2

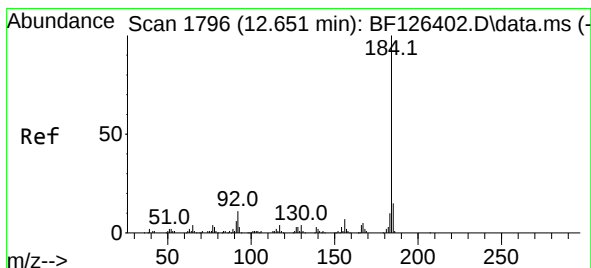
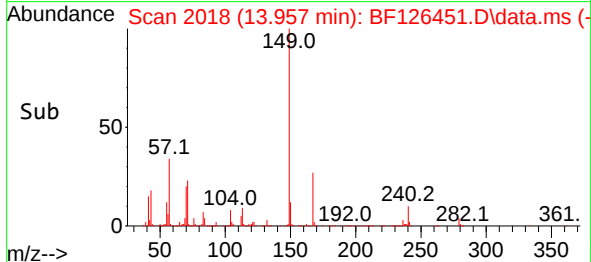
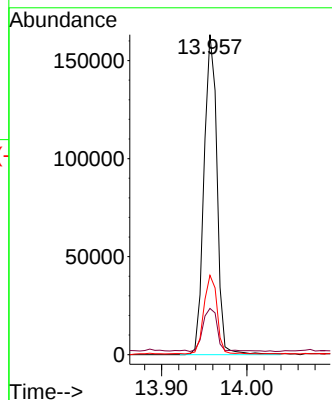
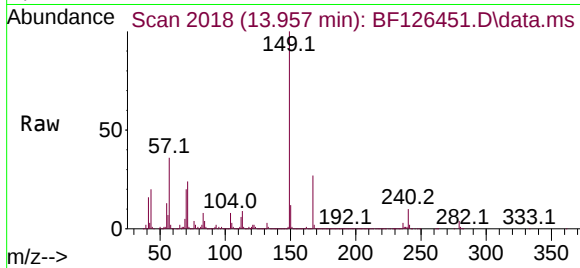




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.957 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: BF126451.D  
Acq: 3 Jan 2022 12:33

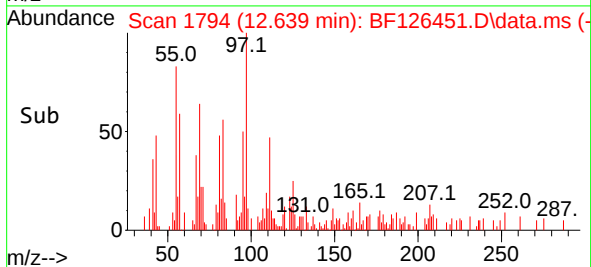
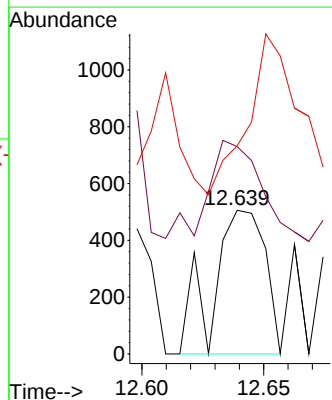
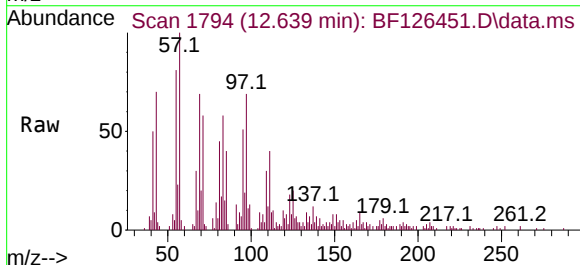
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-2C

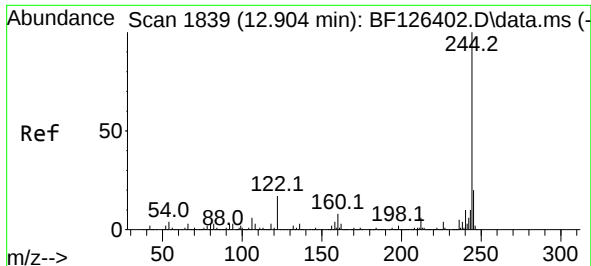
Tgt Ion:240 Resp: 173121  
Ion Ratio Lower Upper  
240 100  
120 14.5 14.4 21.6  
236 24.8 20.5 30.7



#77  
Benzidine  
Concen: Below Cal  
RT: 12.639 min Scan# 1794  
Delta R.T. -0.012 min  
Lab File: BF126451.D  
Acq: 3 Jan 2022 12:33

Tgt Ion:184 Resp: 752  
Ion Ratio Lower Upper  
184 100  
185 144.3 11.8 17.8#  
183 144.9 8.2 12.2#

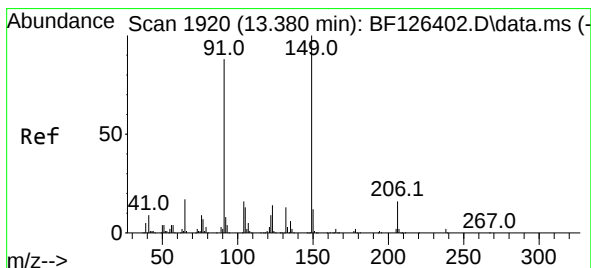
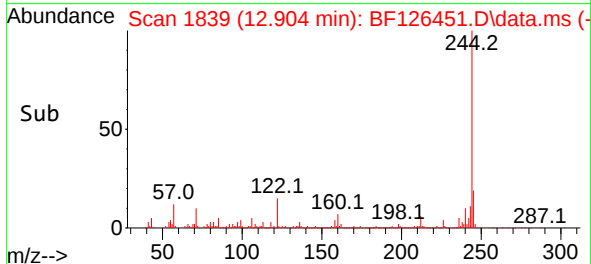
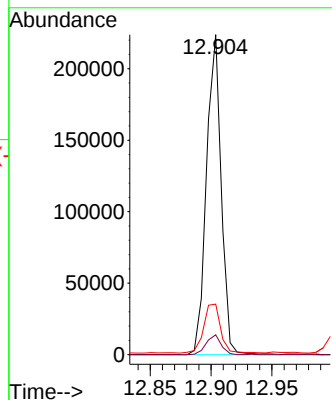
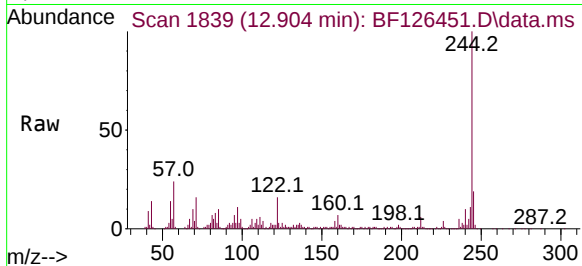




#79  
 Terphenyl-d14  
 Concen: 21.024 ng  
 RT: 12.904 min Scan# 1839  
 Delta R.T. 0.000 min  
 Lab File: BF126451.D  
 Acq: 3 Jan 2022 12:33

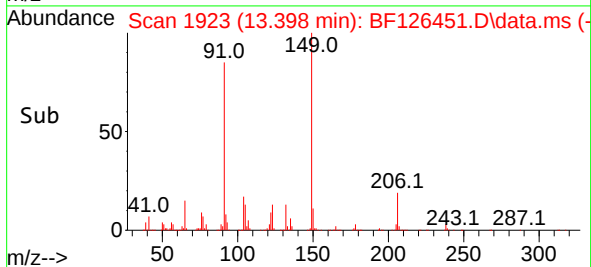
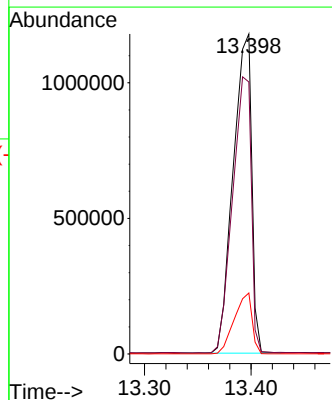
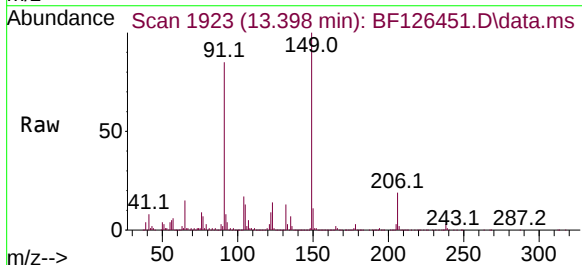
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONC-2C

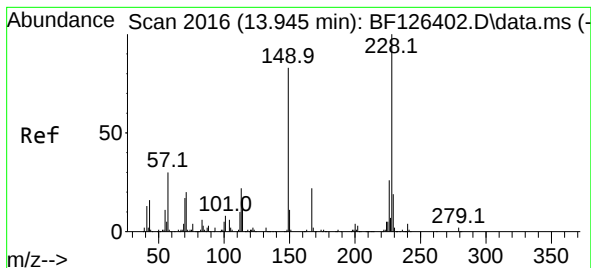
Tgt Ion:244 Resp: 187334  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 5.0 7.4  
 122 15.8 13.3 19.9



#80  
 Butylbenzylphthalate  
 Concen: 219.750 ng  
 RT: 13.398 min Scan# 1923  
 Delta R.T. 0.018 min  
 Lab File: BF126451.D  
 Acq: 3 Jan 2022 12:33

Tgt Ion:149 Resp: 1424633  
 Ion Ratio Lower Upper  
 149 100  
 91 85.0 70.5 105.7  
 206 19.1 12.6 19.0#

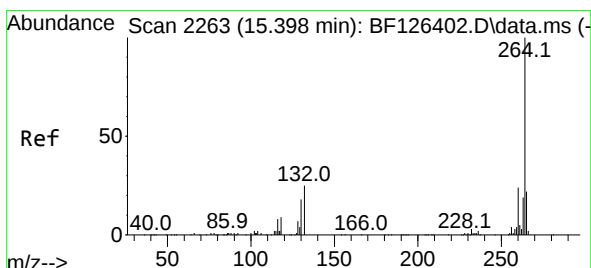
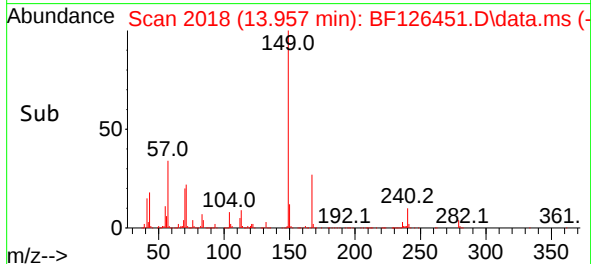
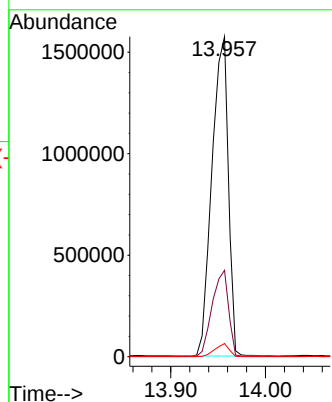
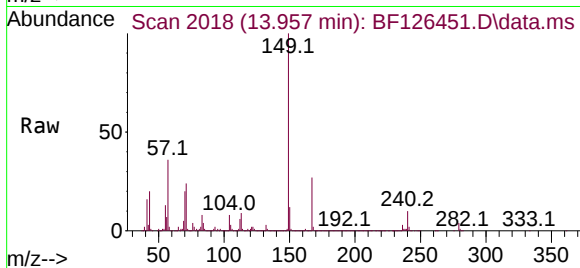




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 280.424 ng  
RT: 13.957 min Scan# 2016  
Delta R.T. 0.012 min  
Lab File: BF126451.D  
Acq: 3 Jan 2022 12:33

Instrument :  
BNA\_F  
ClientSampleId :  
CONC-2C

Tgt Ion:149 Resp: 1884058  
Ion Ratio Lower Upper  
149 100  
167 27.0 21.4 32.2  
279 4.1 2.4 3.6#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.398 min Scan# 2263  
Delta R.T. 0.000 min  
Lab File: BF126451.D  
Acq: 3 Jan 2022 12:33

Tgt Ion:264 Resp: 225232  
Ion Ratio Lower Upper  
264 100  
260 24.4 19.2 28.8  
265 20.2 17.4 26.2

