

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF123021\  
 Data File : BF126429.D  
 Acq On : 30 Dec 2021 20:28  
 Operator : JU/CG  
 Sample : M5244-13  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONC-5C

Quant Time: Dec 31 00:38:13 2021  
 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

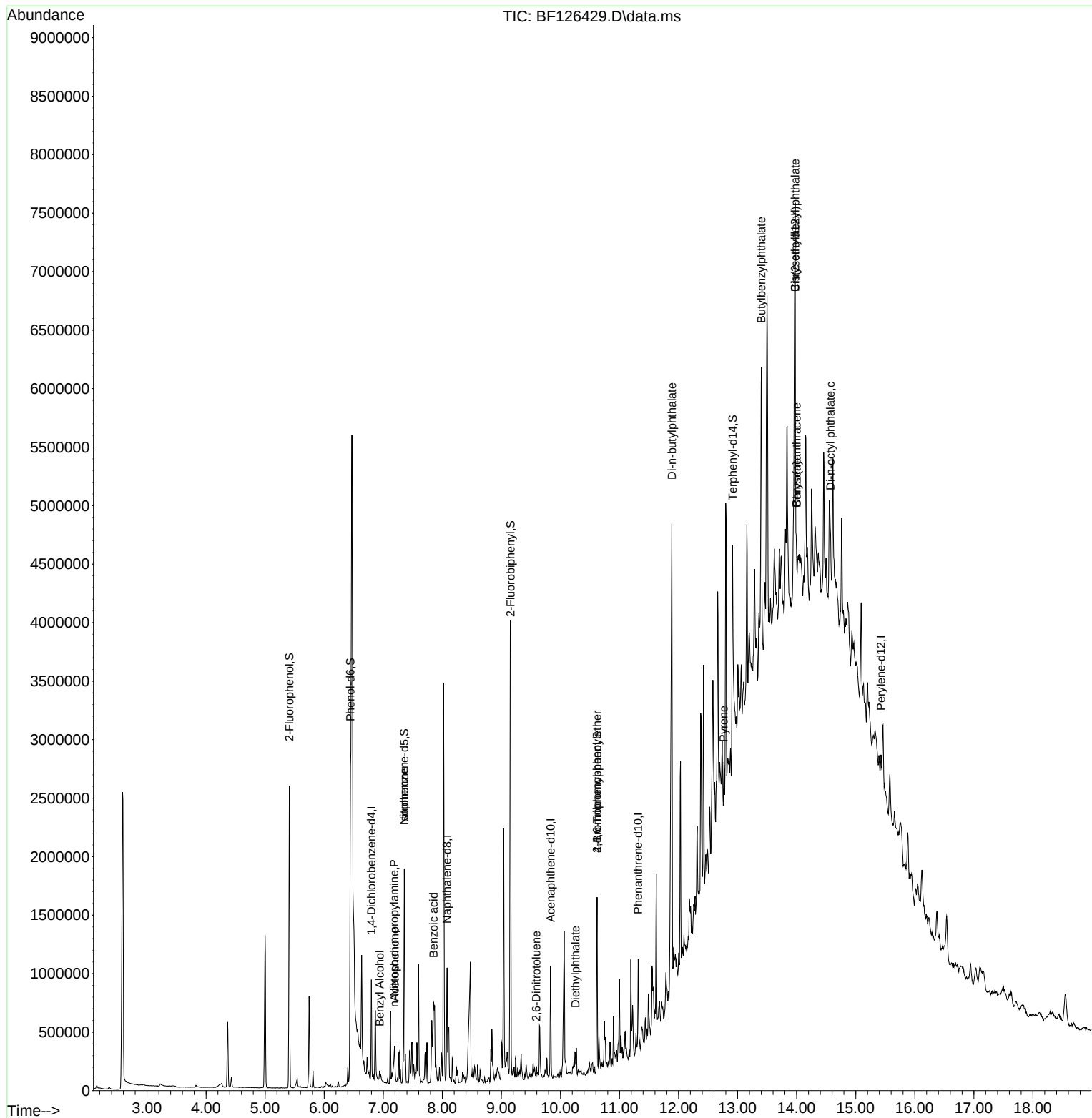
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 97140    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.081  | 136  | 365543   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.833  | 164  | 167081   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 262102   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 109375   | 20.000    | ng    | 0.02     |
| 86) Perylene-d12              | 15.427 | 264  | 125153   | 20.000    | ng    | 0.03     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.410  | 112  | 755232   | 111.649   | ng    | 0.00     |
| 7) Phenol-d6                  | 6.445  | 99   | 879478   | 100.383   | ng    | 0.02     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 585383   | 82.226    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 169862   | 131.563   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 643562   | 67.781    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.916 | 244  | 672248   | 119.418   | ng    | 0.01     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 15) Benzyl Alcohol            | 6.940  | 79   | 22227    | 3.626     | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.187  | 70   | 17248    | 3.450     | ng    | # 55     |
| 22) Acetophenone              | 7.192  | 105  | 44661    | 5.285     | ng    | # 55     |
| 25) Isophorone                | 7.357  | 82   | 582413   | 45.700    | ng    | # 69     |
| 32) Benzoic acid              | 7.851  | 122  | 5622     | 8.414     | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.592  | 165  | 5142     | 2.283     | ng    | # 46     |
| 60) Diethylphthalate          | 10.251 | 149  | 42784    | 4.256     | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.622 | 248  | 9470     | 4.071     | ng    | # 1      |
| 74) Di-n-butylphthalate       | 11.886 | 149  | 330869   | 22.135    | ng    | 99       |
| 77) Benzidine                 | 12.674 | 184  | 355      | Below Cal |       | # 1      |
| 78) Pyrene                    | 12.763 | 202  | 21549    | 2.331     | ng    | # 85     |
| 80) Butylbenzylphthalate      | 13.404 | 149  | 851800   | 207.968   | ng    | # 92     |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 13850    | 2.202     | ng    | # 76     |
| 83) Chrysene                  | 13.998 | 228  | 13850    | 2.147     | ng    | # 80     |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 1843785  | 434.373   | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 14.574 | 149  | 196381   | 26.677    | 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 : Thu Dec 30 04:30:49 2021  
Response via : Initial Calibration

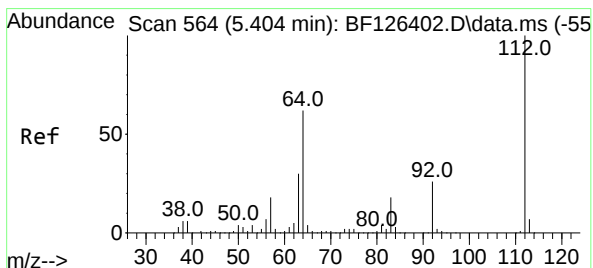
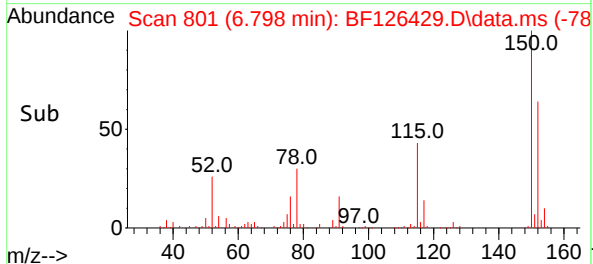
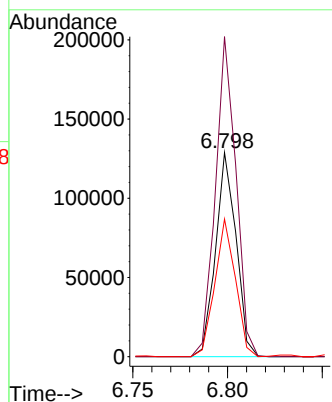
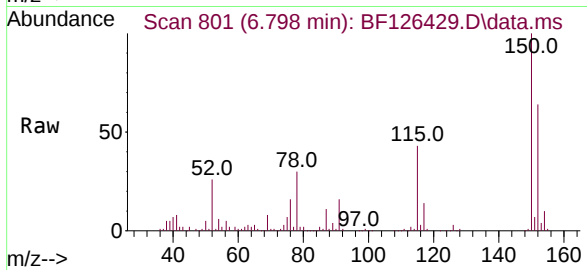




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.798 min Scan# 801  
Delta R.T. 0.000 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

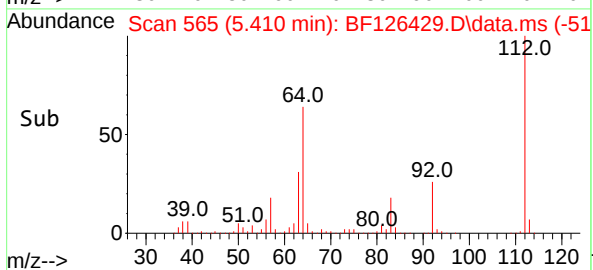
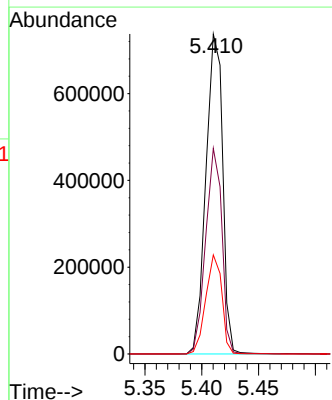
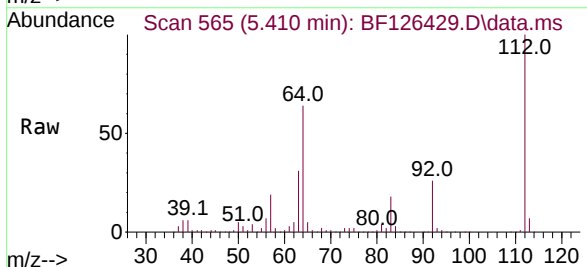
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5C

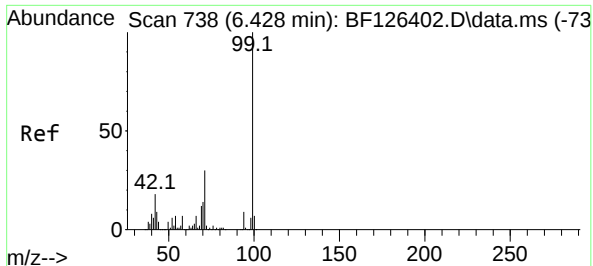
Tgt Ion:152 Resp: 97140  
Ion Ratio Lower Upper  
152 100  
150 156.7 128.1 192.1  
115 67.4 56.7 85.1



#5  
2-Fluorophenol  
Concen: 111.649 ng  
RT: 5.410 min Scan# 565  
Delta R.T. 0.006 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

Tgt Ion:112 Resp: 755232  
Ion Ratio Lower Upper  
112 100  
64 64.2 49.5 74.3  
63 31.0 23.9 35.9

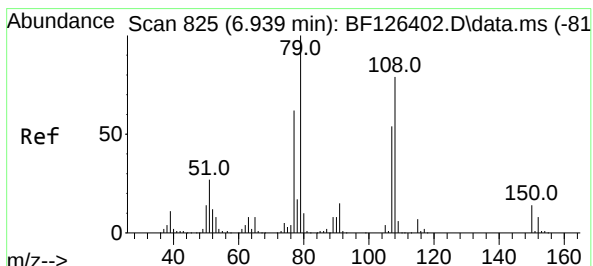
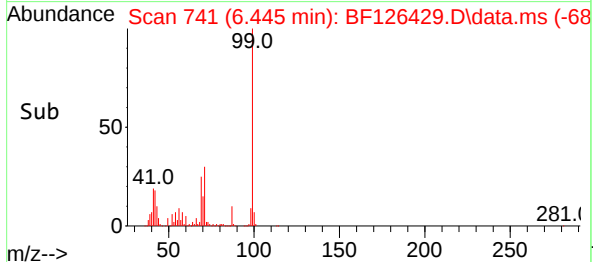
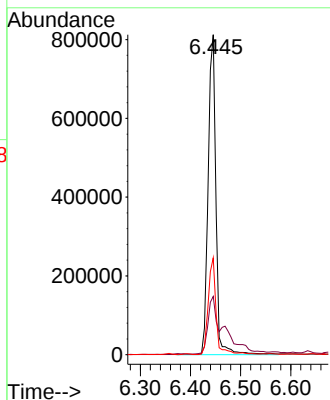
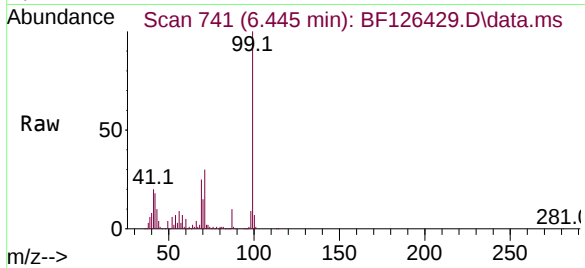




#7  
Phenol-d6  
Concen: 100.383 ng  
RT: 6.445 min Scan# 741  
Delta R.T. 0.018 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

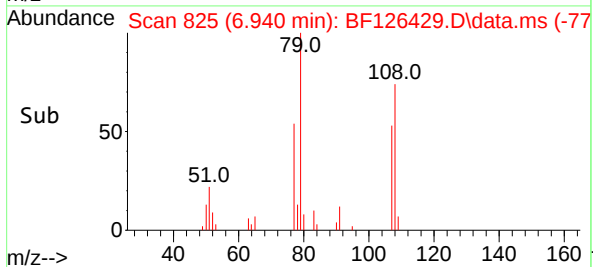
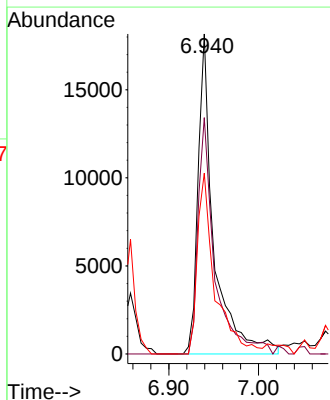
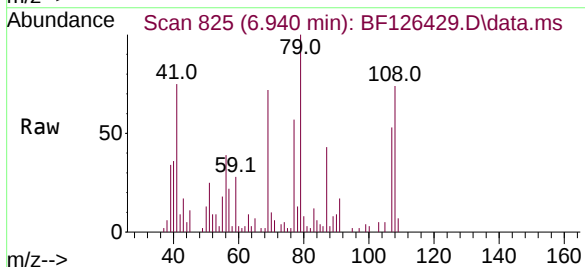
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5C

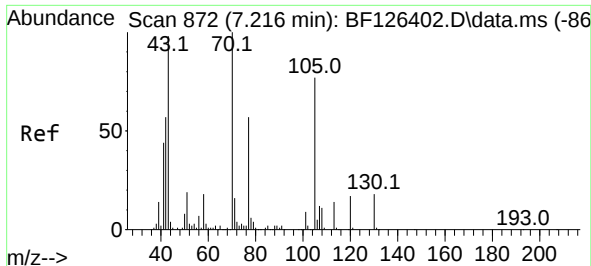
Tgt Ion: 99 Resp: 879478  
Ion Ratio Lower Upper  
99 100  
42 18.2 14.2 21.4  
71 30.3 24.3 36.5



#15  
Benzyl Alcohol  
Concen: 3.626 ng  
RT: 6.940 min Scan# 825  
Delta R.T. 0.000 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

Tgt Ion: 79 Resp: 22227  
Ion Ratio Lower Upper  
79 100  
108 73.8 63.2 94.8  
77 56.5 49.4 74.2

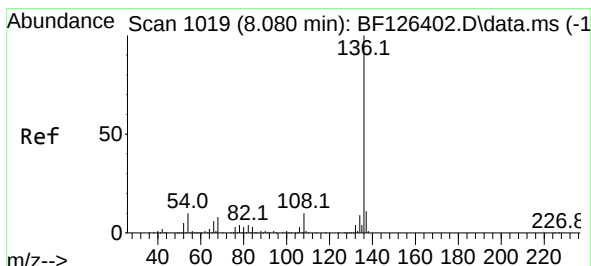
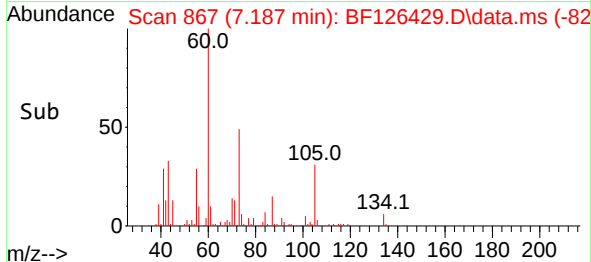
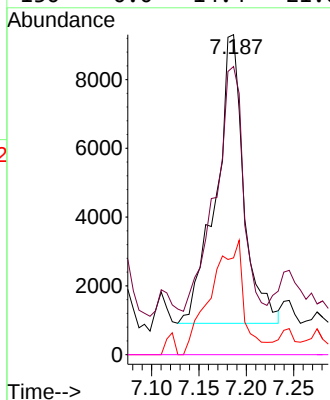
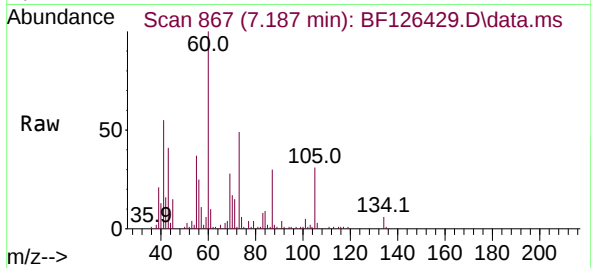




#19  
n-Nitroso-di-n-propylamine  
Concen: 3.450 ng  
RT: 7.187 min Scan# 80  
Delta R.T. -0.029 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

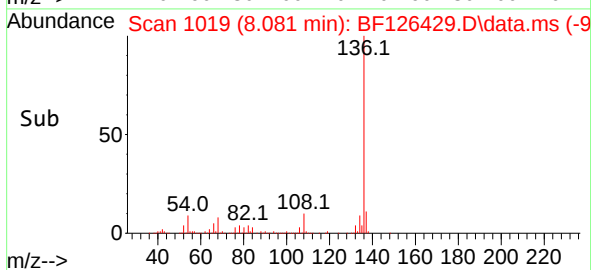
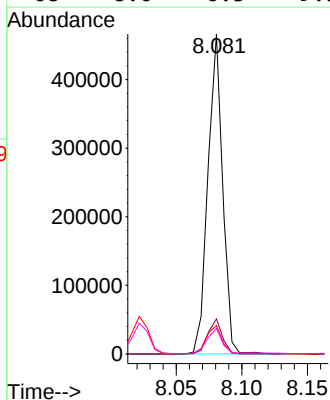
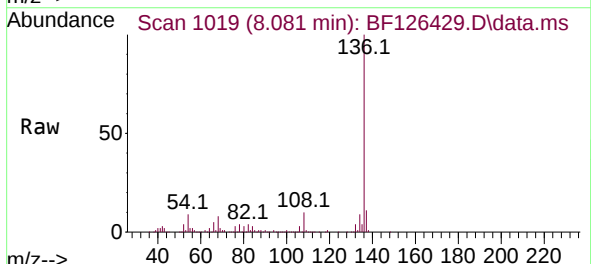
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5C

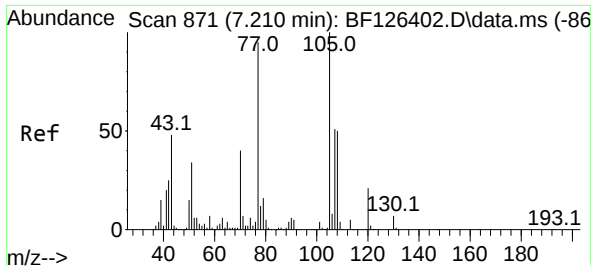
|             |             |
|-------------|-------------|
| Tgt Ion: 70 | Resp: 17248 |
| Ion Ratio   | Lower Upper |
| 70 100      |             |
| 42 90.0     | 45.8 68.8#  |
| 101 30.3    | 6.9 10.3#   |
| 130 0.0     | 14.4 21.6#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.081 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:136 | Resp: | 365543 |
| Ion | Ratio   | Lower | Upper  |
| 136 | 100     |       |        |
| 137 | 11.0    | 8.6   | 13.0   |
| 54  | 8.8     | 7.8   | 11.6   |
| 68  | 8.0     | 6.3   | 9.5    |

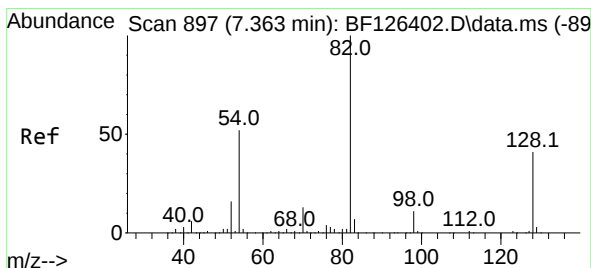
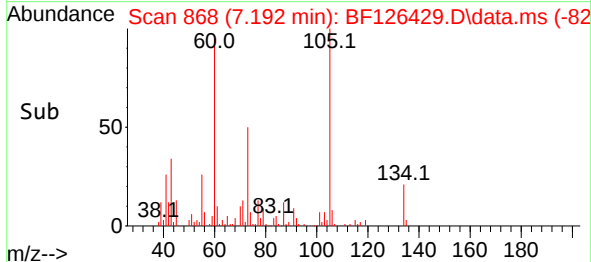
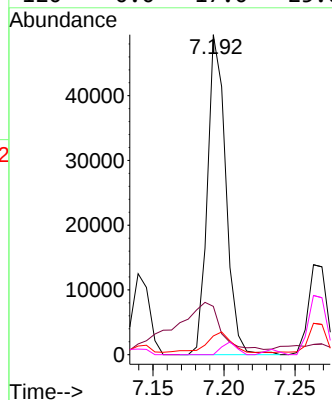
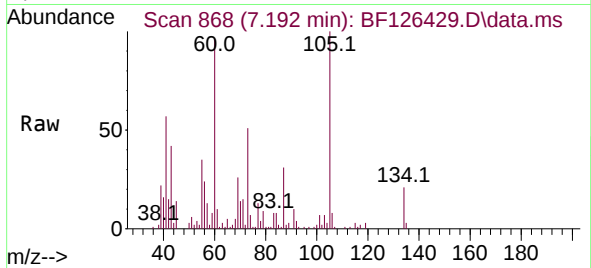




#22  
Acetophenone  
Concen: 5.285 ng  
RT: 7.192 min Scan# 868  
Delta R.T. -0.018 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

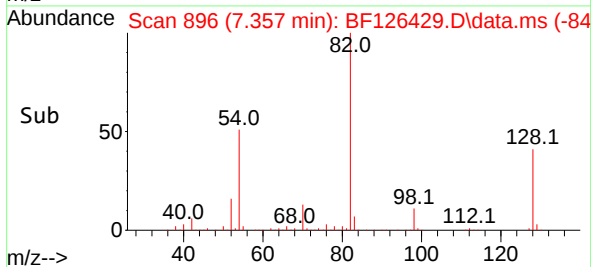
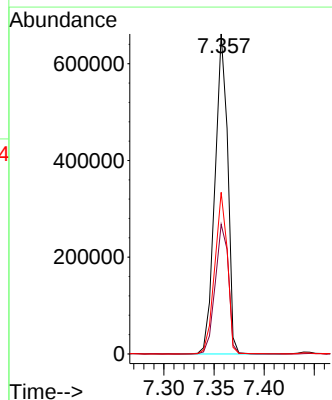
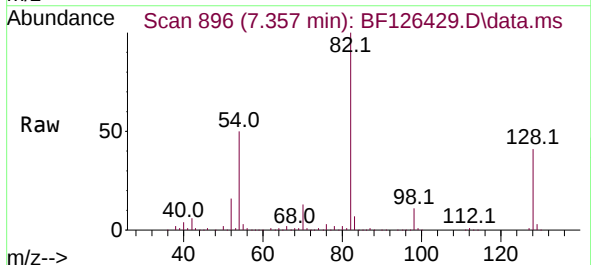
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5C

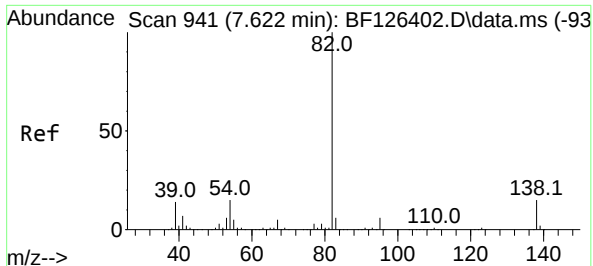
Tgt Ion:105 Resp: 44661  
Ion Ratio Lower Upper  
105 100  
71 15.1 5.4 8.0#  
51 5.9 27.4 41.0#  
120 0.0 17.0 25.6#



#23  
Nitrobenzene-d5  
Concen: 82.226 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.006 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

Tgt Ion: 82 Resp: 585383  
Ion Ratio Lower Upper  
82 100  
128 40.5 32.7 49.1  
54 50.5 41.7 62.5

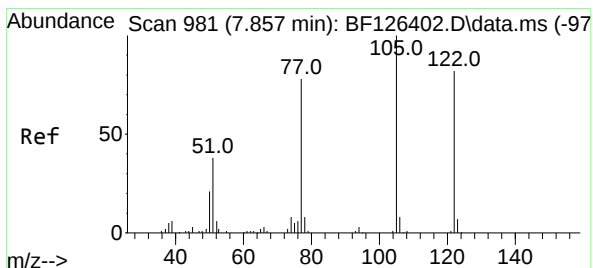
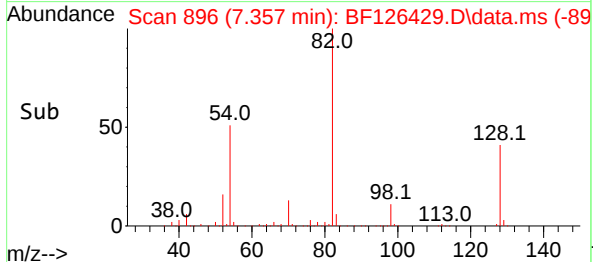
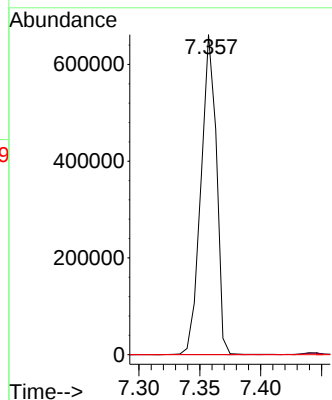
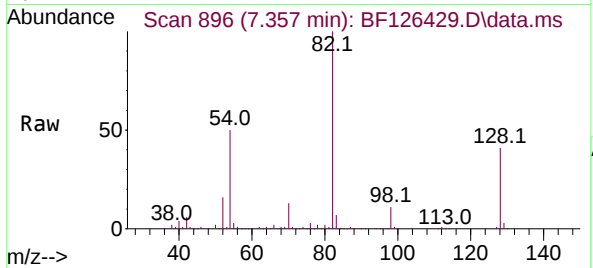




#25  
Isophorone  
Concen: 45.700 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.265 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

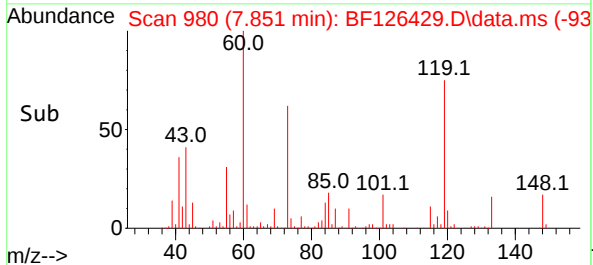
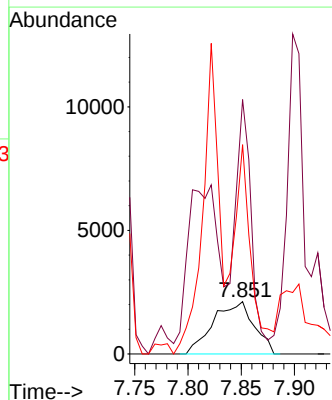
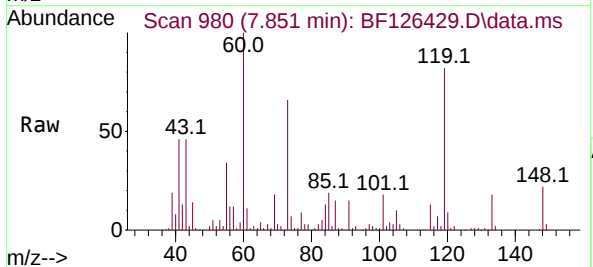
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5C

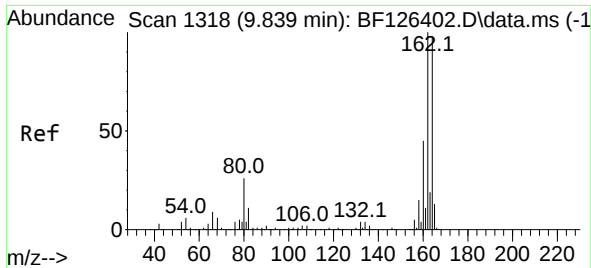
Tgt Ion: 82 Resp: 582413  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.0 7.4#  
138 0.0 12.3 18.5#



#32  
Benzoic acid  
Concen: 8.414 ng  
RT: 7.851 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

Tgt Ion:122 Resp: 5622  
Ion Ratio Lower Upper  
122 100  
105 486.4 101.0 141.0#  
77 400.0 74.5 114.5#

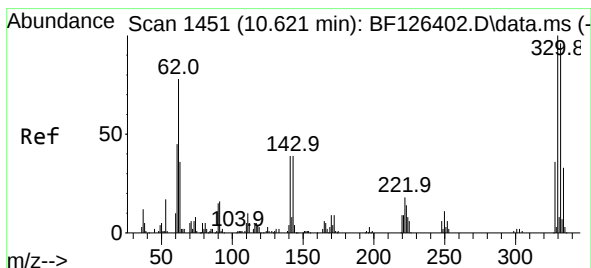
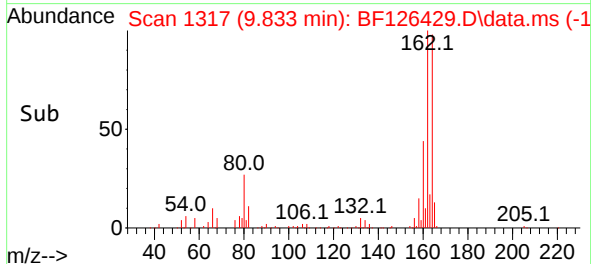
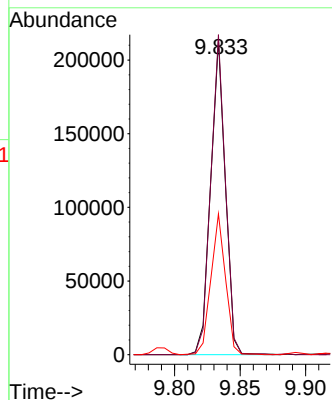
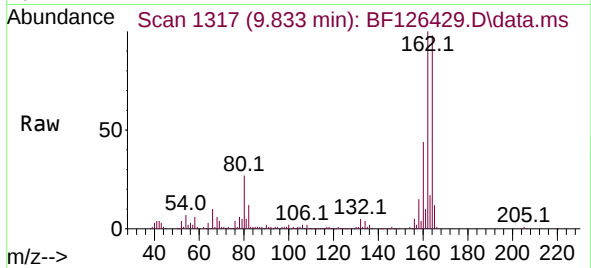




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.833 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

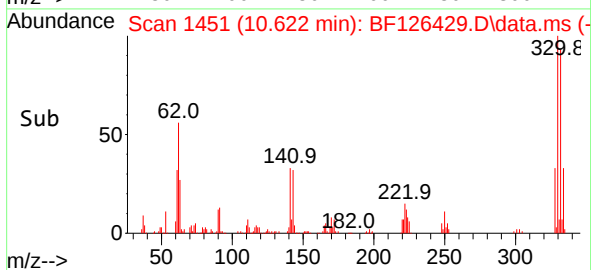
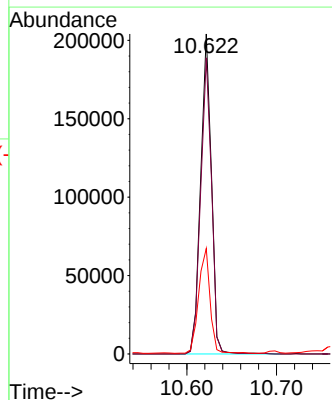
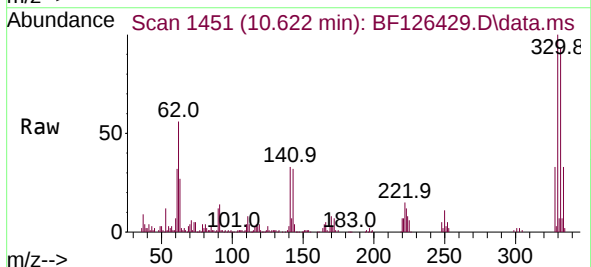
Instrument :  
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CONC-5C

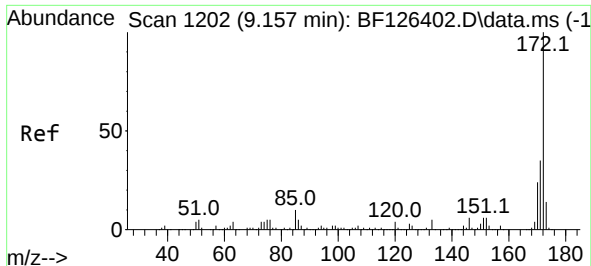
Tgt Ion:164 Resp: 167081  
Ion Ratio Lower Upper  
164 100  
162 101.7 81.4 122.0  
160 44.7 36.6 54.8



#42  
2,4,6-Tribromophenol  
Concen: 131.563 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

Tgt Ion:330 Resp: 169862  
Ion Ratio Lower Upper  
330 100  
332 93.9 76.0 114.0  
141 34.7 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 67.781 ng

RT: 9.157 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF126429.D

Acq: 30 Dec 2021 20:28

Instrument :

BNA\_F

ClientSampleId :

CONC-5C

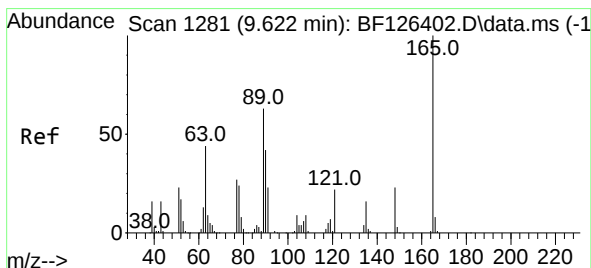
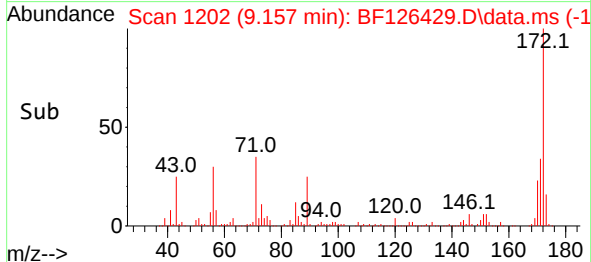
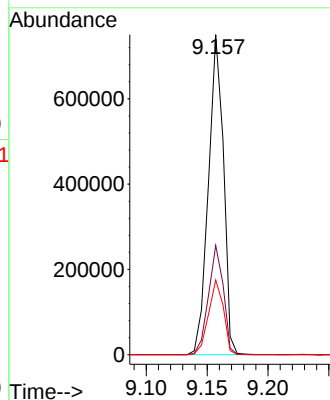
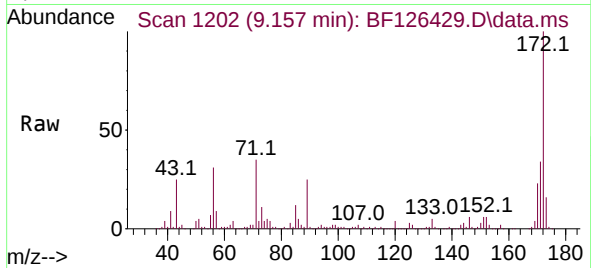
Tgt Ion:172 Resp: 643562

Ion Ratio Lower Upper

172 100

171 34.1 28.3 42.5

170 23.3 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 2.283 ng

RT: 9.592 min Scan# 1276

Delta R.T. -0.029 min

Lab File: BF126429.D

Acq: 30 Dec 2021 20:28

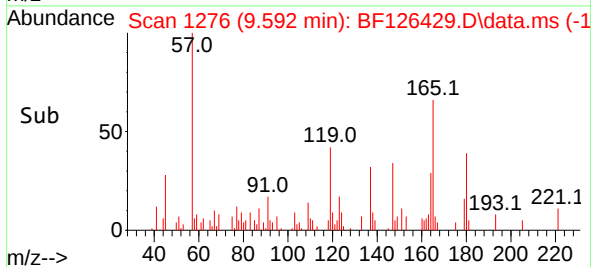
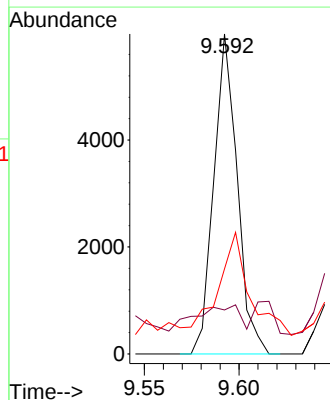
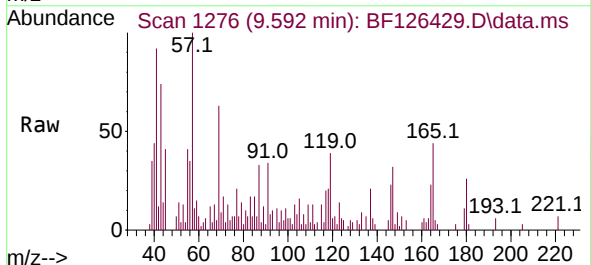
Tgt Ion:165 Resp: 5142

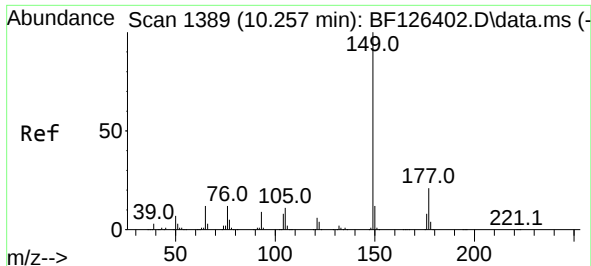
Ion Ratio Lower Upper

165 100

63 13.8 48.4 72.6#

89 26.6 50.5 75.7#

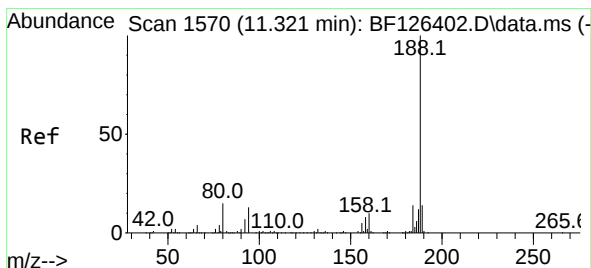
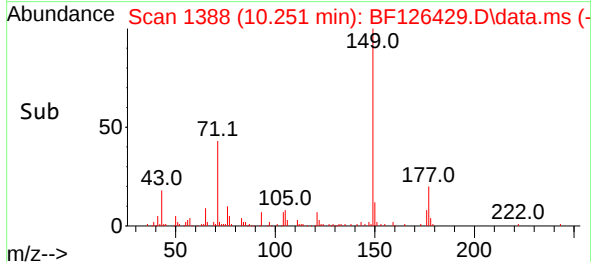
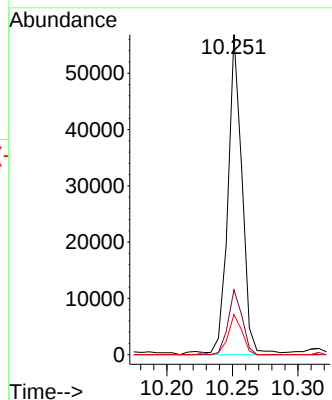
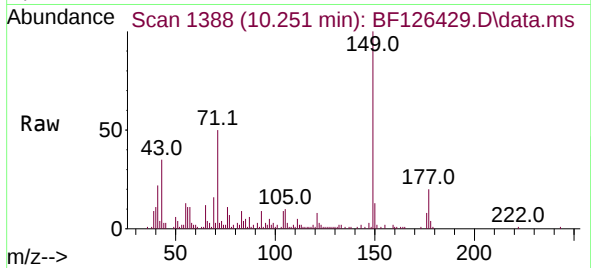




#60  
Diethylphthalate  
Concen: 4.256 ng  
RT: 10.251 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

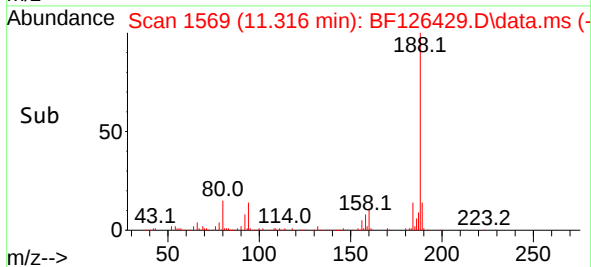
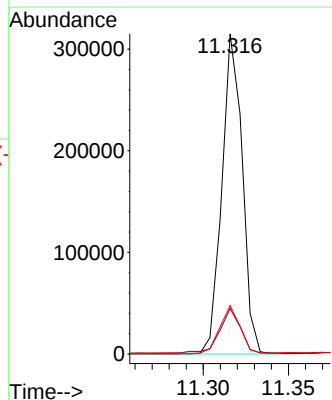
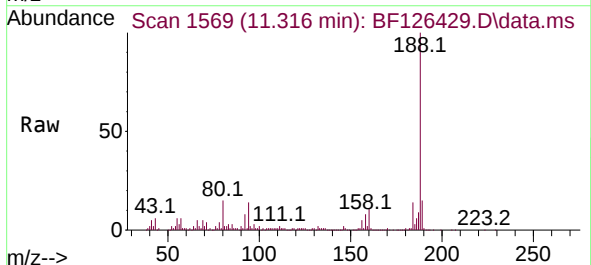
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5C

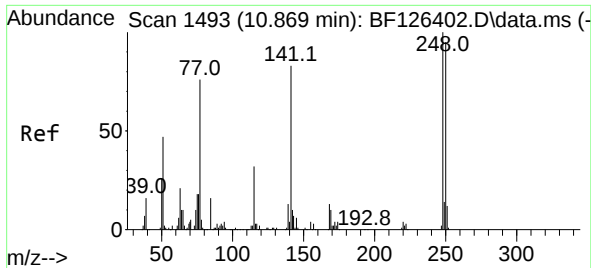
Tgt Ion:149 Resp: 42784  
Ion Ratio Lower Upper  
149 100  
177 20.2 16.7 25.1  
150 12.6 9.8 14.8



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. -0.006 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

Tgt Ion:188 Resp: 262102  
Ion Ratio Lower Upper  
188 100  
94 14.2 10.1 15.1  
80 15.1 11.8 17.6

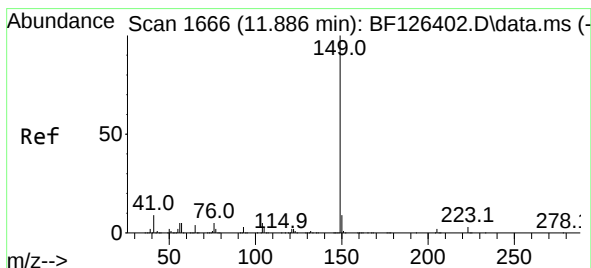
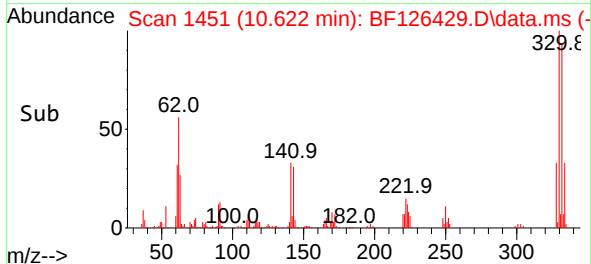
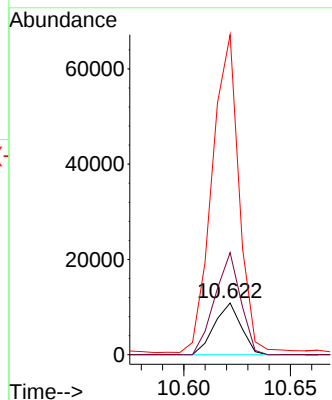
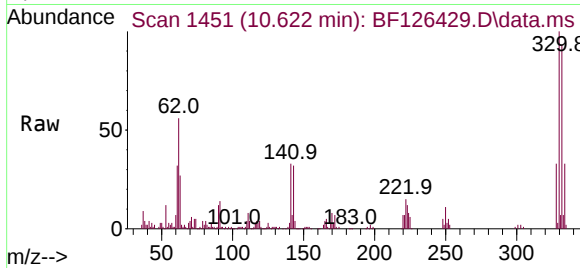




#67  
4-Bromophenyl-phenylether  
Concen: 4.071 ng  
RT: 10.622 min Scan# 1493  
Delta R.T. -0.247 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

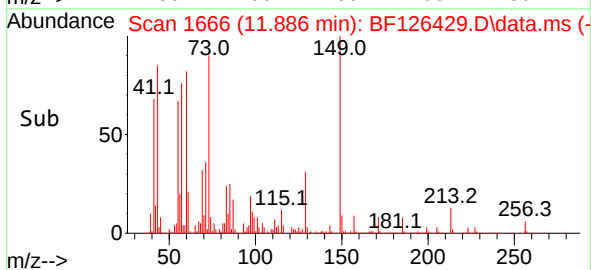
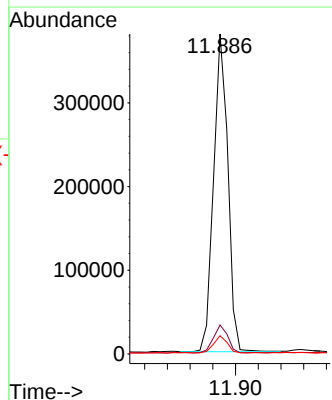
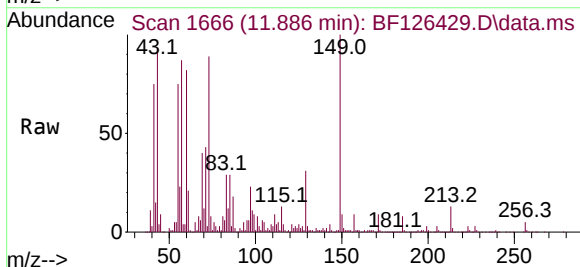
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5C

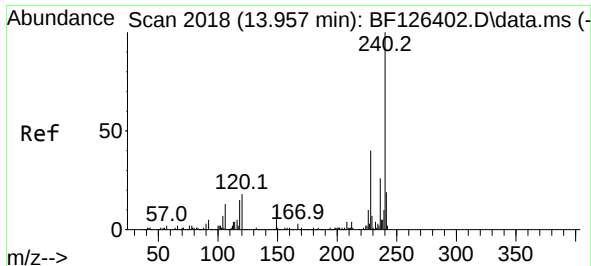
Tgt Ion:248 Resp: 9470  
Ion Ratio Lower Upper  
248 100  
250 197.7 76.2 114.4#  
141 619.3 66.2 99.4#



#74  
Di-n-butylphthalate  
Concen: 22.135 ng  
RT: 11.886 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

Tgt Ion:149 Resp: 330869  
Ion Ratio Lower Upper  
149 100  
150 9.1 7.2 10.8  
104 5.7 4.2 6.2

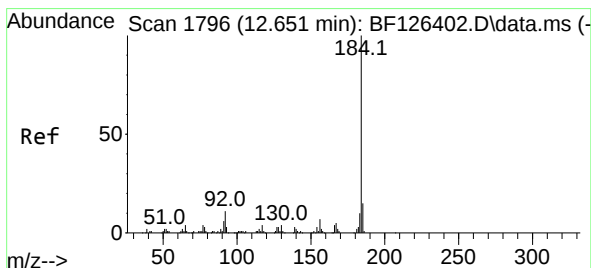
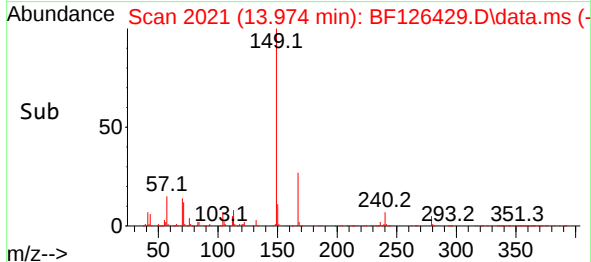
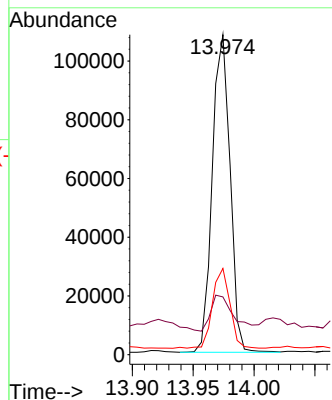
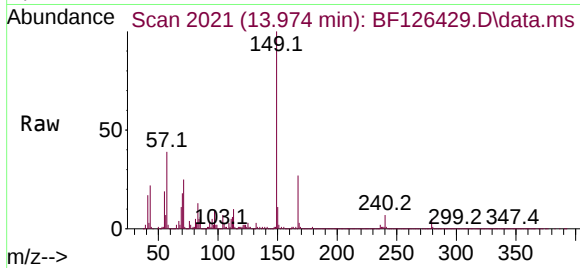




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.974 min Scan# 20  
Delta R.T. 0.018 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

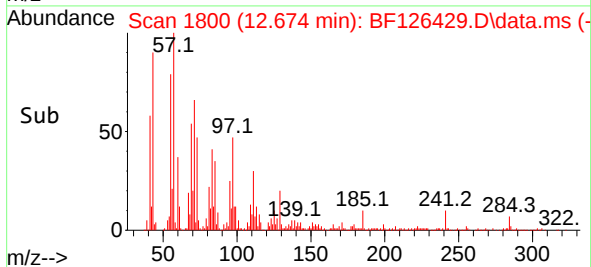
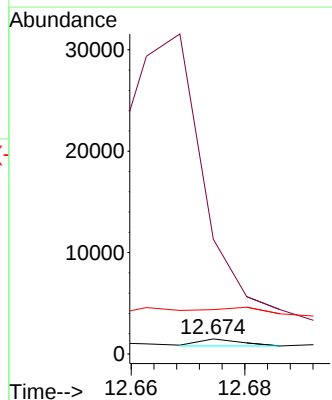
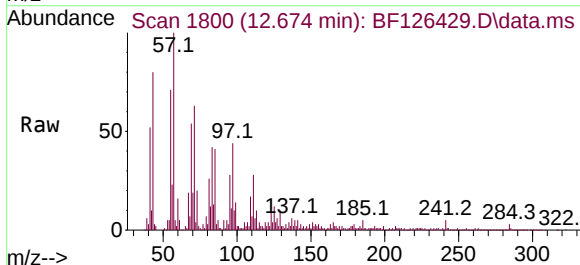
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5C

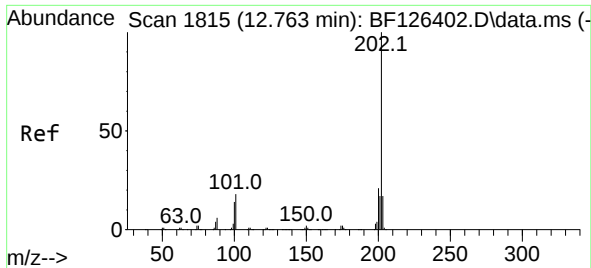
Tgt Ion:240 Resp: 109375  
Ion Ratio Lower Upper  
240 100  
120 18.0 14.4 21.6  
236 27.0 20.5 30.7



#77  
Benzidine  
Concen: Below Cal  
RT: 12.674 min Scan# 1800  
Delta R.T. 0.023 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

Tgt Ion:184 Resp: 355  
Ion Ratio Lower Upper  
184 100  
185 764.5 11.8 17.8#  
183 295.7 8.2 12.2#

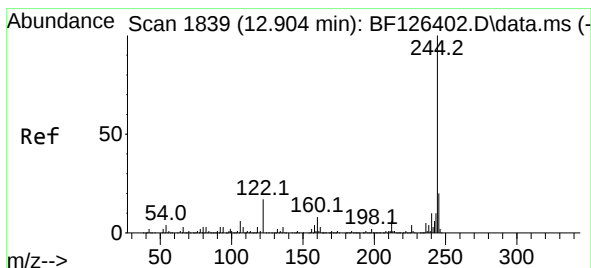
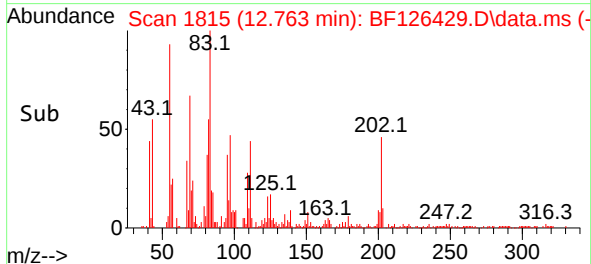
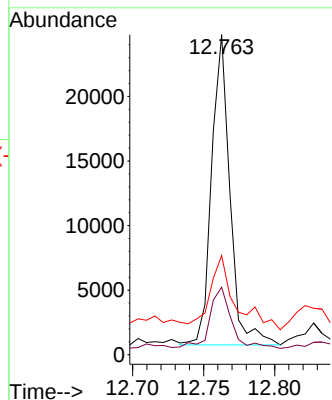
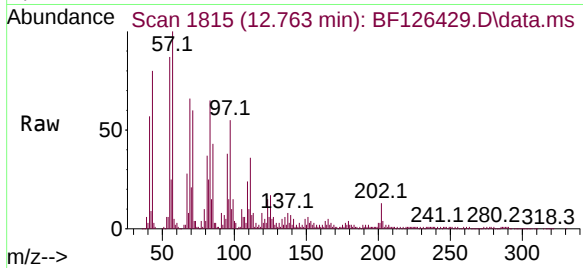




#78  
Pyrene  
Concen: 2.331 ng  
RT: 12.763 min Scan# 1815  
Delta R.T. 0.000 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

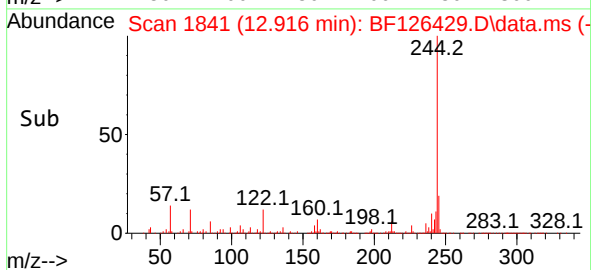
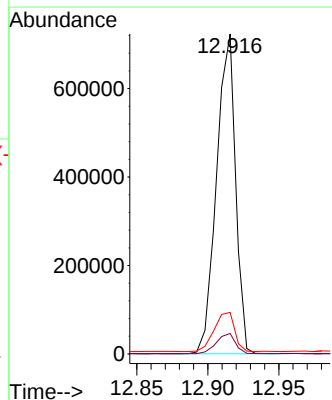
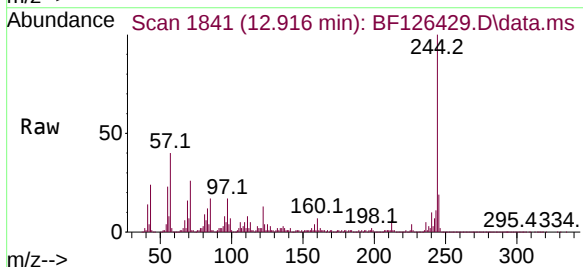
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5C

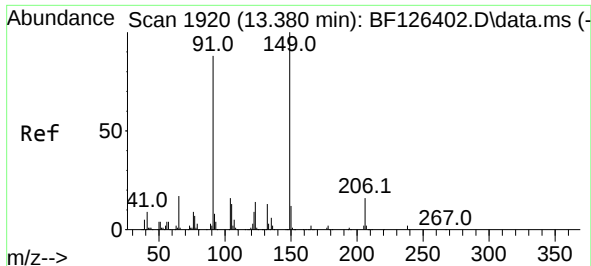
Tgt Ion:202 Resp: 21549  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.6 24.8  
203 30.9 13.8 20.8#



#79  
Terphenyl-d14  
Concen: 119.418 ng  
RT: 12.916 min Scan# 1841  
Delta R.T. 0.012 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

Tgt Ion:244 Resp: 672248  
Ion Ratio Lower Upper  
244 100  
212 6.4 5.0 7.4  
122 13.0 13.3 19.9#

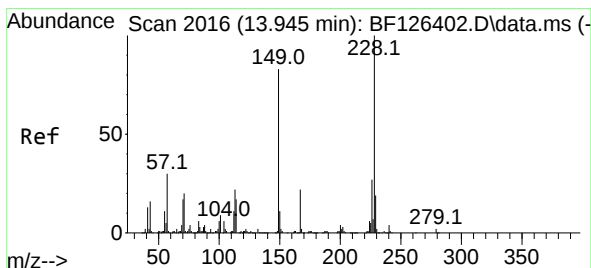
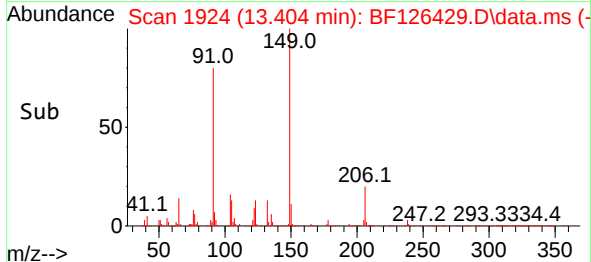
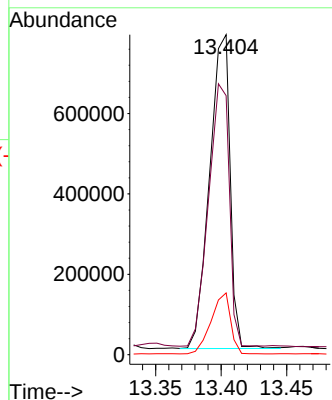
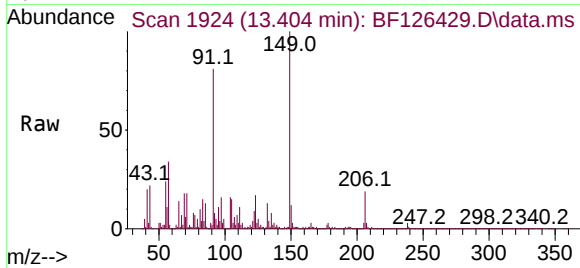




#80  
Butylbenzylphthalate  
Concen: 207.968 ng  
RT: 13.404 min Scan# 1920  
Delta R.T. 0.024 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

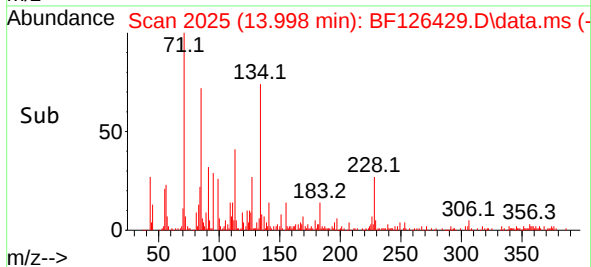
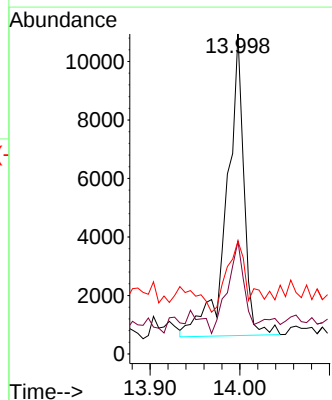
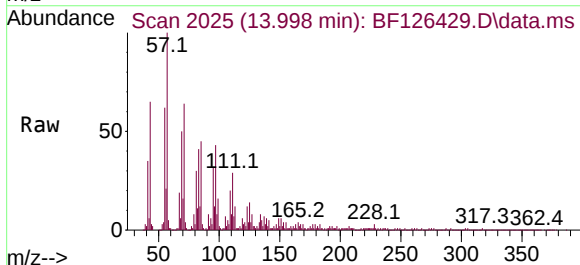
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5C

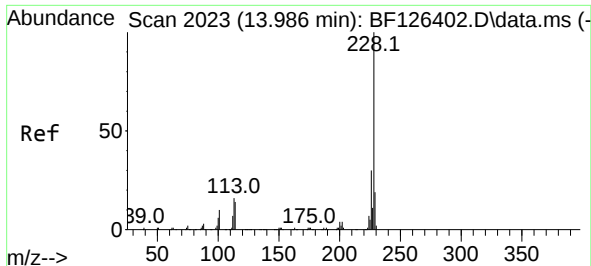
Tgt Ion:149 Resp: 851800  
Ion Ratio Lower Upper  
149 100  
91 80.9 70.5 105.7  
206 19.3 12.6 19.0#



#81  
Benzo(a)anthracene  
Concen: 2.202 ng  
RT: 13.998 min Scan# 2025  
Delta R.T. 0.053 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

Tgt Ion:228 Resp: 13850  
Ion Ratio Lower Upper  
228 100  
226 35.2 21.4 32.0#  
229 35.3 15.4 23.2#

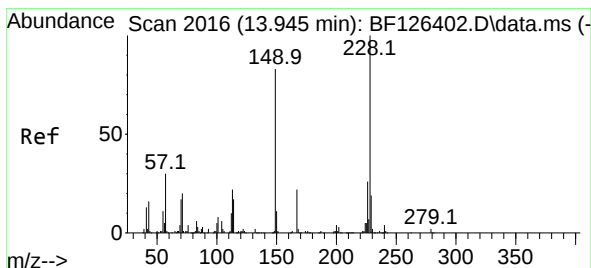
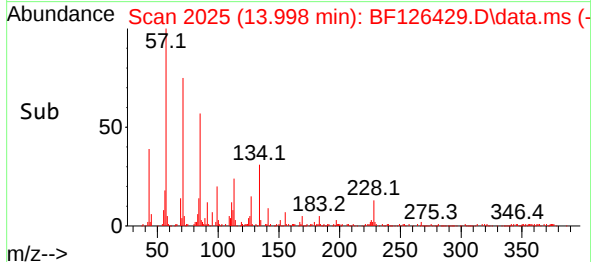
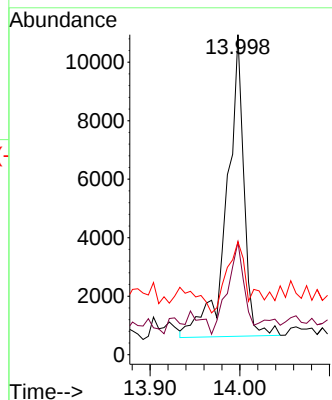
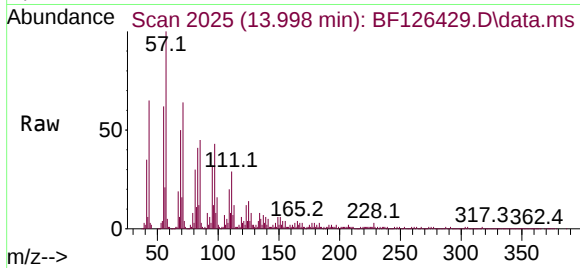




#83  
Chrysene  
Concen: 2.147 ng  
RT: 13.998 min Scan# 2021  
Delta R.T. 0.012 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

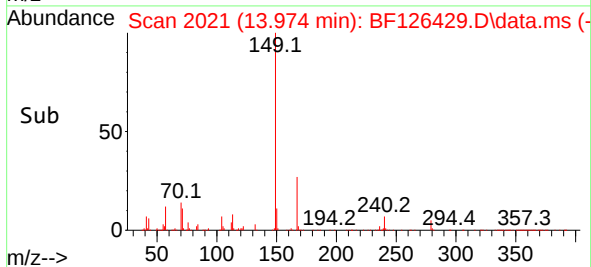
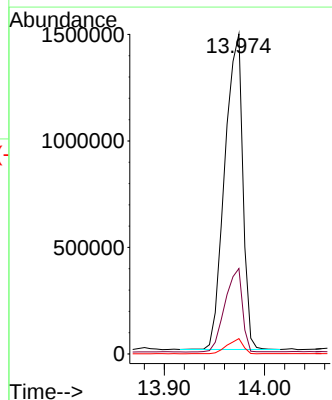
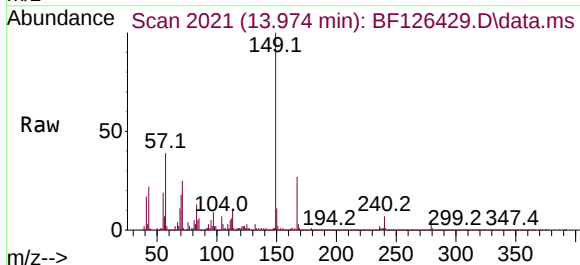
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5C

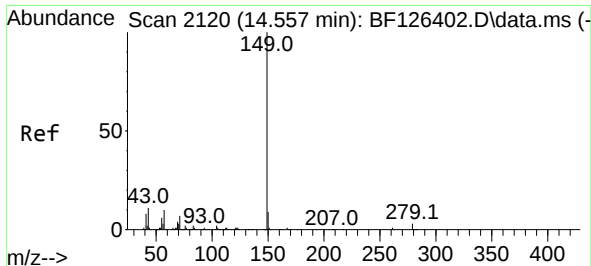
Tgt Ion:228 Resp: 13850  
Ion Ratio Lower Upper  
228 100  
226 35.2 23.7 35.5  
229 35.3 15.5 23.3#



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 434.373 ng  
RT: 13.974 min Scan# 2021  
Delta R.T. 0.030 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

Tgt Ion:149 Resp: 1843785  
Ion Ratio Lower Upper  
149 100  
167 26.7 21.4 32.2  
279 4.8 2.4 3.6#

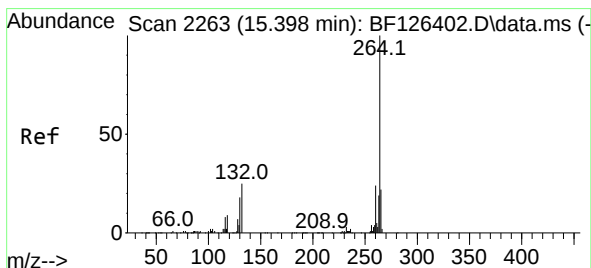
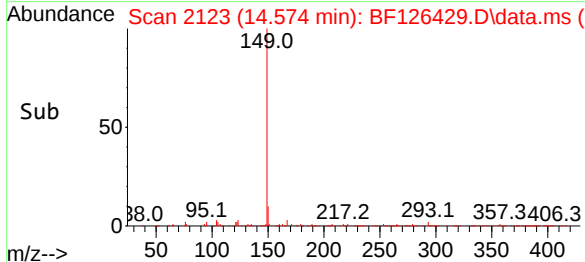
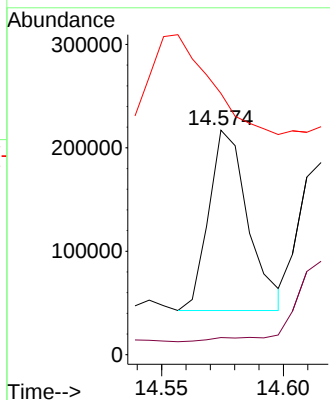
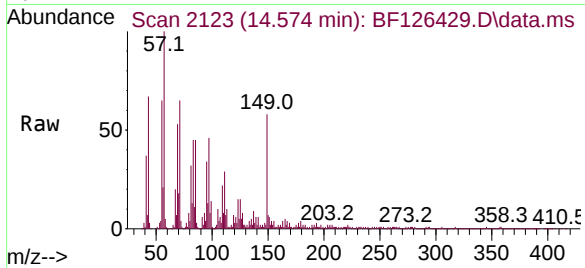




#85  
Di-n-octyl phthalate  
Concen: 26.677 ng  
RT: 14.574 min Scan# 2120  
Delta R.T. 0.018 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5C

Tgt Ion:149 Resp: 196381  
Ion Ratio Lower Upper  
149 100  
167 0.0 1.1 1.7#  
43 96.4 9.9 14.9#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.427 min Scan# 2268  
Delta R.T. 0.030 min  
Lab File: BF126429.D  
Acq: 30 Dec 2021 20:28

Tgt Ion:264 Resp: 125153  
Ion Ratio Lower Upper  
264 100  
260 24.4 19.2 28.8  
265 21.9 17.4 26.2

