

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121621\  
 Data File : BF126209.D  
 Acq On : 16 Dec 2021 13:41  
 Operator : JU/CG  
 Sample : M4919-06  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 16 14:06:01 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 16 12:22:48 2021  
 Response via : Initial Calibration

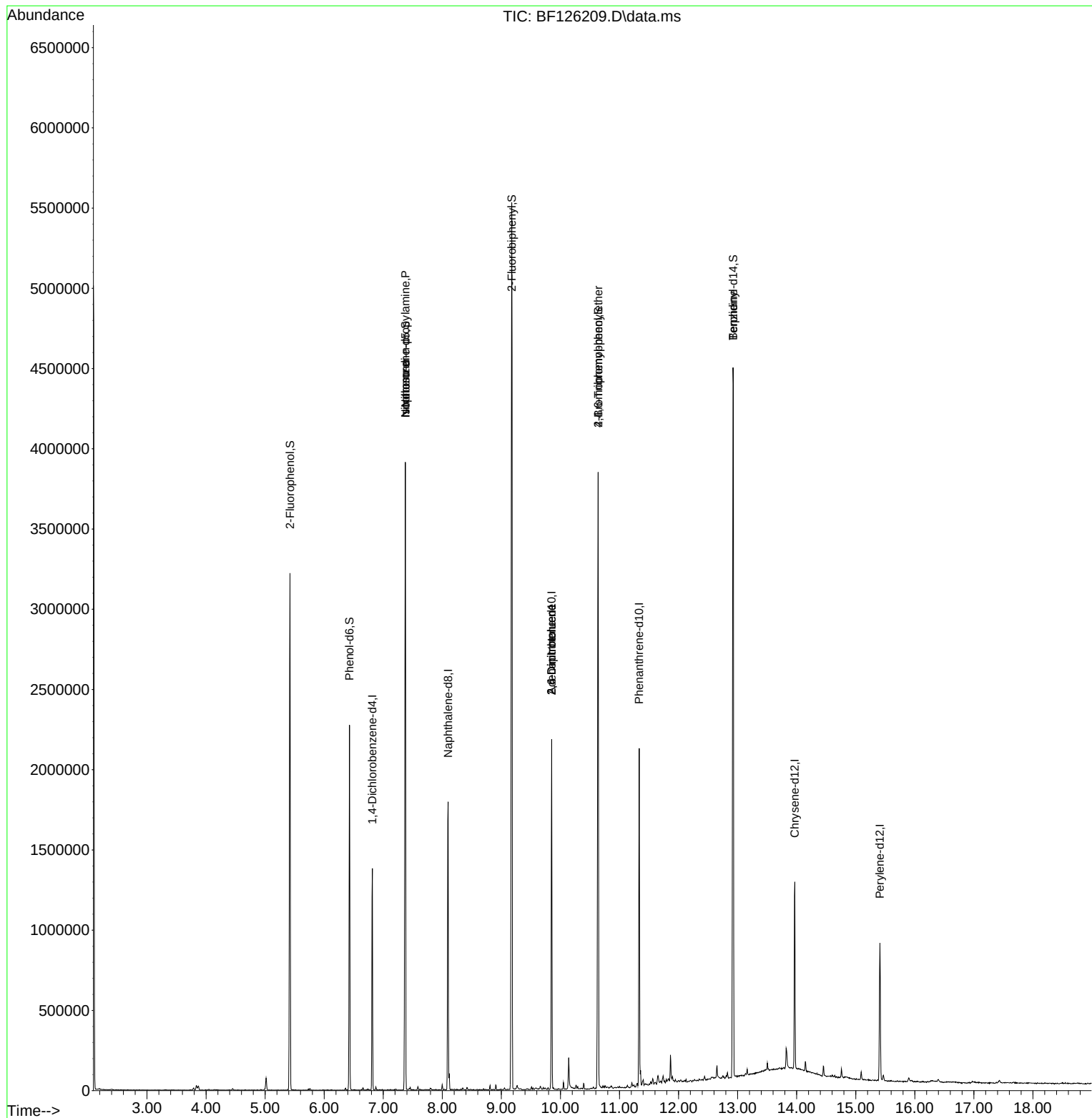
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.816  | 152  | 190372   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.098  | 136  | 820840   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.851  | 164  | 404016   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.333 | 188  | 685349   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.968 | 240  | 380017   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.410 | 264  | 343199   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 895718   | 69.290  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.428  | 99   | 722088   | 43.992  | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.375  | 82   | 1414089  | 93.302  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.639 | 330  | 470189   | 144.814 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.175  | 172  | 1874700  | 81.383  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.927 | 244  | 1659452  | 75.900  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.375  | 70   | 180956   | 17.958  | ng    | # 57     |
| 25) Isophorone                | 7.375  | 82   | 1349591  | 47.154  | ng    | # 59     |
| 51) 2,6-Dinitrotoluene        | 9.851  | 165  | 51757    | 9.344   | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.851  | 165  | 51757    | 7.325   | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether | 10.639 | 248  | 23928    | 3.720   | ng    | # 1      |
| 77) Benzidine                 | 12.927 | 184  | 21173    | 3.534   | ng    | # 94     |
| -----                         |        |      |          |         |       |          |

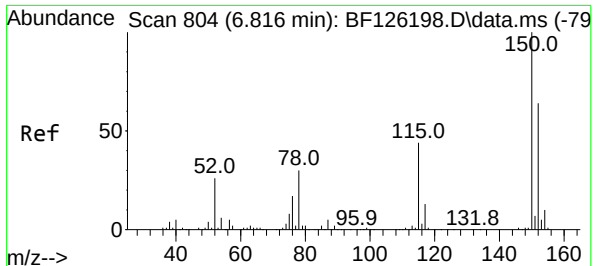
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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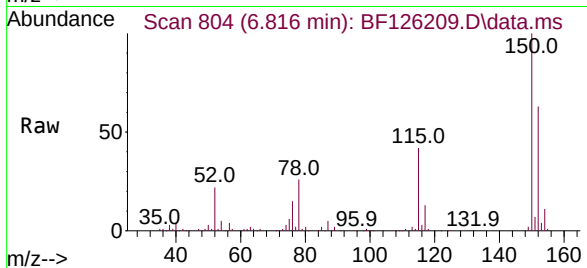
Quant Time: Dec 16 14:06:01 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 16 12:22:48 2021  
Response via : Initial Calibration



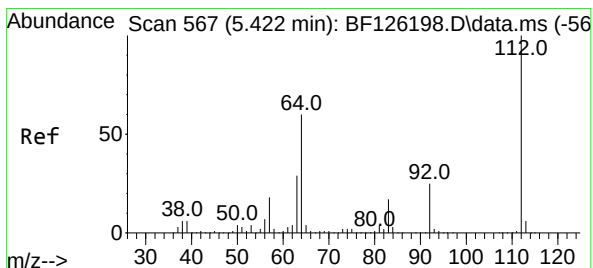
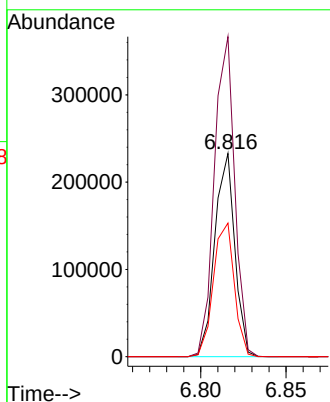
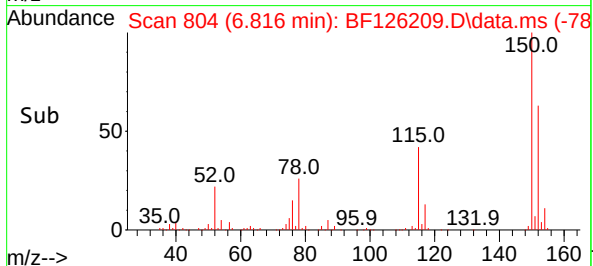


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.816 min Scan# 804  
 Delta R.T. -0.000 min  
 Lab File: BF126209.D  
 Acq: 16 Dec 2021 13:41

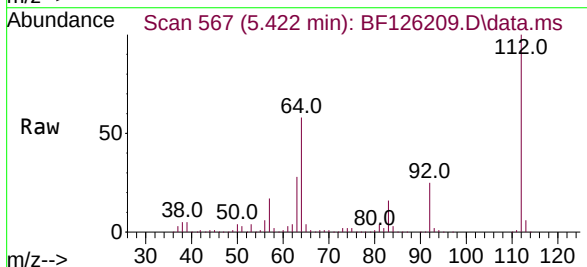
Instrument :  
 BNA\_F  
 ClientSampleId :



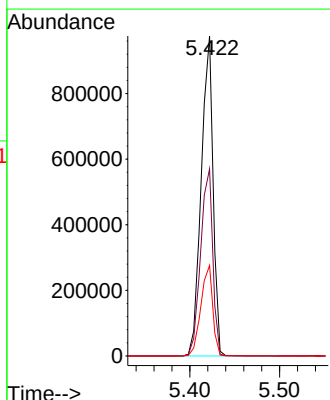
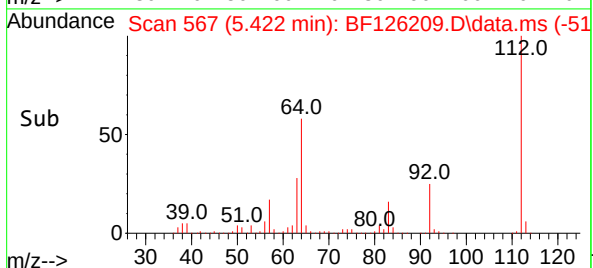
Tgt Ion:152 Resp: 190372  
 Ion Ratio Lower Upper  
 152 100  
 150 157.5 117.6 176.4  
 115 65.7 47.1 70.7

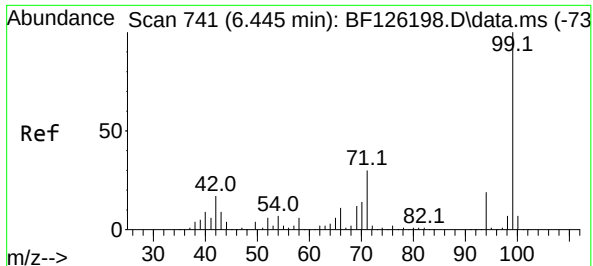


#5  
 2-Fluorophenol  
 Concen: 69.290 ng  
 RT: 5.422 min Scan# 567  
 Delta R.T. 0.000 min  
 Lab File: BF126209.D  
 Acq: 16 Dec 2021 13:41



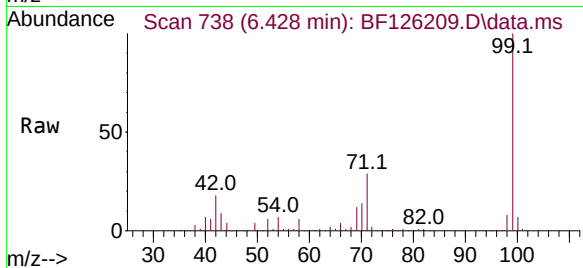
Tgt Ion:112 Resp: 895718  
 Ion Ratio Lower Upper  
 112 100  
 64 58.4 44.2 66.2  
 63 28.3 26.2 39.2



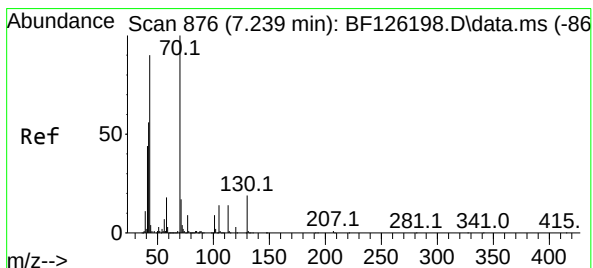
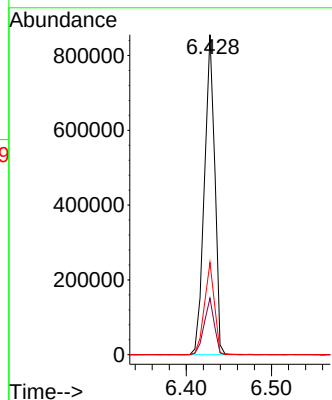
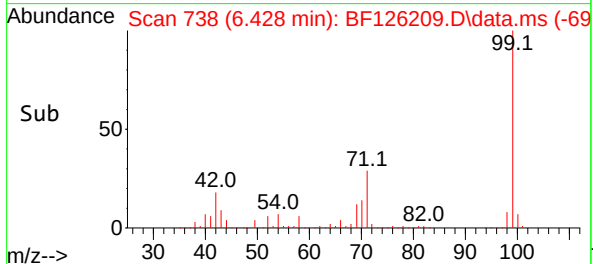


#7  
Phenol-d6  
Concen: 43.992 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.017 min  
Lab File: BF126209.D  
Acq: 16 Dec 2021 13:41

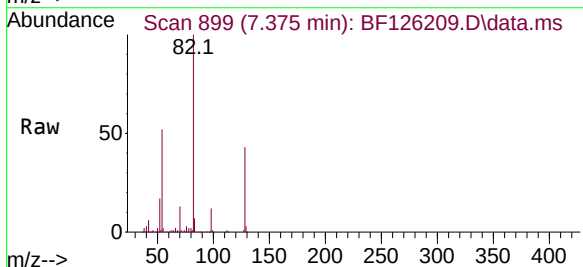
Instrument :  
BNA\_F  
ClientSampleId :



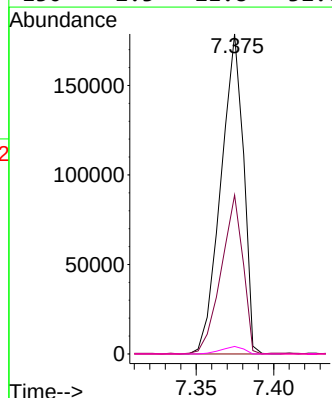
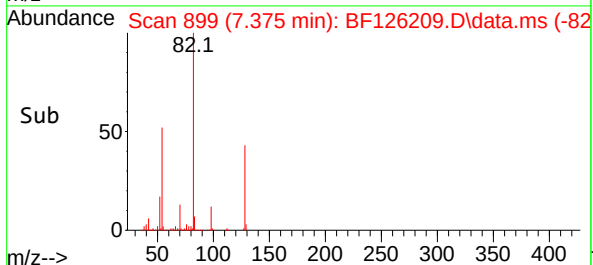
Tgt Ion: 99 Resp: 722088  
Ion Ratio Lower Upper  
99 100  
42 17.6 23.5 35.3#  
71 28.8 25.6 38.4

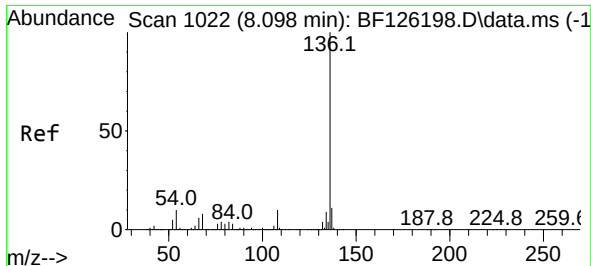


#19  
n-Nitroso-di-n-propylamine  
Concen: 17.958 ng  
RT: 7.375 min Scan# 899  
Delta R.T. 0.135 min  
Lab File: BF126209.D  
Acq: 16 Dec 2021 13:41



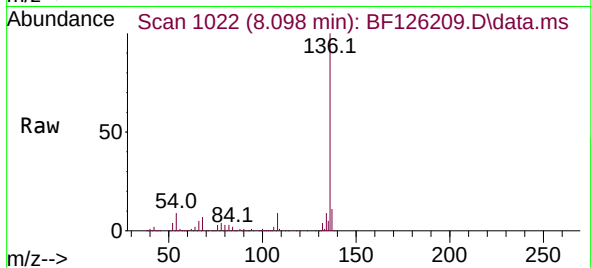
Tgt Ion: 70 Resp: 180956  
Ion Ratio Lower Upper  
70 100  
42 49.7 72.2 108.2#  
101 0.0 7.8 11.8#  
130 2.3 21.8 32.6#



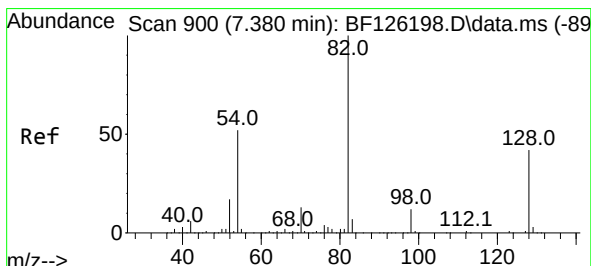
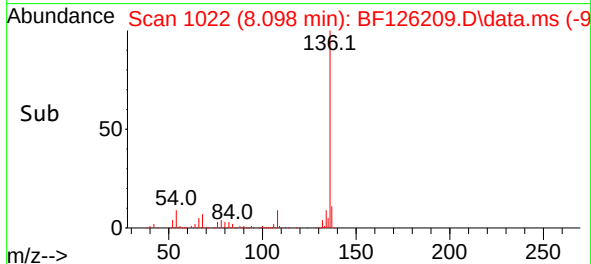
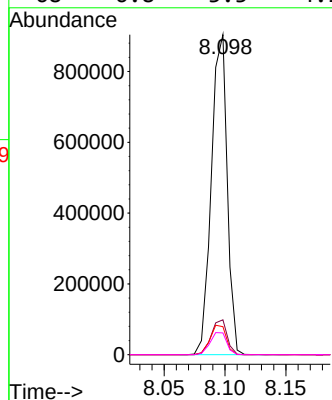


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.098 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: BF126209.D  
Acq: 16 Dec 2021 13:41

Instrument :  
BNA\_F  
ClientSampleId :

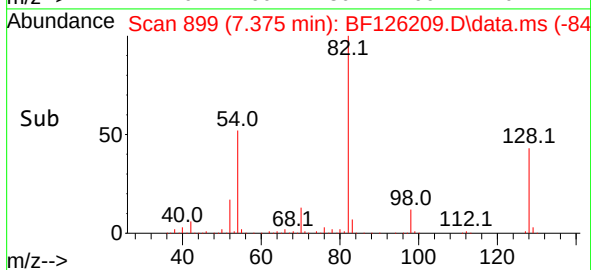
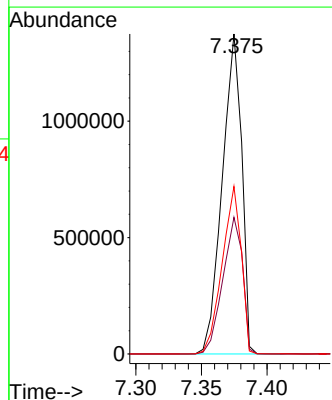
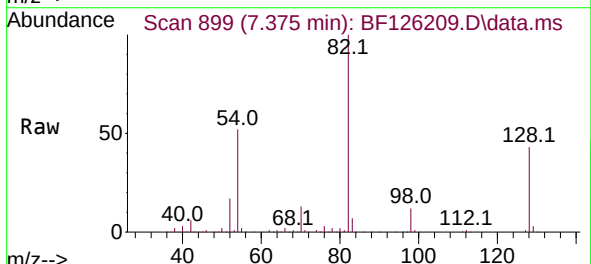


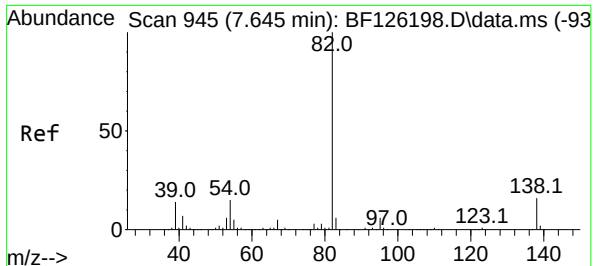
Tgt Ion:136 Resp: 820840  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.8 14.6  
54 8.8 6.4 9.6  
68 6.8 3.3 4.9#



#23  
Nitrobenzene-d5  
Concen: 93.302 ng  
RT: 7.375 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BF126209.D  
Acq: 16 Dec 2021 13:41

Tgt Ion: 82 Resp: 1414089  
Ion Ratio Lower Upper  
82 100  
128 42.7 40.6 60.8  
54 52.4 49.6 74.4

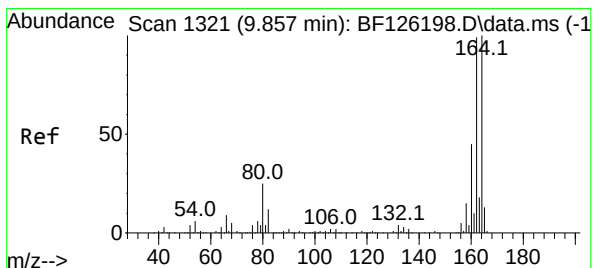
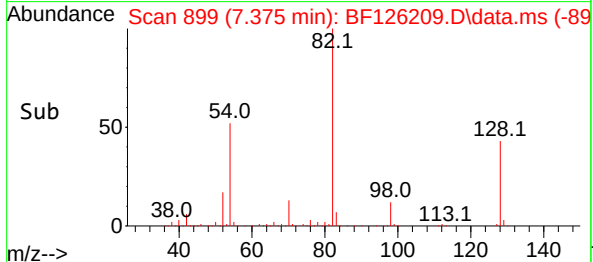
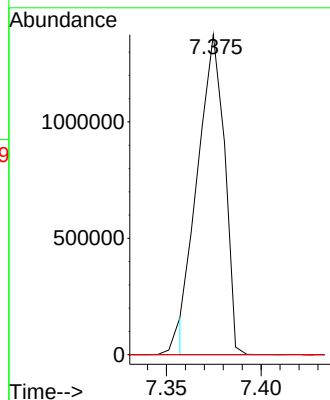
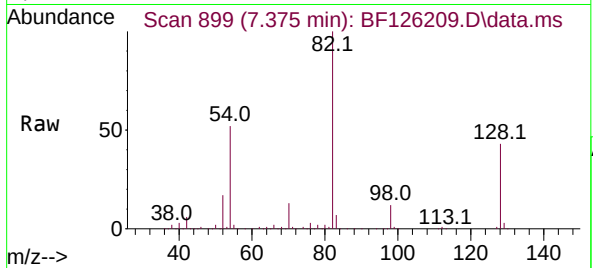




#25  
Isophorone  
Concen: 47.154 ng  
RT: 7.375 min Scan# 899  
Delta R.T. -0.270 min  
Lab File: BF126209.D  
Acq: 16 Dec 2021 13:41

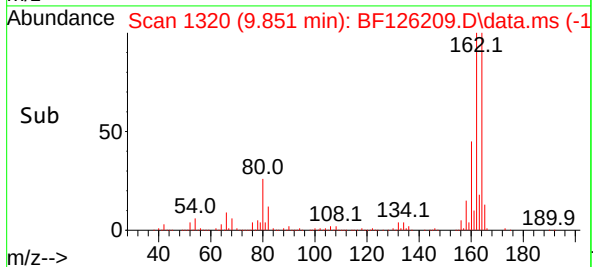
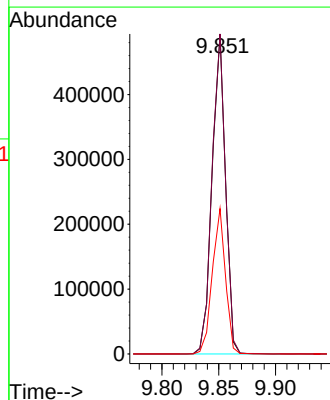
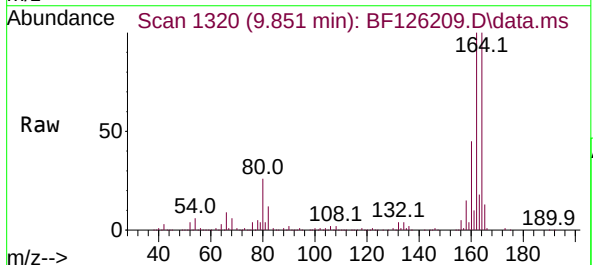
Instrument :  
BNA\_F  
ClientSampleId :

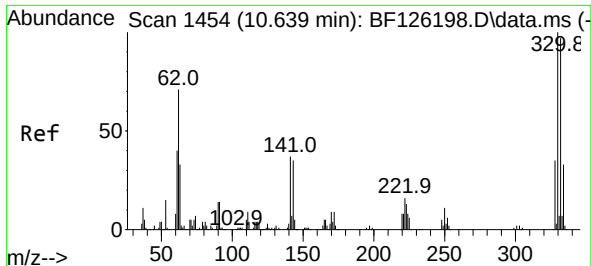
Tgt Ion: 82 Resp: 1349591  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.851 min Scan# 1320  
Delta R.T. -0.006 min  
Lab File: BF126209.D  
Acq: 16 Dec 2021 13:41

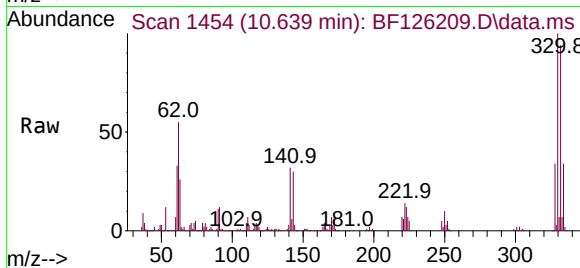
Tgt Ion:164 Resp: 404016  
Ion Ratio Lower Upper  
164 100  
162 100.0 81.3 121.9  
160 45.5 38.0 57.0



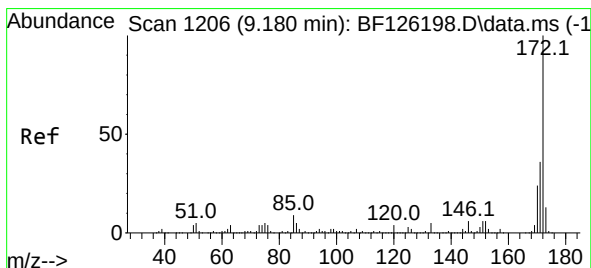
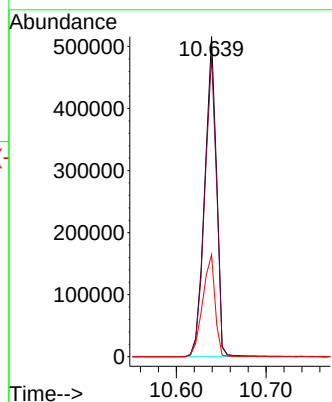
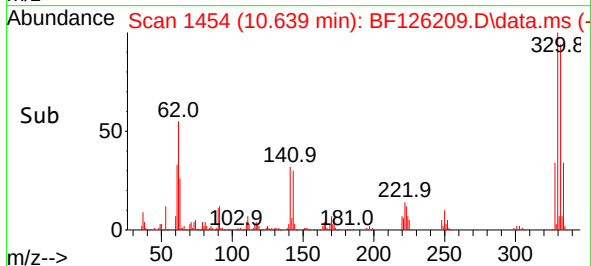


#42  
2,4,6-Tribromophenol  
Concen: 144.814 ng  
RT: 10.639 min Scan# 1454  
Delta R.T. 0.000 min  
Lab File: BF126209.D  
Acq: 16 Dec 2021 13:41

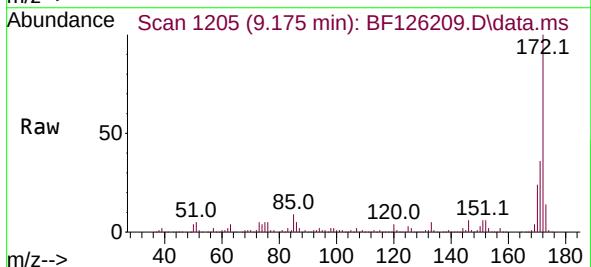
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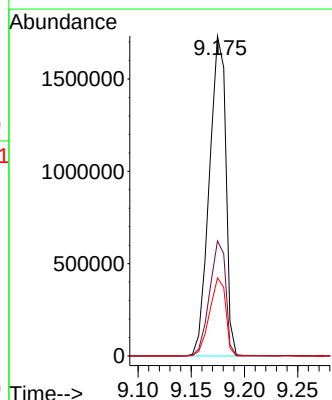
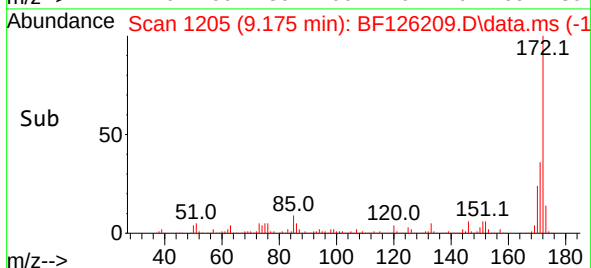
Tgt Ion:330 Resp: 470189  
Ion Ratio Lower Upper  
330 100  
332 94.8 76.2 114.4  
141 33.6 44.6 66.8#

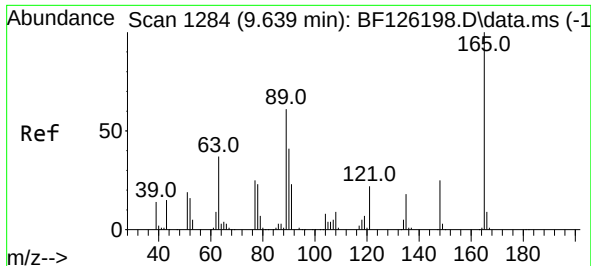


#45  
2-Fluorobiphenyl  
Concen: 81.383 ng  
RT: 9.175 min Scan# 1205  
Delta R.T. -0.006 min  
Lab File: BF126209.D  
Acq: 16 Dec 2021 13:41



Tgt Ion:172 Resp: 1874700  
Ion Ratio Lower Upper  
172 100  
171 35.9 26.5 39.7  
170 24.4 18.8 28.2

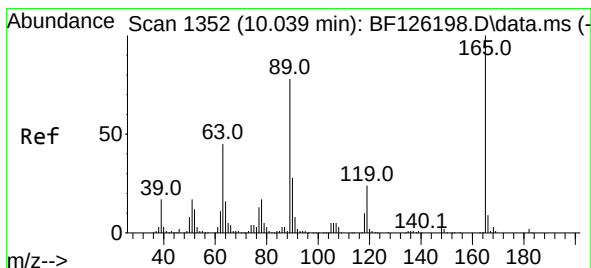
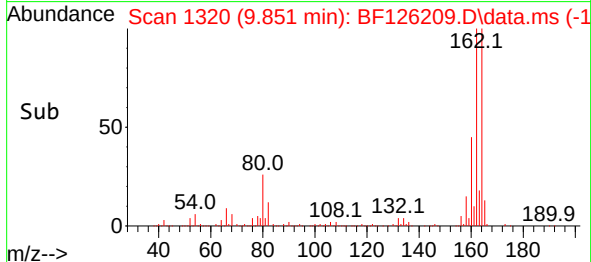
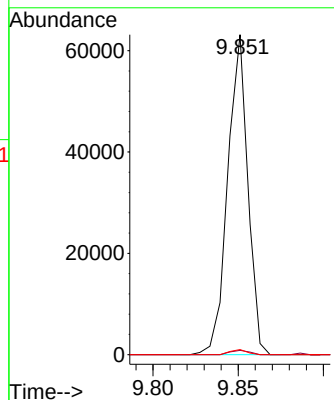
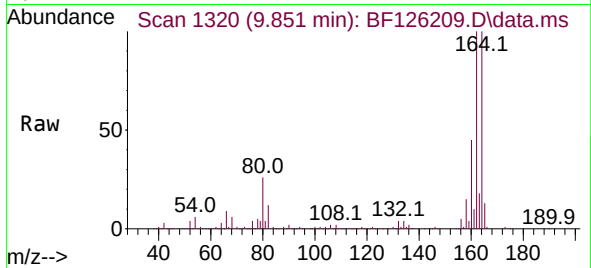




#51  
2,6-Dinitrotoluene  
Concen: 9.344 ng  
RT: 9.851 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF126209.D  
Acq: 16 Dec 2021 13:41

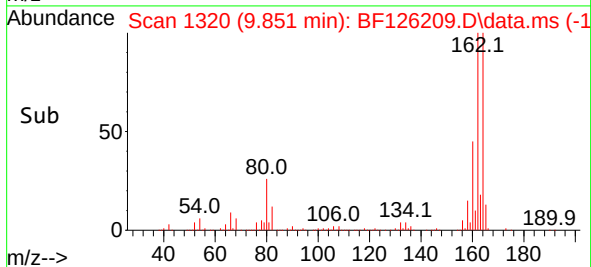
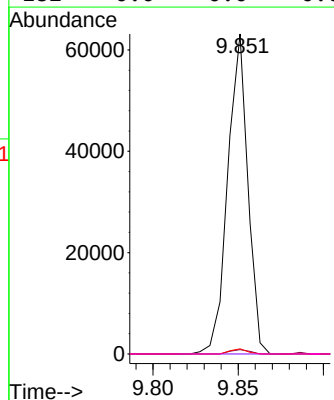
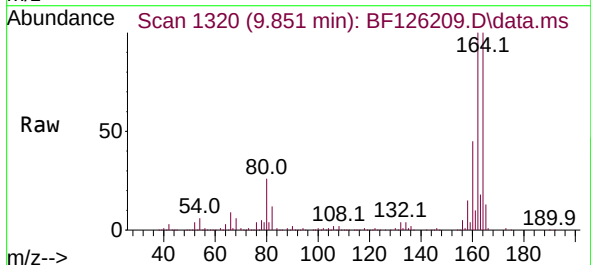
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:165 Resp: 51757  
Ion Ratio Lower Upper  
165 100  
63 1.3 42.6 63.8#  
89 1.6 40.6 60.8#

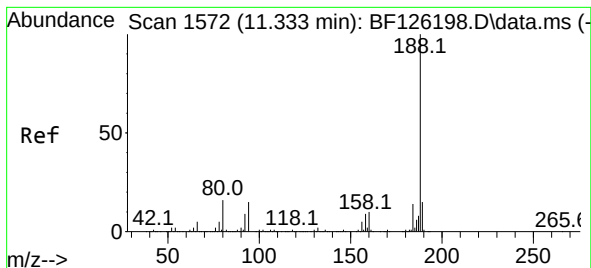


#57  
2,4-Dinitrotoluene  
Concen: 7.325 ng  
RT: 9.851 min Scan# 1320  
Delta R.T. -0.188 min  
Lab File: BF126209.D  
Acq: 16 Dec 2021 13:41

Tgt Ion:165 Resp: 51757  
Ion Ratio Lower Upper  
165 100  
63 1.3 40.9 61.3#  
89 1.6 59.7 89.5#  
182 0.0 0.0 0.0







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF126209.D

Acq: 16 Dec 2021 13:41

Instrument :

BNA\_F

ClientSampleId :

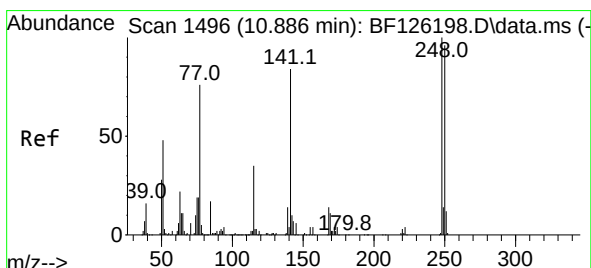
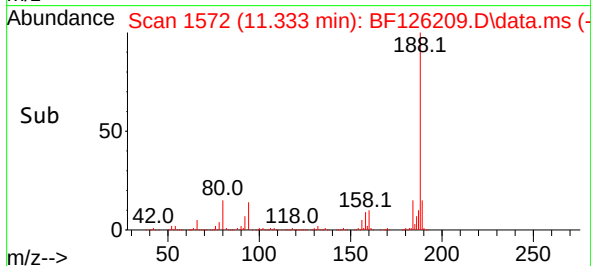
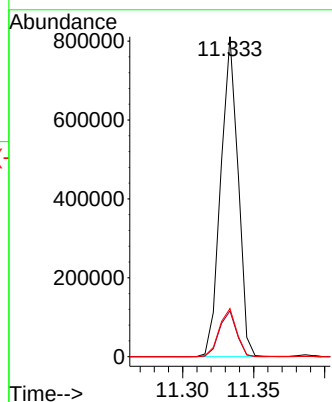
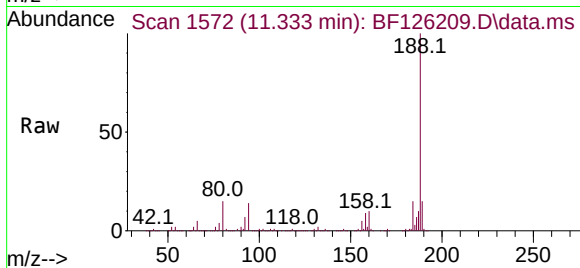
Tgt Ion:188 Resp: 685349

Ion Ratio Lower Upper

188 100

94 14.3 6.7 10.1#

80 15.0 7.5 11.3#



#67

4-Bromophenyl-phenylether

Concen: 3.720 ng

RT: 10.639 min Scan# 1454

Delta R.T. -0.247 min

Lab File: BF126209.D

Acq: 16 Dec 2021 13:41

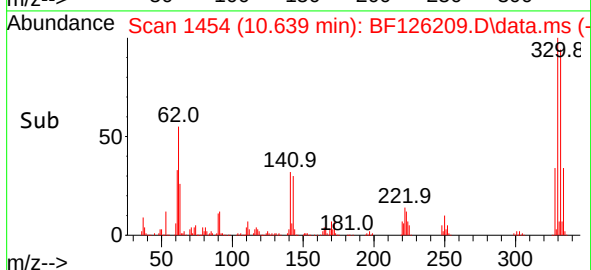
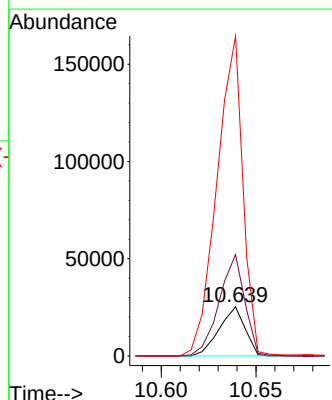
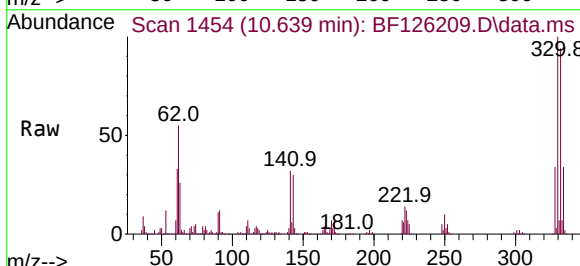
Tgt Ion:248 Resp: 23928

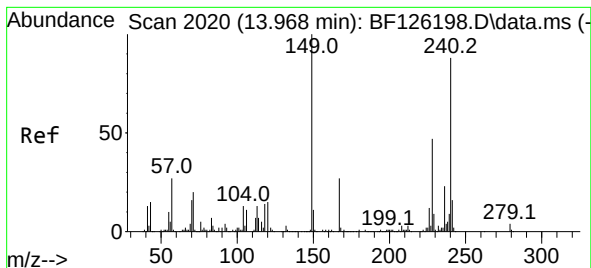
Ion Ratio Lower Upper

248 100

250 206.2 74.2 111.4#

141 650.5 60.4 90.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF126209.D

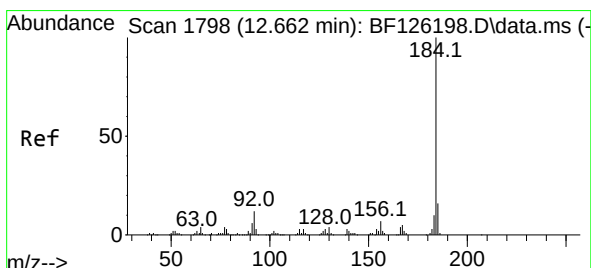
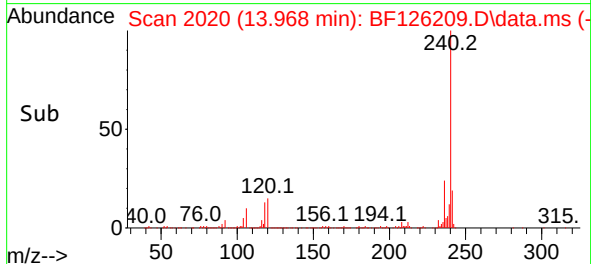
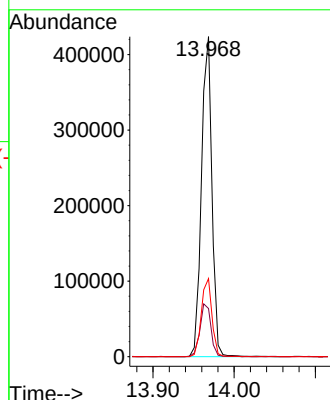
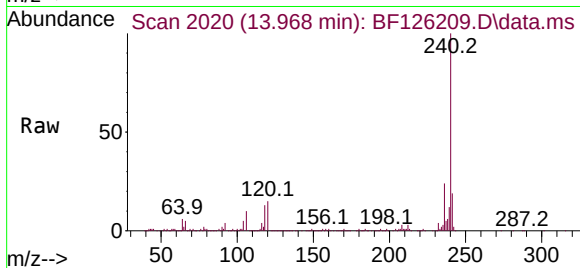
Acq: 16 Dec 2021 13:41

Instrument :

BNA\_F

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 380017 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 15.1  | 10.8  | 16.2   |
| 236       | 24.4  | 21.6  | 32.4   |



#77

Benzidine

Concen: 3.534 ng

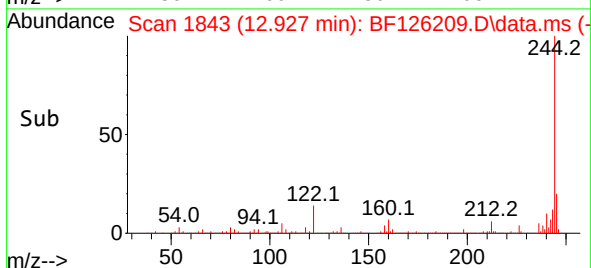
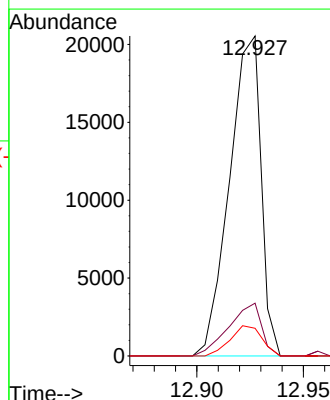
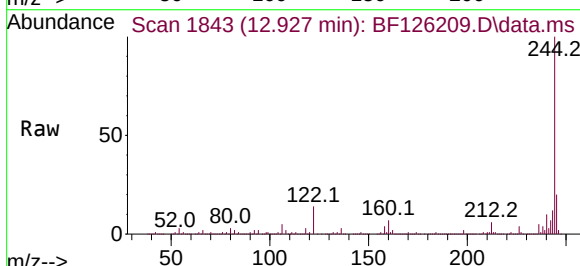
RT: 12.927 min Scan# 1843

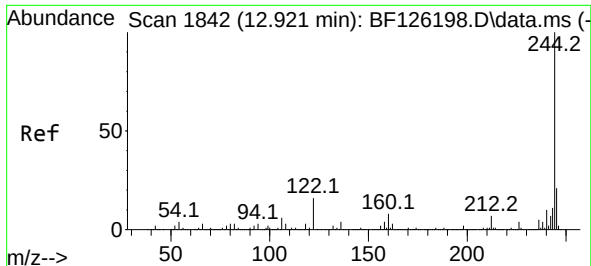
Delta R.T. 0.265 min

Lab File: BF126209.D

Acq: 16 Dec 2021 13:41

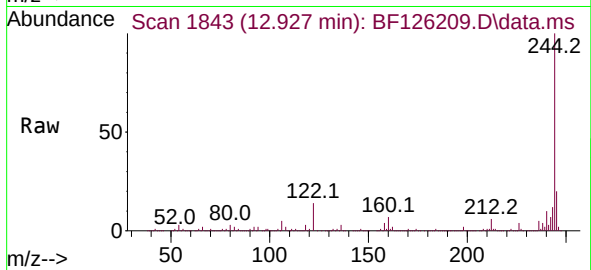
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 184   | Resp: | 21173 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 16.5  | 10.8  | 16.2# |
| 183       | 8.6   | 8.1   | 12.1  |





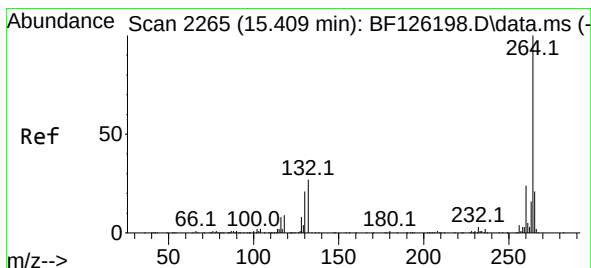
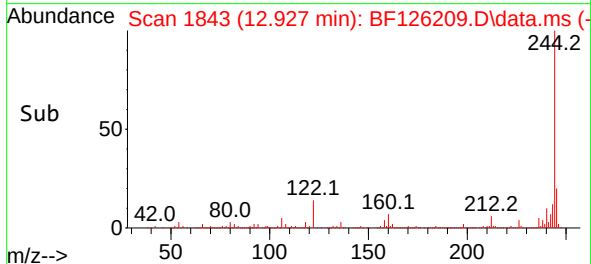
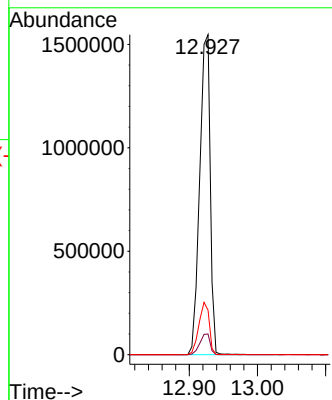
#79  
 Terphenyl-d14  
 Concen: 75.900 ng  
 RT: 12.927 min Scan# 1843  
 Delta R.T. 0.006 min  
 Lab File: BF126209.D  
 Acq: 16 Dec 2021 13:41

Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion:244 Resp: 1659452  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.5   | 5.9   | 8.9   |
| 122 | 13.9  | 9.0   | 13.4  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.410 min Scan# 2265  
 Delta R.T. 0.000 min  
 Lab File: BF126209.D  
 Acq: 16 Dec 2021 13:41

Tgt Ion:264 Resp: 343199  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 19.6  | 29.4  |
| 265 | 21.1  | 17.2  | 25.8  |

