

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122821\  
 Data File : BF126390.D  
 Acq On : 28 Dec 2021 19:49  
 Operator : JU/CG  
 Sample : M5239-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SASP2-123-1-40-57

Quant Time: Dec 29 08:24:07 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 22 13:00:11 2021  
 Response via : Initial Calibration

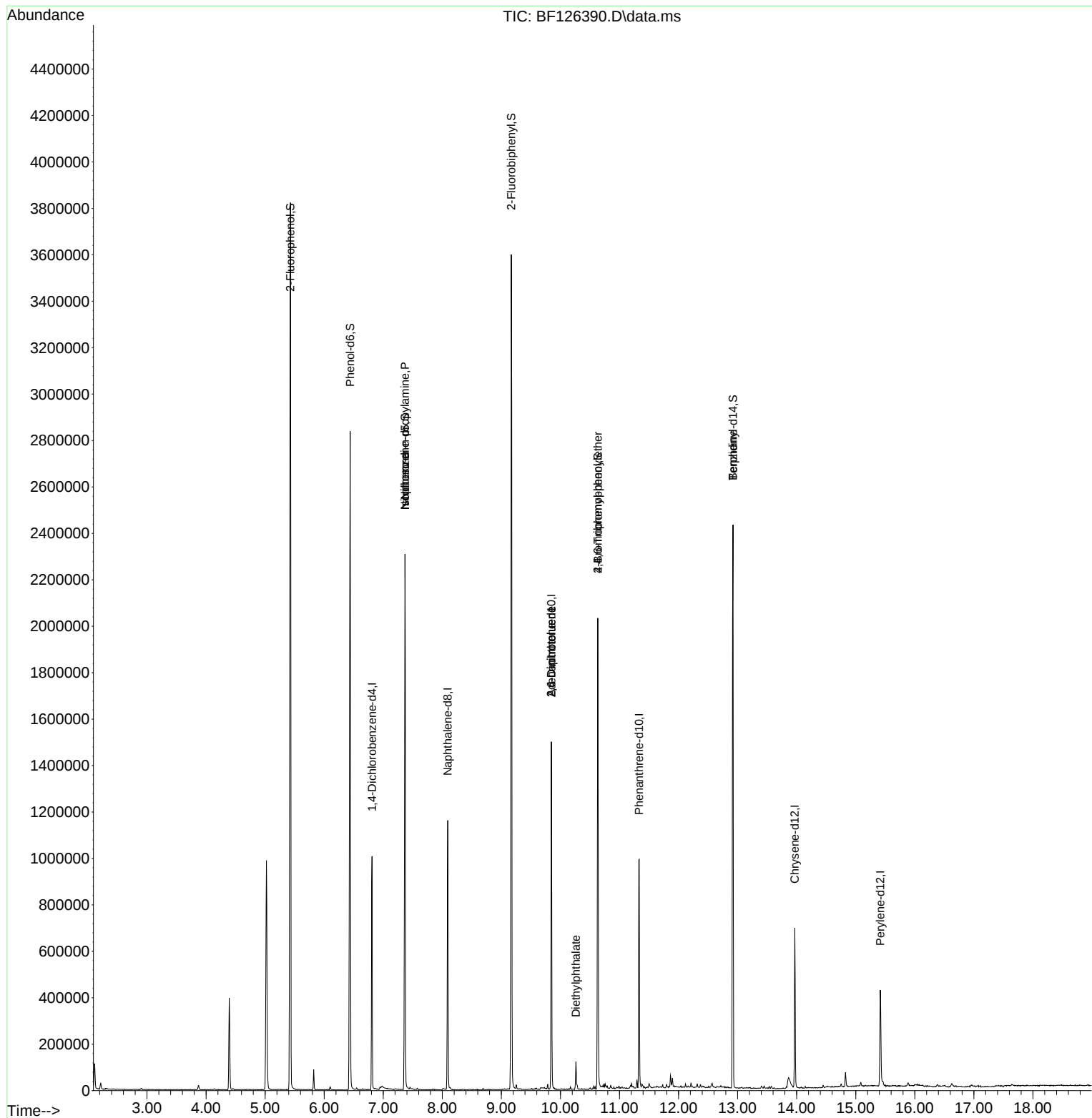
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.810  | 152  | 139653   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.092  | 136  | 544192   | 20.000  | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 9.845  | 164  | 288465   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.333 | 188  | 374992   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.968 | 240  | 223921   | 20.000  | ng    | #-0.01   |
| 86) Perylene-d12              | 15.415 | 264  | 188028   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 1171503  | 123.536 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.439  | 99   | 1160749  | 96.399  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.369  | 82   | 858246   | 85.415  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.633 | 330  | 241973   | 104.378 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.169  | 172  | 1161952  | 70.647  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.921 | 244  | 787010   | 61.089  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.369  | 70   | 109242   | 14.778  | ng    | # 56     |
| 25) Isophorone                | 7.369  | 82   | 858367   | 45.237  | ng    | # 59     |
| 51) 2,6-Dinitrotoluene        | 9.845  | 165  | 37618    | 9.511   | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.845  | 165  | 37618    | 7.456   | ng    | # 20     |
| 60) Diethylphthalate          | 10.263 | 149  | 37103    | 2.021   | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 10.633 | 248  | 12944    | 3.678   | ng    | # 1      |
| 77) Benzidine                 | 12.921 | 184  | 9456     | 2.679   | ng    | # 95     |
| -----                         |        |      |          |         |       |          |

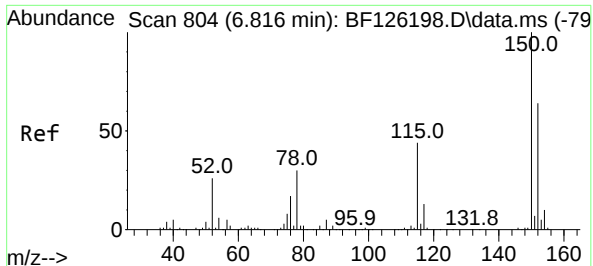
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 22 13:00:11 2021  
Response via : Initial Calibration

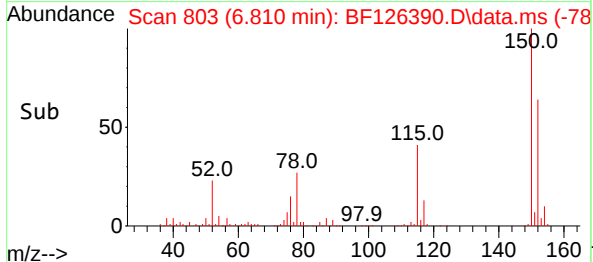
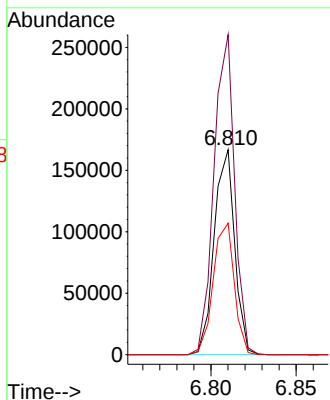
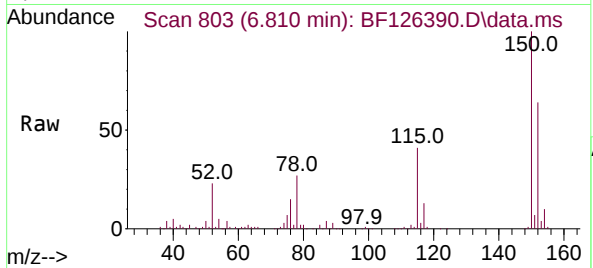




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.810 min Scan# 804  
Delta R.T. -0.006 min  
Lab File: BF126390.D  
Acq: 28 Dec 2021 19:49

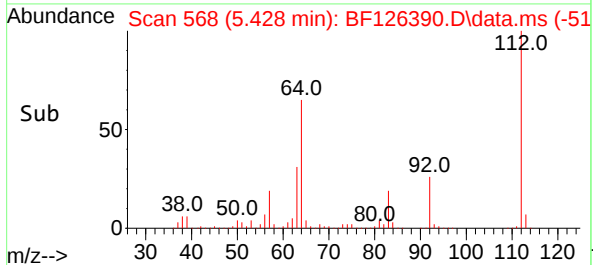
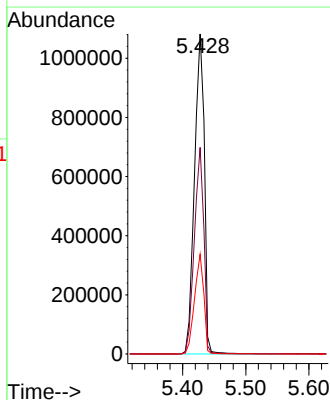
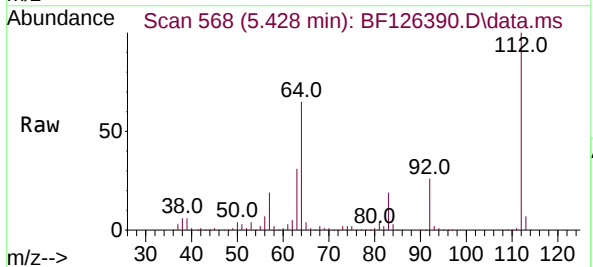
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BNA\_F  
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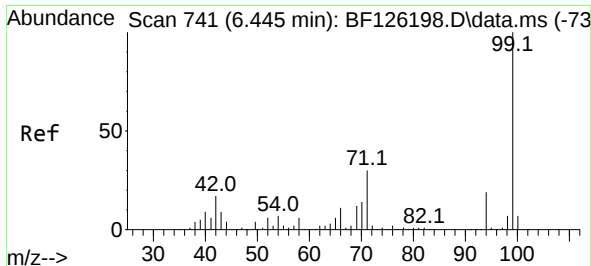
Tgt Ion:152 Resp: 139653  
Ion Ratio Lower Upper  
152 100  
150 156.2 117.6 176.4  
115 64.2 47.1 70.7



#5  
2-Fluorophenol  
Concen: 123.536 ng  
RT: 5.428 min Scan# 568  
Delta R.T. 0.000 min  
Lab File: BF126390.D  
Acq: 28 Dec 2021 19:49

Tgt Ion:112 Resp: 1171503  
Ion Ratio Lower Upper  
112 100  
64 64.5 44.2 66.2  
63 31.1 26.2 39.2

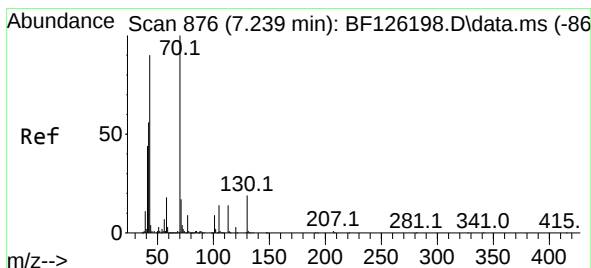
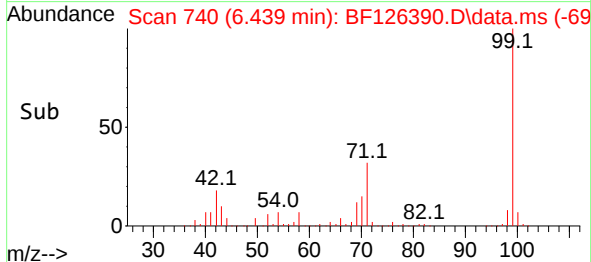
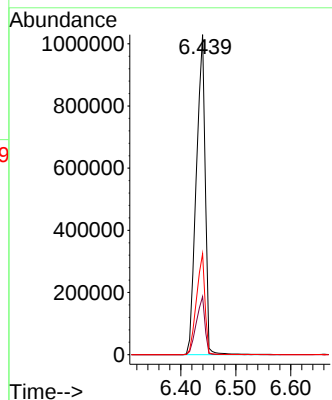
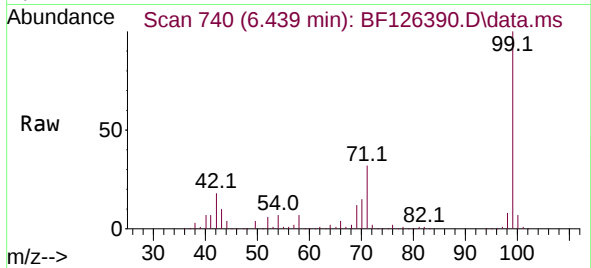




#7  
Phenol-d6  
Concen: 96.399 ng  
RT: 6.439 min Scan# 741  
Delta R.T. -0.006 min  
Lab File: BF126390.D  
Acq: 28 Dec 2021 19:49

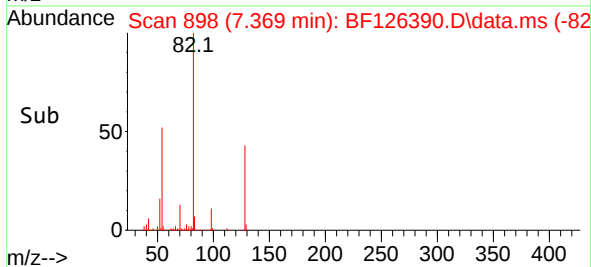
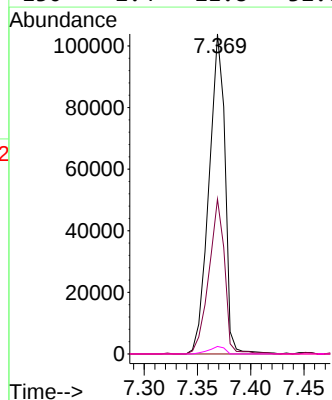
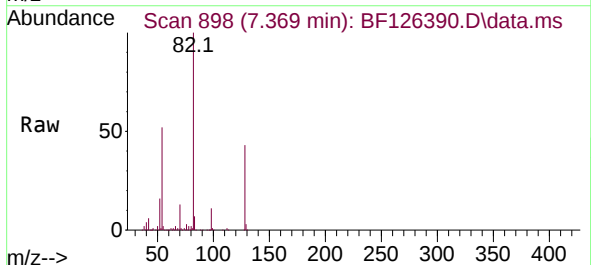
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-123-1-40-57

Tgt Ion: 99 Resp: 1160749  
Ion Ratio Lower Upper  
99 100  
42 18.2 23.5 35.3#  
71 31.5 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.778 ng  
RT: 7.369 min Scan# 898  
Delta R.T. 0.135 min  
Lab File: BF126390.D  
Acq: 28 Dec 2021 19:49

Tgt Ion: 70 Resp: 109242  
Ion Ratio Lower Upper  
70 100  
42 48.4 72.2 108.2#  
101 0.0 7.8 11.8#  
130 2.4 21.8 32.6#

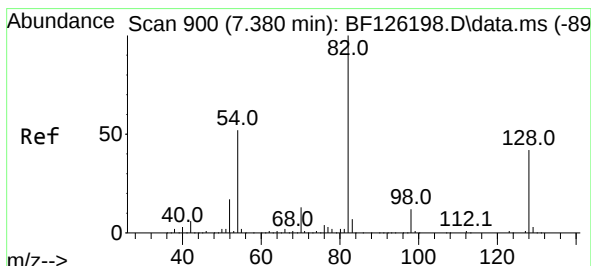
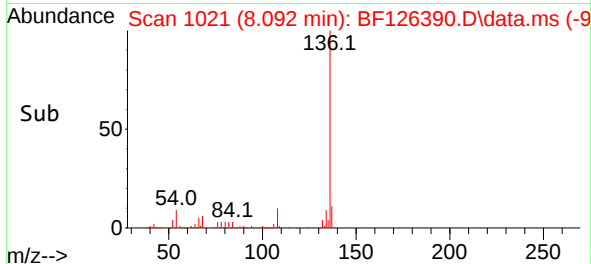
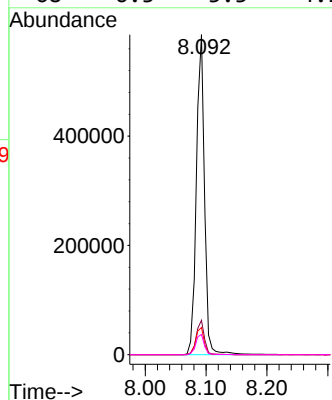
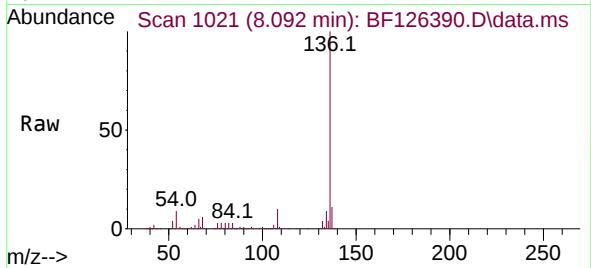




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.092 min Scan# 1022  
Delta R.T. -0.012 min  
Lab File: BF126390.D  
Acq: 28 Dec 2021 19:49

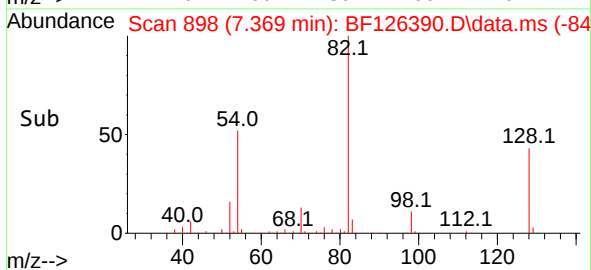
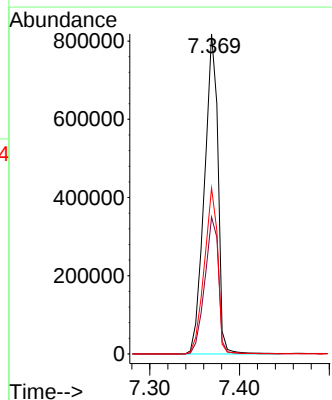
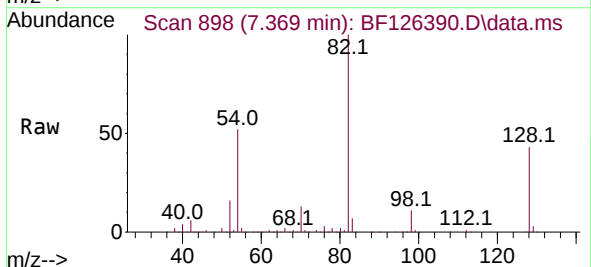
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-123-1-40-57

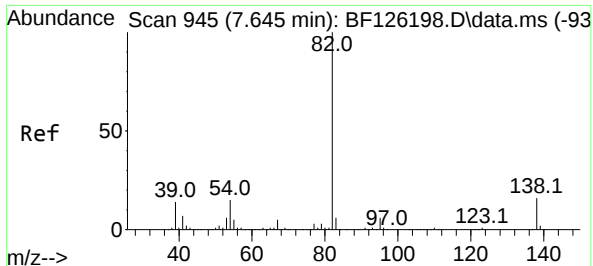
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 544192 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.7    | 9.8 14.6     |
| 54 8.5      | 6.4 9.6      |
| 68 6.3      | 3.3 4.9      |



#23  
Nitrobenzene-d5  
Concen: 85.415 ng  
RT: 7.369 min Scan# 898  
Delta R.T. -0.012 min  
Lab File: BF126390.D  
Acq: 28 Dec 2021 19:49

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 858246 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 42.7    | 40.6 60.8    |
| 54 51.8     | 49.6 74.4    |

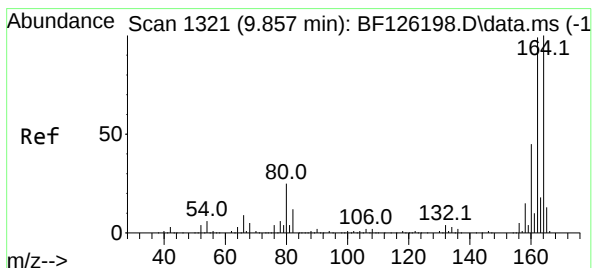
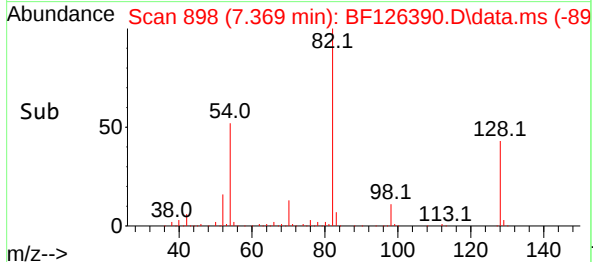
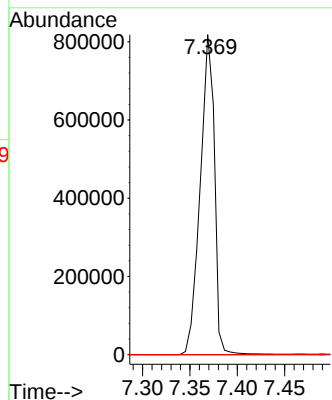
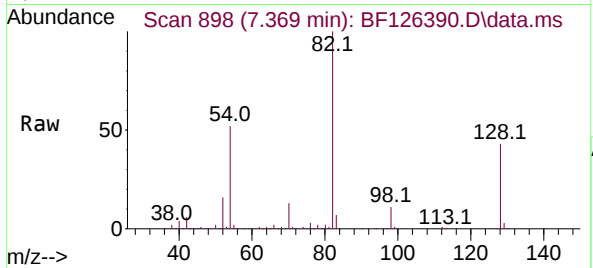




#25  
Isophorone  
Concen: 45.237 ng  
RT: 7.369 min Scan# 89  
Delta R.T. -0.271 min  
Lab File: BF126390.D  
Acq: 28 Dec 2021 19:49

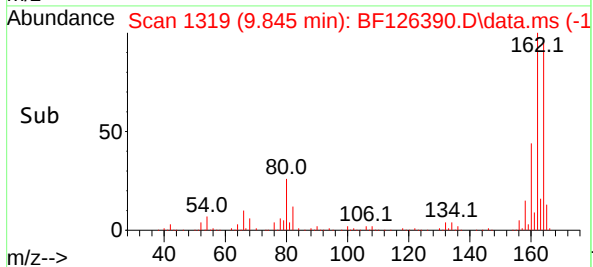
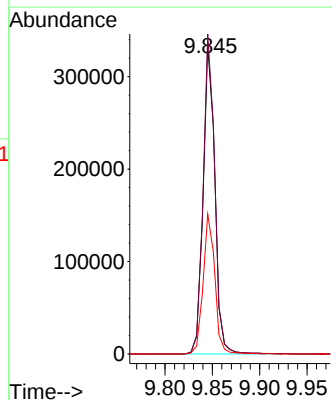
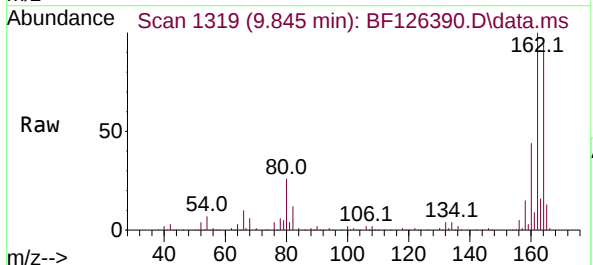
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-123-1-40-57

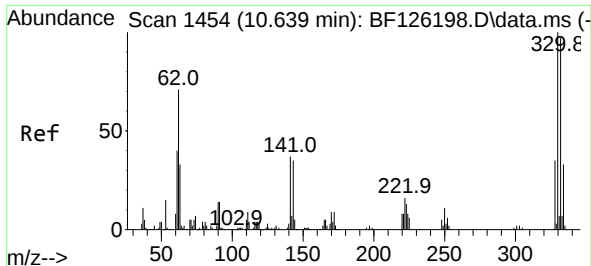
Tgt Ion: 82 Resp: 858367  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.845 min Scan# 1319  
Delta R.T. -0.012 min  
Lab File: BF126390.D  
Acq: 28 Dec 2021 19:49

Tgt Ion:164 Resp: 288465  
Ion Ratio Lower Upper  
164 100  
162 103.7 81.3 121.9  
160 45.3 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 104.378 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.012 min

Lab File: BF126390.D

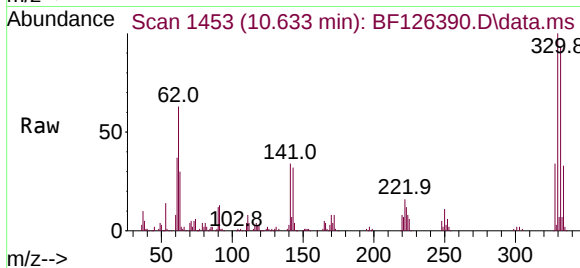
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Instrument :

BNA\_F

ClientSampleId :

SASP2-123-1-40-57



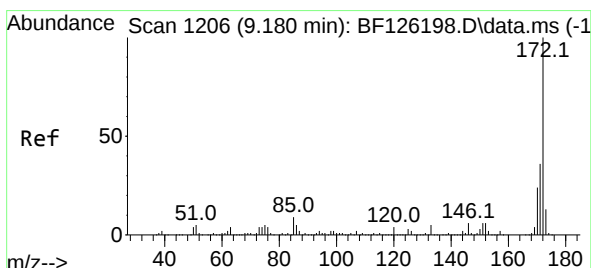
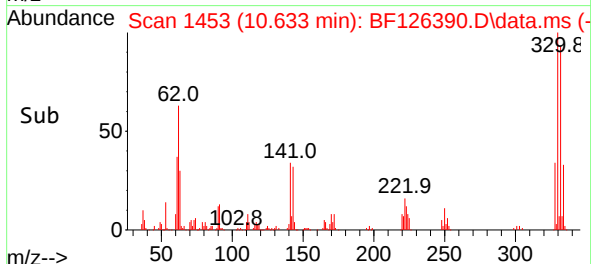
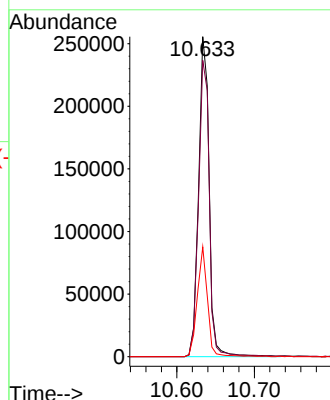
Tgt Ion:330 Resp: 241973

Ion Ratio Lower Upper

330 100

332 94.9 76.2 114.4

141 33.2 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 70.647 ng

RT: 9.169 min Scan# 1204

Delta R.T. -0.012 min

Lab File: BF126390.D

Acq: 28 Dec 2021 19:49

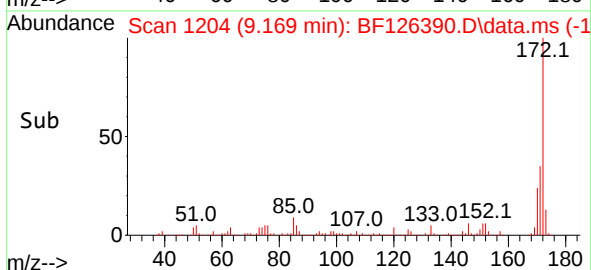
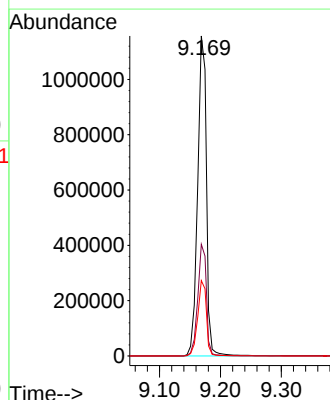
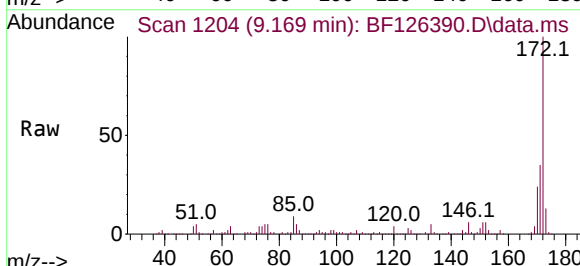
Tgt Ion:172 Resp: 1161952

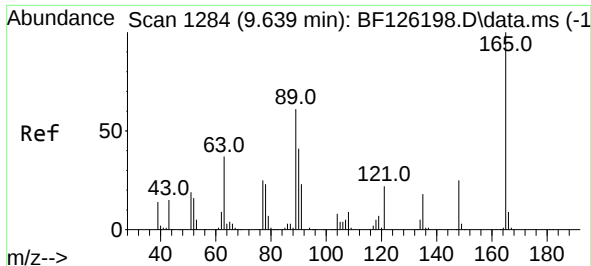
Ion Ratio Lower Upper

172 100

171 34.9 26.5 39.7

170 23.6 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.511 ng

RT: 9.845 min Scan# 1319

Delta R.T. 0.206 min

Lab File: BF126390.D

Acq: 28 Dec 2021 19:49

Instrument :

BNA\_F

ClientSampleId :

SASP2-123-1-40-57

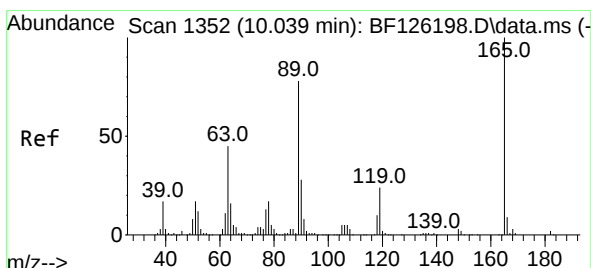
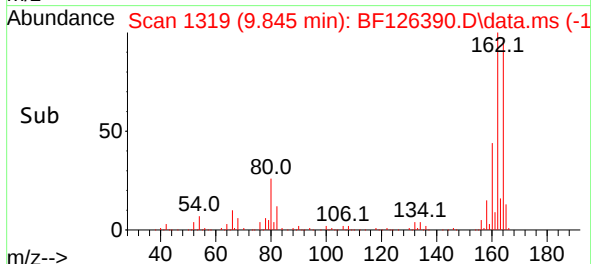
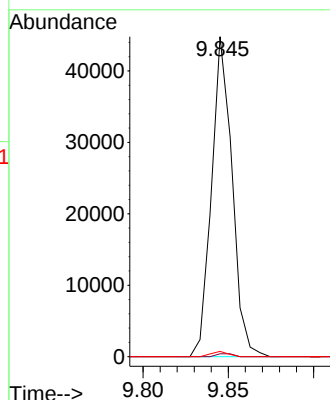
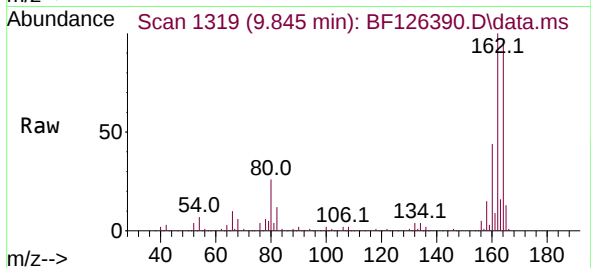
Tgt Ion:165 Resp: 37618

Ion Ratio Lower Upper

165 100

63 0.9 42.6 63.8#

89 1.7 40.6 60.8#



#57

2,4-Dinitrotoluene

Concen: 7.456 ng

RT: 9.845 min Scan# 1319

Delta R.T. -0.194 min

Lab File: BF126390.D

Acq: 28 Dec 2021 19:49

Tgt Ion:165 Resp: 37618

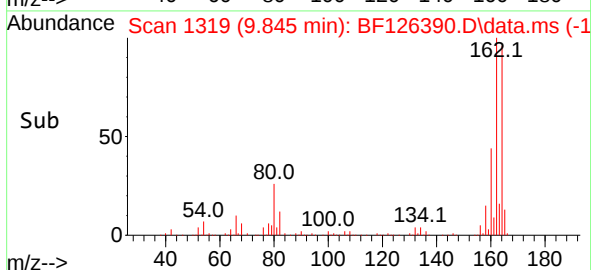
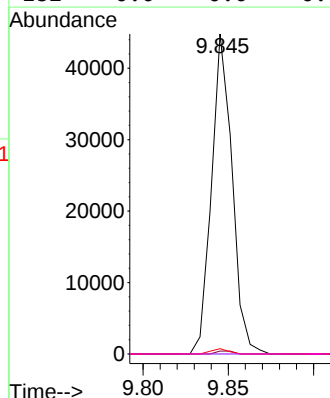
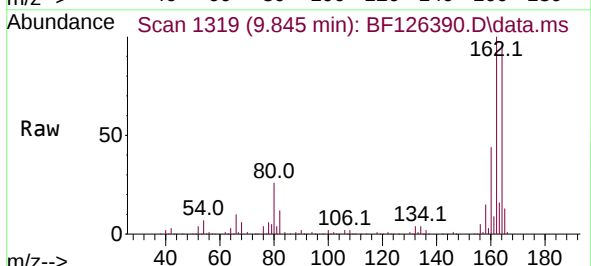
Ion Ratio Lower Upper

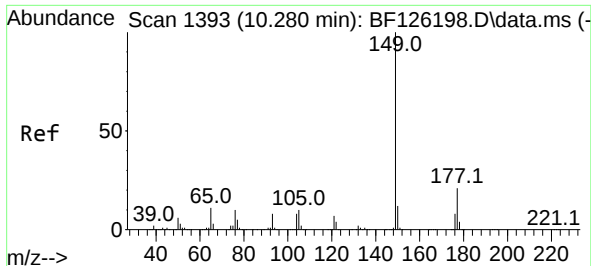
165 100

63 0.9 40.9 61.3#

89 1.7 59.7 89.5#

182 0.0 0.0 0.0

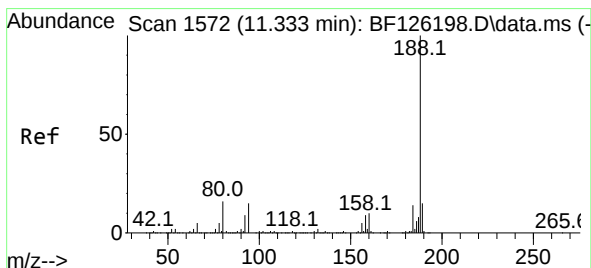
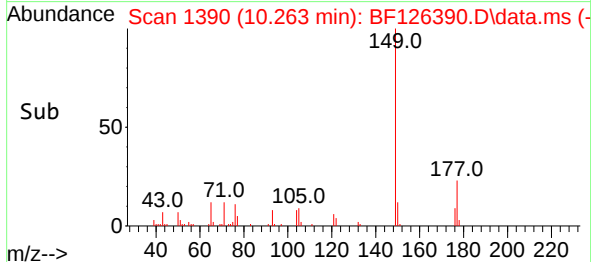
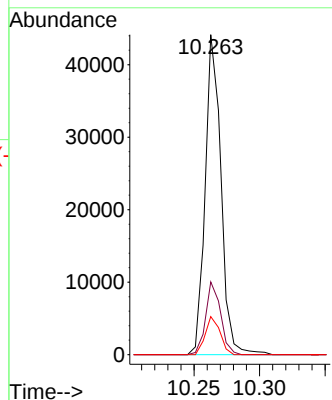
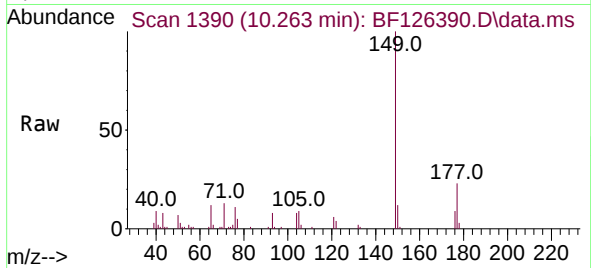




#60  
Diethylphthalate  
Concen: 2.021 ng  
RT: 10.263 min Scan# 1390  
Delta R.T. -0.018 min  
Lab File: BF126390.D  
Acq: 28 Dec 2021 19:49

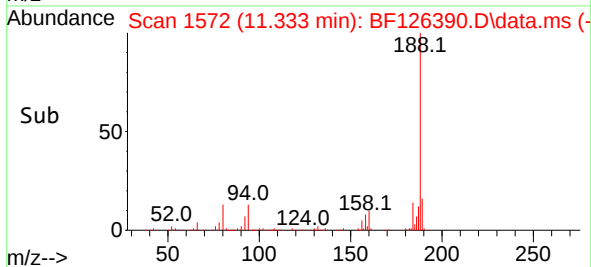
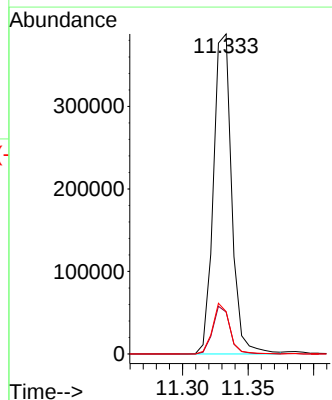
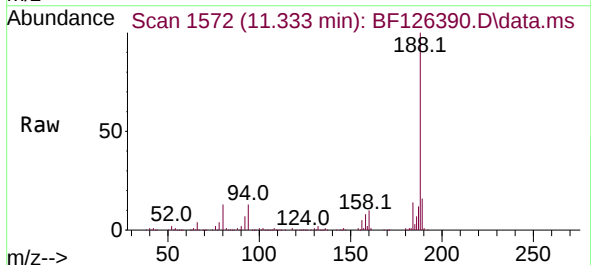
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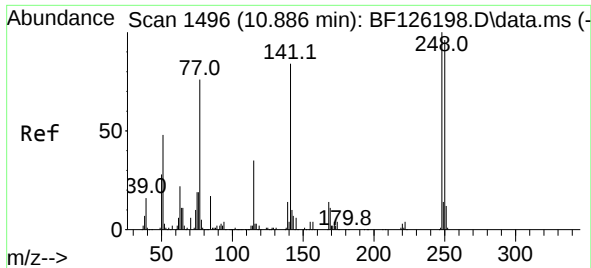
Tgt Ion:149 Resp: 37103  
Ion Ratio Lower Upper  
149 100  
177 22.8 16.5 24.7  
150 11.9 10.1 15.1



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.006 min  
Lab File: BF126390.D  
Acq: 28 Dec 2021 19:49

Tgt Ion:188 Resp: 374992  
Ion Ratio Lower Upper  
188 100  
94 13.1 6.7 10.1#  
80 13.3 7.5 11.3#

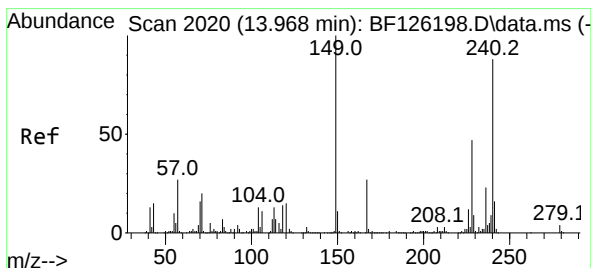
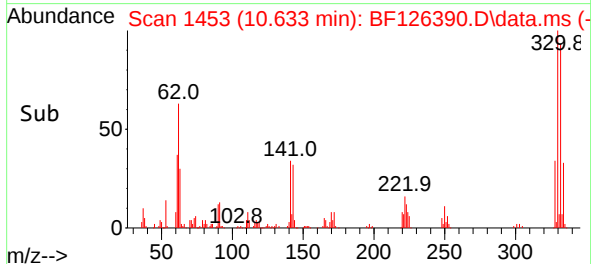
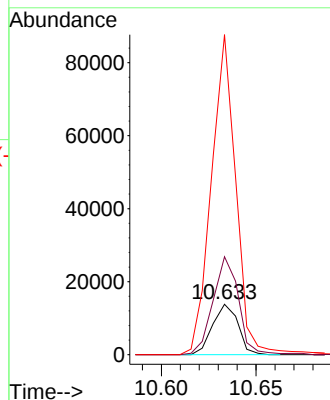
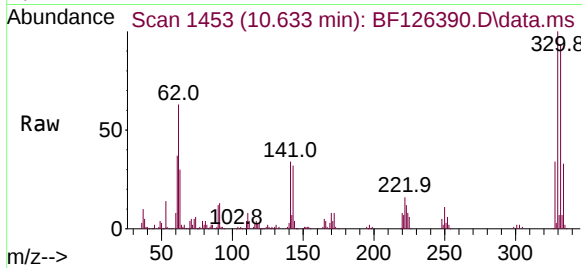




#67  
4-Bromophenyl-phenylether  
Concen: 3.678 ng  
RT: 10.633 min Scan# 1496  
Delta R.T. -0.253 min  
Lab File: BF126390.D  
Acq: 28 Dec 2021 19:49

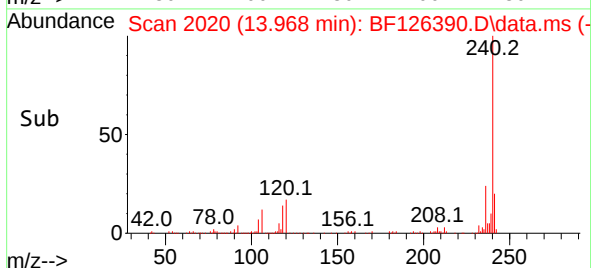
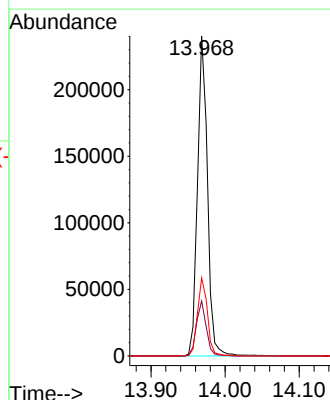
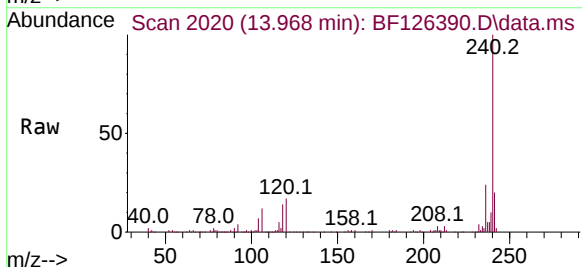
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-123-1-40-57

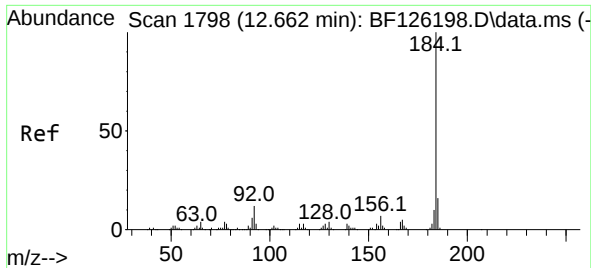
Tgt Ion:248 Resp: 12944  
Ion Ratio Lower Upper  
248 100  
250 194.3 74.2 111.4#  
141 634.5 60.4 90.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.012 min  
Lab File: BF126390.D  
Acq: 28 Dec 2021 19:49

Tgt Ion:240 Resp: 223921  
Ion Ratio Lower Upper  
240 100  
120 17.2 10.8 16.2#  
236 24.4 21.6 32.4

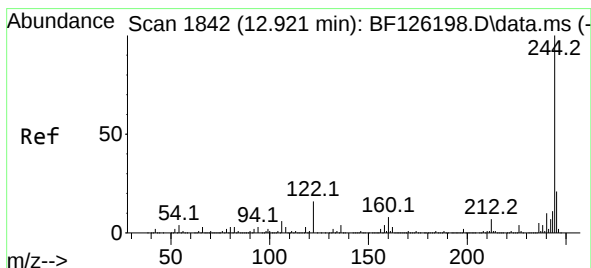
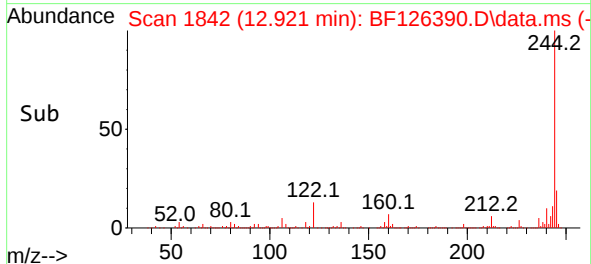
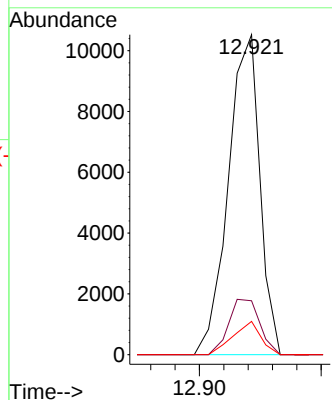
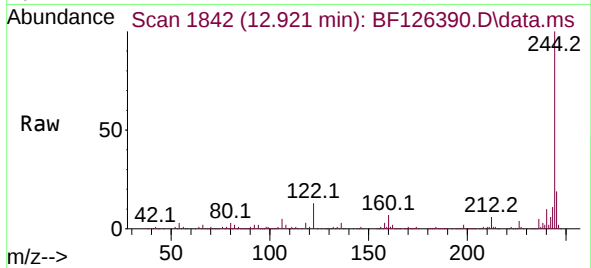




#77  
Benzidine  
Concen: 2.679 ng  
RT: 12.921 min Scan# 1842  
Delta R.T. 0.247 min  
Lab File: BF126390.D  
Acq: 28 Dec 2021 19:49

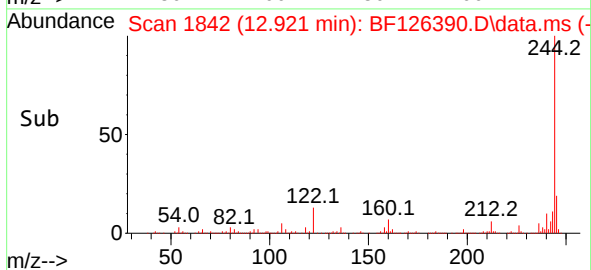
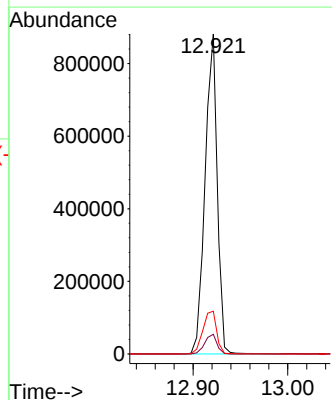
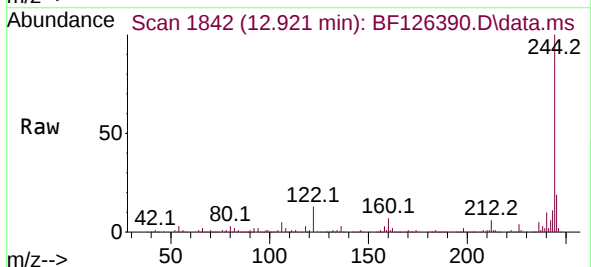
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-123-1-40-57

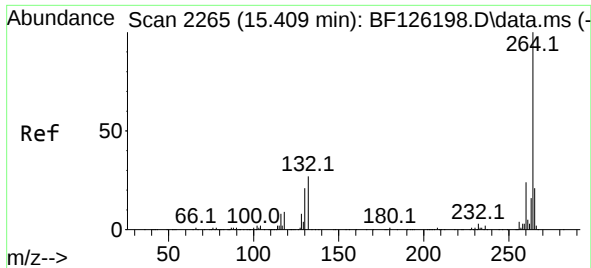
Tgt Ion:184 Resp: 9456  
Ion Ratio Lower Upper  
184 100  
185 16.9 10.8 16.2#  
183 10.4 8.1 12.1



#79  
Terphenyl-d14  
Concen: 61.089 ng  
RT: 12.921 min Scan# 1842  
Delta R.T. -0.006 min  
Lab File: BF126390.D  
Acq: 28 Dec 2021 19:49

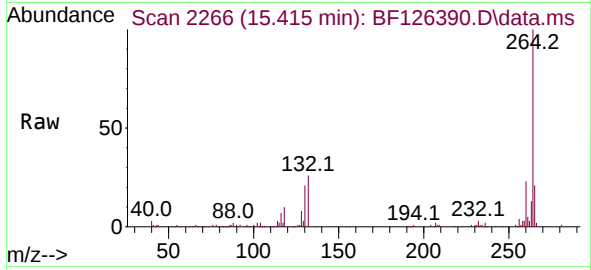
Tgt Ion:244 Resp: 787010  
Ion Ratio Lower Upper  
244 100  
212 6.1 5.9 8.9  
122 13.4 9.0 13.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.415 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BF126390.D  
 Acq: 28 Dec 2021 19:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SASP2-123-1-40-57



Tgt Ion:264 Resp: 188028  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.6 29.4  
 265 21.4 17.2 25.8

