

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122022\  
 Data File : BF131721.D  
 Acq On : 20 Dec 2022 19:35  
 Operator : CG\JU  
 Sample : N6071-12  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FVSUB-TP8-COMP-08

Quant Time: Dec 21 04:47:10 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 03:12:37 2022  
 Response via : Initial Calibration

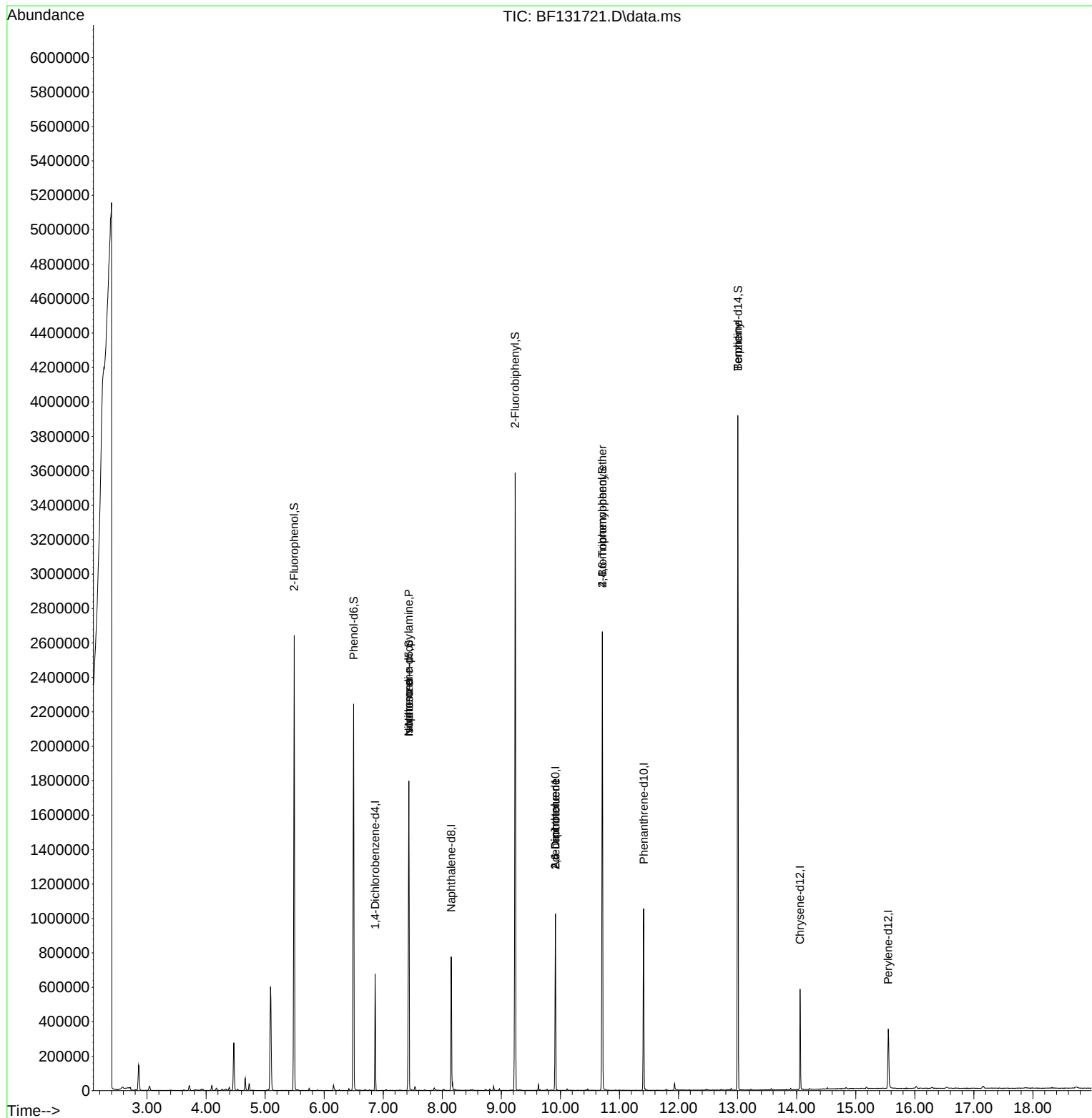
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 84267    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 308153   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 184367   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 364379   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 180590   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.551 | 264  | 162426   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 646450   | 129.178   | ng     | 0.02     |
| 7) Phenol-d6                  | 6.498  | 99   | 758707   | 112.640   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 646789   | 85.208    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 293941   | 145.662   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.234  | 172  | 1116201  | 84.809    | ng     | 0.00     |
| 79) Terphenyl-d14             | 13.004 | 244  | 1349952  | 116.503   | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.416  | 77   | 2105     | Below Cal | #      | 85       |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 90247    | 18.578    | ng     | # 80     |
| 25) Isophorone                | 7.434  | 82   | 645288   | 50.057    | ng     | # 70     |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 23919    | 8.019     | ng     | # 19     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 23919    | 5.967     | ng     | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 20581    | 4.782     | ng     | # 1      |
| 77) Benizidine                | 13.004 | 184  | 20478    | 6.184     | ng     | # 90     |
| -----                         |        |      |          |           |        |          |

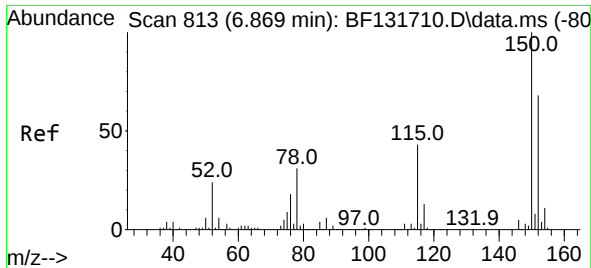
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122022\  
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Instrument :  
BNA\_F  
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FVSub-TP8-COMP-08

Quant Time: Dec 21 04:47:10 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122022.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 21 03:12:37 2022  
Response via : Initial Calibration

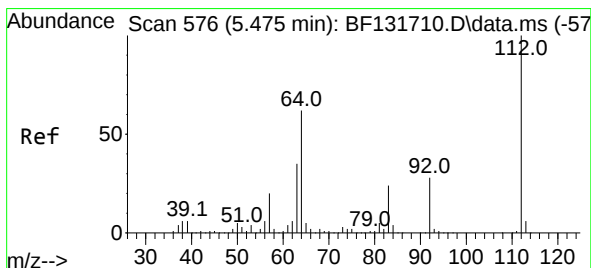
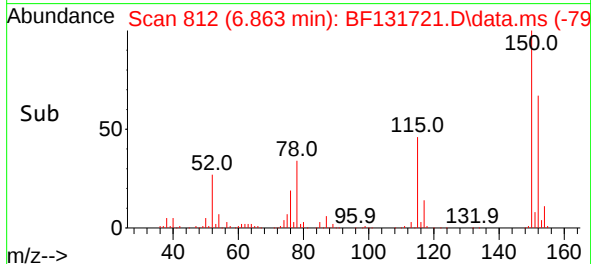
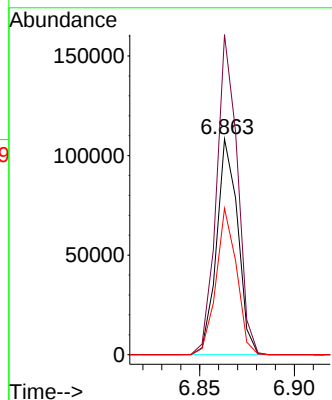
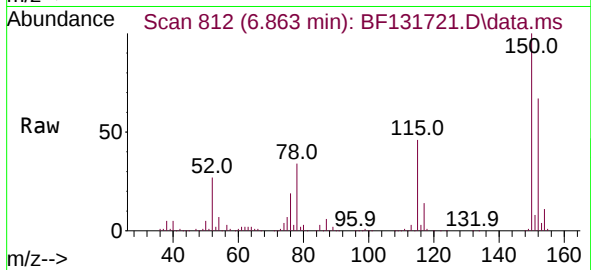




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: BF131721.D  
Acq: 20 Dec 2022 19:35

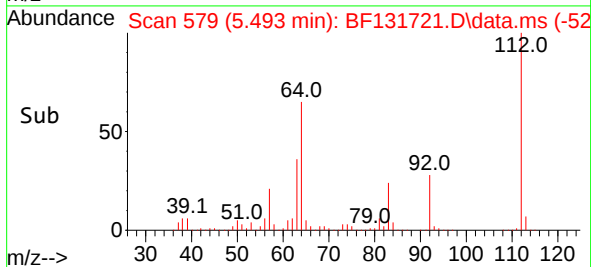
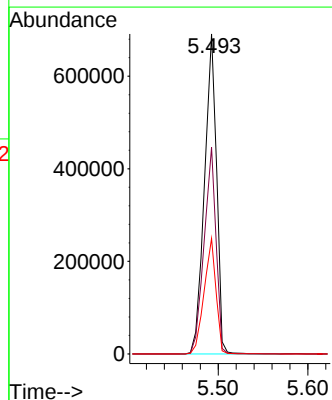
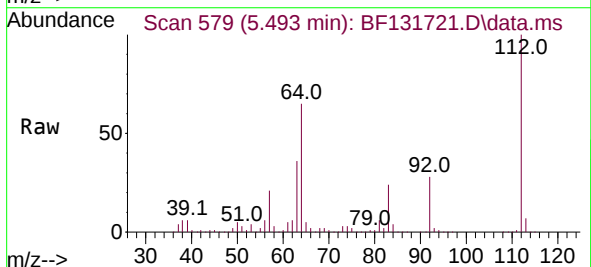
Instrument :  
BNA\_F  
ClientSampleId :  
FVSUB-TP8-COMP-08

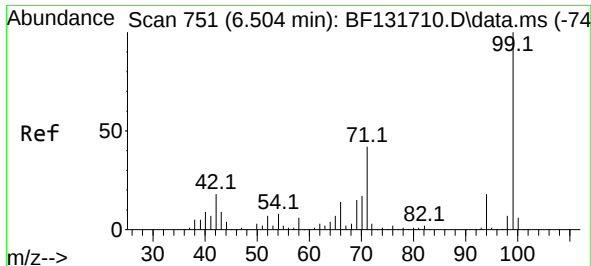
Tgt Ion:152 Resp: 84267  
Ion Ratio Lower Upper  
152 100  
150 148.4 117.4 176.0  
115 67.9 50.2 75.4



#5  
2-Fluorophenol  
Concen: 129.178 ng  
RT: 5.493 min Scan# 579  
Delta R.T. 0.018 min  
Lab File: BF131721.D  
Acq: 20 Dec 2022 19:35

Tgt Ion:112 Resp: 646450  
Ion Ratio Lower Upper  
112 100  
64 64.6 49.5 74.3  
63 36.1 28.2 42.2

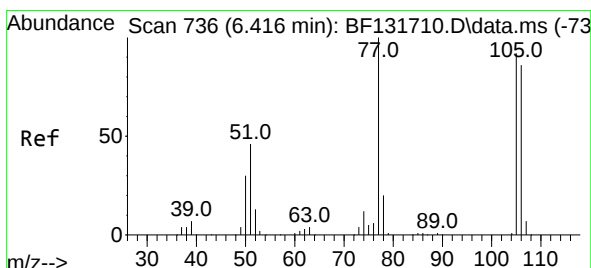
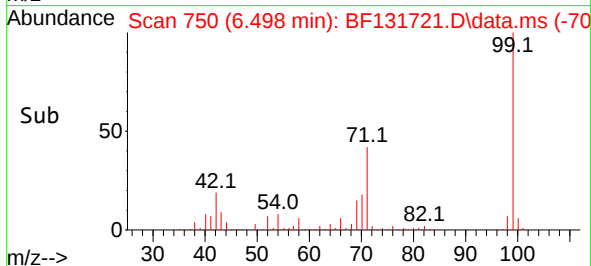
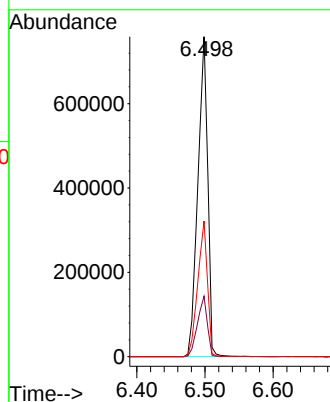
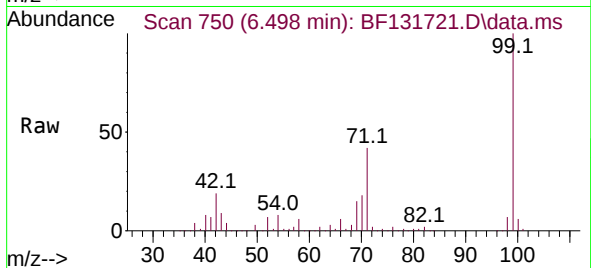




#7  
Phenol-d6  
Concen: 112.640 ng  
RT: 6.498 min Scan# 751  
Delta R.T. -0.006 min  
Lab File: BF131721.D  
Acq: 20 Dec 2022 19:35

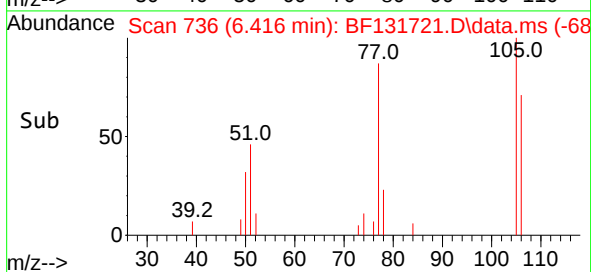
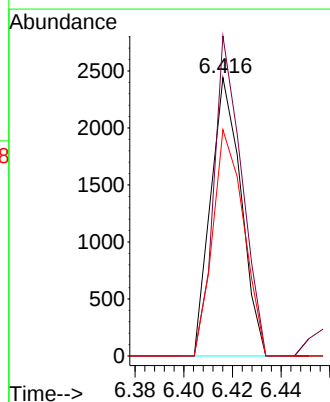
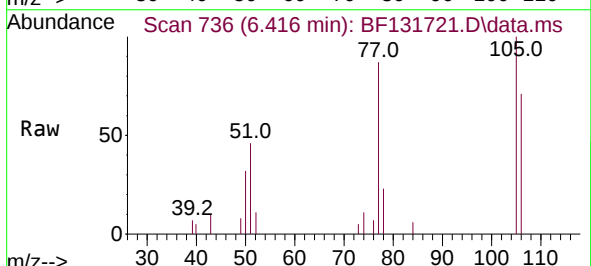
Instrument :  
BNA\_F  
ClientSampleId :  
FVSUB-TP8-COMP-08

Tgt Ion: 99 Resp: 758707  
Ion Ratio Lower Upper  
99 100  
42 18.9 14.8 22.2  
71 42.4 33.8 50.6



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.416 min Scan# 736  
Delta R.T. 0.000 min  
Lab File: BF131721.D  
Acq: 20 Dec 2022 19:35

Tgt Ion: 77 Resp: 2105  
Ion Ratio Lower Upper  
77 100  
105 114.9 72.4 112.4#  
106 81.3 66.5 106.5

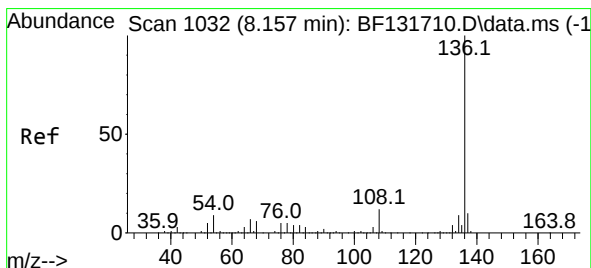
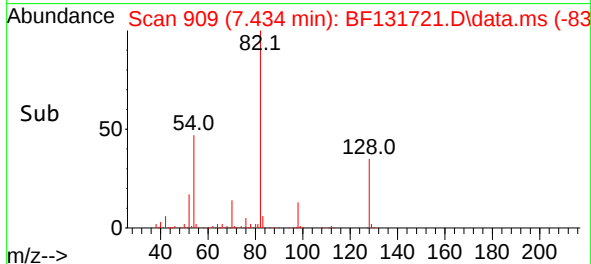
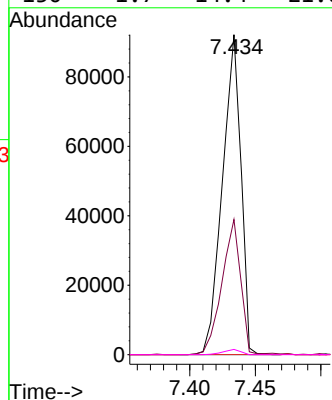
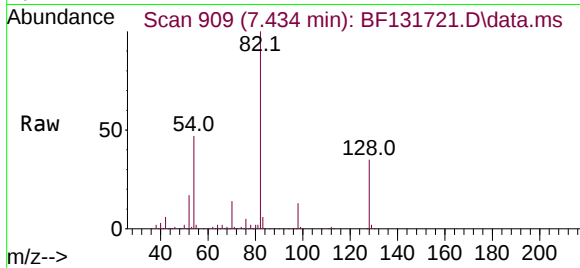




#19  
n-Nitroso-di-n-propylamine  
Concen: 18.578 ng  
RT: 7.434 min Scan# 90  
Delta R.T. 0.141 min  
Lab File: BF131721.D  
Acq: 20 Dec 2022 19:35

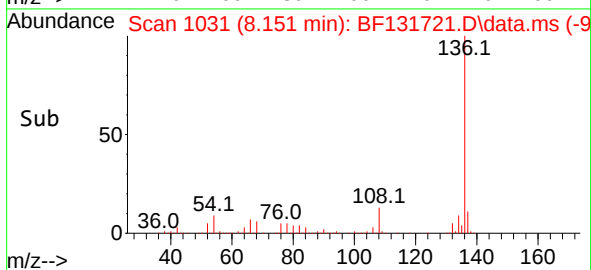
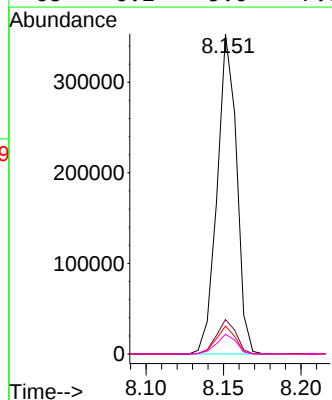
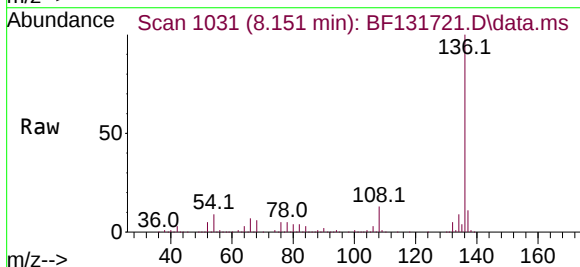
Instrument :  
BNA\_F  
ClientSampleId :  
FVSUB-TP8-COMP-08

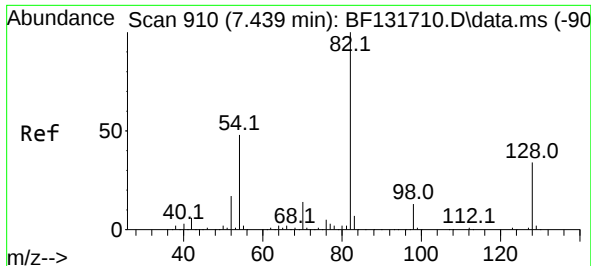
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 90247 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 42.2  | 41.5  | 62.3  |
| 101      | 0.0   | 7.3   | 10.9# |
| 130      | 1.7   | 14.4  | 21.6# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF131721.D  
Acq: 20 Dec 2022 19:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 308153 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.4   | 12.6   |
| 54       | 8.7   | 7.2   | 10.8   |
| 68       | 6.2   | 5.0   | 7.6    |





#23

Nitrobenzene-d5

Concen: 85.208 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF131721.D

Acq: 20 Dec 2022 19:35

Instrument :

BNA\_F

ClientSampleId :

FVSUB-TP8-COMP-08

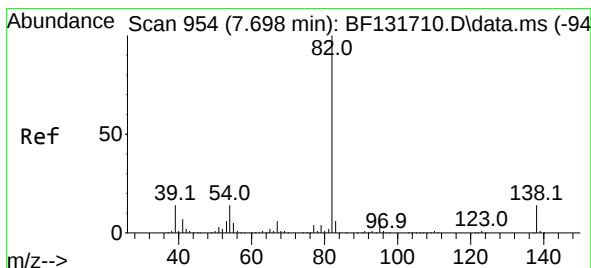
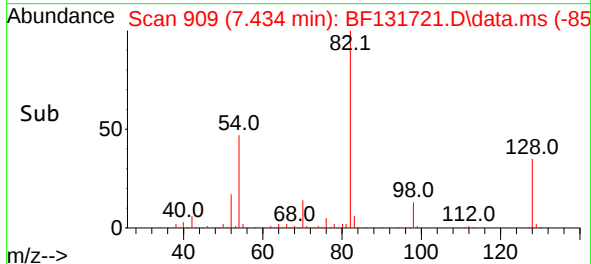
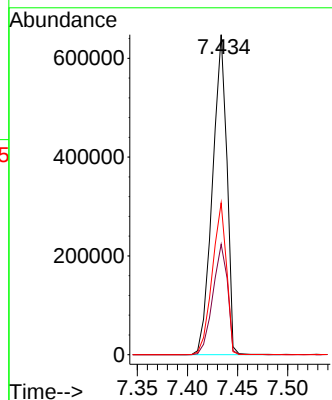
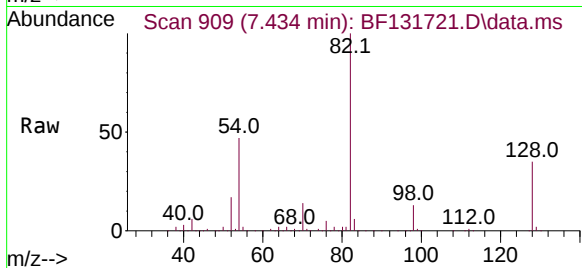
Tgt Ion: 82 Resp: 646789

Ion Ratio Lower Upper

82 100

128 34.5 27.3 40.9

54 47.4 38.2 57.2



#25

Isophorone

Concen: 50.057 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.265 min

Lab File: BF131721.D

Acq: 20 Dec 2022 19:35

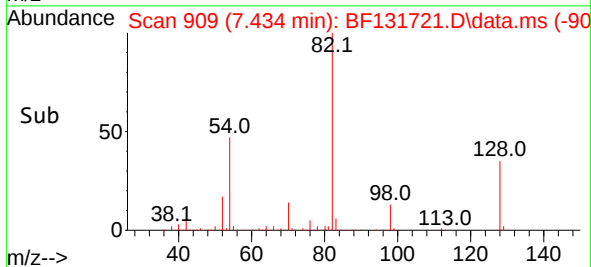
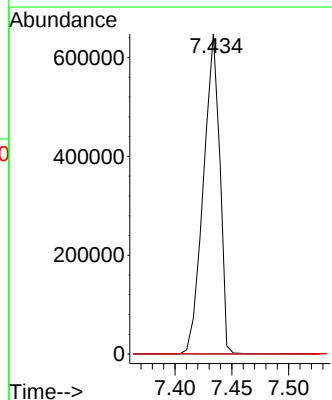
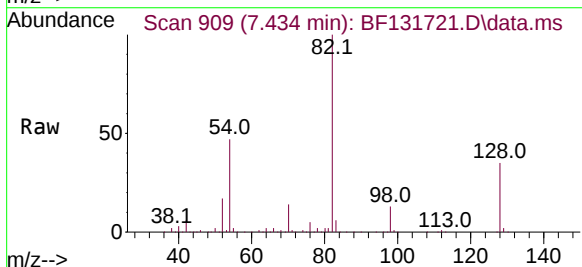
Tgt Ion: 82 Resp: 645288

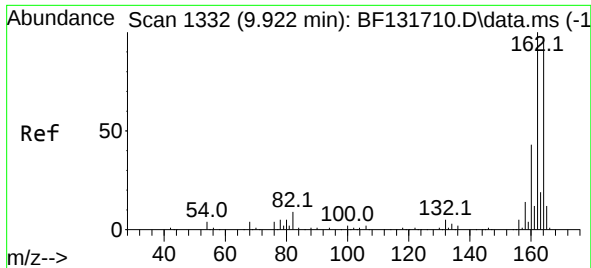
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 11.6 17.4#

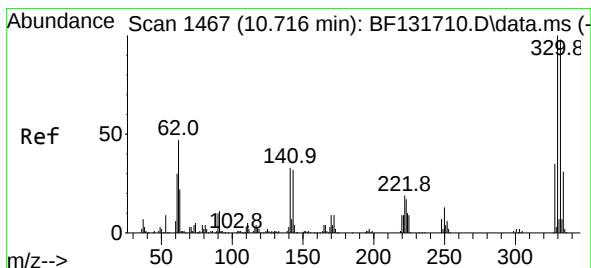
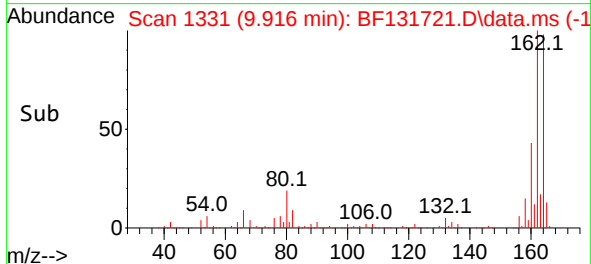
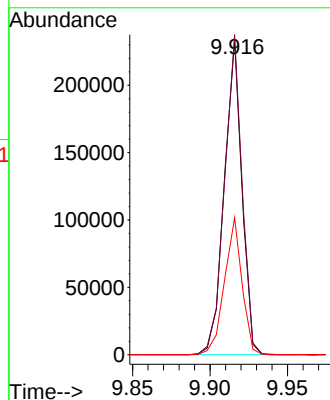
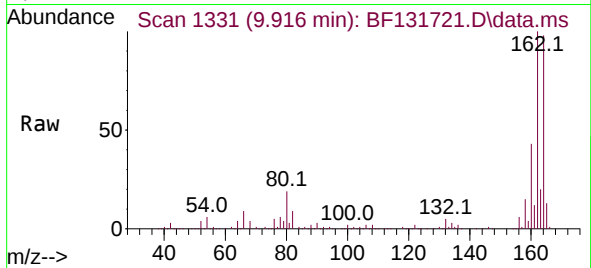




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. -0.006 min  
Lab File: BF131721.D  
Acq: 20 Dec 2022 19:35

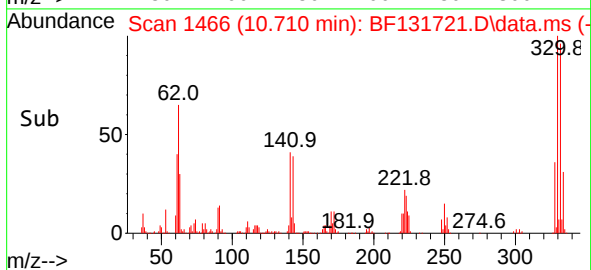
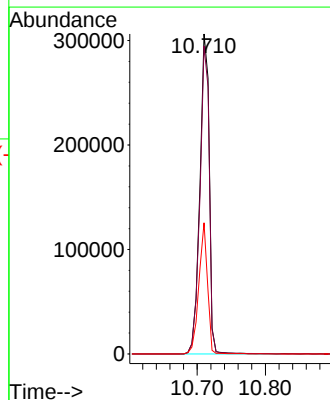
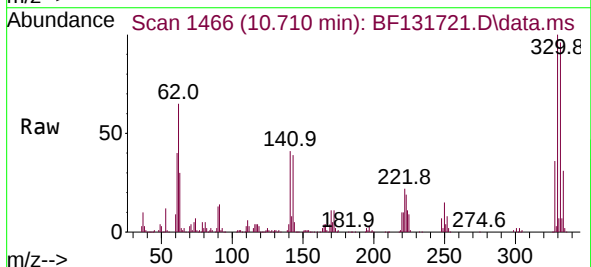
Instrument :  
BNA\_F  
ClientSampleId :  
FVSUB-TP8-COMP-08

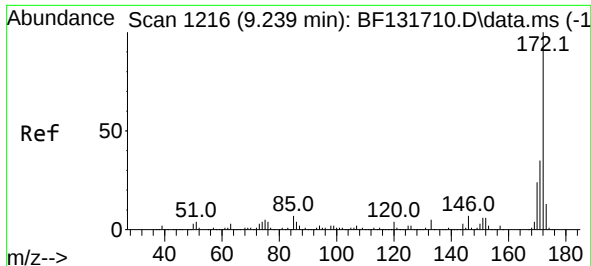
Tgt Ion:164 Resp: 184367  
Ion Ratio Lower Upper  
164 100  
162 101.8 83.7 125.5  
160 43.5 36.2 54.4



#42  
2,4,6-Tribromophenol  
Concen: 145.662 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.006 min  
Lab File: BF131721.D  
Acq: 20 Dec 2022 19:35

Tgt Ion:330 Resp: 293941  
Ion Ratio Lower Upper  
330 100  
332 96.0 77.1 115.7  
141 37.7 30.4 45.6





#45

2-Fluorobiphenyl

Concen: 84.809 ng

RT: 9.234 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF131721.D

Acq: 20 Dec 2022 19:35

Instrument :

BNA\_F

ClientSampleId :

FVSUB-TP8-COMP-08

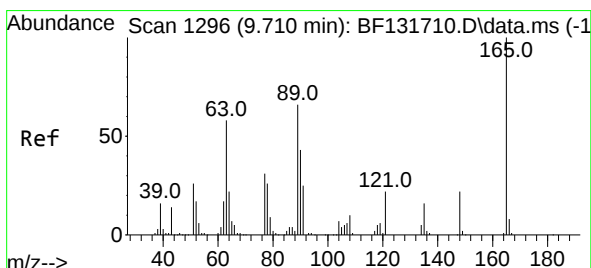
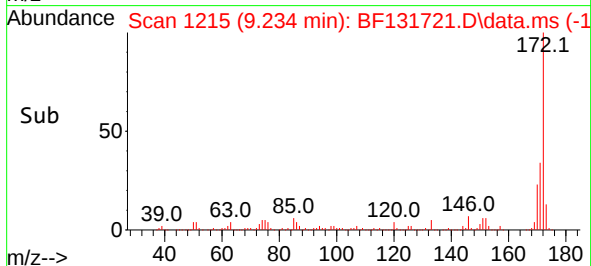
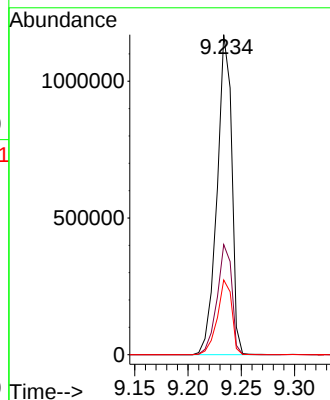
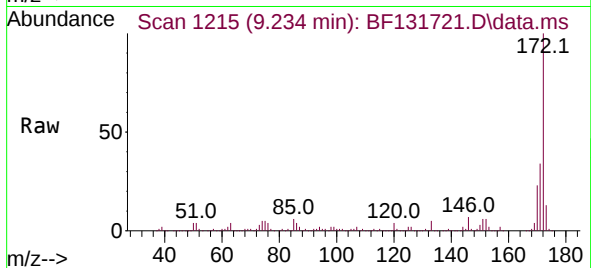
Tgt Ion:172 Resp: 1116201

Ion Ratio Lower Upper

172 100

171 34.4 27.9 41.9

170 23.3 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 8.019 ng

RT: 9.916 min Scan# 1331

Delta R.T. 0.206 min

Lab File: BF131721.D

Acq: 20 Dec 2022 19:35

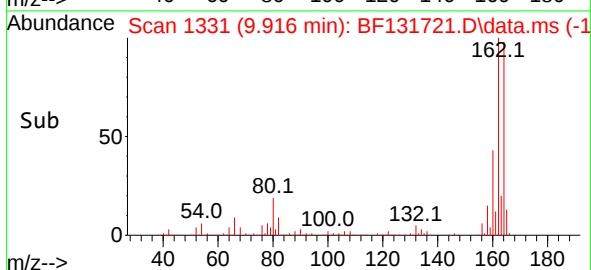
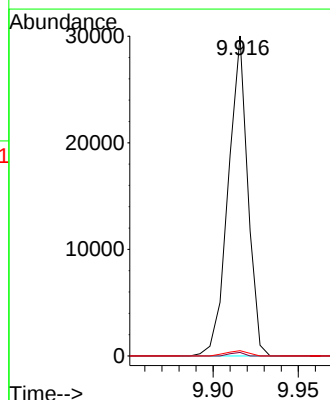
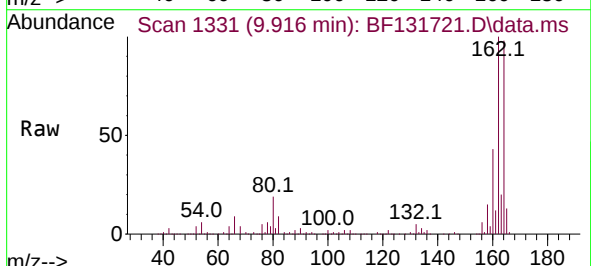
Tgt Ion:165 Resp: 23919

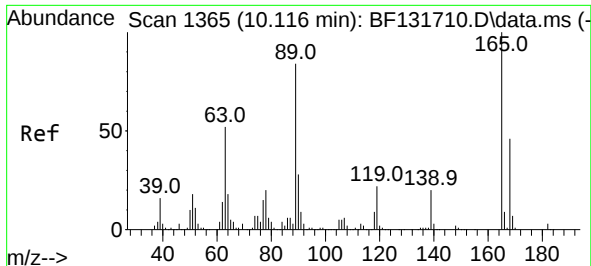
Ion Ratio Lower Upper

165 100

63 1.1 51.8 77.8#

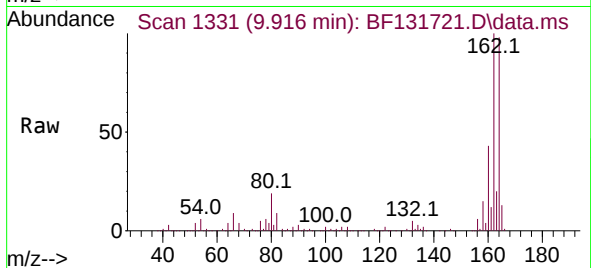
89 1.7 53.2 79.8#



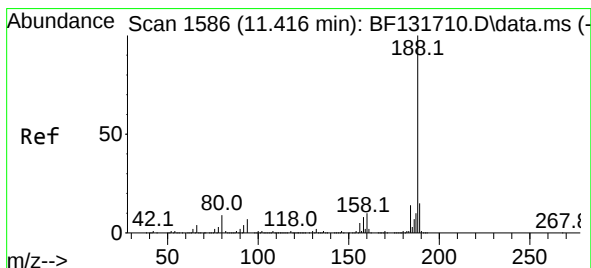
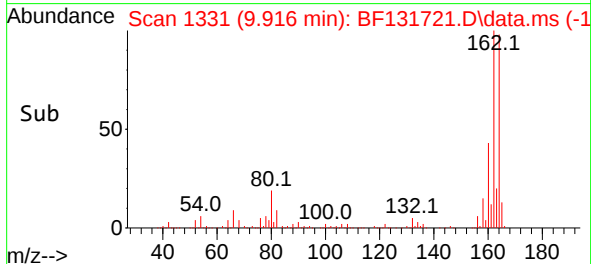
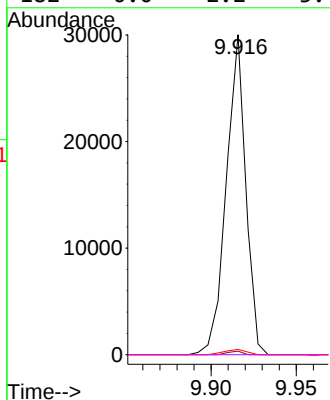


#57  
2,4-Dinitrotoluene  
Concen: 5.967 ng  
RT: 9.916 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF131721.D  
Acq: 20 Dec 2022 19:35

Instrument :  
BNA\_F  
ClientSampleId :  
FVSUB-TP8-COMP-08

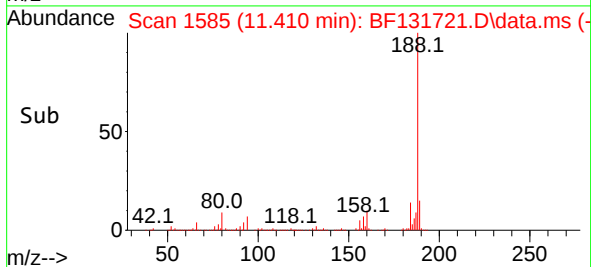
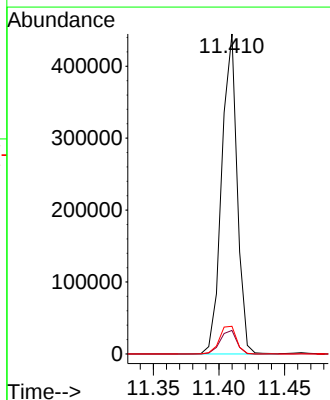
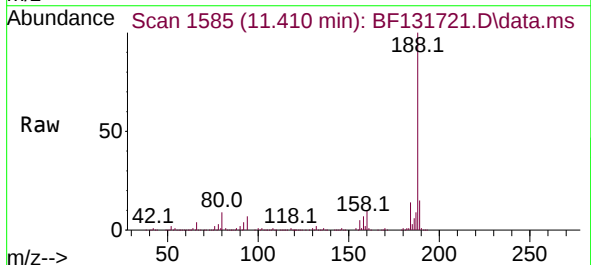


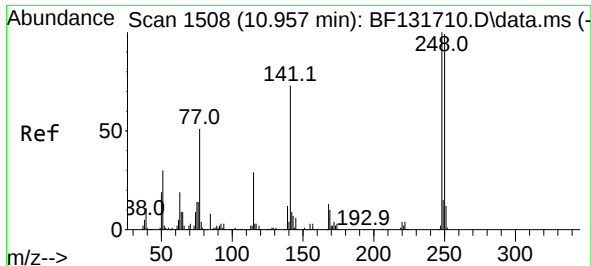
|             |       |       |        |
|-------------|-------|-------|--------|
| Tgt Ion:165 | Resp: | 23919 |        |
| Ion         | Ratio | Lower | Upper  |
| 165         | 100   |       |        |
| 63          | 1.1   | 41.5  | 62.3#  |
| 89          | 1.7   | 67.0  | 100.4# |
| 182         | 0.0   | 2.2   | 3.4#   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1585  
Delta R.T. -0.006 min  
Lab File: BF131721.D  
Acq: 20 Dec 2022 19:35

|             |       |        |  |
|-------------|-------|--------|--|
| Tgt Ion:188 | Resp: | 364379 |  |
| Ion Ratio   | Lower | Upper  |  |
| 188 100     |       |        |  |
| 94 7.4      | 5.9   | 8.9    |  |
| 80 8.6      | 7.0   | 10.6   |  |

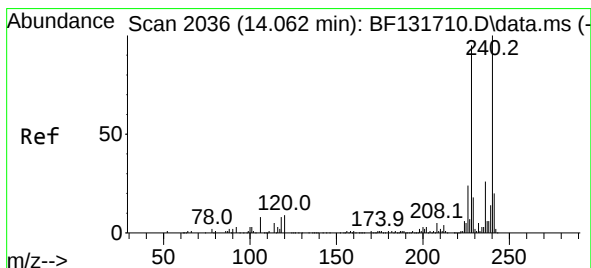
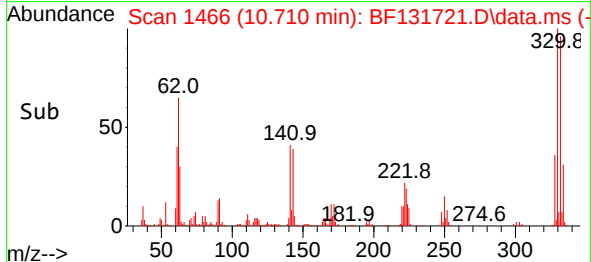
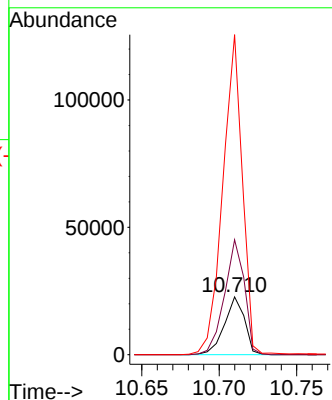
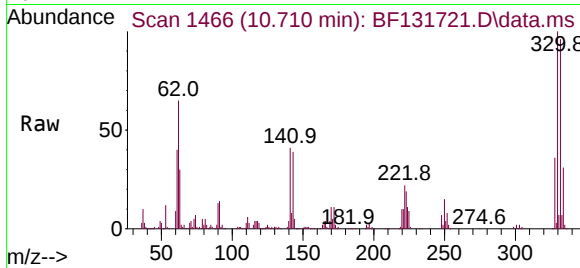




#67  
4-Bromophenyl-phenylether  
Concen: 4.782 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.247 min  
Lab File: BF131721.D  
Acq: 20 Dec 2022 19:35

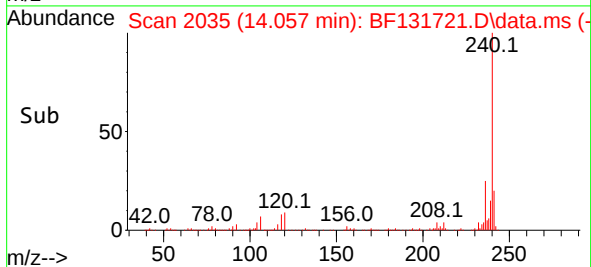
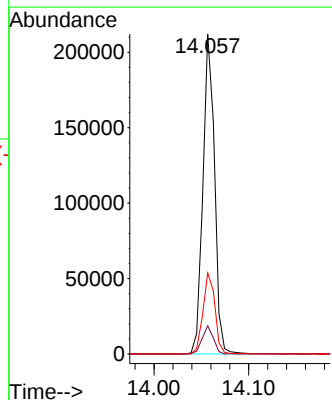
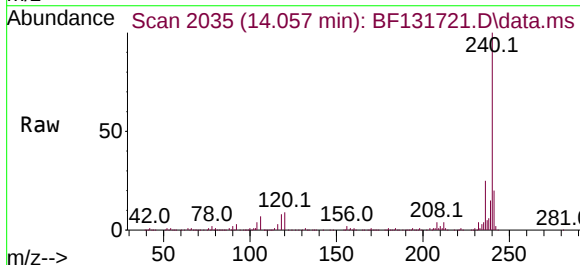
Instrument :  
BNA\_F  
ClientSampleId :  
FVSUB-TP8-COMP-08

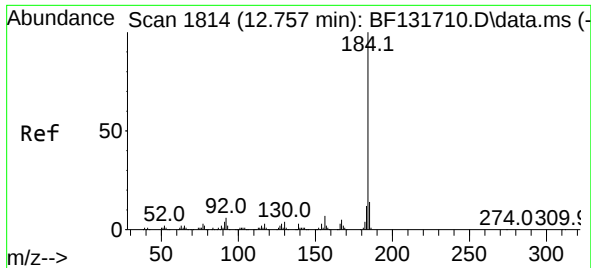
Tgt Ion:248 Resp: 20581  
Ion Ratio Lower Upper  
248 100  
250 198.8 79.4 119.0#  
141 553.6 58.1 87.1#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2035  
Delta R.T. -0.006 min  
Lab File: BF131721.D  
Acq: 20 Dec 2022 19:35

Tgt Ion:240 Resp: 180590  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.6 11.4  
236 25.3 21.2 31.8

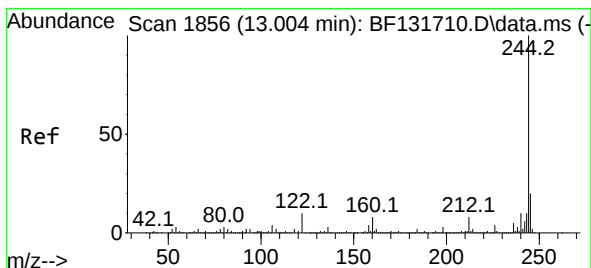
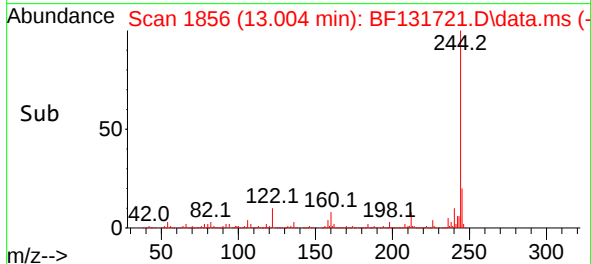
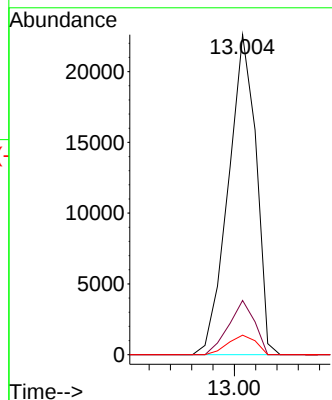
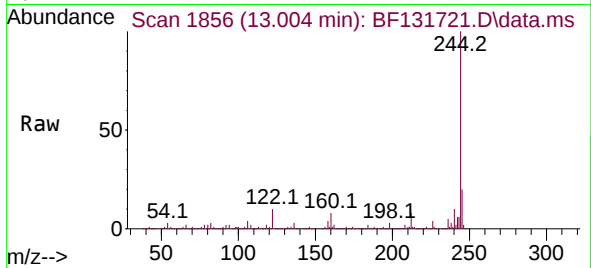




#77  
Benzidine  
Concen: 6.184 ng  
RT: 13.004 min Scan# 1856  
Delta R.T. 0.247 min  
Lab File: BF131721.D  
Acq: 20 Dec 2022 19:35

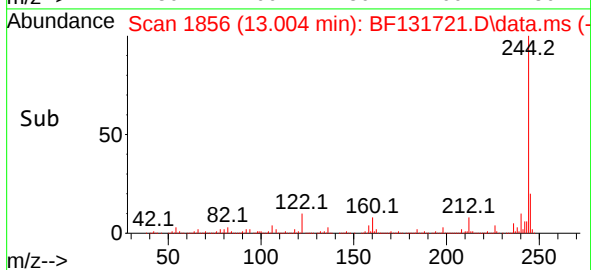
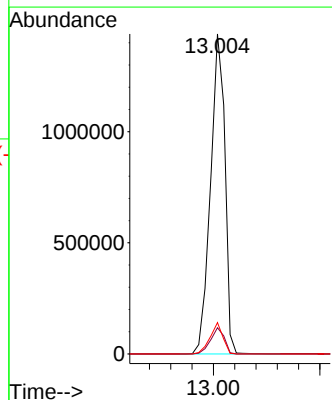
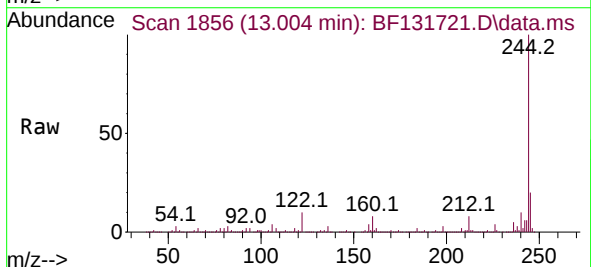
Instrument : BNA\_F  
ClientSampleId : FVSUB-TP8-COMP-08

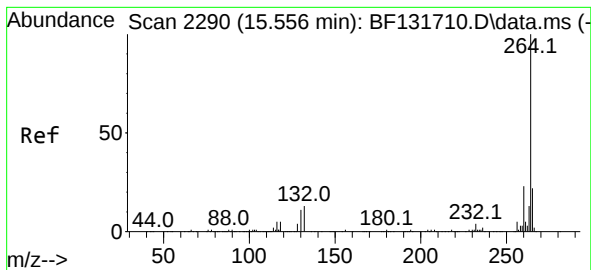
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:184 | Resp: | 20478      |
| Ion Ratio   | Lower | Upper      |
| 184         | 100   |            |
| 185         | 16.9  | 11.3 16.9# |
| 183         | 6.1   | 9.3 13.9#  |



#79  
Terphenyl-d14  
Concen: 116.503 ng  
RT: 13.004 min Scan# 1856  
Delta R.T. 0.000 min  
Lab File: BF131721.D  
Acq: 20 Dec 2022 19:35

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:244 | Resp: | 1349952  |
| Ion Ratio   | Lower | Upper    |
| 244         | 100   |          |
| 212         | 8.2   | 6.5 9.7  |
| 122         | 9.8   | 7.7 11.5 |





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131721.D

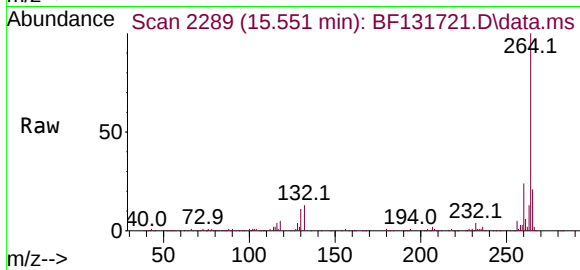
Acq: 20 Dec 2022 19:35

Instrument :

BNA\_F

ClientSampleId :

FVSUB-TP8-COMP-08



Tgt Ion:264 Resp: 162426

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.0 17.4 26.2

