

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120222\  
 Data File : BF131497.D  
 Acq On : 02 Dec 2022 15:53  
 Operator : CG\JU  
 Sample : N5848-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

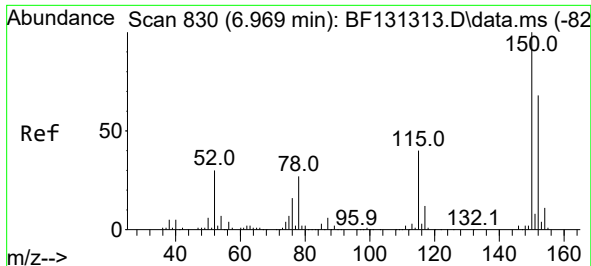
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-2

Quant Time: Dec 05 00:02:58 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 05 00:00:18 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.928  | 152  | 62003    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.216  | 136  | 232144   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.981  | 164  | 188545   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.475 | 188  | 335615   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.127 | 240  | 223391   | 20.000    | ng    | #-0.01   |
| 86) Perylene-d12              | 15.657 | 264  | 186148   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.546  | 112  | 384286   | 117.959   | ng    | 0.01     |
| 7) Phenol-d6                  | 6.546  | 99   | 485480   | 116.798   | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.493  | 82   | 326395   | 70.875    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.775 | 330  | 209077   | 131.806   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.298  | 172  | 852856   | 65.807    | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.075 | 244  | 917002   | 67.126    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.551  | 77   | 822      | Below Cal | #     | 4        |
| 19) n-Nitroso-di-n-propyla... | 7.493  | 70   | 46246    | 15.198    | ng    | # 75     |
| 25) Isophorone                | 7.493  | 82   | 326215   | 39.704    | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 9.981  | 165  | 23788    | 9.055     | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 9.981  | 165  | 23788    | 7.196     | ng    | # 19     |
| 65) 4,6-Dinitro-2-methylph... | 10.775 | 198  | 479      | 4.946     | ng    | # 27     |
| 67) 4-Bromophenyl-phenylether | 10.775 | 248  | 13570    | 3.299     | ng    | # 1      |
| 77) Benzidine                 | 13.069 | 184  | 11662    | 2.826     | ng    | # 95     |
| 80) Butylbenzylphthalate      | 13.539 | 149  | 1050     | 4.288     | ng    | # 74     |
| 84) Bis(2-ethylhexyl)phtha... | 14.104 | 149  | 2185     | 3.978     | ng    | # 87     |
| 85) Di-n-octyl phthalate      | 14.727 | 149  | 2299     | 4.112     | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

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

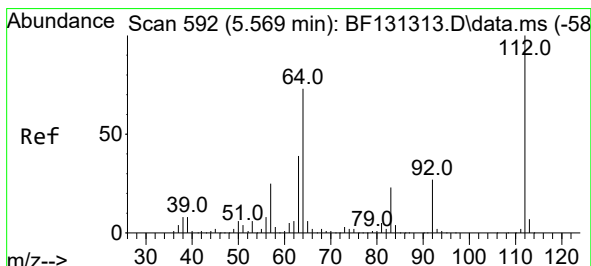
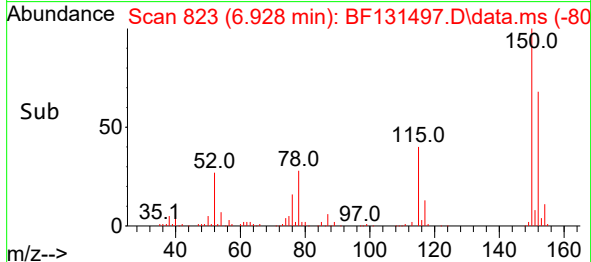
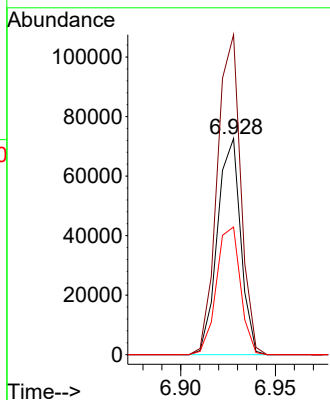
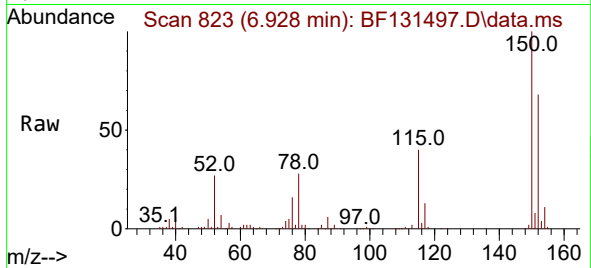




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.928 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

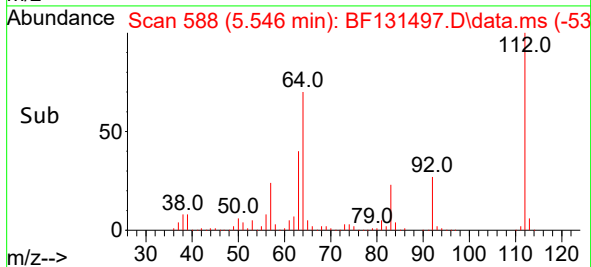
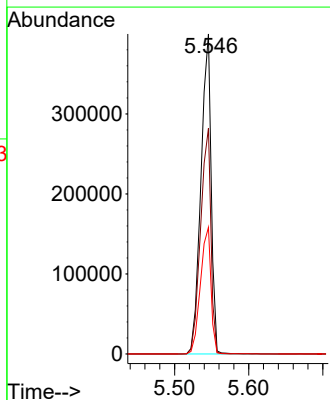
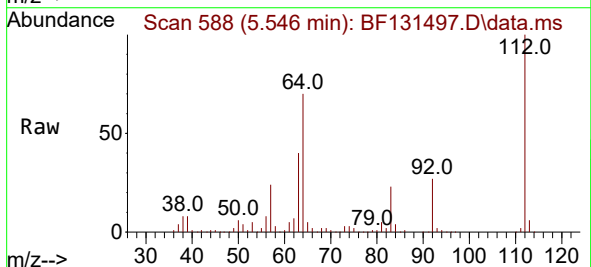
Instrument :  
BNA\_F  
ClientSampleId :  
PE-2

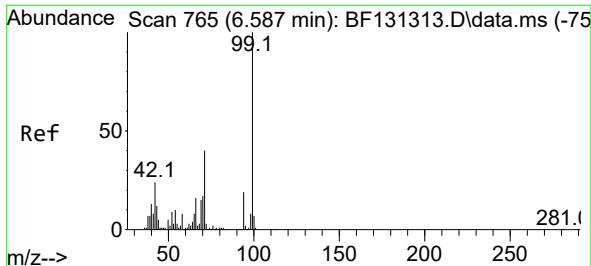
Tgt Ion:152 Resp: 62003  
Ion Ratio Lower Upper  
152 100  
150 148.0 117.8 176.8  
115 59.1 47.1 70.7



#5  
2-Fluorophenol  
Concen: 117.959 ng  
RT: 5.546 min Scan# 588  
Delta R.T. 0.012 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

Tgt Ion:112 Resp: 384286  
Ion Ratio Lower Upper  
112 100  
64 70.5 58.6 88.0  
63 39.5 31.4 47.0

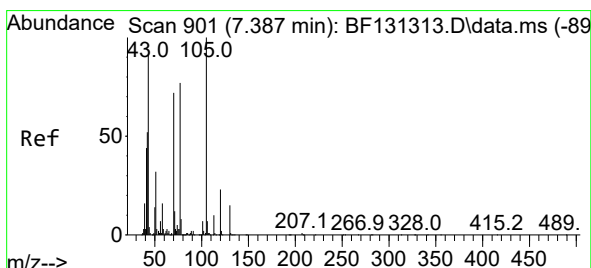
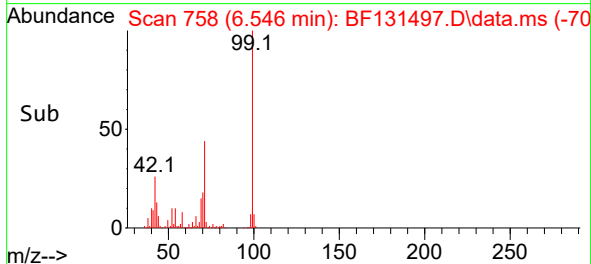
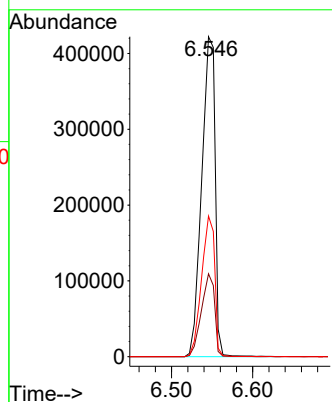
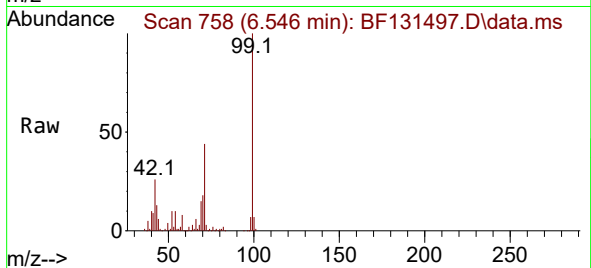




#7  
Phenol-d6  
Concen: 116.798 ng  
RT: 6.546 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

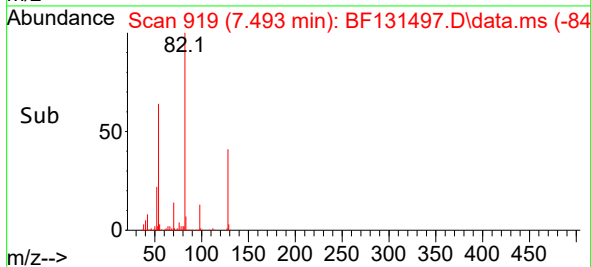
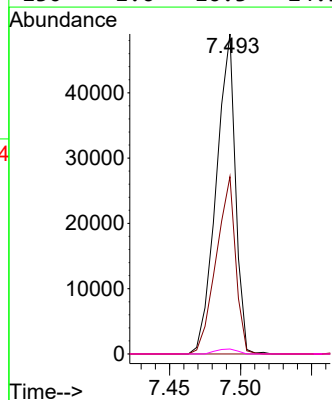
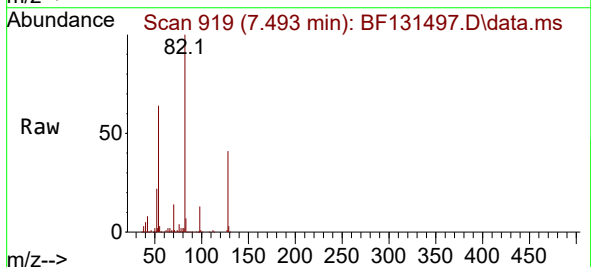
Instrument :  
BNA\_F  
ClientSampleId :  
PE-2

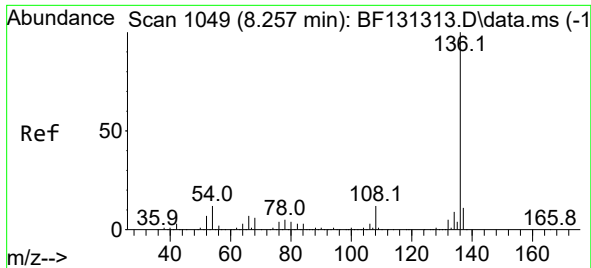
Tgt Ion: 99 Resp: 485480  
Ion Ratio Lower Upper  
99 100  
42 25.9 19.4 29.2  
71 44.0 32.3 48.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.198 ng  
RT: 7.493 min Scan# 919  
Delta R.T. 0.147 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

Tgt Ion: 70 Resp: 46246  
Ion Ratio Lower Upper  
70 100  
42 55.4 57.6 86.4#  
101 0.0 8.2 12.2#  
130 1.6 16.3 24.5#



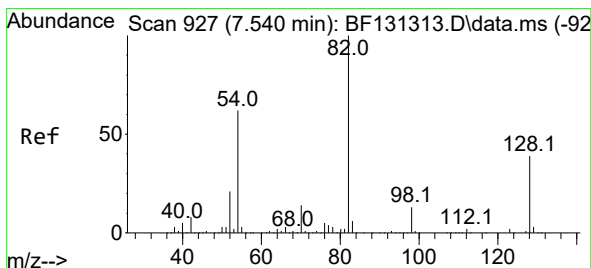
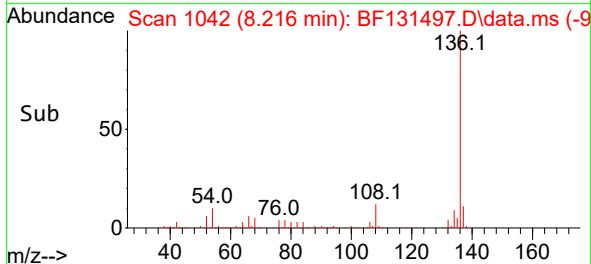
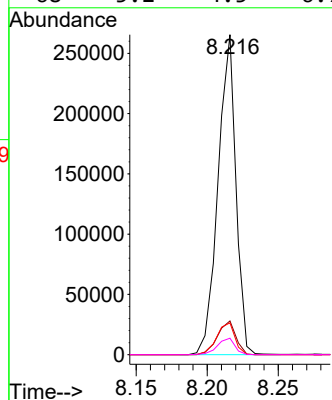
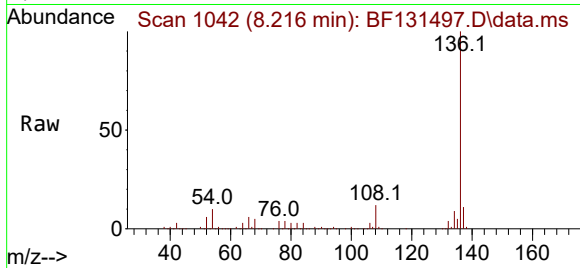


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.216 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

Instrument :  
BNA\_F  
ClientSampleId :  
PE-2

Tgt Ion:136 Resp: 232144

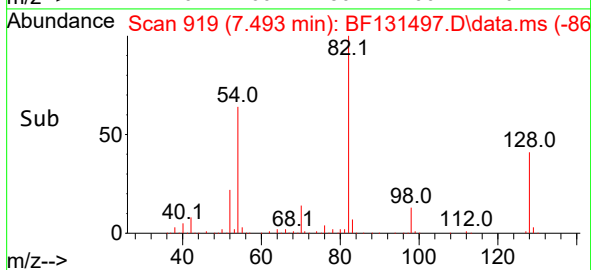
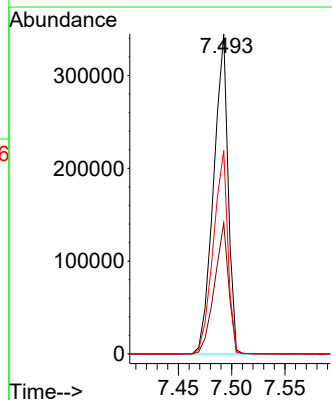
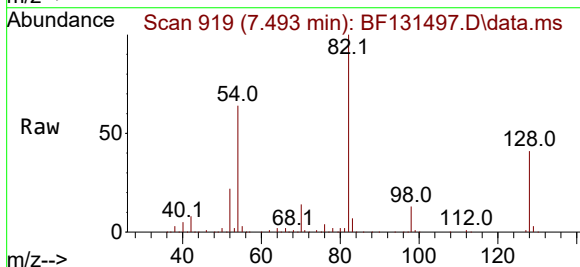
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 9.0   | 13.6  |
| 54  | 10.0  | 9.4   | 14.0  |
| 68  | 5.2   | 4.5   | 6.7   |

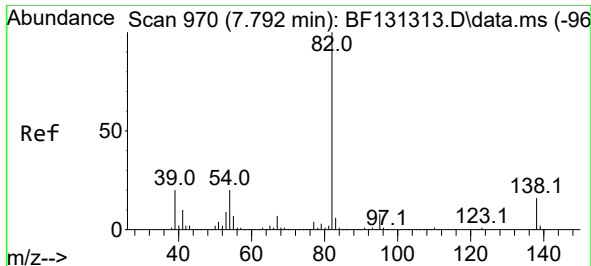


#23  
Nitrobenzene-d5  
Concen: 70.875 ng  
RT: 7.493 min Scan# 919  
Delta R.T. -0.006 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

Tgt Ion: 82 Resp: 326395

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 40.9  | 31.4  | 47.0  |
| 54  | 63.5  | 49.8  | 74.6  |

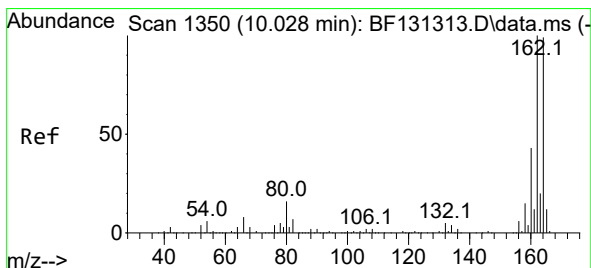
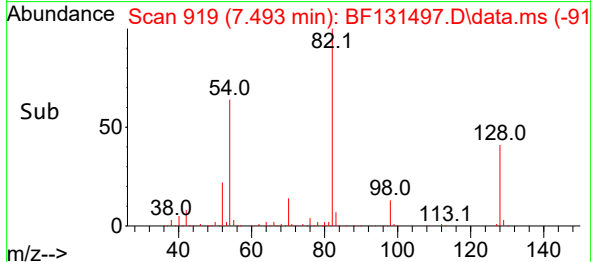
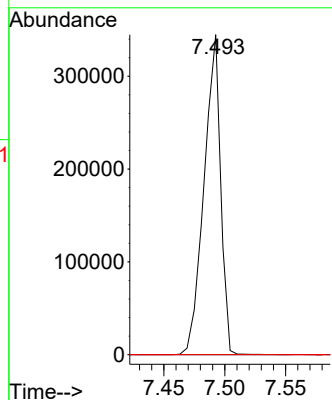
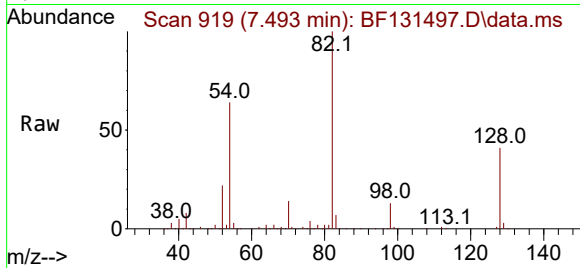




#25  
Isophorone  
Concen: 39.704 ng  
RT: 7.493 min Scan# 91  
Delta R.T. -0.265 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

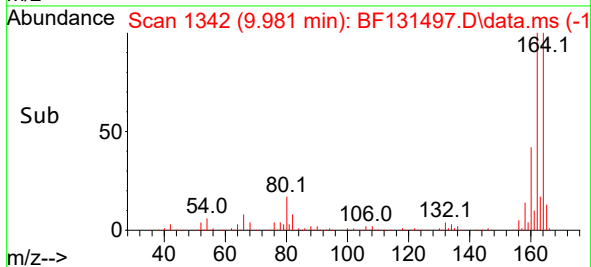
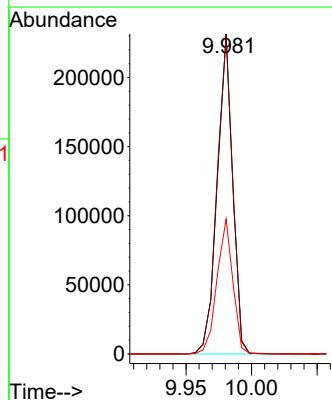
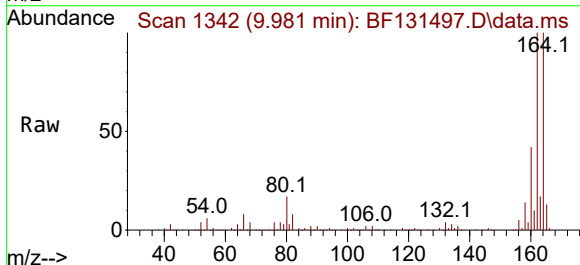
Instrument :  
BNA\_F  
ClientSampleId :  
PE-2

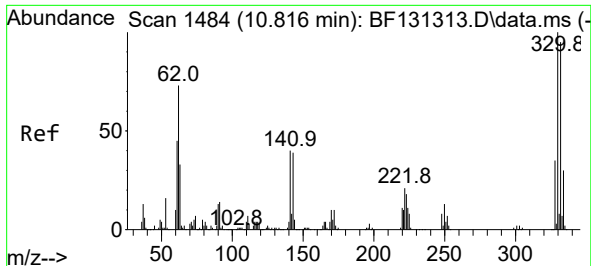
Tgt Ion: 82 Resp: 326215  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.2#  
138 0.0 12.7 19.1#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.981 min Scan# 1342  
Delta R.T. -0.006 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

Tgt Ion: 164 Resp: 188545  
Ion Ratio Lower Upper  
164 100  
162 99.6 80.6 120.8  
160 42.1 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 131.806 ng

RT: 10.775 min Scan# 1484

Delta R.T. -0.006 min

Lab File: BF131497.D

Acq: 02 Dec 2022 15:53

Instrument :

BNA\_F

ClientSampleId :

PE-2

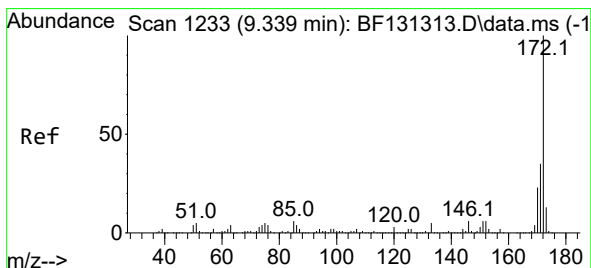
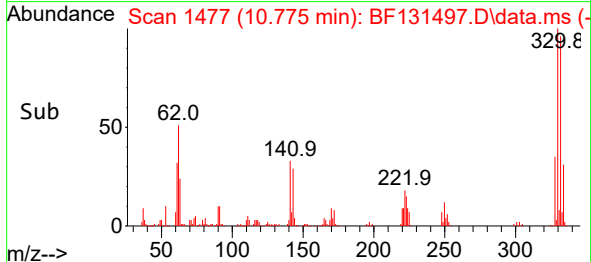
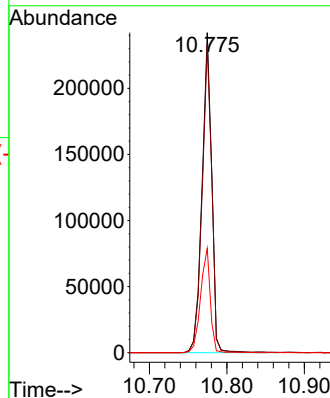
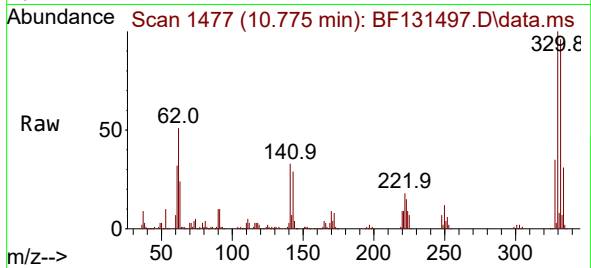
Tgt Ion:330 Resp: 209077

Ion Ratio Lower Upper

330 100

332 96.0 77.5 116.3

141 32.7 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 65.807 ng

RT: 9.298 min Scan# 1226

Delta R.T. -0.006 min

Lab File: BF131497.D

Acq: 02 Dec 2022 15:53

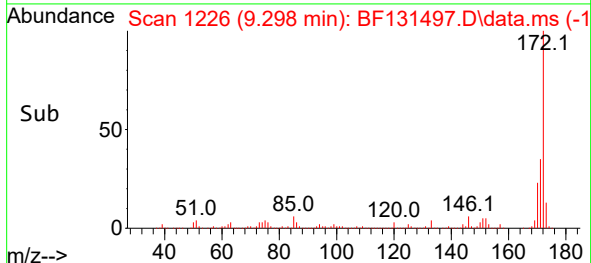
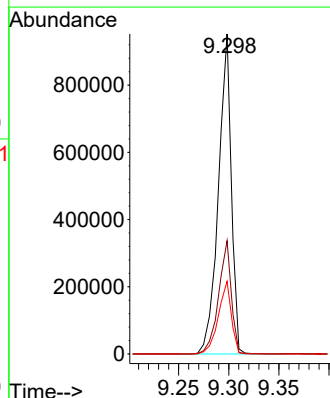
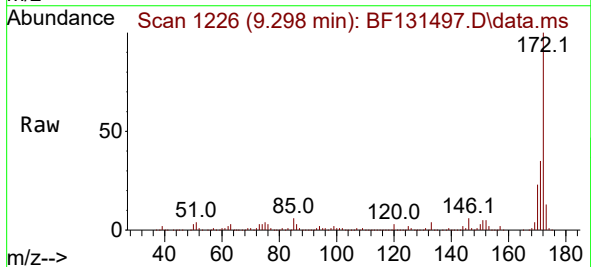
Tgt Ion:172 Resp: 852856

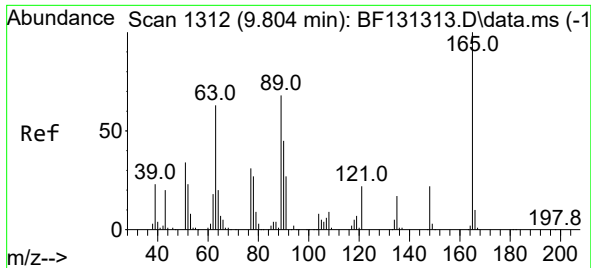
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 22.7 18.7 28.1

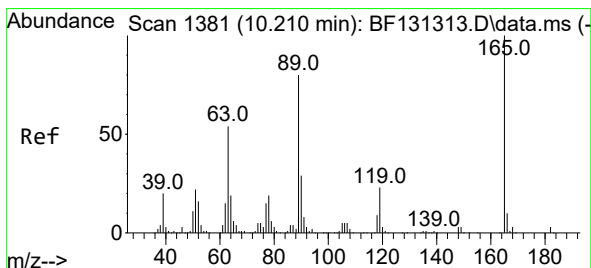
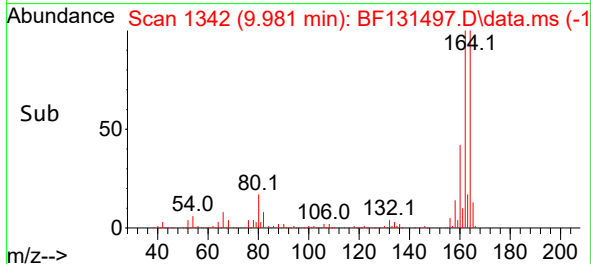
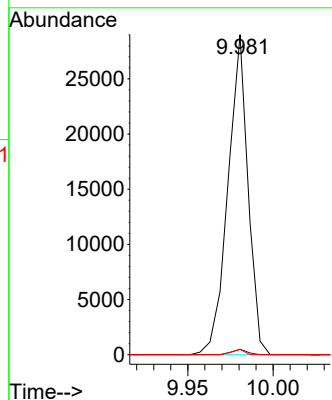
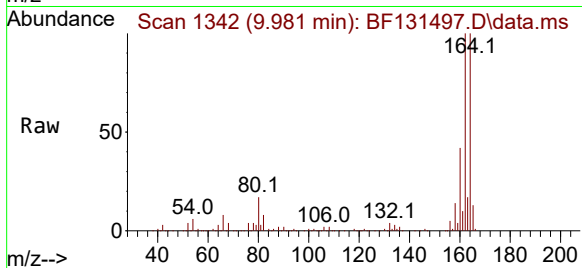




#51  
2,6-Dinitrotoluene  
Concen: 9.055 ng  
RT: 9.981 min Scan# 1342  
Delta R.T. 0.212 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

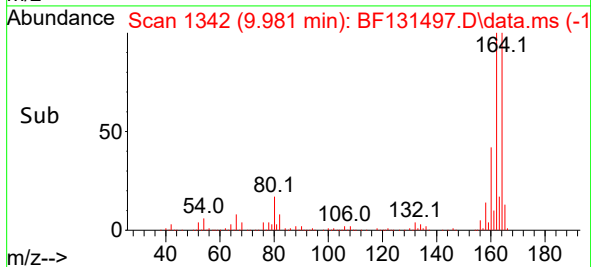
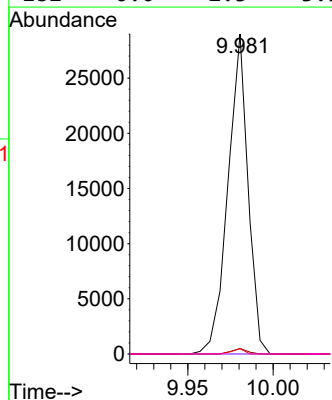
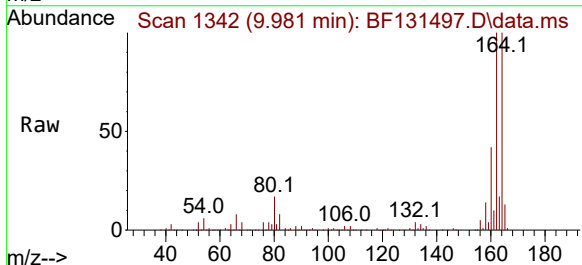
Instrument :  
BNA\_F  
ClientSampleId :  
PE-2

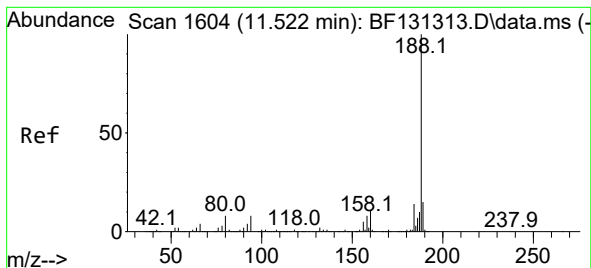
Tgt Ion:165 Resp: 23788  
Ion Ratio Lower Upper  
165 100  
63 1.7 62.0 93.0#  
89 1.7 54.4 81.6#



#57  
2,4-Dinitrotoluene  
Concen: 7.196 ng  
RT: 9.981 min Scan# 1342  
Delta R.T. -0.194 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

Tgt Ion:165 Resp: 23788  
Ion Ratio Lower Upper  
165 100  
63 1.7 43.4 65.2#  
89 1.7 64.0 96.0#  
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.475 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131497.D

Acq: 02 Dec 2022 15:53

Instrument :

BNA\_F

ClientSampleId :

PE-2

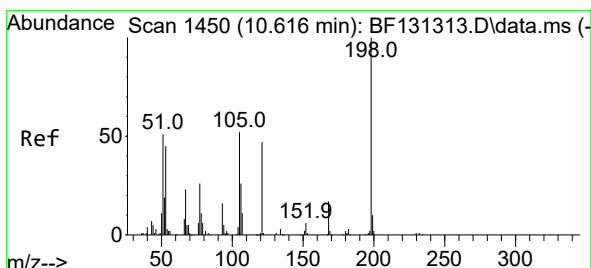
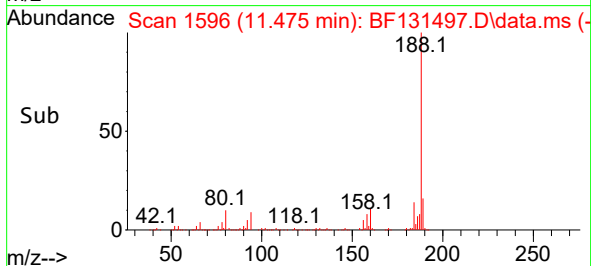
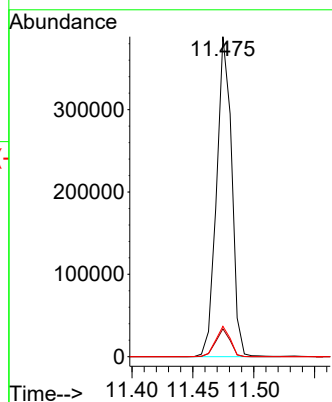
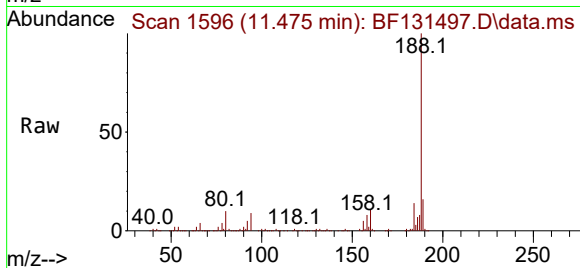
Tgt Ion:188 Resp: 335615

Ion Ratio Lower Upper

188 100

94 8.7 6.3 9.5

80 9.5 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 4.946 ng

RT: 10.775 min Scan# 1477

Delta R.T. 0.194 min

Lab File: BF131497.D

Acq: 02 Dec 2022 15:53

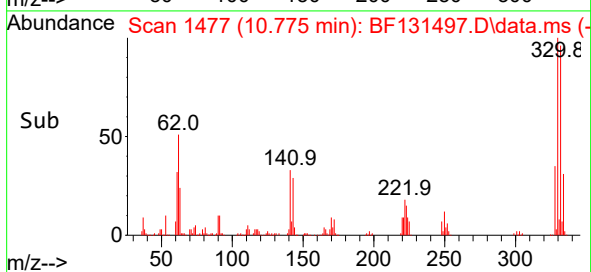
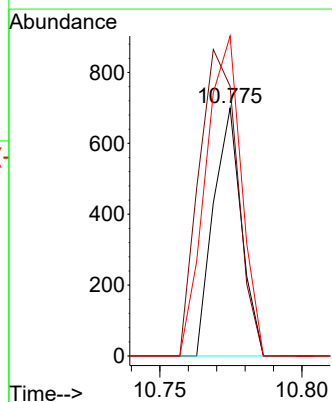
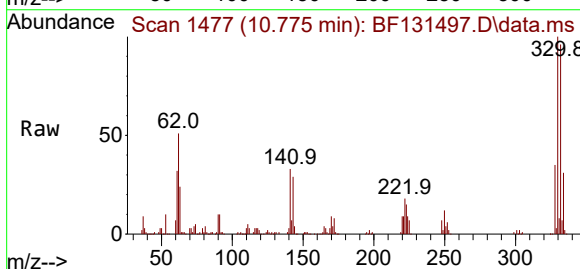
Tgt Ion:198 Resp: 479

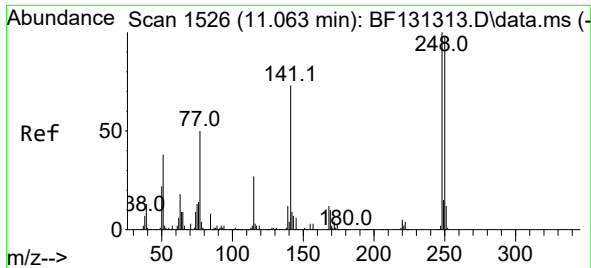
Ion Ratio Lower Upper

198 100

51 108.7 50.1 90.1#

105 129.0 32.5 72.5#

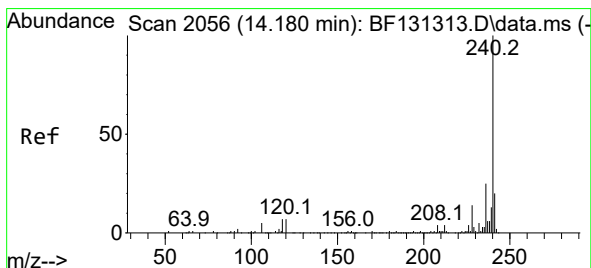
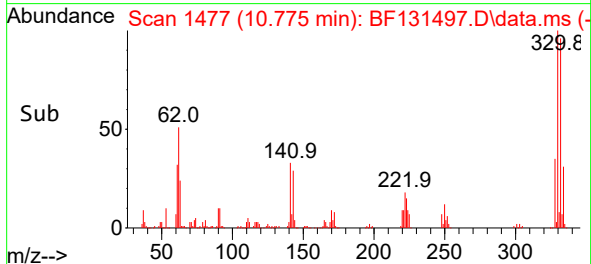
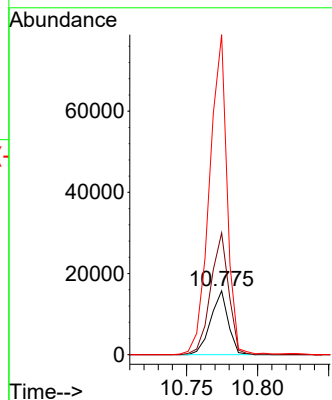
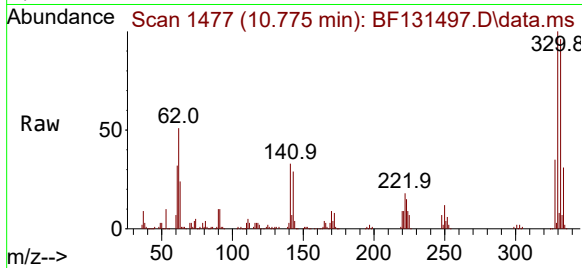




#67  
4-Bromophenyl-phenylether  
Concen: 3.299 ng  
RT: 10.775 min Scan# 14  
Delta R.T. -0.247 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

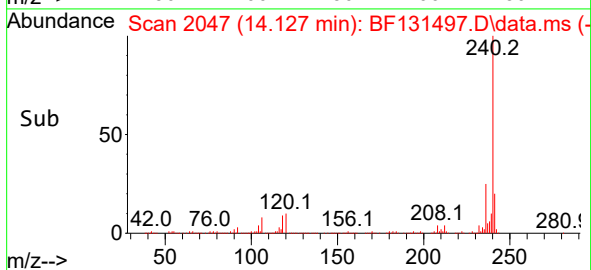
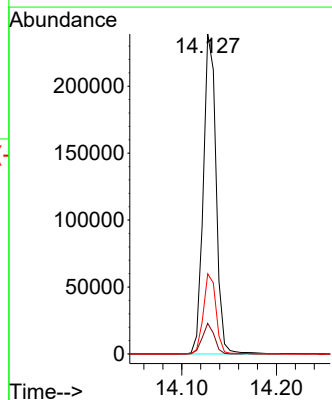
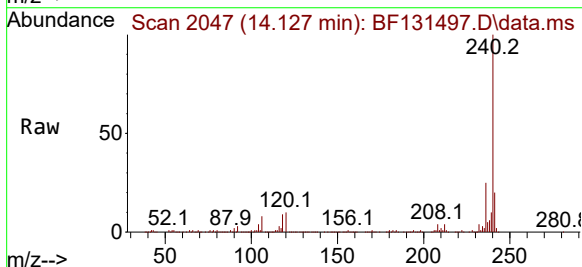
Instrument :  
BNA\_F  
ClientSampleId :  
PE-2

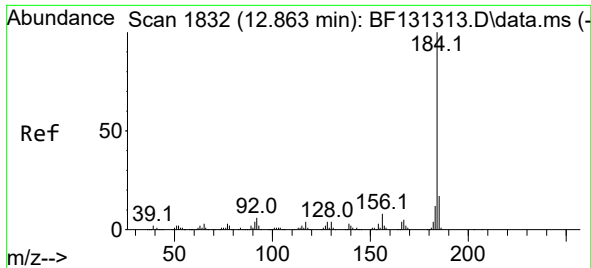
Tgt Ion:248 Resp: 13570  
Ion Ratio Lower Upper  
248 100  
250 190.5 78.3 117.5#  
141 500.6 58.0 87.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.127 min Scan# 2047  
Delta R.T. -0.012 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

Tgt Ion:240 Resp: 223391  
Ion Ratio Lower Upper  
240 100  
120 9.6 5.8 8.8#  
236 25.0 20.3 30.5

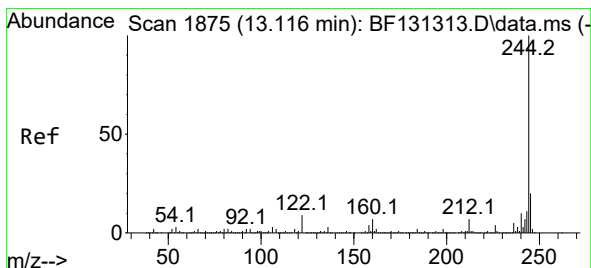
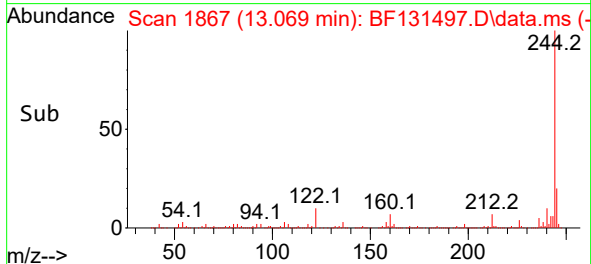
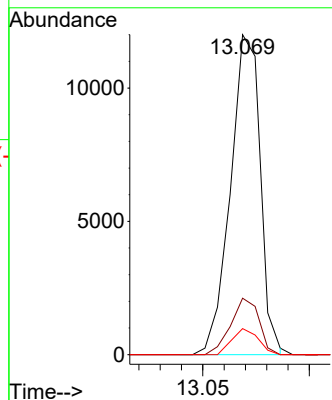
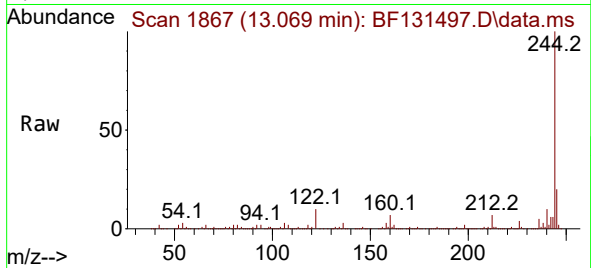




#77  
Benzidine  
Concen: 2.826 ng  
RT: 13.069 min Scan# 1867  
Delta R.T. 0.247 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

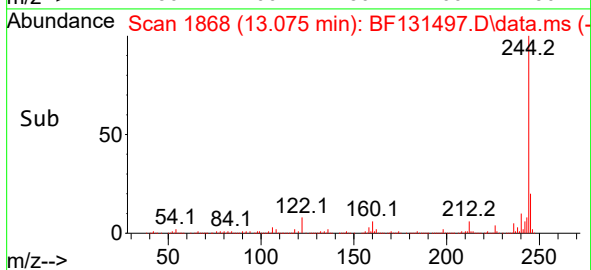
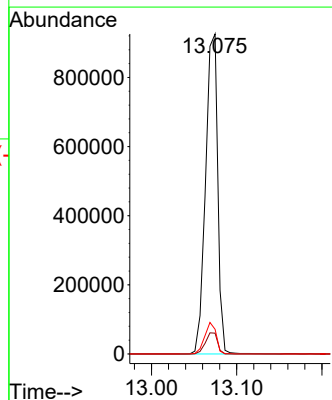
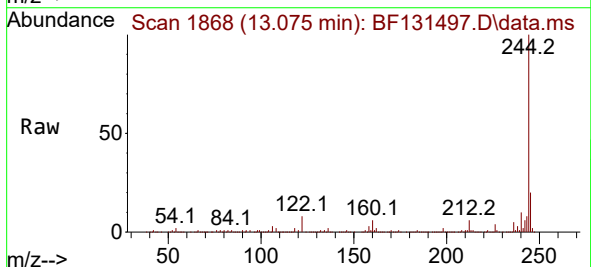
Instrument :  
BNA\_F  
ClientSampleId :  
PE-2

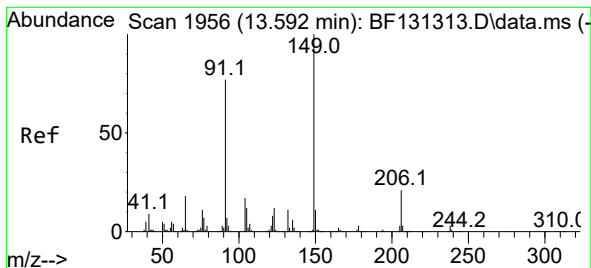
Tgt Ion:184 Resp: 11662  
Ion Ratio Lower Upper  
184 100  
185 17.6 13.8 20.8  
183 8.1 9.6 14.4#



#79  
Terphenyl-d14  
Concen: 67.126 ng  
RT: 13.075 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

Tgt Ion:244 Resp: 917002  
Ion Ratio Lower Upper  
244 100  
212 6.5 5.9 8.9  
122 7.7 7.5 11.3





#80

Butylbenzylphthalate

Concen: 4.288 ng

RT: 13.539 min Scan# 1956

Delta R.T. -0.012 min

Lab File: BF131497.D

Acq: 02 Dec 2022 15:53

Instrument :

BNA\_F

ClientSampleId :

PE-2

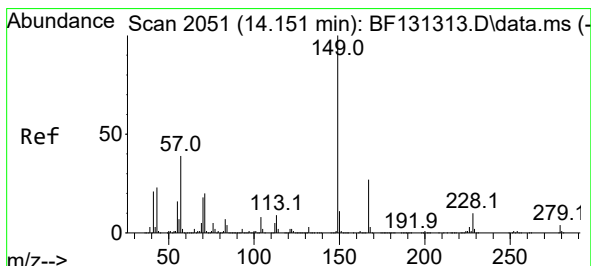
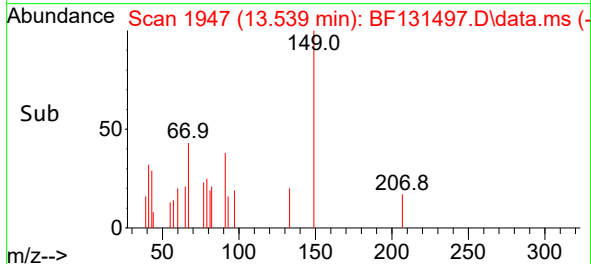
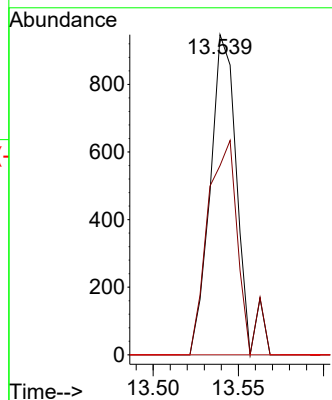
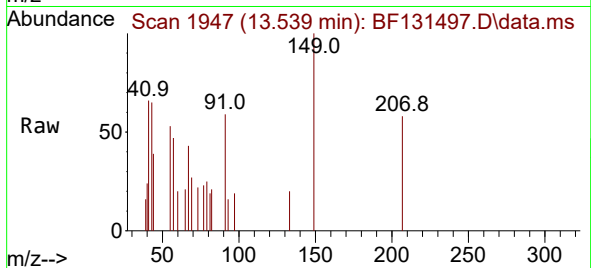
Tgt Ion:149 Resp: 1050

Ion Ratio Lower Upper

149 100

91 59.1 61.9 92.9#

206 0.0 16.5 24.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.978 ng

RT: 14.104 min Scan# 2043

Delta R.T. -0.006 min

Lab File: BF131497.D

Acq: 02 Dec 2022 15:53

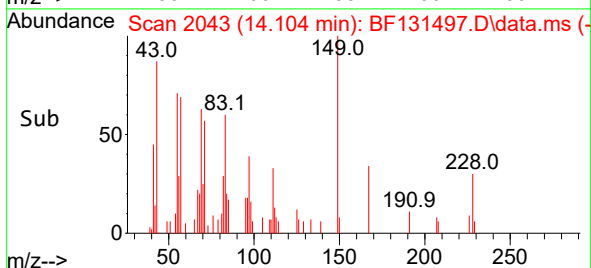
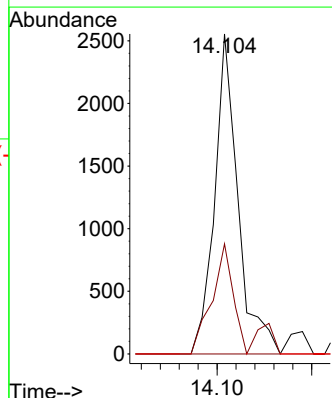
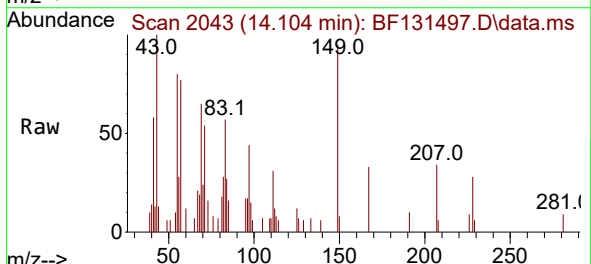
Tgt Ion:149 Resp: 2185

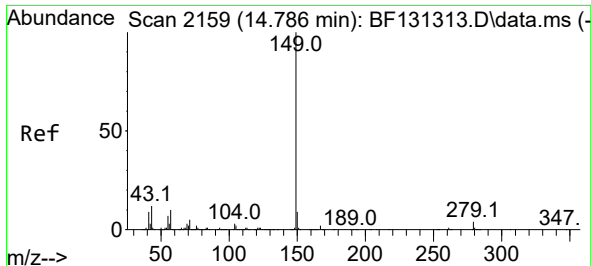
Ion Ratio Lower Upper

149 100

167 34.4 21.9 32.9#

279 0.0 3.0 4.4#

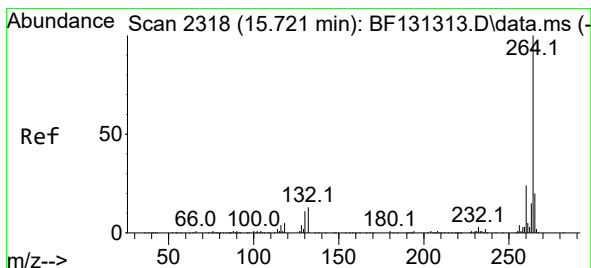
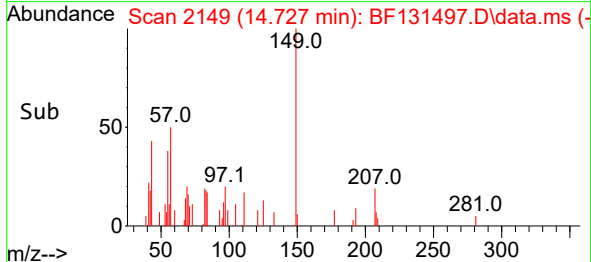
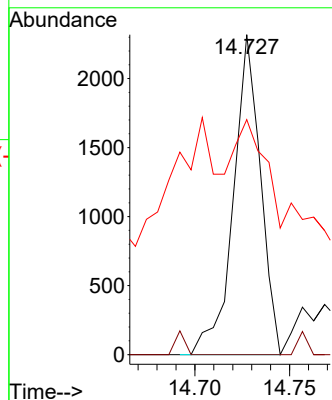
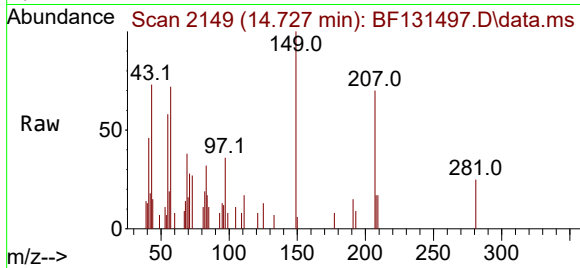




#85  
Di-n-octyl phthalate  
Concen: 4.112 ng  
RT: 14.727 min Scan# 2159  
Delta R.T. -0.006 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

Instrument :  
BNA\_F  
ClientSampleId :  
PE-2

Tgt Ion:149 Resp: 2299  
Ion Ratio Lower Upper  
149 100  
167 0.0 1.2 1.8#  
43 95.3 10.7 16.1#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.657 min Scan# 2307  
Delta R.T. -0.006 min  
Lab File: BF131497.D  
Acq: 02 Dec 2022 15:53

Tgt Ion:264 Resp: 186148  
Ion Ratio Lower Upper  
264 100  
260 23.4 19.0 28.4  
265 21.6 16.4 24.6

