

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070122\  
 Data File : BF129090.D  
 Acq On : 01 Jul 2022 13:58  
 Operator : CG\JU  
 Sample : N3552-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-PAD

Quant Time: Jul 02 01:25:05 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 29 17:05:31 2022  
 Response via : Initial Calibration

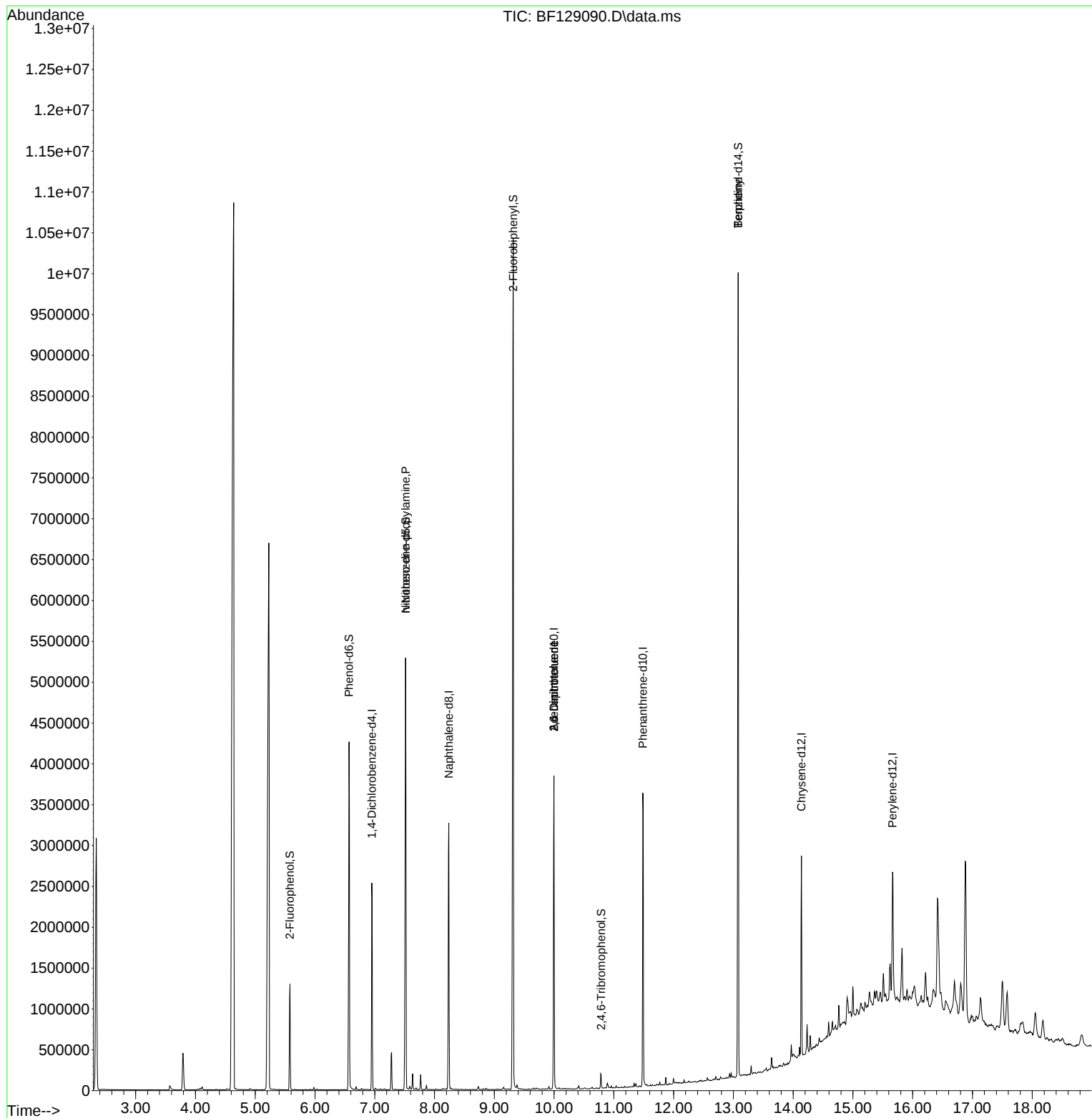
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.951  | 152  | 395024   | 20.000    | ng     | -0.01    |
| 21) Naphthalene-d8            | 8.239  | 136  | 1509084  | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.998  | 164  | 781820   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.486 | 188  | 1365631  | 20.000    | ng     | #-0.01   |
| 76) Chrysene-d12              | 14.139 | 240  | 798460   | 20.000    | ng     | -0.01    |
| 86) Perylene-d12              | 15.662 | 264  | 745423   | 20.000    | ng     | -0.01    |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.581  | 112  | 346711   | 14.839    | ng     | 0.00     |
| 7) Phenol-d6                  | 6.569  | 99   | 1540822  | 53.097    | ng     | -0.02    |
| 23) Nitrobenzene-d5           | 7.516  | 82   | 1860807  | 73.548    | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.786 | 330  | 23574    | 2.773     | ng     | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.316  | 172  | 3389582  | 69.359    | ng     | 0.00     |
| 79) Terphenyl-d14             | 13.080 | 244  | 3237230  | 84.194    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.504  | 77   | 292      | Below Cal | #      | 56       |
| 19) n-Nitroso-di-n-propyla... | 7.516  | 70   | 247462   | 14.741    | ng     | # 71     |
| 51) 2,6-Dinitrotoluene        | 9.998  | 165  | 102355   | 10.241    | ng     | # 25     |
| 57) 2,4-Dinitrotoluene        | 9.998  | 165  | 102595   | 8.315     | ng     | # 21     |
| 77) Benzidine                 | 13.080 | 184  | 46456    | 3.267     | ng     | # 92     |
| -----                         |        |      |          |           |        |          |

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

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Quant Time: Jul 02 01:25:05 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 29 17:05:31 2022  
Response via : Initial Calibration

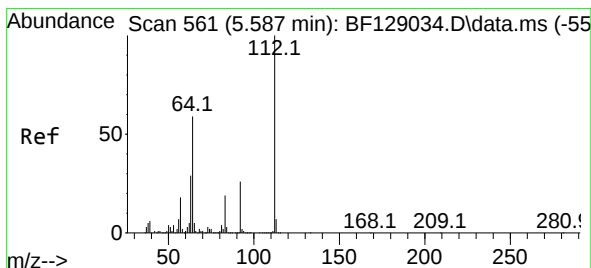
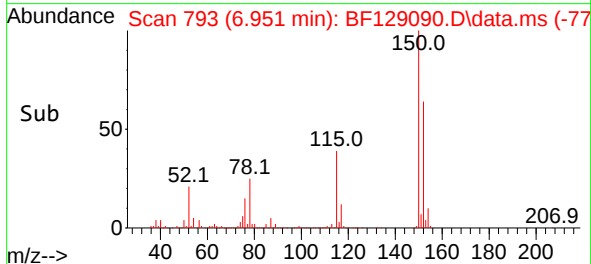
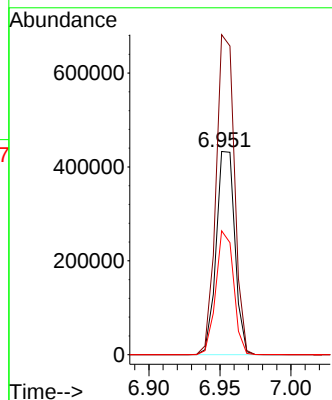
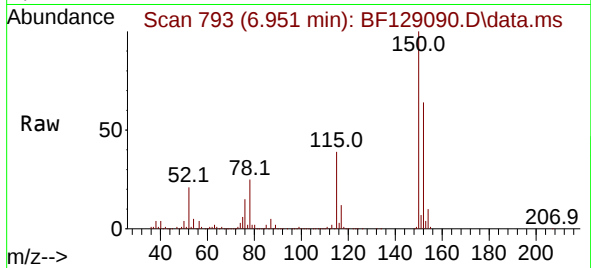




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.951 min Scan# 795  
Delta R.T. -0.012 min  
Lab File: BF129090.D  
Acq: 01 Jul 2022 13:58

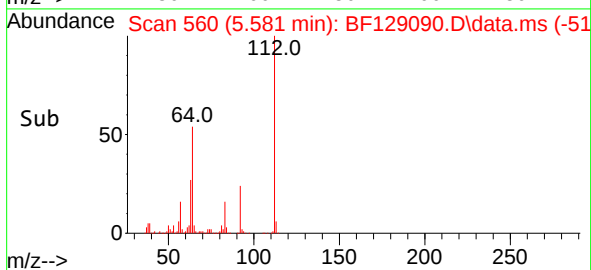
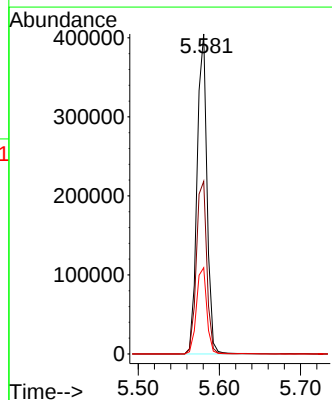
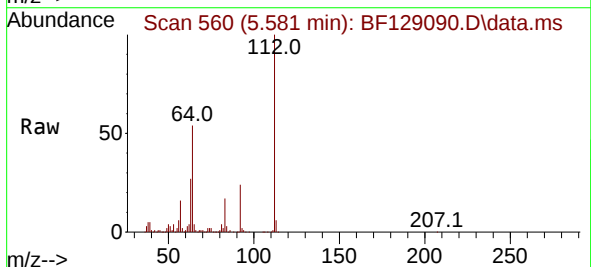
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PAD

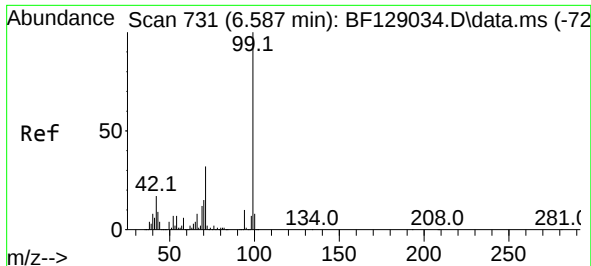
Tgt Ion:152 Resp: 395024  
Ion Ratio Lower Upper  
152 100  
150 157.5 123.7 185.5  
115 60.9 49.9 74.9



#5  
2-Fluorophenol  
Concen: 14.839 ng  
RT: 5.581 min Scan# 560  
Delta R.T. -0.006 min  
Lab File: BF129090.D  
Acq: 01 Jul 2022 13:58

Tgt Ion:112 Resp: 346711  
Ion Ratio Lower Upper  
112 100  
64 53.9 53.3 79.9  
63 26.9 28.0 42.0

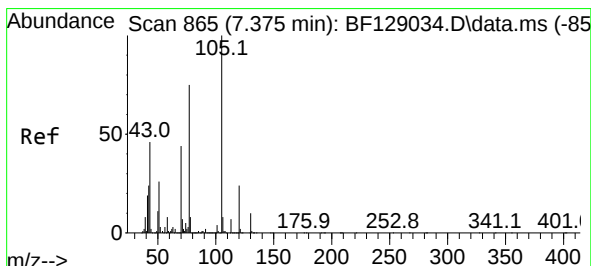
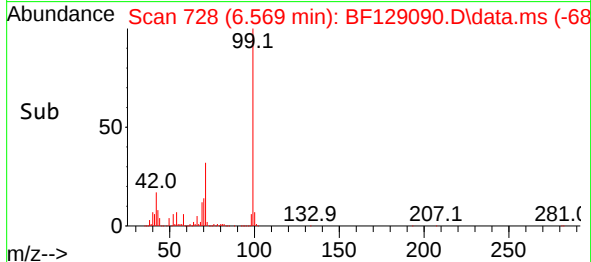
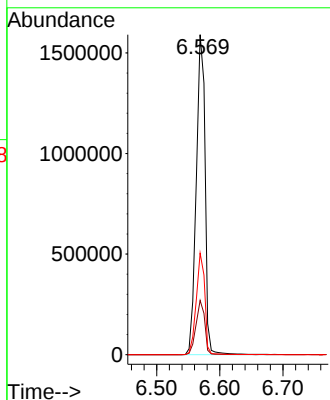
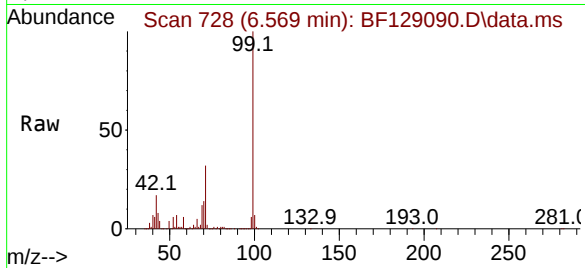




#7  
Phenol-d6  
Concen: 53.097 ng  
RT: 6.569 min Scan# 71  
Delta R.T. -0.018 min  
Lab File: BF129090.D  
Acq: 01 Jul 2022 13:58

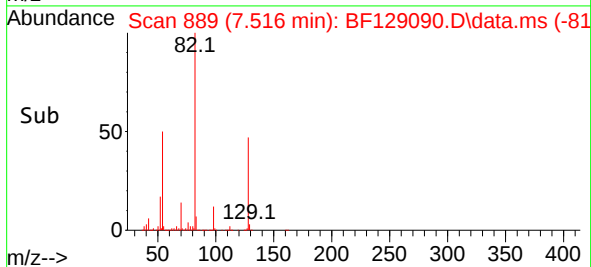
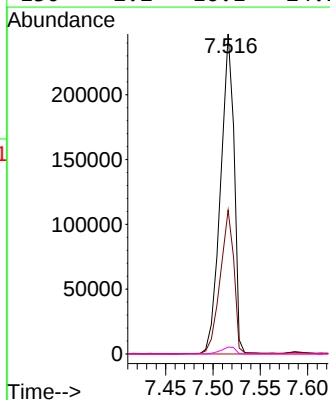
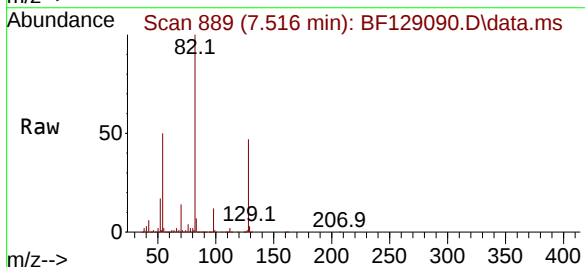
Instrument :  
BNA\_F  
ClientSampleId :  
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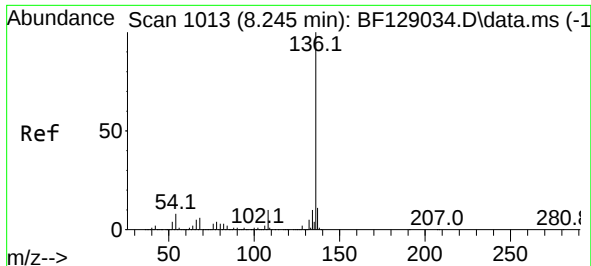
Tgt Ion: 99 Resp: 1540822  
Ion Ratio Lower Upper  
99 100  
42 17.0 17.3 25.9#  
71 31.8 28.9 43.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.741 ng  
RT: 7.516 min Scan# 889  
Delta R.T. 0.141 min  
Lab File: BF129090.D  
Acq: 01 Jul 2022 13:58

Tgt Ion: 70 Resp: 247462  
Ion Ratio Lower Upper  
70 100  
42 44.9 52.3 78.5#  
101 0.0 7.5 11.3#  
130 2.2 16.1 24.1#

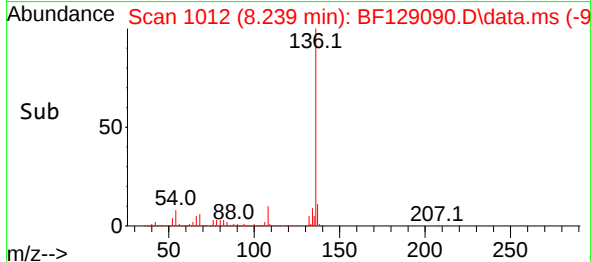
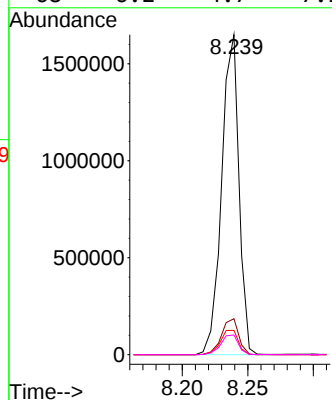
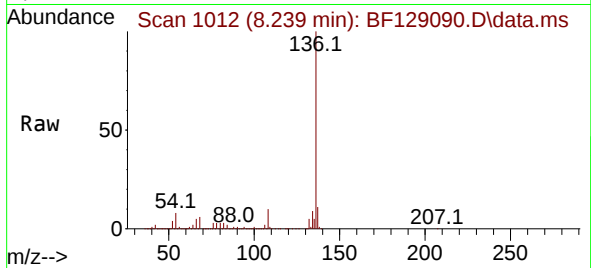




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.239 min Scan# 1012  
Delta R.T. -0.006 min  
Lab File: BF129090.D  
Acq: 01 Jul 2022 13:58

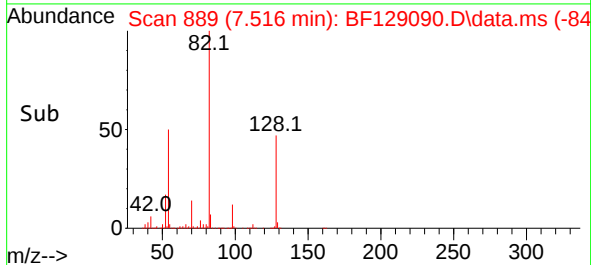
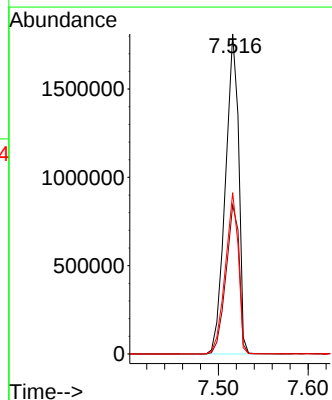
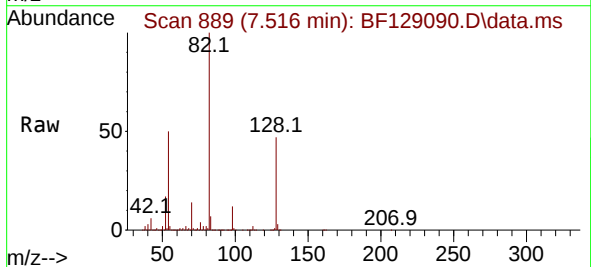
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PAD

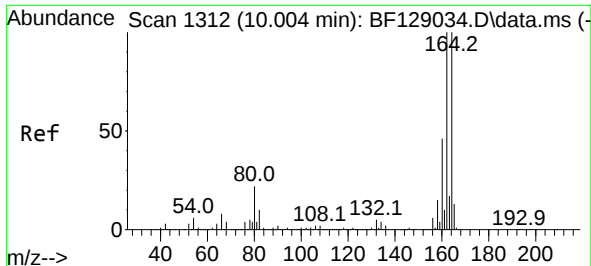
Tgt Ion:136 Resp: 1509084  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 7.6 7.5 11.3  
68 6.2 4.7 7.1



#23  
Nitrobenzene-d5  
Concen: 73.548 ng  
RT: 7.516 min Scan# 889  
Delta R.T. -0.012 min  
Lab File: BF129090.D  
Acq: 01 Jul 2022 13:58

Tgt Ion: 82 Resp: 1860807  
Ion Ratio Lower Upper  
82 100  
128 46.5 34.0 51.0  
54 50.4 46.9 70.3

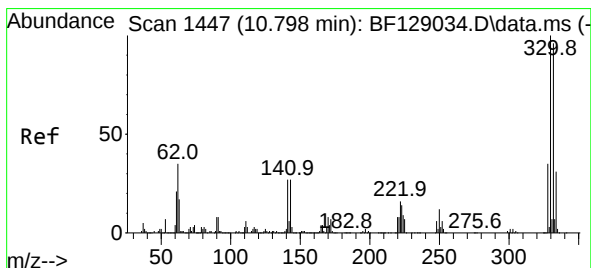
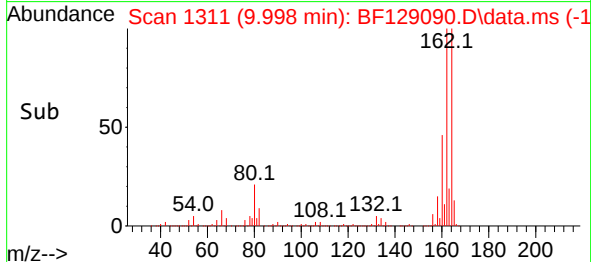
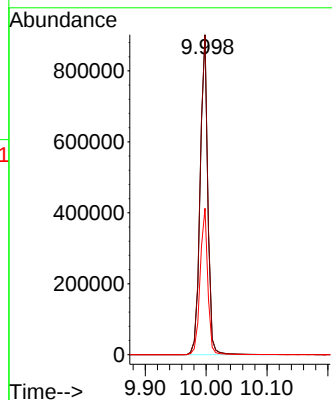
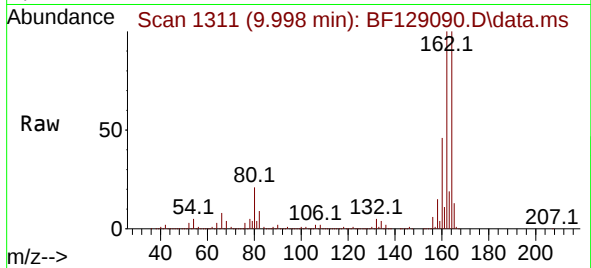




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.998 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129090.D  
Acq: 01 Jul 2022 13:58

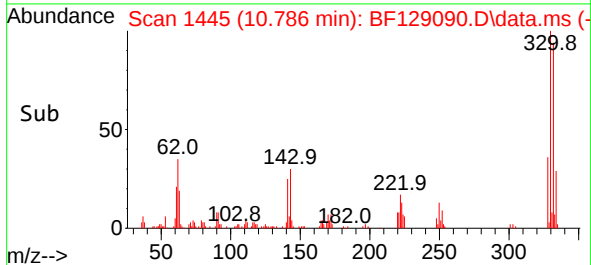
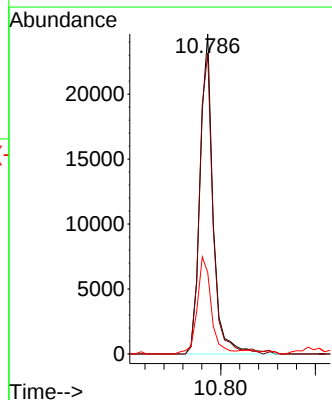
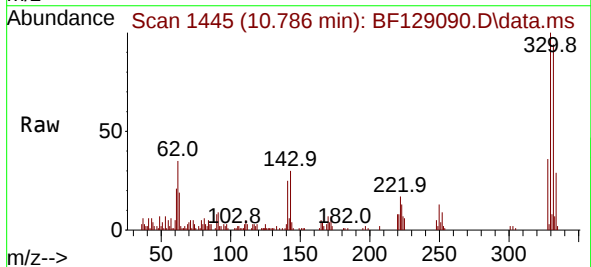
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PAD

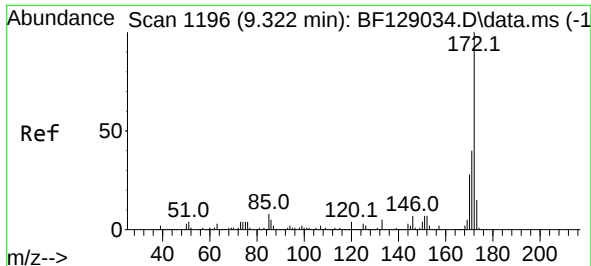
Tgt Ion:164 Resp: 781820  
Ion Ratio Lower Upper  
164 100  
162 99.8 79.5 119.3  
160 45.7 34.2 51.4



#42  
2,4,6-Tribromophenol  
Concen: 2.773 ng  
RT: 10.786 min Scan# 1445  
Delta R.T. -0.012 min  
Lab File: BF129090.D  
Acq: 01 Jul 2022 13:58

Tgt Ion:330 Resp: 23574  
Ion Ratio Lower Upper  
330 100  
332 96.4 76.8 115.2  
141 32.7 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 69.359 ng

RT: 9.316 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF129090.D

Acq: 01 Jul 2022 13:58

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-PAD

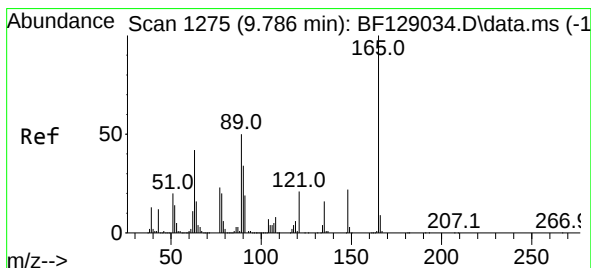
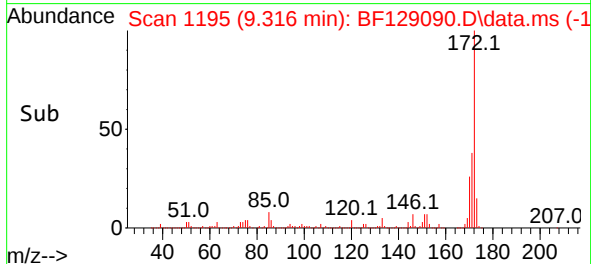
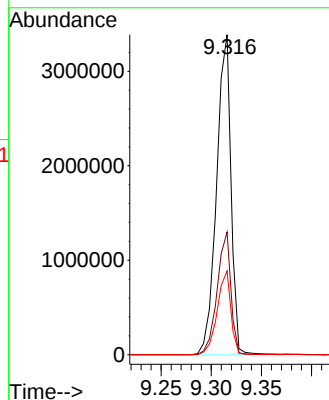
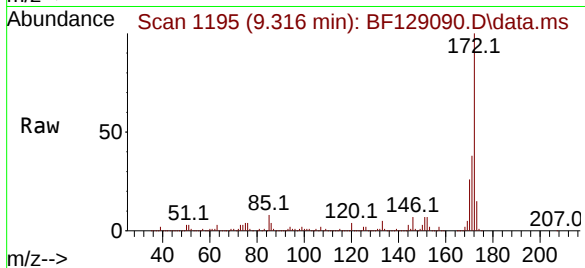
Tgt Ion:172 Resp: 3389582

Ion Ratio Lower Upper

172 100

171 38.3 28.8 43.2

170 26.1 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 10.241 ng

RT: 9.998 min Scan# 1311

Delta R.T. 0.212 min

Lab File: BF129090.D

Acq: 01 Jul 2022 13:58

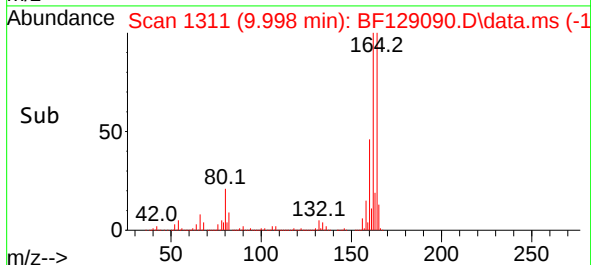
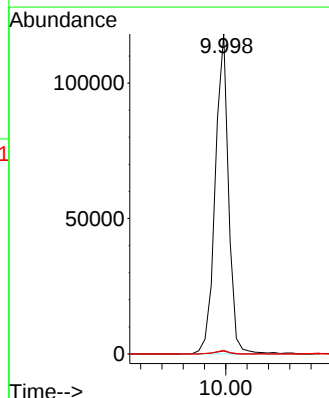
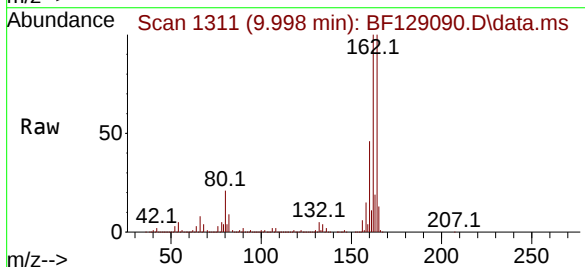
Tgt Ion:165 Resp: 102355

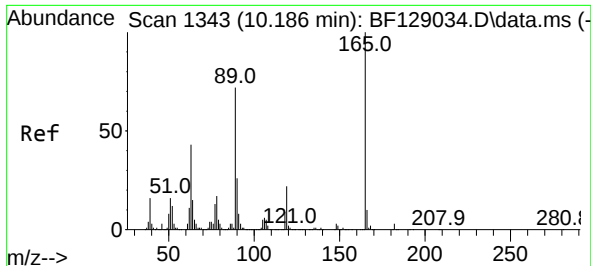
Ion Ratio Lower Upper

165 100

63 0.9 44.9 67.3#

89 1.1 43.6 65.4#

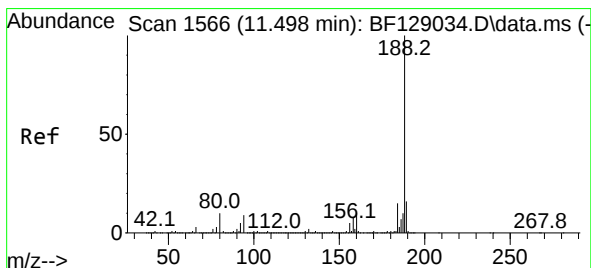
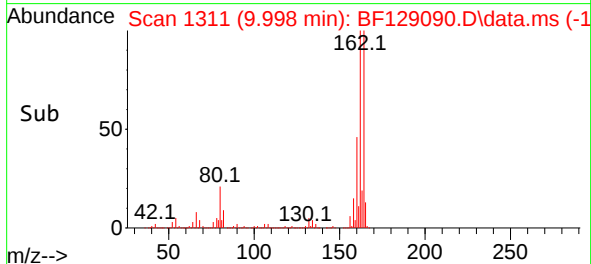
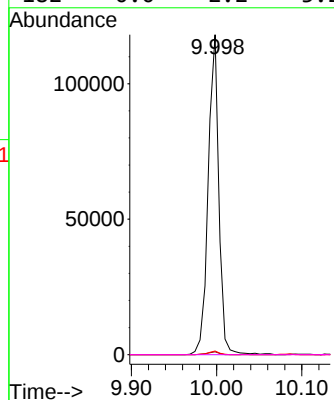
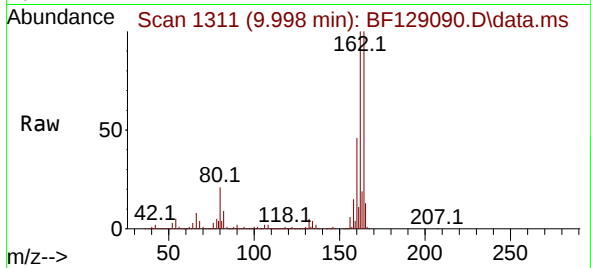




#57  
2,4-Dinitrotoluene  
Concen: 8.315 ng  
RT: 9.998 min Scan# 111  
Delta R.T. -0.188 min  
Lab File: BF129090.D  
Acq: 01 Jul 2022 13:58

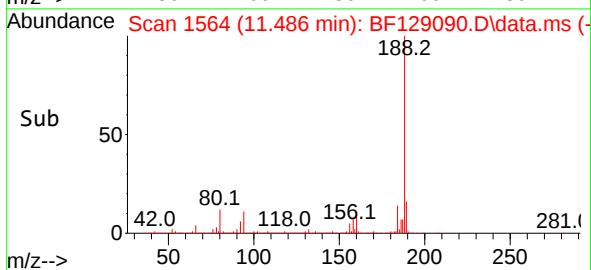
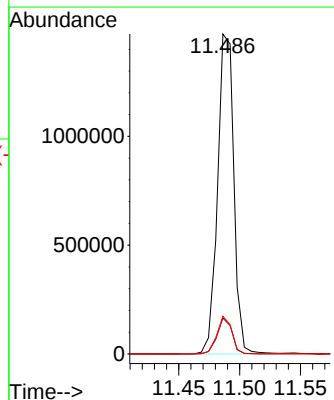
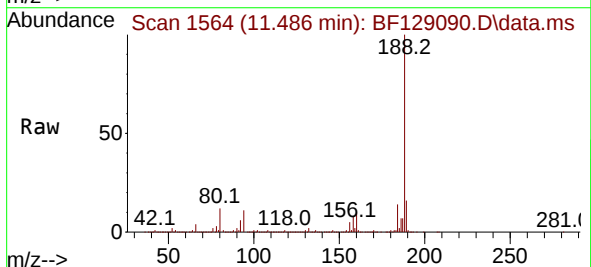
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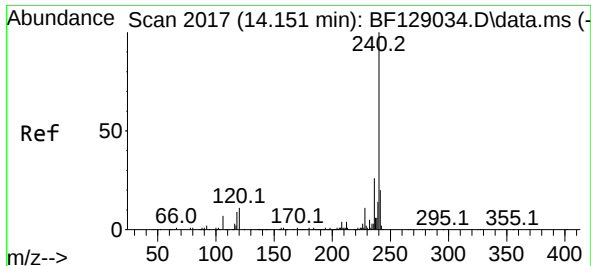
Tgt Ion:165 Resp: 102595  
Ion Ratio Lower Upper  
165 100  
63 0.9 39.8 59.6#  
89 1.1 60.2 90.2#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.486 min Scan# 1564  
Delta R.T. -0.012 min  
Lab File: BF129090.D  
Acq: 01 Jul 2022 13:58

Tgt Ion:188 Resp: 1365631  
Ion Ratio Lower Upper  
188 100  
94 11.2 7.0 10.6#  
80 11.8 7.6 11.4#

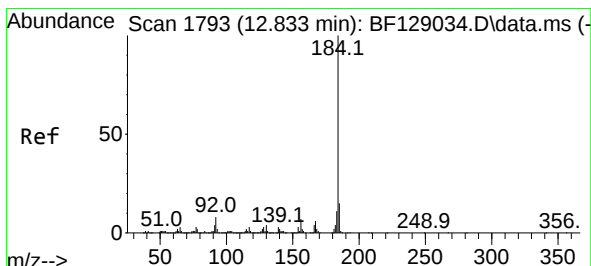
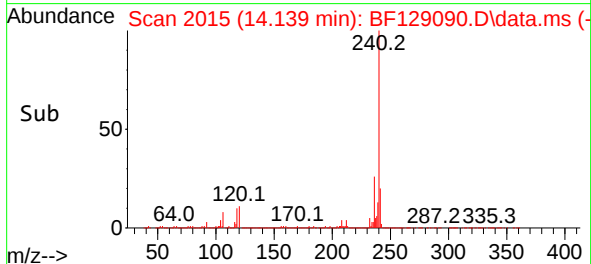
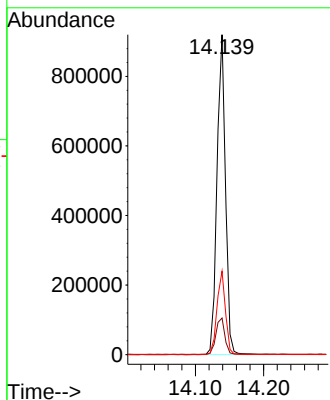
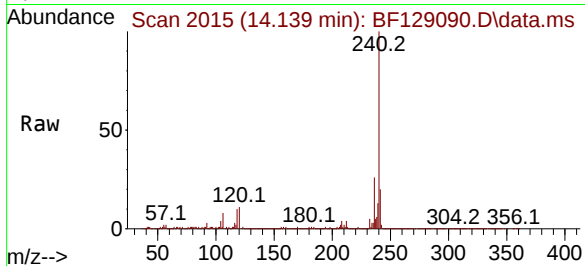




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.139 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF129090.D  
Acq: 01 Jul 2022 13:58

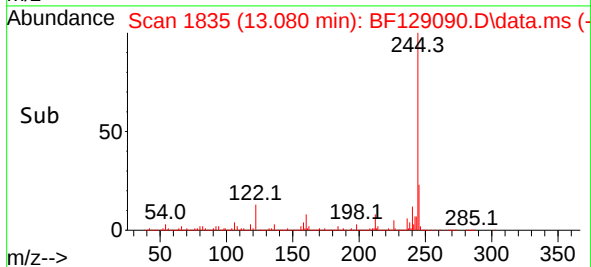
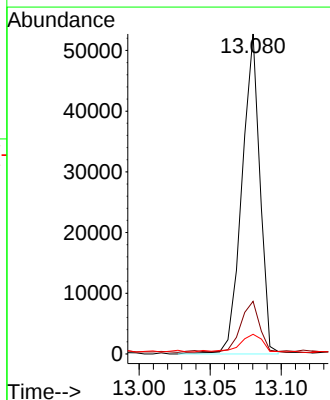
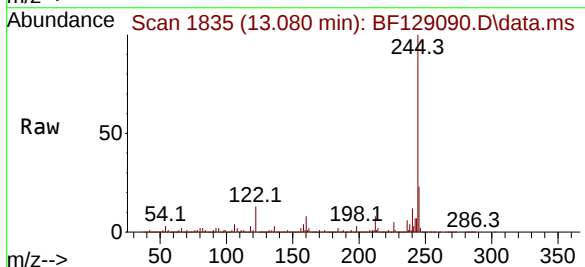
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-PAD

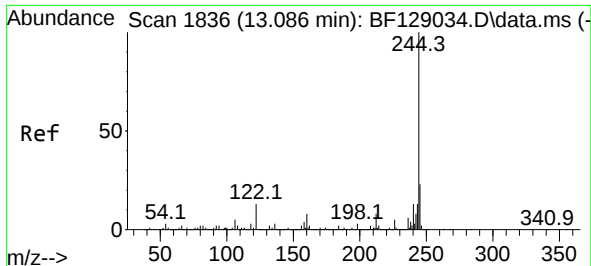
Tgt Ion:240 Resp: 798460  
Ion Ratio Lower Upper  
240 100  
120 11.4 8.9 13.3  
236 26.1 20.8 31.2



#77  
Benzidine  
Concen: 3.267 ng  
RT: 13.080 min Scan# 1835  
Delta R.T. 0.247 min  
Lab File: BF129090.D  
Acq: 01 Jul 2022 13:58

Tgt Ion:184 Resp: 46456  
Ion Ratio Lower Upper  
184 100  
185 16.4 11.9 17.9  
183 6.1 9.3 13.9#

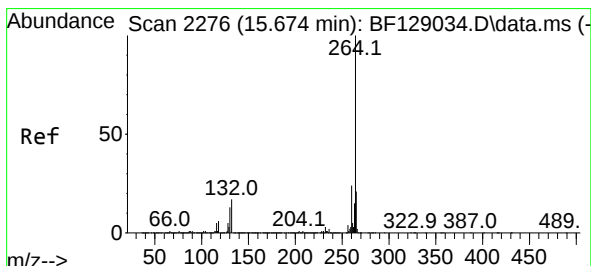
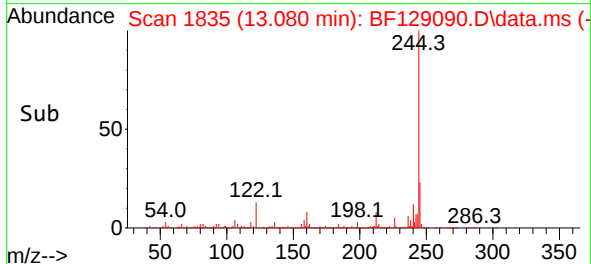
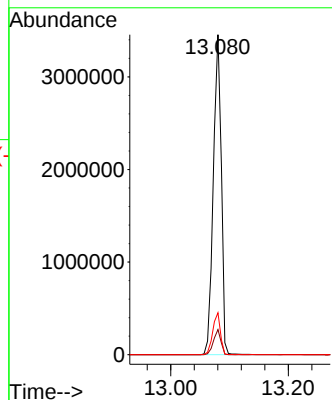
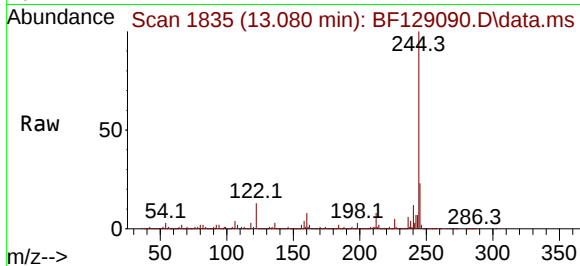




#79  
 Terphenyl-d14  
 Concen: 84.194 ng  
 RT: 13.080 min Scan# 1835  
 Delta R.T. -0.006 min  
 Lab File: BF129090.D  
 Acq: 01 Jul 2022 13:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-PAD

Tgt Ion:244 Resp: 3237230  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.1 9.1  
 122 13.1 8.8 13.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.662 min Scan# 2274  
 Delta R.T. -0.012 min  
 Lab File: BF129090.D  
 Acq: 01 Jul 2022 13:58

Tgt Ion:264 Resp: 745423  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 18.4 27.6  
 265 20.9 17.2 25.8

