

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072922\  
 Data File : BF129455.D  
 Acq On : 29 Jul 2022 22:24  
 Operator : CG\JU  
 Sample : N3964-02  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HMGP-SOIL-A

Quant Time: Jul 30 01:11:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 25 17:24:17 2022  
 Response via : Initial Calibration

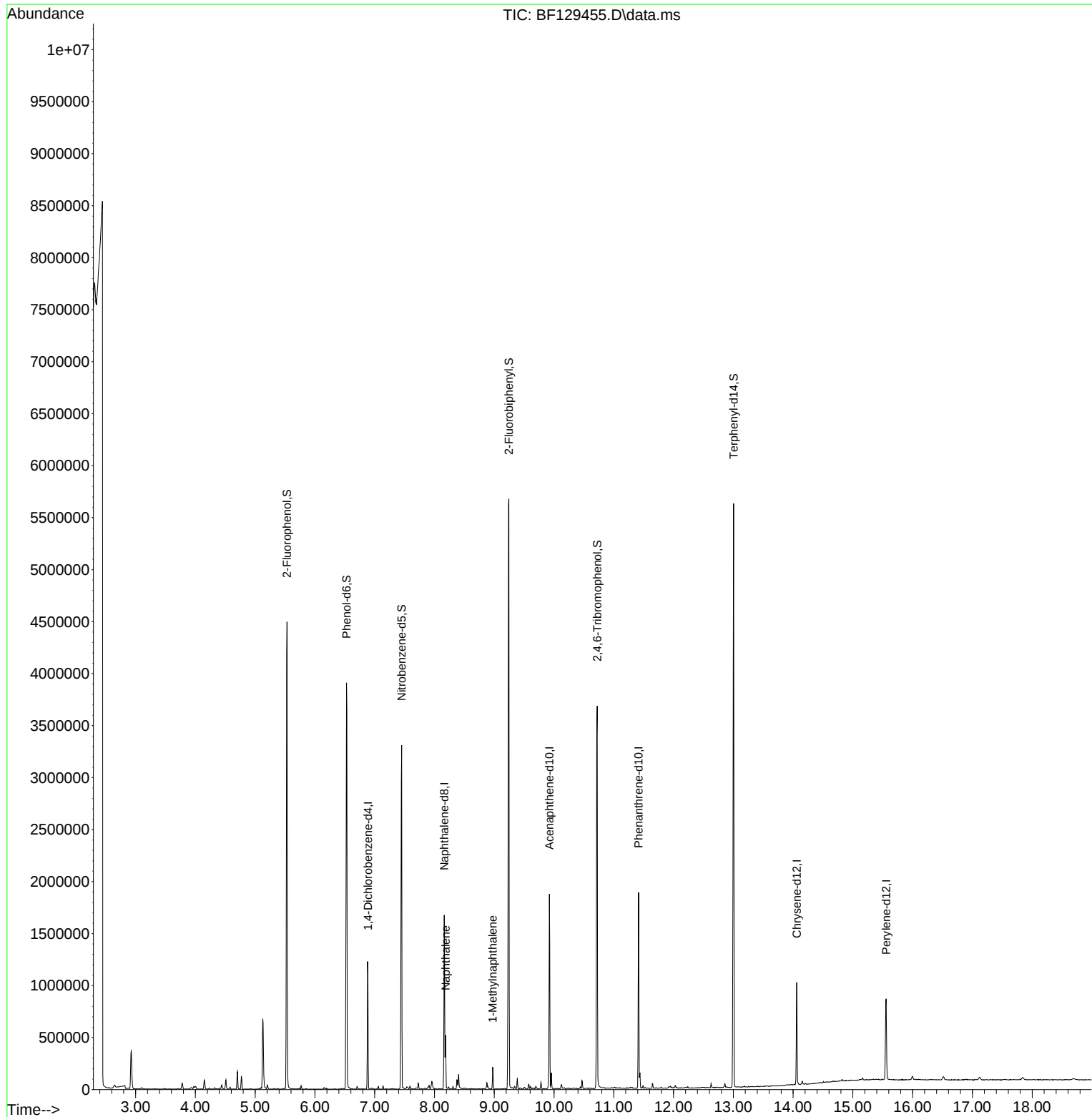
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.887  | 152  | 178454   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.163  | 136  | 708175   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.922  | 164  | 376684   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.416 | 188  | 623455   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.063 | 240  | 339293   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.557 | 264  | 353126   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.534  | 112  | 1256015  | 114.654 | ng    | 0.04     |
| 7) Phenol-d6                | 6.528  | 99   | 1465356  | 106.420 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.451  | 82   | 1130095  | 87.112  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.722 | 330  | 448244   | 123.772 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.245  | 172  | 1957986  | 80.410  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.004 | 244  | 1851083  | 102.926 | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
| 31) Naphthalene             | 8.187  | 128  | 197217   | 5.481   | ng    | 99       |
| 38) 1-Methylnaphthalene     | 8.975  | 142  | 50474    | 2.236   | ng    | 100      |
| -----                       |        |      |          |         |       |          |

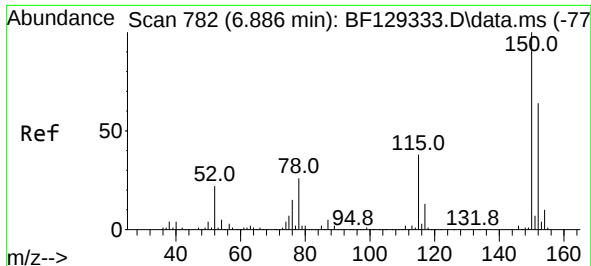
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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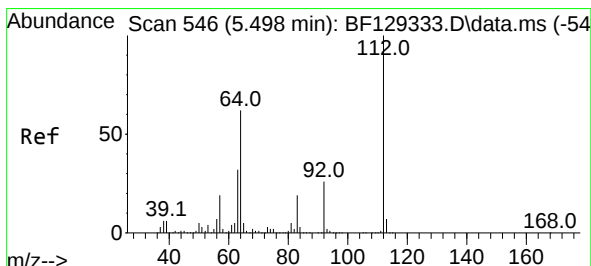
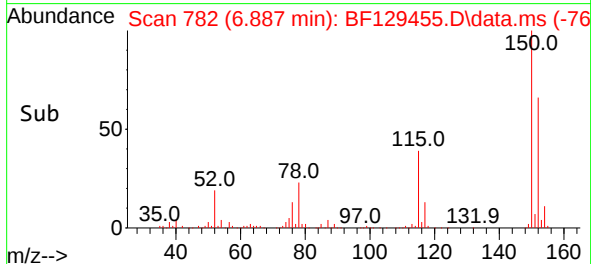
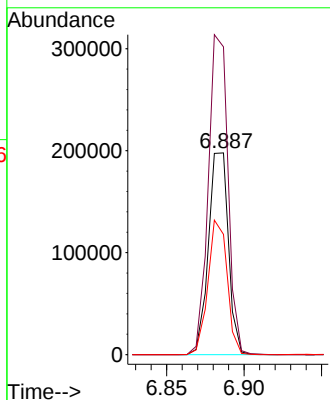
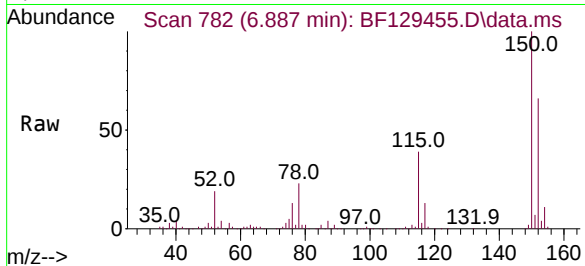




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 782  
Delta R.T. 0.001 min  
Lab File: BF129455.D  
Acq: 29 Jul 2022 22:24

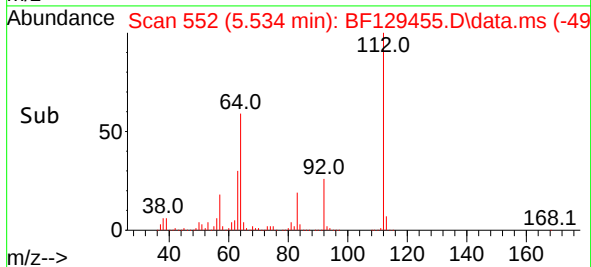
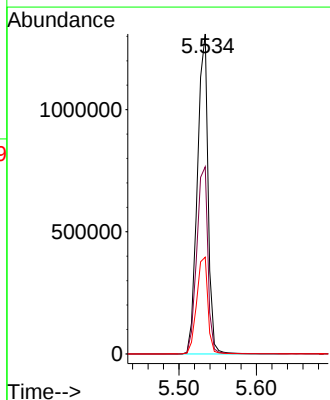
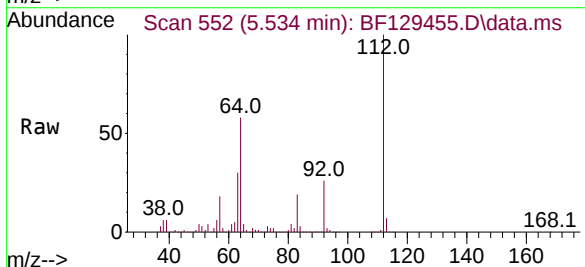
Instrument :  
BNA\_F  
ClientSampleId :  
HMGP-SOIL-A

Tgt Ion:152 Resp: 178454  
Ion Ratio Lower Upper  
152 100  
150 152.6 123.7 185.5  
115 59.6 49.9 74.9



#5  
2-Fluorophenol  
Concen: 114.654 ng  
RT: 5.534 min Scan# 552  
Delta R.T. 0.035 min  
Lab File: BF129455.D  
Acq: 29 Jul 2022 22:24

Tgt Ion:112 Resp: 1256015  
Ion Ratio Lower Upper  
112 100  
64 58.5 53.3 79.9  
63 30.2 28.0 42.0

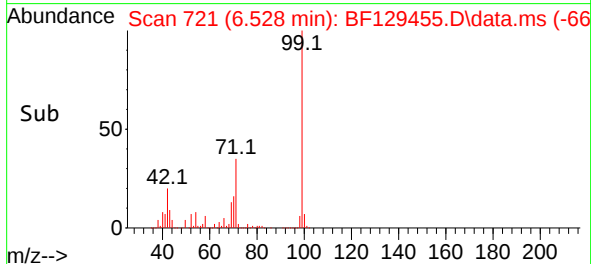
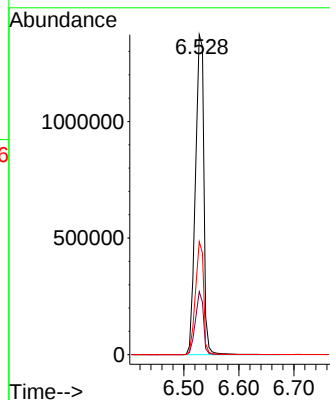
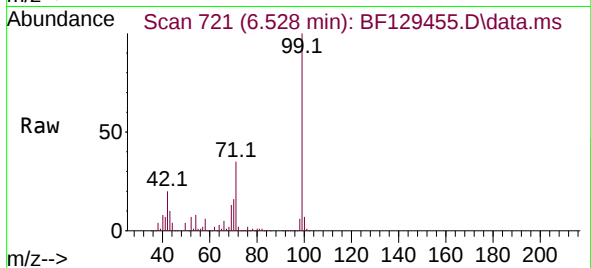




#7  
Phenol-d6  
Concen: 106.420 ng  
RT: 6.528 min Scan# 719  
Delta R.T. 0.012 min  
Lab File: BF129455.D  
Acq: 29 Jul 2022 22:24

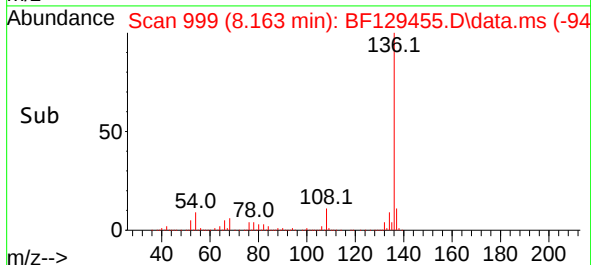
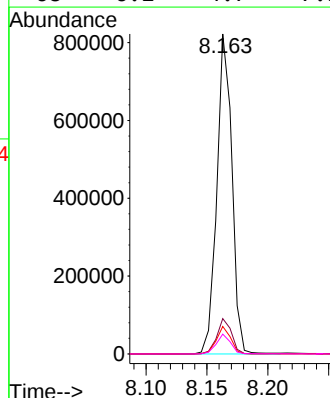
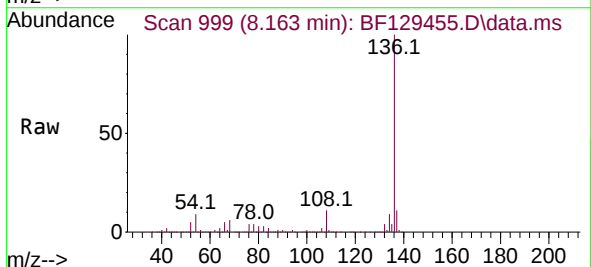
Instrument :  
BNA\_F  
ClientSampleId :  
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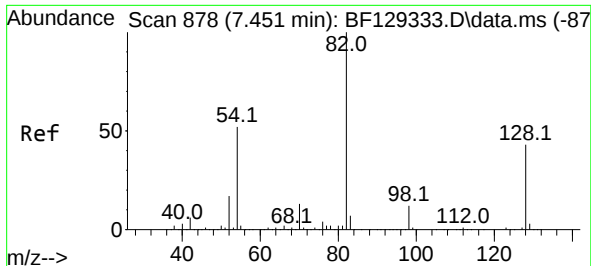
Tgt Ion: 99 Resp: 1465356  
Ion Ratio Lower Upper  
99 100  
42 19.7 17.3 25.9  
71 35.3 28.9 43.3



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 999  
Delta R.T. -0.006 min  
Lab File: BF129455.D  
Acq: 29 Jul 2022 22:24

Tgt Ion: 136 Resp: 708175  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 8.6 7.5 11.3  
68 6.2 4.7 7.1

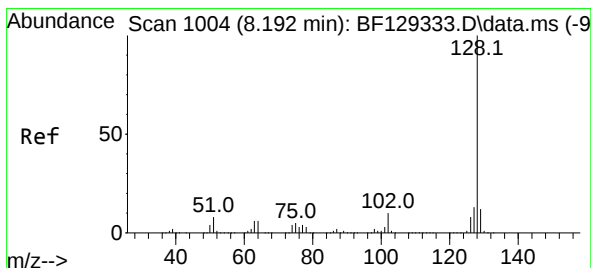
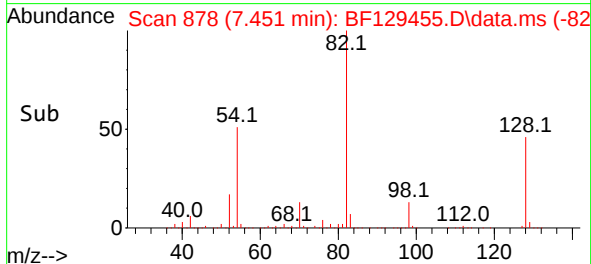
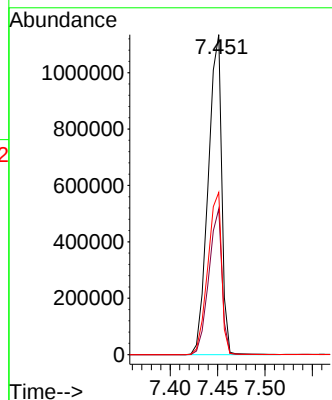
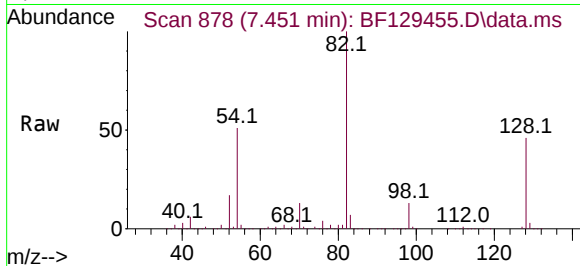




#23  
Nitrobenzene-d5  
Concen: 87.112 ng  
RT: 7.451 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF129455.D  
Acq: 29 Jul 2022 22:24

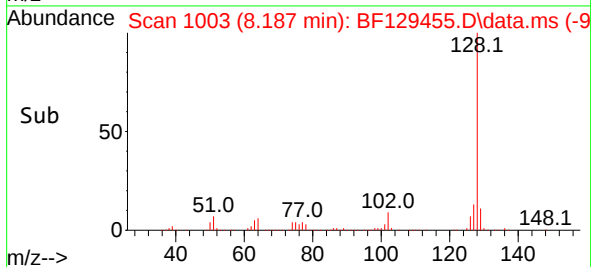
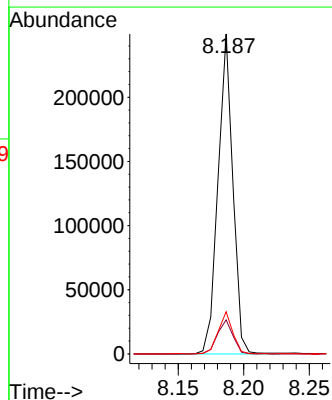
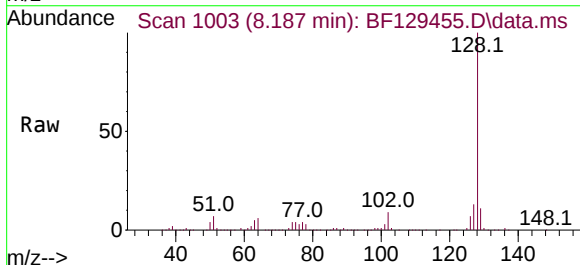
Instrument :  
BNA\_F  
ClientSampleId :  
HMGP-SOIL-A

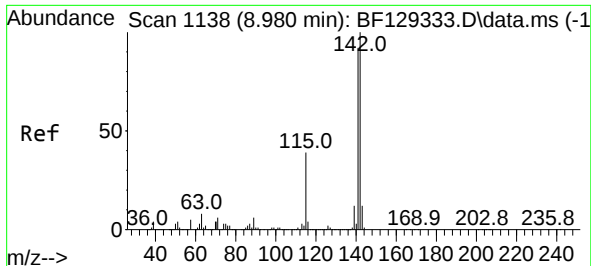
Tgt Ion: 82 Resp: 1130095  
Ion Ratio Lower Upper  
82 100  
128 45.5 34.0 51.0  
54 50.7 46.9 70.3



#31  
Naphthalene  
Concen: 5.481 ng  
RT: 8.187 min Scan# 1003  
Delta R.T. -0.006 min  
Lab File: BF129455.D  
Acq: 29 Jul 2022 22:24

Tgt Ion: 128 Resp: 197217  
Ion Ratio Lower Upper  
128 100  
129 10.6 9.2 13.8  
127 13.2 10.5 15.7





#38

1-Methylnaphthalene

Concen: 2.236 ng

RT: 8.975 min Scan# 1138

Delta R.T. -0.006 min

Lab File: BF129455.D

Acq: 29 Jul 2022 22:24

Instrument :

BNA\_F

ClientSampleId :

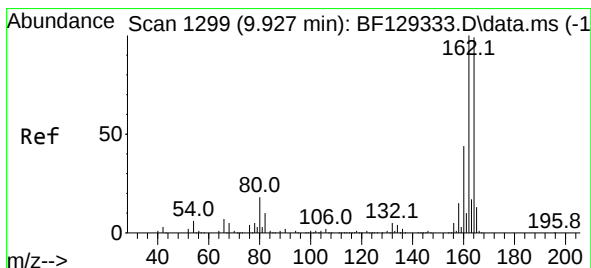
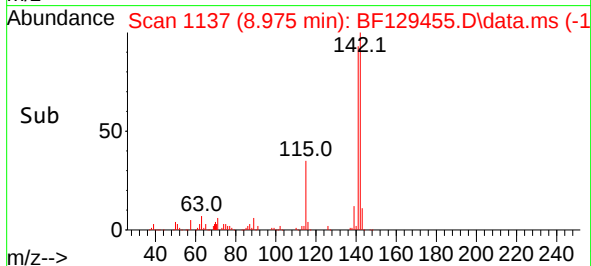
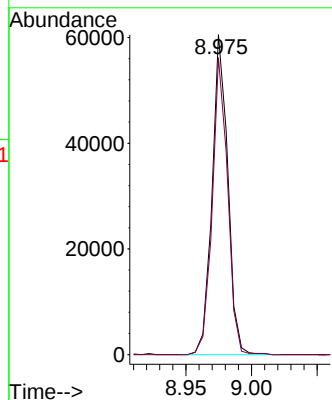
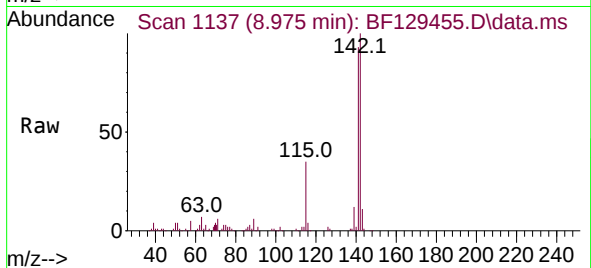
HMGP-SOIL-A

Tgt Ion:142 Resp: 50474

Ion Ratio Lower Upper

142 100

141 92.8 74.2 111.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1298

Delta R.T. -0.006 min

Lab File: BF129455.D

Acq: 29 Jul 2022 22:24

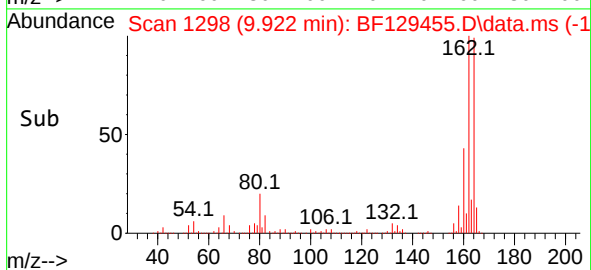
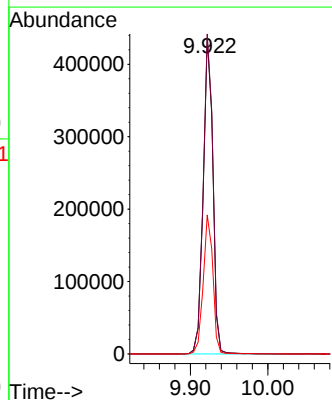
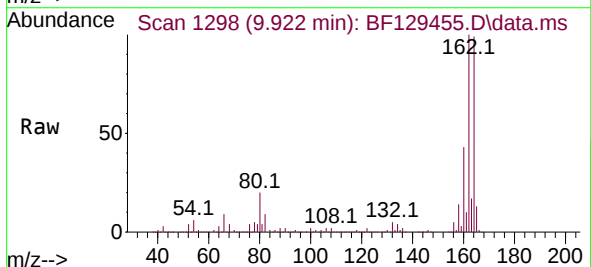
Tgt Ion:164 Resp: 376684

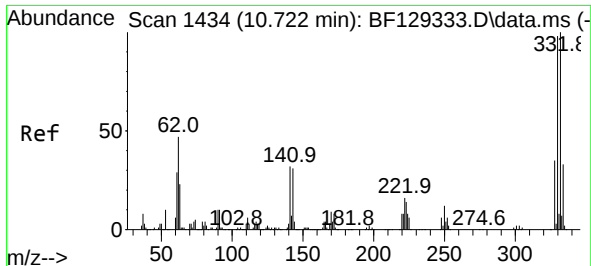
Ion Ratio Lower Upper

164 100

162 101.2 79.5 119.3

160 43.9 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 123.772 ng

RT: 10.722 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF129455.D

Acq: 29 Jul 2022 22:24

Instrument :

BNA\_F

ClientSampleId :

HMGP-SOIL-A

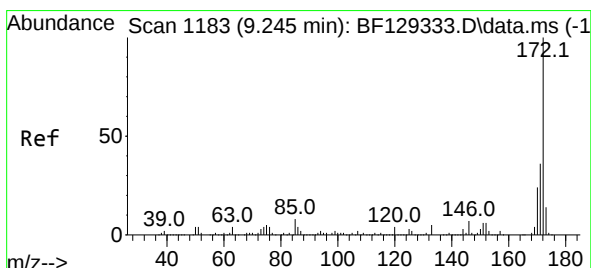
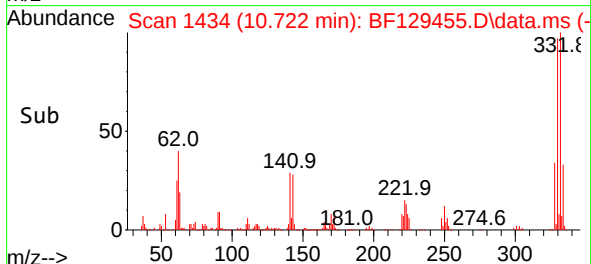
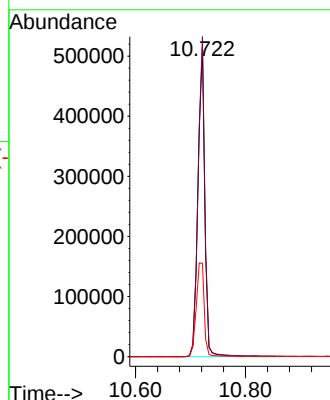
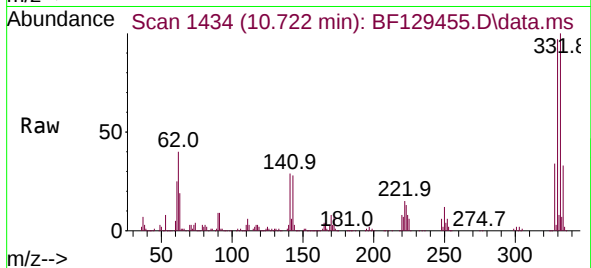
Tgt Ion:330 Resp: 448244

Ion Ratio Lower Upper

330 100

332 102.3 76.8 115.2

141 35.5 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 80.410 ng

RT: 9.245 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF129455.D

Acq: 29 Jul 2022 22:24

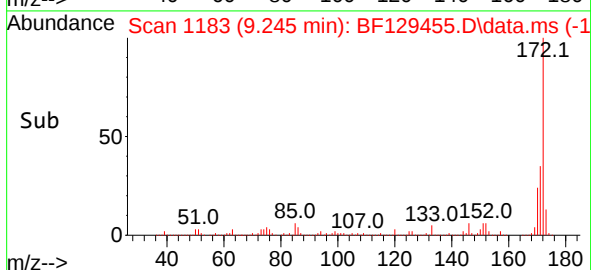
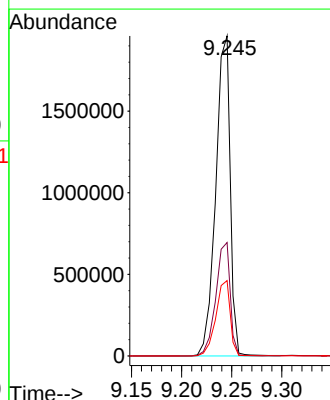
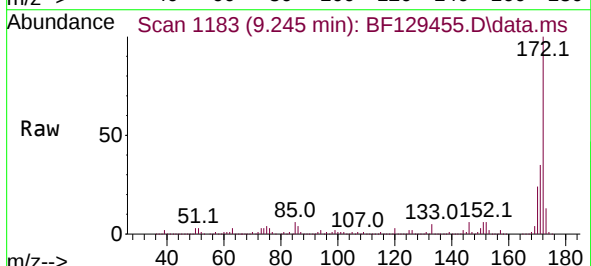
Tgt Ion:172 Resp: 1957986

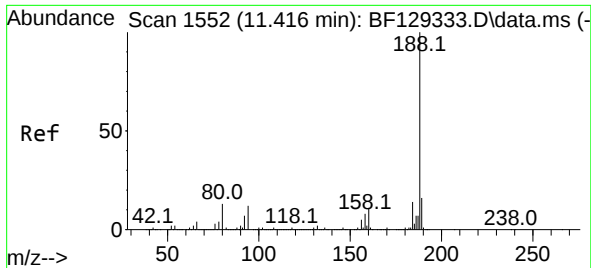
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.5 19.8 29.8

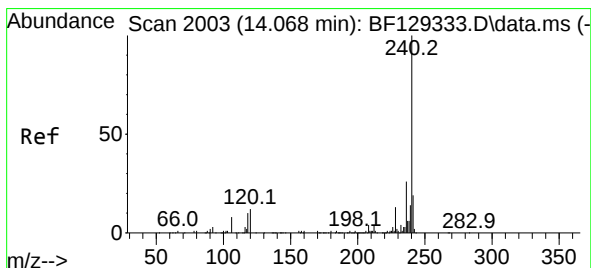
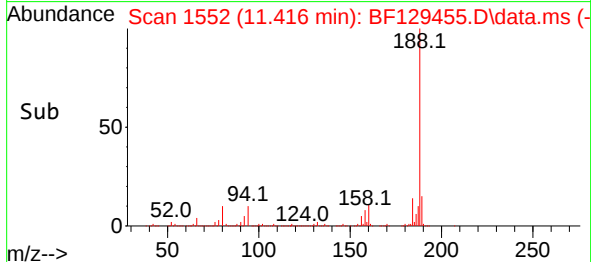
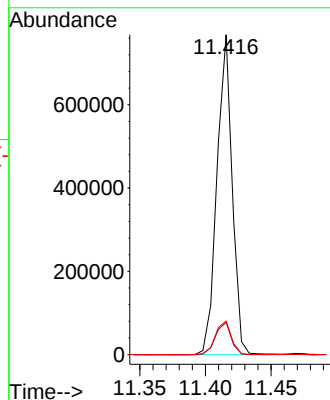
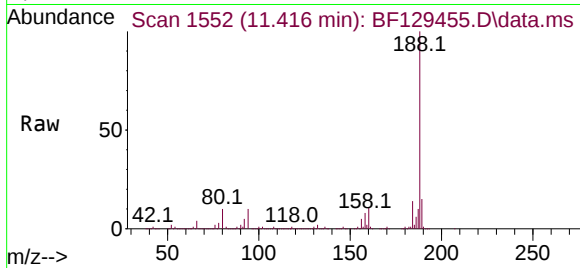




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129455.D  
Acq: 29 Jul 2022 22:24

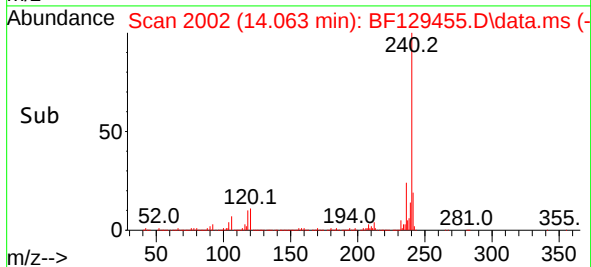
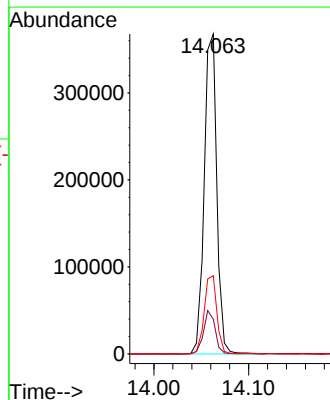
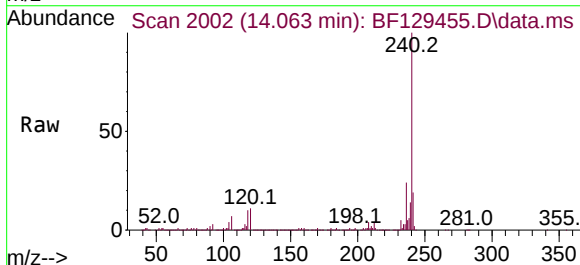
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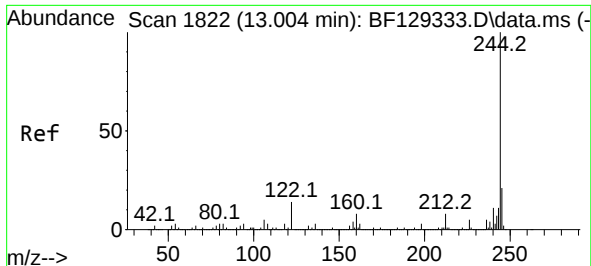
Tgt Ion:188 Resp: 623455  
Ion Ratio Lower Upper  
188 100  
94 10.1 7.0 10.6  
80 10.5 7.6 11.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.063 min Scan# 2002  
Delta R.T. -0.006 min  
Lab File: BF129455.D  
Acq: 29 Jul 2022 22:24

Tgt Ion:240 Resp: 339293  
Ion Ratio Lower Upper  
240 100  
120 10.8 8.9 13.3  
236 24.4 20.8 31.2

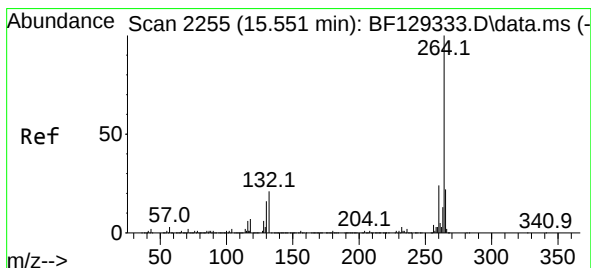
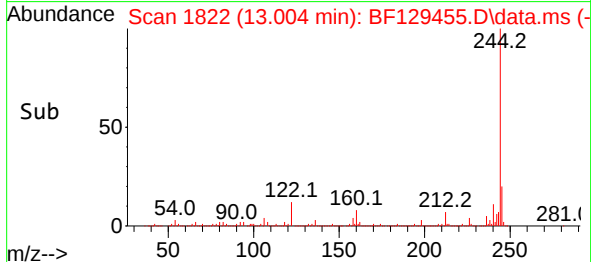
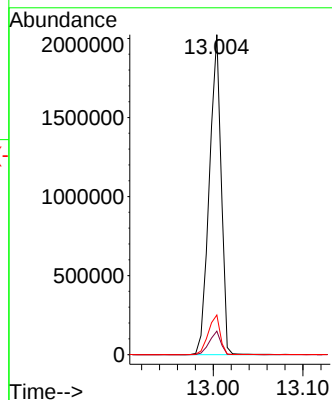
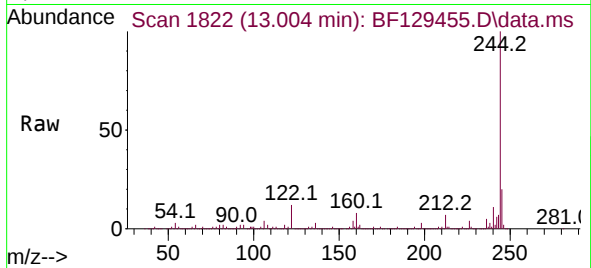




#79  
 Terphenyl-d14  
 Concen: 102.926 ng  
 RT: 13.004 min Scan# 1822  
 Delta R.T. 0.000 min  
 Lab File: BF129455.D  
 Acq: 29 Jul 2022 22:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HMGP-SOIL-A

Tgt Ion:244 Resp: 1851083  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.1 9.1  
 122 12.4 8.8 13.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.557 min Scan# 2256  
 Delta R.T. 0.006 min  
 Lab File: BF129455.D  
 Acq: 29 Jul 2022 22:24

Tgt Ion:264 Resp: 353126  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 18.4 27.6  
 265 21.2 17.2 25.8

