

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070523\  
 Data File : BF134088.D  
 Acq On : 06 Jul 2023 03:23  
 Operator : CG\JU  
 Sample : 03473-10  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CMC-EME-TOPSOIL-015

Quant Time: Jul 06 04:01:16 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 30 18:35:29 2023  
 Response via : Initial Calibration

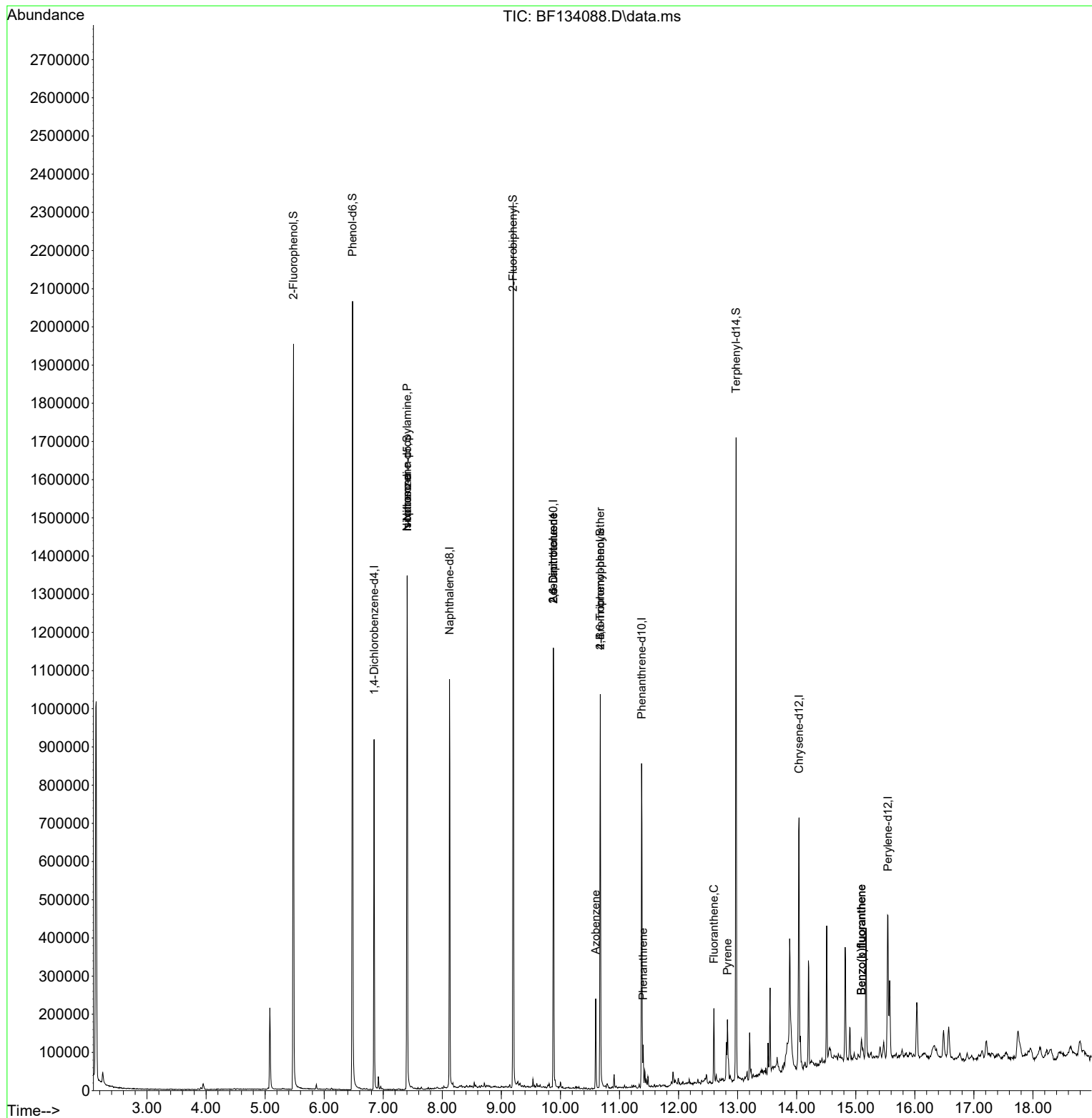
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 121298   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 447334   | 20.000    | ng     | -0.01    |
| 39) Acenaphthene-d10          | 9.880  | 164  | 223556   | 20.000    | ng     | -0.01    |
| 64) Phenanthrene-d10          | 11.374 | 188  | 315597   | 20.000    | ng     | -0.01    |
| 76) Chrysene-d12              | 14.039 | 240  | 228095   | 20.000    | ng     | -0.01    |
| 86) Perylene-d12              | 15.545 | 264  | 185096   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 506851   | 69.898    | ng     | 0.00     |
| 7) Phenol-d6                  | 6.481  | 99   | 607001   | 68.067    | ng     | -0.01    |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 398077   | 47.970    | ng     | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.674 | 330  | 117783   | 42.021    | ng     | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 710563   | 46.211    | ng     | -0.01    |
| 79) Terphenyl-d14             | 12.974 | 244  | 558751   | 39.425    | ng     | -0.01    |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.481  | 77   | 1619     | Below Cal | #      | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 56953    | 10.071    | ng     | # 78     |
| 25) Isophorone                | 7.404  | 82   | 398071   | 26.394    | ng     | # 64     |
| 51) 2,6-Dinitrotoluene        | 9.880  | 165  | 29187    | 8.351     | ng     | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.880  | 165  | 29187    | 6.323     | ng     | # 22     |
| 63) Azobenzene                | 10.598 | 77   | 38331    | 2.397     | ng     | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.674 | 248  | 7350     | 2.191     | ng     | # 1      |
| 71) Phenanthrene              | 11.398 | 178  | 33121    | 2.085     | ng     | 96       |
| 75) Fluoranthene              | 12.598 | 202  | 77034    | 4.485     | ng     | 98       |
| 78) Pyrene                    | 12.827 | 202  | 65170    | 3.070     | ng     | 99       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 38238    | 3.513     | ng     | # 93     |
| 89) Benzo(k)fluoranthene      | 15.098 | 252  | 38238    | 3.451     | ng     | # 92     |
| -----                         |        |      |          |           |        |          |

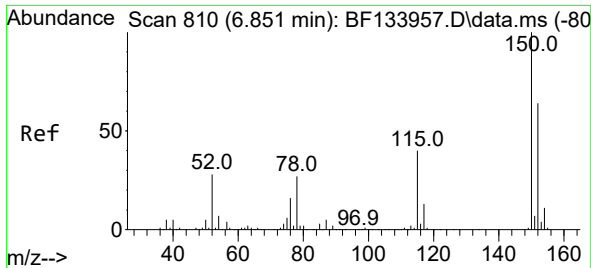
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070523\  
Data File : BF134088.D  
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Sample : 03473-10  
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CMC-EME-TOPSOIL-015

Quant Time: Jul 06 04:01:16 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 30 18:35:29 2023  
Response via : Initial Calibration

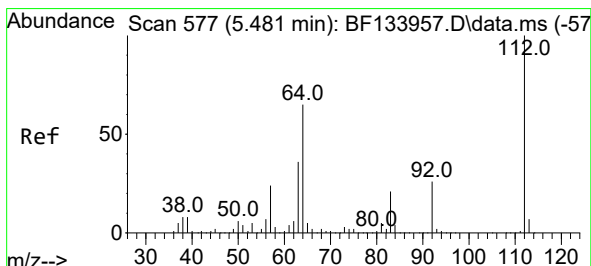
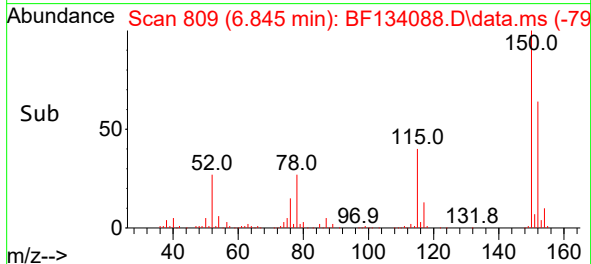
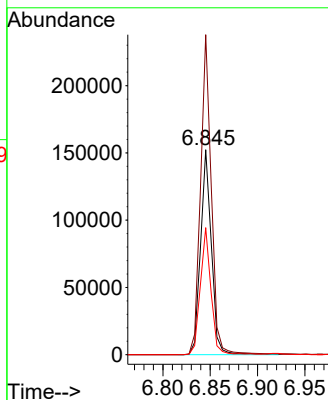
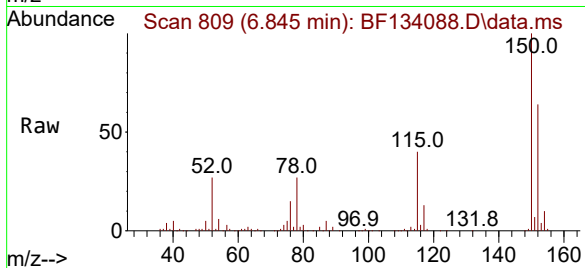




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.845 min Scan# 810  
 Delta R.T. -0.006 min  
 Lab File: BF134088.D  
 Acq: 06 Jul 2023 03:23

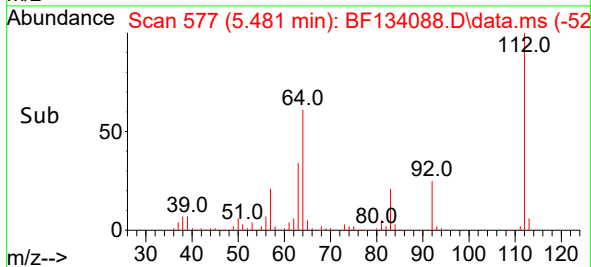
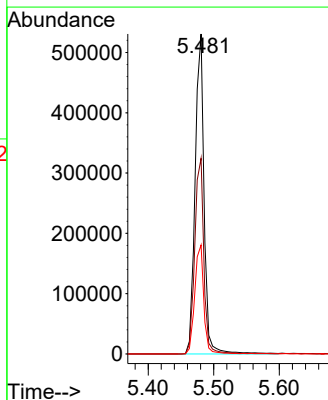
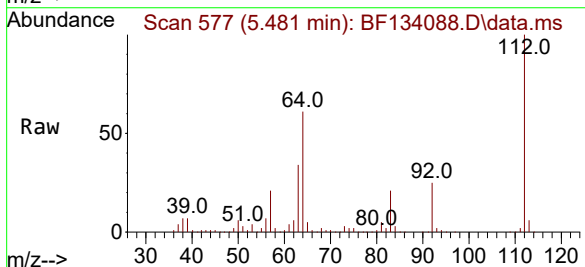
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CMC-EME-TOPSOIL-015

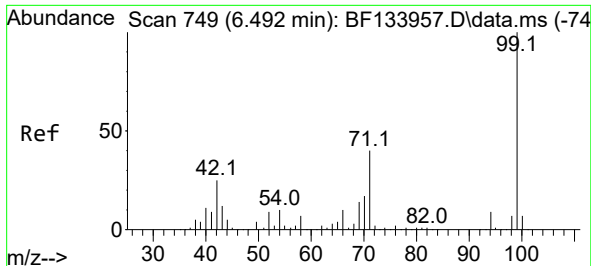
Tgt Ion:152 Resp: 121298  
 Ion Ratio Lower Upper  
 152 100  
 150 156.1 124.5 186.7  
 115 62.0 50.2 75.2



#5  
 2-Fluorophenol  
 Concen: 69.898 ng  
 RT: 5.481 min Scan# 577  
 Delta R.T. -0.006 min  
 Lab File: BF134088.D  
 Acq: 06 Jul 2023 03:23

Tgt Ion:112 Resp: 506851  
 Ion Ratio Lower Upper  
 112 100  
 64 61.2 52.1 78.1  
 63 34.1 28.6 42.8

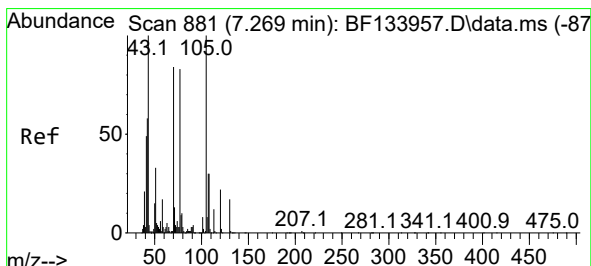
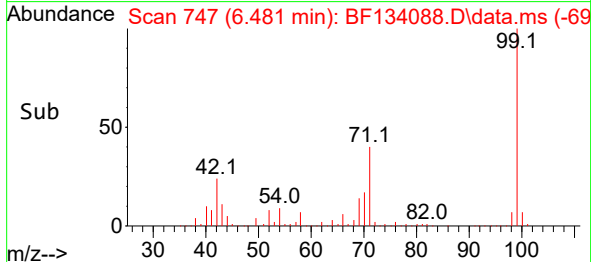
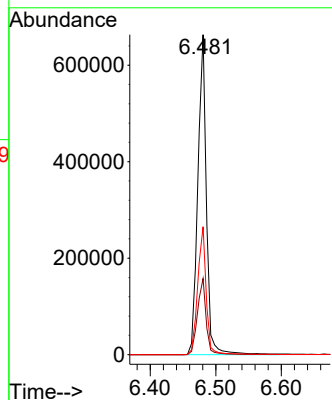
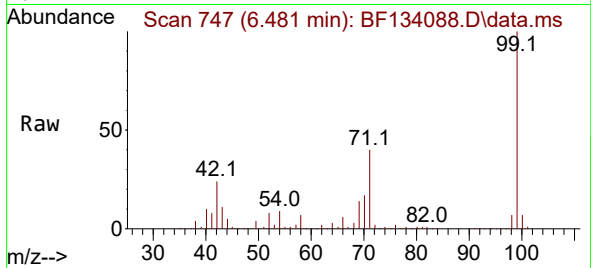




#7  
Phenol-d6  
Concen: 68.067 ng  
RT: 6.481 min Scan# 74  
Delta R.T. -0.012 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

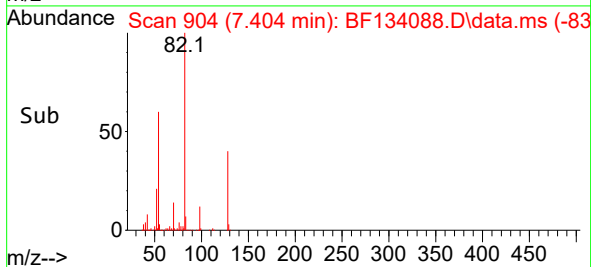
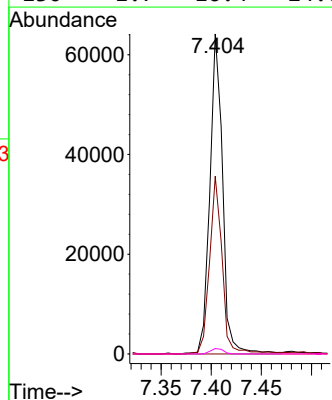
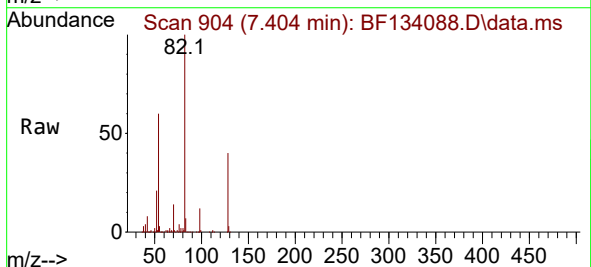
Instrument :  
BNA\_F  
ClientSampleId :  
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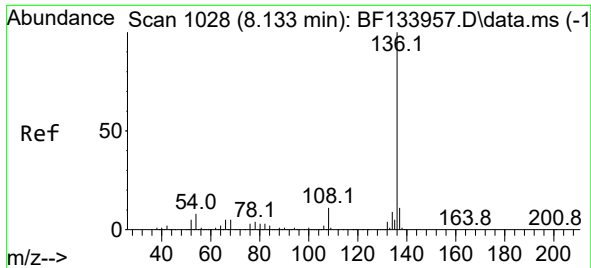
Tgt Ion: 99 Resp: 607001  
Ion Ratio Lower Upper  
99 100  
42 23.8 19.8 29.6  
71 40.0 31.9 47.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.071 ng  
RT: 7.404 min Scan# 904  
Delta R.T. 0.135 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

Tgt Ion: 70 Resp: 56953  
Ion Ratio Lower Upper  
70 100  
42 55.6 54.7 82.1  
101 0.0 7.7 11.5#  
130 1.7 16.4 24.6#

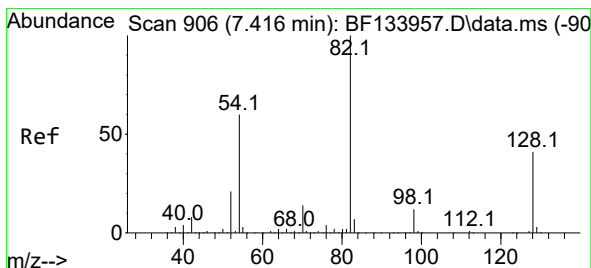
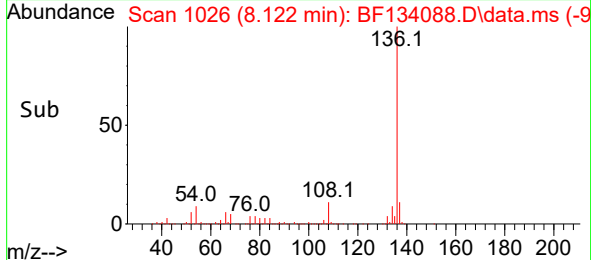
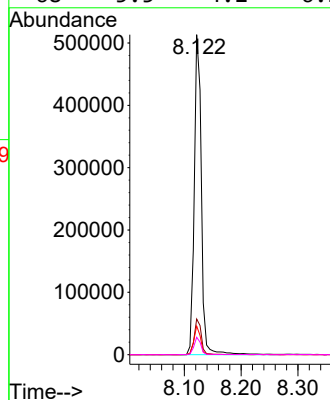
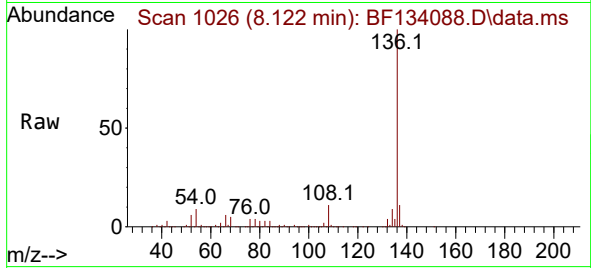




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.012 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

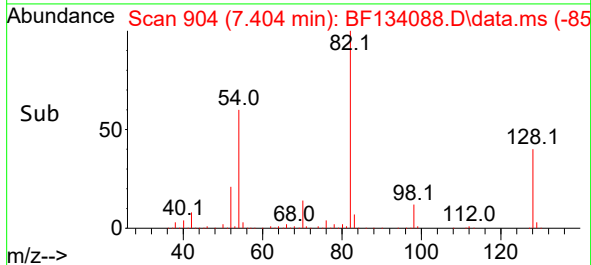
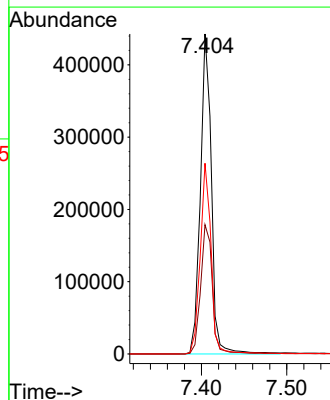
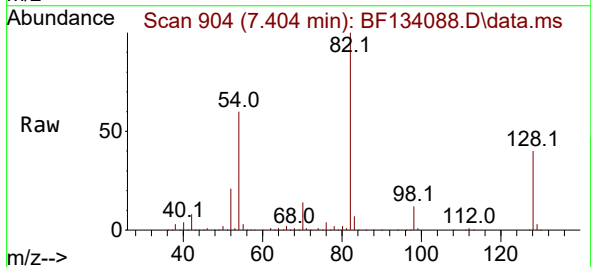
Instrument :  
BNA\_F  
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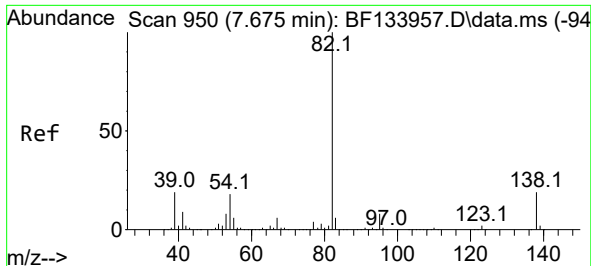
Tgt Ion:136 Resp: 447334  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 12.8  
54 8.9 6.5 9.7  
68 5.5 4.2 6.2



#23  
Nitrobenzene-d5  
Concen: 47.970 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.018 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

Tgt Ion: 82 Resp: 398077  
Ion Ratio Lower Upper  
82 100  
128 40.4 32.5 48.7  
54 59.6 48.2 72.2

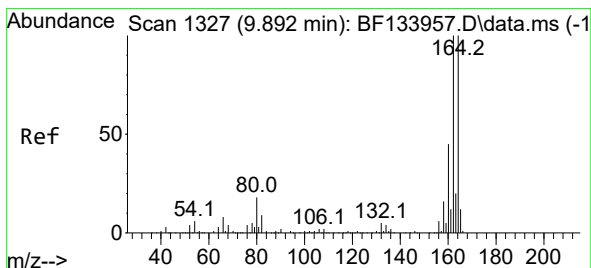
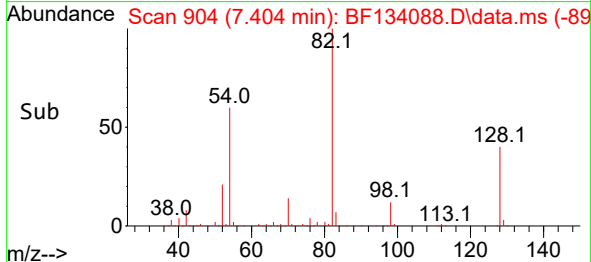
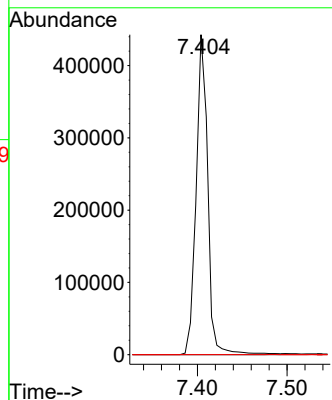
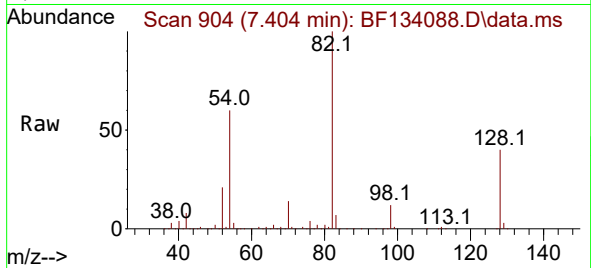




#25  
Isophorone  
Concen: 26.394 ng  
RT: 7.404 min Scan# 90  
Delta R.T. -0.271 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

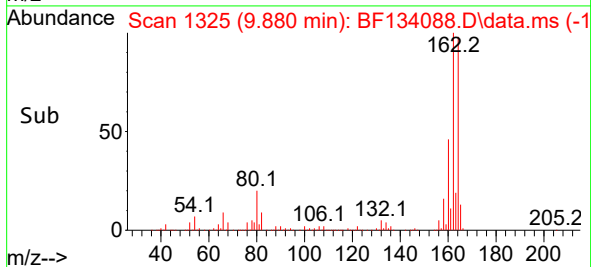
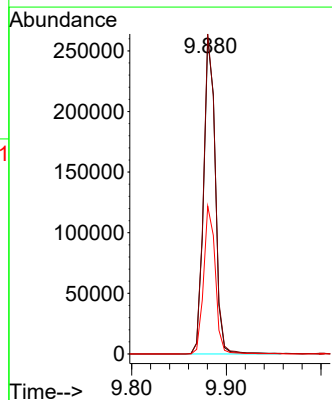
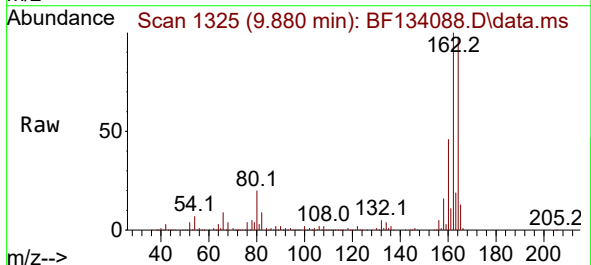
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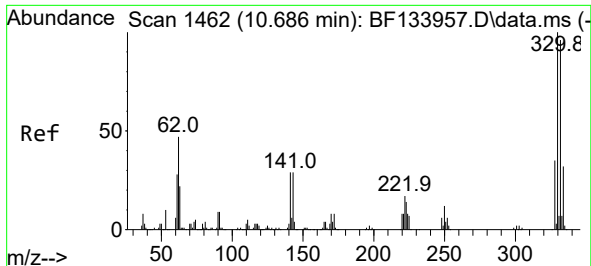
Tgt Ion: 82 Resp: 398071  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.1 9.1#  
138 0.0 15.2 22.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. -0.012 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

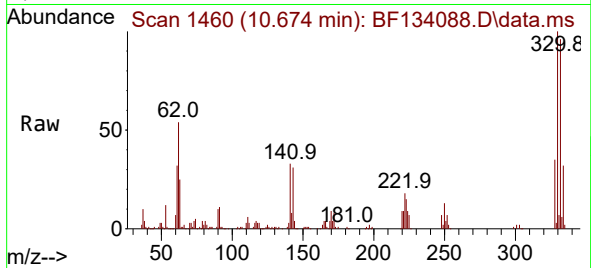
Tgt Ion:164 Resp: 223556  
Ion Ratio Lower Upper  
164 100  
162 101.6 80.0 120.0  
160 46.9 35.9 53.9



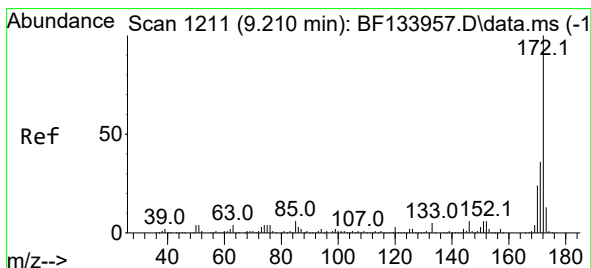
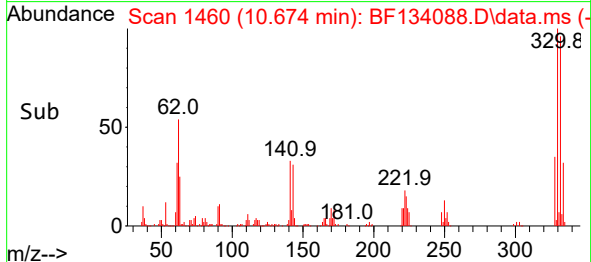
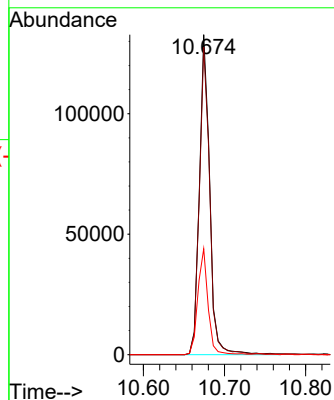


#42  
2,4,6-Tribromophenol  
Concen: 42.021 ng  
RT: 10.674 min Scan# 1460  
Delta R.T. -0.012 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

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ClientSampleId :  
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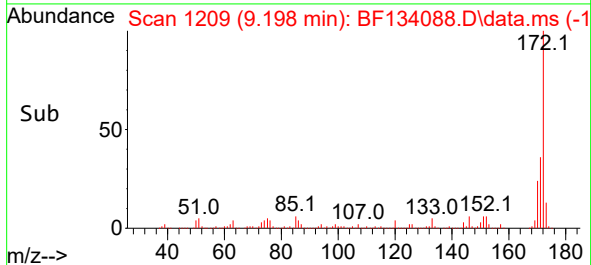
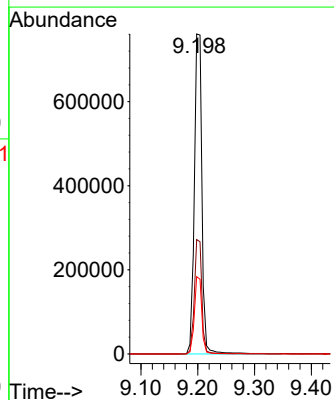
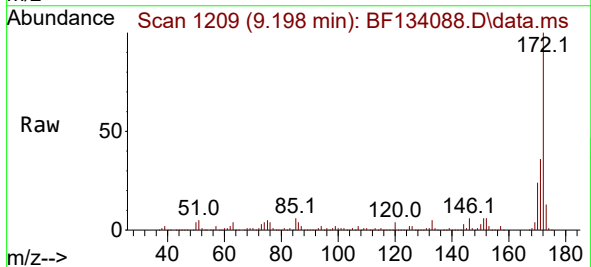


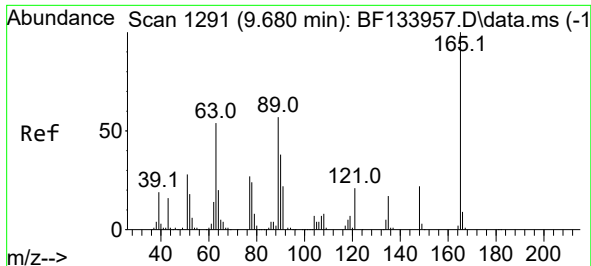
Tgt Ion:330 Resp: 117783  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.0 115.6  
141 32.7 26.3 39.5



#45  
2-Fluorobiphenyl  
Concen: 46.211 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.012 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

Tgt Ion:172 Resp: 710563  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.6 43.0  
170 24.1 19.4 29.0

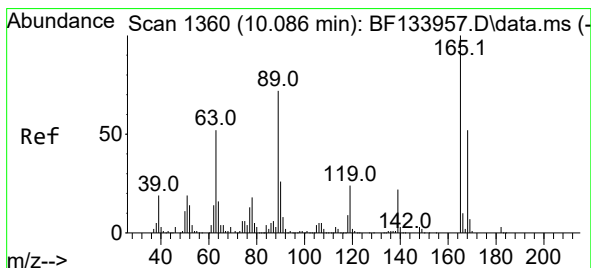
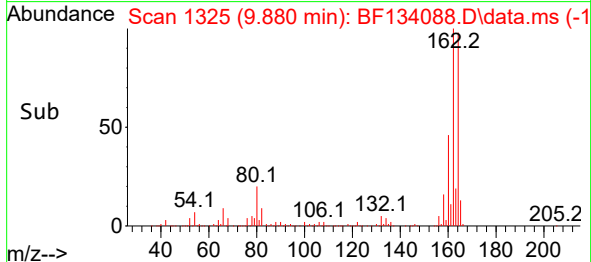
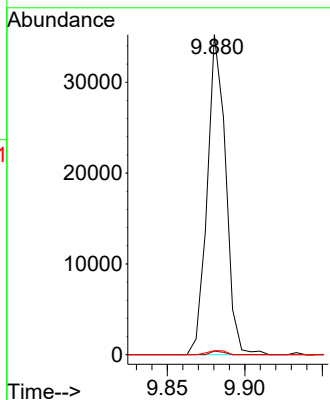
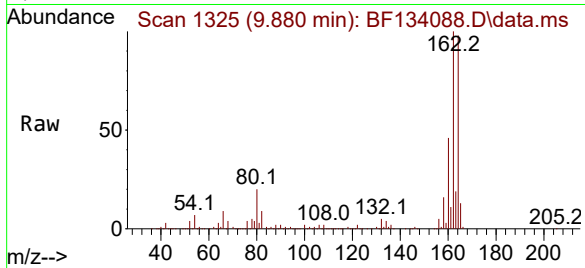




#51  
2,6-Dinitrotoluene  
Concen: 8.351 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. 0.200 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

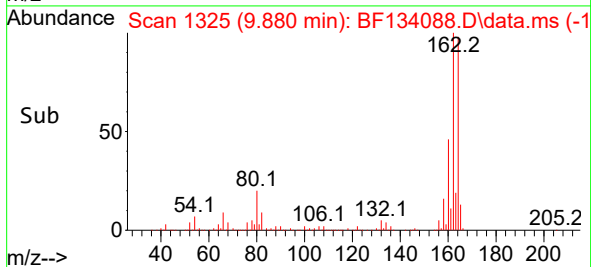
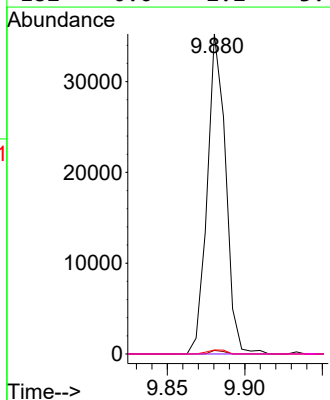
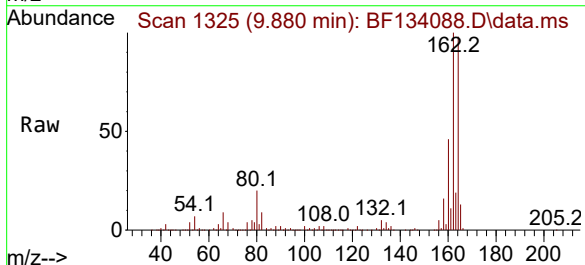
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:165 Resp: 29187  
Ion Ratio Lower Upper  
165 100  
63 1.1 48.5 72.7#  
89 1.3 45.5 68.3#

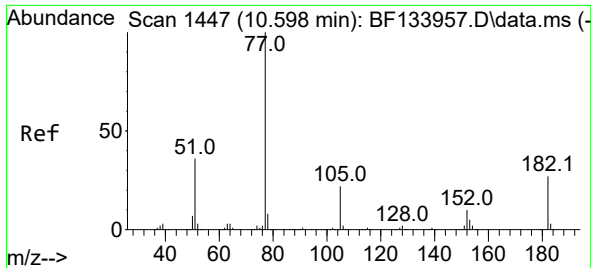


#57  
2,4-Dinitrotoluene  
Concen: 6.323 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. -0.206 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

Tgt Ion:165 Resp: 29187  
Ion Ratio Lower Upper  
165 100  
63 1.1 42.2 63.2#  
89 1.3 57.4 86.2#  
182 0.0 2.2 3.4#



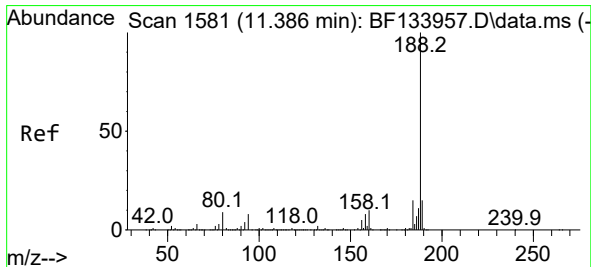
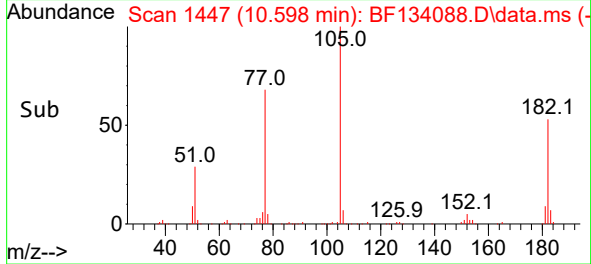
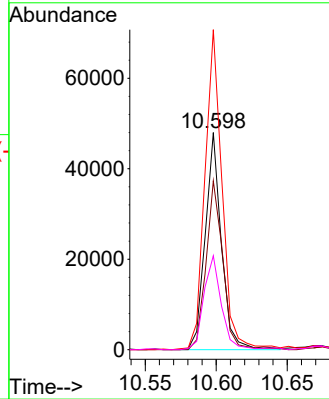
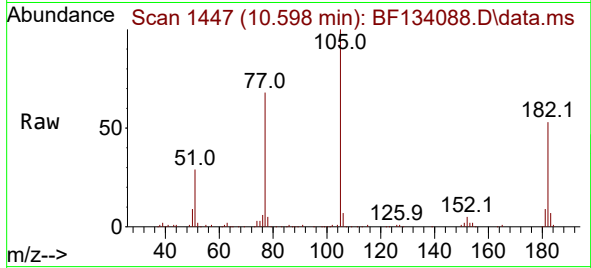




#63  
Azobenzene  
Concen: 2.397 ng  
RT: 10.598 min Scan# 1447  
Delta R.T. -0.000 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

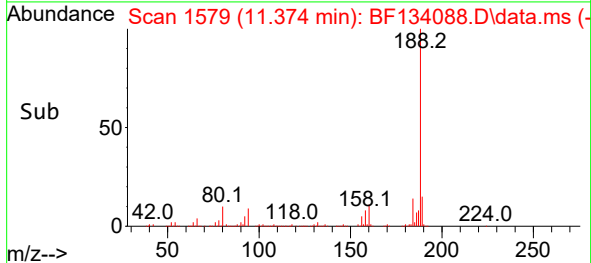
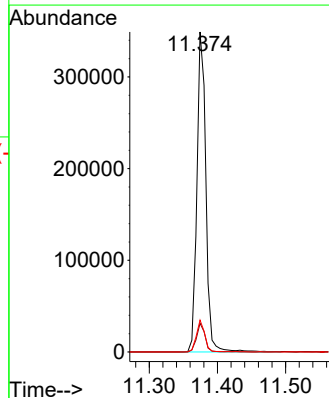
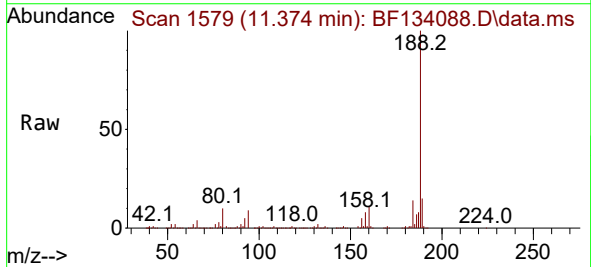
Instrument :  
BNA\_F  
ClientSampleId :  
CMC-EME-TOPSOIL-015

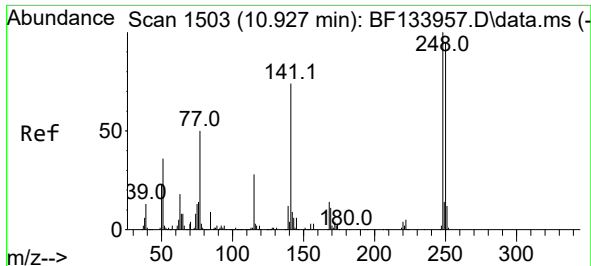
Tgt Ion: 77 Resp: 38331  
Ion Ratio Lower Upper  
77 100  
182 77.8 6.8 46.8#  
105 147.4 2.3 42.3#  
51 43.3 16.2 56.2



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.374 min Scan# 1579  
Delta R.T. -0.012 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

Tgt Ion:188 Resp: 315597  
Ion Ratio Lower Upper  
188 100  
94 9.0 6.4 9.6  
80 9.9 7.3 10.9

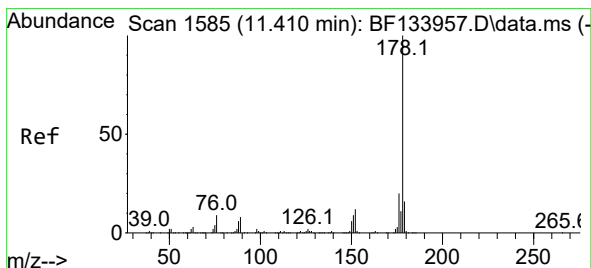
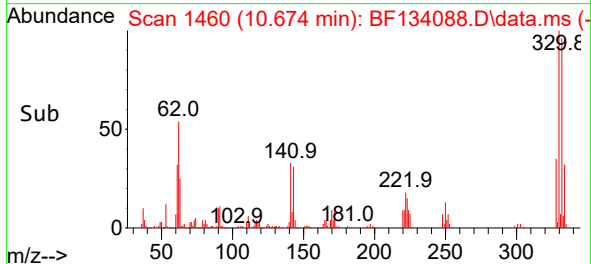
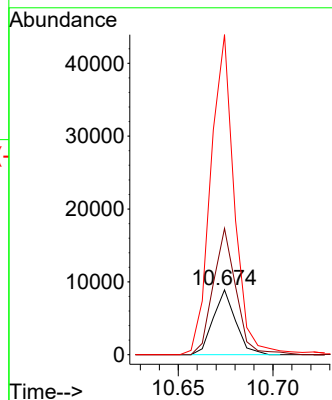
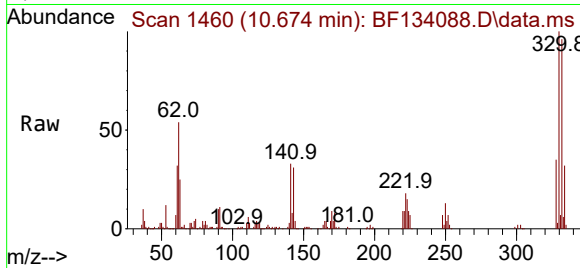




#67  
4-Bromophenyl-phenylether  
Concen: 2.191 ng  
RT: 10.674 min Scan# 1460  
Delta R.T. -0.253 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

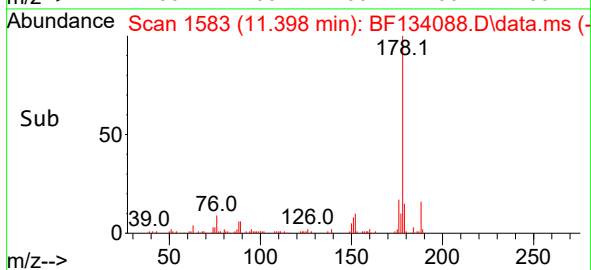
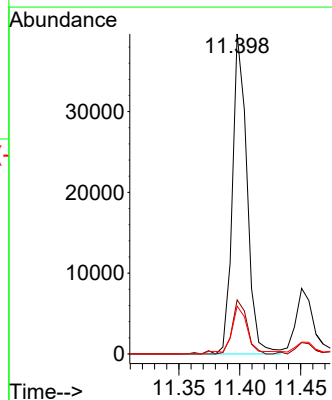
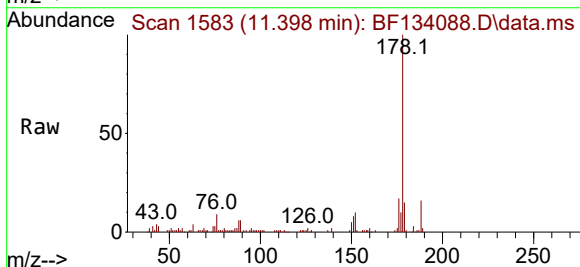
Instrument :  
BNA\_F  
ClientSampleId :  
CMC-EME-TOPSOIL-015

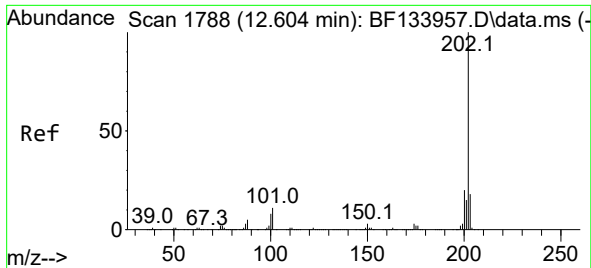
Tgt Ion:248 Resp: 7350  
Ion Ratio Lower Upper  
248 100  
250 194.8 76.2 114.4#  
141 493.4 59.0 88.4#



#71  
Phenanthrene  
Concen: 2.085 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. -0.012 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

Tgt Ion:178 Resp: 33121  
Ion Ratio Lower Upper  
178 100  
176 16.9 16.0 24.0  
179 14.9 12.4 18.6

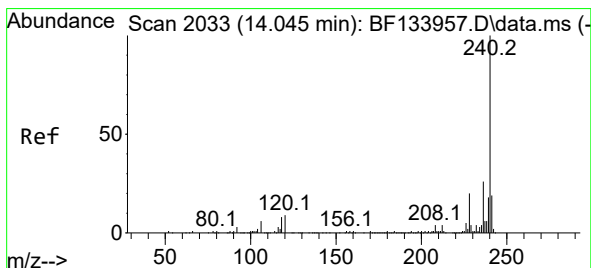
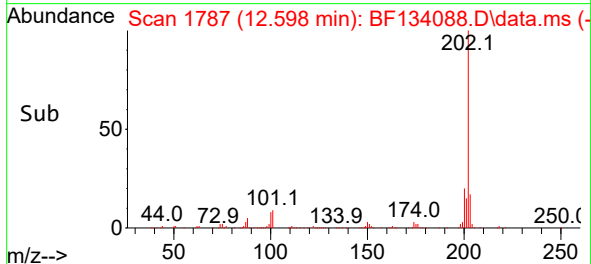
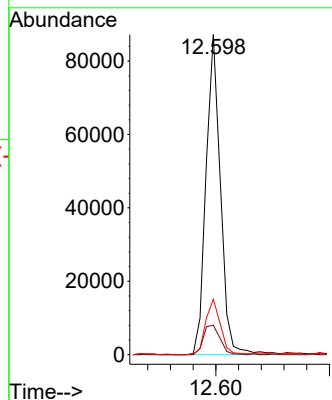
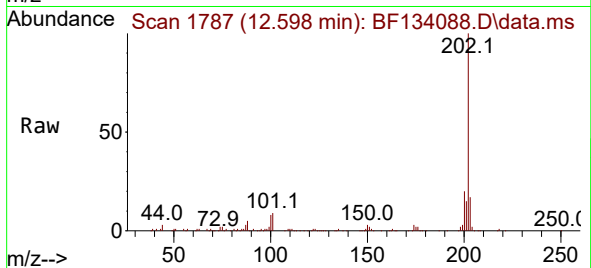




#75  
Fluoranthene  
Concen: 4.485 ng  
RT: 12.598 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

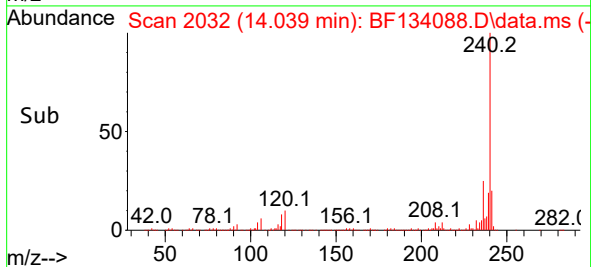
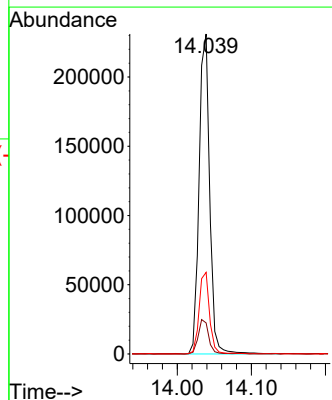
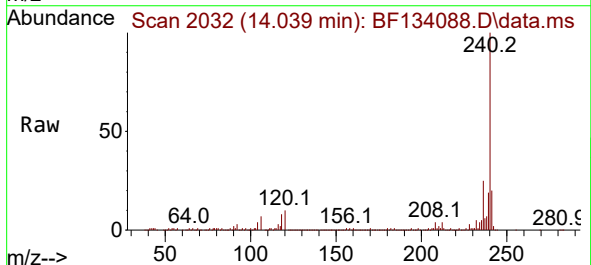
Instrument :  
BNA\_F  
ClientSampleId :  
CMC-EME-TOPSOIL-015

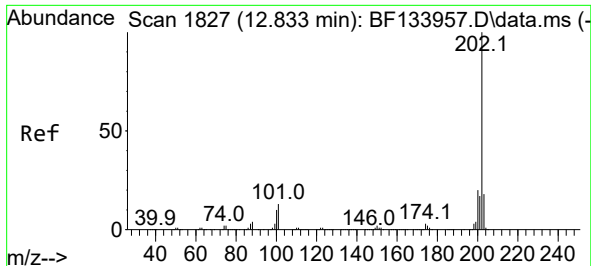
Tgt Ion:202 Resp: 77034  
Ion Ratio Lower Upper  
202 100  
101 9.2 0.0 31.0  
203 17.3 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.012 min  
Lab File: BF134088.D  
Acq: 06 Jul 2023 03:23

Tgt Ion:240 Resp: 228095  
Ion Ratio Lower Upper  
240 100  
120 9.7 7.4 11.0  
236 25.5 21.0 31.6

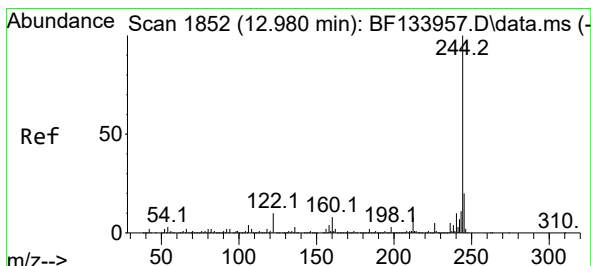
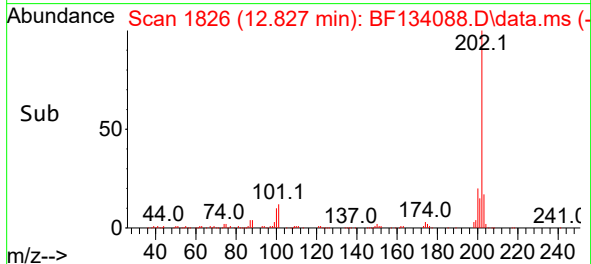
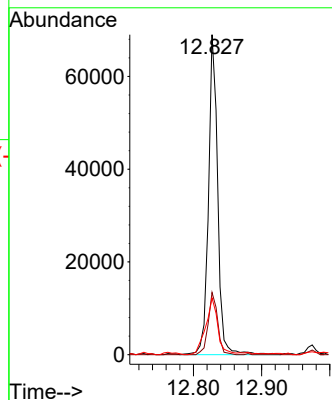
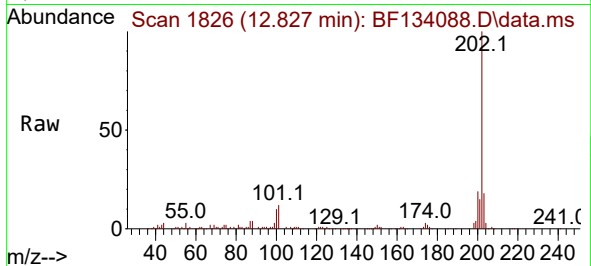




#78  
 Pyrene  
 Concen: 3.070 ng  
 RT: 12.827 min Scan# 1826  
 Delta R.T. -0.012 min  
 Lab File: BF134088.D  
 Acq: 06 Jul 2023 03:23

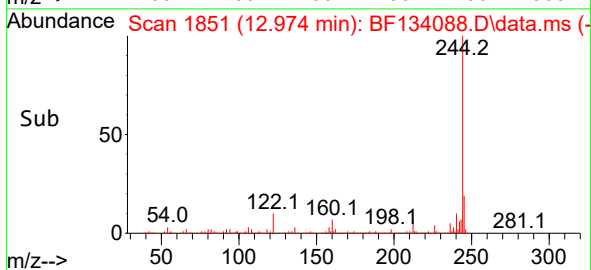
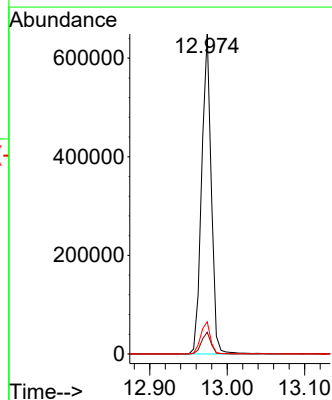
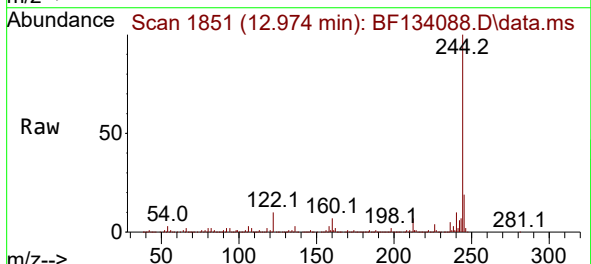
Instrument :  
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 ClientSampleId :  
 CMC-EME-TOPSOIL-015

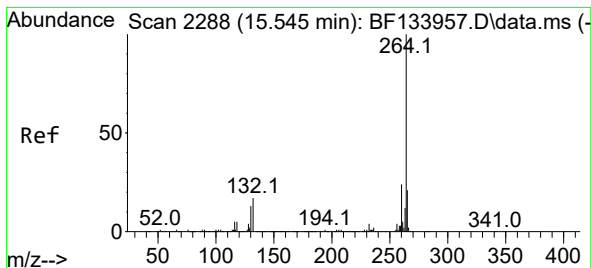
Tgt Ion:202 Resp: 65170  
 Ion Ratio Lower Upper  
 202 100  
 200 19.5 16.1 24.1  
 203 17.7 14.3 21.5



#79  
 Terphenyl-d14  
 Concen: 39.425 ng  
 RT: 12.974 min Scan# 1851  
 Delta R.T. -0.012 min  
 Lab File: BF134088.D  
 Acq: 06 Jul 2023 03:23

Tgt Ion:244 Resp: 558751  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.0 9.0  
 122 10.1 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134088.D

Acq: 06 Jul 2023 03:23

Instrument :

BNA\_F

ClientSampleId :

CMC-EME-TOPSOIL-015

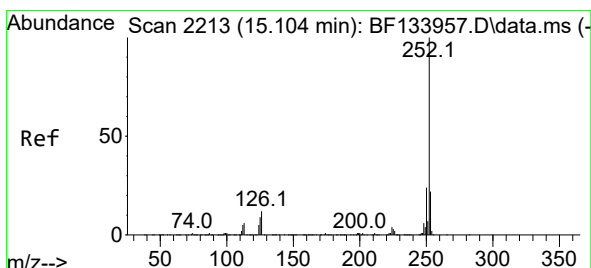
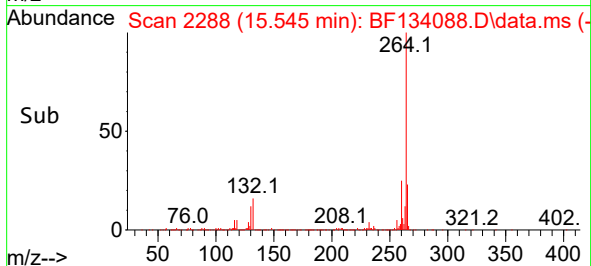
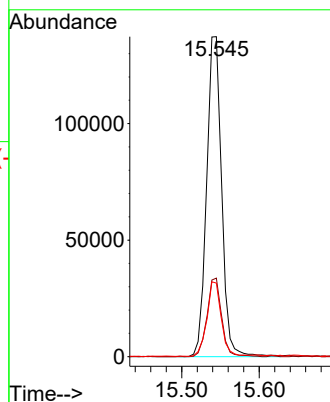
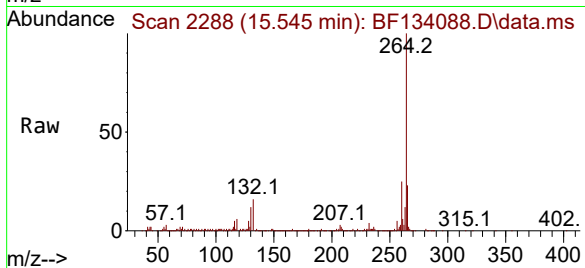
Tgt Ion:264 Resp: 185096

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 23.0 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 3.513 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF134088.D

Acq: 06 Jul 2023 03:23

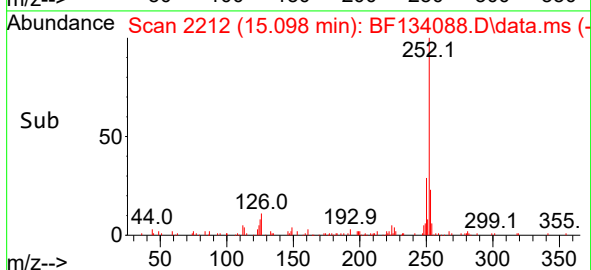
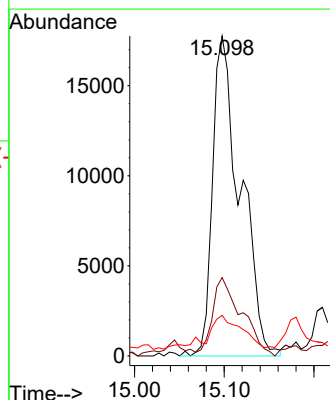
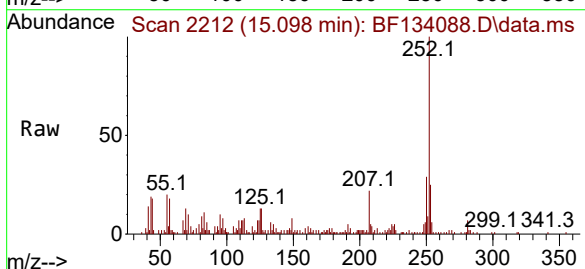
Tgt Ion:252 Resp: 38238

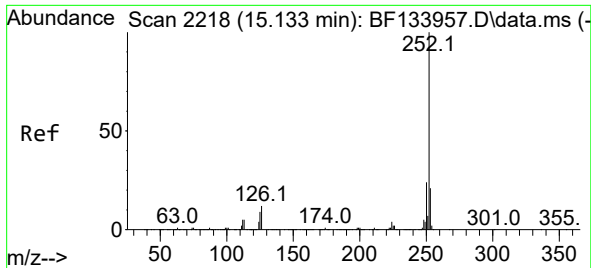
Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.0

125 12.7 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 3.451 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF134088.D

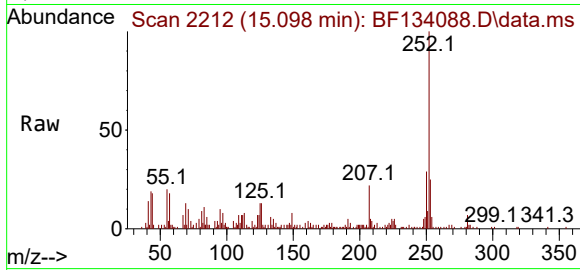
Acq: 06 Jul 2023 03:23

Instrument :

BNA\_F

ClientSampleId :

CMC-EME-TOPSOIL-015



Tgt Ion:252 Resp: 38238

Ion Ratio Lower Upper

252 100

253 24.5 16.9 25.3

125 12.7 7.4 11.2#

