

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112222\  
 Data File : BF131352.D  
 Acq On : 23 Nov 2022 03:03  
 Operator : CG\JU  
 Sample : N5641-09  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-PILE-9

Quant Time: Nov 23 04:23:20 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 22 01:17:52 2022  
 Response via : Initial Calibration

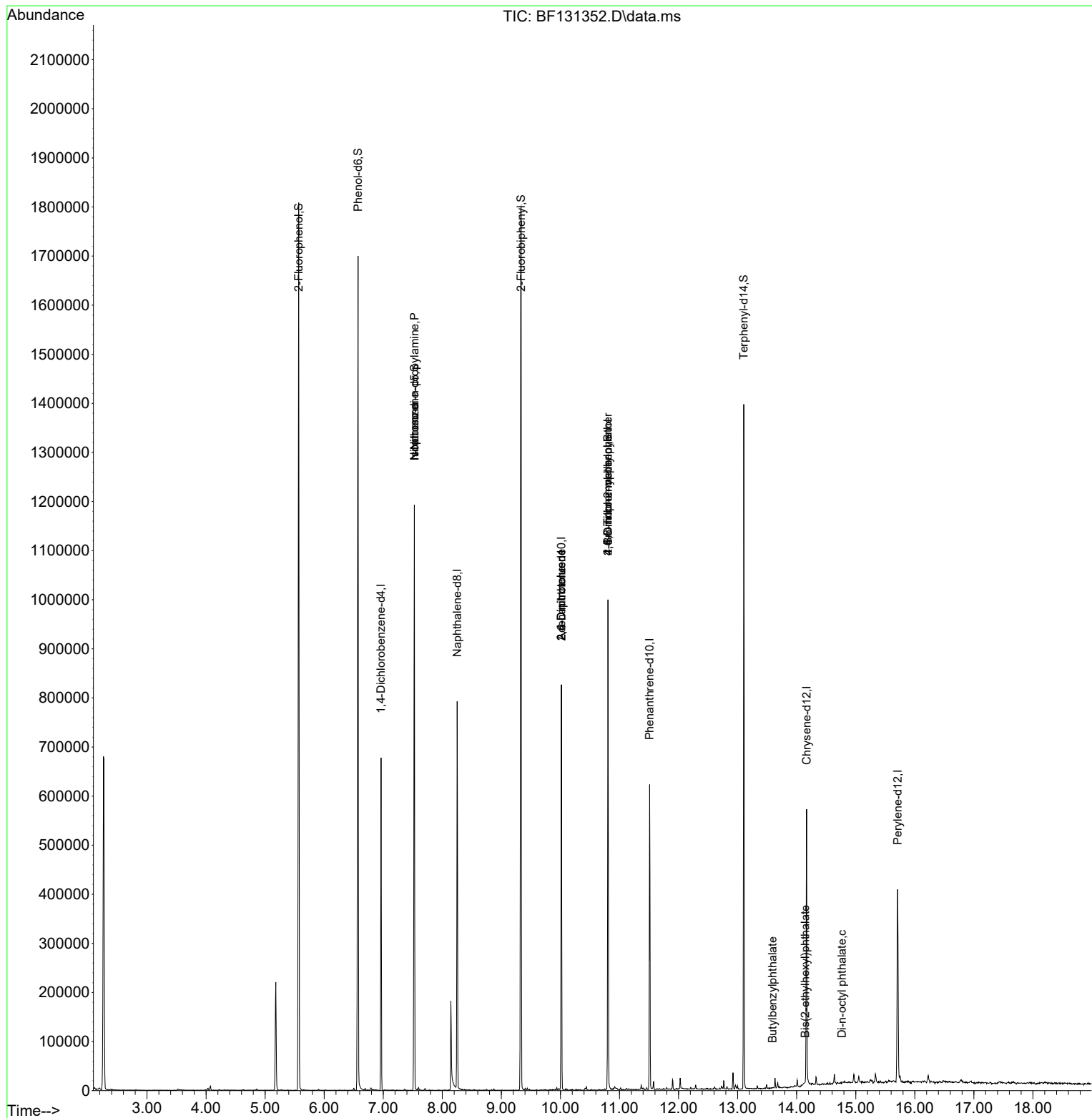
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.963  | 152  | 83679    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.251  | 136  | 295302   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.016 | 164  | 149525   | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.510 | 188  | 214131   | 20.000    | ng    | -0.01    |
| 76) Chrysene-d12              | 14.168 | 240  | 180582   | 20.000    | ng    | -0.01    |
| 86) Perylene-d12              | 15.710 | 264  | 188266   | 20.000    | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.569  | 112  | 408384   | 92.884    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.575  | 99   | 500481   | 89.217    | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.528  | 82   | 316309   | 53.995    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.804 | 330  | 96628    | 76.813    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.334  | 172  | 569080   | 55.369    | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.104 | 244  | 450728   | 40.816    | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.575  | 77   | 891      | Below Cal | #     | 4        |
| 19) n-Nitroso-di-n-propyla... | 7.528  | 70   | 43073    | 10.489    | ng    | # 73     |
| 25) Isophorone                | 7.528  | 82   | 316301   | 30.264    | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 10.016 | 165  | 19150    | 9.192     | ng    | # 14     |
| 57) 2,4-Dinitrotoluene        | 10.016 | 165  | 19150    | 7.305     | ng    | # 18     |
| 65) 4,6-Dinitro-2-methylph... | 10.804 | 198  | 210      | 4.829     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.804 | 248  | 6482     | 2.470     | ng    | # 1      |
| 80) Butylbenzylphthalate      | 13.592 | 149  | 56       | 4.153     | ng    | # 20     |
| 84) Bis(2-ethylhexyl)phtha... | 14.145 | 149  | 900      | 3.866     | ng    | # 96     |
| 85) Di-n-octyl phthalate      | 14.768 | 149  | 569      | 3.966     | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

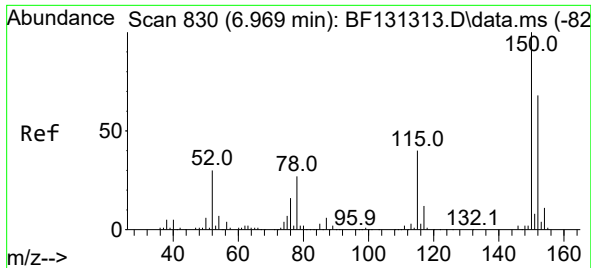
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 22 01:17:52 2022  
Response via : Initial Calibration

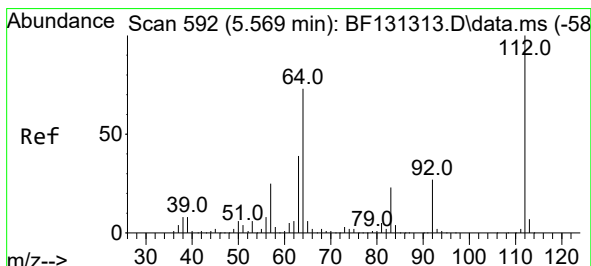
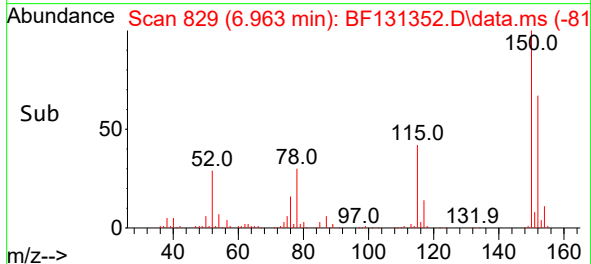
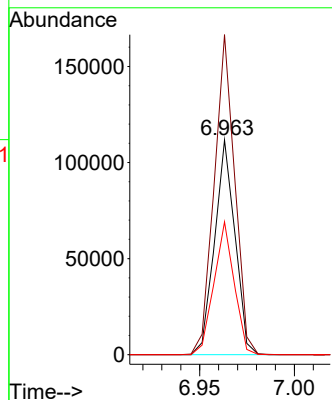
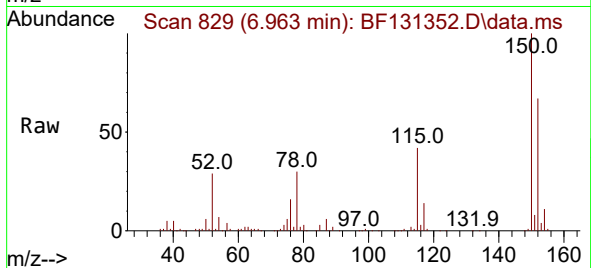




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.963 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

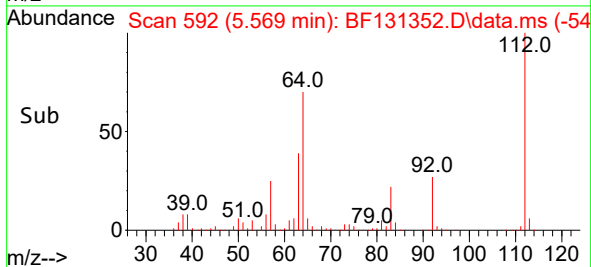
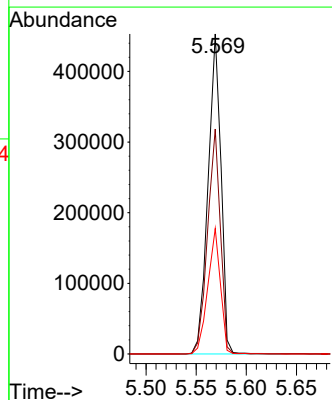
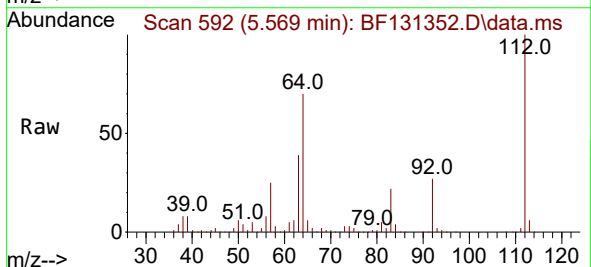
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-PILE-9

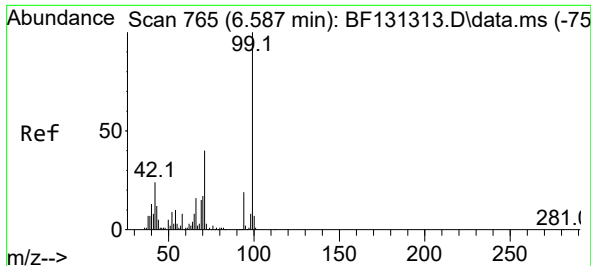
Tgt Ion:152 Resp: 83679  
Ion Ratio Lower Upper  
152 100  
150 149.1 117.8 176.8  
115 61.9 47.1 70.7



#5  
2-Fluorophenol  
Concen: 92.884 ng  
RT: 5.569 min Scan# 592  
Delta R.T. 0.000 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

Tgt Ion:112 Resp: 408384  
Ion Ratio Lower Upper  
112 100  
64 70.3 58.6 88.0  
63 39.2 31.4 47.0

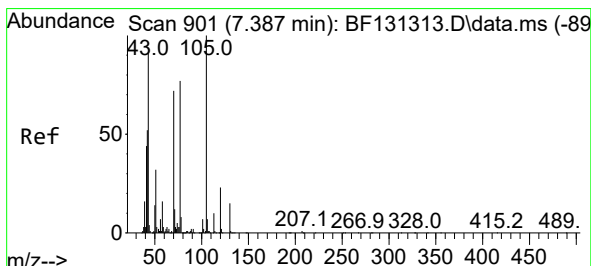
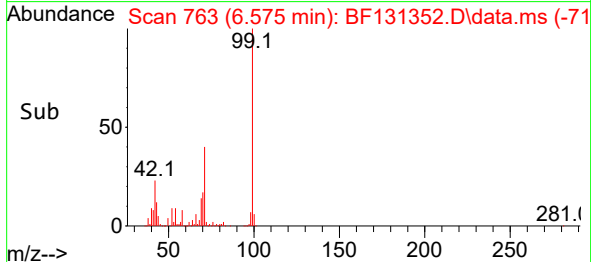
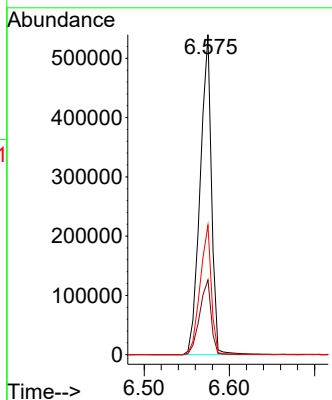
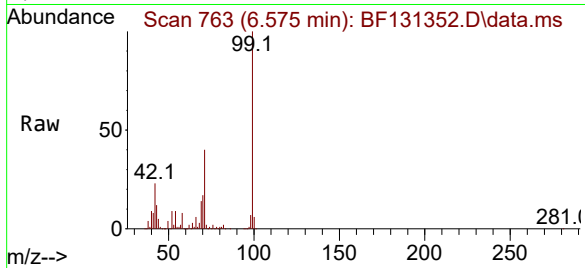




#7  
Phenol-d6  
Concen: 89.217 ng  
RT: 6.575 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

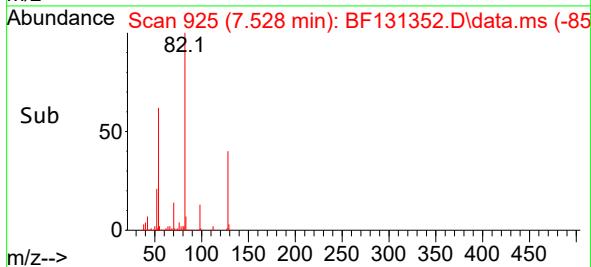
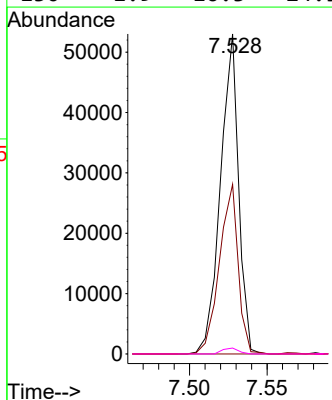
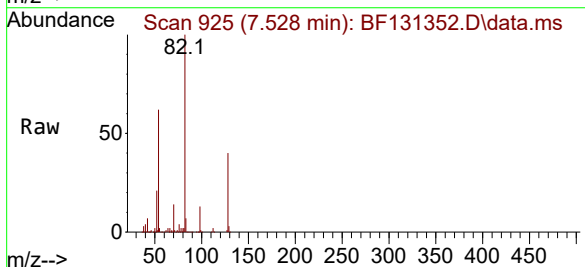
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-PILE-9

Tgt Ion: 99 Resp: 500481  
Ion Ratio Lower Upper  
99 100  
42 23.4 19.4 29.2  
71 40.4 32.3 48.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.489 ng  
RT: 7.528 min Scan# 925  
Delta R.T. 0.141 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

Tgt Ion: 70 Resp: 43073  
Ion Ratio Lower Upper  
70 100  
42 53.0 57.6 86.4#  
101 0.0 8.2 12.2#  
130 1.9 16.3 24.5#



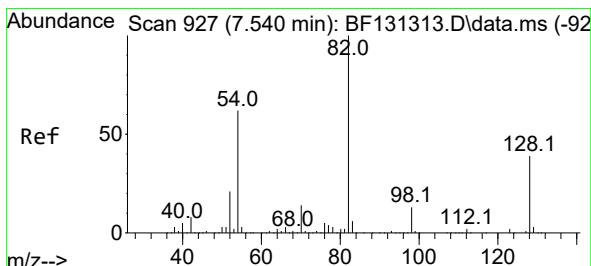
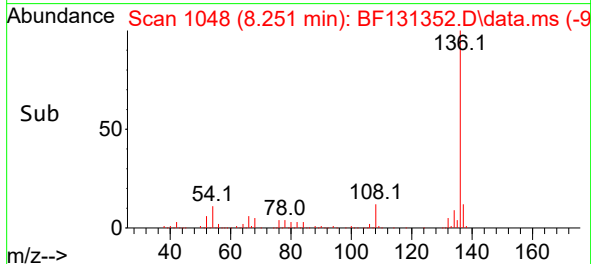
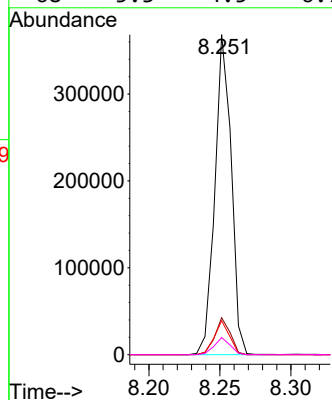
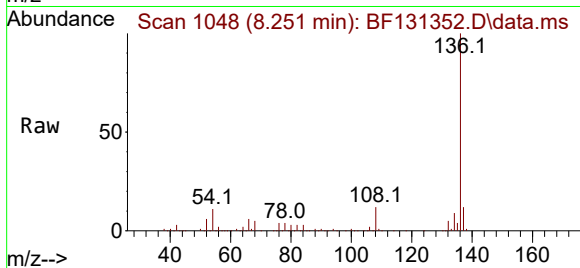


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.251 min Scan# 1048  
Delta R.T. -0.006 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-PILE-9

Tgt Ion:136 Resp: 295302

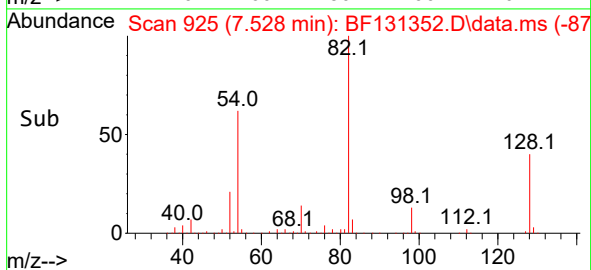
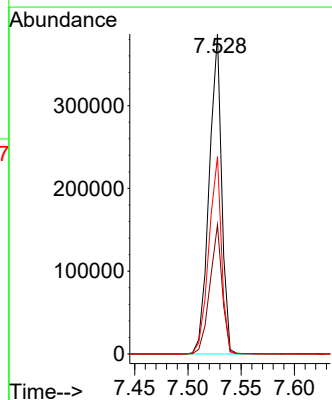
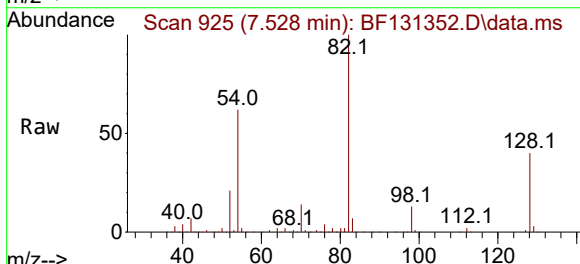
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.6  | 9.0   | 13.6  |
| 54  | 10.6  | 9.4   | 14.0  |
| 68  | 5.3   | 4.5   | 6.7   |



#23  
Nitrobenzene-d5  
Concen: 53.995 ng  
RT: 7.528 min Scan# 925  
Delta R.T. -0.012 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

Tgt Ion: 82 Resp: 316309

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 40.4  | 31.4  | 47.0  |
| 54  | 61.6  | 49.8  | 74.6  |

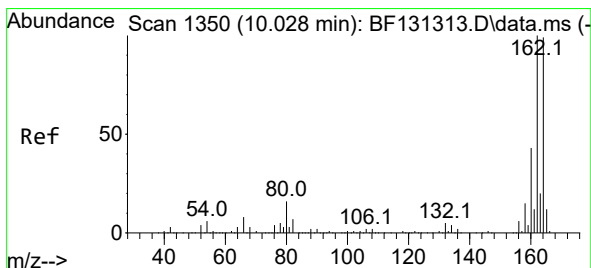
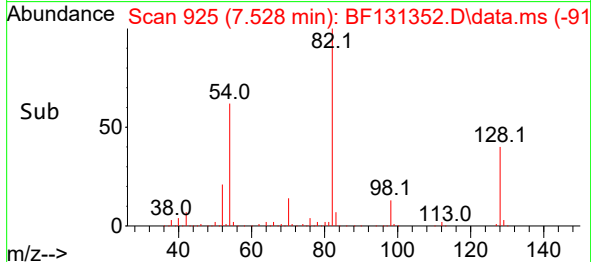
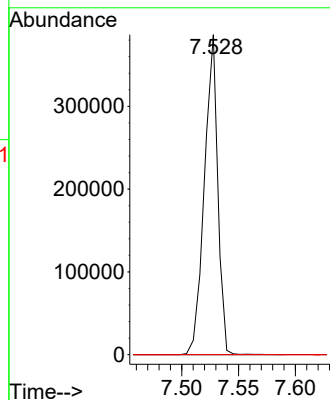
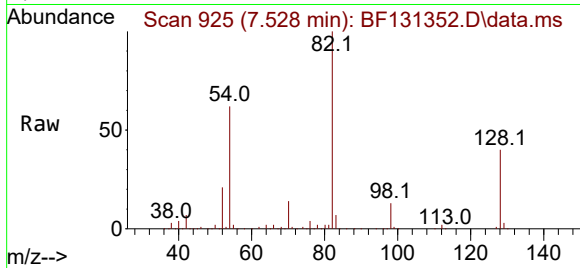




#25  
Isophorone  
Concen: 30.264 ng  
RT: 7.528 min Scan# 91  
Delta R.T. -0.265 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

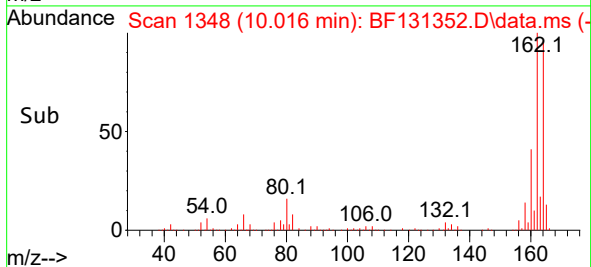
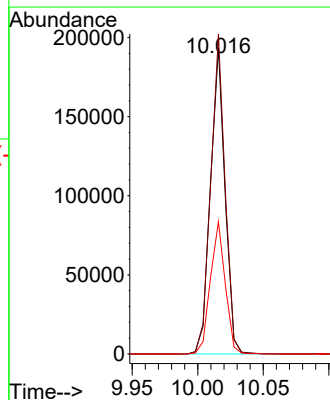
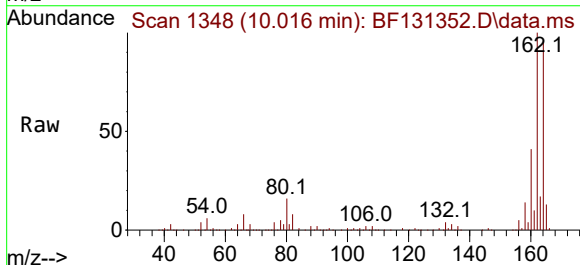
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ClientSampleId :  
SOIL-PILE-9

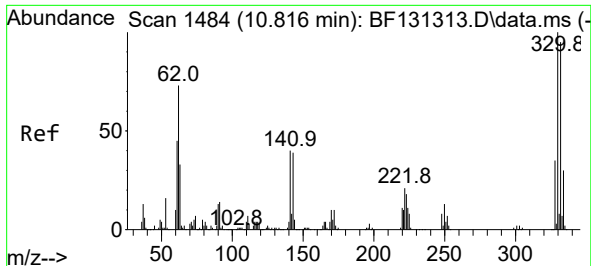
Tgt Ion: 82 Resp: 316301  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.2#  
138 0.0 12.7 19.1#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.016 min Scan# 1348  
Delta R.T. -0.012 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

Tgt Ion: 164 Resp: 149525  
Ion Ratio Lower Upper  
164 100  
162 104.5 80.6 120.8  
160 43.2 34.4 51.6

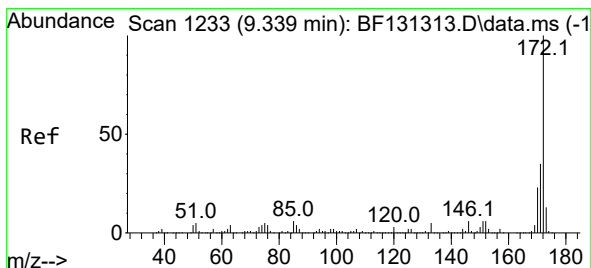
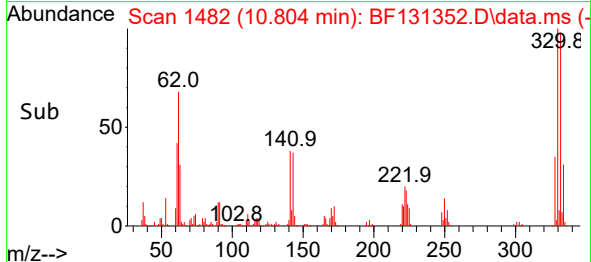
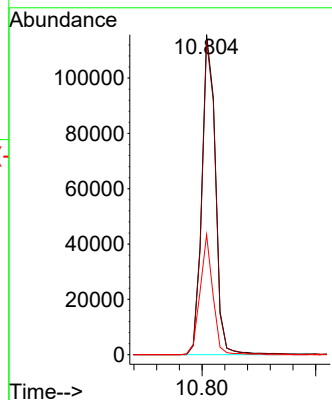
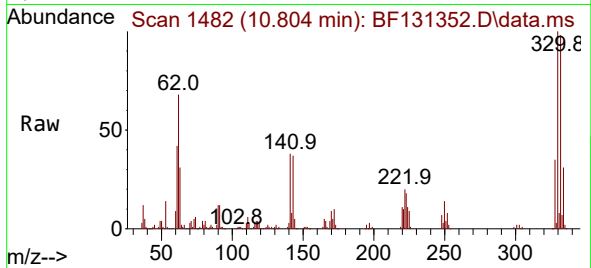




#42  
2,4,6-Tribromophenol  
Concen: 76.813 ng  
RT: 10.804 min Scan# 1482  
Delta R.T. -0.012 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

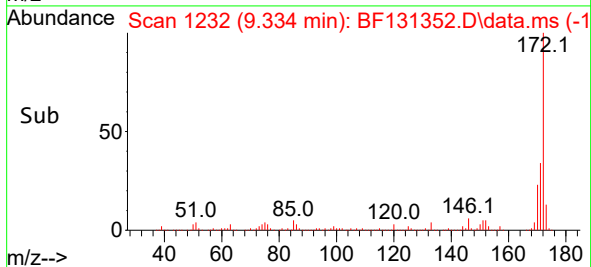
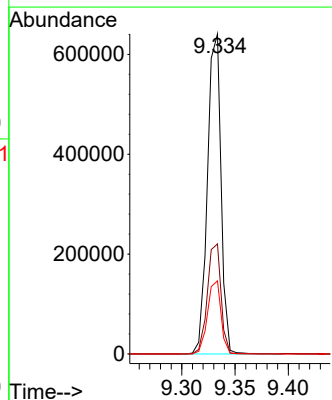
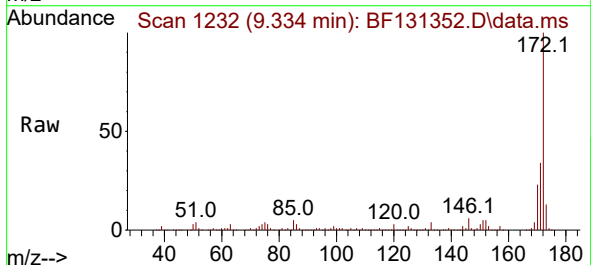
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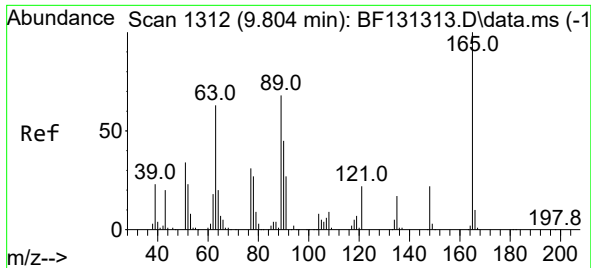
Tgt Ion:330 Resp: 96628  
Ion Ratio Lower Upper  
330 100  
332 98.3 77.5 116.3  
141 35.0 29.3 43.9



#45  
2-Fluorobiphenyl  
Concen: 55.369 ng  
RT: 9.334 min Scan# 1232  
Delta R.T. -0.006 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

Tgt Ion:172 Resp: 569080  
Ion Ratio Lower Upper  
172 100  
171 34.4 28.2 42.2  
170 22.9 18.7 28.1

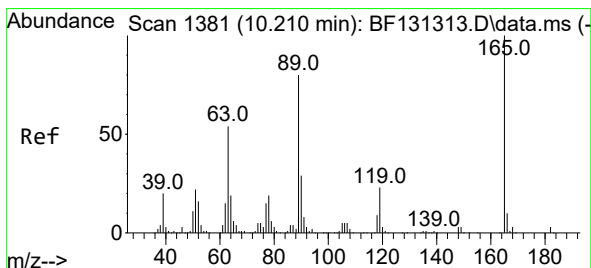
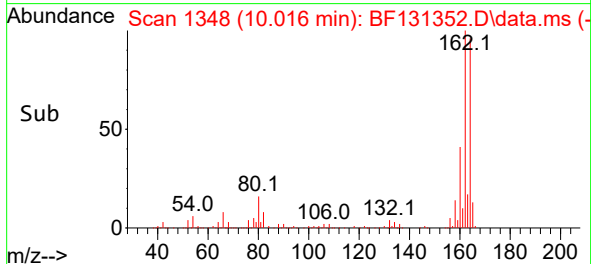
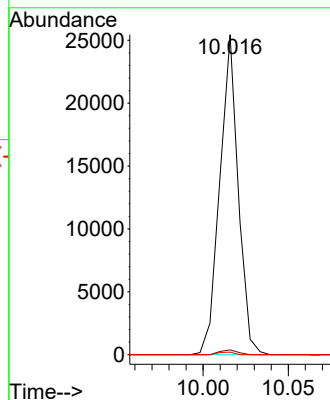
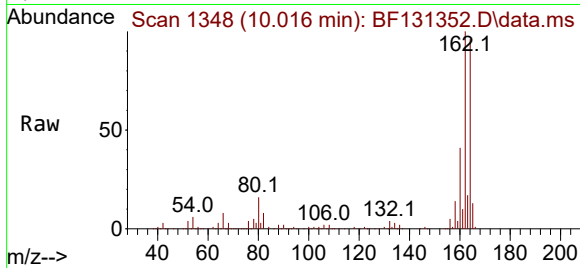




#51  
2,6-Dinitrotoluene  
Concen: 9.192 ng  
RT: 10.016 min Scan# 1312  
Delta R.T. 0.212 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

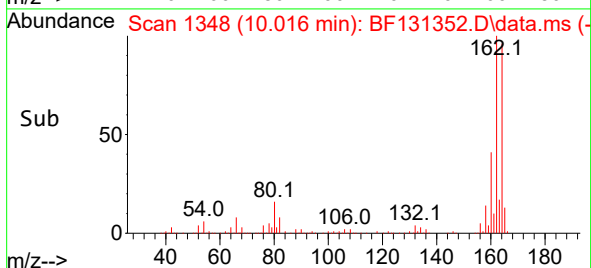
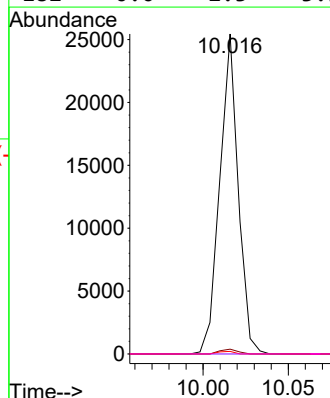
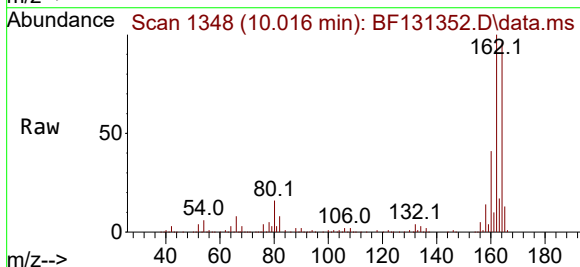
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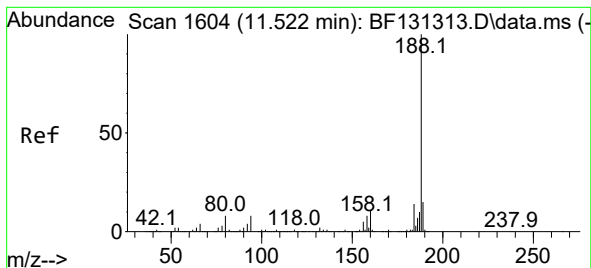
Tgt Ion:165 Resp: 19150  
Ion Ratio Lower Upper  
165 100  
63 1.5 62.0 93.0#  
89 0.8 54.4 81.6#



#57  
2,4-Dinitrotoluene  
Concen: 7.305 ng  
RT: 10.016 min Scan# 1348  
Delta R.T. -0.194 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

Tgt Ion:165 Resp: 19150  
Ion Ratio Lower Upper  
165 100  
63 1.5 43.4 65.2#  
89 0.8 64.0 96.0#  
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.510 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF131352.D

Acq: 23 Nov 2022 03:03

Instrument :

BNA\_F

ClientSampleId :

SOIL-PILE-9

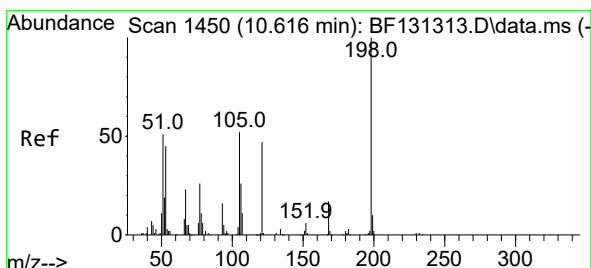
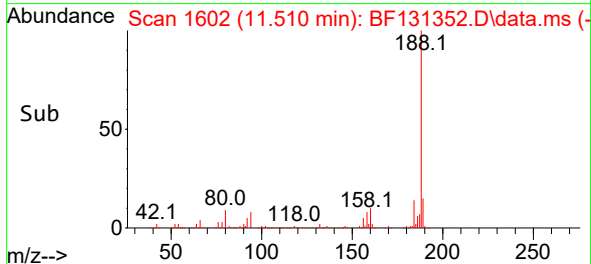
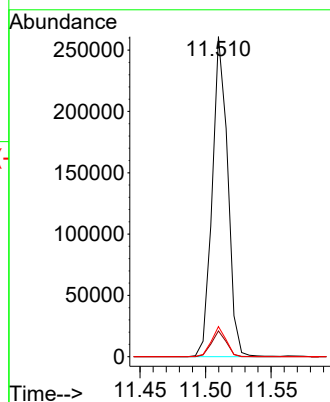
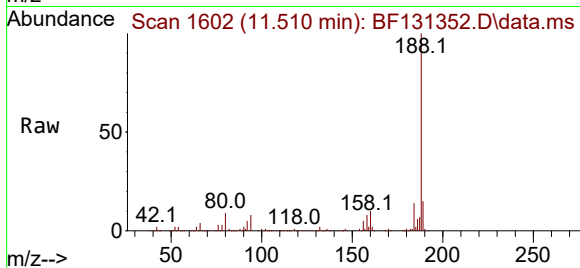
Tgt Ion:188 Resp: 214131

Ion Ratio Lower Upper

188 100

94 8.1 6.3 9.5

80 9.4 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 4.829 ng

RT: 10.804 min Scan# 1482

Delta R.T. 0.188 min

Lab File: BF131352.D

Acq: 23 Nov 2022 03:03

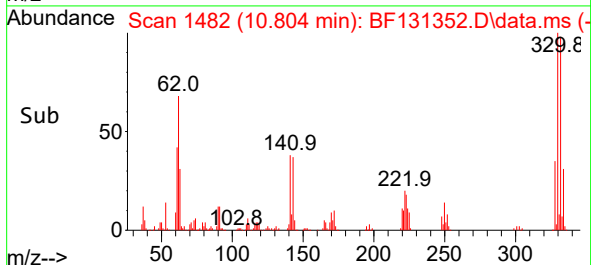
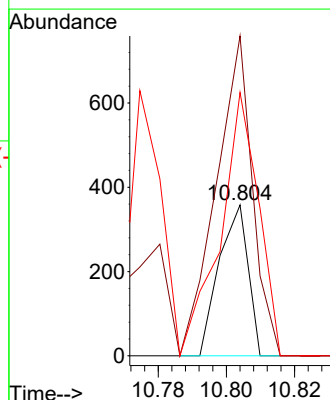
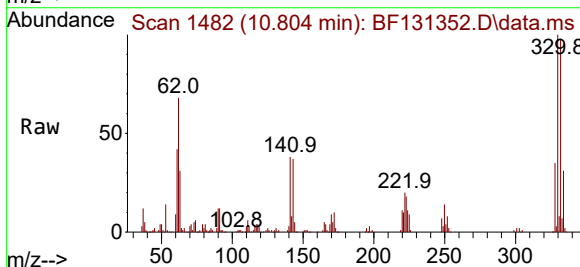
Tgt Ion:198 Resp: 210

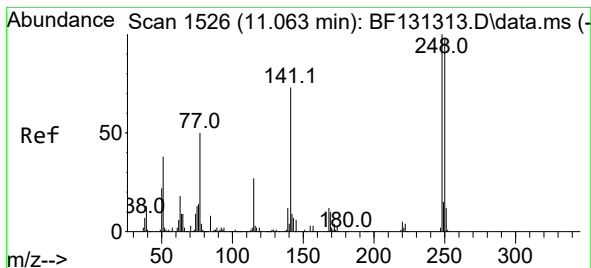
Ion Ratio Lower Upper

198 100

51 212.0 50.1 90.1#

105 174.6 32.5 72.5#

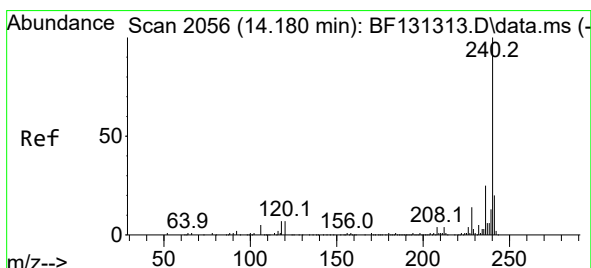
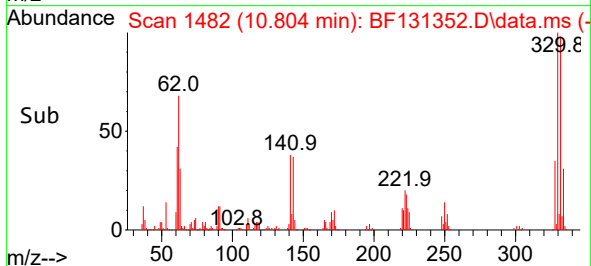
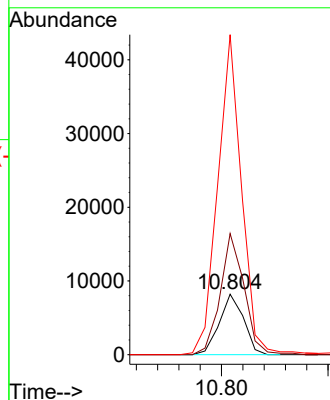
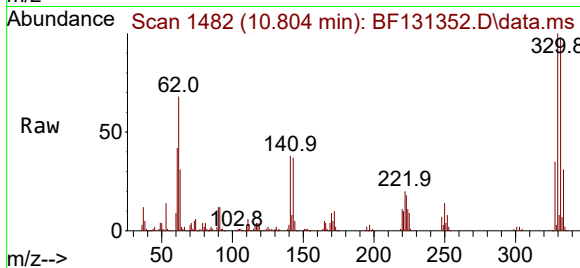




#67  
4-Bromophenyl-phenylether  
Concen: 2.470 ng  
RT: 10.804 min Scan# 14  
Delta R.T. -0.259 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

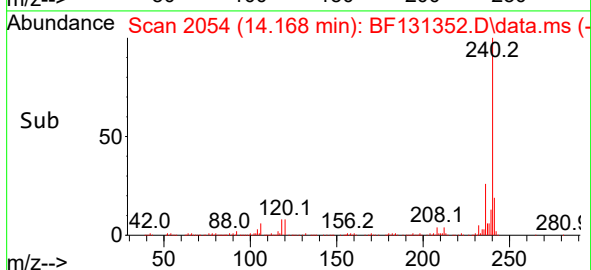
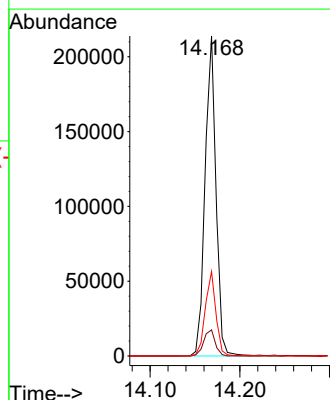
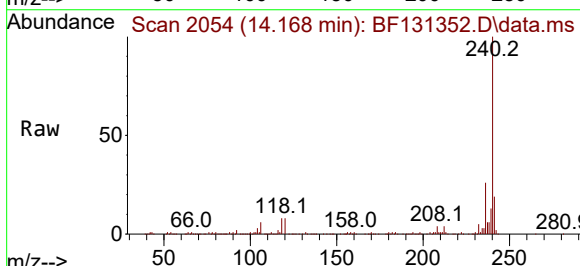
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-PILE-9

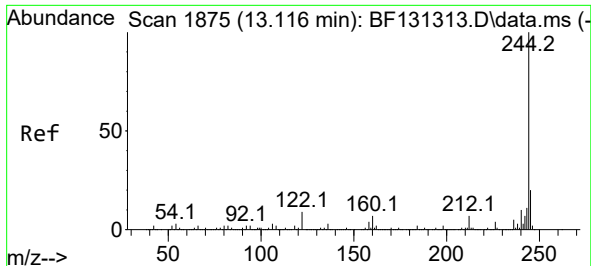
Tgt Ion:248 Resp: 6482  
Ion Ratio Lower Upper  
248 100  
250 200.3 78.3 117.5#  
141 529.0 58.0 87.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.168 min Scan# 2054  
Delta R.T. -0.012 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

Tgt Ion:240 Resp: 180582  
Ion Ratio Lower Upper  
240 100  
120 8.1 5.8 8.8  
236 26.4 20.3 30.5

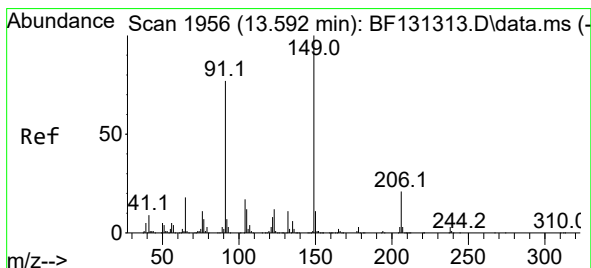
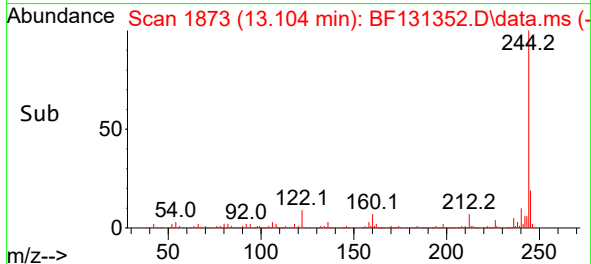
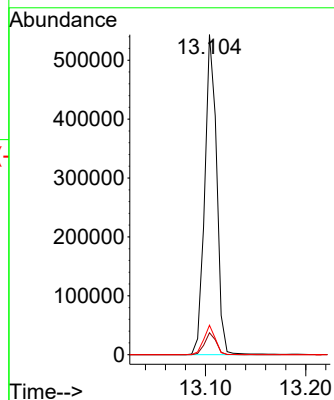
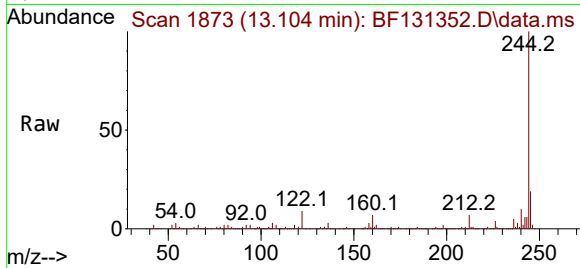




#79  
 Terphenyl-d14  
 Concen: 40.816 ng  
 RT: 13.104 min Scan# 1875  
 Delta R.T. -0.012 min  
 Lab File: BF131352.D  
 Acq: 23 Nov 2022 03:03

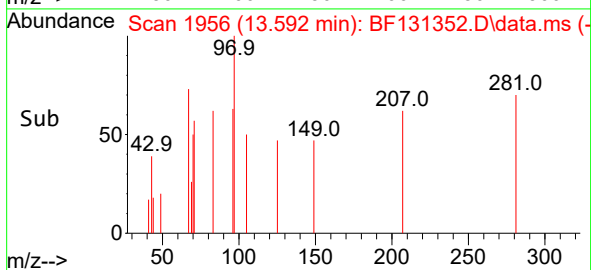
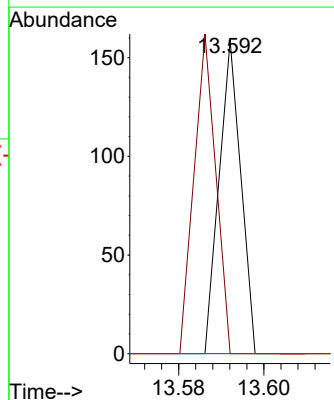
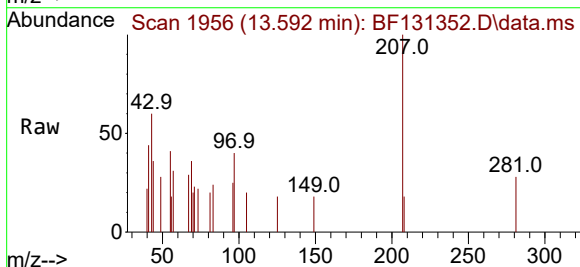
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-PILE-9

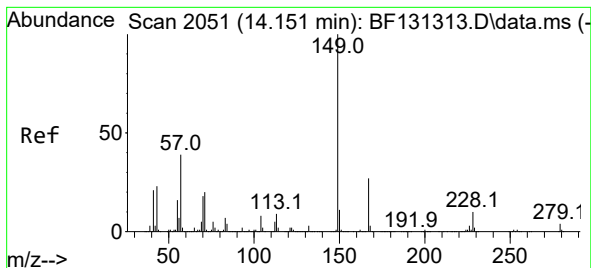
Tgt Ion:244 Resp: 450728  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.9 8.9  
 122 9.2 7.5 11.3



#80  
 Butylbenzylphthalate  
 Concen: 4.153 ng  
 RT: 13.592 min Scan# 1956  
 Delta R.T. 0.000 min  
 Lab File: BF131352.D  
 Acq: 23 Nov 2022 03:03

Tgt Ion:149 Resp: 56  
 Ion Ratio Lower Upper  
 149 100  
 91 0.0 61.9 92.9#  
 206 0.0 16.5 24.7#

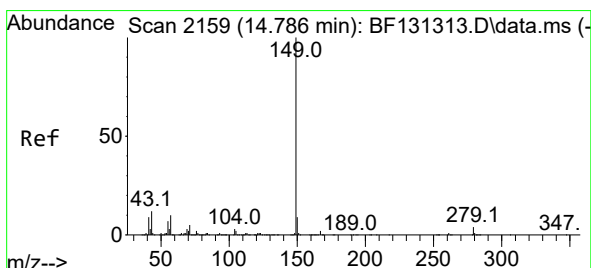
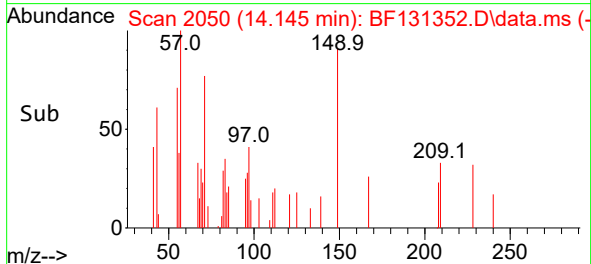
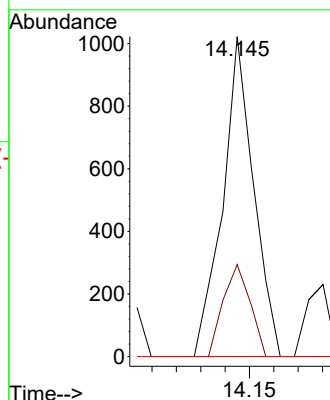
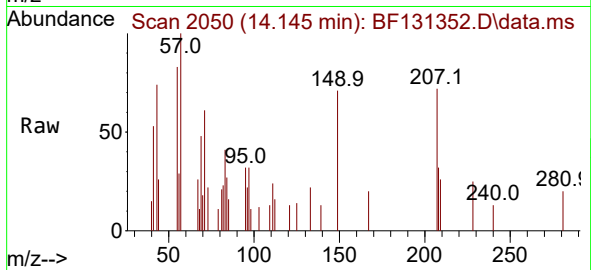




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.866 ng  
RT: 14.145 min Scan# 2051  
Delta R.T. -0.006 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

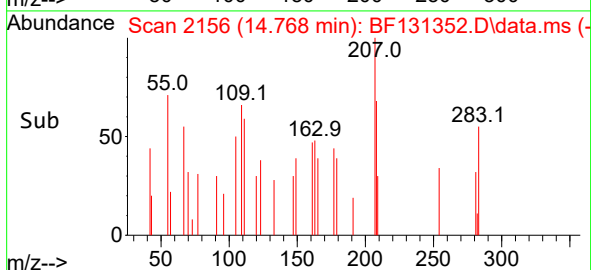
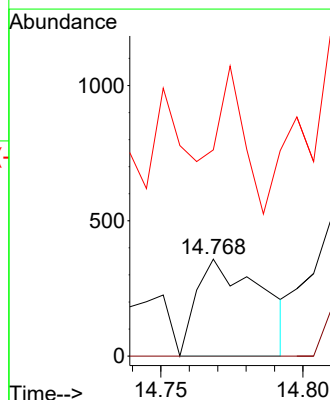
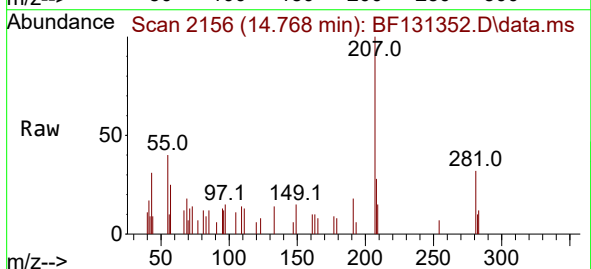
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-PILE-9

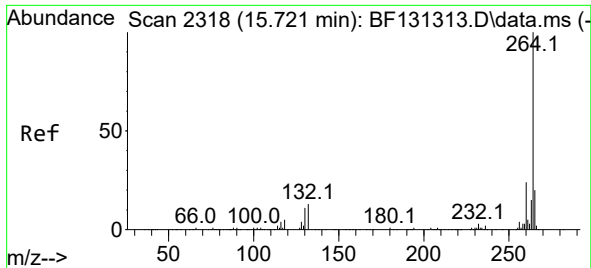
Tgt Ion:149 Resp: 900  
Ion Ratio Lower Upper  
149 100  
167 28.8 21.9 32.9  
279 0.0 3.0 4.4#



#85  
Di-n-octyl phthalate  
Concen: 3.966 ng  
RT: 14.768 min Scan# 2156  
Delta R.T. -0.018 min  
Lab File: BF131352.D  
Acq: 23 Nov 2022 03:03

Tgt Ion:149 Resp: 569  
Ion Ratio Lower Upper  
149 100  
167 0.0 1.2 1.8#  
43 63.4 10.7 16.1#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.710 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BF131352.D  
 Acq: 23 Nov 2022 03:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-PILE-9

Tgt Ion:264 Resp: 188266  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 19.0 28.4  
 265 21.1 16.4 24.6

