

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072518\  
 Data File : BN002146.D  
 Acq On : 25 Jul 2018 21:15  
 Operator : JU/SJ  
 Sample : J3762-01  
 Misc : LOD 8 PPM  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2018

Quant Time: Jul 26 05:55:57 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN072518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 25 20:08:02 2018  
 Response via : Initial Calibration

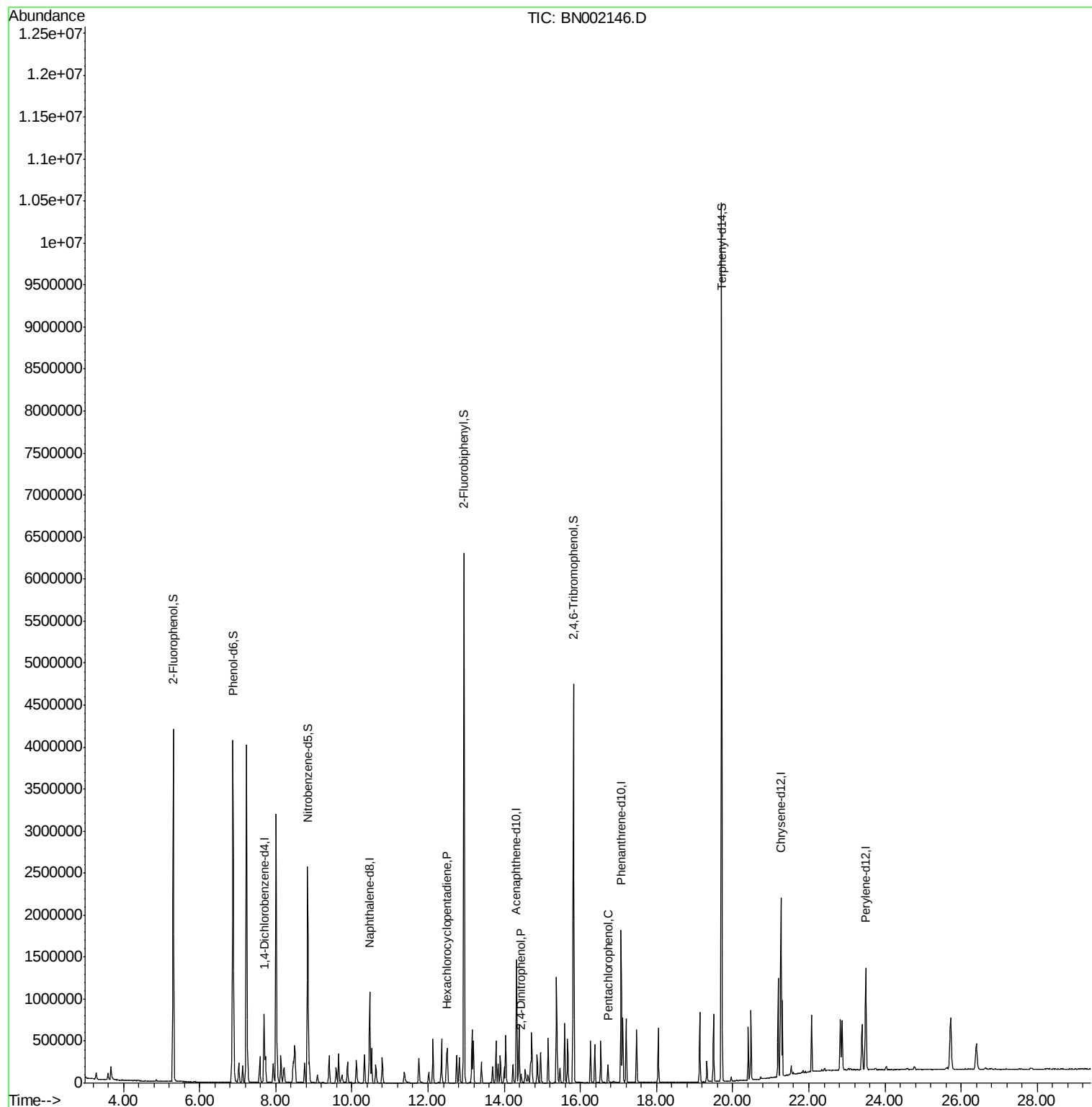
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 7.69  | 152  | 213276   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.46 | 136  | 866261   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 14.32 | 164  | 494762   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10          | 17.07 | 188  | 1044039  | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 21.27 | 240  | 912061   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 23.49 | 264  | 853786   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.31  | 112  | 1661529  | 125.42 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.88  | 99   | 2237107  | 120.34 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.84  | 82   | 1462868  | 86.60  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol      | 15.82 | 330  | 820101   | 127.65 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 12.94 | 172  | 3278692  | 86.31  | ng    | 0.00     |
| 78) Terphenyl-d14             | 19.71 | 244  | 4712293  | 107.76 | ng    | 0.00     |
| Target Compounds              |       |      |          |        |       |          |
| 40) Hexachlorocyclopentadiene | 12.48 | 237  | 71456    | 7.605  | ng    | 92       |
| 53) 2,4-Dinitrophenol         | 14.45 | 184  | 23535    | 4.868  | ng    | 96       |
| 69) Pentachlorophenol         | 16.73 | 266  | 38373    | 4.410  | ng    | 94       |

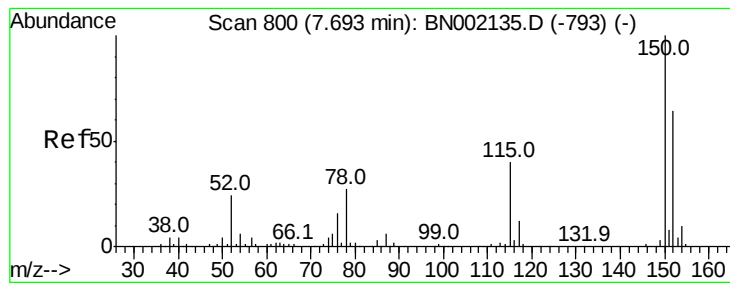
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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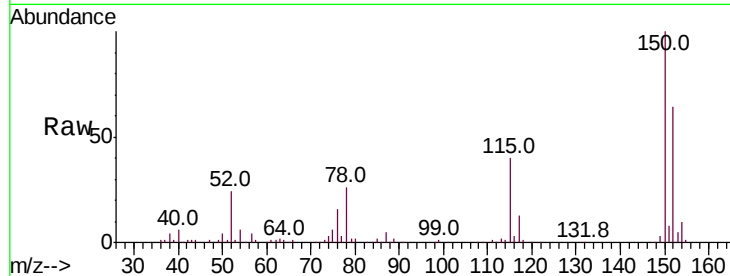


#1

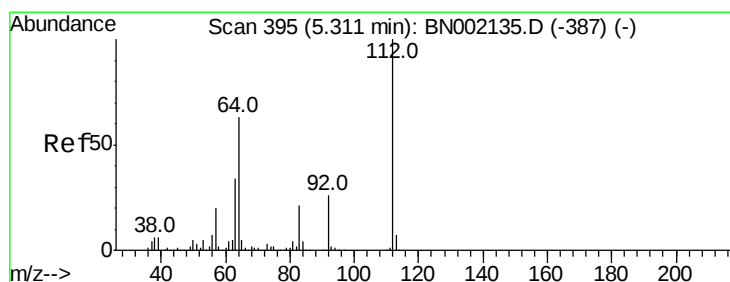
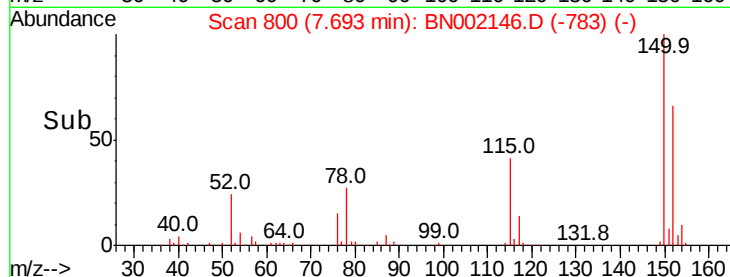
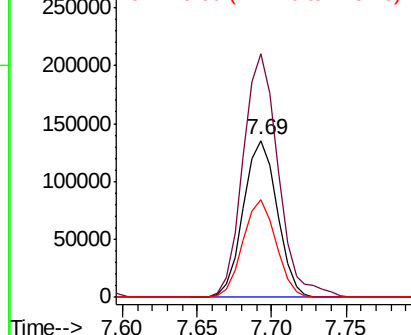
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.69 min Scan# 800  
Delta R.T. 0.00 min  
Lab File: BN002146.D  
Acq: 25 Jul 2018 21:15

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:152 Resp: 213276  
Ion Ratio Lower Upper  
152 100  
150 155.4 126.6 189.8  
115 62.0 53.0 79.4



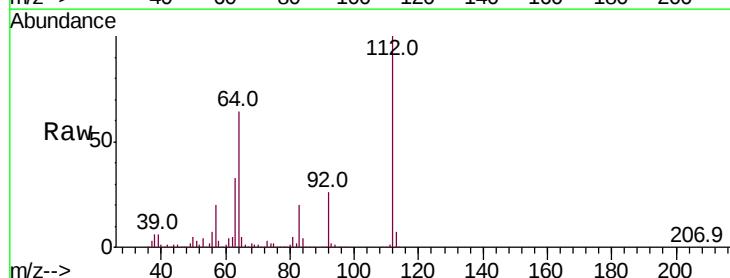
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



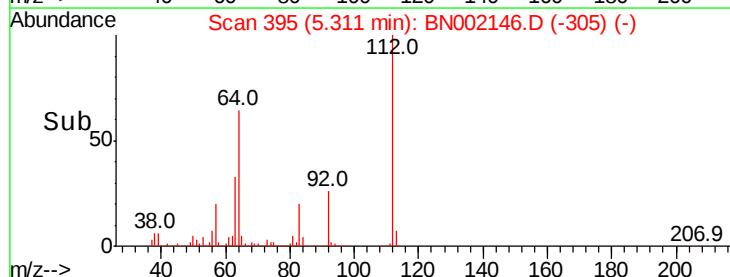
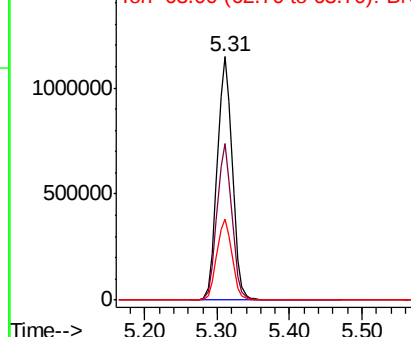
#5

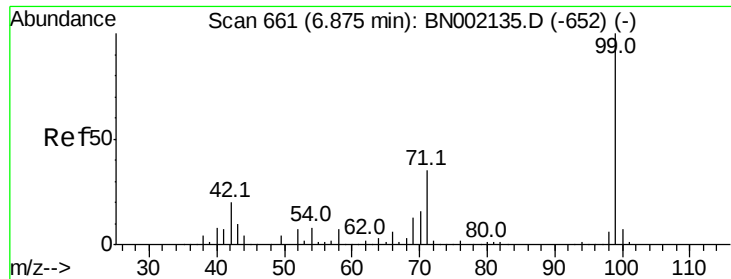
2-Fluorophenol  
Concen: 125.422 ng  
RT: 5.31 min Scan# 395  
Delta R.T. 0.00 min  
Lab File: BN002146.D  
Acq: 25 Jul 2018 21:15

Tgt Ion:112 Resp: 1661529  
Ion Ratio Lower Upper  
112 100  
64 64.3 56.3 84.5  
63 33.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BNC  
Ion 63.00 (62.70 to 63.70): BNC





#7

Phenol-d6

Concen: 120.336 ng

RT: 6.88 min Scan# 661

Delta R.T. 0.00 min

Lab File: BN002146.D

Acq: 25 Jul 2018 21:15

Instrument :

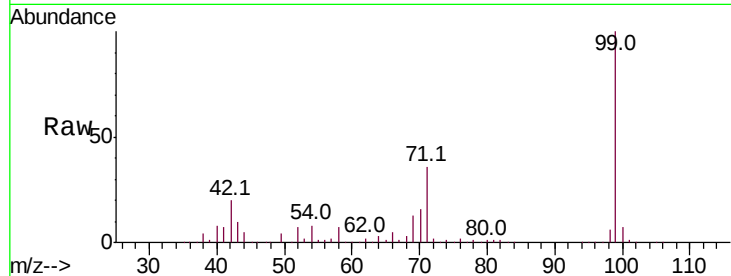
BNA\_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 99 Resp: 2237107

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.0  | 14.1  | 21.1  |
| 71  | 35.9  | 26.1  | 39.1  |

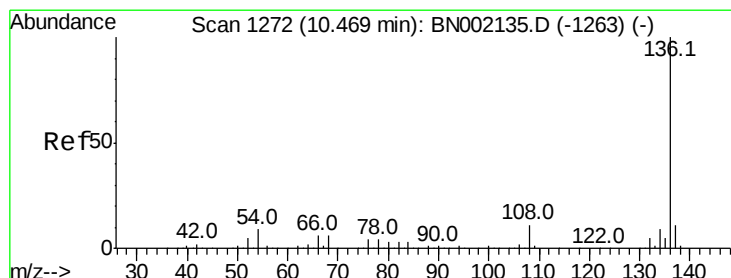
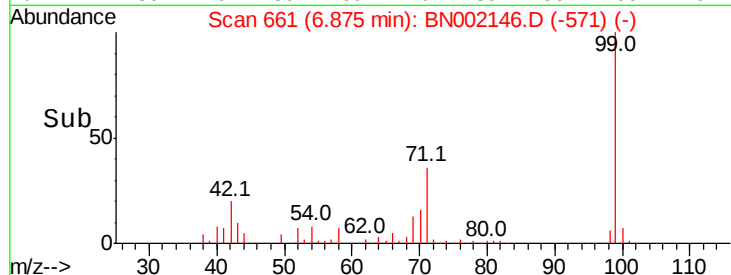
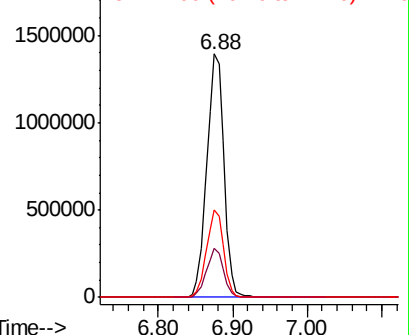


Abundance

Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1271

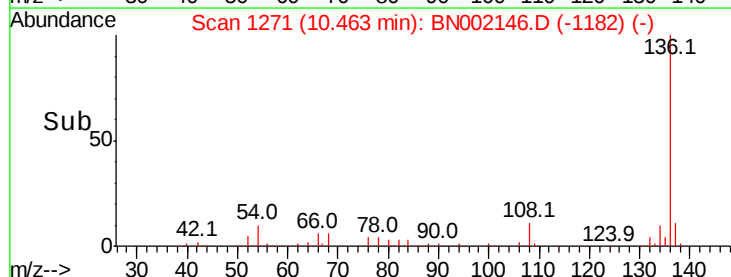
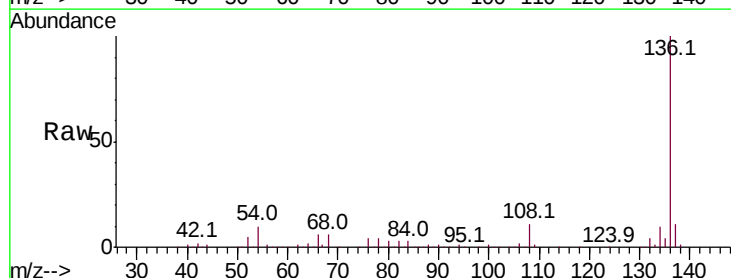
Delta R.T. -0.01 min

Lab File: BN002146.D

Acq: 25 Jul 2018 21:15

Tgt Ion: 136 Resp: 866261

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 9.2   | 13.8  |
| 54  | 9.6   | 10.3  | 15.5  |
| 68  | 6.1   | 4.5   | 6.7   |



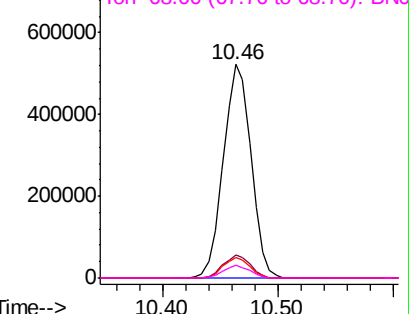
Abundance

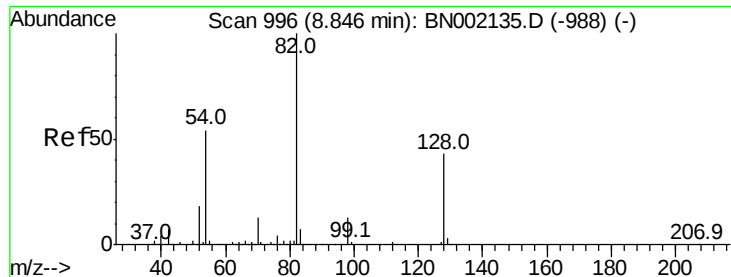
Ion 136.00 (135.70 to 136.70): BNC

Ion 137.00 (136.70 to 137.70): BNC

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC

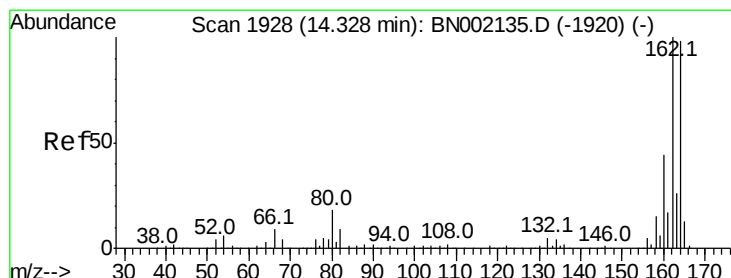
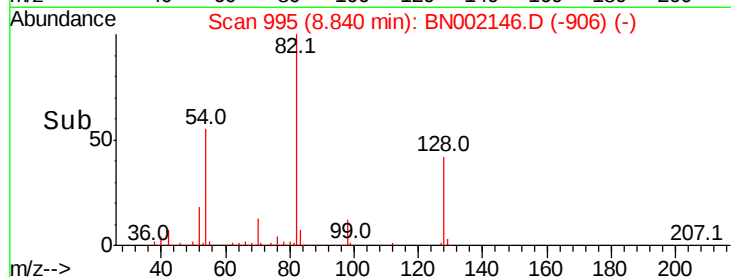
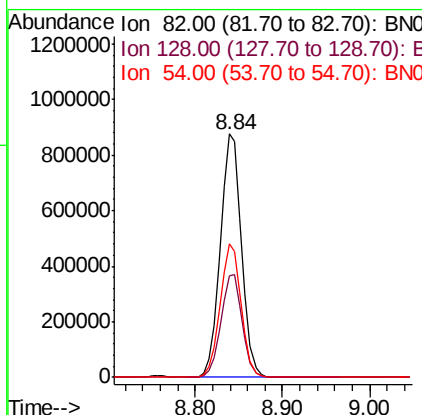
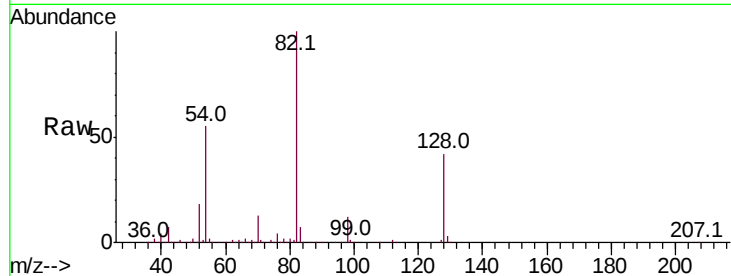




#23  
Nitrobenzene-d5  
Concen: 86.603 ng  
RT: 8.84 min Scan# 995  
Delta R.T. -0.01 min  
Lab File: BN002146.D  
Acq: 25 Jul 2018 21:15

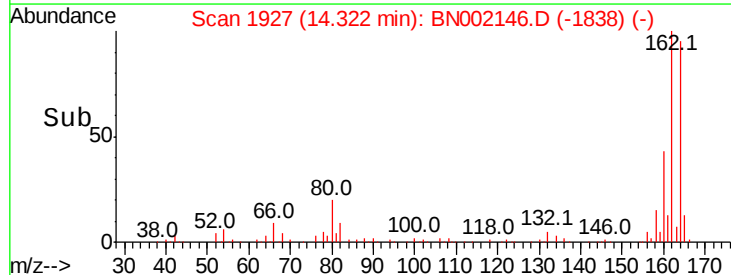
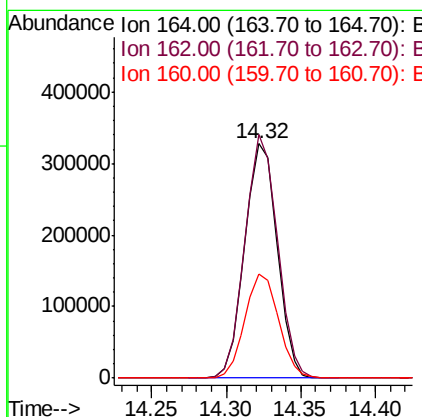
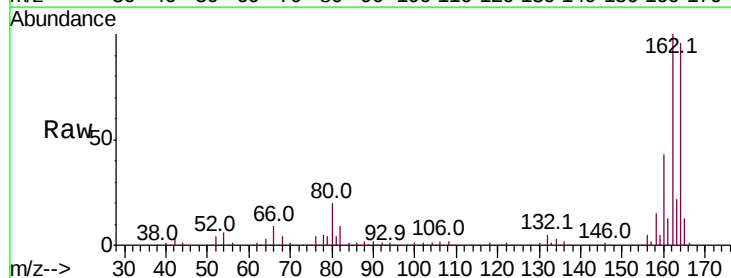
Instrument :  
BNA\_N  
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LOD-MDL-SOIL-01-QT3-2018

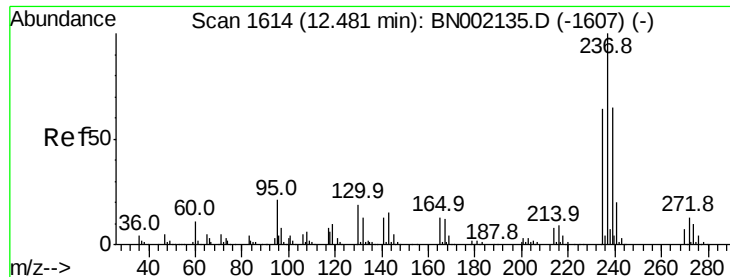
Tot Ion: 82 Resp: 1462868  
Ion Ratio Lower Upper  
82 100  
128 41.7 29.7 44.5  
54 54.7 43.1 64.7



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.32 min Scan# 1927  
Delta R.T. -0.01 min  
Lab File: BN002146.D  
Acq: 25 Jul 2018 21:15

Tgt Ion:164 Resp: 494762  
Ion Ratio Lower Upper  
164 100  
162 103.9 78.8 118.2  
160 44.5 35.4 53.0

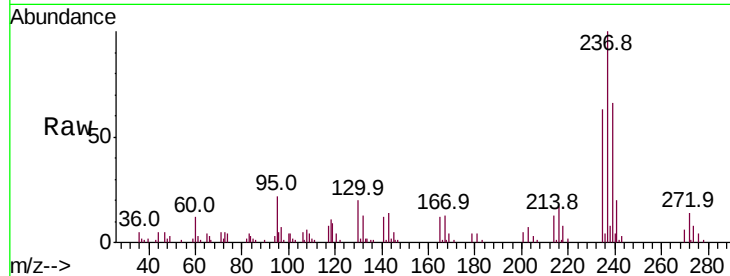




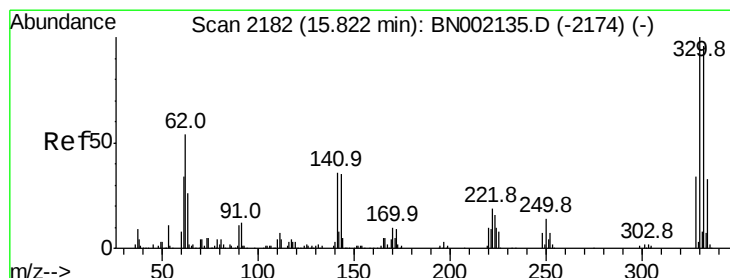
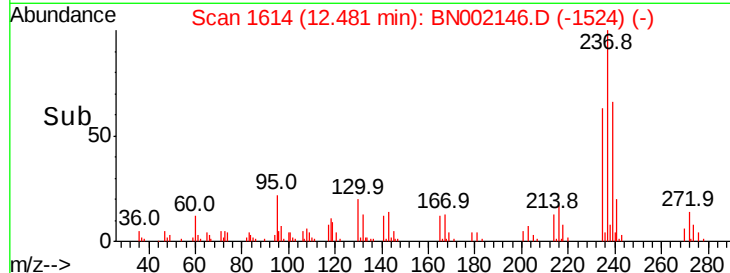
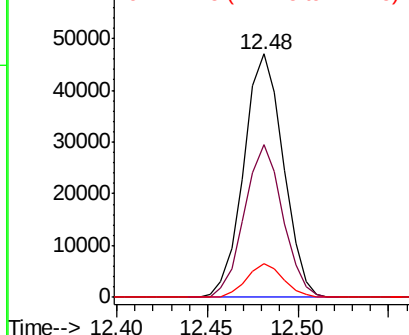
#40  
Hexachlorocyclopentadiene  
Concen: 7.605 ng  
RT: 12.48 min Scan# 1614  
Delta R.T. 0.00 min  
Lab File: BN002146.D  
Acq: 25 Jul 2018 21:15

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:237 Resp: 71456  
Ion Ratio Lower Upper  
237 100  
235 63.0 50.4 90.4  
272 13.9 0.0 31.8

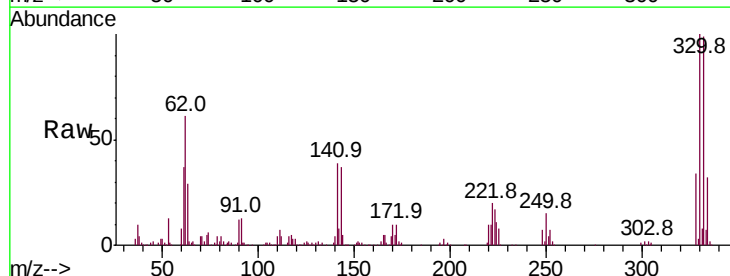


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

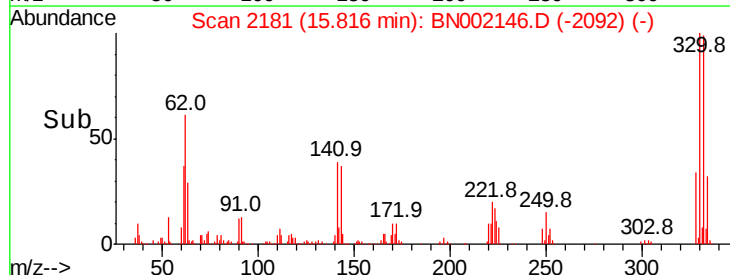
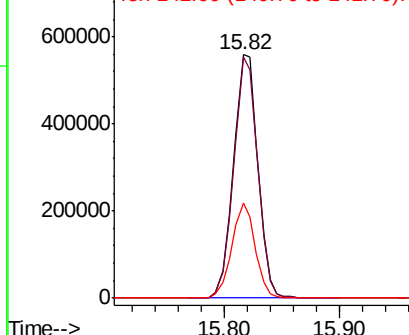


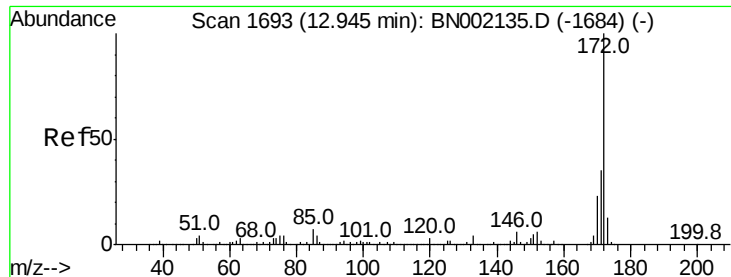
#41  
2,4,6-Tribromophenol  
Concen: 127.648 ng  
RT: 15.82 min Scan# 2181  
Delta R.T. -0.01 min  
Lab File: BN002146.D  
Acq: 25 Jul 2018 21:15

Tgt Ion:330 Resp: 820101  
Ion Ratio Lower Upper  
330 100  
332 96.7 77.0 115.6  
141 37.1 25.2 37.8



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

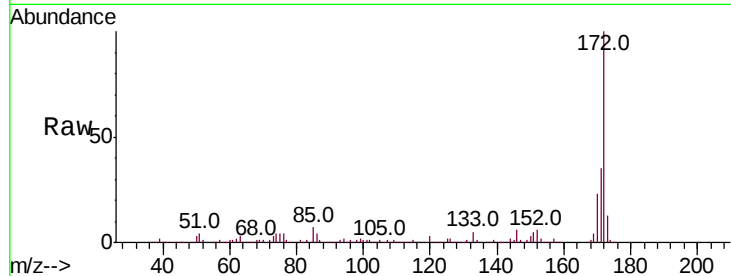




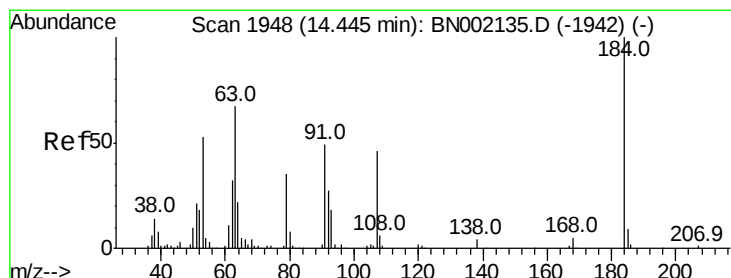
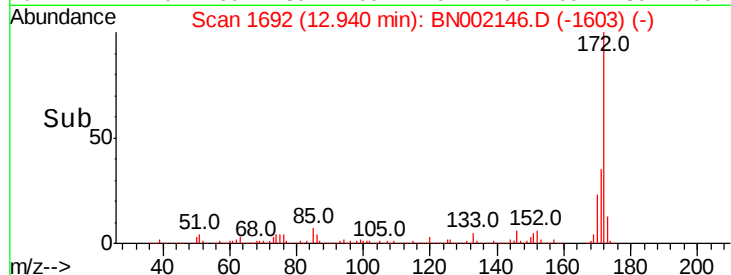
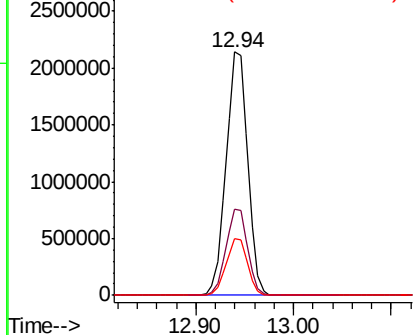
#44  
2-Fluorobiphenyl  
Concen: 86.315 ng  
RT: 12.94 min Scan# 1692  
Delta R.T. -0.01 min  
Lab File: BN002146.D  
Acq: 25 Jul 2018 21:15

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:172 Resp: 3278692  
Ion Ratio Lower Upper  
172 100  
171 35.3 30.0 45.0  
170 23.4 19.5 29.3

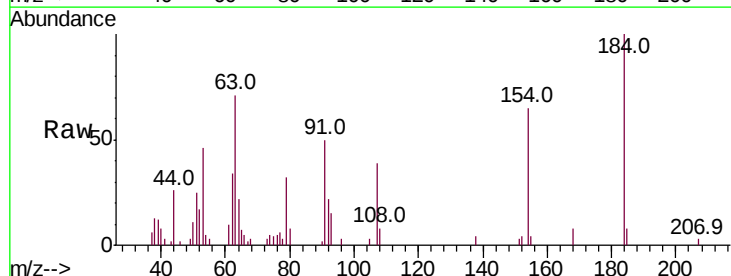


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

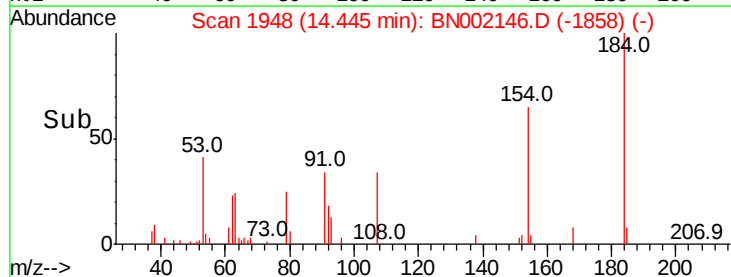
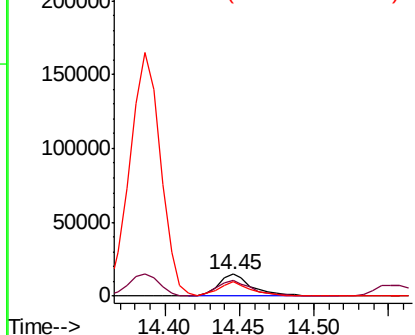


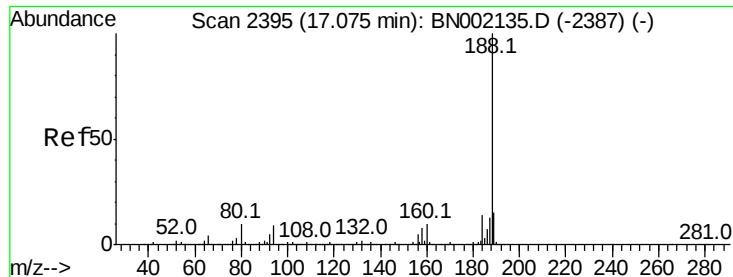
#53  
2,4-Dinitrophenol  
Concen: 4.868 ng  
RT: 14.45 min Scan# 1948  
Delta R.T. 0.00 min  
Lab File: BN002146.D  
Acq: 25 Jul 2018 21:15

Tgt Ion:184 Resp: 23535  
Ion Ratio Lower Upper  
184 100  
63 70.6 56.0 84.0  
154 65.5 48.0 72.0



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BNC  
Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BN002146.D

Acq: 25 Jul 2018 21:15

Instrument :

BNA\_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

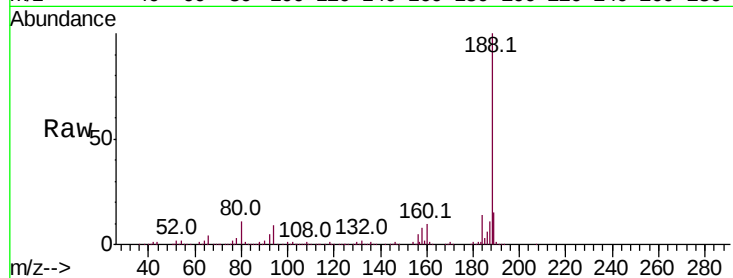
Tot Ion:188 Resp: 1044039

Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

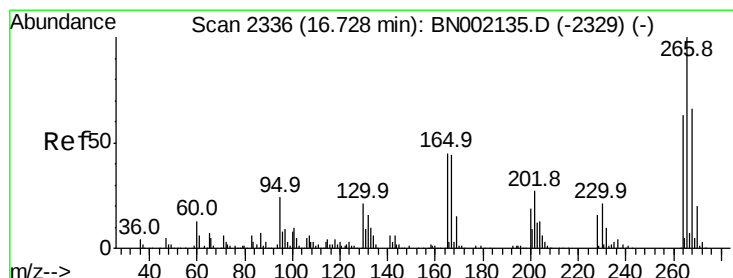
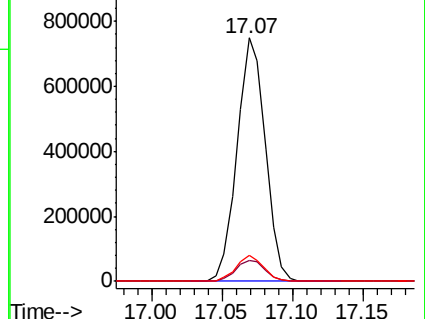
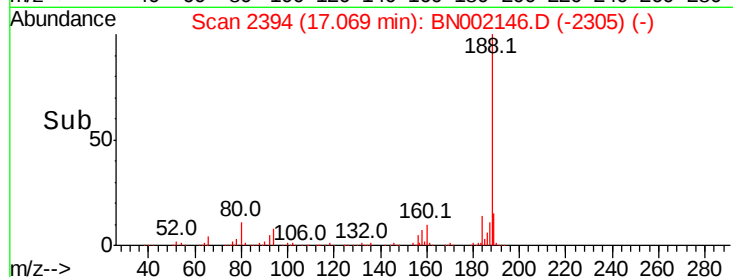
80 10.7 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#69

Pentachlorophenol

Concen: 4.410 ng

RT: 16.73 min Scan# 2336

Delta R.T. 0.00 min

Lab File: BN002146.D

Acq: 25 Jul 2018 21:15

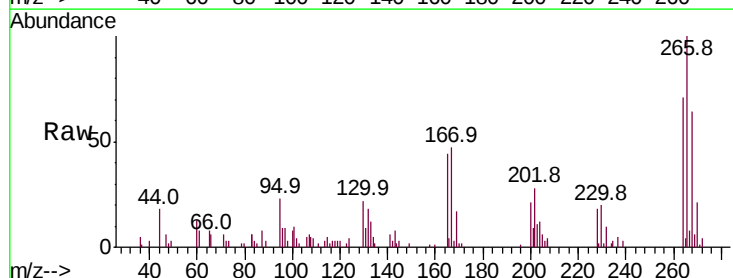
Tgt Ion:266 Resp: 38373

Ion Ratio Lower Upper

266 100

268 64.2 51.1 76.7

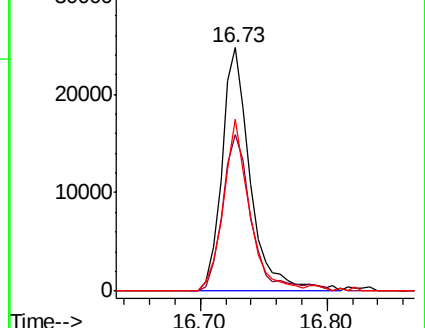
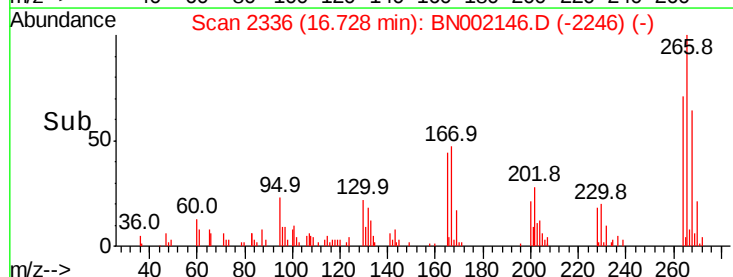
264 70.9 49.6 74.4

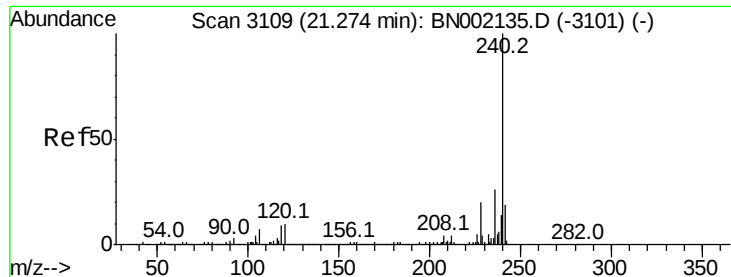


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BN002146.D

Acq: 25 Jul 2018 21:15

Instrument :

BNA\_N

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

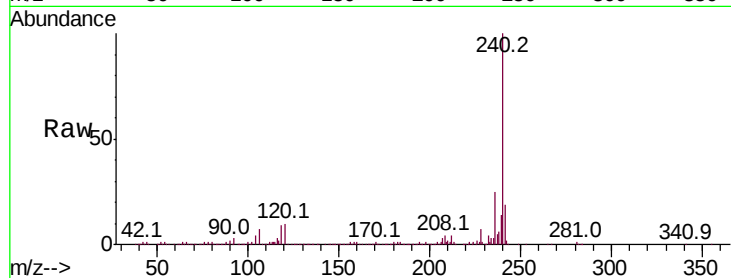
Tot Ion:240 Resp: 912061

Ion Ratio Lower Upper

240 100

120 10.0 6.8 10.2

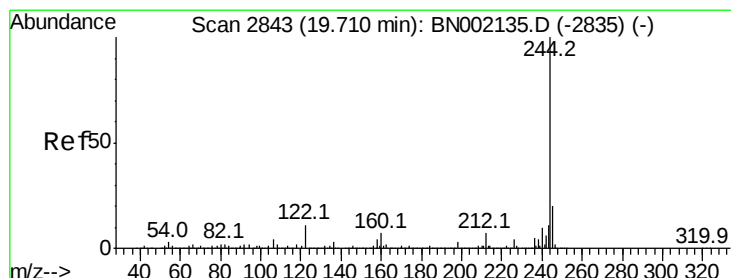
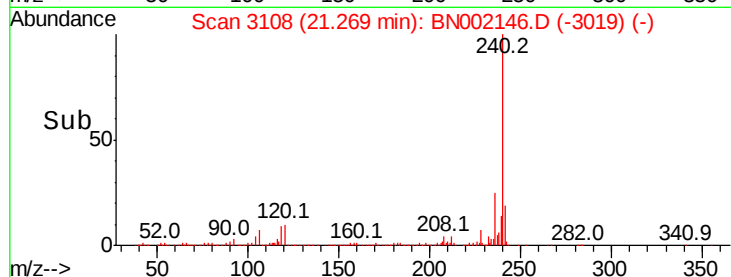
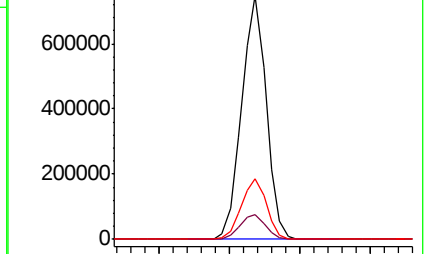
236 25.0 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 107.758 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BN002146.D

Acq: 25 Jul 2018 21:15

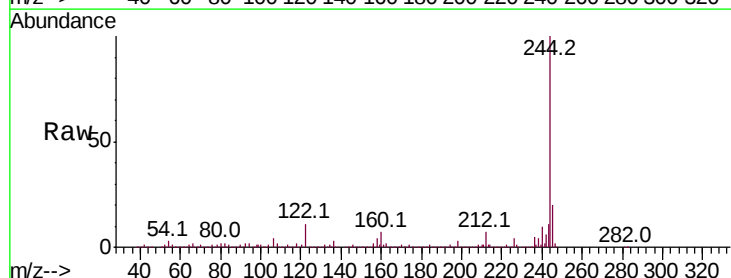
Tgt Ion:244 Resp: 4712293

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

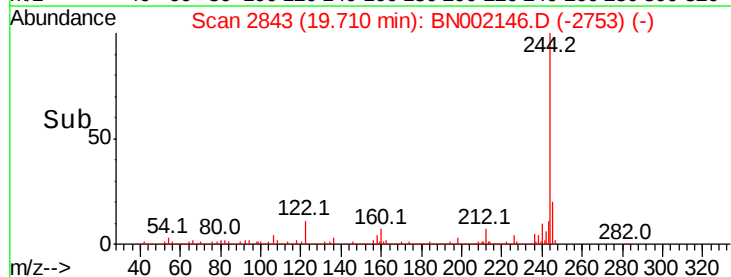
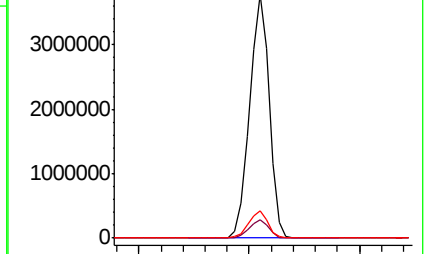
122 11.2 7.0 10.4#

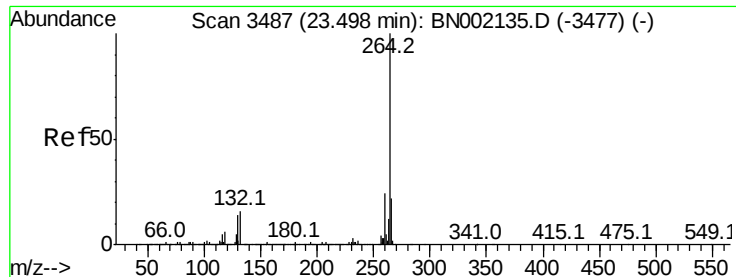


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.49 min Scan# 3486  
Delta R.T. -0.01 min  
Lab File: BN002146.D  
Acq: 25 Jul 2018 21:15

Instrument :  
BNA\_N  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 17.4  | 26.0  |
| 265     | 22.2  | 17.7  | 26.5  |

