

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060618\  
 Data File : BM015499.D  
 Acq On : 06 Jun 2018 21:11  
 Operator : SJ/JU  
 Sample : J2309-06  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 ROCKY-SOIL

Quant Time: Jun 07 03:18:52 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 06 14:01:06 2018  
 Response via : Initial Calibration

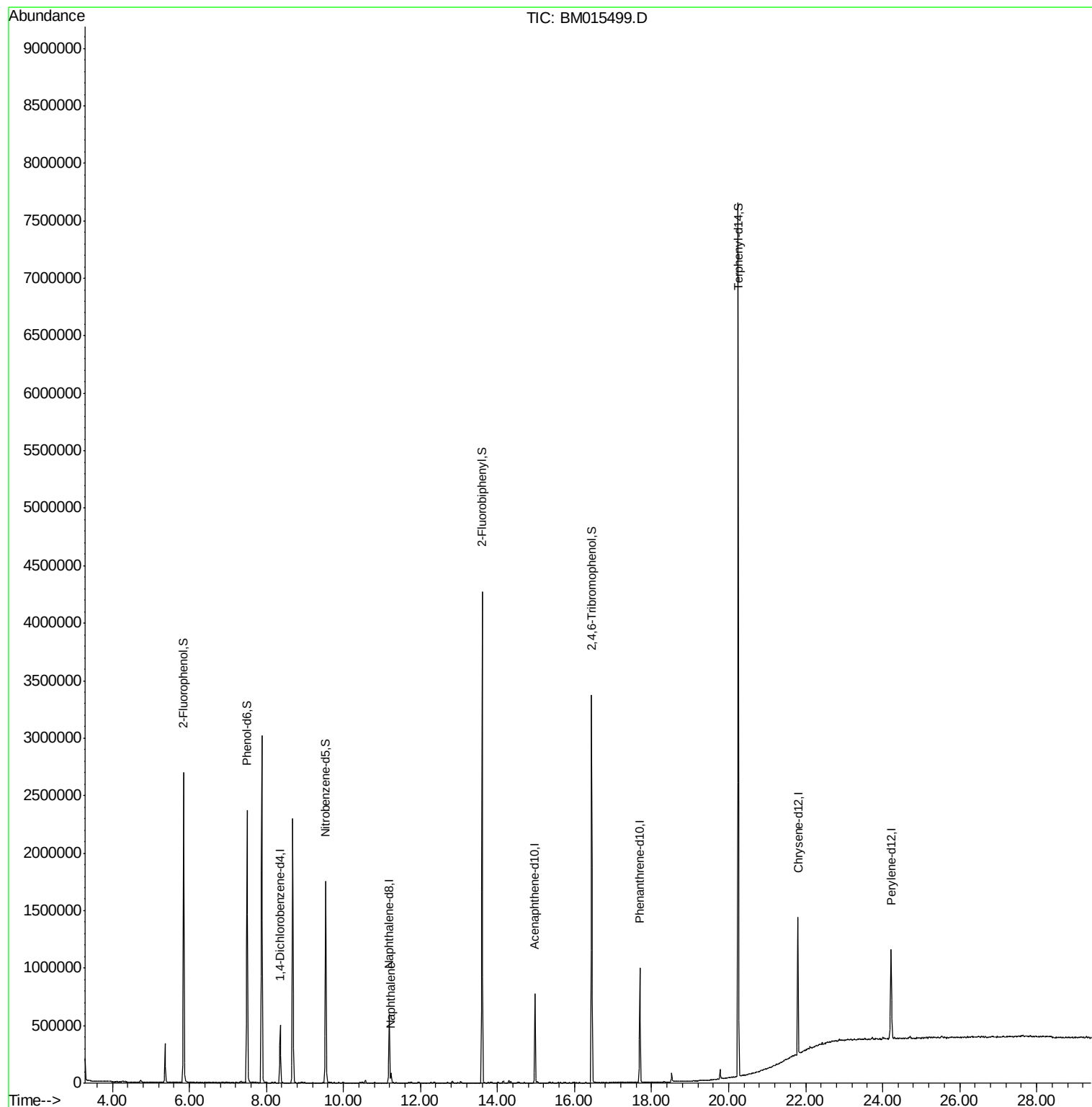
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.36  | 152  | 127840   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 11.19 | 136  | 476436   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 14.97 | 164  | 246864   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 17.69 | 188  | 538106   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 21.80 | 240  | 547641   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 24.22 | 264  | 571473   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.85  | 112  | 1036978  | 137.98 | ng    | 0.00      |
| 7) Phenol-d6                | 7.50  | 99   | 1208216  | 106.36 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.54  | 82   | 962144   | 109.84 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 16.45 | 330  | 528209   | 148.89 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 13.60 | 172  | 1975279  | 107.43 | ng    | 0.00      |
| 78) Terphenyl-d14           | 20.25 | 244  | 3030339  | 127.72 | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 11.24 | 128  | 67755    | 2.744  | ng    | Qvalue 99 |

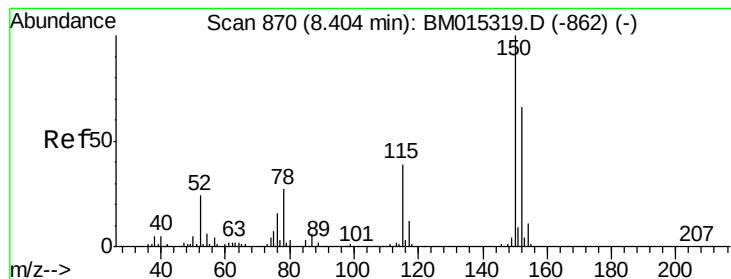
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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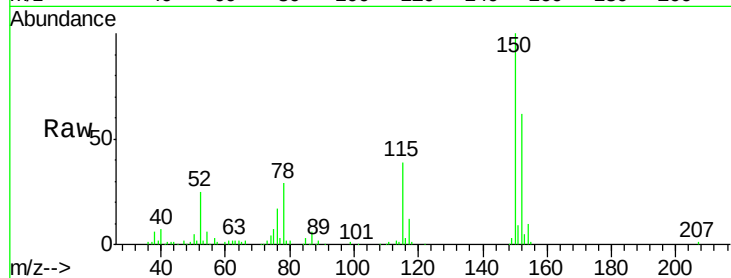


#1

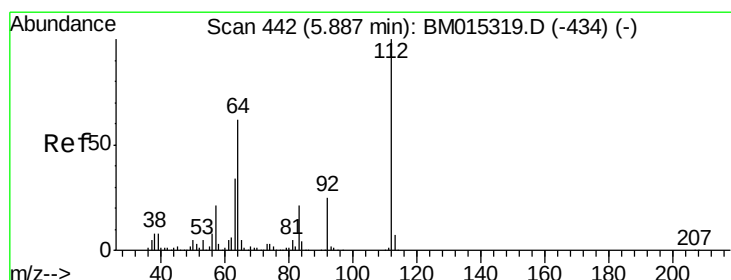
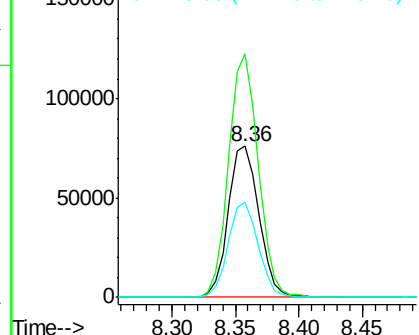
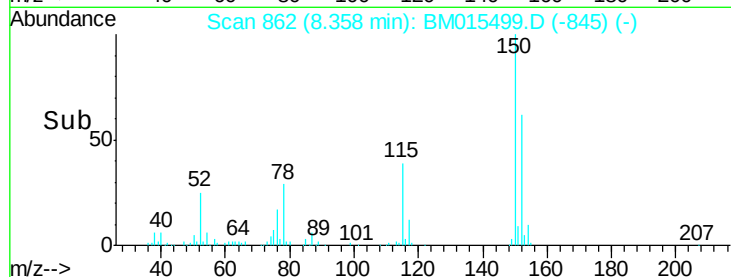
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.36 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: BM015499.D  
Acq: 06 Jun 2018 21:11

Instrument :  
BNA\_M  
ClientSampleId :  
ROCKY-SOIL

Tot Ion:152 Resp: 127840  
Ion Ratio Lower Upper  
152 100  
150 160.9 119.5 179.3  
115 62.7 43.0 64.4



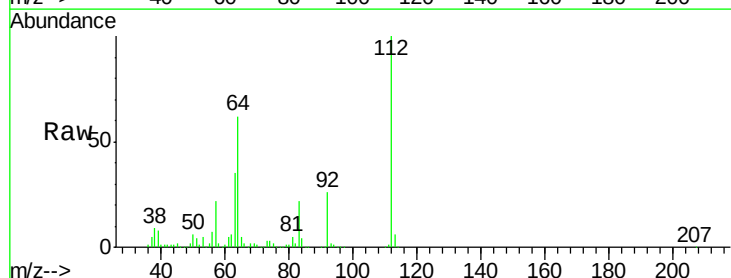
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



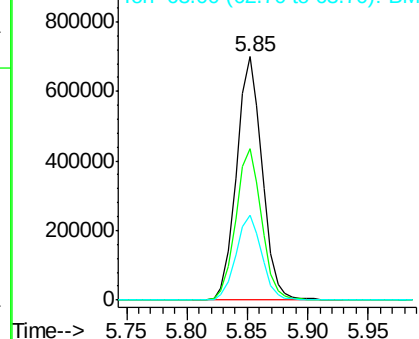
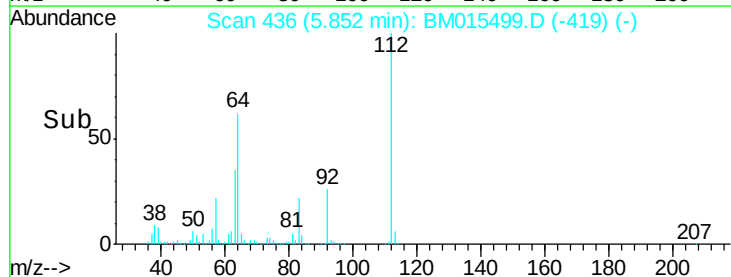
#5

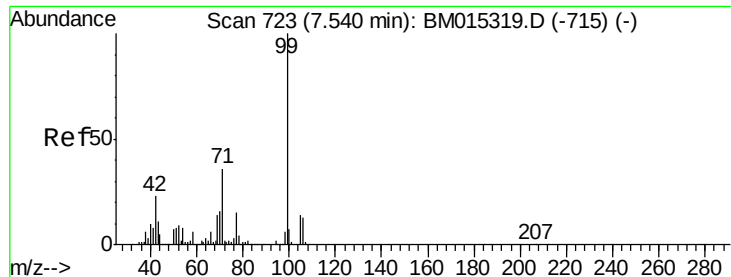
2-Fluorophenol  
Concen: 137.978 ng  
RT: 5.85 min Scan# 436  
Delta R.T. 0.00 min  
Lab File: BM015499.D  
Acq: 06 Jun 2018 21:11

Tgt Ion:112 Resp: 1036978  
Ion Ratio Lower Upper  
112 100  
64 62.1 38.6 57.8#  
63 35.0 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BM0  
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 106.364 ng

RT: 7.50 min Scan# 716

Delta R.T. -0.01 min

Lab File: BM015499.D

Acq: 06 Jun 2018 21:11

Instrument :

BNA\_M

ClientSampleId :

ROCKY-SOIL

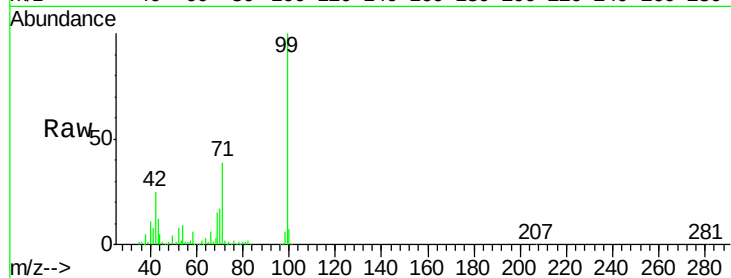
Tot Ion: 99 Resp: 1208216

Ion Ratio Lower Upper

99 100

42 25.4 11.0 16.4#

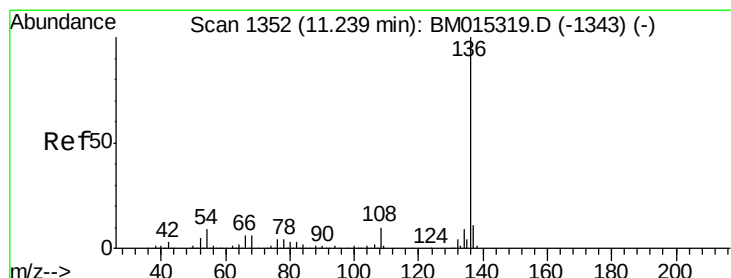
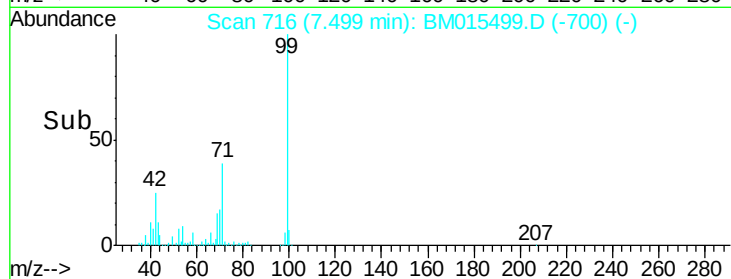
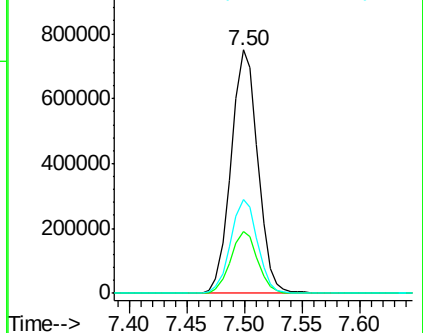
71 38.6 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM015319.D (-715) (-)

Ion 42.00 (41.70 to 42.70): BM015319.D (-715) (-)

Ion 71.00 (70.70 to 71.70): BM015319.D (-715) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.19 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BM015499.D

Acq: 06 Jun 2018 21:11

Tgt Ion: 136 Resp: 476436

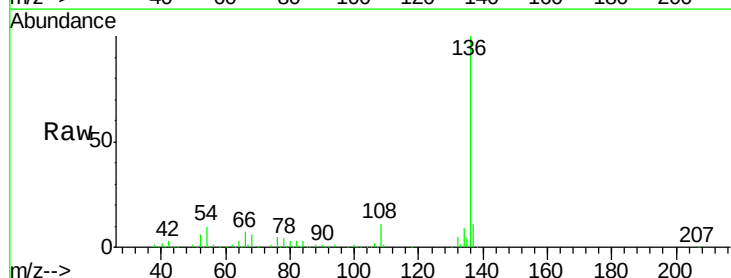
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 9.5 4.6 6.8#

68 6.3 3.7 5.5#

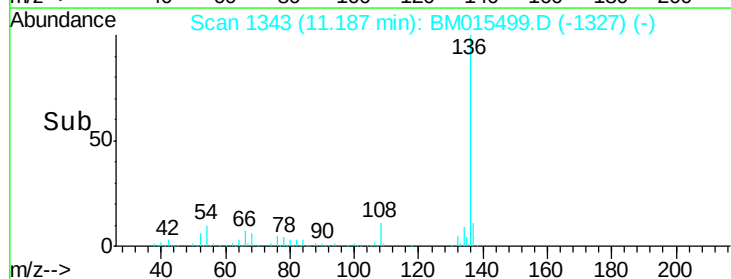
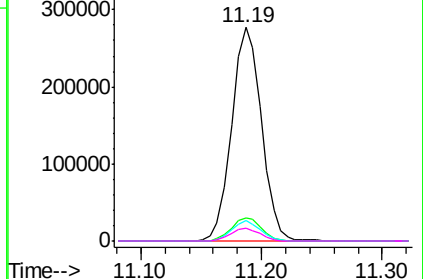


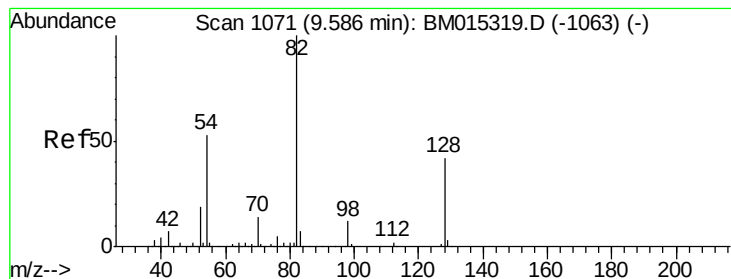
Abundance Ion 136.00 (135.70 to 136.70): BM015319.D (-1343) (-)

Ion 137.00 (136.70 to 137.70): BM015319.D (-1343) (-)

Ion 54.00 (53.70 to 54.70): BM015319.D (-1343) (-)

Ion 68.00 (67.70 to 68.70): BM015319.D (-1343) (-)





#23

Nitrobenzene-d5

Concen: 109.845 ng

RT: 9.54 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BM015499.D

Acq: 06 Jun 2018 21:11

Instrument :

BNA\_M

ClientSampleId :

ROCKY-SOIL

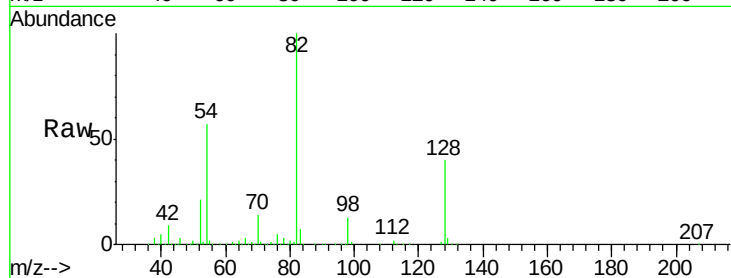
Tot Ion: 82 Resp: 962144

Ion Ratio Lower Upper

82 100

128 40.2 32.8 49.2

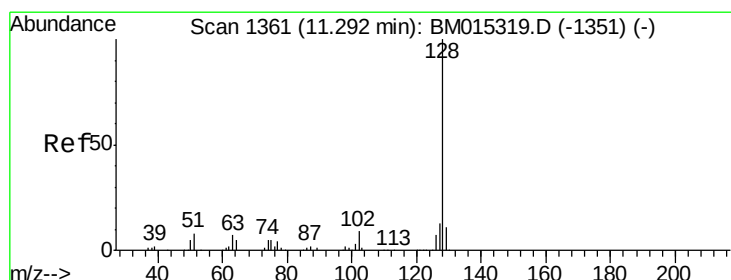
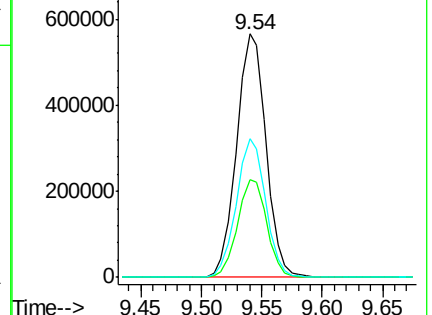
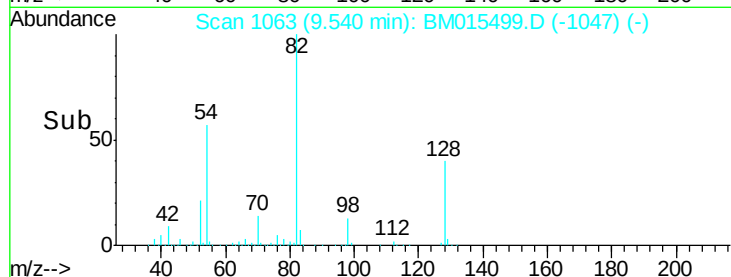
54 56.9 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BM015499.D (-1047) (-)

Ion 128.00 (127.70 to 128.70): BM015499.D (-1047) (-)

Ion 54.00 (53.70 to 54.70): BM015499.D (-1047) (-)



#31

Naphthalene

Concen: 2.744 ng

RT: 11.24 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BM015499.D

Acq: 06 Jun 2018 21:11

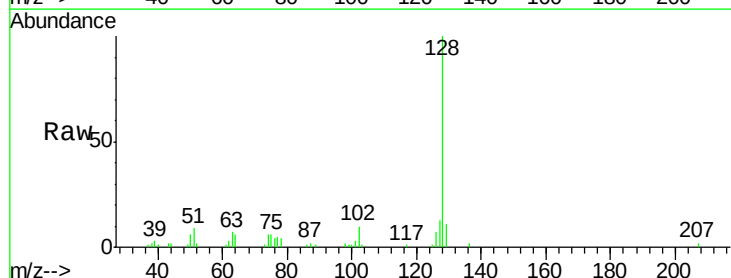
Tgt Ion: 128 Resp: 67755

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

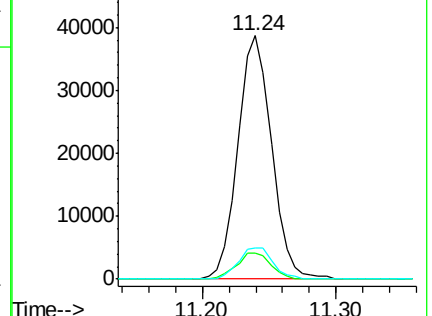
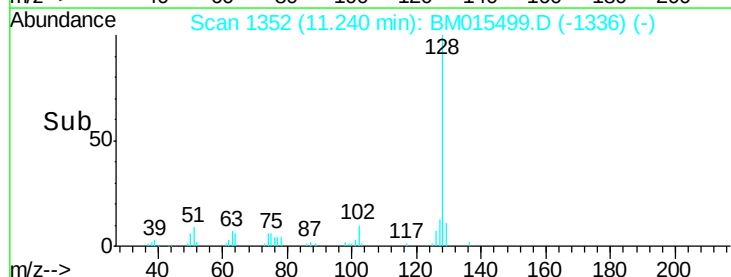
127 12.7 10.4 15.6

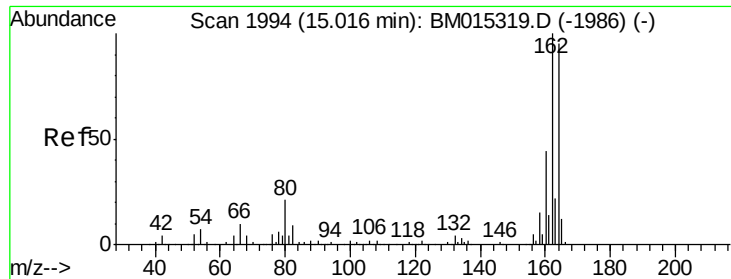


Abundance Ion 128.00 (127.70 to 128.70): BM015499.D (-1336) (-)

Ion 129.00 (128.70 to 129.70): BM015499.D (-1336) (-)

Ion 127.00 (126.70 to 127.70): BM015499.D (-1336) (-)





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.97 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BM015499.D

Acq: 06 Jun 2018 21:11

Instrument :

BNA\_M

ClientSampleId :

ROCKY-SOIL

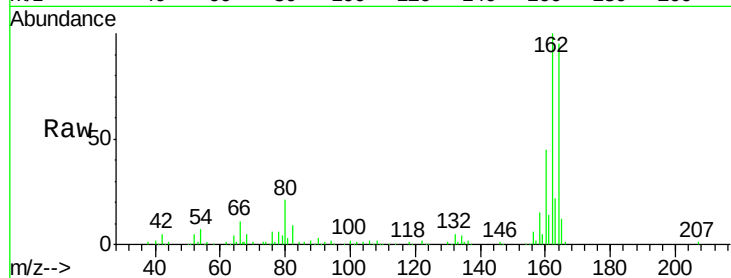
Tot Ion:164 Resp: 246864

Ion Ratio Lower Upper

164 100

162 105.0 82.4 123.6

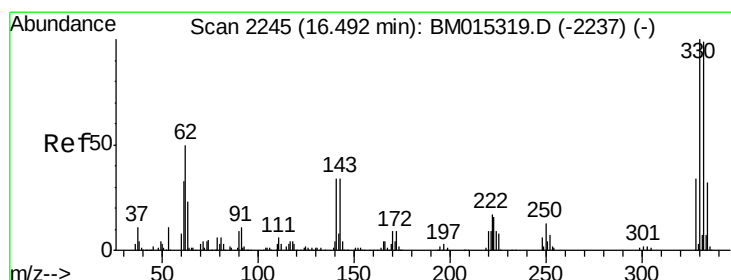
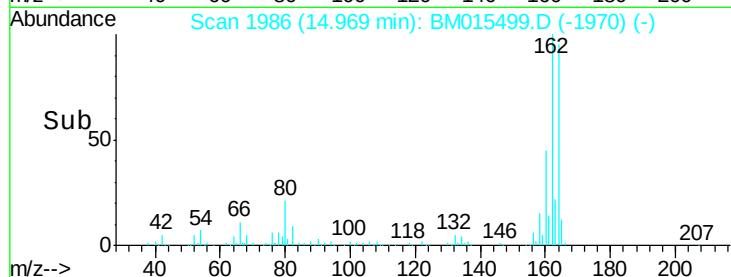
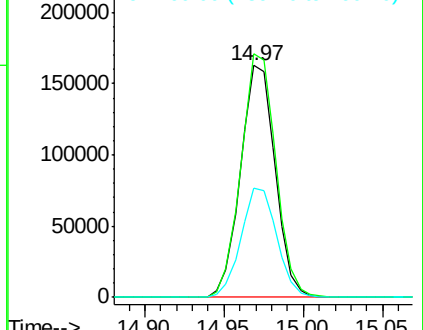
160 47.3 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 148.891 ng

RT: 16.45 min Scan# 2238

Delta R.T. 0.00 min

Lab File: BM015499.D

Acq: 06 Jun 2018 21:11

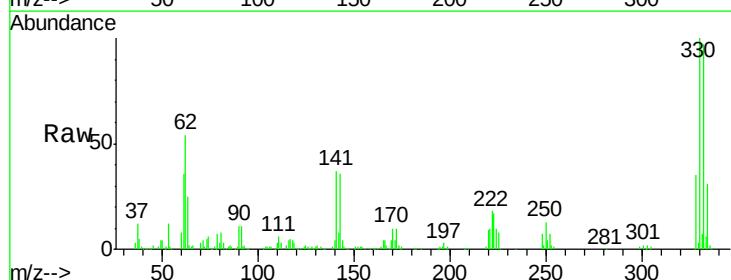
Tgt Ion:330 Resp: 528209

Ion Ratio Lower Upper

330 100

332 96.3 0.0 0.0#

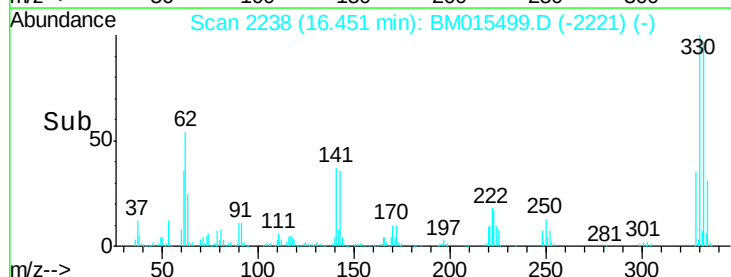
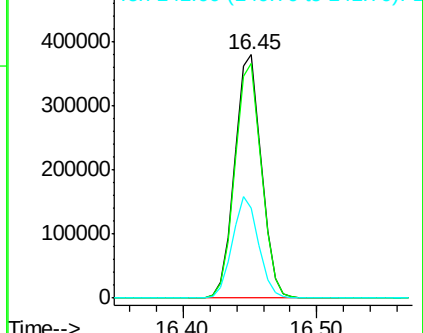
141 41.2 0.0 0.0#

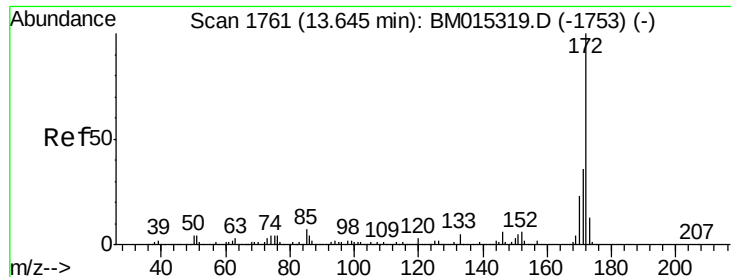


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

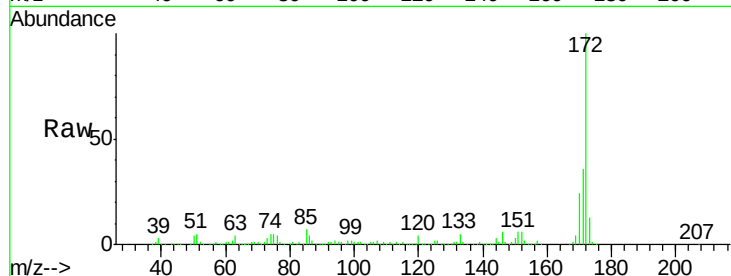




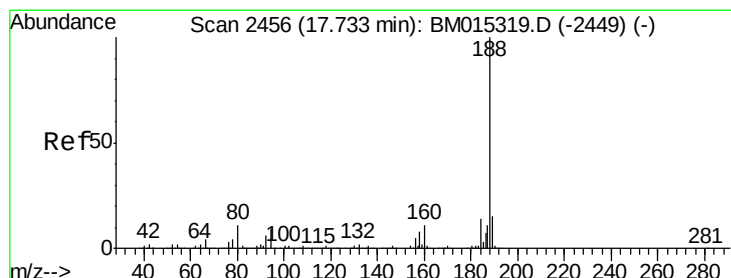
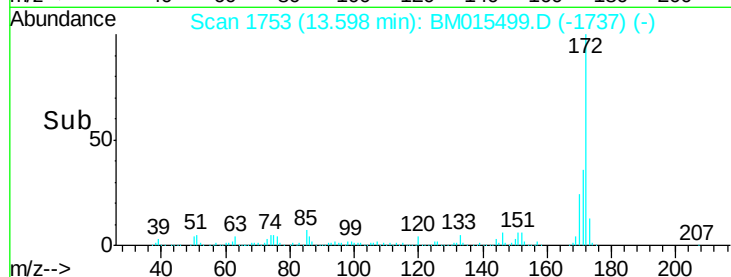
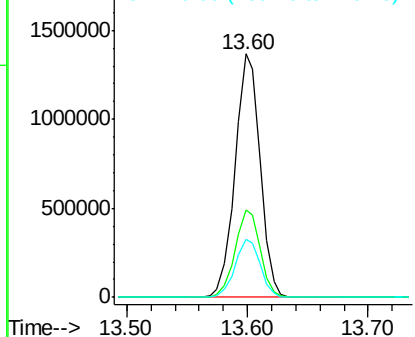
#44  
2-Fluorobiphenyl  
Concen: 107.433 ng  
RT: 13.60 min Scan# 1753  
Delta R.T. -0.01 min  
Lab File: BM015499.D  
Acq: 06 Jun 2018 21:11

Instrument :  
BNA\_M  
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ROCKY-SOIL

Tot Ion:172 Resp: 1975279  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.5 42.7  
170 23.8 18.8 28.2

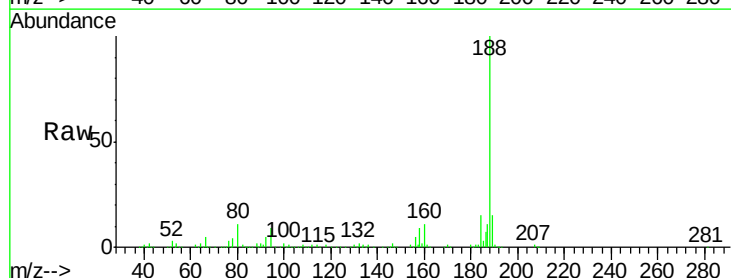


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

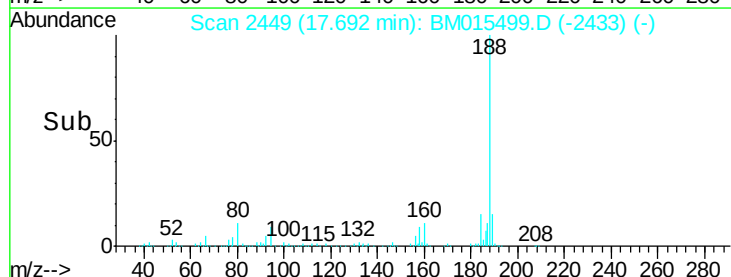
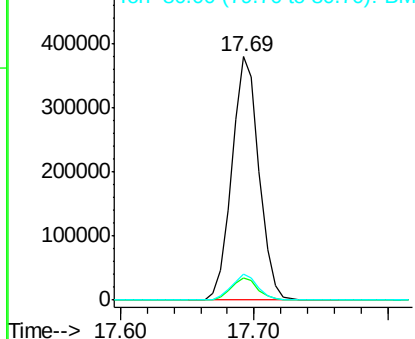


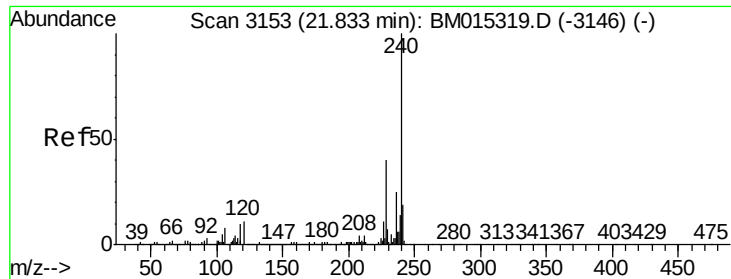
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.69 min Scan# 2449  
Delta R.T. -0.01 min  
Lab File: BM015499.D  
Acq: 06 Jun 2018 21:11

Tgt Ion:188 Resp: 538106  
Ion Ratio Lower Upper  
188 100  
94 8.9 8.7 13.1  
80 10.6 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM0  
Ion 80.00 (79.70 to 80.70): BM0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BM015499.D

Acq: 06 Jun 2018 21:11

Instrument :

BNA\_M

ClientSampleId :

ROCKY-SOIL

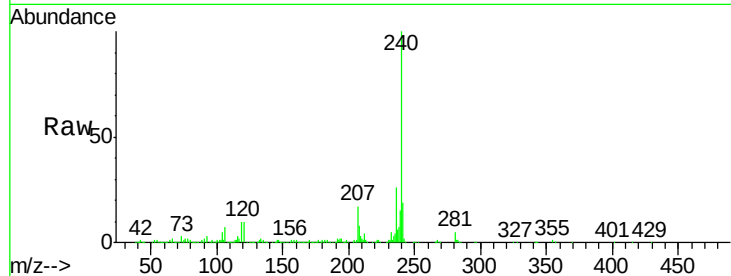
Tot Ion:240 Resp: 547641

Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

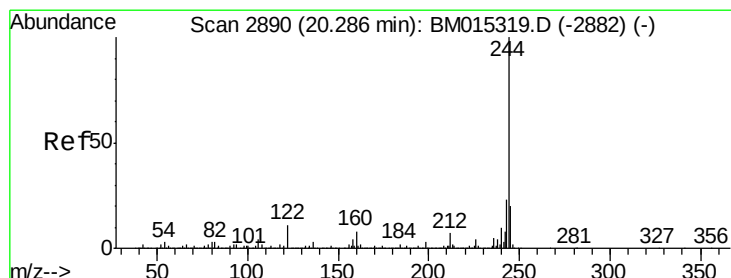
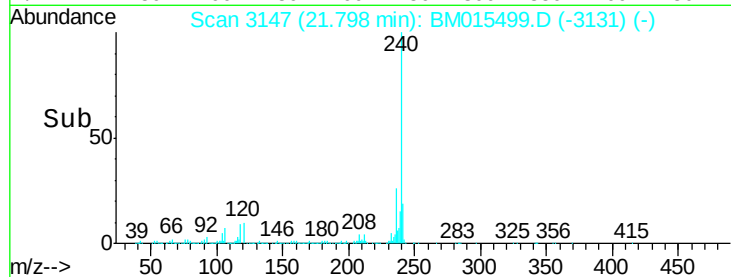
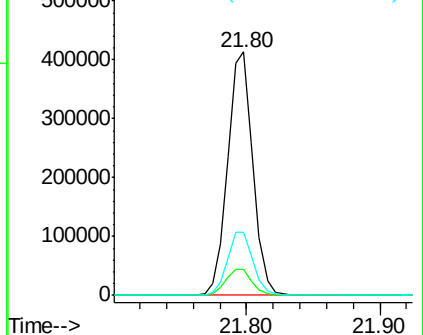
236 26.0 20.0 30.0



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: 127.721 ng

RT: 20.25 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BM015499.D

Acq: 06 Jun 2018 21:11

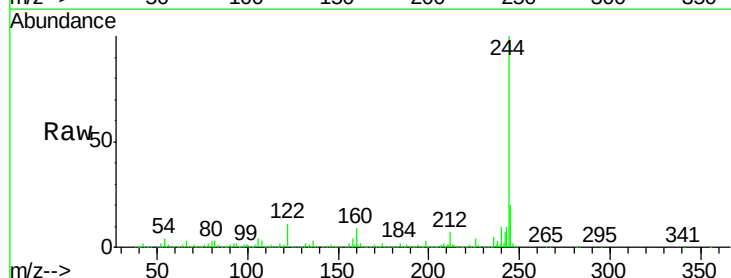
Tgt Ion:244 Resp: 3030339

Ion Ratio Lower Upper

244 100

212 7.5 4.9 7.3#

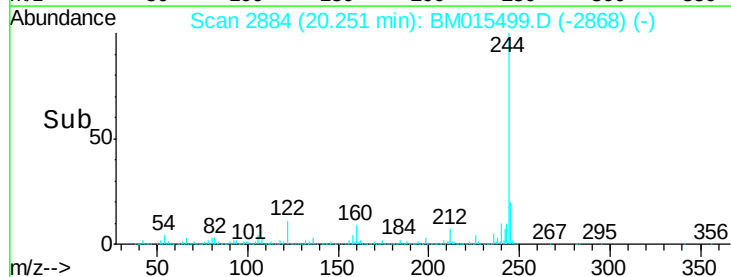
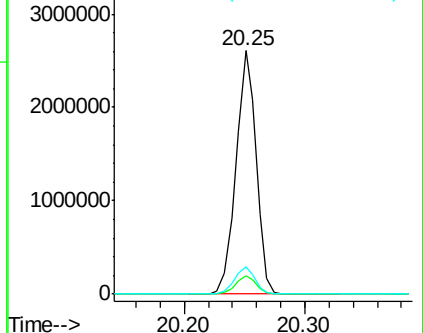
122 11.4 6.2 9.4#



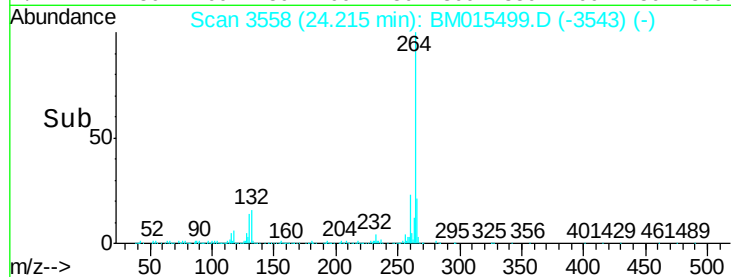
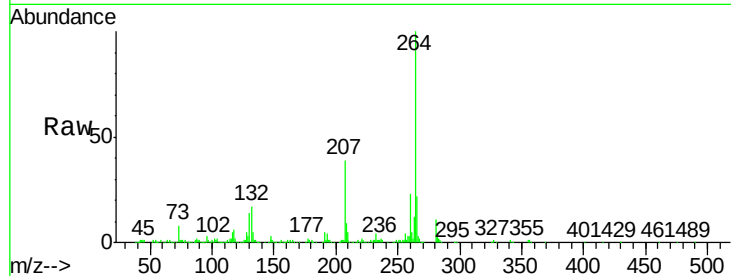
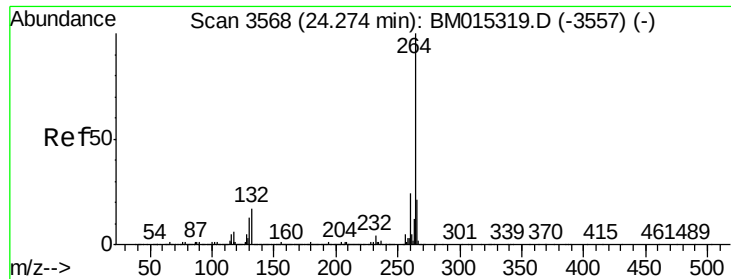
Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.22 min Scan# 3558

Delta R.T. -0.01 min

Lab File: BM015499.D

Acq: 06 Jun 2018 21:11

Instrument :

BNA\_M

ClientSampleId :

ROCKY-SOIL

Tot Ion:264 Resp: 571473

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 22.0 17.3 25.9

