

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072817\  
 Data File : BM011055.D  
 Acq On : 28 Jul 2017 23:08  
 Operator : SJ/JU  
 Sample : I4445-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BLC-IP-OILY-ROCKS-SAND

Quant Time: Jul 29 01:05:21 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 26 17:29:06 2017  
 Response via : Initial Calibration

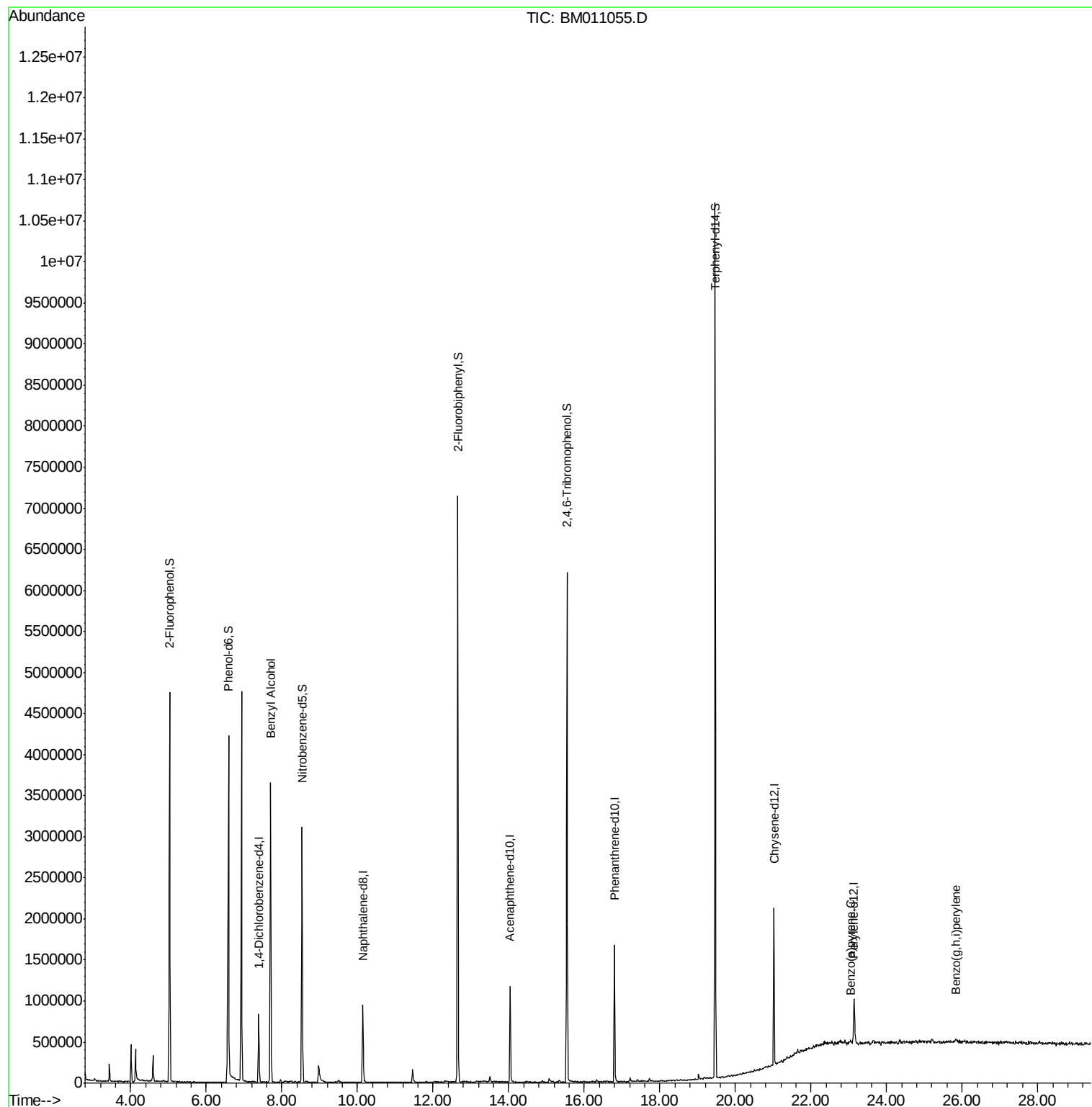
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.39  | 152  | 170391   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.15 | 136  | 617940   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.04 | 164  | 339064   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 16.80 | 188  | 851863   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.02 | 240  | 828907   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.13 | 264  | 106955   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.03  | 112  | 1436690  | 142.53 | ng    | 0.00     |
| 7) Phenol-d6                | 6.59  | 99   | 1736040  | 121.22 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.53  | 82   | 1713373  | 104.06 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.54 | 330  | 856371   | 157.58 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 12.65 | 172  | 3127497  | 115.68 | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.46 | 244  | 4058446  | 96.99  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 15) Benzyl Alcohol          | 7.70  | 79   | 31650    | 2.30   | ng    | # 35     |
| 89) Benzo(a)pyrene          | 23.04 | 252  | 27102    | 4.36   | ng    | 96       |
| 91) Benzo(g,h,i)perylene    | 25.83 | 276  | 34562    | 6.11   | ng    | # 84     |

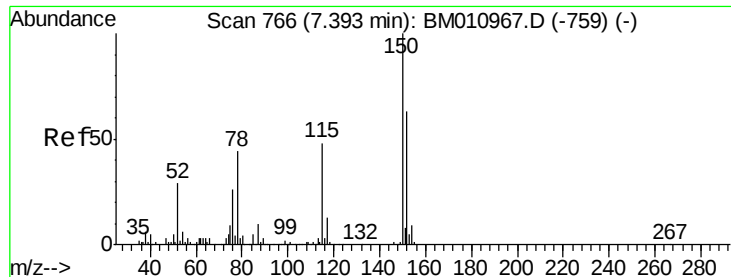
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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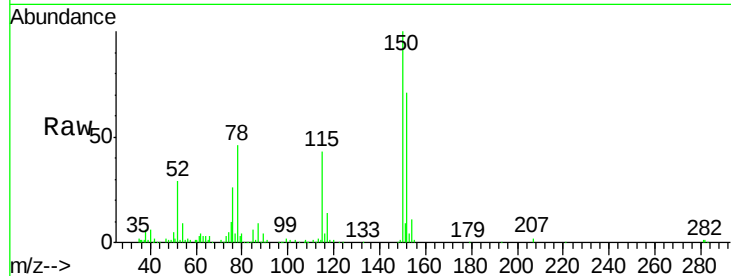


#1

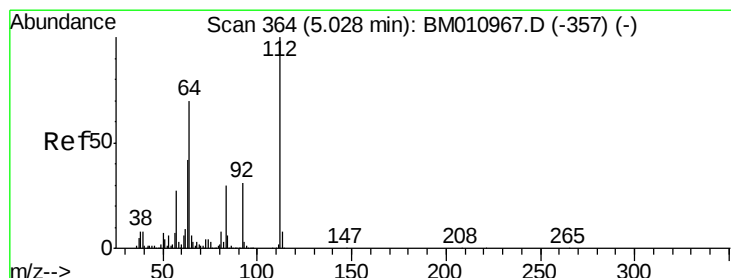
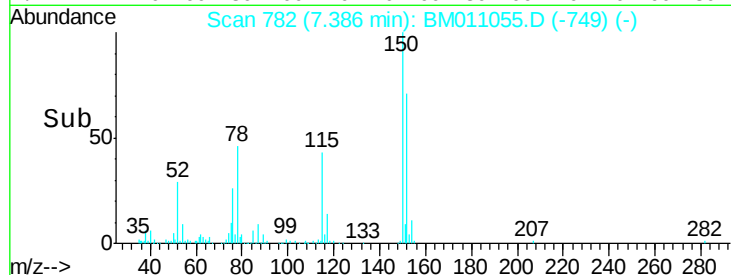
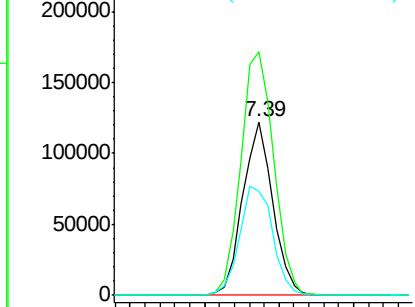
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.39 min Scan# 782  
Delta R.T. -0.01 min  
Lab File: BM011055.D  
Acq: 28 Jul 2017 23:08

Instrument :  
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ClientSampleId :  
BLC-IP-OILY-ROCKS-SAND

Tot Ion:152 Resp: 170391  
Ion Ratio Lower Upper  
152 100  
150 140.5 119.5 179.3  
115 60.2 43.0 64.4



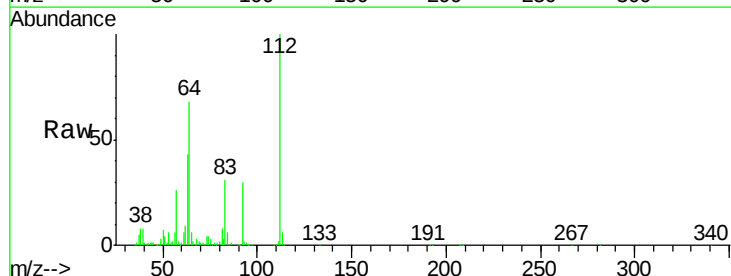
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



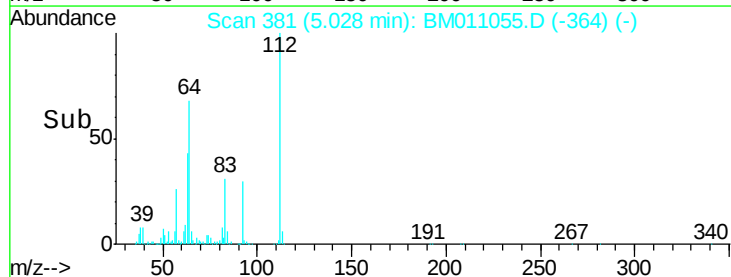
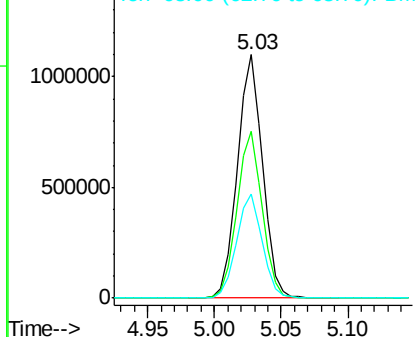
#5

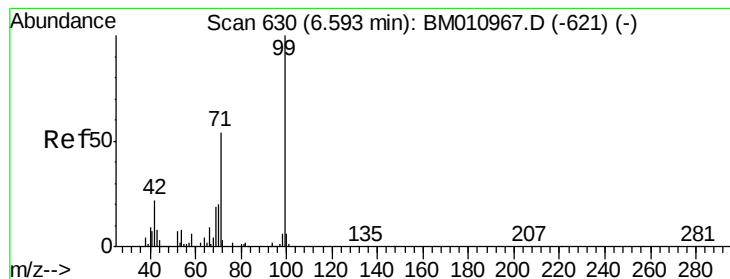
2-Fluorophenol  
Concen: 142.53 ng  
RT: 5.03 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: BM011055.D  
Acq: 28 Jul 2017 23:08

Tgt Ion:112 Resp: 1436690  
Ion Ratio Lower Upper  
112 100  
64 68.4 38.6 57.8#  
63 42.5 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: 121.22 ng

RT: 6.59 min Scan# 646

Delta R.T. -0.01 min

Lab File: BM011055.D

Acq: 28 Jul 2017 23:08

Instrument :

BNA\_M

ClientSampleId :

BLC-IP-OILY-ROCKS-SAND

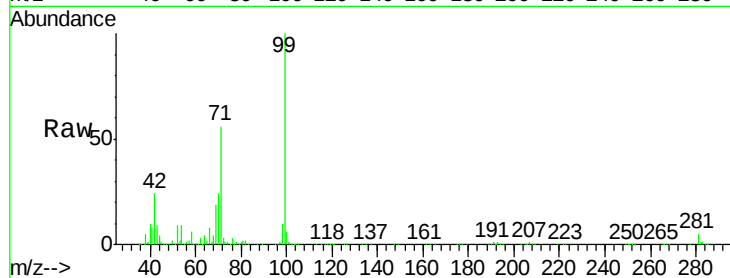
Tot Ion: 99 Resp: 1736040

Ion Ratio Lower Upper

99 100

42 23.7 11.0 16.4#

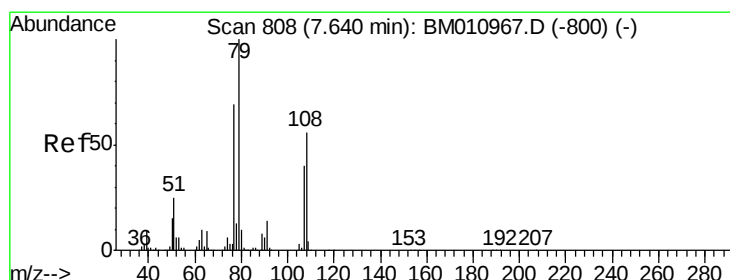
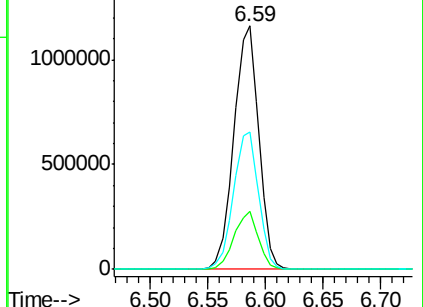
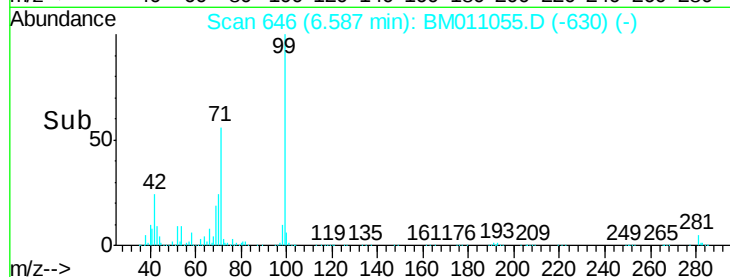
71 56.2 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011055.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM011055.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM011055.D (-630) (-)



#15

Benzyl Alcohol

Concen: 2.30 ng

RT: 7.70 min Scan# 835

Delta R.T. 0.06 min

Lab File: BM011055.D

Acq: 28 Jul 2017 23:08

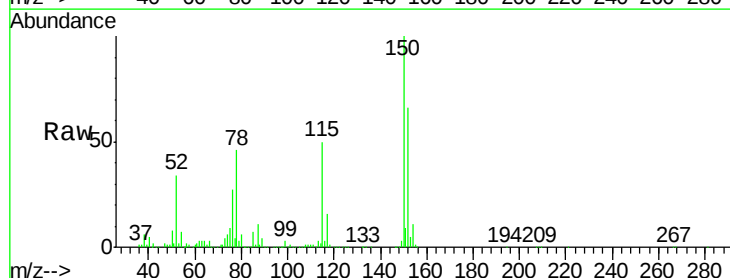
Tgt Ion: 79 Resp: 31650

Ion Ratio Lower Upper

79 100

108 42.1 65.0 97.4#

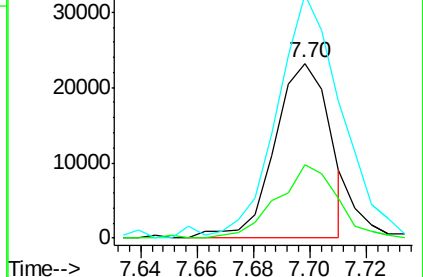
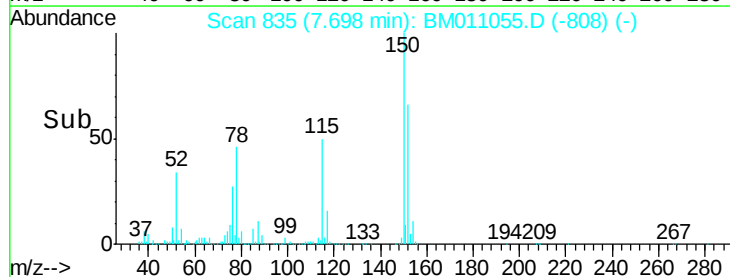
77 139.1 53.0 79.6#

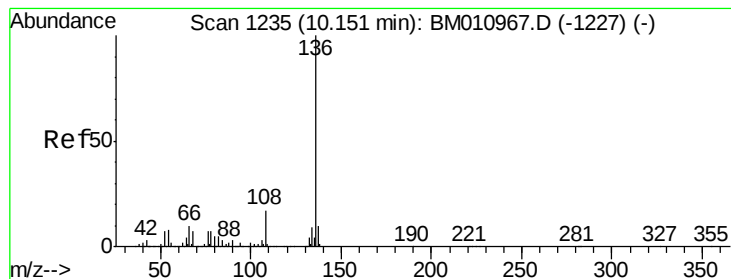


Abundance Ion 79.00 (78.70 to 79.70): BM011055.D (-808) (-)

Ion 108.00 (107.70 to 108.70): BM011055.D (-808) (-)

Ion 77.00 (76.70 to 77.70): BM011055.D (-808) (-)





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.15 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BM011055.D

Acq: 28 Jul 2017 23:08

Instrument :

BNA\_M

ClientSampleId :

BLC-IP-OILY-ROCKS-SAND

Tot Ion:136 Resp: 617940

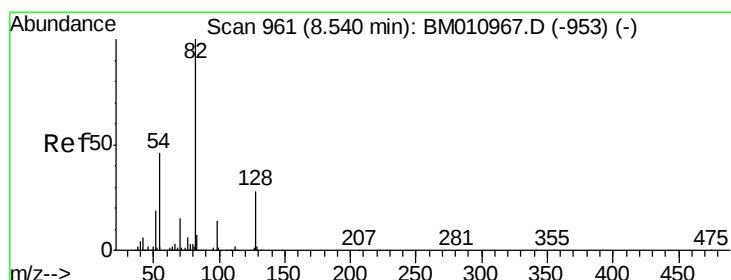
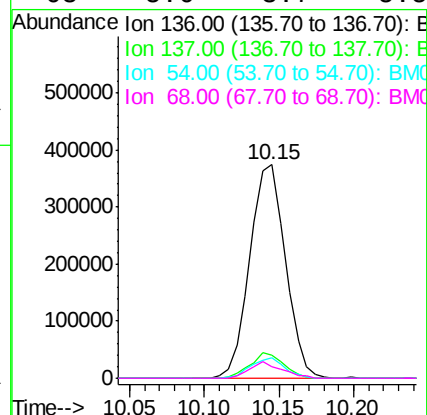
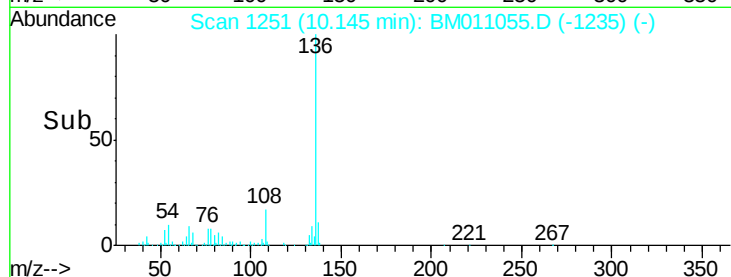
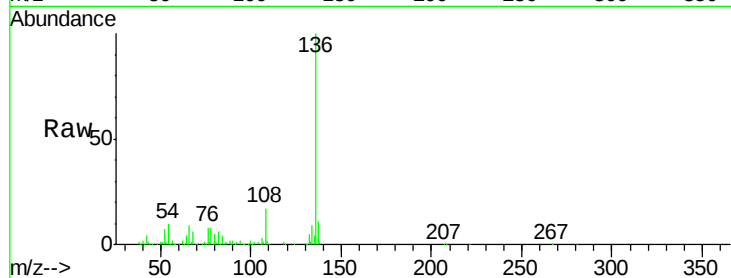
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 8.7   | 13.1  |
| 54  | 9.8   | 4.6   | 6.8#  |
| 68  | 5.6   | 3.7   | 5.5#  |

136 100

137 10.5 8.7 13.1

54 9.8 4.6 6.8#

68 5.6 3.7 5.5#



#23

Nitrobenzene-d5

Concen: 104.06 ng

RT: 8.53 min Scan# 977

Delta R.T. -0.01 min

Lab File: BM011055.D

Acq: 28 Jul 2017 23:08

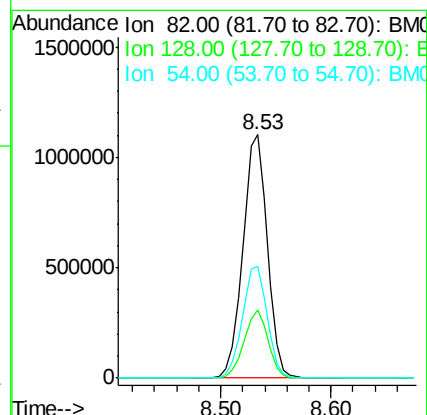
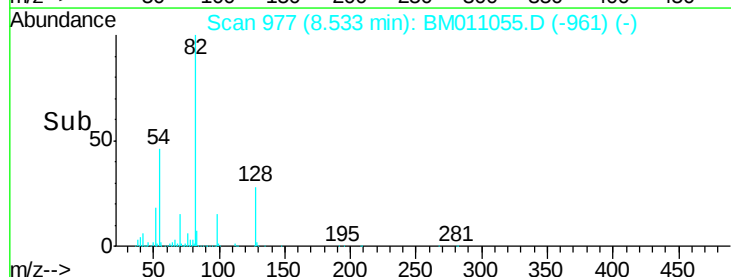
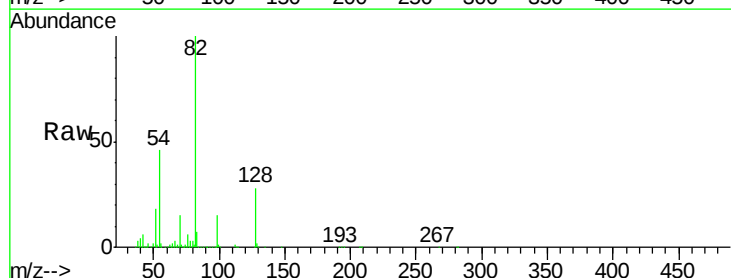
Tgt Ion: 82 Resp: 1713373

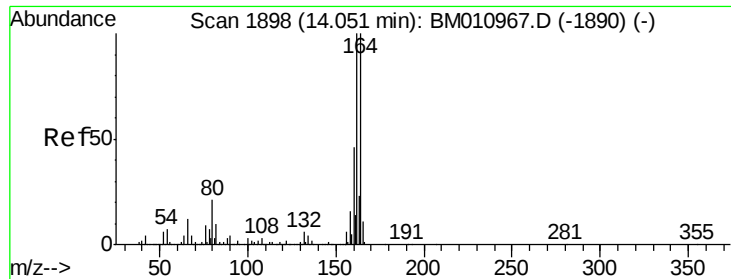
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 27.8  | 32.8  | 49.2# |
| 54  | 46.1  | 40.6  | 60.8  |

82 100

128 27.8 32.8 49.2#

54 46.1 40.6 60.8

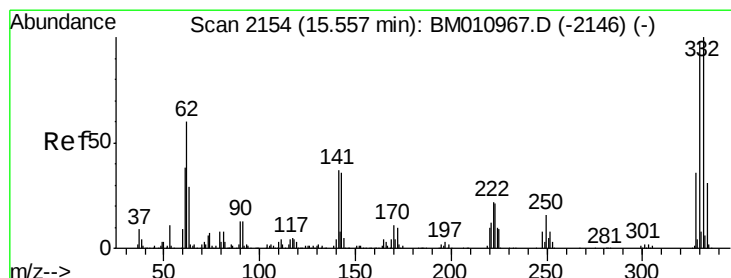
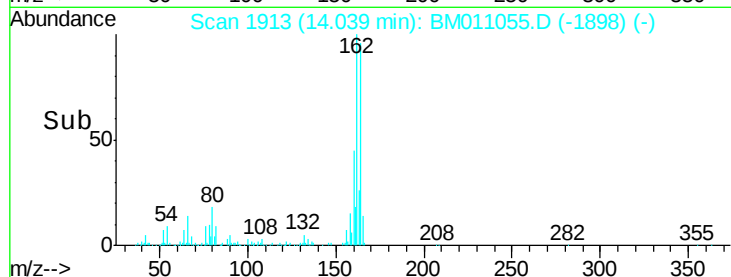
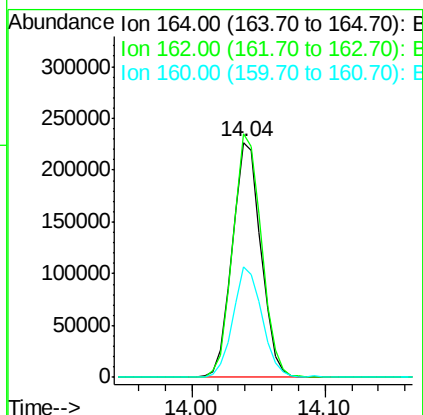
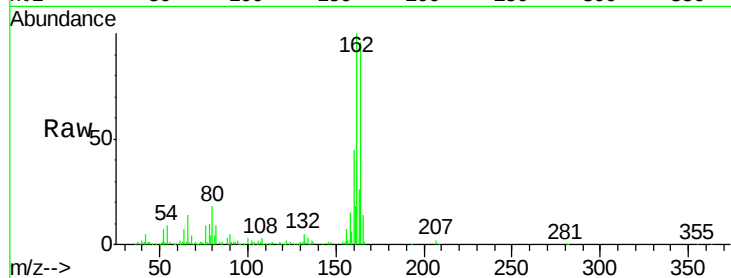




#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.04 min Scan# 1913  
Delta R.T. -0.01 min  
Lab File: BM011055.D  
Acq: 28 Jul 2017 23:08

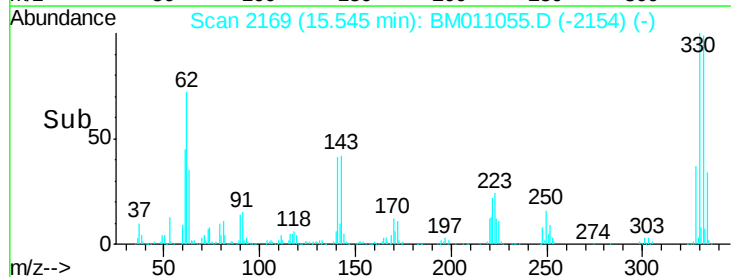
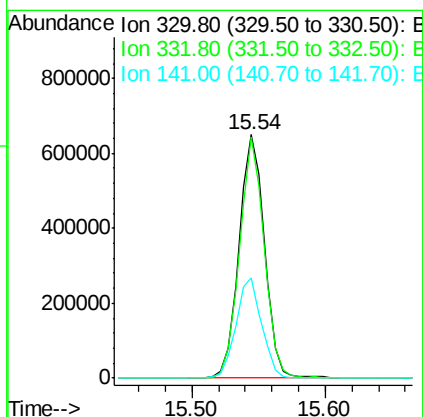
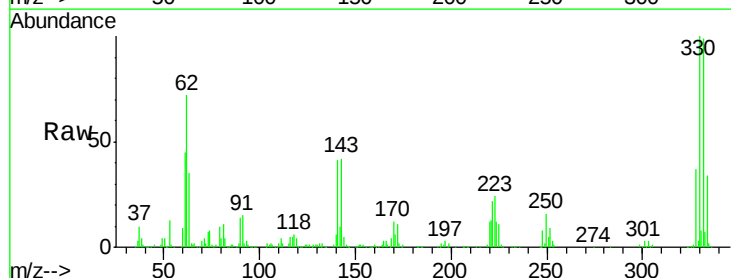
Instrument :  
BNA\_M  
ClientSampleId :  
BLC-IP-OILY-ROCKS-SAND

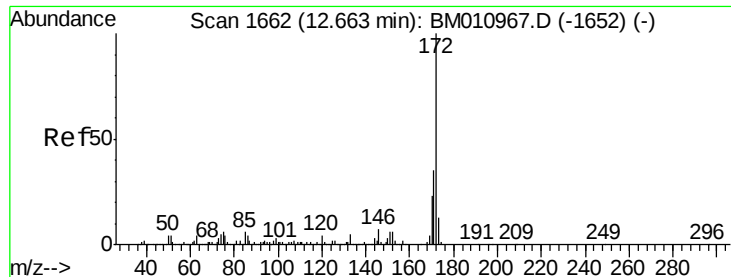
Tot Ion:164 Resp: 339064  
Ion Ratio Lower Upper  
164 100  
162 103.7 82.4 123.6  
160 47.1 35.8 53.6



#41  
2,4,6-Tribromophenol  
Concen: 157.58 ng  
RT: 15.54 min Scan# 2169  
Delta R.T. -0.01 min  
Lab File: BM011055.D  
Acq: 28 Jul 2017 23:08

Tgt Ion:330 Resp: 856371  
Ion Ratio Lower Upper  
330 100  
332 95.8 0.0 0.0#  
141 41.6 0.0 0.0#

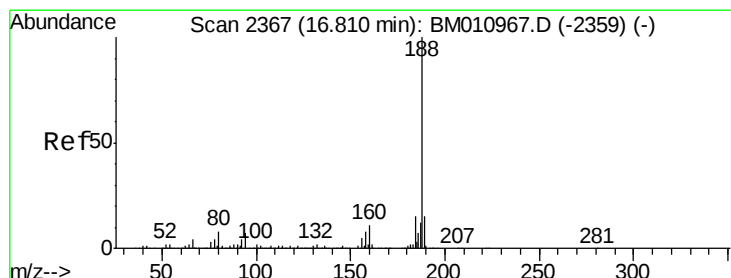
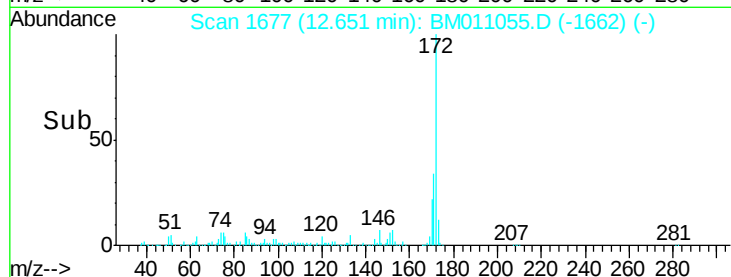
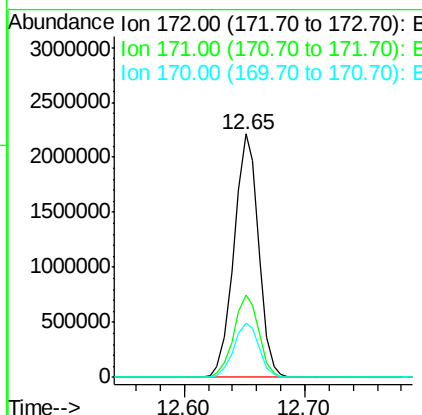
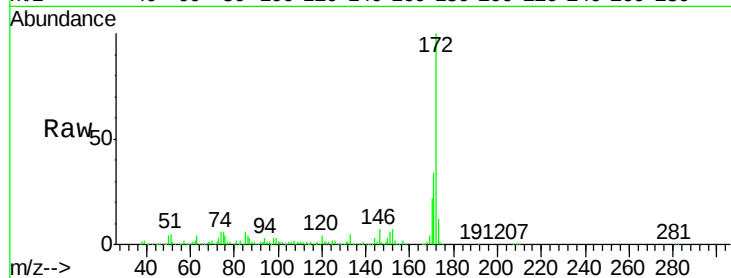




#44  
2-Fluorobiphenyl  
Concen: 115.68 ng  
RT: 12.65 min Scan# 1677  
Delta R.T. -0.01 min  
Lab File: BM011055.D  
Acq: 28 Jul 2017 23:08

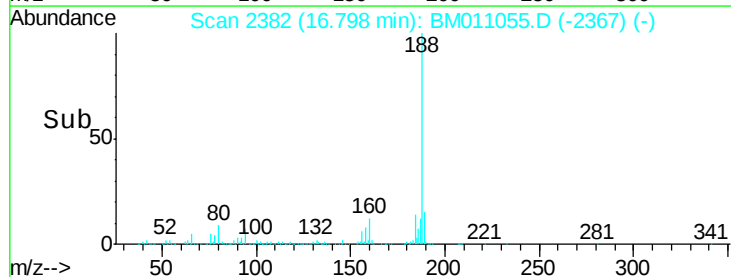
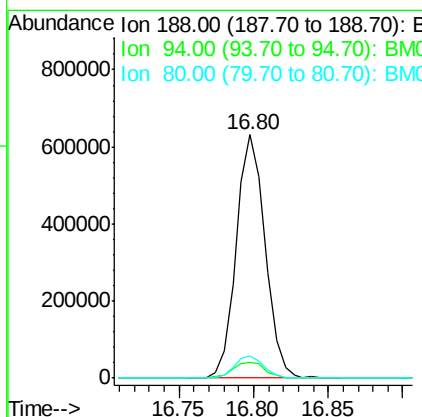
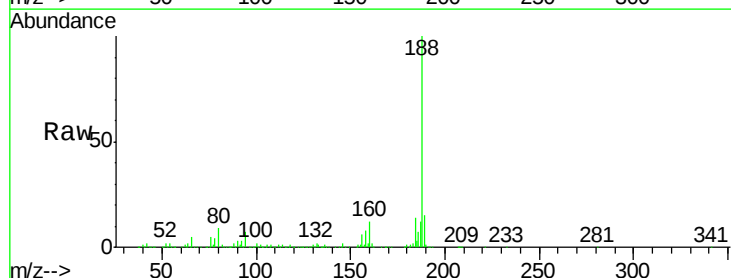
Instrument :  
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ClientSampleId :  
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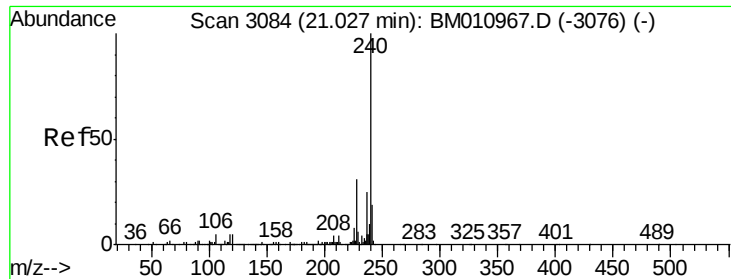
Tot Ion:172 Resp: 3127497  
Ion Ratio Lower Upper  
172 100  
171 34.1 28.5 42.7  
170 22.3 18.8 28.2



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.80 min Scan# 2382  
Delta R.T. -0.01 min  
Lab File: BM011055.D  
Acq: 28 Jul 2017 23:08

Tgt Ion:188 Resp: 851863  
Ion Ratio Lower Upper  
188 100  
94 6.6 8.7 13.1#  
80 9.0 9.3 13.9#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.02 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BM011055.D

Acq: 28 Jul 2017 23:08

Instrument :

BNA\_M

ClientSampleId :

BLC-IP-OILY-ROCKS-SAND

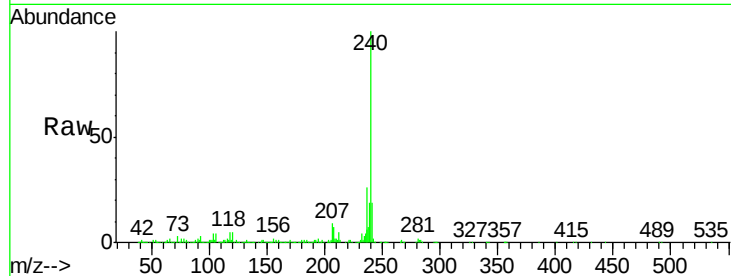
Tot Ion:240 Resp: 828907

Ion Ratio Lower Upper

240 100

120 5.3 8.2 12.2#

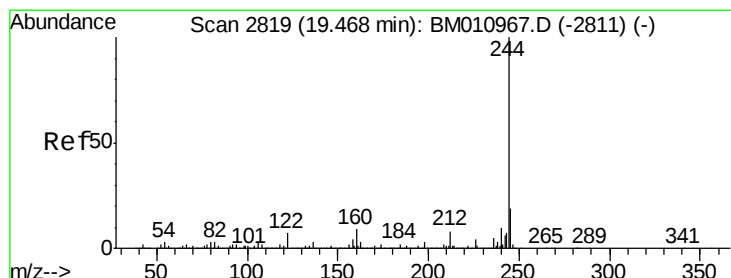
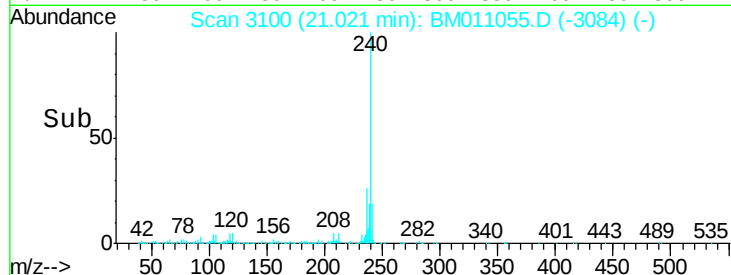
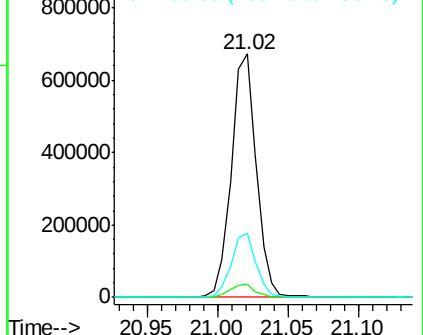
236 26.2 20.0 30.0



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: 96.99 ng

RT: 19.46 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM011055.D

Acq: 28 Jul 2017 23:08

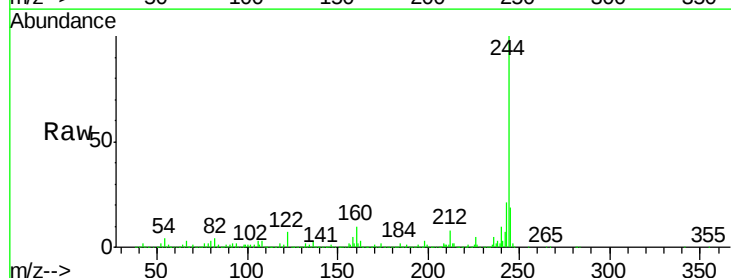
Tgt Ion:244 Resp: 4058446

Ion Ratio Lower Upper

244 100

212 7.8 4.9 7.3#

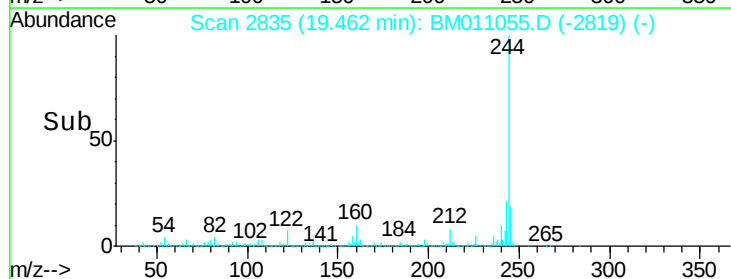
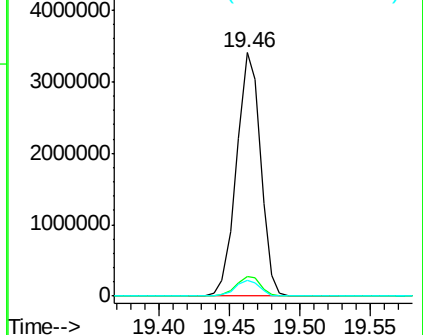
122 6.7 6.2 9.4

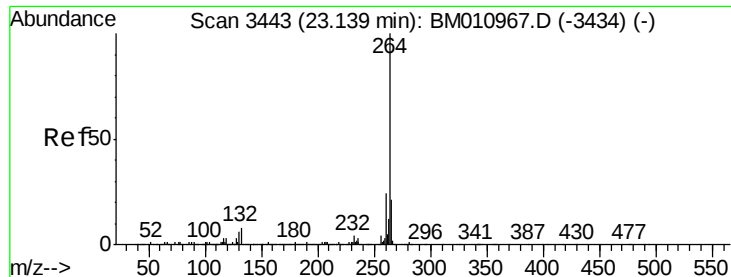


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

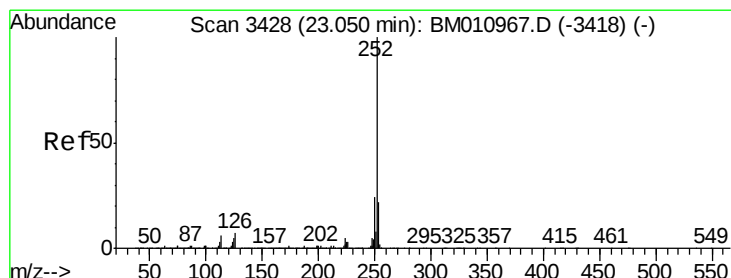
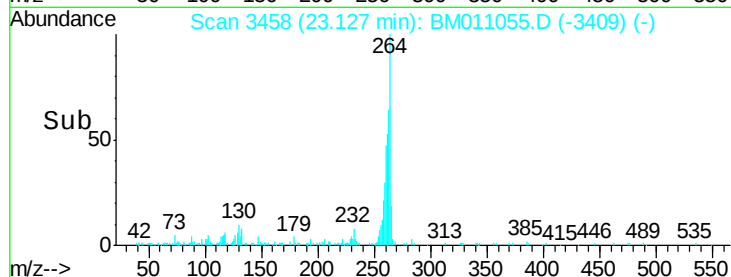
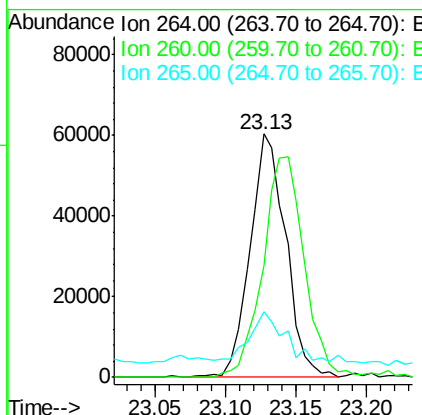
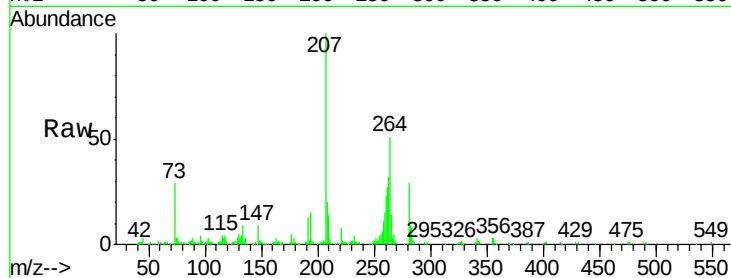




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 23.13 min Scan# 3458  
Delta R.T. -0.01 min  
Lab File: BM011055.D  
Acq: 28 Jul 2017 23:08

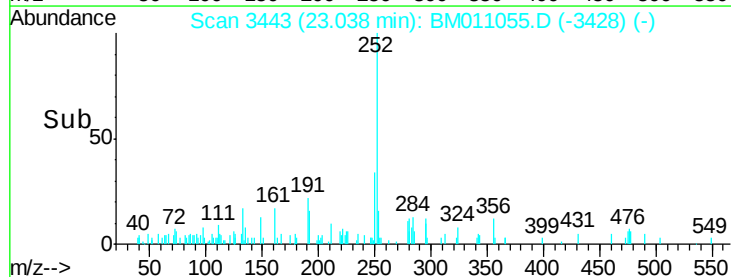
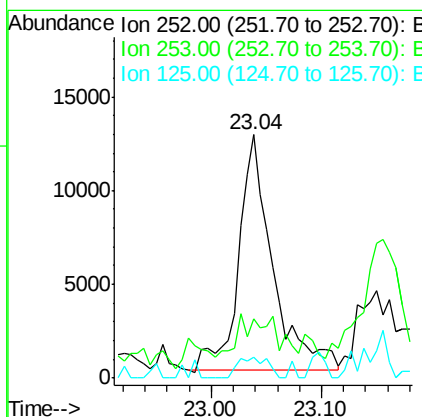
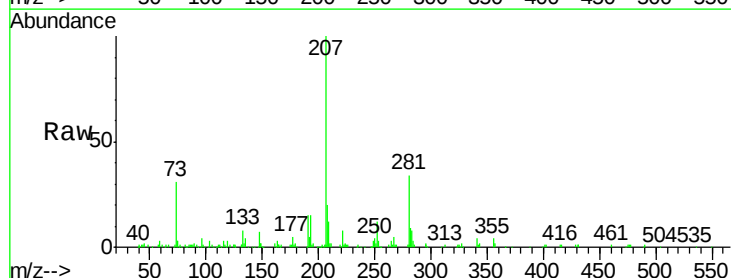
Instrument :  
BNA\_M  
ClientSampleId :  
BLC-IP-OILY-ROCKS-SAND

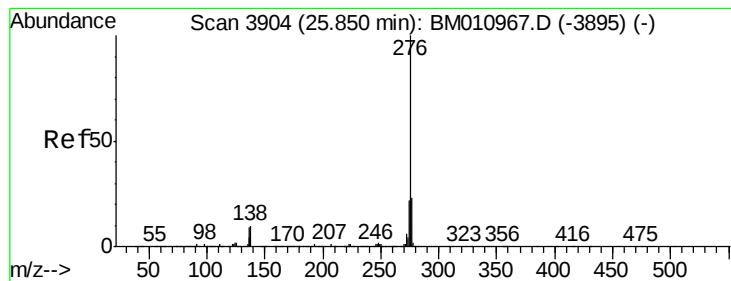
Tot Ion:264 Resp: 106955  
Ion Ratio Lower Upper  
264 100  
260 46.1 18.6 27.8#  
265 26.8 17.3 25.9#



#89  
Benzo(a)pyrene  
Concen: 4.36 ng  
RT: 23.04 min Scan# 3443  
Delta R.T. -0.01 min  
Lab File: BM011055.D  
Acq: 28 Jul 2017 23:08

Tgt Ion:252 Resp: 27102  
Ion Ratio Lower Upper  
252 100  
253 24.1 17.6 26.4  
125 8.4 7.4 11.2





#91

Benzo(a,h,i)perylene

Concen: 6.11 ng

RT: 25.83 min Scan# 3918

Delta R.T. -0.02 min

Lab File: BM011055.D

Acq: 28 Jul 2017 23:08

Instrument :

BNA\_M

ClientSampleId :

BLC-IP-OILY-ROCKS-SAND

Tot Ion: 276 Resp: 34562

Ion Ratio Lower Upper

276 100

277 23.8 18.5 27.7

138 8.7 19.0 28.6#

