

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070918\  
 Data File : BM015863.D  
 Acq On : 10 Jul 2018 04:15  
 Operator : SJ/JU  
 Sample : J3893-04  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BS-S-7-SOIL

Quant Time: Jul 10 07:03:12 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 05 17:39:50 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.30  | 152  | 62847    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 11.13 | 136  | 237919   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.92 | 164  | 148267   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.64 | 188  | 362733   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.75 | 240  | 372174   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.15 | 264  | 344958   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.80  | 112  | 540820   | 147.58 | ng    | -0.01    |
| 7) Phenol-d6                | 7.45  | 99   | 618935   | 123.37 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.49  | 82   | 556178   | 114.06 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 347903   | 179.58 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.55 | 172  | 1216074  | 101.83 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.21 | 244  | 2453041  | 122.26 | ng    | -0.01    |

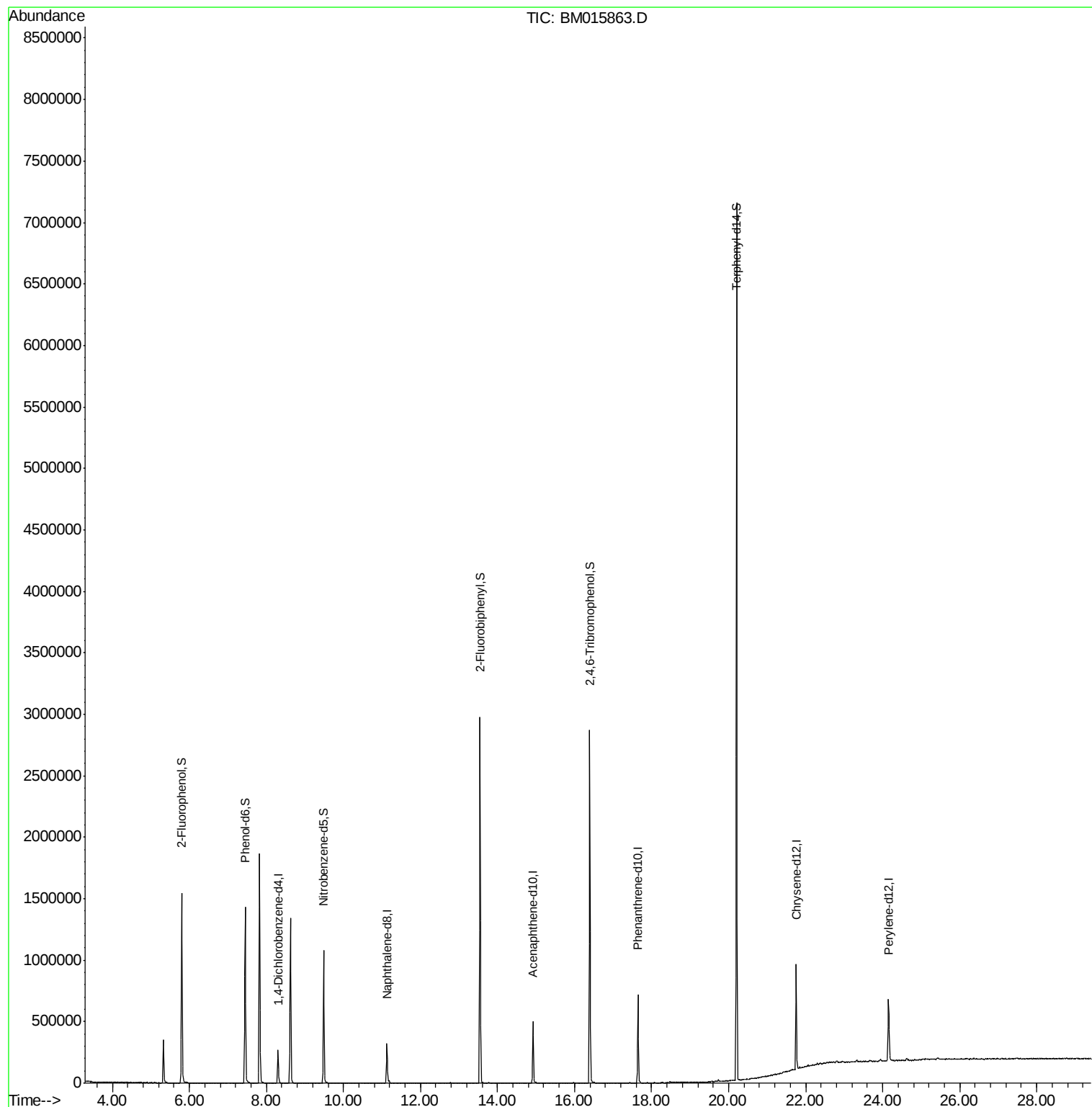
Target Compounds Qvalue

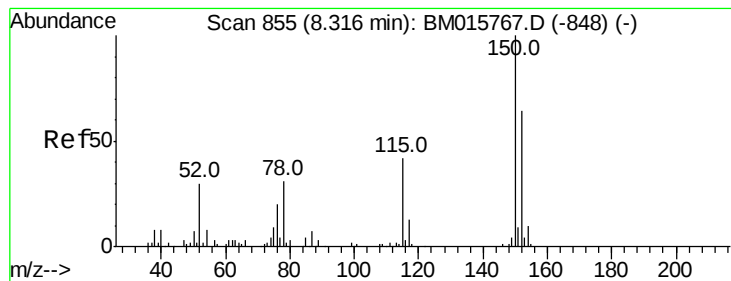
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



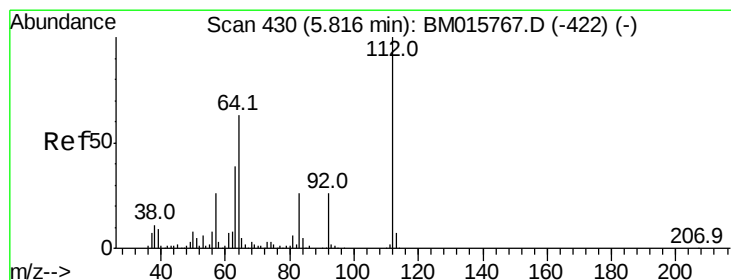
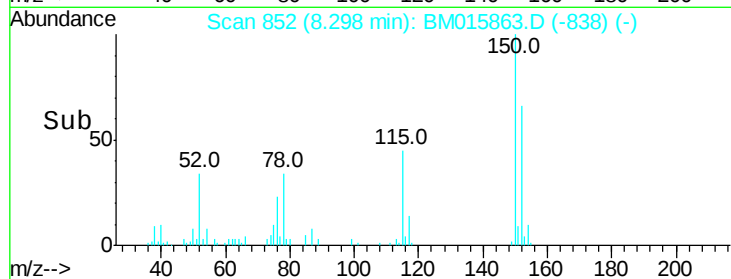
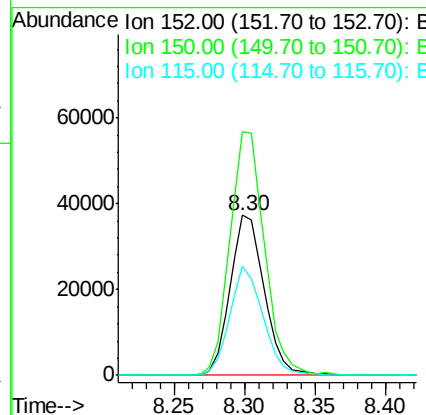
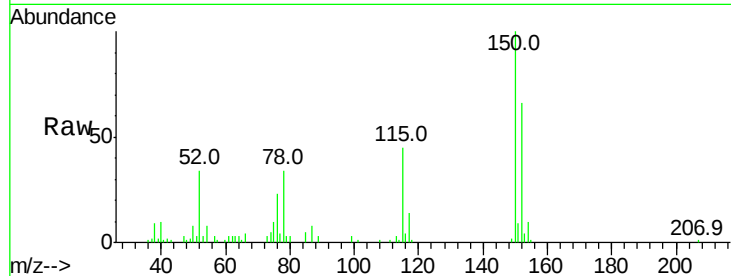


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.30 min Scan# 852  
Delta R.T. -0.02 min  
Lab File: BM015863.D  
Acq: 10 Jul 2018 04:15

Instrument :  
BNA\_M  
ClientSampleId :  
BS-S-7-SOIL

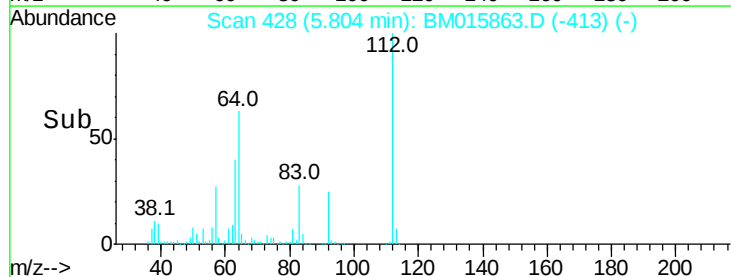
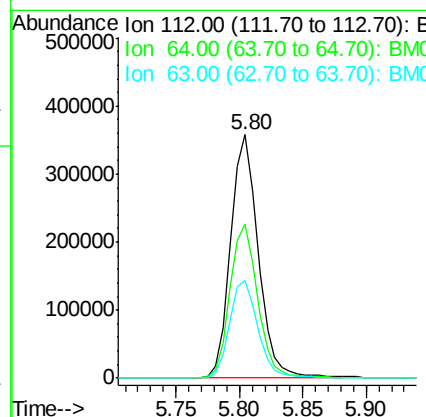
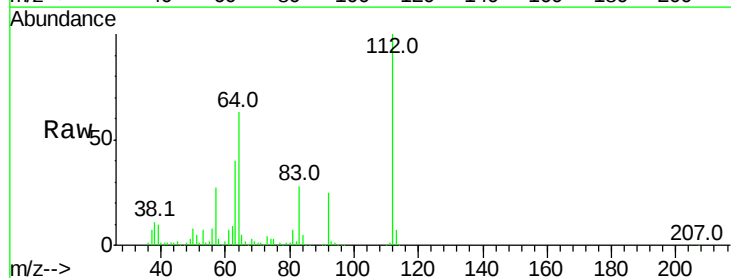
Tot Ion:152 Resp: 62847  
Ion Ratio Lower Upper  
152 100  
150 152.1 119.5 179.3  
115 67.9 43.0 64.4#

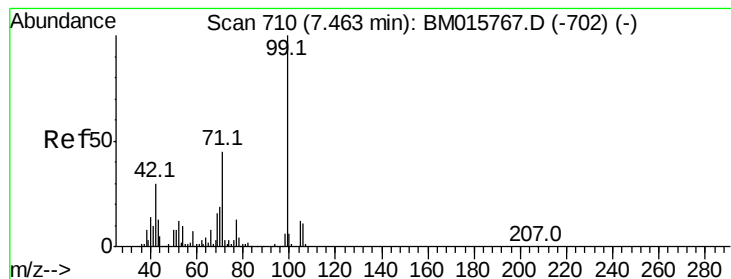


#5

2-Fluorophenol  
Concen: Below ng  
RT: 5.80 min Scan# 428  
Delta R.T. -0.01 min  
Lab File: BM015863.D  
Acq: 10 Jul 2018 04:15

Tgt Ion:112 Resp: 540820  
Ion Ratio Lower Upper  
112 100  
64 63.4 38.6 57.8#  
63 39.9 19.3 28.9#





#7

Phenol-d6

Concen: N.D. ng

RT: 7.45 min Scan# 708

Delta R.T. -0.01 min

Lab File: BM015863.D

Acq: 10 Jul 2018 04:15

Instrument :

BNA\_M

ClientSampleId :

BS-S-7-SOIL

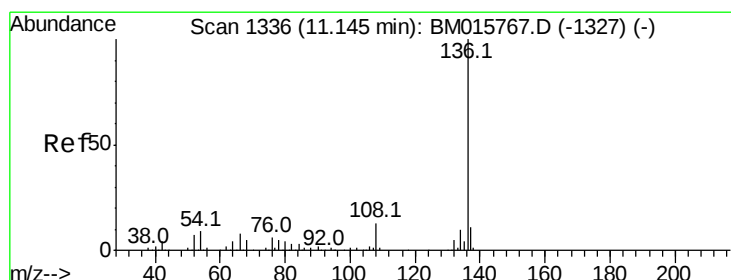
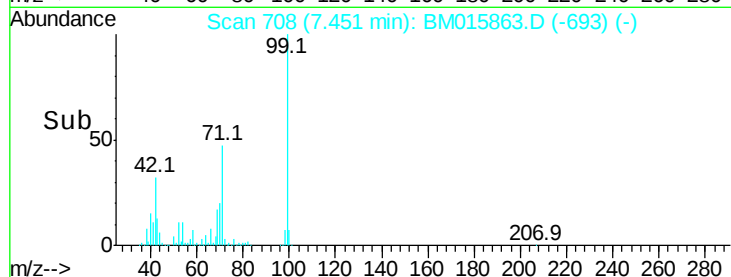
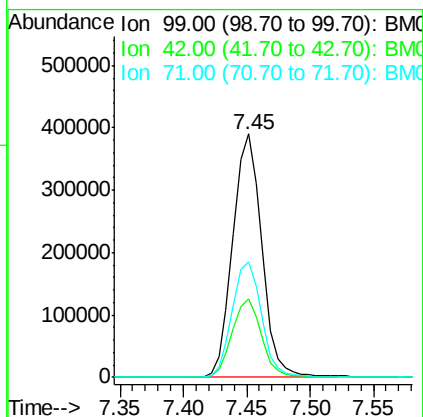
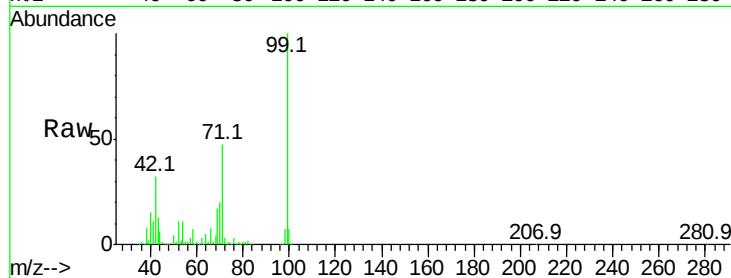
Tot Ion: 99 Resp: 618935

Ion Ratio Lower Upper

99 100

42 32.4 11.0 16.4#

71 47.5 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.13 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BM015863.D

Acq: 10 Jul 2018 04:15

Tgt Ion: 136 Resp: 237919

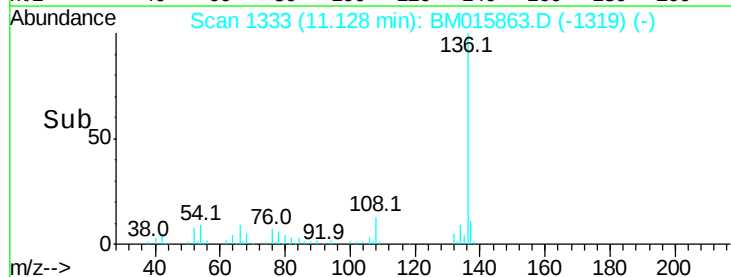
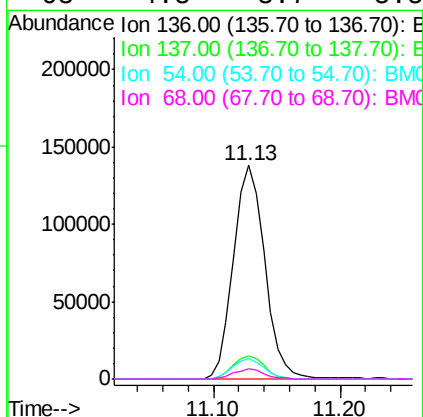
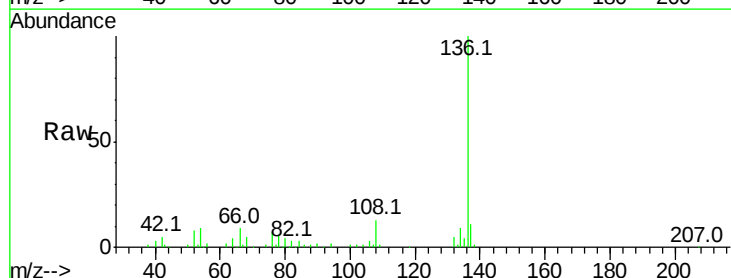
Ion Ratio Lower Upper

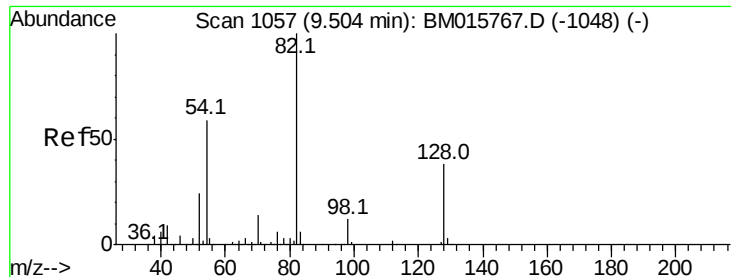
136 100

137 10.6 8.7 13.1

54 9.4 4.6 6.8#

68 4.8 3.7 5.5

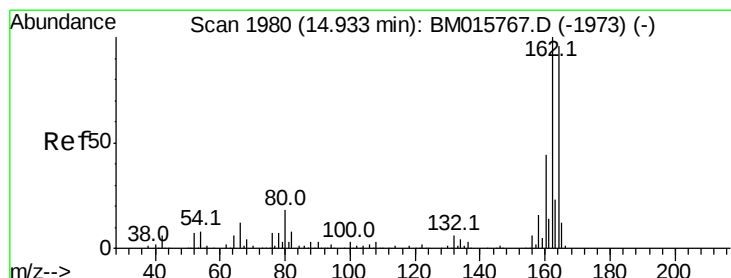
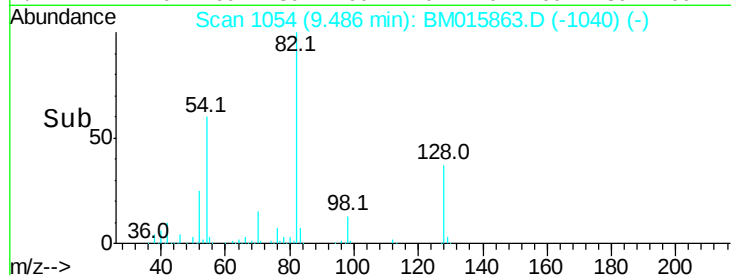
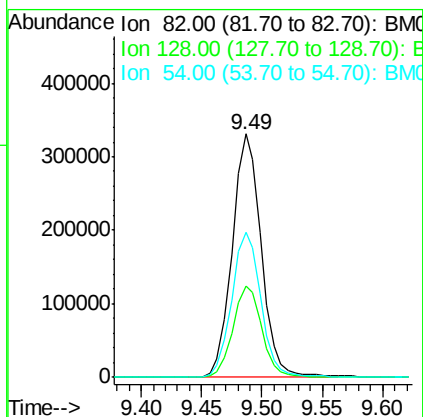
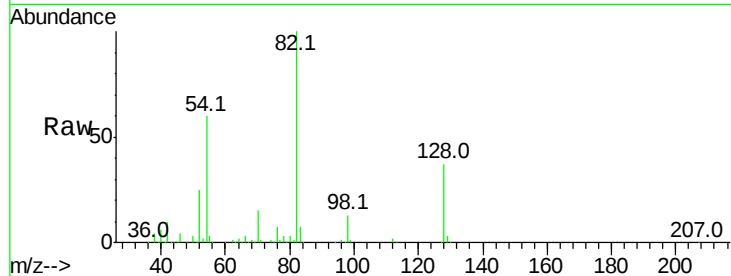




#23  
Nitrobenzene-d5  
Concen: Below na  
RT: 9.49 min Scan# 1054  
Delta R.T. -0.02 min  
Lab File: BM015863.D  
Acq: 10 Jul 2018 04:15

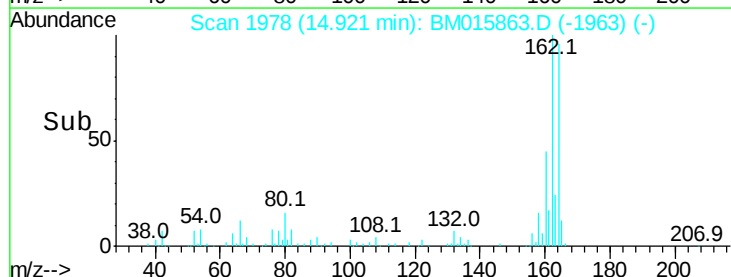
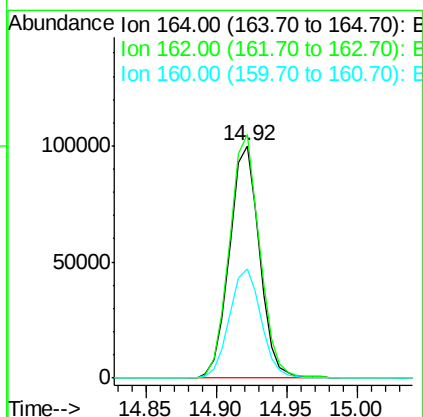
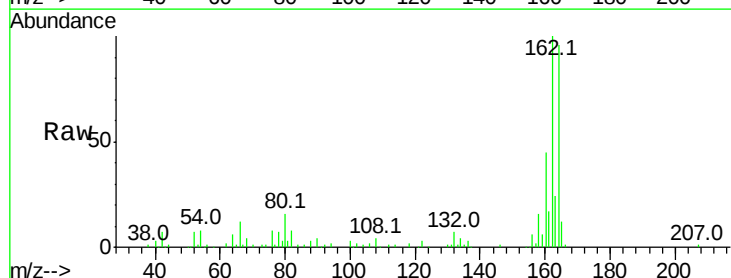
Instrument :  
BNA\_M  
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BS-S-7-SOIL

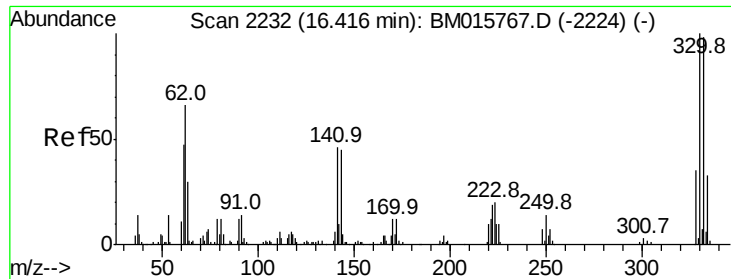
Tot Ion: 82 Resp: 556178  
Ion Ratio Lower Upper  
82 100  
128 37.4 32.8 49.2  
54 59.7 40.6 60.8



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.92 min Scan# 1978  
Delta R.T. -0.01 min  
Lab File: BM015863.D  
Acq: 10 Jul 2018 04:15

Tgt Ion:164 Resp: 148267  
Ion Ratio Lower Upper  
164 100  
162 104.7 82.4 123.6  
160 47.2 35.8 53.6

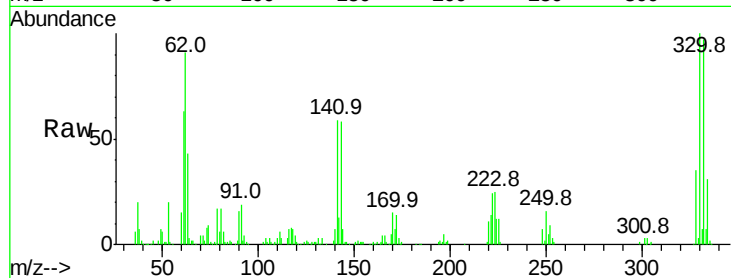




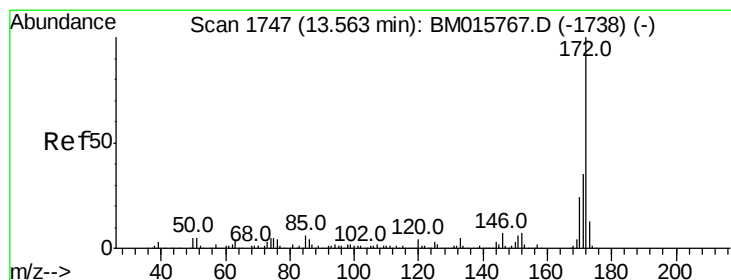
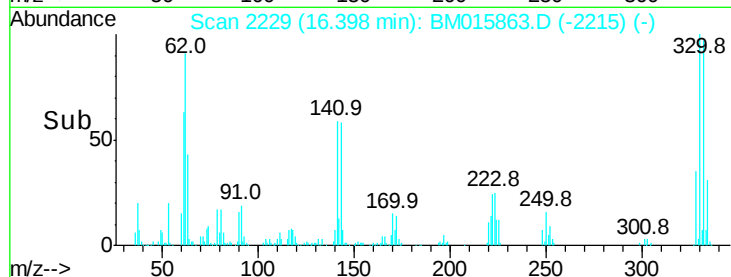
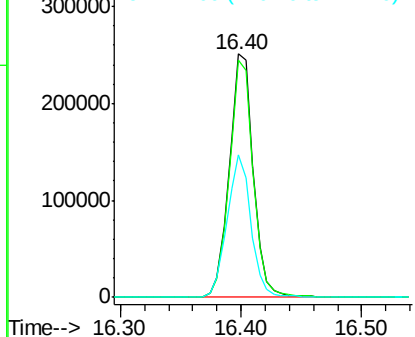
#41  
 2,4,6-Tribromophenol  
 Concen: N.D. ng  
 RT: 16.40 min Scan# 2229  
 Delta R.T. -0.02 min  
 Lab File: BM015863.D  
 Acq: 10 Jul 2018 04:15

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BS-S-7-SOIL

Tot Ion:330 Resp: 347903  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 0.0 0.0#  
 141 58.2 0.0 0.0#

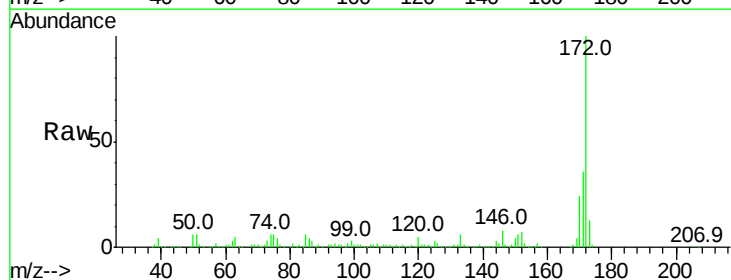


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

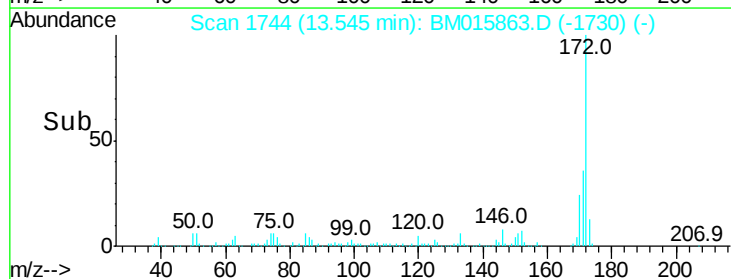
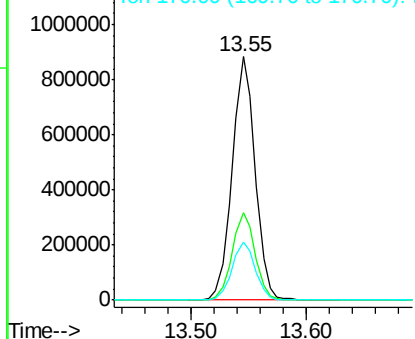


#44  
 2-Fluorobiphenyl  
 Concen: N.D. ng  
 RT: 13.55 min Scan# 1744  
 Delta R.T. -0.02 min  
 Lab File: BM015863.D  
 Acq: 10 Jul 2018 04:15

Tgt Ion:172 Resp: 1216074  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 28.5 42.7  
 170 24.0 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

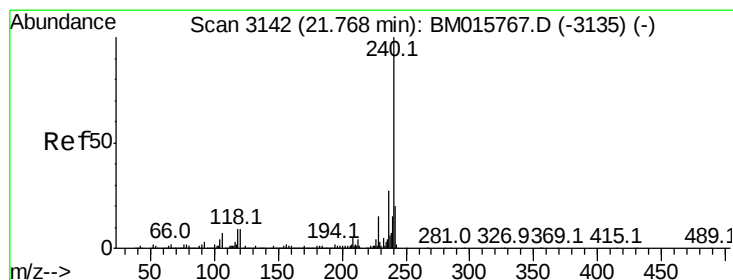
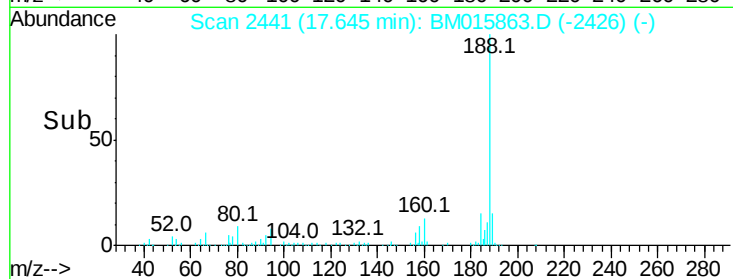
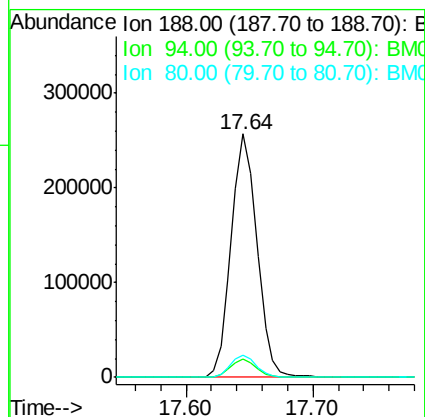
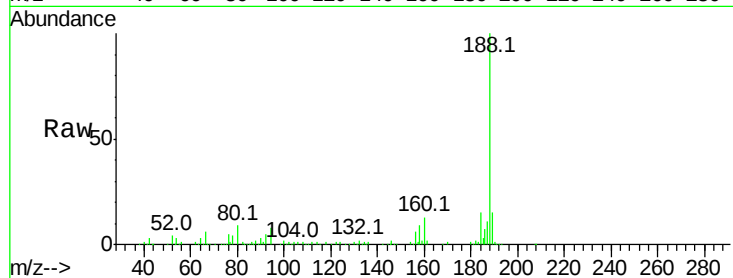




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.64 min Scan# 2441  
Delta R.T. -0.01 min  
Lab File: BM015863.D  
Acq: 10 Jul 2018 04:15

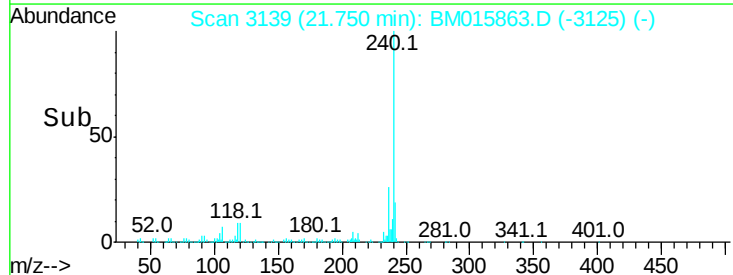
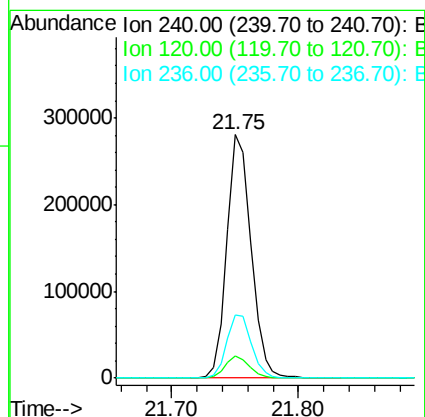
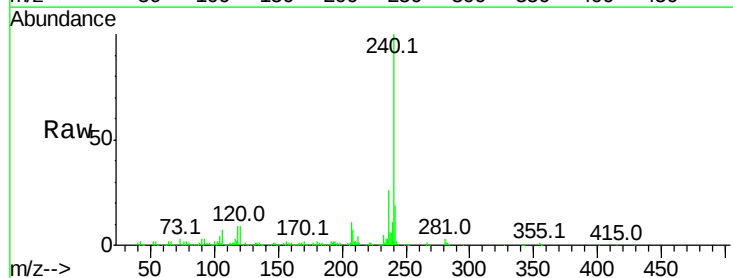
Instrument :  
BNA\_M  
ClientSampleId :  
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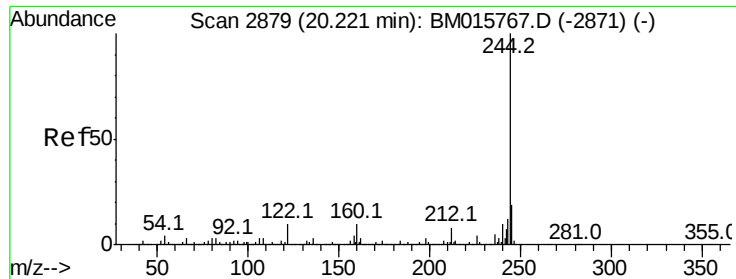
Tot Ion:188 Resp: 362733  
Ion Ratio Lower Upper  
188 100  
94 7.8 8.7 13.1#  
80 9.1 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.75 min Scan# 3139  
Delta R.T. -0.02 min  
Lab File: BM015863.D  
Acq: 10 Jul 2018 04:15

Tgt Ion:240 Resp: 372174  
Ion Ratio Lower Upper  
240 100  
120 9.2 8.2 12.2  
236 25.7 20.0 30.0





#78

Terphenyl-d14

Concen: Below na

RT: 20.21 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BM015863.D

Acq: 10 Jul 2018 04:15

Instrument :

BNA\_M

ClientSampleId :

BS-S-7-SOIL

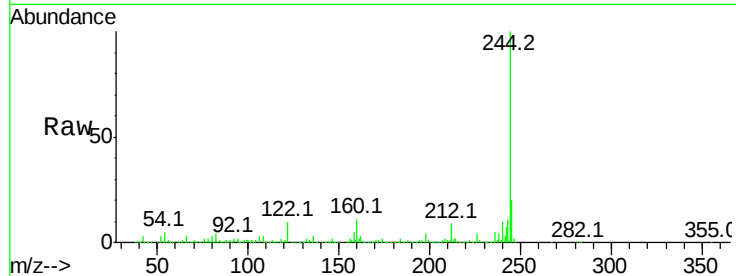
Tot Ion:244 Resp: 2453041

Ion Ratio Lower Upper

244 100

212 8.7 4.9 7.3#

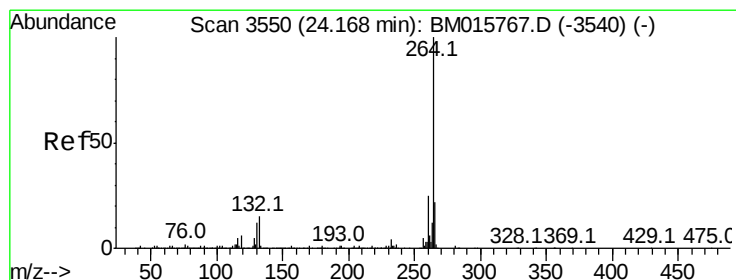
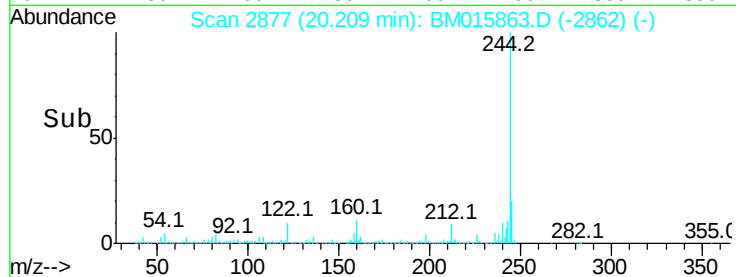
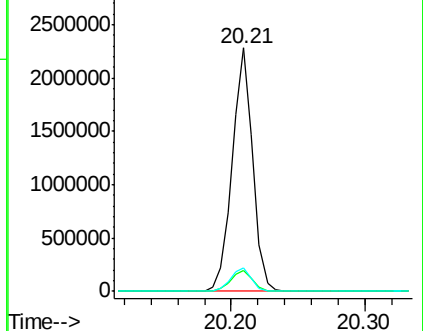
122 9.8 6.2 9.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.15 min Scan# 3547

Delta R.T. -0.02 min

Lab File: BM015863.D

Acq: 10 Jul 2018 04:15

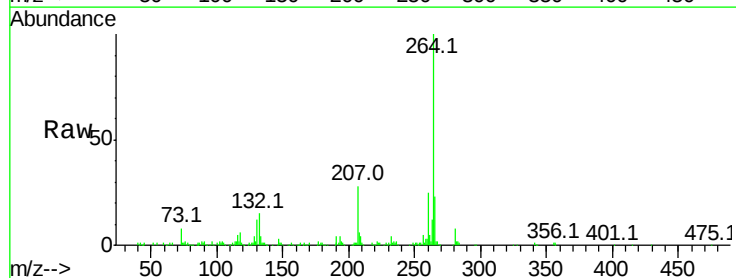
Tgt Ion:264 Resp: 344958

Ion Ratio Lower Upper

264 100

260 24.9 18.6 27.8

265 22.6 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

