

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111715\  
 Data File : BF082975.D  
 Acq On : 17 Nov 2015 19:36  
 Operator : UM/IZ  
 Sample : G4439-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-SOIL-006

Quant Time: Nov 18 05:01:39 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 17 04:41:30 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 176415   | 20.00  | ng    | -0.10    |
| 21) Naphthalene-d8          | 8.04  | 136  | 693532   | 20.00  | ng    | -0.10    |
| 38) Acenaphthene-d10        | 9.79  | 164  | 352406   | 20.00  | ng    | -0.10    |
| 63) Phenanthrene-d10        | 11.28 | 188  | 678488   | 20.00  | ng    | -0.10    |
| 75) Chrysene-d12            | 13.91 | 240  | 658623   | 20.00  | ng    | -0.11    |
| 86) Perylene-d12            | 15.30 | 264  | 506489   | 20.00  | ng    | -0.16    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 1364446  | 120.34 | ng    | -0.07    |
| 7) Phenol-d6                | 6.41  | 99   | 1476511  | 97.96  | ng    | -0.08    |
| 23) Nitrobenzene-d5         | 7.32  | 82   | 1351803  | 84.81  | ng    | -0.09    |
| 41) 2,4,6-Tribromophenol    | 10.58 | 330  | 456928   | 113.08 | ng    | -0.10    |
| 44) 2-Fluorobiphenyl        | 9.12  | 172  | 2026662  | 82.42  | ng    | -0.10    |
| 78) Terphenyl-d14           | 12.87 | 244  | 1930993  | 69.54  | ng    | -0.10    |

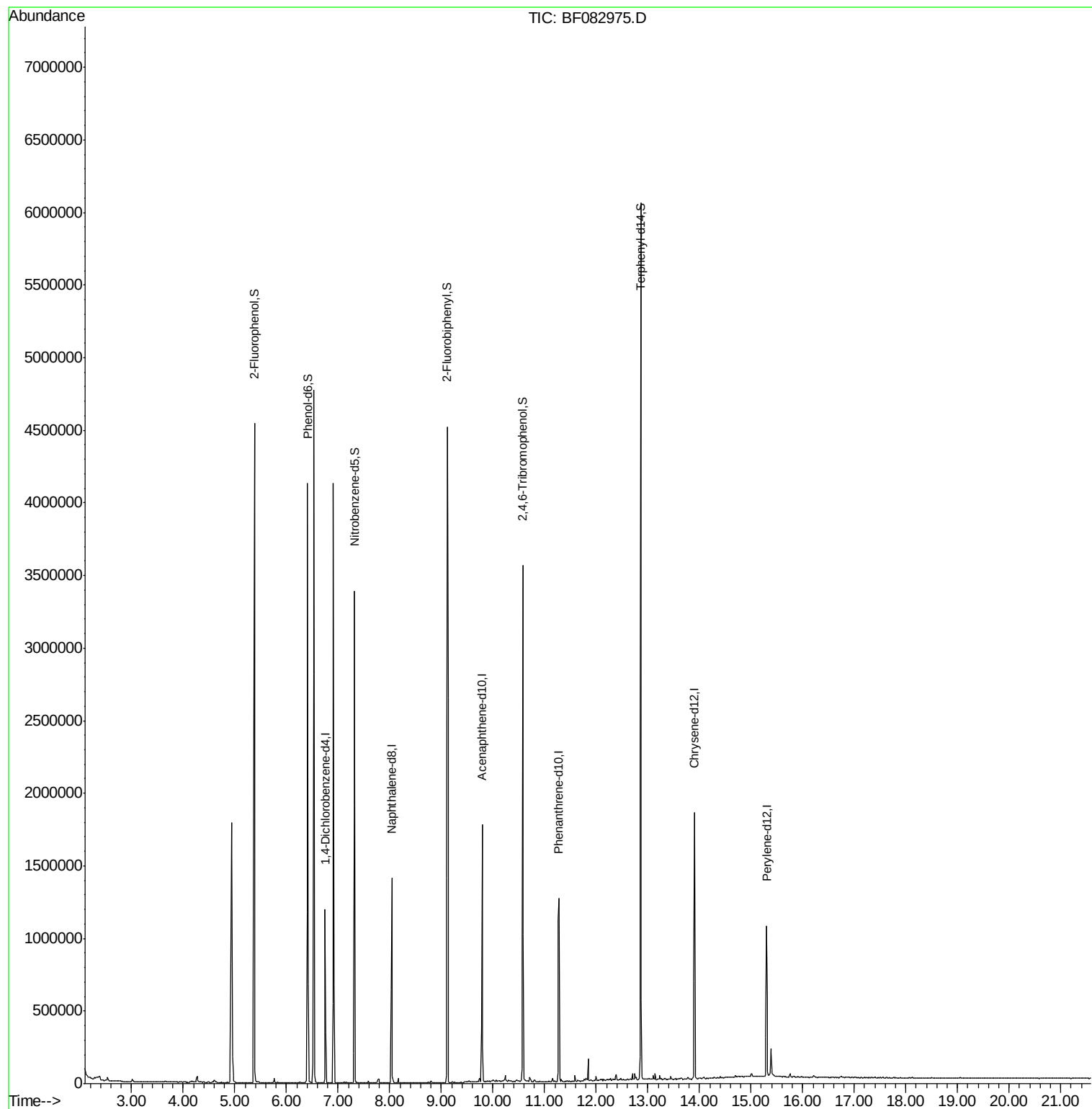
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

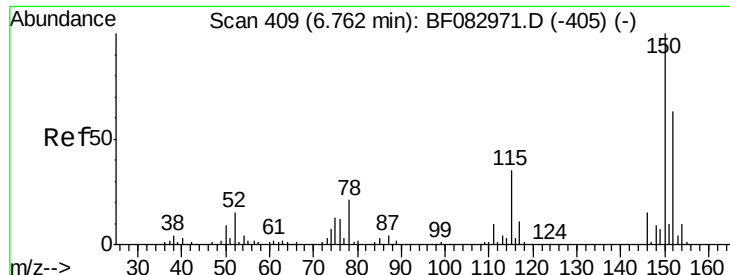
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 17 04:41:30 2015  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.10 min

Lab File: BF082975.D

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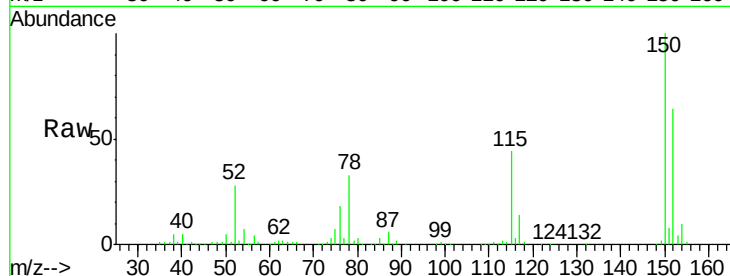
Tgt Ion:152 Resp: 176415

Ion Ratio Lower Upper

152 100

150 155.6 127.0 190.4

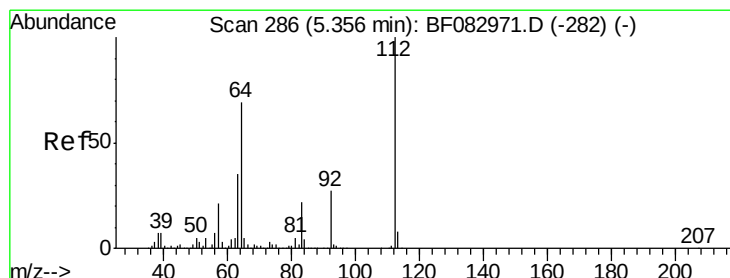
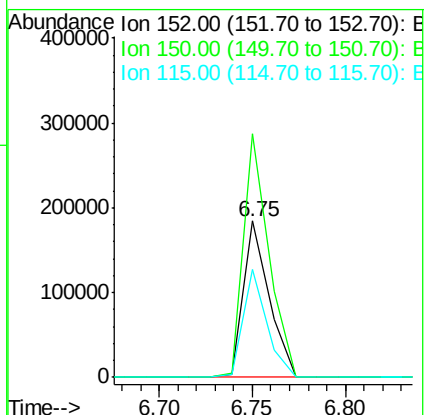
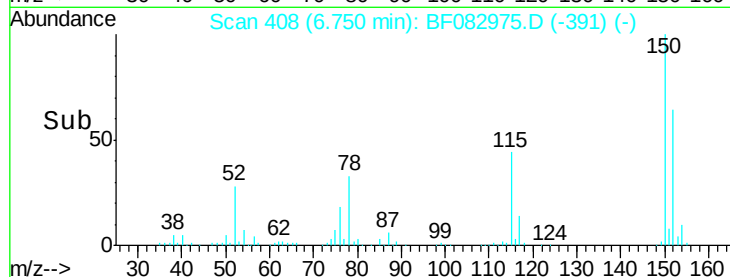
115 68.8 47.0 70.6



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: 120.34 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.07 min

Lab File: BF082975.D

Acq: 17 Nov 2015 19:36

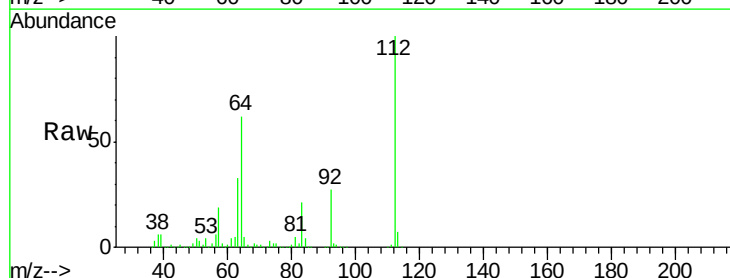
Tgt Ion:112 Resp: 1364446

Ion Ratio Lower Upper

112 100

64 61.8 48.9 73.3

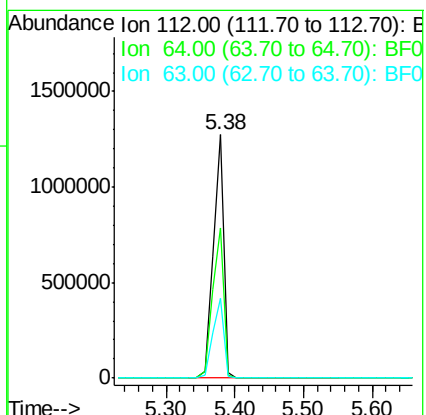
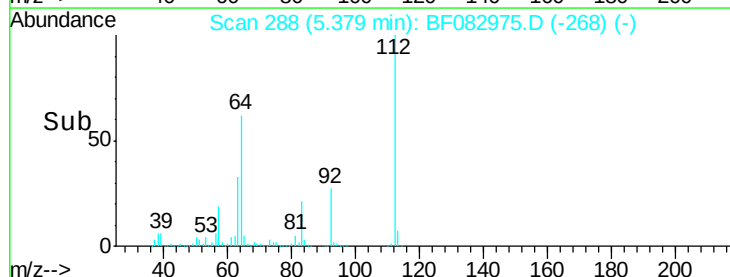
63 32.8 28.1 42.1

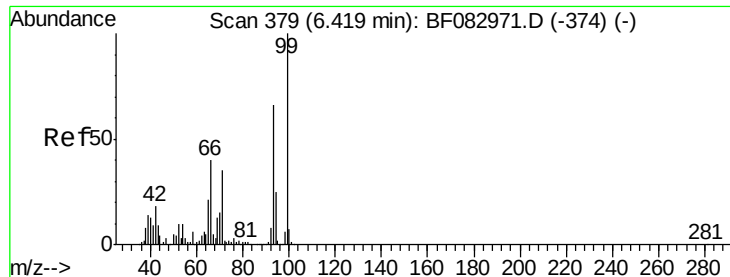


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.96 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.08 min

Lab File: BF082975.D

Acq: 17 Nov 2015 19:36

Instrument :

BNA\_F

ClientSampleId :

WC-SOIL-006

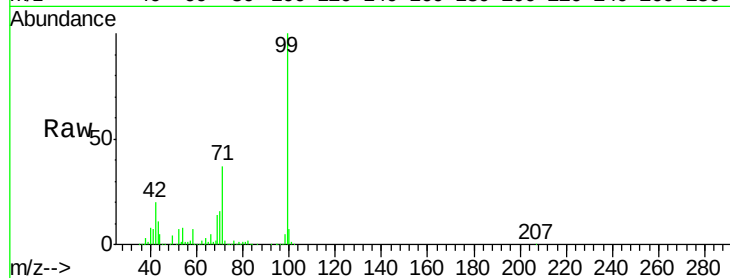
Tgt Ion: 99 Resp: 1476511

Ion Ratio Lower Upper

99 100

42 20.2 19.2 28.8

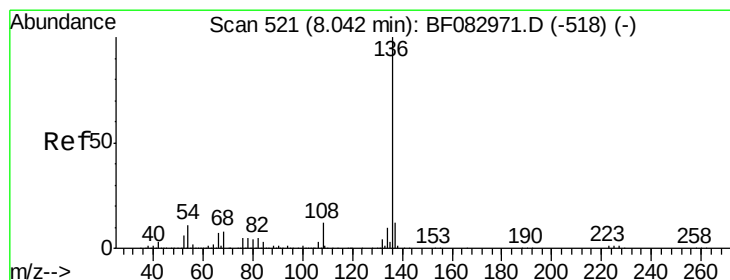
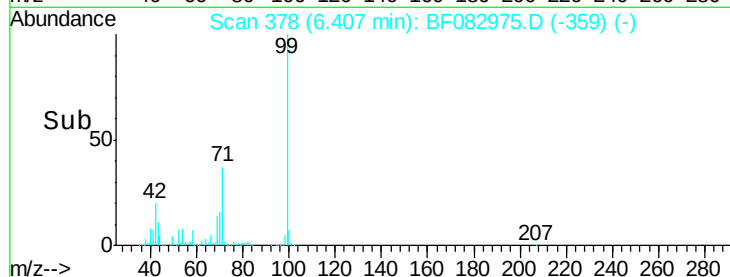
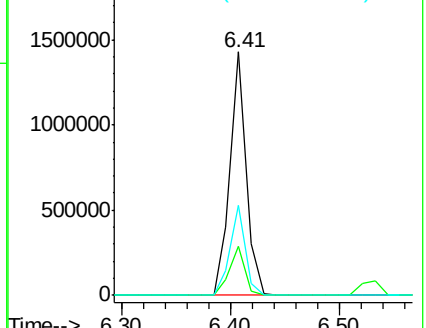
71 37.1 35.0 52.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.10 min

Lab File: BF082975.D

Acq: 17 Nov 2015 19:36

Tgt Ion: 136 Resp: 693532

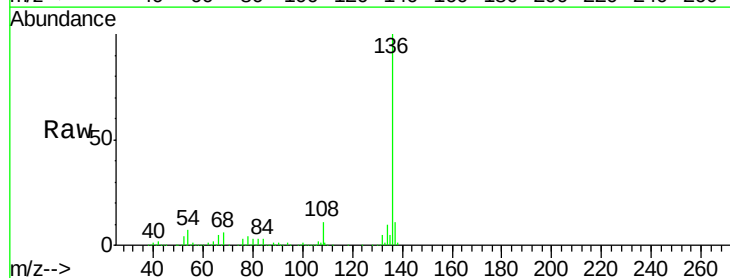
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.4 9.1 13.7#

68 5.6 4.8 7.2

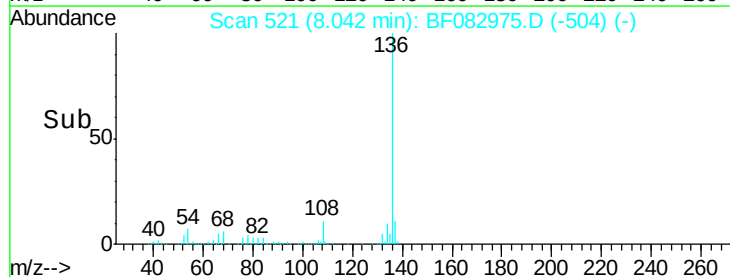
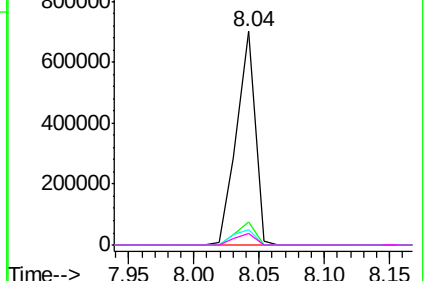


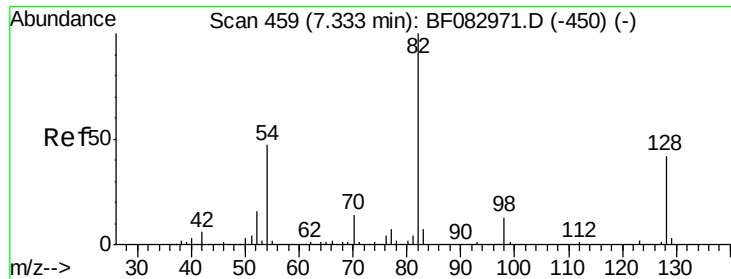
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

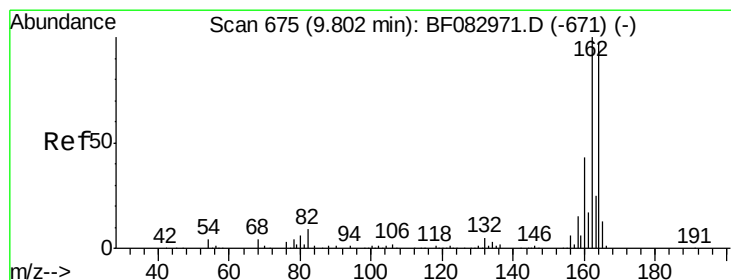
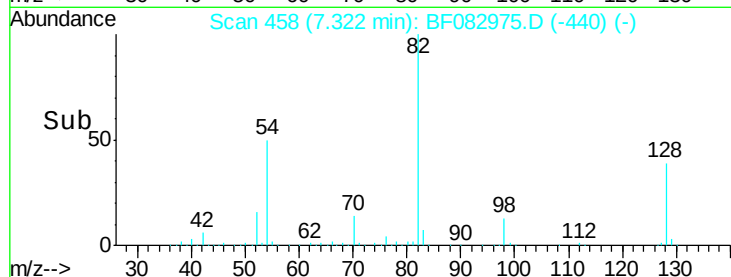
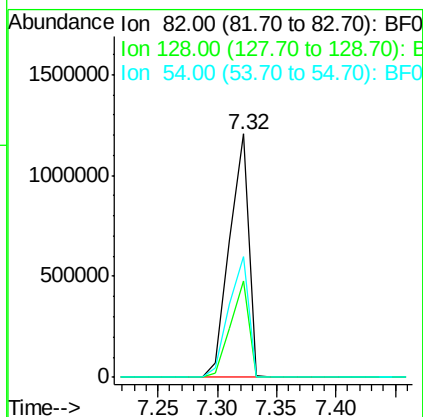
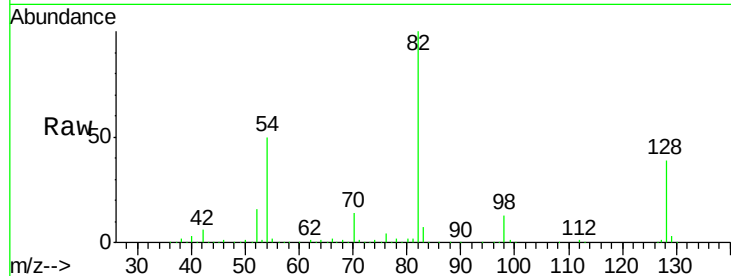




#23  
 Nitrobenzene-d5  
 Concen: 84.81 ng  
 RT: 7.32 min Scan# 458  
 Delta R.T. -0.09 min  
 Lab File: BF082975.D  
 Acq: 17 Nov 2015 19:36

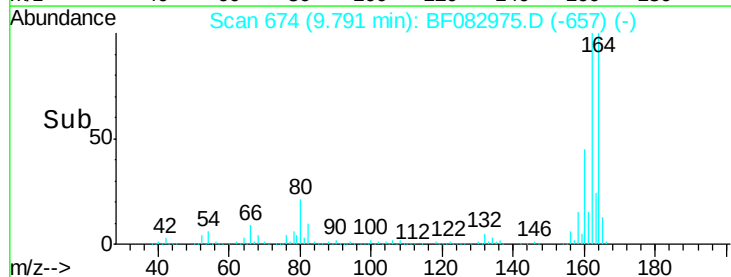
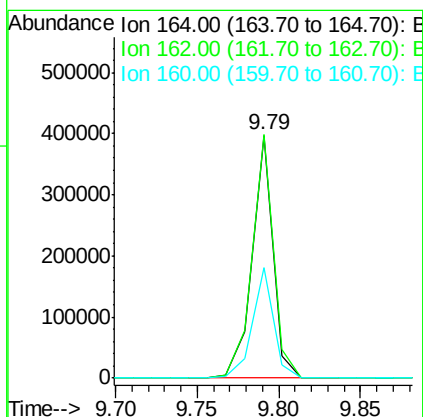
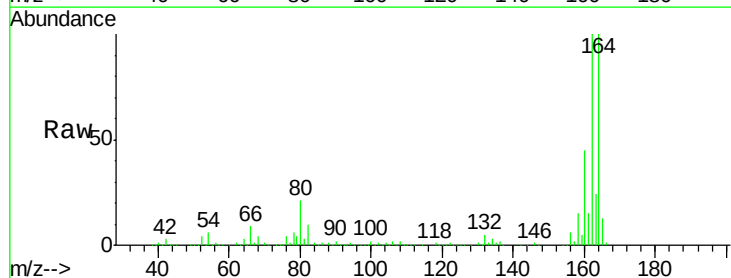
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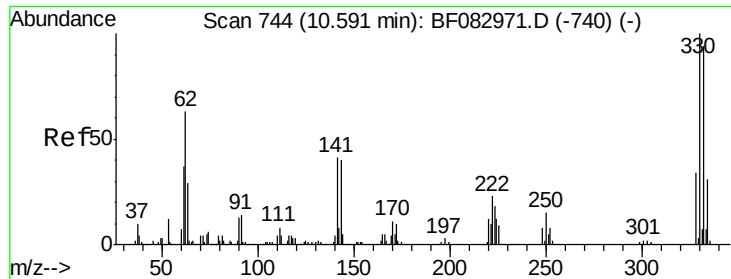
Tgt Ion: 82 Resp: 1351803  
 Ion Ratio Lower Upper  
 82 100  
 128 39.5 26.8 40.2  
 54 49.5 45.7 68.5



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.79 min Scan# 674  
 Delta R.T. -0.10 min  
 Lab File: BF082975.D  
 Acq: 17 Nov 2015 19:36

Tgt Ion:164 Resp: 352406  
 Ion Ratio Lower Upper  
 164 100  
 162 100.4 84.9 127.3  
 160 45.3 37.5 56.3

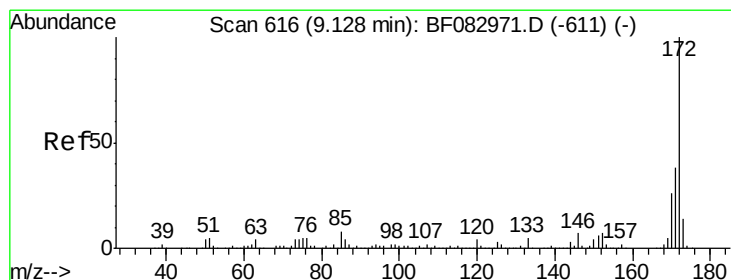
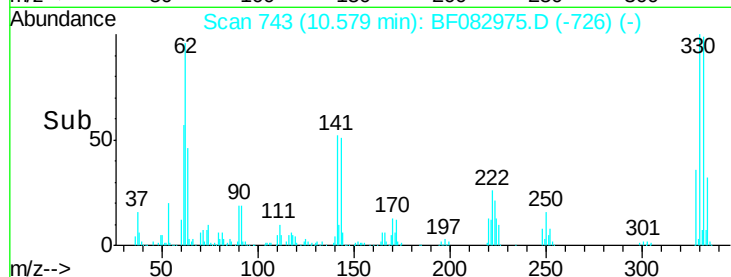
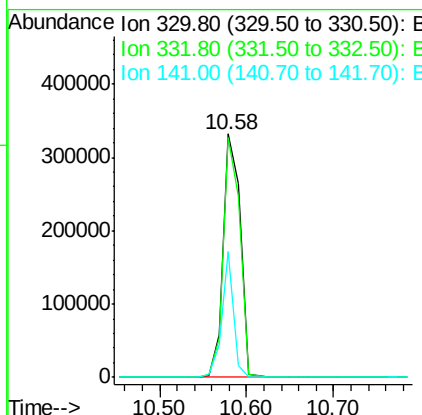
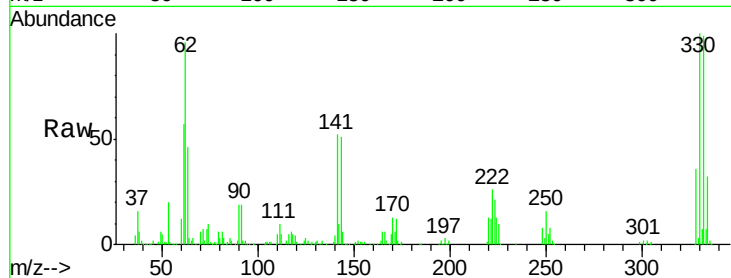




#41  
 2,4,6-Tribromophenol  
 Concen: 113.08 ng  
 RT: 10.58 min Scan# 743  
 Delta R.T. -0.10 min  
 Lab File: BF082975.D  
 Acq: 17 Nov 2015 19:36

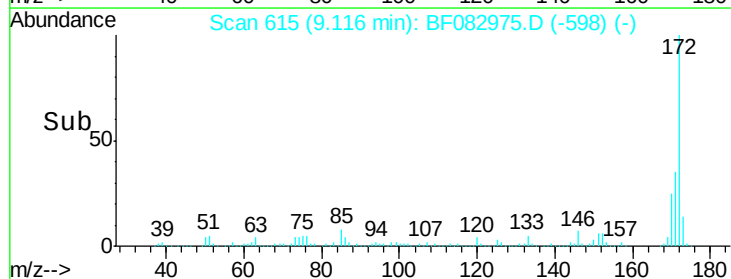
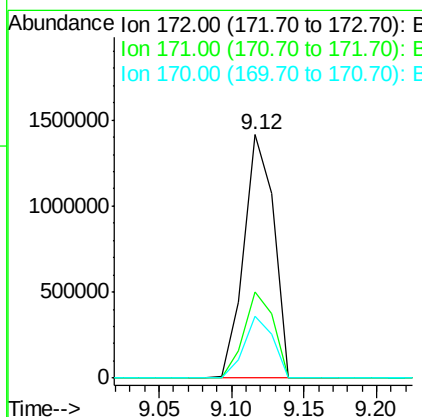
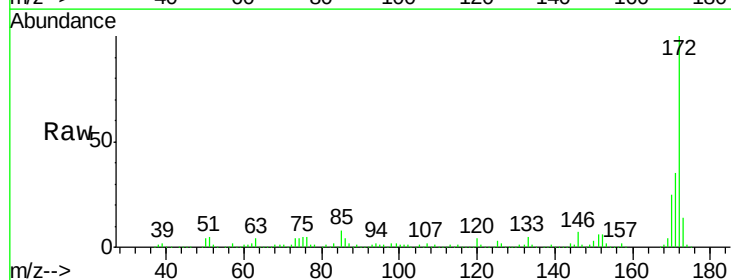
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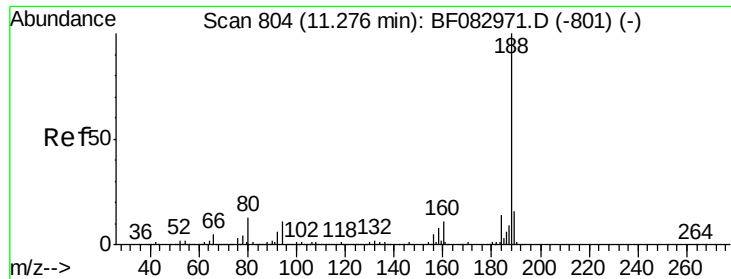
Tgt Ion:330 Resp: 456928  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 76.6 114.8  
 141 36.0 41.2 61.8#



#44  
 2-Fluorobiphenyl  
 Concen: 82.42 ng  
 RT: 9.12 min Scan# 615  
 Delta R.T. -0.10 min  
 Lab File: BF082975.D  
 Acq: 17 Nov 2015 19:36

Tgt Ion:172 Resp: 2026662  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 30.8 46.2  
 170 25.2 21.2 31.8

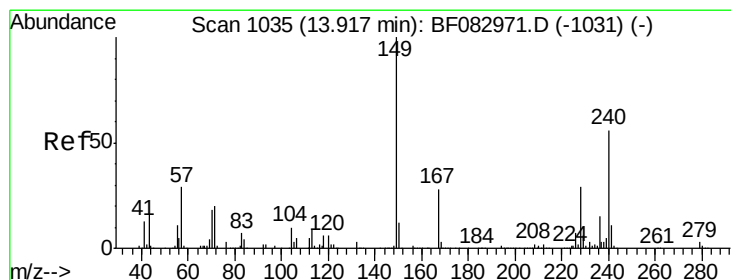
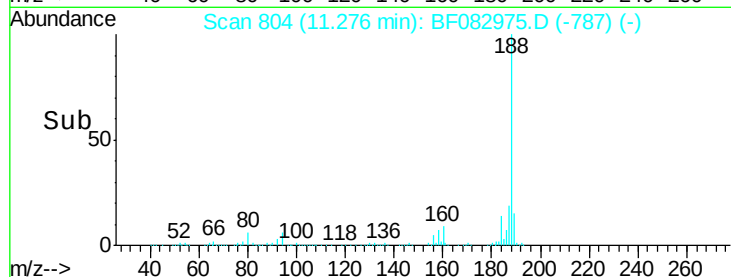
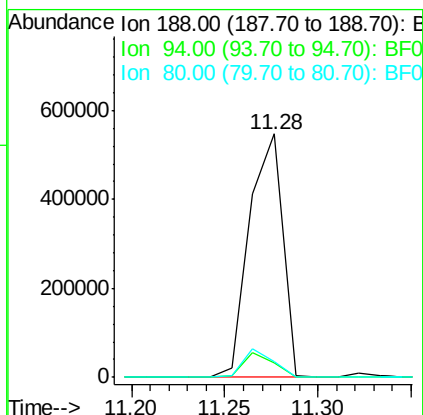
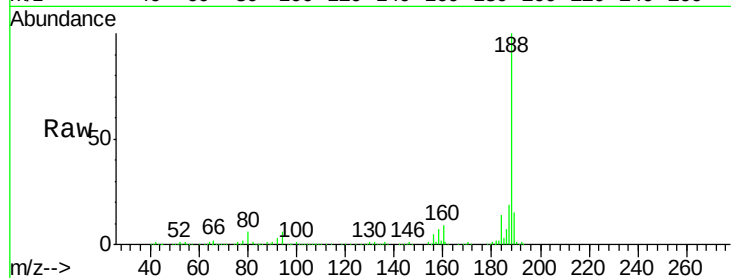




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.28 min Scan# 804  
Delta R.T. -0.10 min  
Lab File: BF082975.D  
Acq: 17 Nov 2015 19:36

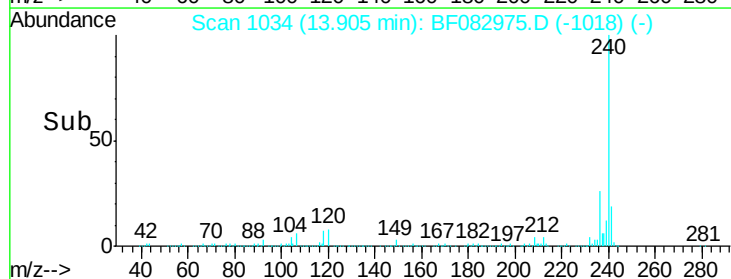
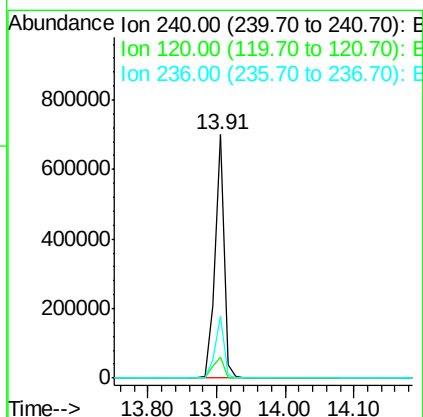
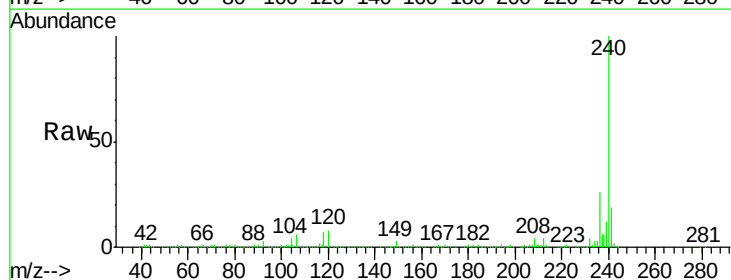
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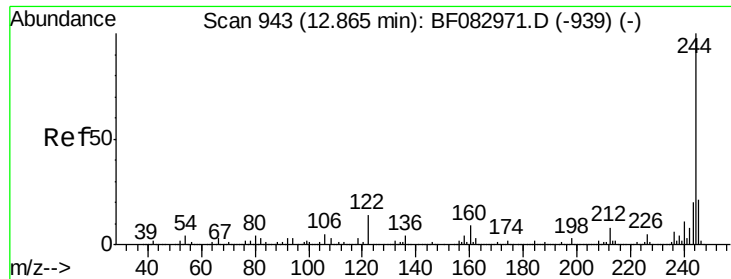
Tgt Ion:188 Resp: 678488  
Ion Ratio Lower Upper  
188 100  
94 5.8 6.1 9.1#  
80 6.3 7.0 10.6#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.91 min Scan# 1034  
Delta R.T. -0.11 min  
Lab File: BF082975.D  
Acq: 17 Nov 2015 19:36

Tgt Ion:240 Resp: 658623  
Ion Ratio Lower Upper  
240 100  
120 8.4 10.9 16.3#  
236 25.7 21.6 32.4

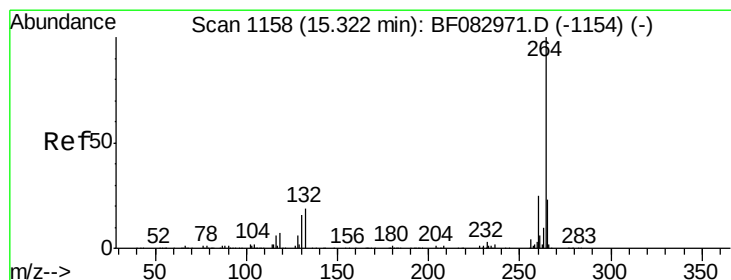
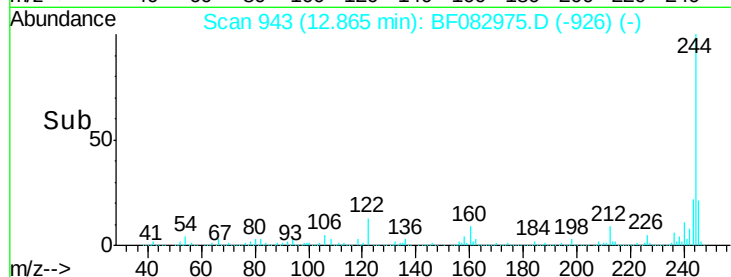
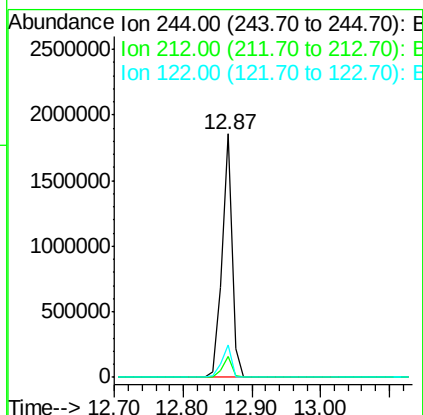
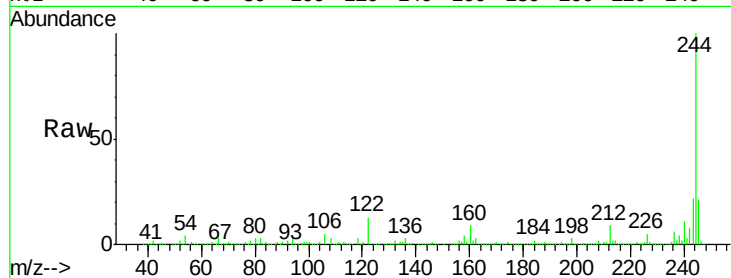




#78  
 Terphenyl-d14  
 Concen: 69.54 ng  
 RT: 12.87 min Scan# 943  
 Delta R.T. -0.10 min  
 Lab File: BF082975.D  
 Acq: 17 Nov 2015 19:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-SOIL-006

Tgt Ion:244 Resp: 1930993  
 Ion Ratio Lower Upper  
 244 100  
 212 8.5 7.6 11.4  
 122 13.5 11.3 16.9



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.30 min Scan# 1156  
 Delta R.T. -0.16 min  
 Lab File: BF082975.D  
 Acq: 17 Nov 2015 19:36

Tgt Ion:264 Resp: 506489  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 19.8 29.6  
 265 21.5 17.4 26.0

