

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122315\  
 Data File : BM003728.D  
 Acq On : 23 Dec 2015 03:19  
 Operator : UM/SJ  
 Sample : G4912-09  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 STOCKPILE-3(0-2)

Quant Time: Dec 23 04:58:17 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM120915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 09 18:52:47 2015  
 Response via : Initial Calibration

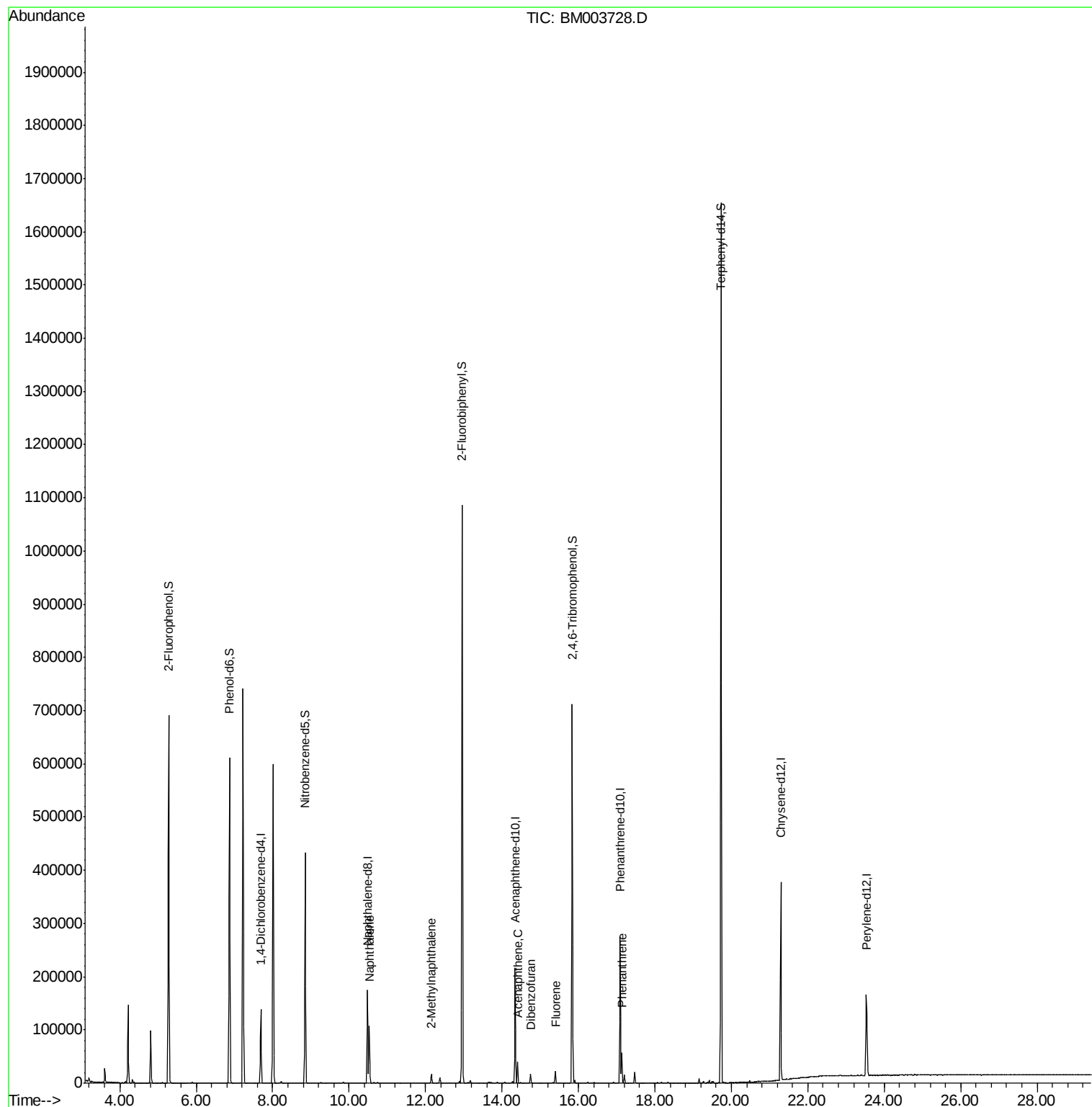
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 37951    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.48 | 136  | 149132   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10        | 14.35 | 164  | 71685    | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 17.09 | 188  | 158435   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 21.29 | 240  | 172546   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 23.53 | 264  | 78989    | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 311100   | 145.74 | ng    | -0.02    |
| 7) Phenol-d6                | 6.87  | 99   | 364846   | 123.09 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.85  | 82   | 256434   | 106.61 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 15.84 | 330  | 112830   | 157.60 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 12.96 | 172  | 570163   | 108.36 | ng    | -0.04    |
| 78) Terphenyl-d14           | 19.73 | 244  | 687874   | 94.02  | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 10.53 | 128  | 92178    | 11.81  | ng    | 100      |
| 37) 2-Methylnaphthalene     | 12.15 | 142  | 10858    | 2.03   | ng    | 95       |
| 51) Acenaphthene            | 14.41 | 154  | 15320    | 3.40   | ng    | 99       |
| 54) Dibenzofuran            | 14.74 | 168  | 13610    | 2.09   | ng    | 98       |
| 57) Fluorene                | 15.40 | 166  | 11343    | 2.10   | ng    | 99       |
| 70) Phenanthrene            | 17.13 | 178  | 36239    | 4.08   | ng    | 100      |

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

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STOCKPILE-3(0-2)

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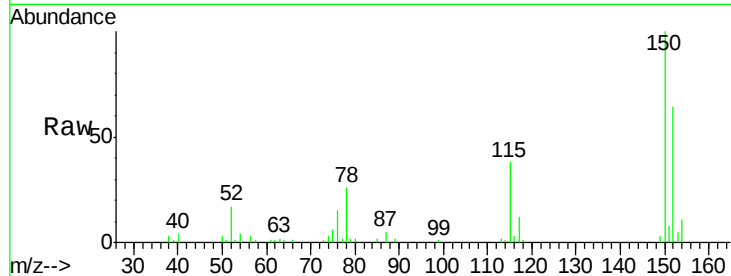


#1

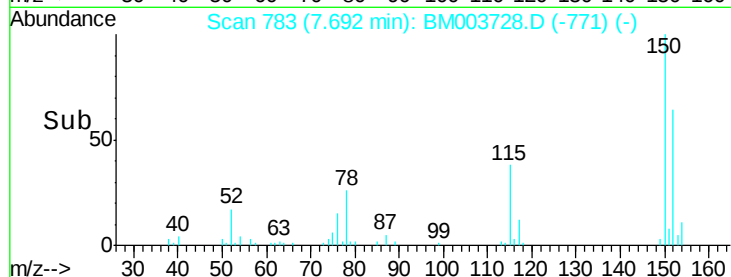
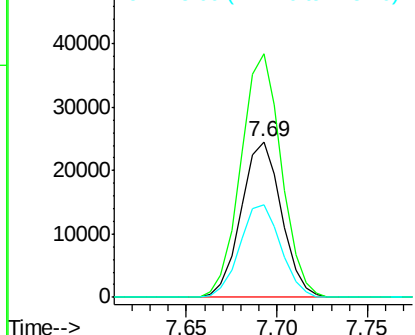
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.69 min Scan# 783  
Delta R.T. -0.03 min  
Lab File: BM003728.D  
Acq: 23 Dec 2015 03:19

Instrument :  
BNA\_M  
ClientSampleId :  
STOCKPILE-3(0-2)

Tot Ion:152 Resp: 37951  
Ion Ratio Lower Upper  
152 100  
150 156.1 119.5 179.3  
115 59.5 43.0 64.4



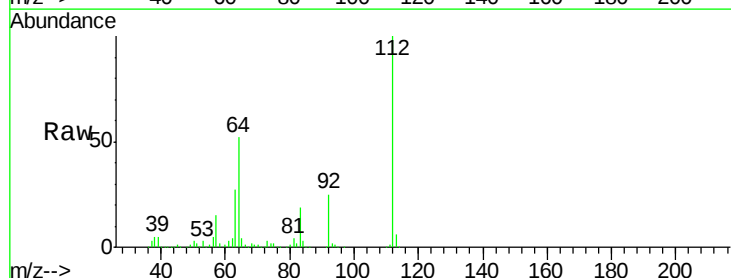
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



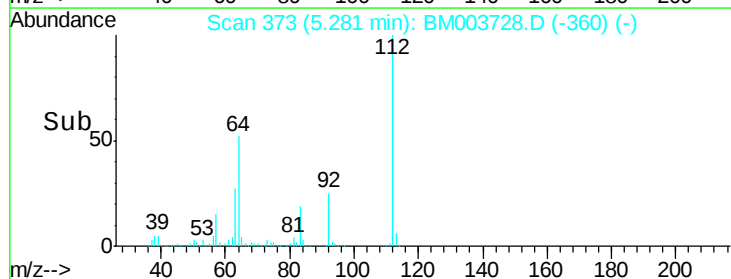
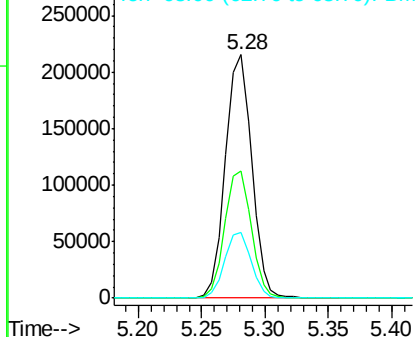
#5

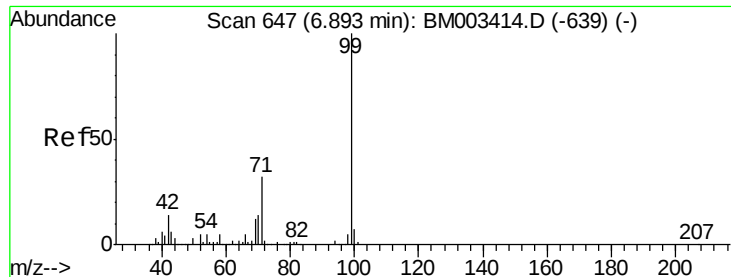
2-Fluorophenol  
Concen: 145.74 ng  
RT: 5.28 min Scan# 373  
Delta R.T. -0.02 min  
Lab File: BM003728.D  
Acq: 23 Dec 2015 03:19

Tgt Ion:112 Resp: 311100  
Ion Ratio Lower Upper  
112 100  
64 52.3 38.6 57.8  
63 26.9 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: 123.09 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM003728.D

Acq: 23 Dec 2015 03:19

Instrument :

BNA\_M

ClientSampleId :

STOCKPILE-3(0-2)

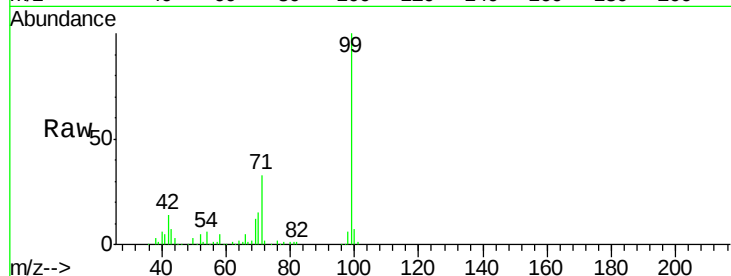
Tot Ion: 99 Resp: 364846

Ion Ratio Lower Upper

99 100

42 14.4 11.0 16.4

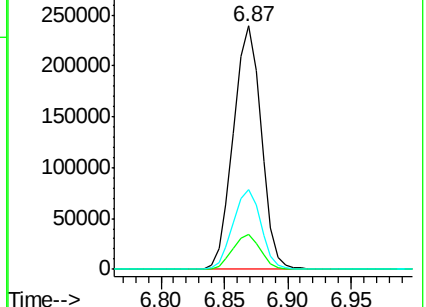
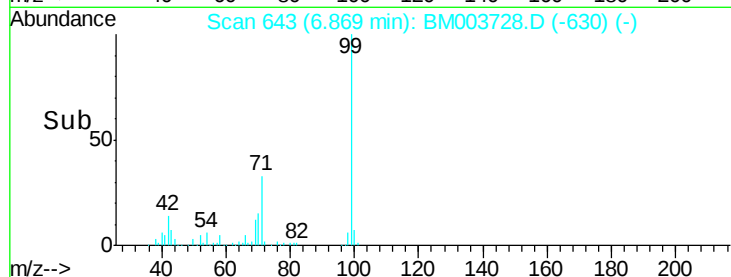
71 32.9 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BM003414.D (-639) (-)

Ion 42.00 (41.70 to 42.70): BM003414.D (-639) (-)

Ion 71.00 (70.70 to 71.70): BM003414.D (-639) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.48 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BM003728.D

Acq: 23 Dec 2015 03:19

Tgt Ion: 136 Resp: 149132

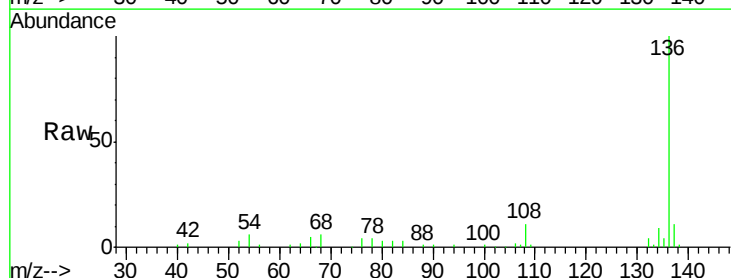
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 6.0 4.6 6.8

68 5.8 3.7 5.5#

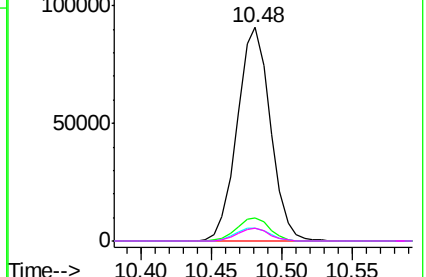
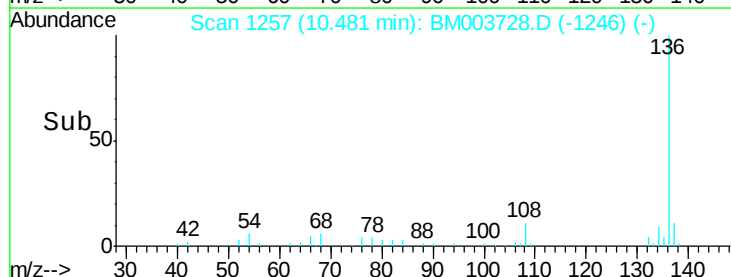


Abundance Ion 136.00 (135.70 to 136.70): BM003414.D (-1255) (-)

Ion 137.00 (136.70 to 137.70): BM003414.D (-1255) (-)

Ion 54.00 (53.70 to 54.70): BM003414.D (-1255) (-)

Ion 68.00 (67.70 to 68.70): BM003414.D (-1255) (-)

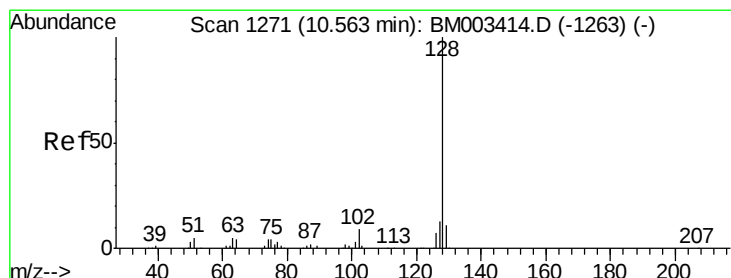
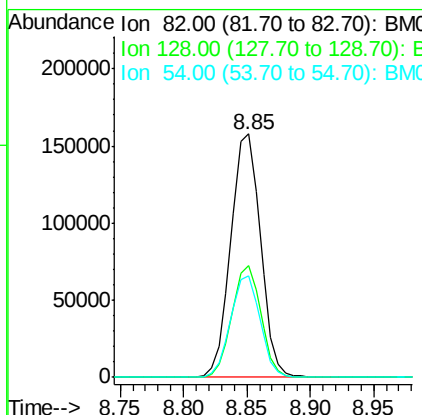
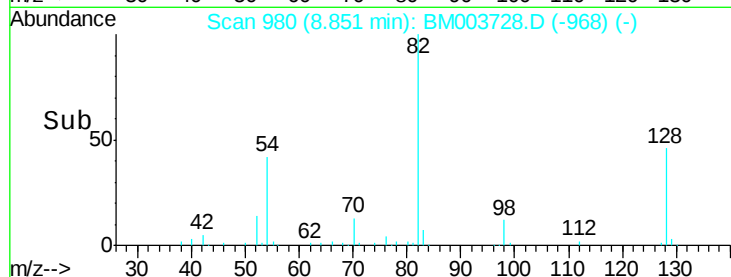
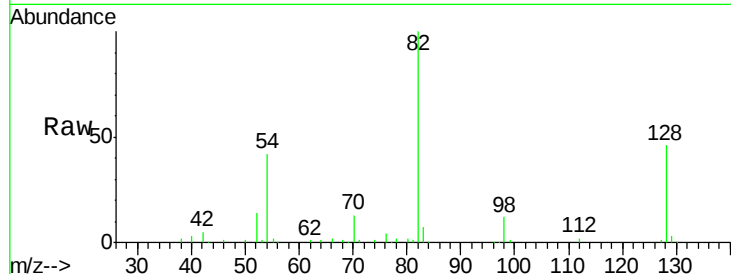




#23  
 Nitrobenzene-d5  
 Concen: 106.61 ng  
 RT: 8.85 min Scan# 980  
 Delta R.T. -0.03 min  
 Lab File: BM003728.D  
 Acq: 23 Dec 2015 03:19

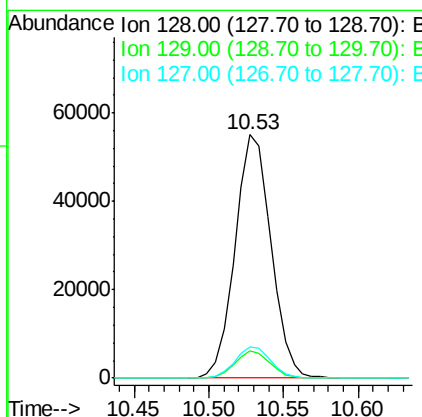
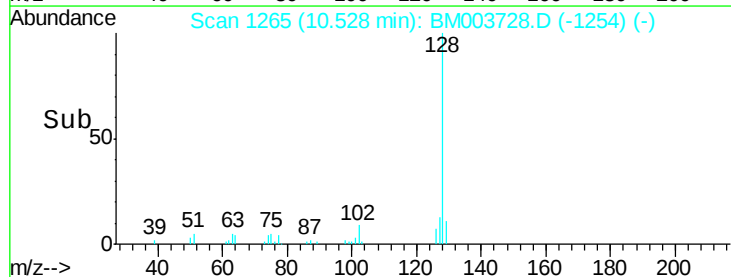
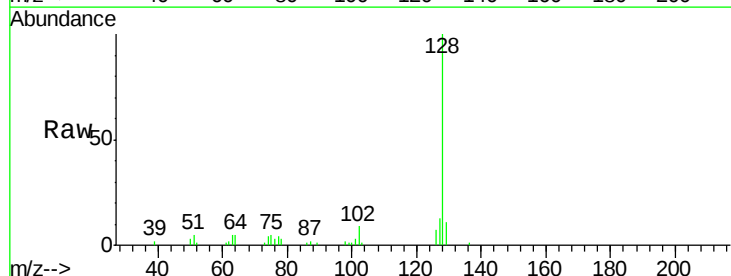
Instrument :  
 BNA\_M  
 ClientSampleId :  
 STOCKPILE-3(0-2)

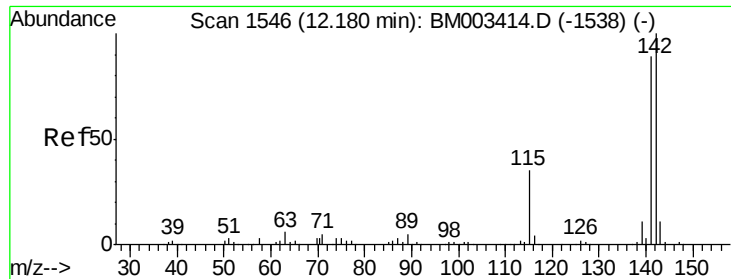
| Tot Ion   | 82   | Resp  | 256434 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.8 | 32.8  | 49.2   |
| 54        | 41.6 | 40.6  | 60.8   |



#31  
 Naphthalene  
 Concen: 11.81 ng  
 RT: 10.53 min Scan# 1265  
 Delta R.T. -0.04 min  
 Lab File: BM003728.D  
 Acq: 23 Dec 2015 03:19

| Tgt Ion   | 128  | Resp  | 92178 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 129       | 11.0 | 8.9   | 13.3  |
| 127       | 13.0 | 10.4  | 15.6  |

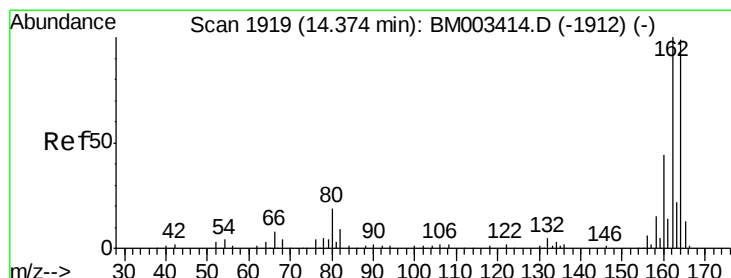
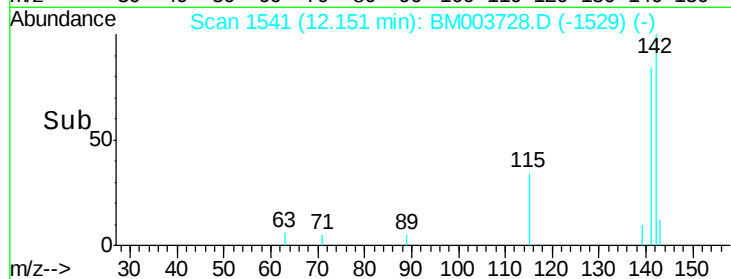
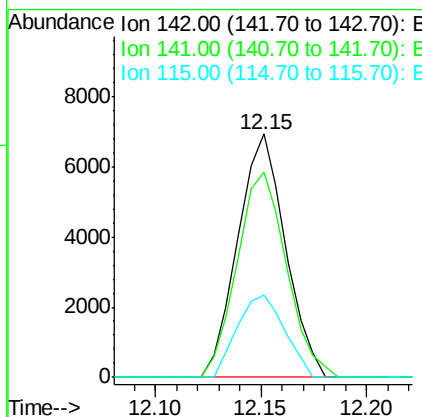
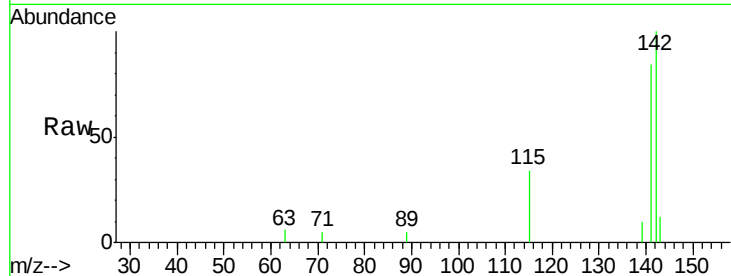




#37  
2-Methylnaphthalene  
Concen: 2.03 ng  
RT: 12.15 min Scan# 1541  
Delta R.T. -0.03 min  
Lab File: BM003728.D  
Acq: 23 Dec 2015 03:19

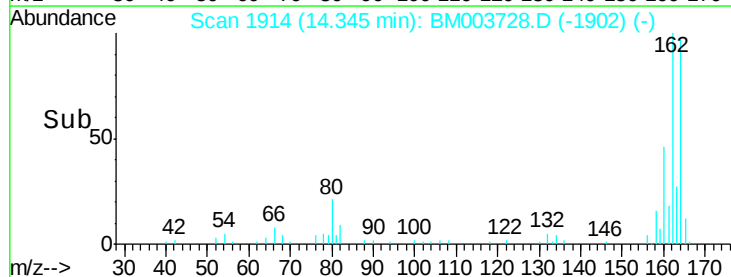
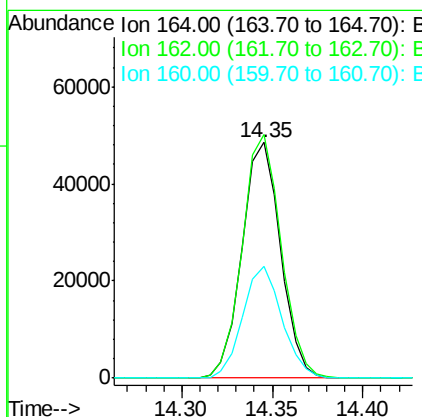
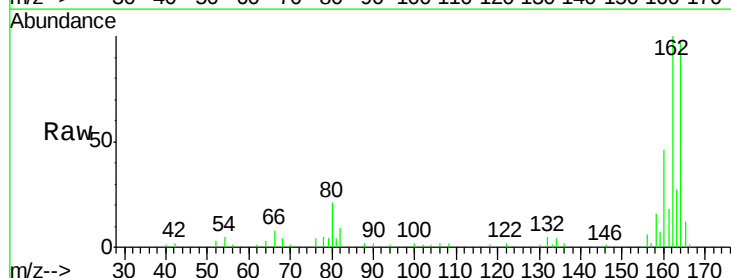
Instrument :  
BNA\_M  
ClientSampleId :  
STOCKPILE-3(0-2)

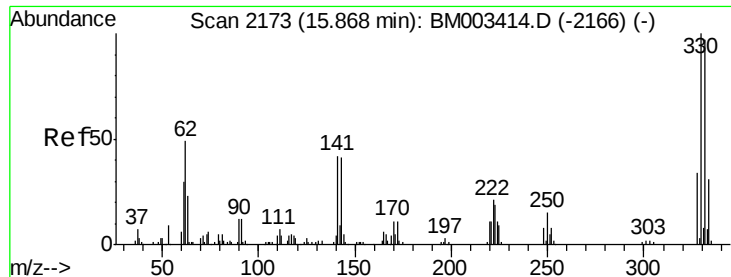
Tot Ion:142 Resp: 10858  
Ion Ratio Lower Upper  
142 100  
141 84.5 71.9 107.9  
115 33.7 25.4 38.0



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.35 min Scan# 1914  
Delta R.T. -0.03 min  
Lab File: BM003728.D  
Acq: 23 Dec 2015 03:19

Tgt Ion:164 Resp: 71685  
Ion Ratio Lower Upper  
164 100  
162 103.3 82.4 123.6  
160 47.2 35.8 53.6

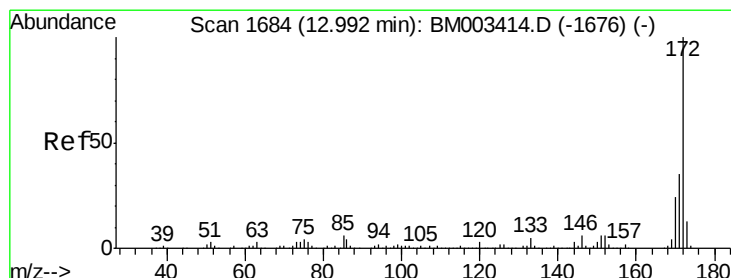
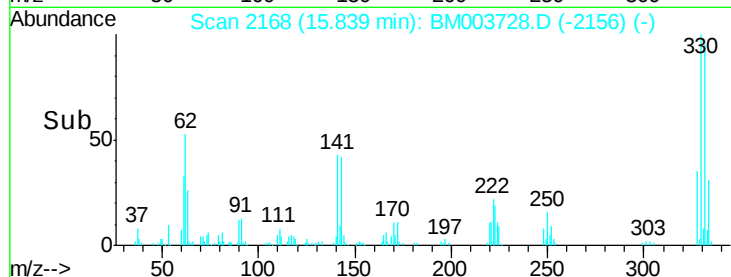
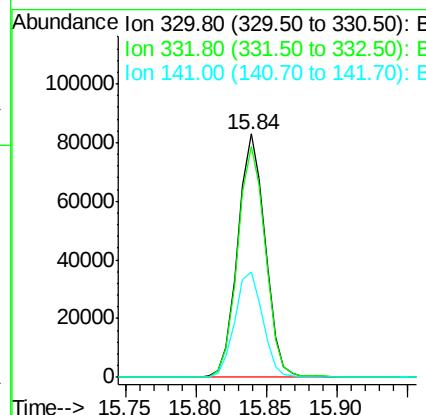
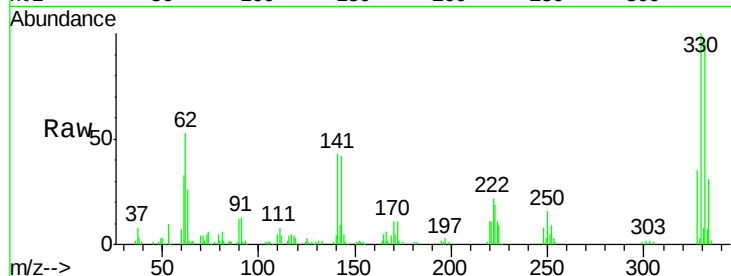




#41  
 2,4,6-Tribromophenol  
 Concen: 157.60 ng  
 RT: 15.84 min Scan# 2168  
 Delta R.T. -0.03 min  
 Lab File: BM003728.D  
 Acq: 23 Dec 2015 03:19

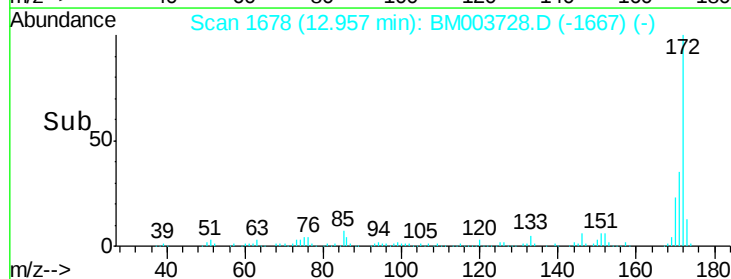
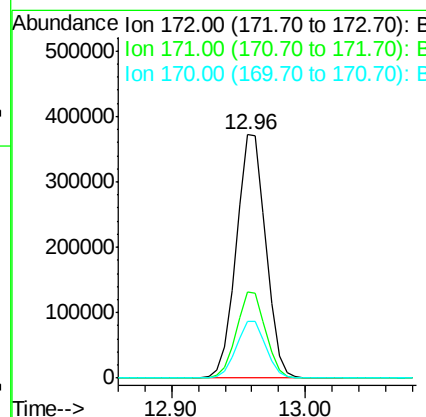
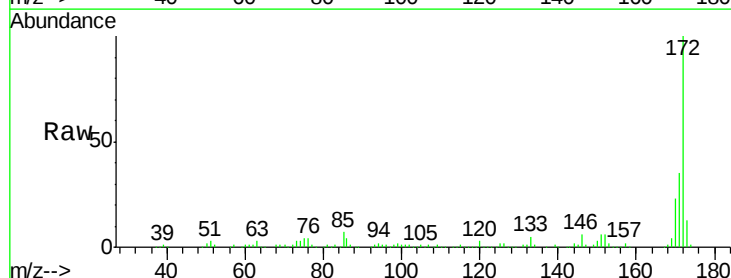
Instrument :  
 BNA\_M  
 ClientSampleId :  
 STOCKPILE-3(0-2)

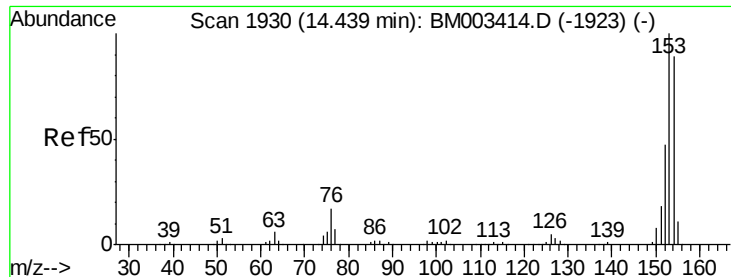
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 0.0   | 0.0#  |
| 141     | 44.0  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 108.36 ng  
 RT: 12.96 min Scan# 1678  
 Delta R.T. -0.04 min  
 Lab File: BM003728.D  
 Acq: 23 Dec 2015 03:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 28.5  | 42.7  |
| 170     | 23.4  | 18.8  | 28.2  |





#51

Acenaphthene

Concen: 3.40 ng

RT: 14.41 min Scan# 1925

Delta R.T. -0.03 min

Lab File: BM003728.D

Acq: 23 Dec 2015 03:19

Instrument :

BNA\_M

ClientSampleId :

STOCKPILE-3(0-2)

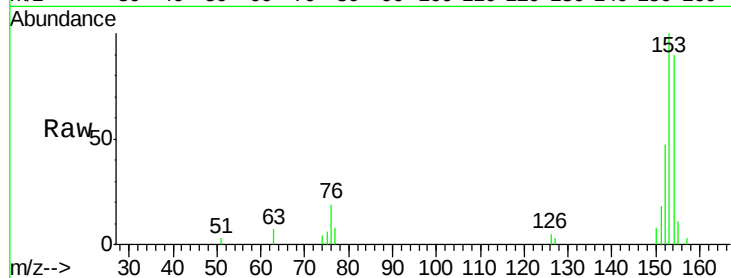
Tot Ion:154 Resp: 15320

Ion Ratio Lower Upper

154 100

153 111.5 90.0 135.0

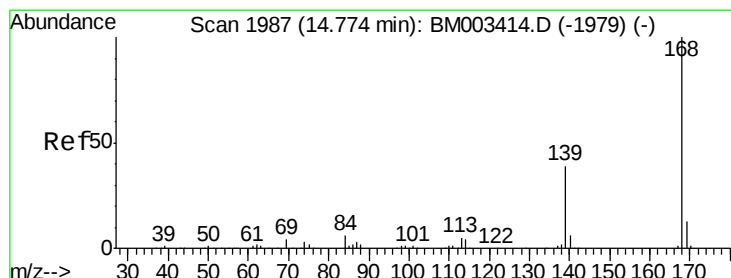
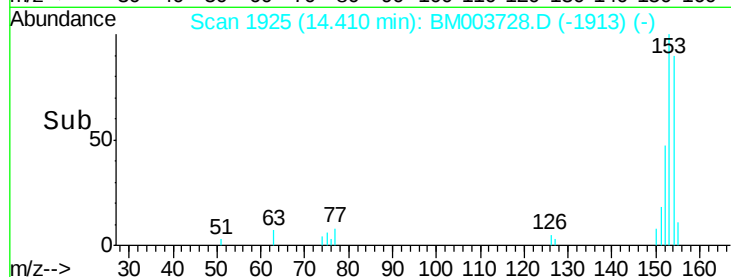
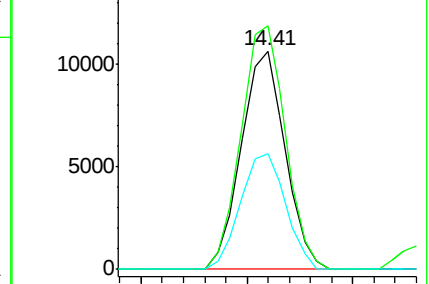
152 52.7 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.09 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.03 min

Lab File: BM003728.D

Acq: 23 Dec 2015 03:19

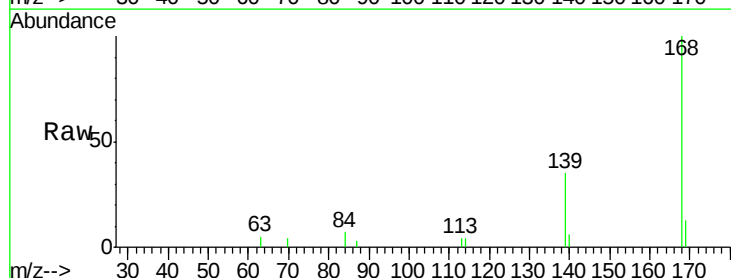
Tgt Ion:168 Resp: 13610

Ion Ratio Lower Upper

168 100

139 35.1 27.3 40.9

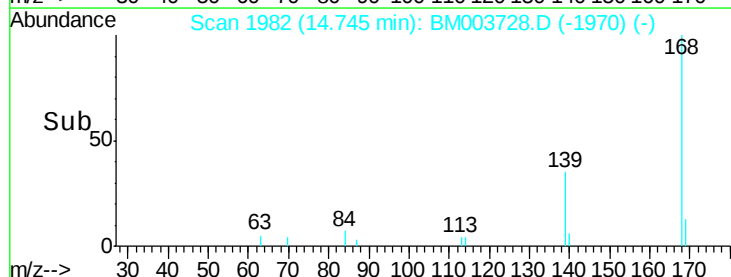
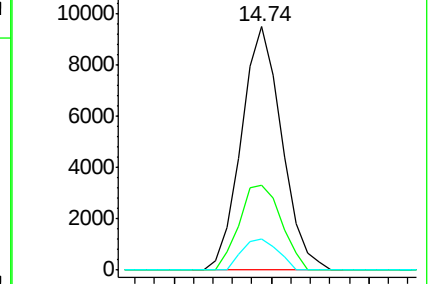
169 12.8 10.6 16.0

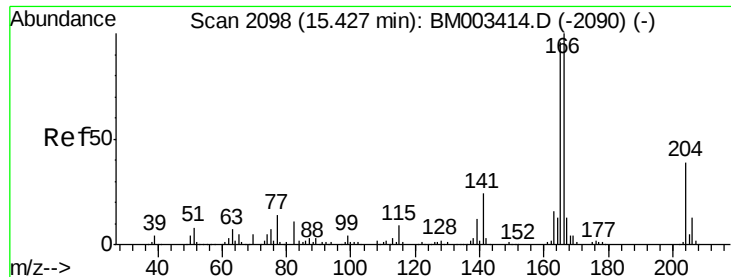


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

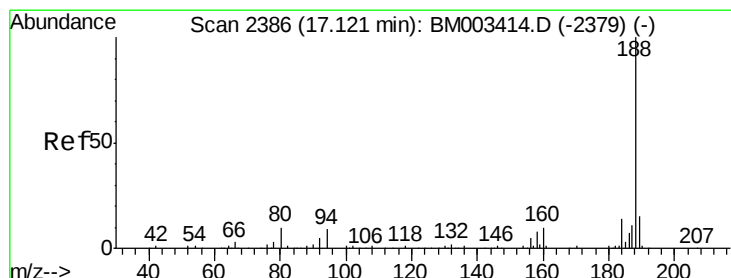
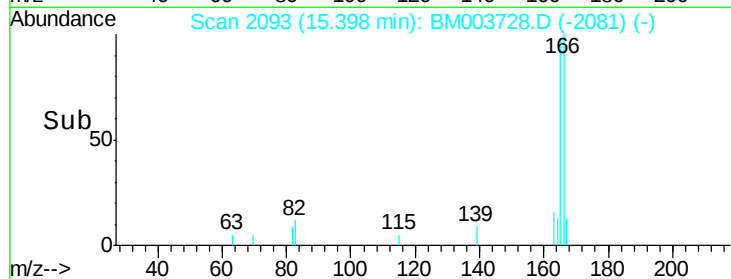
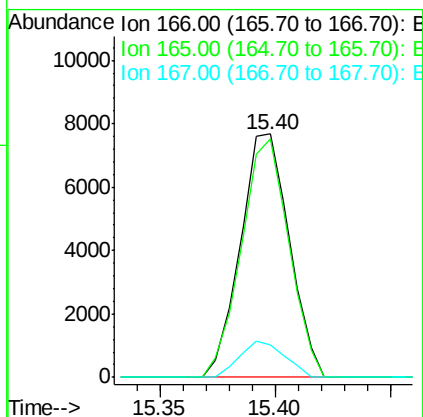
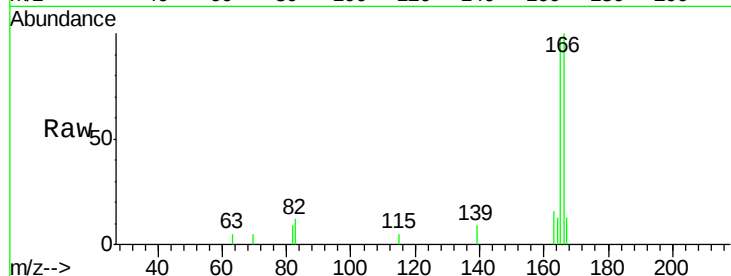




#57  
**Fluorene**  
 Concen: 2.10 ng  
 RT: 15.40 min Scan# 2093  
 Delta R.T. -0.03 min  
 Lab File: BM003728.D  
 Acq: 23 Dec 2015 03:19

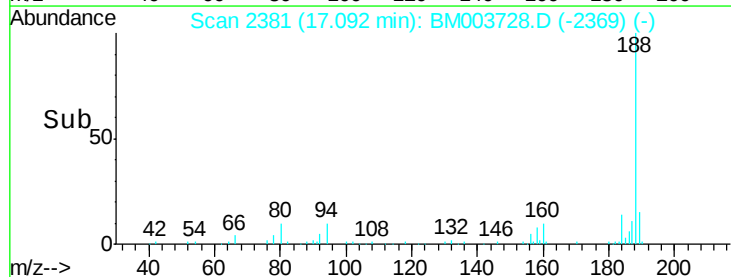
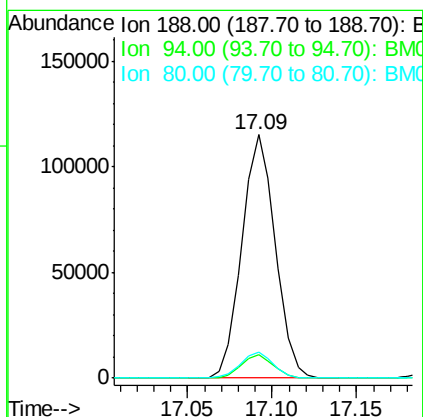
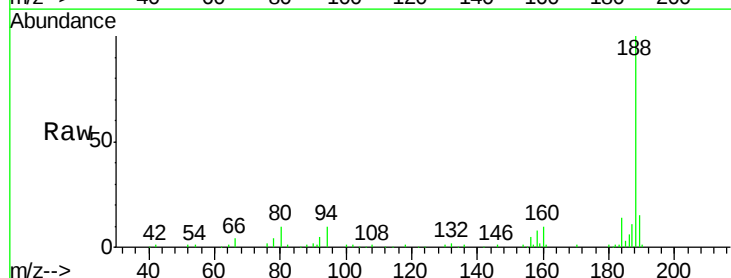
Instrument :  
 BNA\_M  
 ClientSampleId :  
 STOCKPILE-3(0-2)

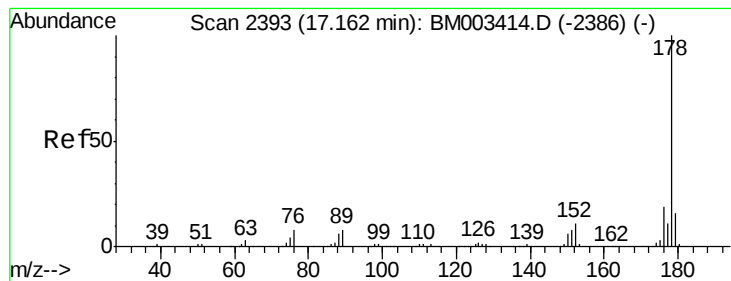
Tot Ion:166 Resp: 11343  
 Ion Ratio Lower Upper  
 166 100  
 165 97.9 79.0 118.4  
 167 13.2 10.3 15.5



#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 17.09 min Scan# 2381  
 Delta R.T. -0.03 min  
 Lab File: BM003728.D  
 Acq: 23 Dec 2015 03:19

Tgt Ion:188 Resp: 158435  
 Ion Ratio Lower Upper  
 188 100  
 94 9.6 8.7 13.1  
 80 10.4 9.3 13.9





#70

Phenanthrene

Concen: 4.08 ng

RT: 17.13 min Scan# 2388

Delta R.T. -0.03 min

Lab File: BM003728.D

Acq: 23 Dec 2015 03:19

Instrument :

BNA\_M

ClientSampleId :

STOCKPILE-3(0-2)

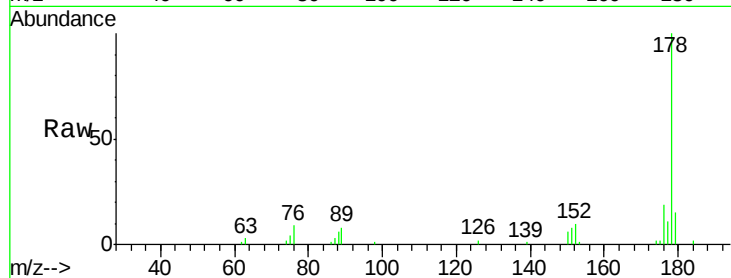
Tot Ion:178 Resp: 36239

Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

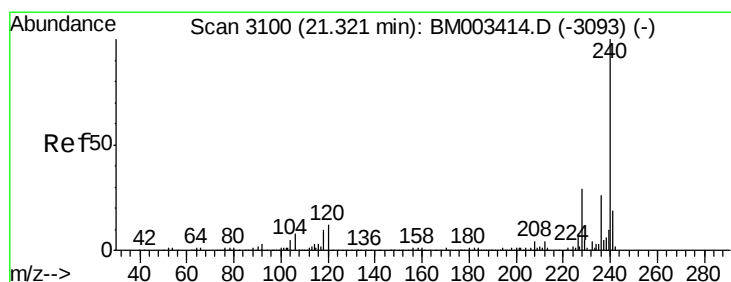
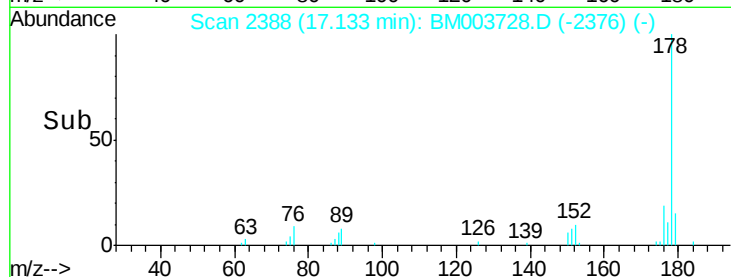
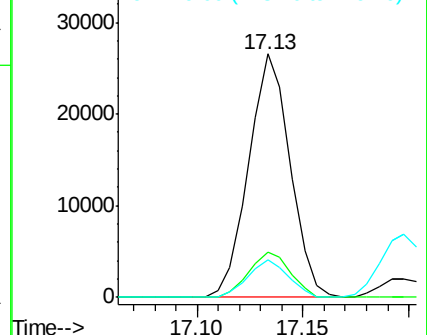
179 15.2 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.29 min Scan# 3095

Delta R.T. -0.03 min

Lab File: BM003728.D

Acq: 23 Dec 2015 03:19

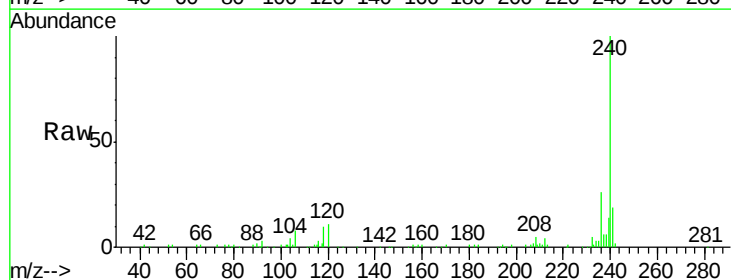
Tgt Ion:240 Resp: 172546

Ion Ratio Lower Upper

240 100

120 11.3 8.2 12.2

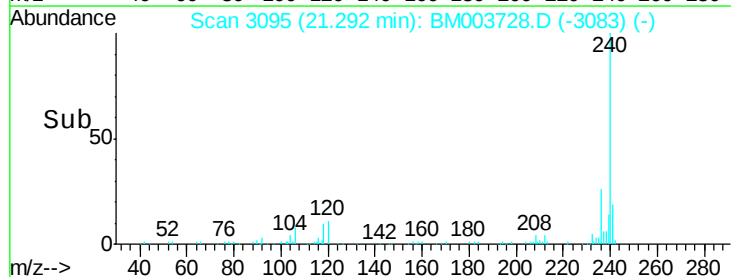
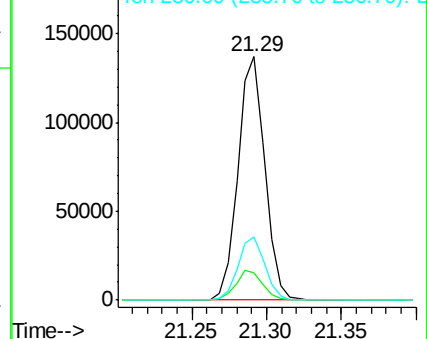
236 25.9 20.0 30.0

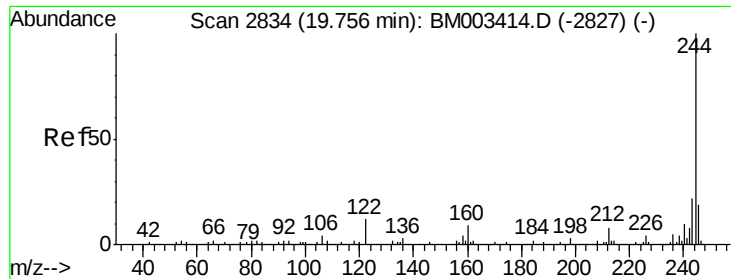


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 94.02 ng

RT: 19.73 min Scan# 2829

Delta R.T. -0.03 min

Lab File: BM003728.D

Acq: 23 Dec 2015 03:19

Instrument :

BNA\_M

ClientSampleId :

STOCKPILE-3(0-2)

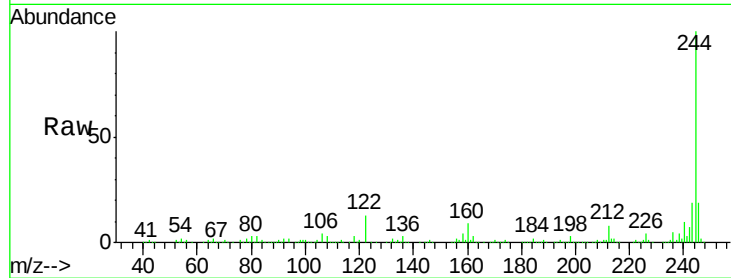
Tot Ion:244 Resp: 687874

Ion Ratio Lower Upper

244 100

212 7.9 4.9 7.3#

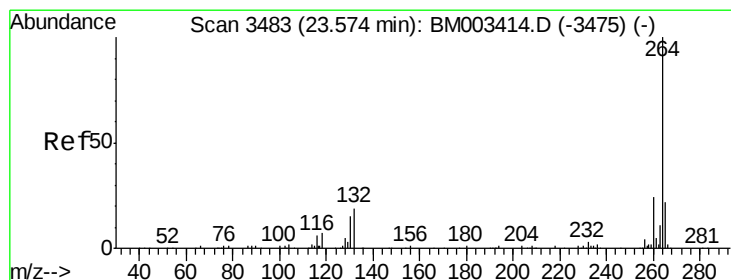
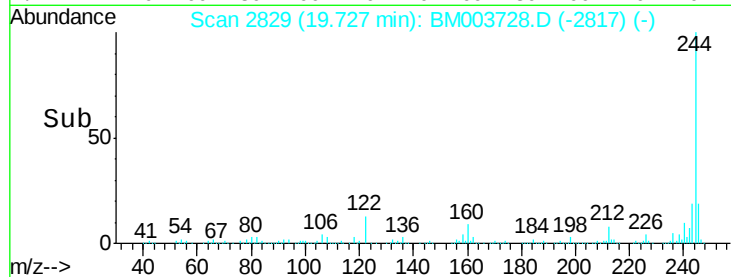
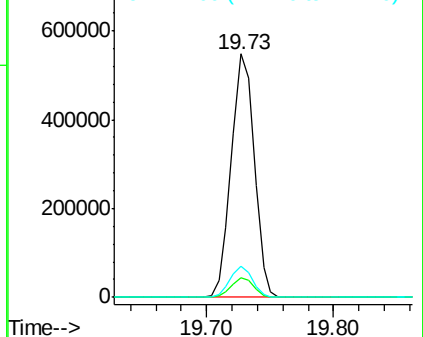
122 12.7 6.2 9.4#



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

Perylene-d12

Concen: 20.00 ng

RT: 23.53 min Scan# 3476

Delta R.T. -0.04 min

Lab File: BM003728.D

Acq: 23 Dec 2015 03:19

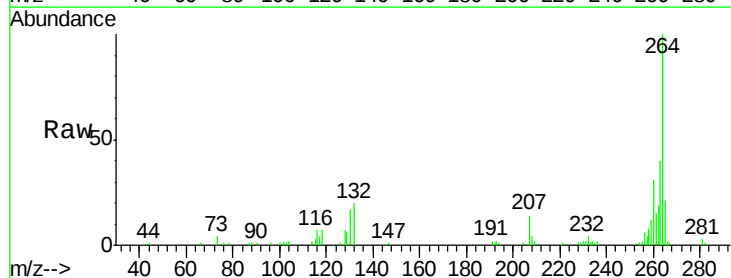
Tgt Ion:264 Resp: 78989

Ion Ratio Lower Upper

264 100

260 31.1 18.6 27.8#

265 20.9 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

