

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060215\  
 Data File : BM001525.D  
 Acq On : 02 Jun 2015 22:26  
 Operator : TP/IZ  
 Sample : G2446-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 T-550

Quant Time: Jun 03 03:09:27 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIM-BM060215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 03 02:19:00 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.71  | 152  | 11963    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8         | 10.49 | 136  | 41120    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.36 | 164  | 19197    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.09 | 188  | 55781    | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12          | 21.28 | 240  | 31593    | 5.00 | ng    | -0.01    |
| 32) Perylene-d12          | 23.53 | 264  | 31146    | 5.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 4) 2-Fluorophenol           | 5.28  | 112  | 21400    | 8.18  | ng    | -0.02    |
| 5) Phenol-d6                | 6.86  | 99   | 20789    | 6.43  | ng    | 0.00     |
| 7) Nitrobenzene-d5          | 8.87  | 82   | 26928    | 10.52 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol    | 15.83 | 330  | 8170     | 22.82 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl        | 12.98 | 172  | 68283    | 11.85 | ng    | 0.00     |
| 27) Terphenyl-d14           | 19.73 | 244  | 59779    | 15.35 | ng    | 0.00     |

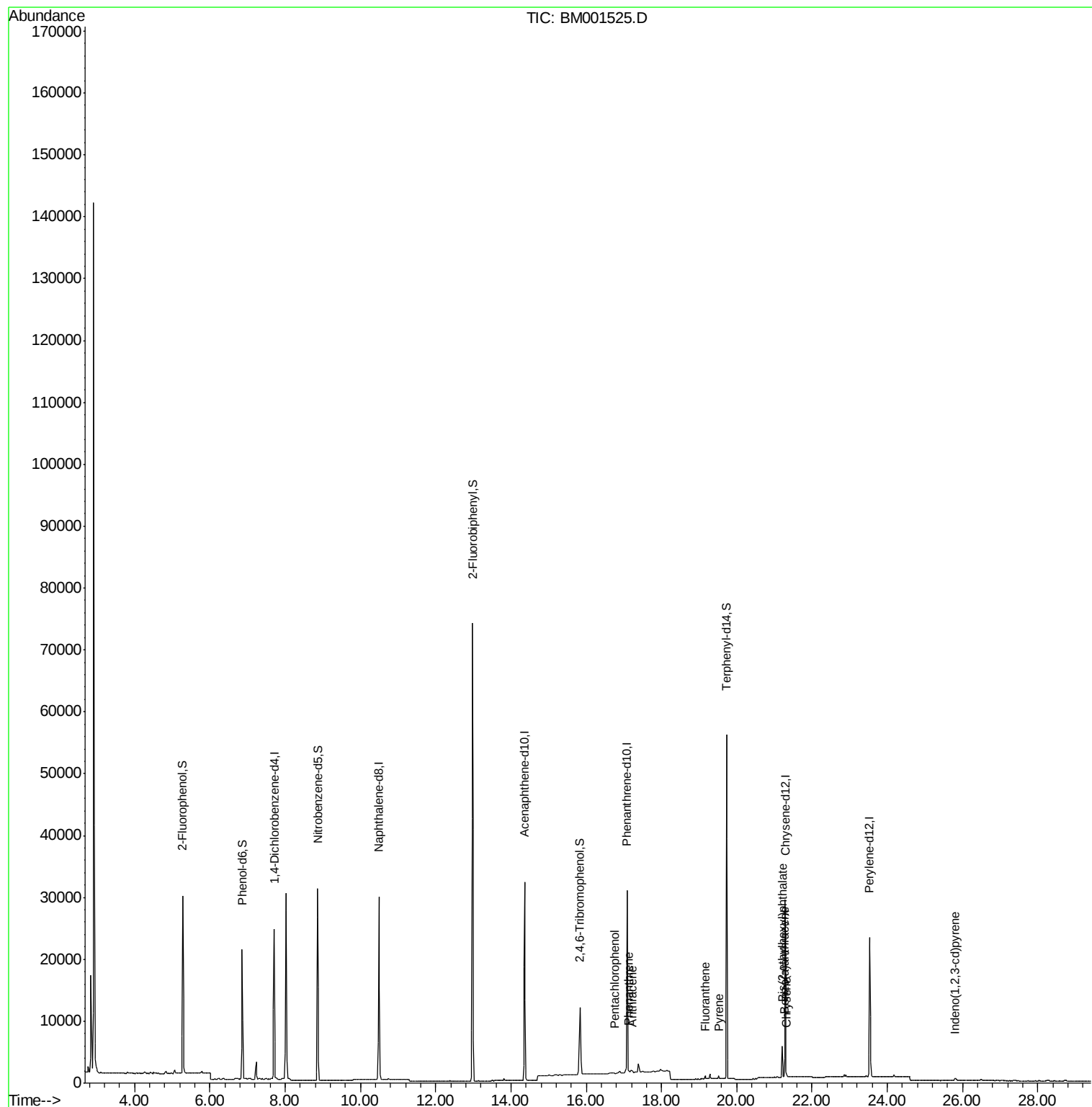
| Target Compounds               | R.T.  | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 21) Pentachlorophenol          | 16.75 | 266  | 82       | 0.28 | ng    | 88     |
| 22) Phenanthrene               | 17.12 | 178  | 408      | 0.04 | ng    | # 81   |
| 23) Anthracene                 | 17.23 | 178  | 355      | 0.03 | ng    | # 89   |
| 24) Fluoranthene               | 19.16 | 202  | 466      | 0.05 | ng    | # 74   |
| 26) Pyrene                     | 19.53 | 202  | 461      | 0.05 | ng    | 96     |
| 28) Benzo(a)anthracene         | 21.27 | 228  | 571      | 0.07 | ng    | # 74   |
| 29) Chrysene                   | 21.31 | 228  | 500      | 0.06 | ng    | # 70   |
| 30) Bis(2-ethylhexyl)phthalate | 21.21 | 149  | 5240     | 0.87 | ng    | 96     |
| 31) Indeno(1,2,3-cd)pyrene     | 25.80 | 276  | 453      | 0.05 | ng    | # 83   |

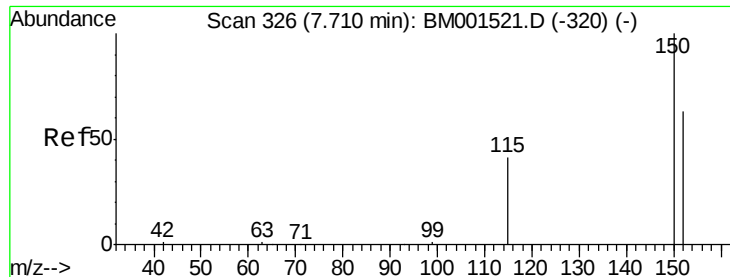
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060215\  
Data File : BM001525.D  
Acq On : 02 Jun 2015 22:26  
Operator : TP/IZ  
Sample : G2446-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
T-550

Quant Time: Jun 03 03:09:27 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIM-BM060215.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 03 02:19:00 2015  
Response via : Initial Calibration



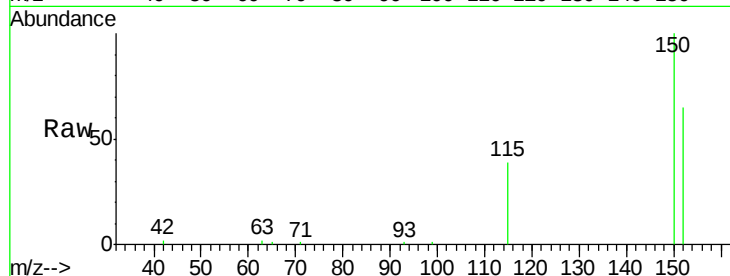


#1

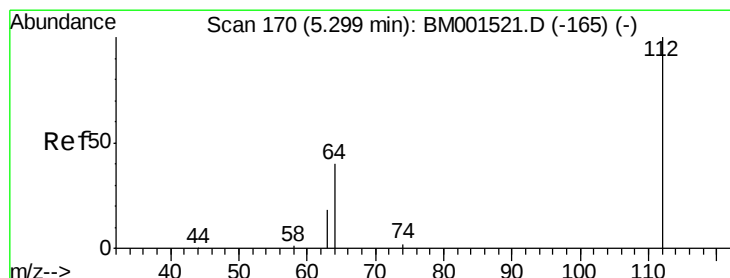
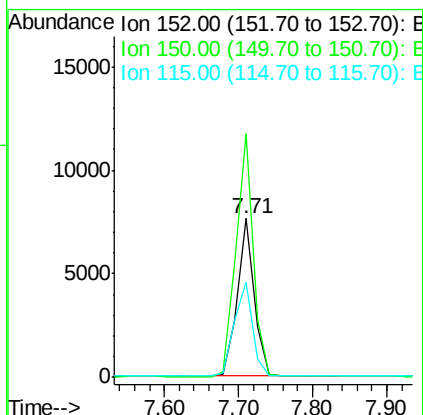
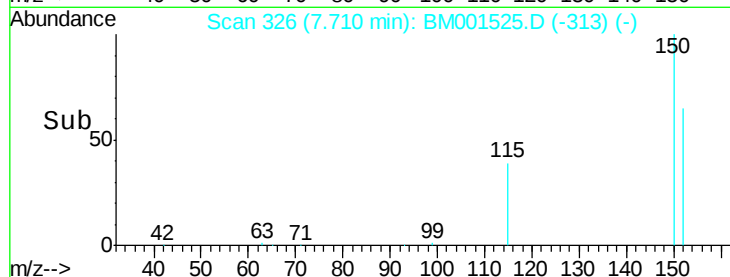
1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.71 min Scan# 326  
Delta R.T. -0.00 min  
Lab File: BM001525.D  
Acq: 02 Jun 2015 22:26

Instrument :  
BNA\_M  
ClientSampleId :  
T-550

Tgt Ion:152 Resp: 11963  
Ion Ratio Lower Upper  
152 100  
150 153.1 119.0 178.6  
115 60.1 41.8 62.8



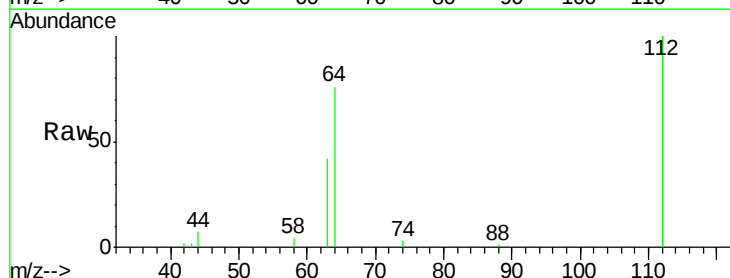
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



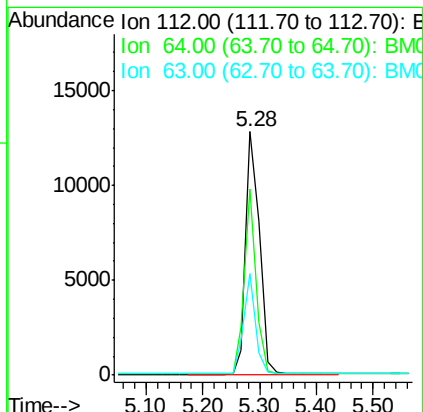
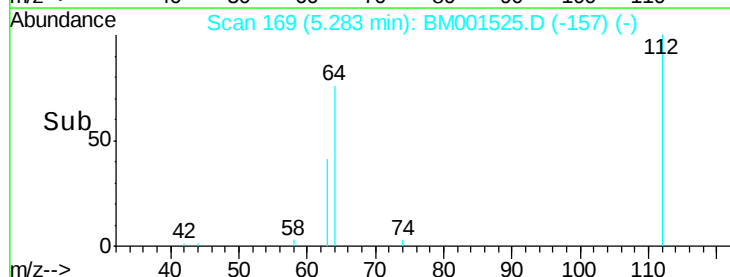
#4

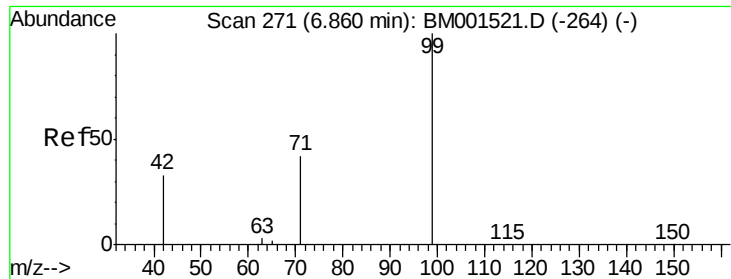
2-Fluorophenol  
Concen: 8.18 ng  
RT: 5.28 min Scan# 169  
Delta R.T. -0.02 min  
Lab File: BM001525.D  
Acq: 02 Jun 2015 22:26

Tgt Ion:112 Resp: 21400  
Ion Ratio Lower Upper  
112 100  
64 66.3 51.7 77.5  
63 36.7 29.7 44.5



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





#5

Phenol-d6

Concen: 6.43 ng

RT: 6.86 min Scan# 271

Delta R.T. -0.00 min

Lab File: BM001525.D

Acq: 02 Jun 2015 22:26

Instrument :

BNA\_M

ClientSampleId :

T-550

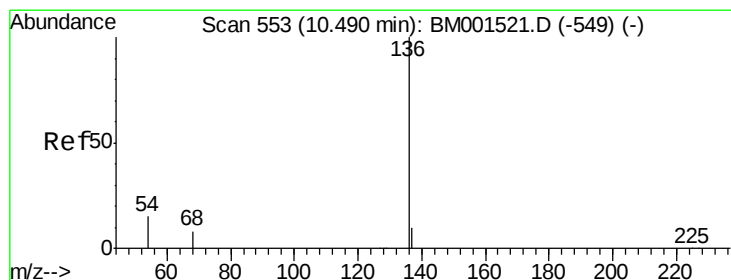
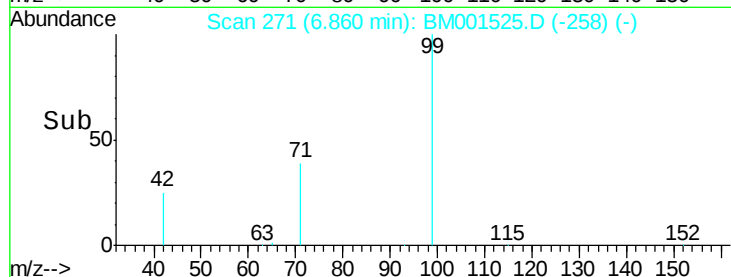
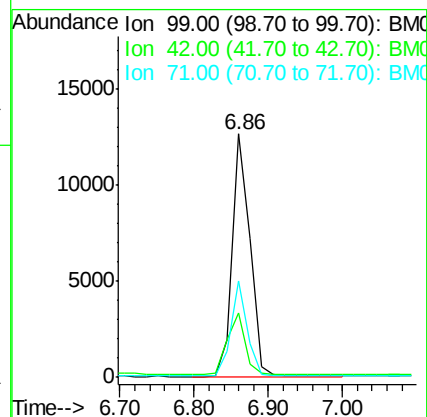
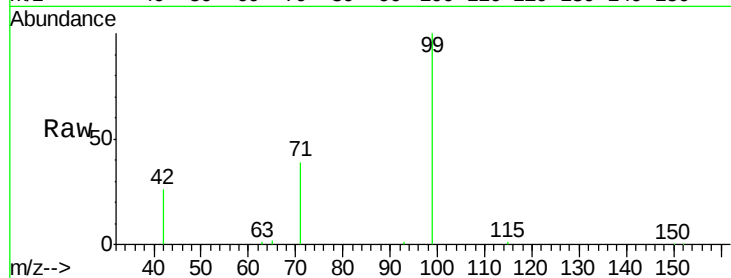
Tgt Ion: 99 Resp: 20789

Ion Ratio Lower Upper

99 100

42 25.7 21.8 32.6

71 35.8 29.2 43.8



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.49 min Scan# 553

Delta R.T. -0.00 min

Lab File: BM001525.D

Acq: 02 Jun 2015 22:26

Tgt Ion: 136 Resp: 41120

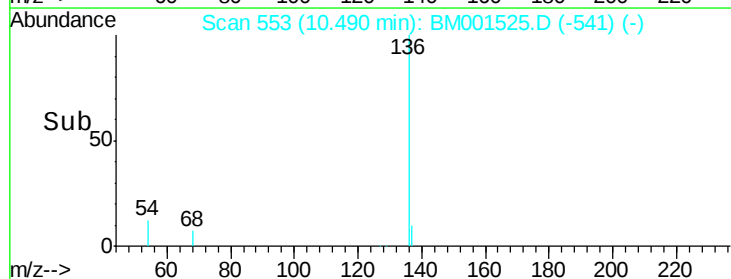
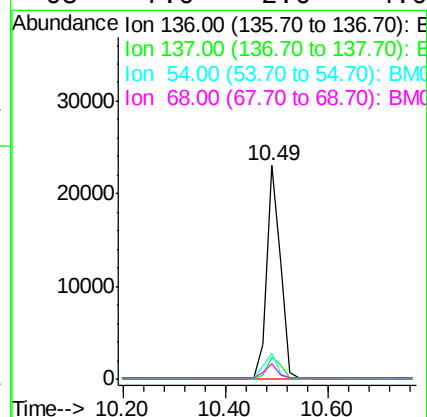
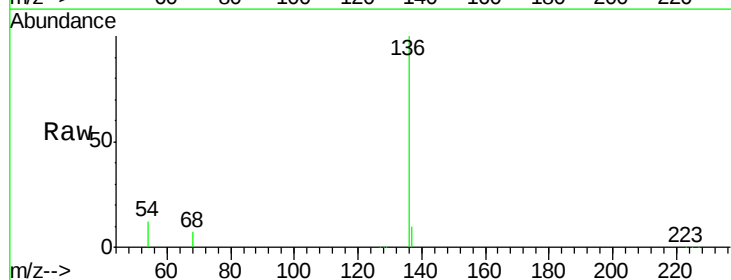
Ion Ratio Lower Upper

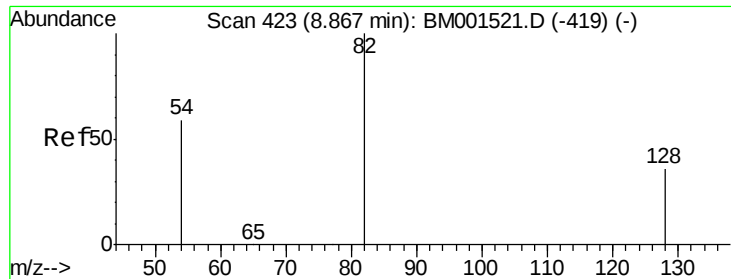
136 100

137 10.4 9.1 13.7

54 11.9 4.3 6.5#

68 7.0 2.6 4.0#





#7

Nitrobenzene-d5

Concen: 10.52 ng

RT: 8.87 min Scan# 423

Delta R.T. -0.00 min

Lab File: BM001525.D

Acq: 02 Jun 2015 22:26

Instrument :

BNA\_M

ClientSampleId :

T-550

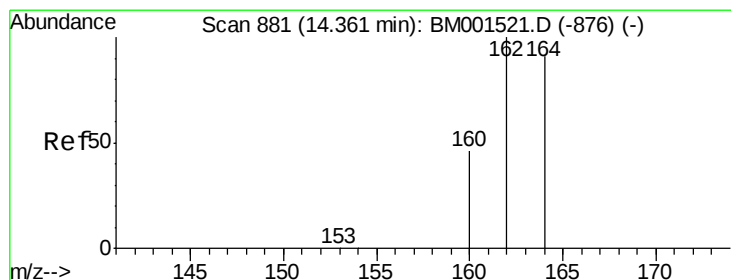
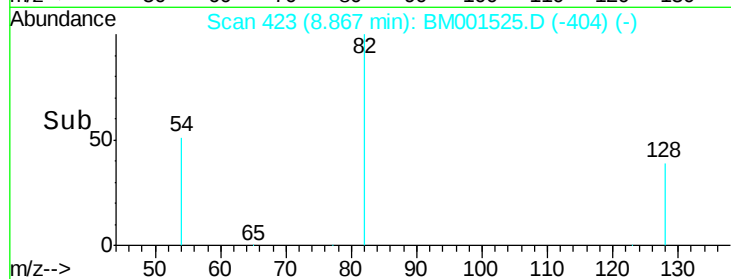
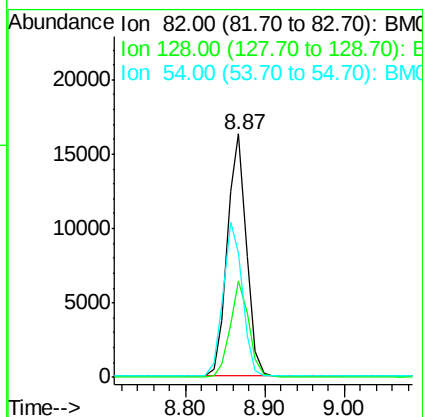
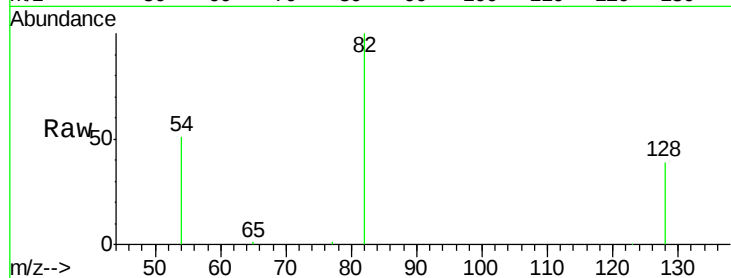
Tgt Ion: 82 Resp: 26928

Ion Ratio Lower Upper

82 100

128 39.5 30.2 45.4

54 51.1 52.9 79.3#



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.36 min Scan# 881

Delta R.T. -0.01 min

Lab File: BM001525.D

Acq: 02 Jun 2015 22:26

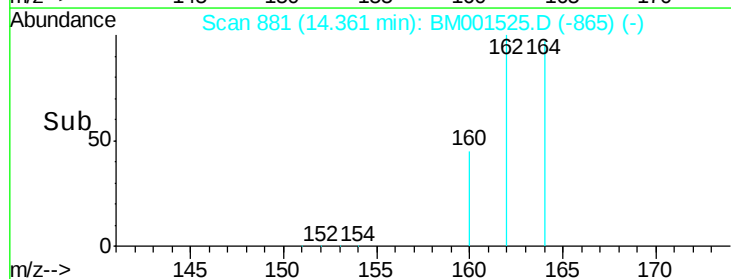
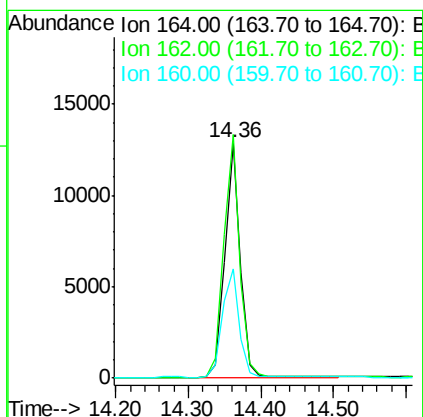
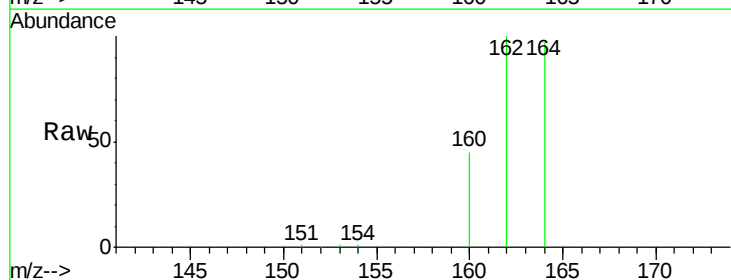
Tgt Ion: 164 Resp: 19197

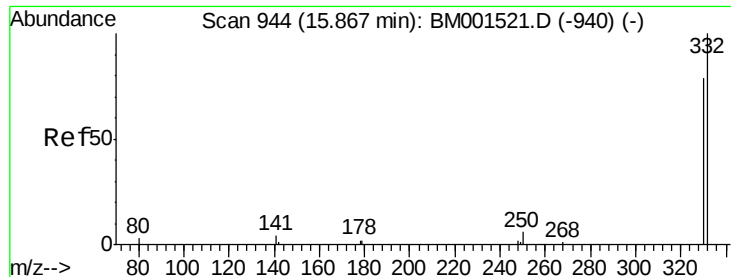
Ion Ratio Lower Upper

164 100

162 103.5 83.4 125.2

160 46.5 36.9 55.3

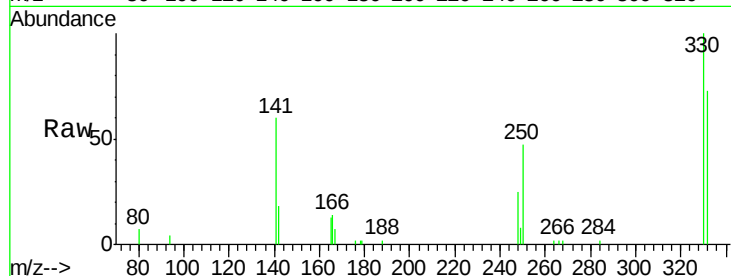




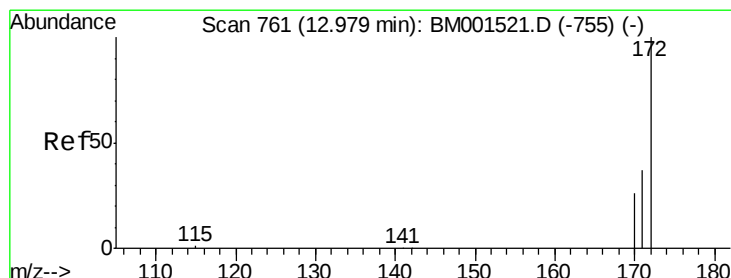
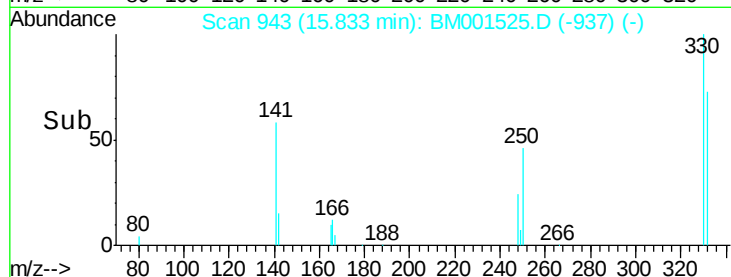
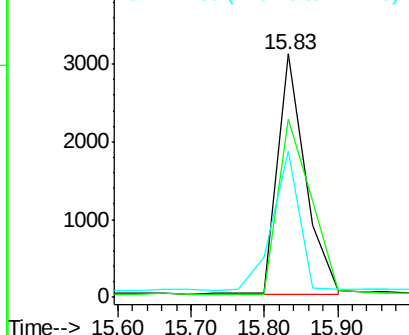
#13  
 2,4,6-Tribromophenol  
 Concen: 22.82 ng  
 RT: 15.83 min Scan# 943  
 Delta R.T. -0.01 min  
 Lab File: BM001525.D  
 Acq: 02 Jun 2015 22:26

Instrument :  
 BNA\_M  
 ClientSampleId :  
 T-550

Tgt Ion:330 Resp: 8170  
 Ion Ratio Lower Upper  
 330 100  
 332 86.8 90.3 135.5#  
 141 56.8 0.0 0.0#

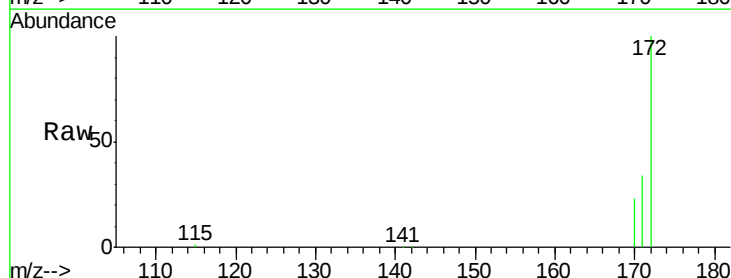


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

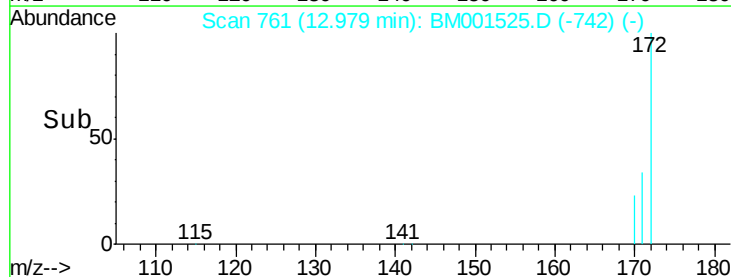
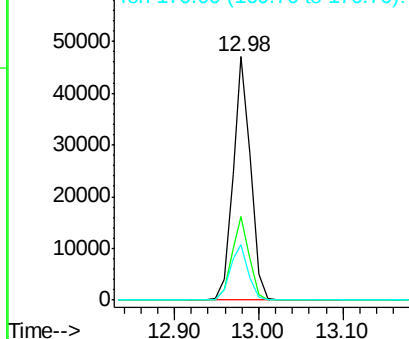


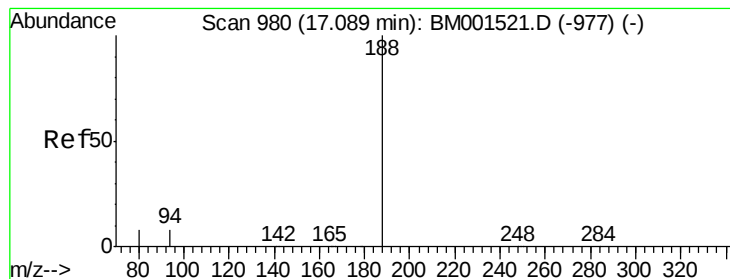
#14  
 2-Fluorobiphenyl  
 Concen: 11.85 ng  
 RT: 12.98 min Scan# 761  
 Delta R.T. -0.01 min  
 Lab File: BM001525.D  
 Acq: 02 Jun 2015 22:26

Tgt Ion:172 Resp: 68283  
 Ion Ratio Lower Upper  
 172 100  
 171 34.3 29.4 44.0  
 170 22.7 20.2 30.4



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





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.09 min Scan# 980

Delta R.T. -0.01 min

Lab File: BM001525.D

Acq: 02 Jun 2015 22:26

Instrument :

BNA\_M

ClientSampleId :

T-550

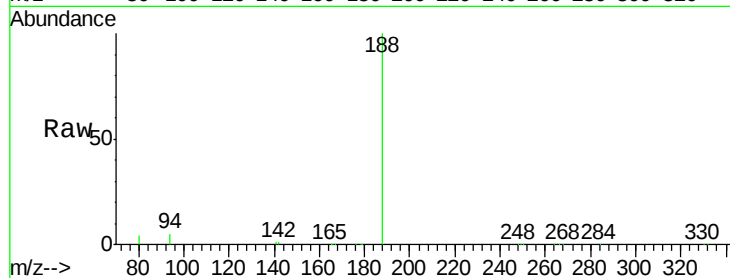
Tgt Ion:188 Resp: 55781

Ion Ratio Lower Upper

188 100

94 4.6 3.0 4.4#

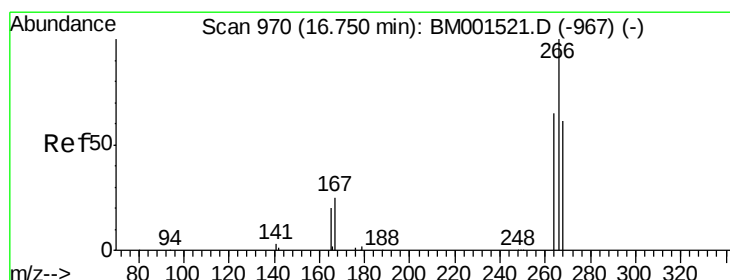
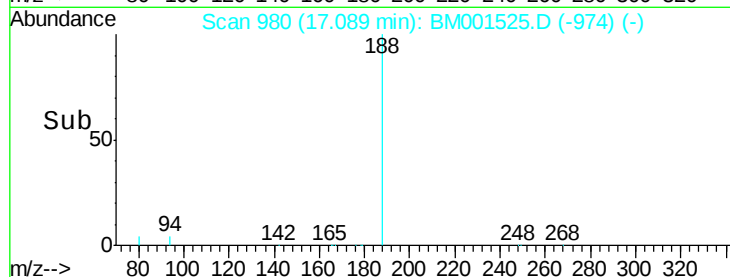
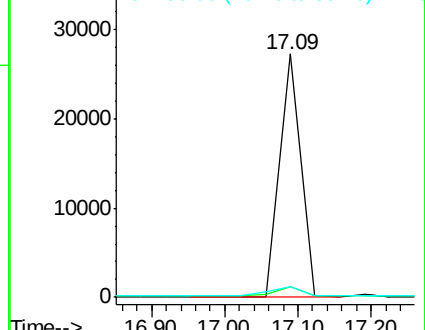
80 4.3 2.5 3.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#21

Pentachlorophenol

Concen: 0.28 ng

RT: 16.75 min Scan# 970

Delta R.T. -0.01 min

Lab File: BM001525.D

Acq: 02 Jun 2015 22:26

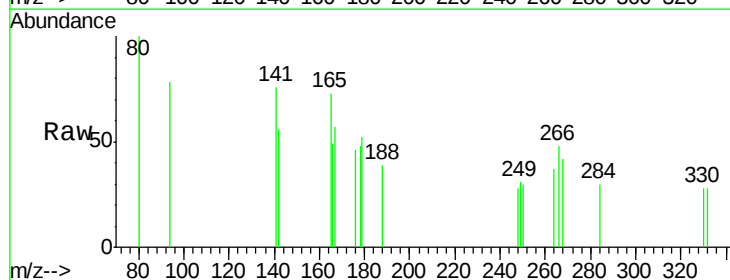
Tgt Ion:266 Resp: 82

Ion Ratio Lower Upper

266 100

268 87.7 63.0 94.4

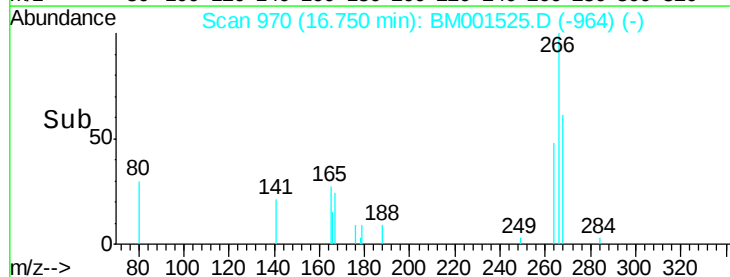
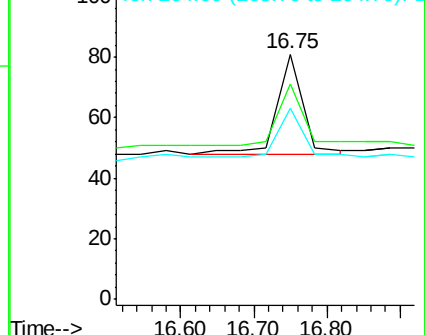
264 77.8 52.8 79.2

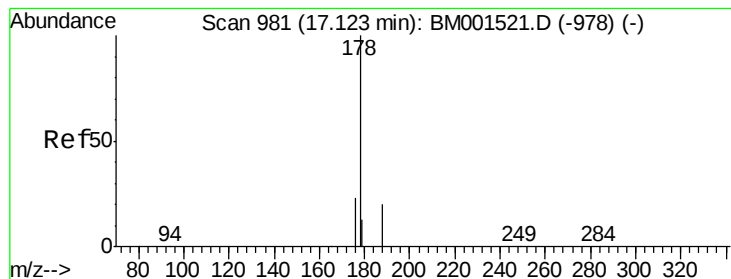


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.04 ng

RT: 17.12 min Scan# 981

Delta R.T. -0.01 min

Lab File: BM001525.D

Acq: 02 Jun 2015 22:26

Instrument :

BNA\_M

ClientSampleId :

T-550

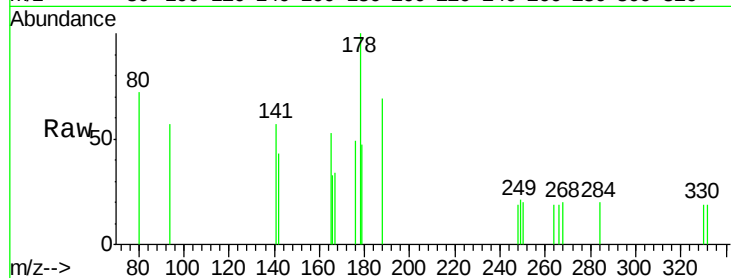
Tgt Ion:178 Resp: 408

Ion Ratio Lower Upper

178 100

176 20.6 16.8 25.2

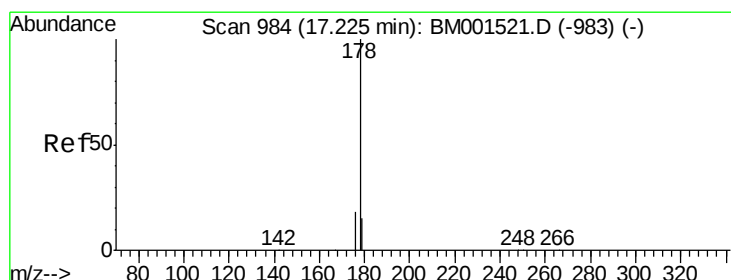
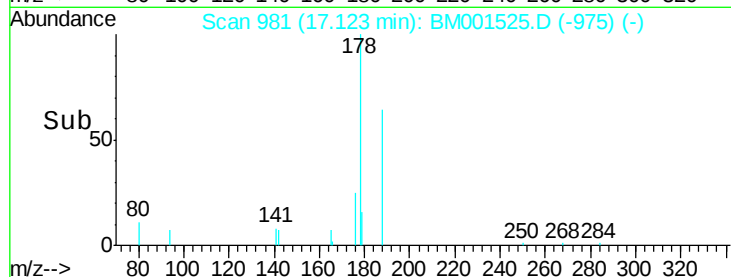
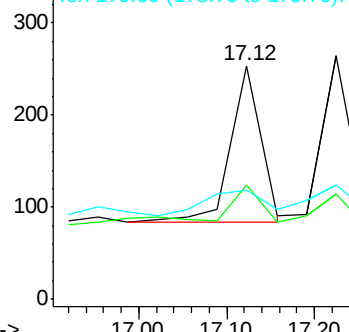
179 33.1 11.0 16.4#



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



#23

Anthracene

Concen: 0.03 ng

RT: 17.23 min Scan# 984

Delta R.T. -0.01 min

Lab File: BM001525.D

Acq: 02 Jun 2015 22:26

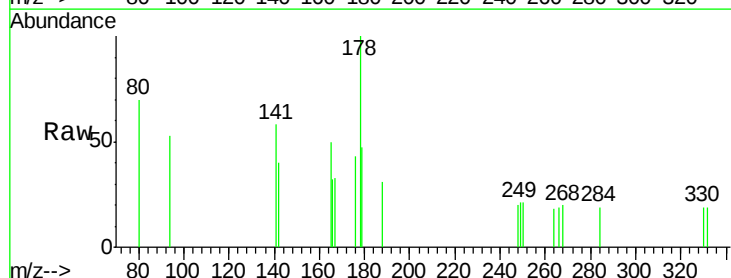
Tgt Ion:178 Resp: 355

Ion Ratio Lower Upper

178 100

176 18.9 13.1 19.7

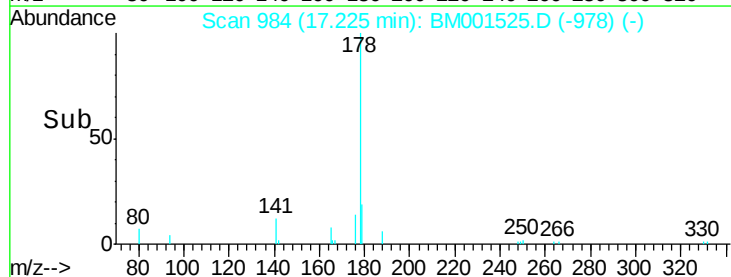
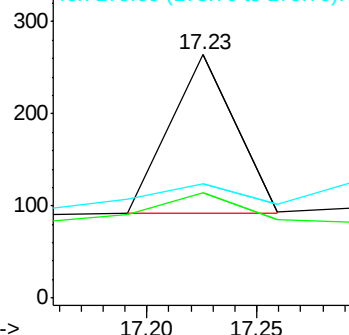
179 23.1 12.8 19.2#

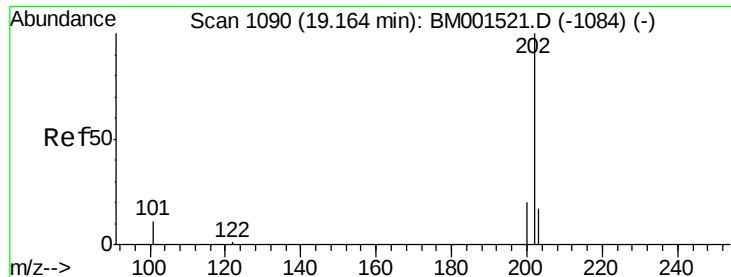


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

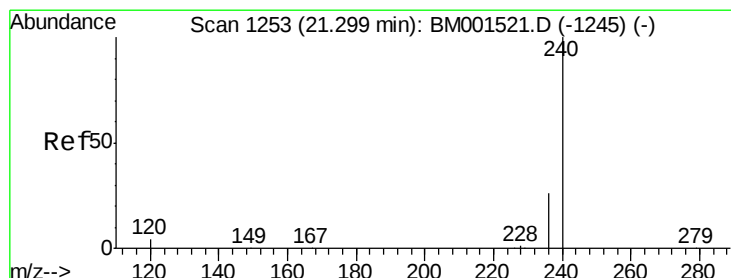
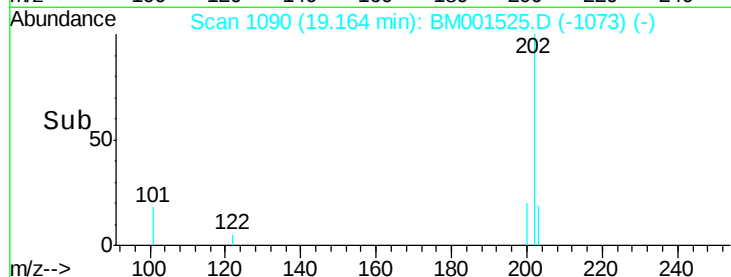
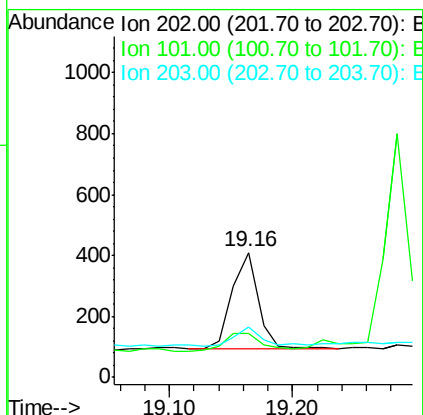
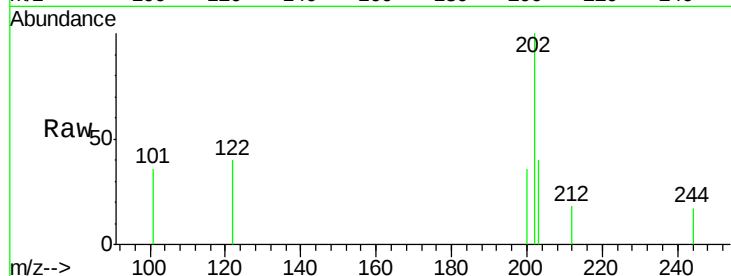




#24  
 Fluoranthene  
 Concen: 0.05 ng  
 RT: 19.16 min Scan# 1090  
 Delta R.T. 0.00 min  
 Lab File: BM001525.D  
 Acq: 02 Jun 2015 22:26

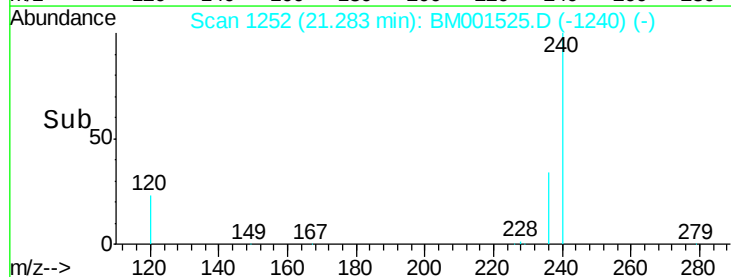
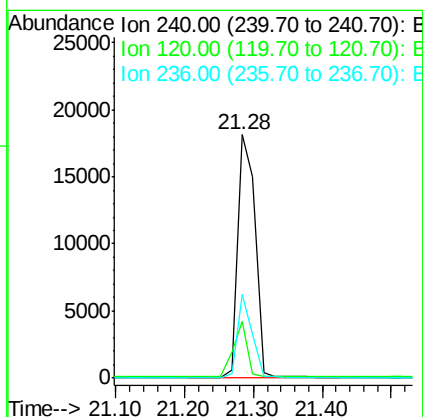
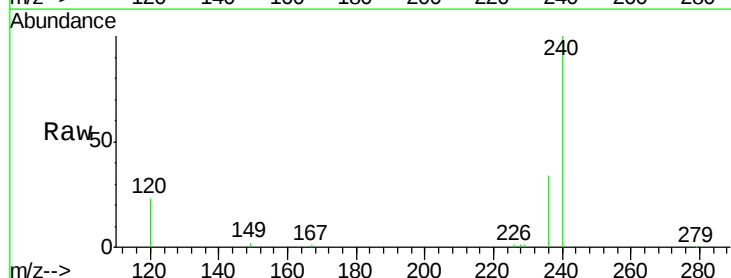
Instrument :  
 BNA\_M  
 ClientSampleId :  
 T-550

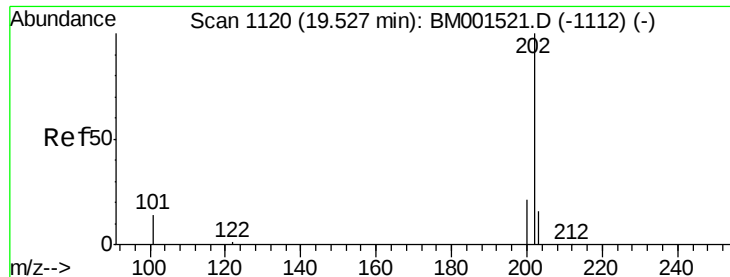
Tgt Ion:202 Resp: 466  
 Ion Ratio Lower Upper  
 202 100  
 101 27.9 8.6 12.8#  
 203 23.4 13.8 20.6#



#25  
 Chrysene-d12  
 Concen: 5.00 ng  
 RT: 21.28 min Scan# 1252  
 Delta R.T. -0.01 min  
 Lab File: BM001525.D  
 Acq: 02 Jun 2015 22:26

Tgt Ion:240 Resp: 31593  
 Ion Ratio Lower Upper  
 240 100  
 120 23.5 9.7 14.5#  
 236 34.2 24.8 37.2

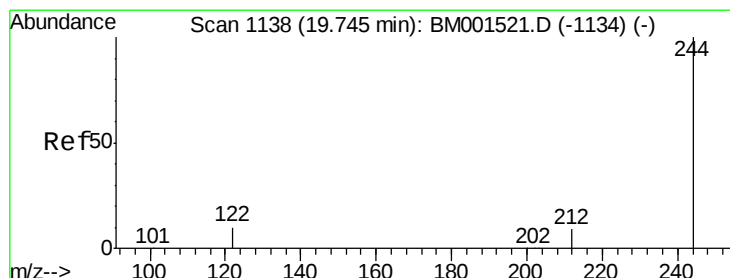
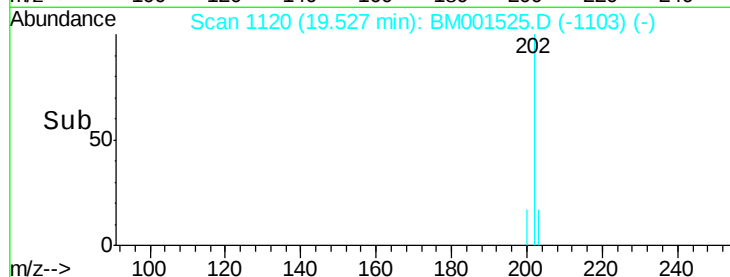
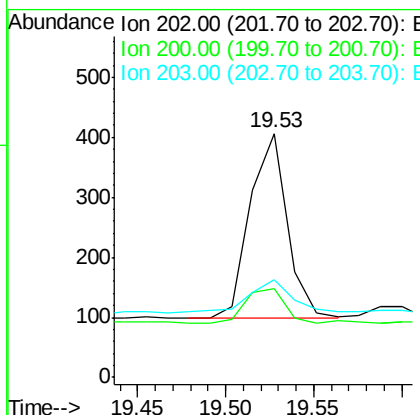
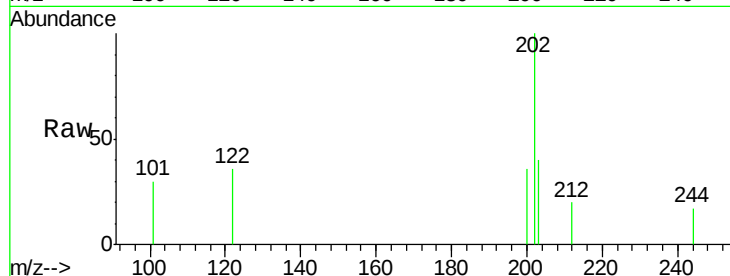




#26  
Pyrene  
Concen: 0.05 ng  
RT: 19.53 min Scan# 1120  
Delta R.T. 0.00 min  
Lab File: BM001525.D  
Acq: 02 Jun 2015 22:26

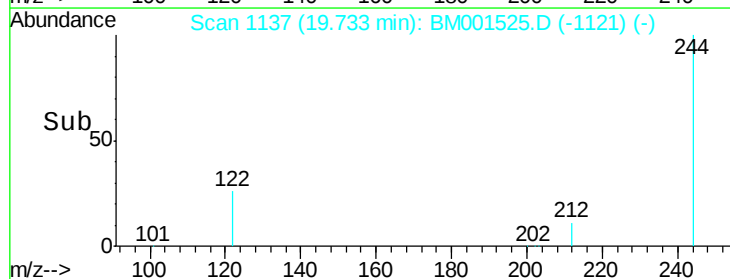
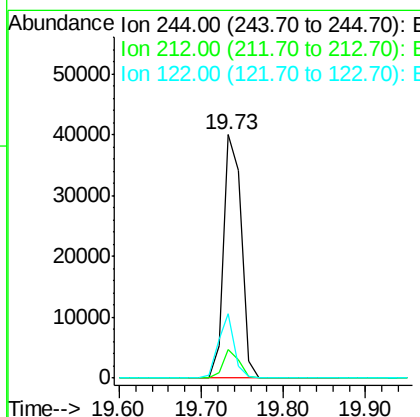
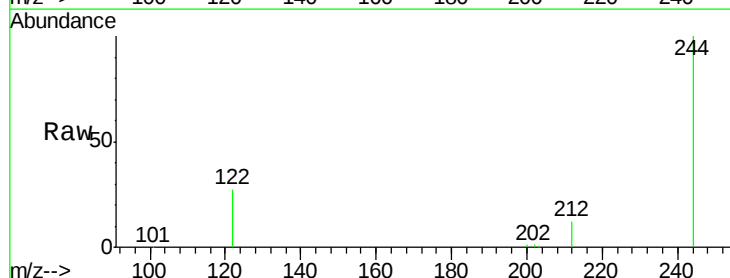
Instrument :  
BNA\_M  
ClientSampleId :  
T-550

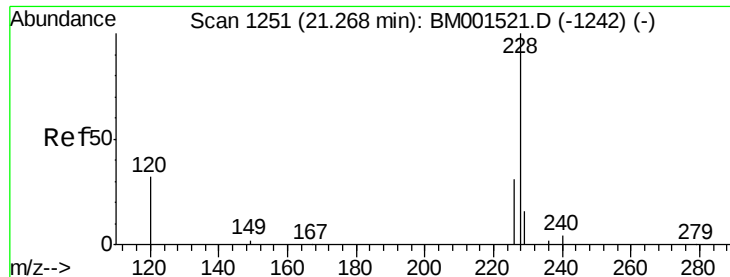
Tgt Ion: 202 Resp: 461  
Ion Ratio Lower Upper  
202 100  
200 21.3 16.4 24.6  
203 20.0 13.9 20.9



#27  
Terphenyl-d14  
Concen: 15.35 ng  
RT: 19.73 min Scan# 1137  
Delta R.T. -0.01 min  
Lab File: BM001525.D  
Acq: 02 Jun 2015 22:26

Tgt Ion: 244 Resp: 59779  
Ion Ratio Lower Upper  
244 100  
212 11.6 7.2 10.8#  
122 26.7 5.1 7.7#





#28

Benzo(a)anthracene

Concen: 0.07 ng

RT: 21.27 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BM001525.D

Acq: 02 Jun 2015 22:26

Instrument :

BNA\_M

ClientSampled :

T-550

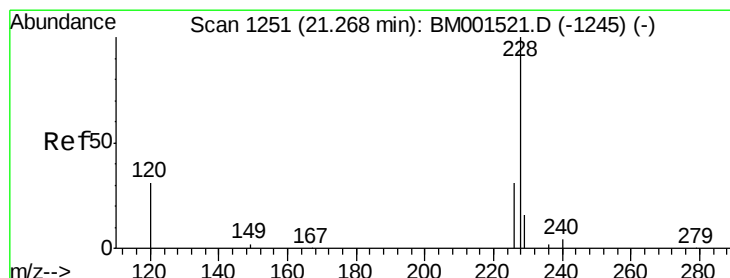
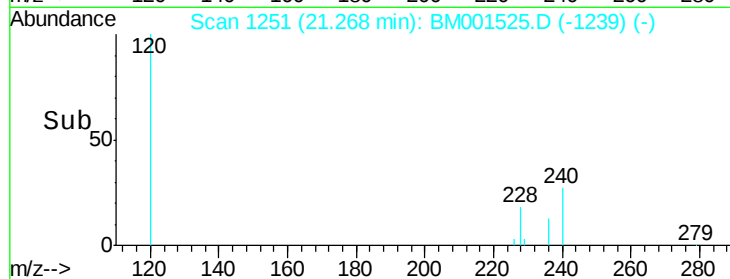
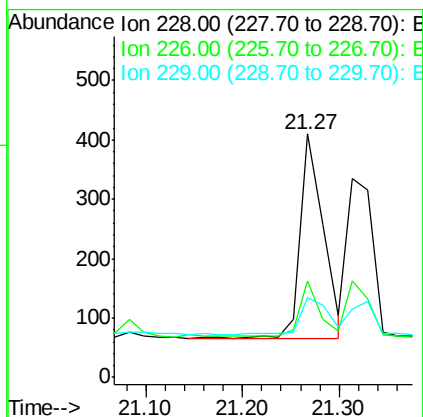
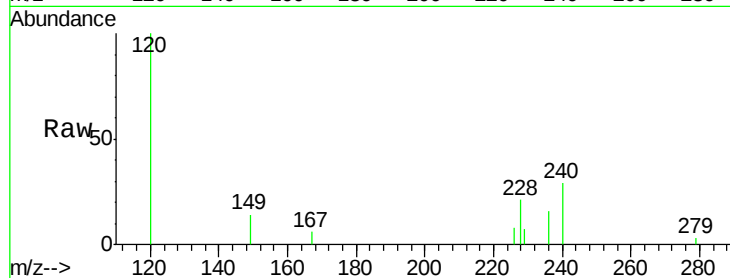
Tgt Ion:228 Resp: 571

Ion Ratio Lower Upper

228 100

226 39.5 21.9 32.9#

229 32.9 15.1 22.7#



#29

Chrysene

Concen: 0.06 ng

RT: 21.31 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BM001525.D

Acq: 02 Jun 2015 22:26

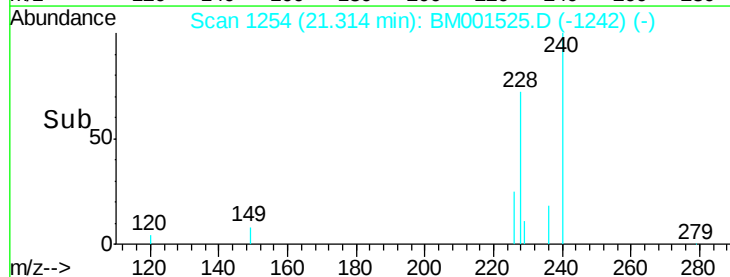
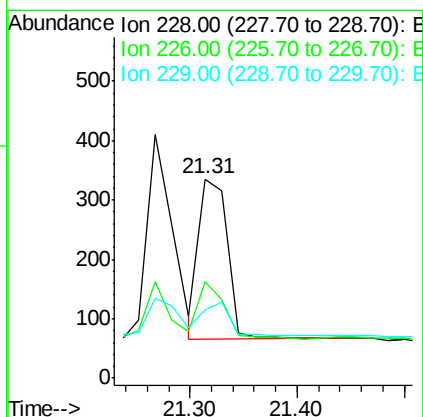
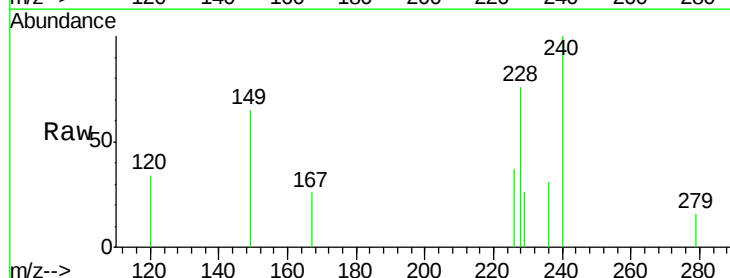
Tgt Ion:228 Resp: 500

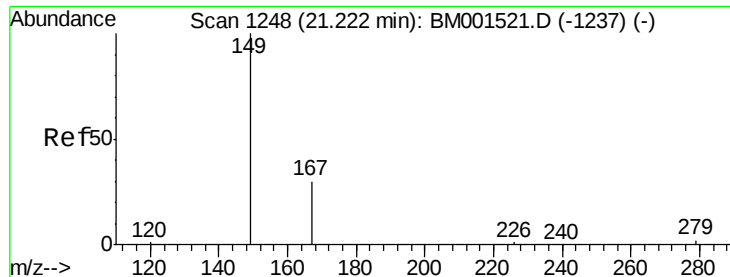
Ion Ratio Lower Upper

228 100

226 48.4 27.6 41.4#

229 34.6 13.6 20.4#

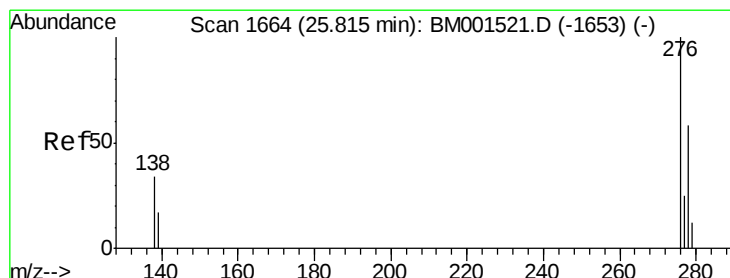
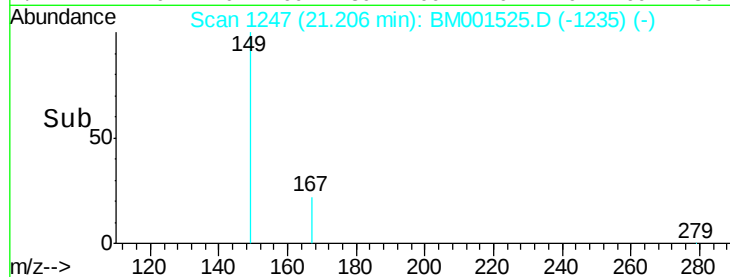
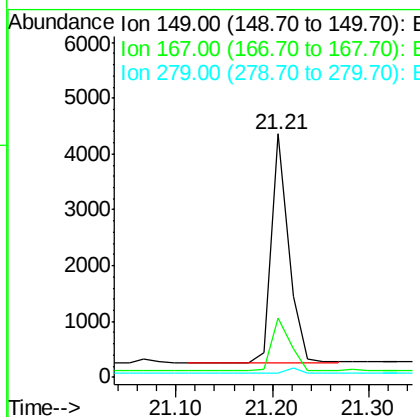
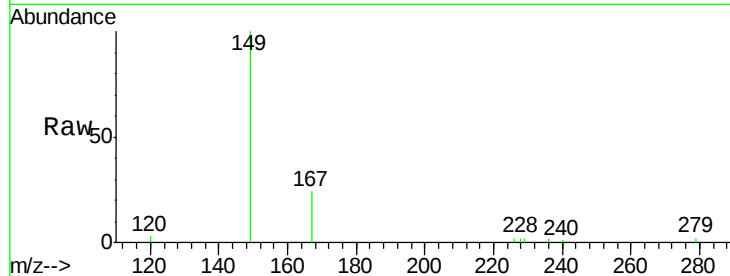




#30  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.87 ng  
 RT: 21.21 min Scan# 1247  
 Delta R.T. -0.01 min  
 Lab File: BM001525.D  
 Acq: 02 Jun 2015 22:26

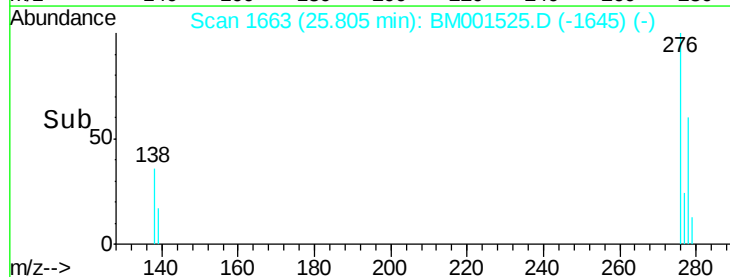
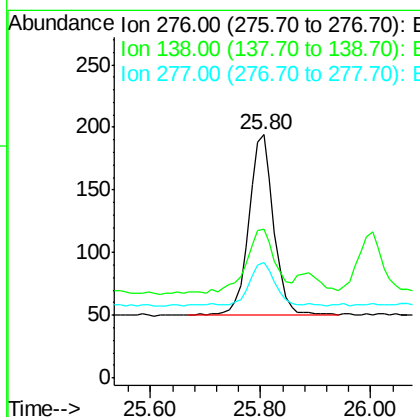
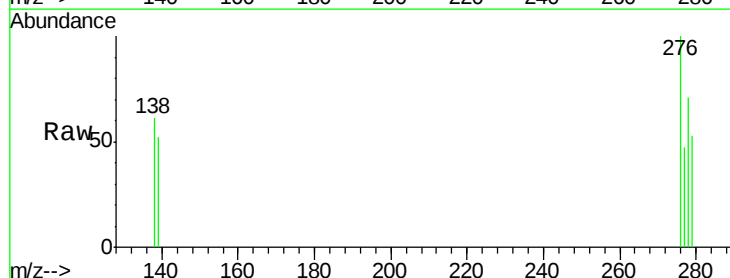
Instrument :  
 BNA\_M  
 ClientSampleId :  
 T-550

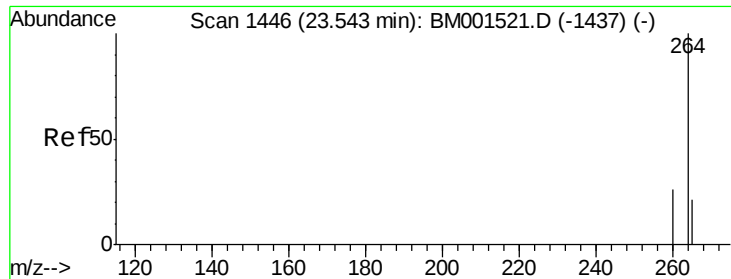
Tgt Ion:149 Resp: 5240  
 Ion Ratio Lower Upper  
 149 100  
 167 24.4 21.0 31.6  
 279 2.2 2.2 3.2



#31  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.05 ng  
 RT: 25.80 min Scan# 1663  
 Delta R.T. -0.01 min  
 Lab File: BM001525.D  
 Acq: 02 Jun 2015 22:26

Tgt Ion:276 Resp: 453  
 Ion Ratio Lower Upper  
 276 100  
 138 44.6 23.4 35.0#  
 277 25.4 19.5 29.3





#32  
Perylene-d12  
Concen: 5.00 ng  
RT: 23.53 min Scan# 1445  
Delta R.T. -0.01 min  
Lab File: BM001525.D  
Acq: 02 Jun 2015 22:26

Instrument :  
BNA\_M  
ClientSampleId :  
T-550

Tgt Ion: 264 Resp: 31146  
Ion Ratio Lower Upper  
264 100  
260 27.0 20.1 30.1  
265 23.0 17.1 25.7

