

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013120\  
 Data File : BM024694.D  
 Acq On : 01 Feb 2020 02:21  
 Operator : CG/JU  
 Sample : L1294-07  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 M1

Quant Time: Feb 01 02:53:50 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 23 14:57:07 2020  
 Response via : Initial Calibration

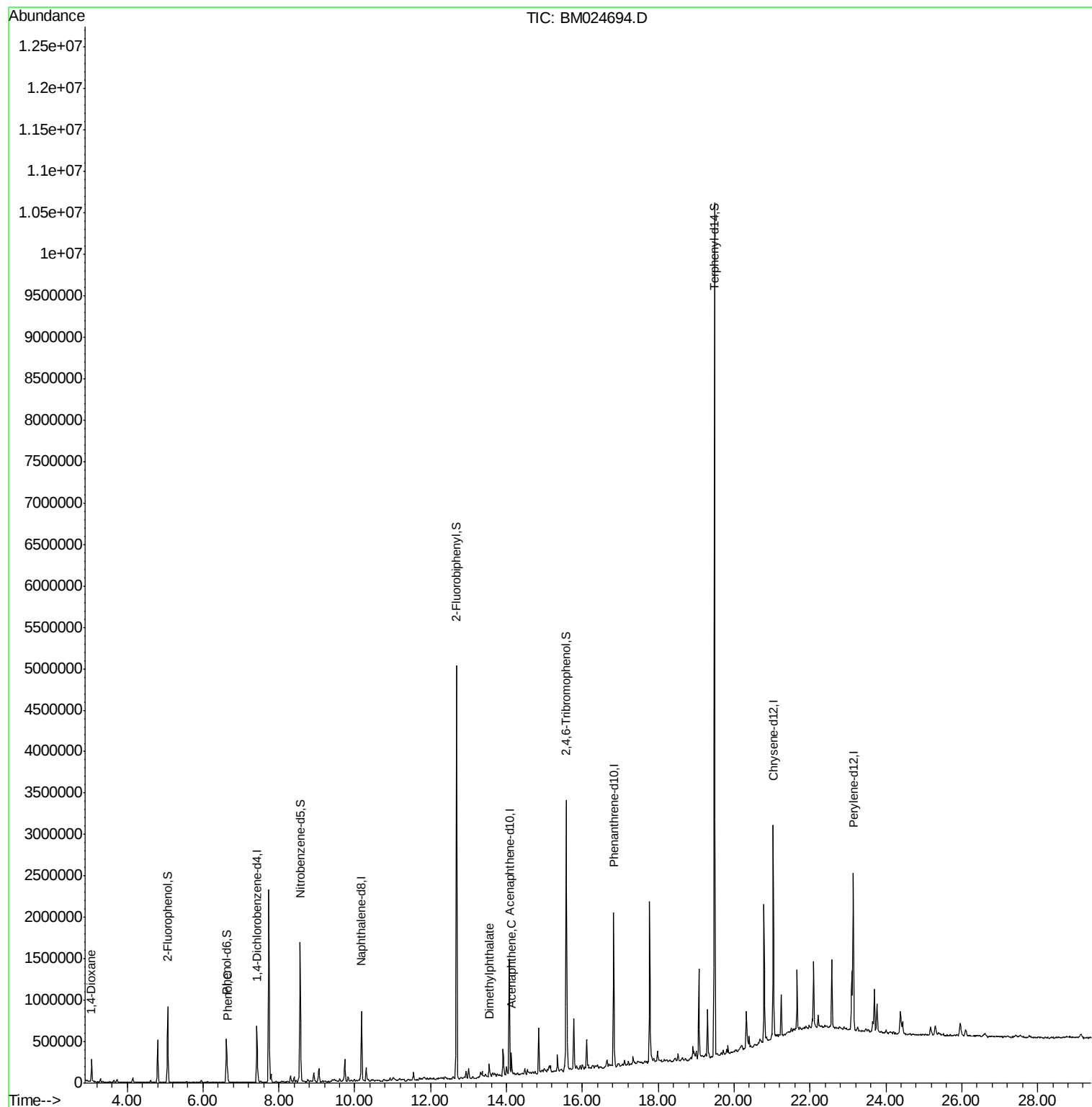
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.42  | 152  | 188088   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.18 | 136  | 691622   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.07 | 164  | 486564   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 16.83 | 188  | 1136692  | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.03 | 240  | 1222856  | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 23.14 | 264  | 1411738  | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.07  | 112  | 387579   | 39.19  | ng    | -0.01    |
| 7) Phenol-d6                | 6.62  | 99   | 287423   | 21.10  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.56  | 82   | 946364   | 67.10  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.57 | 330  | 672727   | 85.00  | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 12.69 | 172  | 2622807  | 73.28  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.49 | 244  | 5083380  | 77.61  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 2) 1,4-Dioxane              | 3.06  | 88   | 152028   | 38.859 | ng    | 91       |
| 10) Phenol                  | 6.65  | 94   | 80816    | 5.951  | ng    | 97       |
| 50) Dimethylphthalate       | 13.54 | 163  | 110846   | 2.817  | ng    | 98       |
| 52) Acenaphthene            | 14.13 | 154  | 86273    | 3.124  | ng    | 92       |

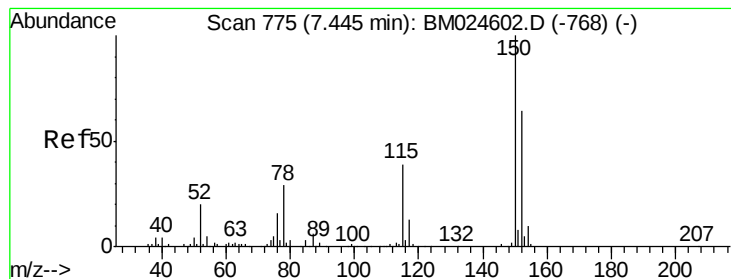
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013120\  
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Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
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M1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 23 14:57:07 2020  
Response via : Initial Calibration



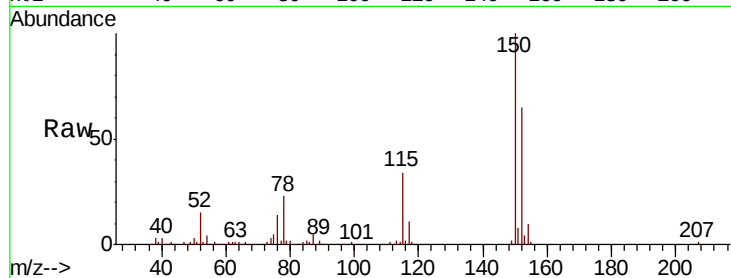


#1

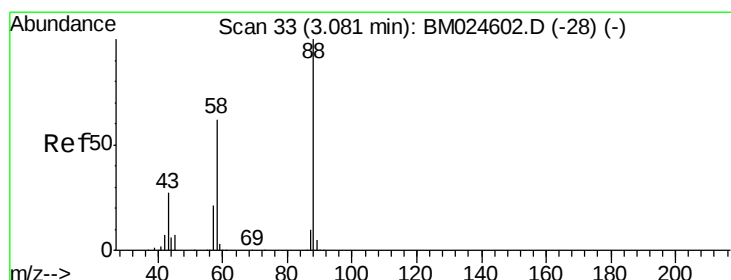
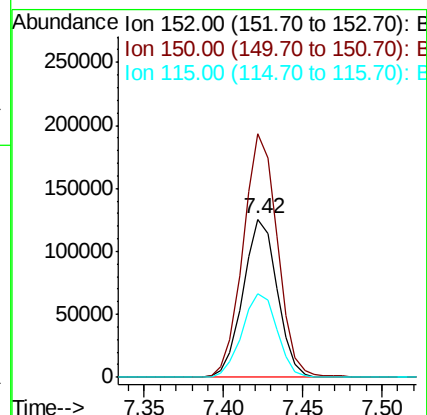
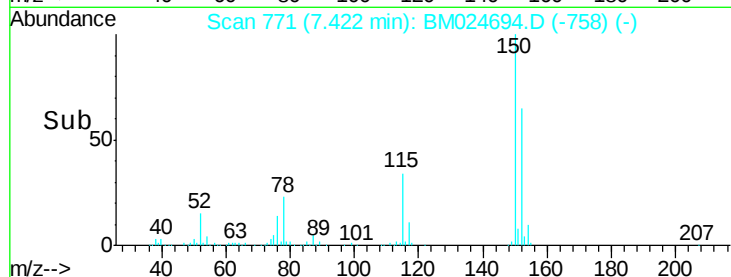
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.42 min Scan# 771  
Delta R.T. -0.02 min  
Lab File: BM024694.D  
Acq: 01 Feb 2020 02:21

Instrument :  
BNA\_M  
ClientSampled :  
M1

Tot Ion:152 Resp: 188088  
Ion Ratio Lower Upper  
152 100  
150 154.1 124.2 186.4  
115 53.0 48.6 72.8



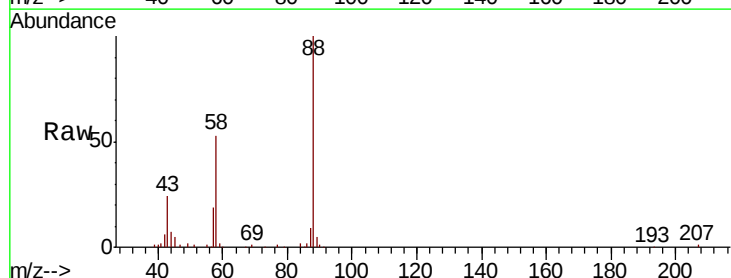
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



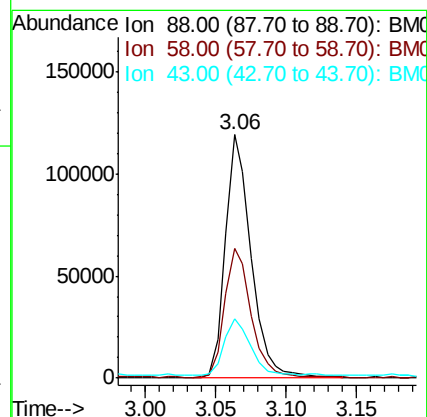
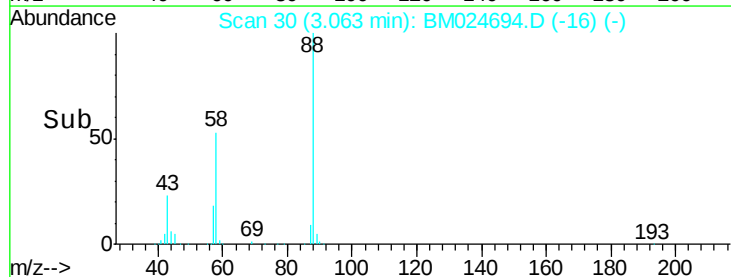
#2

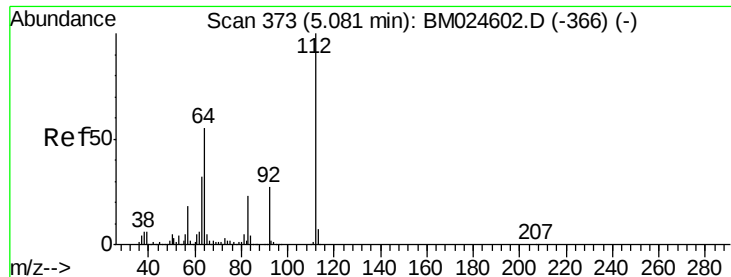
1,4-Dioxane  
Concen: 38.859 ng  
RT: 3.06 min Scan# 30  
Delta R.T. -0.02 min  
Lab File: BM024694.D  
Acq: 01 Feb 2020 02:21

Tgt Ion: 88 Resp: 152028  
Ion Ratio Lower Upper  
88 100  
58 54.2 50.0 75.0  
43 24.1 21.6 32.4



Abundance Ion 88.00 (87.70 to 88.70): BM0  
Ion 58.00 (57.70 to 58.70): BM0  
Ion 43.00 (42.70 to 43.70): BM0





#5

2-Fluorophenol

Concen: 39.188 ng

RT: 5.07 min Scan# 371

Delta R.T. -0.01 min

Lab File: BM024694.D

Acq: 01 Feb 2020 02:21

Instrument :

BNA\_M

ClientSampleId :

M1

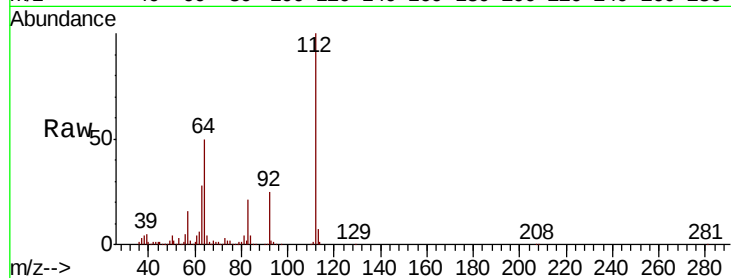
Tot Ion: 112 Resp: 387579

Ion Ratio Lower Upper

112 100

64 50.0 44.2 66.4

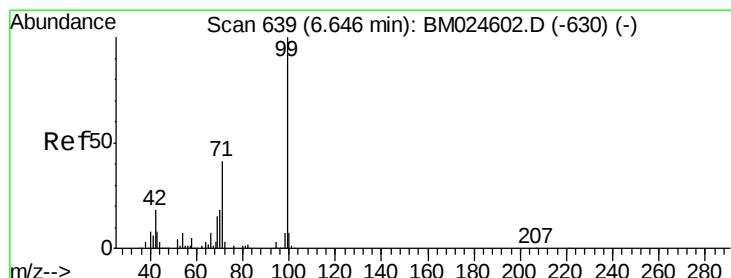
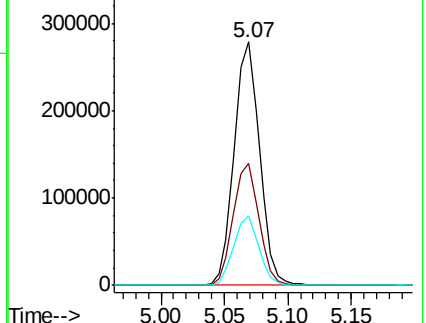
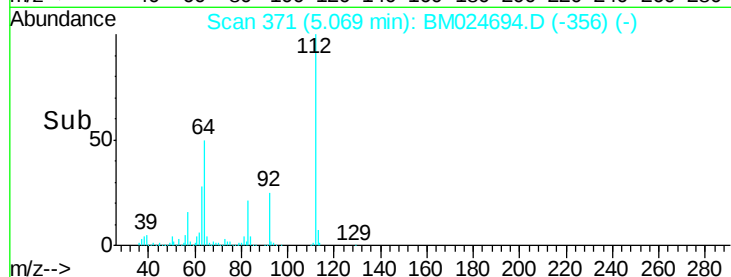
63 28.3 25.9 38.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 21.096 ng

RT: 6.62 min Scan# 635

Delta R.T. -0.02 min

Lab File: BM024694.D

Acq: 01 Feb 2020 02:21

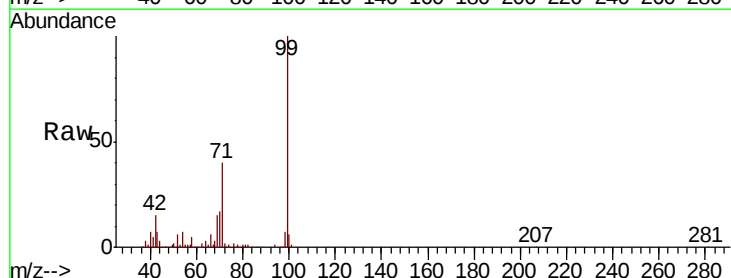
Tgt Ion: 99 Resp: 287423

Ion Ratio Lower Upper

99 100

42 15.4 14.1 21.1

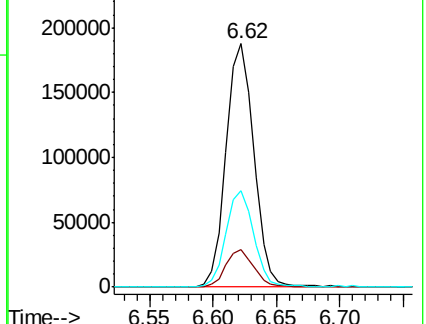
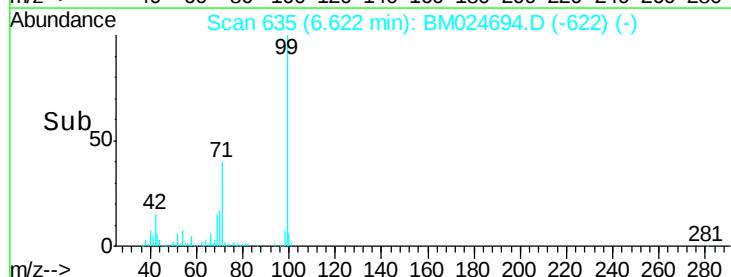
71 39.6 33.0 49.6

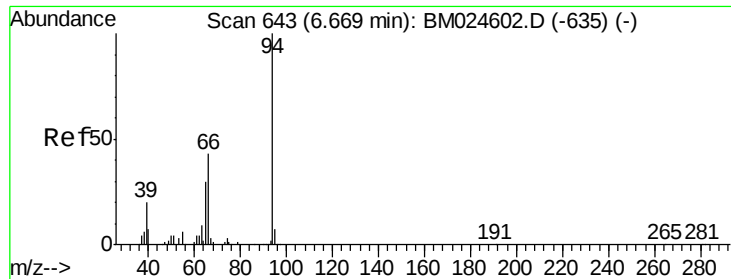


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#10

Phenol

Concen: 5.951 ng

RT: 6.65 min Scan# 639

Delta R.T. -0.02 min

Lab File: BM024694.D

Acq: 01 Feb 2020 02:21

Instrument :

BNA\_M

ClientSampleId :

M1

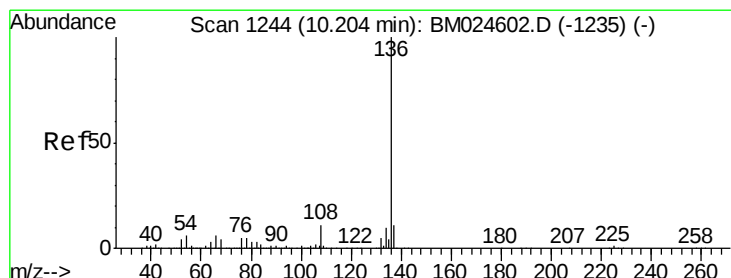
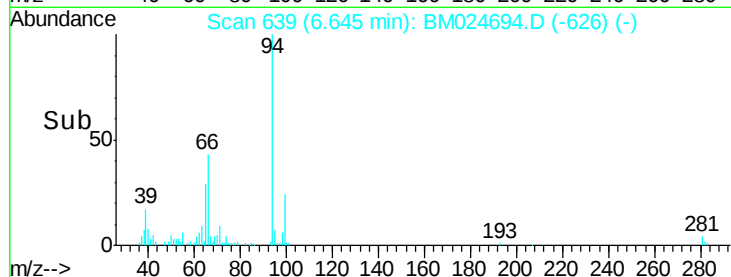
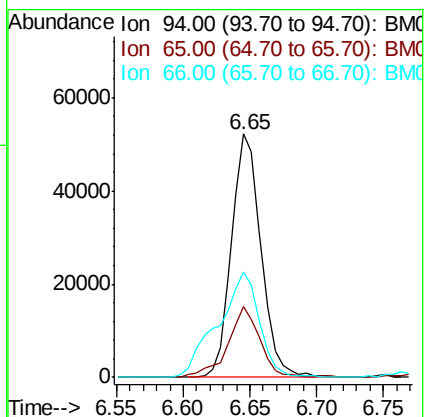
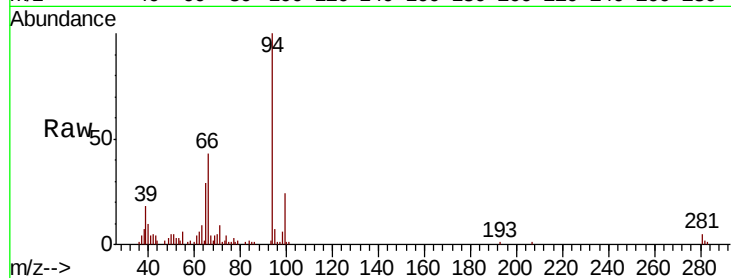
Tot Ion: 94 Resp: 80816

Ion Ratio Lower Upper

94 100

65 29.1 10.3 50.3

66 43.1 24.8 64.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BM024694.D

Acq: 01 Feb 2020 02:21

Tgt Ion: 136 Resp: 691622

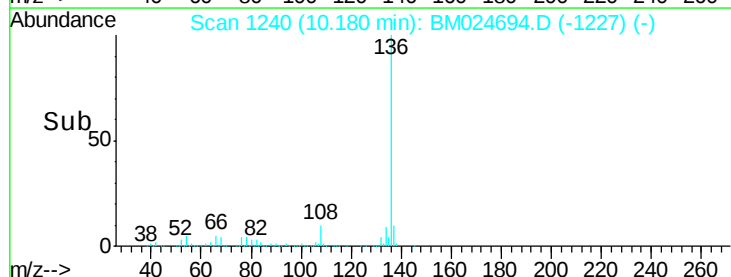
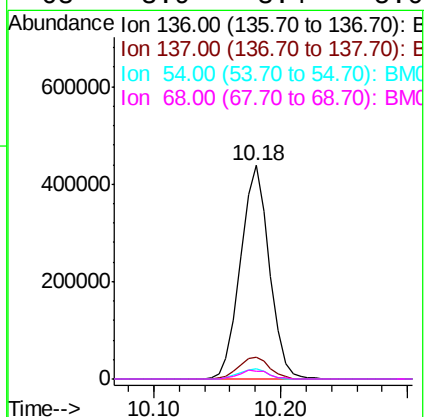
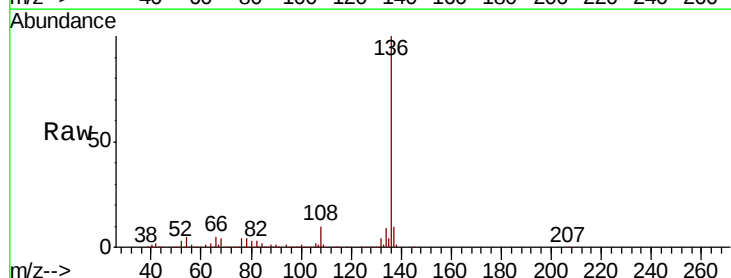
Ion Ratio Lower Upper

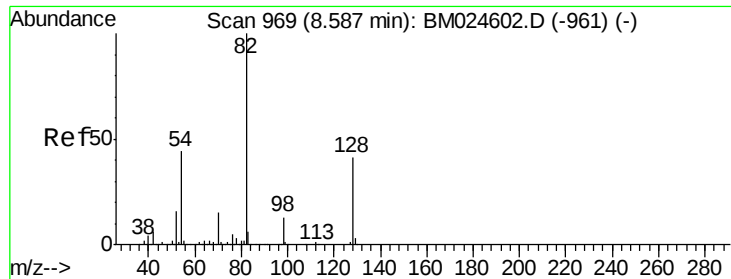
136 100

137 10.2 8.6 13.0

54 4.5 4.5 6.7

68 3.9 3.4 5.0





#23

Nitrobenzene-d5

Concen: 67.105 ng

RT: 8.56 min Scan# 965

Delta R.T. -0.02 min

Lab File: BM024694.D

Acq: 01 Feb 2020 02:21

Instrument :

BNA\_M

ClientSampleId :

M1

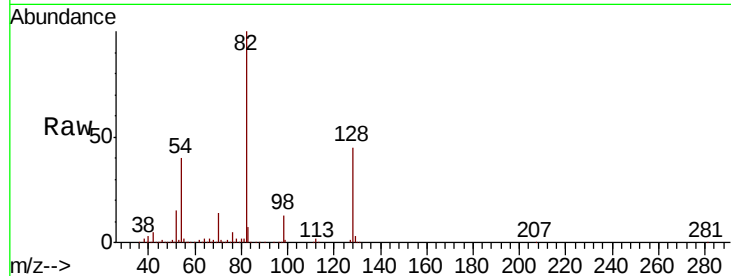
Tot Ion: 82 Resp: 946364

Ion Ratio Lower Upper

82 100

128 45.0 32.6 48.8

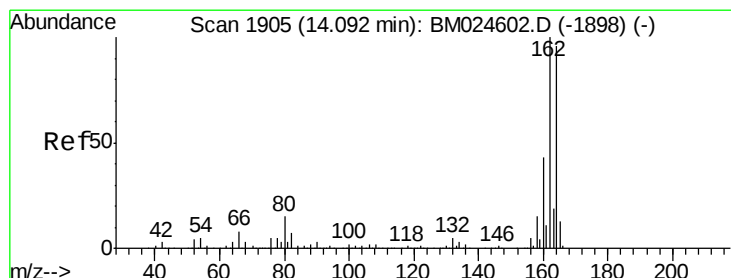
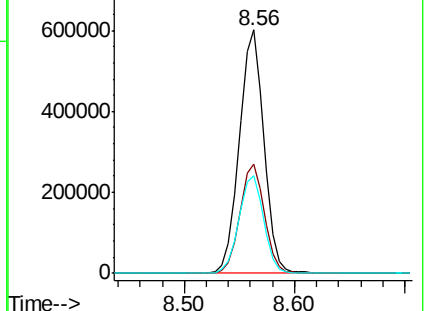
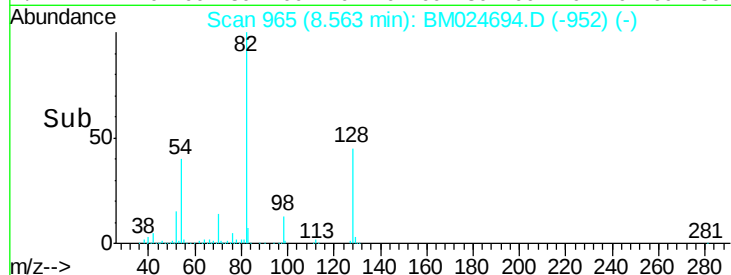
54 40.0 34.8 52.2



Abundance Ion 82.00 (81.70 to 82.70): BM024694.D (-952) (-)

Ion 128.00 (127.70 to 128.70): BM024694.D (-952) (-)

Ion 54.00 (53.70 to 54.70): BM024694.D (-952) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.07 min Scan# 1902

Delta R.T. -0.02 min

Lab File: BM024694.D

Acq: 01 Feb 2020 02:21

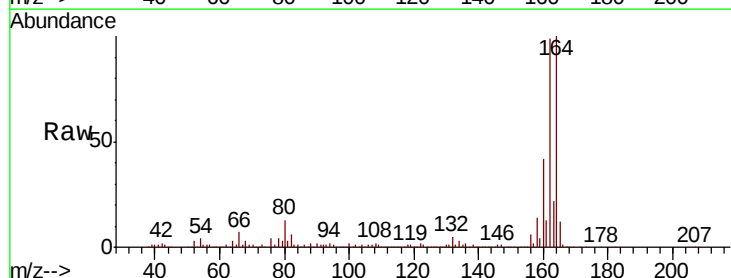
Tgt Ion: 164 Resp: 486564

Ion Ratio Lower Upper

164 100

162 99.4 82.9 124.3

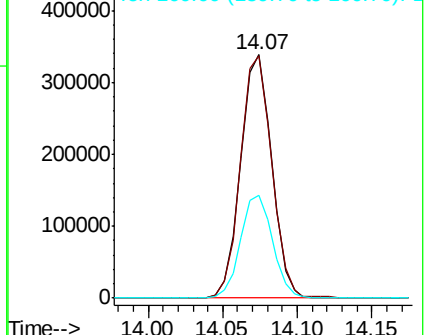
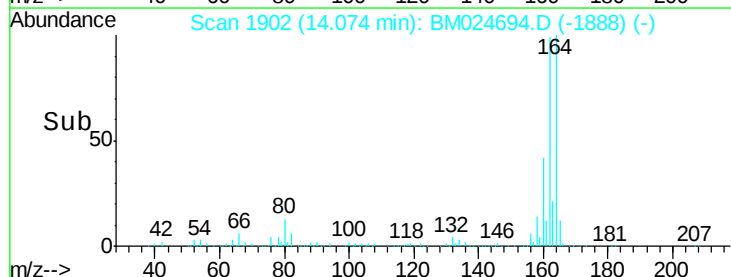
160 42.2 35.5 53.3

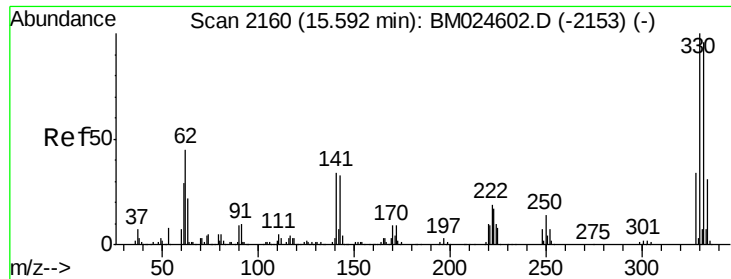


Abundance Ion 164.00 (163.70 to 164.70): BM024694.D (-1888) (-)

Ion 162.00 (161.70 to 162.70): BM024694.D (-1888) (-)

Ion 160.00 (159.70 to 160.70): BM024694.D (-1888) (-)

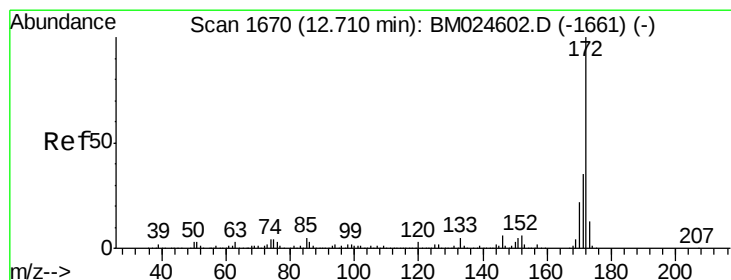
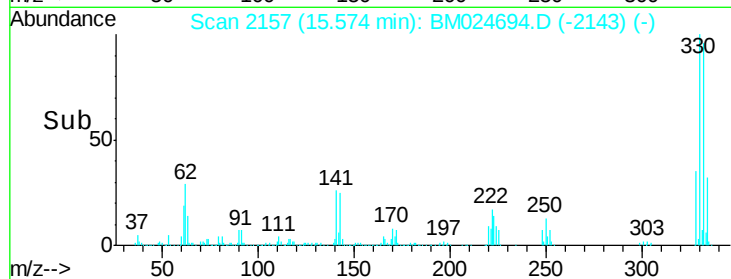
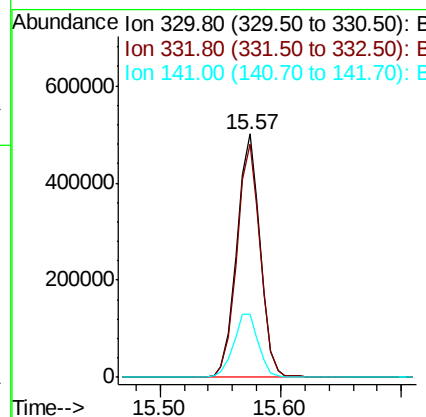
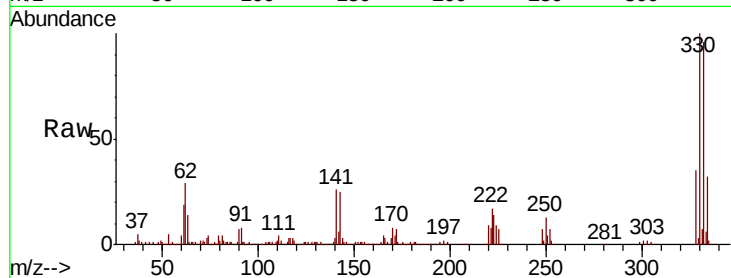




#42  
 2,4,6-Tribromophenol  
 Concen: 84.997 ng  
 RT: 15.57 min Scan# 2157  
 Delta R.T. -0.02 min  
 Lab File: BM024694.D  
 Acq: 01 Feb 2020 02:21

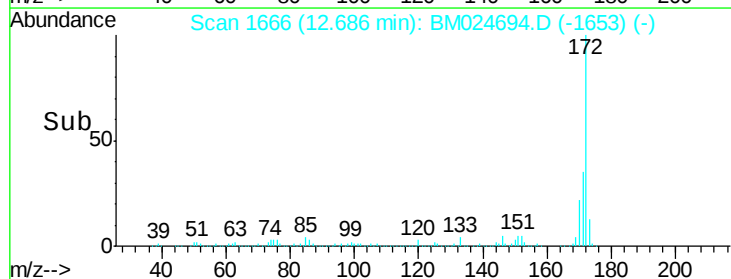
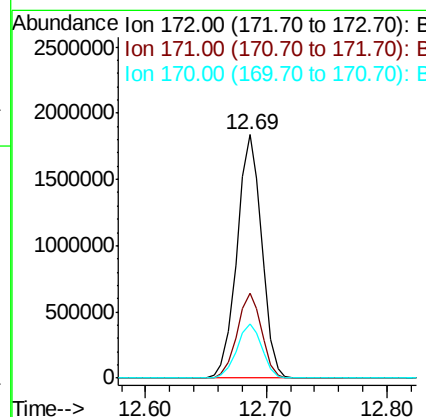
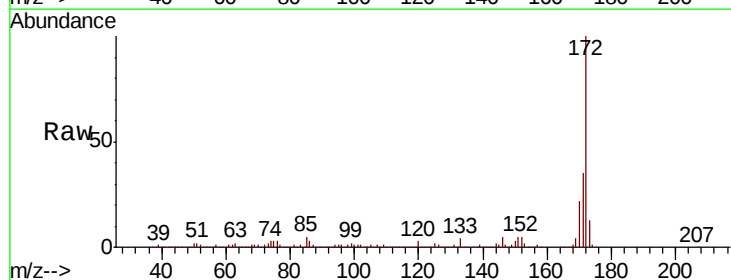
Instrument :  
 BNA\_M  
 ClientSampleId :  
 M1

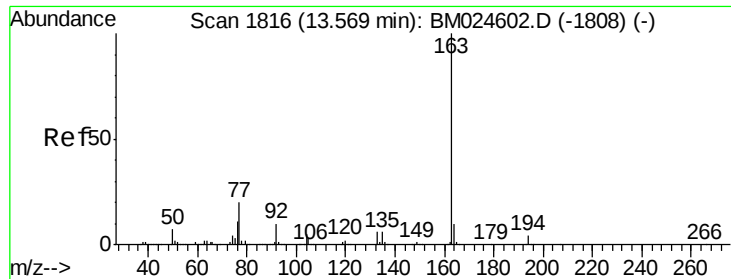
Tot Ion:330 Resp: 672727  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 77.2 115.8  
 141 27.4 26.9 40.3



#45  
 2-Fluorobiphenyl  
 Concen: 73.284 ng  
 RT: 12.69 min Scan# 1666  
 Delta R.T. -0.02 min  
 Lab File: BM024694.D  
 Acq: 01 Feb 2020 02:21

Tgt Ion:172 Resp: 2622807  
 Ion Ratio Lower Upper  
 172 100  
 171 35.0 28.3 42.5  
 170 22.2 17.9 26.9

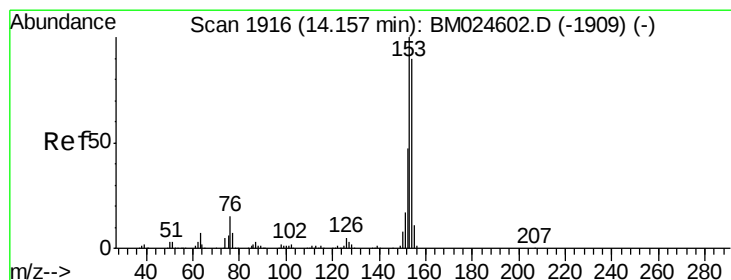
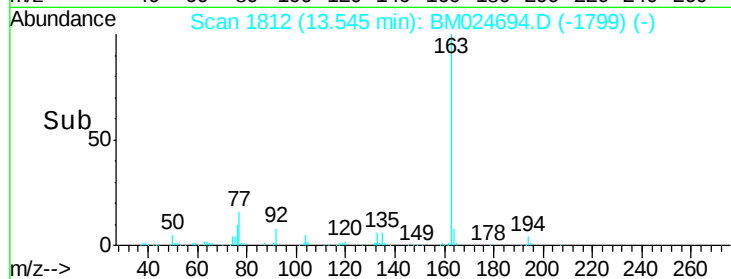
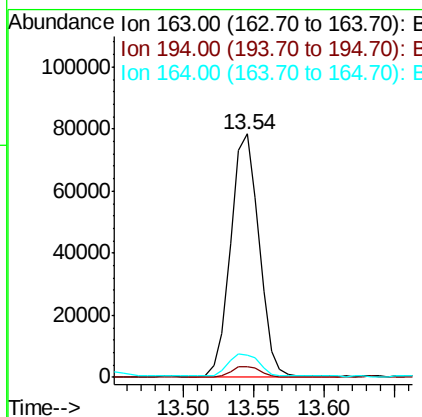
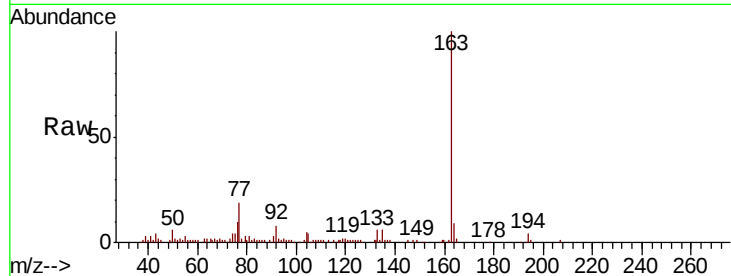




#50  
Dimethylphthalate  
Concen: 2.817 ng  
RT: 13.54 min Scan# 1812  
Delta R.T. -0.02 min  
Lab File: BM024694.D  
Acq: 01 Feb 2020 02:21

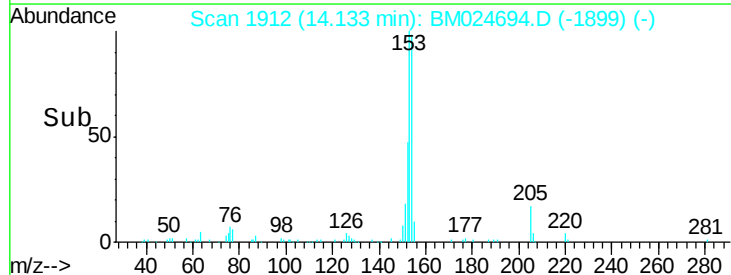
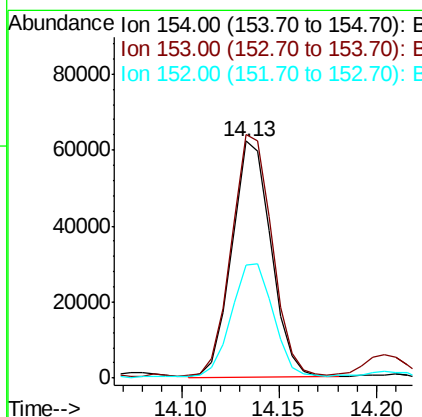
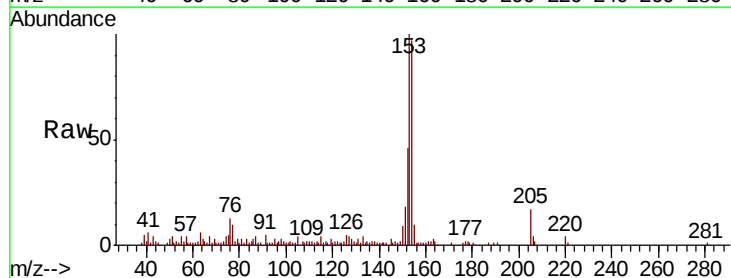
Instrument :  
BNA\_M  
ClientSampleId :  
M1

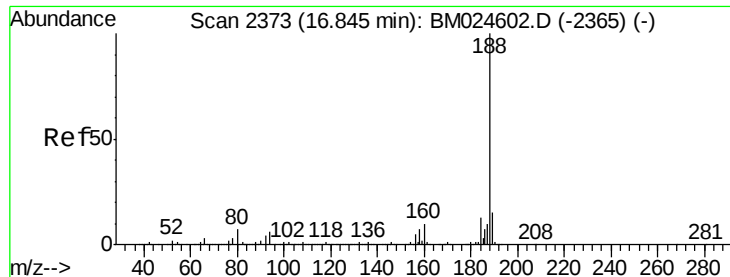
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.2   | 3.4   | 5.0   |
| 164     | 9.1   | 8.0   | 12.0  |



#52  
Acenaphthene  
Concen: 3.124 ng  
RT: 14.13 min Scan# 1912  
Delta R.T. -0.02 min  
Lab File: BM024694.D  
Acq: 01 Feb 2020 02:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 102.8 | 89.1  | 133.7 |
| 152     | 47.6  | 41.9  | 62.9  |

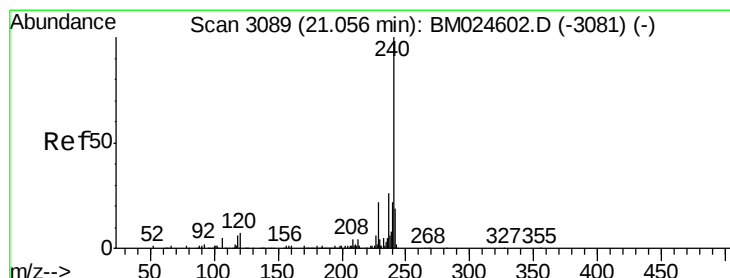
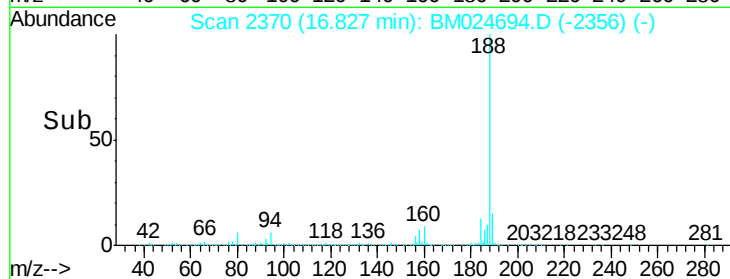
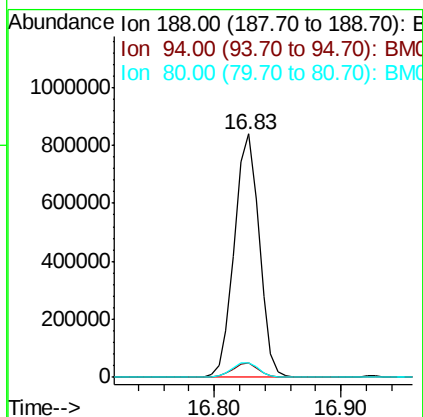
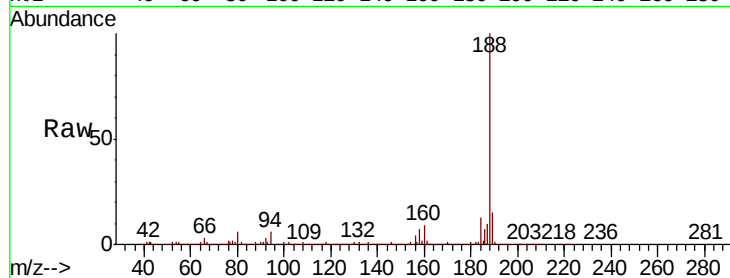




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.83 min Scan# 2370  
Delta R.T. -0.02 min  
Lab File: BM024694.D  
Acq: 01 Feb 2020 02:21

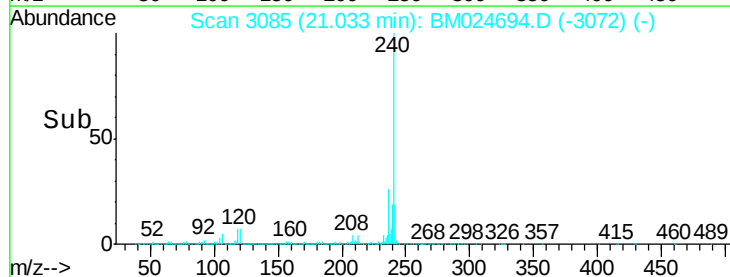
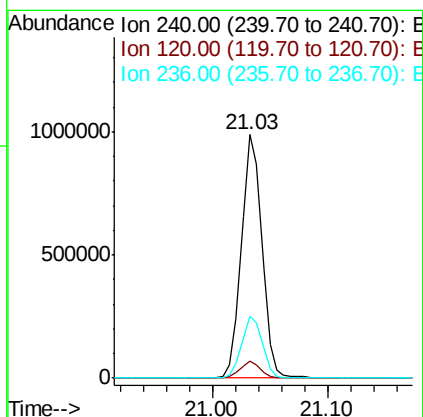
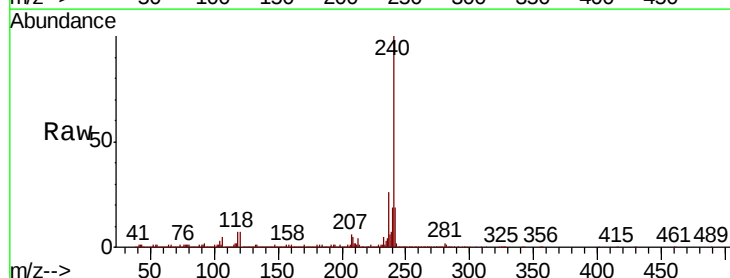
Instrument :  
BNA\_M  
ClientSampled :  
M1

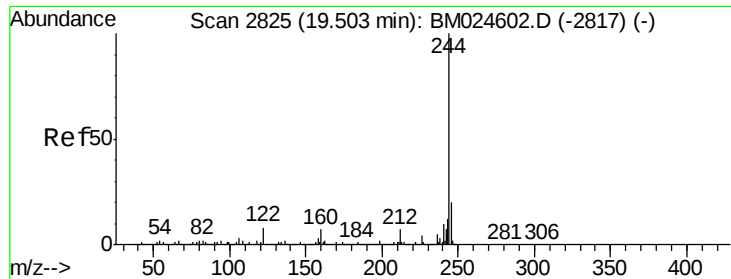
Tot Ion:188 Resp: 1136692  
Ion Ratio Lower Upper  
188 100  
94 5.8 5.0 7.6  
80 6.1 5.8 8.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.03 min Scan# 3085  
Delta R.T. -0.02 min  
Lab File: BM024694.D  
Acq: 01 Feb 2020 02:21

Tgt Ion:240 Resp: 1222856  
Ion Ratio Lower Upper  
240 100  
120 6.8 5.3 7.9  
236 25.6 20.6 31.0

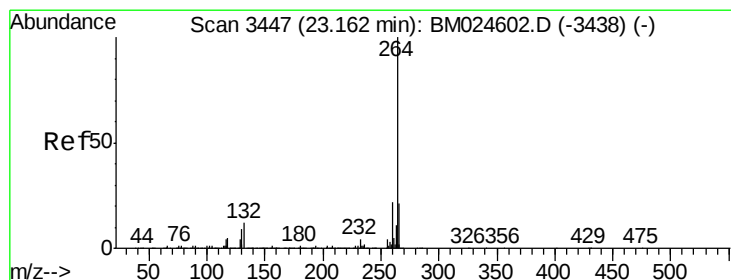
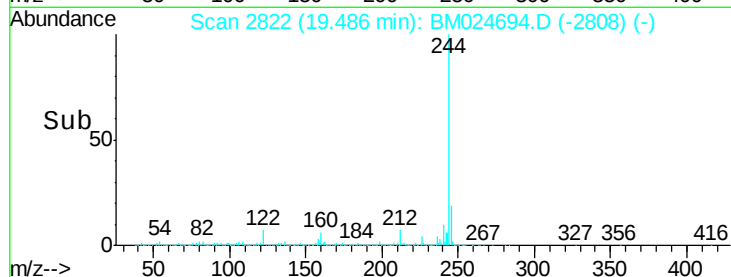
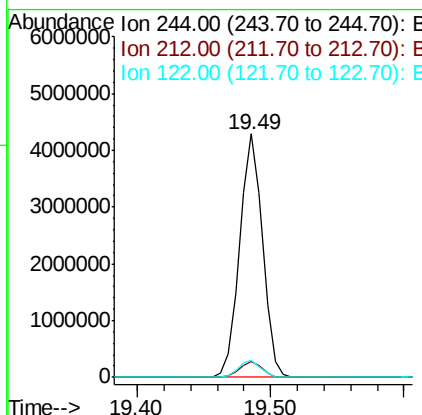
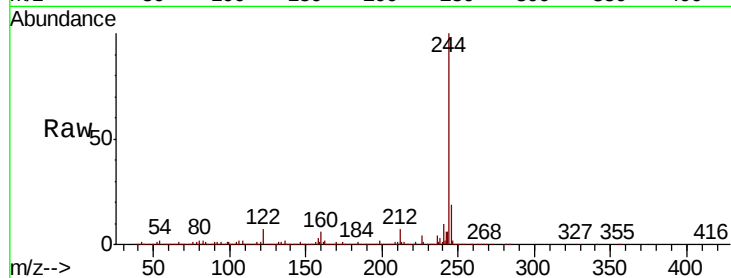




#79  
 Terphenyl-d14  
 Concen: 77.607 ng  
 RT: 19.49 min Scan# 2822  
 Delta R.T. -0.02 min  
 Lab File: BM024694.D  
 Acq: 01 Feb 2020 02:21

Instrument :  
 BNA\_M  
 ClientSampleId :  
 M1

Tot Ion:244 Resp: 5083380  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.4 8.2  
 122 7.1 6.2 9.4



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.14 min Scan# 3443  
 Delta R.T. -0.02 min  
 Lab File: BM024694.D  
 Acq: 01 Feb 2020 02:21

Tgt Ion:264 Resp: 1411738  
 Ion Ratio Lower Upper  
 264 100  
 260 22.7 17.9 26.9  
 265 21.6 17.3 25.9

