

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042921\  
 Data File : BM029703.D  
 Acq On : 29 Apr 2021 00:02  
 Operator : CG/JU  
 Sample : M2109-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PE-1

Quant Time: Apr 29 01:12:12 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 28 17:58:02 2021  
 Response via : Initial Calibration

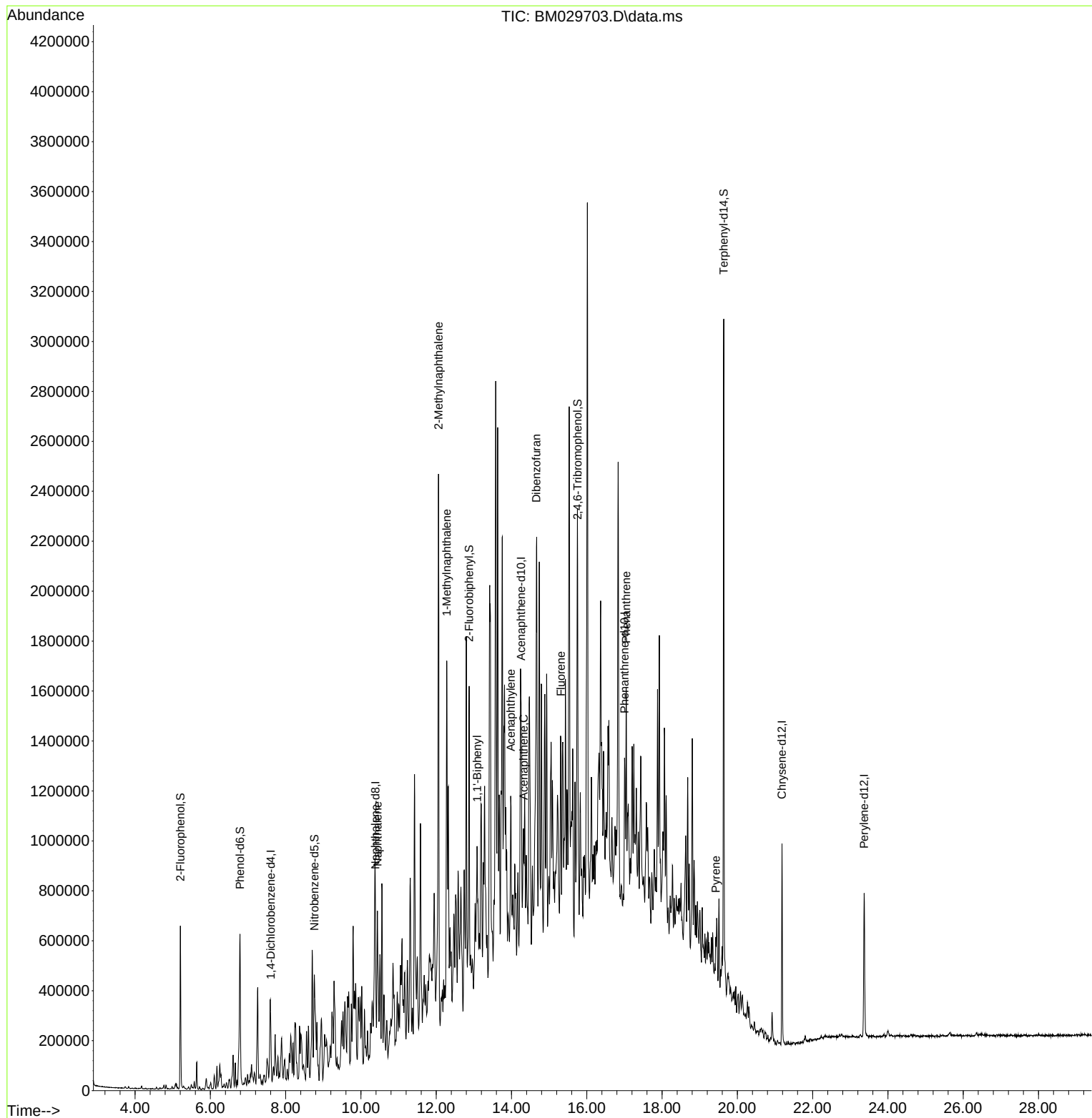
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.604  | 152  | 53655    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.386 | 136  | 203261   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.257 | 164  | 157543   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.003 | 188  | 341809   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.186 | 240  | 381300   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.368 | 264  | 405069   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.204  | 112  | 264712   | 98.91  | ng    | 0.00     |
| 7) Phenol-d6                | 6.787  | 99   | 329778   | 82.50  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.763  | 82   | 220144   | 55.78  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.757 | 330  | 206350   | 94.71  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.874 | 172  | 659628   | 56.83  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.639 | 244  | 1195742  | 59.45  | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 10.439 | 128  | 245708   | 23.51  | ng    | # 95     |
| 37) 2-Methylnaphthalene     | 12.063 | 142  | 993631   | 118.76 | ng    | 98       |
| 38) 1-Methylnaphthalene     | 12.280 | 142  | 607938   | 76.21  | ng    | 99       |
| 46) 1,1'-Biphenyl           | 13.086 | 154  | 166743   | 14.48  | ng    | 99       |
| 49) Acenaphthylene          | 13.980 | 152  | 34087    | 2.41   | ng    | # 1      |
| 52) Acenaphthene            | 14.321 | 154  | 53392    | 6.03   | ng    | 88       |
| 55) Dibenzofuran            | 14.662 | 168  | 74029    | 4.95   | ng    | # 1      |
| 58) Fluorene                | 15.310 | 166  | 129321   | 10.31  | ng    | # 83     |
| 71) Phenanthrene            | 17.045 | 178  | 518144   | 26.33  | ng    | 97       |
| 78) Pyrene                  | 19.427 | 202  | 87087    | 3.55   | ng    | # 93     |
| -----                       |        |      |          |        |       |          |

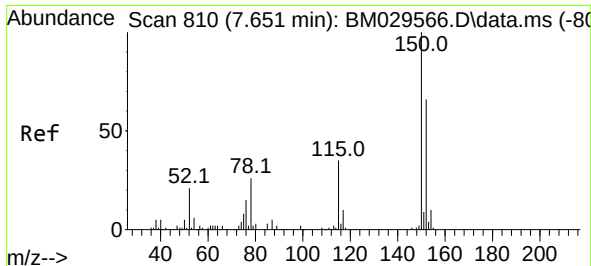
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042921\  
Data File : BM029703.D  
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Sample : M2109-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PE-1

Quant Time: Apr 29 01:12:12 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 28 17:58:02 2021  
Response via : Initial Calibration

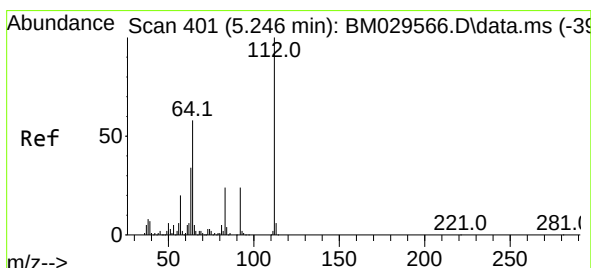
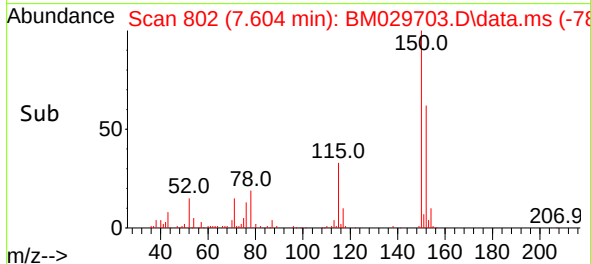
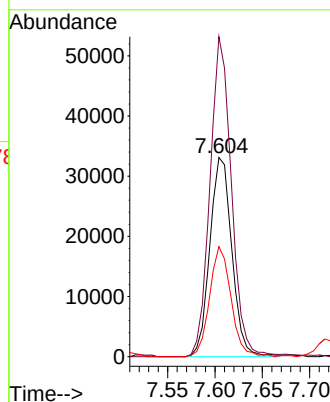
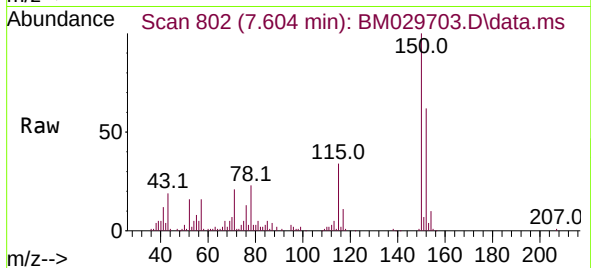




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.604 min Scan# 802  
Delta R.T. -0.006 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

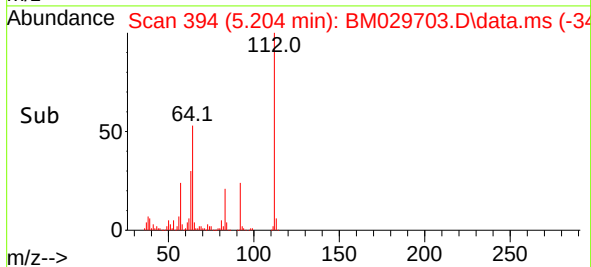
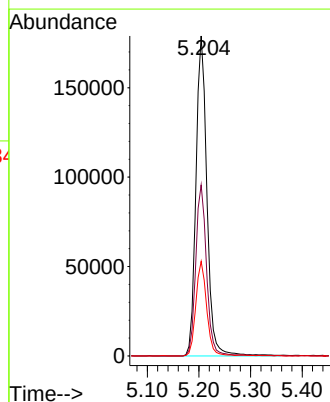
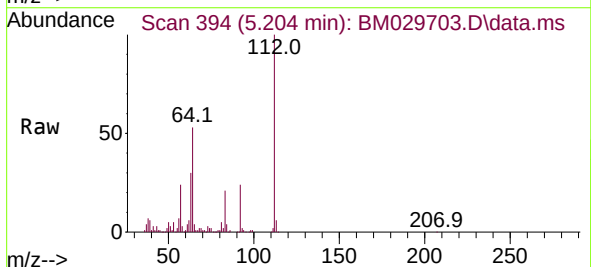
Instrument :  
BNA\_M  
ClientSampleId :  
PE-1

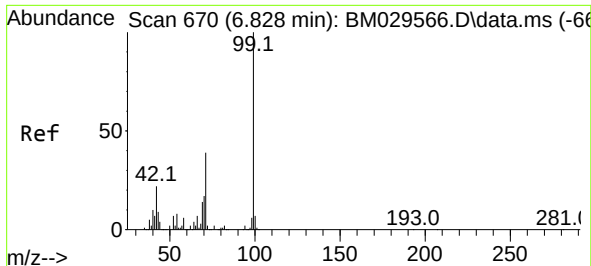
Tgt Ion:152 Resp: 53655  
Ion Ratio Lower Upper  
152 100  
150 160.7 125.9 188.9  
115 55.3 44.6 67.0



#5  
2-Fluorophenol  
Concen: 98.91 ng  
RT: 5.204 min Scan# 394  
Delta R.T. -0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

Tgt Ion:112 Resp: 264712  
Ion Ratio Lower Upper  
112 100  
64 53.4 47.1 70.7  
63 29.6 27.3 40.9

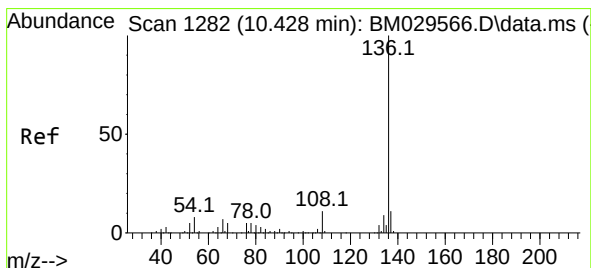
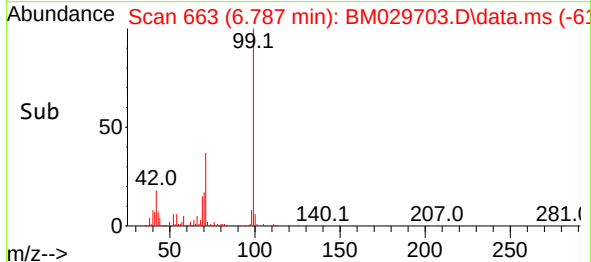
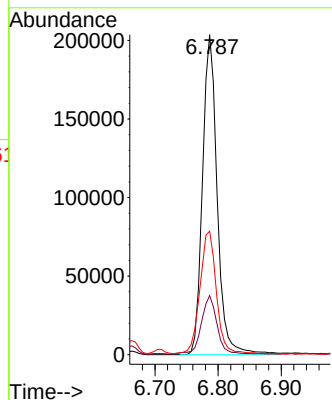
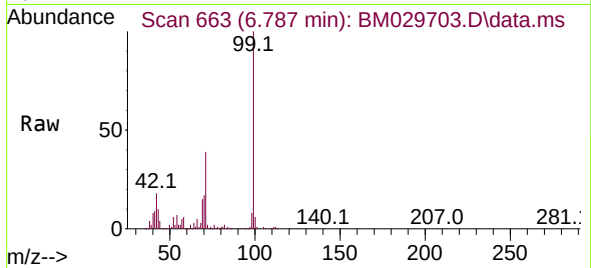




#7  
Phenol-d6  
Concen: 82.50 ng  
RT: 6.787 min Scan# 663  
Delta R.T. -0.006 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

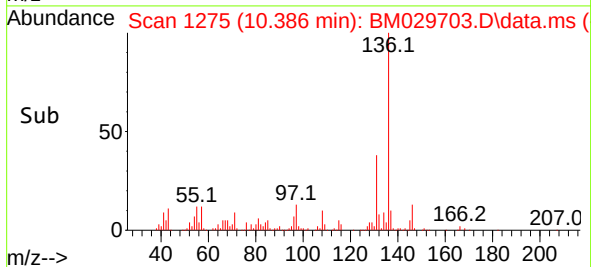
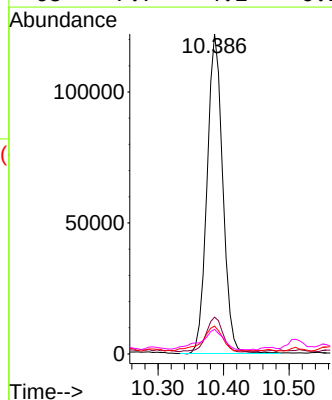
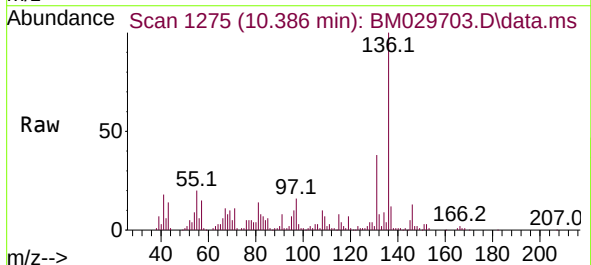
Instrument :  
BNA\_M  
ClientSampleId :  
PE-1

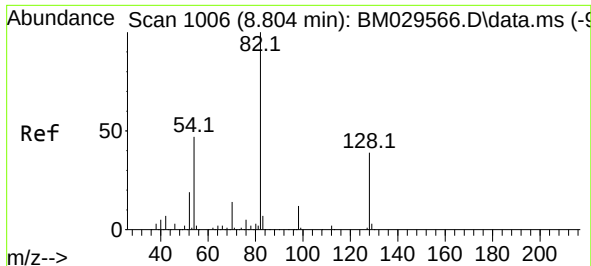
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 99    | Resp: | 329778 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 18.5  | 18.0  | 27.0   |
| 71       | 38.6  | 30.9  | 46.3   |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.386 min Scan# 1275  
Delta R.T. -0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 203261 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.5  | 8.4   | 12.6   |
| 54       | 8.7   | 5.5   | 8.3#   |
| 68       | 7.7   | 4.2   | 6.2#   |

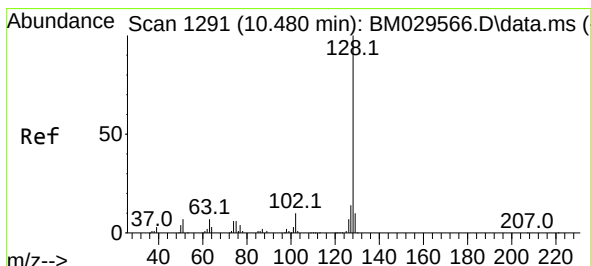
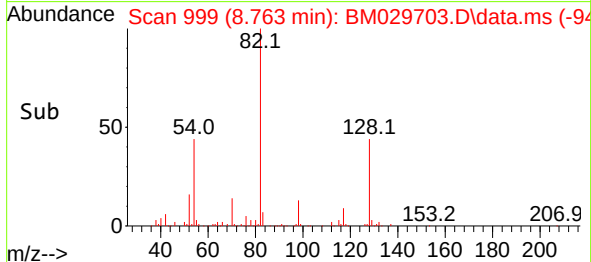
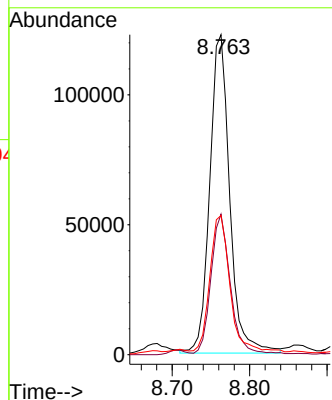
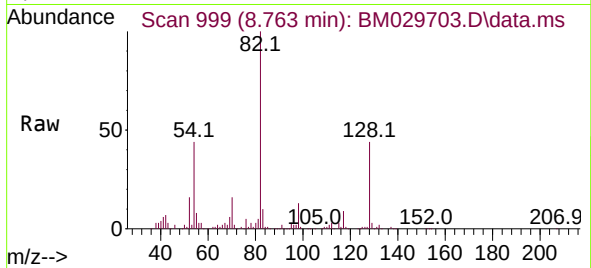




#23  
Nitrobenzene-d5  
Concen: 55.78 ng  
RT: 8.763 min Scan# 999  
Delta R.T. 0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

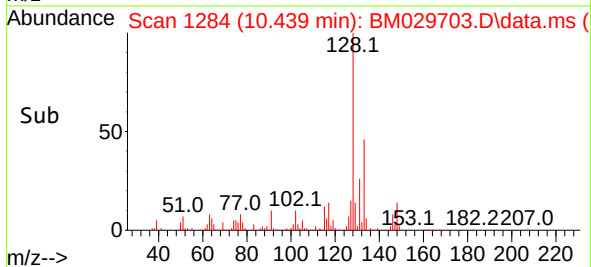
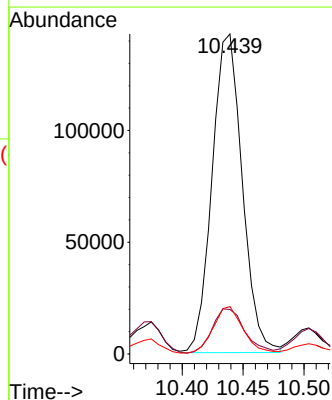
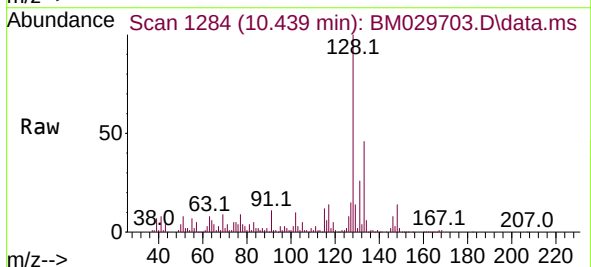
Instrument :  
BNA\_M  
ClientSampled :  
PE-1

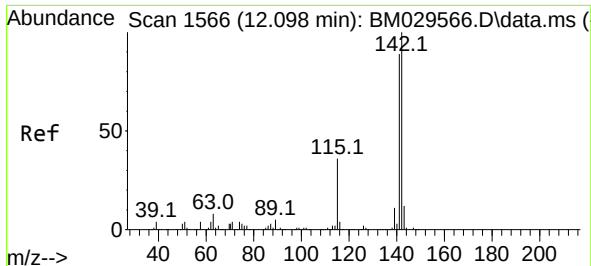
Tgt Ion: 82 Resp: 220144  
Ion Ratio Lower Upper  
82 100  
128 43.9 31.1 46.7  
54 43.5 37.3 55.9



#31  
Naphthalene  
Concen: 23.51 ng  
RT: 10.439 min Scan# 1284  
Delta R.T. -0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

Tgt Ion: 128 Resp: 245708  
Ion Ratio Lower Upper  
128 100  
129 13.9 9.0 13.6#  
127 14.8 10.8 16.2

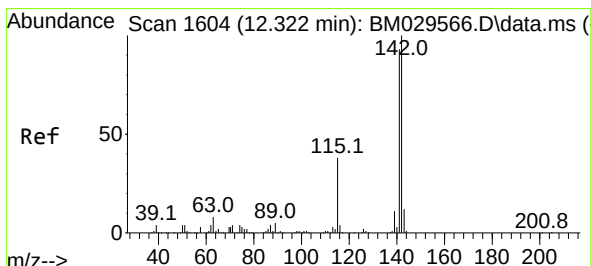
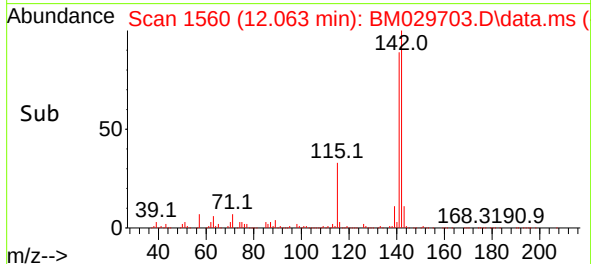
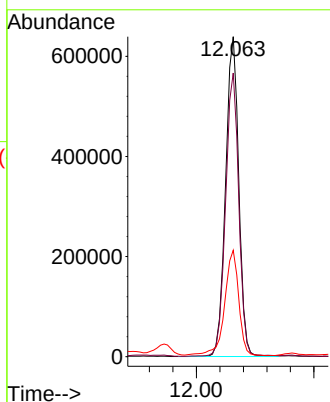
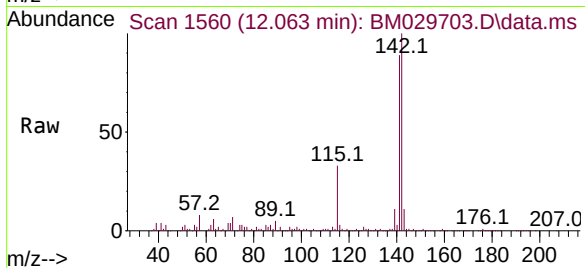




#37  
2-Methylnaphthalene  
Concen: 118.76 ng  
RT: 12.063 min Scan# 1560  
Delta R.T. 0.006 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

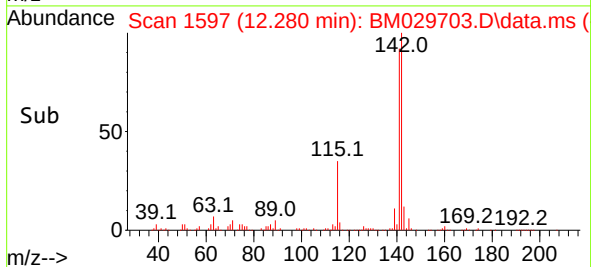
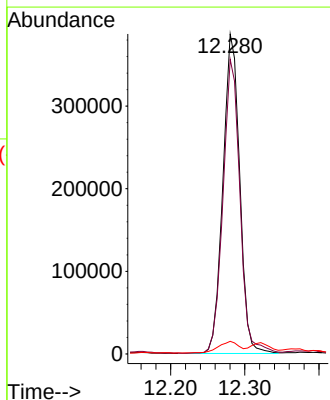
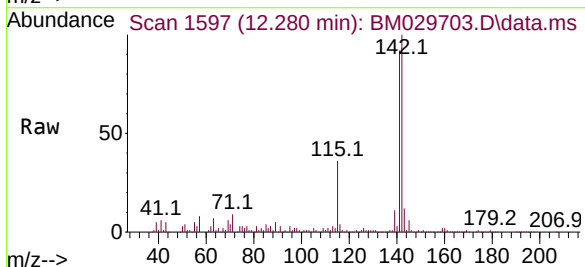
Instrument :  
BNA\_M  
ClientSampled :  
PE-1

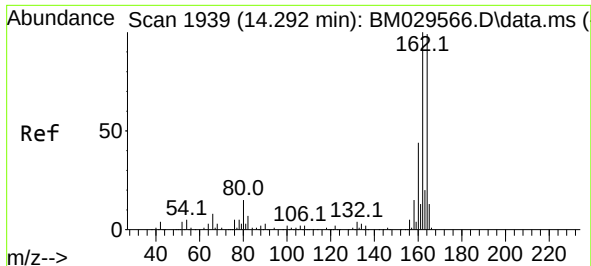
Tgt Ion:142 Resp: 993631  
Ion Ratio Lower Upper  
142 100  
141 88.7 71.7 107.5  
115 33.2 29.1 43.7



#38  
1-Methylnaphthalene  
Concen: 76.21 ng  
RT: 12.280 min Scan# 1597  
Delta R.T. -0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

Tgt Ion:142 Resp: 607938  
Ion Ratio Lower Upper  
142 100  
141 92.1 74.2 111.4  
116 4.0 3.0 4.6

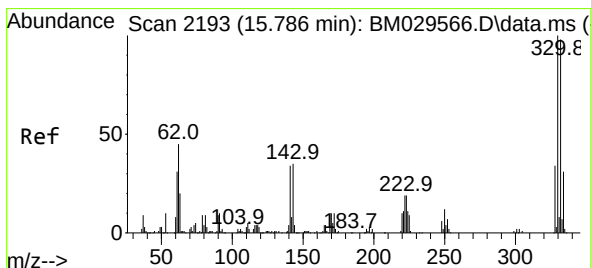
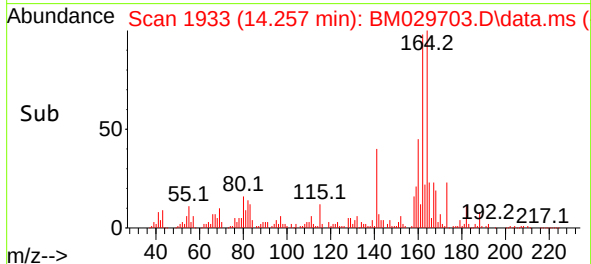
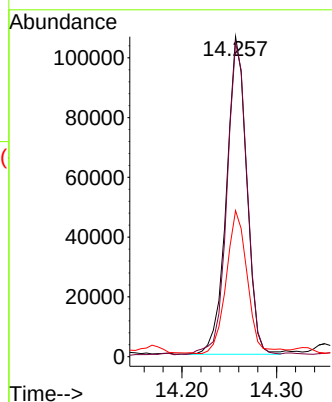
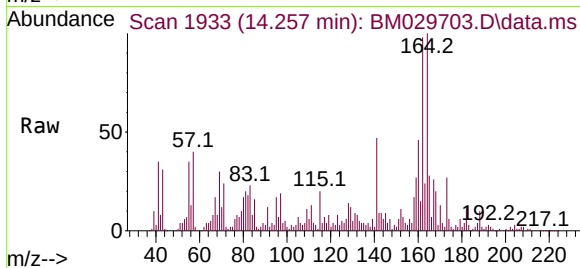




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.257 min Scan# 1933  
Delta R.T. -0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

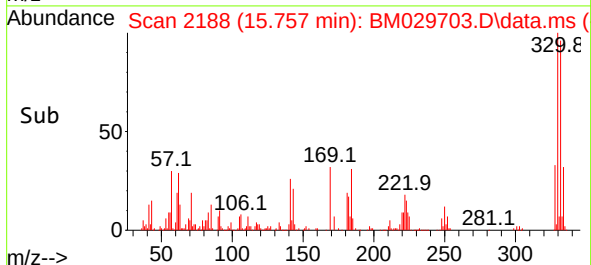
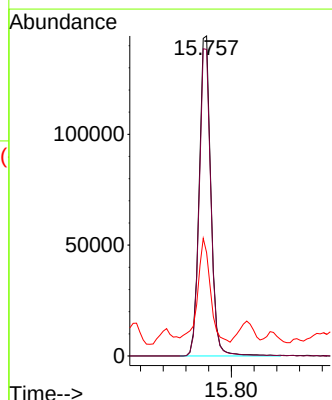
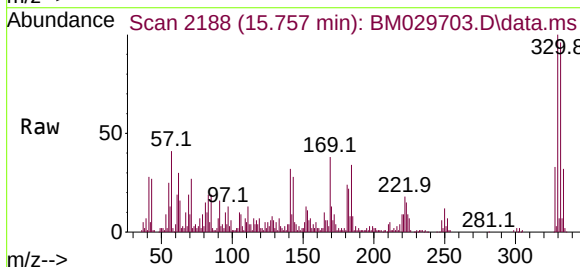
Instrument :  
BNA\_M  
ClientSampled :  
PE-1

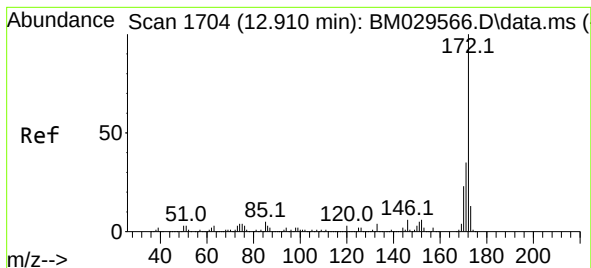
Tgt Ion:164 Resp: 157543  
Ion Ratio Lower Upper  
164 100  
162 98.2 83.4 125.0  
160 45.6 37.2 55.8



#42  
2,4,6-Tribromophenol  
Concen: 94.71 ng  
RT: 15.757 min Scan# 2188  
Delta R.T. -0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

Tgt Ion:330 Resp: 206350  
Ion Ratio Lower Upper  
330 100  
332 95.9 77.0 115.4  
141 35.3 30.2 45.2

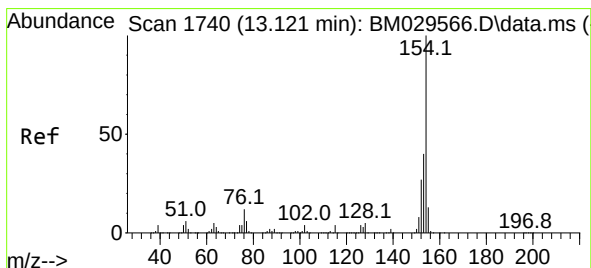
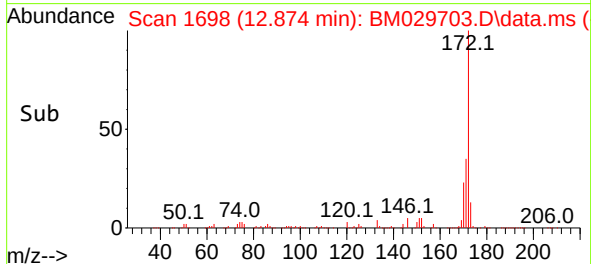
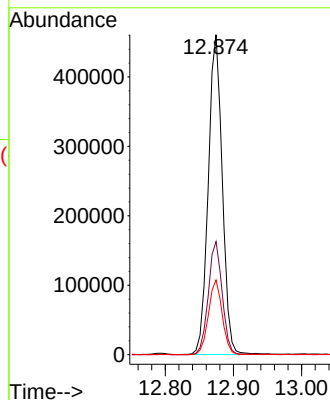
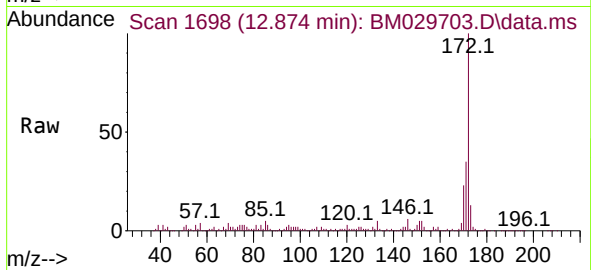




#45  
2-Fluorobiphenyl  
Concen: 56.83 ng  
RT: 12.874 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

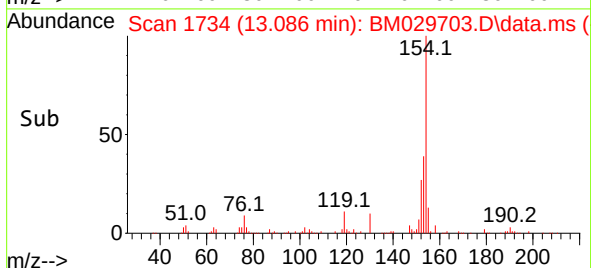
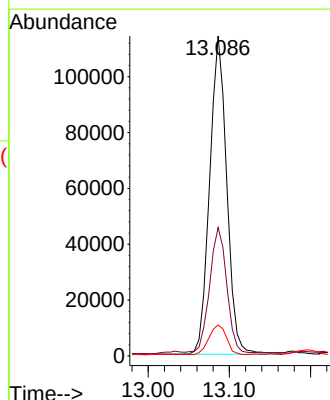
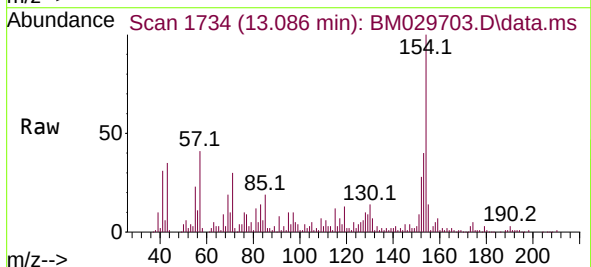
Instrument :  
BNA\_M  
ClientSampleId :  
PE-1

Tgt Ion:172 Resp: 659628  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.6 43.0  
170 23.4 18.4 27.6

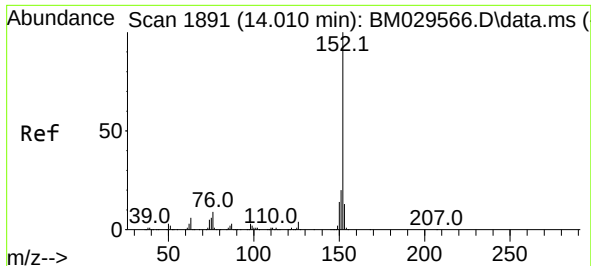


#46  
1,1'-Biphenyl  
Concen: 14.48 ng  
RT: 13.086 min Scan# 1734  
Delta R.T. 0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

Tgt Ion:154 Resp: 166743  
Ion Ratio Lower Upper  
154 100  
153 40.1 20.7 60.7  
76 9.7 0.0 31.0



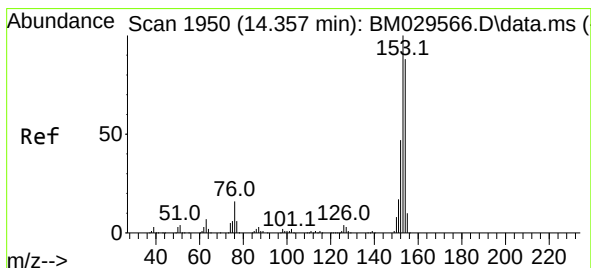
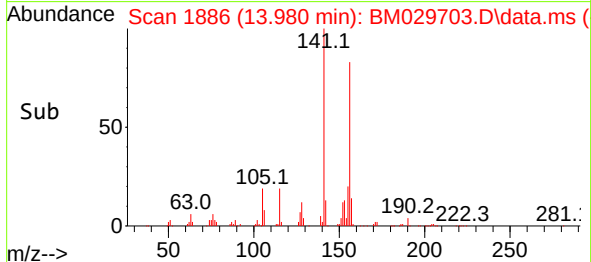
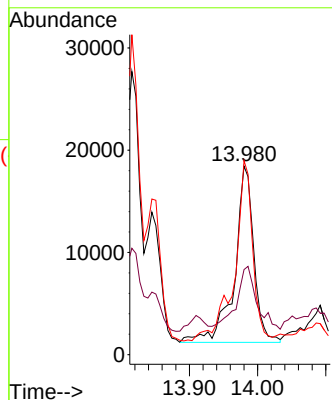
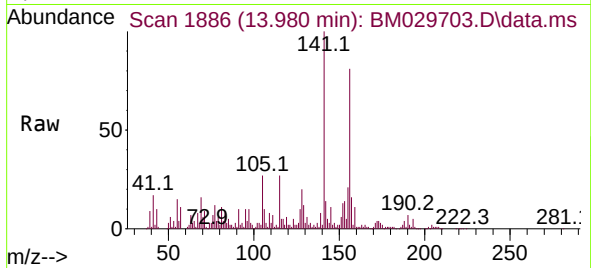




#49  
Acenaphthylene  
Concen: 2.41 ng  
RT: 13.980 min Scan# 1886  
Delta R.T. -0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

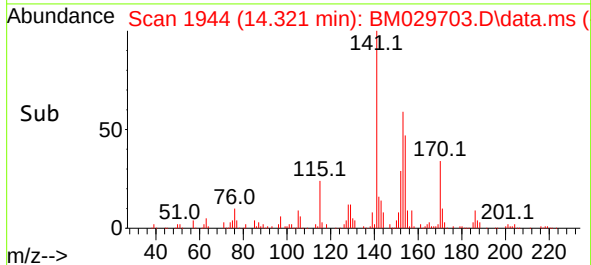
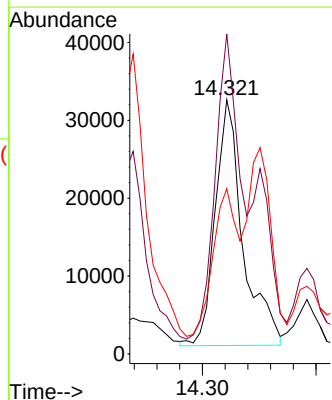
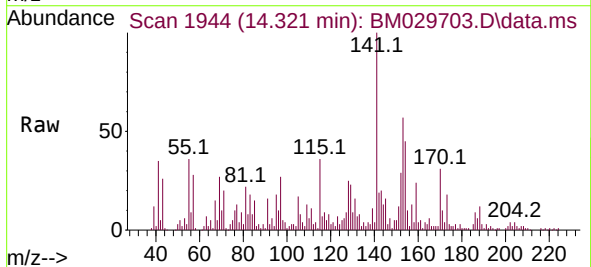
Instrument :  
BNA\_M  
ClientSampled :  
PE-1

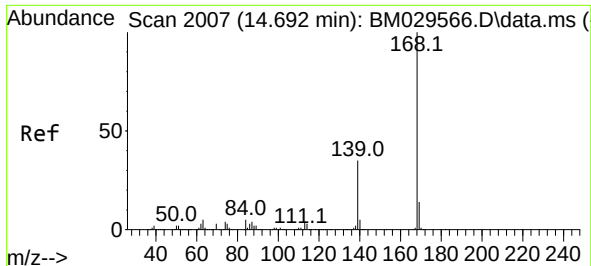
Tgt Ion:152 Resp: 34087  
Ion Ratio Lower Upper  
152 100  
151 45.1 16.3 24.5#  
153 103.0 10.2 15.4#



#52  
Acenaphthene  
Concen: 6.03 ng  
RT: 14.321 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

Tgt Ion:154 Resp: 53392  
Ion Ratio Lower Upper  
154 100  
153 125.9 92.2 138.2  
152 65.0 43.4 65.2

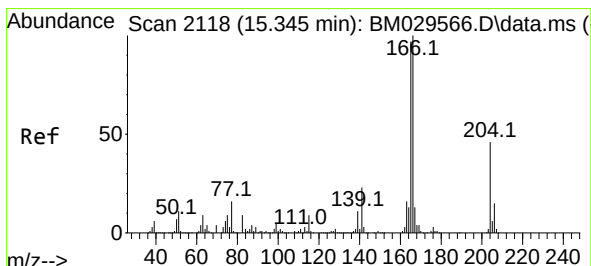
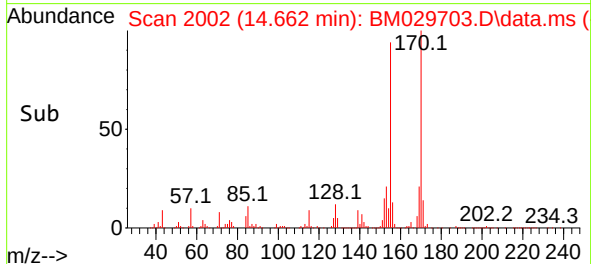
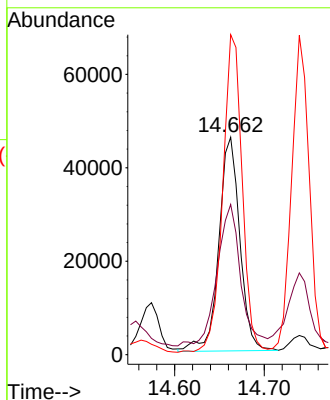
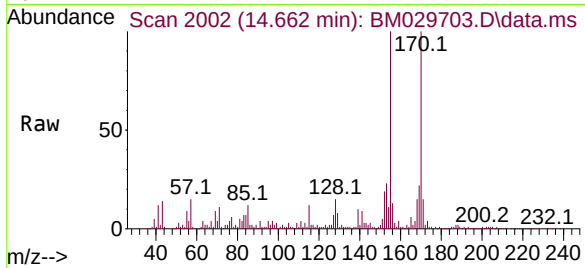




#55  
Dibenzofuran  
Concen: 4.95 ng  
RT: 14.662 min Scan# 2002  
Delta R.T. 0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

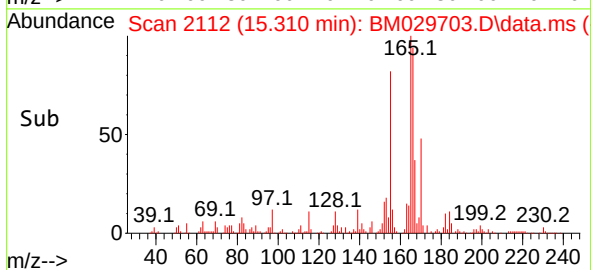
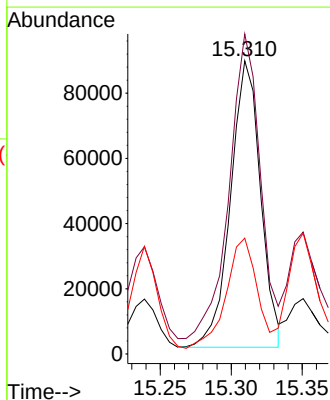
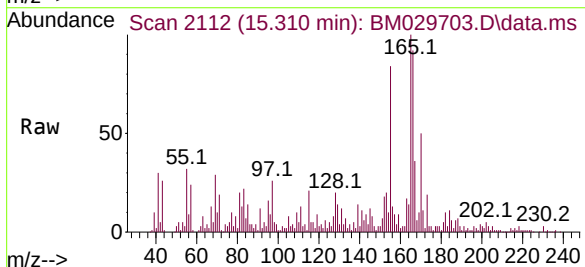
Instrument :  
BNA\_M  
ClientSampled :  
PE-1

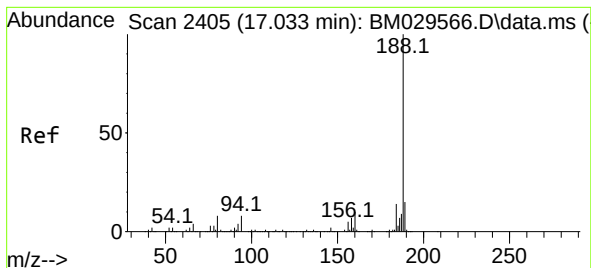
Tgt Ion:168 Resp: 74029  
Ion Ratio Lower Upper  
168 100  
139 69.1 29.4 44.0#  
169 147.2 10.8 16.2#



#58  
Fluorene  
Concen: 10.31 ng  
RT: 15.310 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

Tgt Ion:166 Resp: 129321  
Ion Ratio Lower Upper  
166 100  
165 109.2 79.0 118.6  
167 39.5 10.8 16.2#

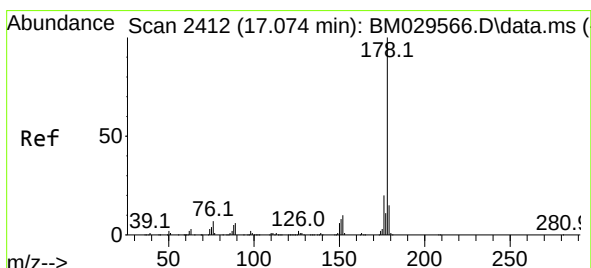
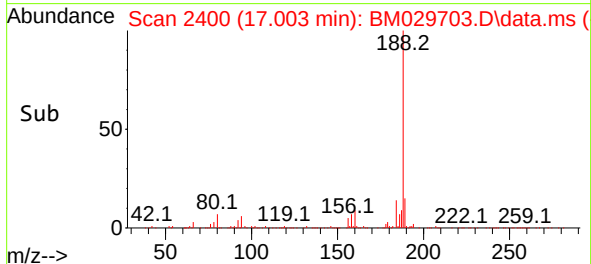
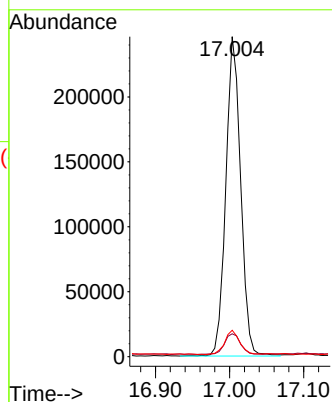
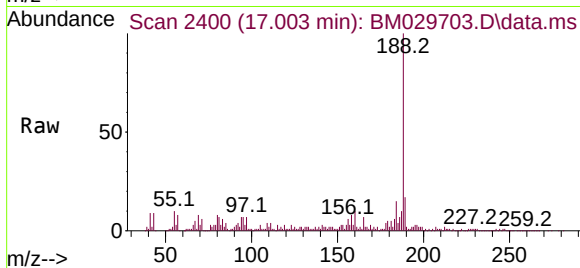




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.003 min Scan# 2400  
Delta R.T. -0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

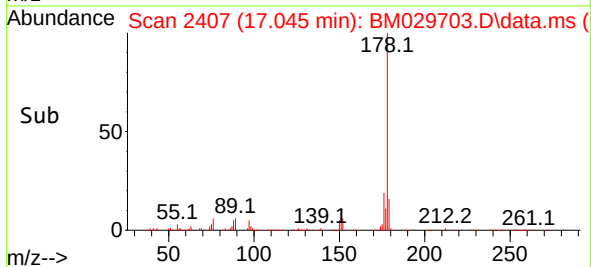
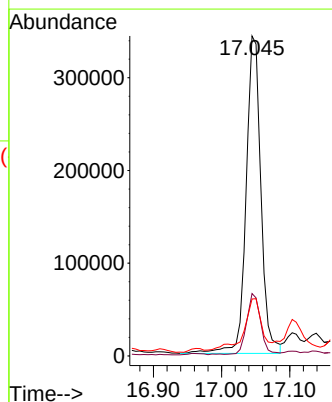
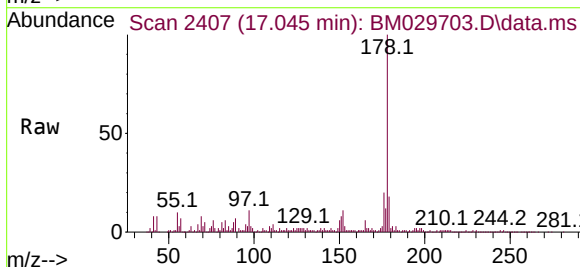
Instrument :  
BNA\_M  
ClientSampled :  
PE-1

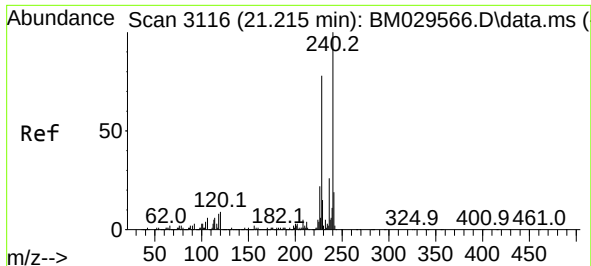
Tgt Ion:188 Resp: 341809  
Ion Ratio Lower Upper  
188 100  
94 7.1 6.0 9.0  
80 8.3 6.6 9.8



#71  
Phenanthrene  
Concen: 26.33 ng  
RT: 17.045 min Scan# 2407  
Delta R.T. 0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

Tgt Ion:178 Resp: 518144  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.4 23.0  
179 17.8 12.2 18.4

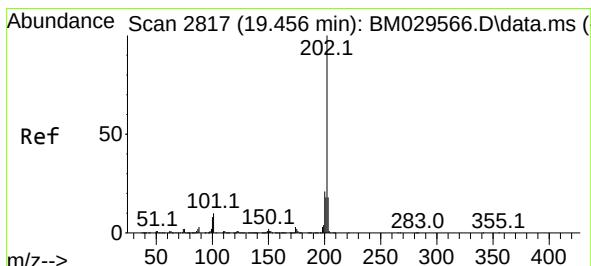
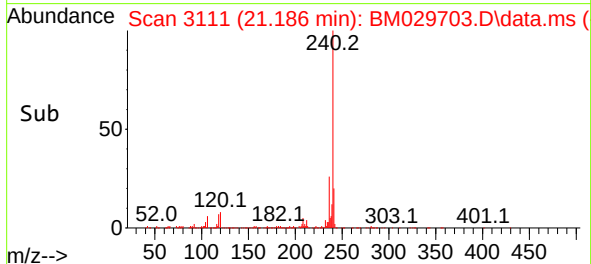
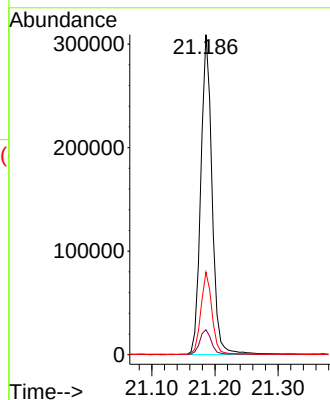
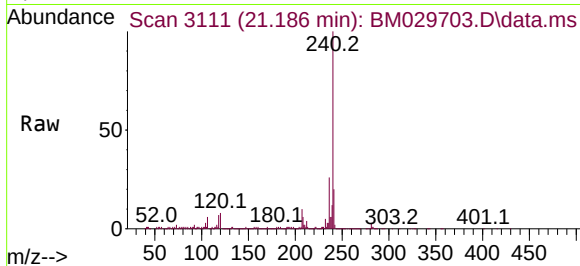




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.186 min Scan# 3111  
Delta R.T. -0.006 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

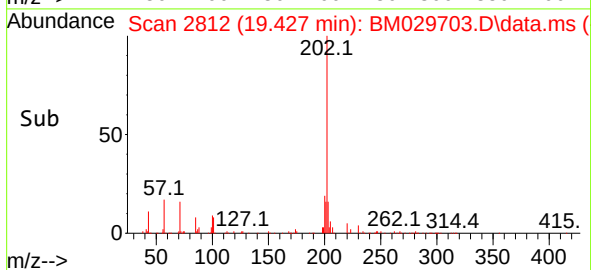
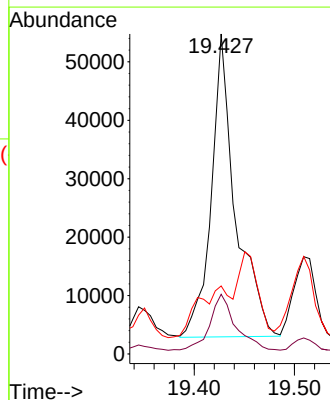
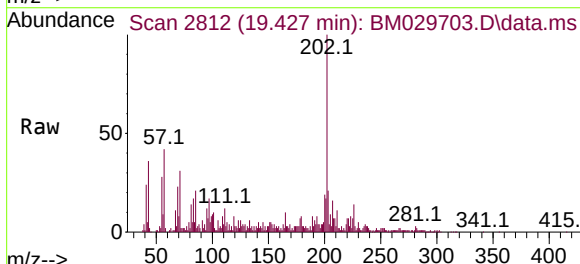
Instrument :  
BNA\_M  
ClientSampled :  
PE-1

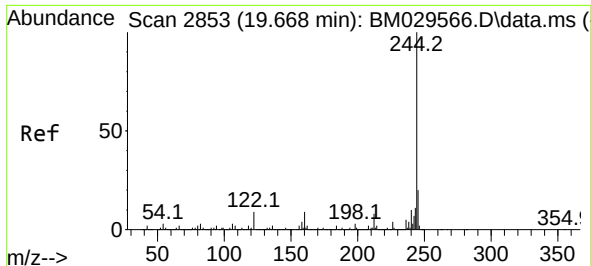
Tgt Ion:240 Resp: 381300  
Ion Ratio Lower Upper  
240 100  
120 7.8 7.0 10.6  
236 25.8 21.0 31.4



#78  
Pyrene  
Concen: 3.55 ng  
RT: 19.427 min Scan# 2812  
Delta R.T. -0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

Tgt Ion:202 Resp: 87087  
Ion Ratio Lower Upper  
202 100  
200 18.6 17.3 25.9  
203 21.3 13.9 20.9#

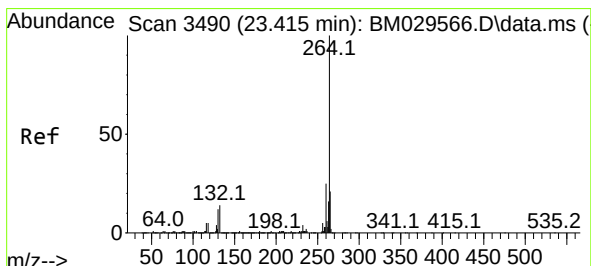
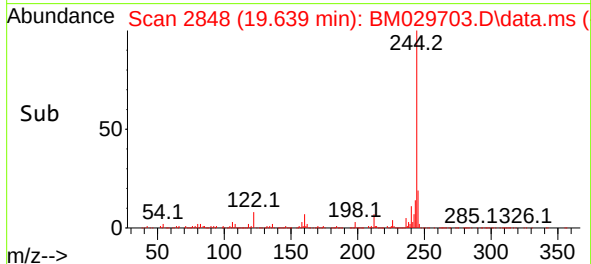
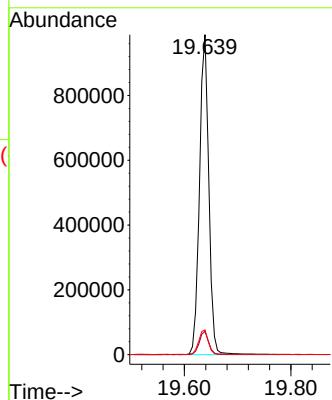
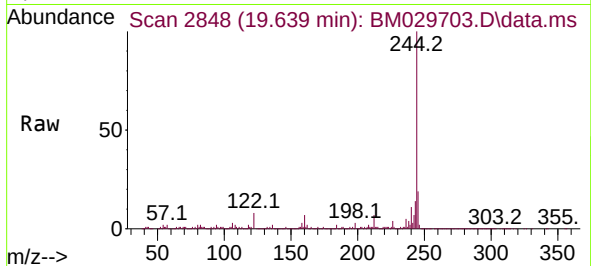




#79  
Terphenyl-d14  
Concen: 59.45 ng  
RT: 19.639 min Scan# 2848  
Delta R.T. -0.000 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

Instrument :  
BNA\_M  
ClientSampled :  
PE-1

Tgt Ion:244 Resp: 1195742  
Ion Ratio Lower Upper  
244 100  
212 7.3 6.3 9.5  
122 7.8 6.9 10.3



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.368 min Scan# 3482  
Delta R.T. -0.006 min  
Lab File: BM029703.D  
Acq: 29 Apr 2021 00:02

Tgt Ion:264 Resp: 405069  
Ion Ratio Lower Upper  
264 100  
260 23.3 19.8 29.8  
265 22.2 17.7 26.5

