

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM020624\  
 Data File : BM044017.D  
 Acq On : 07 Feb 2024 07:33  
 Operator : MA/JU  
 Sample : PB158270BL  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB158270BL

Quant Time: Feb 07 08:04:12 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM020524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 06 07:03:31 2024  
 Response via : Initial Calibration

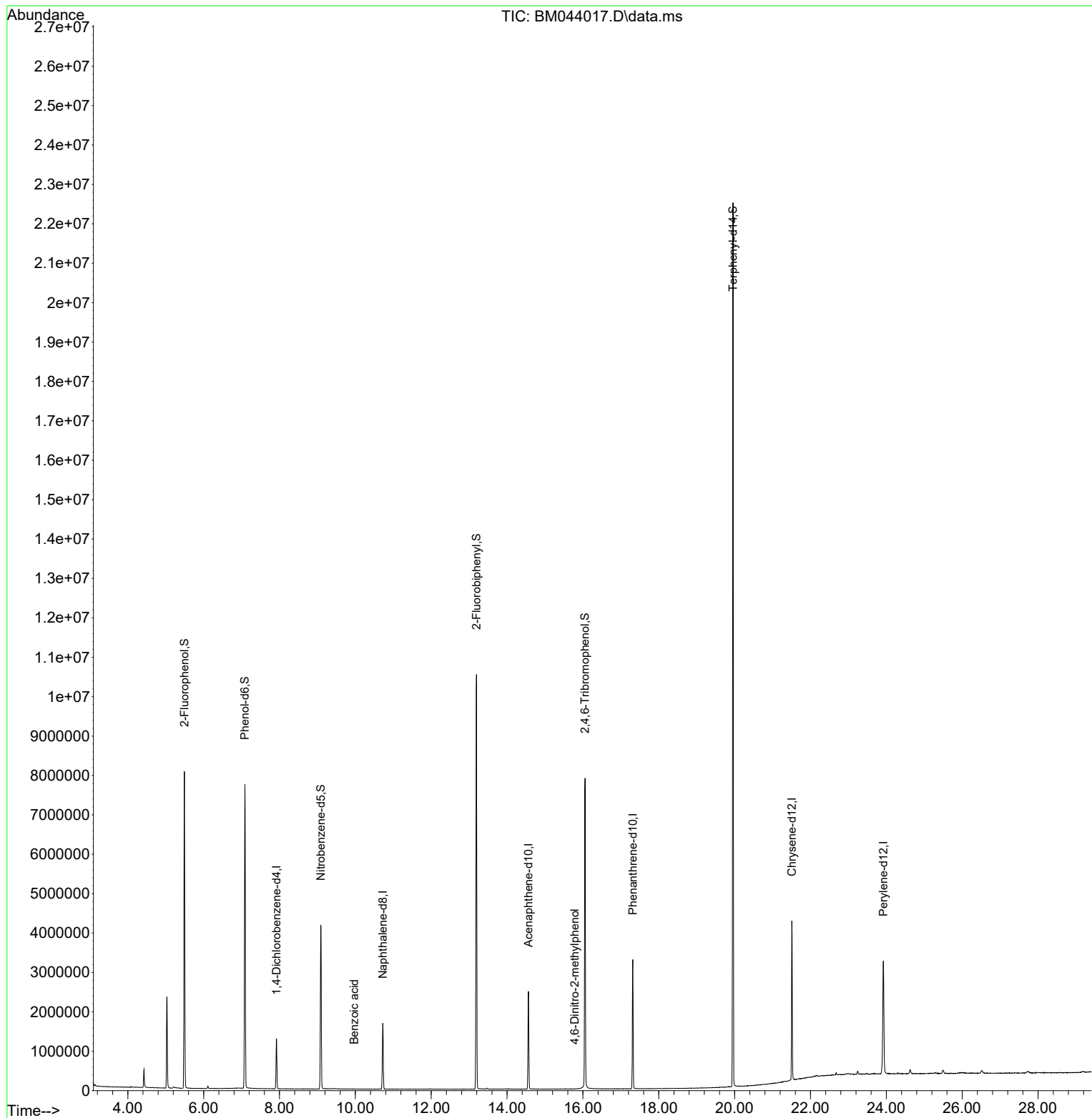
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.922  | 152  | 341164   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.722 | 136  | 1360107  | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.563 | 164  | 827619   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.315 | 188  | 1907739  | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 21.509 | 240  | 1846275  | 20.000    | ng    | -0.01    |
| 86) Perylene-d12              | 23.921 | 264  | 2173942  | 20.000    | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 3287046  | 142.280   | ng    | 0.00     |
| 7) Phenol-d6                  | 7.087  | 99   | 4247653  | 124.439   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.086  | 82   | 2416729  | 85.654    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.057 | 330  | 1220164  | 120.945   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.192 | 172  | 5352552  | 88.867    | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.956 | 244  | 9958762  | 104.126   | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 7.087  | 77   | 7832     | Below Cal | #     | 2        |
| 32) Benzoic acid              | 9.969  | 122  | 57       | 6.691 ng  | #     | 1        |
| 65) 4,6-Dinitro-2-methylph... | 15.780 | 198  | 215      | 6.217 ng  | #     | 1        |
| -----                         |        |      |          |           |       |          |

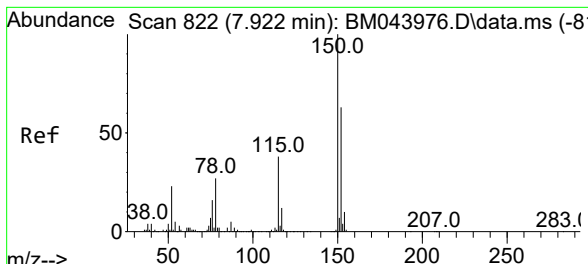
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM020524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 06 07:03:31 2024  
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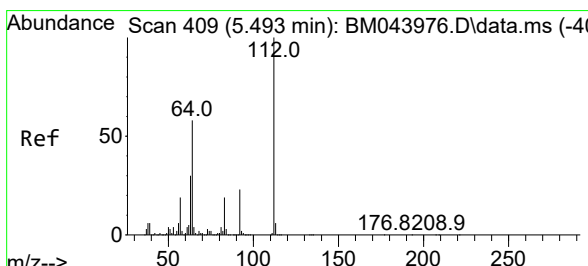
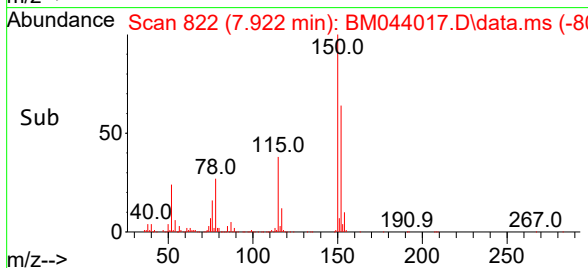
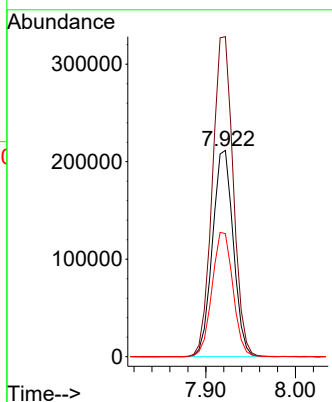
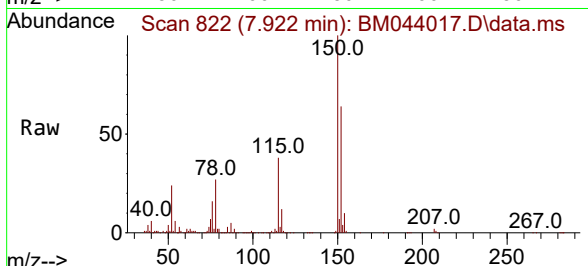


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.922 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: BM044017.D  
 Acq: 07 Feb 2024 07:33

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB158270BL

Tgt Ion:152 Resp: 341164

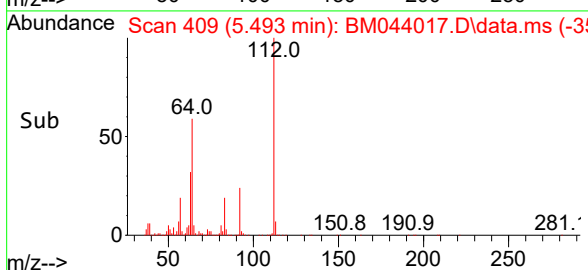
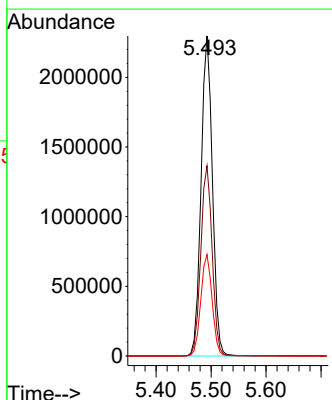
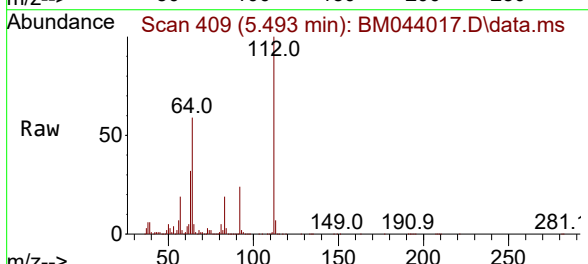
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 155.2 | 126.1 | 189.1 |
| 115 | 59.6  | 48.2  | 72.2  |

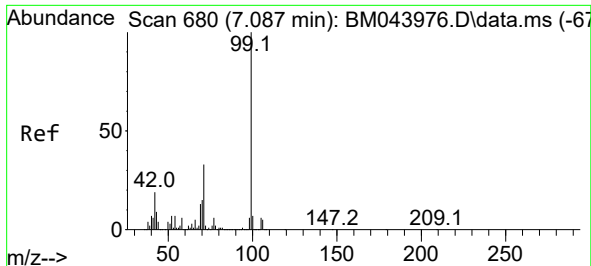


#5  
 2-Fluorophenol  
 Concen: 142.280 ng  
 RT: 5.493 min Scan# 409  
 Delta R.T. -0.000 min  
 Lab File: BM044017.D  
 Acq: 07 Feb 2024 07:33

Tgt Ion:112 Resp: 3287046

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 59.4  | 46.6  | 70.0  |
| 63  | 31.7  | 24.2  | 36.4  |



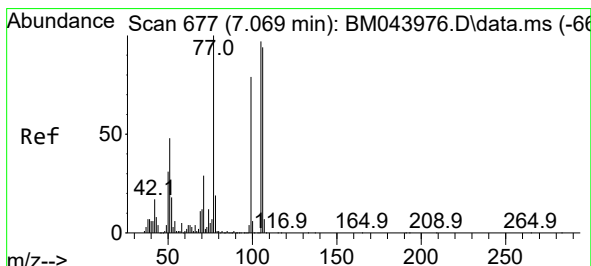
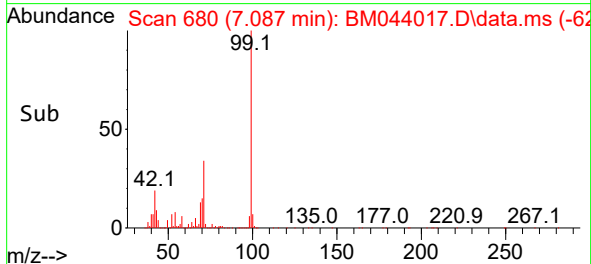
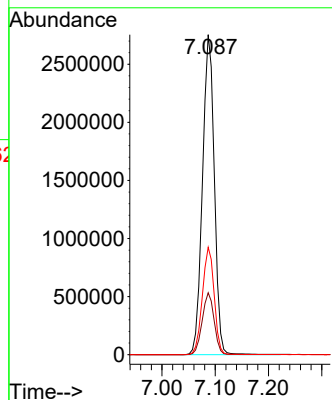
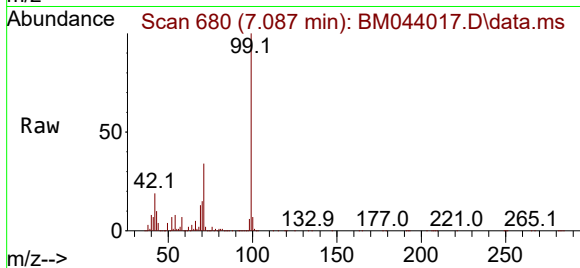


#7  
Phenol-d6  
Concen: 124.439 ng  
RT: 7.087 min Scan# 680  
Delta R.T. -0.000 min  
Lab File: BM044017.D  
Acq: 07 Feb 2024 07:33

Instrument :  
BNA\_M  
ClientSampleId :  
PB158270BL

Tgt Ion: 99 Resp: 4247653

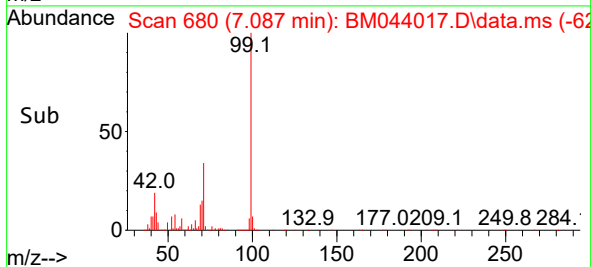
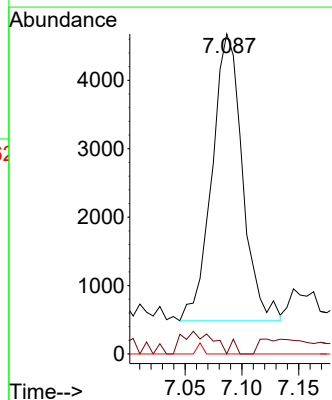
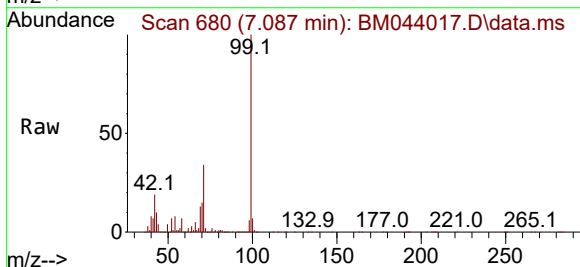
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.3  | 14.9  | 22.3  |
| 71  | 33.6  | 26.3  | 39.5  |

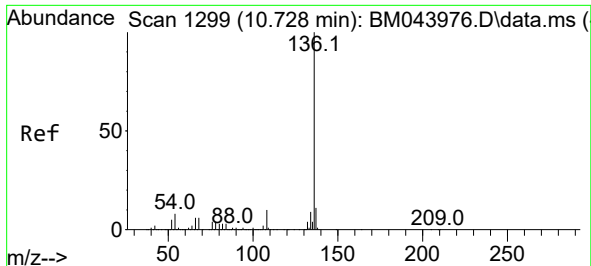


#9  
Benzaldehyde  
Concen: Below Cal  
RT: 7.087 min Scan# 680  
Delta R.T. 0.018 min  
Lab File: BM044017.D  
Acq: 07 Feb 2024 07:33

Tgt Ion: 77 Resp: 7832

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 77  | 100   |       |        |
| 105 | 0.0   | 77.4  | 117.4# |
| 106 | 0.0   | 73.5  | 113.5# |

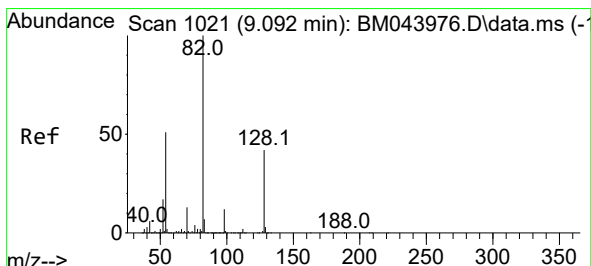
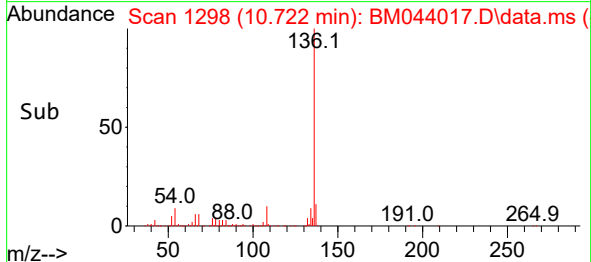
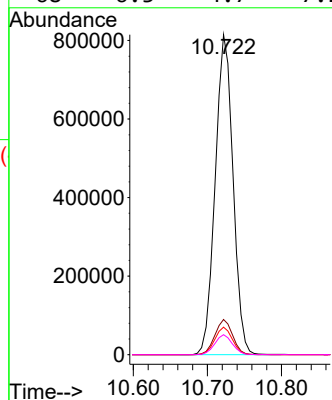
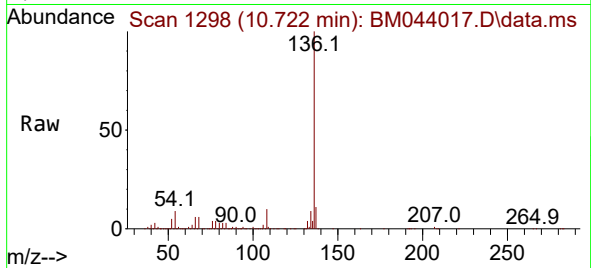




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.722 min Scan# 1299  
Delta R.T. -0.006 min  
Lab File: BM044017.D  
Acq: 07 Feb 2024 07:33

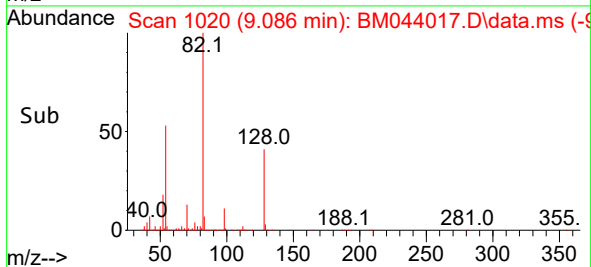
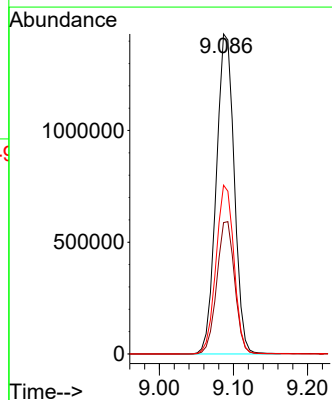
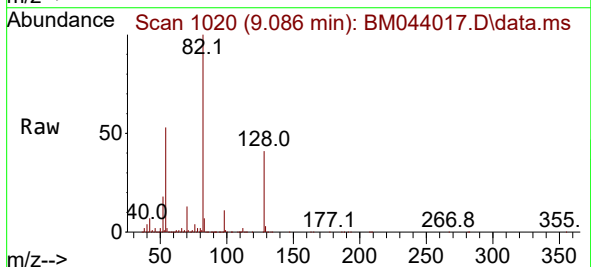
Instrument :  
BNA\_M  
ClientSampleId :  
PB158270BL

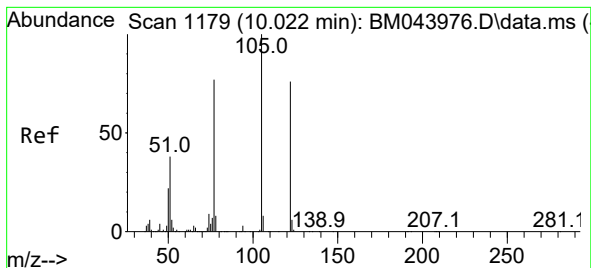
Tgt Ion:136 Resp: 1360107  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 8.6 6.5 9.7  
68 6.3 4.7 7.1



#23  
Nitrobenzene-d5  
Concen: 85.654 ng  
RT: 9.086 min Scan# 1020  
Delta R.T. -0.006 min  
Lab File: BM044017.D  
Acq: 07 Feb 2024 07:33

Tgt Ion: 82 Resp: 2416729  
Ion Ratio Lower Upper  
82 100  
128 41.0 33.9 50.9  
54 52.8 41.1 61.7





#32

Benzoic acid

Concen: 6.691 ng

RT: 9.969 min Scan# 1179

Delta R.T. -0.053 min

Lab File: BM044017.D

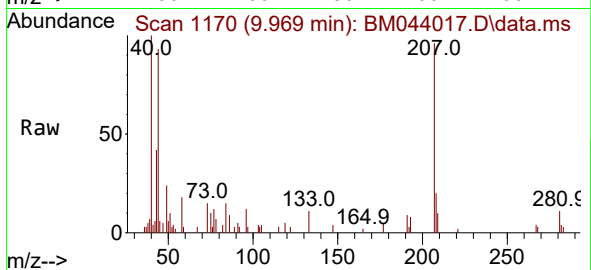
Acq: 07 Feb 2024 07:33

Instrument :

BNA\_M

ClientSampleId :

PB158270BL



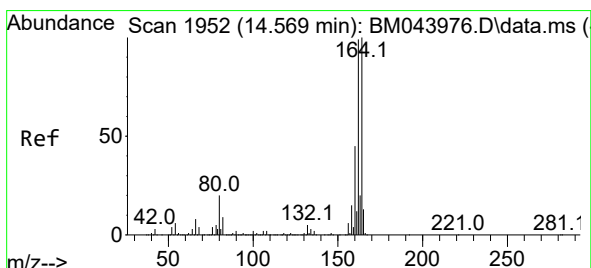
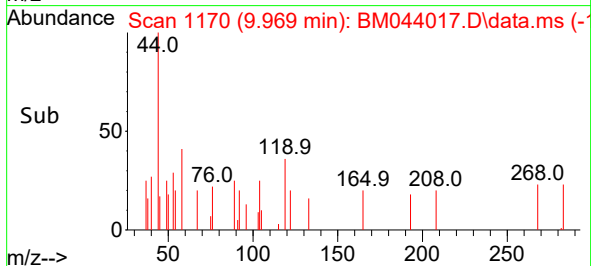
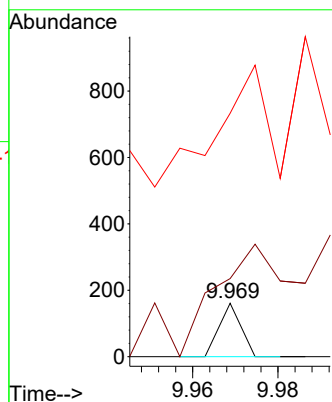
Tgt Ion:122 Resp: 57

Ion Ratio Lower Upper

122 100

105 146.0 109.4 149.4

77 455.3 80.5 120.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1951

Delta R.T. -0.006 min

Lab File: BM044017.D

Acq: 07 Feb 2024 07:33

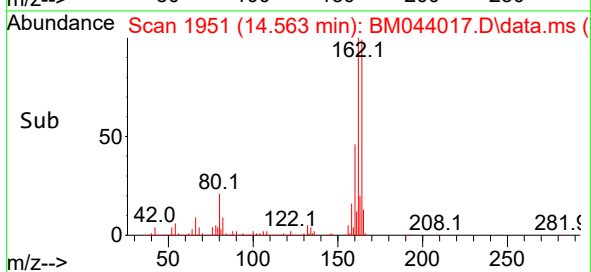
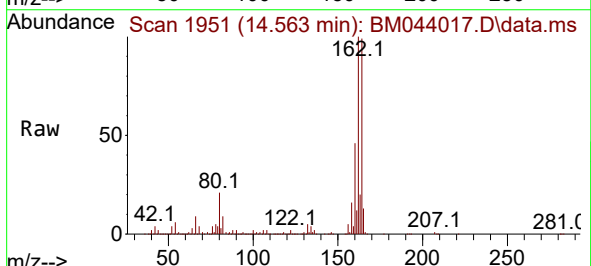
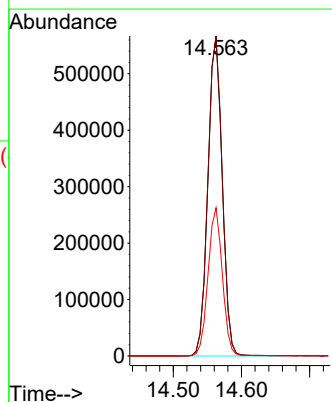
Tgt Ion:164 Resp: 827619

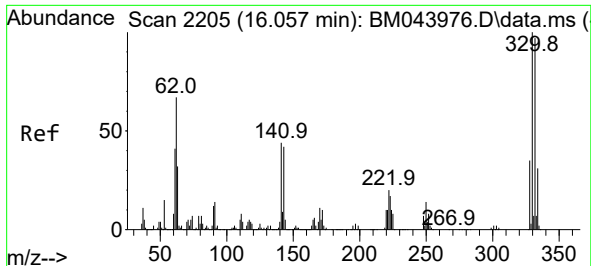
Ion Ratio Lower Upper

164 100

162 100.6 79.0 118.4

160 46.6 35.8 53.8

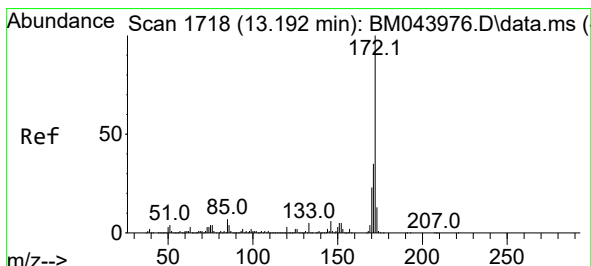
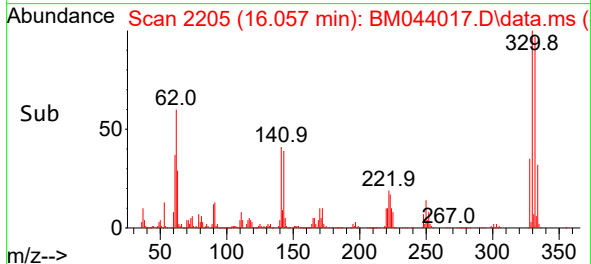
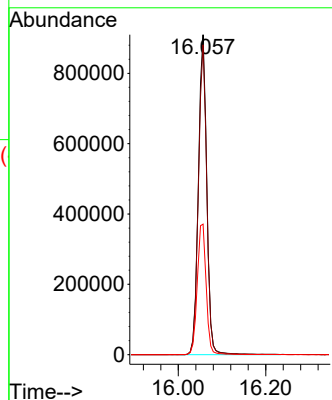
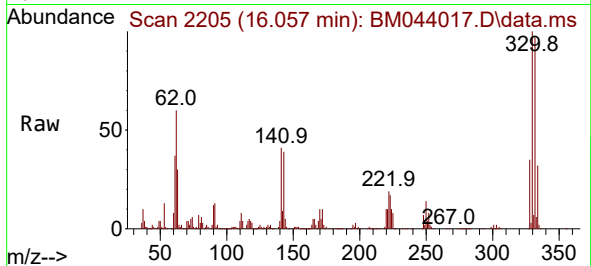




#42  
2,4,6-Tribromophenol  
Concen: 120.945 ng  
RT: 16.057 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM044017.D  
Acq: 07 Feb 2024 07:33

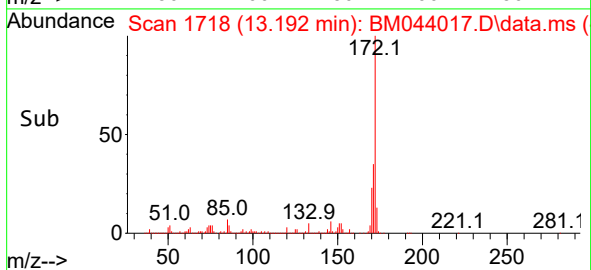
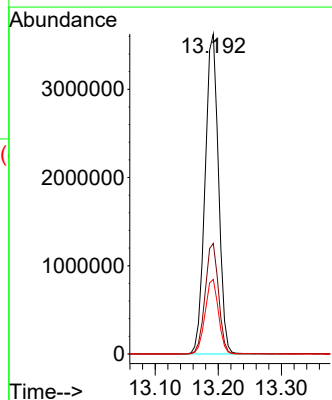
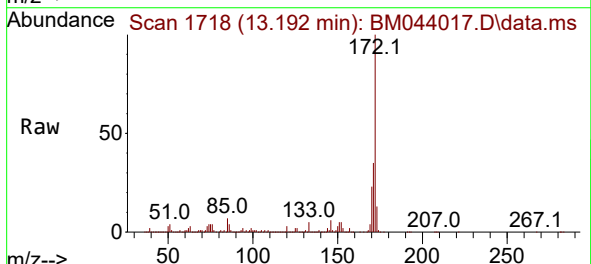
Instrument :  
BNA\_M  
ClientSampleId :  
PB158270BL

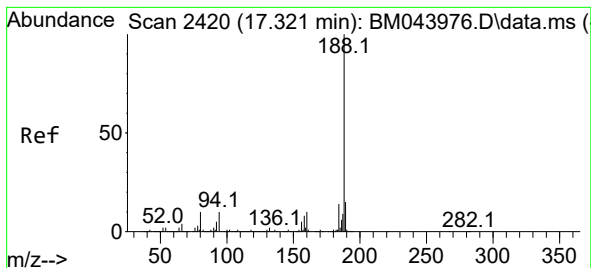
Tgt Ion:330 Resp: 1220164  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.6 116.4  
141 43.1 33.5 50.3



#45  
2-Fluorobiphenyl  
Concen: 88.867 ng  
RT: 13.192 min Scan# 1718  
Delta R.T. 0.000 min  
Lab File: BM044017.D  
Acq: 07 Feb 2024 07:33

Tgt Ion:172 Resp: 5352552  
Ion Ratio Lower Upper  
172 100  
171 34.5 27.9 41.9  
170 23.3 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.315 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM044017.D

Acq: 07 Feb 2024 07:33

Instrument :

BNA\_M

ClientSampleId :

PB158270BL

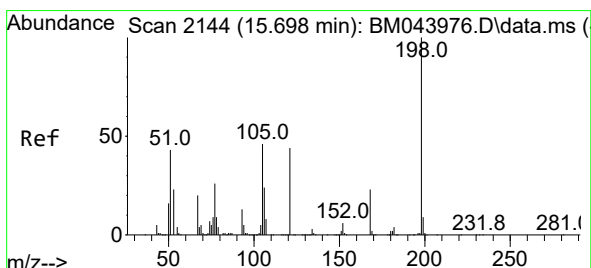
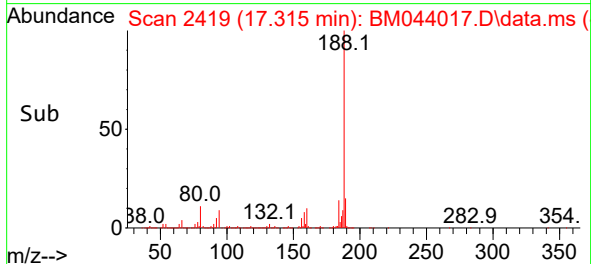
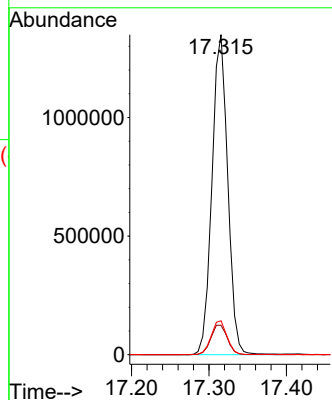
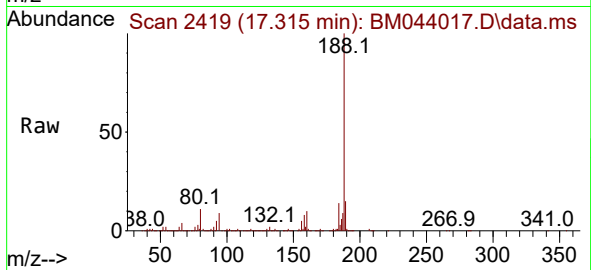
Tgt Ion:188 Resp: 1907739

Ion Ratio Lower Upper

188 100

94 9.2 7.7 11.5

80 10.6 8.2 12.4



#65

4,6-Dinitro-2-methylphenol

Concen: 6.217 ng

RT: 15.780 min Scan# 2158

Delta R.T. 0.082 min

Lab File: BM044017.D

Acq: 07 Feb 2024 07:33

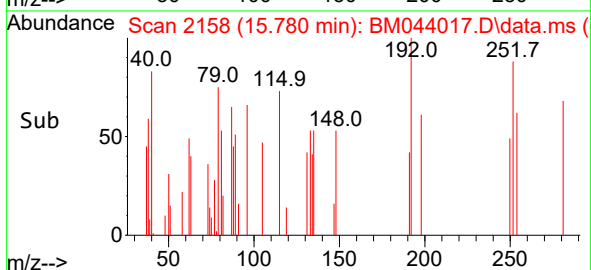
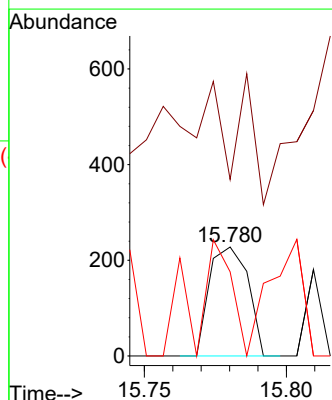
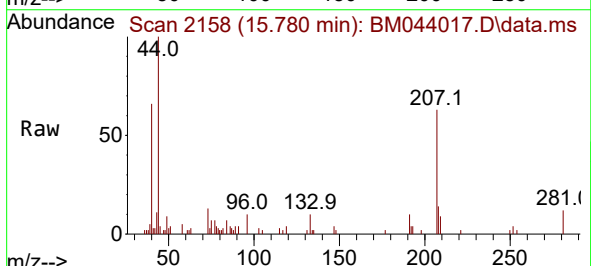
Tgt Ion:198 Resp: 215

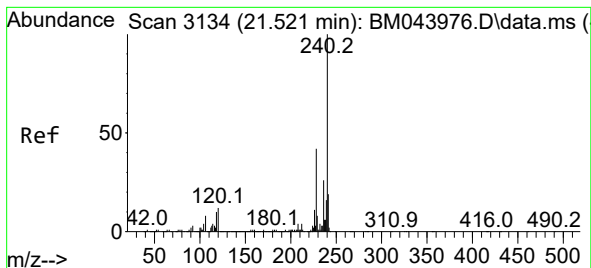
Ion Ratio Lower Upper

198 100

51 161.8 31.9 71.9#

105 77.2 28.1 68.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.509 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM044017.D

Acq: 07 Feb 2024 07:33

Instrument :

BNA\_M

ClientSampleId :

PB158270BL

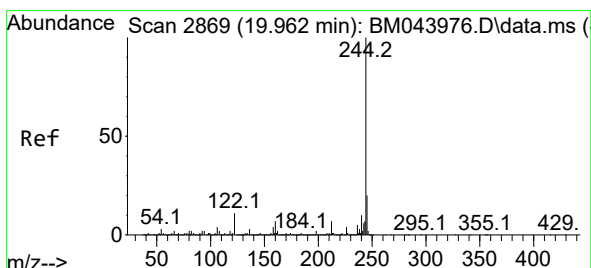
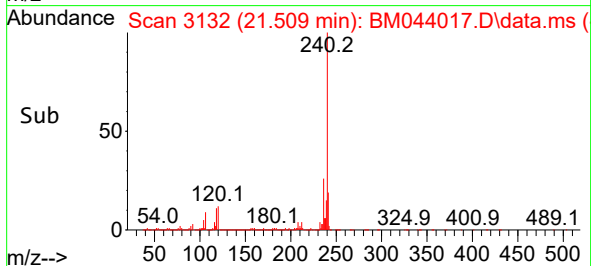
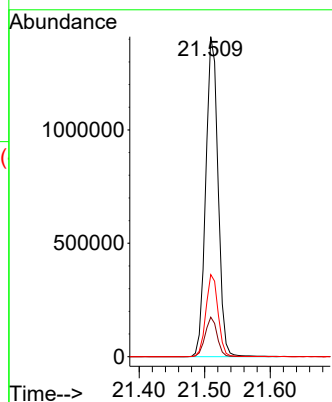
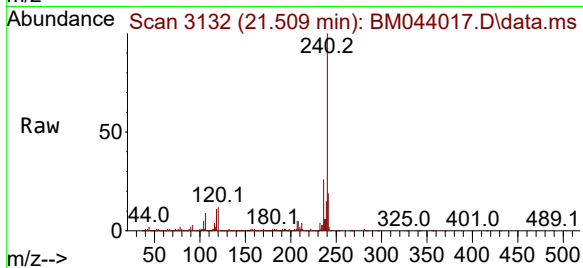
Tgt Ion:240 Resp: 1846275

Ion Ratio Lower Upper

240 100

120 12.4 9.3 13.9

236 25.6 20.5 30.7



#79

Terphenyl-d14

Concen: 104.126 ng

RT: 19.956 min Scan# 2868

Delta R.T. -0.006 min

Lab File: BM044017.D

Acq: 07 Feb 2024 07:33

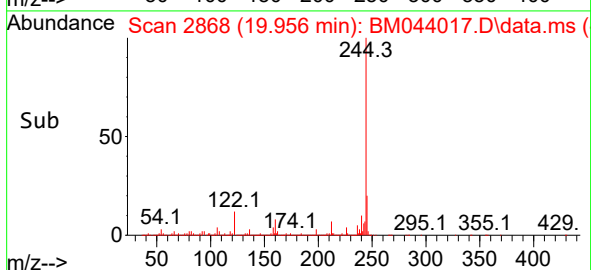
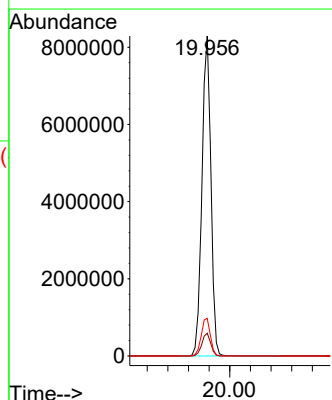
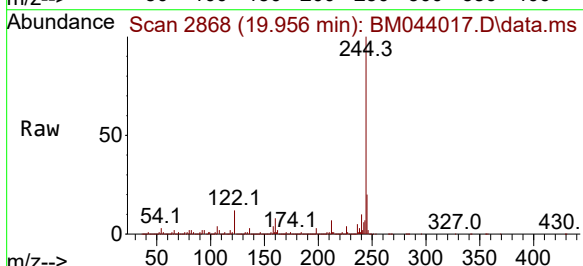
Tgt Ion:244 Resp: 9958762

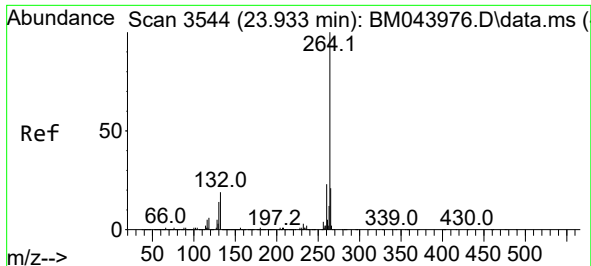
Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 11.8 8.7 13.1





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.921 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: BM044017.D  
Acq: 07 Feb 2024 07:33

Instrument :  
BNA\_M  
ClientSampleId :  
PB158270BL

Tgt Ion:264 Resp: 2173942  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 18.6  | 28.0  |
| 265 | 21.5  | 17.2  | 25.8  |

