

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE020719\  
 Data File : BE098720.D  
 Acq On : 7 Feb 2019 11:12  
 Operator : JU/SJ  
 Sample : PB116867BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB116867BL

Quant Time: Feb 07 11:49:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE012419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 24 14:44:44 2019  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|------|----------|------|-------|----------|
| -----                       |        |      |          |      |       |          |
| Internal Standards          |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.817  | 152  | 990      | 0.40 | ng    | 0.01     |
| 7) Naphthalene-d8           | 10.614 | 136  | 3844     | 0.40 | ng    | # 0.01   |
| 13) Acenaphthene-d10        | 14.485 | 164  | 2332     | 0.40 | ng    | 0.01     |
| 19) Phenanthrene-d10        | 17.242 | 188  | 5440     | 0.40 | ng    | # 0.02   |
| 27) Chrysene-d12            | 21.414 | 240  | 7050     | 0.40 | ng    | # 0.00   |
| 34) Perylene-d12            | 23.927 | 264  | 6817     | 0.40 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.410  | 112  | 1050     | 0.36 | ng    | 0.01     |
| 5) Phenol-d6                | 7.023  | 99   | 1245     | 0.29 | ng    | 0.02     |
| 8) Nitrobenzene-d5          | 9.042  | 82   | 865      | 0.26 | ng    | 0.06     |
| 11) 2-Methylnaphthalene-d10 | 12.223 | 152  | 2262     | 0.31 | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol    | 15.997 | 330  | 319      | 0.31 | ng    | 0.02     |
| 15) 2-Fluorobiphenyl        | 13.116 | 172  | 2666     | 0.27 | ng    | 0.01     |
| 25) Fluoranthene-d10        | 19.264 | 212  | 26361    | 0.34 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.862 | 244  | 4344     | 0.25 | ng    | 0.00     |

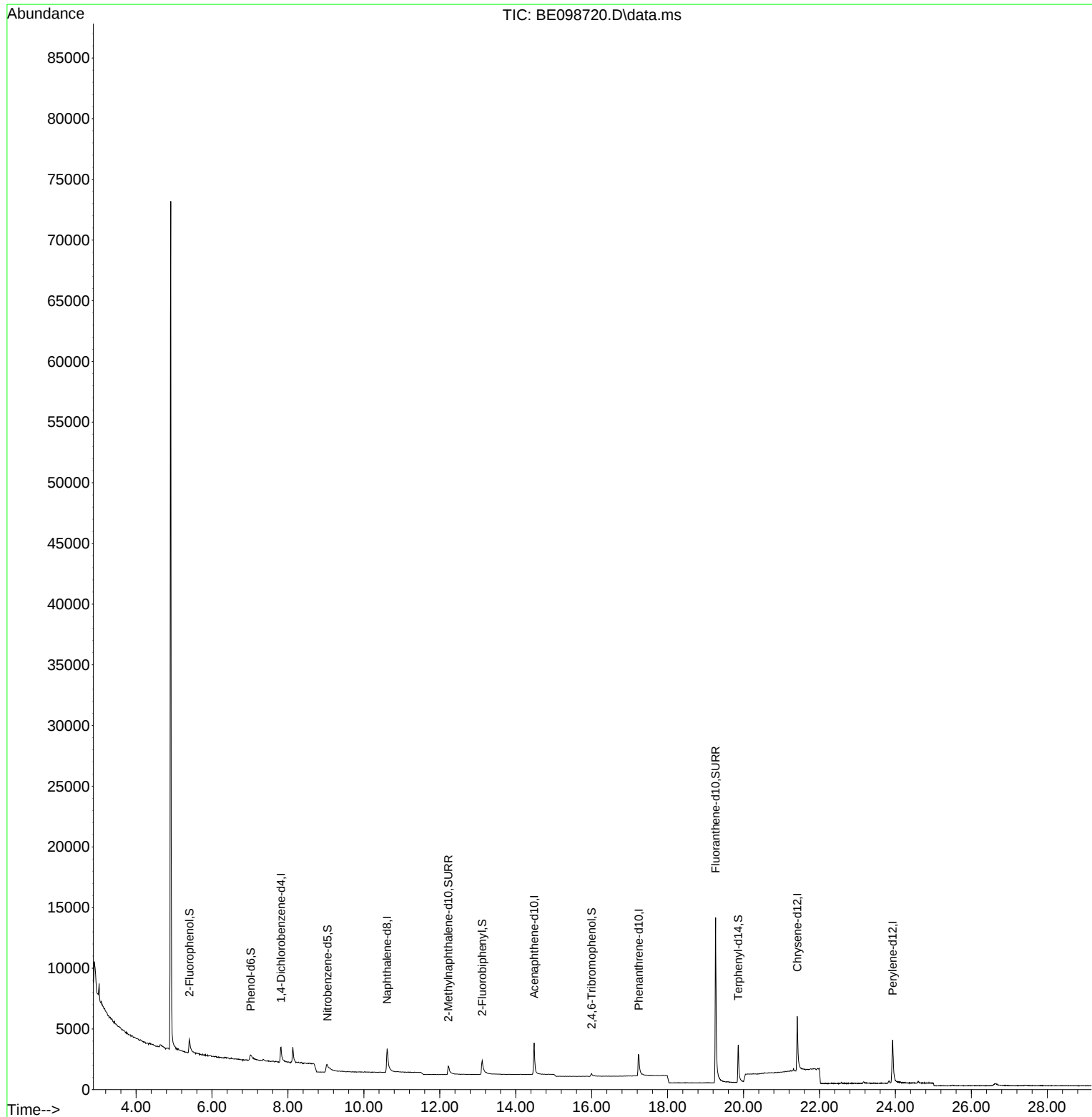
Target Compounds Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE020719\  
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Sample : PB116867BL  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
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Quant Time: Feb 07 11:49:28 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE012419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 24 14:44:44 2019  
Response via : Initial Calibration

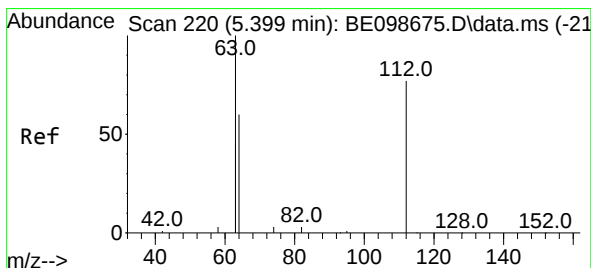
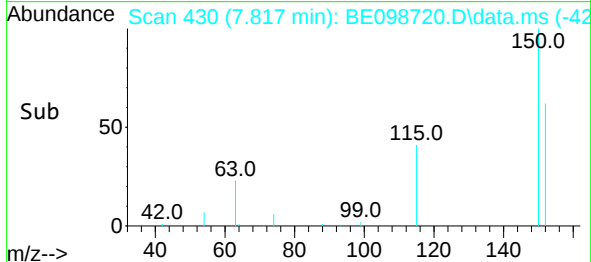
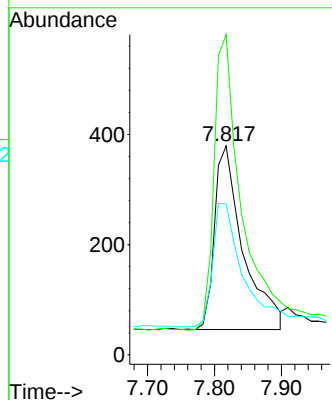
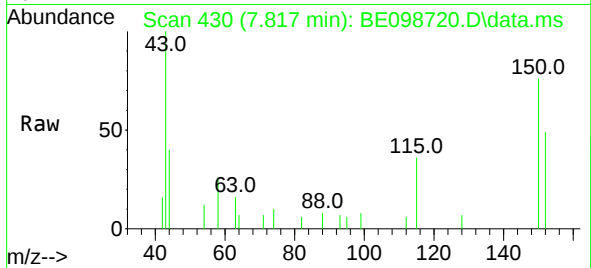




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.817 min Scan# 430  
 Delta R.T. 0.010 min  
 Lab File: BE098720.D  
 Acq: 7 Feb 2019 11:12

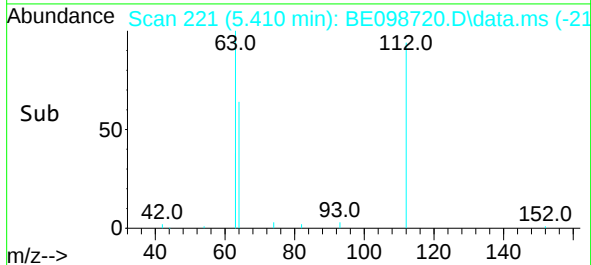
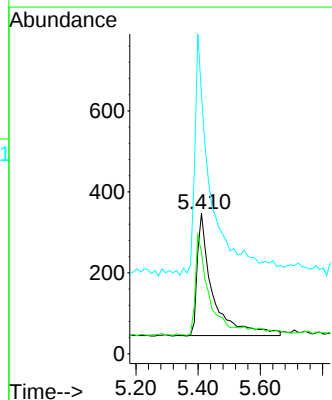
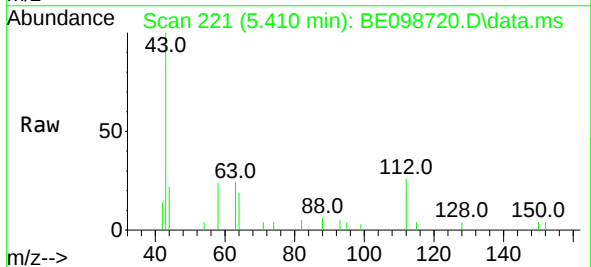
Instrument :  
 BNA\_E  
 ClientSampleID :  
 PB116867BL

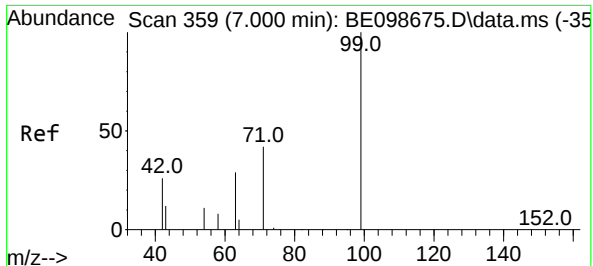
Tgt Ion:152 Resp: 990  
 Ion Ratio Lower Upper  
 152 100  
 150 153.3 121.4 182.2  
 115 72.3 59.1 88.7



#4  
 2-Fluorophenol  
 Concen: 0.36 ng  
 RT: 5.410 min Scan# 221  
 Delta R.T. 0.011 min  
 Lab File: BE098720.D  
 Acq: 7 Feb 2019 11:12

Tgt Ion:112 Resp: 1050  
 Ion Ratio Lower Upper  
 112 100  
 64 80.6 62.9 94.3  
 63 197.0 152.2 228.4

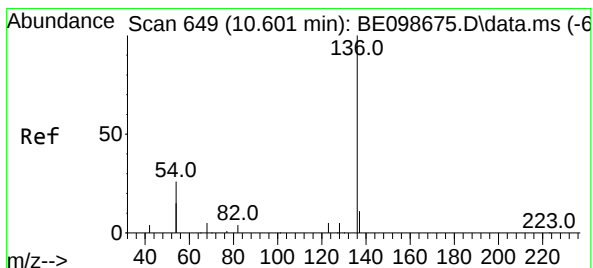
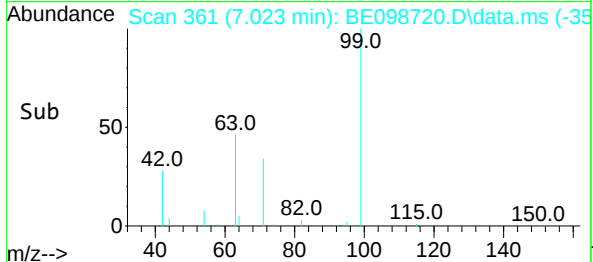
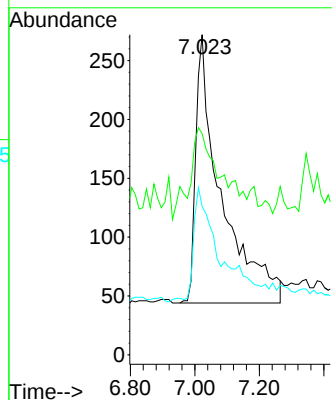
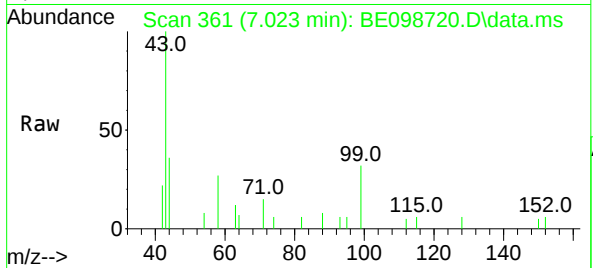




#5  
Phenol-d6  
Concen: 0.29 ng  
RT: 7.023 min Scan# 361  
Delta R.T. 0.023 min  
Lab File: BE098720.D  
Acq: 7 Feb 2019 11:12

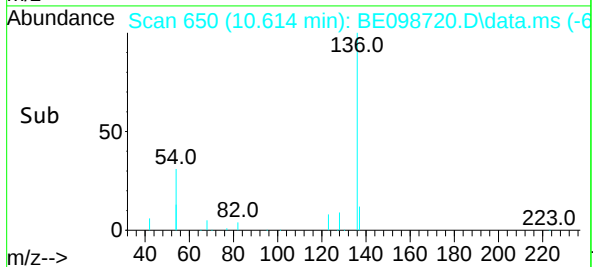
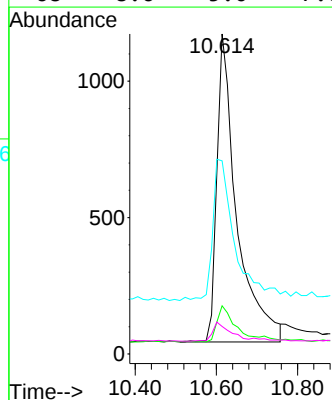
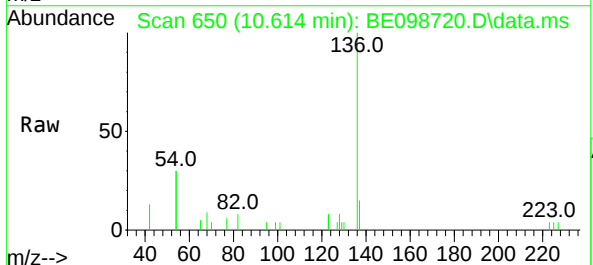
Instrument :  
BNA\_E  
ClientSampleId :  
PB116867BL

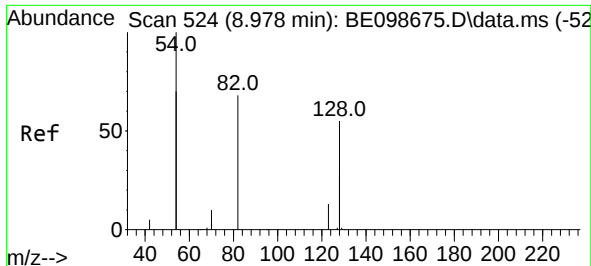
Tgt Ion: 99 Resp: 1245  
Ion Ratio Lower Upper  
99 100  
42 41.8 24.6 37.0#  
71 41.6 35.1 52.7



#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.614 min Scan# 650  
Delta R.T. 0.013 min  
Lab File: BE098720.D  
Acq: 7 Feb 2019 11:12

Tgt Ion: 136 Resp: 3844  
Ion Ratio Lower Upper  
136 100  
137 15.1 9.7 14.5#  
54 60.4 35.5 53.3#  
68 8.6 5.0 7.6#

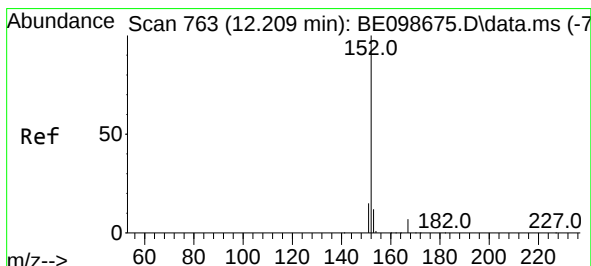
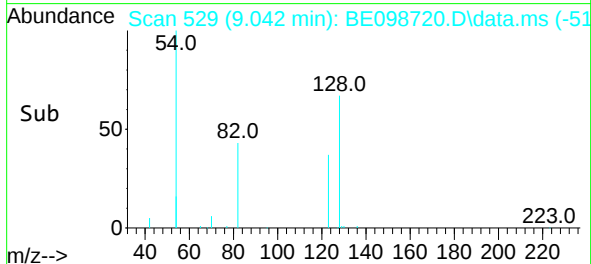
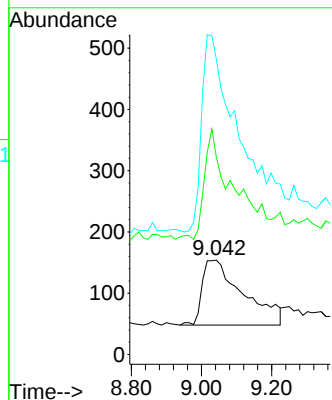
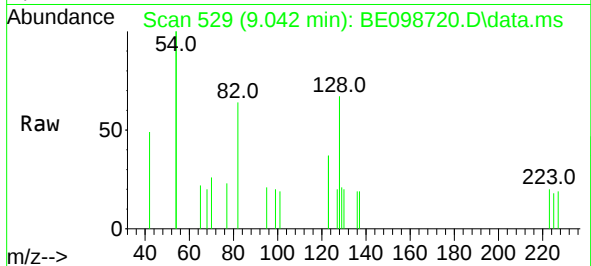




#8  
Nitrobenzene-d5  
Concen: 0.26 ng  
RT: 9.042 min Scan# 529  
Delta R.T. 0.064 min  
Lab File: BE098720.D  
Acq: 7 Feb 2019 11:12

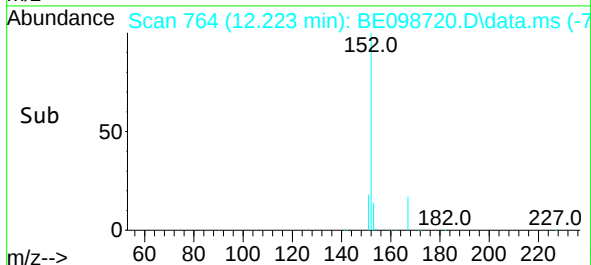
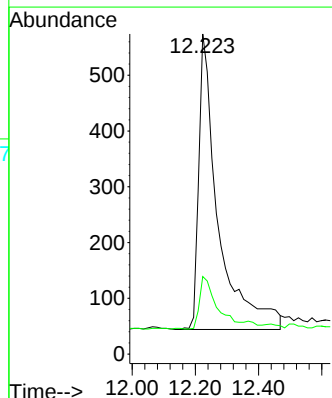
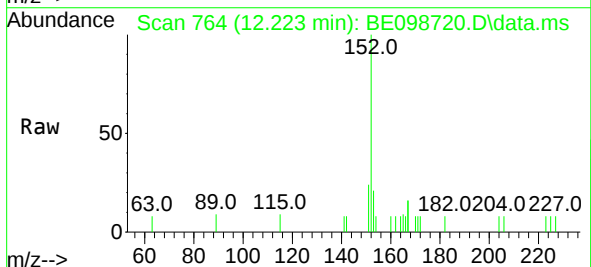
Instrument :  
BNA\_E  
ClientSampleId :  
PB116867BL

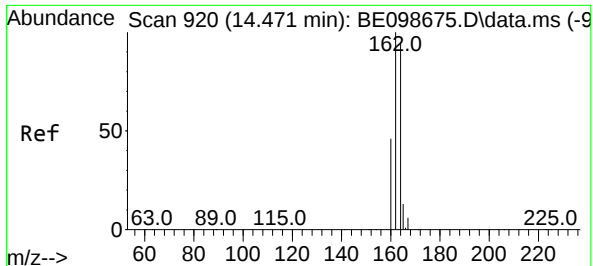
Tgt Ion: 82 Resp: 865  
Ion Ratio Lower Upper  
82 100  
128 209.1 96.5 144.7#  
54 313.0 224.7 337.1



#11  
2-Methylnaphthalene-d10  
Concen: 0.31 ng  
RT: 12.223 min Scan# 764  
Delta R.T. 0.014 min  
Lab File: BE098720.D  
Acq: 7 Feb 2019 11:12

Tgt Ion: 152 Resp: 2262  
Ion Ratio Lower Upper  
152 100  
151 15.9 16.2 24.4#





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.485 min Scan# 921

Delta R.T. 0.014 min

Lab File: BE098720.D

Acq: 7 Feb 2019 11:12

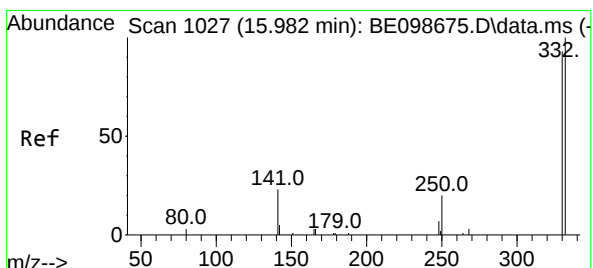
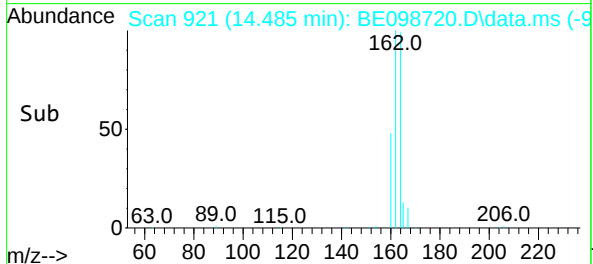
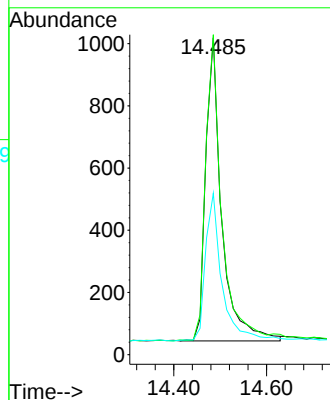
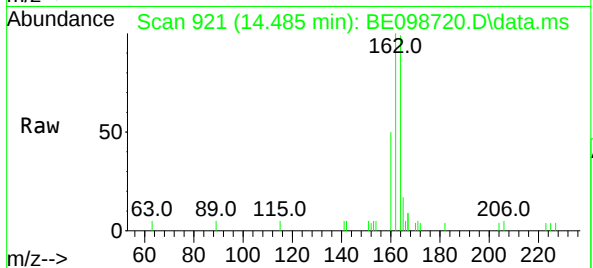
Instrument :

BNA\_E

ClientSampleId :

PB116867BL

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:164 | Resp: | 2332  |       |
| Ion         | Ratio | Lower | Upper |
| 164         | 100   |       |       |
| 162         | 101.0 | 80.5  | 120.7 |
| 160         | 50.9  | 40.1  | 60.1  |



#14

2,4,6-Tribromophenol

Concen: 0.31 ng

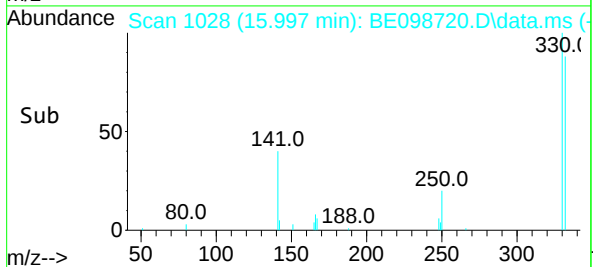
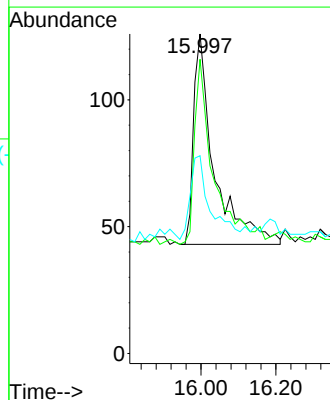
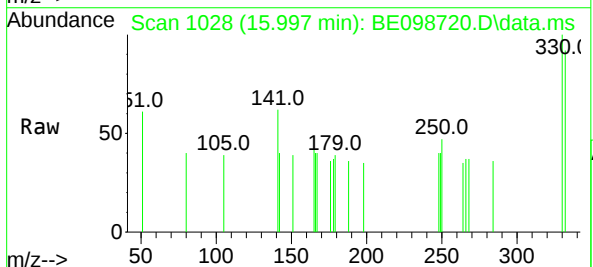
RT: 15.997 min Scan# 1028

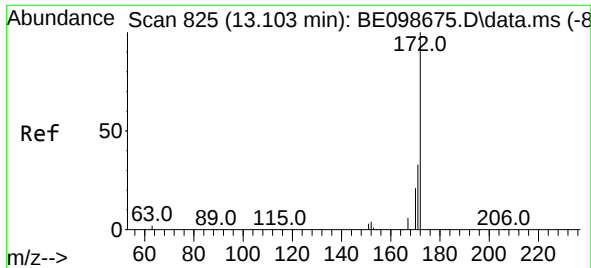
Delta R.T. 0.015 min

Lab File: BE098720.D

Acq: 7 Feb 2019 11:12

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:330 | Resp: | 319   |       |
| Ion         | Ratio | Lower | Upper |
| 330         | 100   |       |       |
| 332         | 82.4  | 73.3  | 109.9 |
| 141         | 38.2  | 33.1  | 49.7  |

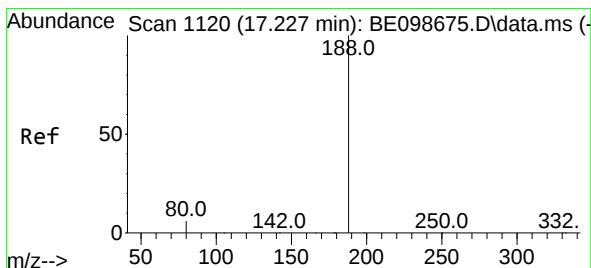
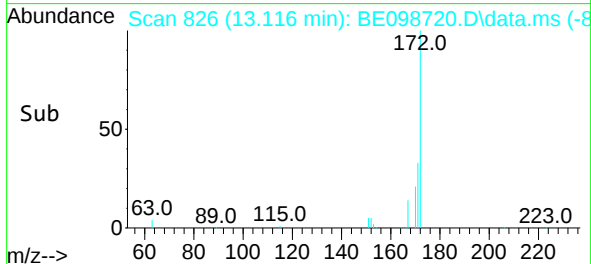
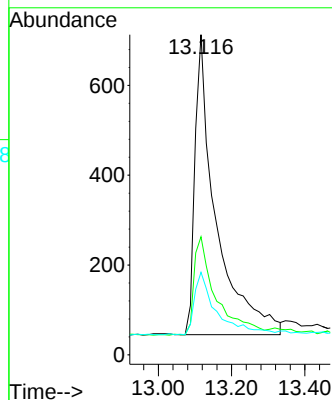
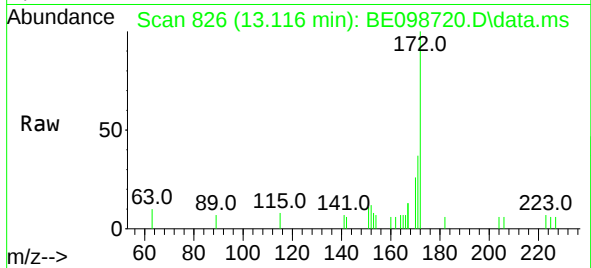




#15  
2-Fluorobiphenyl  
Concen: 0.27 ng  
RT: 13.116 min Scan# 826  
Delta R.T. 0.013 min  
Lab File: BE098720.D  
Acq: 7 Feb 2019 11:12

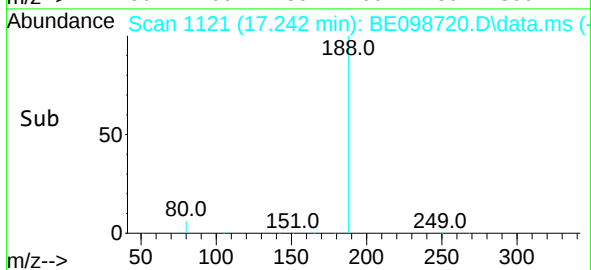
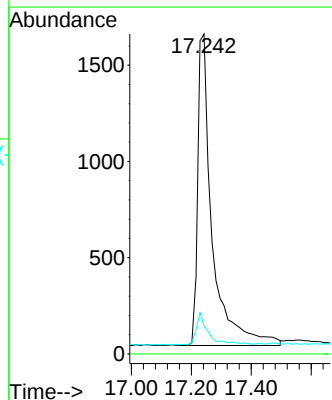
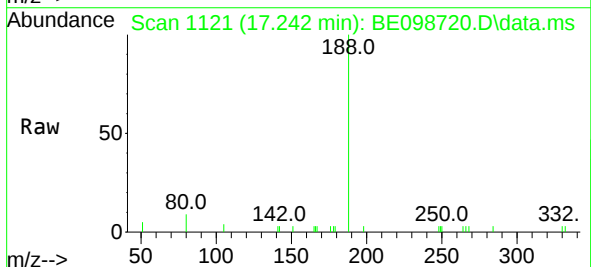
Instrument :  
BNA\_E  
ClientSampleId :  
PB116867BL

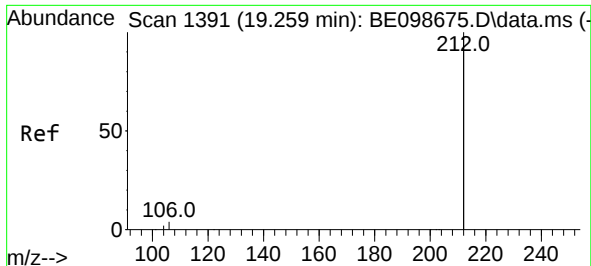
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|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 2666      |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 36.9  | 29.0 43.4 |
| 170         | 25.8  | 20.8 31.2 |



#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.242 min Scan# 1121  
Delta R.T. 0.015 min  
Lab File: BE098720.D  
Acq: 7 Feb 2019 11:12

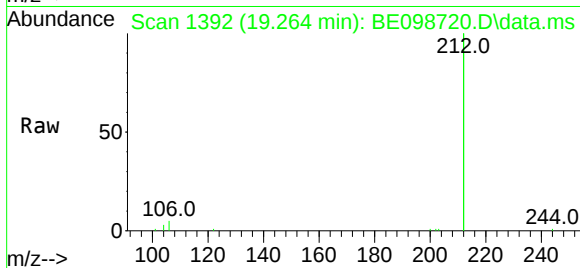
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|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 5440     |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 0.0   | 0.0 0.0  |
| 80          | 8.8   | 4.7 7.1# |



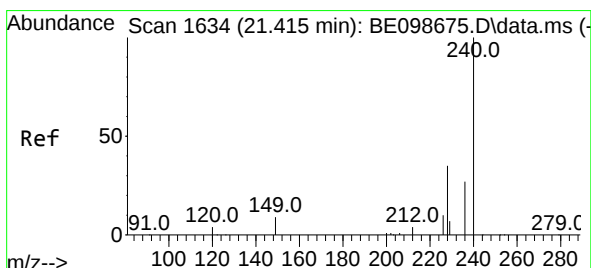
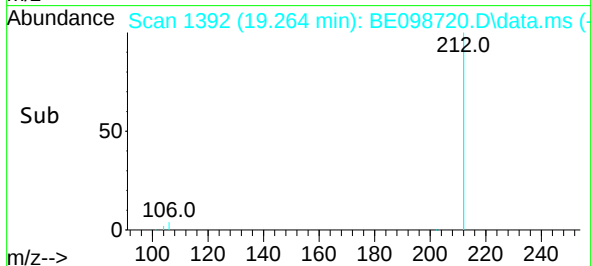
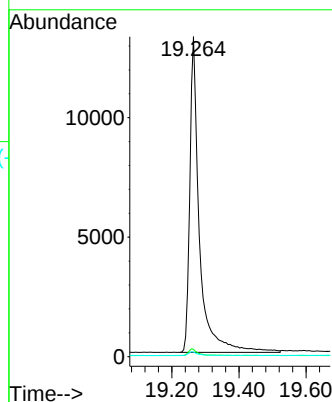


#25  
Fluoranthene-d10  
Concen: 0.34 ng  
RT: 19.264 min Scan# 1392  
Delta R.T. 0.005 min  
Lab File: BE098720.D  
Acq: 7 Feb 2019 11:12

Instrument :  
BNA\_E  
ClientSampleId :  
PB116867BL

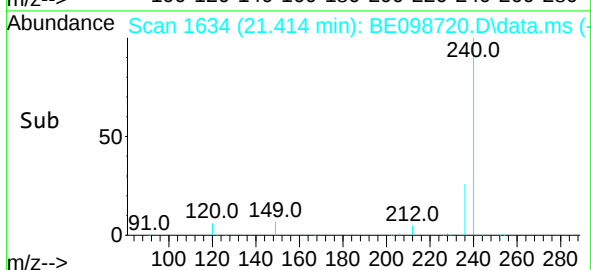
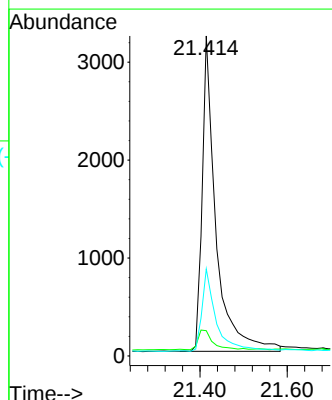
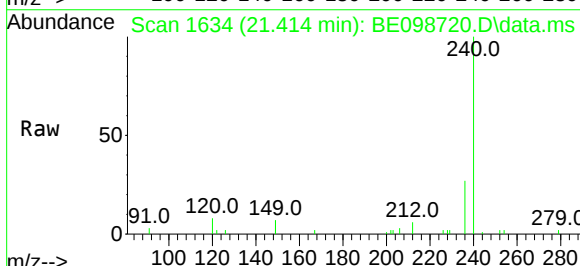


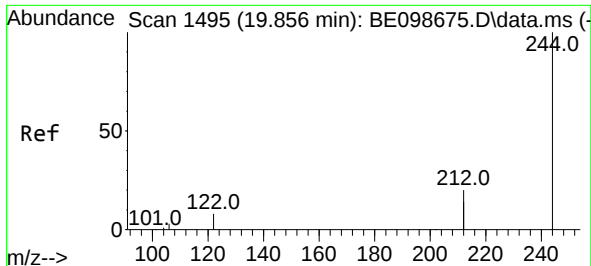
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Ion Ratio Lower Upper  
212 100  
106 1.9 1.7 2.5  
104 1.2 1.0 1.6



#27  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.414 min Scan# 1634  
Delta R.T. -0.001 min  
Lab File: BE098720.D  
Acq: 7 Feb 2019 11:12

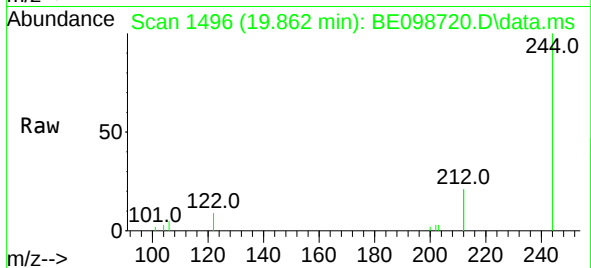
Tgt Ion:240 Resp: 7050  
Ion Ratio Lower Upper  
240 100  
120 7.9 4.7 7.1#  
236 27.2 21.9 32.9





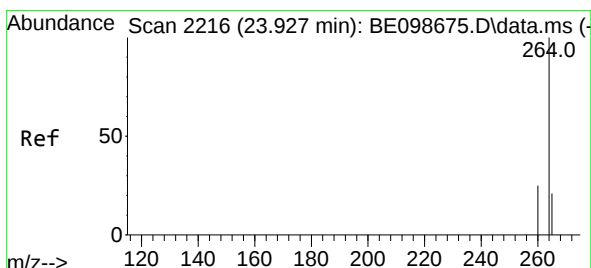
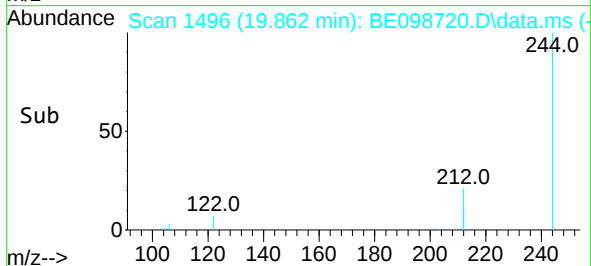
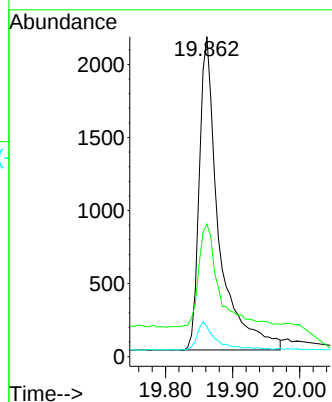
#29  
 Terphenyl-d14  
 Concen: 0.25 ng  
 RT: 19.862 min Scan# 1496  
 Delta R.T. 0.006 min  
 Lab File: BE098720.D  
 Acq: 7 Feb 2019 11:12

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB116867BL



Tgt Ion:244 Resp: 4344

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 41.5  | 29.4  | 44.2  |
| 122 | 9.2   | 7.1   | 10.7  |



#34  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.927 min Scan# 2216  
 Delta R.T. -0.000 min  
 Lab File: BE098720.D  
 Acq: 7 Feb 2019 11:12

Tgt Ion:264 Resp: 6817

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 26.3  | 20.5  | 30.7  |
| 265 | 30.1  | 22.3  | 33.5  |

