

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092421\  
 Data File : BN016441.D  
 Acq On : 24 Sep 2021 16:45  
 Operator : CG/JU  
 Sample : M3911-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SW-CB-04-(0.5)

Quant Time: Sep 24 17:55:38 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN092421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 24 03:35:41 2021  
 Response via : Initial Calibration

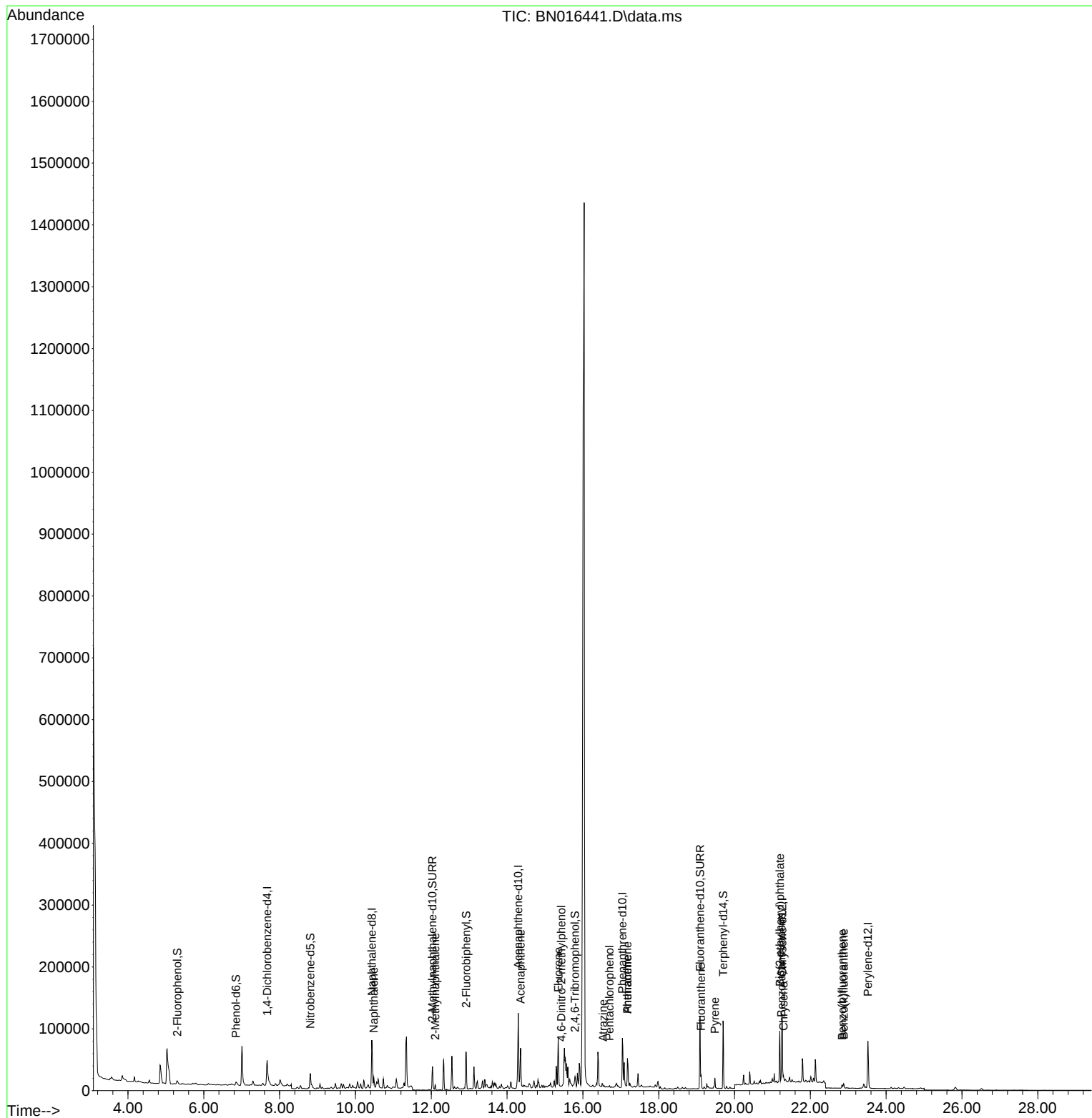
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.670  | 152  | 23651    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.432 | 136  | 104416   | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.294 | 164  | 58058    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.042 | 188  | 112185   | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.259 | 240  | 109470   | 0.400 | ng    | # 0.01   |
| 35) Perylene-d12              | 23.519 | 264  | 101310   | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.300  | 112  | 7136     | 0.134 | ng    | 0.02     |
| 5) Phenol-d6                  | 6.849  | 99   | 4909     | 0.078 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.810  | 82   | 18797    | 0.254 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.029 | 152  | 47373    | 0.306 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.791 | 330  | 6471     | 0.424 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.924 | 172  | 60254    | 0.247 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.088 | 212  | 131354   | 0.427 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.698 | 244  | 108570   | 0.427 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 9) Naphthalene                | 10.483 | 128  | 15777    | 0.057 | ng    | # 95     |
| 12) 2-Methylnaphthalene       | 12.105 | 142  | 6169     | 0.035 | ng    | # 95     |
| 17) Acenaphthene              | 14.357 | 154  | 29260    | 0.174 | ng    | 96       |
| 18) Fluorene                  | 15.347 | 166  | 61540    | 0.306 | ng    | 97       |
| 20) 4,6-Dinitro-2-methylph... | 15.436 | 198  | 90       | 0.154 | ng    | # 1      |
| 23) Atrazine                  | 16.531 | 200  | 849      | 0.149 | ng    | # 71     |
| 24) Pentachlorophenol         | 16.701 | 266  | 850      | 0.270 | ng    | 87       |
| 25) Phenanthrene              | 17.176 | 178  | 49834    | 0.149 | ng    | 100      |
| 26) Anthracene                | 17.176 | 178  | 49284    | 0.177 | ng    | 99       |
| 28) Fluoranthene              | 19.117 | 202  | 18590    | 0.051 | ng    | 97       |
| 30) Pyrene                    | 19.480 | 202  | 15029    | 0.044 | ng    | # 93     |
| 32) Benzo(a)anthracene        | 21.238 | 228  | 9003     | 0.028 | ng    | # 89     |
| 33) Chrysene                  | 21.291 | 228  | 8094     | 0.024 | ng    | # 87     |
| 34) Bis(2-ethylhexyl)phtha... | 21.195 | 149  | 80288    | 0.928 | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 22.837 | 252  | 7402     | 0.022 | ng    | # 64     |
| 38) Benzo(k)fluoranthene      | 22.882 | 252  | 6652     | 0.020 | ng    | # 16     |
| -----                         |        |      |          |       |       |          |

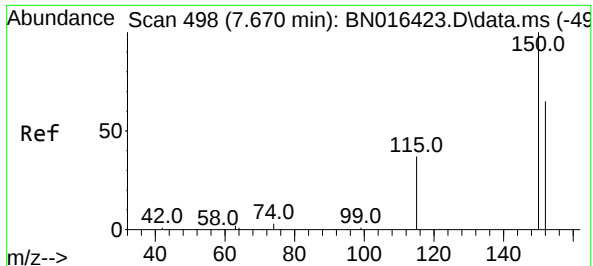
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092421\  
Data File : BN016441.D  
Acq On : 24 Sep 2021 16:45  
Operator : CG/JU  
Sample : M3911-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
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SW-CB-04-(0.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 24 03:35:41 2021  
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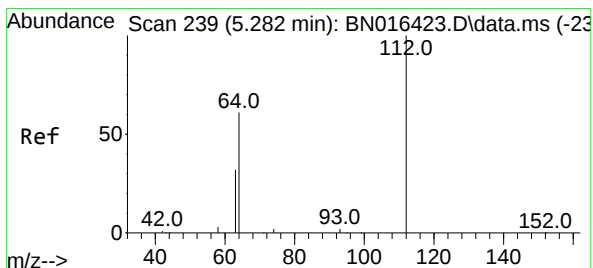
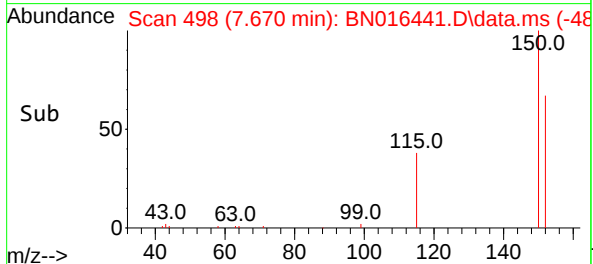
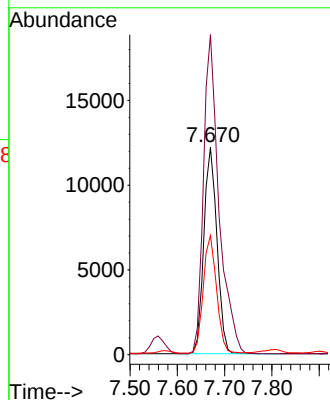
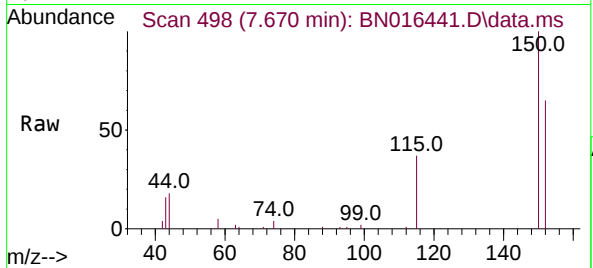




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.670 min Scan# 498  
 Delta R.T. -0.000 min  
 Lab File: BN016441.D  
 Acq: 24 Sep 2021 16:45

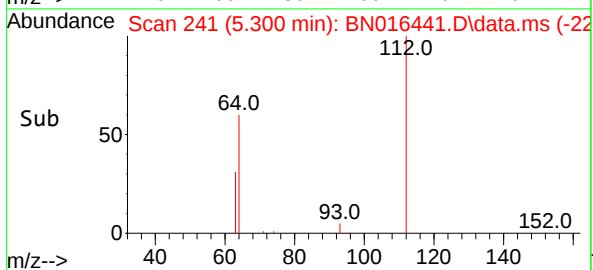
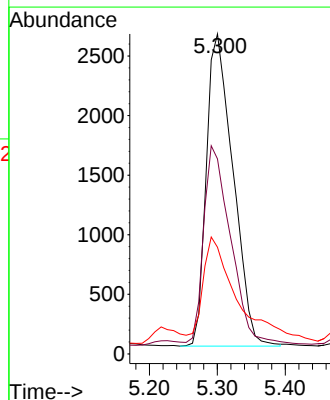
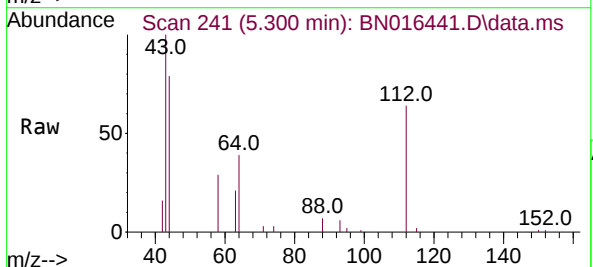
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SW-CB-04-(0.5)

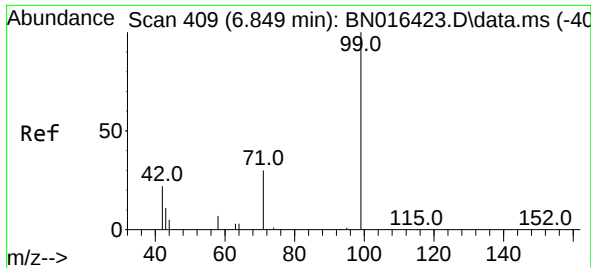
Tgt Ion:152 Resp: 23651  
 Ion Ratio Lower Upper  
 152 100  
 150 154.3 125.6 188.4  
 115 57.5 50.2 75.2



#4  
 2-Fluorophenol  
 Concen: 0.134 ng  
 RT: 5.300 min Scan# 241  
 Delta R.T. 0.019 min  
 Lab File: BN016441.D  
 Acq: 24 Sep 2021 16:45

Tgt Ion:112 Resp: 7136  
 Ion Ratio Lower Upper  
 112 100  
 64 62.6 47.3 70.9  
 63 35.1 23.4 35.0#

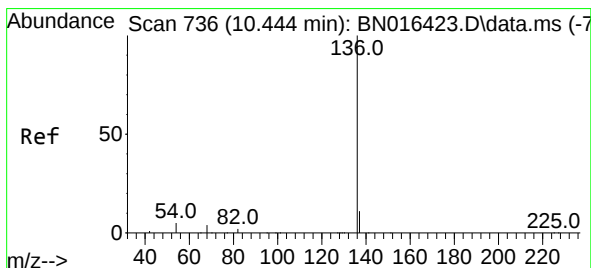
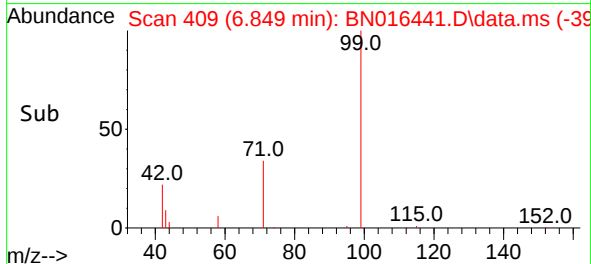
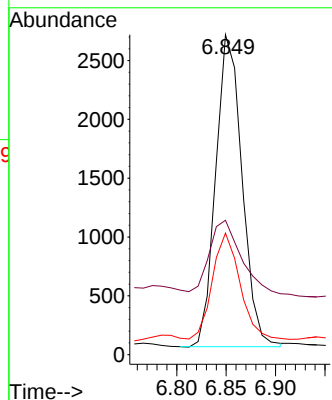
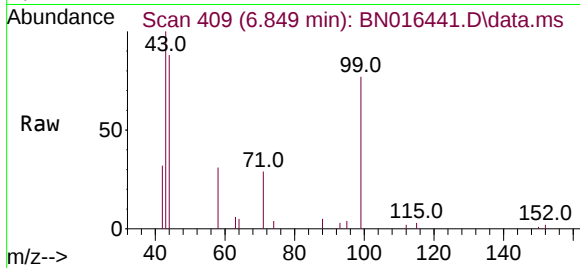




#5  
Phenol-d6  
Concen: 0.078 ng  
RT: 6.849 min Scan# 409  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

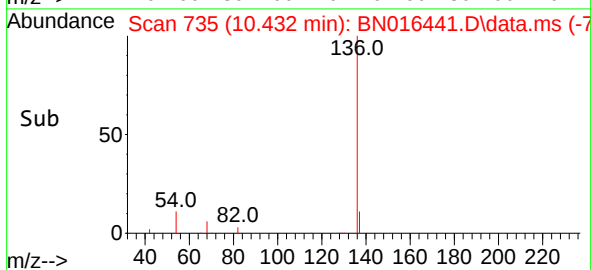
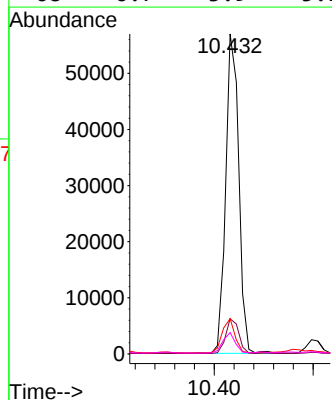
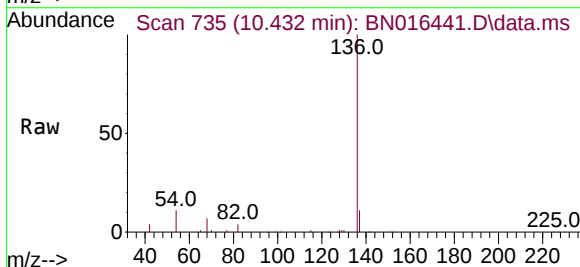
Instrument :  
BNA\_N  
ClientSampleId :  
SW-CB-04-(0.5)

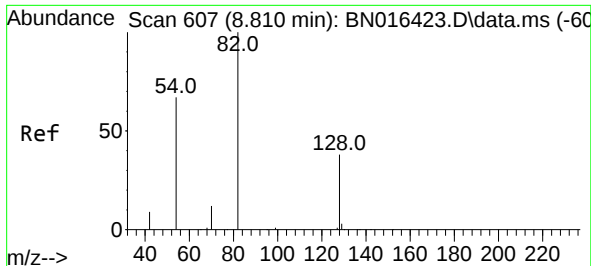
Tgt Ion: 99 Resp: 4909  
Ion Ratio Lower Upper  
99 100  
42 28.5 14.0 21.0#  
71 35.5 23.8 35.6



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.432 min Scan# 735  
Delta R.T. -0.013 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

Tgt Ion:136 Resp: 104416  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 11.1 5.3 7.9#  
68 6.7 3.9 5.9#

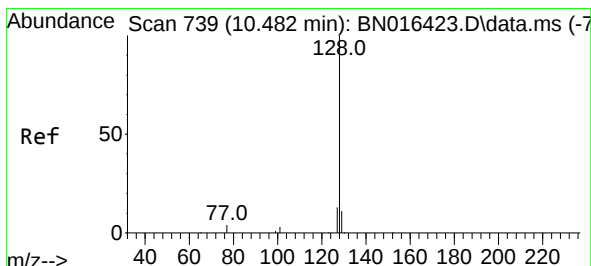
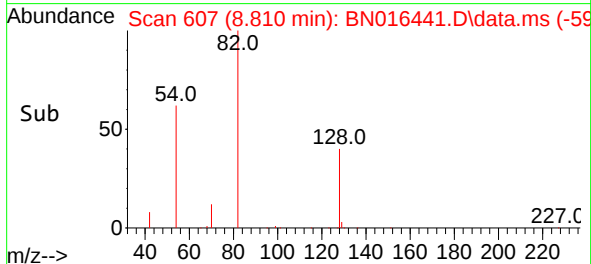
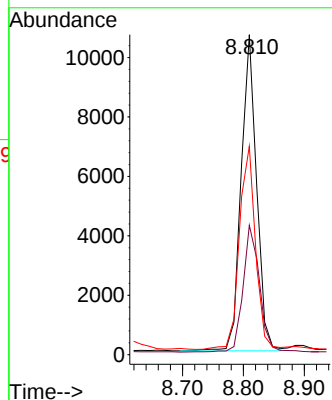
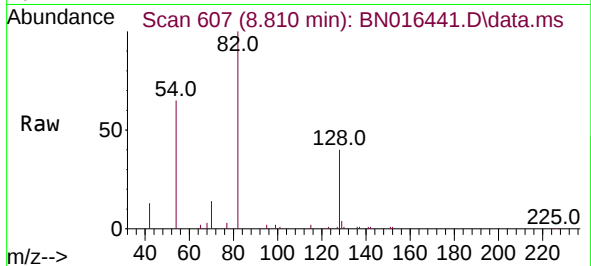




#8  
Nitrobenzene-d5  
Concen: 0.254 ng  
RT: 8.810 min Scan# 607  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

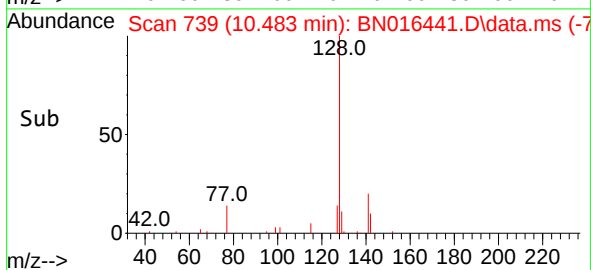
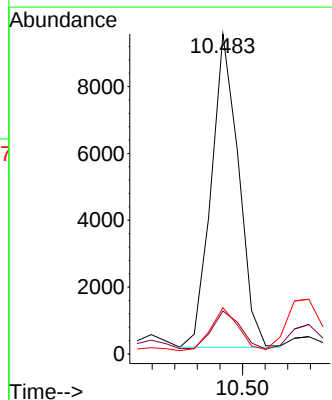
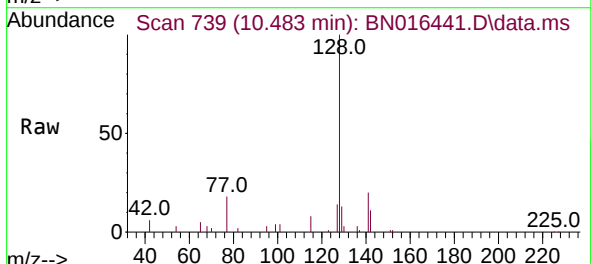
Instrument :  
BNA\_N  
ClientSampleId :  
SW-CB-04-(0.5)

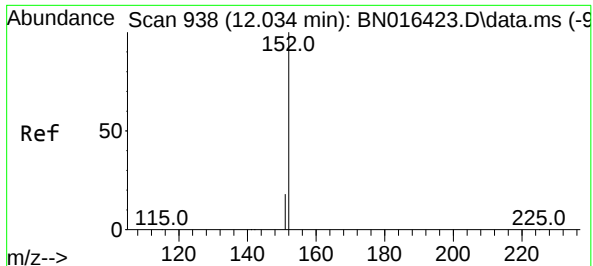
Tgt Ion: 82 Resp: 18797  
Ion Ratio Lower Upper  
82 100  
128 40.5 31.7 47.5  
54 65.2 46.4 69.6



#9  
Naphthalene  
Concen: 0.057 ng  
RT: 10.483 min Scan# 739  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

Tgt Ion: 128 Resp: 15777  
Ion Ratio Lower Upper  
128 100  
129 13.4 8.9 13.3#  
127 14.5 10.1 15.1

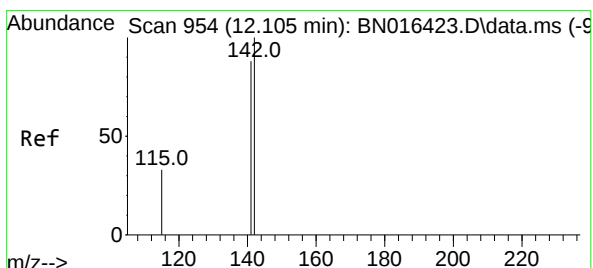
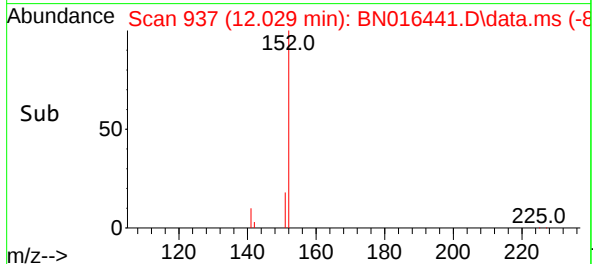
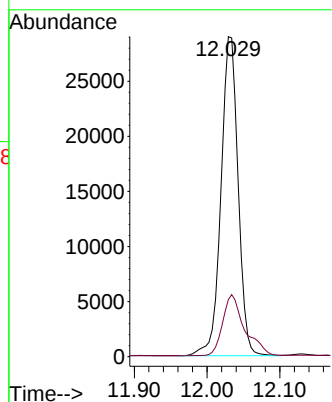
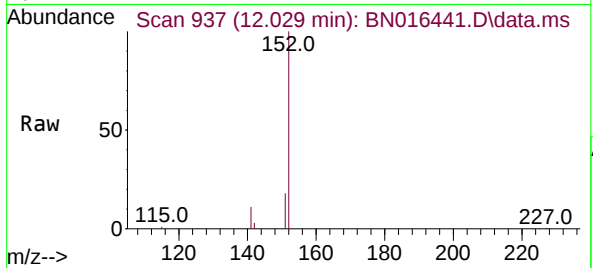




#11  
2-Methylnaphthalene-d10  
Concen: 0.306 ng  
RT: 12.029 min Scan# 937  
Delta R.T. -0.004 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

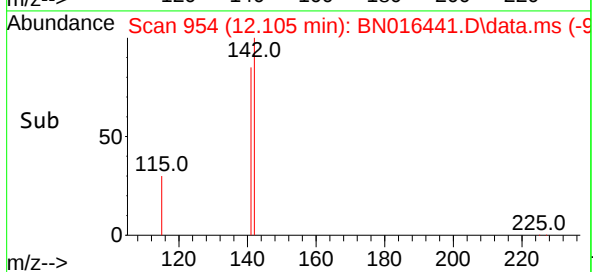
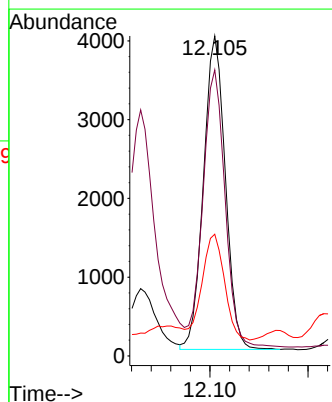
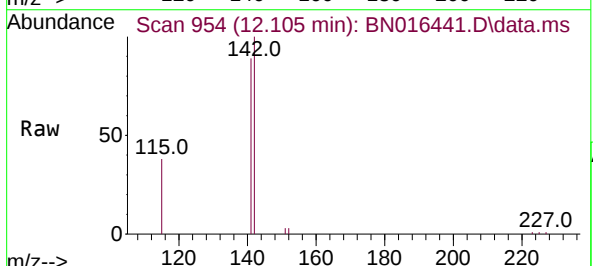
Instrument :  
BNA\_N  
ClientSampleId :  
SW-CB-04-(0.5)

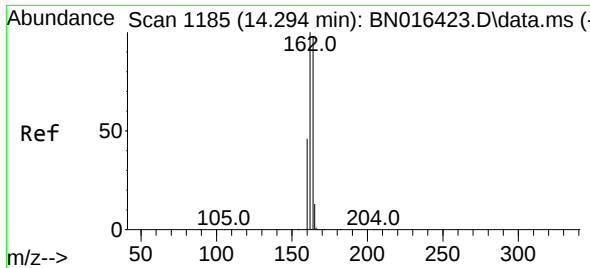
Tgt Ion:152 Resp: 47373  
Ion Ratio Lower Upper  
152 100  
151 24.7 16.1 24.1#



#12  
2-Methylnaphthalene  
Concen: 0.035 ng  
RT: 12.105 min Scan# 954  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

Tgt Ion:142 Resp: 6169  
Ion Ratio Lower Upper  
142 100  
141 89.4 69.8 104.8  
115 38.1 24.4 36.6#

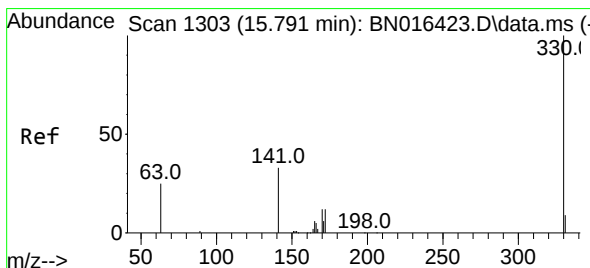
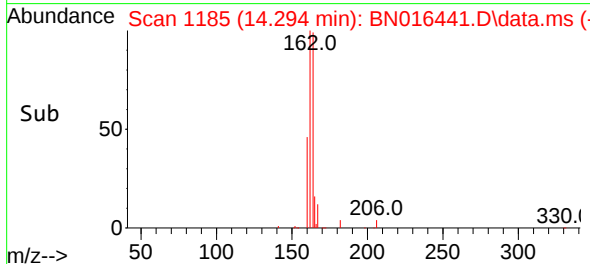
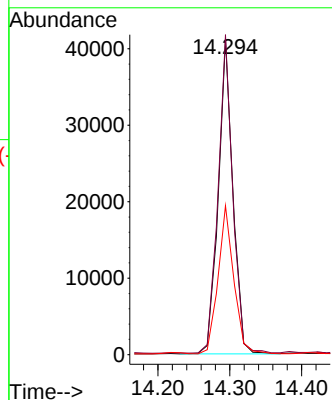
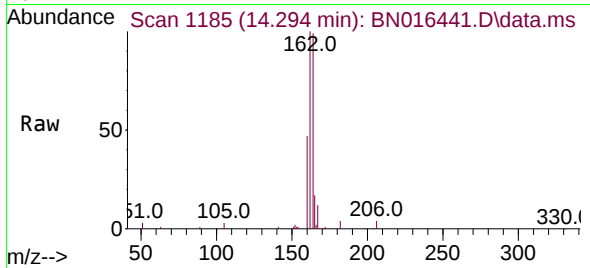




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.294 min Scan# 1185  
Delta R.T. -0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

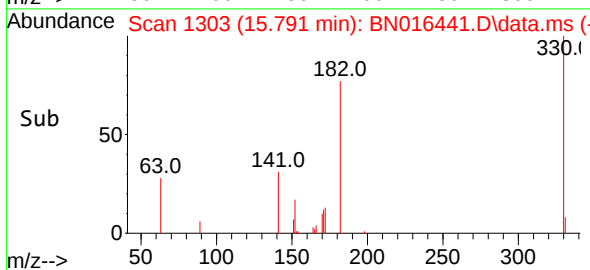
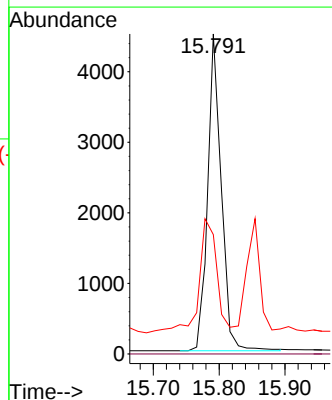
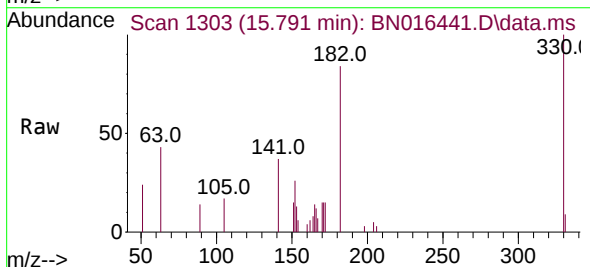
Instrument :  
BNA\_N  
ClientSampleId :  
SW-CB-04-(0.5)

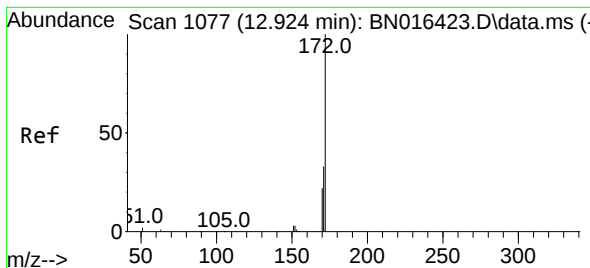
Tgt Ion:164 Resp: 58058  
Ion Ratio Lower Upper  
164 100  
162 101.3 79.0 118.4  
160 47.2 34.1 51.1



#14  
2,4,6-Tribromophenol  
Concen: 0.424 ng  
RT: 15.791 min Scan# 1303  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

Tgt Ion:330 Resp: 6471  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 41.6 25.0 37.4#

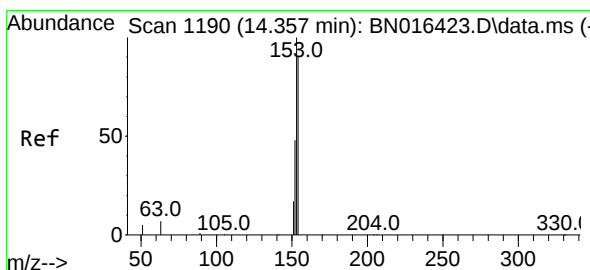
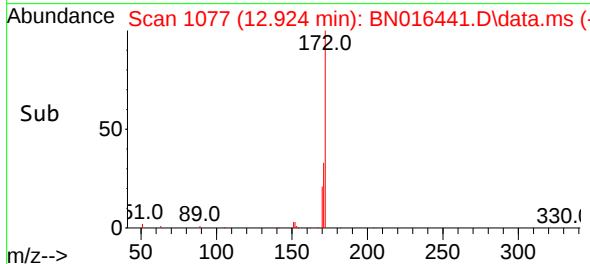
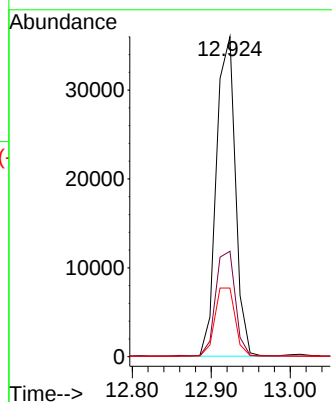
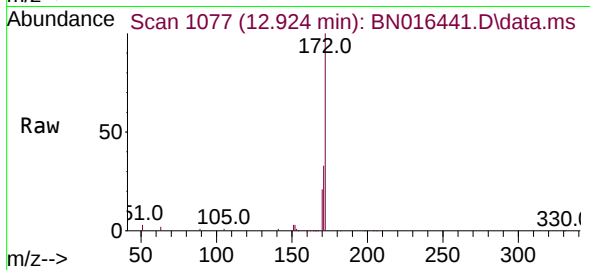




#15  
2-Fluorobiphenyl  
Concen: 0.247 ng  
RT: 12.924 min Scan# 1077  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

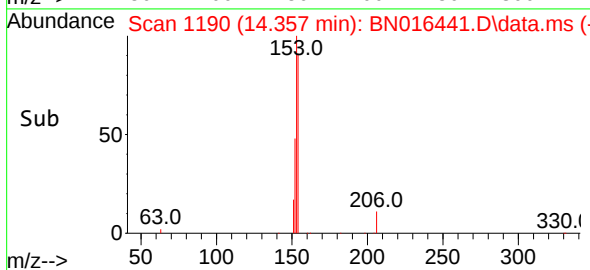
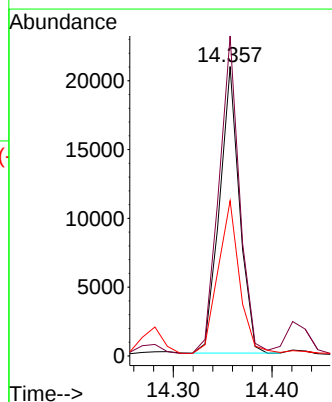
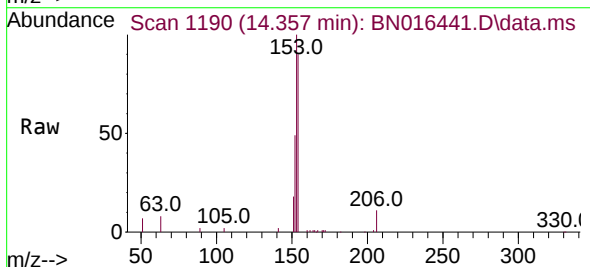
Instrument :  
BNA\_N  
ClientSampleId :  
SW-CB-04-(0.5)

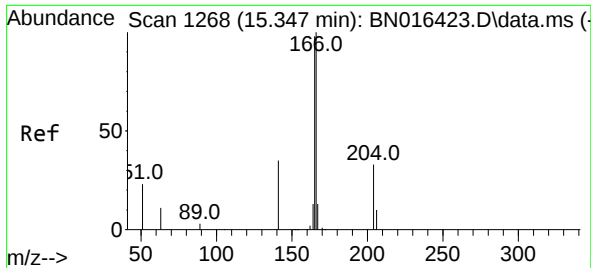
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Ion Ratio Lower Upper  
172 100  
171 32.9 27.8 41.6  
170 21.4 18.2 27.2



#17  
Acenaphthene  
Concen: 0.174 ng  
RT: 14.357 min Scan# 1190  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

Tgt Ion:154 Resp: 29260  
Ion Ratio Lower Upper  
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153 114.4 89.3 133.9  
152 58.6 42.2 63.4

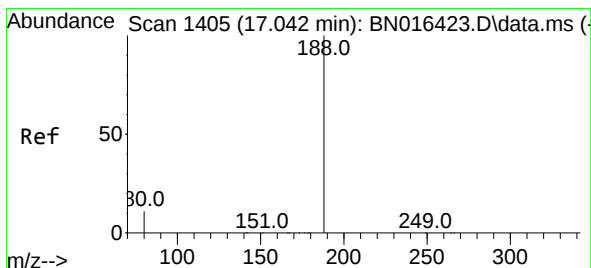
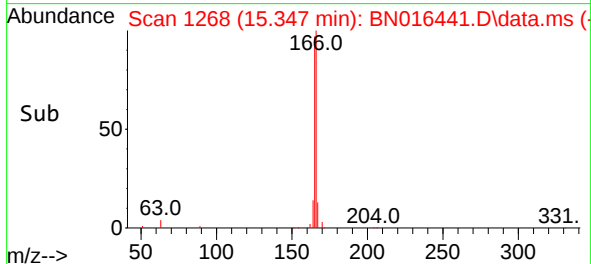
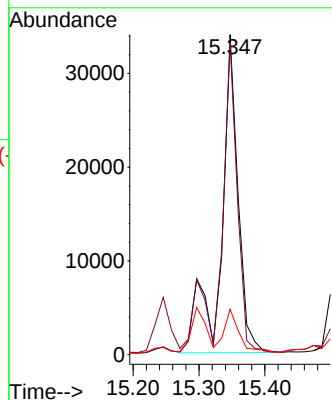
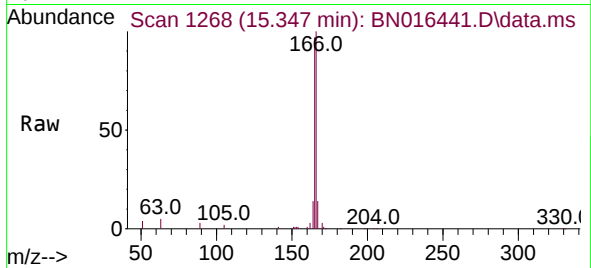




#18  
Fluorene  
Concen: 0.306 ng  
RT: 15.347 min Scan# 1268  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

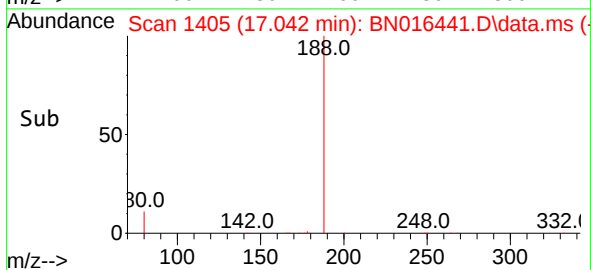
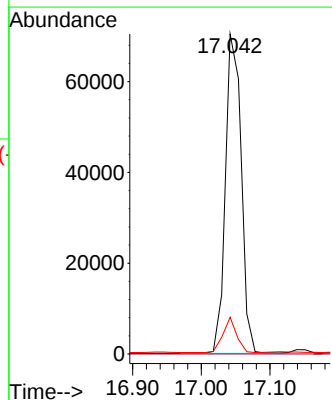
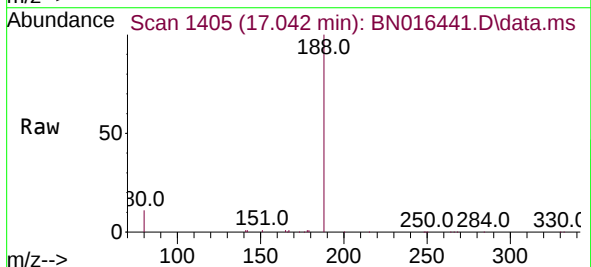
Instrument :  
BNA\_N  
ClientSampleId :  
SW-CB-04-(0.5)

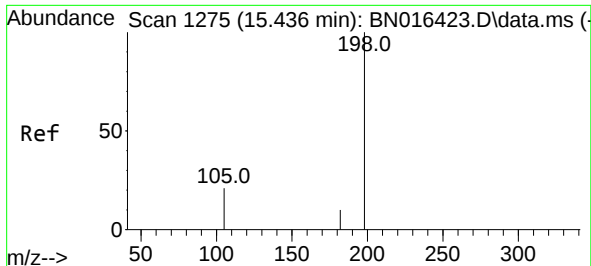
Tgt Ion:166 Resp: 61540  
Ion Ratio Lower Upper  
166 100  
165 93.7 76.7 115.1  
167 11.8 10.9 16.3



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.042 min Scan# 1405  
Delta R.T. -0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

Tgt Ion:188 Resp: 112185  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.5 7.0 10.6#

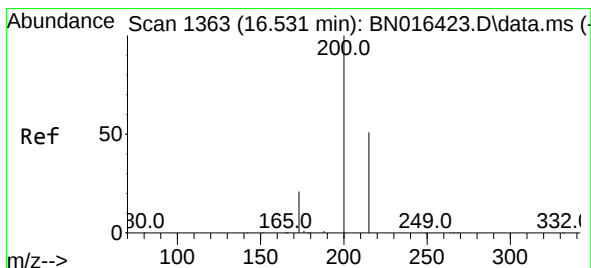
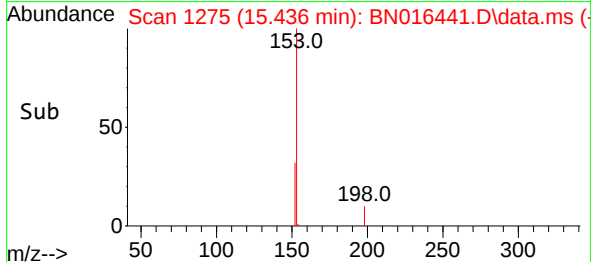
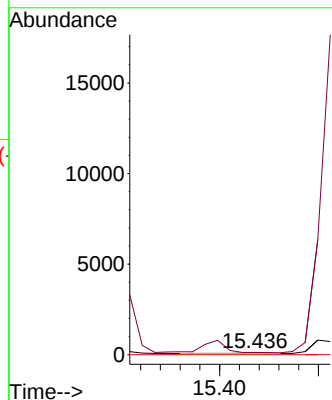
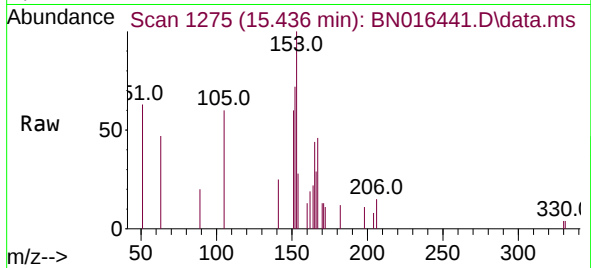




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.154 ng  
RT: 15.436 min Scan# 1275  
Delta R.T. -0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

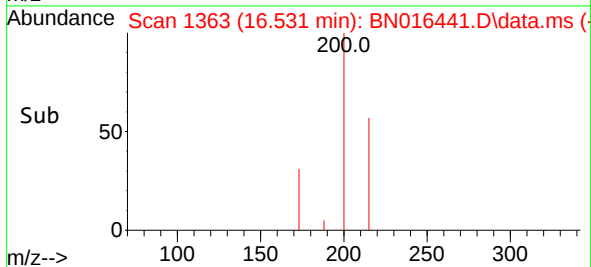
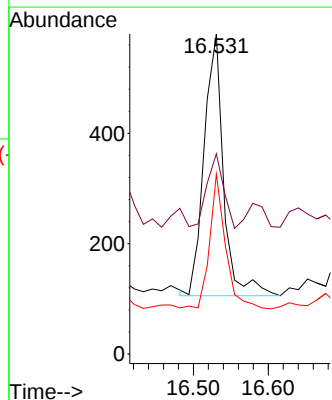
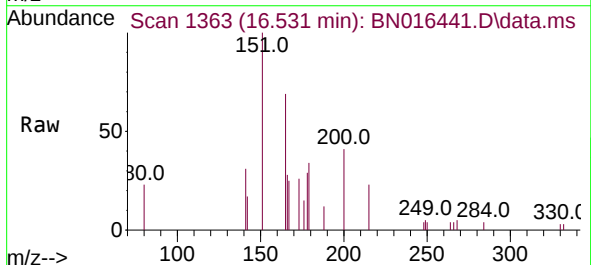
Instrument :  
BNA\_N  
ClientSampleId :  
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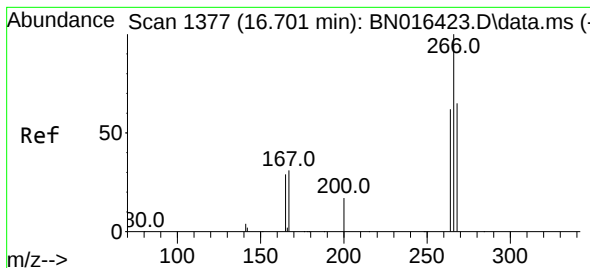
Tgt Ion:198 Resp: 90  
Ion Ratio Lower Upper  
198 100  
182 106.9 26.6 39.8#  
77 0.0 0.0 0.0



#23  
Atrazine  
Concen: 0.149 ng  
RT: 16.531 min Scan# 1363  
Delta R.T. -0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

Tgt Ion:200 Resp: 849  
Ion Ratio Lower Upper  
200 100  
173 62.6 18.7 28.1#  
215 56.2 41.6 62.4

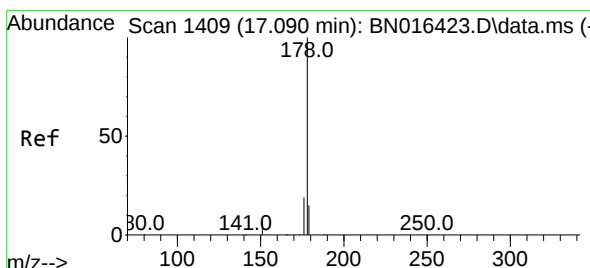
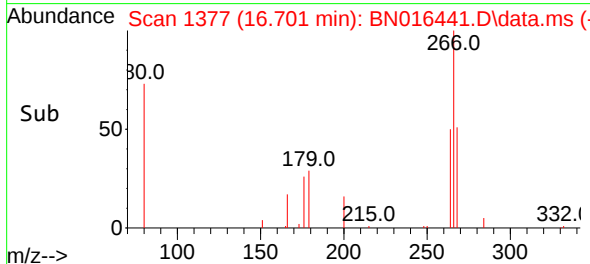
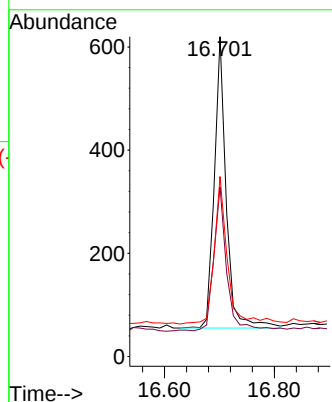
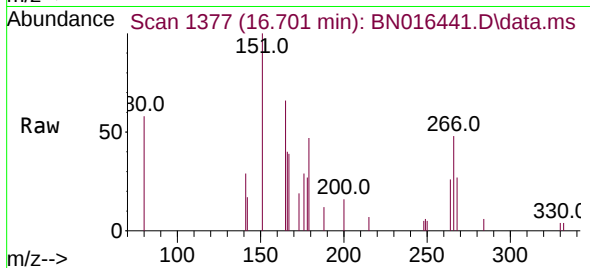




#24  
Pentachlorophenol  
Concen: 0.270 ng  
RT: 16.701 min Scan# 1377  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

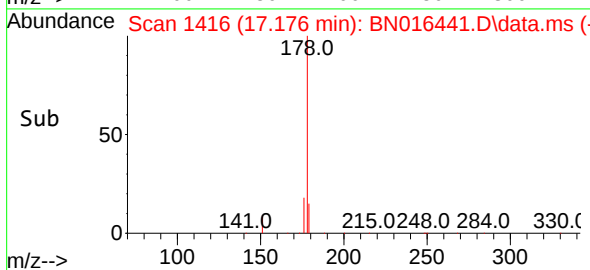
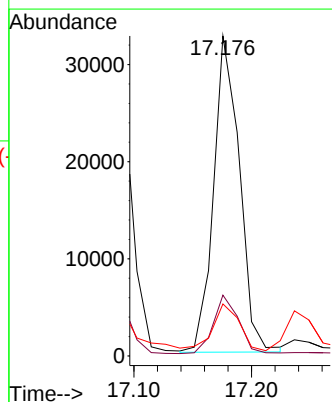
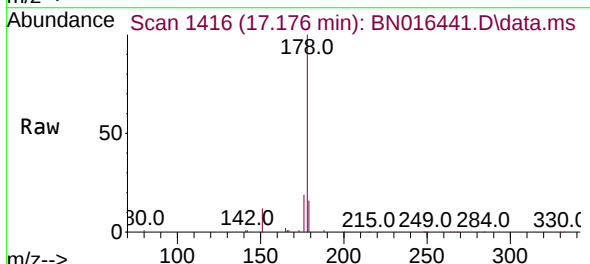
Instrument :  
BNA\_N  
ClientSampleId :  
SW-CB-04-(0.5)

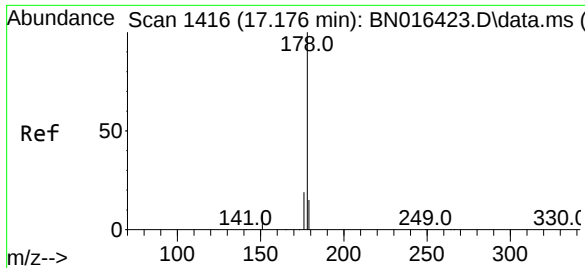
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 850   |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 52.0  | 50.6  | 75.8  |
| 268      | 56.4  | 52.6  | 79.0  |



#25  
Phenanthrene  
Concen: 0.149 ng  
RT: 17.176 min Scan# 1416  
Delta R.T. 0.085 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 49834 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 17.9  | 14.4  | 21.6  |
| 179      | 15.3  | 12.2  | 18.4  |

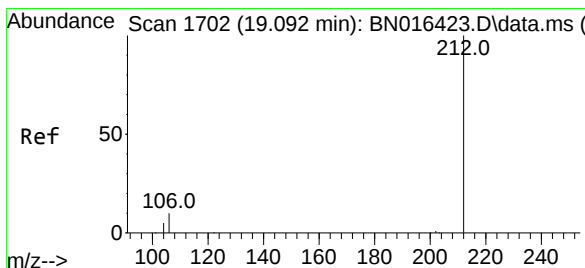
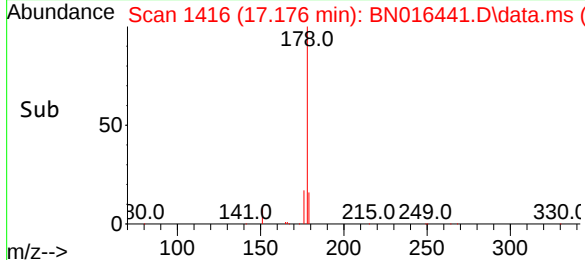
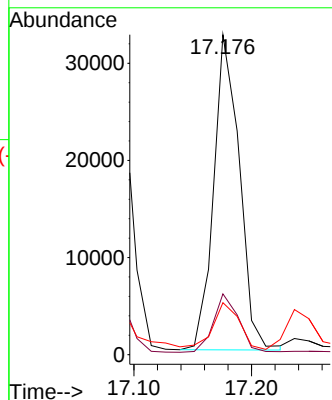
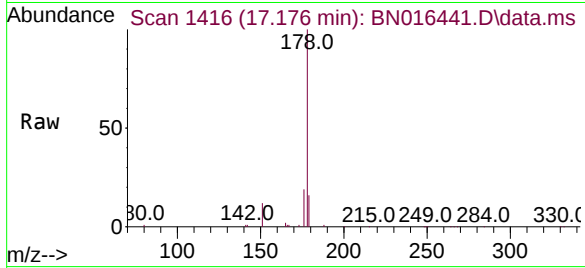




#26  
 Anthracene  
 Concen: 0.177 ng  
 RT: 17.176 min Scan# 1416  
 Delta R.T. 0.000 min  
 Lab File: BN016441.D  
 Acq: 24 Sep 2021 16:45

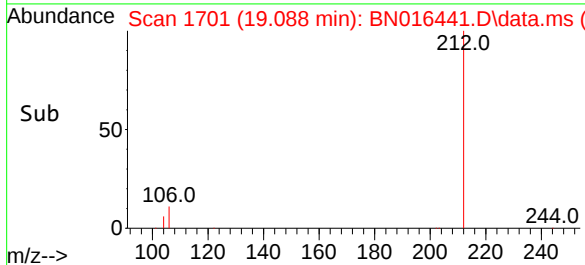
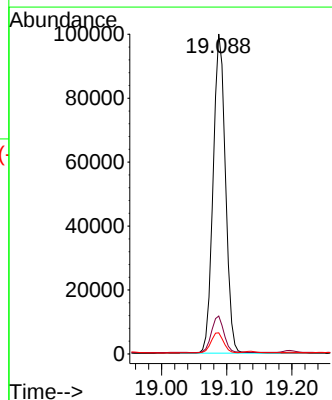
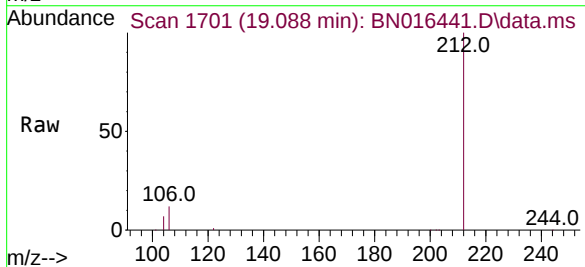
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SW-CB-04-(0.5)

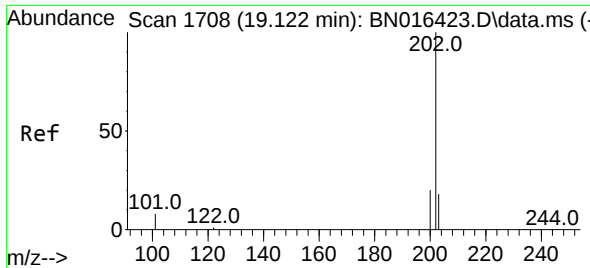
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 49284     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.1  | 13.9 20.9 |
| 179         | 15.3  | 12.2 18.4 |



#27  
 Fluoranthene-d10  
 Concen: 0.427 ng  
 RT: 19.088 min Scan# 1701  
 Delta R.T. -0.005 min  
 Lab File: BN016441.D  
 Acq: 24 Sep 2021 16:45

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:212 | Resp: | 131354   |
| Ion Ratio   | Lower | Upper    |
| 212         | 100   |          |
| 106         | 11.5  | 9.8 14.6 |
| 104         | 6.4   | 5.4 8.2  |

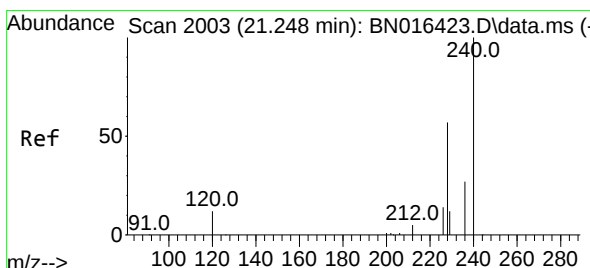
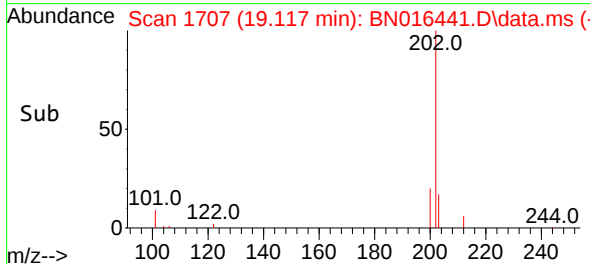
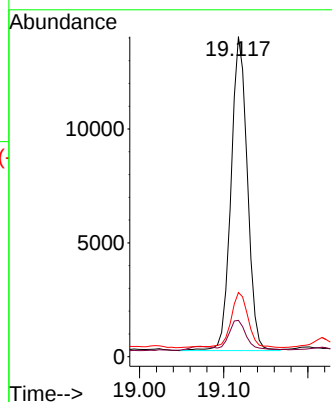
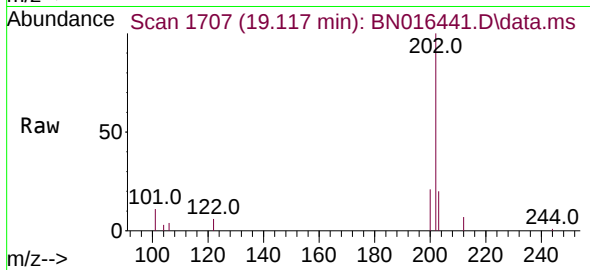




#28  
Fluoranthene  
Concen: 0.051 ng  
RT: 19.117 min Scan# 1707  
Delta R.T. -0.005 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

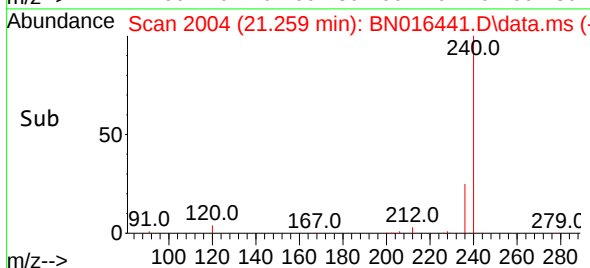
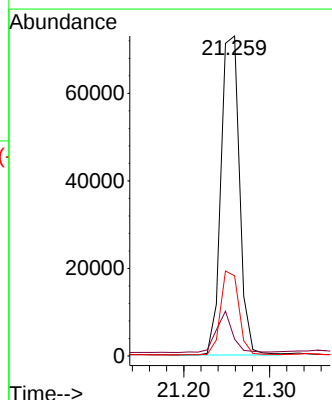
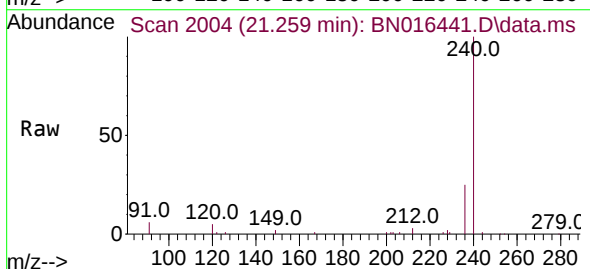
Instrument :  
BNA\_N  
ClientSampleId :  
SW-CB-04-(0.5)

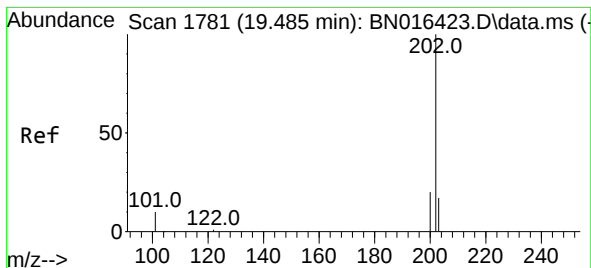
Tgt Ion:202 Resp: 18590  
Ion Ratio Lower Upper  
202 100  
101 10.0 8.5 12.7  
203 18.8 13.8 20.8



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.259 min Scan# 2004  
Delta R.T. 0.011 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

Tgt Ion:240 Resp: 109470  
Ion Ratio Lower Upper  
240 100  
120 5.3 5.3 7.9#  
236 25.1 19.8 29.8





#30

Pyrene

Concen: 0.044 ng

RT: 19.480 min Scan# 1780

Delta R.T. -0.005 min

Lab File: BN016441.D

Acq: 24 Sep 2021 16:45

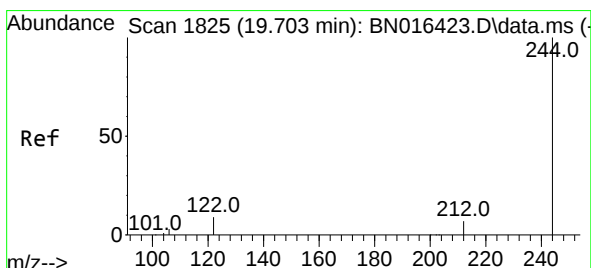
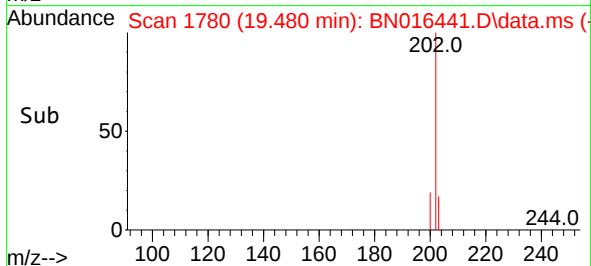
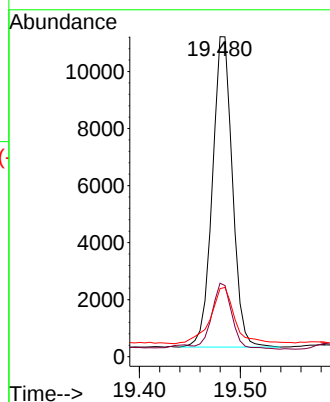
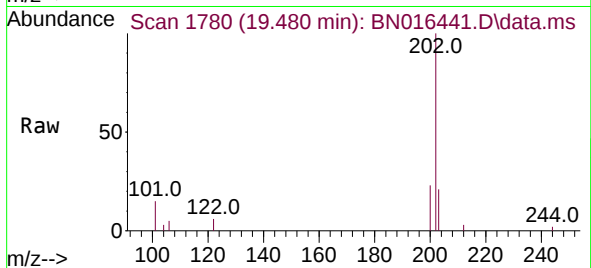
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:202 | Resp: | 15029      |
| Ion Ratio   | Lower | Upper      |
| 202         | 100   |            |
| 200         | 21.3  | 15.8 23.6  |
| 203         | 22.3  | 13.9 20.9# |

Instrument :

BNA\_N

ClientSampleId :

SW-CB-04-(0.5)



#31

Terphenyl-d14

Concen: 0.427 ng

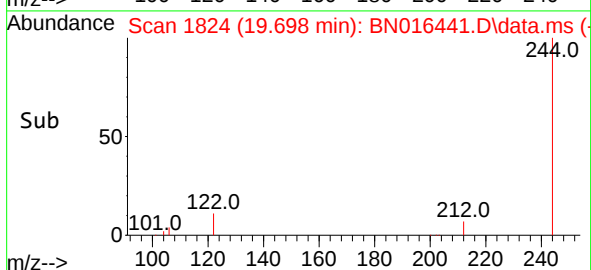
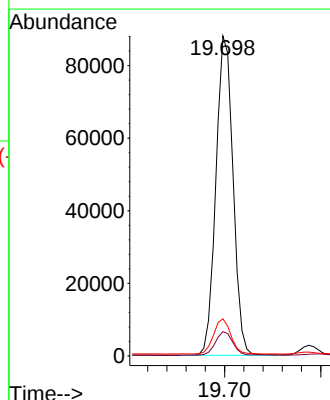
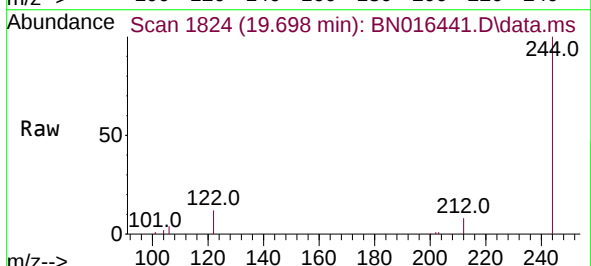
RT: 19.698 min Scan# 1824

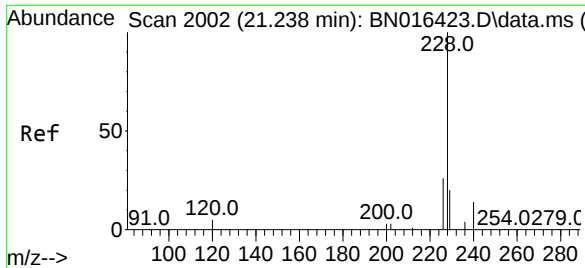
Delta R.T. -0.005 min

Lab File: BN016441.D

Acq: 24 Sep 2021 16:45

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:244 | Resp: | 108570   |
| Ion Ratio   | Lower | Upper    |
| 244         | 100   |          |
| 212         | 7.6   | 5.5 8.3  |
| 122         | 11.6  | 9.0 13.4 |

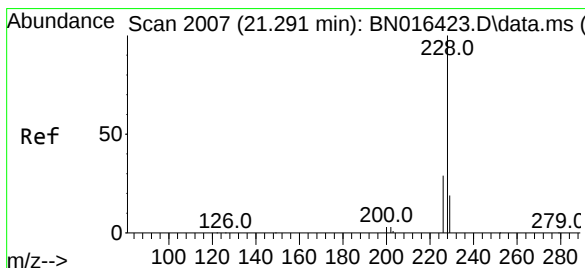
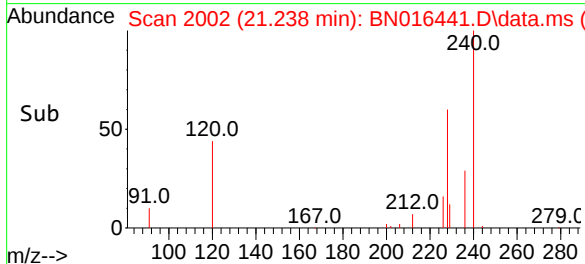
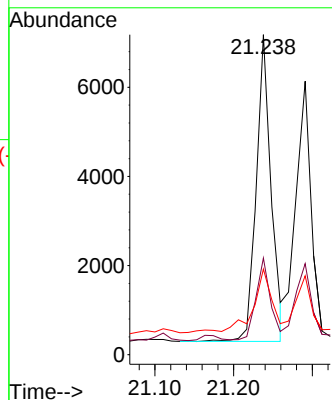
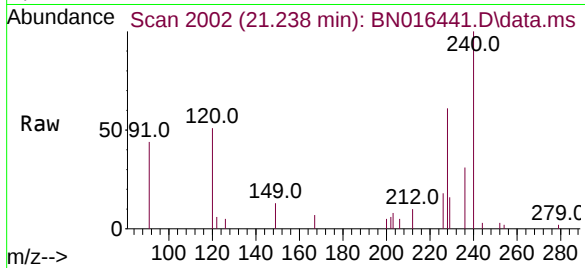




#32  
Benzo(a)anthracene  
Concen: 0.028 ng  
RT: 21.238 min Scan# 2002  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

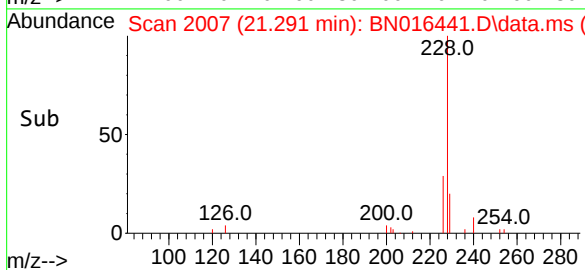
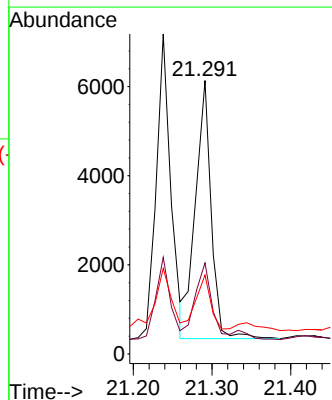
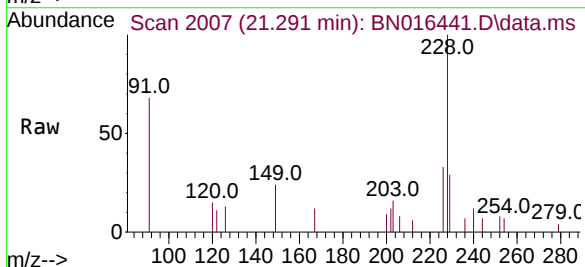
Instrument :  
BNA\_N  
ClientSampleId :  
SW-CB-04-(0.5)

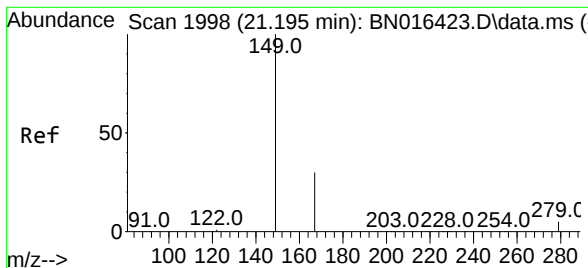
Tgt Ion:228 Resp: 9003  
Ion Ratio Lower Upper  
228 100  
226 30.2 20.8 31.2  
229 26.8 15.8 23.6#



#33  
Chrysene  
Concen: 0.024 ng  
RT: 21.291 min Scan# 2007  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

Tgt Ion:228 Resp: 8094  
Ion Ratio Lower Upper  
228 100  
226 33.3 23.0 34.4  
229 28.9 15.6 23.4#

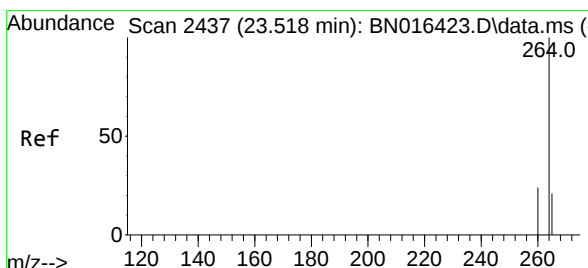
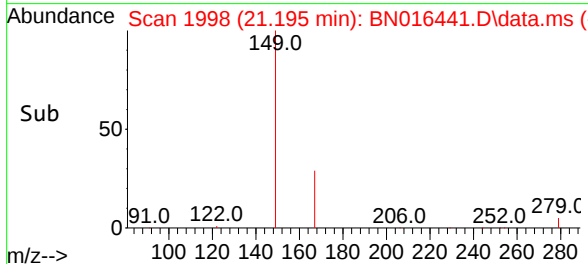
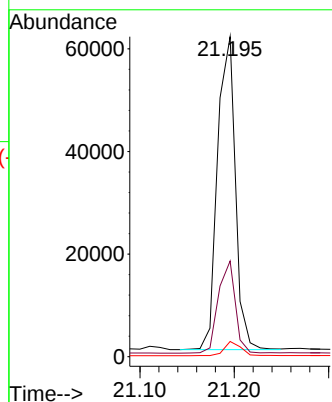
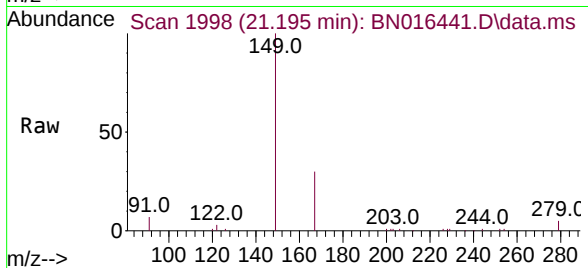




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.928 ng  
RT: 21.195 min Scan# 1998  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

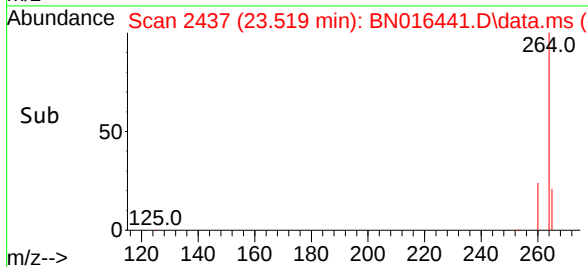
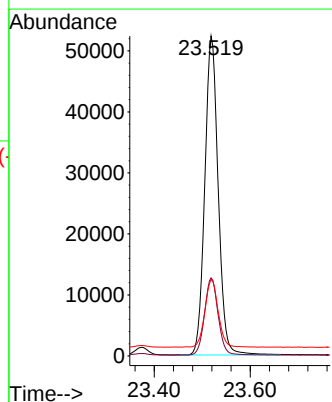
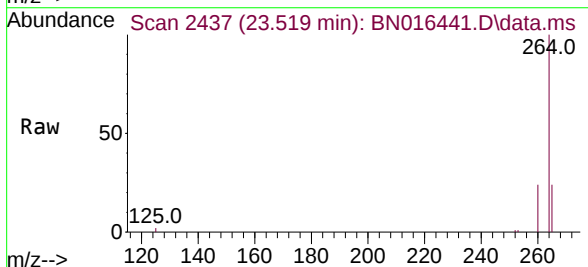
Instrument :  
BNA\_N  
ClientSampleId :  
SW-CB-04-(0.5)

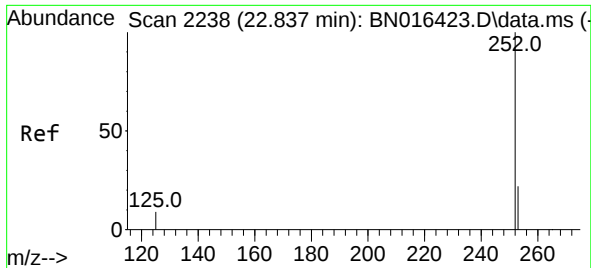
Tgt Ion:149 Resp: 80288  
Ion Ratio Lower Upper  
149 100  
167 28.0 23.4 35.0  
279 4.2 3.9 5.9



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.519 min Scan# 2437  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

Tgt Ion:264 Resp: 101310  
Ion Ratio Lower Upper  
264 100  
260 24.4 18.9 28.3  
265 23.9 23.7 35.5

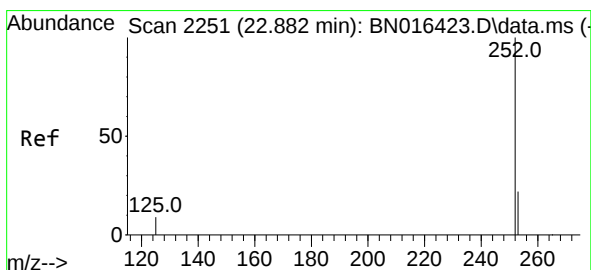
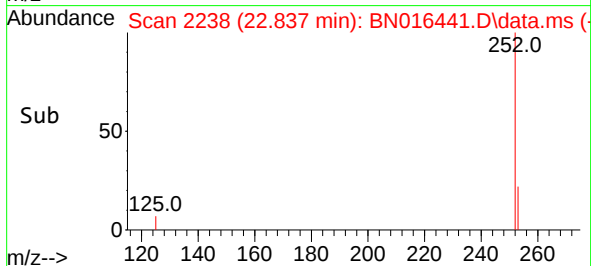
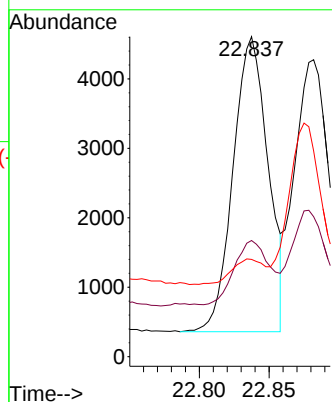
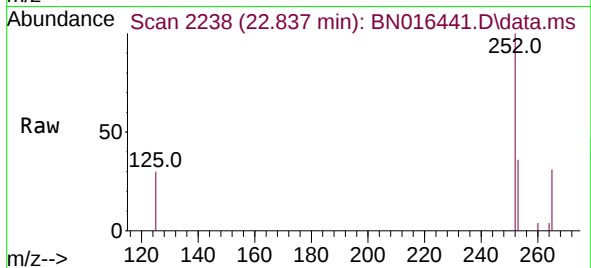




#37  
Benzo(b)fluoranthene  
Concen: 0.022 ng  
RT: 22.837 min Scan# 2238  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

Instrument :  
BNA\_N  
ClientSampleId :  
SW-CB-04-(0.5)

Tgt Ion:252 Resp: 7402  
Ion Ratio Lower Upper  
252 100  
253 36.3 18.2 27.2#  
125 30.4 8.4 12.6#



#38  
Benzo(k)fluoranthene  
Concen: 0.020 ng  
RT: 22.882 min Scan# 2251  
Delta R.T. 0.000 min  
Lab File: BN016441.D  
Acq: 24 Sep 2021 16:45

Tgt Ion:252 Resp: 6652  
Ion Ratio Lower Upper  
252 100  
253 47.2 18.2 27.2#  
125 69.3 8.2 12.4#

