

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN020222\  
 Data File : BN018545.D  
 Acq On : 02 Feb 2022 12:22  
 Operator : CG/JU  
 Sample : SST0.839  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SST0.8239

Quant Time: Feb 02 13:45:09 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN020222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 02 13:41:15 2022  
 Response via : Initial Calibration

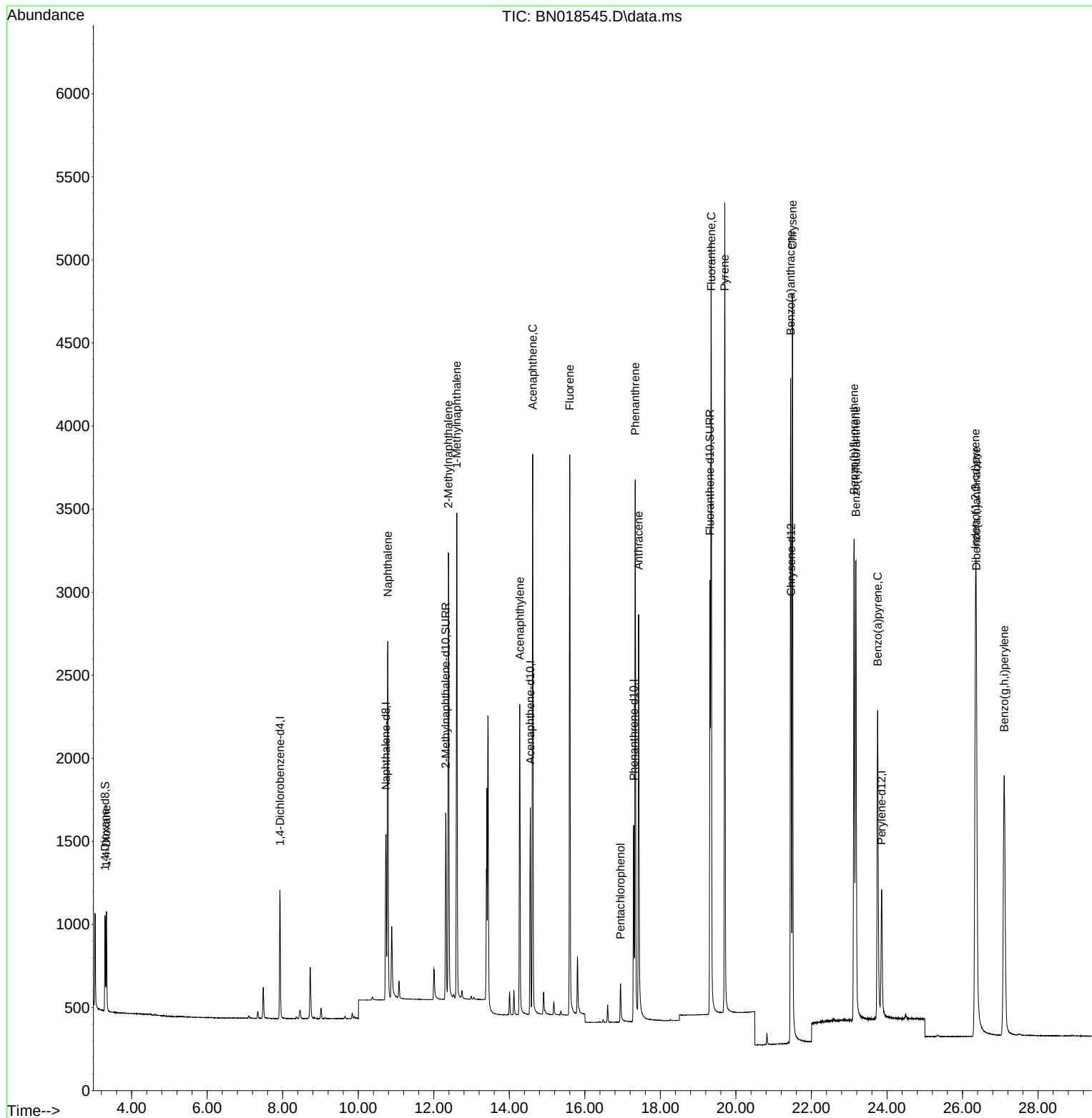
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.927  | 152  | 397      | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.734 | 136  | 1379     | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.558 | 164  | 726      | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.294 | 188  | 1429     | 0.400 | ng/ul # | 0.00     |
| 17) Chrysene-d12            | 21.462 | 240  | 1324     | 0.400 | ng/ul # | 0.00     |
| 23) Perylene-d12            | 23.856 | 264  | 1112     | 0.400 | ng/ul # | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.295  | 96   | 365      | 0.798 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.317 | 152  | 1505     | 0.809 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.314 | 212  | 2947     | 0.797 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 2) 1,4-Dioxane              | 3.333  | 88   | 394      | 0.820 | ng/ul#  | 76       |
| 5) Naphthalene              | 10.783 | 128  | 3022     | 0.796 | ng/ul   | 97       |
| 7) 2-Methylnaphthalene      | 12.389 | 142  | 1962     | 0.814 | ng/ul   | 100      |
| 8) 1-Methylnaphthalene      | 12.609 | 142  | 1992     | 0.808 | ng/ul   | 100      |
| 10) Acenaphthylene          | 14.276 | 152  | 2262     | 0.749 | ng/ul   | 95       |
| 11) Acenaphthene            | 14.618 | 153  | 1990     | 0.793 | ng/ul   | 99       |
| 12) Fluorene                | 15.599 | 166  | 2229     | 0.830 | ng/ul   | 98       |
| 14) Pentachlorophenol       | 16.943 | 266  | 194      | 1.528 | ng/ul   | 99       |
| 15) Phenanthrene            | 17.336 | 178  | 3667     | 0.796 | ng/ul   | 97       |
| 16) Anthracene              | 17.425 | 178  | 3010     | 0.792 | ng/ul   | 96       |
| 19) Fluoranthene            | 19.347 | 202  | 4172     | 0.816 | ng/ul#  | 91       |
| 20) Pyrene                  | 19.705 | 202  | 4183     | 0.796 | ng/ul#  | 89       |
| 21) Benzo(a)anthracene      | 21.447 | 228  | 3303     | 0.758 | ng/ul   | 98       |
| 22) Chrysene                | 21.500 | 228  | 4048     | 0.806 | ng/ul   | 98       |
| 24) Benzo(b)fluoranthene    | 23.128 | 252  | 3891     | 0.839 | ng/ul   | 94       |
| 25) Benzo(k)fluoranthene    | 23.178 | 252  | 4085     | 0.840 | ng/ul#  | 94       |
| 26) Benzo(a)pyrene          | 23.753 | 252  | 3134     | 0.813 | ng/ul#  | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.343 | 276  | 4195     | 0.835 | ng/ul#  | 80       |
| 28) Dibenzo(a,h)anthracene  | 26.366 | 278  | 3303     | 0.837 | ng/ul#  | 89       |
| 29) Benzo(g,h,i)perylene    | 27.104 | 276  | 3666     | 0.838 | ng/ul#  | 87       |
| -----                       |        |      |          |       |         |          |

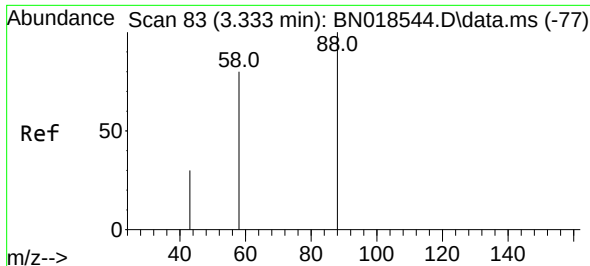
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN020222\  
Data File : BN018545.D  
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Sample : SST0.839  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN020222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 02 13:41:15 2022  
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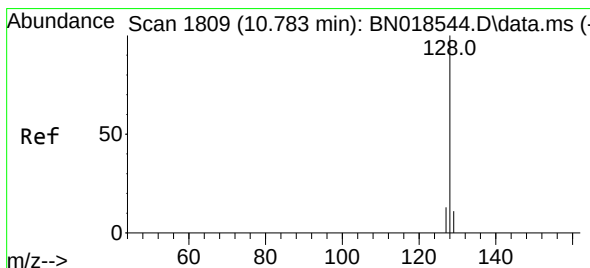
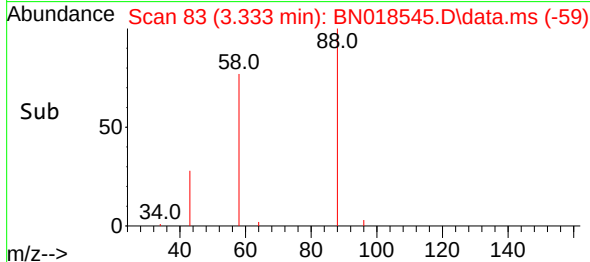
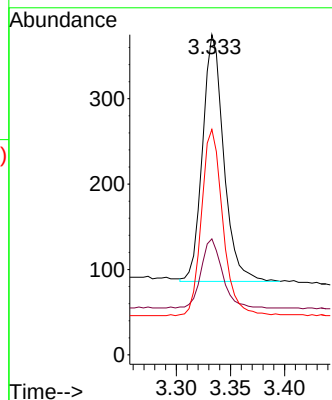
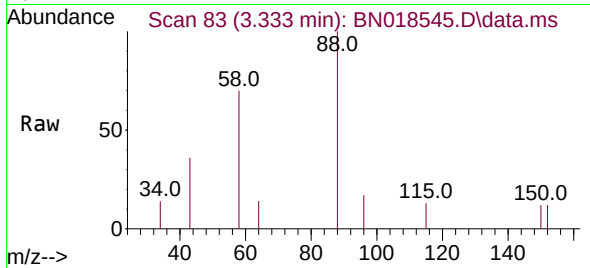




#2  
1,4-Dioxane  
Concen: 0.820 ng/ul  
RT: 3.333 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

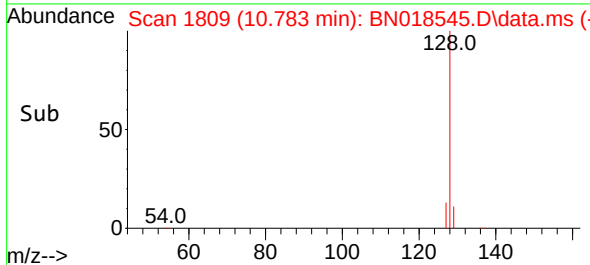
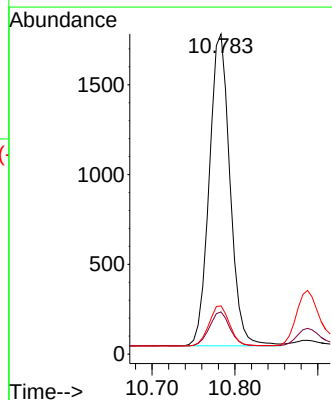
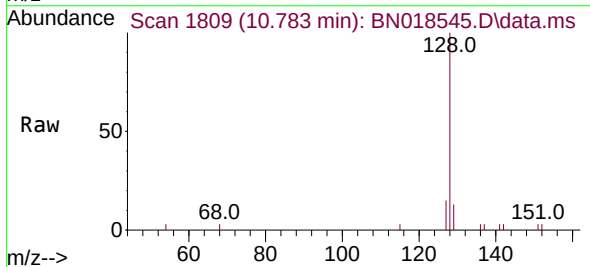
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.8239

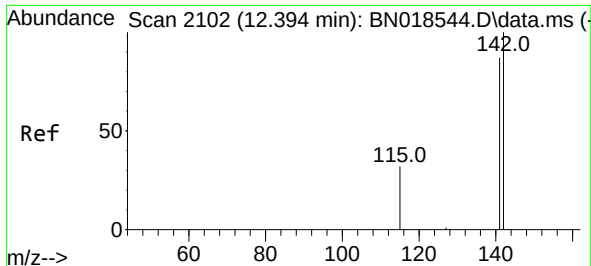
Tgt Ion: 88 Resp: 394  
Ion Ratio Lower Upper  
88 100  
43 36.3 47.8 71.8#  
58 70.4 46.2 69.2#



#5  
Naphthalene  
Concen: 0.796 ng/ul  
RT: 10.783 min Scan# 1809  
Delta R.T. 0.000 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

Tgt Ion: 128 Resp: 3022  
Ion Ratio Lower Upper  
128 100  
129 13.2 9.4 14.0  
127 15.1 11.0 16.6

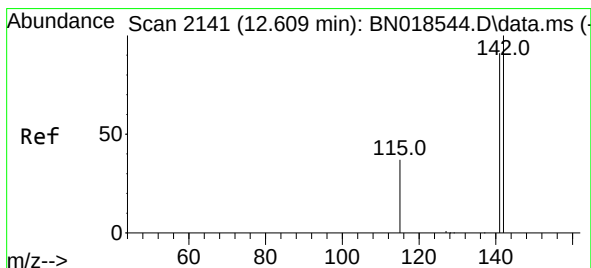
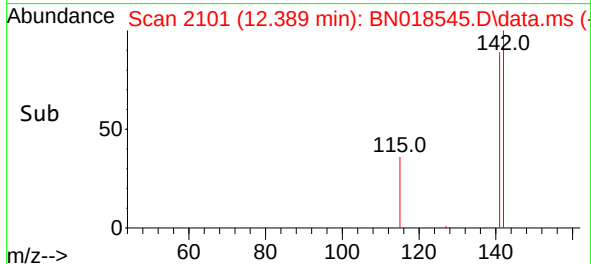
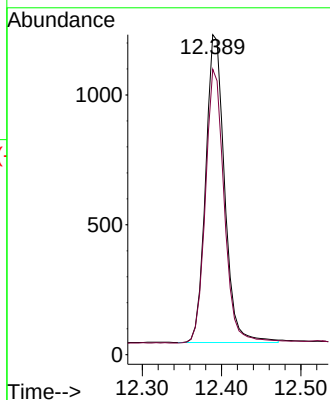
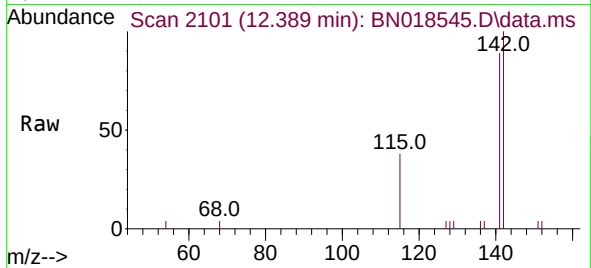




#7  
2-Methylnaphthalene  
Concen: 0.814 ng/ul  
RT: 12.389 min Scan# 2101  
Delta R.T. -0.005 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

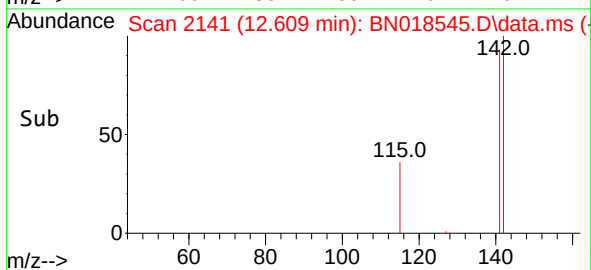
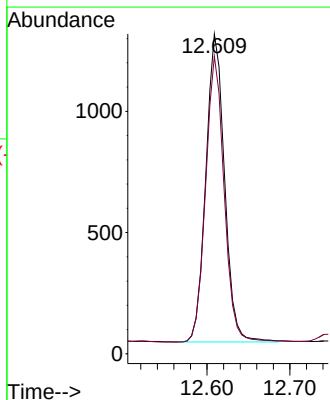
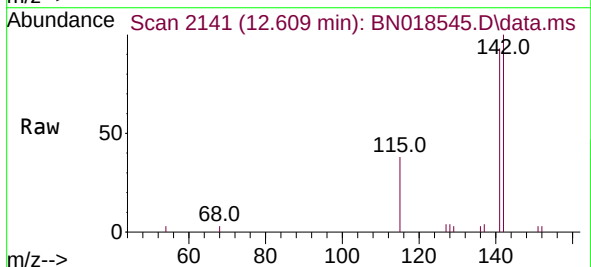
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.8239

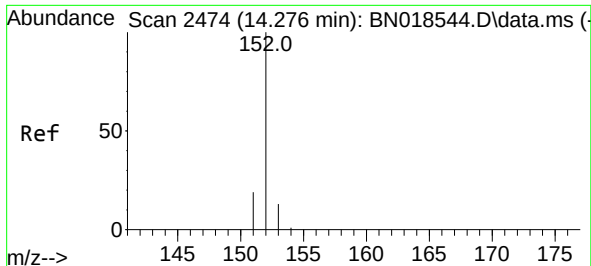
Tgt Ion:142 Resp: 1962  
Ion Ratio Lower Upper  
142 100  
141 88.5 70.9 106.3



#8  
1-Methylnaphthalene  
Concen: 0.808 ng/ul  
RT: 12.609 min Scan# 2141  
Delta R.T. 0.000 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

Tgt Ion:142 Resp: 1992  
Ion Ratio Lower Upper  
142 100  
141 91.7 73.2 109.8

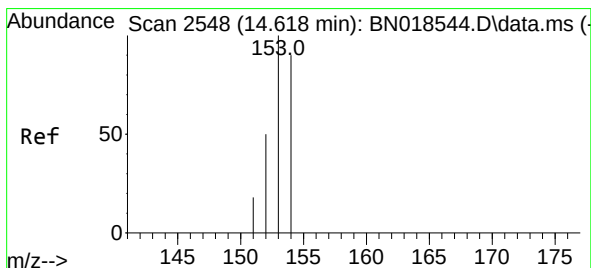
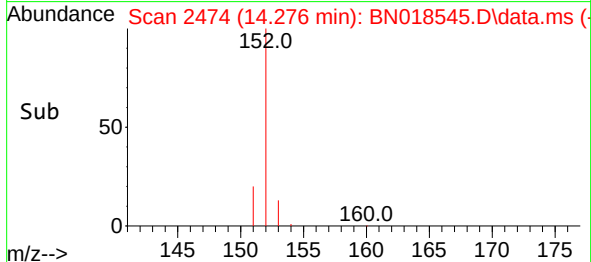
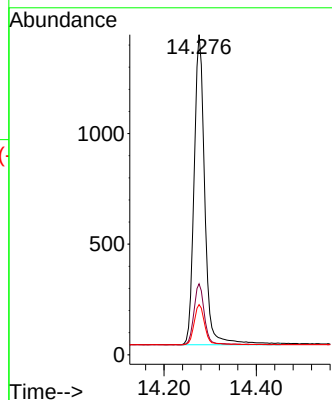
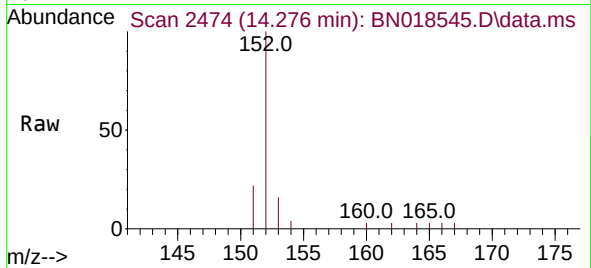




#10  
Acenaphthylene  
Concen: 0.749 ng/ul  
RT: 14.276 min Scan# 2474  
Delta R.T. 0.000 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

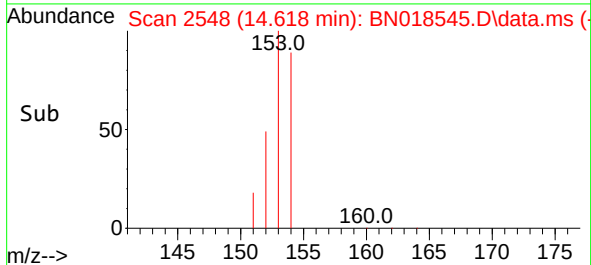
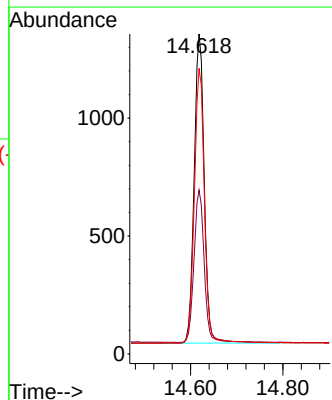
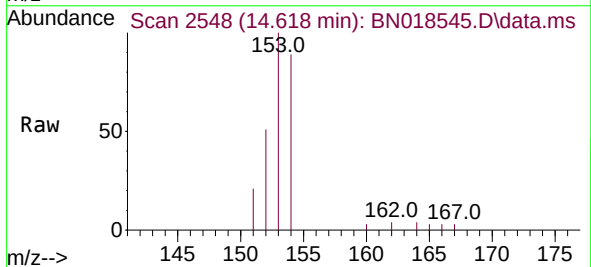
Instrument :  
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ClientSampleId :  
SSTD0.8239

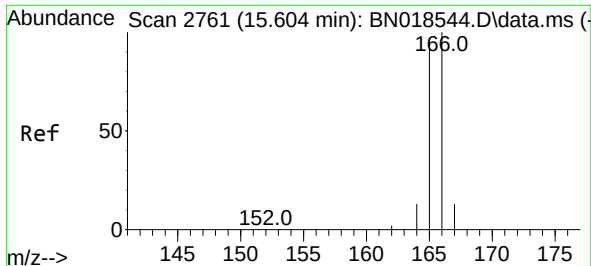
Tgt Ion:152 Resp: 2262  
Ion Ratio Lower Upper  
152 100  
151 22.2 15.8 23.8  
153 15.7 10.7 16.1



#11  
Acenaphthene  
Concen: 0.793 ng/ul  
RT: 14.618 min Scan# 2548  
Delta R.T. 0.000 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

Tgt Ion:153 Resp: 1990  
Ion Ratio Lower Upper  
153 100  
152 51.2 39.7 59.5  
154 89.2 70.9 106.3

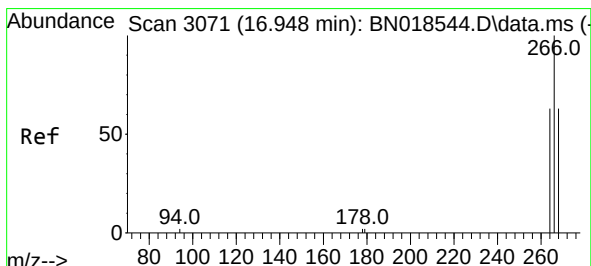
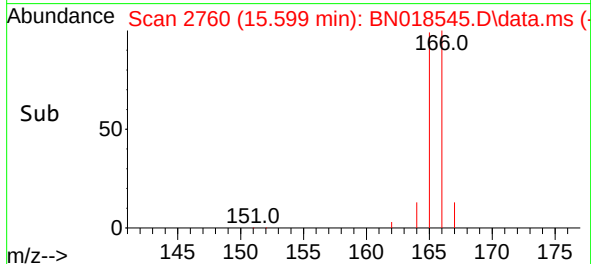
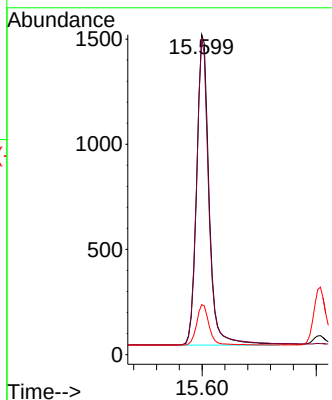
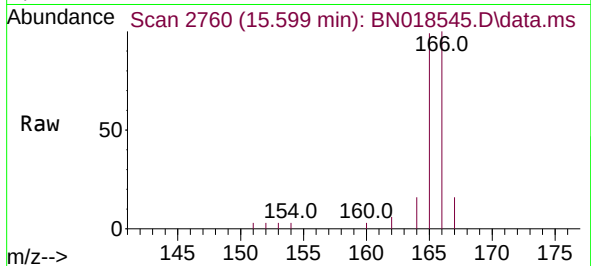




#12  
 Fluorene  
 Concen: 0.830 ng/ul  
 RT: 15.599 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: BN018545.D  
 Acq: 02 Feb 2022 12:22

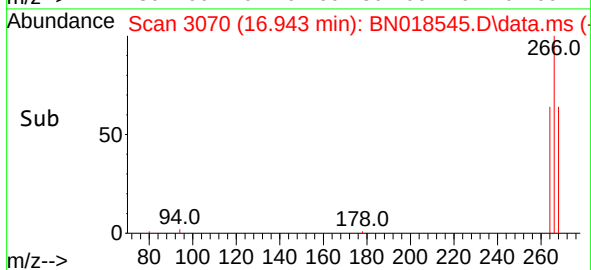
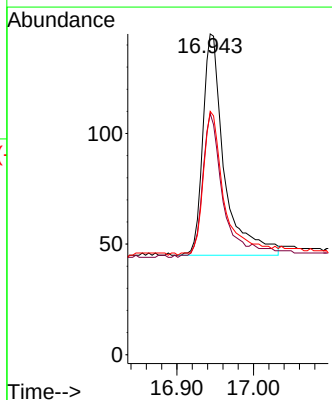
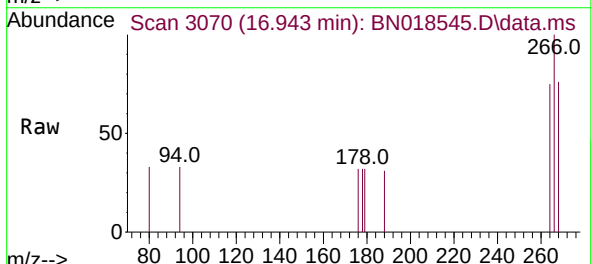
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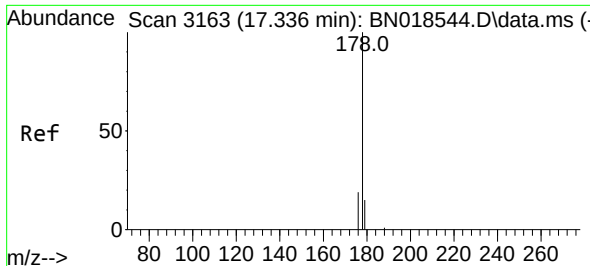
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 2229  |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 99.1  | 77.8  | 116.6 |
| 167      | 15.6  | 11.6  | 17.4  |



#14  
 Pentachlorophenol  
 Concen: 1.528 ng/ul  
 RT: 16.943 min Scan# 3070  
 Delta R.T. -0.004 min  
 Lab File: BN018545.D  
 Acq: 02 Feb 2022 12:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 194   |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 63.9  | 49.9  | 74.9  |
| 268      | 64.9  | 51.7  | 77.5  |

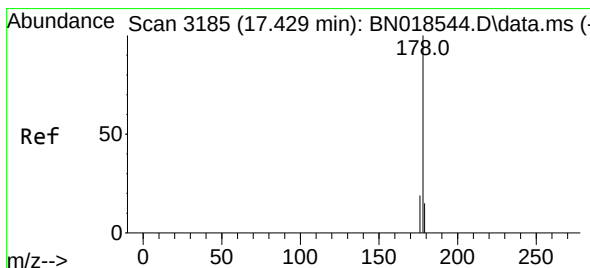
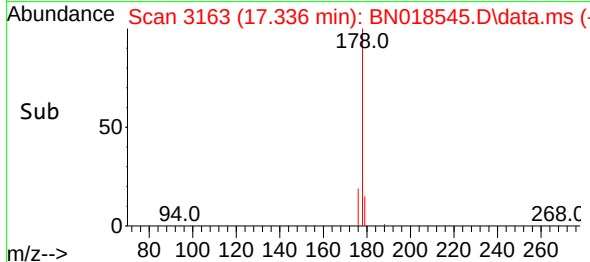
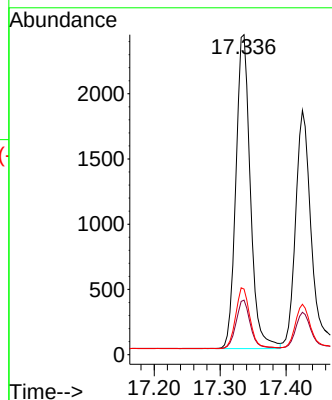
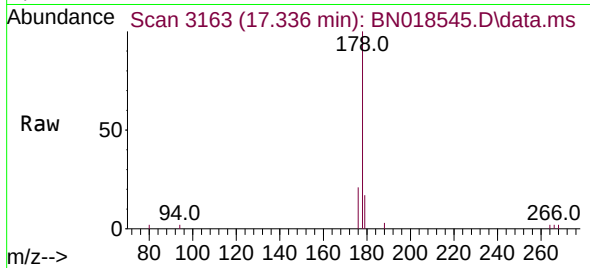




#15  
Phenanthrene  
Concen: 0.796 ng/ul  
RT: 17.336 min Scan# 3163  
Delta R.T. 0.000 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

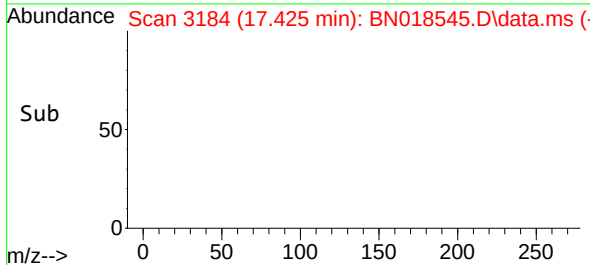
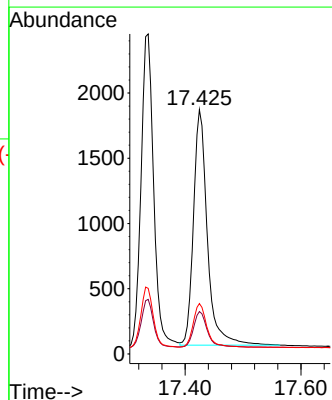
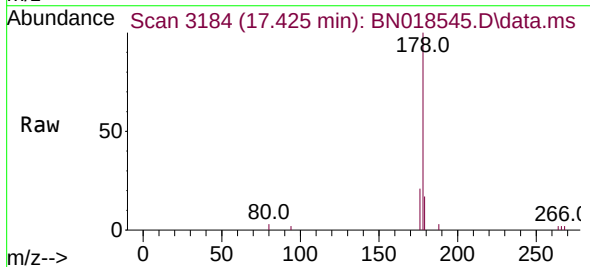
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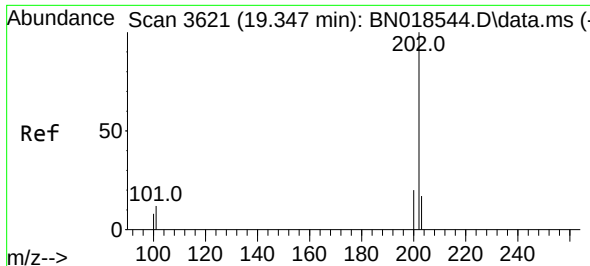
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Ion Ratio Lower Upper  
178 100  
179 17.0 12.2 18.4  
176 20.5 15.4 23.2



#16  
Anthracene  
Concen: 0.792 ng/ul  
RT: 17.425 min Scan# 3184  
Delta R.T. -0.004 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

Tgt Ion:178 Resp: 3010  
Ion Ratio Lower Upper  
178 100  
179 17.4 12.3 18.5  
176 20.6 15.5 23.3

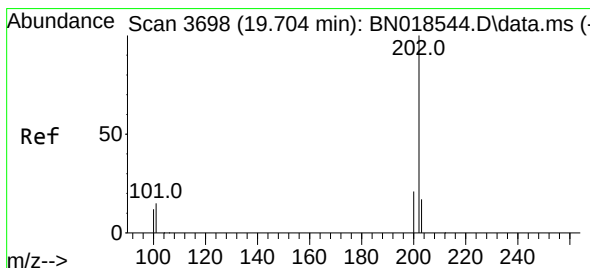
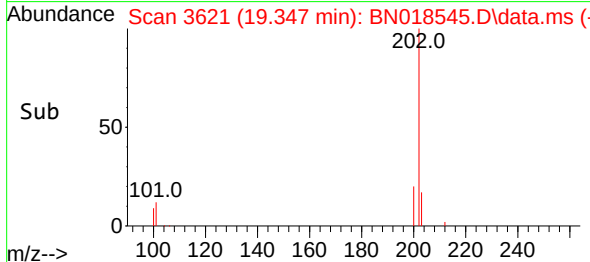
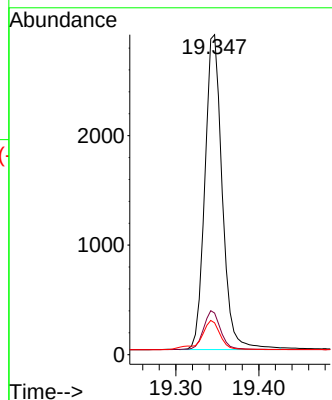
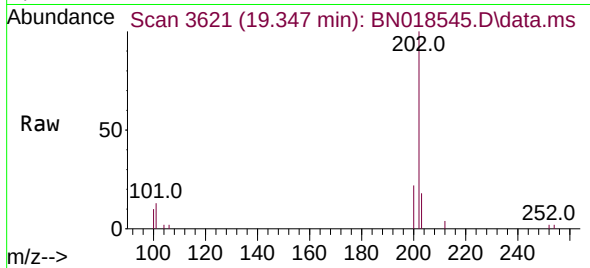




#19  
Fluoranthene  
Concen: 0.816 ng/ul  
RT: 19.347 min Scan# 3621  
Delta R.T. 0.000 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

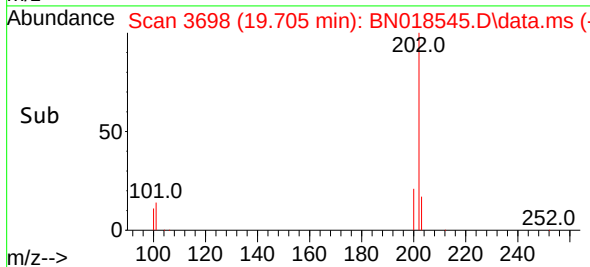
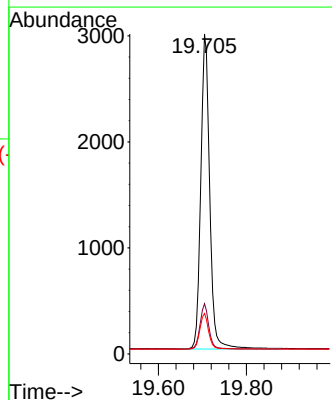
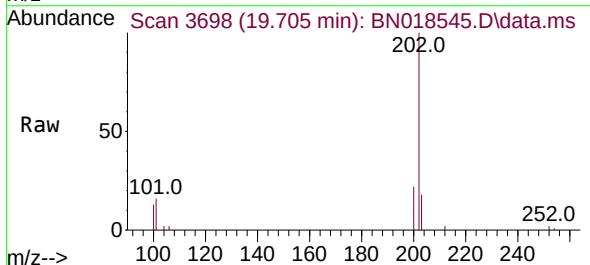
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.8239

Tgt Ion:202 Resp: 4172  
Ion Ratio Lower Upper  
202 100  
101 13.0 7.5 11.3#  
100 9.9 5.4 8.2#

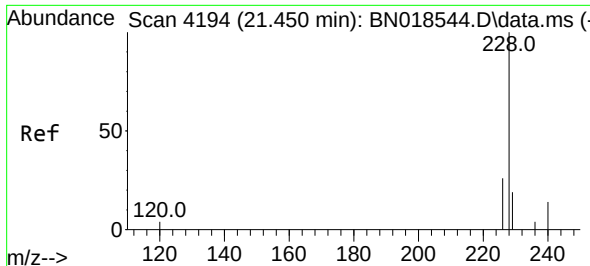


#20  
Pyrene  
Concen: 0.796 ng/ul  
RT: 19.705 min Scan# 3698  
Delta R.T. 0.000 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

Tgt Ion:202 Resp: 4183  
Ion Ratio Lower Upper  
202 100  
101 15.7 9.0 13.4#  
100 12.7 7.0 10.4#



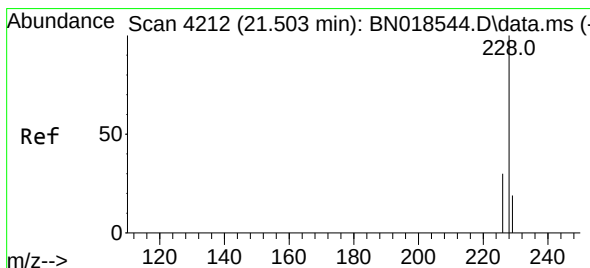
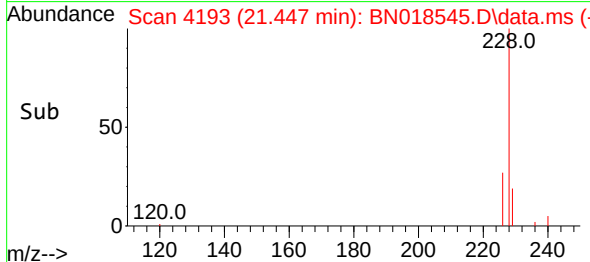
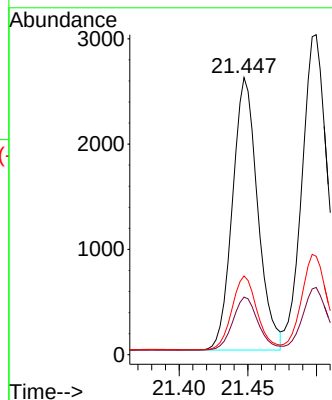
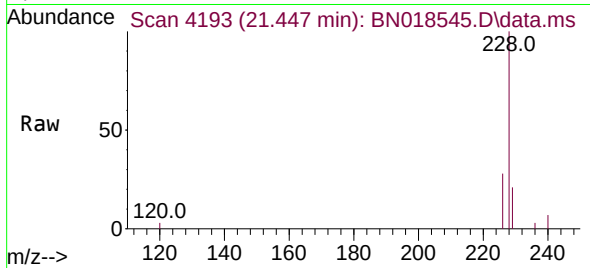




#21  
Benzo(a)anthracene  
Concen: 0.758 ng/ul  
RT: 21.447 min Scan# 4193  
Delta R.T. -0.003 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

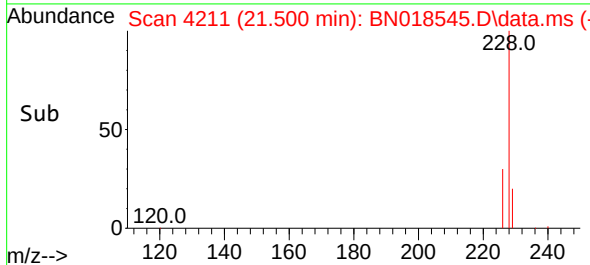
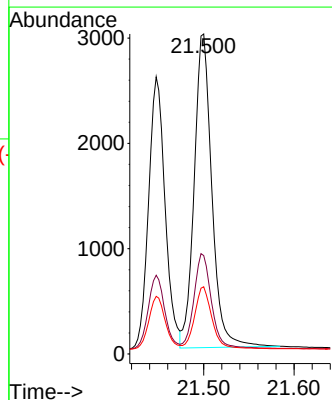
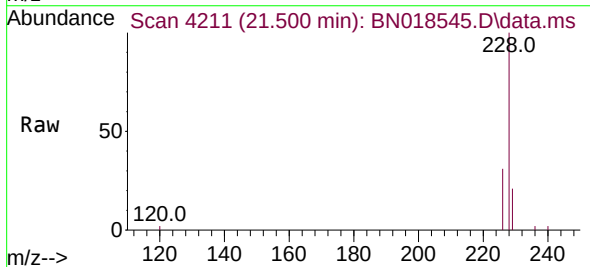
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.8239

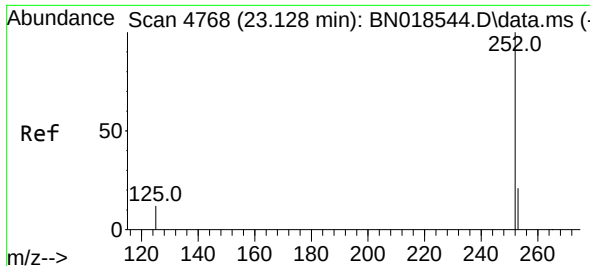
Tgt Ion:228 Resp: 3303  
Ion Ratio Lower Upper  
228 100  
229 20.8 15.6 23.4  
226 28.4 22.1 33.1



#22  
Chrysene  
Concen: 0.806 ng/ul  
RT: 21.500 min Scan# 4211  
Delta R.T. -0.003 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

Tgt Ion:228 Resp: 4048  
Ion Ratio Lower Upper  
228 100  
226 30.7 24.2 36.4  
229 21.0 15.7 23.5

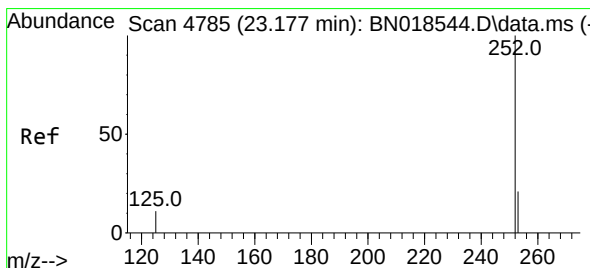
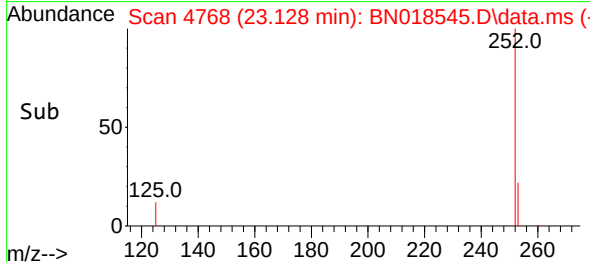
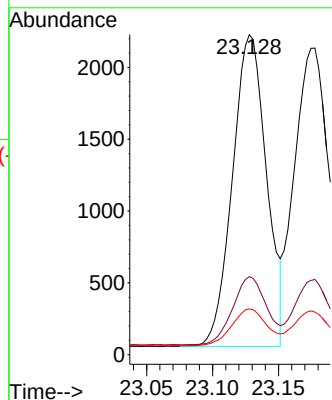
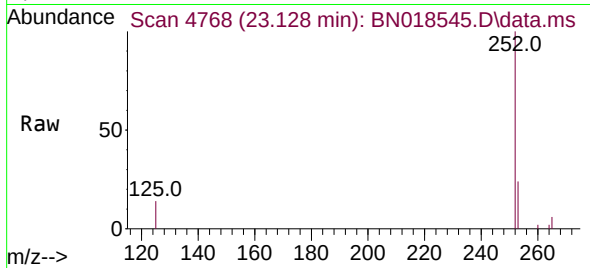




#24  
Benzo(b)fluoranthene  
Concen: 0.839 ng/ul  
RT: 23.128 min Scan# 4768  
Delta R.T. 0.000 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

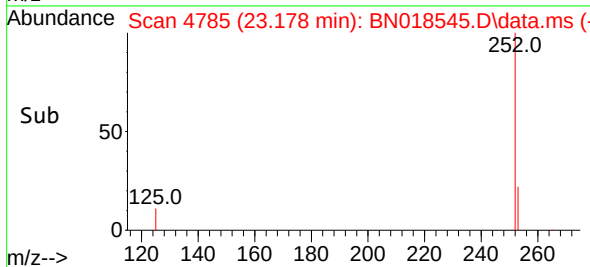
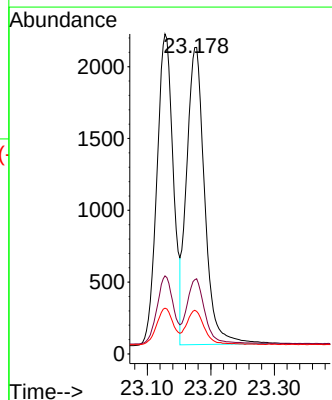
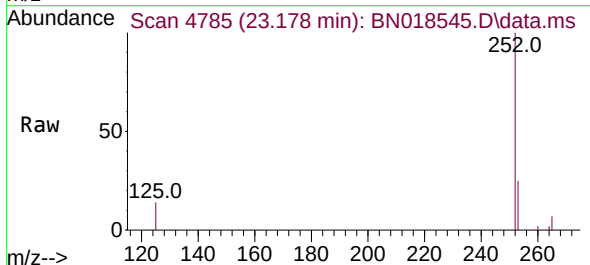
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.8239

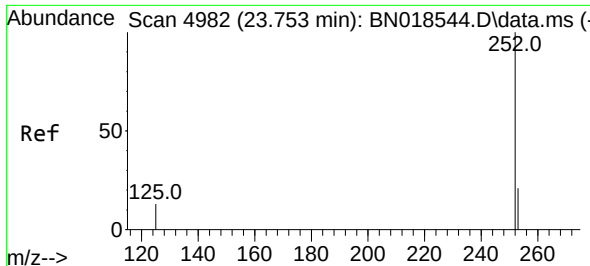
Tgt Ion:252 Resp: 3891  
Ion Ratio Lower Upper  
252 100  
253 24.4 0.0 46.4  
125 14.3 0.0 17.8



#25  
Benzo(k)fluoranthene  
Concen: 0.840 ng/ul  
RT: 23.178 min Scan# 4785  
Delta R.T. 0.000 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

Tgt Ion:252 Resp: 4085  
Ion Ratio Lower Upper  
252 100  
253 24.5 18.6 28.0  
125 13.9 7.3 10.9#

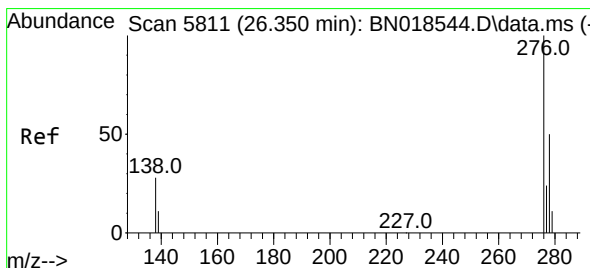
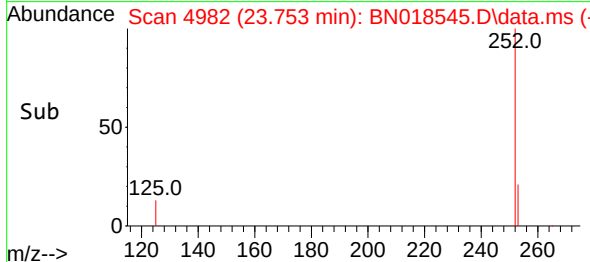
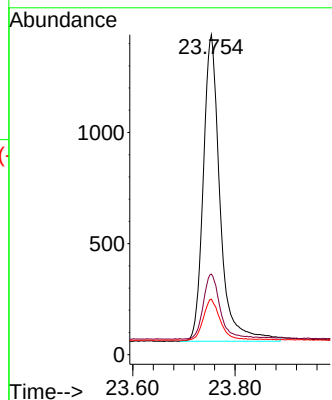
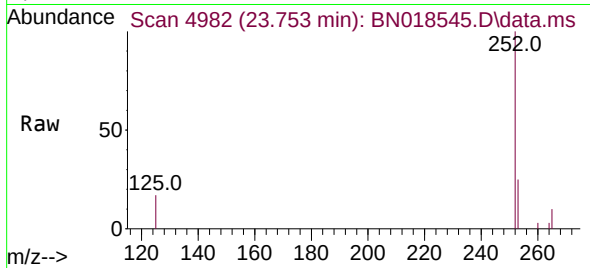




#26  
Benzo(a)pyrene  
Concen: 0.813 ng/ul  
RT: 23.753 min Scan# 4982  
Delta R.T. 0.000 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

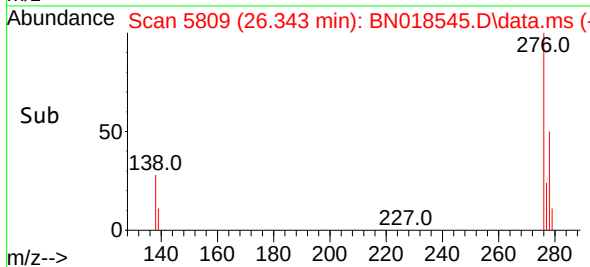
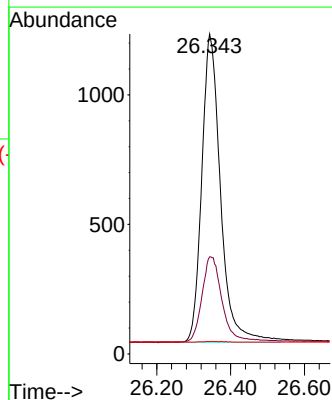
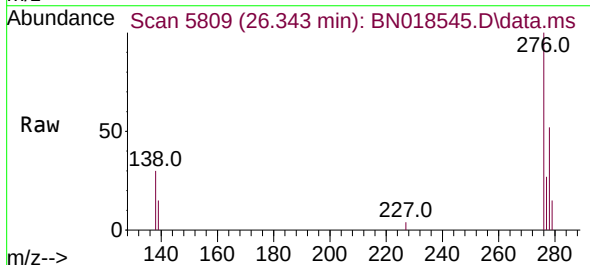
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.8239

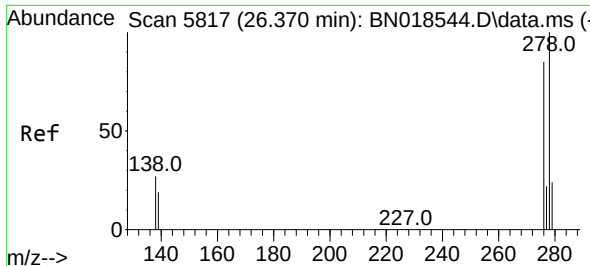
Tgt Ion:252 Resp: 3134  
Ion Ratio Lower Upper  
252 100  
253 25.2 18.9 28.3  
125 17.4 8.2 12.2#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.835 ng/ul  
RT: 26.343 min Scan# 5809  
Delta R.T. -0.007 min  
Lab File: BN018545.D  
Acq: 02 Feb 2022 12:22

Tgt Ion:276 Resp: 4195  
Ion Ratio Lower Upper  
276 100  
138 29.9 16.5 24.7#  
227 0.2 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.837 ng/ul

RT: 26.366 min Scan# 5817

Delta R.T. -0.003 min

Lab File: BN018545.D

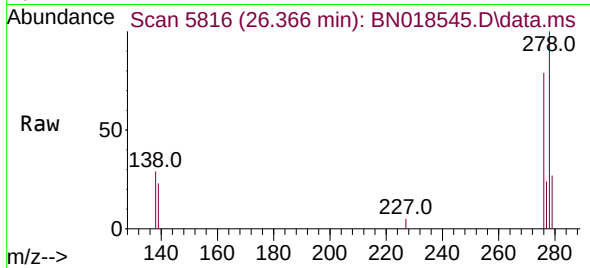
Acq: 02 Feb 2022 12:22

Instrument :

BNA\_N

ClientSampleId :

SSTD0.8239



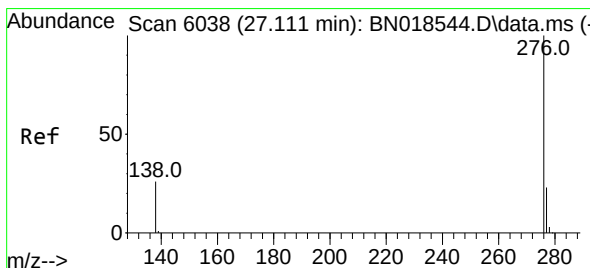
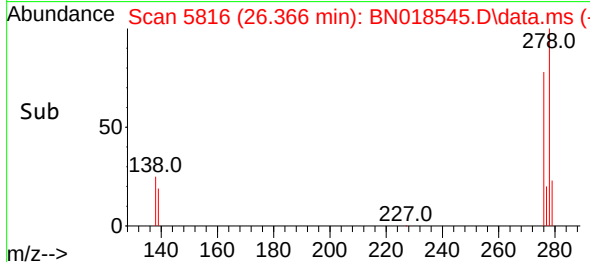
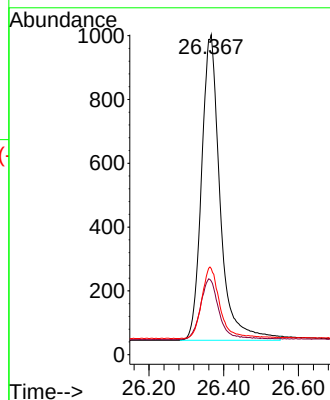
Tgt Ion:278 Resp: 3303

Ion Ratio Lower Upper

278 100

139 23.0 11.9 17.9#

279 26.9 19.5 29.3



#29

Benzo(g,h,i)perylene

Concen: 0.838 ng/ul

RT: 27.104 min Scan# 6036

Delta R.T. -0.007 min

Lab File: BN018545.D

Acq: 02 Feb 2022 12:22

Tgt Ion:276 Resp: 3666

Ion Ratio Lower Upper

276 100

138 28.8 14.4 21.6#

277 26.5 19.2 28.8

