

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122320\  
 Data File : BN013298.D  
 Acq On : 23 Dec 2020 14:37  
 Operator : CG/JU  
 Sample : L5053-18MS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE125D3-20201210MS

Manual Integrations  
 APPROVED

mohammad  
 12/24/2020 10:42:27 AM

Quant Time: Dec 23 15:17:56 2020  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 22 10:46:43 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.330  | 152  | 623      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.099 | 136  | 1914     | 0.40 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 13.991 | 164  | 1241     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.763 | 188  | 2879     | 0.40 | ng    | # 0.00   |
| 29) Chrysene-d12              | 20.992 | 240  | 2855     | 0.40 | ng    | # 0.00   |
| 36) Perylene-d12              | 23.079 | 264  | 3184     | 0.40 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 4.962  | 112  | 95       | 0.04 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.557  | 99   | 93       | 0.04 | ng    | 0.02     |
| 8) Nitrobenzene-d5            | 8.528  | 82   | 265      | 0.13 | ng    | 0.03     |
| 11) 2-Methylnaphthalene-d10   | 11.715 | 152  | 456      | 0.14 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.526 | 330  | 100      | 0.13 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.608 | 172  | 690      | 0.13 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.813 | 212  | 1495     | 0.16 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.429 | 244  | 1338     | 0.18 | ng    | 0.00     |
| Target Compounds              |        |      |          |      |       |          |
|                               |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.916  | 88   | 2738     | 2.52 | ng    | # 92     |
| 6) bis(2-Chloroethyl)ether    | 6.790  | 93   | 213      | 0.13 | ng    | # 95     |
| 9) Naphthalene                | 10.150 | 128  | 849      | 0.14 | ng    | # 73     |
| 10) Hexachlorobutadiene       | 10.403 | 225  | 193      | 0.15 | ng    | # 93     |
| 12) 2-Methylnaphthalene       | 11.786 | 142  | 530      | 0.13 | ng    | # 91     |
| 16) Acenaphthylene            | 13.712 | 152  | 1009     | 0.15 | ng    | 98       |
| 17) Acenaphthene              | 14.054 | 154  | 600      | 0.15 | ng    | 87       |
| 18) Fluorene                  | 15.069 | 166  | 843      | 0.15 | ng    | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.247 | 198  | 19       | 0.21 | ng    | # 1      |
| 21) 4-Bromophenyl-phenylether | 16.008 | 248  | 236      | 0.42 | ng    | # 74     |
| 22) Hexachlorobenzene         | 16.069 | 284  | 290      | 0.15 | ng    | 95       |
| 23) Atrazine                  | 16.252 | 200  | 185      | 0.11 | ng    | # 70     |
| 24) Pentachlorophenol         | 16.434 | 266  | 223      | 0.27 | ng    | 91       |
| 25) Phenanthrene              | 16.799 | 178  | 1417     | 0.15 | ng    | 99       |
| 26) Anthracene                | 16.909 | 178  | 1179     | 0.14 | ng    | 100      |
| 28) Fluoranthene              | 18.843 | 202  | 1971     | 0.17 | ng    | 99       |
| 30) Pyrene                    | 19.210 | 202  | 2040     | 0.18 | ng    | 99       |
| 32) Benzo(a)anthracene        | 20.982 | 228  | 1644m    | 0.16 | ng    |          |
| 33) Chrysene                  | 21.024 | 228  | 2049     | 0.19 | ng    | 93       |
| 34) Bis(2-ethylhexyl)phtha... | 20.918 | 149  | 1543     | 0.04 | ng    | 97       |
| 35) Indeno(1,2,3-cd)pyrene    | 25.119 | 276  | 2725     | 0.19 | ng    | 94       |
| 37) Benzo(b)fluoranthene      | 22.467 | 252  | 2202     | 0.20 | ng    | # 71     |
| 38) Benzo(k)fluoranthene      | 22.508 | 252  | 2466     | 0.19 | ng    | # 78     |
| 39) Benzo(a)pyrene            | 22.994 | 252  | 2035     | 0.18 | ng    | # 67     |
| 40) Dibenzo(a,h)anthracene    | 25.130 | 278  | 2213     | 0.18 | ng    | # 71     |
| 41) Benzo(g,h,i)perylene      | 25.739 | 276  | 2467     | 0.19 | ng    | # 84     |
| -----                         |        |      |          |      |       |          |

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

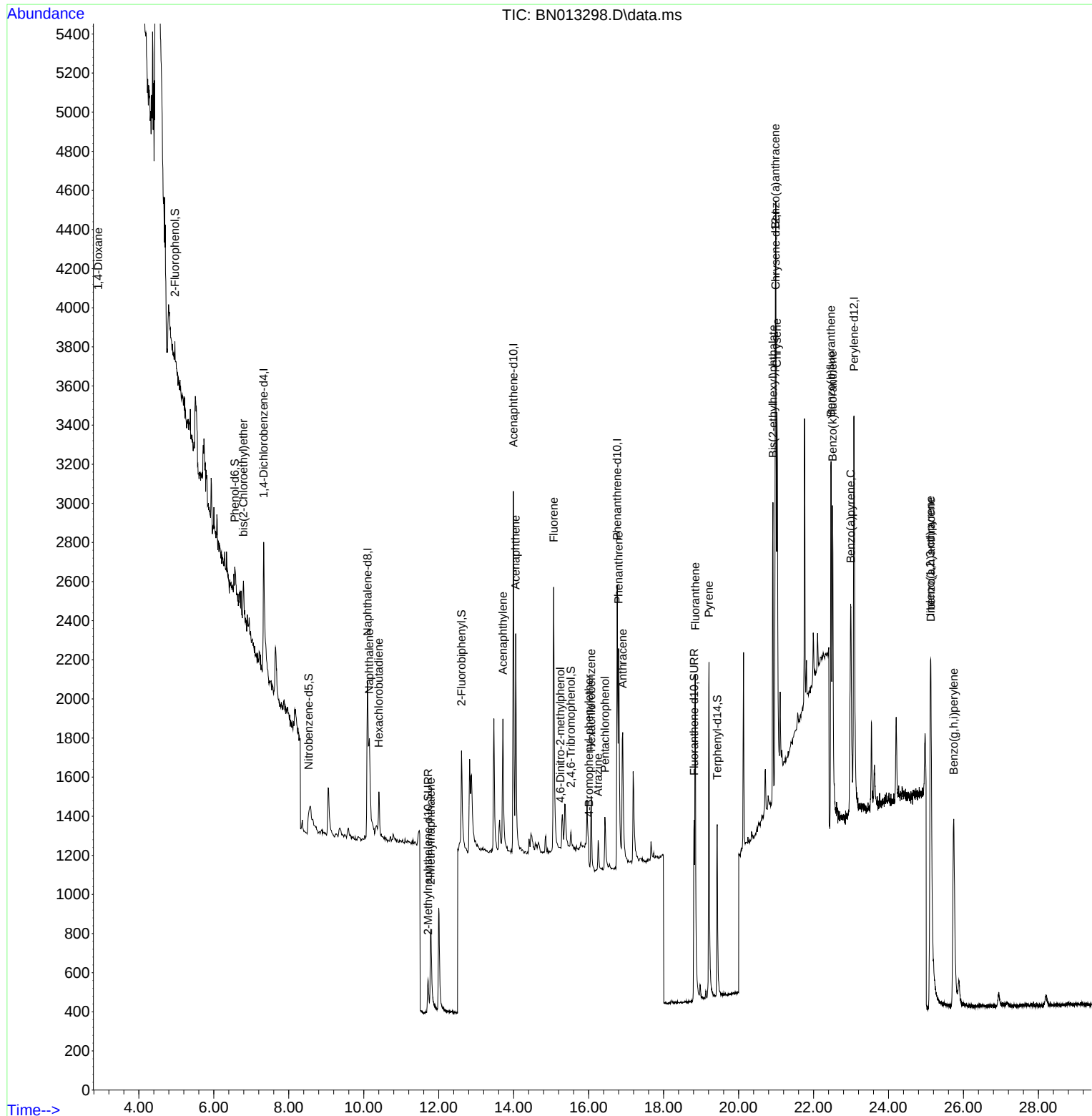
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122320\  
 Data File : BN013298.D  
 Acq On : 23 Dec 2020 14:37  
 Operator : CG/JU  
 Sample : L5053-18MS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE125D3-20201210MS

Manual Integrations  
 APPROVED

mohammad  
 12/24/2020 10:42:27 AM

Quant Time: Dec 23 15:17:56 2020  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN121620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 22 10:46:43 2020  
 Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.330 min Scan# 565  
Delta R.T. -0.000 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

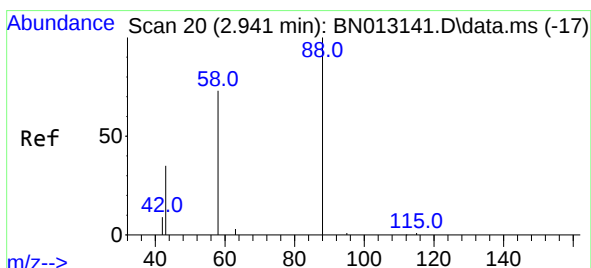
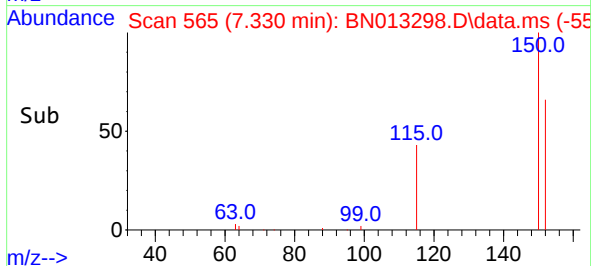
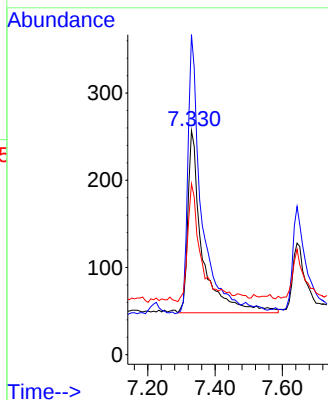
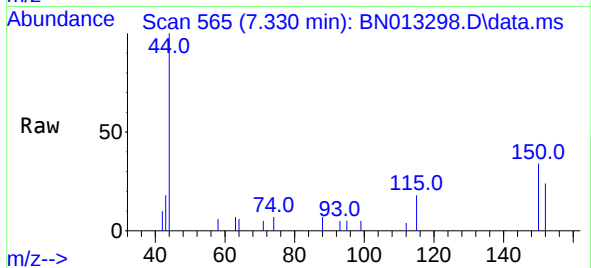
Tgt Ion: 152 Resp: 623

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 142.8 | 116.6 | 174.8 |
| 115 | 76.3  | 52.9  | 79.3  |

Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS

Manual Integrations  
APPROVED

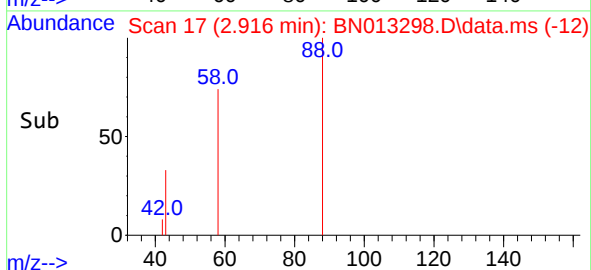
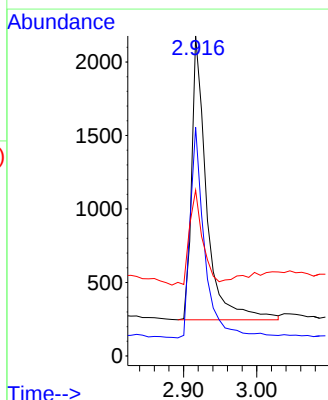
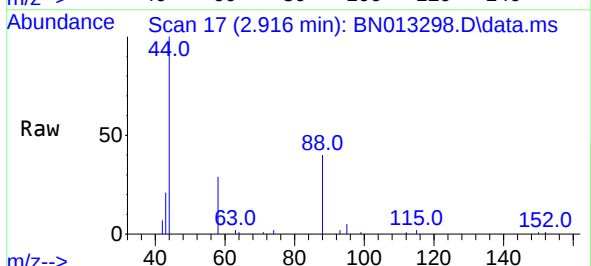
mohammad  
12/24/2020 10:42:27 AM



#2  
1,4-Dioxane  
Concen: 2.52 ng  
RT: 2.916 min Scan# 17  
Delta R.T. -0.008 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

Tgt Ion: 88 Resp: 2738

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 58  | 73.2  | 59.4  | 89.2  |
| 43  | 28.5  | 32.3  | 48.5  |





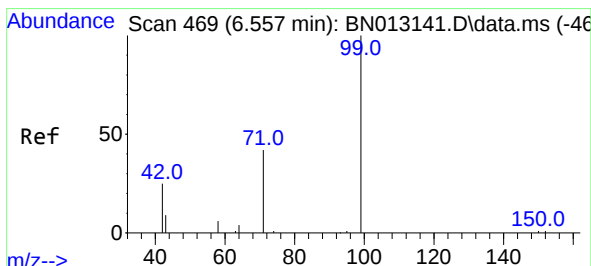
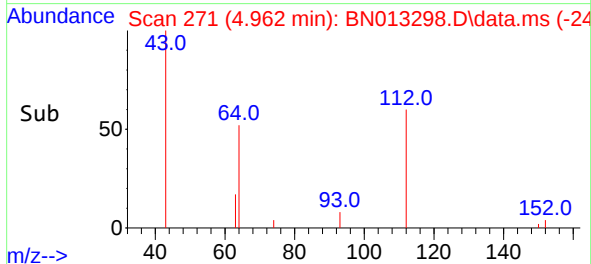
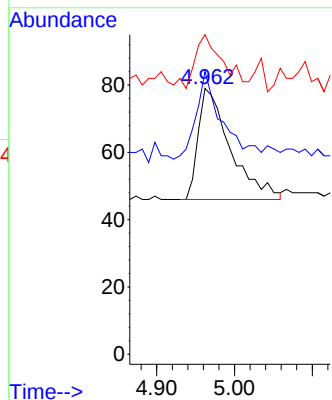
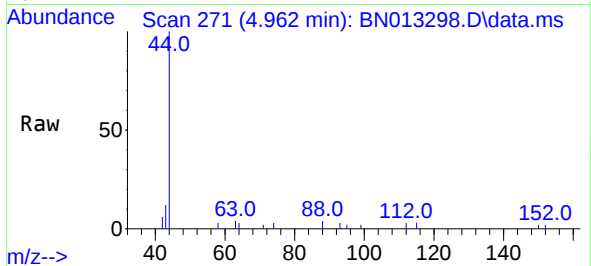
#4  
2-Fluorophenol  
Concen: 0.04 ng  
RT: 4.962 min Scan# 271  
Delta R.T. 0.008 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

Tgt Ion: 112 Resp: 95  
Ion Ratio Lower Upper  
112 100  
64 63.2 49.5 74.3  
63 44.2 32.0 48.0

Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS

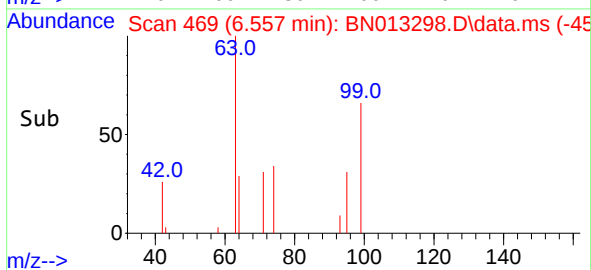
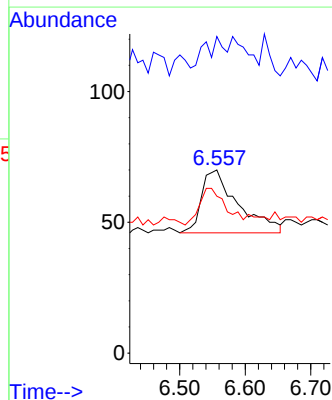
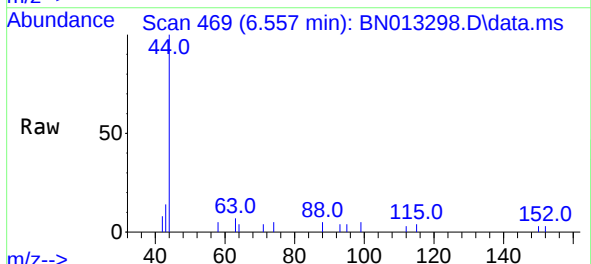
Manual Integrations  
APPROVED

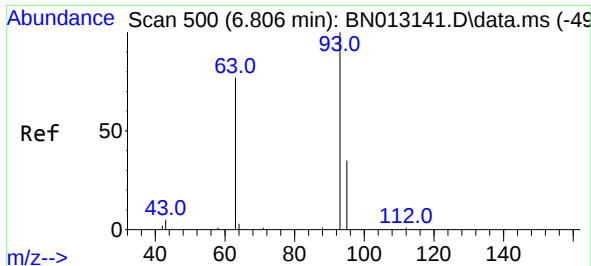
mohammad  
12/24/2020 10:42:27 AM



#5  
Phenol-d6  
Concen: 0.04 ng  
RT: 6.557 min Scan# 469  
Delta R.T. 0.016 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

Tgt Ion: 99 Resp: 93  
Ion Ratio Lower Upper  
99 100  
42 19.4 22.4 33.6#  
71 41.9 37.8 56.6





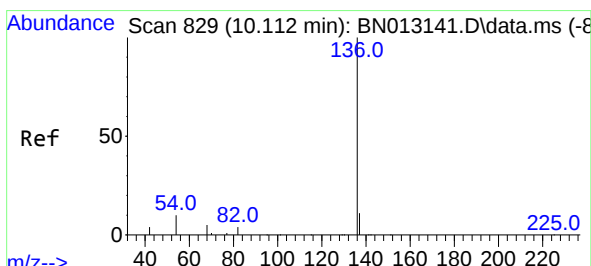
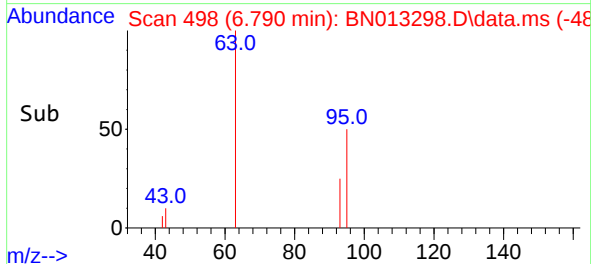
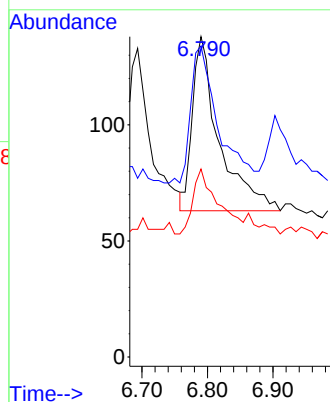
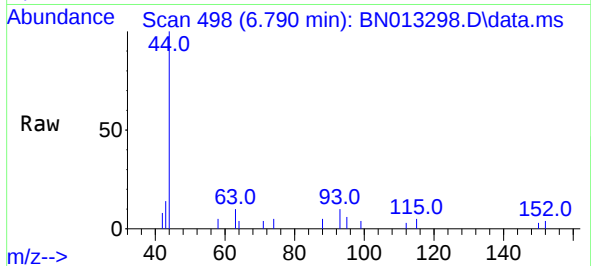
#6  
bis(2-Chloroethyl)ether  
Concen: 0.13 ng  
RT: 6.790 min Scan# 498  
Delta R.T. 0.008 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 213   |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 79.3  | 63.1  | 94.7  |
| 95       | 40.8  | 26.1  | 39.1# |

Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS

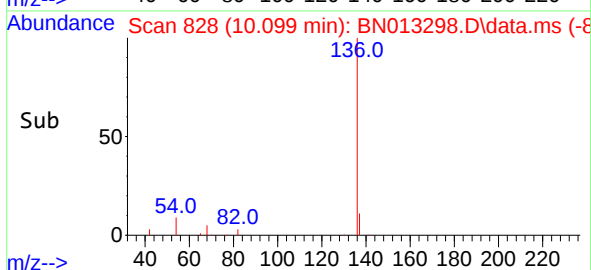
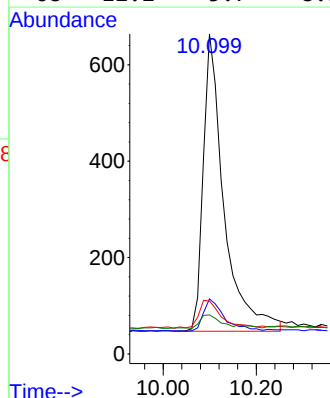
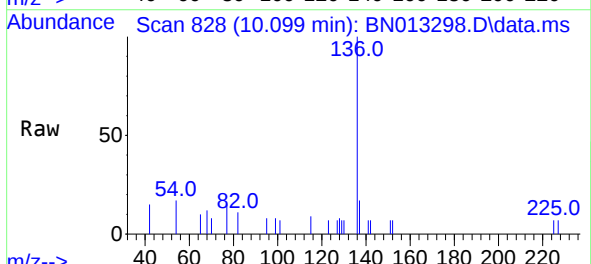
Manual Integrations  
APPROVED

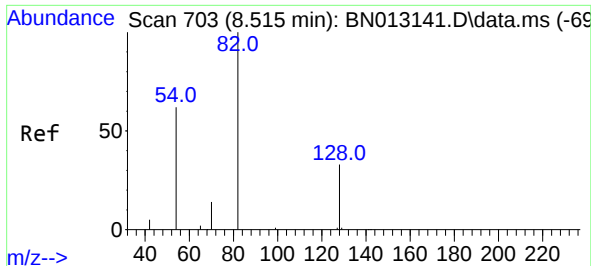
mohammad  
12/24/2020 10:42:27 AM



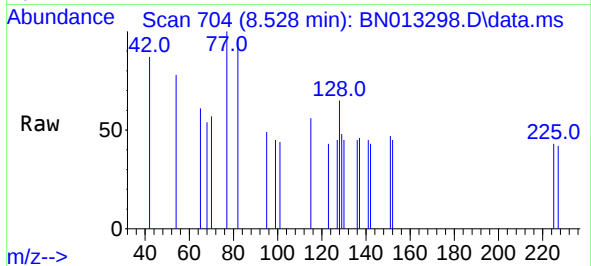
#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.099 min Scan# 828  
Delta R.T. -0.000 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 1914  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 17.2  | 10.6  | 15.8# |
| 54       | 16.6  | 8.6   | 12.8# |
| 68       | 12.2  | 5.7   | 8.5#  |

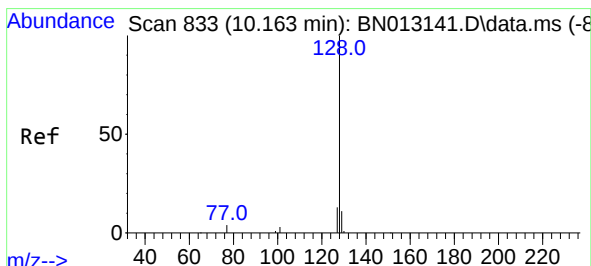
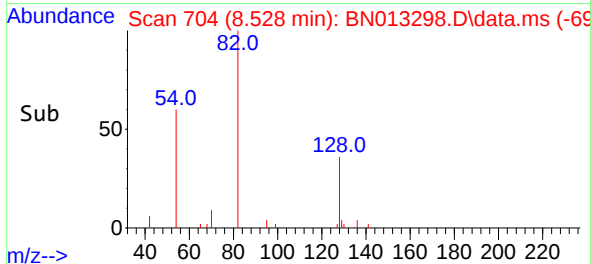
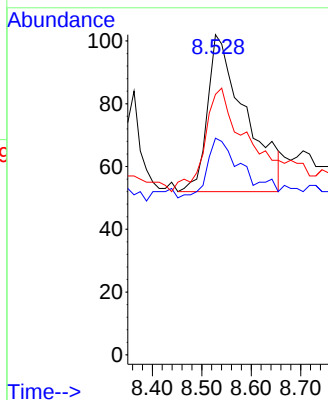




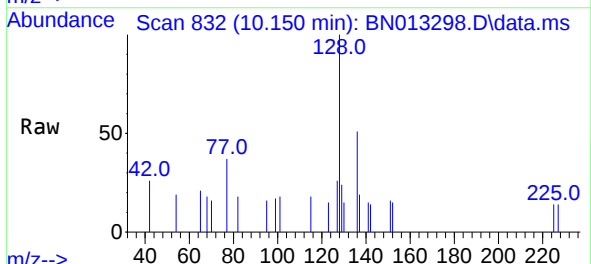
#8  
Nitrobenzene-d5  
Concen: 0.13 ng  
RT: 8.528 min Scan# 704  
Delta R.T. 0.025 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37



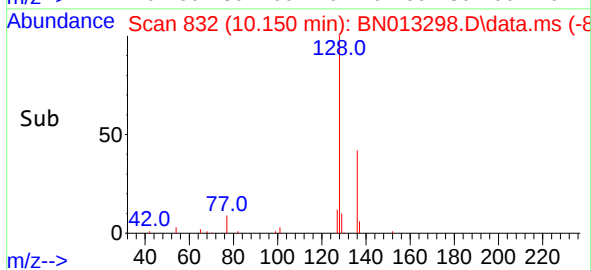
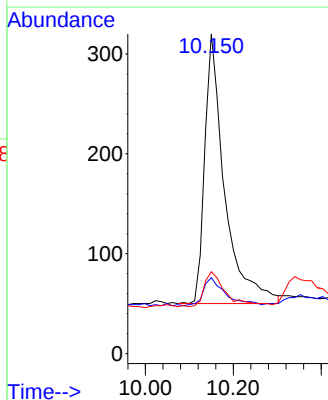
Tgt Ion: 82 Resp: 265  
Ion Ratio Lower Upper  
82 100  
128 67.6 30.6 46.0#  
54 81.4 48.3 72.5#



#9  
Naphthalene  
Concen: 0.14 ng  
RT: 10.150 min Scan# 832  
Delta R.T. -0.000 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37



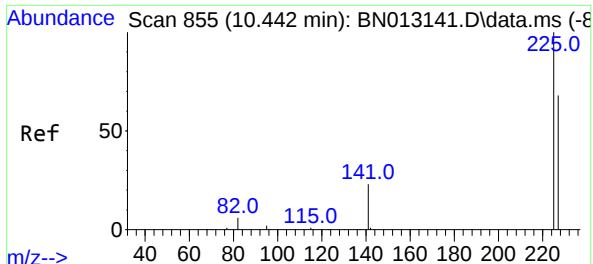
Tgt Ion: 128 Resp: 849  
Ion Ratio Lower Upper  
128 100  
129 23.8 9.8 14.8#  
127 25.6 12.2 18.4#



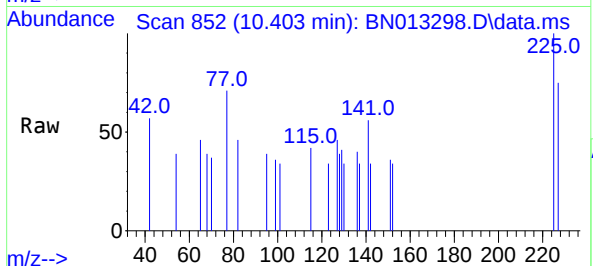
Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS

Manual Integrations  
APPROVED

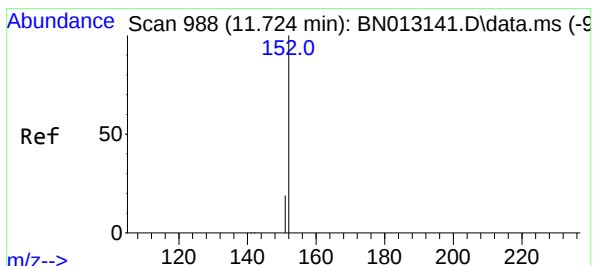
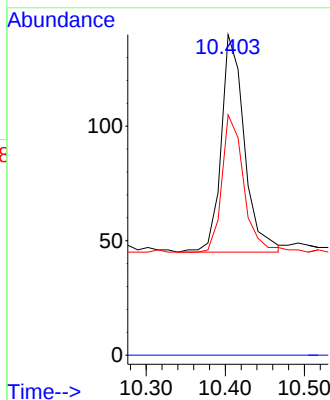
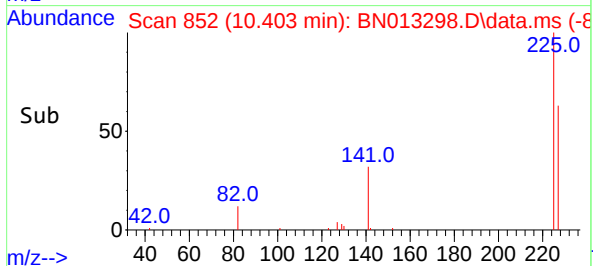
mohammad  
12/24/2020 10:42:27 AM



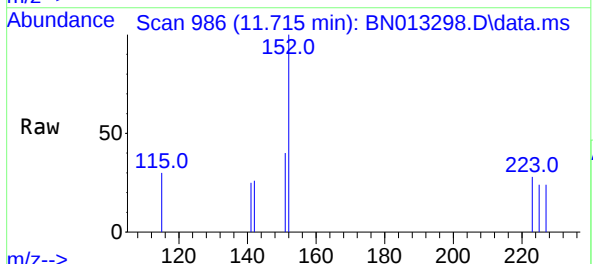
#10  
Hexachlorobutadiene  
Concen: 0.15 ng  
RT: 10.403 min Scan# 852  
Delta R.T. -0.013 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37



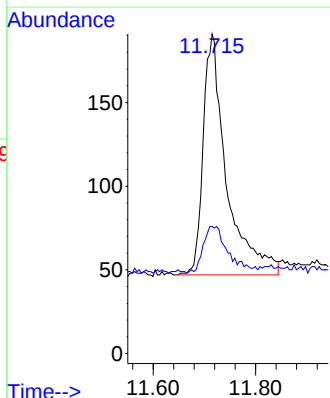
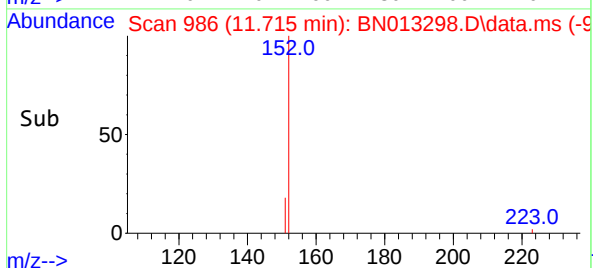
Tgt Ion:225 Resp: 193  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 58.5 51.0 76.6



#11  
2-Methylnaphthalene-d10  
Concen: 0.14 ng  
RT: 11.715 min Scan# 986  
Delta R.T. 0.009 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37



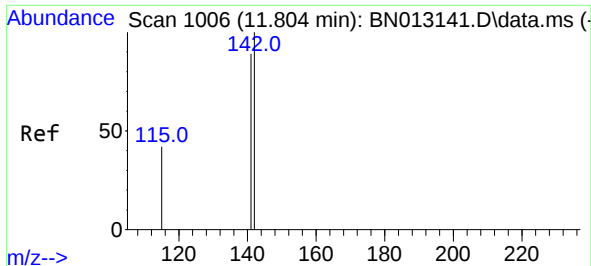
Tgt Ion:152 Resp: 456  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.7 25.1



Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS

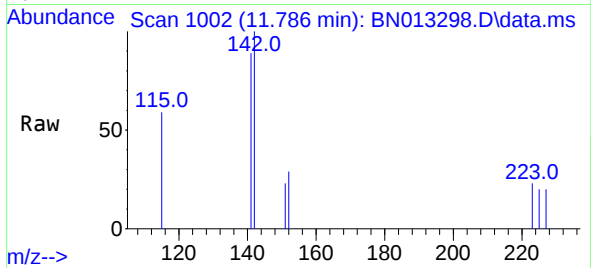
Manual Integrations  
APPROVED

mohammad  
12/24/2020 10:42:27 AM



#12  
2-Methylnaphthalene  
Concen: 0.13 ng  
RT: 11.786 min Scan# 1002  
Delta R.T. -0.000 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

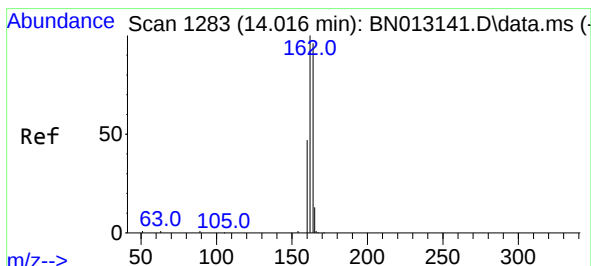
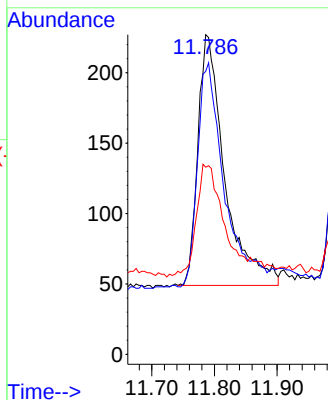
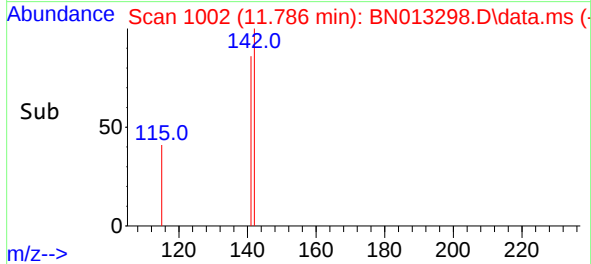
Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS



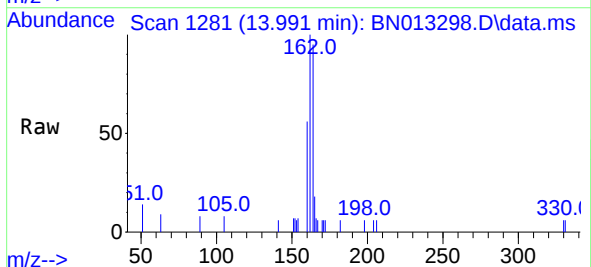
Tgt Ion:142 Resp: 530  
Ion Ratio Lower Upper  
142 100  
141 88.5 69.4 104.2  
115 58.6 35.7 53.5#

Manual Integrations  
APPROVED

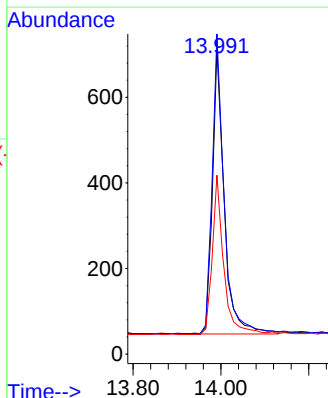
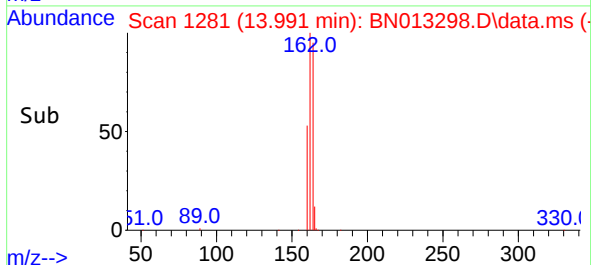
mohammad  
12/24/2020 10:42:27 AM

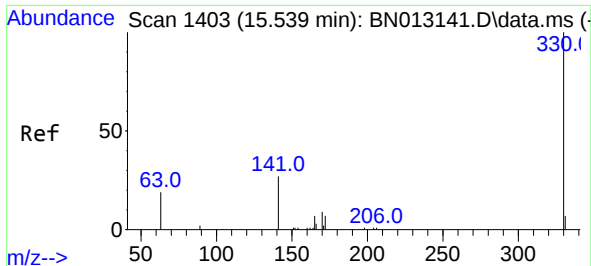


#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 13.991 min Scan# 1281  
Delta R.T. -0.000 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

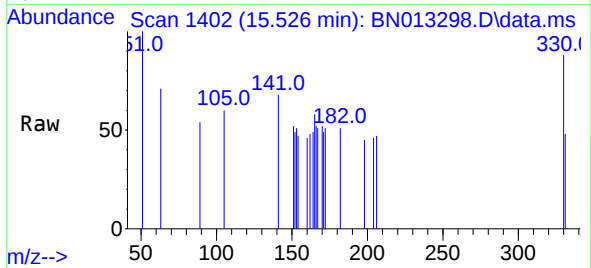


Tgt Ion:164 Resp: 1241  
Ion Ratio Lower Upper  
164 100  
162 105.1 80.6 120.8  
160 58.7 39.5 59.3

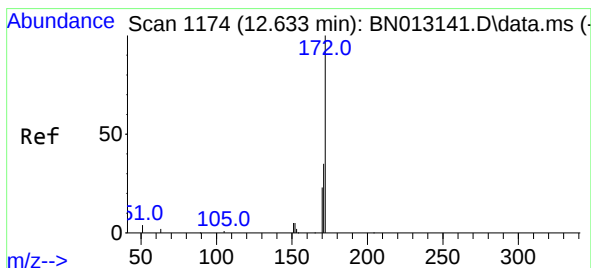
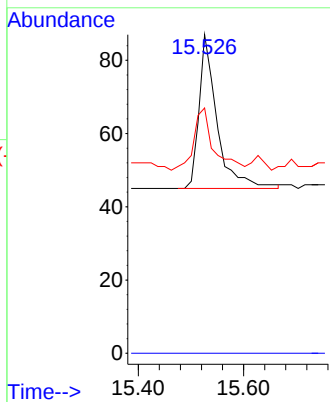
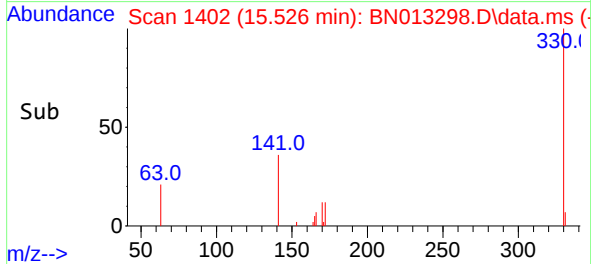




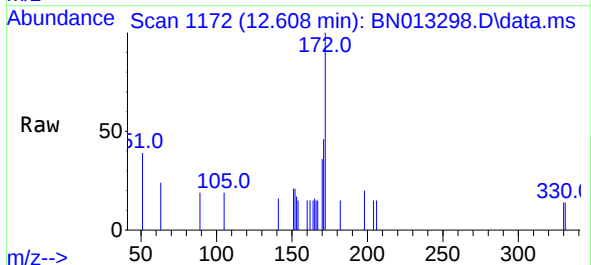
#14  
2,4,6-Tribromophenol  
Concen: 0.13 ng  
RT: 15.526 min Scan# 1402  
Delta R.T. -0.000 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37



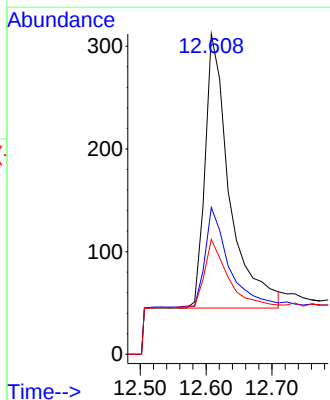
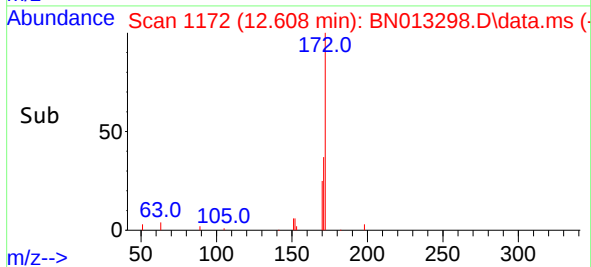
Tgt Ion:330 Resp: 100  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 44.0 34.4 51.6



#15  
2-Fluorobiphenyl  
Concen: 0.13 ng  
RT: 12.608 min Scan# 1172  
Delta R.T. -0.000 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37



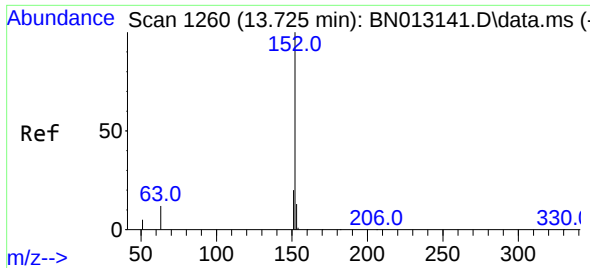
Tgt Ion:172 Resp: 690  
Ion Ratio Lower Upper  
172 100  
171 45.8 28.2 42.4#  
170 35.9 20.0 30.0#



Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS

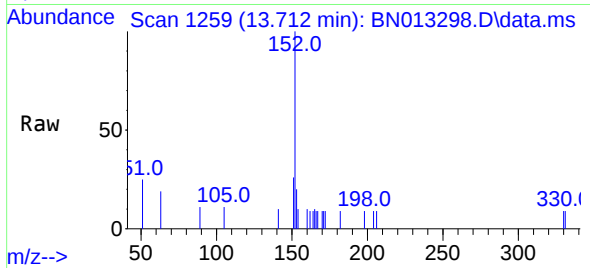
Manual Integrations  
APPROVED

mohammad  
12/24/2020 10:42:27 AM



#16  
Acenaphthylene  
Concen: 0.15 ng  
RT: 13.712 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

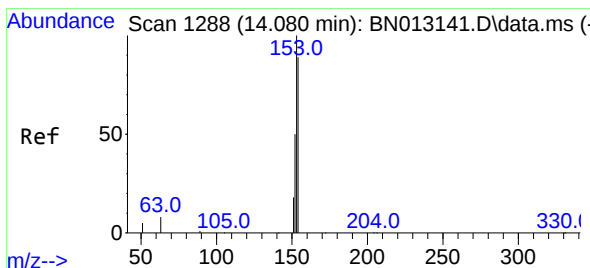
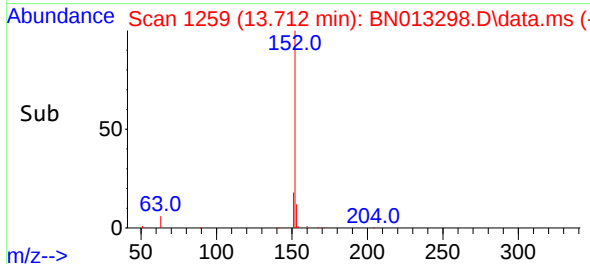
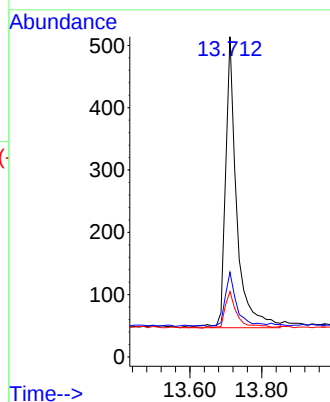
Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS



Tgt Ion:152 Resp: 1009  
Ion Ratio Lower Upper  
152 100  
151 18.9 15.8 23.8  
153 14.2 10.6 16.0

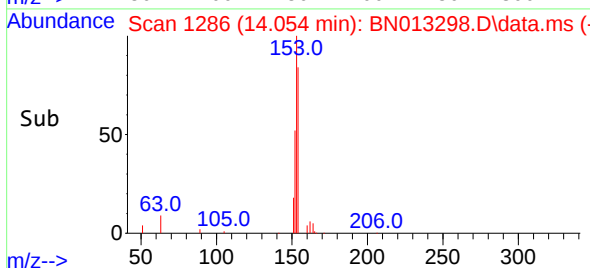
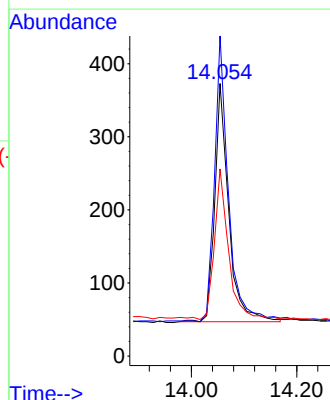
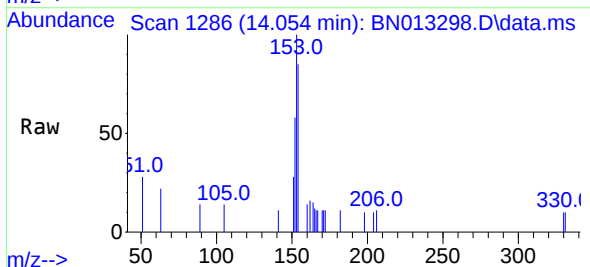
Manual Integrations  
APPROVED

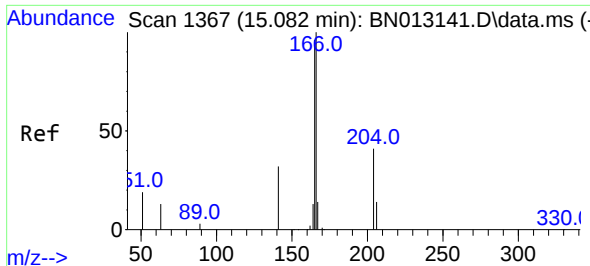
mohammad  
12/24/2020 10:42:27 AM



#17  
Acenaphthene  
Concen: 0.15 ng  
RT: 14.054 min Scan# 1286  
Delta R.T. -0.000 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

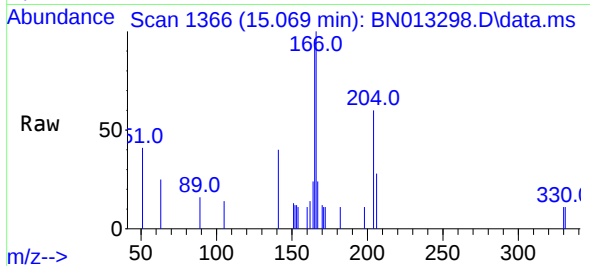
Tgt Ion:154 Resp: 600  
Ion Ratio Lower Upper  
154 100  
153 118.3 83.6 125.4  
152 63.5 43.9 65.9





#18  
Fluorene  
Concen: 0.15 ng  
RT: 15.069 min Scan# 1366  
Delta R.T. -0.000 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

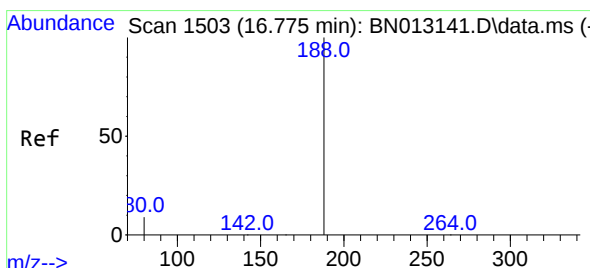
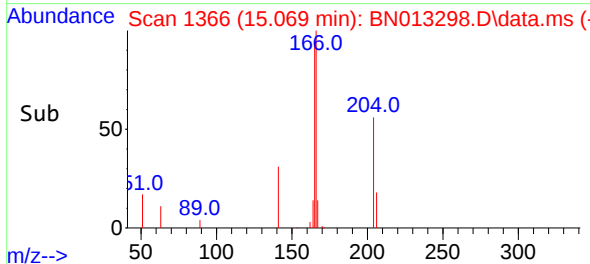
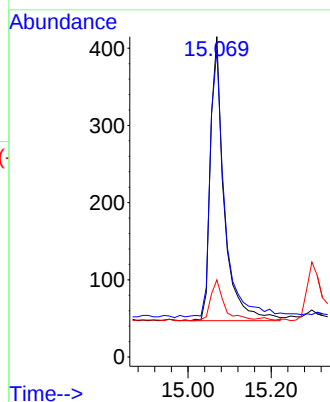
Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS



Tgt Ion:166 Resp: 843  
Ion Ratio Lower Upper  
166 100  
165 100.1 78.6 118.0  
167 14.2 10.7 16.1

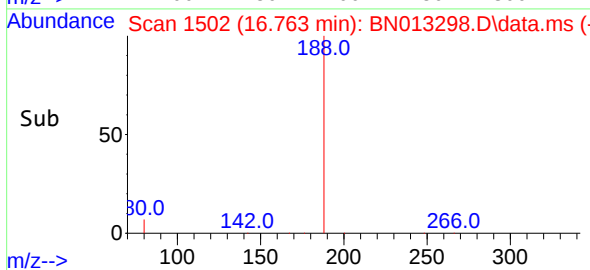
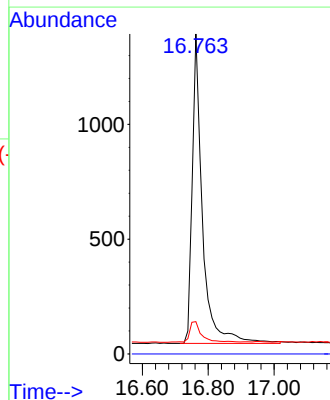
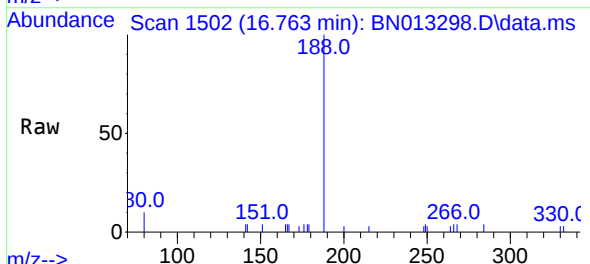
Manual Integrations  
APPROVED

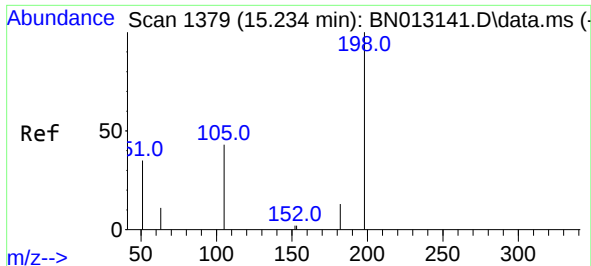
mohammad  
12/24/2020 10:42:27 AM



#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 16.763 min Scan# 1502  
Delta R.T. -0.001 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

Tgt Ion:188 Resp: 2879  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.1 5.0 7.4#





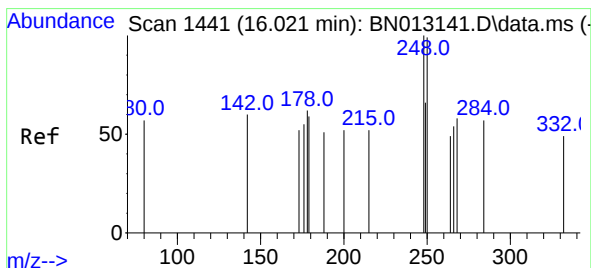
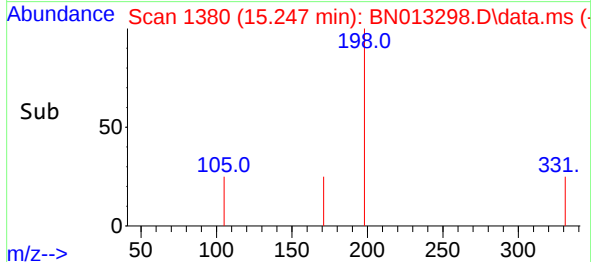
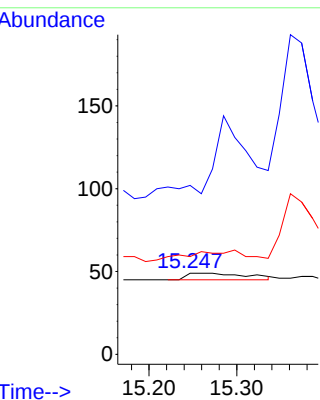
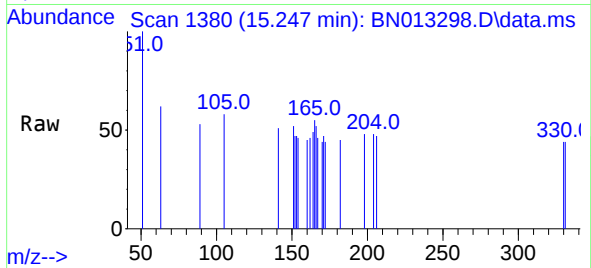
#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.21 ng  
RT: 15.247 min Scan# 1380  
Delta R.T. 0.025 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 198   | Resp: | 19    |
| Ion      | Ratio | Lower | Upper |
| 198      | 100   |       |       |
| 51       | 208.2 | 43.5  | 65.3# |
| 105      | 120.4 | 27.2  | 40.8# |

Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS

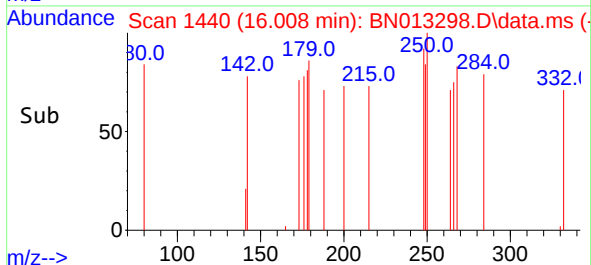
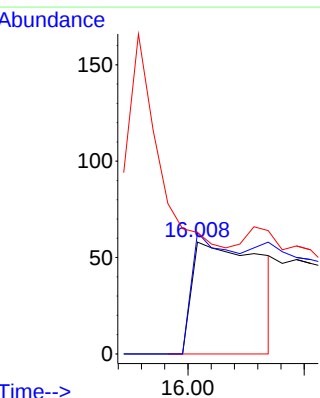
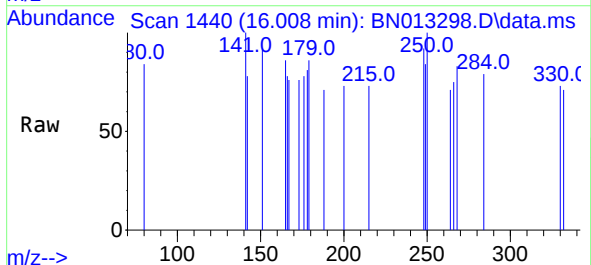
Manual Integrations  
APPROVED

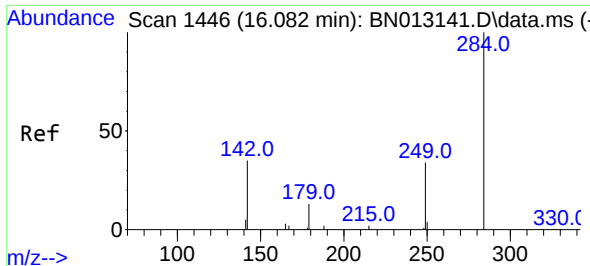
mohammad  
12/24/2020 10:42:27 AM



#21  
4-Bromophenyl-phenylether  
Concen: 0.42 ng  
RT: 16.008 min Scan# 1440  
Delta R.T. -0.013 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

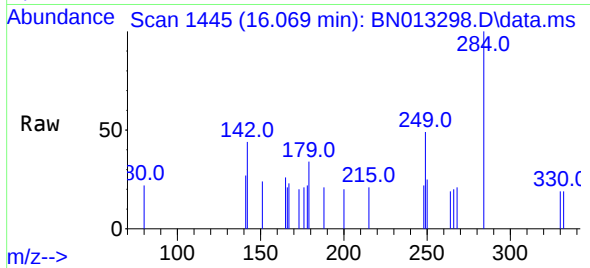
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 248   | Resp: | 236   |
| Ion      | Ratio | Lower | Upper |
| 248      | 100   |       |       |
| 250      | 108.6 | 77.3  | 115.9 |
| 141      | 108.6 | 57.8  | 86.8# |





#22  
Hexachlorobenzene  
Concen: 0.15 ng  
RT: 16.069 min Scan# 1445  
Delta R.T. -0.001 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

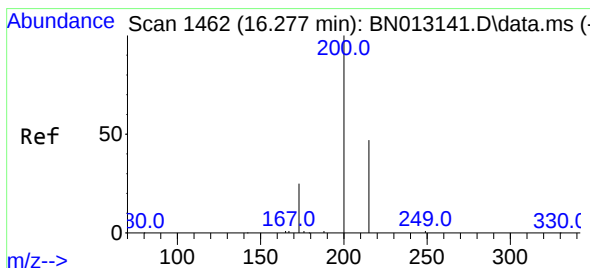
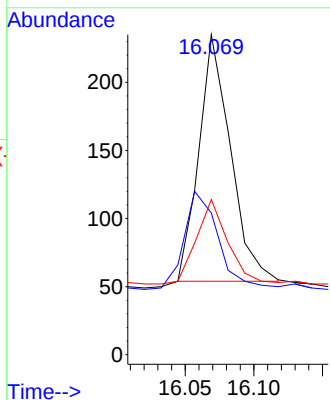
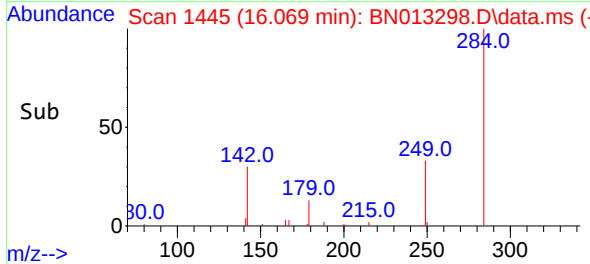
Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS



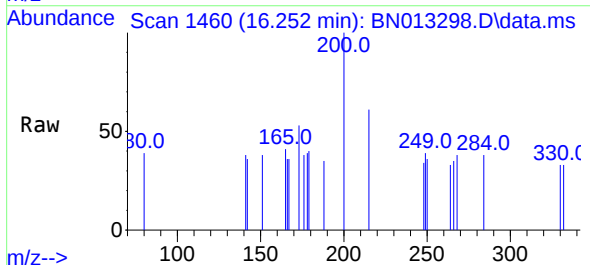
Tgt Ion:284 Resp: 290  
Ion Ratio Lower Upper  
284 100  
142 35.5 32.0 48.0  
249 32.1 27.0 40.6

Manual Integrations  
APPROVED

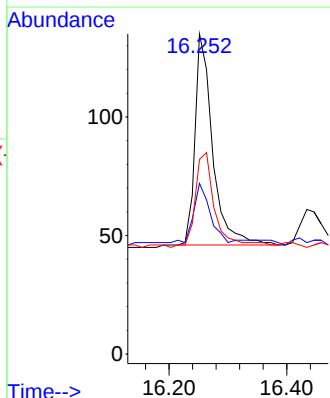
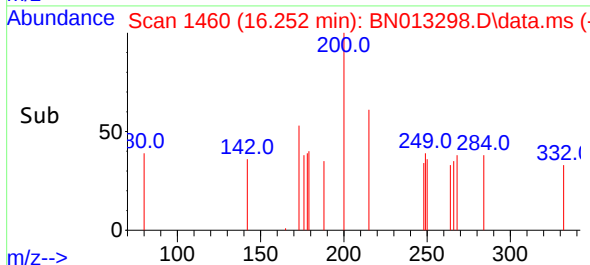
mohammad  
12/24/2020 10:42:27 AM

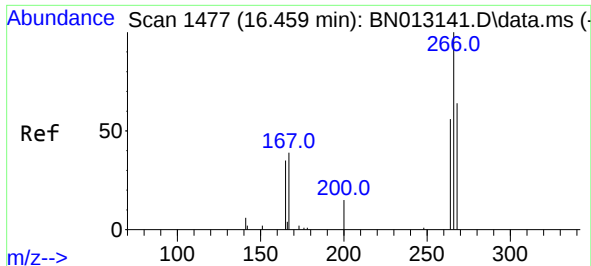


#23  
Atrazine  
Concen: 0.11 ng  
RT: 16.252 min Scan# 1460  
Delta R.T. -0.013 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

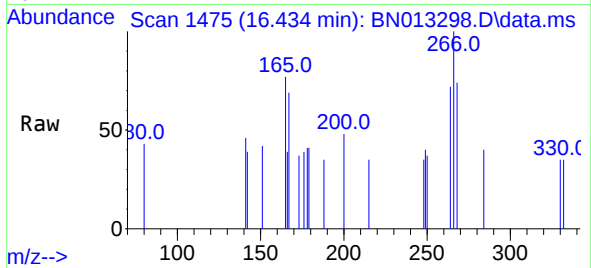


Tgt Ion:200 Resp: 185  
Ion Ratio Lower Upper  
200 100  
173 53.3 22.8 34.2#  
215 60.7 38.1 57.1#

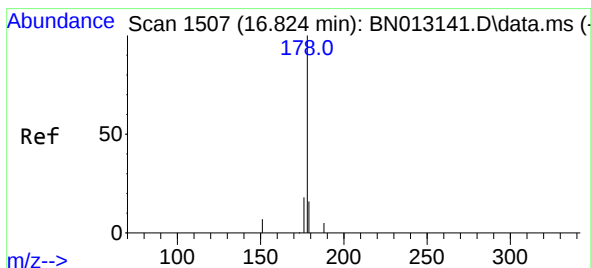
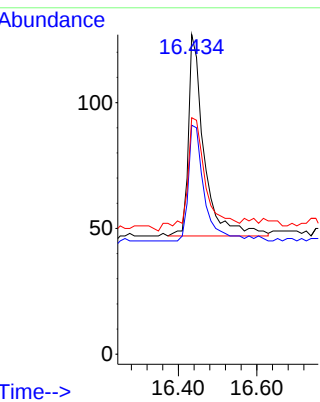
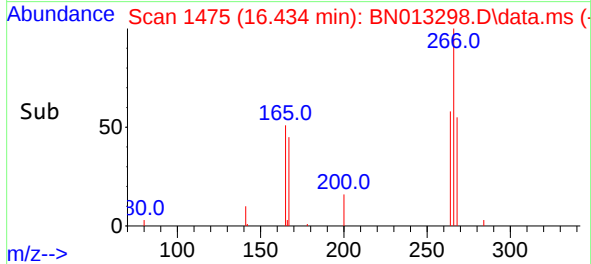




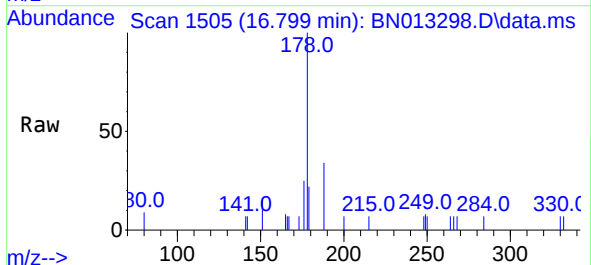
#24  
Pentachlorophenol  
Concen: 0.27 ng  
RT: 16.434 min Scan# 1475  
Delta R.T. -0.001 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37



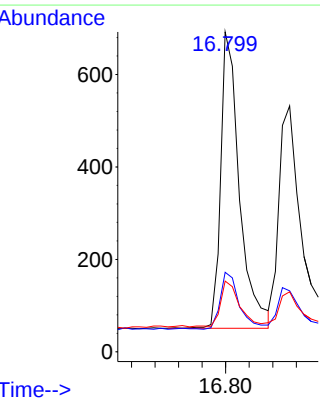
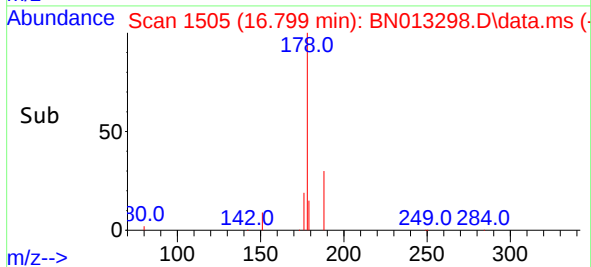
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 223  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 57.8  | 50.9  | 76.3 |
| 268       | 56.5  | 51.5  | 77.3 |



#25  
Phenanthrene  
Concen: 0.15 ng  
RT: 16.799 min Scan# 1505  
Delta R.T. -0.013 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37



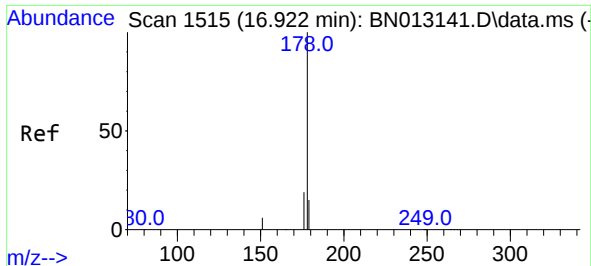
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 1417 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 176       | 19.2  | 14.8  | 22.2 |
| 179       | 15.5  | 12.4  | 18.6 |



Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS

Manual Integrations  
APPROVED

mohammad  
12/24/2020 10:42:27 AM



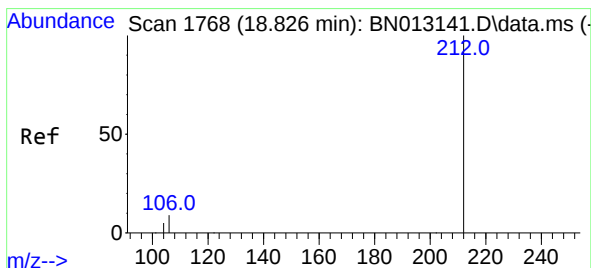
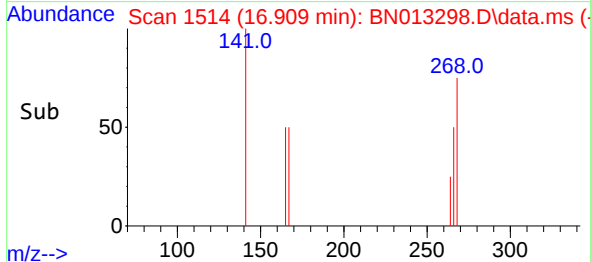
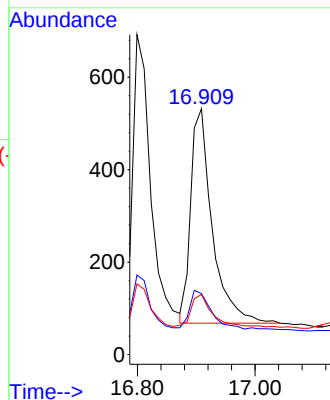
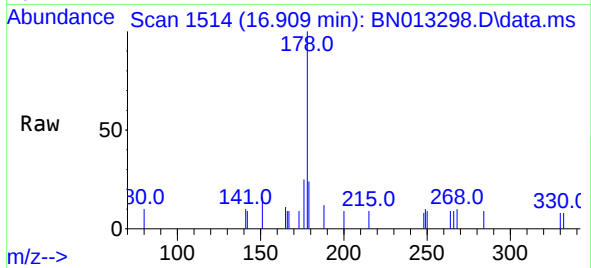
#26  
 Anthracene  
 Concen: 0.14 ng  
 RT: 16.909 min Scan# 1514  
 Delta R.T. 0.012 min  
 Lab File: BN013298.D  
 Acq: 23 Dec 2020 14:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 1179  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 18.7  | 14.8  | 22.2  |
| 179      | 15.4  | 12.5  | 18.7  |

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE125D3-20201210MS

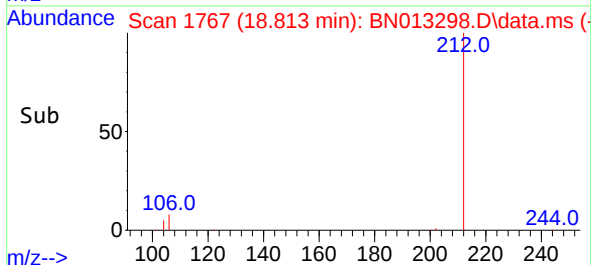
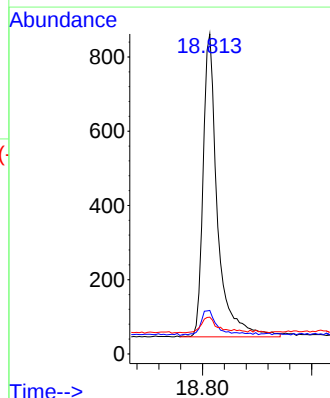
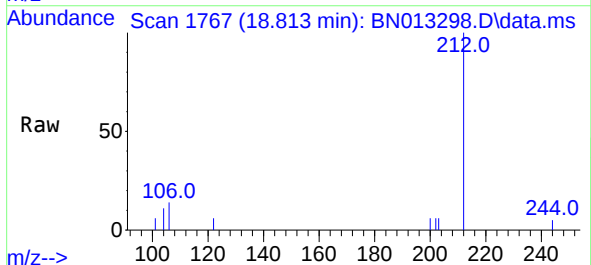
Manual Integrations  
 APPROVED

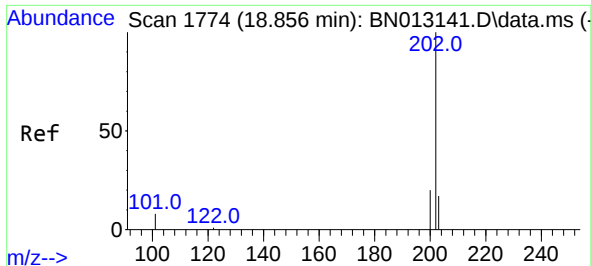
mohammad  
 12/24/2020 10:42:27 AM



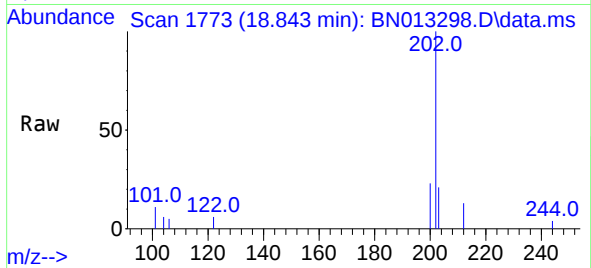
#27  
 Fluoranthene-d10  
 Concen: 0.16 ng  
 RT: 18.813 min Scan# 1767  
 Delta R.T. -0.003 min  
 Lab File: BN013298.D  
 Acq: 23 Dec 2020 14:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 212   | Resp: | 1495  |
| Ion      | Ratio | Lower | Upper |
| 212      | 100   |       |       |
| 106      | 8.0   | 6.8   | 10.2  |
| 104      | 5.6   | 4.1   | 6.1   |

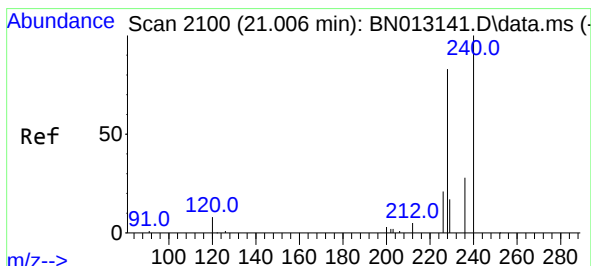
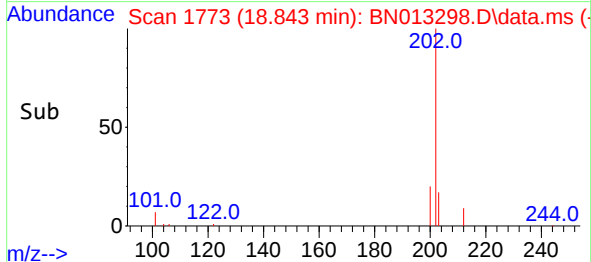
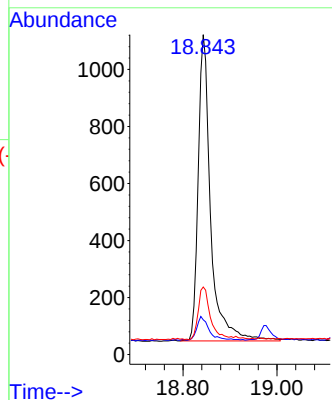




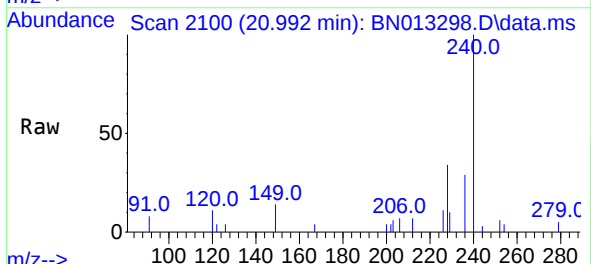
#28  
Fluoranthene  
Concen: 0.17 ng  
RT: 18.843 min Scan# 1773  
Delta R.T. -0.003 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37



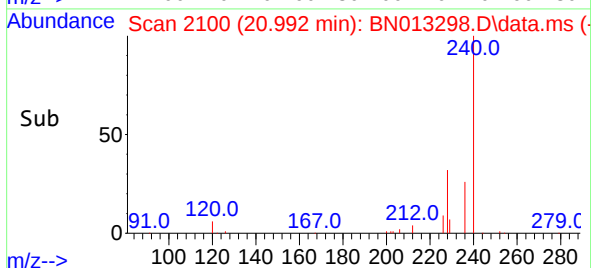
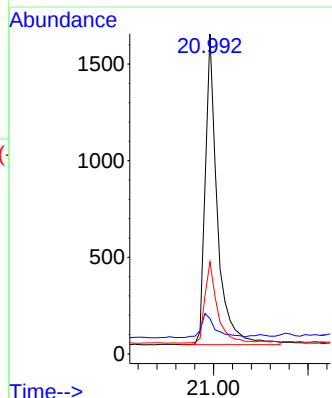
Tgt Ion:202 Resp: 1971  
Ion Ratio Lower Upper  
202 100  
101 7.4 5.8 8.6  
203 16.7 13.7 20.5



#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 20.992 min Scan# 2100  
Delta R.T. -0.003 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37



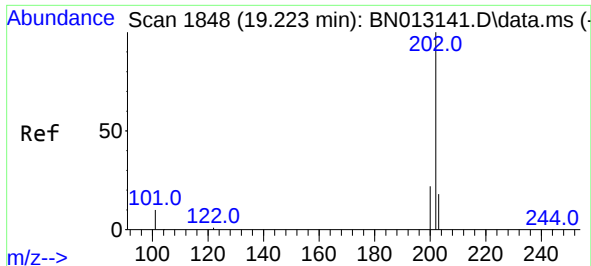
Tgt Ion:240 Resp: 2855  
Ion Ratio Lower Upper  
240 100  
120 11.1 5.3 7.9#  
236 28.7 21.8 32.8



Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS

Manual Integrations  
APPROVED

mohammad  
12/24/2020 10:42:27 AM



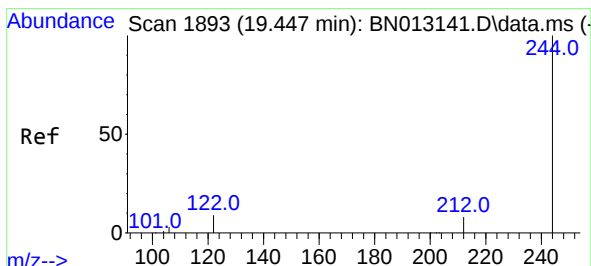
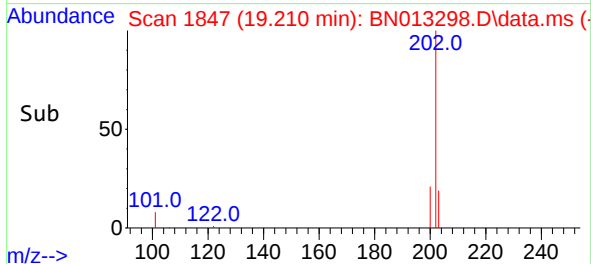
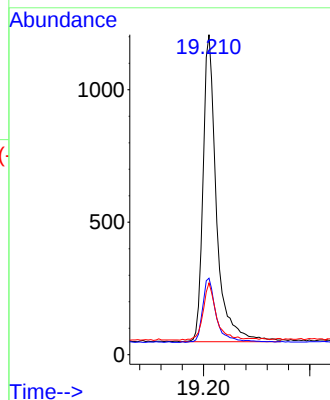
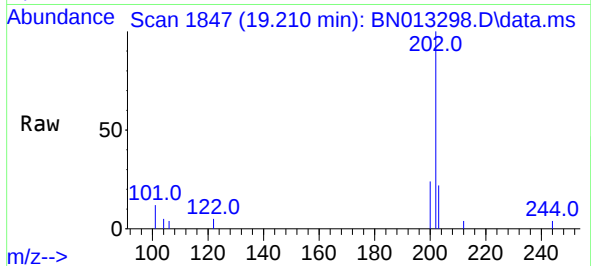
#30  
Pyrene  
Concen: 0.18 ng  
RT: 19.210 min Scan# 1847  
Delta R.T. -0.003 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 2040  |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 200      | 21.1  | 16.6  | 24.8  |
| 203      | 18.1  | 13.8  | 20.8  |

Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS

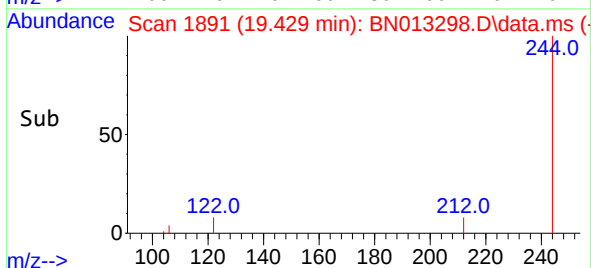
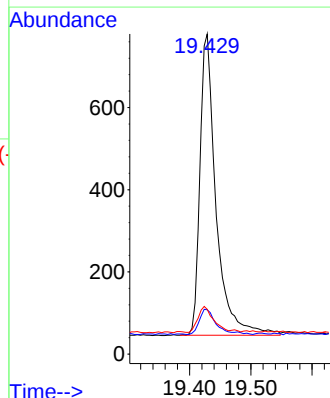
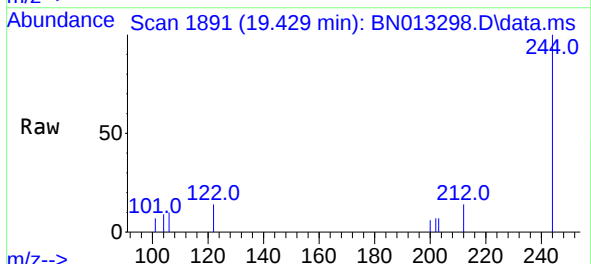
Manual Integrations  
APPROVED

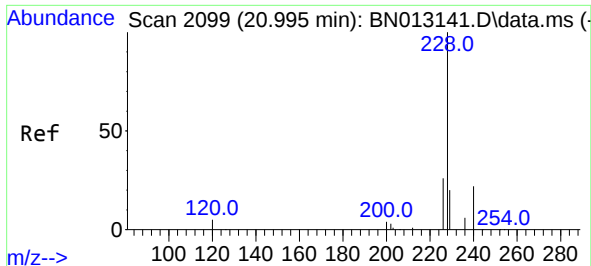
mohammad  
12/24/2020 10:42:27 AM



#31  
Terphenyl-d14  
Concen: 0.18 ng  
RT: 19.429 min Scan# 1891  
Delta R.T. -0.003 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

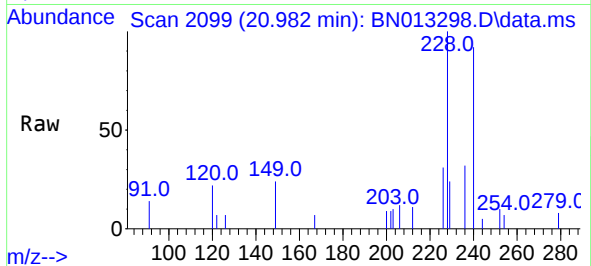
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 244   | Resp: | 1338  |
| Ion      | Ratio | Lower | Upper |
| 244      | 100   |       |       |
| 212      | 13.9  | 7.3   | 10.9# |
| 122      | 14.0  | 7.3   | 10.9# |





#32  
Benzo(a)anthracene  
Concen: 0.16 ng m  
RT: 20.982 min Scan# 2099  
Delta R.T. -0.003 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

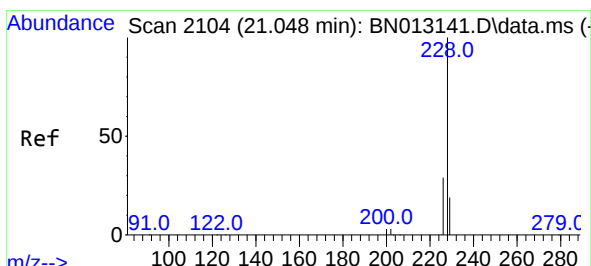
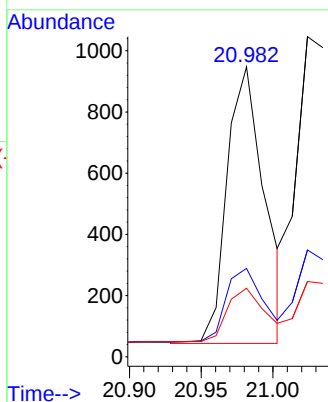
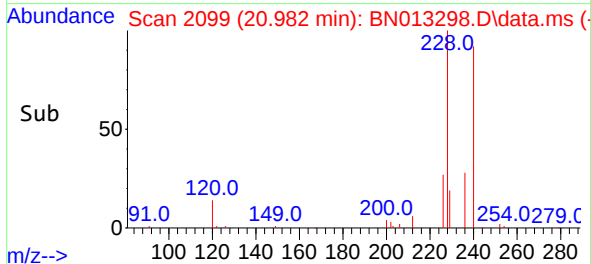
Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS



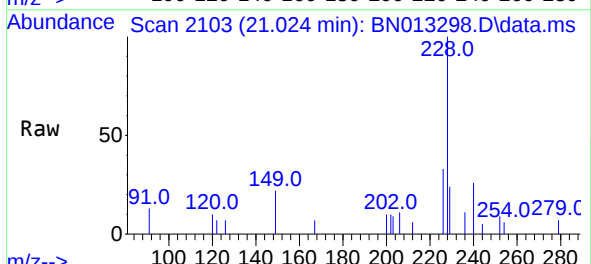
Tgt Ion:228 Resp: 1644  
Ion Ratio Lower Upper  
228 100  
226 30.5 22.3 33.5  
229 23.7 15.7 23.5#

Manual Integrations  
APPROVED

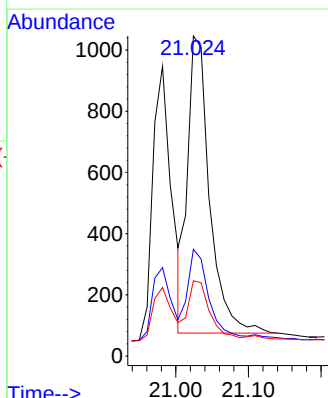
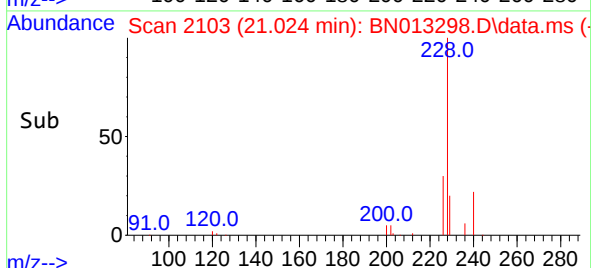
mohammad  
12/24/2020 10:42:27 AM

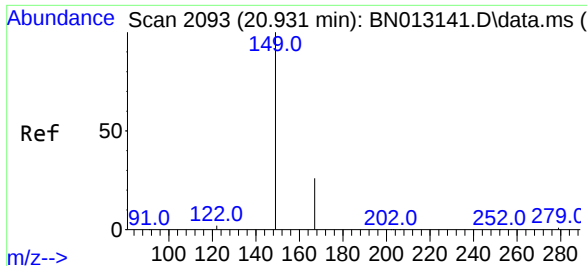


#33  
Chrysene  
Concen: 0.19 ng  
RT: 21.024 min Scan# 2103  
Delta R.T. -0.014 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37



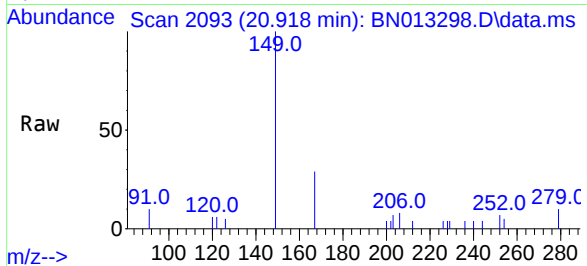
Tgt Ion:228 Resp: 2049  
Ion Ratio Lower Upper  
228 100  
226 33.4 24.2 36.2  
229 23.5 15.7 23.5





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.04 ng  
RT: 20.918 min Scan# 2093  
Delta R.T. -0.003 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

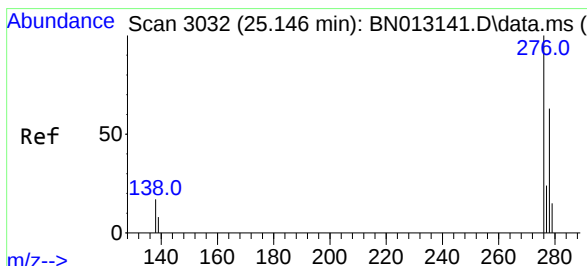
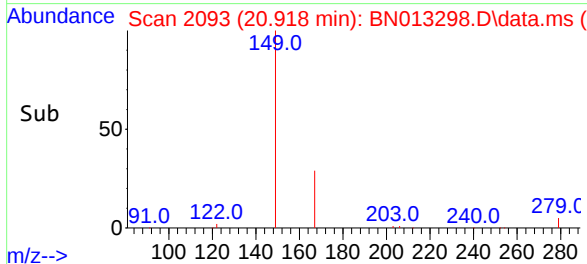
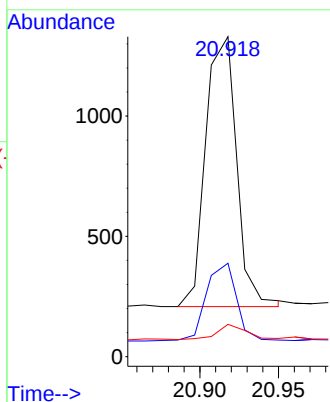
Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS



Tgt Ion:149 Resp: 1543  
Ion Ratio Lower Upper  
149 100  
167 27.0 23.2 34.8  
279 5.3 3.9 5.9

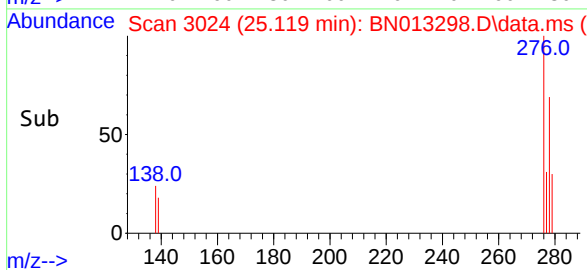
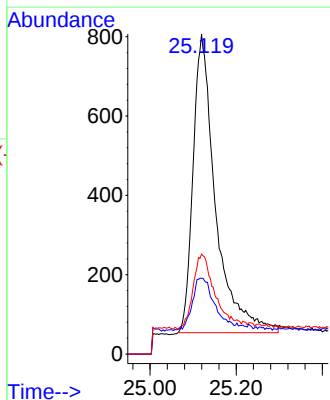
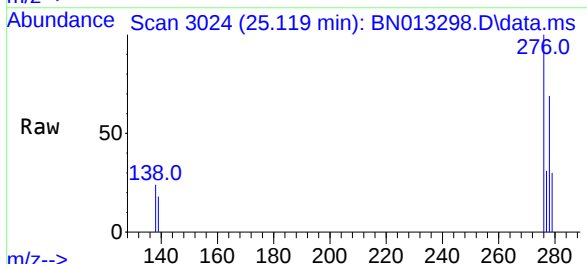
Manual Integrations  
APPROVED

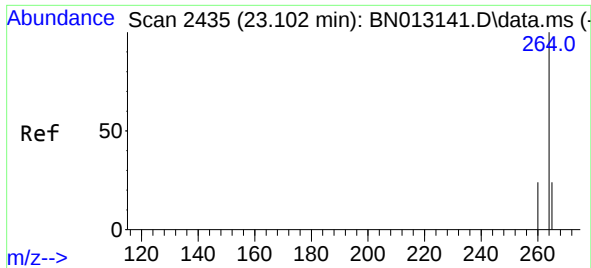
mohammad  
12/24/2020 10:42:27 AM



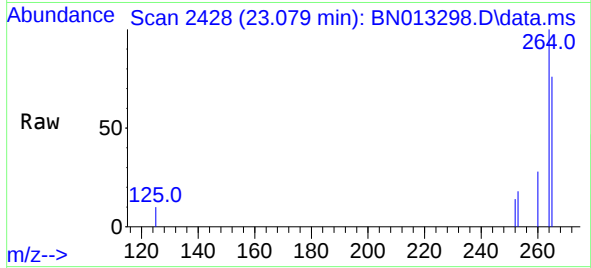
#35  
Indeno(1,2,3-cd)pyrene  
Concen: 0.19 ng  
RT: 25.119 min Scan# 3024  
Delta R.T. -0.003 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

Tgt Ion:276 Resp: 2725  
Ion Ratio Lower Upper  
276 100  
138 14.5 13.3 19.9  
277 21.9 20.2 30.4

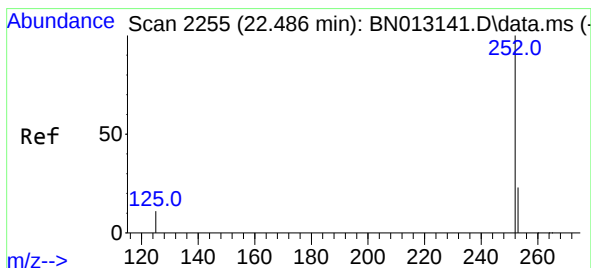
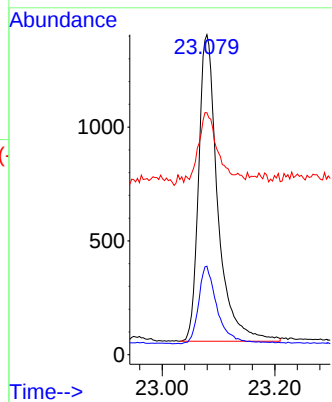
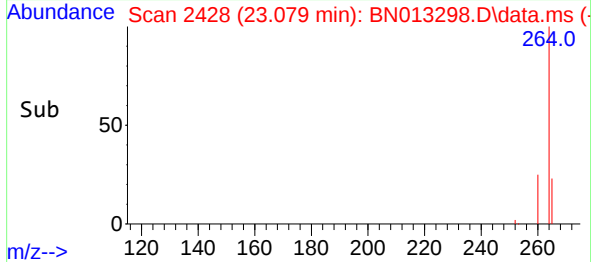




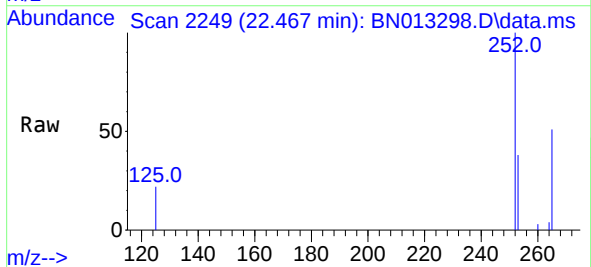
#36  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.079 min Scan# 2428  
Delta R.T. -0.006 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37



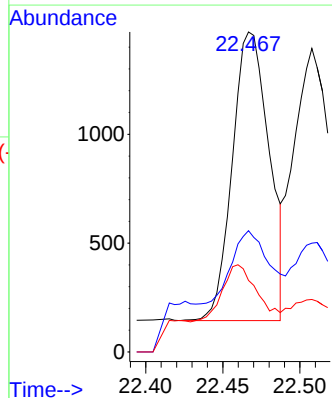
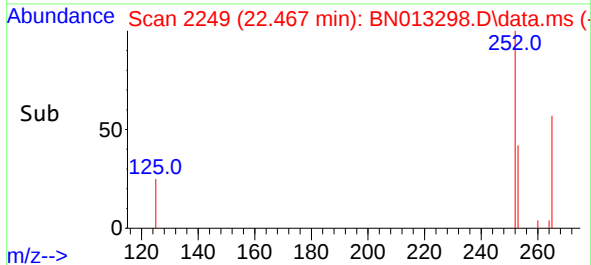
Tgt Ion:264 Resp: 3184  
Ion Ratio Lower Upper  
264 100  
260 27.7 19.8 29.6  
265 75.6 51.4 77.0



#37  
Benzo(b)fluoranthene  
Concen: 0.20 ng  
RT: 22.467 min Scan# 2249  
Delta R.T. -0.006 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37



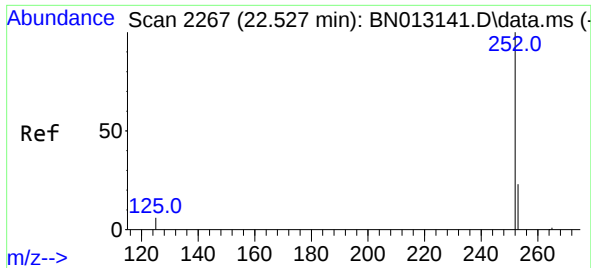
Tgt Ion:252 Resp: 2202  
Ion Ratio Lower Upper  
252 100  
253 37.9 20.1 30.1#  
125 22.4 7.2 10.8#



Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS

Manual Integrations  
APPROVED

mohammad  
12/24/2020 10:42:27 AM



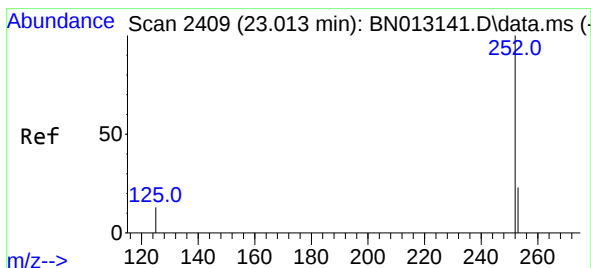
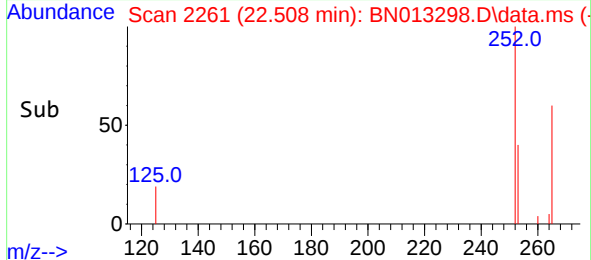
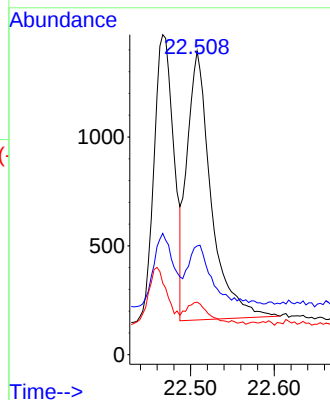
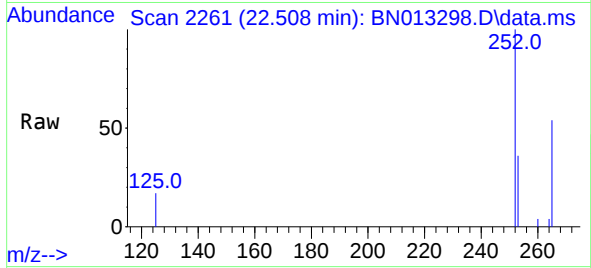
#38  
Benzo(k)fluoranthene  
Concen: 0.19 ng  
RT: 22.508 min Scan# 2261  
Delta R.T. -0.006 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

Tgt Ion:252 Resp: 2466  
Ion Ratio Lower Upper  
252 100  
253 35.9 19.8 29.8#  
125 17.3 7.1 10.7#

Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS

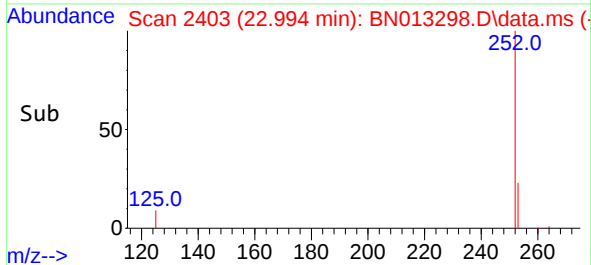
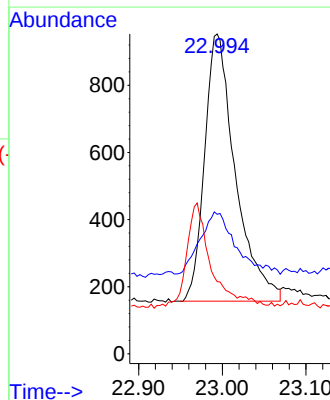
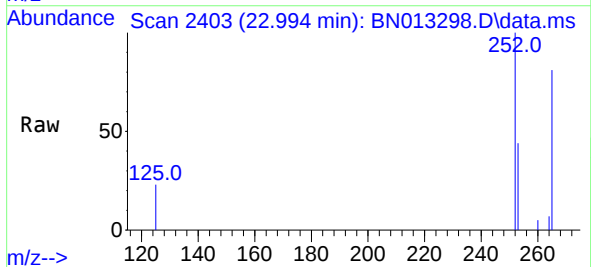
Manual Integrations  
APPROVED

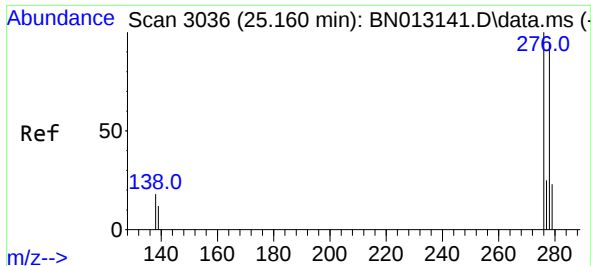
mohammad  
12/24/2020 10:42:27 AM



#39  
Benzo(a)pyrene  
Concen: 0.18 ng  
RT: 22.994 min Scan# 2403  
Delta R.T. -0.006 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

Tgt Ion:252 Resp: 2035  
Ion Ratio Lower Upper  
252 100  
253 43.7 21.3 31.9#  
125 22.6 8.3 12.5#





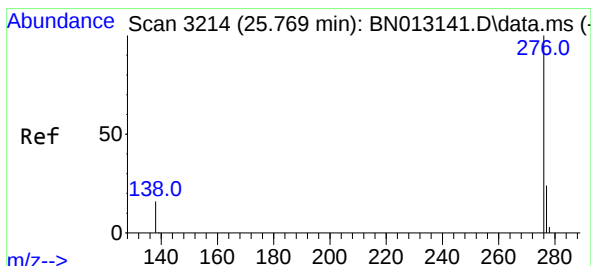
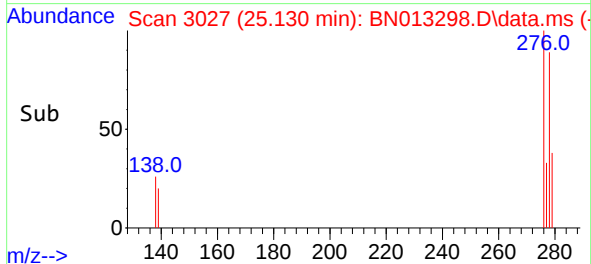
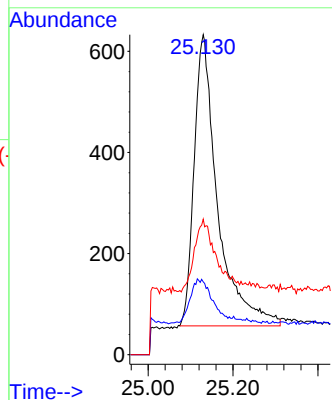
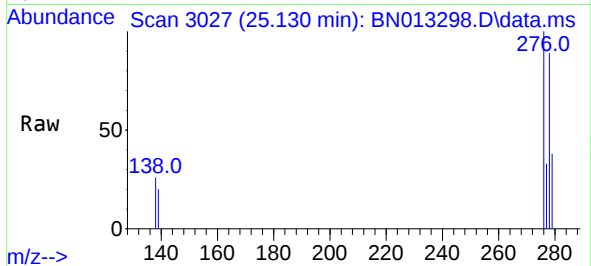
#40  
Dibenzo(a,h)anthracene  
Concen: 0.18 ng  
RT: 25.130 min Scan# 3027  
Delta R.T. -0.003 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

Tgt Ion: 278 Resp: 2213  
Ion Ratio Lower Upper  
278 100  
139 22.7 9.3 13.9#  
279 42.3 21.6 32.4#

Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20201210MS

Manual Integrations  
APPROVED

mohammad  
12/24/2020 10:42:27 AM



#41  
Benzo(g,h,i)perylene  
Concen: 0.19 ng  
RT: 25.739 min Scan# 3205  
Delta R.T. -0.003 min  
Lab File: BN013298.D  
Acq: 23 Dec 2020 14:37

Tgt Ion: 276 Resp: 2467  
Ion Ratio Lower Upper  
276 100  
277 31.7 19.8 29.8#  
138 22.3 11.7 17.5#

