

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092421\  
 Data File : BN016464.D  
 Acq On : 25 Sep 2021 08:25  
 Operator : CG/JU  
 Sample : M3782-15  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE131D3-20210915

Manual Integrations  
 APPROVED

mohammad  
 9/27/2021 3:03:33 PM

Quant Time: Sep 26 07:02:17 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  | 22567    | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.432 | 136  | 97770    | 0.40 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.294 | 164  | 50103    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.042 | 188  | 103470   | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.249 | 240  | 98151    | 0.40 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.515 | 264  | 86102    | 0.40 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.300  | 112  | 6516     | 0.13 | ng    | 0.02     |
| 5) Phenol-d6                  | 6.849  | 99   | 4146     | 0.07 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.810  | 82   | 21985    | 0.32 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.029 | 152  | 47074    | 0.32 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.791 | 330  | 4253     | 0.35 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.911 | 172  | 66977    | 0.32 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.088 | 212  | 111797   | 0.39 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.698 | 244  | 93568    | 0.41 | ng    | 0.00     |
| Target Compounds              |        |      |          |      |       |          |
| 2) 1,4-Dioxane                | 3.290  | 88   | 18521m   | 1.92 | ng    | Qvalue   |
| 24) Pentachlorophenol         | 16.701 | 266  | 55       | 0.25 | ng    | 94       |
| 25) Phenanthrene              | 17.090 | 178  | 8470     | 0.03 | ng    | # 89     |
| 34) Bis(2-ethylhexyl)phtha... | 21.185 | 149  | 14755    | 0.19 | ng    | 97       |
| -----                         |        |      |          |      |       |          |

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

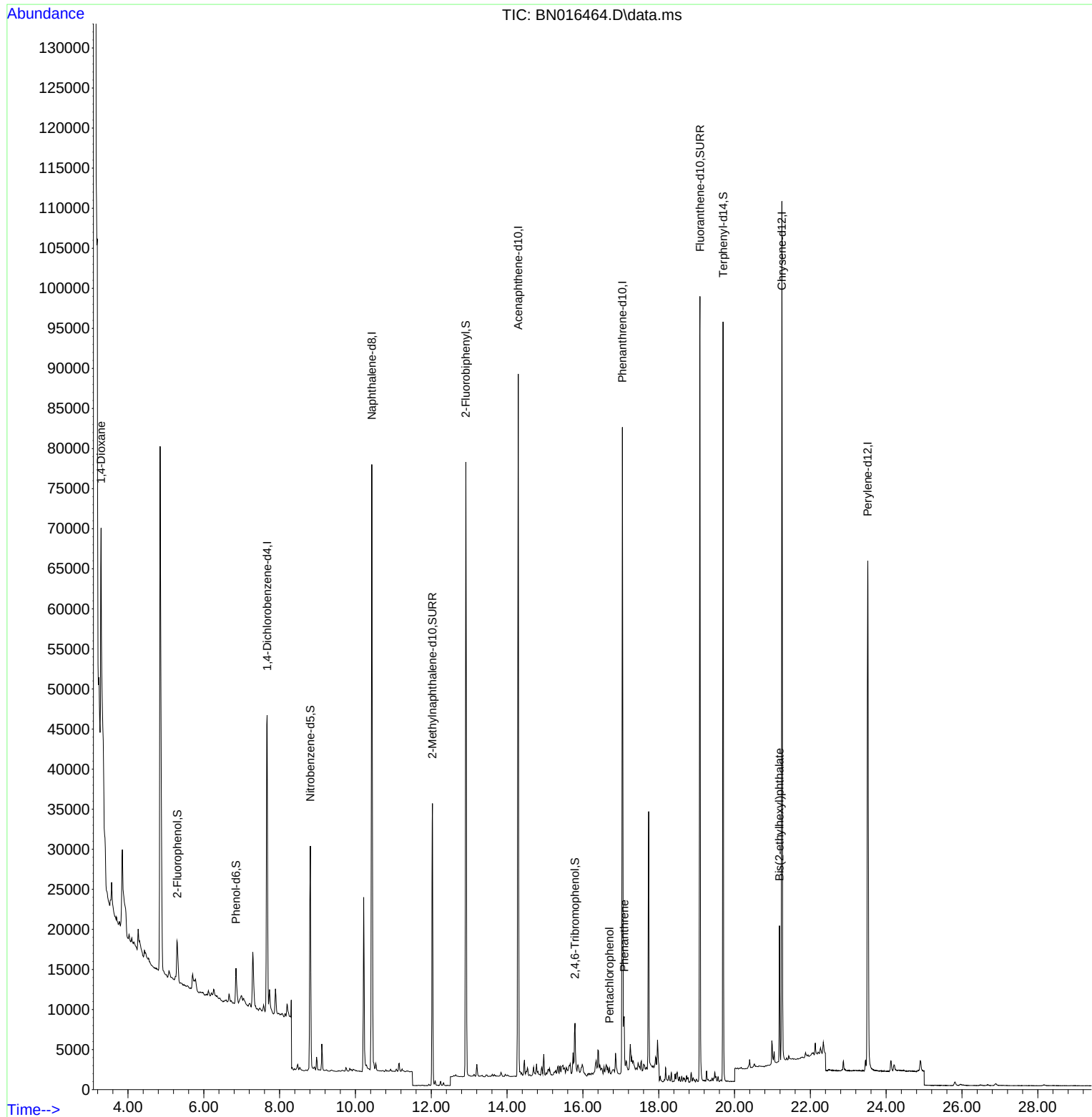
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092421\  
Data File : BN016464.D  
Acq On : 25 Sep 2021 08:25  
Operator : CG/JU  
Sample : M3782-15  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

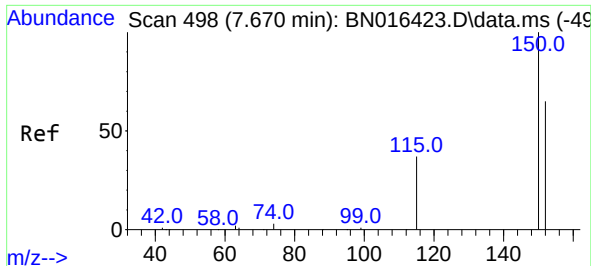
Instrument :  
BNA\_N  
ClientSampleId :  
RE131D3-20210915

Manual Integrations  
APPROVED

mohammad  
9/27/2021 3:03:33 PM

Quant Time: Sep 26 07:02:17 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





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.670 min Scan# 498  
 Delta R.T. -0.000 min  
 Lab File: BN016464.D  
 Acq: 25 Sep 2021 08:25

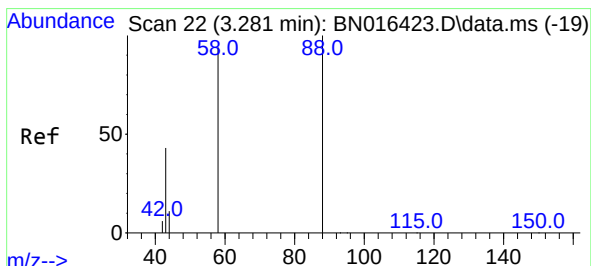
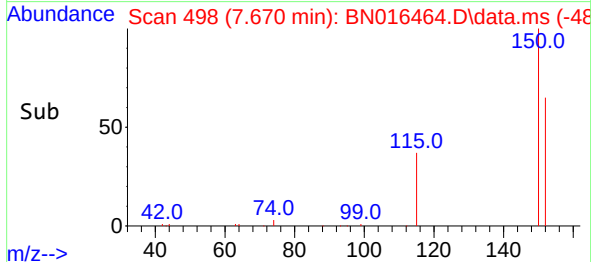
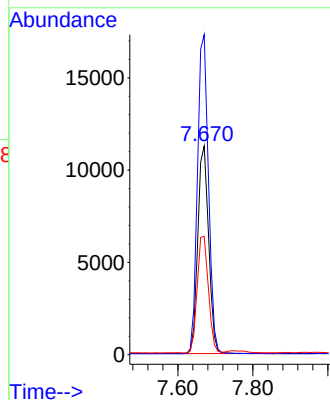
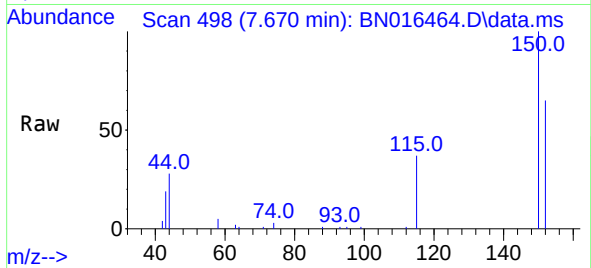
Tgt Ion: 152 Resp: 22567

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 153.3 | 125.6 | 188.4 |
| 115 | 56.7  | 50.2  | 75.2  |

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE131D3-20210915

Manual Integrations  
 APPROVED

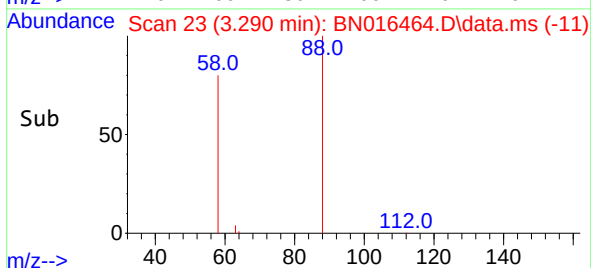
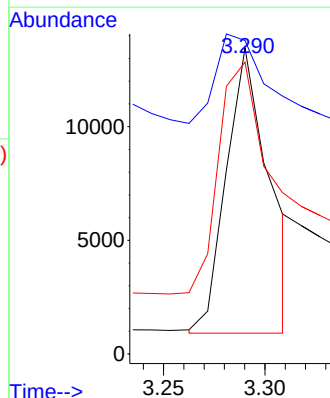
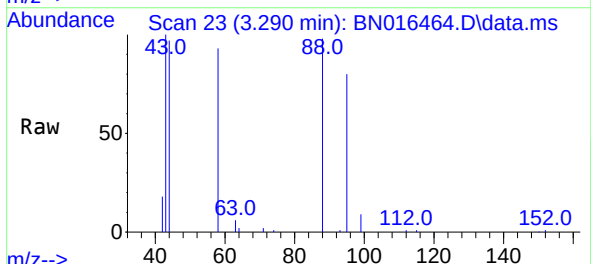
mohammad  
 9/27/2021 3:03:33 PM

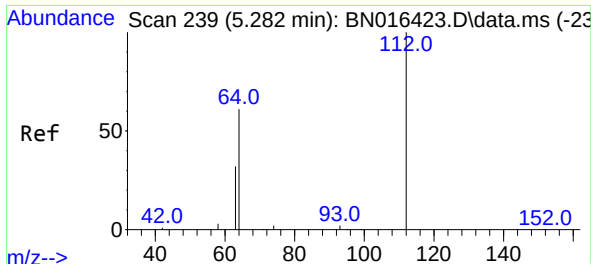


#2  
 1,4-Dioxane  
 Concen: 1.92 ng m  
 RT: 3.290 min Scan# 23  
 Delta R.T. 0.009 min  
 Lab File: BN016464.D  
 Acq: 25 Sep 2021 08:25

Tgt Ion: 88 Resp: 18521

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 36.4  | 20.3  | 30.5  |
| 58  | 104.8 | 69.9  | 104.9 |





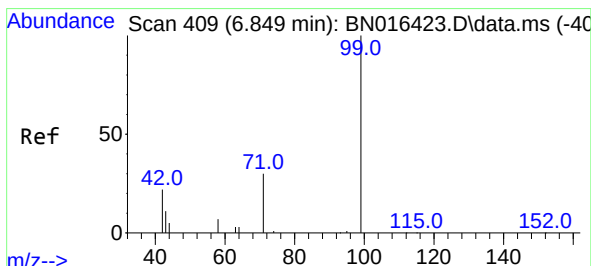
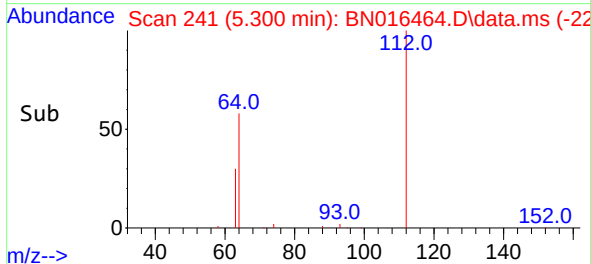
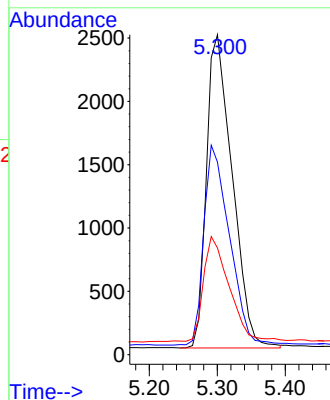
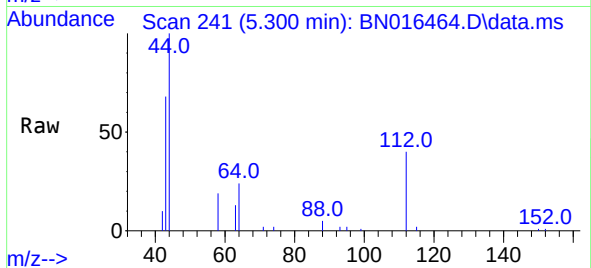
#4  
2-Fluorophenol  
Concen: 0.13 ng  
RT: 5.300 min Scan# 241  
Delta R.T. 0.019 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.3  | 47.3  | 70.9  |
| 63      | 33.5  | 23.4  | 35.0  |

Instrument :  
BNA\_N  
ClientSampleId :  
RE131D3-20210915

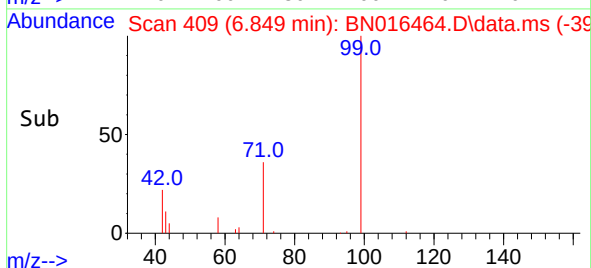
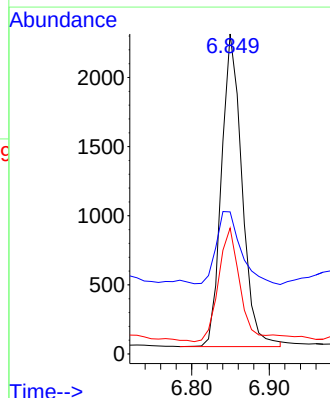
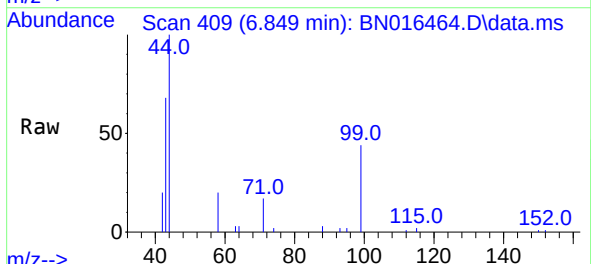
Manual Integrations  
APPROVED

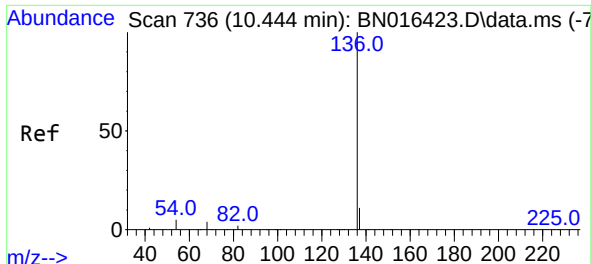
mohammad  
9/27/2021 3:03:33 PM



#5  
Phenol-d6  
Concen: 0.07 ng  
RT: 6.849 min Scan# 409  
Delta R.T. 0.000 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

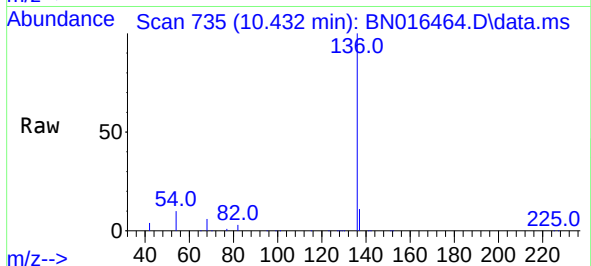
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 28.0  | 14.0  | 21.0# |
| 71      | 39.0  | 23.8  | 35.6# |





#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.432 min Scan# 735  
Delta R.T. -0.013 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

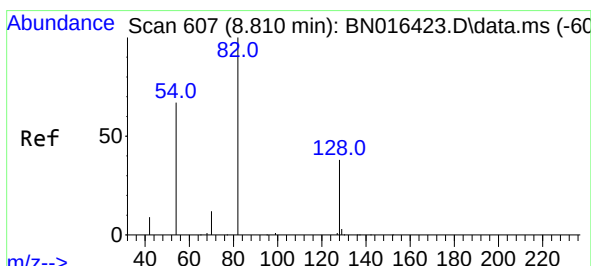
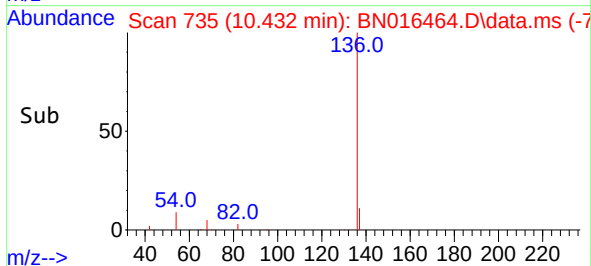
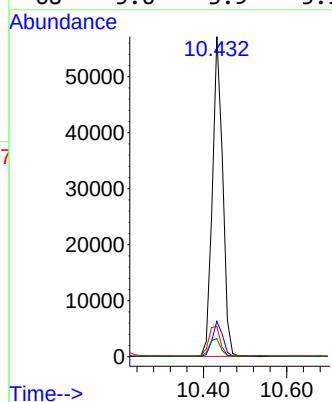
Instrument :  
BNA\_N  
ClientSampleId :  
RE131D3-20210915



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 97770 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.0  | 8.8   | 13.2  |
| 54       | 9.5   | 5.3   | 7.9#  |
| 68       | 5.6   | 3.9   | 5.9   |

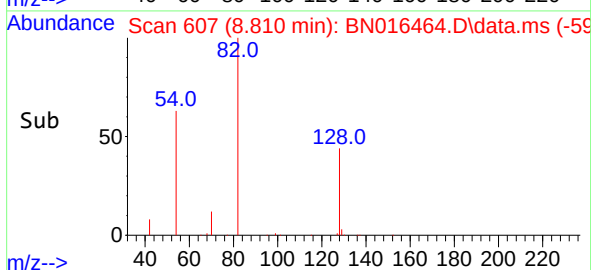
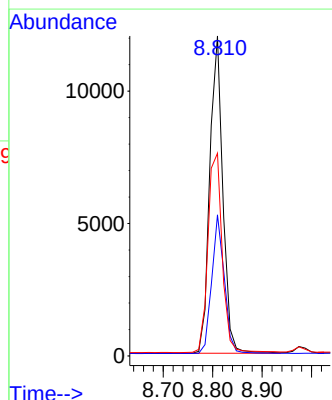
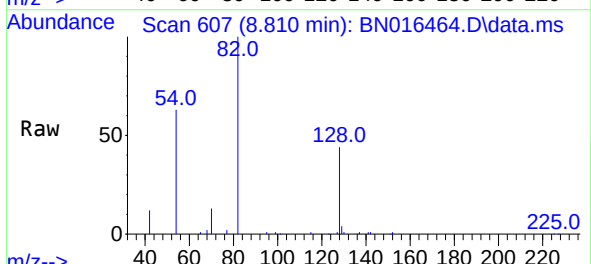
Manual Integrations  
APPROVED

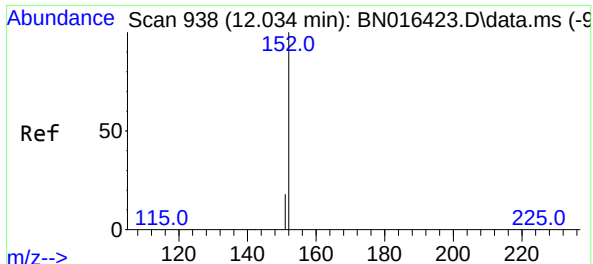
mohammad  
9/27/2021 3:03:33 PM



#8  
Nitrobenzene-d5  
Concen: 0.32 ng  
RT: 8.810 min Scan# 607  
Delta R.T. 0.000 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 21985 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 44.1  | 31.7  | 47.5  |
| 54       | 63.3  | 46.4  | 69.6  |





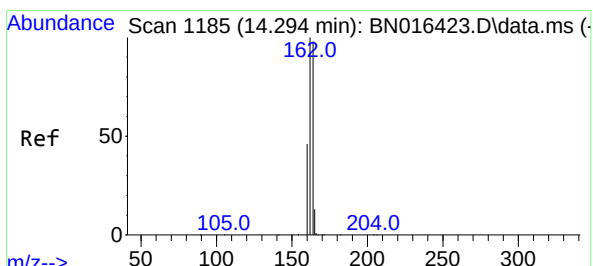
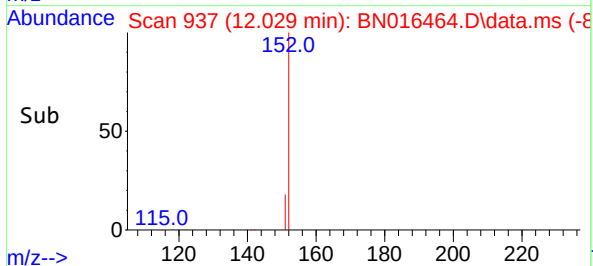
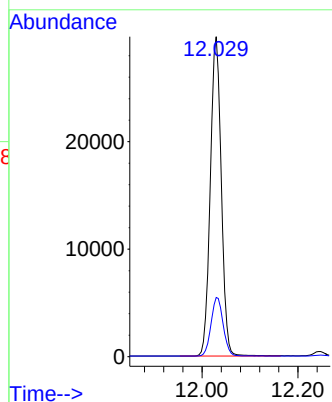
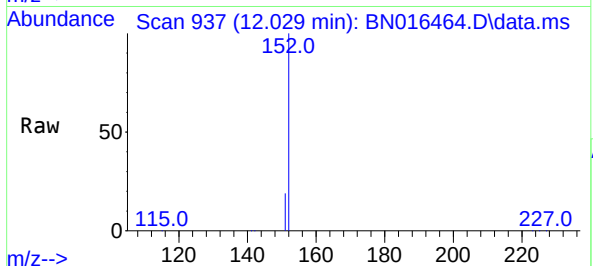
#11  
2-Methylnaphthalene-d10  
Concen: 0.32 ng  
RT: 12.029 min Scan# 937  
Delta R.T. -0.004 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

Tgt Ion:152 Resp: 47074  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.1 24.1

Instrument :  
BNA\_N  
ClientSampleId :  
RE131D3-20210915

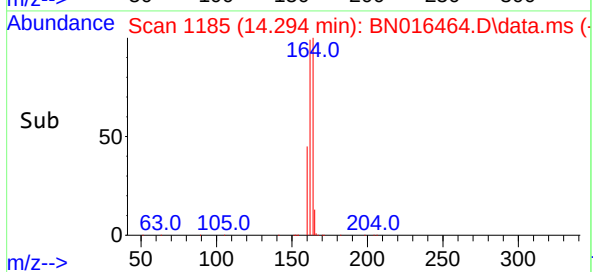
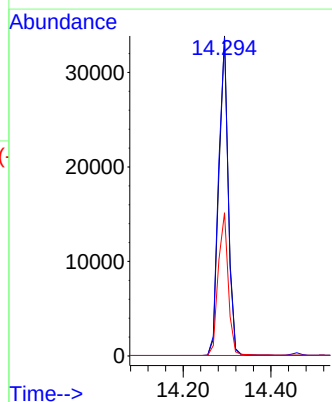
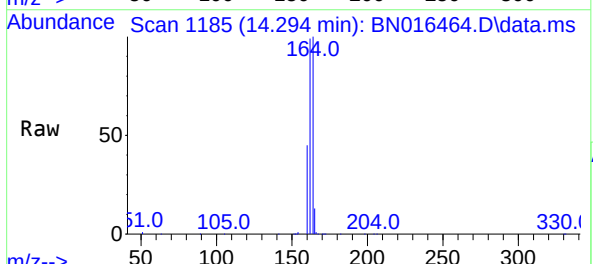
Manual Integrations  
APPROVED

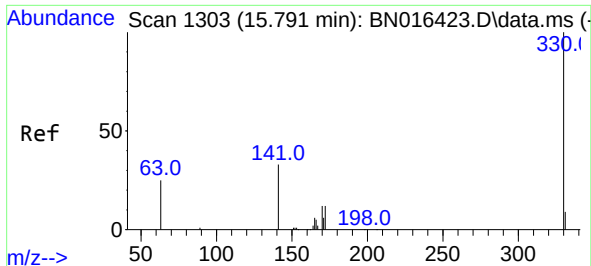
mohammad  
9/27/2021 3:03:33 PM



#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.294 min Scan# 1185  
Delta R.T. 0.000 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

Tgt Ion:164 Resp: 50103  
Ion Ratio Lower Upper  
164 100  
162 99.5 79.0 118.4  
160 44.8 34.1 51.1





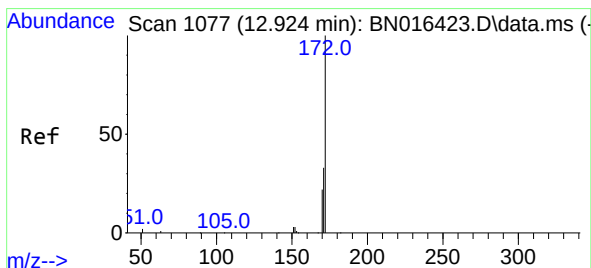
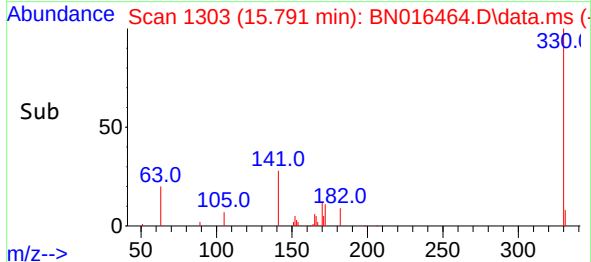
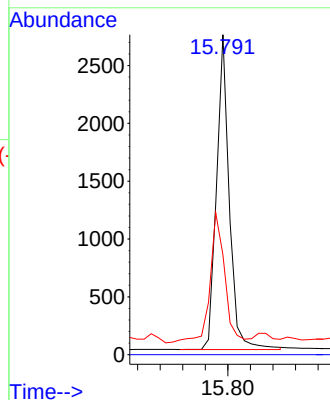
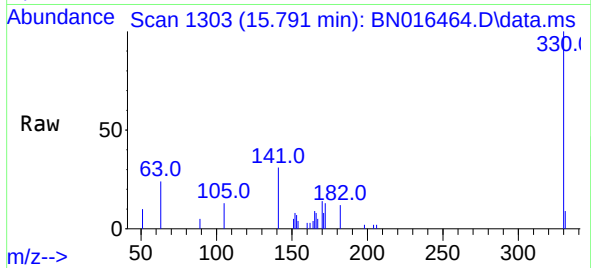
#14  
2,4,6-Tribromophenol  
Concen: 0.35 ng  
RT: 15.791 min Scan# 1303  
Delta R.T. 0.000 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

Tgt Ion: 330 Resp: 4253  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 43.3 25.0 37.4#

Instrument :  
BNA\_N  
ClientSampleId :  
RE131D3-20210915

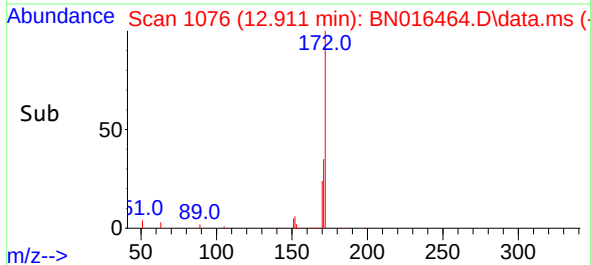
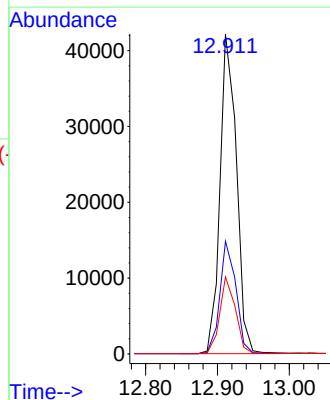
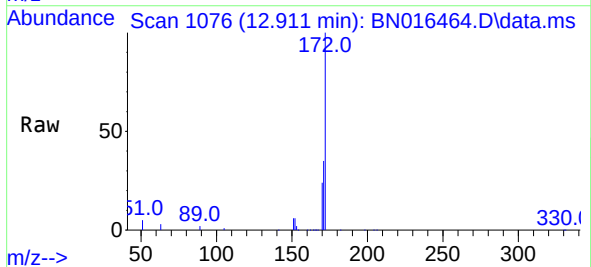
Manual Integrations  
APPROVED

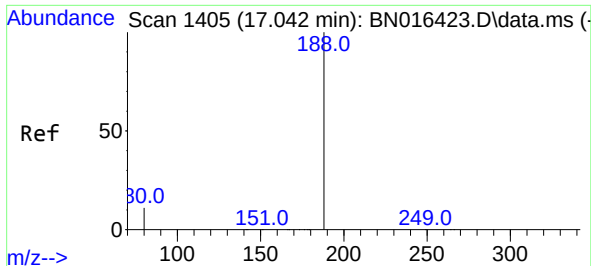
mohammad  
9/27/2021 3:03:33 PM



#15  
2-Fluorobiphenyl  
Concen: 0.32 ng  
RT: 12.911 min Scan# 1076  
Delta R.T. -0.013 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

Tgt Ion: 172 Resp: 66977  
Ion Ratio Lower Upper  
172 100  
171 35.3 27.8 41.6  
170 24.1 18.2 27.2





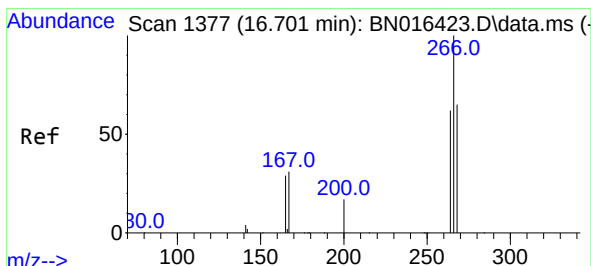
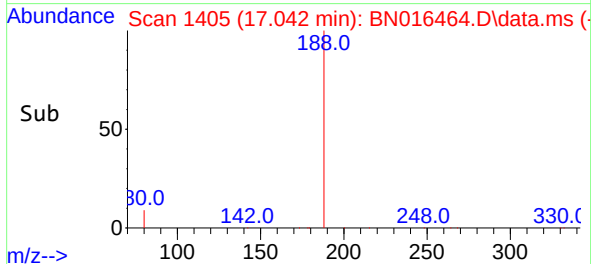
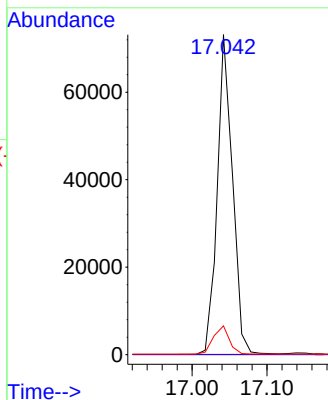
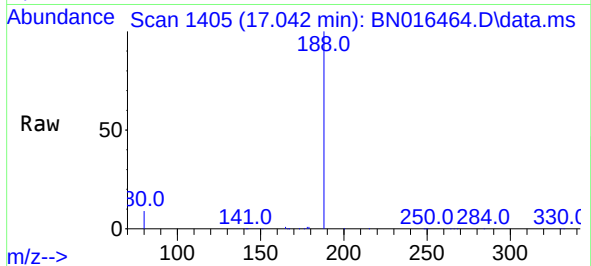
#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.042 min Scan# 1405  
Delta R.T. -0.000 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

Tgt Ion:188 Resp: 103470  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.0 7.0 10.6

Instrument :  
BNA\_N  
ClientSampleId :  
RE131D3-20210915

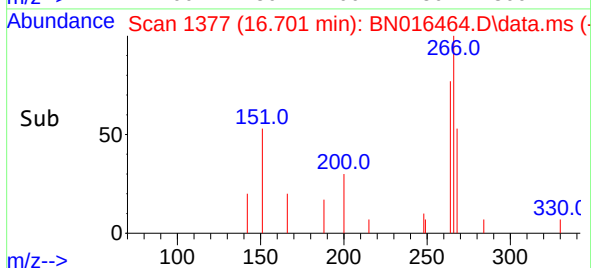
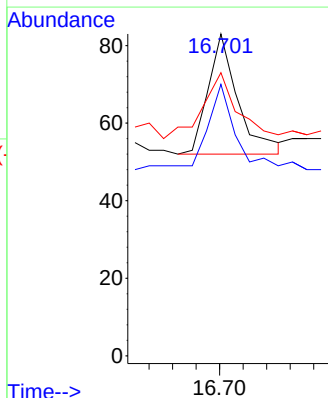
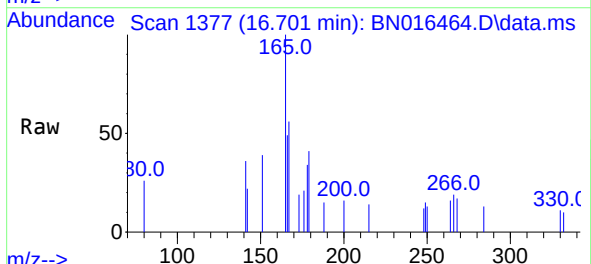
Manual Integrations  
APPROVED

mohammad  
9/27/2021 3:03:33 PM

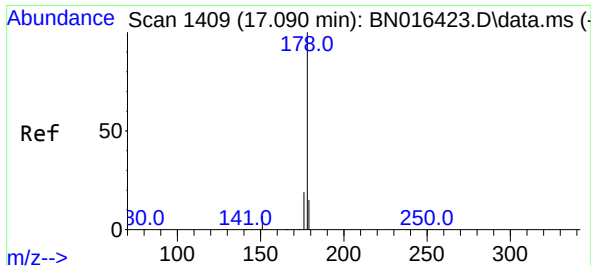


#24  
Pentachlorophenol  
Concen: 0.25 ng  
RT: 16.701 min Scan# 1377  
Delta R.T. 0.000 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

Tgt Ion:266 Resp: 55  
Ion Ratio Lower Upper  
266 100  
264 70.9 50.6 75.8  
268 63.6 52.6 79.0







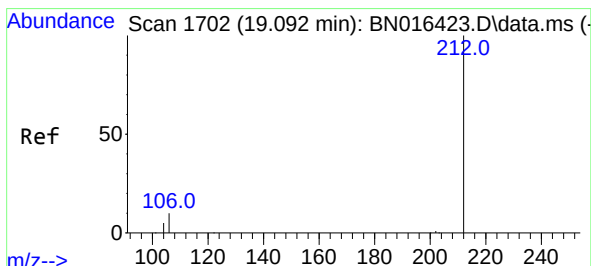
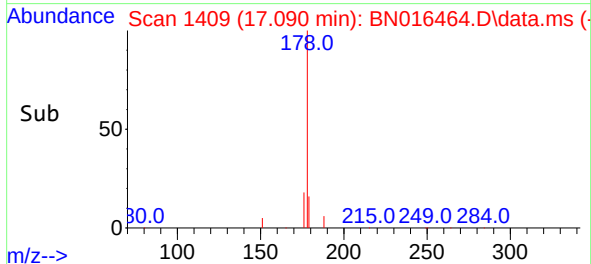
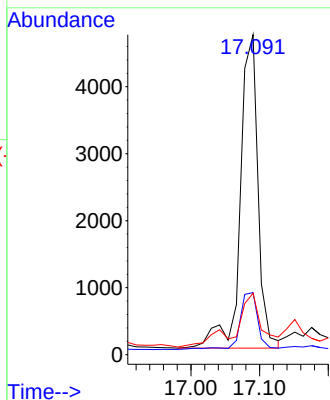
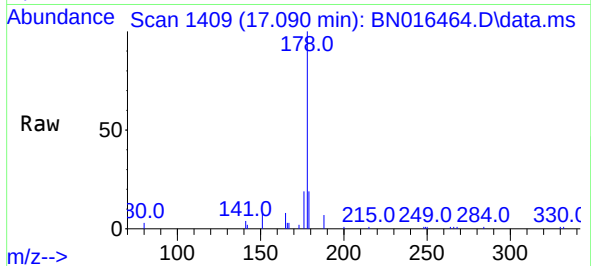
#25  
Phenanthrene  
Concen: 0.03 ng  
RT: 17.090 min Scan# 1409  
Delta R.T. 0.000 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

Tgt Ion:178 Resp: 8470  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.4 21.6  
179 24.7 12.2 18.4#

Instrument :  
BNA\_N  
ClientSampleId :  
RE131D3-20210915

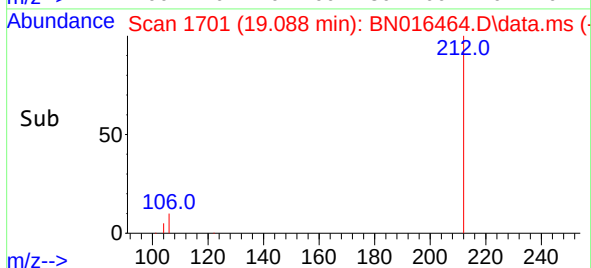
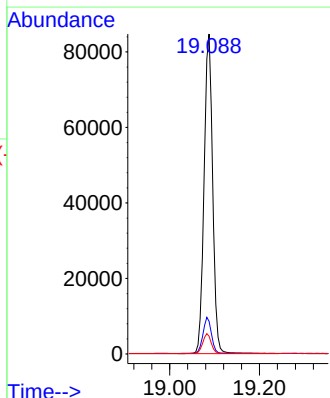
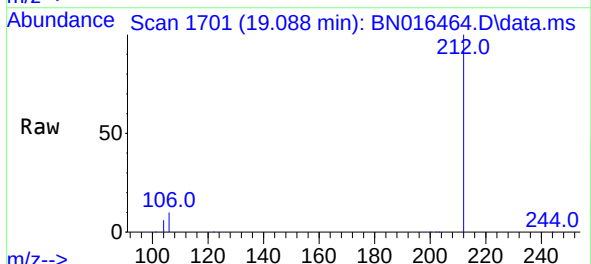
Manual Integrations  
APPROVED

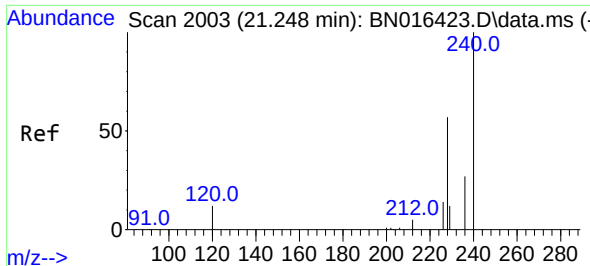
mohammad  
9/27/2021 3:03:33 PM



#27  
Fluoranthene-d10  
Concen: 0.39 ng  
RT: 19.088 min Scan# 1701  
Delta R.T. -0.005 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

Tgt Ion:212 Resp: 111797  
Ion Ratio Lower Upper  
212 100  
106 11.2 9.8 14.6  
104 6.1 5.4 8.2





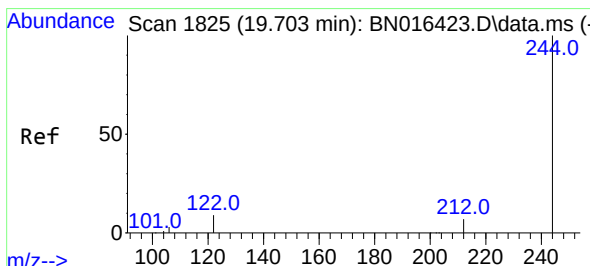
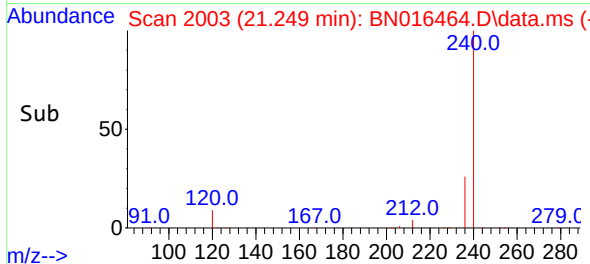
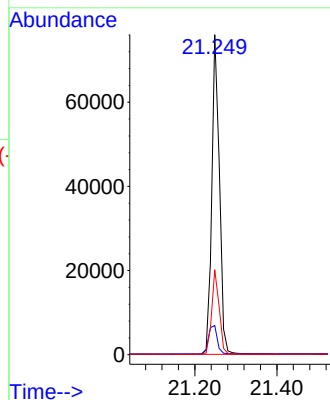
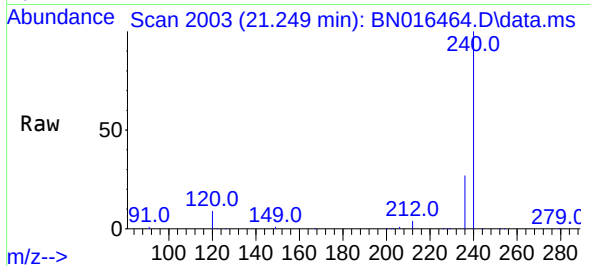
#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.249 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

Tgt Ion:240 Resp: 98151  
Ion Ratio Lower Upper  
240 100  
120 9.1 5.3 7.9#  
236 26.5 19.8 29.8

Instrument :  
BNA\_N  
ClientSampleId :  
RE131D3-20210915

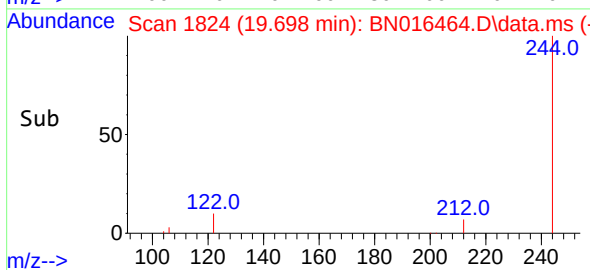
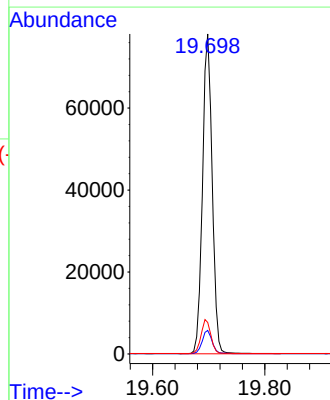
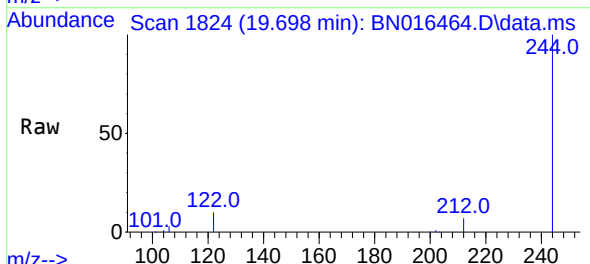
Manual Integrations  
APPROVED

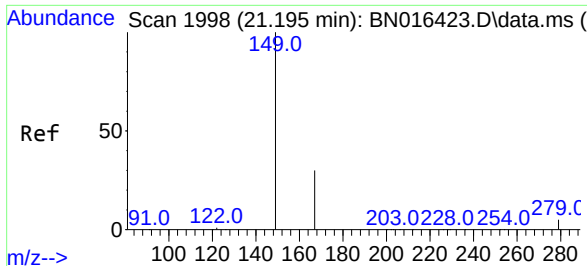
mohammad  
9/27/2021 3:03:33 PM



#31  
Terphenyl-d14  
Concen: 0.41 ng  
RT: 19.698 min Scan# 1824  
Delta R.T. -0.005 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

Tgt Ion:244 Resp: 93568  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.5 8.3  
122 9.8 9.0 13.4





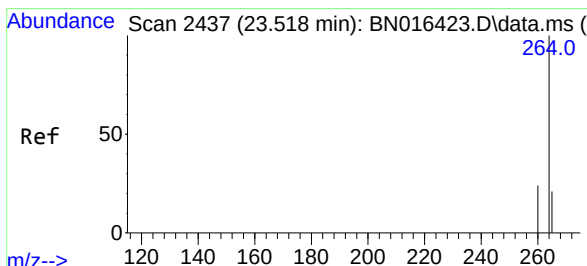
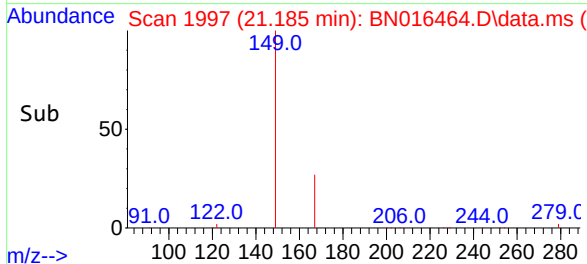
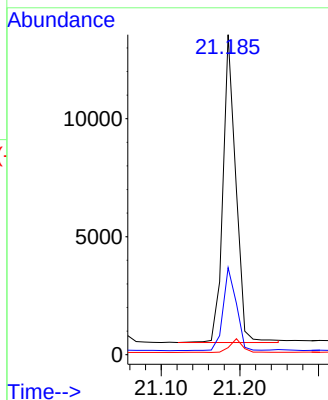
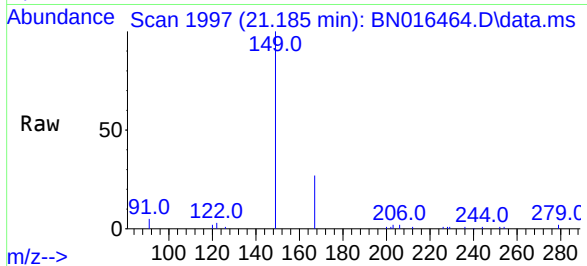
#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.19 ng  
RT: 21.185 min Scan# 1997  
Delta R.T. -0.010 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

Tgt Ion:149 Resp: 14755  
Ion Ratio Lower Upper  
149 100  
167 27.5 23.4 35.0  
279 4.4 3.9 5.9

Instrument :  
BNA\_N  
ClientSampleId :  
RE131D3-20210915

Manual Integrations  
APPROVED

mohammad  
9/27/2021 3:03:33 PM



#35  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.515 min Scan# 2436  
Delta R.T. -0.003 min  
Lab File: BN016464.D  
Acq: 25 Sep 2021 08:25

Tgt Ion:264 Resp: 86102  
Ion Ratio Lower Upper  
264 100  
260 24.6 18.9 28.3  
265 23.8 23.7 35.5

