

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110420\  
 Data File : BF122260.D  
 Acq On : 4 Nov 2020 13:31  
 Operator : JU/CG  
 Sample : L4606-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-1

Manual Integrations  
 APPROVED

mohammad  
 11/5/2020 11:32:41 AM

Quant Time: Nov 04 14:23:18 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 30 10:16:54 2020  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.710  | 152  | 81479    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.992  | 136  | 321583   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.745  | 164  | 151845   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.233 | 188  | 248218   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.886 | 240  | 193884   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.333 | 264  | 175119   | 20.00 | ng    | 0.03     |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.339  | 112  | 429520   | 77.80 | ng    | 0.00     |
| 7) Phenol-d6                | 6.375  | 99   | 559891   | 78.79 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.280  | 82   | 374047   | 59.65 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.545 | 330  | 113071   | 60.20 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.069  | 172  | 644066   | 62.41 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.815 | 244  | 497481   | 48.90 | ng    | 0.00     |
| Target Compounds            |        |      |          |       |       |          |
|                             |        |      |          |       |       | Qvalue   |
| 10) Phenol                  | 6.392  | 94   | 27046    | 3.69  | ng    | # 69     |
| 50) Dimethylphthalate       | 9.474  | 163  | 116106   | 10.46 | ng    | 99       |
| 75) Fluoranthene            | 12.457 | 202  | 36375    | 2.49  | ng    | 98       |
| 78) Pyrene                  | 12.686 | 202  | 39719    | 2.69  | ng    | 98       |
| 83) Chrysene                | 13.915 | 228  | 26196    | 2.10  | ng    | # 89     |
| 88) Benzo(b)fluoranthene    | 14.927 | 252  | 29797m   | 2.52  | ng    |          |
| -----                       |        |      |          |       |       |          |

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

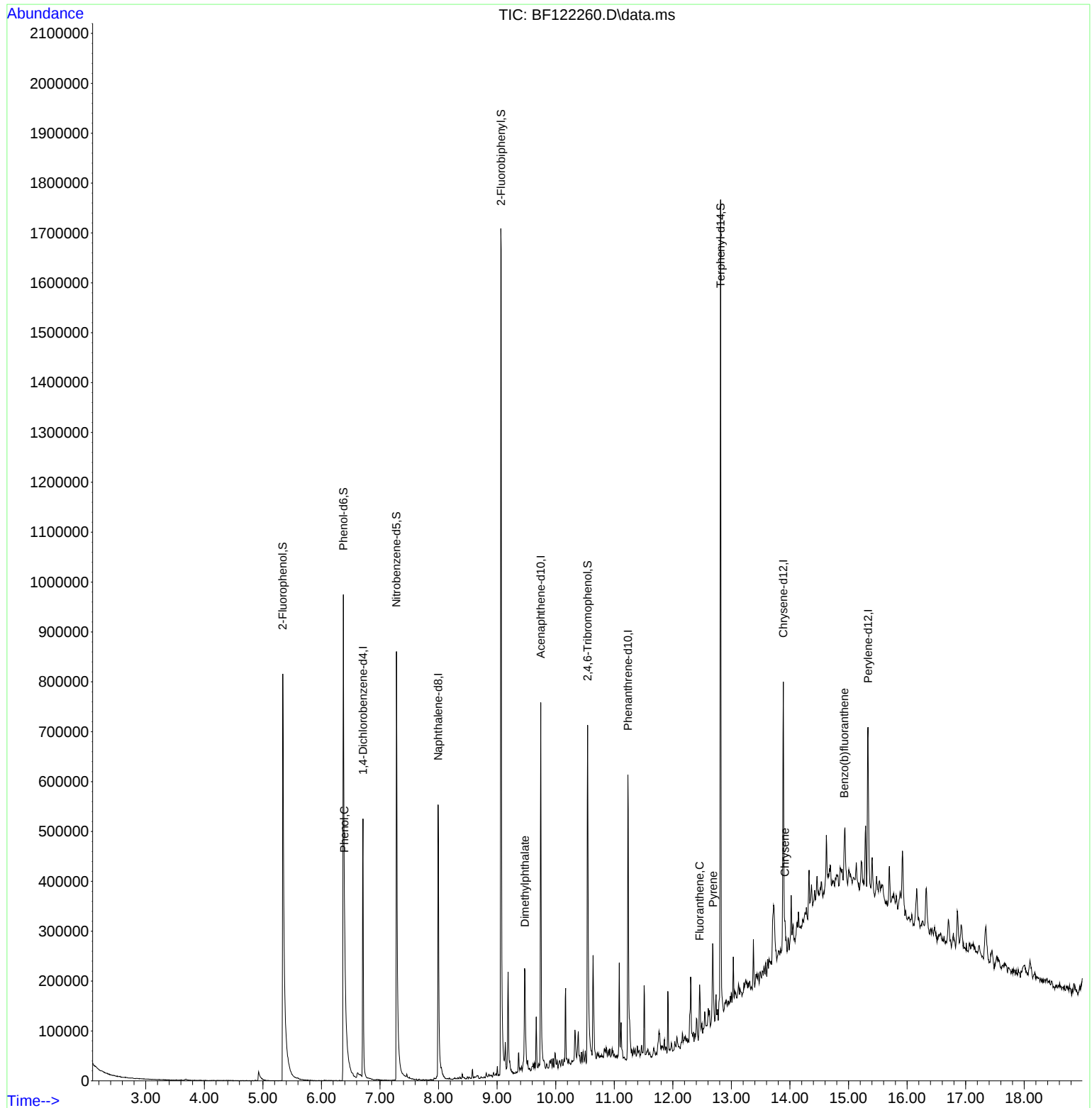
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110420\  
Data File : BF122260.D  
Acq On : 4 Nov 2020 13:31  
Operator : JU/CG  
Sample : L4606-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

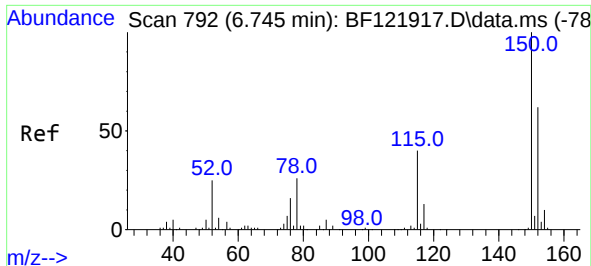
Instrument :  
BNA\_F  
ClientSampleId :  
S-1

Manual Integrations  
APPROVED

mohammad  
11/5/2020 11:32:41 AM

Quant Time: Nov 04 14:23:18 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 30 10:16:54 2020  
Response via : Initial Calibration





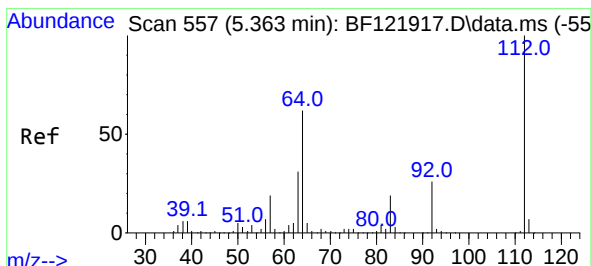
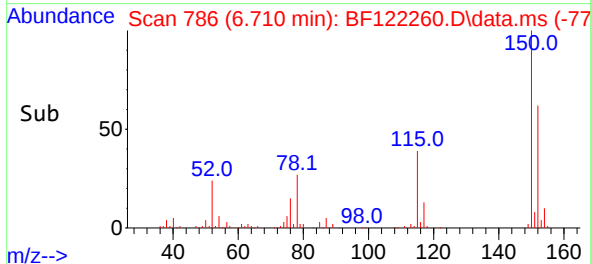
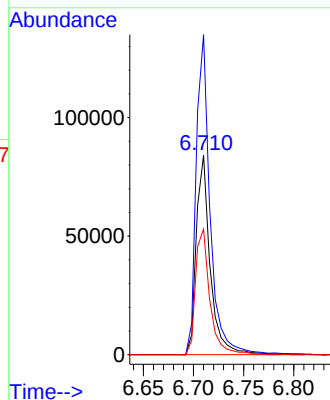
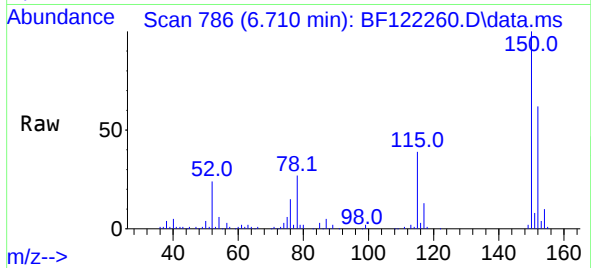
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.710 min Scan# 786  
Delta R.T. -0.006 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31

Tgt Ion:152 Resp: 81479  
Ion Ratio Lower Upper  
152 100  
150 160.5 125.3 187.9  
115 63.0 51.9 77.9

Instrument :  
BNA\_F  
ClientSampled :  
S-1

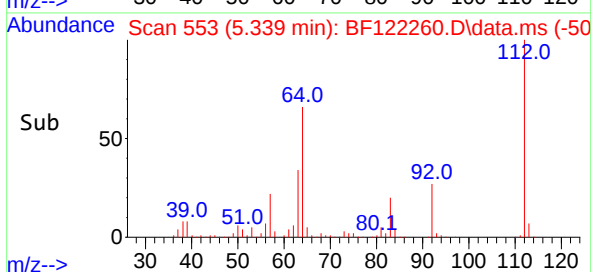
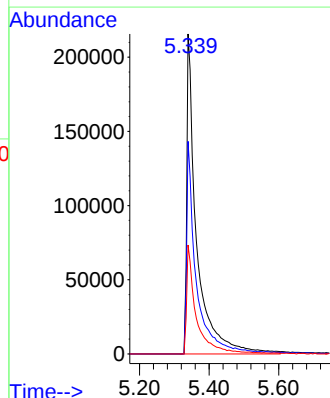
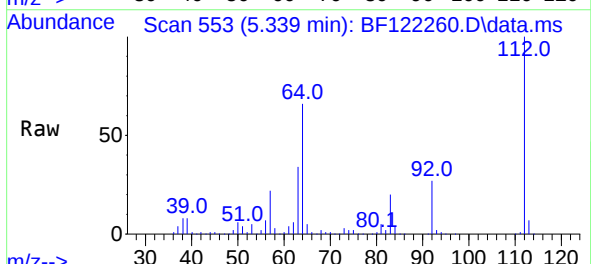
Manual Integrations  
APPROVED

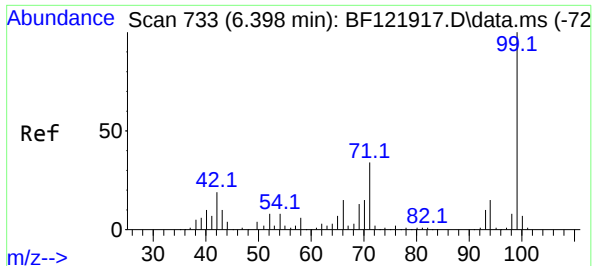
mohammad  
11/5/2020 11:32:41 AM



#5  
2-Fluorophenol  
Concen: 77.80 ng  
RT: 5.339 min Scan# 553  
Delta R.T. 0.006 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31

Tgt Ion:112 Resp: 429520  
Ion Ratio Lower Upper  
112 100  
64 66.5 50.4 75.6  
63 34.1 25.8 38.6





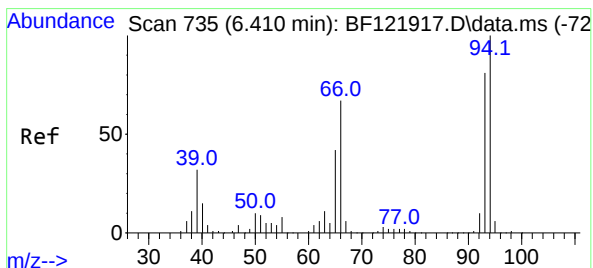
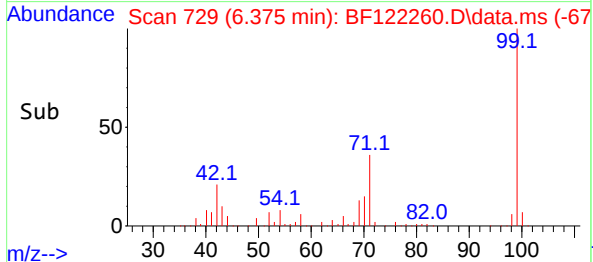
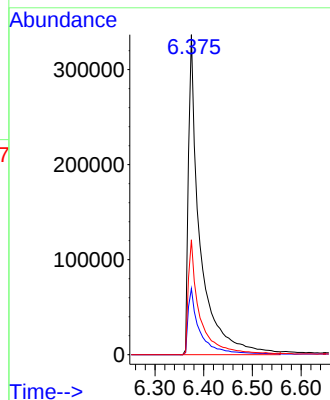
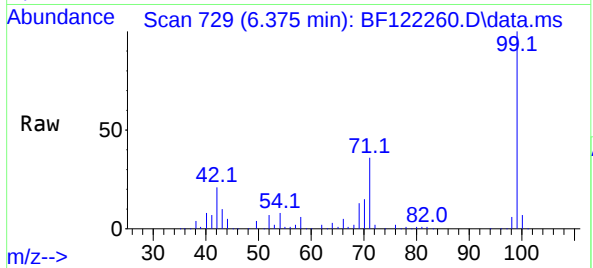
#7  
Phenol-d6  
Concen: 78.79 ng  
RT: 6.375 min Scan# 729  
Delta R.T. 0.006 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31

Tgt Ion: 99 Resp: 559891  
Ion Ratio Lower Upper  
99 100  
42 20.7 15.9 23.9  
71 35.9 27.1 40.7

Instrument :  
BNA\_F  
ClientSampled :  
S-1

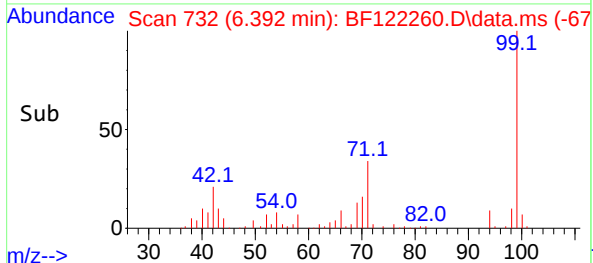
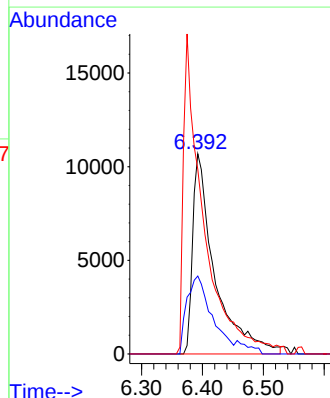
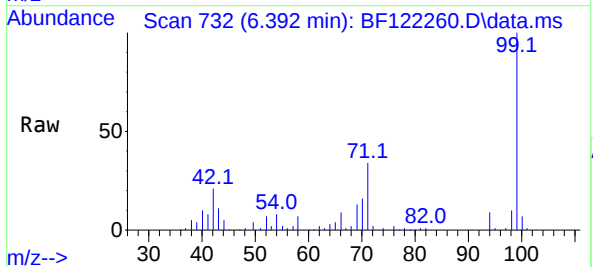
Manual Integrations  
APPROVED

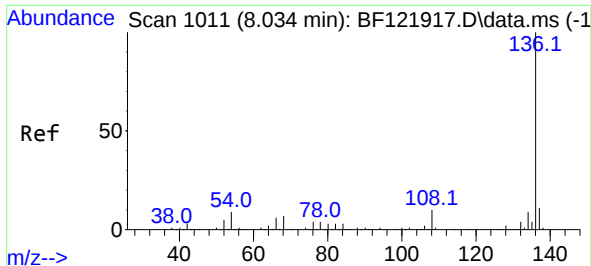
mohammad  
11/5/2020 11:32:41 AM



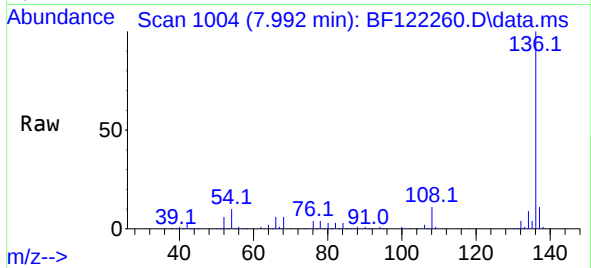
#10  
Phenol  
Concen: 3.69 ng  
RT: 6.392 min Scan# 732  
Delta R.T. 0.011 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31

Tgt Ion: 94 Resp: 27046  
Ion Ratio Lower Upper  
94 100  
65 38.9 17.1 57.1  
66 92.3 36.0 76.0#

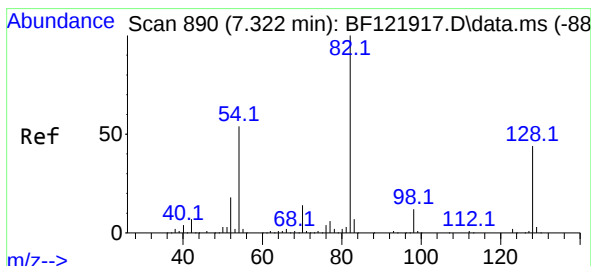
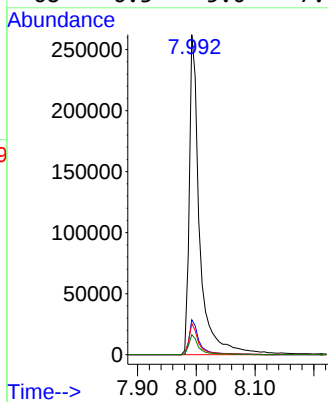
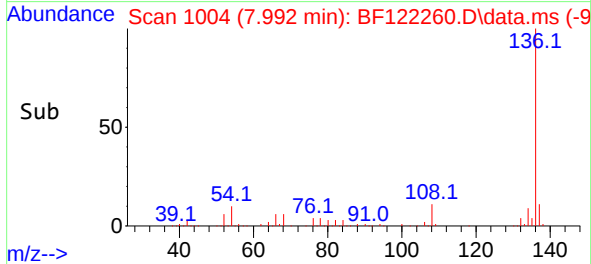




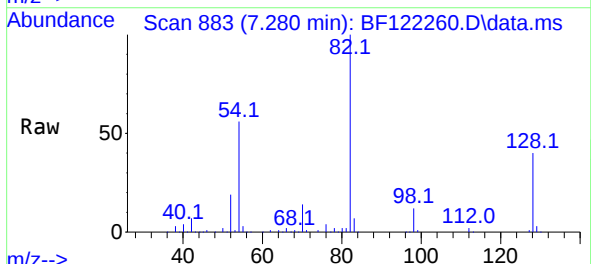
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.992 min Scan# 1004  
Delta R.T. -0.006 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31



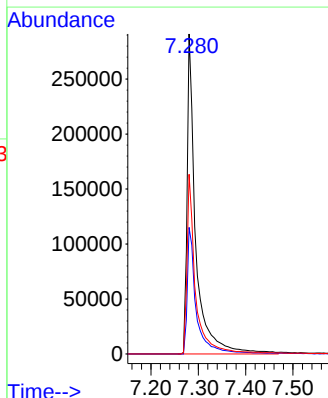
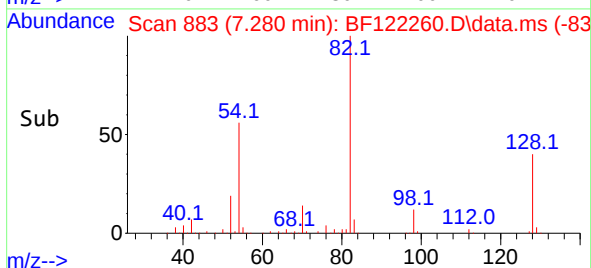
Tgt Ion: 136 Resp: 321583  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 9.7 7.1 10.7  
68 6.3 5.0 7.4



#23  
Nitrobenzene-d5  
Concen: 59.65 ng  
RT: 7.280 min Scan# 883  
Delta R.T. -0.006 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31



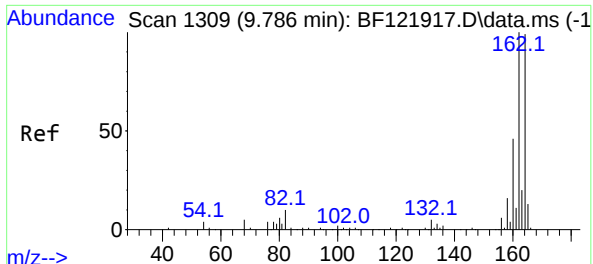
Tgt Ion: 82 Resp: 374047  
Ion Ratio Lower Upper  
82 100  
128 39.5 35.0 52.4  
54 56.1 43.9 65.9



Instrument :  
BNA\_F  
ClientSampled :  
S-1

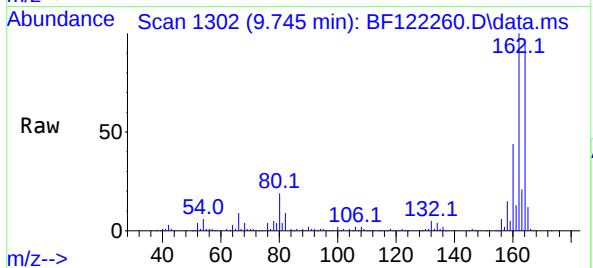
Manual Integrations  
APPROVED

mohammad  
11/5/2020 11:32:41 AM



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.745 min Scan# 1302  
Delta R.T. -0.006 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31

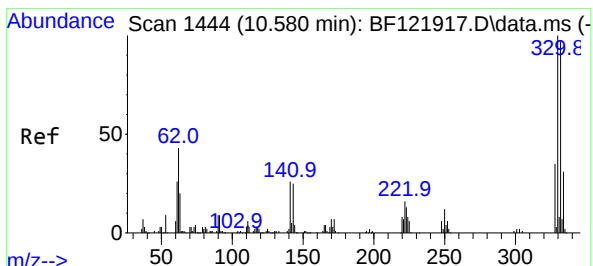
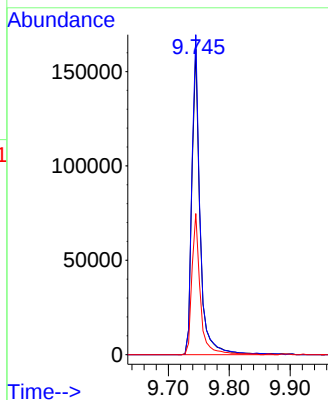
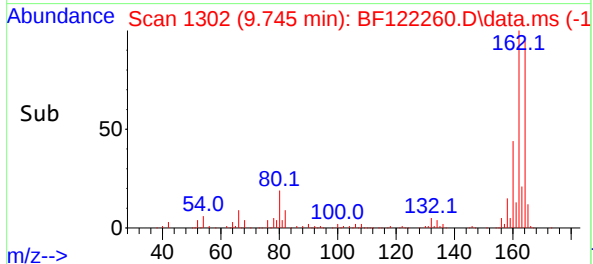
Instrument :  
BNA\_F  
ClientSampled :  
S-1



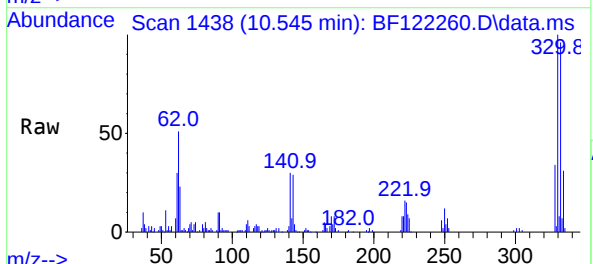
Tgt Ion:164 Resp: 151845  
Ion Ratio Lower Upper  
164 100  
162 104.7 83.2 124.8  
160 46.2 37.5 56.3

Manual Integrations  
APPROVED

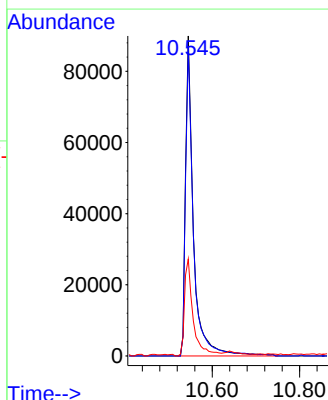
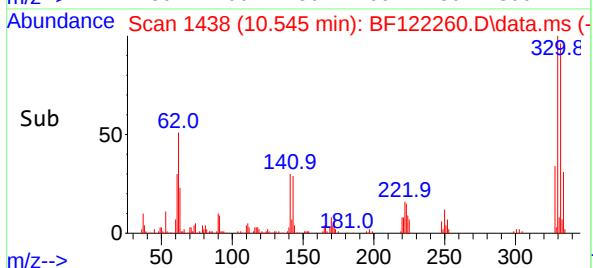
mohammad  
11/5/2020 11:32:41 AM

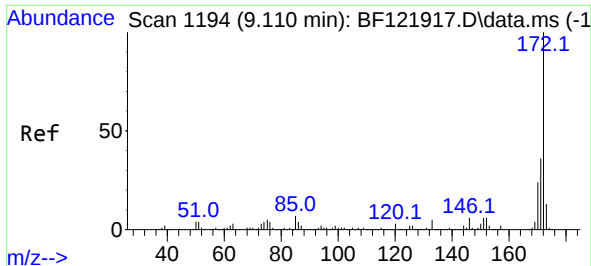


#42  
2,4,6-Tribromophenol  
Concen: 60.20 ng  
RT: 10.545 min Scan# 1438  
Delta R.T. -0.000 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31



Tgt Ion:330 Resp: 113071  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.3 115.9  
141 32.7 22.3 33.5





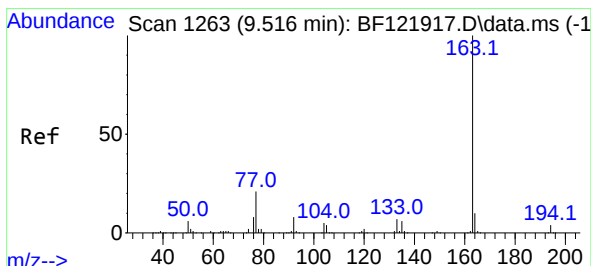
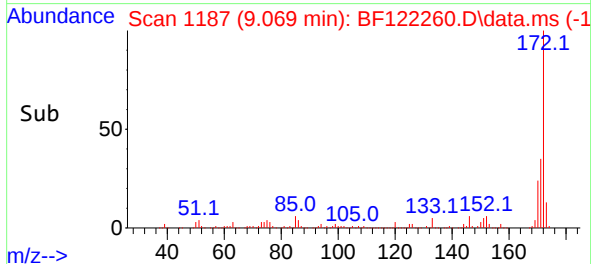
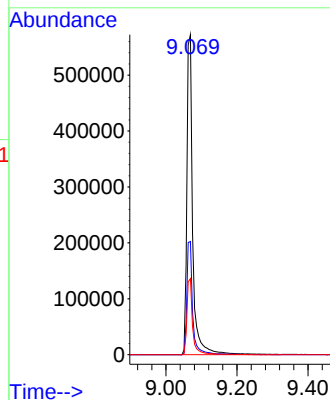
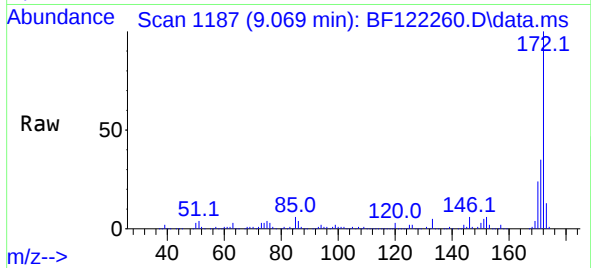
#45  
2-Fluorobiphenyl  
Concen: 62.41 ng  
RT: 9.069 min Scan# 1187  
Delta R.T. -0.006 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31

Tgt Ion:172 Resp: 644066  
Ion Ratio Lower Upper  
172 100  
171 35.4 29.1 43.7  
170 23.7 19.8 29.6

Instrument :  
BNA\_F  
ClientSampled :  
S-1

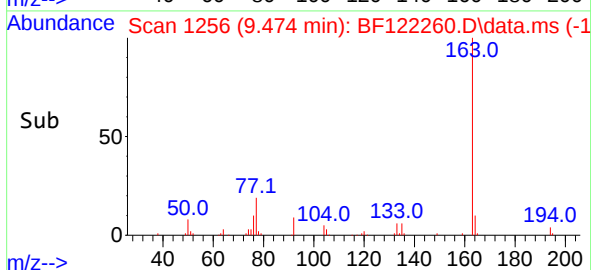
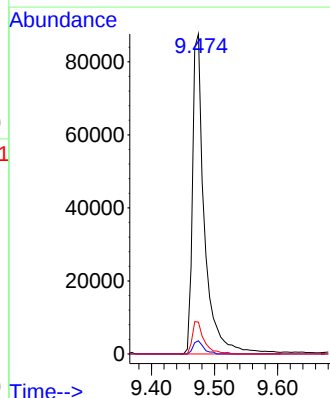
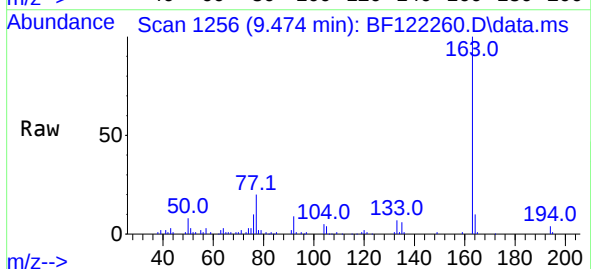
Manual Integrations  
APPROVED

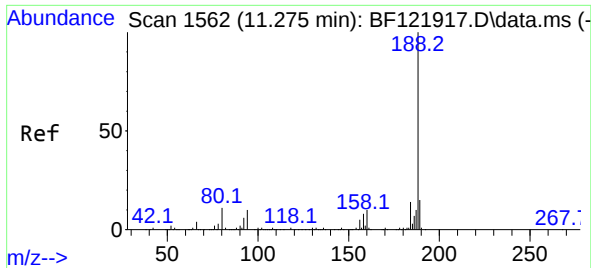
mohammad  
11/5/2020 11:32:41 AM



#50  
Dimethylphthalate  
Concen: 10.46 ng  
RT: 9.474 min Scan# 1256  
Delta R.T. -0.006 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31

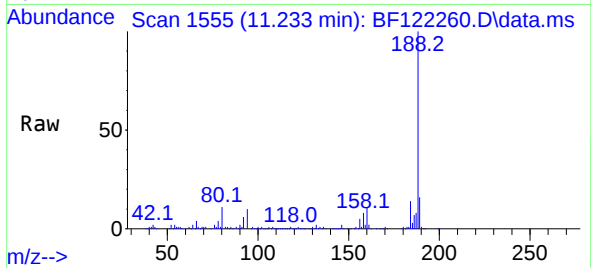
Tgt Ion:163 Resp: 116106  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 10.0 8.2 12.4





#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.233 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31

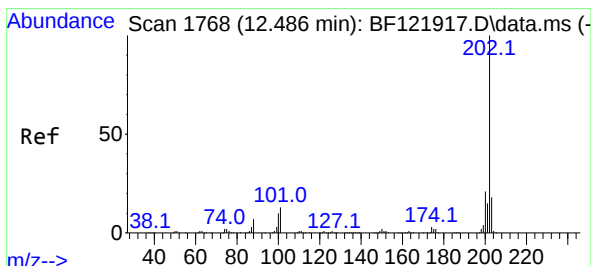
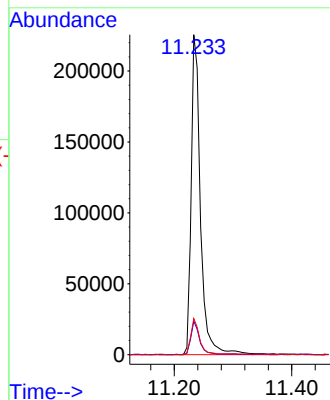
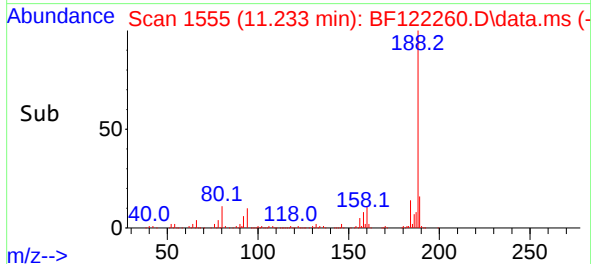
Instrument :  
BNA\_F  
ClientSampled :  
S-1



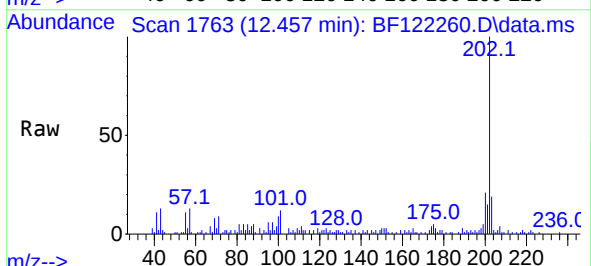
Tgt Ion:188 Resp: 248218  
Ion Ratio Lower Upper  
188 100  
94 10.4 8.3 12.5  
80 11.3 9.1 13.7

Manual Integrations  
APPROVED

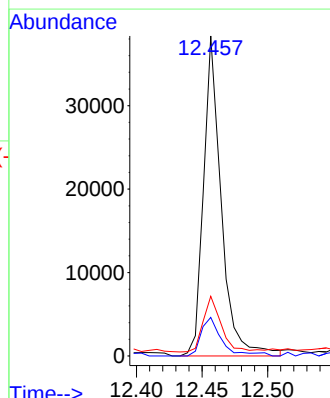
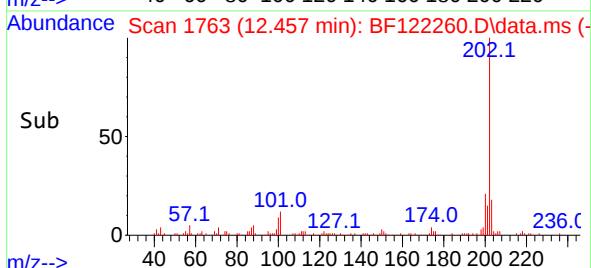
mohammad  
11/5/2020 11:32:41 AM

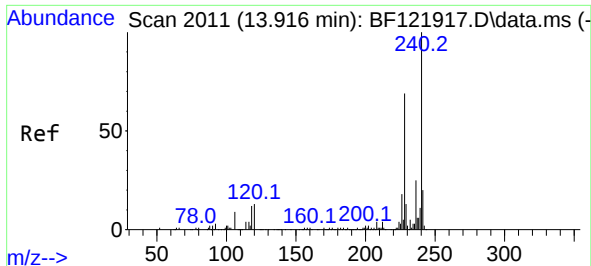


#75  
Fluoranthene  
Concen: 2.49 ng  
RT: 12.457 min Scan# 1763  
Delta R.T. 0.006 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31



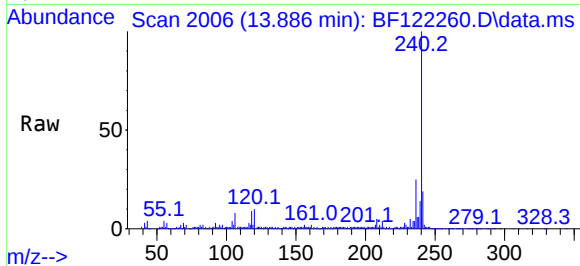
Tgt Ion:202 Resp: 36375  
Ion Ratio Lower Upper  
202 100  
101 12.0 0.0 33.4  
203 18.7 0.0 37.9





#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.886 min Scan# 2006  
Delta R.T. 0.006 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31

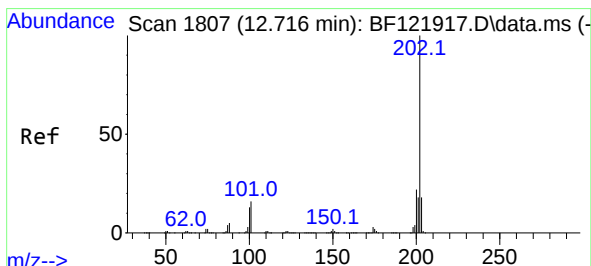
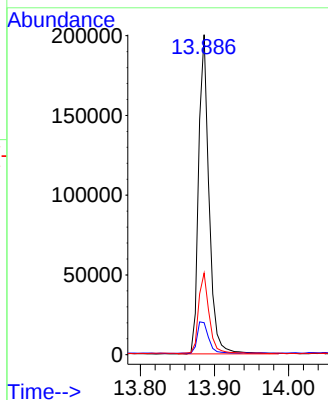
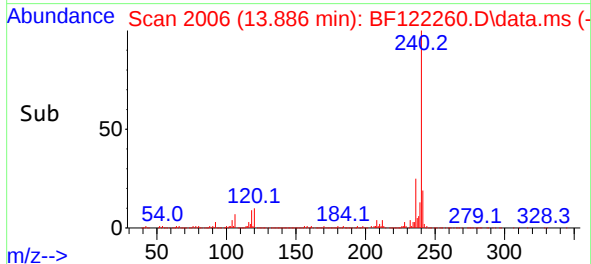
Instrument :  
BNA\_F  
ClientSampled :  
S-1



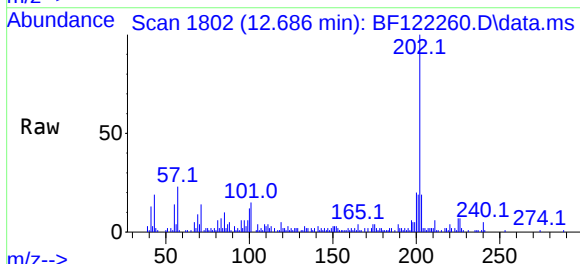
Tgt Ion:240 Resp: 193884  
Ion Ratio Lower Upper  
240 100  
120 10.0 9.2 13.8  
236 25.5 20.9 31.3

Manual Integrations  
APPROVED

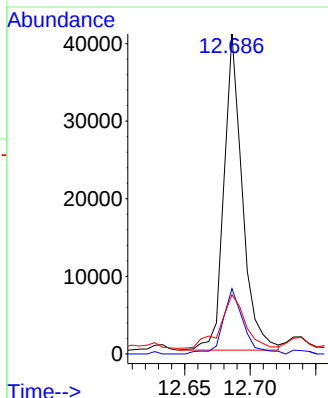
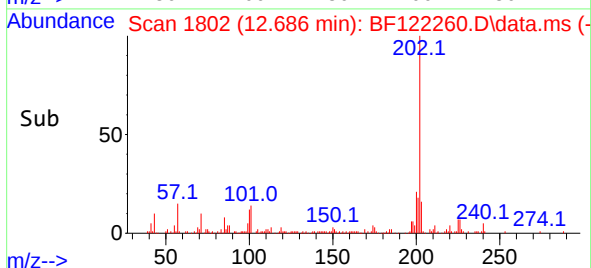
mohammad  
11/5/2020 11:32:41 AM

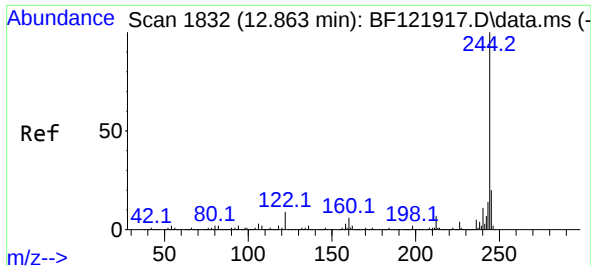


#78  
Pyrene  
Concen: 2.69 ng  
RT: 12.686 min Scan# 1802  
Delta R.T. 0.006 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31

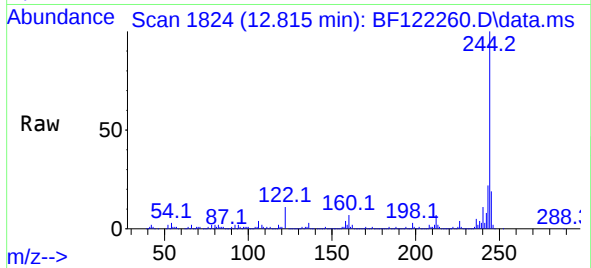


Tgt Ion:202 Resp: 39719  
Ion Ratio Lower Upper  
202 100  
200 20.4 17.4 26.2  
203 18.5 14.6 21.8

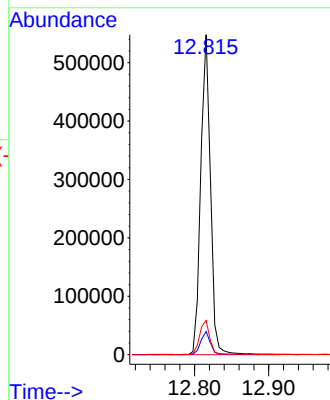
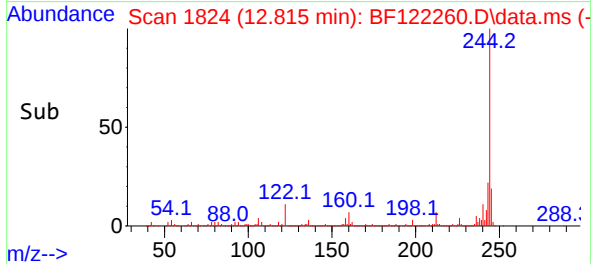




#79  
Terphenyl-d14  
Concen: 48.90 ng  
RT: 12.815 min Scan# 1824  
Delta R.T. -0.000 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31



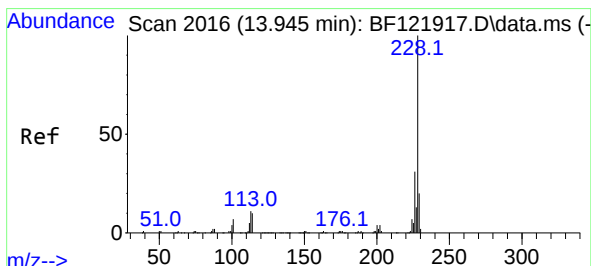
Tgt Ion:244 Resp: 497481  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.4 8.2  
122 10.7 8.1 12.1



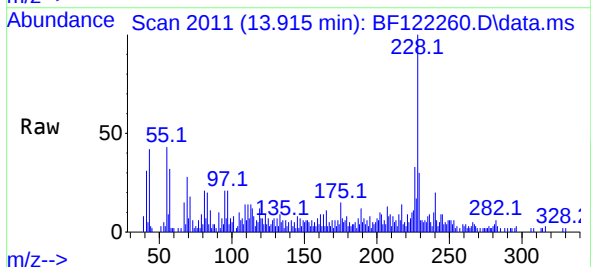
Instrument :  
BNA\_F  
ClientSampled :  
S-1

Manual Integrations  
APPROVED

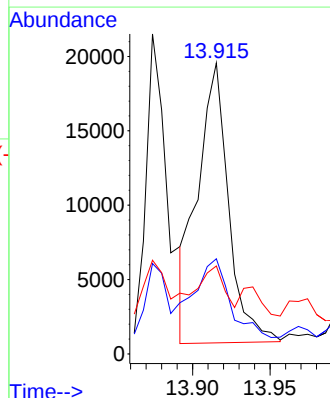
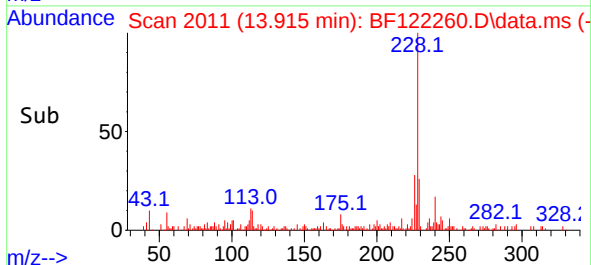
mohammad  
11/5/2020 11:32:41 AM

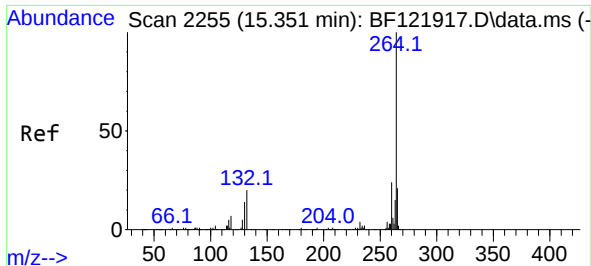


#83  
Chrysene  
Concen: 2.10 ng  
RT: 13.915 min Scan# 2011  
Delta R.T. 0.012 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31

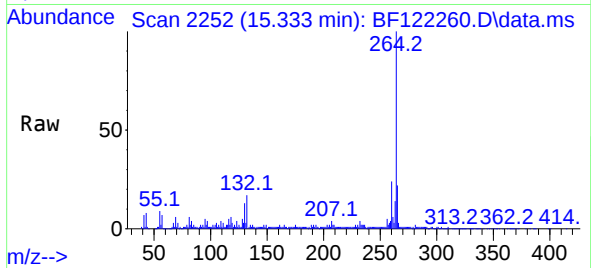


Tgt Ion:228 Resp: 26196  
Ion Ratio Lower Upper  
228 100  
226 32.7 24.6 37.0  
229 30.2 15.9 23.9#

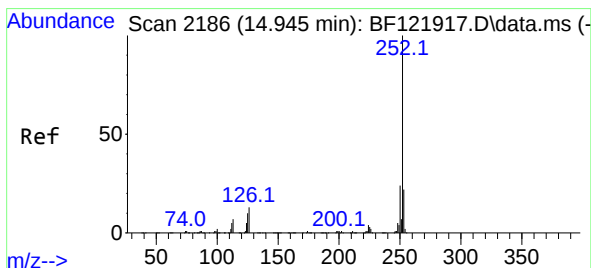
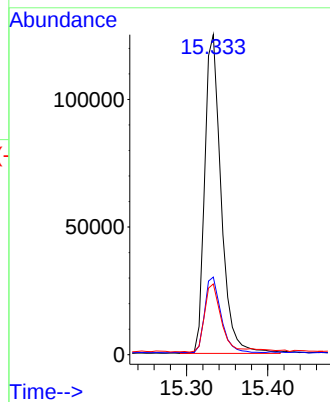
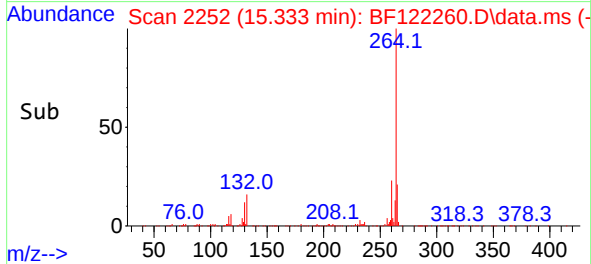




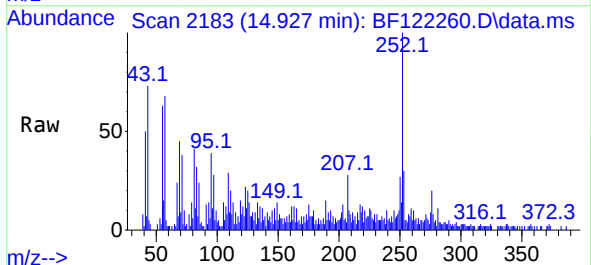
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.333 min Scan# 2252  
Delta R.T. 0.029 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31



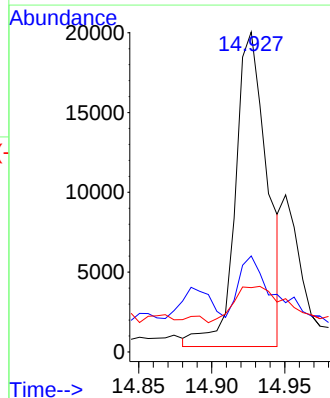
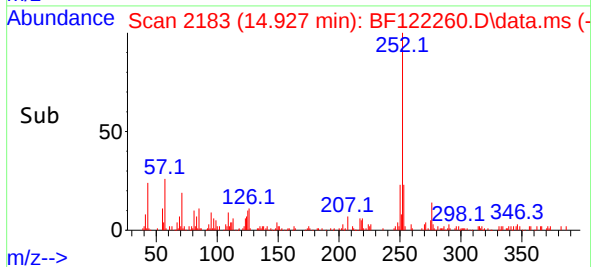
Tgt Ion:264 Resp: 175119  
Ion Ratio Lower Upper  
264 100  
260 24.2 18.7 28.1  
265 22.1 17.3 25.9



#88  
Benzo(b)fluoranthene  
Concen: 2.52 ng m  
RT: 14.927 min Scan# 2183  
Delta R.T. 0.029 min  
Lab File: BF122260.D  
Acq: 4 Nov 2020 13:31



Tgt Ion:252 Resp: 29797  
Ion Ratio Lower Upper  
252 100  
253 30.0 18.2 27.2#  
125 20.1 8.0 12.0#



Instrument :  
BNA\_F  
ClientSampled :  
S-1

Manual Integrations  
APPROVED

mohammad  
11/5/2020 11:32:41 AM