

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032421\  
 Data File : BF123452.D  
 Acq On : 24 Mar 2021 22:06  
 Operator : JU/CG  
 Sample : M1773-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NB-08-032321

Manual Integrations  
 APPROVED

mohammad  
 3/25/2021 11:50:33 AM

Quant Time: Mar 25 00:41:34 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF032321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 24 12:51:15 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.916  | 152  | 192012   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.198  | 136  | 645072   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.957  | 164  | 300762   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.451 | 188  | 451892   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.098 | 240  | 422607   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.609 | 264  | 382170   | 20.00 | ng    | 0.00     |
|                             |        |      |          |       |       |          |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.534  | 112  | 1011056  | 86.14 | ng    | 0.00     |
| 7) Phenol-d6                | 6.534  | 99   | 1196882  | 76.60 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.475  | 82   | 787533   | 65.89 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.745 | 330  | 248712   | 73.97 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.275  | 172  | 1299515  | 61.73 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.039 | 244  | 1139384  | 45.69 | ng    | -0.01    |
|                             |        |      |          |       |       |          |
| Target Compounds            |        |      |          |       |       | Qvalue   |
| 10) Phenol                  | 6.545  | 94   | 46642    | 2.91  | ng    | 97       |
| 50) Dimethylphthalate       | 9.669  | 163  | 57994    | 2.71  | ng    | 98       |
| 71) Phenanthrene            | 11.474 | 178  | 52525    | 2.10  | ng    | 96       |
| 75) Fluoranthene            | 12.663 | 202  | 171310   | 6.33  | ng    | 97       |
| 78) Pyrene                  | 12.898 | 202  | 159896   | 4.39  | ng    | 98       |
| 81) Benzo(a)anthracene      | 14.086 | 228  | 114619   | 4.14  | ng    | 99       |
| 83) Chrysene                | 14.121 | 228  | 117960   | 4.13  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 17.127 | 276  | 83403    | 3.51  | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 15.162 | 252  | 191444m  | 7.26  | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.186 | 252  | 59842m   | 2.40  | ng    |          |
| 90) Benzo(a)pyrene          | 15.539 | 252  | 132303   | 5.81  | ng    | 99       |
| 92) Benzo(g,h,i)perylene    | 17.592 | 276  | 87182    | 4.32  | ng    | 99       |
| -----                       |        |      |          |       |       |          |

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

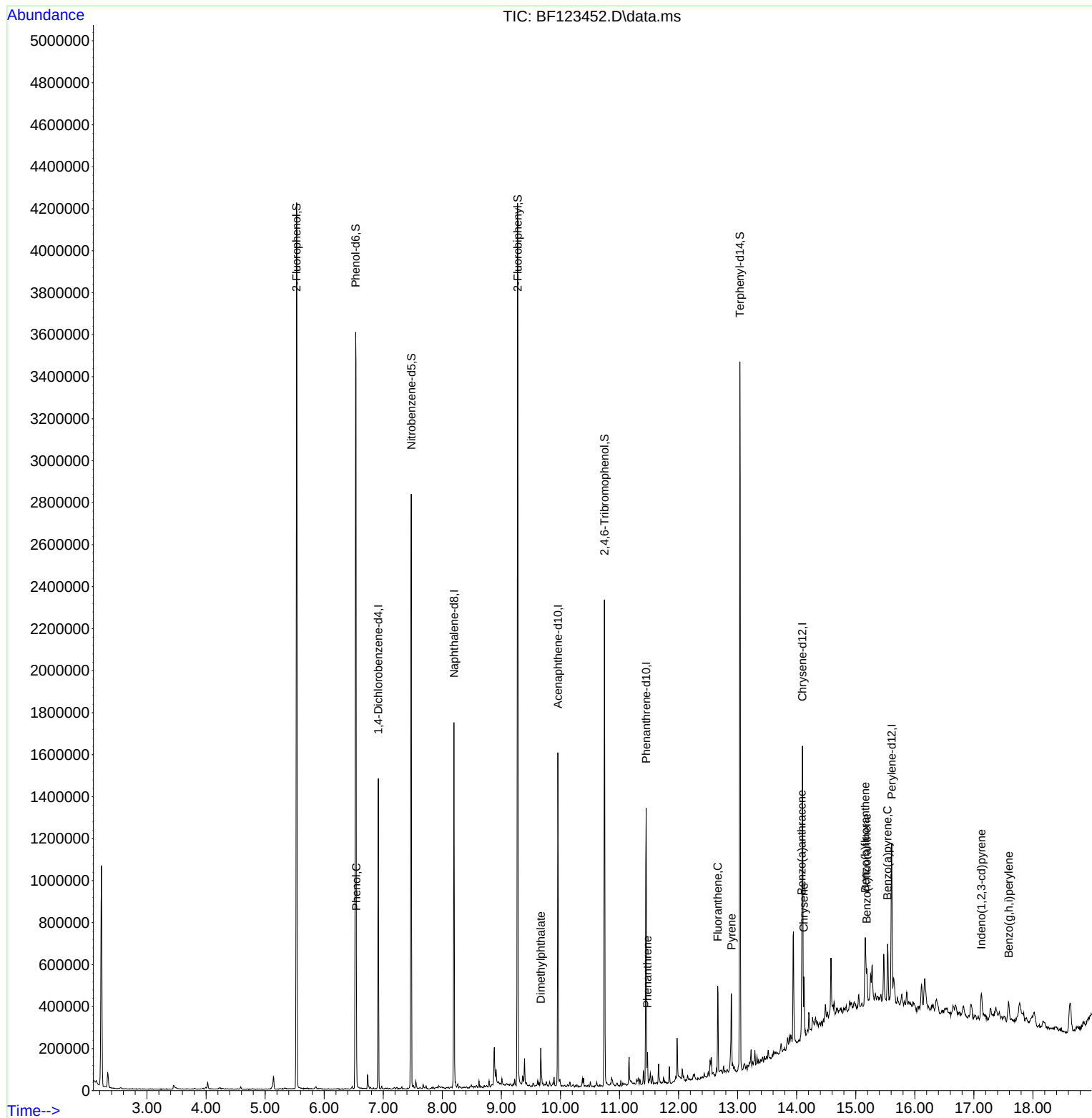
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032421\  
Data File : BF123452.D  
Acq On : 24 Mar 2021 22:06  
Operator : JU/CG  
Sample : M1773-01  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

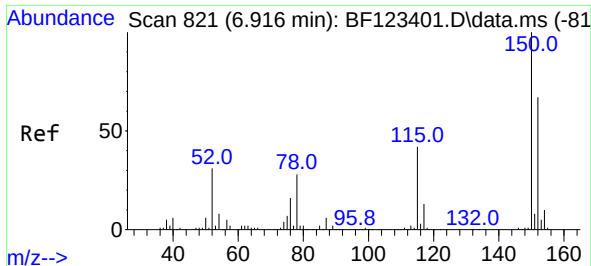
Instrument :  
BNA\_F  
ClientSampleId :  
NB-08-032321

Manual Integrations  
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3/25/2021 11:50:33 AM

Quant Time: Mar 25 00:41:34 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF032321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 24 12:51:15 2021  
Response via : Initial Calibration





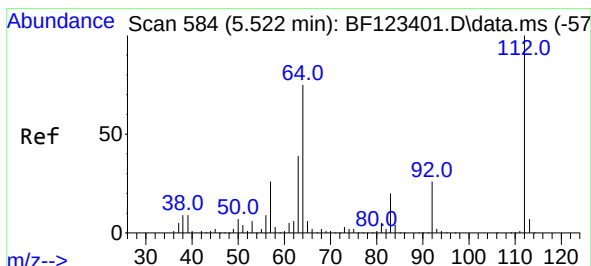
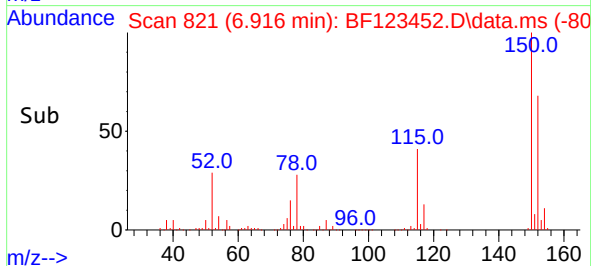
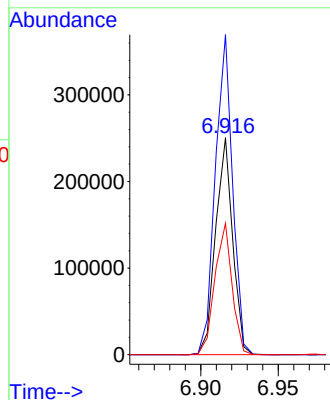
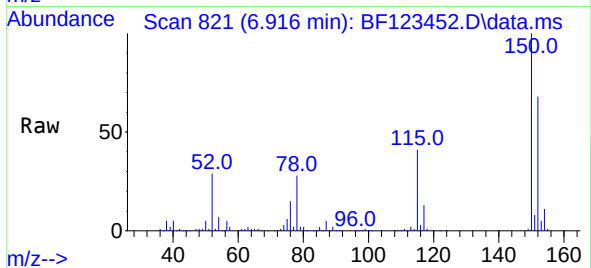
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1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.916 min Scan# 821  
Delta R.T. -0.000 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

Tgt Ion:152 Resp: 192012  
Ion Ratio Lower Upper  
152 100  
150 147.5 125.8 188.6  
115 60.5 49.3 73.9

Instrument :  
BNA\_F  
ClientSampleId :  
NB-08-032321

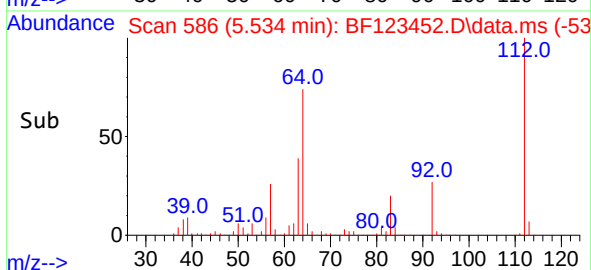
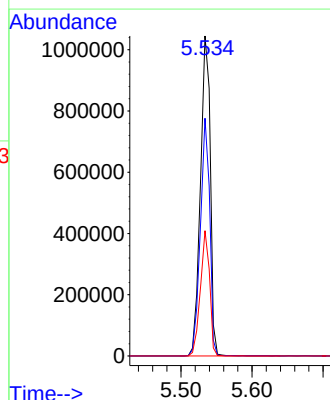
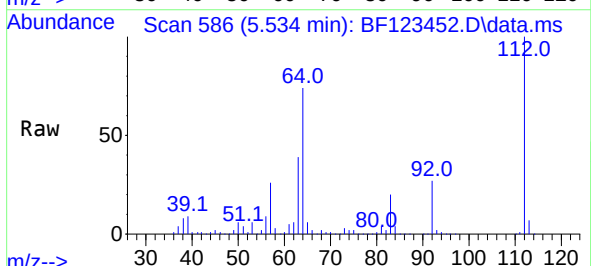
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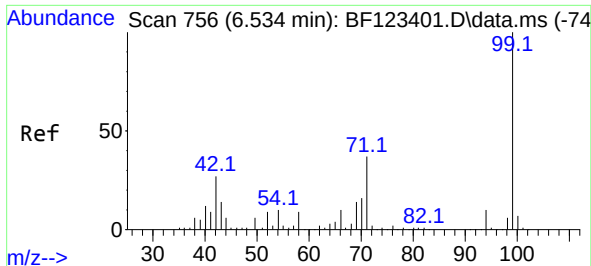
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#5  
2-Fluorophenol  
Concen: 86.14 ng  
RT: 5.534 min Scan# 586  
Delta R.T. 0.006 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

Tgt Ion:112 Resp: 1011056  
Ion Ratio Lower Upper  
112 100  
64 74.3 46.9 70.3#  
63 39.2 24.5 36.7#





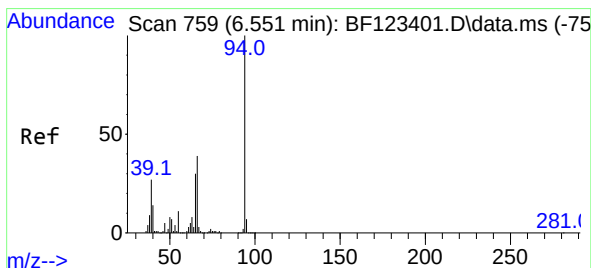
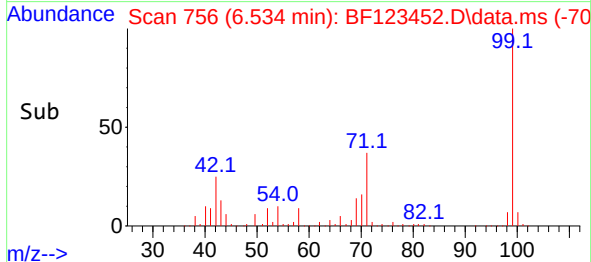
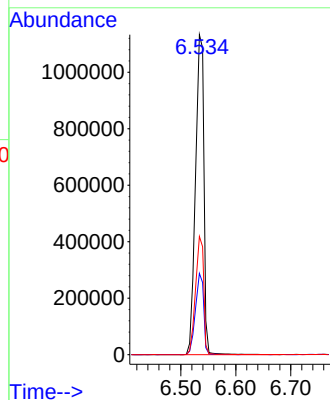
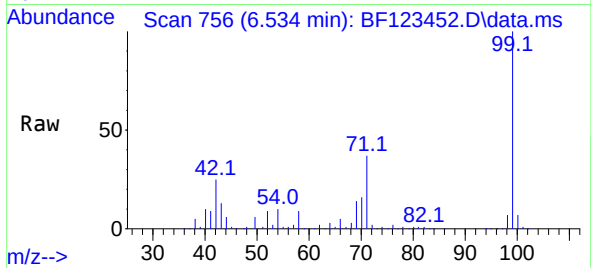
#7  
Phenol-d6  
Concen: 76.60 ng  
RT: 6.534 min Scan# 756  
Delta R.T. -0.006 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

Tgt Ion: 99 Resp: 1196882  
Ion Ratio Lower Upper  
99 100  
42 25.4 13.8 20.6#  
71 37.0 26.9 40.3

Instrument :  
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ClientSampleId :  
NB-08-032321

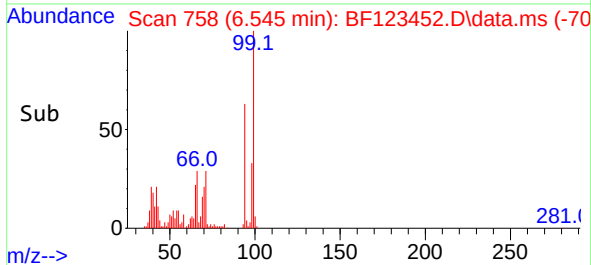
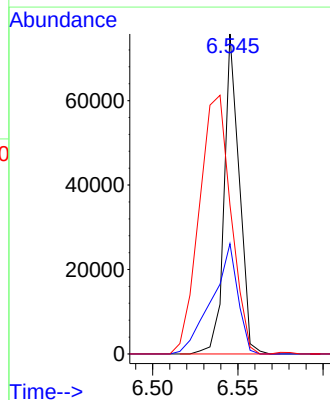
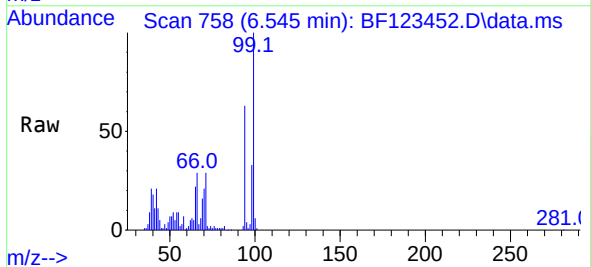
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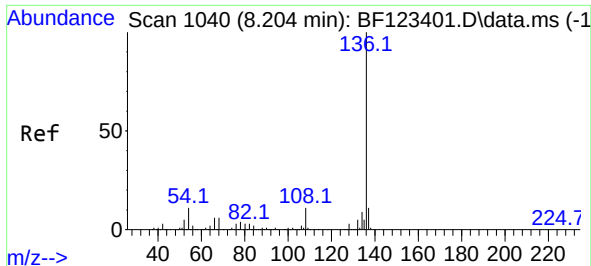
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#10  
Phenol  
Concen: 2.91 ng  
RT: 6.545 min Scan# 758  
Delta R.T. -0.006 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

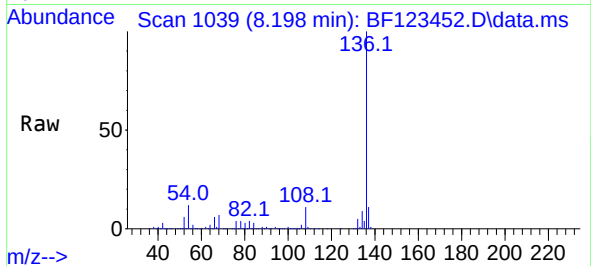
Tgt Ion: 94 Resp: 46642  
Ion Ratio Lower Upper  
94 100  
65 34.5 11.2 51.2  
66 46.6 25.8 65.8





#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.198 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

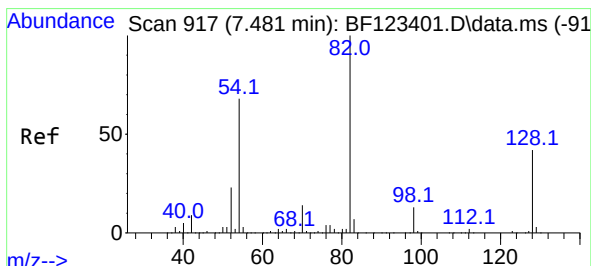
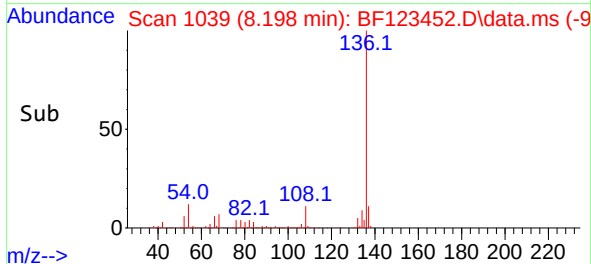
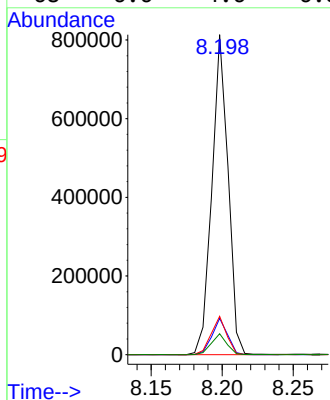
Instrument :  
BNA\_F  
ClientSampleId :  
NB-08-032321



Tgt Ion:136 Resp: 645072  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.8 13.2  
54 12.0 5.5 8.3#  
68 6.6 4.6 6.8

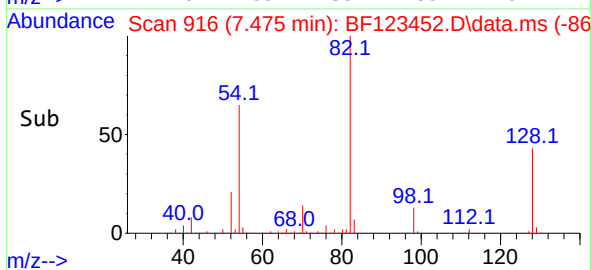
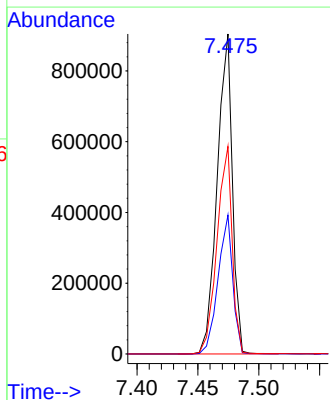
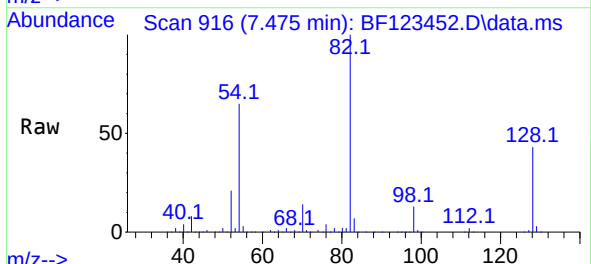
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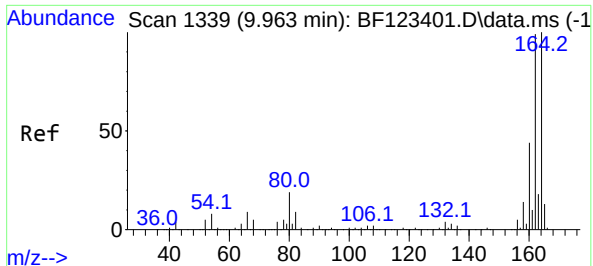
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#23  
Nitrobenzene-d5  
Concen: 65.89 ng  
RT: 7.475 min Scan# 916  
Delta R.T. -0.006 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

Tgt Ion: 82 Resp: 787533  
Ion Ratio Lower Upper  
82 100  
128 43.4 37.0 55.4  
54 64.9 38.4 57.6#





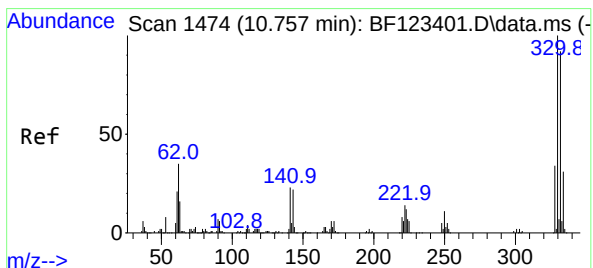
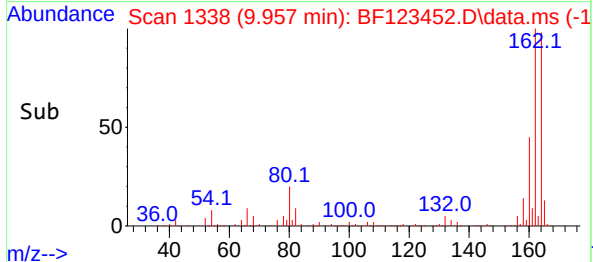
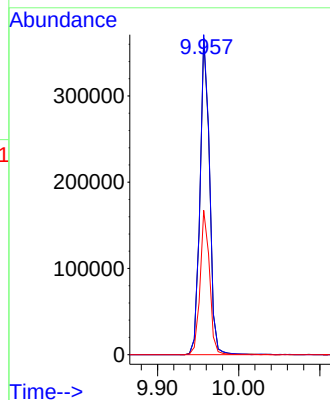
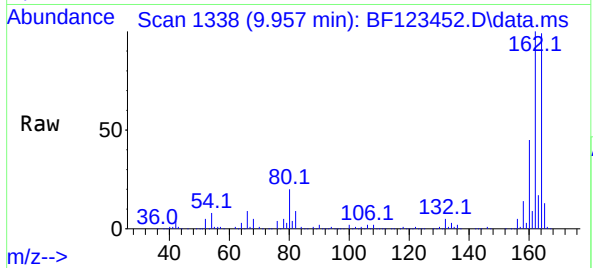
#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.957 min Scan# 1338  
Delta R.T. -0.006 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

Tgt Ion:164 Resp: 300762  
Ion Ratio Lower Upper  
164 100  
162 101.0 80.8 121.2  
160 45.6 35.4 53.0

Instrument :  
BNA\_F  
ClientSampleId :  
NB-08-032321

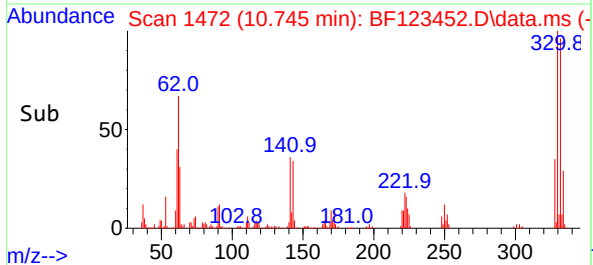
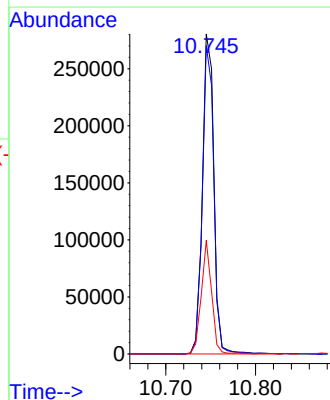
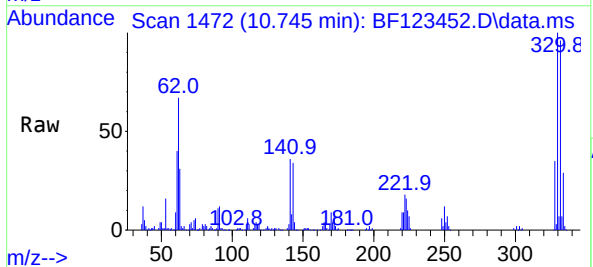
Manual Integrations  
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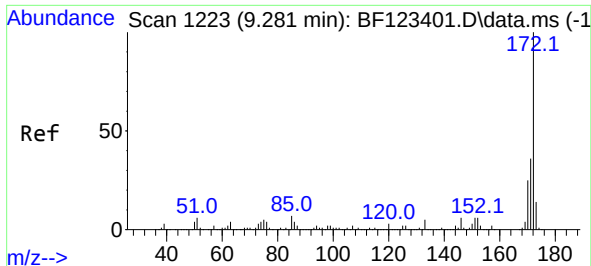
mohammad  
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#42  
2,4,6-Tribromophenol  
Concen: 73.97 ng  
RT: 10.745 min Scan# 1472  
Delta R.T. -0.012 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

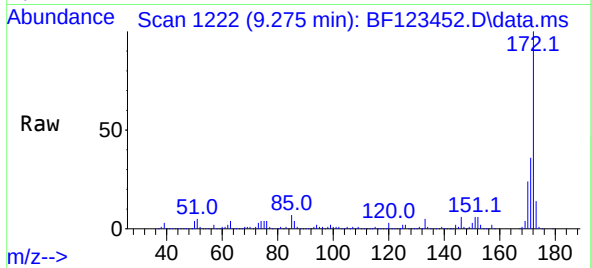
Tgt Ion:330 Resp: 248712  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.5 116.3  
141 32.3 23.8 35.8





#45  
2-Fluorobiphenyl  
Concen: 61.73 ng  
RT: 9.275 min Scan# 1222  
Delta R.T. -0.006 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

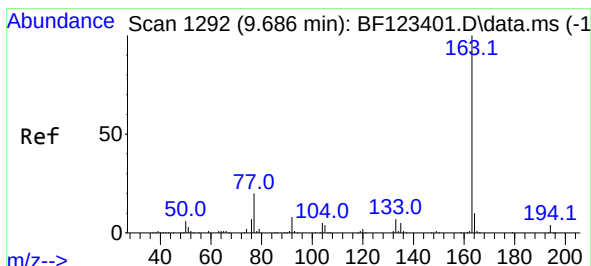
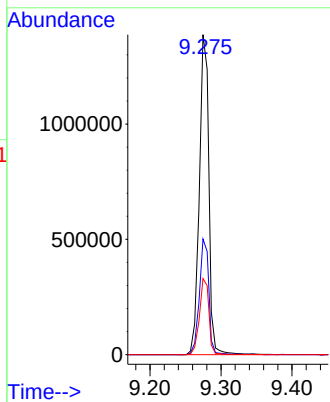
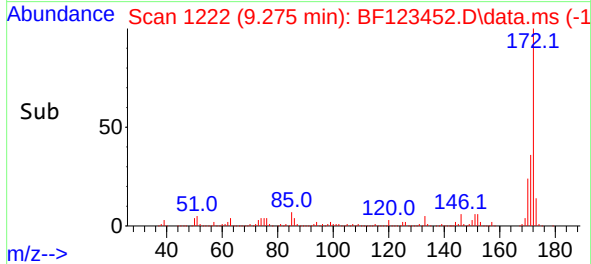
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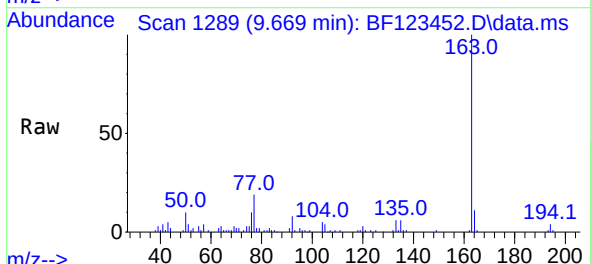
Tgt Ion:172 Resp: 1299515  
Ion Ratio Lower Upper  
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170 23.8 19.5 29.3

Manual Integrations  
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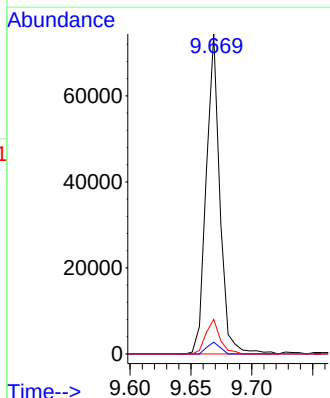
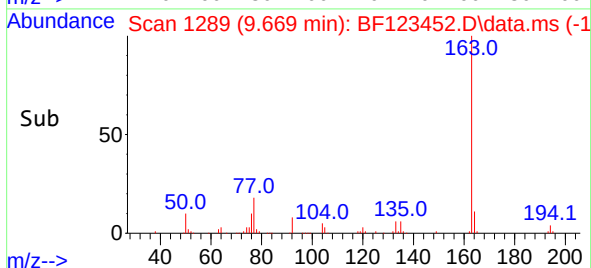
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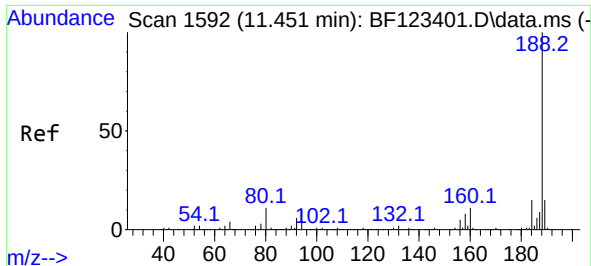


#50  
Dimethylphthalate  
Concen: 2.71 ng  
RT: 9.669 min Scan# 1289  
Delta R.T. -0.018 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06



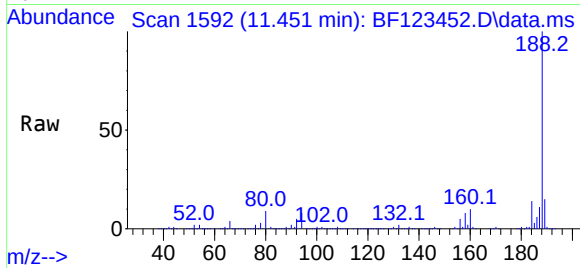
Tgt Ion:163 Resp: 57994  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.4 5.0  
164 10.8 8.1 12.1





#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.451 min Scan# 1592  
Delta R.T. -0.000 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

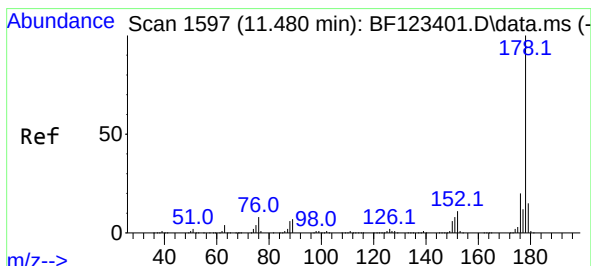
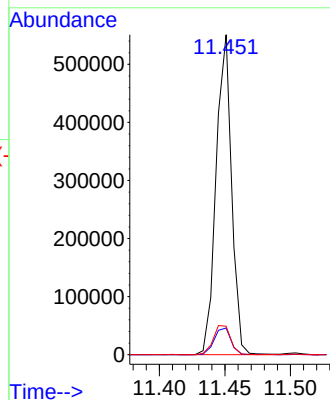
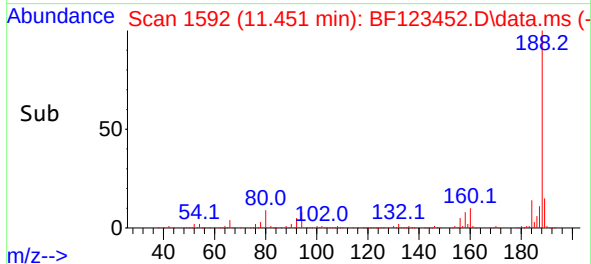
Instrument :  
BNA\_F  
ClientSampleId :  
NB-08-032321



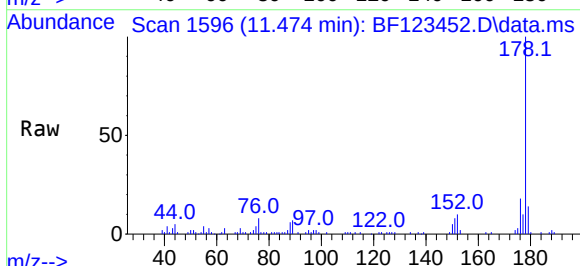
Tgt Ion:188 Resp: 451892  
Ion Ratio Lower Upper  
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94 8.4 7.4 11.2  
80 8.9 8.2 12.4

Manual Integrations  
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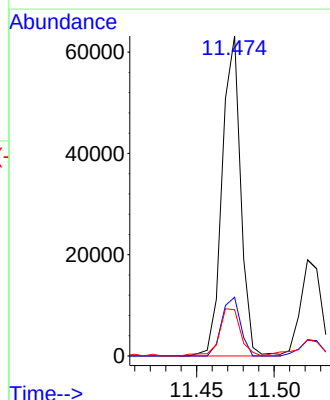
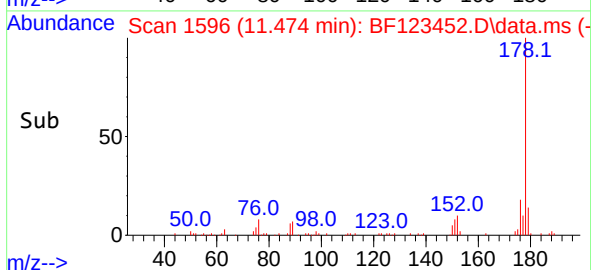
mohammad  
3/25/2021 11:50:33 AM



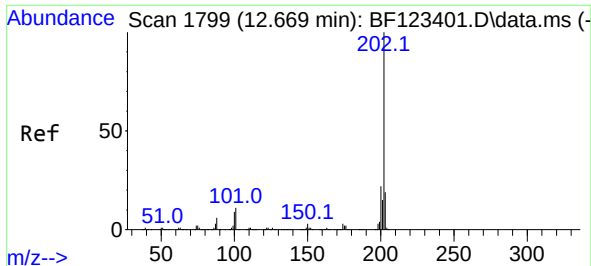
#71  
Phenanthrene  
Concen: 2.10 ng  
RT: 11.474 min Scan# 1596  
Delta R.T. -0.006 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06



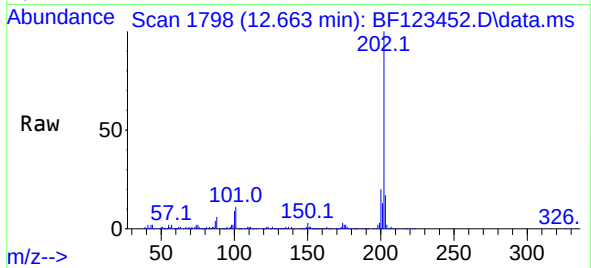
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176 18.3 16.2 24.2  
179 14.5 12.7 19.1



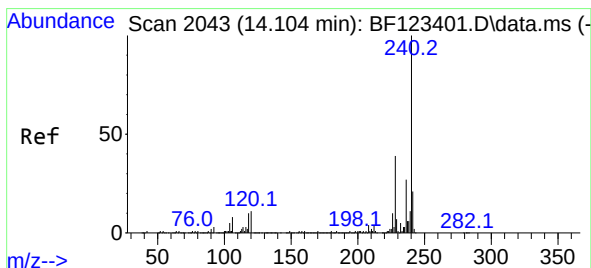
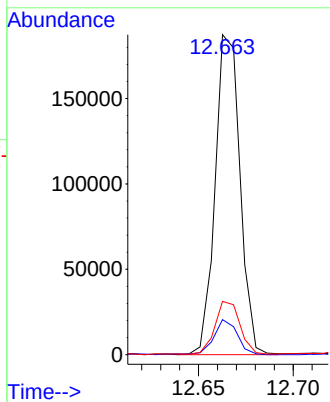
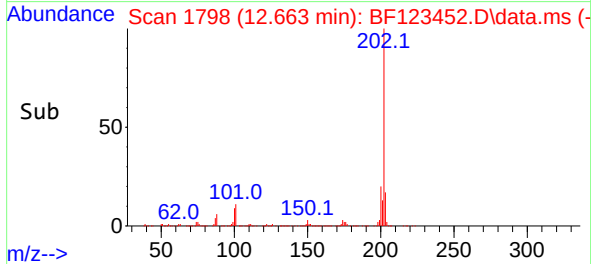




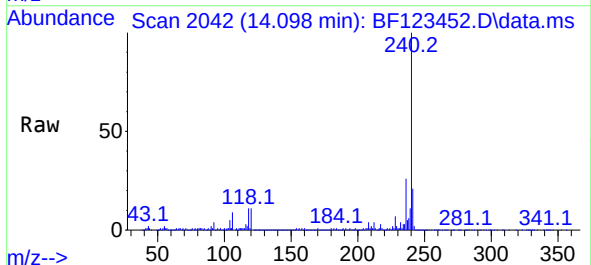
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Fluoranthene  
Concen: 6.33 ng  
RT: 12.663 min Scan# 1798  
Delta R.T. -0.012 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06



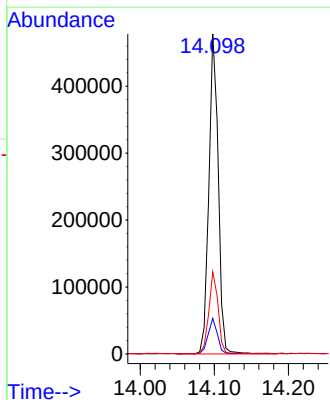
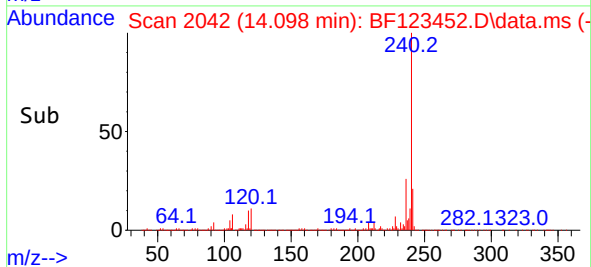
Tgt Ion:202 Resp: 171310  
Ion Ratio Lower Upper  
202 100  
101 10.9 0.0 32.2  
203 16.6 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.098 min Scan# 2042  
Delta R.T. -0.012 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06



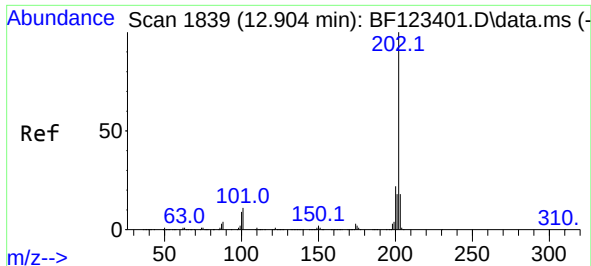
Tgt Ion:240 Resp: 422607  
Ion Ratio Lower Upper  
240 100  
120 11.1 8.6 12.8  
236 25.7 20.3 30.5



Instrument :  
BNA\_F  
ClientSampleId :  
NB-08-032321

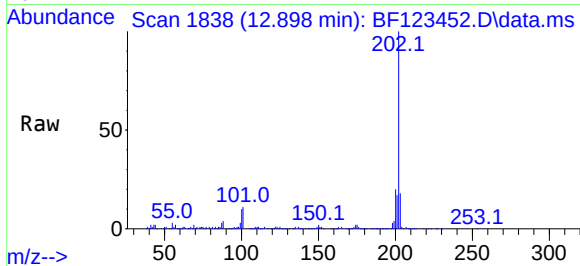
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#78  
Pyrene  
Concen: 4.39 ng  
RT: 12.898 min Scan# 1838  
Delta R.T. -0.006 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

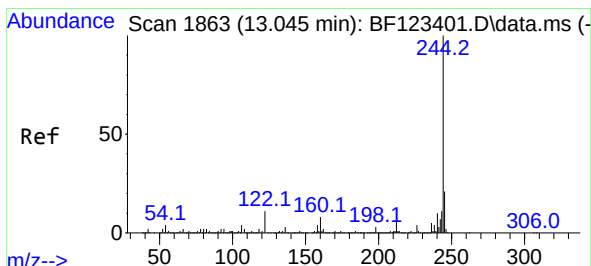
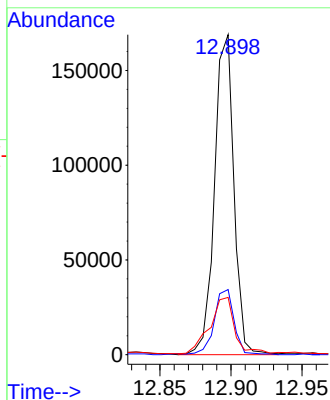
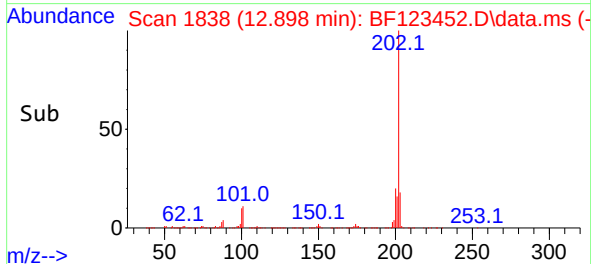
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BNA\_F  
ClientSampleId :  
NB-08-032321



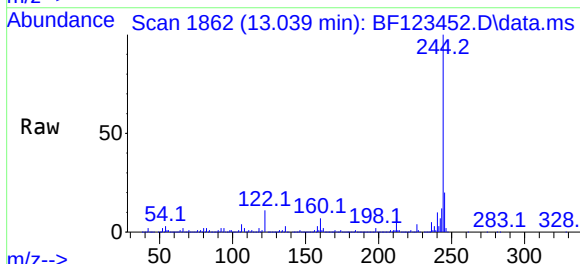
Tgt Ion:202 Resp: 159896  
Ion Ratio Lower Upper  
202 100  
200 20.3 17.6 26.4  
203 17.9 14.6 21.8

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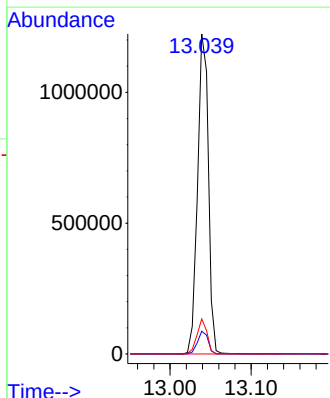
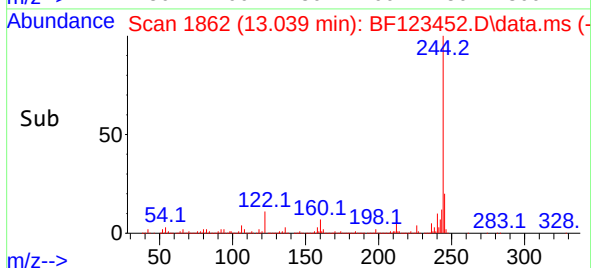
mohammad  
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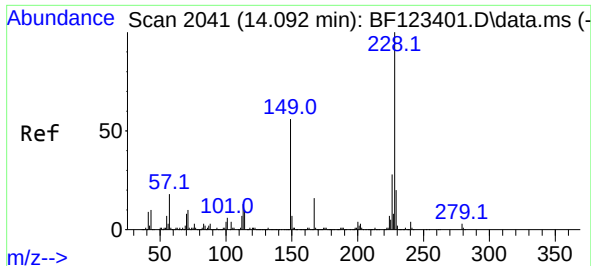


#79  
Terphenyl-d14  
Concen: 45.69 ng  
RT: 13.039 min Scan# 1862  
Delta R.T. -0.012 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06



Tgt Ion:244 Resp: 1139384  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.7 8.5  
122 11.0 8.3 12.5





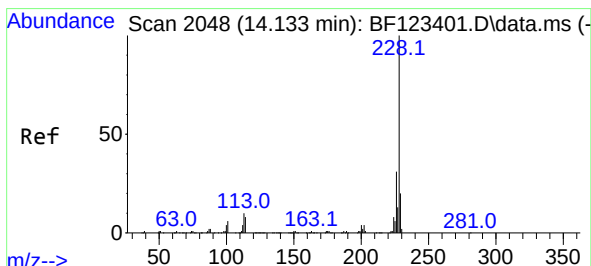
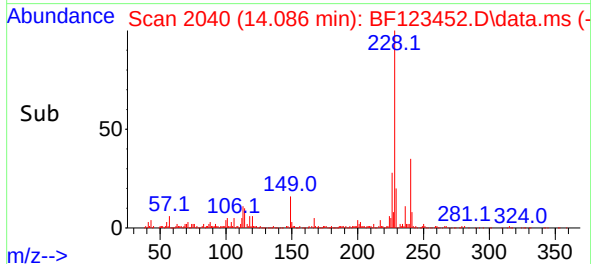
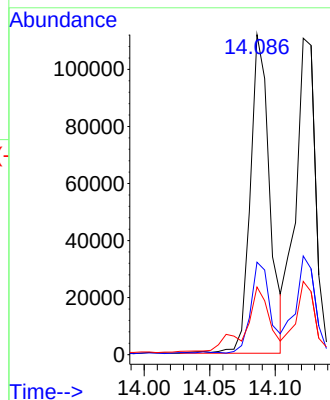
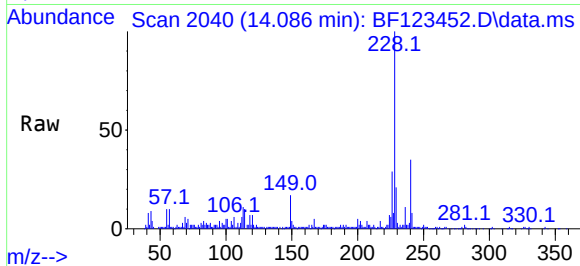
#81  
Benzo(a)anthracene  
Concen: 4.14 ng  
RT: 14.086 min Scan# 2040  
Delta R.T. -0.012 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

Tgt Ion:228 Resp: 114619  
Ion Ratio Lower Upper  
228 100  
226 28.9 23.0 34.4  
229 21.1 16.6 24.8

Instrument :  
BNA\_F  
ClientSampled :  
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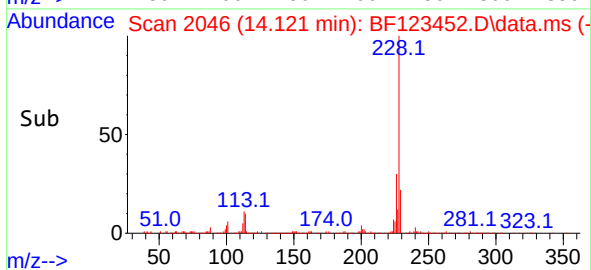
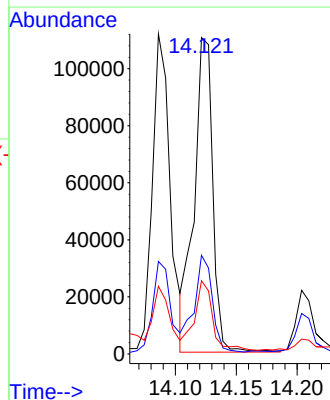
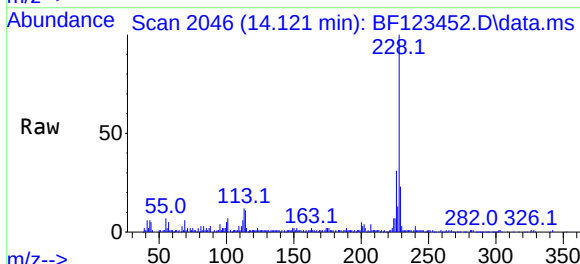
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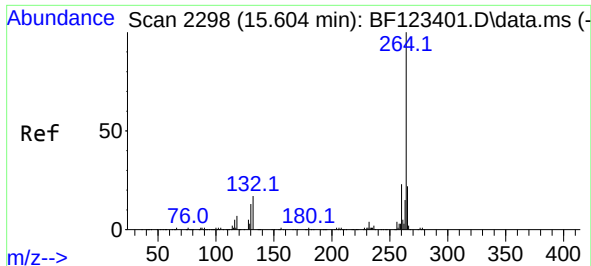
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#83  
Chrysene  
Concen: 4.13 ng  
RT: 14.121 min Scan# 2046  
Delta R.T. -0.012 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

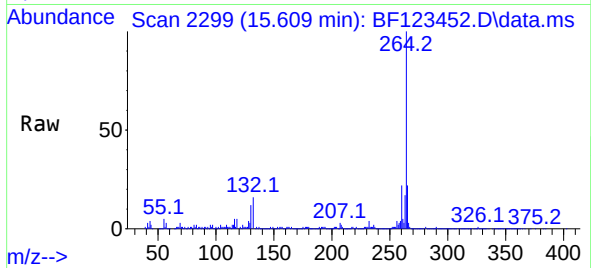
Tgt Ion:228 Resp: 117960  
Ion Ratio Lower Upper  
228 100  
226 31.2 24.6 36.8  
229 23.1 15.8 23.6





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.609 min Scan# 2299  
Delta R.T. -0.000 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

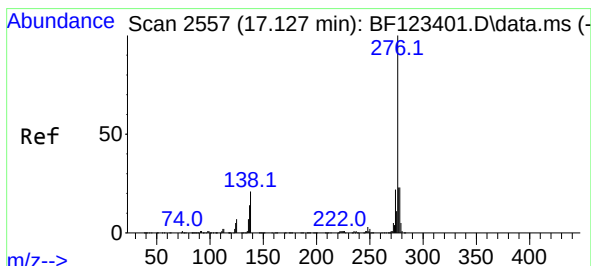
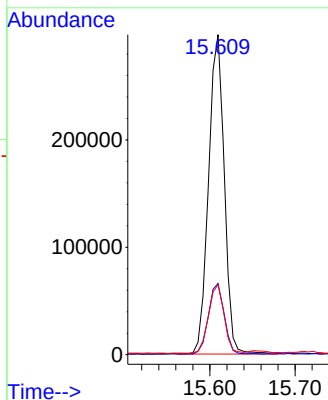
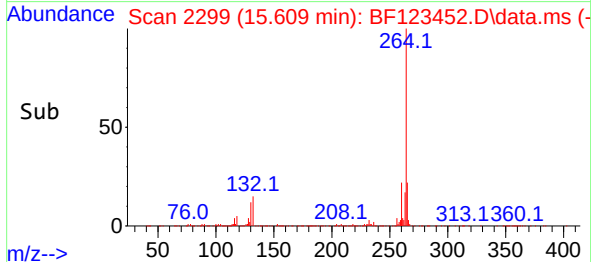
Instrument :  
BNA\_F  
ClientSampleId :  
NB-08-032321



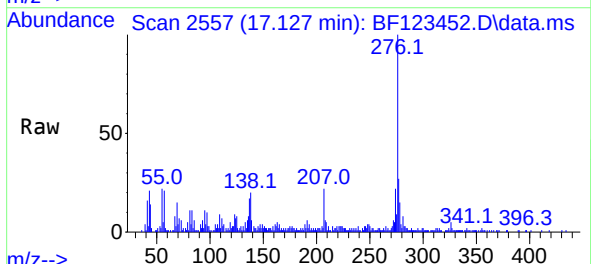
Tgt Ion:264 Resp: 382170  
Ion Ratio Lower Upper  
264 100  
260 22.2 18.6 28.0  
265 21.9 17.0 25.6

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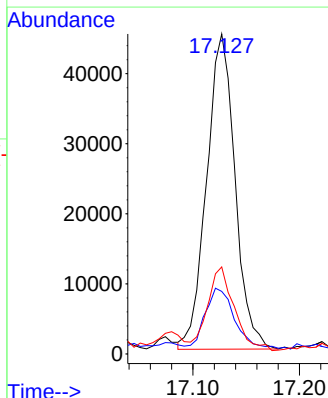
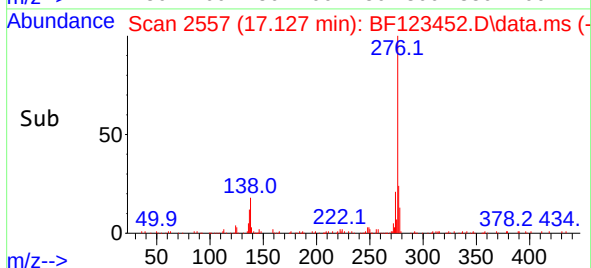
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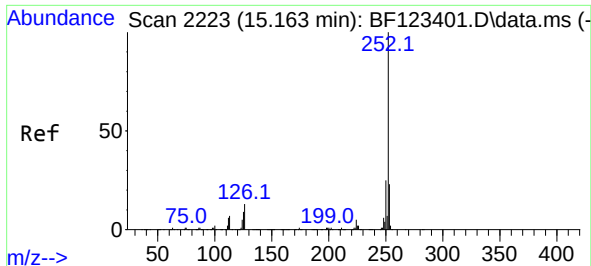


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.51 ng  
RT: 17.127 min Scan# 2557  
Delta R.T. -0.006 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06



Tgt Ion:276 Resp: 83403  
Ion Ratio Lower Upper  
276 100  
138 19.3 18.7 28.1  
277 24.4 20.2 30.4





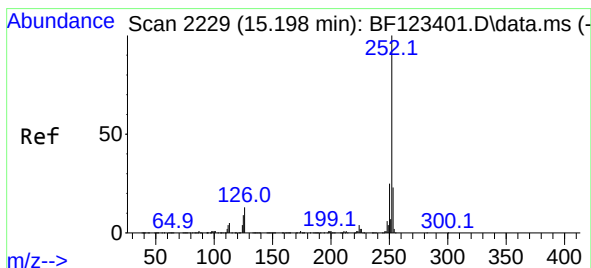
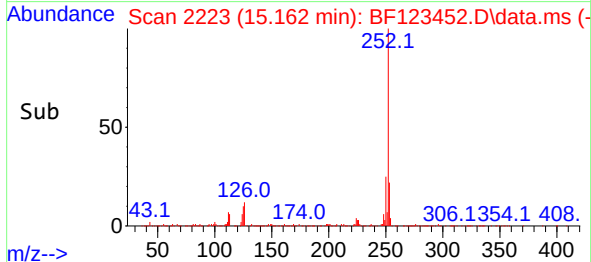
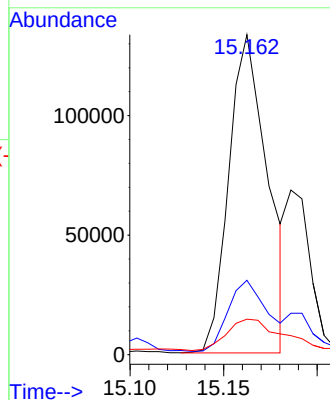
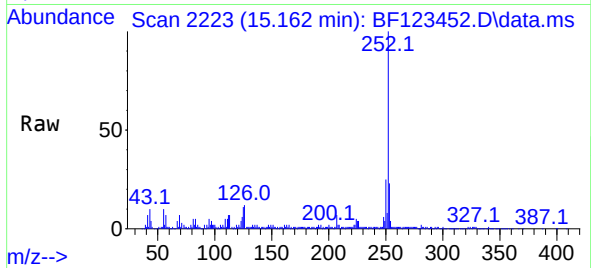
#88  
Benzo(b)fluoranthene  
Concen: 7.26 ng m  
RT: 15.162 min Scan# 2223  
Delta R.T. -0.006 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

Tgt Ion:252 Resp: 191444  
Ion Ratio Lower Upper  
252 100  
253 23.3 18.3 27.5  
125 11.1 8.1 12.1

Instrument :  
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ClientSampled :  
NB-08-032321

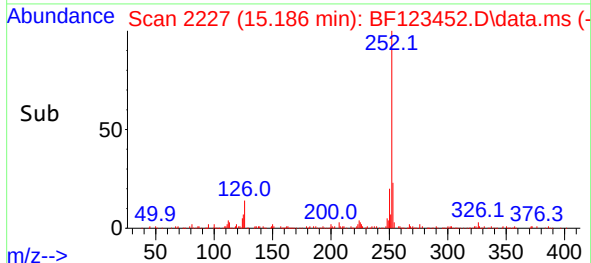
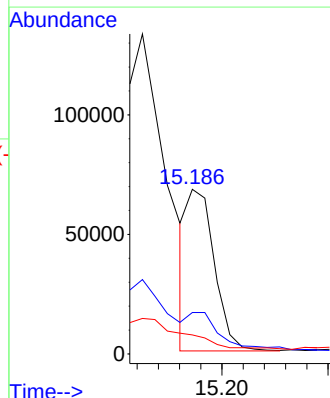
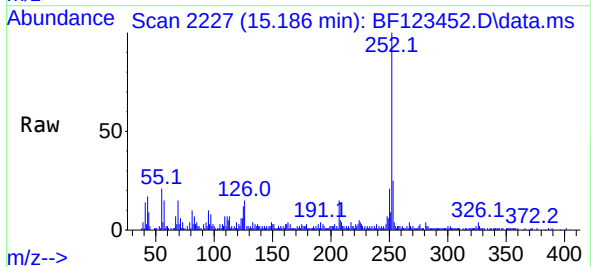
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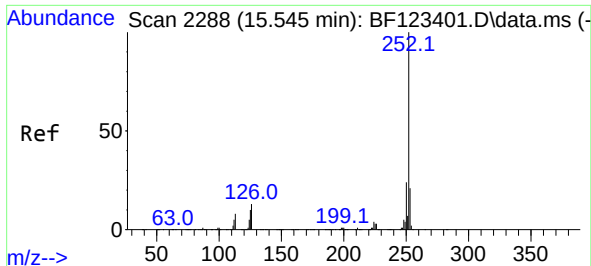
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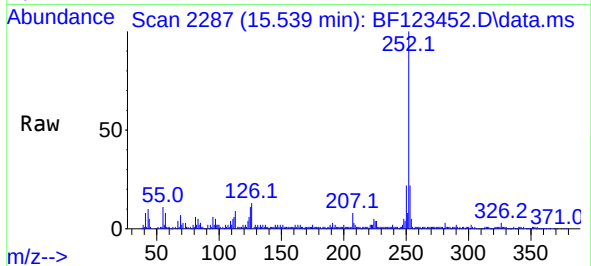
#89  
Benzo(k)fluoranthene  
Concen: 2.40 ng m  
RT: 15.186 min Scan# 2227  
Delta R.T. -0.012 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06

Tgt Ion:252 Resp: 59842  
Ion Ratio Lower Upper  
252 100  
253 25.2 17.8 26.8  
125 11.6 8.4 12.6

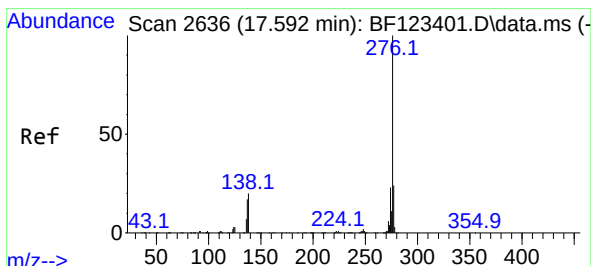
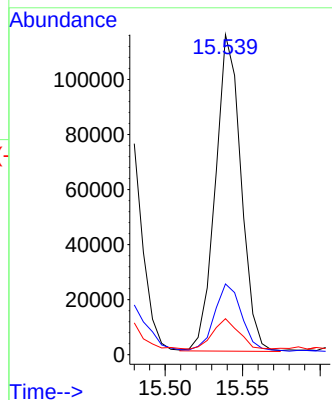
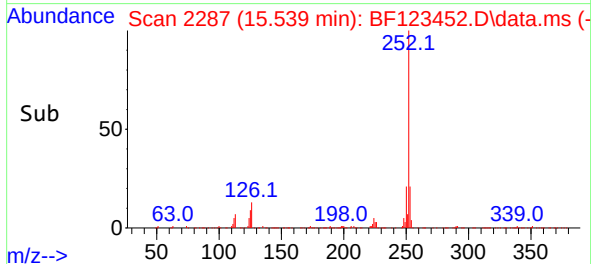




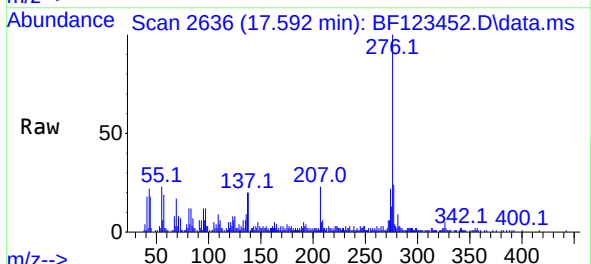
#90  
Benzo(a)pyrene  
Concen: 5.81 ng  
RT: 15.539 min Scan# 2287  
Delta R.T. -0.006 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06



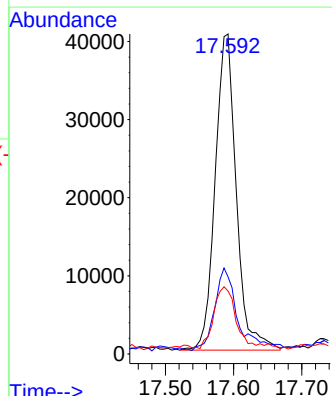
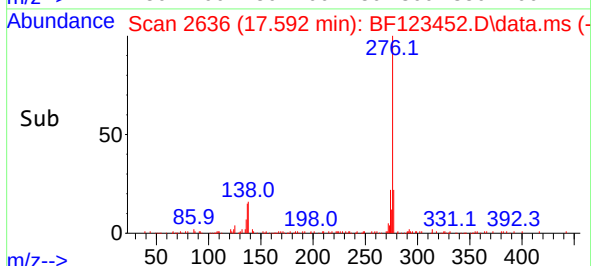
Tgt Ion:252 Resp: 132303  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.5 26.3  
125 11.3 8.6 12.8



#92  
Benzo(g,h,i)perylene  
Concen: 4.32 ng  
RT: 17.592 min Scan# 2636  
Delta R.T. -0.006 min  
Lab File: BF123452.D  
Acq: 24 Mar 2021 22:06



Tgt Ion:276 Resp: 87182  
Ion Ratio Lower Upper  
276 100  
277 24.1 19.3 28.9  
138 19.7 16.6 24.8



Instrument :  
BNA\_F  
ClientSampleId :  
NB-08-032321

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