

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122321\  
 Data File : BN018200.D  
 Acq On : 24 Dec 2021 04:01  
 Operator : CG/JU  
 Sample : M5107-09  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 OB-CS-09

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/27/2021  
 Supervised By :mohammad ahmed 12/30/2021

Quant Time: Dec 24 23:34:11 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN122321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 23 14:22:48 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.624  | 152  | 41580    | 0.400  | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.394 | 136  | 181699   | 0.400  | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.256 | 164  | 122789   | 0.400  | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.993 | 188  | 229133   | 0.400  | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.238 | 240  | 73781m   | 0.400  | ng    | 0.04     |
| 35) Perylene-d12              | 23.505 | 264  | 81721m   | 0.400  | ng    | 0.09     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) 2-Fluorophenol             | 5.254  | 112  | 308      | 0.003  | ng    | 0.03     |
| 5) Phenol-d6                  | 6.822  | 99   | 2469     | 0.025  | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.772  | 82   | 21725    | 0.178  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.994 | 152  | 40455    | 0.130  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.778 | 330  | 172      | 0.182  | ng    | 0.03     |
| 15) 2-Fluorobiphenyl          | 12.873 | 172  | 61963    | 0.135  | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.038 | 212  | 57473    | 0.079  | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.659 | 244  | 37640m   | 0.232  | ng    | 0.01     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 9) Naphthalene                | 10.445 | 128  | 33836    | 0.075  | ng    | 97       |
| 12) 2-Methylnaphthalene       | 12.065 | 142  | 18021    | 0.061  | ng    | 96       |
| 25) Phenanthrene              | 17.030 | 178  | 142196m  | 0.234  | ng    |          |
| 28) Fluoranthene              | 19.073 | 202  | 125348   | 0.177  | ng    | # 90     |
| 30) Pyrene                    | 19.435 | 202  | 148086m  | 0.625  | ng    |          |
| 32) Benzo(a)anthracene        | 21.227 | 228  | 27032m   | 0.126  | ng    |          |
| 33) Chrysene                  | 21.270 | 228  | 64348m   | 0.275  | ng    |          |
| 34) Bis(2-ethylhexyl)phtha... | 21.164 | 149  | 1329135m | 11.360 | ng    |          |
| 37) Benzo(b)fluoranthene      | 22.837 | 252  | 46719m   | 0.185  | ng    |          |
| 39) Benzo(a)pyrene            | 23.313 | 252  | 23827    | 0.105  | ng    | # 1      |
| 41) Benzo(g,h,i)perylene      | 26.449 | 276  | 18780    | 0.086  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

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

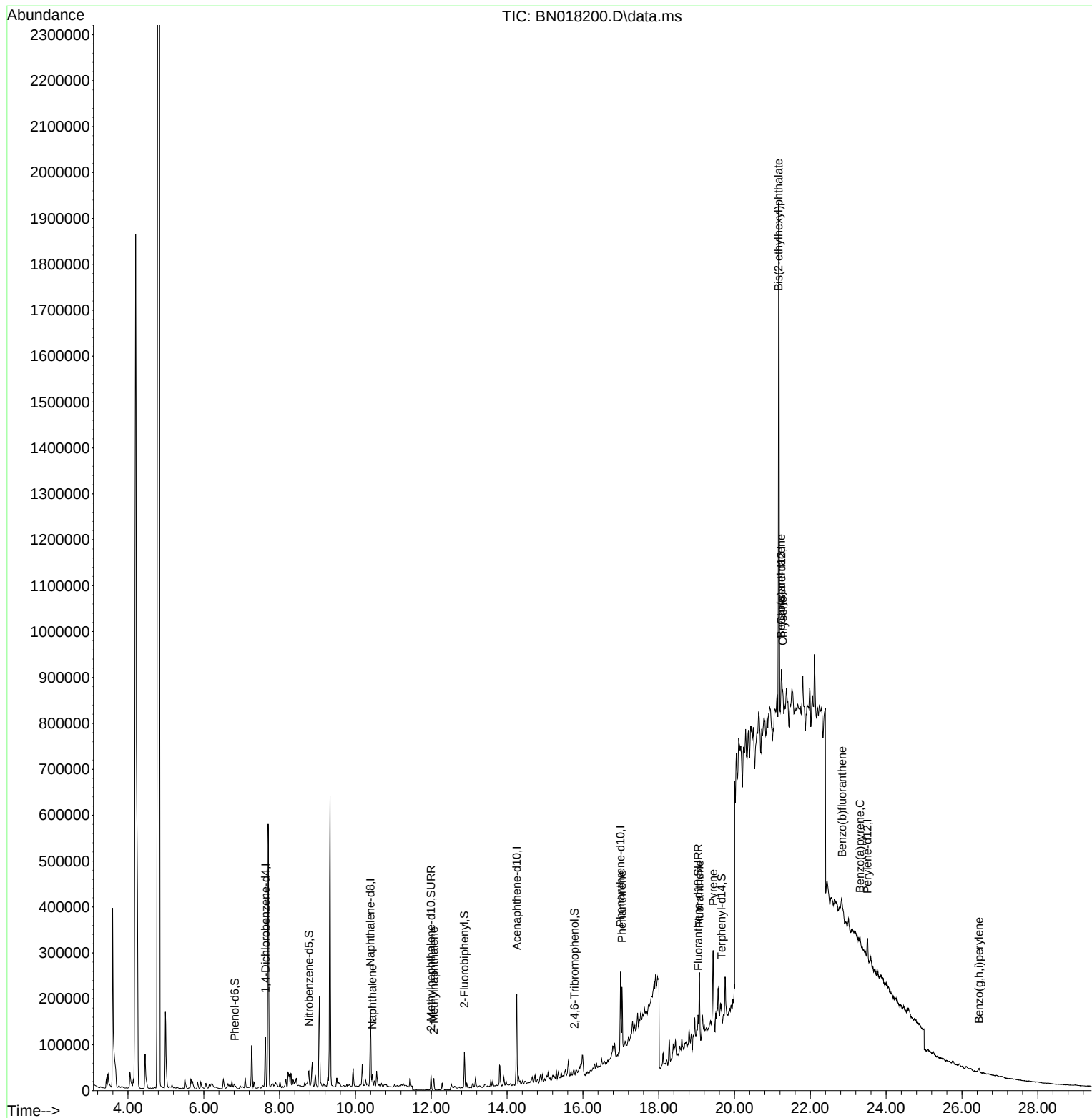
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122321\  
Data File : BN018200.D  
Acq On : 24 Dec 2021 04:01  
Operator : CG/JU  
Sample : M5107-09  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

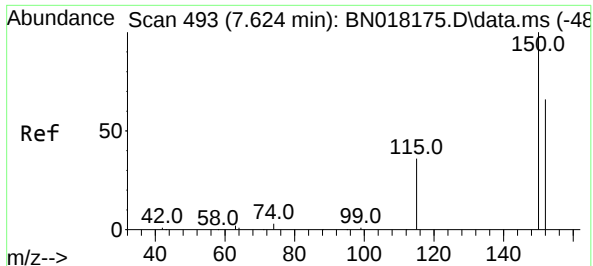
Instrument :  
BNA\_N  
ClientSampleId :  
OB-CS-09

Manual Integrations  
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Reviewed By :Jagrut Upadhyay 12/27/2021  
Supervised By :mohammad ahmed 12/30/2021

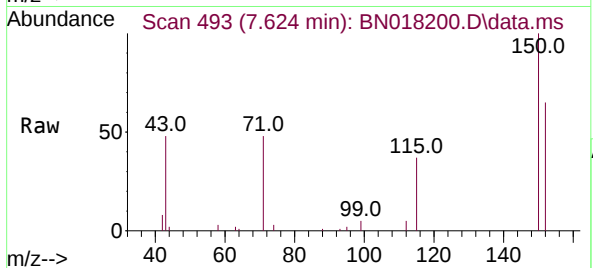
Quant Time: Dec 24 23:34:11 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN122321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 23 14:22:48 2021  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.624 min Scan# 493  
Delta R.T. -0.000 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

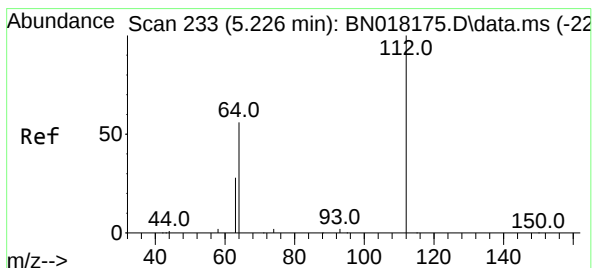
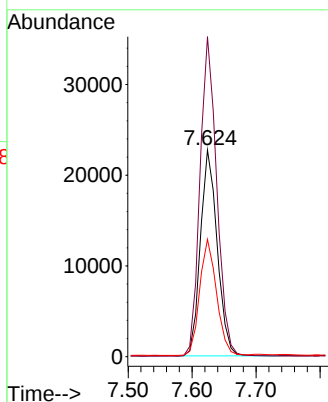
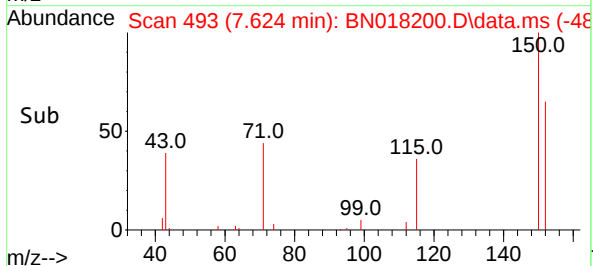
Instrument :  
BNA\_N  
ClientSampleId :  
OB-CS-09



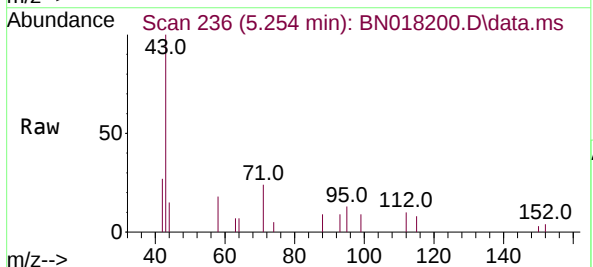
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Ion Ratio Lower Upper  
152 100  
150 154.8 121.7 182.5  
115 56.7 43.8 65.8

Manual Integrations  
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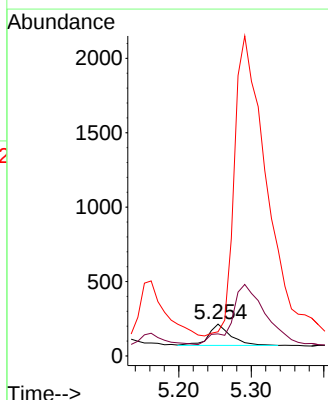
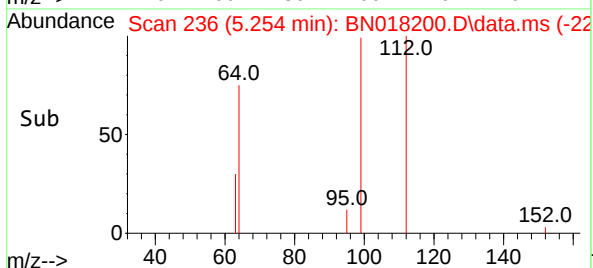
Reviewed By :Jagrut Upadhyay 12/27/2021  
Supervised By :mohammad ahmed 12/30/2021

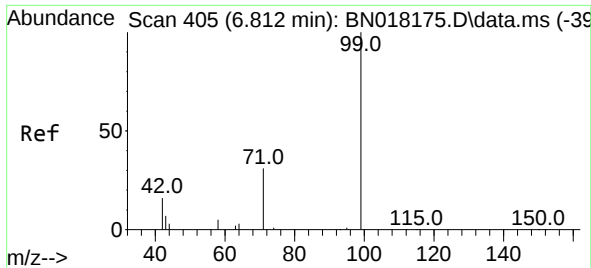


#4  
2-Fluorophenol  
Concen: 0.003 ng  
RT: 5.254 min Scan# 236  
Delta R.T. 0.028 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01



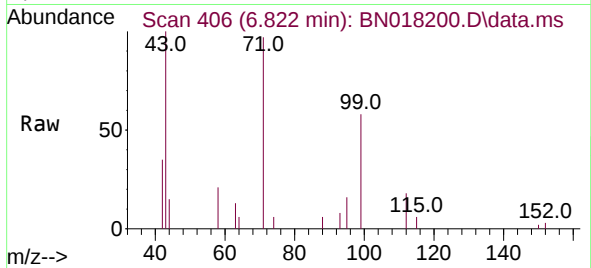
Tgt Ion:112 Resp: 308  
Ion Ratio Lower Upper  
112 100  
64 0.0 48.0 72.0#  
63 0.0 25.3 37.9#





#5  
Phenol-d6  
Concen: 0.025 ng  
RT: 6.822 min Scan# 405  
Delta R.T. 0.010 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

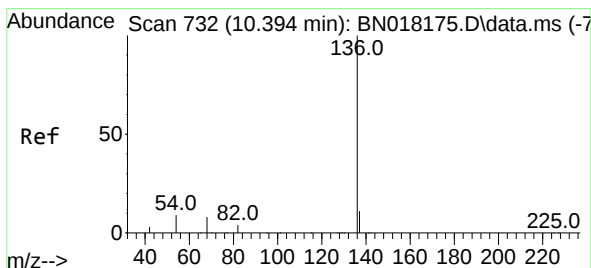
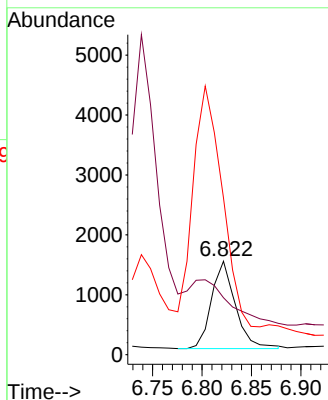
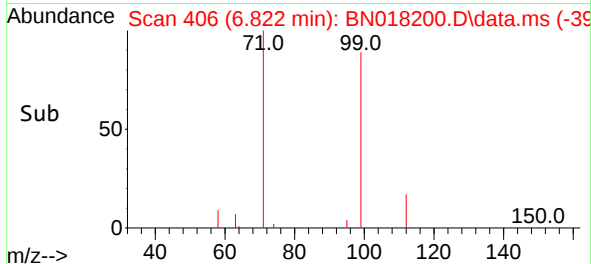
Instrument :  
BNA\_N  
ClientSampleId :  
OB-CS-09



Tgt Ion: 99 Resp: 2469  
Ion Ratio Lower Upper  
99 100  
42 72.3 16.3 24.5  
71 330.7 26.8 40.2

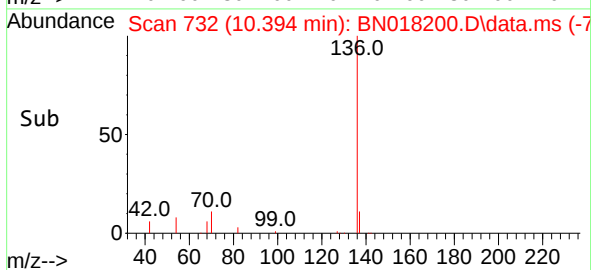
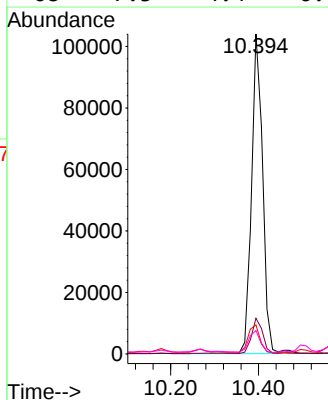
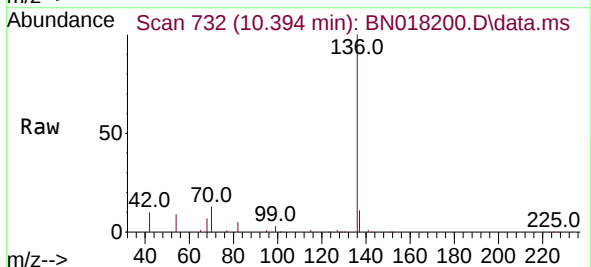
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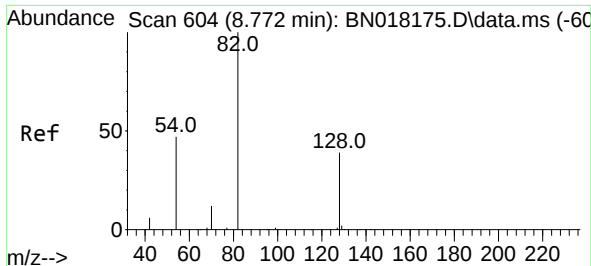
Reviewed By :Jagrut Upadhyay 12/27/2021  
Supervised By :mohammad ahmed 12/30/2021



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.394 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

Tgt Ion:136 Resp: 181699  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 9.1 5.0 7.6#  
68 7.3 4.4 6.6#





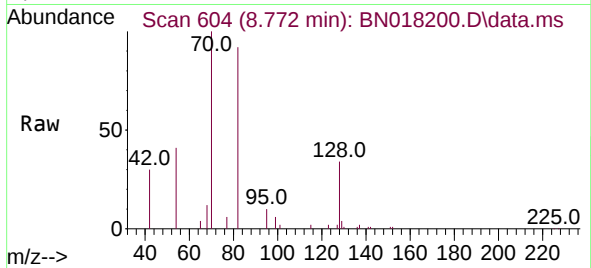
#8  
Nitrobenzene-d5  
Concen: 0.178 ng  
RT: 8.772 min Scan# 604  
Delta R.T. -0.000 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

Instrument :

BNA\_N

ClientSampleId :

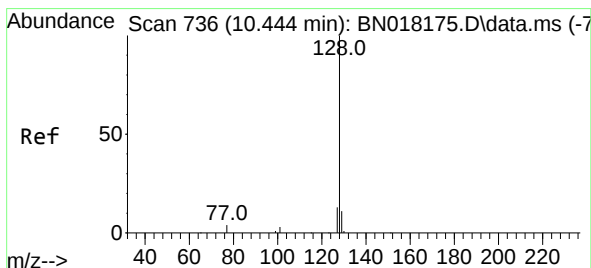
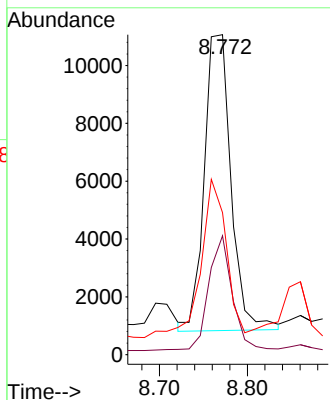
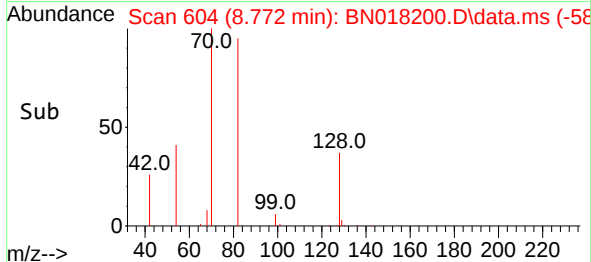
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Tgt Ion: 82 Resp: 21725  
Ion Ratio Lower Upper  
82 100  
128 37.2 33.7 50.5  
54 44.4 36.6 55.0

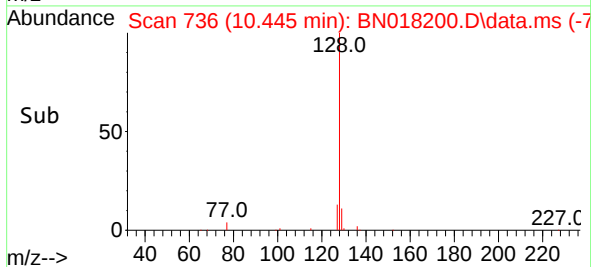
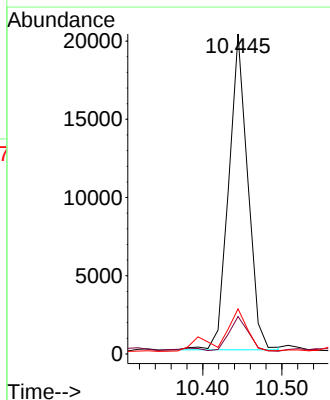
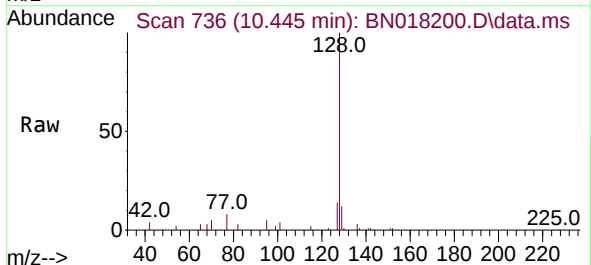
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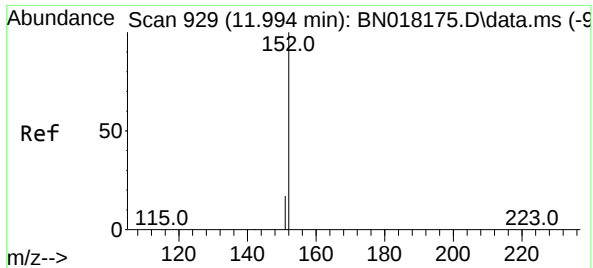
Reviewed By :Jagrut Upadhyay 12/27/2021  
Supervised By :mohammad ahmed 12/30/2021



#9  
Naphthalene  
Concen: 0.075 ng  
RT: 10.445 min Scan# 736  
Delta R.T. 0.001 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

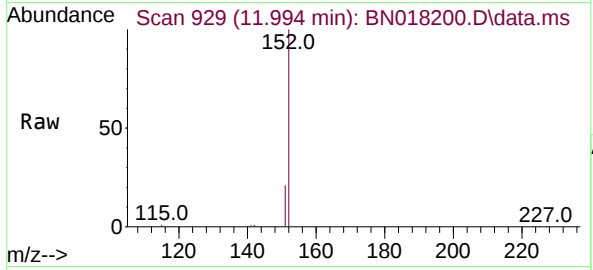
Tgt Ion:128 Resp: 33836  
Ion Ratio Lower Upper  
128 100  
129 11.7 8.7 13.1  
127 14.1 10.4 15.6





#11  
2-Methylnaphthalene-d10  
Concen: 0.130 ng  
RT: 11.994 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

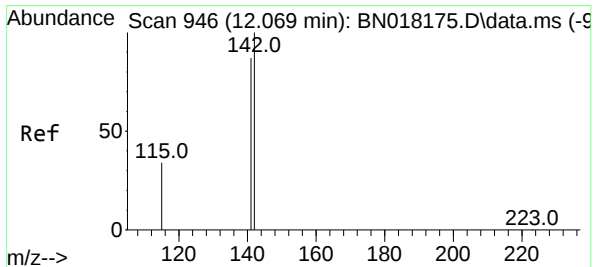
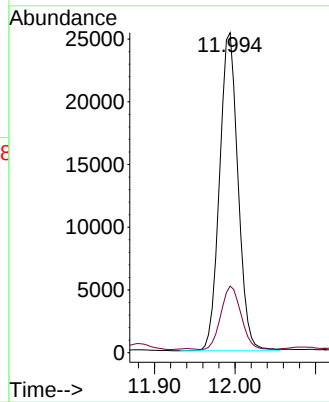
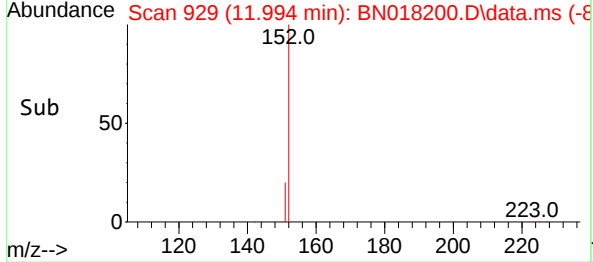
Instrument :  
BNA\_N  
ClientSampleId :  
OB-CS-09



Tgt Ion:152 Resp: 4045  
Ion Ratio Lower Upper  
152 100  
151 21.6 16.2 24.2

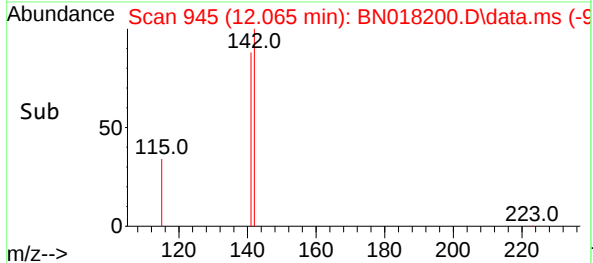
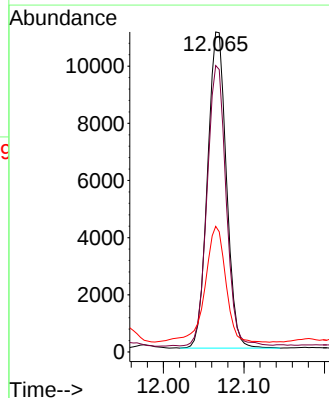
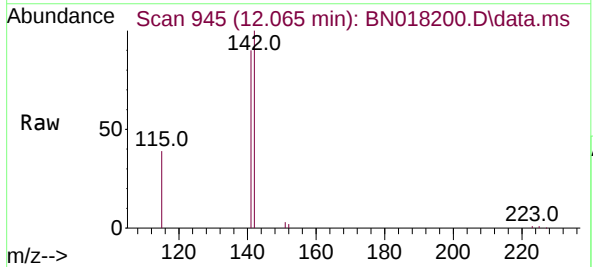
Manual Integrations  
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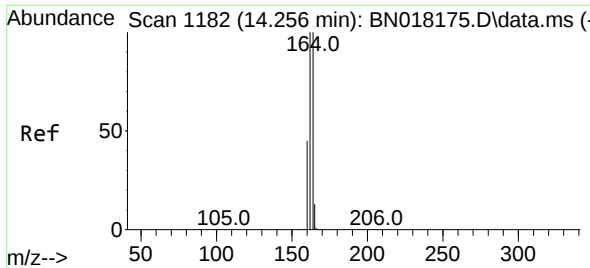
Reviewed By :Jagrut Upadhyay 12/27/2021  
Supervised By :mohammad ahmed 12/30/2021



#12  
2-Methylnaphthalene  
Concen: 0.061 ng  
RT: 12.065 min Scan# 945  
Delta R.T. -0.004 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

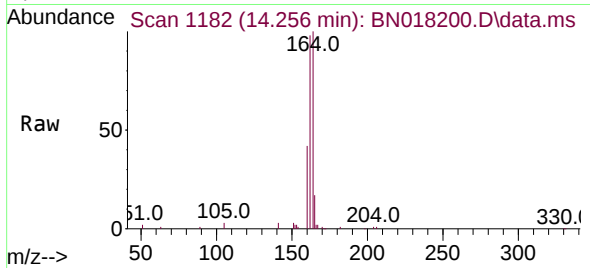
Tgt Ion:142 Resp: 18021  
Ion Ratio Lower Upper  
142 100  
141 89.5 70.0 105.0  
115 39.2 27.8 41.8





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.256 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

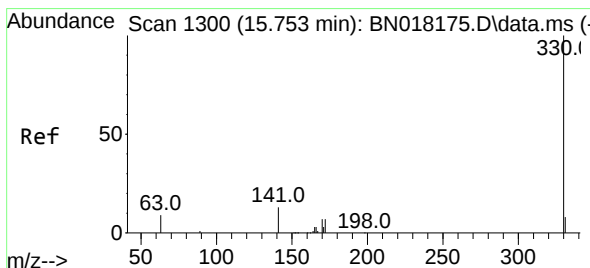
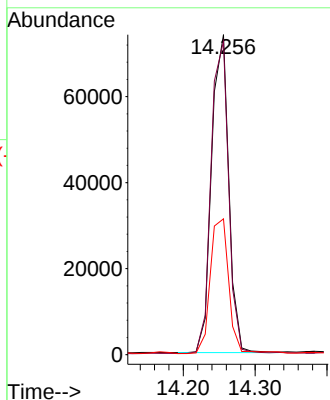
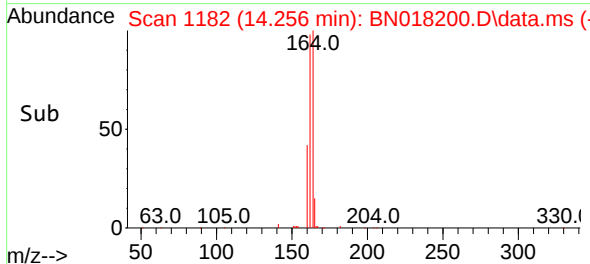
Instrument :  
BNA\_N  
ClientSampleId :  
OB-CS-09



Tgt Ion:164 Resp: 122789  
Ion Ratio Lower Upper  
164 100  
162 97.9 80.2 120.2  
160 42.5 36.9 55.3

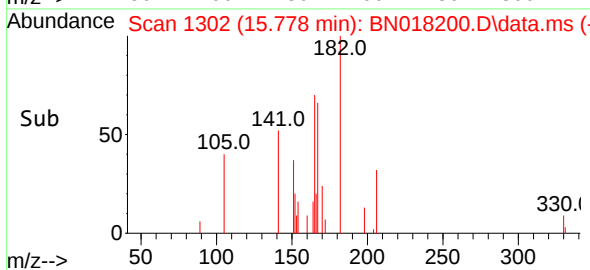
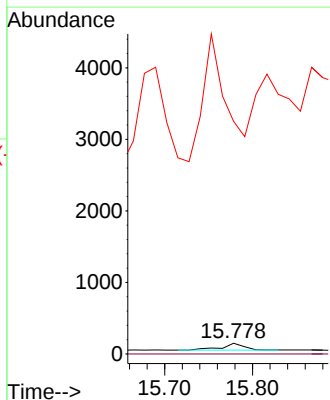
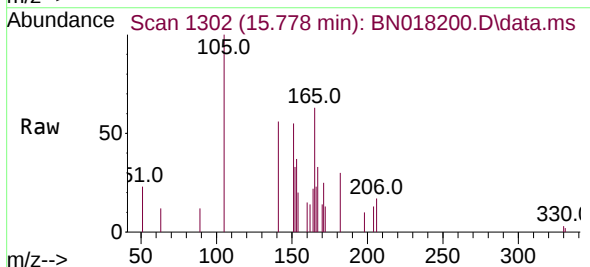
Manual Integrations  
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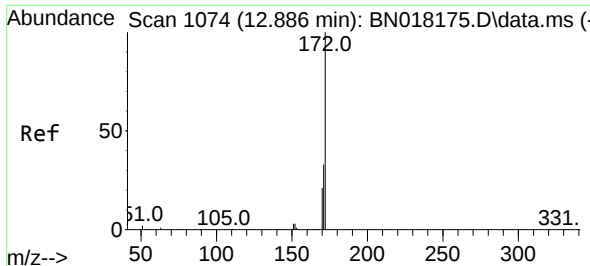
Reviewed By :Jagrut Upadhyay 12/27/2021  
Supervised By :mohammad ahmed 12/30/2021



#14  
2,4,6-Tribromophenol  
Concen: 0.182 ng  
RT: 15.778 min Scan# 1302  
Delta R.T. 0.025 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

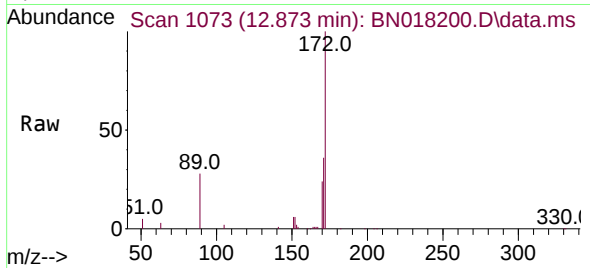
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Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 0.0 21.3 31.9#





#15  
2-Fluorobiphenyl  
Concen: 0.135 ng  
RT: 12.873 min Scan# 1073  
Delta R.T. -0.013 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

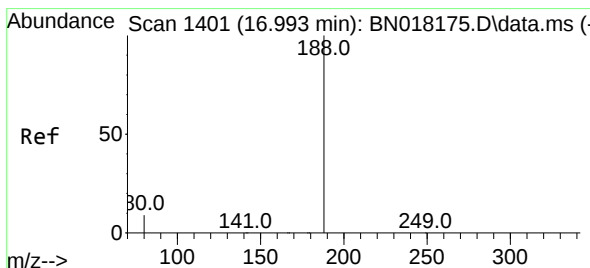
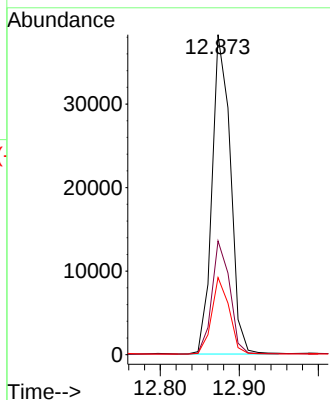
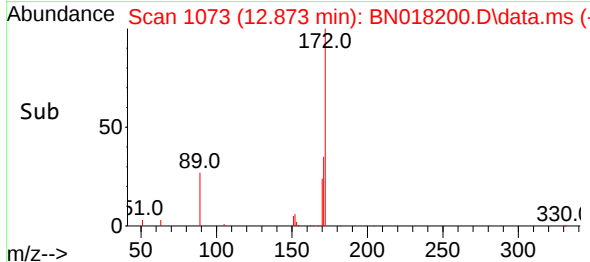
Instrument :  
BNA\_N  
ClientSampleId :  
OB-CS-09



Tgt Ion:172 Resp: 6196  
Ion Ratio Lower Upper  
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171 35.6 27.4 41.0  
170 24.1 18.4 27.6

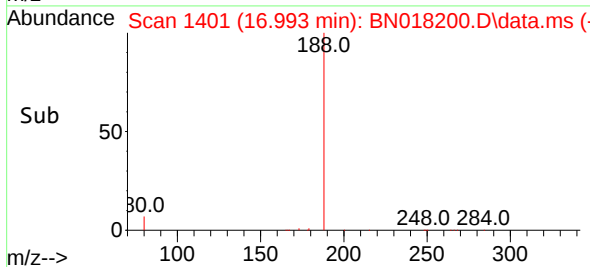
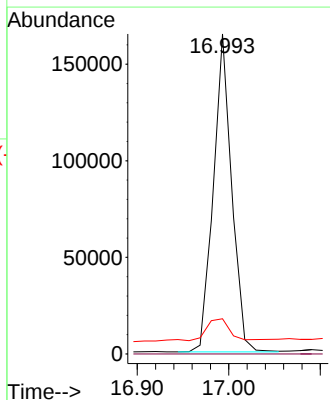
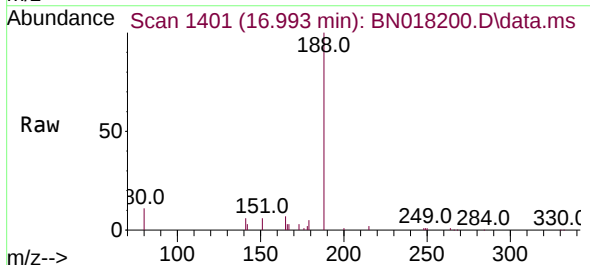
Manual Integrations  
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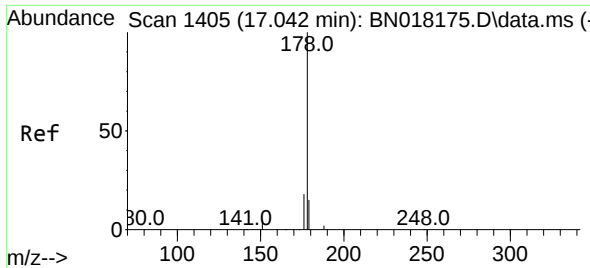
Reviewed By :Jagrut Upadhyay 12/27/2021  
Supervised By :mohammad ahmed 12/30/2021



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.993 min Scan# 1401  
Delta R.T. 0.000 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

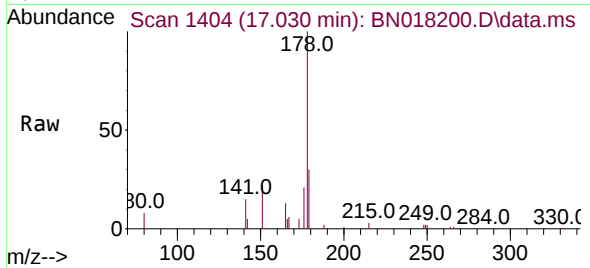
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Ion Ratio Lower Upper  
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80 11.0 7.0 10.4#





#25  
Phenanthrene  
Concen: 0.234 ng m  
RT: 17.030 min Scan# 1405  
Delta R.T. -0.012 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

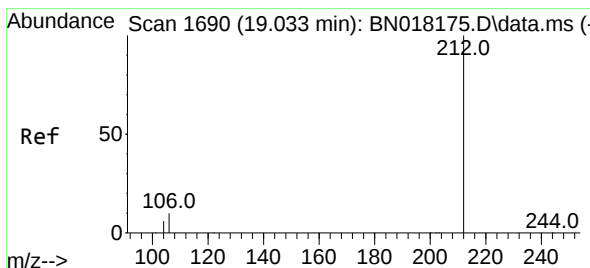
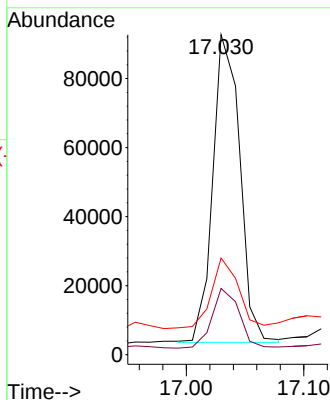
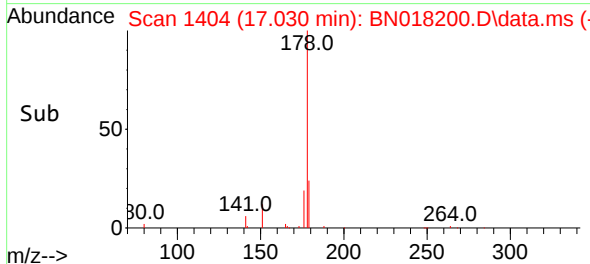
Instrument :  
BNA\_N  
ClientSampleId :  
OB-CS-09



Tgt Ion:178 Resp: 142190  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.3 22.9  
179 23.2 12.3 18.5

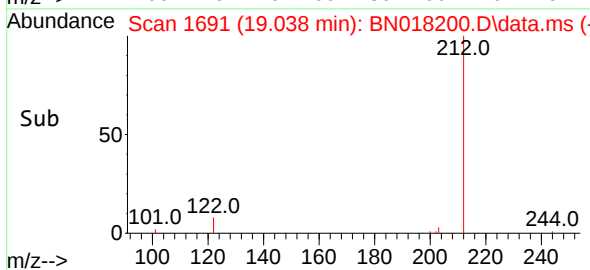
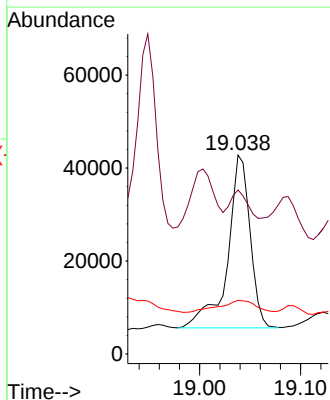
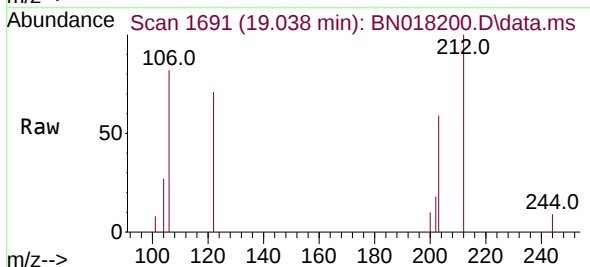
Manual Integrations  
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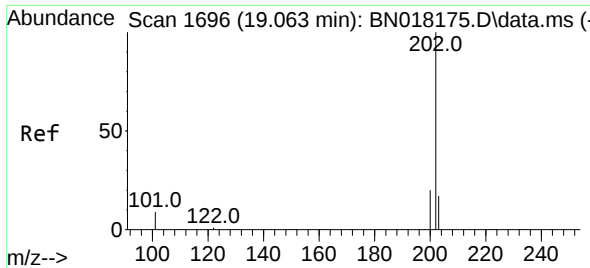
Reviewed By :Jagrut Upadhyay 12/27/2021  
Supervised By :mohammad ahmed 12/30/2021



#27  
Fluoranthene-d10  
Concen: 0.079 ng  
RT: 19.038 min Scan# 1691  
Delta R.T. 0.005 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

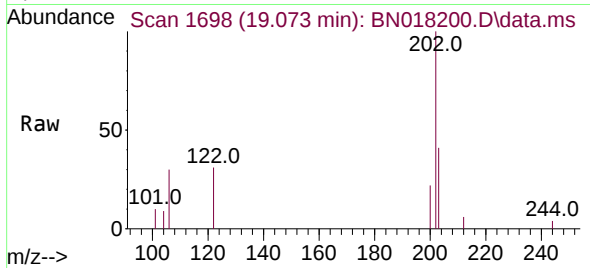
Tgt Ion:212 Resp: 57473  
Ion Ratio Lower Upper  
212 100  
106 15.5 8.4 12.6#  
104 11.1 4.5 6.7#





#28  
Fluoranthene  
Concen: 0.177 ng  
RT: 19.073 min Scan# 1000  
Delta R.T. 0.010 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

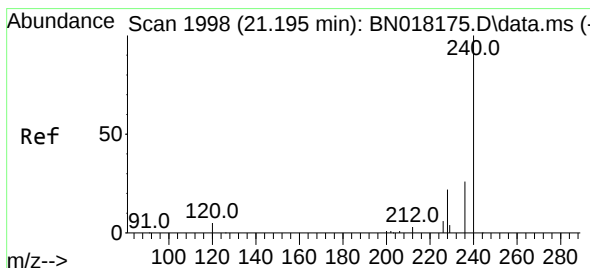
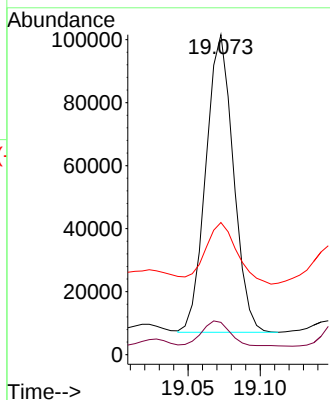
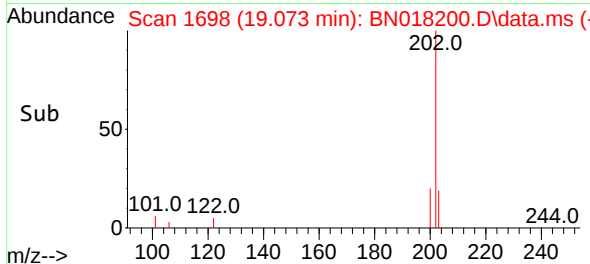
Instrument :  
BNA\_N  
ClientSampleId :  
OB-CS-09



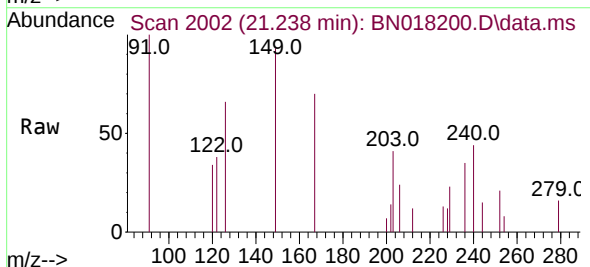
Tgt Ion:202 Resp: 125348  
Ion Ratio Lower Upper  
202 100  
101 8.9 7.2 10.8  
203 23.7 13.7 20.5

Manual Integrations  
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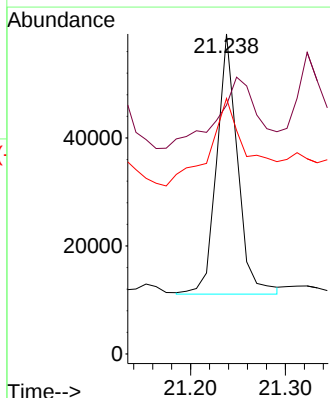
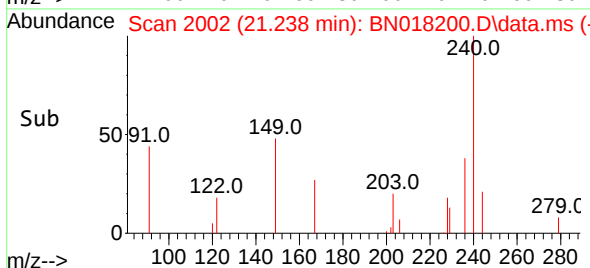
Reviewed By :Jagrut Upadhyay 12/27/2021  
Supervised By :mohammad ahmed 12/30/2021

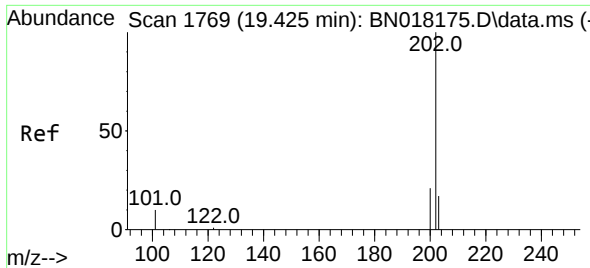


#29  
Chrysene-d12  
Concen: 0.400 ng m  
RT: 21.238 min Scan# 2002  
Delta R.T. 0.043 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01



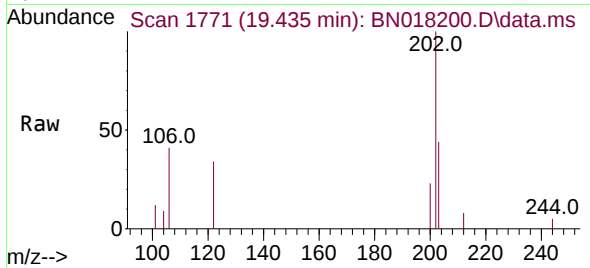
Tgt Ion:240 Resp: 73781  
Ion Ratio Lower Upper  
240 100  
120 77.8 6.0 9.0#  
236 79.9 21.4 32.2#





#30  
Pyrene  
Concen: 0.625 ng m  
RT: 19.435 min Scan# 1771  
Delta R.T. 0.010 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

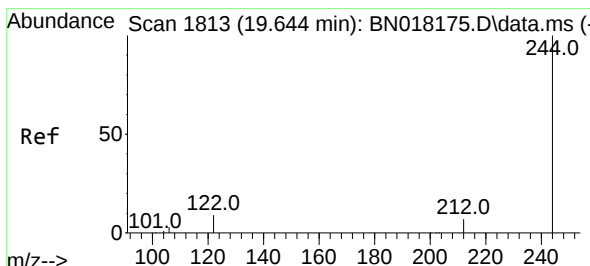
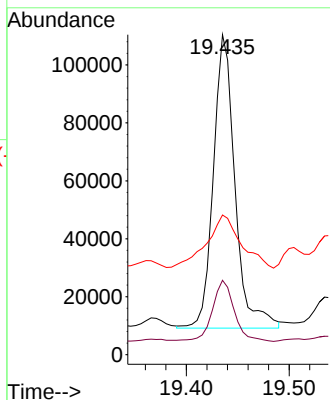
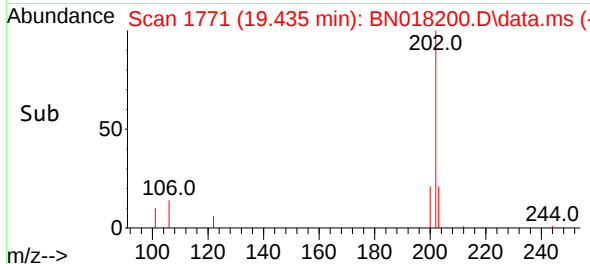
Instrument :  
BNA\_N  
ClientSampleId :  
OB-CS-09



Tgt Ion:202 Resp: 148080  
Ion Ratio Lower Upper  
202 100  
200 1.3 16.6 25.0#  
203 4.4 14.1 21.1#

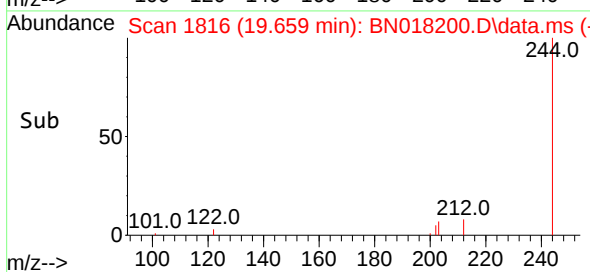
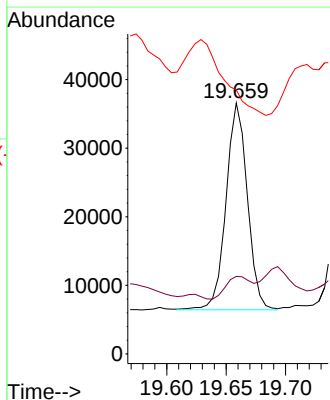
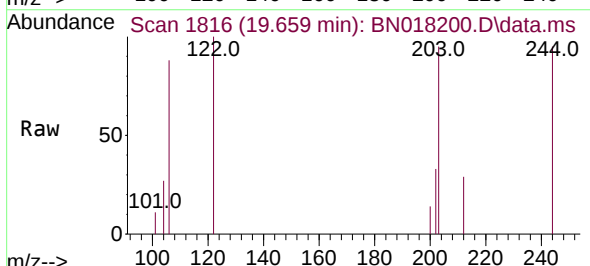
Manual Integrations  
APPROVED

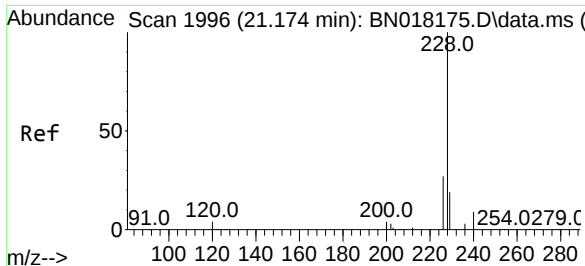
Reviewed By :Jagrut Upadhyay 12/27/2021  
Supervised By :mohammad ahmed 12/30/2021



#31  
Terphenyl-d14  
Concen: 0.232 ng m  
RT: 19.659 min Scan# 1816  
Delta R.T. 0.015 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

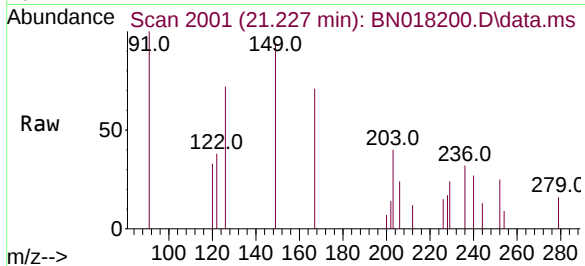
Tgt Ion:244 Resp: 37640  
Ion Ratio Lower Upper  
244 100  
212 30.9 6.2 9.2#  
122 105.2 7.9 11.9#





#32  
Benzo(a)anthracene  
Concen: 0.126 ng m  
RT: 21.227 min Scan# 2001  
Delta R.T. 0.053 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

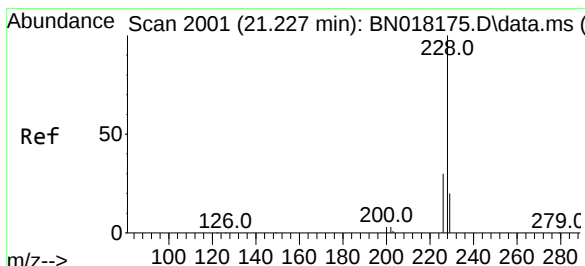
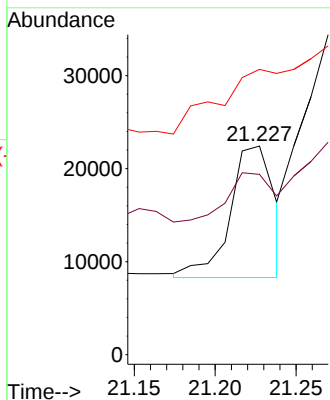
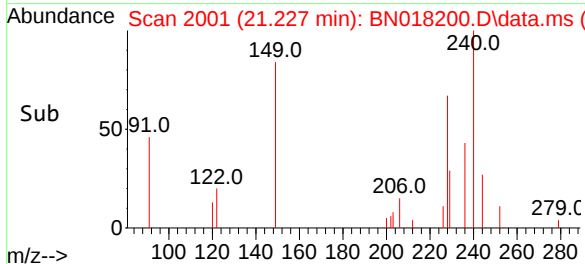
Instrument :  
BNA\_N  
ClientSampleId :  
OB-CS-09



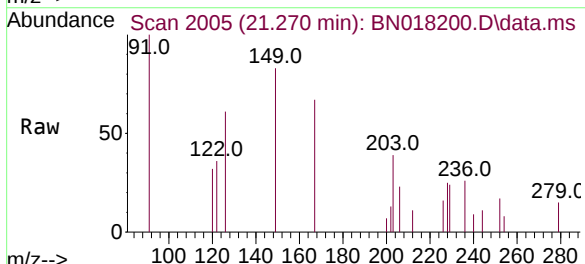
Tgt Ion:228 Resp: 27032  
Ion Ratio Lower Upper  
228 100  
226 86.5 21.3 31.9#  
229 136.7 15.9 23.9#

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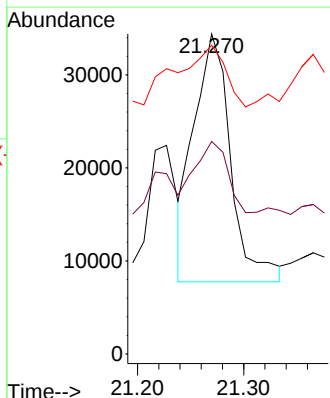
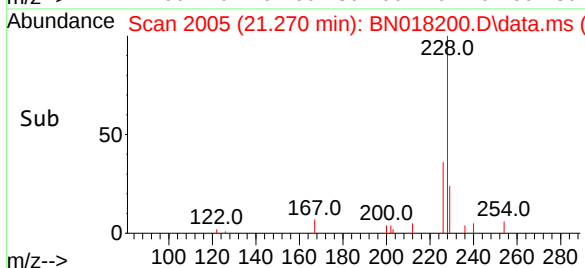
Reviewed By :Jagrut Upadhyay 12/27/2021  
Supervised By :mohammad ahmed 12/30/2021

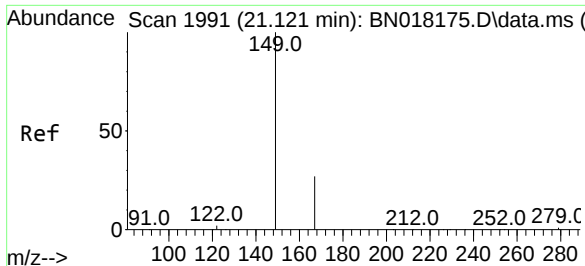


#33  
Chrysene  
Concen: 0.275 ng m  
RT: 21.270 min Scan# 2005  
Delta R.T. 0.043 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01



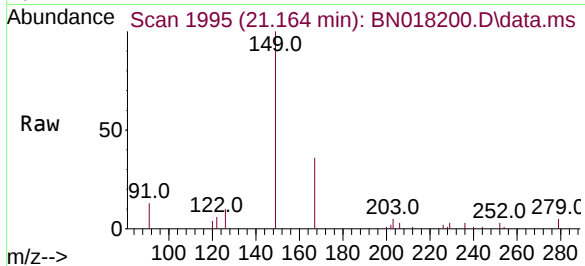
Tgt Ion:228 Resp: 64348  
Ion Ratio Lower Upper  
228 100  
226 66.4 24.2 36.4#  
229 96.5 15.5 23.3#





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 11.360 ng m  
RT: 21.164 min Scan# 1995  
Delta R.T. 0.043 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

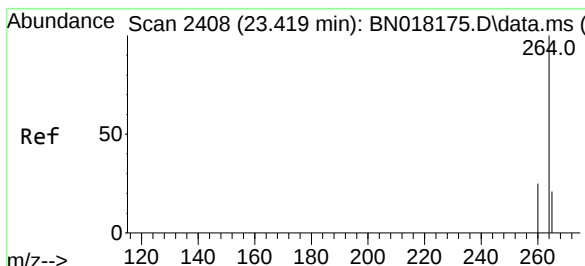
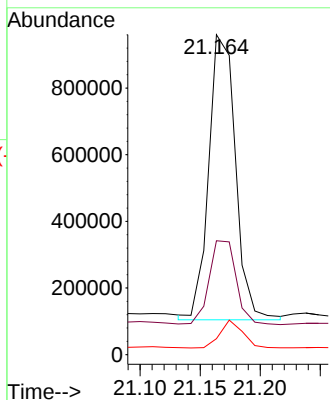
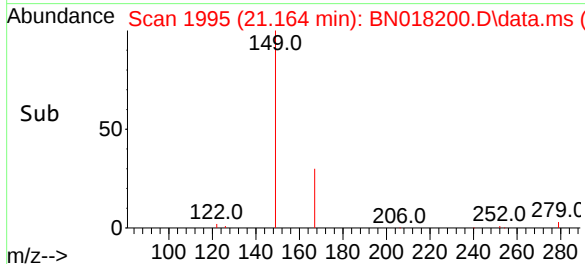
Instrument :  
BNA\_N  
ClientSampleId :  
OB-CS-09



Tgt Ion:149 Resp: 132913  
Ion Ratio Lower Upper  
149 100  
167 0.0 23.7 35.5#  
279 0.0 3.6 5.4#

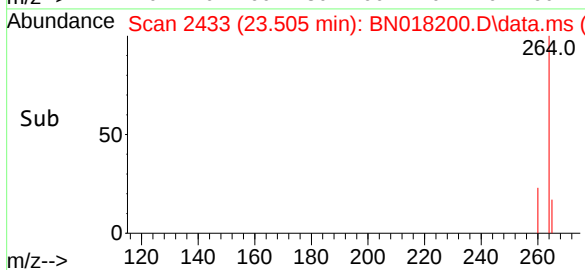
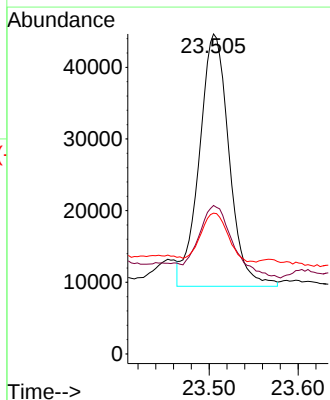
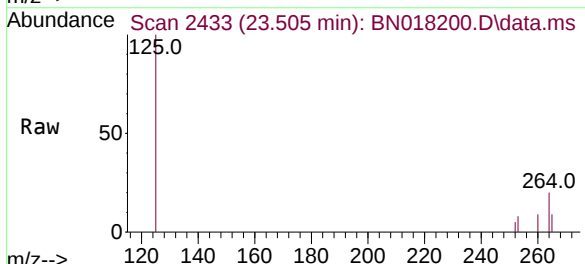
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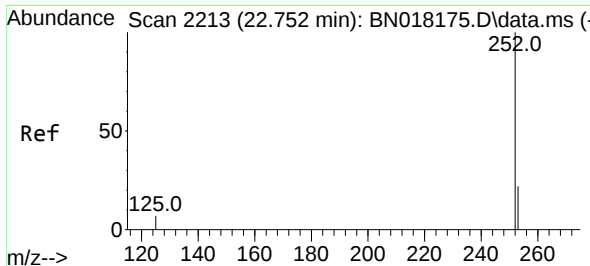
Reviewed By :Jagrut Upadhyay 12/27/2021  
Supervised By :mohammad ahmed 12/30/2021



#35  
Perylene-d12  
Concen: 0.400 ng m  
RT: 23.505 min Scan# 2433  
Delta R.T. 0.086 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

Tgt Ion:264 Resp: 81721  
Ion Ratio Lower Upper  
264 100  
260 46.4 20.2 30.4#  
265 44.0 18.2 27.2#





#37

Benzo(b)fluoranthene

Concen: 0.185 ng m

RT: 22.837 min Scan# 21

Delta R.T. 0.085 min

Lab File: BN018200.D

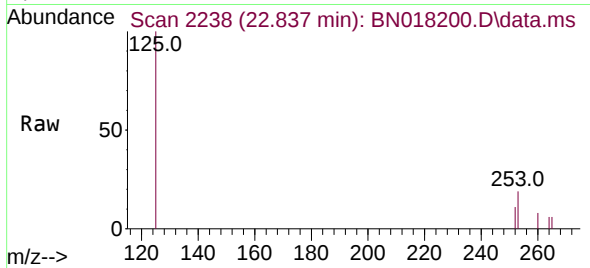
Acq: 24 Dec 2021 04:01

Instrument :

BN018200.D

ClientSampleId :

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Tgt Ion:252 Resp: 46719

Ion Ratio Lower Upper

252 100

253 170.0 17.8 26.6

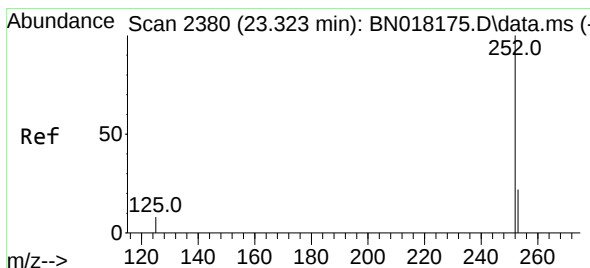
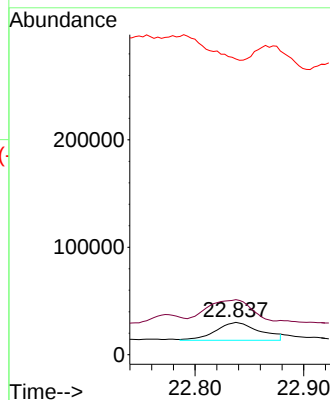
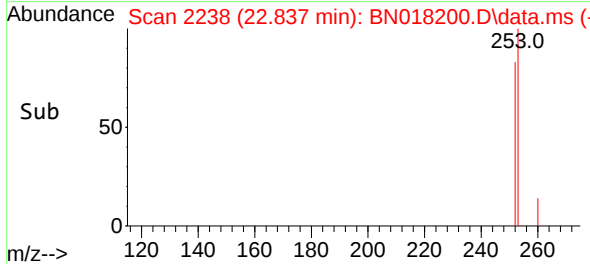
125 914.6 6.0 9.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/27/2021

Supervised By :mohammad ahmed 12/30/2021



#39

Benzo(a)pyrene

Concen: 0.105 ng

RT: 23.313 min Scan# 2377

Delta R.T. -0.010 min

Lab File: BN018200.D

Acq: 24 Dec 2021 04:01

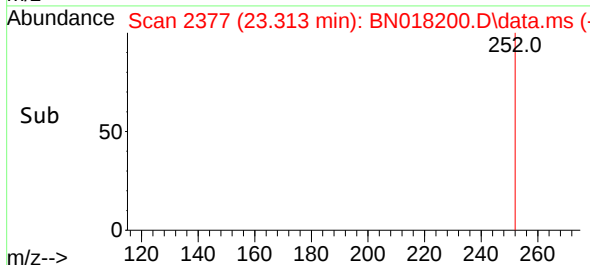
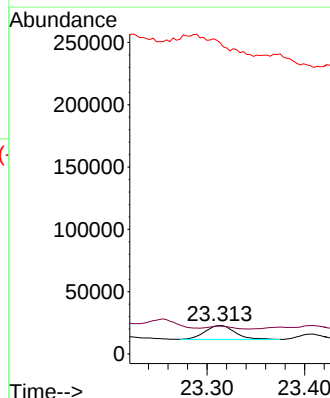
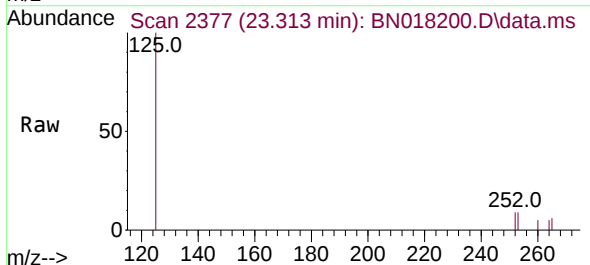
Tgt Ion:252 Resp: 23827

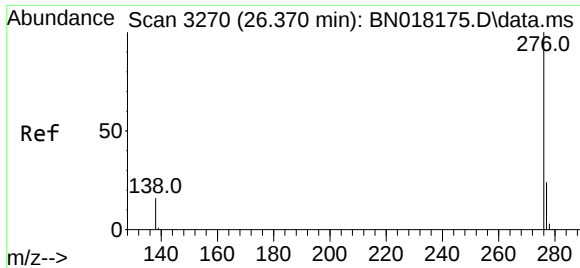
Ion Ratio Lower Upper

252 100

253 97.4 17.8 26.6#

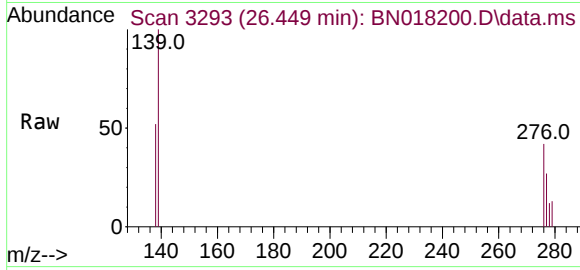
125 1090.8 7.0 10.4#





#41  
Benzo(g,h,i)perylene  
Concen: 0.086 ng  
RT: 26.449 min Scan# 31  
Delta R.T. 0.079 min  
Lab File: BN018200.D  
Acq: 24 Dec 2021 04:01

Instrument :  
BNA\_N  
ClientSampleId :  
OB-CS-09



Tgt Ion:276 Resp: 18780  
Ion Ratio Lower Upper  
276 100  
277 64.7 19.0 28.6  
138 123.2 12.6 19.0

Manual Integrations  
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Reviewed By :Jagrut Upadhyay 12/27/2021  
Supervised By :mohammad ahmed 12/30/2021

