

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN033122\  
 Data File : BN019285.D  
 Acq On : 01 Apr 2022 13:43  
 Operator : CG/JU  
 Sample : N2220-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A03015

Quant Time: Apr 01 16:41:49 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN033122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 31 12:41:03 2022  
 Response via : Initial Calibration

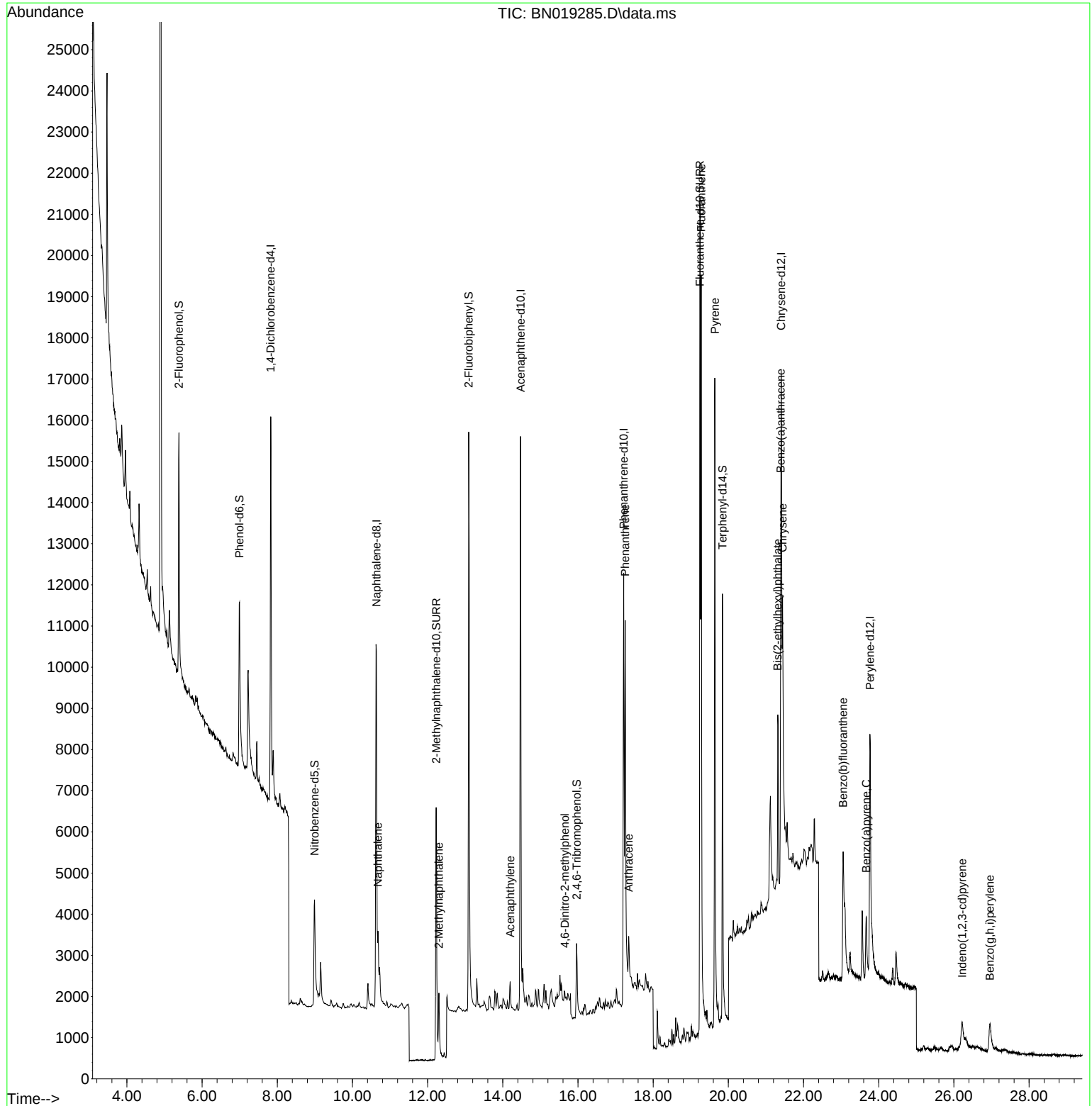
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.826  | 152  | 5428     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.637 | 136  | 14736    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.474 | 164  | 9133     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.215 | 188  | 17851    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.404 | 240  | 13514    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.767 | 264  | 11321    | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.384  | 112  | 5335     | 0.450 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.995  | 99   | 5018     | 0.398 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.993  | 82   | 3628     | 0.343 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.227 | 152  | 10499    | 0.449 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.964 | 330  | 1401     | 0.328 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.095 | 172  | 14419    | 0.393 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.244 | 212  | 25895    | 0.483 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.843 | 244  | 13823    | 0.460 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 9) Naphthalene                | 10.680 | 128  | 1908     | 0.045 | ng    | # 88     |
| 12) 2-Methylnaphthalene       | 12.299 | 142  | 1250     | 0.045 | ng    | # 91     |
| 16) Acenaphthylene            | 14.196 | 152  | 888      | 0.021 | ng    | # 93     |
| 20) 4,6-Dinitro-2-methylph... | 15.650 | 198  | 8        | 0.093 | ng    | # 1      |
| 25) Phenanthrene              | 17.256 | 178  | 11223    | 0.200 | ng    | 99       |
| 26) Anthracene                | 17.349 | 178  | 2135     | 0.046 | ng    | # 89     |
| 28) Fluoranthene              | 19.278 | 202  | 18230    | 0.272 | ng    | 99       |
| 30) Pyrene                    | 19.641 | 202  | 15651    | 0.234 | ng    | 96       |
| 32) Benzo(a)anthracene        | 21.395 | 228  | 5035     | 0.119 | ng    | # 91     |
| 33) Chrysene                  | 21.440 | 228  | 5858     | 0.108 | ng    | # 92     |
| 34) Bis(2-ethylhexyl)phtha... | 21.315 | 149  | 4251     | 0.150 | ng    | # 98     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.220 | 276  | 1734     | 0.037 | ng    | # 70     |
| 37) Benzo(b)fluoranthene      | 23.054 | 252  | 5404     | 0.129 | ng    | # 35     |
| 39) Benzo(a)pyrene            | 23.668 | 252  | 2664     | 0.070 | ng    | # 14     |
| 41) Benzo(g,h,i)perylene      | 26.957 | 276  | 2109     | 0.045 | ng    | # 73     |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN033122\  
Data File : BN019285.D  
Acq On : 01 Apr 2022 13:43  
Operator : CG/JU  
Sample : N2220-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A03015

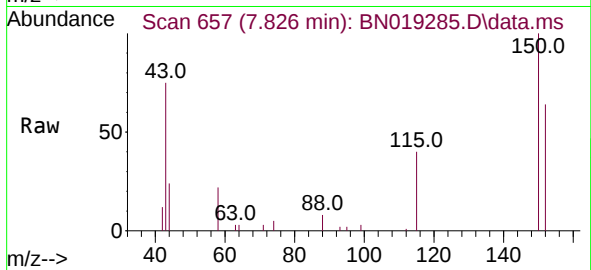
Quant Time: Apr 01 16:41:49 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN033122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 31 12:41:03 2022  
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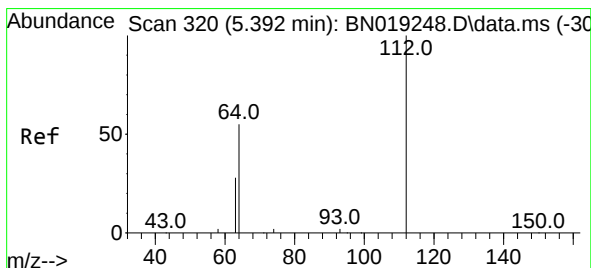
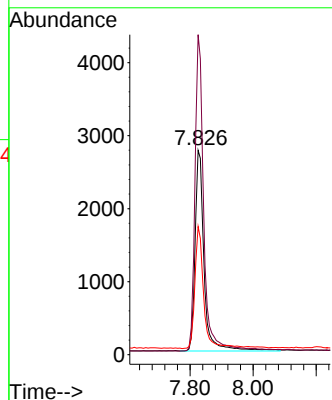
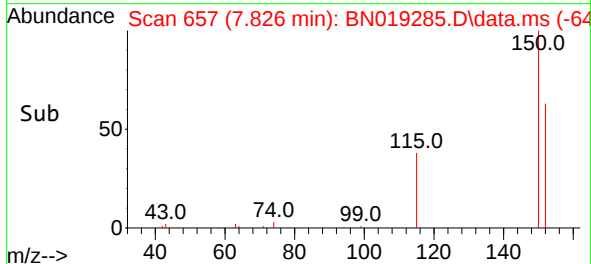


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.826 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

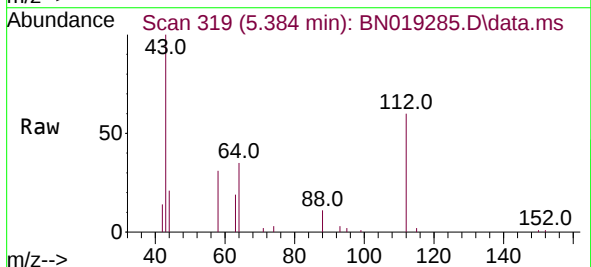
Instrument :  
BNA\_N  
ClientSampleId :  
A03015



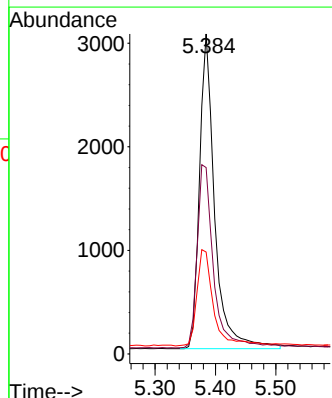
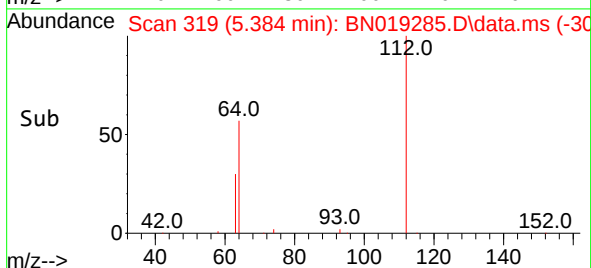
Tgt Ion:152 Resp: 5428  
Ion Ratio Lower Upper  
152 100  
150 156.6 123.9 185.9  
115 62.7 48.2 72.4

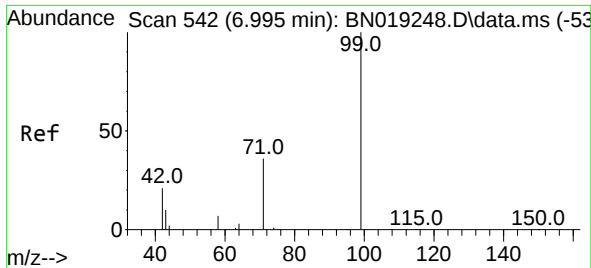


#4  
2-Fluorophenol  
Concen: 0.450 ng  
RT: 5.384 min Scan# 319  
Delta R.T. -0.007 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43



Tgt Ion:112 Resp: 5335  
Ion Ratio Lower Upper  
112 100  
64 62.7 47.8 71.8  
63 33.3 25.7 38.5

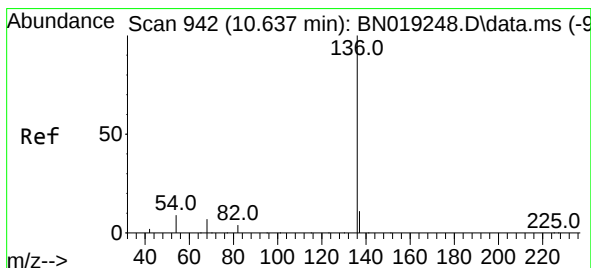
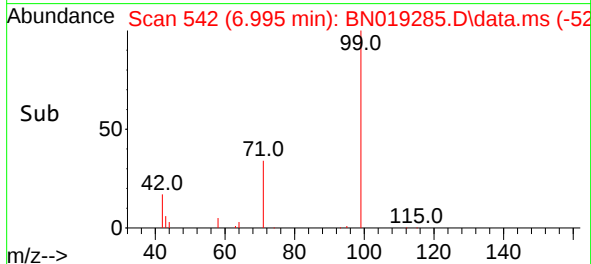
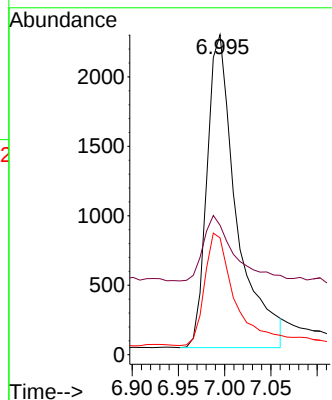
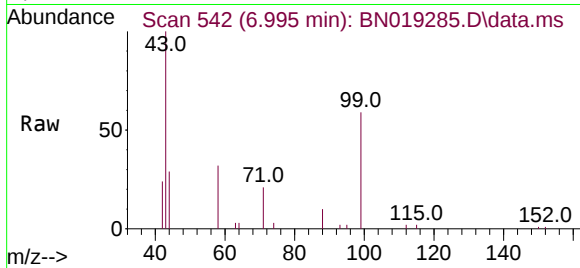




#5  
Phenol-d6  
Concen: 0.398 ng  
RT: 6.995 min Scan# 542  
Delta R.T. -0.000 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

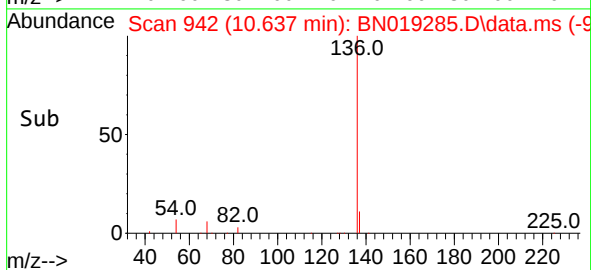
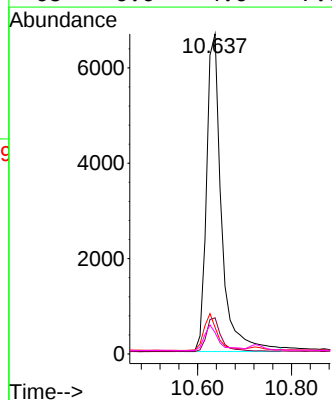
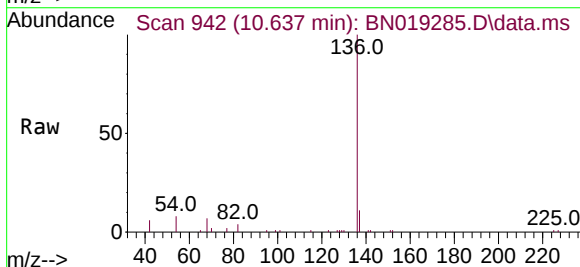
Instrument :  
BNA\_N  
ClientSampleId :  
A03015

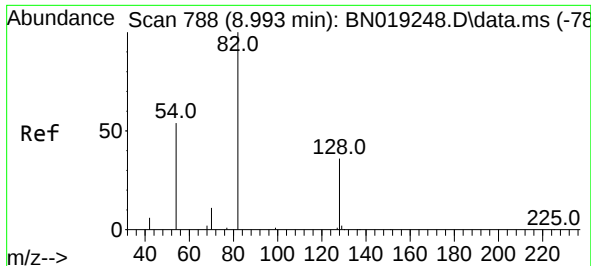
Tgt Ion: 99 Resp: 5018  
Ion Ratio Lower Upper  
99 100  
42 21.3 16.2 24.4  
71 36.5 27.7 41.5



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.637 min Scan# 942  
Delta R.T. -0.000 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

Tgt Ion: 136 Resp: 14736  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.0 13.4  
54 8.3 5.8 8.6  
68 6.6 4.6 7.0

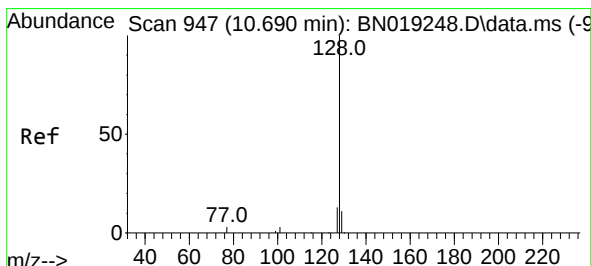
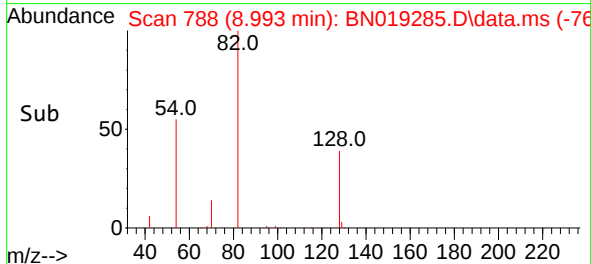
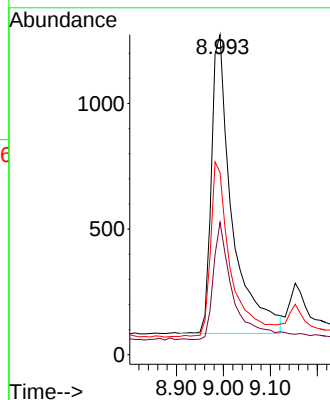
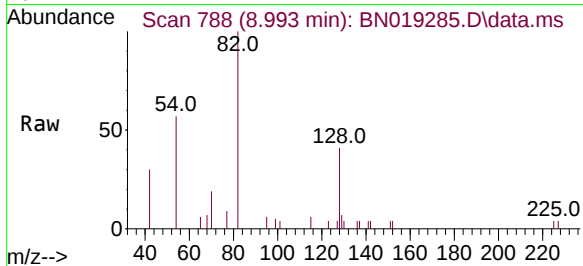




#8  
Nitrobenzene-d5  
Concen: 0.343 ng  
RT: 8.993 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

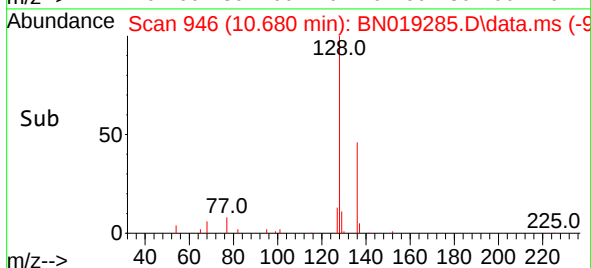
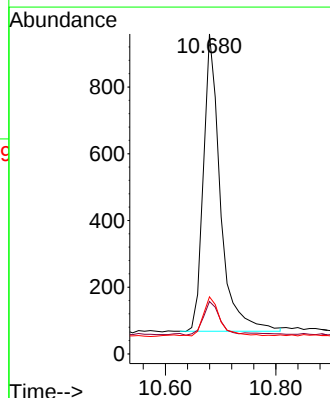
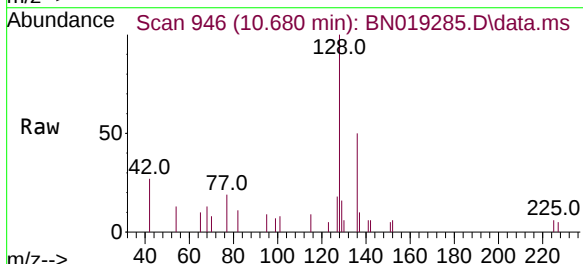
Instrument :  
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ClientSampleId :  
A03015

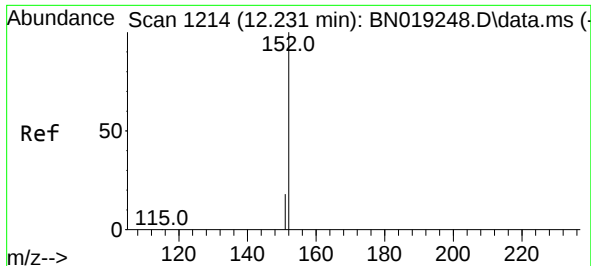
Tgt Ion: 82 Resp: 3628  
Ion Ratio Lower Upper  
82 100  
128 41.4 33.0 49.6  
54 56.9 42.5 63.7



#9  
Naphthalene  
Concen: 0.045 ng  
RT: 10.680 min Scan# 946  
Delta R.T. -0.011 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

Tgt Ion: 128 Resp: 1908  
Ion Ratio Lower Upper  
128 100  
129 16.4 9.0 13.4#  
127 17.8 10.7 16.1#





#11

2-Methylnaphthalene-d10

Concen: 0.449 ng

RT: 12.227 min Scan# 11

Delta R.T. -0.004 min

Lab File: BN019285.D

Acq: 01 Apr 2022 13:43

Instrument :

BNA\_N

ClientSampleId :

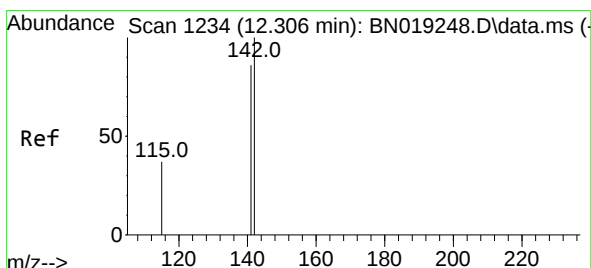
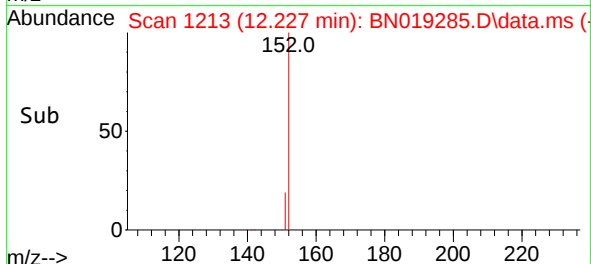
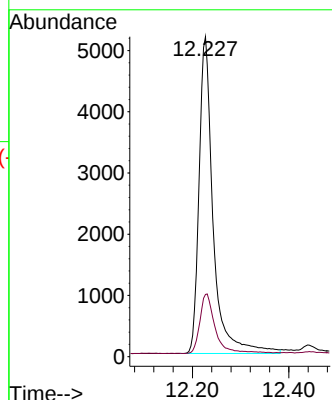
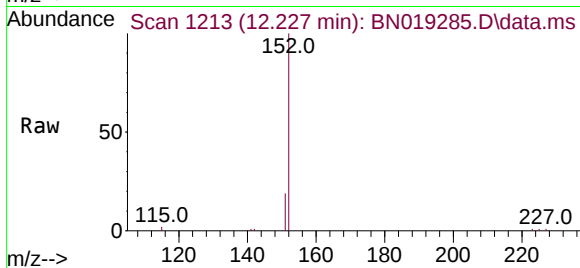
A03015

Tgt Ion:152 Resp: 10499

Ion Ratio Lower Upper

152 100

151 20.7 16.5 24.7



#12

2-Methylnaphthalene

Concen: 0.045 ng

RT: 12.299 min Scan# 1232

Delta R.T. -0.008 min

Lab File: BN019285.D

Acq: 01 Apr 2022 13:43

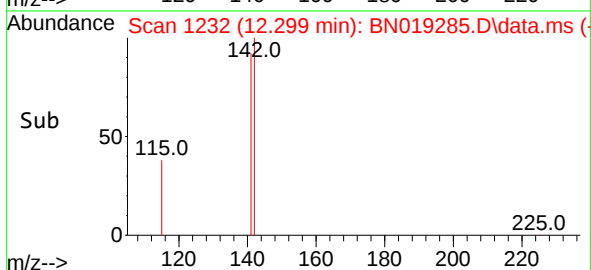
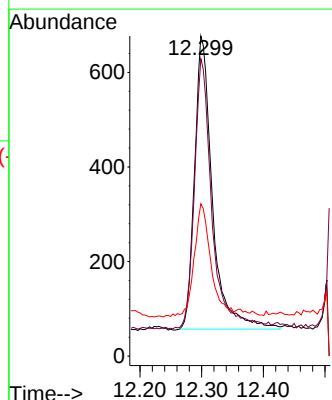
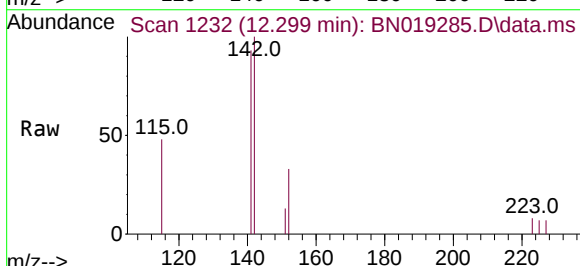
Tgt Ion:142 Resp: 1250

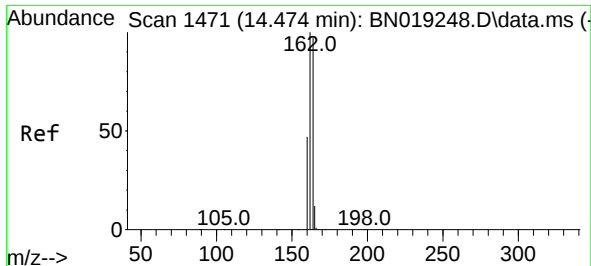
Ion Ratio Lower Upper

142 100

141 92.9 70.0 105.0

115 47.6 29.8 44.8#

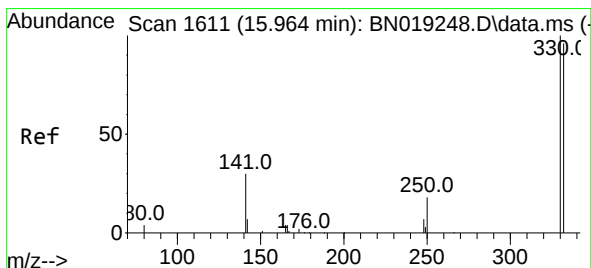
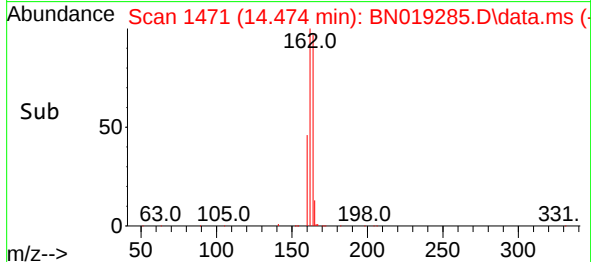
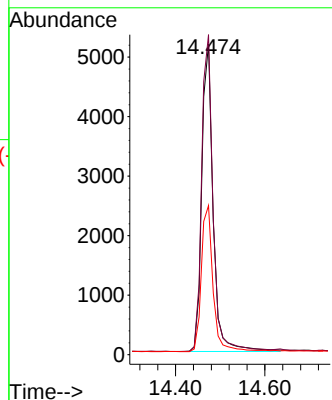
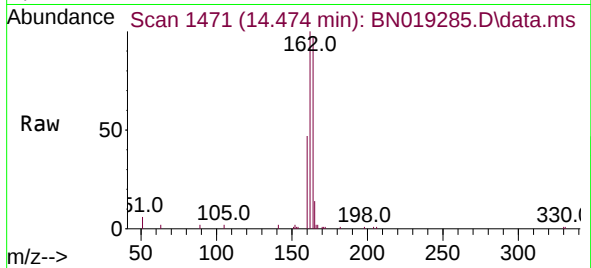




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.474 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

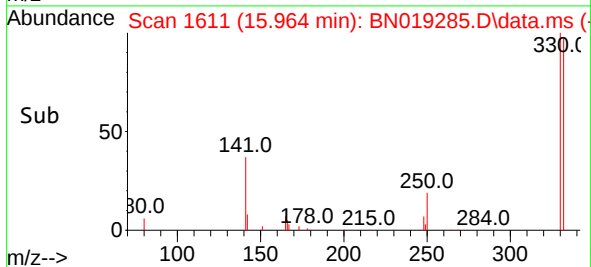
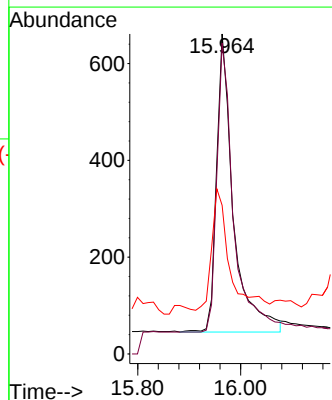
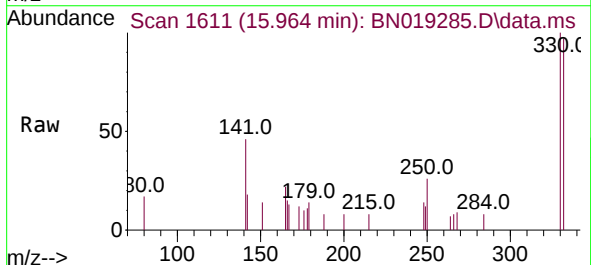
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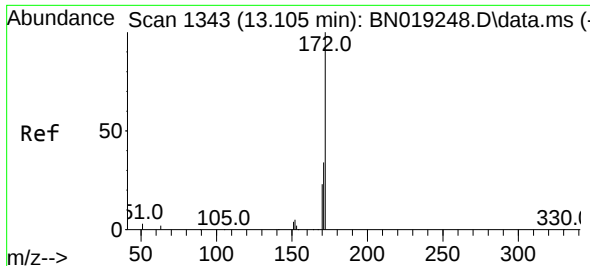
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Ion Ratio Lower Upper  
164 100  
162 103.0 85.2 127.8  
160 48.0 41.5 62.3



#14  
2,4,6-Tribromophenol  
Concen: 0.328 ng  
RT: 15.964 min Scan# 1611  
Delta R.T. -0.000 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

Tgt Ion:330 Resp: 1401  
Ion Ratio Lower Upper  
330 100  
332 96.6 76.8 115.2  
141 42.7 32.2 48.2

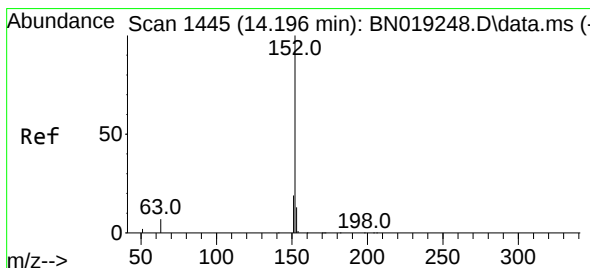
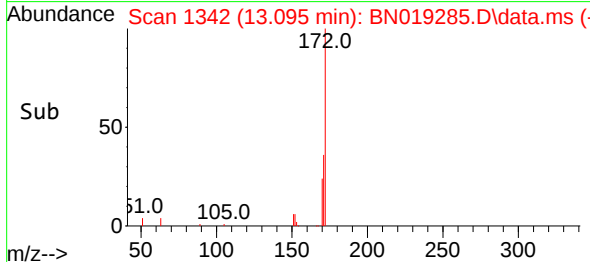
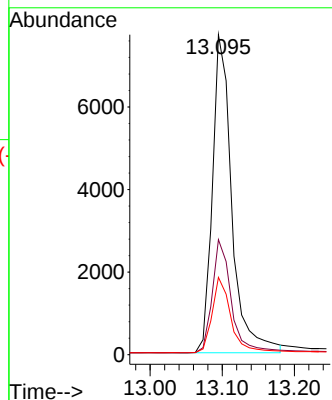
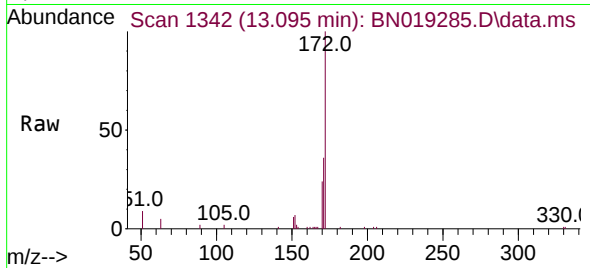




#15  
2-Fluorobiphenyl  
Concen: 0.393 ng  
RT: 13.095 min Scan# 11  
Delta R.T. -0.011 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

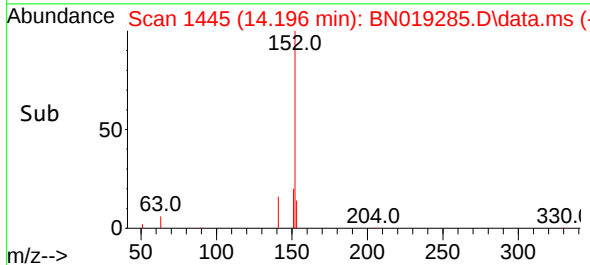
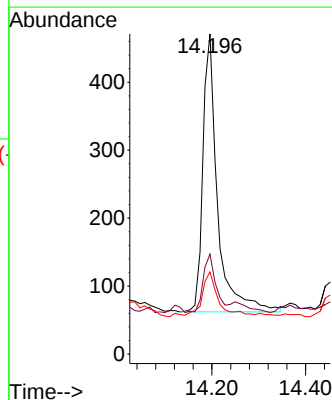
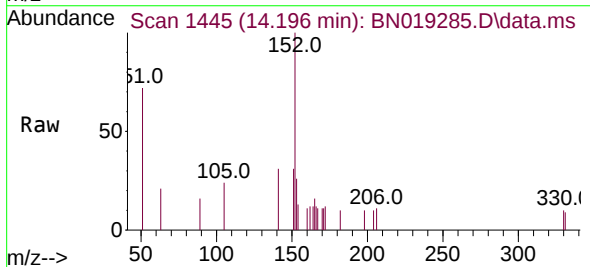
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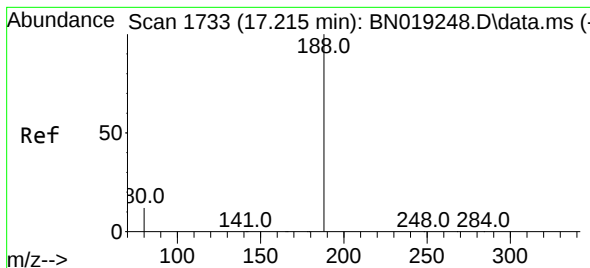
Tgt Ion:172 Resp: 14419  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.2 42.2  
170 24.2 18.7 28.1



#16  
Acenaphthylene  
Concen: 0.021 ng  
RT: 14.196 min Scan# 1445  
Delta R.T. -0.000 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

Tgt Ion:152 Resp: 888  
Ion Ratio Lower Upper  
152 100  
151 19.0 15.9 23.9  
153 18.6 10.6 15.8#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.215 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN019285.D

Acq: 01 Apr 2022 13:43

Instrument :

BNA\_N

ClientSampleId :

A03015

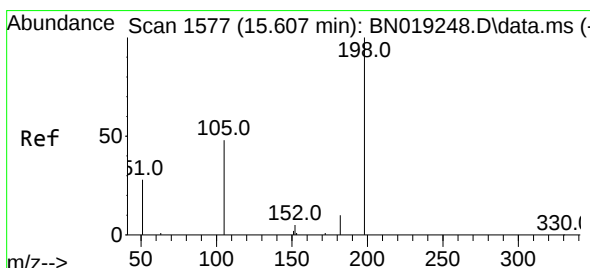
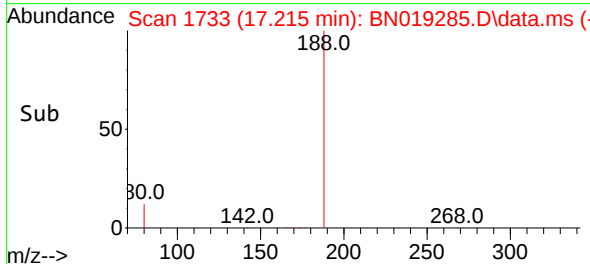
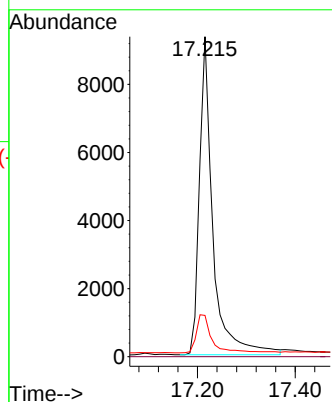
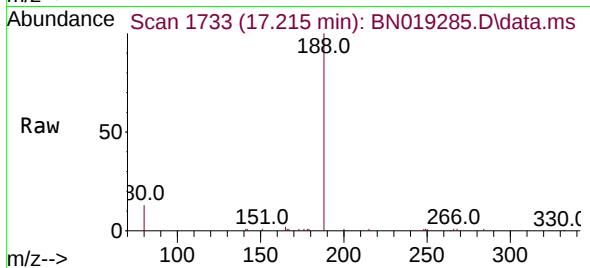
Tgt Ion:188 Resp: 17851

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.9 11.8 17.8



#20

4,6-Dinitro-2-methylphenol

Concen: 0.093 ng

RT: 15.650 min Scan# 1581

Delta R.T. 0.043 min

Lab File: BN019285.D

Acq: 01 Apr 2022 13:43

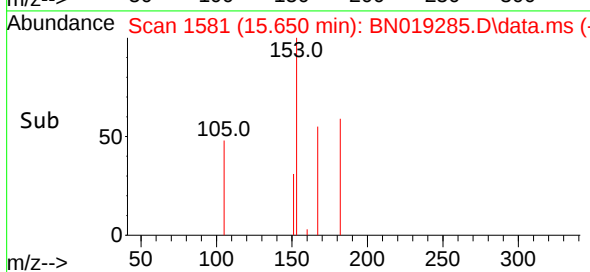
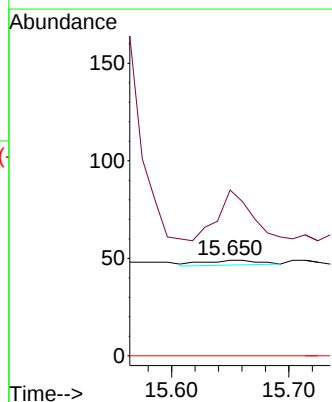
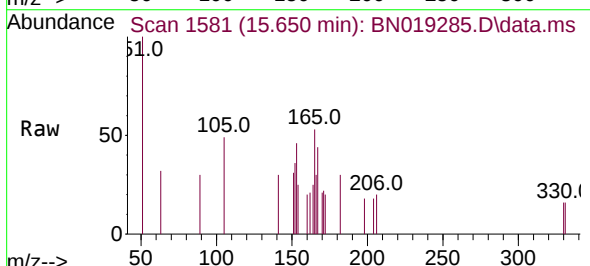
Tgt Ion:198 Resp: 8

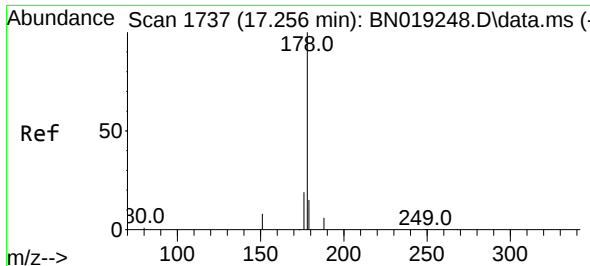
Ion Ratio Lower Upper

198 100

182 173.5 13.0 19.4#

77 0.0 0.0 0.0

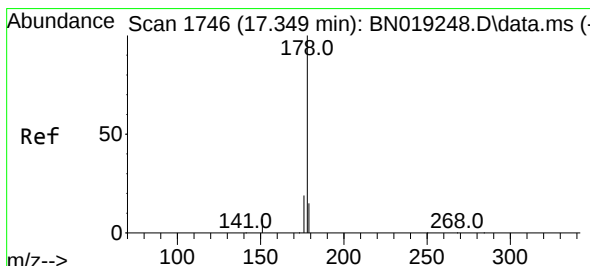
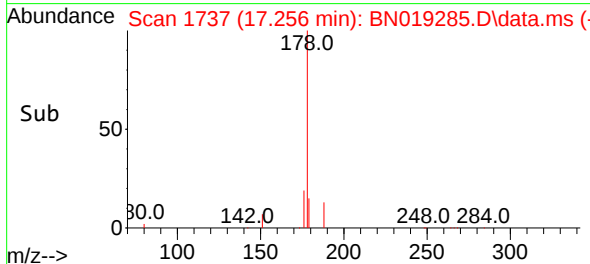
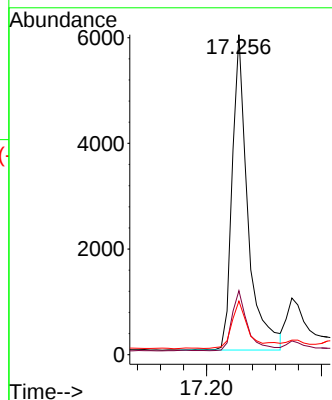
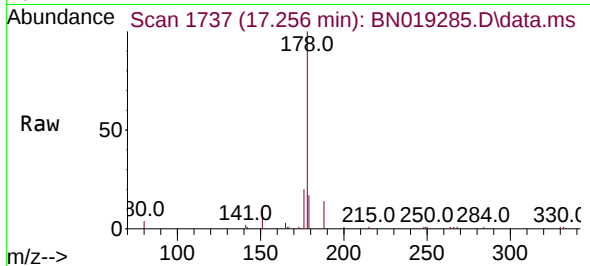




#25  
Phenanthrene  
Concen: 0.200 ng  
RT: 17.256 min Scan# 1737  
Delta R.T. -0.000 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

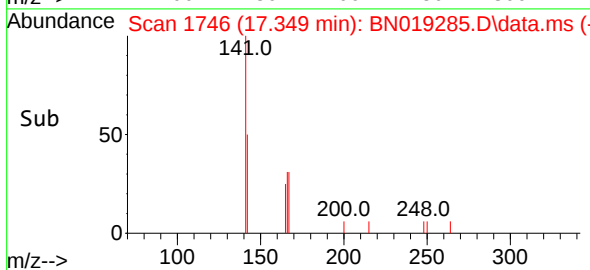
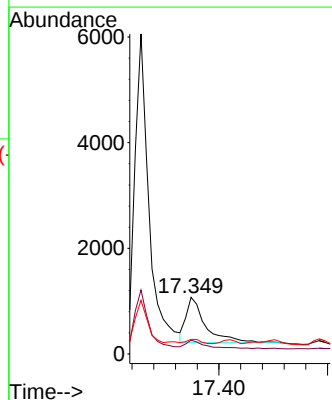
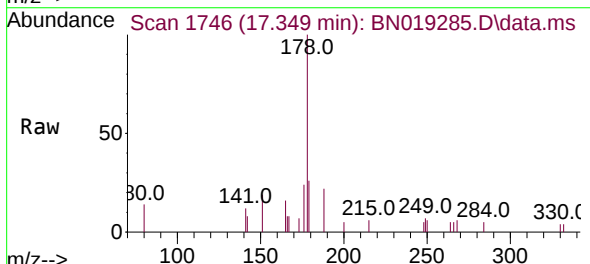
Instrument :  
BNA\_N  
ClientSampleId :  
A03015

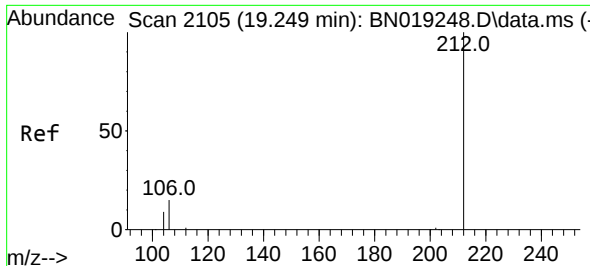
Tgt Ion:178 Resp: 11223  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.4 23.0  
179 15.4 12.2 18.2



#26  
Anthracene  
Concen: 0.046 ng  
RT: 17.349 min Scan# 1746  
Delta R.T. -0.000 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

Tgt Ion:178 Resp: 2135  
Ion Ratio Lower Upper  
178 100  
176 17.7 14.8 22.2  
179 6.3 12.2 18.4#

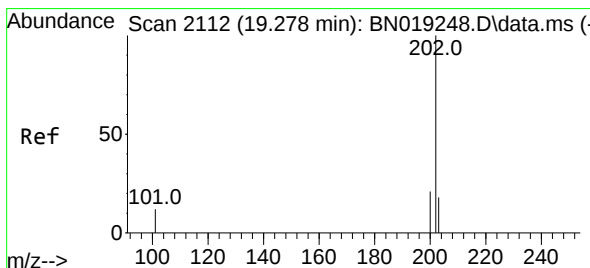
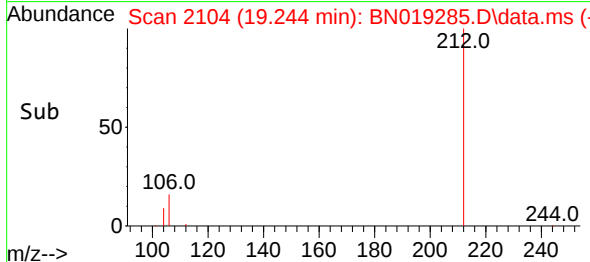
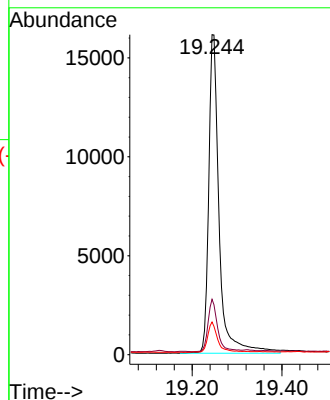
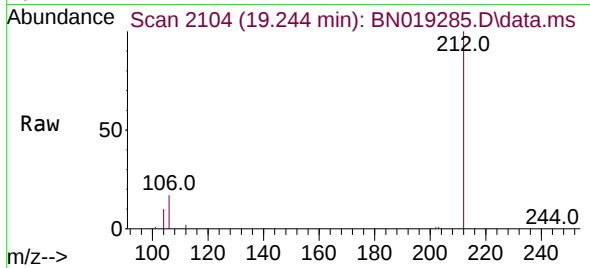




#27  
Fluoranthene-d10  
Concen: 0.483 ng  
RT: 19.244 min Scan# 2104  
Delta R.T. -0.004 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

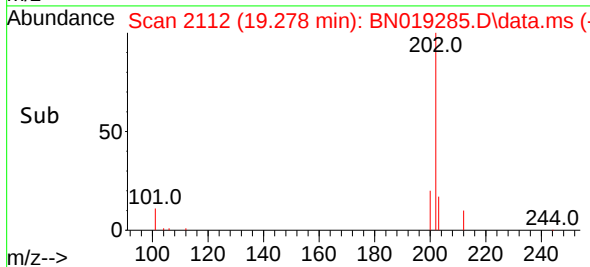
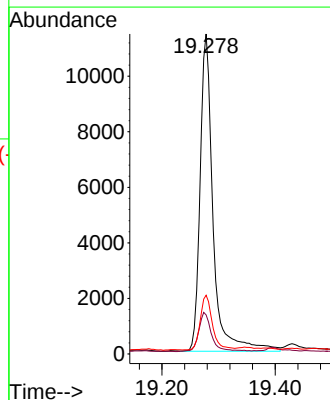
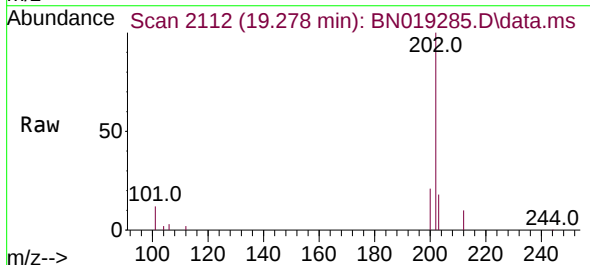
Instrument :  
BNA\_N  
ClientSampleId :  
A03015

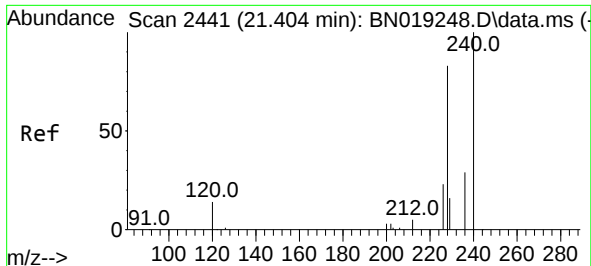
Tgt Ion:212 Resp: 25895  
Ion Ratio Lower Upper  
212 100  
106 15.1 12.7 19.1  
104 8.8 7.1 10.7



#28  
Fluoranthene  
Concen: 0.272 ng  
RT: 19.278 min Scan# 2112  
Delta R.T. -0.000 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

Tgt Ion:202 Resp: 18230  
Ion Ratio Lower Upper  
202 100  
101 12.4 9.8 14.6  
203 16.2 13.7 20.5

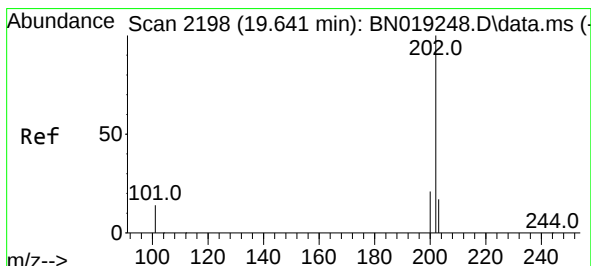
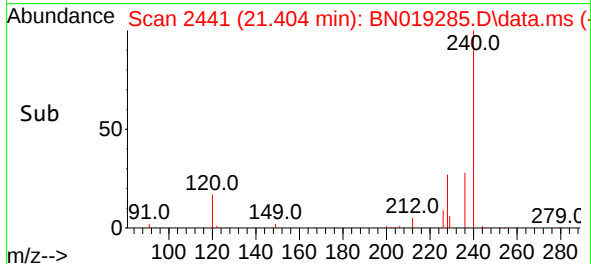
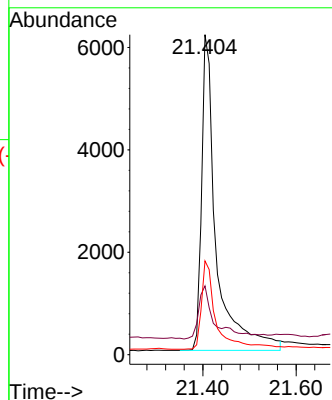
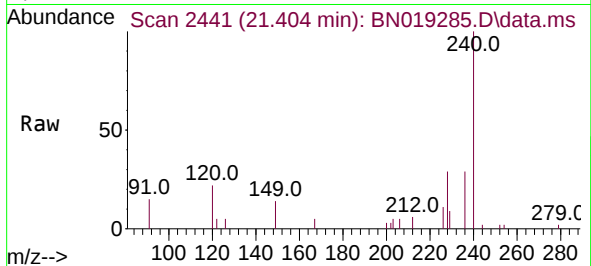




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.404 min Scan# 2441  
Delta R.T. -0.000 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

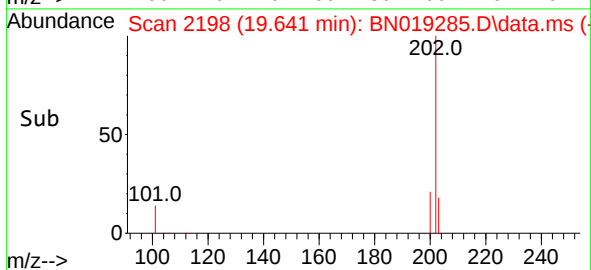
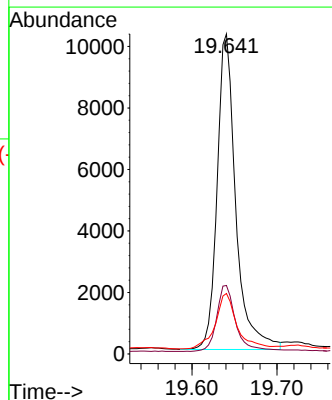
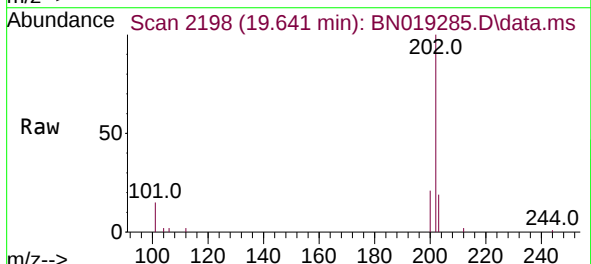
Instrument :  
BNA\_N  
ClientSampleId :  
A03015

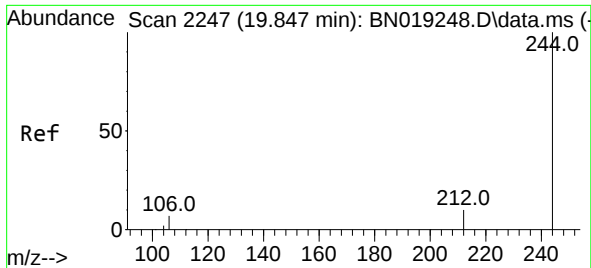
Tgt Ion:240 Resp: 13514  
Ion Ratio Lower Upper  
240 100  
120 21.5 8.5 12.7#  
236 29.3 22.4 33.6



#30  
Pyrene  
Concen: 0.234 ng  
RT: 19.641 min Scan# 2198  
Delta R.T. -0.000 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

Tgt Ion:202 Resp: 15651  
Ion Ratio Lower Upper  
202 100  
200 22.2 16.9 25.3  
203 20.4 14.2 21.2

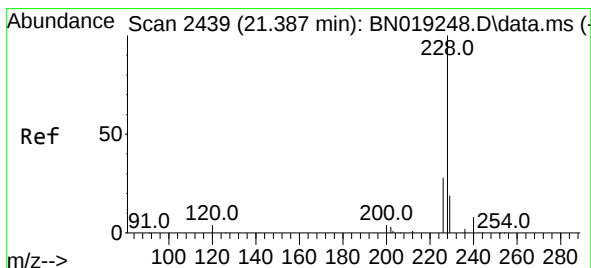
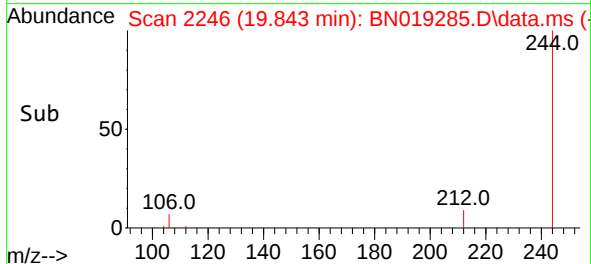
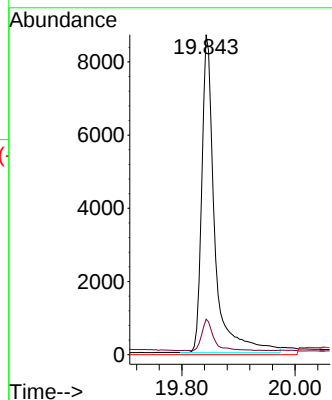
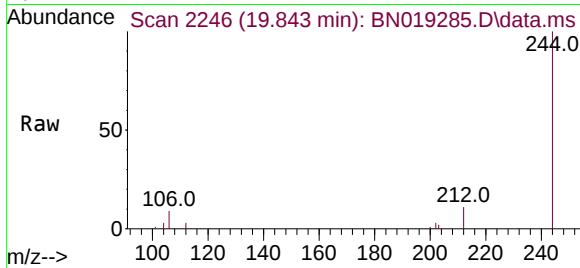




#31  
Terphenyl-d14  
Concen: 0.460 ng  
RT: 19.843 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

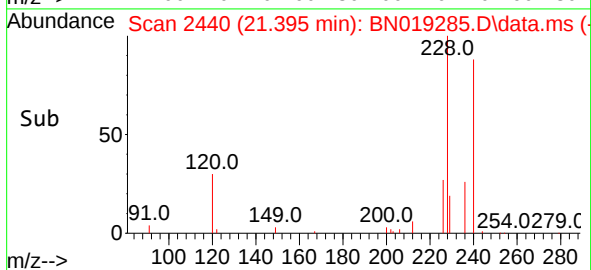
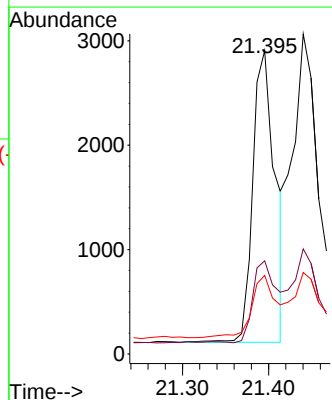
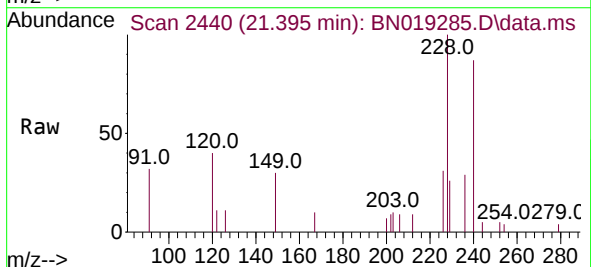
Instrument :  
BNA\_N  
ClientSampleId :  
A03015

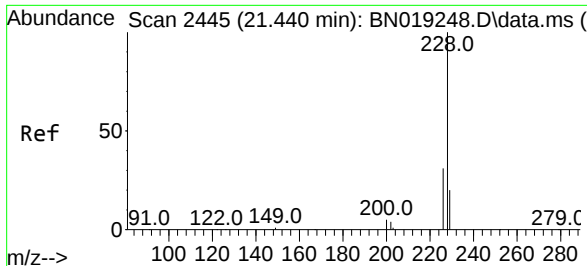
Tgt Ion:244 Resp: 13823  
Ion Ratio Lower Upper  
244 100  
212 11.1 8.2 12.4  
122 0.0 0.0 0.0



#32  
Benzo(a)anthracene  
Concen: 0.119 ng  
RT: 21.395 min Scan# 2440  
Delta R.T. 0.009 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

Tgt Ion:228 Resp: 5035  
Ion Ratio Lower Upper  
228 100  
226 30.7 21.9 32.9  
229 25.9 16.0 24.0#

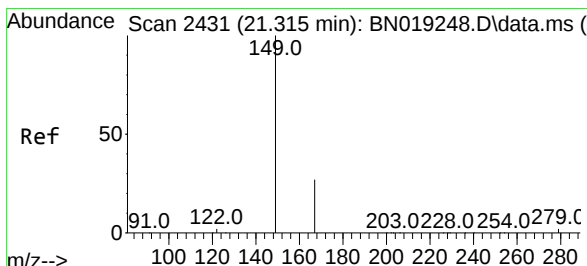
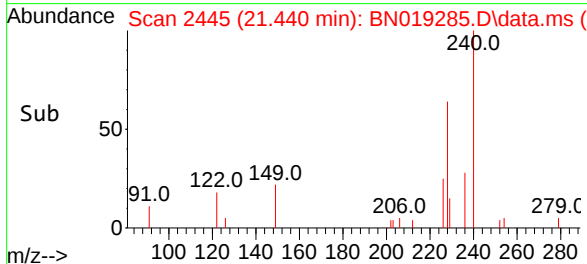
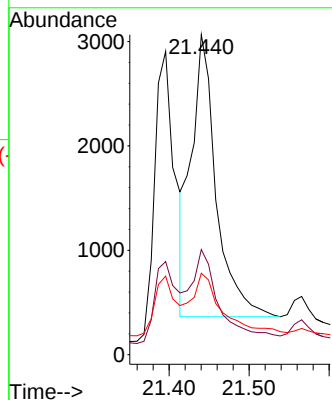
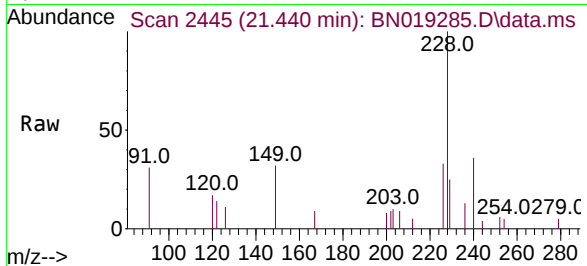




#33  
Chrysene  
Concen: 0.108 ng  
RT: 21.440 min Scan# 2445  
Delta R.T. -0.000 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

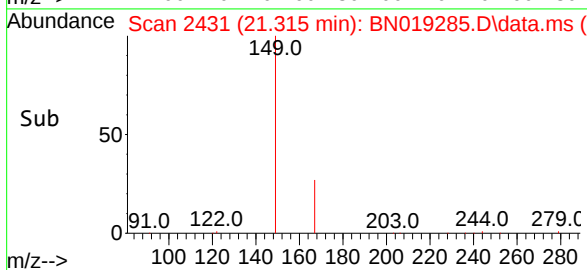
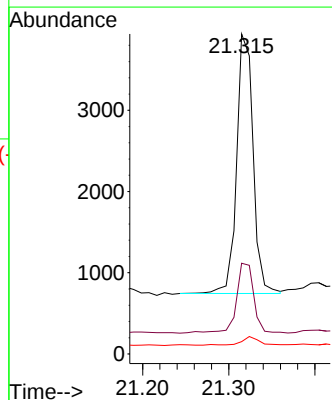
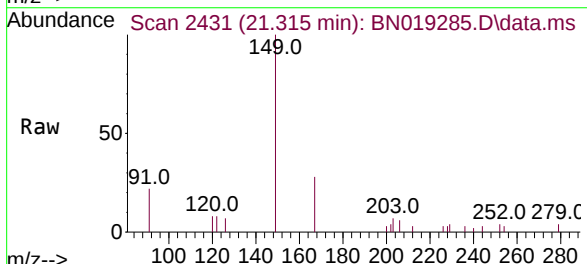
Instrument :  
BNA\_N  
ClientSampleId :  
A03015

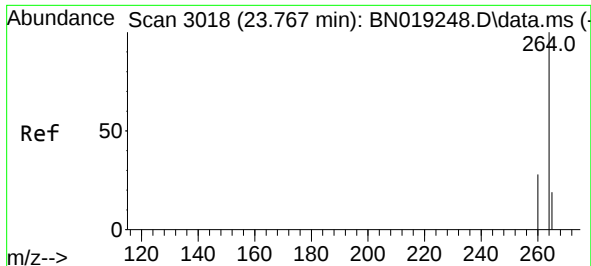
Tgt Ion:228 Resp: 5858  
Ion Ratio Lower Upper  
228 100  
226 32.8 24.0 36.0  
229 25.4 15.9 23.9#



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.150 ng  
RT: 21.315 min Scan# 2431  
Delta R.T. -0.000 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

Tgt Ion:149 Resp: 4251  
Ion Ratio Lower Upper  
149 100  
167 28.4 21.8 32.8  
279 3.5 2.0 3.0#

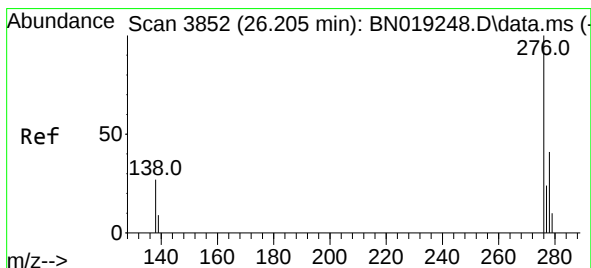
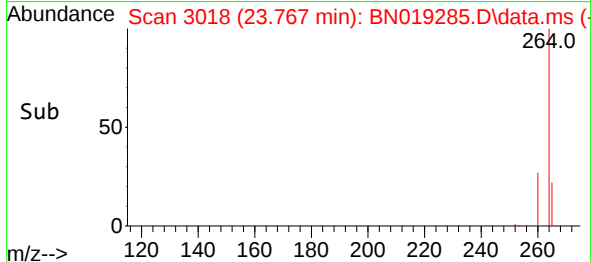
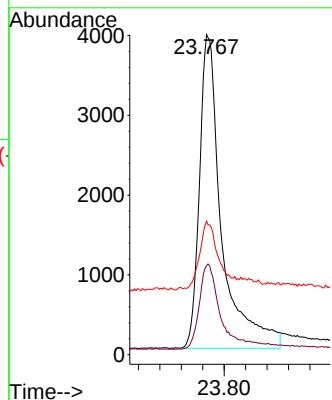
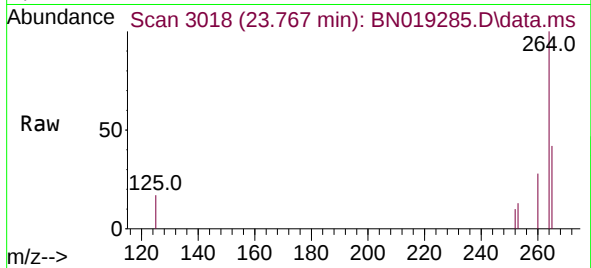




#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.767 min Scan# 3018  
Delta R.T. -0.000 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

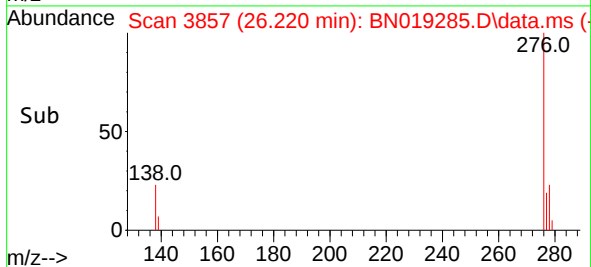
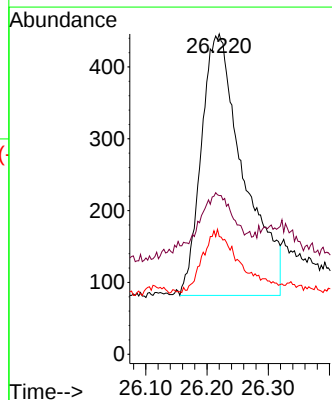
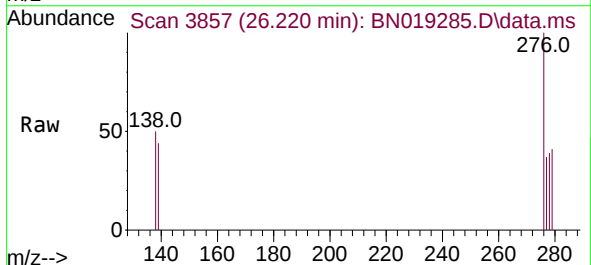
Instrument :  
BNA\_N  
ClientSampleId :  
A03015

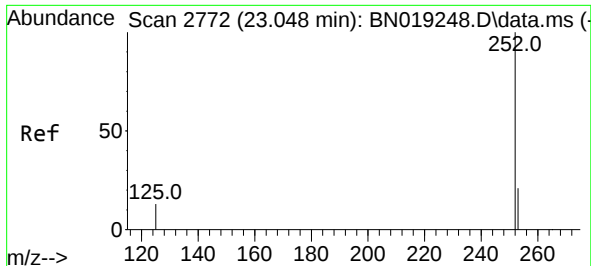
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:264 | Resp: | 11321      |
| Ion Ratio   | Lower | Upper      |
| 264         | 100   |            |
| 260         | 27.8  | 22.4 33.6  |
| 265         | 41.7  | 25.3 37.9# |



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.037 ng  
RT: 26.220 min Scan# 3857  
Delta R.T. 0.015 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

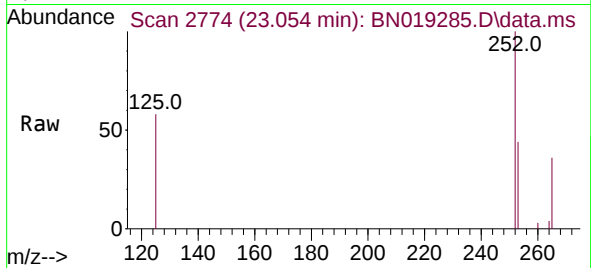
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:276 | Resp: | 1734       |
| Ion Ratio   | Lower | Upper      |
| 276         | 100   |            |
| 138         | 15.9  | 24.5 36.7# |
| 277         | 7.6   | 19.8 29.8# |



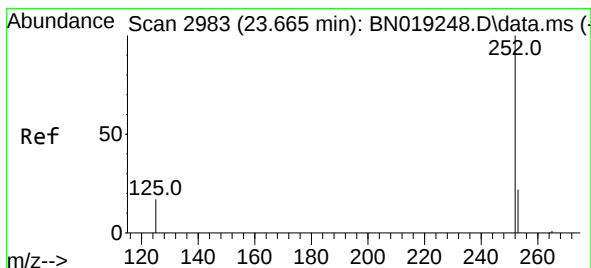
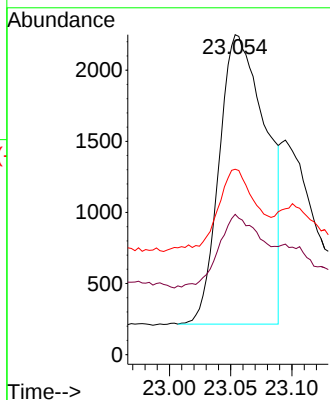


#37  
Benzo(b)fluoranthene  
Concen: 0.129 ng  
RT: 23.054 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

Instrument :  
BNA\_N  
ClientSampleId :  
A03015

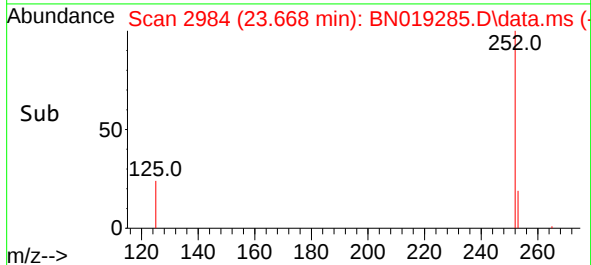
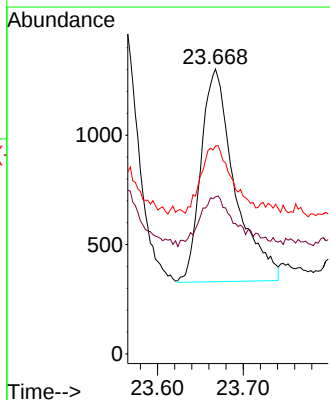
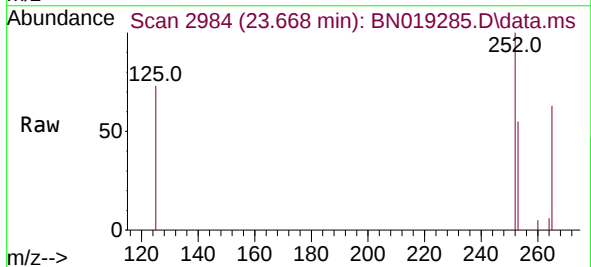


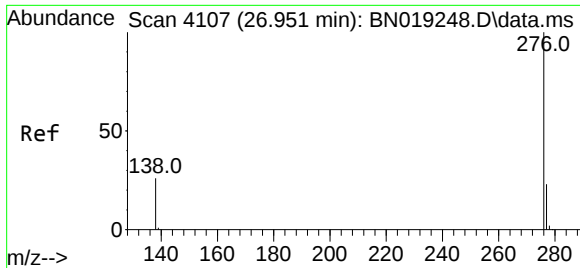
Tgt Ion:252 Resp: 5404  
Ion Ratio Lower Upper  
252 100  
253 43.8 18.9 28.3#  
125 58.0 12.1 18.1#



#39  
Benzo(a)pyrene  
Concen: 0.070 ng  
RT: 23.668 min Scan# 2984  
Delta R.T. 0.003 min  
Lab File: BN019285.D  
Acq: 01 Apr 2022 13:43

Tgt Ion:252 Resp: 2664  
Ion Ratio Lower Upper  
252 100  
253 55.1 20.1 30.1#  
125 73.0 15.2 22.8#





#41

Benzo(g,h,i)perylene

Concen: 0.045 ng

RT: 26.957 min Scan# 41

Delta R.T. 0.006 min

Lab File: BN019285.D

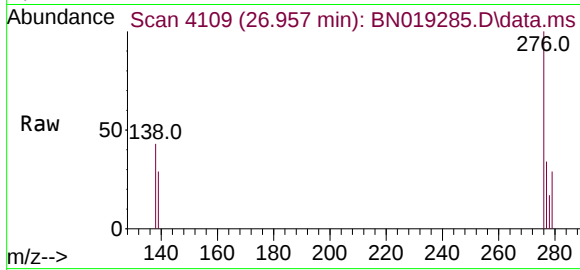
Acq: 01 Apr 2022 13:43

Instrument :

BNA\_N

ClientSampleId :

A03015



Tgt Ion: 276 Resp: 2109

Ion Ratio Lower Upper

276 100

277 33.8 19.4 29.0#

138 43.3 21.0 31.6#

