

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN050224\  
 Data File : BN031376.D  
 Acq On : 02 May 2024 18:01  
 Operator : MA/JU  
 Sample : P2276-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: May 02 18:34:12 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN041524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 02 15:02:22 2024  
 Response via : Initial Calibration

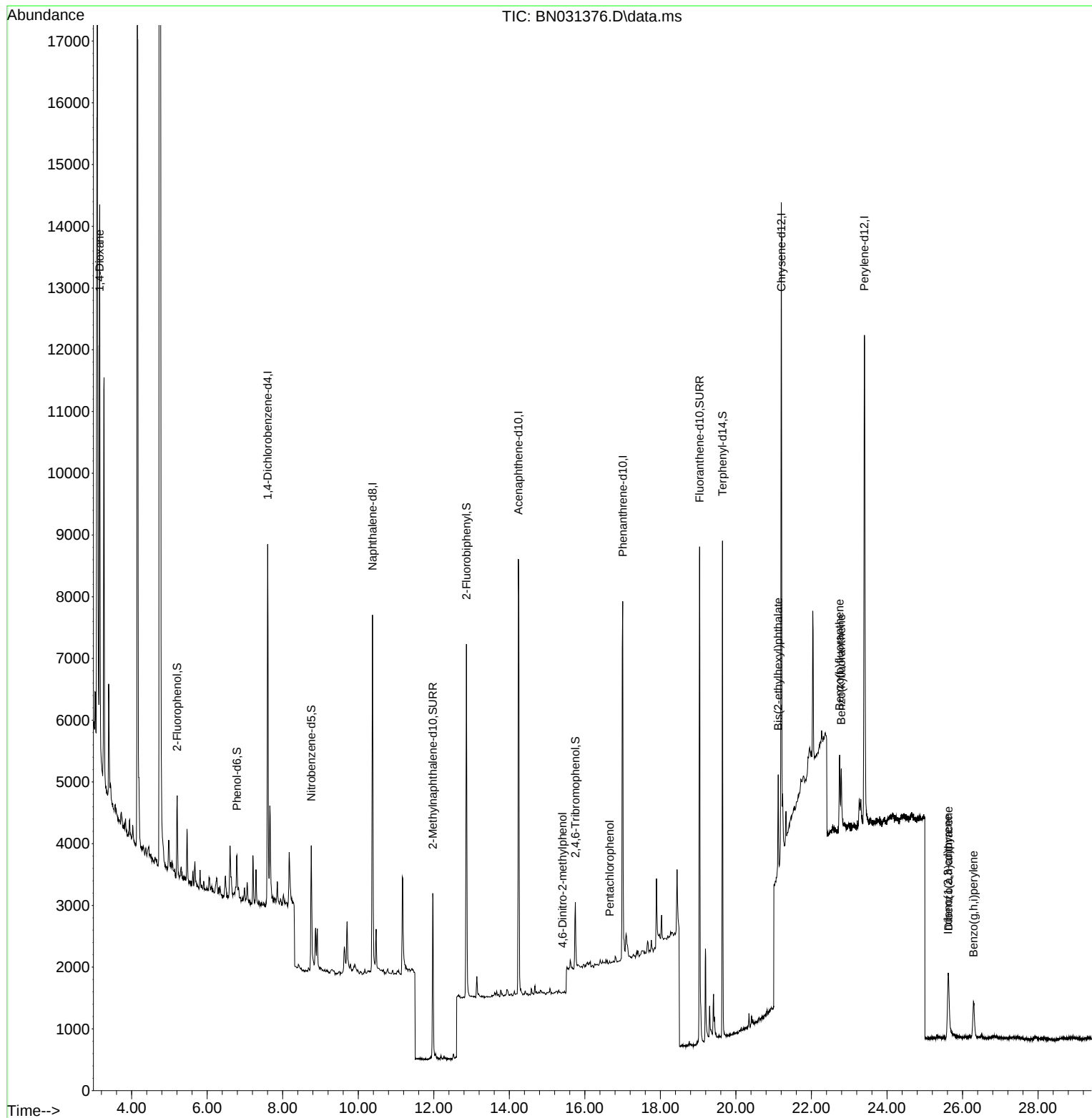
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.603  | 152  | 2883     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.378 | 136  | 7976     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.242 | 164  | 4386     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.004 | 188  | 9133     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.202 | 240  | 9450     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.402 | 264  | 10757    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.205  | 112  | 1061     | 0.165 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.787  | 99   | 645      | 0.083 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.755  | 82   | 1823     | 0.330 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.975 | 152  | 3791     | 0.309 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.750 | 330  | 661      | 0.388 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.863 | 172  | 5040     | 0.342 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.040 | 212  | 9461     | 0.385 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.644 | 244  | 7971     | 0.363 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.154  | 88   | 5578     | 1.574 | ng    | # 88     |
| 20) 4,6-Dinitro-2-methylph... | 15.407 | 198  | 16       | 0.113 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.656 | 266  | 25       | 0.137 | ng    | # 26     |
| 34) Bis(2-ethylhexyl)phtha... | 21.121 | 149  | 1637     | 0.109 | ng    | # 98     |
| 36) Indeno(1,2,3-cd)pyrene    | 25.615 | 276  | 1434     | 0.029 | ng    | # 93     |
| 37) Benzo(b)fluoranthene      | 22.747 | 252  | 1503     | 0.034 | ng    | # 11     |
| 38) Benzo(k)fluoranthene      | 22.788 | 252  | 1212     | 0.028 | ng    | # 3      |
| 40) Dibenzo(a,h)anthracene    | 25.630 | 278  | 1116     | 0.028 | ng    | # 2      |
| 41) Benzo(g,h,i)perylene      | 26.291 | 276  | 1275     | 0.029 | ng    | # 54     |
| -----                         |        |      |          |       |       |          |

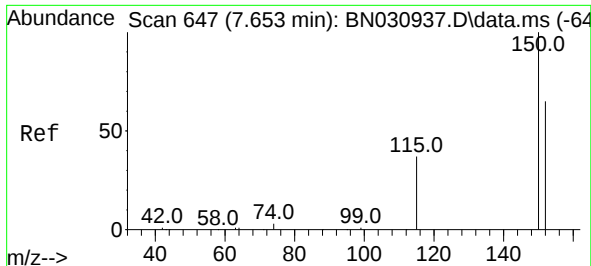
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN050224\  
Data File : BN031376.D  
Acq On : 02 May 2024 18:01  
Operator : MA/JU  
Sample : P2276-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

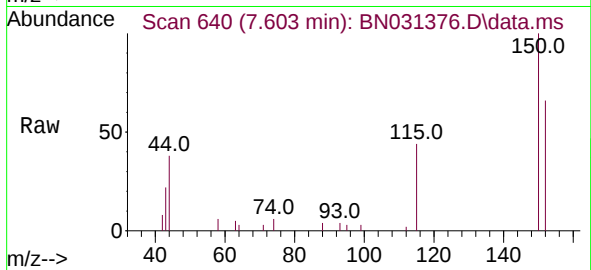
Quant Time: May 02 18:34:12 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN041524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 02 15:02:22 2024  
Response via : Initial Calibration





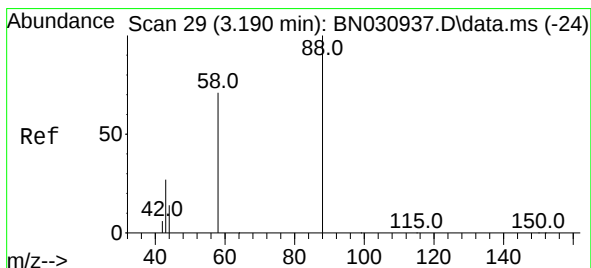
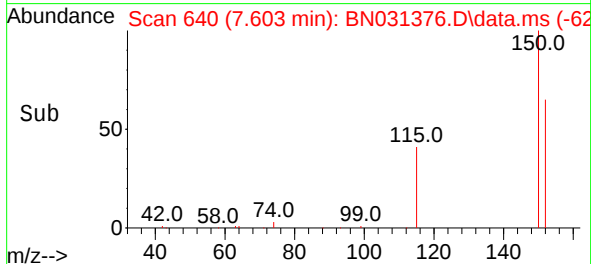
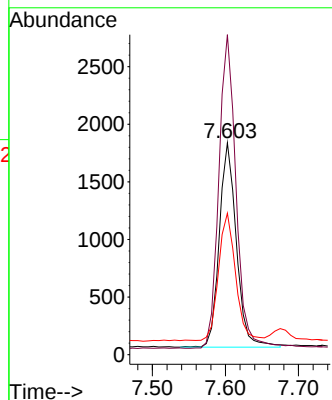
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.603 min Scan# 64  
 Delta R.T. -0.000 min  
 Lab File: BN031376.D  
 Acq: 02 May 2024 18:01

Instrument :  
 BNA\_N  
 ClientSampleId :



Tgt Ion:152 Resp: 2883

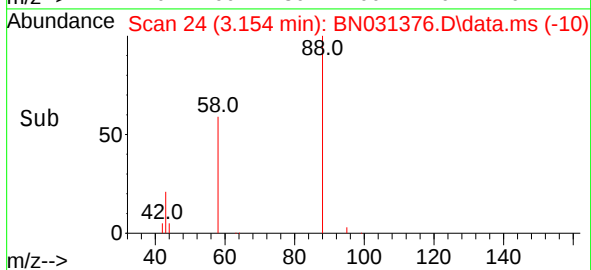
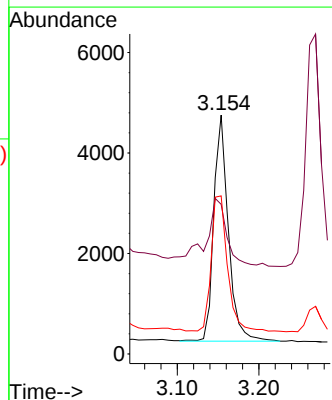
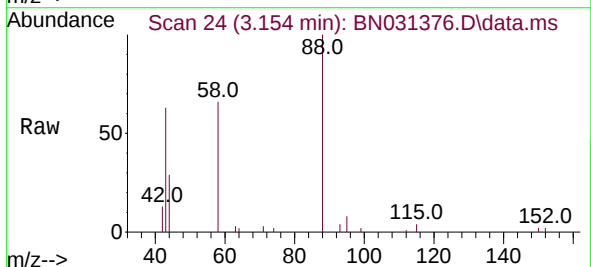
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 151.1 | 121.7 | 182.5 |
| 115 | 66.8  | 47.8  | 71.8  |

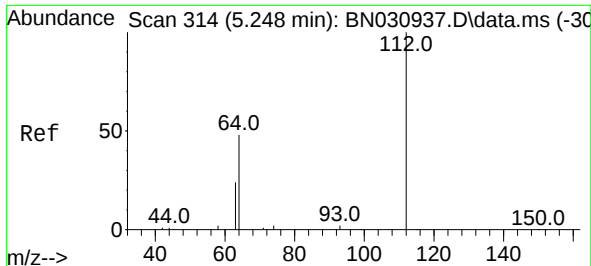


#2  
 1,4-Dioxane  
 Concen: 1.574 ng  
 RT: 3.154 min Scan# 24  
 Delta R.T. 0.000 min  
 Lab File: BN031376.D  
 Acq: 02 May 2024 18:01

Tgt Ion: 88 Resp: 5578

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 46.0  | 23.7  | 35.5# |
| 58  | 66.6  | 55.7  | 83.5  |

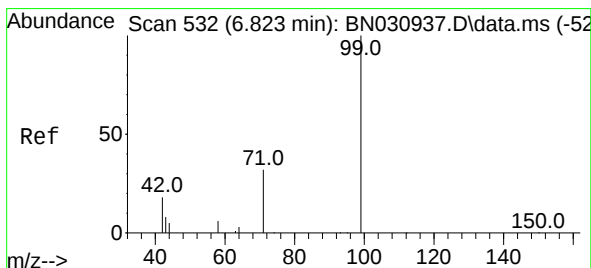
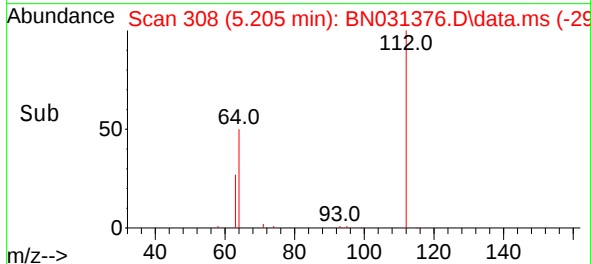
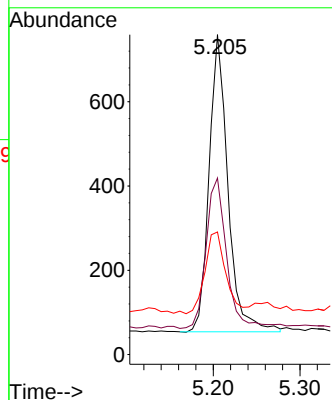
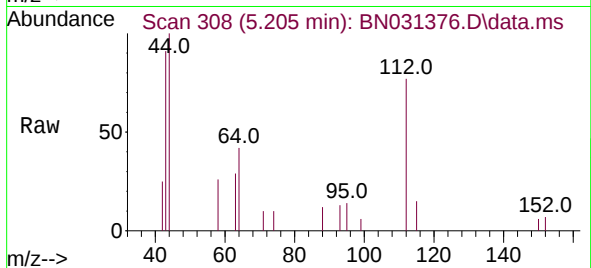




#4  
2-Fluorophenol  
Concen: 0.165 ng  
RT: 5.205 min Scan# 308  
Delta R.T. -0.000 min  
Lab File: BN031376.D  
Acq: 02 May 2024 18:01

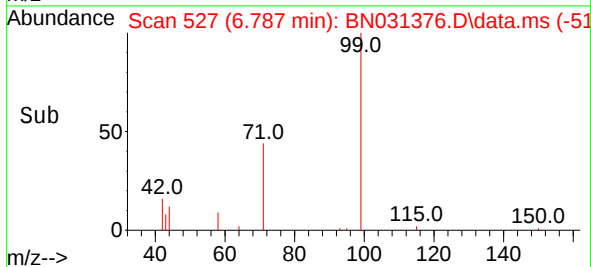
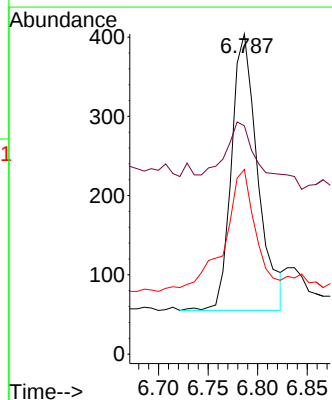
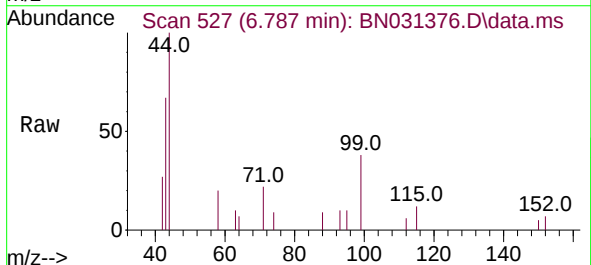
Instrument :  
BNA\_N  
ClientSampleId :

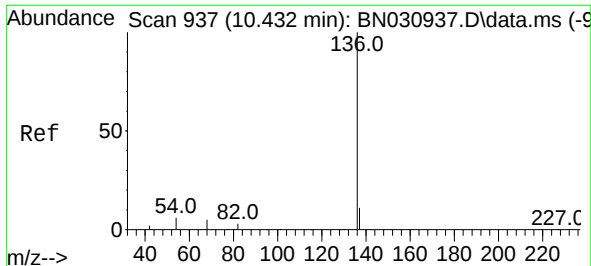
Tgt Ion:112 Resp: 1061  
Ion Ratio Lower Upper  
112 100  
64 55.3 43.4 65.2  
63 30.0 22.2 33.2



#5  
Phenol-d6  
Concen: 0.083 ng  
RT: 6.787 min Scan# 527  
Delta R.T. 0.007 min  
Lab File: BN031376.D  
Acq: 02 May 2024 18:01

Tgt Ion: 99 Resp: 645  
Ion Ratio Lower Upper  
99 100  
42 33.2 16.4 24.6#  
71 53.0 26.3 39.5#

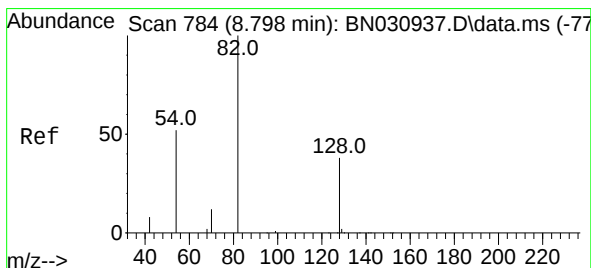
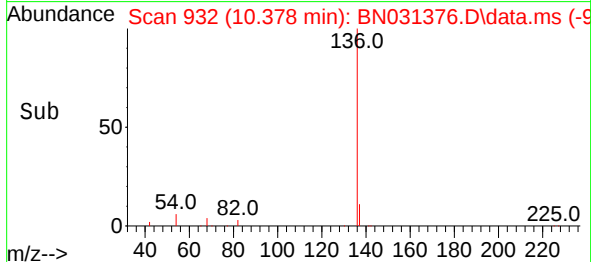
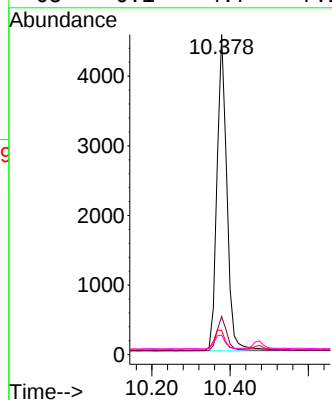
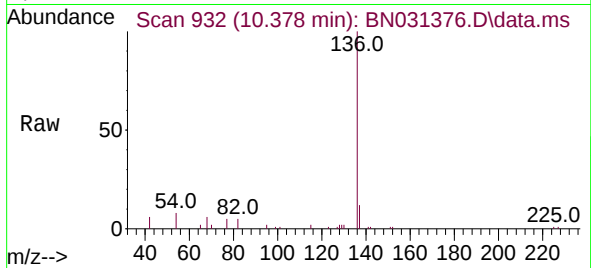




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.378 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN031376.D  
Acq: 02 May 2024 18:01

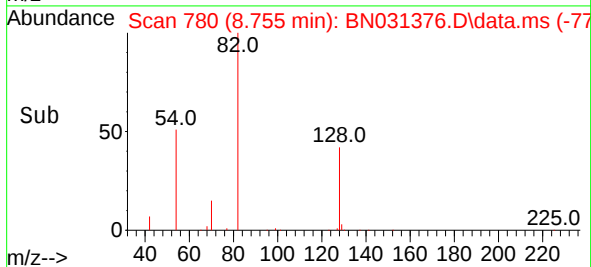
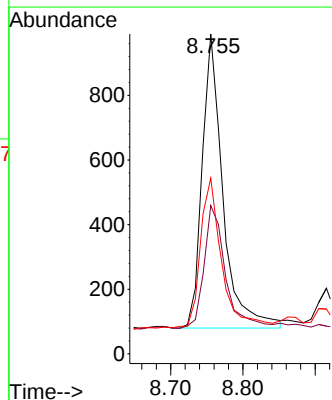
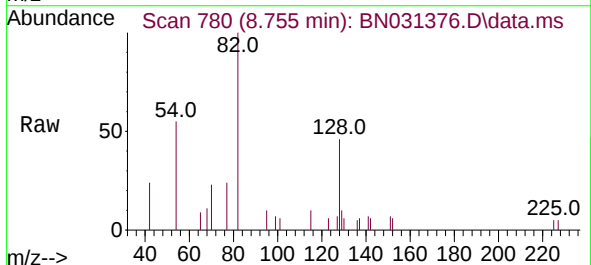
Instrument :  
BNA\_N  
ClientSampleId :

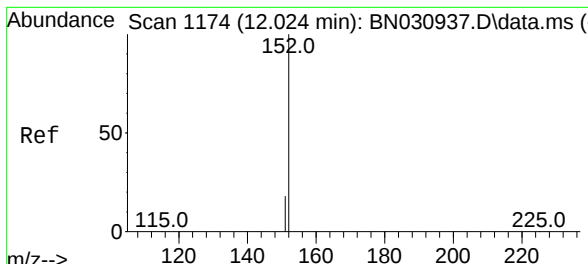
Tgt Ion:136 Resp: 7976  
Ion Ratio Lower Upper  
136 100  
137 11.9 9.4 14.0  
54 7.6 5.3 7.9  
68 6.1 4.7 7.1



#8  
Nitrobenzene-d5  
Concen: 0.330 ng  
RT: 8.755 min Scan# 780  
Delta R.T. 0.000 min  
Lab File: BN031376.D  
Acq: 02 May 2024 18:01

Tgt Ion: 82 Resp: 1823  
Ion Ratio Lower Upper  
82 100  
128 46.4 33.7 50.5  
54 54.9 43.7 65.5



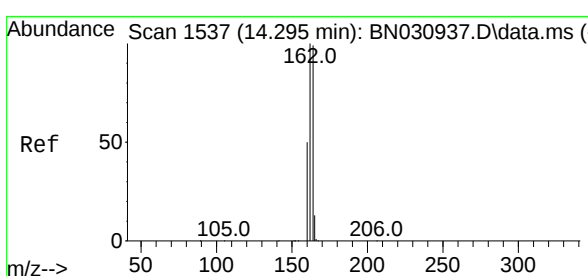
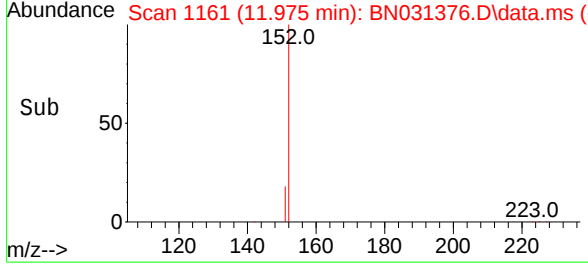
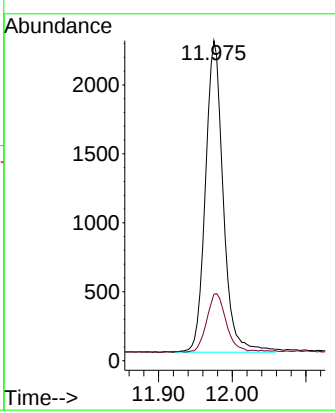
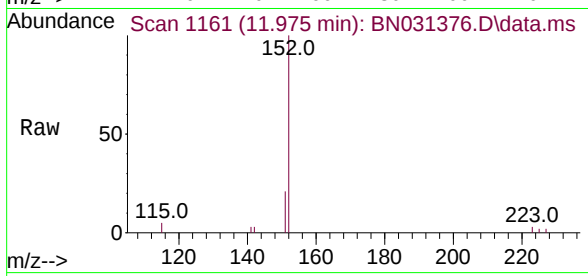


#11  
 2-Methylnaphthalene-d10  
 Concen: 0.309 ng  
 RT: 11.975 min Scan# 1174  
 Delta R.T. -0.000 min  
 Lab File: BN031376.D  
 Acq: 02 May 2024 18:01

Instrument :  
 BNA\_N  
 ClientSampleId :

Tgt Ion:152 Resp: 3791

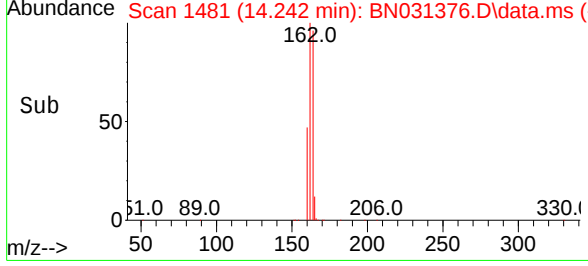
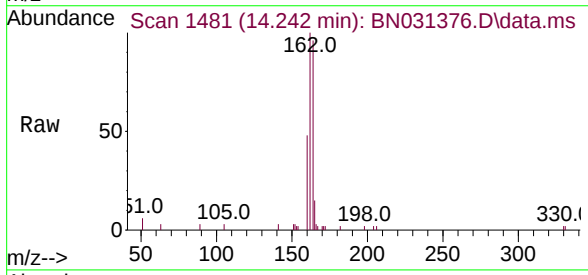
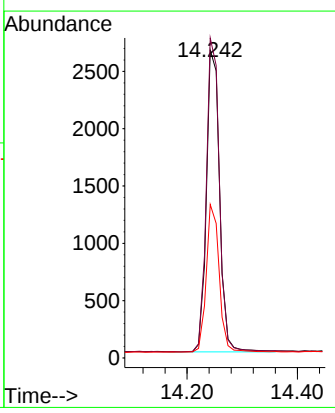
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.4  | 16.7  | 25.1  |

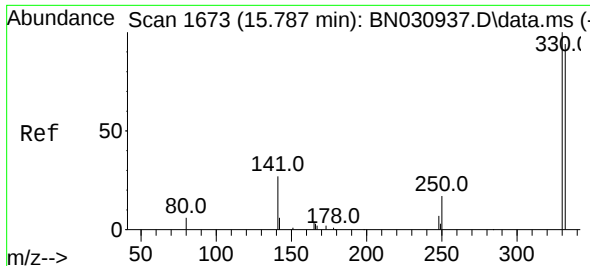


#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.242 min Scan# 1481  
 Delta R.T. 0.000 min  
 Lab File: BN031376.D  
 Acq: 02 May 2024 18:01

Tgt Ion:164 Resp: 4386

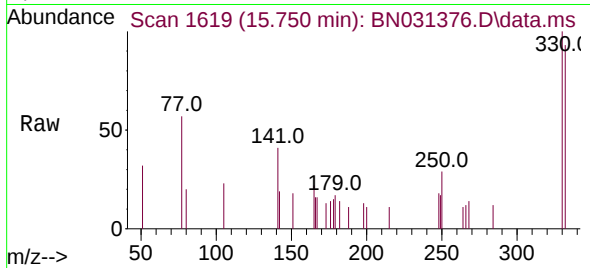
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.9 | 80.6  | 121.0 |
| 160 | 49.8  | 40.7  | 61.1  |



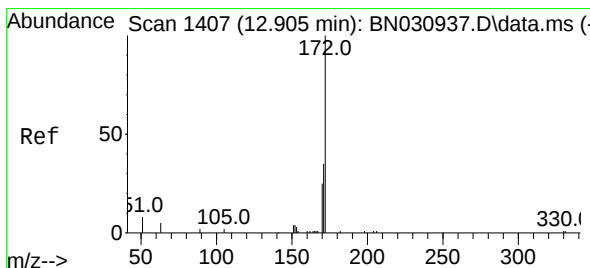
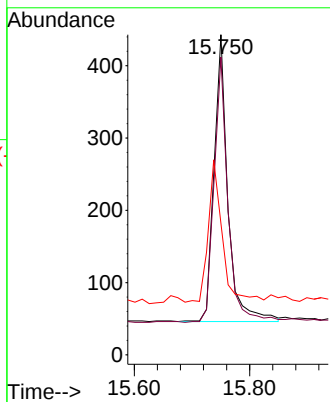
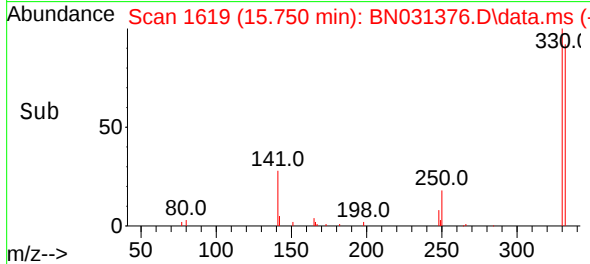


#14  
2,4,6-Tribromophenol  
Concen: 0.388 ng  
RT: 15.750 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: BN031376.D  
Acq: 02 May 2024 18:01

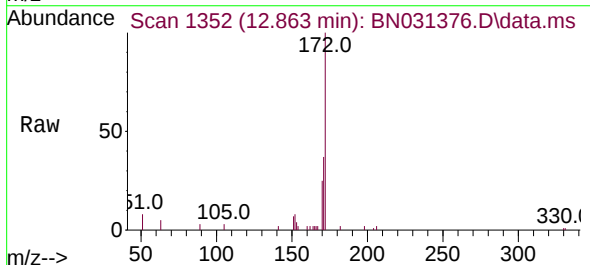
Instrument :  
BNA\_N  
ClientSampleId :



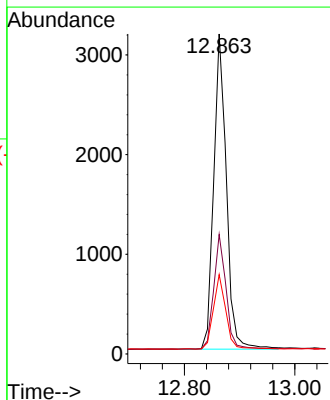
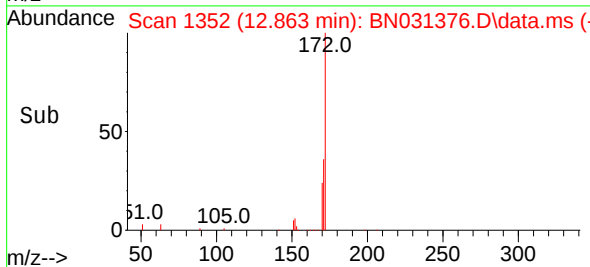
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Ion Ratio Lower Upper  
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332 92.9 74.2 111.2  
141 49.6 37.2 55.8

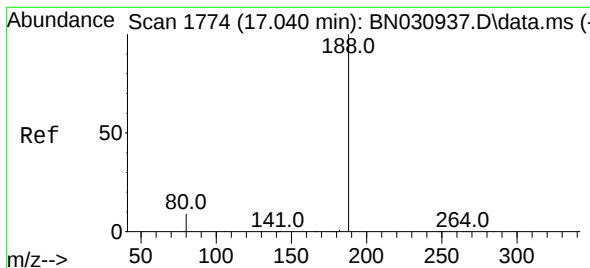


#15  
2-Fluorobiphenyl  
Concen: 0.342 ng  
RT: 12.863 min Scan# 1352  
Delta R.T. -0.000 min  
Lab File: BN031376.D  
Acq: 02 May 2024 18:01



Tgt Ion:172 Resp: 5040  
Ion Ratio Lower Upper  
172 100  
171 37.4 28.3 42.5  
170 24.8 19.8 29.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.004 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN031376.D

Acq: 02 May 2024 18:01

Instrument :

BNA\_N

ClientSampleId :

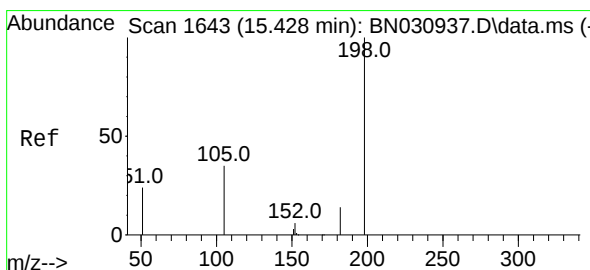
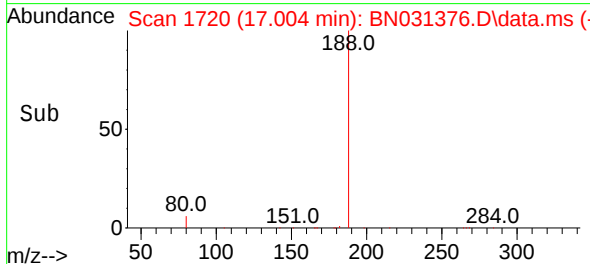
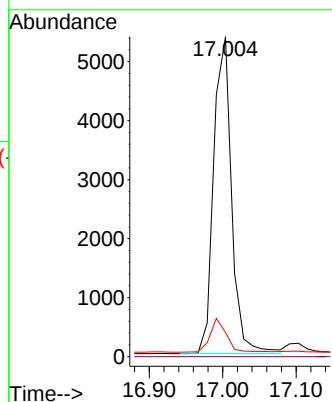
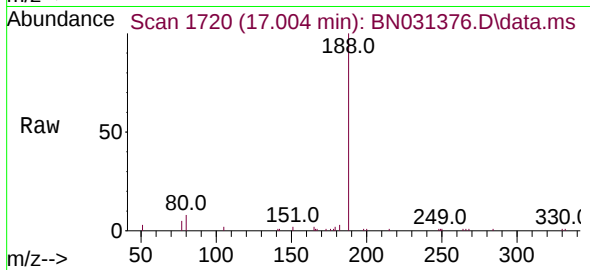
Tgt Ion:188 Resp: 9133

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.6 7.4 11.2



#20

4,6-Dinitro-2-methylphenol

Concen: 0.113 ng

RT: 15.407 min Scan# 1590

Delta R.T. 0.011 min

Lab File: BN031376.D

Acq: 02 May 2024 18:01

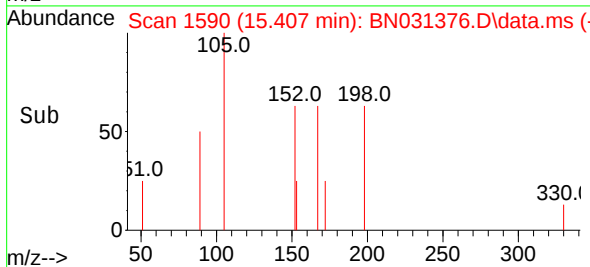
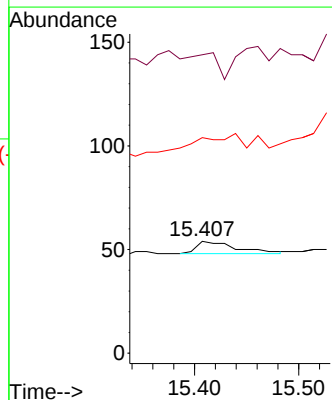
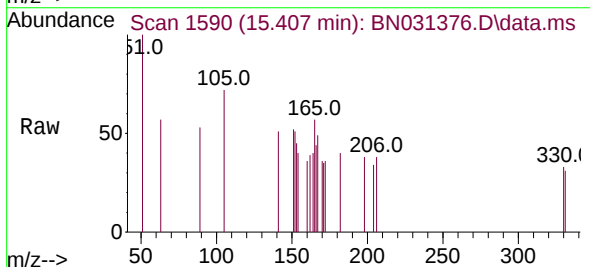
Tgt Ion:198 Resp: 16

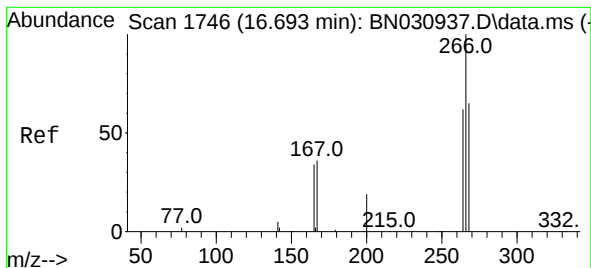
Ion Ratio Lower Upper

198 100

51 266.7 65.2 97.8#

105 192.6 41.0 61.4#





#24

Pentachlorophenol

Concen: 0.137 ng

RT: 16.656 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN031376.D

Acq: 02 May 2024 18:01

Instrument :

BNA\_N

ClientSampleId :

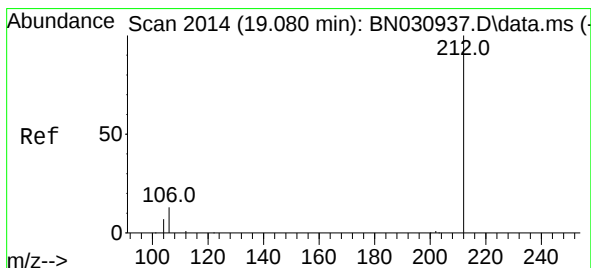
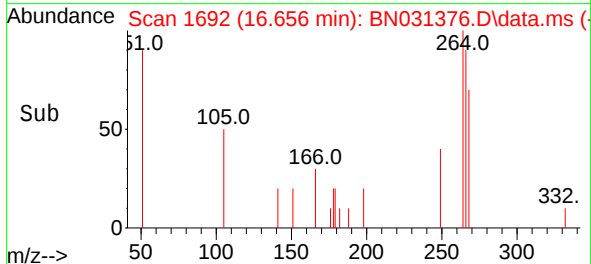
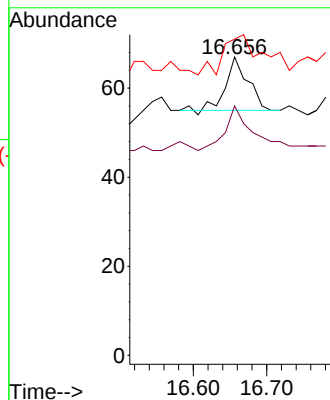
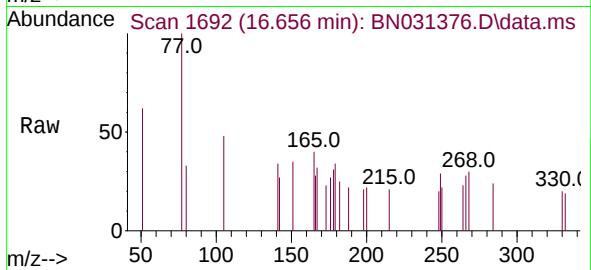
Tgt Ion:266 Resp: 25

Ion Ratio Lower Upper

266 100

264 108.0 50.2 75.2#

268 136.0 52.3 78.5#



#27

Fluoranthene-d10

Concen: 0.385 ng

RT: 19.040 min Scan# 1956

Delta R.T. 0.005 min

Lab File: BN031376.D

Acq: 02 May 2024 18:01

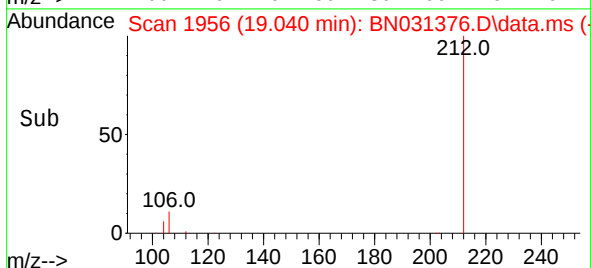
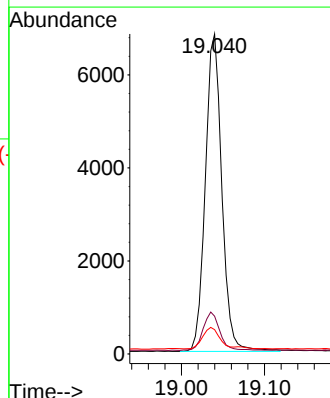
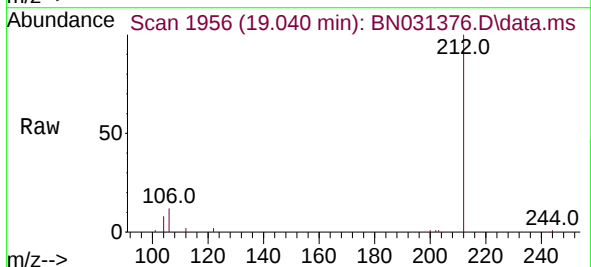
Tgt Ion:212 Resp: 9461

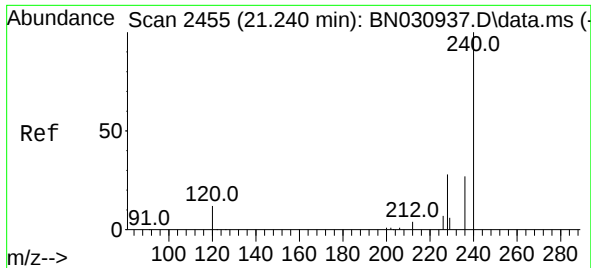
Ion Ratio Lower Upper

212 100

106 12.2 12.0 18.0

104 7.5 6.7 10.1





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.202 min Scan# 2455

Delta R.T. 0.000 min

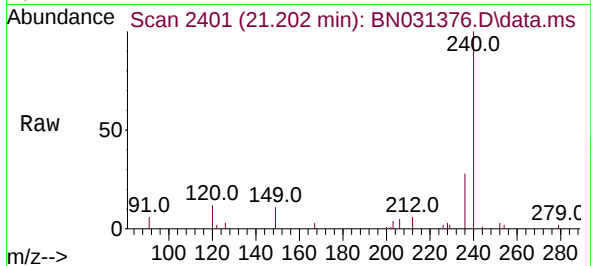
Lab File: BN031376.D

Acq: 02 May 2024 18:01

Instrument :

BNA\_N

ClientSampleId :



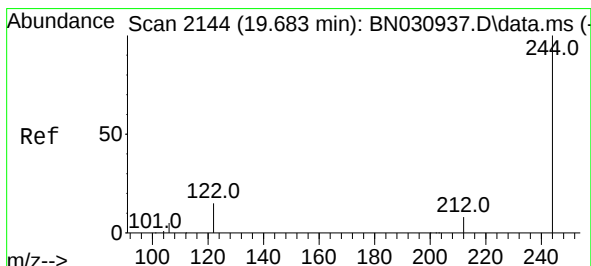
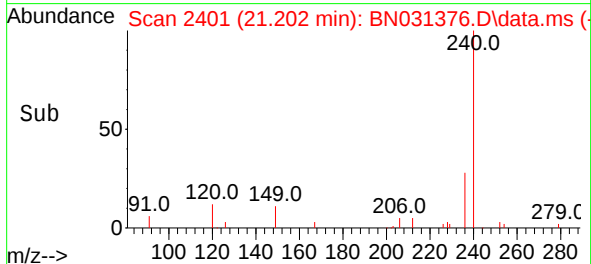
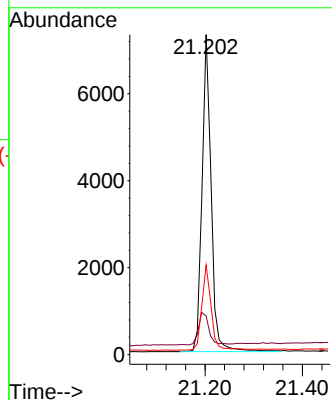
Tgt Ion:240 Resp: 9450

Ion Ratio Lower Upper

240 100

120 12.1 11.0 16.4

236 28.0 22.3 33.5



#31

Terphenyl-d14

Concen: 0.363 ng

RT: 19.644 min Scan# 2086

Delta R.T. 0.000 min

Lab File: BN031376.D

Acq: 02 May 2024 18:01

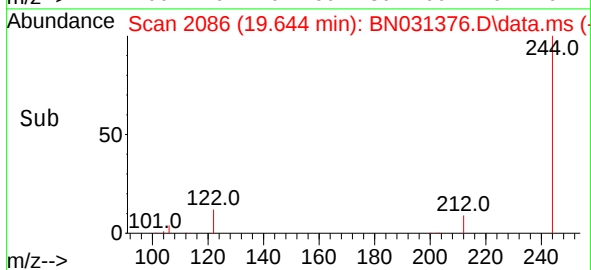
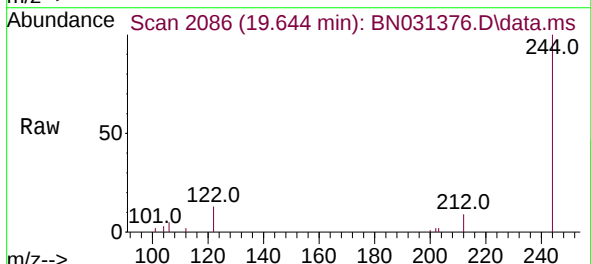
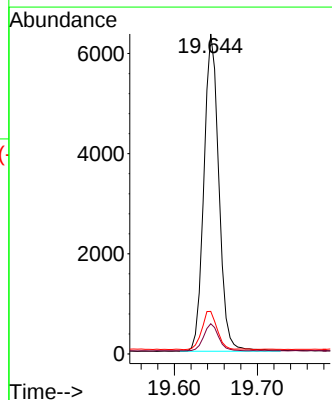
Tgt Ion:244 Resp: 7971

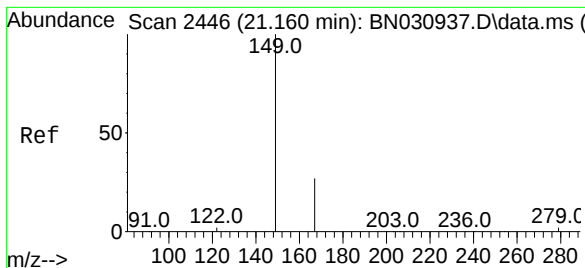
Ion Ratio Lower Upper

244 100

212 9.5 7.2 10.8

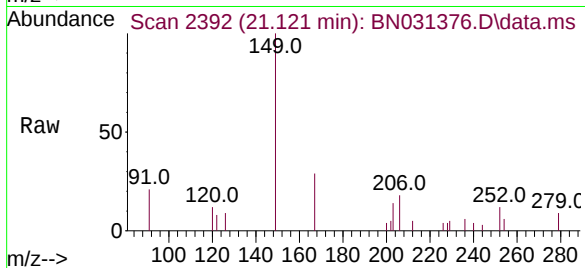
122 13.3 12.7 19.1



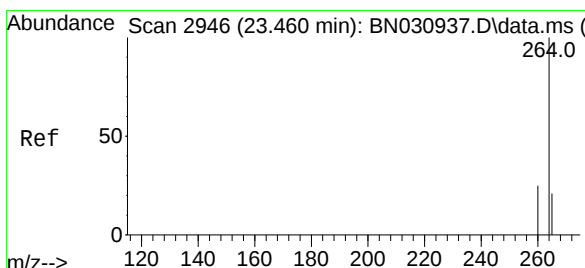
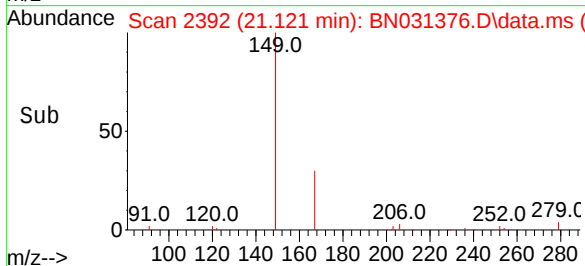
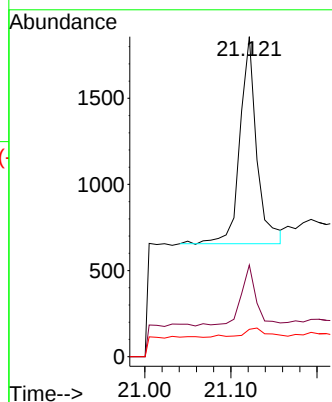


#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.109 ng  
RT: 21.121 min Scan# 2446  
Delta R.T. 0.000 min  
Lab File: BN031376.D  
Acq: 02 May 2024 18:01

Instrument :  
BNA\_N  
ClientSampleId :

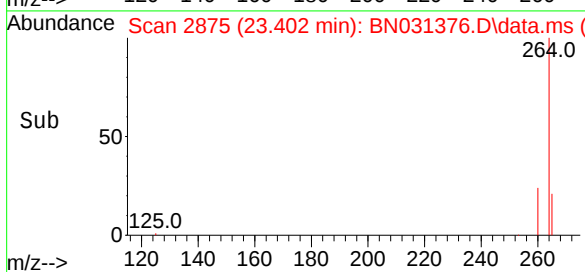
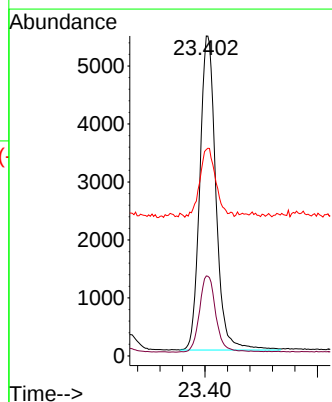
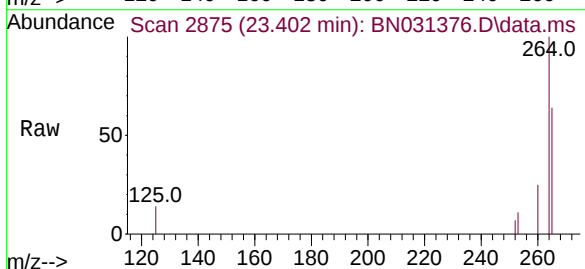


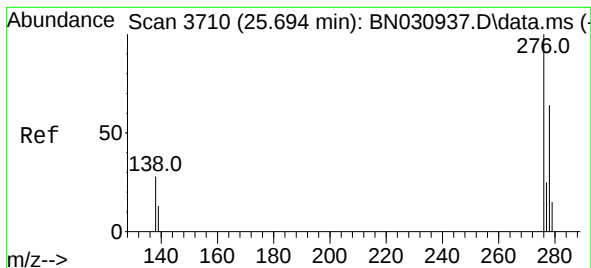
Tgt Ion:149 Resp: 1637  
Ion Ratio Lower Upper  
149 100  
167 27.3 21.0 31.4  
279 4.9 2.9 4.3#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.402 min Scan# 2875  
Delta R.T. -0.006 min  
Lab File: BN031376.D  
Acq: 02 May 2024 18:01

Tgt Ion:264 Resp: 10757  
Ion Ratio Lower Upper  
264 100  
260 25.0 20.6 31.0  
265 64.5 53.3 79.9





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.029 ng

RT: 25.615 min Scan# 3

Delta R.T. -0.003 min

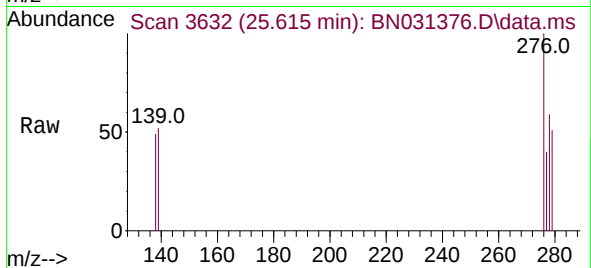
Lab File: BN031376.D

Acq: 02 May 2024 18:01

Instrument :

BNA\_N

ClientSampleId :



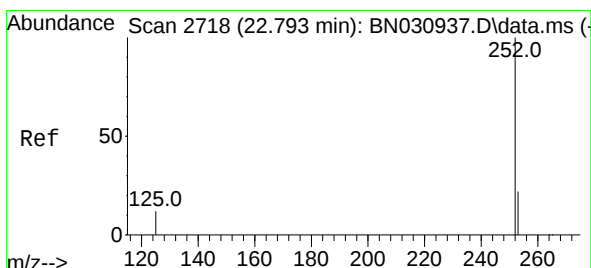
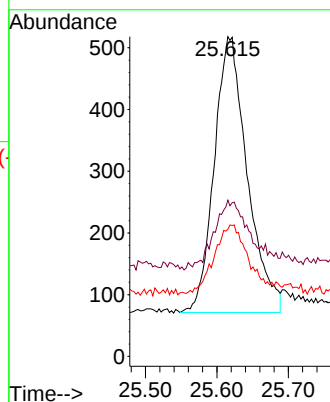
Tgt Ion:276 Resp: 1434

Ion Ratio Lower Upper

276 100

138 22.8 23.1 34.7#

277 25.7 19.9 29.9



#37

Benzo(b)fluoranthene

Concen: 0.034 ng

RT: 22.747 min Scan# 2651

Delta R.T. 0.000 min

Lab File: BN031376.D

Acq: 02 May 2024 18:01

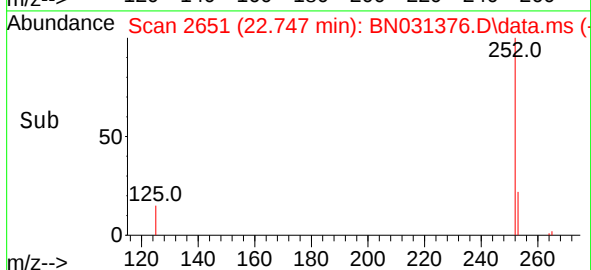
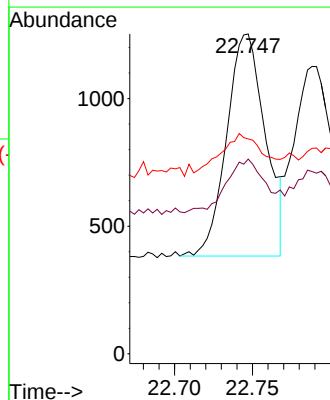
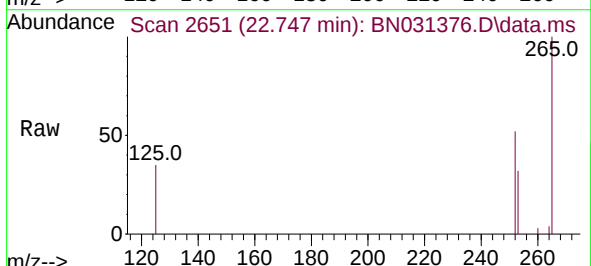
Tgt Ion:252 Resp: 1503

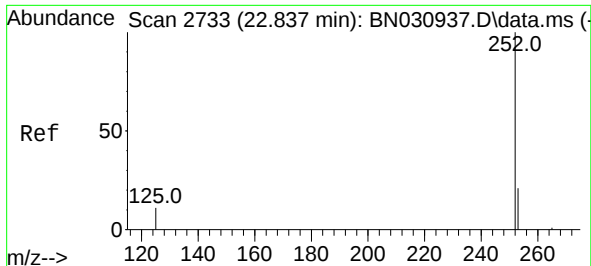
Ion Ratio Lower Upper

252 100

253 60.9 20.2 30.2#

125 67.2 13.4 20.2#





#38

Benzo(k)fluoranthene

Concen: 0.028 ng

RT: 22.788 min Scan# 2

Delta R.T. -0.003 min

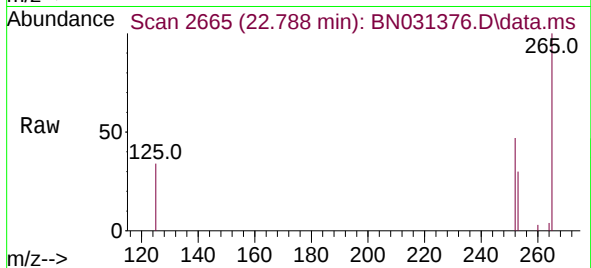
Lab File: BN031376.D

Acq: 02 May 2024 18:01

Instrument :

BNA\_N

ClientSampleId :



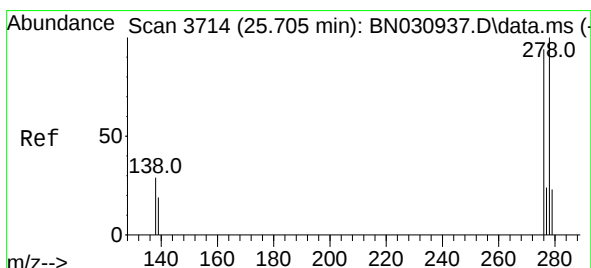
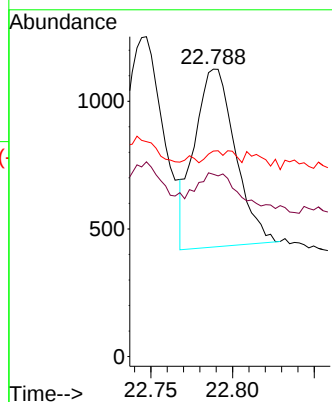
Tgt Ion:252 Resp: 1212

Ion Ratio Lower Upper

252 100

253 63.4 19.9 29.9#

125 71.5 13.2 19.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.028 ng

RT: 25.630 min Scan# 3637

Delta R.T. -0.003 min

Lab File: BN031376.D

Acq: 02 May 2024 18:01

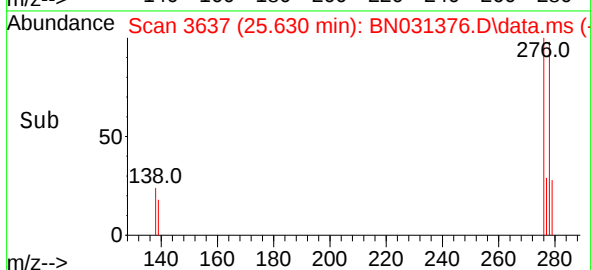
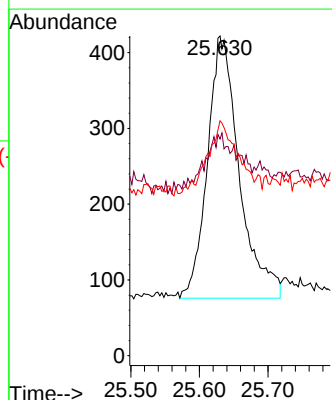
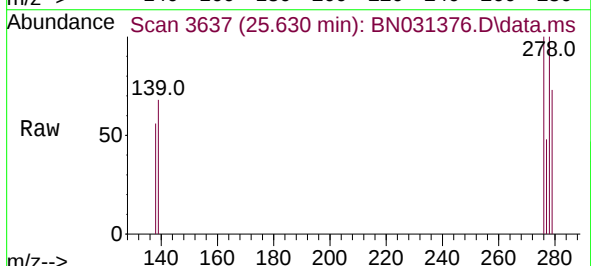
Tgt Ion:278 Resp: 1116

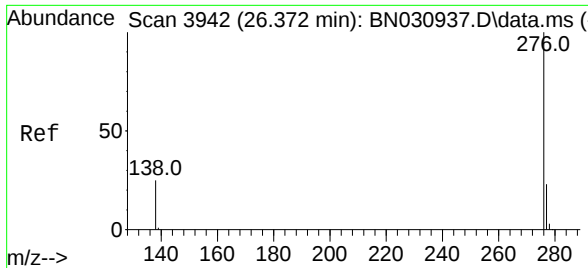
Ion Ratio Lower Upper

278 100

139 67.8 16.3 24.5#

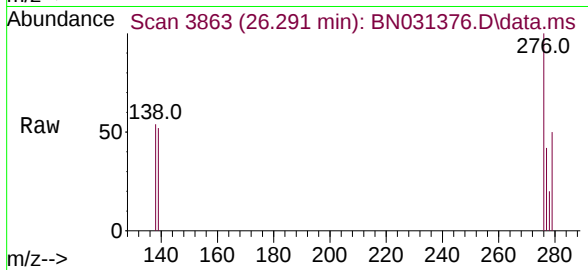
279 73.5 20.6 31.0#





#41  
Benzo(g,h,i)perylene  
Concen: 0.029 ng  
RT: 26.291 min Scan# 3863  
Delta R.T. -0.003 min  
Lab File: BN031376.D  
Acq: 02 May 2024 18:01

Instrument :  
BNA\_N  
ClientSampleId :



Tgt Ion:276 Resp: 1275  
Ion Ratio Lower Upper  
276 100  
277 42.4 19.4 29.2#  
138 54.1 21.0 31.4#

