

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110422\  
 Data File : BN022515.D  
 Acq On : 04 Nov 2022 19:38  
 Operator : CG/JU  
 Sample : N5395-09DL 2X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-6-103122DL

Quant Time: Nov 05 01:58:42 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN110322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 04 03:28:17 2022  
 Response via : Initial Calibration

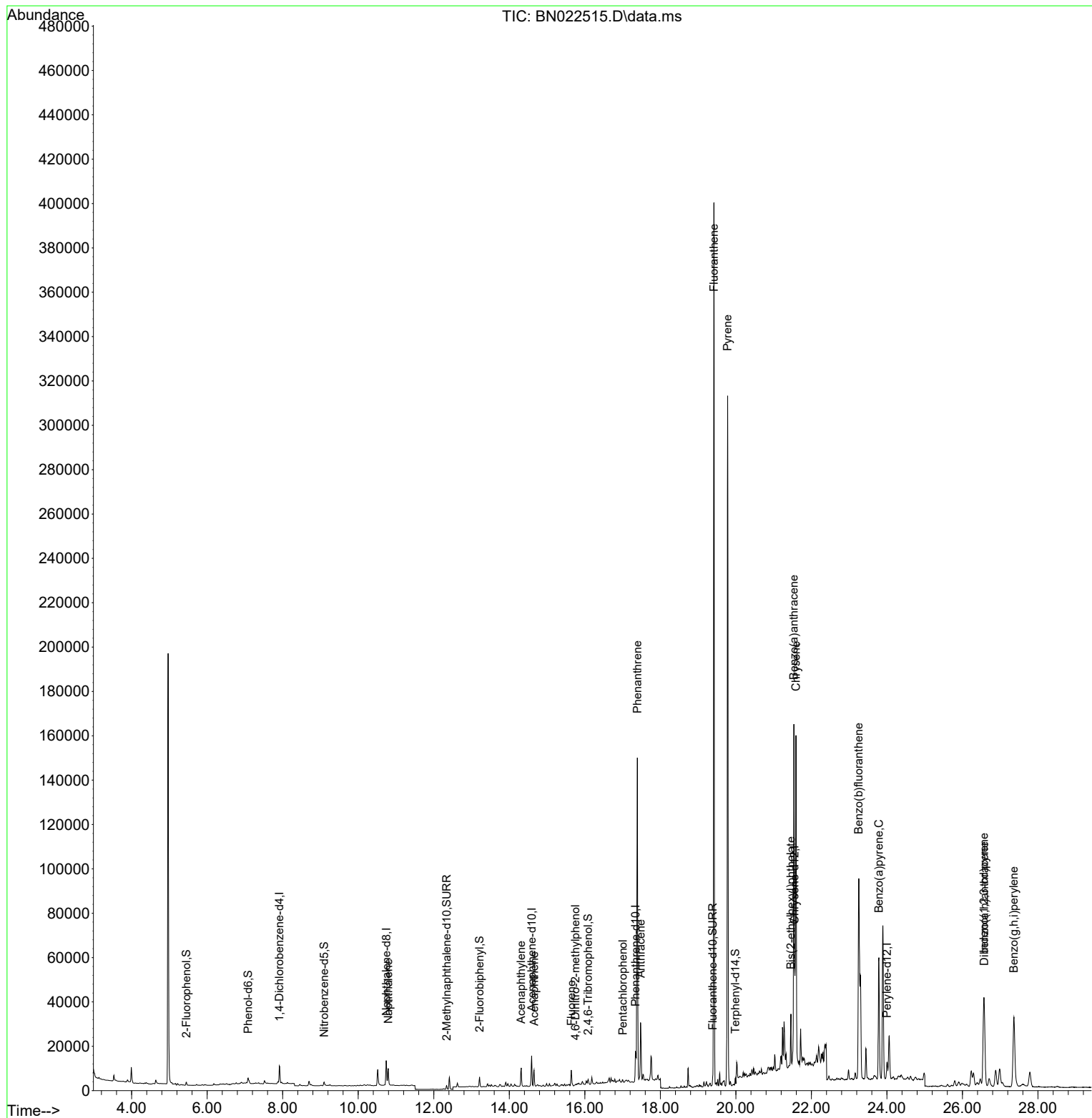
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.913  | 152  | 4156     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.741 | 136  | 14796    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.593 | 164  | 7835     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.341 | 188  | 18928    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.555 | 240  | 13412    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.002 | 264  | 11068    | 0.400 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.450  | 112  | 1248     | 0.106 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.083  | 99   | 2531     | 0.171 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.097  | 82   | 1475     | 0.110 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.342 | 152  | 2491     | 0.100 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.088 | 330  | 522      | 0.127 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.214 | 172  | 3748     | 0.115 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.390 | 212  | 4491     | 0.087 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.984 | 244  | 3670     | 0.088 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 9) Naphthalene                | 10.795 | 128  | 9848     | 0.220 | ng    | 99       |
| 16) Acenaphthylene            | 14.315 | 152  | 9685     | 0.244 | ng    | 99       |
| 17) Acenaphthene              | 14.657 | 154  | 3694     | 0.144 | ng    | 99       |
| 18) Fluorene                  | 15.640 | 166  | 4488     | 0.125 | ng    | # 96     |
| 20) 4,6-Dinitro-2-methylph... | 15.752 | 198  | 15       | 0.234 | ng    | # 1      |
| 24) Pentachlorophenol         | 17.006 | 266  | 68       | 0.180 | ng    | 88       |
| 25) Phenanthrene              | 17.391 | 178  | 147696   | 2.335 | ng    | 100      |
| 26) Anthracene                | 17.478 | 178  | 27104    | 0.487 | ng    | # 95     |
| 28) Fluoranthene              | 19.419 | 202  | 324262   | 4.756 | ng    | 99       |
| 30) Pyrene                    | 19.782 | 202  | 272278   | 4.702 | ng    | # 96     |
| 32) Benzo(a)anthracene        | 21.537 | 228  | 133635   | 2.478 | ng    | 99       |
| 33) Chrysene                  | 21.591 | 228  | 128605   | 2.408 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.456 | 149  | 18865    | 0.415 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.569 | 276  | 69907    | 1.312 | ng    | 95       |
| 37) Benzo(b)fluoranthene      | 23.253 | 252  | 155512   | 3.573 | ng    | # 93     |
| 39) Benzo(a)pyrene            | 23.786 | 252  | 76083    | 2.041 | ng    | 94       |
| 40) Dibenzo(a,h)anthracene    | 26.581 | 278  | 17113    | 0.404 | ng    | # 89     |
| 41) Benzo(g,h,i)perylene      | 27.361 | 276  | 69335    | 1.540 | ng    | 97       |
| -----                         |        |      |          |       |       |          |

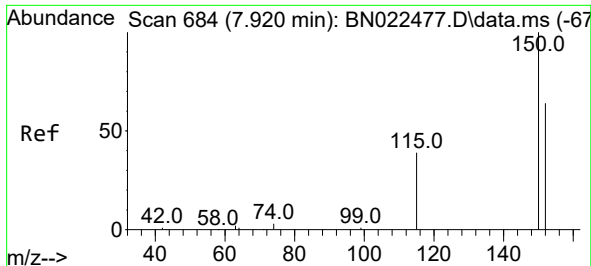
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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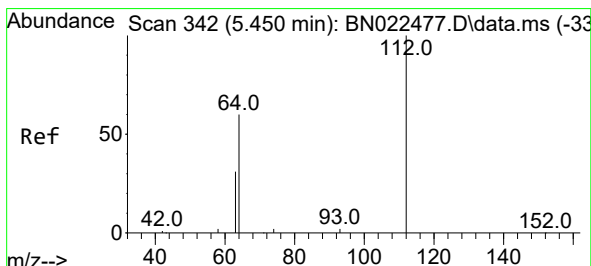
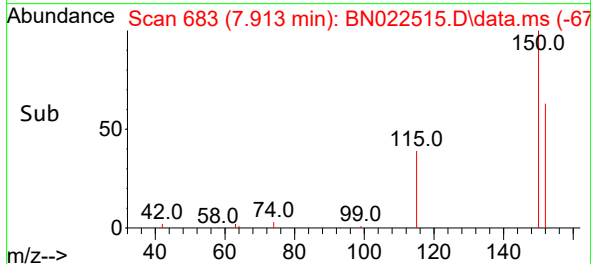
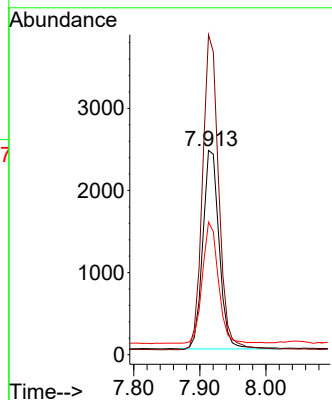
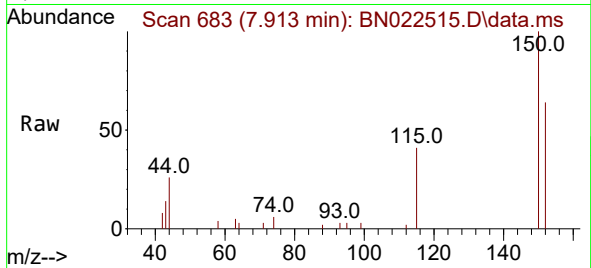




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.913 min Scan# 684  
Delta R.T. -0.007 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

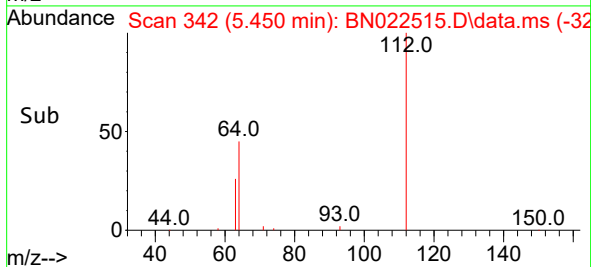
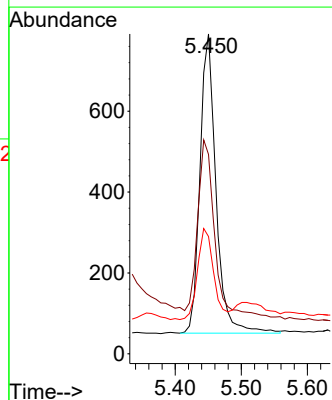
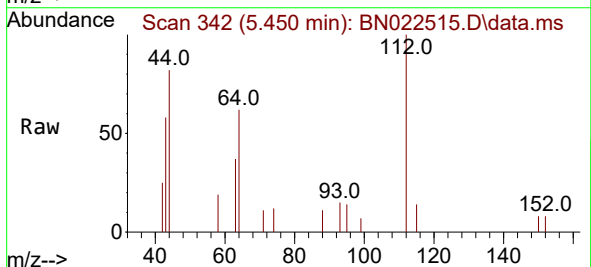
Instrument :  
BNA\_N  
ClientSampleId :  
S-6-103122DL

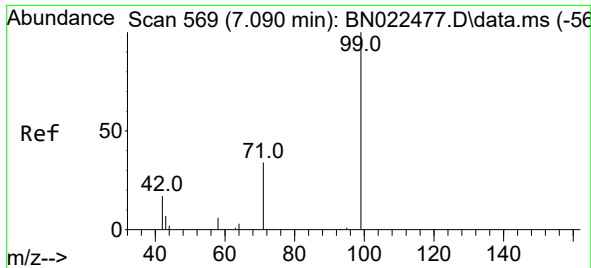
Tgt Ion:152 Resp: 4156  
Ion Ratio Lower Upper  
152 100  
150 156.7 123.4 185.2  
115 64.9 54.9 82.3



#4  
2-Fluorophenol  
Concen: 0.106 ng  
RT: 5.450 min Scan# 342  
Delta R.T. -0.000 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

Tgt Ion:112 Resp: 1248  
Ion Ratio Lower Upper  
112 100  
64 65.9 47.1 70.7  
63 30.4 24.6 36.8

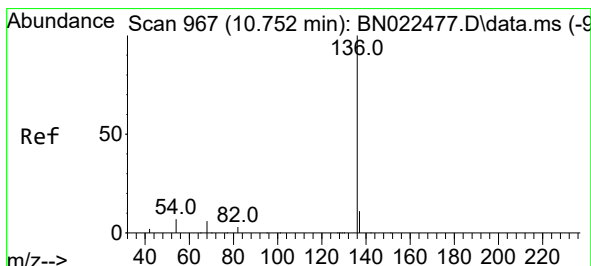
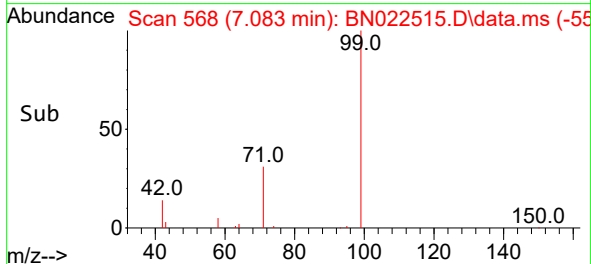
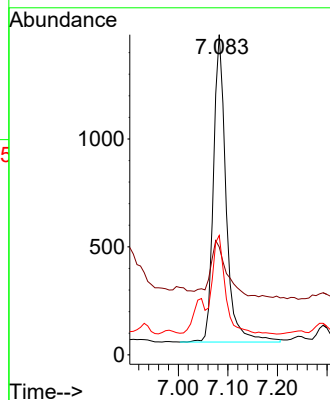
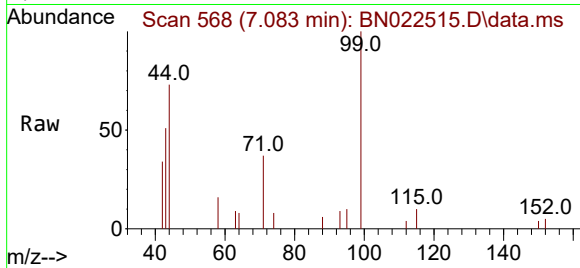




#5  
Phenol-d6  
Concen: 0.171 ng  
RT: 7.083 min Scan# 568  
Delta R.T. -0.007 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

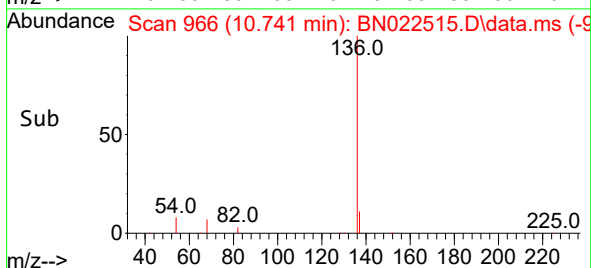
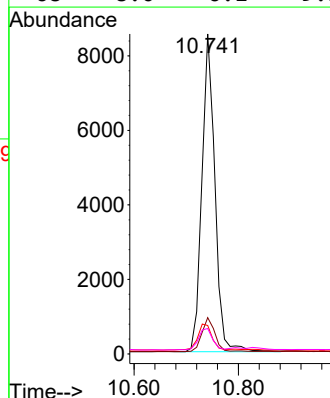
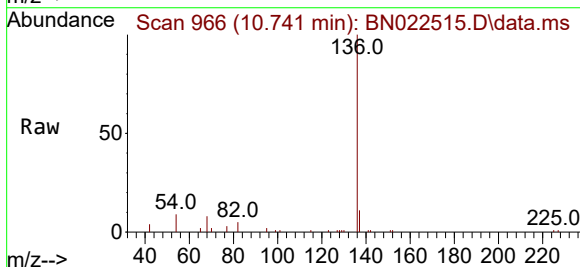
Instrument :  
BNA\_N  
ClientSampleId :  
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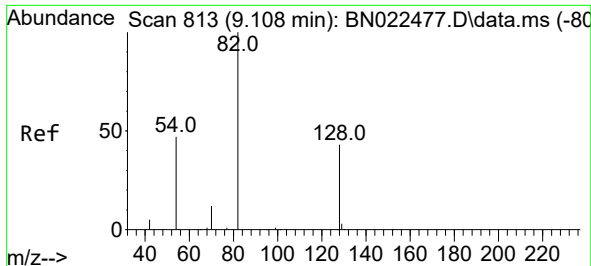
Tgt Ion: 99 Resp: 2531  
Ion Ratio Lower Upper  
99 100  
42 23.4 14.7 22.1#  
71 33.9 27.0 40.6



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.741 min Scan# 966  
Delta R.T. -0.011 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

Tgt Ion: 136 Resp: 14796  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.5 14.3  
54 8.9 7.1 10.7  
68 8.0 6.1 9.1

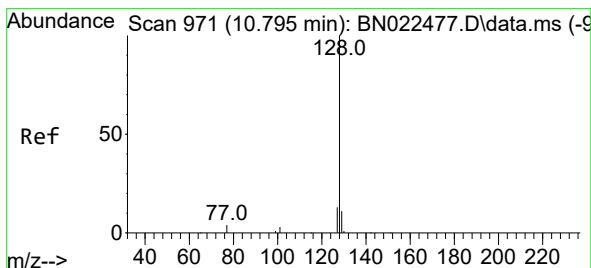
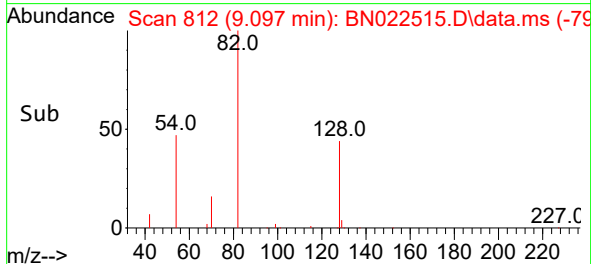
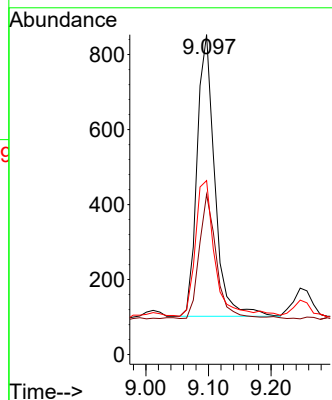
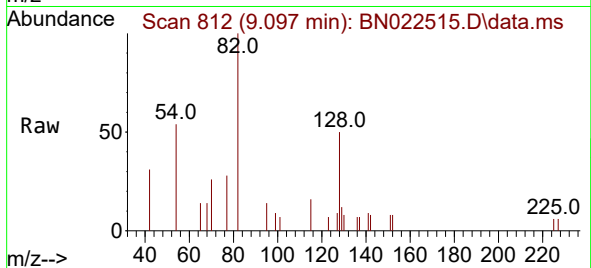




#8  
Nitrobenzene-d5  
Concen: 0.110 ng  
RT: 9.097 min Scan# 813  
Delta R.T. -0.011 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

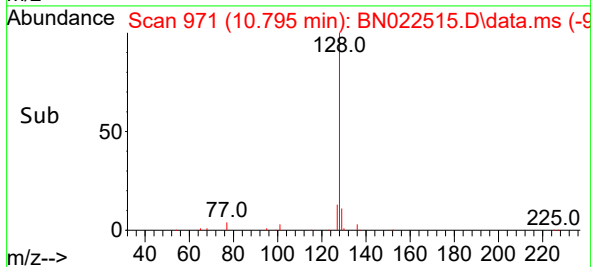
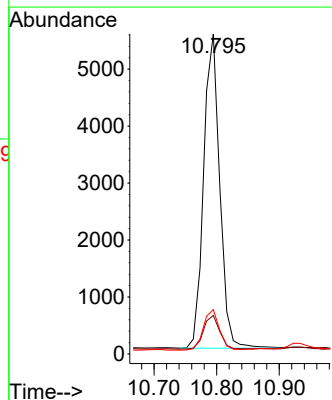
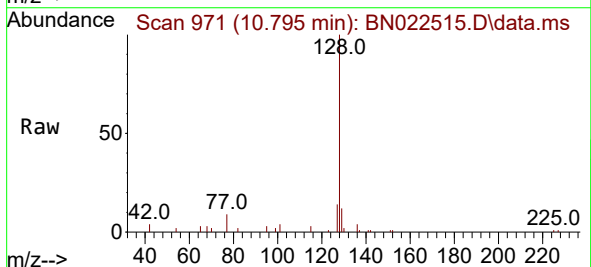
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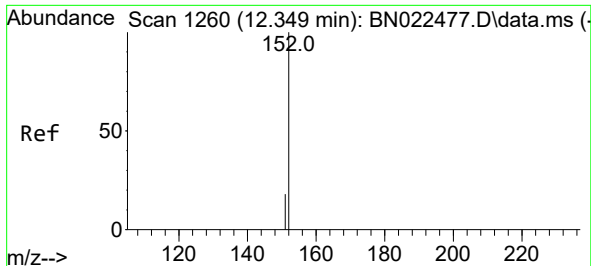
Tgt Ion: 82 Resp: 1475  
Ion Ratio Lower Upper  
82 100  
128 50.1 37.3 55.9  
54 54.4 40.0 60.0



#9  
Naphthalene  
Concen: 0.220 ng  
RT: 10.795 min Scan# 971  
Delta R.T. -0.000 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

Tgt Ion: 128 Resp: 9848  
Ion Ratio Lower Upper  
128 100  
129 12.1 9.8 14.6  
127 13.8 11.4 17.2

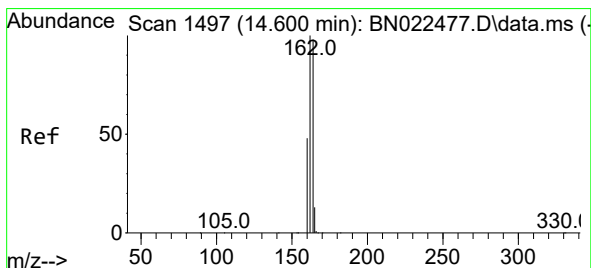
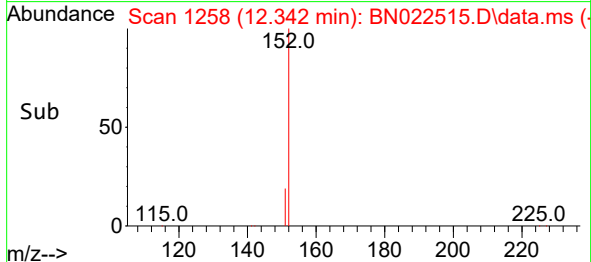
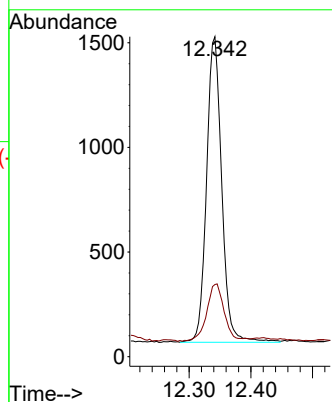
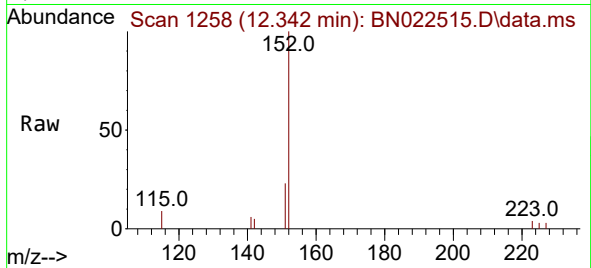




#11  
2-Methylnaphthalene-d10  
Concen: 0.100 ng  
RT: 12.342 min Scan# 1258  
Delta R.T. -0.008 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

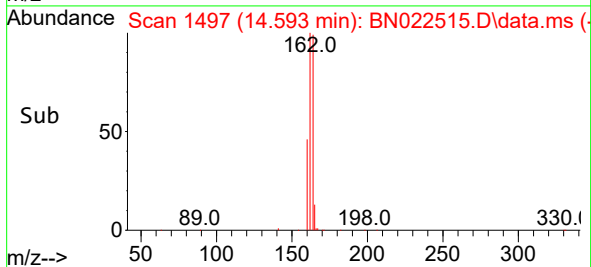
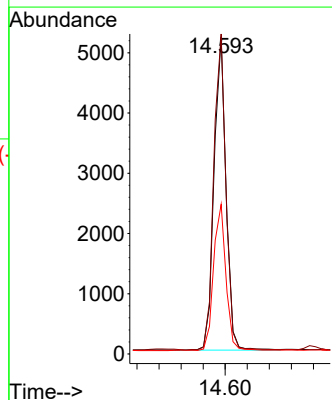
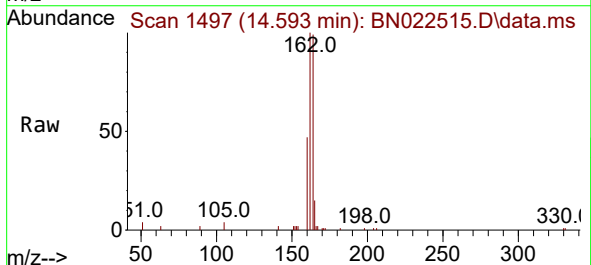
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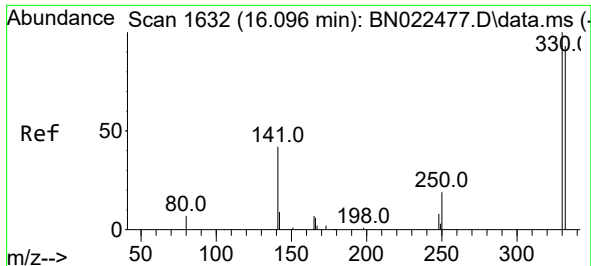
Tgt Ion:152 Resp: 2491  
Ion Ratio Lower Upper  
152 100  
151 21.5 16.6 25.0



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.593 min Scan# 1497  
Delta R.T. -0.007 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

Tgt Ion:164 Resp: 7835  
Ion Ratio Lower Upper  
164 100  
162 100.9 82.0 123.0  
160 47.2 39.4 59.2

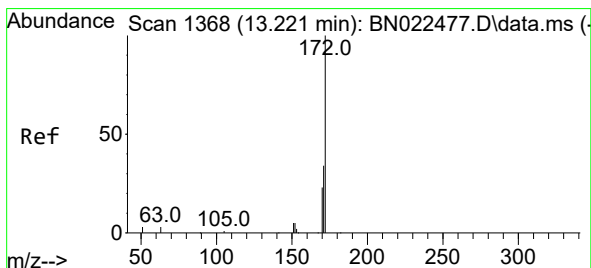
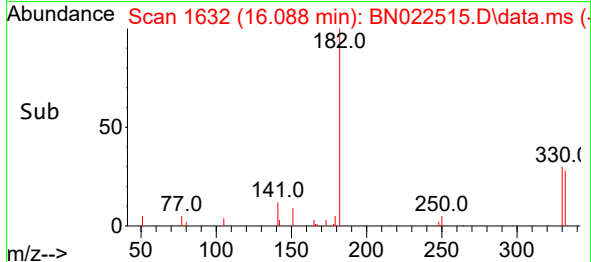
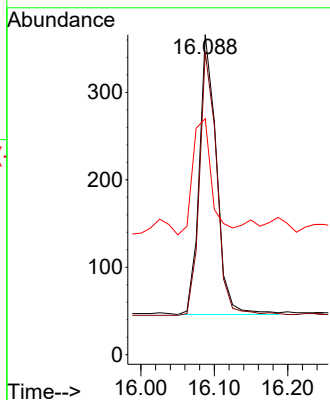
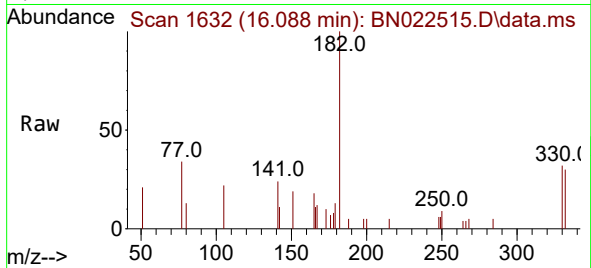




#14  
2,4,6-Tribromophenol  
Concen: 0.127 ng  
RT: 16.088 min Scan# 1632  
Delta R.T. -0.009 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

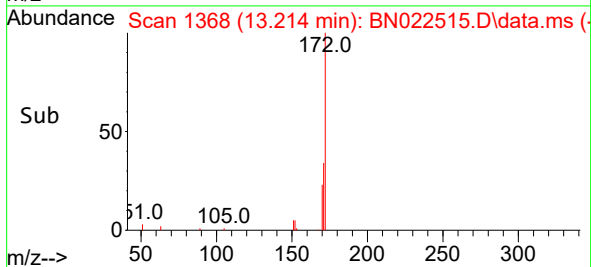
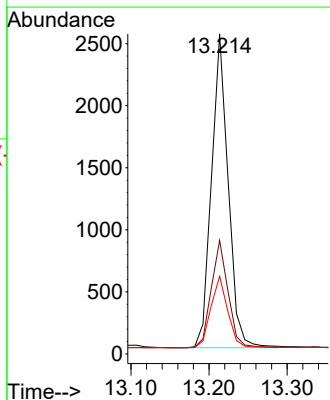
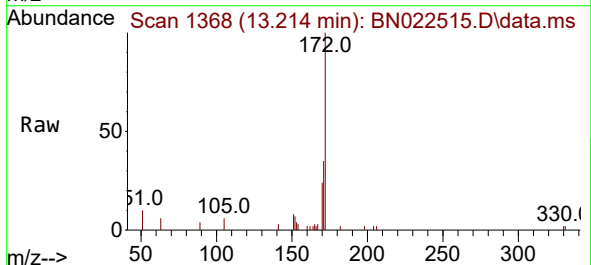
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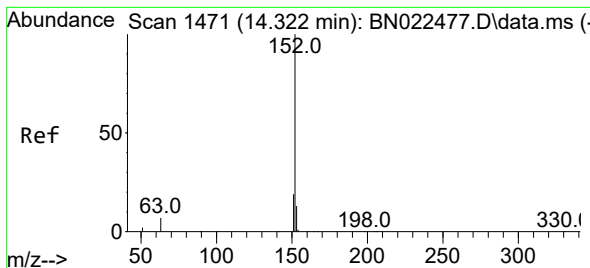
Tgt Ion:330 Resp: 522  
Ion Ratio Lower Upper  
330 100  
332 94.3 77.8 116.8  
141 45.0 35.0 52.6



#15  
2-Fluorobiphenyl  
Concen: 0.115 ng  
RT: 13.214 min Scan# 1368  
Delta R.T. -0.007 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

Tgt Ion:172 Resp: 3748  
Ion Ratio Lower Upper  
172 100  
171 35.5 27.9 41.9  
170 24.3 19.2 28.8





#16

Acenaphthylene

Concen: 0.244 ng

RT: 14.315 min Scan# 1471

Delta R.T. -0.007 min

Lab File: BN022515.D

Acq: 04 Nov 2022 19:38

Instrument :

BNA\_N

ClientSampleId :

S-6-103122DL

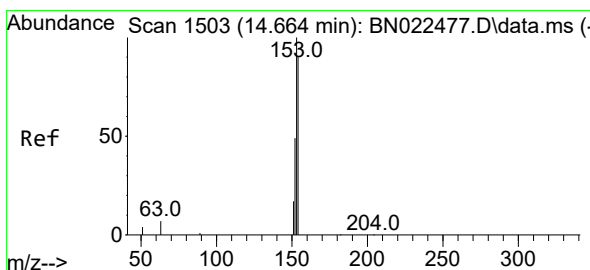
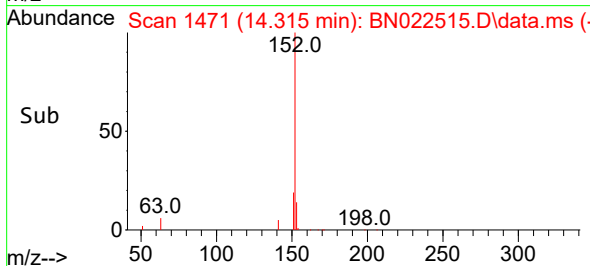
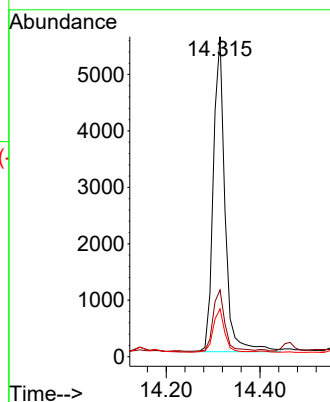
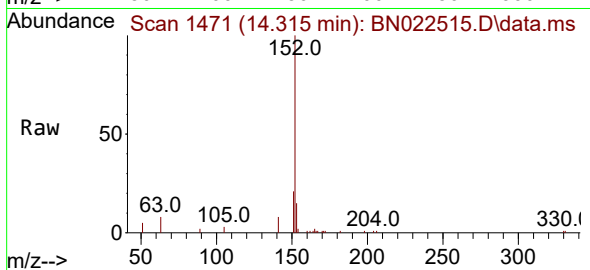
Tgt Ion:152 Resp: 9685

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

153 13.4 10.3 15.5



#17

Acenaphthene

Concen: 0.144 ng

RT: 14.657 min Scan# 1503

Delta R.T. -0.007 min

Lab File: BN022515.D

Acq: 04 Nov 2022 19:38

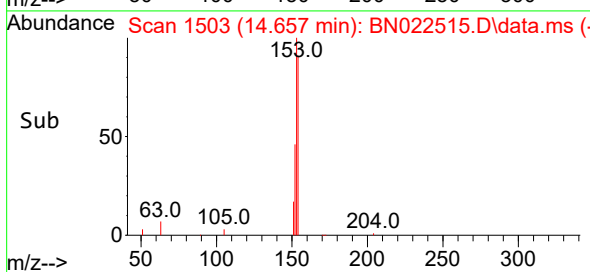
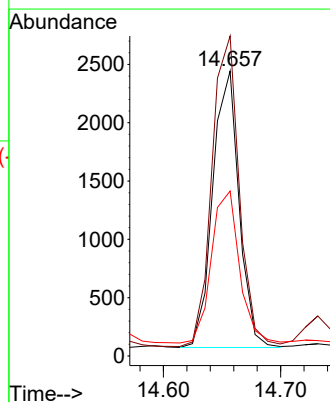
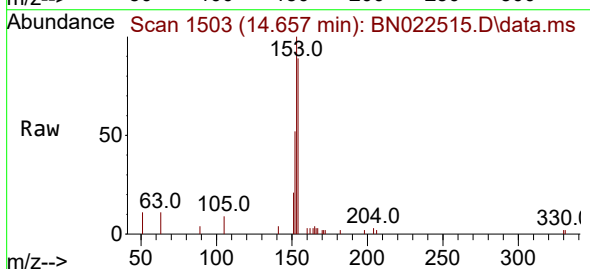
Tgt Ion:154 Resp: 3694

Ion Ratio Lower Upper

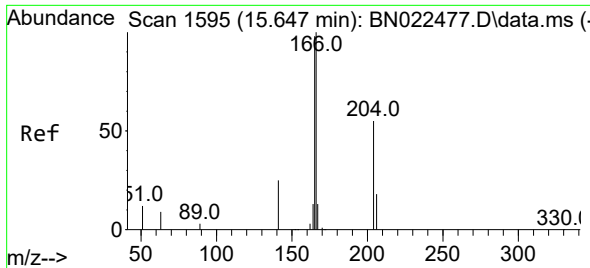
154 100

153 116.2 91.8 137.8

152 58.4 45.7 68.5



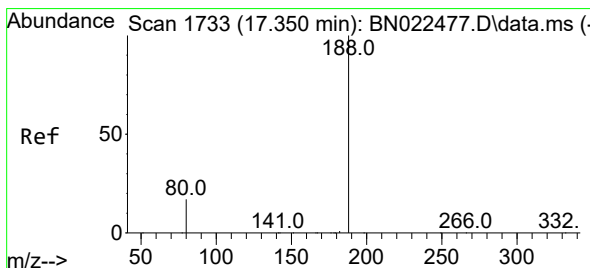
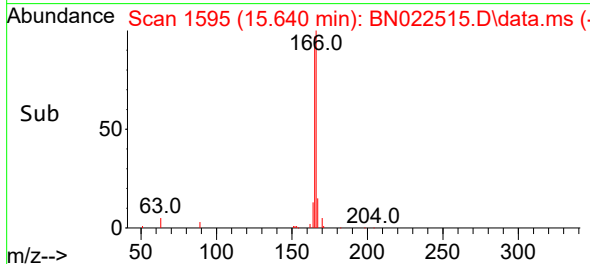
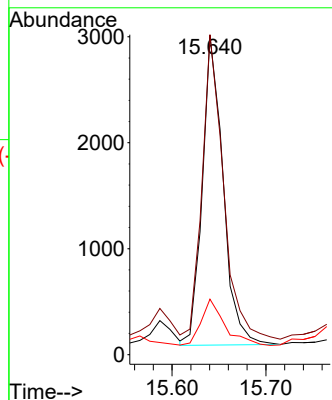
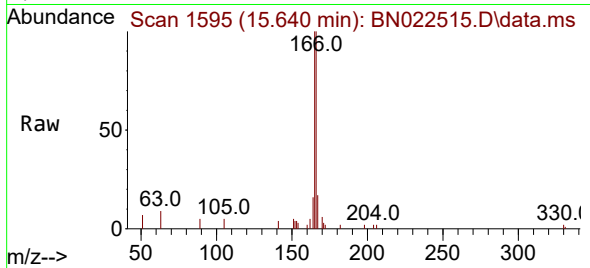




#18  
Fluorene  
Concen: 0.125 ng  
RT: 15.640 min Scan# 1595  
Delta R.T. -0.007 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

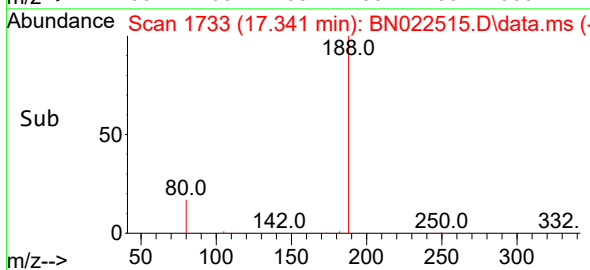
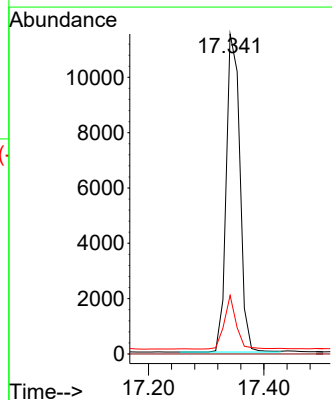
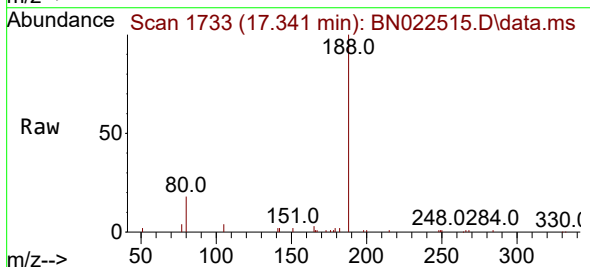
Instrument :  
BNA\_N  
ClientSampleId :  
S-6-103122DL

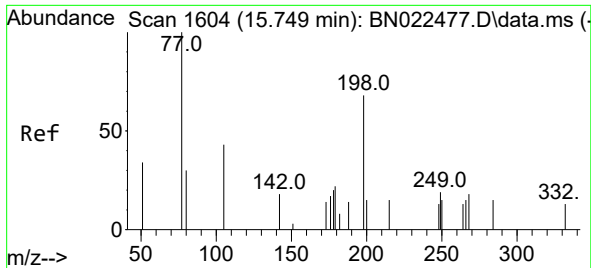
Tgt Ion:166 Resp: 4488  
Ion Ratio Lower Upper  
166 100  
165 101.2 78.7 118.1  
167 17.1 10.2 15.2#



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.341 min Scan# 1733  
Delta R.T. -0.009 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

Tgt Ion:188 Resp: 18928  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 18.3 14.6 21.8

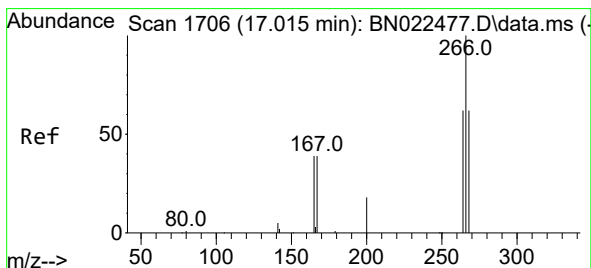
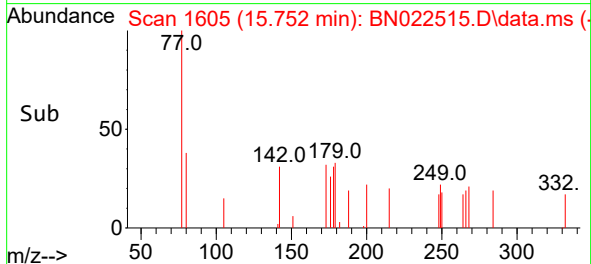
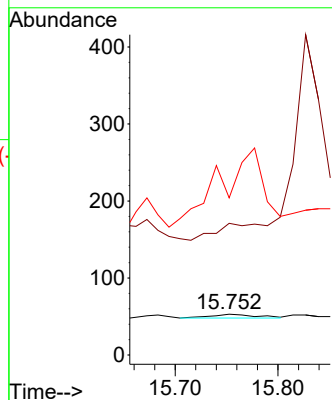
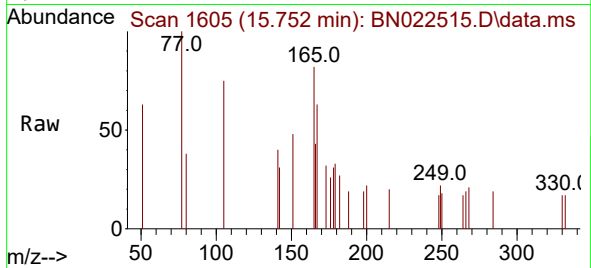




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.234 ng  
RT: 15.752 min Scan# 1605  
Delta R.T. 0.003 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

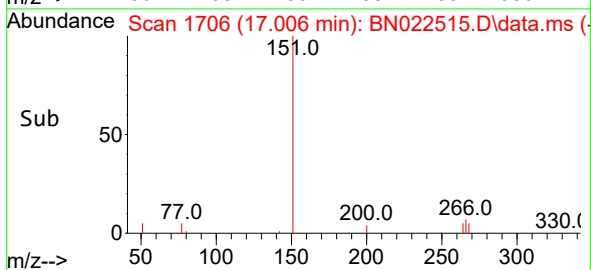
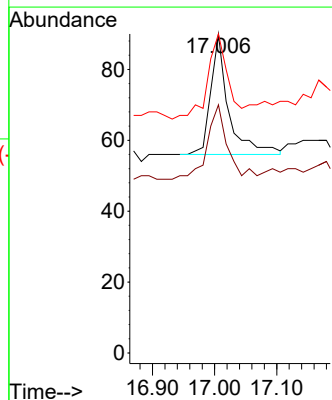
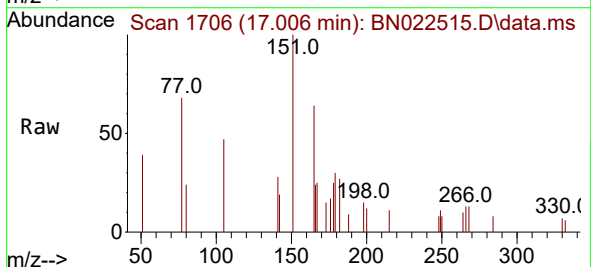
Instrument :  
BNA\_N  
ClientSampleId :  
S-6-103122DL

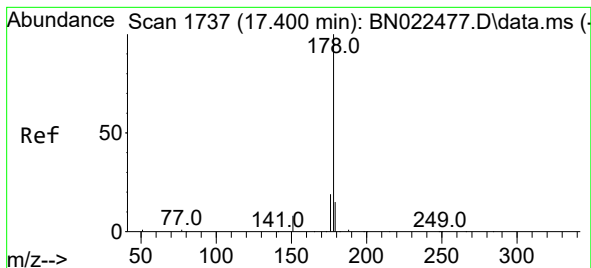
Tgt Ion:198 Resp: 15  
Ion Ratio Lower Upper  
198 100  
51 322.6 83.8 125.8#  
105 384.9 71.4 107.2#



#24  
Pentachlorophenol  
Concen: 0.180 ng  
RT: 17.006 min Scan# 1706  
Delta R.T. -0.009 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

Tgt Ion:266 Resp: 68  
Ion Ratio Lower Upper  
266 100  
264 70.6 50.6 75.8  
268 79.4 54.1 81.1





#25

Phenanthrene

Concen: 2.335 ng

RT: 17.391 min Scan# 1737

Delta R.T. -0.009 min

Lab File: BN022515.D

Acq: 04 Nov 2022 19:38

Instrument :

BNA\_N

ClientSampleId :

S-6-103122DL

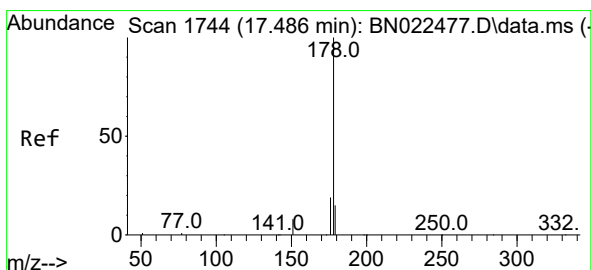
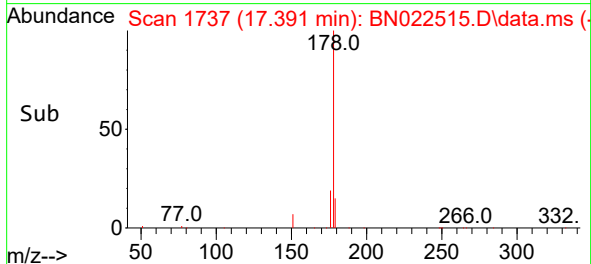
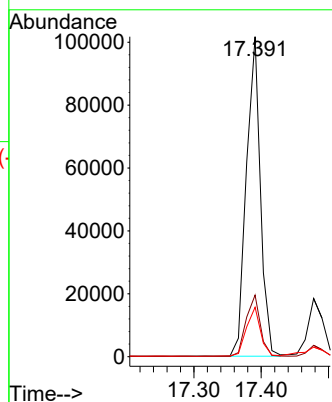
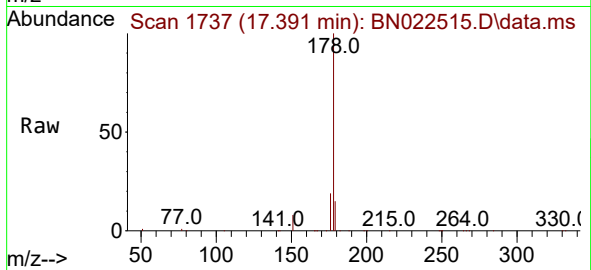
Tgt Ion:178 Resp: 147696

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.4 12.2 18.4



#26

Anthracene

Concen: 0.487 ng

RT: 17.478 min Scan# 1744

Delta R.T. -0.009 min

Lab File: BN022515.D

Acq: 04 Nov 2022 19:38

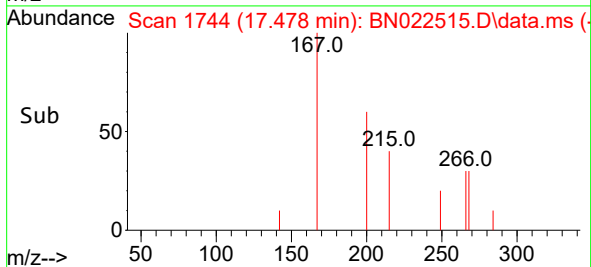
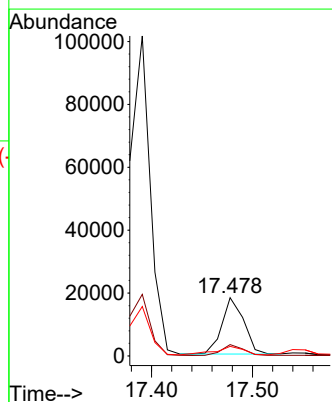
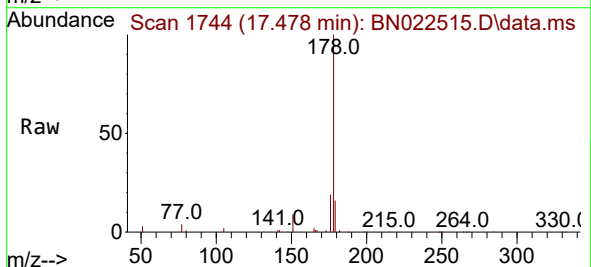
Tgt Ion:178 Resp: 27104

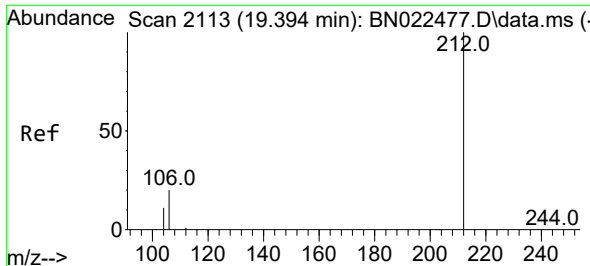
Ion Ratio Lower Upper

178 100

176 19.3 14.8 22.2

179 19.2 12.2 18.2#

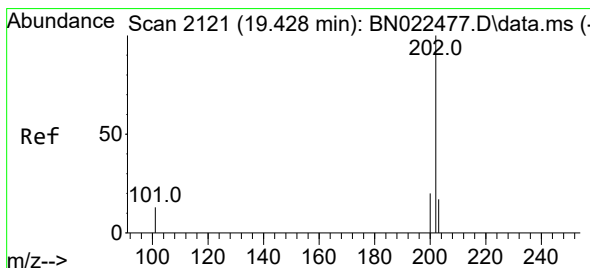
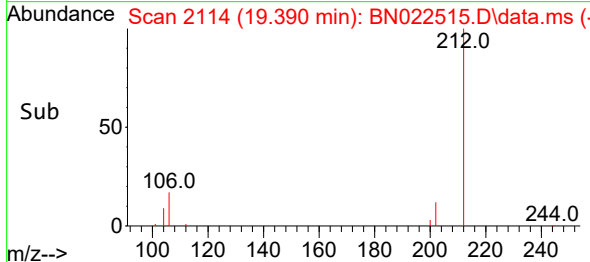
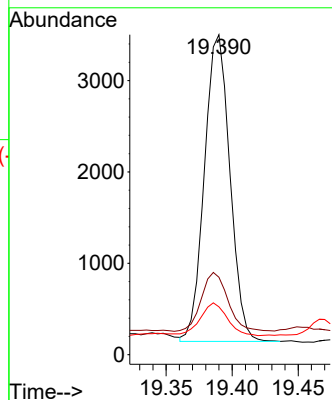
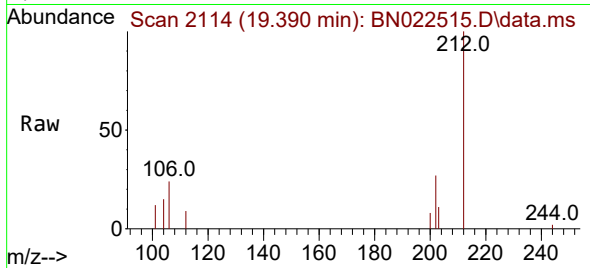




#27  
Fluoranthene-d10  
Concen: 0.087 ng  
RT: 19.390 min Scan# 2113  
Delta R.T. -0.004 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

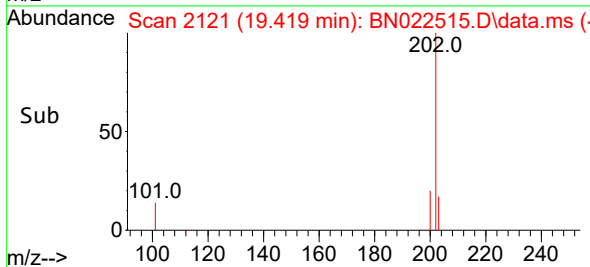
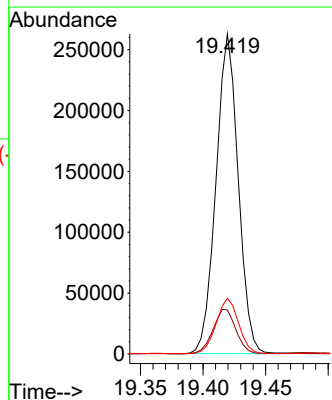
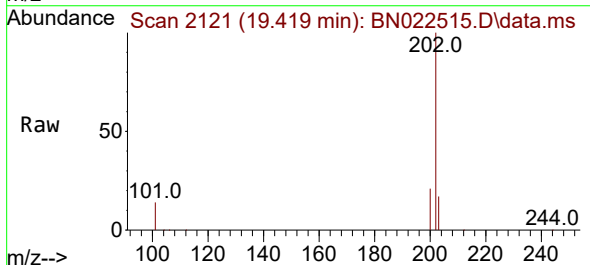
Instrument :  
BNA\_N  
ClientSampleId :  
S-6-103122DL

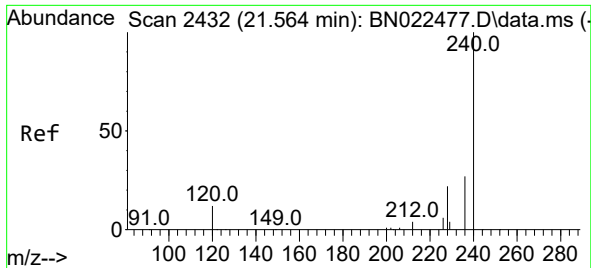
Tgt Ion:212 Resp: 4491  
Ion Ratio Lower Upper  
212 100  
106 20.1 15.2 22.8  
104 11.4 8.6 12.8



#28  
Fluoranthene  
Concen: 4.756 ng  
RT: 19.419 min Scan# 2121  
Delta R.T. -0.009 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

Tgt Ion:202 Resp: 324262  
Ion Ratio Lower Upper  
202 100  
101 14.3 11.2 16.8  
203 17.4 13.6 20.4

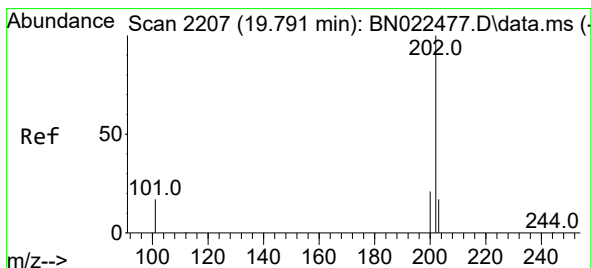
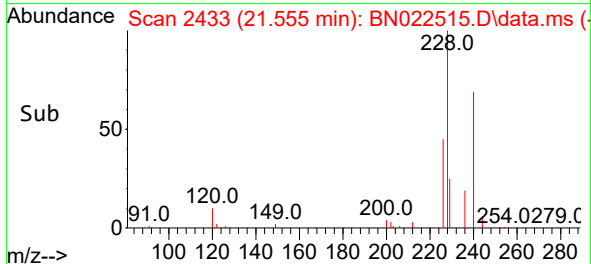
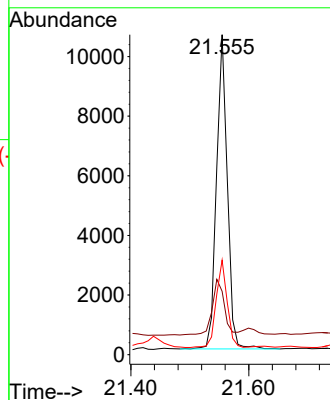
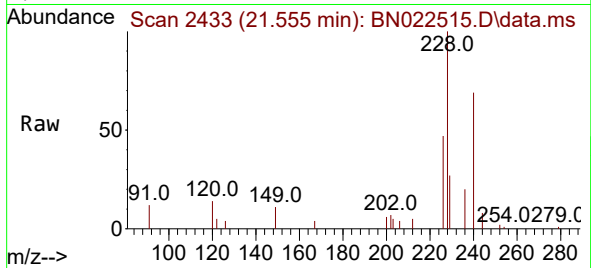




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.555 min Scan# 2433  
Delta R.T. -0.009 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

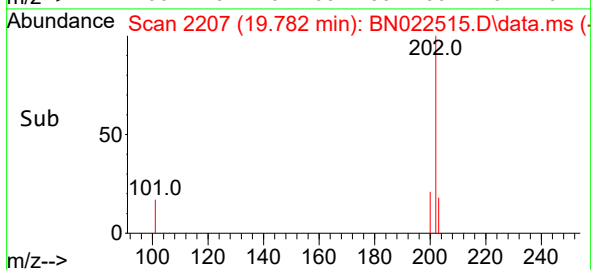
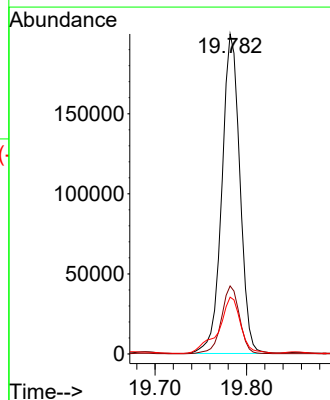
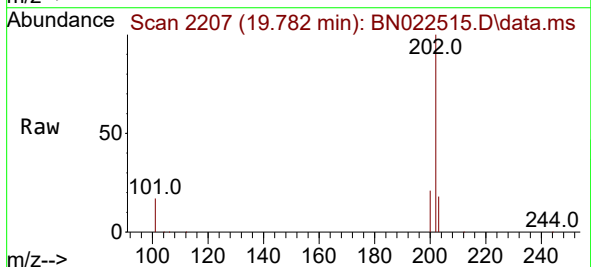
Instrument :  
BNA\_N  
ClientSampleId :  
S-6-103122DL

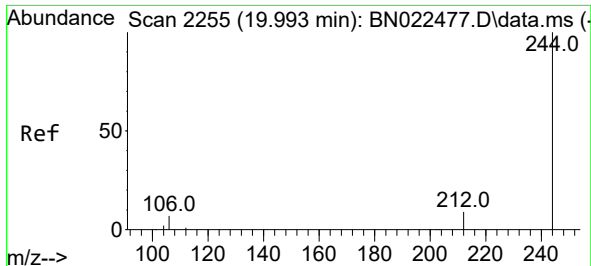
Tgt Ion:240 Resp: 13412  
Ion Ratio Lower Upper  
240 100  
120 19.8 12.4 18.6#  
236 29.6 22.7 34.1



#30  
Pyrene  
Concen: 4.702 ng  
RT: 19.782 min Scan# 2207  
Delta R.T. -0.009 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

Tgt Ion:202 Resp: 272278  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.0 25.4  
203 21.5 14.3 21.5#

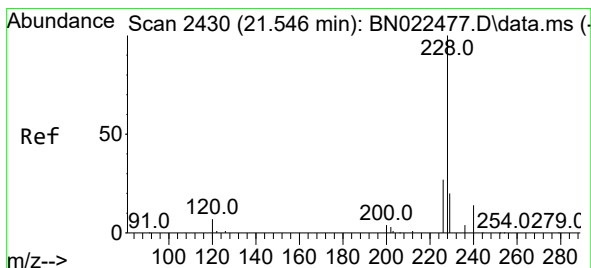
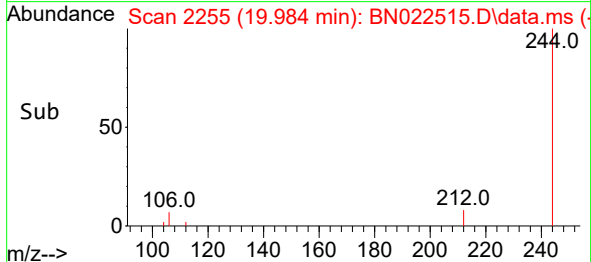
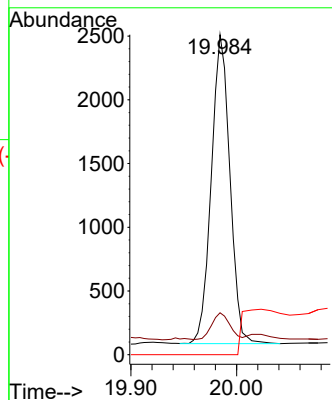
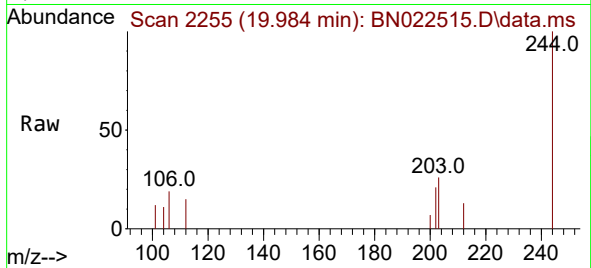




#31  
 Terphenyl-d14  
 Concen: 0.088 ng  
 RT: 19.984 min Scan# 21  
 Delta R.T. -0.009 min  
 Lab File: BN022515.D  
 Acq: 04 Nov 2022 19:38

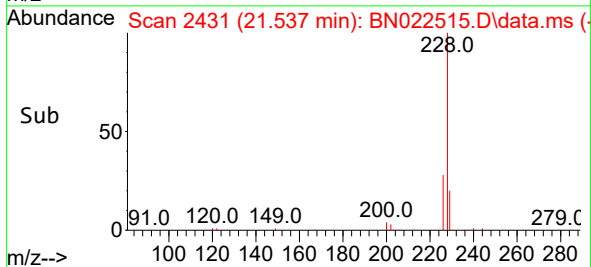
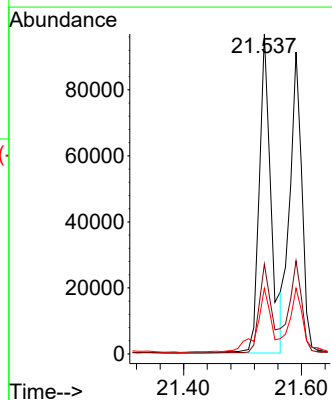
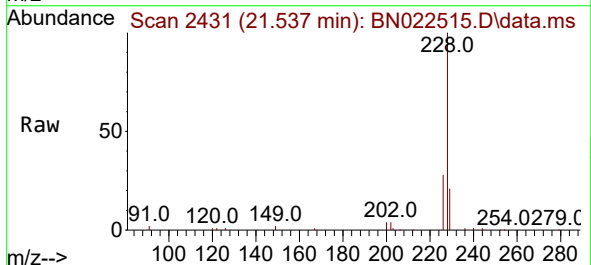
Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-6-103122DL

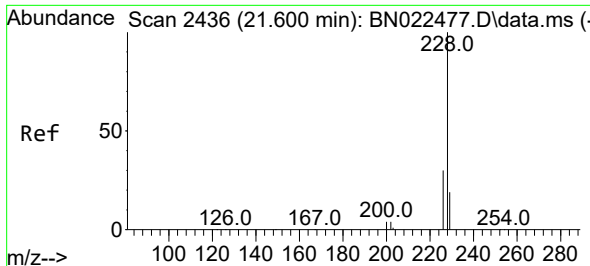
Tgt Ion:244 Resp: 3670  
 Ion Ratio Lower Upper  
 244 100  
 212 13.1 7.8 11.8#  
 122 0.0 0.0 0.0



#32  
 Benzo(a)anthracene  
 Concen: 2.478 ng  
 RT: 21.537 min Scan# 2431  
 Delta R.T. -0.009 min  
 Lab File: BN022515.D  
 Acq: 04 Nov 2022 19:38

Tgt Ion:228 Resp: 133635  
 Ion Ratio Lower Upper  
 228 100  
 226 28.1 22.1 33.1  
 229 20.6 16.4 24.6

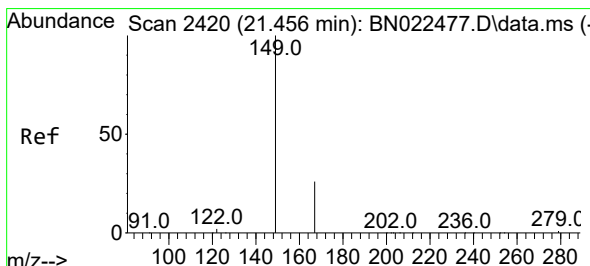
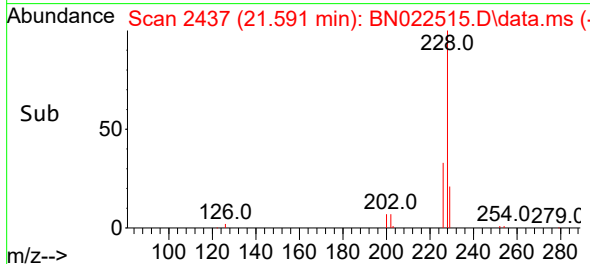
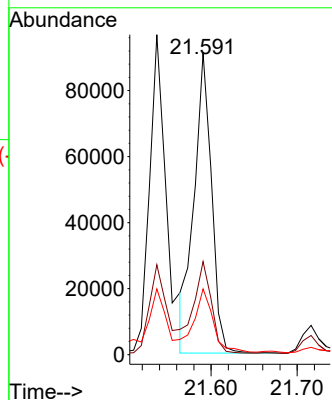
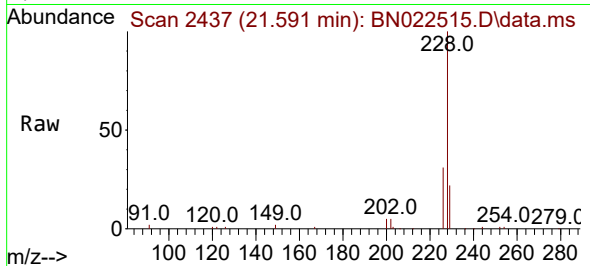




#33  
Chrysene  
Concen: 2.408 ng  
RT: 21.591 min Scan# 2436  
Delta R.T. -0.009 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

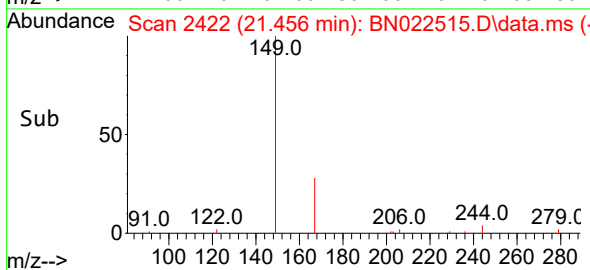
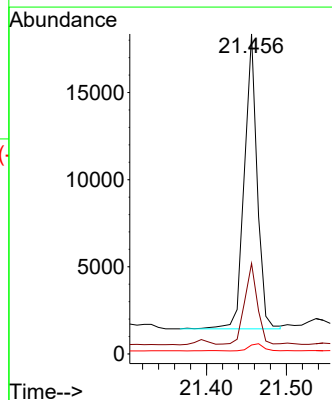
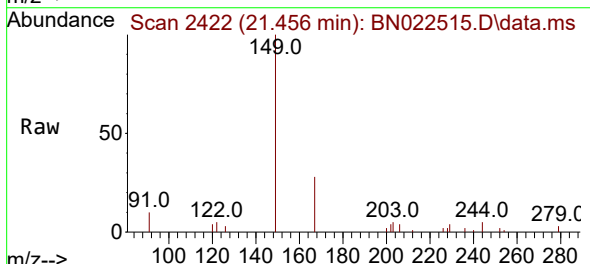
Instrument :  
BNA\_N  
ClientSampleId :  
S-6-103122DL

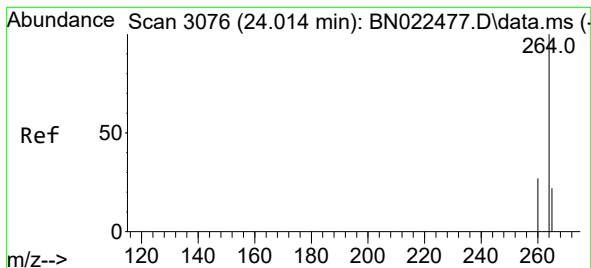
Tgt Ion:228 Resp: 128605  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.1 36.1  
229 21.8 15.9 23.9



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.415 ng  
RT: 21.456 min Scan# 2422  
Delta R.T. -0.000 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

Tgt Ion:149 Resp: 18865  
Ion Ratio Lower Upper  
149 100  
167 27.1 21.3 31.9  
279 2.8 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.002 min Scan# 3076

Delta R.T. -0.012 min

Lab File: BN022515.D

Acq: 04 Nov 2022 19:38

Instrument :

BNA\_N

ClientSampleId :

S-6-103122DL

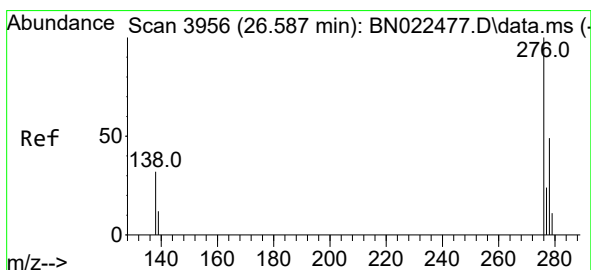
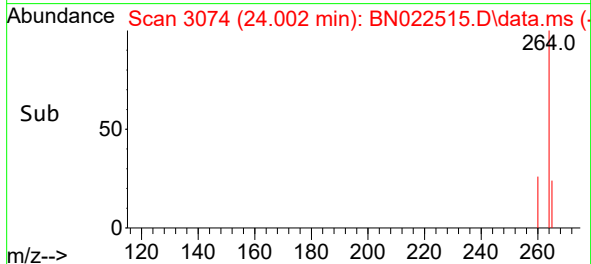
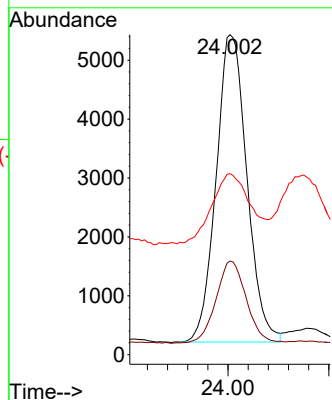
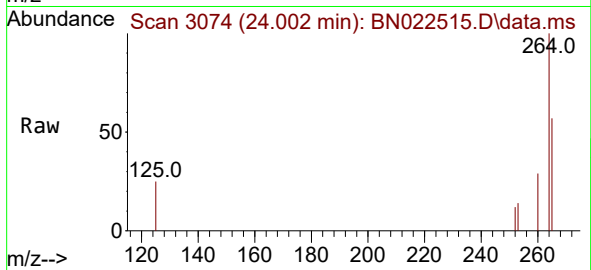
Tgt Ion:264 Resp: 11068

Ion Ratio Lower Upper

264 100

260 29.3 22.4 33.6

265 56.6 44.4 66.6



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.312 ng

RT: 26.569 min Scan# 3952

Delta R.T. -0.018 min

Lab File: BN022515.D

Acq: 04 Nov 2022 19:38

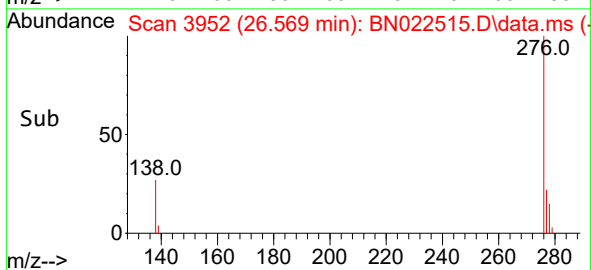
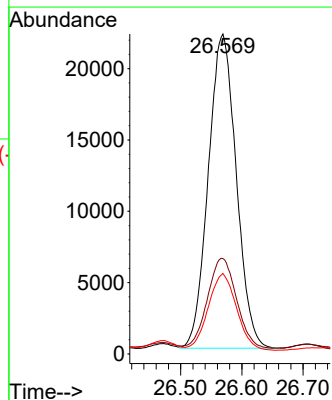
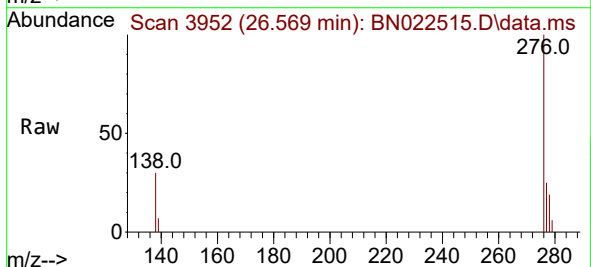
Tgt Ion:276 Resp: 69907

Ion Ratio Lower Upper

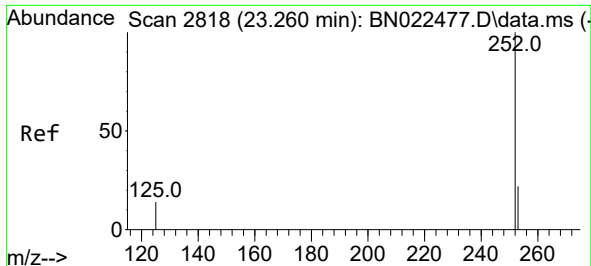
276 100

138 29.6 27.5 41.3

277 24.7 19.8 29.6

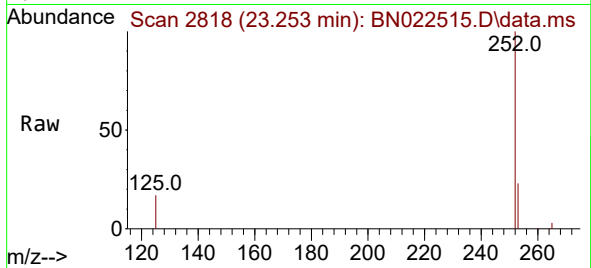




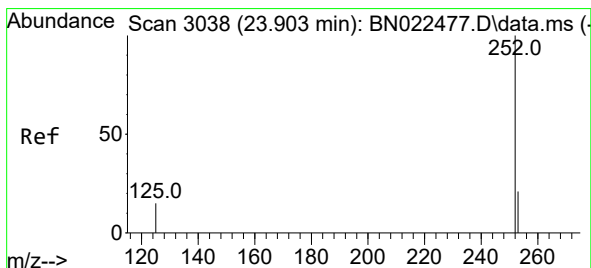
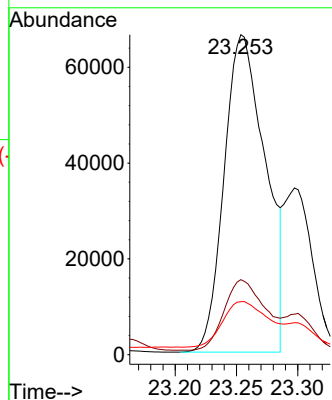


#37  
Benzo(b)fluoranthene  
Concen: 3.573 ng  
RT: 23.253 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

Instrument :  
BNA\_N  
ClientSampleId :  
S-6-103122DL

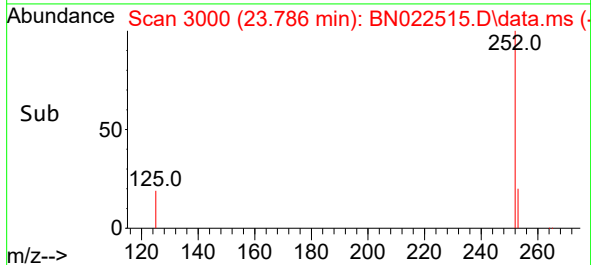
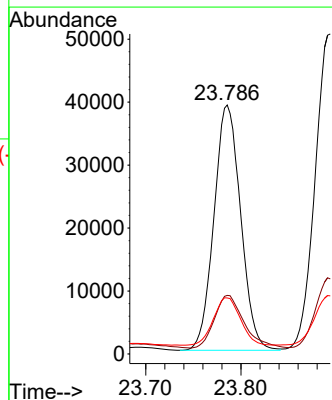
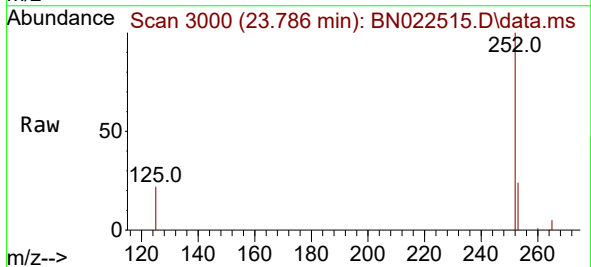


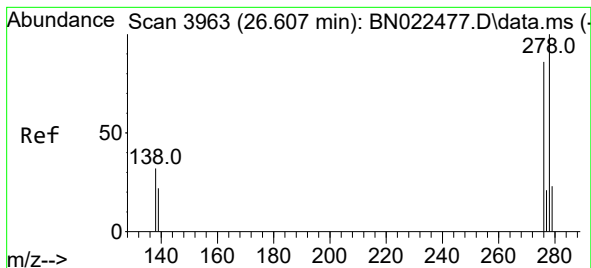
Tgt Ion:252 Resp: 155512  
Ion Ratio Lower Upper  
252 100  
253 23.4 21.1 31.7  
125 16.6 16.8 25.2#



#39  
Benzo(a)pyrene  
Concen: 2.041 ng  
RT: 23.786 min Scan# 3000  
Delta R.T. -0.117 min  
Lab File: BN022515.D  
Acq: 04 Nov 2022 19:38

Tgt Ion:252 Resp: 76083  
Ion Ratio Lower Upper  
252 100  
253 23.5 22.0 33.0  
125 22.5 19.8 29.8





#40

Dibenzo(a,h)anthracene

Concen: 0.404 ng

RT: 26.581 min Scan# 3956

Delta R.T. -0.027 min

Lab File: BN022515.D

Acq: 04 Nov 2022 19:38

Instrument :

BNA\_N

ClientSampleId :

S-6-103122DL

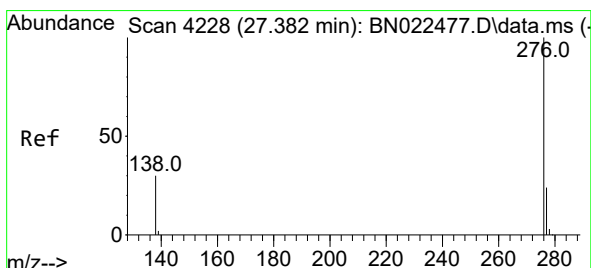
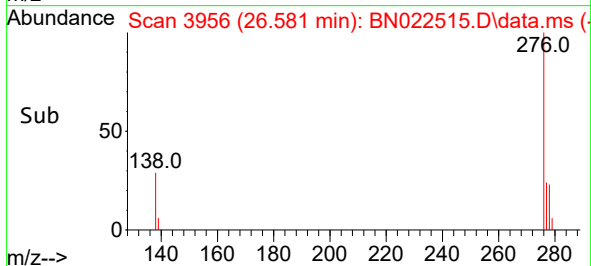
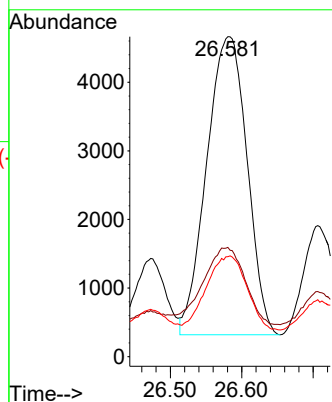
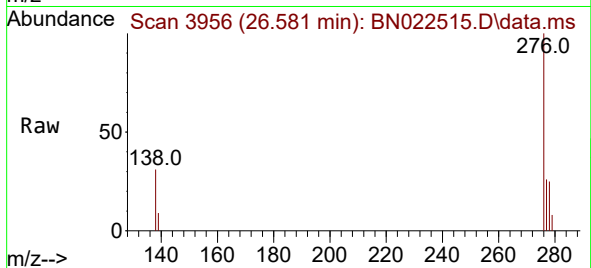
Tgt Ion:278 Resp: 17113

Ion Ratio Lower Upper

278 100

139 34.2 21.8 32.6#

279 31.2 21.5 32.3



#41

Benzo(g,h,i)perylene

Concen: 1.540 ng

RT: 27.361 min Scan# 4223

Delta R.T. -0.021 min

Lab File: BN022515.D

Acq: 04 Nov 2022 19:38

Tgt Ion:276 Resp: 69335

Ion Ratio Lower Upper

276 100

277 24.6 21.0 31.4

138 30.7 26.0 39.0

