

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122018\  
 Data File : BN004151.D  
 Acq On : 20 Dec 2018 15:37  
 Operator : JU/SJ  
 Sample : SSTDICC0.8  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Dec 20 16:28:51 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN122018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 20 16:25:43 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 1780     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.63 | 136  | 9715     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 6166     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.22 | 188  | 15064    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.40 | 240  | 15953    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.72 | 264  | 14738    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.41  | 112 | 4200  | 0.95 | ng | 0.00 |
| 5) Phenol-d6                | 7.00  | 99  | 5718  | 1.03 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.00  | 82  | 4970  | 1.17 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152 | 12951 | 0.82 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.97 | 330 | 2839  | 1.16 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.08 | 172 | 19152 | 0.72 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.24 | 212 | 35217 | 0.80 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.83 | 244 | 30790 | 0.83 | ng | 0.00 |

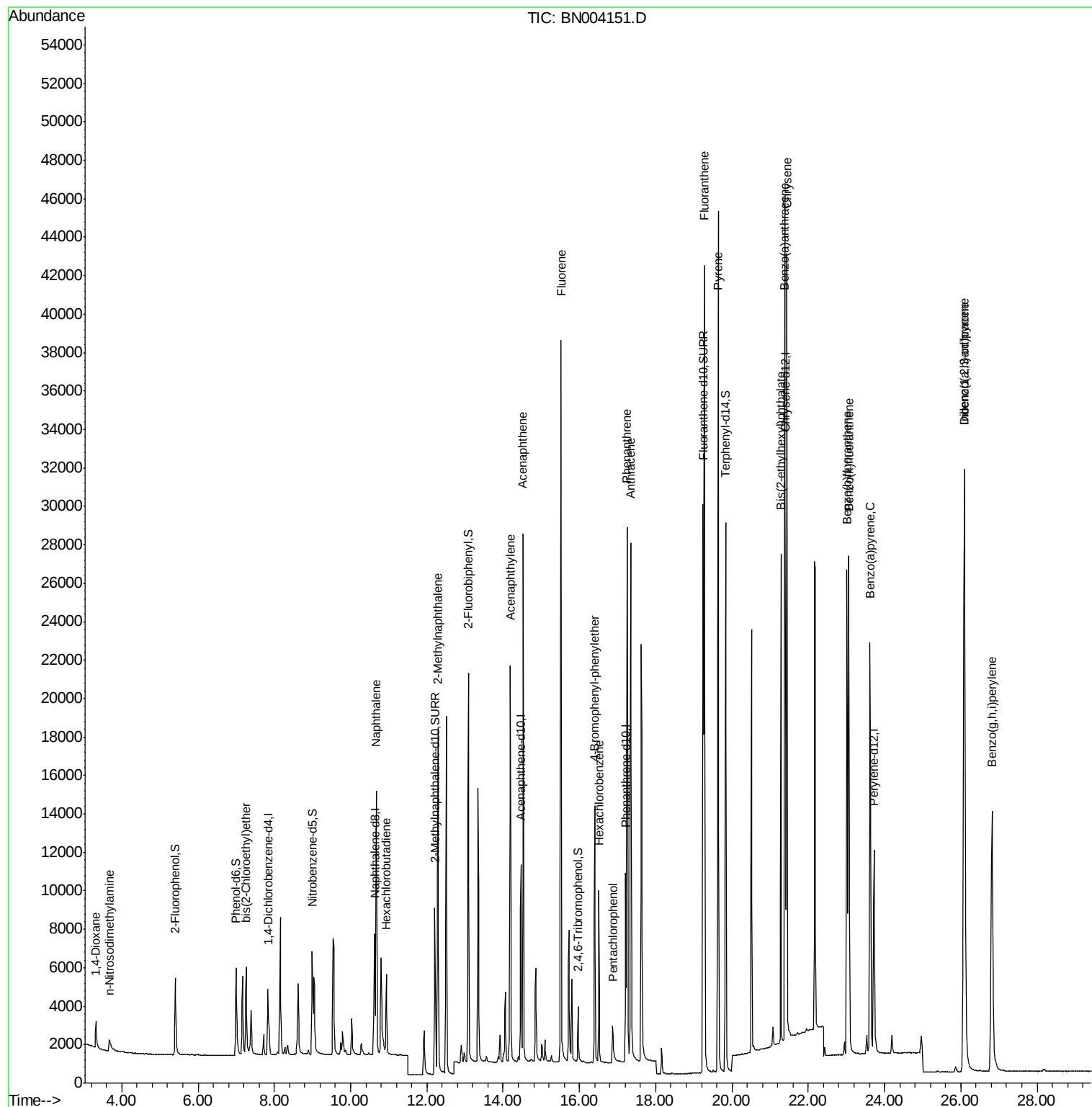
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.32  | 88  | 1221  | 0.530  | ng | 98    |
| 3) n-Nitrosodimethylamine      | 3.67  | 42  | 718   | 0.677  | ng | # 82  |
| 6) bis(2-Chloroethyl)ether     | 7.26  | 93  | 4239  | 0.854  | ng | 100   |
| 9) Naphthalene                 | 10.67 | 128 | 18939 | 0.797  | ng | 99    |
| 10) Hexachlorobutadiene        | 10.93 | 225 | 3210  | 0.739  | ng | # 100 |
| 12) 2-Methylnaphthalene        | 12.29 | 142 | 13929 | 0.839  | ng | 98    |
| 16) Acenaphthylene             | 14.19 | 152 | 23000 | 0.837  | ng | 100   |
| 17) Acenaphthene               | 14.52 | 154 | 15089 | 0.792  | ng | 98    |
| 18) Fluorene                   | 15.51 | 166 | 18986 | 0.796  | ng | 99    |
| 20) 4-Bromophenyl-phenylether  | 16.40 | 248 | 6767  | 0.775  | ng | # 86  |
| 21) Hexachlorobenzene          | 16.52 | 284 | 7621  | 0.828  | ng | 95    |
| 22) Pentachlorophenol          | 16.88 | 266 | 1346  | 0.540  | ng | 98    |
| 23) Phenanthrene               | 17.25 | 178 | 32939 | 0.797  | ng | 100   |
| 24) Anthracene                 | 17.34 | 178 | 30415 | 0.858  | ng | 100   |
| 26) Fluoranthene               | 19.27 | 202 | 38762 | 0.817  | ng | 99    |
| 28) Pyrene                     | 19.64 | 202 | 39689 | 0.900  | ng | 100   |
| 30) Benzo(a)anthracene         | 21.39 | 228 | 34561 | 0.827  | ng | 100   |
| 31) Chrysene                   | 21.44 | 228 | 36052 | 0.799  | ng | 100   |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 20126 | 1.627  | ng | 99    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.09 | 276 | 38143 | 0.817  | ng | 99    |
| 35) Benzo(b)fluoranthene       | 23.02 | 252 | 33822 | 0.736  | ng | # 95  |
| 36) Benzo(k)fluoranthene       | 23.07 | 252 | 35258 | 0.774  | ng | 100   |
| 37) Benzo(a)pyrene             | 23.62 | 252 | 31863 | 0.761  | ng | # 91  |
| 38) Dibenzo(a,h)anthracene     | 26.09 | 278 | 31895 | 0.818  | ng | 98    |
| 39) Benzo(g,h,i)perylene       | 26.82 | 276 | 31419 | 0.806  | ng | 98    |

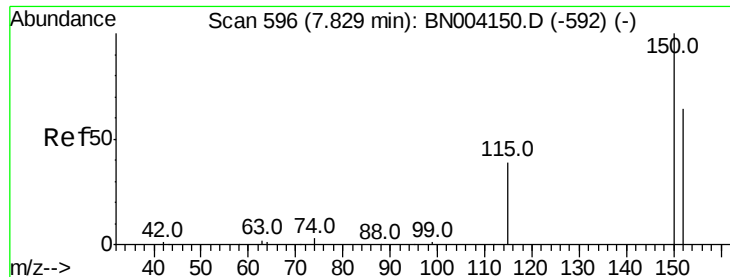
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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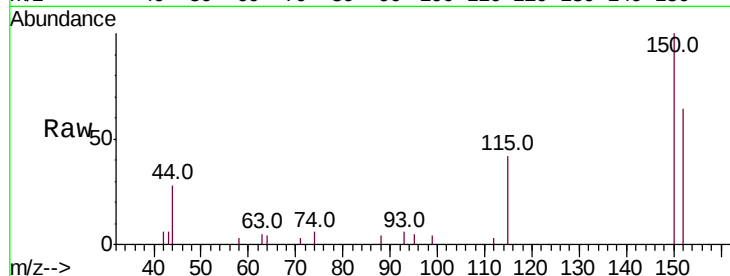


#1

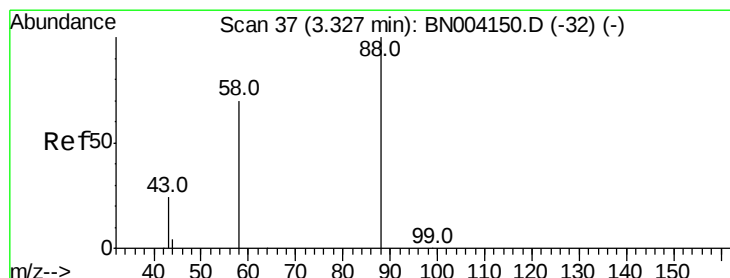
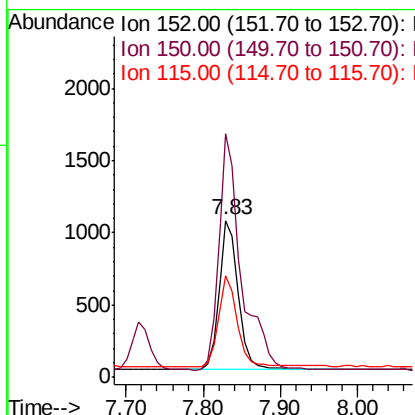
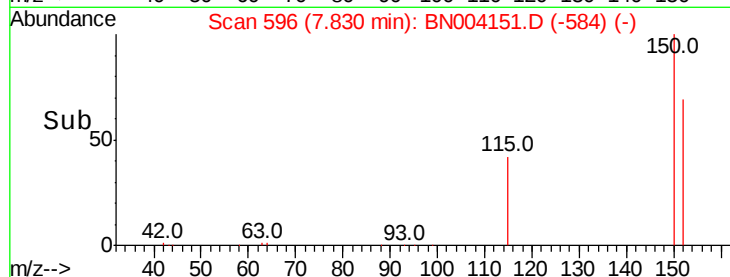
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.83 min Scan# 596  
Delta R.T. 0.00 min  
Lab File: BN004151.D  
Acq: 20 Dec 2018 15:37

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 1780  
Ion Ratio Lower Upper  
152 100  
150 155.4 124.6 187.0  
115 64.9 46.4 69.6



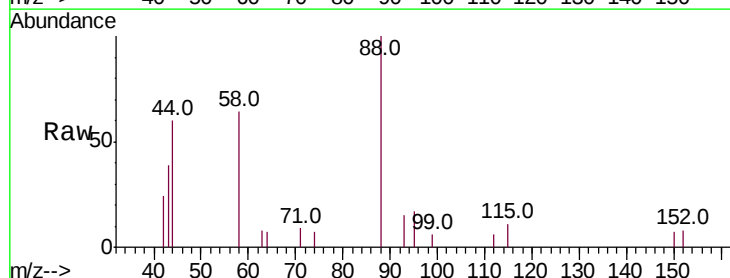
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



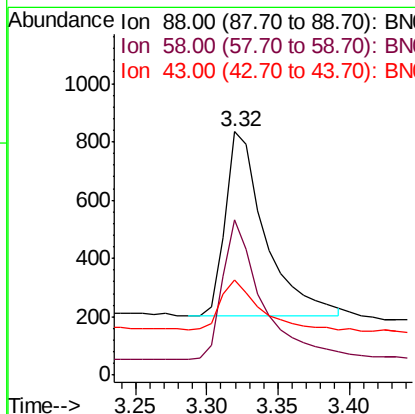
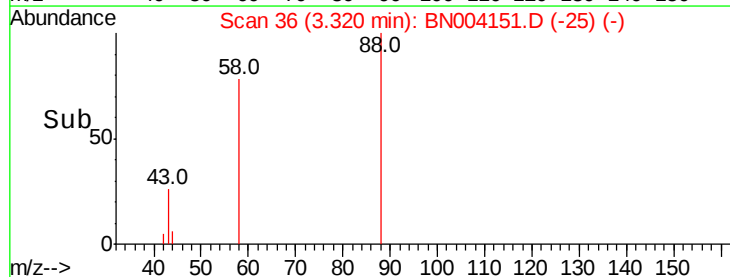
#2

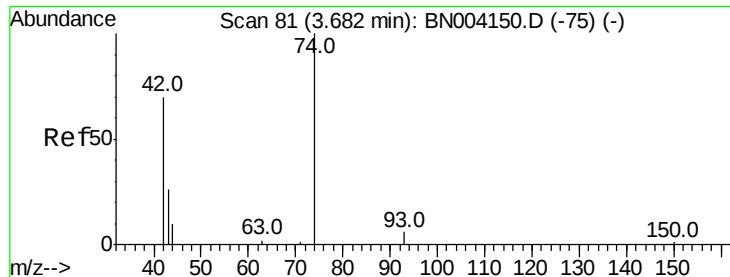
1,4-Dioxane  
Concen: 0.530 ng  
RT: 3.32 min Scan# 36  
Delta R.T. -0.01 min  
Lab File: BN004151.D  
Acq: 20 Dec 2018 15:37

Tgt Ion: 88 Resp: 1221  
Ion Ratio Lower Upper  
88 100  
58 75.8 60.9 91.3  
43 27.1 23.9 35.9



Abundance Ion 88.00 (87.70 to 88.70): BNC  
Ion 58.00 (57.70 to 58.70): BNC  
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.677 ng

RT: 3.67 min Scan# 80

Delta R.T. -0.01 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

Instrument :

BNA\_N

ClientSampleId :

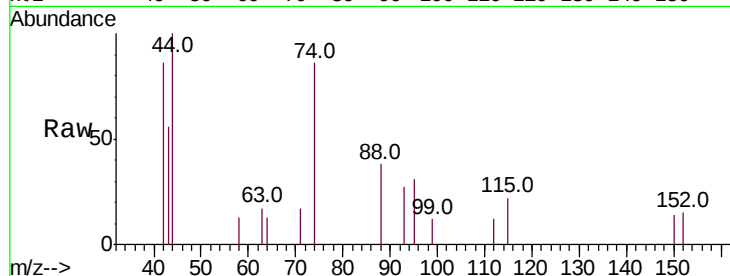
Tot Ion: 42 Resp: 718

Ion Ratio Lower Upper

42 100

74 145.3 99.1 148.7

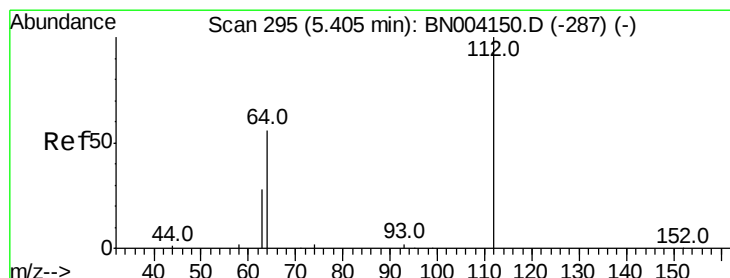
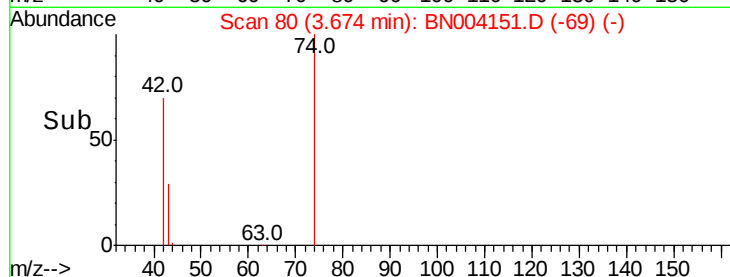
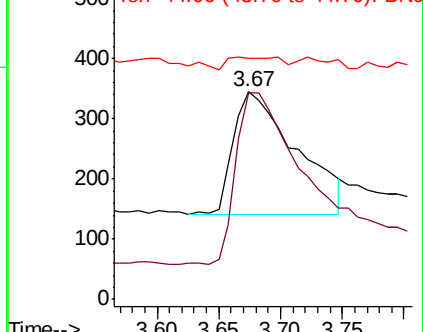
44 8.4 4.2 6.4#



Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.953 ng

RT: 5.41 min Scan# 295

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

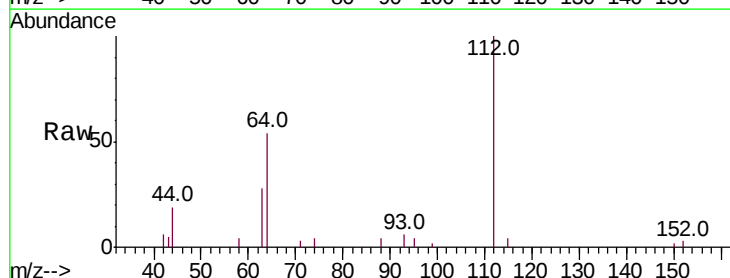
Tgt Ion: 112 Resp: 4200

Ion Ratio Lower Upper

112 100

64 56.0 44.3 66.5

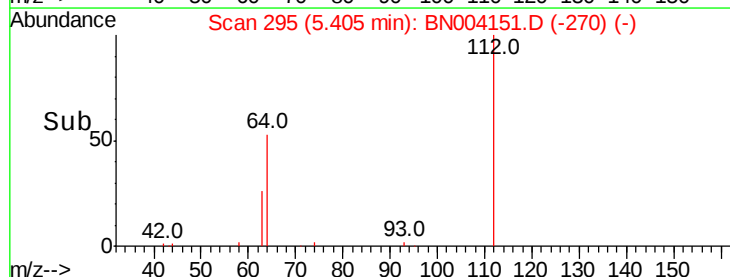
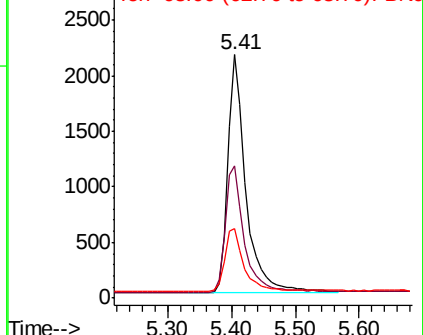
63 27.8 22.4 33.6

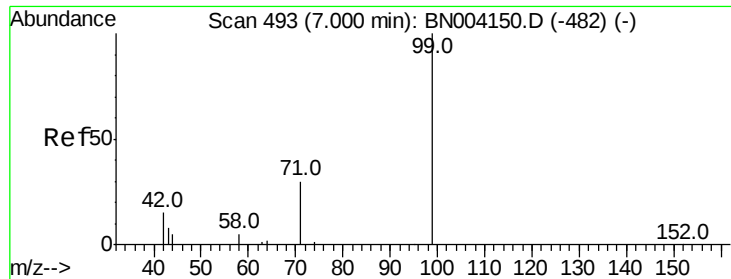


Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 1.027 ng

RT: 7.00 min Scan# 493

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

Instrument :

BNA\_N

ClientSampleId :

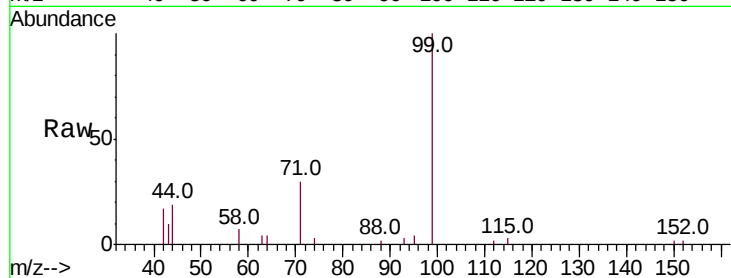
Tot Ion: 99 Resp: 5718

Ion Ratio Lower Upper

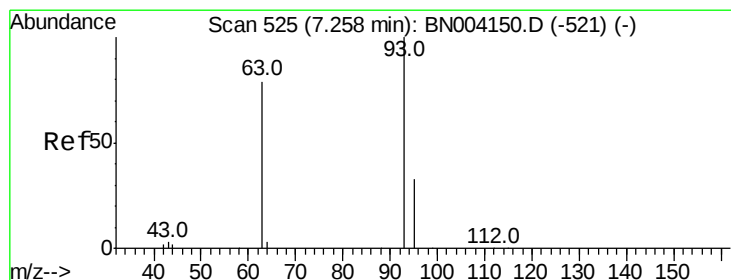
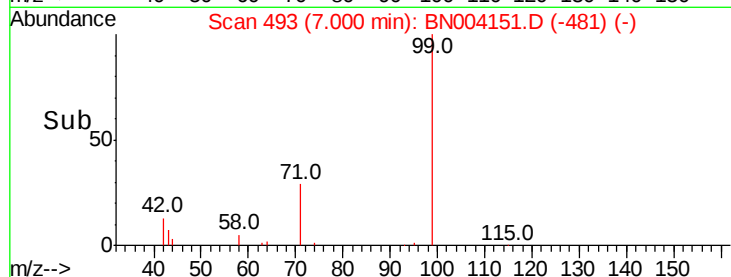
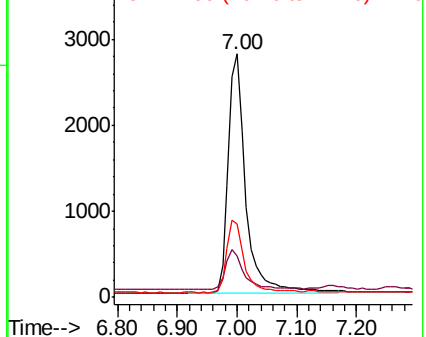
99 100

42 17.1 14.8 22.2

71 30.3 24.8 37.2



Abundance Ion 99.00 (98.70 to 99.70): BNC  
Ion 42.00 (41.70 to 42.70): BNC  
Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.854 ng

RT: 7.26 min Scan# 525

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

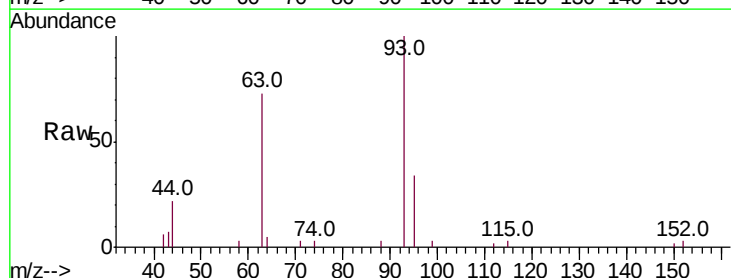
Tgt Ion: 93 Resp: 4239

Ion Ratio Lower Upper

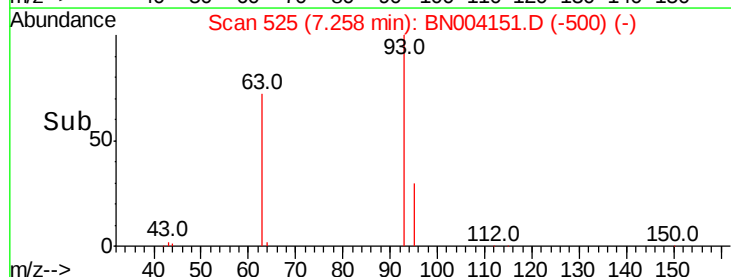
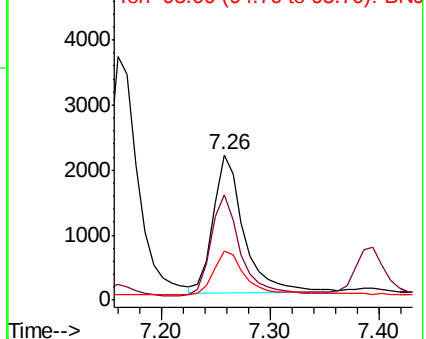
93 100

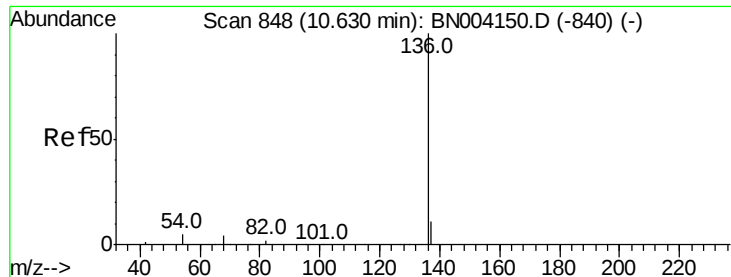
63 69.7 55.8 83.6

95 31.8 25.4 38.2



Abundance Ion 93.00 (92.70 to 93.70): BNC  
Ion 63.00 (62.70 to 63.70): BNC  
Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 848

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:136 Resp: 9715

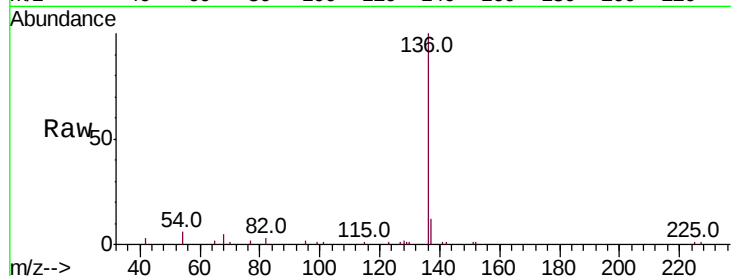
Ion Ratio Lower Upper

136 100

137 11.7 9.0 13.4

54 5.7 4.1 6.1

68 5.3 3.5 5.3

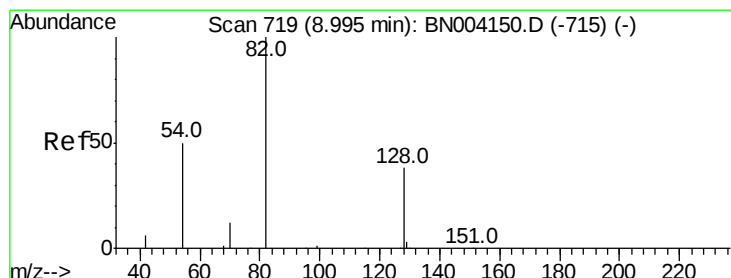
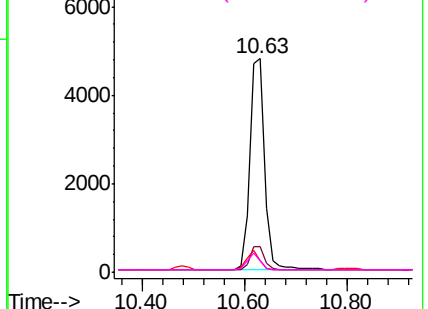
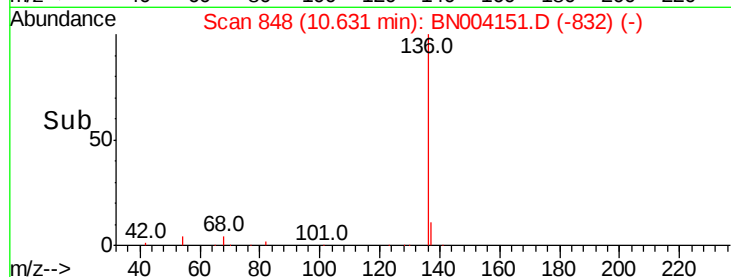


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 1.168 ng

RT: 9.00 min Scan# 719

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

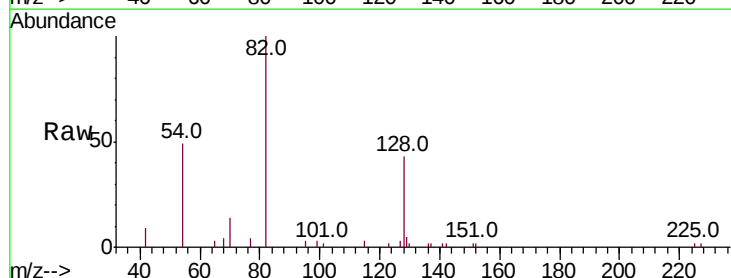
Tgt Ion: 82 Resp: 4970

Ion Ratio Lower Upper

82 100

128 43.0 28.9 43.3

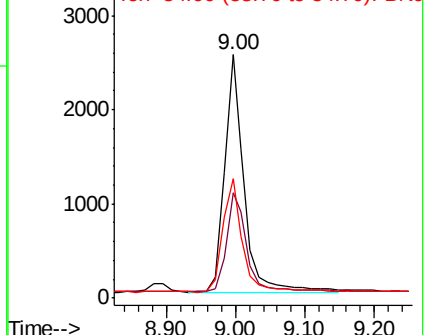
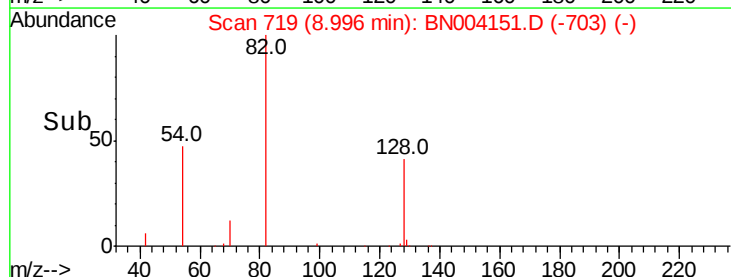
54 48.8 46.1 69.1

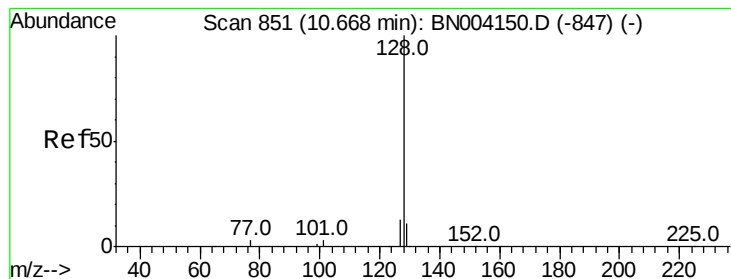


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.797 ng

RT: 10.67 min Scan# 851

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

Instrument :

BNA\_N

ClientSampleId :

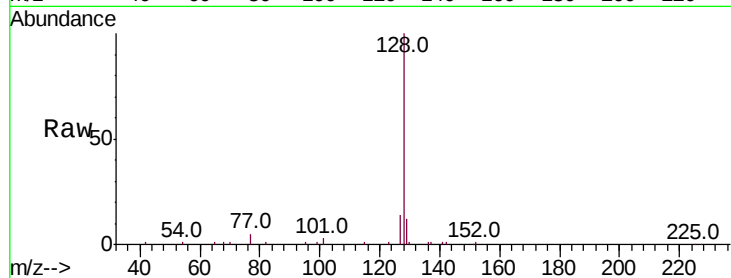
Tot Ion:128 Resp: 18939

Ion Ratio Lower Upper

128 100

129 11.5 9.1 13.7

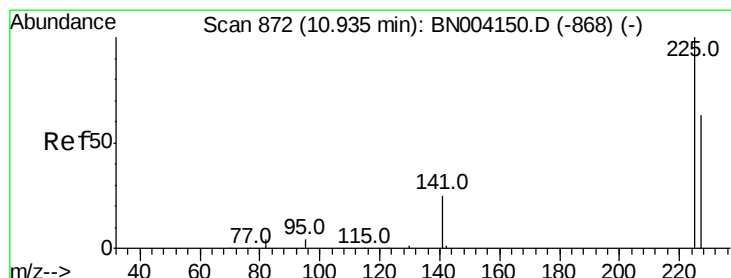
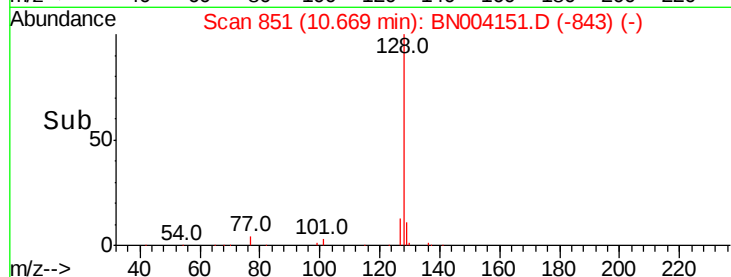
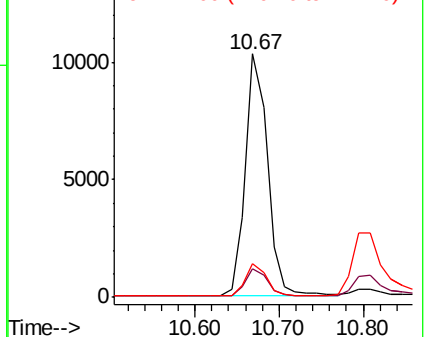
127 13.6 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.739 ng

RT: 10.93 min Scan# 872

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

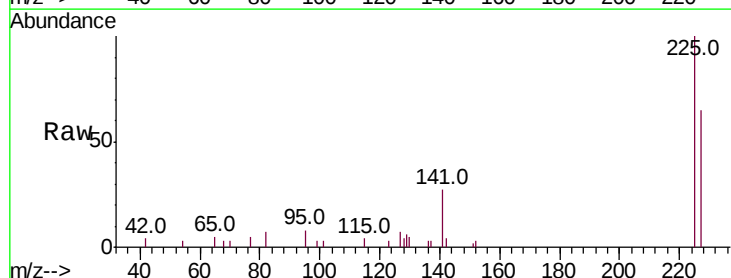
Tgt Ion:225 Resp: 3210

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

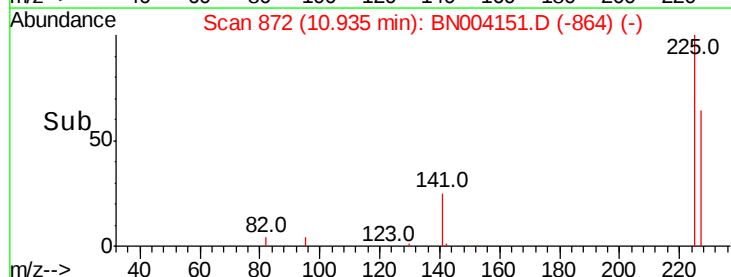
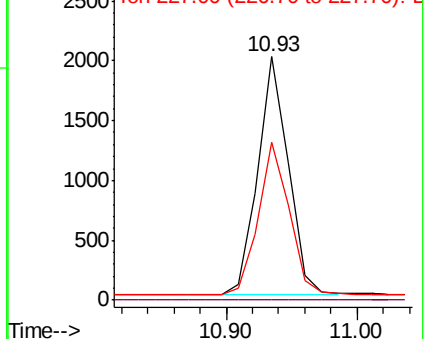
227 64.3 51.3 76.9

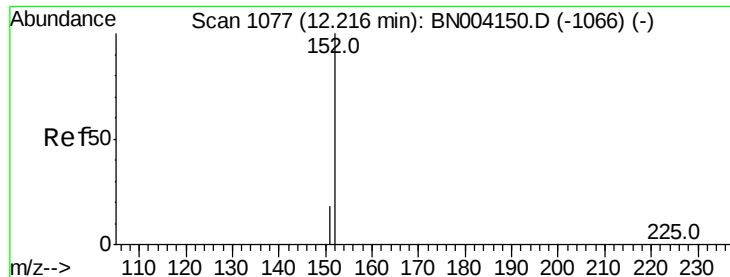


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

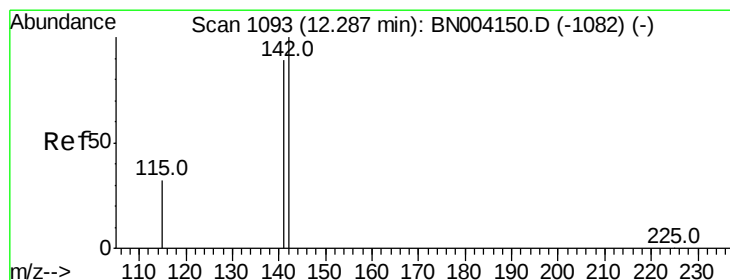
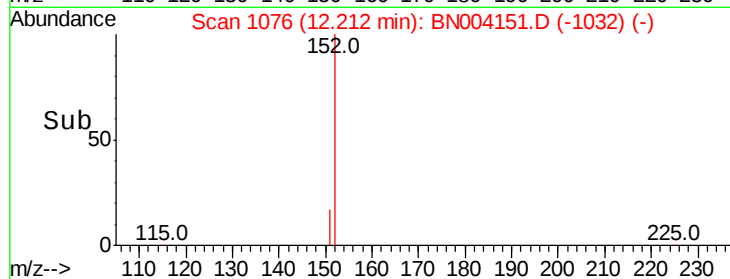
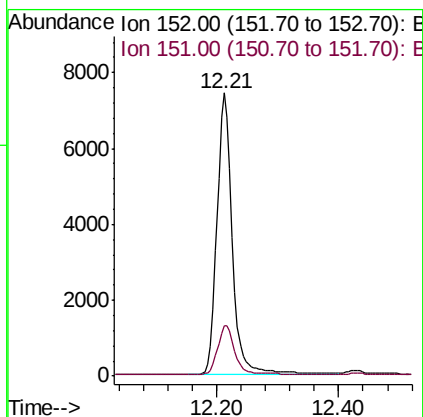
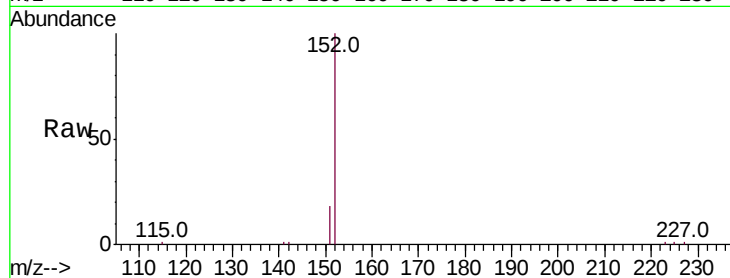




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.819 ng  
 RT: 12.21 min Scan# 1076  
 Delta R.T. -0.00 min  
 Lab File: BN004151.D  
 Acq: 20 Dec 2018 15:37

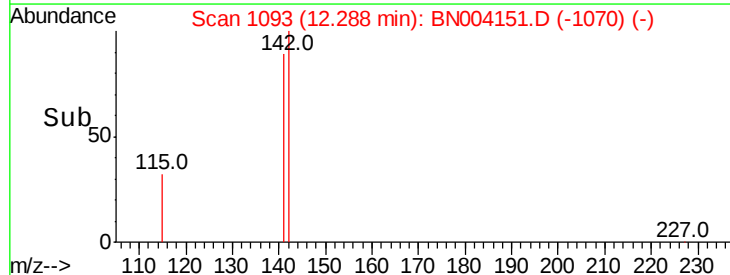
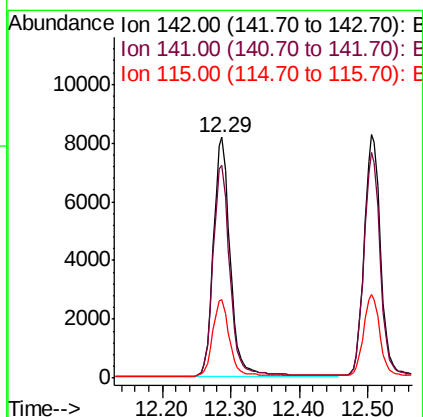
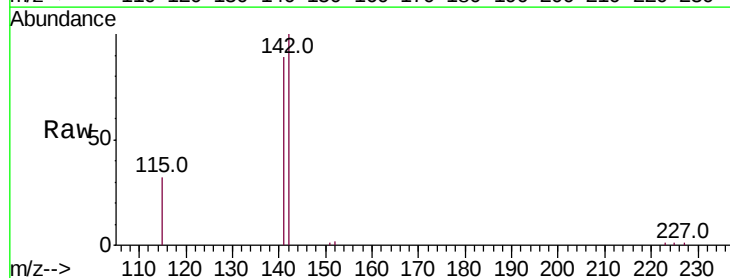
Instrument :  
 BNA\_N  
 ClientSampleId :

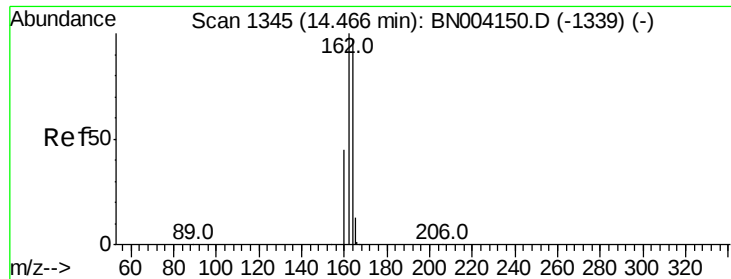
Tot Ion:152 Resp: 12951  
 Ion Ratio Lower Upper  
 152 100  
 151 19.2 15.1 22.7



#12  
 2-Methylnaphthalene  
 Concen: 0.839 ng  
 RT: 12.29 min Scan# 1093  
 Delta R.T. 0.00 min  
 Lab File: BN004151.D  
 Acq: 20 Dec 2018 15:37

Tgt Ion:142 Resp: 13929  
 Ion Ratio Lower Upper  
 142 100  
 141 88.6 71.9 107.9  
 115 32.5 27.0 40.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

Instrument :

BNA\_N

ClientSampled :

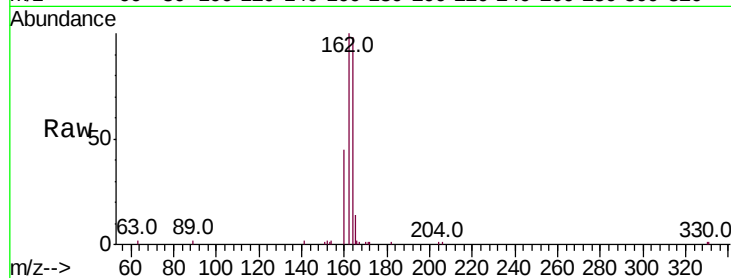
Tot Ion:164 Resp: 6166

Ion Ratio Lower Upper

164 100

162 102.2 81.8 122.6

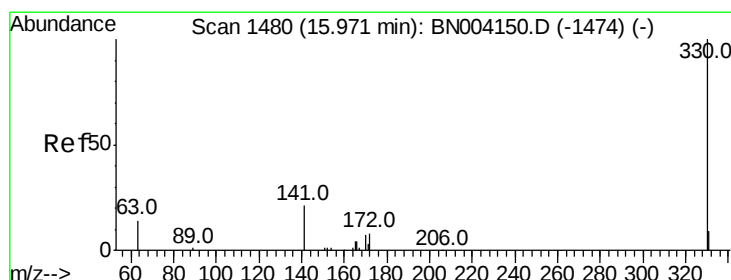
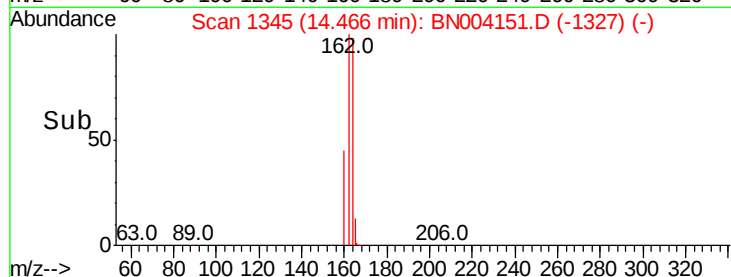
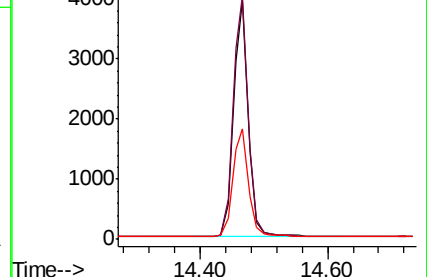
160 46.2 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 1.157 ng

RT: 15.97 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

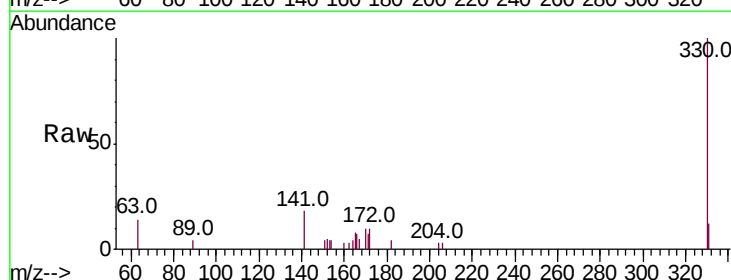
Tgt Ion:330 Resp: 2839

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

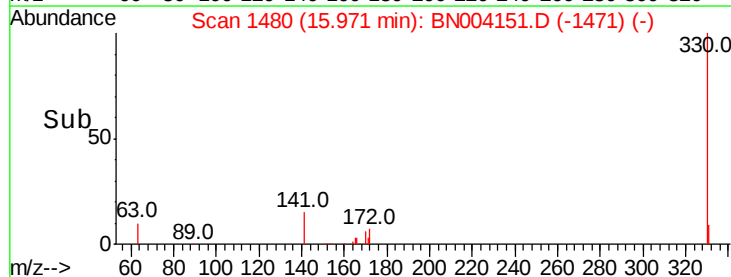
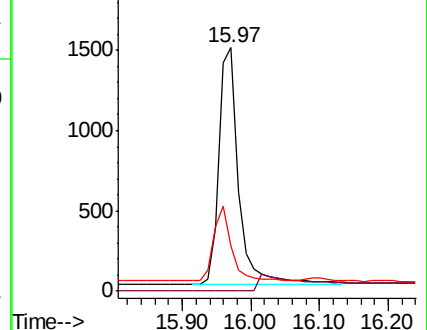
141 28.5 28.3 42.5

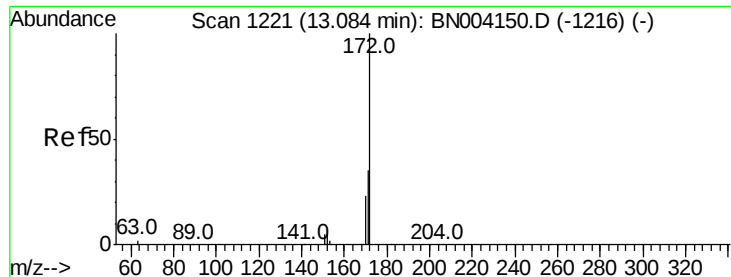


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

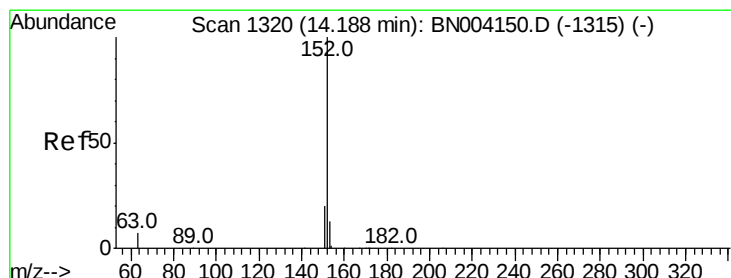
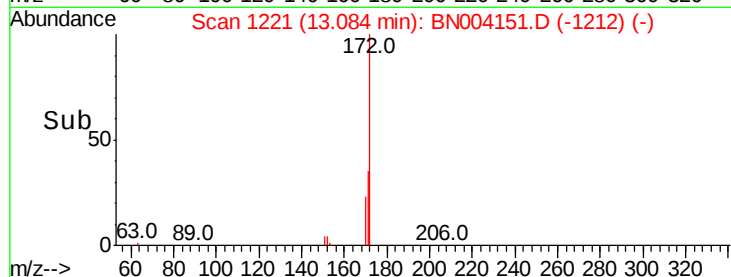
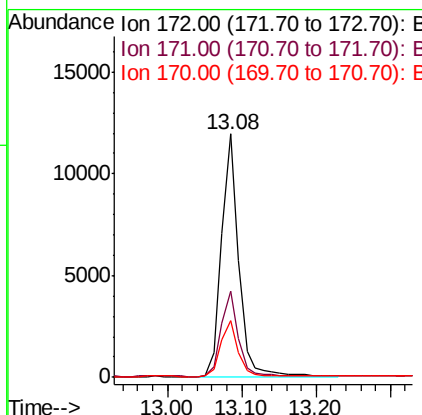
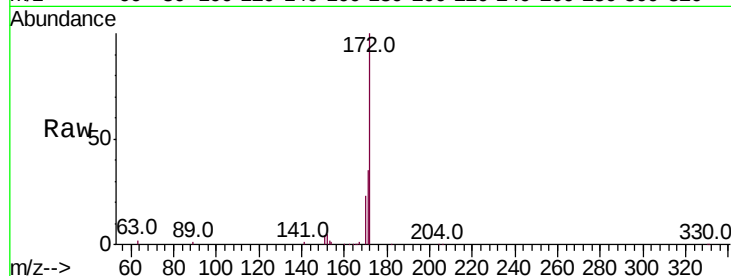




#15  
2-Fluorobiphenyl  
Concen: 0.722 ng  
RT: 13.08 min Scan# 1221  
Delta R.T. 0.00 min  
Lab File: BN004151.D  
Acq: 20 Dec 2018 15:37

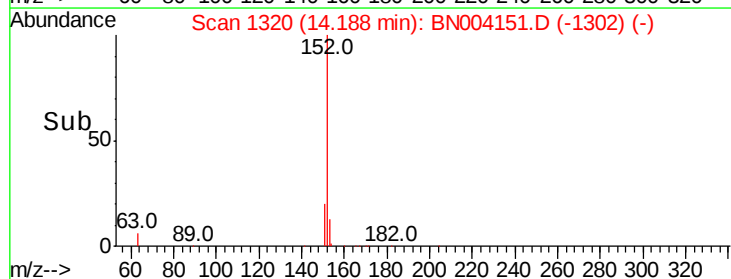
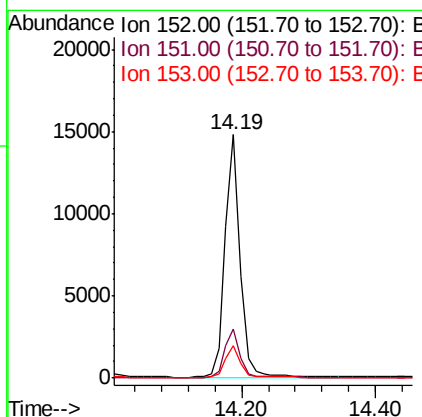
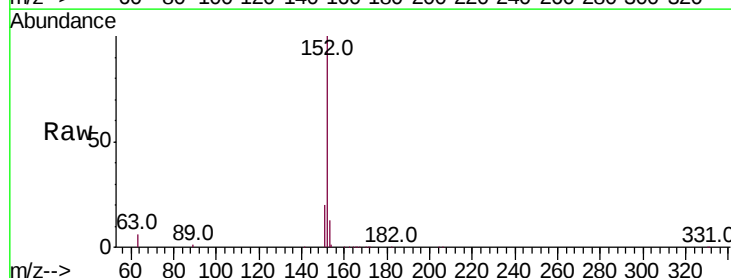
Instrument :  
BNA\_N  
ClientSampleId :

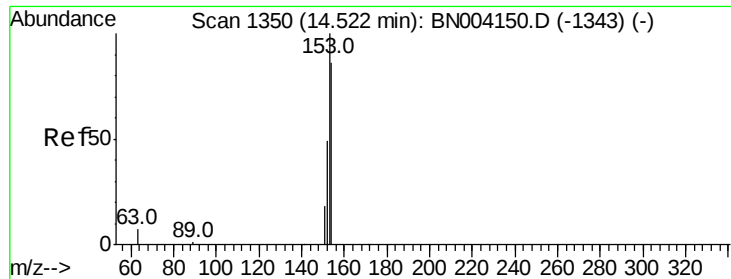
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 27.1  | 40.7  |
| 170     | 23.1  | 17.4  | 26.0  |



#16  
Acenaphthylene  
Concen: 0.837 ng  
RT: 14.19 min Scan# 1320  
Delta R.T. 0.00 min  
Lab File: BN004151.D  
Acq: 20 Dec 2018 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.8  | 15.7  | 23.5  |
| 153     | 13.0  | 10.6  | 15.8  |





#17

Acenaphthene

Concen: 0.792 ng

RT: 14.52 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

Instrument :

BNA\_N

ClientSampleId :

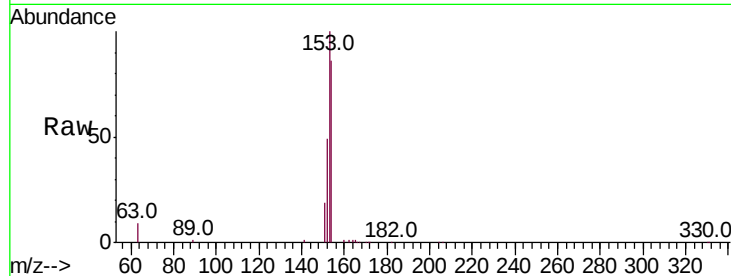
Tot Ion:154 Resp: 15089

Ion Ratio Lower Upper

154 100

153 113.5 88.9 133.3

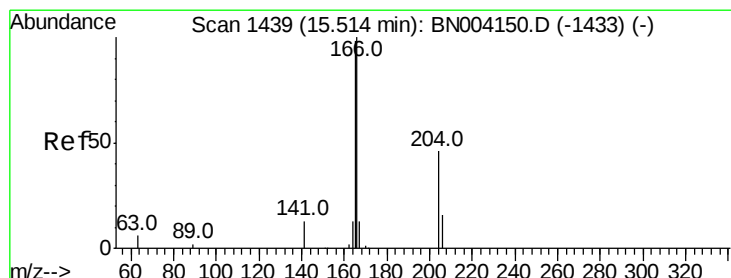
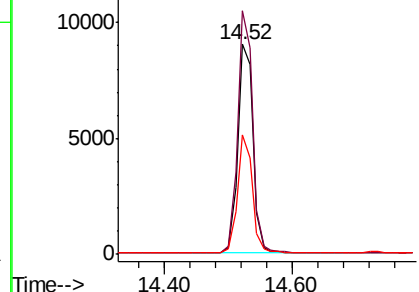
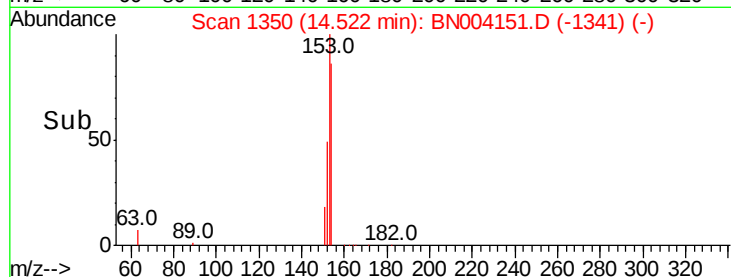
152 54.3 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.796 ng

RT: 15.51 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

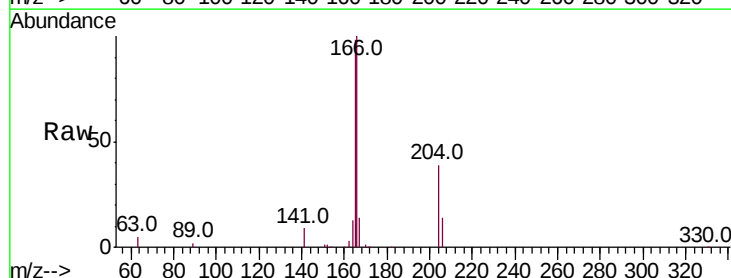
Tgt Ion:166 Resp: 18986

Ion Ratio Lower Upper

166 100

165 98.4 77.8 116.8

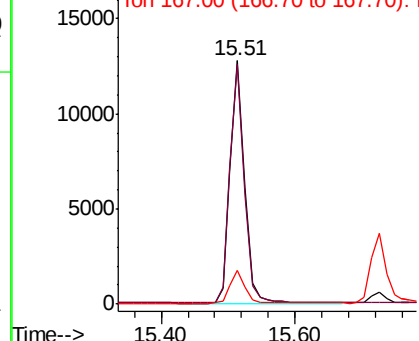
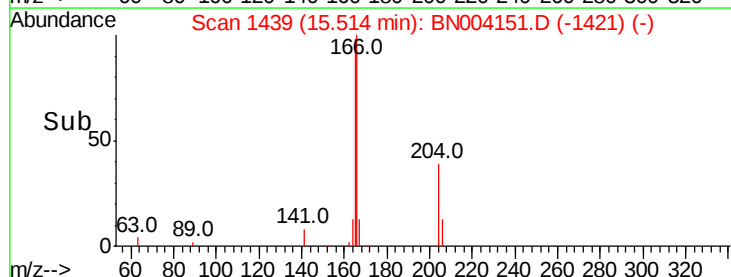
167 13.7 10.9 16.3

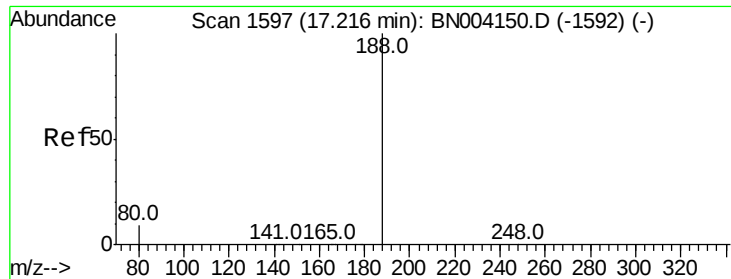


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.22 min Scan# 1597

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

Instrument :

BNA\_N

ClientSampleId :

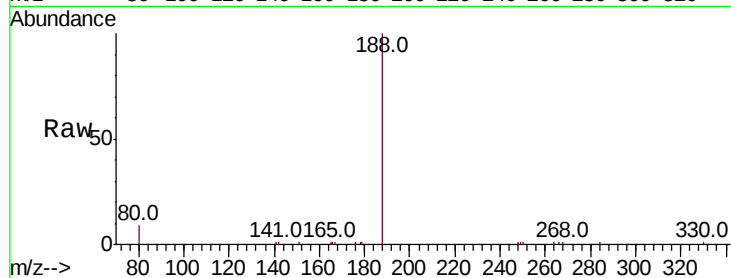
Tot Ion:188 Resp: 15064

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

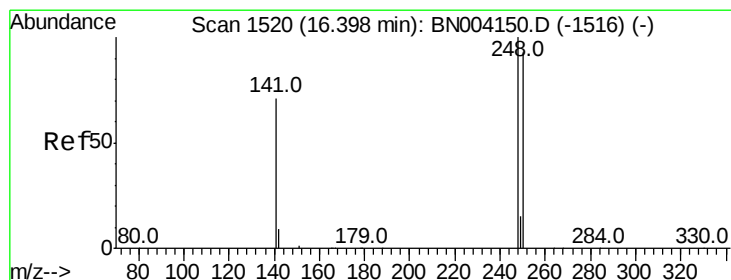
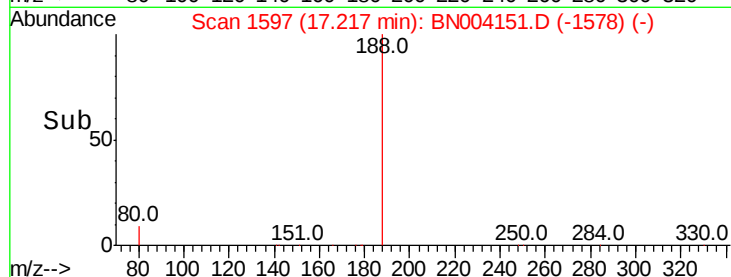
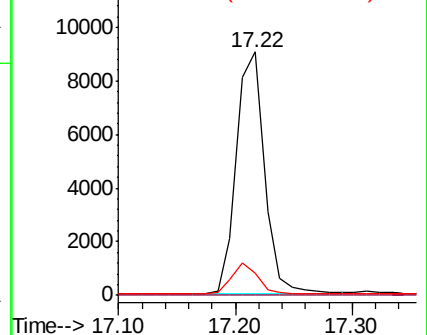
80 9.2 8.6 12.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.775 ng

RT: 16.40 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

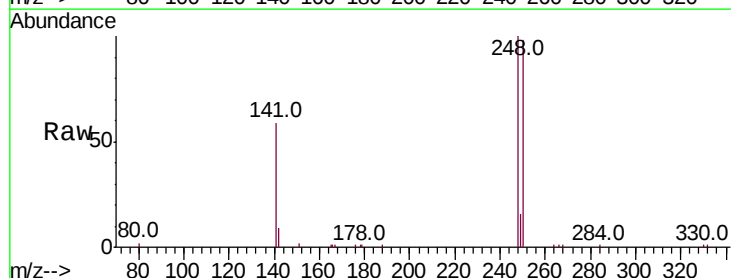
Tgt Ion:248 Resp: 6767

Ion Ratio Lower Upper

248 100

250 97.5 83.7 125.5

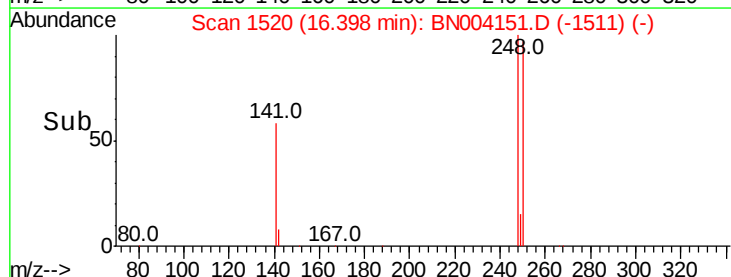
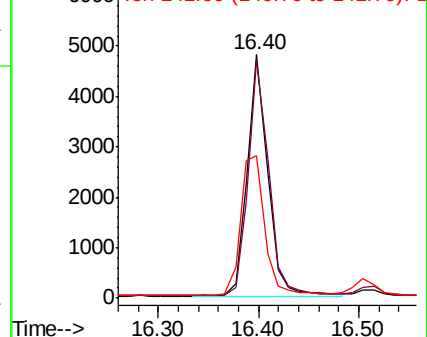
141 58.6 31.4 47.0#

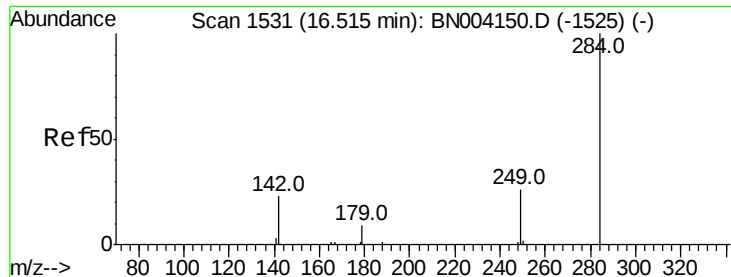


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

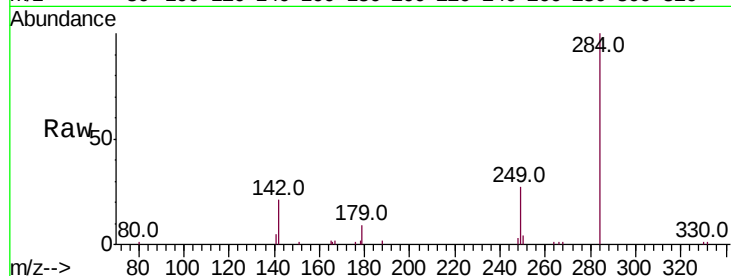




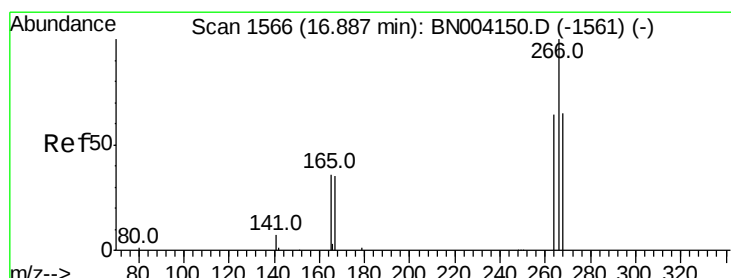
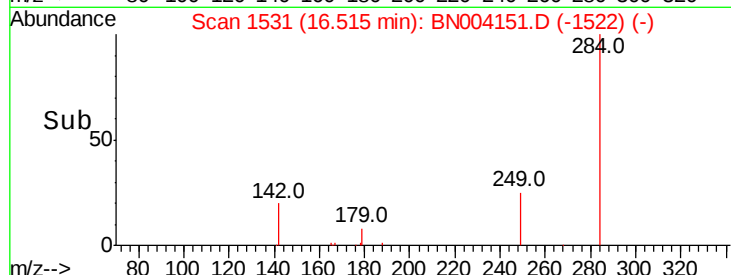
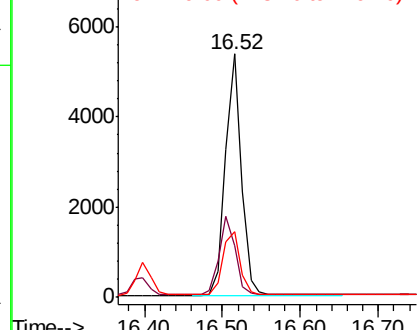
#21  
Hexachlorobenzene  
Concen: 0.828 ng  
RT: 16.52 min Scan# 1531  
Delta R.T. 0.00 min  
Lab File: BN004151.D  
Acq: 20 Dec 2018 15:37

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:284 Resp: 7621  
Ion Ratio Lower Upper  
284 100  
142 32.9 29.7 44.5  
249 28.6 24.0 36.0

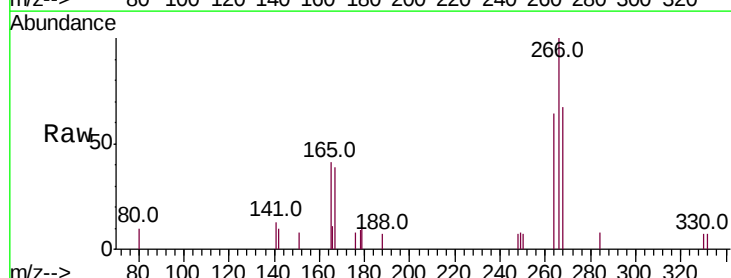


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

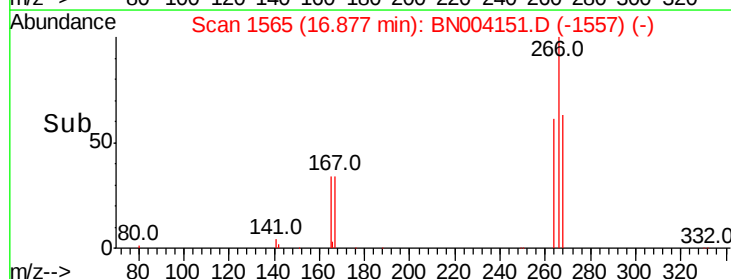
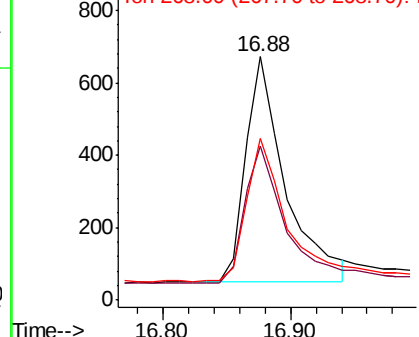


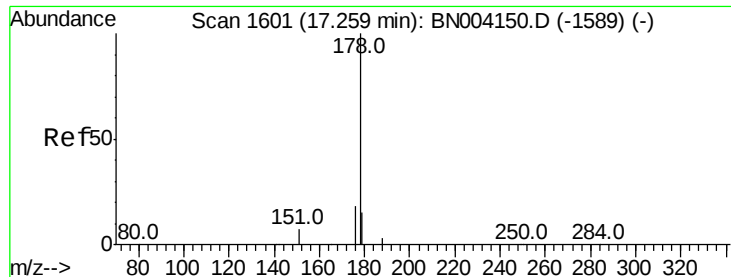
#22  
Pentachlorophenol  
Concen: 0.540 ng  
RT: 16.88 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: BN004151.D  
Acq: 20 Dec 2018 15:37

Tgt Ion:266 Resp: 1346  
Ion Ratio Lower Upper  
266 100  
264 63.5 52.1 78.1  
268 66.5 51.8 77.6



Abundance Ion 266.00 (265.70 to 266.70): E  
Ion 264.00 (263.70 to 264.70): E  
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.797 ng

RT: 17.25 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

Instrument :

BNA\_N

ClientSampleId :

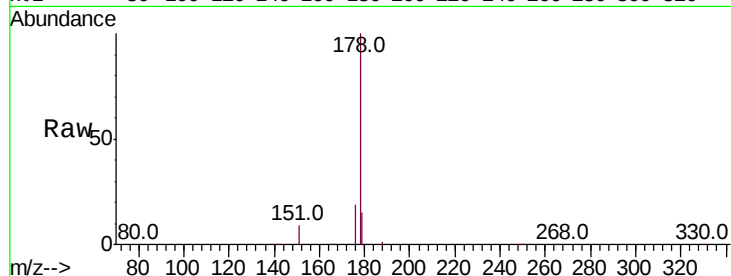
Tot Ion:178 Resp: 32939

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

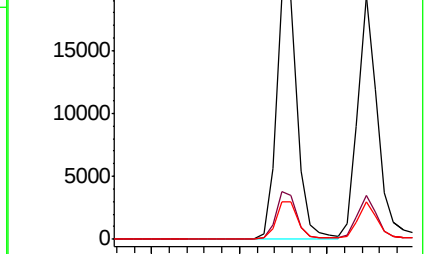
179 15.2 12.4 18.6



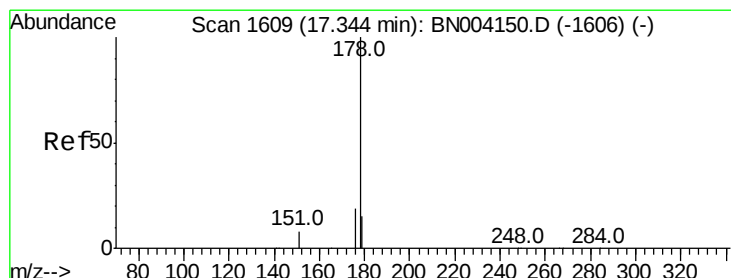
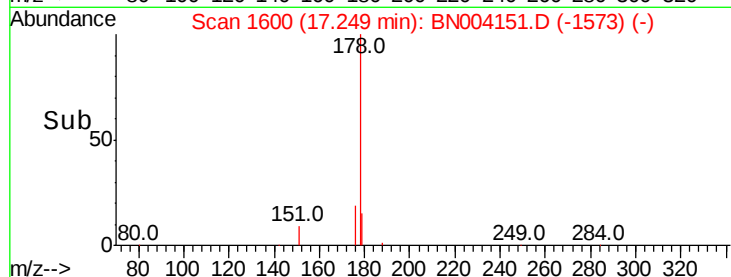
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.858 ng

RT: 17.34 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

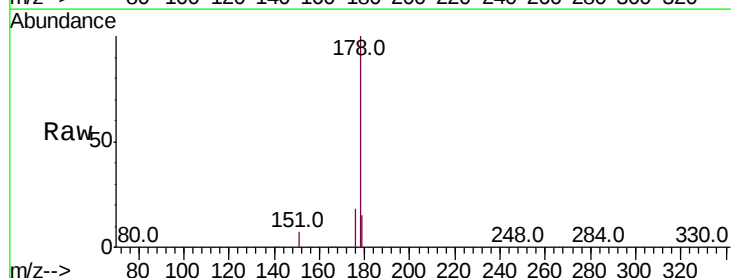
Tgt Ion:178 Resp: 30415

Ion Ratio Lower Upper

178 100

176 18.1 14.5 21.7

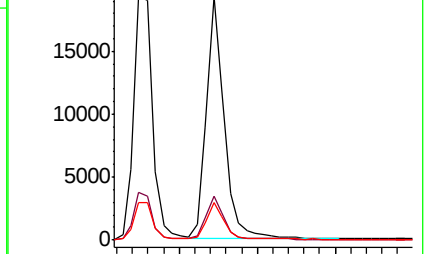
179 15.3 12.2 18.4



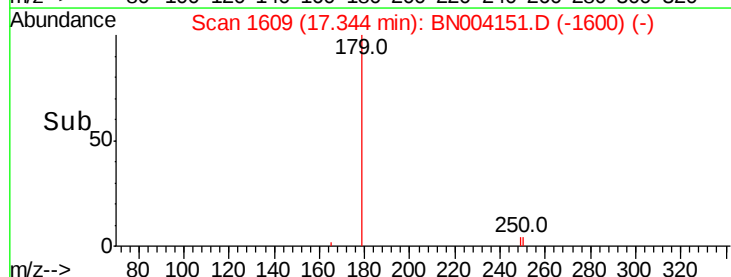
Abundance Ion 178.00 (177.70 to 178.70): E

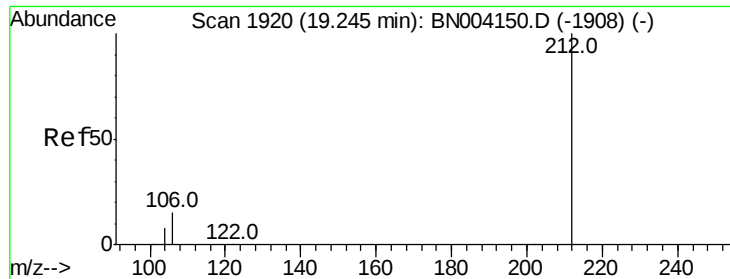
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

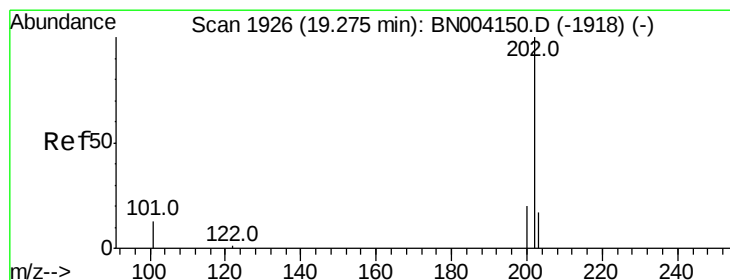
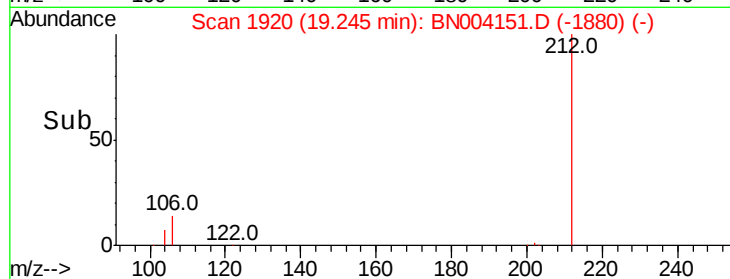
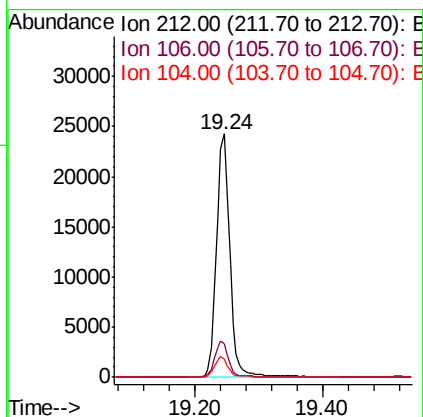
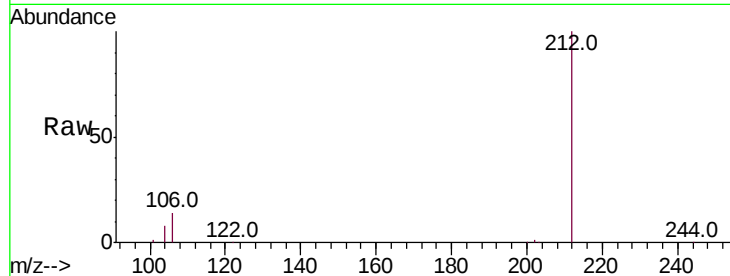




#25  
Fluoranthene-d10  
Concen: 0.804 ng  
RT: 19.24 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: BN004151.D  
Acq: 20 Dec 2018 15:37

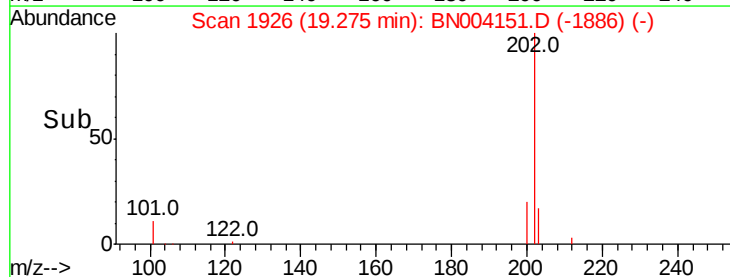
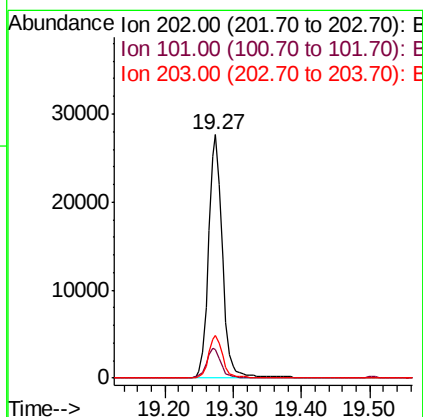
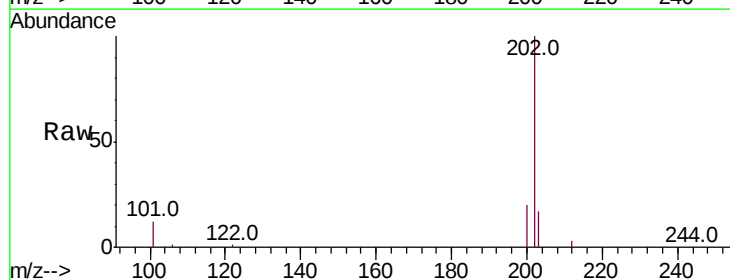
Instrument :  
BNA\_N  
ClientSampleId :

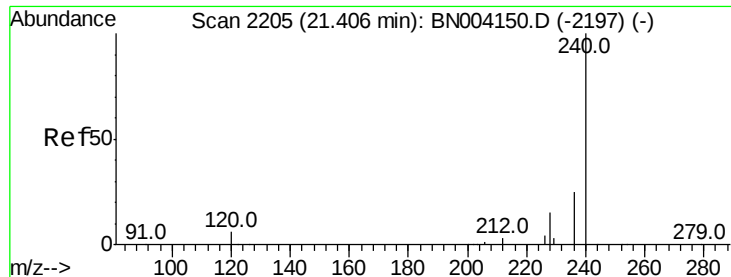
Tot Ion:212 Resp: 35217  
Ion Ratio Lower Upper  
212 100  
106 14.7 10.3 15.5  
104 8.2 5.6 8.4



#26  
Fluoranthene  
Concen: 0.817 ng  
RT: 19.27 min Scan# 1926  
Delta R.T. 0.00 min  
Lab File: BN004151.D  
Acq: 20 Dec 2018 15:37

Tgt Ion:202 Resp: 38762  
Ion Ratio Lower Upper  
202 100  
101 12.3 9.0 13.4  
203 17.2 13.8 20.6

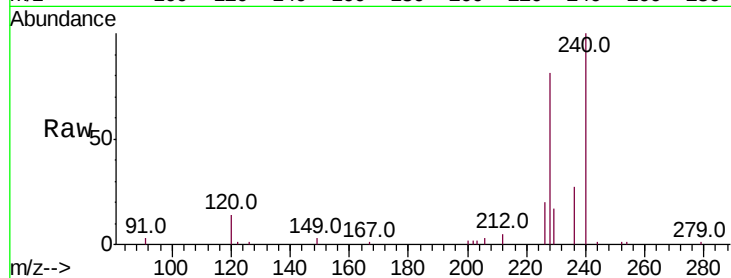




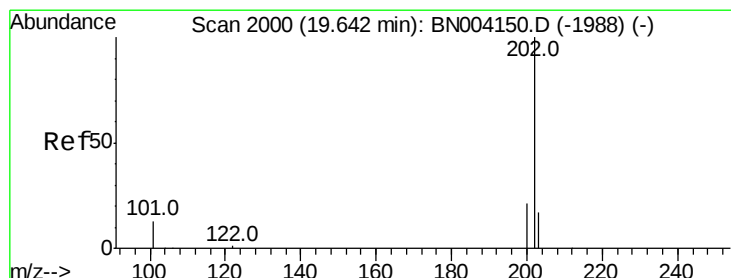
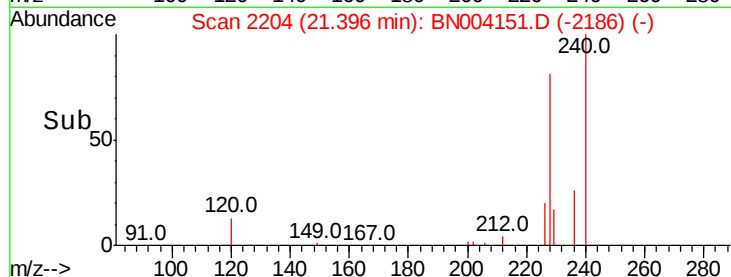
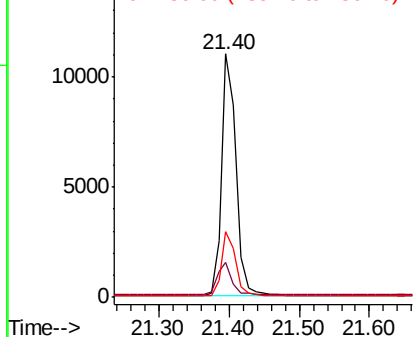
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.40 min Scan# 2204  
Delta R.T. -0.01 min  
Lab File: BN004151.D  
Acq: 20 Dec 2018 15:37

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:240 Resp: 15953  
Ion Ratio Lower Upper  
240 100  
120 14.4 9.3 13.9#  
236 27.0 21.0 31.4

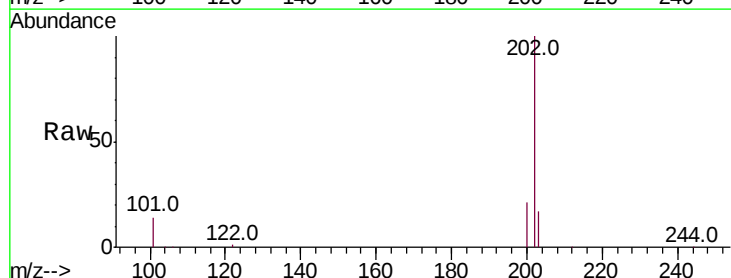


Abundance Ion 240.00 (239.70 to 240.70): E  
15000 Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

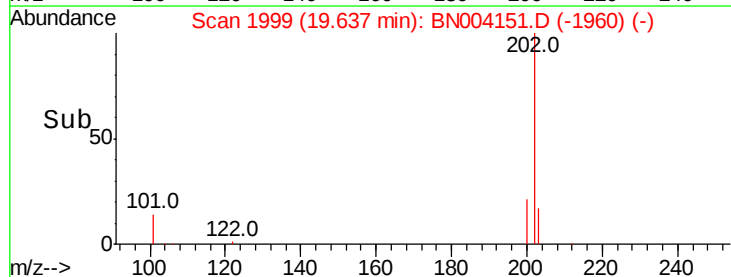
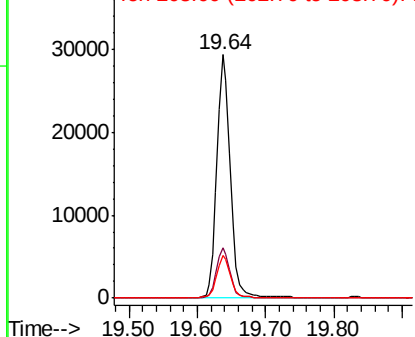


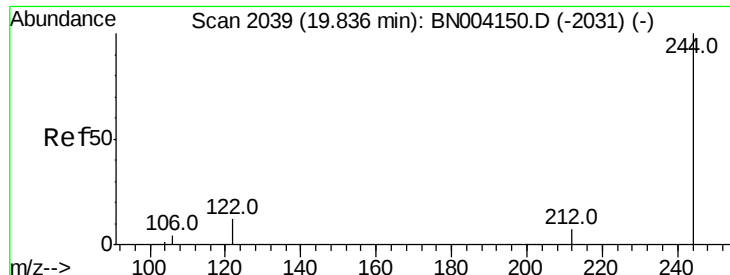
#28  
Pyrene  
Concen: 0.900 ng  
RT: 19.64 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: BN004151.D  
Acq: 20 Dec 2018 15:37

Tgt Ion:202 Resp: 39689  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.5 24.7  
203 17.5 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E  
40000 Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.830 ng

RT: 19.83 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

Instrument :

BNA\_N

ClientSampleId :

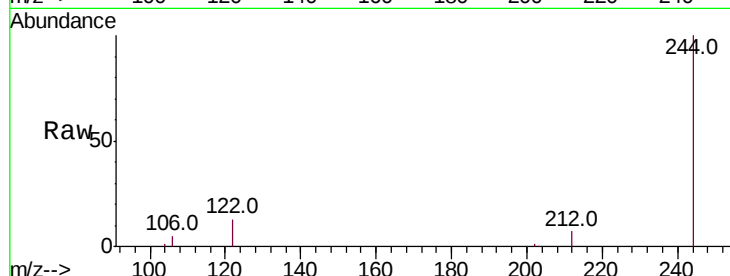
Tot Ion:244 Resp: 30790

Ion Ratio Lower Upper

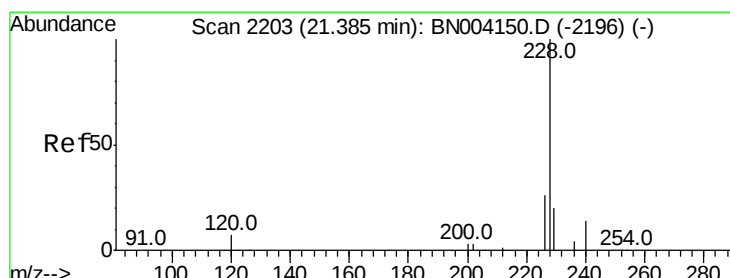
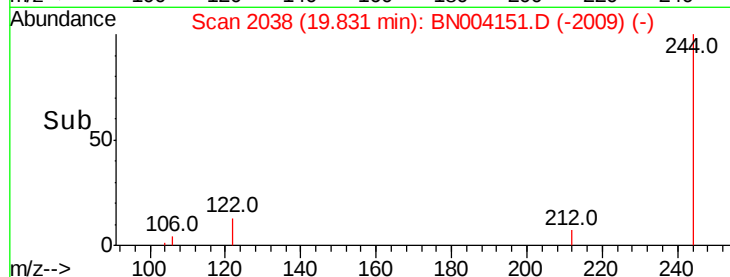
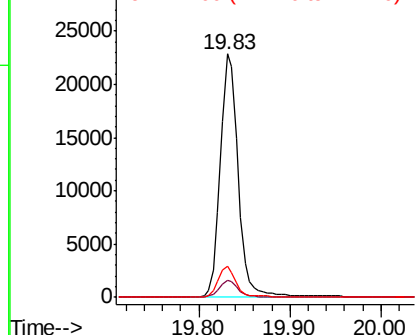
244 100

212 6.9 5.6 8.4

122 12.8 8.5 12.7#



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.827 ng

RT: 21.39 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

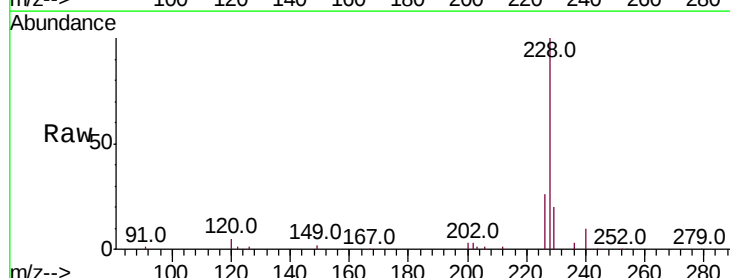
Tgt Ion:228 Resp: 34561

Ion Ratio Lower Upper

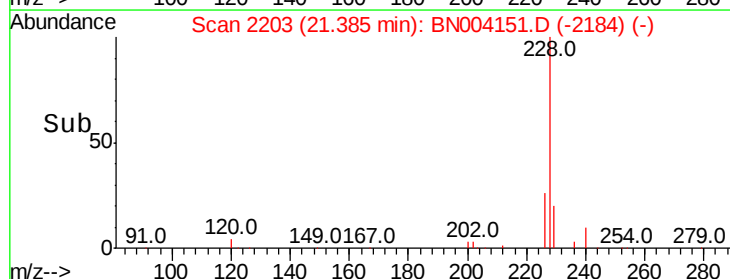
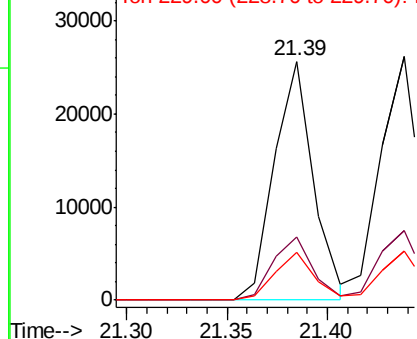
228 100

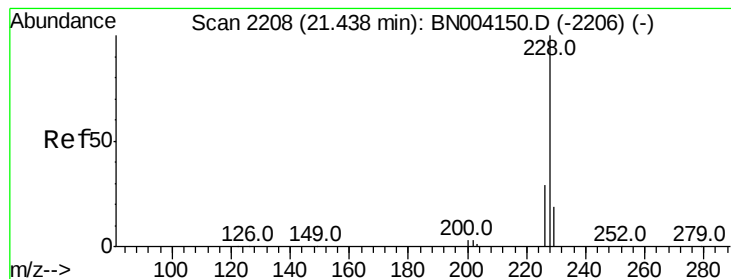
226 26.2 20.8 31.2

229 20.0 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.799 ng

RT: 21.44 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

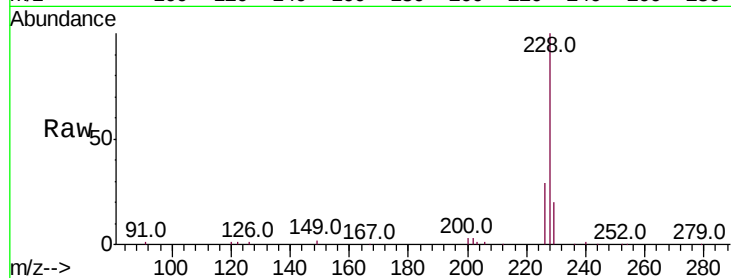
Instrument :

BNA\_N

ClientSampleId :

Tot Ion:228 Resp: 36052

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.6  | 22.7  | 34.1  |
| 229 | 20.2  | 16.0  | 24.0  |

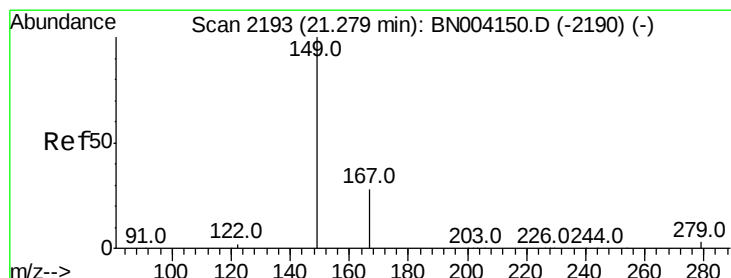
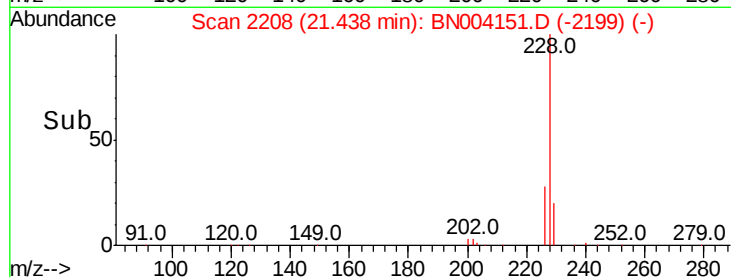
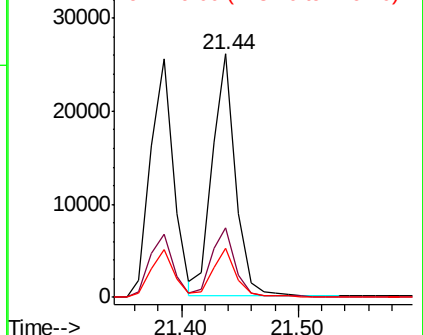


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.627 ng

RT: 21.28 min Scan# 2193

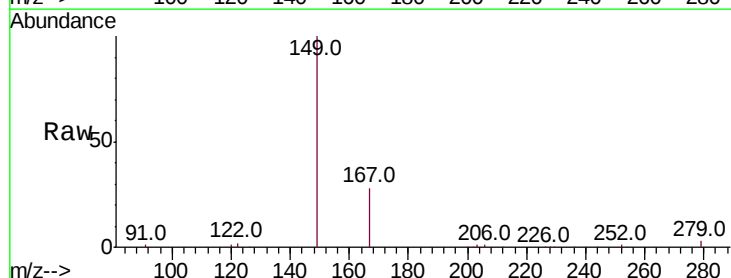
Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

Tgt Ion:149 Resp: 20126

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.7  | 22.4  | 33.6  |
| 279 | 5.0   | 3.9   | 5.9   |

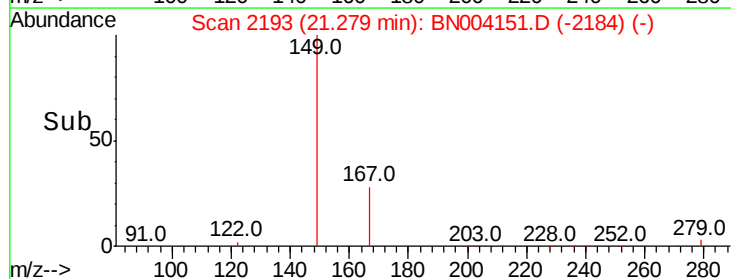
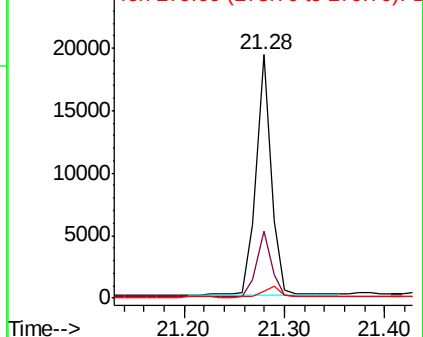


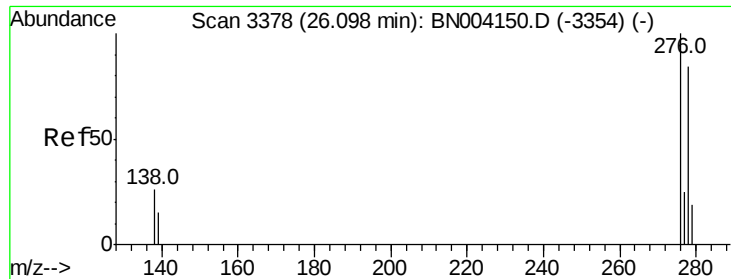
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.817 ng

RT: 26.09 min Scan# 3375

Delta R.T. -0.01 min

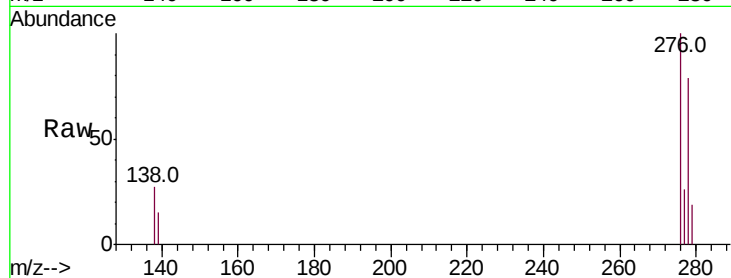
Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

Instrument :

BNA\_N

ClientSampleId :



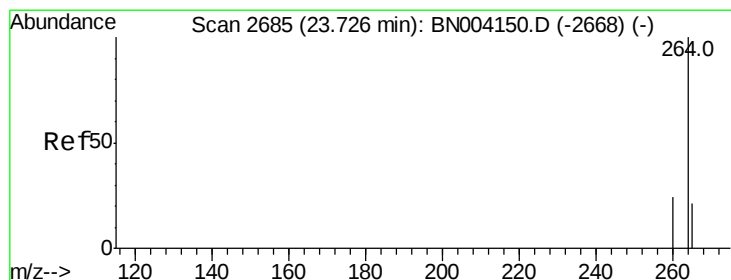
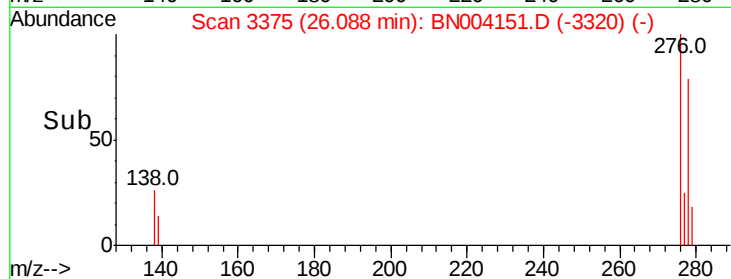
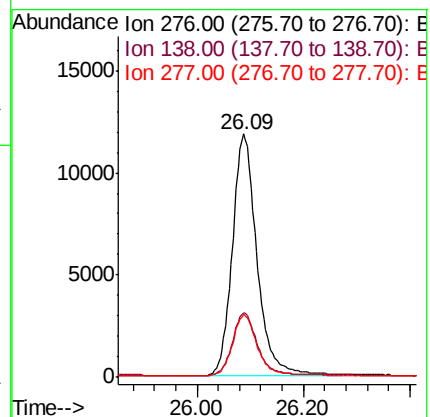
Tot Ion:276 Resp: 38143

Ion Ratio Lower Upper

276 100

138 26.2 20.6 30.8

277 25.4 20.0 30.0



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.72 min Scan# 2684

Delta R.T. -0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

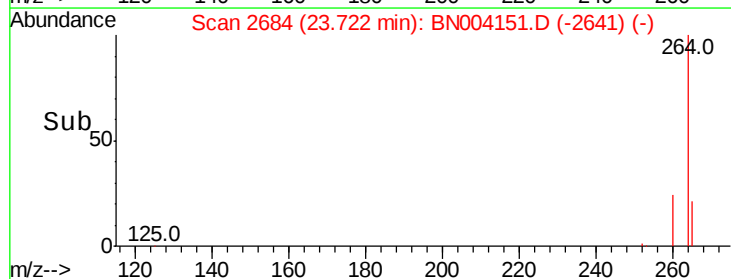
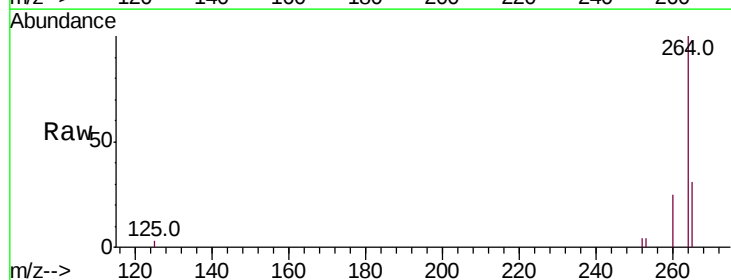
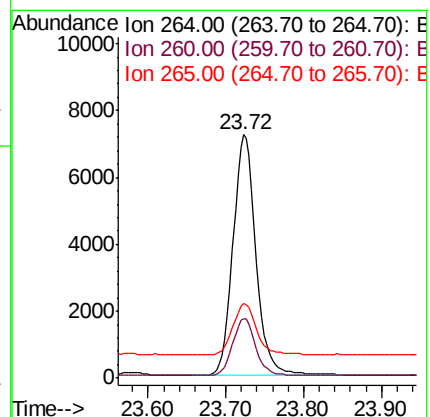
Tgt Ion:264 Resp: 14738

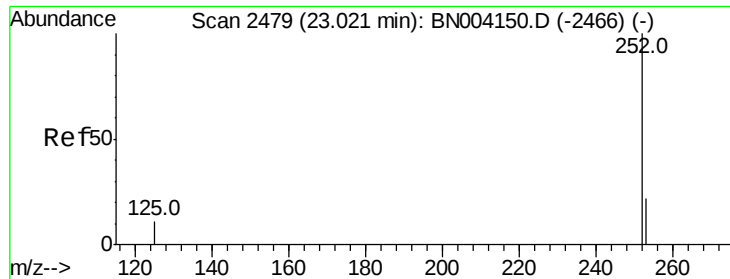
Ion Ratio Lower Upper

264 100

260 24.6 19.1 28.7

265 30.7 26.4 39.6





#35

Benzo(b)fluoranthene

Concen: 0.736 ng

RT: 23.02 min Scan# 2478

Delta R.T. -0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

Instrument :

BNA\_N

ClientSampleId :

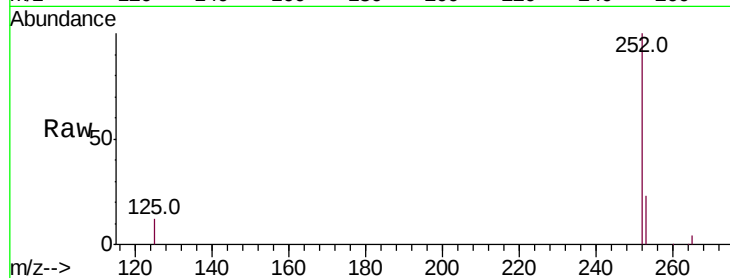
Tot Ion:252 Resp: 33822

Ion Ratio Lower Upper

252 100

253 23.0 19.3 28.9

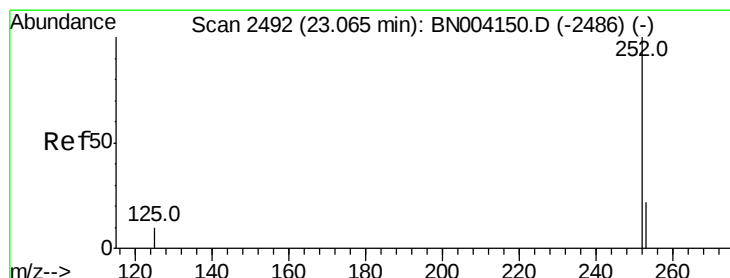
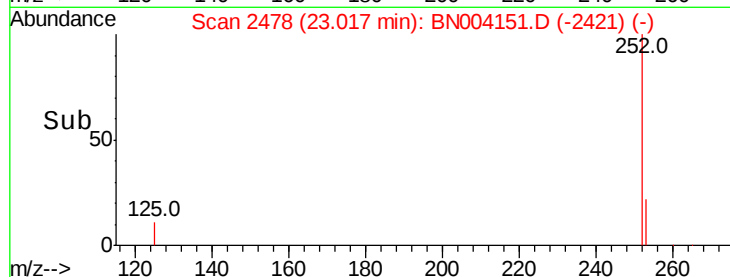
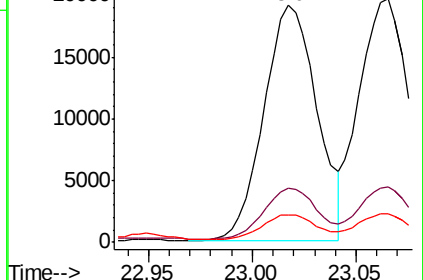
125 11.7 12.7 19.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.774 ng

RT: 23.07 min Scan# 2492

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

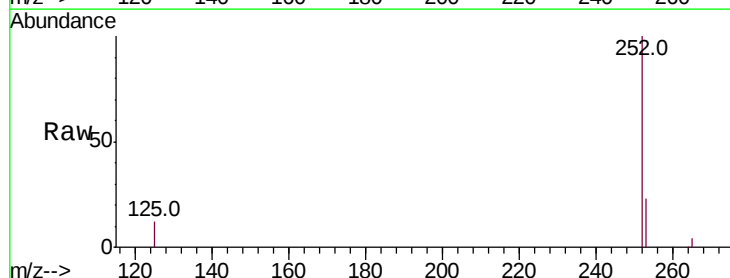
Tgt Ion:252 Resp: 35258

Ion Ratio Lower Upper

252 100

253 23.0 18.5 27.7

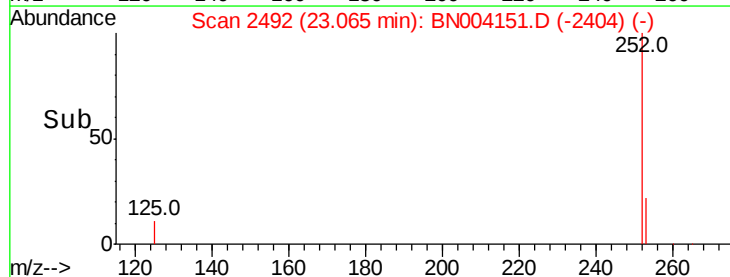
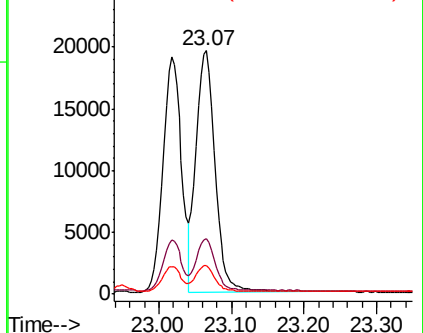
125 11.7 9.1 13.7

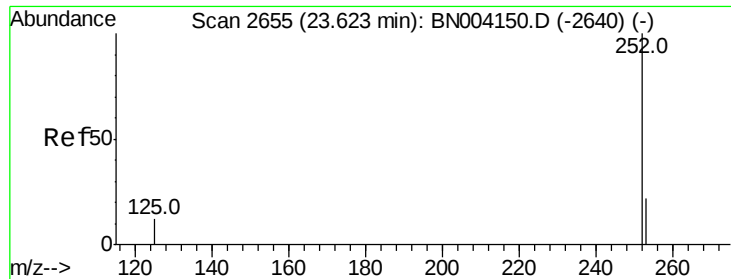


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.761 ng

RT: 23.62 min Scan# 2655

Delta R.T. 0.00 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

Instrument :

BNA\_N

ClientSampleId :

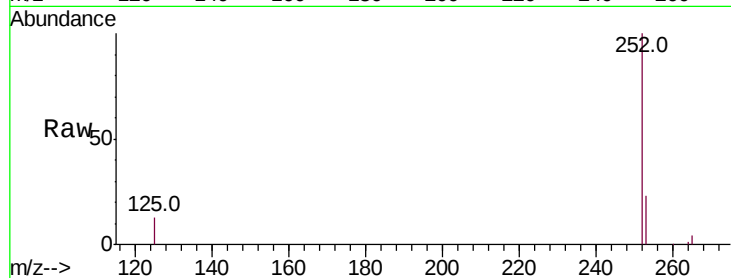
Tot Ion:252 Resp: 31863

Ion Ratio Lower Upper

252 100

253 23.4 20.1 30.1

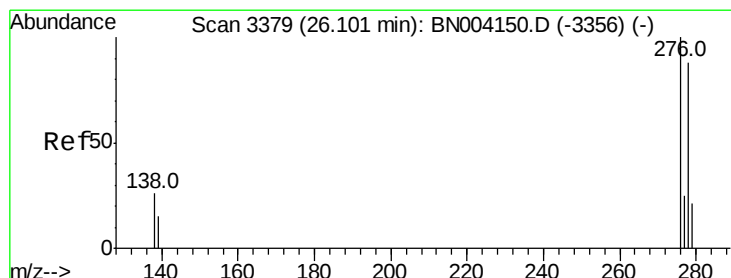
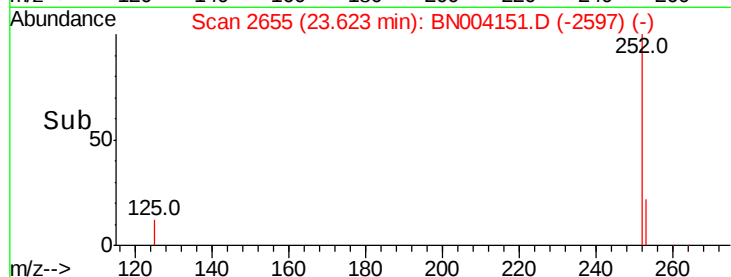
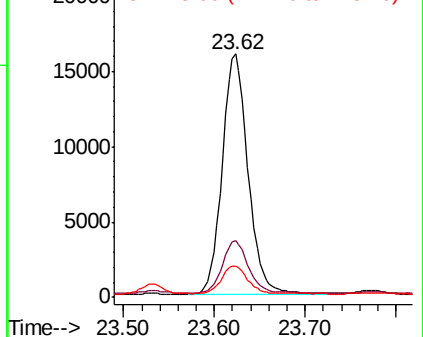
125 13.0 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.818 ng

RT: 26.09 min Scan# 3377

Delta R.T. -0.01 min

Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

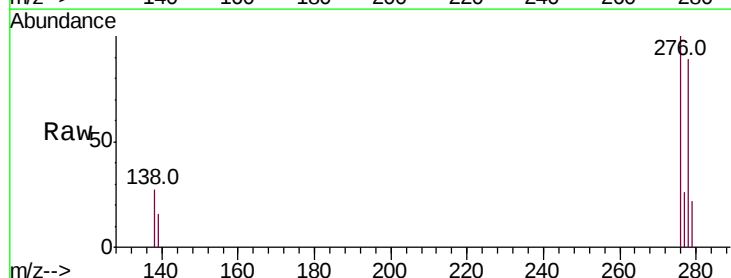
Tgt Ion:278 Resp: 31895

Ion Ratio Lower Upper

278 100

139 18.4 13.5 20.3

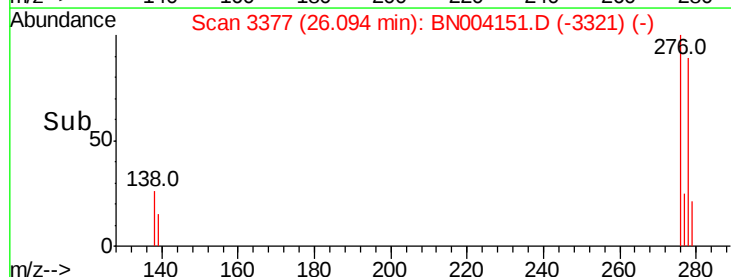
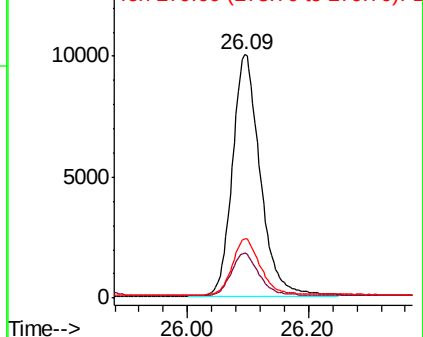
279 24.6 19.8 29.6

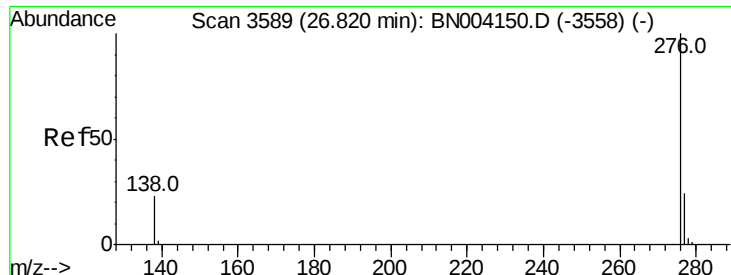


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.806 ng

RT: 26.82 min Scan# 3588

Delta R.T. -0.00 min

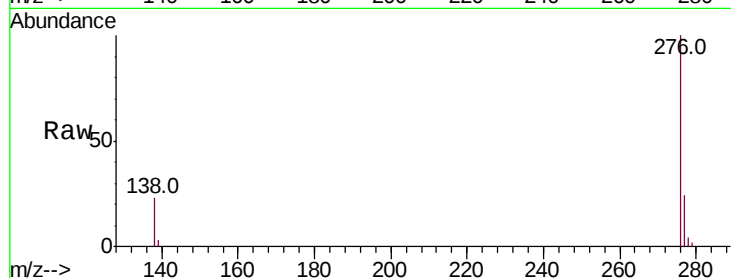
Lab File: BN004151.D

Acq: 20 Dec 2018 15:37

Instrument :

BNA\_N

ClientSampleId :



Tot Ion:276 Resp: 31419

Ion Ratio Lower Upper

276 100

277 24.2 19.5 29.3

138 23.3 17.4 26.2

Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 277.00 (276.70 to 277.70): E  
Ion 138.00 (137.70 to 138.70): E

