

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011620\  
 Data File : BN009387.D  
 Acq On : 16 Jan 2020 16:35  
 Operator : JU  
 Sample : K3591-09  
 Misc : MDL-MDL-W-0.1NG  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jan 16 17:07:57 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 16 16:31:39 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.48  | 152  | 1588     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.24 | 136  | 5277     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.11 | 164  | 3346     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.86 | 188  | 7272     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.07 | 240  | 6188     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.19 | 264  | 6362     | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.12  | 112 | 1401 | 0.38 | ng | 0.00 |
| 5) Phenol-d6                | 6.69  | 99  | 1583 | 0.37 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.64  | 82  | 1399 | 0.33 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.84 | 152 | 3135 | 0.31 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.62 | 330 | 411  | 0.32 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.74 | 172 | 4465 | 0.36 | ng | 0.01 |
| 25) Fluoranthene-d10        | 18.90 | 212 | 7511 | 0.30 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.51 | 244 | 5920 | 0.40 | ng | 0.00 |

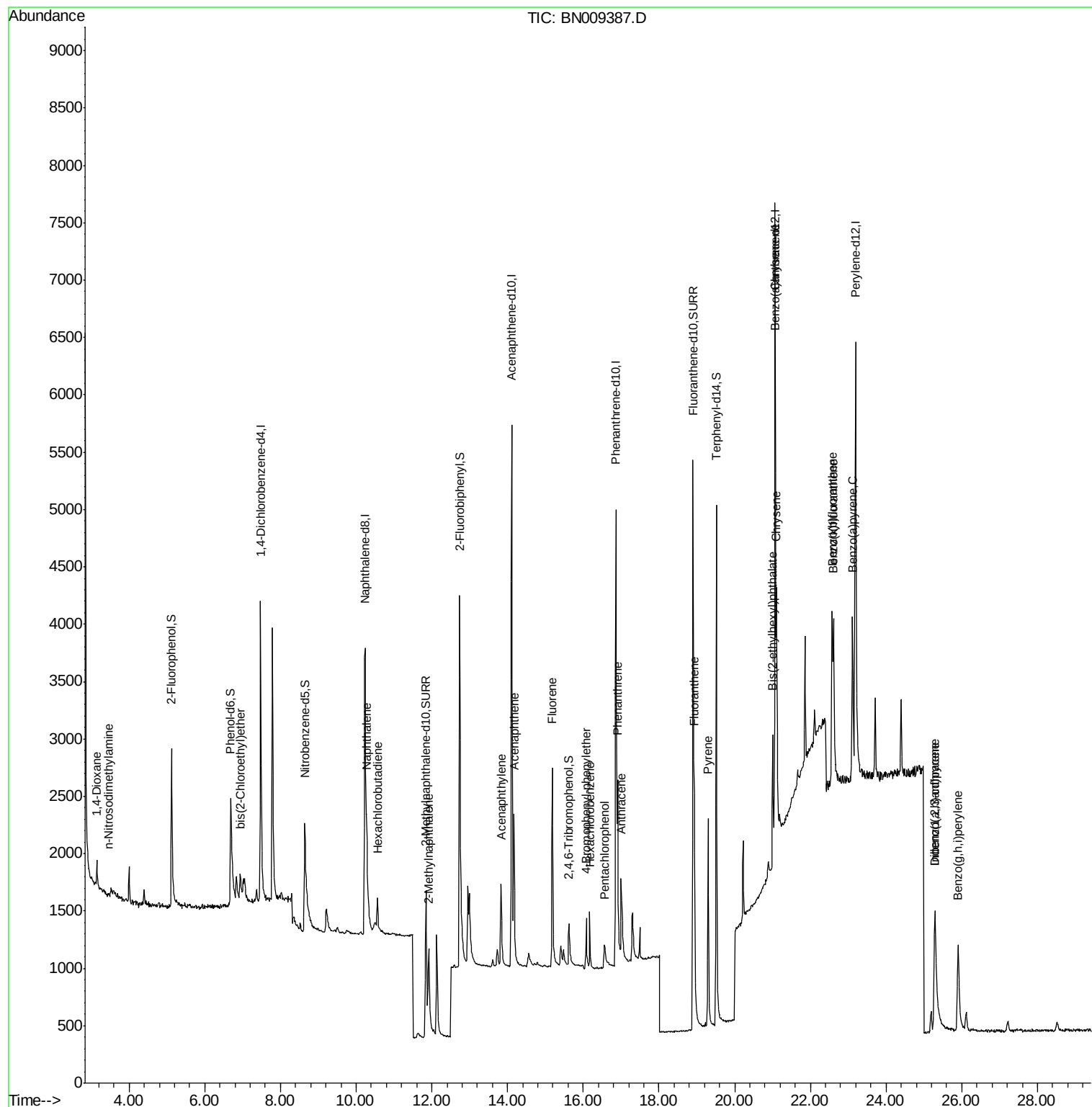
|                                |       |     |      |        |    |      |
|--------------------------------|-------|-----|------|--------|----|------|
| Target Compounds               |       |     |      | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.14  | 88  | 109  | 0.066  | ng | # 78 |
| 3) n-Nitrosodimethylamine      | 3.47  | 42  | 23   | 0.009  | ng | # 1  |
| 6) bis(2-Chloroethyl)ether     | 6.94  | 93  | 360  | 0.083  | ng | # 73 |
| 9) Naphthalene                 | 10.28 | 128 | 1290 | 0.090  | ng | # 81 |
| 10) Hexachlorobutadiene        | 10.57 | 225 | 266  | 0.085  | ng | # 96 |
| 12) 2-Methylnaphthalene        | 11.92 | 142 | 865  | 0.087  | ng | 95   |
| 16) Acenaphthylene             | 13.83 | 152 | 1091 | 0.076  | ng | 97   |
| 17) Acenaphthene               | 14.18 | 154 | 822  | 0.081  | ng | 97   |
| 18) Fluorene                   | 15.18 | 166 | 1081 | 0.082  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.08 | 248 | 346  | 0.079  | ng | 94   |
| 21) Hexachlorobenzene          | 16.17 | 284 | 383  | 0.082  | ng | 99   |
| 22) Pentachlorophenol          | 16.56 | 266 | 284  | 0.217  | ng | 97   |
| 23) Phenanthrene               | 16.91 | 178 | 1755 | 0.080  | ng | 99   |
| 24) Anthracene                 | 17.01 | 178 | 1401 | 0.076  | ng | 98   |
| 26) Fluoranthene               | 18.93 | 202 | 2099 | 0.082  | ng | 96   |
| 28) Pyrene                     | 19.30 | 202 | 2118 | 0.090  | ng | 97   |
| 30) Benzo(a)anthracene         | 21.06 | 228 | 1564 | 0.077  | ng | 95   |
| 31) Chrysene                   | 21.10 | 228 | 2159 | 0.093  | ng | 94   |
| 32) Bis(2-ethylhexyl)phthalate | 21.01 | 149 | 858  | 0.095  | ng | # 99 |
| 33) Indeno(1,2,3-cd)pyrene     | 25.29 | 276 | 1887 | 0.078  | ng | 97   |
| 35) Benzo(b)fluoranthene       | 22.57 | 252 | 1932 | 0.083  | ng | # 57 |
| 36) Benzo(k)fluoranthene       | 22.61 | 252 | 2323 | 0.090  | ng | # 61 |
| 37) Benzo(a)pyrene             | 23.11 | 252 | 1884 | 0.091  | ng | # 1  |
| 38) Dibenzo(a,h)anthracene     | 25.30 | 278 | 1634 | 0.079  | ng | # 60 |
| 39) Benzo(g,h,i)perylene       | 25.91 | 276 | 1945 | 0.085  | ng | # 82 |

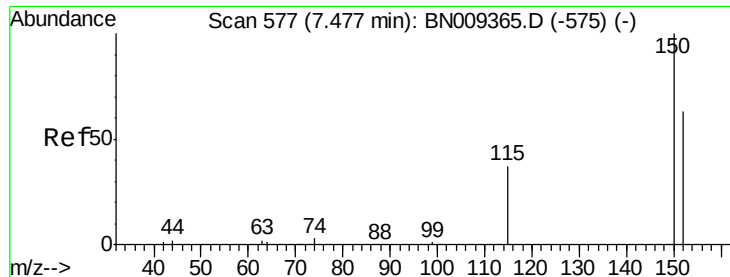
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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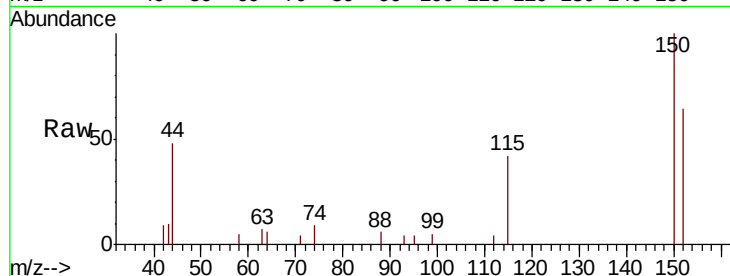


#1

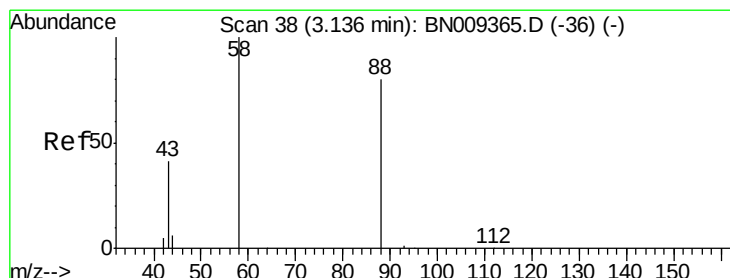
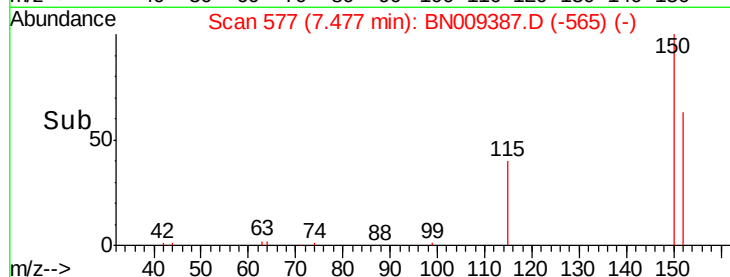
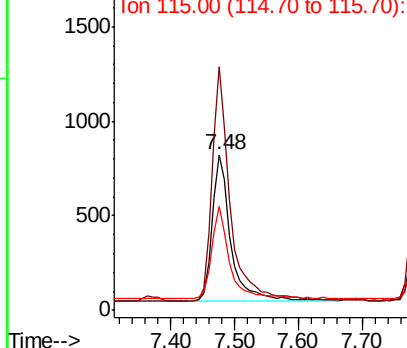
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.48 min Scan# 577  
Delta R.T. -0.00 min  
Lab File: BN009387.D  
Acq: 16 Jan 2020 16:35

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 1588  
Ion Ratio Lower Upper  
152 100  
150 156.7 125.7 188.5  
115 66.5 53.3 79.9



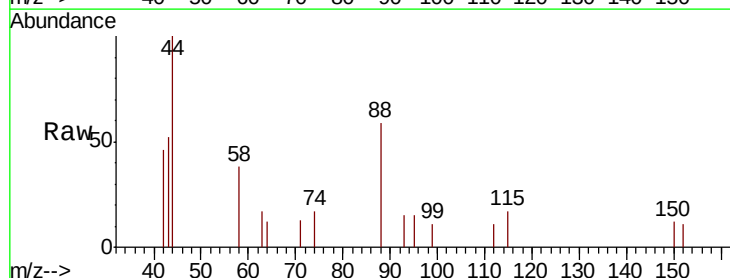
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



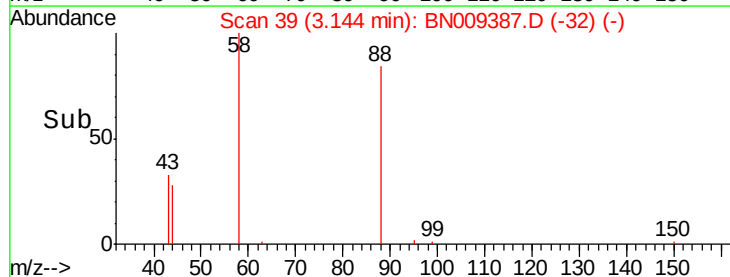
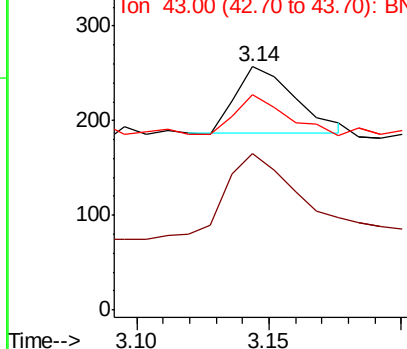
#2

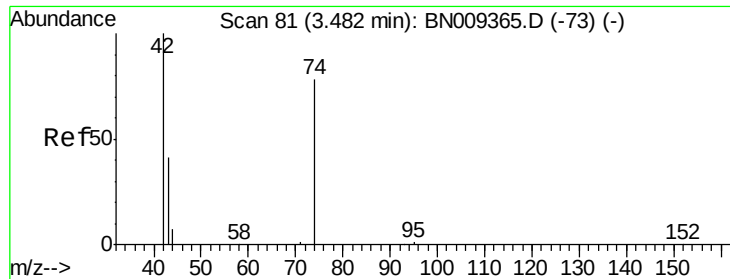
1,4-Dioxane  
Concen: 0.066 ng  
RT: 3.14 min Scan# 39  
Delta R.T. 0.01 min  
Lab File: BN009387.D  
Acq: 16 Jan 2020 16:35

Tgt Ion: 88 Resp: 109  
Ion Ratio Lower Upper  
88 100  
58 160.6 100.2 150.2#  
43 53.2 43.1 64.7



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



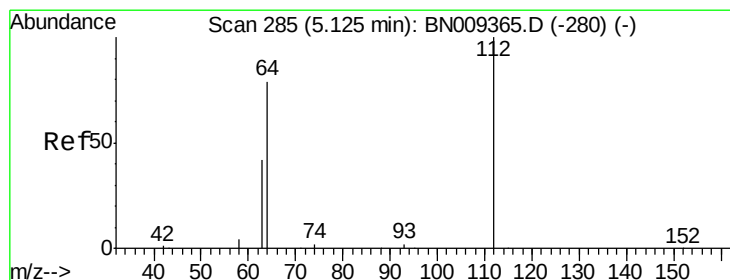
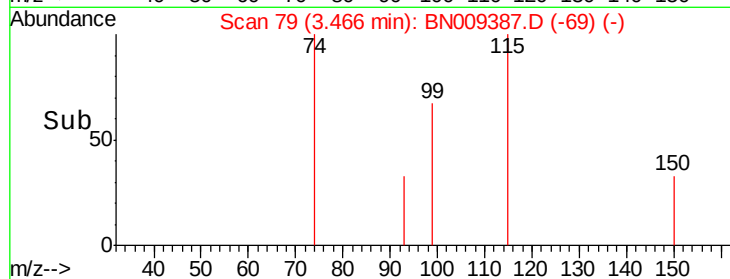
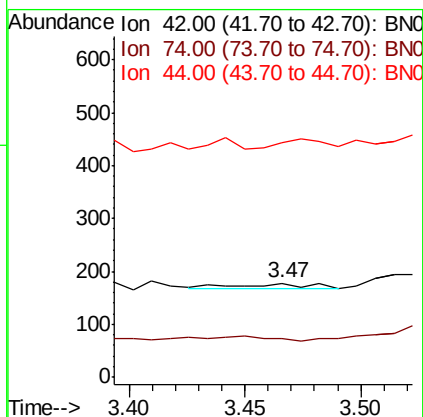
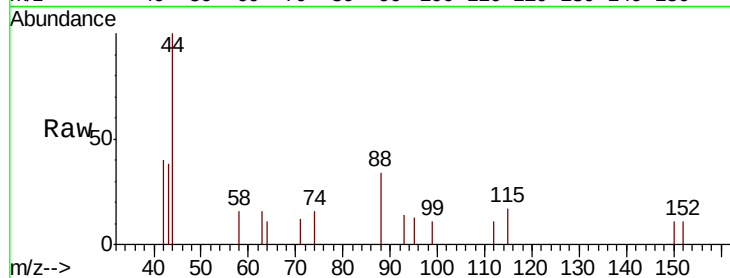


#3

n-Nitrosodimethylamine  
 Concen: 0.009 ng  
 RT: 3.47 min Scan# 79  
 Delta R.T. -0.02 min  
 Lab File: BN009387.D  
 Acq: 16 Jan 2020 16:35

Instrument :  
 BNA\_N  
 ClientSampleId :

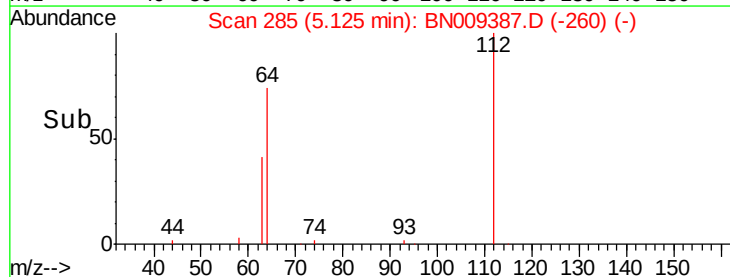
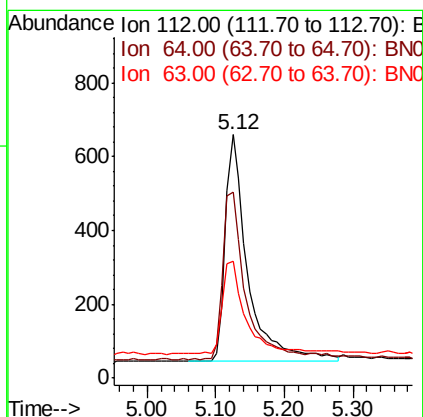
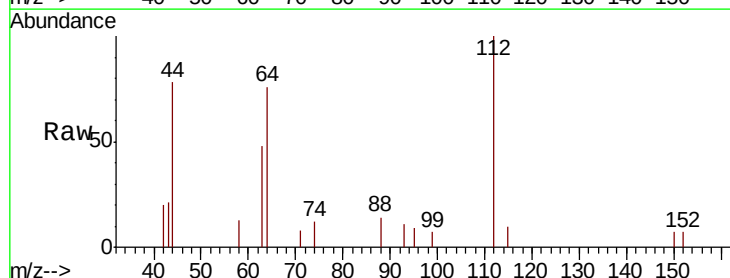
Tot Ion: 42 Resp: 23  
 Ion Ratio Lower Upper  
 42 100  
 74 0.0 55.8 83.8#  
 44 117.4 11.1 16.7#

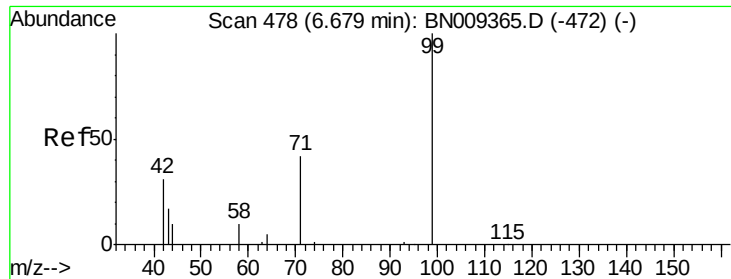


#4

2-Fluorophenol  
 Concen: 0.383 ng  
 RT: 5.12 min Scan# 285  
 Delta R.T. -0.00 min  
 Lab File: BN009387.D  
 Acq: 16 Jan 2020 16:35

Tgt Ion: 112 Resp: 1401  
 Ion Ratio Lower Upper  
 112 100  
 64 77.8 61.5 92.3  
 63 43.0 35.0 52.4





#5

Phenol-d6

Concen: 0.374 ng

RT: 6.69 min Scan# 479

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampleId :

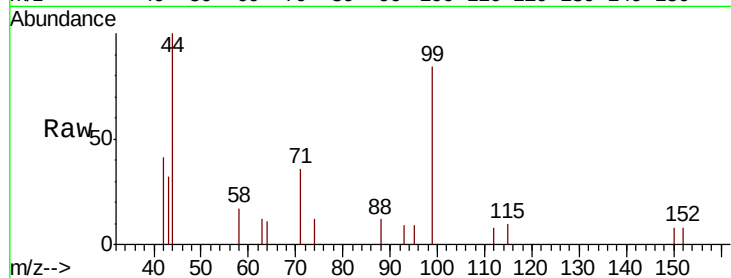
Tot Ion: 99 Resp: 1583

Ion Ratio Lower Upper

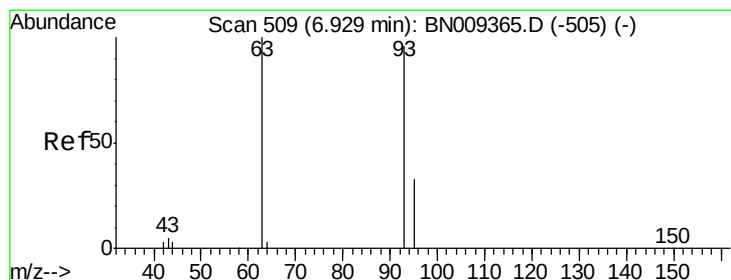
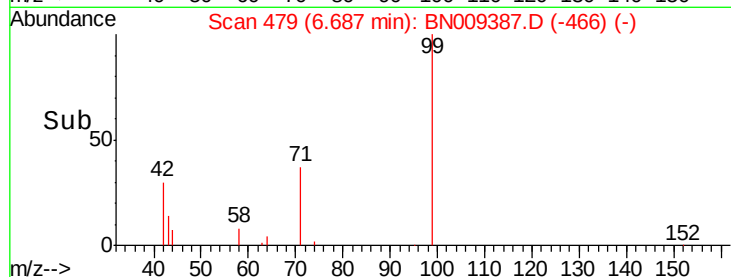
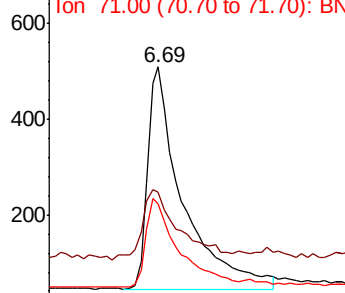
99 100

42 33.7 27.6 41.4

71 37.5 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BN009387.D (-472) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.083 ng

RT: 6.94 min Scan# 510

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

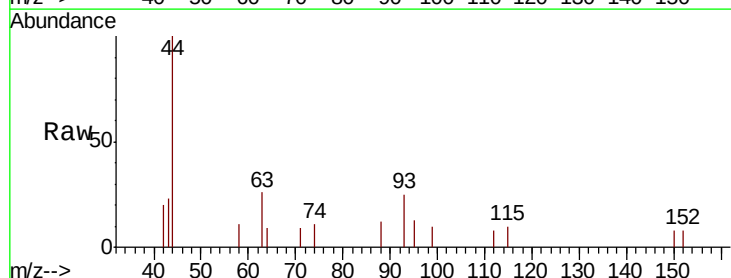
Tgt Ion: 93 Resp: 360

Ion Ratio Lower Upper

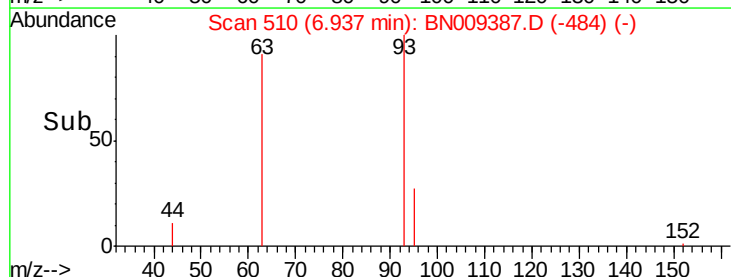
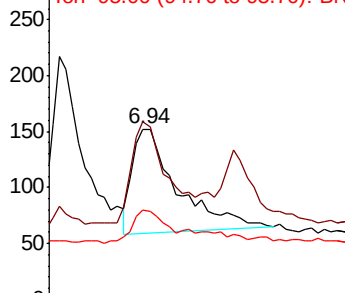
93 100

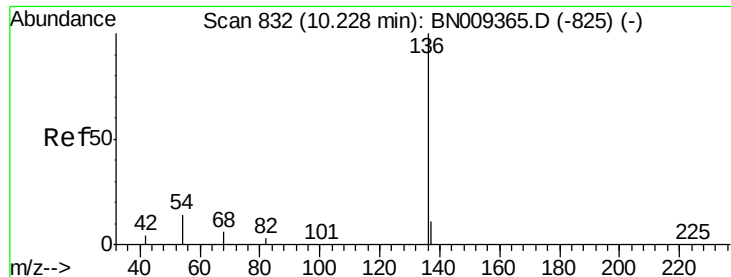
63 76.9 85.1 127.7#

95 23.1 30.2 45.4#



Abundance Ion 93.00 (92.70 to 93.70): BN009387.D (-505) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.24 min Scan# 833

Delta R.T. 0.01 min

Lab File: BN009387.D

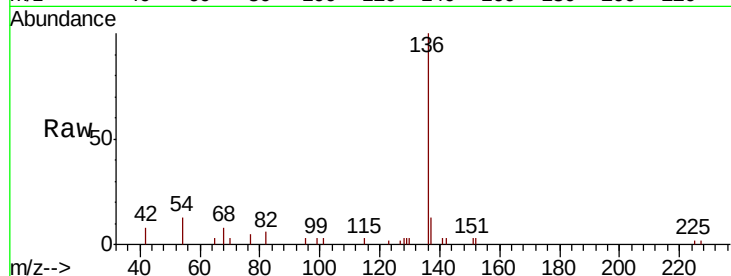
Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 5277        |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 12.9  | 10.3 15.5   |
| 54          | 13.4  | 12.6 19.0   |
| 68          | 7.8   | 6.5 9.7     |

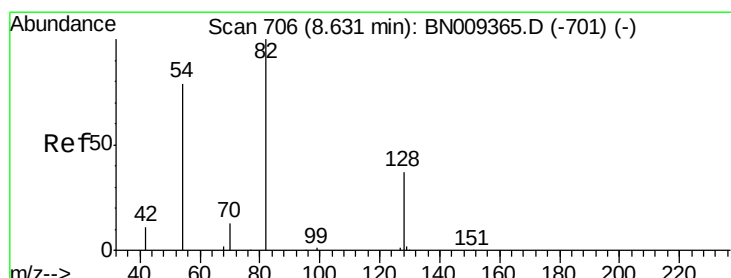
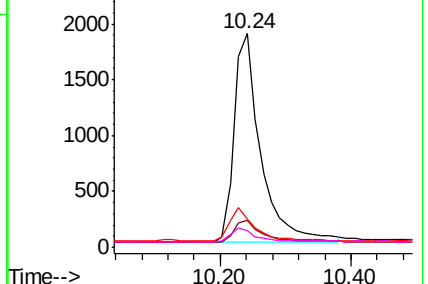
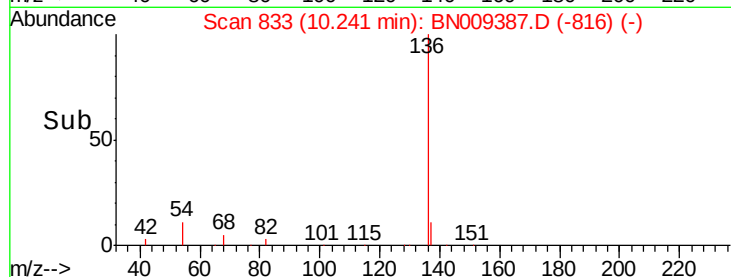


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.333 ng

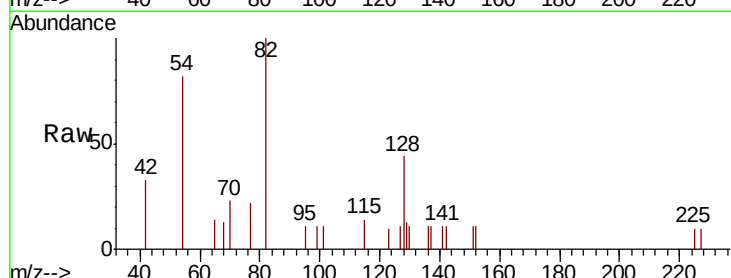
RT: 8.64 min Scan# 707

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

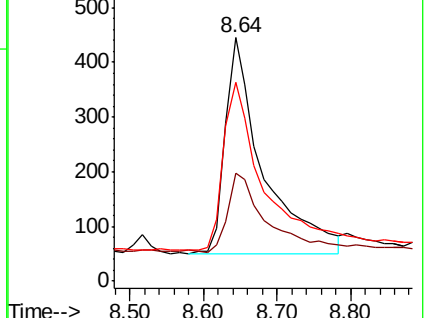
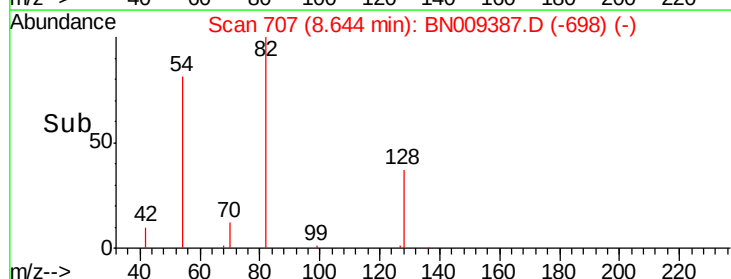
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 1399        |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 44.3  | 34.8 52.2   |
| 54          | 81.8  | 65.8 98.6   |

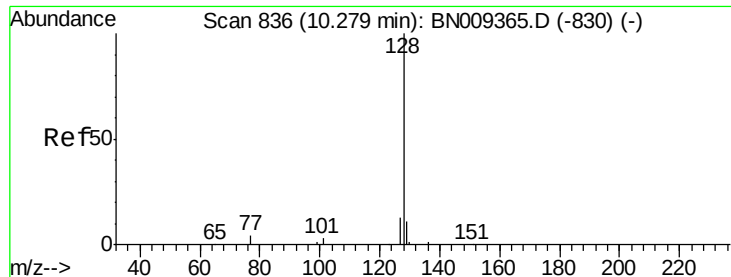


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.090 ng

RT: 10.28 min Scan# 836

Delta R.T. -0.00 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampleId :

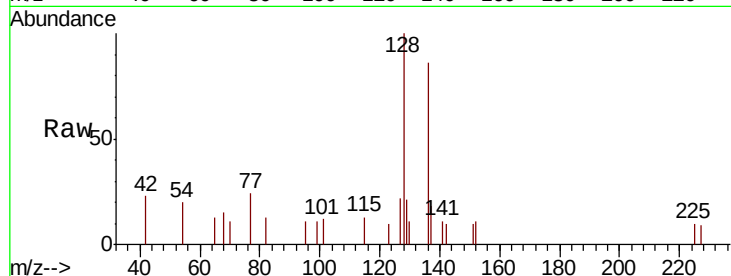
Tot Ion:128 Resp: 1290

Ion Ratio Lower Upper

128 100

129 20.8 10.4 15.6#

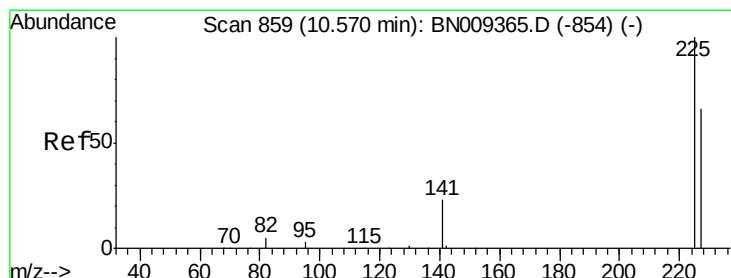
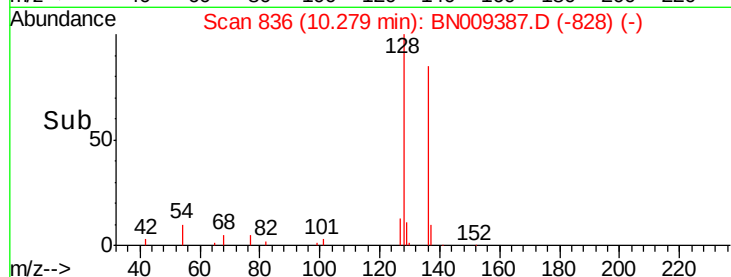
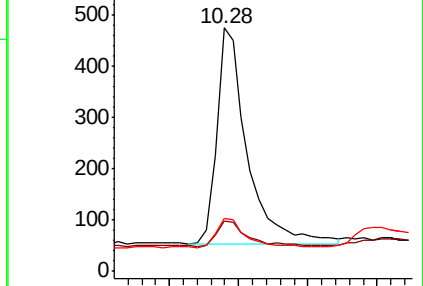
127 21.6 11.4 17.2#



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: 0.085 ng

RT: 10.57 min Scan# 859

Delta R.T. -0.00 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

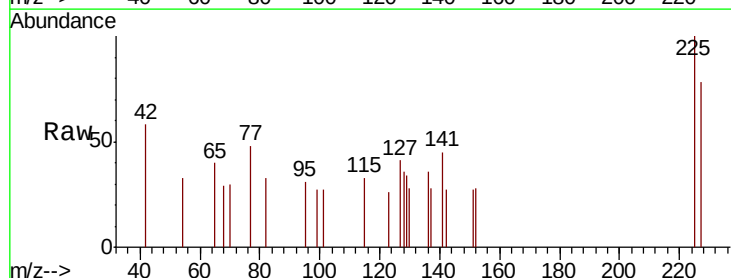
Tgt Ion:225 Resp: 266

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

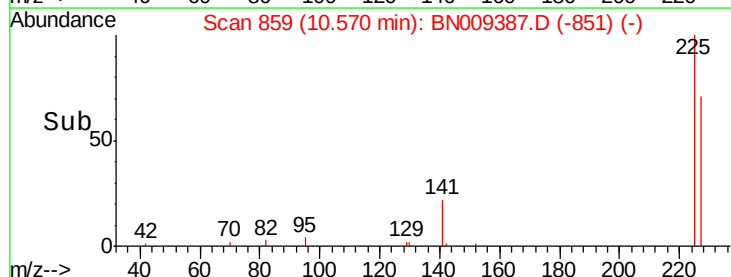
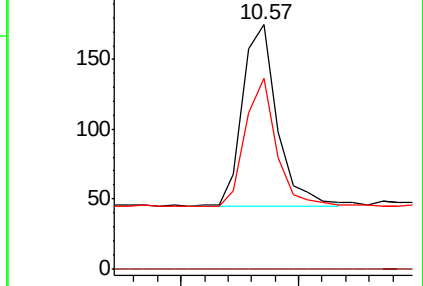
227 62.8 52.6 78.8

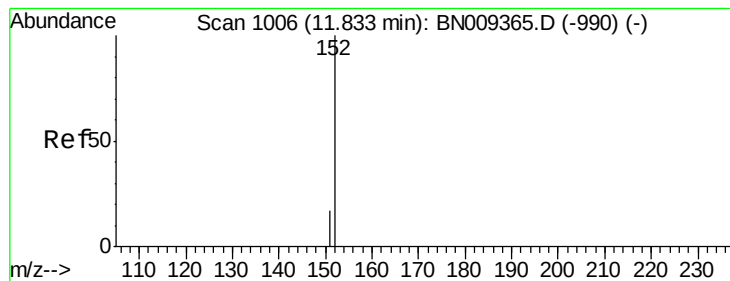


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.308 ng

RT: 11.84 min Scan# 1008

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

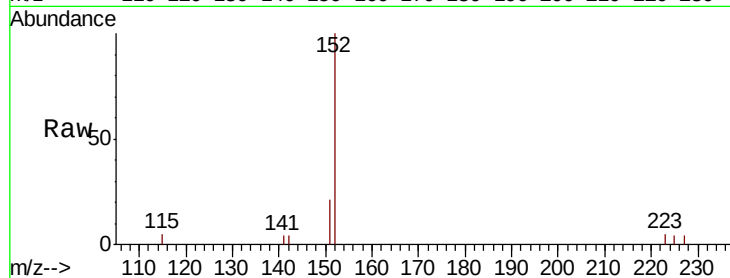
ClientSampleId :

Tot Ion:152 Resp: 3135

Ion Ratio Lower Upper

152 100

151 18.3 14.8 22.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.84

1200

1000

800

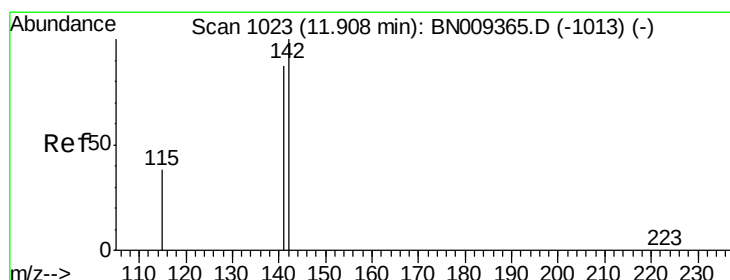
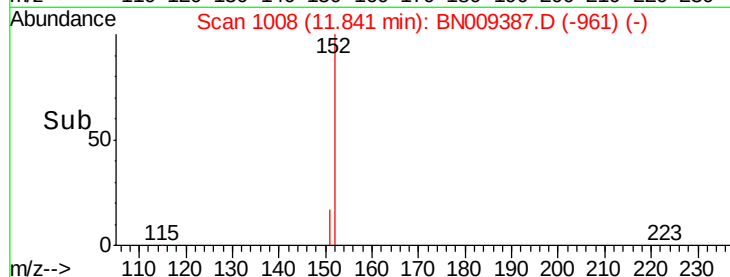
600

400

200

0

Time--> 11.80 12.00



#12

2-Methylnaphthalene

Concen: 0.087 ng

RT: 11.92 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

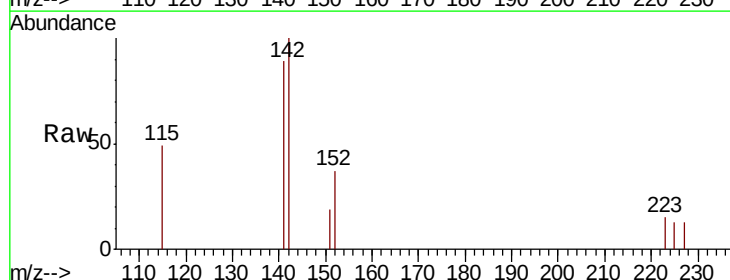
Tgt Ion:142 Resp: 865

Ion Ratio Lower Upper

142 100

141 88.6 69.8 104.6

115 48.7 32.5 48.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.92

600

500

400

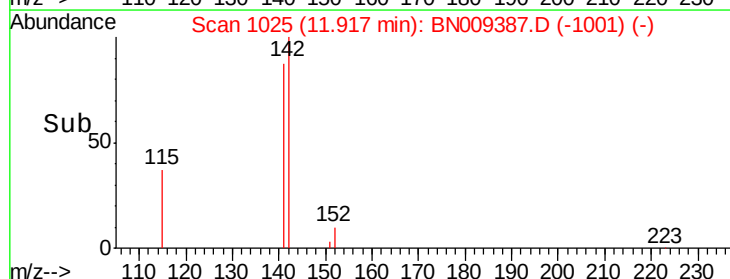
300

200

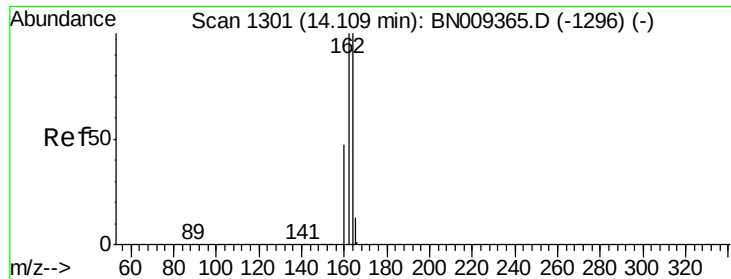
100

0

Time--> 11.80 11.90 12.00 12.10



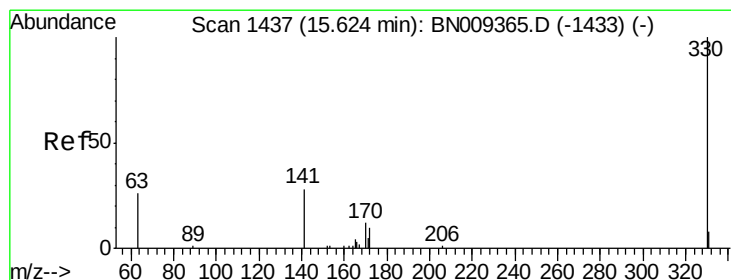
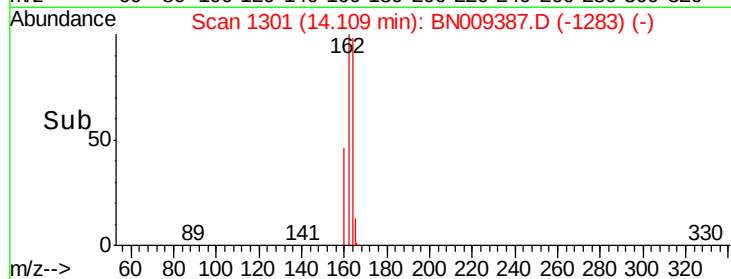
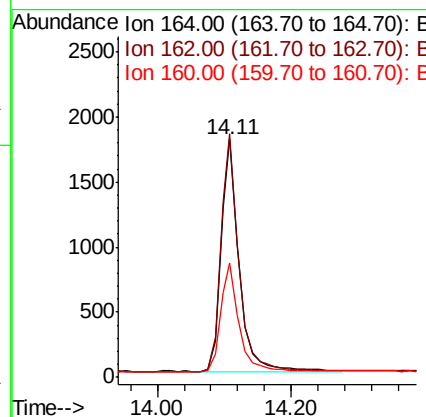
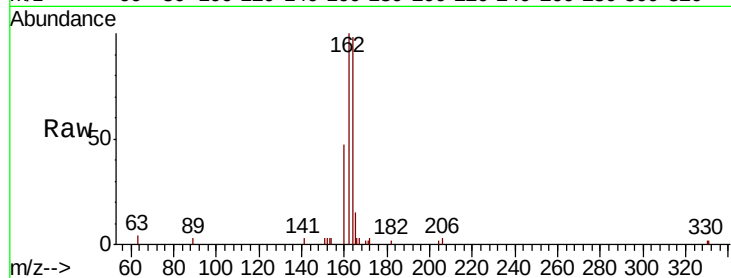




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.11 min Scan# 1301  
Delta R.T. -0.00 min  
Lab File: BN009387.D  
Acq: 16 Jan 2020 16:35

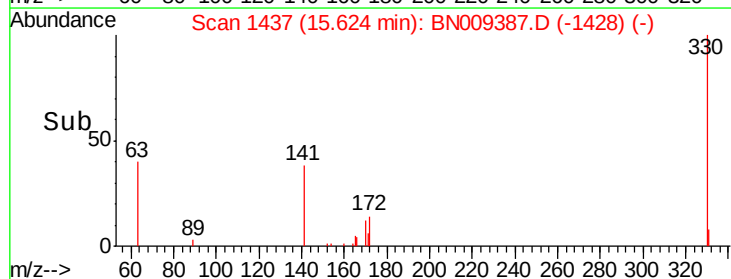
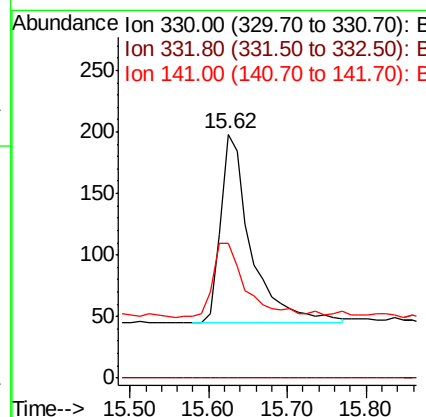
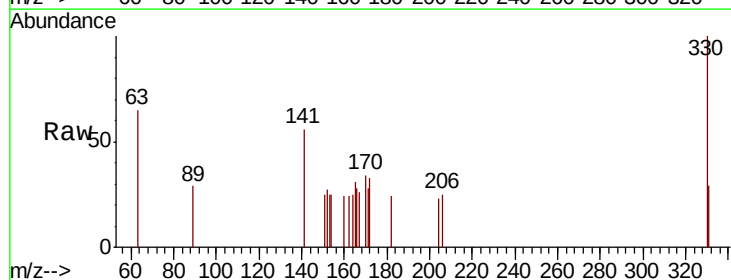
Instrument :  
BNA\_N  
ClientSampleId :

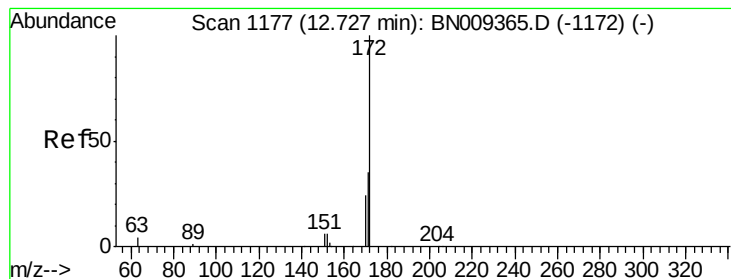
Tot Ion:164 Resp: 3346  
Ion Ratio Lower Upper  
164 100  
162 102.2 79.8 119.6  
160 48.2 38.4 57.6



#14  
2,4,6-Tribromophenol  
Concen: 0.325 ng  
RT: 15.62 min Scan# 1437  
Delta R.T. -0.00 min  
Lab File: BN009387.D  
Acq: 16 Jan 2020 16:35

Tgt Ion:330 Resp: 411  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 43.6 33.1 49.7





#15

2-Fluorobiphenyl

Concen: 0.357 ng

RT: 12.74 min Scan# 1178

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampled :

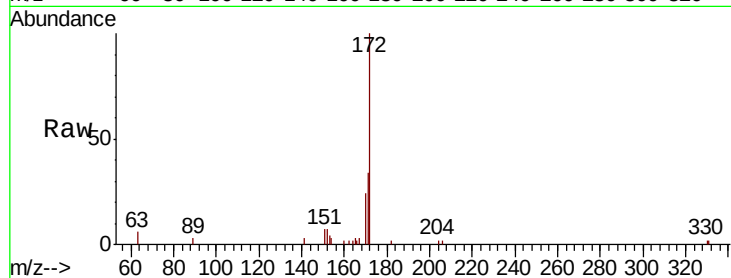
Tot Ion:172 Resp: 4465

Ion Ratio Lower Upper

172 100

171 34.4 29.5 44.3

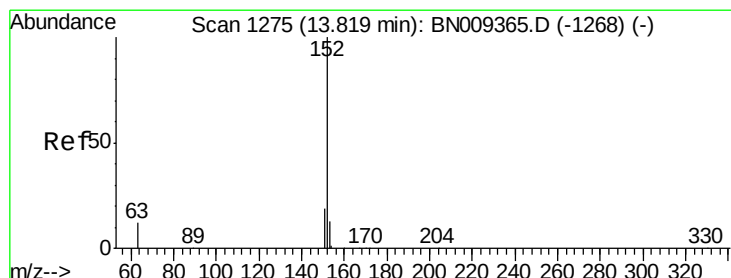
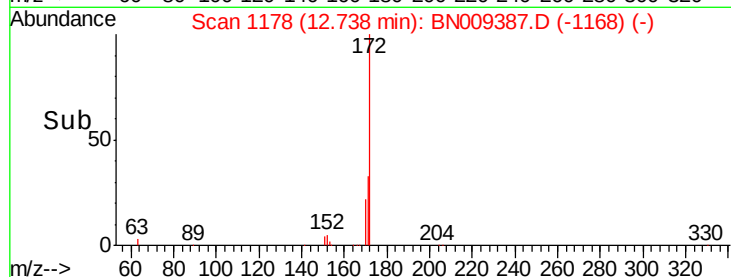
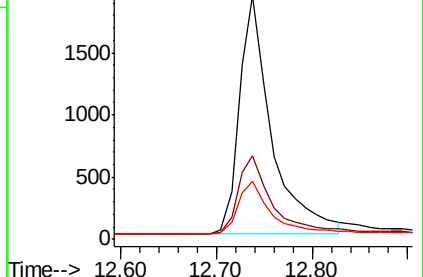
170 23.8 20.7 31.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.076 ng

RT: 13.83 min Scan# 1276

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

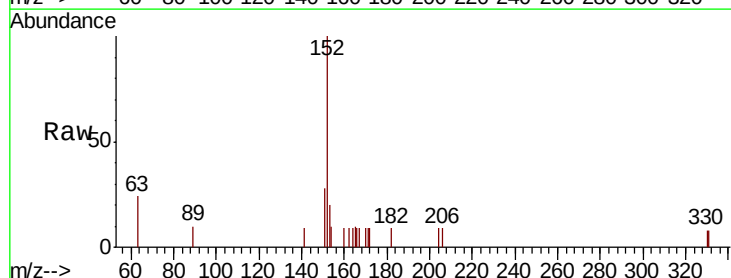
Tgt Ion:152 Resp: 1091

Ion Ratio Lower Upper

152 100

151 20.8 15.4 23.2

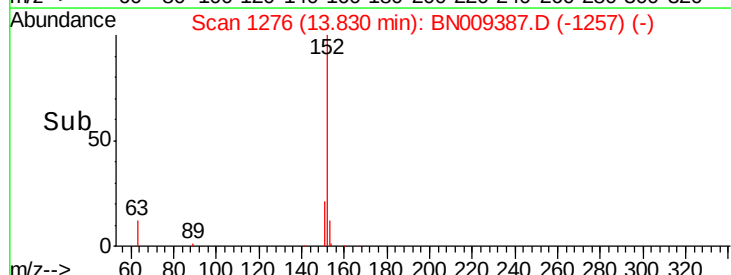
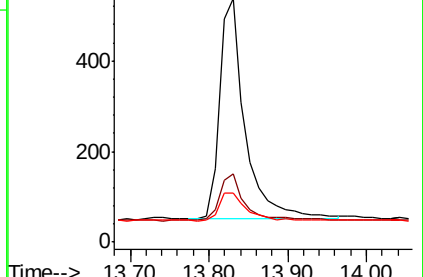
153 13.7 10.4 15.6

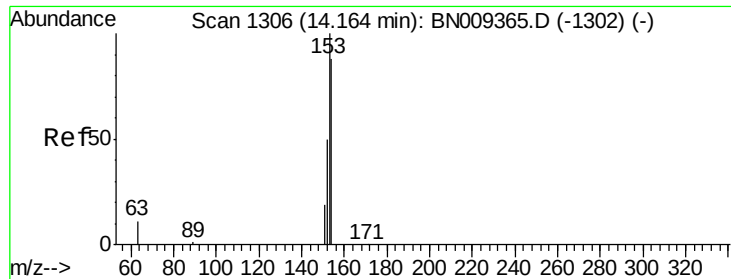


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.081 ng

RT: 14.18 min Scan# 1307

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampleId :

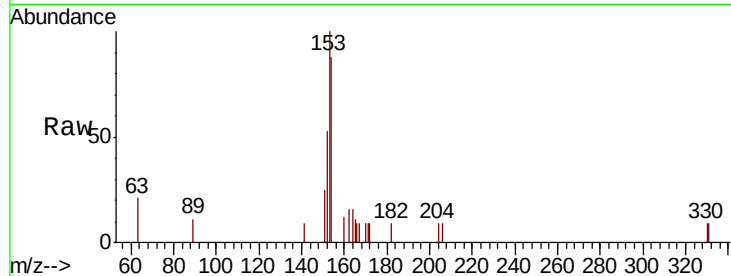
Tot Ion:154 Resp: 822

Ion Ratio Lower Upper

154 100

153 117.8 90.5 135.7

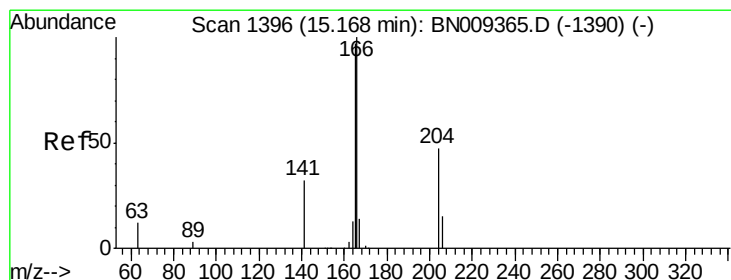
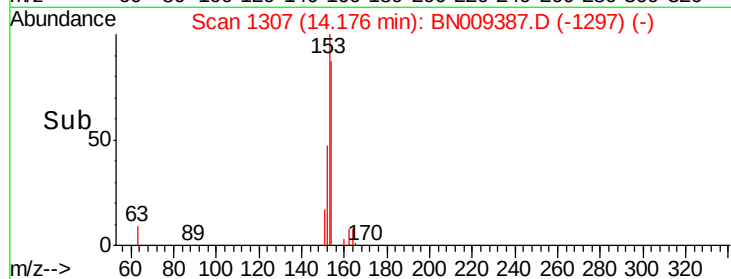
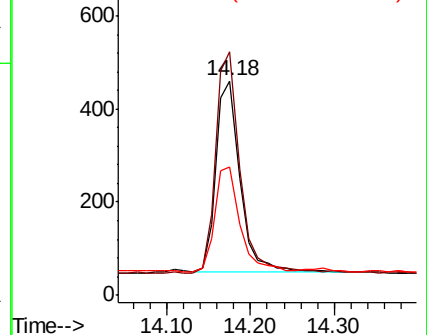
152 57.8 45.3 67.9



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: 0.082 ng

RT: 15.18 min Scan# 1397

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

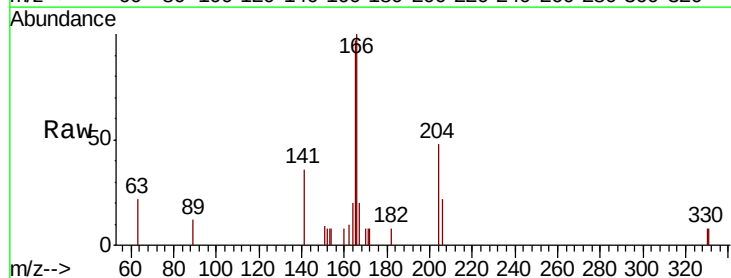
Tgt Ion:166 Resp: 1081

Ion Ratio Lower Upper

166 100

165 97.2 78.2 117.2

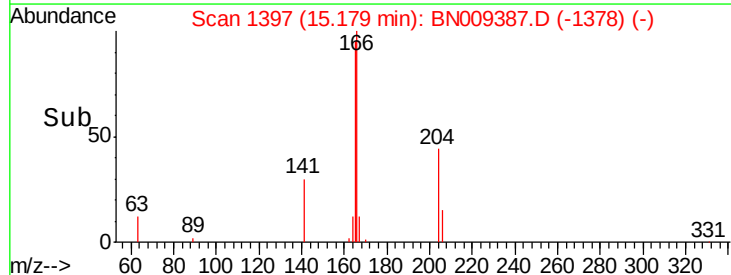
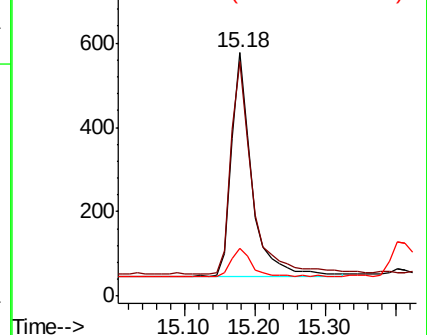
167 12.3 11.0 16.6

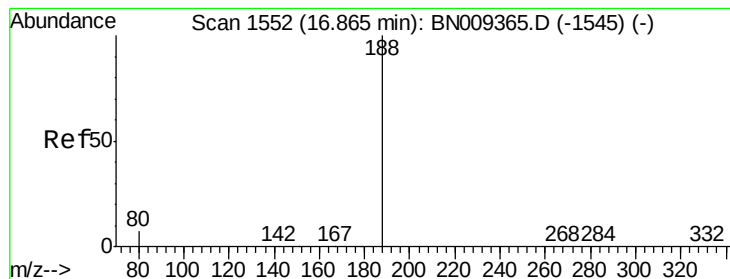


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.86 min Scan# 1552

Delta R.T. -0.00 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampleId :

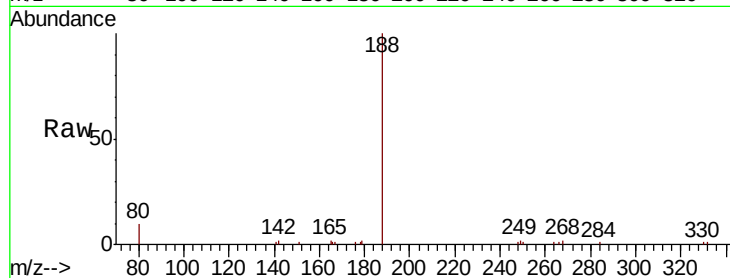
Tot Ion:188 Resp: 7272

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

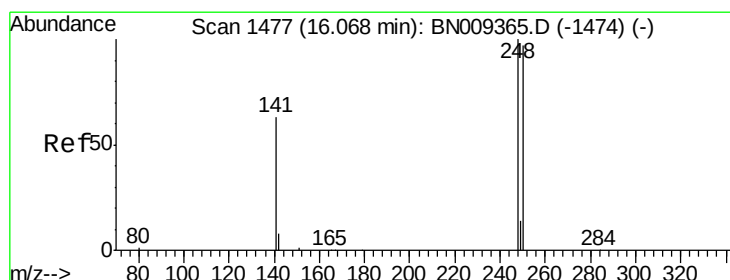
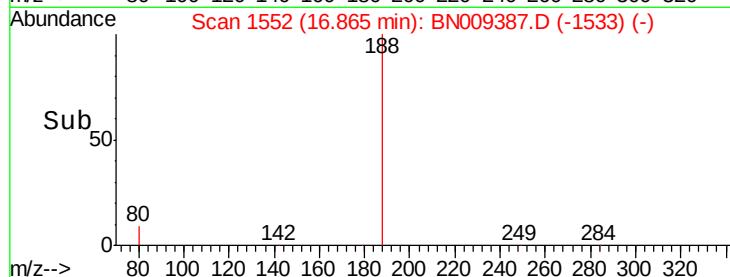
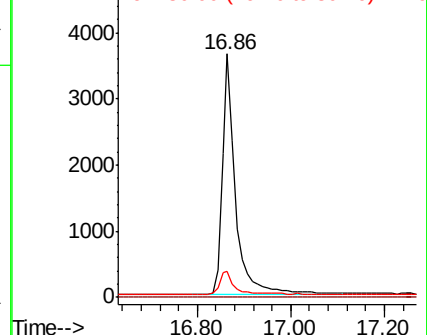
80 10.5 6.6 10.0#



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: 0.079 ng

RT: 16.08 min Scan# 1478

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

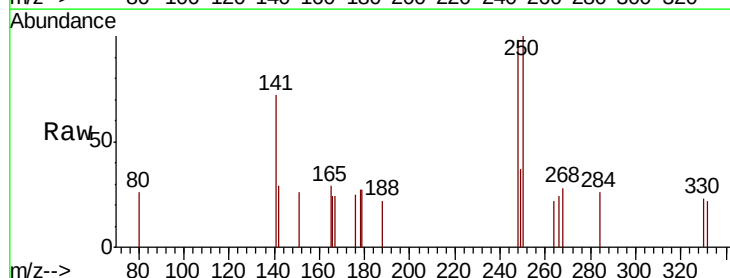
Tgt Ion:248 Resp: 346

Ion Ratio Lower Upper

248 100

250 102.0 77.8 116.8

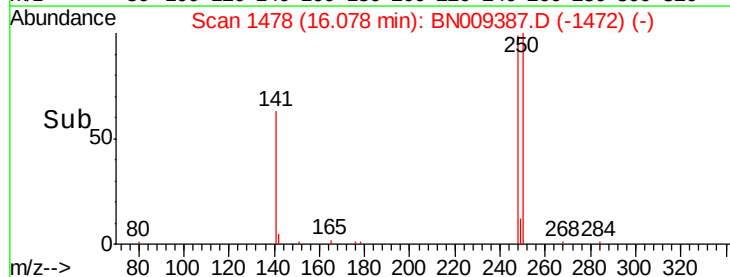
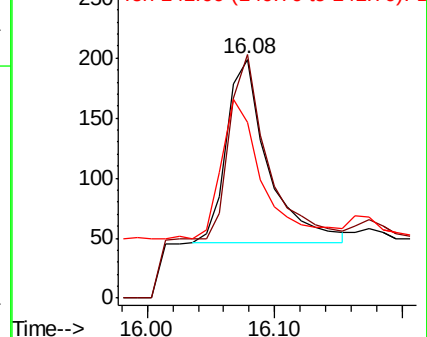
141 73.9 53.4 80.0

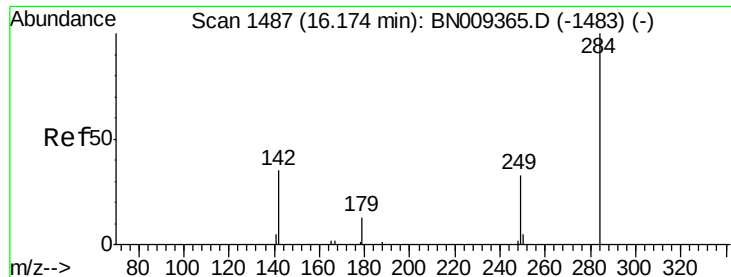


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.082 ng

RT: 16.17 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampleId :

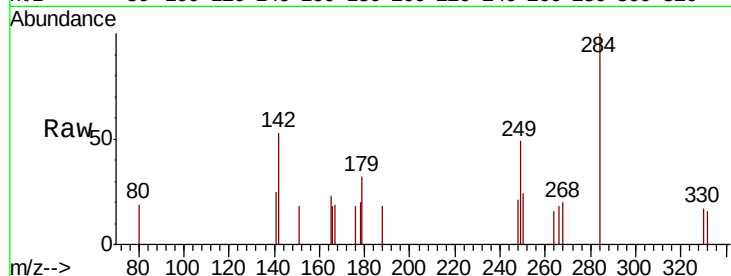
Tot Ion:284 Resp: 383

Ion Ratio Lower Upper

284 100

142 41.8 33.8 50.8

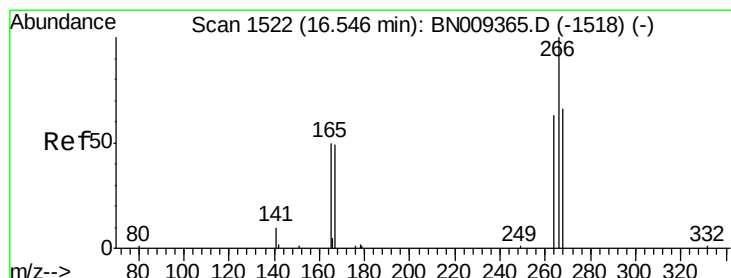
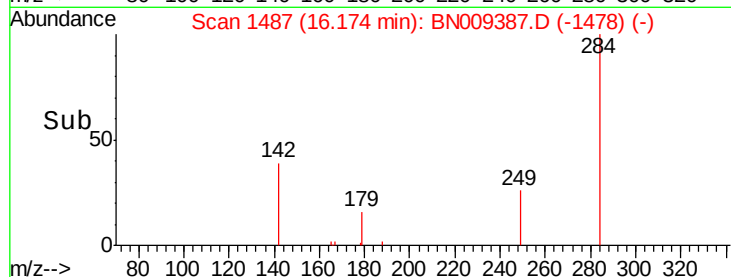
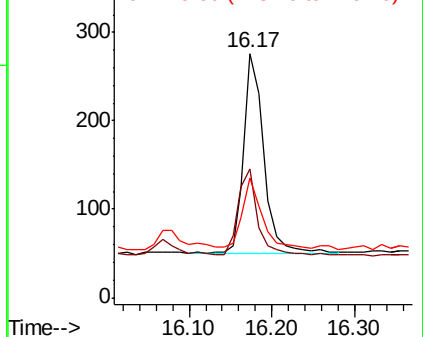
249 32.9 27.0 40.4



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: 0.217 ng

RT: 16.56 min Scan# 1523

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

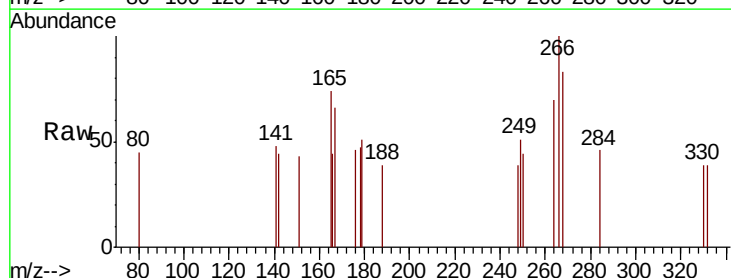
Tgt Ion:266 Resp: 284

Ion Ratio Lower Upper

266 100

264 70.2 57.8 86.6

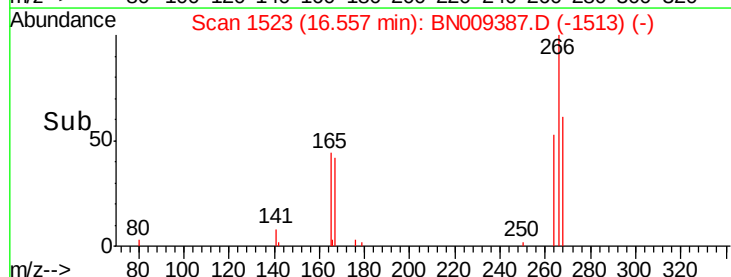
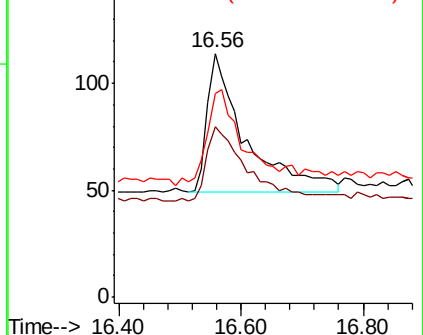
268 83.3 63.8 95.6

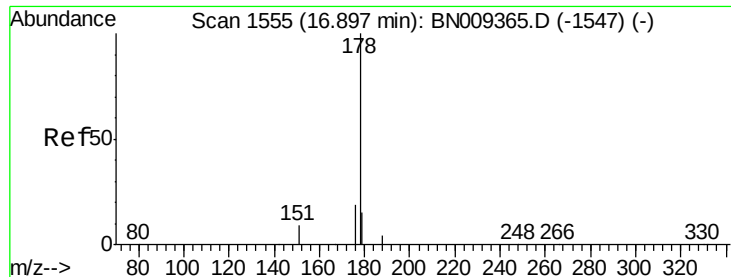


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.080 ng

RT: 16.91 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampleId :

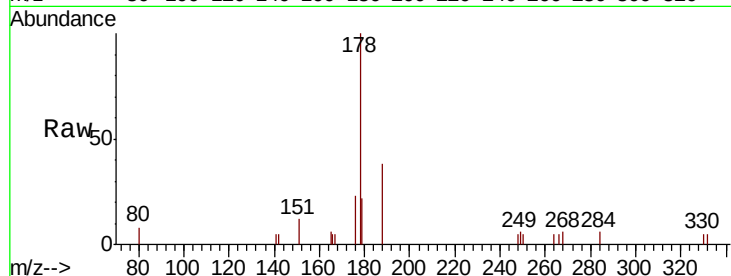
Tot Ion:178 Resp: 1755

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

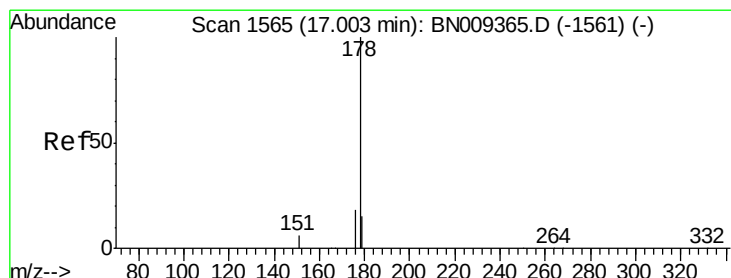
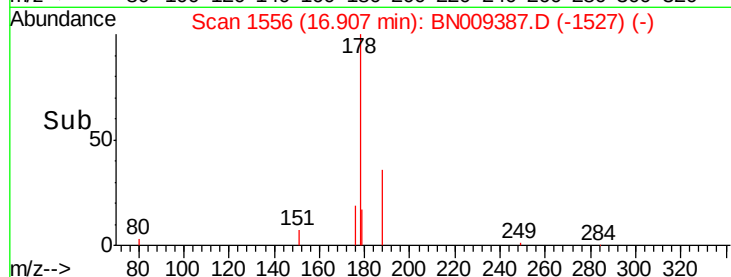
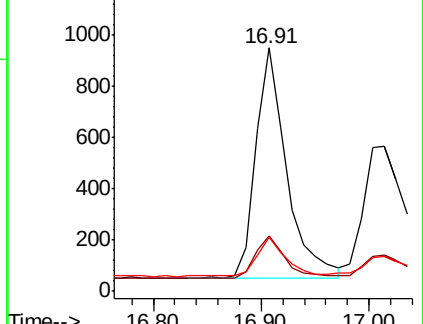
179 16.6 12.3 18.5



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



#24

Anthracene

Concen: 0.076 ng

RT: 17.01 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

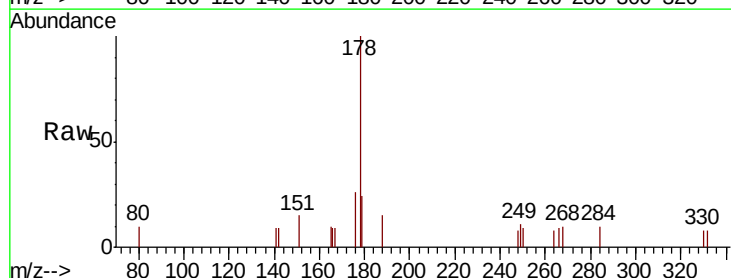
Tgt Ion:178 Resp: 1401

Ion Ratio Lower Upper

178 100

176 18.6 14.6 21.8

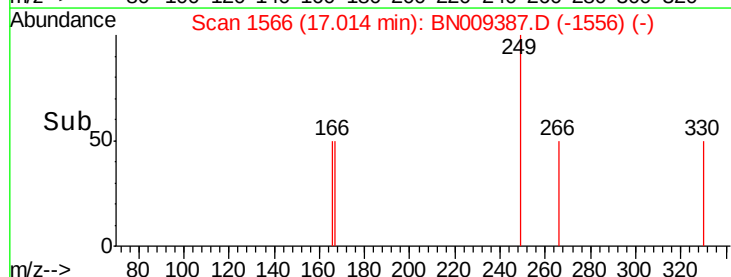
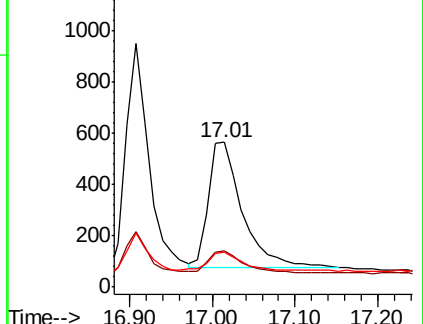
179 14.4 12.5 18.7

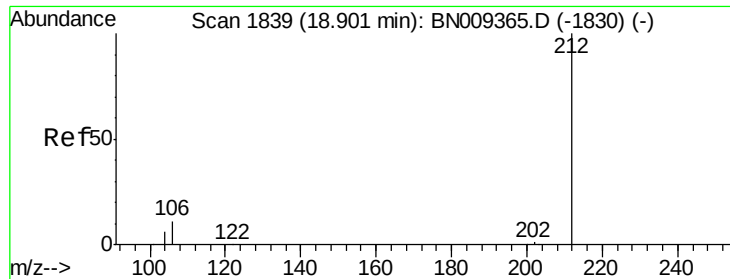


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.301 ng

RT: 18.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampled :

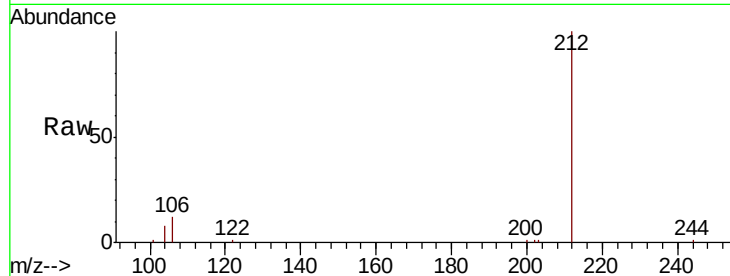
Tot Ion:212 Resp: 7511

Ion Ratio Lower Upper

212 100

106 11.5 9.2 13.8

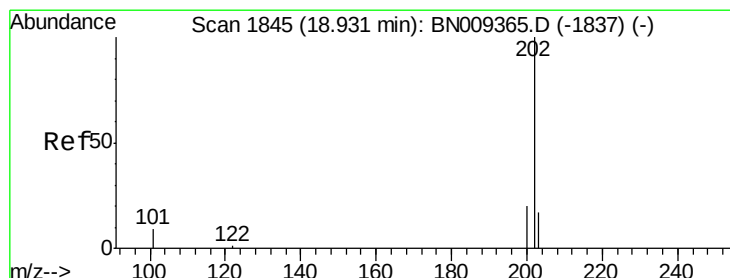
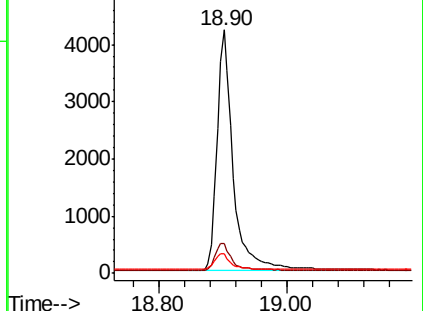
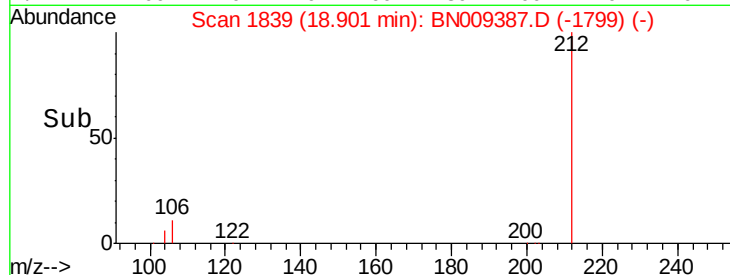
104 6.5 5.4 8.0



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.082 ng

RT: 18.93 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

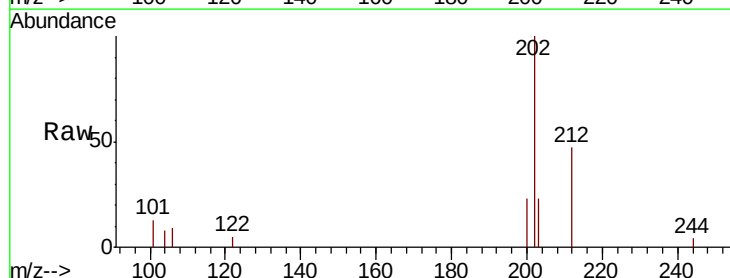
Tgt Ion:202 Resp: 2099

Ion Ratio Lower Upper

202 100

101 9.5 8.0 12.0

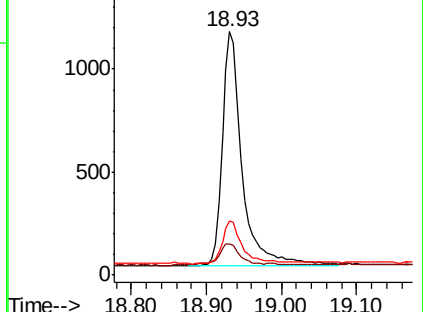
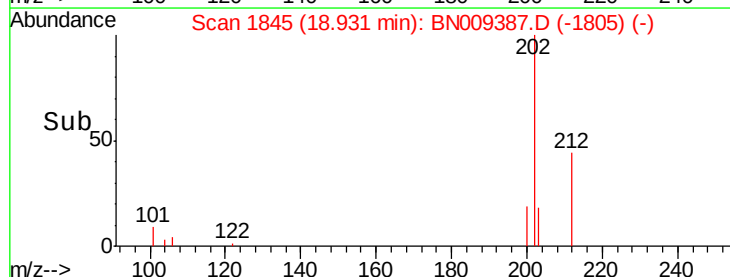
203 19.2 13.5 20.3

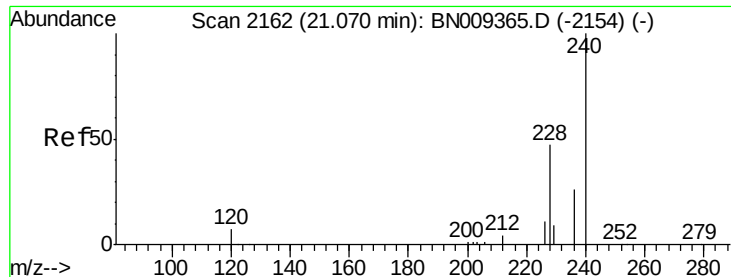


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

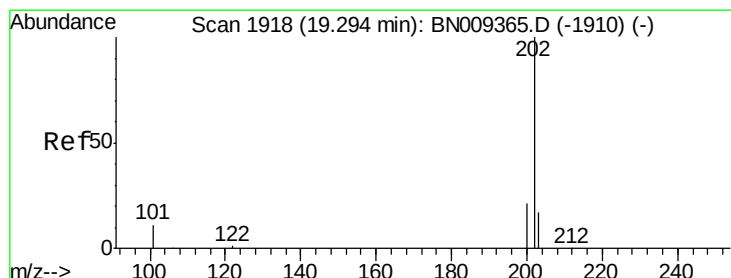
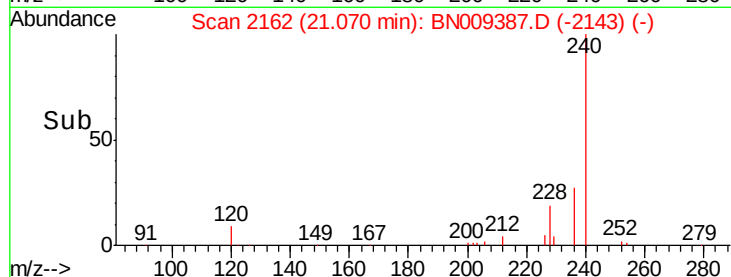
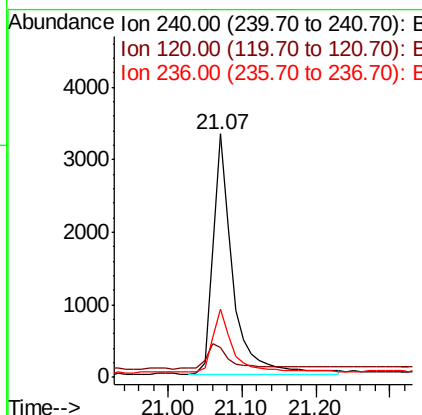
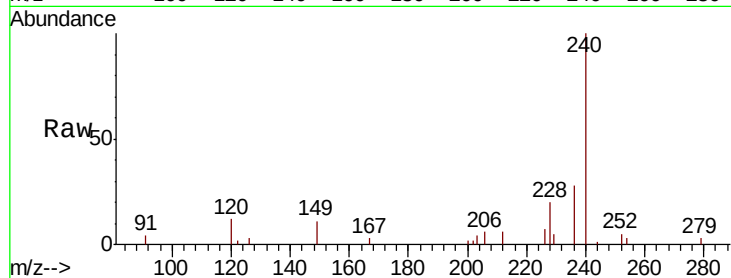




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.07 min Scan# 2162  
Delta R.T. -0.00 min  
Lab File: BN009387.D  
Acq: 16 Jan 2020 16:35

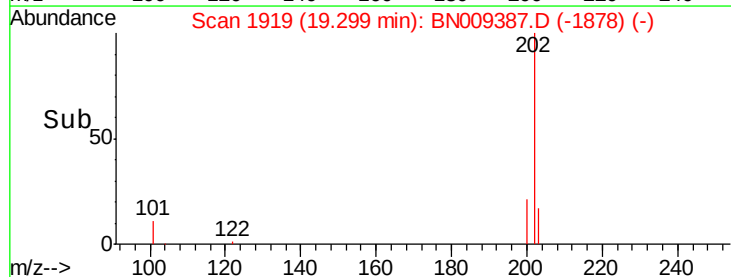
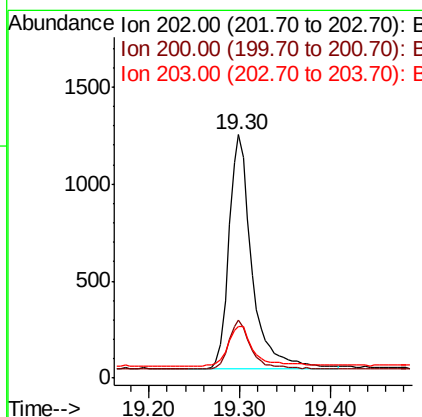
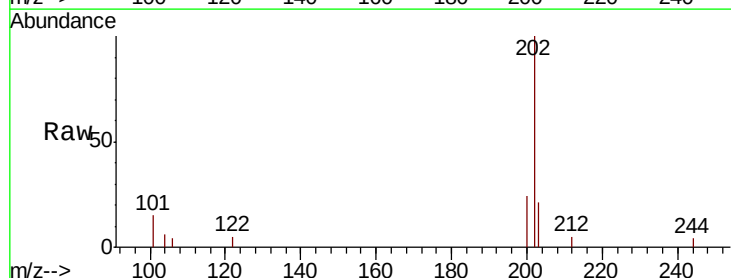
Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:240 Resp: 6188  
Ion Ratio Lower Upper  
240 100  
120 12.2 8.1 12.1#  
236 28.1 22.2 33.4

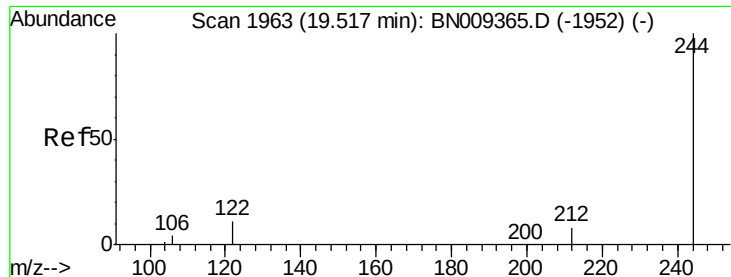


#28  
Pyrene  
Concen: 0.090 ng  
RT: 19.30 min Scan# 1919  
Delta R.T. 0.00 min  
Lab File: BN009387.D  
Acq: 16 Jan 2020 16:35

Tgt Ion:202 Resp: 2118  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.2 24.2  
203 19.6 14.1 21.1







#29

Terphenyl-d14

Concen: 0.404 ng

RT: 19.51 min Scan# 1962

Delta R.T. -0.01 min

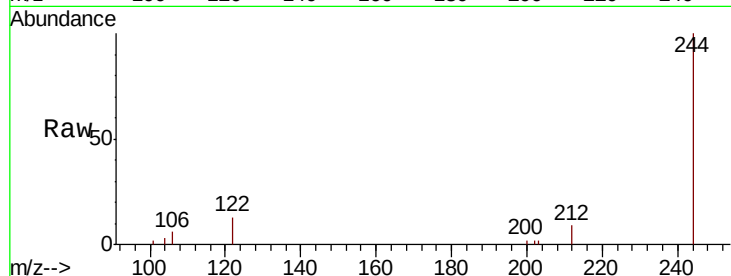
Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampled :



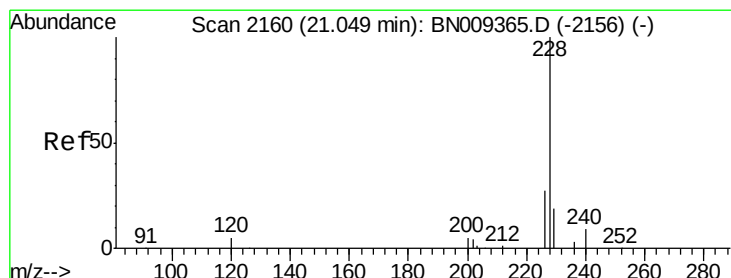
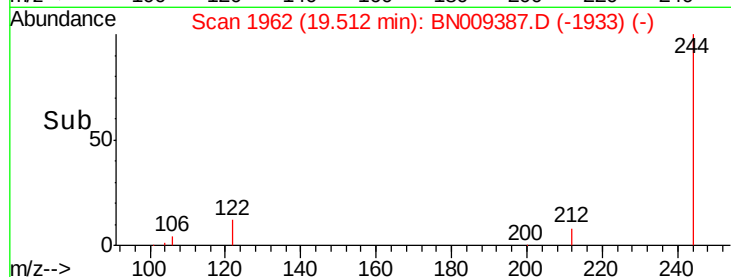
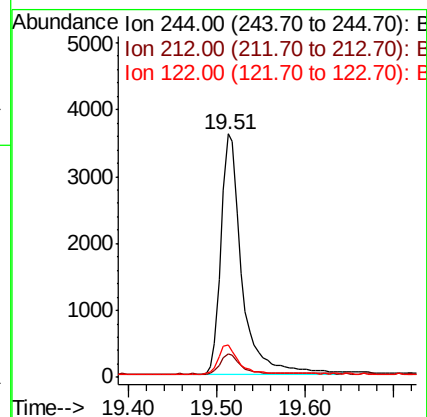
Tot Ion:244 Resp: 5920

Ion Ratio Lower Upper

244 100

212 9.4 7.5 11.3

122 13.2 9.8 14.6



#30

Benzo(a)anthracene

Concen: 0.077 ng

RT: 21.06 min Scan# 2161

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

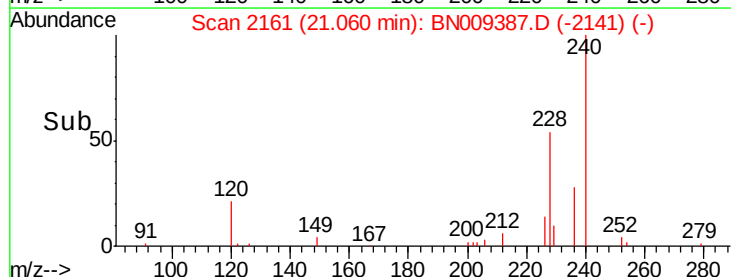
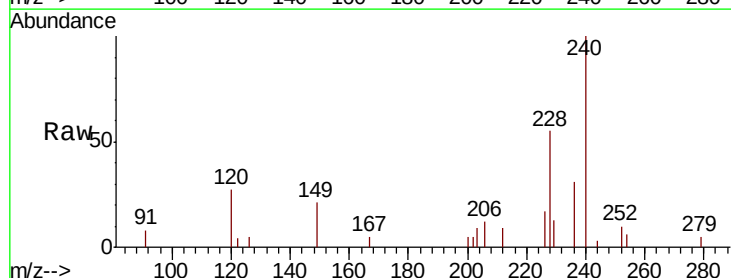
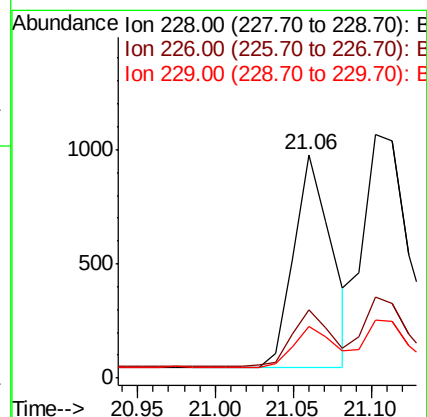
Tgt Ion:228 Resp: 1564

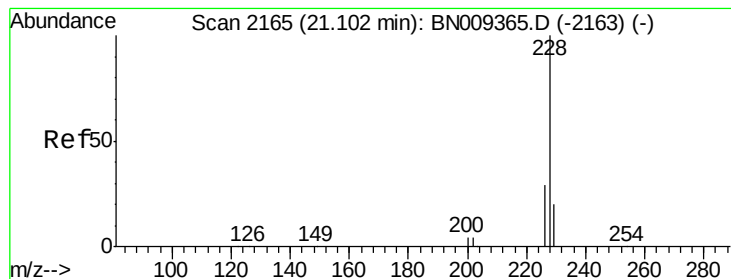
Ion Ratio Lower Upper

228 100

226 30.5 22.5 33.7

229 23.0 16.1 24.1





#31

Chrysene

Concen: 0.093 ng

RT: 21.10 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampleId :

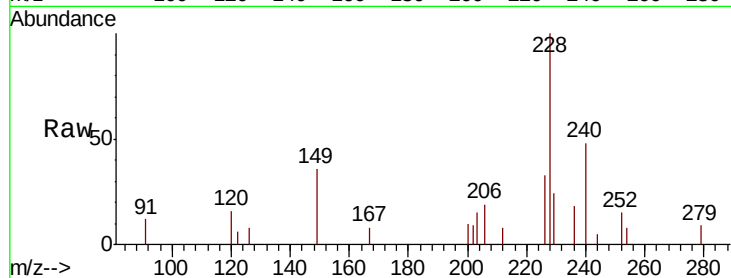
Tot Ion:228 Resp: 2159

Ion Ratio Lower Upper

228 100

226 33.1 23.8 35.8

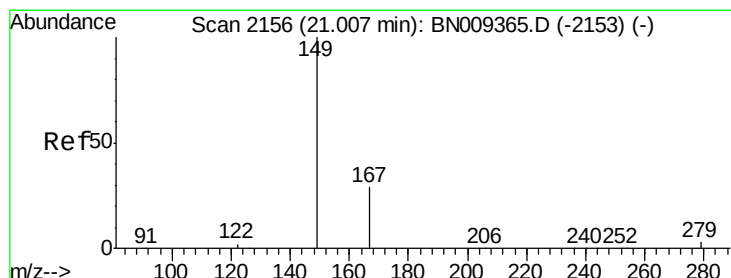
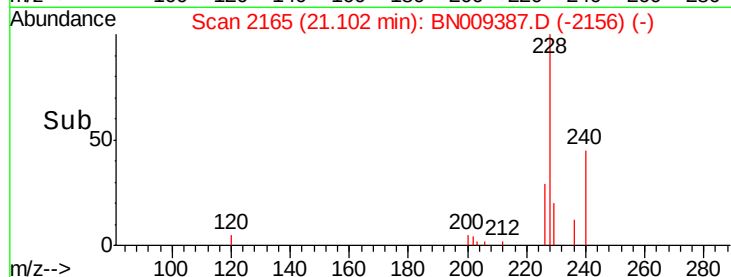
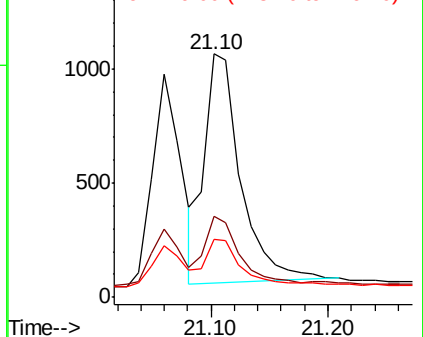
229 23.7 16.6 24.8



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: 0.095 ng

RT: 21.01 min Scan# 2156

Delta R.T. -0.00 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

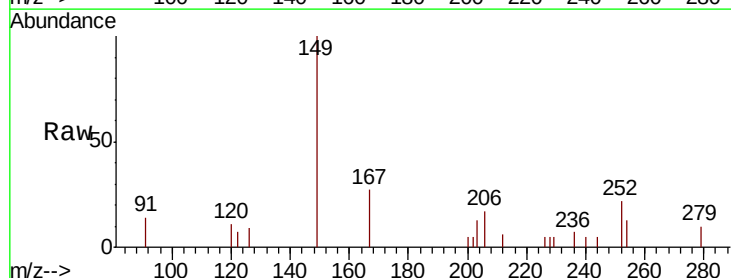
Tgt Ion:149 Resp: 858

Ion Ratio Lower Upper

149 100

167 28.3 22.9 34.3

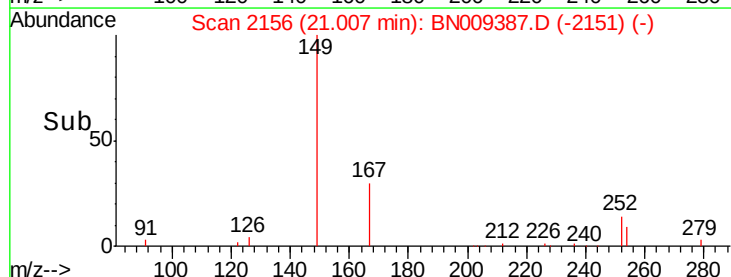
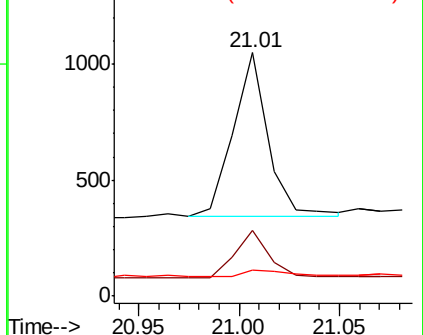
279 5.5 3.4 5.0#

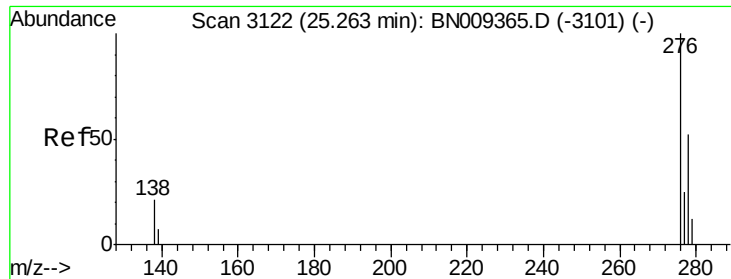


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.078 ng

RT: 25.29 min Scan# 3129

Delta R.T. 0.02 min

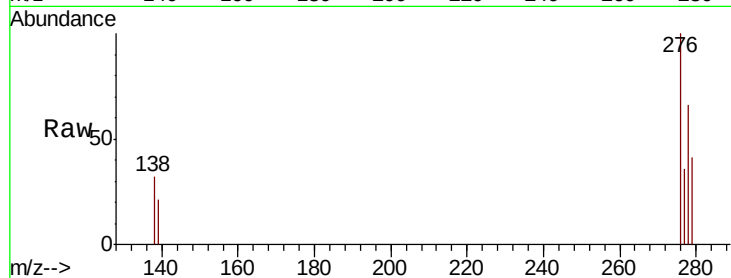
Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampleId :



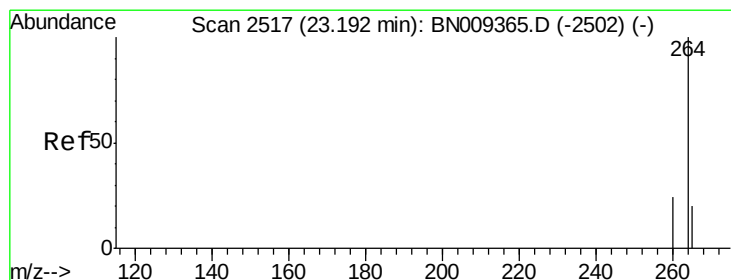
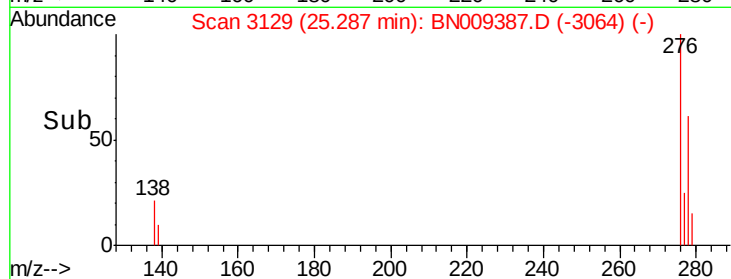
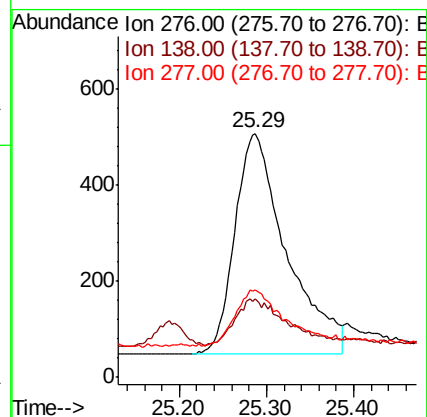
Tot Ion:276 Resp: 1887

Ion Ratio Lower Upper

276 100

138 17.3 15.9 23.9

277 24.6 19.8 29.6



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.19 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

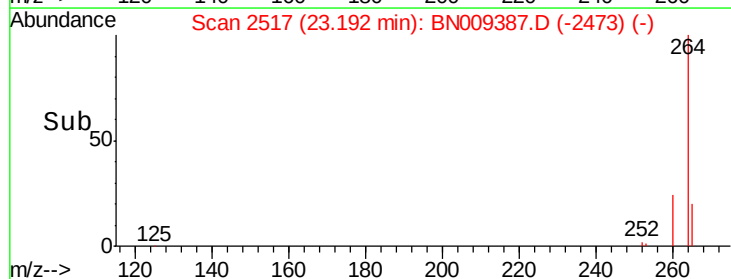
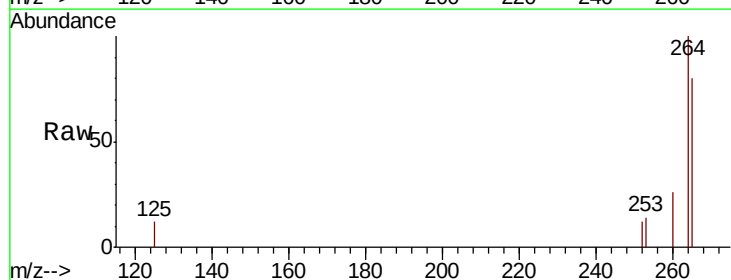
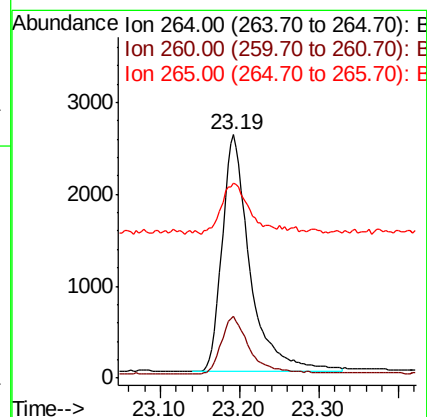
Tgt Ion:264 Resp: 6362

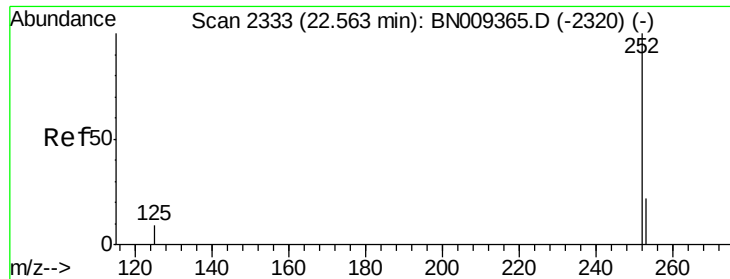
Ion Ratio Lower Upper

264 100

260 25.6 20.1 30.1

265 80.1 68.2 102.4





#35

Benzo(b)fluoranthene

Concen: 0.083 ng

RT: 22.57 min Scan# 2336

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampleId :

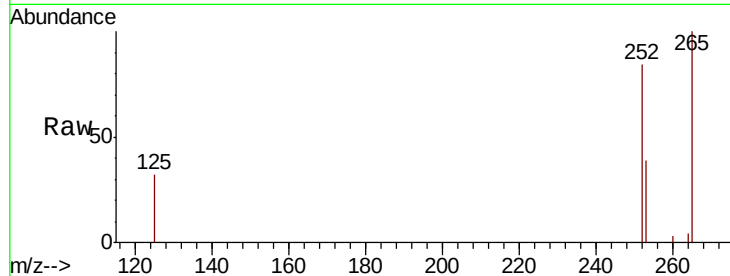
Tot Ion:252 Resp: 1932

Ion Ratio Lower Upper

252 100

253 46.2 22.4 33.6#

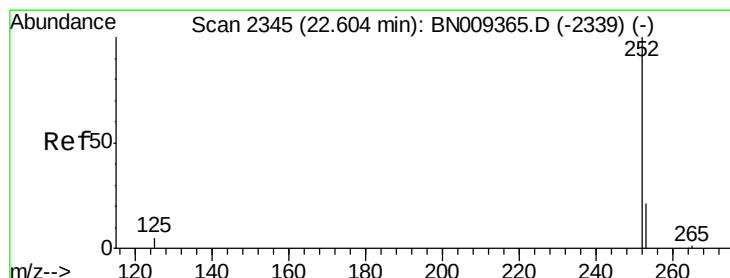
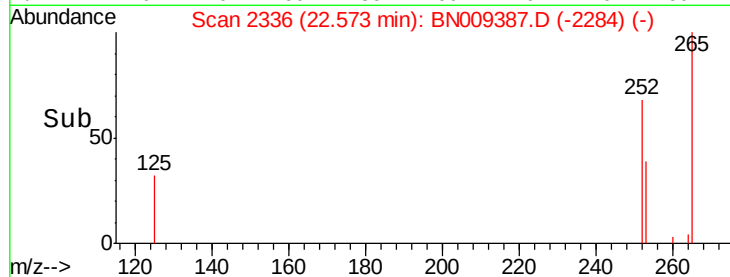
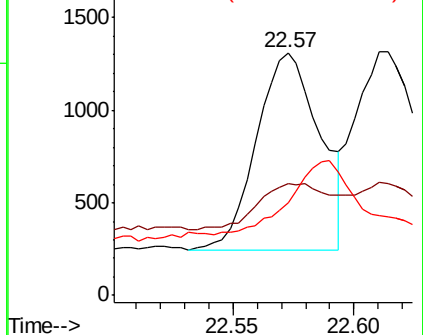
125 38.3 11.6 17.4#



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: 0.090 ng

RT: 22.61 min Scan# 2347

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

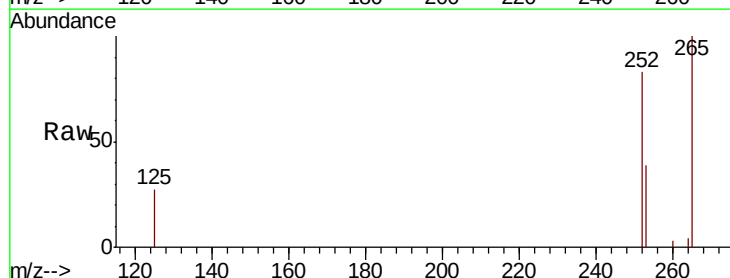
Tgt Ion:252 Resp: 2323

Ion Ratio Lower Upper

252 100

253 46.4 21.9 32.9#

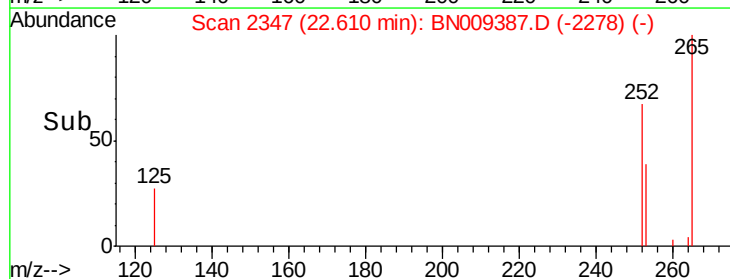
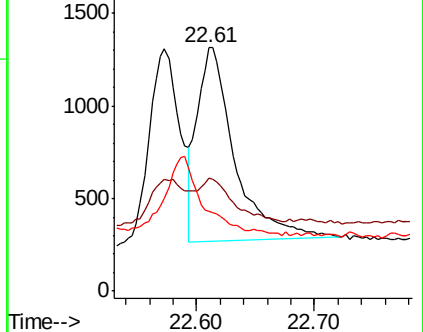
125 32.8 12.0 18.0#

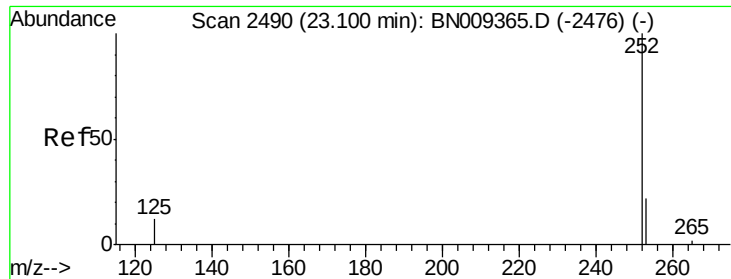


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.091 ng

RT: 23.11 min Scan# 2494

Delta R.T. 0.01 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampled :

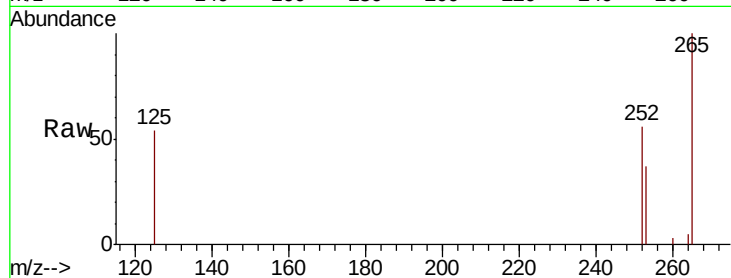
Tot Ion: 252 Resp: 1884

Ion Ratio Lower Upper

252 100

253 66.1 25.4 38.0#

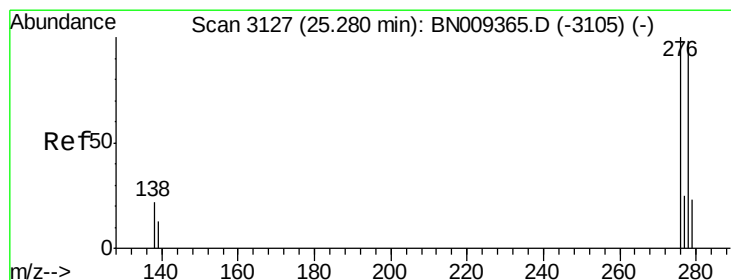
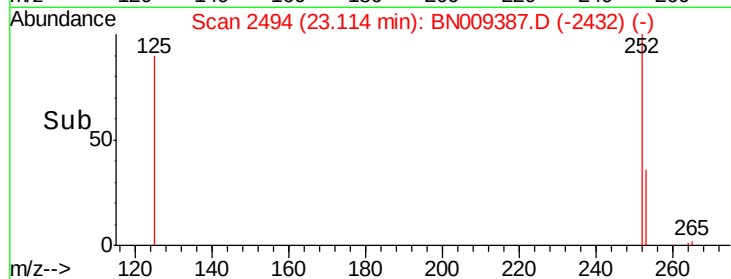
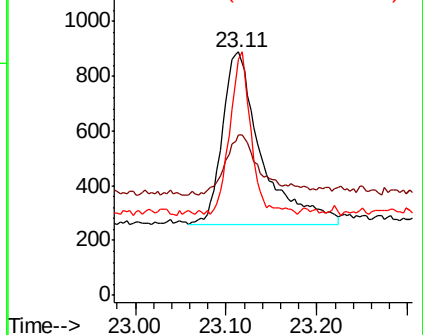
125 96.7 16.2 24.2#



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: 0.079 ng

RT: 25.30 min Scan# 3132

Delta R.T. 0.02 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

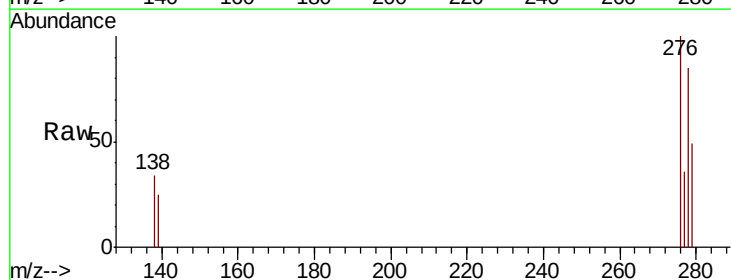
Tgt Ion: 278 Resp: 1634

Ion Ratio Lower Upper

278 100

139 28.9 14.5 21.7#

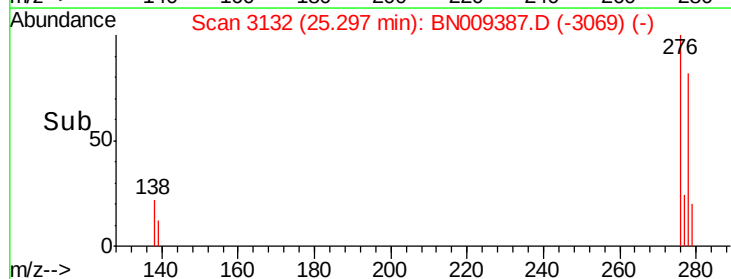
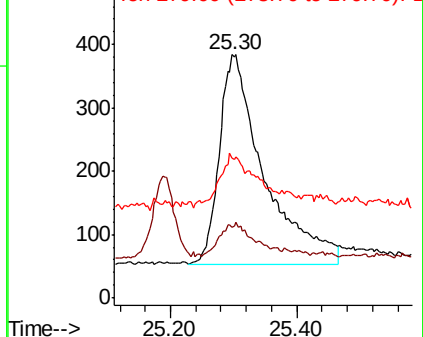
279 57.6 24.2 36.4#

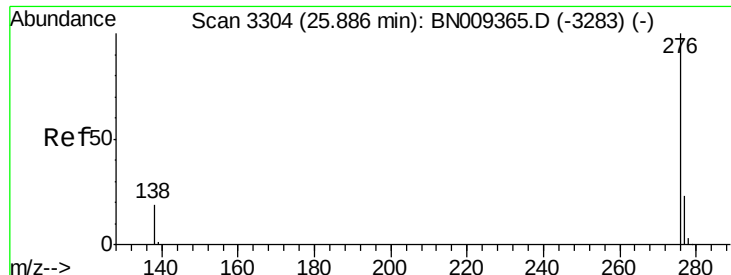


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.085 ng

RT: 25.91 min Scan# 3310

Delta R.T. 0.02 min

Lab File: BN009387.D

Acq: 16 Jan 2020 16:35

Instrument :

BNA\_N

ClientSampleId :

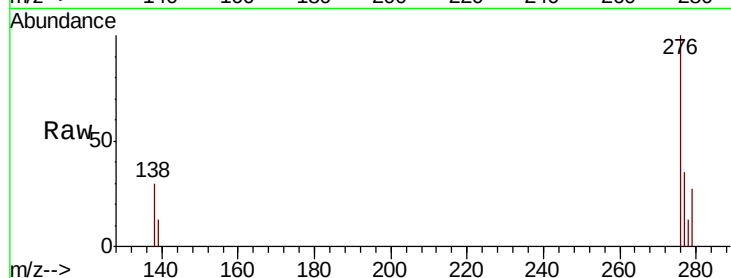
Tot Ion: 276 Resp: 1945

Ion Ratio Lower Upper

276 100

277 34.8 20.6 30.8#

138 30.3 17.1 25.7#



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

