

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072820\  
 Data File : BN011282.D  
 Acq On : 28 Jul 2020 16:18  
 Operator : CG/JU  
 Sample : PB130451BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB130451BS

Quant Time: Jul 28 16:53:46 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN072820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 28 14:38:05 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.48  | 152  | 1839     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.22 | 136  | 6575     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.10 | 164  | 3724     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.86 | 188  | 7804     | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12          | 21.09 | 240  | 4885     | 0.40 | ng    | 0.00     |
| 36) Perylene-d12          | 23.22 | 264  | 5539     | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| System Monitoring Compounds |       |     |      |      |    |      |
| 4) 2-Fluorophenol           | 5.14  | 112 | 1714 | 0.35 | ng | 0.00 |
| 5) Phenol-d6                | 6.68  | 99  | 2086 | 0.35 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.63  | 82  | 2193 | 0.37 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.82 | 152 | 4396 | 0.37 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.61 | 330 | 574  | 0.33 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.72 | 172 | 6533 | 0.41 | ng | 0.00 |
| 27) Fluoranthene-d10        | 18.91 | 212 | 8713 | 0.37 | ng | 0.00 |
| 31) Terphenyl-d14           | 19.53 | 244 | 5945 | 0.40 | ng | 0.00 |

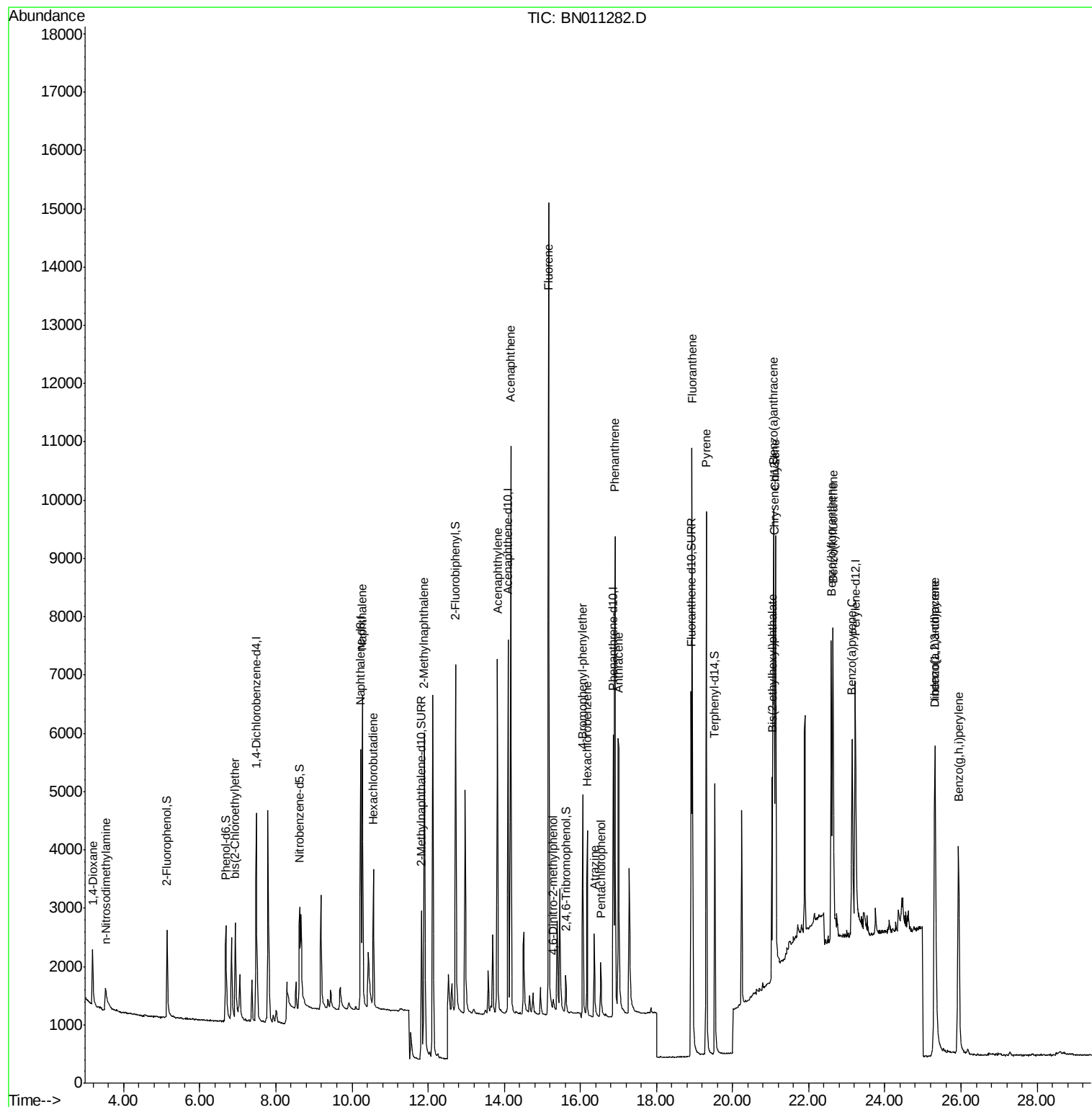
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.19  | 88  | 980   | 0.379  | ng | 97   |
| 3) n-Nitrosodimethylamine      | 3.53  | 42  | 504   | 0.380  | ng | # 83 |
| 6) bis(2-Chloroethyl)ether     | 6.93  | 93  | 1733  | 0.354  | ng | 99   |
| 9) Naphthalene                 | 10.28 | 128 | 7370  | 0.378  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.57 | 225 | 1817  | 0.385  | ng | # 98 |
| 12) 2-Methylnaphthalene        | 11.90 | 142 | 5028  | 0.364  | ng | 97   |
| 16) Acenaphthylene             | 13.82 | 152 | 7182  | 0.375  | ng | 100  |
| 17) Acenaphthene               | 14.17 | 154 | 4631  | 0.370  | ng | 99   |
| 18) Fluorene                   | 15.17 | 166 | 6394  | 0.399  | ng | 98   |
| 20) 4,6-Dinitro-2-methylphenol | 15.28 | 198 | 341   | 0.402  | ng | 99   |
| 21) 4-Bromophenyl-phenylether  | 16.07 | 248 | 2119  | 0.410  | ng | 98   |
| 22) Hexachlorobenzene          | 16.18 | 284 | 2311  | 0.394  | ng | 96   |
| 23) Atrazine                   | 16.36 | 200 | 1444  | 0.358  | ng | 99   |
| 24) Pentachlorophenol          | 16.53 | 266 | 586   | 0.322  | ng | 94   |
| 25) Phenanthrene               | 16.91 | 178 | 9285  | 0.366  | ng | 100  |
| 26) Anthracene                 | 16.99 | 178 | 6970  | 0.330  | ng | 99   |
| 28) Fluoranthene               | 18.94 | 202 | 10427 | 0.361  | ng | 100  |
| 30) Pvrene                     | 19.31 | 202 | 9754  | 0.443  | ng | 100  |
| 32) Benzo(a)anthracene         | 21.08 | 228 | 6073  | 0.371  | ng | 99   |
| 33) Chrysene                   | 21.12 | 228 | 7597  | 0.414  | ng | 99   |
| 34) Bis(2-ethylhexyl)phthalate | 21.04 | 149 | 3367  | 0.383  | ng | 99   |
| 35) Indeno(1,2,3-cd)pyrene     | 25.30 | 276 | 8027  | 0.448  | ng | 97   |
| 37) Benzo(b)fluoranthene       | 22.59 | 252 | 6496  | 0.294  | ng | 99   |
| 38) Benzo(k)fluoranthene       | 22.64 | 252 | 7813  | 0.321  | ng | 98   |
| 39) Benzo(a)pyrene             | 23.13 | 252 | 5930  | 0.309  | ng | 99   |
| 40) Dibenzo(a,h)anthracene     | 25.32 | 278 | 6404  | 0.323  | ng | 99   |
| 41) Benzo(g,h,i)perylene       | 25.93 | 276 | 7922  | 0.360  | ng | 98   |

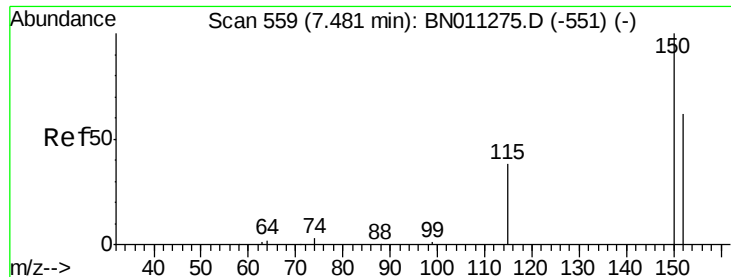
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 28 14:38:05 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.48 min Scan# 559

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

PB130451BS

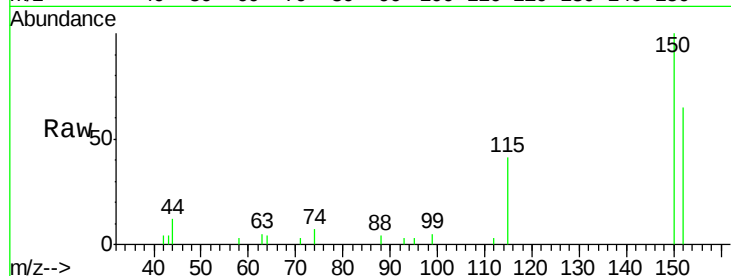
Tot Ion:152 Resp: 1839

Ion Ratio Lower Upper

152 100

150 153.9 126.5 189.7

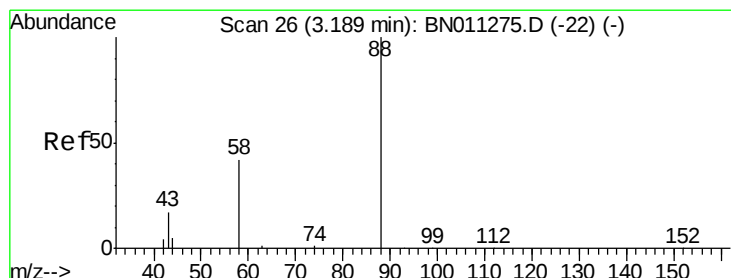
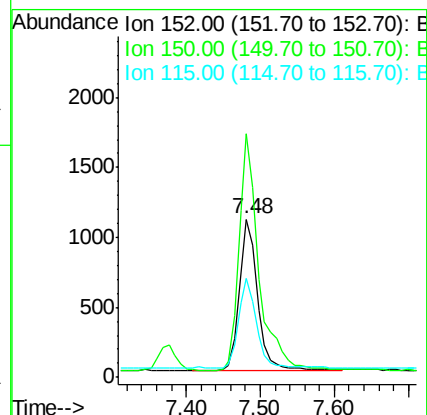
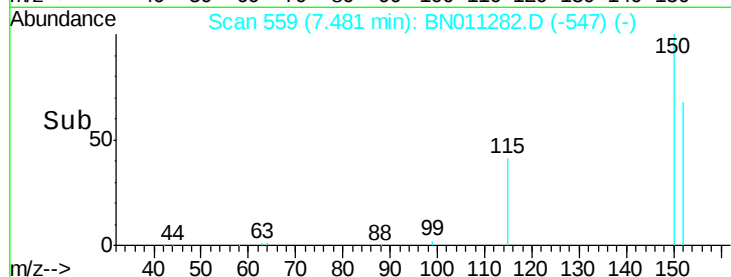
115 63.0 51.9 77.9



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: 0.379 ng

RT: 3.19 min Scan# 26

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

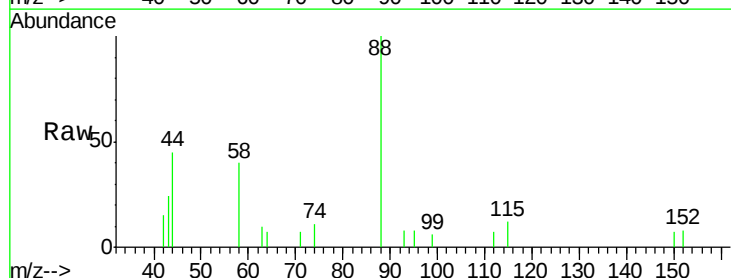
Tgt Ion: 88 Resp: 980

Ion Ratio Lower Upper

88 100

58 47.3 36.5 54.7

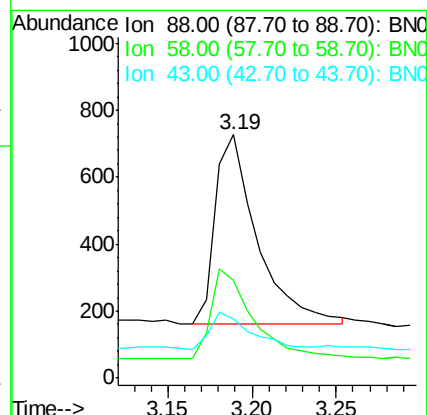
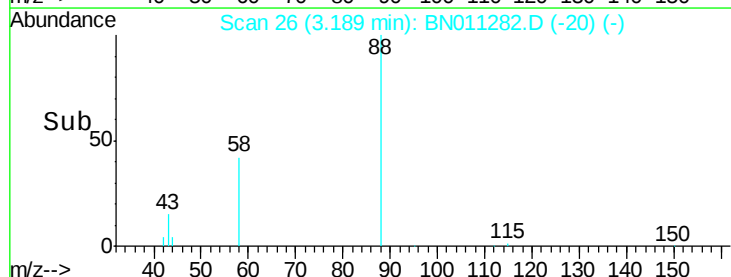
43 18.8 16.1 24.1

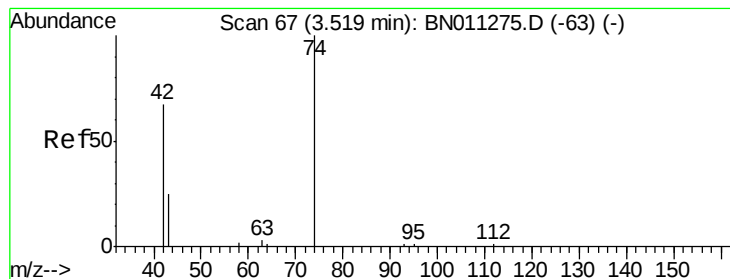


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.380 ng

RT: 3.53 min Scan# 68

Delta R.T. 0.01 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

PB130451BS

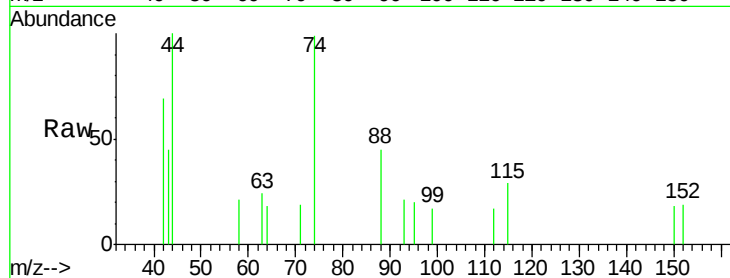
Tot Ion: 42 Resp: 504

Ion Ratio Lower Upper

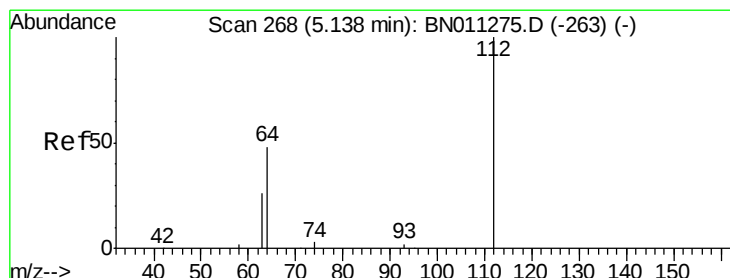
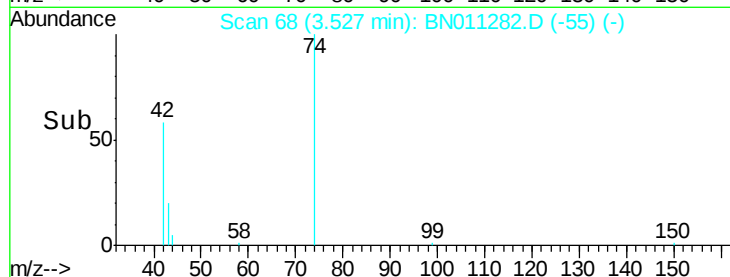
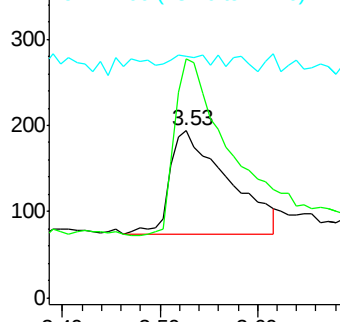
42 100

74 156.3 144.2 216.2

44 6.7 11.1 16.7#



Abundance Ion 42.00 (41.70 to 42.70): BN0  
Ion 74.00 (73.70 to 74.70): BN0  
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.355 ng

RT: 5.14 min Scan# 268

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

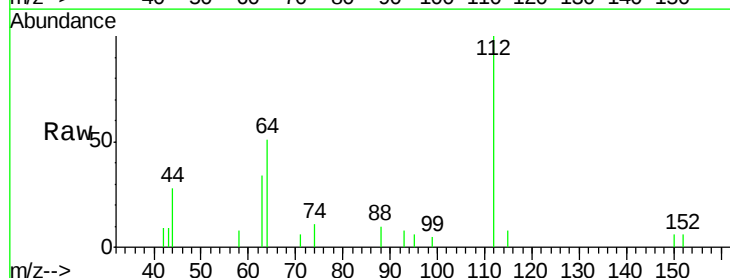
Tgt Ion: 112 Resp: 1714

Ion Ratio Lower Upper

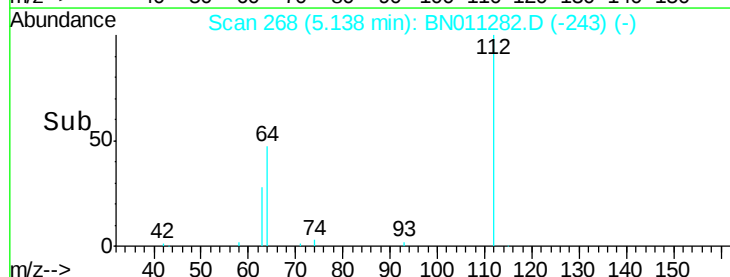
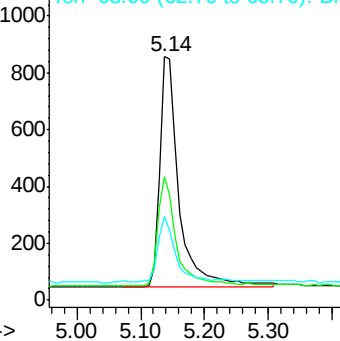
112 100

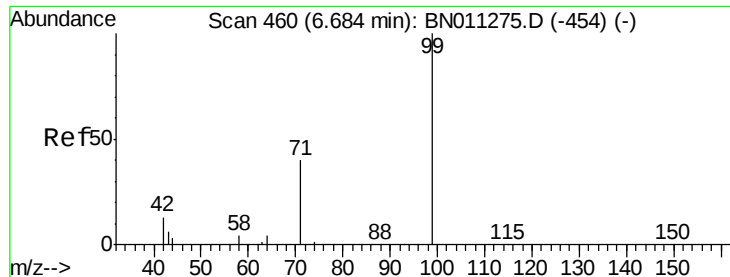
64 45.3 35.8 53.6

63 25.4 19.3 28.9



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BN0  
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.355 ng

RT: 6.68 min Scan# 460

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

PB130451BS

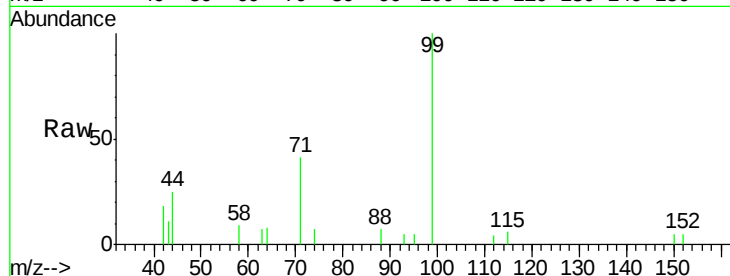
Tot Ion: 99 Resp: 2086

Ion Ratio Lower Upper

99 100

42 15.1 11.2 16.8

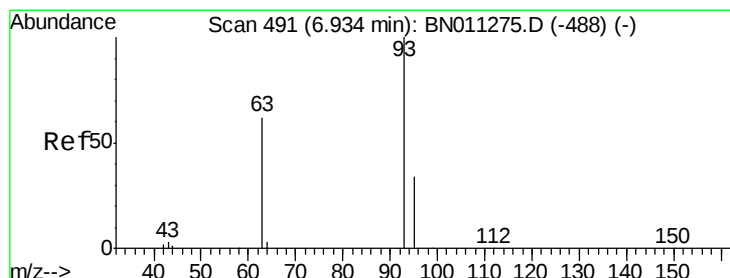
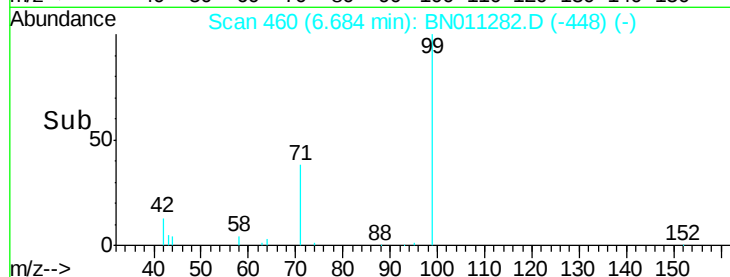
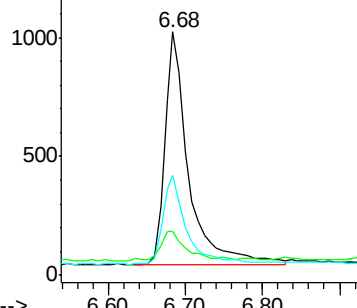
71 38.2 30.6 45.8



Abundance Ion 99.00 (98.70 to 99.70): BN011282.D (-466) (-)

Ion 42.00 (41.70 to 42.70): BN011282.D (-466) (-)

Ion 71.00 (70.70 to 71.70): BN011282.D (-466) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.354 ng

RT: 6.93 min Scan# 491

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

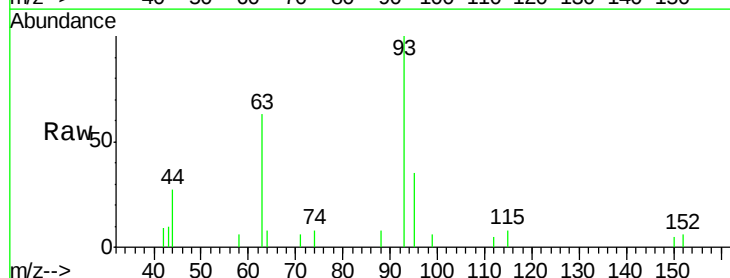
Tgt Ion: 93 Resp: 1733

Ion Ratio Lower Upper

93 100

63 60.8 47.8 71.6

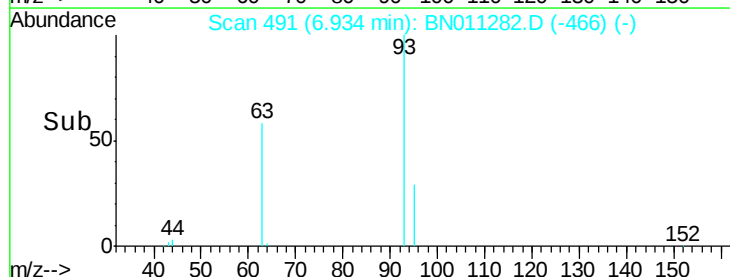
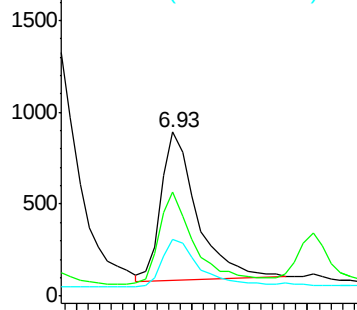
95 33.8 27.1 40.7

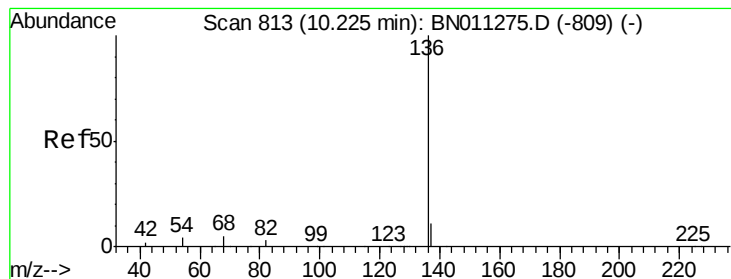


Abundance Ion 93.00 (92.70 to 93.70): BN011282.D (-466) (-)

Ion 63.00 (62.70 to 63.70): BN011282.D (-466) (-)

Ion 95.00 (94.70 to 95.70): BN011282.D (-466) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.22 min Scan# 813

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

PB130451BS

Tot Ion:136 Resp: 6575

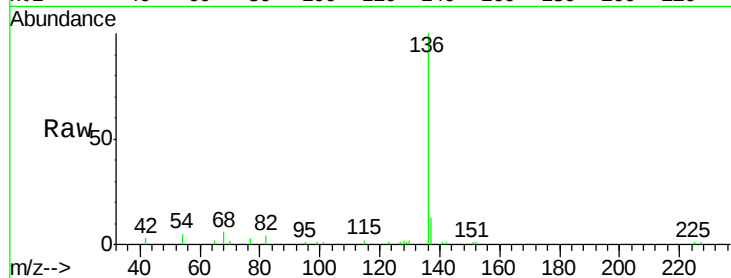
Ion Ratio Lower Upper

136 100

137 12.6 9.9 14.9

54 5.5 4.8 7.2

68 5.8 4.9 7.3

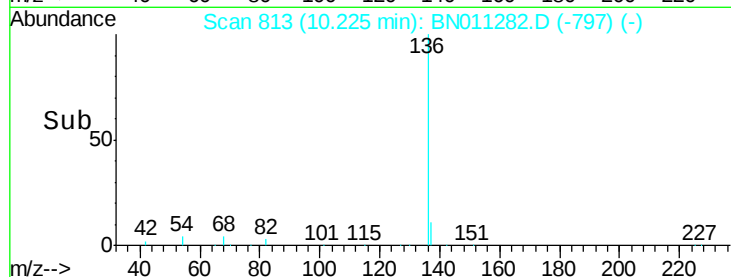


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

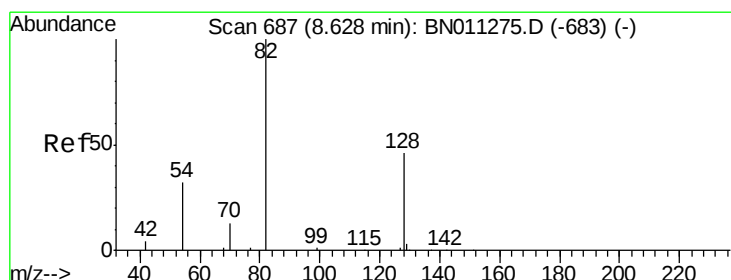
Ion 68.00 (67.70 to 68.70): BNC



Abundance

10.22

Time-->



#8

Nitrobenzene-d5

Concen: 0.374 ng

RT: 8.63 min Scan# 687

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

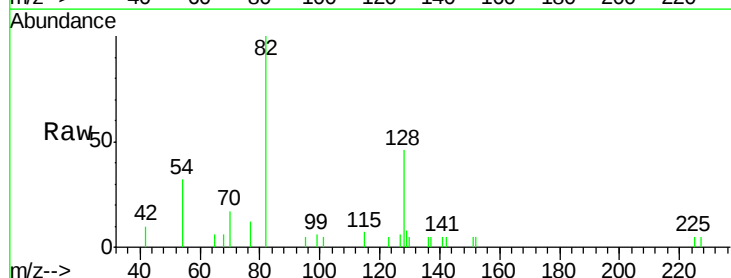
Tgt Ion: 82 Resp: 2193

Ion Ratio Lower Upper

82 100

128 45.9 40.1 60.1

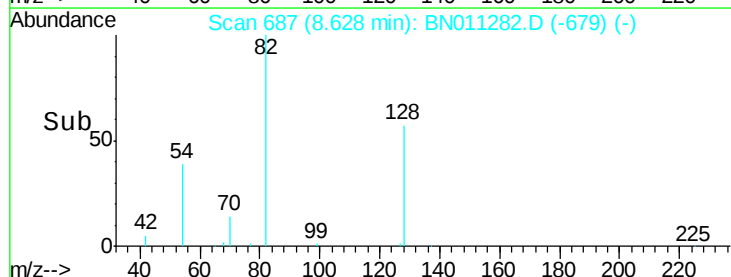
54 32.3 29.0 43.6



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

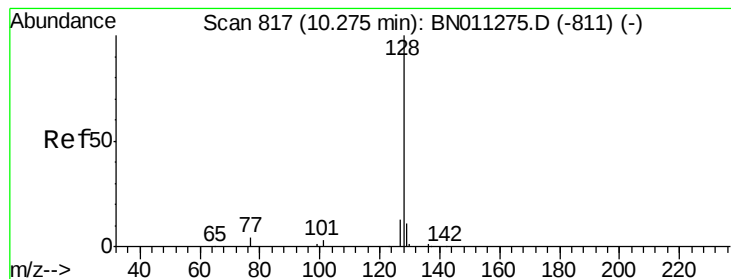
Ion 54.00 (53.70 to 54.70): BNC



Abundance

8.63

Time-->



#9

Naphthalene

Concen: 0.378 ng

RT: 10.28 min Scan# 817

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

PB130451BS

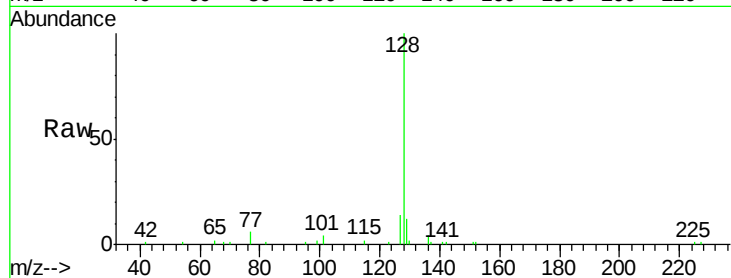
Tot Ion:128 Resp: 7370

Ion Ratio Lower Upper

128 100

129 12.0 9.7 14.5

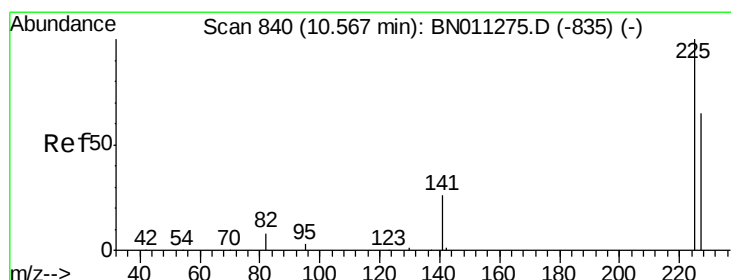
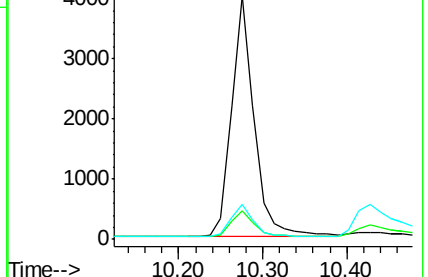
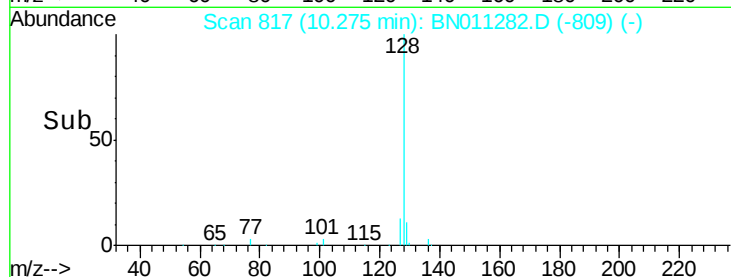
127 14.4 11.5 17.3



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: 0.385 ng

RT: 10.57 min Scan# 840

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

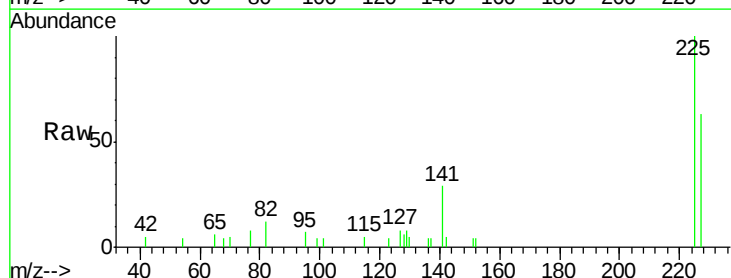
Tgt Ion:225 Resp: 1817

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

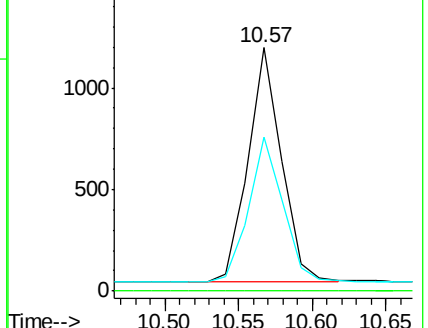
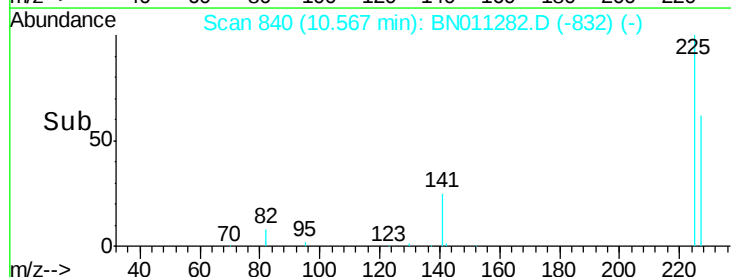
227 63.3 51.7 77.5

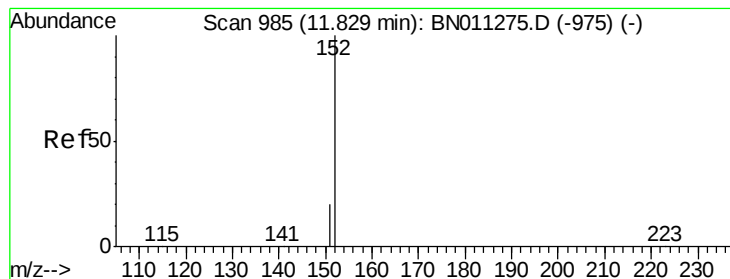


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.366 ng

RT: 11.82 min Scan# 984

Delta R.T. -0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

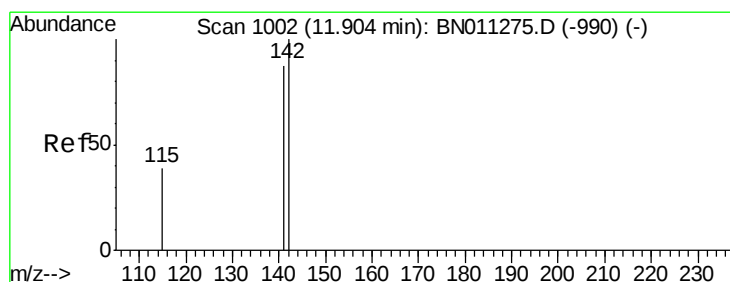
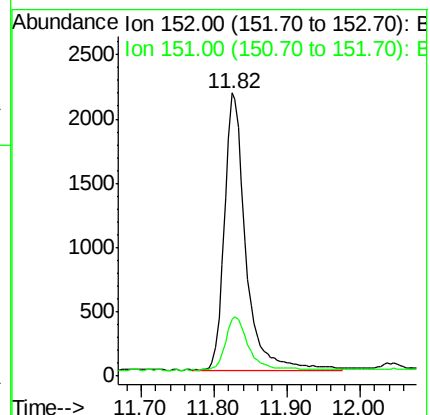
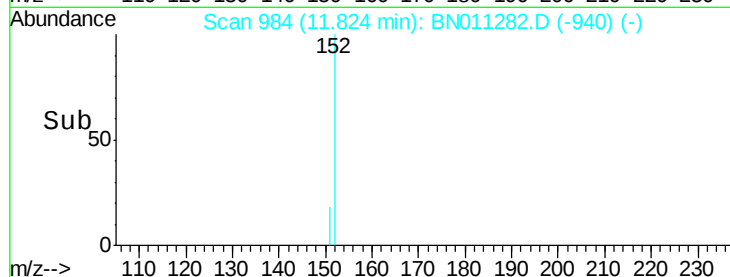
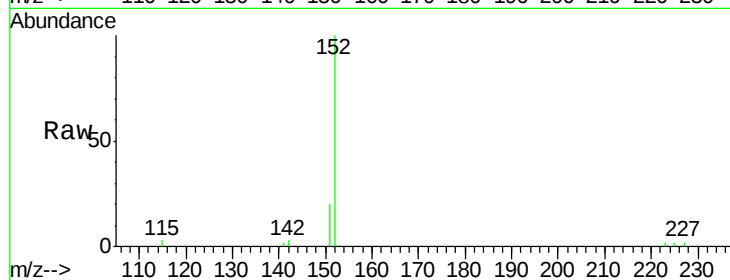
PB130451BS

Tot Ion:152 Resp: 4396

Ion Ratio Lower Upper

152 100

151 20.2 16.6 24.8



#12

2-Methylnaphthalene

Concen: 0.364 ng

RT: 11.90 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

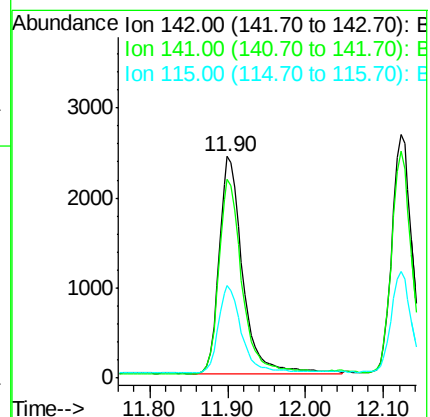
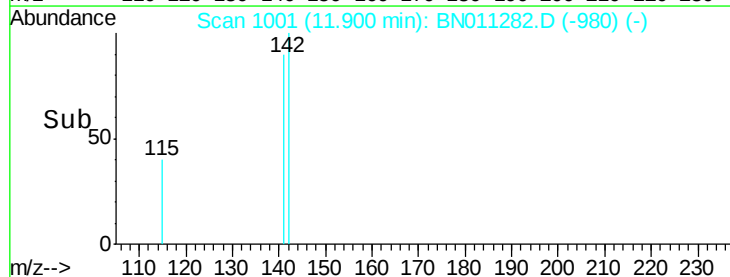
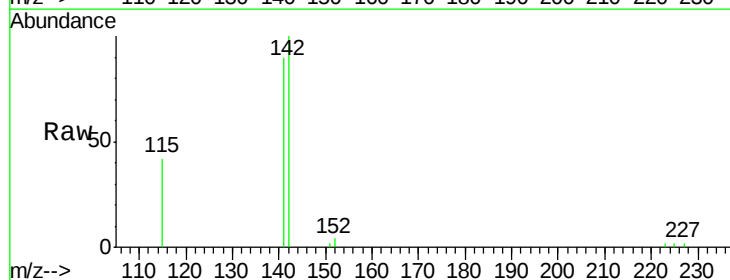
Tgt Ion:142 Resp: 5028

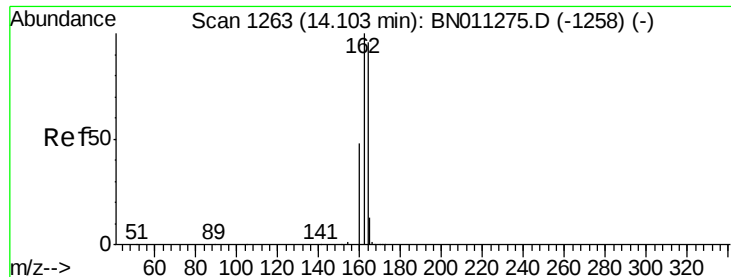
Ion Ratio Lower Upper

142 100

141 89.9 69.6 104.4

115 41.9 32.5 48.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.10 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

PB130451BS

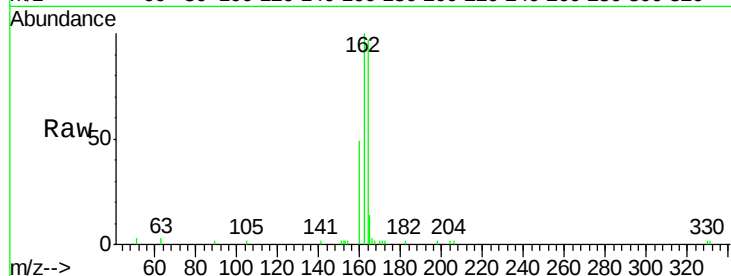
Tot Ion:164 Resp: 3724

Ion Ratio Lower Upper

164 100

162 103.3 83.6 125.4

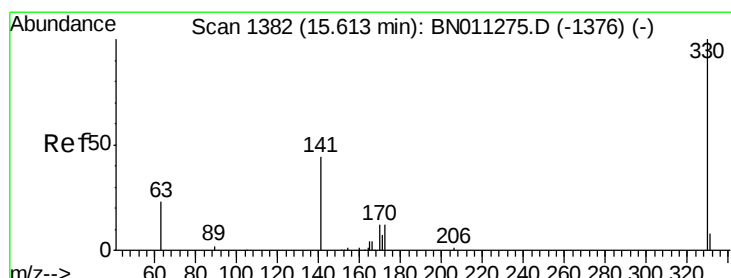
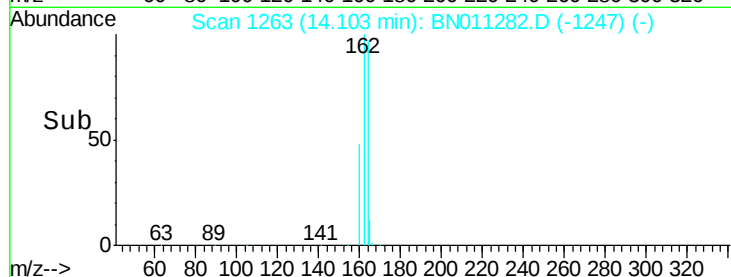
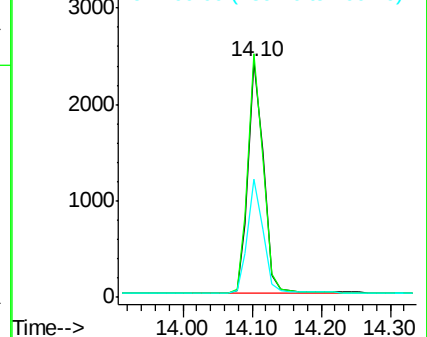
160 50.3 41.2 61.8



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: 0.334 ng

RT: 15.61 min Scan# 1382

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

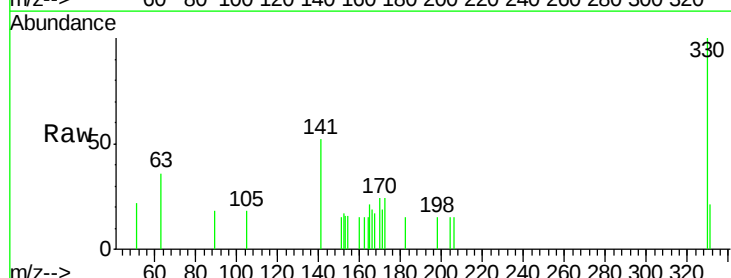
Tgt Ion:330 Resp: 574

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

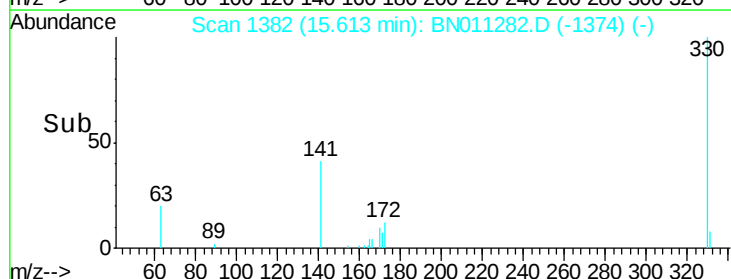
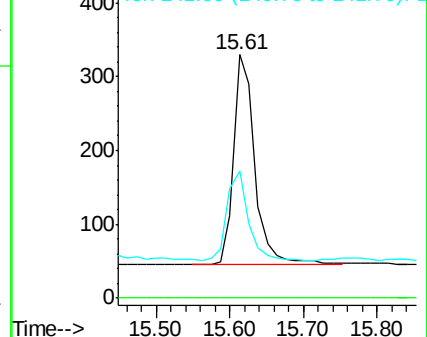
141 42.2 34.2 51.2

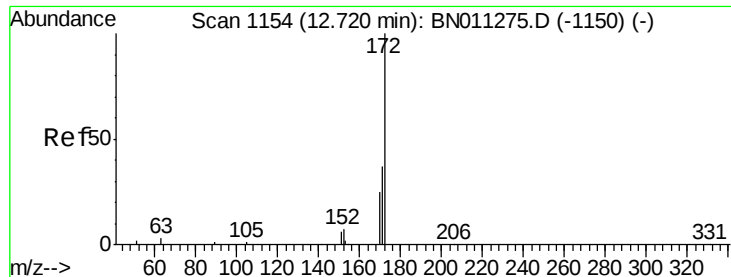


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

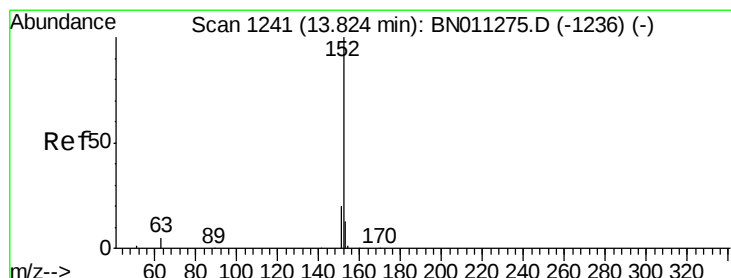
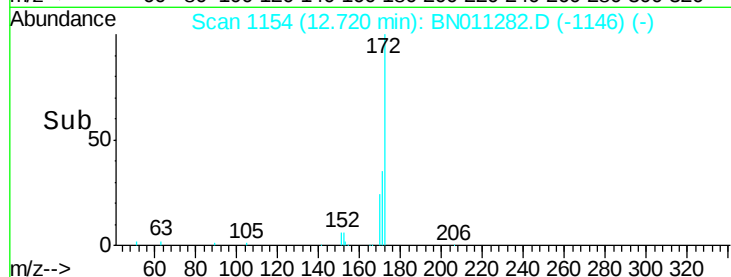
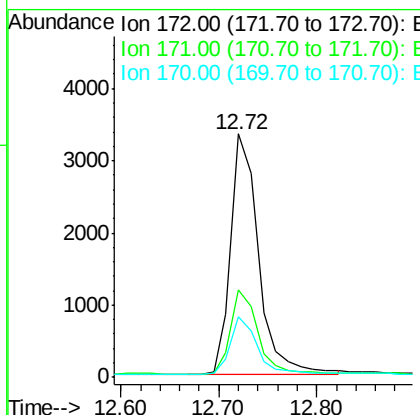
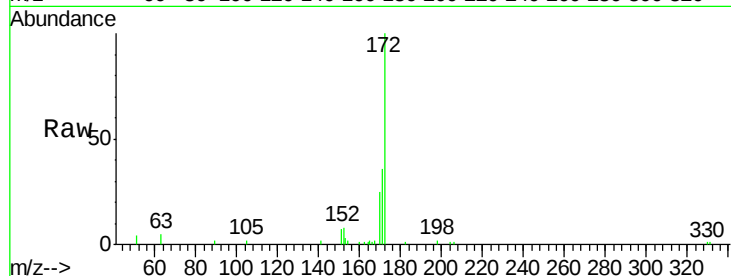




#15  
2-Fluorobiphenyl  
Concen: 0.406 ng  
RT: 12.72 min Scan# 1154  
Delta R.T. 0.00 min  
Lab File: BN011282.D  
Acq: 28 Jul 2020 16:18

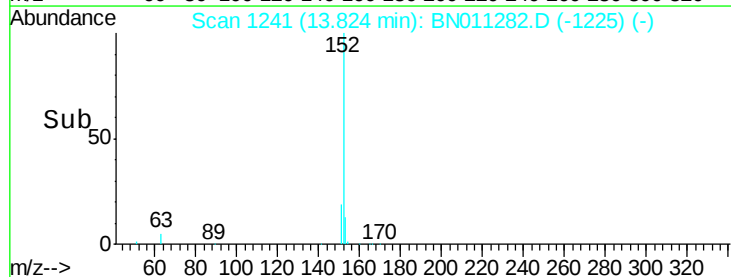
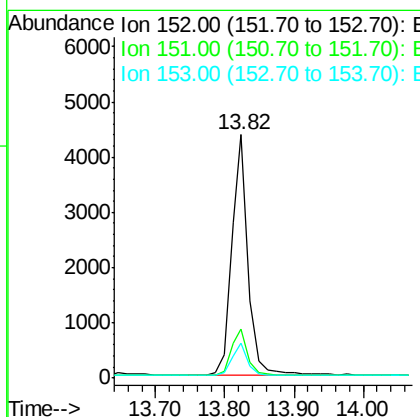
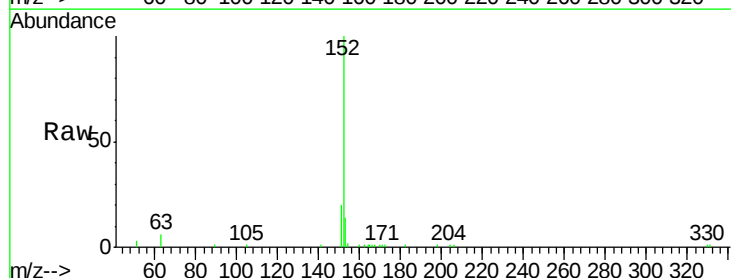
Instrument :  
BNA\_N  
ClientSampleId :  
PB130451BS

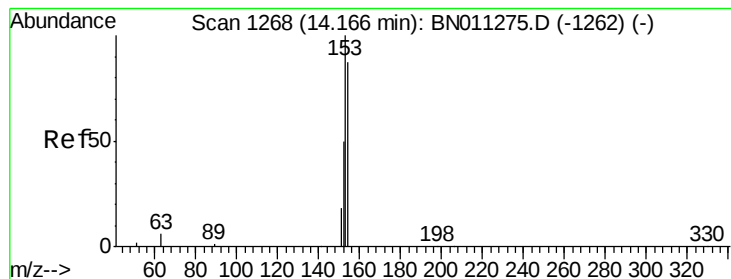
Tot Ion:172 Resp: 6533  
Ion Ratio Lower Upper  
172 100  
171 35.7 30.6 46.0  
170 24.6 21.0 31.4



#16  
Acenaphthylene  
Concen: 0.375 ng  
RT: 13.82 min Scan# 1241  
Delta R.T. 0.00 min  
Lab File: BN011282.D  
Acq: 28 Jul 2020 16:18

Tgt Ion:152 Resp: 7182  
Ion Ratio Lower Upper  
152 100  
151 19.8 15.8 23.8  
153 13.1 10.2 15.4





#17

Acenaphthene

Concen: 0.370 ng

RT: 14.17 min Scan# 1268

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

PB130451BS

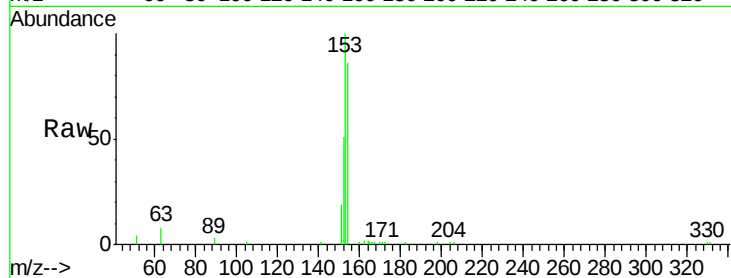
Tot Ion:154 Resp: 4631

Ion Ratio Lower Upper

154 100

153 115.1 91.3 136.9

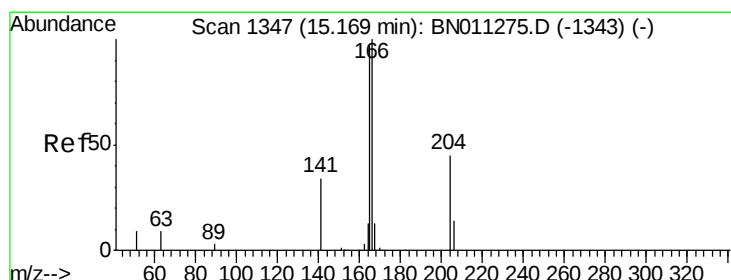
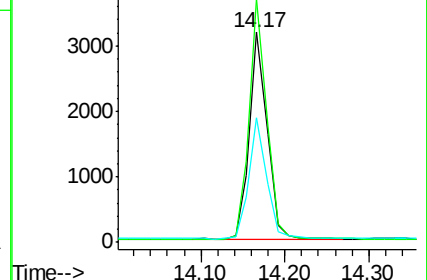
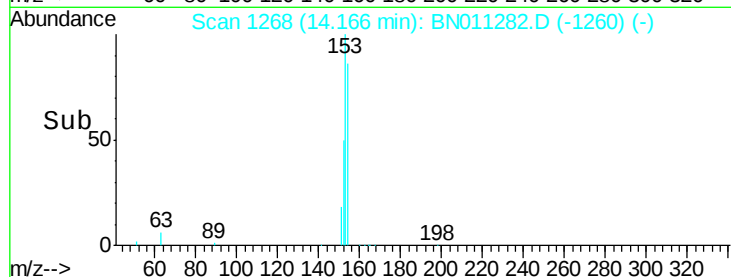
152 58.8 45.8 68.6



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: 0.399 ng

RT: 15.17 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

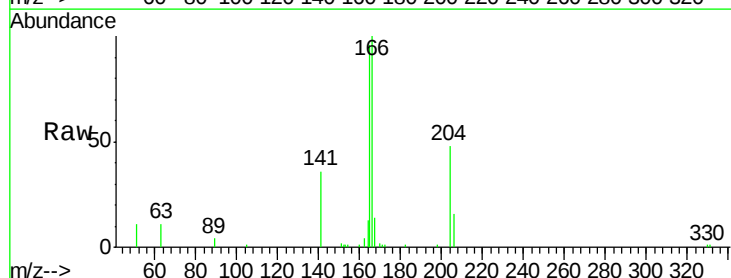
Tgt Ion:166 Resp: 6394

Ion Ratio Lower Upper

166 100

165 97.7 79.6 119.4

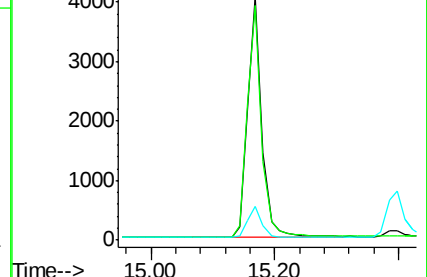
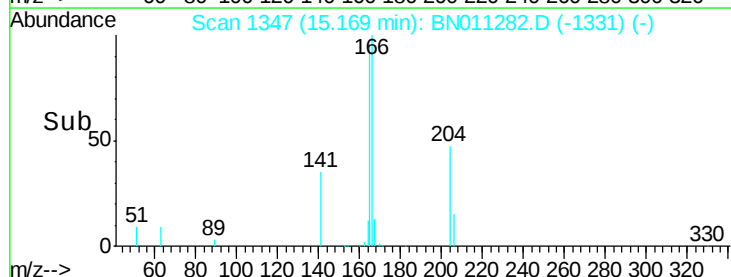
167 13.3 10.8 16.2

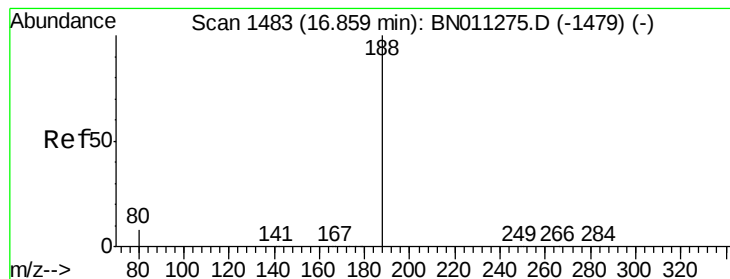


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1483

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

PB130451BS

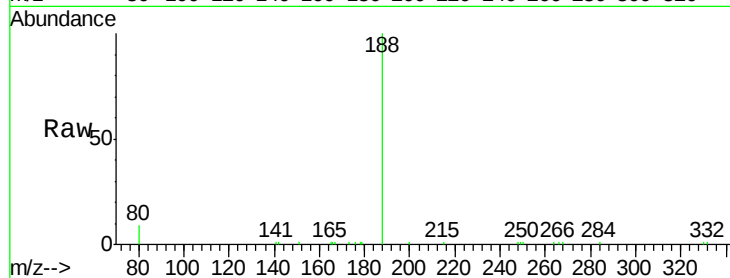
Tot Ion:188 Resp: 7804

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

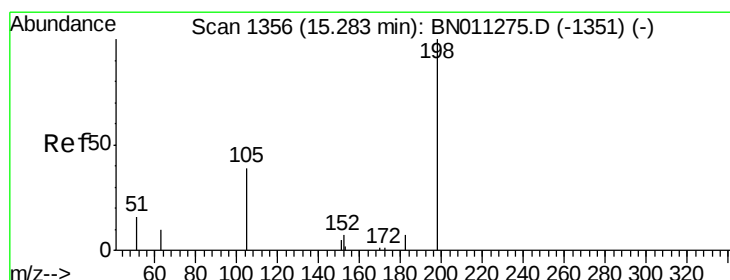
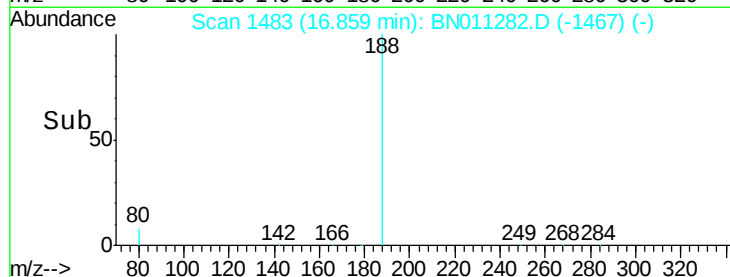
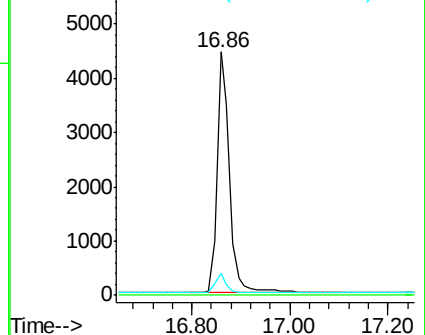
80 9.0 7.4 11.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4,6-Dinitro-2-methylphenol

Concen: 0.402 ng

RT: 15.28 min Scan# 1356

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

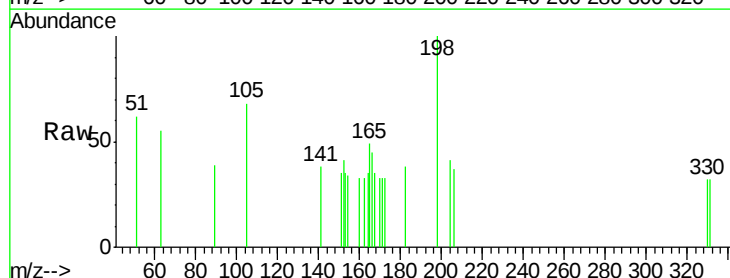
Tgt Ion:198 Resp: 341

Ion Ratio Lower Upper

198 100

51 61.7 49.0 73.6

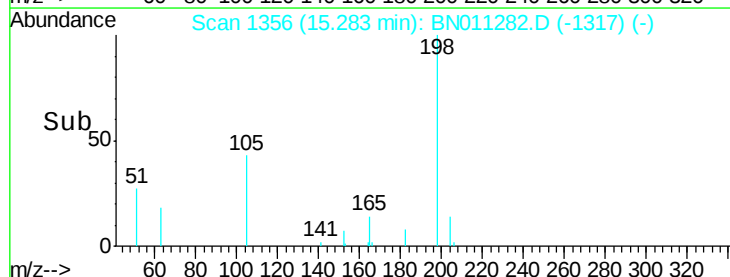
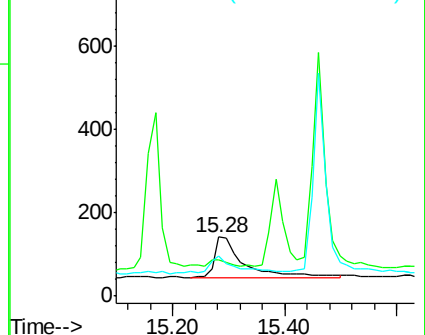
105 68.1 53.8 80.6

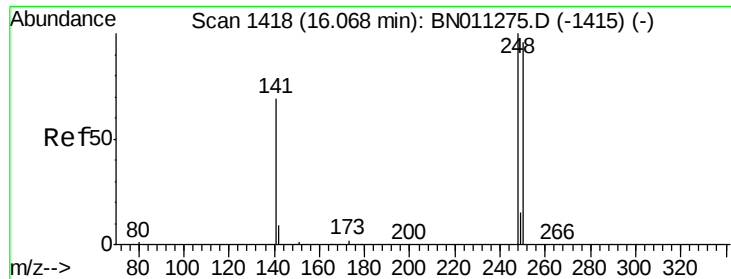


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNO

Ion 105.00 (104.70 to 105.70): E

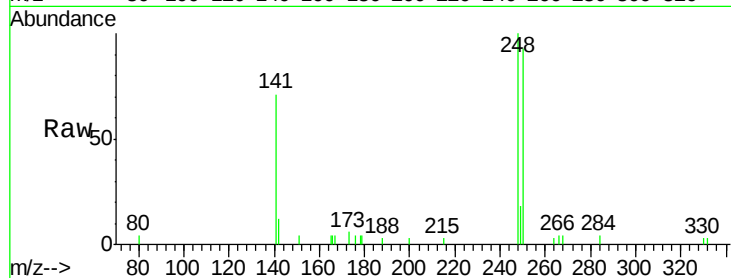




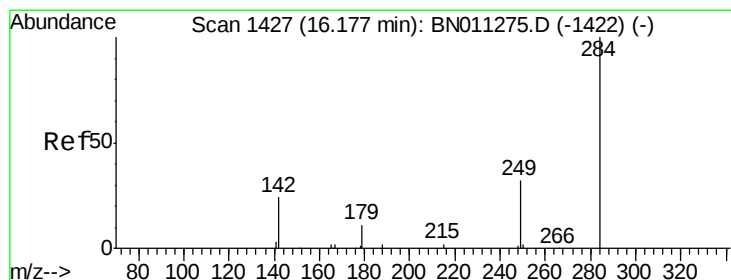
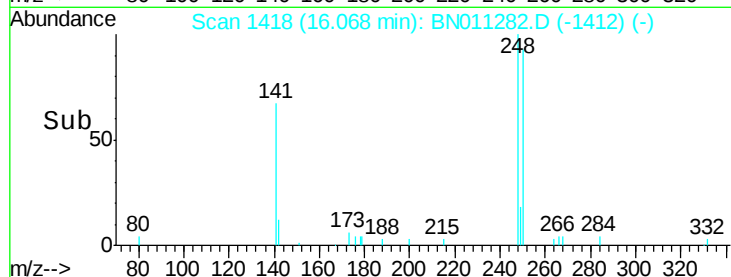
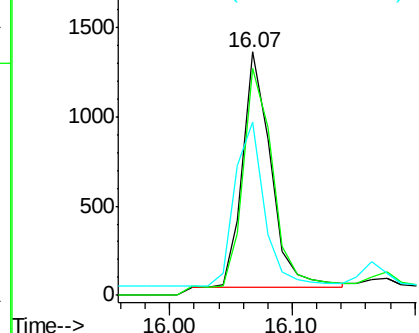
#21  
4-Bromophenyl-phenylether  
Concen: 0.410 ng  
RT: 16.07 min Scan# 1418  
Delta R.T. 0.00 min  
Lab File: BN011282.D  
Acq: 28 Jul 2020 16:18

Instrument :  
BNA\_N  
ClientSampleId :  
PB130451BS

Tot Ion:248 Resp: 2119  
Ion Ratio Lower Upper  
248 100  
250 93.2 77.2 115.8  
141 71.0 56.5 84.7

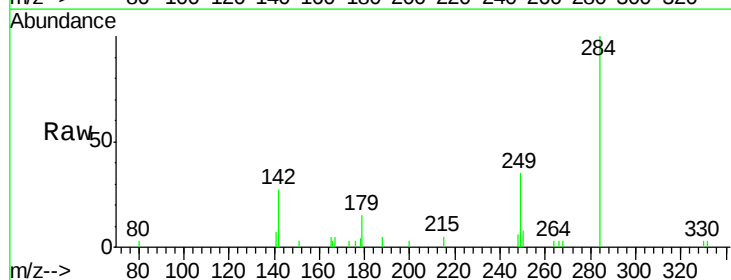


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

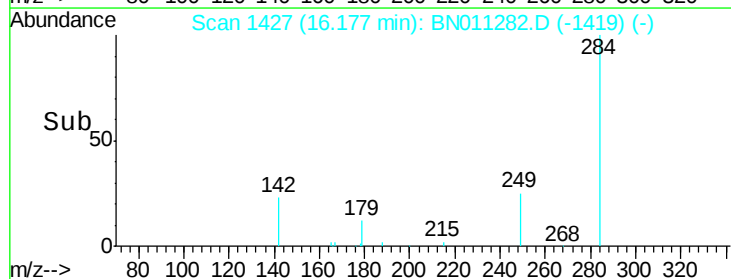
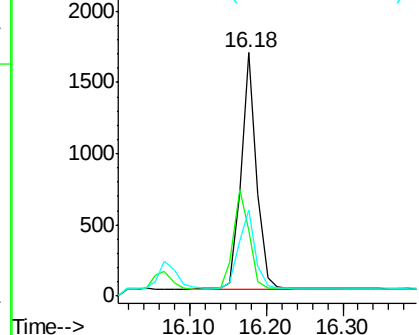


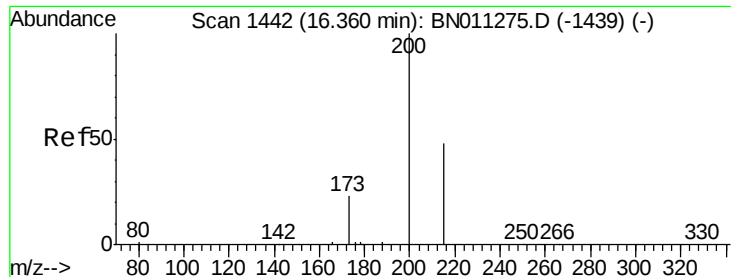
#22  
Hexachlorobenzene  
Concen: 0.394 ng  
RT: 16.18 min Scan# 1427  
Delta R.T. 0.00 min  
Lab File: BN011282.D  
Acq: 28 Jul 2020 16:18

Tgt Ion:284 Resp: 2311  
Ion Ratio Lower Upper  
284 100  
142 43.7 32.8 49.2  
249 34.8 26.6 40.0



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

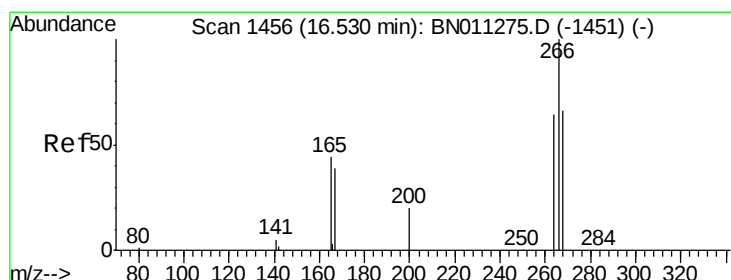
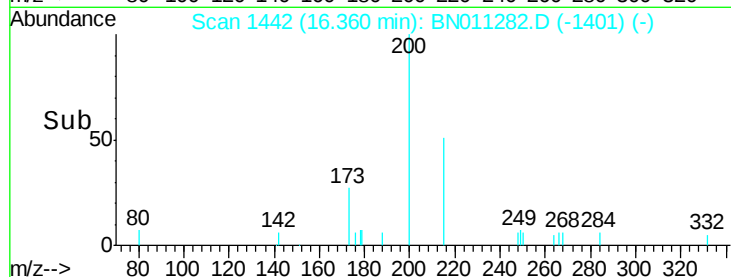
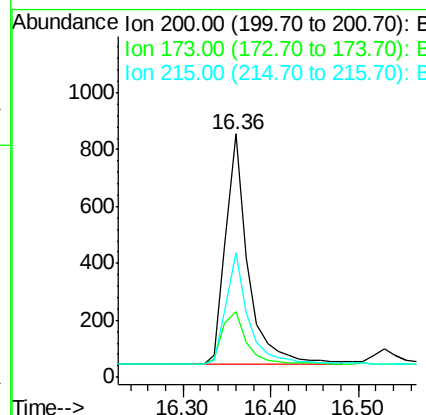
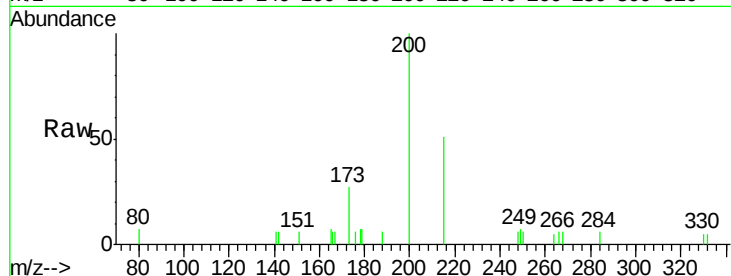




#23  
Atrazine  
Concen: 0.358 ng  
RT: 16.36 min Scan# 1442  
Delta R.T. 0.00 min  
Lab File: BN011282.D  
Acq: 28 Jul 2020 16:18

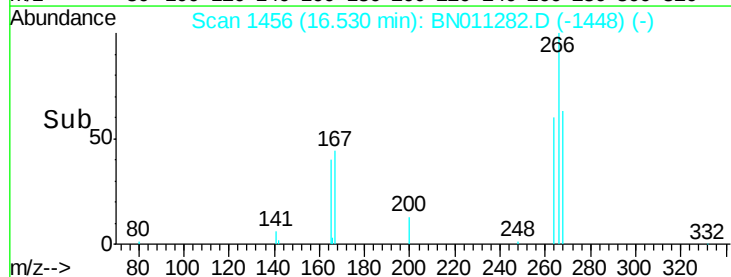
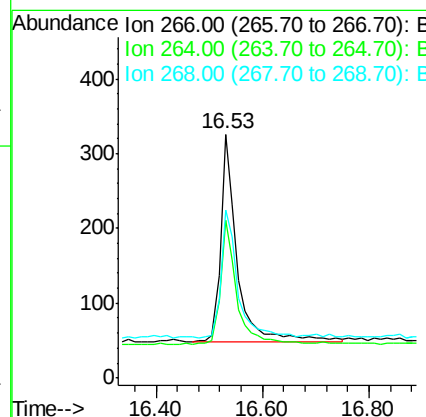
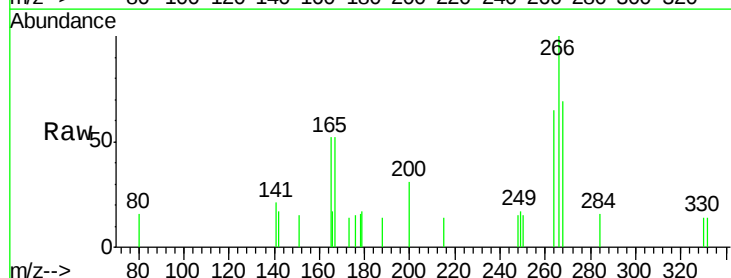
Instrument :  
BNA\_N  
ClientSampleId :  
PB130451BS

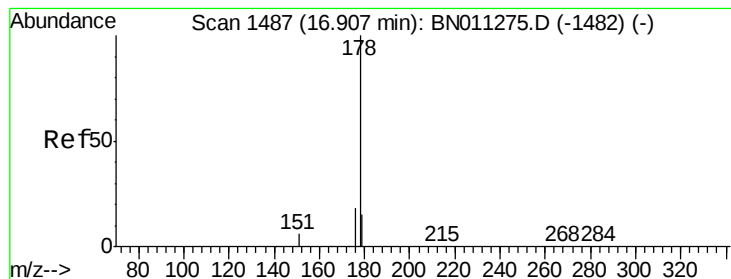
Tot Ion:200 Resp: 1444  
Ion Ratio Lower Upper  
200 100  
173 27.0 22.0 33.0  
215 51.1 41.1 61.7



#24  
Pentachlorophenol  
Concen: 0.322 ng  
RT: 16.53 min Scan# 1456  
Delta R.T. 0.00 min  
Lab File: BN011282.D  
Acq: 28 Jul 2020 16:18

Tgt Ion:266 Resp: 586  
Ion Ratio Lower Upper  
266 100  
264 59.4 51.1 76.7  
268 64.3 55.5 83.3





#25

Phenanthrene

Concen: 0.366 ng

RT: 16.91 min Scan# 1487

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

PB130451BS

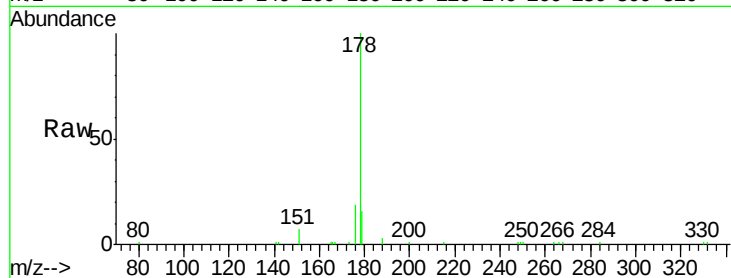
Tot Ion:178 Resp: 9285

Ion Ratio Lower Upper

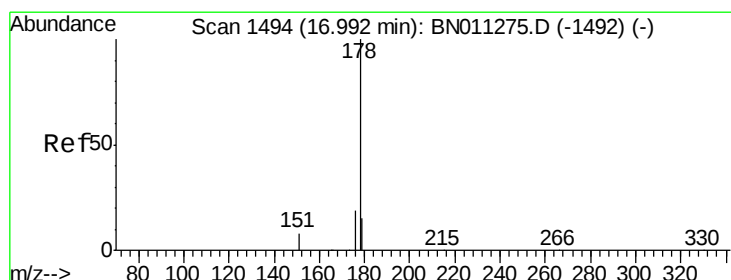
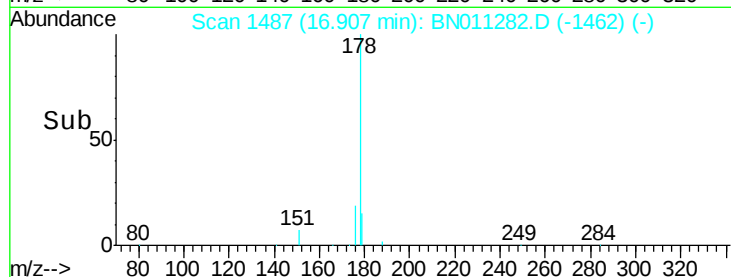
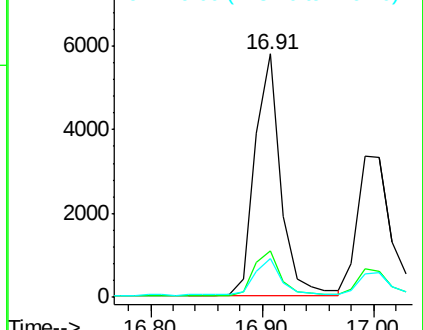
178 100

176 18.7 14.9 22.3

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



#26

Anthracene

Concen: 0.330 ng

RT: 16.99 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

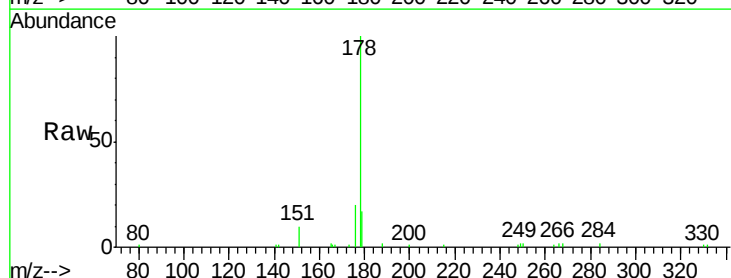
Tgt Ion:178 Resp: 6970

Ion Ratio Lower Upper

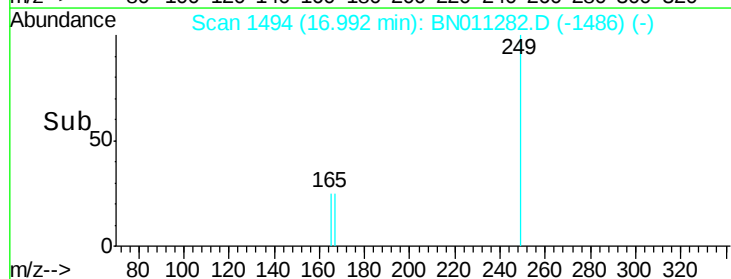
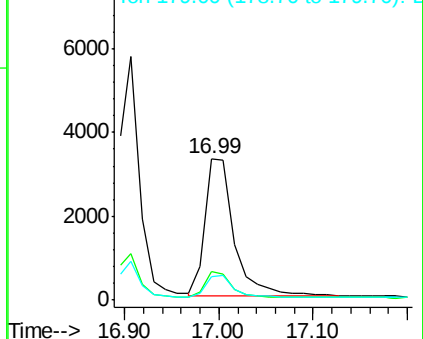
178 100

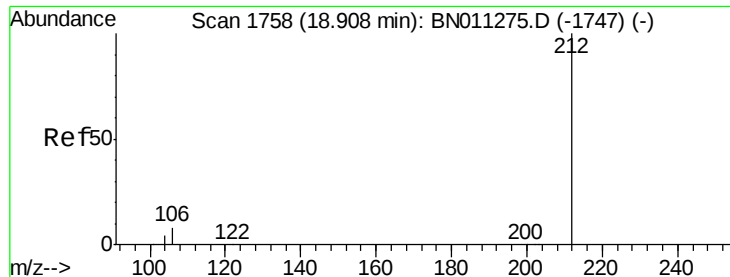
176 18.3 15.0 22.6

179 15.7 12.1 18.1



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

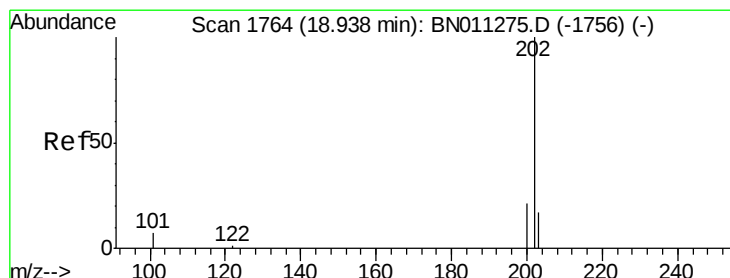
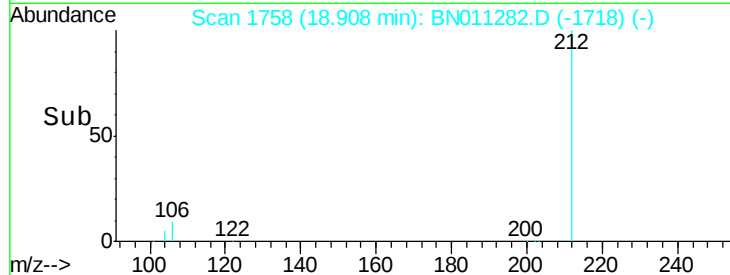
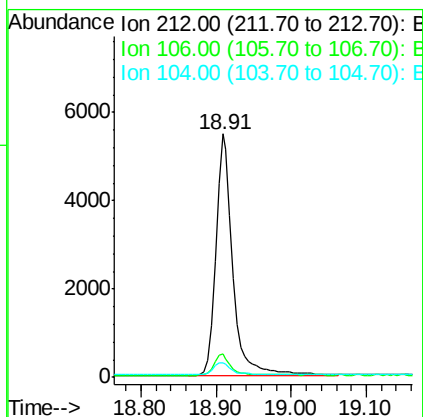
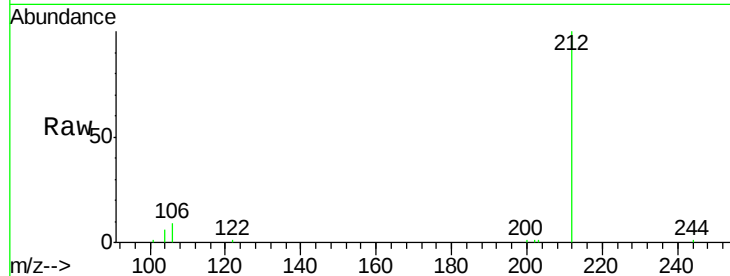




#27  
 Fluoranthene-d10  
 Concen: 0.366 ng  
 RT: 18.91 min Scan# 1758  
 Delta R.T. 0.00 min  
 Lab File: BN011282.D  
 Acq: 28 Jul 2020 16:18

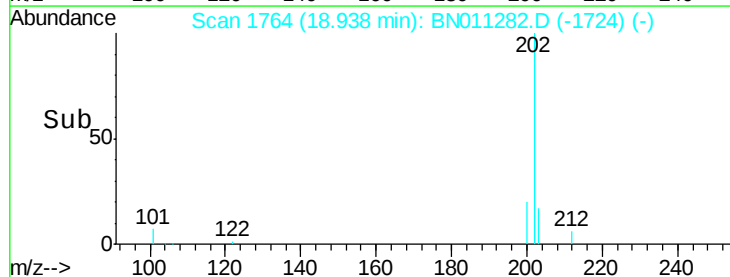
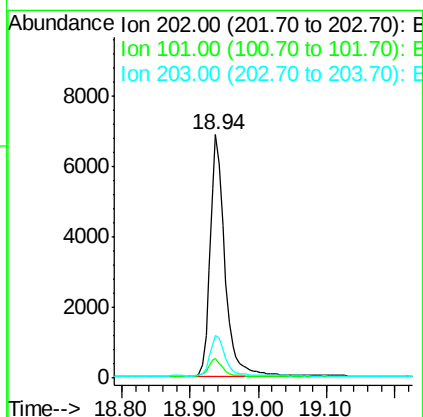
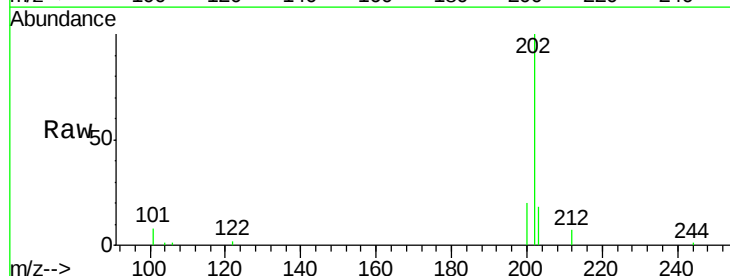
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB130451BS

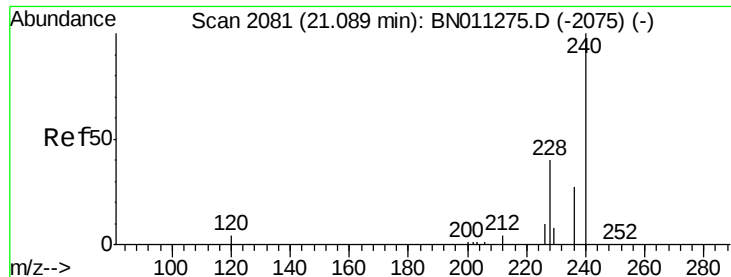
Tot Ion:212 Resp: 8713  
 Ion Ratio Lower Upper  
 212 100  
 106 8.6 6.9 10.3  
 104 5.3 4.2 6.2



#28  
 Fluoranthene  
 Concen: 0.361 ng  
 RT: 18.94 min Scan# 1764  
 Delta R.T. 0.00 min  
 Lab File: BN011282.D  
 Acq: 28 Jul 2020 16:18

Tgt Ion:202 Resp: 10427  
 Ion Ratio Lower Upper  
 202 100  
 101 7.6 5.9 8.9  
 203 17.1 13.7 20.5

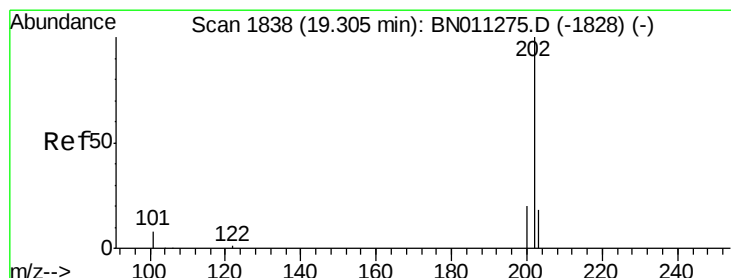
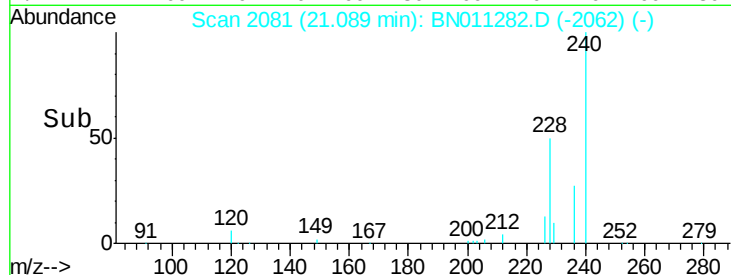
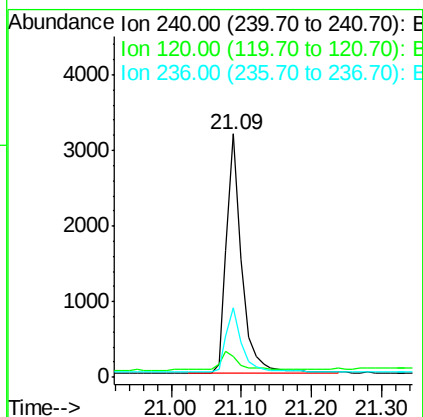
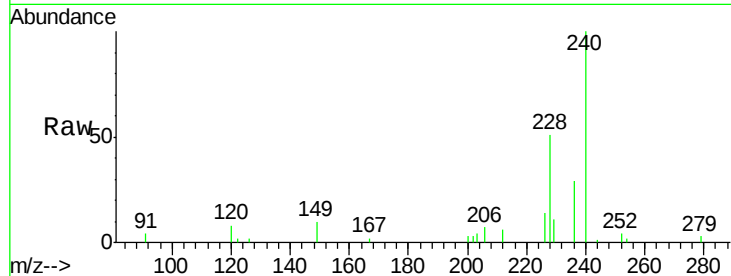




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.09 min Scan# 2081  
Delta R.T. 0.00 min  
Lab File: BN011282.D  
Acq: 28 Jul 2020 16:18

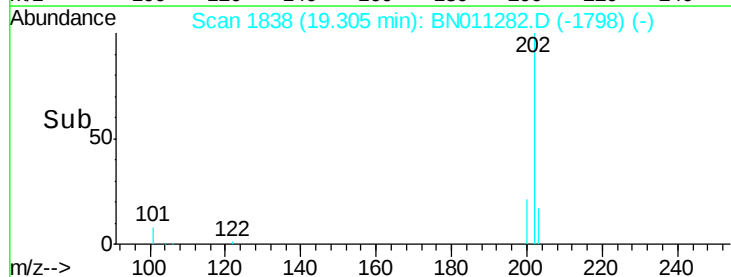
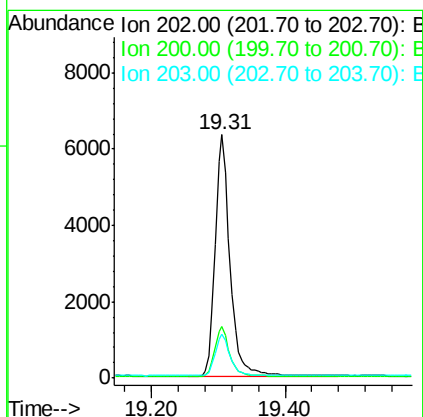
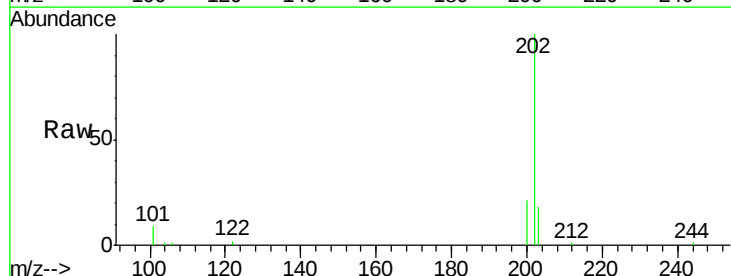
Instrument :  
BNA\_N  
ClientSampleId :  
PB130451BS

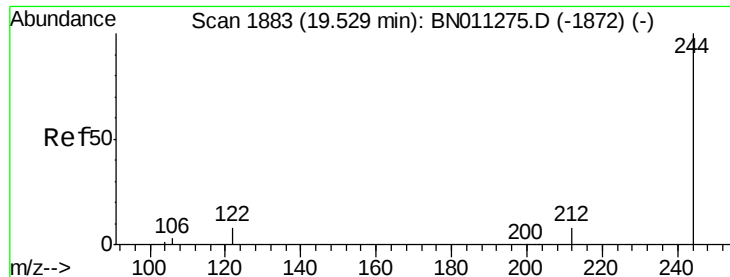
Tot Ion:240 Resp: 4885  
Ion Ratio Lower Upper  
240 100  
120 8.3 5.8 8.8  
236 28.8 22.7 34.1



#30  
Pyrene  
Concen: 0.443 ng  
RT: 19.31 min Scan# 1838  
Delta R.T. 0.00 min  
Lab File: BN011282.D  
Acq: 28 Jul 2020 16:18

Tgt Ion:202 Resp: 9754  
Ion Ratio Lower Upper  
202 100  
200 20.4 16.3 24.5  
203 17.5 14.1 21.1





#31

Terphenyl-d14

Concen: 0.402 ng

RT: 19.53 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

PB130451BS

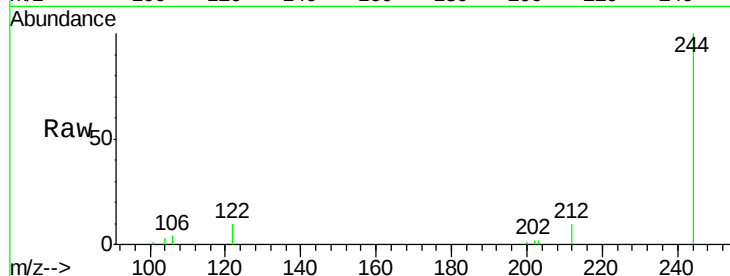
Tot Ion:244 Resp: 5945

Ion Ratio Lower Upper

244 100

212 9.6 7.6 11.4

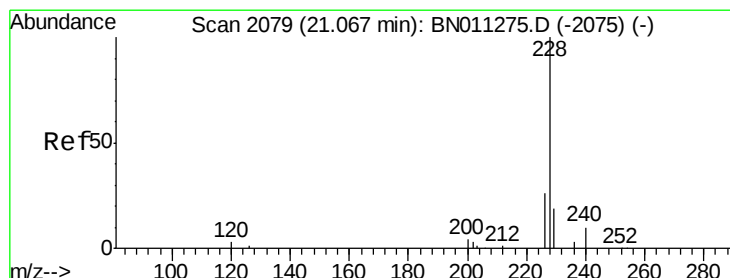
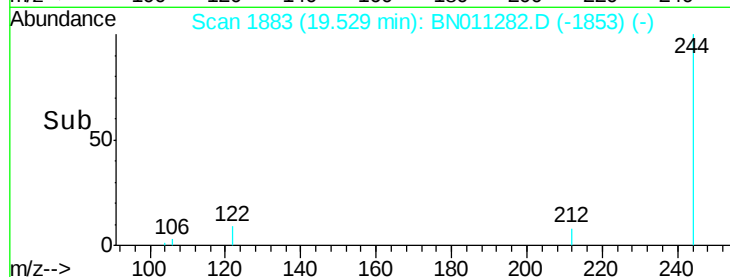
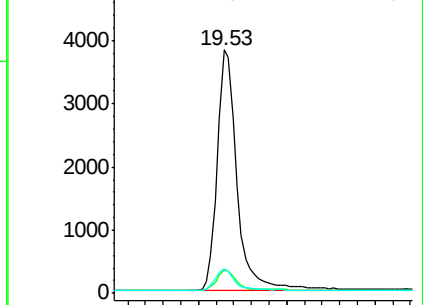
122 10.0 7.5 11.3



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



#32

Benzo(a)anthracene

Concen: 0.371 ng

RT: 21.08 min Scan# 2080

Delta R.T. 0.01 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

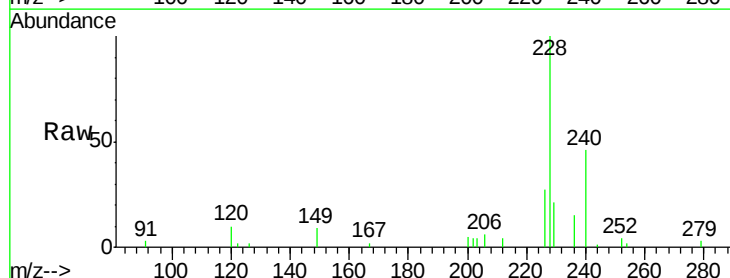
Tgt Ion:228 Resp: 6073

Ion Ratio Lower Upper

228 100

226 27.2 21.6 32.4

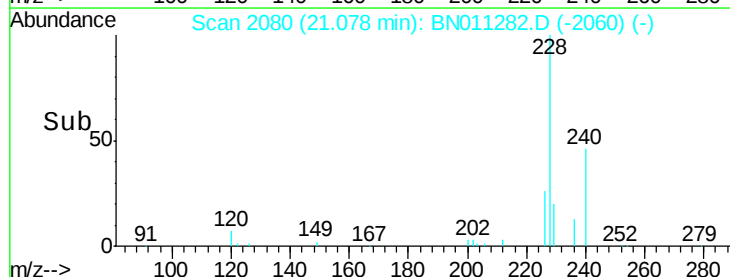
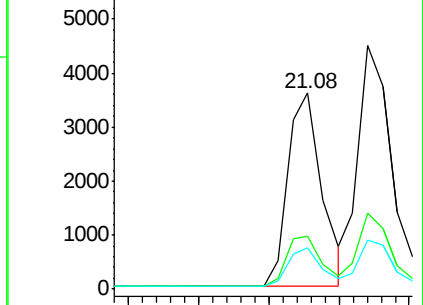
229 21.3 16.0 24.0

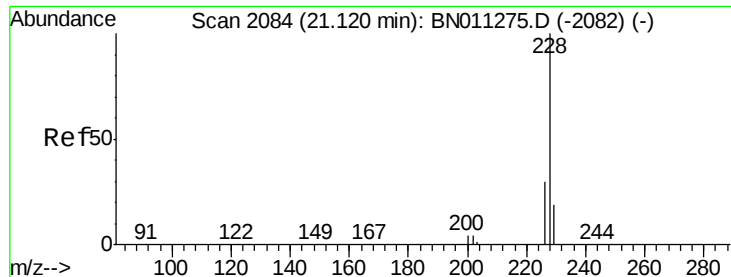


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Chrysene

Concen: 0.414 ng

RT: 21.12 min Scan# 2084

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

PB130451BS

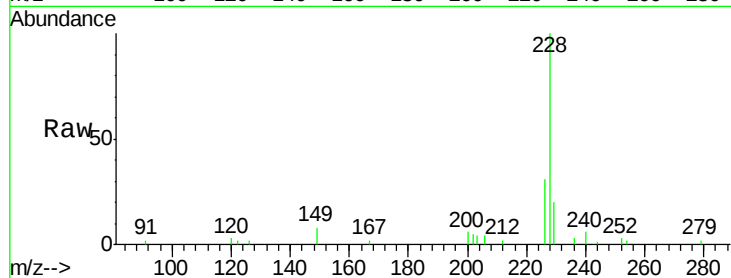
Tot Ion:228 Resp: 7597

Ion Ratio Lower Upper

228 100

226 31.4 24.3 36.5

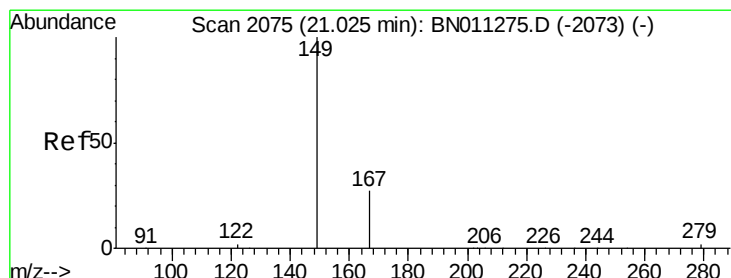
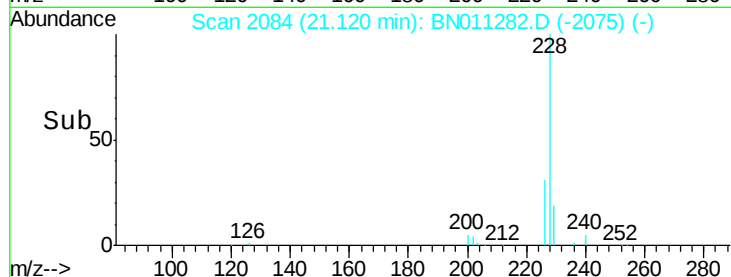
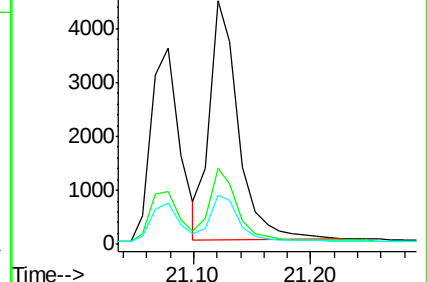
229 20.3 15.9 23.9



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



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.383 ng

RT: 21.04 min Scan# 2076

Delta R.T. 0.01 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

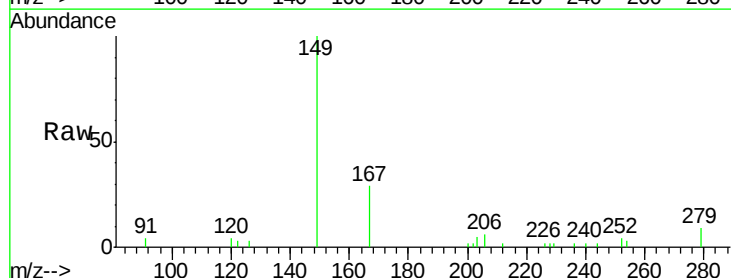
Tgt Ion:149 Resp: 3367

Ion Ratio Lower Upper

149 100

167 27.8 21.7 32.5

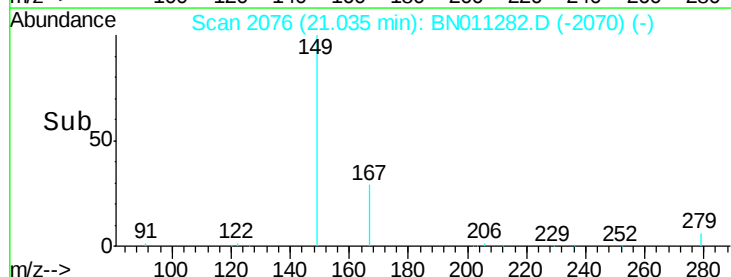
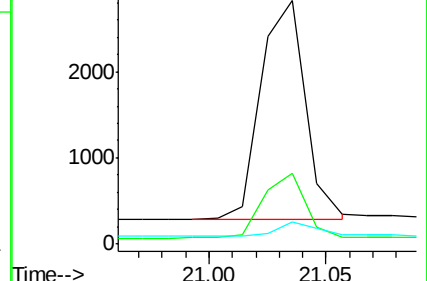
279 5.3 3.9 5.9

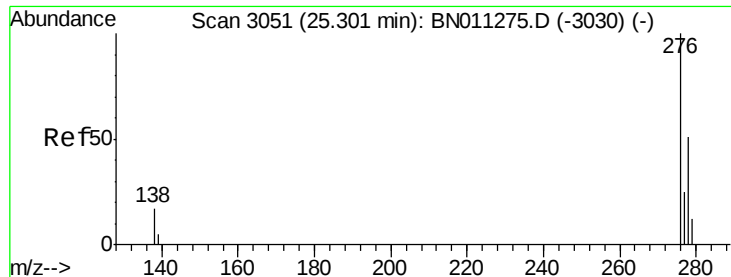


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

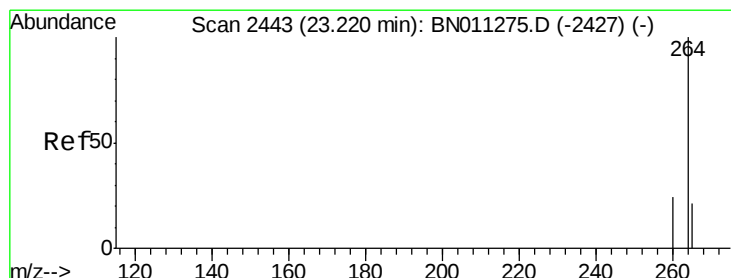
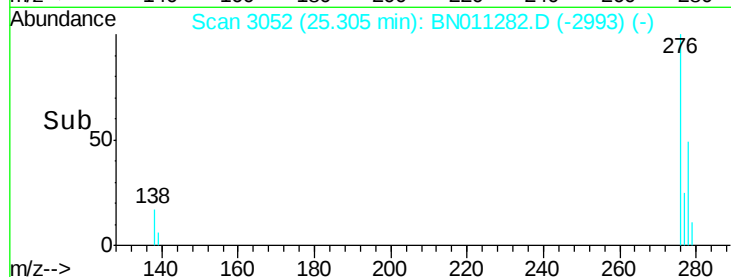
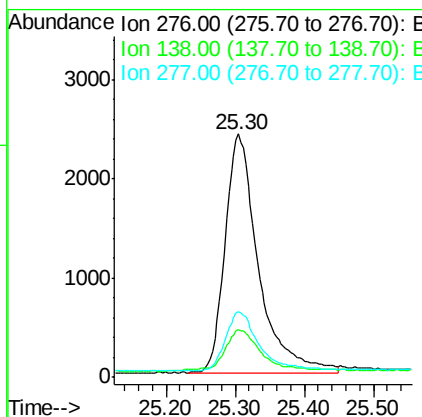
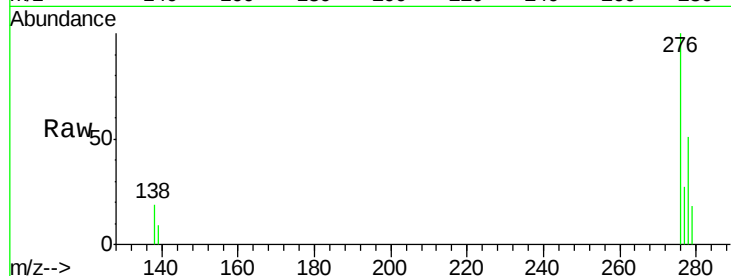




#35  
Indeno(1,2,3-cd)pyrene  
Concen: 0.448 ng  
RT: 25.30 min Scan# 3052  
Delta R.T. 0.00 min  
Lab File: BN011282.D  
Acq: 28 Jul 2020 16:18

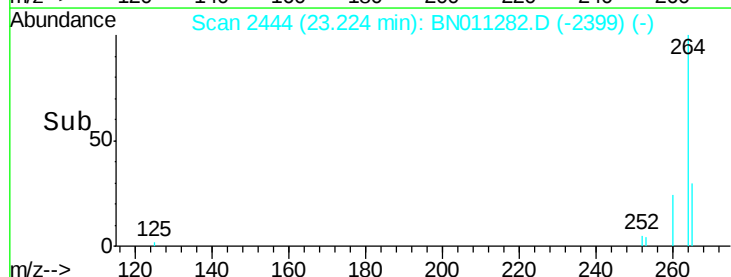
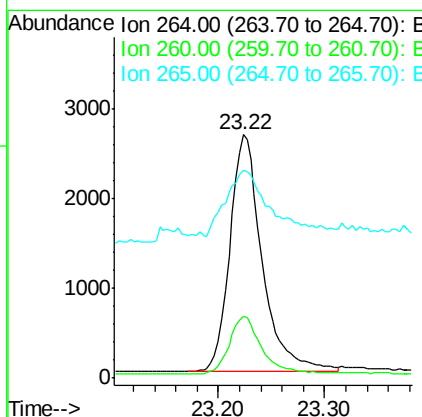
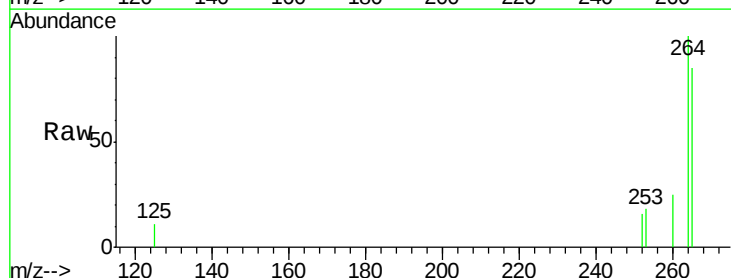
Instrument :  
BNA\_N  
ClientSampleId :  
PB130451BS

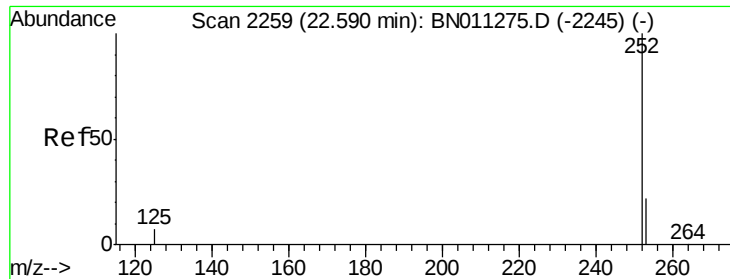
Tot Ion:276 Resp: 8027  
Ion Ratio Lower Upper  
276 100  
138 19.2 13.6 20.4  
277 25.7 19.7 29.5



#36  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.22 min Scan# 2444  
Delta R.T. 0.00 min  
Lab File: BN011282.D  
Acq: 28 Jul 2020 16:18

Tgt Ion:264 Resp: 5539  
Ion Ratio Lower Upper  
264 100  
260 25.5 20.1 30.1  
265 85.5 70.7 106.1





#37

Benzo(b)fluoranthene

Concen: 0.294 ng

RT: 22.59 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

PB130451BS

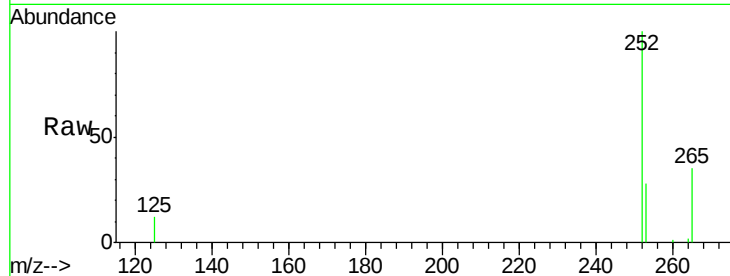
Tot Ion:252 Resp: 6496

Ion Ratio Lower Upper

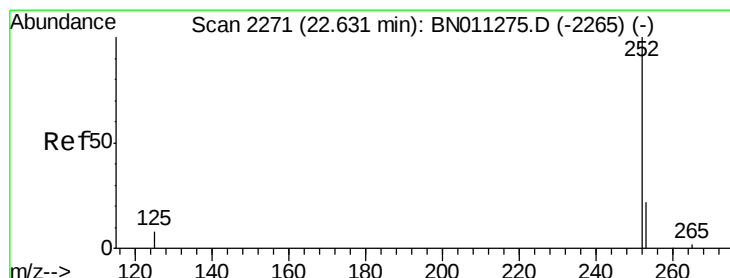
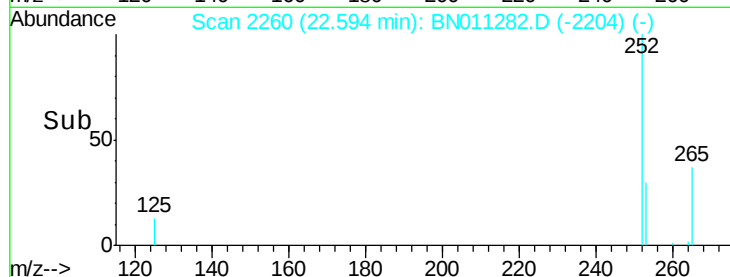
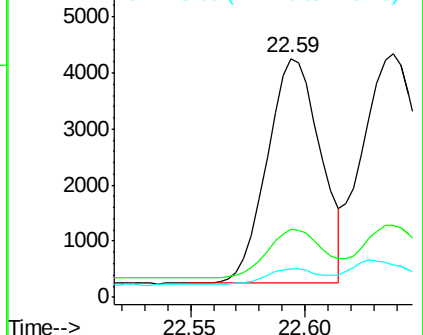
252 100

253 28.4 23.1 34.7

125 12.0 9.4 14.2



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

Benzo(k)fluoranthene

Concen: 0.321 ng

RT: 22.64 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

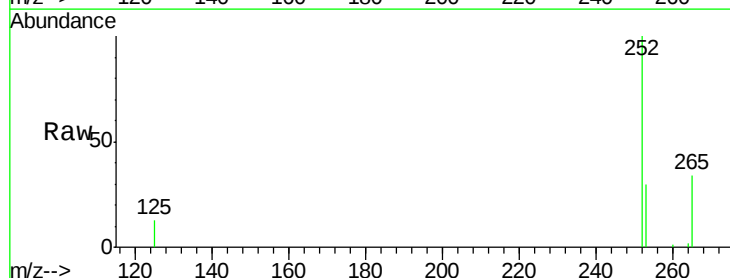
Tgt Ion:252 Resp: 7813

Ion Ratio Lower Upper

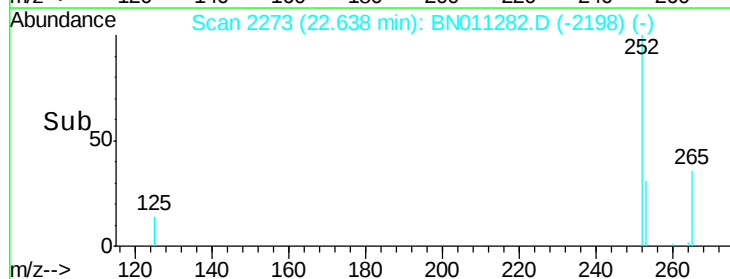
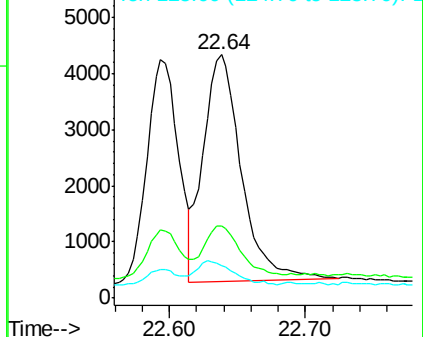
252 100

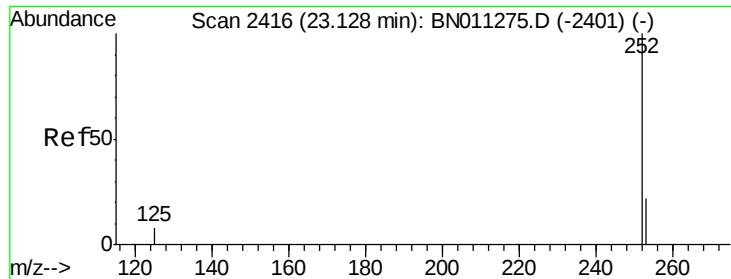
253 29.6 22.9 34.3

125 13.4 11.3 16.9



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





#39

Benzo(a)pyrene

Concen: 0.309 ng

RT: 23.13 min Scan# 2418

Delta R.T. 0.01 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

PB130451BS

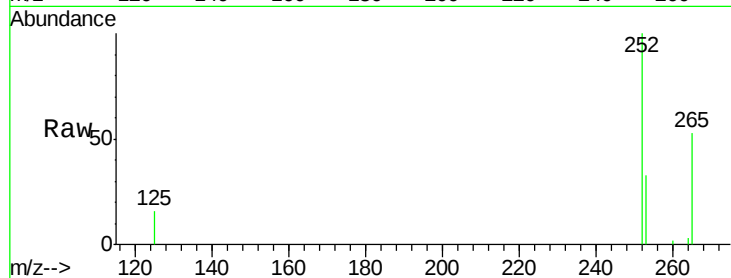
Tot Ion:252 Resp: 5930

Ion Ratio Lower Upper

252 100

253 32.7 26.6 39.8

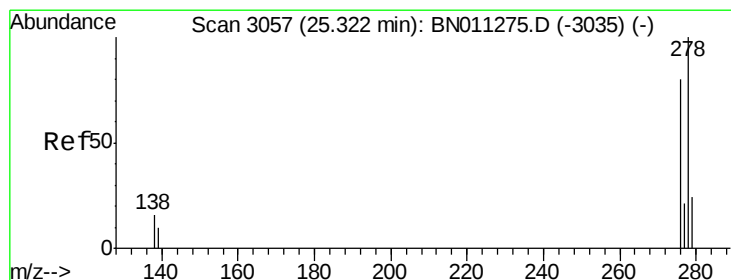
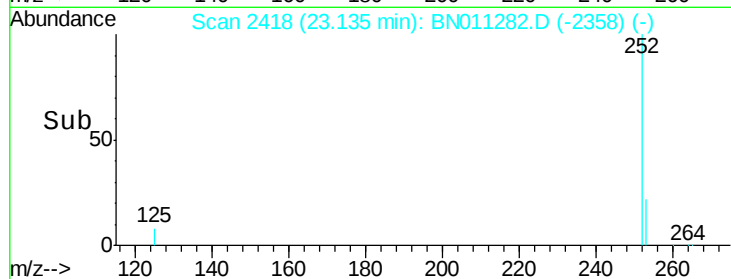
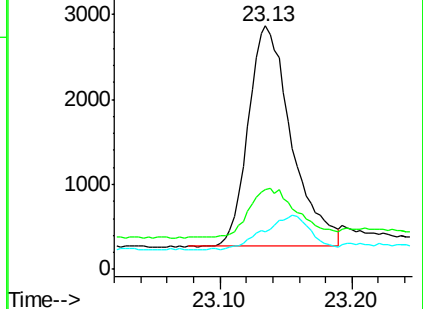
125 15.6 12.7 19.1



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



#40

Dibenzo(a,h)anthracene

Concen: 0.323 ng

RT: 25.32 min Scan# 3057

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

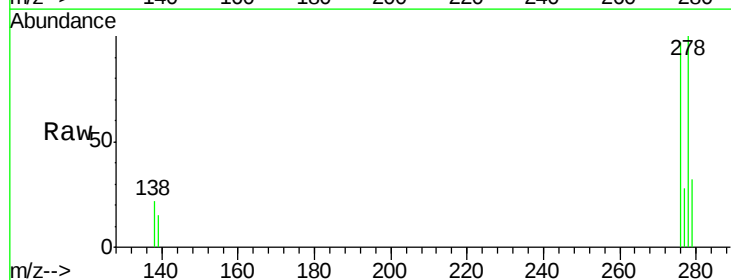
Tgt Ion:278 Resp: 6404

Ion Ratio Lower Upper

278 100

139 14.8 12.4 18.6

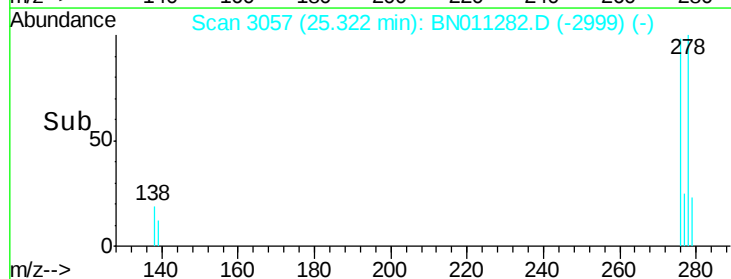
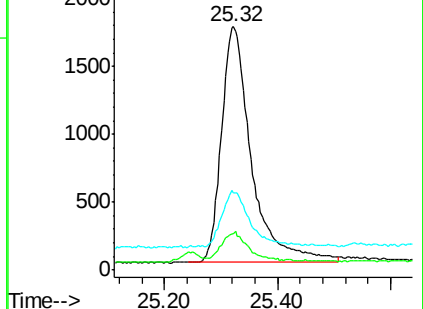
279 31.8 25.8 38.6

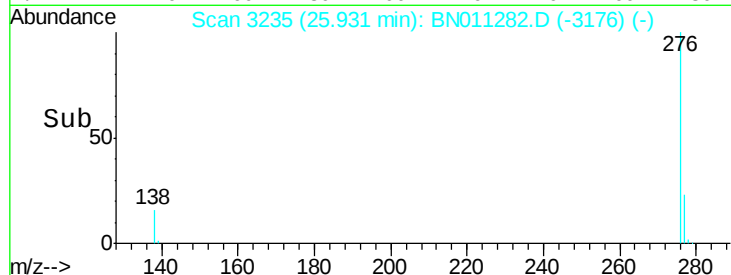
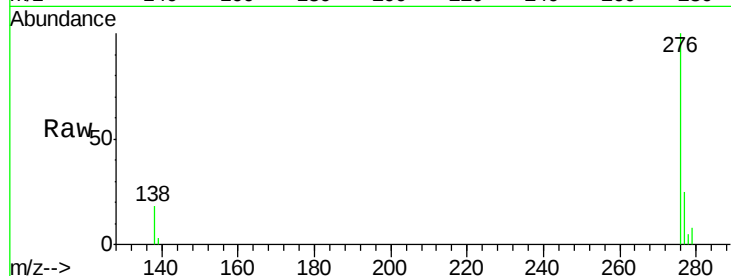
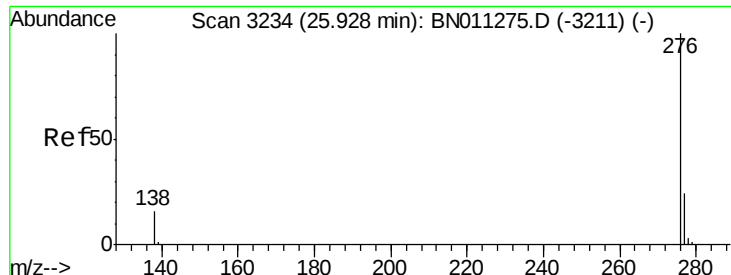


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(a,h,i)perylene

Concen: 0.360 ng

RT: 25.93 min Scan# 3235

Delta R.T. 0.00 min

Lab File: BN011282.D

Acq: 28 Jul 2020 16:18

Instrument :

BNA\_N

ClientSampleId :

PB130451BS

Tot Ion: 276 Resp: 7922

Ion Ratio Lower Upper

276 100

277 25.1 21.0 31.6

138 18.1 15.0 22.6

