

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\  
 Data File : BN006735.D  
 Acq On : 06 Jul 2019 02:58  
 Operator : HP/JU  
 Sample : PB121057BS  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB121057BS

Quant Time: Jul 06 05:12:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 05 05:30:28 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 2703     | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.36 | 136  | 10277    | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.24 | 164  | 5735     | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 17.00 | 188  | 12427    | 0.40 | ng    | -0.02    |
| 27) Chrysene-d12          | 21.23 | 240  | 11794    | 0.40 | ng    | -0.03    |
| 34) Perylene-d12          | 23.45 | 264  | 14080    | 0.40 | ng    | -0.05    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.24  | 112 | 2293  | 0.31 | ng | 0.00  |
| 5) Phenol-d6                | 6.81  | 99  | 3151  | 0.34 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.78  | 82  | 2624  | 0.33 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.98 | 152 | 7995  | 0.52 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 15.78 | 330 | 727   | 0.26 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.86 | 172 | 8597  | 0.38 | ng | -0.02 |
| 25) Fluoranthene-d10        | 19.05 | 212 | 13743 | 0.39 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.66 | 244 | 10344 | 0.38 | ng | -0.02 |

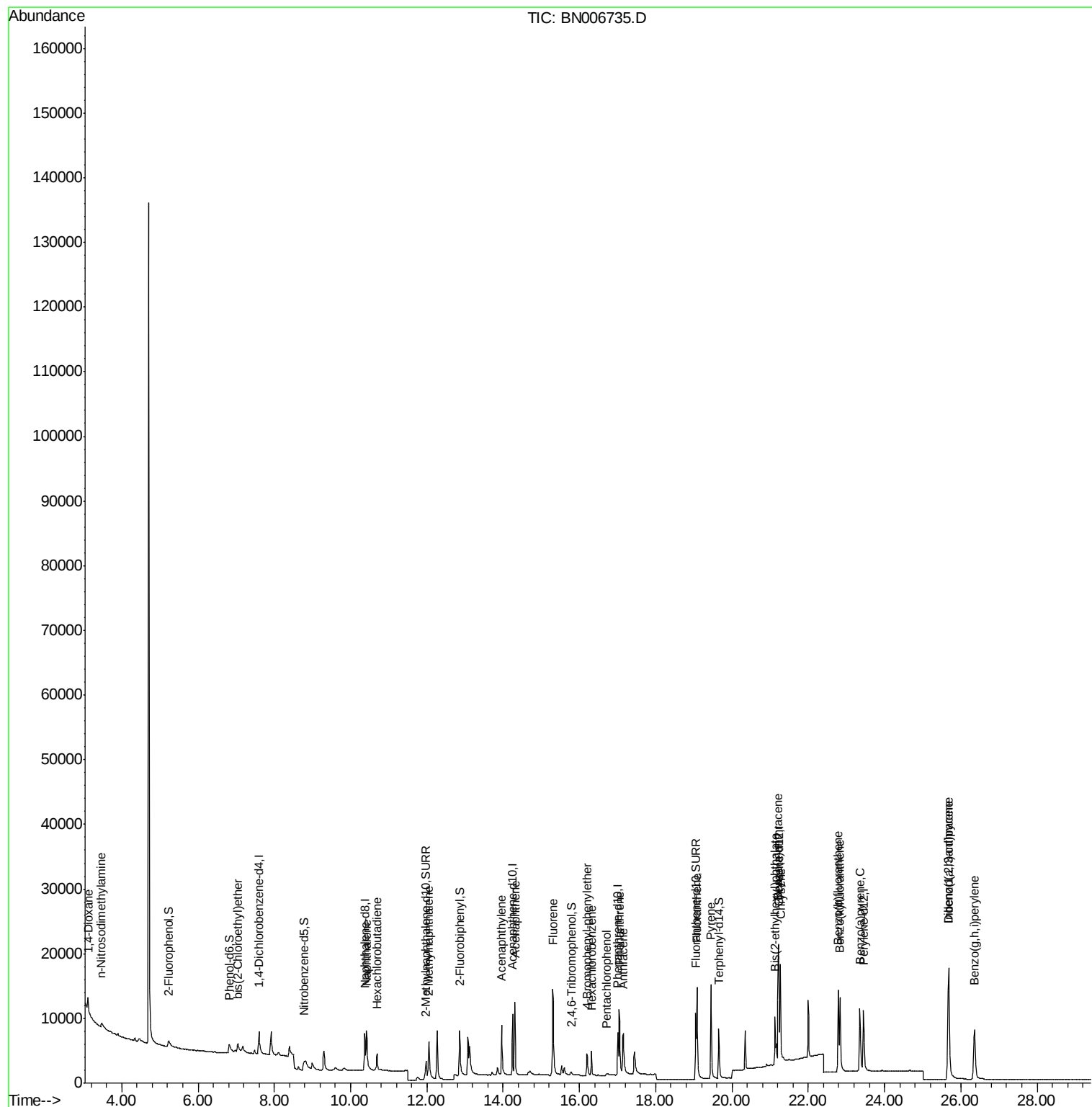
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.12  | 88  | 1244  | 0.294  | ng | # 1   |
| 3) n-Nitrosodimethylamine      | 3.46  | 42  | 1208  | 0.379  | ng | # 78  |
| 6) bis(2-Chloroethyl)ether     | 7.04  | 93  | 2619  | 0.334  | ng | 94    |
| 9) Naphthalene                 | 10.42 | 128 | 10563 | 0.376  | ng | 99    |
| 10) Hexachlorobutadiene        | 10.69 | 225 | 2072  | 0.364  | ng | # 98  |
| 12) 2-Methylnaphthalene        | 12.05 | 142 | 6781  | 0.335  | ng | 99    |
| 16) Acenaphthylene             | 13.96 | 152 | 10201 | 0.357  | ng | 99    |
| 17) Acenaphthene               | 14.31 | 154 | 6756  | 0.371  | ng | 99    |
| 18) Fluorene                   | 15.30 | 166 | 8232  | 0.364  | ng | 99    |
| 20) 4-Bromophenyl-phenylether  | 16.20 | 248 | 2512  | 0.343  | ng | # 89  |
| 21) Hexachlorobenzene          | 16.32 | 284 | 3337  | 0.383  | ng | 99    |
| 22) Pentachlorophenol          | 16.72 | 266 | 591   | 0.596  | ng | 99    |
| 23) Phenanthrene               | 17.05 | 178 | 12695 | 0.354  | ng | 100   |
| 24) Anthracene                 | 17.15 | 178 | 10946 | 0.338  | ng | 99    |
| 26) Fluoranthene               | 19.09 | 202 | 15634 | 0.372  | ng | 100   |
| 28) Pyrene                     | 19.45 | 202 | 16102 | 0.341  | ng | 100   |
| 30) Benzo(a)anthracene         | 21.22 | 228 | 14053 | 0.345  | ng | 100   |
| 31) Chrysene                   | 21.27 | 228 | 15811 | 0.377  | ng | 99    |
| 32) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 6207  | 0.051  | ng | # 100 |
| 33) Indeno(1,2,3-cd)pyrene     | 25.68 | 276 | 21693 | 0.433  | ng | 98    |
| 35) Benzo(b)fluoranthene       | 22.79 | 252 | 15924 | 0.352  | ng | 97    |
| 36) Benzo(k)fluoranthene       | 22.83 | 252 | 18869 | 0.385  | ng | 97    |
| 37) Benzo(a)pyrene             | 23.36 | 252 | 17042 | 0.389  | ng | # 96  |
| 38) Dibenzo(a,h)anthracene     | 25.68 | 278 | 17434 | 0.401  | ng | 97    |
| 39) Benzo(g,h,i)perylene       | 26.36 | 276 | 18899 | 0.422  | ng | 96    |

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

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QLast Update : Fri Jul 05 05:30:28 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.60 min Scan# 567

Delta R.T. -0.02 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

Instrument :

BNA\_N

ClientSampleId :

PB121057BS

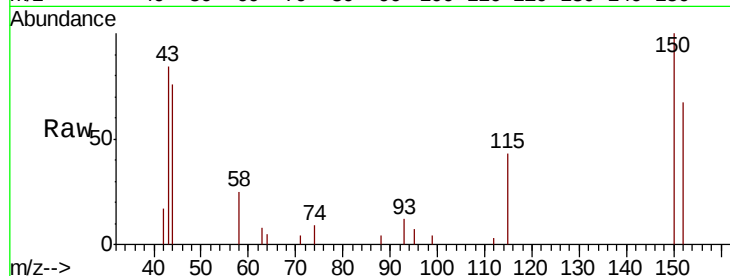
Tot Ion:152 Resp: 2703

Ion Ratio Lower Upper

152 100

150 148.6 120.6 181.0

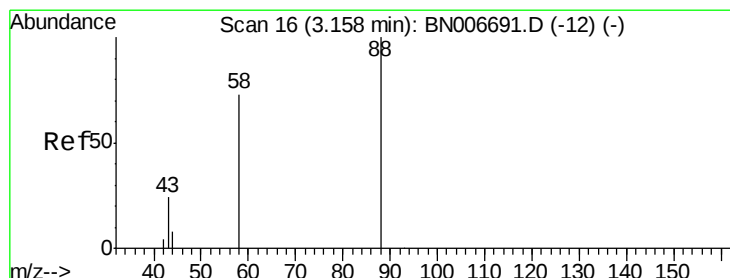
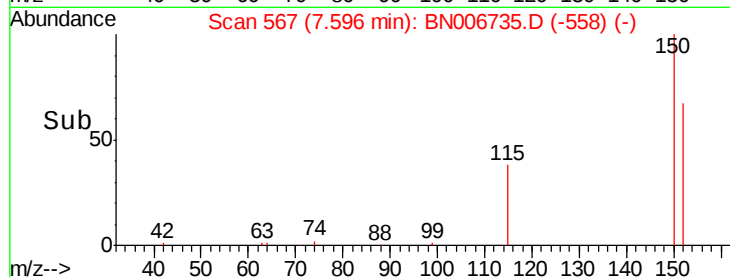
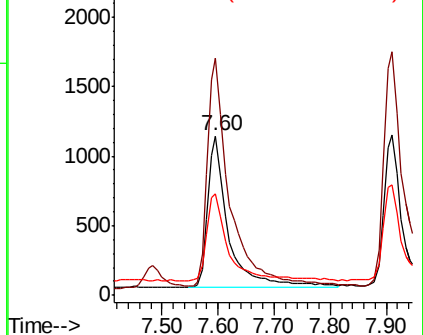
115 63.4 51.0 76.6



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: 0.294 ng

RT: 3.12 min Scan# 11

Delta R.T. -0.04 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

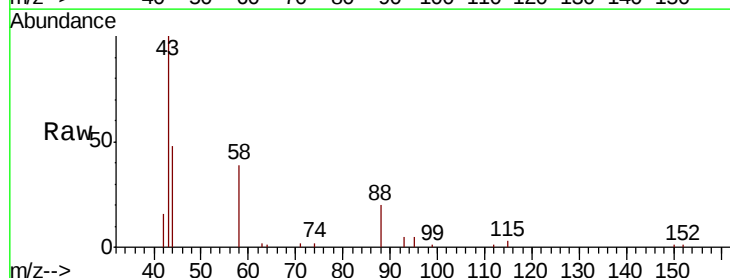
Tgt Ion: 88 Resp: 1244

Ion Ratio Lower Upper

88 100

58 119.3 61.1 91.7#

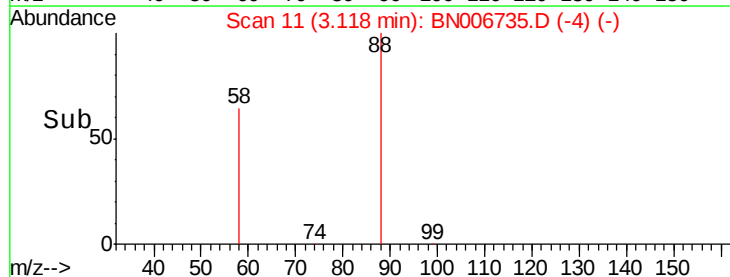
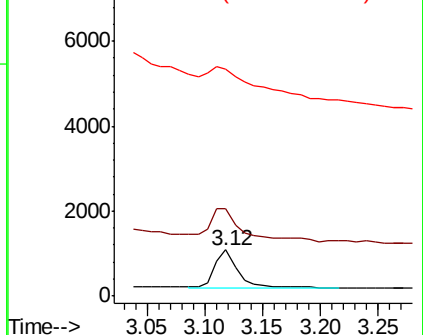
43 169.1 32.4 48.6#



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: 0.379 ng

RT: 3.46 min Scan# 54

Delta R.T. -0.03 min

Lab File: BN006735.D

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PB121057BS

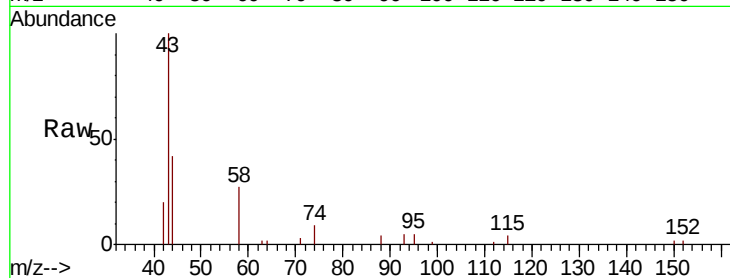
Tot Ion: 42 Resp: 1208

Ion Ratio Lower Upper

42 100

74 107.1 106.6 160.0

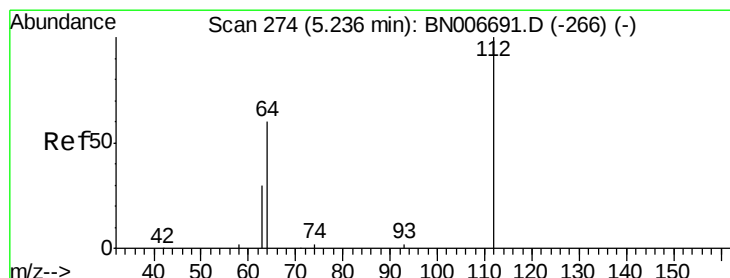
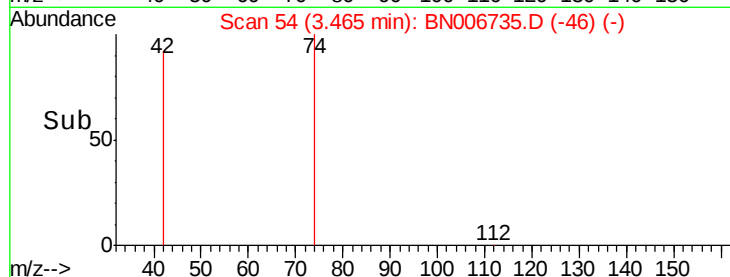
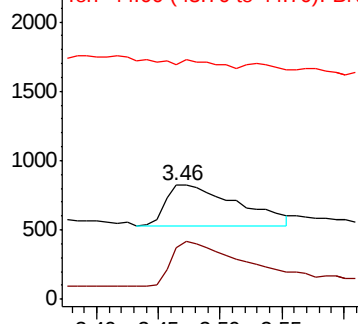
44 0.0 8.0 12.0#



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: 0.312 ng

RT: 5.24 min Scan# 274

Delta R.T. 0.00 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

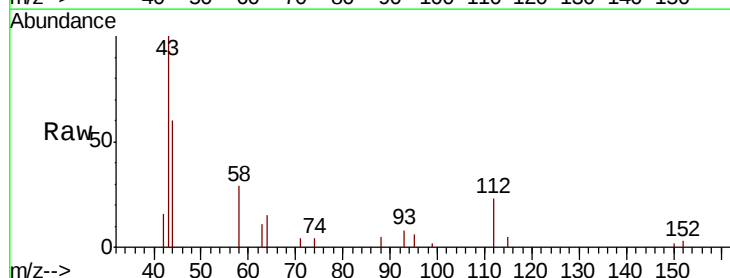
Tgt Ion: 112 Resp: 2293

Ion Ratio Lower Upper

112 100

64 65.8 49.8 74.6

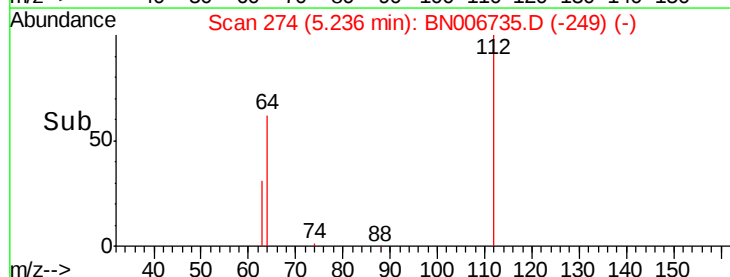
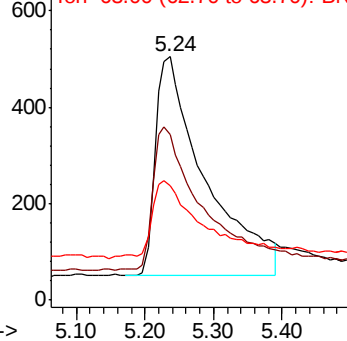
63 36.1 25.8 38.6

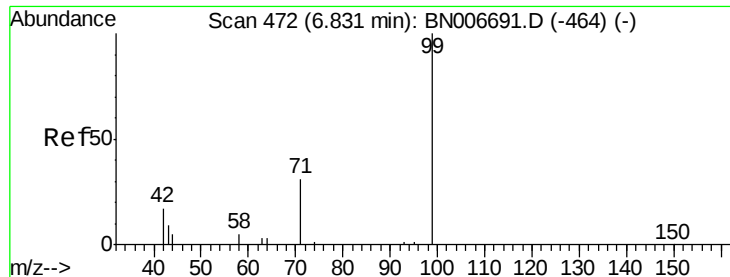


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.339 ng

RT: 6.81 min Scan# 470

Delta R.T. -0.02 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

Instrument :

BNA\_N

ClientSampleId :

PB121057BS

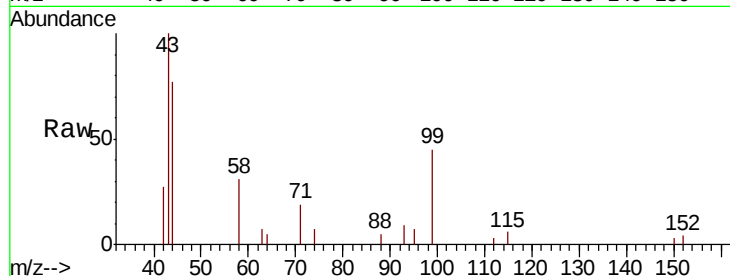
Tot Ion: 99 Resp: 3151

Ion Ratio Lower Upper

99 100

42 22.5 16.6 25.0

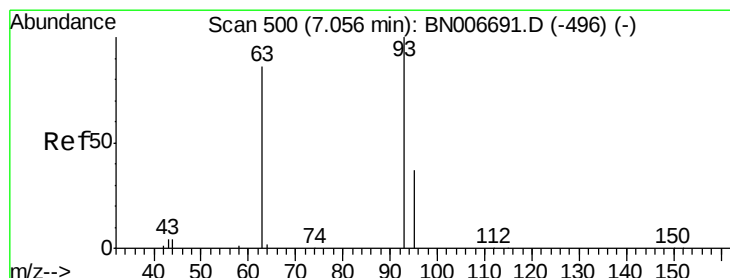
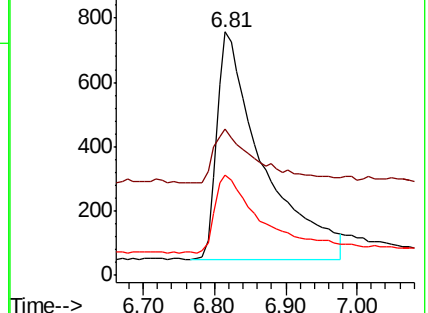
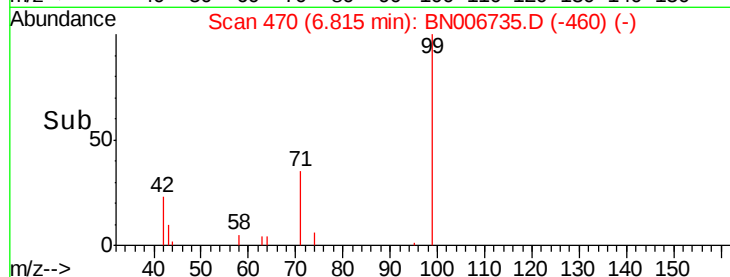
71 35.8 26.0 39.0



Abundance Ion 99.00 (98.70 to 99.70): BN006735.D (-460) (-)

Ion 42.00 (41.70 to 42.70): BN006735.D (-460) (-)

Ion 71.00 (70.70 to 71.70): BN006735.D (-460) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.334 ng

RT: 7.04 min Scan# 498

Delta R.T. -0.02 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

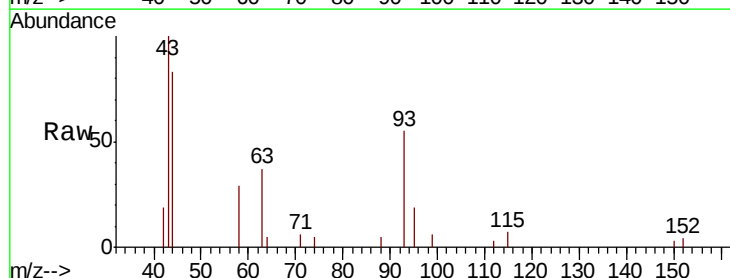
Tgt Ion: 93 Resp: 2619

Ion Ratio Lower Upper

93 100

63 67.9 58.6 87.8

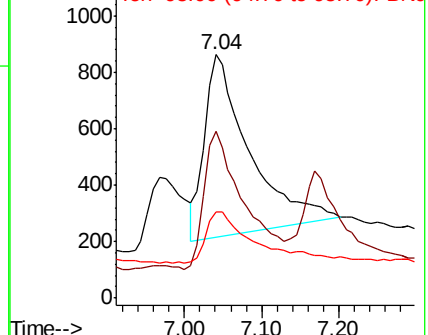
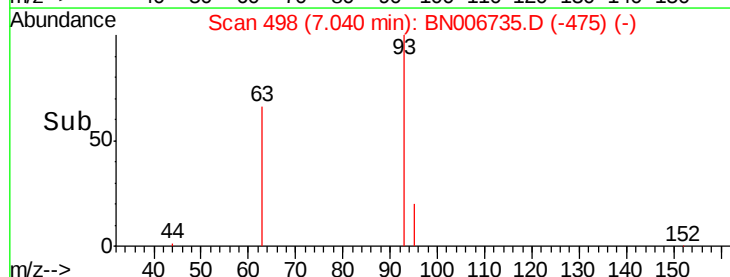
95 32.0 28.3 42.5

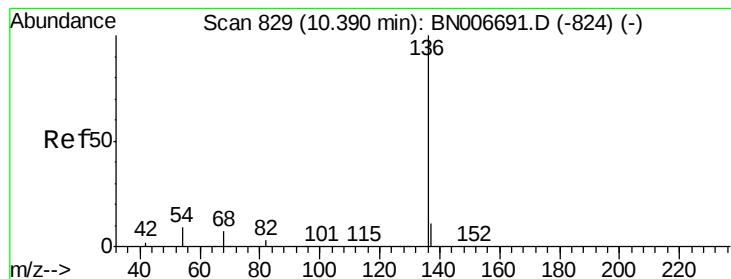


Abundance Ion 93.00 (92.70 to 93.70): BN006735.D (-475) (-)

Ion 63.00 (62.70 to 63.70): BN006735.D (-475) (-)

Ion 95.00 (94.70 to 95.70): BN006735.D (-475) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.36 min Scan# 827

Delta R.T. -0.03 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

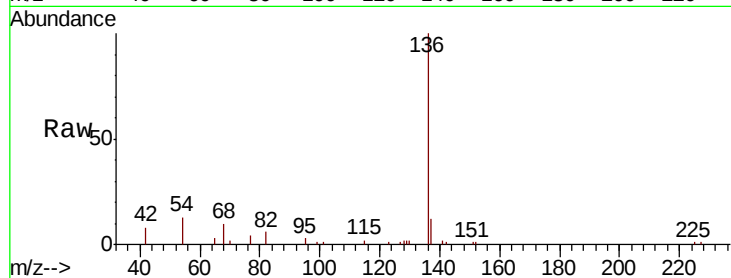
Instrument :

BNA\_N

ClientSampleId :

PB121057BS

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 10277       |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 12.3  | 9.3 13.9    |
| 54          | 12.8  | 8.4 12.6#   |
| 68          | 10.0  | 6.8 10.2    |



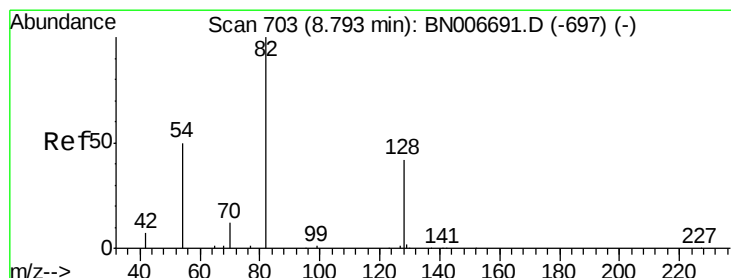
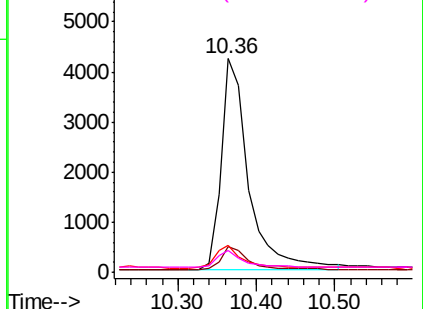
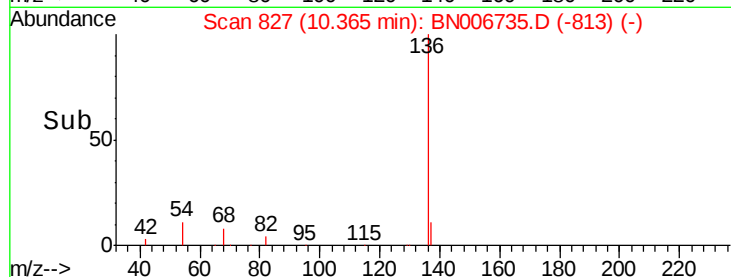
Abundance

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

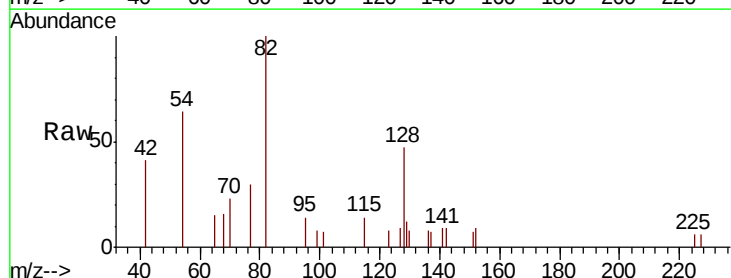
RT: 8.78 min Scan# 702

Delta R.T. -0.01 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 2624        |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 46.7  | 36.1 54.1   |
| 54          | 63.8  | 44.5 66.7   |

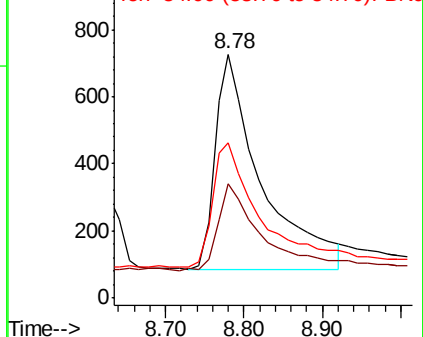
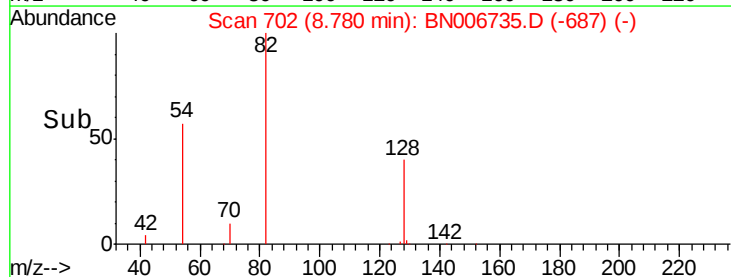


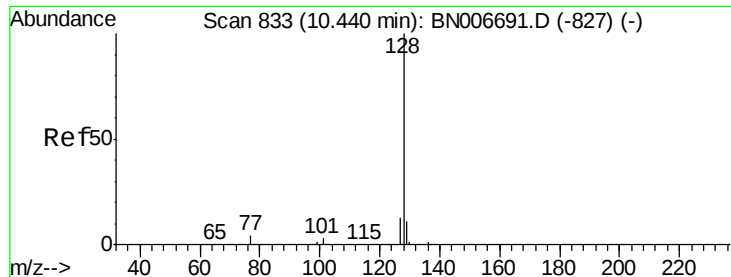
Abundance

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: 0.376 ng

RT: 10.42 min Scan# 831

Delta R.T. -0.03 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

Instrument :

BNA\_N

ClientSampleId :

PB121057BS

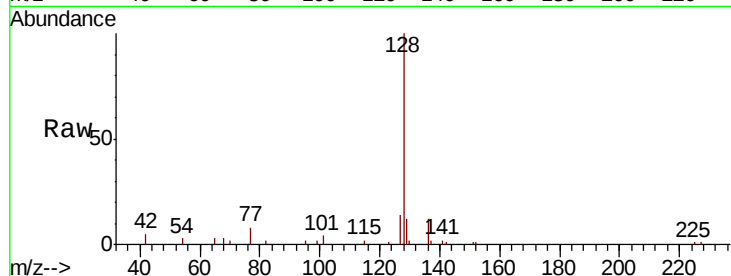
Tot Ion:128 Resp: 10563

Ion Ratio Lower Upper

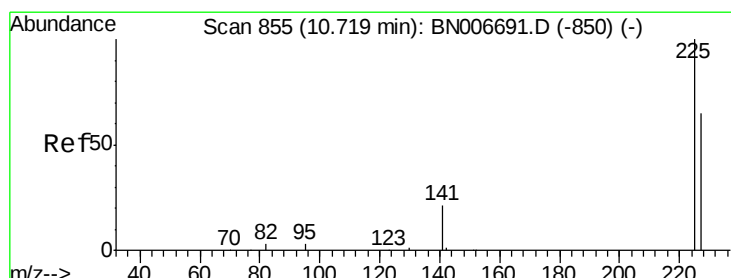
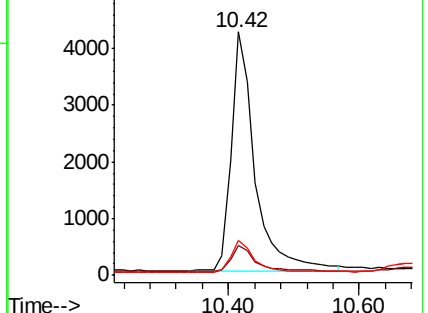
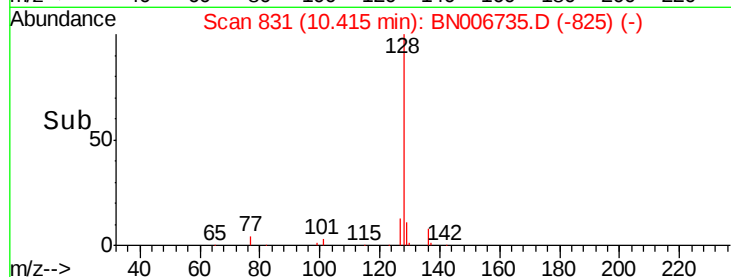
128 100

129 12.4 9.6 14.4

127 14.2 11.0 16.4



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: 0.364 ng

RT: 10.69 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

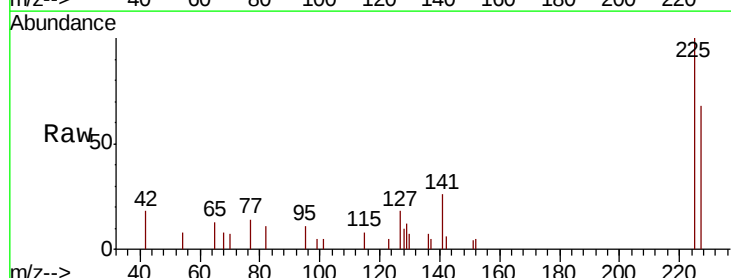
Tgt Ion:225 Resp: 2072

Ion Ratio Lower Upper

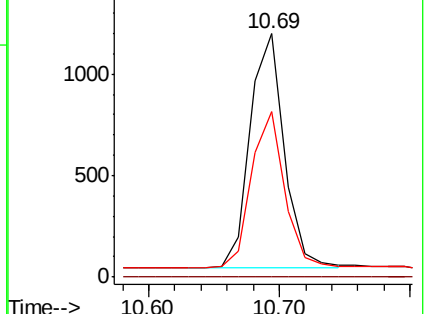
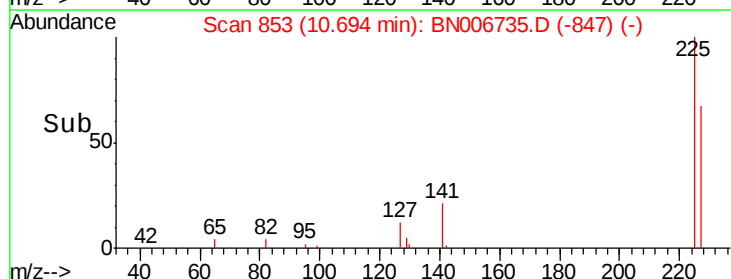
225 100

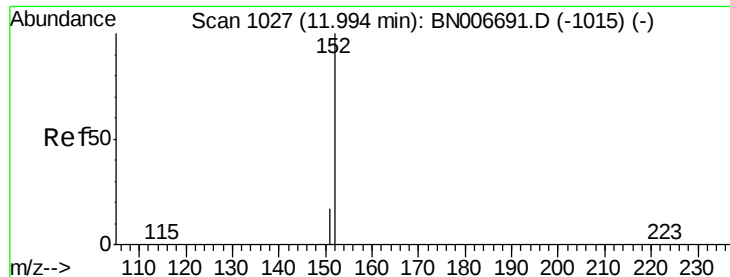
223 0.0 0.0 0.0

227 65.2 50.9 76.3



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

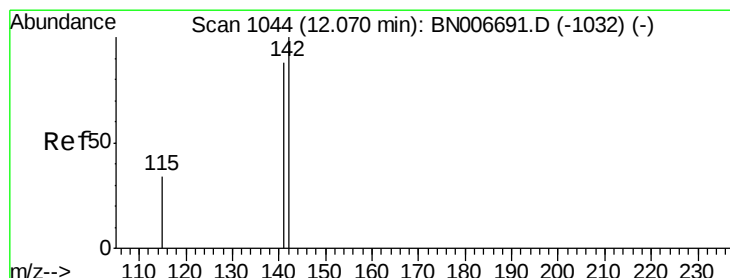
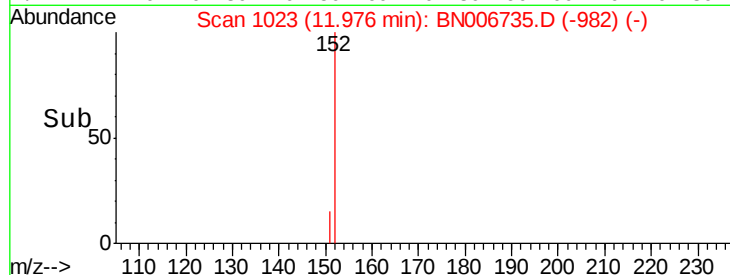
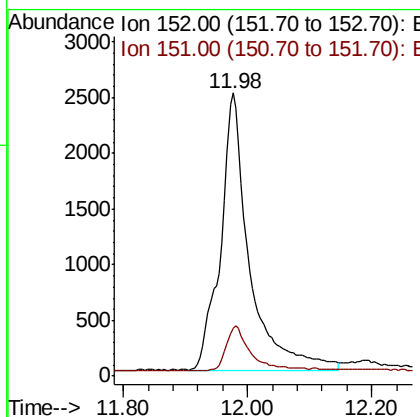
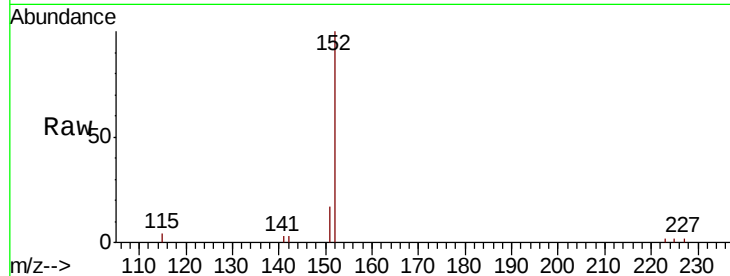




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.518 ng  
 RT: 11.98 min Scan# 1023  
 Delta R.T. -0.02 min  
 Lab File: BN006735.D  
 Acq: 06 Jul 2019 02:58

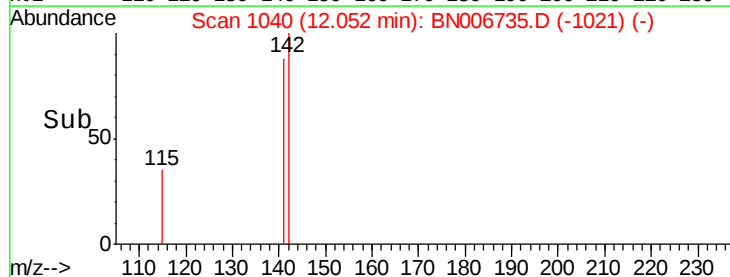
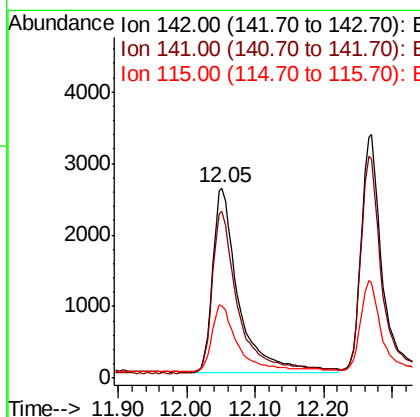
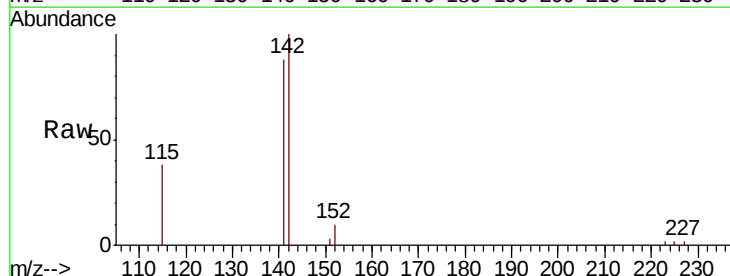
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB121057BS

Tot Ion:152 Resp: 7995  
 Ion Ratio Lower Upper  
 152 100  
 151 13.3 14.9 22.3#



#12  
 2-Methylnaphthalene  
 Concen: 0.335 ng  
 RT: 12.05 min Scan# 1040  
 Delta R.T. -0.02 min  
 Lab File: BN006735.D  
 Acq: 06 Jul 2019 02:58

Tgt Ion:142 Resp: 6781  
 Ion Ratio Lower Upper  
 142 100  
 141 88.2 70.3 105.5  
 115 37.8 28.9 43.3

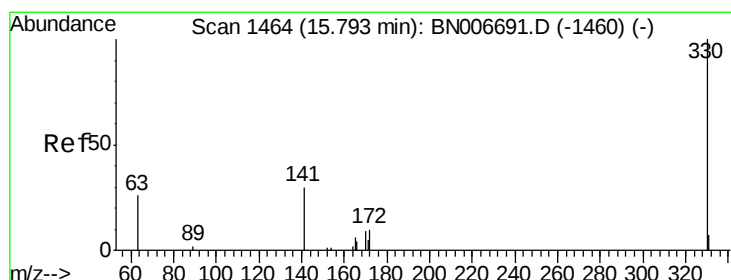
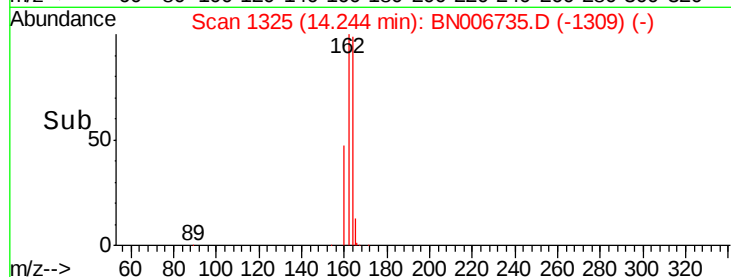
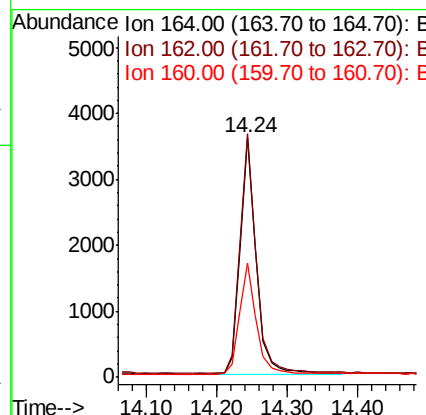
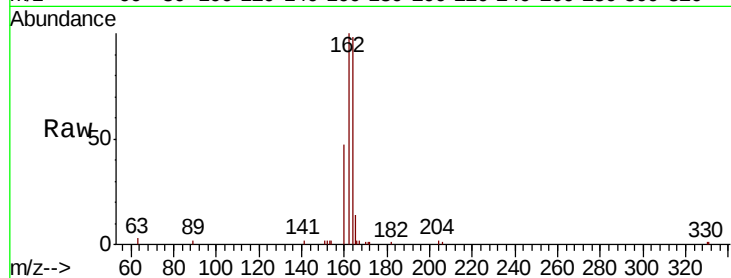




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.24 min Scan# 1325  
 Delta R.T. -0.02 min  
 Lab File: BN006735.D  
 Acq: 06 Jul 2019 02:58

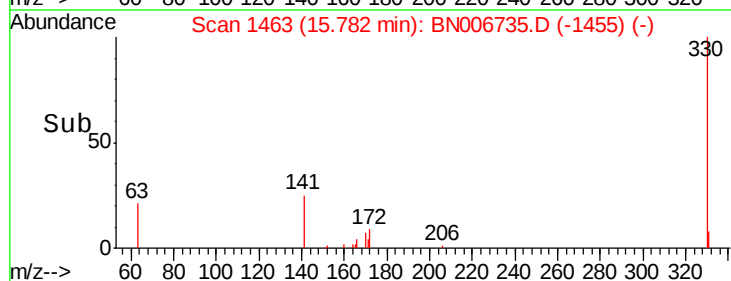
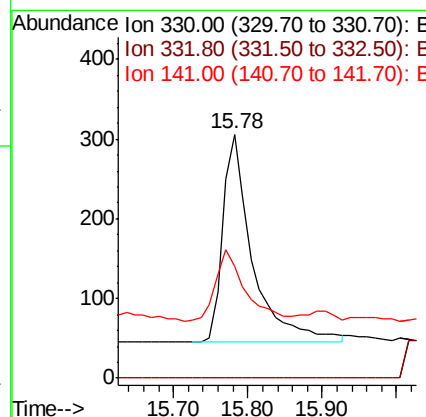
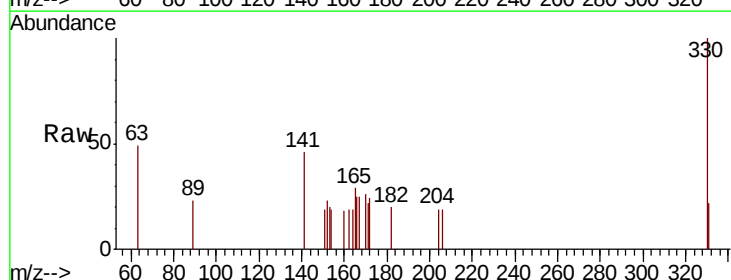
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB121057BS

Tot Ion:164 Resp: 5735  
 Ion Ratio Lower Upper  
 164 100  
 162 101.6 80.8 121.2  
 160 47.7 37.0 55.6



#14  
 2,4,6-Tribromophenol  
 Concen: 0.258 ng  
 RT: 15.78 min Scan# 1463  
 Delta R.T. -0.01 min  
 Lab File: BN006735.D  
 Acq: 06 Jul 2019 02:58

Tgt Ion:330 Resp: 727  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 34.0 24.8 37.2

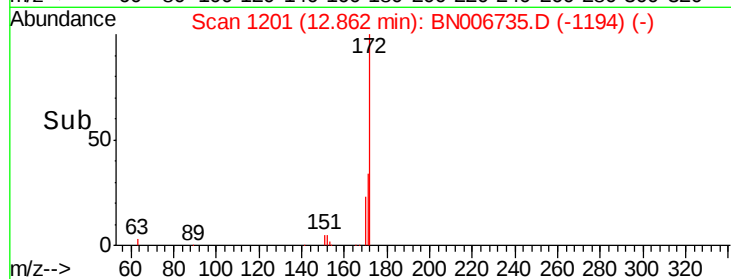
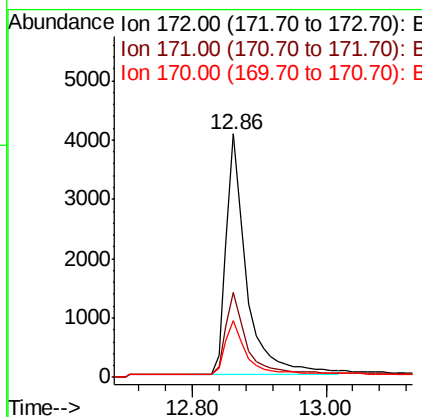
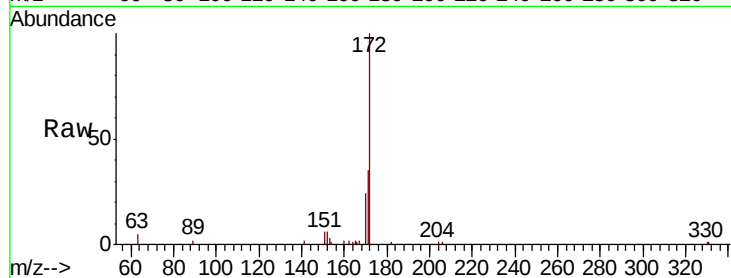




#15  
2-Fluorobiphenyl  
Concen: 0.383 ng  
RT: 12.86 min Scan# 1201  
Delta R.T. -0.02 min  
Lab File: BN006735.D  
Acq: 06 Jul 2019 02:58

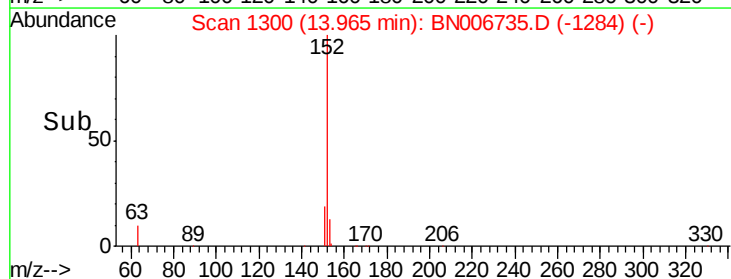
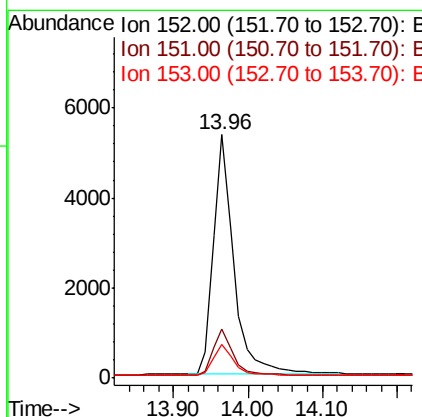
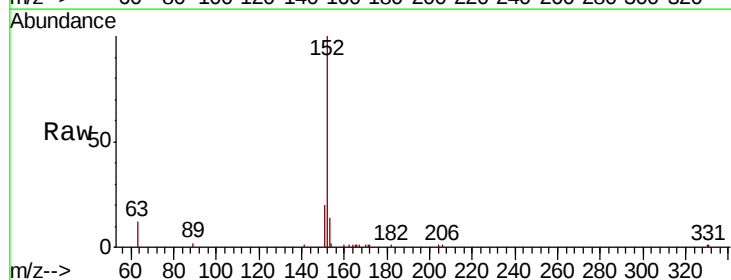
Instrument :  
BNA\_N  
ClientSampleId :  
PB121057BS

Tot Ion:172 Resp: 8597  
Ion Ratio Lower Upper  
172 100  
171 34.8 27.8 41.6  
170 23.5 18.9 28.3



#16  
Acenaphthylene  
Concen: 0.357 ng  
RT: 13.96 min Scan# 1300  
Delta R.T. -0.02 min  
Lab File: BN006735.D  
Acq: 06 Jul 2019 02:58

Tgt Ion:152 Resp: 10201  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.7 23.5  
153 13.1 10.6 15.8





#17

Acenaphthene

Concen: 0.371 ng

RT: 14.31 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

Instrument :

BNA\_N

ClientSampleId :

PB121057BS

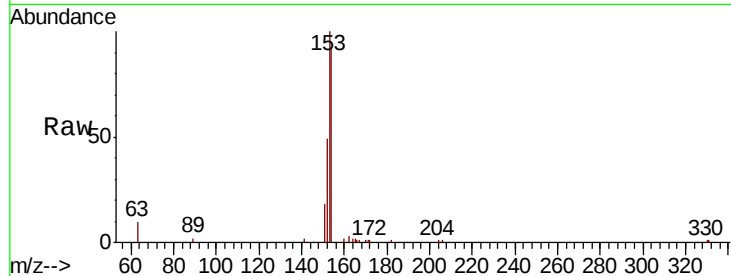
Tot Ion:154 Resp: 6756

Ion Ratio Lower Upper

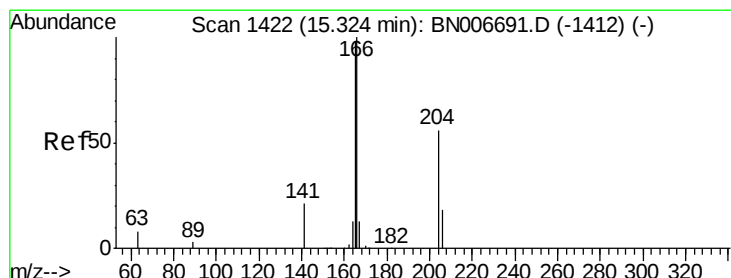
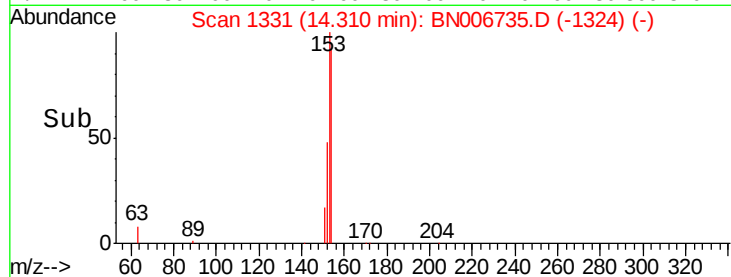
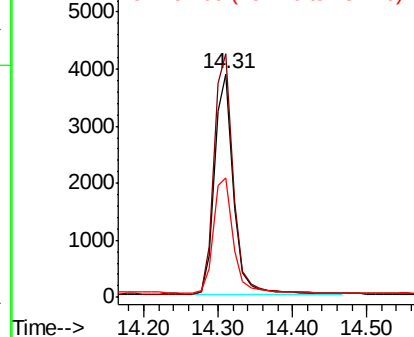
154 100

153 111.9 88.9 133.3

152 54.4 42.8 64.2



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: 0.364 ng

RT: 15.30 min Scan# 1420

Delta R.T. -0.02 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

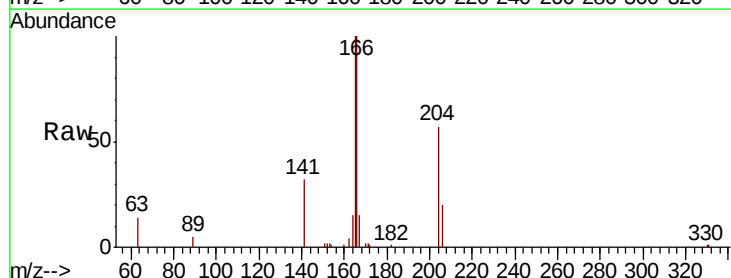
Tgt Ion:166 Resp: 8232

Ion Ratio Lower Upper

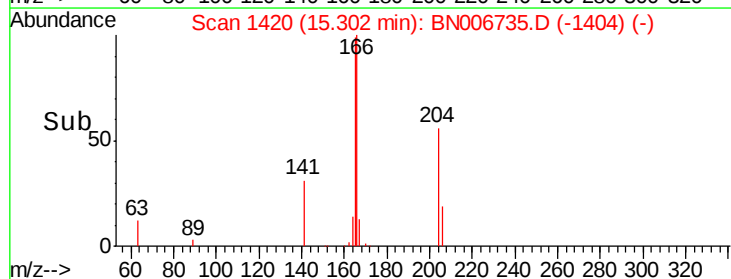
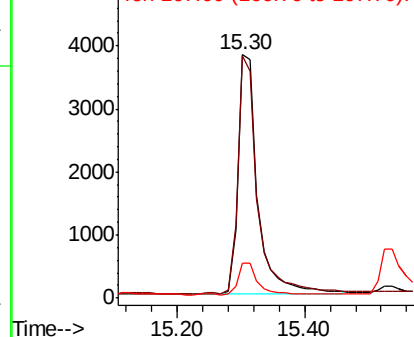
166 100

165 98.3 78.0 117.0

167 13.5 10.7 16.1



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: 17.00 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

Instrument :

BNA\_N

ClientSampleId :

PB121057BS

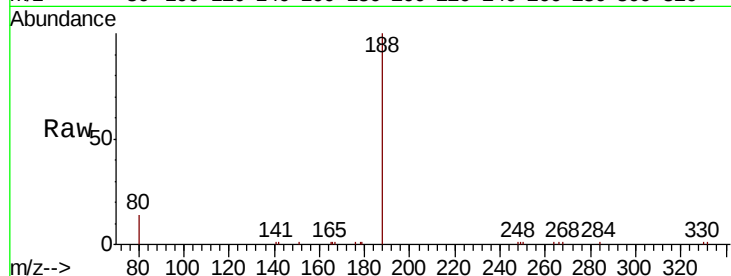
Tot Ion:188 Resp: 12427

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

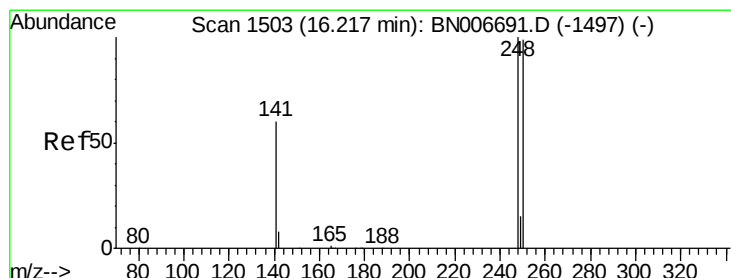
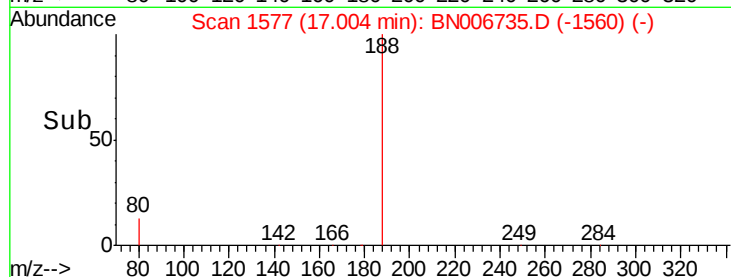
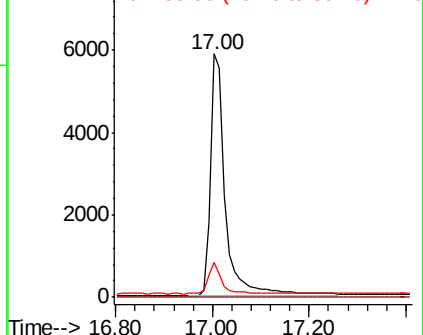
80 14.5 10.3 15.5



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: 0.343 ng

RT: 16.20 min Scan# 1501

Delta R.T. -0.02 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

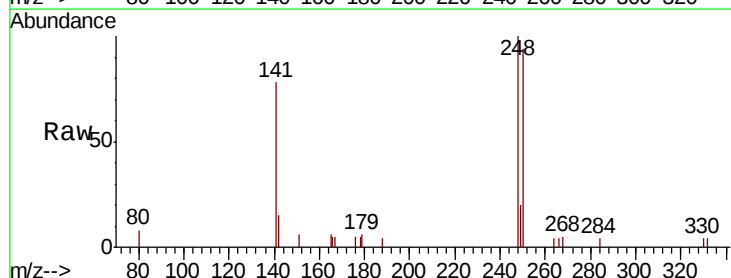
Tgt Ion:248 Resp: 2512

Ion Ratio Lower Upper

248 100

250 94.2 79.0 118.6

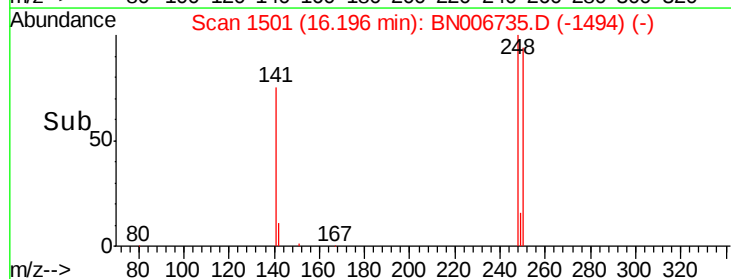
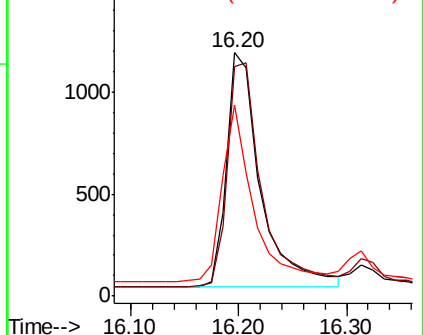
141 78.4 50.2 75.4#



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: 0.383 ng

RT: 16.32 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

Instrument :

BNA\_N

ClientSampleId :

PB121057BS

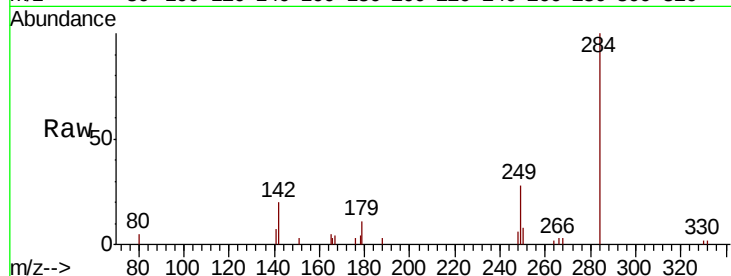
Tot Ion:284 Resp: 3337

Ion Ratio Lower Upper

284 100

142 33.2 26.9 40.3

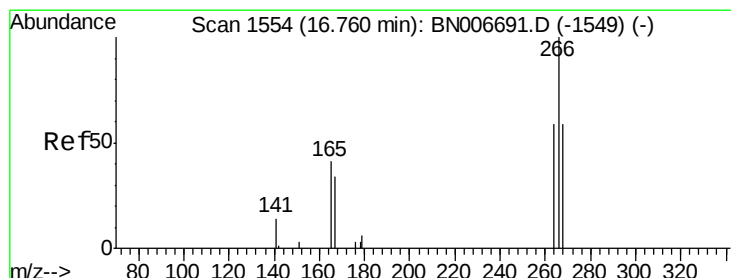
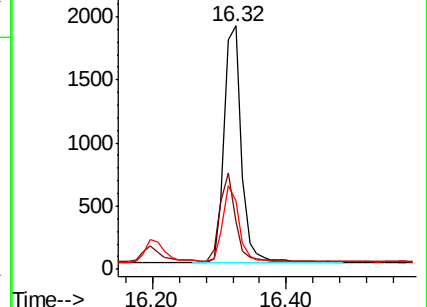
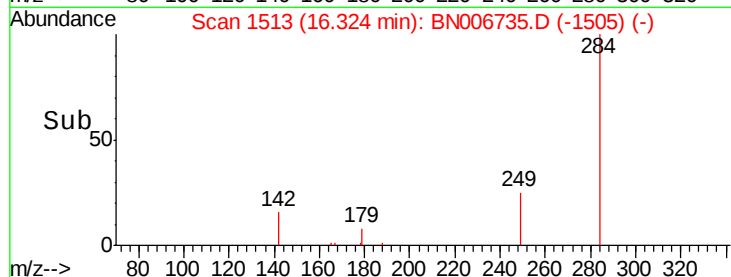
249 29.9 24.4 36.6



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: 0.596 ng

RT: 16.72 min Scan# 1550

Delta R.T. -0.04 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

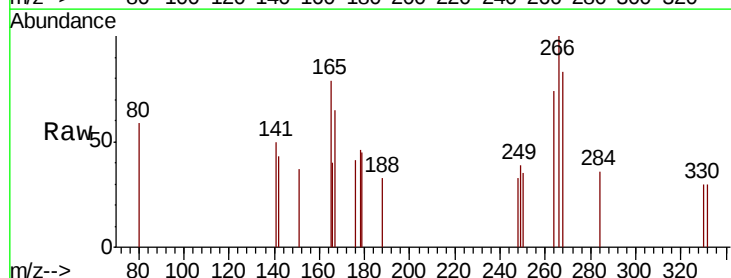
Tgt Ion:266 Resp: 591

Ion Ratio Lower Upper

266 100

264 74.0 57.6 86.4

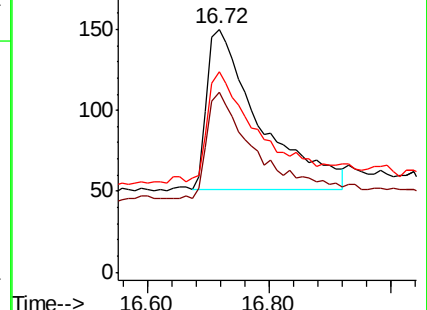
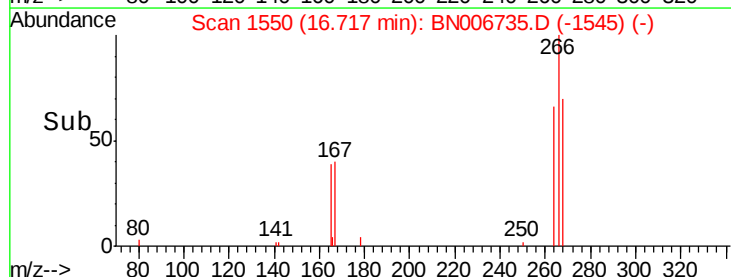
268 82.7 66.6 99.8



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: 0.354 ng

RT: 17.05 min Scan# 1581

Delta R.T. -0.02 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

Instrument :

BNA\_N

ClientSampleId :

PB121057BS

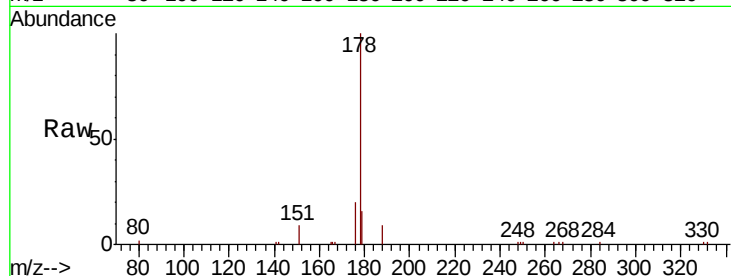
Tot Ion:178 Resp: 12695

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

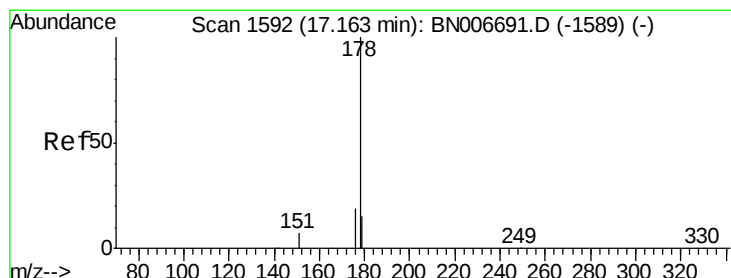
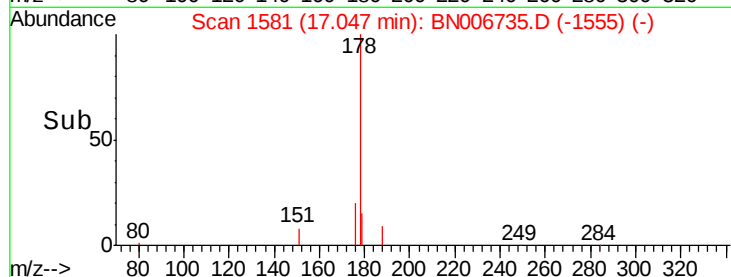
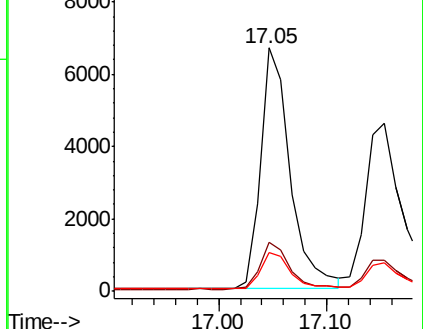
179 15.3 12.4 18.6



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



#24

Anthracene

Concen: 0.338 ng

RT: 17.15 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

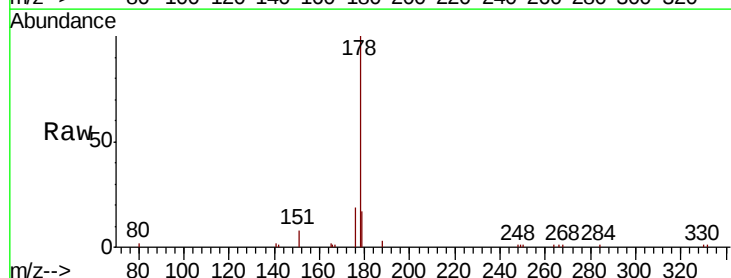
Tgt Ion:178 Resp: 10946

Ion Ratio Lower Upper

178 100

176 18.2 14.8 22.2

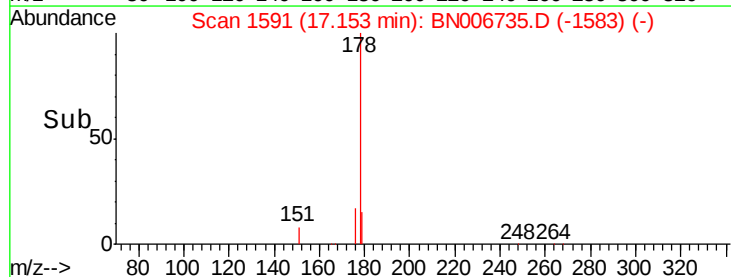
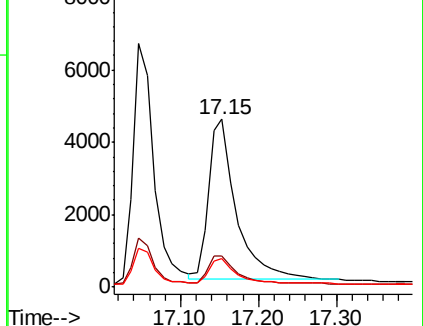
179 15.3 11.9 17.9

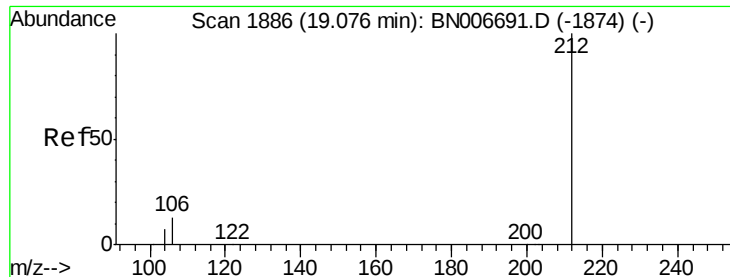


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.387 ng

RT: 19.05 min Scan# 1881

Delta R.T. -0.02 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

Instrument :

BNA\_N

ClientSampleId :

PB121057BS

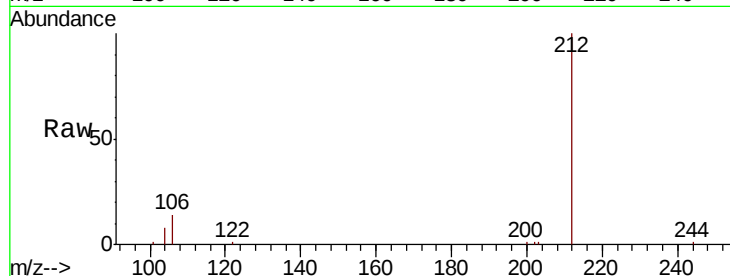
Tot Ion:212 Resp: 13743

Ion Ratio Lower Upper

212 100

106 12.9 11.0 16.6

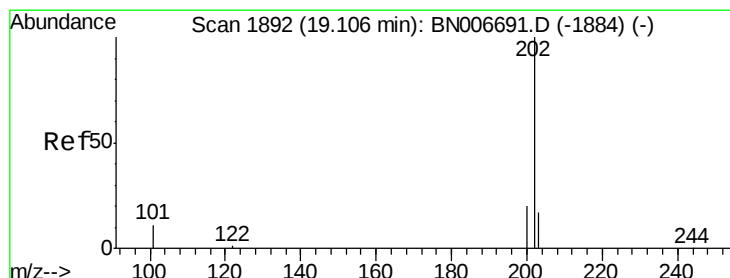
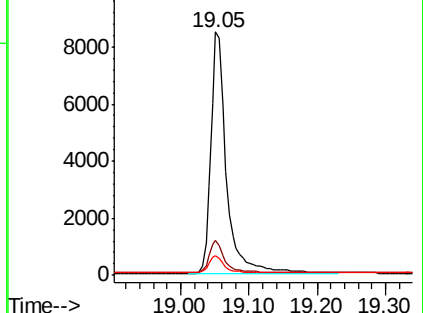
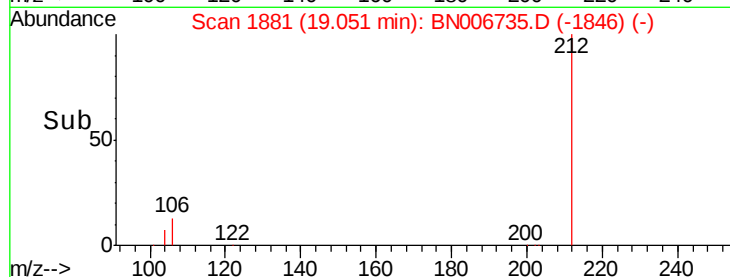
104 7.1 6.1 9.1



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: 0.372 ng

RT: 19.09 min Scan# 1888

Delta R.T. -0.02 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

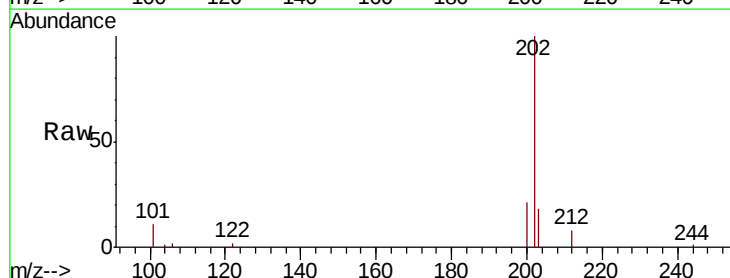
Tgt Ion:202 Resp: 15634

Ion Ratio Lower Upper

202 100

101 11.0 8.7 13.1

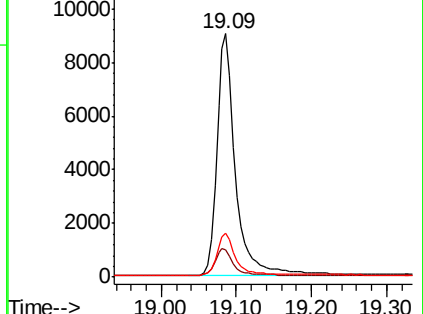
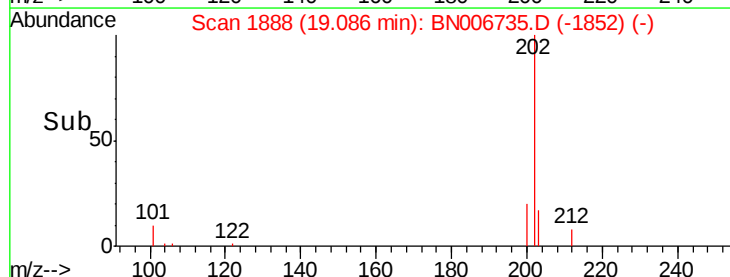
203 17.0 13.8 20.6



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

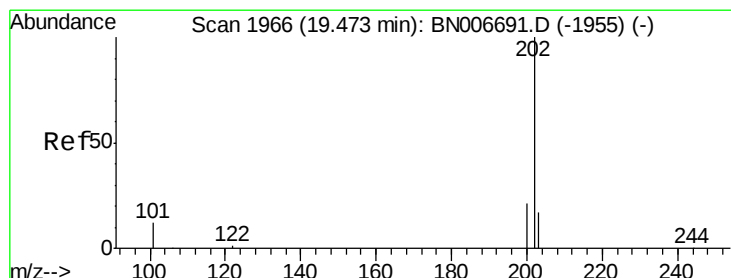
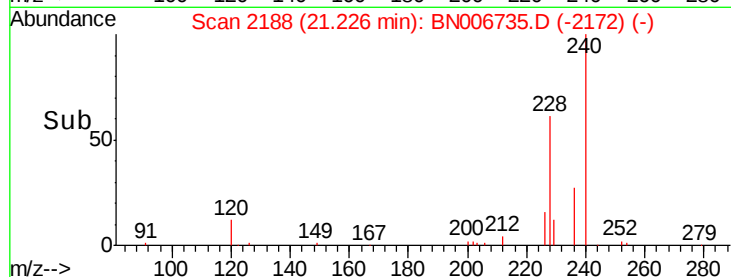
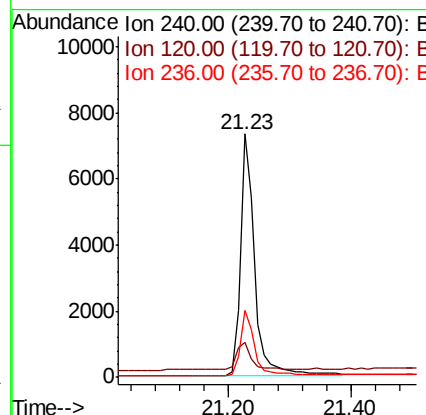
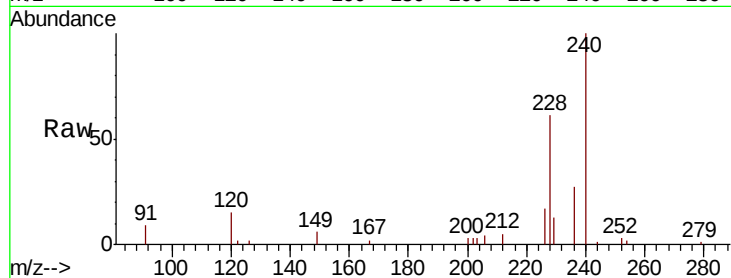




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.23 min Scan# 2188  
Delta R.T. -0.03 min  
Lab File: BN006735.D  
Acq: 06 Jul 2019 02:58

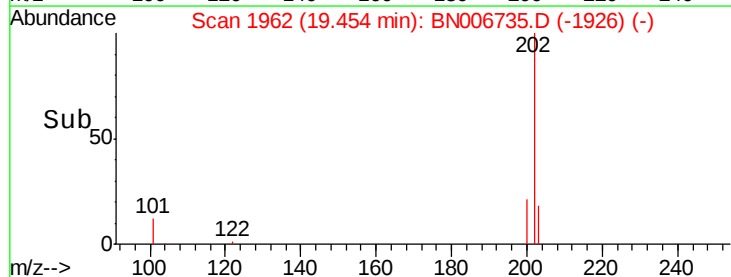
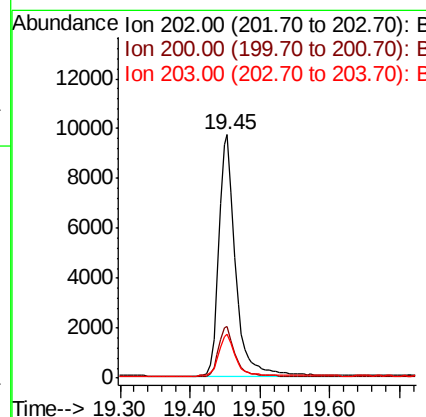
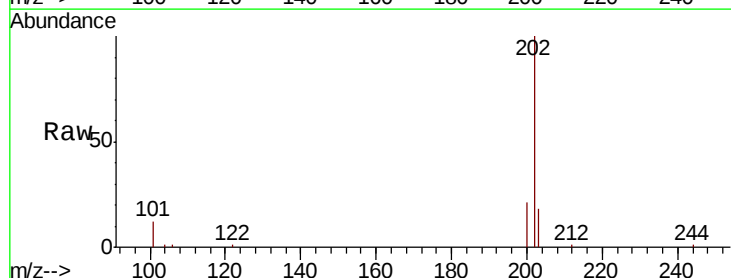
Instrument :  
BNA\_N  
ClientSampleId :  
PB121057BS

Tot Ion:240 Resp: 11794  
Ion Ratio Lower Upper  
240 100  
120 14.6 12.9 19.3  
236 27.3 23.2 34.8



#28  
Pyrene  
Concen: 0.341 ng  
RT: 19.45 min Scan# 1962  
Delta R.T. -0.02 min  
Lab File: BN006735.D  
Acq: 06 Jul 2019 02:58

Tgt Ion:202 Resp: 16102  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.8 25.2  
203 18.1 14.2 21.2





#29

Terphenyl-d14

Concen: 0.381 ng

RT: 19.66 min Scan# 2003

Delta R.T. -0.02 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

Instrument :

BNA\_N

ClientSampleId :

PB121057BS

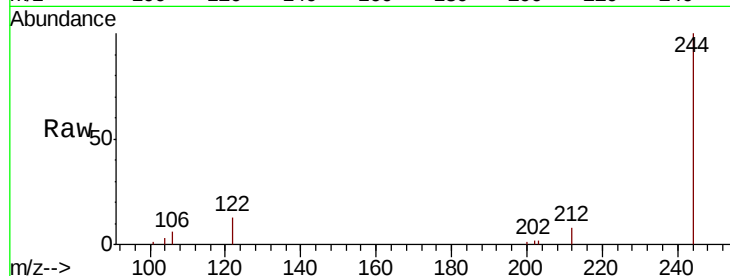
Tot Ion:244 Resp: 10344

Ion Ratio Lower Upper

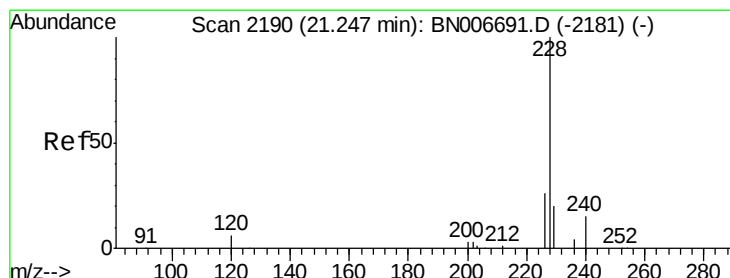
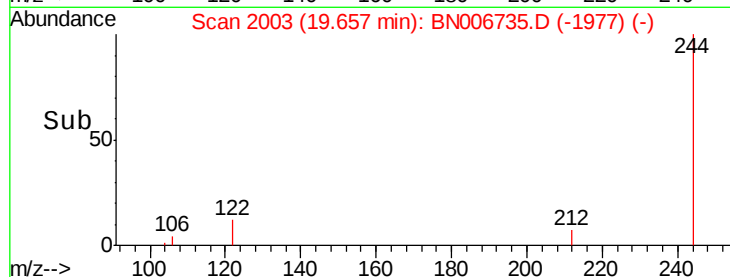
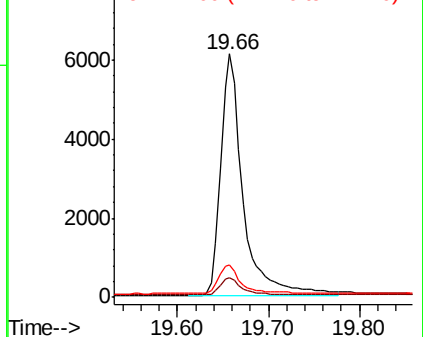
244 100

212 8.2 7.0 10.4

122 13.3 11.5 17.3



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



#30

Benzo(a)anthracene

Concen: 0.345 ng

RT: 21.22 min Scan# 2187

Delta R.T. -0.03 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

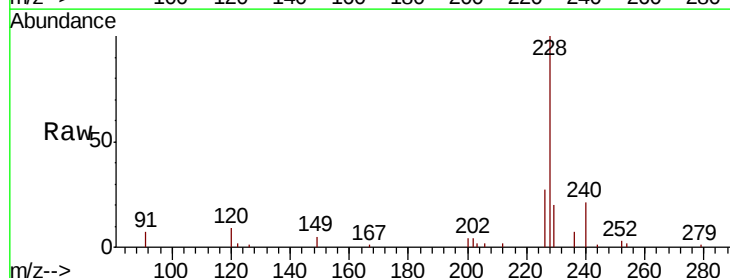
Tgt Ion:228 Resp: 14053

Ion Ratio Lower Upper

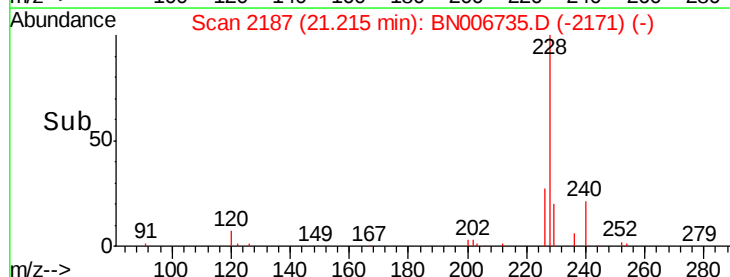
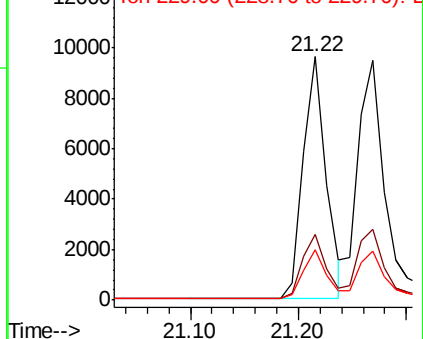
228 100

226 27.1 21.5 32.3

229 20.5 16.2 24.4



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: 0.377 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

Instrument :

BNA\_N

ClientSampleId :

PB121057BS

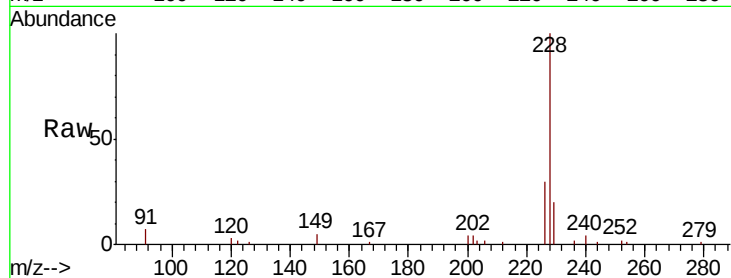
Tot Ion:228 Resp: 15811

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.2

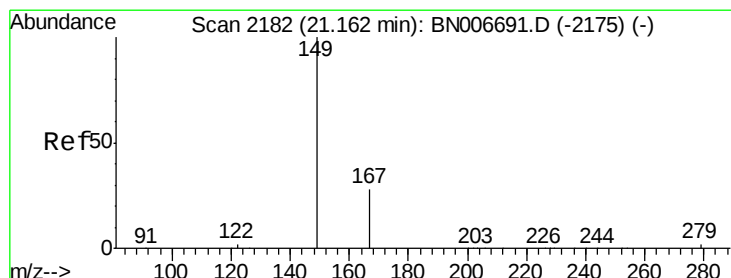
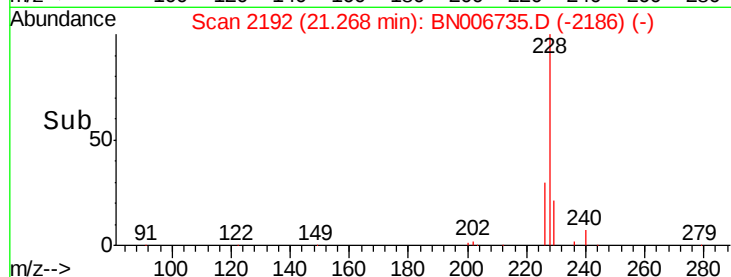
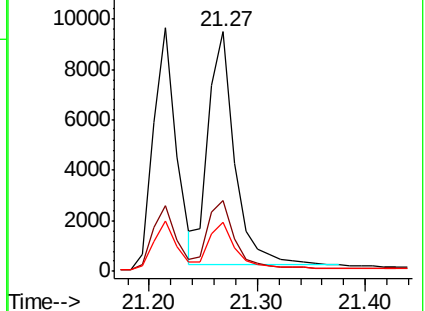
229 20.3 15.8 23.6



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: 0.051 ng

RT: 21.13 min Scan# 2179

Delta R.T. -0.03 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

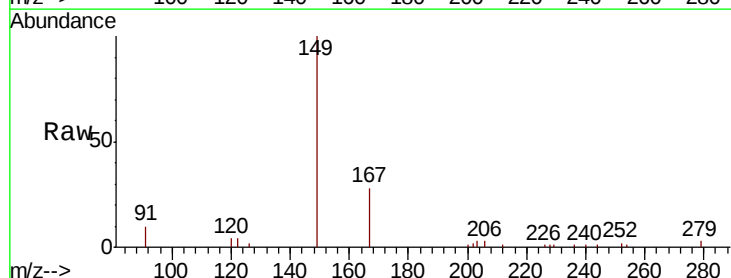
Tgt Ion:149 Resp: 6207

Ion Ratio Lower Upper

149 100

167 28.6 22.9 34.3

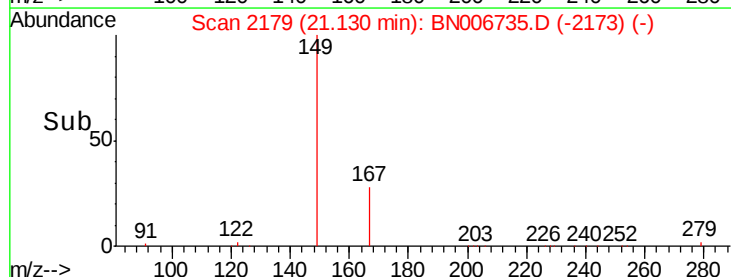
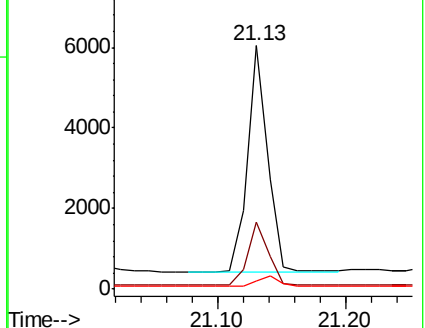
279 4.9 3.2 4.8#



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: 0.433 ng

RT: 25.68 min Scan# 3255

Delta R.T. -0.07 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

Instrument :

BNA\_N

ClientSampleId :

PB121057BS

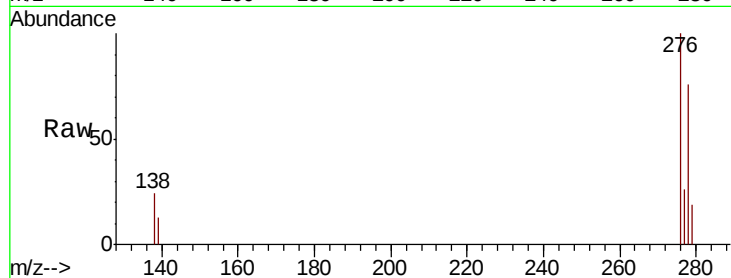
Tot Ion:276 Resp: 21693

Ion Ratio Lower Upper

276 100

138 22.5 19.5 29.3

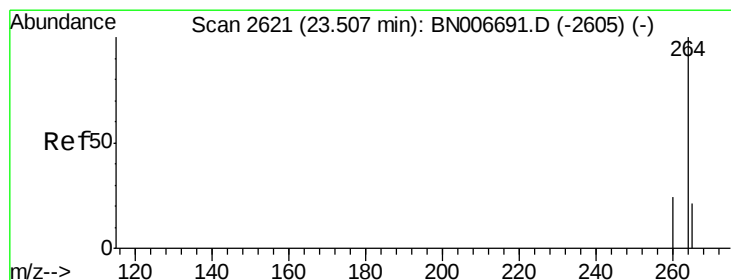
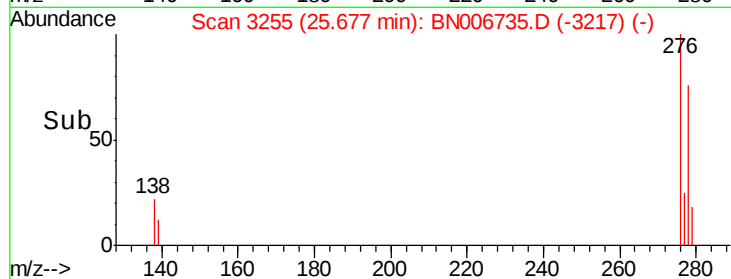
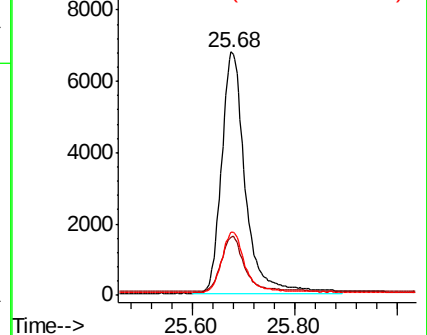
277 24.6 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.45 min Scan# 2605

Delta R.T. -0.05 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

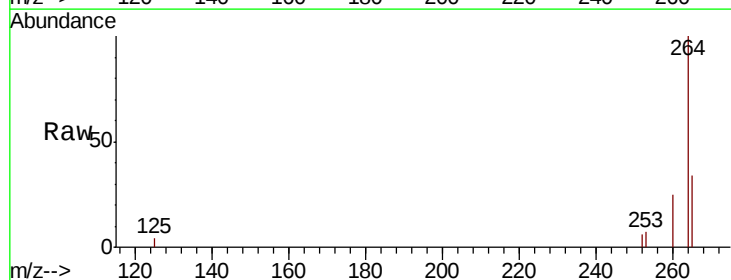
Tgt Ion:264 Resp: 14080

Ion Ratio Lower Upper

264 100

260 25.1 20.2 30.2

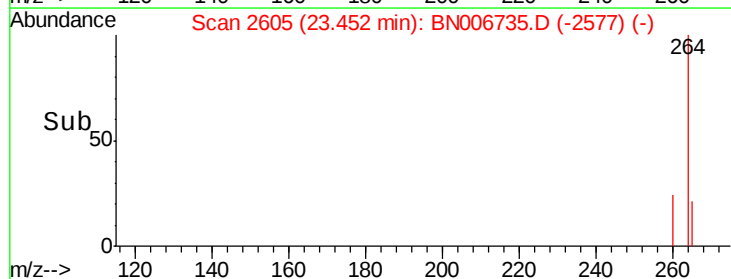
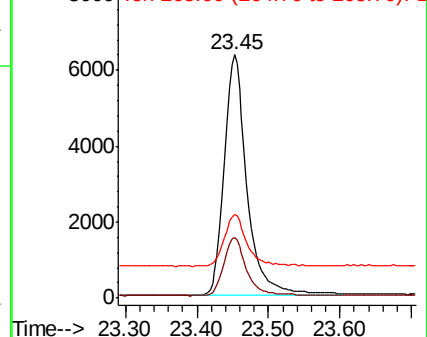
265 34.2 33.7 50.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.352 ng

RT: 22.79 min Scan# 2411

Delta R.T. -0.05 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

Instrument :

BNA\_N

ClientSampleId :

PB121057BS

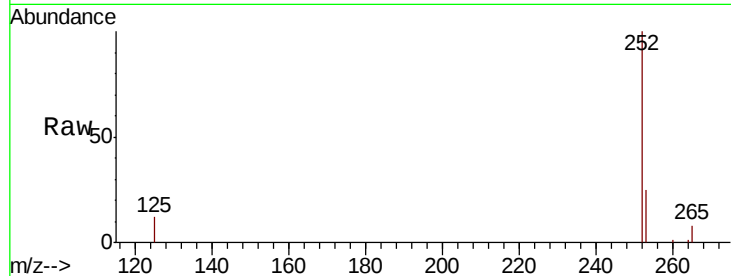
Tot Ion:252 Resp: 15924

Ion Ratio Lower Upper

252 100

253 24.8 20.2 30.2

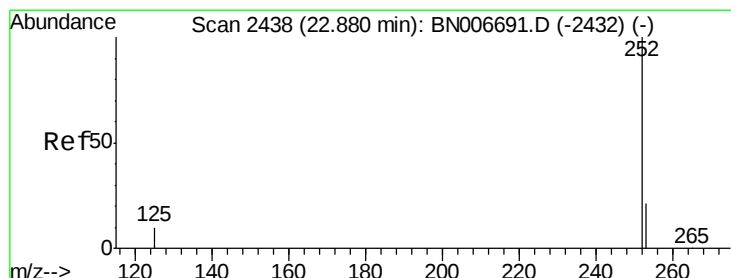
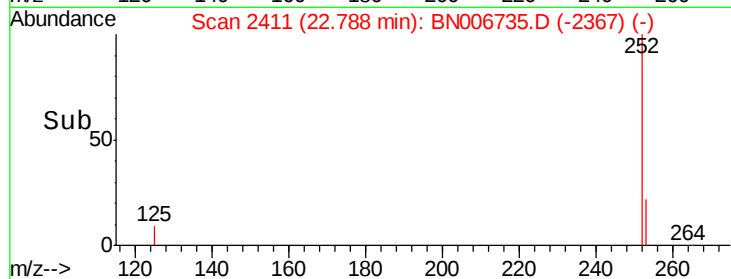
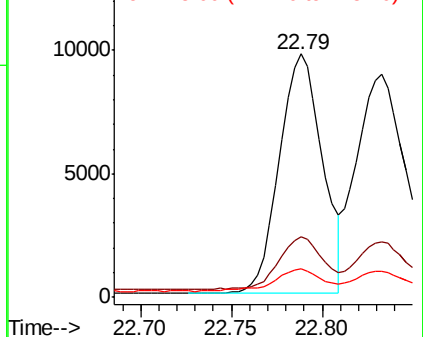
125 11.7 11.5 17.3



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: 0.385 ng

RT: 22.83 min Scan# 2424

Delta R.T. -0.05 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

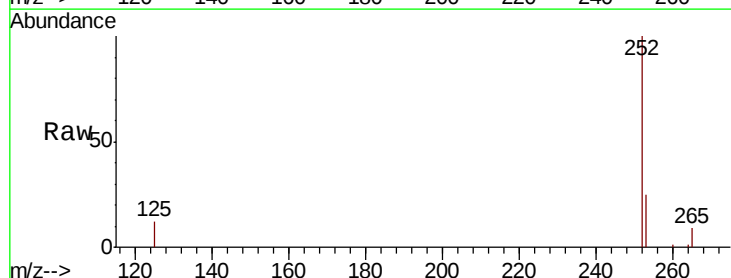
Tgt Ion:252 Resp: 18869

Ion Ratio Lower Upper

252 100

253 24.9 20.1 30.1

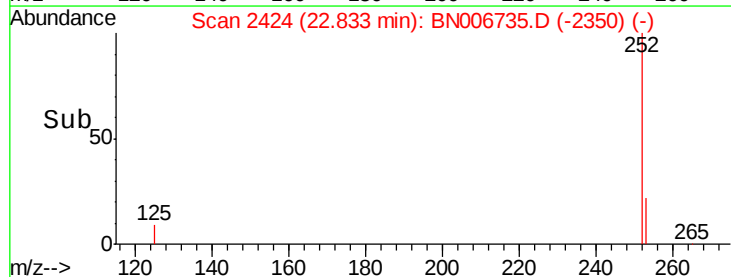
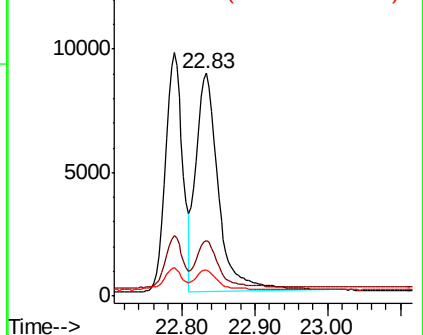
125 11.5 11.4 17.0



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: 0.389 ng

RT: 23.36 min Scan# 2577

Delta R.T. -0.05 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

Instrument :

BNA\_N

ClientSampleId :

PB121057BS

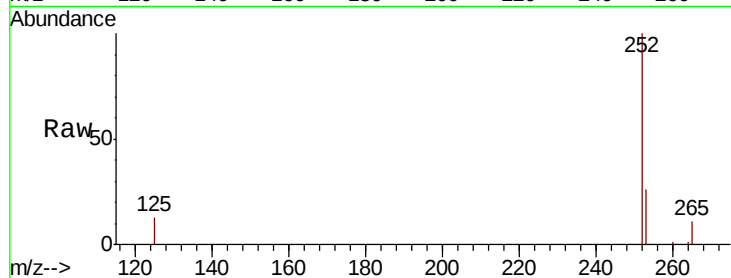
Tot Ion:252 Resp: 17042

Ion Ratio Lower Upper

252 100

253 25.9 21.4 32.2

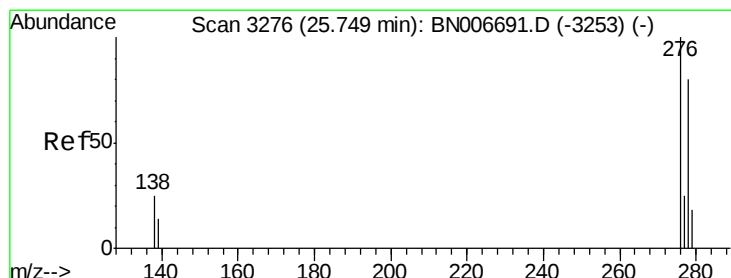
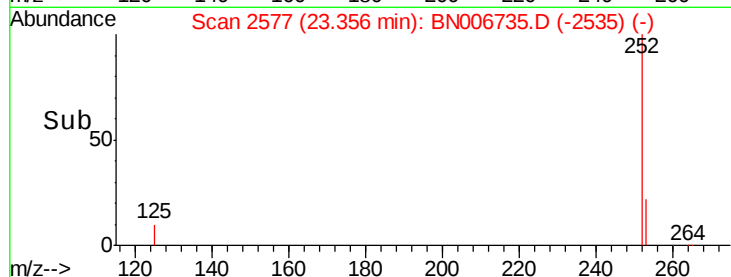
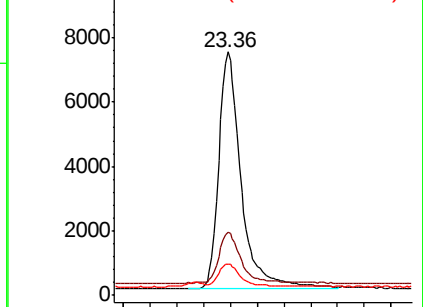
125 13.0 13.3 19.9#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.401 ng

RT: 25.68 min Scan# 3256

Delta R.T. -0.07 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

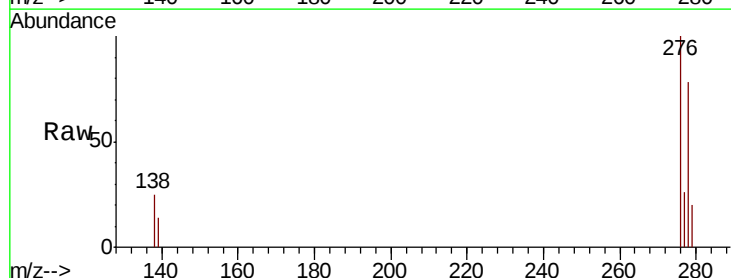
Tgt Ion:278 Resp: 17434

Ion Ratio Lower Upper

278 100

139 17.3 16.2 24.4

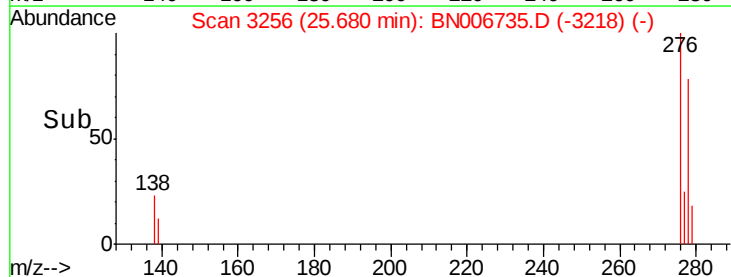
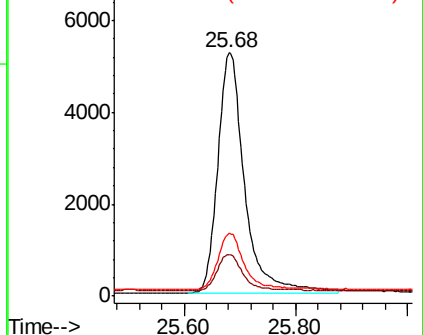
279 25.9 20.7 31.1



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: 0.422 ng

RT: 26.36 min Scan# 3455

Delta R.T. -0.07 min

Lab File: BN006735.D

Acq: 06 Jul 2019 02:58

Instrument :

BNA\_N

ClientSampleId :

PB121057BS

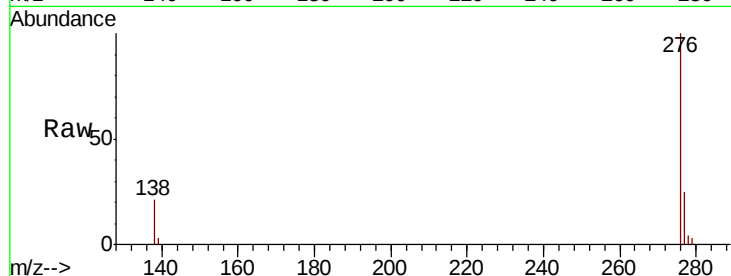
Tot Ion: 276 Resp: 18899

Ion Ratio Lower Upper

276 100

277 24.8 20.6 30.8

138 21.2 19.7 29.5



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

