

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091219\  
 Data File : BN007608.D  
 Acq On : 12 Sep 2019 14:40  
 Operator : HP/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 ICVBN091219

Quant Time: Sep 12 15:39:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 12 14:27:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 7399     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.49 | 136  | 28703    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.34 | 164  | 16138    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.08 | 188  | 33346    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.28 | 240  | 33463    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.50 | 264  | 33251    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.33  | 112 | 8413  | 0.36 | ng | 0.00 |
| 5) Phenol-d6                | 6.89  | 99  | 10696 | 0.37 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.86  | 82  | 9158  | 0.40 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.08 | 152 | 20351 | 0.42 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.83 | 330 | 1982  | 0.32 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.97 | 172 | 28301 | 0.40 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.12 | 212 | 44082 | 0.42 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.72 | 244 | 37175 | 0.42 | ng | 0.00 |

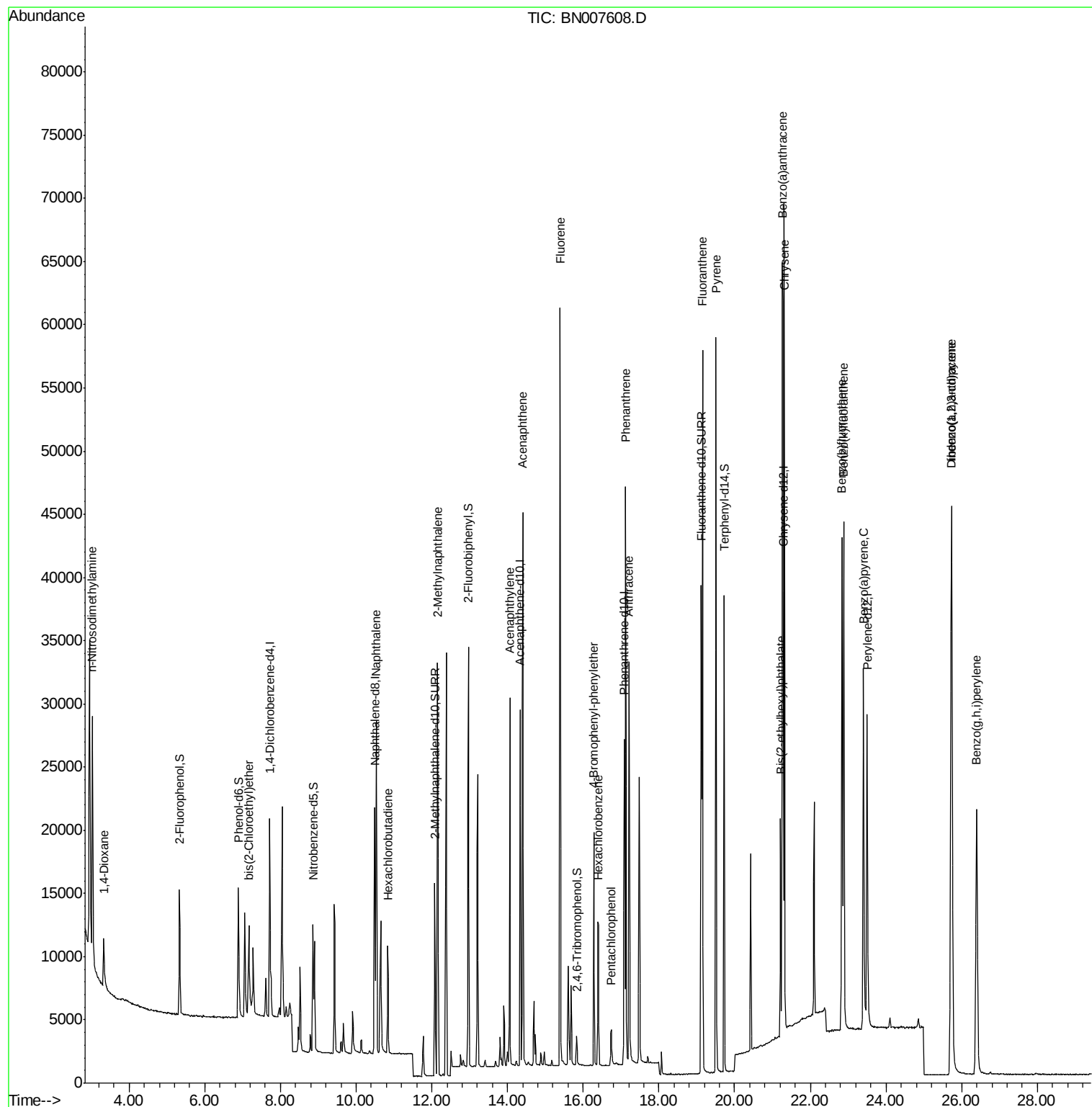
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.33  | 88  | 3518  | 0.397  | ng | 98    |
| 3) n-Nitrosodimethylamine      | 3.03  | 42  | 2430  | 0.604  | ng | # 1   |
| 6) bis(2-Chloroethyl)ether     | 7.16  | 93  | 8077  | 0.372  | ng | 96    |
| 9) Naphthalene                 | 10.53 | 128 | 34995 | 0.426  | ng | 99    |
| 10) Hexachlorobutadiene        | 10.84 | 225 | 7074  | 0.427  | ng | # 100 |
| 12) 2-Methylnaphthalene        | 12.15 | 142 | 23323 | 0.422  | ng | 99    |
| 16) Acenaphthylene             | 14.06 | 152 | 31611 | 0.377  | ng | 100   |
| 17) Acenaphthene               | 14.40 | 154 | 21637 | 0.395  | ng | 99    |
| 18) Fluorene                   | 15.39 | 166 | 27017 | 0.391  | ng | 100   |
| 20) 4-Bromophenyl-phenylether  | 16.28 | 248 | 8706  | 0.422  | ng | 96    |
| 21) Hexachlorobenzene          | 16.40 | 284 | 9569  | 0.434  | ng | 99    |
| 22) Pentachlorophenol          | 16.74 | 266 | 1936  | 0.338  | ng | 99    |
| 23) Phenanthrene               | 17.12 | 178 | 44945 | 0.427  | ng | 100   |
| 24) Anthracene                 | 17.21 | 178 | 38375 | 0.412  | ng | 99    |
| 26) Fluoranthene               | 19.15 | 202 | 51543 | 0.419  | ng | 100   |
| 28) Pyrene                     | 19.51 | 202 | 51321 | 0.422  | ng | 100   |
| 30) Benzo(a)anthracene         | 21.26 | 228 | 47520 | 0.400  | ng | 99    |
| 31) Chrysene                   | 21.31 | 228 | 51615 | 0.418  | ng | 100   |
| 32) Bis(2-ethylhexyl)phthalate | 21.22 | 149 | 13793 | 0.343  | ng | 100   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.72 | 276 | 55140 | 0.418  | ng | 100   |
| 35) Benzo(b)fluoranthene       | 22.84 | 252 | 48269 | 0.400  | ng | 98    |
| 36) Benzo(k)fluoranthene       | 22.88 | 252 | 50671 | 0.410  | ng | 99    |
| 37) Benzo(a)pyrene             | 23.40 | 252 | 42094 | 0.393  | ng | 98    |
| 38) Dibenzo(a,h)anthracene     | 25.74 | 278 | 45889 | 0.409  | ng | 100   |
| 39) Benzo(g,h,i)perylene       | 26.39 | 276 | 44951 | 0.405  | ng | 99    |

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

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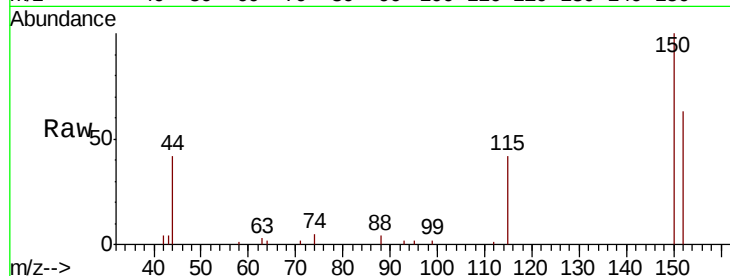


#1

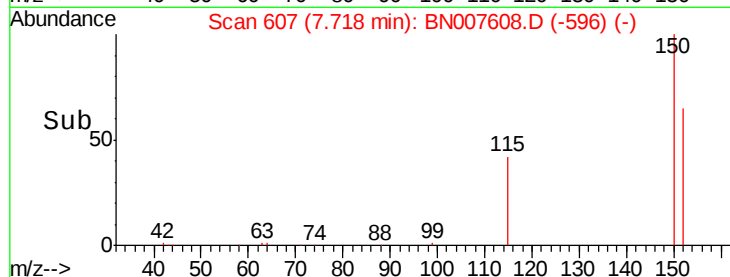
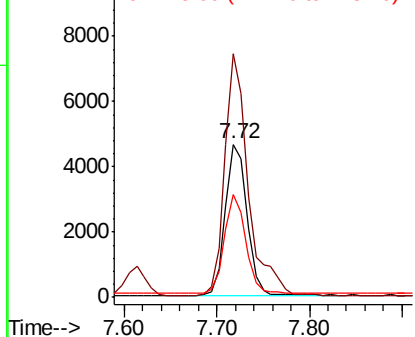
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.72 min Scan# 607  
Delta R.T. -0.01 min  
Lab File: BN007608.D  
Acq: 12 Sep 2019 14:40

Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091219

Tot Ion:152 Resp: 7399  
Ion Ratio Lower Upper  
152 100  
150 159.0 122.4 183.6  
115 67.2 50.4 75.6



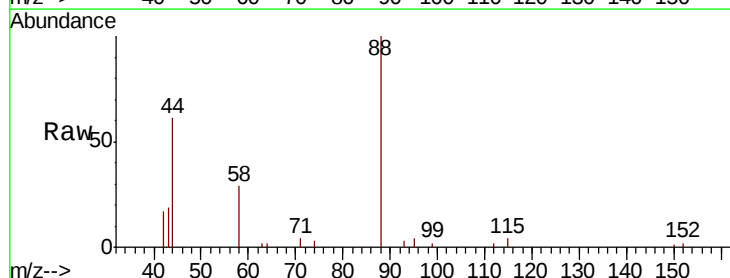
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



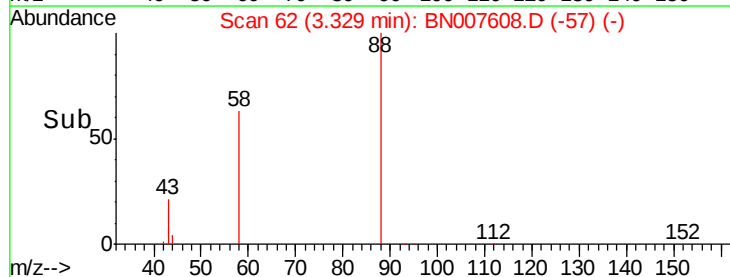
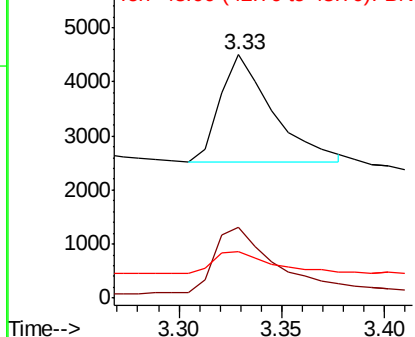
#2

1,4-Dioxane  
Concen: 0.397 ng  
RT: 3.33 min Scan# 62  
Delta R.T. -0.01 min  
Lab File: BN007608.D  
Acq: 12 Sep 2019 14:40

Tgt Ion: 88 Resp: 3518  
Ion Ratio Lower Upper  
88 100  
58 70.1 57.0 85.4  
43 23.3 20.0 30.0



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: 0.604 ng

RT: 3.03 min Scan# 25

Delta R.T. -0.01 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

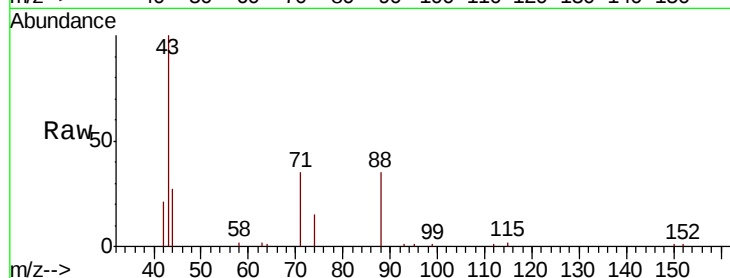
Tot Ion: 42 Resp: 2430

Ion Ratio Lower Upper

42 100

74 109.8 9.8 14.8#

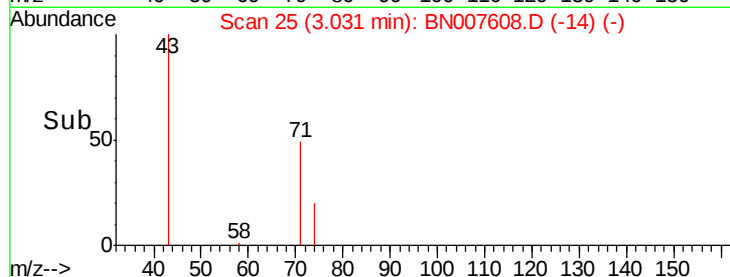
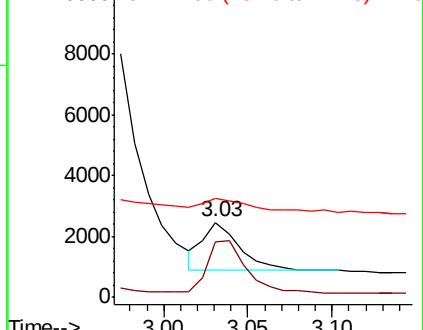
44 37.5 0.0 0.0#



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: 0.355 ng

RT: 5.33 min Scan# 311

Delta R.T. -0.01 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

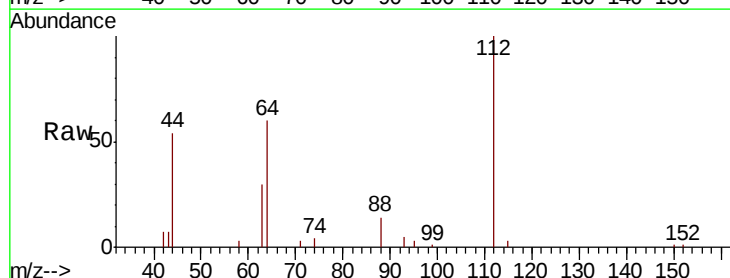
Tgt Ion: 112 Resp: 8413

Ion Ratio Lower Upper

112 100

64 61.2 48.5 72.7

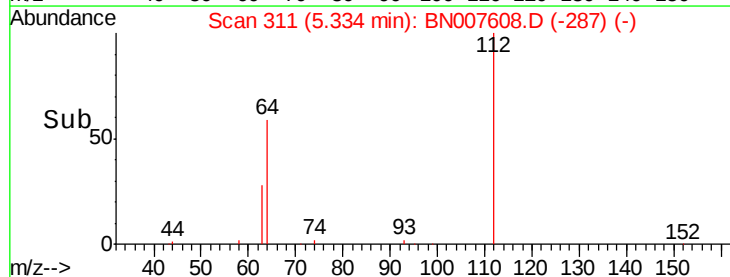
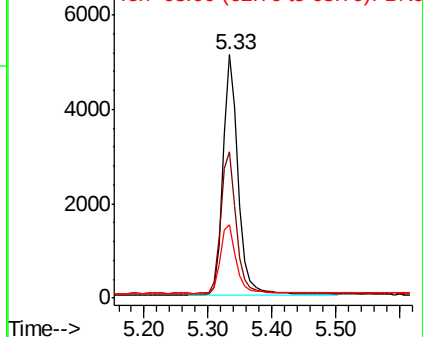
63 31.0 24.4 36.6

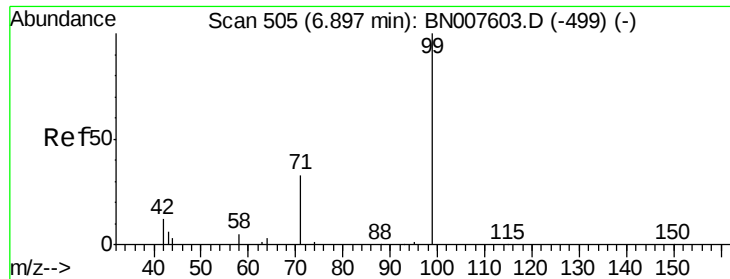


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.371 ng

RT: 6.89 min Scan# 504

Delta R.T. -0.01 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

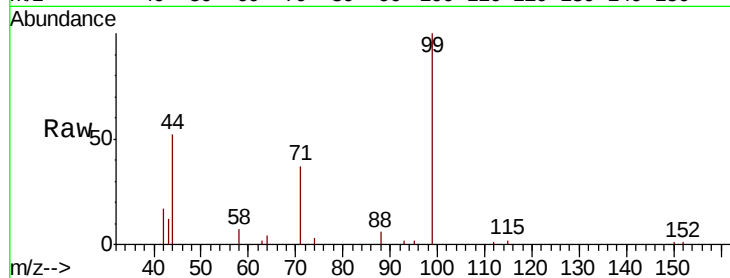
Tot Ion: 99 Resp: 10696

Ion Ratio Lower Upper

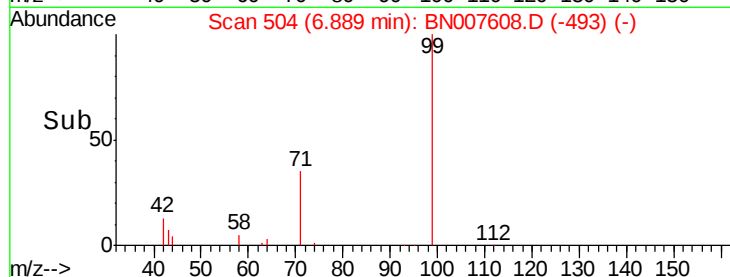
99 100

42 15.0 11.8 17.6

71 34.6 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BN007608.D (-513) (-)

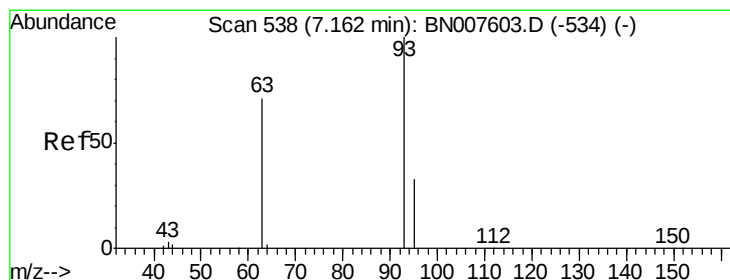


Ion 42.00 (41.70 to 42.70): BN007608.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BN007608.D (-493) (-)

6.89

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.372 ng

RT: 7.16 min Scan# 538

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

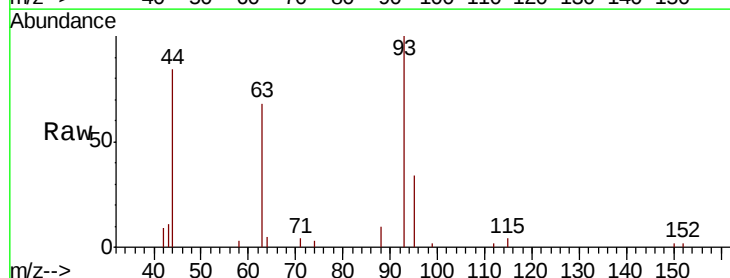
Tgt Ion: 93 Resp: 8077

Ion Ratio Lower Upper

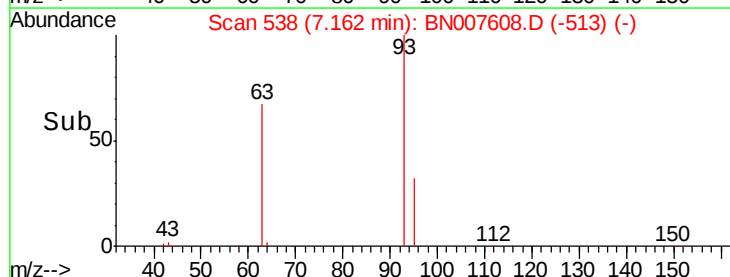
93 100

63 74.6 61.2 91.8

95 38.7 27.2 40.8



Abundance Ion 93.00 (92.70 to 93.70): BN007608.D (-513) (-)

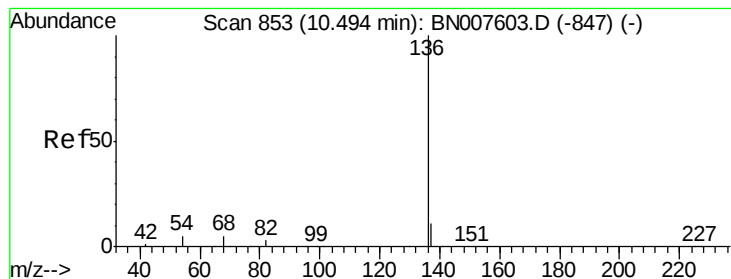


Ion 63.00 (62.70 to 63.70): BN007608.D (-513) (-)

Ion 95.00 (94.70 to 95.70): BN007608.D (-513) (-)

7.16

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

Tot Ion:136 Resp: 28703

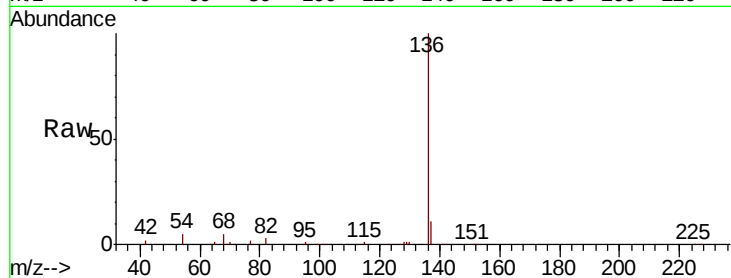
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 4.6 4.2 6.4

68 5.4 4.6 7.0

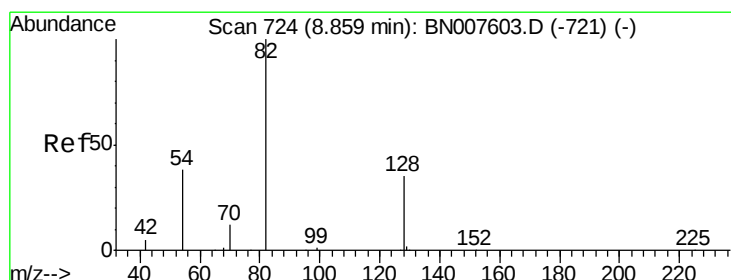
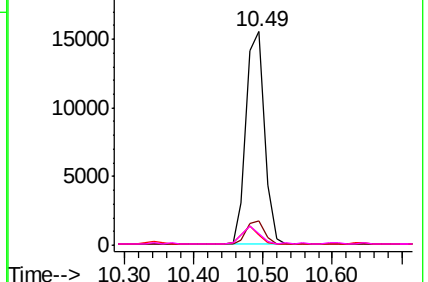
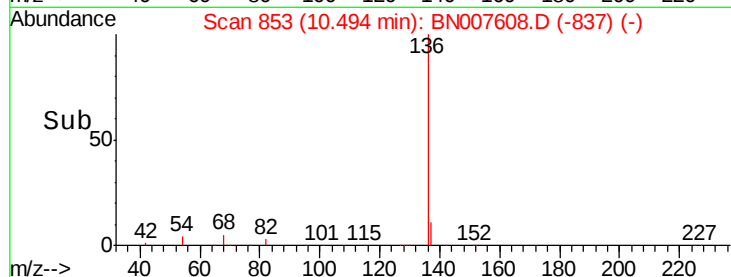


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.400 ng

RT: 8.86 min Scan# 724

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

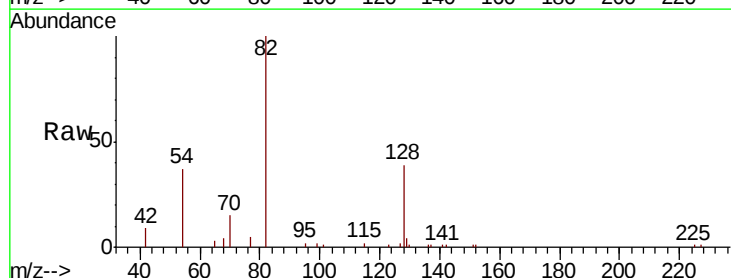
Tgt Ion: 82 Resp: 9158

Ion Ratio Lower Upper

82 100

128 39.1 27.9 41.9

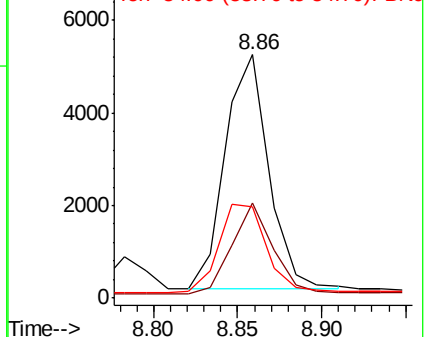
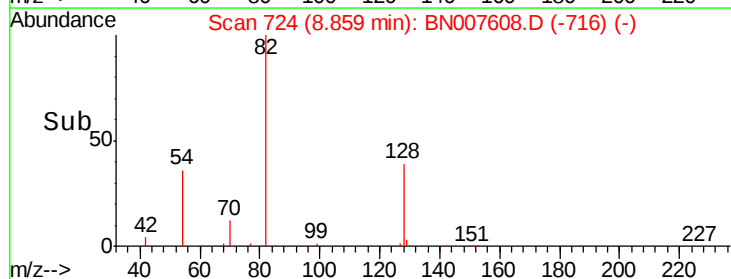
54 37.4 30.9 46.3

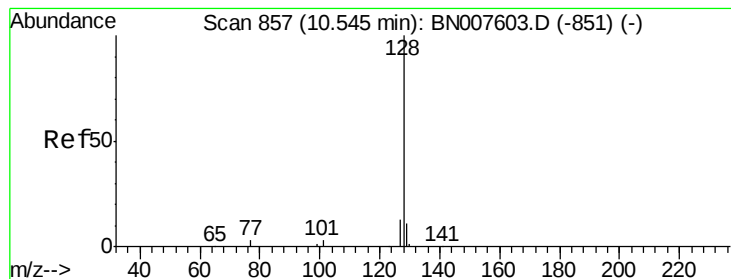


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.426 ng

RT: 10.53 min Scan# 856

Delta R.T. -0.01 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

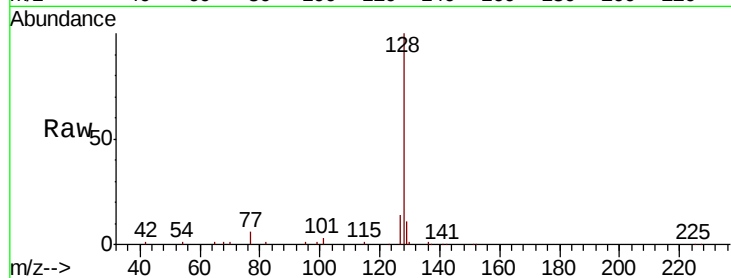
Tot Ion:128 Resp: 34995

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.4

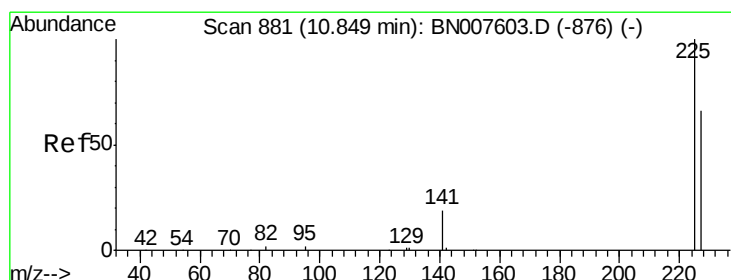
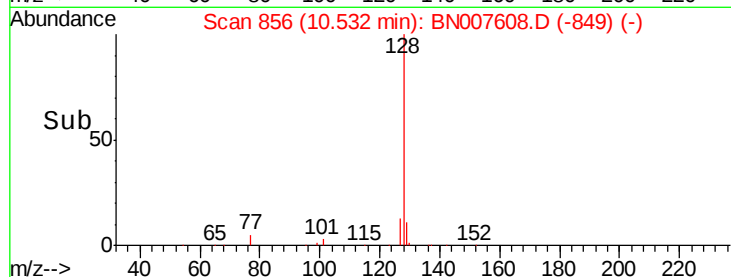
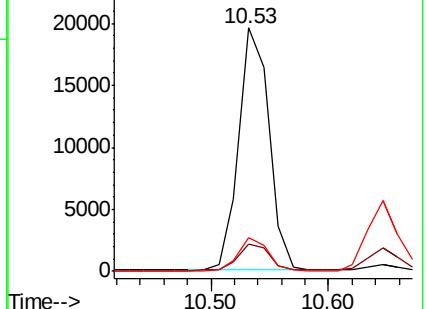
127 13.7 10.4 15.6



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: 0.427 ng

RT: 10.84 min Scan# 880

Delta R.T. -0.01 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

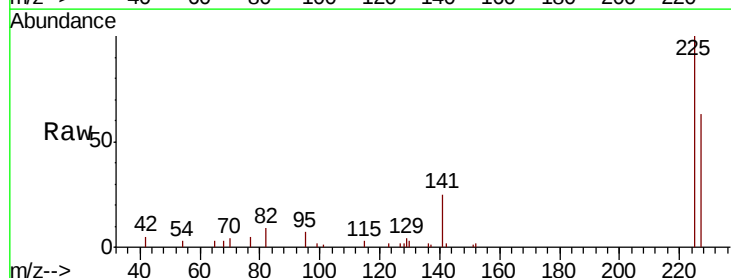
Tgt Ion:225 Resp: 7074

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

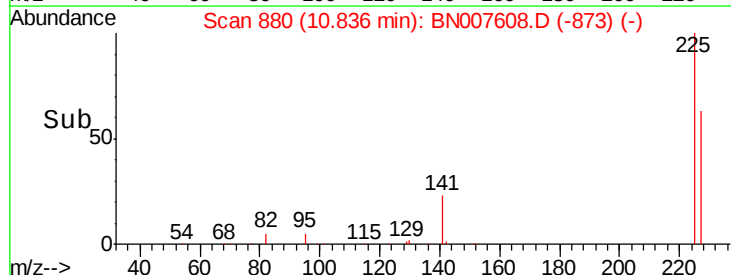
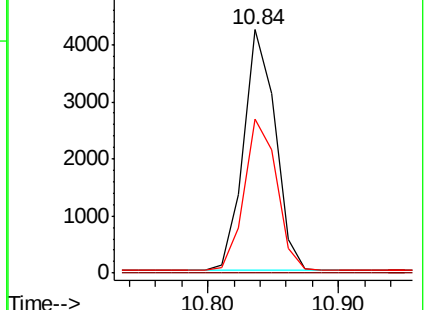
227 64.3 51.3 76.9

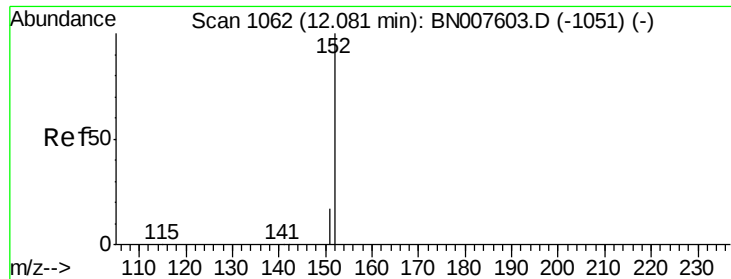


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

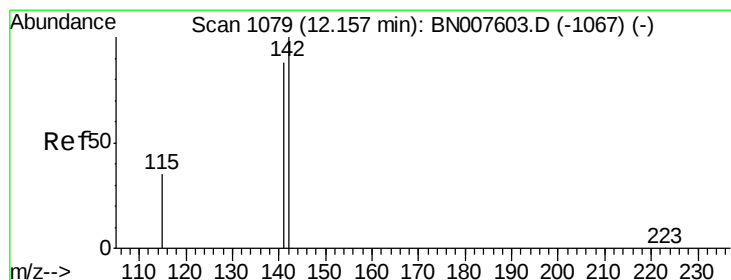
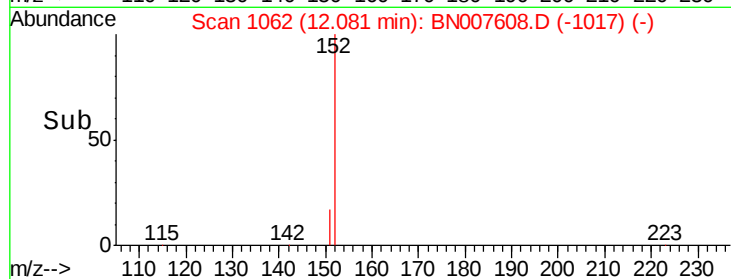
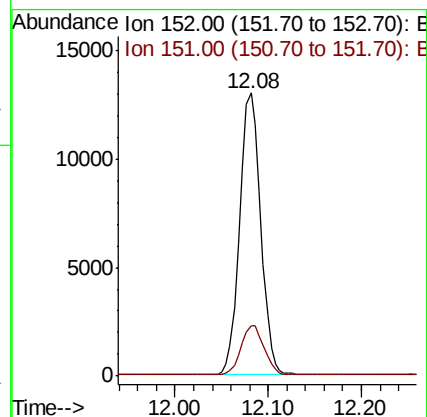
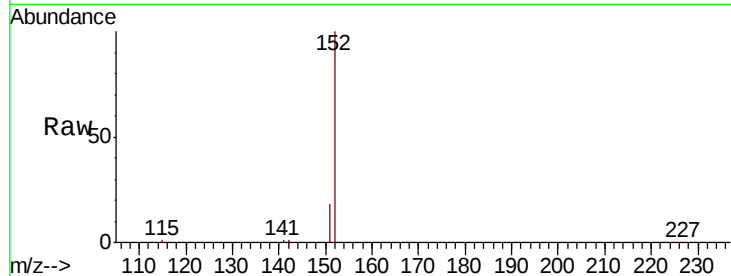




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.419 ng  
 RT: 12.08 min Scan# 1062  
 Delta R.T. -0.00 min  
 Lab File: BN007608.D  
 Acq: 12 Sep 2019 14:40

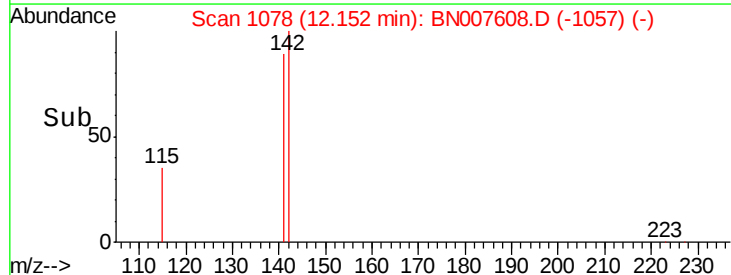
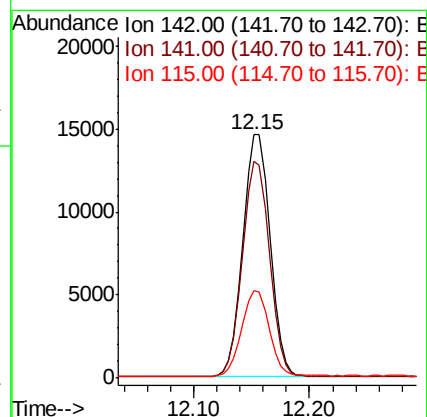
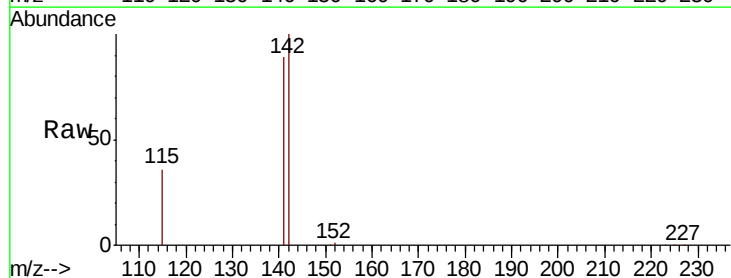
Instrument :  
 BNA\_N  
 ClientSampleId :  
 ICVBN091219

Tot Ion:152 Resp: 20351  
 Ion Ratio Lower Upper  
 152 100  
 151 19.2 15.3 22.9



#12  
 2-Methylnaphthalene  
 Concen: 0.422 ng  
 RT: 12.15 min Scan# 1078  
 Delta R.T. -0.00 min  
 Lab File: BN007608.D  
 Acq: 12 Sep 2019 14:40

Tgt Ion:142 Resp: 23323  
 Ion Ratio Lower Upper  
 142 100  
 141 89.2 70.5 105.7  
 115 36.0 28.4 42.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

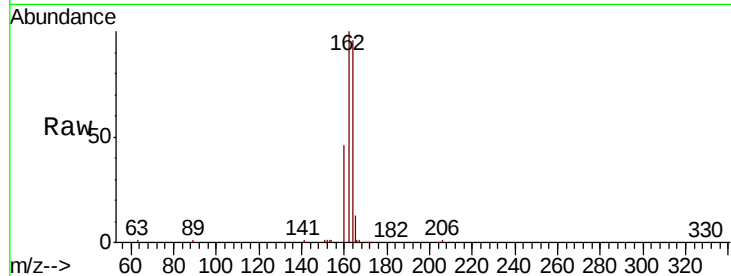
Tot Ion:164 Resp: 16138

Ion Ratio Lower Upper

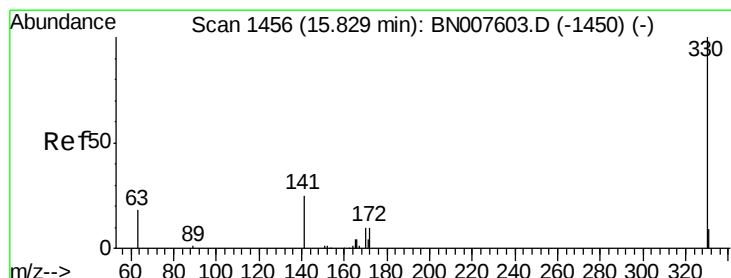
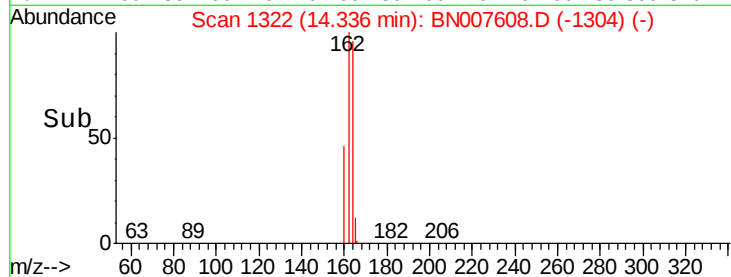
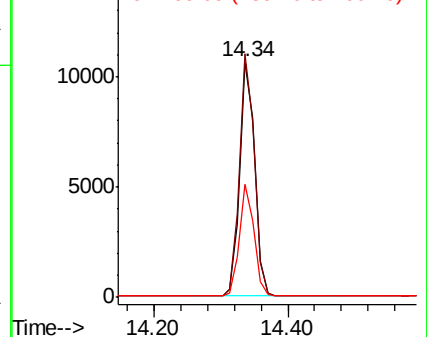
164 100

162 103.7 82.8 124.2

160 48.0 38.0 57.0



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: 0.325 ng

RT: 15.83 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

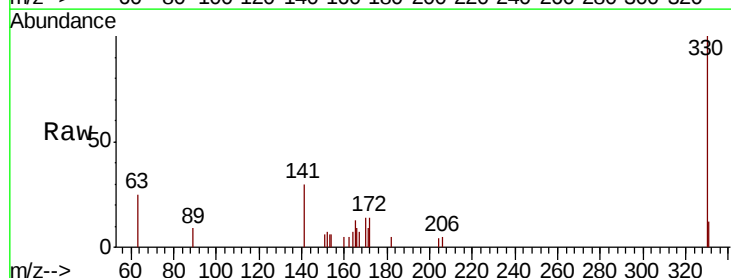
Tgt Ion:330 Resp: 1982

Ion Ratio Lower Upper

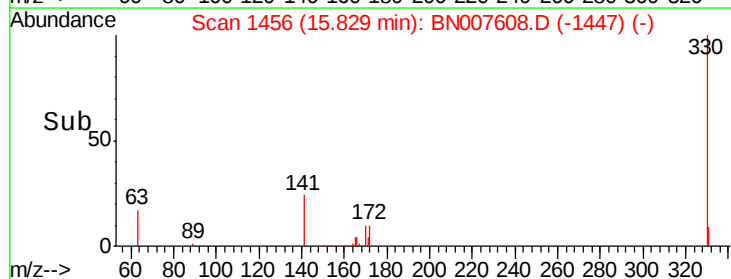
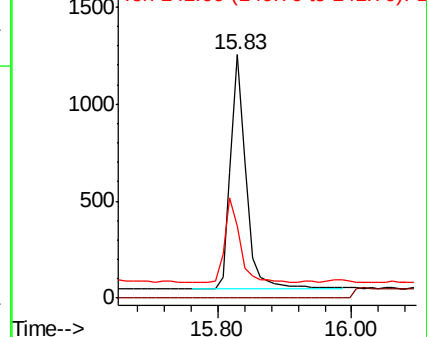
330 100

332 0.0 0.0 0.0

141 35.7 30.1 45.1



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

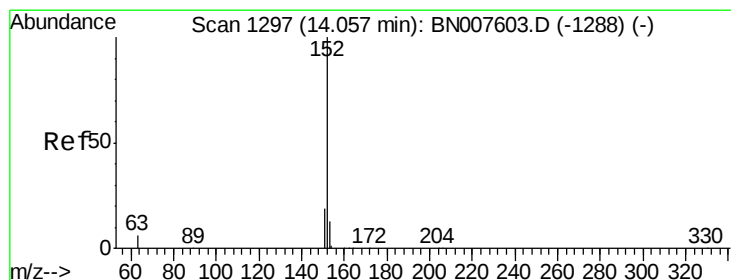
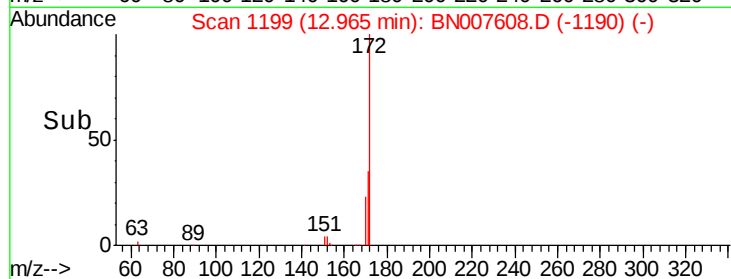
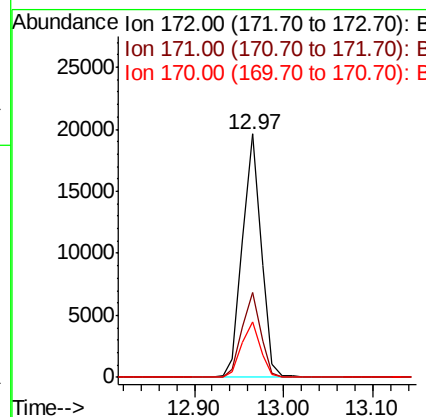
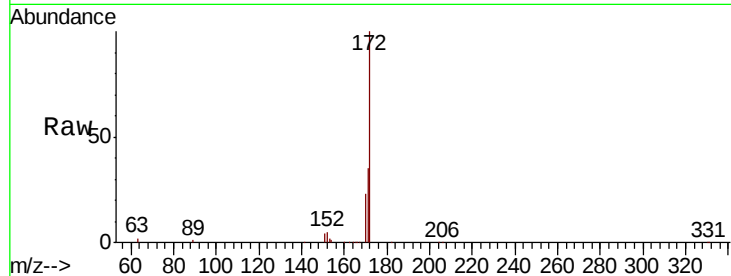




#15  
2-Fluorobiphenyl  
Concen: 0.402 ng  
RT: 12.97 min Scan# 1199  
Delta R.T. -0.00 min  
Lab File: BN007608.D  
Acq: 12 Sep 2019 14:40

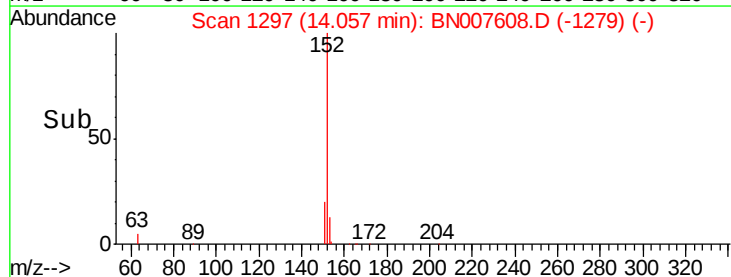
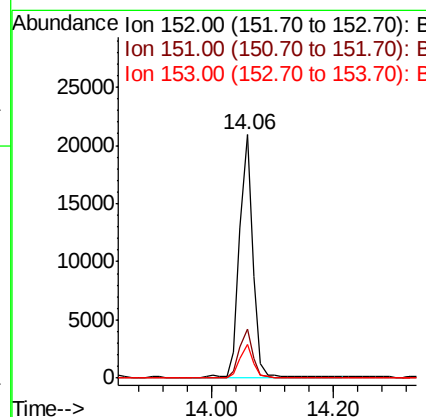
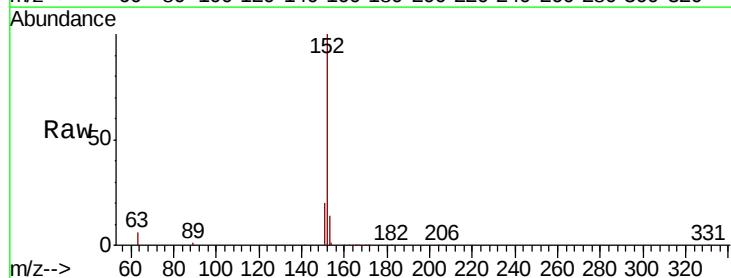
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091219

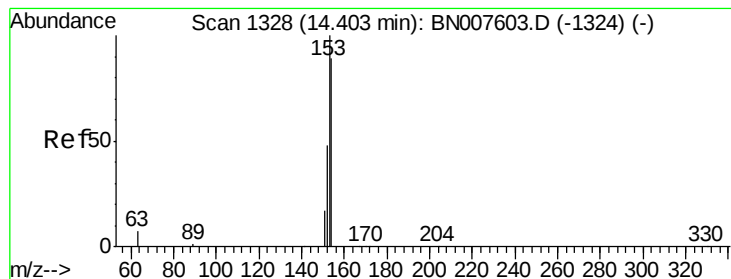
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.8  | 27.9  | 41.9  |
| 170     | 22.9  | 18.5  | 27.7  |



#16  
Acenaphthylene  
Concen: 0.377 ng  
RT: 14.06 min Scan# 1297  
Delta R.T. -0.00 min  
Lab File: BN007608.D  
Acq: 12 Sep 2019 14:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.6  | 15.7  | 23.5  |
| 153     | 13.3  | 10.4  | 15.6  |





#17

Acenaphthene

Concen: 0.395 ng

RT: 14.40 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

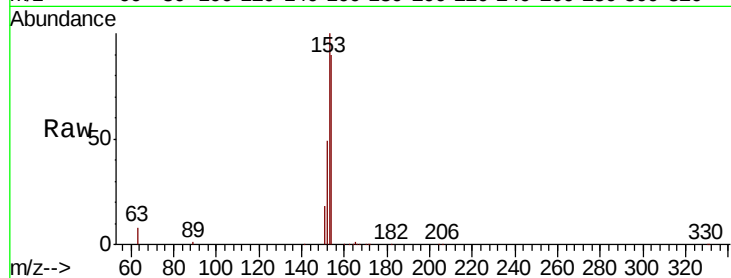
Tot Ion:154 Resp: 21637

Ion Ratio Lower Upper

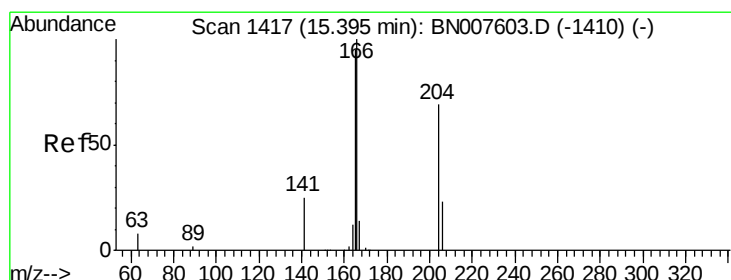
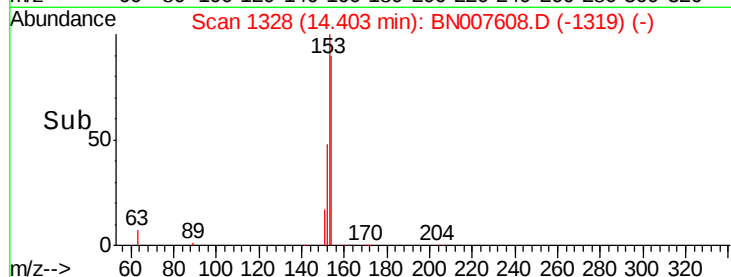
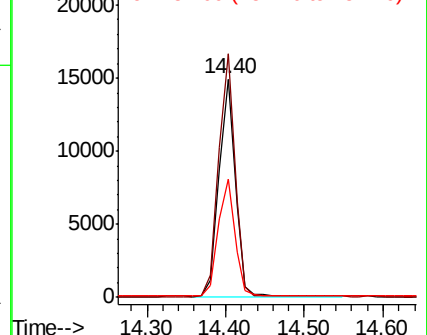
154 100

153 110.9 89.8 134.8

152 54.9 43.8 65.8



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: 0.391 ng

RT: 15.39 min Scan# 1417

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

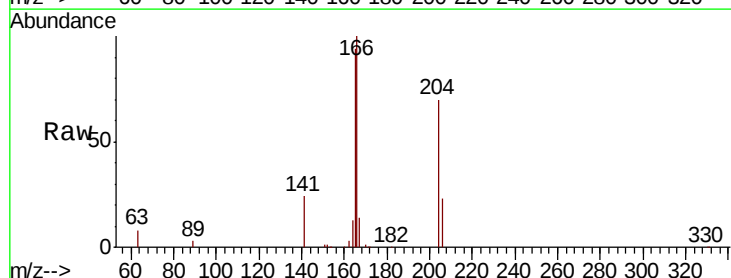
Tgt Ion:166 Resp: 27017

Ion Ratio Lower Upper

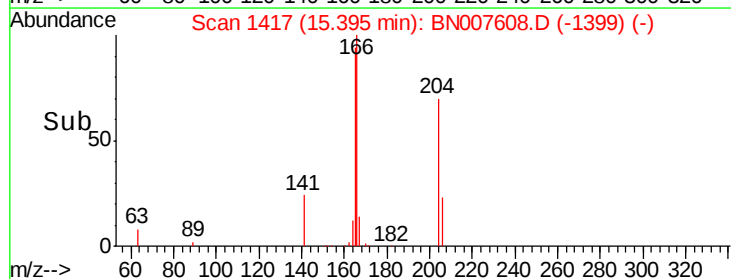
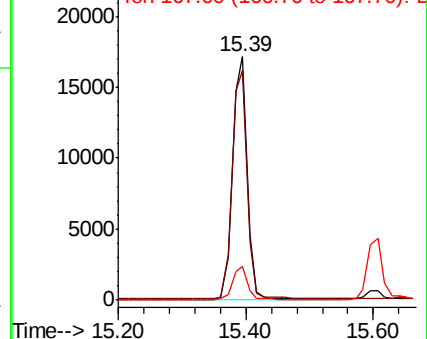
166 100

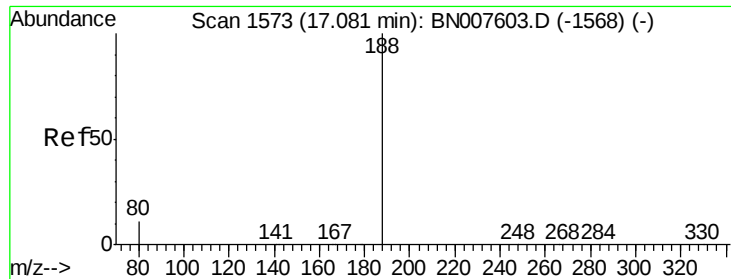
165 96.8 77.8 116.6

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: 17.08 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

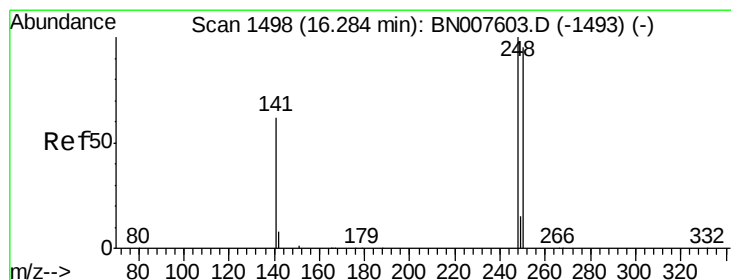
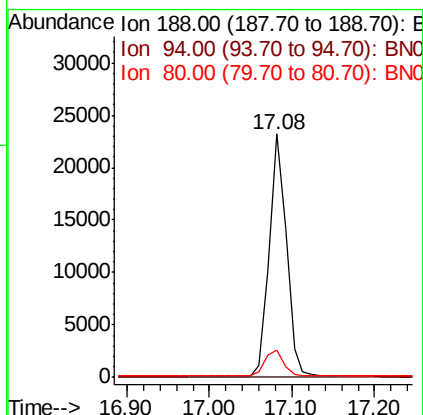
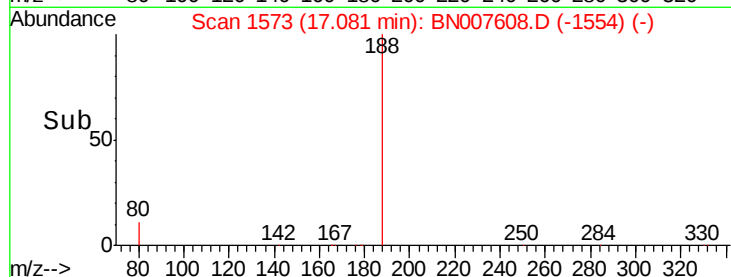
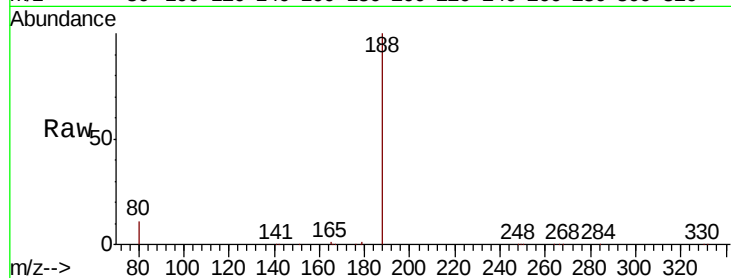
Tot Ion:188 Resp: 33346

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.1 8.8 13.2



#20

4-Bromophenyl-phenylether

Concen: 0.422 ng

RT: 16.28 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

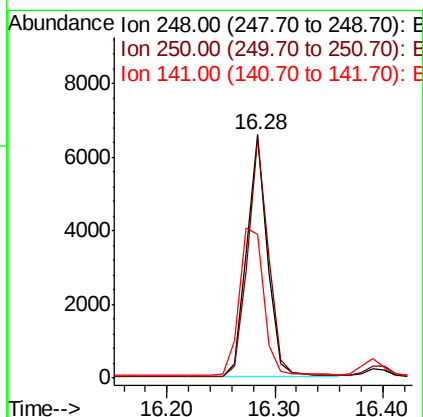
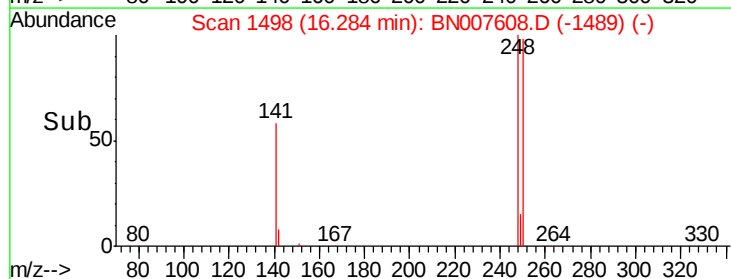
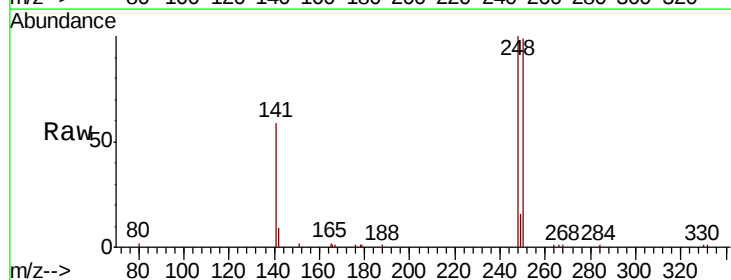
Tgt Ion:248 Resp: 8706

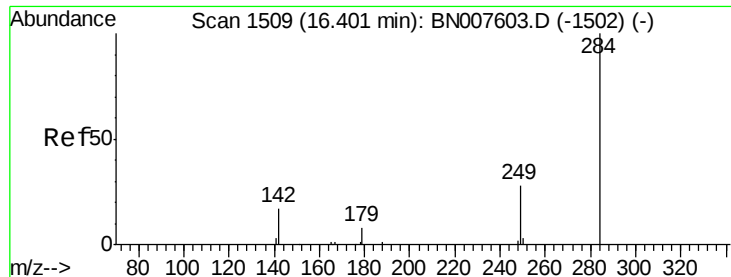
Ion Ratio Lower Upper

248 100

250 98.6 76.3 114.5

141 59.1 49.7 74.5





#21

Hexachlorobenzene

Concen: 0.434 ng

RT: 16.40 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

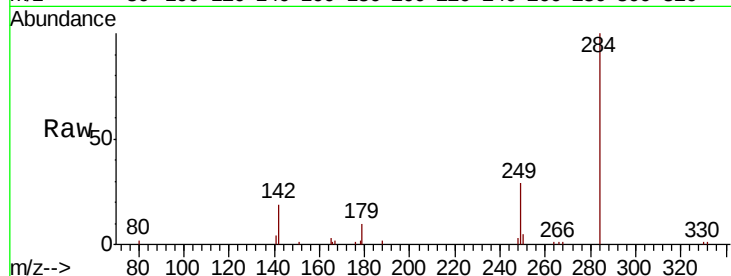
Tot Ion:284 Resp: 9569

Ion Ratio Lower Upper

284 100

142 35.0 27.8 41.6

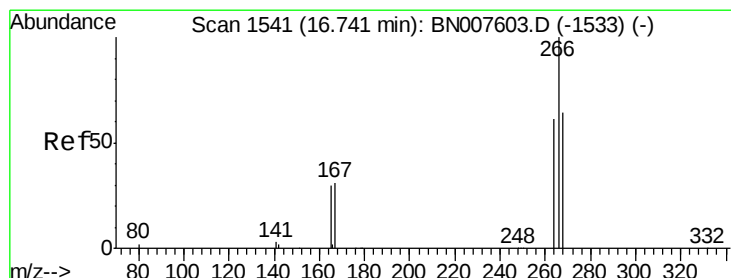
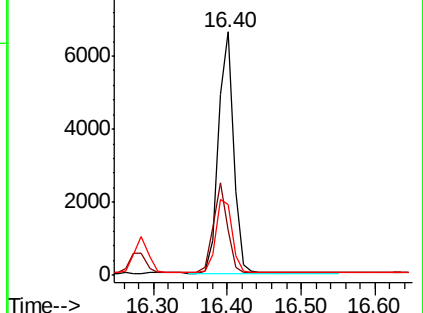
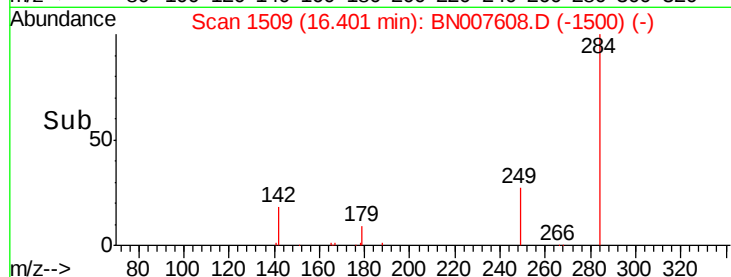
249 32.8 25.5 38.3



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: 0.338 ng

RT: 16.74 min Scan# 1541

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

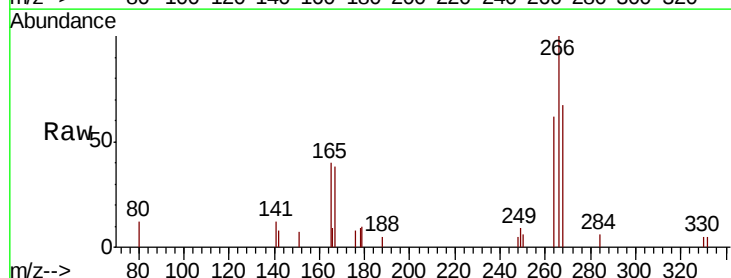
Tgt Ion:266 Resp: 1936

Ion Ratio Lower Upper

266 100

264 62.3 49.4 74.0

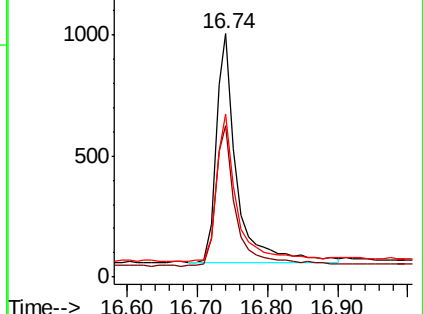
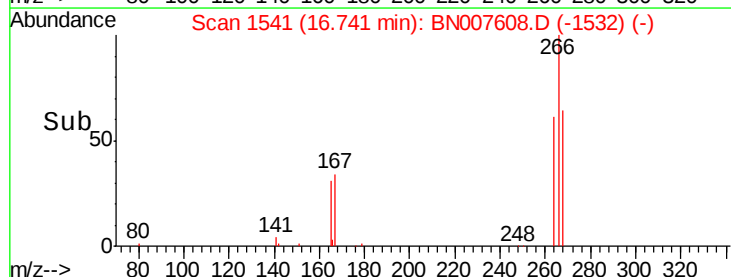
268 66.7 53.0 79.6

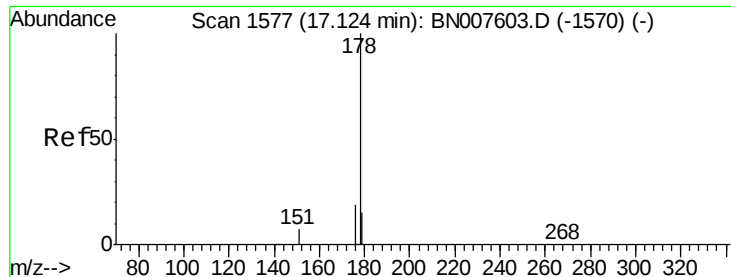


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.427 ng

RT: 17.12 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

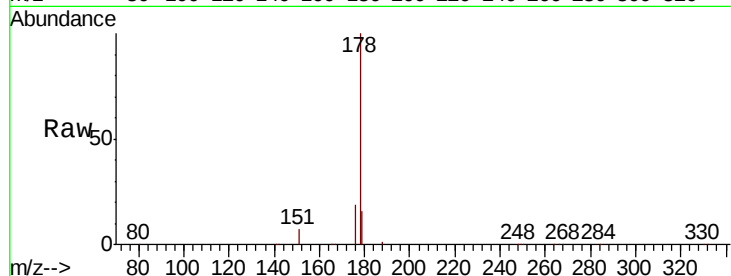
Tot Ion:178 Resp: 44945

Ion Ratio Lower Upper

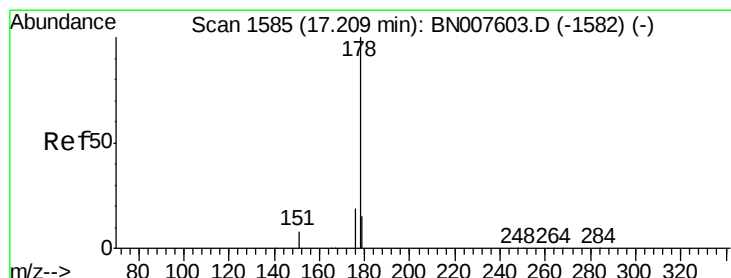
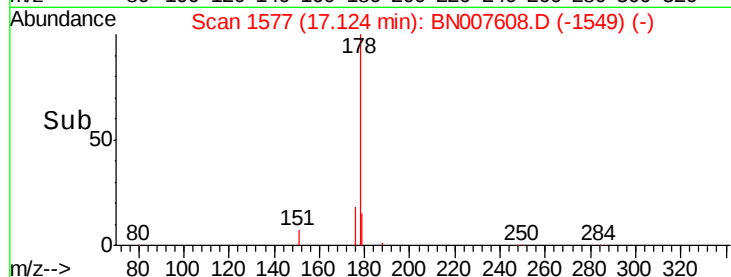
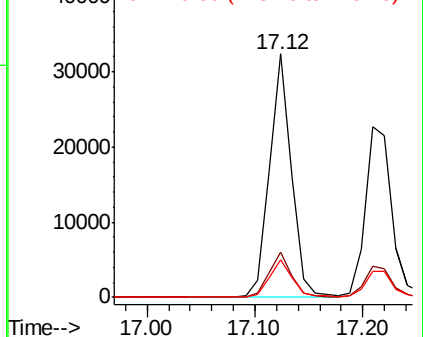
178 100

176 18.5 15.0 22.6

179 15.4 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: 0.412 ng

RT: 17.21 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

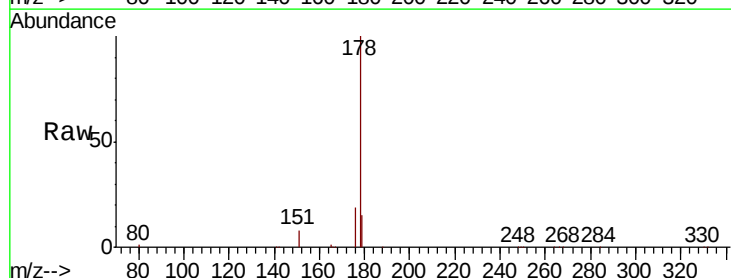
Tgt Ion:178 Resp: 38375

Ion Ratio Lower Upper

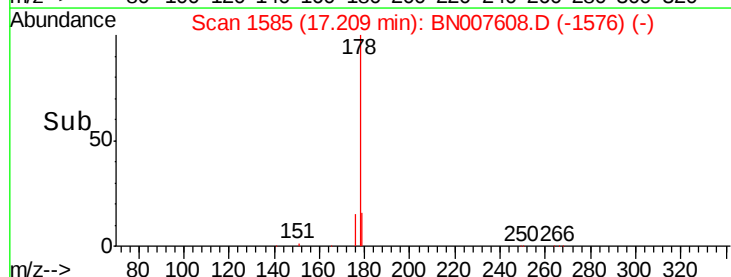
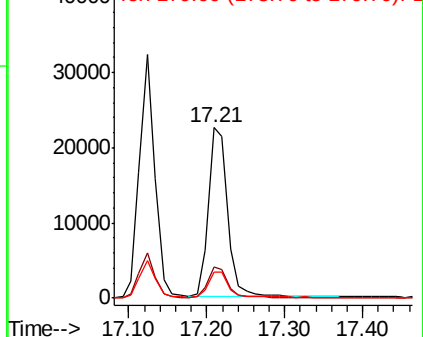
178 100

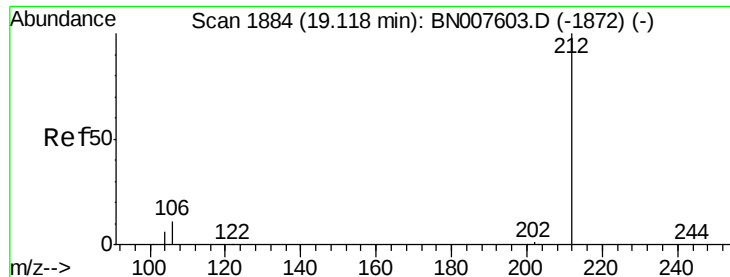
176 17.9 14.5 21.7

179 15.1 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





#25

Fluoranthene-d10

Concen: 0.419 ng

RT: 19.12 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

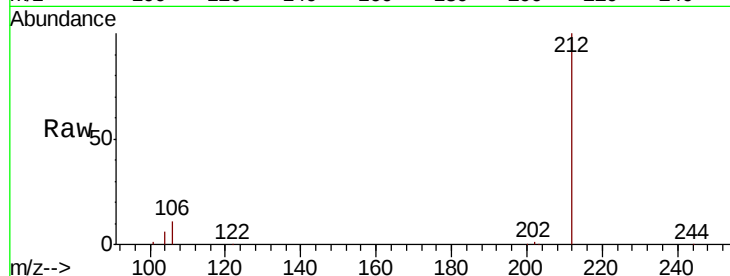
Tot Ion:212 Resp: 44082

Ion Ratio Lower Upper

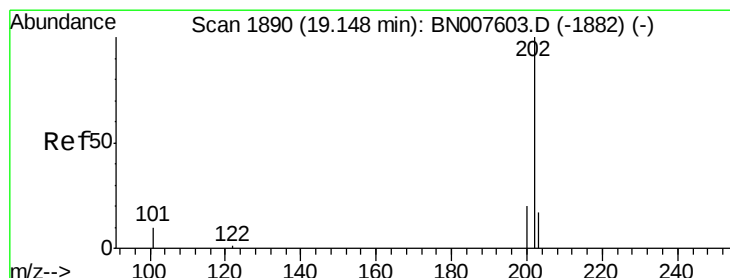
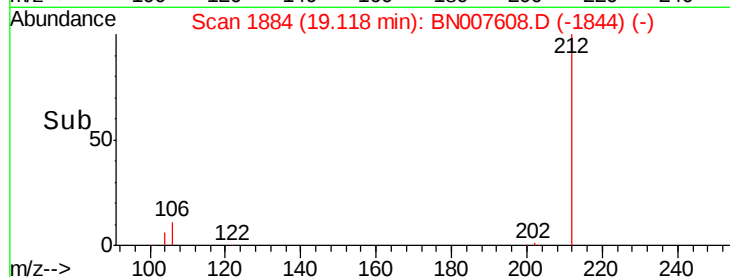
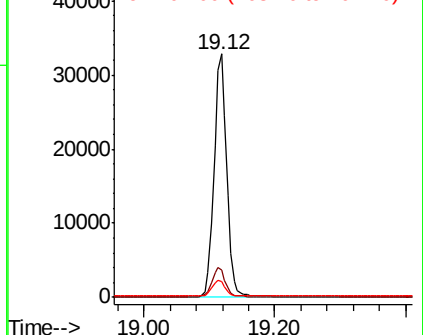
212 100

106 12.1 9.6 14.4

104 6.8 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: 0.419 ng

RT: 19.15 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

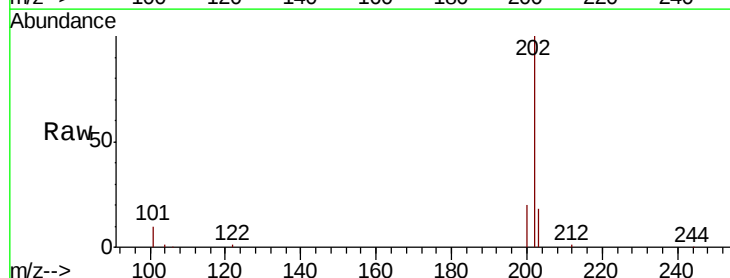
Tgt Ion:202 Resp: 51543

Ion Ratio Lower Upper

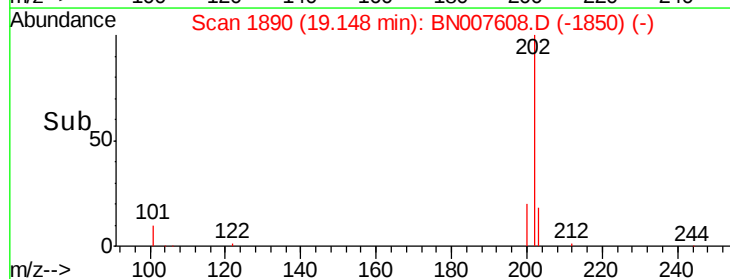
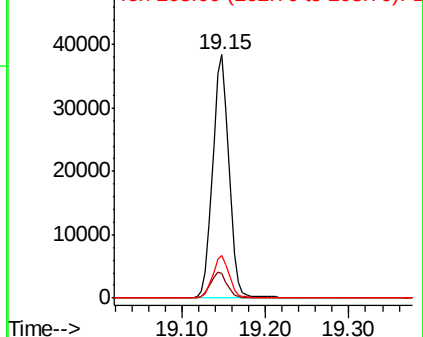
202 100

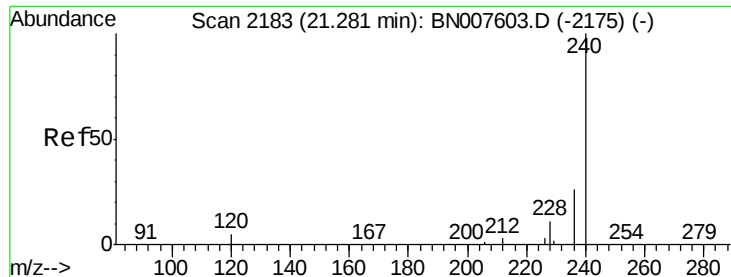
101 10.9 8.6 13.0

203 17.3 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

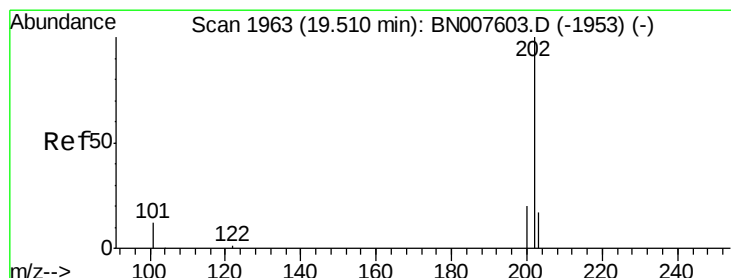
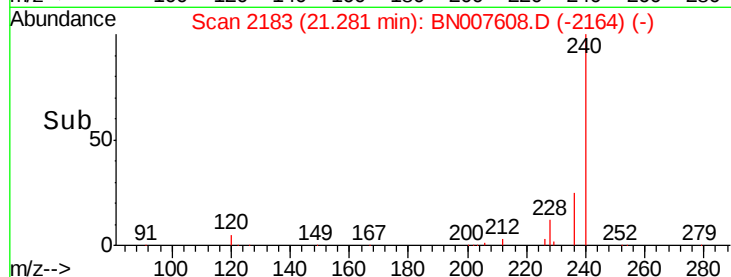
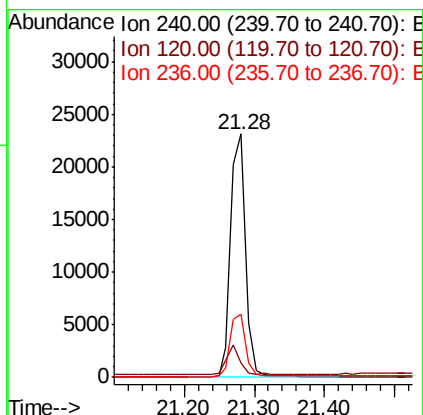
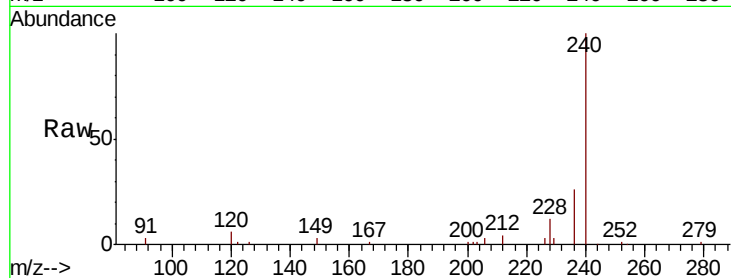




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.28 min Scan# 2183  
Delta R.T. -0.00 min  
Lab File: BN007608.D  
Acq: 12 Sep 2019 14:40

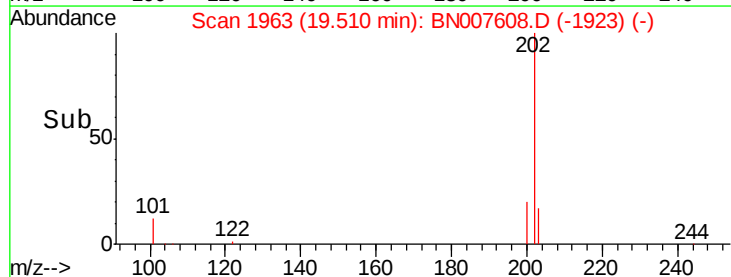
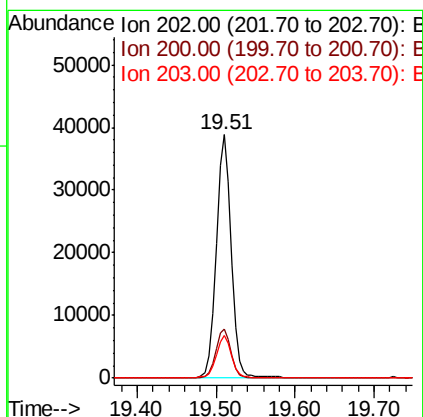
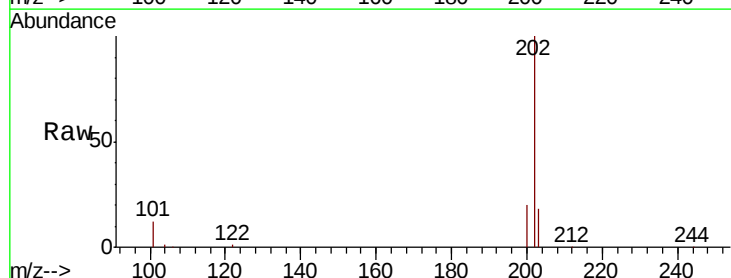
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091219

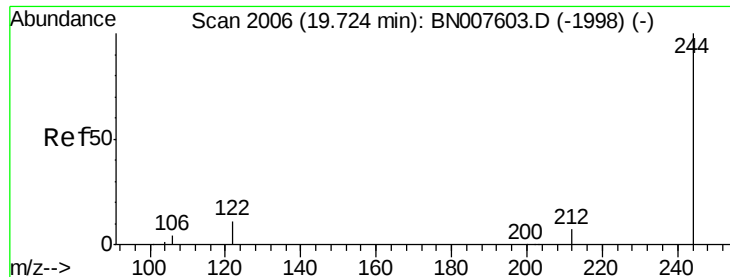
Tot Ion:240 Resp: 33463  
Ion Ratio Lower Upper  
240 100  
120 5.8 4.3 6.5  
236 25.7 20.8 31.2



#28  
Pyrene  
Concen: 0.422 ng  
RT: 19.51 min Scan# 1963  
Delta R.T. -0.00 min  
Lab File: BN007608.D  
Acq: 12 Sep 2019 14:40

Tgt Ion:202 Resp: 51321  
Ion Ratio Lower Upper  
202 100  
200 20.4 16.4 24.6  
203 17.5 14.0 21.0





#29

Terphenyl-d14

Concen: 0.421 ng

RT: 19.72 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

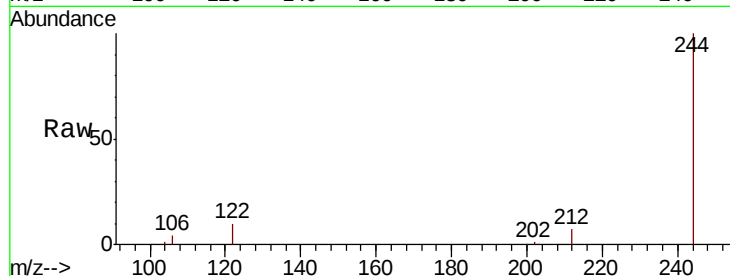
Tot Ion:244 Resp: 37175

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 10.4 8.6 12.8

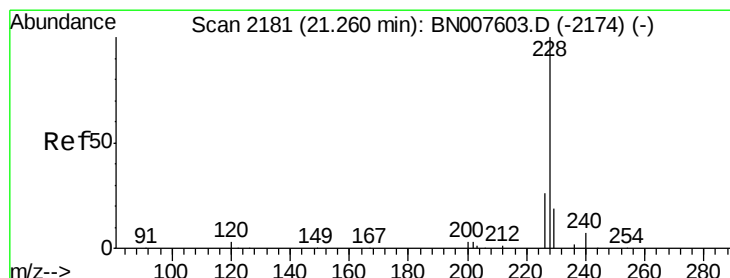
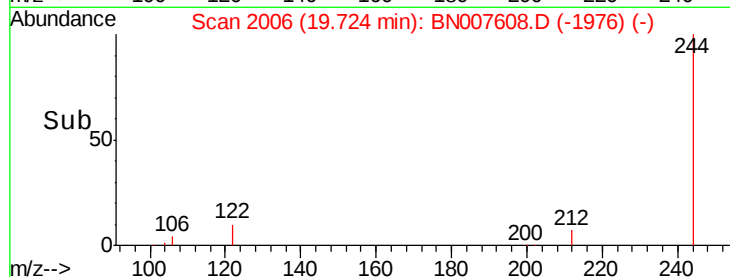
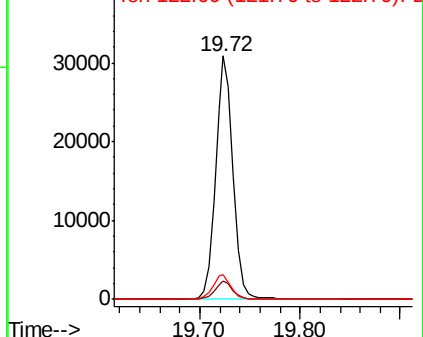


Abundance

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: 0.400 ng

RT: 21.26 min Scan# 2181

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

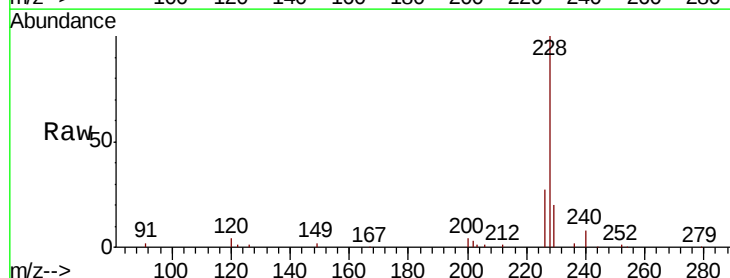
Tgt Ion:228 Resp: 47520

Ion Ratio Lower Upper

228 100

226 26.8 21.2 31.8

229 19.6 15.5 23.3

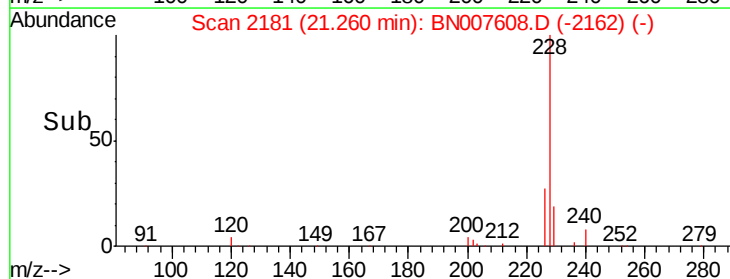
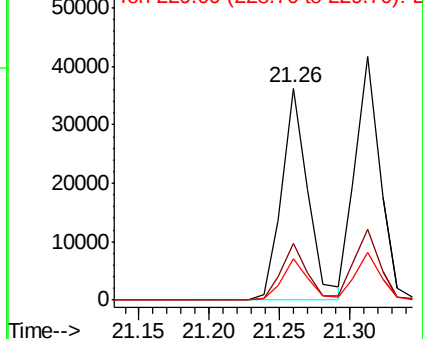


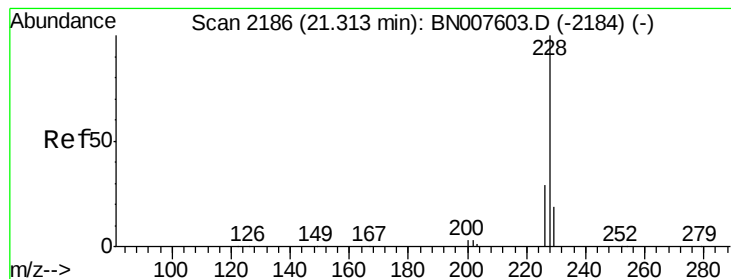
Abundance

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: 0.418 ng

RT: 21.31 min Scan# 2186

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

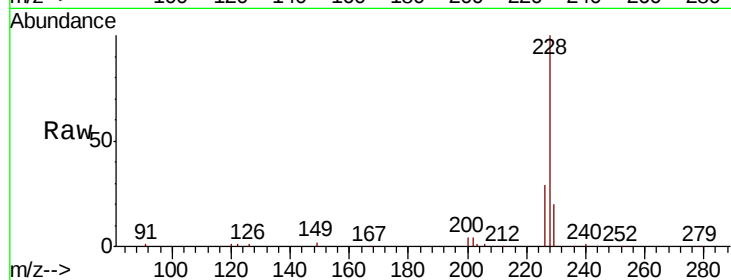
BNA\_N

ClientSampleId :

ICVBN091219

Tot Ion:228 Resp: 51615

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.3  | 23.4  | 35.2  |
| 229 | 19.5  | 15.5  | 23.3  |

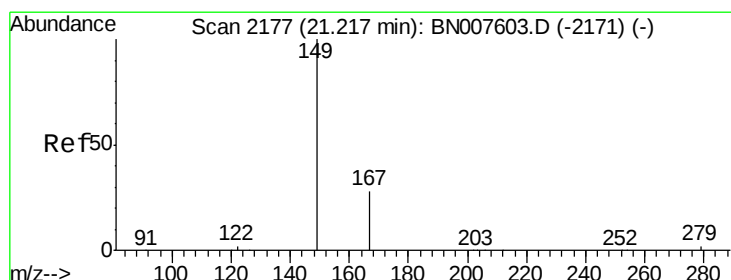
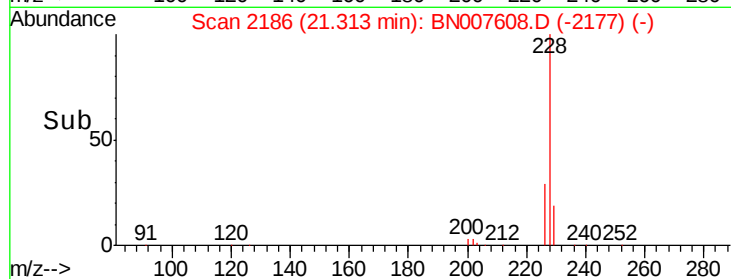
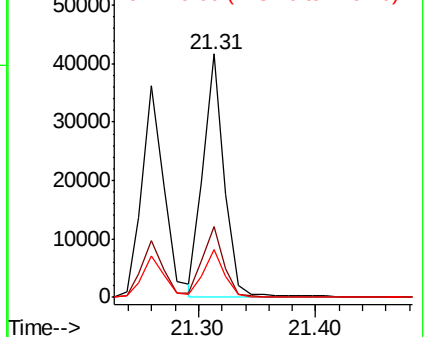


Abundance

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: 0.343 ng

RT: 21.22 min Scan# 2177

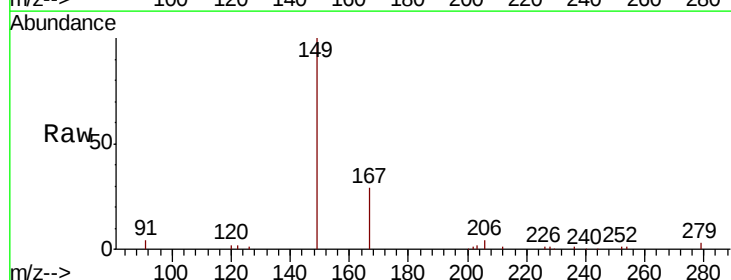
Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Tgt Ion:149 Resp: 13793

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.3  | 22.6  | 34.0  |
| 279 | 5.0   | 3.8   | 5.6   |

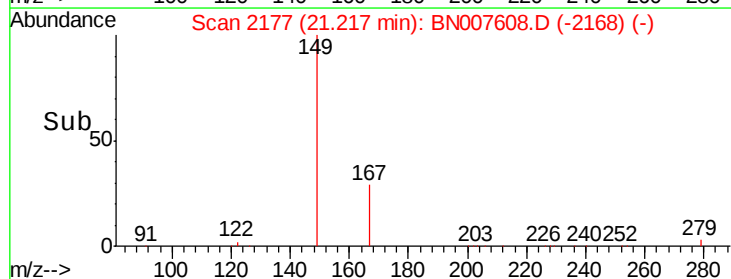
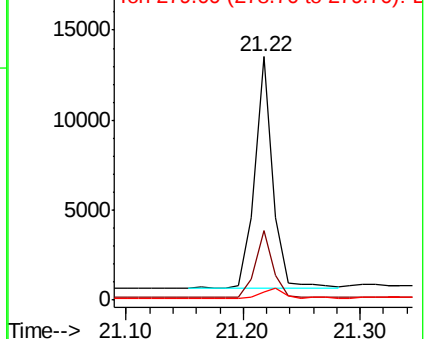


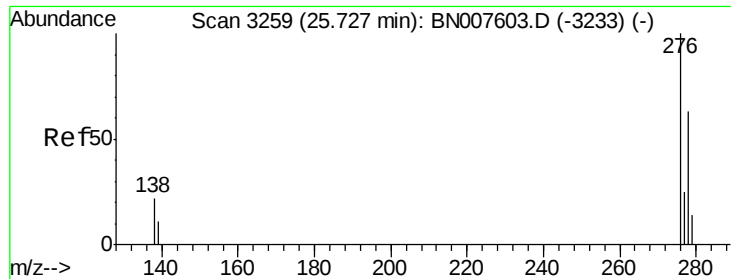
Abundance

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: 0.418 ng

RT: 25.72 min Scan# 3258

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

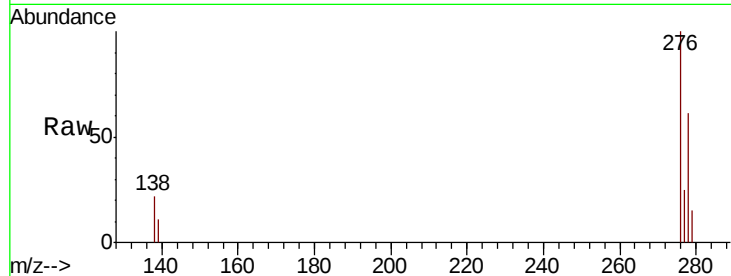
Tot Ion:276 Resp: 55140

Ion Ratio Lower Upper

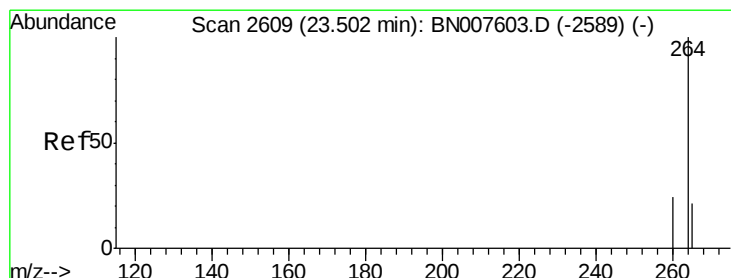
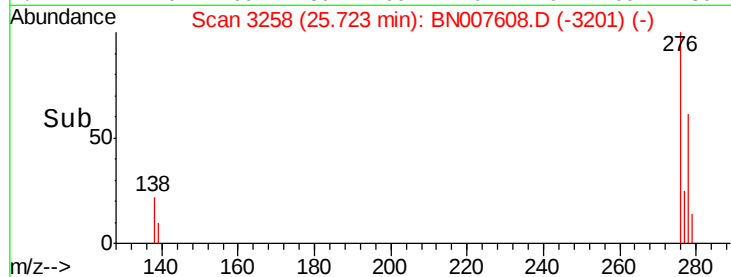
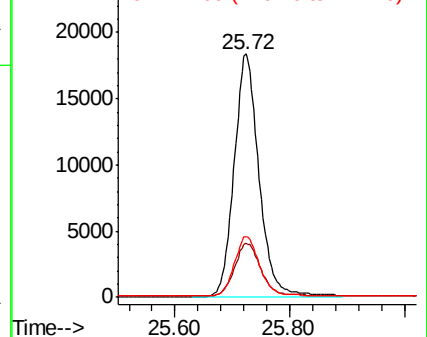
276 100

138 23.0 18.2 27.4

277 25.2 20.1 30.1



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: 23.50 min Scan# 2608

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

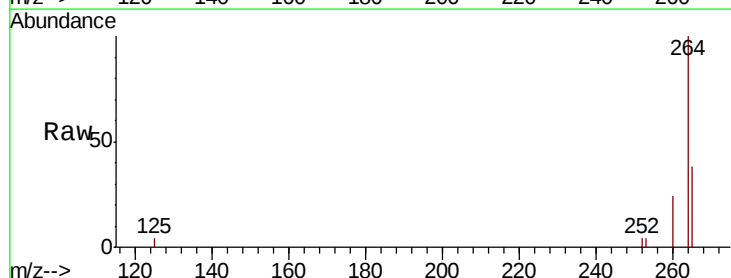
Tgt Ion:264 Resp: 33251

Ion Ratio Lower Upper

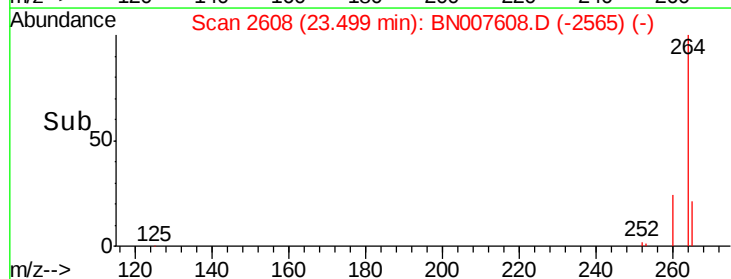
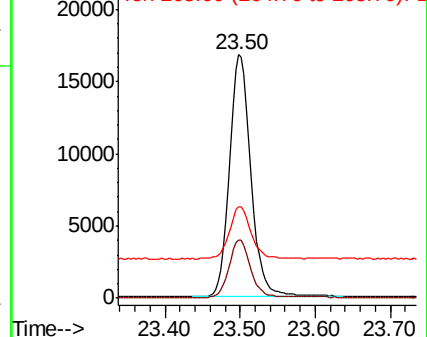
264 100

260 23.9 19.1 28.7

265 37.5 24.6 37.0#



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: 0.400 ng

RT: 22.84 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

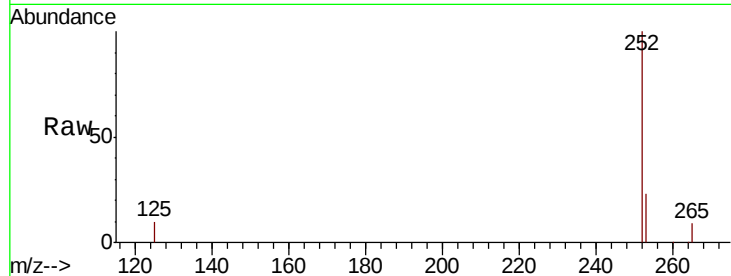
Tot Ion:252 Resp: 48269

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 10.4 8.0 12.0

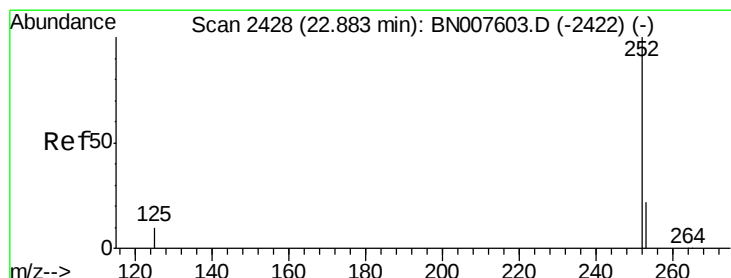
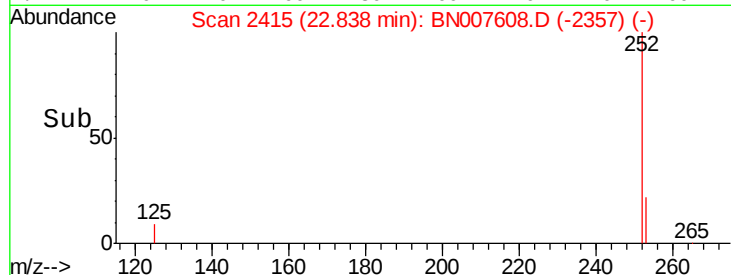
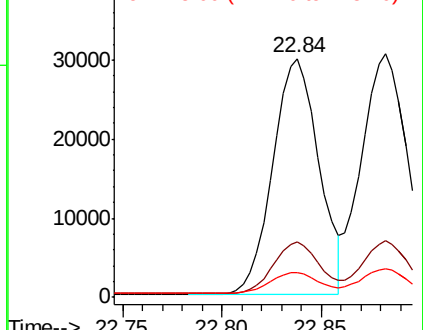


Abundance

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



#36

Benzo(k)fluoranthene

Concen: 0.410 ng

RT: 22.88 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

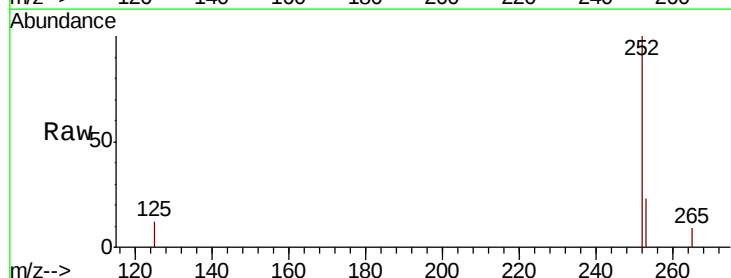
Tgt Ion:252 Resp: 50671

Ion Ratio Lower Upper

252 100

253 23.2 18.3 27.5

125 11.9 8.9 13.3

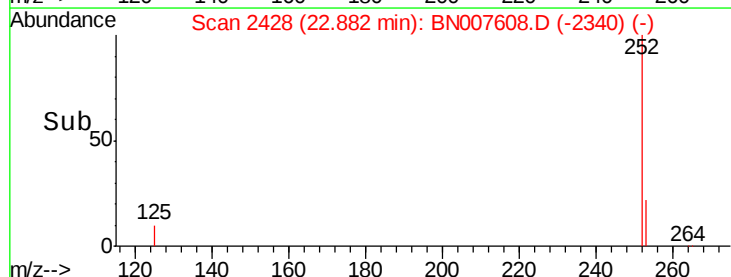
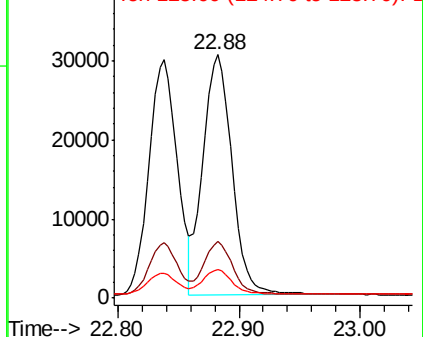


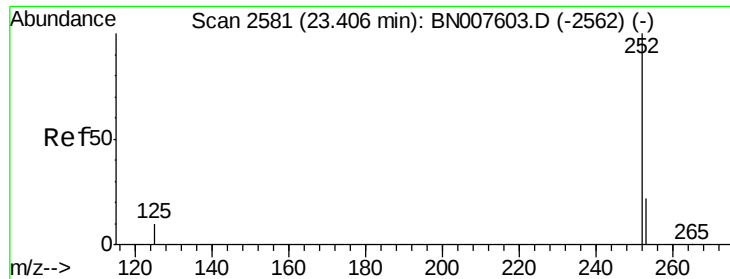
Abundance

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





#37

Benzo(a)pyrene

Concen: 0.393 ng

RT: 23.40 min Scan# 2580

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

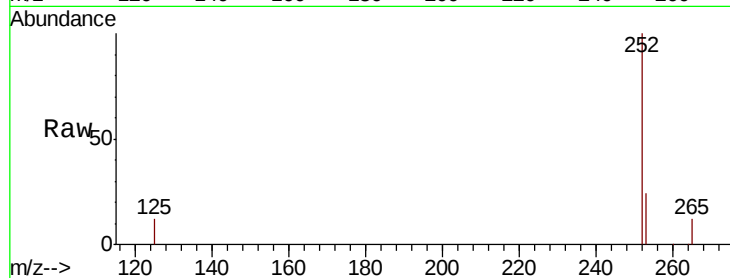
Tot Ion:252 Resp: 42094

Ion Ratio Lower Upper

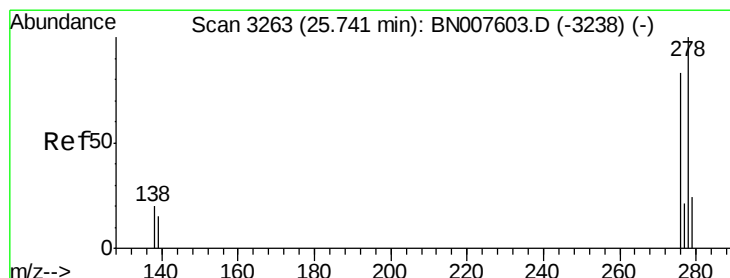
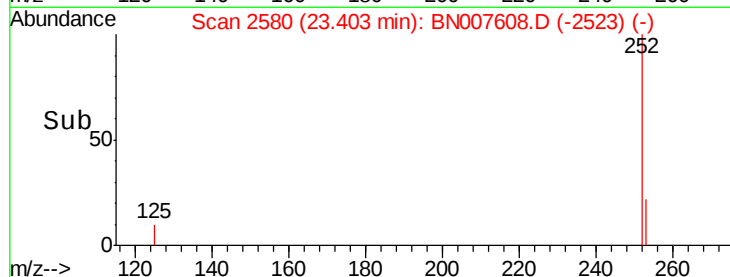
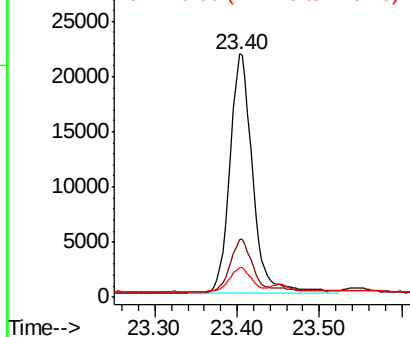
252 100

253 23.6 18.3 27.5

125 12.2 8.9 13.3



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



#38

Dibenzo(a,h)anthracene

Concen: 0.409 ng

RT: 25.74 min Scan# 3263

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

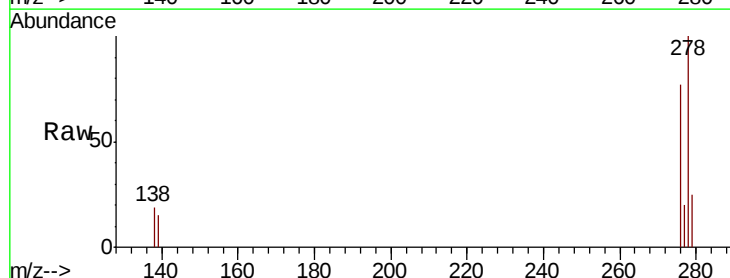
Tgt Ion:278 Resp: 45889

Ion Ratio Lower Upper

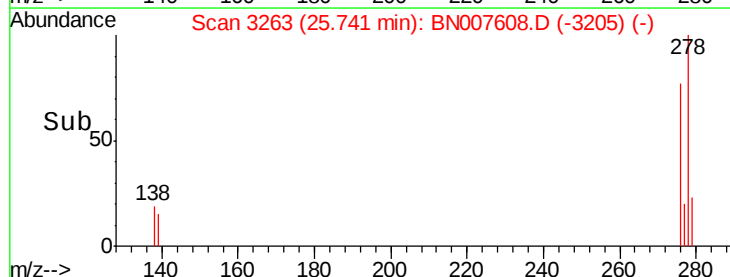
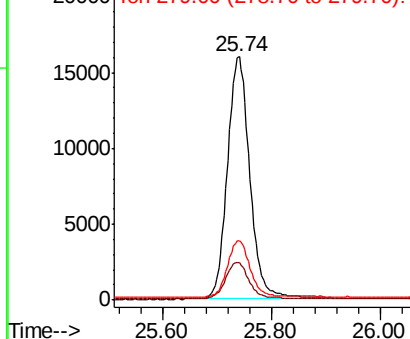
278 100

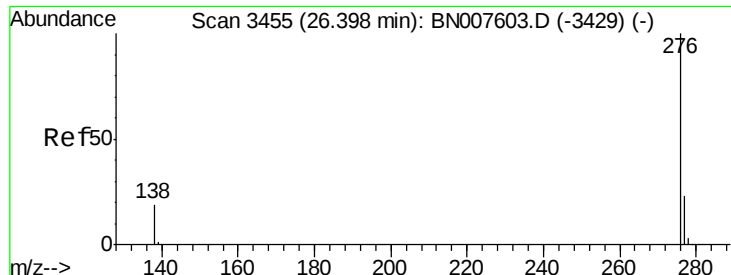
139 15.3 12.6 18.8

279 24.6 19.6 29.4



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: 0.405 ng

RT: 26.39 min Scan# 3454

Delta R.T. -0.00 min

Lab File: BN007608.D

Acq: 12 Sep 2019 14:40

Instrument :

BNA\_N

ClientSampleId :

ICVBN091219

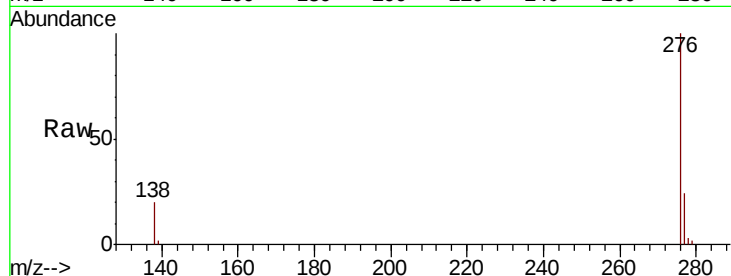
Tot Ion: 276 Resp: 44951

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 20.4 15.8 23.6



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

