

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\  
 Data File : BN007293.D  
 Acq On : 21 Aug 2019 15:09  
 Operator : HP/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Aug 21 15:40:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 20 18:52:43 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 6314     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.16 | 136  | 24177    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.06 | 164  | 13676    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.80 | 188  | 31130    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.04 | 240  | 31488    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.14 | 264  | 36078    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.04  | 112  | 7641     | 0.40 | ng    | 0.00     |
| 5) Phenol-d6                | 6.59  | 99   | 9523     | 0.43 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.54  | 82   | 7500     | 0.40 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.77 | 152  | 16950    | 0.41 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.55 | 330  | 2962     | 0.39 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.66 | 172  | 23891    | 0.41 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.85 | 212  | 41004    | 0.42 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.48 | 244  | 33045    | 0.42 | ng    | 0.00     |

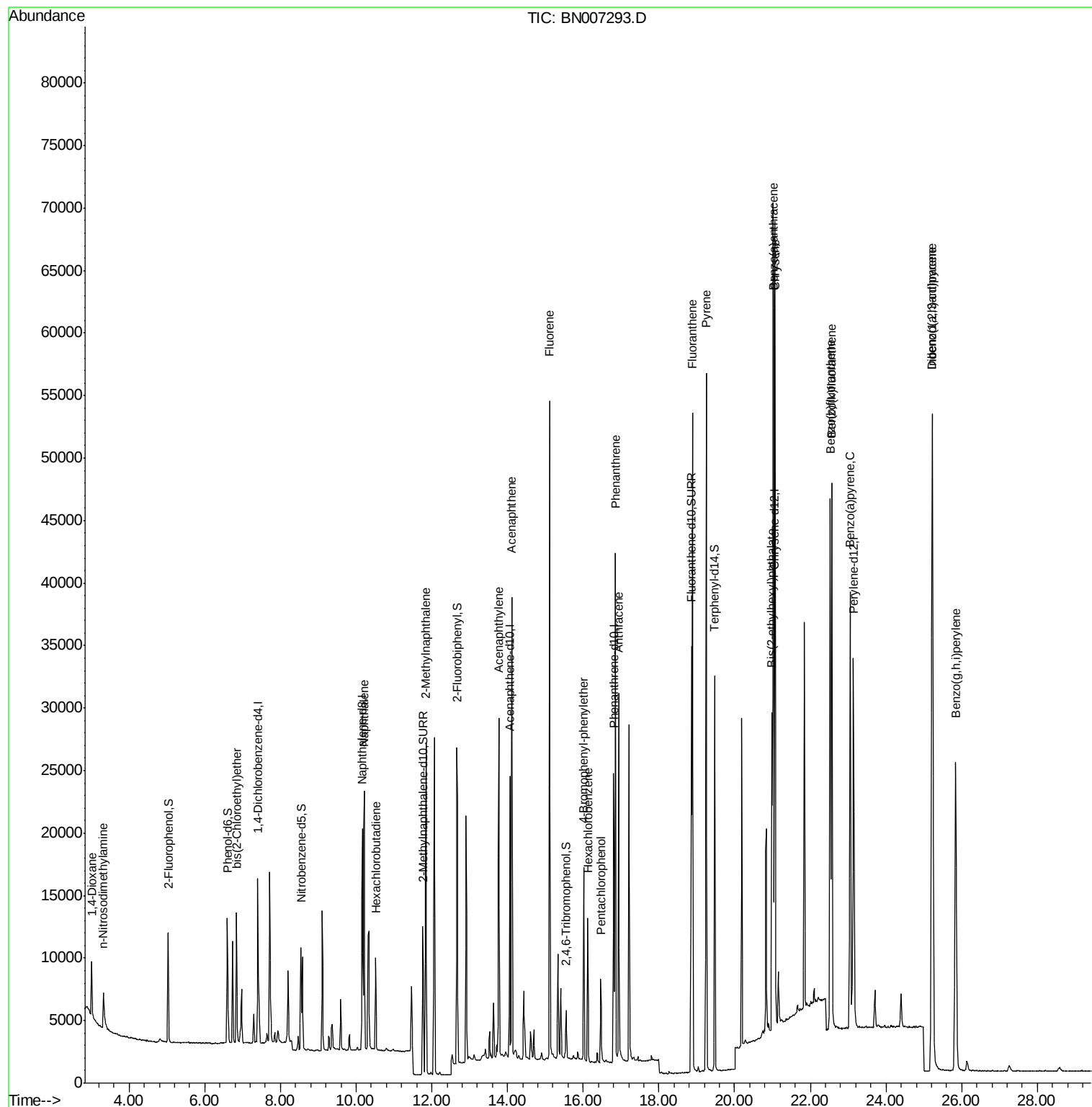
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.01  | 88   | 3539     | 0.395 | ng    | 97     |
| 3) n-Nitrosodimethylamine      | 3.32  | 42   | 2565     | 0.427 | ng    | # 98   |
| 6) bis(2-Chloroethyl)ether     | 6.84  | 93   | 7712     | 0.414 | ng    | 98     |
| 9) Naphthalene                 | 10.21 | 128  | 28090    | 0.410 | ng    | 100    |
| 10) Hexachlorobutadiene        | 10.52 | 225  | 6089     | 0.403 | ng    | # 99   |
| 12) 2-Methylnaphthalene        | 11.84 | 142  | 19579    | 0.413 | ng    | 99     |
| 16) Acenaphthylene             | 13.77 | 152  | 29744    | 0.410 | ng    | 99     |
| 17) Acenaphthene               | 14.11 | 154  | 18758    | 0.406 | ng    | 99     |
| 18) Fluorene                   | 15.12 | 166  | 24600    | 0.407 | ng    | 98     |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248  | 7500     | 0.421 | ng    | # 83   |
| 21) Hexachlorobenzene          | 16.12 | 284  | 8662     | 0.420 | ng    | 100    |
| 22) Pentachlorophenol          | 16.46 | 266  | 3495     | 0.422 | ng    | 97     |
| 23) Phenanthrene               | 16.85 | 178  | 40408    | 0.414 | ng    | 100    |
| 24) Anthracene                 | 16.94 | 178  | 36255    | 0.413 | ng    | 99     |
| 26) Fluoranthene               | 18.88 | 202  | 49117    | 0.416 | ng    | 100    |
| 28) Pyrene                     | 19.25 | 202  | 50750    | 0.431 | ng    | 100    |
| 30) Benzo(a)anthracene         | 21.02 | 228  | 50887    | 0.435 | ng    | 97     |
| 31) Chrysene                   | 21.07 | 228  | 49853    | 0.417 | ng    | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 20.98 | 149  | 23007    | 0.492 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.22 | 276  | 63038    | 0.438 | ng    | 99     |
| 35) Benzo(b)fluoranthene       | 22.52 | 252  | 51502    | 0.383 | ng    | 100    |
| 36) Benzo(k)fluoranthene       | 22.56 | 252  | 52927    | 0.402 | ng    | 98     |
| 37) Benzo(a)pyrene             | 23.05 | 252  | 48770    | 0.402 | ng    | 100    |
| 38) Dibenzo(a,h)anthracene     | 25.23 | 278  | 50796    | 0.399 | ng    | 99     |
| 39) Benzo(g,h,i)perylene       | 25.84 | 276  | 50096    | 0.389 | ng    | 99     |

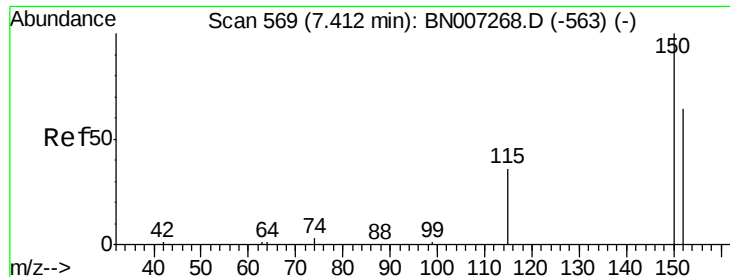
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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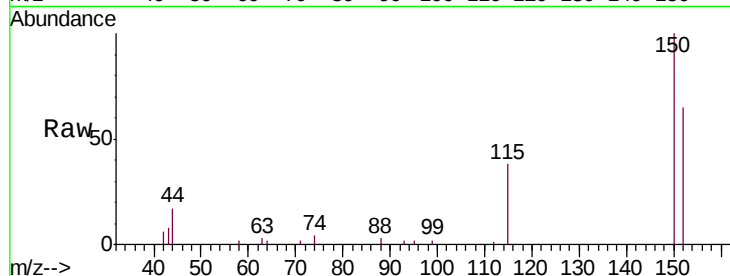


#1

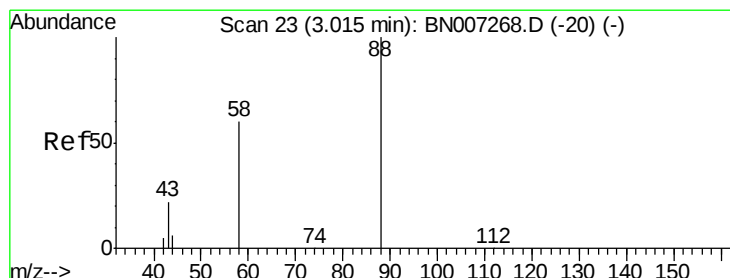
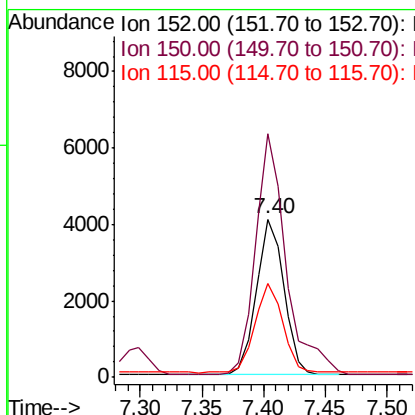
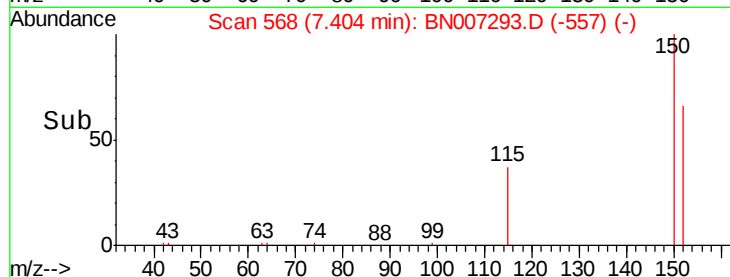
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.40 min Scan# 568  
Delta R.T. -0.01 min  
Lab File: BN007293.D  
Acq: 21 Aug 2019 15:09

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 6314  
Ion Ratio Lower Upper  
152 100  
150 153.9 123.8 185.8  
115 59.0 47.3 70.9



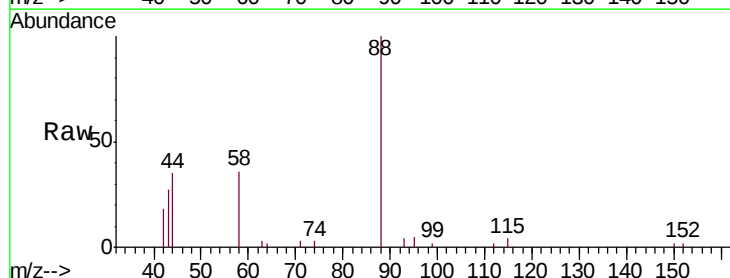
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



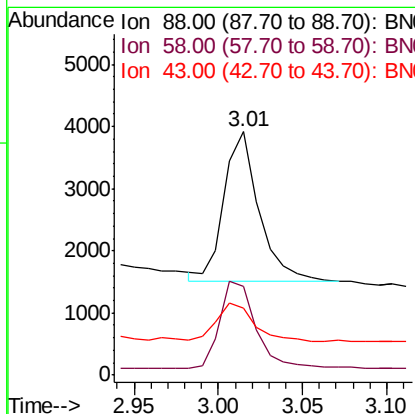
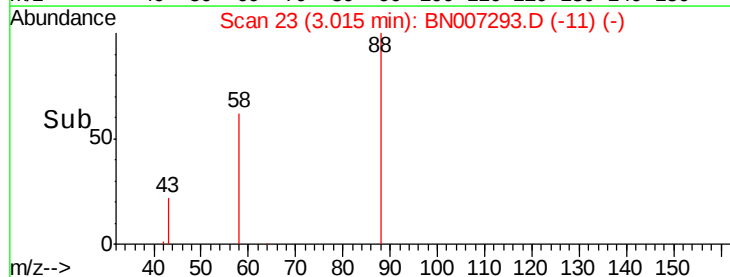
#2

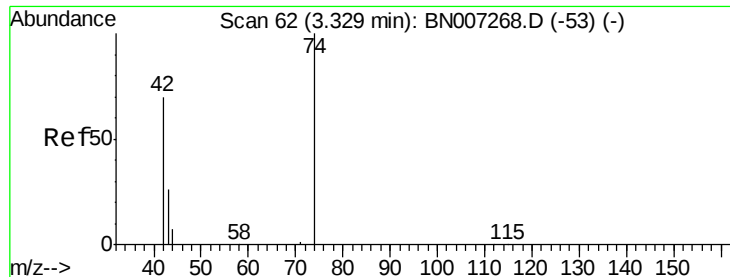
1,4-Dioxane  
Concen: 0.395 ng  
RT: 3.01 min Scan# 23  
Delta R.T. -0.00 min  
Lab File: BN007293.D  
Acq: 21 Aug 2019 15:09

Tgt Ion: 88 Resp: 3539  
Ion Ratio Lower Upper  
88 100  
58 59.3 45.5 68.3  
43 26.7 20.4 30.6



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



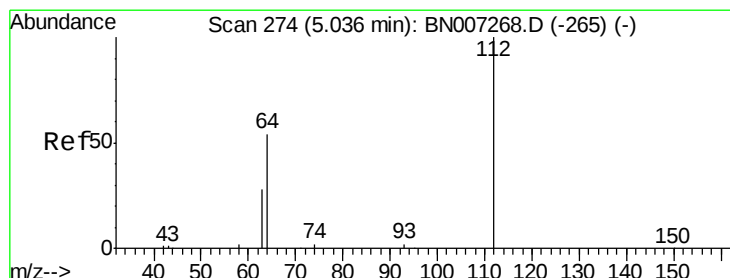
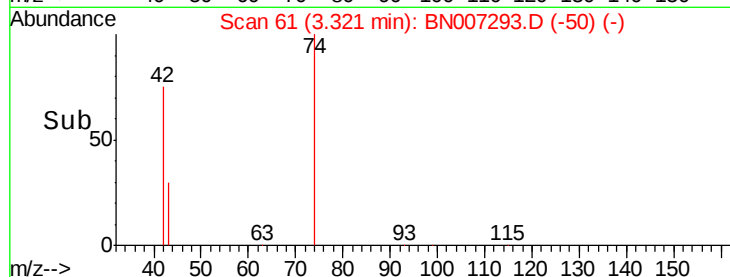
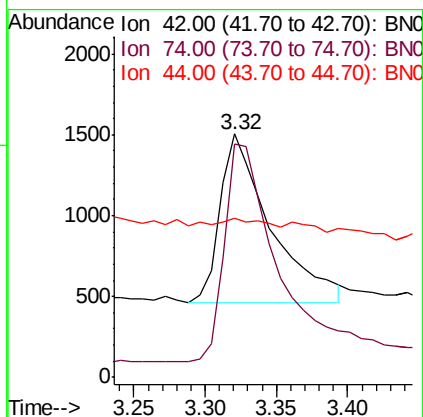
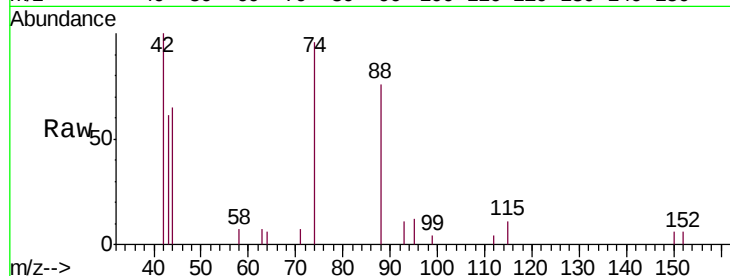


#3

n-Nitrosodimethylamine  
 Concen: 0.427 ng  
 RT: 3.32 min Scan# 61  
 Delta R.T. -0.01 min  
 Lab File: BN007293.D  
 Acq: 21 Aug 2019 15:09

Instrument :  
 BNA\_N  
 ClientSampleId :

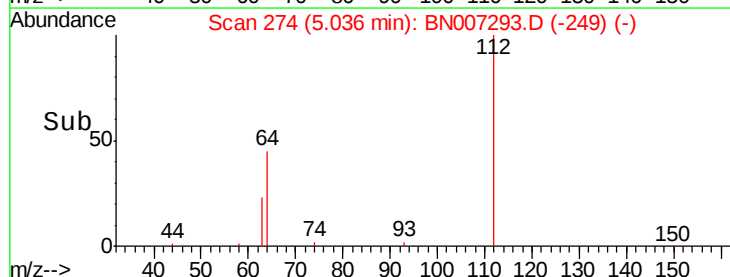
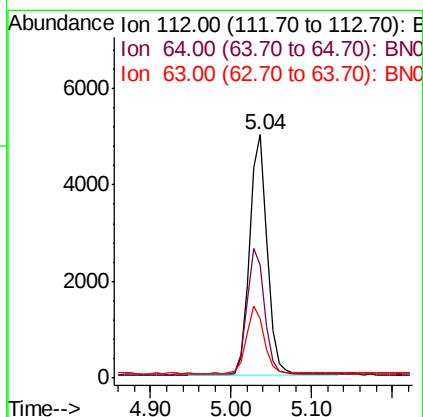
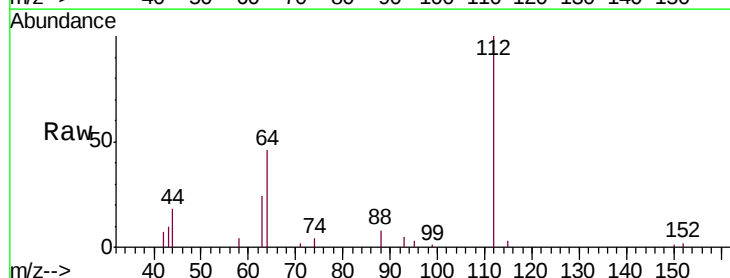
Tot Ion: 42 Resp: 2565  
 Ion Ratio Lower Upper  
 42 100  
 74 133.5 109.0 163.4  
 44 3.4 4.2 6.2#

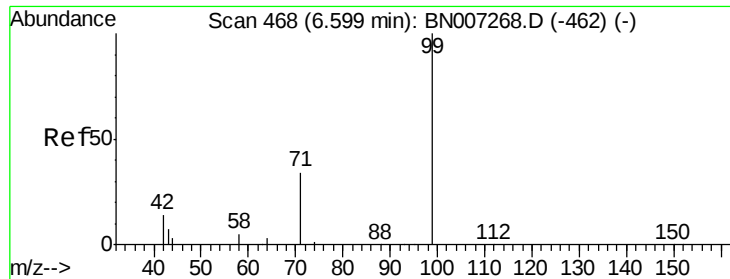


#4

2-Fluorophenol  
 Concen: 0.397 ng  
 RT: 5.04 min Scan# 274  
 Delta R.T. -0.00 min  
 Lab File: BN007293.D  
 Acq: 21 Aug 2019 15:09

Tgt Ion: 112 Resp: 7641  
 Ion Ratio Lower Upper  
 112 100  
 64 52.7 41.8 62.8  
 63 28.4 22.6 34.0





#5

Phenol-d6

Concen: 0.431 ng

RT: 6.59 min Scan# 467

Delta R.T. -0.01 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampleId :

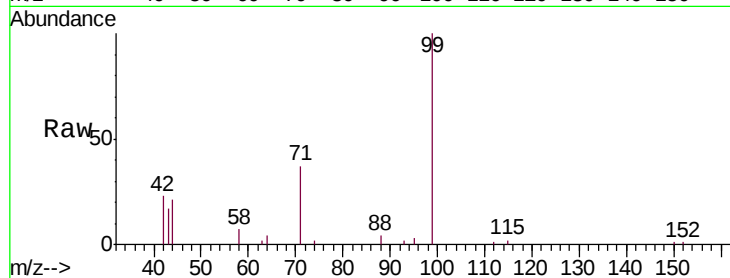
Tot Ion: 99 Resp: 9523

Ion Ratio Lower Upper

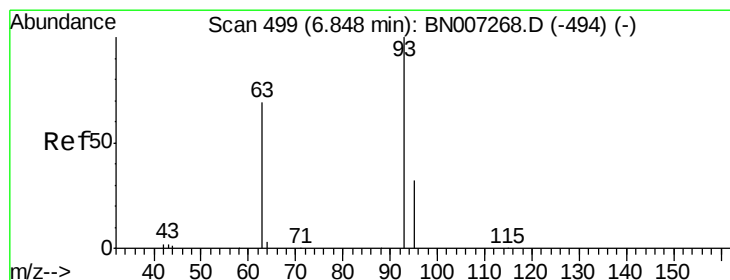
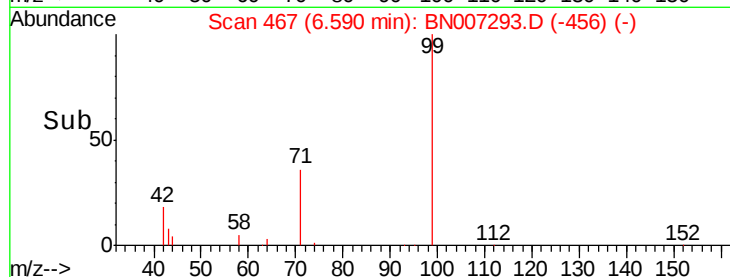
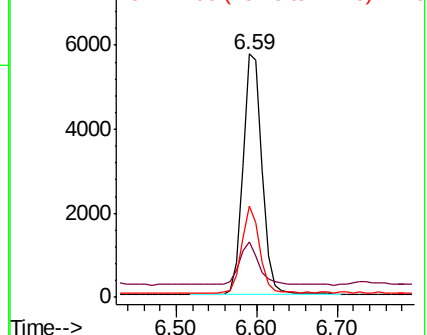
99 100

42 18.9 14.3 21.5

71 33.9 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BN0  
Ion 42.00 (41.70 to 42.70): BN0  
Ion 71.00 (70.70 to 71.70): BN0



#6

bis(2-Chloroethyl)ether

Concen: 0.414 ng

RT: 6.84 min Scan# 498

Delta R.T. -0.01 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

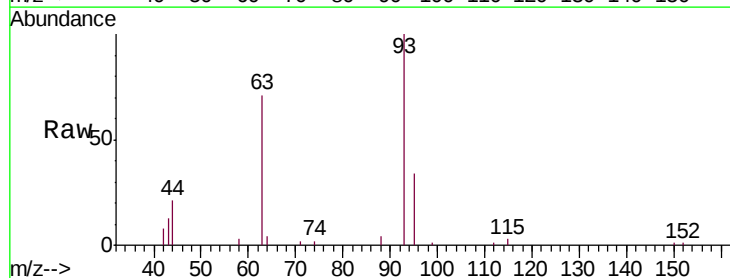
Tgt Ion: 93 Resp: 7712

Ion Ratio Lower Upper

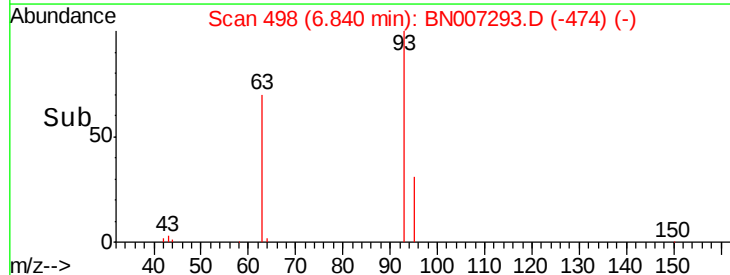
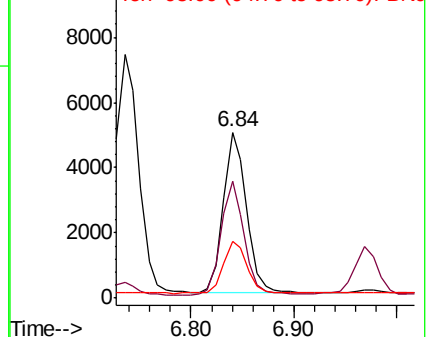
93 100

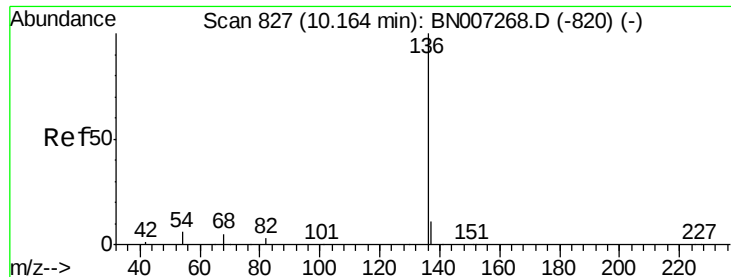
63 69.7 54.4 81.6

95 33.1 25.5 38.3



Abundance Ion 93.00 (92.70 to 93.70): BN0  
Ion 63.00 (62.70 to 63.70): BN0  
Ion 95.00 (94.70 to 95.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:136 Resp: 24177

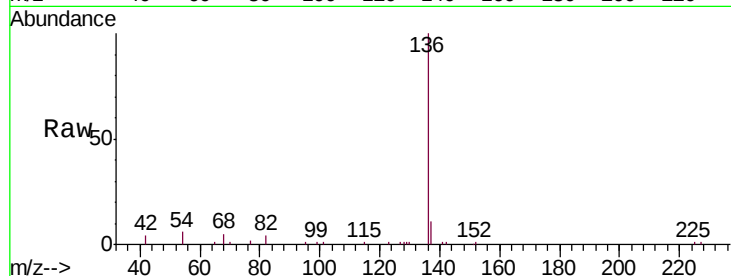
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 5.6 5.9 8.9#

68 5.4 5.6 8.4#

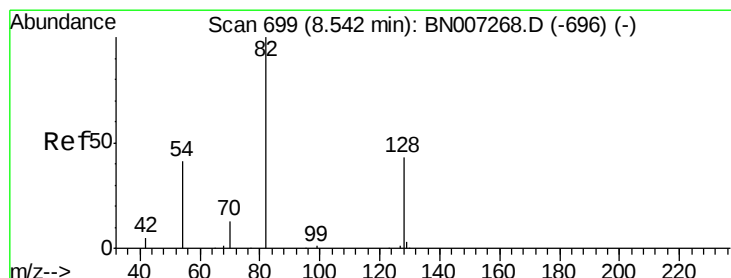
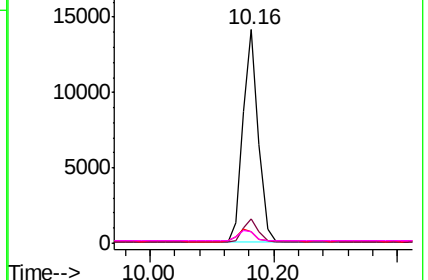
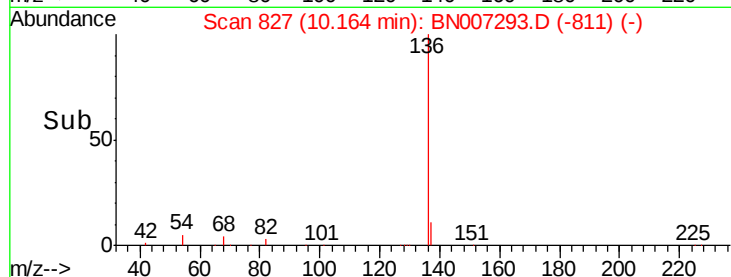


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.404 ng

RT: 8.54 min Scan# 699

Delta R.T. -0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

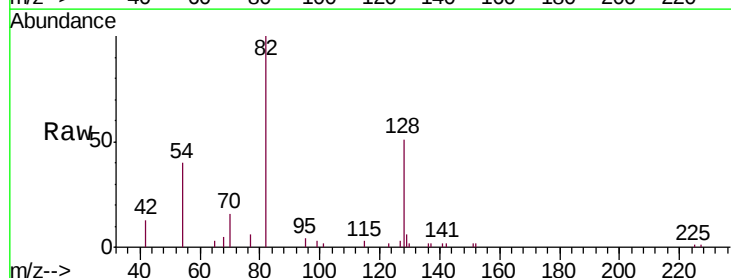
Tgt Ion: 82 Resp: 7500

Ion Ratio Lower Upper

82 100

128 51.4 35.8 53.6

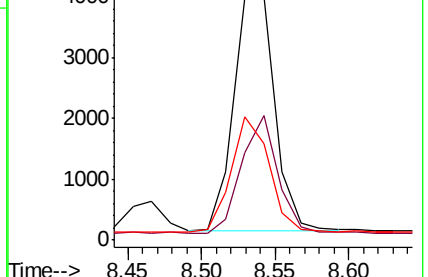
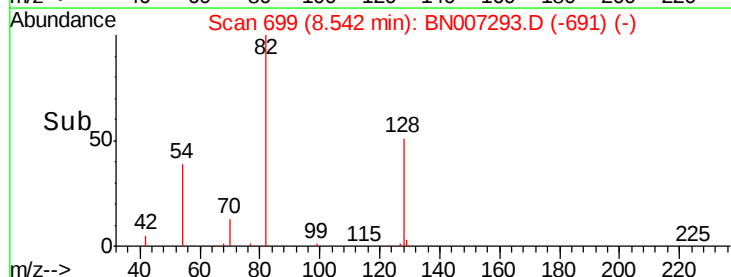
54 39.7 34.7 52.1

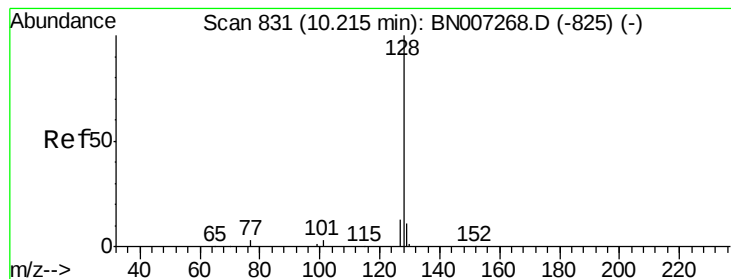


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.410 ng

RT: 10.21 min Scan# 831

Delta R.T. -0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampleId :

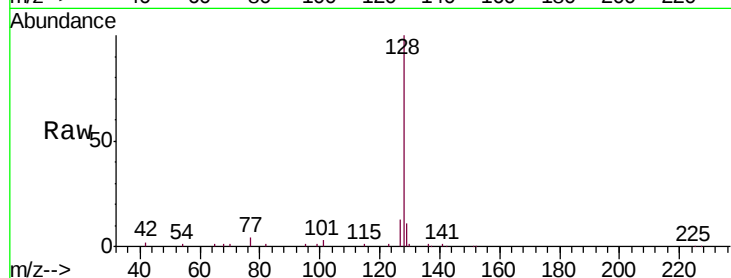
Tot Ion:128 Resp: 28090

Ion Ratio Lower Upper

128 100

129 11.5 9.1 13.7

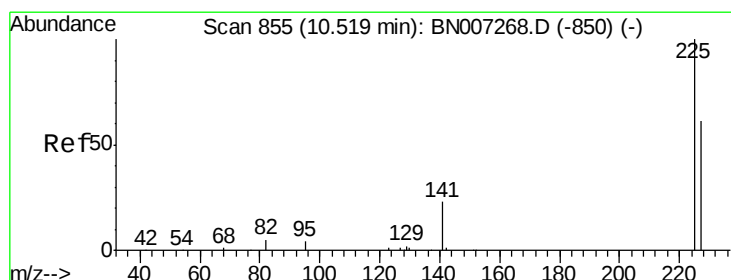
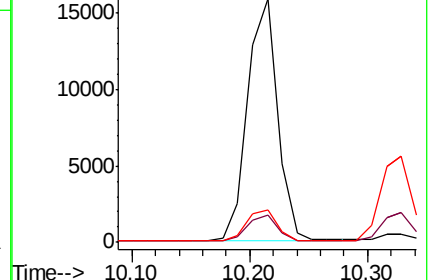
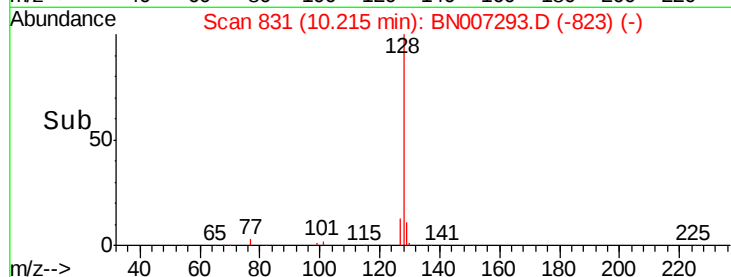
127 13.2 10.6 16.0



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: 0.403 ng

RT: 10.52 min Scan# 855

Delta R.T. -0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

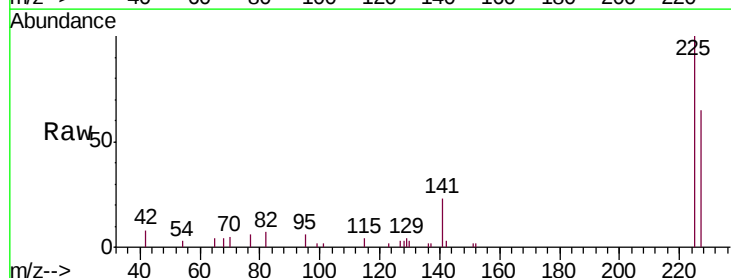
Tgt Ion:225 Resp: 6089

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

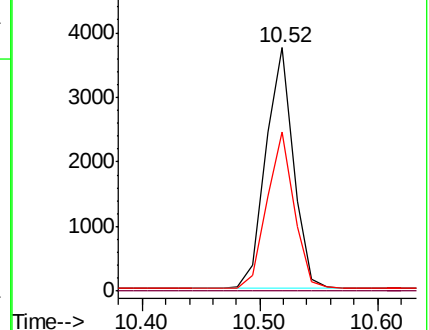
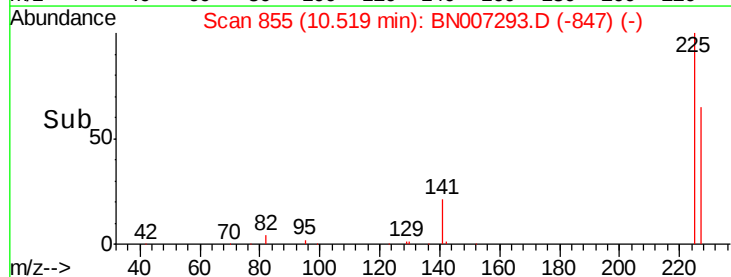
227 63.7 50.2 75.2

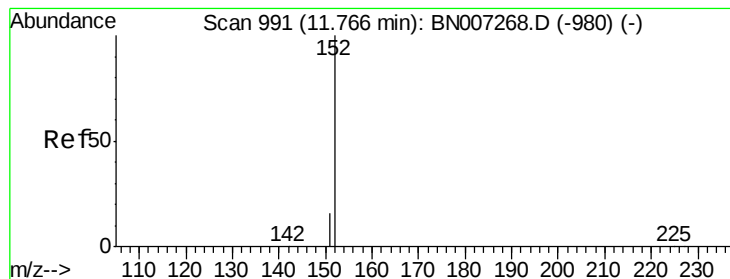


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.406 ng

RT: 11.77 min Scan# 991

Delta R.T. -0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

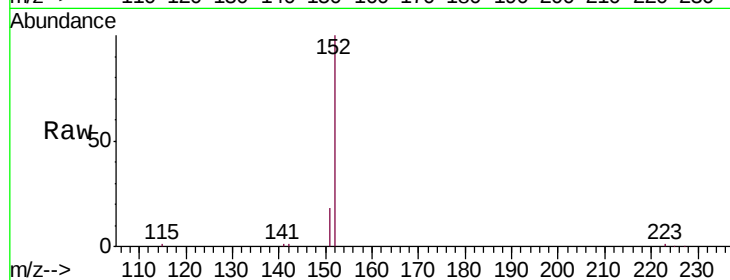
ClientSampleId :

Tot Ion:152 Resp: 16950

Ion Ratio Lower Upper

152 100

151 19.1 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.77

12000

10000

8000

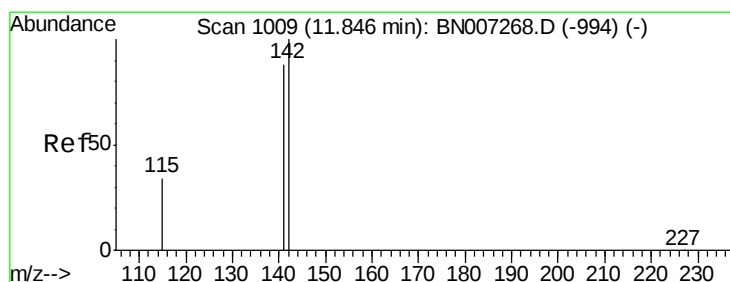
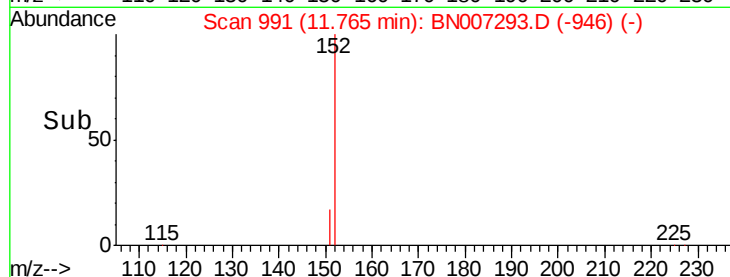
6000

4000

2000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.413 ng

RT: 11.84 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

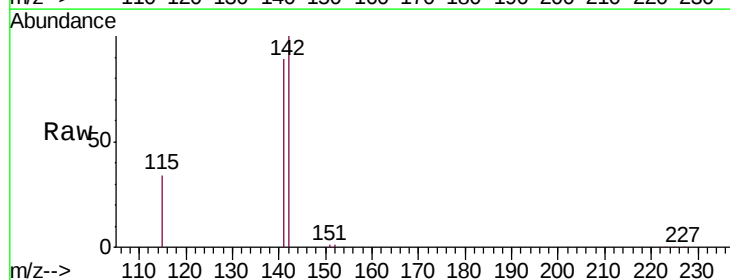
Tgt Ion:142 Resp: 19579

Ion Ratio Lower Upper

142 100

141 88.6 70.7 106.1

115 34.2 28.1 42.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.84

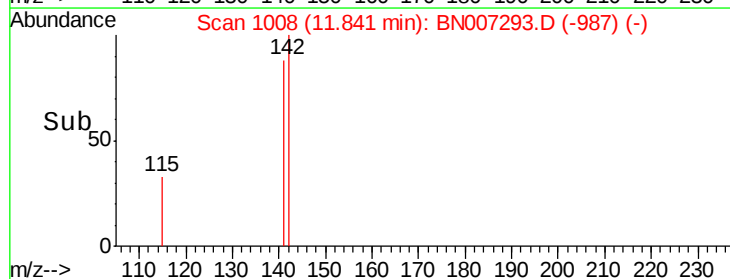
15000

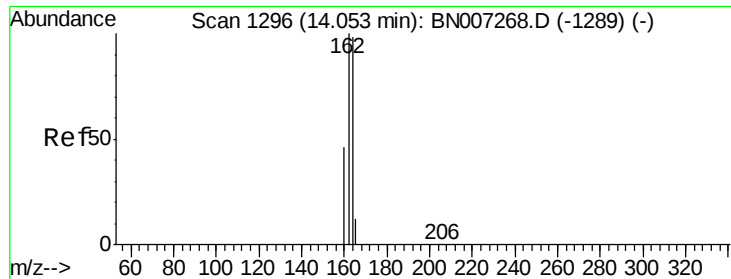
10000

5000

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.06 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampleId :

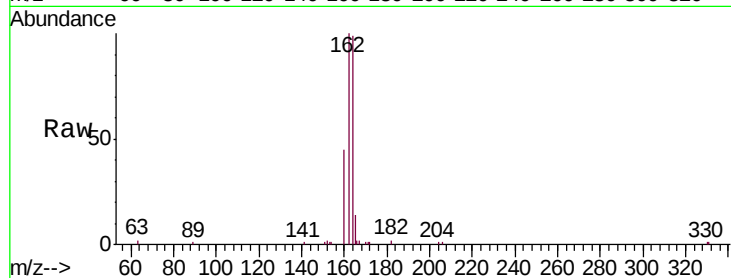
Tot Ion:164 Resp: 13676

Ion Ratio Lower Upper

164 100

162 100.7 82.0 123.0

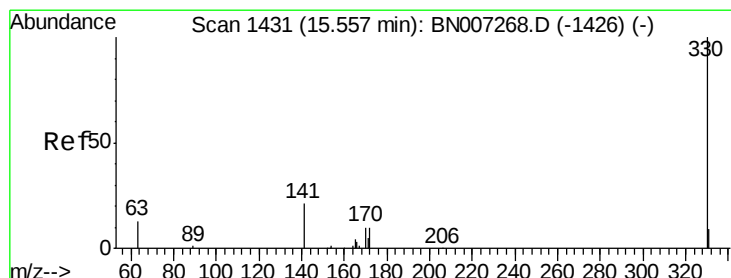
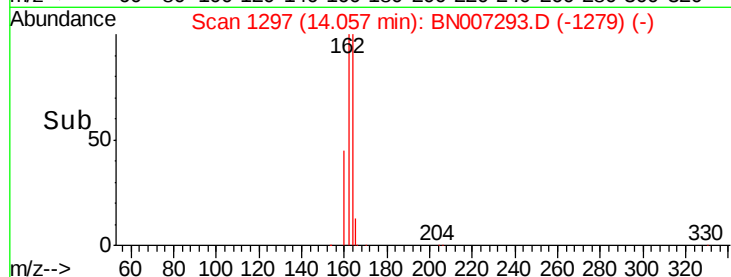
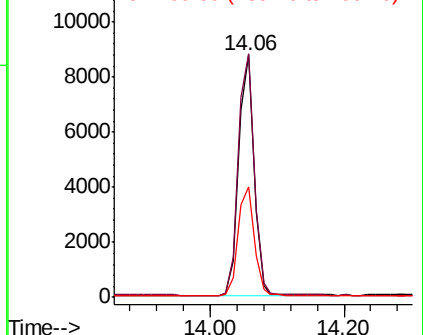
160 45.5 38.2 57.4



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: 0.386 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

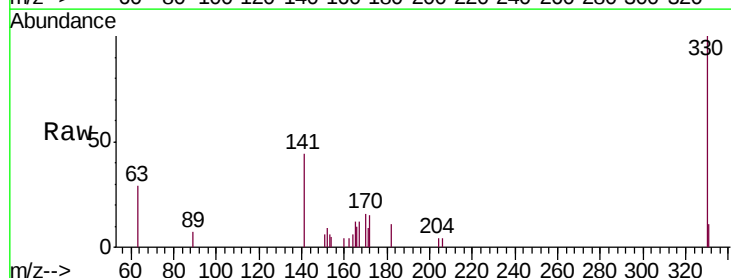
Tgt Ion:330 Resp: 2962

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

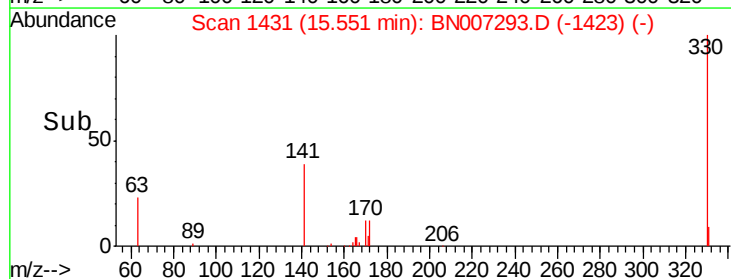
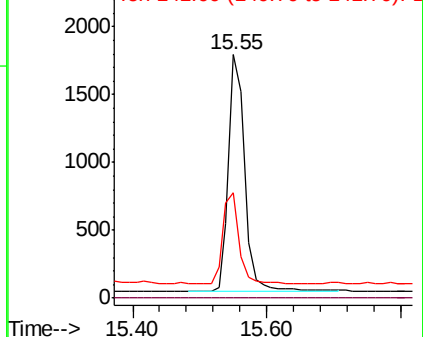
141 39.5 30.3 45.5

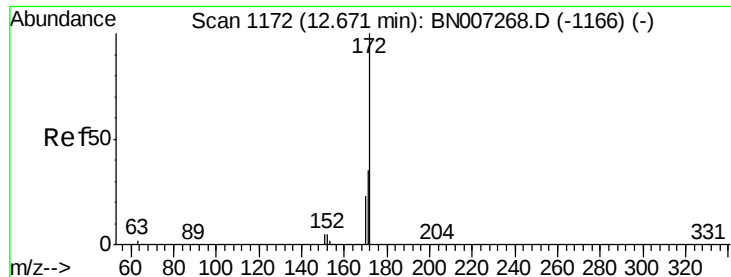


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

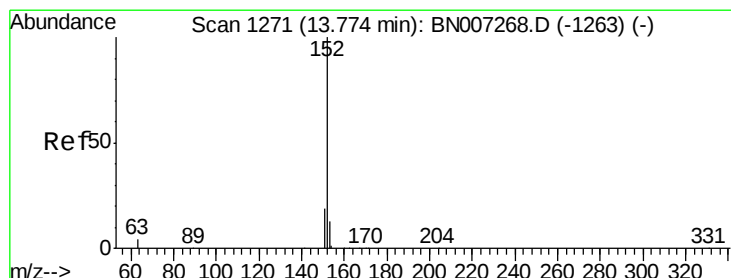
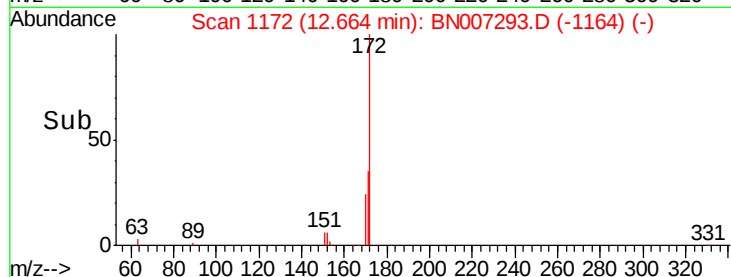
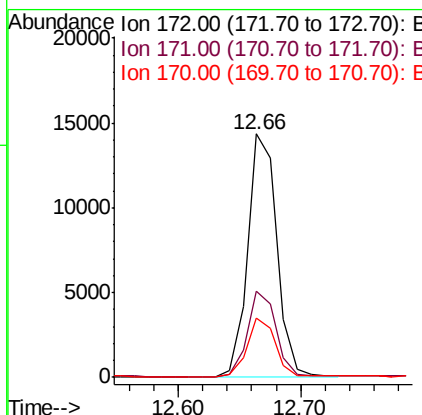
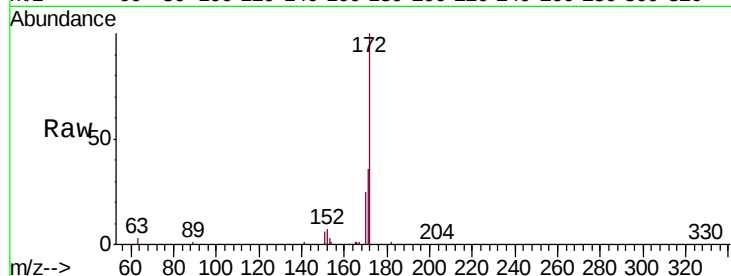




#15  
2-Fluorobiphenyl  
Concen: 0.407 ng  
RT: 12.66 min Scan# 1172  
Delta R.T. -0.01 min  
Lab File: BN007293.D  
Acq: 21 Aug 2019 15:09

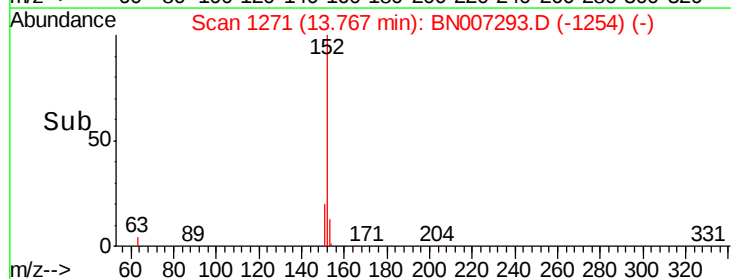
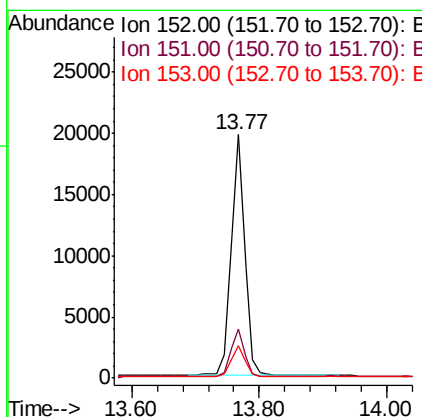
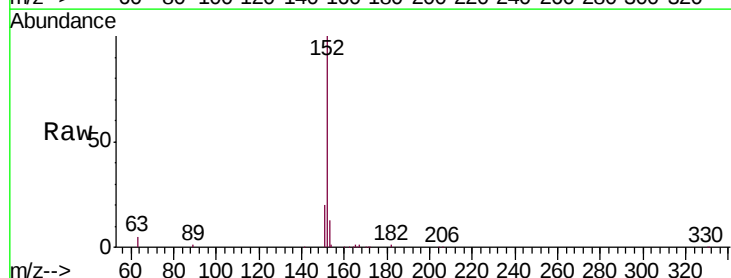
Instrument :  
BNA\_N  
ClientSampleId :

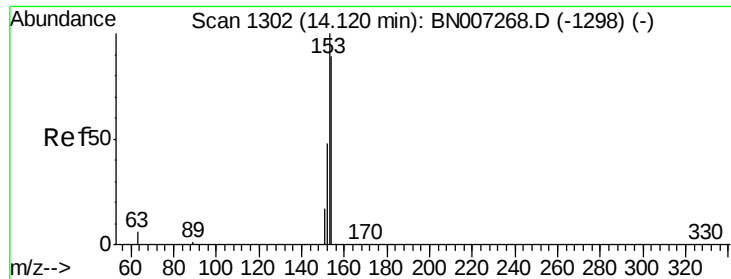
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 28.6  | 43.0  |
| 170     | 24.5  | 18.7  | 28.1  |



#16  
Acenaphthylene  
Concen: 0.410 ng  
RT: 13.77 min Scan# 1271  
Delta R.T. -0.01 min  
Lab File: BN007293.D  
Acq: 21 Aug 2019 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.6  | 15.4  | 23.2  |
| 153     | 12.9  | 10.1  | 15.1  |





#17

Acenaphthene

Concen: 0.406 ng

RT: 14.11 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampleId :

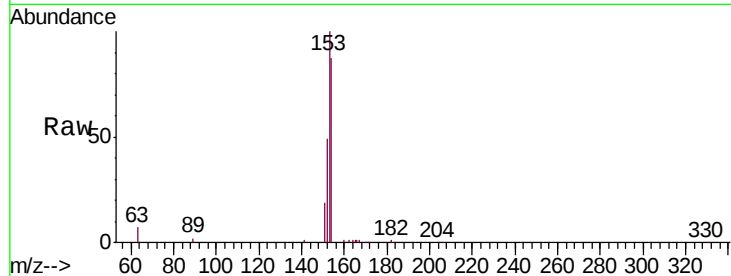
Tot Ion:154 Resp: 18758

Ion Ratio Lower Upper

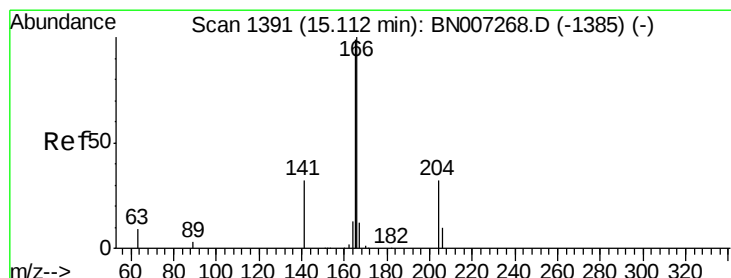
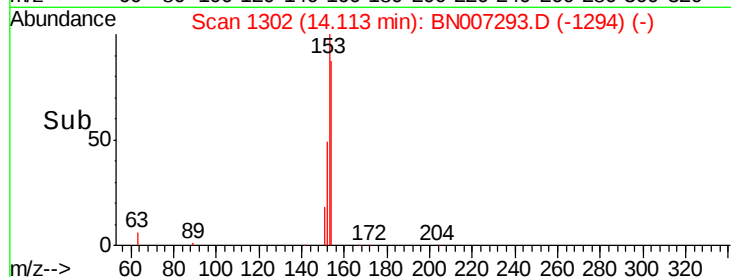
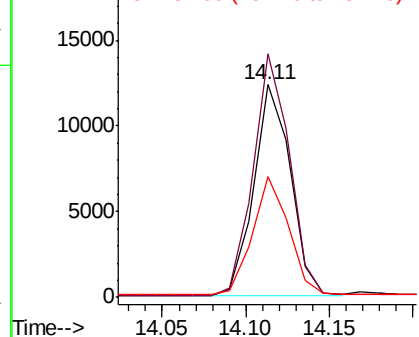
154 100

153 113.8 89.9 134.9

152 56.0 43.9 65.9



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.407 ng

RT: 15.12 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

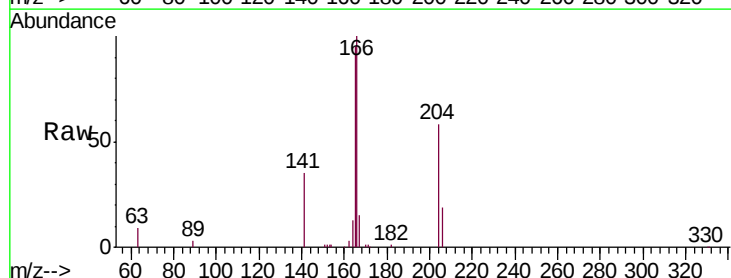
Tgt Ion:166 Resp: 24600

Ion Ratio Lower Upper

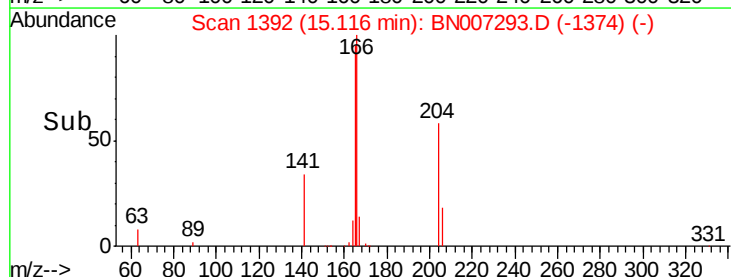
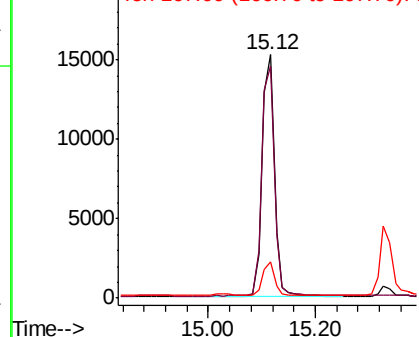
166 100

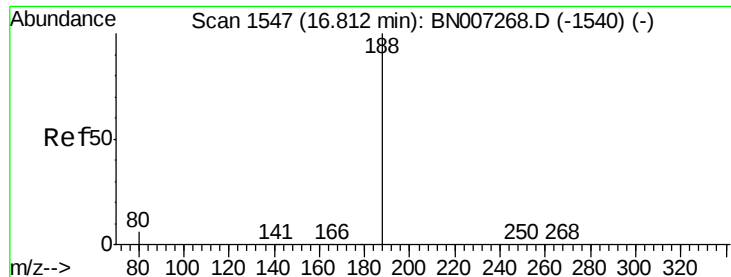
165 96.2 78.3 117.5

167 13.3 11.1 16.7



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: 16.80 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampled :

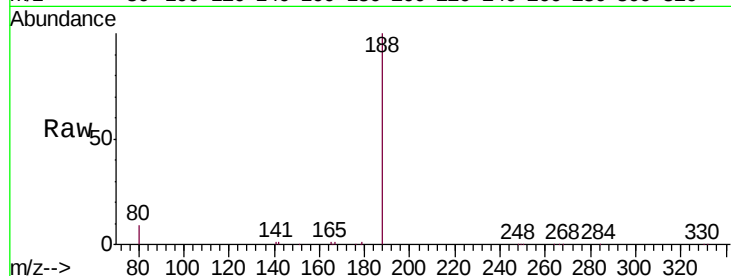
Tot Ion:188 Resp: 31130

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

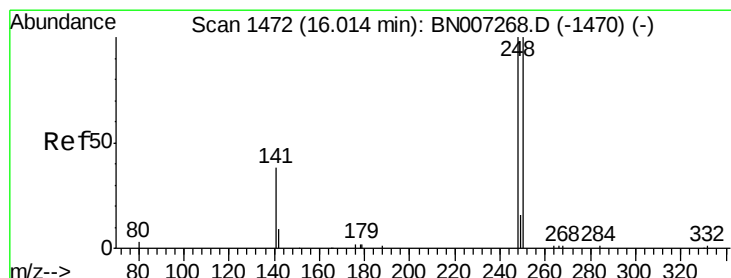
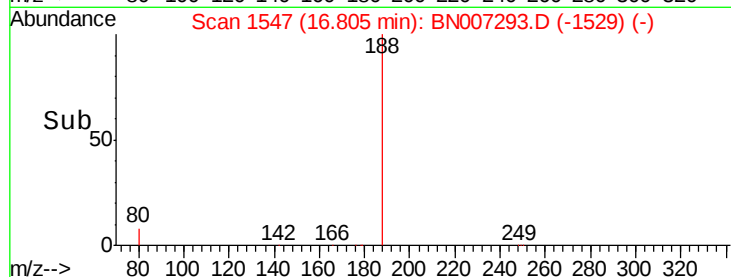
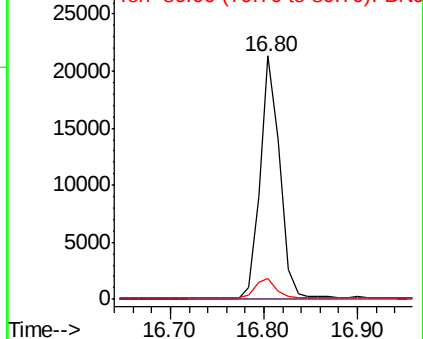
80 8.8 5.2 7.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.421 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

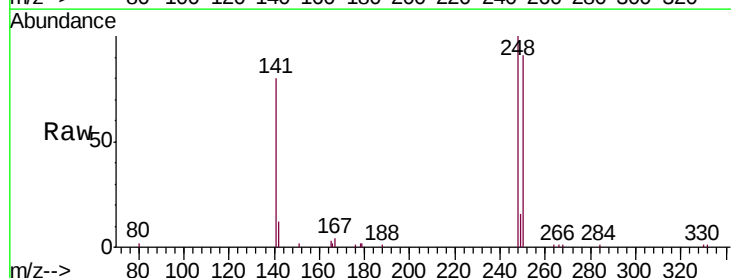
Tgt Ion:248 Resp: 7500

Ion Ratio Lower Upper

248 100

250 90.9 79.6 119.4

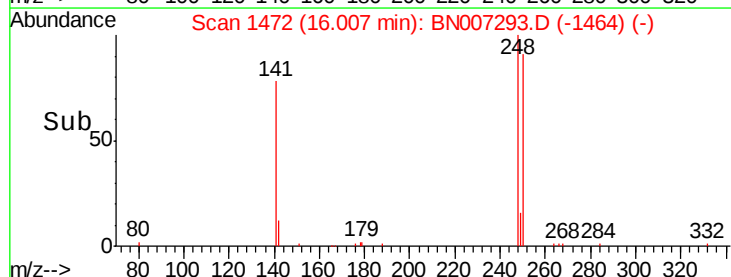
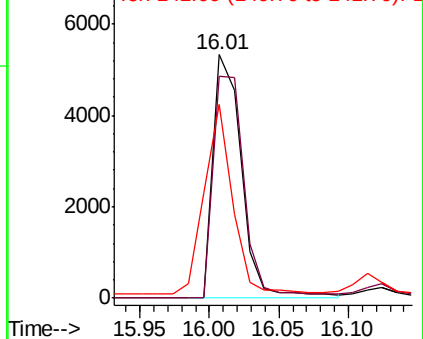
141 79.6 45.1 67.7#

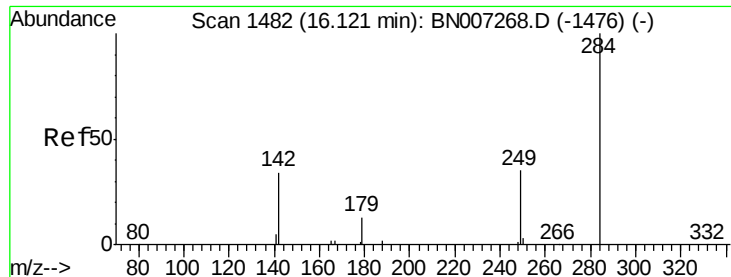


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.420 ng

RT: 16.12 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampleId :

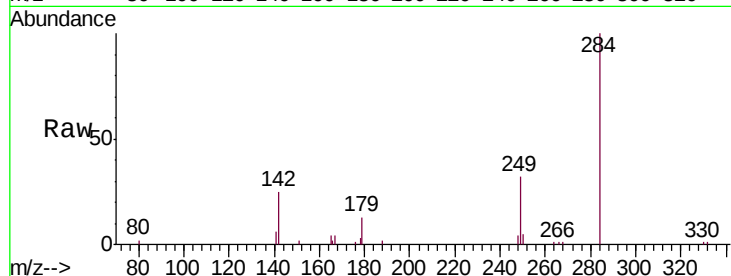
Tot Ion:284 Resp: 8662

Ion Ratio Lower Upper

284 100

142 36.9 29.5 44.3

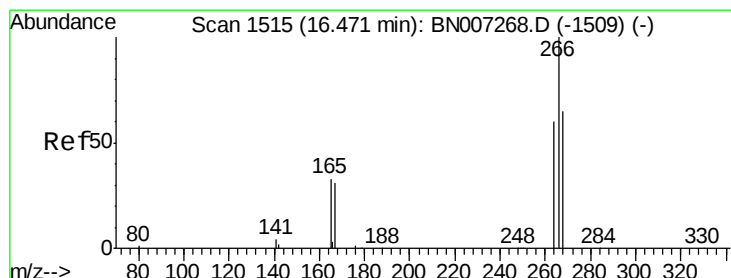
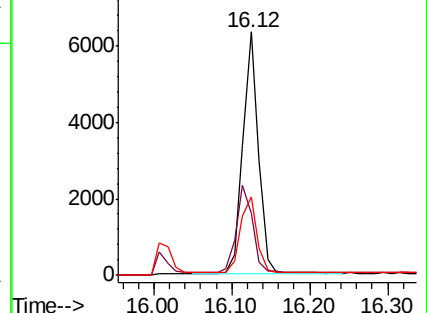
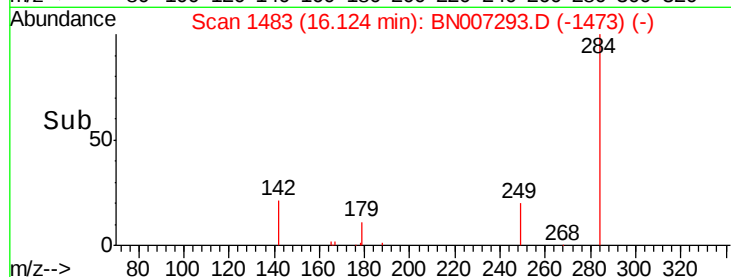
249 33.3 26.2 39.4



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.422 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

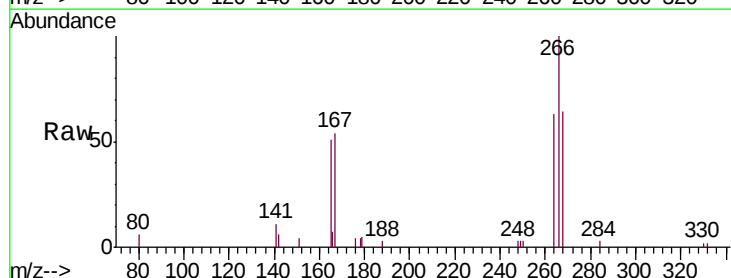
Tgt Ion:266 Resp: 3495

Ion Ratio Lower Upper

266 100

264 63.4 48.7 73.1

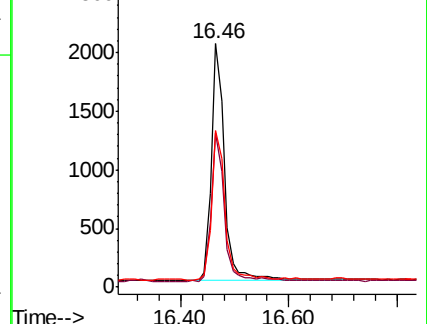
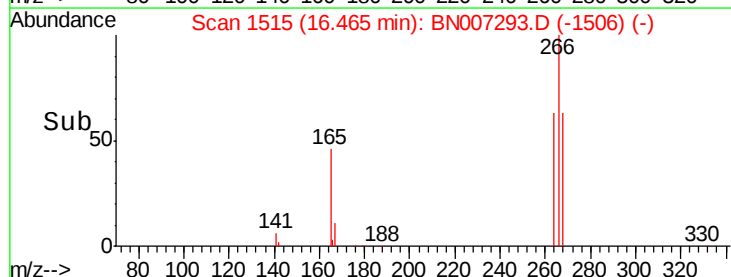
268 64.3 53.5 80.3

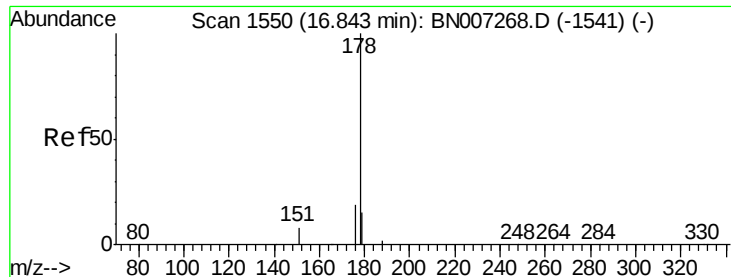


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.414 ng

RT: 16.85 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampleId :

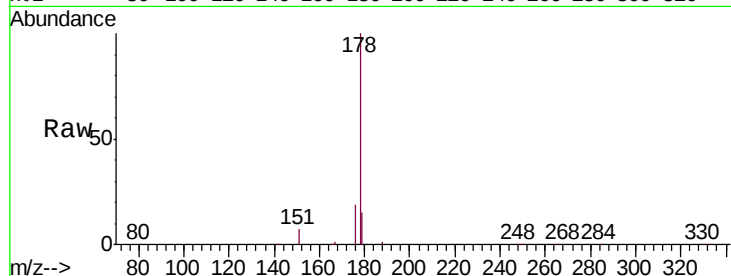
Tot Ion:178 Resp: 40408

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

179 15.4 12.3 18.5

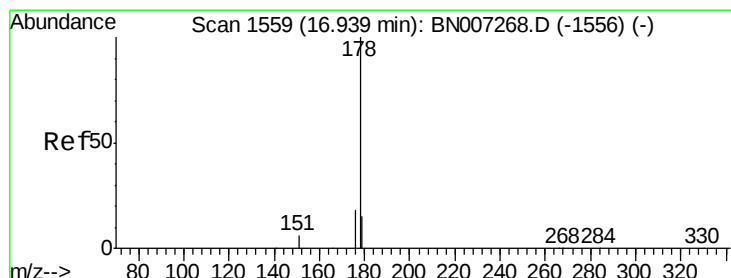
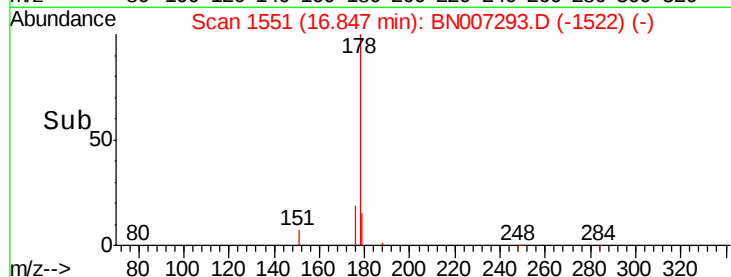
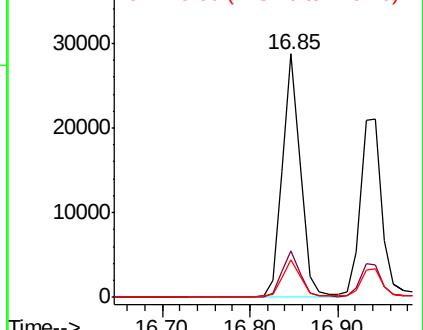


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.413 ng

RT: 16.94 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

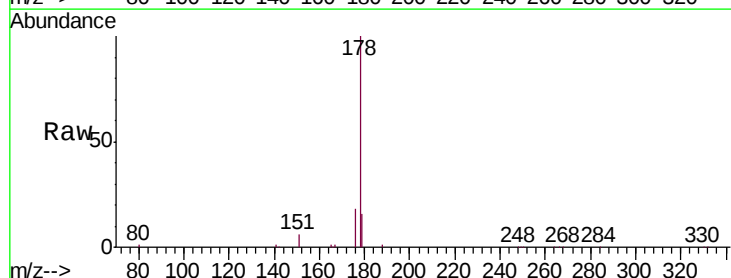
Tgt Ion:178 Resp: 36255

Ion Ratio Lower Upper

178 100

176 18.4 14.3 21.5

179 15.4 12.3 18.5

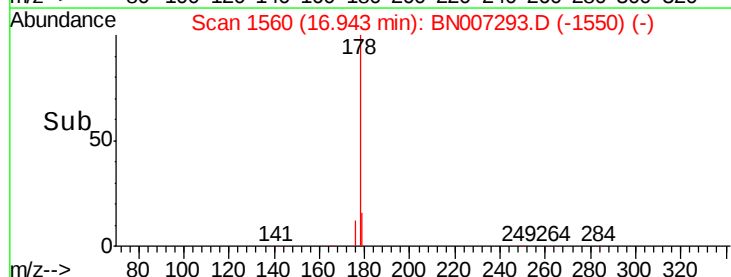
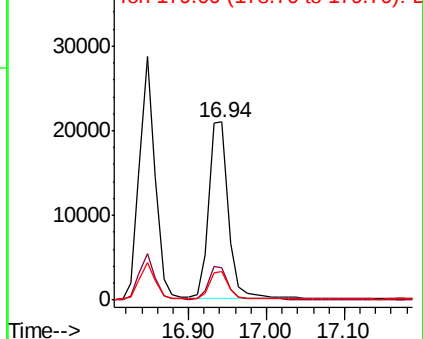


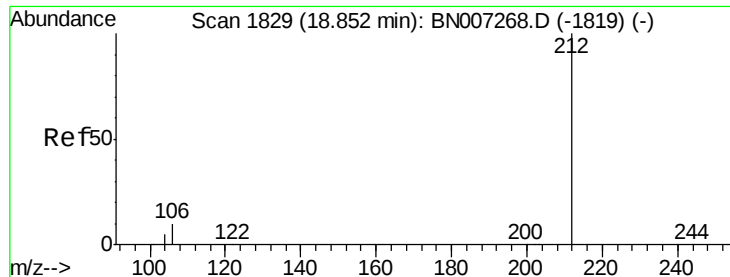
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.415 ng

RT: 18.85 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampleId :

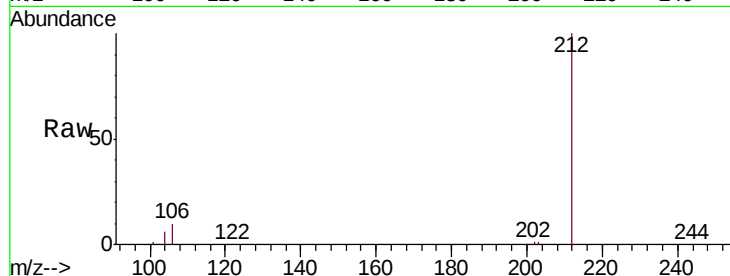
Tot Ion:212 Resp: 41004

Ion Ratio Lower Upper

212 100

106 10.5 8.2 12.4

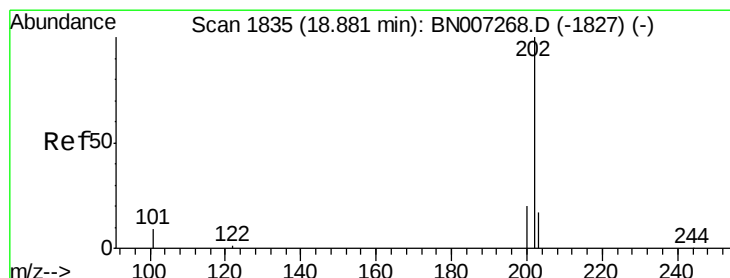
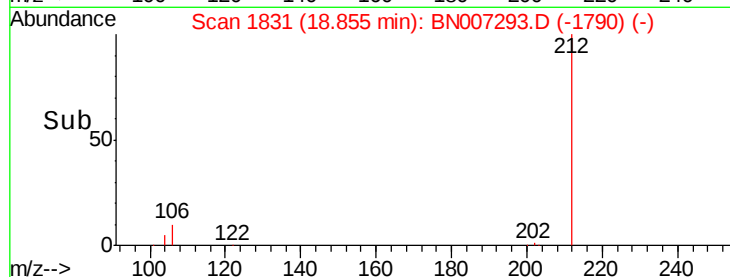
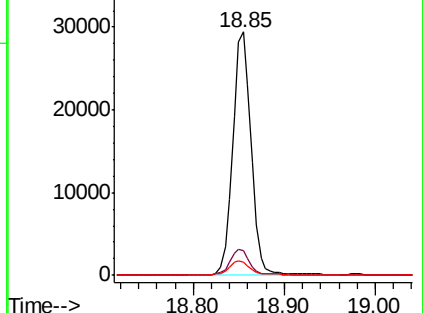
104 5.8 4.7 7.1



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: 0.416 ng

RT: 18.88 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

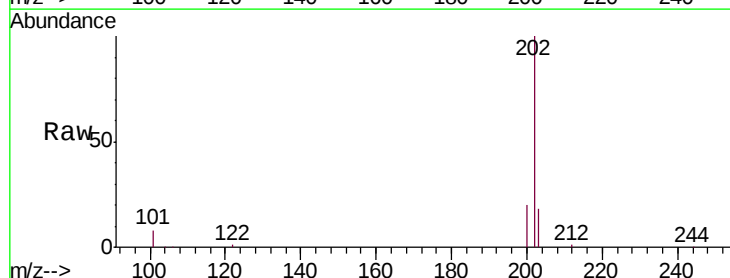
Tgt Ion:202 Resp: 49117

Ion Ratio Lower Upper

202 100

101 9.0 7.2 10.8

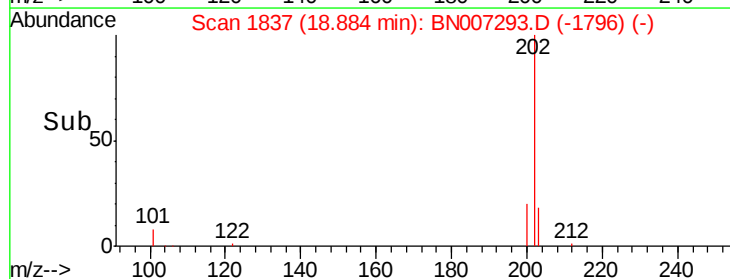
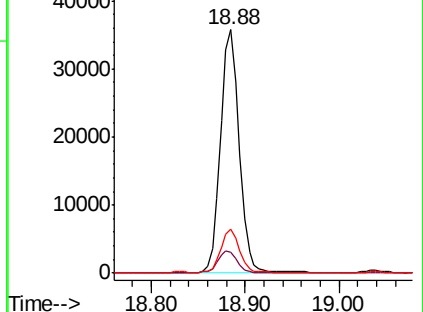
203 17.2 13.8 20.6

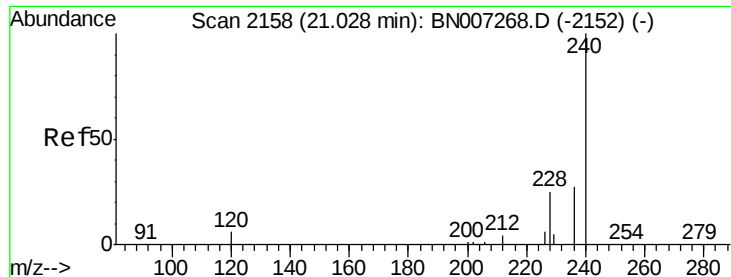


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.04 min Scan# 2160

Delta R.T. 0.01 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampleId :

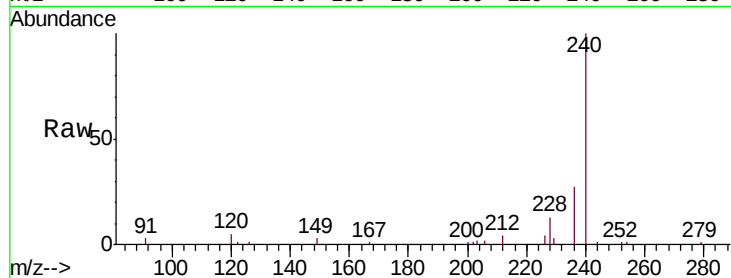
Tot Ion:240 Resp: 31488

Ion Ratio Lower Upper

240 100

120 5.3 5.6 8.4#

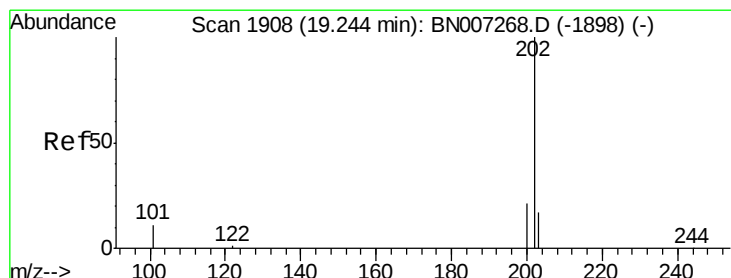
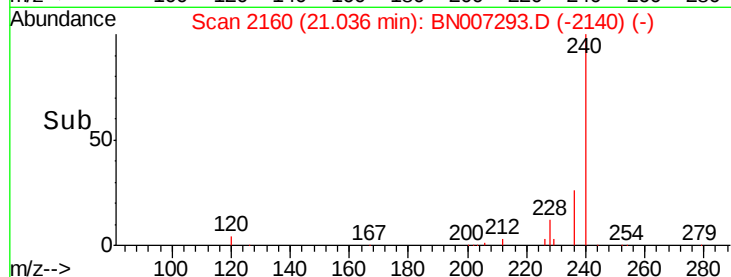
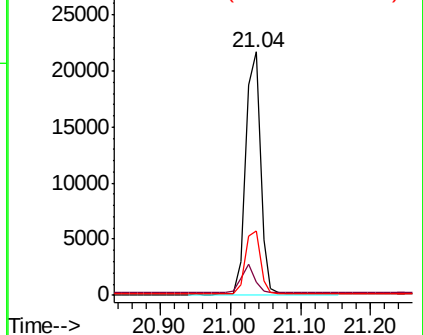
236 26.7 21.6 32.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.431 ng

RT: 19.25 min Scan# 1910

Delta R.T. 0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

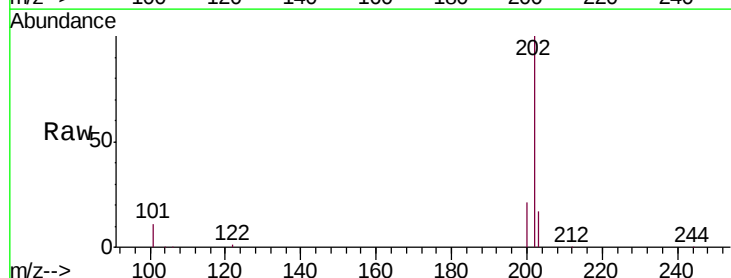
Tgt Ion:202 Resp: 50750

Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

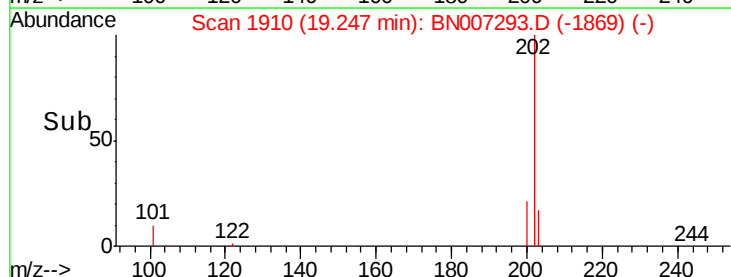
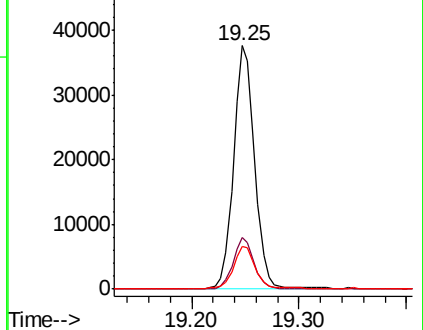
203 17.6 13.9 20.9

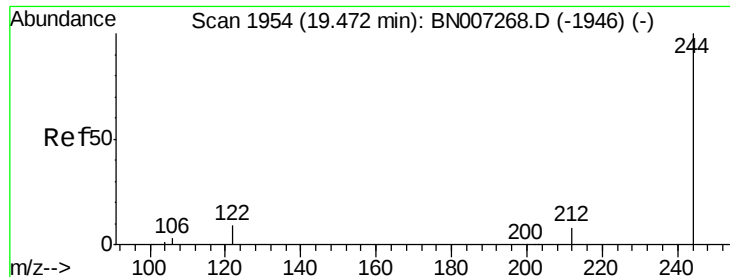


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.420 ng

RT: 19.48 min Scan# 1956

Delta R.T. 0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampleId :

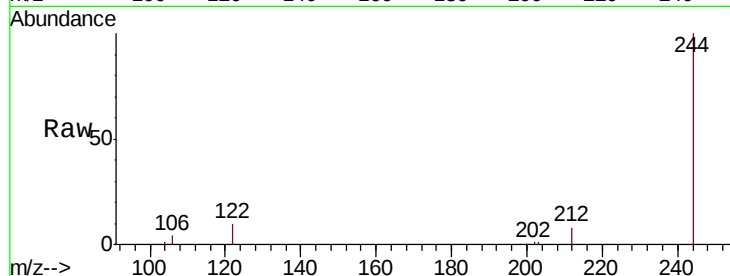
Tot Ion:244 Resp: 33045

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

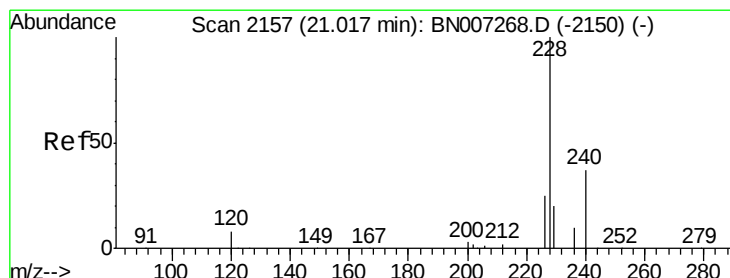
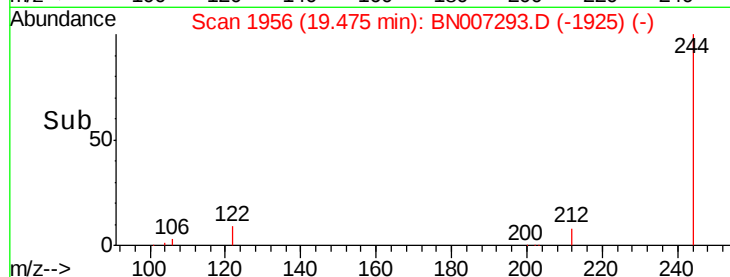
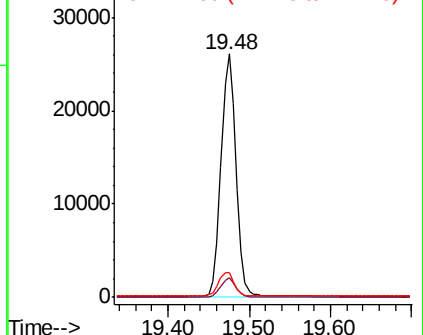
122 10.0 7.9 11.9



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: 0.435 ng

RT: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

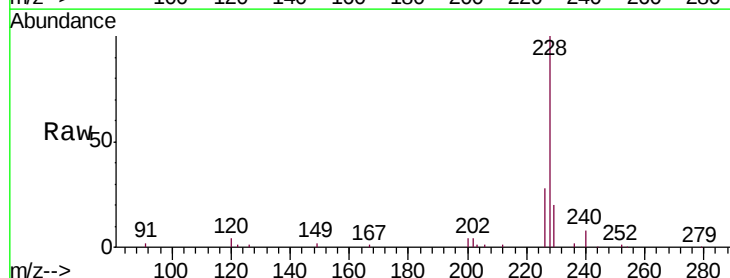
Tgt Ion:228 Resp: 50887

Ion Ratio Lower Upper

228 100

226 27.8 20.6 30.8

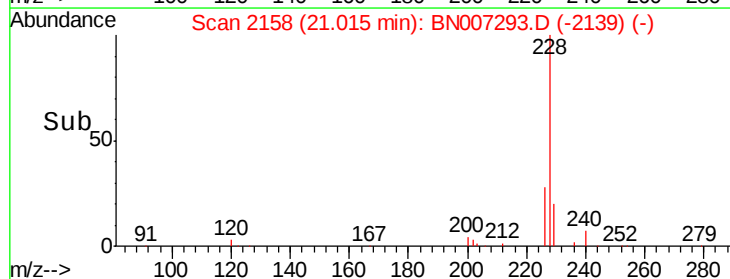
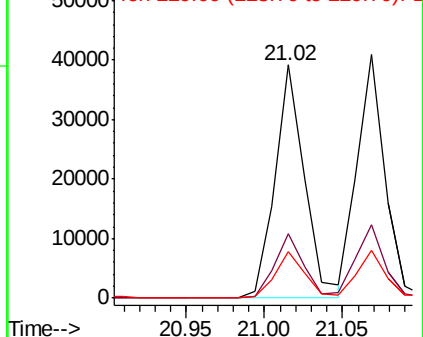
229 20.0 16.9 25.3

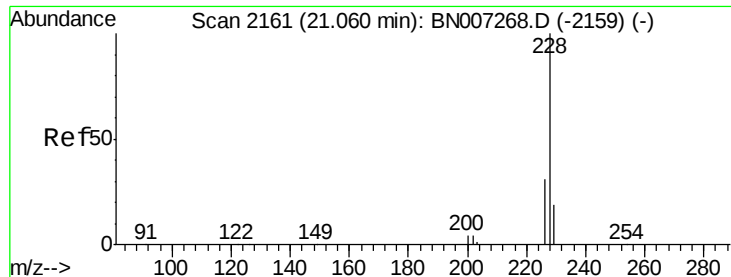


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.417 ng

RT: 21.07 min Scan# 2163

Delta R.T. 0.01 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampled :

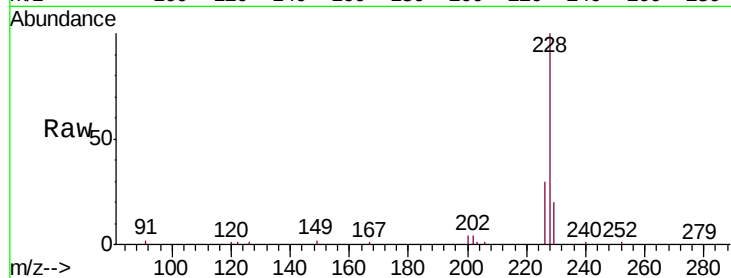
Tot Ion:228 Resp: 49853

Ion Ratio Lower Upper

228 100

226 30.0 24.6 36.8

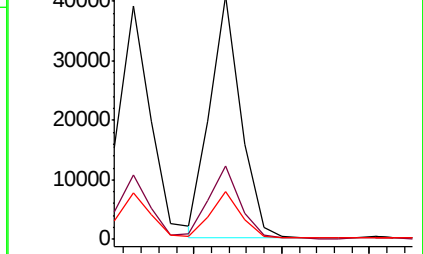
229 19.6 15.6 23.4



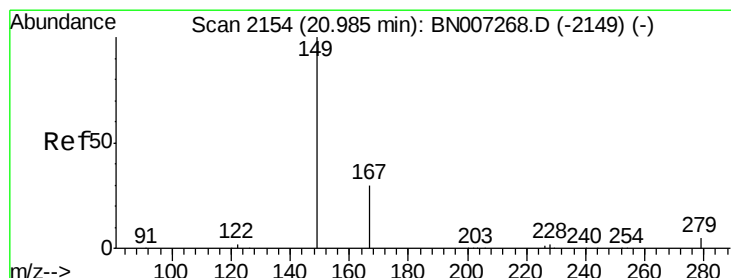
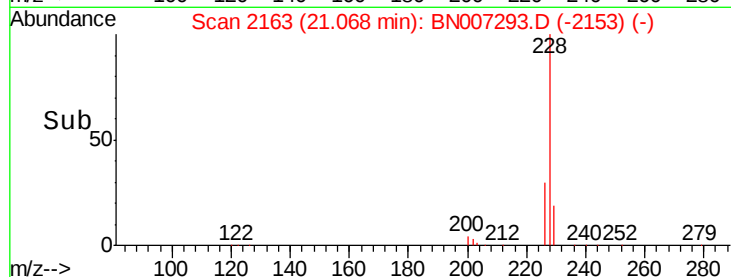
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.492 ng

RT: 20.98 min Scan# 2155

Delta R.T. -0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

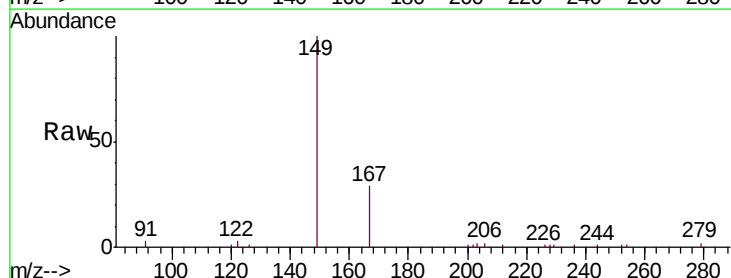
Tgt Ion:149 Resp: 23007

Ion Ratio Lower Upper

149 100

167 29.6 23.8 35.6

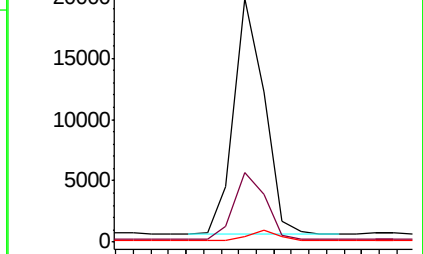
279 4.5 3.8 5.8



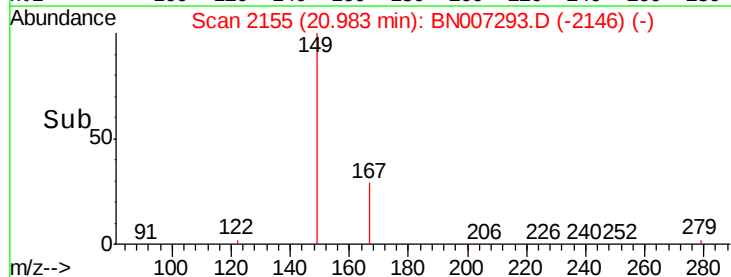
Abundance Ion 149.00 (148.70 to 149.70): E

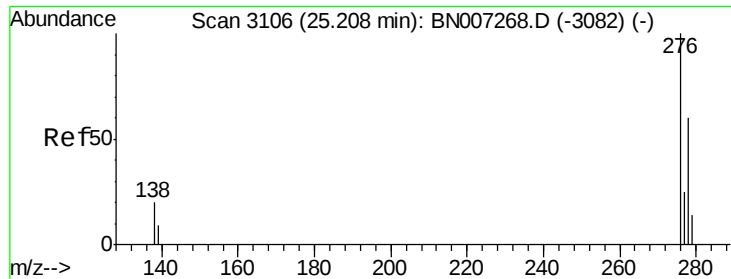
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

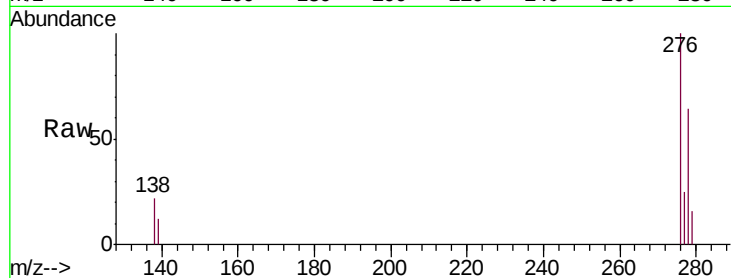




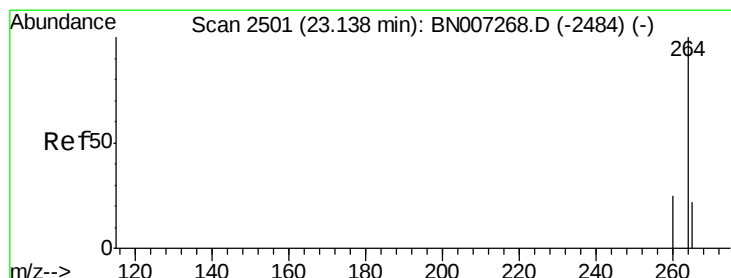
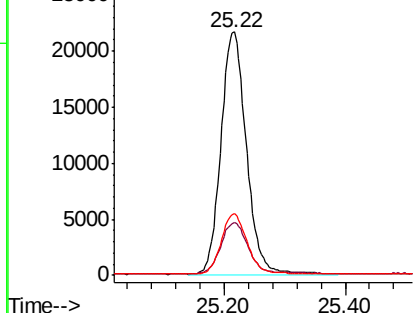
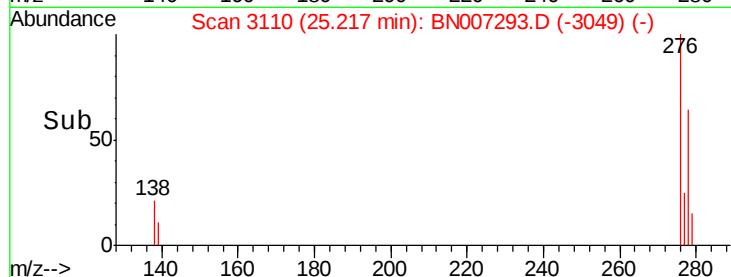
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.438 ng  
 RT: 25.22 min Scan# 3110  
 Delta R.T. 0.01 min  
 Lab File: BN007293.D  
 Acq: 21 Aug 2019 15:09

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:276 Resp: 63038  
 Ion Ratio Lower Upper  
 276 100  
 138 22.0 17.1 25.7  
 277 24.8 20.1 30.1

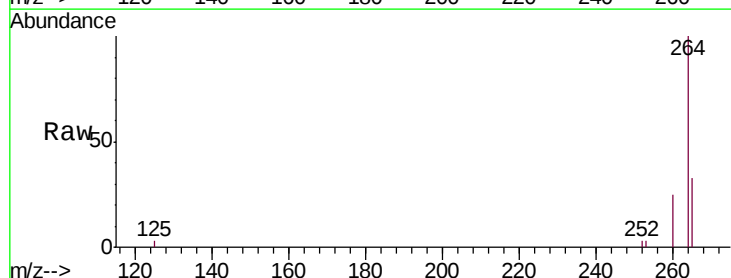


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

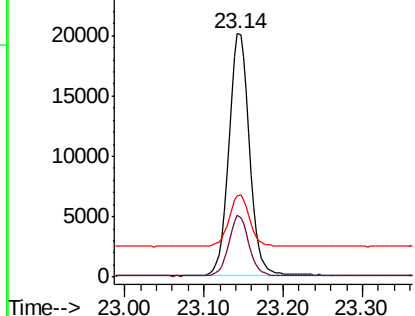
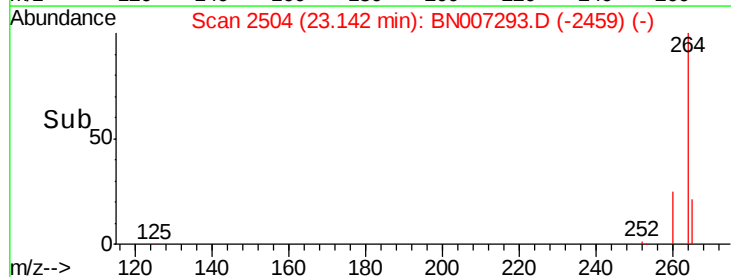


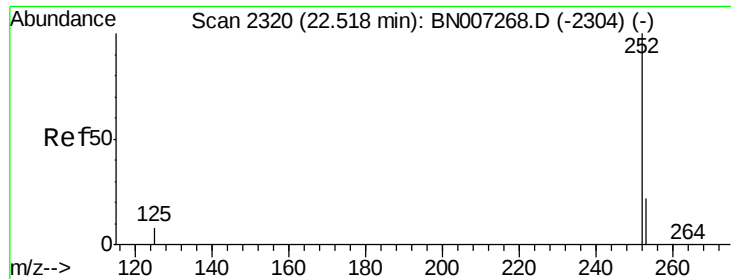
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.14 min Scan# 2504  
 Delta R.T. 0.00 min  
 Lab File: BN007293.D  
 Acq: 21 Aug 2019 15:09

Tgt Ion:264 Resp: 36078  
 Ion Ratio Lower Upper  
 264 100  
 260 25.3 20.1 30.1  
 265 33.4 29.0 43.6



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: 0.383 ng

RT: 22.52 min Scan# 2323

Delta R.T. 0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampleId :

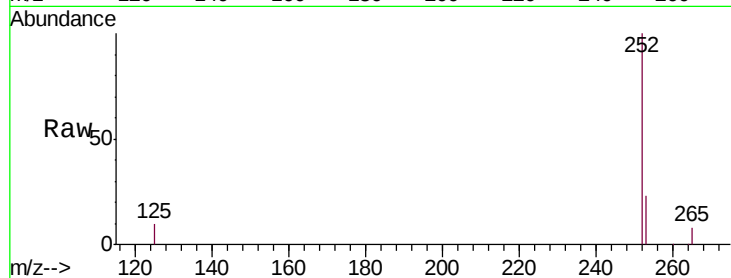
Tot Ion:252 Resp: 51502

Ion Ratio Lower Upper

252 100

253 23.1 18.5 27.7

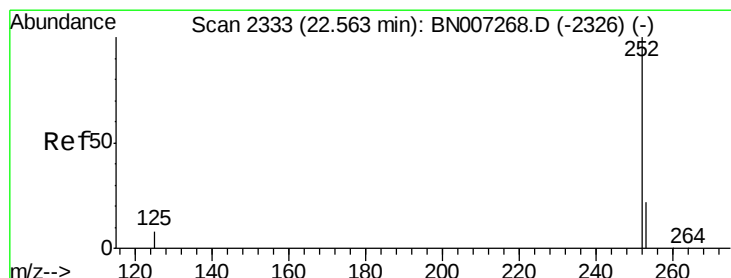
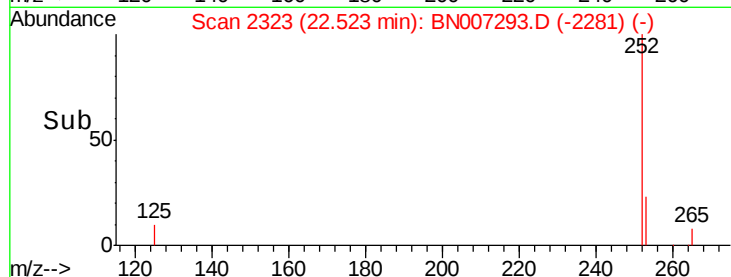
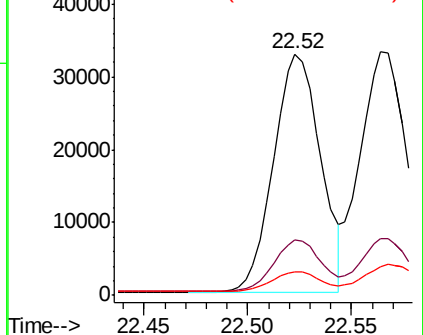
125 9.9 7.8 11.6



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: 0.402 ng

RT: 22.56 min Scan# 2335

Delta R.T. 0.00 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

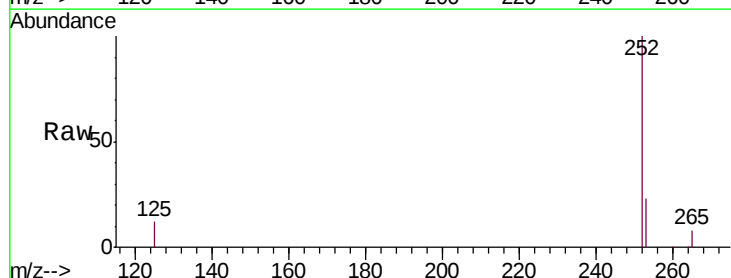
Tgt Ion:252 Resp: 52927

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

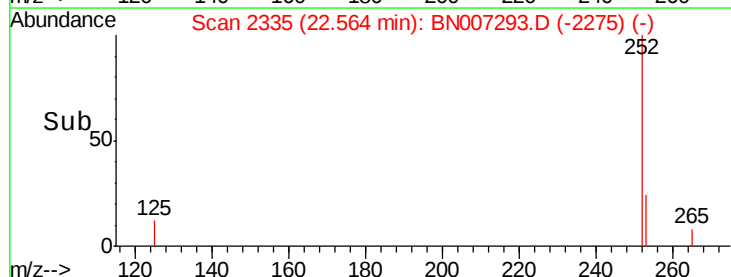
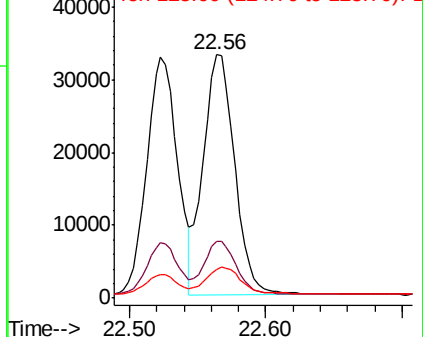
125 11.7 8.0 12.0

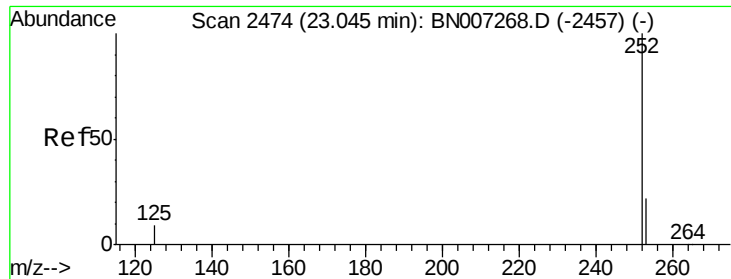


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.402 ng

RT: 23.05 min Scan# 2478

Delta R.T. 0.01 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampleId :

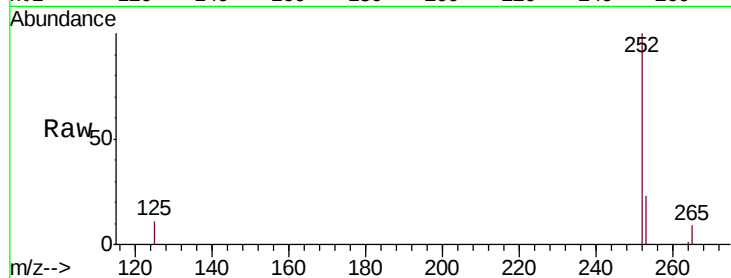
Tot Ion:252 Resp: 48770

Ion Ratio Lower Upper

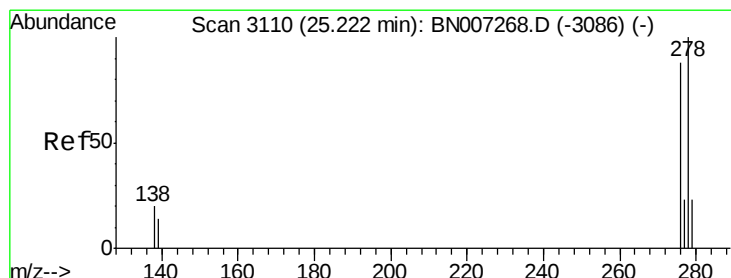
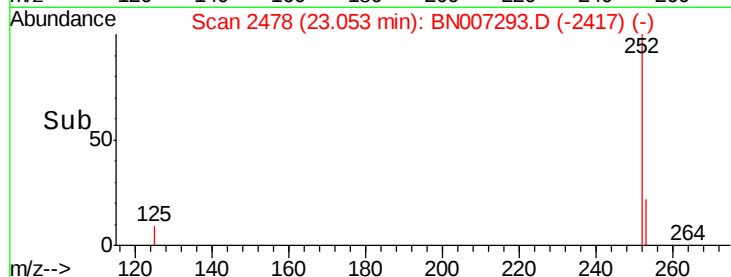
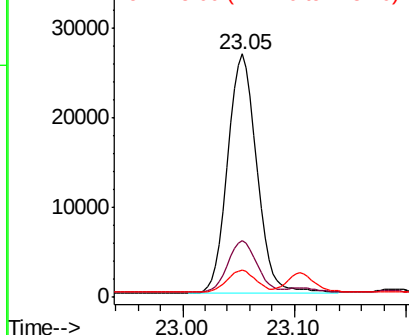
252 100

253 23.4 18.7 28.1

125 11.1 8.7 13.1



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



#38

Dibenzo(a,h)anthracene

Concen: 0.399 ng

RT: 25.23 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

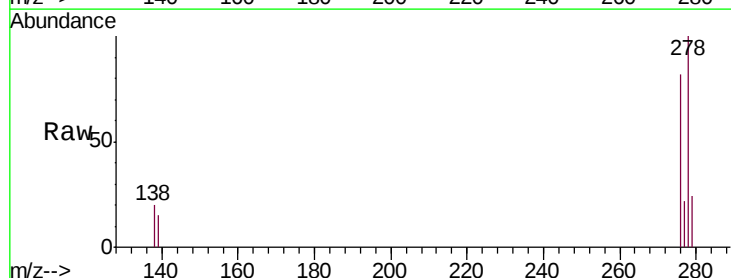
Tgt Ion:278 Resp: 50796

Ion Ratio Lower Upper

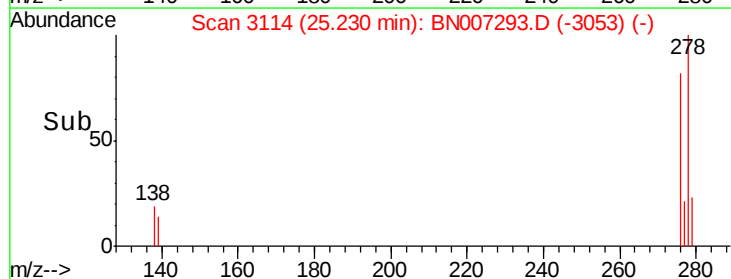
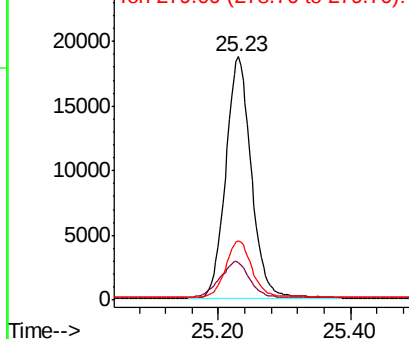
278 100

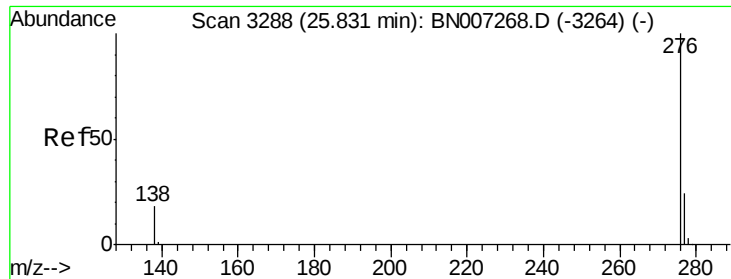
139 15.4 11.8 17.8

279 24.3 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.389 ng

RT: 25.84 min Scan# 3291

Delta R.T. 0.00 min

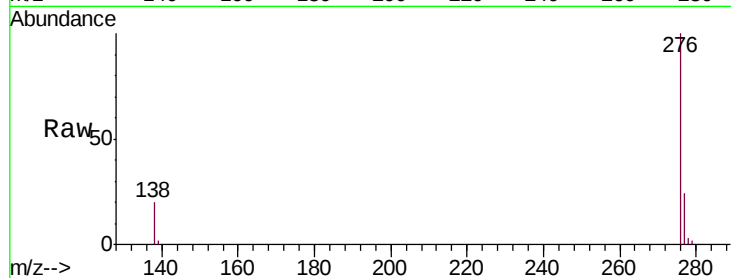
Lab File: BN007293.D

Acq: 21 Aug 2019 15:09

Instrument :

BNA\_N

ClientSampleId :



Tot Ion:276 Resp: 50096

Ion Ratio Lower Upper

276 100

277 24.1 19.5 29.3

138 19.7 15.3 22.9

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

