

Data File : BN007512.D  
Acq On : 29 Aug 2019 21:06  
Operator : HP/JU  
Sample : PB122289BS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB122289BS

Quant Time: Aug 30 02:00:42 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN082319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 29 12:18:45 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 4780     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 21083    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.05 | 164  | 13551    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.79 | 188  | 36266    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.02 | 240  | 38784    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.12 | 264  | 34852    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.03  | 112  | 5628     | 0.33 | ng    | 0.00     |
| 5) Phenol-d6                | 6.59  | 99   | 8009     | 0.38 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.53  | 82   | 5901     | 0.32 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.75 | 152  | 14029    | 0.40 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.55 | 330  | 2546     | 0.36 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.66 | 172  | 17358    | 0.32 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.84 | 212  | 42732    | 0.37 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.46 | 244  | 33127    | 0.33 | ng    | 0.00     |

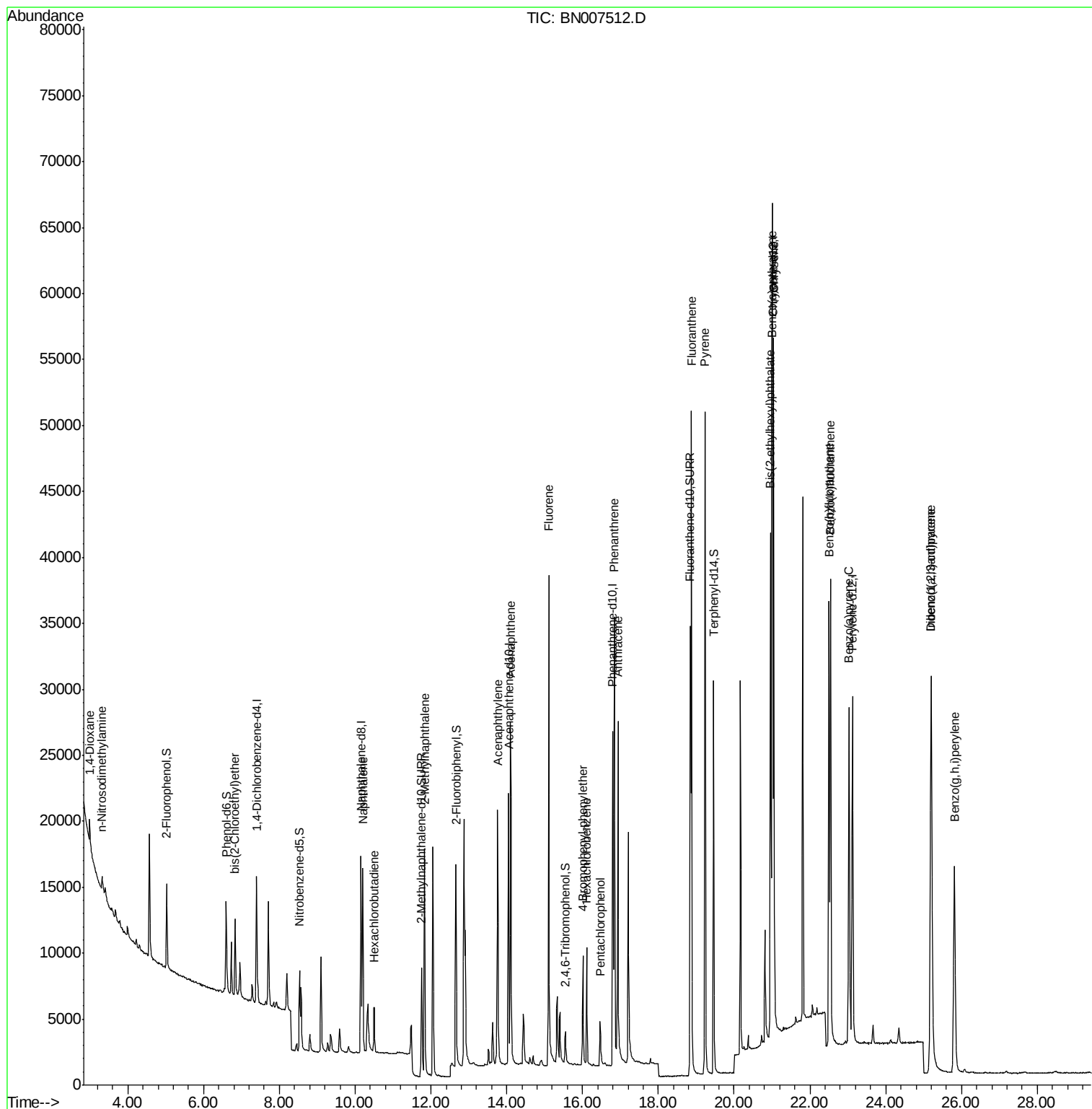
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.00  | 88   | 1926     | 0.243 | ng    | # 84   |
| 3) n-Nitrosodimethylamine      | 3.32  | 42   | 841      | 0.228 | ng    | # 57   |
| 6) bis(2-Chloroethyl)ether     | 6.83  | 93   | 5439     | 0.315 | ng    | 97     |
| 9) Naphthalene                 | 10.20 | 128  | 19626    | 0.326 | ng    | # 90   |
| 10) Hexachlorobutadiene        | 10.51 | 225  | 3304     | 0.268 | ng    | # 100  |
| 12) 2-Methylnaphthalene        | 11.83 | 142  | 13916    | 0.339 | ng    | 95     |
| 16) Acenaphthylene             | 13.76 | 152  | 23559    | 0.294 | ng    | 99     |
| 17) Acenaphthene               | 14.10 | 154  | 14806    | 0.316 | ng    | 98     |
| 18) Fluorene                   | 15.10 | 166  | 19741    | 0.333 | ng    | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248  | 3611     | 0.252 | ng    | 95     |
| 21) Hexachlorobenzene          | 16.11 | 284  | 7675     | 0.316 | ng    | 95     |
| 22) Pentachlorophenol          | 16.46 | 266  | 2401     | 0.318 | ng    | # 65   |
| 23) Phenanthrene               | 16.84 | 178  | 35802    | 0.328 | ng    | 99     |
| 24) Anthracene                 | 16.93 | 178  | 33802    | 0.308 | ng    | 99     |
| 26) Fluoranthene               | 18.87 | 202  | 48931    | 0.349 | ng    | 99     |
| 28) Pyrene                     | 19.23 | 202  | 49943    | 0.320 | ng    | 99     |
| 30) Benzo(a)anthracene         | 20.99 | 228  | 46107    | 0.303 | ng    | 98     |
| 31) Chrysene                   | 21.05 | 228  | 46704    | 0.318 | ng    | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 20.96 | 149  | 27172    | 0.257 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.19 | 276  | 40861    | 0.231 | ng    | 97     |
| 35) Benzo(b)fluoranthene       | 22.50 | 252  | 41393    | 0.328 | ng    | 96     |
| 36) Benzo(k)fluoranthene       | 22.54 | 252  | 43495    | 0.349 | ng    | 97     |
| 37) Benzo(a)pyrene             | 23.03 | 252  | 38999    | 0.325 | ng    | 97     |
| 38) Dibenzo(a,h)anthracene     | 25.21 | 278  | 32735    | 0.273 | ng    | 99     |
| 39) Benzo(g,h,i)perylene       | 25.81 | 276  | 34282    | 0.287 | ng    | 100    |

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

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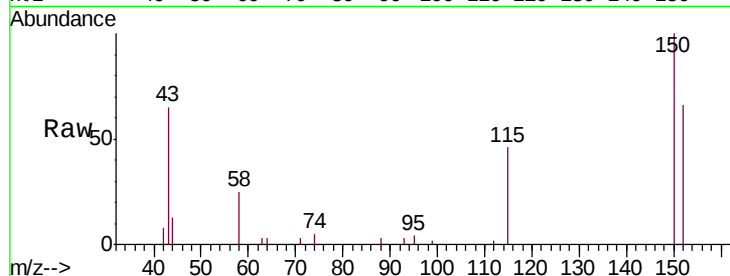


#1

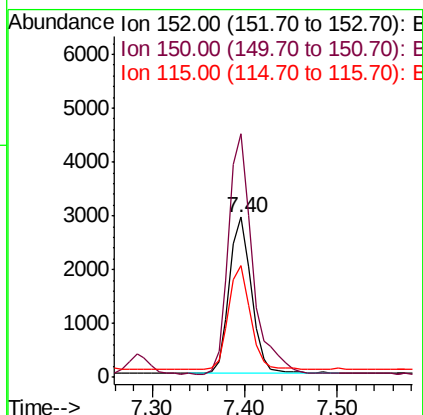
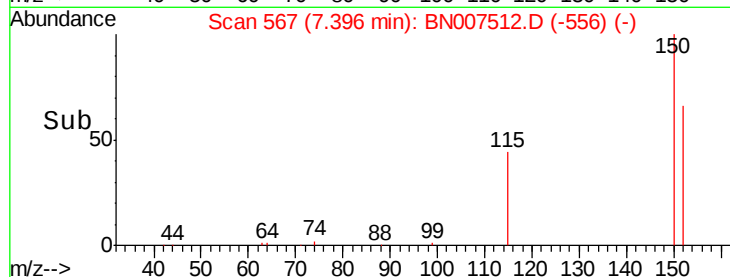
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.40 min Scan# 567  
Delta R.T. -0.01 min  
Lab File: BN007512.D  
Acq: 29 Aug 2019 21:06

Instrument :  
BNA\_N  
ClientSampleId :  
PB122289BS

Tgt Ion: 152 Resp: 4780  
Ion Ratio Lower Upper  
152 100  
150 152.1 109.1 163.7  
115 69.8 59.6 89.4



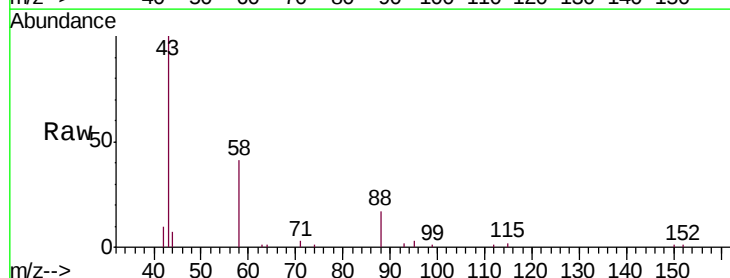
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



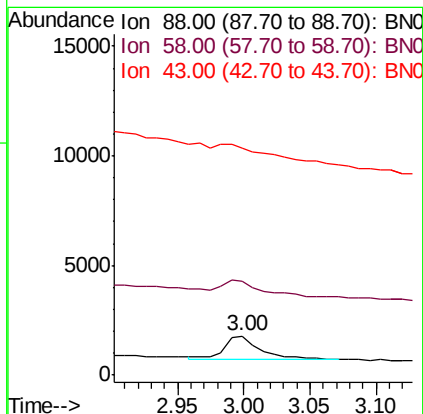
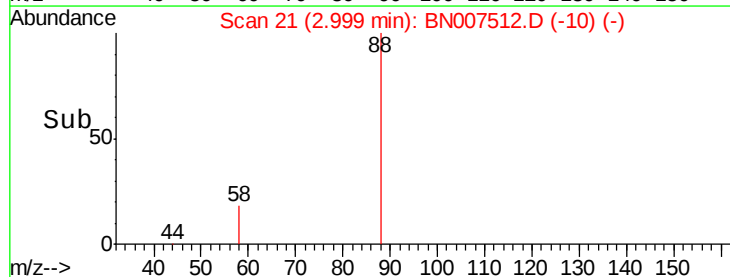
#2

1,4-Dioxane  
Concen: 0.243 ng  
RT: 3.00 min Scan# 21  
Delta R.T. -0.01 min  
Lab File: BN007512.D  
Acq: 29 Aug 2019 21:06

Tgt Ion: 88 Resp: 1926  
Ion Ratio Lower Upper  
88 100  
58 75.7 50.5 75.7  
43 0.0 0.0 0.0



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: 0.228 ng

RT: 3.32 min Scan# 61

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

Instrument :

BNA\_N

ClientSampleId :

PB122289BS

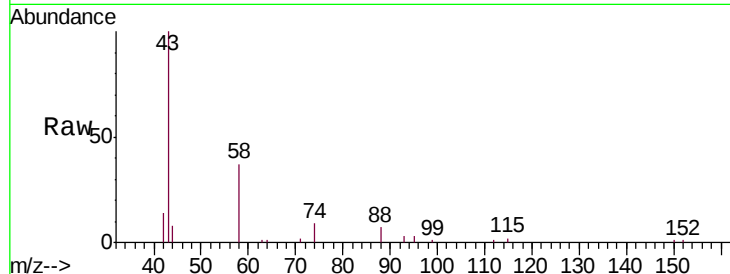
Tgt Ion: 42 Resp: 841

Ion Ratio Lower Upper

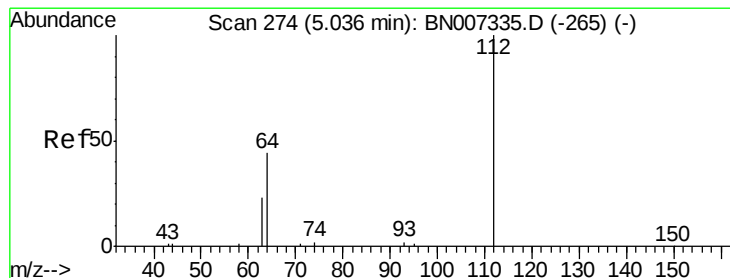
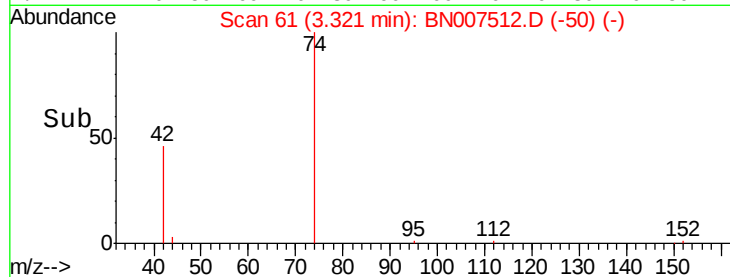
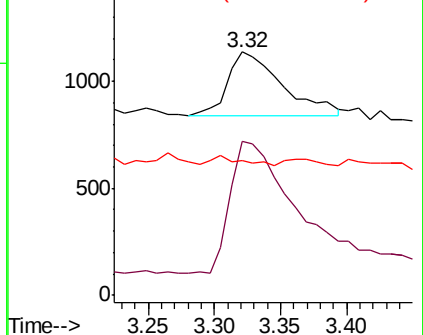
42 100

74 243.3 144.7 217.1#

44 7.4 3.2 4.8#



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



#4

2-Fluorophenol

Concen: 0.335 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

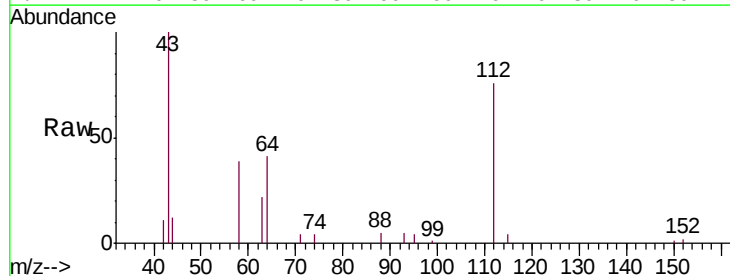
Tgt Ion: 112 Resp: 5628

Ion Ratio Lower Upper

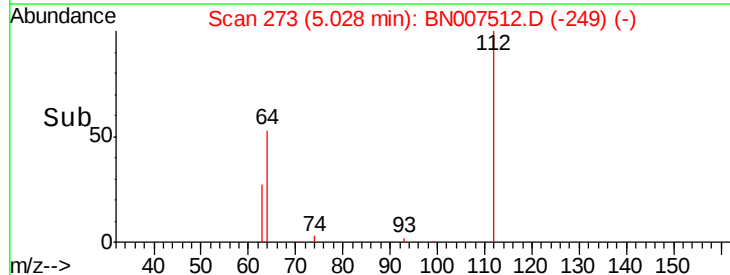
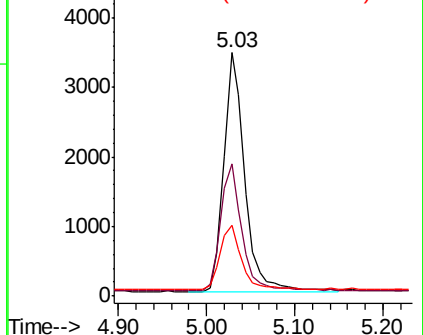
112 100

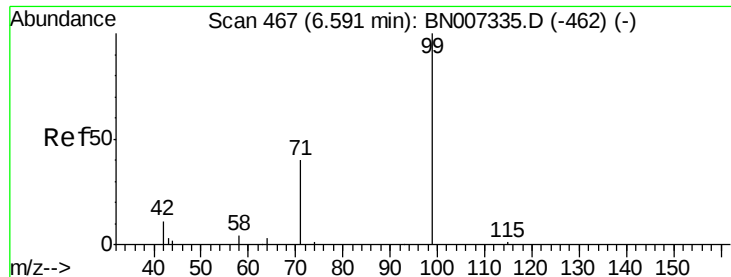
64 54.5 42.3 63.5

63 27.2 23.6 35.4



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





#5

Phenol-d6

Concen: 0.378 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

Instrument :

BNA\_N

ClientSampleId :

PB122289BS

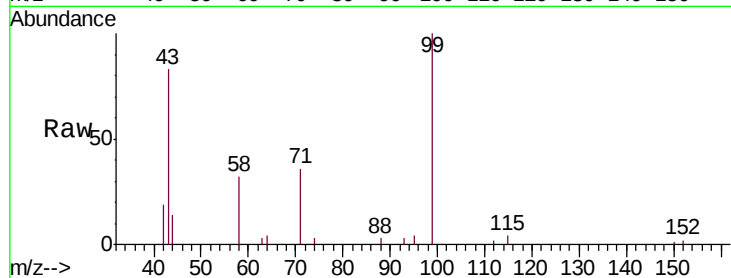
Tgt Ion: 99 Resp: 8009

Ion Ratio Lower Upper

99 100

42 10.7 11.2 16.8#

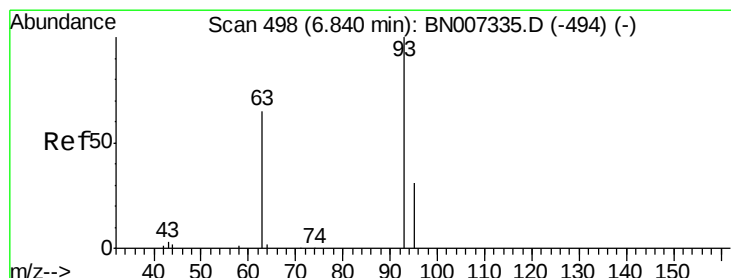
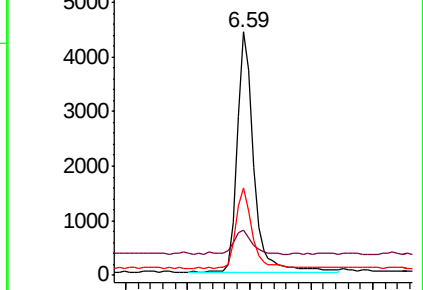
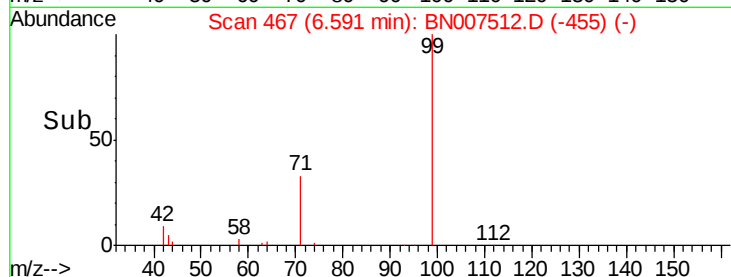
71 32.2 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007512.D (-455) (-)

Ion 42.00 (41.70 to 42.70): BN007512.D (-455) (-)

Ion 71.00 (70.70 to 71.70): BN007512.D (-455) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.315 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

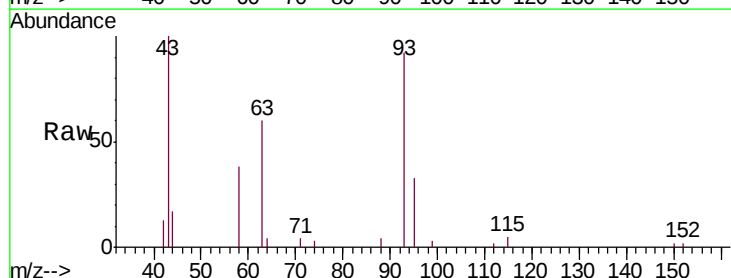
Tgt Ion: 93 Resp: 5439

Ion Ratio Lower Upper

93 100

63 62.9 51.9 77.9

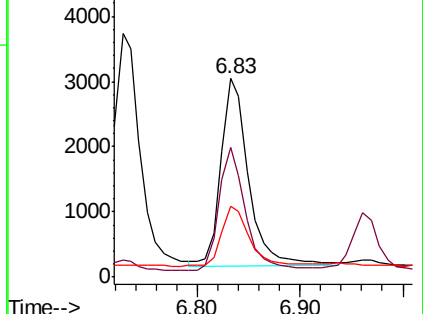
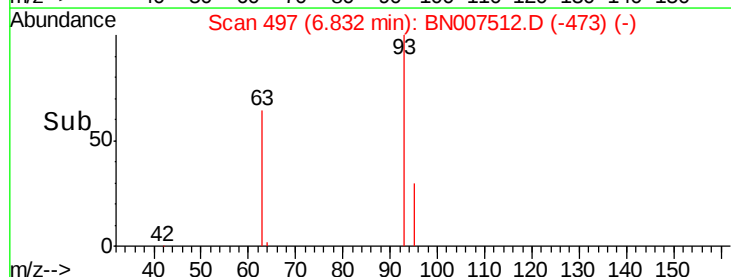
95 31.9 27.7 41.5



Abundance Ion 93.00 (92.70 to 93.70): BN007512.D (-473) (-)

Ion 63.00 (62.70 to 63.70): BN007512.D (-473) (-)

Ion 95.00 (94.70 to 95.70): BN007512.D (-473) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

Instrument :

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ClientSampleId :

PB122289BS

Tgt Ion:136 Resp: 21083

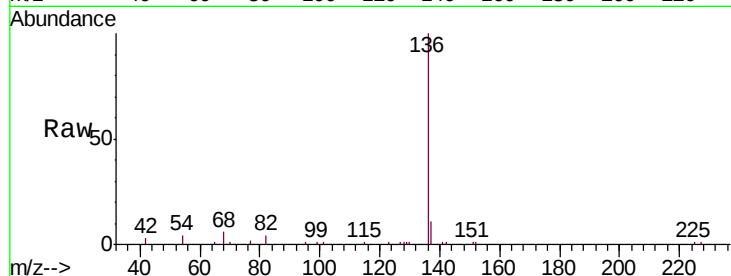
Ion Ratio Lower Upper

136 100

137 11.3 12.9 19.3#

54 4.3 8.6 12.8#

68 6.0 17.0 25.4#

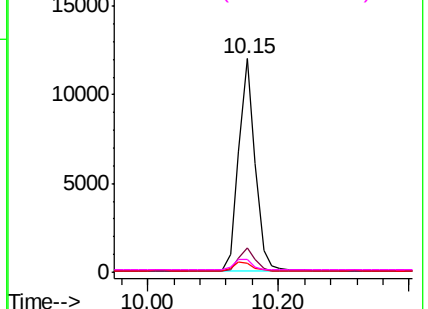
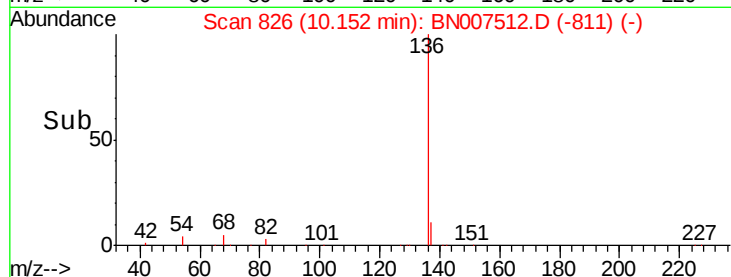


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.322 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

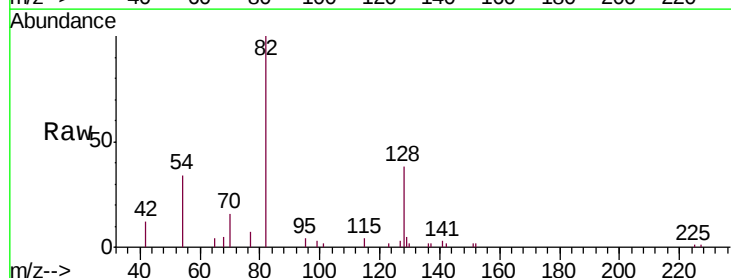
Tgt Ion: 82 Resp: 5901

Ion Ratio Lower Upper

82 100

128 38.4 19.7 29.5#

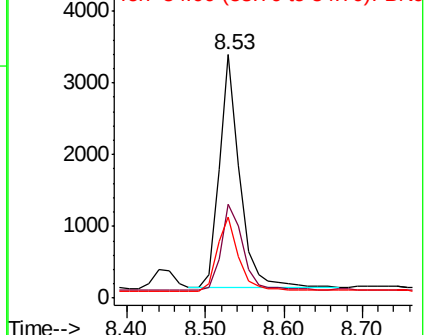
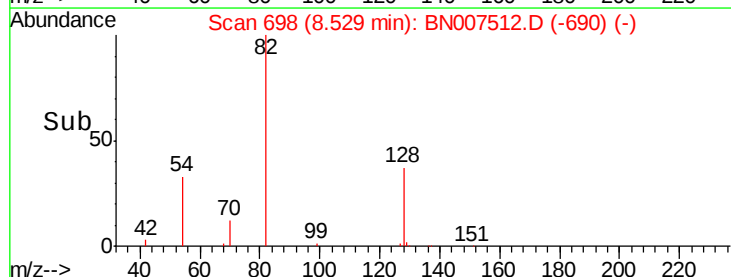
54 33.5 25.8 38.6



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.326 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

Instrument :

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ClientSampleId :

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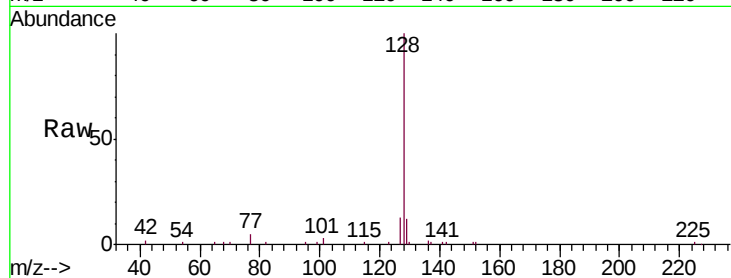
Tgt Ion:128 Resp: 19626

Ion Ratio Lower Upper

128 100

129 11.7 11.1 16.7

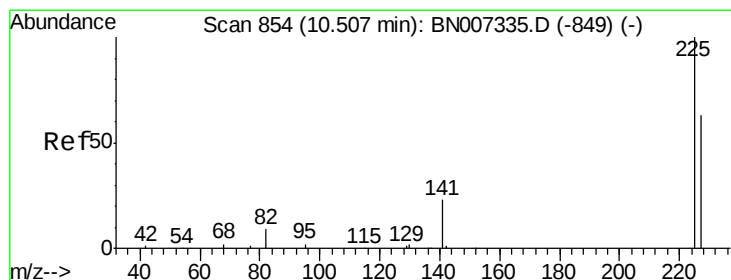
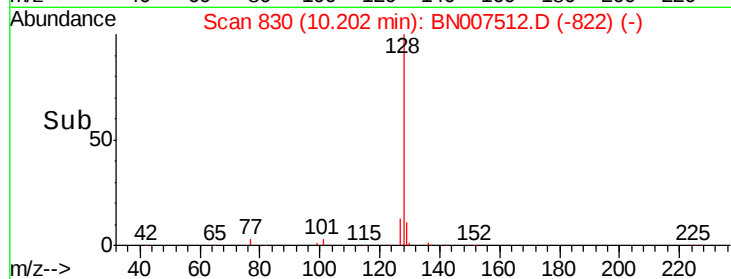
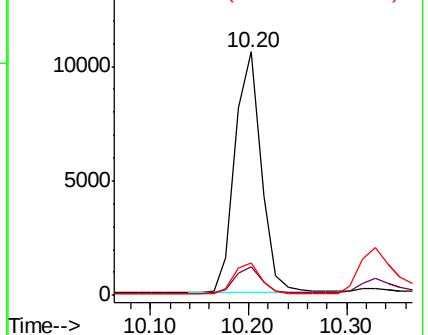
127 13.4 15.5 23.3#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.268 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.00 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

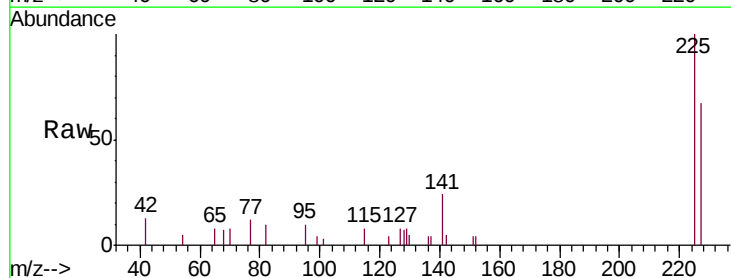
Tgt Ion:225 Resp: 3304

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

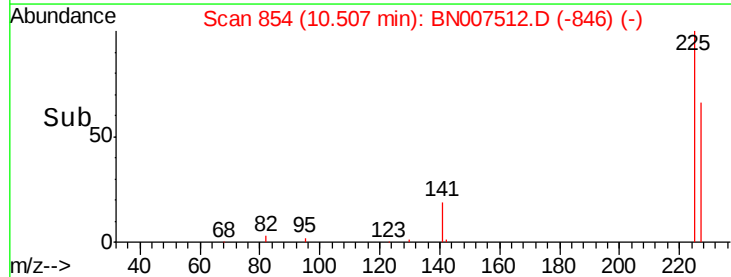
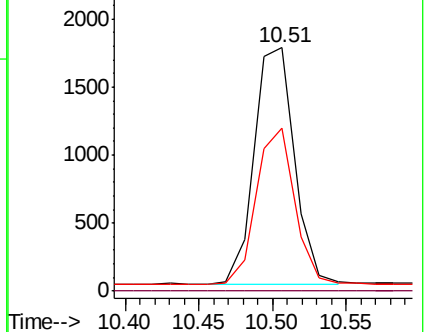
227 63.0 50.7 76.1



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: 0.400 ng

RT: 11.75 min Scan# 988

Delta R.T. -0.01 min

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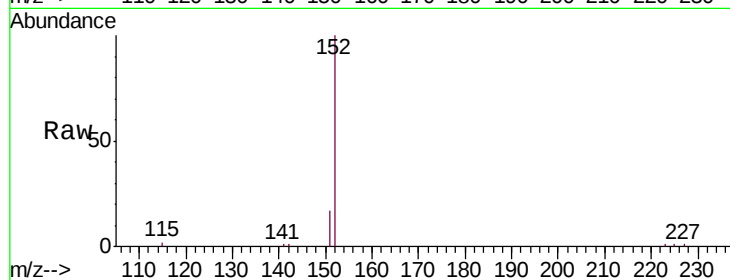
PB122289BS

Tgt Ion:152 Resp: 14029

Ion Ratio Lower Upper

152 100

151 17.2 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.75

8000

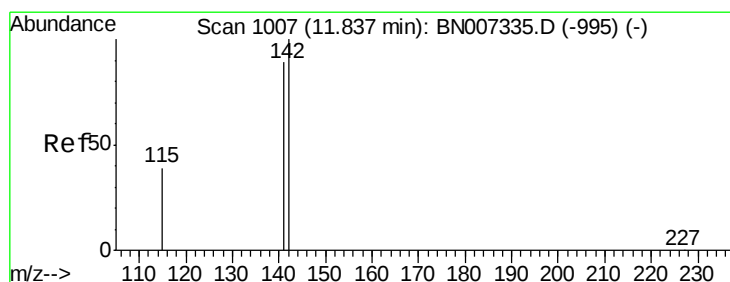
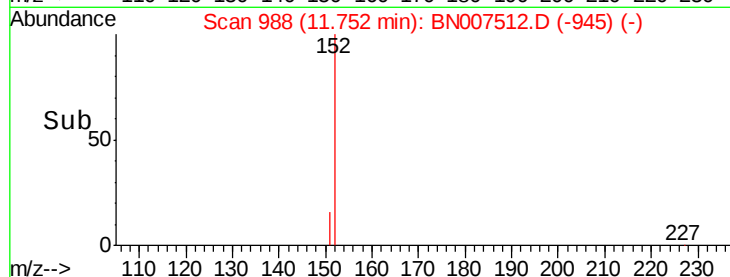
6000

4000

2000

0

Time--> 11.60 11.80 12.00



#12

2-Methylnaphthalene

Concen: 0.339 ng

RT: 11.83 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

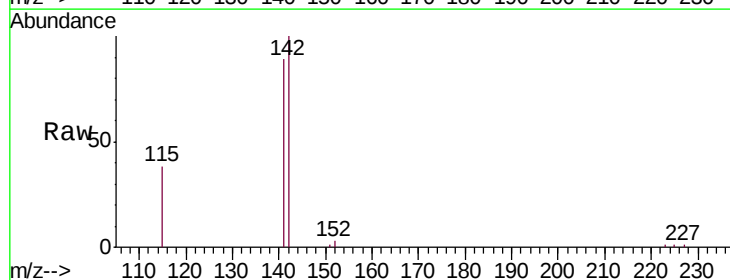
Tgt Ion:142 Resp: 13916

Ion Ratio Lower Upper

142 100

141 88.5 72.8 109.2

115 37.5 35.2 52.8



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

11.83

10000

8000

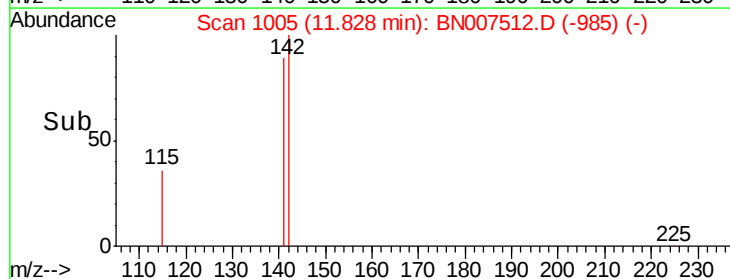
6000

4000

2000

0

Time--> 11.80 12.00





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

Instrument :

BNA\_N

ClientSampleId :

PB122289BS

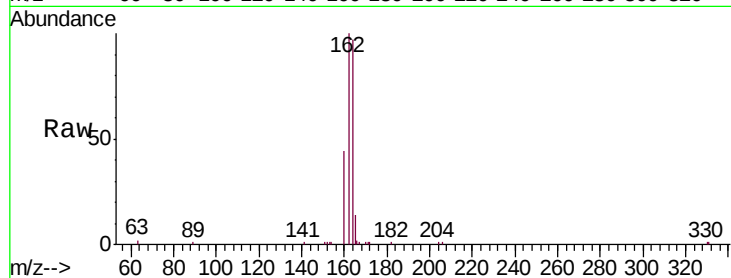
Tgt Ion:164 Resp: 13551

Ion Ratio Lower Upper

164 100

162 102.8 83.5 125.3

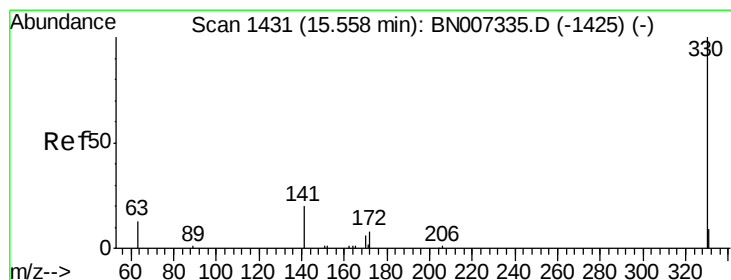
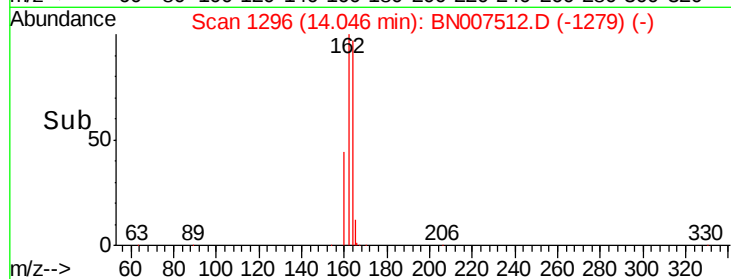
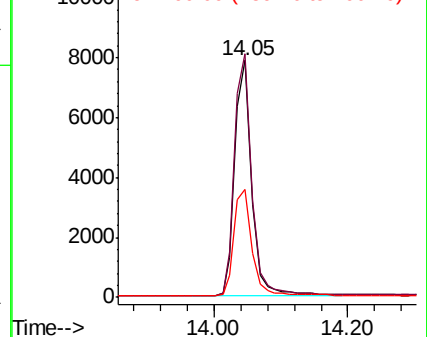
160 45.7 38.2 57.4



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: 0.359 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

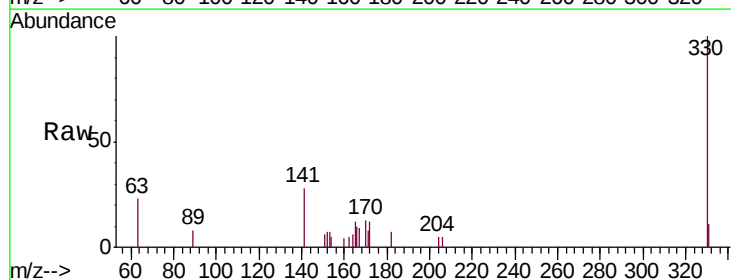
Tgt Ion:330 Resp: 2546

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

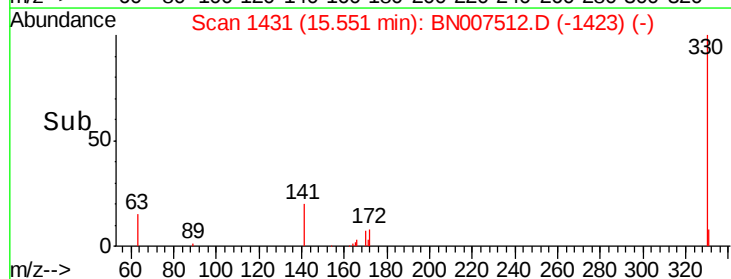
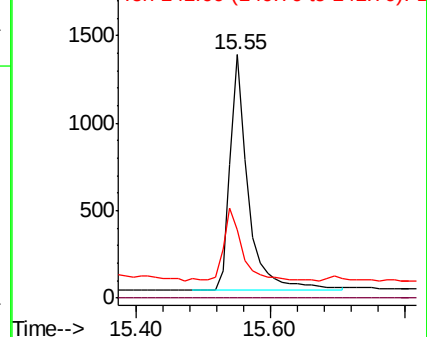
141 30.7 26.9 40.3



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

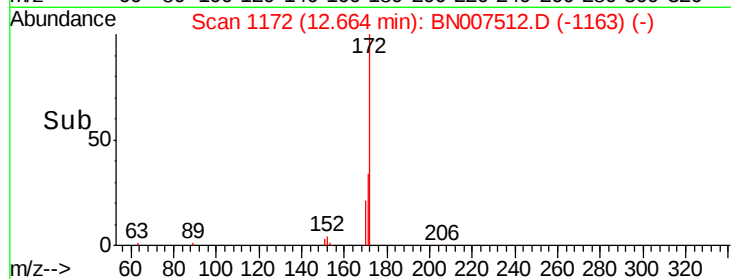
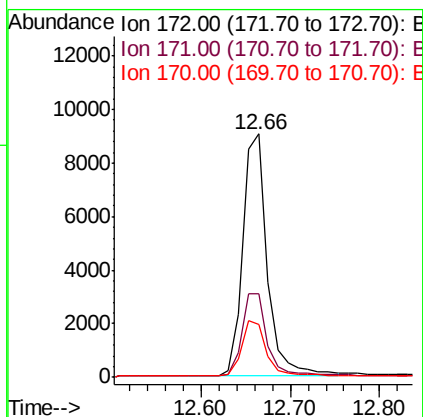
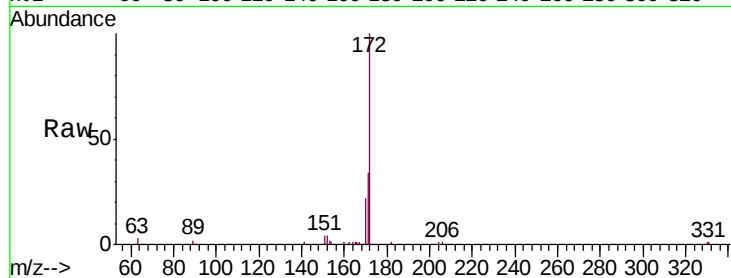




#15  
2-Fluorobiphenyl  
Concen: 0.318 ng  
RT: 12.66 min Scan# 1172  
Delta R.T. 0.01 min  
Lab File: BN007512.D  
Acq: 29 Aug 2019 21:06

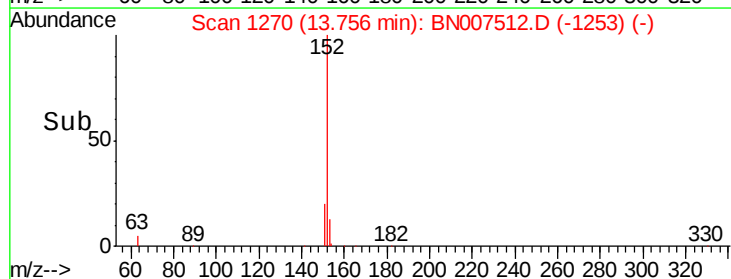
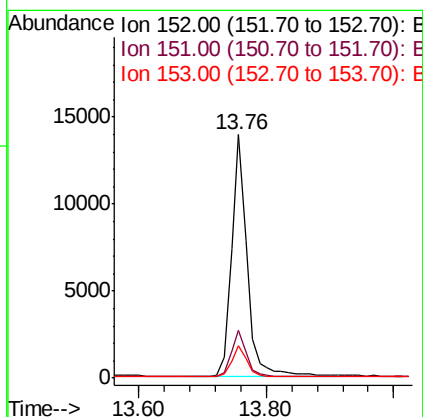
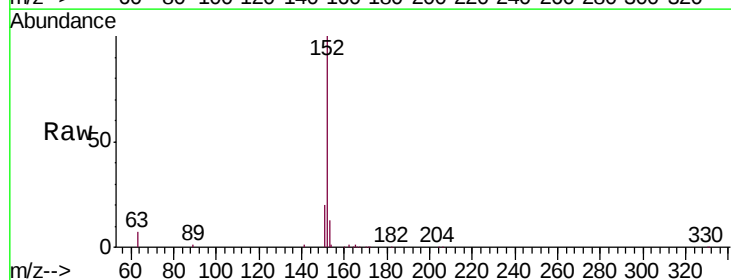
Instrument :  
BNA\_N  
ClientSampleId :  
PB122289BS

Tgt Ion:172 Resp: 17358  
Ion Ratio Lower Upper  
172 100  
171 34.1 30.3 45.5  
170 21.7 20.7 31.1



#16  
Acenaphthylene  
Concen: 0.294 ng  
RT: 13.76 min Scan# 1270  
Delta R.T. -0.01 min  
Lab File: BN007512.D  
Acq: 29 Aug 2019 21:06

Tgt Ion:152 Resp: 23559  
Ion Ratio Lower Upper  
152 100  
151 19.6 16.1 24.1  
153 13.1 10.6 15.8





#17

Acenaphthene

Concen: 0.316 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

Instrument :

BNA\_N

ClientSampleId :

PB122289BS

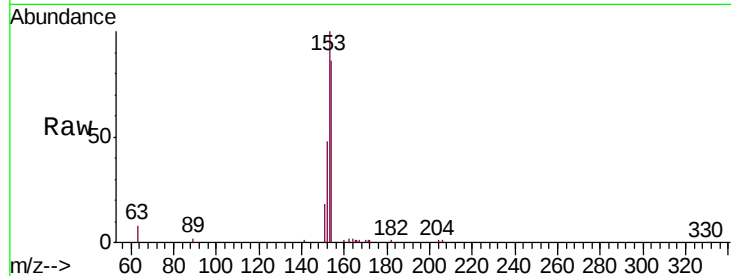
Tgt Ion:154 Resp: 14806

Ion Ratio Lower Upper

154 100

153 113.3 92.8 139.2

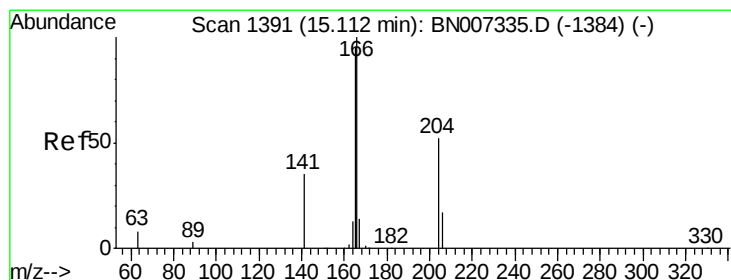
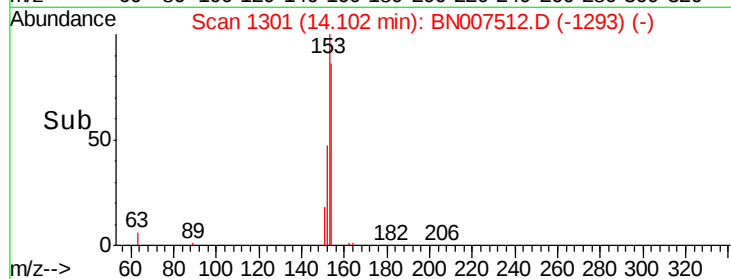
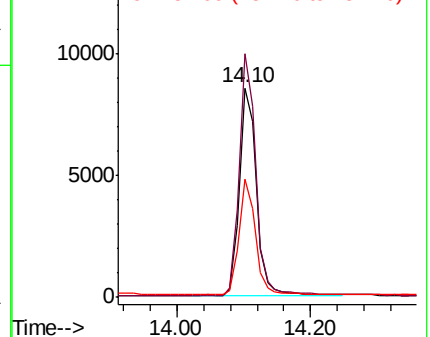
152 53.0 43.8 65.8



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: 0.333 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

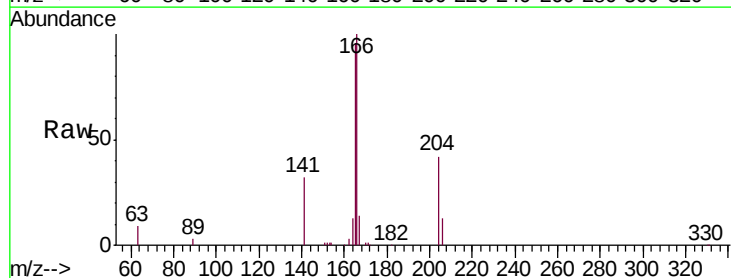
Tgt Ion:166 Resp: 19741

Ion Ratio Lower Upper

166 100

165 97.7 79.0 118.4

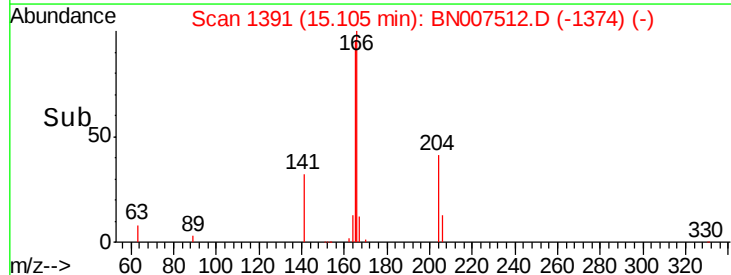
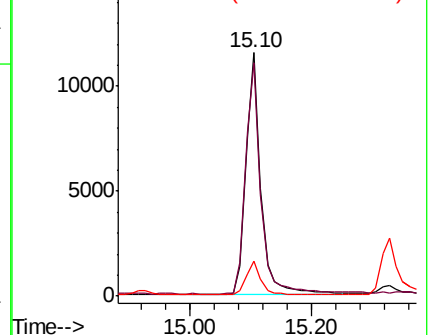
167 13.6 10.6 15.8



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: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

Instrument :

BNA\_N

ClientSampleId :

PB122289BS

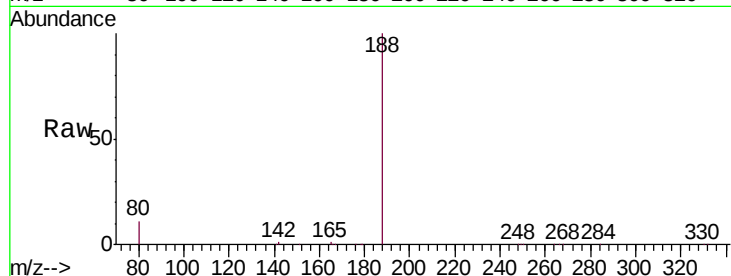
Tgt Ion:188 Resp: 36266

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

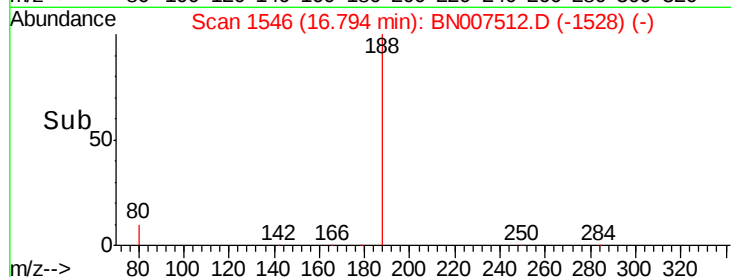
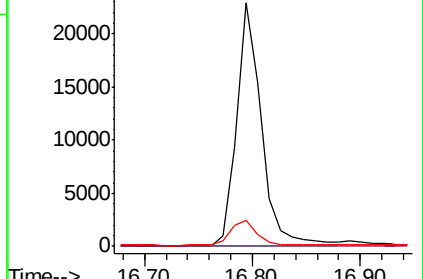
80 10.8 11.8 17.8#



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: 0.252 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

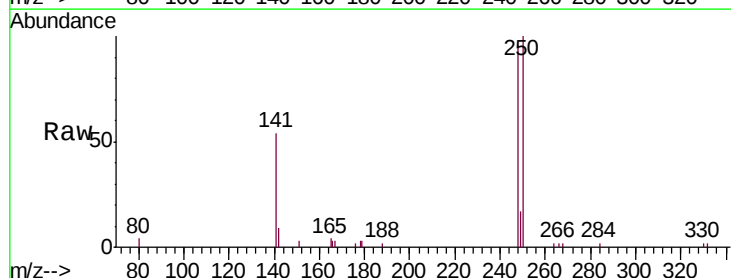
Tgt Ion:248 Resp: 3611

Ion Ratio Lower Upper

248 100

250 104.1 85.0 127.6

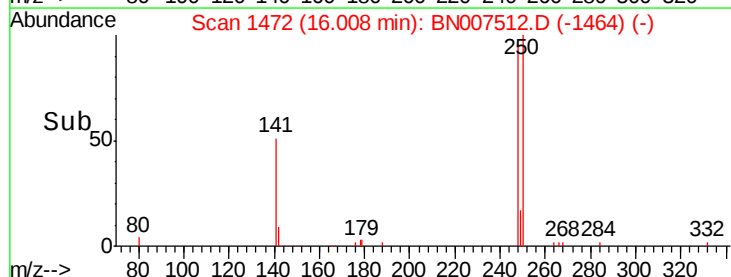
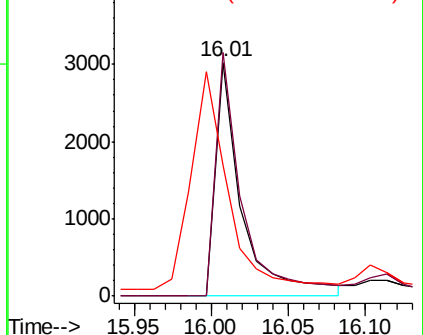
141 56.1 51.7 77.5



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

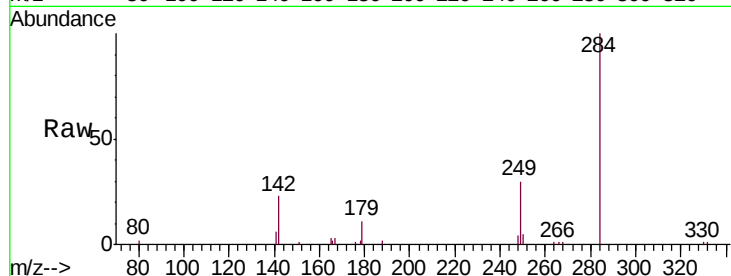




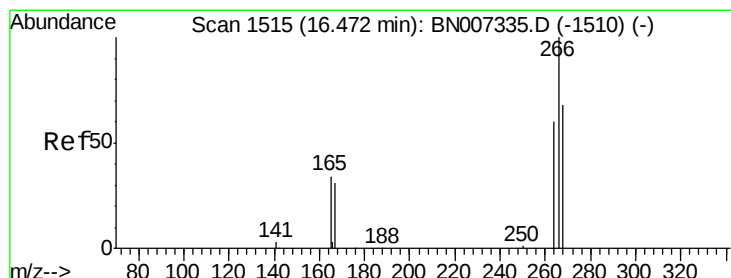
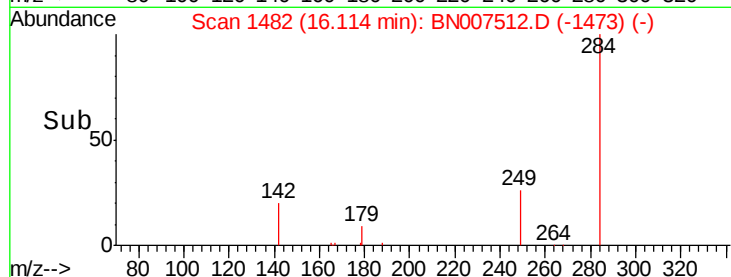
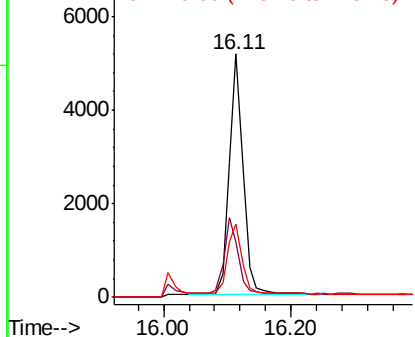
#21  
Hexachlorobenzene  
Concen: 0.316 ng  
RT: 16.11 min Scan# 1482  
Delta R.T. -0.01 min  
Lab File: BN007512.D  
Acq: 29 Aug 2019 21:06

Instrument :  
BNA\_N  
ClientSampleId :  
PB122289BS

Tgt Ion:284 Resp: 7675  
Ion Ratio Lower Upper  
284 100  
142 31.3 29.0 43.6  
249 30.5 24.9 37.3

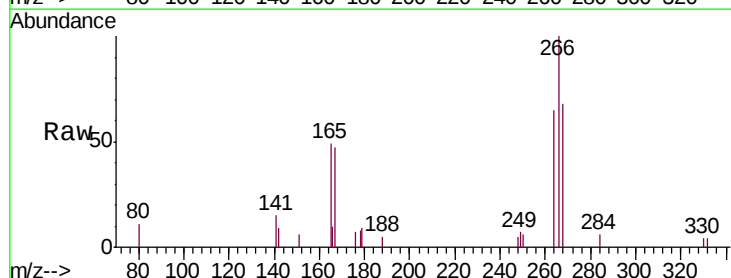


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

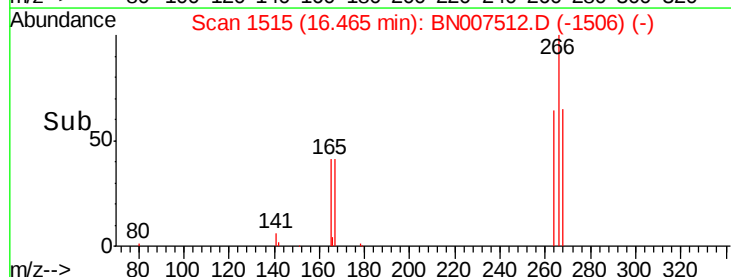
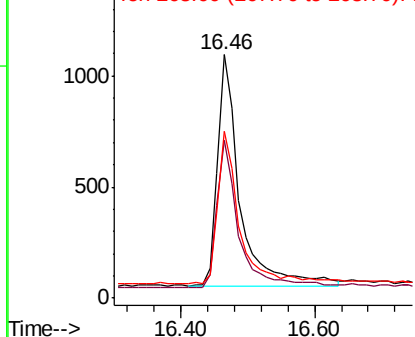


#22  
Pentachlorophenol  
Concen: 0.318 ng  
RT: 16.46 min Scan# 1515  
Delta R.T. -0.01 min  
Lab File: BN007512.D  
Acq: 29 Aug 2019 21:06

Tgt Ion:266 Resp: 2401  
Ion Ratio Lower Upper  
266 100  
264 64.7 57.8 86.8  
268 68.4 99.7 149.5#



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: 0.328 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

Instrument :

BNA\_N

ClientSampleId :

PB122289BS

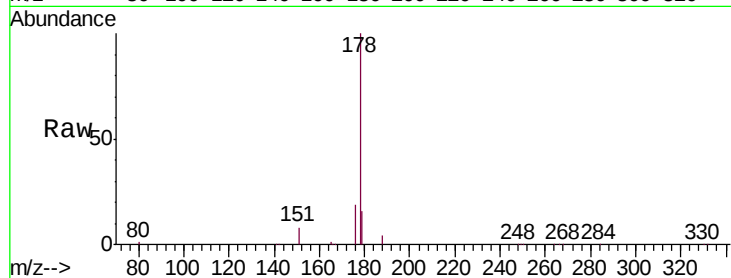
Tgt Ion:178 Resp: 35802

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

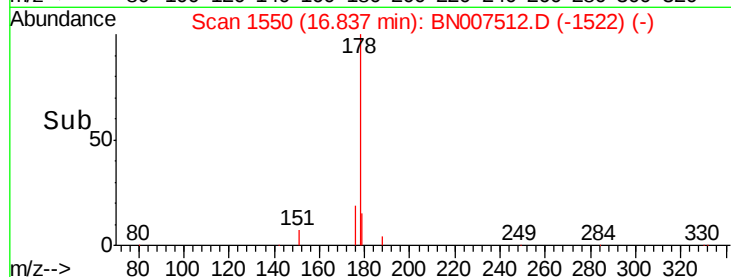
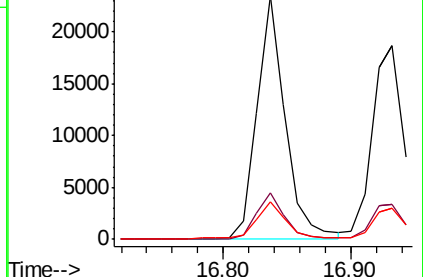
179 15.5 12.6 19.0



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: 0.308 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

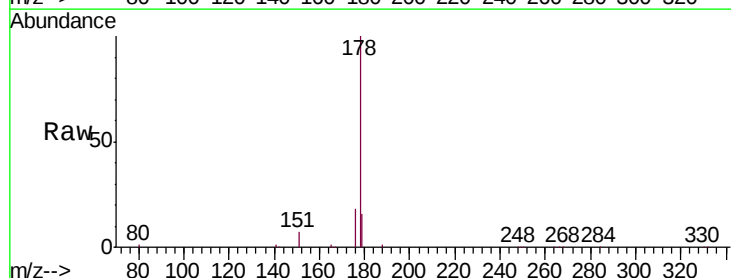
Tgt Ion:178 Resp: 33802

Ion Ratio Lower Upper

178 100

176 18.2 14.9 22.3

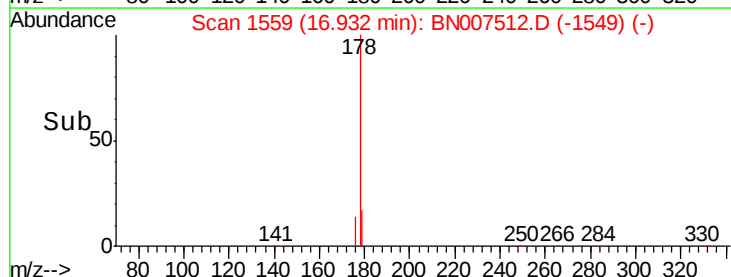
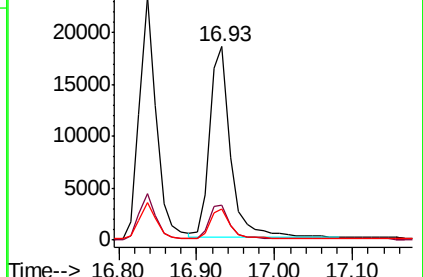
179 15.1 12.4 18.6

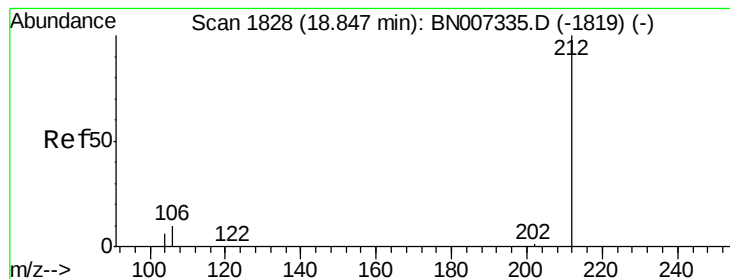


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.366 ng

RT: 18.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

Instrument :

BNA\_N

ClientSampleId :

PB122289BS

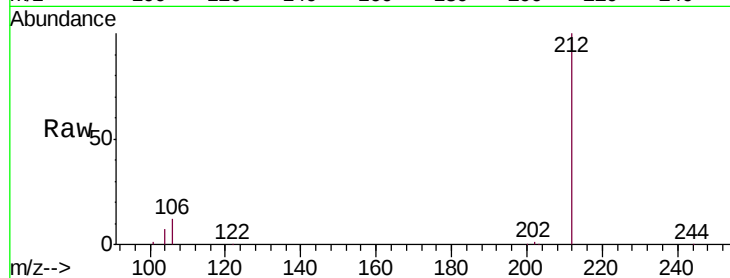
Tgt Ion:212 Resp: 42732

Ion Ratio Lower Upper

212 100

106 12.7 9.0 13.4

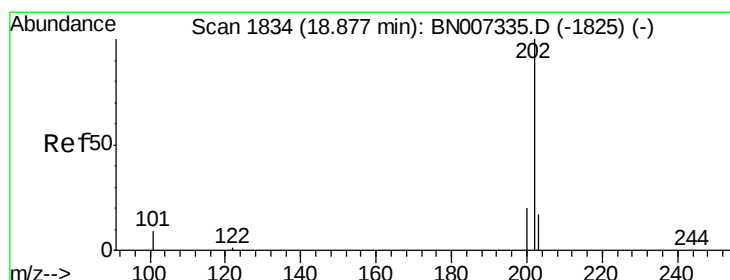
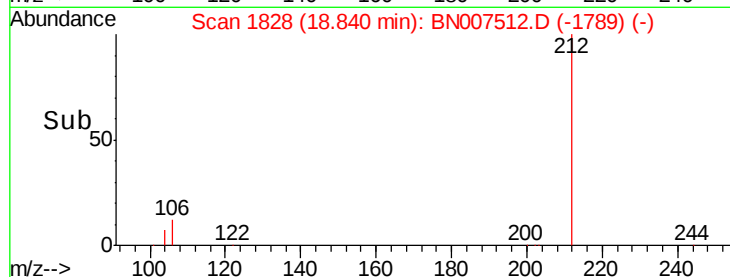
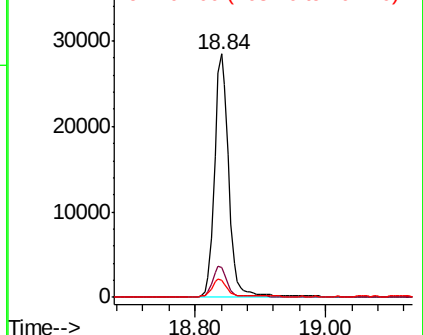
104 7.2 5.4 8.2



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: 0.349 ng

RT: 18.87 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

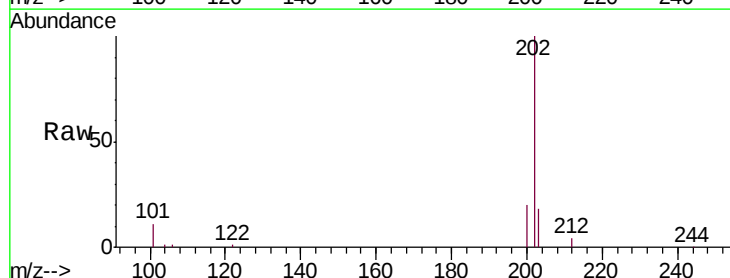
Tgt Ion:202 Resp: 48931

Ion Ratio Lower Upper

202 100

101 10.9 7.7 11.5

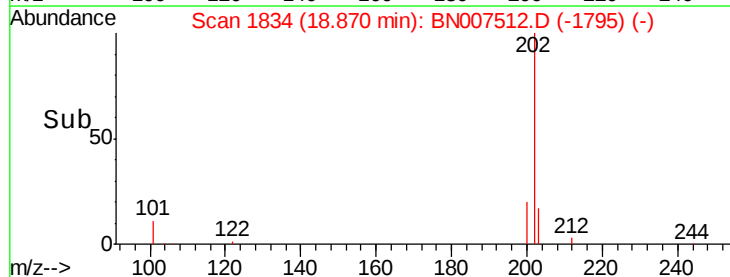
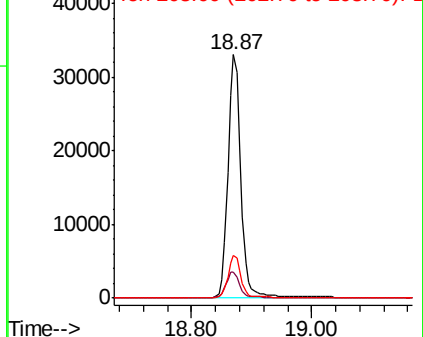
203 16.9 13.7 20.5

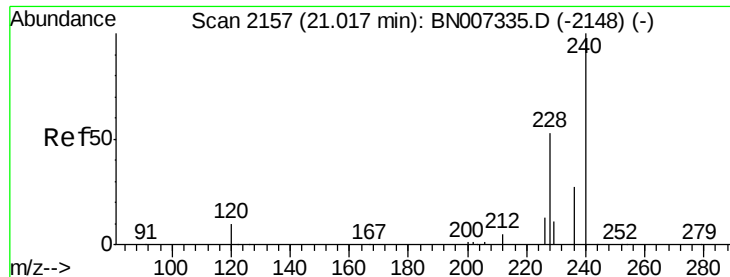


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

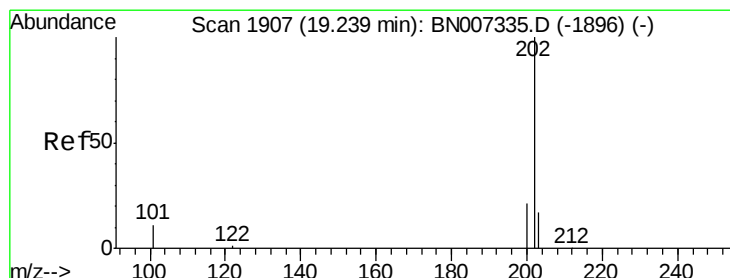
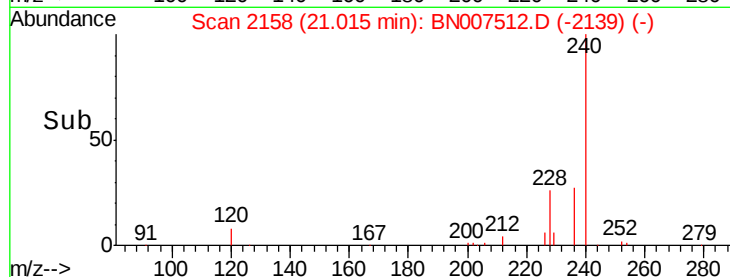
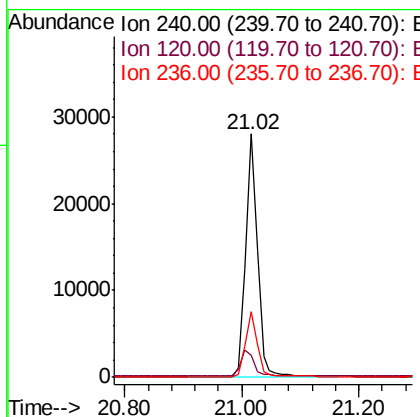
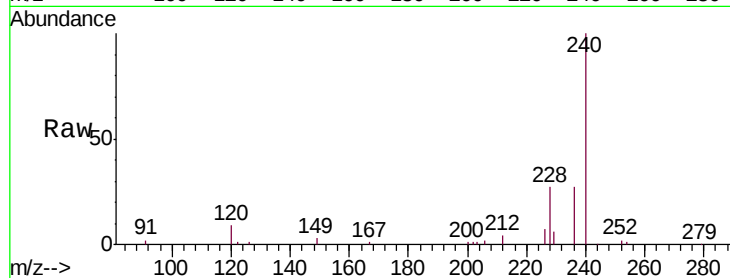




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.02 min Scan# 2158  
Delta R.T. -0.00 min  
Lab File: BN007512.D  
Acq: 29 Aug 2019 21:06

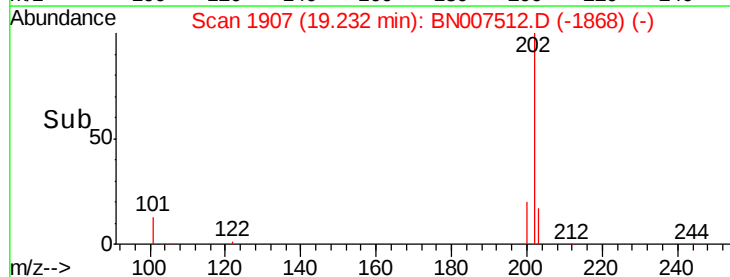
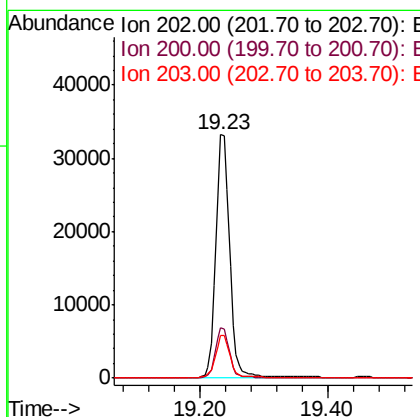
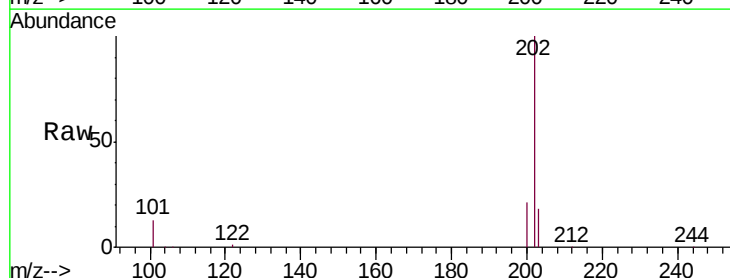
Instrument :  
BNA\_N  
ClientSampleId :  
PB122289BS

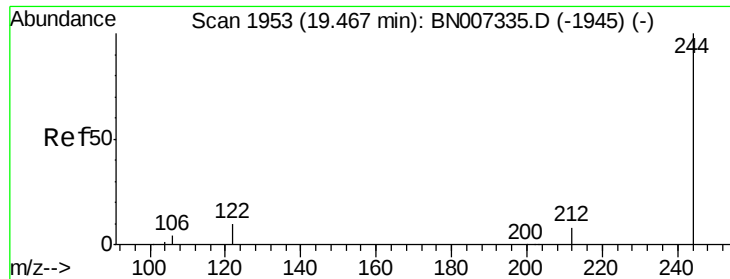
Tgt Ion:240 Resp: 38784  
Ion Ratio Lower Upper  
240 100  
120 9.1 9.6 14.4#  
236 26.9 22.2 33.2



#28  
Pyrene  
Concen: 0.320 ng  
RT: 19.23 min Scan# 1907  
Delta R.T. -0.01 min  
Lab File: BN007512.D  
Acq: 29 Aug 2019 21:06

Tgt Ion:202 Resp: 49943  
Ion Ratio Lower Upper  
202 100  
200 20.3 16.6 25.0  
203 17.8 14.2 21.4





#29

Terphenyl-d14

Concen: 0.326 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

Instrument :

BNA\_N

ClientSampleId :

PB122289BS

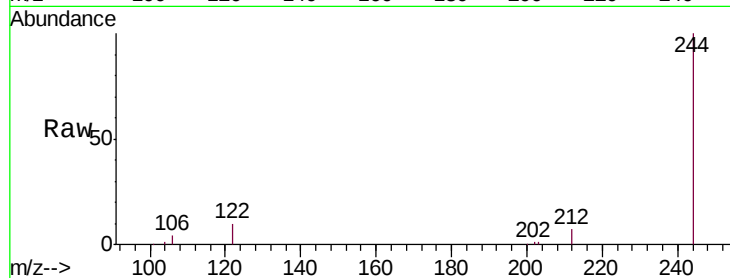
Tgt Ion:244 Resp: 33127

Ion Ratio Lower Upper

244 100

212 7.5 7.0 10.6

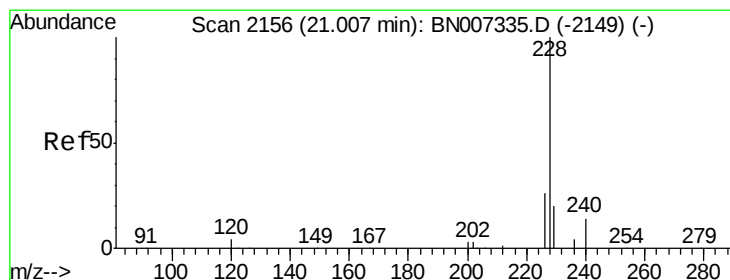
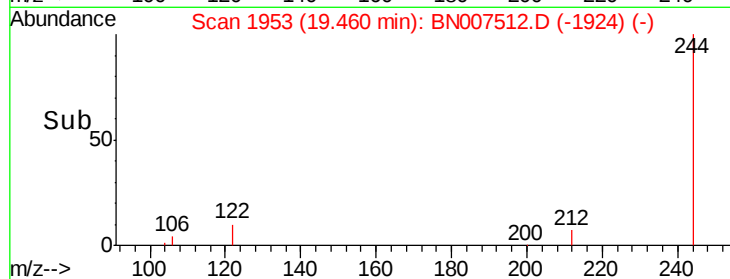
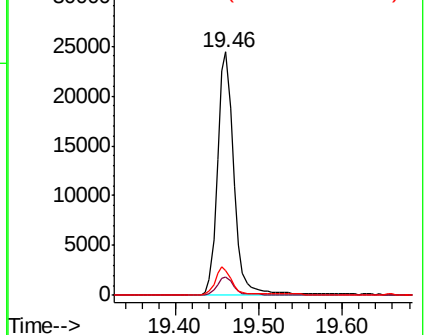
122 10.3 9.6 14.4



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: 0.303 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

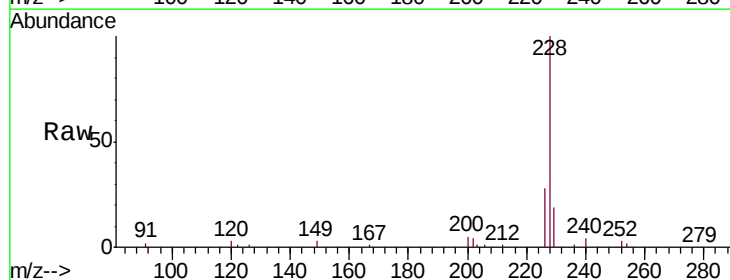
Tgt Ion:228 Resp: 46107

Ion Ratio Lower Upper

228 100

226 27.7 21.3 31.9

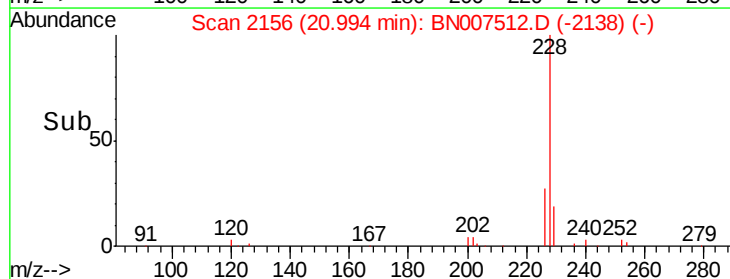
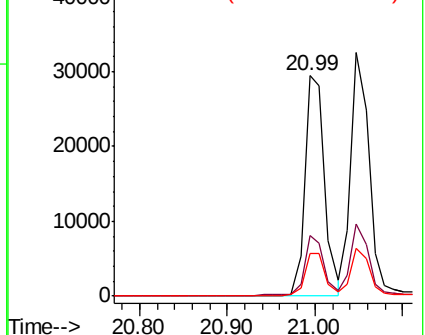
229 19.5 16.1 24.1



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: 0.318 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

Instrument :

BNA\_N

ClientSampleId :

PB122289BS

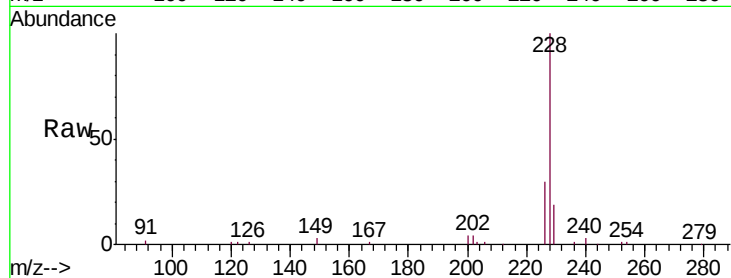
Tgt Ion:228 Resp: 46704

Ion Ratio Lower Upper

228 100

226 29.8 23.5 35.3

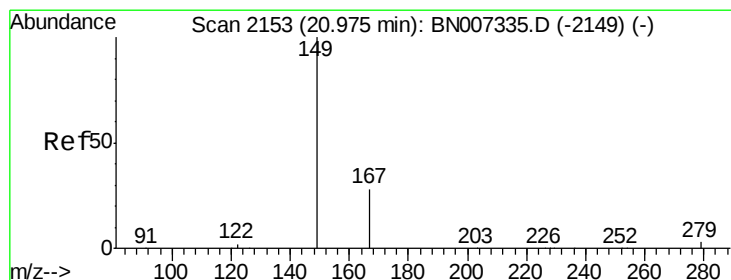
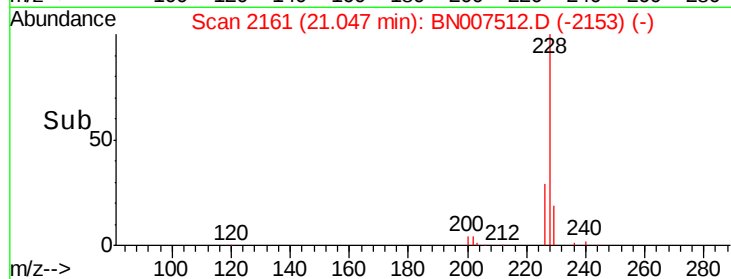
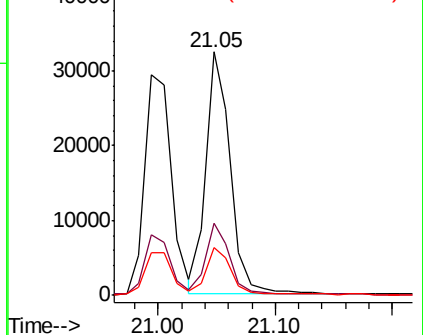
229 19.5 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.257 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

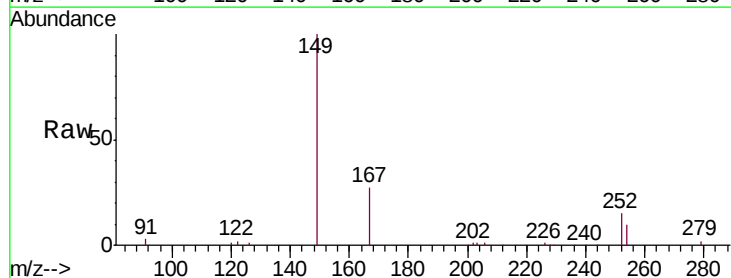
Tgt Ion:149 Resp: 27172

Ion Ratio Lower Upper

149 100

167 28.2 22.8 34.2

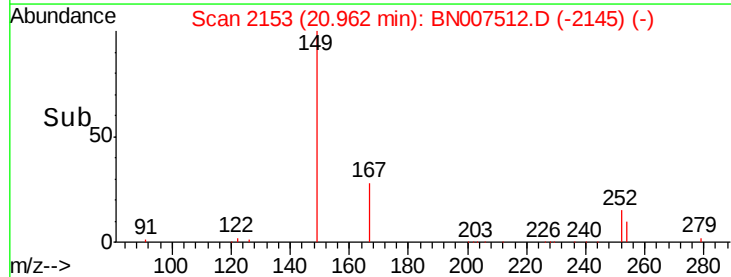
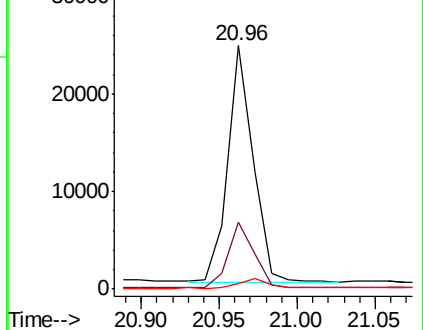
279 4.3 3.5 5.3

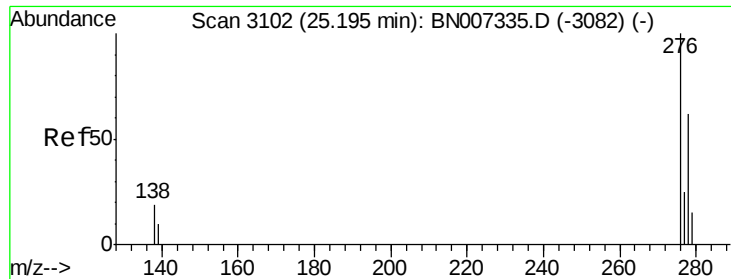


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.231 ng

RT: 25.19 min Scan# 3103

Delta R.T. -0.00 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

Instrument :

BNA\_N

ClientSampleId :

PB122289BS

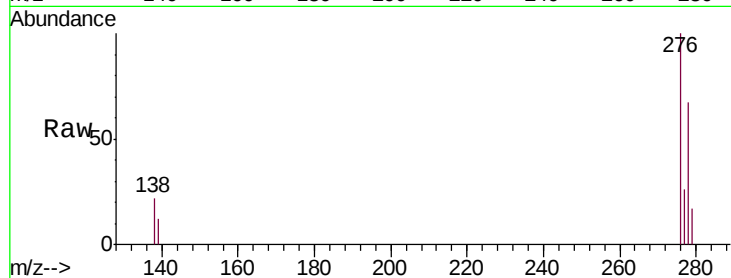
Tgt Ion:276 Resp: 40861

Ion Ratio Lower Upper

276 100

138 21.7 15.1 22.7

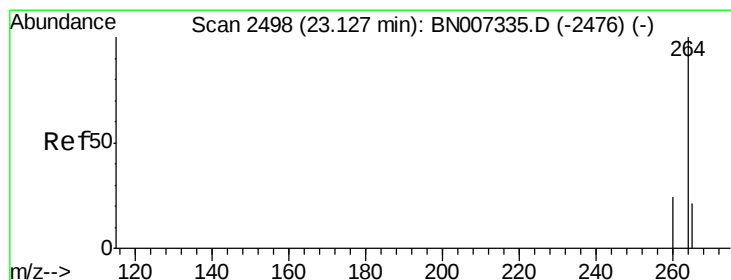
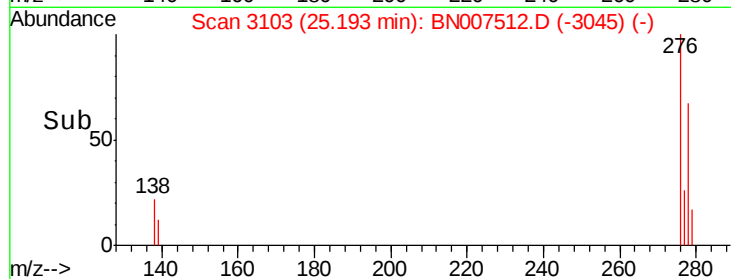
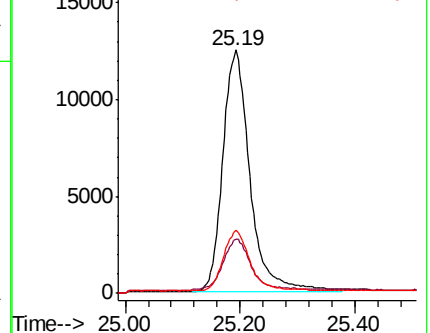
277 24.0 19.7 29.5



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: 23.12 min Scan# 2498

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

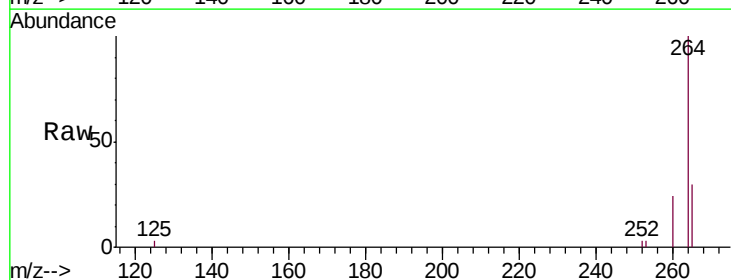
Tgt Ion:264 Resp: 34852

Ion Ratio Lower Upper

264 100

260 24.4 19.7 29.5

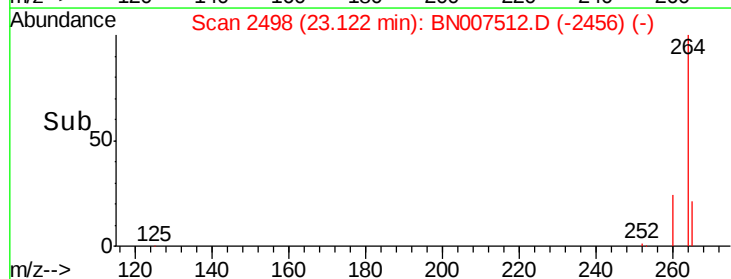
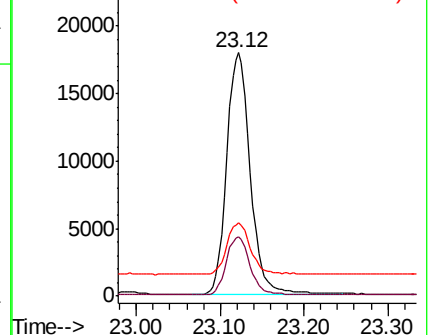
265 30.1 29.9 44.9



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

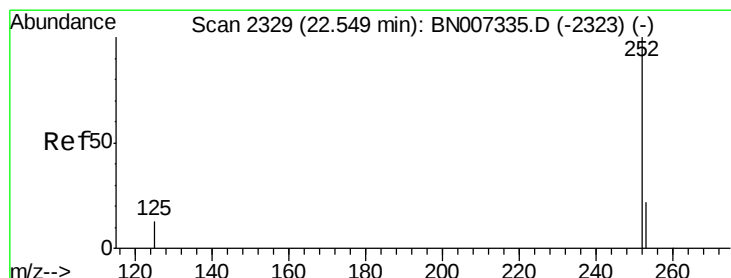
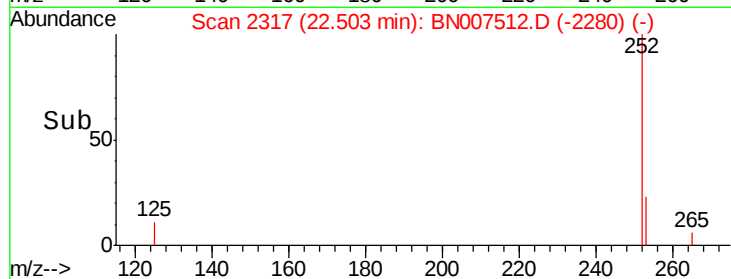
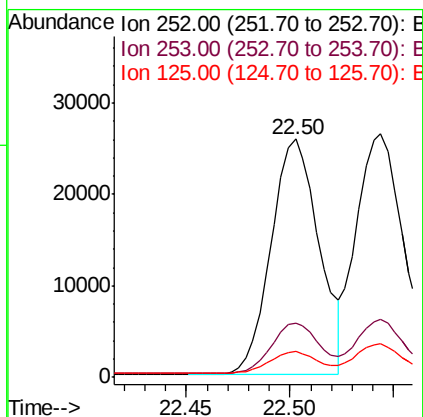
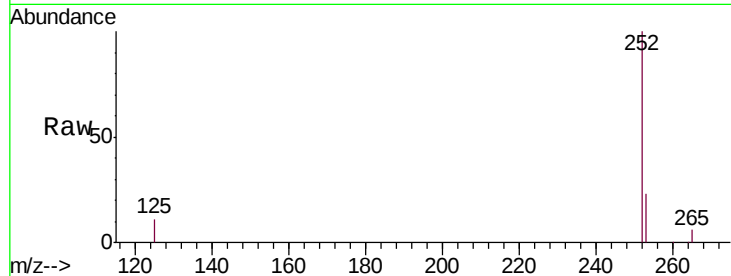




#35  
Benzo(b)fluoranthene  
Concen: 0.328 ng  
RT: 22.50 min Scan# 2317  
Delta R.T. -0.01 min  
Lab File: BN007512.D  
Acq: 29 Aug 2019 21:06

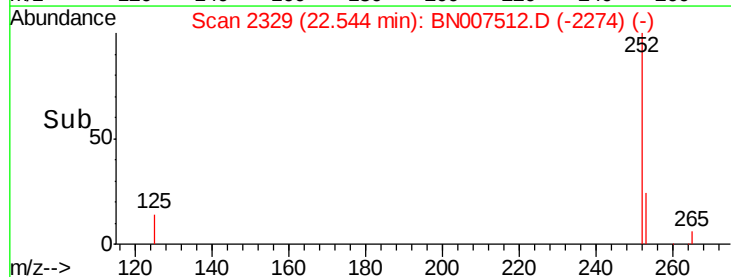
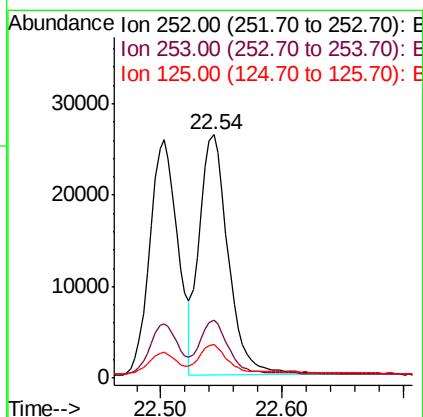
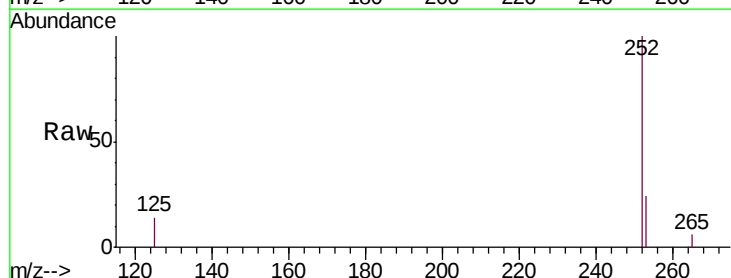
Instrument :  
BNA\_N  
ClientSampleId :  
PB122289BS

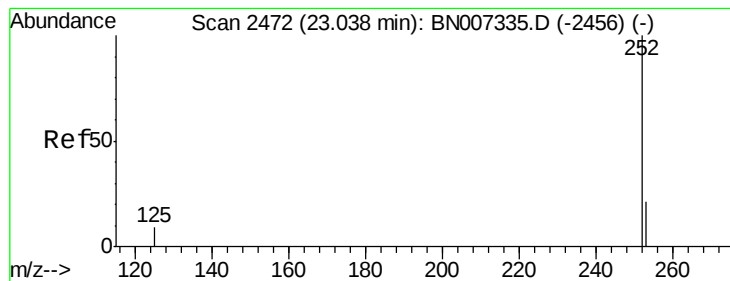
Tgt Ion:252 Resp: 41393  
Ion Ratio Lower Upper  
252 100  
253 23.0 19.2 28.8  
125 10.8 10.6 16.0



#36  
Benzo(k)fluoranthene  
Concen: 0.349 ng  
RT: 22.54 min Scan# 2329  
Delta R.T. -0.01 min  
Lab File: BN007512.D  
Acq: 29 Aug 2019 21:06

Tgt Ion:252 Resp: 43495  
Ion Ratio Lower Upper  
252 100  
253 23.7 19.4 29.2  
125 13.7 13.1 19.7





#37

Benzo(a)pyrene

Concen: 0.325 ng

RT: 23.03 min Scan# 2471

Delta R.T. -0.01 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

Instrument :

BNA\_N

ClientSampleId :

PB122289BS

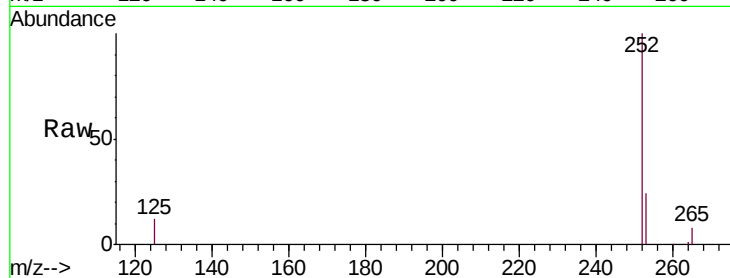
Tgt Ion:252 Resp: 38999

Ion Ratio Lower Upper

252 100

253 23.7 19.5 29.3

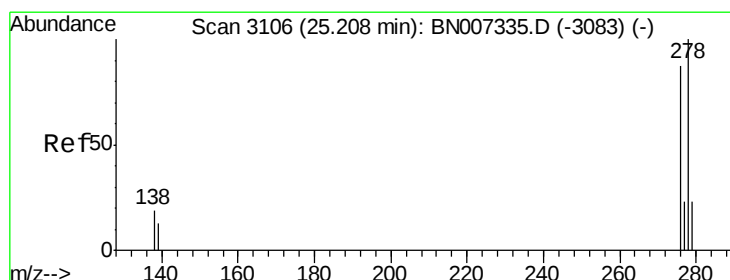
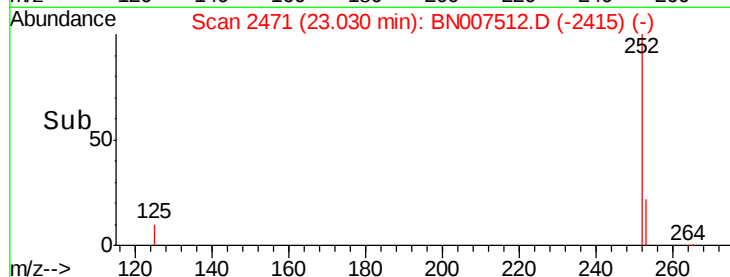
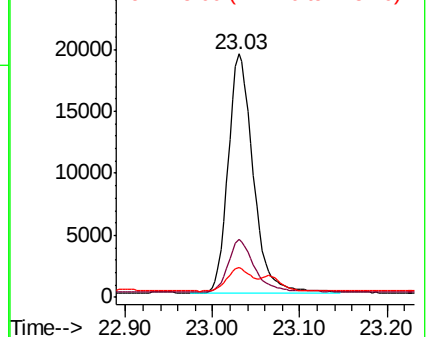
125 12.5 12.1 18.1



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: 0.273 ng

RT: 25.21 min Scan# 3107

Delta R.T. -0.00 min

Lab File: BN007512.D

Acq: 29 Aug 2019 21:06

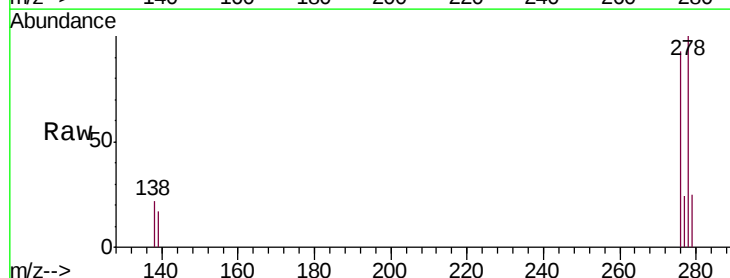
Tgt Ion:278 Resp: 32735

Ion Ratio Lower Upper

278 100

139 16.6 13.7 20.5

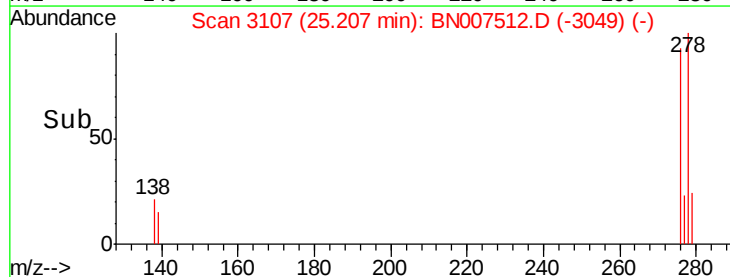
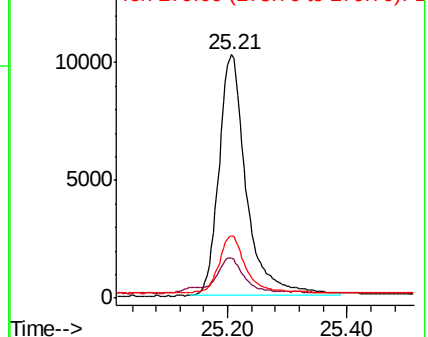
279 25.4 20.2 30.4



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(g,h,i)perylene

Concen: 0.287 ng

RT: 25.81 min Scan# 3284

Delta R.T. -0.01 min

Lab File: BN007512.D

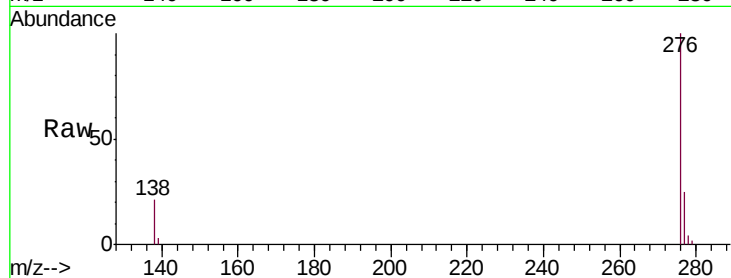
Acq: 29 Aug 2019 21:06

Instrument :

BNA\_N

ClientSampleId :

PB122289BS



Tgt Ion: 276 Resp: 34282

Ion Ratio Lower Upper

276 100

277 24.6 19.6 29.4

138 20.6 16.3 24.5

