

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091319\  
 Data File : BN007616.D  
 Acq On : 13 Sep 2019 08:40  
 Operator : HP/JU  
 Sample : PB122692BS  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB122692BS

Quant Time: Sep 14 01:59:43 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  | 12227    | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.49 | 136  | 48195    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.34 | 164  | 24552    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.08 | 188  | 56481    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.27 | 240  | 64383    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.50 | 264  | 59204    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.33  | 112  | 11748    | 0.30 | ng    | 0.00     |
| 5) Phenol-d6                | 6.89  | 99   | 15113    | 0.32 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.86  | 82   | 13018    | 0.34 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.08 | 152  | 27947    | 0.34 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.83 | 330  | 2732     | 0.29 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.96 | 172  | 39661    | 0.37 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.11 | 212  | 61076    | 0.34 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.72 | 244  | 49902    | 0.29 | ng    | 0.00     |

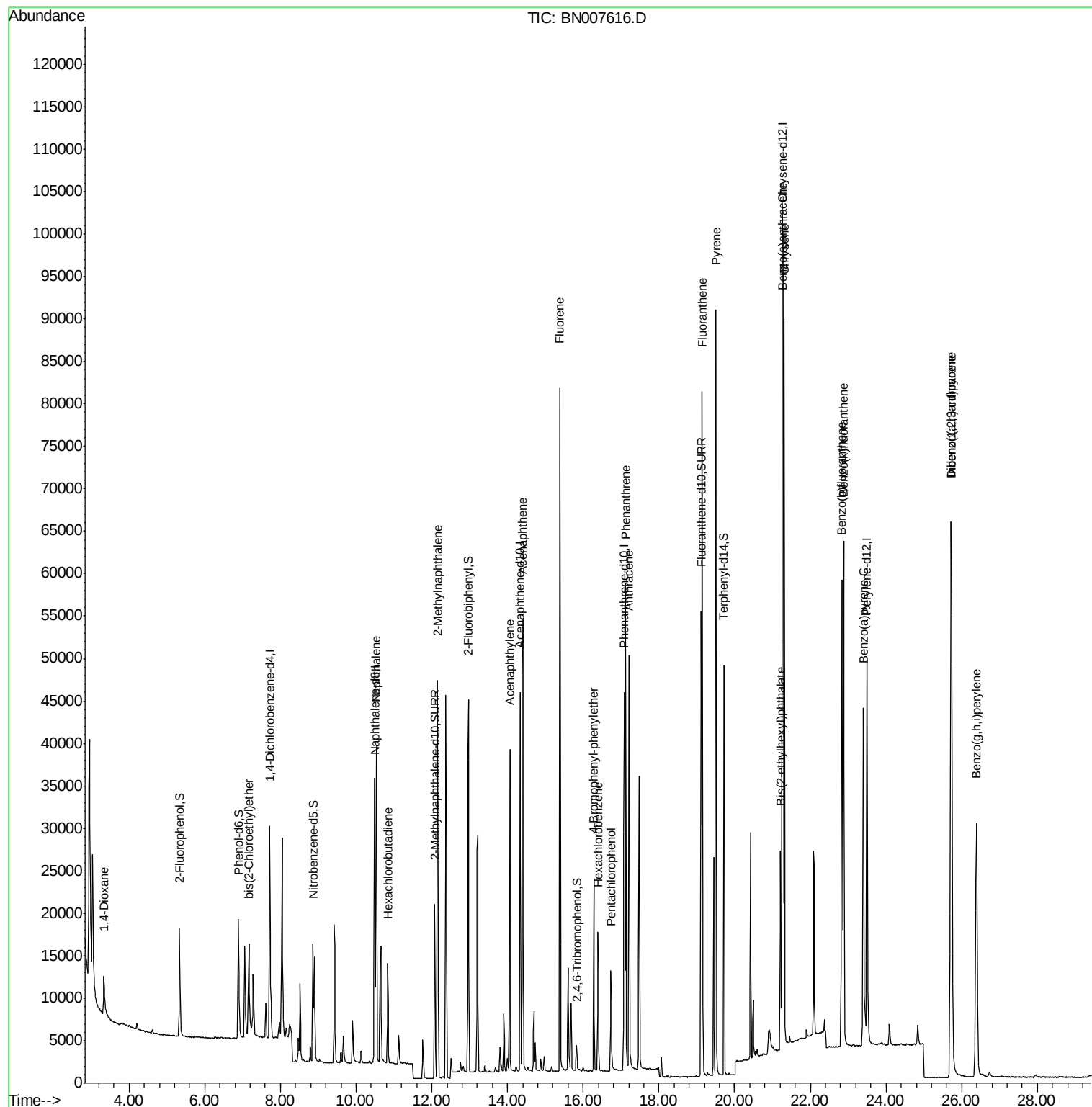
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.34  | 88   | 4677     | 0.319 | ng    | 99     |
| 6) bis(2-Chloroethyl)ether     | 7.16  | 93   | 11887    | 0.331 | ng    | 98     |
| 9) Naphthalene                 | 10.53 | 128  | 48250    | 0.349 | ng    | 99     |
| 10) Hexachlorobutadiene        | 10.84 | 225  | 9289     | 0.334 | ng    | # 100  |
| 12) 2-Methylnaphthalene        | 12.15 | 142  | 31963    | 0.344 | ng    | 100    |
| 16) Acenaphthylene             | 14.06 | 152  | 43881    | 0.344 | ng    | 100    |
| 17) Acenaphthene               | 14.40 | 154  | 29048    | 0.349 | ng    | 100    |
| 18) Fluorene                   | 15.38 | 166  | 36713    | 0.349 | ng    | 98     |
| 20) 4-Bromophenyl-phenylether  | 16.28 | 248  | 11532    | 0.330 | ng    | # 90   |
| 21) Hexachlorobenzene          | 16.39 | 284  | 12274    | 0.329 | ng    | 99     |
| 22) Pentachlorophenol          | 16.73 | 266  | 6398     | 0.660 | ng    | 97     |
| 23) Phenanthrene               | 17.12 | 178  | 60644    | 0.340 | ng    | 99     |
| 24) Anthracene                 | 17.21 | 178  | 51420    | 0.326 | ng    | 100    |
| 26) Fluoranthene               | 19.14 | 202  | 71044    | 0.341 | ng    | 100    |
| 28) Pyrene                     | 19.51 | 202  | 79312    | 0.339 | ng    | 100    |
| 30) Benzo(a)anthracene         | 21.26 | 228  | 69010    | 0.302 | ng    | 100    |
| 31) Chrysene                   | 21.31 | 228  | 74474    | 0.314 | ng    | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 21.22 | 149  | 21149    | 0.273 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.72 | 276  | 79686    | 0.314 | ng    | 99     |
| 35) Benzo(b)fluoranthene       | 22.83 | 252  | 67747    | 0.315 | ng    | 99     |
| 36) Benzo(k)fluoranthene       | 22.88 | 252  | 71922    | 0.327 | ng    | 98     |
| 37) Benzo(a)pyrene             | 23.40 | 252  | 59752    | 0.313 | ng    | 99     |
| 38) Dibenzo(a,h)anthracene     | 25.73 | 278  | 65431    | 0.328 | ng    | 100    |
| 39) Benzo(g,h,i)perylene       | 26.39 | 276  | 63912    | 0.323 | ng    | 99     |

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

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Sample : PB122692BS  
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QLast Update : Thu Sep 12 14:27:51 2019  
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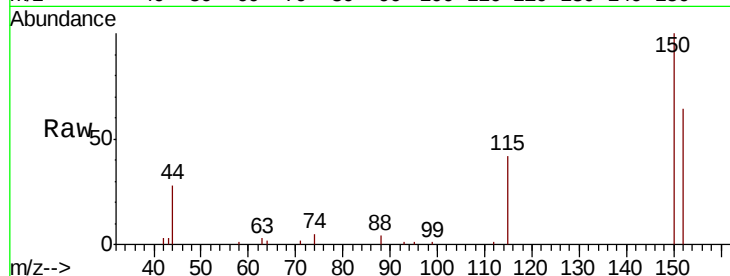


#1

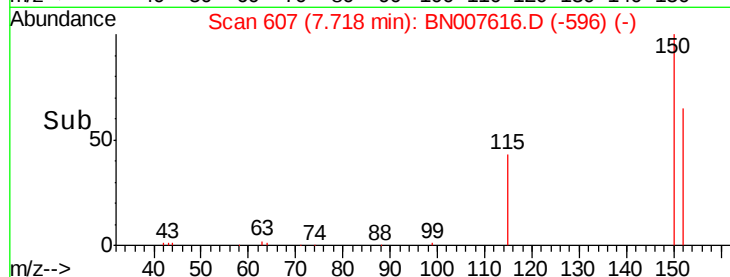
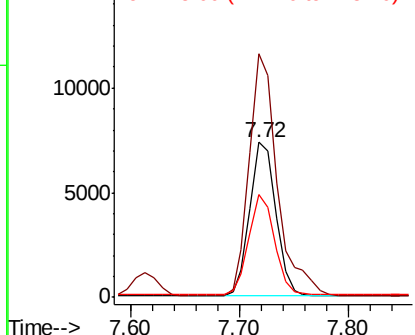
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.72 min Scan# 607  
Delta R.T. -0.01 min  
Lab File: BN007616.D  
Acq: 13 Sep 2019 08:40

Instrument :  
BNA\_N  
ClientSampleId :  
PB122692BS

Tot Ion:152 Resp: 12227  
Ion Ratio Lower Upper  
152 100  
150 157.1 122.4 183.6  
115 66.3 50.4 75.6



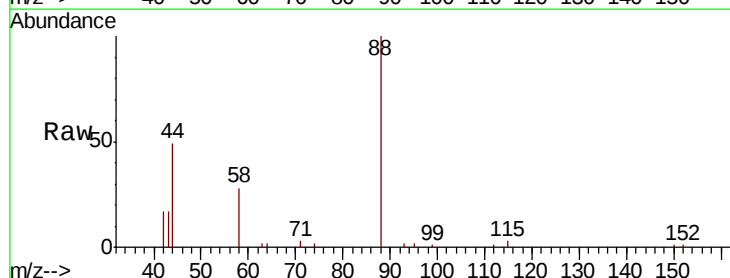
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



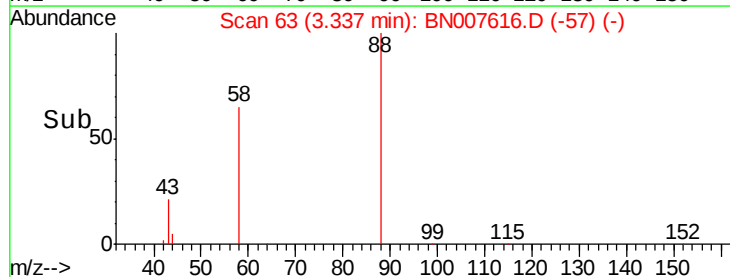
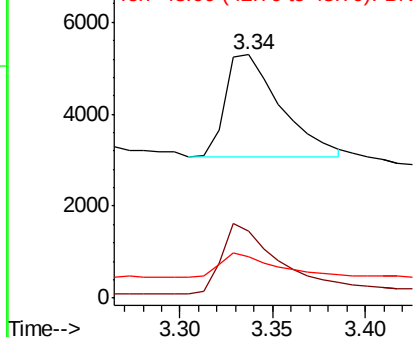
#2

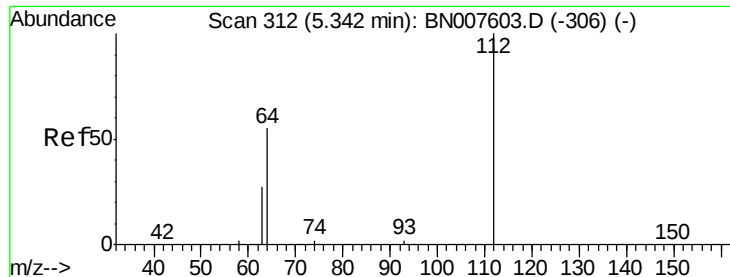
1,4-Dioxane  
Concen: 0.319 ng  
RT: 3.34 min Scan# 63  
Delta R.T. -0.00 min  
Lab File: BN007616.D  
Acq: 13 Sep 2019 08:40

Tgt Ion: 88 Resp: 4677  
Ion Ratio Lower Upper  
88 100  
58 71.1 57.0 85.4  
43 23.8 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





#4

2-Fluorophenol

Concen: 0.300 ng

RT: 5.33 min Scan# 311

Delta R.T. -0.01 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

Instrument :

BNA\_N

ClientSampleId :

PB122692BS

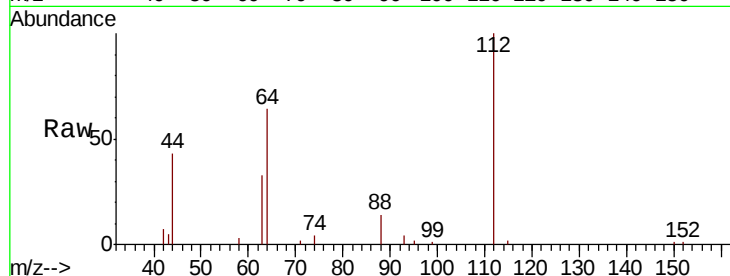
Tot Ion:112 Resp: 11748

Ion Ratio Lower Upper

112 100

64 61.1 48.5 72.7

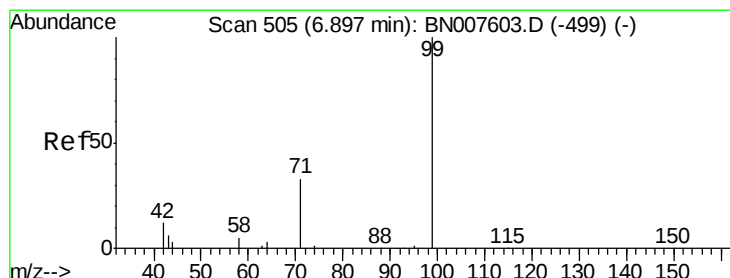
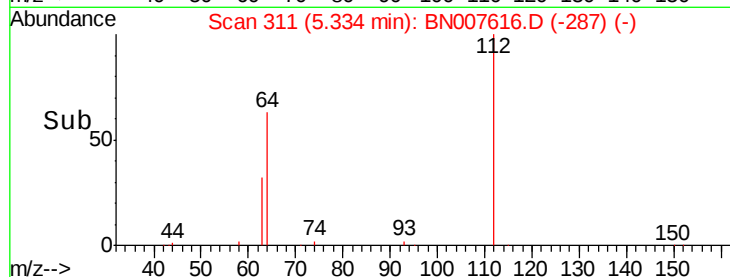
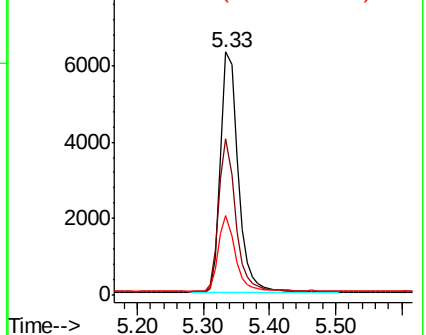
63 30.1 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.318 ng

RT: 6.89 min Scan# 504

Delta R.T. -0.01 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

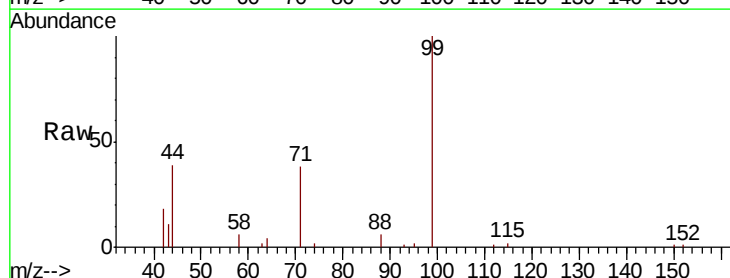
Tgt Ion: 99 Resp: 15113

Ion Ratio Lower Upper

99 100

42 14.8 11.8 17.6

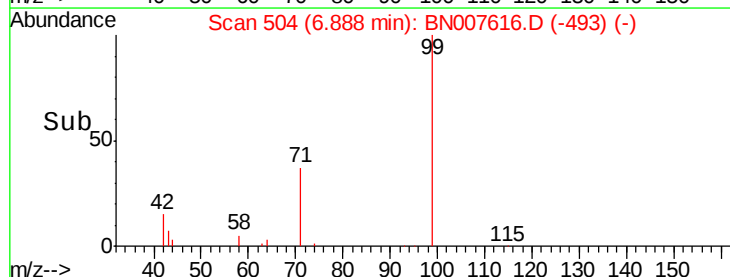
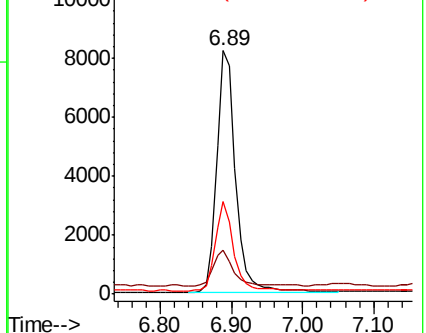
71 34.7 28.0 42.0

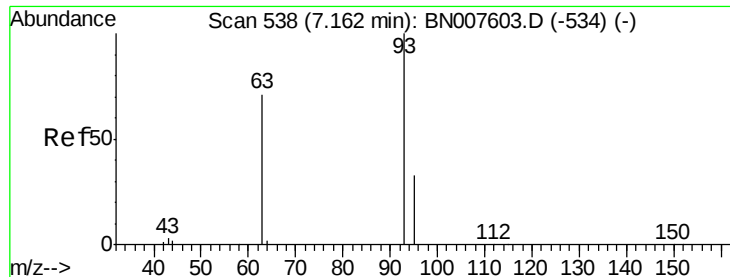


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#6

bis(2-Chloroethyl)ether

Concen: 0.331 ng

RT: 7.16 min Scan# 538

Delta R.T. -0.00 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

Instrument :

BNA\_N

ClientSampleId :

PB122692BS

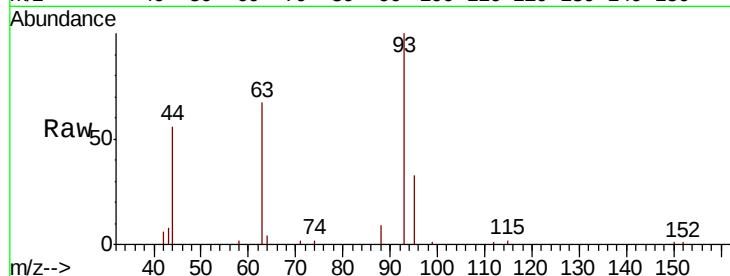
Tot Ion: 93 Resp: 11887

Ion Ratio Lower Upper

93 100

63 77.1 61.2 91.8

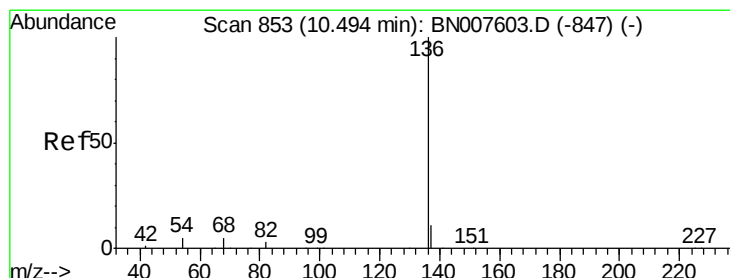
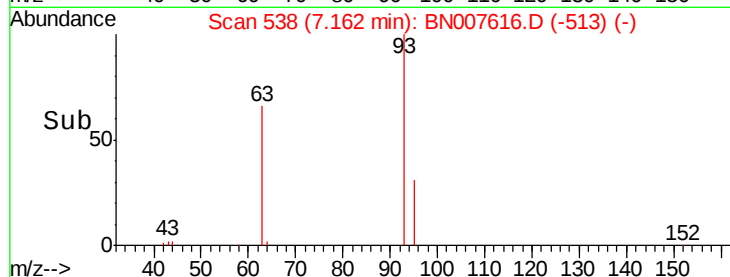
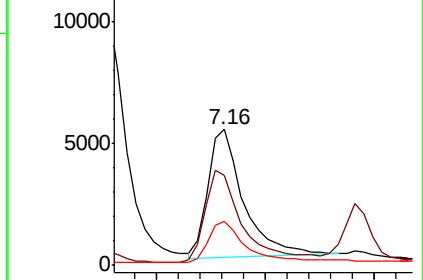
95 37.4 27.2 40.8



Abundance Ion 93.00 (92.70 to 93.70): BN007603.D (-534) (-)

Ion 63.00 (62.70 to 63.70): BN007603.D (-534) (-)

Ion 95.00 (94.70 to 95.70): BN007603.D (-534) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.00 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

Tgt Ion: 136 Resp: 48195

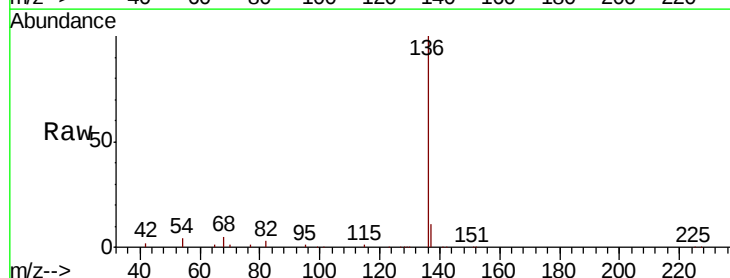
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 4.2 4.2 6.4#

68 4.8 4.6 7.0

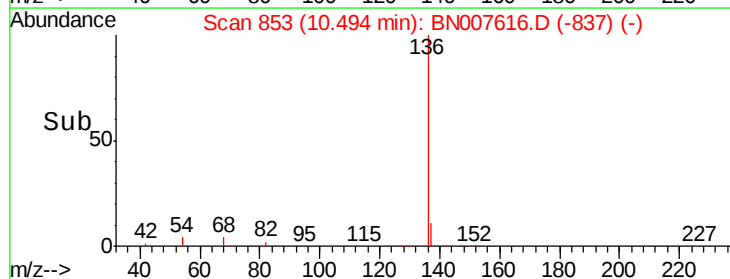
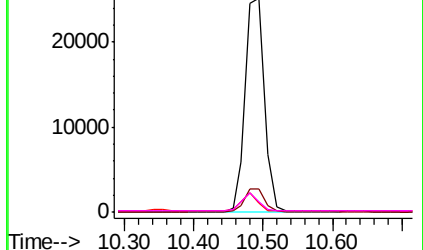


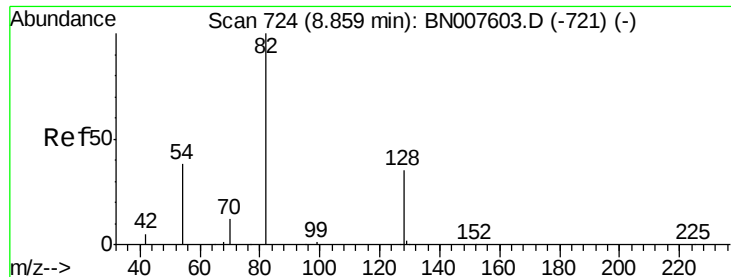
Abundance Ion 136.00 (135.70 to 136.70): BN007603.D (-847) (-)

Ion 137.00 (136.70 to 137.70): BN007603.D (-847) (-)

Ion 54.00 (53.70 to 54.70): BN007603.D (-847) (-)

Ion 68.00 (67.70 to 68.70): BN007603.D (-847) (-)

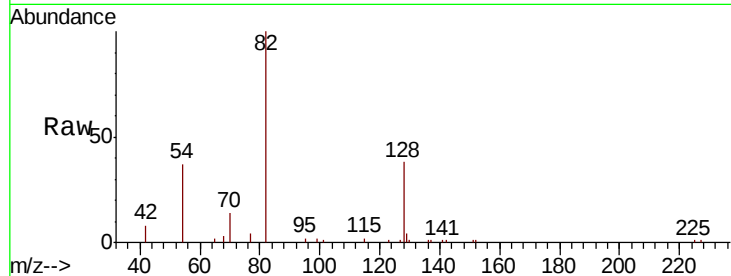




#8  
 Nitrobenzene-d5  
 Concen: 0.338 ng  
 RT: 8.86 min Scan# 724  
 Delta R.T. -0.00 min  
 Lab File: BN007616.D  
 Acq: 13 Sep 2019 08:40

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB122692BS

| Tot Ion   | 82    | Resp  | 13018 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 38.1  | 27.9  | 41.9  |
| 54        | 36.7  | 30.9  | 46.3  |

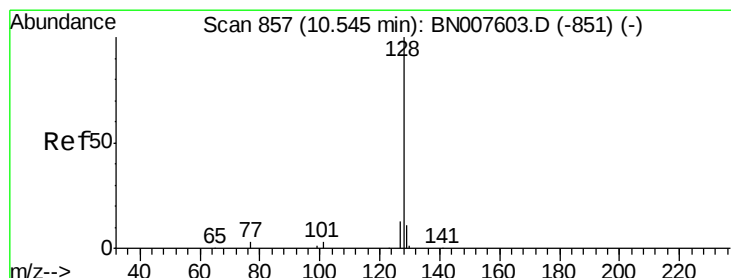
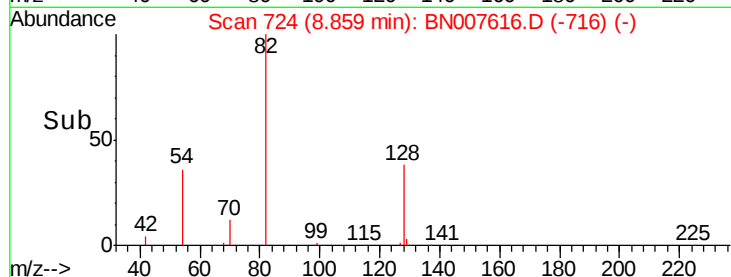
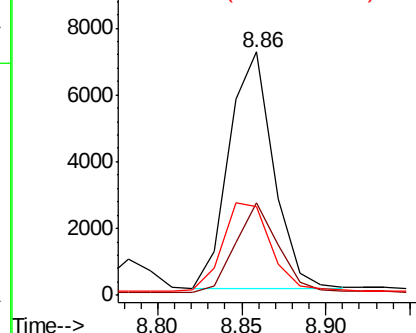


Abundance

Ion 82.00 (81.70 to 82.70): BN0

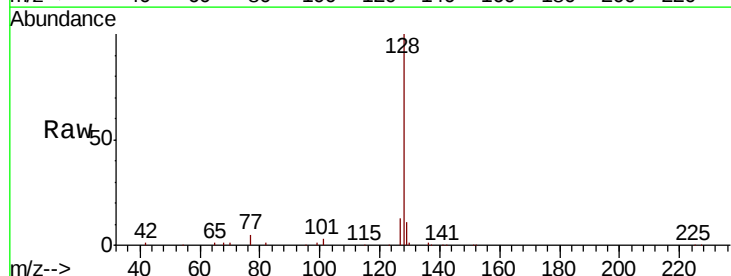
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0



#9  
 Naphthalene  
 Concen: 0.349 ng  
 RT: 10.53 min Scan# 856  
 Delta R.T. -0.01 min  
 Lab File: BN007616.D  
 Acq: 13 Sep 2019 08:40

| Tgt Ion   | 128   | Resp  | 48250 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.1  | 9.0   | 13.4  |
| 127       | 13.5  | 10.4  | 15.6  |

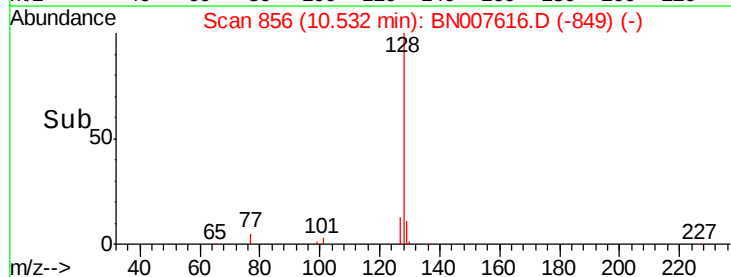
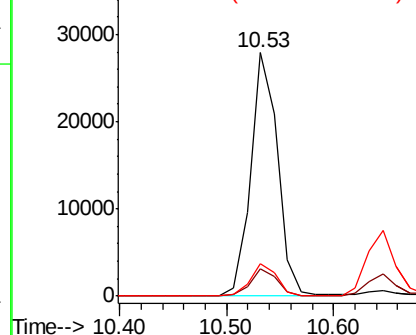


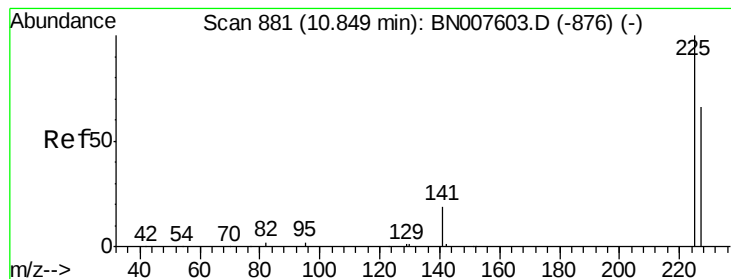
Abundance

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: 0.334 ng

RT: 10.84 min Scan# 880

Delta R.T. -0.01 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

Instrument :

BNA\_N

ClientSampleId :

PB122692BS

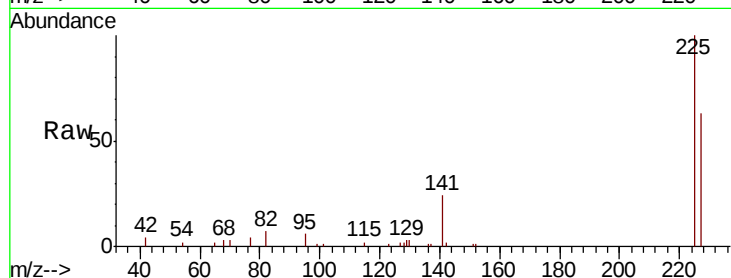
Tot Ion:225 Resp: 9289

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

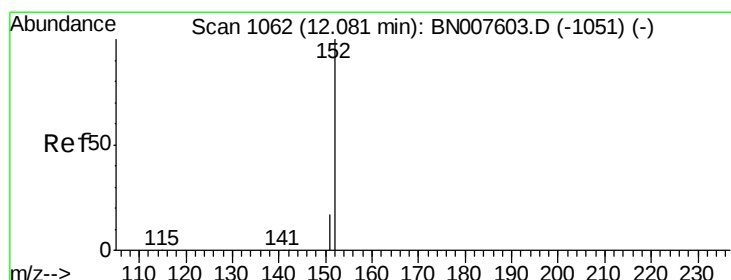
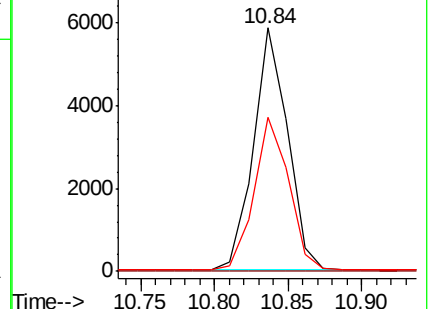
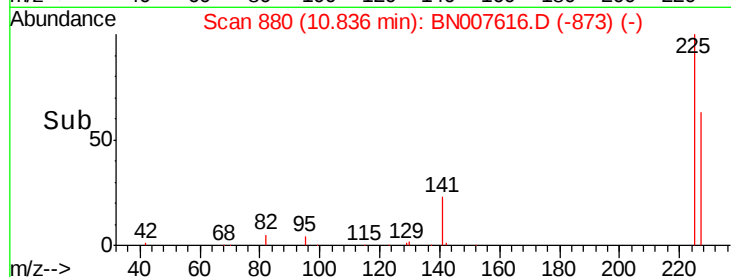
227 63.8 51.3 76.9



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: 0.343 ng

RT: 12.08 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BN007616.D

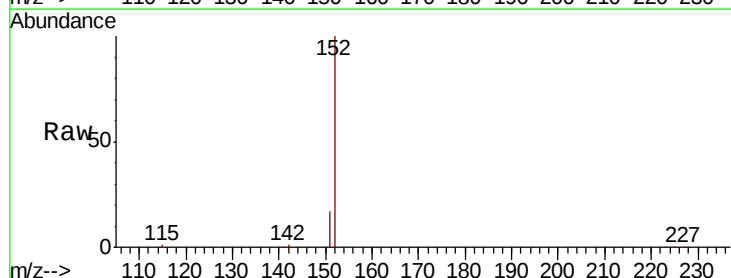
Acq: 13 Sep 2019 08:40

Tgt Ion:152 Resp: 27947

Ion Ratio Lower Upper

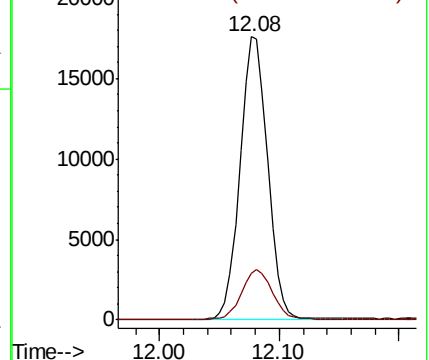
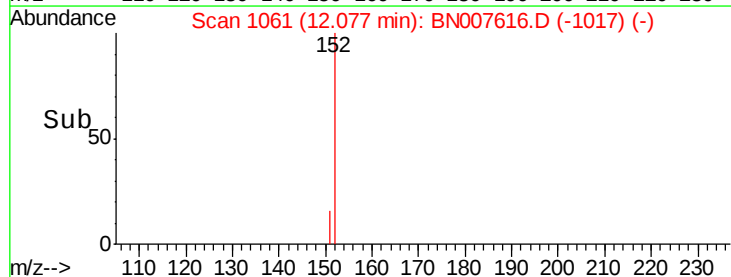
152 100

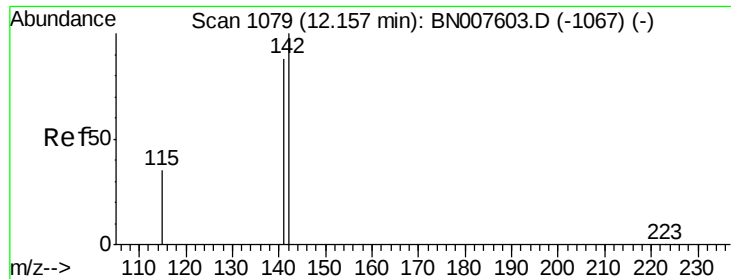
151 19.1 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

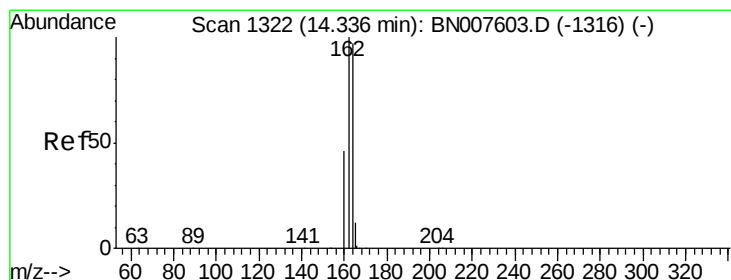
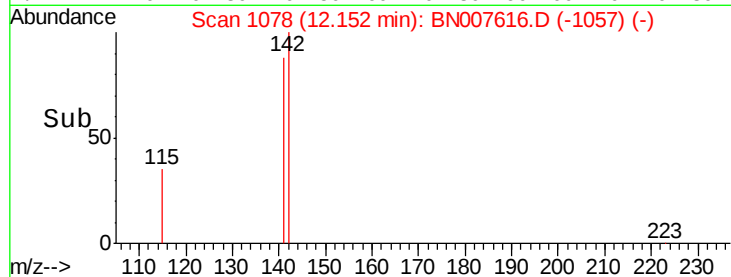
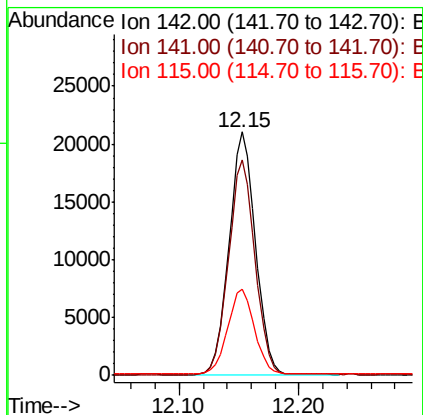
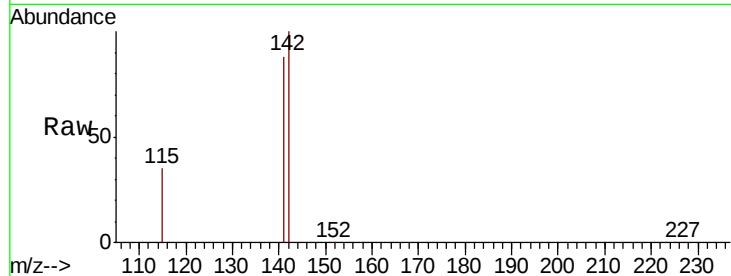




#12  
2-Methylnaphthalene  
Concen: 0.344 ng  
RT: 12.15 min Scan# 1078  
Delta R.T. -0.00 min  
Lab File: BN007616.D  
Acq: 13 Sep 2019 08:40

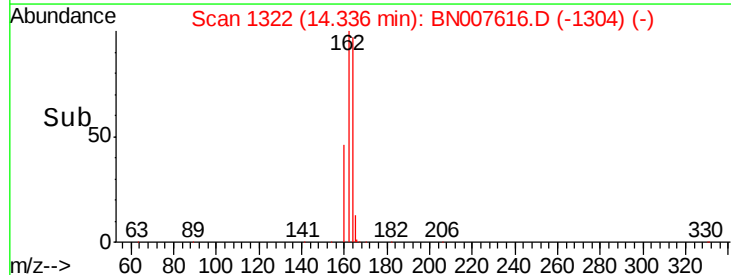
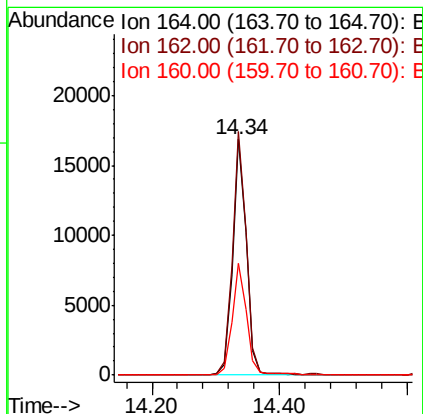
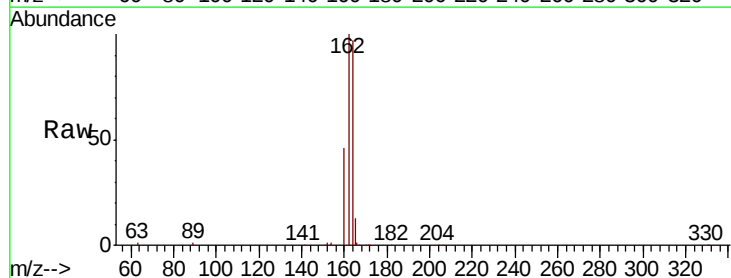
Instrument :  
BNA\_N  
ClientSampled :  
PB122692BS

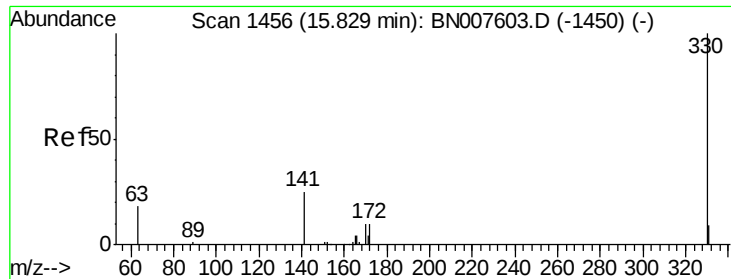
Tot Ion:142 Resp: 31963  
Ion Ratio Lower Upper  
142 100  
141 88.5 70.5 105.7  
115 35.5 28.4 42.6



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.34 min Scan# 1322  
Delta R.T. -0.00 min  
Lab File: BN007616.D  
Acq: 13 Sep 2019 08:40

Tgt Ion:164 Resp: 24552  
Ion Ratio Lower Upper  
164 100  
162 103.3 82.8 124.2  
160 47.6 38.0 57.0





#14

2,4,6-Tribromophenol

Concen: 0.294 ng

RT: 15.83 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

Instrument :

BNA\_N

ClientSampleId :

PB122692BS

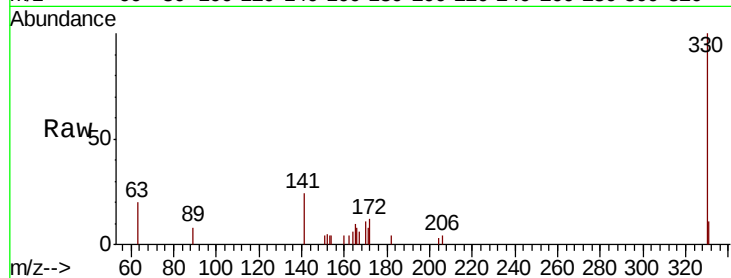
Tot Ion:330 Resp: 2732

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

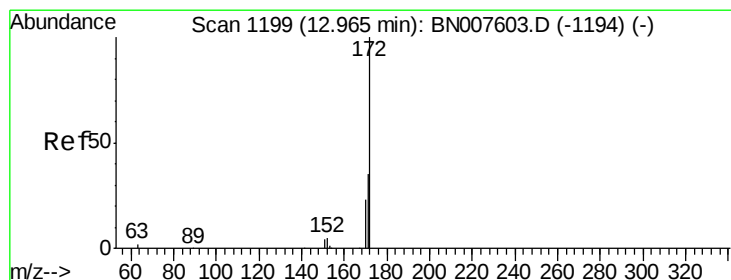
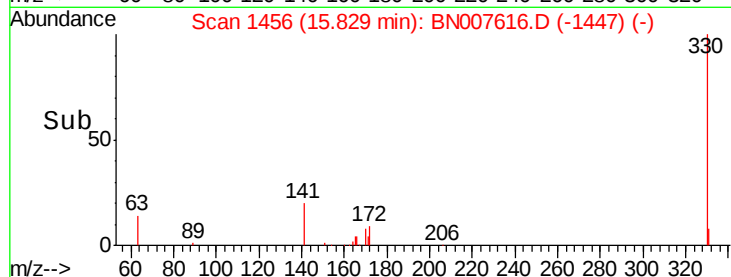
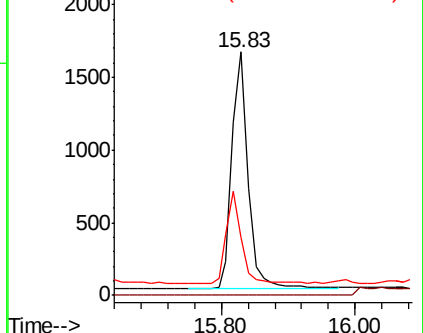
141 36.9 30.1 45.1



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: 0.370 ng

RT: 12.96 min Scan# 1199

Delta R.T. -0.00 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

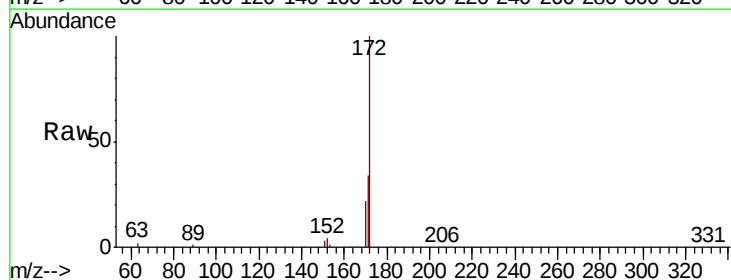
Tgt Ion:172 Resp: 39661

Ion Ratio Lower Upper

172 100

171 34.3 27.9 41.9

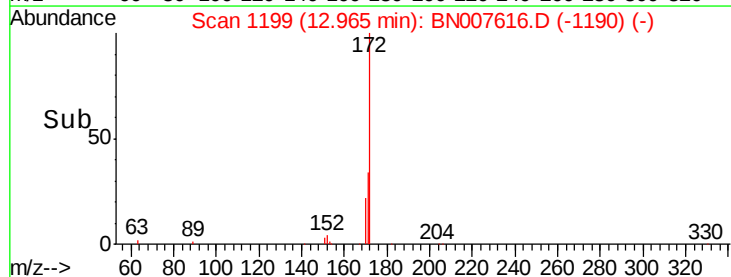
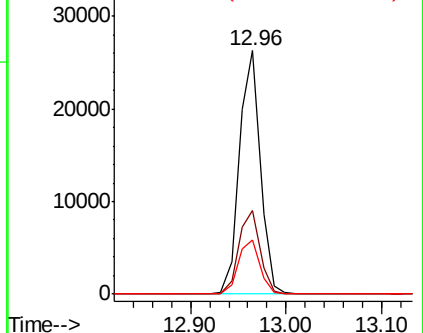
170 22.0 18.5 27.7

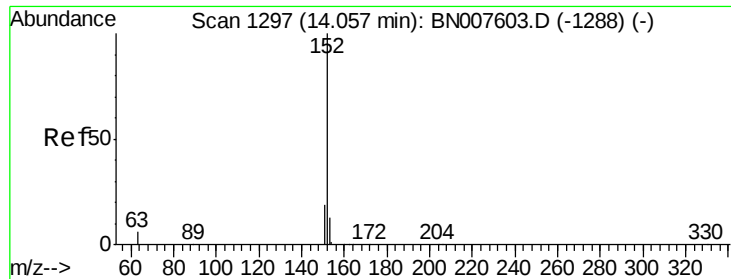


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 0.344 ng

RT: 14.06 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

Instrument :

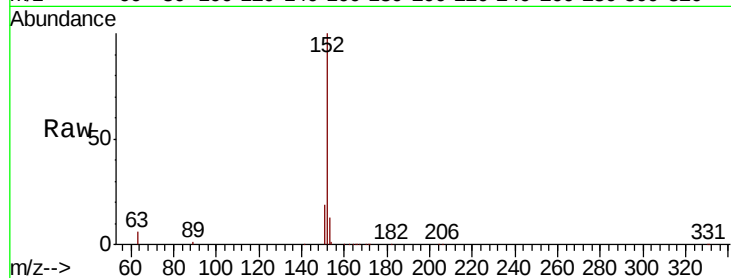
BNA\_N

ClientSampleId :

PB122692BS

Tot Ion:152 Resp: 43881

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 19.6  | 15.7  | 23.5  |
| 153 | 13.1  | 10.4  | 15.6  |

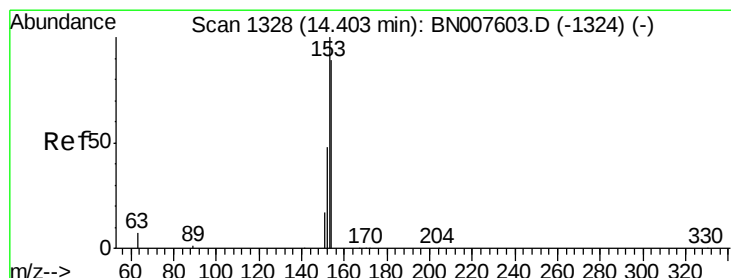
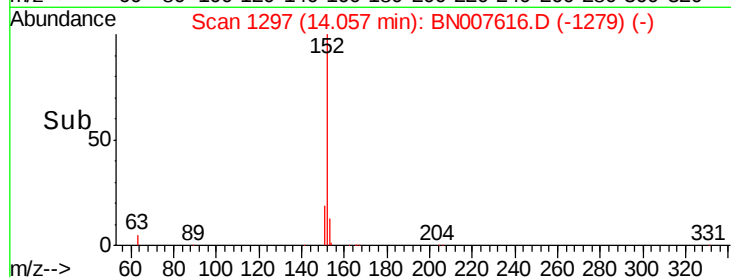
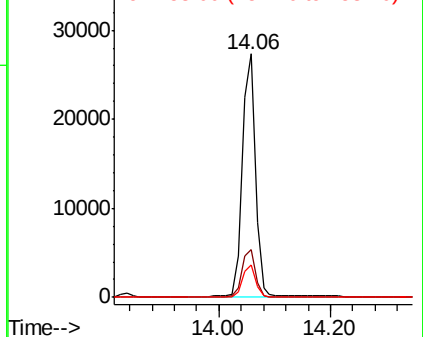


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 0.349 ng

RT: 14.40 min Scan# 1328

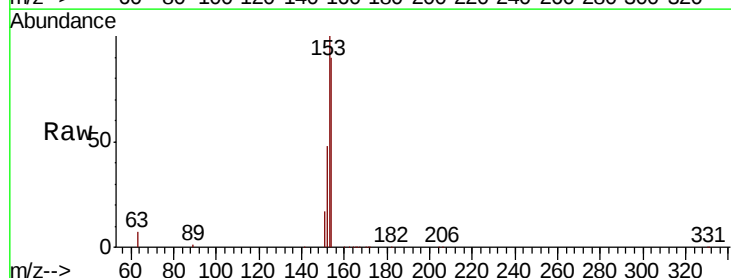
Delta R.T. -0.00 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

Tgt Ion:154 Resp: 29048

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 111.8 | 89.8  | 134.8 |
| 152 | 55.1  | 43.8  | 65.8  |

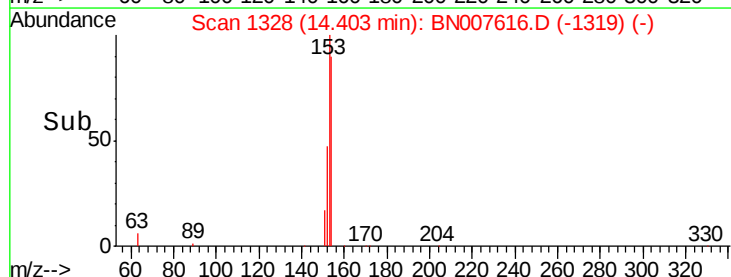
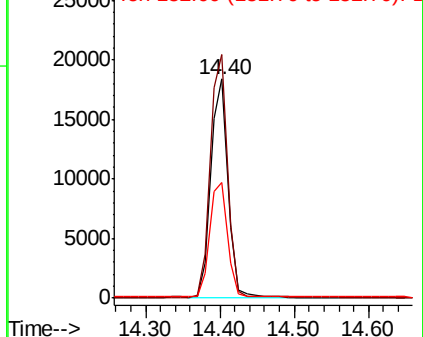


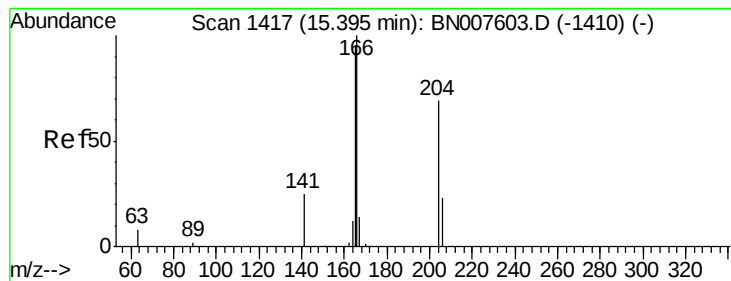
Abundance

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: 0.349 ng

RT: 15.38 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

Instrument :

BNA\_N

ClientSampleId :

PB122692BS

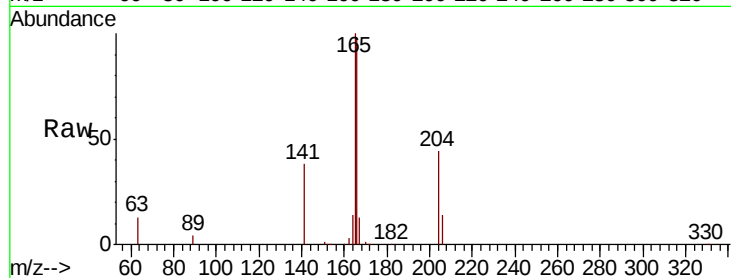
Tot Ion:166 Resp: 36713

Ion Ratio Lower Upper

166 100

165 99.0 77.8 116.6

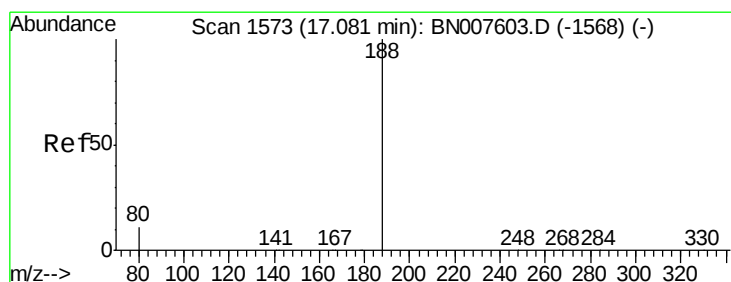
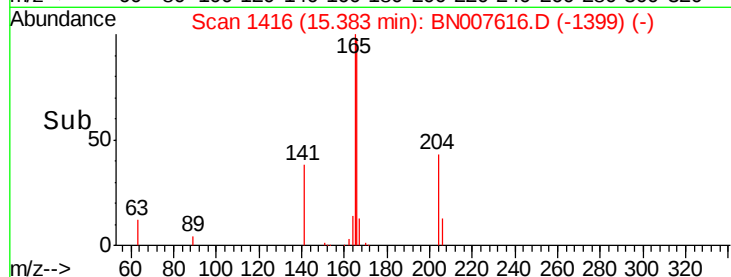
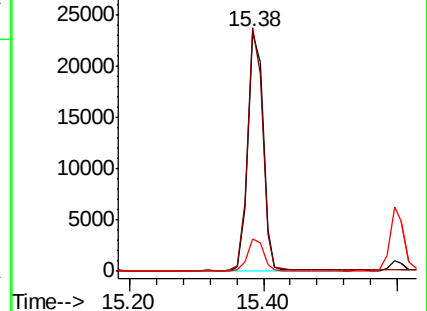
167 13.6 10.8 16.2



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: BN007616.D

Acq: 13 Sep 2019 08:40

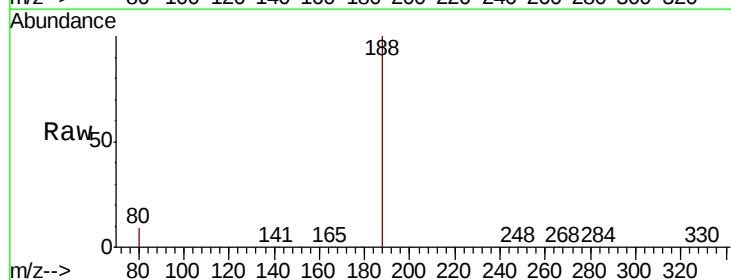
Tgt Ion:188 Resp: 56481

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

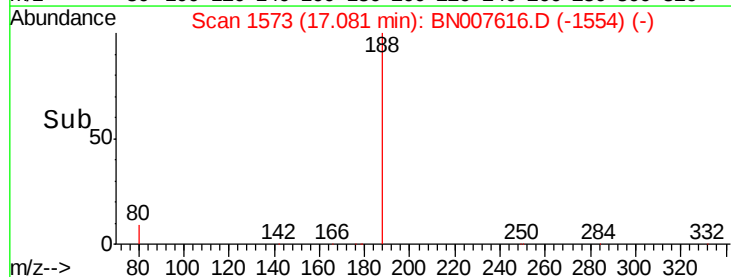
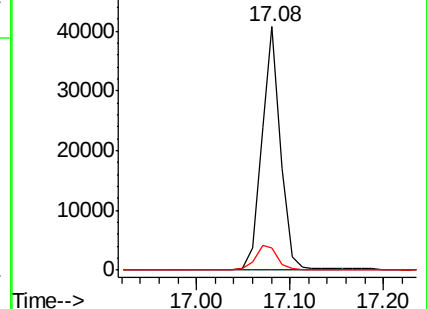
80 9.1 8.8 13.2

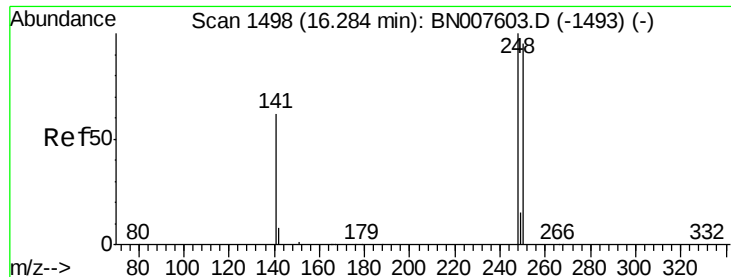


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

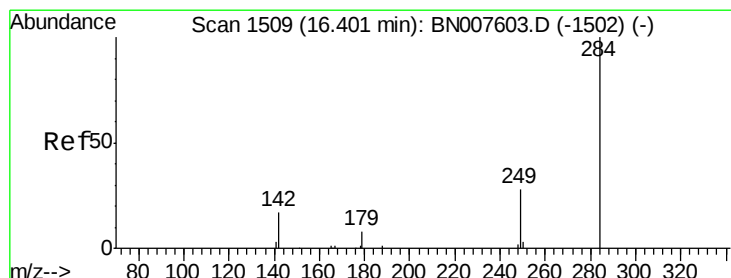
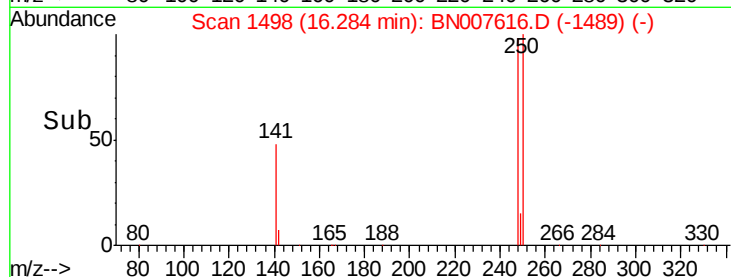
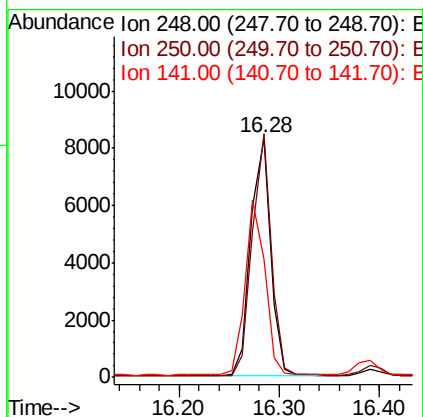
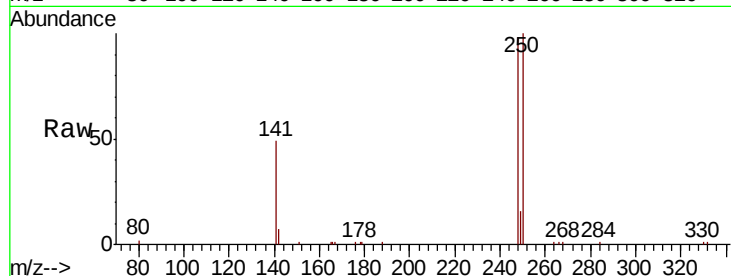




#20  
4-Bromophenyl-phenylether  
Concen: 0.330 ng  
RT: 16.28 min Scan# 1498  
Delta R.T. -0.00 min  
Lab File: BN007616.D  
Acq: 13 Sep 2019 08:40

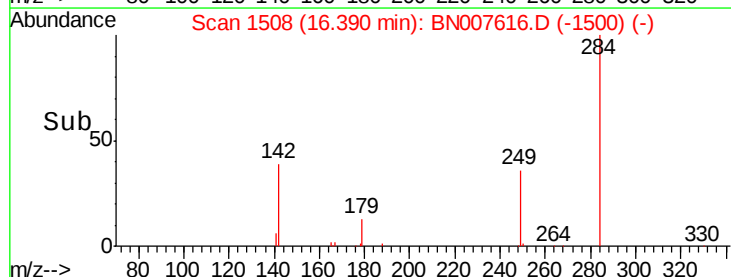
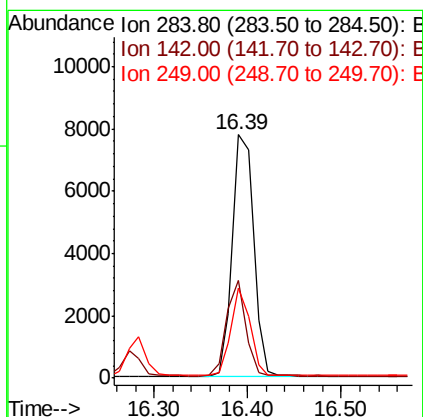
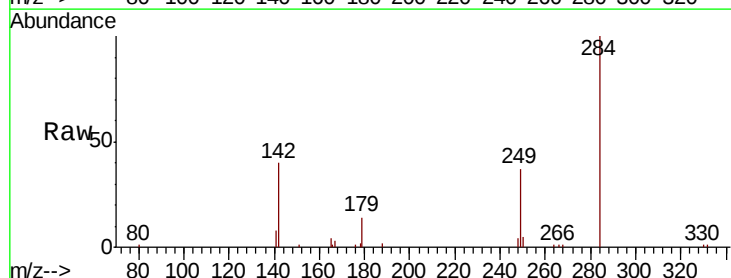
Instrument :  
BNA\_N  
ClientSampled :  
PB122692BS

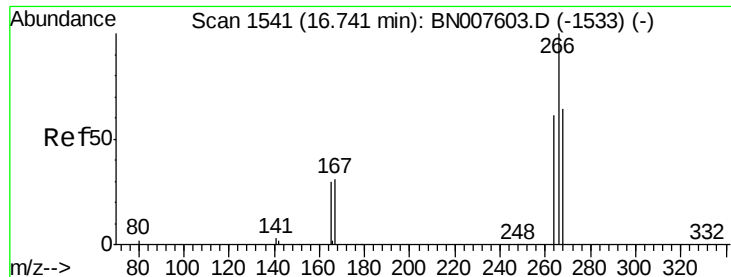
Tot Ion:248 Resp: 11532  
Ion Ratio Lower Upper  
248 100  
250 101.8 76.3 114.5  
141 49.5 49.7 74.5#



#21  
Hexachlorobenzene  
Concen: 0.329 ng  
RT: 16.39 min Scan# 1508  
Delta R.T. -0.01 min  
Lab File: BN007616.D  
Acq: 13 Sep 2019 08:40

Tgt Ion:284 Resp: 12274  
Ion Ratio Lower Upper  
284 100  
142 35.7 27.8 41.6  
249 32.4 25.5 38.3





#22

Pentachlorophenol

Concen: 0.660 ng

RT: 16.73 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

Instrument :

BNA\_N

ClientSampleId :

PB122692BS

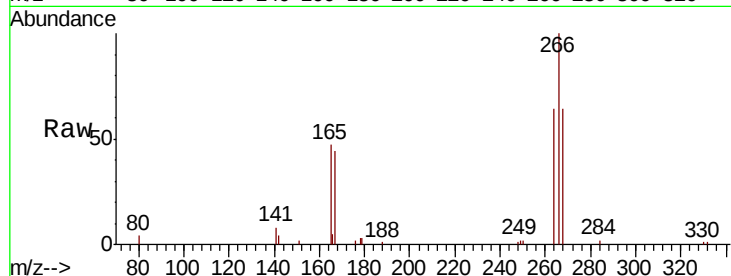
Tot Ion:266 Resp: 6398

Ion Ratio Lower Upper

266 100

264 63.8 49.4 74.0

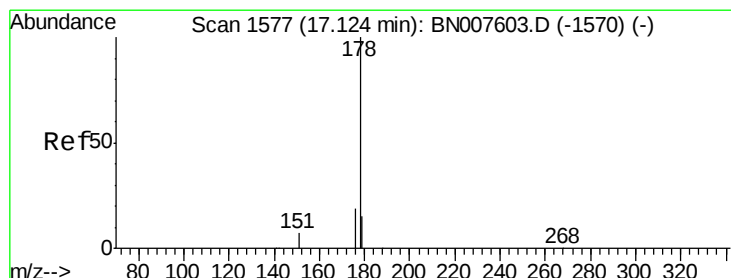
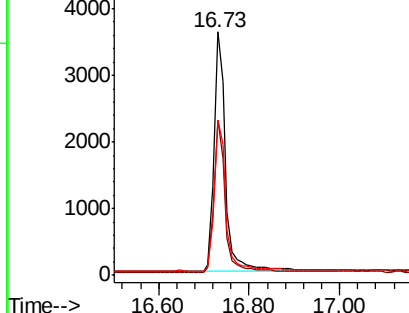
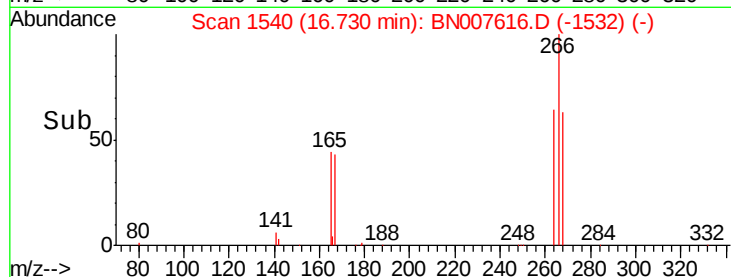
268 63.8 53.0 79.6



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: 0.340 ng

RT: 17.12 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

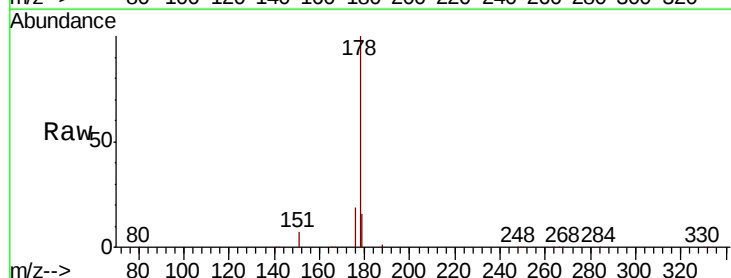
Tgt Ion:178 Resp: 60644

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.6

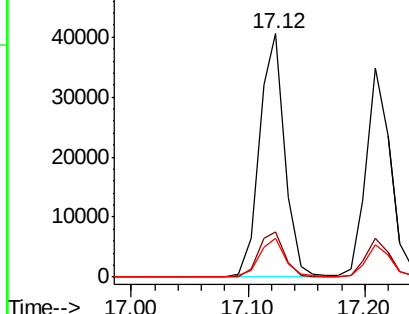
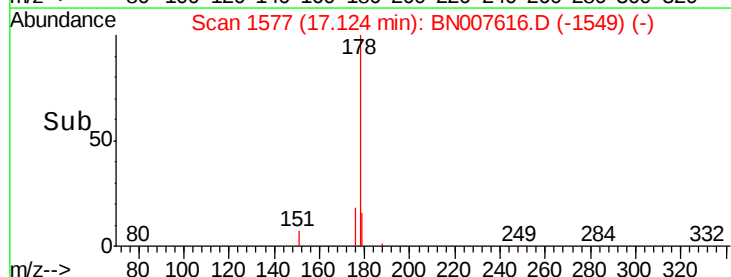
179 15.9 12.4 18.6

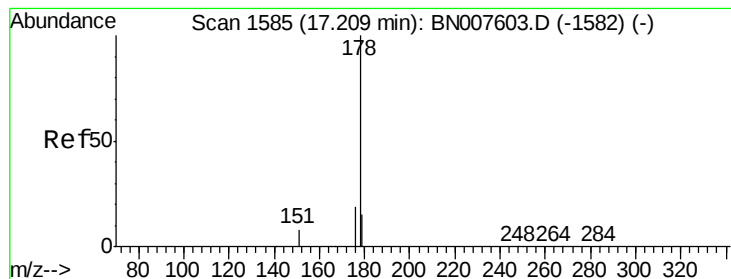


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.326 ng

RT: 17.21 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

Instrument :

BNA\_N

ClientSampleId :

PB122692BS

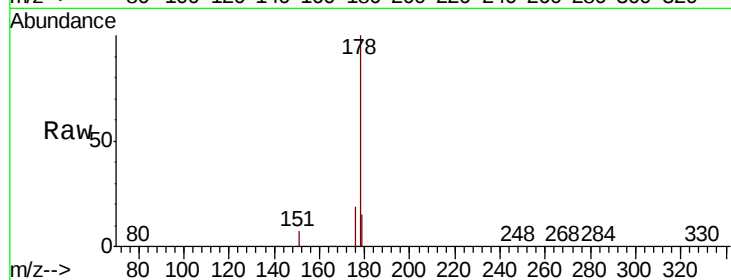
Tot Ion:178 Resp: 51420

Ion Ratio Lower Upper

178 100

176 18.1 14.5 21.7

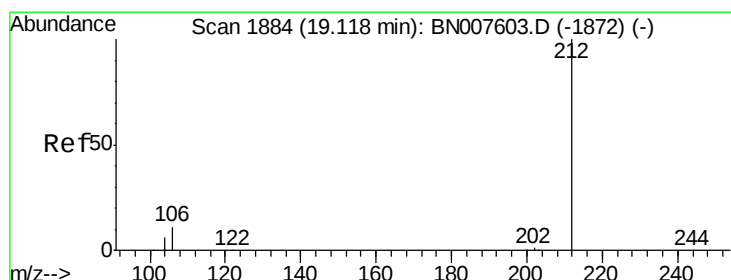
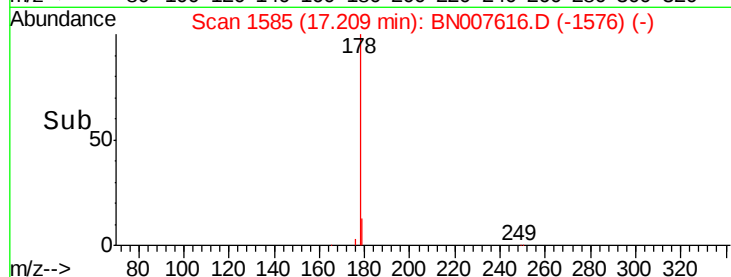
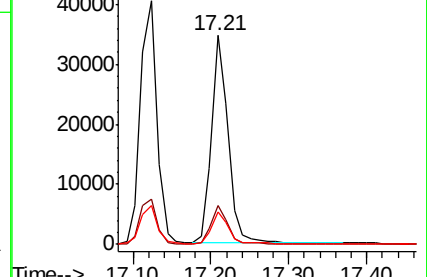
179 15.2 12.4 18.6



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: 0.343 ng

RT: 19.11 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

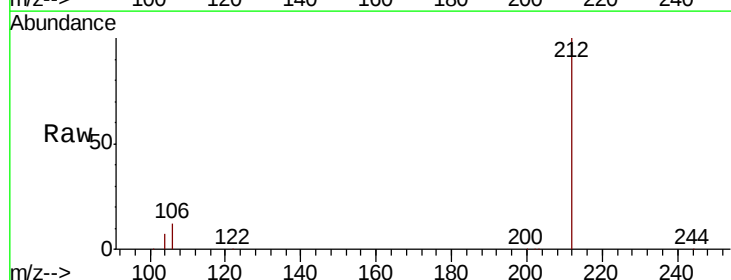
Tgt Ion:212 Resp: 61076

Ion Ratio Lower Upper

212 100

106 12.1 9.6 14.4

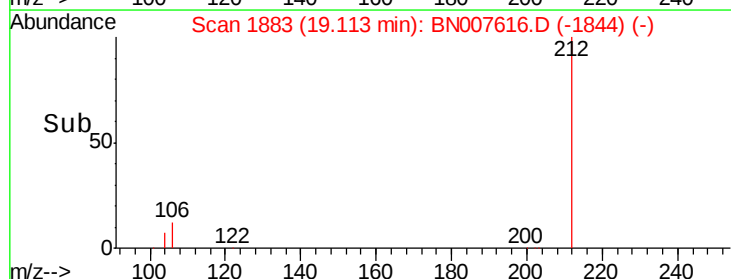
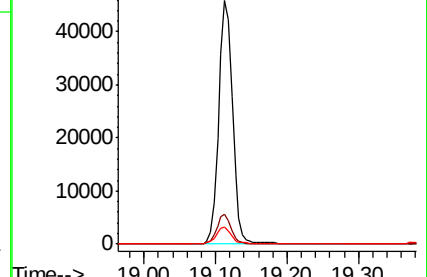
104 6.7 5.4 8.0

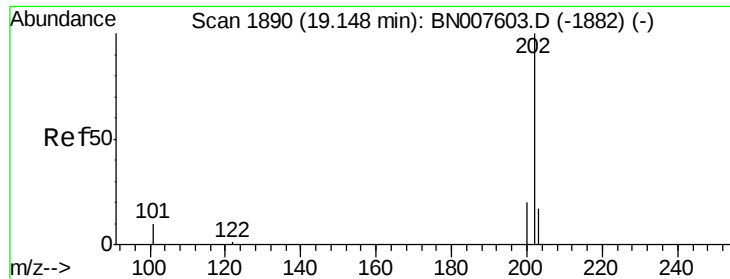


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.341 ng

RT: 19.14 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

Instrument :

BNA\_N

ClientSampleId :

PB122692BS

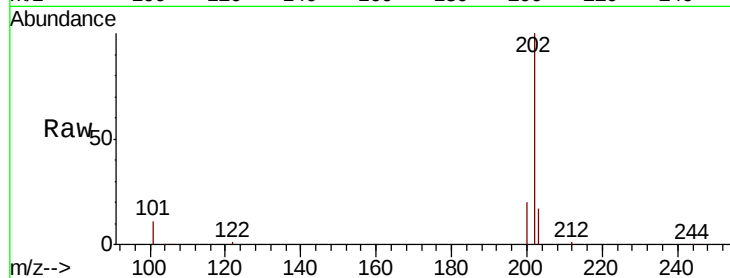
Tot Ion:202 Resp: 71044

Ion Ratio Lower Upper

202 100

101 11.1 8.6 13.0

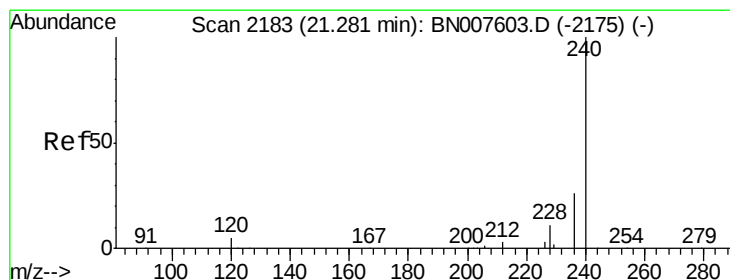
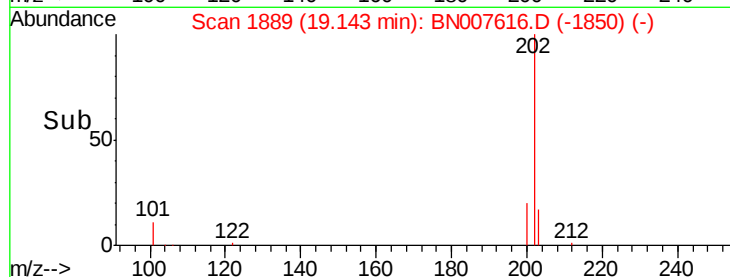
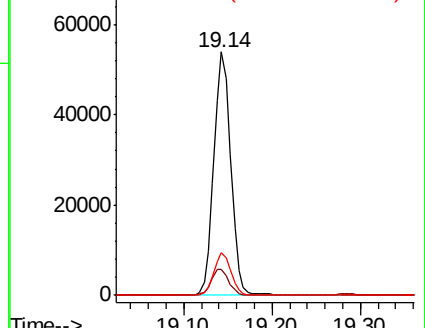
203 17.2 13.8 20.6



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: 21.27 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

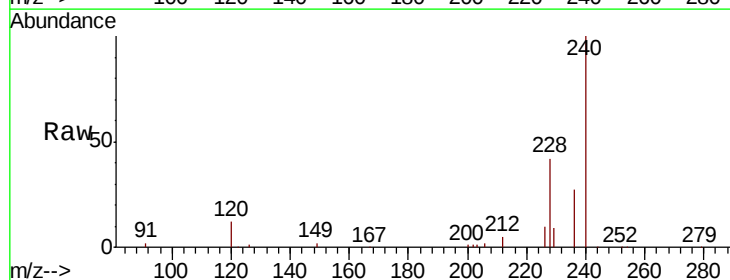
Tgt Ion:240 Resp: 64383

Ion Ratio Lower Upper

240 100

120 11.7 4.3 6.5#

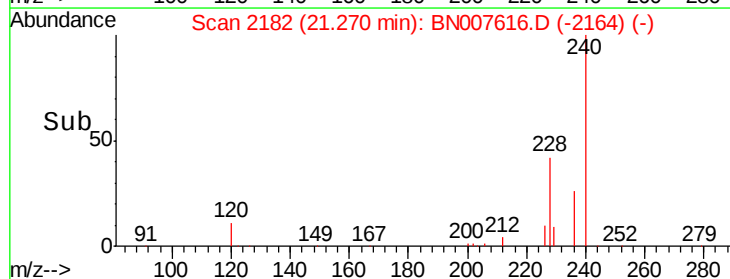
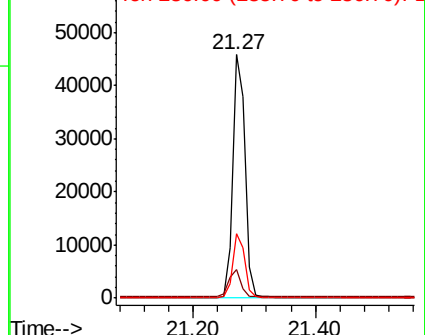
236 26.5 20.8 31.2

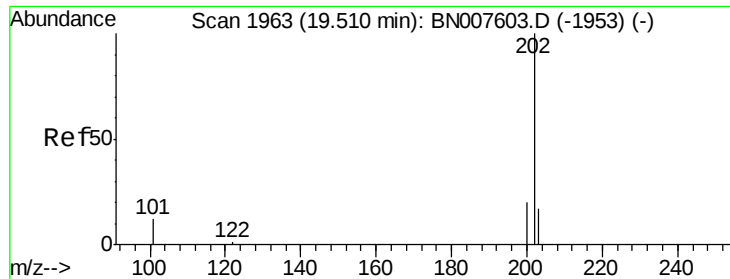


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

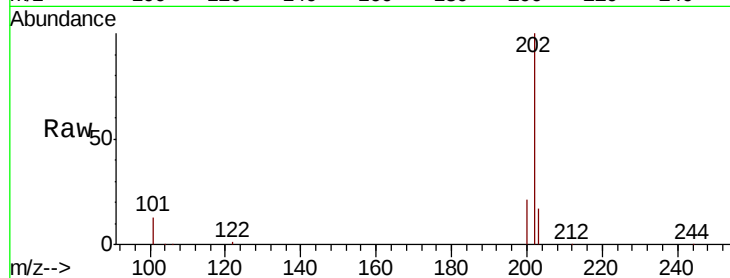




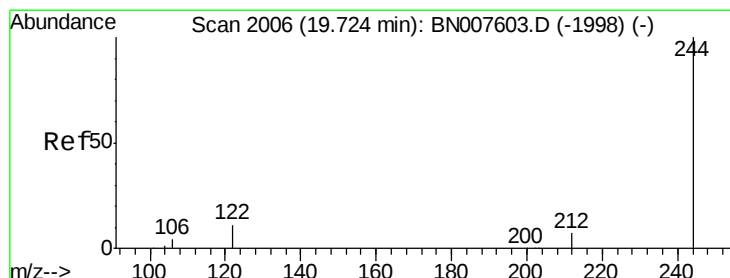
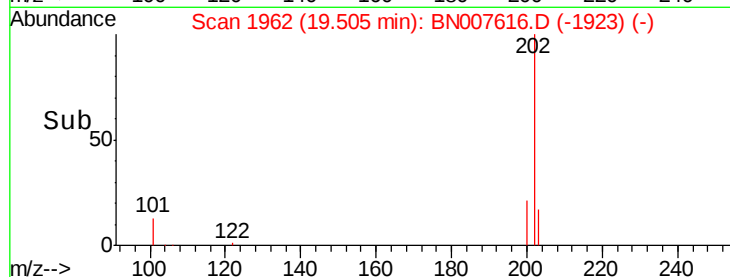
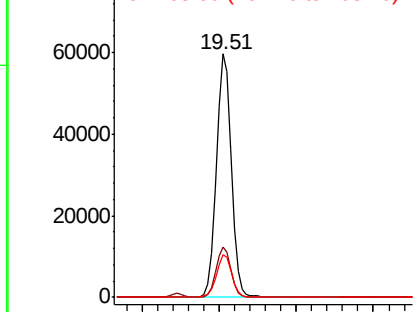
#28  
Pvrene  
Concen: 0.339 ng  
RT: 19.51 min Scan# 1962  
Delta R.T. -0.01 min  
Lab File: BN007616.D  
Acq: 13 Sep 2019 08:40

Instrument :  
BNA\_N  
ClientSampleId :  
PB122692BS

Tot Ion:202 Resp: 79312  
Ion Ratio Lower Upper  
202 100  
200 20.5 16.4 24.6  
203 17.7 14.0 21.0

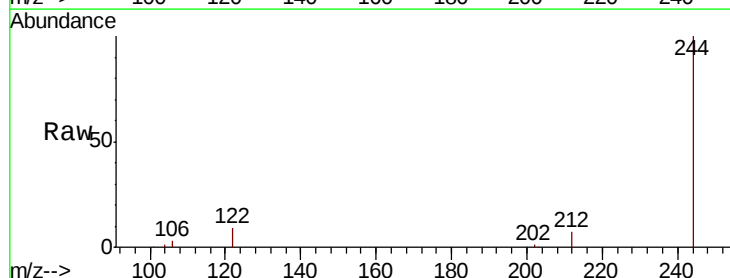


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

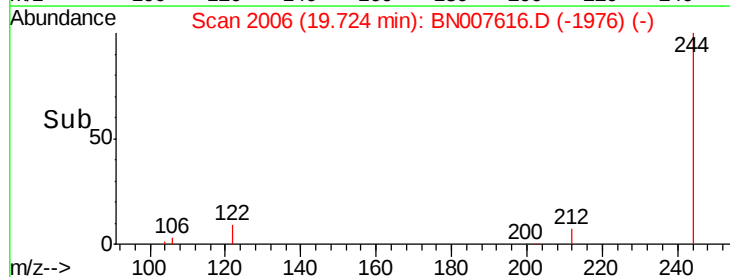
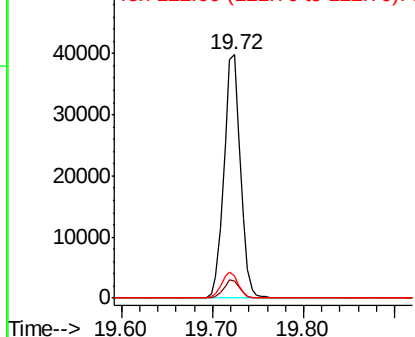


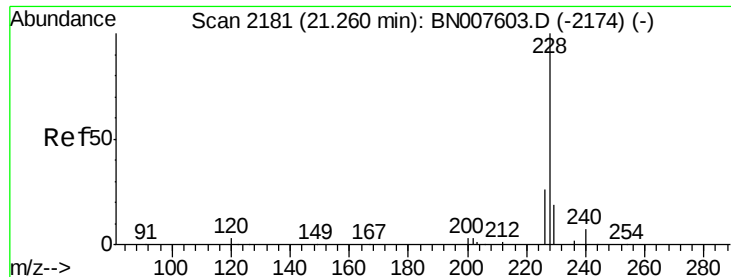
#29  
Terphenyl-d14  
Concen: 0.294 ng  
RT: 19.72 min Scan# 2006  
Delta R.T. -0.00 min  
Lab File: BN007616.D  
Acq: 13 Sep 2019 08:40

Tgt Ion:244 Resp: 49902  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.9 8.9  
122 9.0 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: 0.302 ng

RT: 21.26 min Scan# 2181

Delta R.T. -0.00 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

Instrument :

BNA\_N

ClientSampleId :

PB122692BS

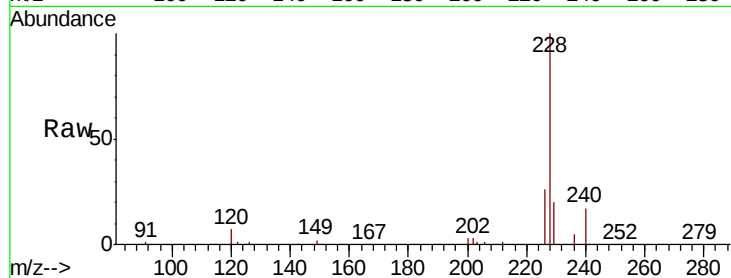
Tot Ion:228 Resp: 69010

Ion Ratio Lower Upper

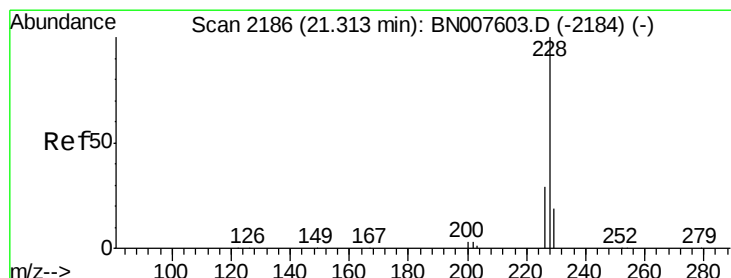
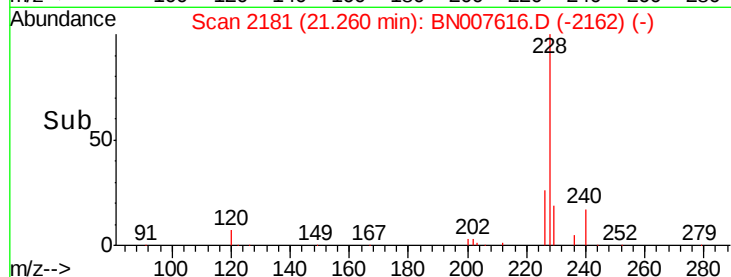
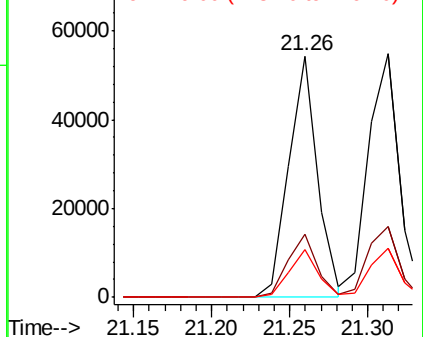
228 100

226 26.3 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: 0.314 ng

RT: 21.31 min Scan# 2186

Delta R.T. -0.00 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

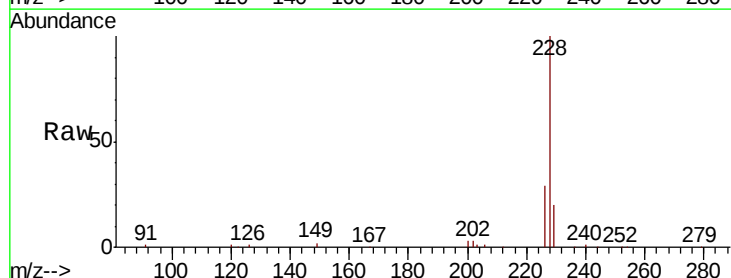
Tgt Ion:228 Resp: 74474

Ion Ratio Lower Upper

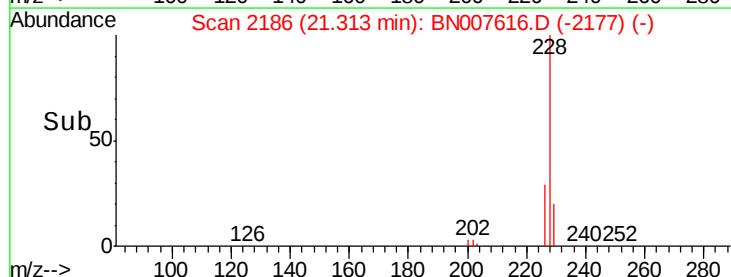
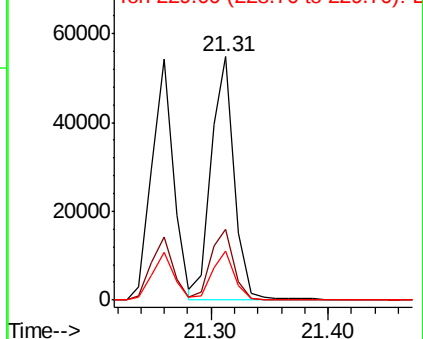
228 100

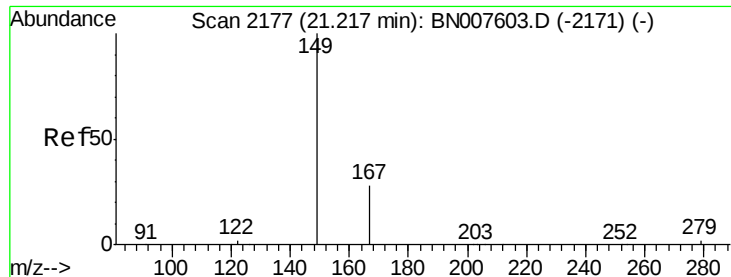
226 28.8 23.4 35.2

229 19.9 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

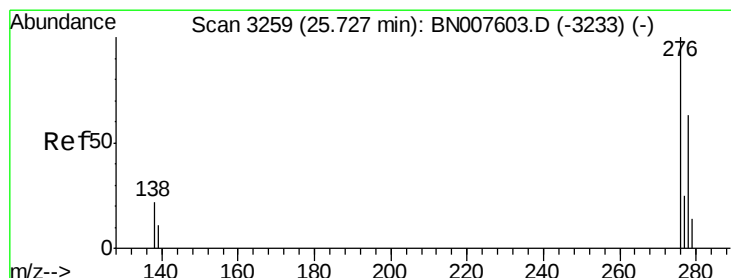
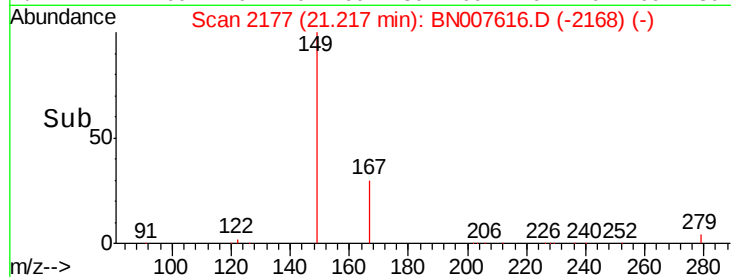
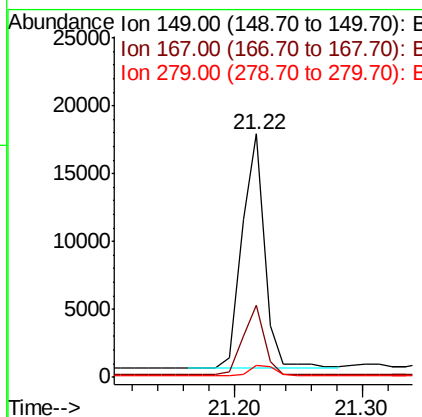
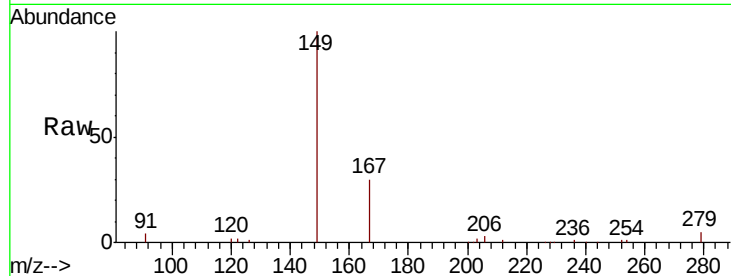




#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.273 ng  
 RT: 21.22 min Scan# 2177  
 Delta R.T. -0.00 min  
 Lab File: BN007616.D  
 Acq: 13 Sep 2019 08:40

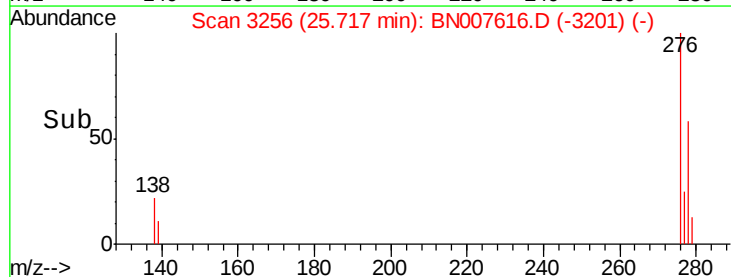
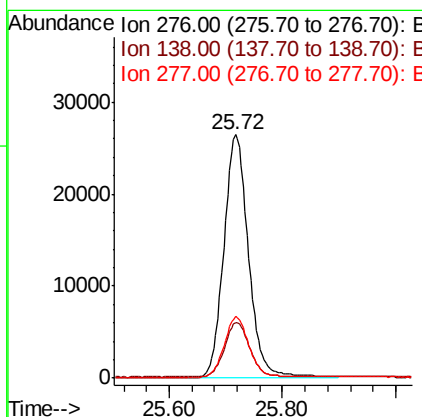
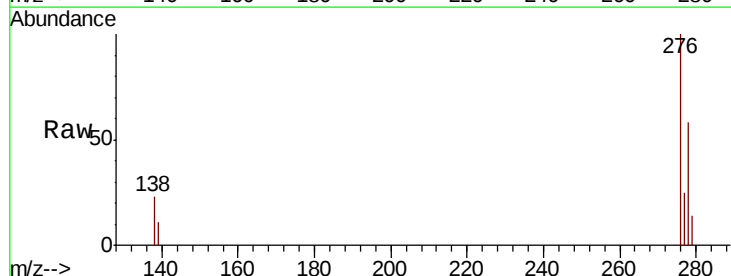
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB122692BS

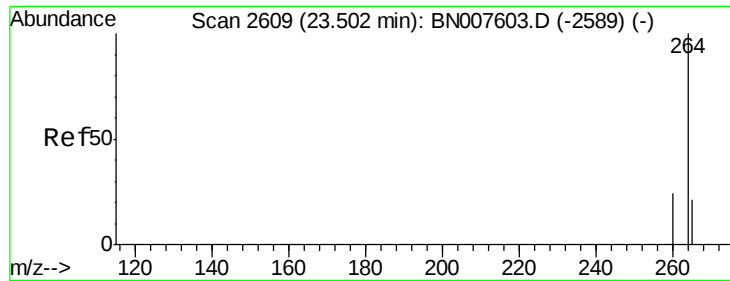
Tot Ion:149 Resp: 21149  
 Ion Ratio Lower Upper  
 149 100  
 167 28.1 22.6 34.0  
 279 4.6 3.8 5.6



#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.314 ng  
 RT: 25.72 min Scan# 3256  
 Delta R.T. -0.01 min  
 Lab File: BN007616.D  
 Acq: 13 Sep 2019 08:40

Tgt Ion:276 Resp: 79686  
 Ion Ratio Lower Upper  
 276 100  
 138 23.3 18.2 27.4  
 277 25.2 20.1 30.1

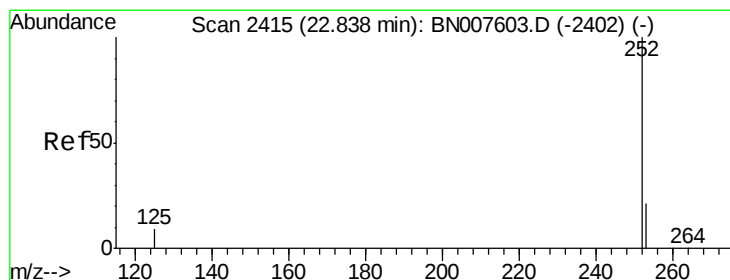
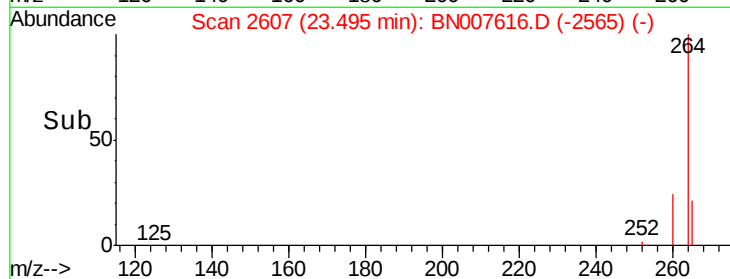
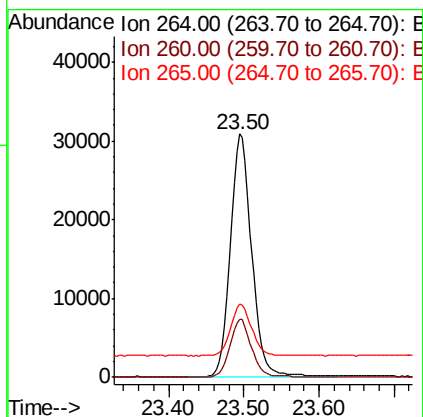
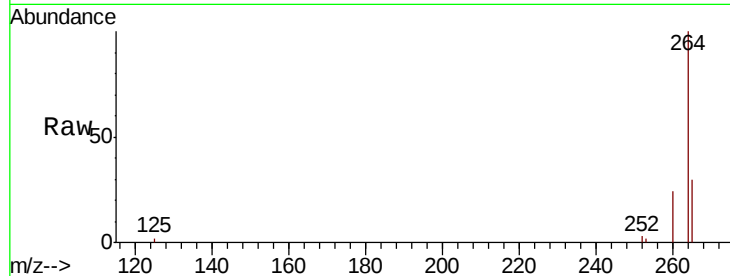




#34  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.50 min Scan# 2607  
Delta R.T. -0.01 min  
Lab File: BN007616.D  
Acq: 13 Sep 2019 08:40

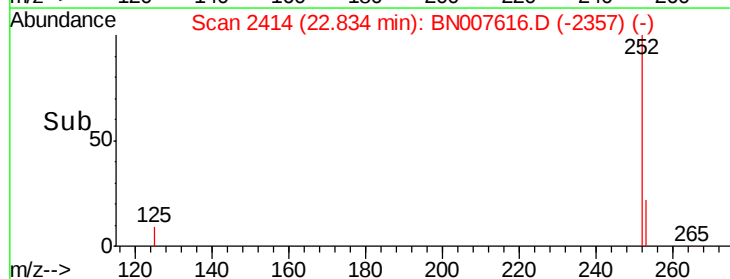
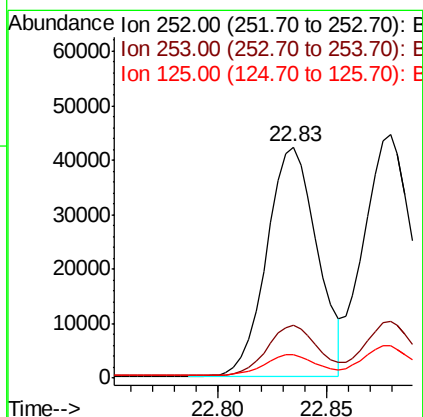
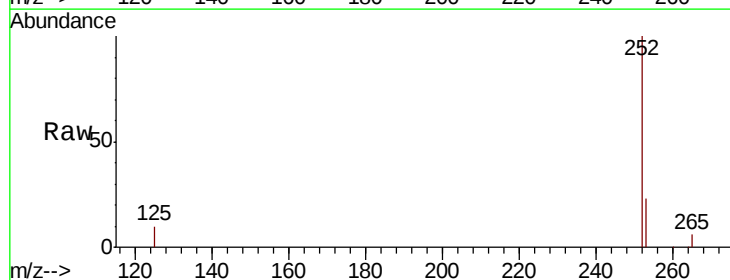
Instrument :  
BNA\_N  
ClientSampleId :  
PB122692BS

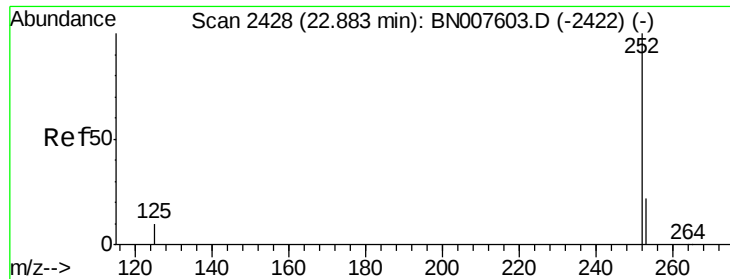
Tot Ion:264 Resp: 59204  
Ion Ratio Lower Upper  
264 100  
260 24.1 19.1 28.7  
265 30.0 24.6 37.0



#35  
Benzo(b)fluoranthene  
Concen: 0.315 ng  
RT: 22.83 min Scan# 2414  
Delta R.T. -0.00 min  
Lab File: BN007616.D  
Acq: 13 Sep 2019 08:40

Tgt Ion:252 Resp: 67747  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.8 26.8  
125 10.3 8.0 12.0





#36

Benzo(k)fluoranthene

Concen: 0.327 ng

RT: 22.88 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

Instrument :

BNA\_N

ClientSampleId :

PB122692BS

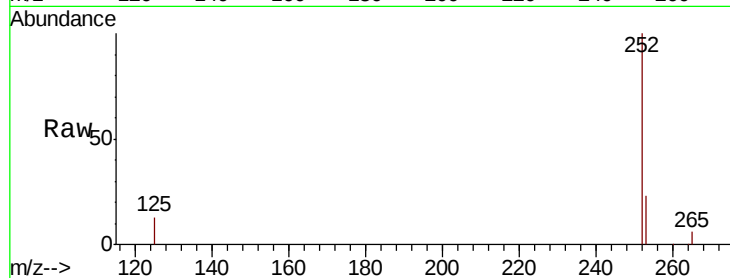
Tot Ion:252 Resp: 71922

Ion Ratio Lower Upper

252 100

253 23.3 18.3 27.5

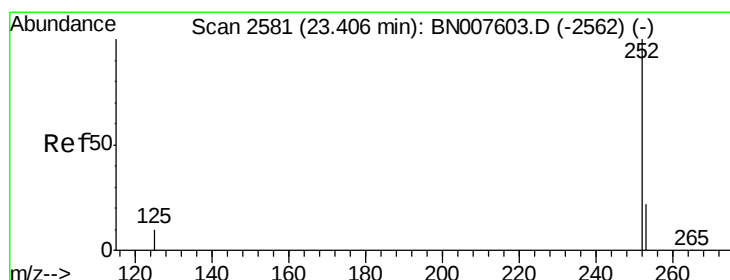
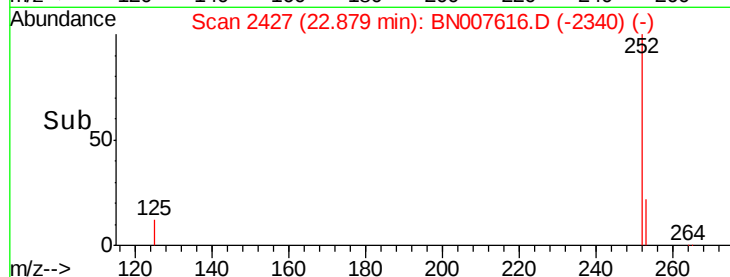
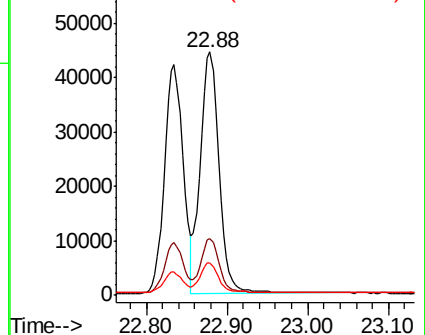
125 13.2 8.9 13.3



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



#37

Benzo(a)pyrene

Concen: 0.313 ng

RT: 23.40 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

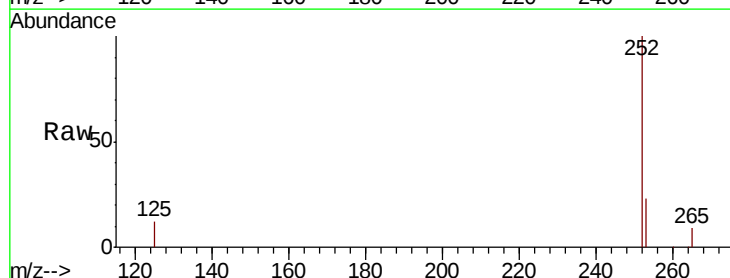
Tgt Ion:252 Resp: 59752

Ion Ratio Lower Upper

252 100

253 22.8 18.3 27.5

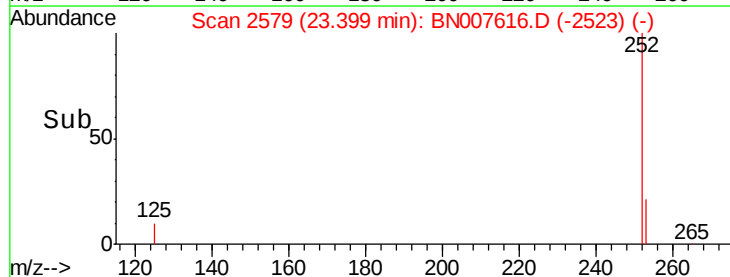
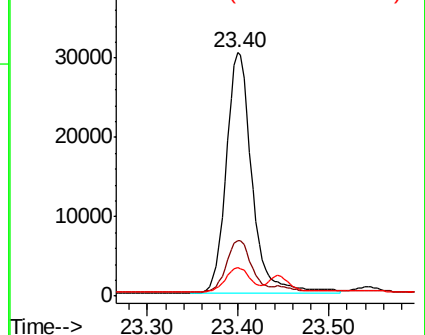
125 11.7 8.9 13.3

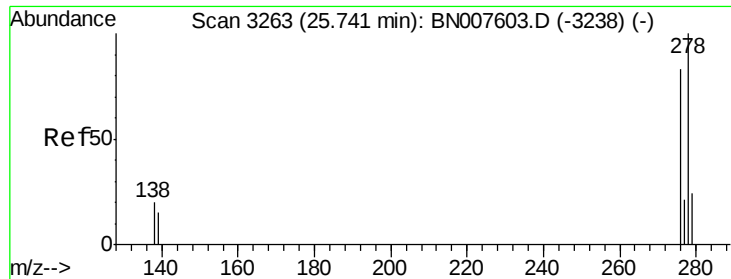


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.328 ng

RT: 25.73 min Scan# 3261

Delta R.T. -0.01 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

Instrument :

BNA\_N

ClientSampleId :

PB122692BS

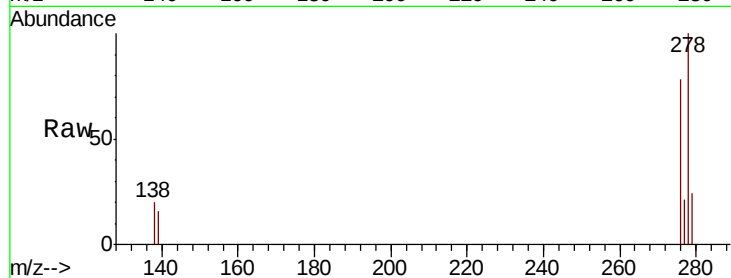
Tot Ion:278 Resp: 65431

Ion Ratio Lower Upper

278 100

139 15.7 12.6 18.8

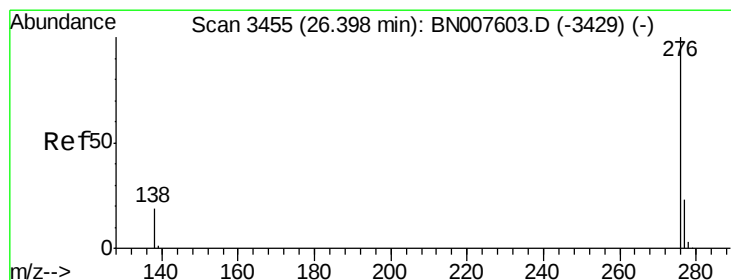
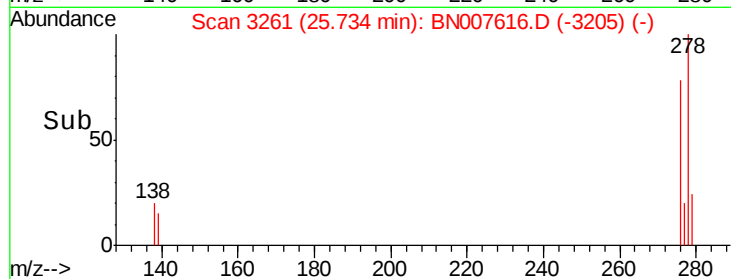
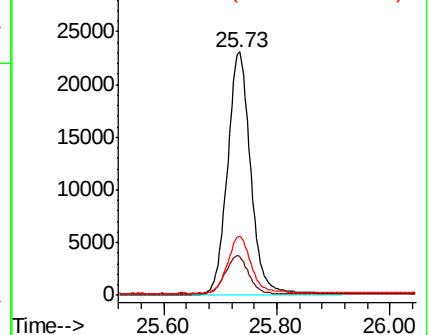
279 24.4 19.6 29.4



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(g,h,i)perylene

Concen: 0.323 ng

RT: 26.39 min Scan# 3453

Delta R.T. -0.01 min

Lab File: BN007616.D

Acq: 13 Sep 2019 08:40

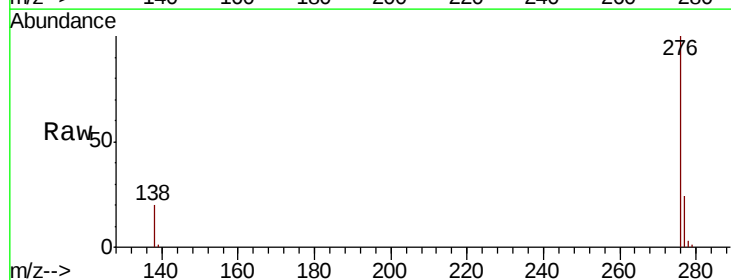
Tgt Ion:276 Resp: 63912

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 20.1 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

