

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090619\  
 Data File : BN007545.D  
 Acq On : 06 Sep 2019 17:00  
 Operator : HP/JU  
 Sample : SSTDC00.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 06 18:24:16 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 | 7.39  | 152  | 5759     | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.15 | 136  | 23226    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.04 | 164  | 12266    | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.79 | 188  | 27136    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.01 | 240  | 26637    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.11 | 264  | 29931    | 0.40 | ng    | -0.02    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.02  | 112 | 7178  | 0.36 | ng | -0.02 |
| 5) Phenol-d6                | 6.58  | 99  | 8483  | 0.33 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.53  | 82  | 7418  | 0.37 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 11.75 | 152 | 14315 | 0.37 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.55 | 330 | 1941  | 0.30 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.65 | 172 | 20567 | 0.42 | ng | -0.01 |
| 25) Fluoranthene-d10        | 18.84 | 212 | 32024 | 0.37 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.45 | 244 | 27767 | 0.40 | ng | -0.01 |

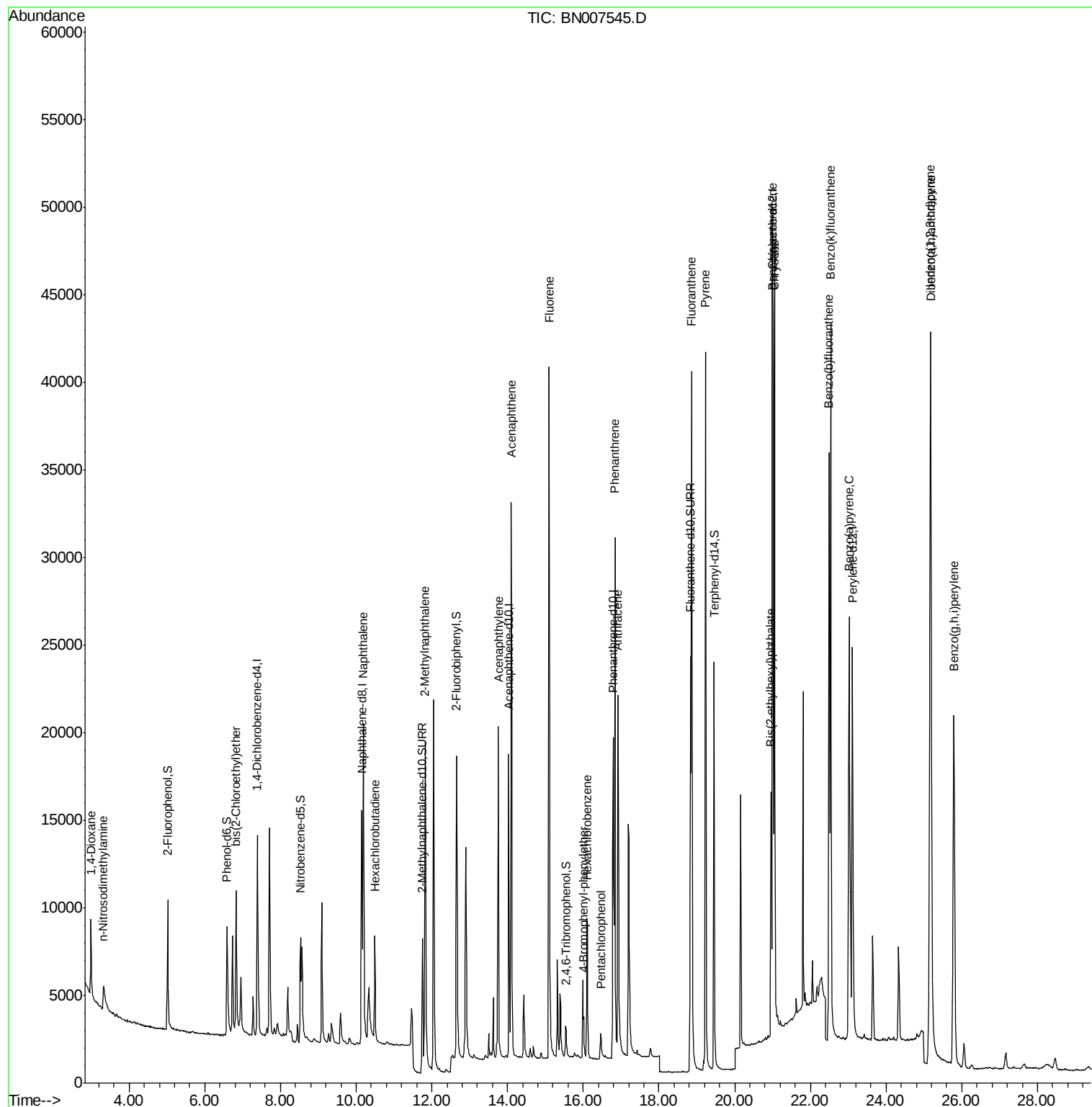
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.00  | 88  | 4275  | 0.447  | ng | # 82 |
| 3) n-Nitrosodimethylamine      | 3.33  | 42  | 1274  | 0.287  | ng | # 77 |
| 6) bis(2-Chloroethyl)ether     | 6.83  | 93  | 7890  | 0.379  | ng | 99   |
| 9) Naphthalene                 | 10.19 | 128 | 26575 | 0.400  | ng | # 90 |
| 10) Hexachlorobutadiene        | 10.49 | 225 | 4895  | 0.360  | ng | # 97 |
| 12) 2-Methylnaphthalene        | 11.82 | 142 | 17298 | 0.383  | ng | 95   |
| 16) Acenaphthylene             | 13.75 | 152 | 23750 | 0.327  | ng | 99   |
| 17) Acenaphthene               | 14.10 | 154 | 16823 | 0.396  | ng | 98   |
| 18) Fluorene                   | 15.10 | 166 | 21254 | 0.396  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248 | 1177  | 0.110  | ng | 90   |
| 21) Hexachlorobenzene          | 16.11 | 284 | 7379  | 0.406  | ng | 97   |
| 22) Pentachlorophenol          | 16.46 | 266 | 1375  | 0.243  | ng | # 64 |
| 23) Phenanthrene               | 16.83 | 178 | 34605 | 0.424  | ng | 99   |
| 24) Anthracene                 | 16.92 | 178 | 29374 | 0.358  | ng | 99   |
| 26) Fluoranthene               | 18.87 | 202 | 40838 | 0.390  | ng | 99   |
| 28) Pyrene                     | 19.23 | 202 | 41790 | 0.390  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.00 | 228 | 36014 | 0.344  | ng | 99   |
| 31) Chrysene                   | 21.05 | 228 | 42720 | 0.423  | ng | 99   |
| 32) Bis(2-ethylhexyl)phthalate | 20.95 | 149 | 15936 | 0.216  | ng | 98   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.17 | 276 | 52993 | 0.436  | ng | # 95 |
| 35) Benzo(b)fluoranthene       | 22.49 | 252 | 41631 | 0.384  | ng | 96   |
| 36) Benzo(k)fluoranthene       | 22.54 | 252 | 48210 | 0.450  | ng | # 95 |
| 37) Benzo(a)pyrene             | 23.02 | 252 | 39374 | 0.382  | ng | 96   |
| 38) Dibenzo(a,h)anthracene     | 25.18 | 278 | 42241 | 0.410  | ng | 97   |
| 39) Benzo(g,h,i)perylene       | 25.79 | 276 | 42985 | 0.419  | ng | 99   |

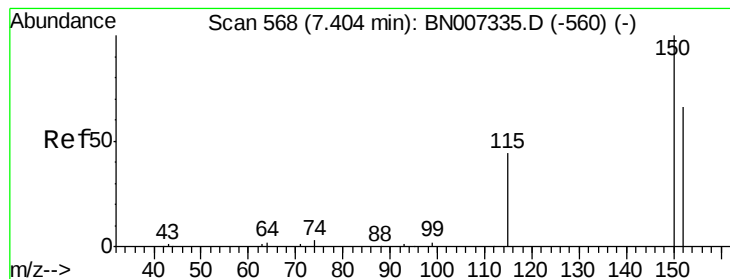
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090619\  
Data File : BN007545.D  
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Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Sep 06 18:24:16 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 566

Delta R.T. -0.02 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Instrument :

BNA\_G

ClientSampleId :

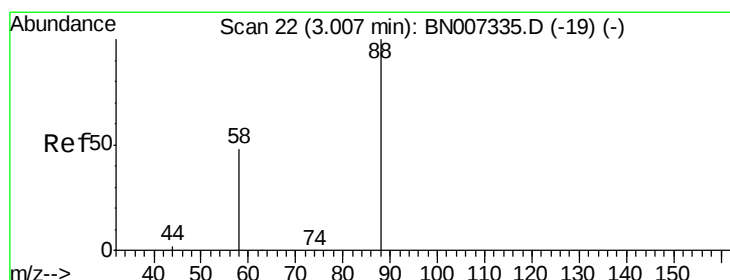
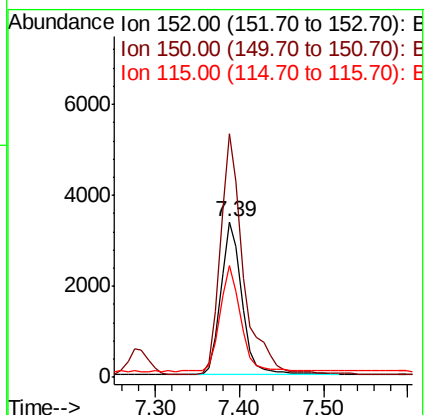
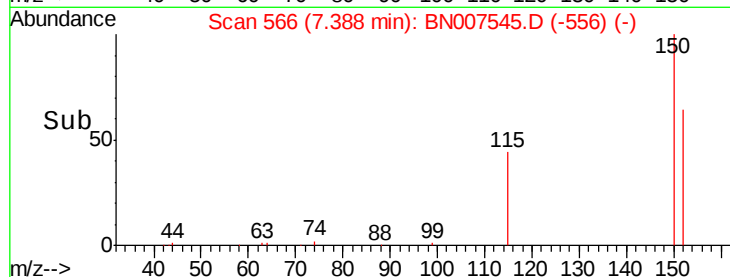
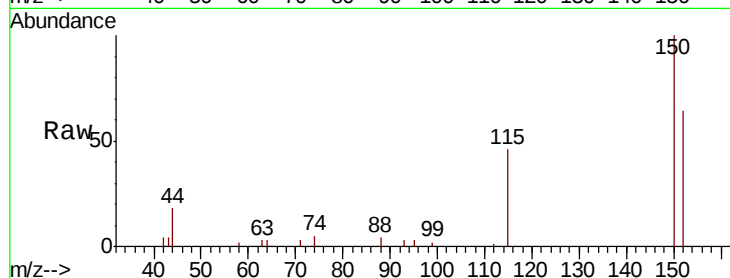
Tot Ion:152 Resp: 5759

Ion Ratio Lower Upper

152 100

150 156.7 109.1 163.7

115 71.9 59.6 89.4



#2

1,4-Dioxane

Concen: 0.447 ng

RT: 3.00 min Scan# 21

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

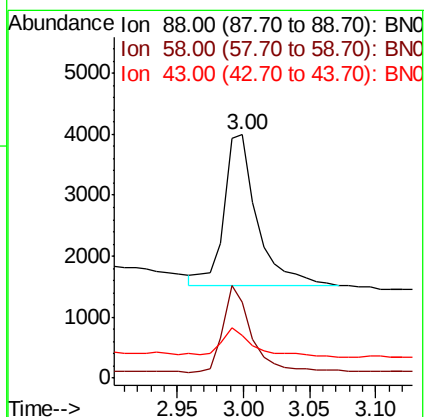
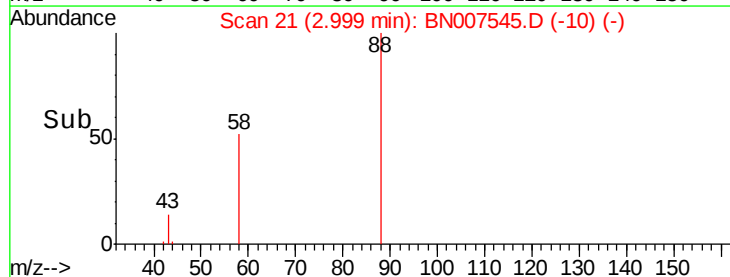
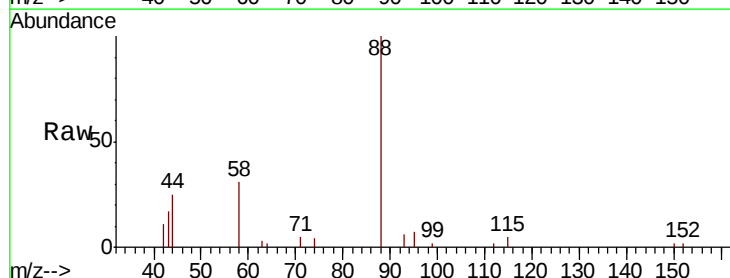
Tgt Ion: 88 Resp: 4275

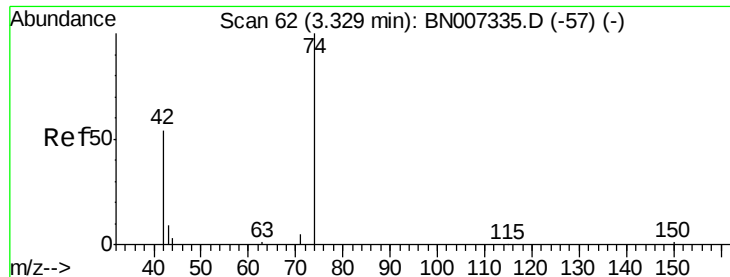
Ion Ratio Lower Upper

88 100

58 49.3 50.5 75.7#

43 17.6 0.0 0.0#





#3

n-Nitrosodimethylamine

Concen: 0.287 ng

RT: 3.33 min Scan# 62

Delta R.T. 0.00 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Instrument :

BNA\_G

ClientSampleId :

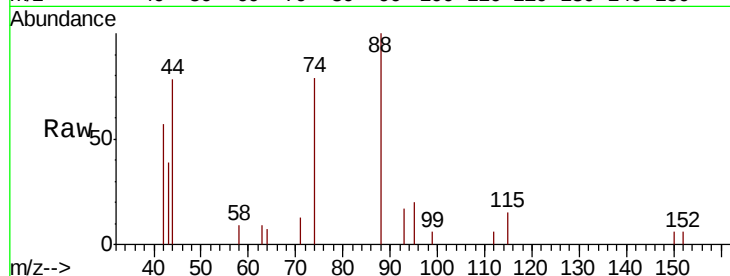
Tot Ion: 42 Resp: 1274

Ion Ratio Lower Upper

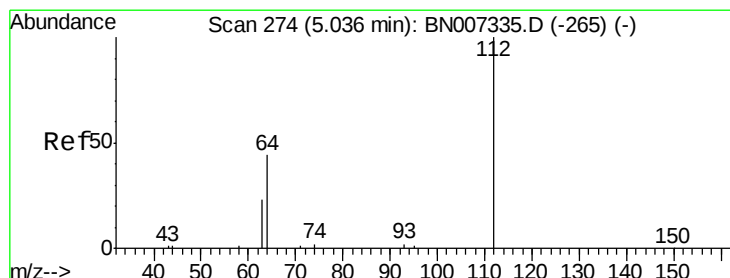
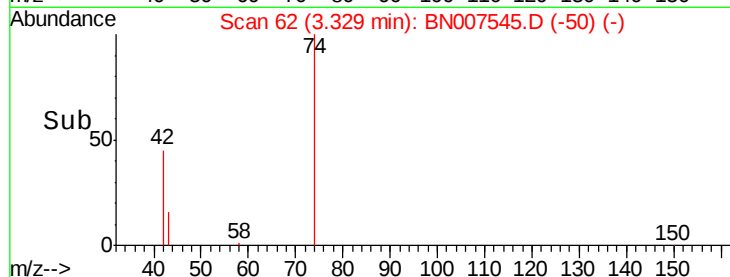
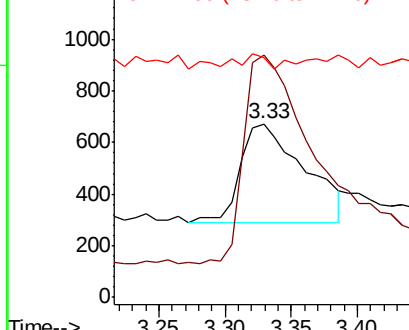
42 100

74 214.4 144.7 217.1

44 5.7 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: 0.356 ng

RT: 5.02 min Scan# 272

Delta R.T. -0.02 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

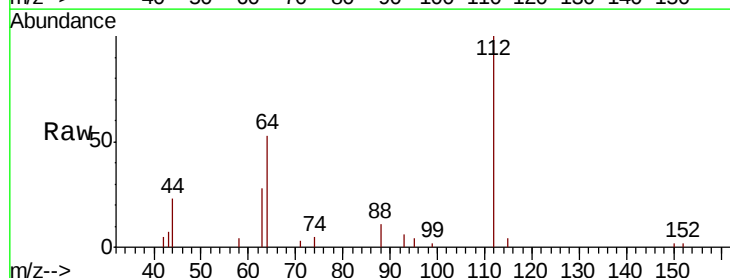
Tgt Ion: 112 Resp: 7178

Ion Ratio Lower Upper

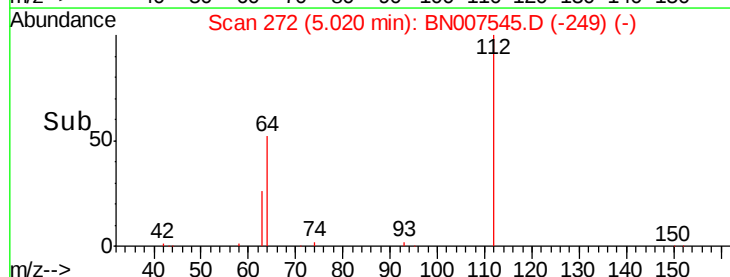
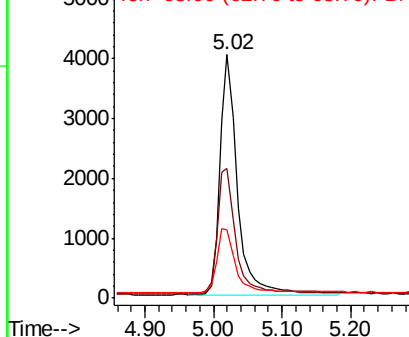
112 100

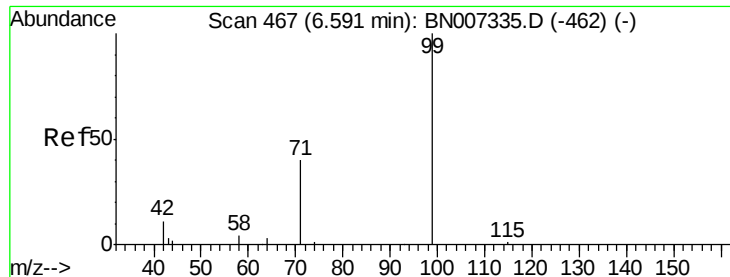
64 54.8 42.3 63.5

63 29.0 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: 0.328 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Instrument :

BNA\_G

ClientSampled :

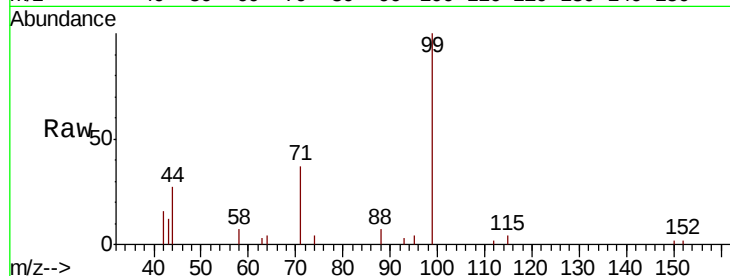
Tot Ion: 99 Resp: 8483

Ion Ratio Lower Upper

99 100

42 10.6 11.2 16.8#

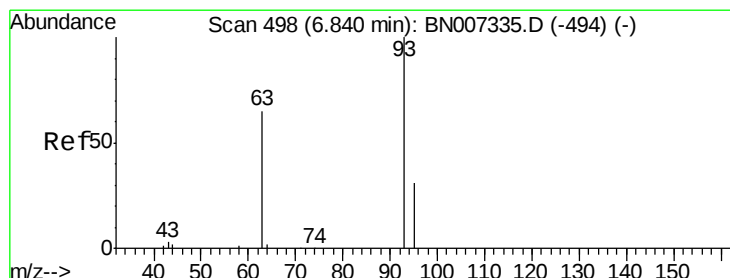
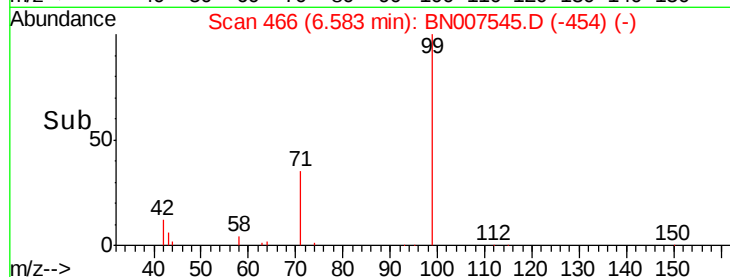
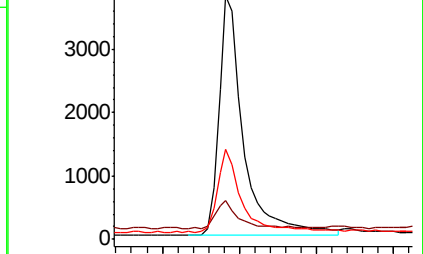
71 34.8 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007545.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007545.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007545.D (-462) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.379 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

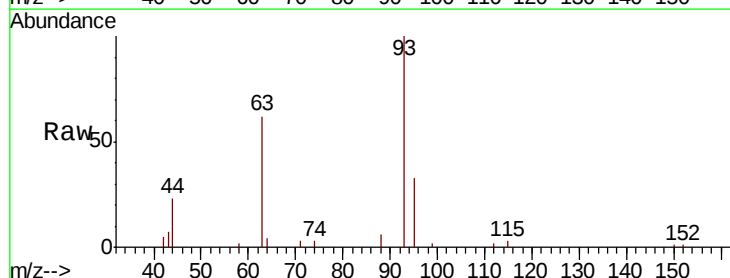
Tgt Ion: 93 Resp: 7890

Ion Ratio Lower Upper

93 100

63 65.6 51.9 77.9

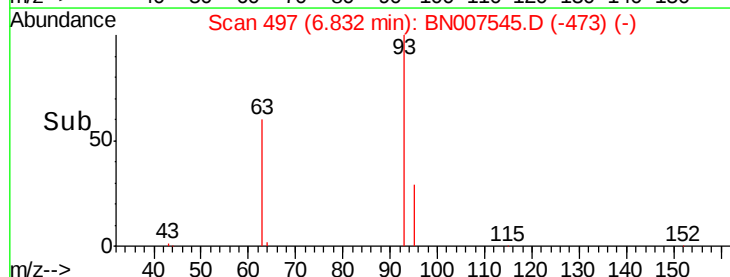
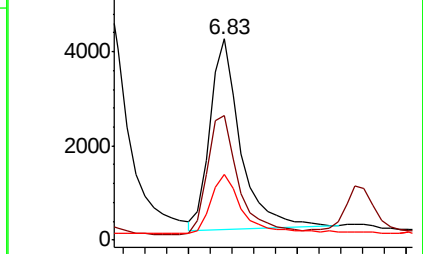
95 33.5 27.7 41.5

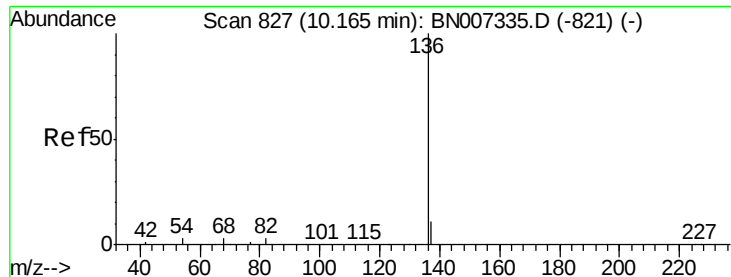


Abundance Ion 93.00 (92.70 to 93.70): BN007545.D (-494) (-)

Ion 63.00 (62.70 to 63.70): BN007545.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN007545.D (-494) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 23226

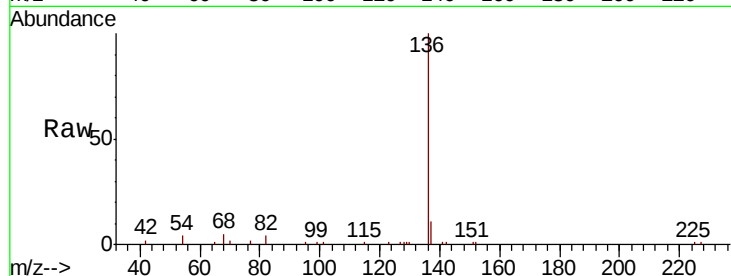
Ion Ratio Lower Upper

136 100

137 11.2 12.9 19.3#

54 4.0 8.6 12.8#

68 5.5 17.0 25.4#

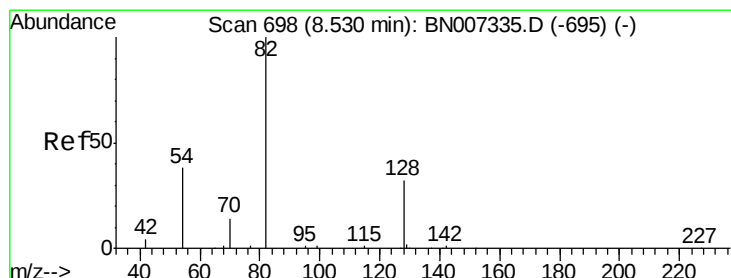
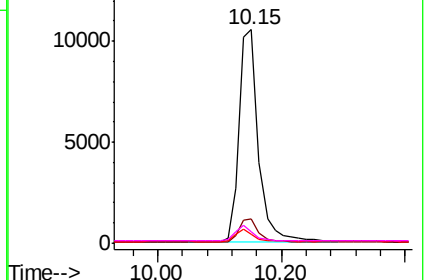
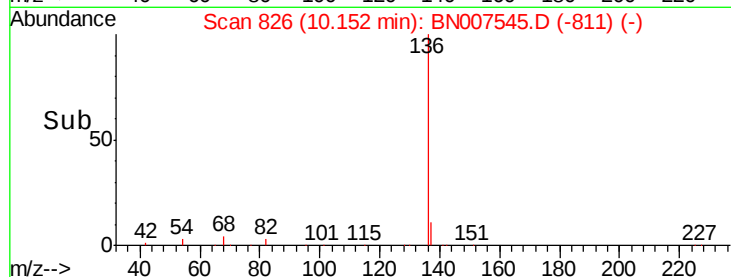


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.367 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

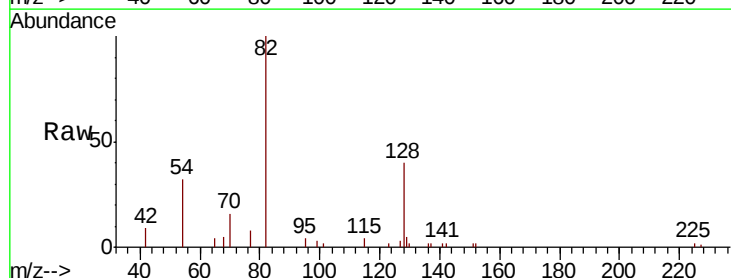
Tgt Ion: 82 Resp: 7418

Ion Ratio Lower Upper

82 100

128 39.5 19.7 29.5#

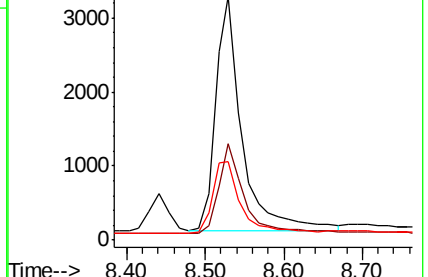
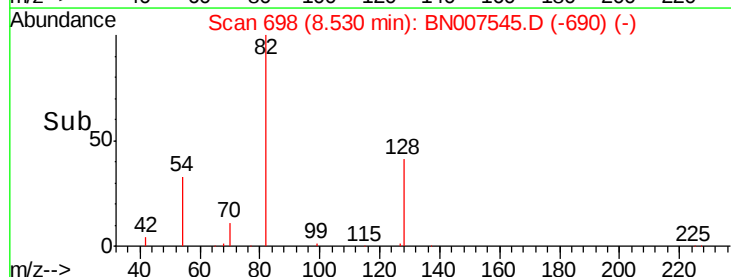
54 32.3 25.8 38.6

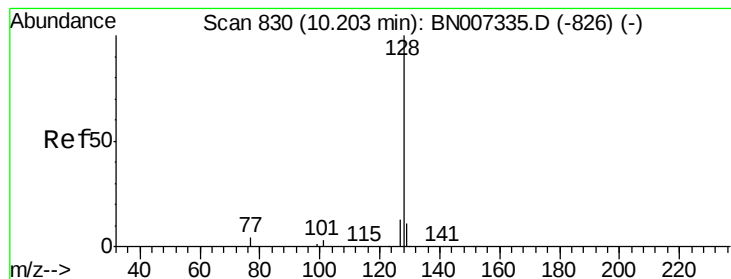


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.400 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Instrument :

BNA\_G

ClientSampleId :

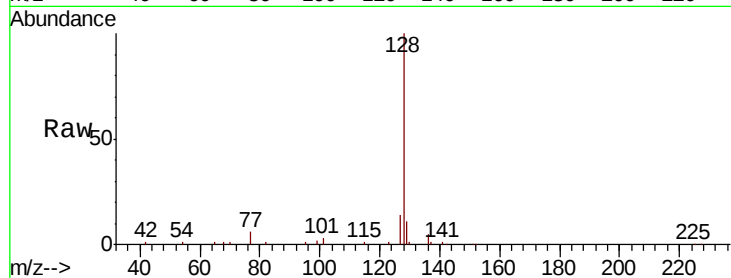
Tot Ion:128 Resp: 26575

Ion Ratio Lower Upper

128 100

129 11.2 11.1 16.7

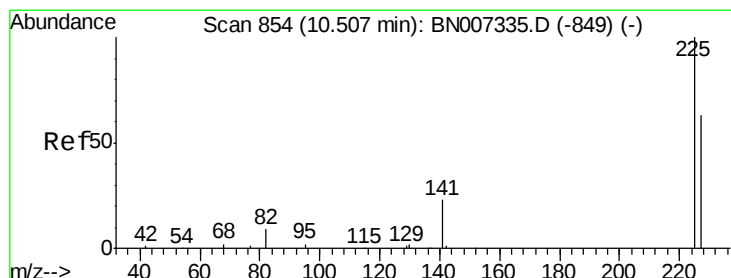
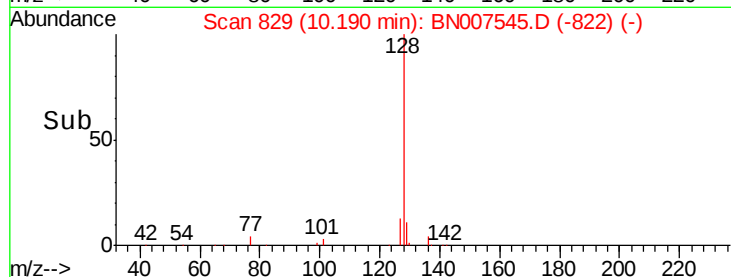
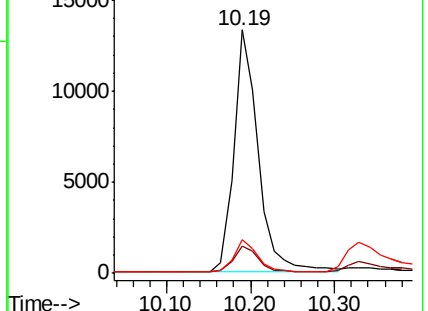
127 13.7 15.5 23.3#



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: 0.360 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

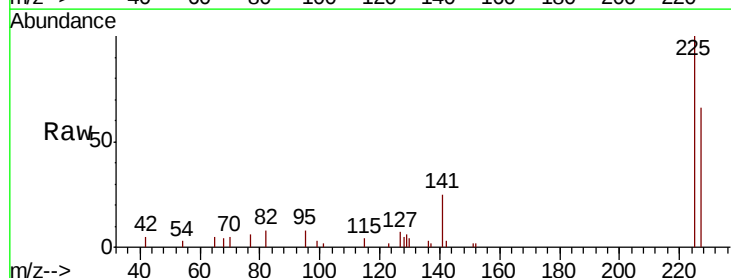
Tgt Ion:225 Resp: 4895

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

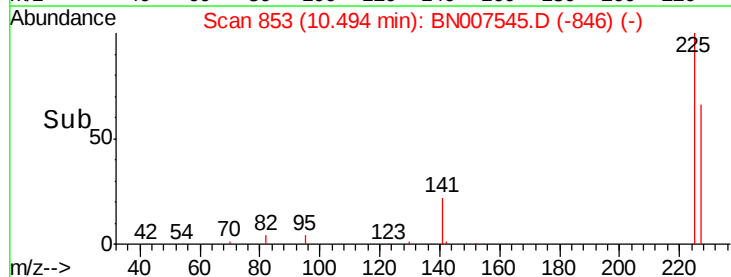
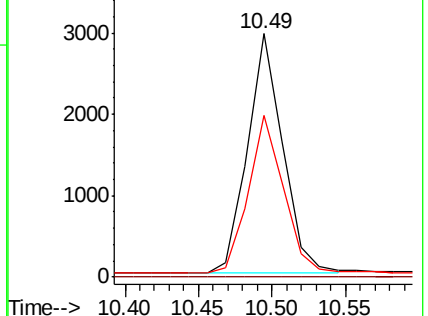
227 65.6 50.7 76.1

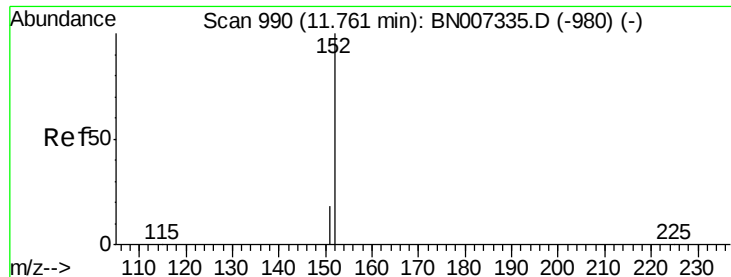


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

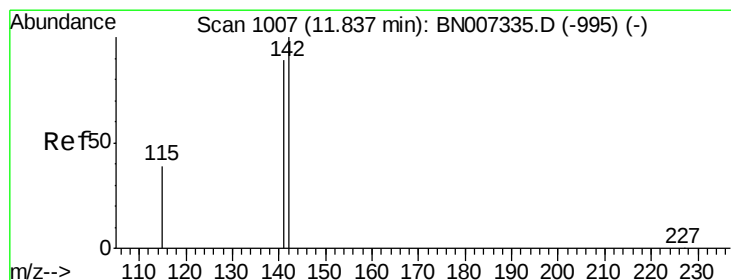
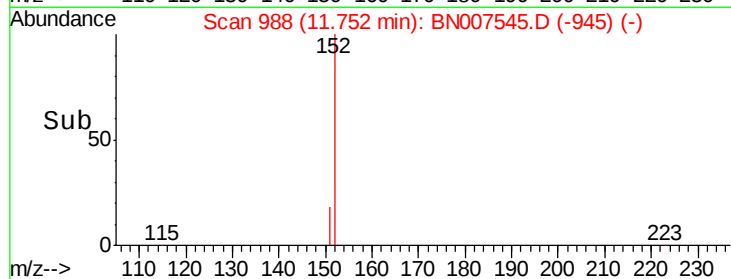
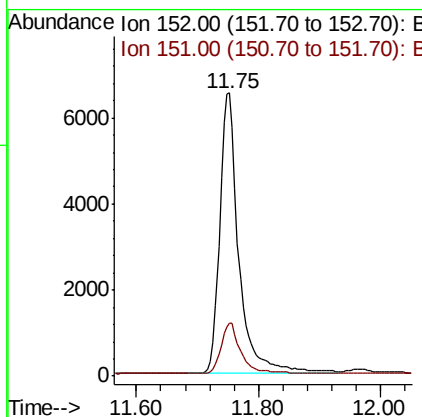
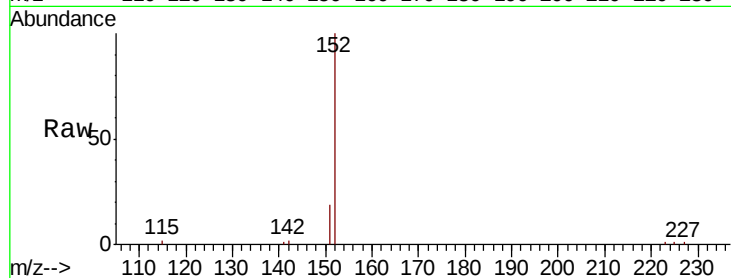




#11  
2-Methylnaphthalene-d10  
Concen: 0.371 ng  
RT: 11.75 min Scan# 988  
Delta R.T. -0.01 min  
Lab File: BN007545.D  
Acq: 06 Sep 2019 17:00

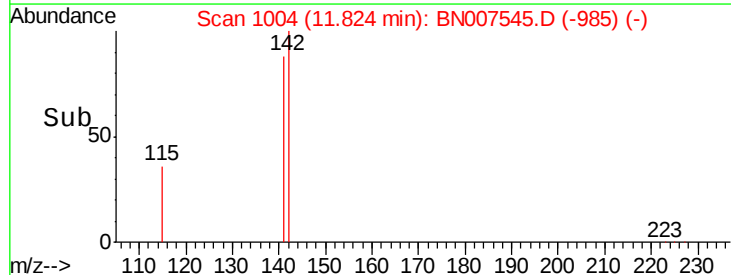
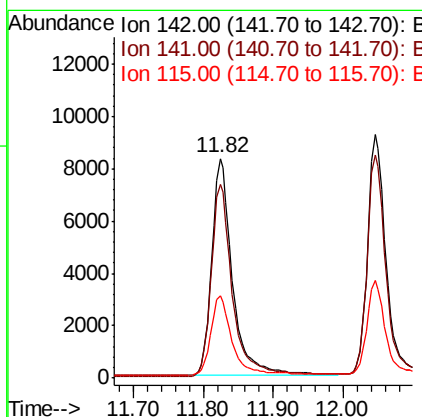
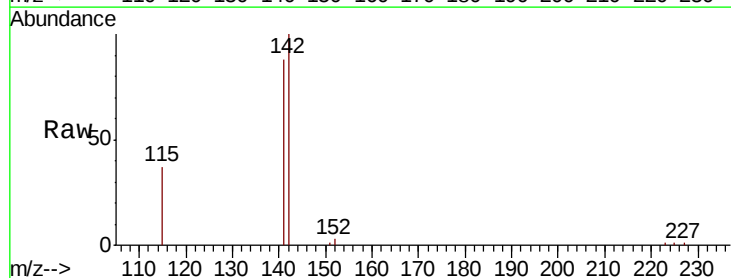
Instrument :  
BNA\_G  
ClientSampleId :

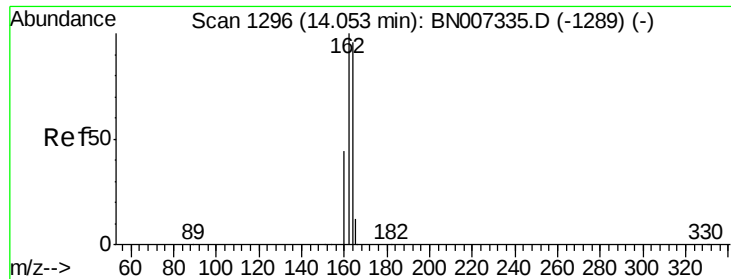
Tot Ion:152 Resp: 14315  
Ion Ratio Lower Upper  
152 100  
151 19.0 16.2 24.2



#12  
2-Methylnaphthalene  
Concen: 0.383 ng  
RT: 11.82 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BN007545.D  
Acq: 06 Sep 2019 17:00

Tgt Ion:142 Resp: 17298  
Ion Ratio Lower Upper  
142 100  
141 88.3 72.8 109.2  
115 37.4 35.2 52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Instrument :

BNA\_G

ClientSampleId :

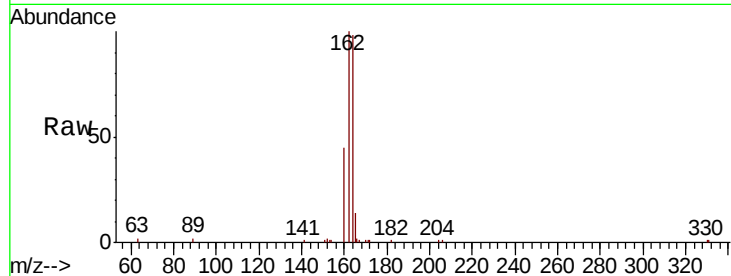
Tot Ion:164 Resp: 12266

Ion Ratio Lower Upper

164 100

162 101.5 83.5 125.3

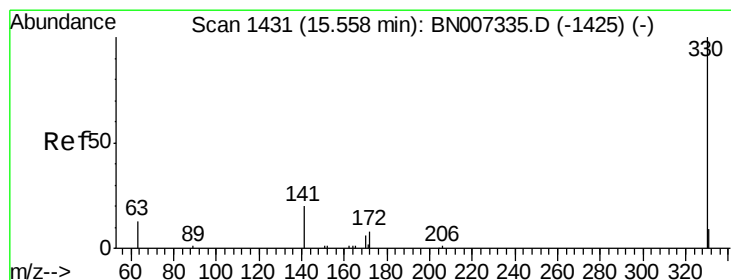
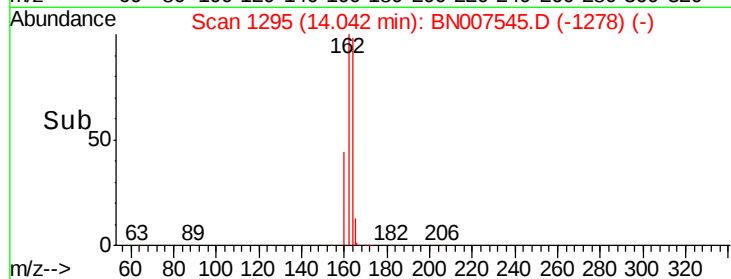
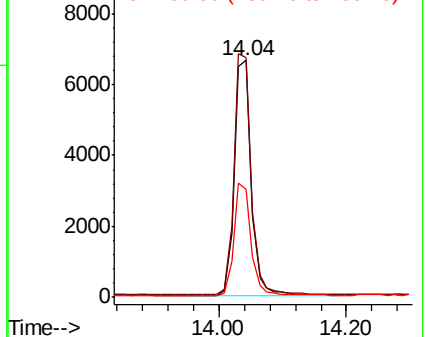
160 45.6 38.2 57.4



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: 0.302 ng

RT: 15.55 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

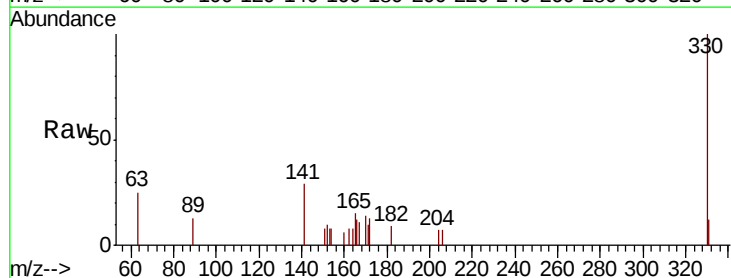
Tgt Ion:330 Resp: 1941

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

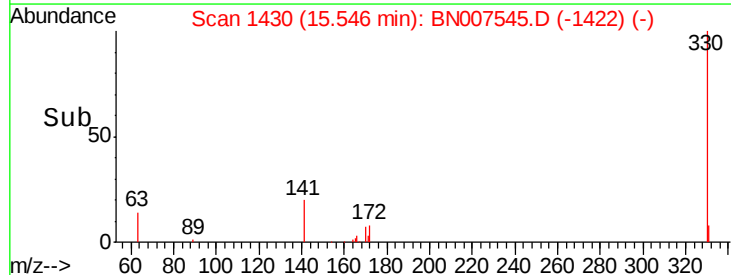
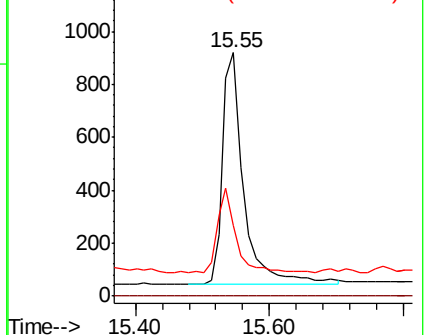
141 32.3 26.9 40.3

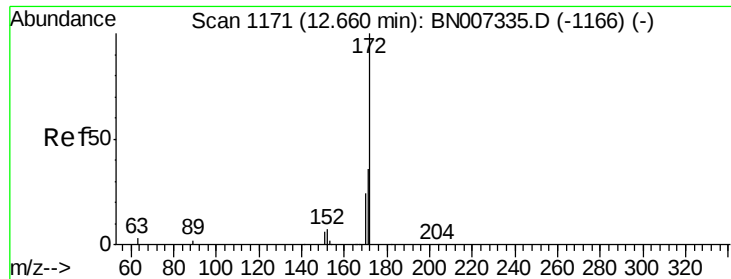


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

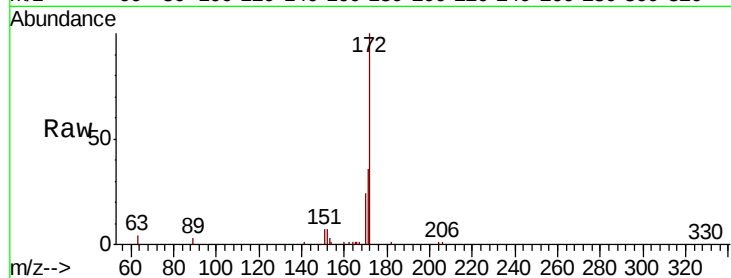




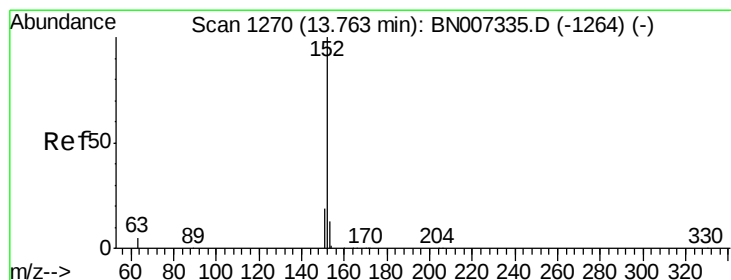
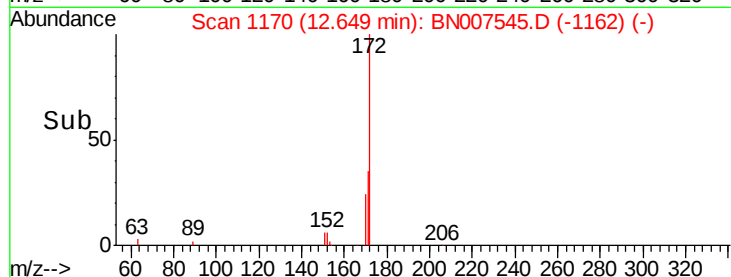
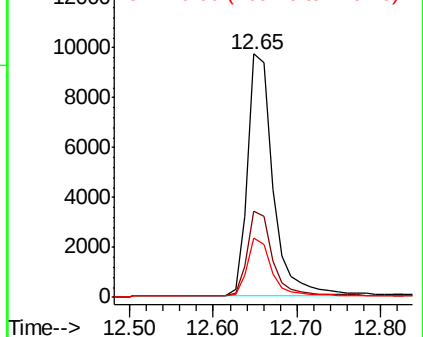
#15  
2-Fluorobiphenyl  
Concen: 0.416 ng  
RT: 12.65 min Scan# 1170  
Delta R.T. -0.01 min  
Lab File: BN007545.D  
Acq: 06 Sep 2019 17:00

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 30.3  | 45.5  |
| 170     | 24.3  | 20.7  | 31.1  |

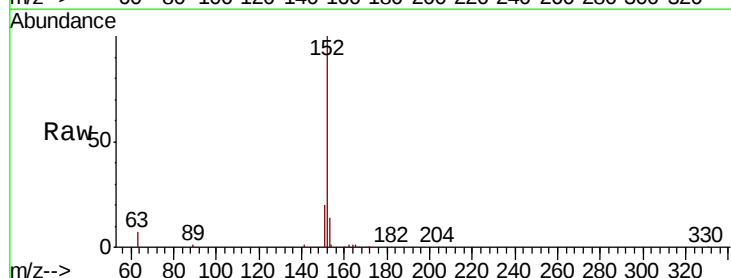


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

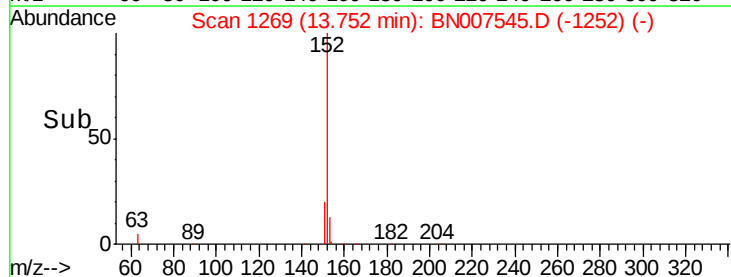
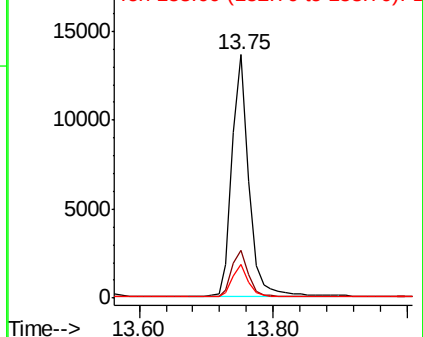


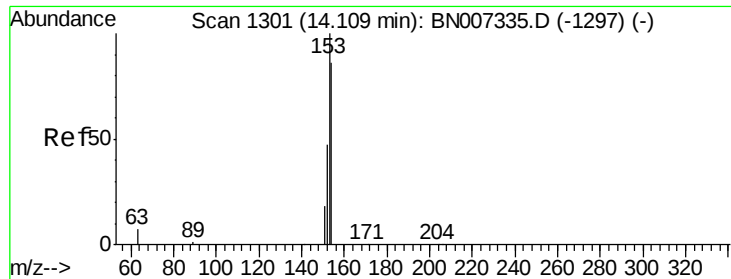
#16  
Acenaphthylene  
Concen: 0.327 ng  
RT: 13.75 min Scan# 1269  
Delta R.T. -0.01 min  
Lab File: BN007545.D  
Acq: 06 Sep 2019 17:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.7  | 16.1  | 24.1  |
| 153     | 13.3  | 10.6  | 15.8  |



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

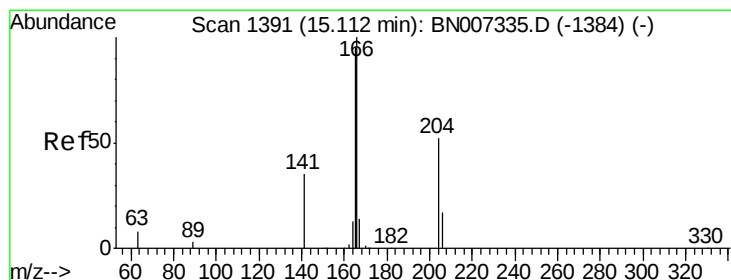
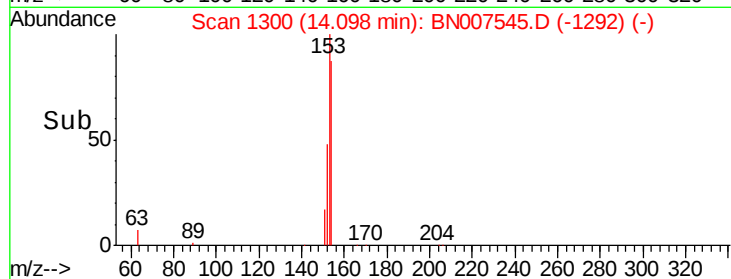
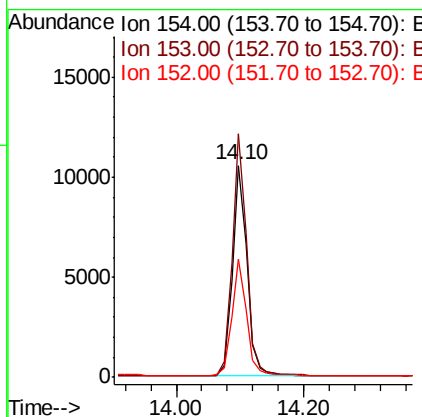
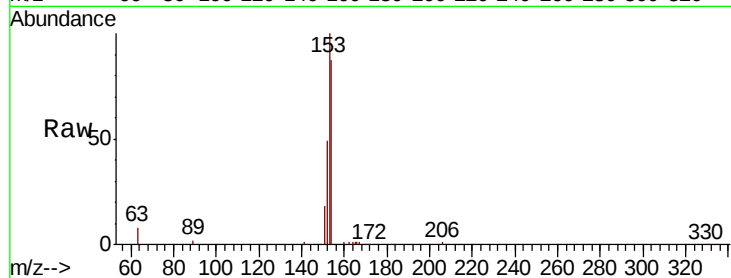




#17  
Acenaphthene  
Concen: 0.396 ng  
RT: 14.10 min Scan# 1300  
Delta R.T. -0.01 min  
Lab File: BN007545.D  
Acq: 06 Sep 2019 17:00

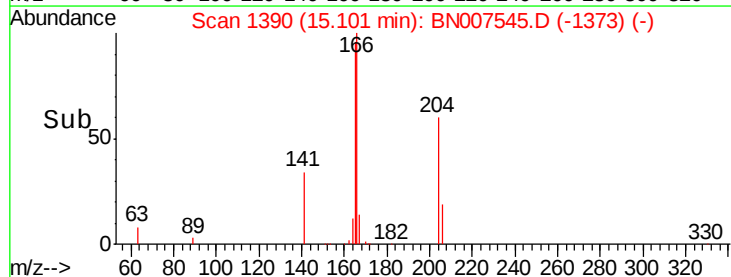
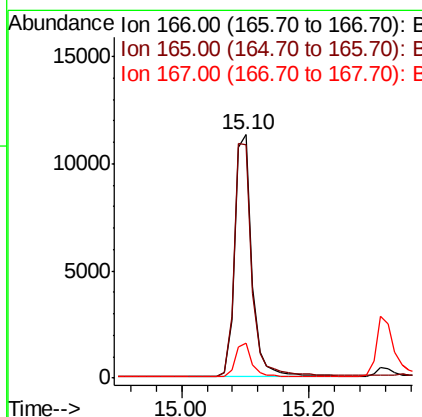
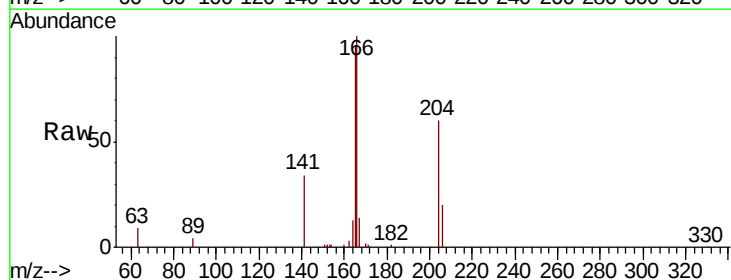
Instrument :  
BNA\_G  
ClientSampleId :

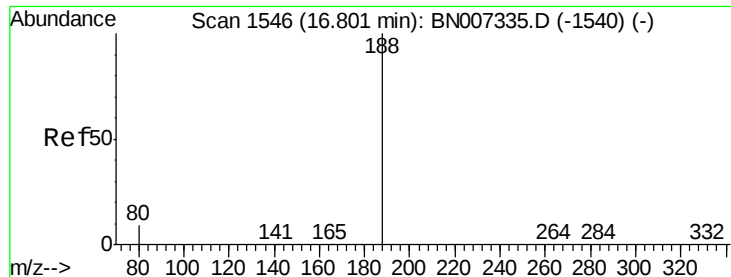
Tot Ion:154 Resp: 16823  
Ion Ratio Lower Upper  
154 100  
153 113.5 92.8 139.2  
152 54.5 43.8 65.8



#18  
Fluorene  
Concen: 0.396 ng  
RT: 15.10 min Scan# 1390  
Delta R.T. -0.01 min  
Lab File: BN007545.D  
Acq: 06 Sep 2019 17:00

Tgt Ion:166 Resp: 21254  
Ion Ratio Lower Upper  
166 100  
165 97.9 79.0 118.4  
167 13.5 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1545

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Instrument :

BNA\_G

ClientSampleId :

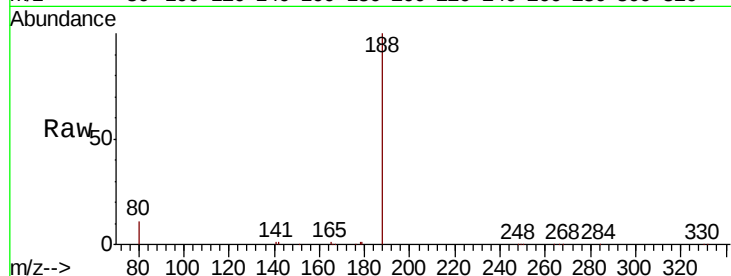
Tot Ion:188 Resp: 27136

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

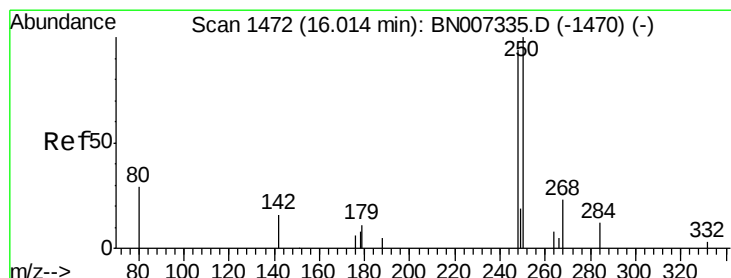
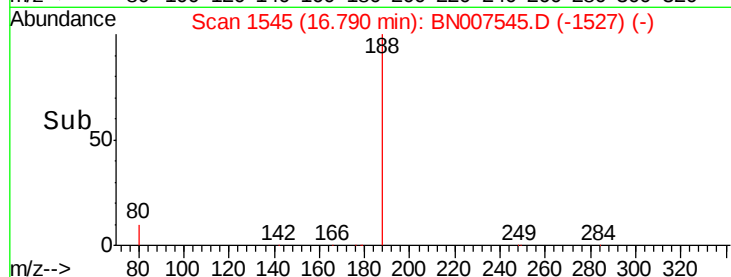
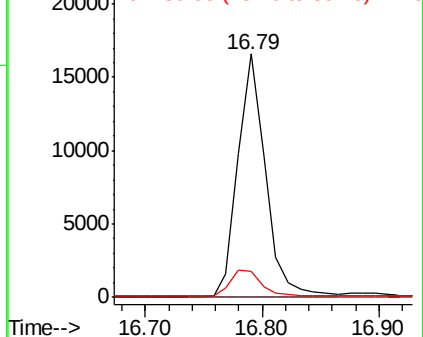
80 10.9 11.8 17.8#



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: 0.110 ng

RT: 16.01 min Scan# 1472

Delta R.T. 0.00 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

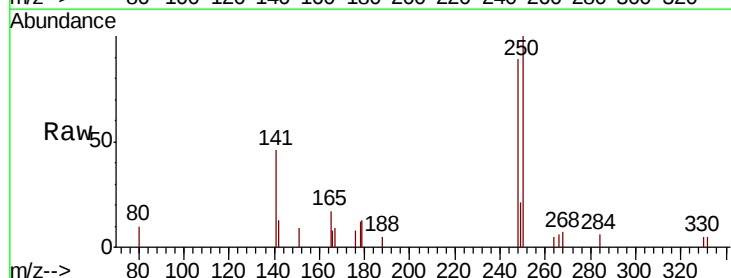
Tgt Ion:248 Resp: 1177

Ion Ratio Lower Upper

248 100

250 112.6 85.0 127.6

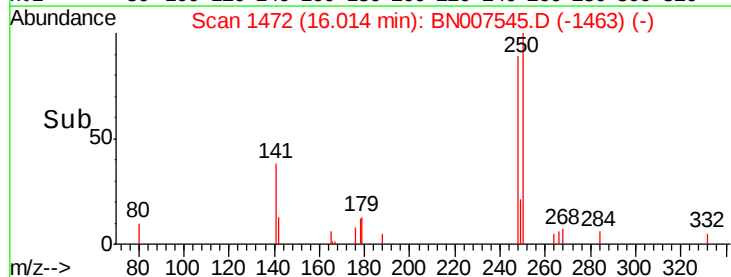
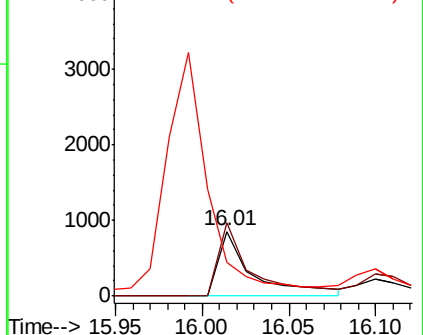
141 52.0 51.7 77.5

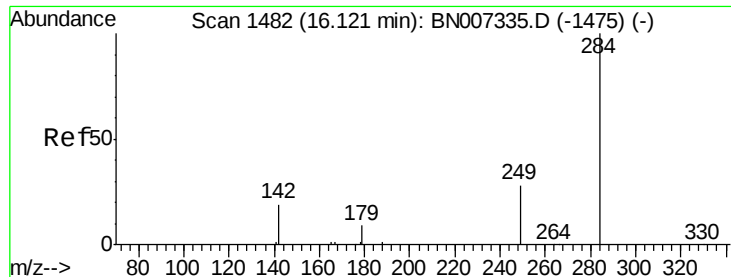


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

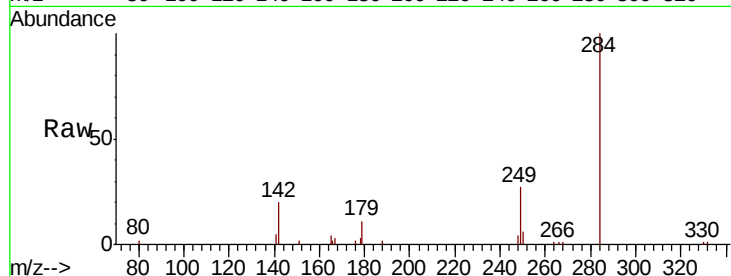




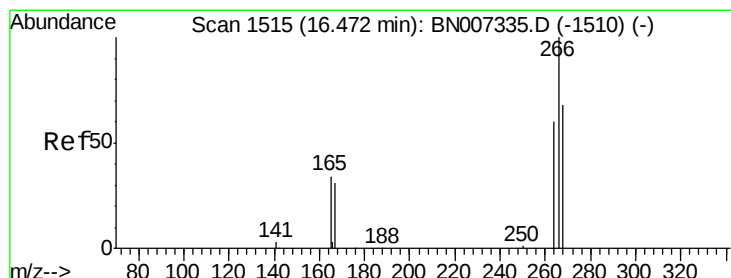
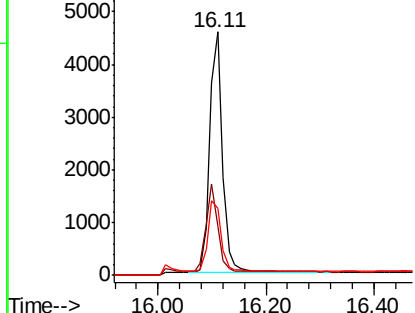
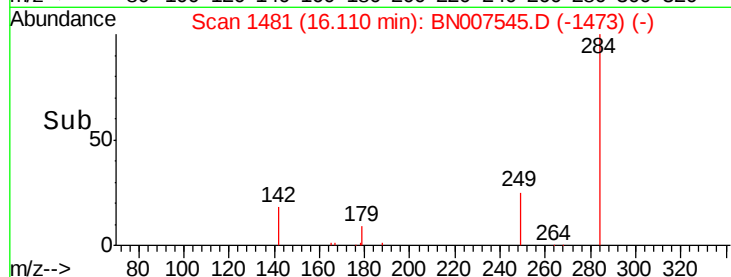
#21  
Hexachlorobenzene  
Concen: 0.406 ng  
RT: 16.11 min Scan# 1481  
Delta R.T. -0.01 min  
Lab File: BN007545.D  
Acq: 06 Sep 2019 17:00

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:284 Resp: 7379  
Ion Ratio Lower Upper  
284 100  
142 33.9 29.0 43.6  
249 30.2 24.9 37.3

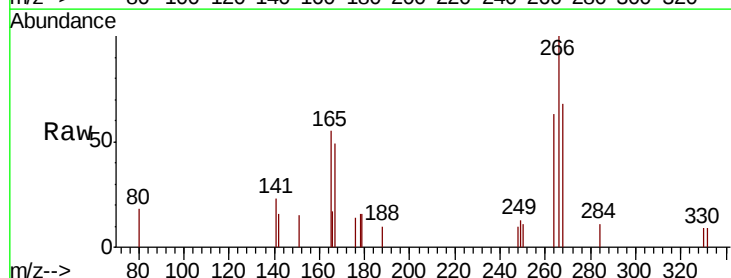


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

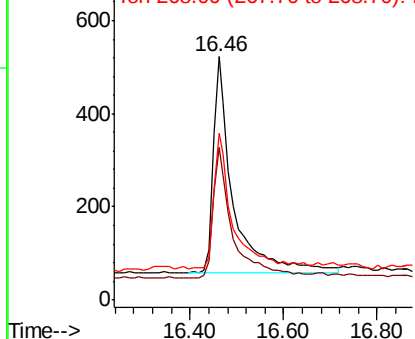
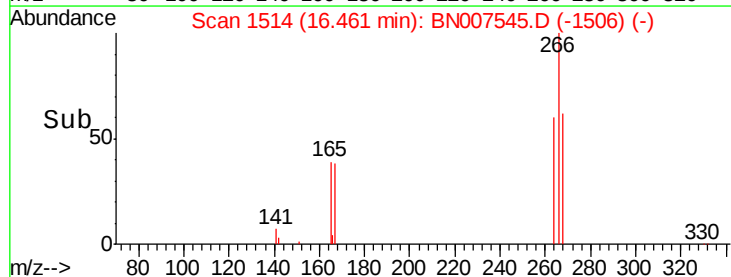


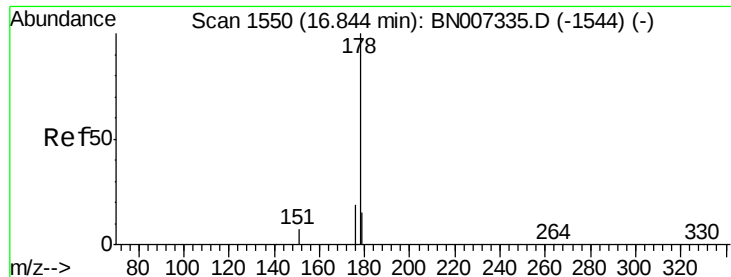
#22  
Pentachlorophenol  
Concen: 0.243 ng  
RT: 16.46 min Scan# 1514  
Delta R.T. -0.01 min  
Lab File: BN007545.D  
Acq: 06 Sep 2019 17:00

Tgt Ion:266 Resp: 1375  
Ion Ratio Lower Upper  
266 100  
264 62.7 57.8 86.8  
268 68.3 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: 0.424 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Instrument :

BNA\_G

ClientSampleId :

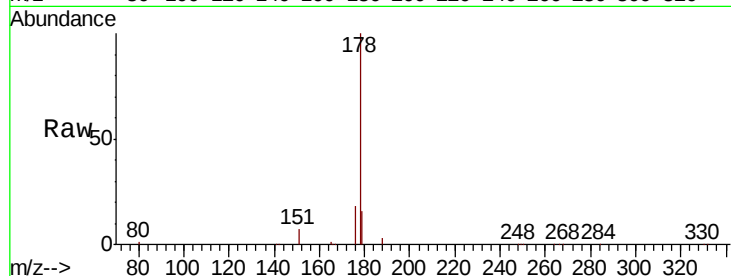
Tot Ion:178 Resp: 34605

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

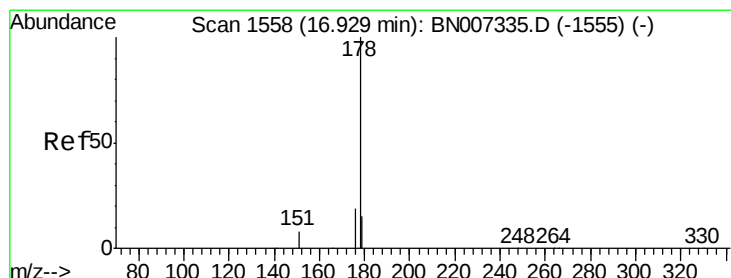
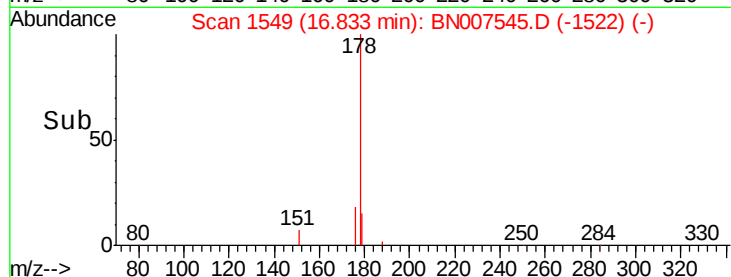
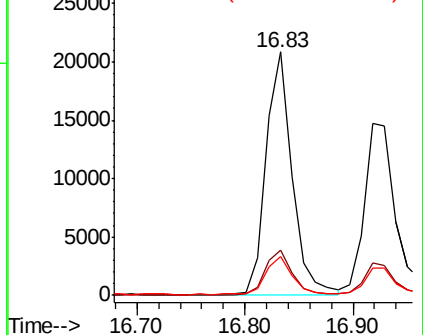
179 15.6 12.6 19.0



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: 0.358 ng

RT: 16.92 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

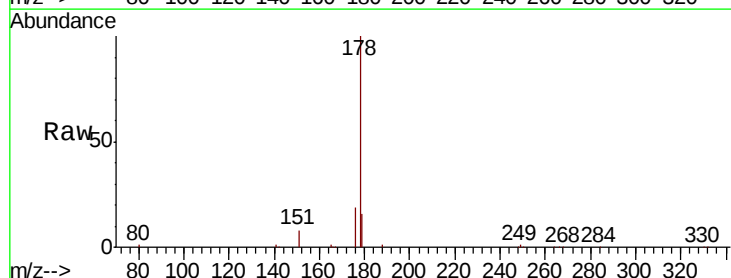
Tgt Ion:178 Resp: 29374

Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

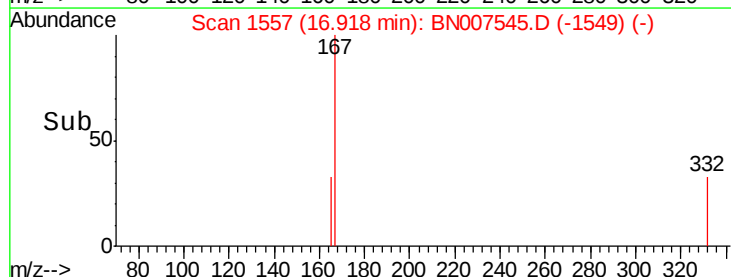
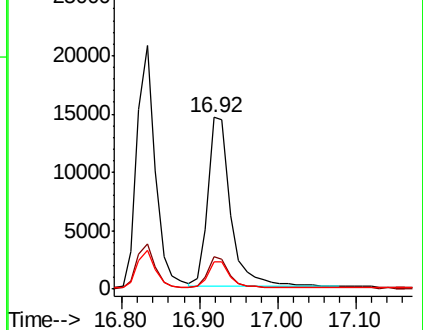
179 15.3 12.4 18.6

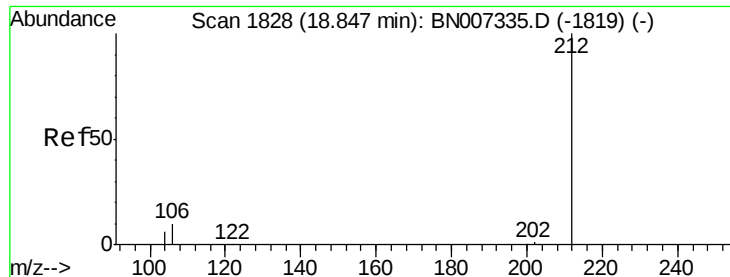


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.366 ng

RT: 18.84 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Instrument :

BNA\_G

ClientSampleId :

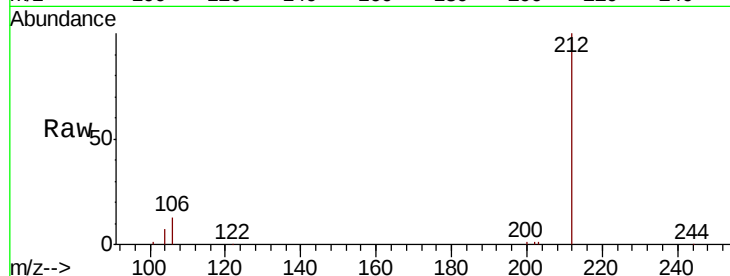
Tot Ion:212 Resp: 32024

Ion Ratio Lower Upper

212 100

106 13.3 9.0 13.4

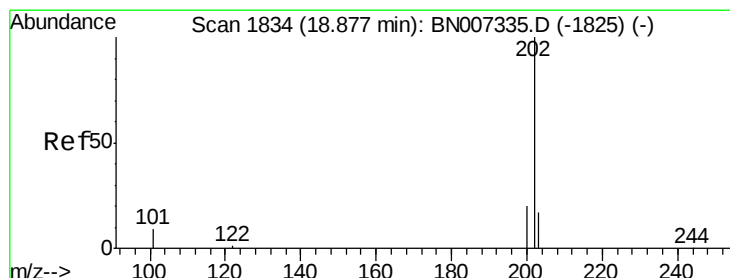
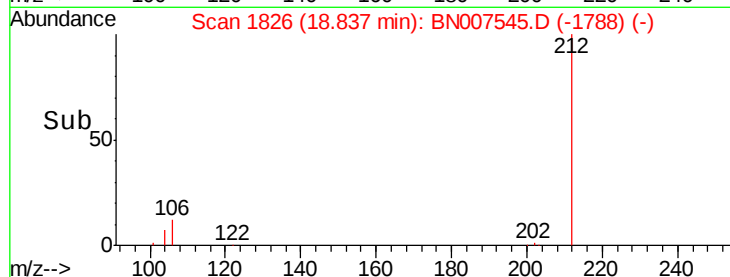
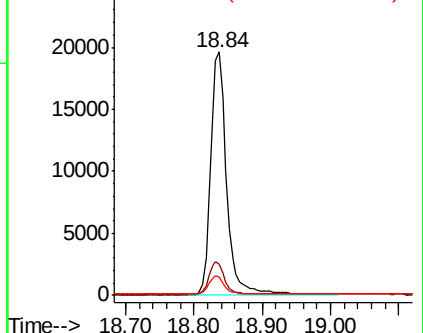
104 7.3 5.4 8.2



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: 0.390 ng

RT: 18.87 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

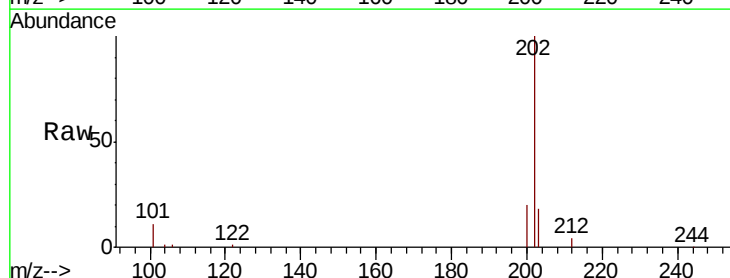
Tgt Ion:202 Resp: 40838

Ion Ratio Lower Upper

202 100

101 11.0 7.7 11.5

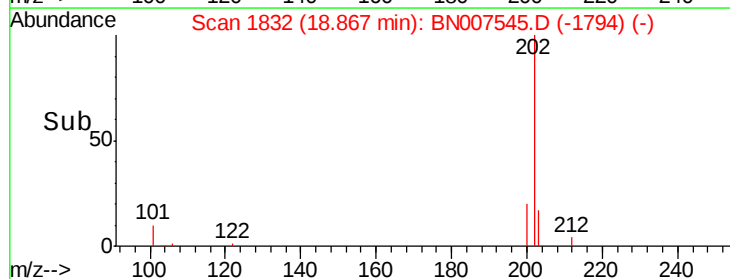
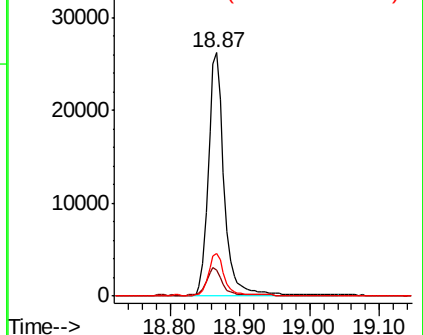
203 17.1 13.7 20.5

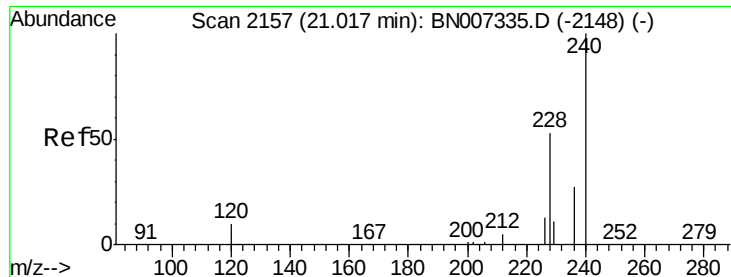


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.01 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Instrument :

BNA\_G

ClientSampleId :

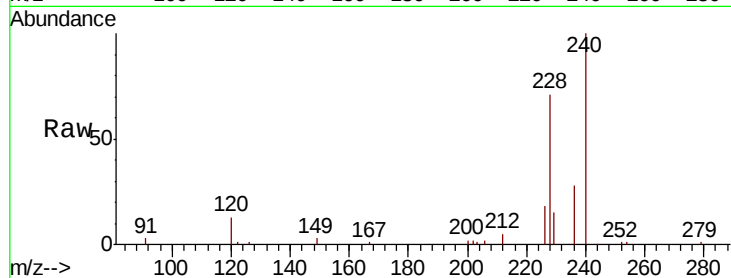
Tot Ion:240 Resp: 26637

Ion Ratio Lower Upper

240 100

120 13.3 9.6 14.4

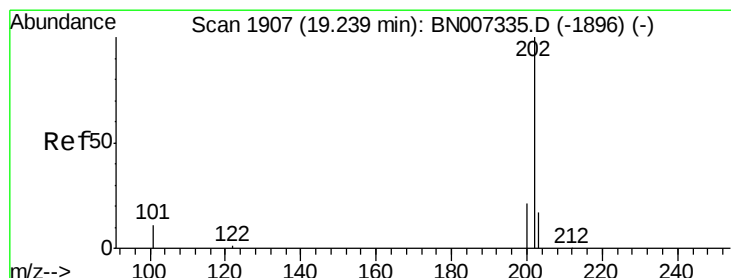
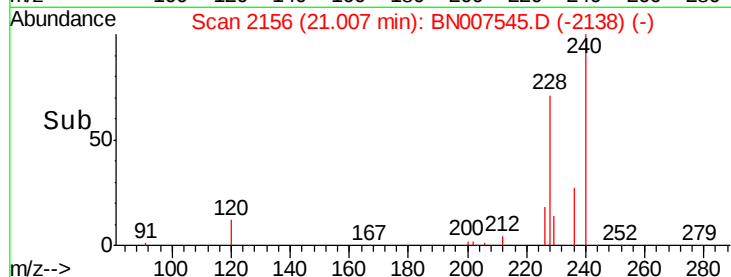
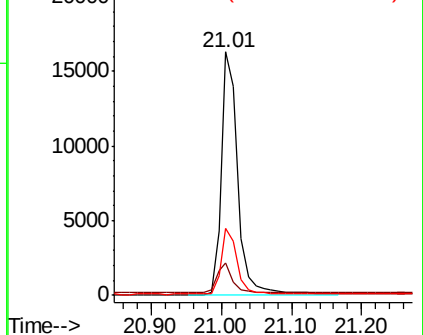
236 27.6 22.2 33.2



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

Pyrene

Concen: 0.390 ng

RT: 19.23 min Scan# 1905

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

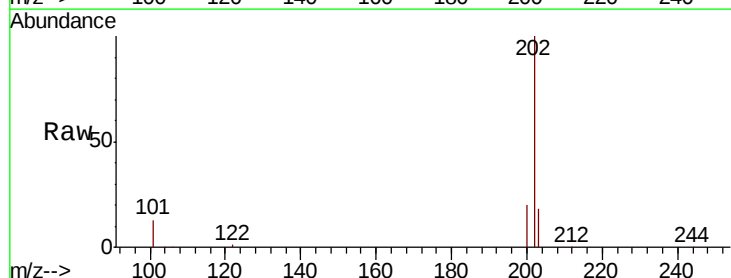
Tgt Ion:202 Resp: 41790

Ion Ratio Lower Upper

202 100

200 20.2 16.6 25.0

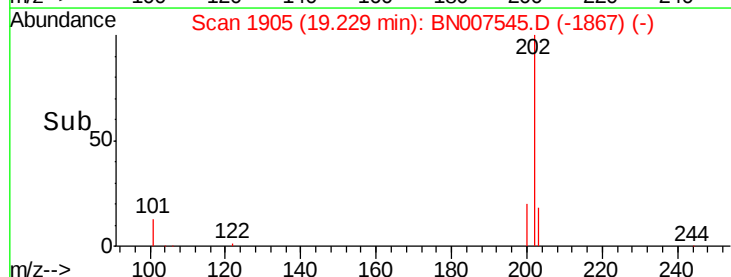
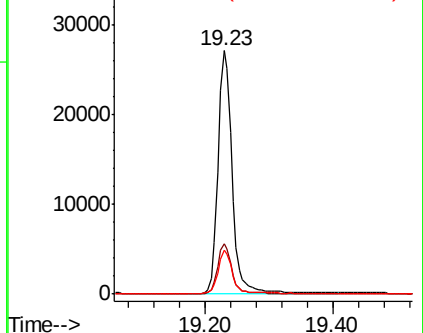
203 17.3 14.2 21.4

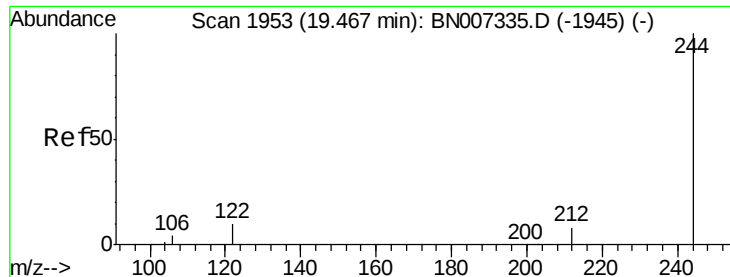


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.398 ng

RT: 19.45 min Scan# 1950

Delta R.T. -0.01 min

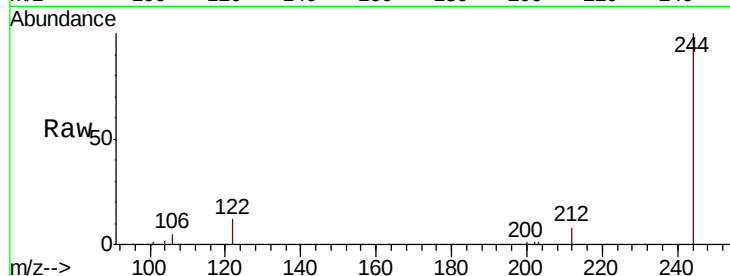
Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Instrument :

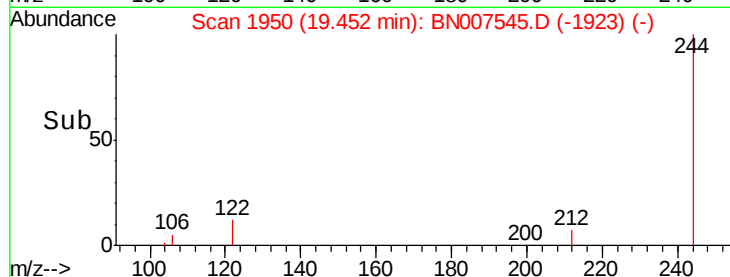
BNA\_G

ClientSampled :



Tot Ion:244 Resp: 27767

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.8   | 7.0   | 10.6  |
| 122 | 12.4  | 9.6   | 14.4  |

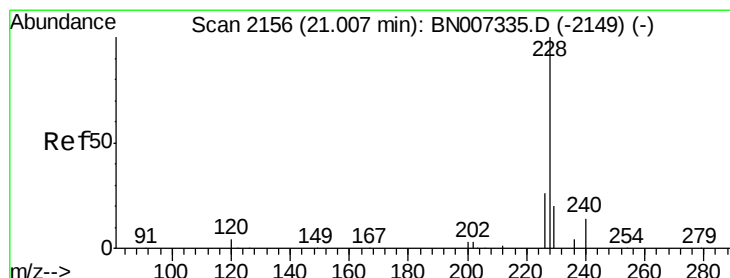
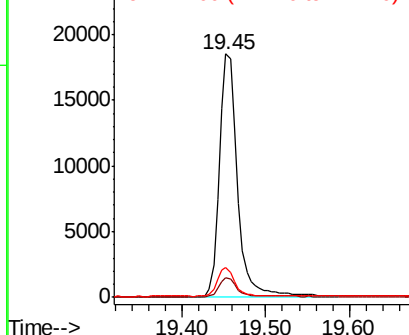


Abundance

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: 0.344 ng

RT: 21.00 min Scan# 2155

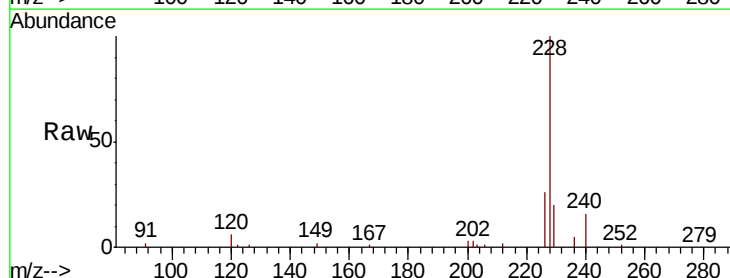
Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Tgt Ion:228 Resp: 36014

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 26.1  | 21.3  | 31.9  |
| 229 | 19.8  | 16.1  | 24.1  |

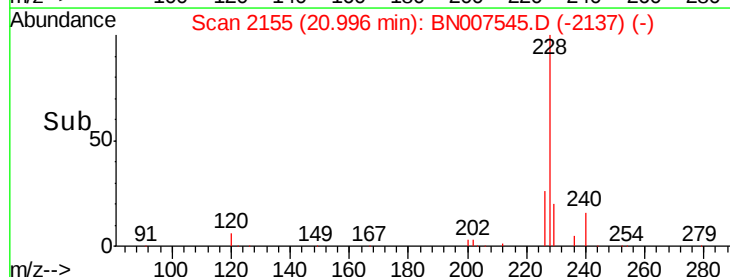
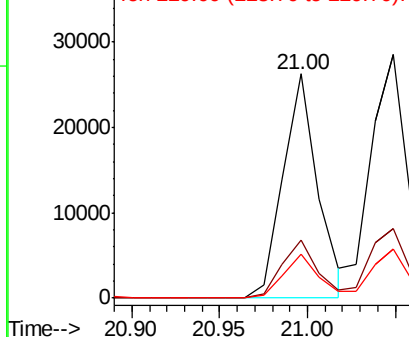


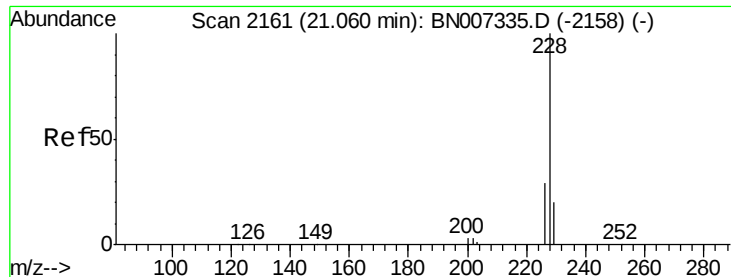
Abundance

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: 0.423 ng

RT: 21.05 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

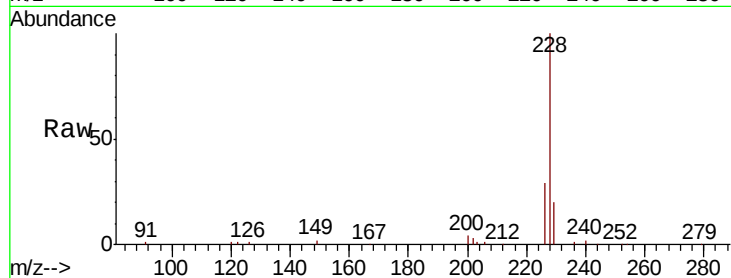
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:228 Resp: 42720

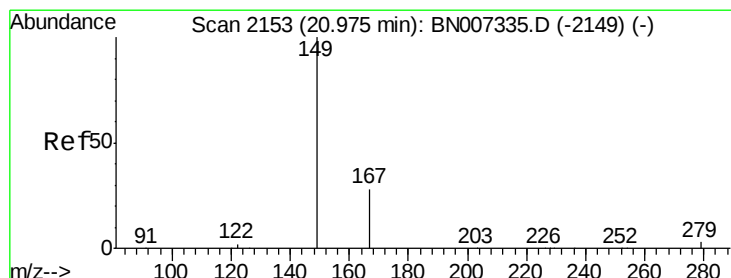
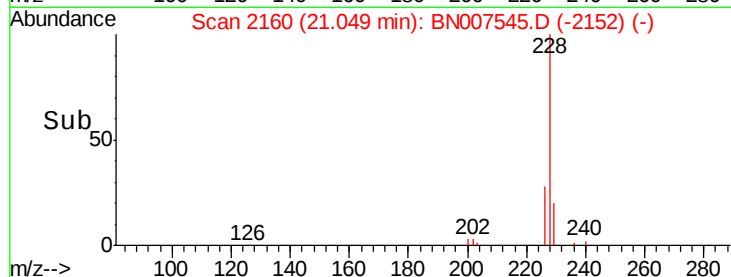
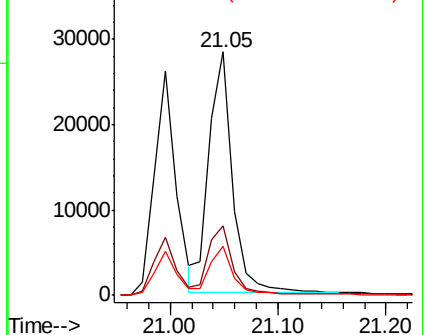
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.6  | 23.5  | 35.3  |
| 229 | 20.0  | 16.6  | 24.8  |



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: 0.216 ng

RT: 20.95 min Scan# 2151

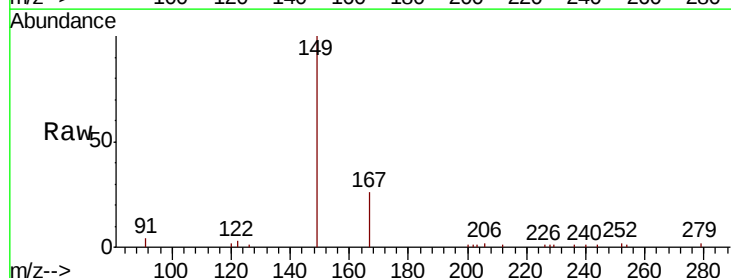
Delta R.T. -0.02 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Tgt Ion:149 Resp: 15936

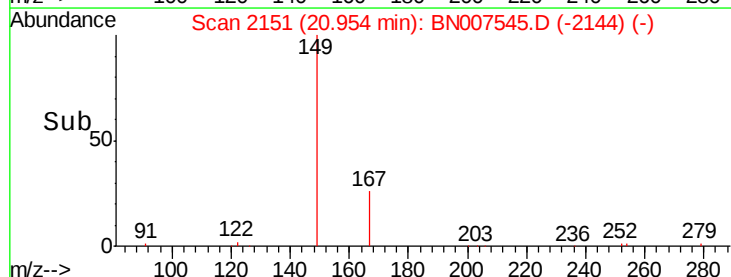
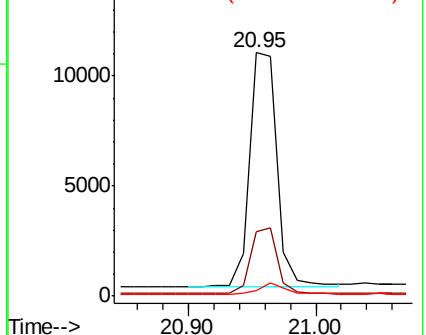
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.5  | 22.8  | 34.2  |
| 279 | 4.2   | 3.5   | 5.3   |

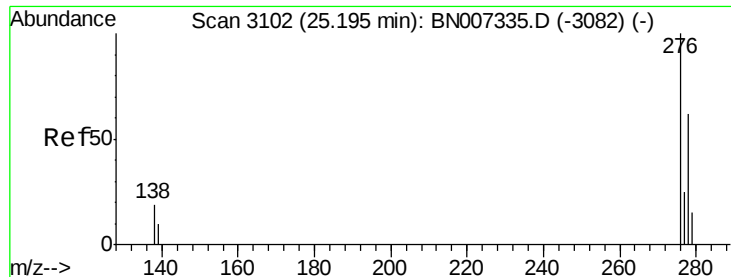


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

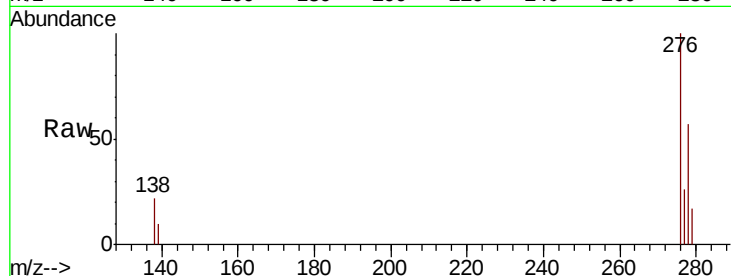




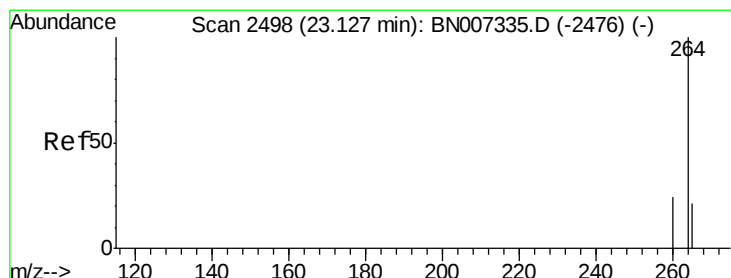
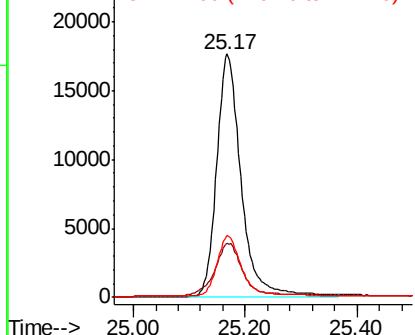
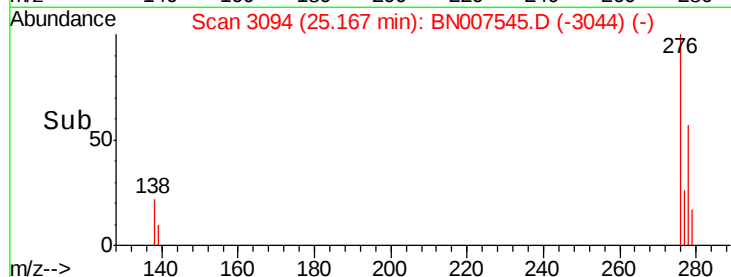
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 0.436 ng  
RT: 25.17 min Scan# 3094  
Delta R.T. -0.03 min  
Lab File: BN007545.D  
Acq: 06 Sep 2019 17:00

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:276 Resp: 52993  
Ion Ratio Lower Upper  
276 100  
138 24.4 15.1 22.7#  
277 24.5 19.7 29.5

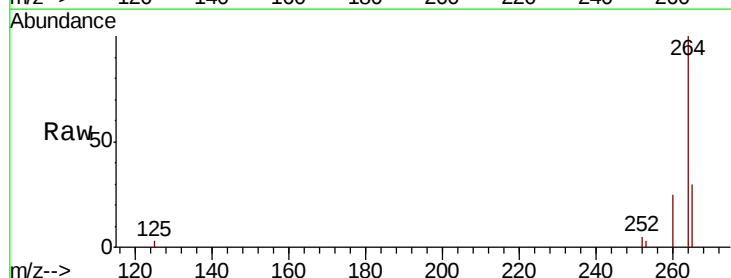


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

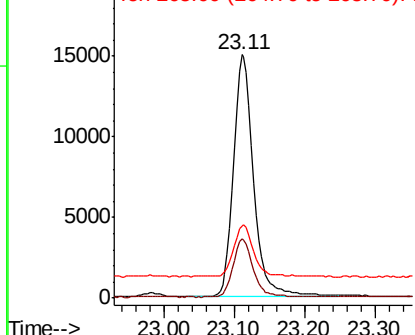
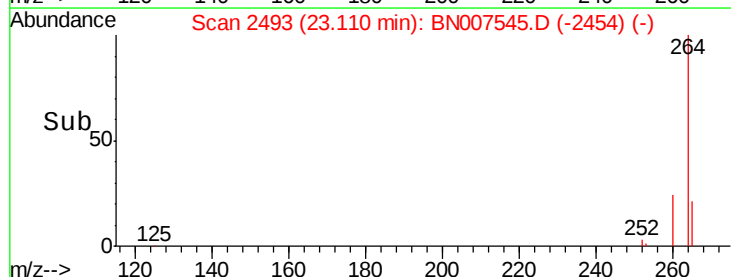


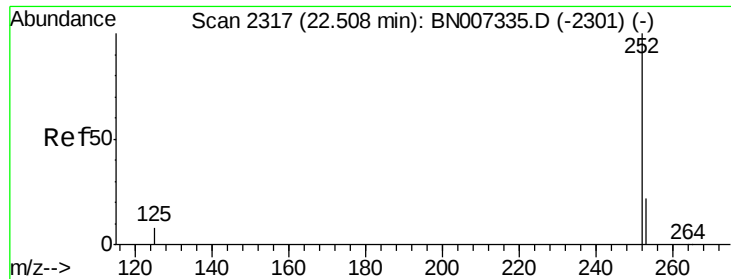
#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.11 min Scan# 2493  
Delta R.T. -0.02 min  
Lab File: BN007545.D  
Acq: 06 Sep 2019 17:00

Tgt Ion:264 Resp: 29931  
Ion Ratio Lower Upper  
264 100  
260 24.6 19.7 29.5  
265 29.6 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: 0.384 ng

RT: 22.49 min Scan# 2313

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Instrument :

BNA\_G

ClientSampleId :

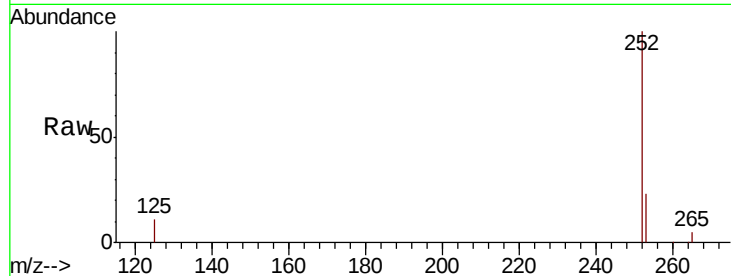
Tot Ion:252 Resp: 41631

Ion Ratio Lower Upper

252 100

253 22.8 19.2 28.8

125 10.7 10.6 16.0

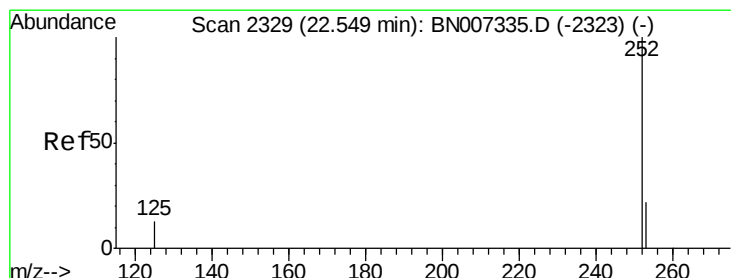
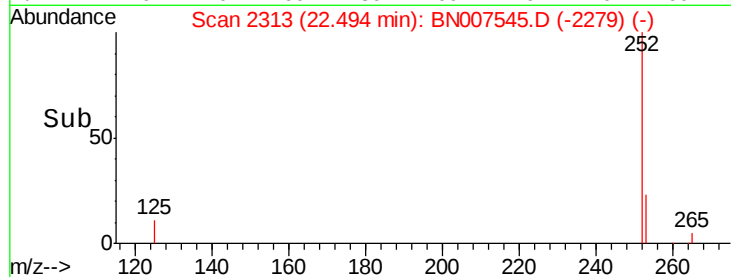
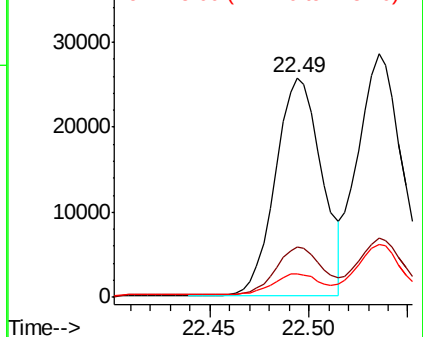


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.450 ng

RT: 22.54 min Scan# 2325

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

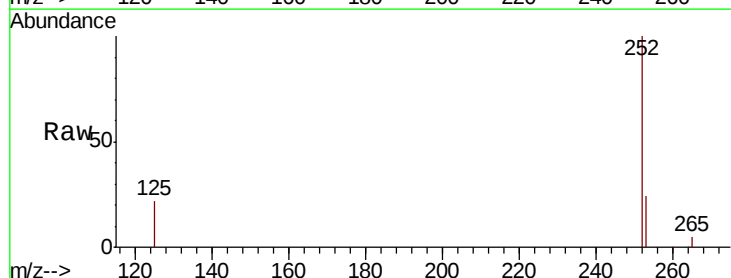
Tgt Ion:252 Resp: 48210

Ion Ratio Lower Upper

252 100

253 24.3 19.4 29.2

125 21.6 13.1 19.7#

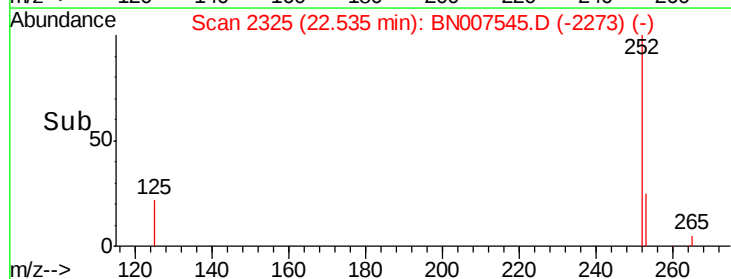
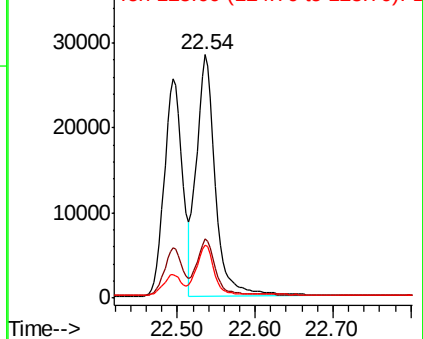


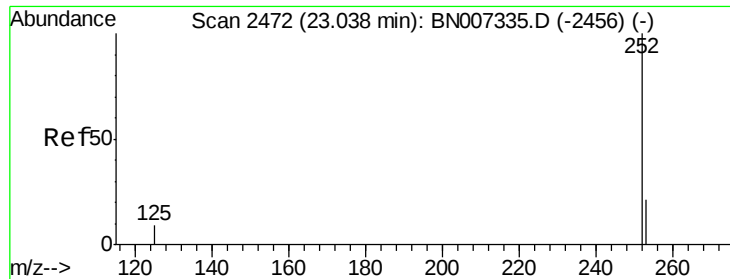
Abundance

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: 0.382 ng

RT: 23.02 min Scan# 2468

Delta R.T. -0.01 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Instrument :

BNA\_G

ClientSampled :

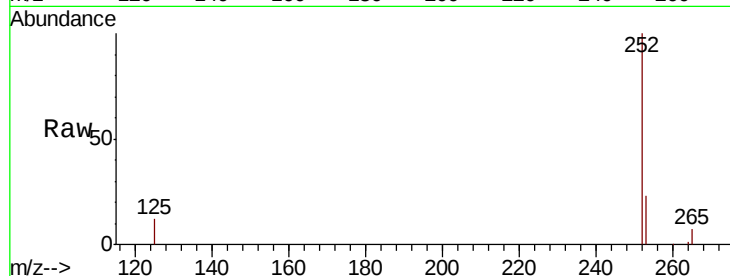
Tot Ion:252 Resp: 39374

Ion Ratio Lower Upper

252 100

253 22.9 19.5 29.3

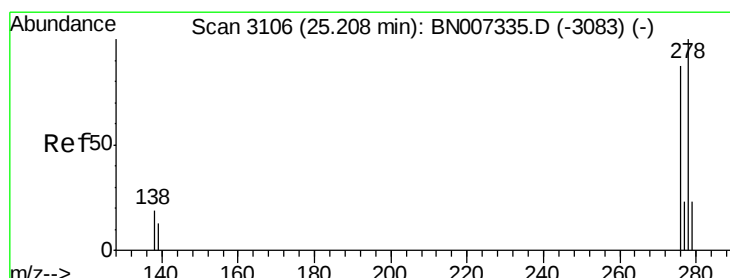
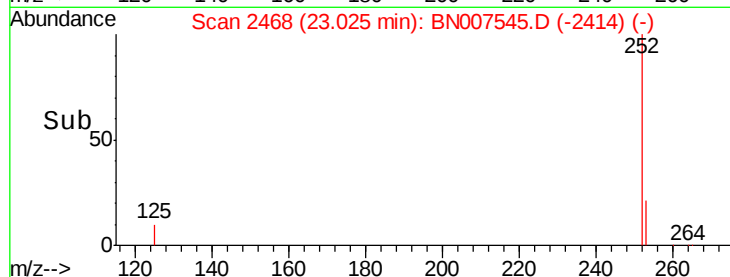
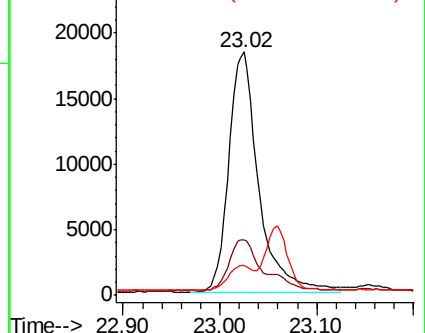
125 12.3 12.1 18.1



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: 0.410 ng

RT: 25.18 min Scan# 3099

Delta R.T. -0.02 min

Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

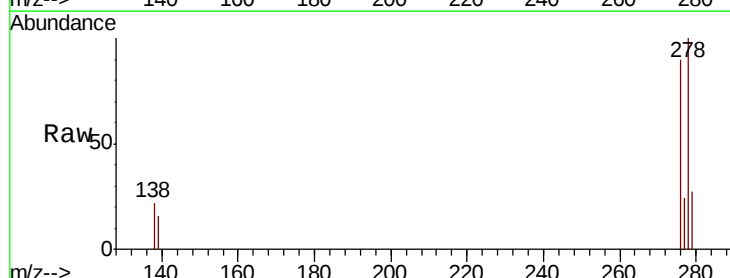
Tgt Ion:278 Resp: 42241

Ion Ratio Lower Upper

278 100

139 15.9 13.7 20.5

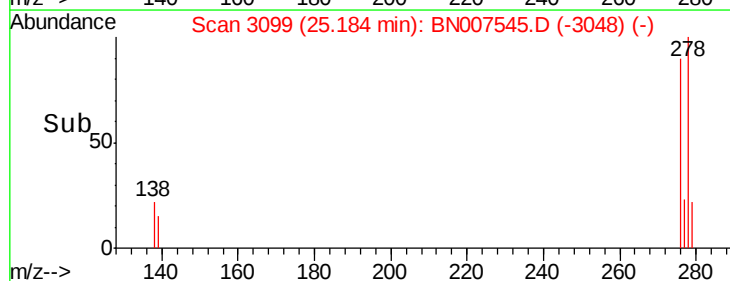
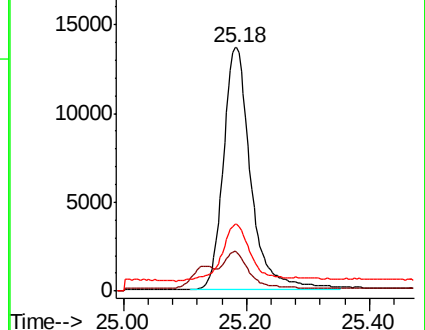
279 27.3 20.2 30.4

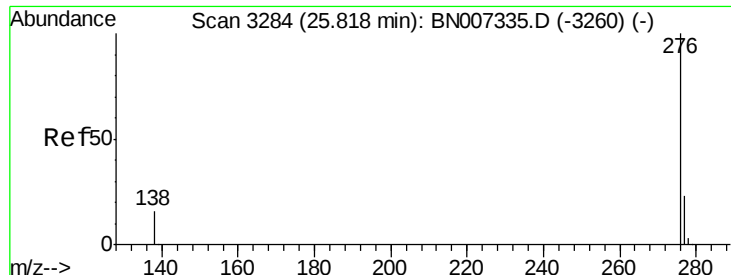


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.419 ng

RT: 25.79 min Scan# 3276

Delta R.T. -0.03 min

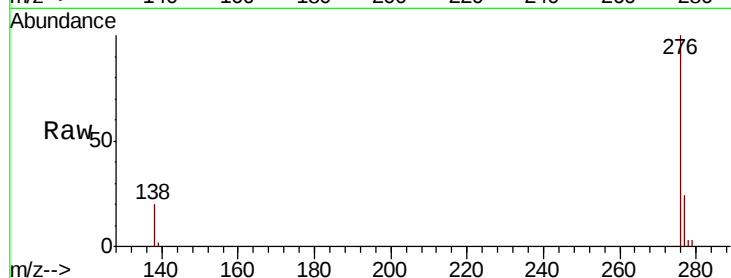
Lab File: BN007545.D

Acq: 06 Sep 2019 17:00

Instrument :

BNA\_G

ClientSampleId :



Tot Ion: 276 Resp: 42985

Ion Ratio Lower Upper

276 100

277 24.2 19.6 29.4

138 19.9 16.3 24.5

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

