

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN070519\  
 Data File : BN006707.D  
 Acq On : 05 Jul 2019 10:12  
 Operator : HP/JU  
 Sample : PB120849BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB120849BS

Quant Time: Jul 05 22:48:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN070219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 05 05:30:28 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 3740     | 0.40 | ng    | -0.03    |
| 7) Naphthalene-d8         | 10.36 | 136  | 15256    | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.24 | 164  | 9259     | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 17.00 | 188  | 21631    | 0.40 | ng    | -0.02    |
| 27) Chrysene-d12          | 21.24 | 240  | 24405    | 0.40 | ng    | -0.02    |
| 34) Perylene-d12          | 23.46 | 264  | 26284    | 0.40 | ng    | -0.05    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.21  | 112 | 3953  | 0.39 | ng | -0.02 |
| 5) Phenol-d6                | 6.80  | 99  | 5253  | 0.41 | ng | -0.03 |
| 8) Nitrobenzene-d5          | 8.77  | 82  | 4572  | 0.39 | ng | -0.03 |
| 11) 2-Methylnaphthalene-d10 | 11.97 | 152 | 9676  | 0.42 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 15.77 | 330 | 2118  | 0.47 | ng | -0.02 |
| 15) 2-Fluorobiphenyl        | 12.86 | 172 | 14375 | 0.40 | ng | -0.02 |
| 25) Fluoranthene-d10        | 19.05 | 212 | 26544 | 0.43 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.66 | 244 | 18618 | 0.33 | ng | -0.02 |

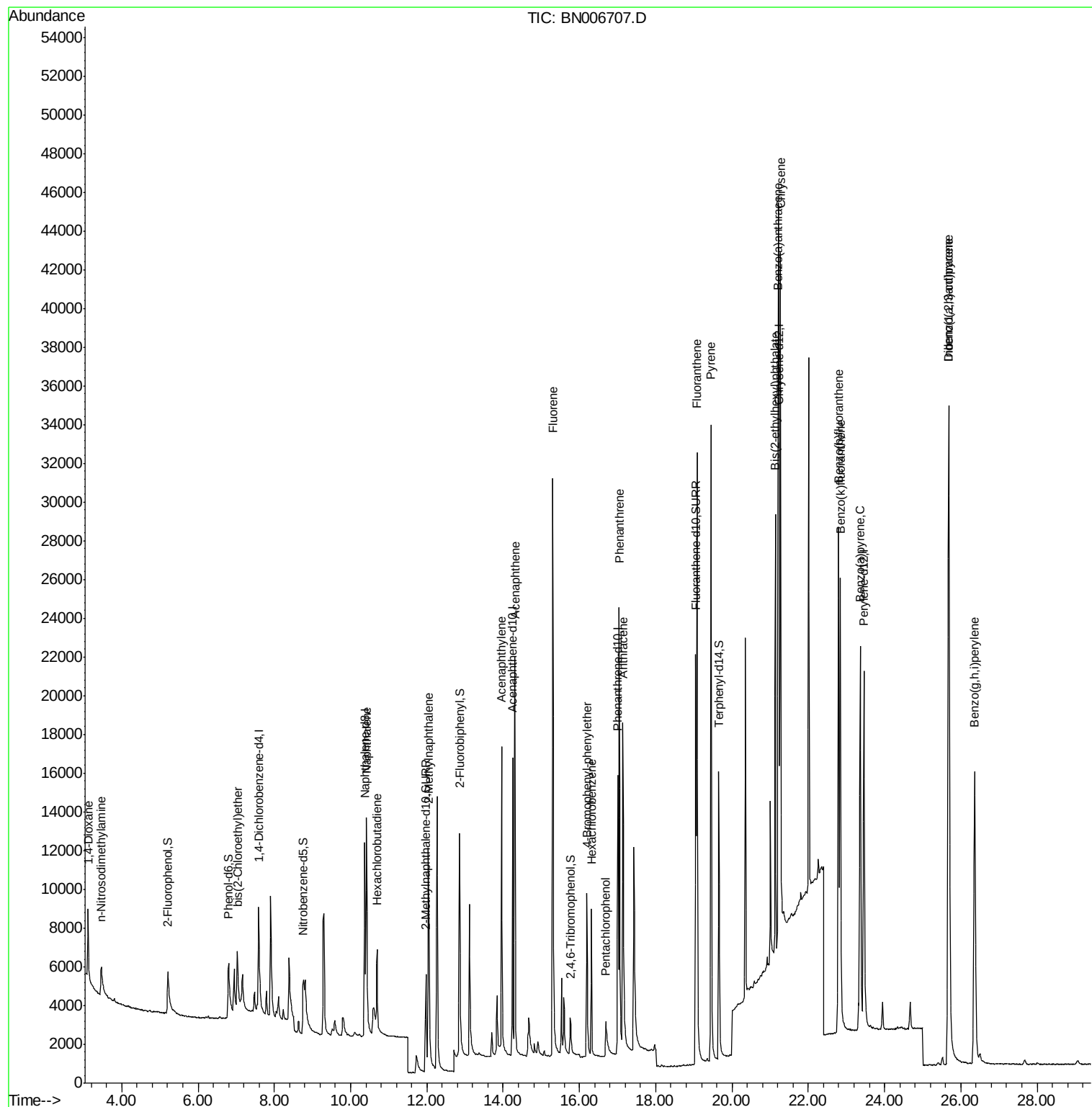
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.12  | 88  | 2376  | 0.407  | ng | 98    |
| 3) n-Nitrosodimethylamine      | 3.46  | 42  | 1969  | 0.447  | ng | # 86  |
| 6) bis(2-Chloroethyl)ether     | 7.03  | 93  | 4350  | 0.400  | ng | 99    |
| 9) Naphthalene                 | 10.41 | 128 | 17402 | 0.417  | ng | 100   |
| 10) Hexachlorobutadiene        | 10.69 | 225 | 3453  | 0.409  | ng | # 100 |
| 12) 2-Methylnaphthalene        | 12.04 | 142 | 11482 | 0.390  | ng | 98    |
| 16) Acenaphthylene             | 13.96 | 152 | 19791 | 0.429  | ng | 100   |
| 17) Acenaphthene               | 14.31 | 154 | 12271 | 0.417  | ng | 98    |
| 18) Fluorene                   | 15.30 | 166 | 15585 | 0.427  | ng | 100   |
| 20) 4-Bromophenyl-phenylether  | 16.20 | 248 | 5034  | 0.395  | ng | 98    |
| 21) Hexachlorobenzene          | 16.31 | 284 | 6196  | 0.409  | ng | 98    |
| 22) Pentachlorophenol          | 16.70 | 266 | 2393  | 1.155  | ng | # 85  |
| 23) Phenanthrene               | 17.05 | 178 | 25378 | 0.407  | ng | 99    |
| 24) Anthracene                 | 17.14 | 178 | 22831 | 0.405  | ng | 99    |
| 26) Fluoranthene               | 19.09 | 202 | 32254 | 0.441  | ng | 100   |
| 28) Pyrene                     | 19.45 | 202 | 33846 | 0.347  | ng | 100   |
| 30) Benzo(a)anthracene         | 21.21 | 228 | 31139 | 0.370  | ng | 99    |
| 31) Chrysene                   | 21.27 | 228 | 31904 | 0.368  | ng | 99    |
| 32) Bis(2-ethylhexyl)phthalate | 21.14 | 149 | 19121 | 0.076  | ng | 99    |
| 33) Indeno(1,2,3-cd)pyrene     | 25.68 | 276 | 41749 | 0.402  | ng | 98    |
| 35) Benzo(b)fluoranthene       | 22.79 | 252 | 32982 | 0.391  | ng | 96    |
| 36) Benzo(k)fluoranthene       | 22.84 | 252 | 35145 | 0.384  | ng | 96    |
| 37) Benzo(a)pyrene             | 23.36 | 252 | 32900 | 0.403  | ng | 95    |
| 38) Dibenzo(a,h)anthracene     | 25.69 | 278 | 33204 | 0.409  | ng | 96    |
| 39) Benzo(g,h,i)perylene       | 26.36 | 276 | 34931 | 0.418  | ng | 96    |

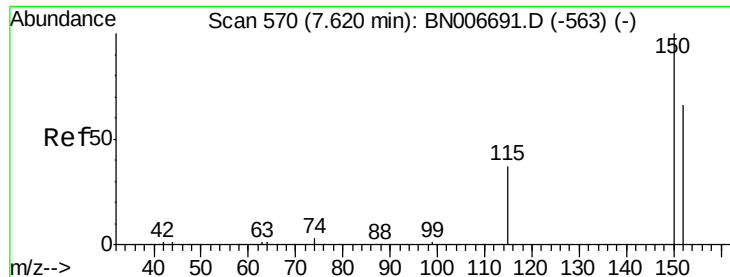
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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Quant Time: Jul 05 22:48:39 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN070219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 05 05:30:28 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.59 min Scan# 566

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

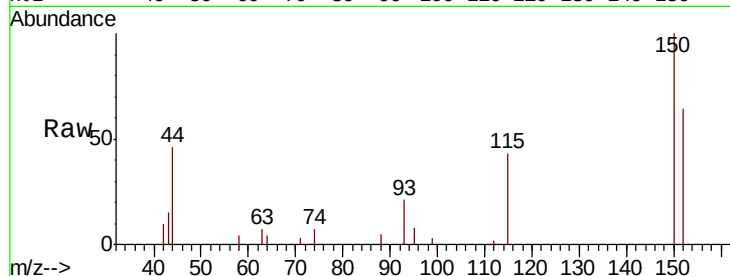
Tgt Ion: 152 Resp: 3740

Ion Ratio Lower Upper

152 100

150 155.7 120.6 181.0

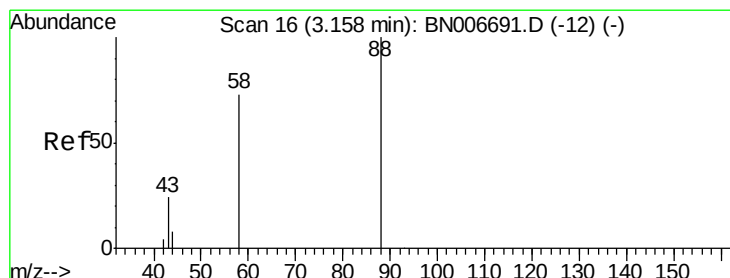
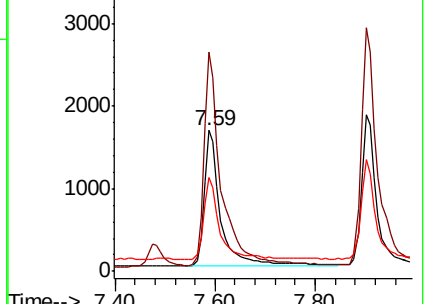
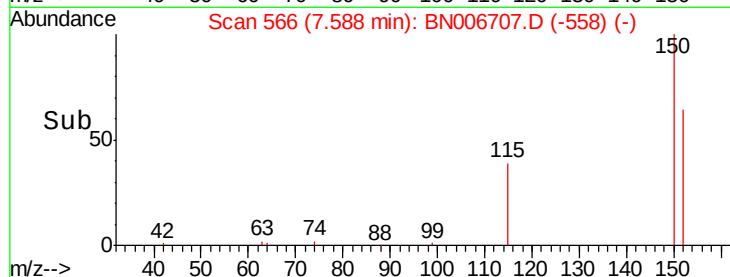
115 66.8 51.0 76.6



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: 0.407 ng

RT: 3.12 min Scan# 11

Delta R.T. -0.04 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

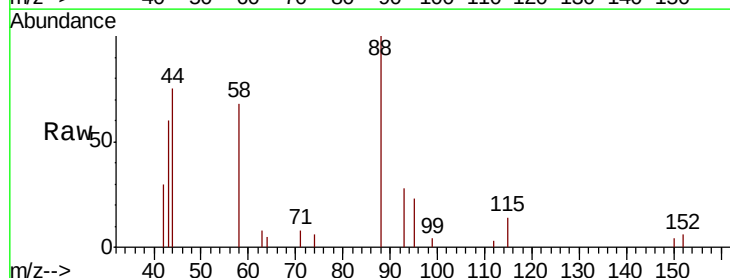
Tgt Ion: 88 Resp: 2376

Ion Ratio Lower Upper

88 100

58 78.0 61.1 91.7

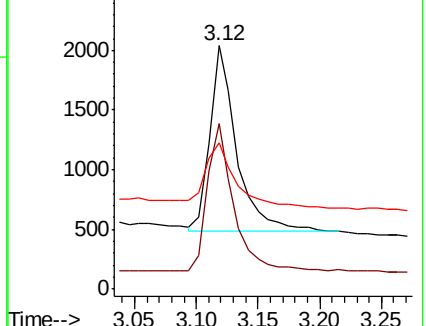
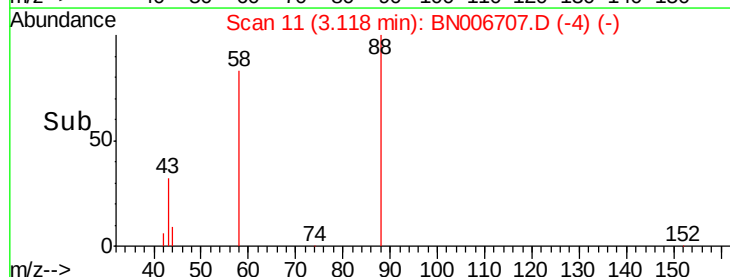
43 41.5 32.4 48.6

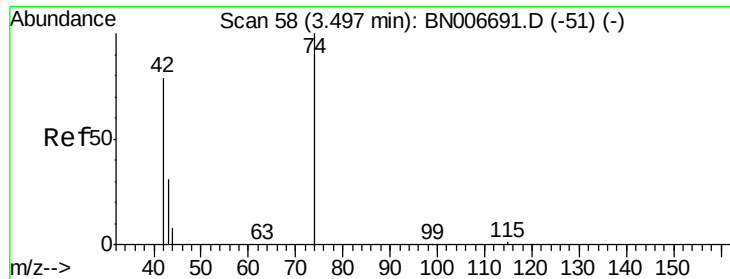


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.447 ng

RT: 3.46 min Scan# 54

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

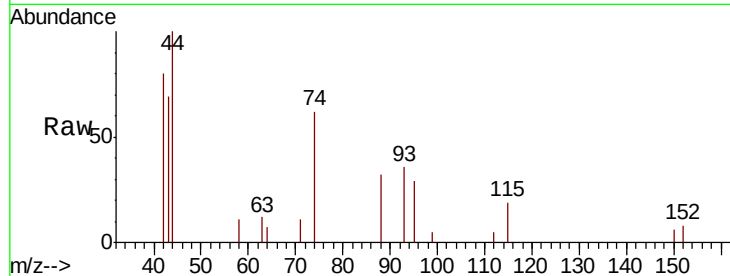
Tgt Ion: 42 Resp: 1969

Ion Ratio Lower Upper

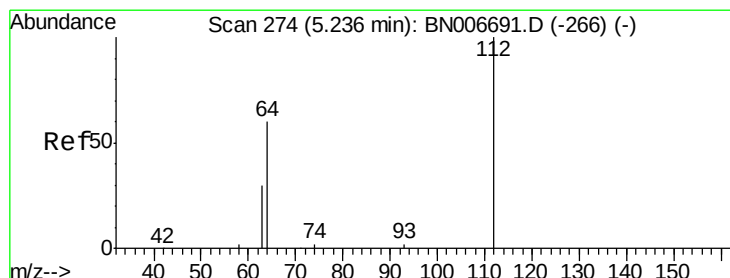
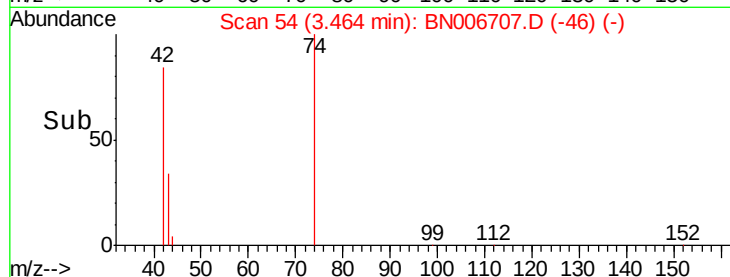
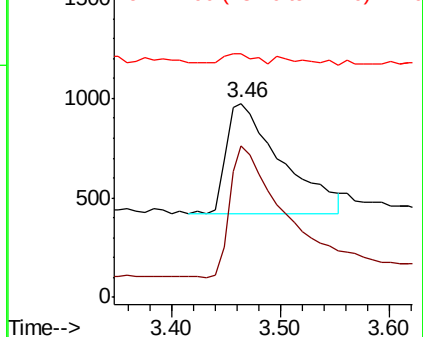
42 100

74 117.1 106.6 160.0

44 5.0 8.0 12.0#



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: 0.389 ng

RT: 5.21 min Scan# 271

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

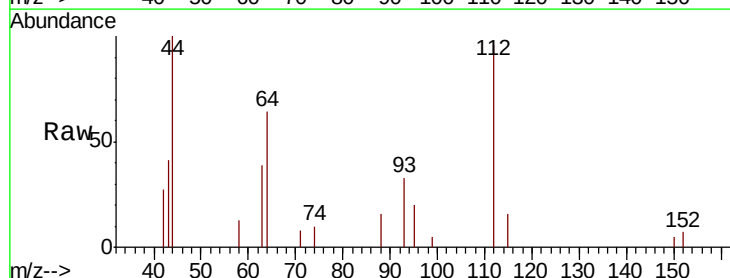
Tgt Ion: 112 Resp: 3953

Ion Ratio Lower Upper

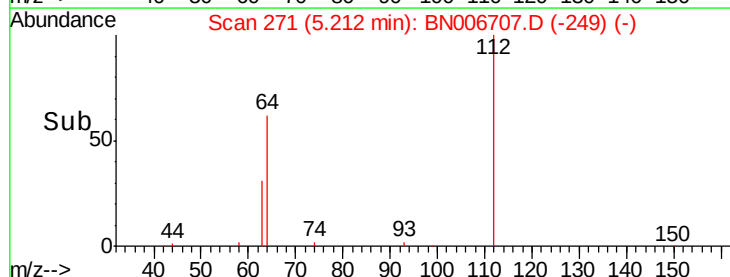
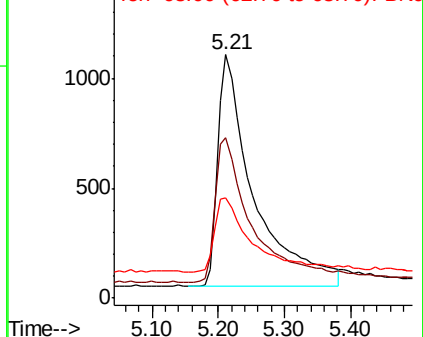
112 100

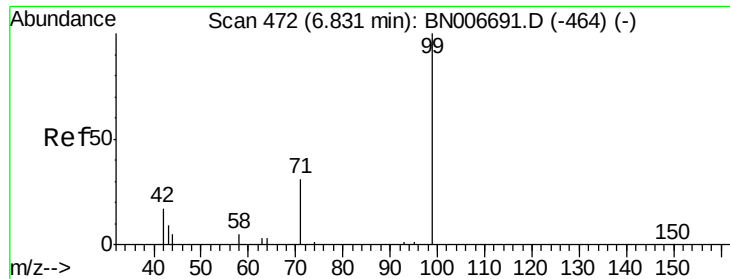
64 64.3 49.8 74.6

63 34.6 25.8 38.6



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: 0.409 ng

RT: 6.80 min Scan# 468

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

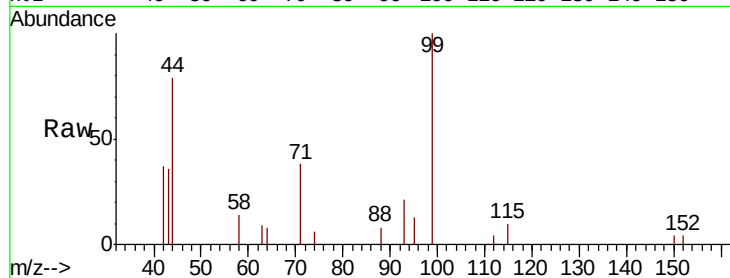
Tgt Ion: 99 Resp: 5253

Ion Ratio Lower Upper

99 100

42 21.6 16.6 25.0

71 34.8 26.0 39.0



Abundance Ion 99.00 (98.70 to 99.70): BN006707.D (-460) (-)

Ion 42.00 (41.70 to 42.70): BN006707.D (-460) (-)

Ion 71.00 (70.70 to 71.70): BN006707.D (-460) (-)

6.80

1500

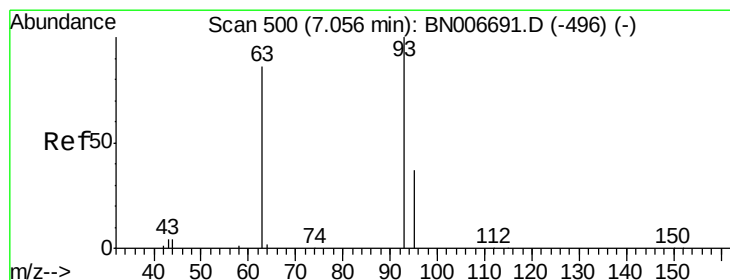
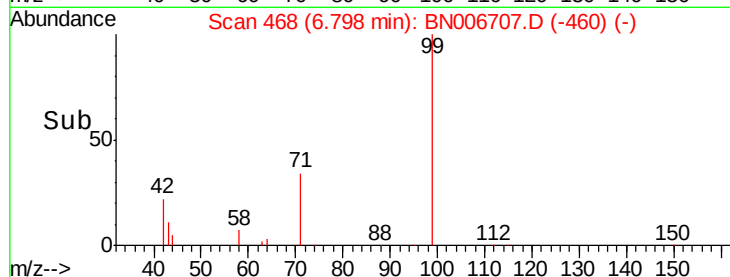
1000

500

0

6.70 6.80 6.90 7.00

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.400 ng

RT: 7.03 min Scan# 497

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

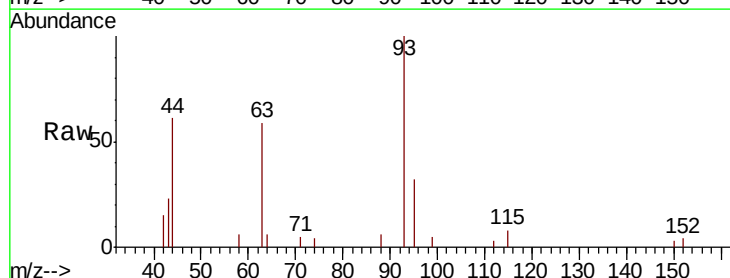
Tgt Ion: 93 Resp: 4350

Ion Ratio Lower Upper

93 100

63 72.8 58.6 87.8

95 34.6 28.3 42.5



Abundance Ion 93.00 (92.70 to 93.70): BN006707.D (-475) (-)

Ion 63.00 (62.70 to 63.70): BN006707.D (-475) (-)

Ion 95.00 (94.70 to 95.70): BN006707.D (-475) (-)

7.03

3000

2500

2000

1500

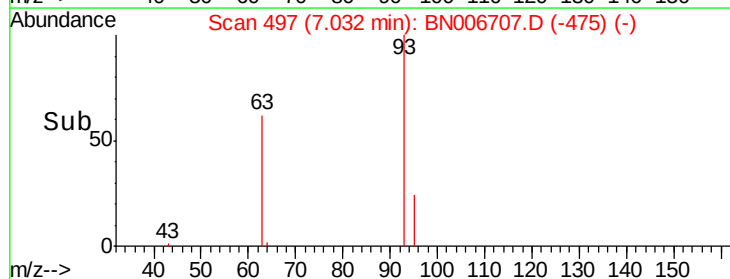
1000

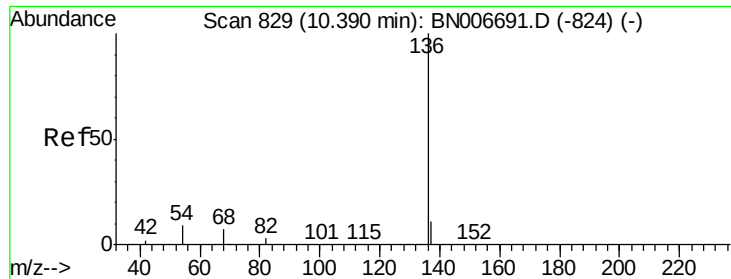
500

0

7.00 7.10

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.36 min Scan# 827

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

Tgt Ion:136 Resp: 15256

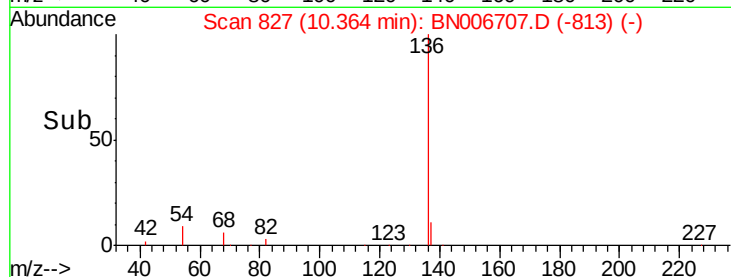
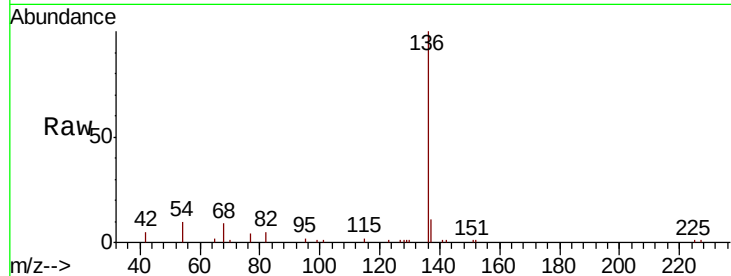
Ion Ratio Lower Upper

136 100

137 11.4 9.3 13.9

54 10.0 8.4 12.6

68 8.7 6.8 10.2

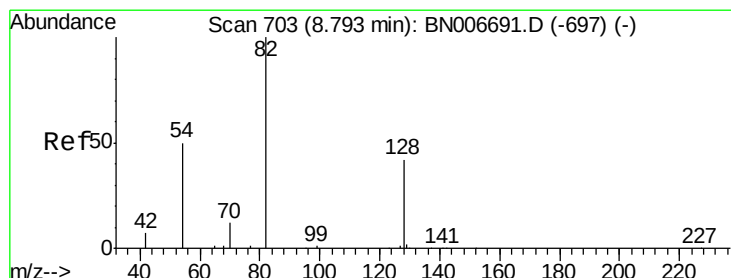
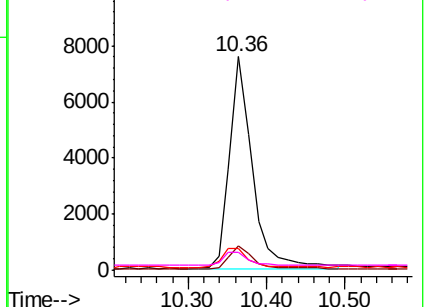


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.391 ng

RT: 8.77 min Scan# 701

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

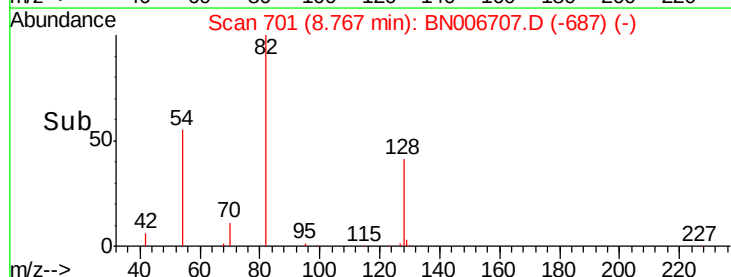
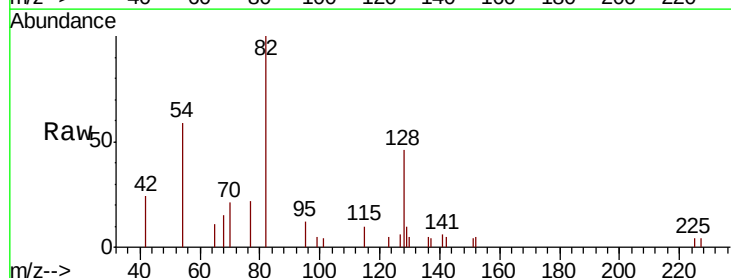
Tgt Ion: 82 Resp: 4572

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

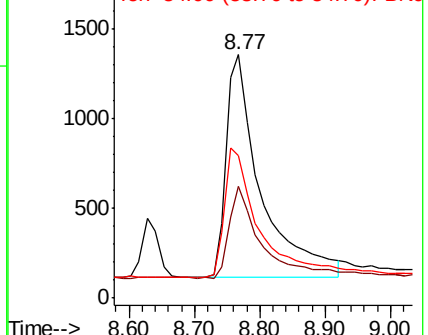
54 58.7 44.5 66.7

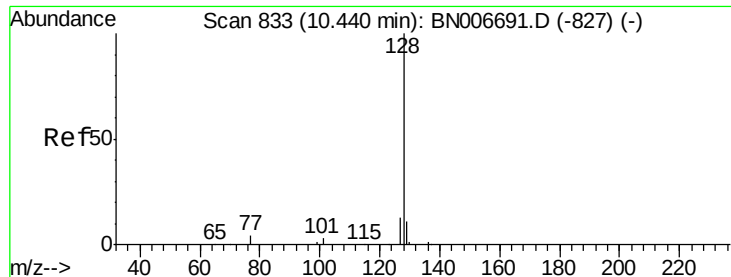


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.417 ng

RT: 10.41 min Scan# 831

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

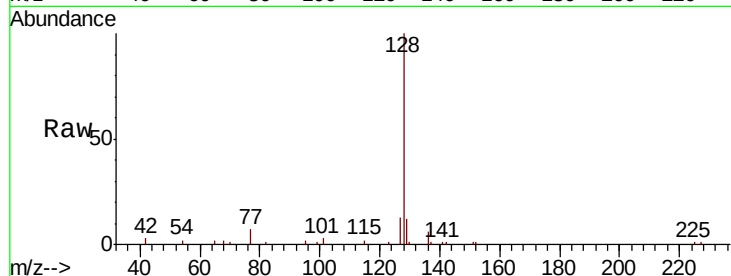
Tgt Ion:128 Resp: 17402

Ion Ratio Lower Upper

128 100

129 11.9 9.6 14.4

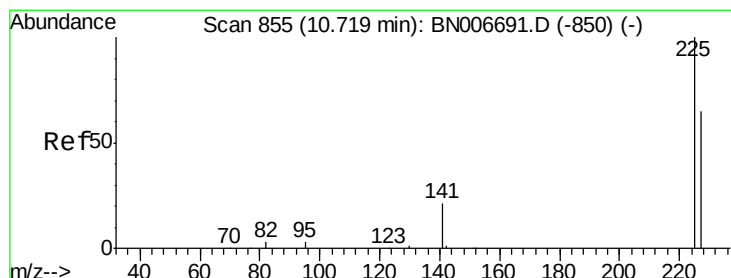
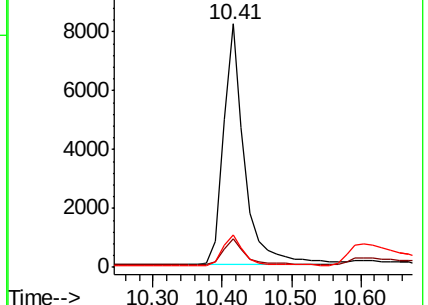
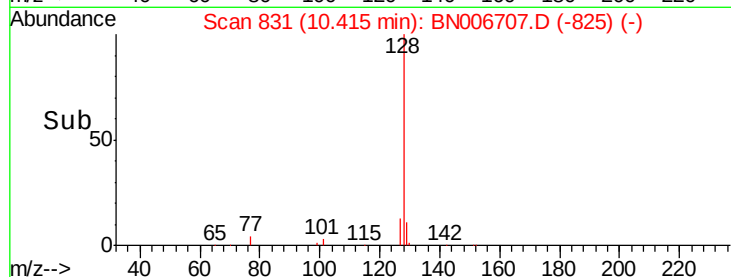
127 13.5 11.0 16.4



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: 0.409 ng

RT: 10.69 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

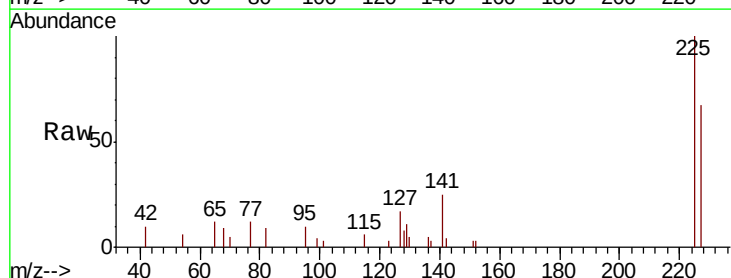
Tgt Ion:225 Resp: 3453

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

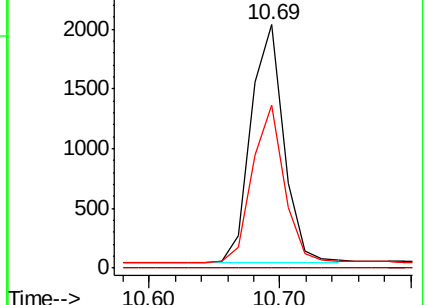
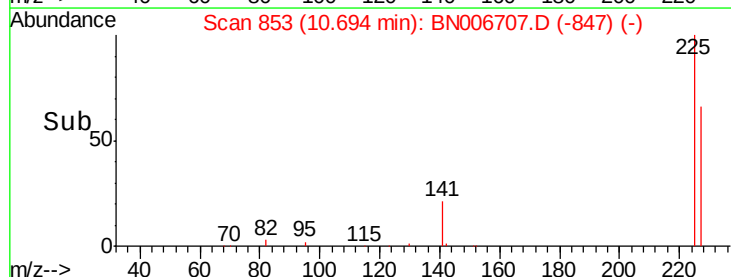
227 63.7 50.9 76.3

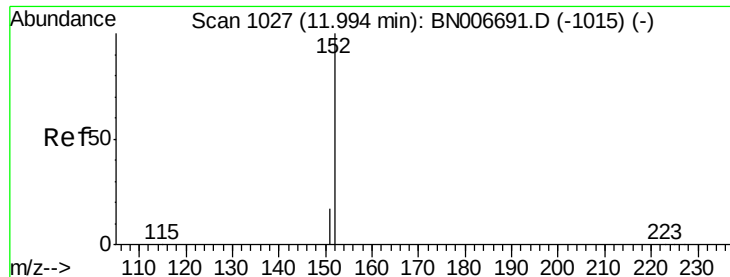


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

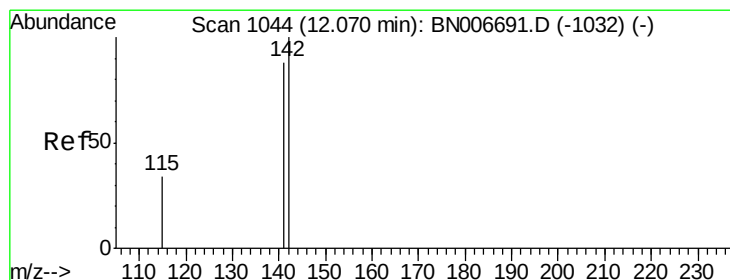
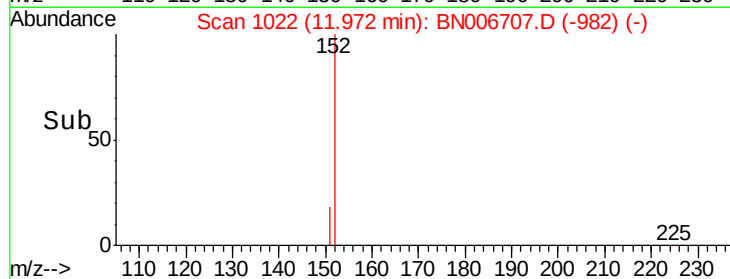
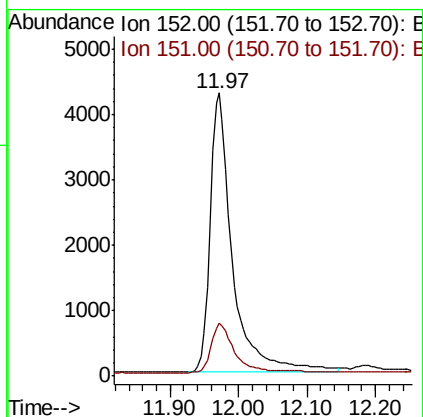
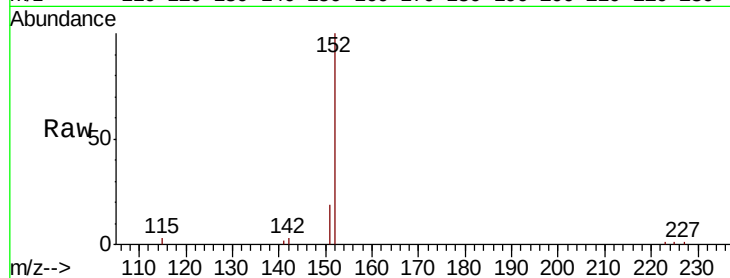




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.422 ng  
 RT: 11.97 min Scan# 1022  
 Delta R.T. -0.02 min  
 Lab File: BN006707.D  
 Acq: 05 Jul 2019 10:12

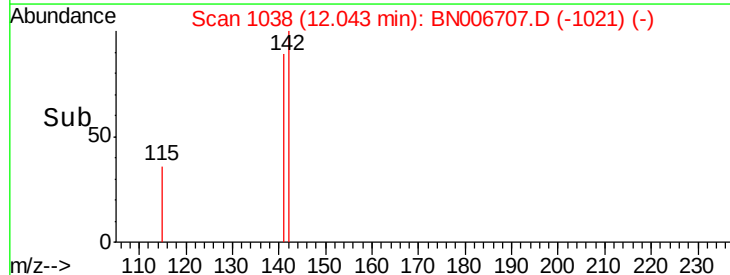
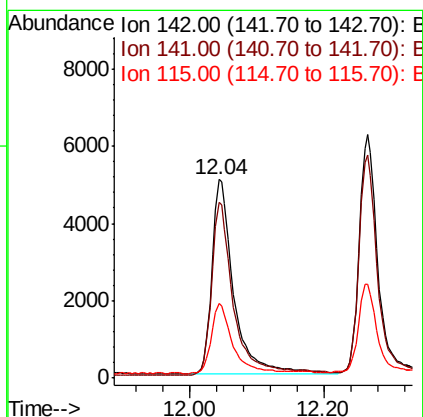
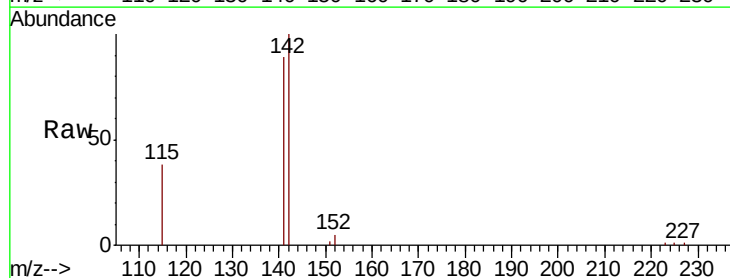
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB120849BS

Tgt Ion:152 Resp: 9676  
 Ion Ratio Lower Upper  
 152 100  
 151 18.8 14.9 22.3

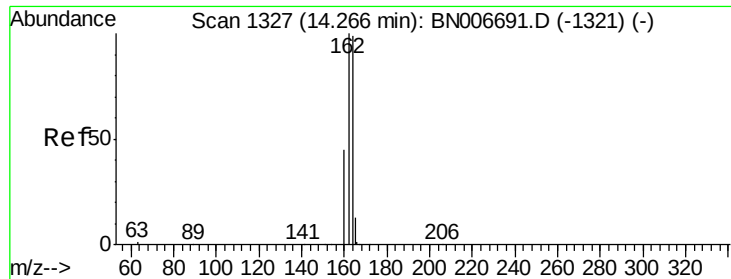


#12  
 2-Methylnaphthalene  
 Concen: 0.390 ng  
 RT: 12.04 min Scan# 1038  
 Delta R.T. -0.03 min  
 Lab File: BN006707.D  
 Acq: 05 Jul 2019 10:12

Tgt Ion:142 Resp: 11482  
 Ion Ratio Lower Upper  
 142 100  
 141 88.8 70.3 105.5  
 115 37.8 28.9 43.3







#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

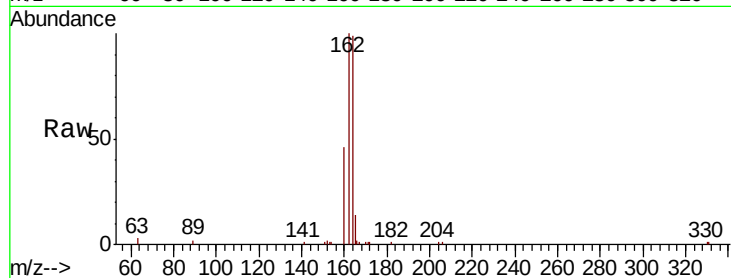
Tgt Ion:164 Resp: 9259

Ion Ratio Lower Upper

164 100

162 101.3 80.8 121.2

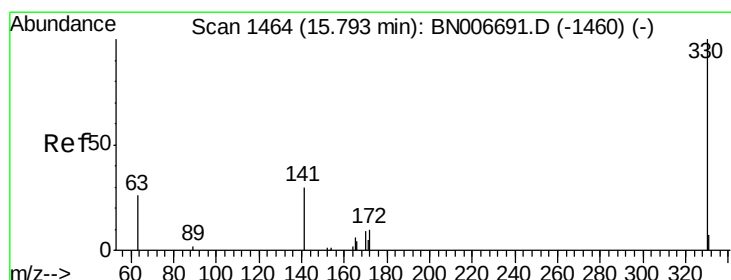
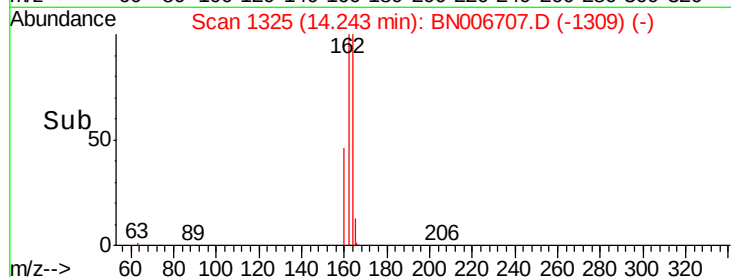
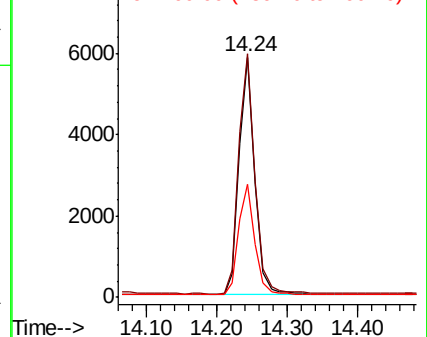
160 46.9 37.0 55.6



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: 0.465 ng

RT: 15.77 min Scan# 1462

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

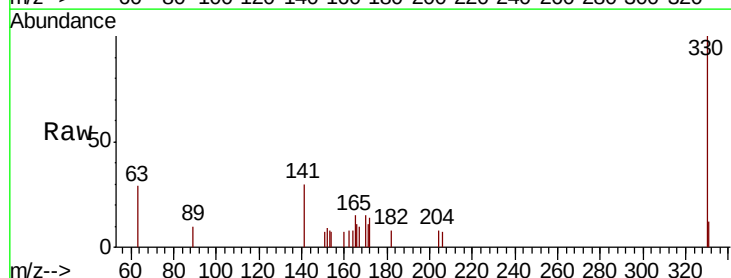
Tgt Ion:330 Resp: 2118

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

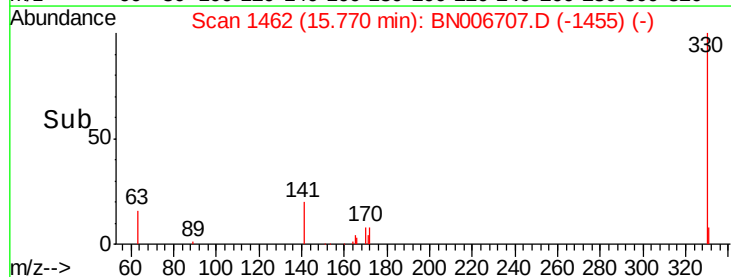
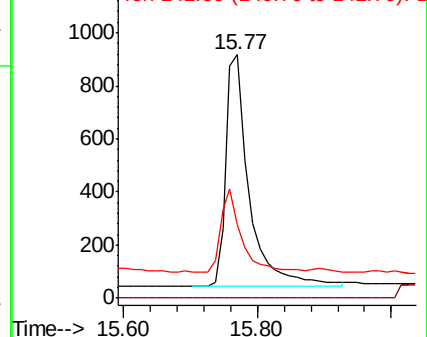
141 31.5 24.8 37.2

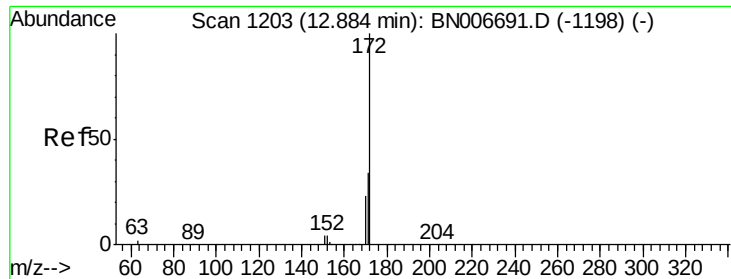


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

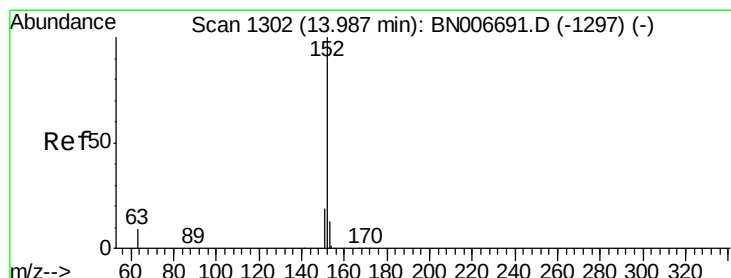
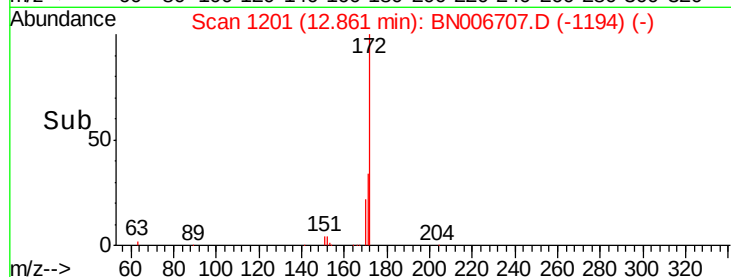
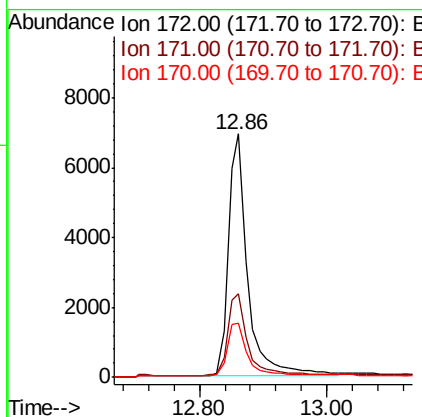
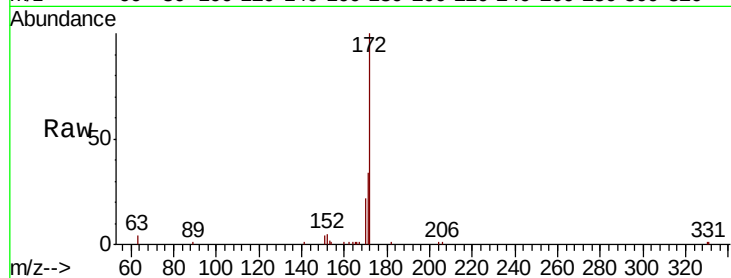




#15  
2-Fluorobiphenyl  
Concen: 0.397 ng  
RT: 12.86 min Scan# 1201  
Delta R.T. -0.02 min  
Lab File: BN006707.D  
Acq: 05 Jul 2019 10:12

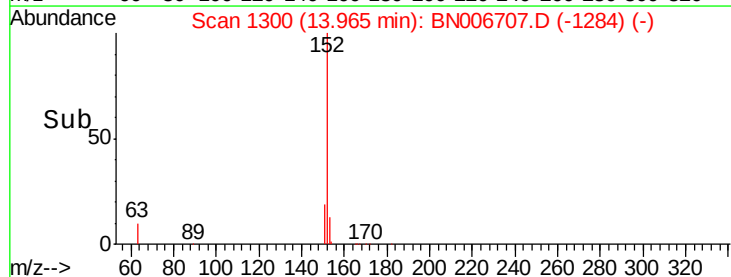
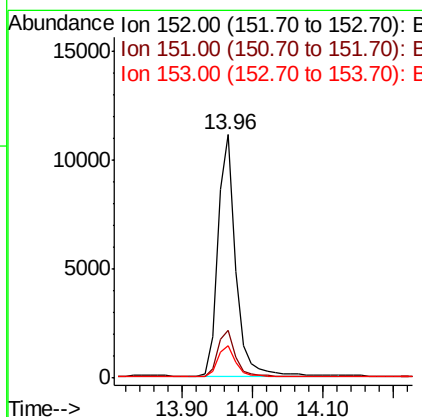
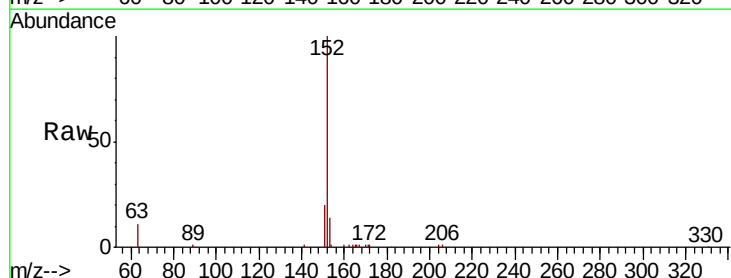
Instrument :  
BNA\_N  
ClientSampleId :  
PB120849BS

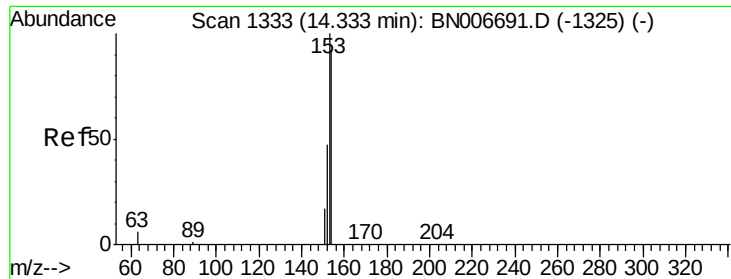
Tgt Ion:172 Resp: 14375  
Ion Ratio Lower Upper  
172 100  
171 34.2 27.8 41.6  
170 22.5 18.9 28.3



#16  
Acenaphthylene  
Concen: 0.429 ng  
RT: 13.96 min Scan# 1300  
Delta R.T. -0.02 min  
Lab File: BN006707.D  
Acq: 05 Jul 2019 10:12

Tgt Ion:152 Resp: 19791  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.7 23.5  
153 13.2 10.6 15.8





#17

Acenaphthene

Concen: 0.417 ng

RT: 14.31 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

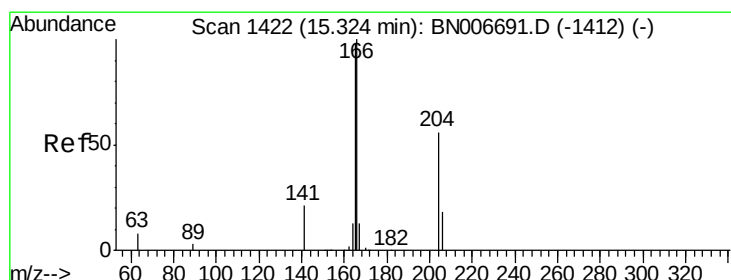
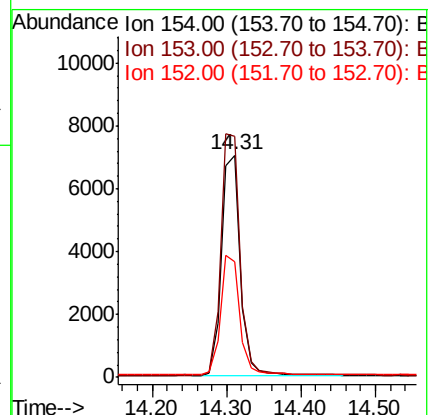
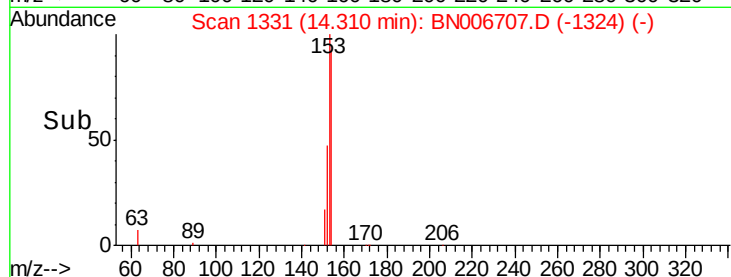
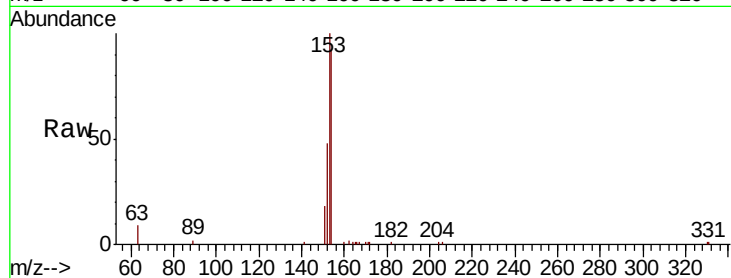
Tgt Ion:154 Resp: 12271

Ion Ratio Lower Upper

154 100

153 112.8 88.9 133.3

152 54.8 42.8 64.2



#18

Fluorene

Concen: 0.427 ng

RT: 15.30 min Scan# 1420

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

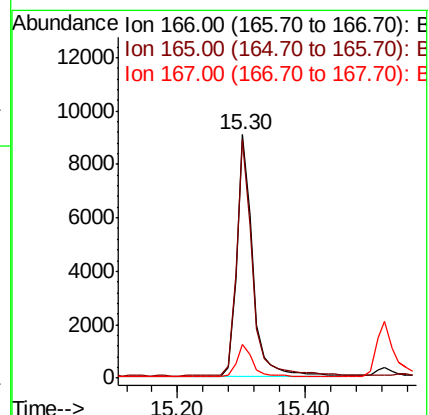
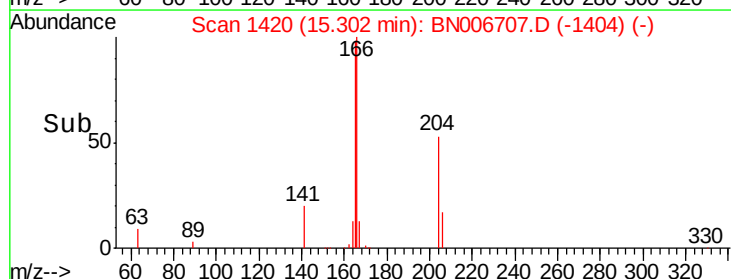
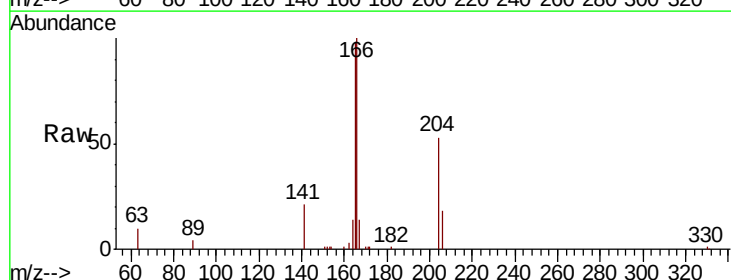
Tgt Ion:166 Resp: 15585

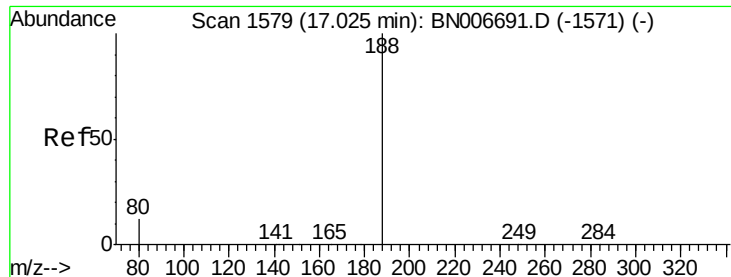
Ion Ratio Lower Upper

166 100

165 97.5 78.0 117.0

167 13.6 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.00 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

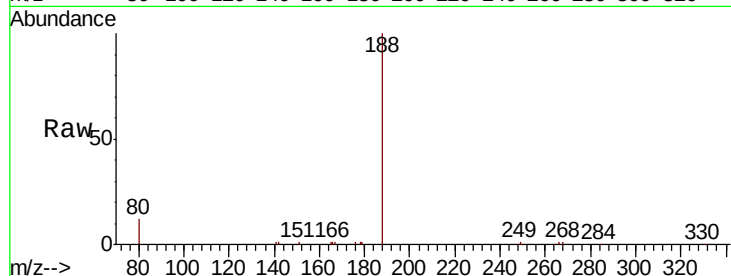
Tgt Ion:188 Resp: 21631

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

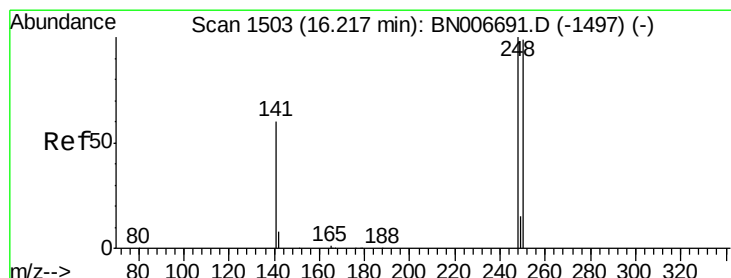
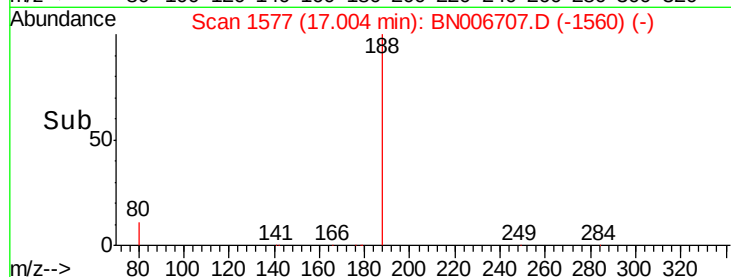
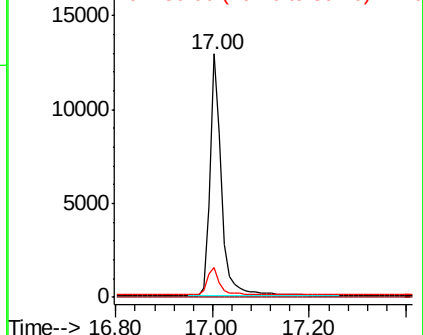
80 12.2 10.3 15.5



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: 0.395 ng

RT: 16.20 min Scan# 1501

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

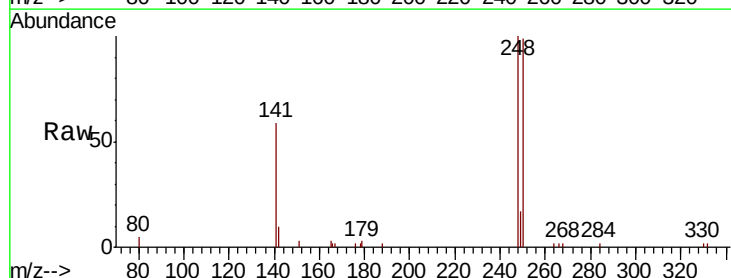
Tgt Ion:248 Resp: 5034

Ion Ratio Lower Upper

248 100

250 98.7 79.0 118.6

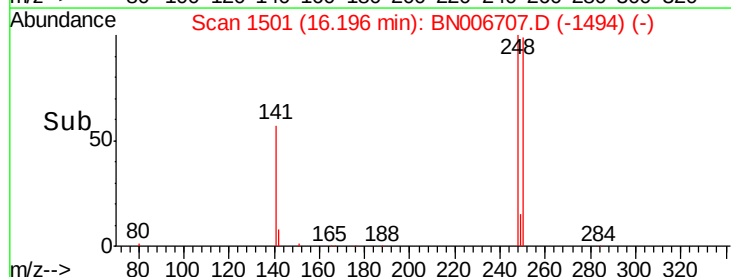
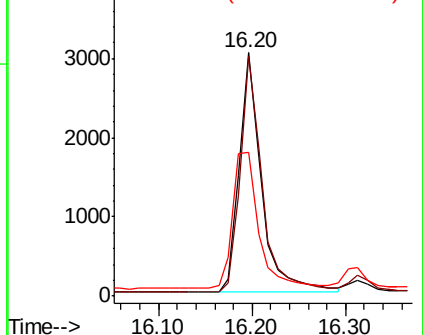
141 59.2 50.2 75.4

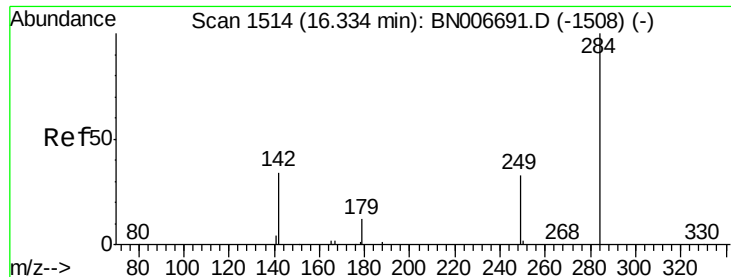


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

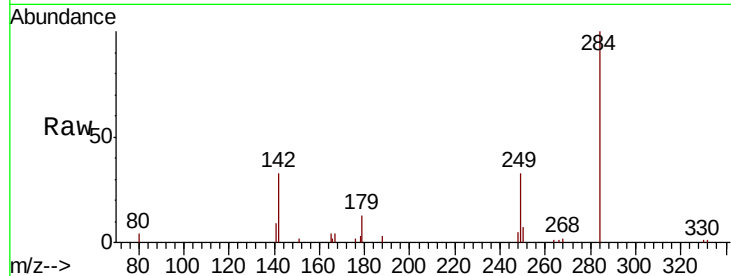




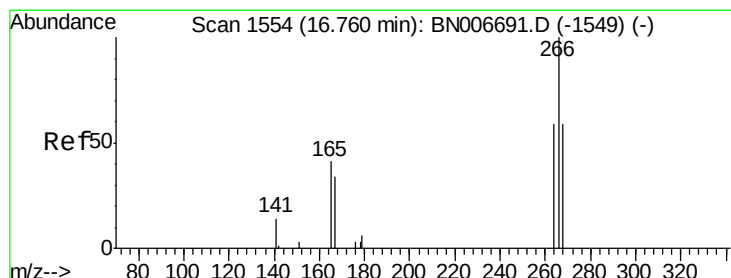
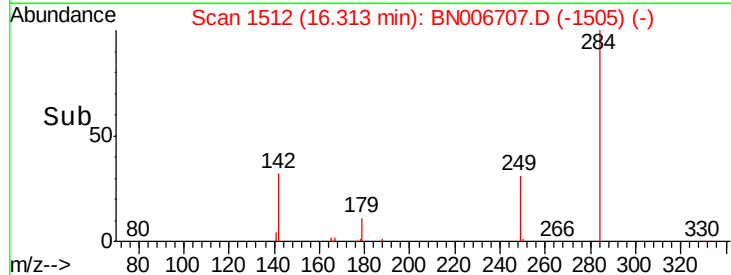
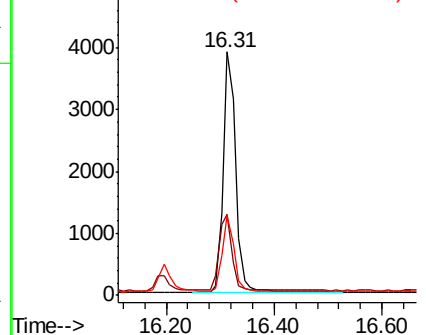
#21  
Hexachlorobenzene  
Concen: 0.409 ng  
RT: 16.31 min Scan# 1512  
Delta R.T. -0.02 min  
Lab File: BN006707.D  
Acq: 05 Jul 2019 10:12

Instrument :  
BNA\_N  
ClientSampleId :  
PB120849BS

Tgt Ion:284 Resp: 6196  
Ion Ratio Lower Upper  
284 100  
142 32.8 26.9 40.3  
249 29.6 24.4 36.6

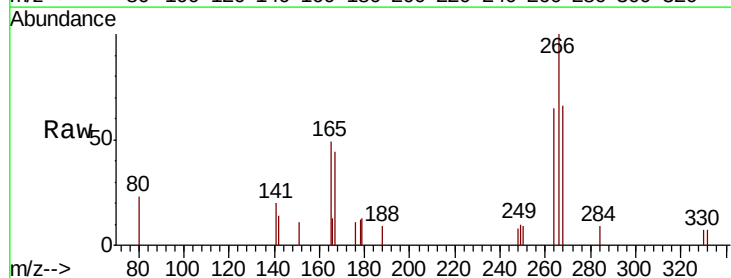


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

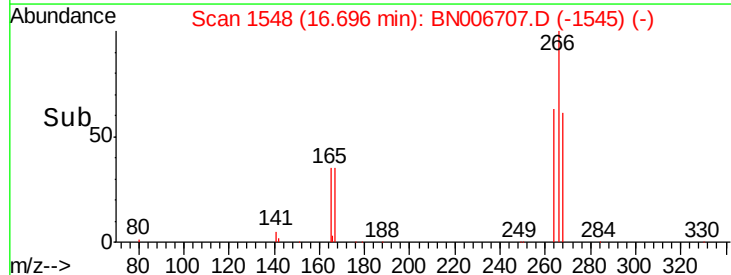
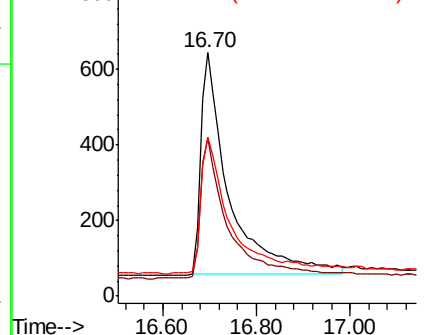


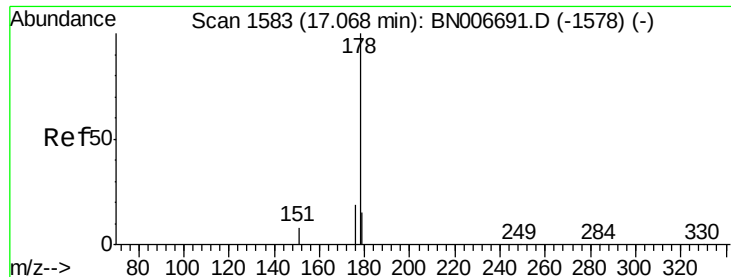
#22  
Pentachlorophenol  
Concen: 1.155 ng  
RT: 16.70 min Scan# 1548  
Delta R.T. -0.06 min  
Lab File: BN006707.D  
Acq: 05 Jul 2019 10:12

Tgt Ion:266 Resp: 2393  
Ion Ratio Lower Upper  
266 100  
264 64.8 57.6 86.4  
268 65.5 66.6 99.8#



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: 0.407 ng

RT: 17.05 min Scan# 1581

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

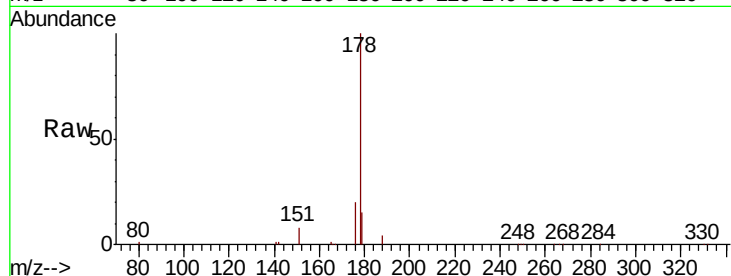
Tgt Ion:178 Resp: 25378

Ion Ratio Lower Upper

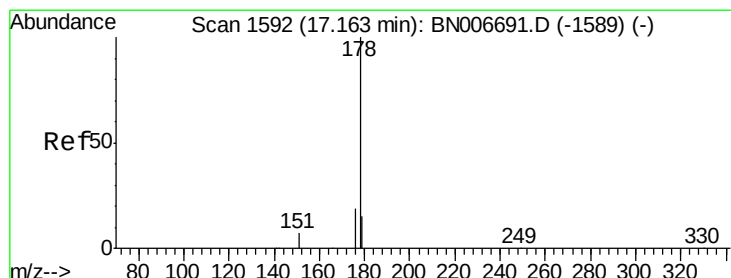
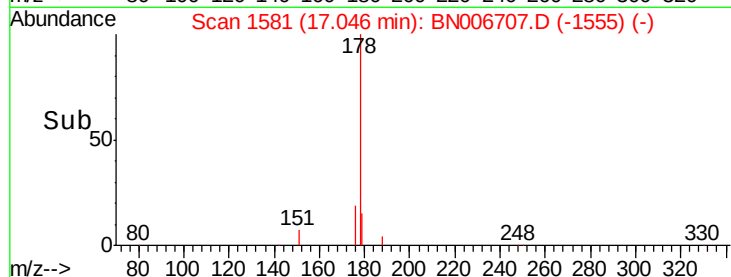
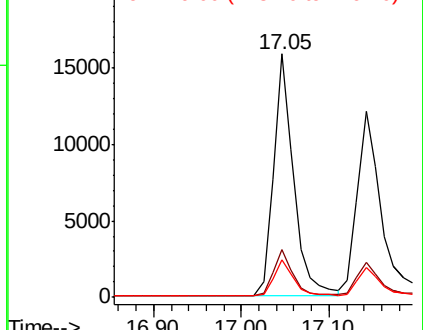
178 100

176 19.2 15.3 22.9

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



#24

Anthracene

Concen: 0.405 ng

RT: 17.14 min Scan# 1590

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

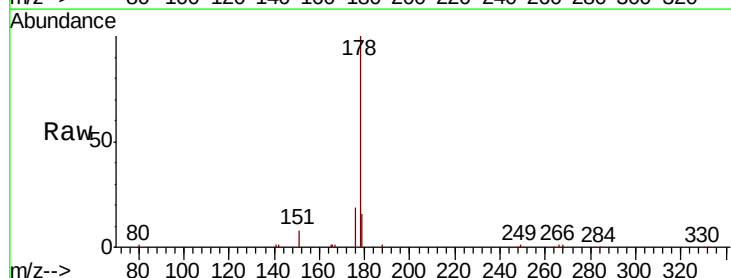
Tgt Ion:178 Resp: 22831

Ion Ratio Lower Upper

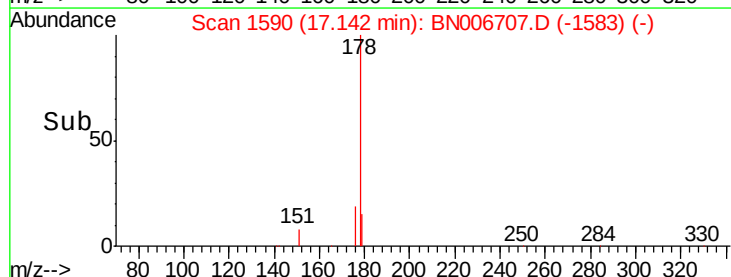
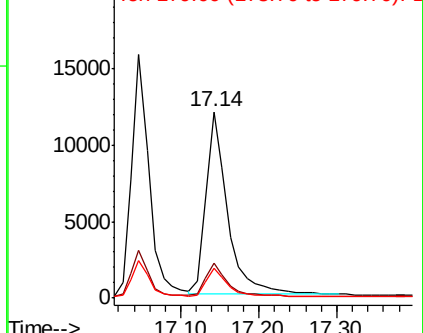
178 100

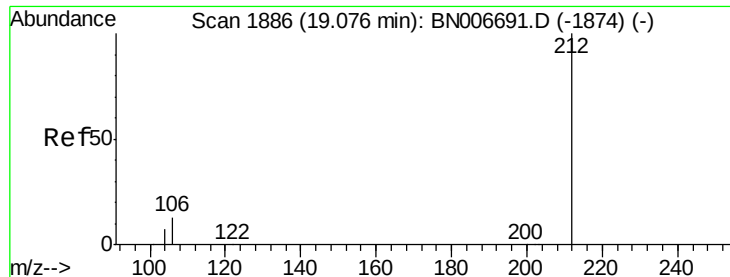
176 18.3 14.8 22.2

179 15.1 11.9 17.9



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: 0.429 ng

RT: 19.05 min Scan# 1881

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

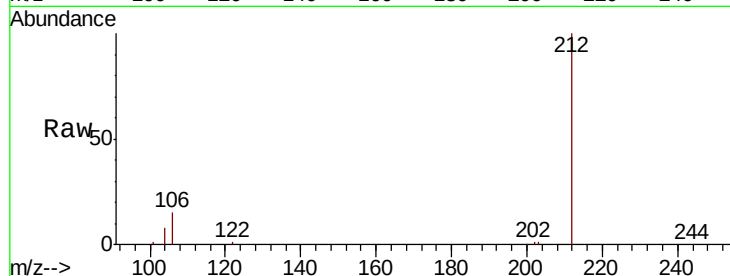
Tgt Ion:212 Resp: 26544

Ion Ratio Lower Upper

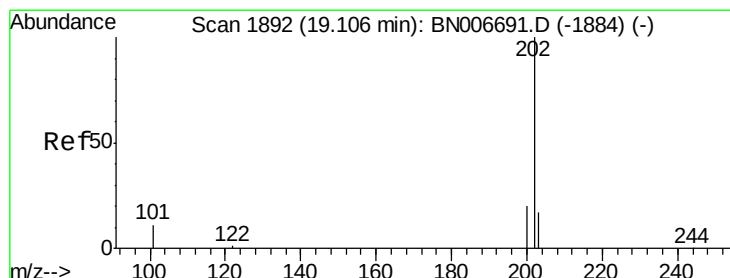
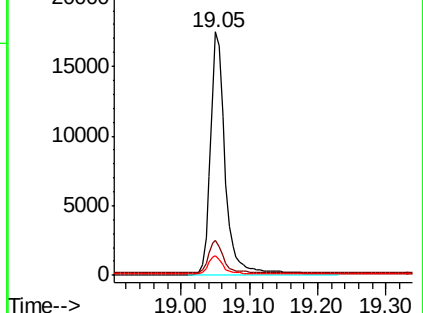
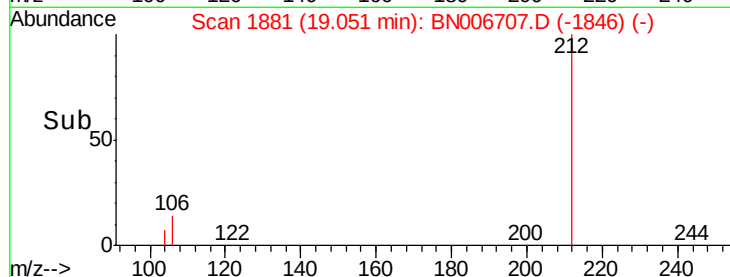
212 100

106 13.6 11.0 16.6

104 7.2 6.1 9.1



Abundance Ion 212.00 (211.70 to 212.70): E  
Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.441 ng

RT: 19.09 min Scan# 1888

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

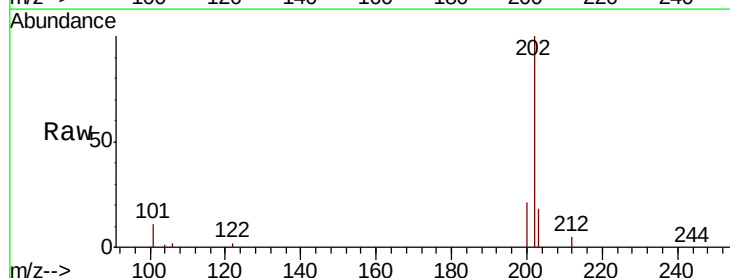
Tgt Ion:202 Resp: 32254

Ion Ratio Lower Upper

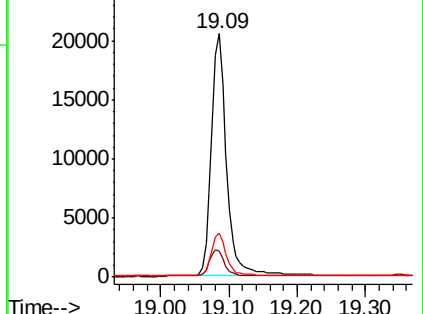
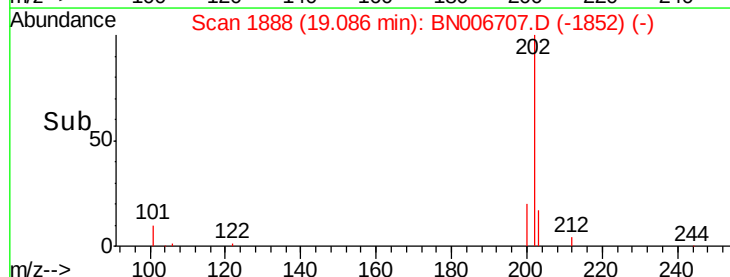
202 100

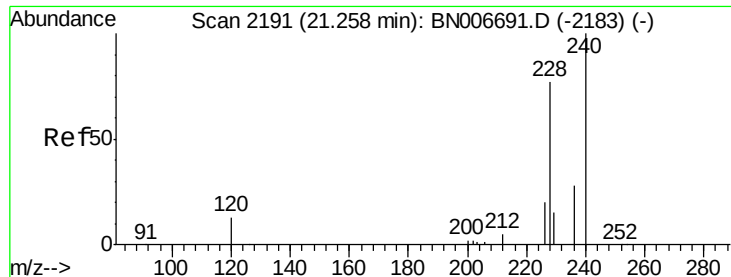
101 11.0 8.7 13.1

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: 21.24 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

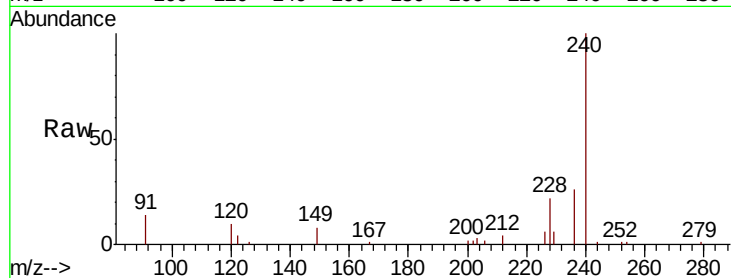
Tgt Ion:240 Resp: 24405

Ion Ratio Lower Upper

240 100

120 10.1 12.9 19.3#

236 25.8 23.2 34.8

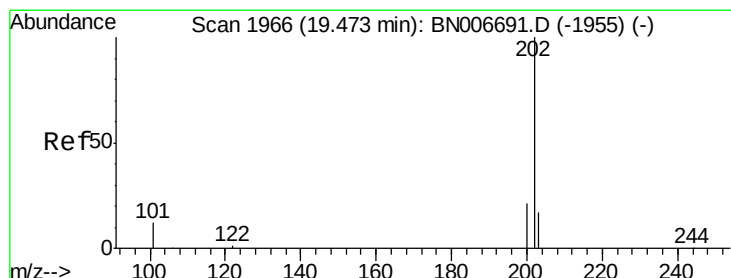
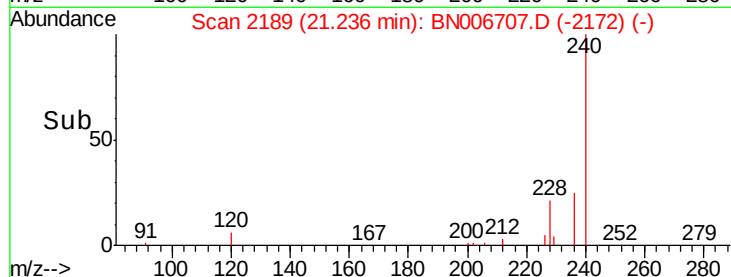
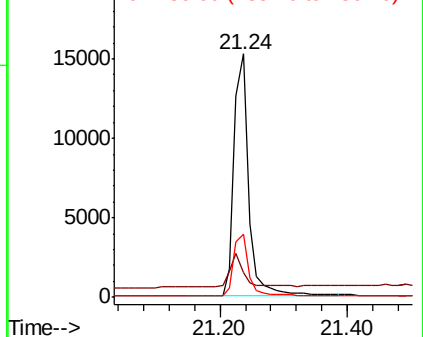


Abundance

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: 0.347 ng

RT: 19.45 min Scan# 1962

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

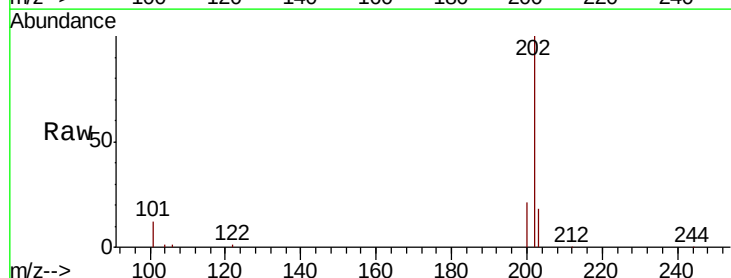
Tgt Ion:202 Resp: 33846

Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

203 17.7 14.2 21.2

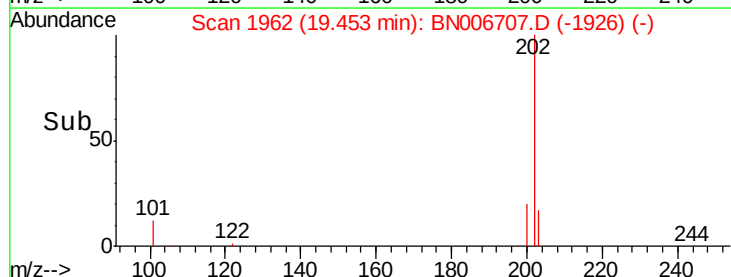
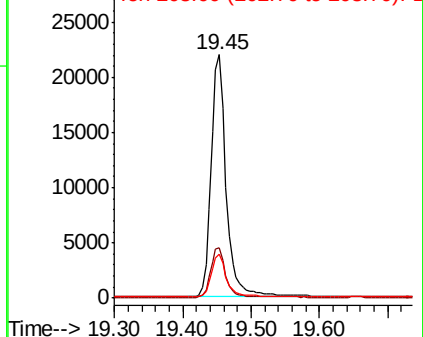


Abundance

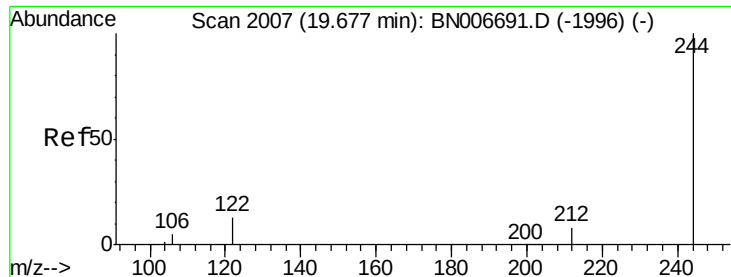
Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.331 ng

RT: 19.66 min Scan# 2003

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

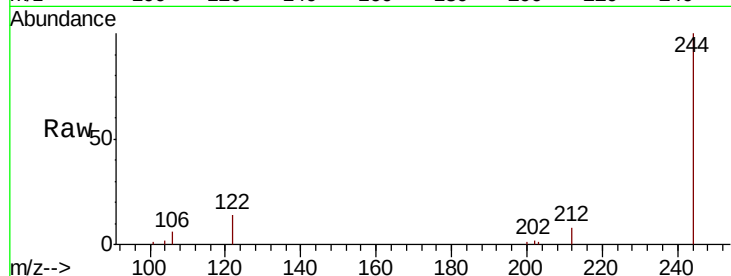
Tgt Ion:244 Resp: 18618

Ion Ratio Lower Upper

244 100

212 7.9 7.0 10.4

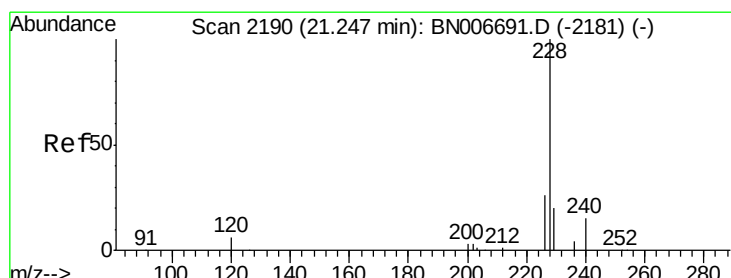
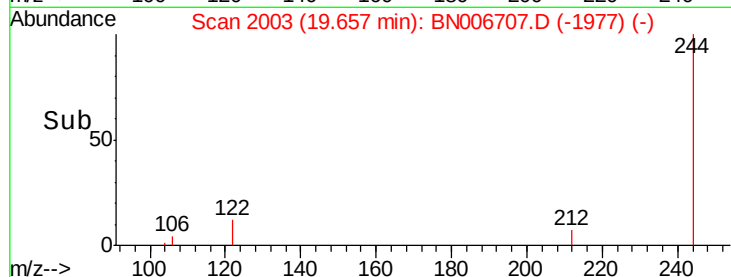
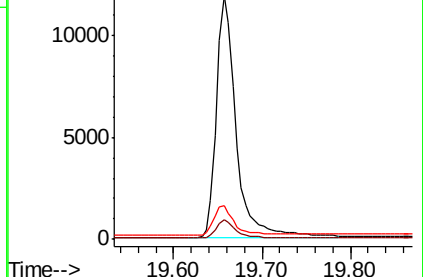
122 13.6 11.5 17.3



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: 0.370 ng

RT: 21.21 min Scan# 2187

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

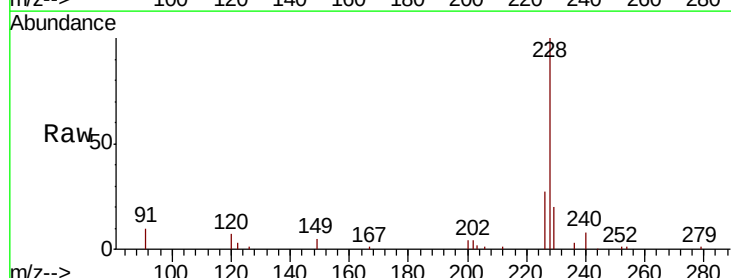
Tgt Ion:228 Resp: 31139

Ion Ratio Lower Upper

228 100

226 27.5 21.5 32.3

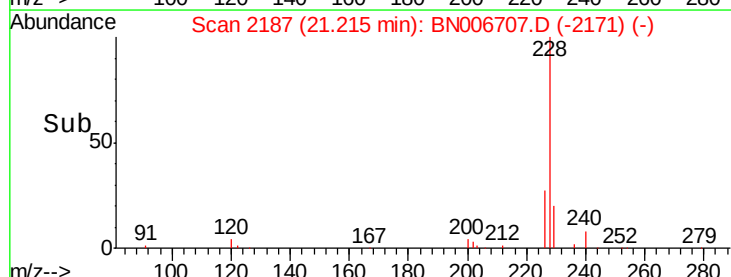
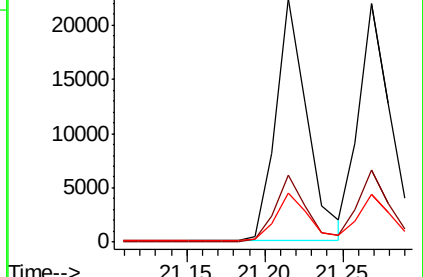
229 20.3 16.2 24.4

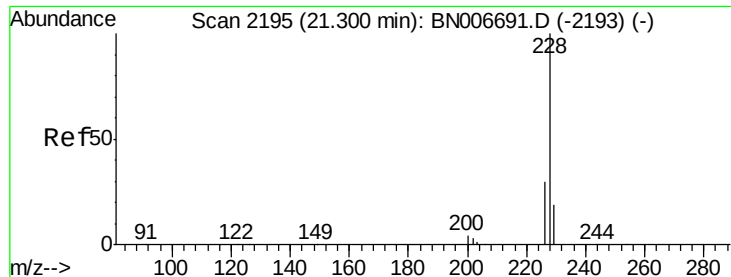


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.368 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

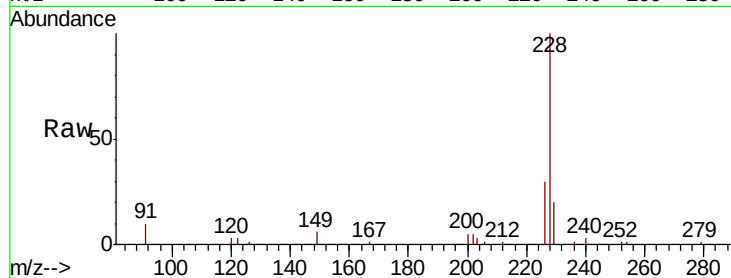
Tgt Ion:228 Resp: 31904

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.2

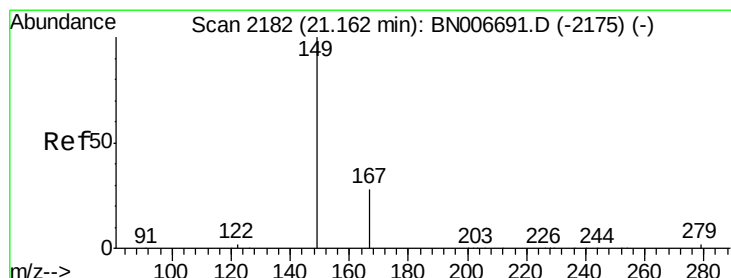
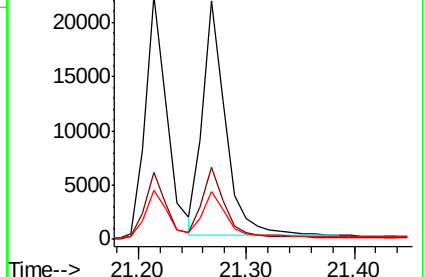
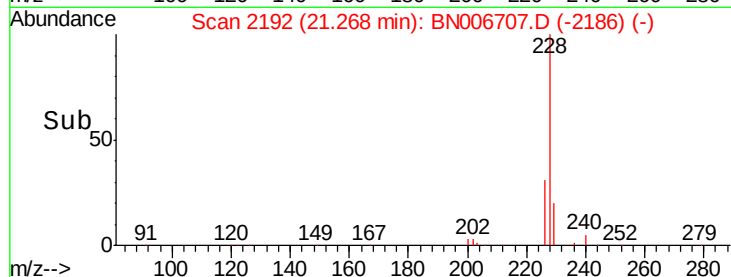
229 20.3 15.8 23.6



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: 0.076 ng

RT: 21.14 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

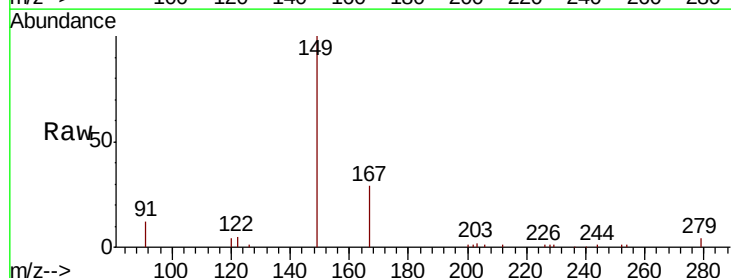
Tgt Ion:149 Resp: 19121

Ion Ratio Lower Upper

149 100

167 29.1 22.9 34.3

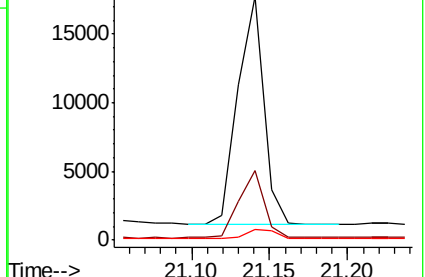
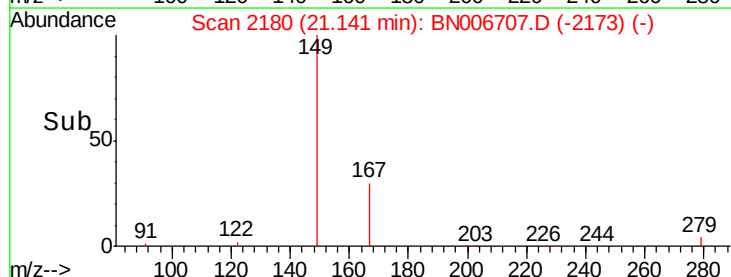
279 4.6 3.2 4.8

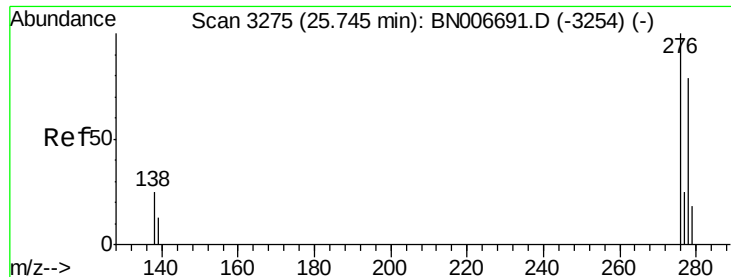


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.402 ng

RT: 25.68 min Scan# 3256

Delta R.T. -0.07 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

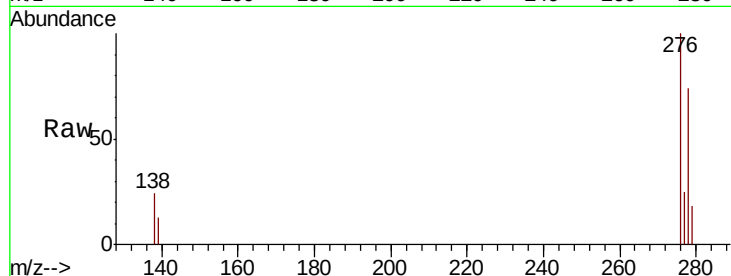
Tgt Ion:276 Resp: 41749

Ion Ratio Lower Upper

276 100

138 22.3 19.5 29.3

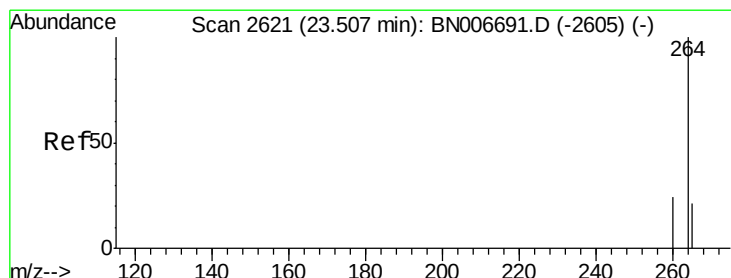
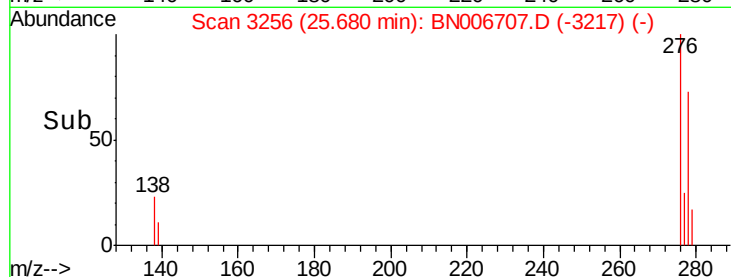
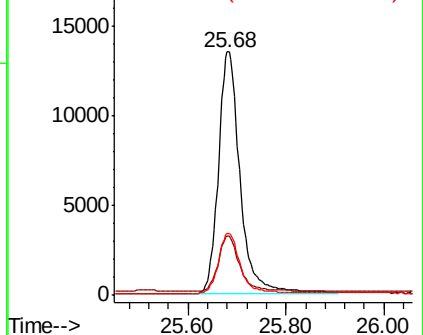
277 24.5 19.7 29.5



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: 23.46 min Scan# 2606

Delta R.T. -0.05 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

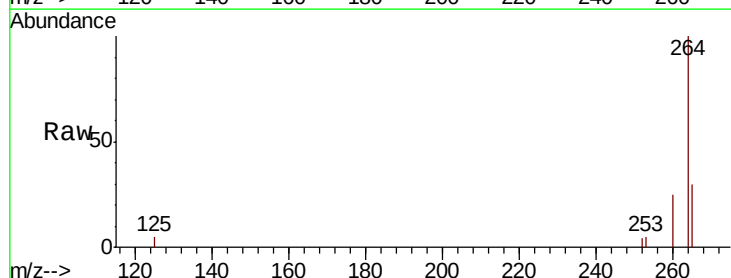
Tgt Ion:264 Resp: 26284

Ion Ratio Lower Upper

264 100

260 25.2 20.2 30.2

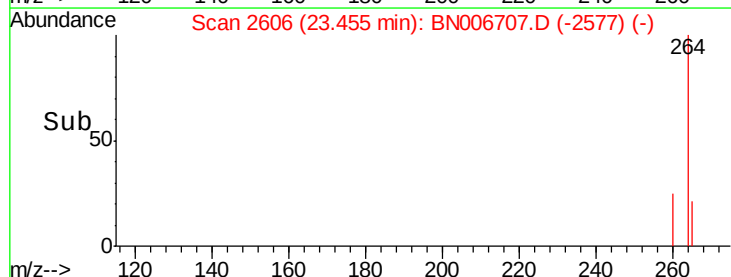
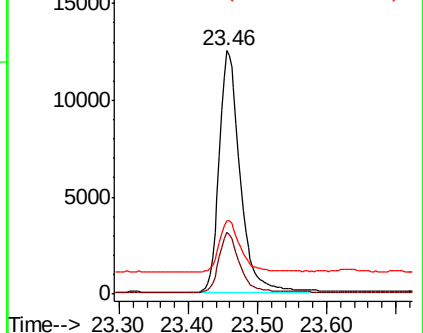
265 30.2 33.7 50.5#

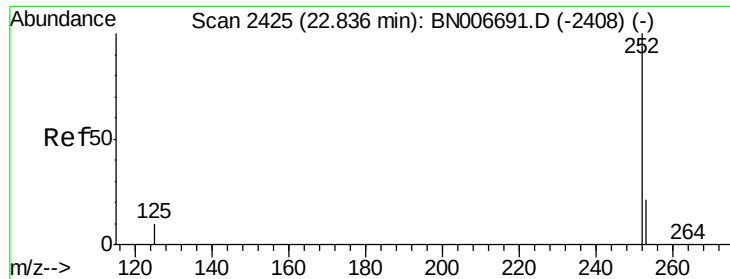


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.391 ng

RT: 22.79 min Scan# 2413

Delta R.T. -0.04 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

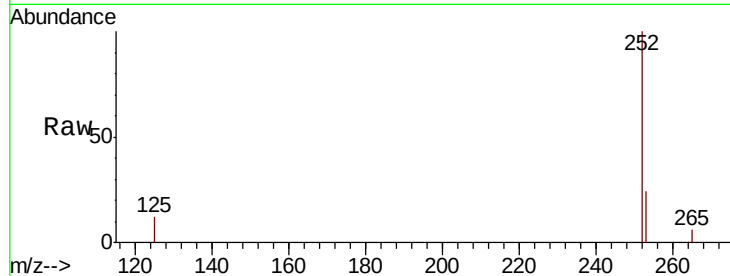
Tgt Ion:252 Resp: 32982

Ion Ratio Lower Upper

252 100

253 23.9 20.2 30.2

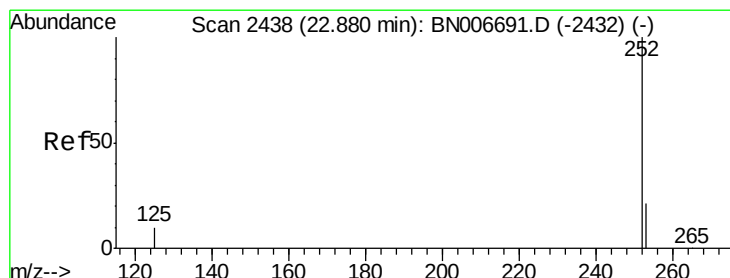
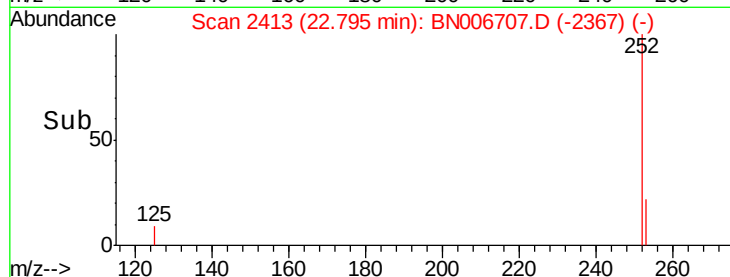
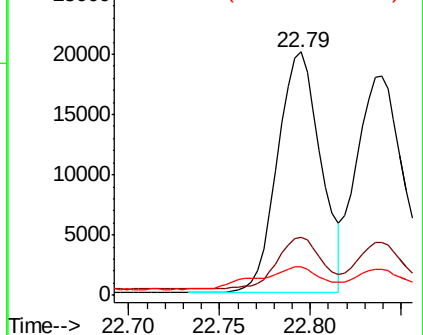
125 11.7 11.5 17.3



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



#36

Benzo(k)fluoranthene

Concen: 0.384 ng

RT: 22.84 min Scan# 2426

Delta R.T. -0.04 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

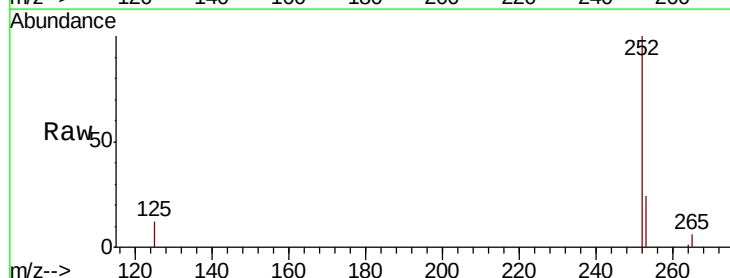
Tgt Ion:252 Resp: 35145

Ion Ratio Lower Upper

252 100

253 24.1 20.1 30.1

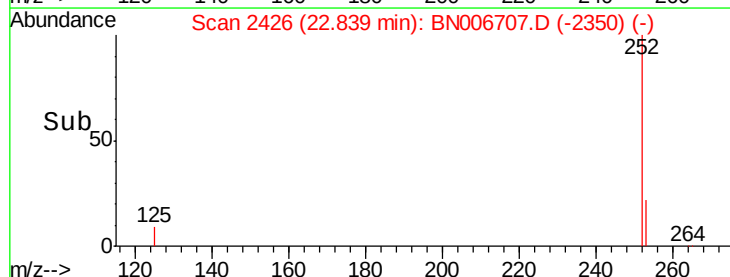
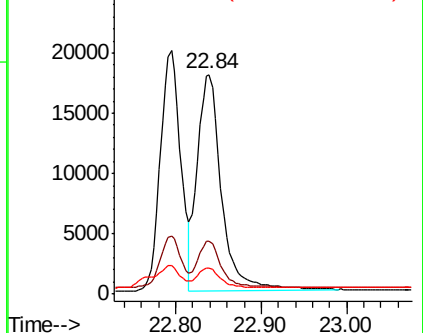
125 11.6 11.4 17.0

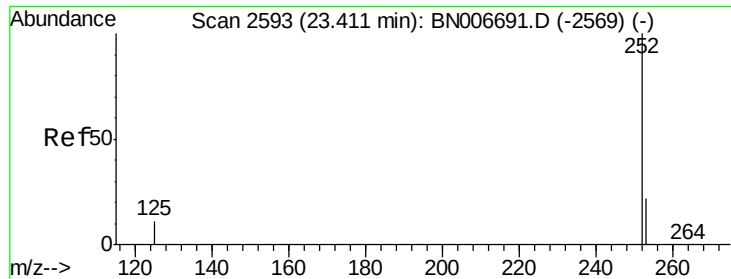


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.403 ng

RT: 23.36 min Scan# 2579

Delta R.T. -0.05 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS

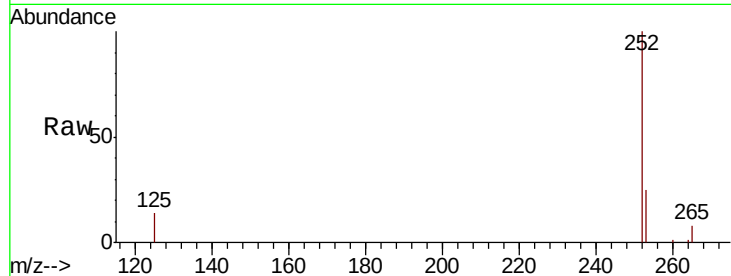
Tgt Ion:252 Resp: 32900

Ion Ratio Lower Upper

252 100

253 24.8 21.4 32.2

125 13.6 13.3 19.9

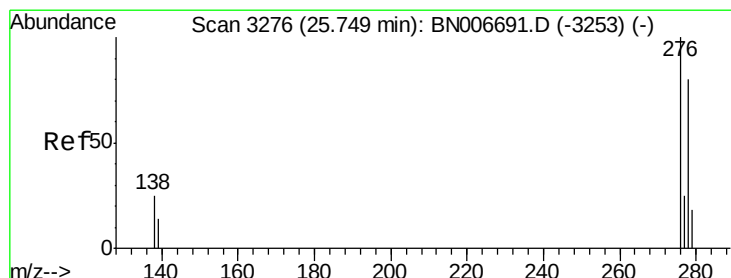
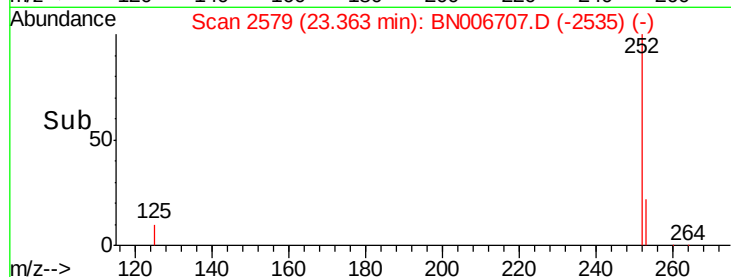
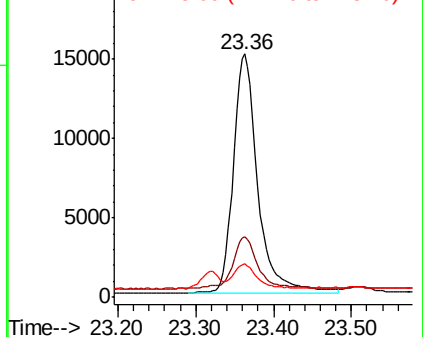


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.409 ng

RT: 25.69 min Scan# 3258

Delta R.T. -0.06 min

Lab File: BN006707.D

Acq: 05 Jul 2019 10:12

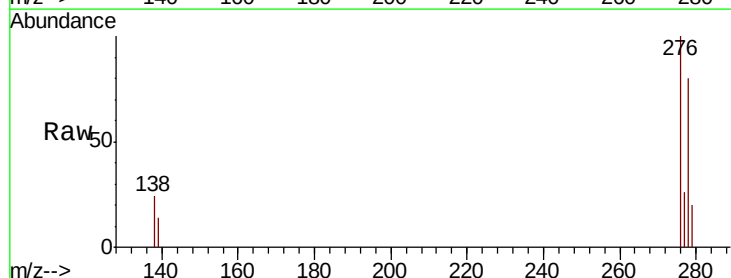
Tgt Ion:278 Resp: 33204

Ion Ratio Lower Upper

278 100

139 17.0 16.2 24.4

279 25.0 20.7 31.1

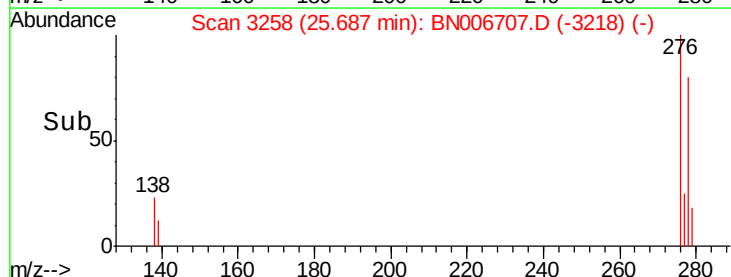
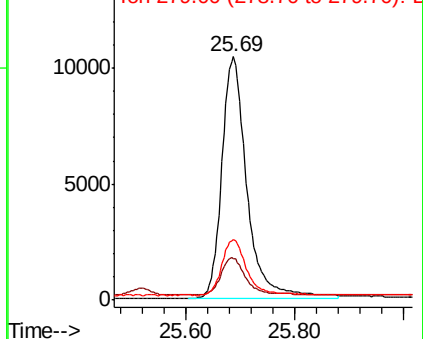


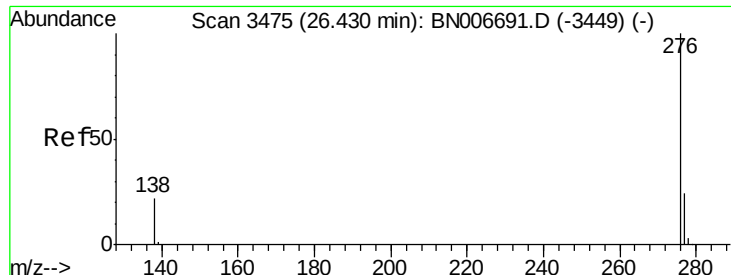
Abundance

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: 0.418 ng

RT: 26.36 min Scan# 3455

Delta R.T. -0.07 min

Lab File: BN006707.D

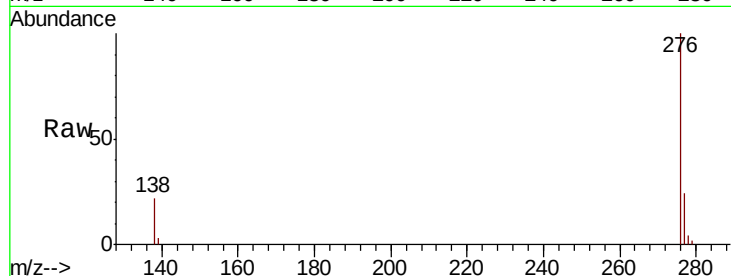
Acq: 05 Jul 2019 10:12

Instrument :

BNA\_N

ClientSampleId :

PB120849BS



Tgt Ion: 276 Resp: 34931

Ion Ratio Lower Upper

276 100

277 24.5 20.6 30.8

138 22.1 19.7 29.5

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

