

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082619\  
 Data File : BN007412.D  
 Acq On : 26 Aug 2019 16:37  
 Operator : HP/JU  
 Sample : SSTDC00.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDC00.4

Quant Time: Aug 27 12:35:32 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 24 00:38:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 4376     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 17927    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.05 | 164  | 10346    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.79 | 188  | 24927    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.02 | 240  | 25647    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.13 | 264  | 27886    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.03  | 112 | 5205  | 0.34 | ng | 0.00 |
| 5) Phenol-d6                | 6.59  | 99  | 6172  | 0.31 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.53  | 82  | 5581  | 0.36 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.76 | 152 | 11218 | 0.38 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.55 | 330 | 2106  | 0.39 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.66 | 172 | 15177 | 0.36 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.84 | 212 | 30535 | 0.38 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.46 | 244 | 26315 | 0.39 | ng | 0.00 |

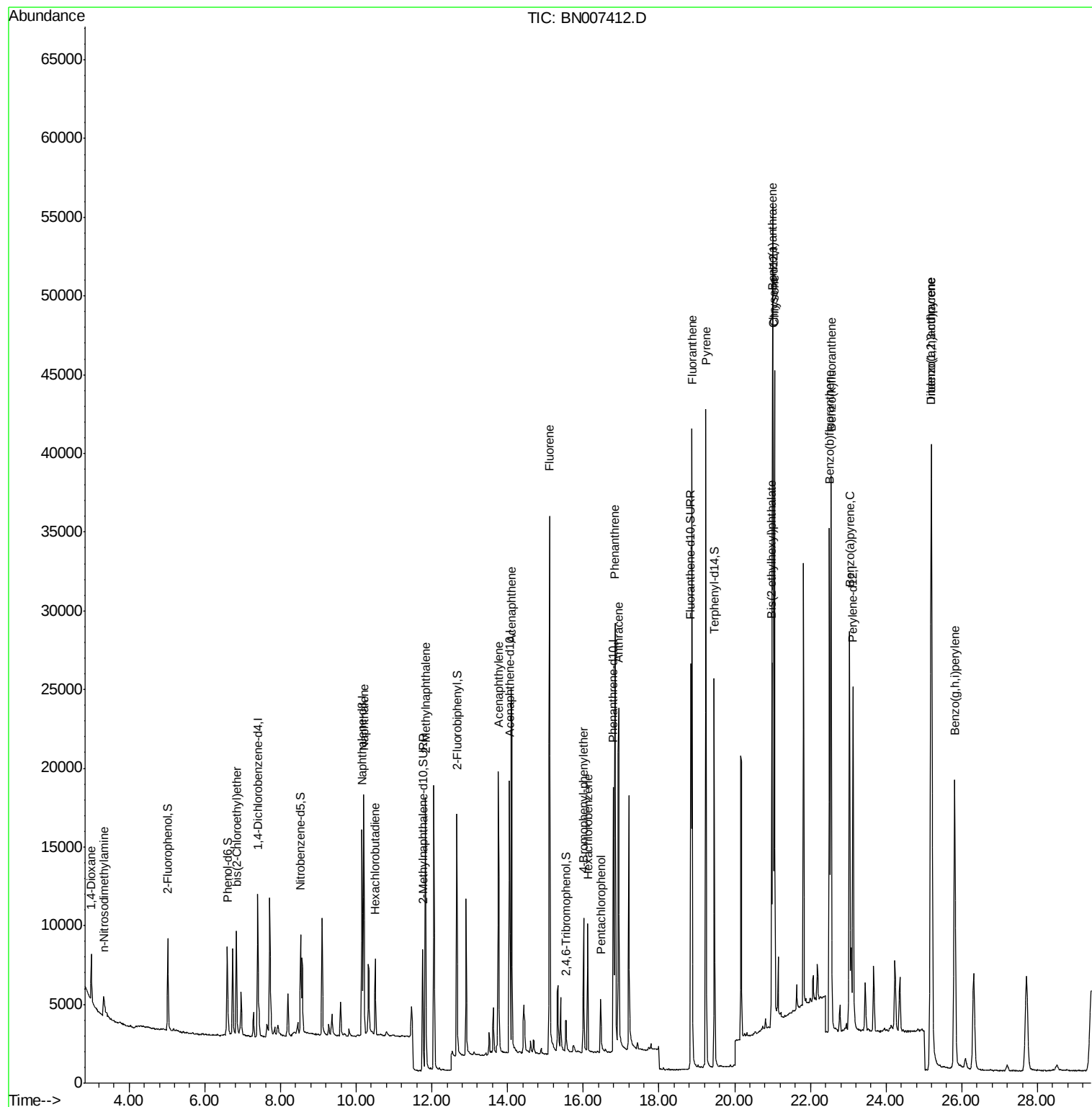
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.01  | 88  | 2938  | 0.404  | ng | # 75 |
| 3) n-Nitrosodimethylamine      | 3.32  | 42  | 1085  | 0.321  | ng | # 83 |
| 6) bis(2-Chloroethyl)ether     | 6.84  | 93  | 5838  | 0.369  | ng | 98   |
| 9) Naphthalene                 | 10.20 | 128 | 19759 | 0.386  | ng | # 90 |
| 10) Hexachlorobutadiene        | 10.51 | 225 | 3912  | 0.373  | ng | # 99 |
| 12) 2-Methylnaphthalene        | 11.83 | 142 | 13311 | 0.381  | ng | 96   |
| 16) Acenaphthylene             | 13.76 | 152 | 21209 | 0.346  | ng | 99   |
| 17) Acenaphthene               | 14.10 | 154 | 13049 | 0.364  | ng | 99   |
| 18) Fluorene                   | 15.10 | 166 | 17351 | 0.383  | ng | 98   |
| 20) 4-Bromophenyl-phenylether  | 16.01 | 248 | 3448  | 0.351  | ng | 96   |
| 21) Hexachlorobenzene          | 16.11 | 284 | 6633  | 0.397  | ng | 95   |
| 22) Pentachlorophenol          | 16.46 | 266 | 2298  | 0.443  | ng | # 64 |
| 23) Phenanthrene               | 16.84 | 178 | 28963 | 0.386  | ng | 99   |
| 24) Anthracene                 | 16.93 | 178 | 26949 | 0.357  | ng | 100  |
| 26) Fluoranthene               | 18.87 | 202 | 38095 | 0.396  | ng | 100  |
| 28) Pyrene                     | 19.24 | 202 | 39298 | 0.381  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.00 | 228 | 37731 | 0.375  | ng | 99   |
| 31) Chrysene                   | 21.06 | 228 | 38277 | 0.394  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 20.97 | 149 | 21334 | 0.308  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.19 | 276 | 45756 | 0.391  | ng | 97   |
| 35) Benzo(b)fluoranthene       | 22.51 | 252 | 40331 | 0.399  | ng | # 96 |
| 36) Benzo(k)fluoranthene       | 22.55 | 252 | 40360 | 0.404  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.03 | 252 | 36894 | 0.384  | ng | # 96 |
| 38) Dibenzo(a,h)anthracene     | 25.20 | 278 | 36481 | 0.380  | ng | # 78 |
| 39) Benzo(g,h,i)perylene       | 25.81 | 276 | 37174 | 0.389  | ng | 98   |

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

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Sample : SSTDCCC0.4  
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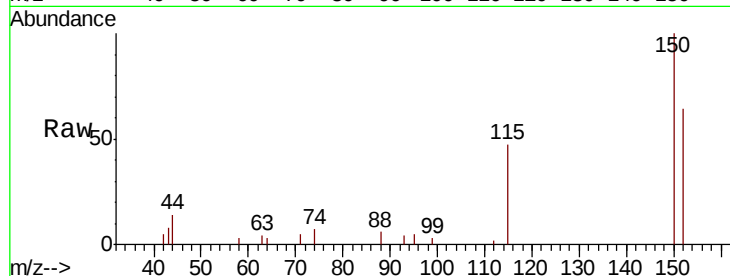


#1

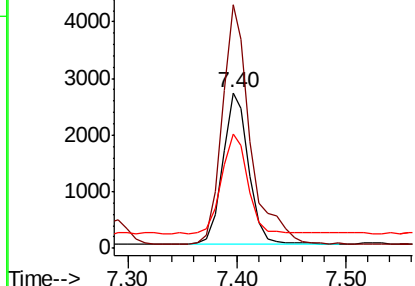
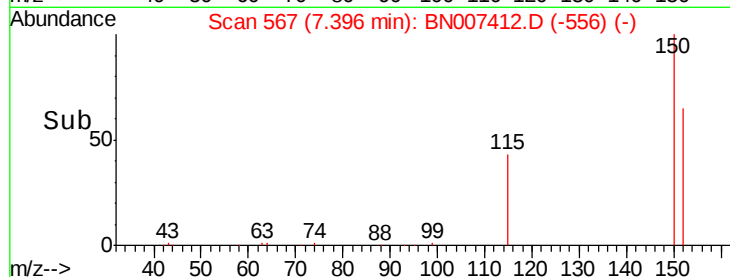
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.40 min Scan# 567  
Delta R.T. -0.01 min  
Lab File: BN007412.D  
Acq: 26 Aug 2019 16:37

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:152 Resp: 4376  
Ion Ratio Lower Upper  
152 100  
150 156.8 109.1 163.7  
115 73.9 59.6 89.4



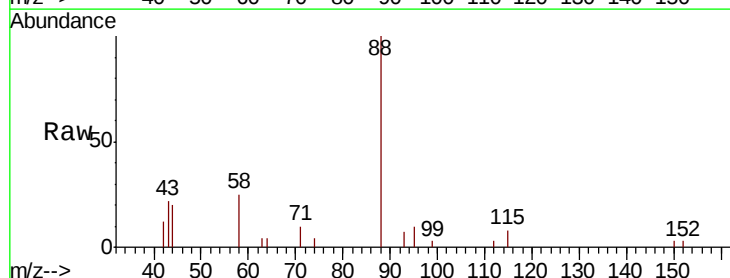
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



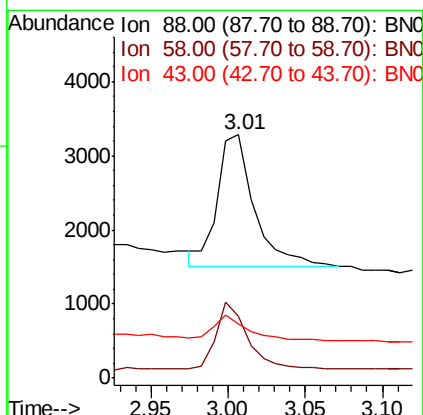
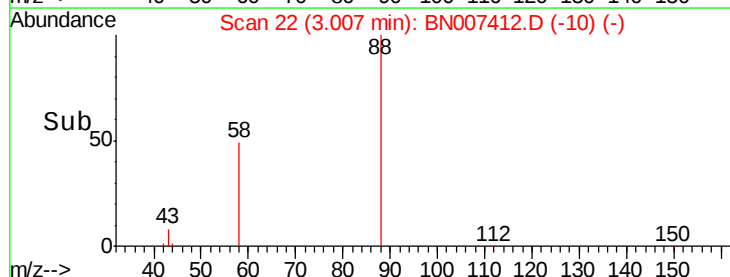
#2

1,4-Dioxane  
Concen: 0.404 ng  
RT: 3.01 min Scan# 22  
Delta R.T. -0.00 min  
Lab File: BN007412.D  
Acq: 26 Aug 2019 16:37

Tgt Ion: 88 Resp: 2938  
Ion Ratio Lower Upper  
88 100  
58 43.9 50.5 75.7#  
43 17.9 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BNC  
Ion 58.00 (57.70 to 58.70): BNC  
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.321 ng

RT: 3.32 min Scan# 61

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

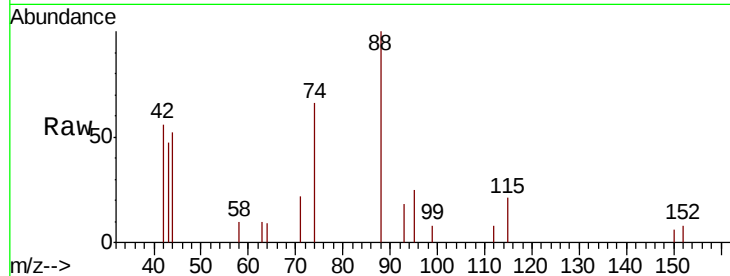
Tot Ion: 42 Resp: 1085

Ion Ratio Lower Upper

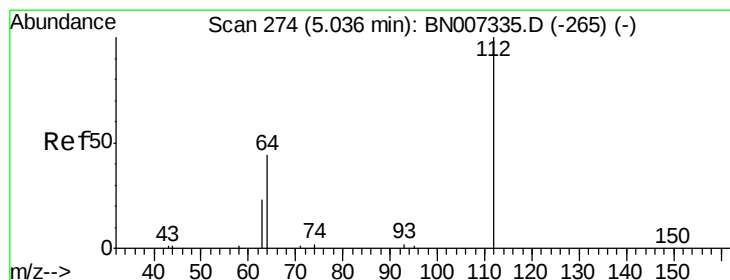
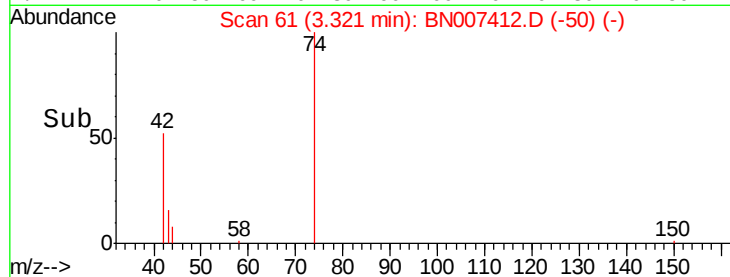
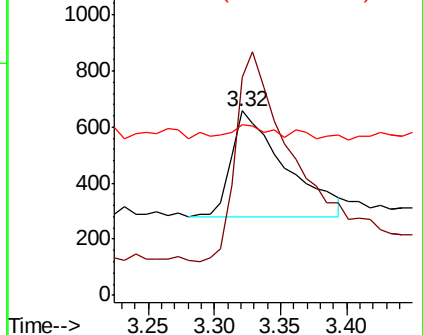
42 100

74 205.3 144.7 217.1

44 7.6 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: 0.338 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

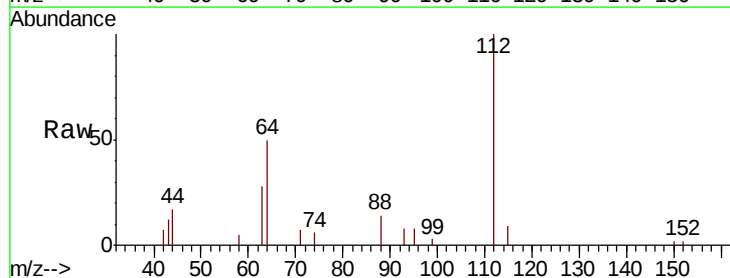
Tgt Ion: 112 Resp: 5205

Ion Ratio Lower Upper

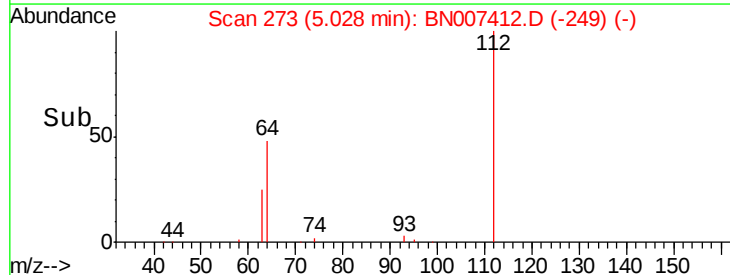
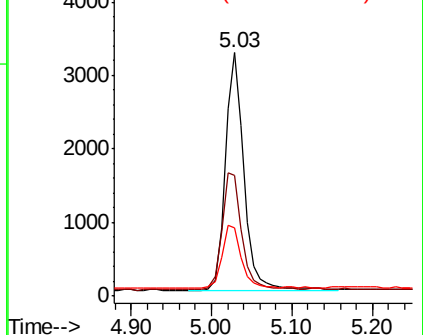
112 100

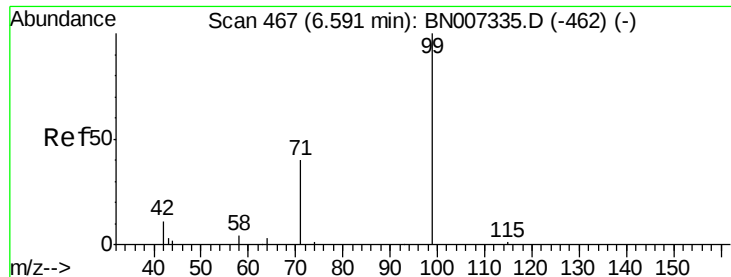
64 52.4 42.3 63.5

63 27.5 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: 0.313 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

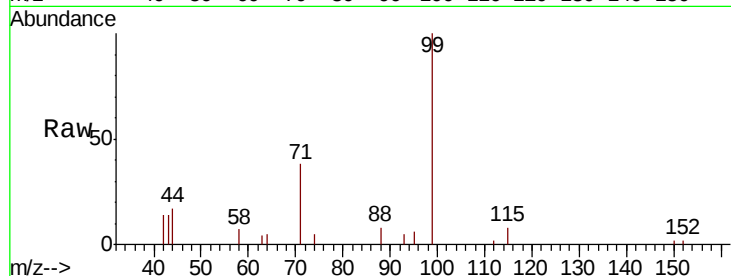
Tot Ion: 99 Resp: 6172

Ion Ratio Lower Upper

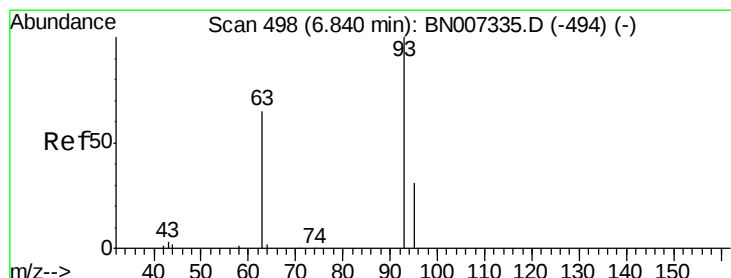
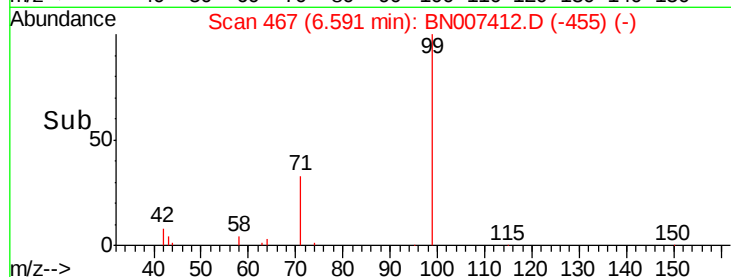
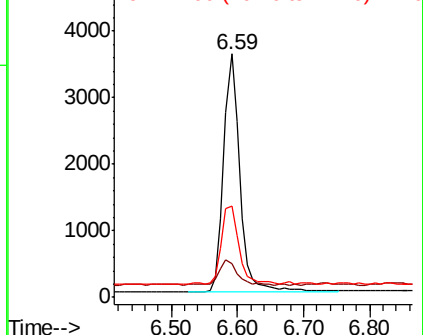
99 100

42 11.3 11.2 16.8

71 35.0 31.8 47.8



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



#6

bis(2-Chloroethyl)ether

Concen: 0.369 ng

RT: 6.84 min Scan# 498

Delta R.T. -0.00 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

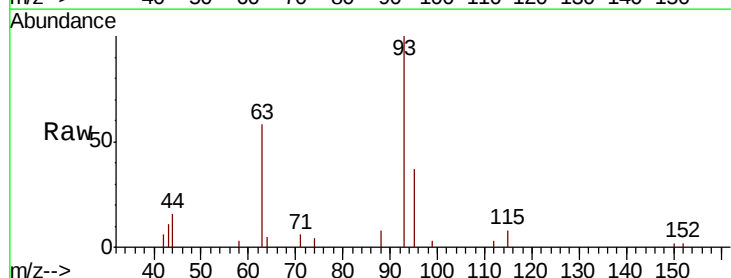
Tgt Ion: 93 Resp: 5838

Ion Ratio Lower Upper

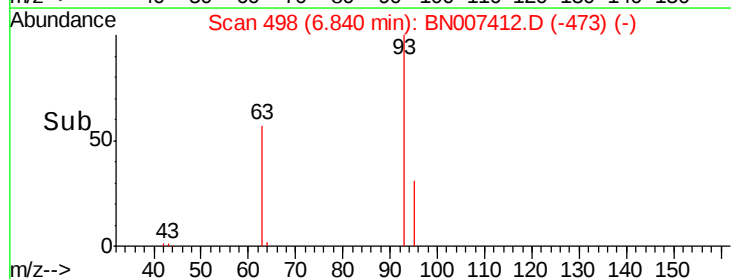
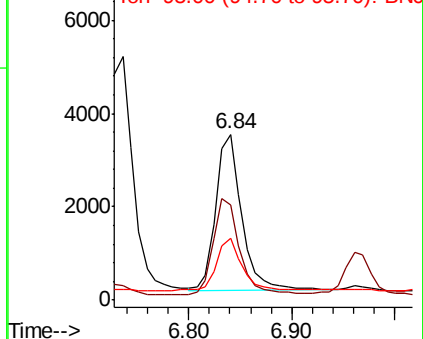
93 100

63 63.2 51.9 77.9

95 33.5 27.7 41.5



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 17927

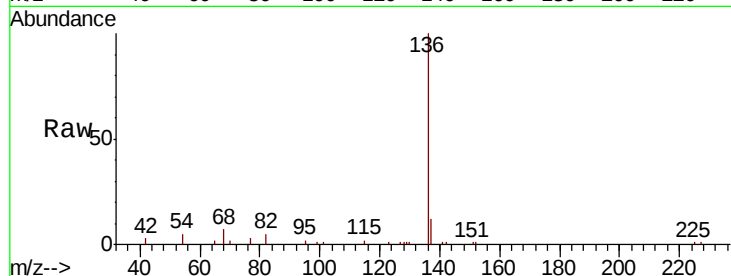
Ion Ratio Lower Upper

136 100

137 11.6 12.9 19.3#

54 5.2 8.6 12.8#

68 6.6 17.0 25.4#

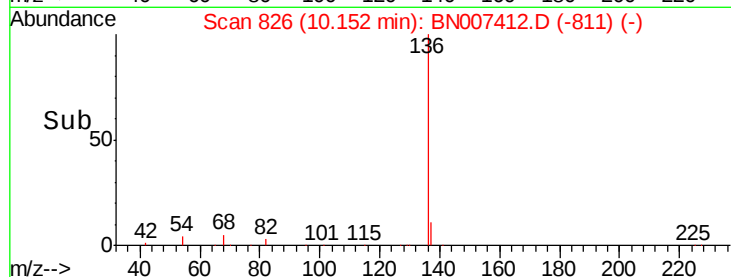


Abundance Ion 136.00 (135.70 to 136.70): E

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



Time-->



#8

Nitrobenzene-d5

Concen: 0.358 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

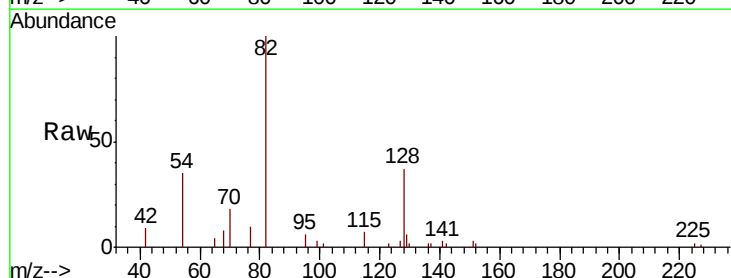
Tgt Ion: 82 Resp: 5581

Ion Ratio Lower Upper

82 100

128 36.9 19.7 29.5#

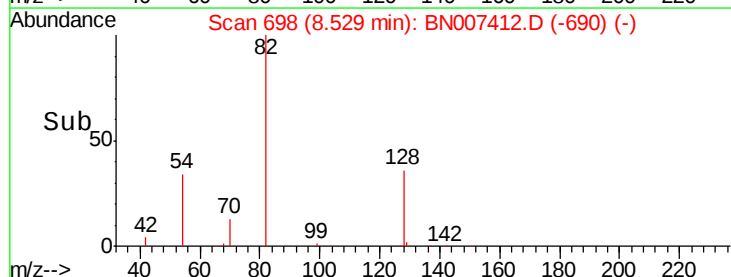
54 34.7 25.8 38.6



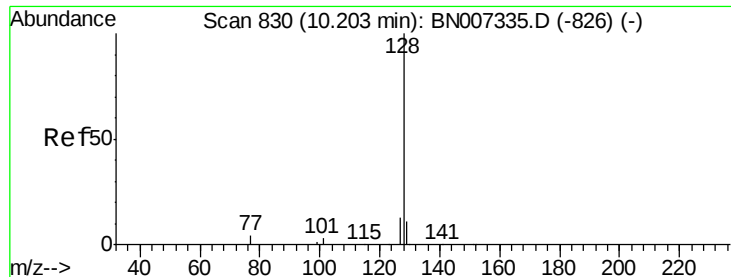
Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC



Time-->



#9

Naphthalene

Concen: 0.386 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

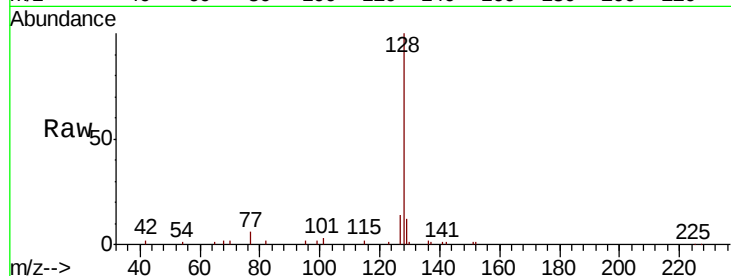
Tot Ion:128 Resp: 19759

Ion Ratio Lower Upper

128 100

129 11.9 11.1 16.7

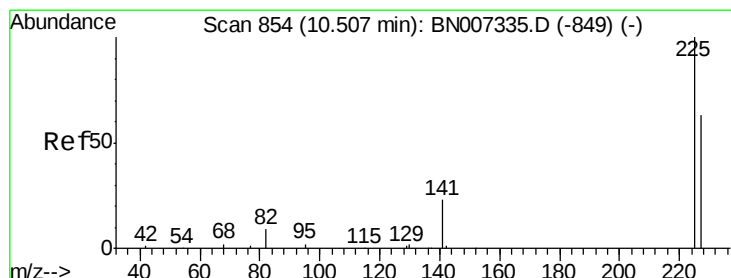
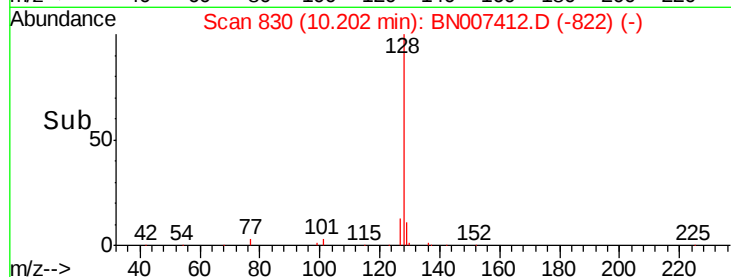
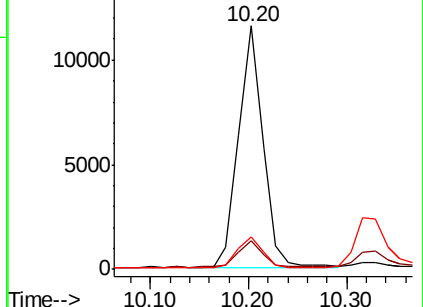
127 13.5 15.5 23.3#



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: 0.373 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.00 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

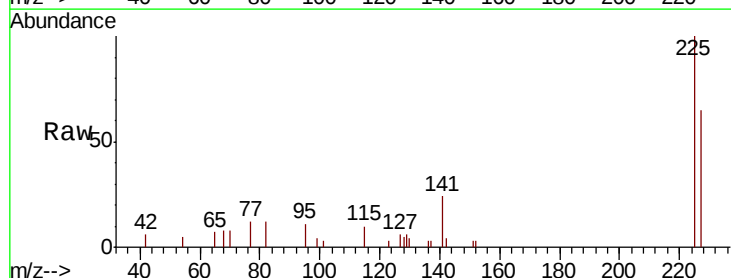
Tgt Ion:225 Resp: 3912

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

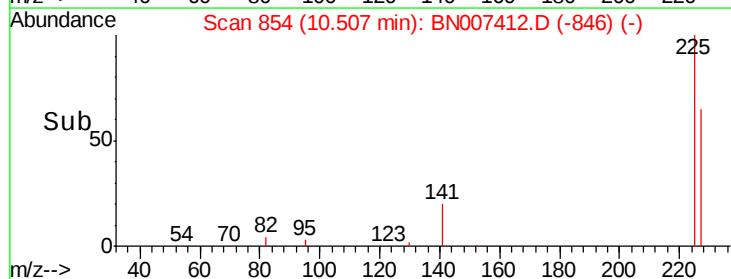
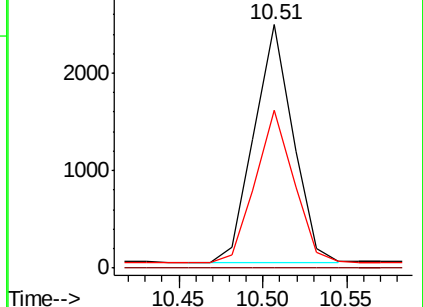
227 64.4 50.7 76.1

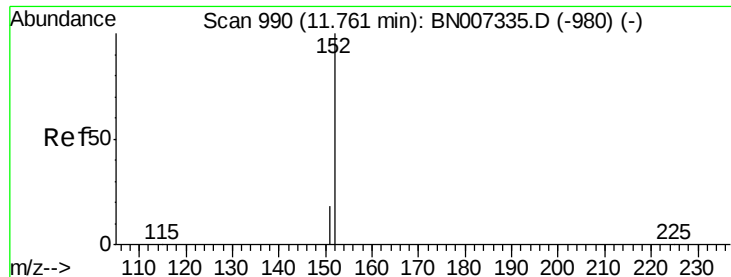


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.377 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

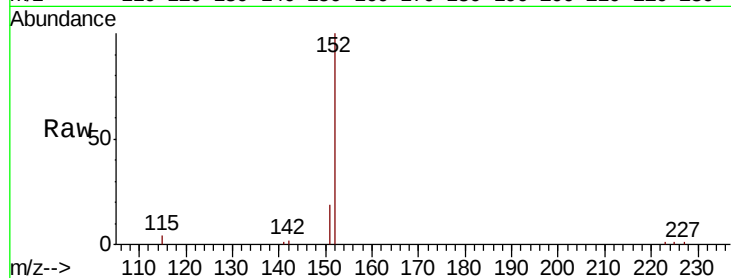
SSTDCCC0.4

Tot Ion:152 Resp: 11218

Ion Ratio Lower Upper

152 100

151 19.1 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.76

6000

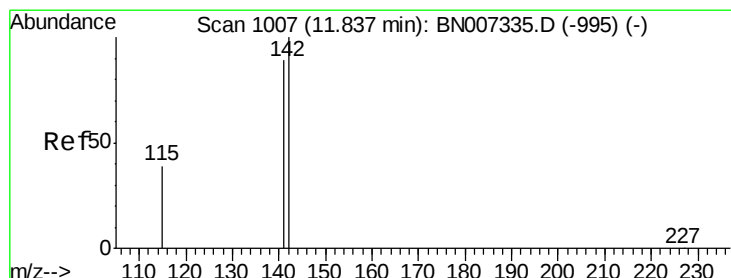
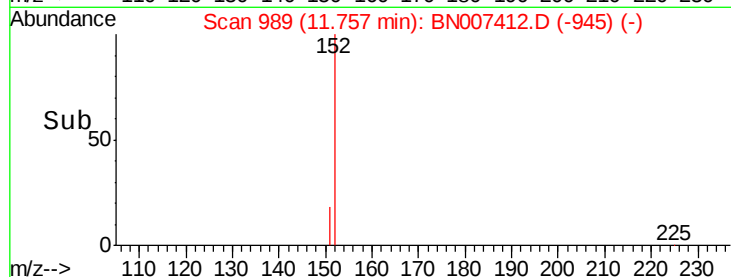
4000

2000

0

Time-->

11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.381 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

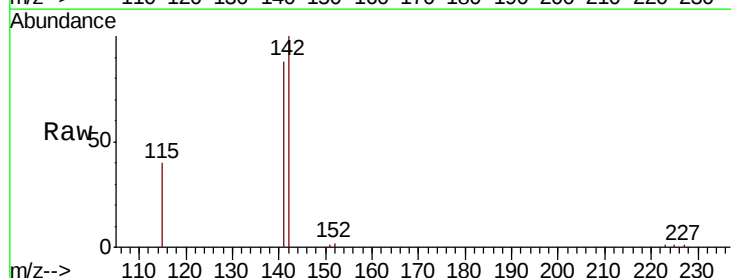
Tgt Ion:142 Resp: 13311

Ion Ratio Lower Upper

142 100

141 88.3 72.8 109.2

115 39.8 35.2 52.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.83

10000

8000

6000

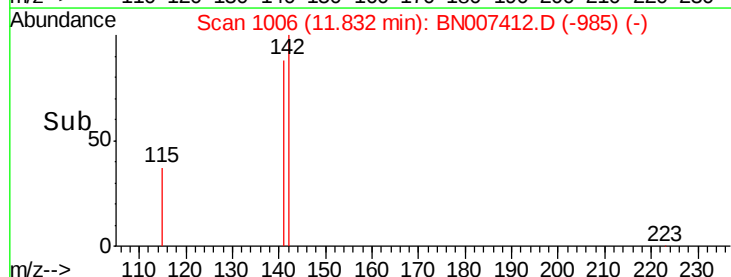
4000

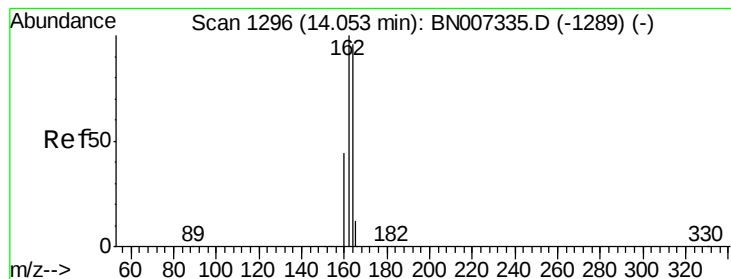
2000

0

Time-->

11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

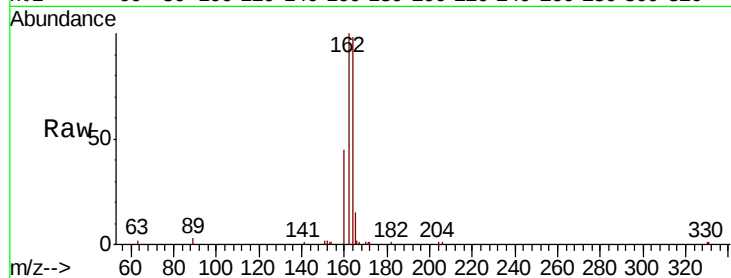
Tot Ion:164 Resp: 10346

Ion Ratio Lower Upper

164 100

162 101.6 83.5 125.3

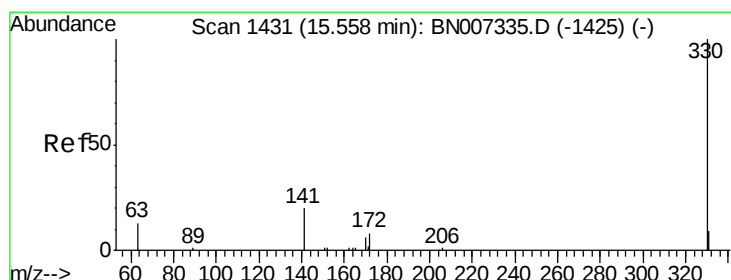
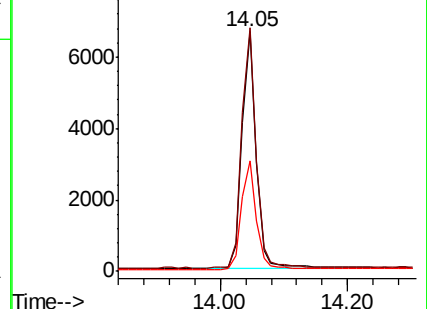
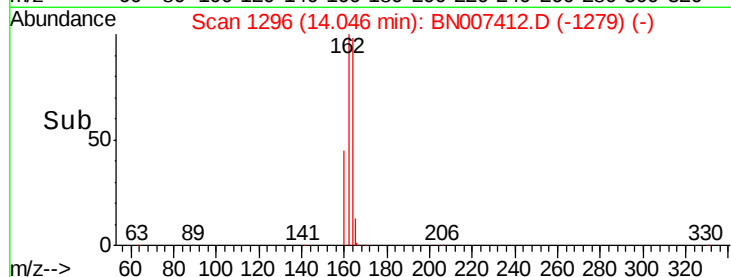
160 46.1 38.2 57.4



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: 0.389 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

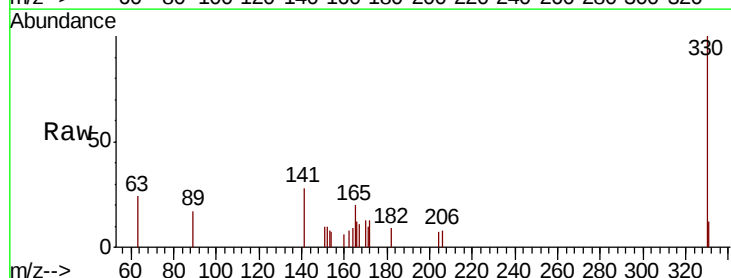
Tgt Ion:330 Resp: 2106

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

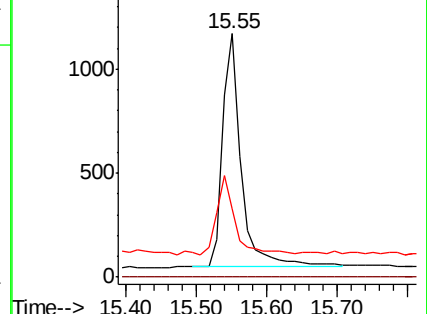
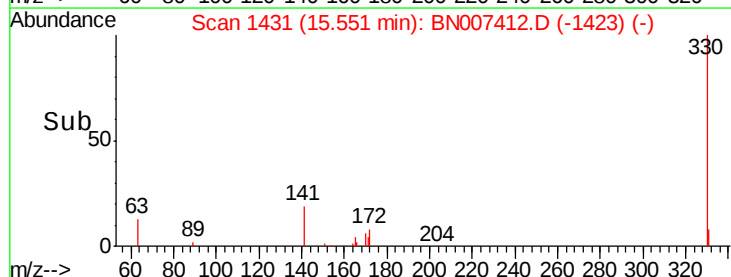
141 33.5 26.9 40.3



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

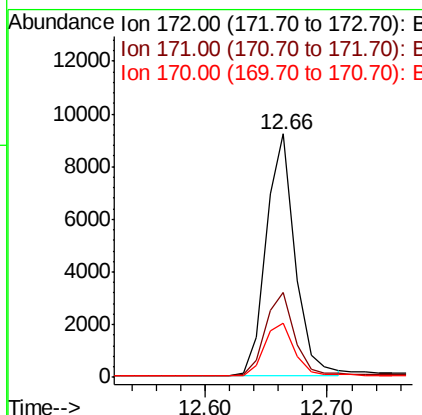
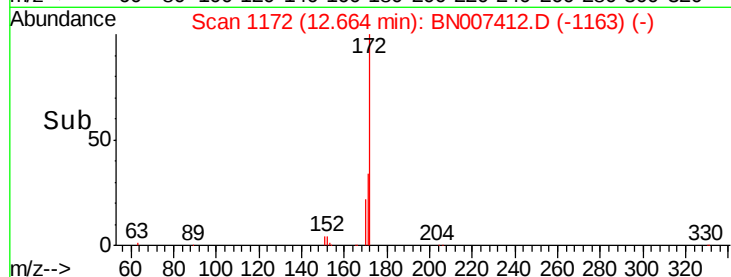
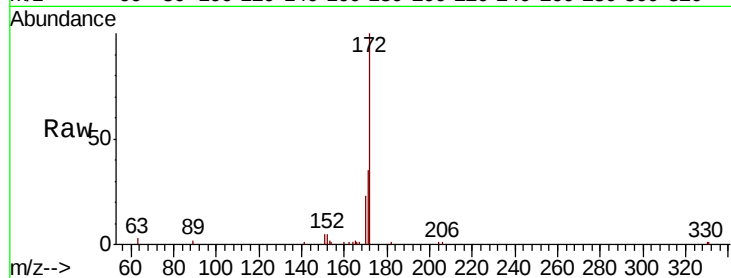




#15  
2-Fluorobiphenyl  
Concen: 0.364 ng  
RT: 12.66 min Scan# 1172  
Delta R.T. 0.00 min  
Lab File: BN007412.D  
Acq: 26 Aug 2019 16:37

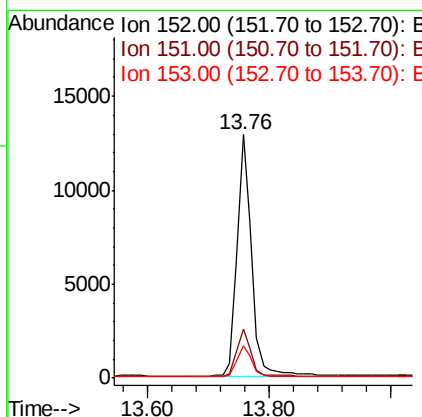
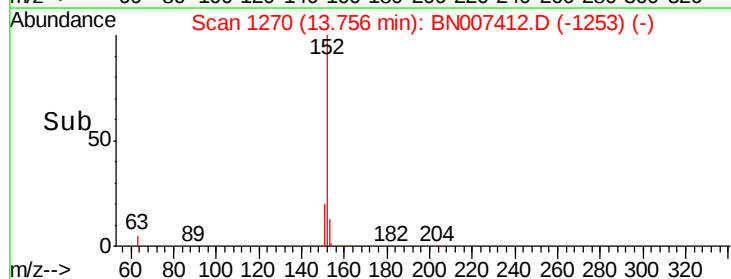
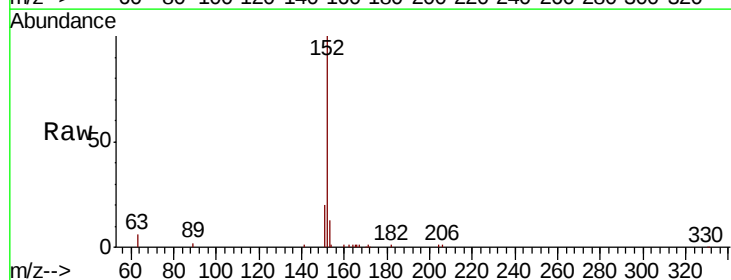
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

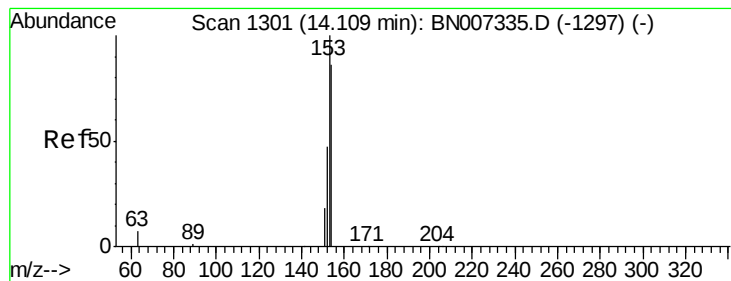
Tot Ion:172 Resp: 15177  
Ion Ratio Lower Upper  
172 100  
171 34.7 30.3 45.5  
170 22.5 20.7 31.1



#16  
Acenaphthylene  
Concen: 0.346 ng  
RT: 13.76 min Scan# 1270  
Delta R.T. -0.01 min  
Lab File: BN007412.D  
Acq: 26 Aug 2019 16:37

Tgt Ion:152 Resp: 21209  
Ion Ratio Lower Upper  
152 100  
151 19.6 16.1 24.1  
153 13.2 10.6 15.8





#17

Acenaphthene

Concen: 0.364 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

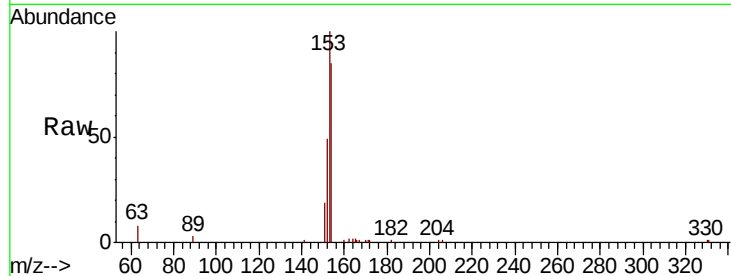
Tot Ion:154 Resp: 13049

Ion Ratio Lower Upper

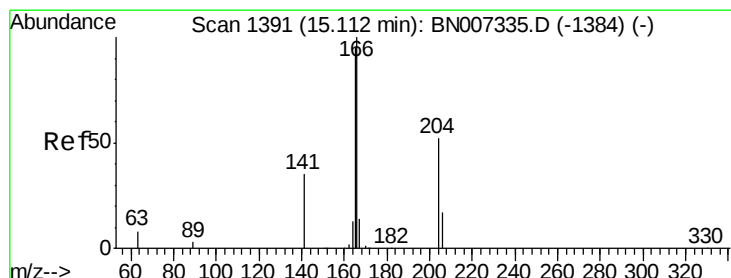
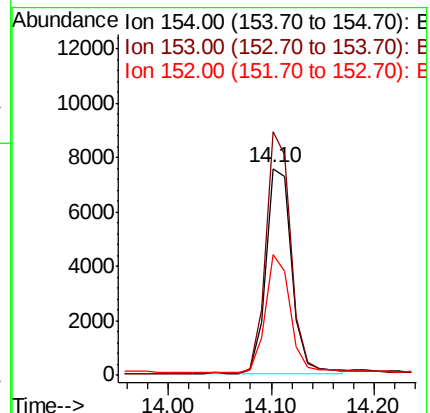
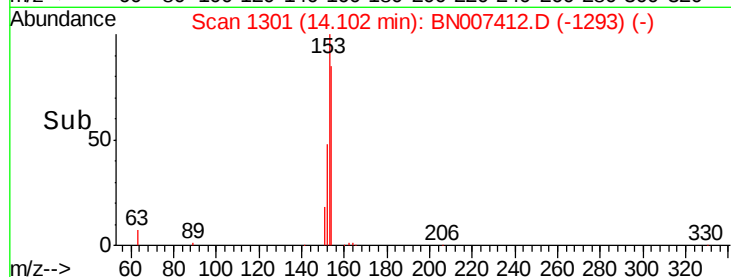
154 100

153 117.0 92.8 139.2

152 55.9 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: 0.383 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

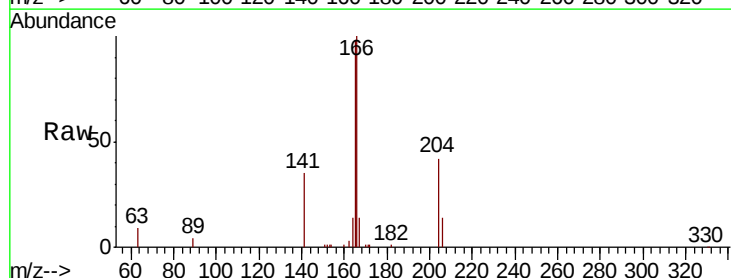
Tgt Ion:166 Resp: 17351

Ion Ratio Lower Upper

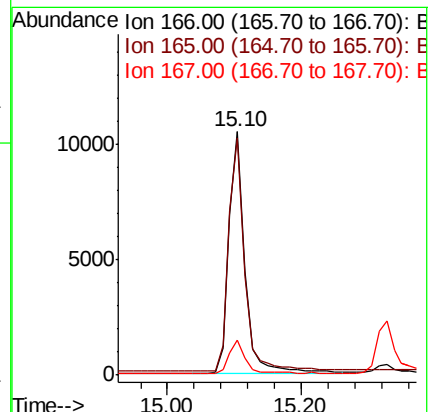
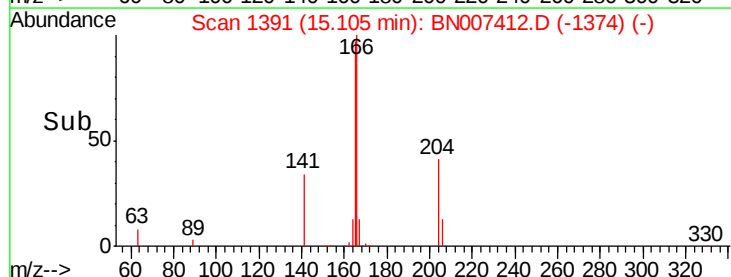
166 100

165 97.0 79.0 118.4

167 13.0 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

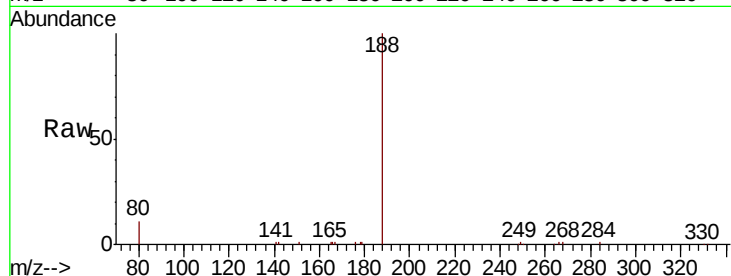
Tot Ion:188 Resp: 24927

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

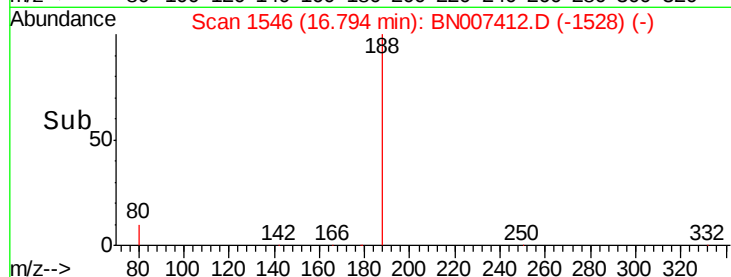
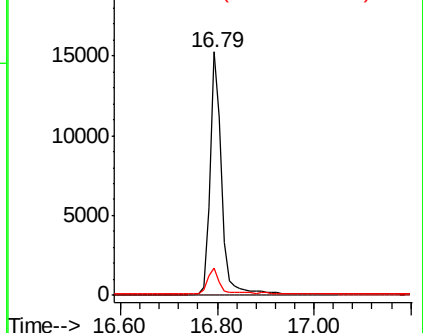
80 11.3 11.8 17.8#



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: 0.351 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

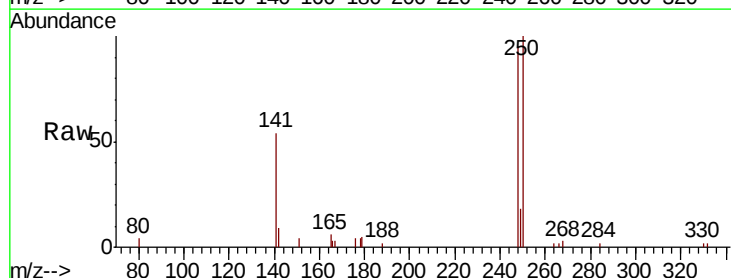
Tgt Ion:248 Resp: 3448

Ion Ratio Lower Upper

248 100

250 105.3 85.0 127.6

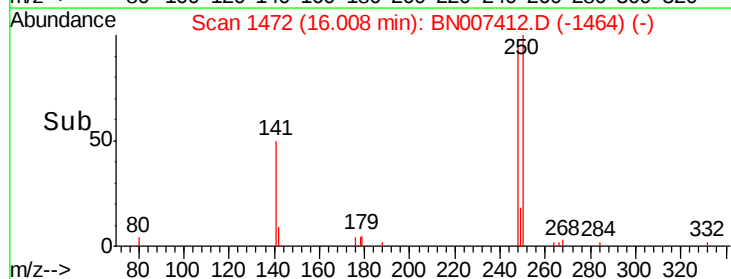
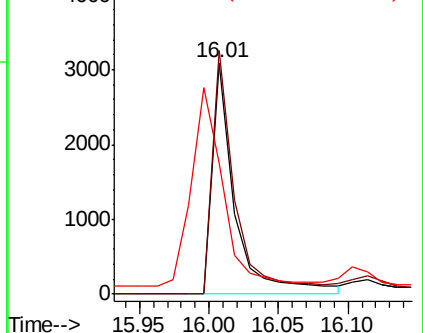
141 56.6 51.7 77.5



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: 0.397 ng

RT: 16.11 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

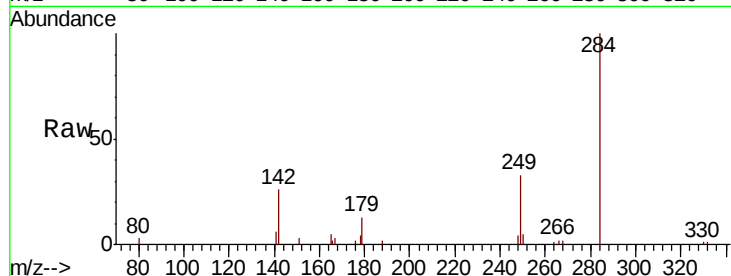
Tot Ion:284 Resp: 6633

Ion Ratio Lower Upper

284 100

142 32.2 29.0 43.6

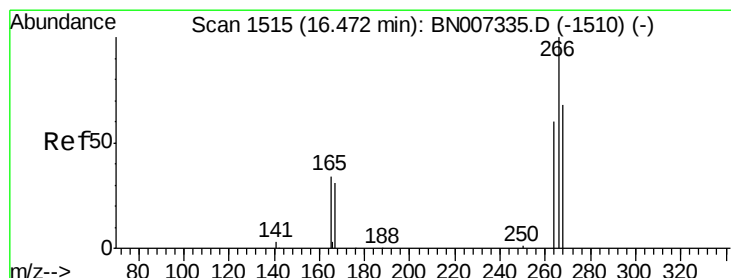
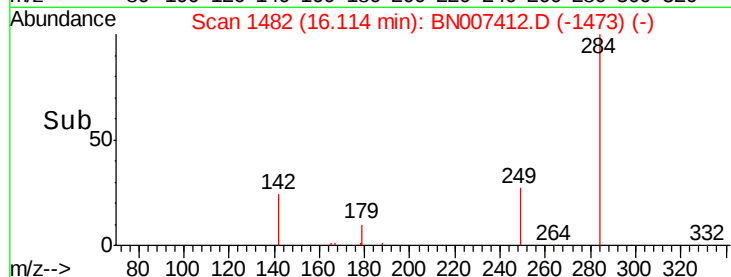
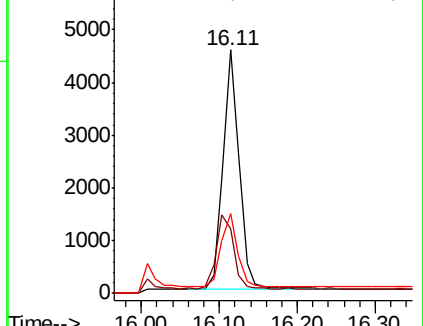
249 29.7 24.9 37.3



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: 0.443 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

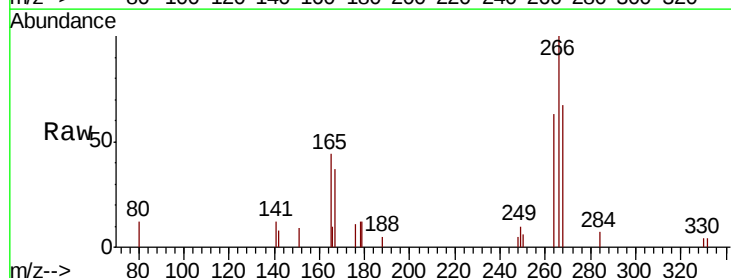
Tgt Ion:266 Resp: 2298

Ion Ratio Lower Upper

266 100

264 62.8 57.8 86.8

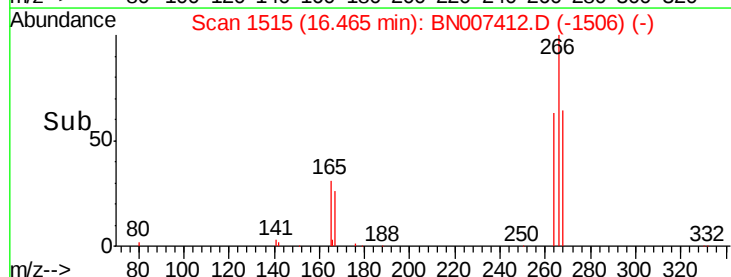
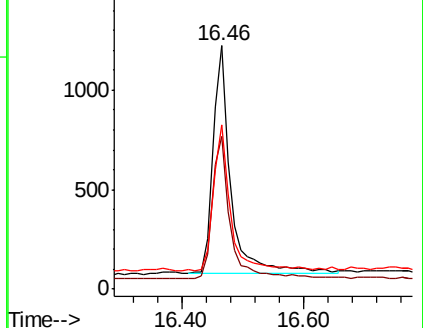
268 67.3 99.7 149.5#



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: 0.386 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

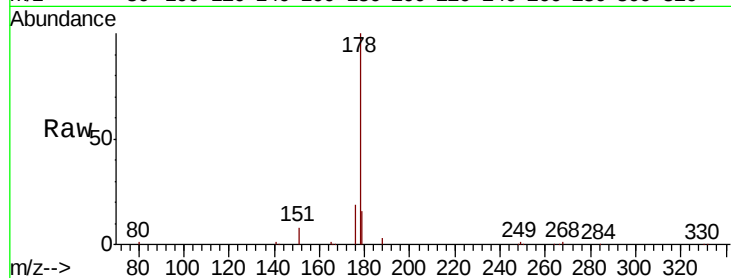
Tot Ion:178 Resp: 28963

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

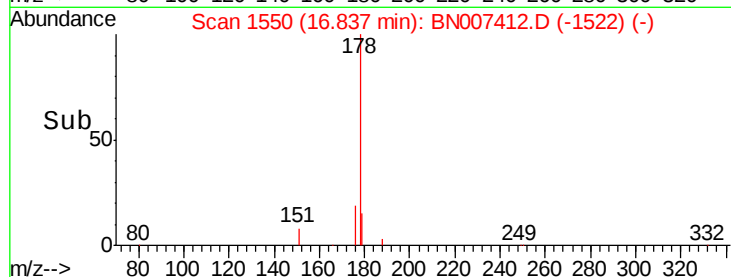
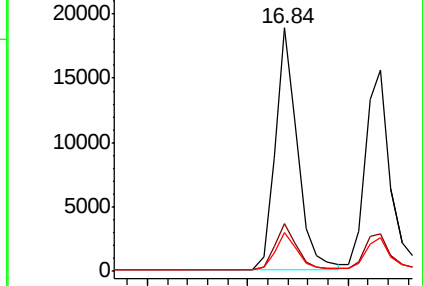
179 15.5 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.357 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

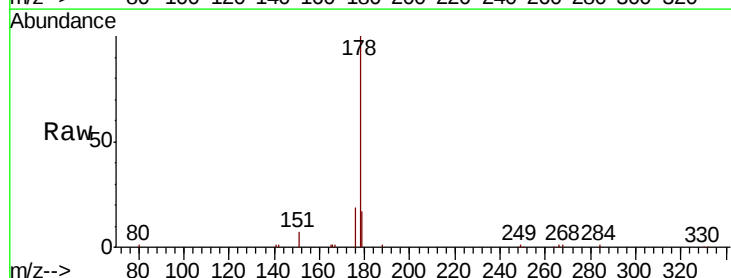
Tgt Ion:178 Resp: 26949

Ion Ratio Lower Upper

178 100

176 18.3 14.9 22.3

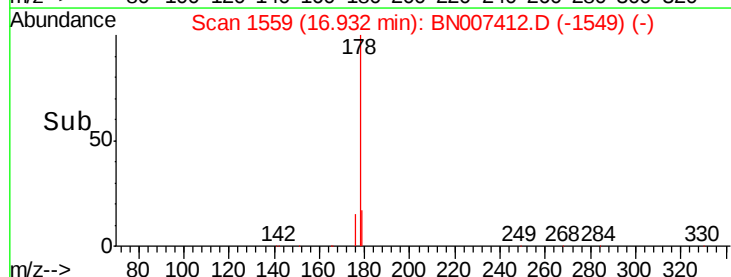
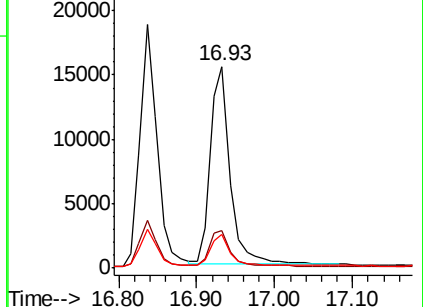
179 15.6 12.4 18.6



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: 0.380 ng

RT: 18.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

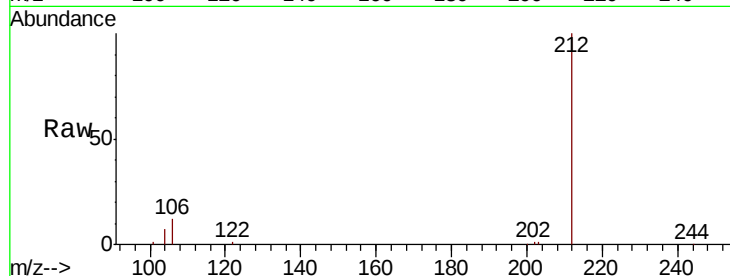
Tot Ion:212 Resp: 30535

Ion Ratio Lower Upper

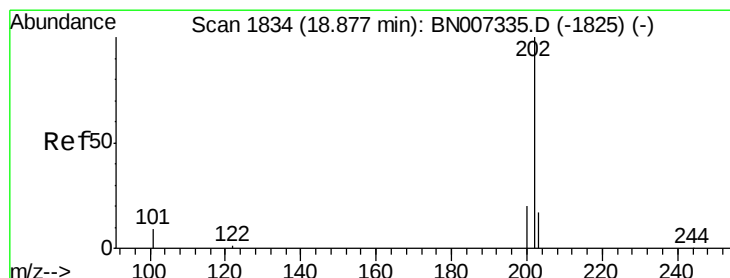
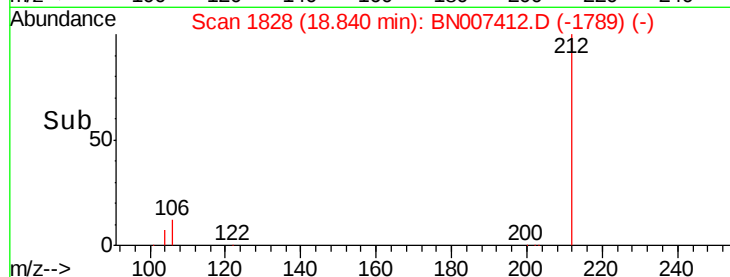
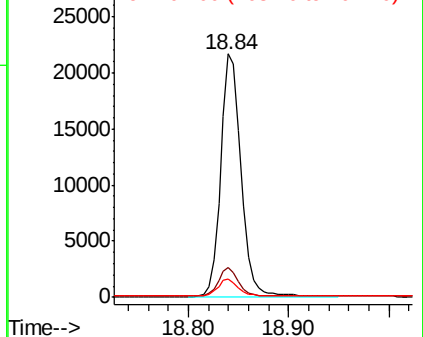
212 100

106 11.6 9.0 13.4

104 6.5 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: 0.396 ng

RT: 18.87 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

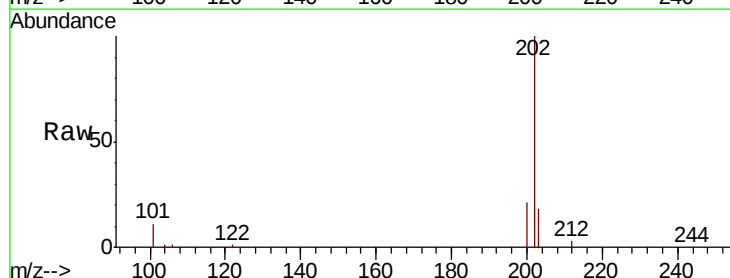
Tgt Ion:202 Resp: 38095

Ion Ratio Lower Upper

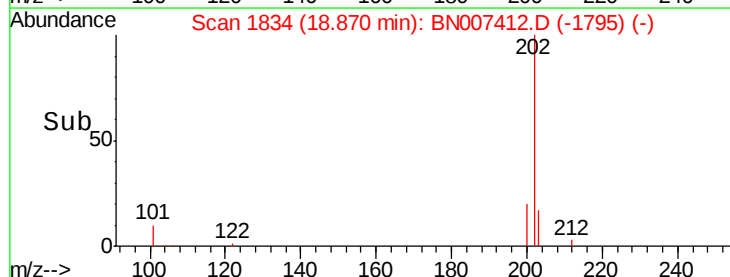
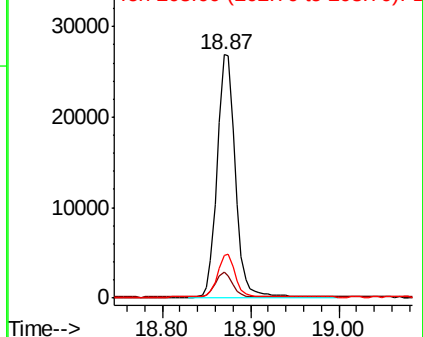
202 100

101 9.8 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: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

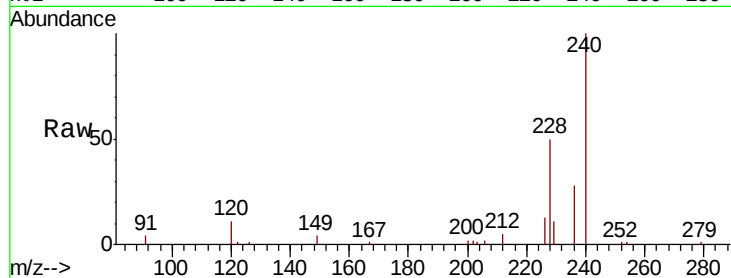
Tot Ion:240 Resp: 25647

Ion Ratio Lower Upper

240 100

120 10.5 9.6 14.4

236 27.6 22.2 33.2

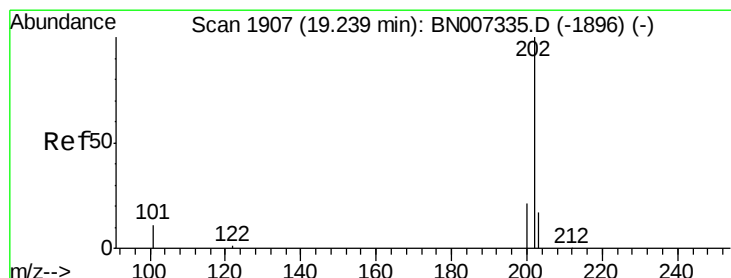
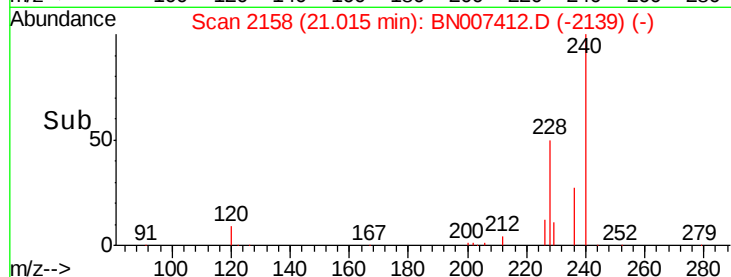
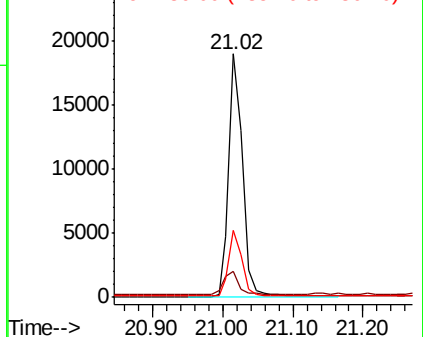


Abundance

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: 0.381 ng

RT: 19.24 min Scan# 1908

Delta R.T. -0.00 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

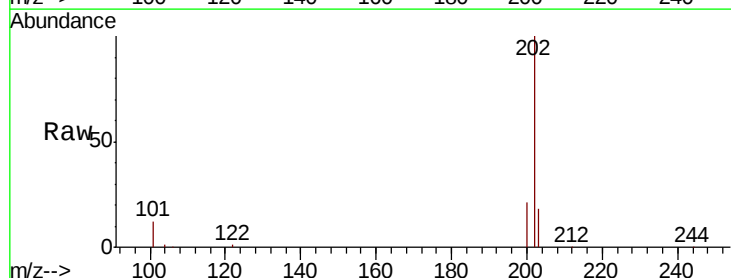
Tgt Ion:202 Resp: 39298

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

203 17.5 14.2 21.4

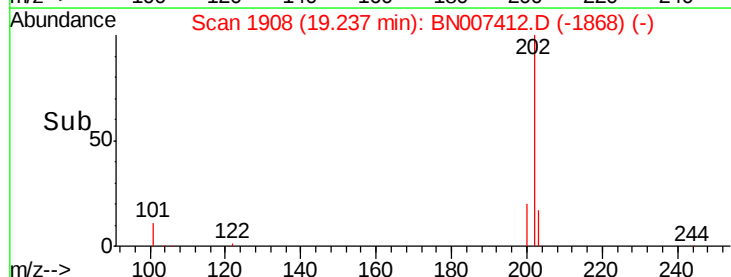
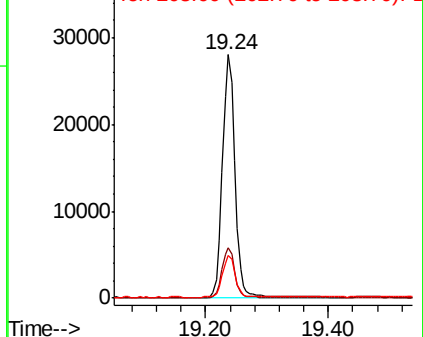


Abundance

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: 0.392 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

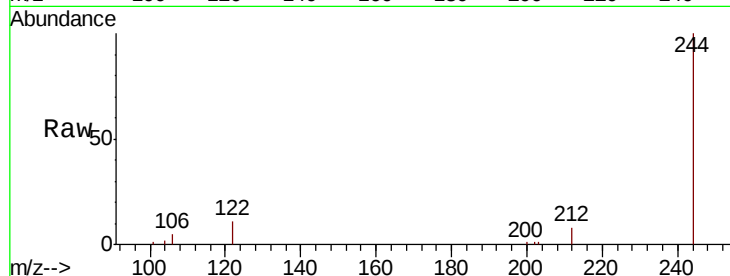
Tot Ion:244 Resp: 26315

Ion Ratio Lower Upper

244 100

212 7.9 7.0 10.6

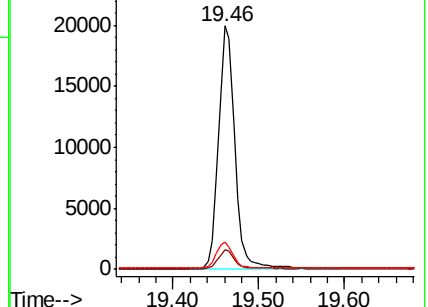
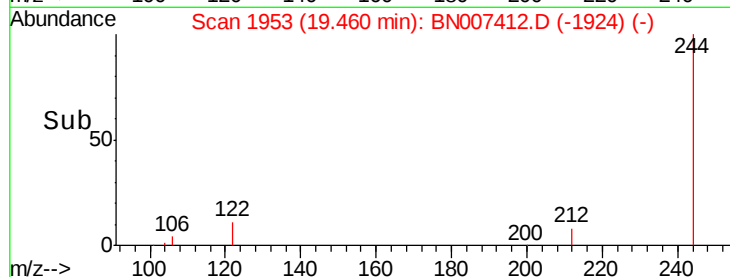
122 11.4 9.6 14.4



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: 0.375 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

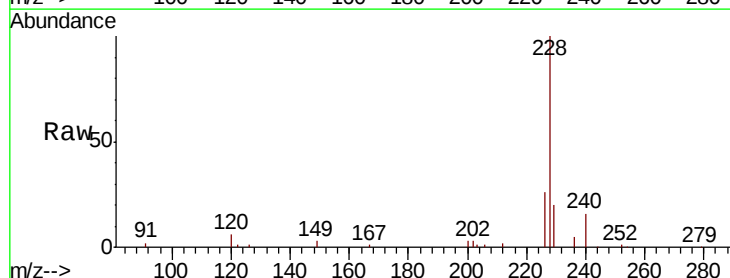
Tgt Ion:228 Resp: 37731

Ion Ratio Lower Upper

228 100

226 26.1 21.3 31.9

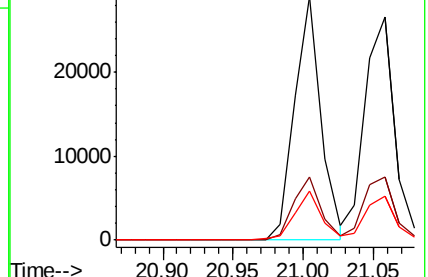
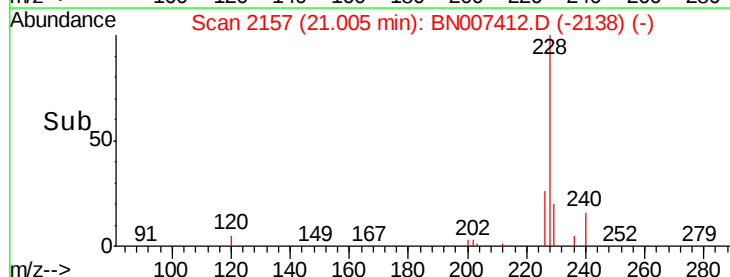
229 20.0 16.1 24.1



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: 0.394 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

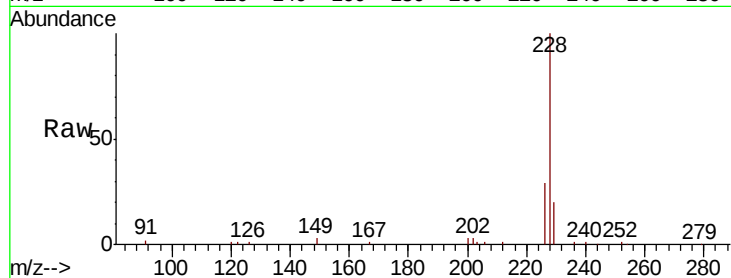
Tot Ion:228 Resp: 38277

Ion Ratio Lower Upper

228 100

226 28.5 23.5 35.3

229 19.9 16.6 24.8

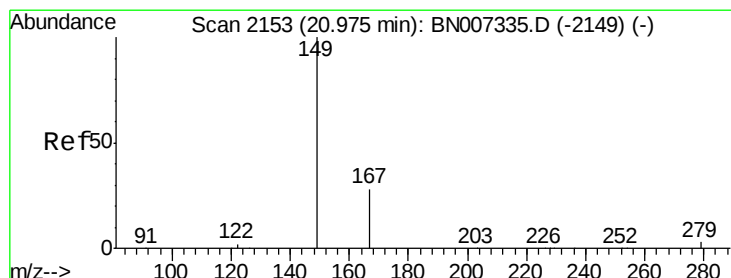
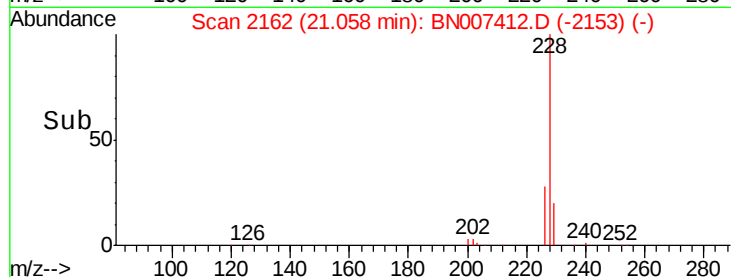
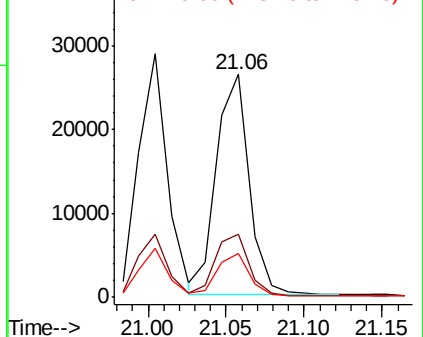


Abundance

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: 0.308 ng

RT: 20.97 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

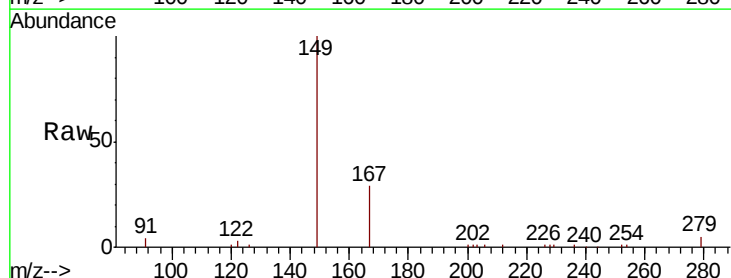
Tgt Ion:149 Resp: 21334

Ion Ratio Lower Upper

149 100

167 28.1 22.8 34.2

279 4.5 3.5 5.3

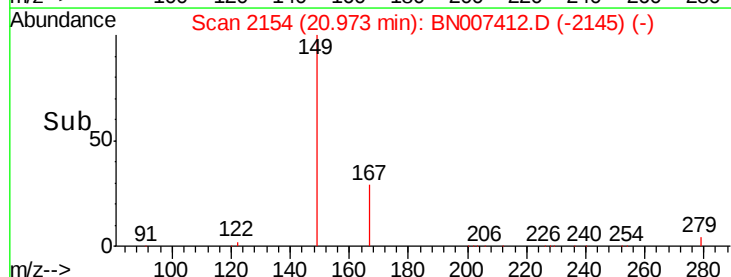
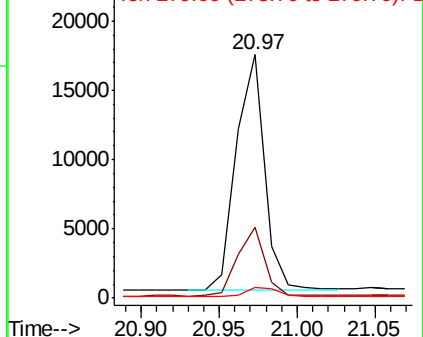


Abundance

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

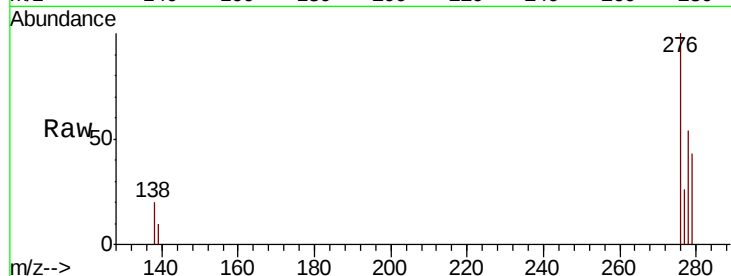




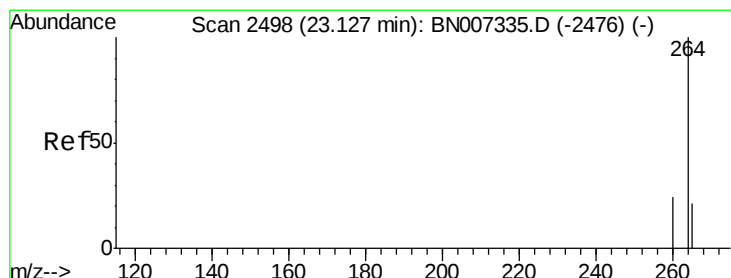
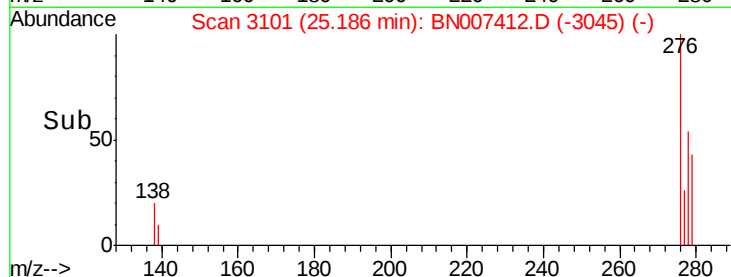
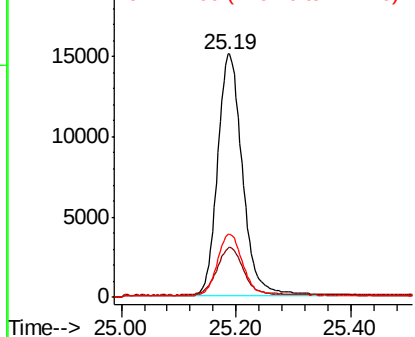
#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.391 ng  
 RT: 25.19 min Scan# 3101  
 Delta R.T. -0.01 min  
 Lab File: BN007412.D  
 Acq: 26 Aug 2019 16:37

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTCCCC0.4

Tot Ion:276 Resp: 45756  
 Ion Ratio Lower Upper  
 276 100  
 138 20.7 15.1 22.7  
 277 25.4 19.7 29.5

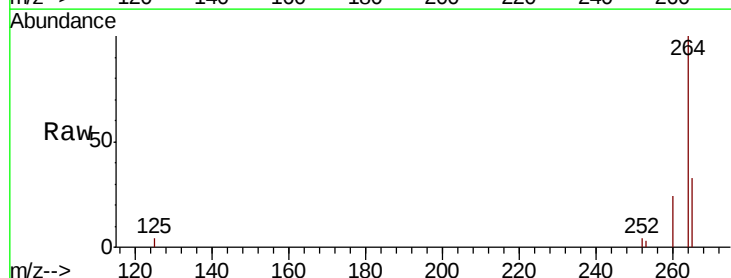


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

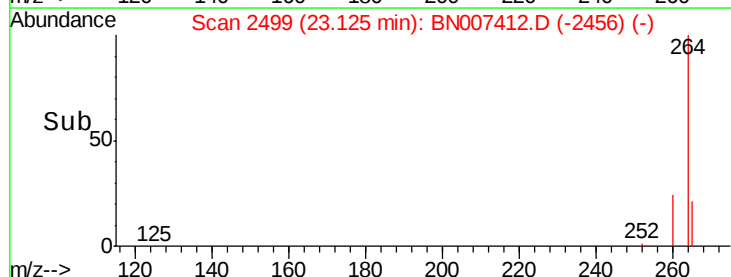
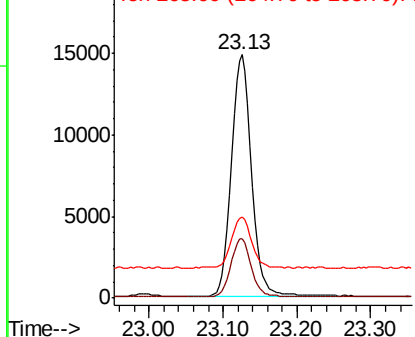


#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.13 min Scan# 2499  
 Delta R.T. -0.00 min  
 Lab File: BN007412.D  
 Acq: 26 Aug 2019 16:37

Tgt Ion:264 Resp: 27886  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.7 29.5  
 265 33.4 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

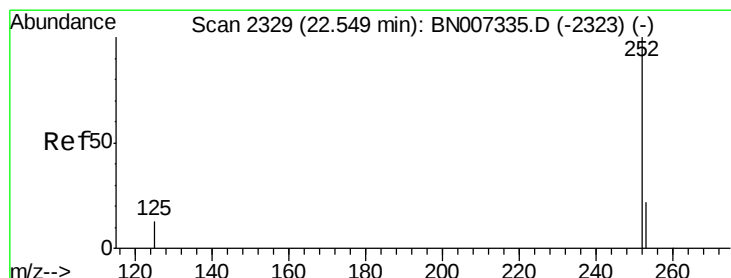
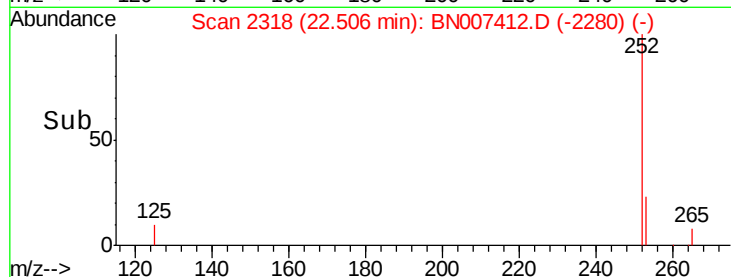
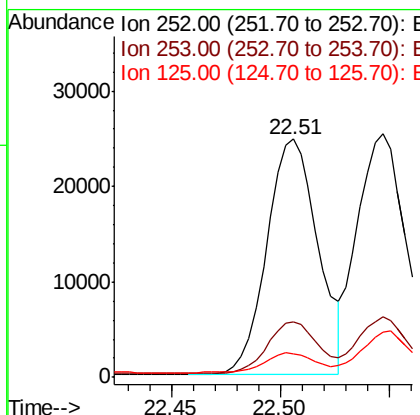
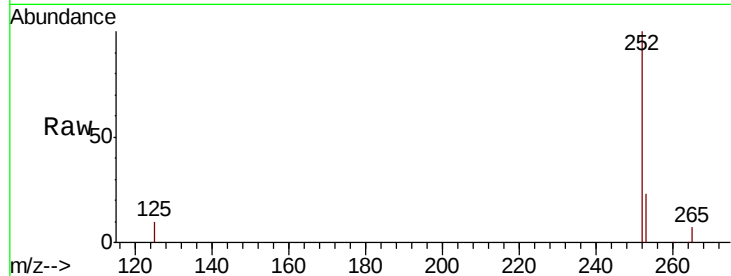




#35  
Benzo(b)fluoranthene  
Concen: 0.399 ng  
RT: 22.51 min Scan# 2318  
Delta R.T. -0.00 min  
Lab File: BN007412.D  
Acq: 26 Aug 2019 16:37

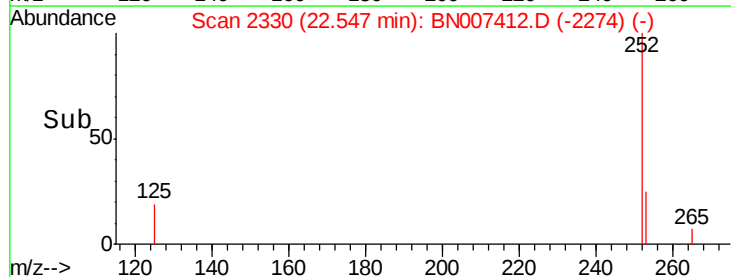
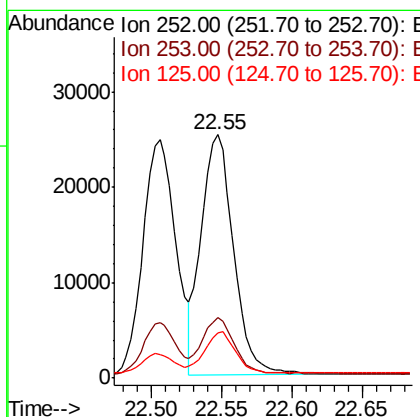
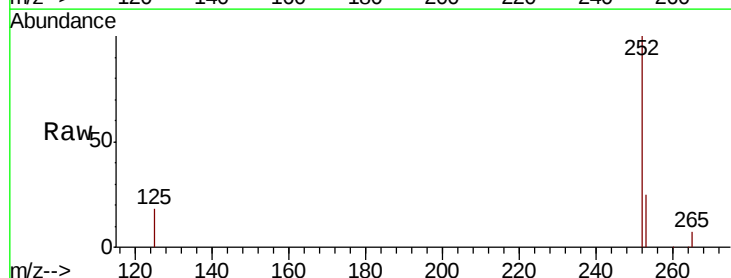
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Tot Ion:252 Resp: 40331  
Ion Ratio Lower Upper  
252 100  
253 23.2 19.2 28.8  
125 10.0 10.6 16.0#



#36  
Benzo(k)fluoranthene  
Concen: 0.404 ng  
RT: 22.55 min Scan# 2330  
Delta R.T. -0.00 min  
Lab File: BN007412.D  
Acq: 26 Aug 2019 16:37

Tgt Ion:252 Resp: 40360  
Ion Ratio Lower Upper  
252 100  
253 24.7 19.4 29.2  
125 18.5 13.1 19.7





#37

Benzo(a)pyrene

Concen: 0.384 ng

RT: 23.03 min Scan# 2472

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

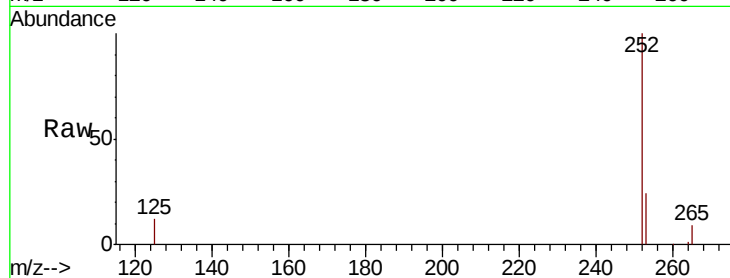
Tot Ion:252 Resp: 36894

Ion Ratio Lower Upper

252 100

253 23.8 19.5 29.3

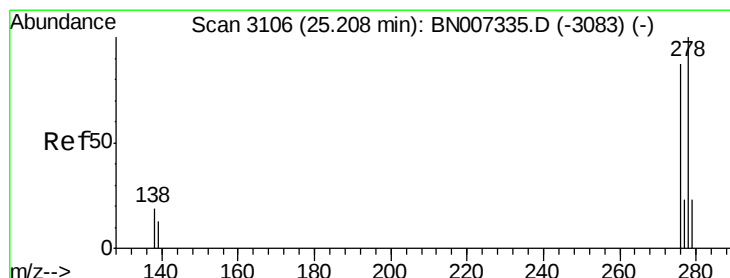
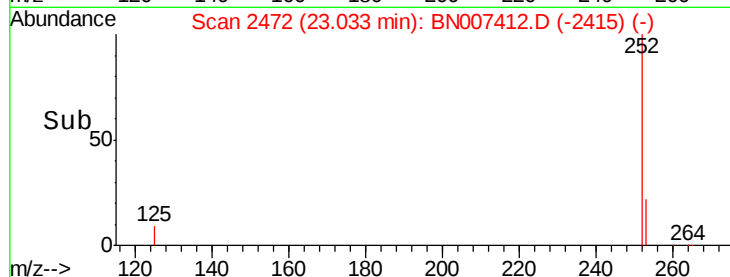
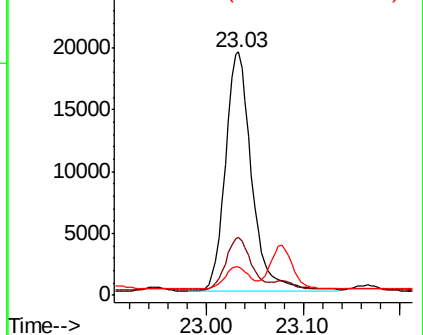
125 11.7 12.1 18.1#



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: 0.380 ng

RT: 25.20 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

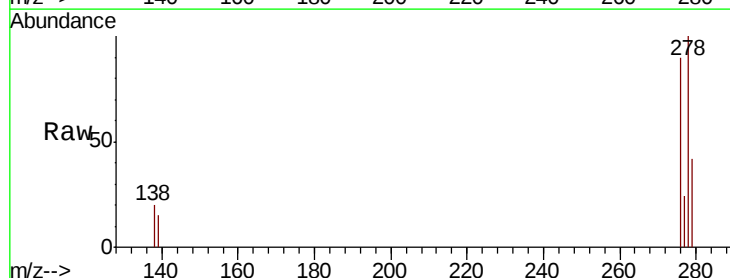
Tgt Ion:278 Resp: 36481

Ion Ratio Lower Upper

278 100

139 14.8 13.7 20.5

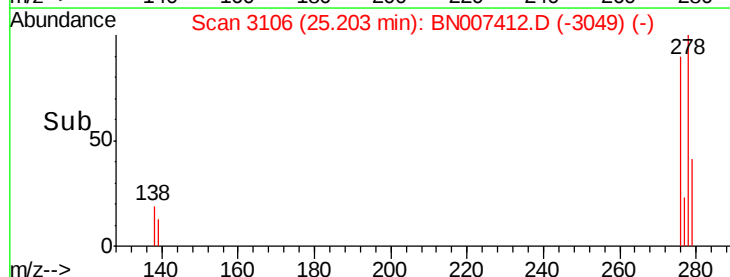
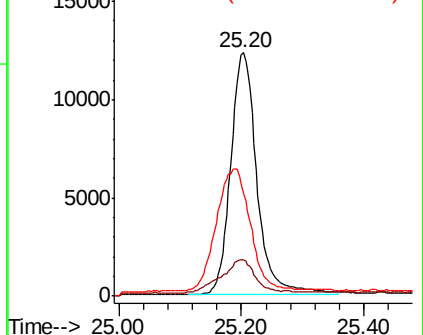
279 42.4 20.2 30.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.389 ng

RT: 25.81 min Scan# 3284

Delta R.T. -0.01 min

Lab File: BN007412.D

Acq: 26 Aug 2019 16:37

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

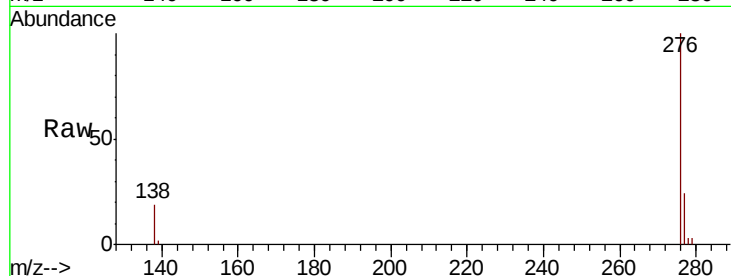
Tot Ion:276 Resp: 37174

Ion Ratio Lower Upper

276 100

277 24.0 19.6 29.4

138 18.7 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

