

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN032419\  
 Data File : BN004948.D  
 Acq On : 24 Mar 2019 20:32  
 Operator : JU/SJ  
 Sample : K2014-03  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-026-SW037-031819

Quant Time: Mar 25 02:58:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN032019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 20 16:06:20 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 3251     | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.47 | 136  | 13076    | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.32 | 164  | 6715     | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 17.08 | 188  | 14408    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.28 | 240  | 16939    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.53 | 264  | 17814    | 0.40 | ng    | -0.02    |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.28  | 112 | 4057  | 0.46 | ng | 0.00  |
| 5) Phenol-d6                | 6.86  | 99  | 5083  | 0.46 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.84  | 82  | 3984  | 0.46 | ng | -0.03 |
| 11) 2-Methylnaphthalene-d10 | 12.06 | 152 | 7343  | 0.32 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol    | 15.83 | 330 | 1827  | 0.39 | ng | -0.02 |
| 15) 2-Fluorobiphenyl        | 12.94 | 172 | 10189 | 0.37 | ng | -0.02 |
| 25) Fluoranthene-d10        | 19.12 | 212 | 12747 | 0.26 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.71 | 244 | 9385  | 0.27 | ng | -0.01 |

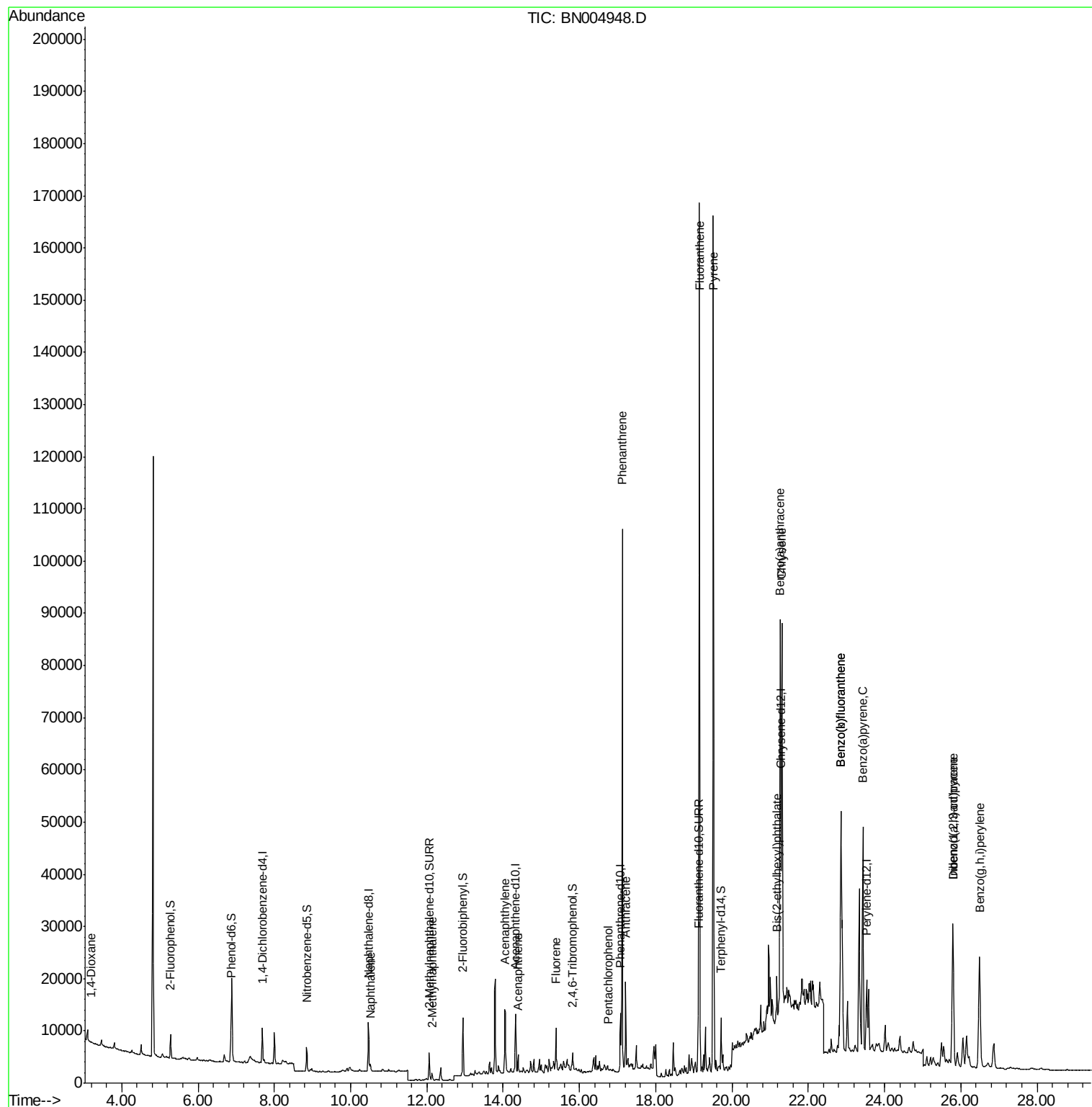
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.21  | 88  | 138    | 0.037  | ng | # 27 |
| 9) Naphthalene                 | 10.52 | 128 | 1477   | 0.040  | ng | # 85 |
| 12) 2-Methylnaphthalene        | 12.14 | 142 | 1057   | 0.039  | ng | # 90 |
| 16) Acenaphthylene             | 14.04 | 152 | 16683  | 0.482  | ng | 99   |
| 17) Acenaphthene               | 14.39 | 154 | 1772   | 0.078  | ng | # 92 |
| 18) Fluorene                   | 15.38 | 166 | 5789   | 0.183  | ng | # 93 |
| 22) Pentachlorophenol          | 16.75 | 266 | 48     | 0.023  | ng | # 68 |
| 23) Phenanthrene               | 17.12 | 178 | 105417 | 2.266  | ng | 99   |
| 24) Anthracene                 | 17.21 | 178 | 19988  | 0.481  | ng | 99   |
| 26) Fluoranthene               | 19.15 | 202 | 142770 | 2.388  | ng | 98   |
| 28) Pyrene                     | 19.51 | 202 | 148246 | 2.870  | ng | 97   |
| 30) Benzo(a)anthracene         | 21.26 | 228 | 73510  | 1.323  | ng | 94   |
| 31) Chrysene                   | 21.31 | 228 | 65011  | 1.111  | ng | 95   |
| 32) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 8133   | 0.366  | ng | 97   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.79 | 276 | 42392  | 0.501  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 22.85 | 252 | 79781  | 1.238  | ng | # 91 |
| 36) Benzo(k)fluoranthene       | 22.85 | 252 | 79781  | 1.258  | ng | # 91 |
| 37) Benzo(a)pyrene             | 23.43 | 252 | 60084  | 1.016  | ng | # 95 |
| 38) Dibenzo(a,h)anthracene     | 25.80 | 278 | 11870  | 0.173  | ng | # 61 |
| 39) Benzo(g,h,i)perylene       | 26.49 | 276 | 44892  | 0.644  | ng | # 94 |

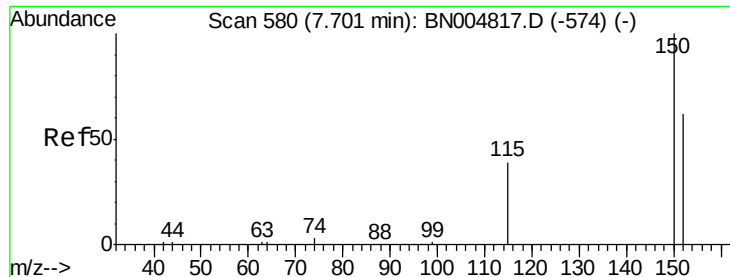
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN032419\  
Data File : BN004948.D  
Acq On : 24 Mar 2019 20:32  
Operator : JU/SJ  
Sample : K2014-03  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PST-026-SW037-031819

Quant Time: Mar 25 02:58:11 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN032019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 20 16:06:20 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.68 min Scan# 578

Delta R.T. -0.02 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Instrument :

BNA\_N

ClientSampleId :

PST-026-SW037-031819

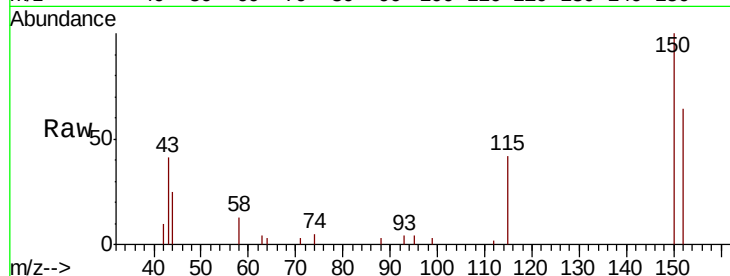
Tgt Ion:152 Resp: 3251

Ion Ratio Lower Upper

152 100

150 155.7 126.2 189.4

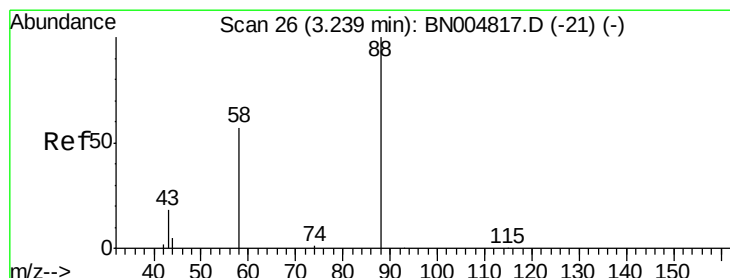
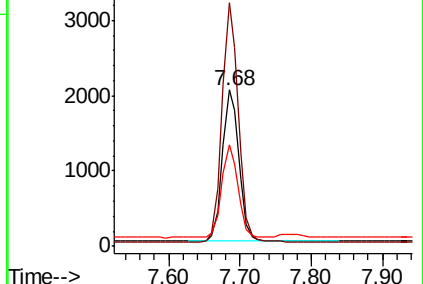
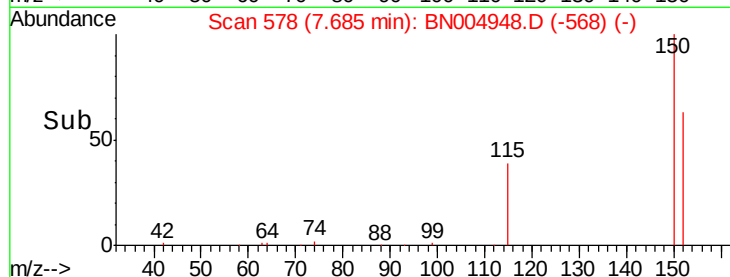
115 65.2 52.6 79.0



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: 0.037 ng

RT: 3.21 min Scan# 22

Delta R.T. -0.03 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

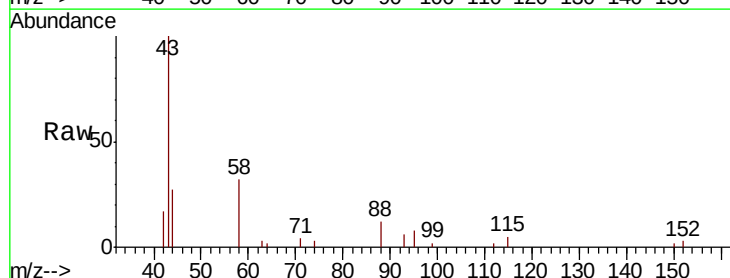
Tgt Ion: 88 Resp: 138

Ion Ratio Lower Upper

88 100

58 0.0 51.4 77.2#

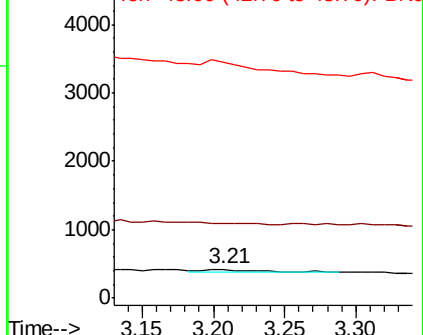
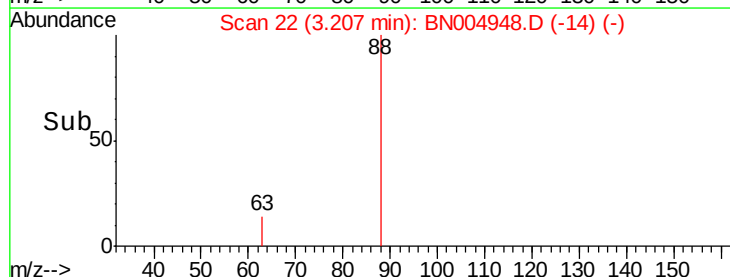
43 0.0 20.0 30.0#

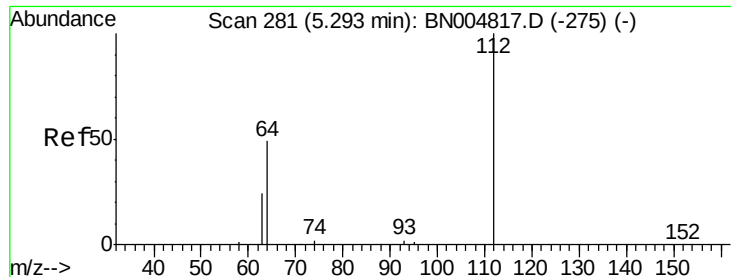


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.459 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Instrument :

BNA\_N

ClientSampleId :

PST-026-SW037-031819

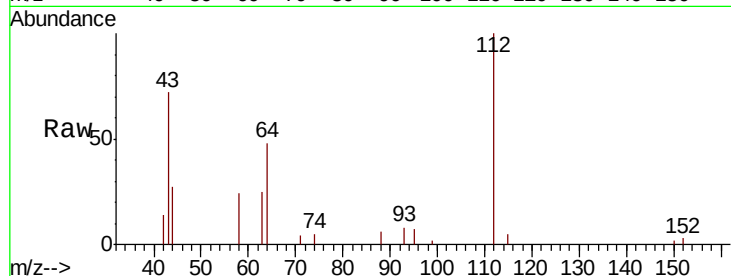
Tgt Ion: 112 Resp: 4057

Ion Ratio Lower Upper

112 100

64 52.6 40.0 60.0

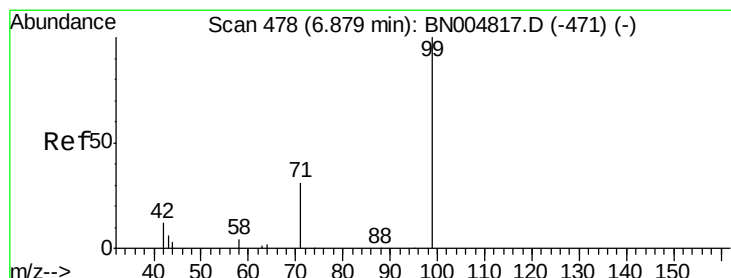
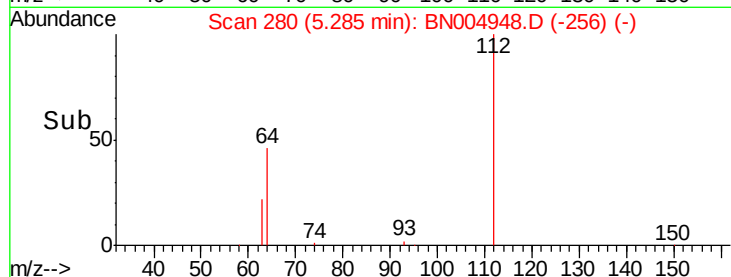
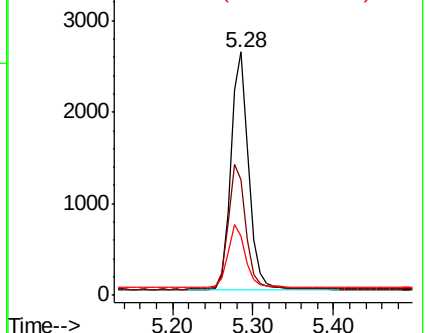
63 26.2 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.462 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

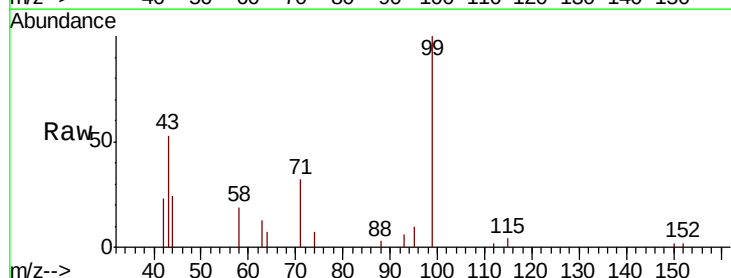
Tgt Ion: 99 Resp: 5083

Ion Ratio Lower Upper

99 100

42 32.5 12.7 19.1#

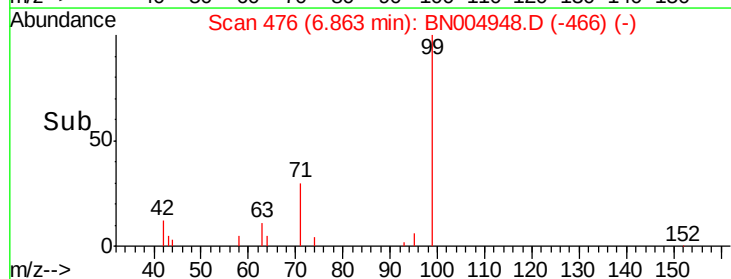
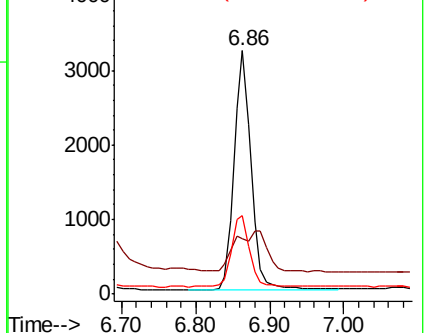
71 31.7 26.6 40.0

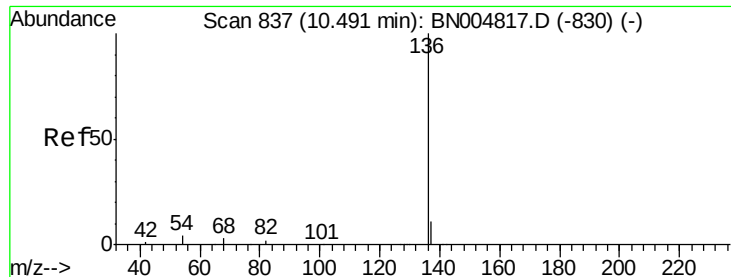


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. -0.03 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Instrument :

BNA\_N

ClientSampleId :

PST-026-SW037-031819

Tgt Ion:136 Resp: 13076

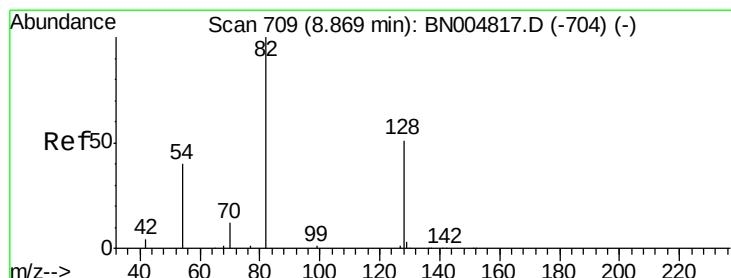
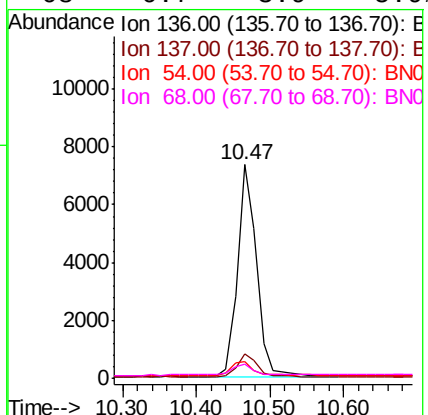
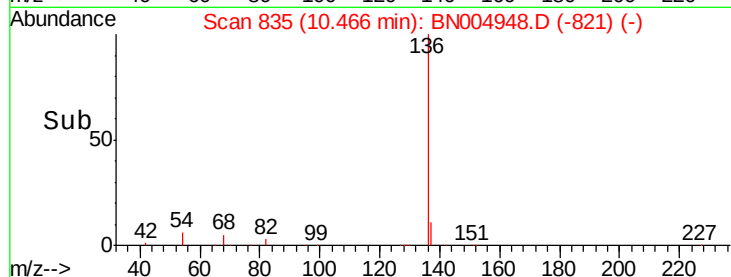
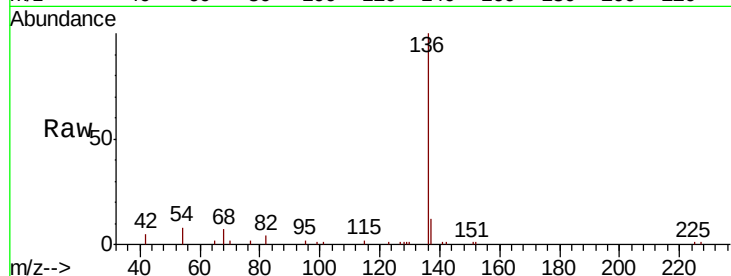
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 7.6 4.2 6.2#

68 6.7 3.9 5.9#



#8

Nitrobenzene-d5

Concen: 0.461 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

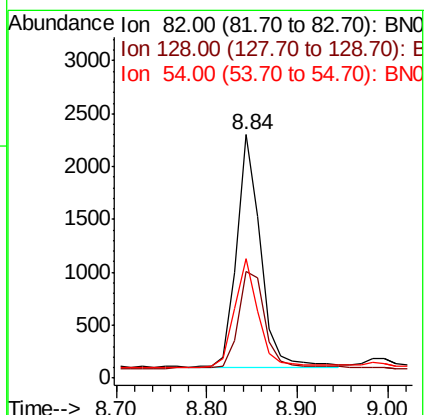
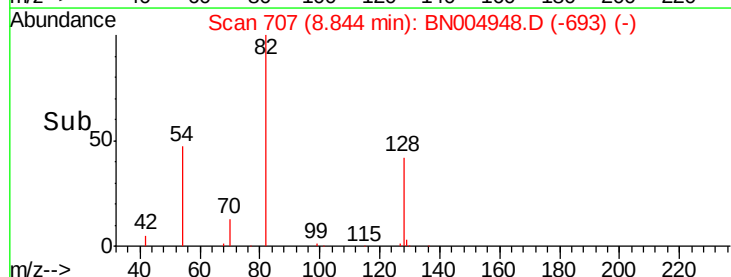
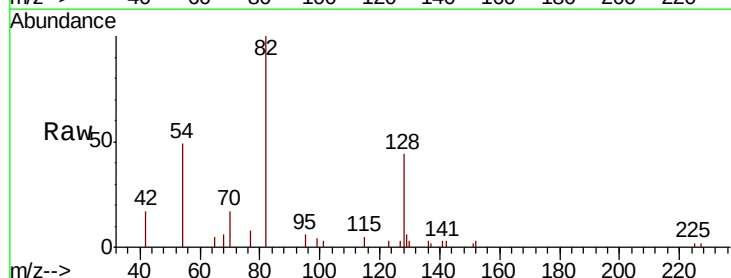
Tgt Ion: 82 Resp: 3984

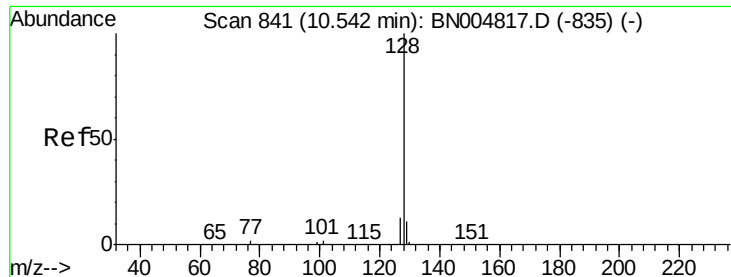
Ion Ratio Lower Upper

82 100

128 43.9 43.0 64.6

54 49.2 35.3 52.9





#9

Naphthalene

Concen: 0.040 ng

RT: 10.52 min Scan# 839

Delta R.T. -0.03 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Instrument :

BNA\_N

ClientSampleId :

PST-026-SW037-031819

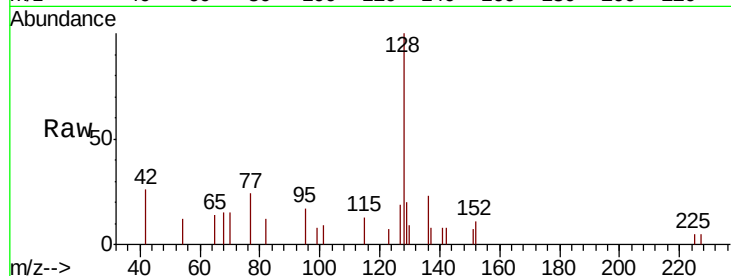
Tgt Ion:128 Resp: 1477

Ion Ratio Lower Upper

128 100

129 19.9 9.9 14.9#

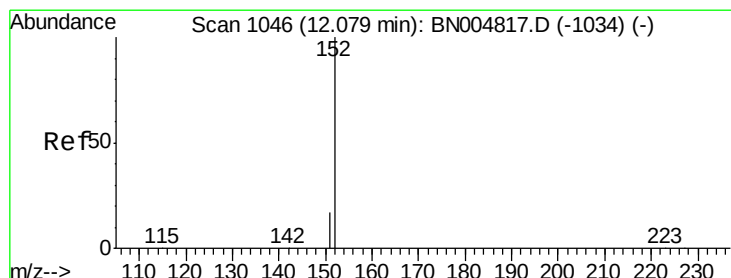
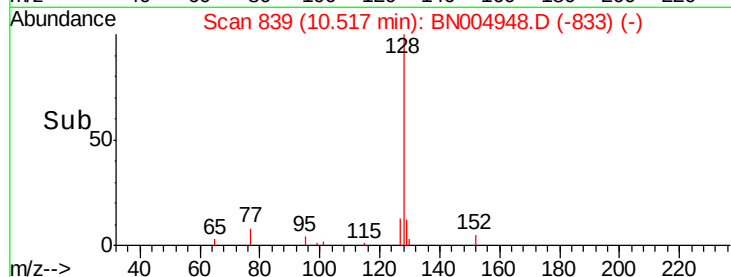
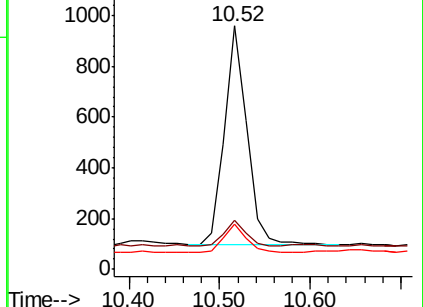
127 18.6 11.3 16.9#



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



#11

2-Methylnaphthalene-d10

Concen: 0.322 ng

RT: 12.06 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BN004948.D

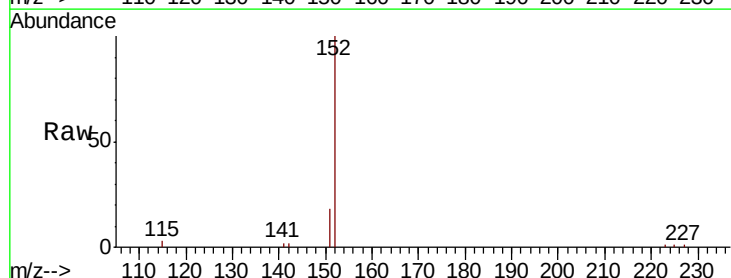
Acq: 24 Mar 2019 20:32

Tgt Ion:152 Resp: 7343

Ion Ratio Lower Upper

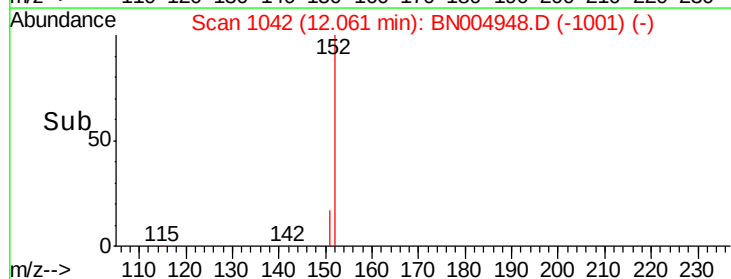
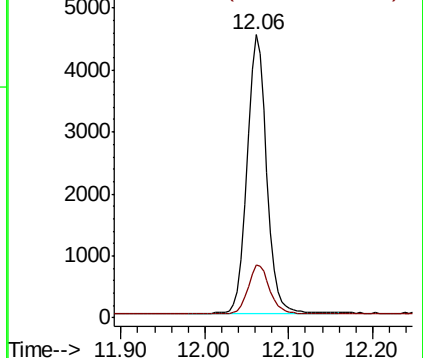
152 100

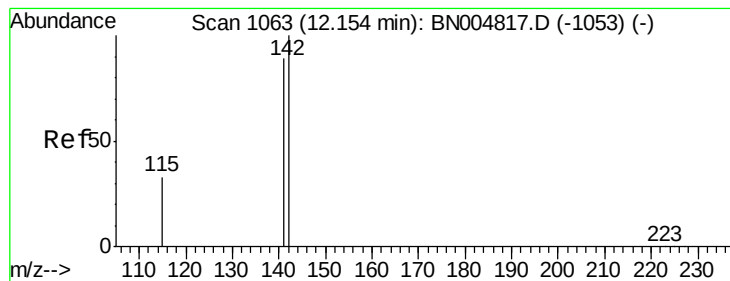
151 19.6 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.039 ng

RT: 12.14 min Scan# 1059

Delta R.T. -0.02 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Instrument :

BNA\_N

ClientSampleId :

PST-026-SW037-031819

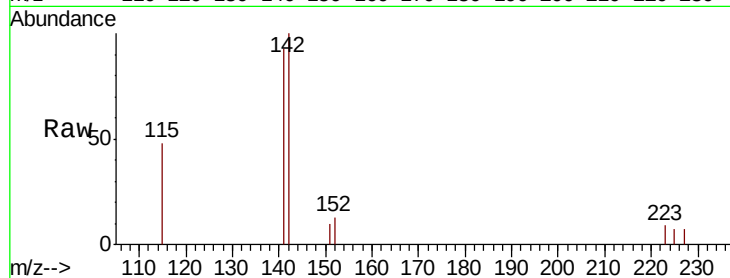
Tgt Ion:142 Resp: 1057

Ion Ratio Lower Upper

142 100

141 93.5 71.4 107.2

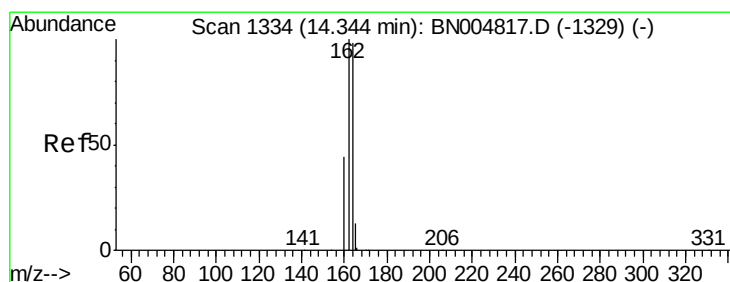
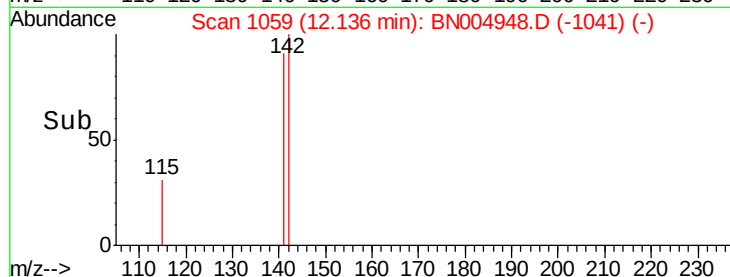
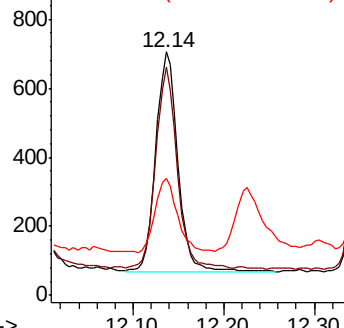
115 47.9 27.5 41.3#



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



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

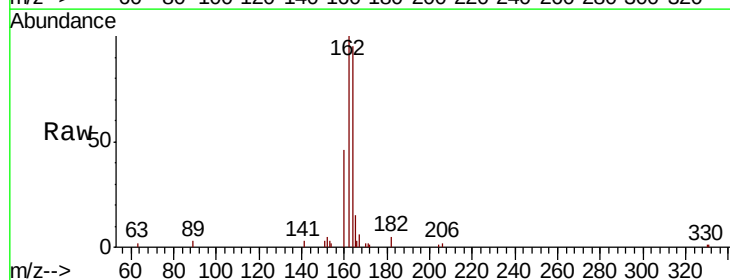
Tgt Ion:164 Resp: 6715

Ion Ratio Lower Upper

164 100

162 105.5 81.9 122.9

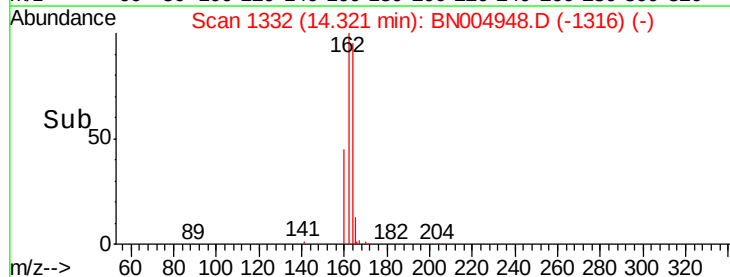
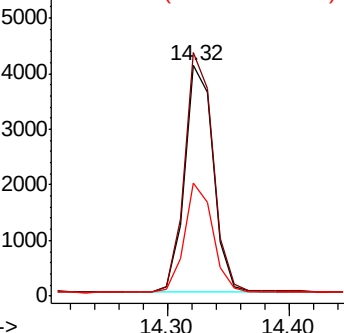
160 48.8 36.6 54.8

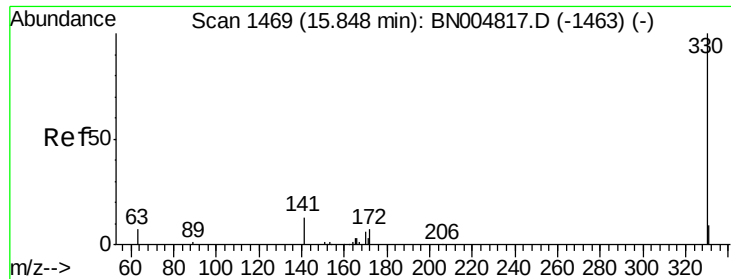


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

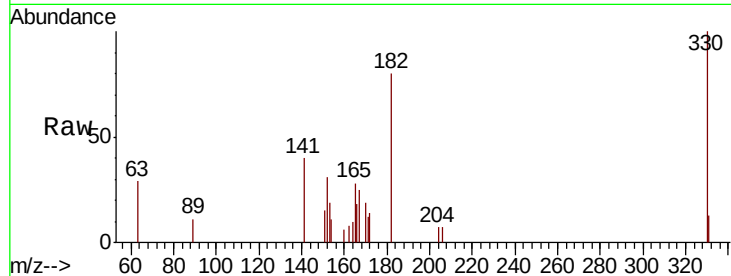




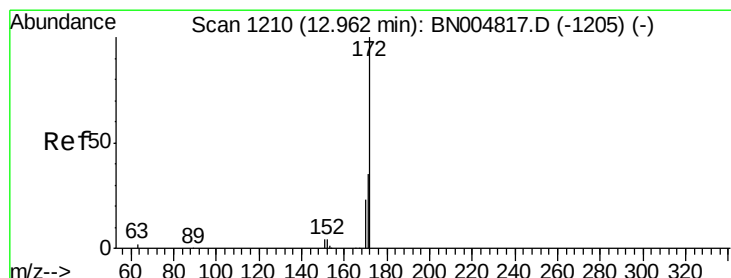
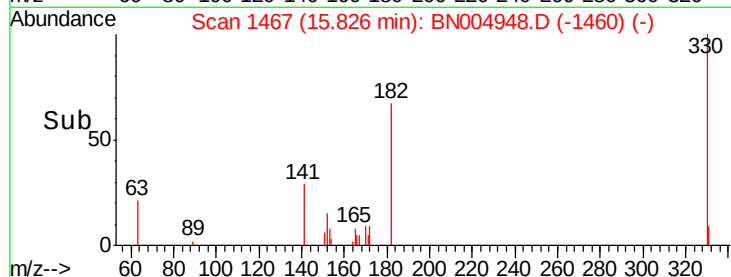
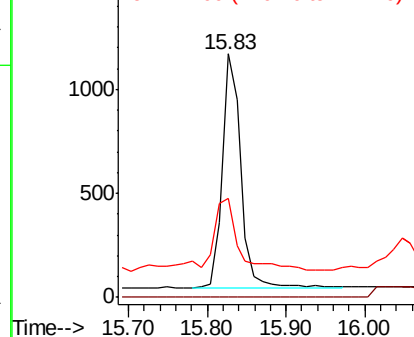
#14  
 2,4,6-Tribromophenol  
 Concen: 0.394 ng  
 RT: 15.83 min Scan# 1467  
 Delta R.T. -0.02 min  
 Lab File: BN004948.D  
 Acq: 24 Mar 2019 20:32

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-026-SW037-031819

Tgt Ion: 330 Resp: 1827  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 40.9 20.9 31.3#

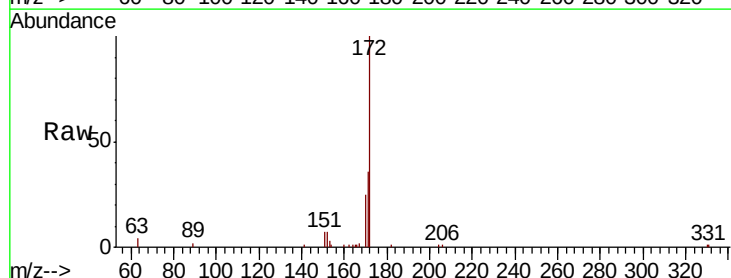


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

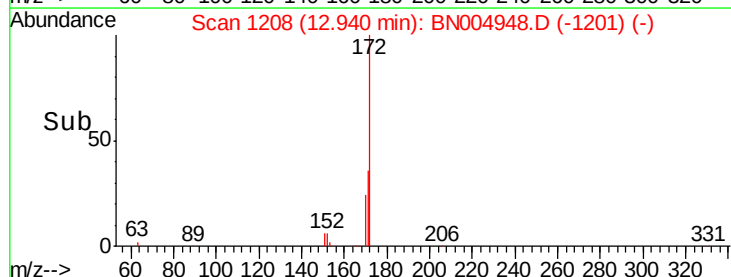
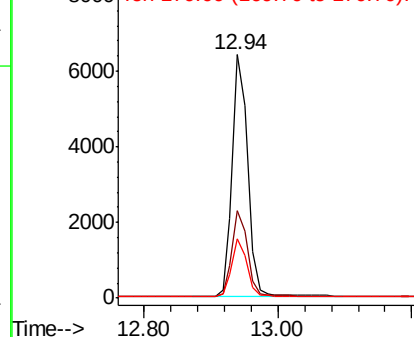


#15  
 2-Fluorobiphenyl  
 Concen: 0.367 ng  
 RT: 12.94 min Scan# 1208  
 Delta R.T. -0.02 min  
 Lab File: BN004948.D  
 Acq: 24 Mar 2019 20:32

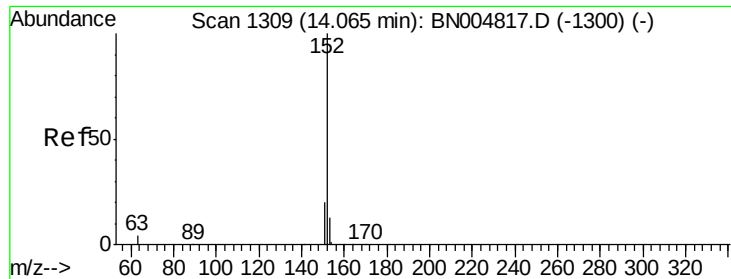
Tgt Ion: 172 Resp: 10189  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 28.7 43.1  
 170 24.5 18.7 28.1



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: 0.482 ng

RT: 14.04 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Instrument :

BNA\_N

ClientSampleId :

PST-026-SW037-031819

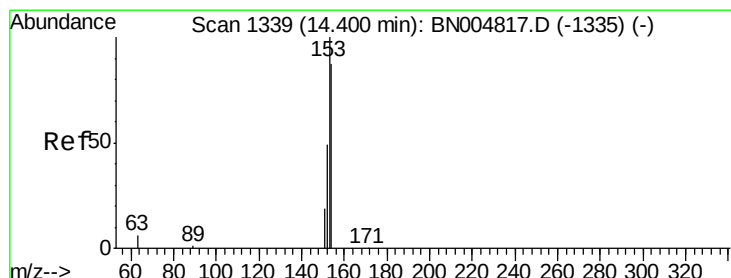
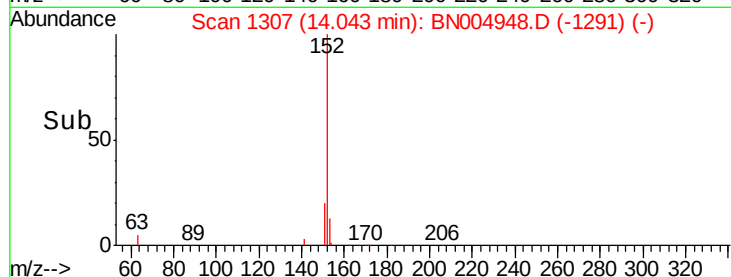
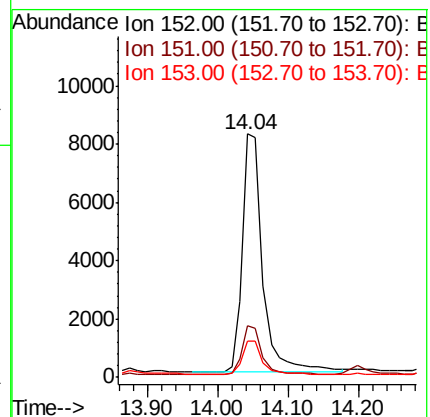
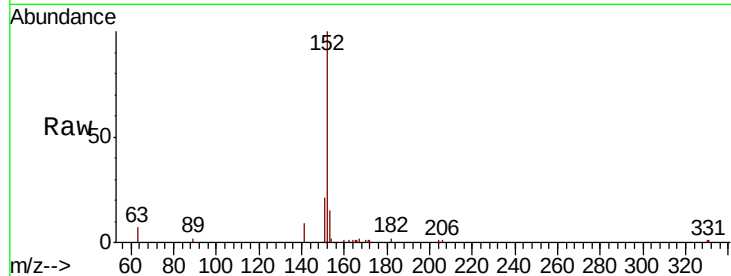
Tgt Ion:152 Resp: 16683

Ion Ratio Lower Upper

152 100

151 20.3 16.1 24.1

153 14.2 10.5 15.7



#17

Acenaphthene

Concen: 0.078 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

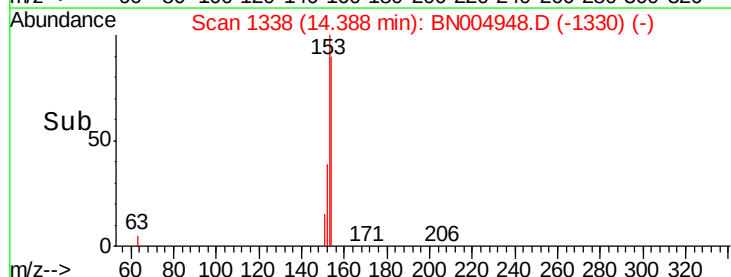
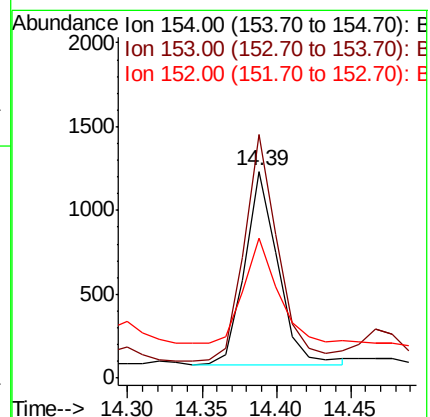
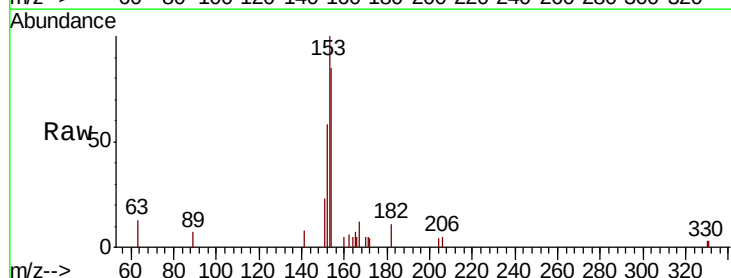
Tgt Ion:154 Resp: 1772

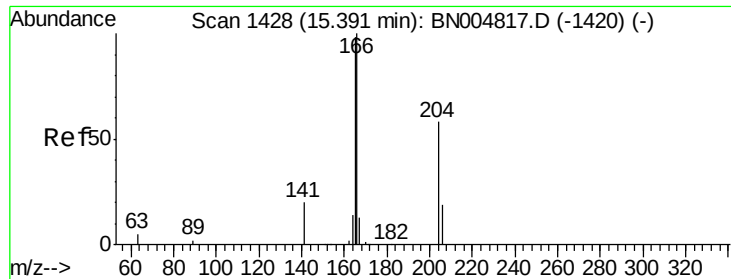
Ion Ratio Lower Upper

154 100

153 118.9 91.4 137.2

152 67.4 44.2 66.2#

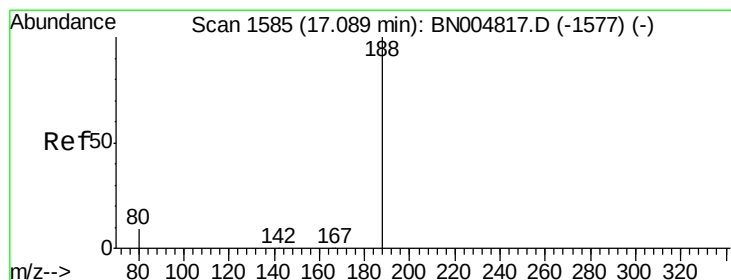
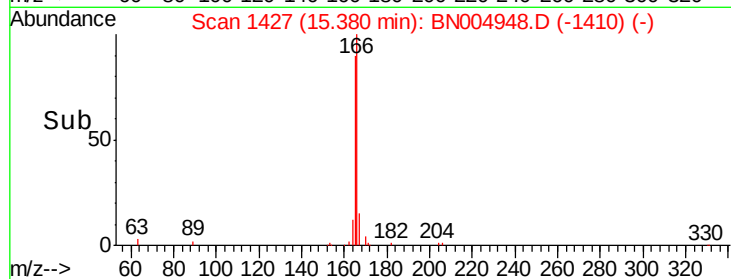
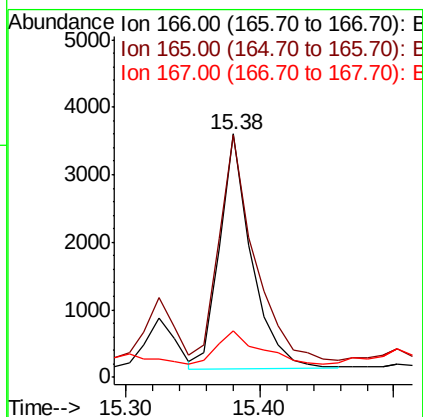
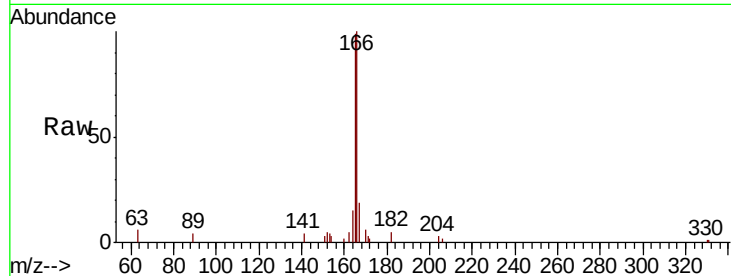




#18  
 Fluorene  
 Concen: 0.183 ng  
 RT: 15.38 min Scan# 1427  
 Delta R.T. -0.01 min  
 Lab File: BN004948.D  
 Acq: 24 Mar 2019 20:32

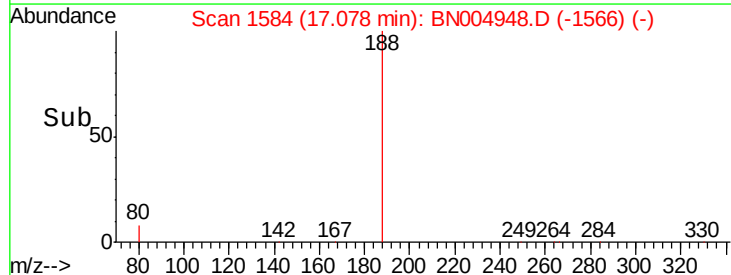
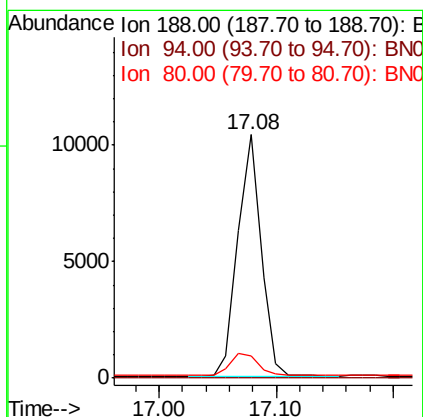
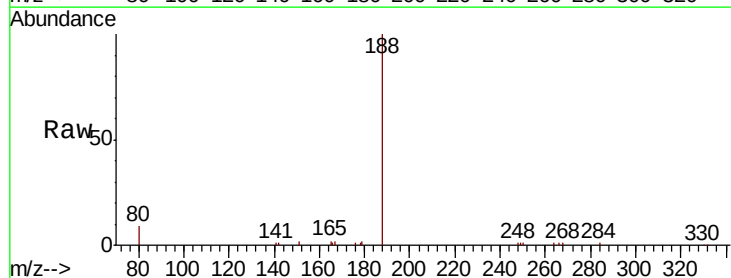
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-026-SW037-031819

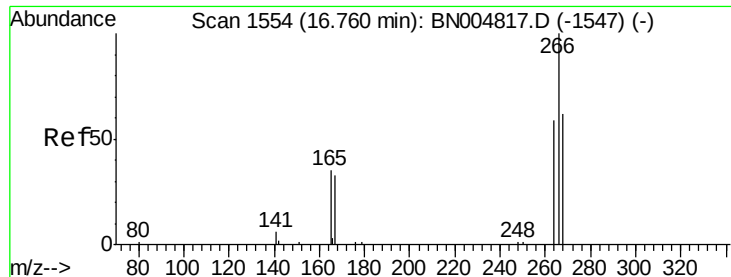
Tgt Ion:166 Resp: 5789  
 Ion Ratio Lower Upper  
 166 100  
 165 103.9 78.2 117.4  
 167 18.2 11.0 16.4#



#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.08 min Scan# 1584  
 Delta R.T. -0.01 min  
 Lab File: BN004948.D  
 Acq: 24 Mar 2019 20:32

Tgt Ion:188 Resp: 14408  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 8.9 7.4 11.2





#22

Pentachlorophenol

Concen: 0.023 ng

RT: 16.75 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Instrument :

BNA\_N

ClientSampleId :

PST-026-SW037-031819

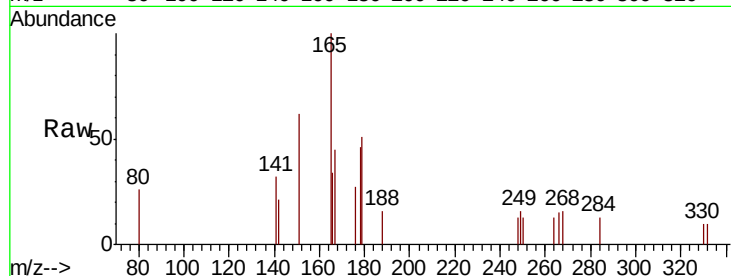
Tgt Ion:266 Resp: 48

Ion Ratio Lower Upper

266 100

264 84.0 53.1 79.7#

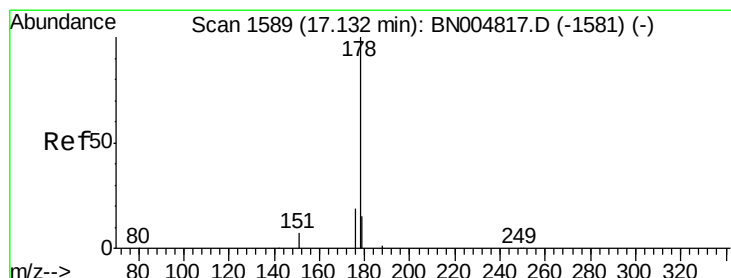
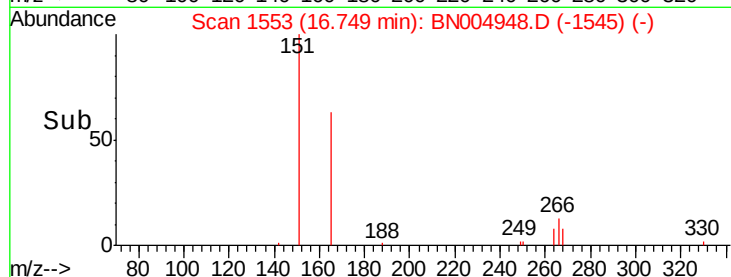
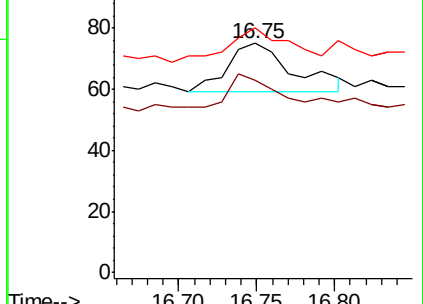
268 106.7 57.7 86.5#



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: 2.266 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

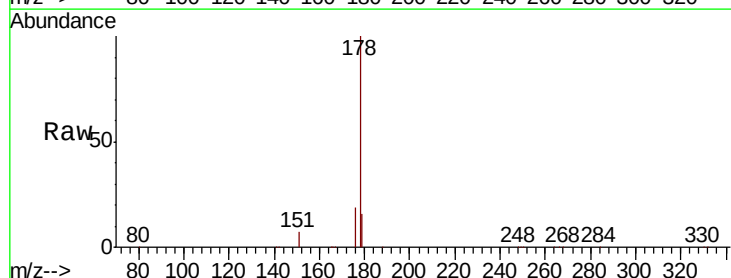
Tgt Ion:178 Resp: 105417

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

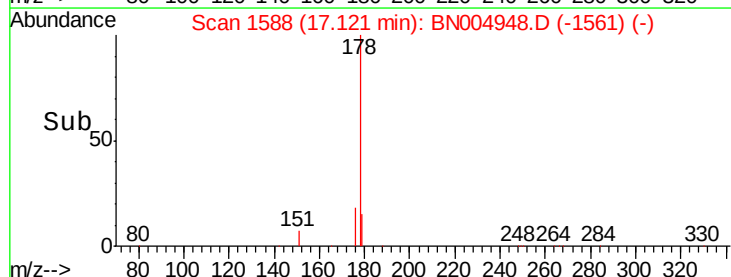
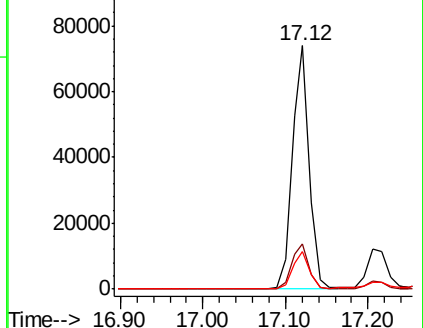
179 15.5 12.1 18.1

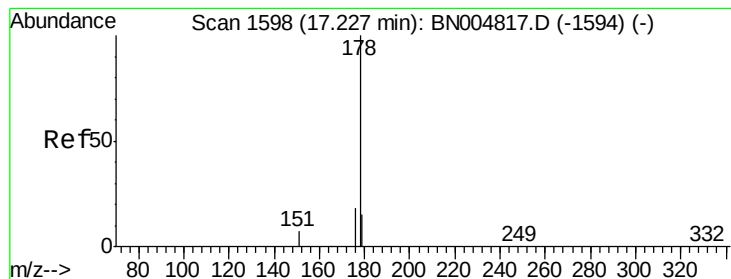


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.481 ng

RT: 17.21 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Instrument :

BNA\_N

ClientSampleId :

PST-026-SW037-031819

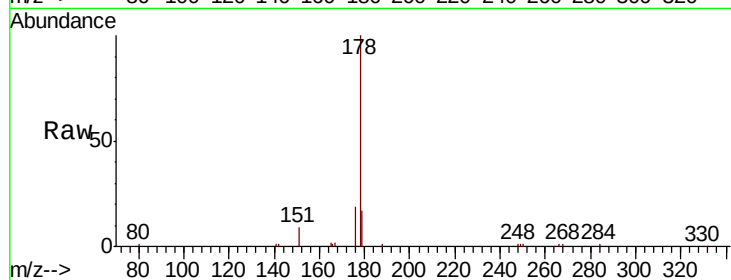
Tgt Ion:178 Resp: 19988

Ion Ratio Lower Upper

178 100

176 18.2 14.5 21.7

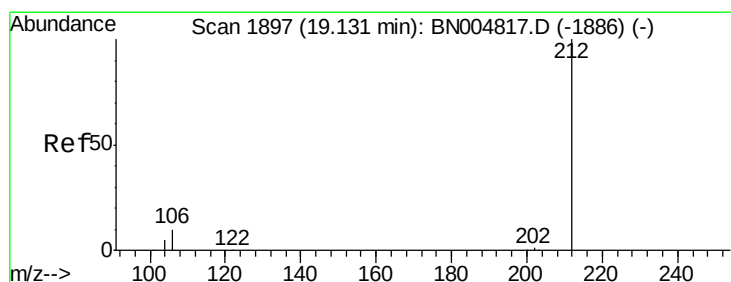
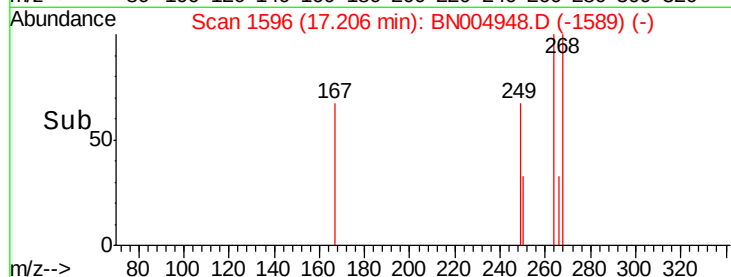
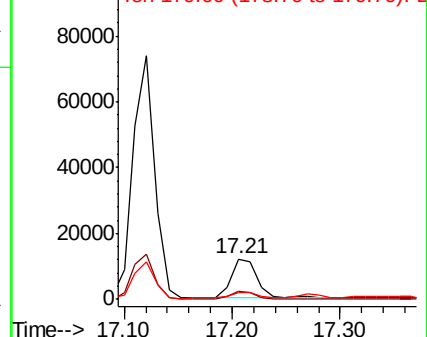
179 16.3 12.2 18.4



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: 0.264 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

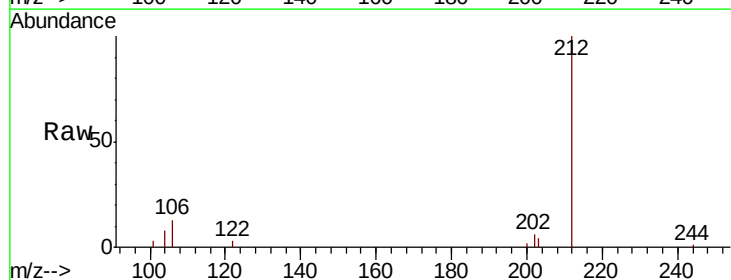
Tgt Ion:212 Resp: 12747

Ion Ratio Lower Upper

212 100

106 13.3 8.6 13.0#

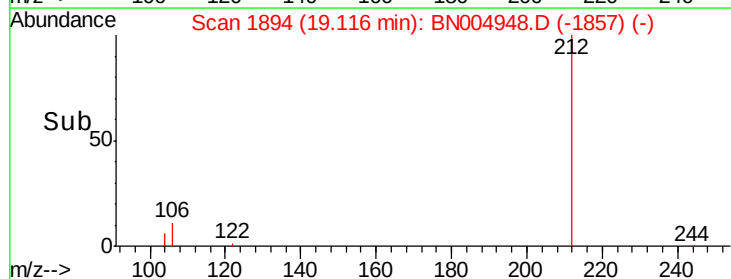
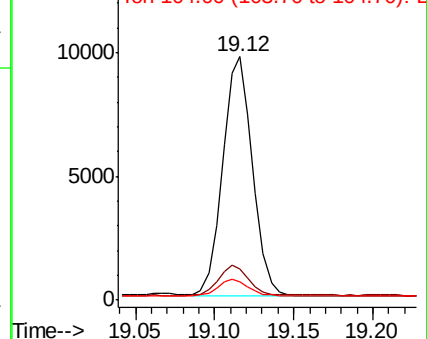
104 7.1 4.7 7.1#

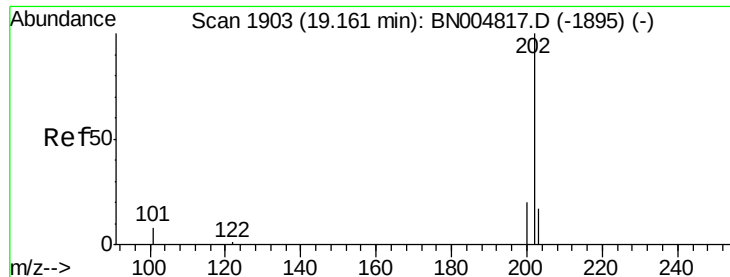


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

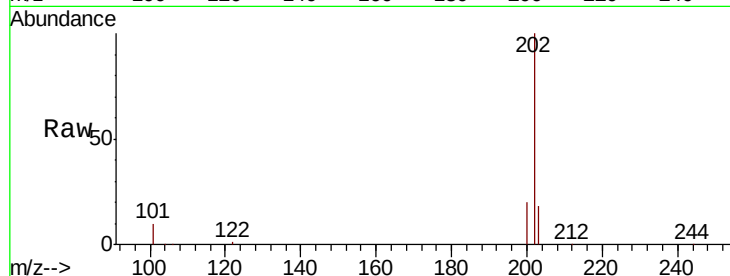




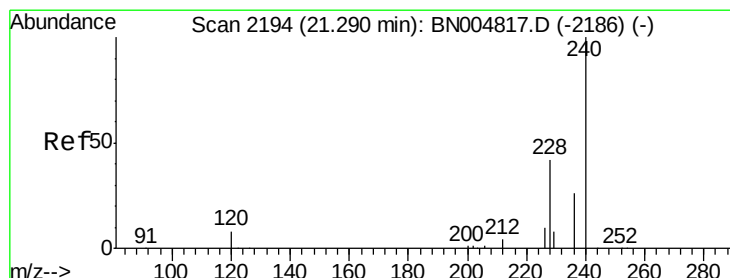
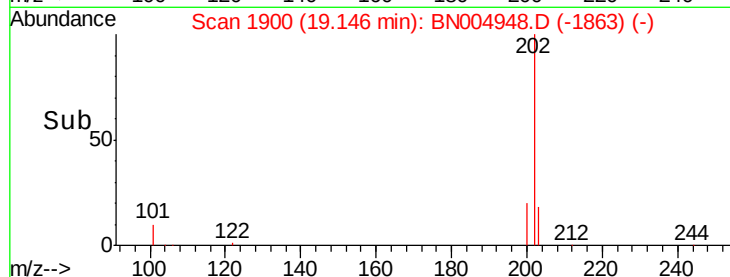
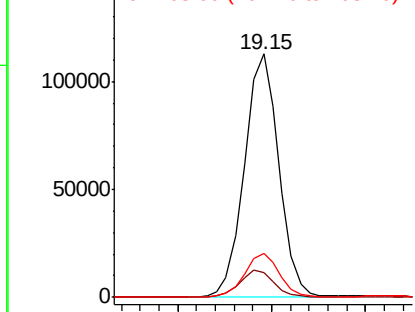
#26  
Fluoranthene  
Concen: 2.388 ng  
RT: 19.15 min Scan# 1900  
Delta R.T. -0.01 min  
Lab File: BN004948.D  
Acq: 24 Mar 2019 20:32

Instrument :  
BNA\_N  
ClientSampleId :  
PST-026-SW037-031819

Tgt Ion:202 Resp: 142770  
Ion Ratio Lower Upper  
202 100  
101 10.8 7.5 11.3  
203 17.7 13.8 20.6

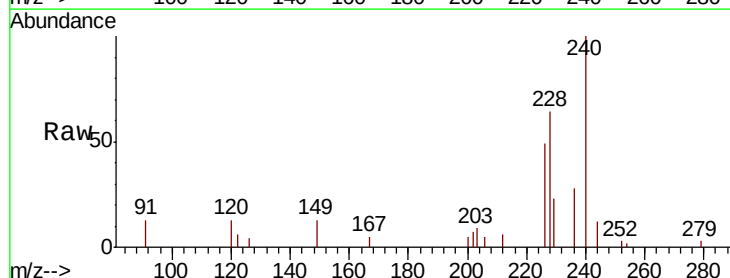


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E

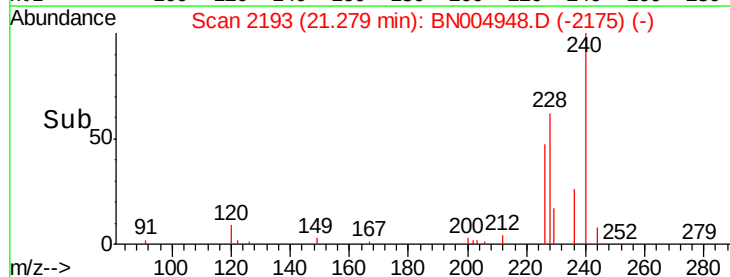
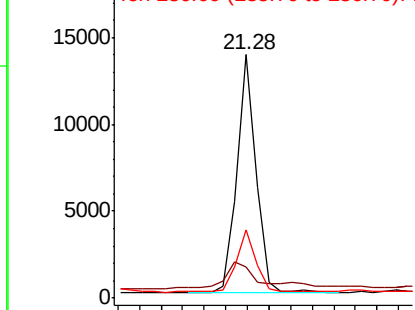


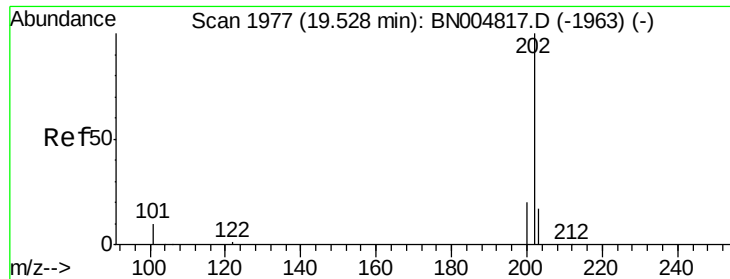
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.28 min Scan# 2193  
Delta R.T. -0.01 min  
Lab File: BN004948.D  
Acq: 24 Mar 2019 20:32

Tgt Ion:240 Resp: 16939  
Ion Ratio Lower Upper  
240 100  
120 12.8 7.2 10.8#  
236 27.9 20.9 31.3



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

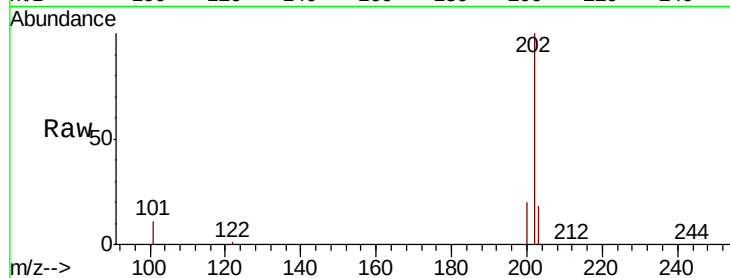




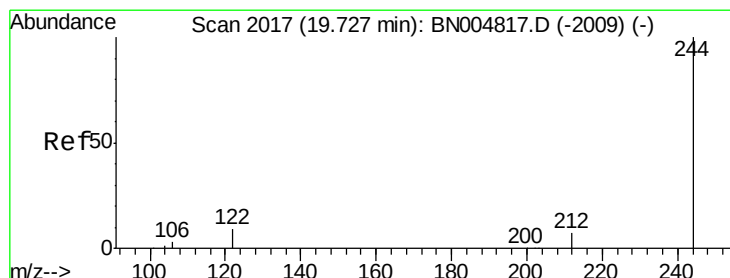
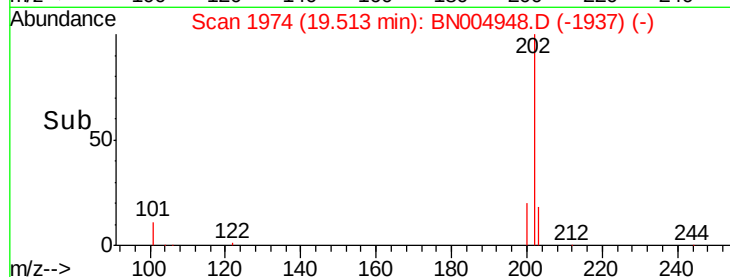
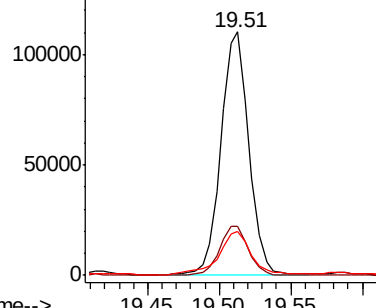
#28  
 Pyrene  
 Concen: 2.870 ng  
 RT: 19.51 min Scan# 1974  
 Delta R.T. -0.01 min  
 Lab File: BN004948.D  
 Acq: 24 Mar 2019 20:32

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-026-SW037-031819

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 148246 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 200      | 20.5  | 16.3  | 24.5   |
| 203      | 20.1  | 14.0  | 21.0   |

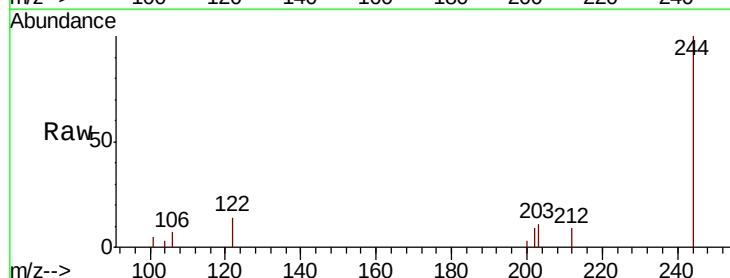


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

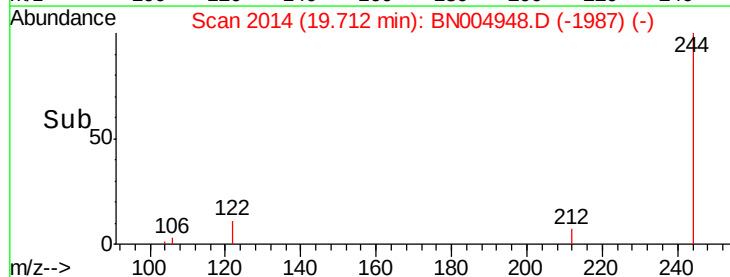
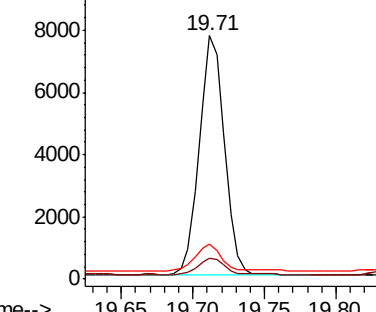


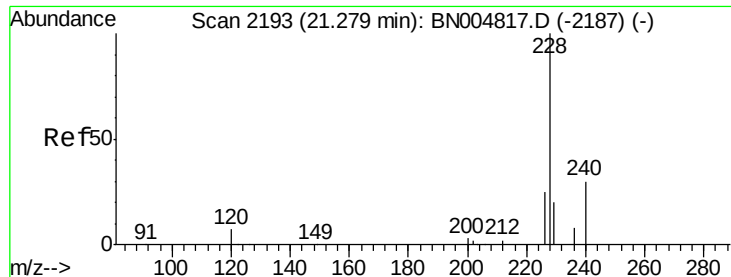
#29  
 Terphenyl-d14  
 Concen: 0.271 ng  
 RT: 19.71 min Scan# 2014  
 Delta R.T. -0.01 min  
 Lab File: BN004948.D  
 Acq: 24 Mar 2019 20:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 244   | Resp: | 9385  |
| Ion      | Ratio | Lower | Upper |
| 244      | 100   |       |       |
| 212      | 8.8   | 5.8   | 8.6#  |
| 122      | 14.2  | 7.9   | 11.9# |



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: 1.323 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Instrument :

BNA\_N

ClientSampleId :

PST-026-SW037-031819

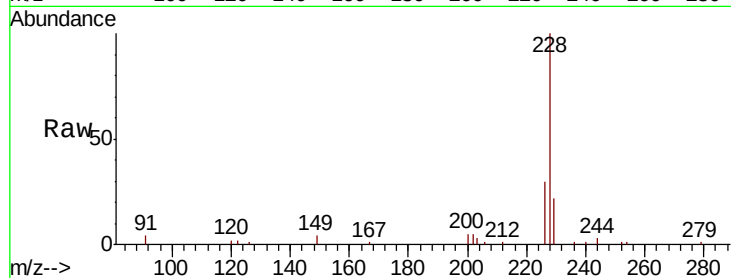
Tgt Ion:228 Resp: 73510

Ion Ratio Lower Upper

228 100

226 29.5 20.6 31.0

229 22.1 16.2 24.4

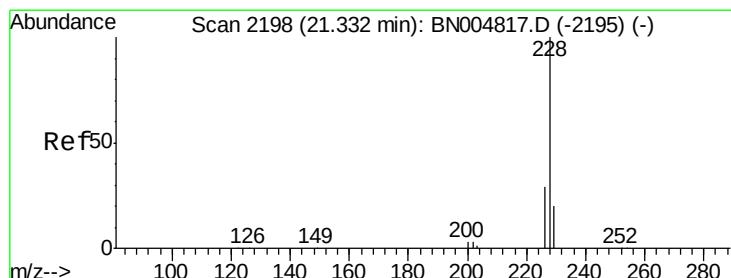
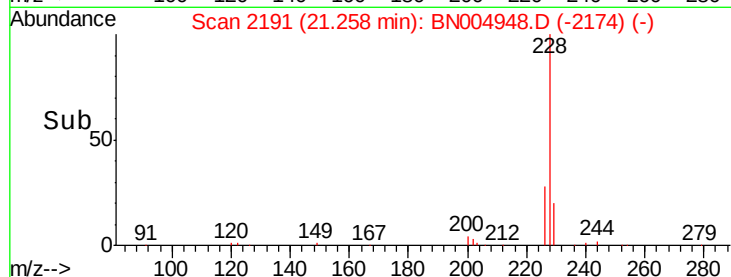
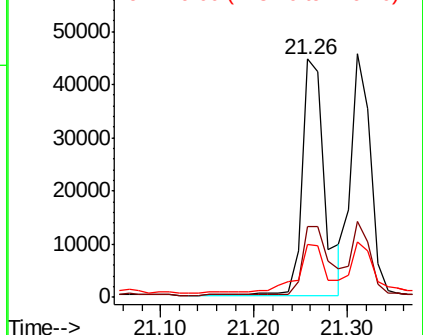


Abundance

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: 1.111 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

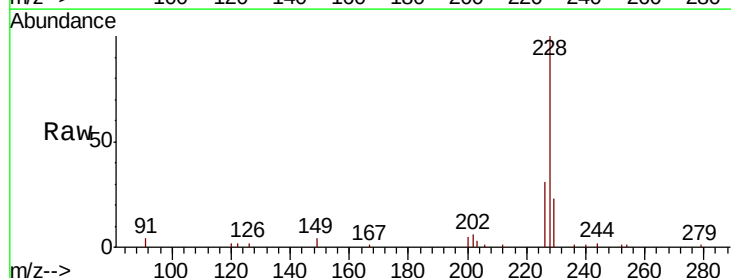
Tgt Ion:228 Resp: 65011

Ion Ratio Lower Upper

228 100

226 31.3 23.0 34.6

229 22.6 16.2 24.2

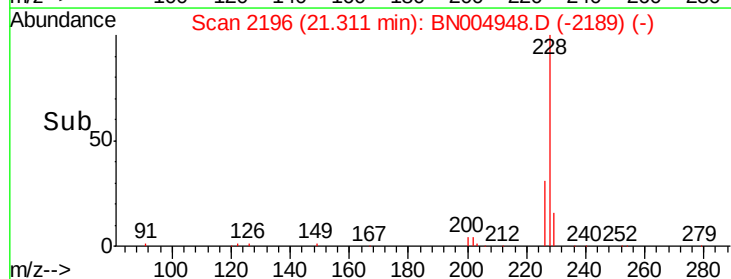
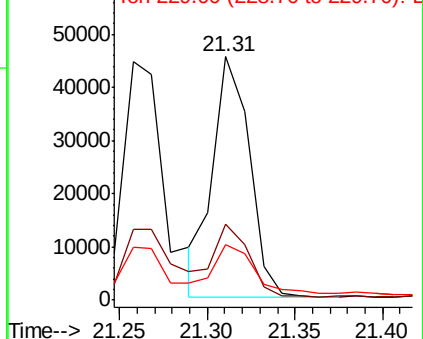


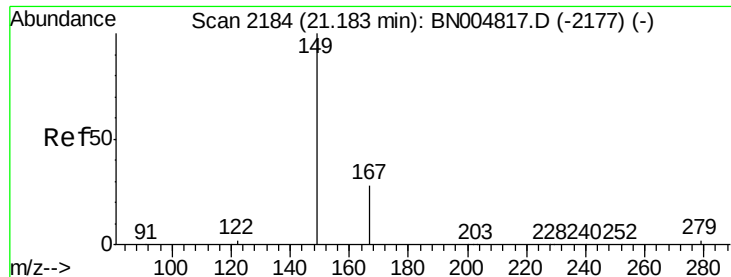
Abundance

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

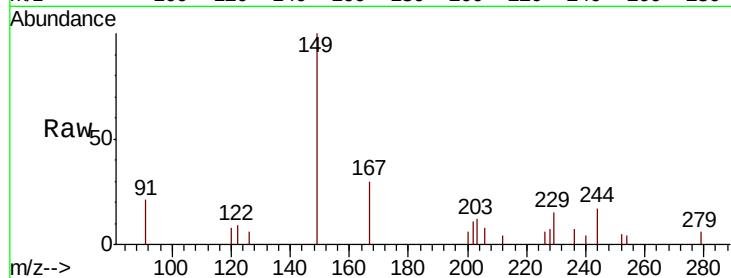




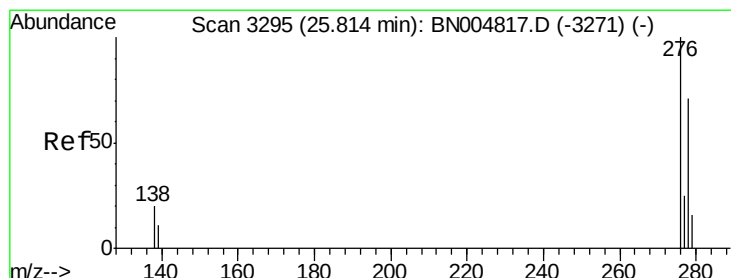
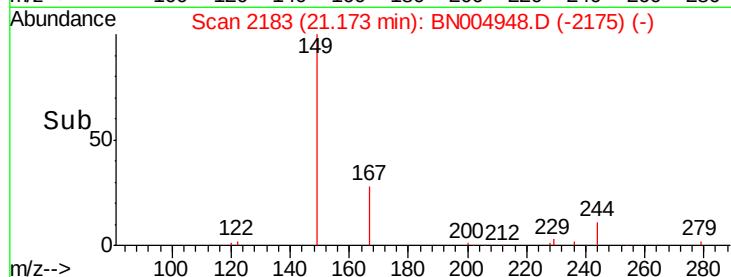
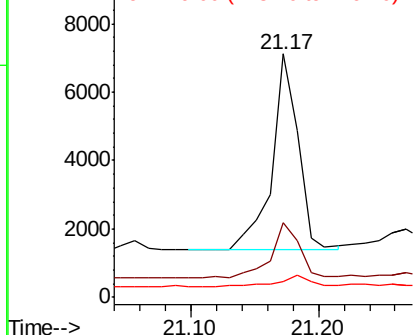
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.366 ng  
 RT: 21.17 min Scan# 2183  
 Delta R.T. -0.01 min  
 Lab File: BN004948.D  
 Acq: 24 Mar 2019 20:32

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-026-SW037-031819

Tgt Ion:149 Resp: 8133  
 Ion Ratio Lower Upper  
 149 100  
 167 30.2 23.0 34.4  
 279 6.1 4.6 6.8

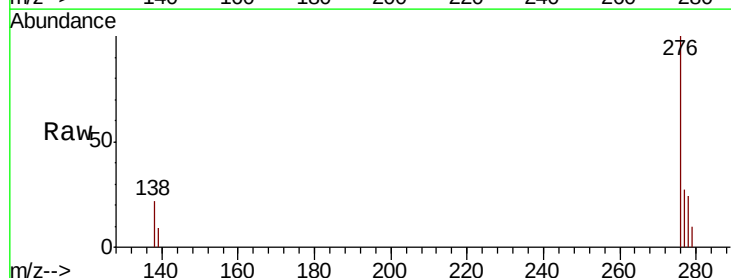


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

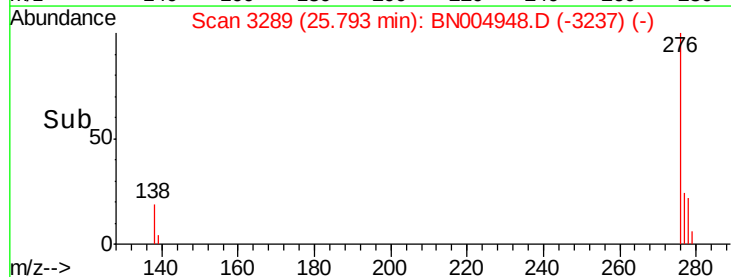
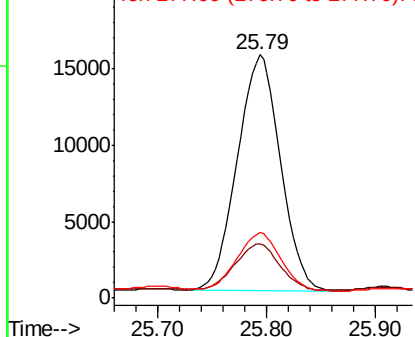


#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.501 ng  
 RT: 25.79 min Scan# 3289  
 Delta R.T. -0.02 min  
 Lab File: BN004948.D  
 Acq: 24 Mar 2019 20:32

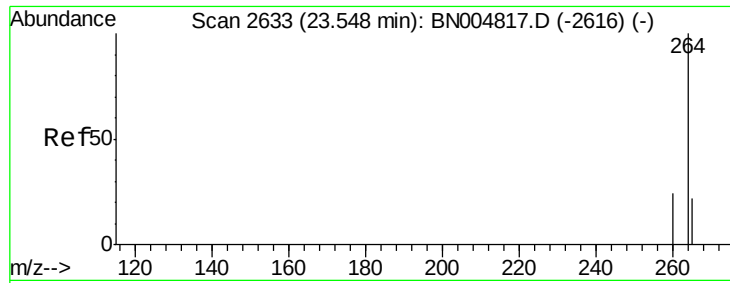
Tgt Ion:276 Resp: 42392  
 Ion Ratio Lower Upper  
 276 100  
 138 20.3 16.6 24.8  
 277 25.0 20.3 30.5



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



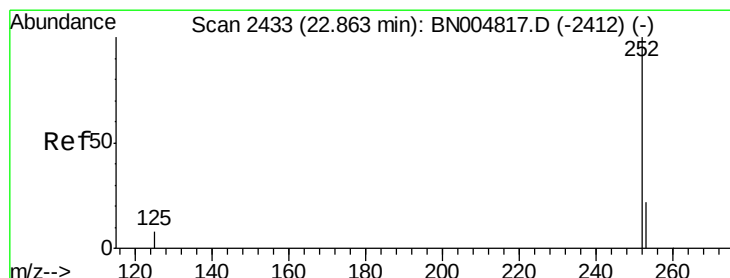
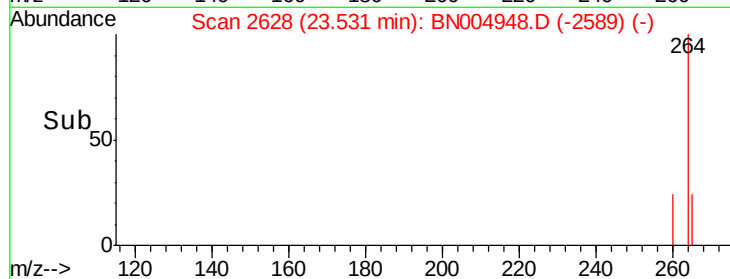
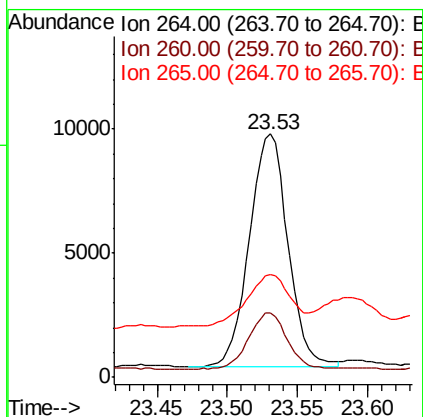
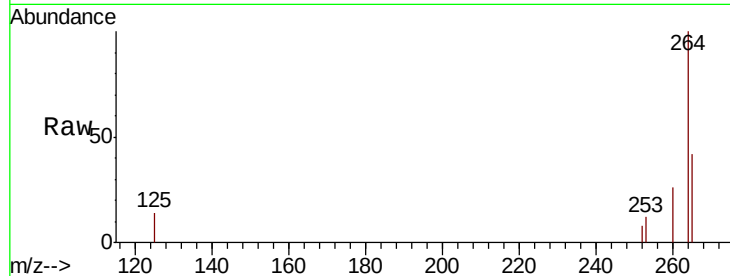




#34  
**Perylene-d12**  
 Concen: 0.400 ng  
 RT: 23.53 min Scan# 2628  
 Delta R.T. -0.02 min  
 Lab File: BN004948.D  
 Acq: 24 Mar 2019 20:32

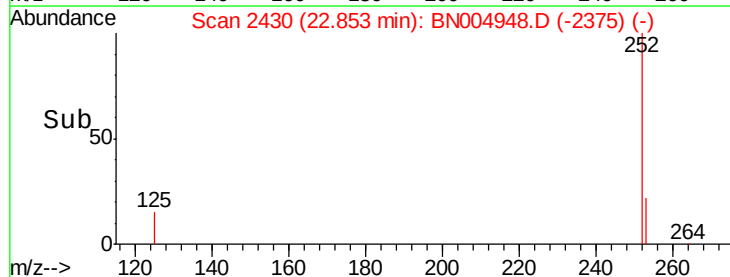
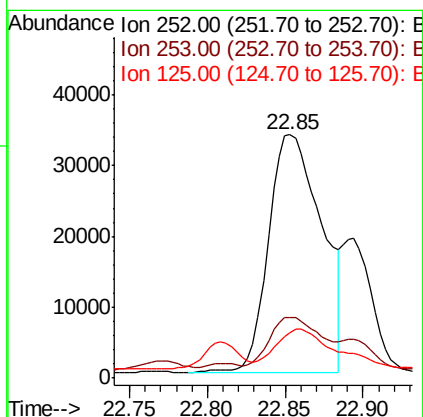
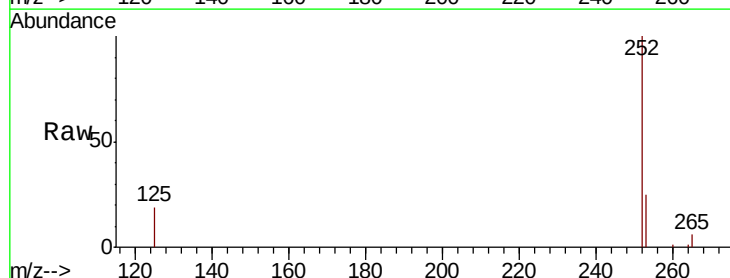
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-026-SW037-031819

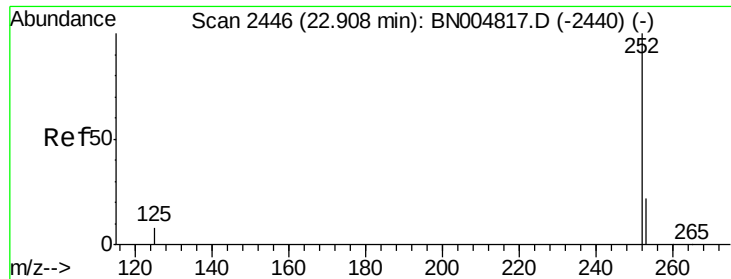
Tgt Ion: 264 Resp: 17814  
 Ion Ratio Lower Upper  
 264 100  
 260 26.5 19.5 29.3  
 265 42.3 23.1 34.7#



#35  
**Benzo(b)fluoranthene**  
 Concen: 1.238 ng  
 RT: 22.85 min Scan# 2430  
 Delta R.T. -0.01 min  
 Lab File: BN004948.D  
 Acq: 24 Mar 2019 20:32

Tgt Ion: 252 Resp: 79781  
 Ion Ratio Lower Upper  
 252 100  
 253 25.1 19.0 28.4  
 125 18.7 7.4 11.2#





#36

Benzo(k)fluoranthene

Concen: 1.258 ng

RT: 22.85 min Scan# 2430

Delta R.T. -0.05 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Instrument :

BNA\_N

ClientSampleId :

PST-026-SW037-031819

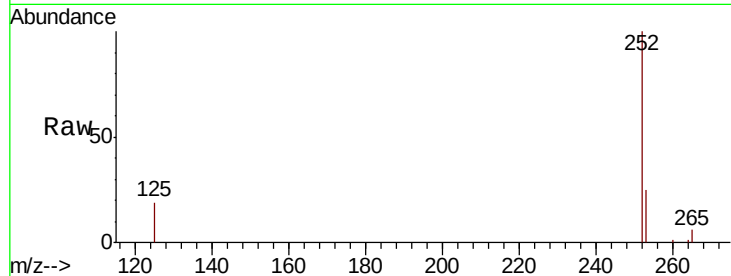
Tgt Ion:252 Resp: 79781

Ion Ratio Lower Upper

252 100

253 25.1 19.3 28.9

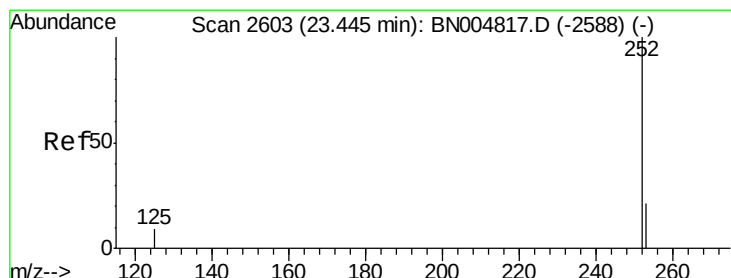
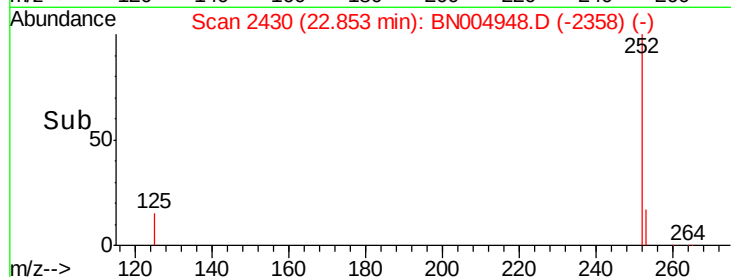
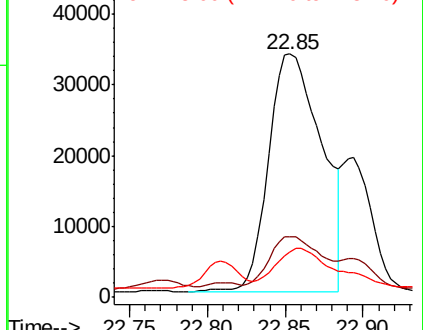
125 18.7 7.4 11.0#



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: 1.016 ng

RT: 23.43 min Scan# 2599

Delta R.T. -0.01 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

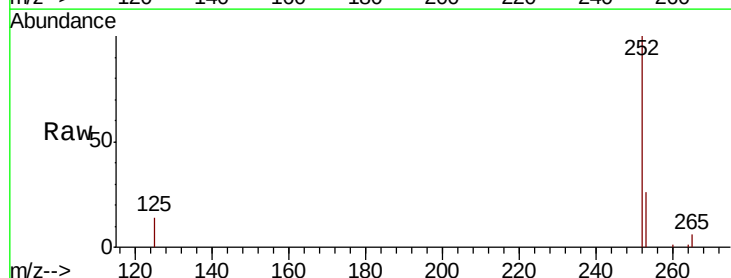
Tgt Ion:252 Resp: 60084

Ion Ratio Lower Upper

252 100

253 25.9 19.7 29.5

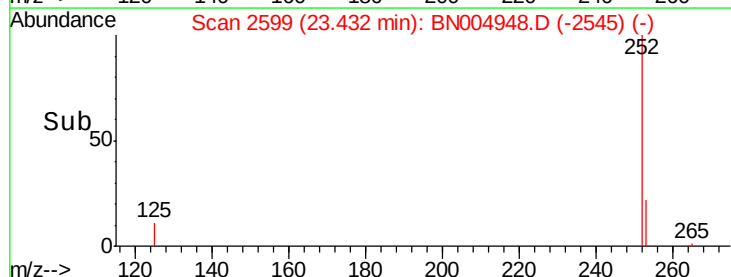
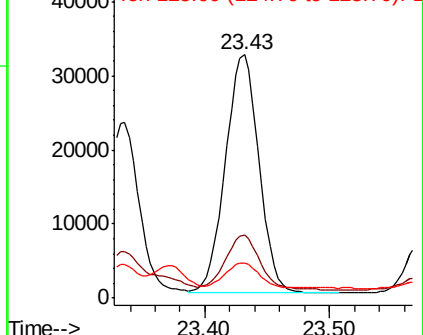
125 14.4 8.3 12.5#

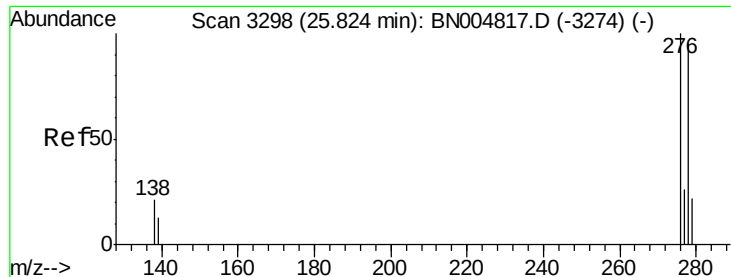


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.173 ng

RT: 25.80 min Scan# 3290

Delta R.T. -0.03 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

Instrument :

BNA\_N

ClientSampleId :

PST-026-SW037-031819

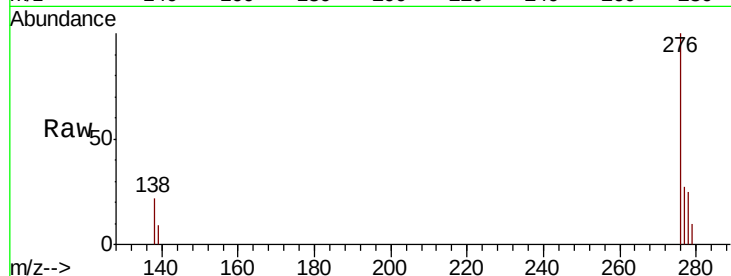
Tgt Ion: 278 Resp: 11870

Ion Ratio Lower Upper

278 100

139 36.4 11.7 17.5#

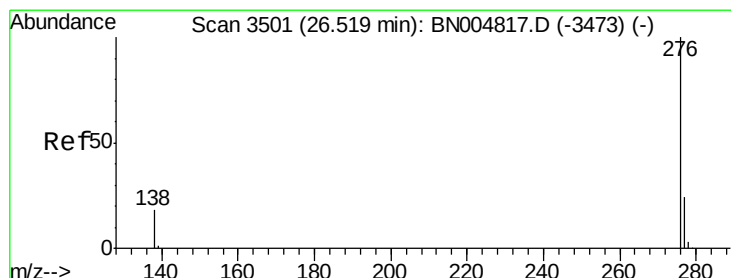
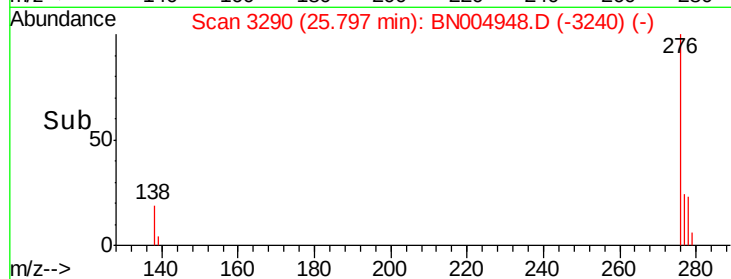
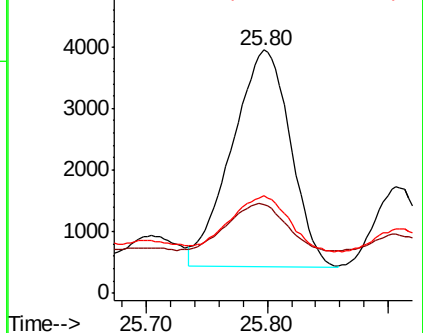
279 40.2 19.9 29.9#



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: 0.644 ng

RT: 26.49 min Scan# 3493

Delta R.T. -0.03 min

Lab File: BN004948.D

Acq: 24 Mar 2019 20:32

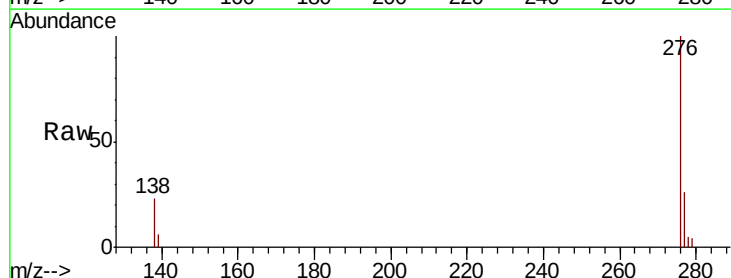
Tgt Ion: 276 Resp: 44892

Ion Ratio Lower Upper

276 100

277 26.1 19.7 29.5

138 22.6 14.6 22.0#



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

