

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN032519\  
 Data File : BN004955.D  
 Acq On : 25 Mar 2019 11:49  
 Operator : JU/SJ  
 Sample : K1817-08REDL 5X  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-027-SW007-030719DL

Quant Time: Mar 26 01:16:21 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  | 3850     | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.47 | 136  | 15084    | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.32 | 164  | 7555     | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 17.08 | 188  | 15943    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.28 | 240  | 18497    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.53 | 264  | 19442    | 0.40 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.28  | 112  | 852      | 0.08 | ng    | 0.00     |
| 5) Phenol-d6                | 6.87  | 99   | 1021     | 0.08 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.86  | 82   | 789      | 0.08 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10 | 12.07 | 152  | 1700     | 0.06 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol    | 15.84 | 330  | 330      | 0.06 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl        | 12.94 | 172  | 2436     | 0.08 | ng    | -0.02    |
| 25) Fluoranthene-d10        | 19.12 | 212  | 3208     | 0.06 | ng    | -0.01    |
| 29) Terphenyl-d14           | 19.71 | 244  | 2513     | 0.07 | ng    | -0.01    |

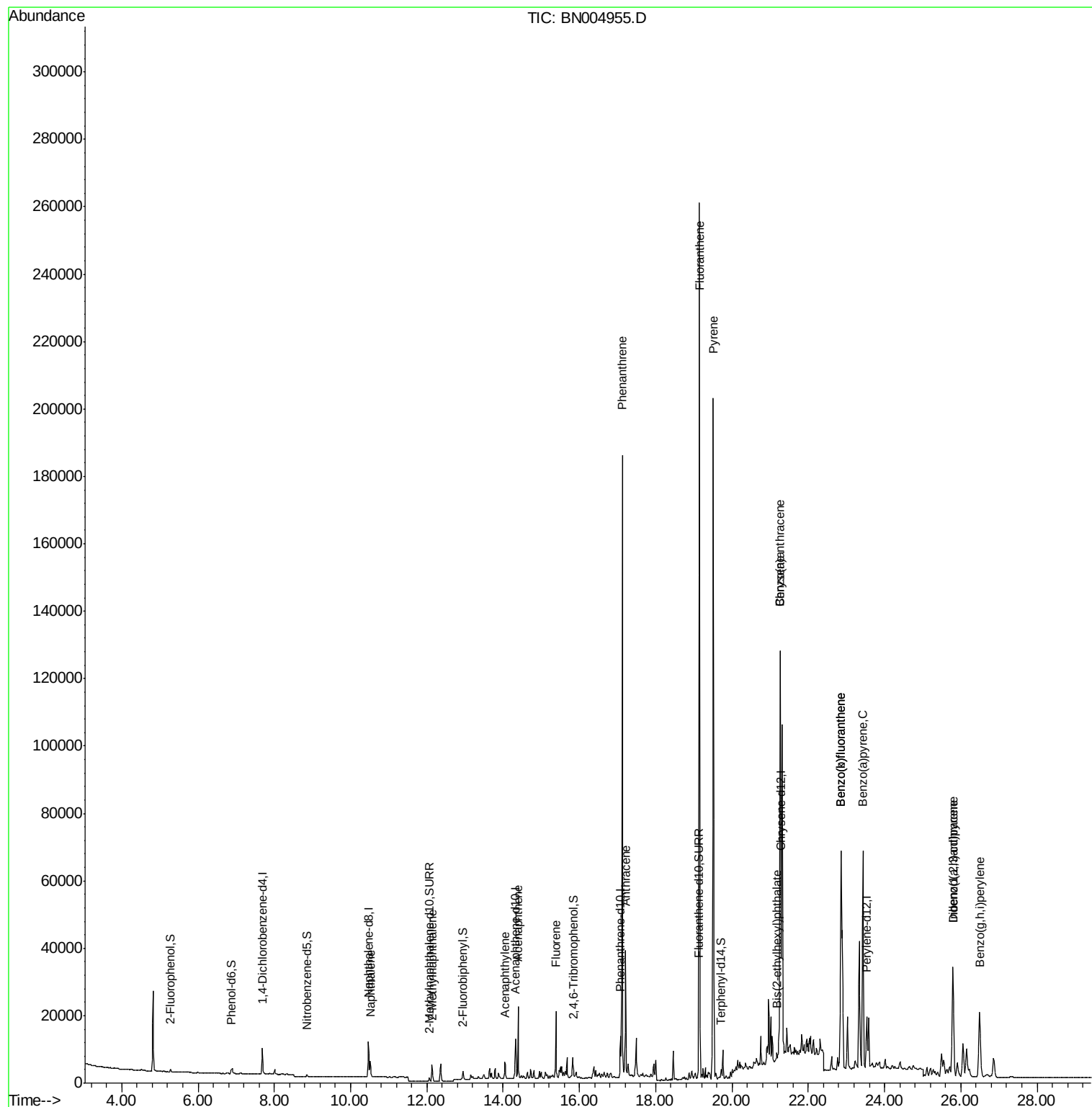
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 9) Naphthalene                 | 10.52 | 128  | 6208     | 0.147 | ng    | 99     |
| 12) 2-Methylnaphthalene        | 12.14 | 142  | 3888     | 0.124 | ng    | 97     |
| 16) Acenaphthylene             | 14.04 | 152  | 5502     | 0.141 | ng    | 98     |
| 17) Acenaphthene               | 14.39 | 154  | 10388    | 0.408 | ng    | 99     |
| 18) Fluorene                   | 15.38 | 166  | 12330    | 0.347 | ng    | 97     |
| 23) Phenanthrene               | 17.12 | 178  | 189593   | 3.683 | ng    | 99     |
| 24) Anthracene                 | 17.21 | 178  | 40719    | 0.886 | ng    | # 91   |
| 26) Fluoranthene               | 19.15 | 202  | 225874   | 3.414 | ng    | 98     |
| 28) Pyrene                     | 19.51 | 202  | 186113   | 3.300 | ng    | # 94   |
| 30) Benzo(a)anthracene         | 21.26 | 228  | 124106   | 2.046 | ng    | 98     |
| 31) Chrysene                   | 21.26 | 228  | 85911    | 1.345 | ng    | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 1634     | 0.067 | ng    | # 98   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.79 | 276  | 48086    | 0.520 | ng    | 100    |
| 35) Benzo(b)fluoranthene       | 22.86 | 252  | 113194   | 1.609 | ng    | # 98   |
| 36) Benzo(k)fluoranthene       | 22.86 | 252  | 113194   | 1.636 | ng    | # 98   |
| 37) Benzo(a)pyrene             | 23.43 | 252  | 85452    | 1.324 | ng    | 98     |
| 38) Dibenzo(a,h)anthracene     | 25.80 | 278  | 16059    | 0.215 | ng    | # 79   |
| 39) Benzo(g,h,i)perylene       | 26.49 | 276  | 40600    | 0.533 | ng    | # 95   |

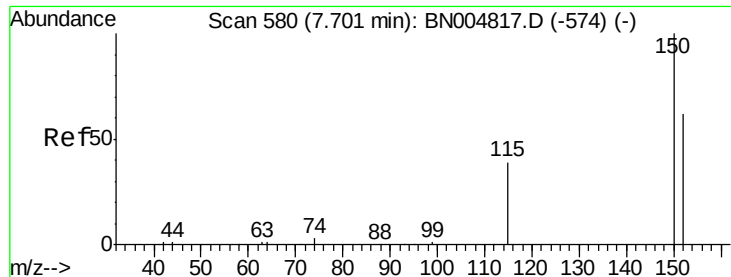
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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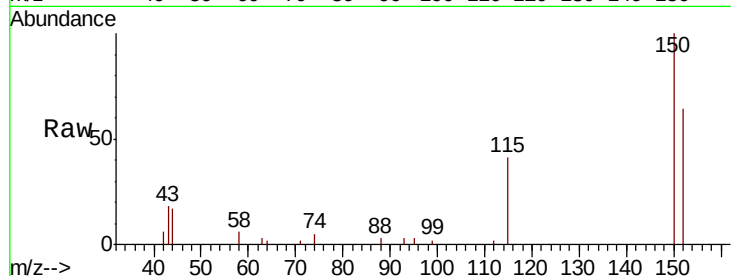


#1

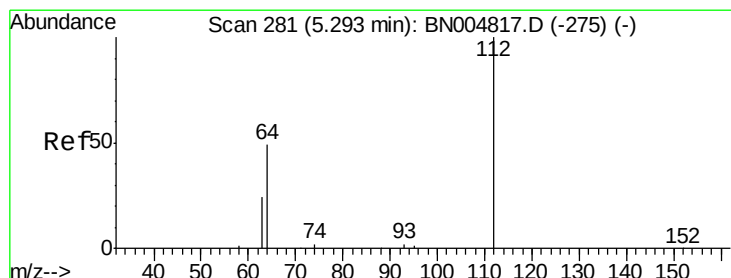
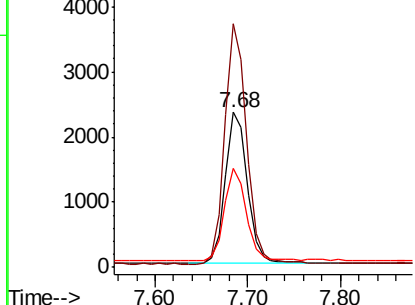
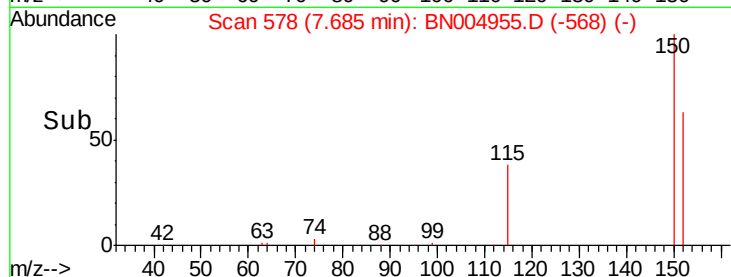
1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.68 min Scan# 578  
 Delta R.T. -0.02 min  
 Lab File: BN004955.D  
 Acq: 25 Mar 2019 11:49

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-027-SW007-030719DL

Tgt Ion:152 Resp: 3850  
 Ion Ratio Lower Upper  
 152 100  
 150 157.1 126.2 189.4  
 115 63.9 52.6 79.0



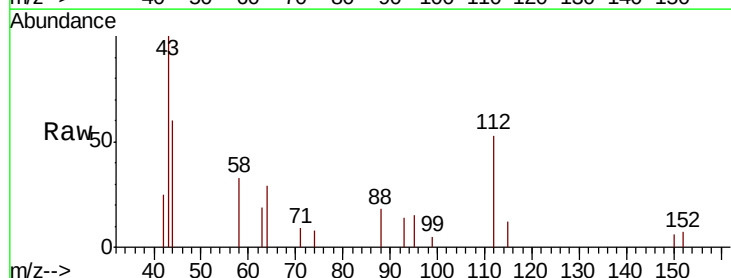
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



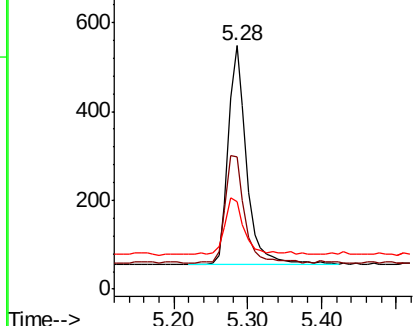
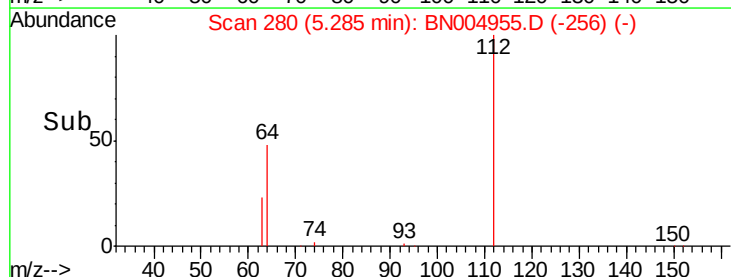
#4

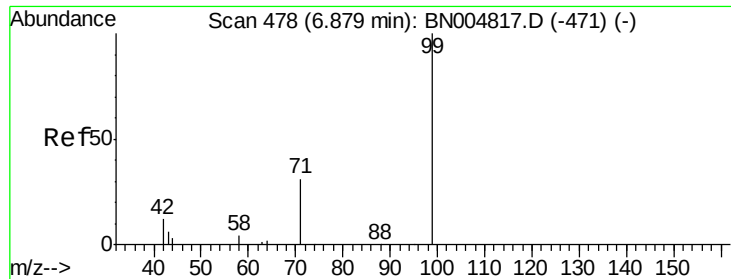
2-Fluorophenol  
 Concen: 0.081 ng  
 RT: 5.28 min Scan# 280  
 Delta R.T. -0.01 min  
 Lab File: BN004955.D  
 Acq: 25 Mar 2019 11:49

Tgt Ion:112 Resp: 852  
 Ion Ratio Lower Upper  
 112 100  
 64 52.0 40.0 60.0  
 63 31.6 20.2 30.2#



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BNC  
 Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.078 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

Instrument :

BNA\_N

ClientSampleId :

EXT-027-SW007-030719DL

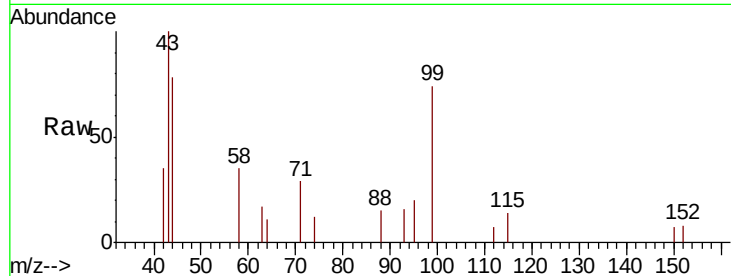
Tgt Ion: 99 Resp: 1021

Ion Ratio Lower Upper

99 100

42 27.3 12.7 19.1#

71 31.4 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN004817.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN004817.D (-471) (-)

6.87

600

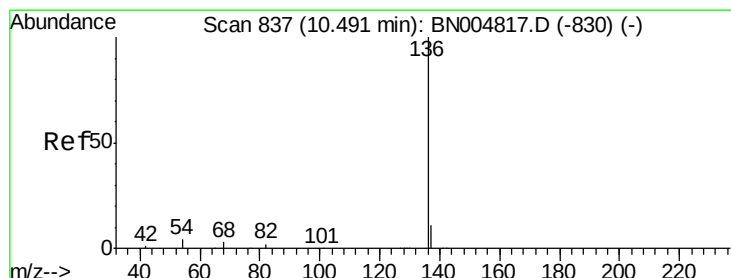
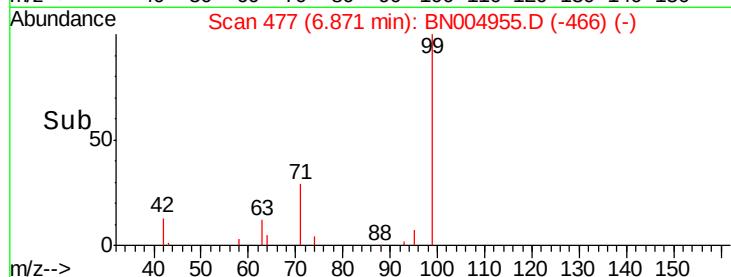
400

200

0

6.80 6.90 7.00

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. -0.03 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

Tgt Ion: 136 Resp: 15084

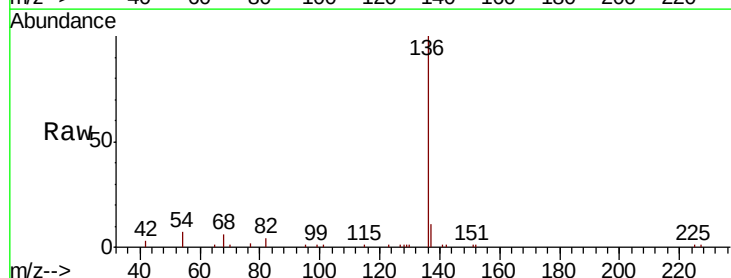
Ion Ratio Lower Upper

136 100

137 11.4 9.6 14.4

54 7.5 4.2 6.2#

68 6.4 3.9 5.9#



Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

Ion 137.00 (136.70 to 137.70): BN004817.D (-830) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-830) (-)

Ion 68.00 (67.70 to 68.70): BN004817.D (-830) (-)

10.47

12000

10000

8000

6000

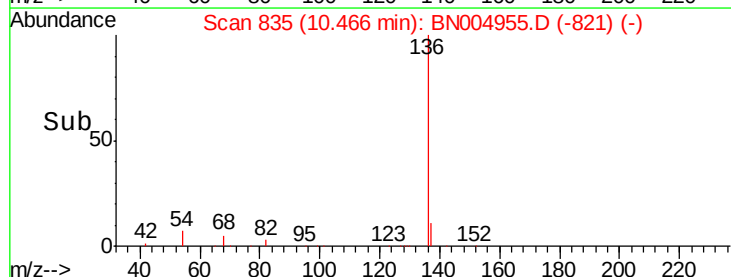
4000

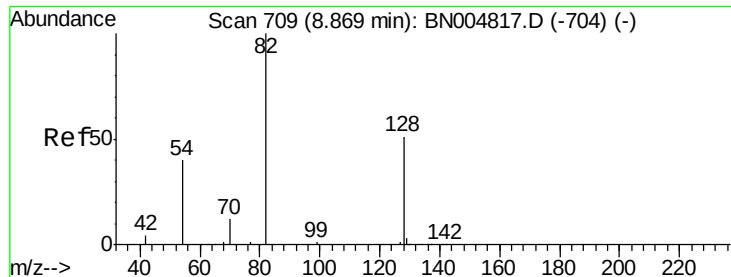
2000

0

10.30 10.40 10.50 10.60

Time-->





#8

Nitrobenzene-d5

Concen: 0.079 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

Instrument :

BNA\_N

ClientSampleId :

EXT-027-SW007-030719DL

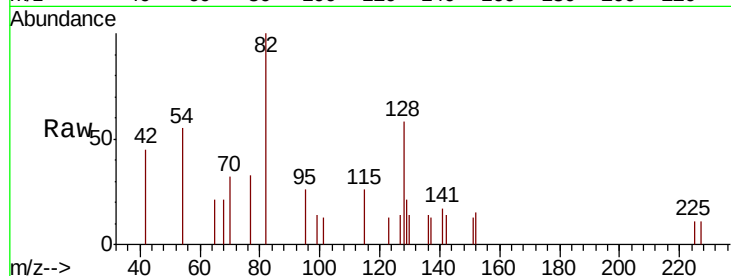
Tgt Ion: 82 Resp: 789

Ion Ratio Lower Upper

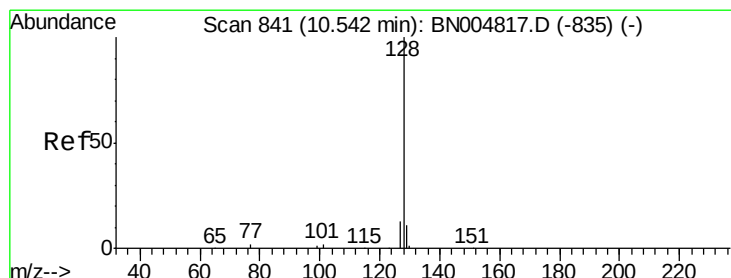
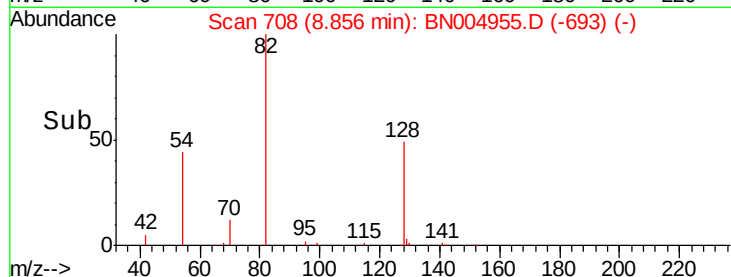
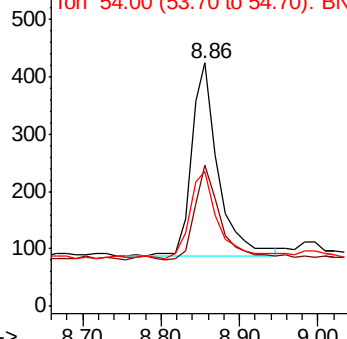
82 100

128 58.0 43.0 64.6

54 55.2 35.3 52.9#



Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)



#9

Naphthalene

Concen: 0.147 ng

RT: 10.52 min Scan# 839

Delta R.T. -0.03 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

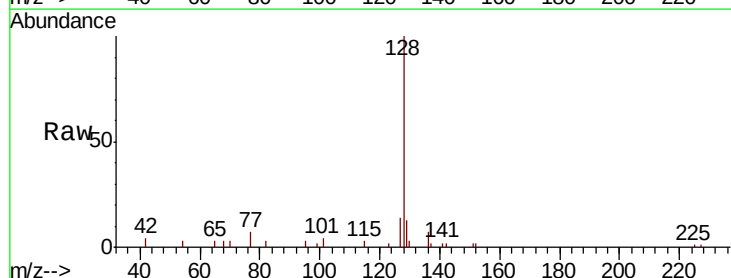
Tgt Ion: 128 Resp: 6208

Ion Ratio Lower Upper

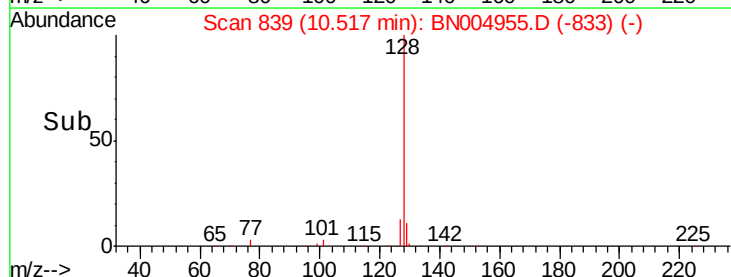
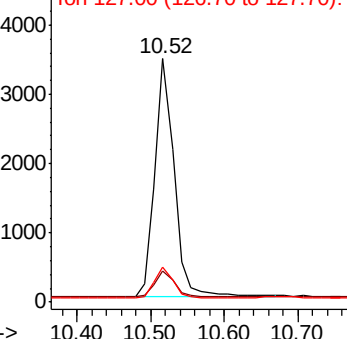
128 100

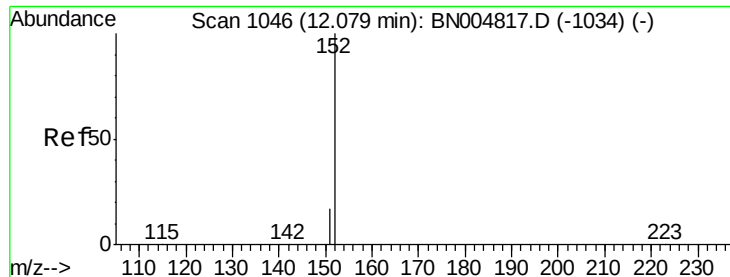
129 12.8 9.9 14.9

127 14.5 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): BN004817.D (-835) (-)

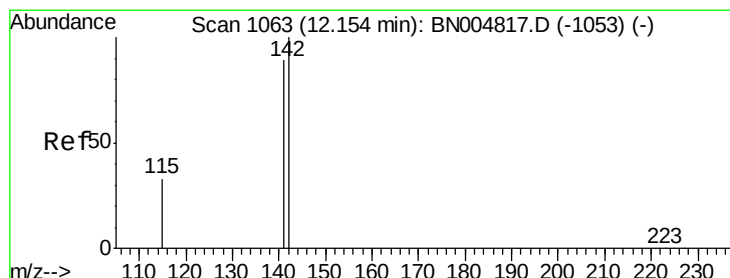
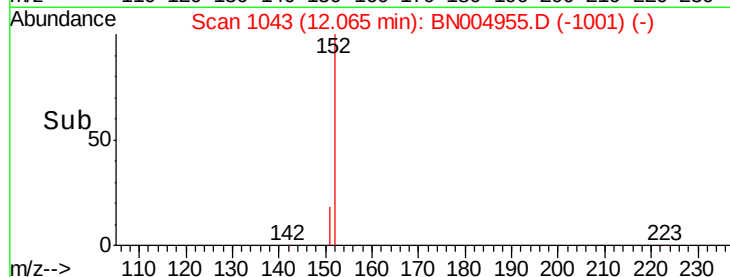
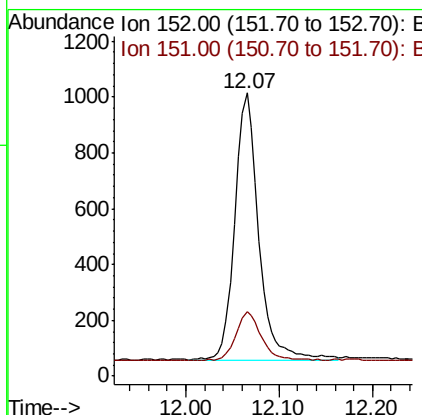
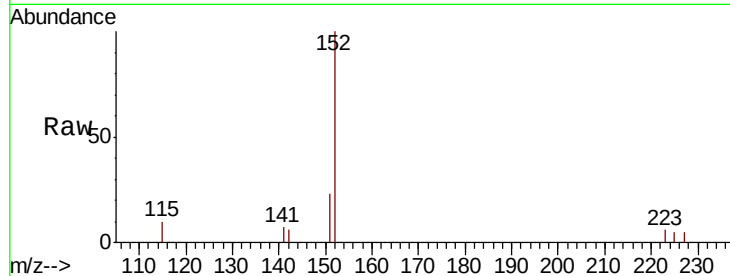




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.065 ng  
 RT: 12.07 min Scan# 1043  
 Delta R.T. -0.01 min  
 Lab File: BN004955.D  
 Acq: 25 Mar 2019 11:49

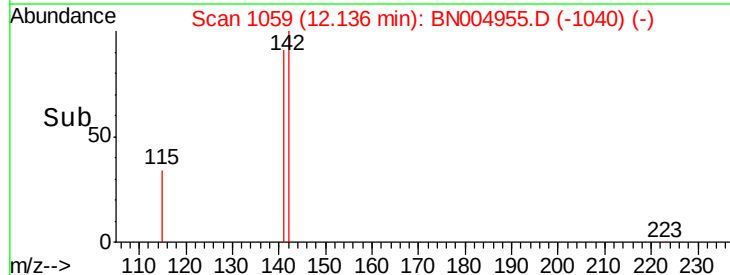
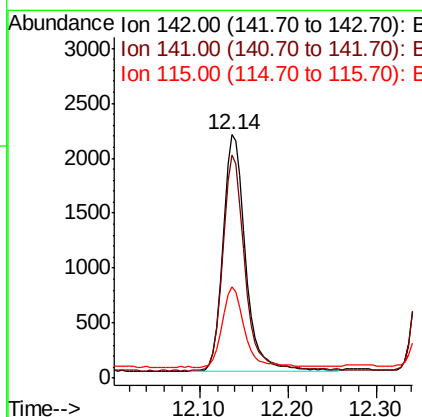
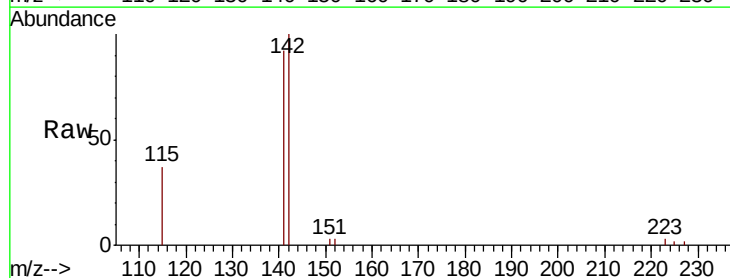
Instrument :  
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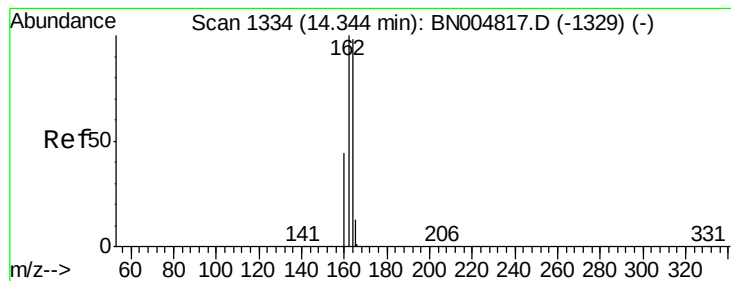
Tgt Ion:152 Resp: 1700  
 Ion Ratio Lower Upper  
 152 100  
 151 19.9 15.5 23.3



#12  
 2-Methylnaphthalene  
 Concen: 0.124 ng  
 RT: 12.14 min Scan# 1059  
 Delta R.T. -0.02 min  
 Lab File: BN004955.D  
 Acq: 25 Mar 2019 11:49

Tgt Ion:142 Resp: 3888  
 Ion Ratio Lower Upper  
 142 100  
 141 91.8 71.4 107.2  
 115 37.4 27.5 41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

Instrument :

BNA\_N

ClientSampleId :

EXT-027-SW007-030719DL

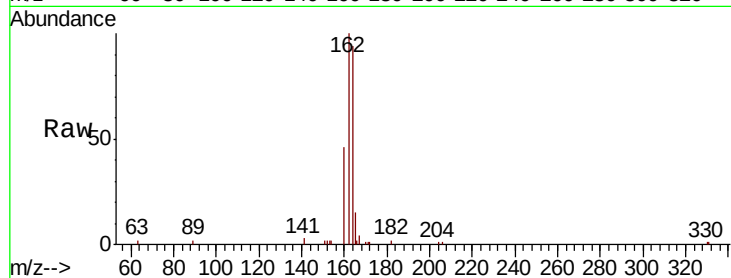
Tgt Ion:164 Resp: 7555

Ion Ratio Lower Upper

164 100

162 106.3 81.9 122.9

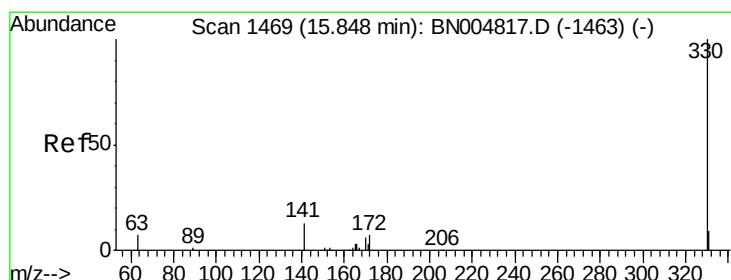
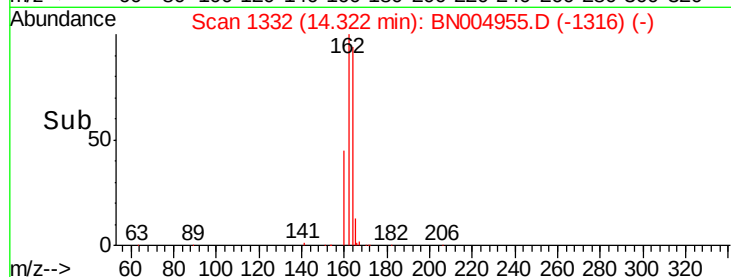
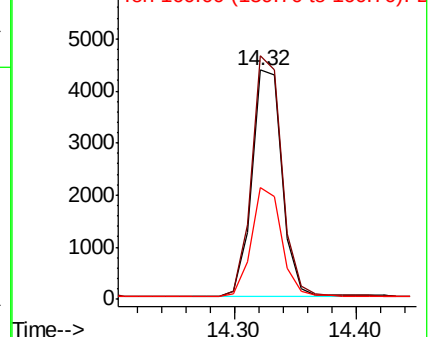
160 48.9 36.6 54.8



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: 0.063 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

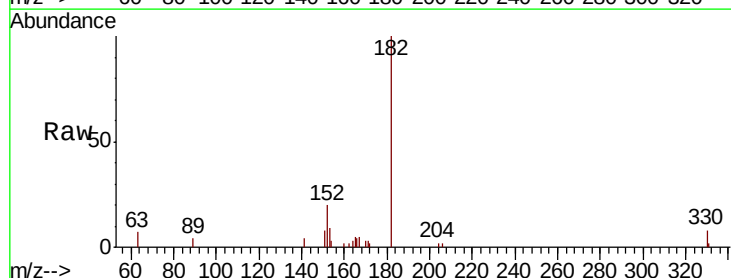
Tgt Ion:330 Resp: 330

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

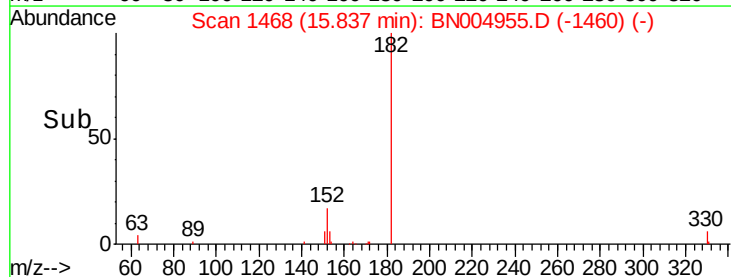
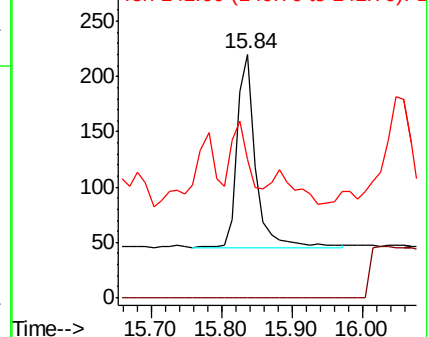
141 34.5 20.9 31.3#

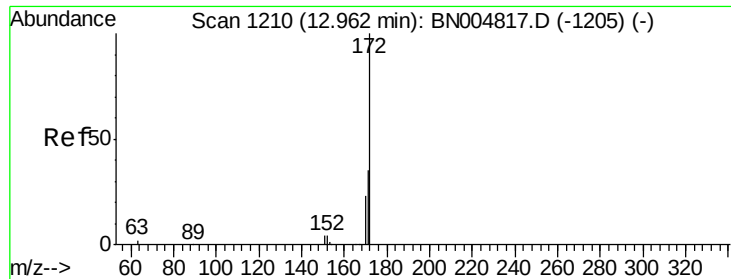


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

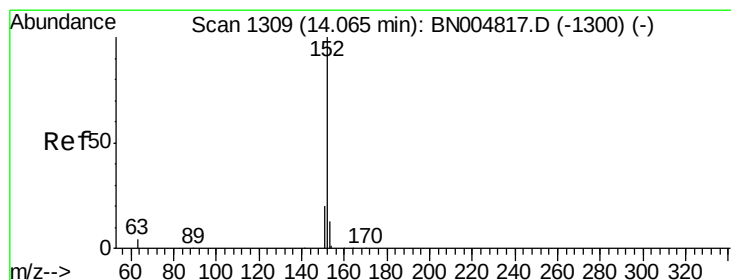
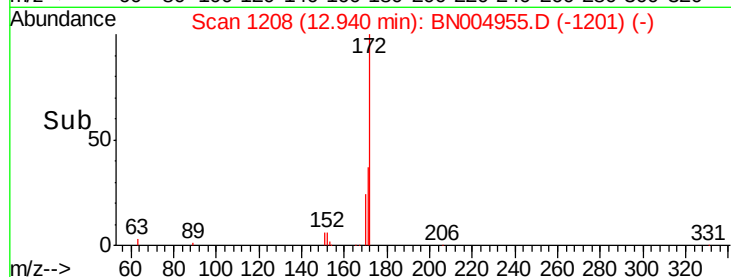
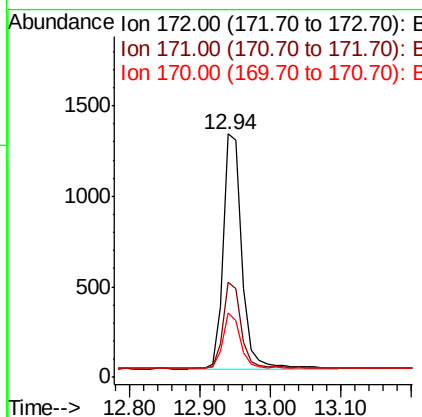
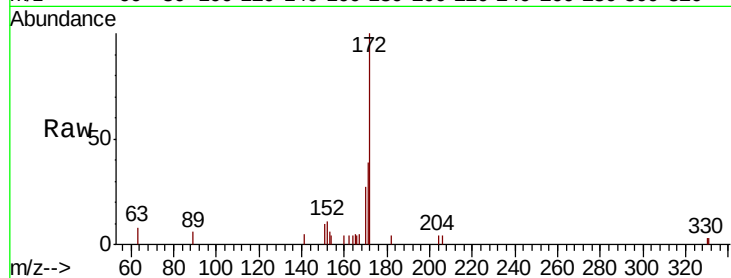




#15  
2-Fluorobiphenyl  
Concen: 0.078 ng  
RT: 12.94 min Scan# 1208  
Delta R.T. -0.02 min  
Lab File: BN004955.D  
Acq: 25 Mar 2019 11:49

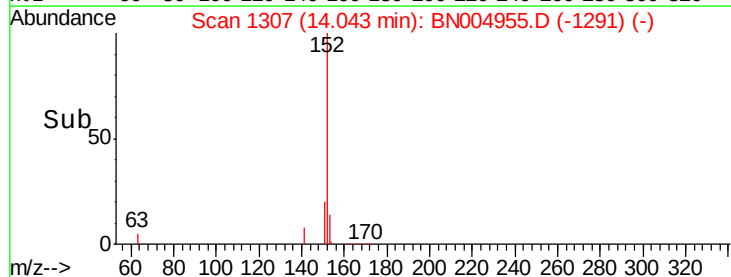
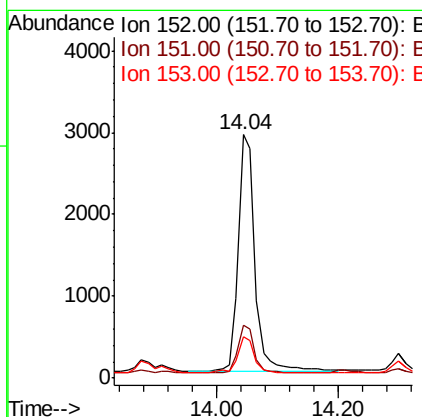
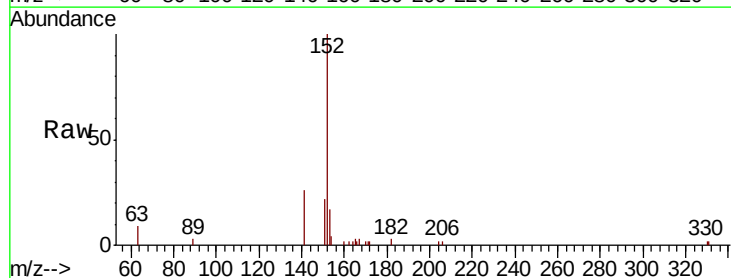
Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW007-030719DL

Tgt Ion:172 Resp: 2436  
Ion Ratio Lower Upper  
172 100  
171 39.1 28.7 43.1  
170 26.7 18.7 28.1

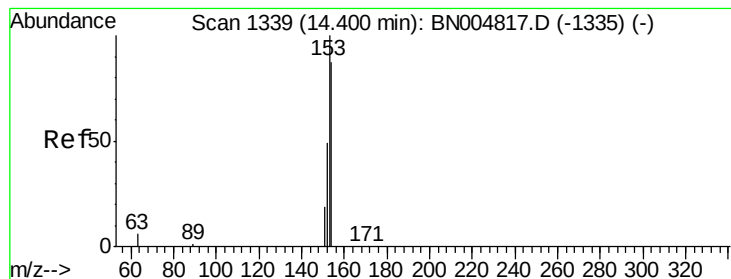


#16  
Acenaphthylene  
Concen: 0.141 ng  
RT: 14.04 min Scan# 1307  
Delta R.T. -0.02 min  
Lab File: BN004955.D  
Acq: 25 Mar 2019 11:49

Tgt Ion:152 Resp: 5502  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.1 24.1  
153 14.7 10.5 15.7







#17

Acenaphthene

Concen: 0.408 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

Instrument :

BNA\_N

ClientSampleId :

EXT-027-SW007-030719DL

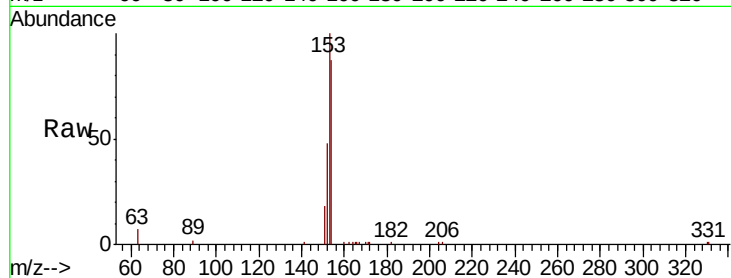
Tgt Ion:154 Resp: 10388

Ion Ratio Lower Upper

154 100

153 115.7 91.4 137.2

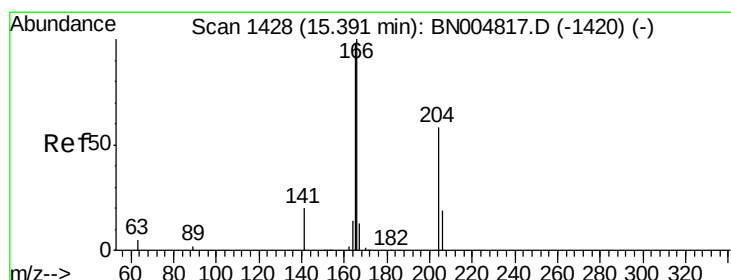
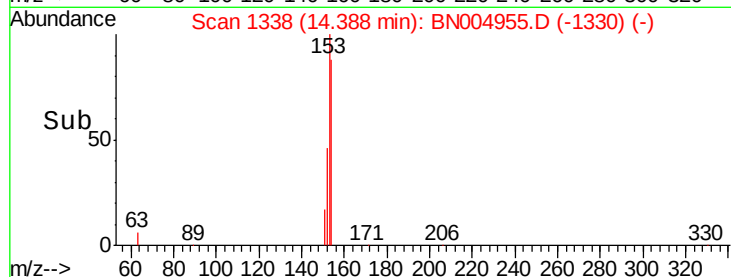
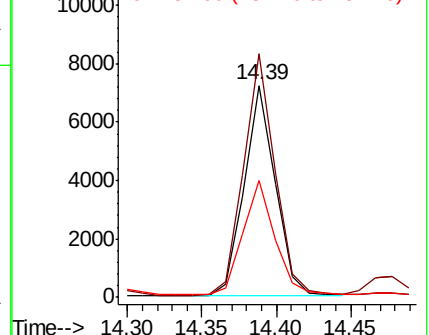
152 55.7 44.2 66.2



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: 0.347 ng

RT: 15.38 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

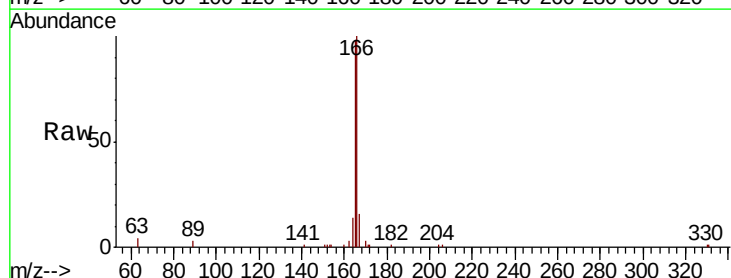
Tgt Ion:166 Resp: 12330

Ion Ratio Lower Upper

166 100

165 95.0 78.2 117.4

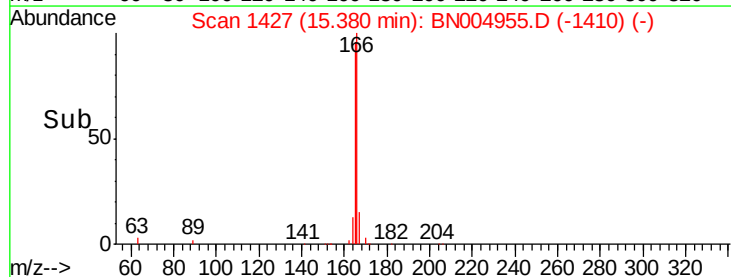
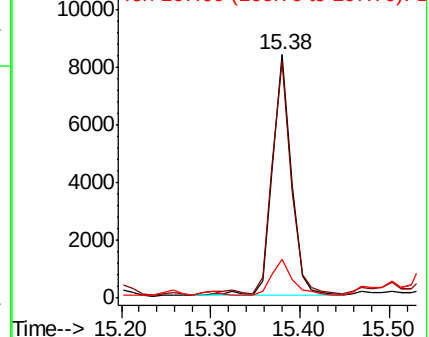
167 16.4 11.0 16.4

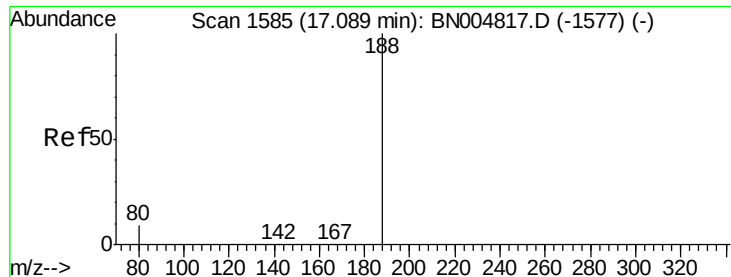


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

Instrument :

BNA\_N

ClientSampleId :

EXT-027-SW007-030719DL

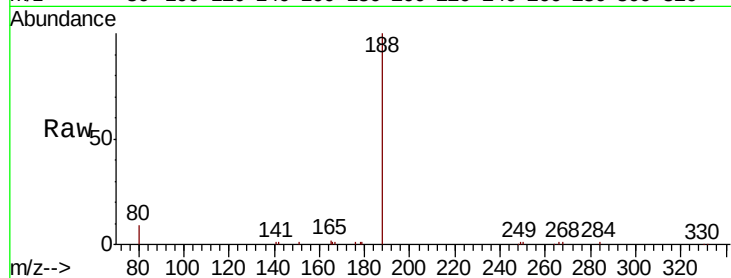
Tgt Ion:188 Resp: 15943

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

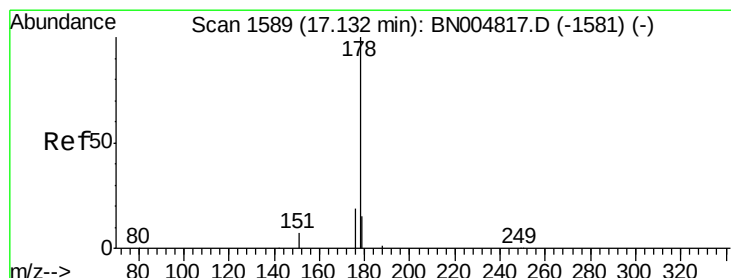
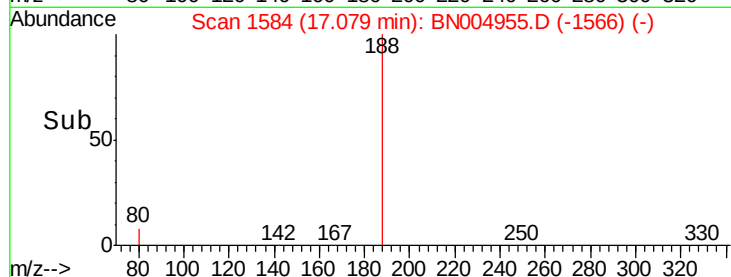
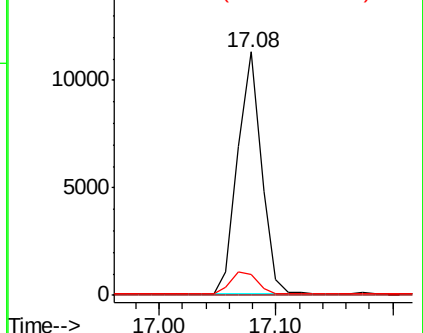
80 8.6 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#23

Phenanthrene

Concen: 3.683 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

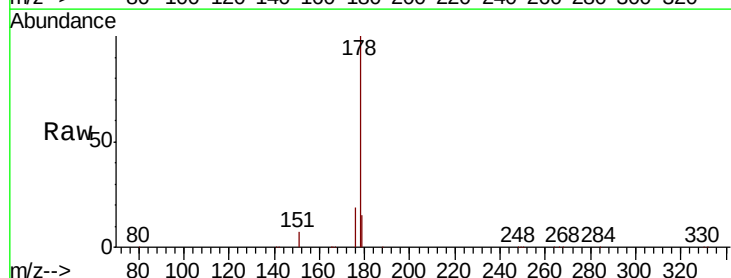
Tgt Ion:178 Resp: 189593

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

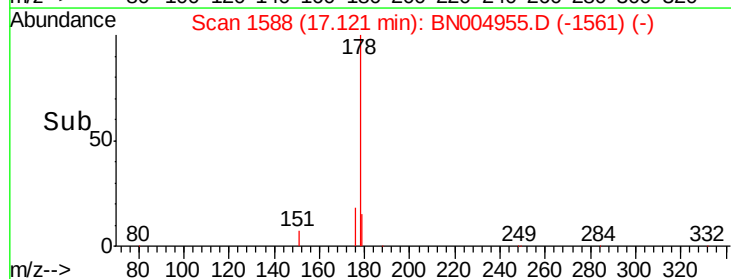
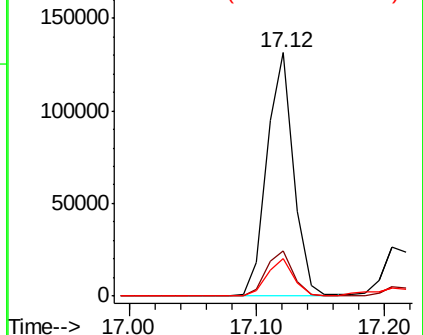
179 15.3 12.1 18.1

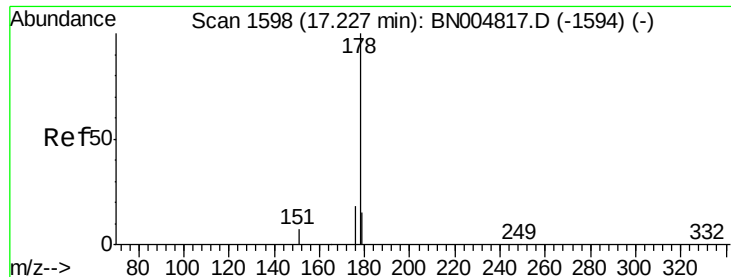


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.886 ng

RT: 17.21 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

Instrument :

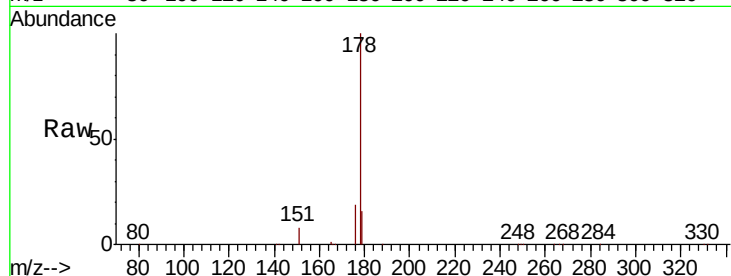
BNA\_N

ClientSampleId :

EXT-027-SW007-030719DL

Tgt Ion:178 Resp: 40719

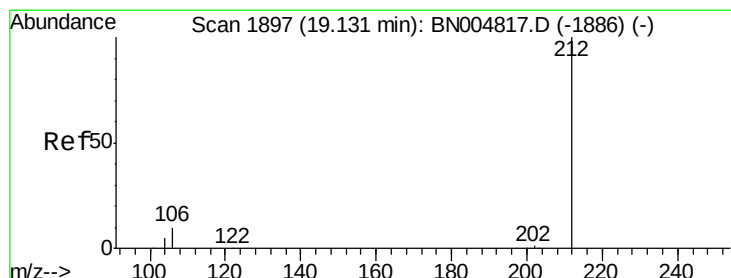
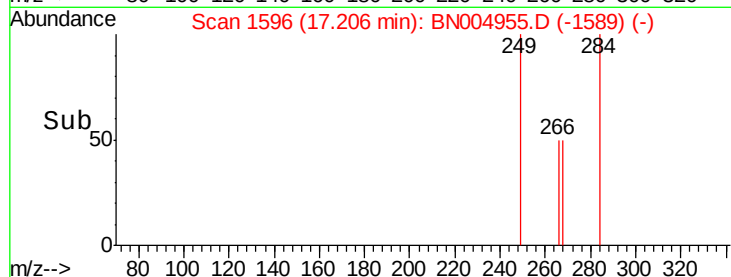
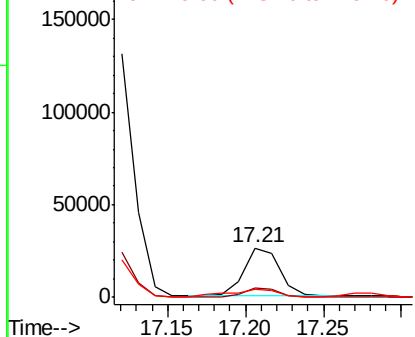
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.3  | 14.5  | 21.7  |
| 179 | 22.0  | 12.2  | 18.4# |



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: 0.060 ng

RT: 19.12 min Scan# 1894

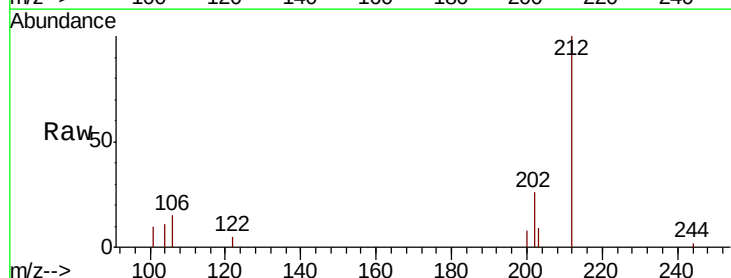
Delta R.T. -0.01 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

Tgt Ion:212 Resp: 3208

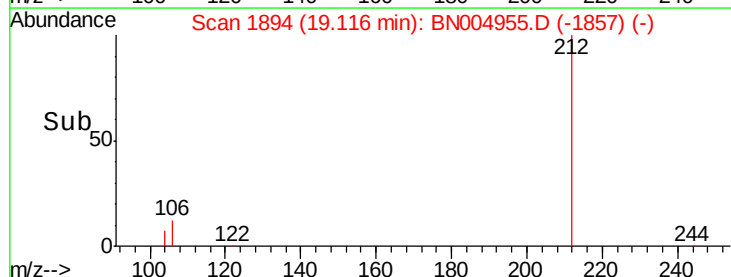
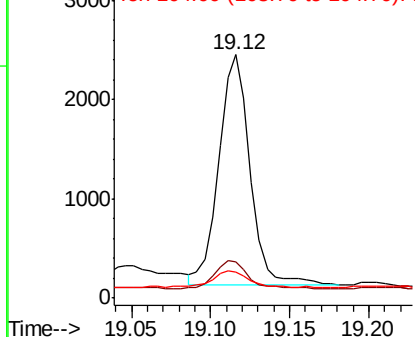
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 212 | 100   |       |       |
| 106 | 12.9  | 8.6   | 13.0  |
| 104 | 8.1   | 4.7   | 7.1#  |

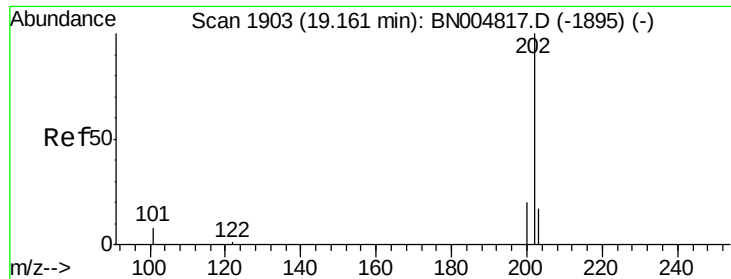


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

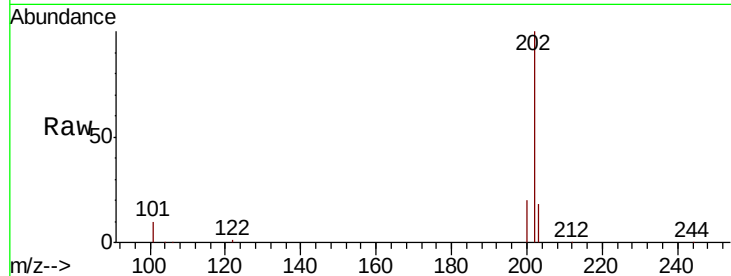




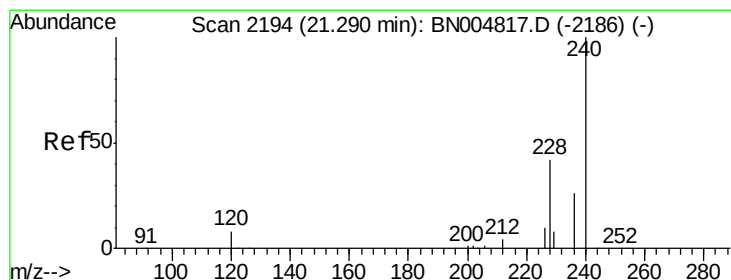
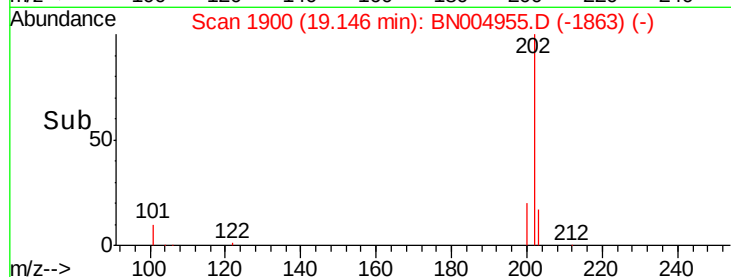
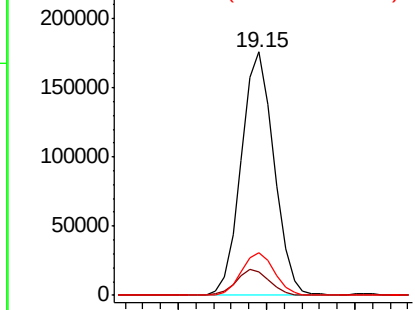
#26  
Fluoranthene  
Concen: 3.414 ng  
RT: 19.15 min Scan# 1900  
Delta R.T. -0.01 min  
Lab File: BN004955.D  
Acq: 25 Mar 2019 11:49

Instrument :  
BNA\_N  
ClientSampleId :  
EXT-027-SW007-030719DL

Tgt Ion: 202 Resp: 225874  
Ion Ratio Lower Upper  
202 100  
101 10.7 7.5 11.3  
203 17.5 13.8 20.6

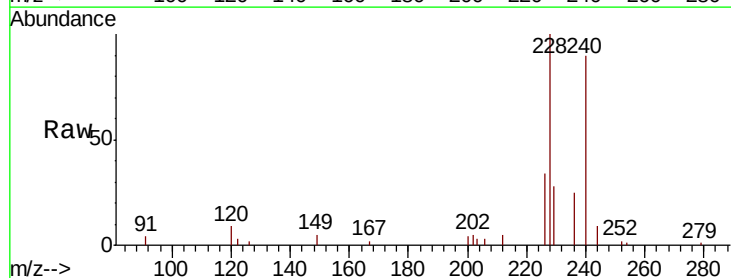


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E

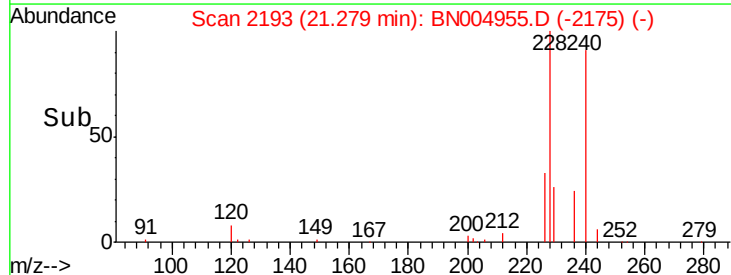
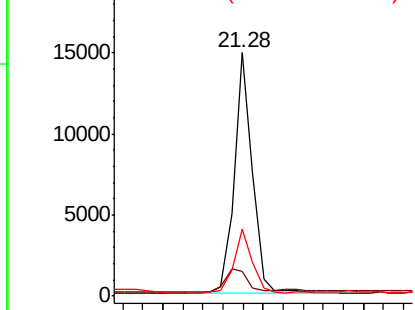


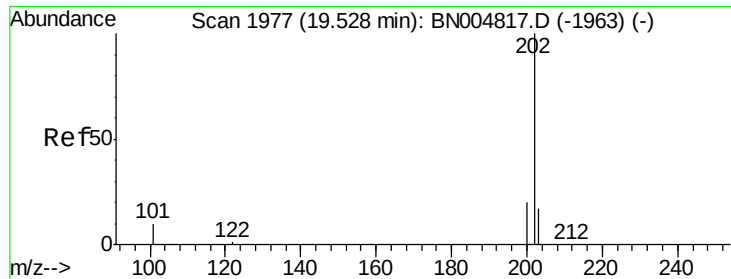
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.28 min Scan# 2193  
Delta R.T. -0.01 min  
Lab File: BN004955.D  
Acq: 25 Mar 2019 11:49

Tgt Ion: 240 Resp: 18497  
Ion Ratio Lower Upper  
240 100  
120 10.4 7.2 10.8  
236 27.6 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

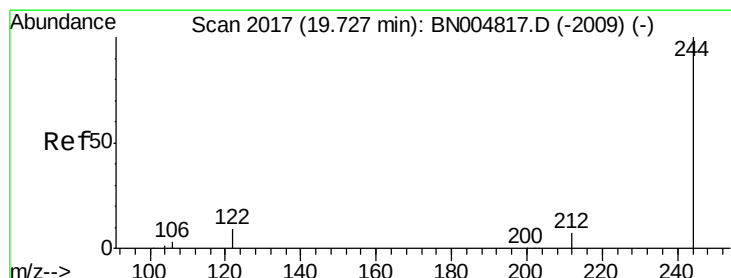
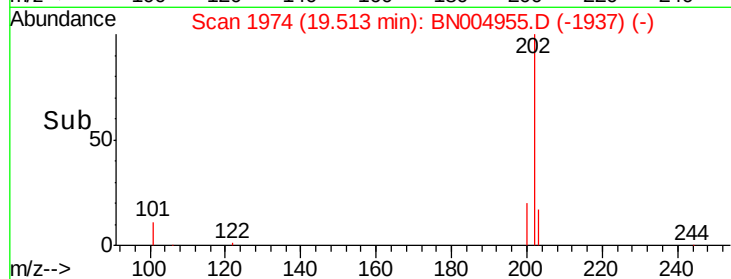
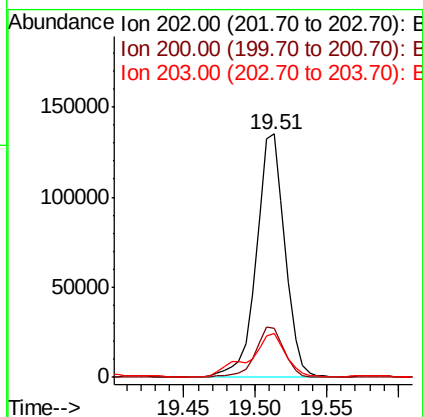
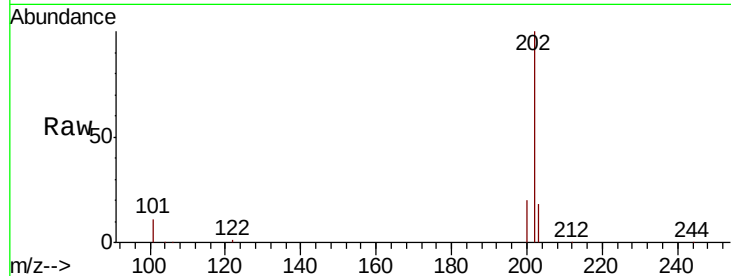




#28  
 Pyrene  
 Concen: 3.300 ng  
 RT: 19.51 min Scan# 1974  
 Delta R.T. -0.01 min  
 Lab File: BN004955.D  
 Acq: 25 Mar 2019 11:49

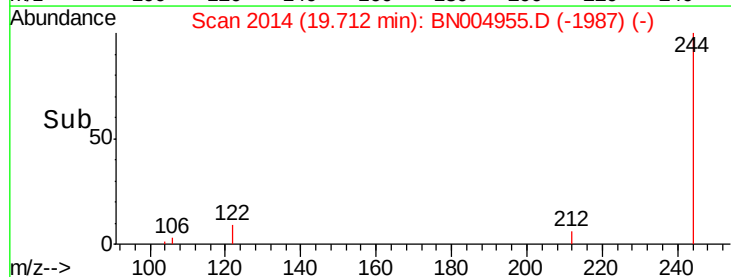
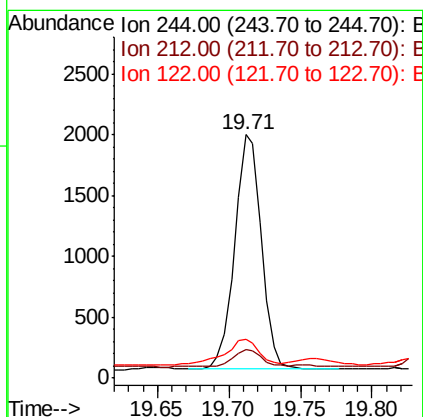
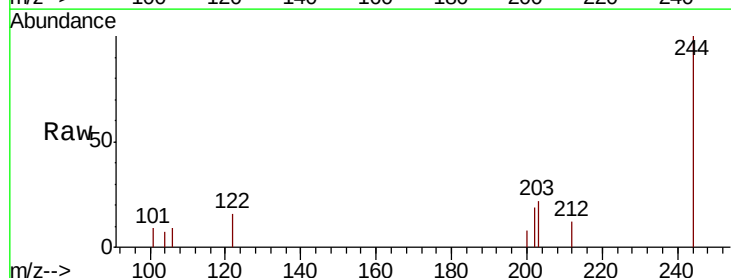
Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-027-SW007-030719DL

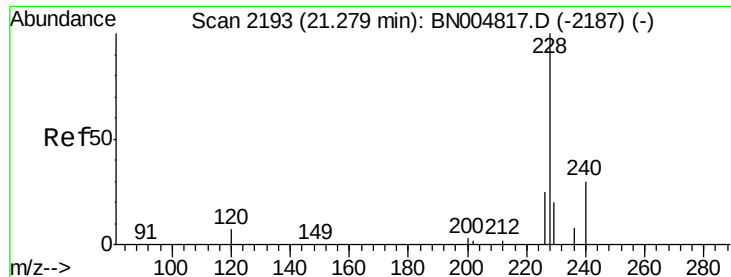
Tgt Ion: 202 Resp: 186113  
 Ion Ratio Lower Upper  
 202 100  
 200 20.8 16.3 24.5  
 203 23.0 14.0 21.0#



#29  
 Terphenyl-d14  
 Concen: 0.066 ng  
 RT: 19.71 min Scan# 2014  
 Delta R.T. -0.01 min  
 Lab File: BN004955.D  
 Acq: 25 Mar 2019 11:49

Tgt Ion: 244 Resp: 2513  
 Ion Ratio Lower Upper  
 244 100  
 212 11.7 5.8 8.6#  
 122 16.1 7.9 11.9#





#30

Benzo(a)anthracene

Concen: 2.046 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

Instrument :

BNA\_N

ClientSampleId :

EXT-027-SW007-030719DL

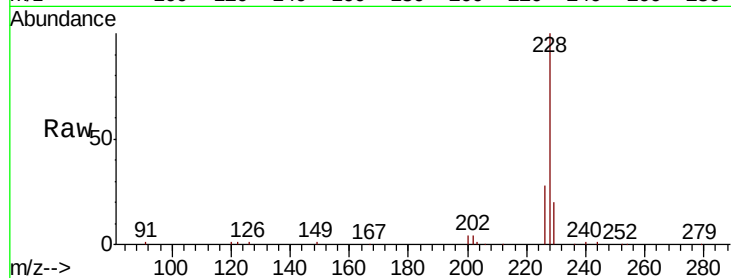
Tgt Ion:228 Resp: 124106

Ion Ratio Lower Upper

228 100

226 27.8 20.6 31.0

229 20.1 16.2 24.4

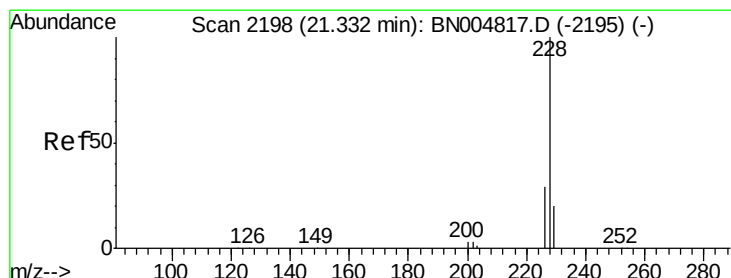
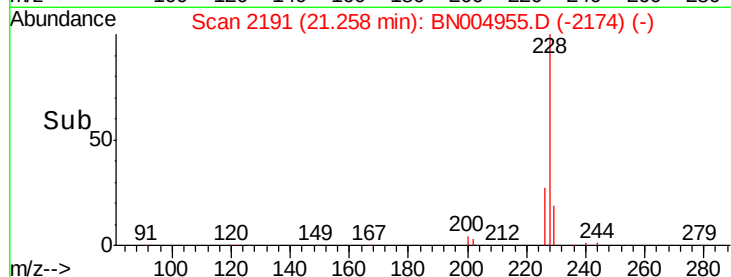
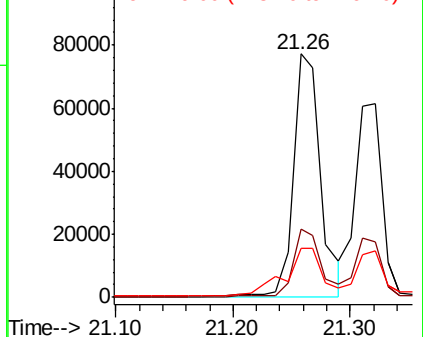


Abundance

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: 1.345 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.07 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

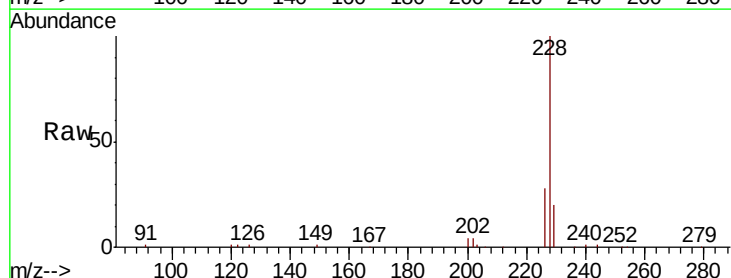
Tgt Ion:228 Resp: 85911

Ion Ratio Lower Upper

228 100

226 27.8 23.0 34.6

229 20.1 16.2 24.2

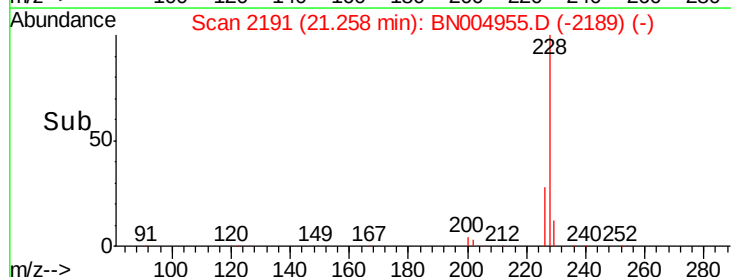
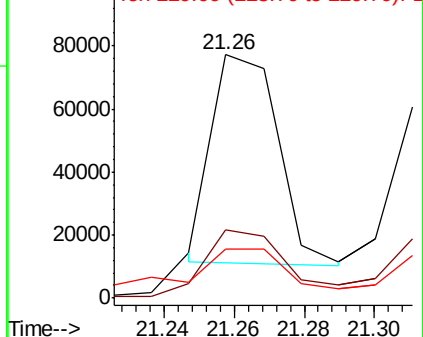


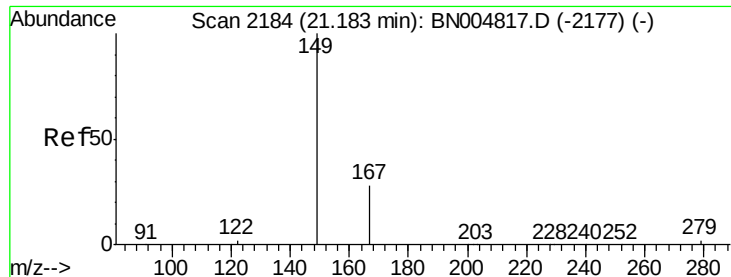
Abundance

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: 0.067 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

Instrument :

BNA\_N

ClientSampleId :

EXT-027-SW007-030719DL

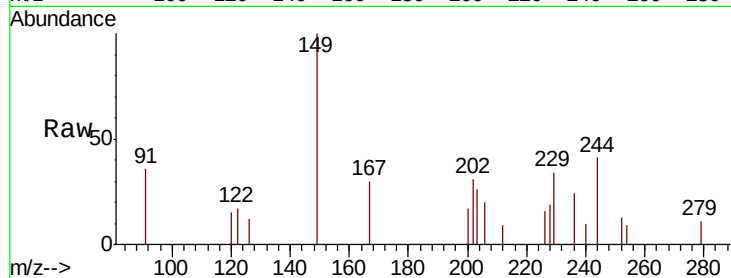
Tgt Ion:149 Resp: 1634

Ion Ratio Lower Upper

149 100

167 27.9 23.0 34.4

279 6.9 4.6 6.8#

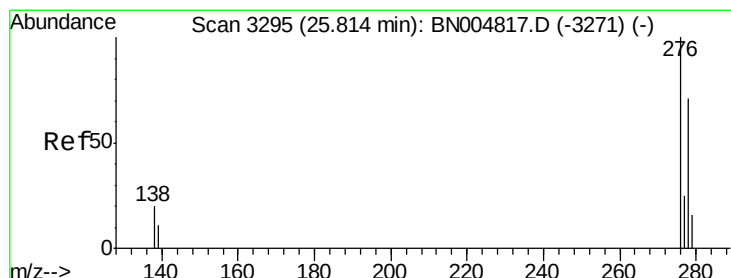
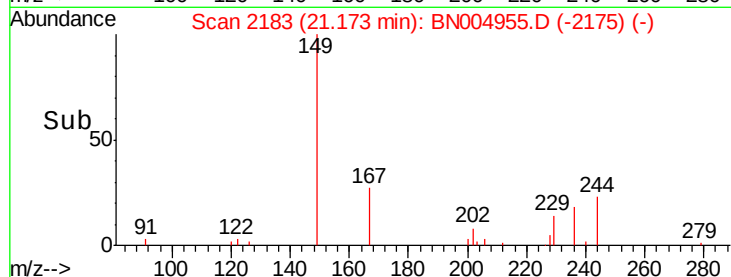
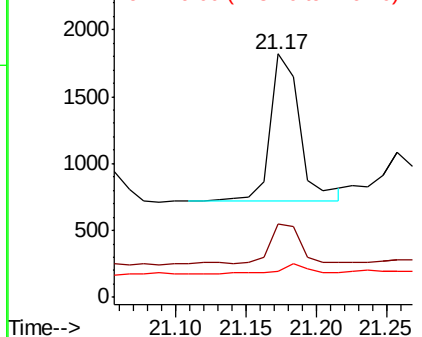


Abundance

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: 0.520 ng

RT: 25.79 min Scan# 3289

Delta R.T. -0.02 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

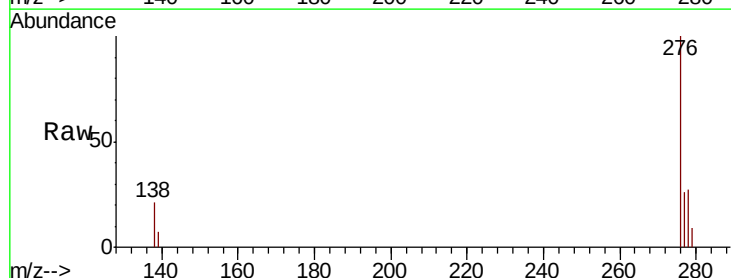
Tgt Ion:276 Resp: 48086

Ion Ratio Lower Upper

276 100

138 20.7 16.6 24.8

277 25.3 20.3 30.5

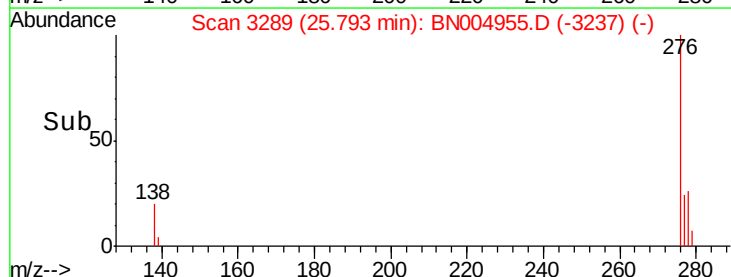
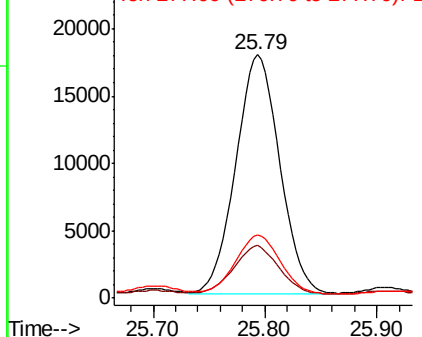


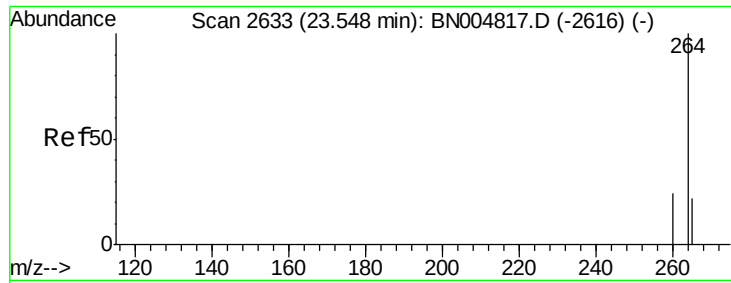
Abundance

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

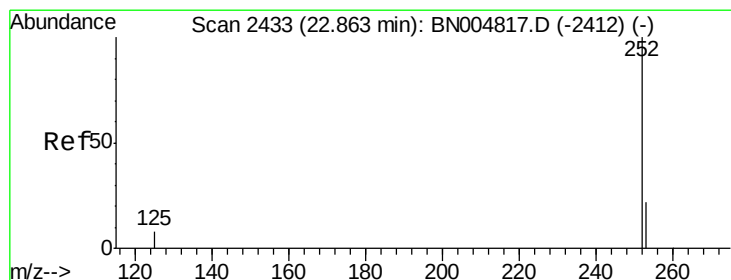
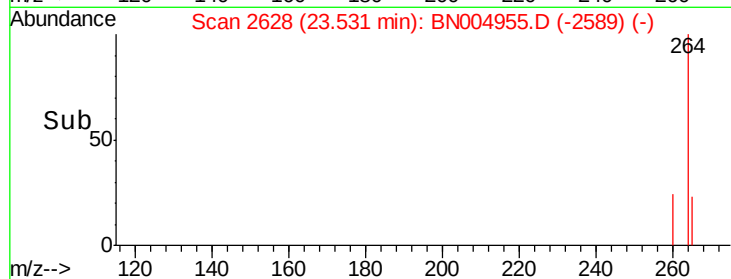
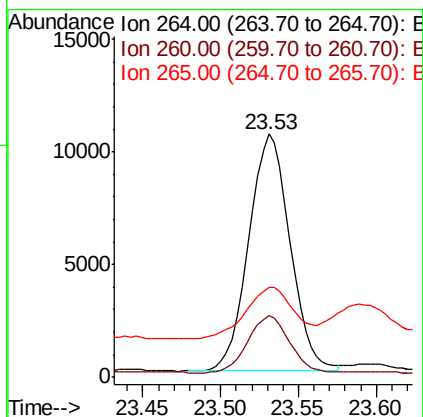
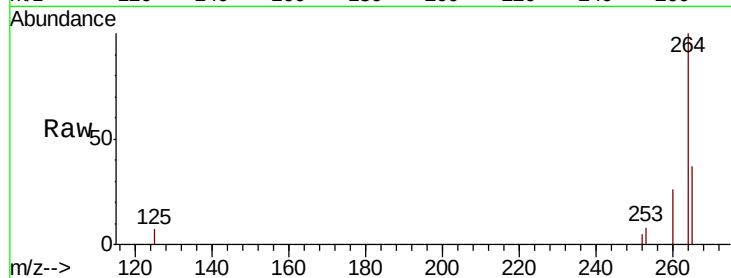




#34  
**Perylene-d12**  
 Concen: 0.400 ng  
 RT: 23.53 min Scan# 2628  
 Delta R.T. -0.02 min  
 Lab File: BN004955.D  
 Acq: 25 Mar 2019 11:49

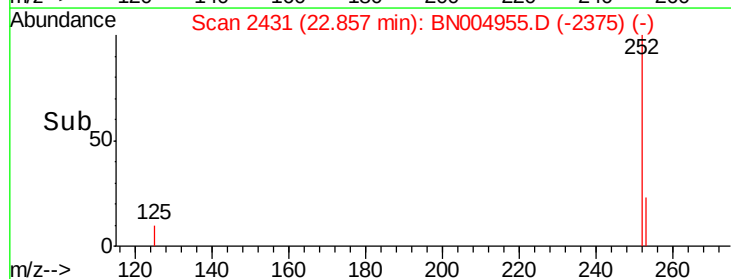
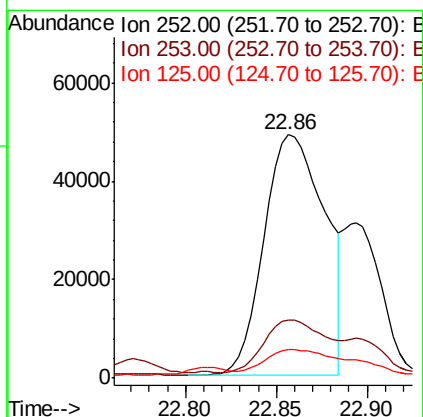
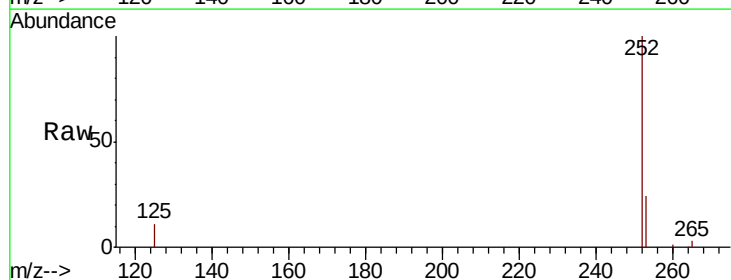
Instrument :  
 BNA\_N  
 ClientSampleId :  
 EXT-027-SW007-030719DL

Tgt Ion: 264 Resp: 19442  
 Ion Ratio Lower Upper  
 264 100  
 260 25.5 19.5 29.3  
 265 37.2 23.1 34.7#

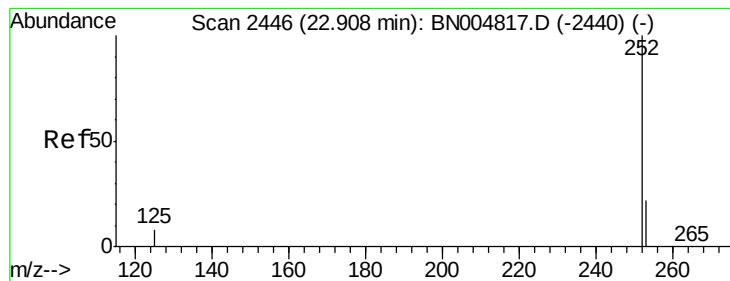


#35  
**Benzo(b)fluoranthene**  
 Concen: 1.609 ng  
 RT: 22.86 min Scan# 2431  
 Delta R.T. -0.01 min  
 Lab File: BN004955.D  
 Acq: 25 Mar 2019 11:49

Tgt Ion: 252 Resp: 113194  
 Ion Ratio Lower Upper  
 252 100  
 253 24.0 19.0 28.4  
 125 11.5 7.4 11.2#







#36

Benzo(k)fluoranthene

Concen: 1.636 ng

RT: 22.86 min Scan# 2431

Delta R.T. -0.05 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

Instrument :

BNA\_N

ClientSampleId :

EXT-027-SW007-030719DL

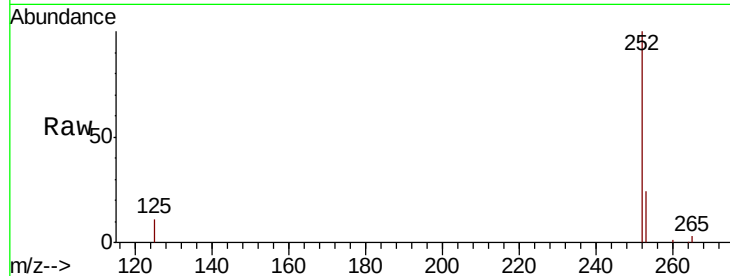
Tgt Ion:252 Resp: 113194

Ion Ratio Lower Upper

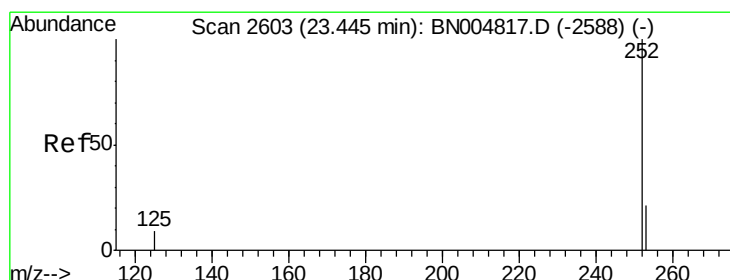
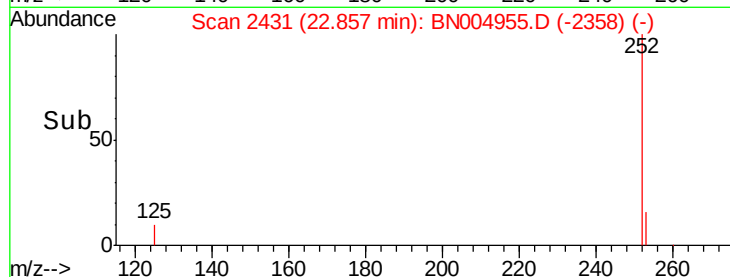
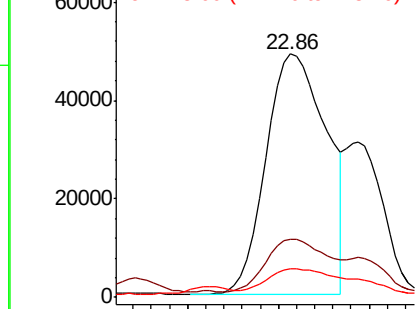
252 100

253 24.0 19.3 28.9

125 11.5 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: 1.324 ng

RT: 23.43 min Scan# 2599

Delta R.T. -0.01 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

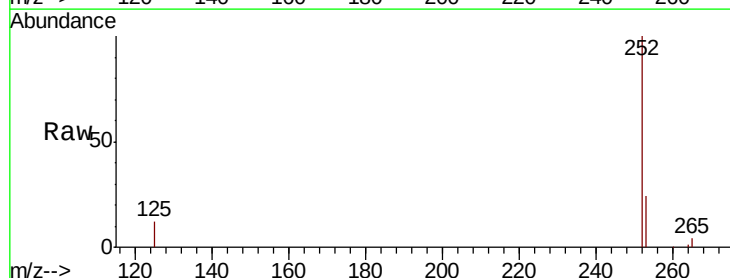
Tgt Ion:252 Resp: 85452

Ion Ratio Lower Upper

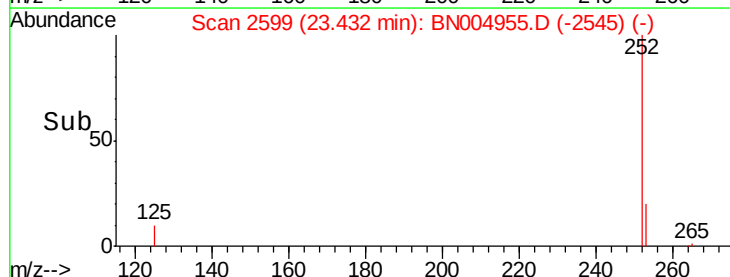
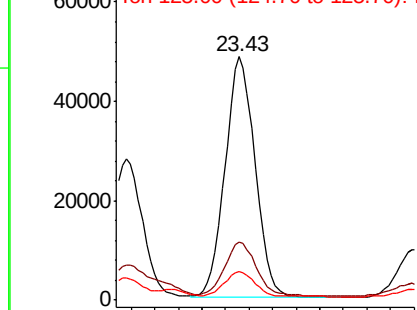
252 100

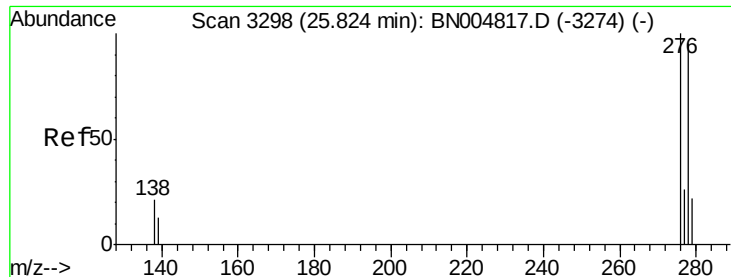
253 24.0 19.7 29.5

125 11.8 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: 0.215 ng

RT: 25.80 min Scan# 3290

Delta R.T. -0.03 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

Instrument :

BNA\_N

ClientSampleId :

EXT-027-SW007-030719DL

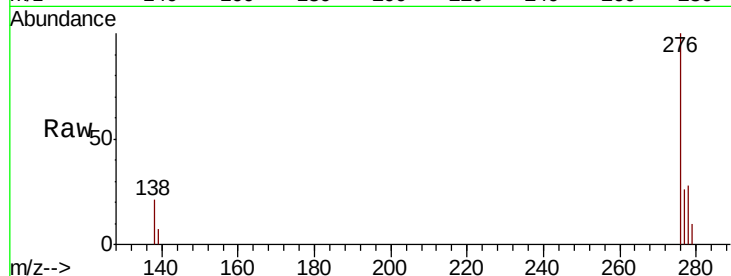
Tgt Ion: 278 Resp: 16059

Ion Ratio Lower Upper

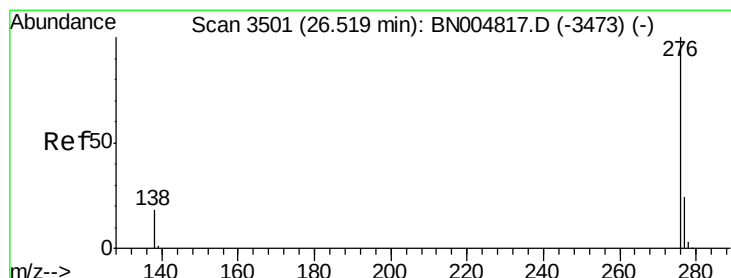
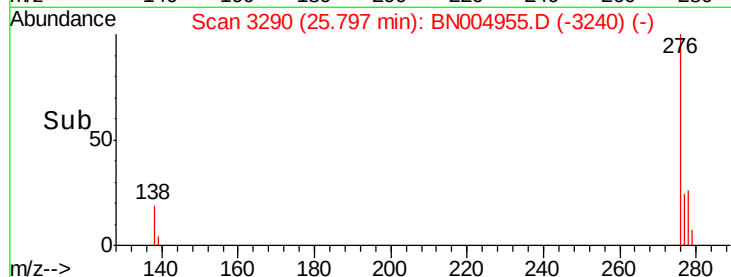
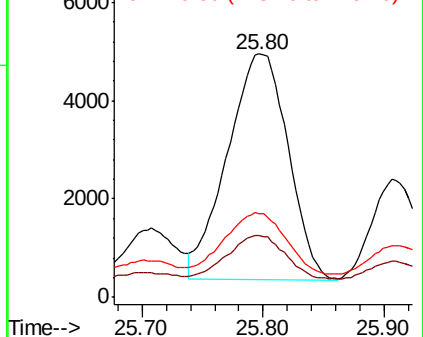
278 100

139 25.2 11.7 17.5#

279 34.3 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: 0.533 ng

RT: 26.49 min Scan# 3493

Delta R.T. -0.03 min

Lab File: BN004955.D

Acq: 25 Mar 2019 11:49

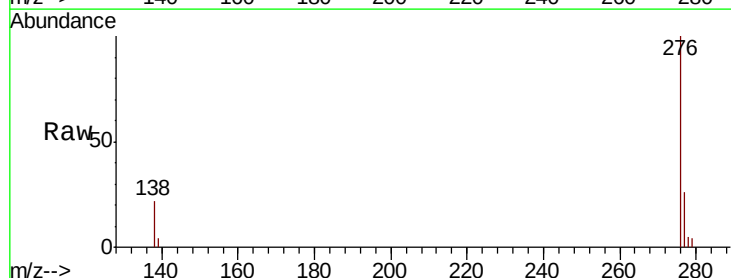
Tgt Ion: 276 Resp: 40600

Ion Ratio Lower Upper

276 100

277 25.7 19.7 29.5

138 22.0 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

