

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090819\  
 Data File : BN007568.D  
 Acq On : 09 Sep 2019 01:49  
 Operator : HP/JU  
 Sample : K4762-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Sep 09 04:48:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 29 12:18:45 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 7086     | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.14 | 136  | 38319    | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.03 | 164  | 33946    | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 16.78 | 188  | 31413    | 0.40 | ng    | -0.02    |
| 27) Chrysene-d12          | 21.00 | 240  | 30396    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.11 | 264  | 35670    | 0.40 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.02  | 112  | 8147     | 0.33 | ng    | -0.02    |
| 5) Phenol-d6                | 6.58  | 99   | 10808    | 0.34 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.52  | 82   | 12938    | 0.39 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10 | 11.75 | 152  | 23159    | 0.36 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol    | 15.54 | 330  | 2629     | 0.15 | ng    | -0.02    |
| 15) 2-Fluorobiphenyl        | 12.65 | 172  | 16820    | 0.12 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.83 | 212  | 31958    | 0.32 | ng    | -0.02    |
| 29) Terphenyl-d14           | 19.45 | 244  | 18838    | 0.24 | ng    | -0.02    |

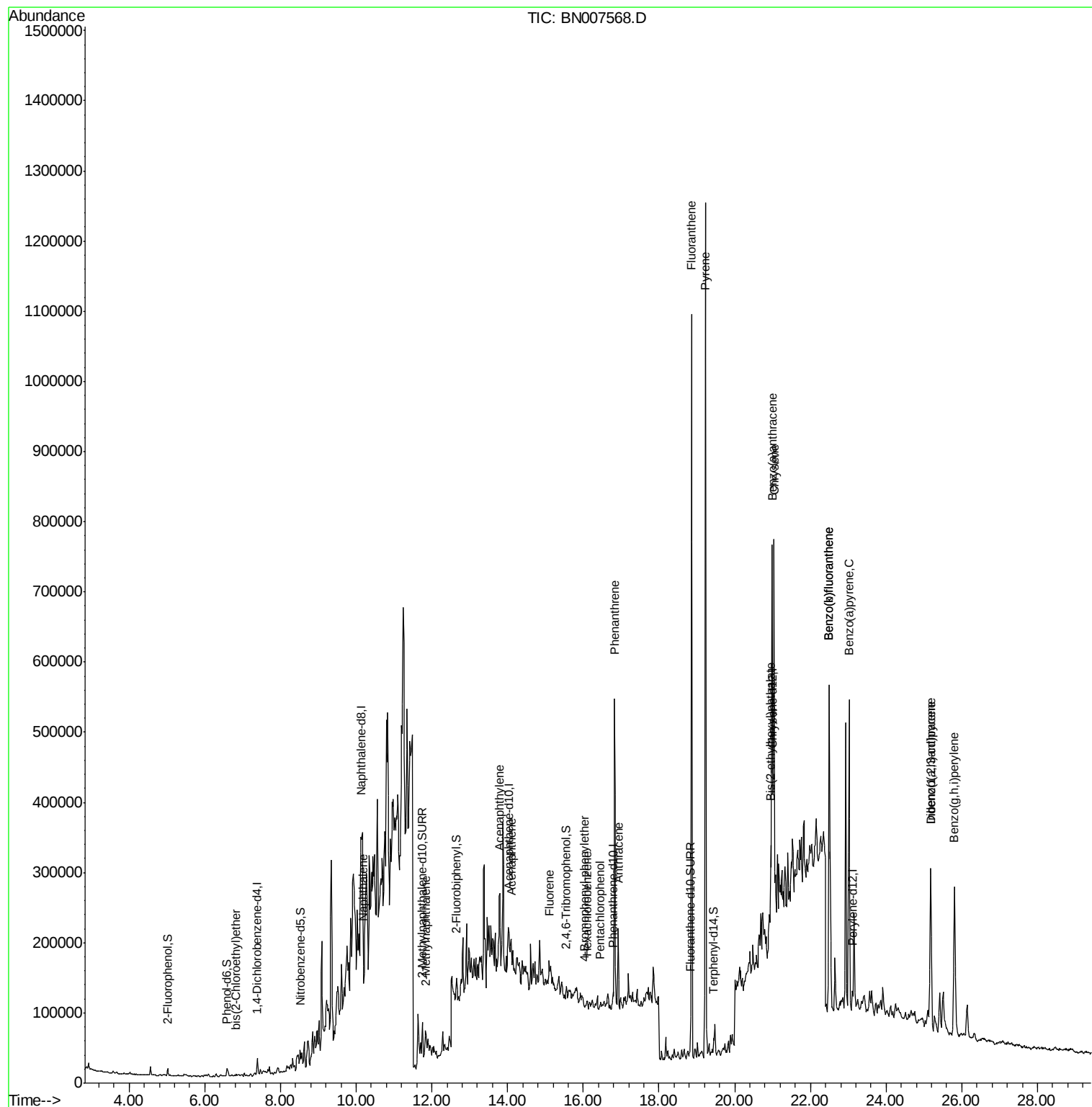
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 6) bis(2-Chloroethyl)ether     | 6.83  | 93   | 3620     | 0.141 | ng    | # 73   |
| 9) Naphthalene                 | 10.19 | 128  | 14548    | 0.133 | ng    | # 85   |
| 12) 2-Methylnaphthalene        | 11.82 | 142  | 9866     | 0.132 | ng    | # 24   |
| 16) Acenaphthylene             | 13.78 | 152  | 124525   | 0.620 | ng    | # 58   |
| 17) Acenaphthene               | 14.10 | 154  | 29109    | 0.248 | ng    | # 86   |
| 18) Fluorene                   | 15.09 | 166  | 36876    | 0.248 | ng    | # 67   |
| 20) 4-Bromophenyl-phenylether  | 16.03 | 248  | 8347     | 0.674 | ng    | # 1    |
| 21) Hexachlorobenzene          | 16.10 | 284  | 1423     | 0.068 | ng    | # 1    |
| 22) Pentachlorophenol          | 16.45 | 266  | 606      | 0.093 | ng    | # 1    |
| 23) Phenanthrene               | 16.83 | 178  | 430804   | 4.559 | ng    | # 94   |
| 24) Anthracene                 | 16.92 | 178  | 115005   | 1.210 | ng    | # 93   |
| 26) Fluoranthene               | 18.86 | 202  | 956104   | 7.881 | ng    | # 98   |
| 28) Pyrene                     | 19.23 | 202  | 1122296  | 9.179 | ng    | # 97   |
| 30) Benzo(a)anthracene         | 20.99 | 228  | 545157   | 4.567 | ng    | # 87   |
| 31) Chrysene                   | 21.04 | 228  | 524673   | 4.554 | ng    | # 90   |
| 32) Bis(2-ethylhexyl)phthalate | 20.95 | 149  | 72238    | 0.916 | ng    | # 97   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.18 | 276  | 335549   | 2.417 | ng    | # 99   |
| 35) Benzo(b)fluoranthene       | 22.49 | 252  | 701718   | 5.430 | ng    | # 90   |
| 36) Benzo(k)fluoranthene       | 22.49 | 252  | 701718   | 5.494 | ng    | # 93   |
| 37) Benzo(a)pyrene             | 23.02 | 252  | 580426   | 4.719 | ng    | # 92   |
| 38) Dibenzo(a,h)anthracene     | 25.18 | 278  | 103978   | 0.847 | ng    | # 30   |
| 39) Benzo(g,h,i)perylene       | 25.81 | 276  | 425616   | 3.481 | ng    | # 90   |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090819\  
Data File : BN007568.D  
Acq On : 09 Sep 2019 01:49  
Operator : HP/JU  
Sample : K4762-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

Quant Time: Sep 09 04:48:51 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 29 12:18:45 2019  
Response via : Initial Calibration



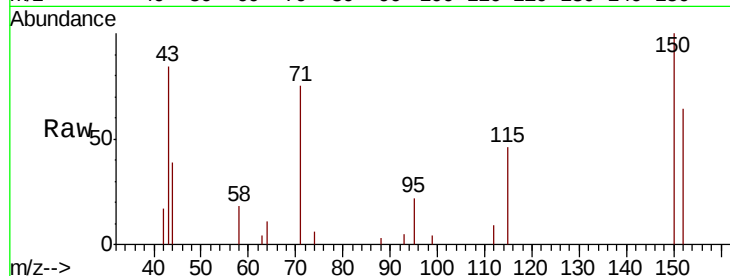


#1

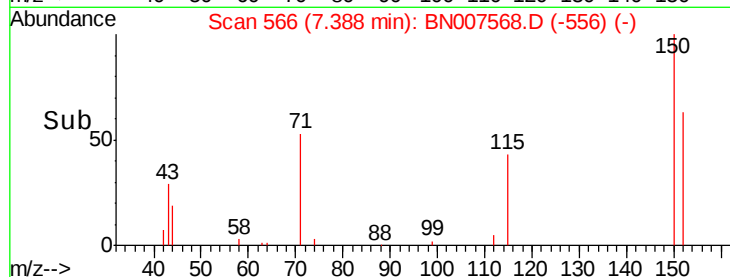
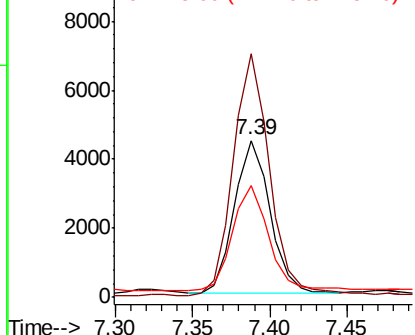
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.39 min Scan# 566  
Delta R.T. -0.02 min  
Lab File: BN007568.D  
Acq: 09 Sep 2019 01:49

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 7086  
Ion Ratio Lower Upper  
152 100  
150 155.3 109.1 163.7  
115 71.4 59.6 89.4



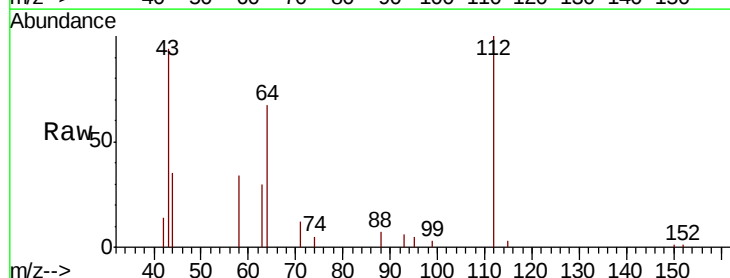
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



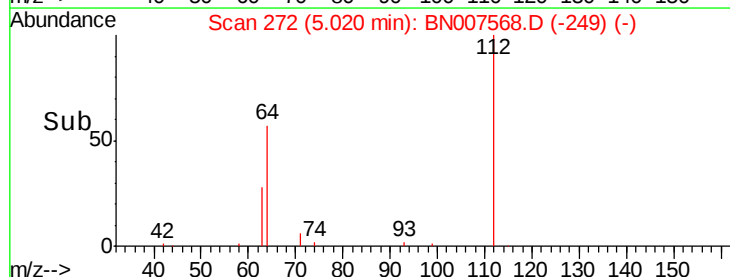
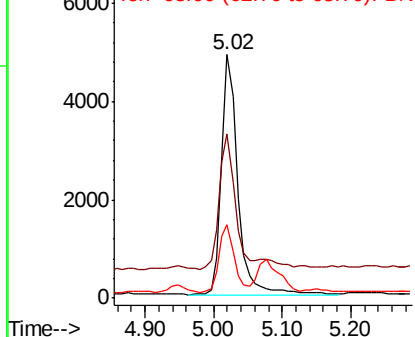
#4

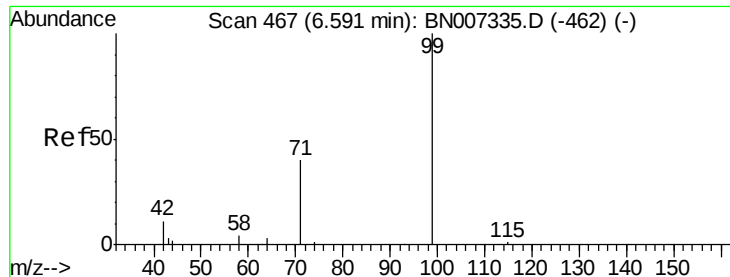
2-Fluorophenol  
Concen: 0.326 ng  
RT: 5.02 min Scan# 272  
Delta R.T. -0.02 min  
Lab File: BN007568.D  
Acq: 09 Sep 2019 01:49

Tgt Ion:112 Resp: 8147  
Ion Ratio Lower Upper  
112 100  
64 54.4 42.3 63.5  
63 26.1 23.6 35.4



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: 0.341 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007568.D

Acq: 09 Sep 2019 01:49

Instrument :

BNA\_N

ClientSampled :

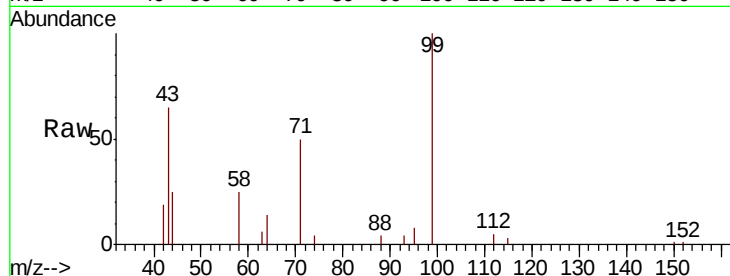
Tot Ion: 99 Resp: 10808

Ion Ratio Lower Upper

99 100

42 19.3 11.2 16.8#

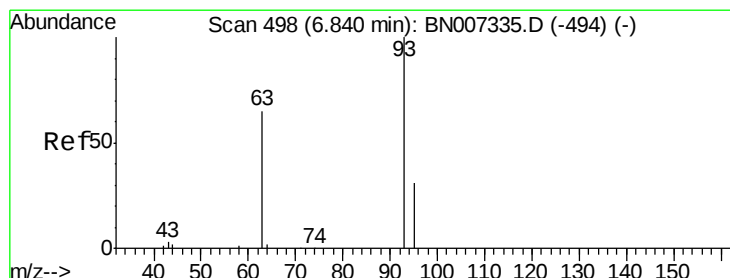
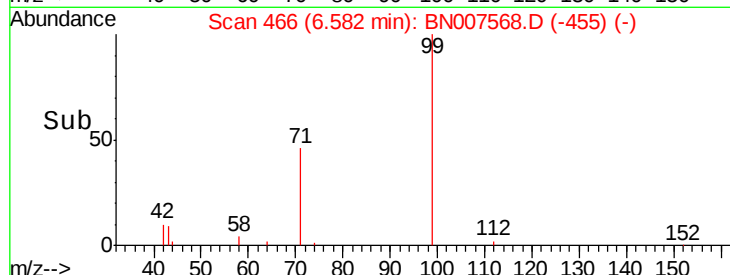
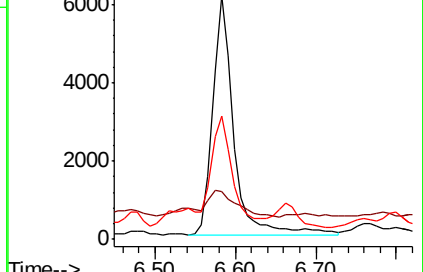
71 57.8 31.8 47.8#



Abundance Ion 99.00 (98.70 to 99.70): BN007335.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007335.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007335.D (-462) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.141 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007568.D

Acq: 09 Sep 2019 01:49

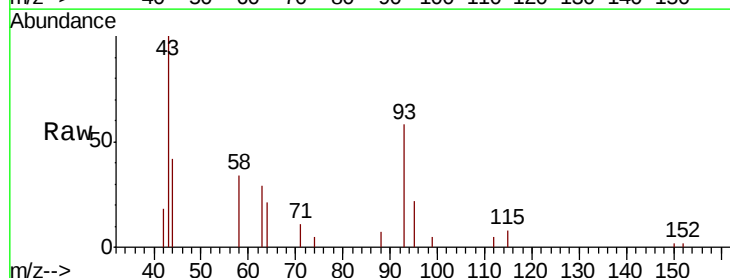
Tgt Ion: 93 Resp: 3620

Ion Ratio Lower Upper

93 100

63 51.2 51.9 77.9#

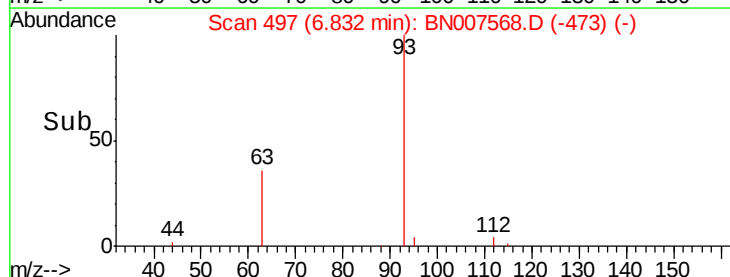
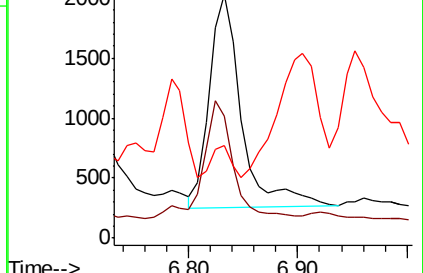
95 8.8 27.7 41.5#

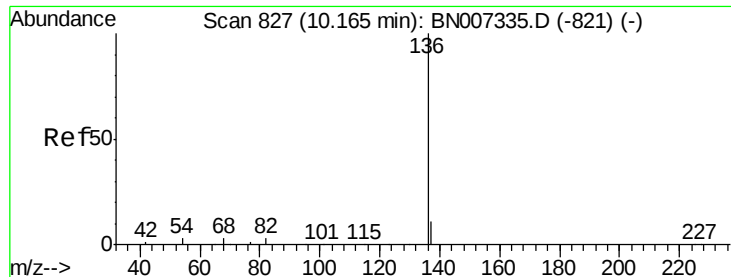


Abundance Ion 93.00 (92.70 to 93.70): BN007335.D (-494) (-)

Ion 63.00 (62.70 to 63.70): BN007335.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN007335.D (-494) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 825

Delta R.T. -0.03 min

Lab File: BN007568.D

Acq: 09 Sep 2019 01:49

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:136 Resp: 38319

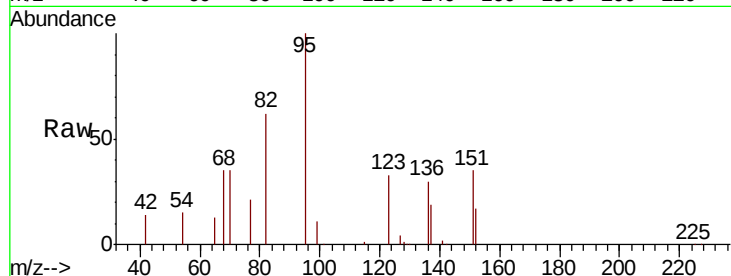
Ion Ratio Lower Upper

136 100

137 64.8 12.9 19.3#

54 51.7 8.6 12.8#

68 119.4 17.0 25.4#



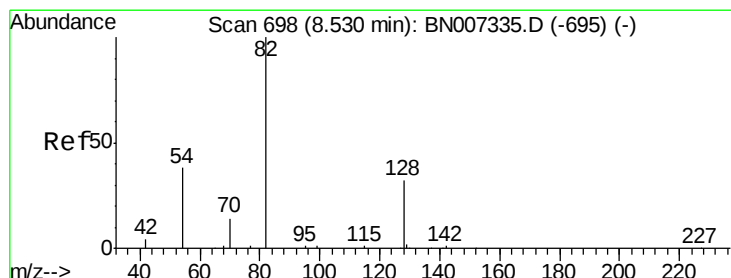
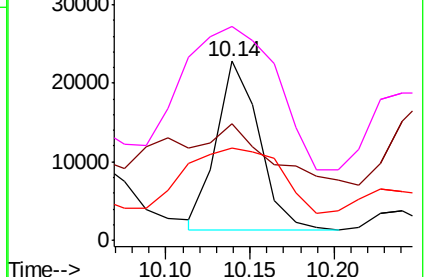
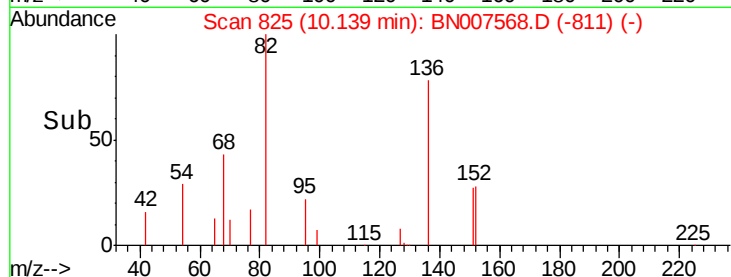
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.388 ng

RT: 8.52 min Scan# 697

Delta R.T. -0.01 min

Lab File: BN007568.D

Acq: 09 Sep 2019 01:49

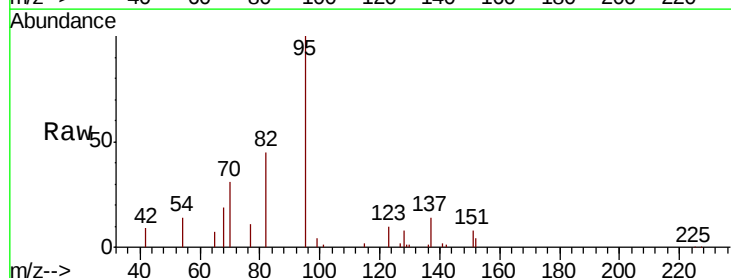
Tgt Ion: 82 Resp: 12938

Ion Ratio Lower Upper

82 100

128 16.8 19.7 29.5#

54 30.3 25.8 38.6

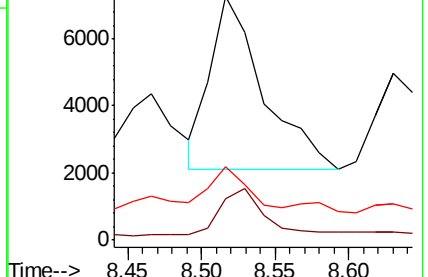
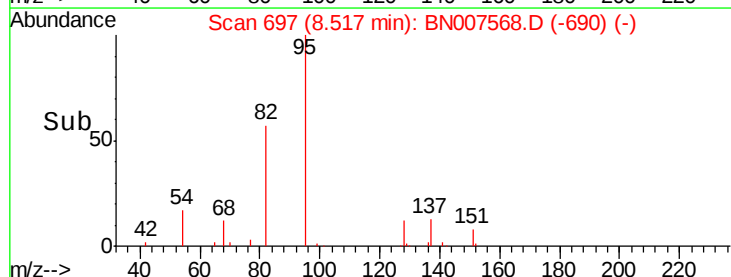


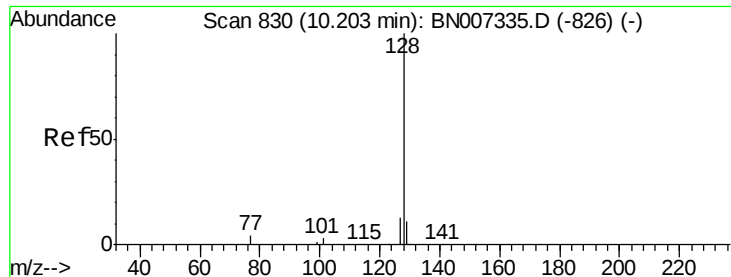
Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

Time-->





#9

Naphthalene

Concen: 0.133 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN007568.D

Acq: 09 Sep 2019 01:49

Instrument :

BNA\_N

ClientSampleId :

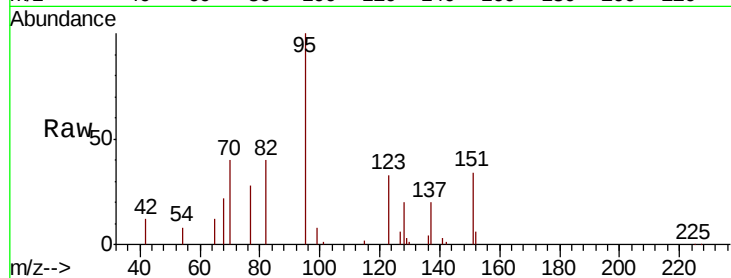
Tot Ion:128 Resp: 14548

Ion Ratio Lower Upper

128 100

129 13.3 11.1 16.7

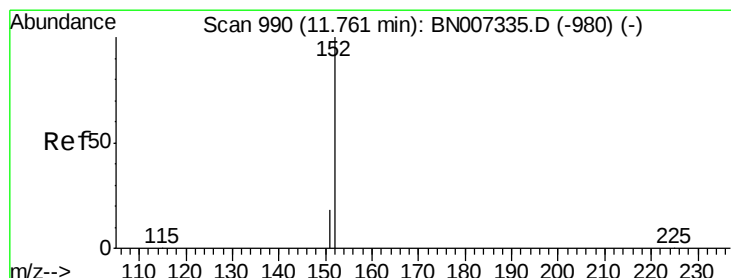
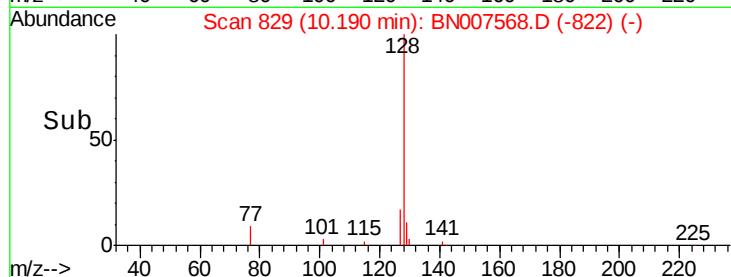
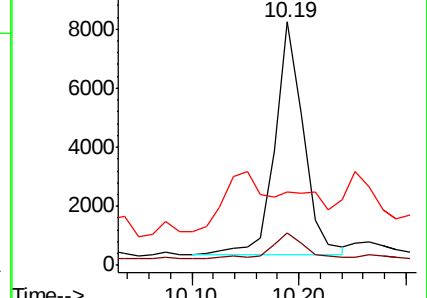
127 30.3 15.5 23.3#



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



#11

2-Methylnaphthalene-d10

Concen: 0.364 ng

RT: 11.75 min Scan# 987

Delta R.T. -0.01 min

Lab File: BN007568.D

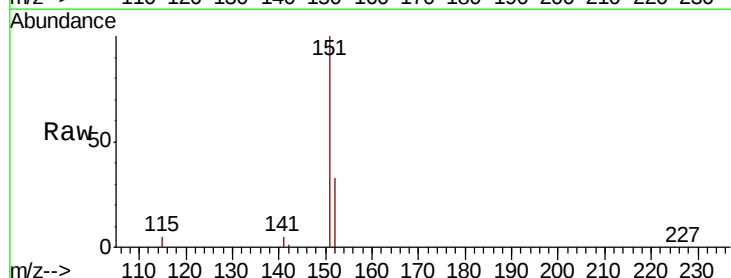
Acq: 09 Sep 2019 01:49

Tgt Ion:152 Resp: 23159

Ion Ratio Lower Upper

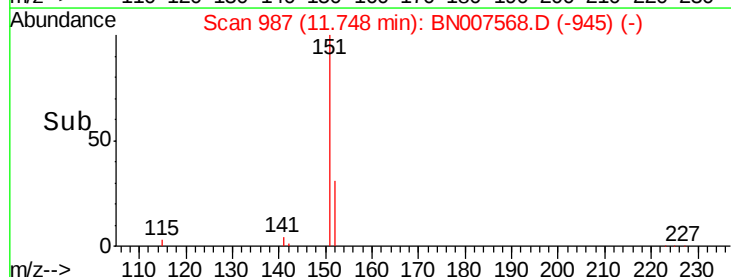
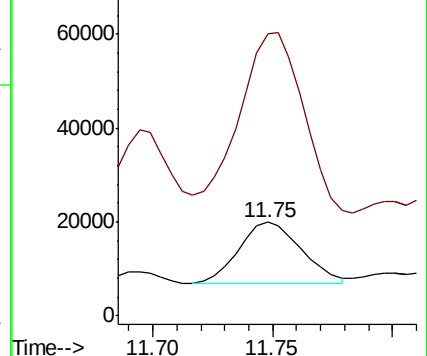
152 100

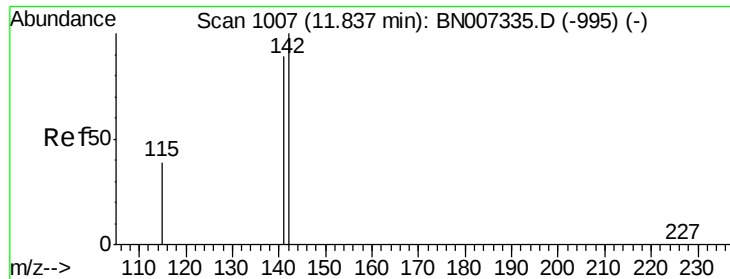
151 338.8 16.2 24.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.132 ng

RT: 11.82 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BN007568.D

Acq: 09 Sep 2019 01:49

Instrument :

BNA\_N

ClientSampleId :

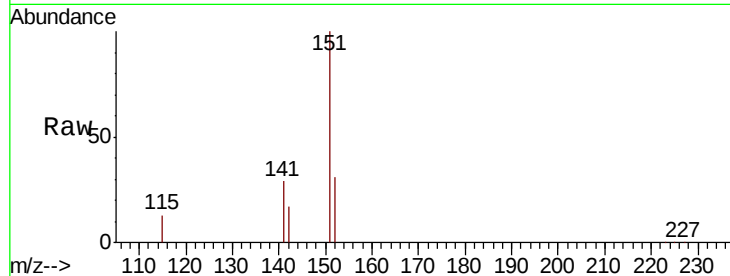
Tot Ion:142 Resp: 9866

Ion Ratio Lower Upper

142 100

141 175.3 72.8 109.2#

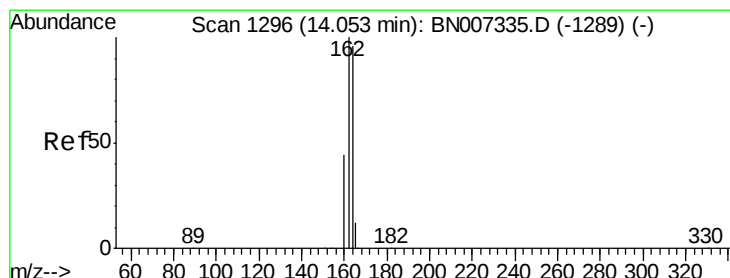
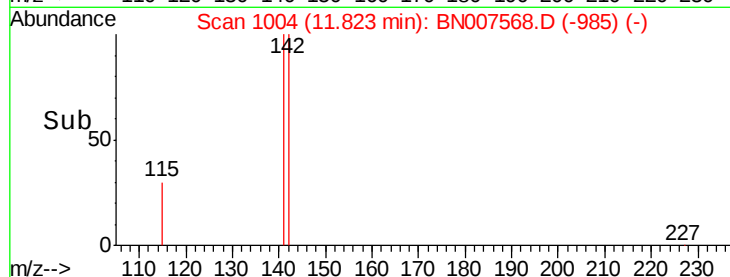
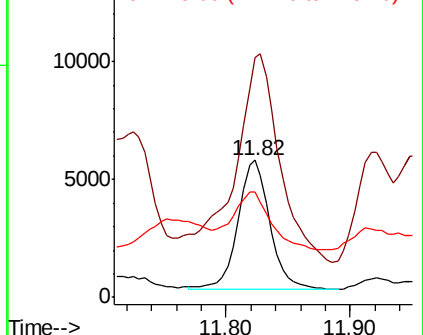
115 76.7 35.2 52.8#



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



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007568.D

Acq: 09 Sep 2019 01:49

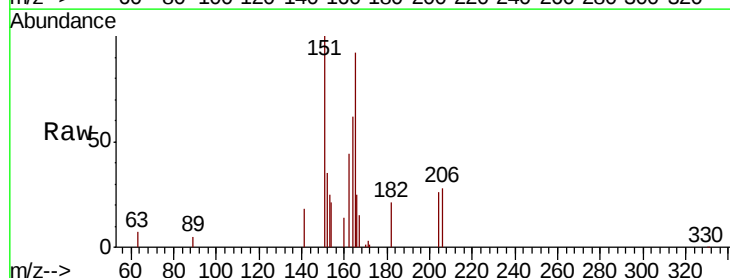
Tgt Ion:164 Resp: 33946

Ion Ratio Lower Upper

164 100

162 71.5 83.5 125.3#

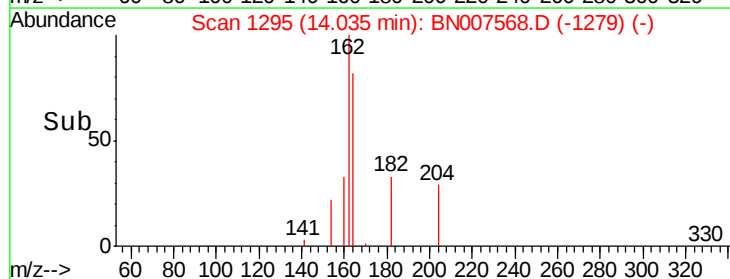
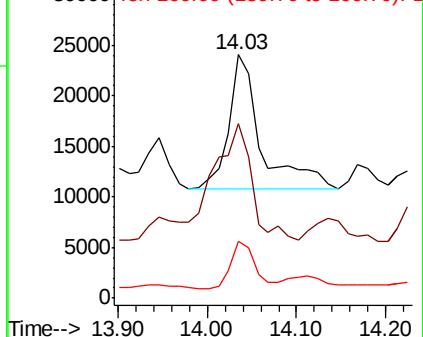
160 23.5 38.2 57.4#

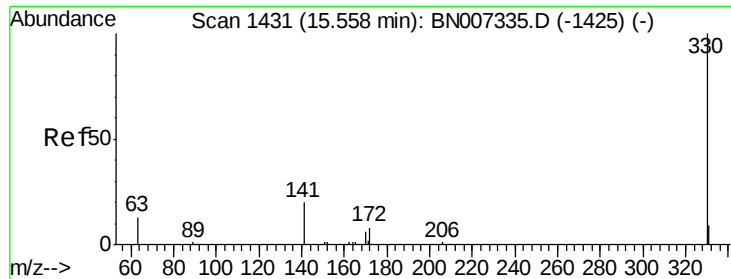


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

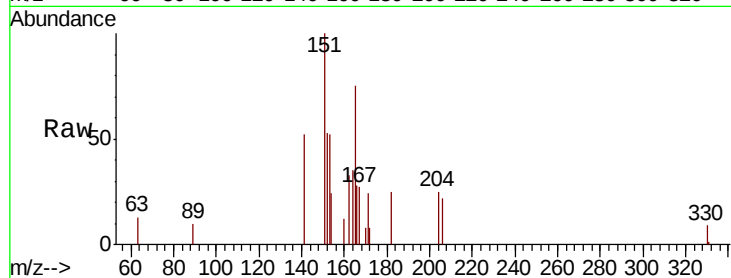




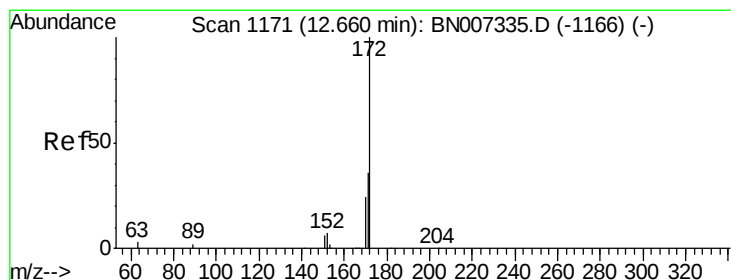
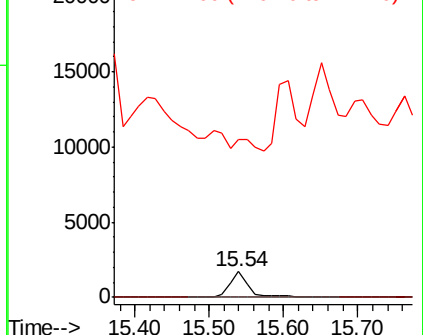
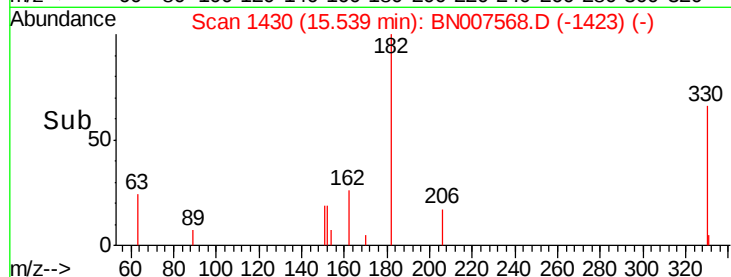
#14  
2,4,6-Tribromophenol  
Concen: 0.148 ng  
RT: 15.54 min Scan# 1430  
Delta R.T. -0.02 min  
Lab File: BN007568.D  
Acq: 09 Sep 2019 01:49

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:330 Resp: 2629  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 0.0 26.9 40.3#

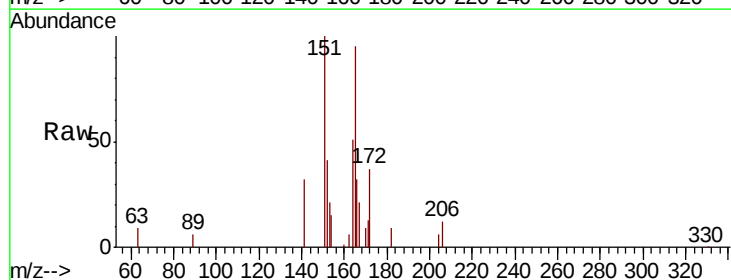


Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

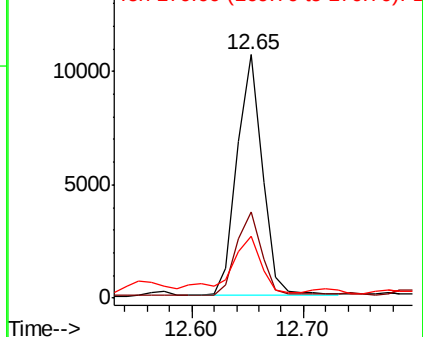
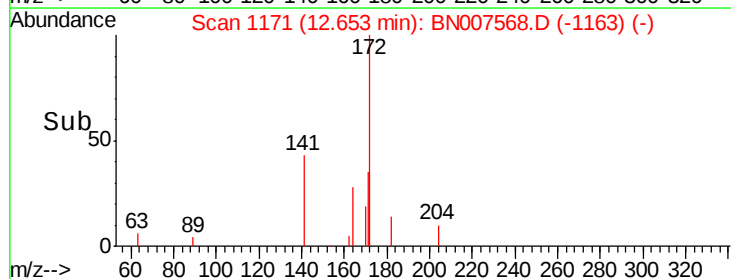


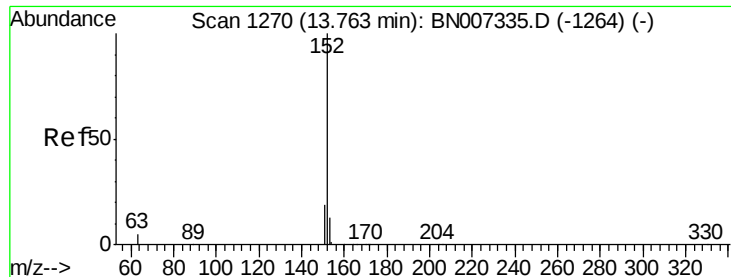
#15  
2-Fluorobiphenyl  
Concen: 0.123 ng  
RT: 12.65 min Scan# 1171  
Delta R.T. -0.01 min  
Lab File: BN007568.D  
Acq: 09 Sep 2019 01:49

Tgt Ion:172 Resp: 16820  
Ion Ratio Lower Upper  
172 100  
171 35.4 30.3 45.5  
170 25.2 20.7 31.1



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

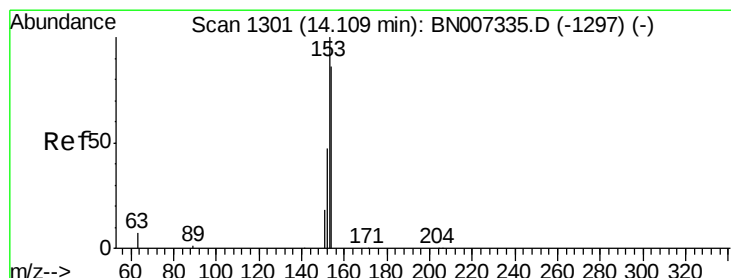
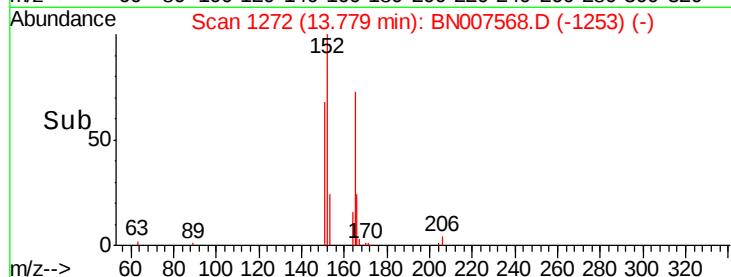
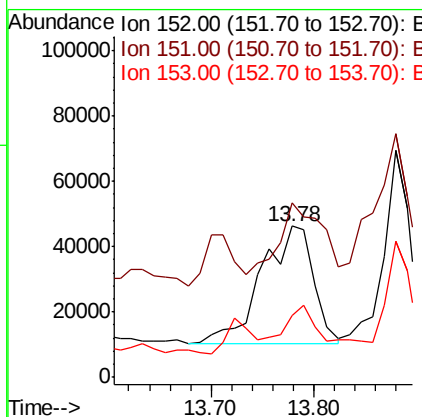
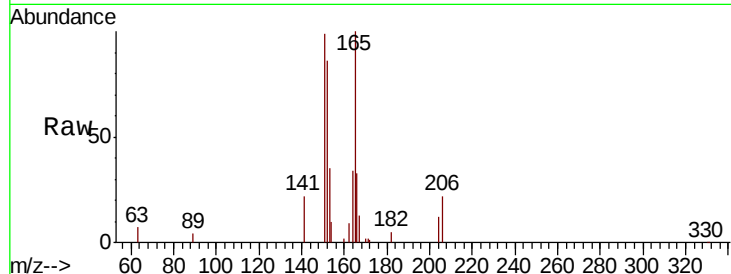




#16  
Acenaphthylene  
Concen: 0.620 ng  
RT: 13.78 min Scan# 1272  
Delta R.T. 0.02 min  
Lab File: BN007568.D  
Acq: 09 Sep 2019 01:49

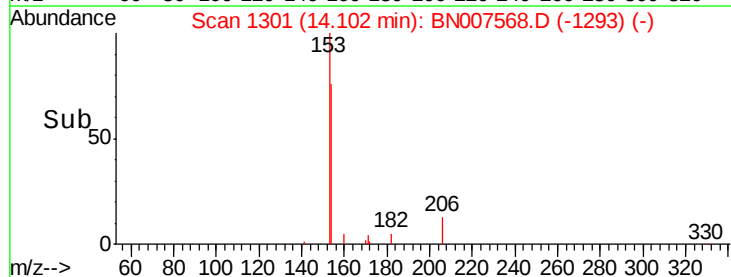
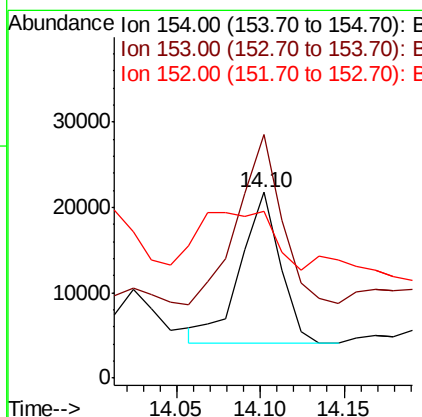
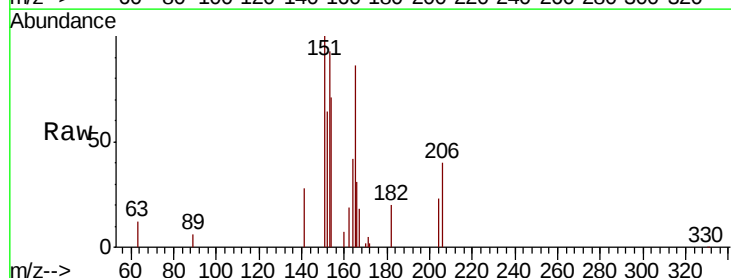
Instrument :  
BNA\_N  
ClientSampled :

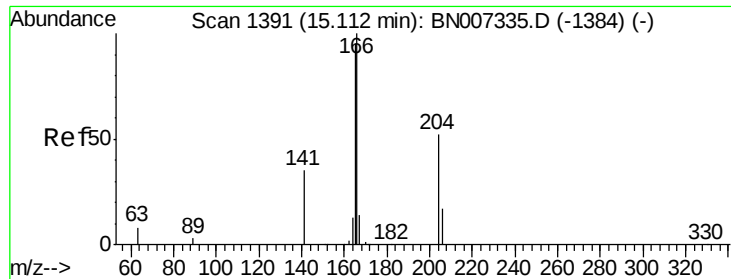
Tot Ion:152 Resp: 124525  
Ion Ratio Lower Upper  
152 100  
151 49.2 16.1 24.1#  
153 16.9 10.6 15.8#



#17  
Acenaphthene  
Concen: 0.248 ng  
RT: 14.10 min Scan# 1301  
Delta R.T. -0.01 min  
Lab File: BN007568.D  
Acq: 09 Sep 2019 01:49

Tgt Ion:154 Resp: 29109  
Ion Ratio Lower Upper  
154 100  
153 124.8 92.8 139.2  
152 73.0 43.8 65.8#

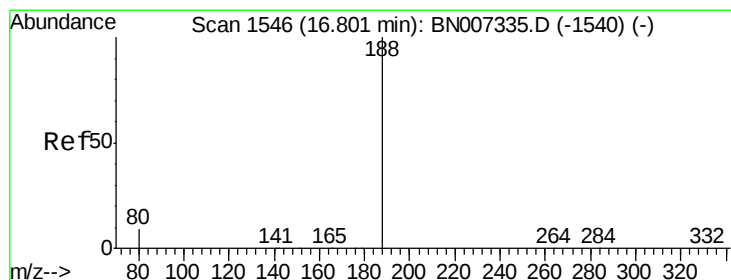
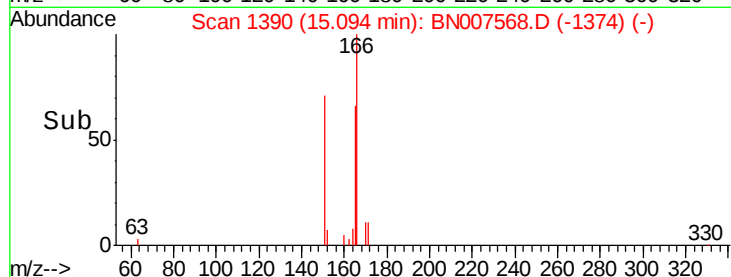
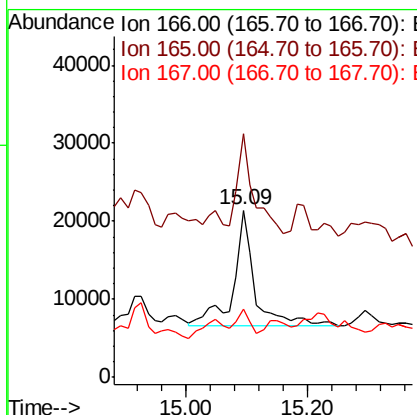
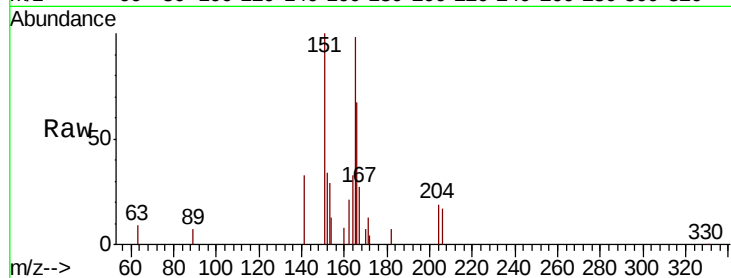




#18  
 Fluorene  
 Concen: 0.248 ng  
 RT: 15.09 min Scan# 1390  
 Delta R.T. -0.02 min  
 Lab File: BN007568.D  
 Acq: 09 Sep 2019 01:49

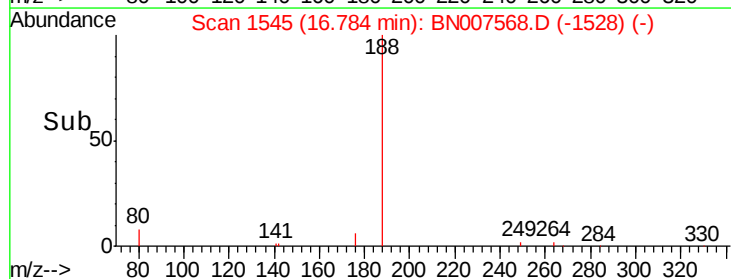
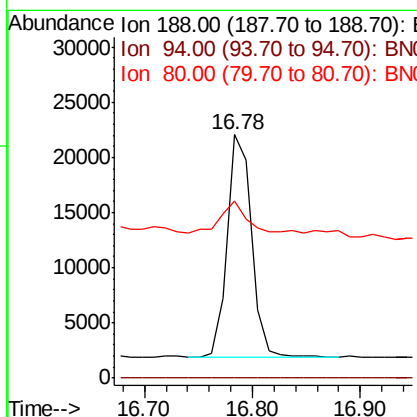
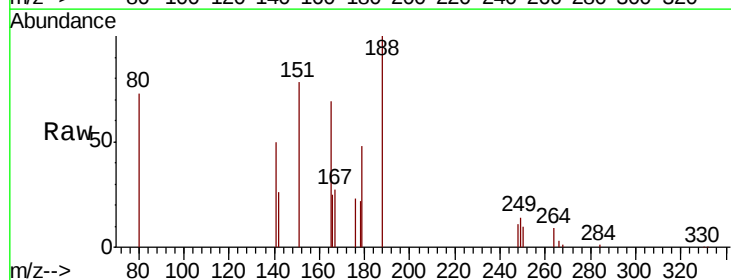
Instrument :  
 BNA\_N  
 ClientSampleId :

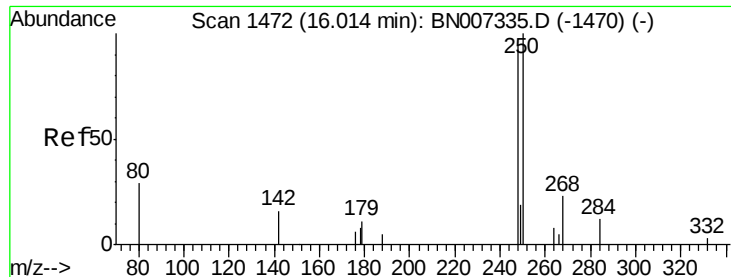
Tot Ion:166 Resp: 36876  
 Ion Ratio Lower Upper  
 166 100  
 165 61.8 79.0 118.4#  
 167 11.9 10.6 15.8



#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 16.78 min Scan# 1545  
 Delta R.T. -0.02 min  
 Lab File: BN007568.D  
 Acq: 09 Sep 2019 01:49

Tgt Ion:188 Resp: 31413  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 72.8 11.8 17.8#

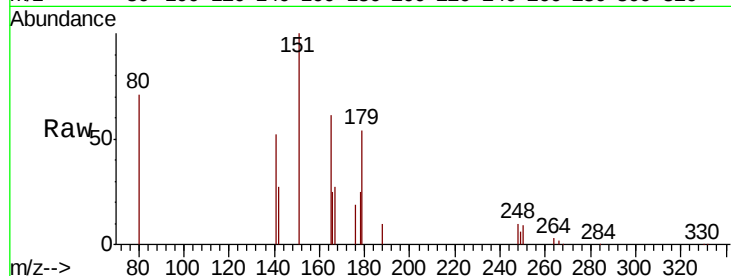




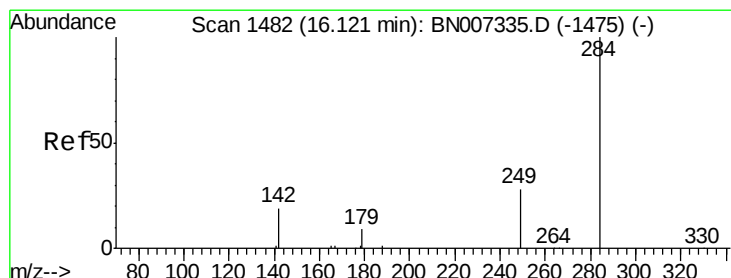
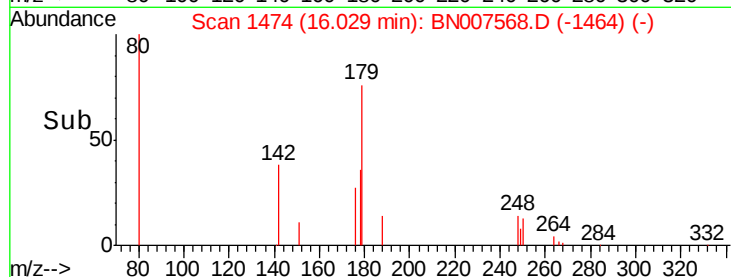
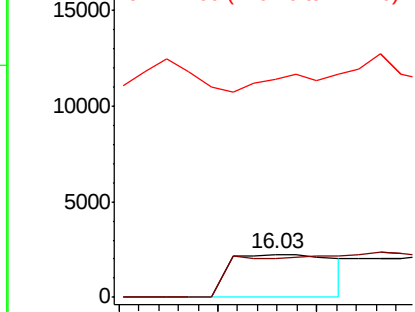
#20  
4-Bromophenyl-phenylether  
Concen: 0.674 ng  
RT: 16.03 min Scan# 1474  
Delta R.T. 0.01 min  
Lab File: BN007568.D  
Acq: 09 Sep 2019 01:49

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:248 Resp: 8347  
Ion Ratio Lower Upper  
248 100  
250 89.7 85.0 127.6  
141 509.9 51.7 77.5#

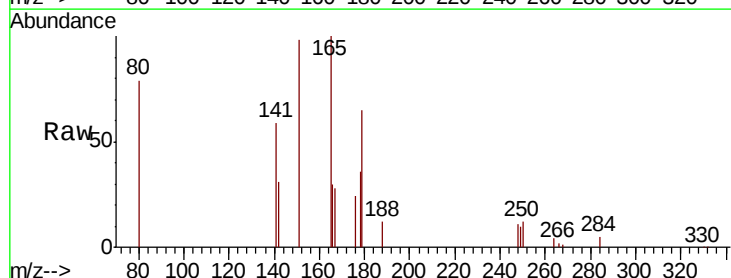


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

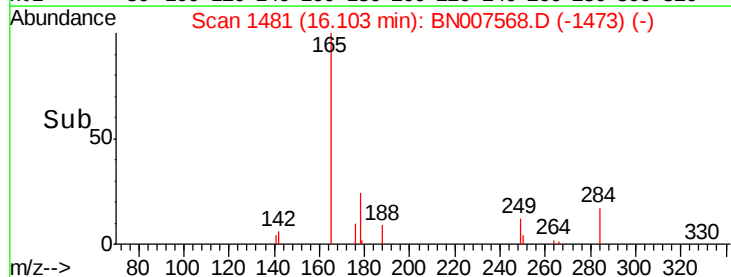
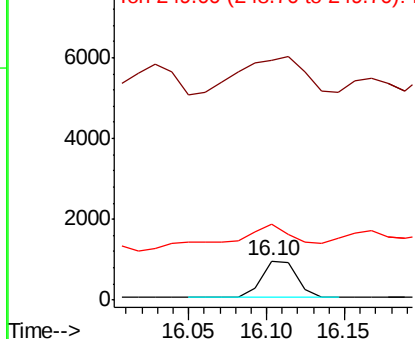


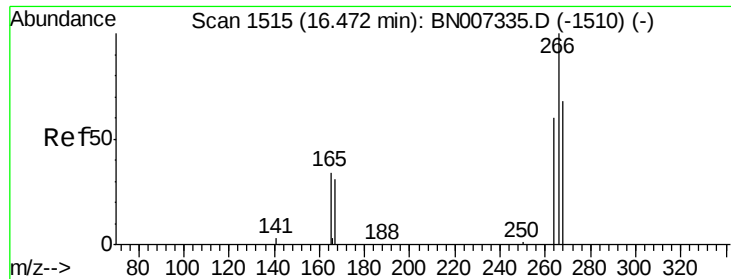
#21  
Hexachlorobenzene  
Concen: 0.068 ng  
RT: 16.10 min Scan# 1481  
Delta R.T. -0.02 min  
Lab File: BN007568.D  
Acq: 09 Sep 2019 01:49

Tgt Ion:284 Resp: 1423  
Ion Ratio Lower Upper  
284 100  
142 189.9 29.0 43.6#  
249 111.8 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

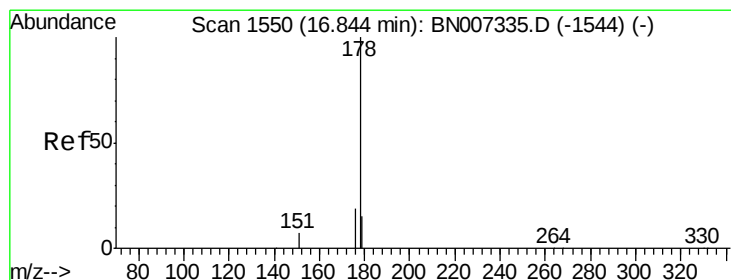
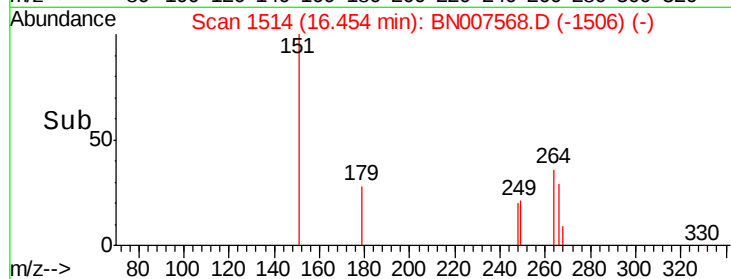
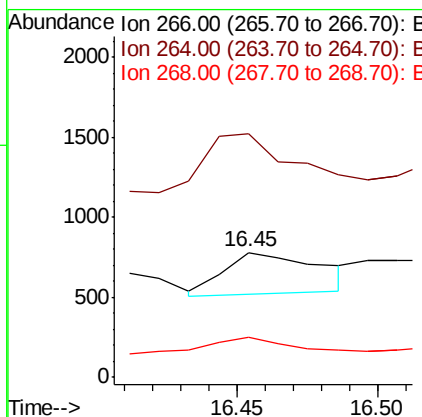
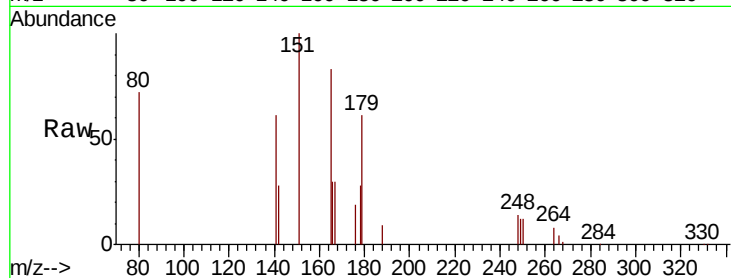




#22  
 Pentachlorophenol  
 Concen: 0.093 ng  
 RT: 16.45 min Scan# 1514  
 Delta R.T. -0.02 min  
 Lab File: BN007568.D  
 Acq: 09 Sep 2019 01:49

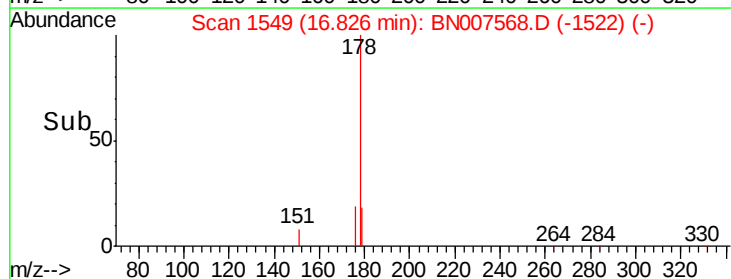
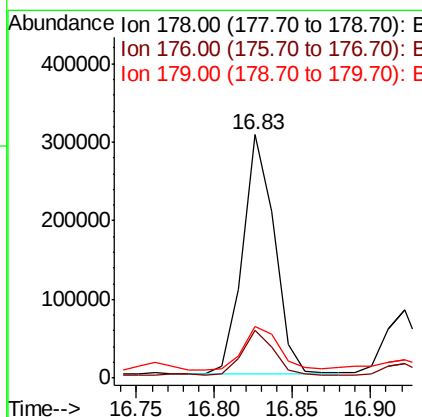
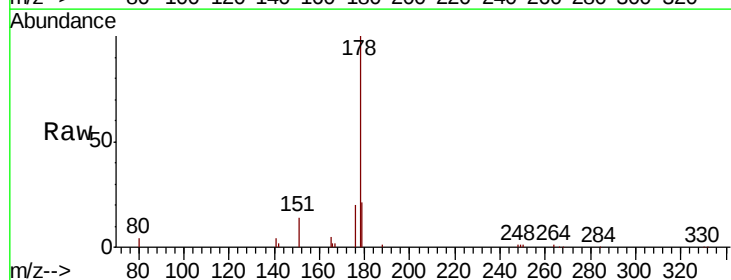
Instrument :  
 BNA\_N  
 ClientSampleId :

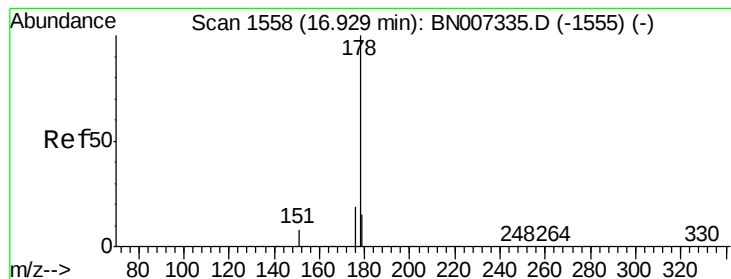
Tot Ion:266 Resp: 606  
 Ion Ratio Lower Upper  
 266 100  
 264 195.4 57.8 86.8#  
 268 31.9 99.7 149.5#



#23  
 Phenanthrene  
 Concen: 4.559 ng  
 RT: 16.83 min Scan# 1549  
 Delta R.T. -0.02 min  
 Lab File: BN007568.D  
 Acq: 09 Sep 2019 01:49

Tgt Ion:178 Resp: 430804  
 Ion Ratio Lower Upper  
 178 100  
 176 18.5 15.3 22.9  
 179 20.8 12.6 19.0#





#24

Anthracene

Concen: 1.210 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007568.D

Acq: 09 Sep 2019 01:49

Instrument :

BNA\_N

ClientSampleId :

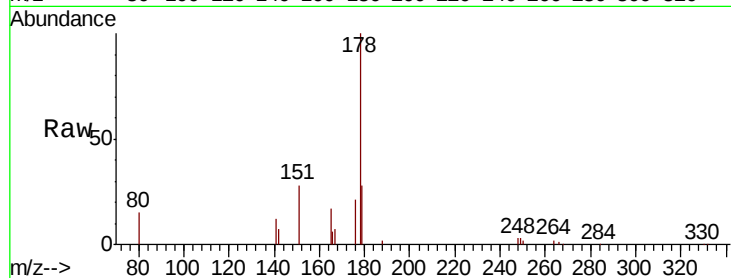
Tot Ion:178 Resp: 115005

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

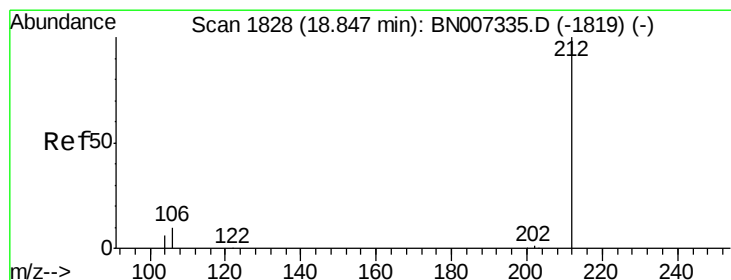
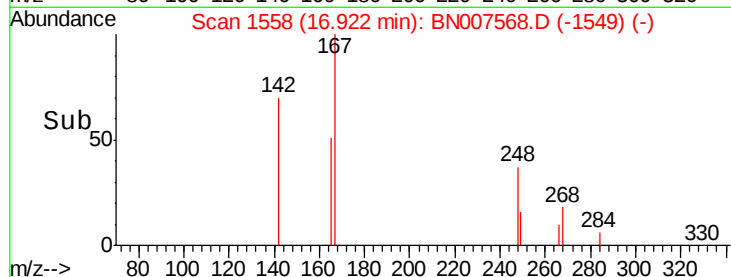
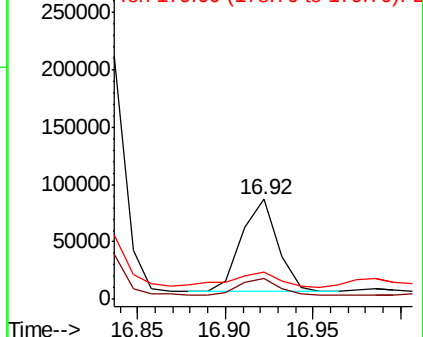
179 21.7 12.4 18.6#



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: 0.316 ng

RT: 18.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BN007568.D

Acq: 09 Sep 2019 01:49

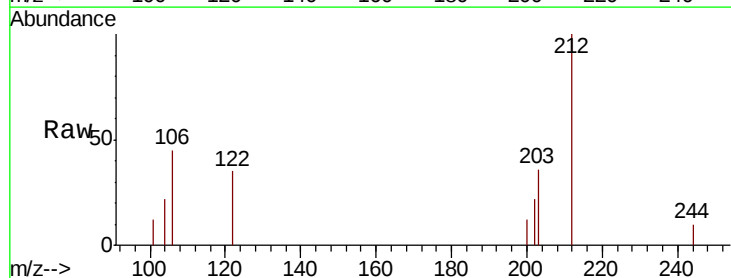
Tgt Ion:212 Resp: 31958

Ion Ratio Lower Upper

212 100

106 12.5 9.0 13.4

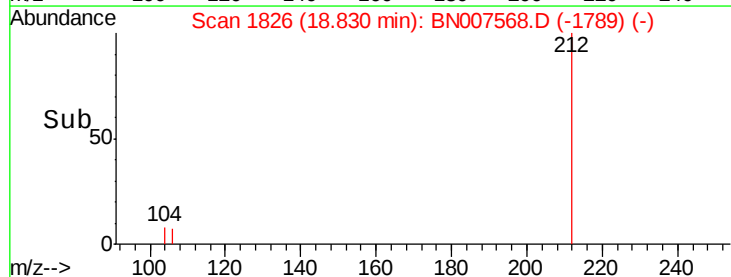
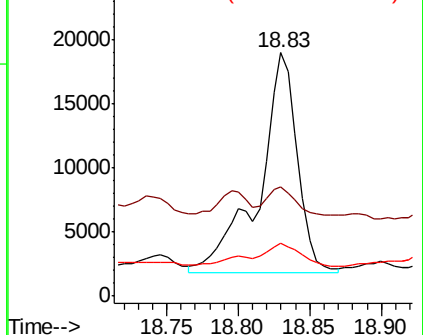
104 9.0 5.4 8.2#

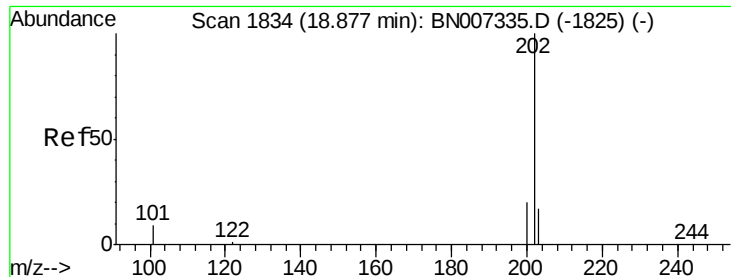


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

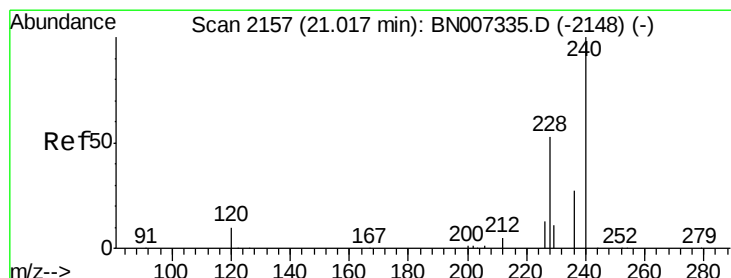
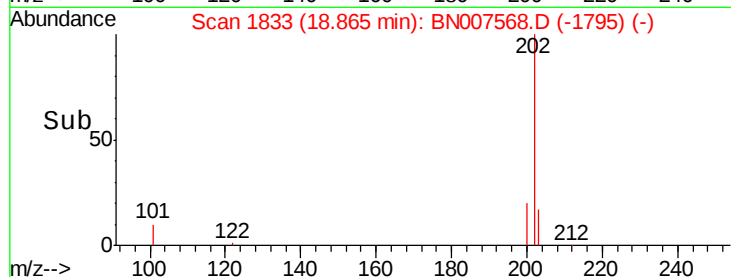
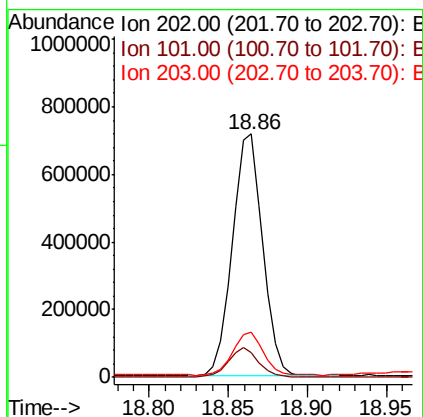
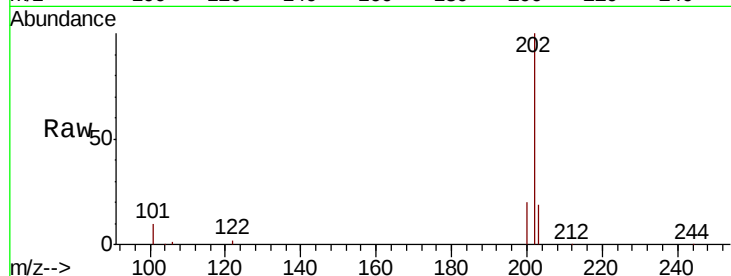




#26  
 Fluoranthene  
 Concen: 7.881 ng  
 RT: 18.86 min Scan# 1833  
 Delta R.T. -0.01 min  
 Lab File: BN007568.D  
 Acq: 09 Sep 2019 01:49

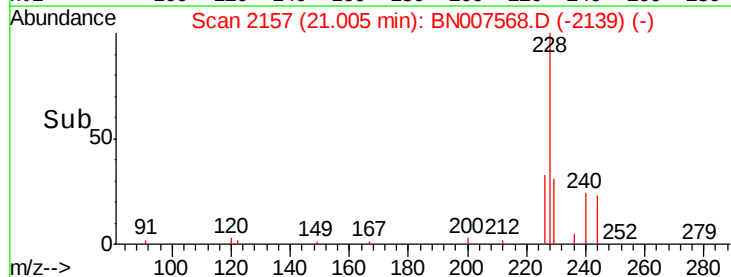
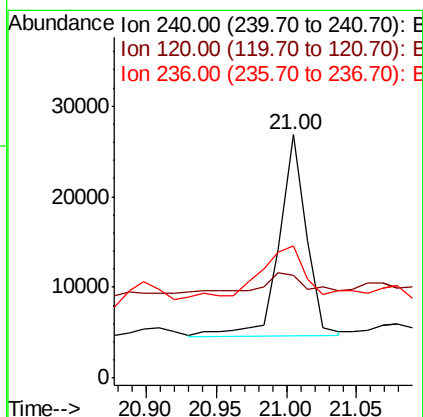
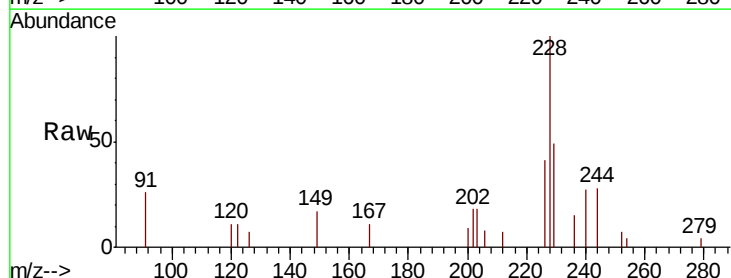
Instrument :  
 BNA\_N  
 ClientSampled :

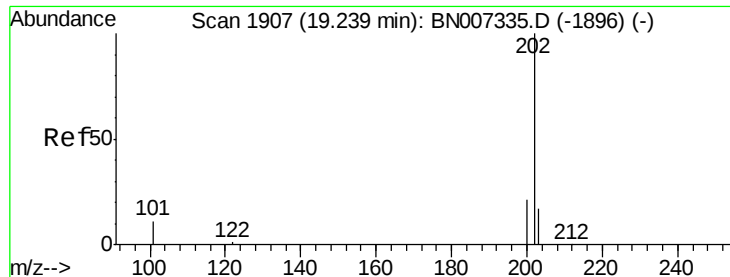
Tot Ion:202 Resp: 956104  
 Ion Ratio Lower Upper  
 202 100  
 101 11.6 7.7 11.5#  
 203 17.4 13.7 20.5



#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.00 min Scan# 2157  
 Delta R.T. -0.01 min  
 Lab File: BN007568.D  
 Acq: 09 Sep 2019 01:49

Tgt Ion:240 Resp: 30396  
 Ion Ratio Lower Upper  
 240 100  
 120 42.1 9.6 14.4#  
 236 54.3 22.2 33.2#

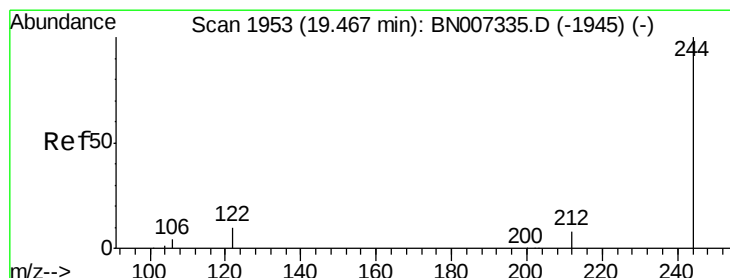
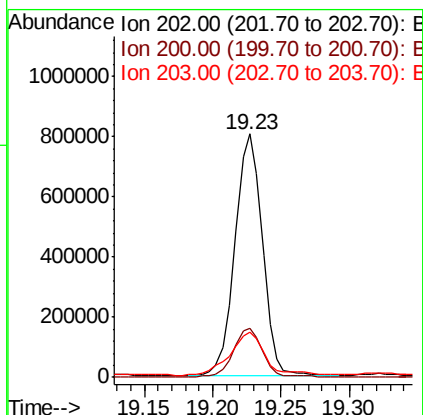
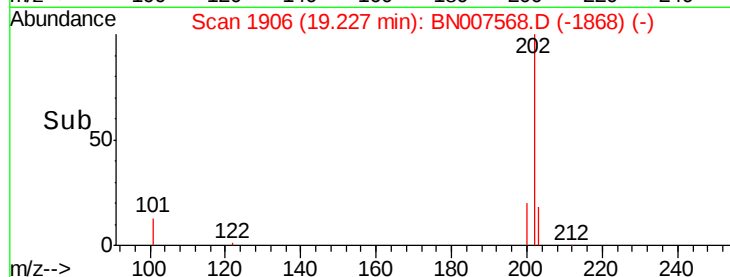
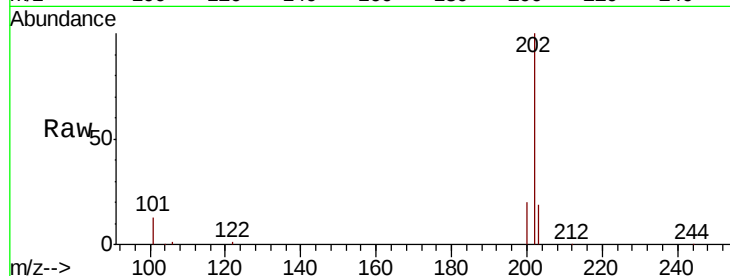




#28  
Pvrene  
Concen: 9.179 ng  
RT: 19.23 min Scan# 1906  
Delta R.T. -0.01 min  
Lab File: BN007568.D  
Acq: 09 Sep 2019 01:49

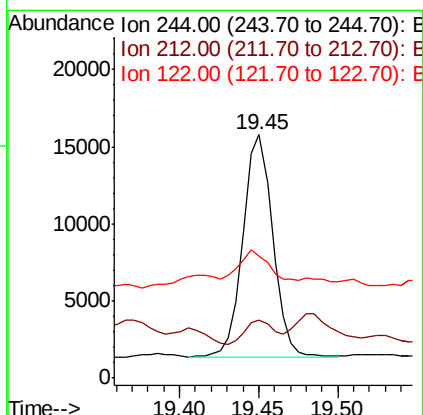
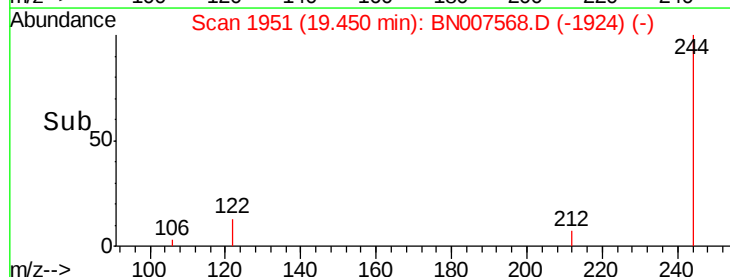
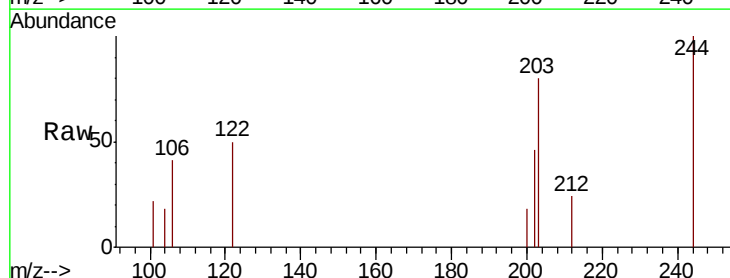
Instrument :  
BNA\_N  
ClientSampleId :

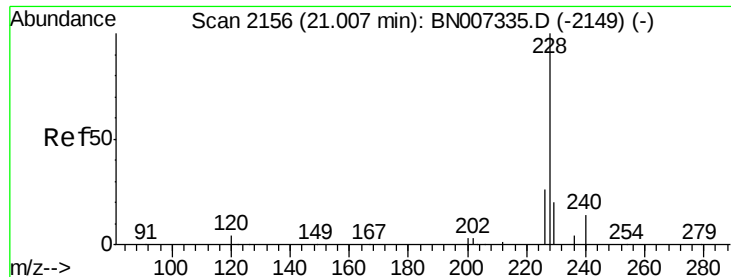
Tot Ion:202 Resp: 1122296  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.6 25.0  
203 20.8 14.2 21.4



#29  
Terphenyl-d14  
Concen: 0.237 ng  
RT: 19.45 min Scan# 1951  
Delta R.T. -0.02 min  
Lab File: BN007568.D  
Acq: 09 Sep 2019 01:49

Tgt Ion:244 Resp: 18838  
Ion Ratio Lower Upper  
244 100  
212 23.6 7.0 10.6#  
122 50.1 9.6 14.4#

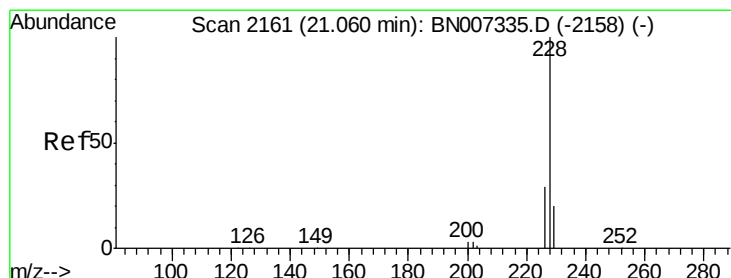
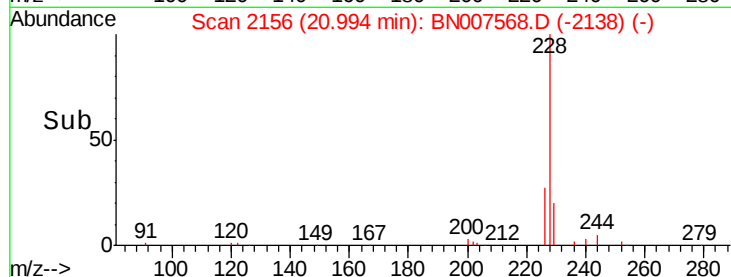
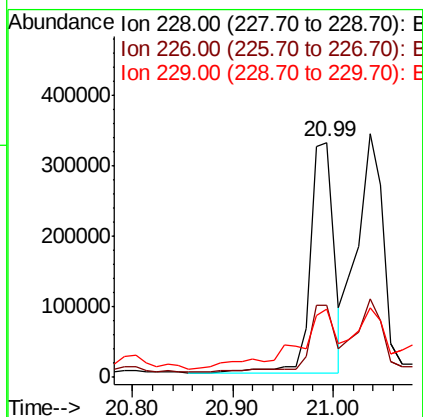
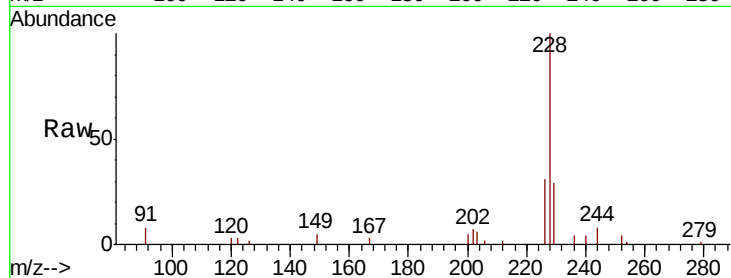




#30  
Benzo(a)anthracene  
Concen: 4.567 ng  
RT: 20.99 min Scan# 2156  
Delta R.T. -0.01 min  
Lab File: BN007568.D  
Acq: 09 Sep 2019 01:49

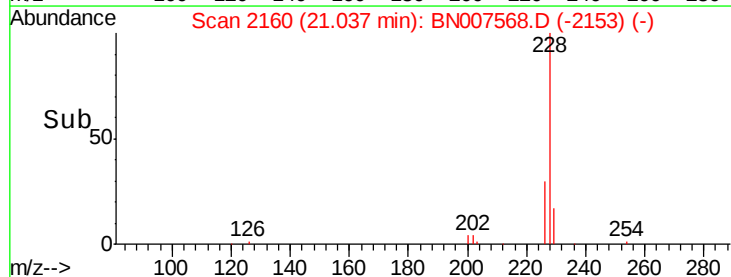
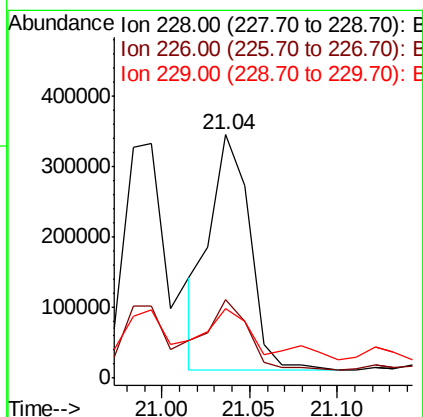
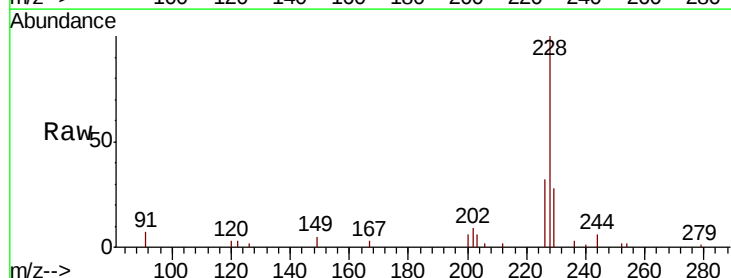
Instrument :  
BNA\_N  
ClientSampled :

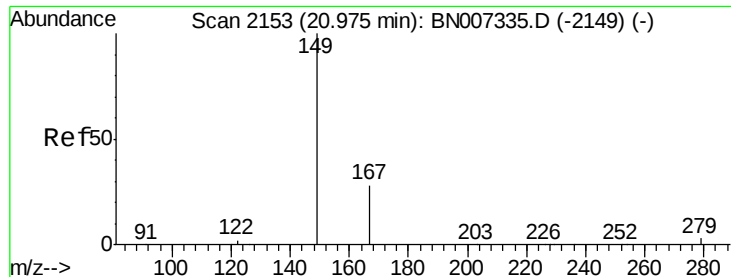
Tot Ion:228 Resp: 545157  
Ion Ratio Lower Upper  
228 100  
226 30.8 21.3 31.9  
229 29.0 16.1 24.1#



#31  
Chrysene  
Concen: 4.554 ng  
RT: 21.04 min Scan# 2160  
Delta R.T. -0.02 min  
Lab File: BN007568.D  
Acq: 09 Sep 2019 01:49

Tgt Ion:228 Resp: 524673  
Ion Ratio Lower Upper  
228 100  
226 32.3 23.5 35.3  
229 28.5 16.6 24.8#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.916 ng

RT: 20.95 min Scan# 2152

Delta R.T. -0.02 min

Lab File: BN007568.D

Acq: 09 Sep 2019 01:49

Instrument :

BNA\_N

ClientSampled :

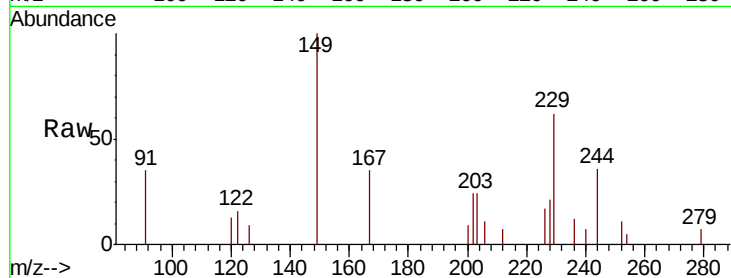
Tot Ion:149 Resp: 72238

Ion Ratio Lower Upper

149 100

167 30.2 22.8 34.2

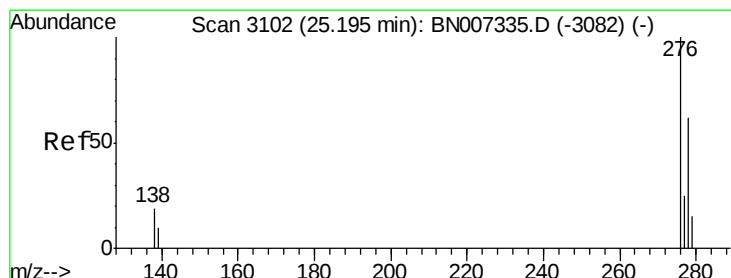
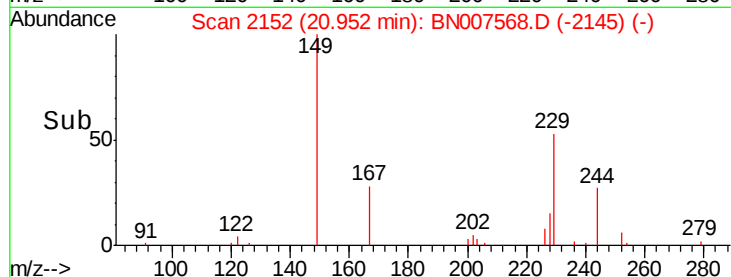
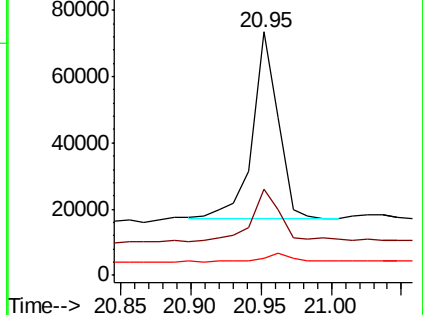
279 5.5 3.5 5.3#



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: 2.417 ng

RT: 25.18 min Scan# 3098

Delta R.T. -0.02 min

Lab File: BN007568.D

Acq: 09 Sep 2019 01:49

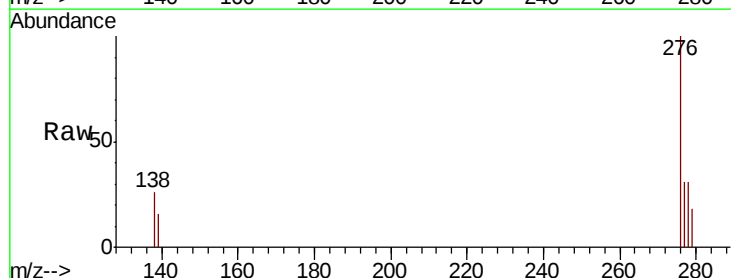
Tgt Ion:276 Resp: 335549

Ion Ratio Lower Upper

276 100

138 19.1 15.1 22.7

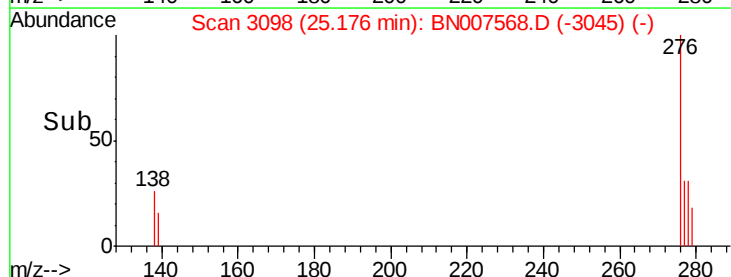
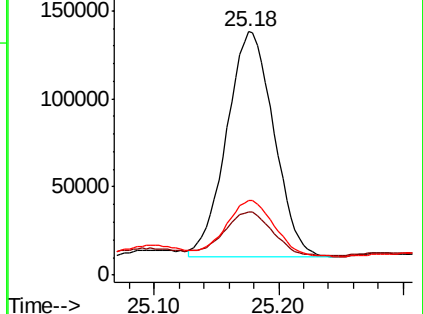
277 25.1 19.7 29.5

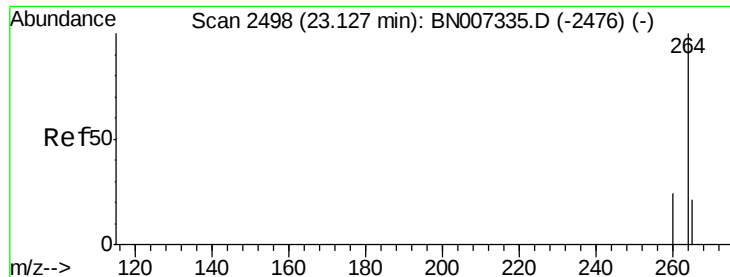


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

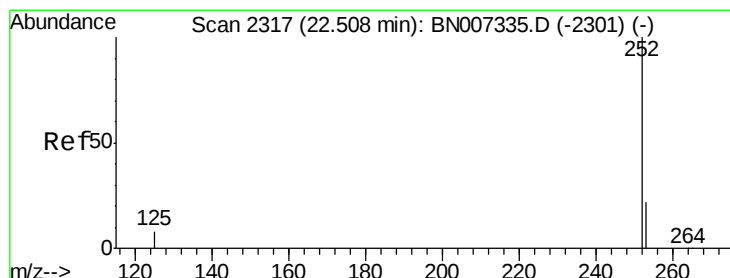
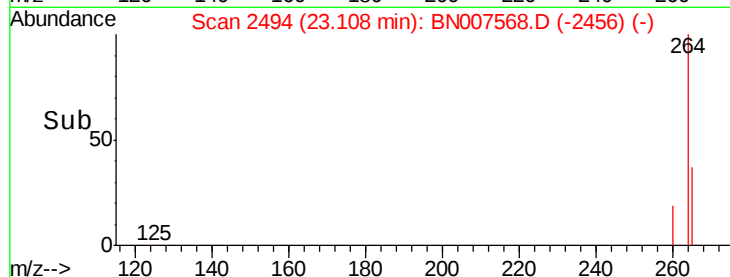
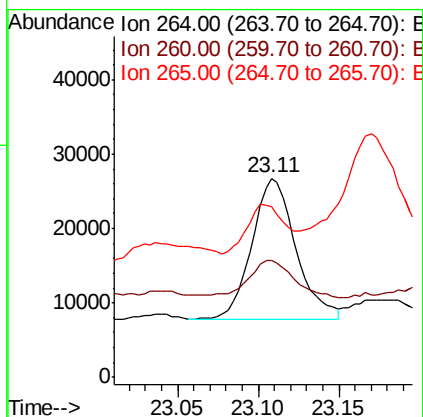
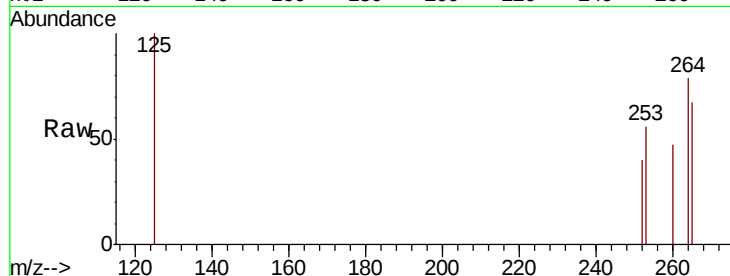




#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.11 min Scan# 2494  
 Delta R.T. -0.02 min  
 Lab File: BN007568.D  
 Acq: 09 Sep 2019 01:49

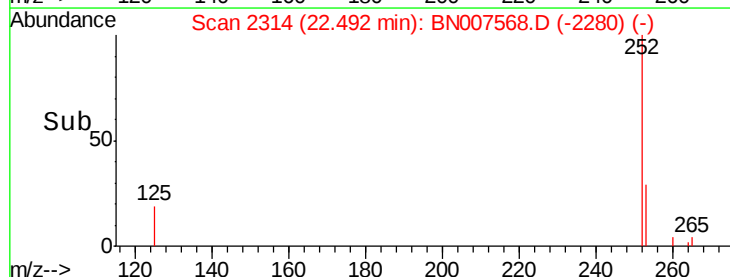
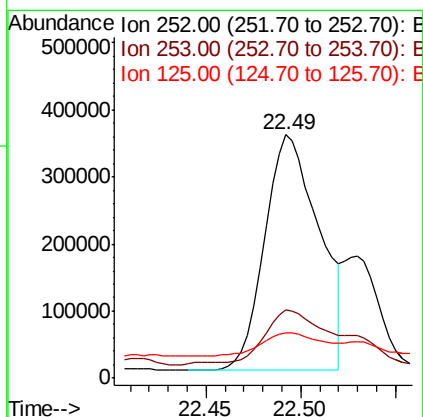
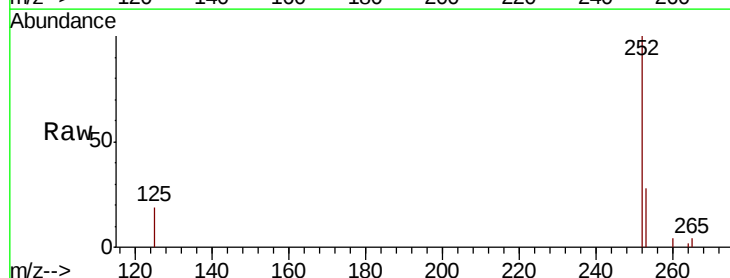
Instrument :  
 BNA\_N  
 ClientSampleId :

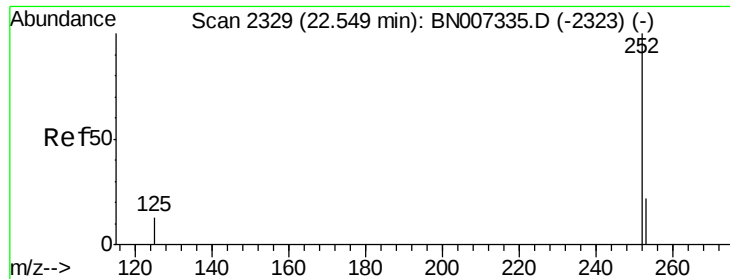
Tot Ion:264 Resp: 35670  
 Ion Ratio Lower Upper  
 264 100  
 260 58.9 19.7 29.5#  
 265 85.4 29.9 44.9#



#35  
 Benzo(b)fluoranthene  
 Concen: 5.430 ng  
 RT: 22.49 min Scan# 2314  
 Delta R.T. -0.02 min  
 Lab File: BN007568.D  
 Acq: 09 Sep 2019 01:49

Tgt Ion:252 Resp: 701718  
 Ion Ratio Lower Upper  
 252 100  
 253 28.0 19.2 28.8  
 125 18.6 10.6 16.0#

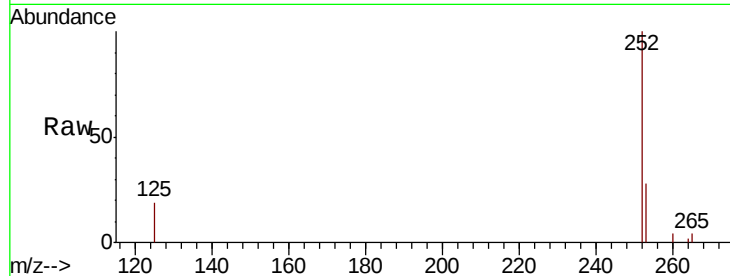




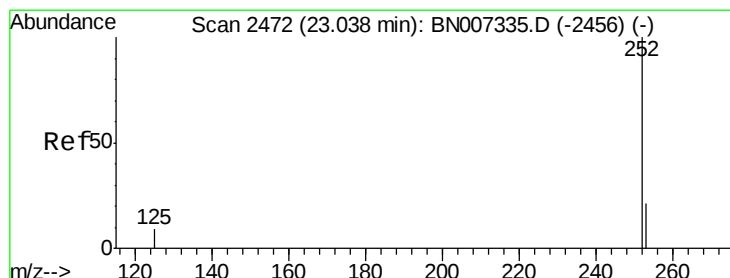
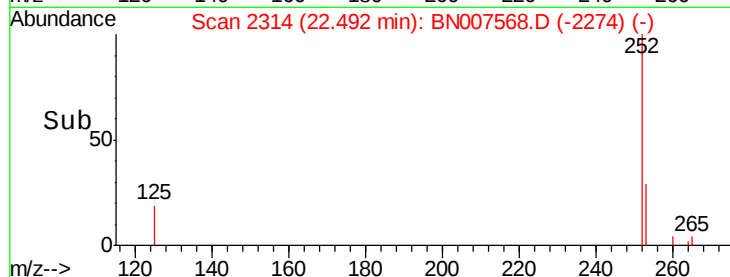
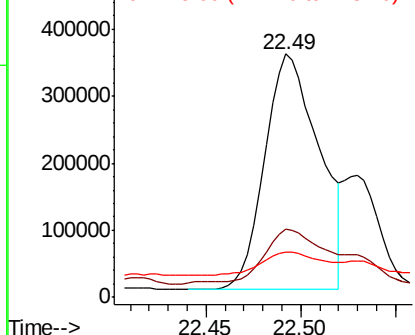
#36  
Benzo(k)fluoranthene  
Concen: 5.494 ng  
RT: 22.49 min Scan# 2314  
Delta R.T. -0.06 min  
Lab File: BN007568.D  
Acq: 09 Sep 2019 01:49

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:252 Resp: 701718  
Ion Ratio Lower Upper  
252 100  
253 28.0 19.4 29.2  
125 18.6 13.1 19.7

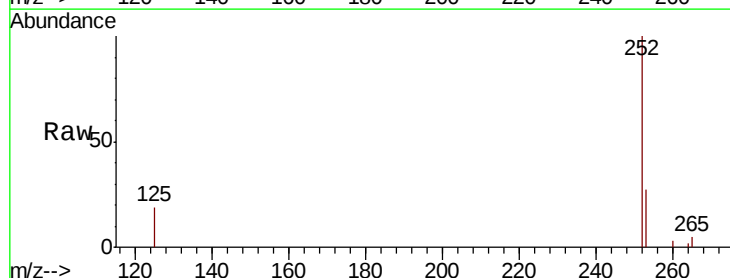


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

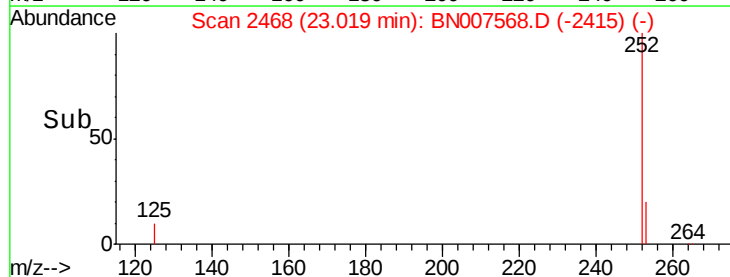
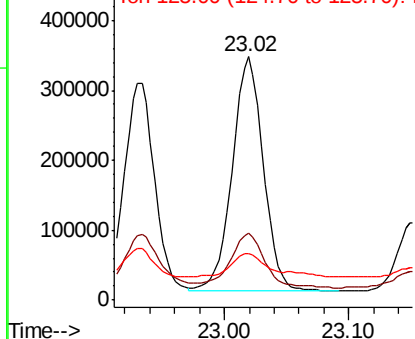


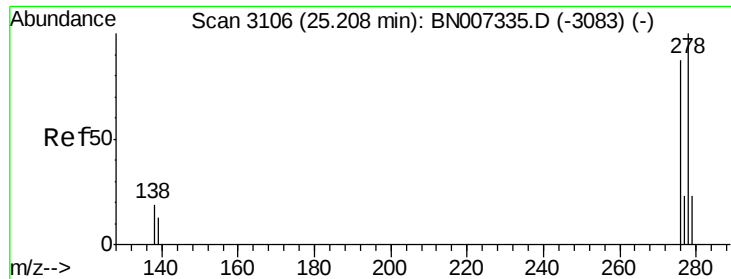
#37  
Benzo(a)pyrene  
Concen: 4.719 ng  
RT: 23.02 min Scan# 2468  
Delta R.T. -0.02 min  
Lab File: BN007568.D  
Acq: 09 Sep 2019 01:49

Tgt Ion:252 Resp: 580426  
Ion Ratio Lower Upper  
252 100  
253 27.4 19.5 29.3  
125 19.3 12.1 18.1#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.847 ng

RT: 25.18 min Scan# 3099

Delta R.T. -0.03 min

Lab File: BN007568.D

Acq: 09 Sep 2019 01:49

Instrument :

BNA\_N

ClientSampleId :

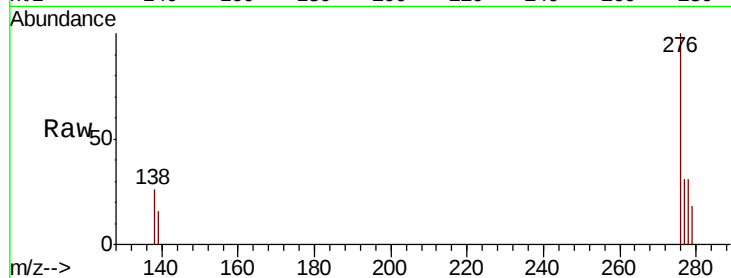
Tot Ion:278 Resp: 103978

Ion Ratio Lower Upper

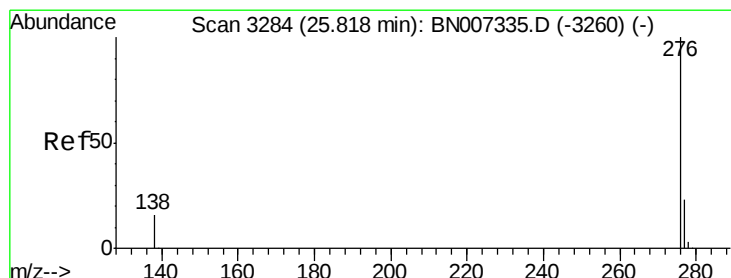
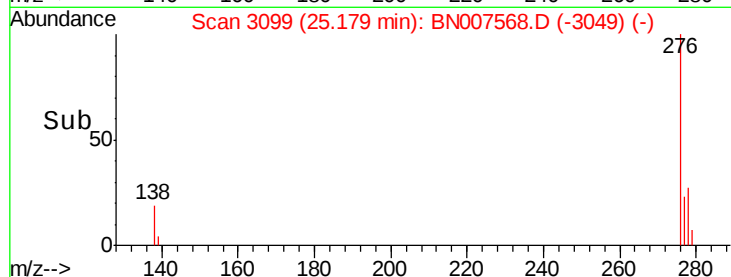
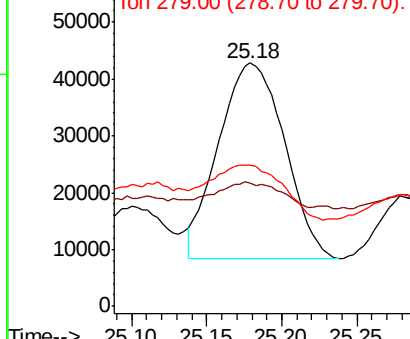
278 100

139 50.7 13.7 20.5#

279 58.1 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(g,h,i)perylene

Concen: 3.481 ng

RT: 25.81 min Scan# 3282

Delta R.T. -0.01 min

Lab File: BN007568.D

Acq: 09 Sep 2019 01:49

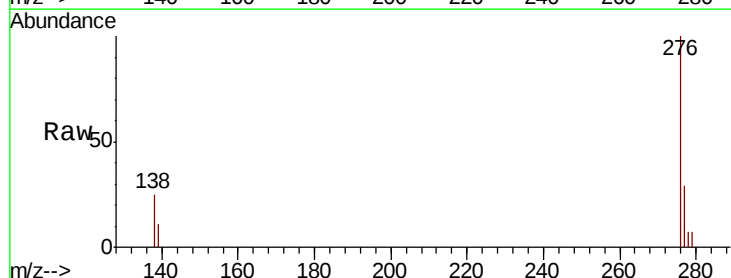
Tgt Ion:276 Resp: 425616

Ion Ratio Lower Upper

276 100

277 29.1 19.6 29.4

138 25.0 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

