

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004893.D
 Acq On : 22 Mar 2019 20:48
 Operator : JU/SJ
 Sample : K1842-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C-MW-10_030719

Quant Time: Mar 23 02:48:58 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	7.69	152	2996	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	12695	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	7456	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	19004	0.40	ng	0.00
27) Chrysene-d12	21.29	240	25147	0.40	ng	0.00
34) Perylene-d12	23.54	264	25835	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	1327	0.16	ng	0.00
5) Phenol-d6	6.87	99	1237	0.12	ng	0.00
8) Nitrobenzene-d5	8.86	82	2822	0.34	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	7667	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	1717	0.33	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	12126	0.39	ng	-0.01
25) Fluoranthene-d10	19.12	212	24532	0.39	ng	0.00
29) Terphenyl-d14	19.72	244	27172	0.53	ng	0.00

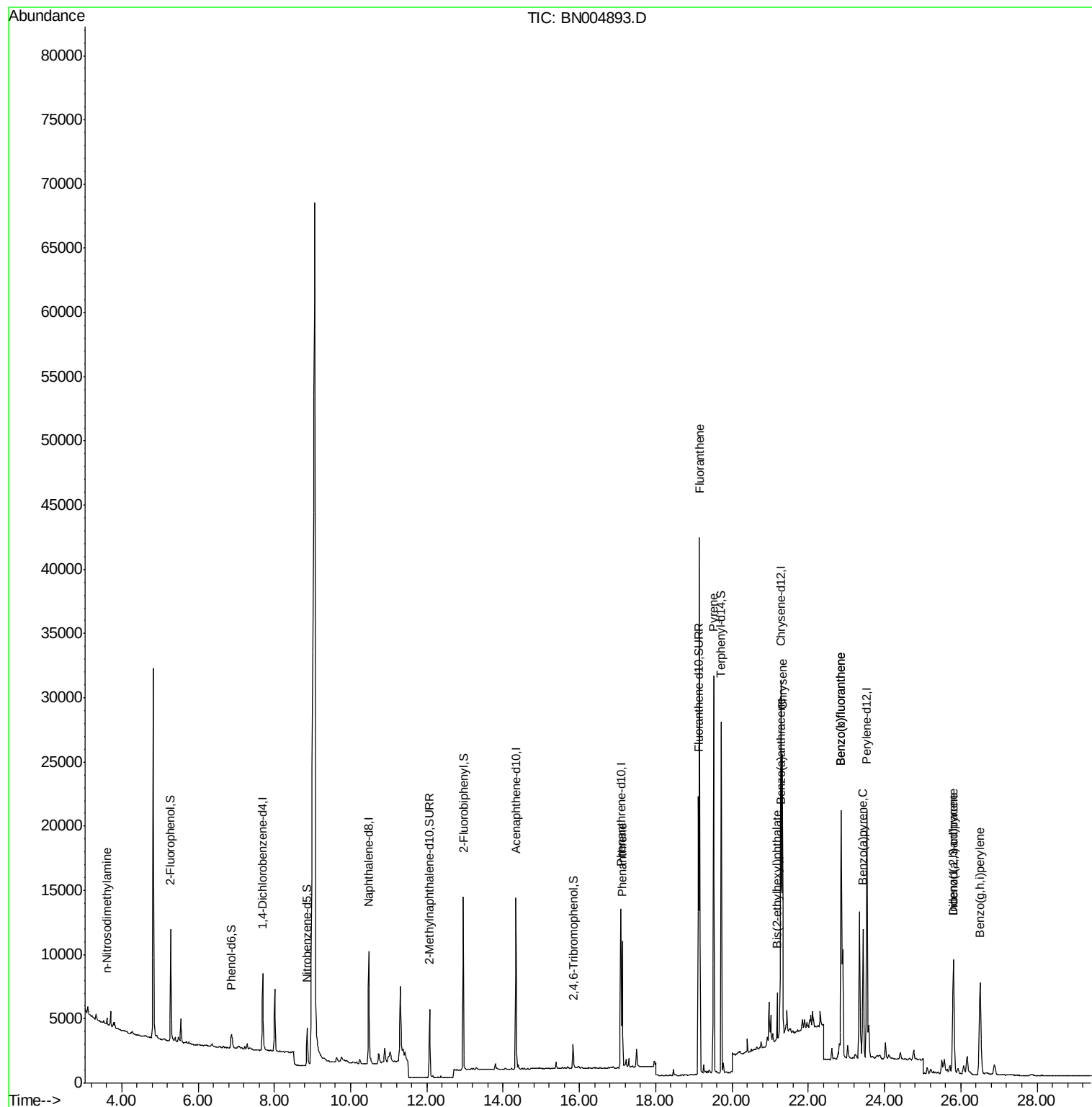
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.60	42	66	0.033	ng	# 1
23) Phenanthrene	17.13	178	11502	0.187	ng	99
26) Fluoranthene	19.15	202	36778	0.466	ng	99
28) Pyrene	19.52	202	28220	0.368	ng	96
30) Benzo(a)anthracene	21.27	228	10031	0.122	ng	95
31) Chrysene	21.32	228	20056	0.231	ng	98
32) Bis(2-ethylhexyl)phthalate	21.18	149	3217	0.098	ng	97
33) Indeno(1,2,3-cd)pyrene	25.81	276	14524	0.116	ng	97
35) Benzo(b)fluoranthene	22.86	252	30595	0.327	ng	# 96
36) Benzo(k)fluoranthene	22.86	252	30595	0.333	ng	# 96
37) Benzo(a)pyrene	23.44	252	13892	0.162	ng	# 92
38) Dibenzo(a,h)anthracene	25.81	278	3030	0.031	ng	# 63
39) Benzo(a,h,i)perylene	26.51	276	15186	0.150	ng	97

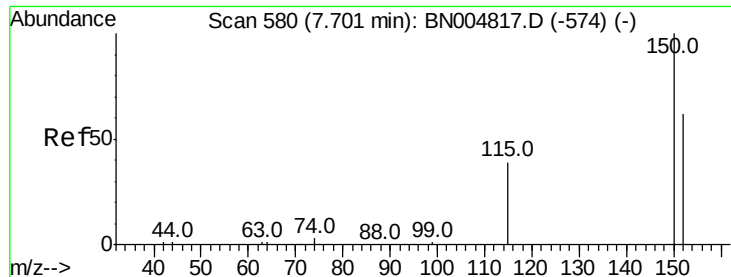
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
Data File : BN004893.D
Acq On : 22 Mar 2019 20:48
Operator : JU/SJ
Sample : K1842-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C-MW-10_030719

Quant Time: Mar 23 02:48:58 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: 7.69 min Scan# 579

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

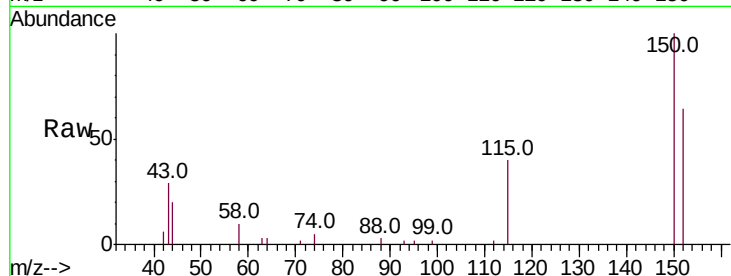
Tot Ion:152 Resp: 2996

Ion Ratio Lower Upper

152 100

150 156.2 126.2 189.4

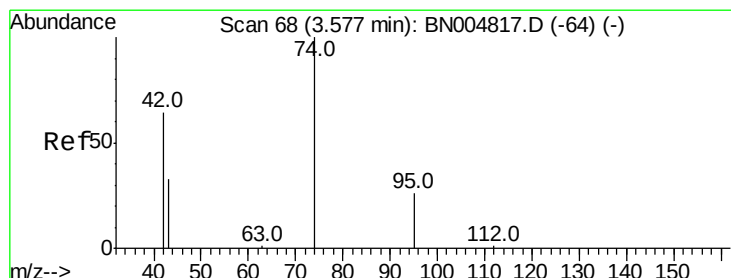
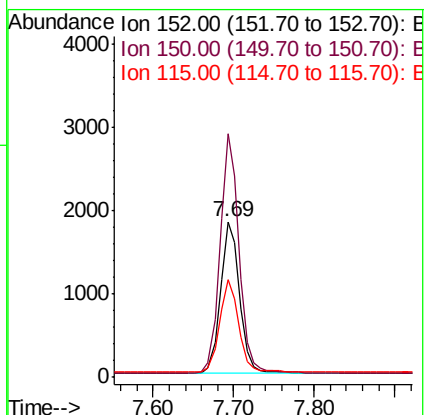
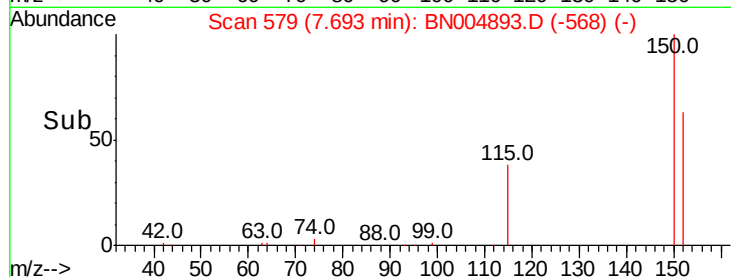
115 62.4 52.6 79.0



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



#3

n-Nitrosodimethylamine

Concen: 0.033 ng

RT: 3.60 min Scan# 71

Delta R.T. 0.02 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

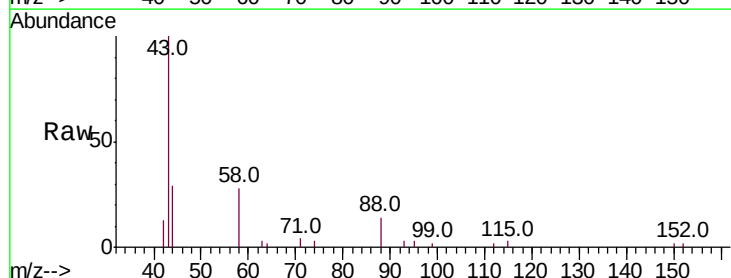
Tgt Ion: 42 Resp: 66

Ion Ratio Lower Upper

42 100

74 22.7 128.4 192.6#

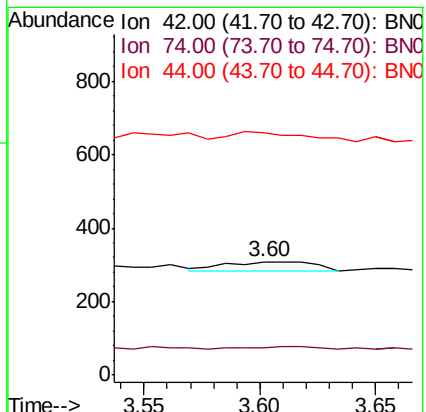
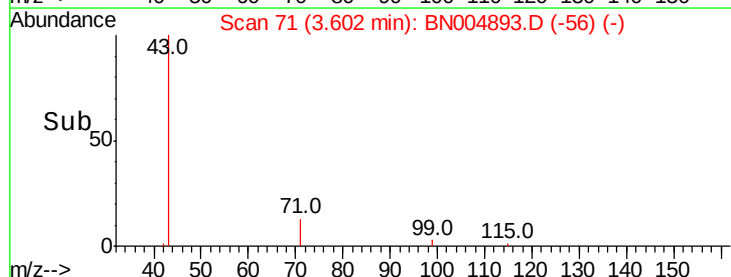
44 89.4 6.1 9.1#

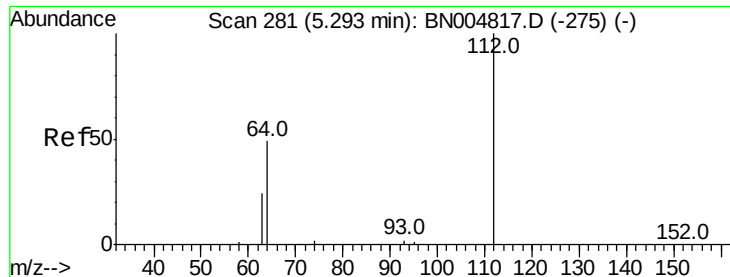


Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.163 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

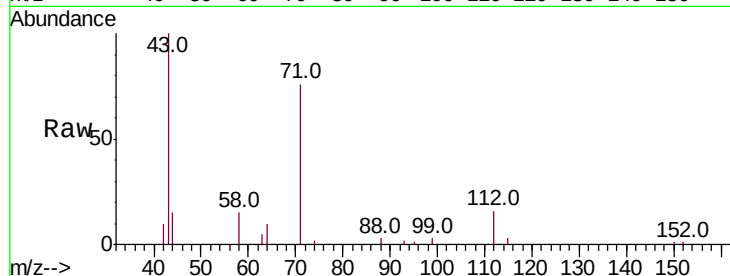
Tot Ion:112 Resp: 1327

Ion Ratio Lower Upper

112 100

64 51.8 40.0 60.0

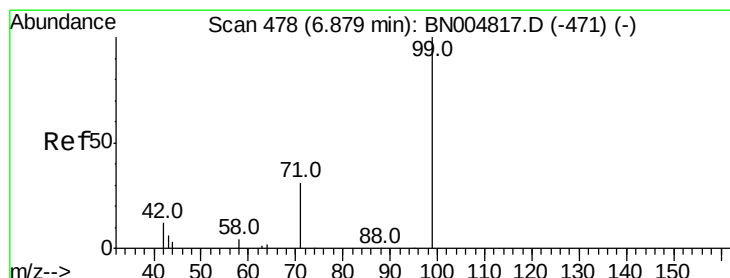
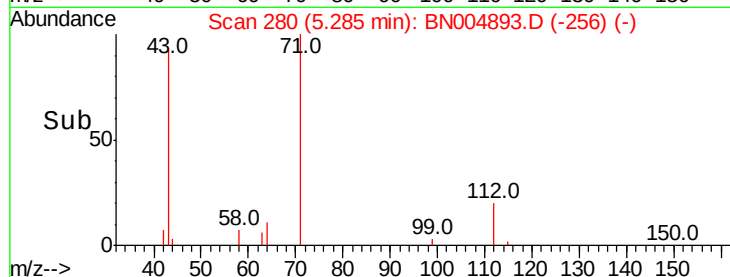
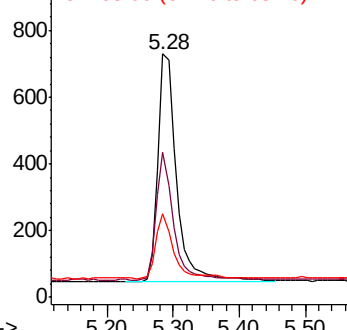
63 27.7 20.2 30.2



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: 0.122 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

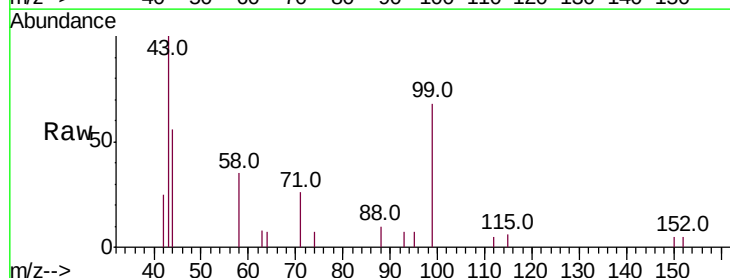
Tgt Ion: 99 Resp: 1237

Ion Ratio Lower Upper

99 100

42 22.6 12.7 19.1#

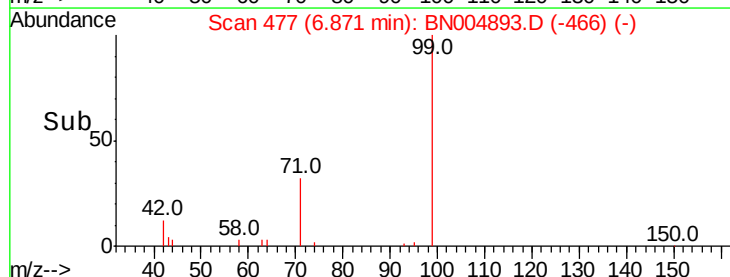
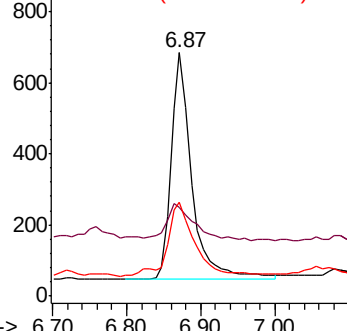
71 43.0 26.6 40.0#

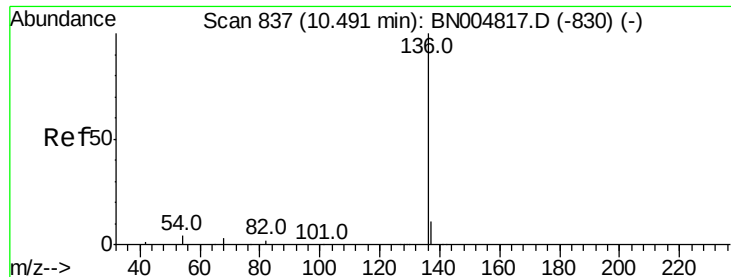


Abundance Ion 99.00 (98.70 to 99.70): BNC

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: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

Tot Ion:136 Resp: 12695

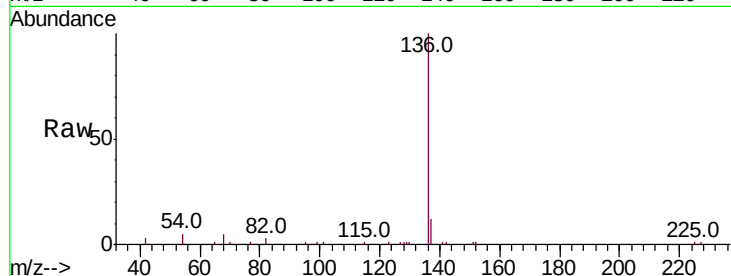
Ion Ratio Lower Upper

136 100

137 11.5 9.6 14.4

54 5.4 4.2 6.2

68 4.7 3.9 5.9

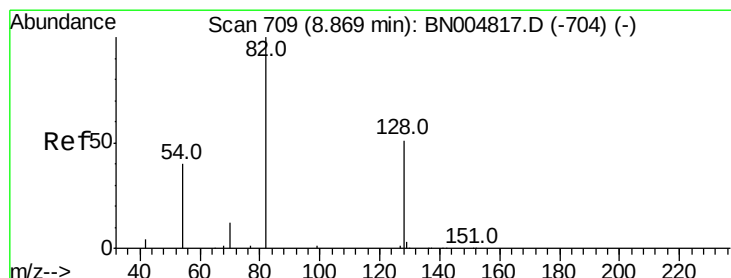
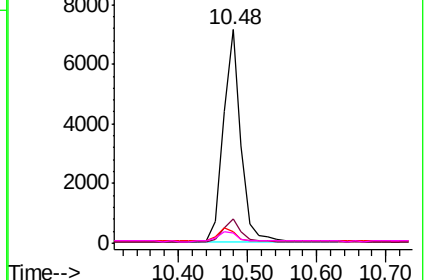
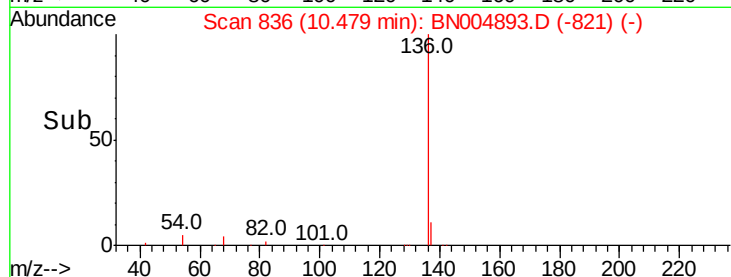


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.336 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

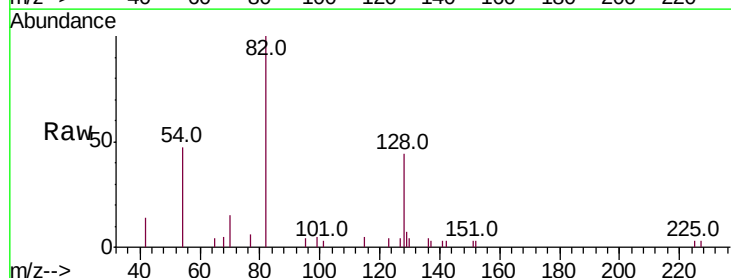
Tgt Ion: 82 Resp: 2822

Ion Ratio Lower Upper

82 100

128 44.0 43.0 64.6

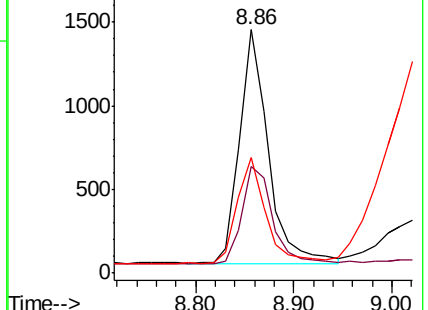
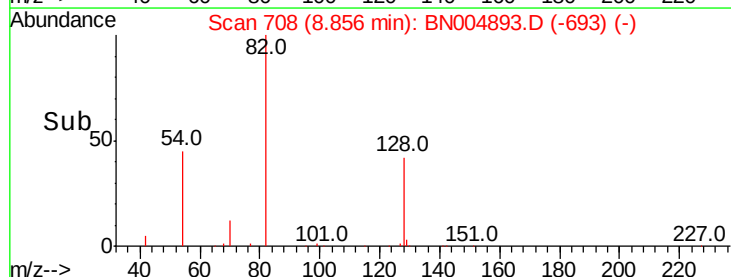
54 47.4 35.3 52.9

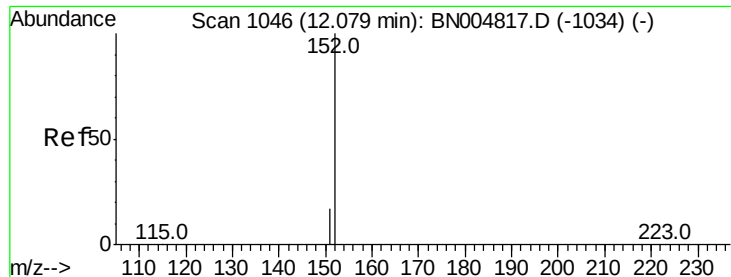


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

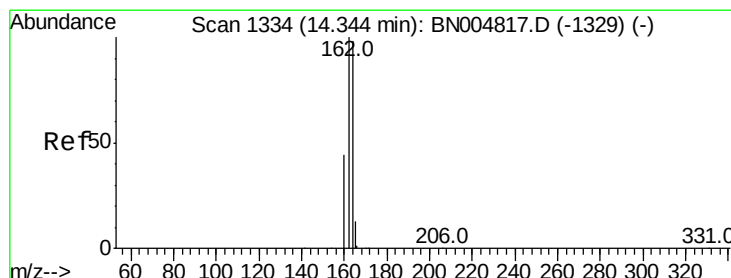
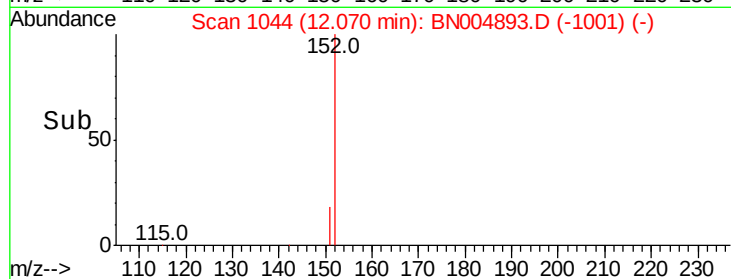
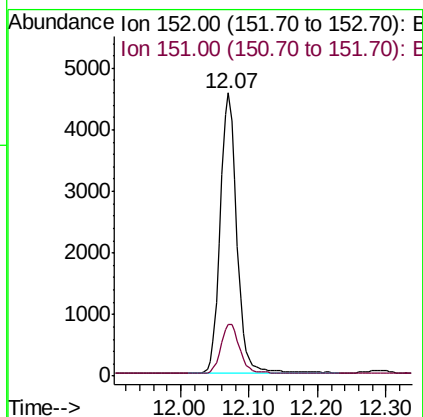
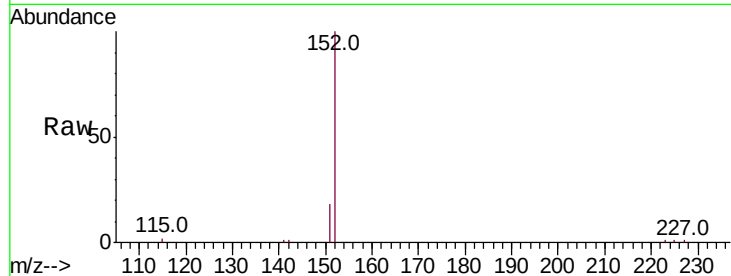




#11
2-Methylnaphthalene-d10
Concen: 0.346 ng
RT: 12.07 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BN004893.D
Acq: 22 Mar 2019 20:48

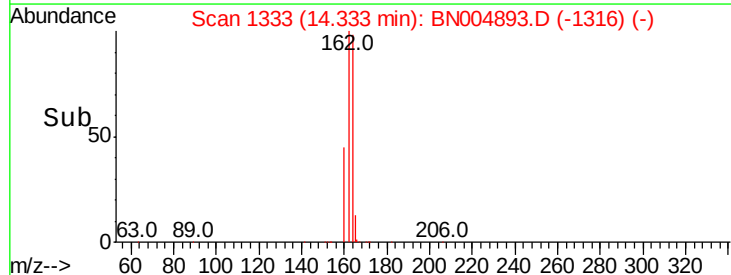
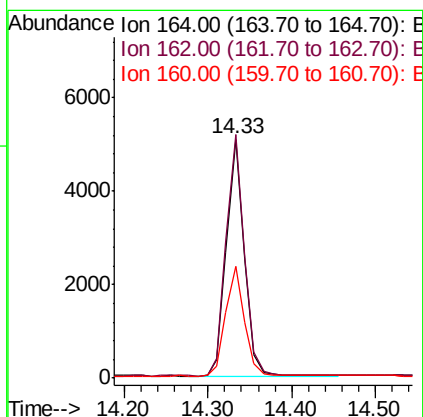
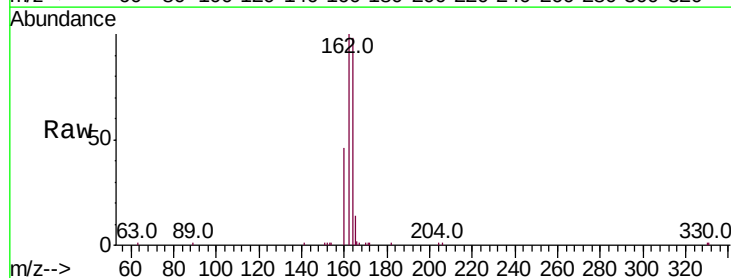
Instrument :
BNA_N
ClientSampleId :
C-MW-10_030719

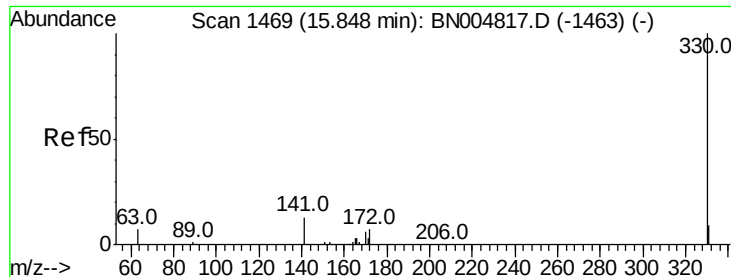
Tot Ion:152 Resp: 7667
Ion Ratio Lower Upper
152 100
151 19.4 15.5 23.3



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BN004893.D
Acq: 22 Mar 2019 20:48

Tgt Ion:164 Resp: 7456
Ion Ratio Lower Upper
164 100
162 102.1 81.9 122.9
160 46.8 36.6 54.8

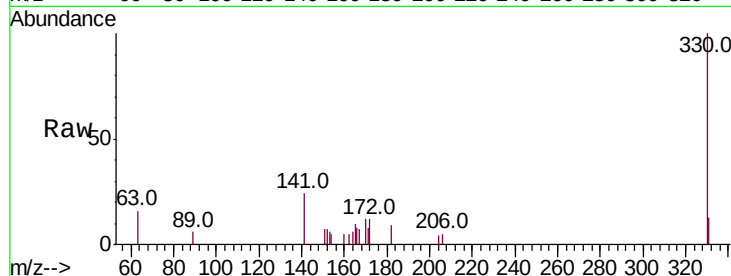




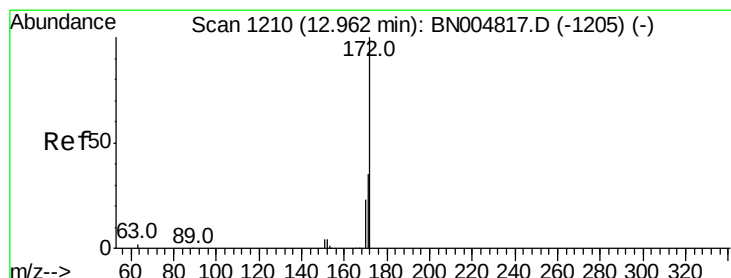
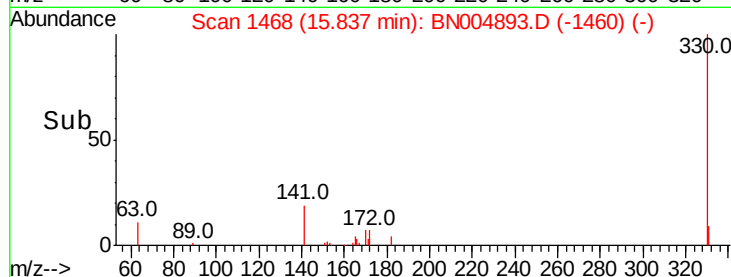
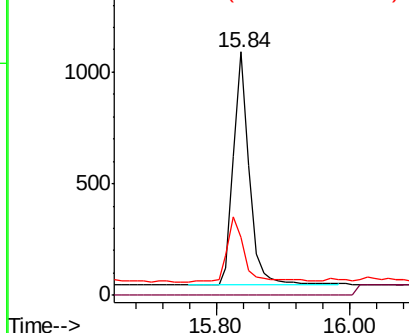
#14
 2,4,6-Tribromophenol
 Concen: 0.333 ng
 RT: 15.84 min Scan# 1468
 Delta R.T. -0.01 min
 Lab File: BN004893.D
 Acq: 22 Mar 2019 20:48

Instrument :
 BNA_N
 ClientSampleId :
 C-MW-10_030719

Tot Ion:330 Resp: 1717
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 29.2 20.9 31.3

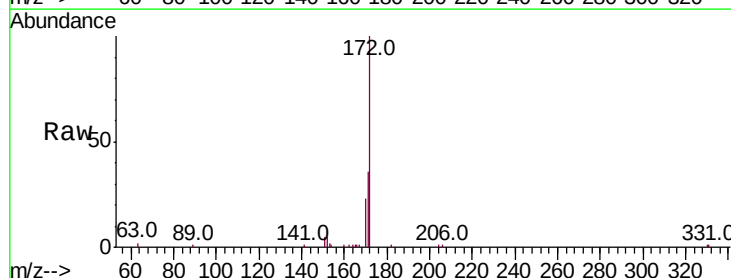


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

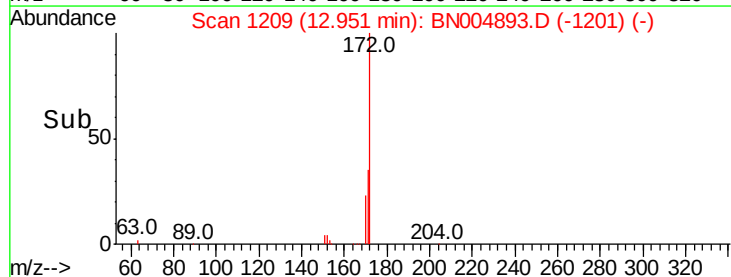
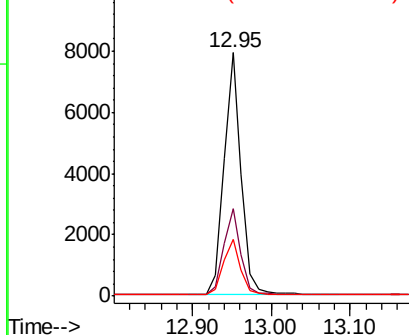


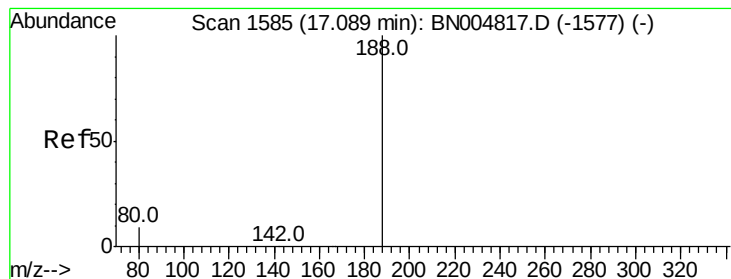
#15
 2-Fluorobiphenyl
 Concen: 0.394 ng
 RT: 12.95 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BN004893.D
 Acq: 22 Mar 2019 20:48

Tgt Ion:172 Resp: 12126
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.7 43.1
 170 23.0 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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

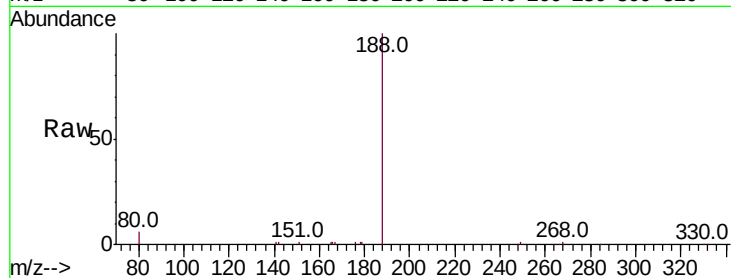
Tot Ion:188 Resp: 19004

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

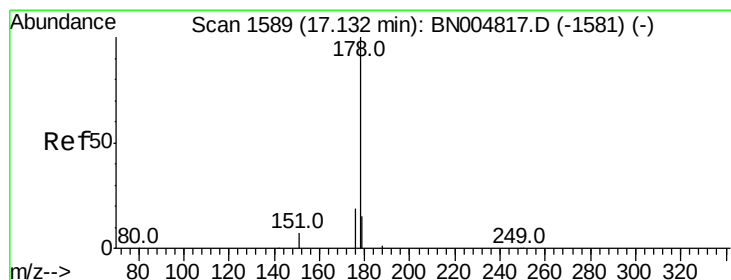
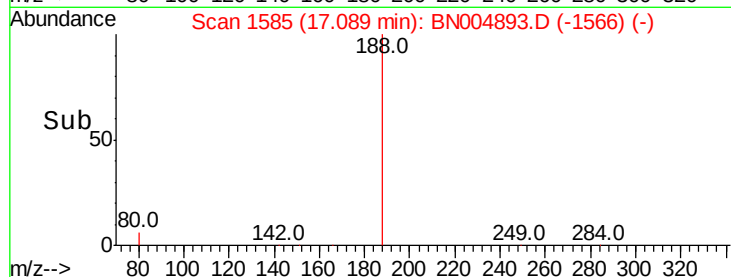
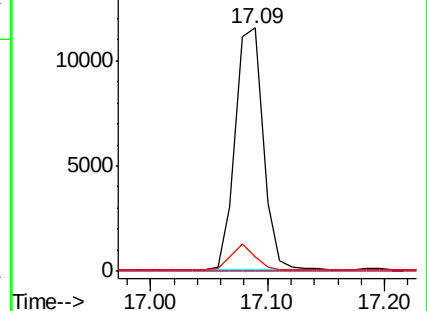
80 6.2 7.4 11.2#



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: 0.187 ng

RT: 17.13 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

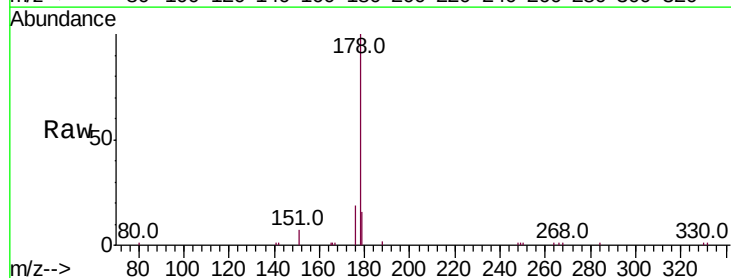
Tgt Ion:178 Resp: 11502

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

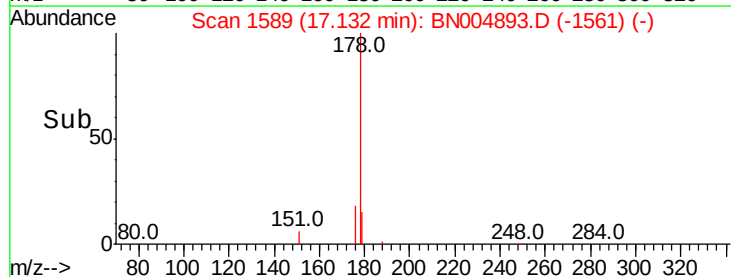
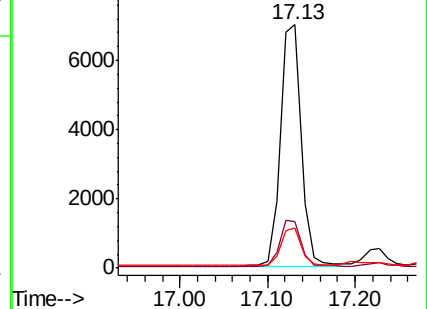
179 15.8 12.1 18.1

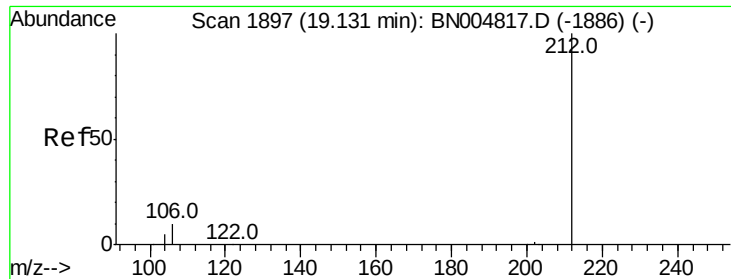


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.385 ng

RT: 19.12 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

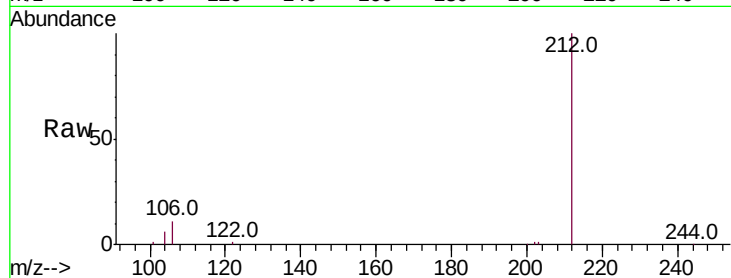
Tot Ion:212 Resp: 24532

Ion Ratio Lower Upper

212 100

106 11.5 8.6 13.0

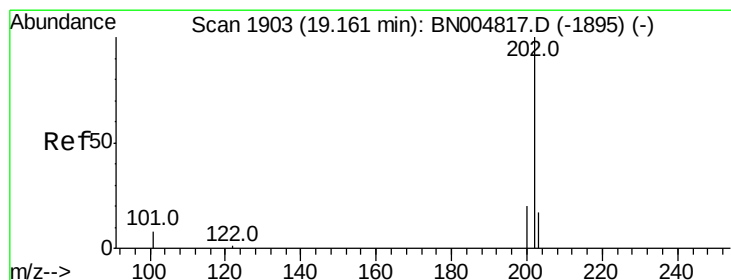
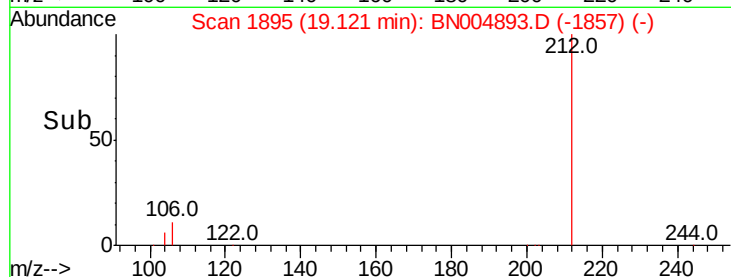
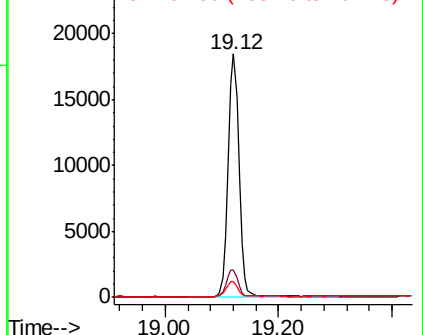
104 6.4 4.7 7.1



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: 0.466 ng

RT: 19.15 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

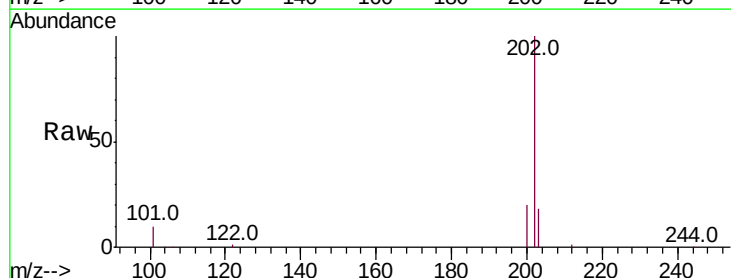
Tgt Ion:202 Resp: 36778

Ion Ratio Lower Upper

202 100

101 10.0 7.5 11.3

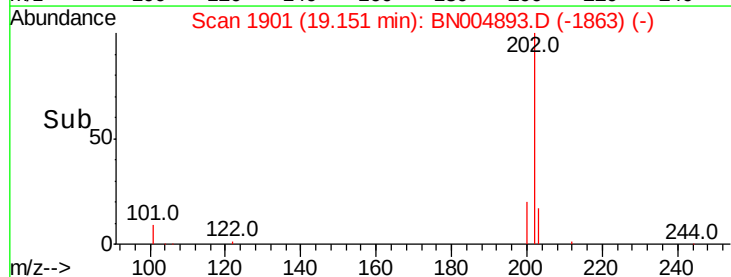
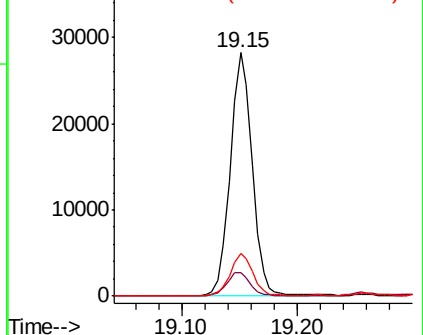
203 17.2 13.8 20.6

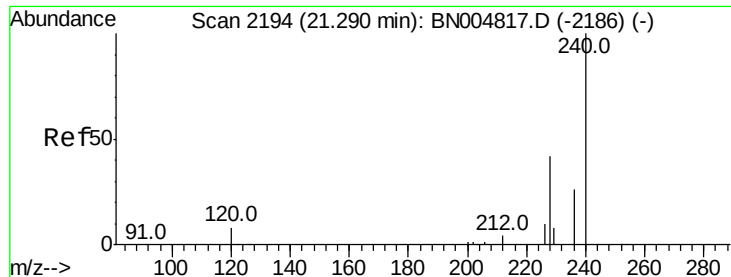


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.29 min Scan# 2194

Delta R.T. 0.00 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

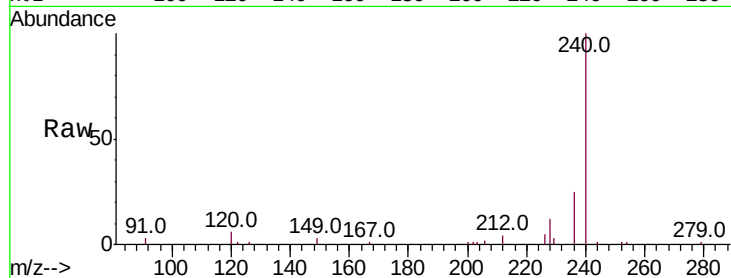
Tot Ion:240 Resp: 25147

Ion Ratio Lower Upper

240 100

120 5.8 7.2 10.8#

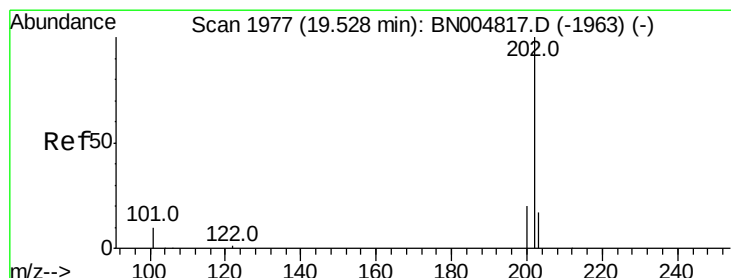
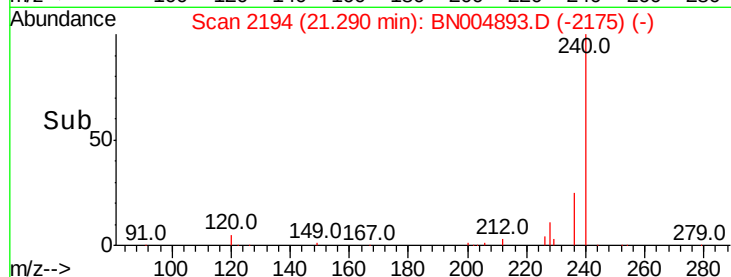
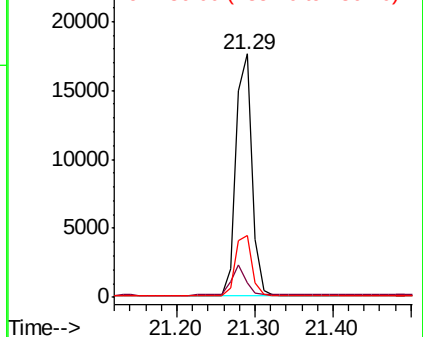
236 25.4 20.9 31.3



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: 0.368 ng

RT: 19.52 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

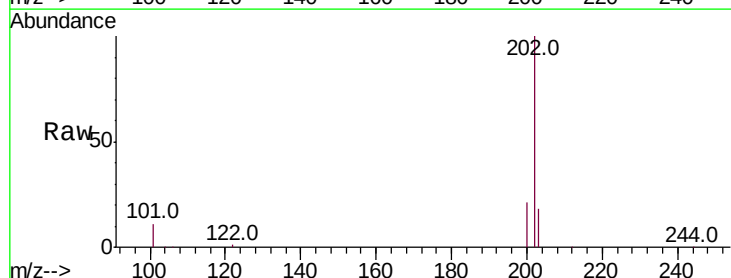
Tgt Ion:202 Resp: 28220

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

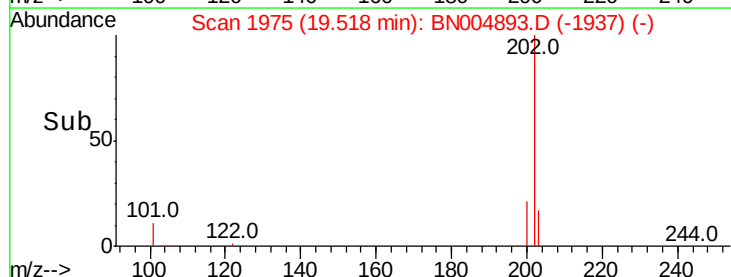
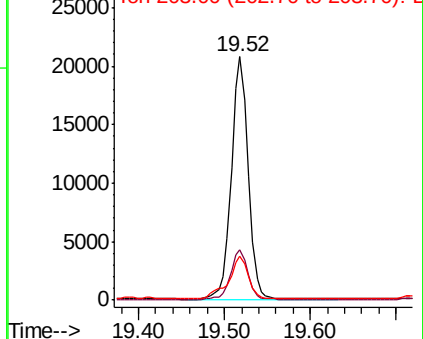
203 20.7 14.0 21.0

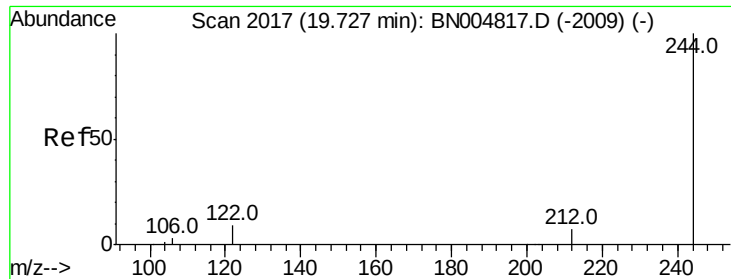


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.528 ng

RT: 19.72 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

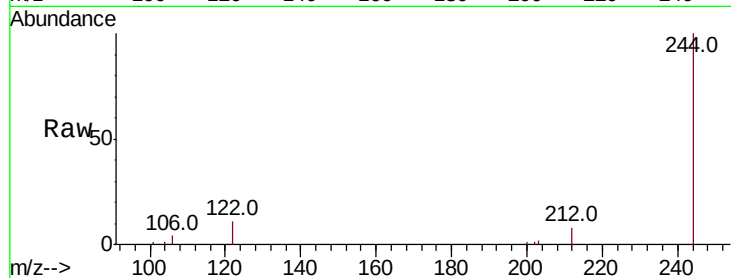
Tot Ion:244 Resp: 27172

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.6

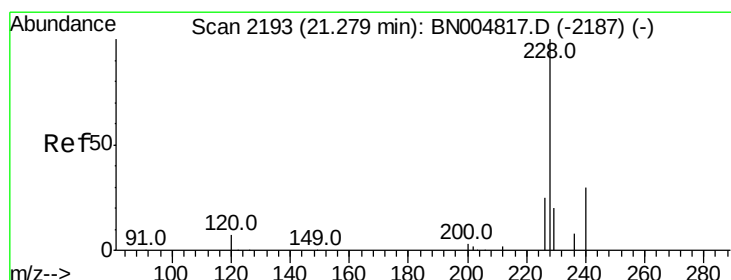
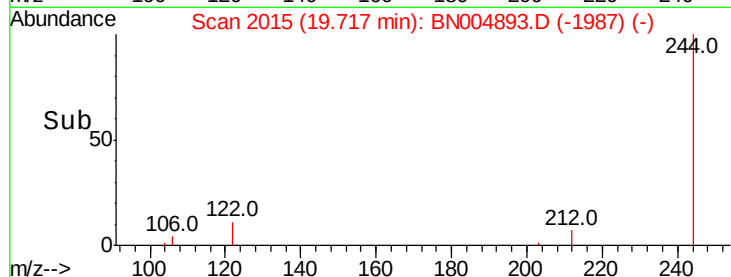
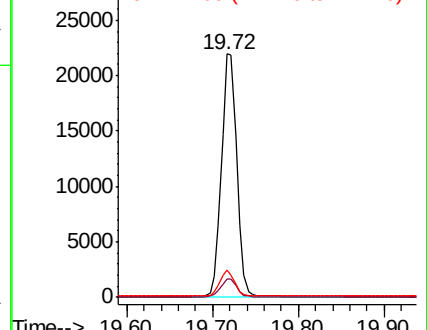
122 11.1 7.9 11.9



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: 0.122 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

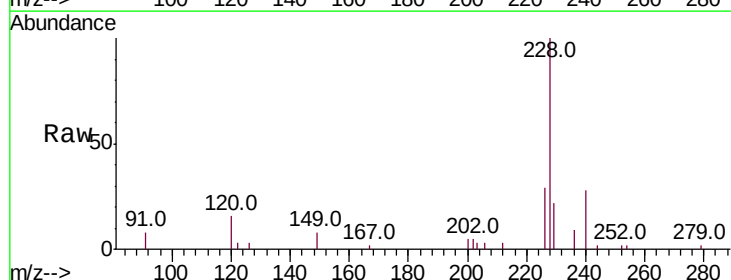
Tgt Ion:228 Resp: 10031

Ion Ratio Lower Upper

228 100

226 28.6 20.6 31.0

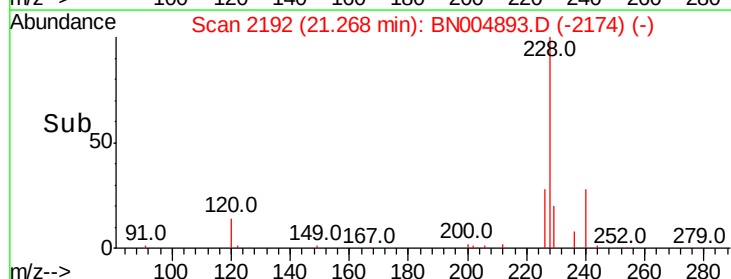
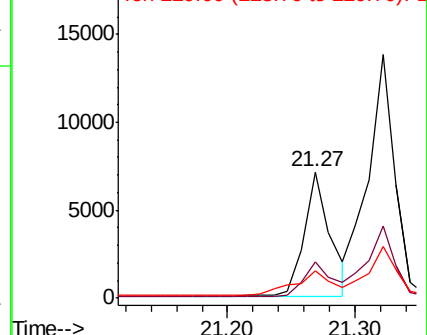
229 21.9 16.2 24.4

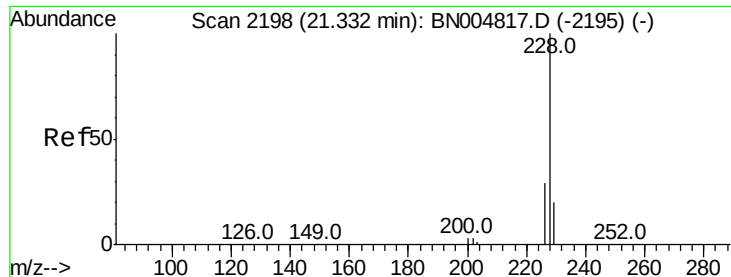


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.231 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

Instrument :

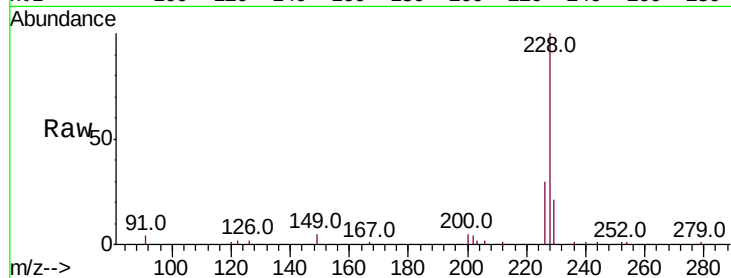
BNA_N

ClientSampleId :

C-MW-10_030719

Tot Ion:228 Resp: 20056

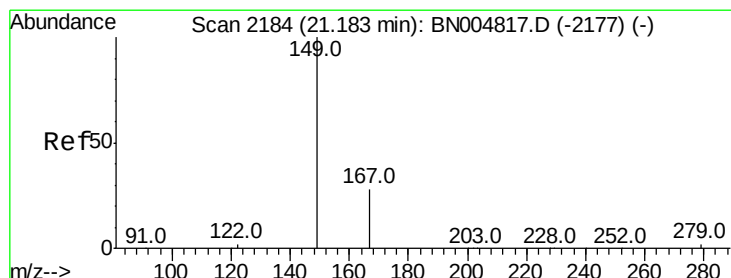
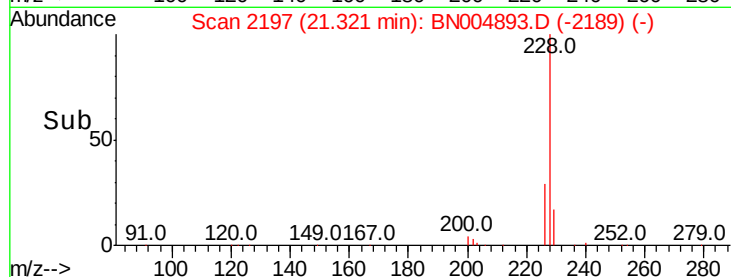
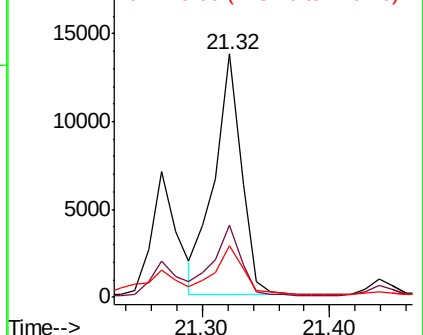
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.0	34.6
229	21.2	16.2	24.2



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: 0.098 ng

RT: 21.18 min Scan# 2184

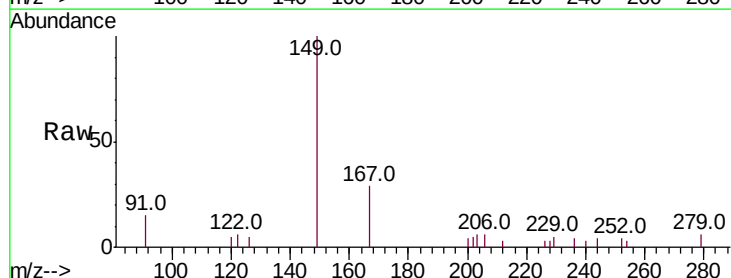
Delta R.T. 0.00 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

Tgt Ion:149 Resp: 3217

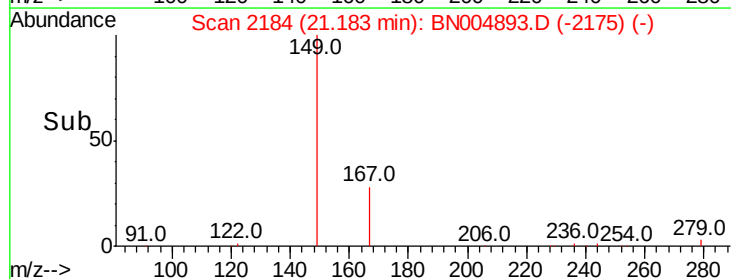
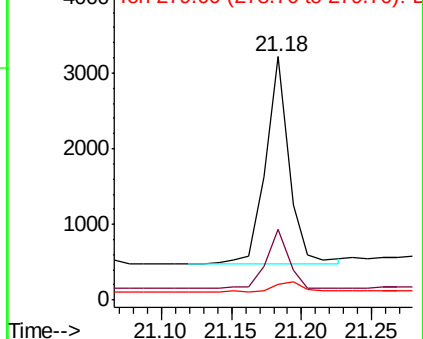
Ion	Ratio	Lower	Upper
149	100		
167	27.0	23.0	34.4
279	5.7	4.6	6.8

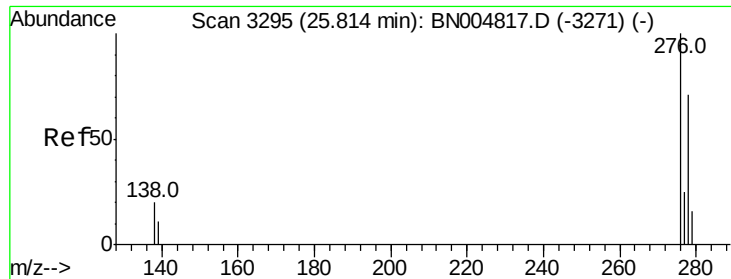


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.116 ng

RT: 25.81 min Scan# 3293

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

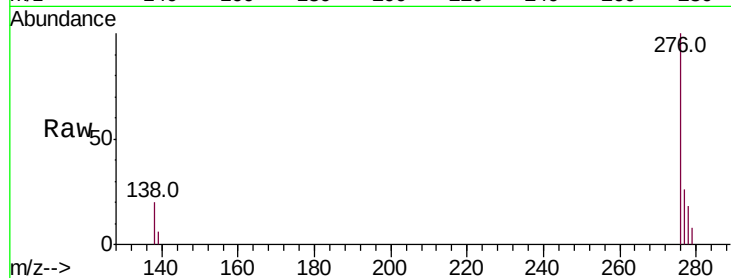
Tot Ion:276 Resp: 14524

Ion Ratio Lower Upper

276 100

138 18.5 16.6 24.8

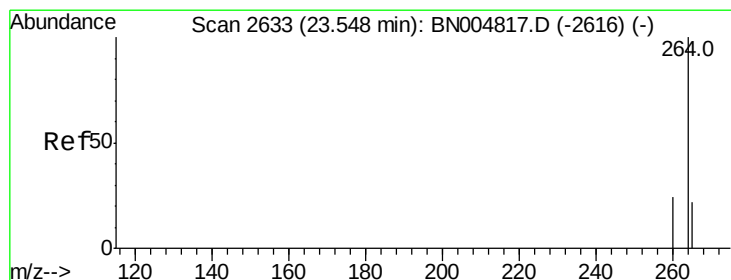
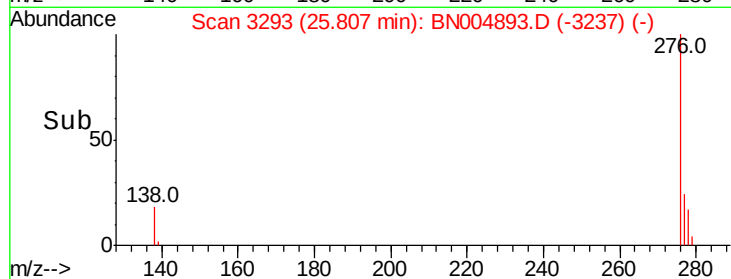
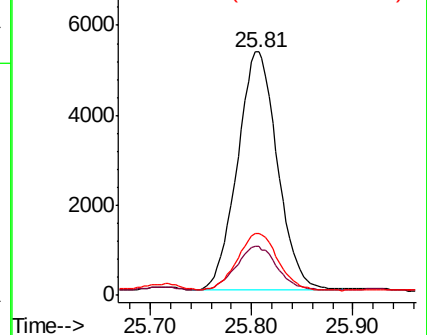
277 24.4 20.3 30.5



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: 23.54 min Scan# 2630

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

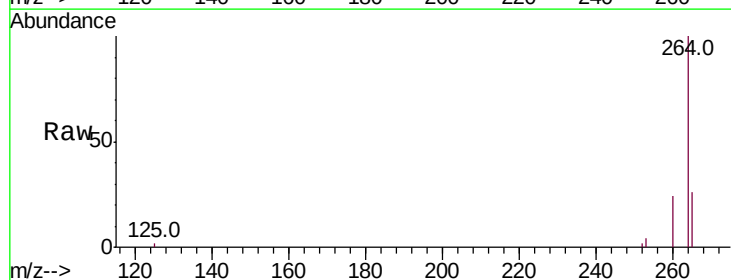
Tgt Ion:264 Resp: 25835

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

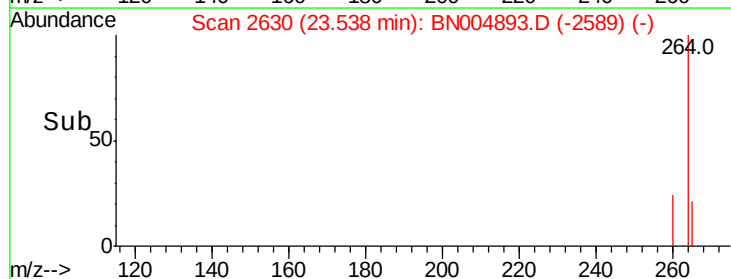
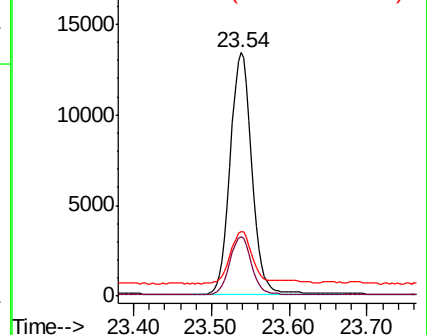
265 26.4 23.1 34.7

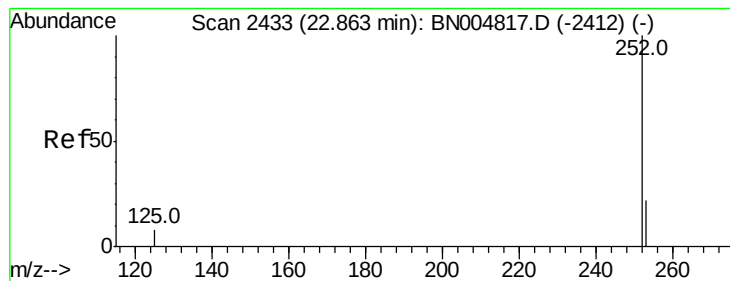


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.327 ng

RT: 22.86 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

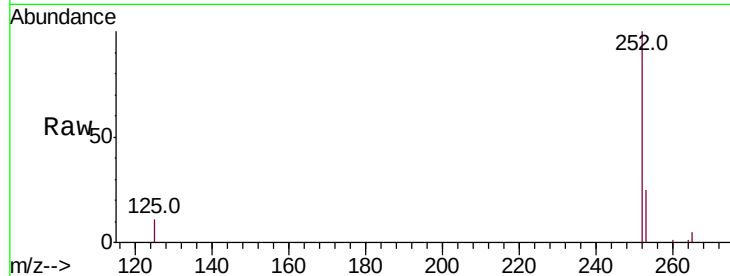
Tot Ion:252 Resp: 30595

Ion Ratio Lower Upper

252 100

253 25.4 19.0 28.4

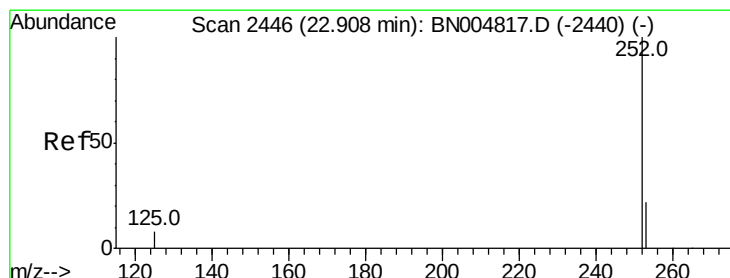
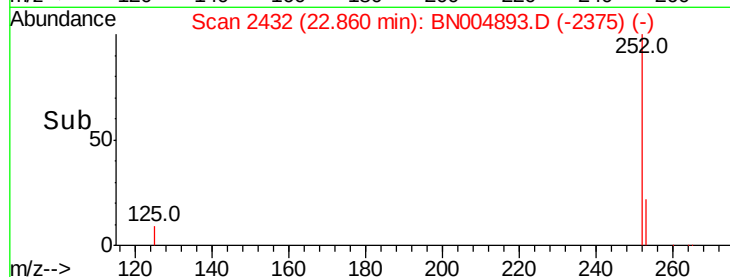
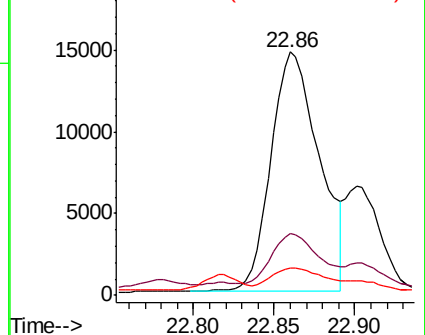
125 11.4 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.333 ng

RT: 22.86 min Scan# 2432

Delta R.T. -0.05 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

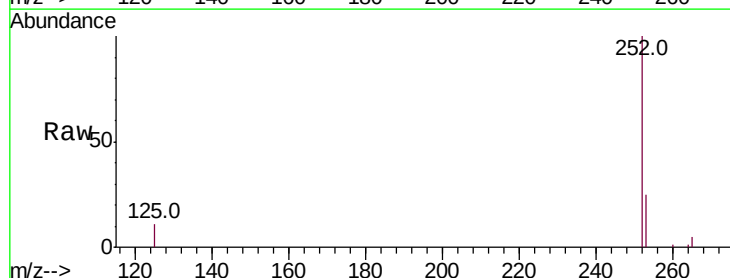
Tgt Ion:252 Resp: 30595

Ion Ratio Lower Upper

252 100

253 25.4 19.3 28.9

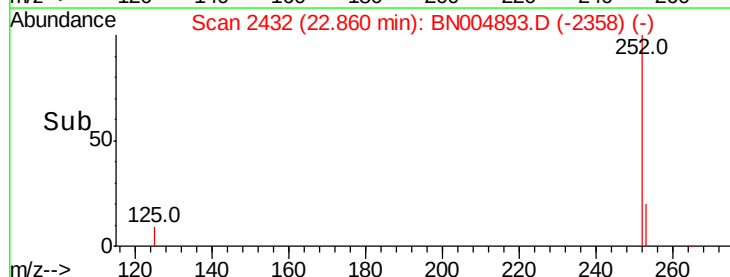
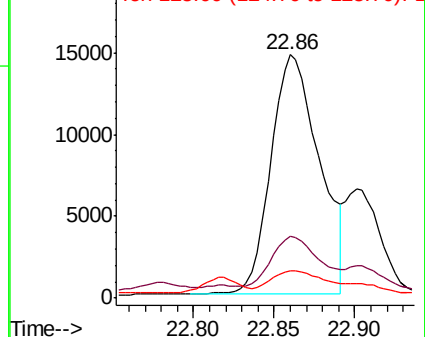
125 11.4 7.4 11.0#

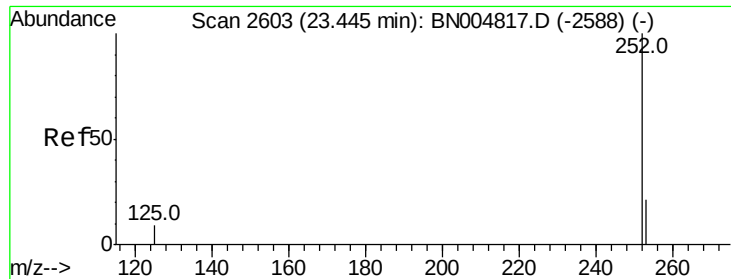


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.162 ng

RT: 23.44 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

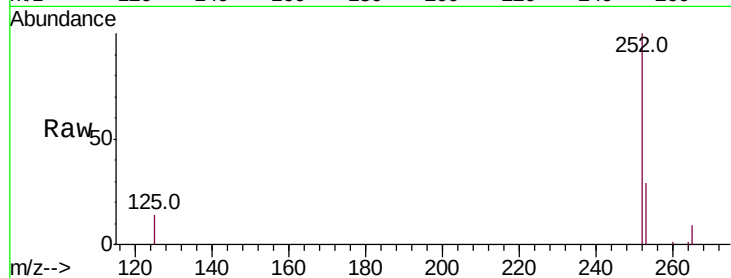
Tot Ion:252 Resp: 13892

Ion Ratio Lower Upper

252 100

253 28.7 19.7 29.5

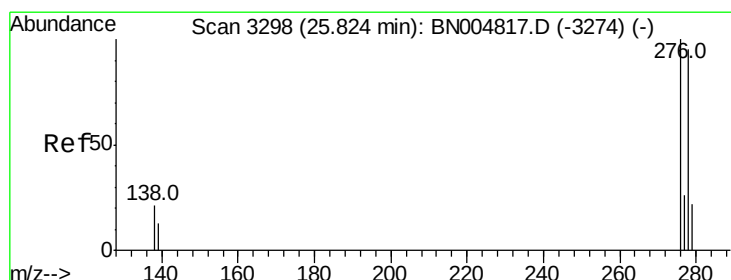
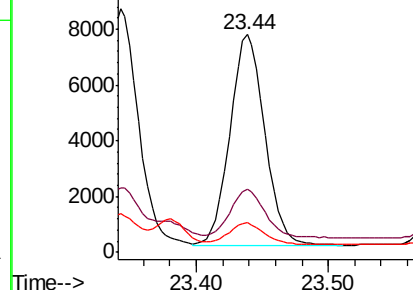
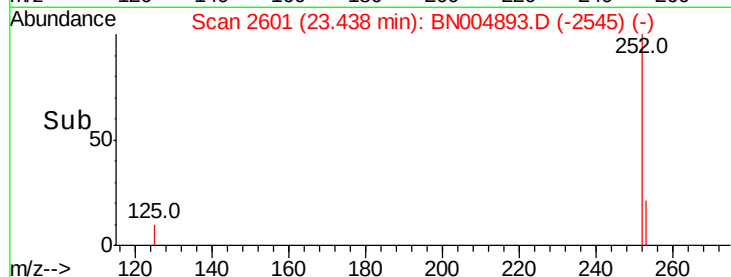
125 13.6 8.3 12.5#



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: 0.031 ng

RT: 25.81 min Scan# 3294

Delta R.T. -0.01 min

Lab File: BN004893.D

Acq: 22 Mar 2019 20:48

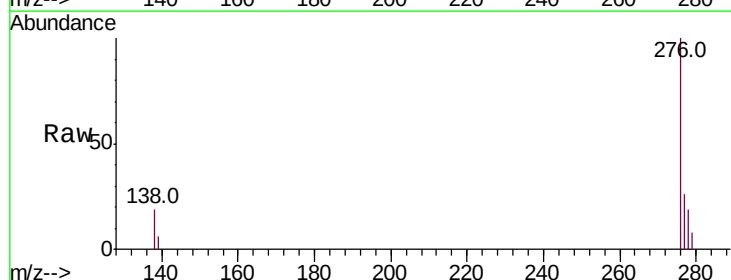
Tgt Ion:278 Resp: 3030

Ion Ratio Lower Upper

278 100

139 33.0 11.7 17.5#

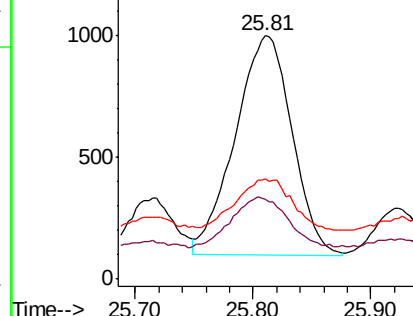
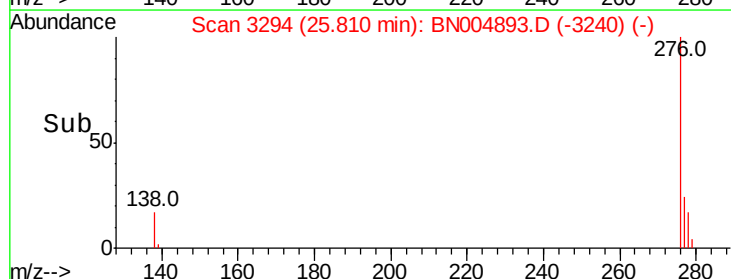
279 41.2 19.9 29.9#

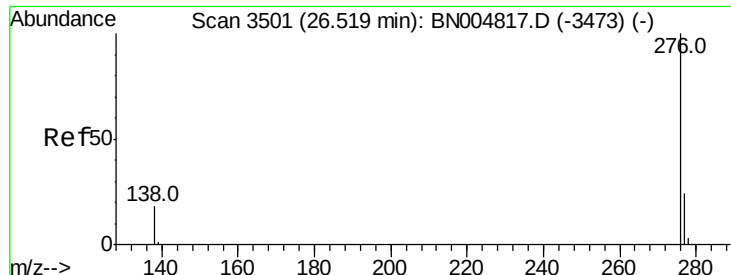


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.150 ng

RT: 26.51 min Scan# 3497

Delta R.T. -0.01 min

Lab File: BN004893.D

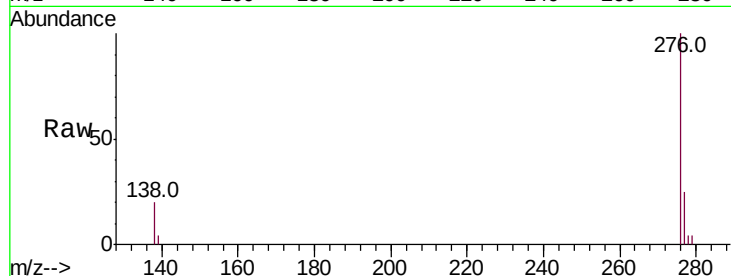
Acq: 22 Mar 2019 20:48

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719



Tot Ion:276 Resp: 15186

Ion Ratio Lower Upper

276 100

277 25.5 19.7 29.5

138 20.4 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

