

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004845.D
 Acq On : 21 Mar 2019 12:19
 Operator : JU/SJ
 Sample : K1842-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C-MW-10_030719

Quant Time: Mar 22 02:00:18 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	7.70	152	3849	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	17485	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	11005	0.40	ng	-0.01
19) Phenanthrene-d10	17.09	188	28618	0.40	ng	0.00
27) Chrysene-d12	21.29	240	38146	0.40	ng	0.00
34) Perylene-d12	23.54	264	42125	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	1721	0.16	ng	0.00
5) Phenol-d6	6.87	99	1418	0.11	ng	0.00
8) Nitrobenzene-d5	8.86	82	3952	0.34	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	10899	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	2917	0.38	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	16886	0.37	ng	-0.01
25) Fluoranthene-d10	19.12	212	37039	0.39	ng	0.00
29) Terphenyl-d14	19.72	244	39748	0.51	ng	0.00

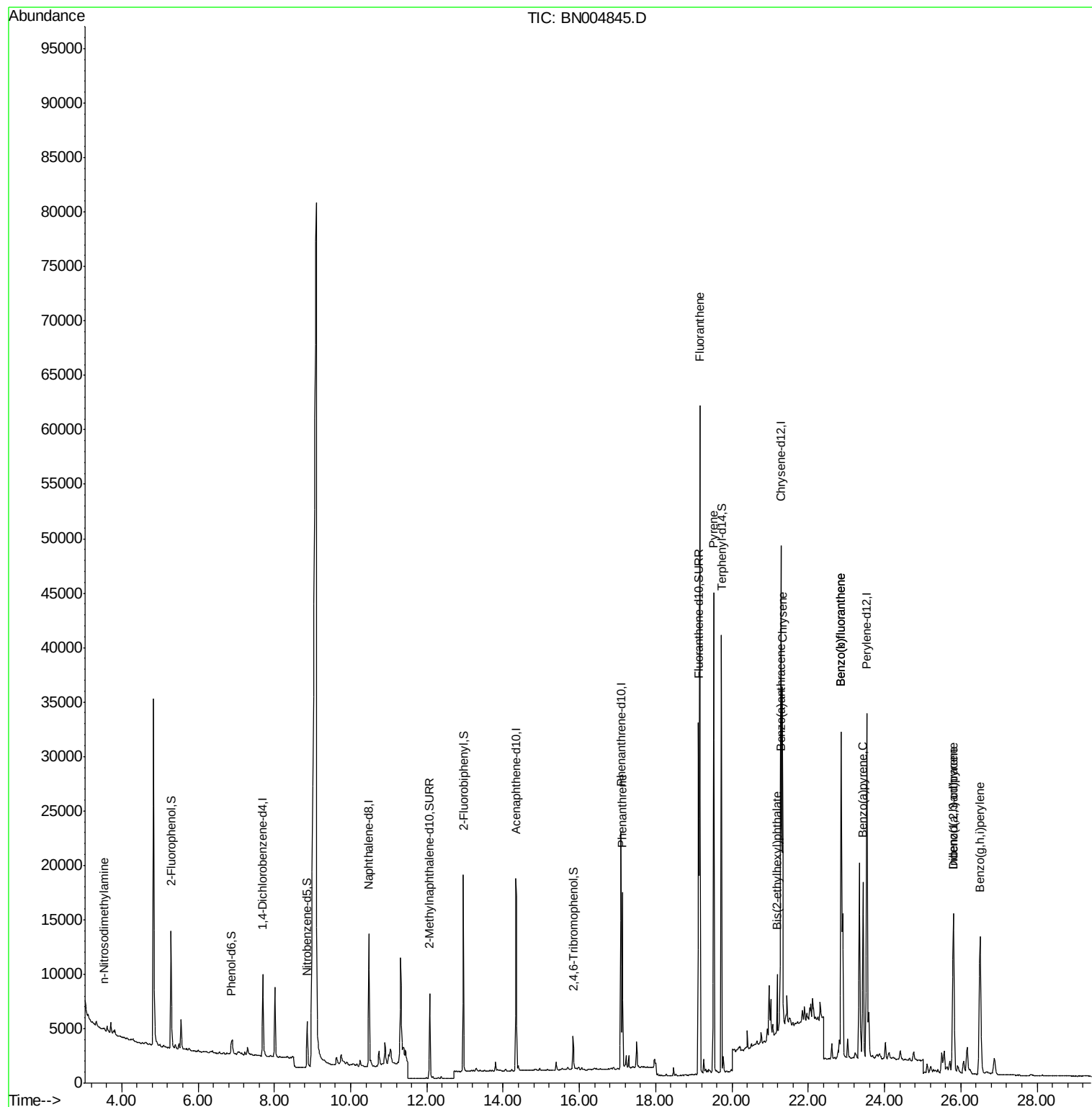
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.54	42	78	0.030	ng	# 1
23) Phenanthrene	17.13	178	16963	0.184	ng	99
26) Fluoranthene	19.16	202	55136	0.464	ng	100
28) Pyrene	19.52	202	41681	0.358	ng	# 96
30) Benzo(a)anthracene	21.27	228	15229	0.122	ng	96
31) Chrysene	21.32	228	29979	0.228	ng	98
32) Bis(2-ethylhexyl)phthalate	21.18	149	4874	0.098	ng	98
33) Indeno(1,2,3-cd)pyrene	25.80	276	24933	0.131	ng	96
35) Benzo(b)fluoranthene	22.86	252	47326	0.311	ng	98
36) Benzo(k)fluoranthene	22.86	252	47326	0.316	ng	98
37) Benzo(a)pyrene	23.44	252	22187	0.159	ng	# 95
38) Dibenzo(a,h)anthracene	25.81	278	5024	0.031	ng	# 72
39) Benzo(a,h,i)perylene	26.51	276	26548	0.161	ng	98

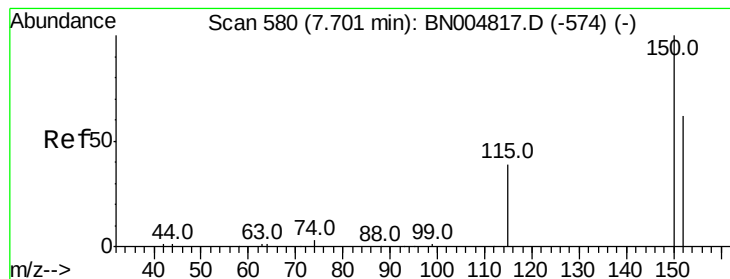
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 580

Delta R.T. 0.00 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

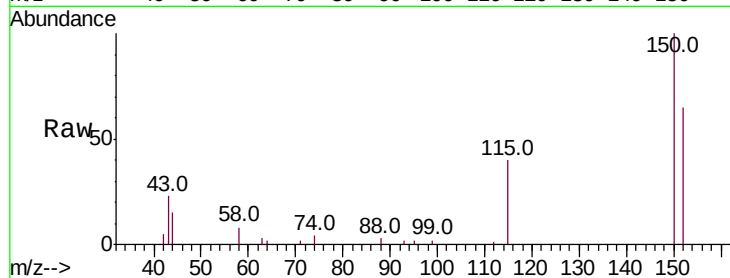
Tot Ion:152 Resp: 3849

Ion Ratio Lower Upper

152 100

150 153.7 126.2 189.4

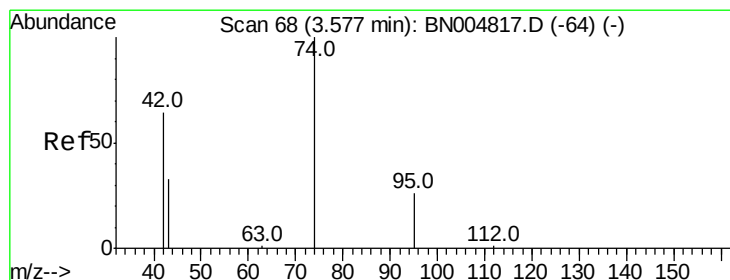
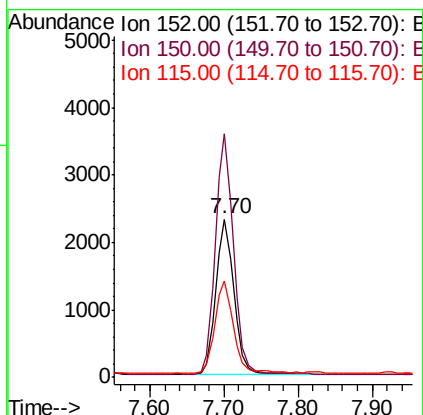
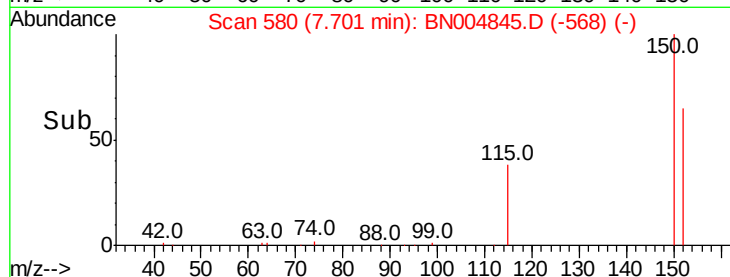
115 60.9 52.6 79.0



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



#3

n-Nitrosodimethylamine

Concen: 0.030 ng

RT: 3.54 min Scan# 63

Delta R.T. -0.04 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

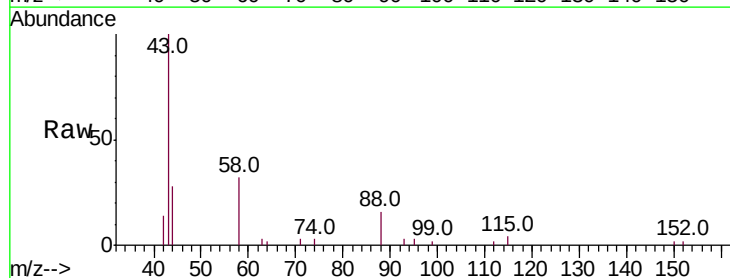
Tgt Ion: 42 Resp: 78

Ion Ratio Lower Upper

42 100

74 0.0 128.4 192.6#

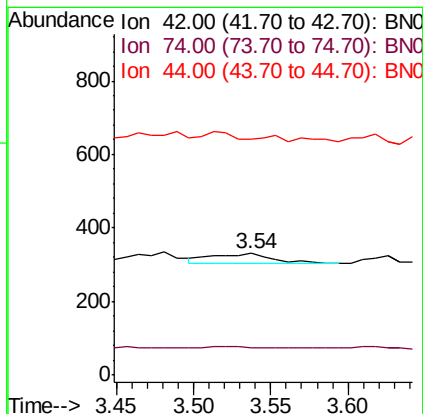
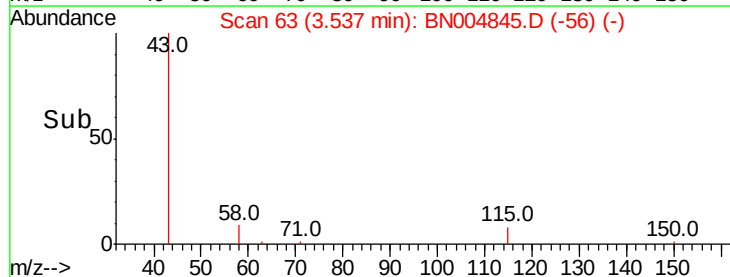
44 0.0 6.1 9.1#

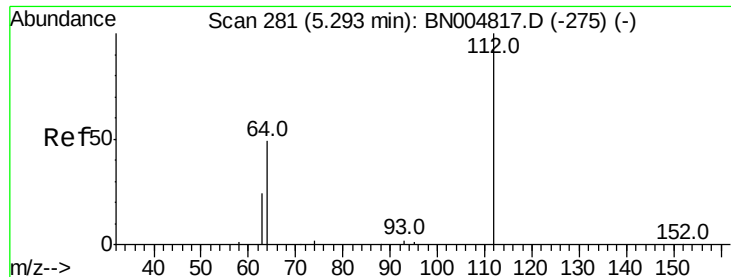


Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.165 ng

RT: 5.29 min Scan# 281

Delta R.T. 0.00 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

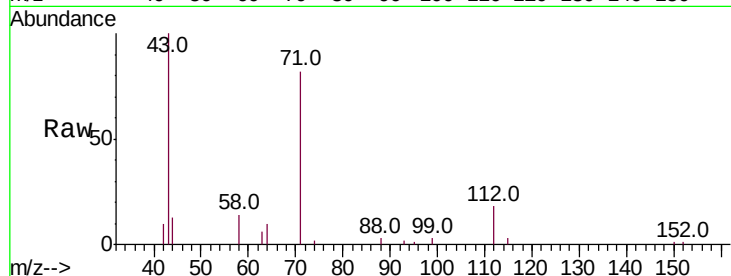
Tot Ion:112 Resp: 1721

Ion Ratio Lower Upper

112 100

64 51.4 40.0 60.0

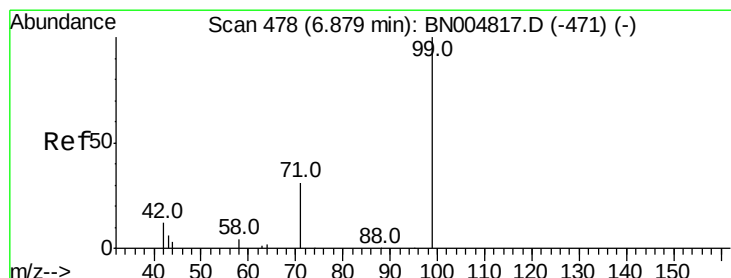
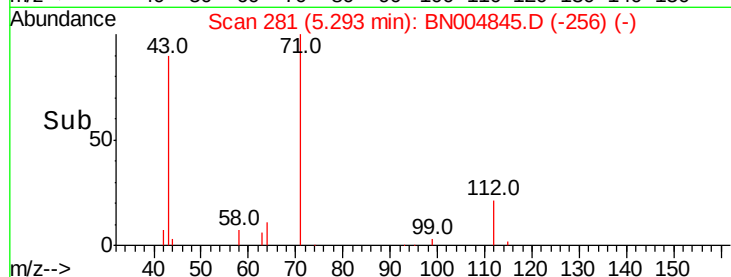
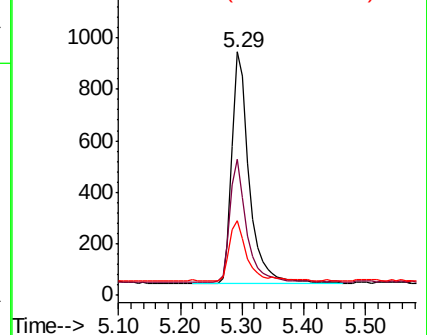
63 26.4 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.109 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

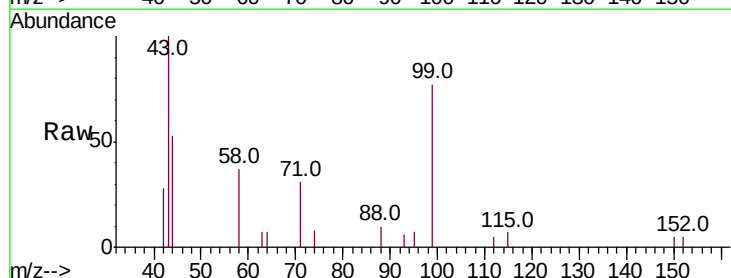
Tgt Ion: 99 Resp: 1418

Ion Ratio Lower Upper

99 100

42 16.4 12.7 19.1

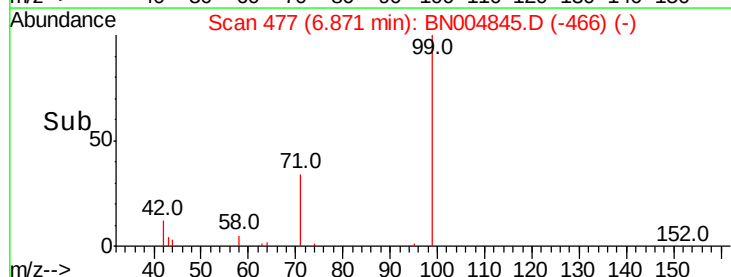
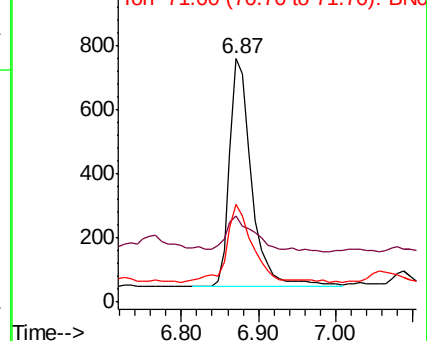
71 39.8 26.6 40.0

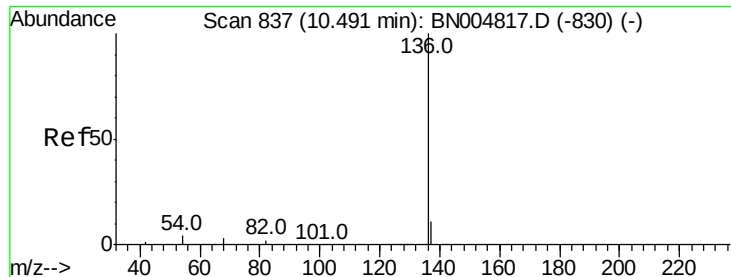


Abundance Ion 99.00 (98.70 to 99.70): BNC

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: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

Tot Ion:136 Resp: 17485

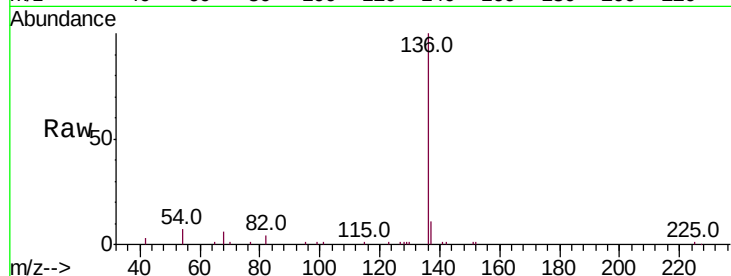
Ion Ratio Lower Upper

136 100

137 11.3 9.6 14.4

54 6.5 4.2 6.2#

68 5.6 3.9 5.9

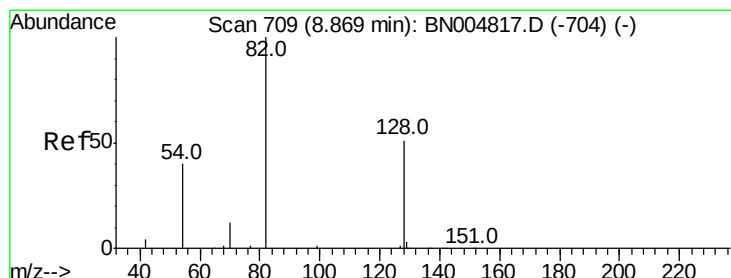
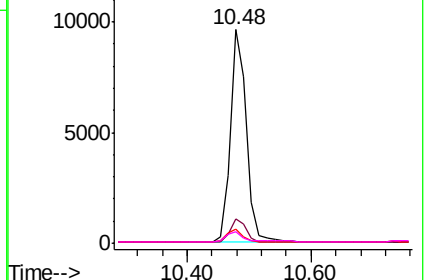
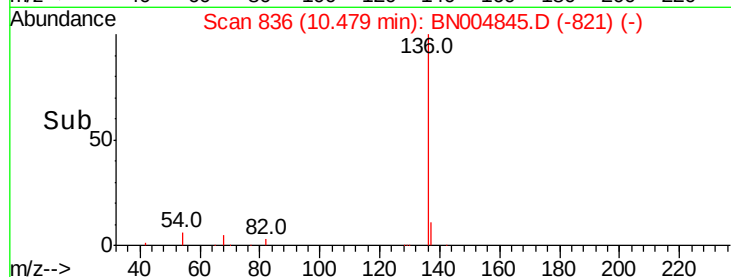


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.342 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

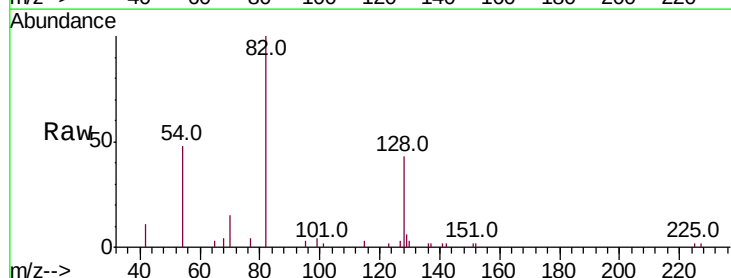
Tgt Ion: 82 Resp: 3952

Ion Ratio Lower Upper

82 100

128 43.0 43.0 64.6#

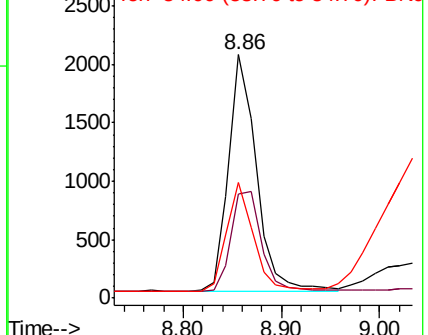
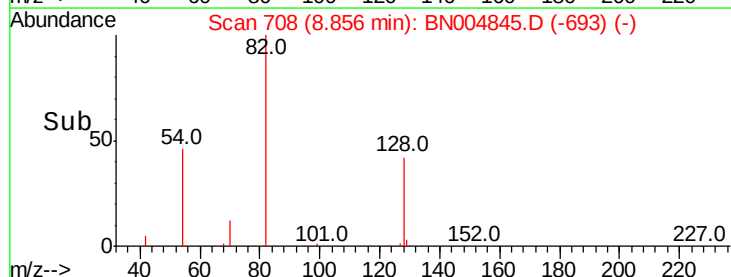
54 47.7 35.3 52.9

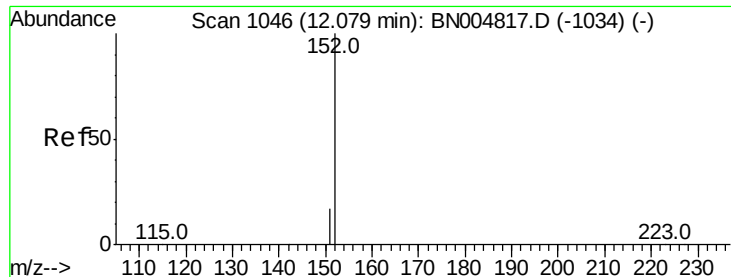


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

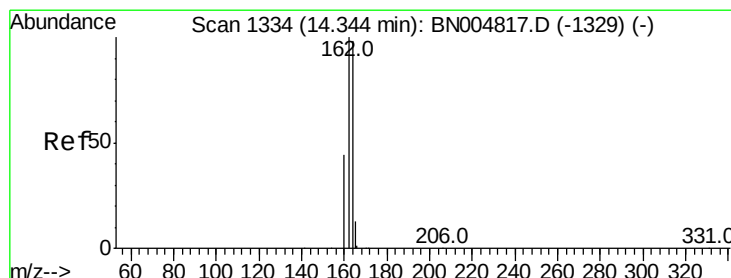
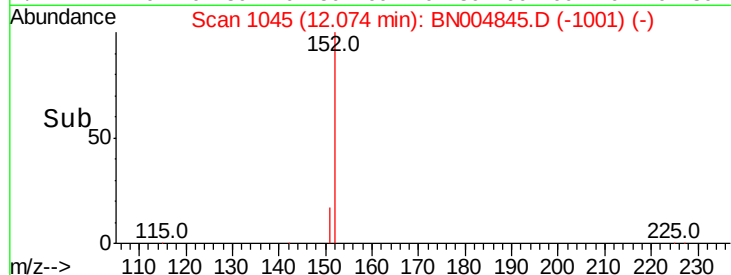
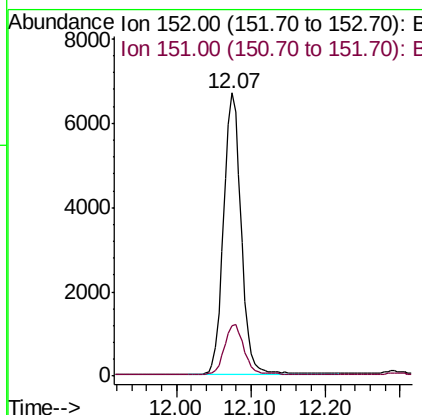
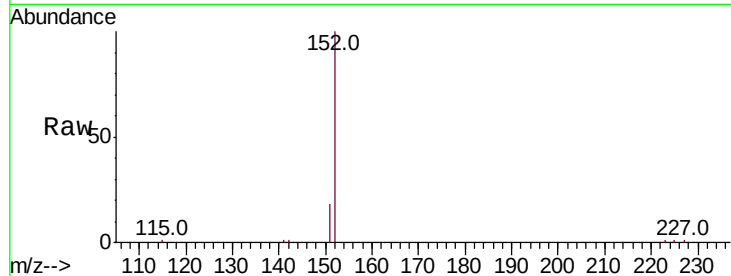




#11
2-Methylnaphthalene-d10
Concen: 0.357 ng
RT: 12.07 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

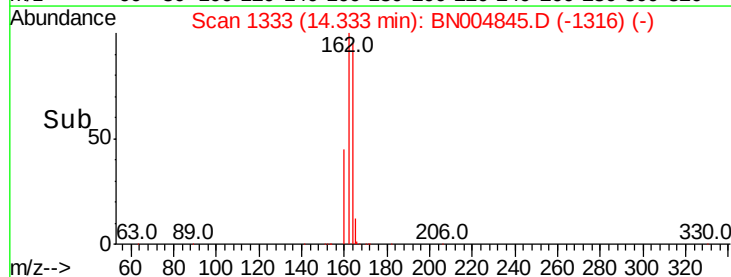
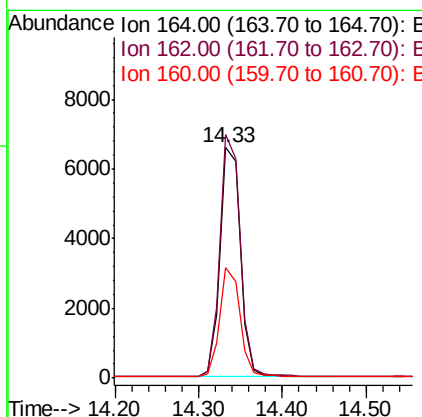
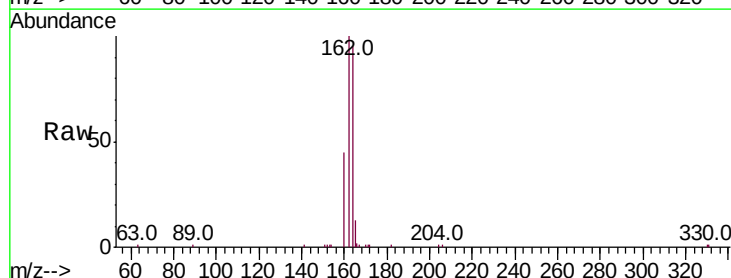
Instrument :
BNA_N
ClientSampleId :
C-MW-10_030719

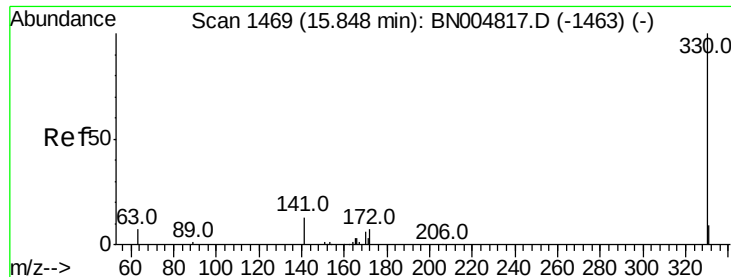
Tot Ion:152 Resp: 10899
Ion Ratio Lower Upper
152 100
151 19.3 15.5 23.3



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BN004845.D
Acq: 21 Mar 2019 12:19

Tgt Ion:164 Resp: 11005
Ion Ratio Lower Upper
164 100
162 105.6 81.9 122.9
160 47.9 36.6 54.8





#14

2,4,6-Tribromophenol

Concen: 0.384 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

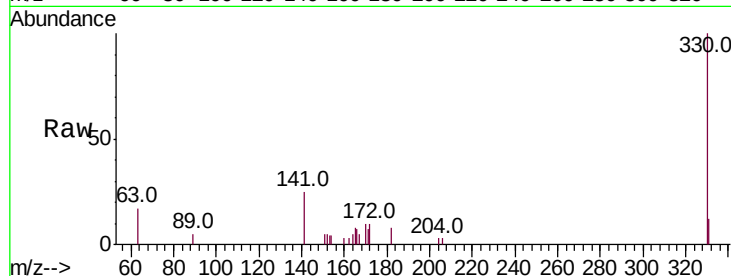
Tot Ion:330 Resp: 2917

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

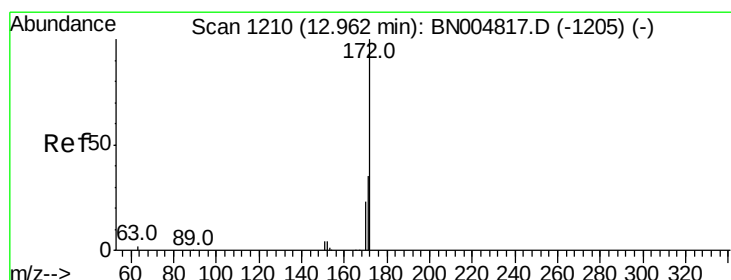
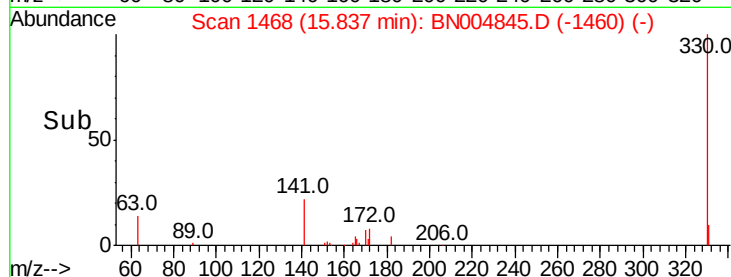
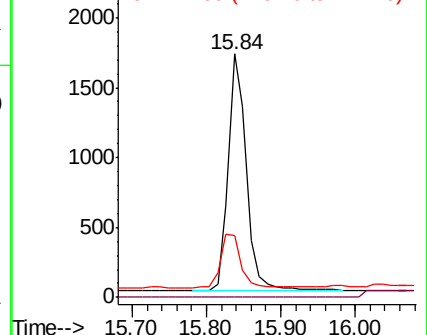
141 26.3 20.9 31.3



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: 0.371 ng

RT: 12.95 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

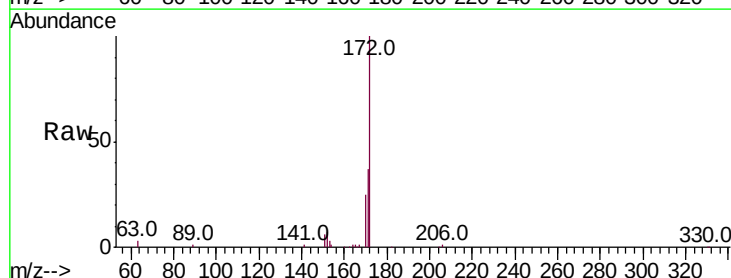
Tgt Ion:172 Resp: 16886

Ion Ratio Lower Upper

172 100

171 37.0 28.7 43.1

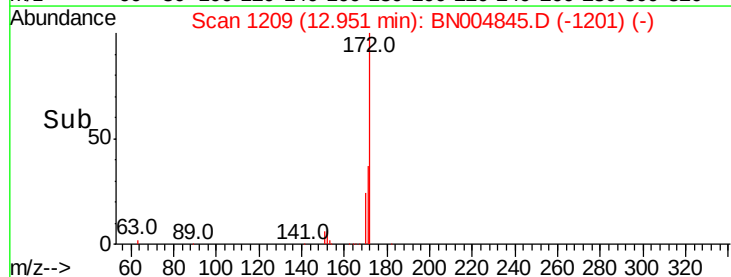
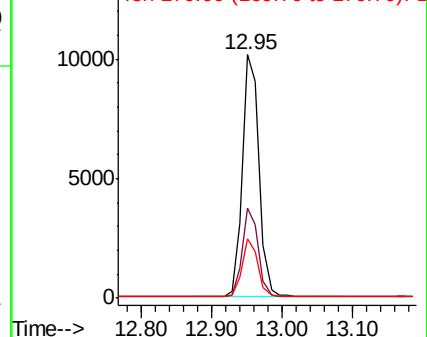
170 24.5 18.7 28.1

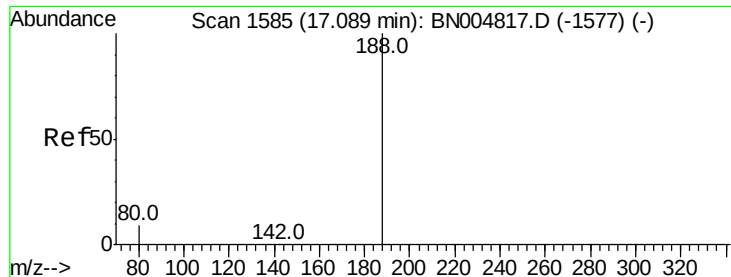


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

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ClientSampleId :

C-MW-10_030719

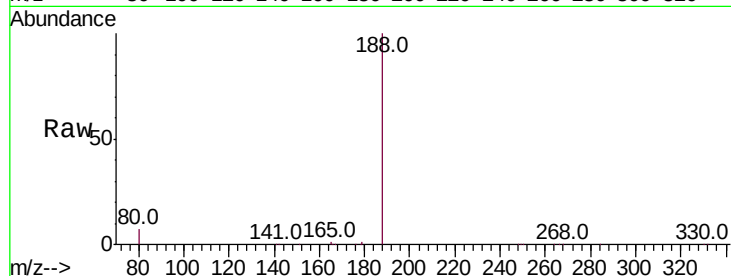
Tot Ion:188 Resp: 28618

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

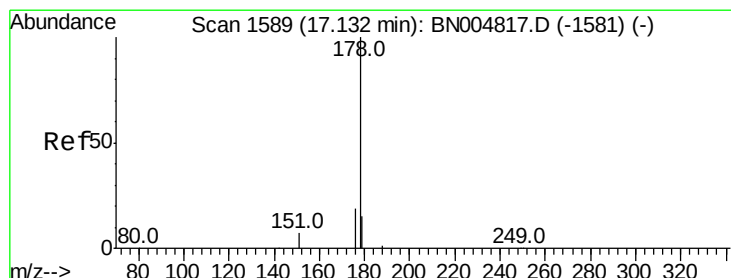
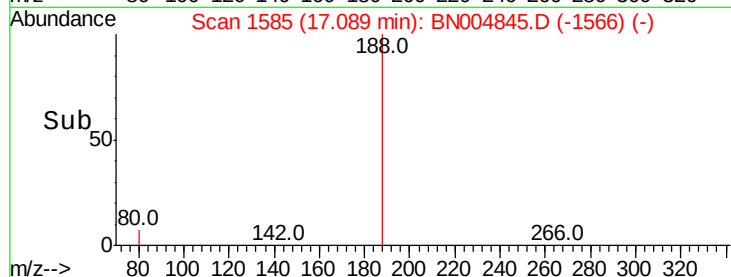
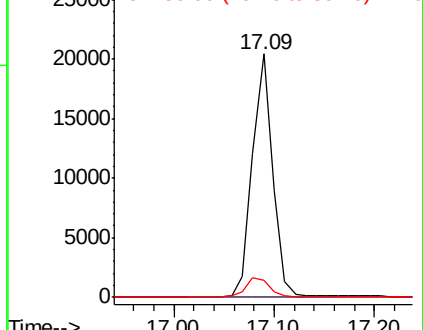
80 7.1 7.4 11.2#



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: 0.184 ng

RT: 17.13 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

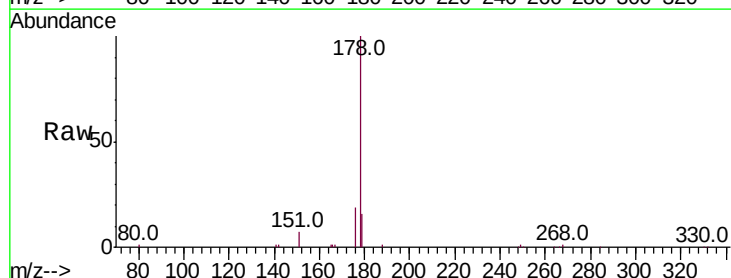
Tgt Ion:178 Resp: 16963

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

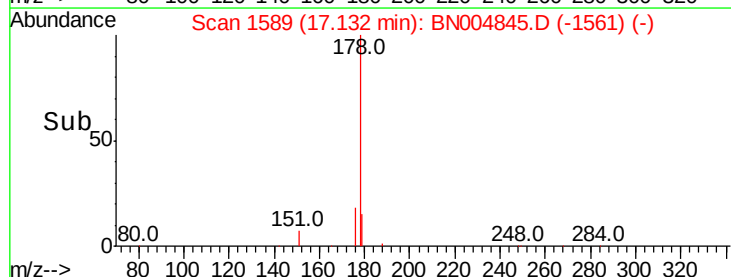
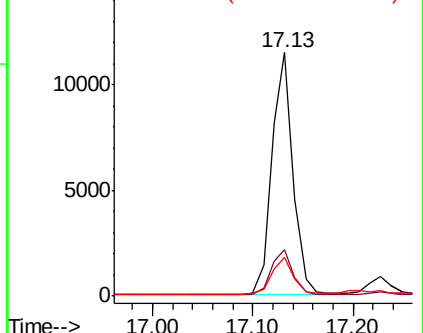
179 15.8 12.1 18.1

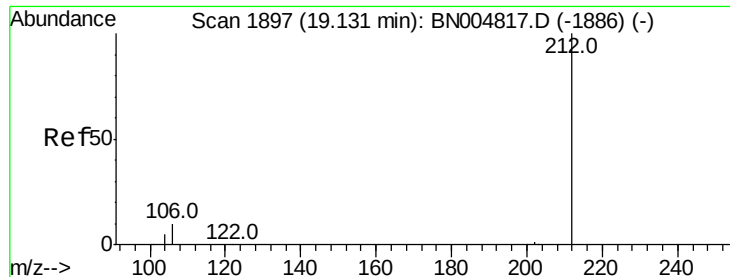


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.387 ng

RT: 19.12 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

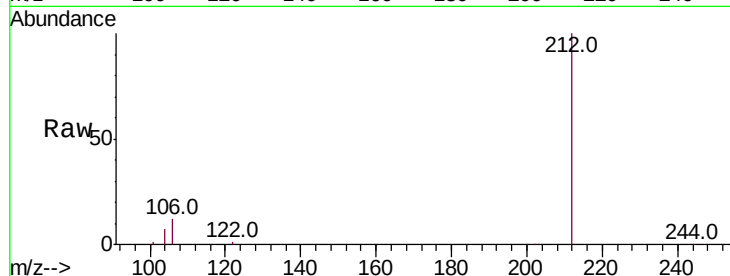
Tot Ion:212 Resp: 37039

Ion Ratio Lower Upper

212 100

106 10.9 8.6 13.0

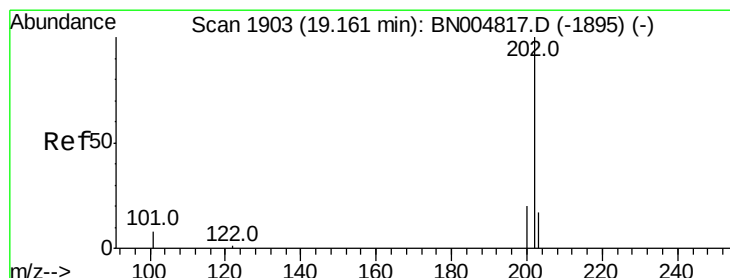
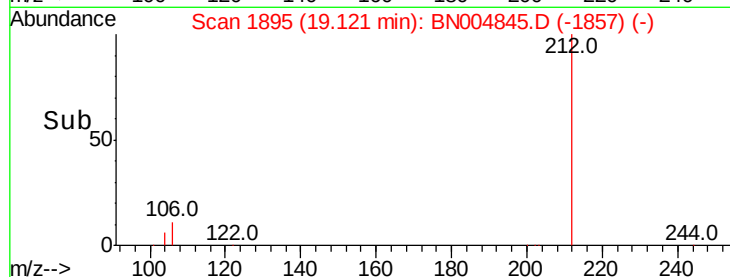
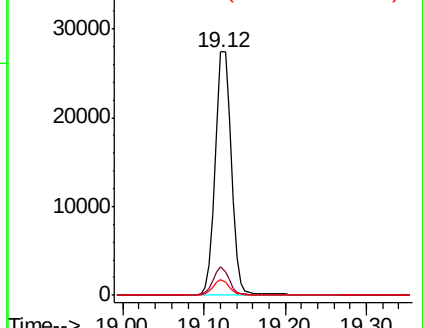
104 6.0 4.7 7.1



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: 0.464 ng

RT: 19.16 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

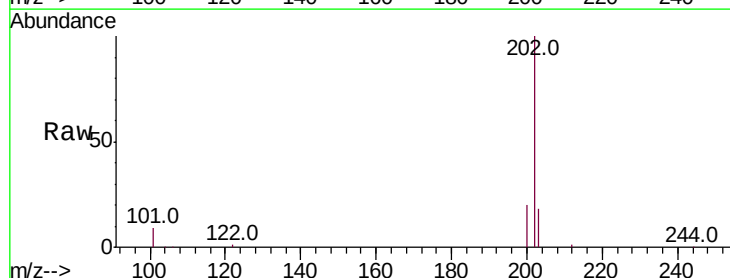
Tgt Ion:202 Resp: 55136

Ion Ratio Lower Upper

202 100

101 9.4 7.5 11.3

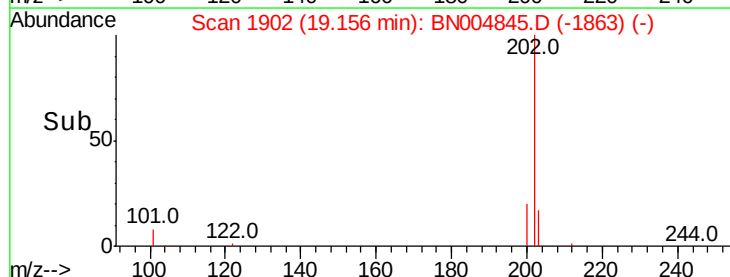
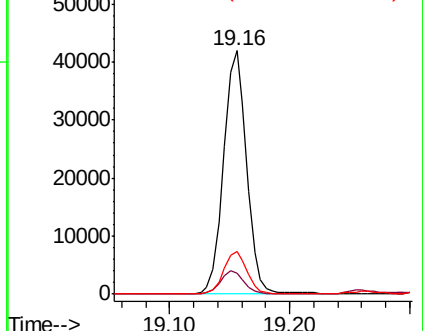
203 17.3 13.8 20.6

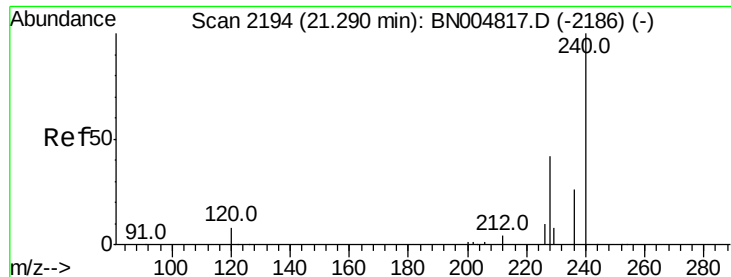


Abundance Ion 202.00 (201.70 to 202.70): E

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: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

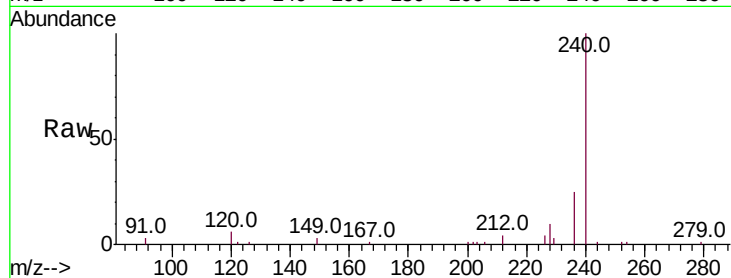
Tot Ion:240 Resp: 38146

Ion Ratio Lower Upper

240 100

120 5.6 7.2 10.8#

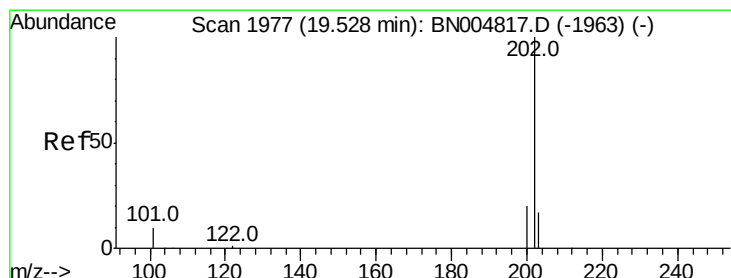
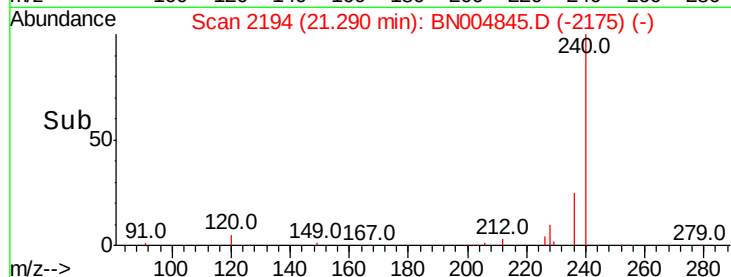
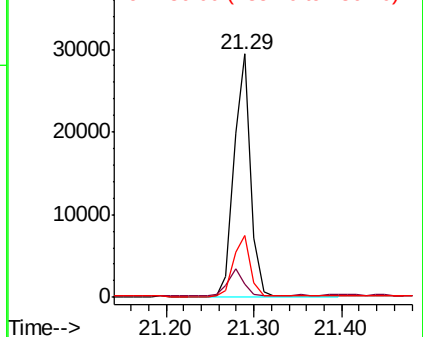
236 25.4 20.9 31.3



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: 0.358 ng

RT: 19.52 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

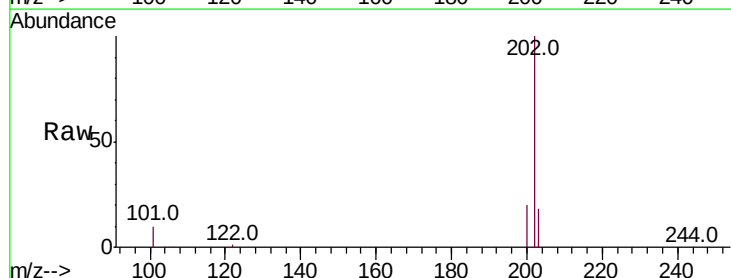
Tgt Ion:202 Resp: 41681

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

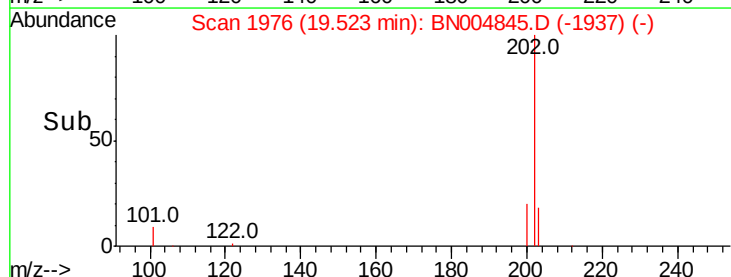
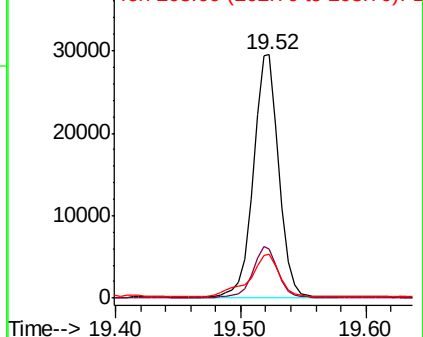
203 21.1 14.0 21.0#

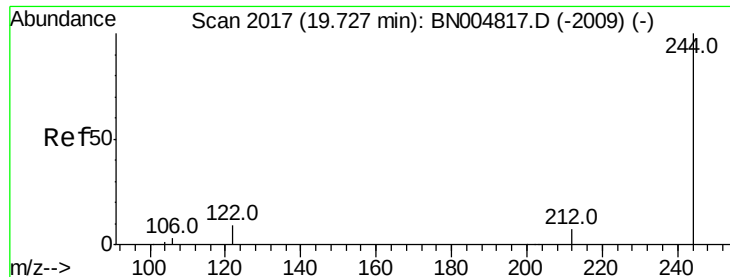


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.509 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

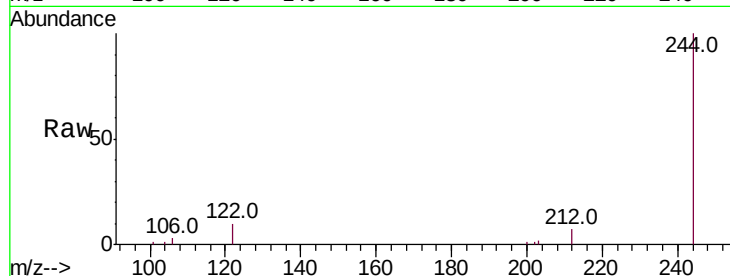
Tot Ion:244 Resp: 39748

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

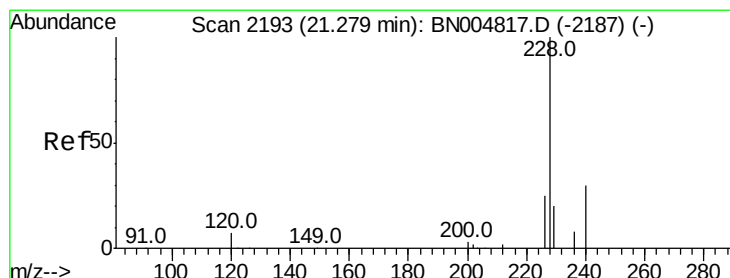
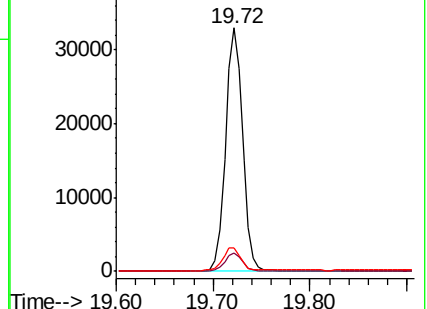
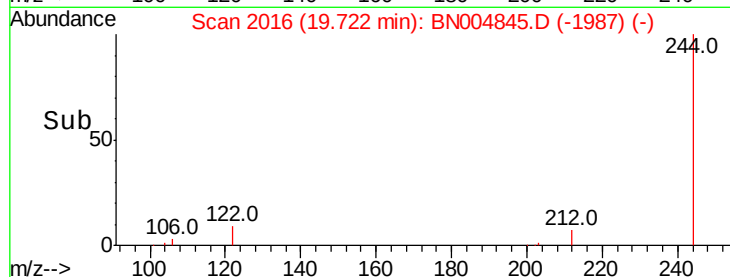
122 9.5 7.9 11.9



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: BN004845.D

Acq: 21 Mar 2019 12:19

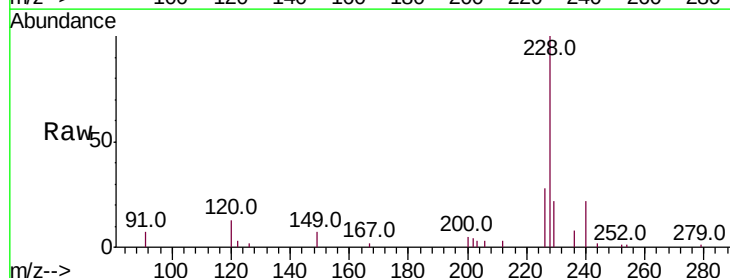
Tgt Ion:228 Resp: 15229

Ion Ratio Lower Upper

228 100

226 28.2 20.6 31.0

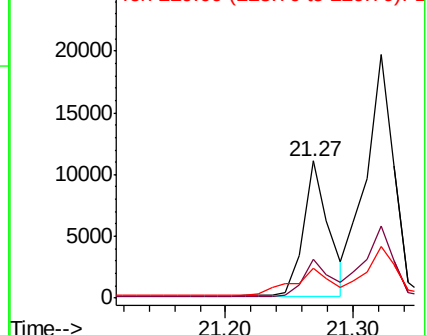
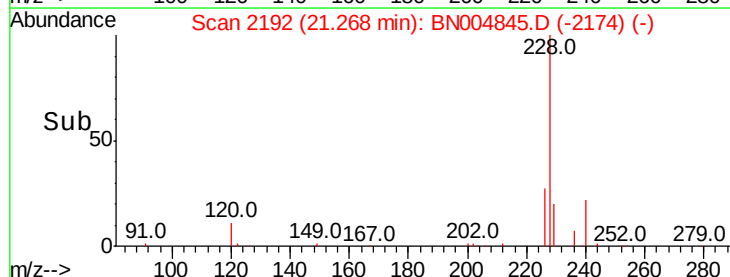
229 22.0 16.2 24.4

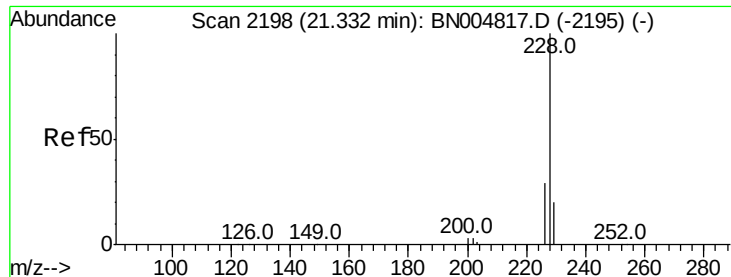


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.228 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

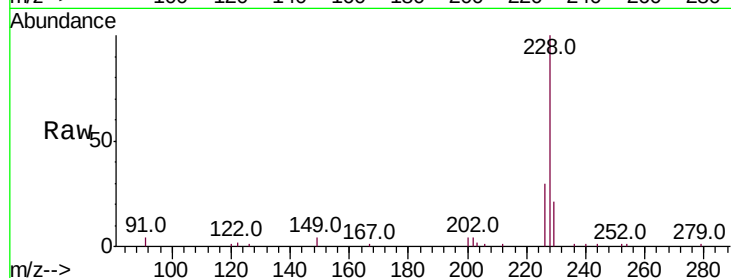
BNA_N

ClientSampleId :

C-MW-10_030719

Tot Ion:228 Resp: 29979

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.0	34.6
229	21.4	16.2	24.2

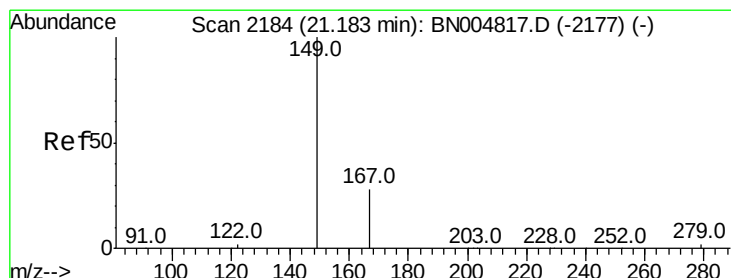
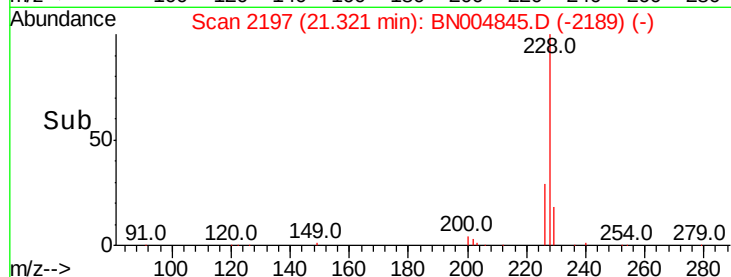
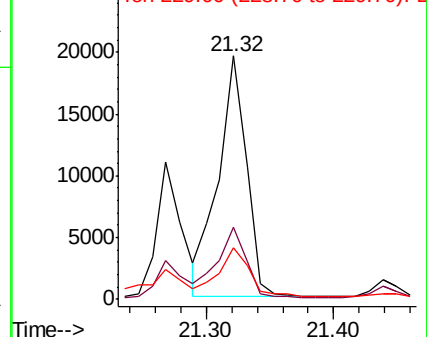


Abundance

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

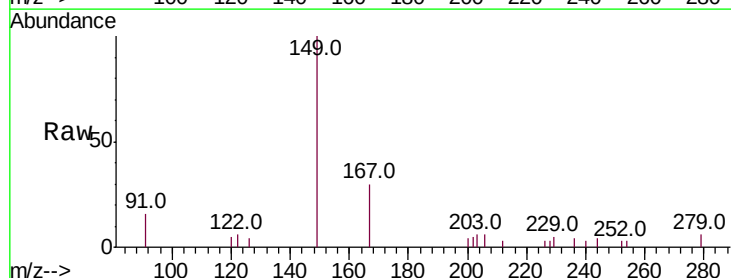
Delta R.T. 0.00 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Tgt Ion:149 Resp: 4874

Ion	Ratio	Lower	Upper
149	100		
167	27.4	23.0	34.4
279	6.2	4.6	6.8

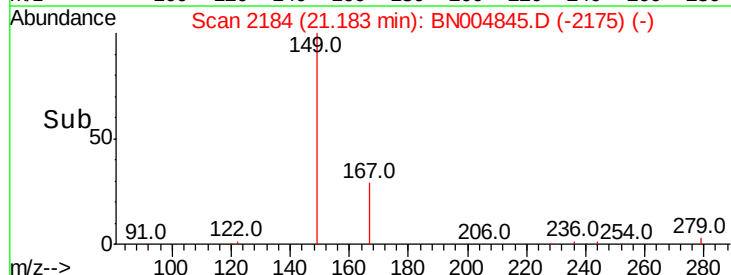
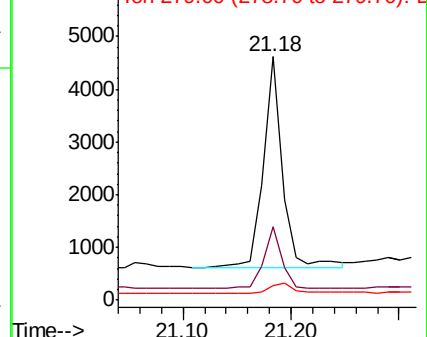


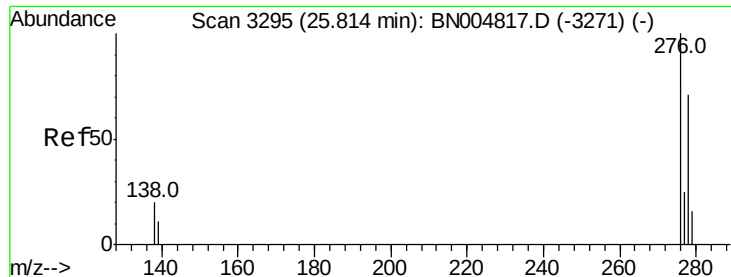
Abundance

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: 0.131 ng

RT: 25.80 min Scan# 3292

Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

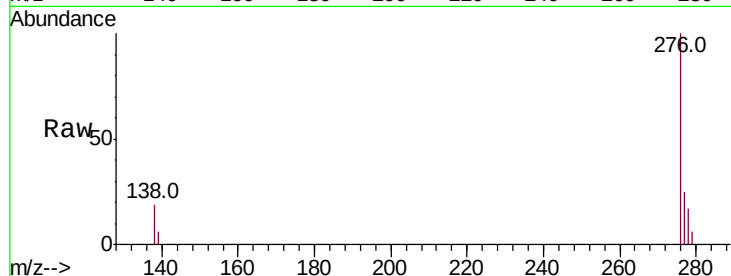
Tot Ion:276 Resp: 24933

Ion Ratio Lower Upper

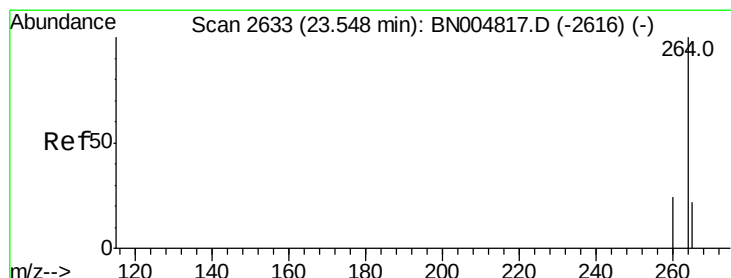
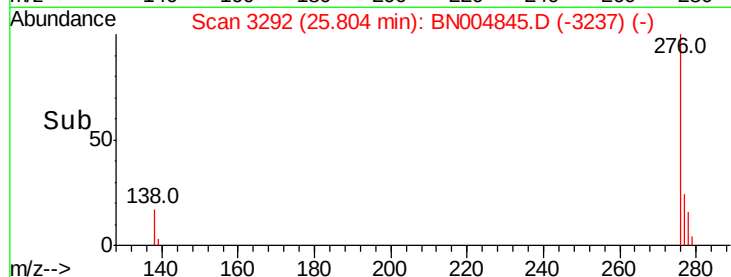
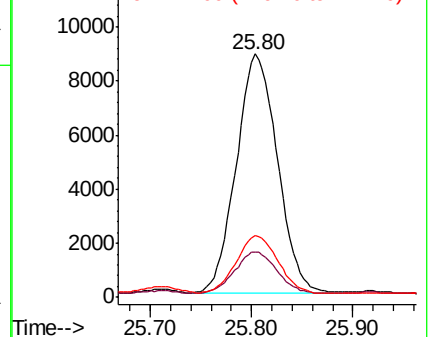
276 100

138 17.8 16.6 24.8

277 24.5 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: BN004845.D

Acq: 21 Mar 2019 12:19

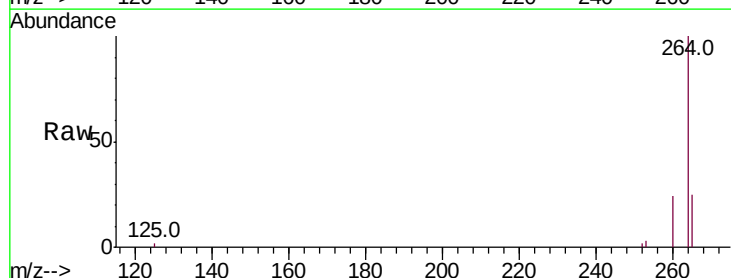
Tgt Ion:264 Resp: 42125

Ion Ratio Lower Upper

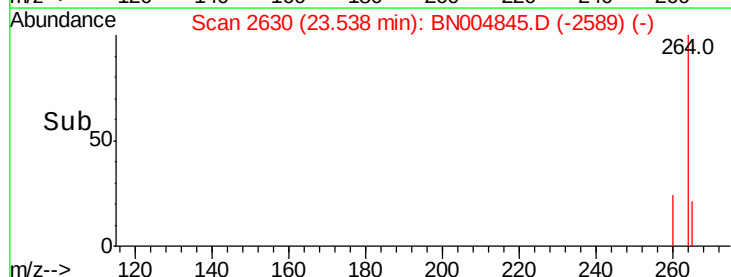
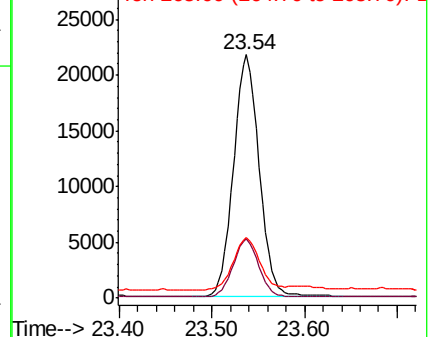
264 100

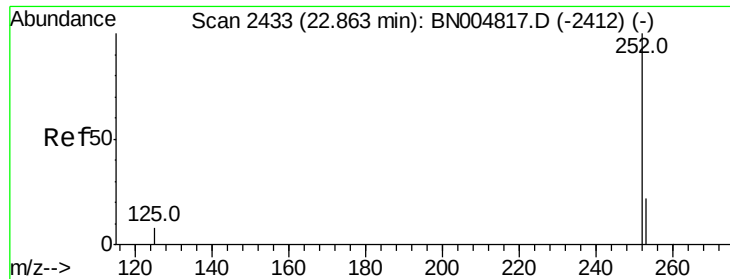
260 24.1 19.5 29.3

265 24.7 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: 0.311 ng

RT: 22.86 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

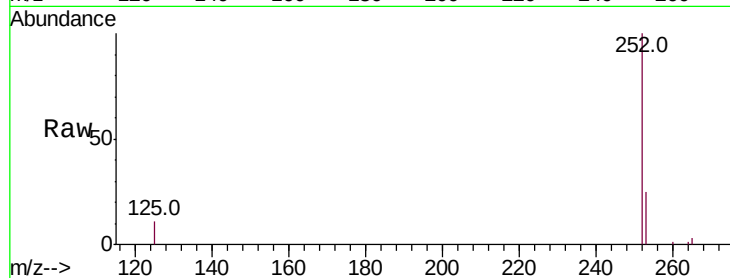
Tot Ion:252 Resp: 47326

Ion Ratio Lower Upper

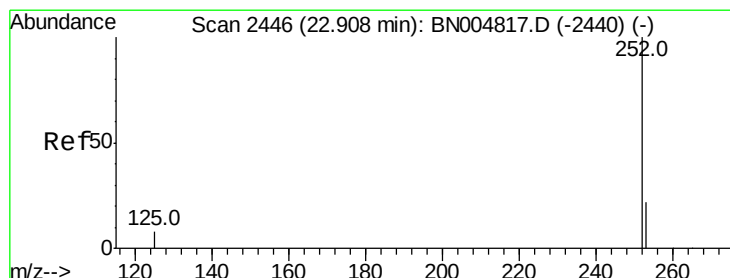
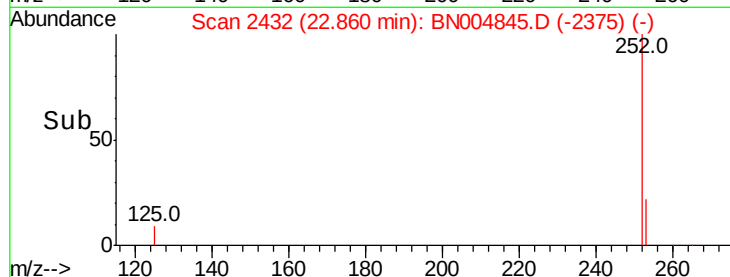
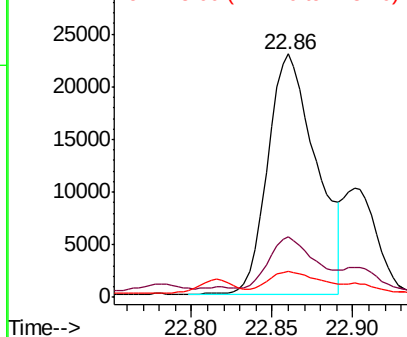
252 100

253 24.6 19.0 28.4

125 10.7 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: 0.316 ng

RT: 22.86 min Scan# 2432

Delta R.T. -0.05 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

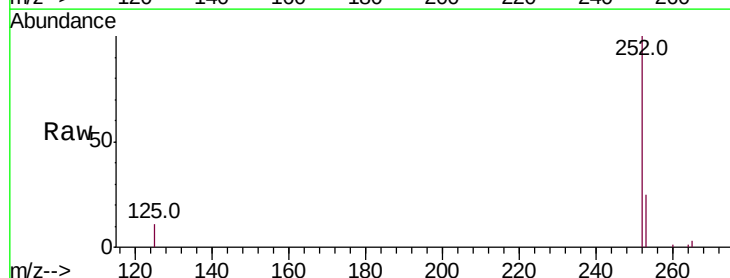
Tgt Ion:252 Resp: 47326

Ion Ratio Lower Upper

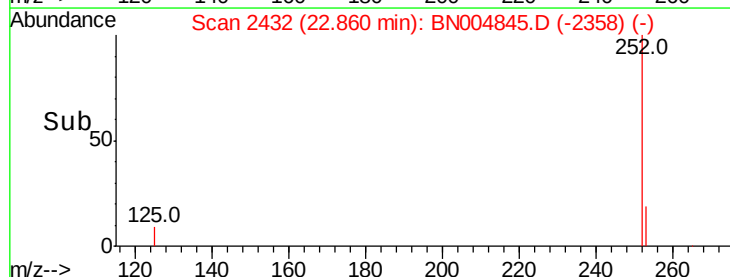
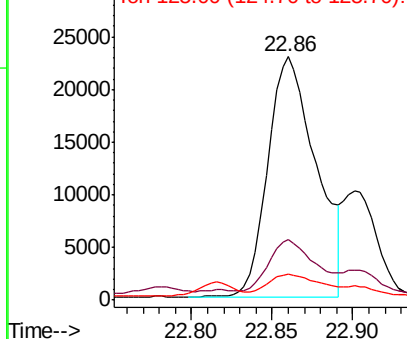
252 100

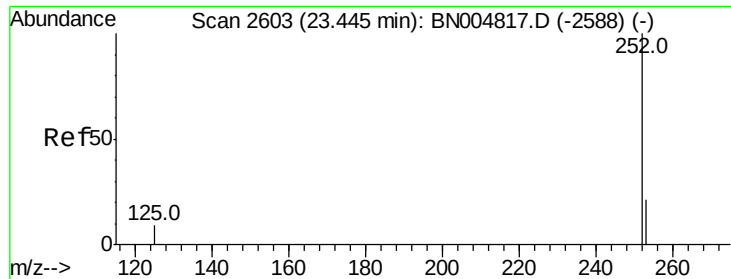
253 24.6 19.3 28.9

125 10.7 7.4 11.0



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





#37

Benzo(a)pyrene

Concen: 0.159 ng

RT: 23.44 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BN004845.D

Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719

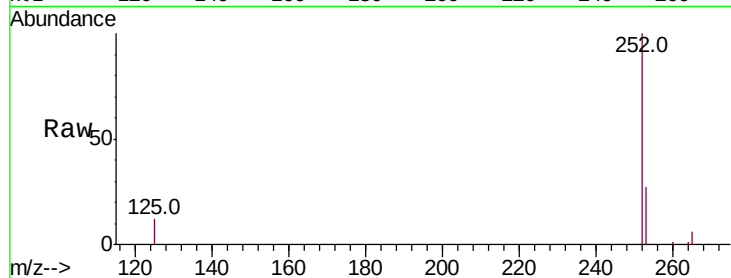
Tot Ion:252 Resp: 22187

Ion Ratio Lower Upper

252 100

253 27.1 19.7 29.5

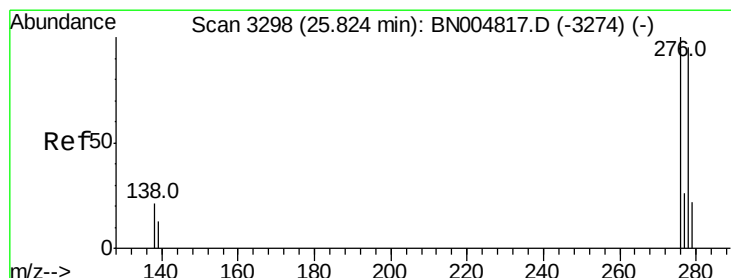
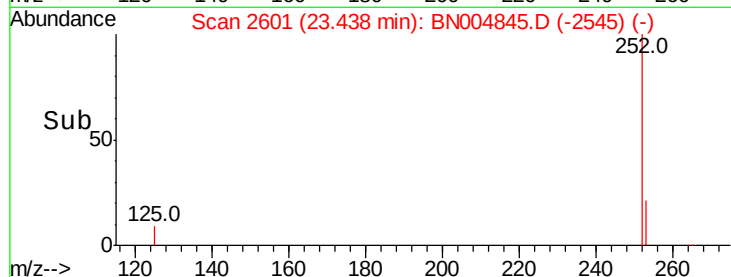
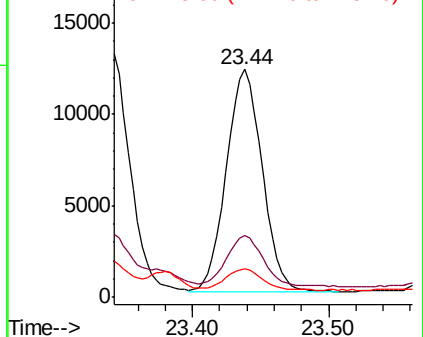
125 12.5 8.3 12.5#



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: BN004845.D

Acq: 21 Mar 2019 12:19

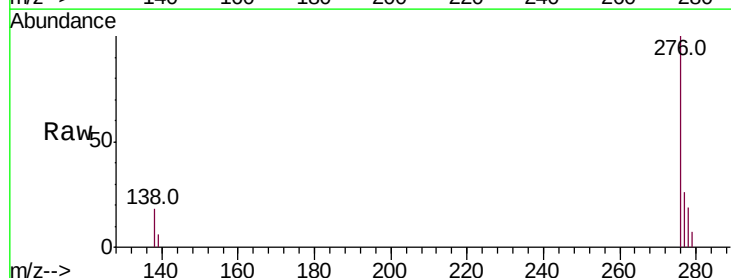
Tgt Ion:278 Resp: 5024

Ion Ratio Lower Upper

278 100

139 30.5 11.7 17.5#

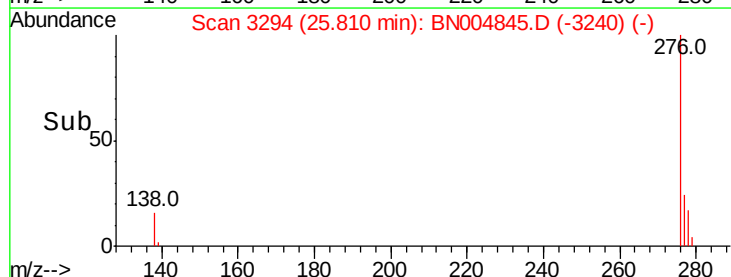
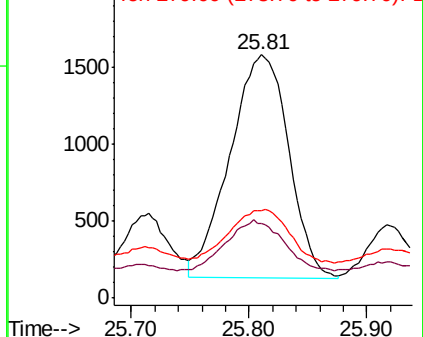
279 35.8 19.9 29.9#

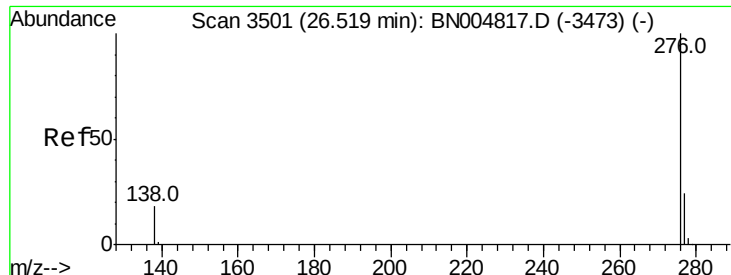


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.161 ng

RT: 26.51 min Scan# 3497

Delta R.T. -0.01 min

Lab File: BN004845.D

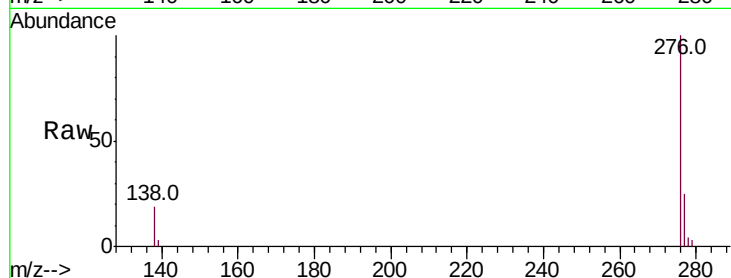
Acq: 21 Mar 2019 12:19

Instrument :

BNA_N

ClientSampleId :

C-MW-10_030719



Tot Ion:276 Resp: 26548

Ion Ratio Lower Upper

276 100

277 25.1 19.7 29.5

138 19.3 14.6 22.0

