

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041420\
 Data File : BN010492.D
 Acq On : 14 Apr 2020 23:54
 Operator : CG/JU
 Sample : L2178-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 15 00:25:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 13 18:04:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	3717	0.40	ng	0.00
7) Naphthalene-d8	10.37	136	15441	0.40	ng	0.00
13) Acenaphthene-d10	14.22	164	10316	0.40	ng	0.00
19) Phenanthrene-d10	16.97	188	23629	0.40	ng	0.00
27) Chrysene-d12	21.17	240	24153	0.40	ng	-0.01
34) Perylene-d12	23.34	264	21445	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	1582	0.19	ng	0.00
5) Phenol-d6	6.79	99	1279	0.12	ng	0.00
8) Nitrobenzene-d5	8.73	82	8135	0.75	ng	-0.01
11) 2-Methylnaphthalene-d10	11.96	152	9921	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.73	330	1873	0.39	ng	0.00
15) 2-Fluorobiphenyl	12.84	172	28067	0.75	ng	0.00
25) Fluoranthene-d10	19.01	212	29951	0.42	ng	0.00
29) Terphenyl-d14	19.62	244	41553	0.75	ng	0.00

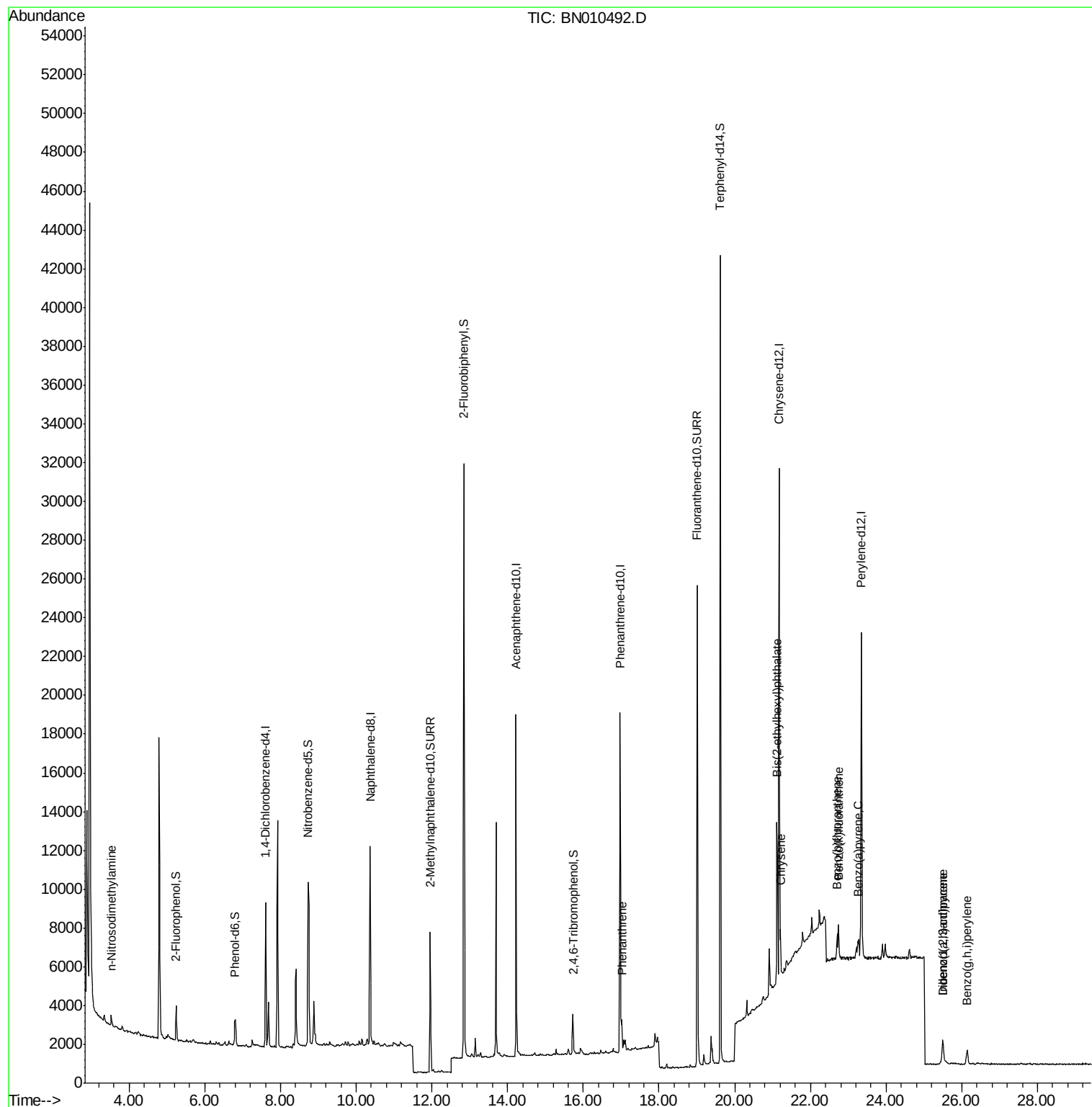
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.53	42	95	0.054	ng	# 1
23) Phenanthrene	17.02	178	1480	0.023	ng	# 96
31) Chrysene	21.21	228	1857	0.024	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.11	149	7789	0.193	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.49	276	1485	0.021	ng	# 88
35) Benzo(b)fluoranthene	22.70	252	1572	0.022	ng	# 16
36) Benzo(k)fluoranthene	22.75	252	1566	0.022	ng	# 1
37) Benzo(a)pyrene	23.26	252	1253	0.020	ng	# 1
38) Dibenzo(a,h)anthracene	25.50	278	1227	0.021	ng	# 14
39) Benzo(a,h,i)perylene	26.14	276	1528	0.027	ng	# 59

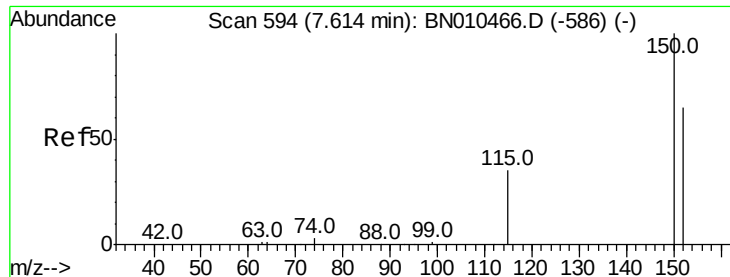
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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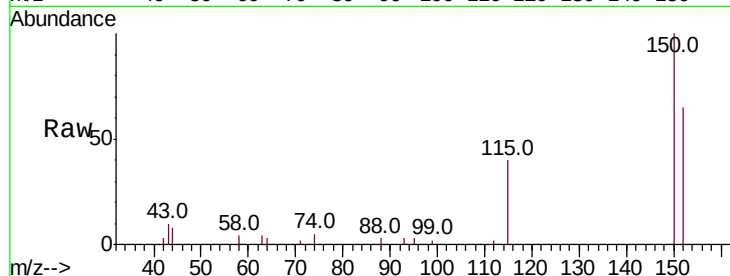


#1

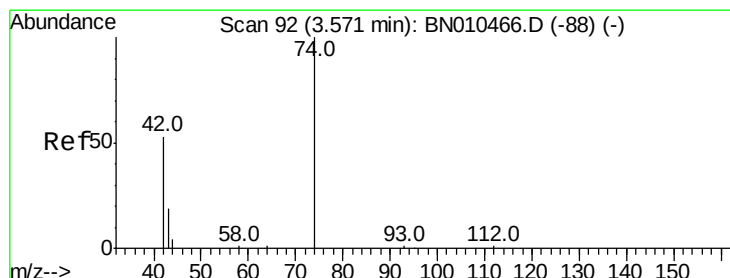
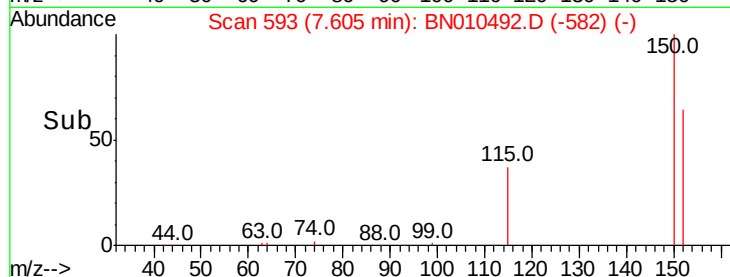
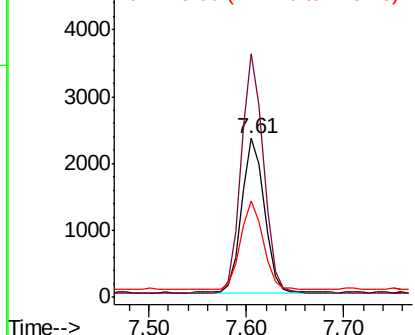
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.61 min Scan# 593
Delta R.T. -0.01 min
Lab File: BN010492.D
Acq: 14 Apr 2020 23:54

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 3717
Ion Ratio Lower Upper
152 100
150 153.2 121.8 182.6
115 60.6 45.5 68.3



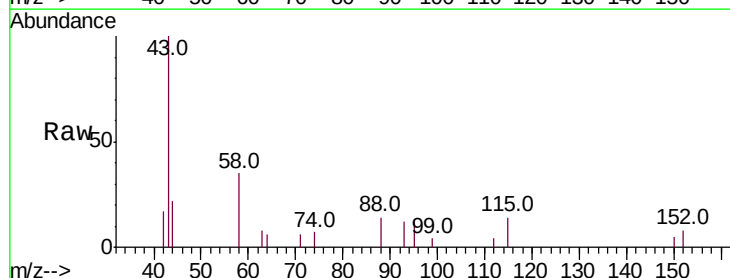
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



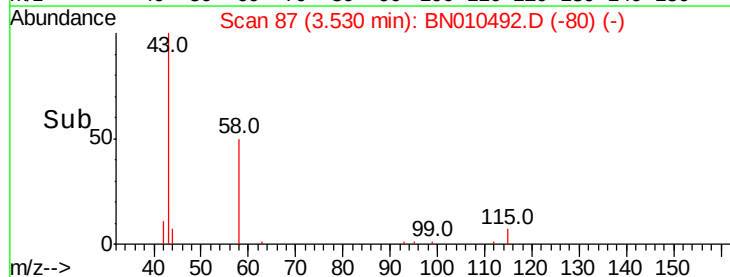
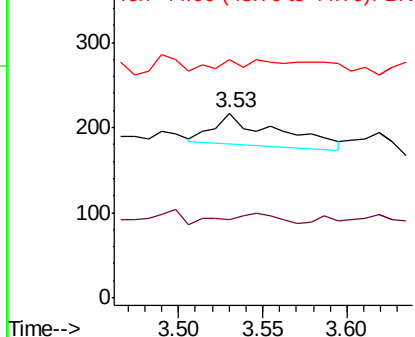
#3

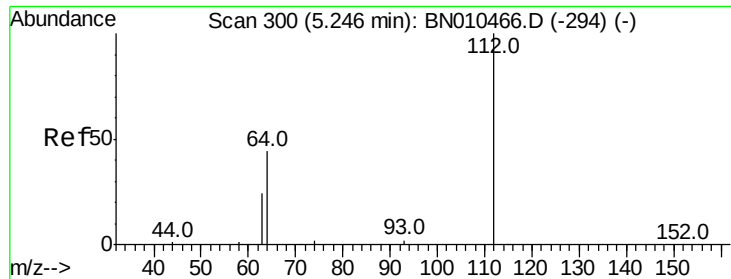
n-Nitrosodimethylamine
Concen: 0.054 ng
RT: 3.53 min Scan# 87
Delta R.T. -0.04 min
Lab File: BN010492.D
Acq: 14 Apr 2020 23:54

Tgt Ion: 42 Resp: 95
Ion Ratio Lower Upper
42 100
74 25.3 162.2 243.4#
44 18.9 2.4 3.6#



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: 0.194 ng

RT: 5.25 min Scan# 300

Delta R.T. -0.00 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

Instrument :

BNA_N

ClientSampled :

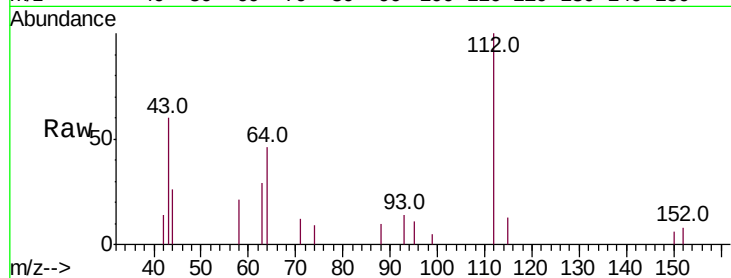
Tot Ion:112 Resp: 1582

Ion Ratio Lower Upper

112 100

64 46.0 35.8 53.8

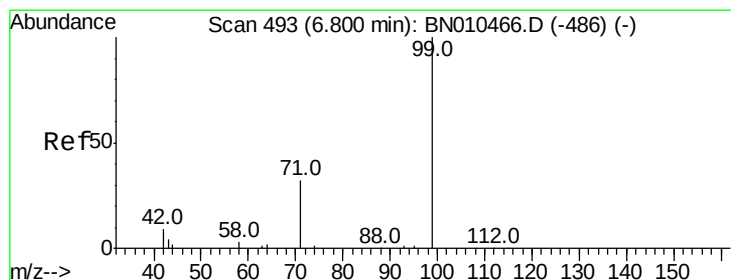
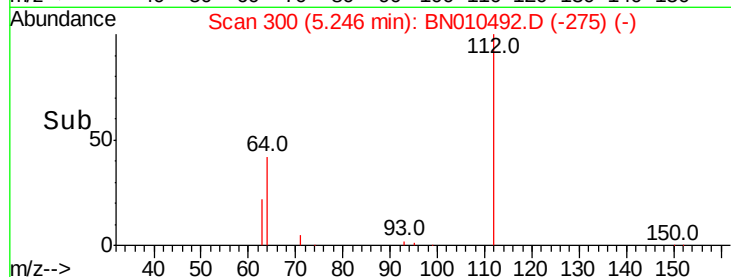
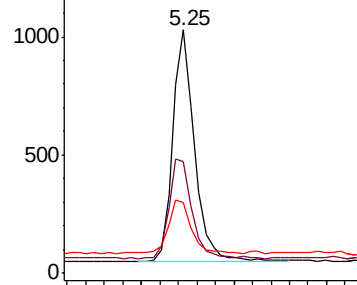
63 25.2 19.9 29.9



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: 0.120 ng

RT: 6.79 min Scan# 492

Delta R.T. -0.01 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

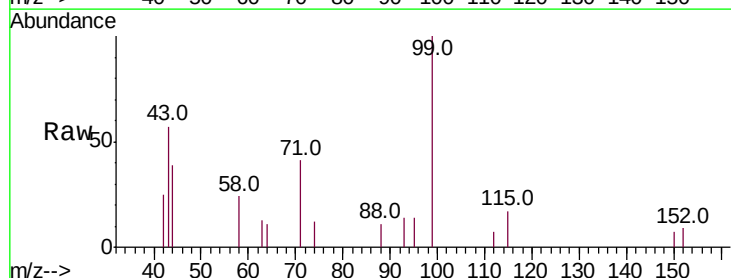
Tgt Ion: 99 Resp: 1279

Ion Ratio Lower Upper

99 100

42 15.6 9.8 14.6#

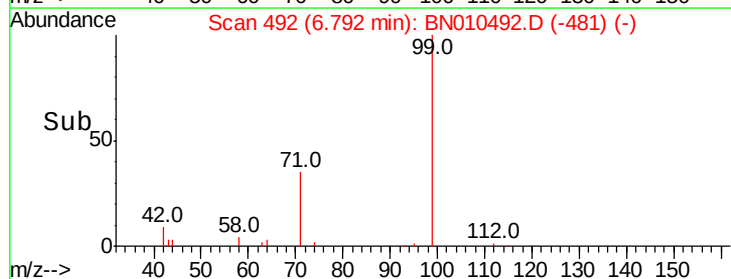
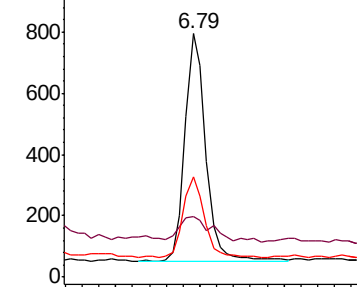
71 35.7 27.8 41.8

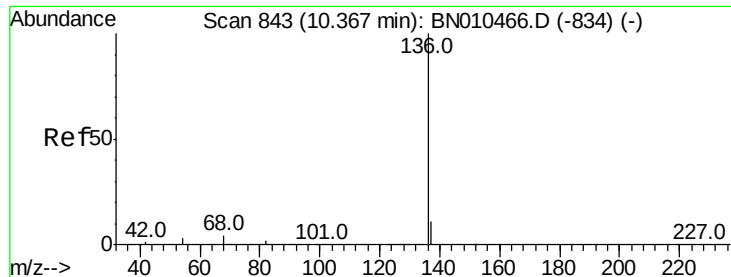


Abundance Ion 99.00 (98.70 to 99.70): BNC

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: 10.37 min Scan# 843

Delta R.T. -0.00 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 15441

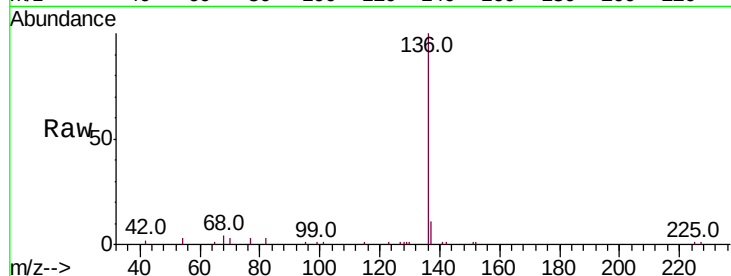
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 3.0 2.6 4.0

68 3.9 3.4 5.2

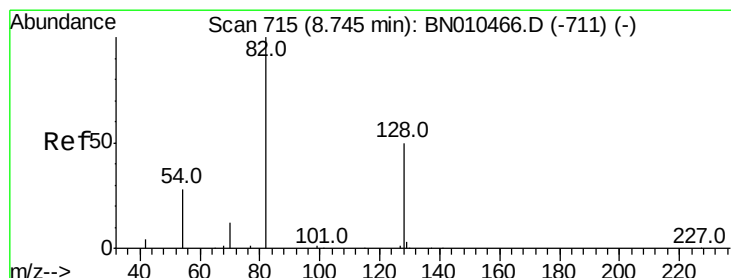
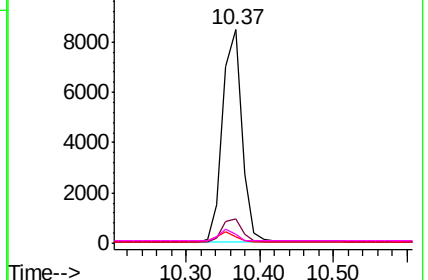
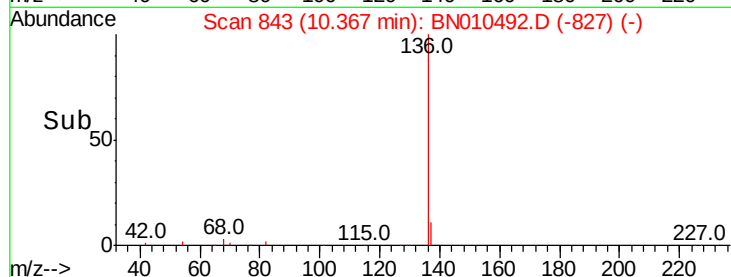


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.754 ng

RT: 8.73 min Scan# 714

Delta R.T. -0.01 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

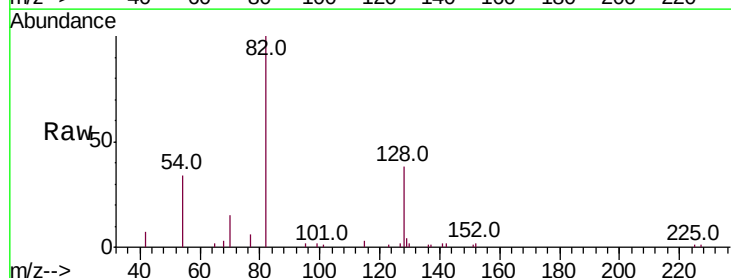
Tgt Ion: 82 Resp: 8135

Ion Ratio Lower Upper

82 100

128 38.2 41.3 61.9#

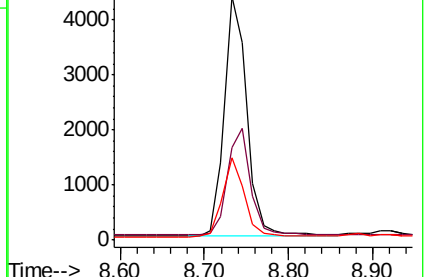
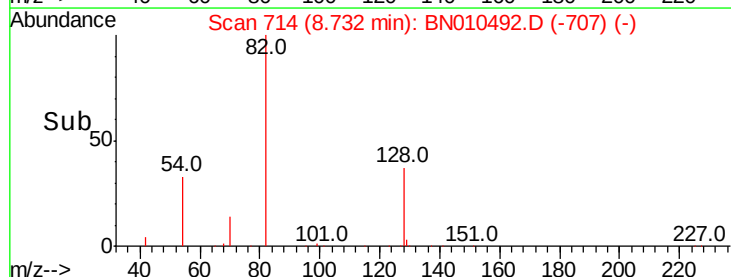
54 33.8 23.4 35.0

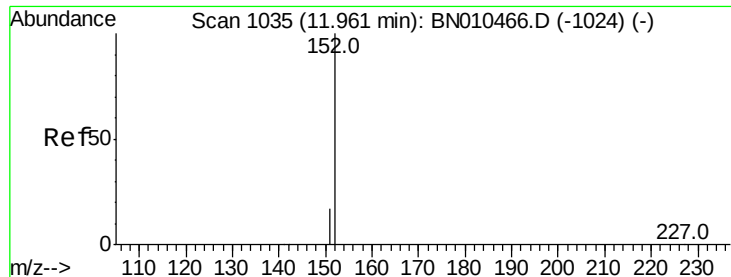


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

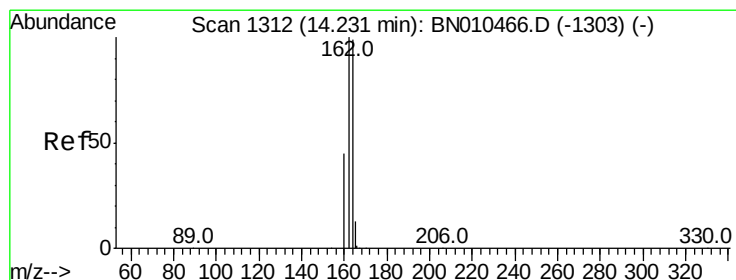
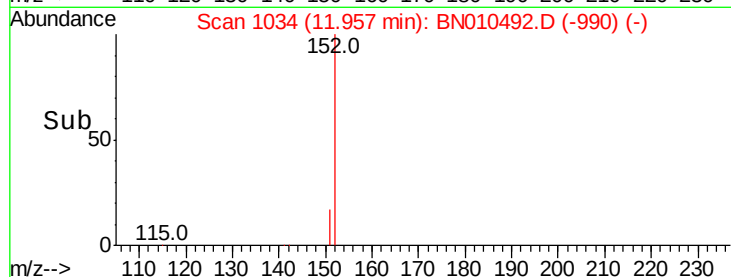
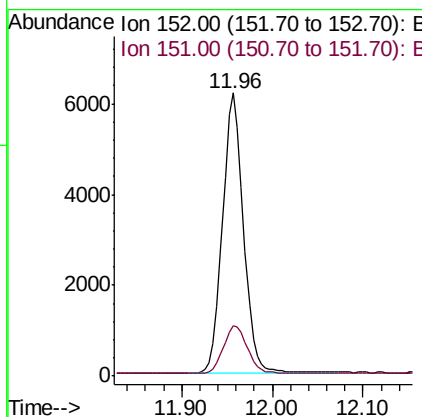
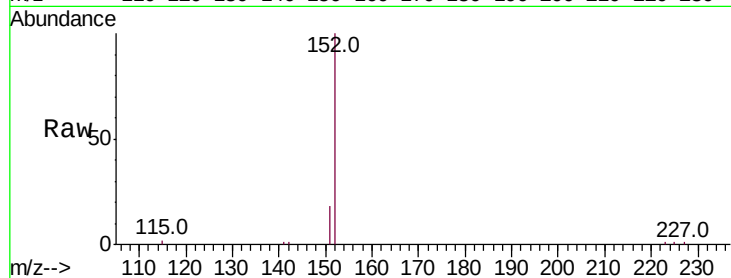




#11
2-Methylnaphthalene-d10
Concen: 0.391 ng
RT: 11.96 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BN010492.D
Acq: 14 Apr 2020 23:54

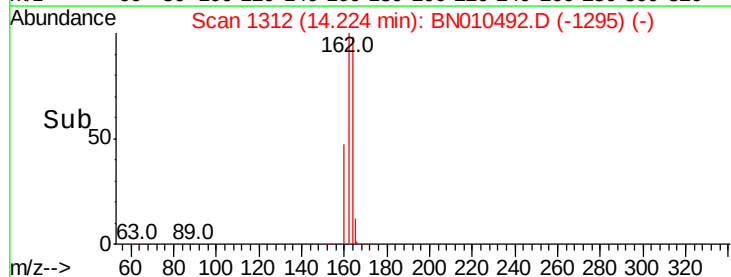
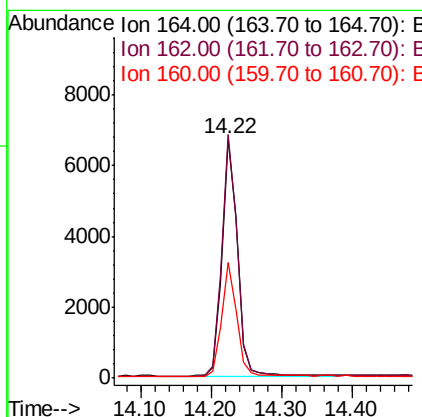
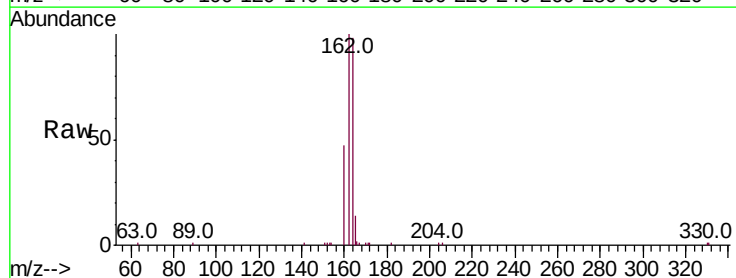
Instrument :
BNA_N
ClientSampleId :

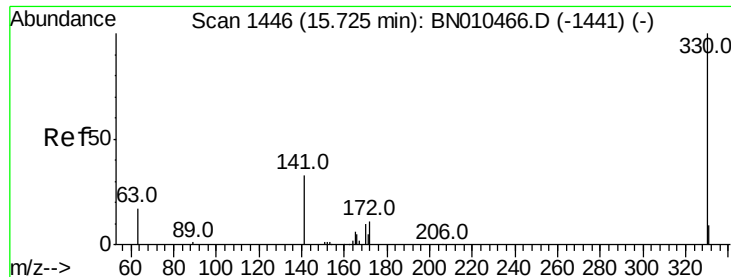
Tot Ion:152 Resp: 9921
Ion Ratio Lower Upper
152 100
151 19.4 15.3 22.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.22 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BN010492.D
Acq: 14 Apr 2020 23:54

Tgt Ion:164 Resp: 10316
Ion Ratio Lower Upper
164 100
162 102.0 80.6 121.0
160 48.3 36.5 54.7

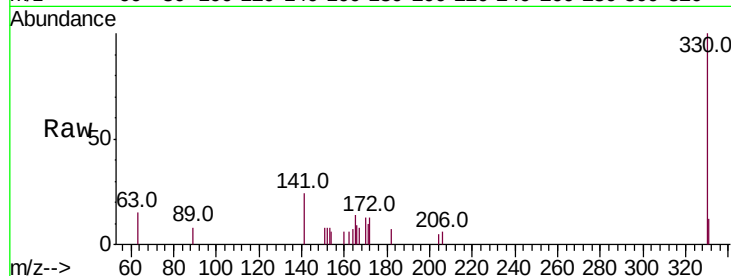




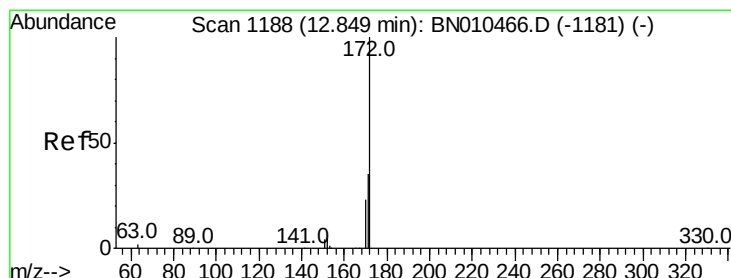
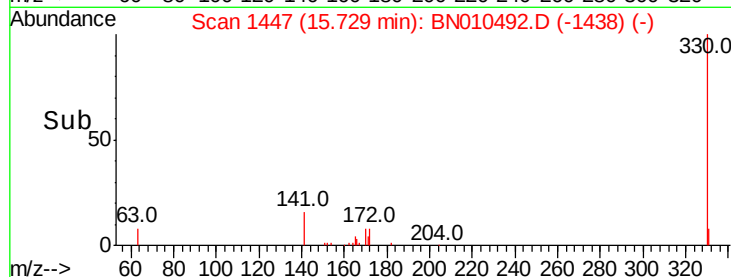
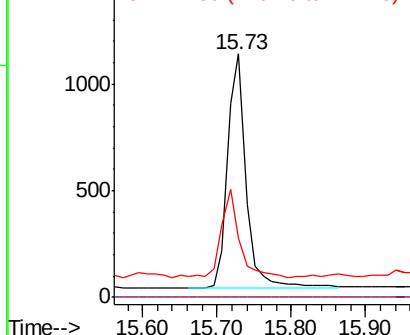
#14
 2,4,6-Tribromophenol
 Concen: 0.385 ng
 RT: 15.73 min Scan# 1447
 Delta R.T. 0.00 min
 Lab File: BN010492.D
 Acq: 14 Apr 2020 23:54

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 1873
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 38.2 28.1 42.1

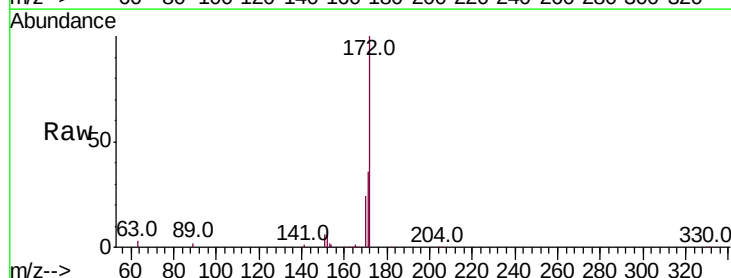


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

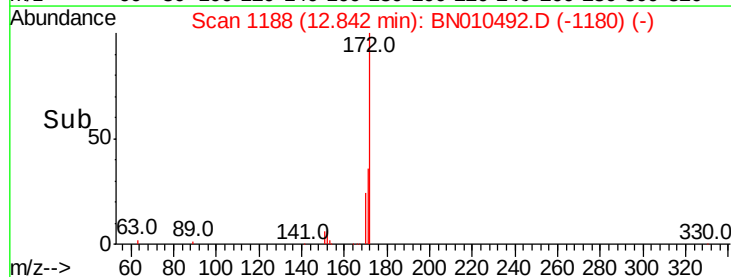
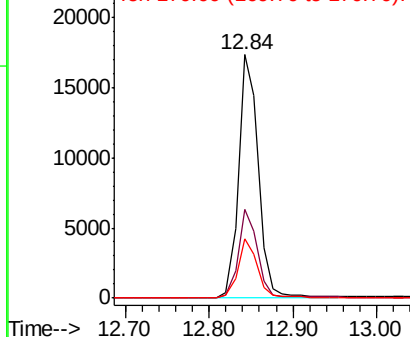


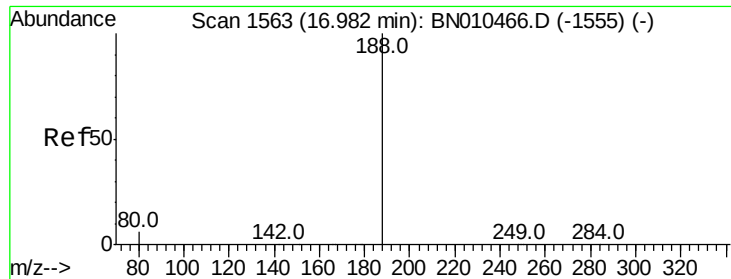
#15
 2-Fluorobiphenyl
 Concen: 0.748 ng
 RT: 12.84 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BN010492.D
 Acq: 14 Apr 2020 23:54

Tgt Ion:172 Resp: 28067
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.2 42.2
 170 24.3 18.4 27.6



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: 16.97 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

Instrument :

BNA_N

ClientSampleId :

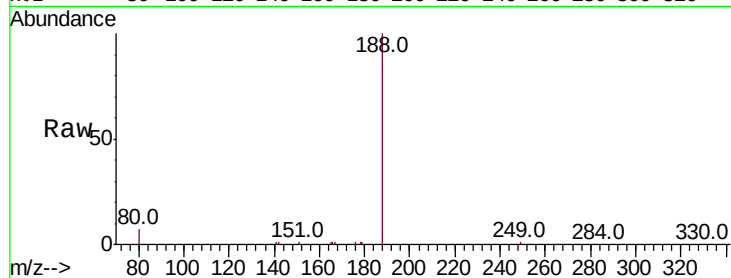
Tot Ion:188 Resp: 23629

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

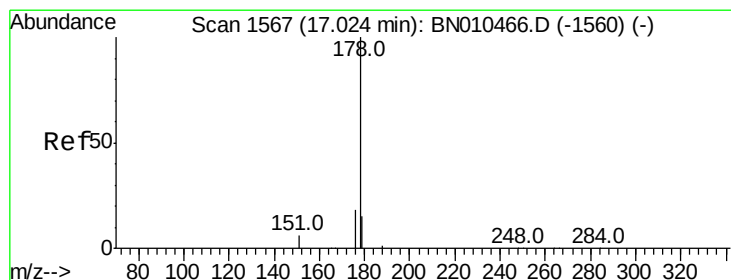
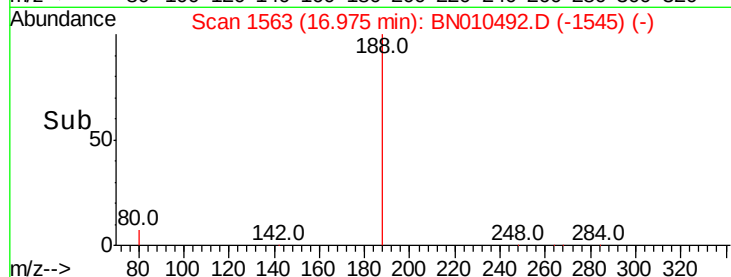
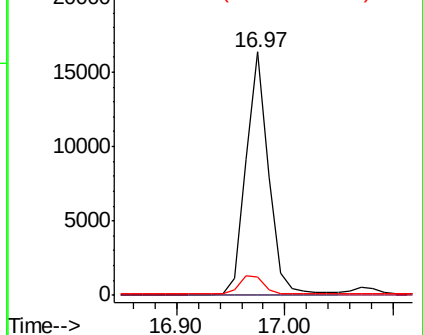
80 7.4 5.0 7.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#23

Phenanthrene

Concen: 0.023 ng

RT: 17.02 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

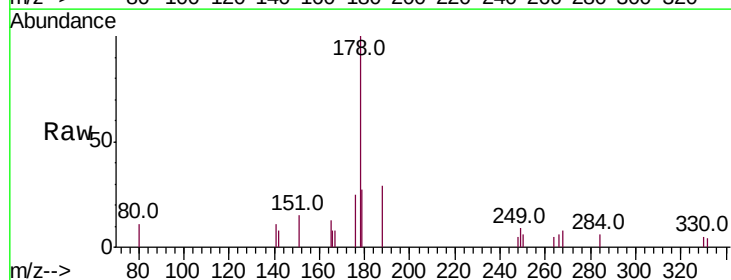
Tgt Ion:178 Resp: 1480

Ion Ratio Lower Upper

178 100

176 19.2 15.0 22.4

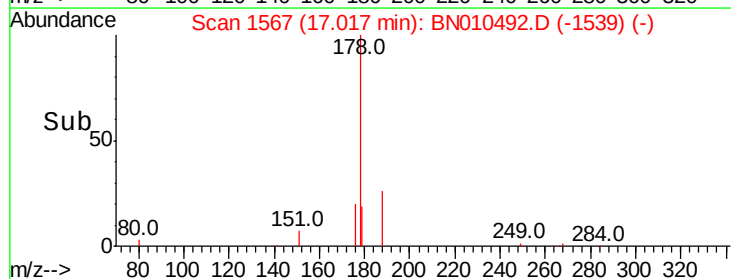
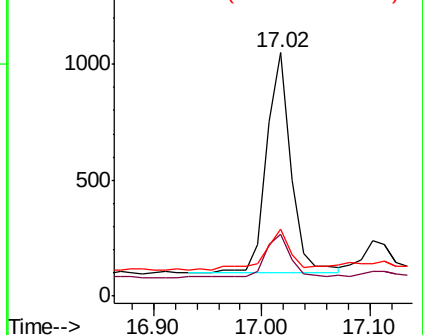
179 19.0 12.6 18.8#

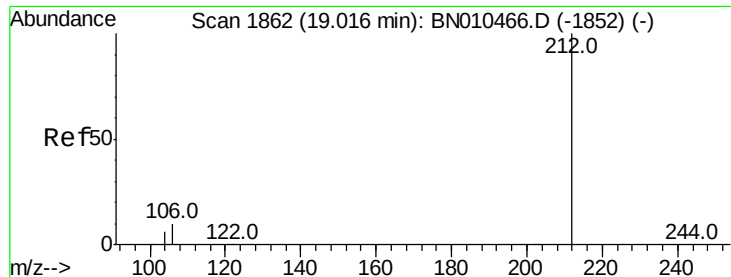


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.418 ng

RT: 19.01 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

Instrument :

BNA_N

ClientSampled :

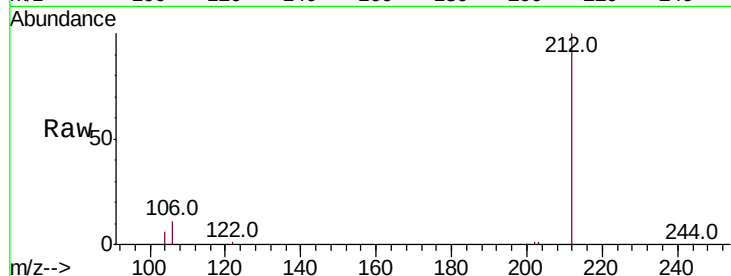
Tot Ion:212 Resp: 29951

Ion Ratio Lower Upper

212 100

106 10.0 7.8 11.6

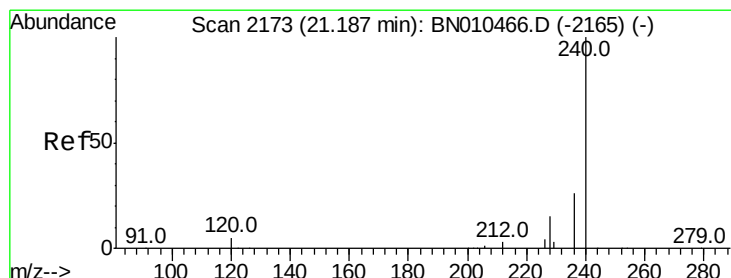
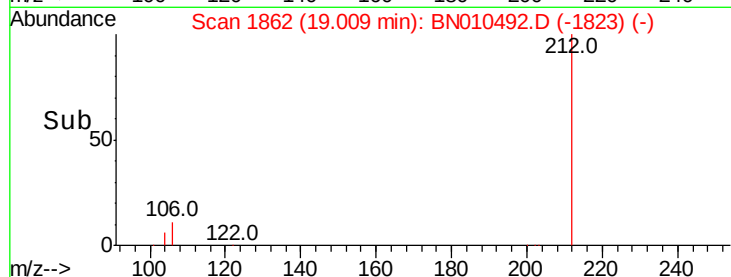
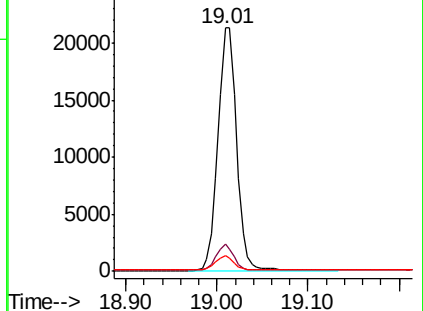
104 5.7 4.5 6.7



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

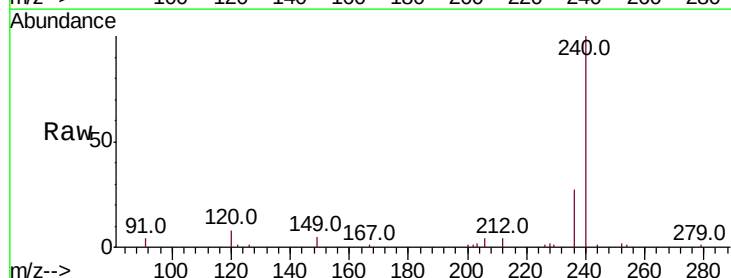
Tgt Ion:240 Resp: 24153

Ion Ratio Lower Upper

240 100

120 8.2 4.8 7.2#

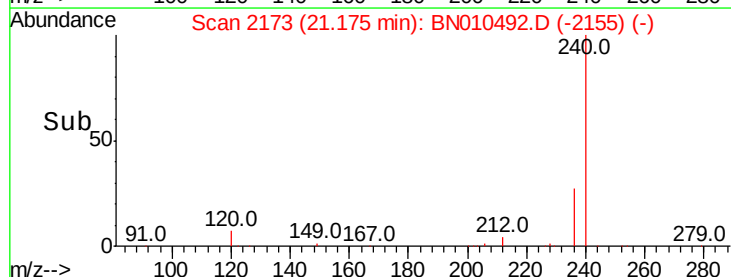
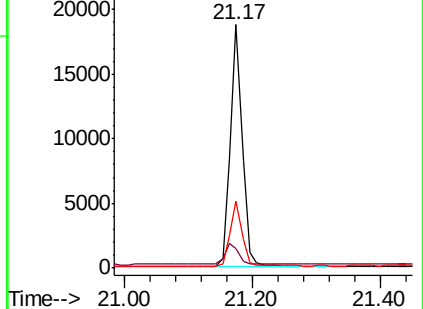
236 27.3 21.4 32.0

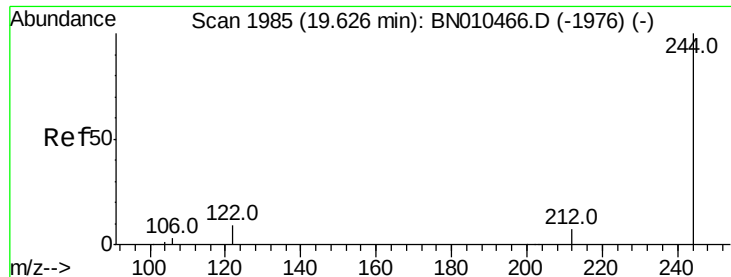


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.752 ng

RT: 19.62 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

Instrument :

BNA_N

ClientSampleId :

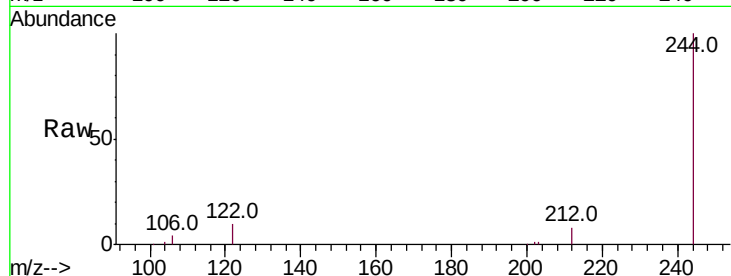
Tot Ion:244 Resp: 41553

Ion Ratio Lower Upper

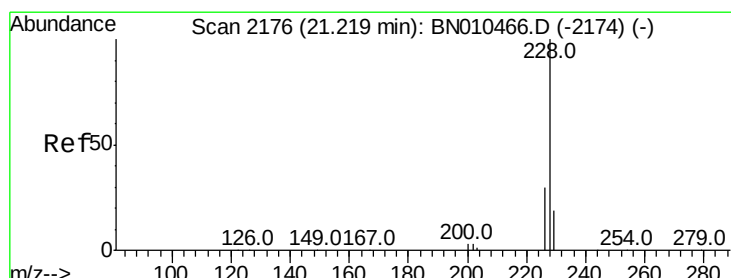
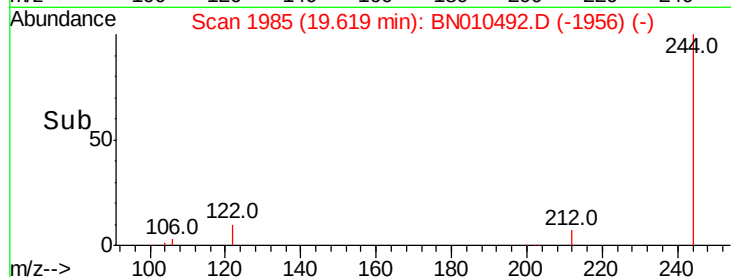
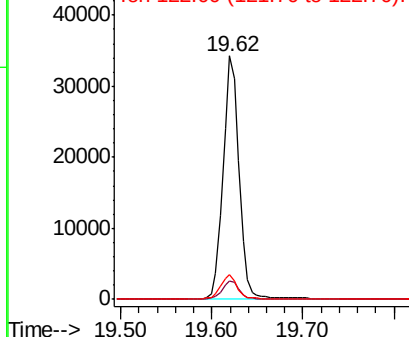
244 100

212 7.7 6.2 9.4

122 9.9 7.8 11.8



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



#31

Chrysene

Concen: 0.024 ng

RT: 21.21 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

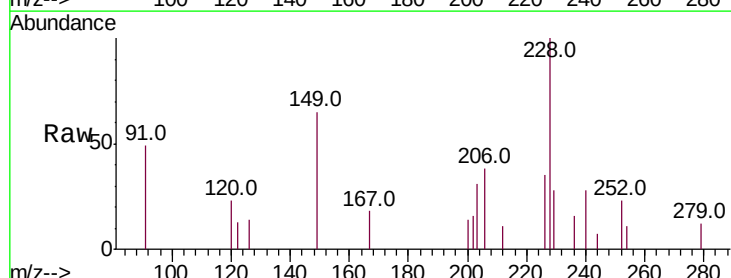
Tgt Ion:228 Resp: 1857

Ion Ratio Lower Upper

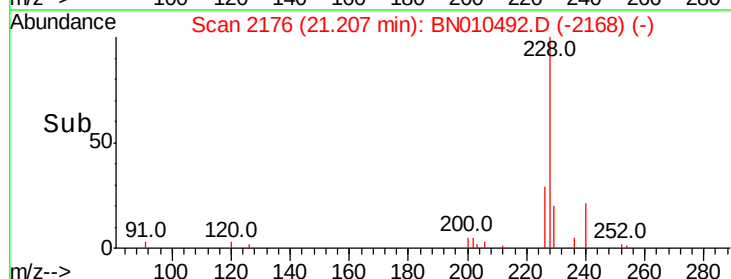
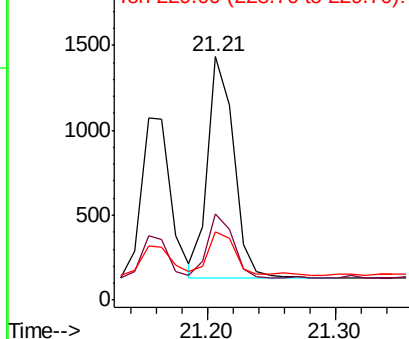
228 100

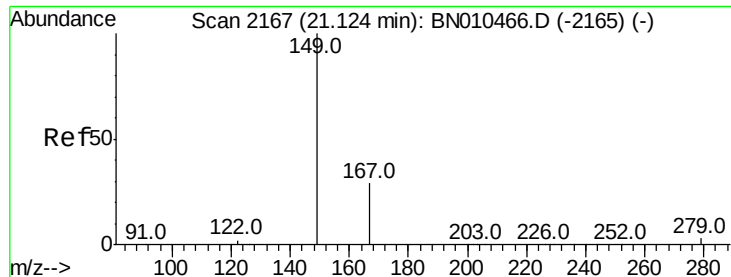
226 35.5 24.0 36.0

229 28.0 15.8 23.6#



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: 0.193 ng

RT: 21.11 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

Instrument :

BNA_N

ClientSampled :

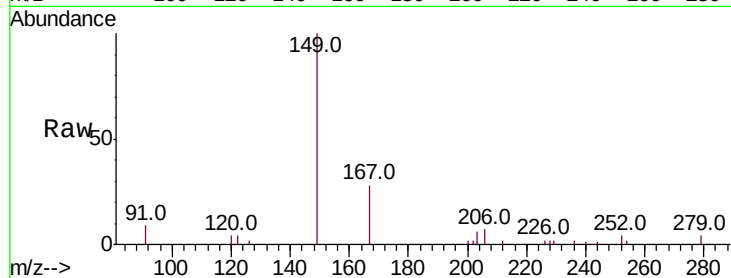
Tot Ion:149 Resp: 7789

Ion Ratio Lower Upper

149 100

167 28.9 23.4 35.0

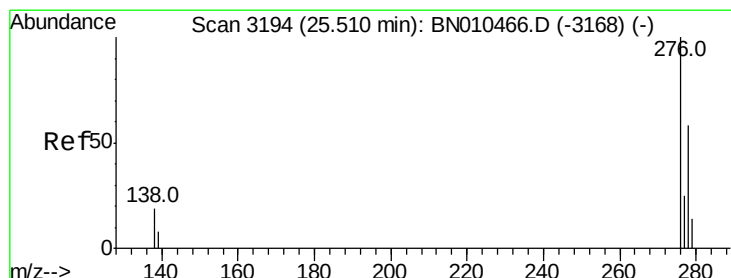
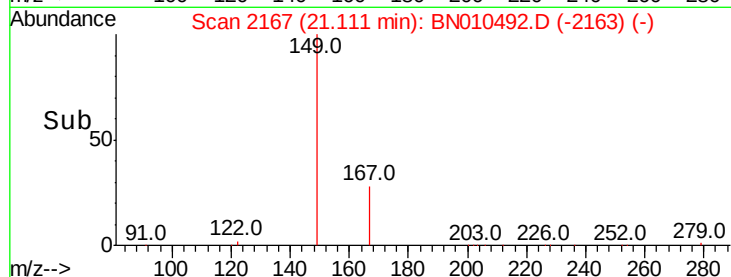
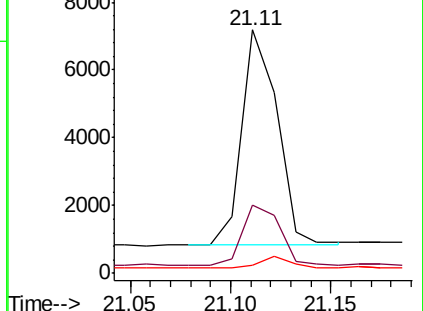
279 4.8 4.0 6.0



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: 0.021 ng

RT: 25.49 min Scan# 3190

Delta R.T. -0.02 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

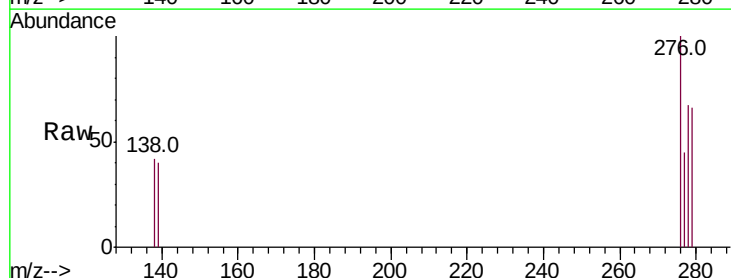
Tgt Ion:276 Resp: 1485

Ion Ratio Lower Upper

276 100

138 10.7 16.4 24.6#

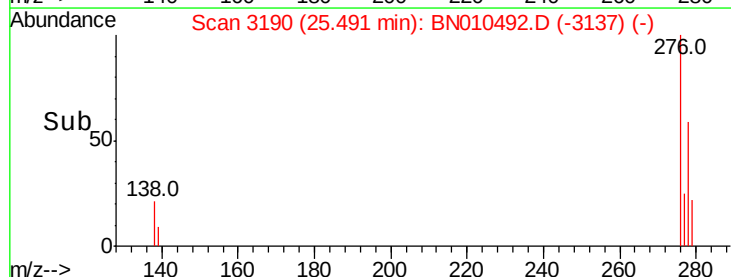
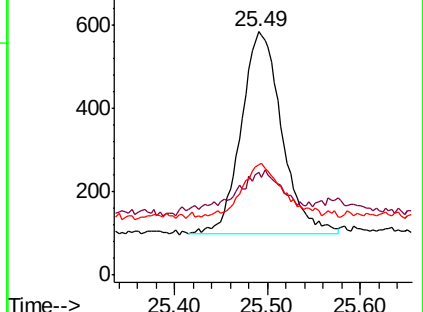
277 26.9 19.8 29.6

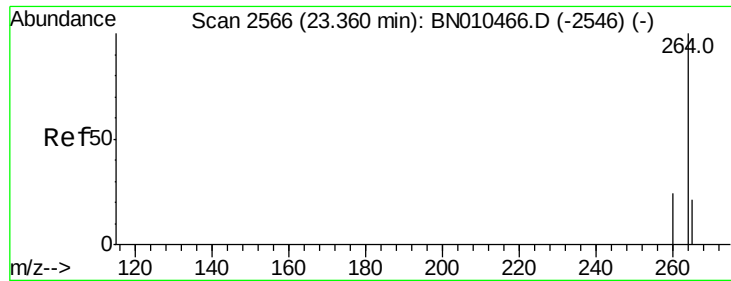


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

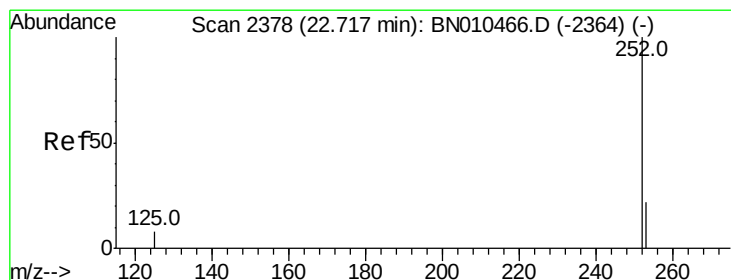
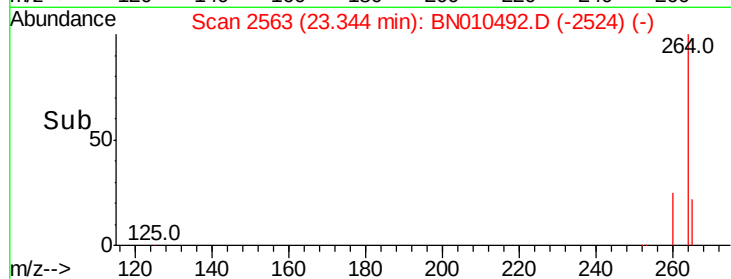
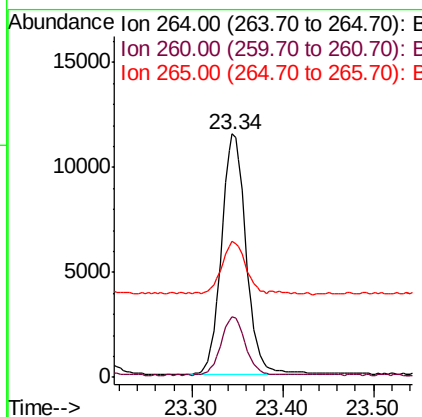
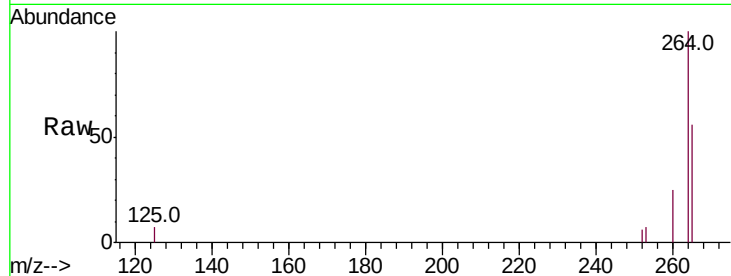




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.34 min Scan# 2563
Delta R.T. -0.02 min
Lab File: BN010492.D
Acq: 14 Apr 2020 23:54

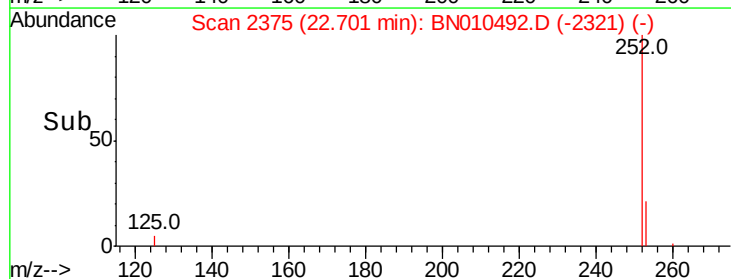
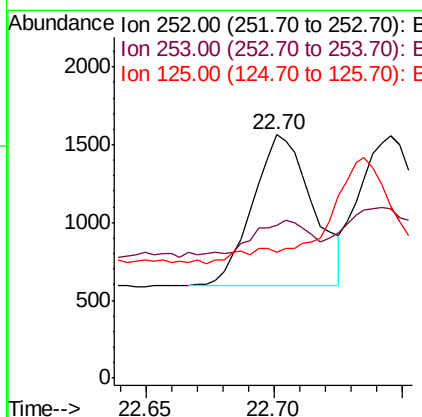
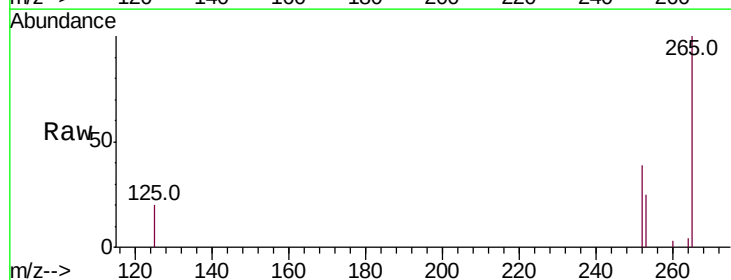
Instrument :
BNA_N
ClientSampleId :

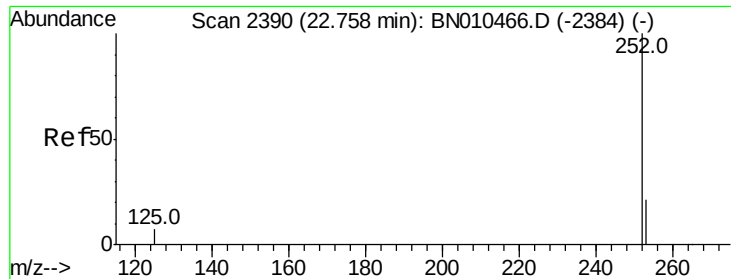
Tot Ion:264 Resp: 21445
Ion Ratio Lower Upper
264 100
260 25.1 19.8 29.8
265 55.7 42.3 63.5



#35
Benzo(b)fluoranthene
Concen: 0.022 ng
RT: 22.70 min Scan# 2375
Delta R.T. -0.02 min
Lab File: BN010492.D
Acq: 14 Apr 2020 23:54

Tgt Ion:252 Resp: 1572
Ion Ratio Lower Upper
252 100
253 62.8 20.2 30.4#
125 51.4 9.2 13.8#





#36

Benzo(k)fluoranthene

Concen: 0.022 ng

RT: 22.75 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

Instrument :

BNA_N

ClientSampleId :

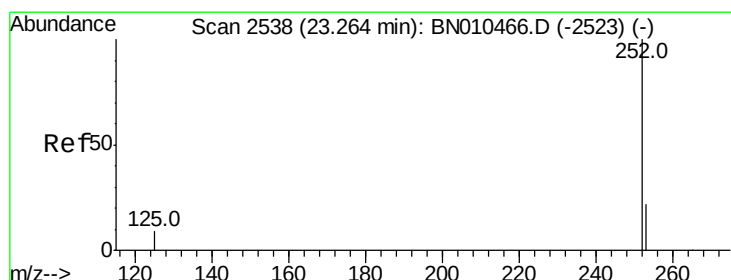
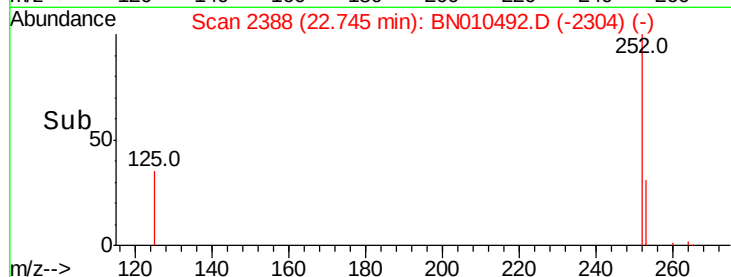
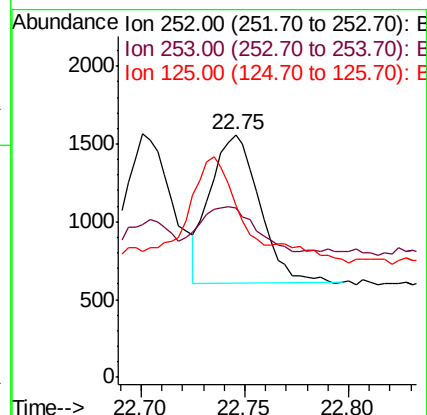
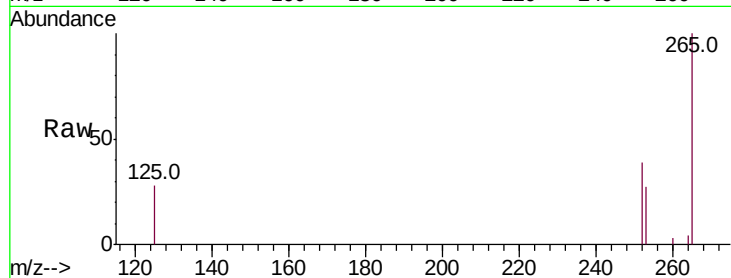
Tot Ion:252 Resp: 1566

Ion Ratio Lower Upper

252 100

253 69.8 20.1 30.1#

125 71.2 9.6 14.4#



#37

Benzo(a)pyrene

Concen: 0.020 ng

RT: 23.26 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

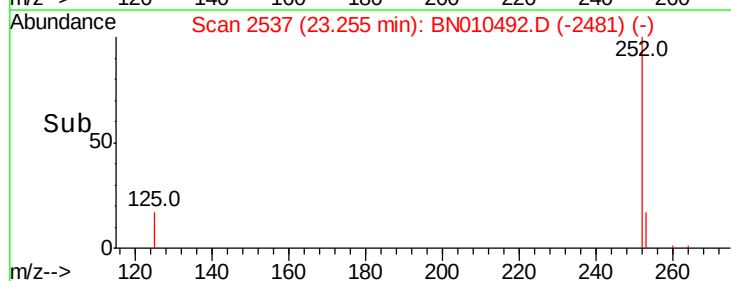
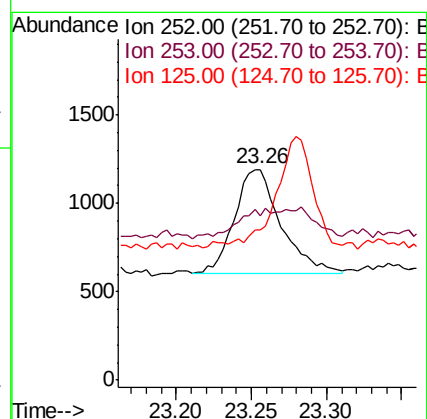
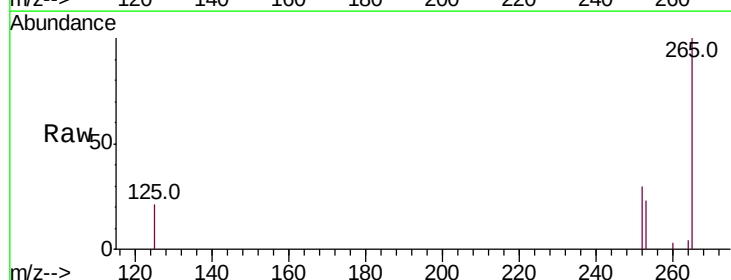
Tgt Ion:252 Resp: 1253

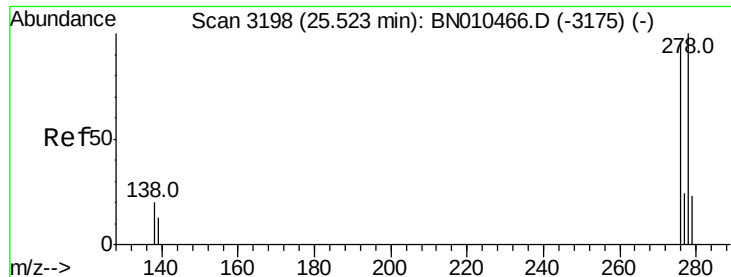
Ion Ratio Lower Upper

252 100

253 78.2 21.8 32.8#

125 71.2 11.0 16.6#





#38

Dibenzo(a,h)anthracene

Concen: 0.021 ng

RT: 25.50 min Scan# 3193

Delta R.T. -0.02 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

Instrument :

BNA_N

ClientSampleId :

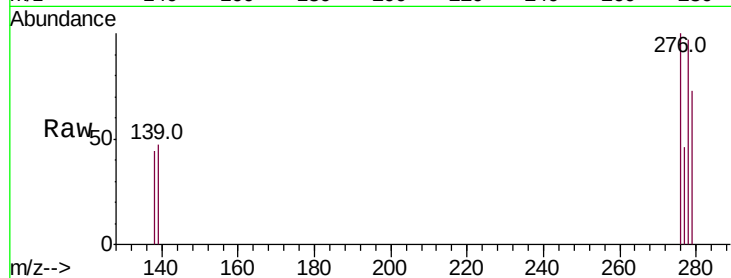
Tot Ion:278 Resp: 1227

Ion Ratio Lower Upper

278 100

139 47.9 12.3 18.5#

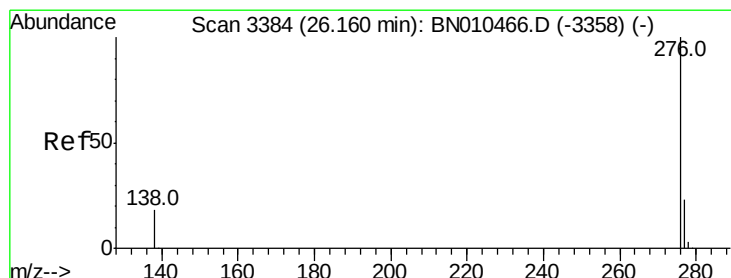
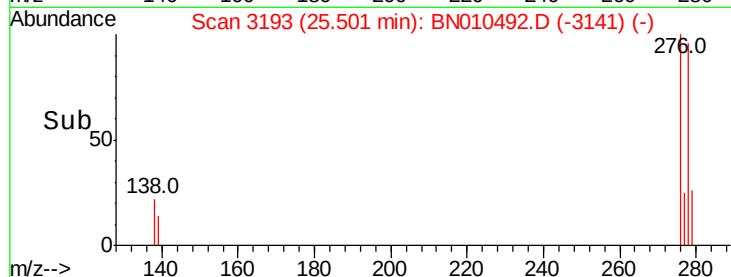
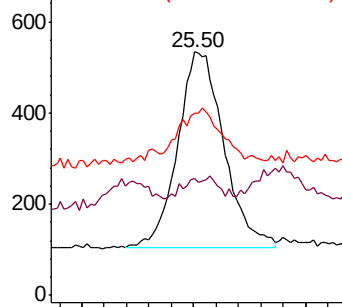
279 74.9 21.9 32.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.027 ng

RT: 26.14 min Scan# 3379

Delta R.T. -0.02 min

Lab File: BN010492.D

Acq: 14 Apr 2020 23:54

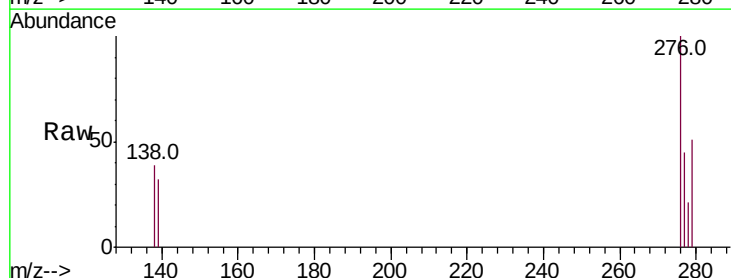
Tgt Ion:276 Resp: 1528

Ion Ratio Lower Upper

276 100

277 44.6 20.2 30.2#

138 39.2 15.4 23.2#



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

