

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032020\
 Data File : BN010317.D
 Acq On : 20 Mar 2020 23:56
 Operator : CG/JU
 Sample : L1992-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 21 01:48:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 15:26:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	3990	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	14023	0.40	ng	0.00
13) Acenaphthene-d10	14.24	164	9102	0.40	ng	-0.01
19) Phenanthrene-d10	16.99	188	22610	0.40	ng	0.00
27) Chrysene-d12	21.19	240	24964	0.40	ng	0.00
34) Perylene-d12	23.36	264	25631	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	1088	0.14	ng	0.00
5) Phenol-d6	6.80	99	778	0.08	ng	0.00
8) Nitrobenzene-d5	8.74	82	5317	0.59	ng	0.00
11) 2-Methylnaphthalene-d10	11.97	152	7146	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.73	330	1062	0.30	ng	0.00
15) 2-Fluorobiphenyl	12.86	172	20950	0.60	ng	0.00
25) Fluoranthene-d10	19.02	212	23212	0.34	ng	0.00
29) Terphenyl-d14	19.63	244	30004	0.56	ng	0.00

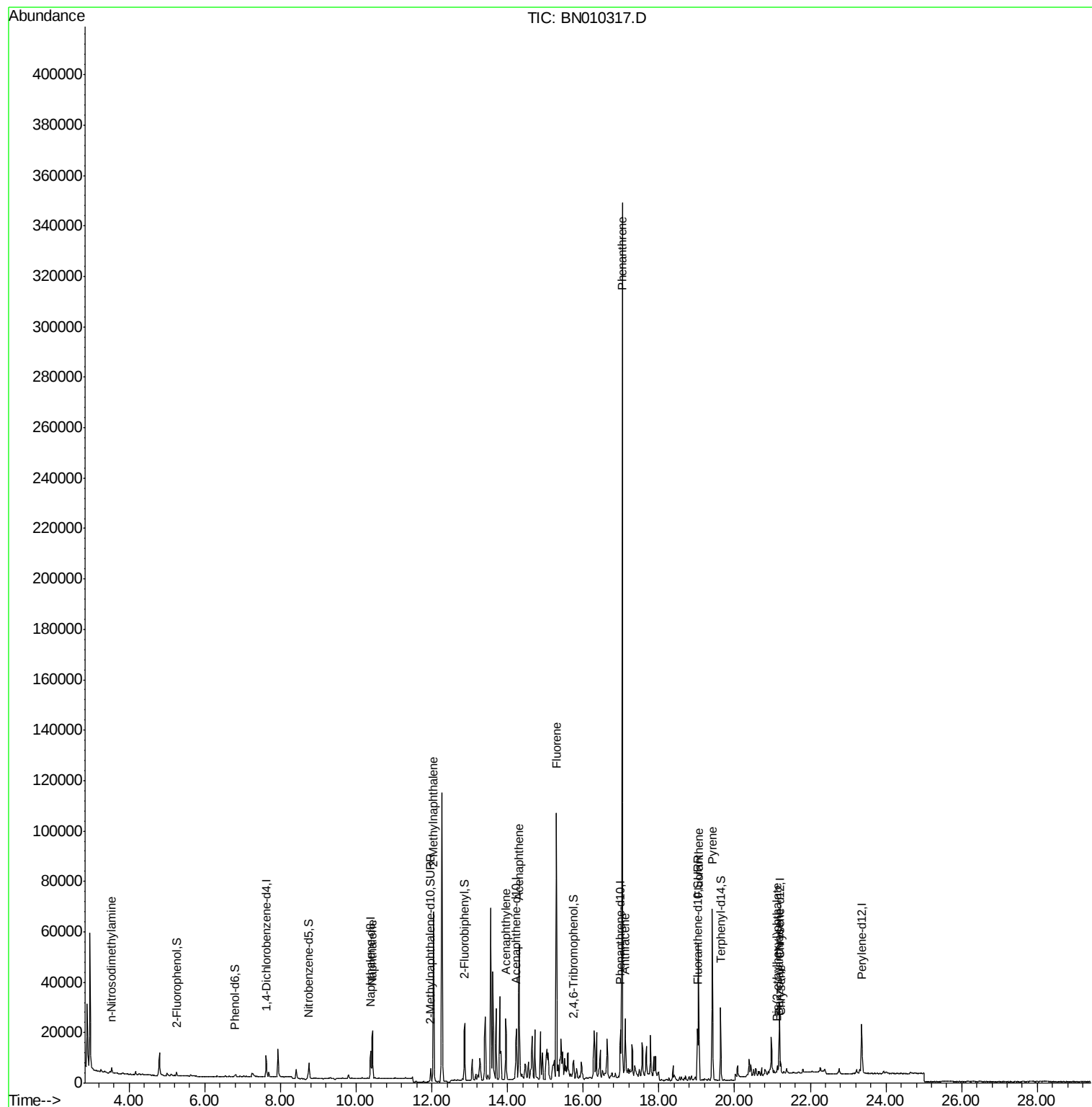
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.54	42	236	0.075	ng	# 1
9) Naphthalene	10.43	128	25991	0.743	ng	100
12) 2-Methylnaphthalene	12.05	142	48069	1.983	ng	100
16) Acenaphthylene	13.96	152	4487	0.126	ng	# 20
17) Acenaphthene	14.30	154	25650	1.008	ng	96
18) Fluorene	15.29	166	60485	1.790	ng	99
23) Phenanthrene	17.03	178	351851	5.662	ng	100
24) Anthracene	17.11	178	21810	0.410	ng	# 94
26) Fluoranthene	19.05	202	48146	0.632	ng	99
28) Pvrene	19.41	202	62777	0.808	ng	98
30) Benzo(a)anthracene	21.16	228	3192	0.040	ng	# 81
31) Chrysene	21.22	228	4121	0.048	ng	# 74
32) Bis(2-ethylhexyl)phthalate	21.13	149	1955	0.073	ng	# 96

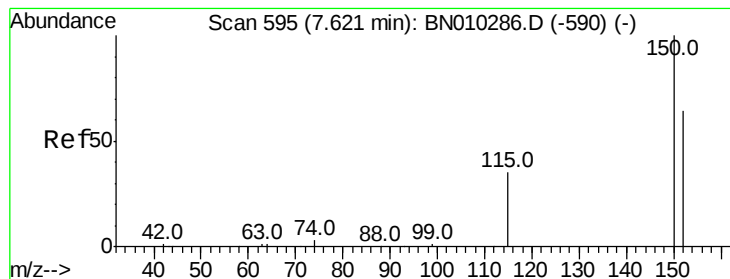
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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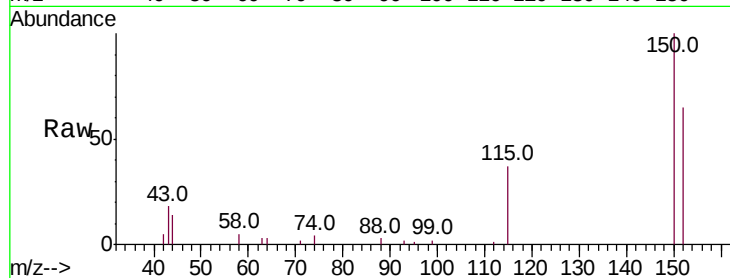


#1

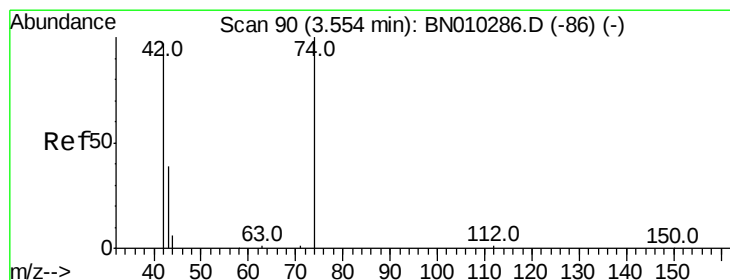
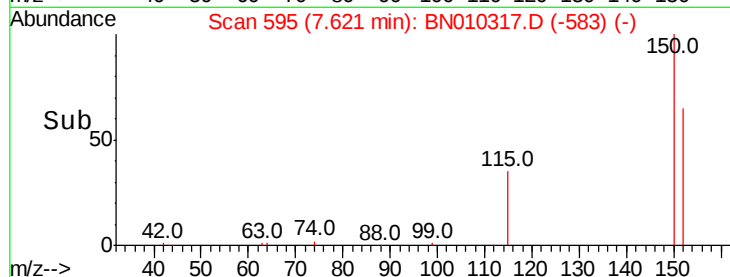
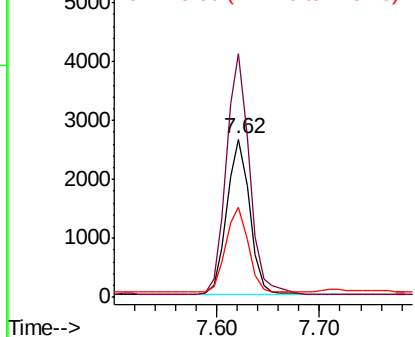
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 595
Delta R.T. -0.00 min
Lab File: BN010317.D
Acq: 20 Mar 2020 23:56

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 3990
Ion Ratio Lower Upper
152 100
150 153.9 123.1 184.7
115 56.9 45.2 67.8



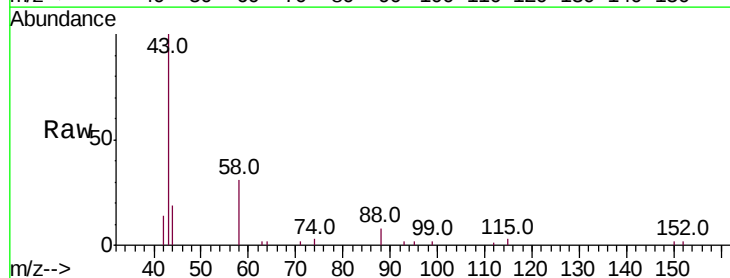
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



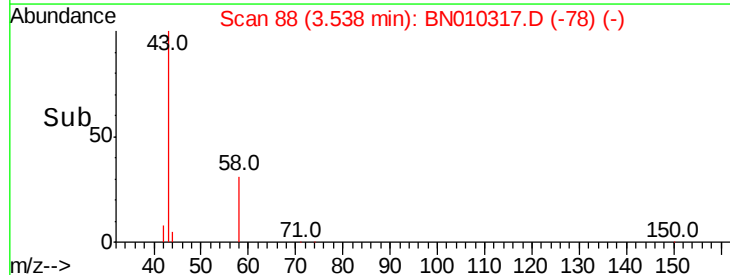
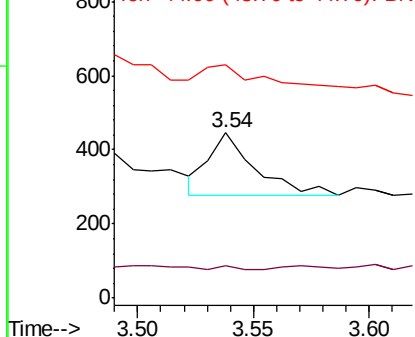
#3

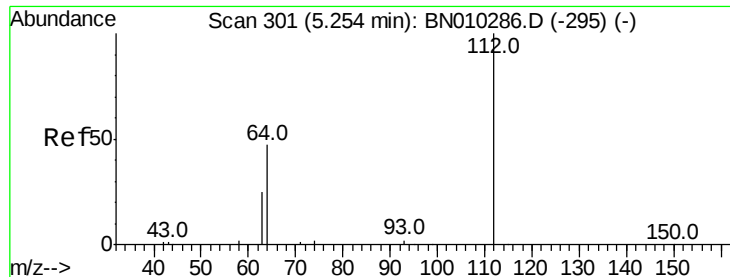
n-Nitrosodimethylamine
Concen: 0.075 ng
RT: 3.54 min Scan# 88
Delta R.T. -0.02 min
Lab File: BN010317.D
Acq: 20 Mar 2020 23:56

Tgt Ion: 42 Resp: 236
Ion Ratio Lower Upper
42 100
74 0.0 99.4 149.0#
44 83.9 4.8 7.2#



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: 0.138 ng

RT: 5.25 min Scan# 301

Delta R.T. -0.00 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

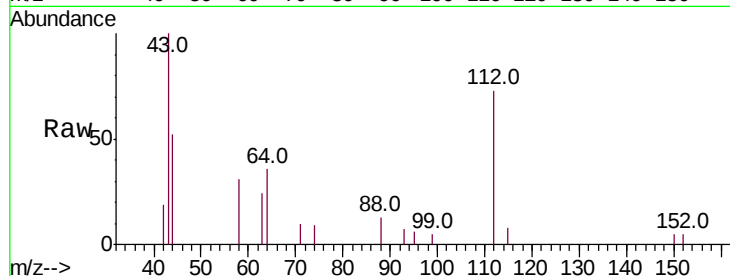
Tot Ion:112 Resp: 1088

Ion Ratio Lower Upper

112 100

64 49.5 41.4 62.2

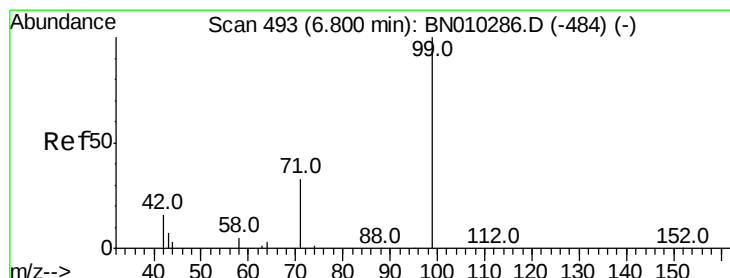
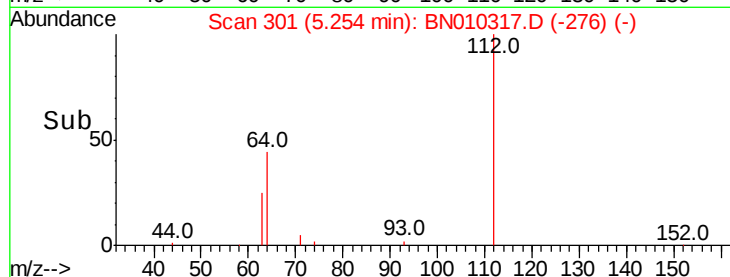
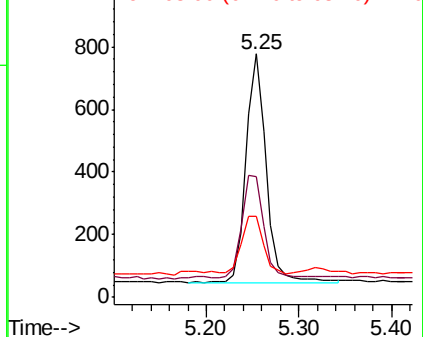
63 27.7 22.9 34.3



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: 0.079 ng

RT: 6.80 min Scan# 493

Delta R.T. -0.00 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

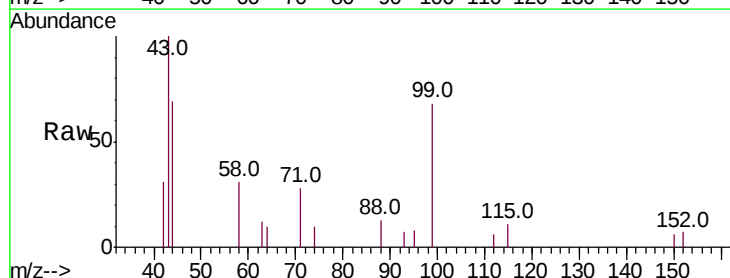
Tgt Ion: 99 Resp: 778

Ion Ratio Lower Upper

99 100

42 27.6 14.8 22.2#

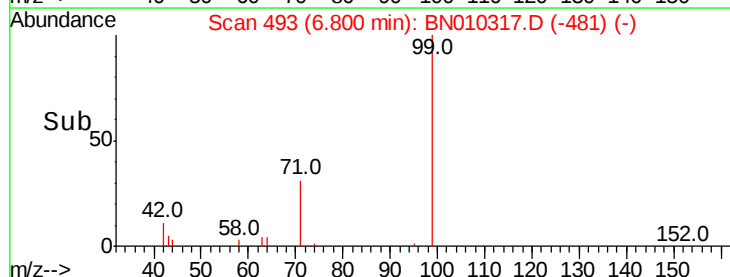
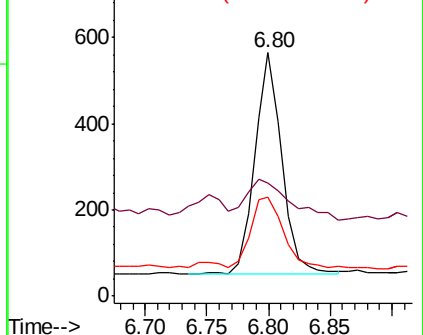
71 41.0 27.3 40.9#

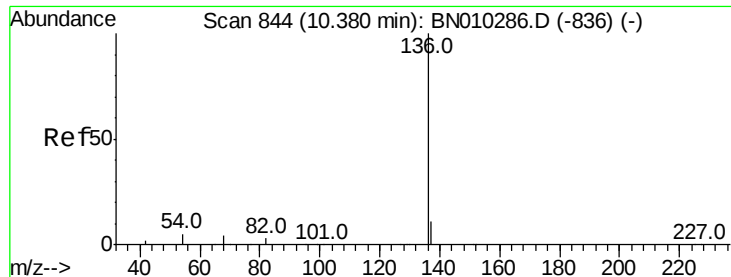


Abundance Ion 99.00 (98.70 to 99.70): BNC

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: 10.38 min Scan# 844

Delta R.T. -0.00 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 14023

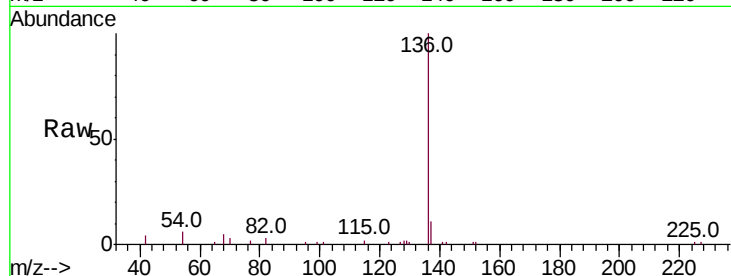
Ion Ratio Lower Upper

136 100

137 11.4 9.3 13.9

54 5.5 4.8 7.2

68 5.0 4.1 6.1

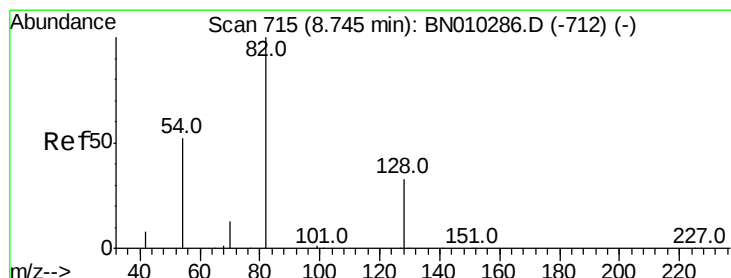
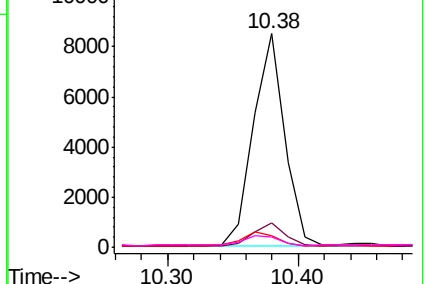
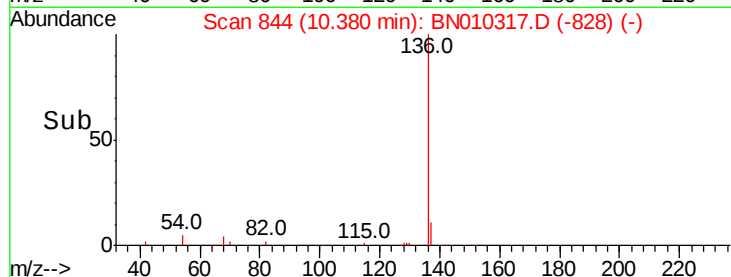


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.592 ng

RT: 8.74 min Scan# 715

Delta R.T. -0.00 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

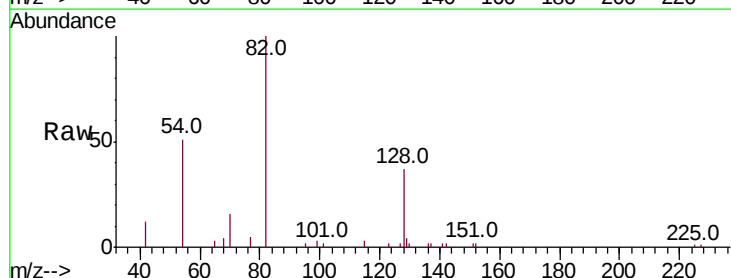
Tgt Ion: 82 Resp: 5317

Ion Ratio Lower Upper

82 100

128 37.4 28.8 43.2

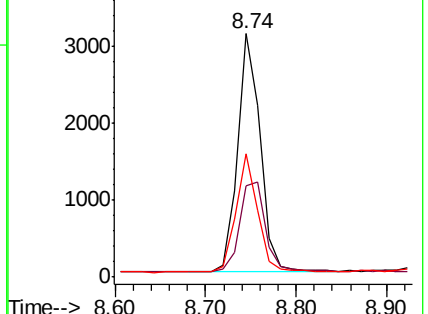
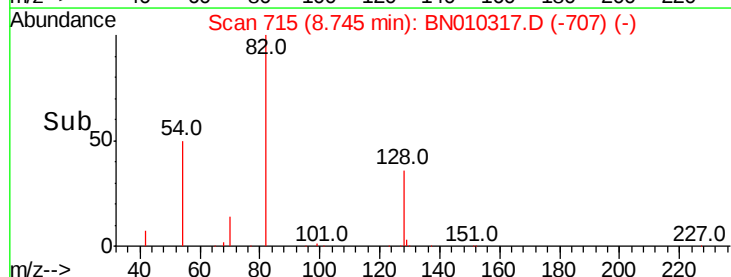
54 50.6 42.1 63.1

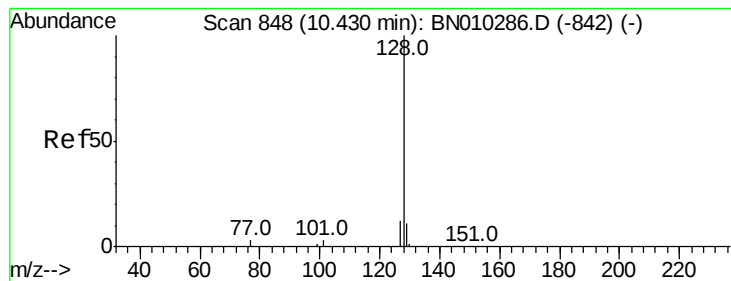


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.743 ng

RT: 10.43 min Scan# 848

Delta R.T. -0.00 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

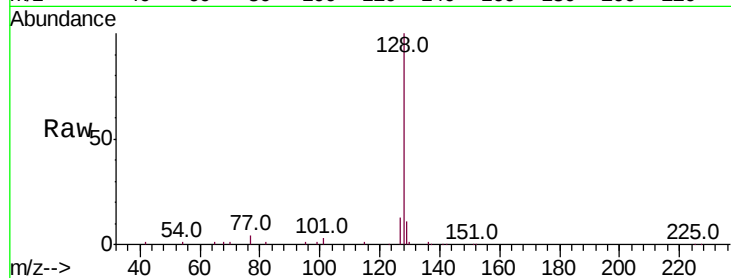
Tot Ion:128 Resp: 25991

Ion Ratio Lower Upper

128 100

129 11.4 9.1 13.7

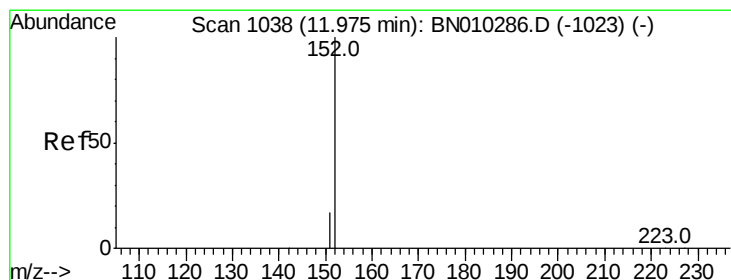
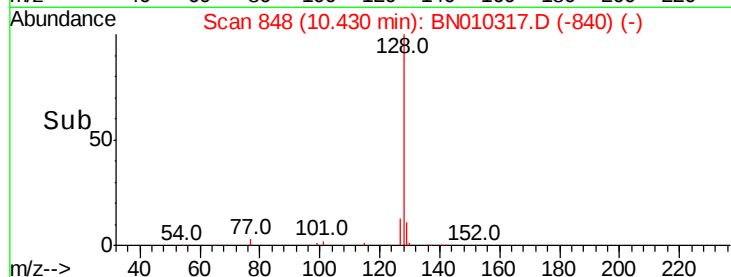
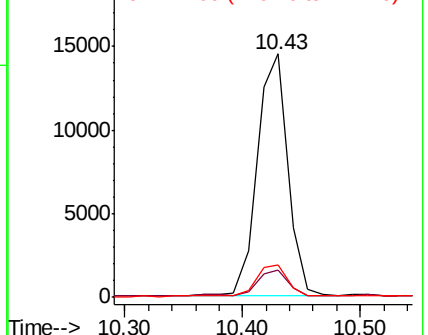
127 13.1 10.4 15.6



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: 0.319 ng

RT: 11.97 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BN010317.D

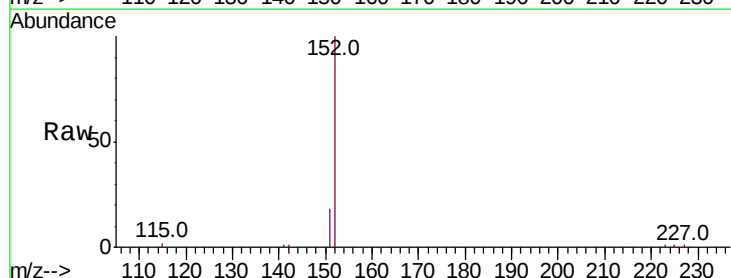
Acq: 20 Mar 2020 23:56

Tgt Ion:152 Resp: 7146

Ion Ratio Lower Upper

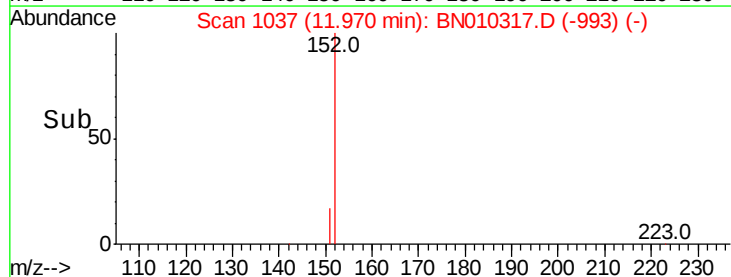
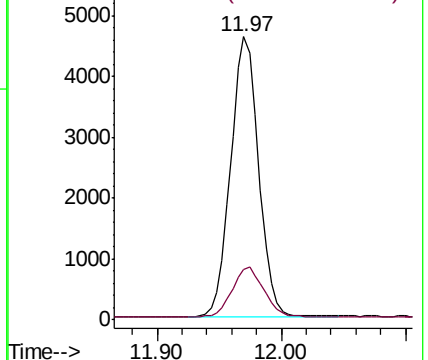
152 100

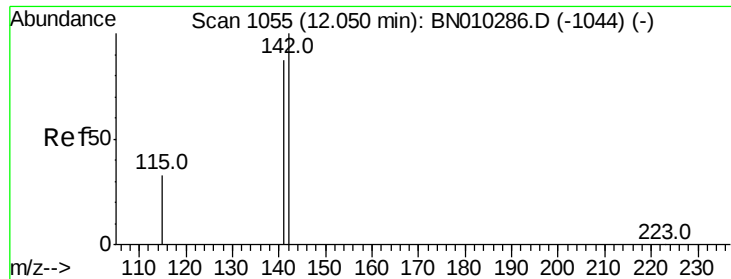
151 20.2 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

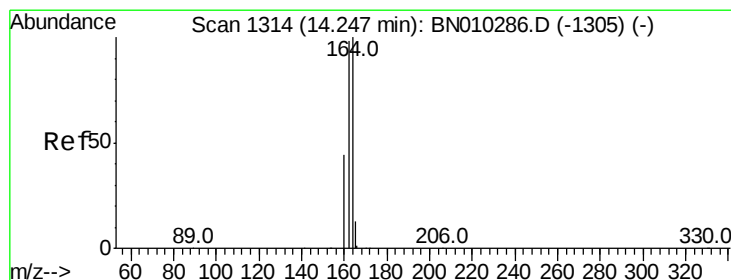
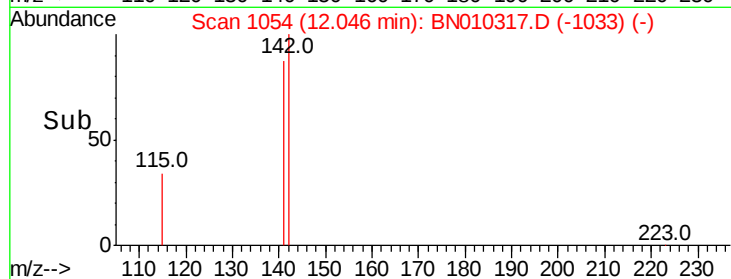
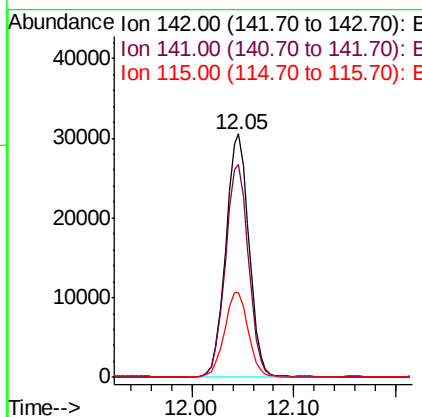
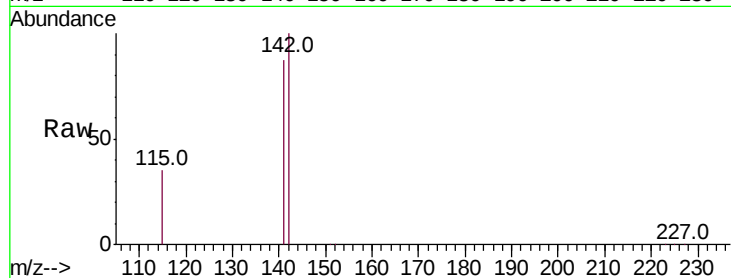




#12
2-Methylnaphthalene
Concen: 1.983 ng
RT: 12.05 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BN010317.D
Acq: 20 Mar 2020 23:56

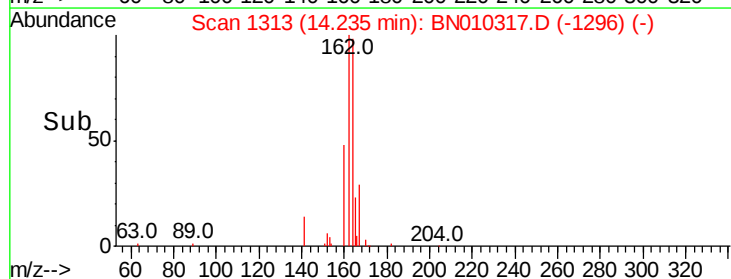
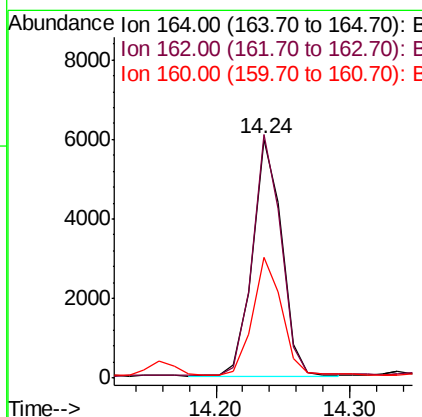
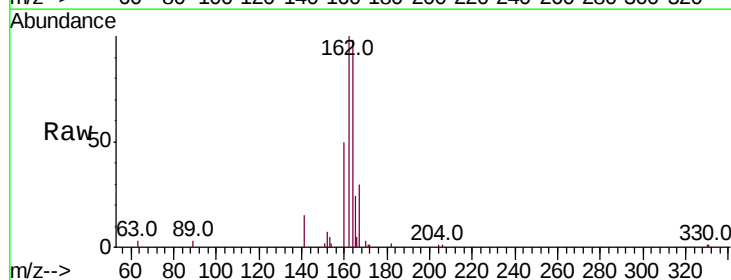
Instrument :
BNA_N
ClientSampleId :

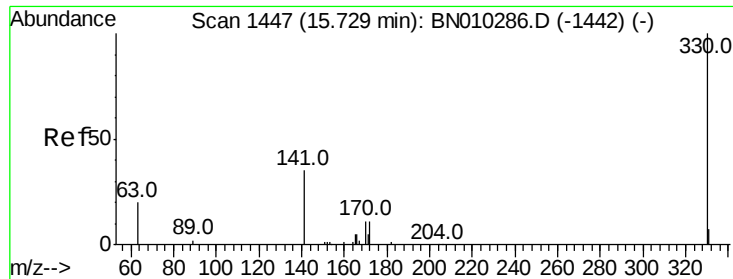
Tot Ion:142 Resp: 48069
Ion Ratio Lower Upper
142 100
141 87.2 69.5 104.3
115 34.8 27.5 41.3



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BN010317.D
Acq: 20 Mar 2020 23:56

Tgt Ion:164 Resp: 9102
Ion Ratio Lower Upper
164 100
162 102.0 78.2 117.2
160 50.8 35.8 53.6

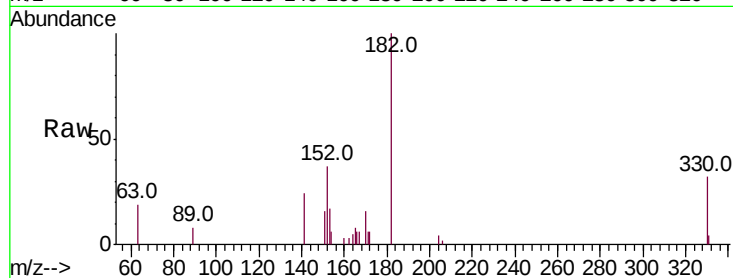




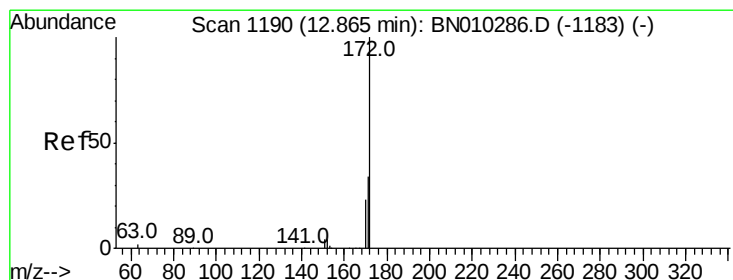
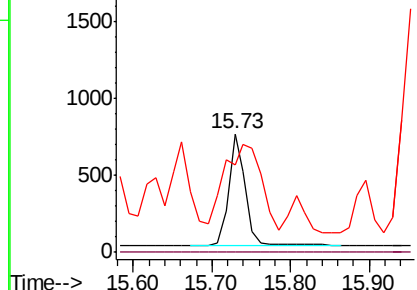
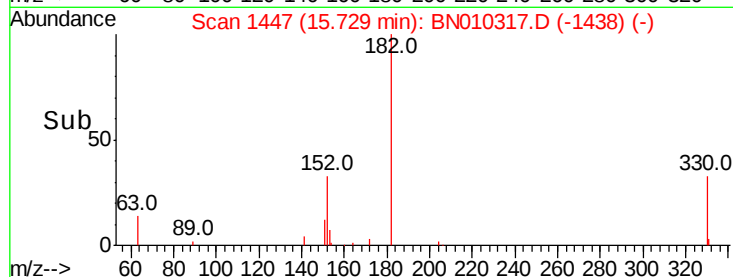
#14
 2,4,6-Tribromophenol
 Concen: 0.304 ng
 RT: 15.73 min Scan# 1447
 Delta R.T. -0.00 min
 Lab File: BN010317.D
 Acq: 20 Mar 2020 23:56

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 1062
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 167.7 29.3 43.9#

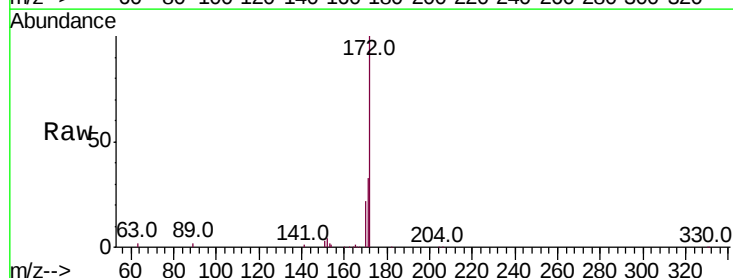


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

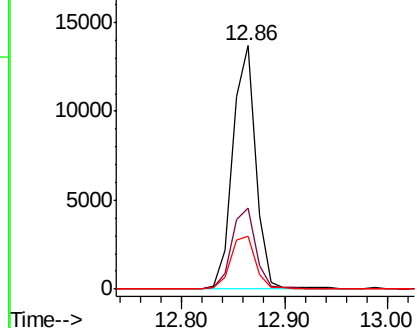
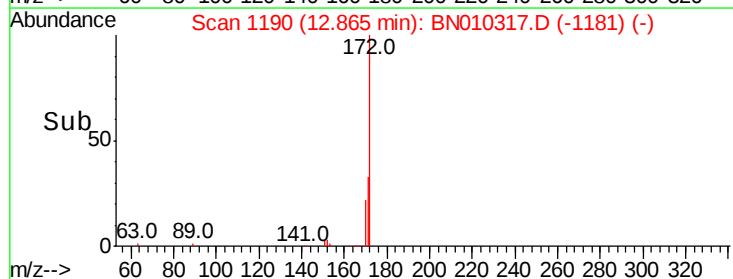


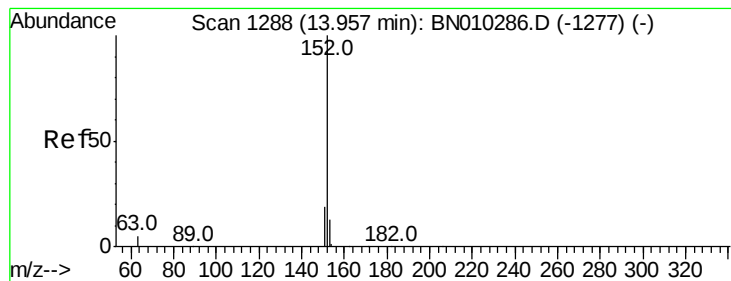
#15
 2-Fluorobiphenyl
 Concen: 0.601 ng
 RT: 12.86 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: BN010317.D
 Acq: 20 Mar 2020 23:56

Tgt Ion:172 Resp: 20950
 Ion Ratio Lower Upper
 172 100
 171 33.3 27.6 41.4
 170 21.9 18.5 27.7



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: 0.126 ng

RT: 13.96 min Scan# 1288

Delta R.T. -0.00 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

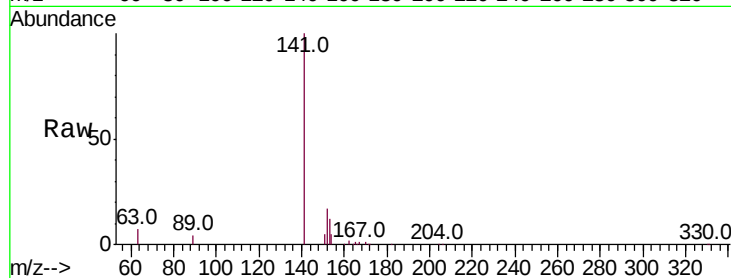
Tot Ion:152 Resp: 4487

Ion Ratio Lower Upper

152 100

151 33.7 15.6 23.4#

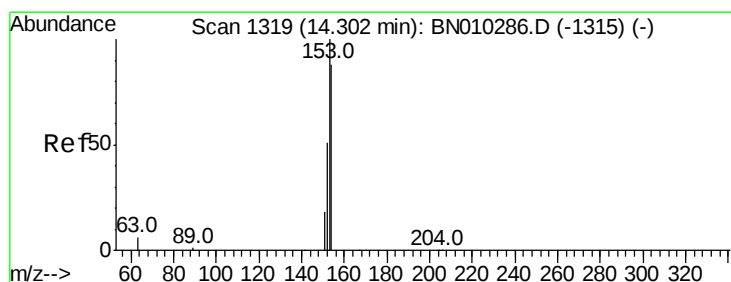
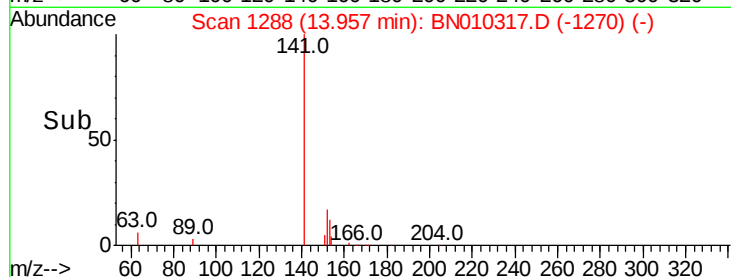
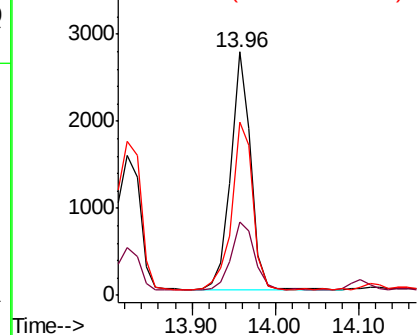
153 74.4 10.6 15.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 1.008 ng

RT: 14.30 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

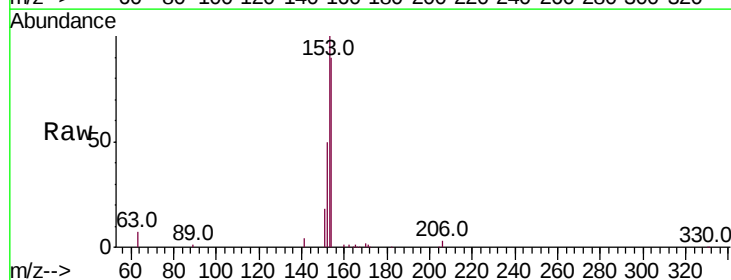
Tgt Ion:154 Resp: 25650

Ion Ratio Lower Upper

154 100

153 114.4 88.1 132.1

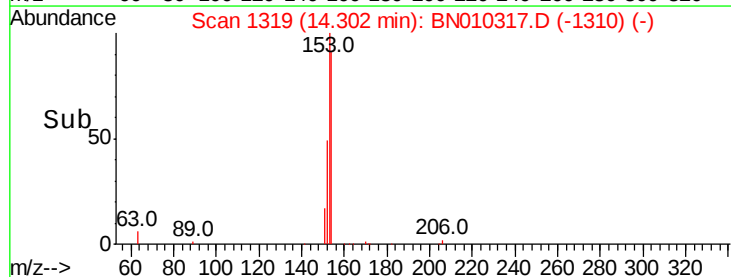
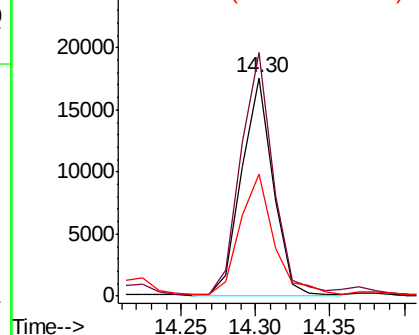
152 58.9 45.5 68.3

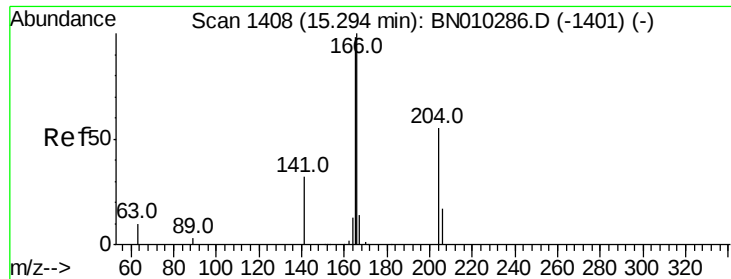


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 1.790 ng

RT: 15.29 min Scan# 1408

Delta R.T. -0.00 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

Instrument :

BNA_N

ClientSampled :

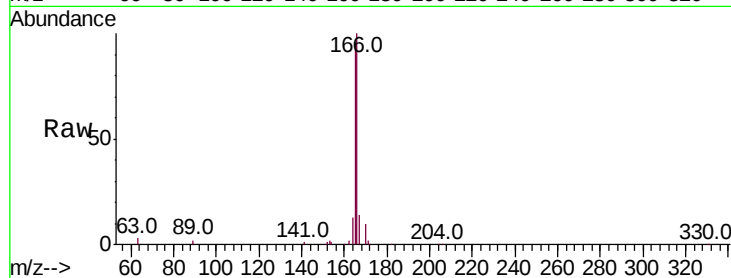
Tot Ion:166 Resp: 60485

Ion Ratio Lower Upper

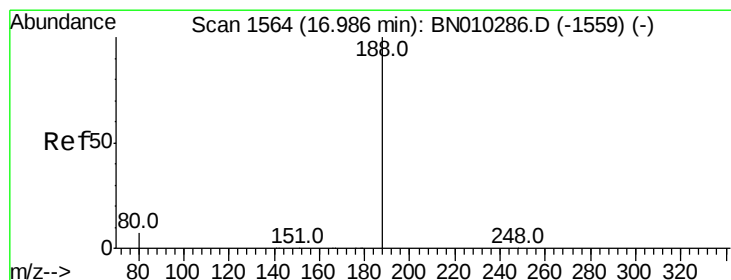
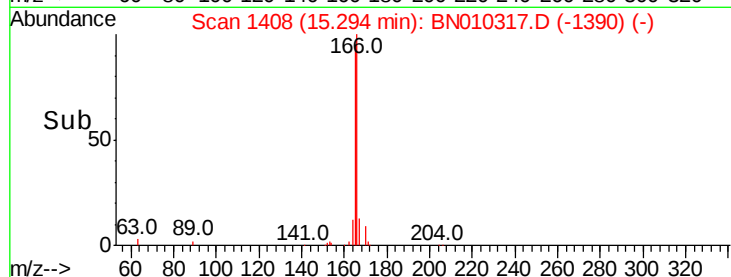
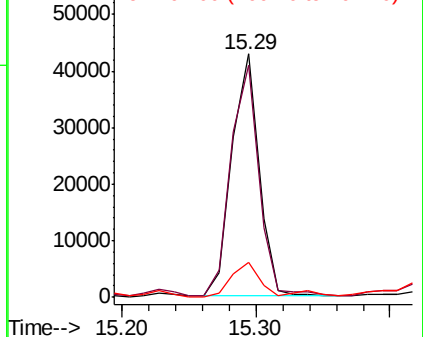
166 100

165 98.7 78.7 118.1

167 14.8 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.99 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

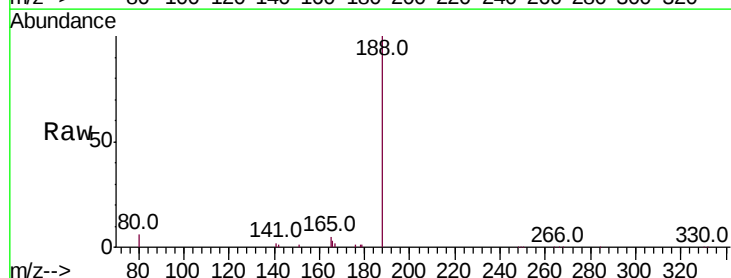
Tgt Ion:188 Resp: 22610

Ion Ratio Lower Upper

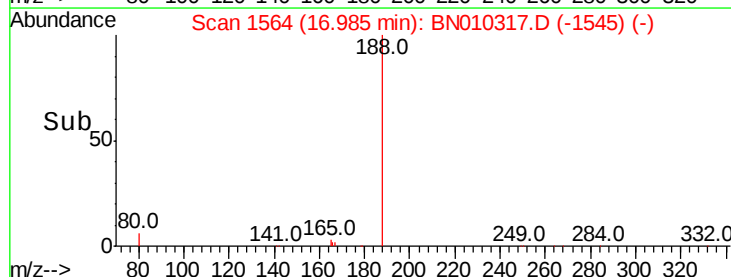
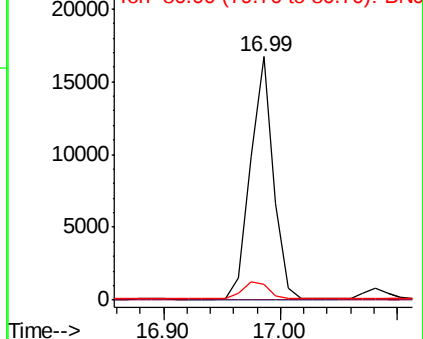
188 100

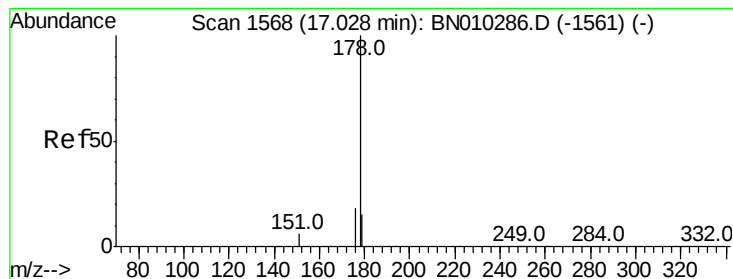
94 0.0 0.0 0.0

80 6.3 6.0 9.0



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: 5.662 ng

RT: 17.03 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

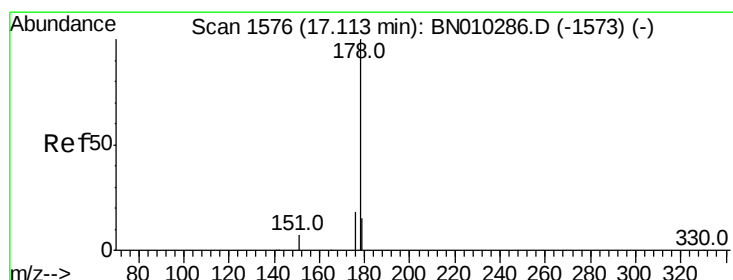
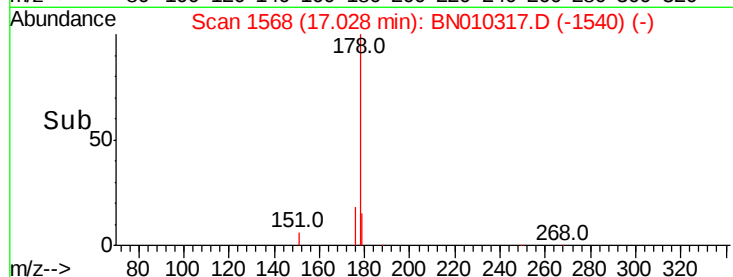
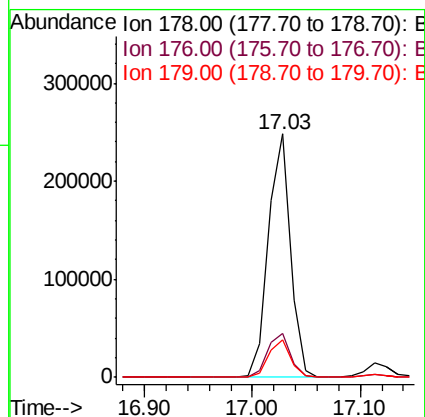
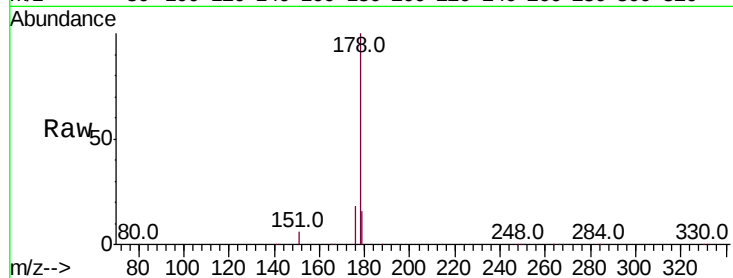
Tot Ion:178 Resp: 351851

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

179 15.4 12.4 18.6



#24

Anthracene

Concen: 0.410 ng

RT: 17.11 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

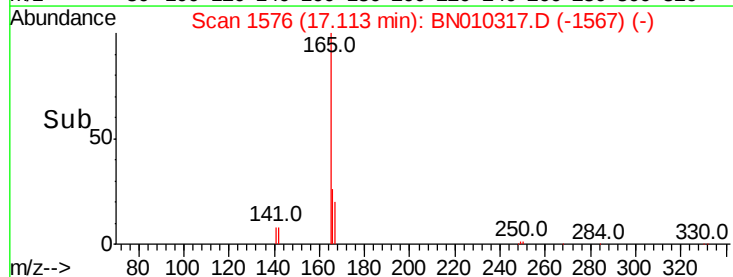
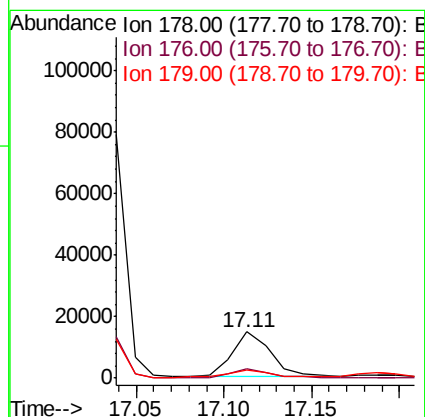
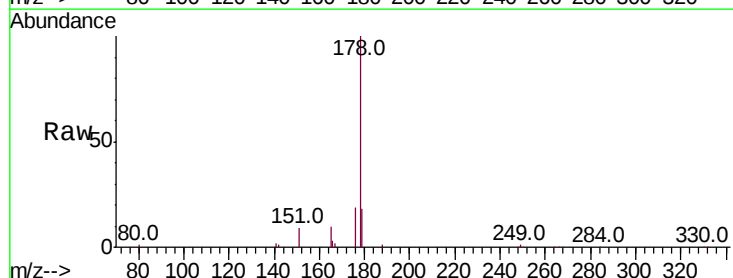
Tgt Ion:178 Resp: 21810

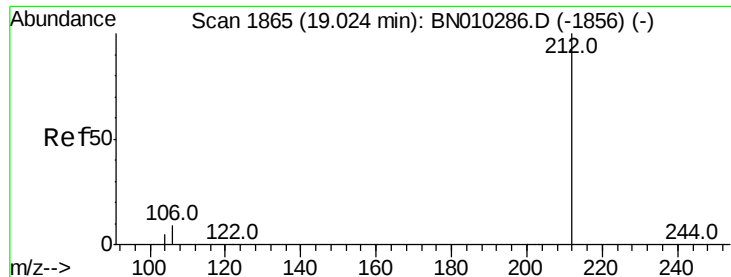
Ion Ratio Lower Upper

178 100

176 19.9 14.5 21.7

179 19.1 12.3 18.5#





#25

Fluoranthene-d10

Concen: 0.340 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

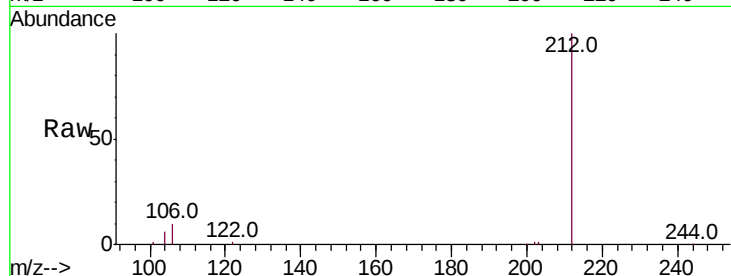
Tot Ion:212 Resp: 23212

Ion Ratio Lower Upper

212 100

106 8.9 7.4 11.2

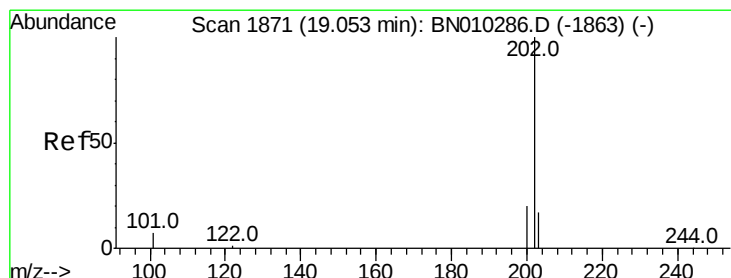
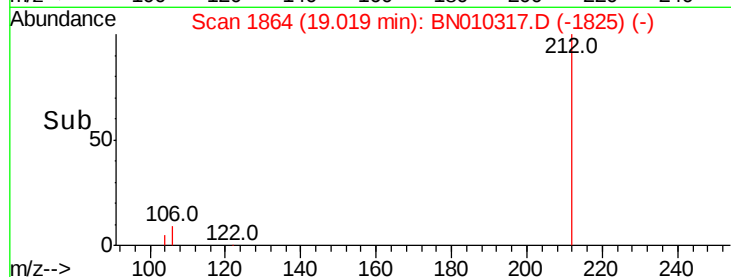
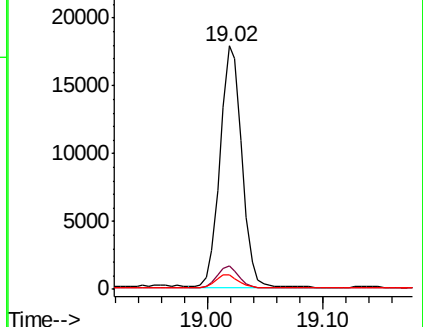
104 5.5 4.2 6.4



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: 0.632 ng

RT: 19.05 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

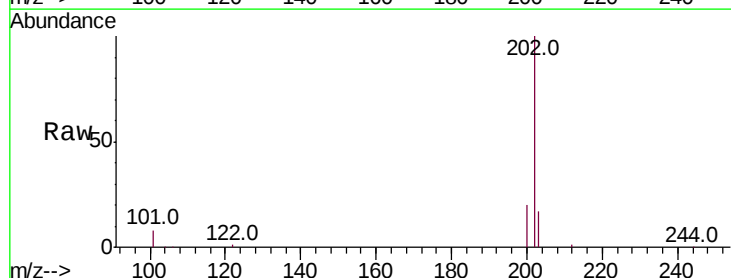
Tgt Ion:202 Resp: 48146

Ion Ratio Lower Upper

202 100

101 7.7 6.6 9.8

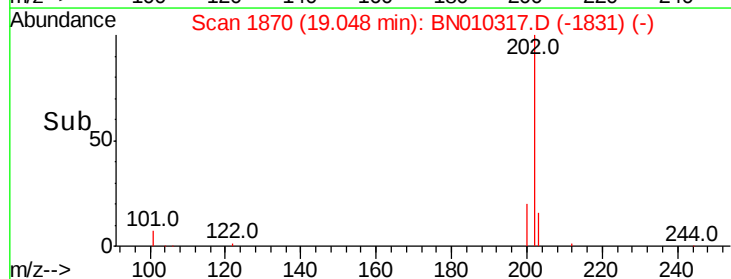
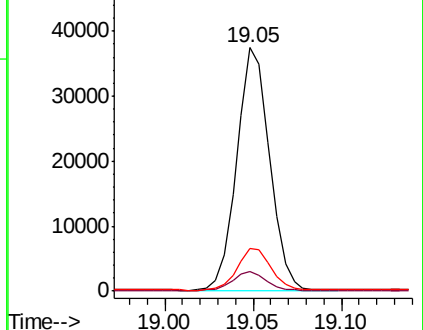
203 17.5 13.8 20.8

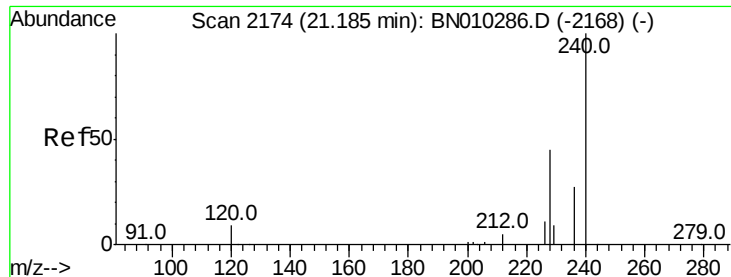


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

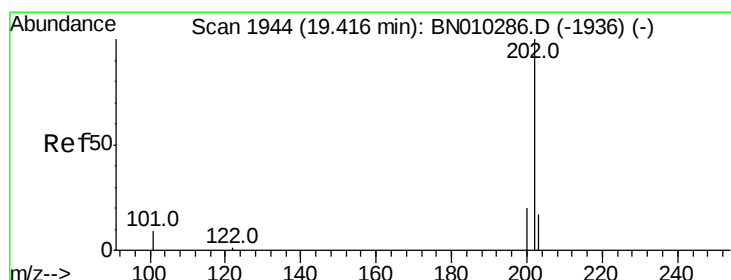
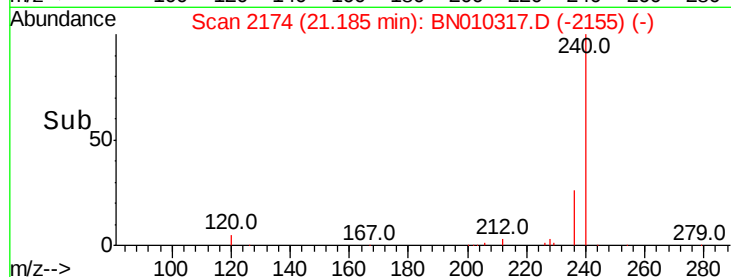
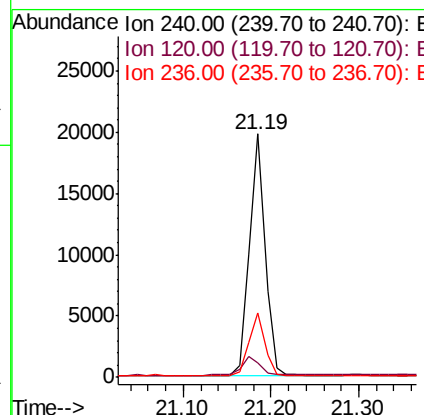
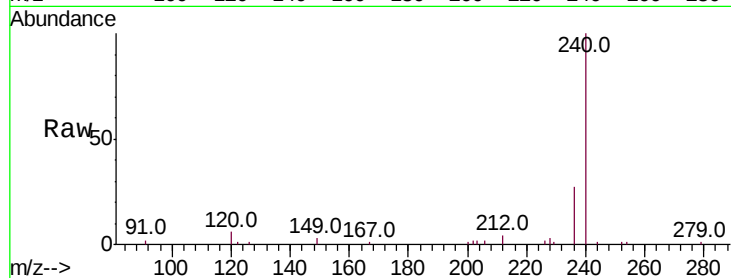




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.19 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: BN010317.D
 Acq: 20 Mar 2020 23:56

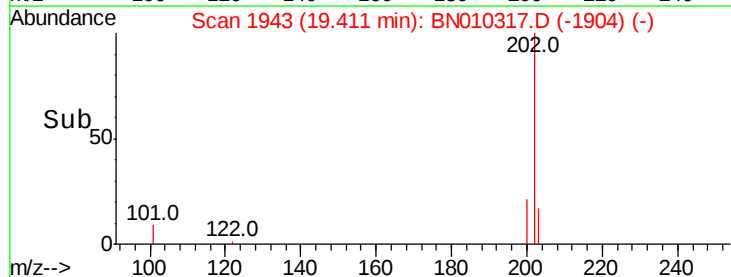
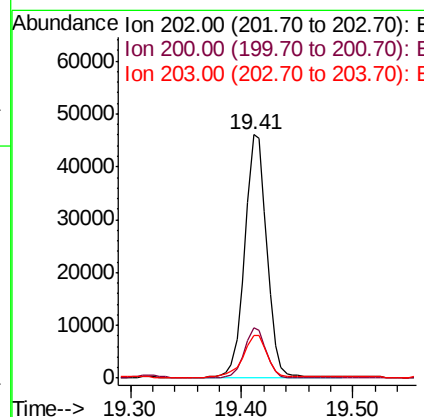
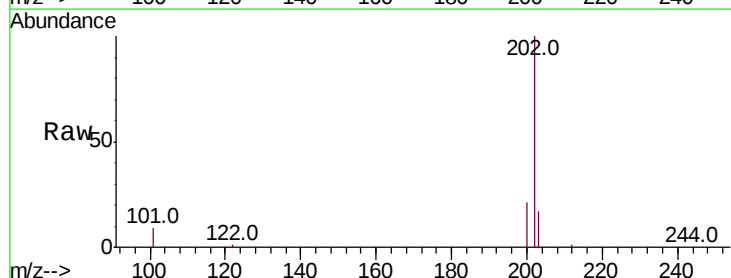
Instrument :
 BNA_N
 ClientSampled :

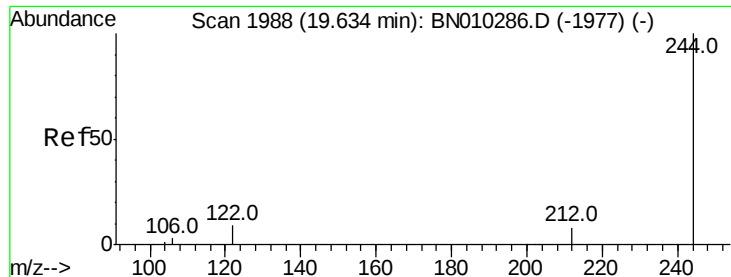
Tot Ion:240 Resp: 24964
 Ion Ratio Lower Upper
 240 100
 120 5.9 7.9 11.9#
 236 26.7 22.2 33.4



#28
 Pyrene
 Concen: 0.808 ng
 RT: 19.41 min Scan# 1943
 Delta R.T. -0.01 min
 Lab File: BN010317.D
 Acq: 20 Mar 2020 23:56

Tgt Ion:202 Resp: 62777
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.2 24.4
 203 19.8 14.2 21.2





#29

Terphenyl-d14

Concen: 0.556 ng

RT: 19.63 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

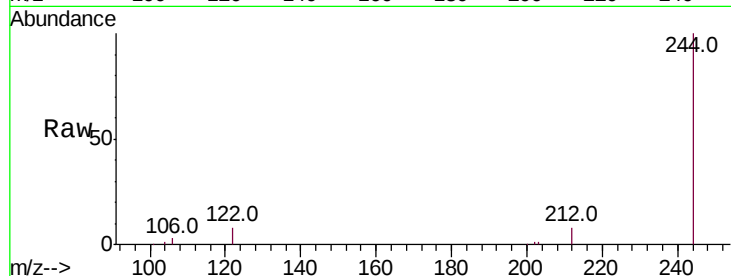
Tot Ion:244 Resp: 30004

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

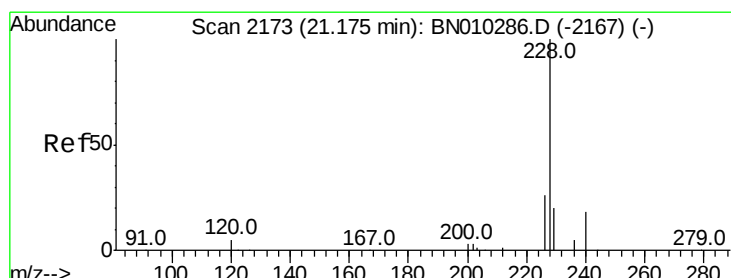
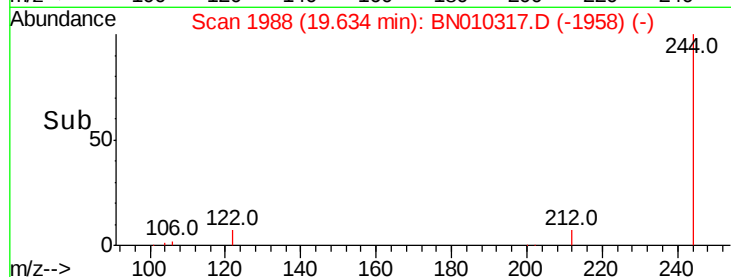
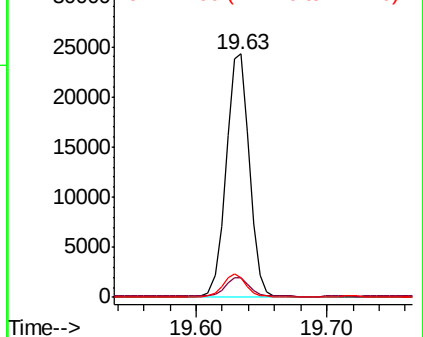
122 7.8 7.6 11.4



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: 0.040 ng

RT: 21.16 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

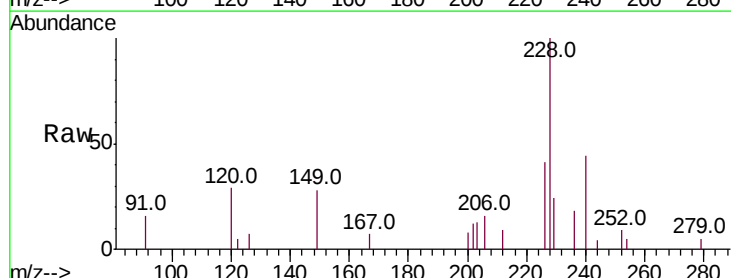
Tgt Ion:228 Resp: 3192

Ion Ratio Lower Upper

228 100

226 40.6 21.0 31.4#

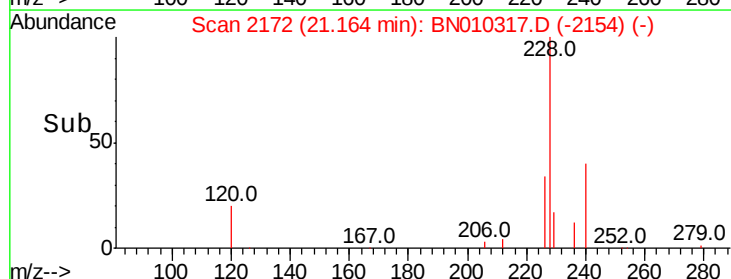
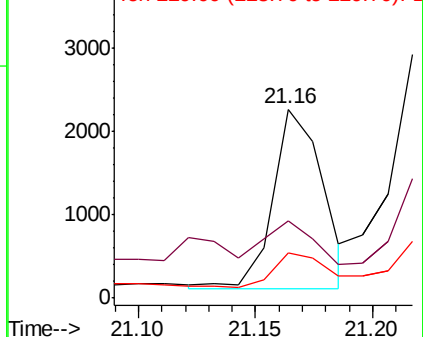
229 23.6 16.0 24.0

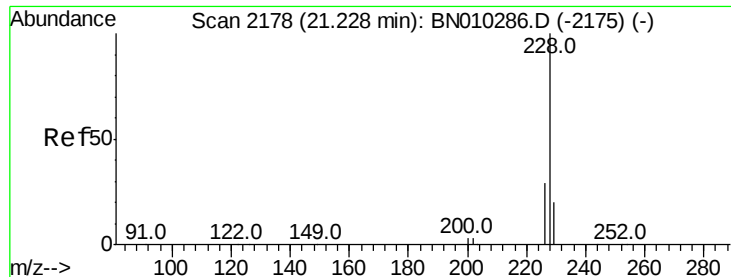


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.048 ng

RT: 21.22 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

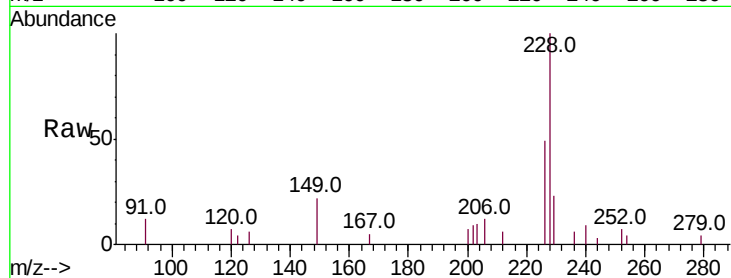
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 4121

Ion	Ratio	Lower	Upper
228	100		
226	49.3	23.0	34.6#
229	23.2	16.0	24.0

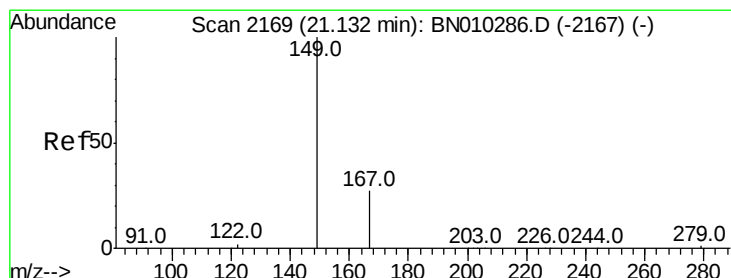
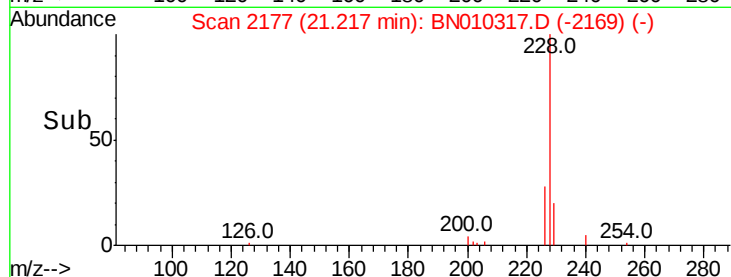
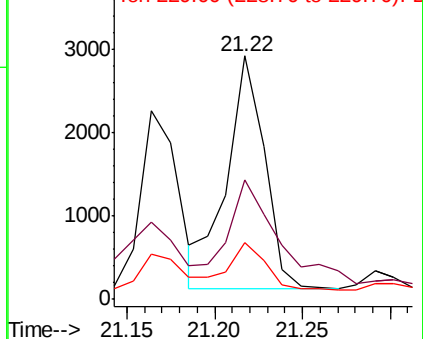


Abundance

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: 0.073 ng

RT: 21.13 min Scan# 2169

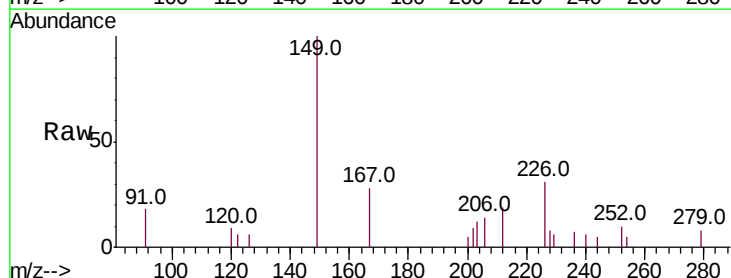
Delta R.T. -0.00 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

Tgt Ion:149 Resp: 1955

Ion	Ratio	Lower	Upper
149	100		
167	30.8	23.0	34.6
279	5.9	3.8	5.8#

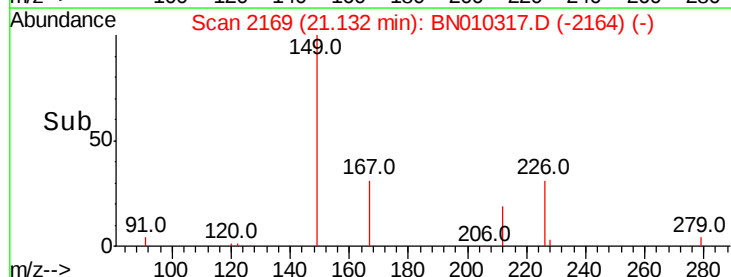
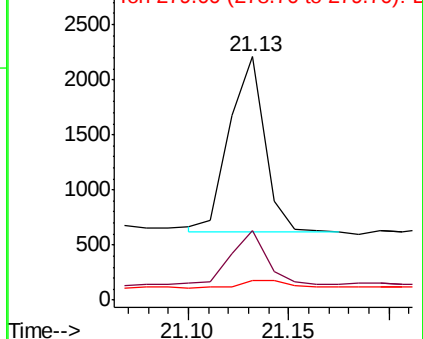


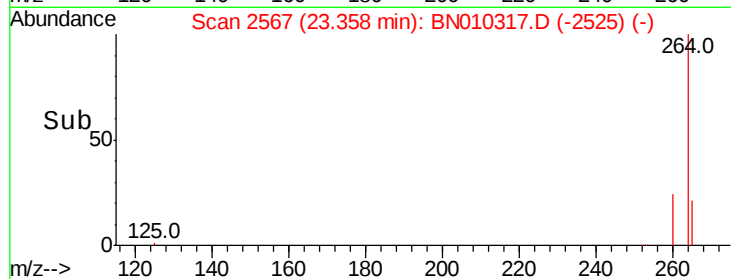
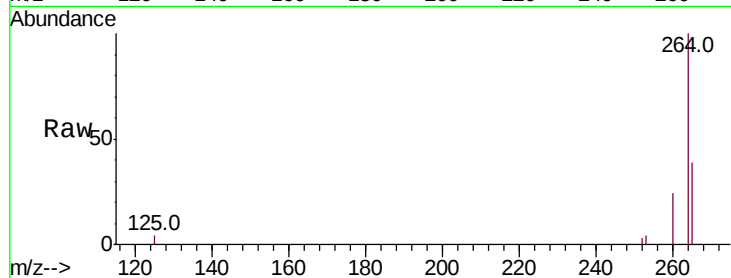
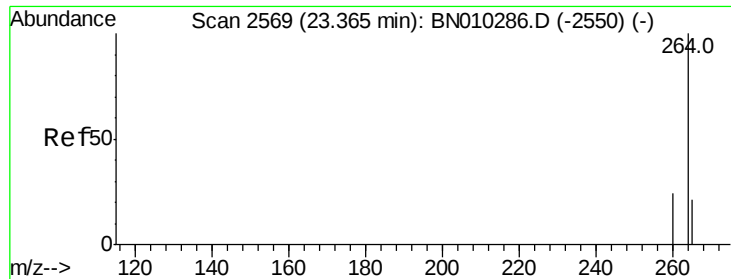
Abundance

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





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.36 min Scan# 2567

Delta R.T. -0.01 min

Lab File: BN010317.D

Acq: 20 Mar 2020 23:56

Instrument :

BNA_N

ClientSampleId :

Tot Ion:264 Resp: 25631

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 38.7 32.4 48.6

