

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032420\
 Data File : BN010328.D
 Acq On : 24 Mar 2020 16:16
 Operator : CG/JU
 Sample : L1997-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW203D-20200315MSD

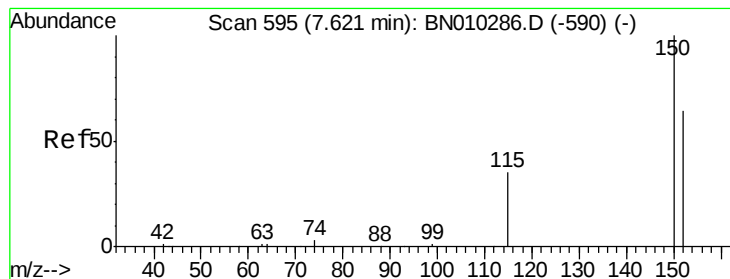
Quant Time: Mar 24 16:52:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 15:26:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	4762	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	16158	0.40	ng	0.00
13) Acenaphthene-d10	14.24	164	9373	0.40	ng	0.00
19) Phenanthrene-d10	16.98	188	22780	0.40	ng	0.00
27) Chrysene-d12	21.19	240	24388	0.40	ng	0.00
34) Perylene-d12	23.36	264	24518	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	1342	0.14	ng	0.00
5) Phenol-d6	6.80	99	1047	0.09	ng	0.00
8) Nitrobenzene-d5	8.75	82	6136	0.59	ng	0.00
11) 2-Methylnaphthalene-d10	11.97	152	8345	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.74	330	1202	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.86	172	22953	0.64	ng	0.00
25) Fluoranthene-d10	19.02	212	21970	0.32	ng	0.00
29) Terphenyl-d14	19.63	244	28701	0.54	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.25	88	1924	0.430	ng	# 86
3) n-Nitrosodimethylamine	3.55	42	550	0.146	ng	# 84
6) bis(2-Chloroethyl)ether	7.05	93	4741	0.421	ng	99
9) Naphthalene	10.42	128	17065	0.424	ng	99
10) Hexachlorobutadiene	10.73	225	4000	0.410	ng	# 99
12) 2-Methylnaphthalene	12.04	142	11748	0.421	ng	98
16) Acenaphthylene	13.95	152	15243	0.414	ng	100
17) Acenaphthene	14.30	154	11071	0.422	ng	99
18) Fluorene	15.29	166	14545	0.418	ng	99
20) 4-Bromophenyl-phenylether	16.18	248	5340	0.386	ng	98
21) Hexachlorobenzene	16.30	284	5713	0.402	ng	100
22) Pentachlorophenol	16.64	266	4125	0.849	ng	96
23) Phenanthrene	17.02	178	26105	0.417	ng	100
24) Anthracene	17.11	178	21915	0.409	ng	100
26) Fluoranthene	19.05	202	32597	0.425	ng	100
28) Pyrene	19.41	202	33155	0.437	ng	100
30) Benzo(a)anthracene	21.17	228	32709	0.421	ng	99
31) Chrysene	21.22	228	34460	0.414	ng	99
32) Bis(2-ethylhexyl)phthalate	21.12	149	10517	0.401	ng	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	35877	0.402	ng	99
35) Benzo(b)fluoranthene	22.71	252	34633	0.416	ng	99
36) Benzo(k)fluoranthene	22.75	252	36872	0.435	ng	98
37) Benzo(a)pyrene	23.26	252	30372	0.432	ng	98
38) Dibenzo(a,h)anthracene	25.52	278	30315	0.399	ng	99
39) Benzo(g,h,i)perylene	26.15	276	30432	0.398	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.62 min Scan# 595

Delta R.T. 0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

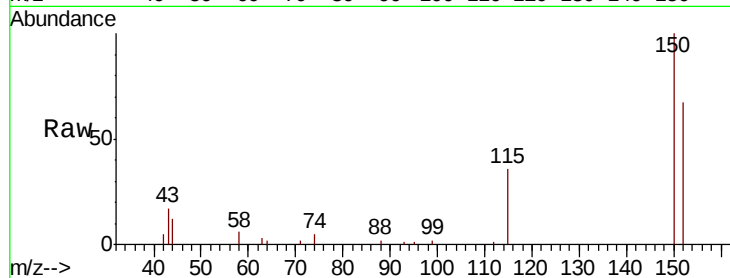
Tot Ion:152 Resp: 4762

Ion Ratio Lower Upper

152 100

150 150.3 123.1 184.7

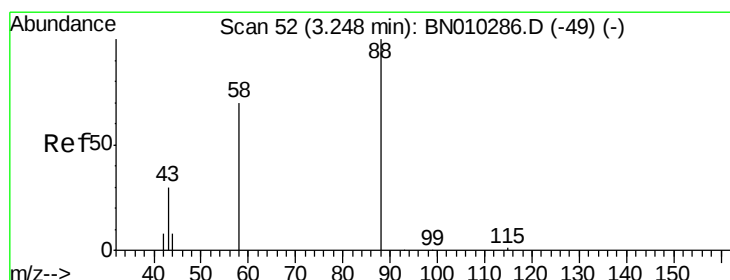
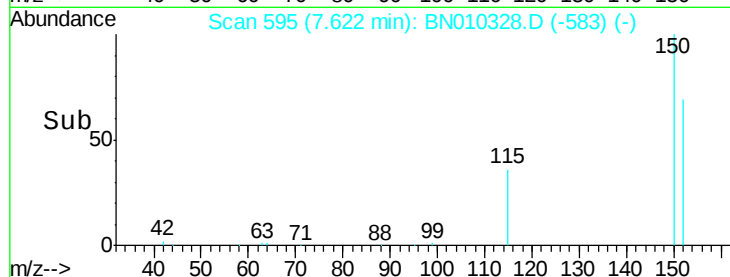
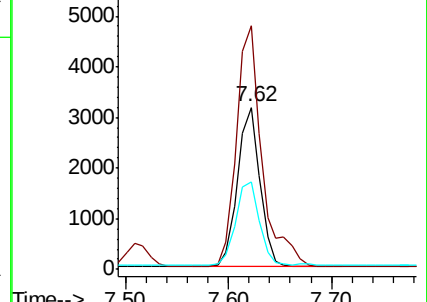
115 53.8 45.2 67.8



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



#2

1,4-Dioxane

Concen: 0.430 ng

RT: 3.25 min Scan# 52

Delta R.T. 0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

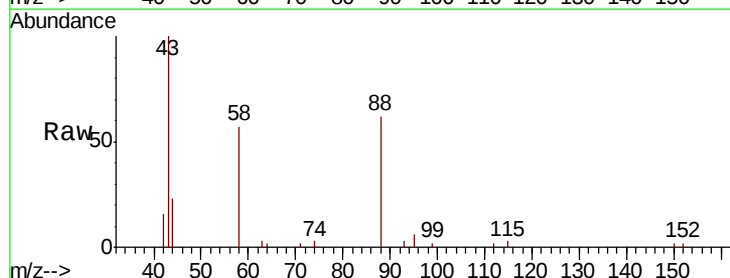
Tgt Ion: 88 Resp: 1924

Ion Ratio Lower Upper

88 100

58 60.4 51.7 77.5

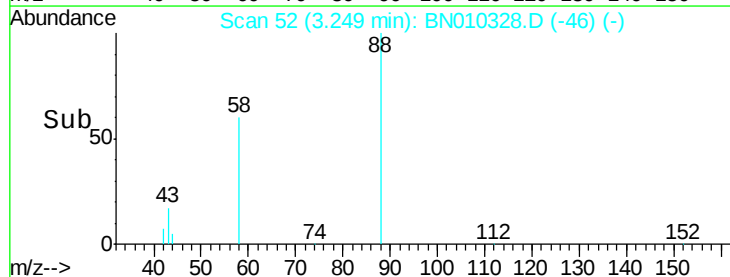
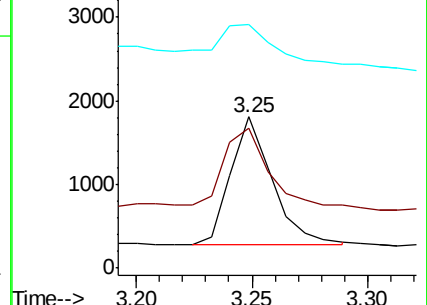
43 44.6 21.2 31.8#

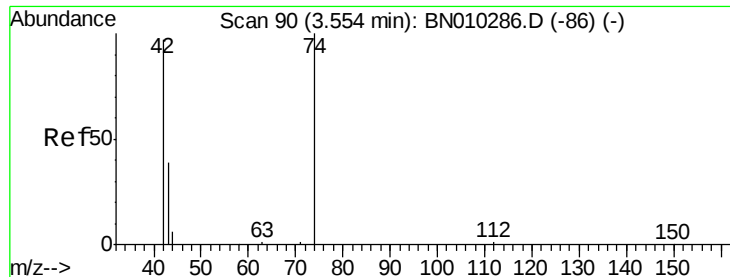


Abundance Ion 88.00 (87.70 to 88.70): BN0

Ion 58.00 (57.70 to 58.70): BN0

Ion 43.00 (42.70 to 43.70): BN0



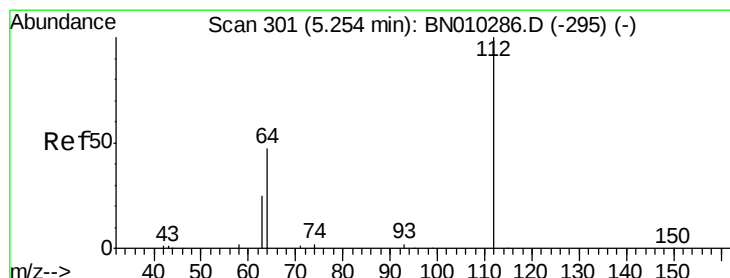
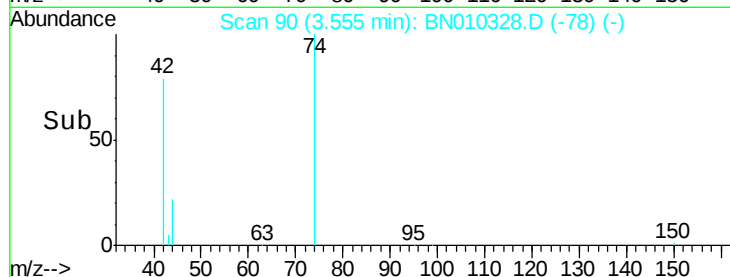
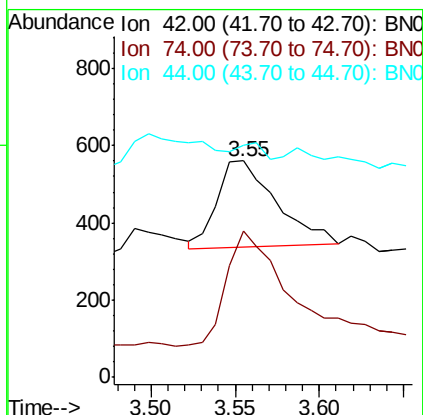
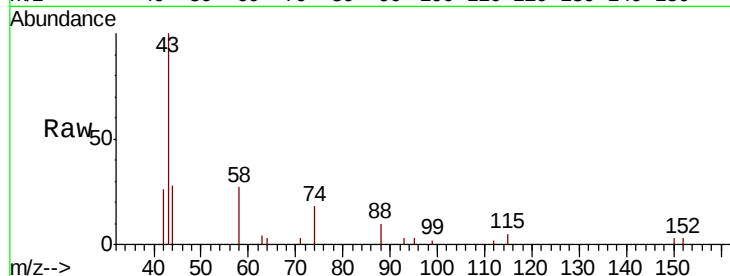


#3

n-Nitrosodimethylamine
 Concen: 0.146 ng
 RT: 3.55 min Scan# 90
 Delta R.T. 0.00 min
 Lab File: BN010328.D
 Acq: 24 Mar 2020 16:16

Instrument :
 BNA_N
 ClientSampleId :
 MW203D-20200315MSD

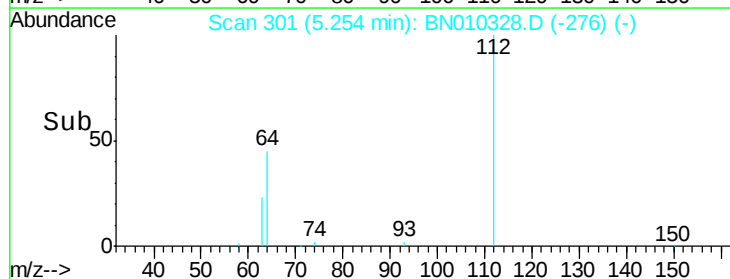
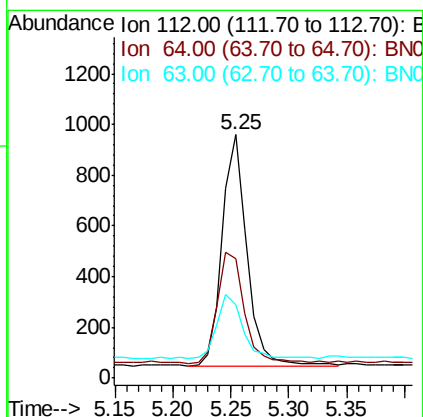
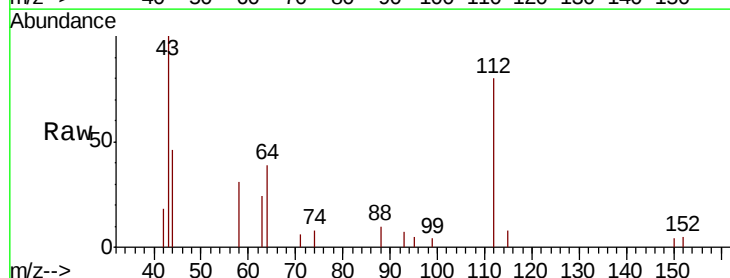
Tot Ion: 42 Resp: 550
 Ion Ratio Lower Upper
 42 100
 74 142.2 99.4 149.0
 44 0.0 4.8 7.2#

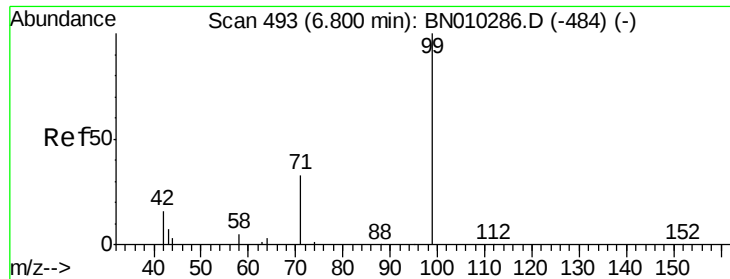


#4

2-Fluorophenol
 Concen: 0.142 ng
 RT: 5.25 min Scan# 301
 Delta R.T. 0.00 min
 Lab File: BN010328.D
 Acq: 24 Mar 2020 16:16

Tgt Ion: 112 Resp: 1342
 Ion Ratio Lower Upper
 112 100
 64 53.4 41.4 62.2
 63 30.3 22.9 34.3





#5

Phenol-d6

Concen: 0.089 ng

RT: 6.80 min Scan# 493

Delta R.T. 0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

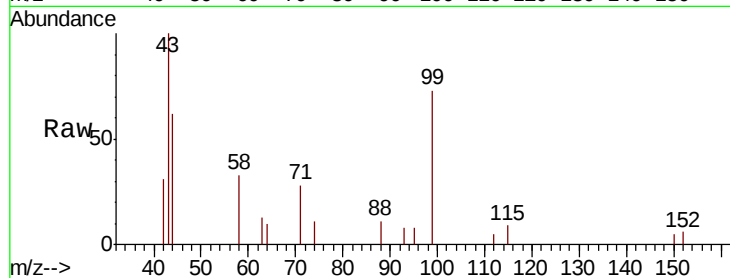
Tot Ion: 99 Resp: 1047

Ion Ratio Lower Upper

99 100

42 31.7 14.8 22.2#

71 37.0 27.3 40.9

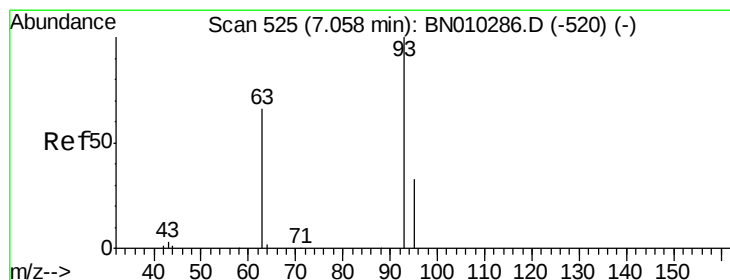
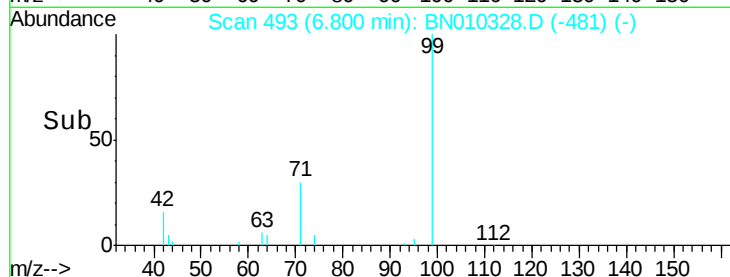


Abundance Ion 99.00 (98.70 to 99.70): BN010328.D (-484) (-)

Ion 42.00 (41.70 to 42.70): BN010328.D (-484) (-)

Ion 71.00 (70.70 to 71.70): BN010328.D (-484) (-)

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.421 ng

RT: 7.05 min Scan# 524

Delta R.T. -0.01 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

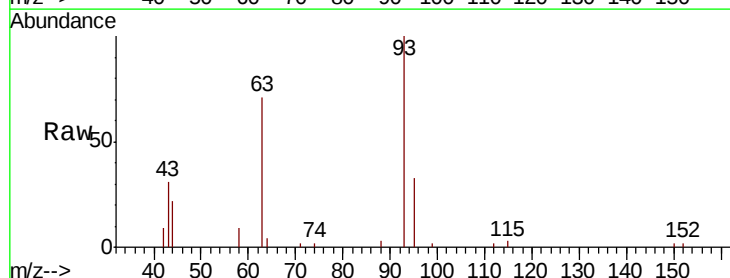
Tgt Ion: 93 Resp: 4741

Ion Ratio Lower Upper

93 100

63 70.1 55.6 83.4

95 33.5 26.2 39.4

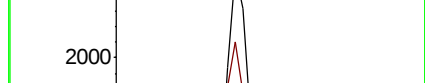
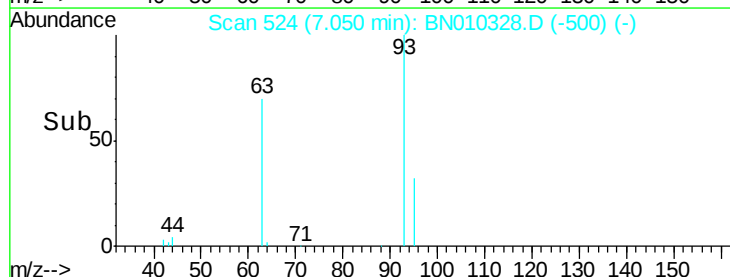


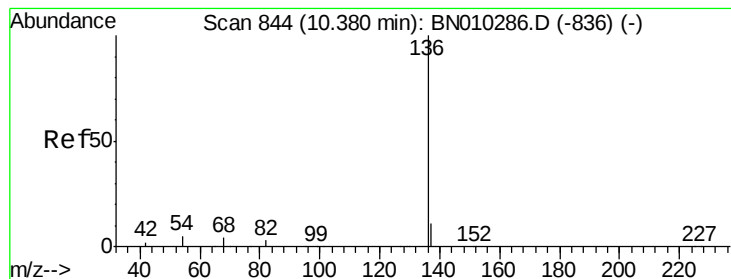
Abundance Ion 93.00 (92.70 to 93.70): BN010328.D (-520) (-)

Ion 63.00 (62.70 to 63.70): BN010328.D (-520) (-)

Ion 95.00 (94.70 to 95.70): BN010328.D (-520) (-)

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. 0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

Tot Ion:136 Resp: 16158

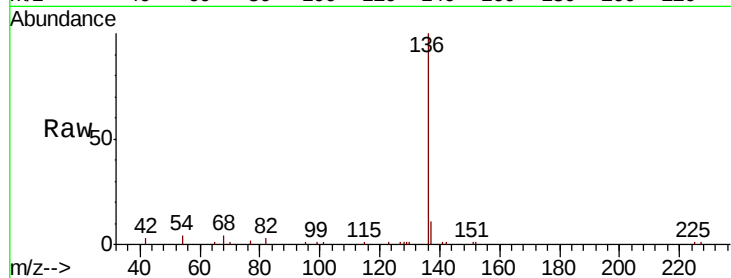
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 4.2 4.8 7.2#

68 3.7 4.1 6.1#

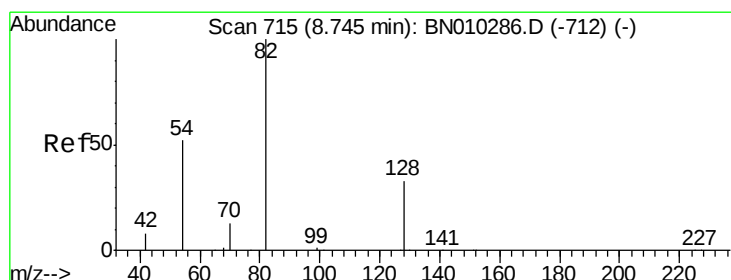
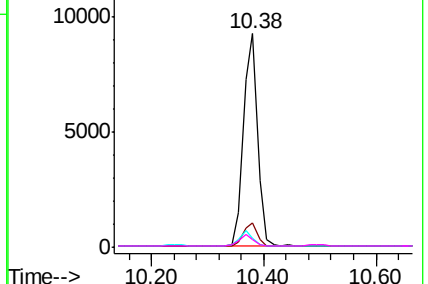
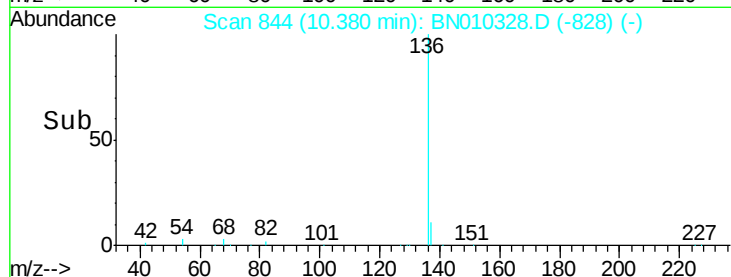


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.593 ng

RT: 8.75 min Scan# 715

Delta R.T. 0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

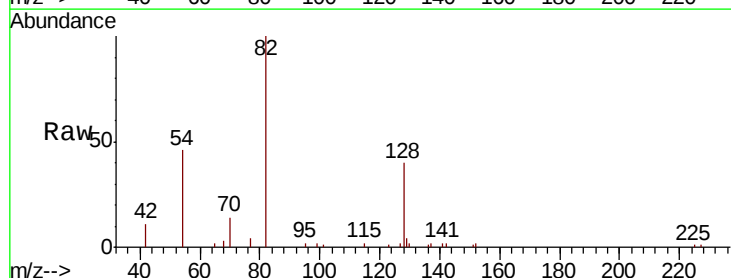
Tgt Ion: 82 Resp: 6136

Ion Ratio Lower Upper

82 100

128 39.6 28.8 43.2

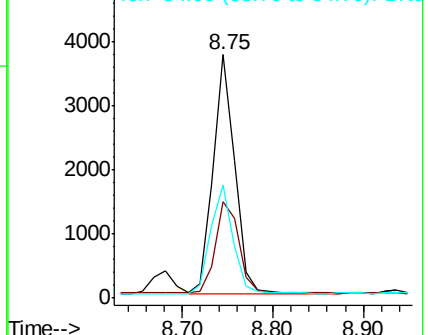
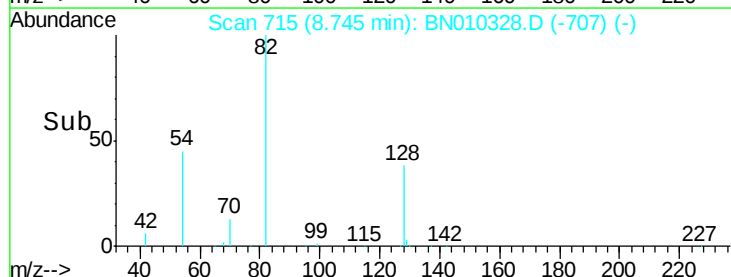
54 46.3 42.1 63.1

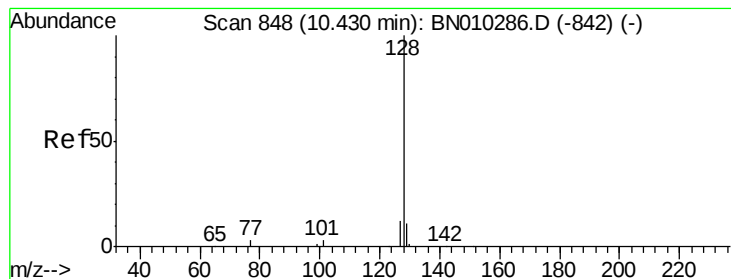


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.424 ng

RT: 10.42 min Scan# 847

Delta R.T. -0.01 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

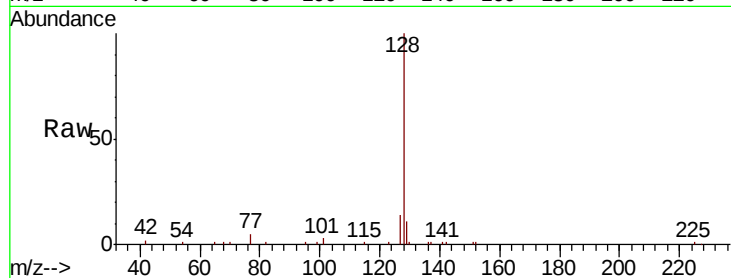
Tot Ion:128 Resp: 17065

Ion Ratio Lower Upper

128 100

129 11.5 9.1 13.7

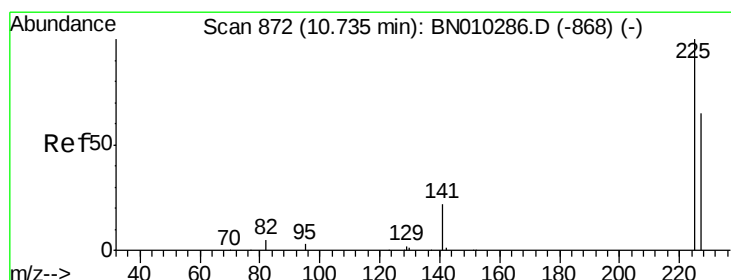
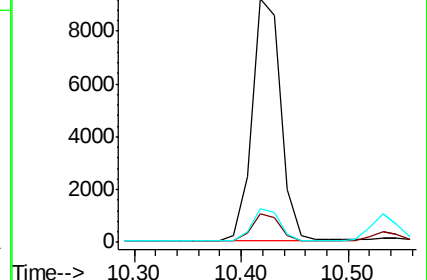
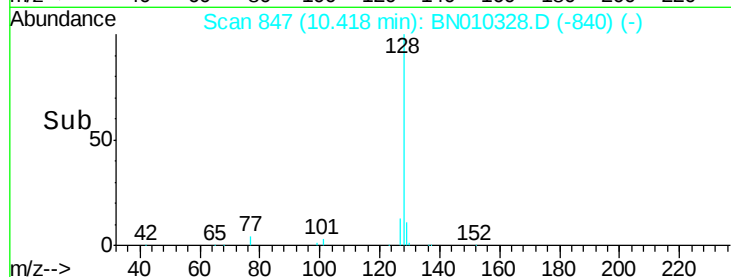
127 13.8 10.4 15.6



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



#10

Hexachlorobutadiene

Concen: 0.410 ng

RT: 10.73 min Scan# 872

Delta R.T. 0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

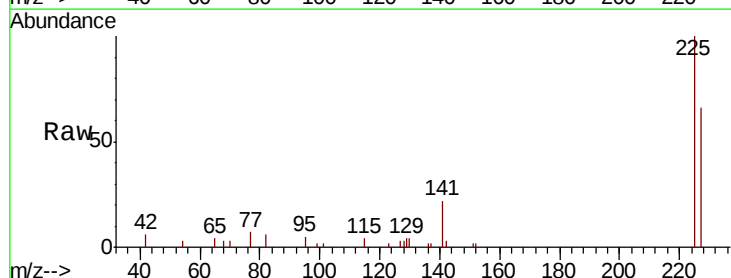
Tgt Ion:225 Resp: 4000

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

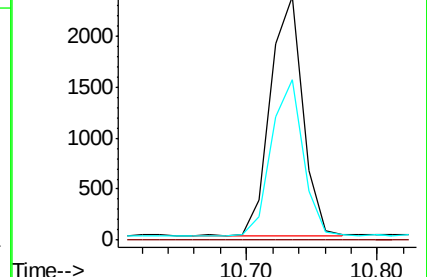
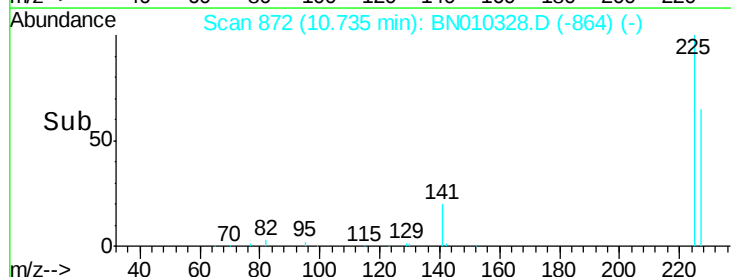
227 63.8 51.9 77.9

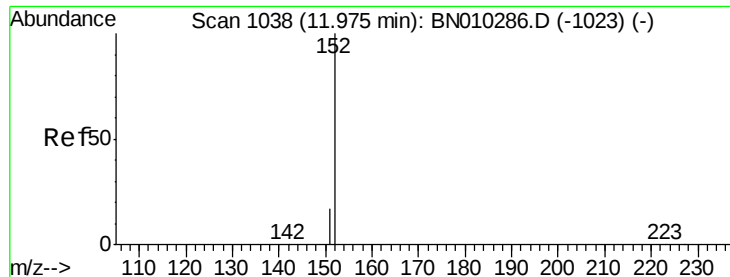


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

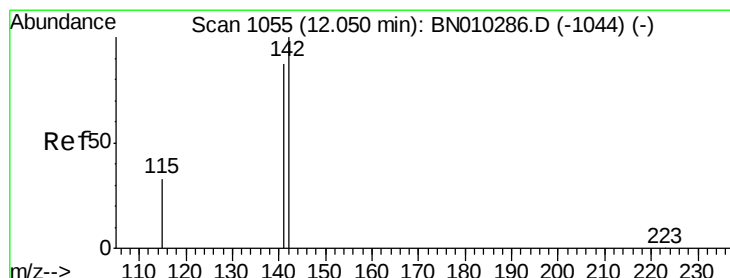
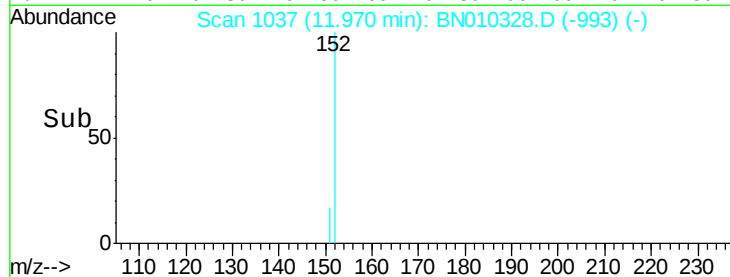
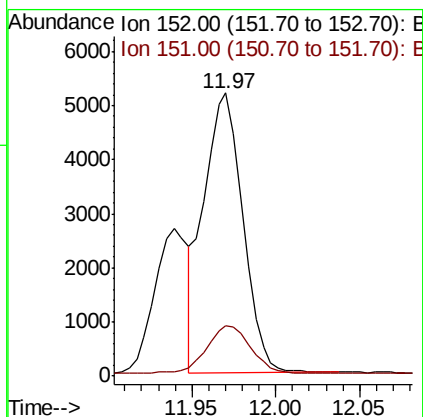
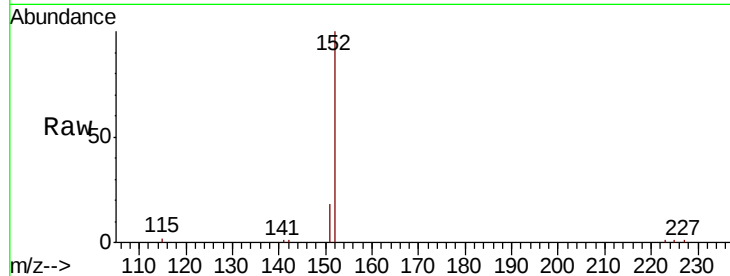




#11
2-Methylnaphthalene-d10
Concen: 0.324 ng
RT: 11.97 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BN010328.D
Acq: 24 Mar 2020 16:16

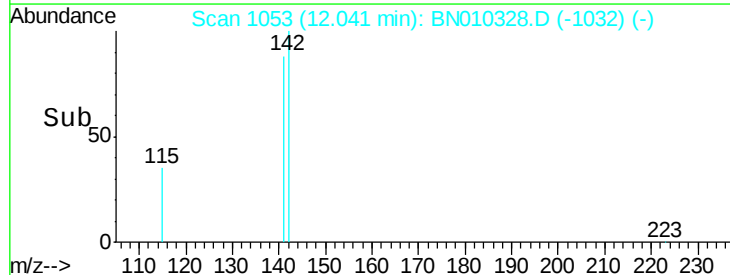
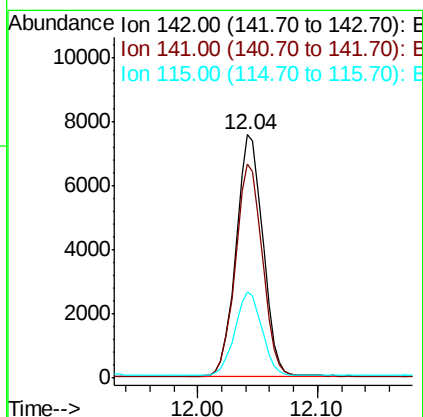
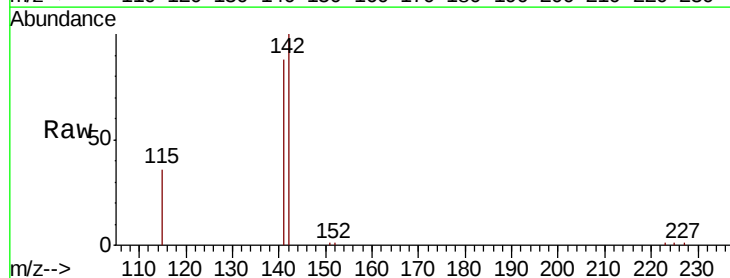
Instrument :
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MW203D-20200315MSD

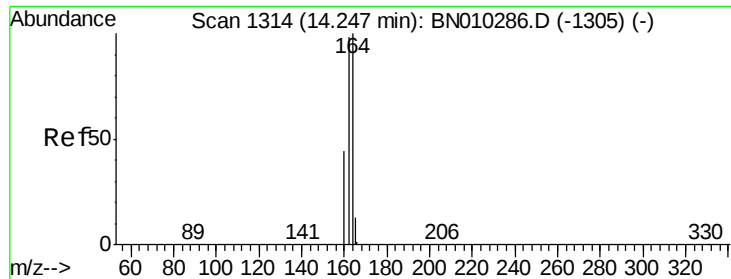
Tot Ion:152 Resp: 8345
Ion Ratio Lower Upper
152 100
151 19.4 15.4 23.2



#12
2-Methylnaphthalene
Concen: 0.421 ng
RT: 12.04 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BN010328.D
Acq: 24 Mar 2020 16:16

Tgt Ion:142 Resp: 11748
Ion Ratio Lower Upper
142 100
141 88.2 69.5 104.3
115 35.6 27.5 41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

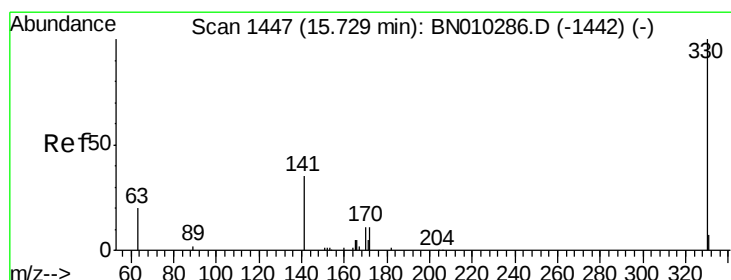
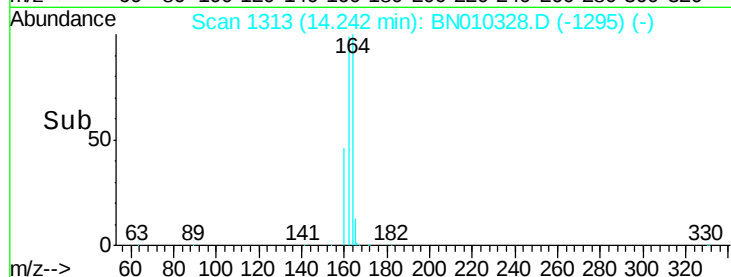
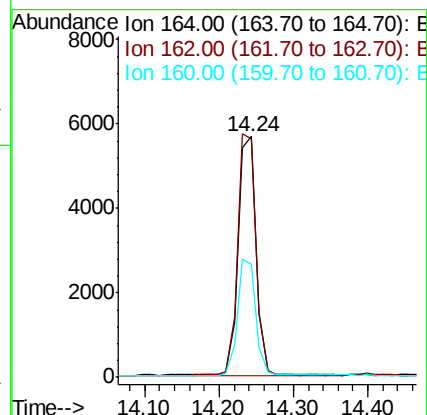
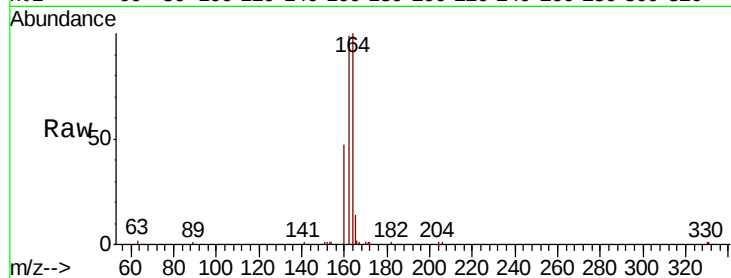
Tot Ion:164 Resp: 9373

Ion Ratio Lower Upper

164 100

162 99.0 78.2 117.2

160 46.7 35.8 53.6



#14

2,4,6-Tribromophenol

Concen: 0.334 ng

RT: 15.74 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

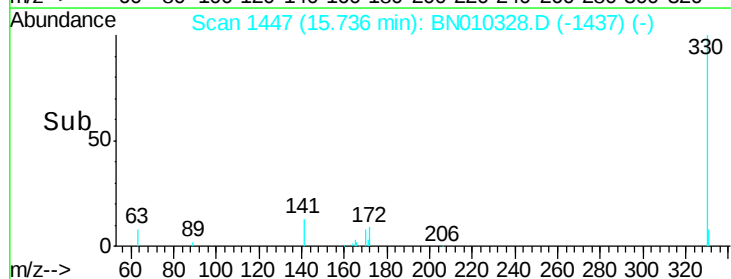
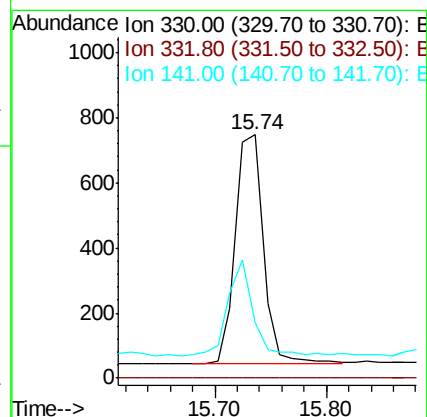
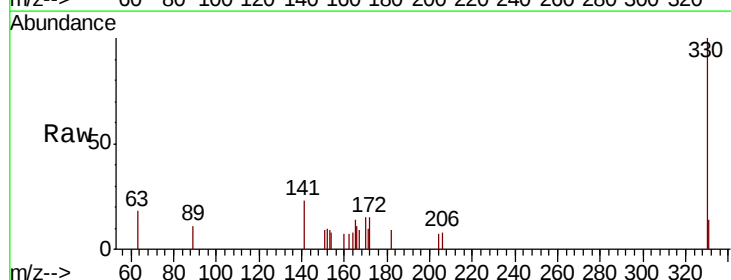
Tgt Ion:330 Resp: 1202

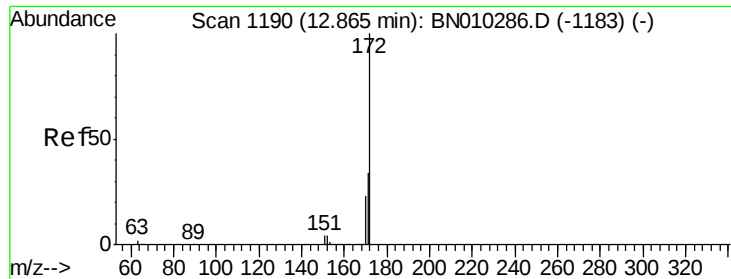
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 38.4 29.3 43.9

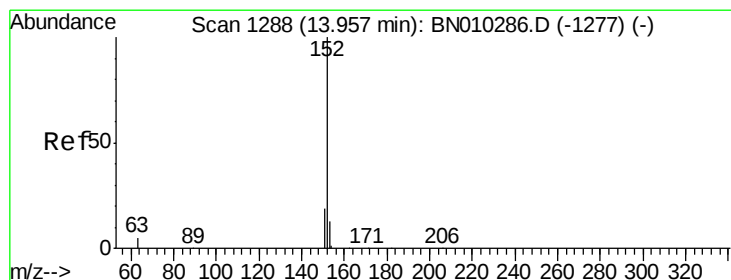
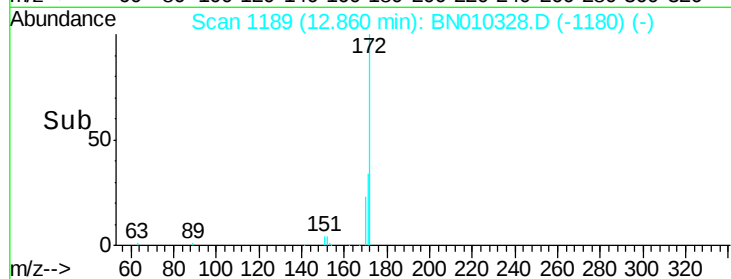
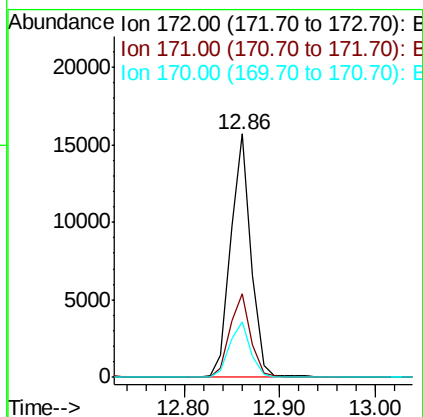
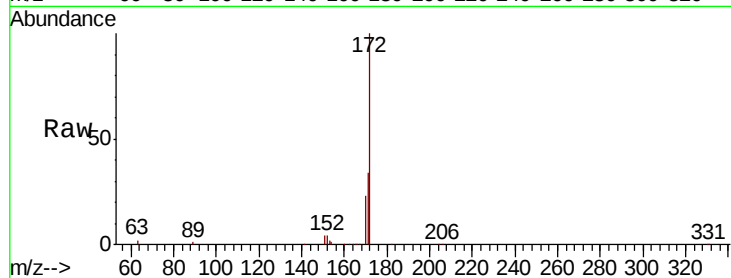




#15
2-Fluorobiphenyl
Concen: 0.640 ng
RT: 12.86 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BN010328.D
Acq: 24 Mar 2020 16:16

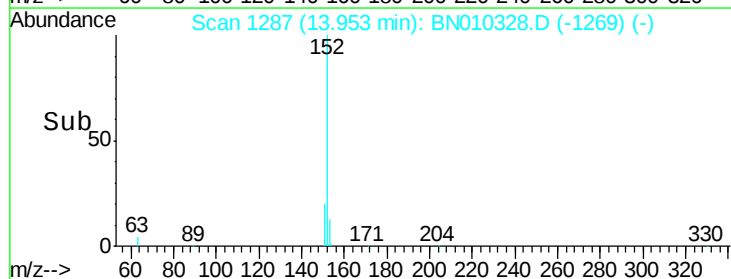
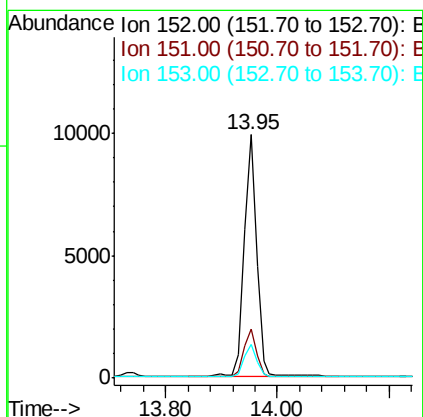
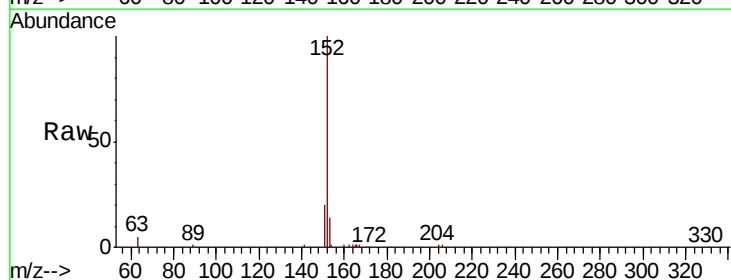
Instrument :
BNA_N
ClientSampleId :
MW203D-20200315MSD

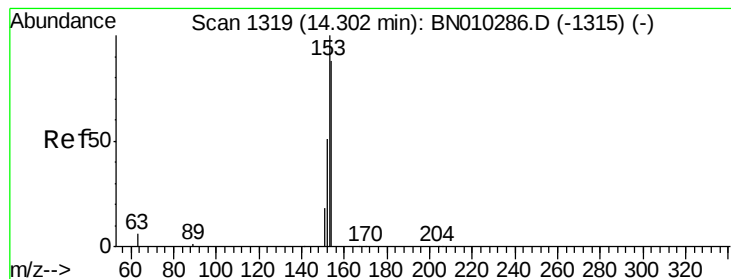
Tot Ion:172 Resp: 22953
Ion Ratio Lower Upper
172 100
171 34.4 27.6 41.4
170 23.0 18.5 27.7



#16
Acenaphthylene
Concen: 0.414 ng
RT: 13.95 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BN010328.D
Acq: 24 Mar 2020 16:16

Tgt Ion:152 Resp: 15243
Ion Ratio Lower Upper
152 100
151 19.5 15.6 23.4
153 13.3 10.6 15.8





#17

Acenaphthene

Concen: 0.422 ng

RT: 14.30 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

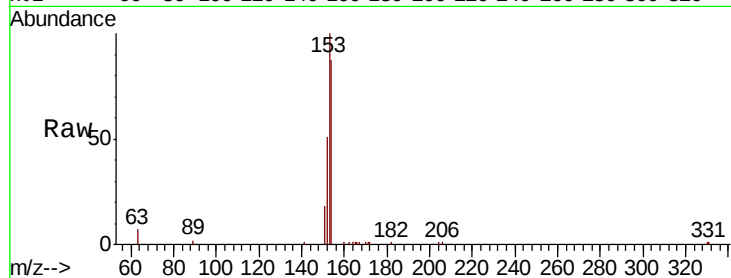
Tot Ion:154 Resp: 11071

Ion Ratio Lower Upper

154 100

153 111.5 88.1 132.1

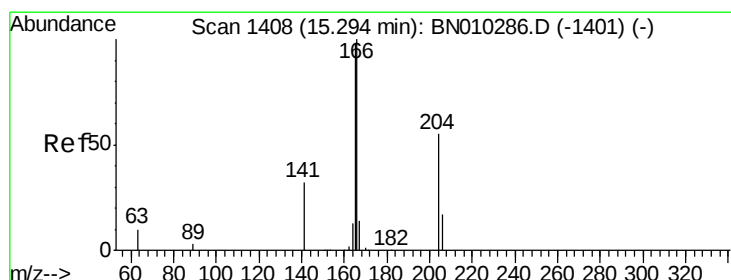
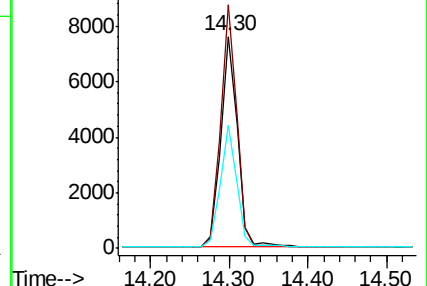
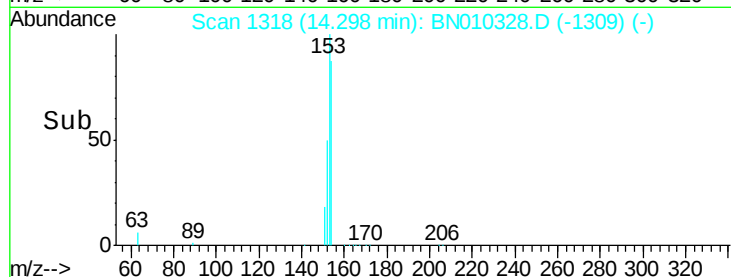
152 57.0 45.5 68.3



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: 0.418 ng

RT: 15.29 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

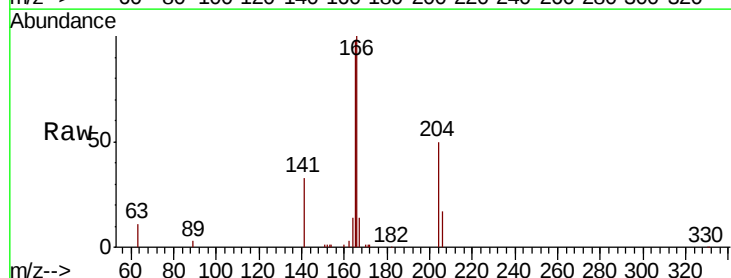
Tgt Ion:166 Resp: 14545

Ion Ratio Lower Upper

166 100

165 97.5 78.7 118.1

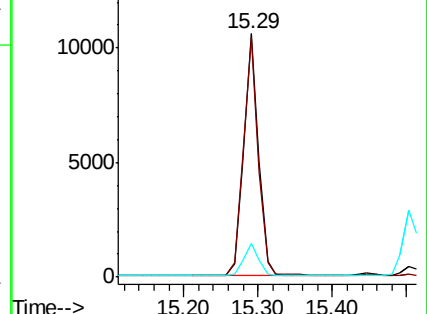
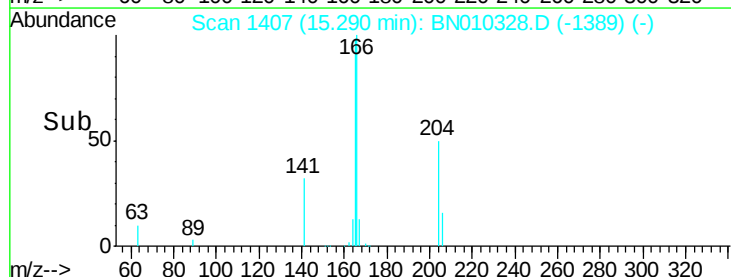
167 13.7 11.0 16.4

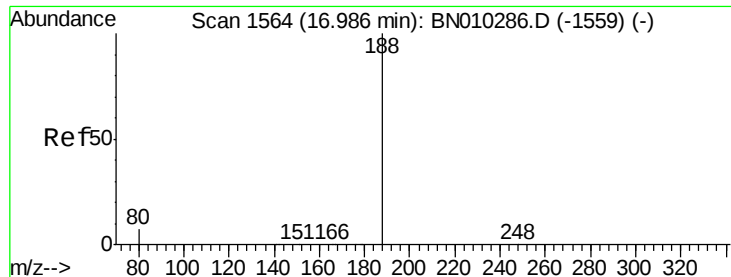


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.98 min Scan# 1563

Delta R.T. -0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

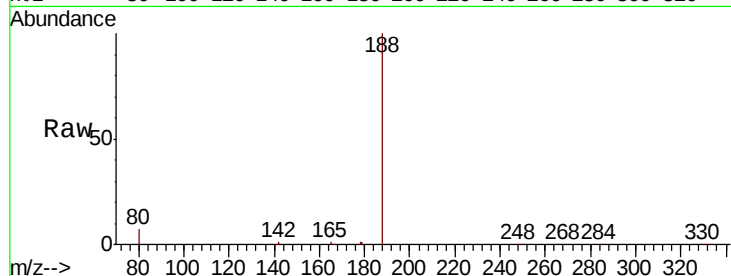
Tot Ion:188 Resp: 22780

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

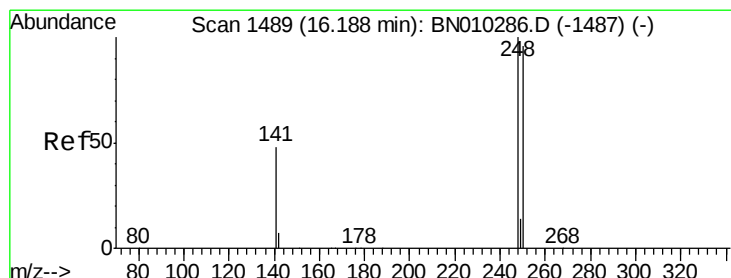
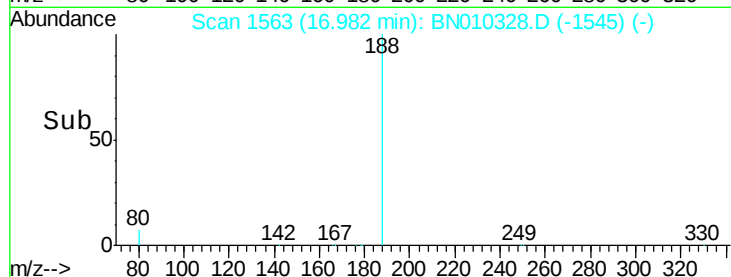
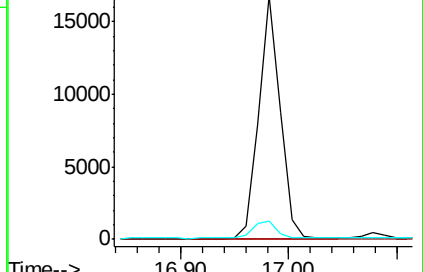
80 7.4 6.0 9.0



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



#20

4-Bromophenyl-phenylether

Concen: 0.386 ng

RT: 16.18 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

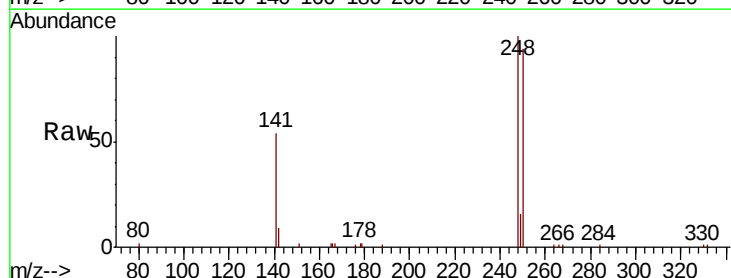
Tgt Ion:248 Resp: 5340

Ion Ratio Lower Upper

248 100

250 94.4 76.8 115.2

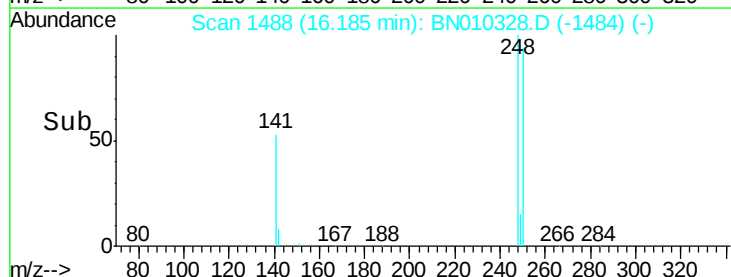
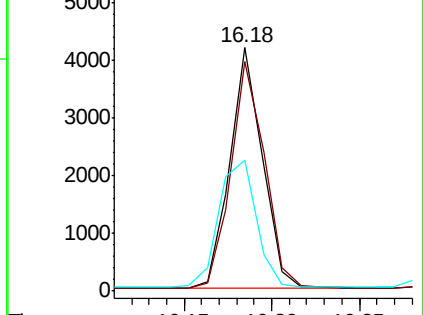
141 53.8 44.4 66.6

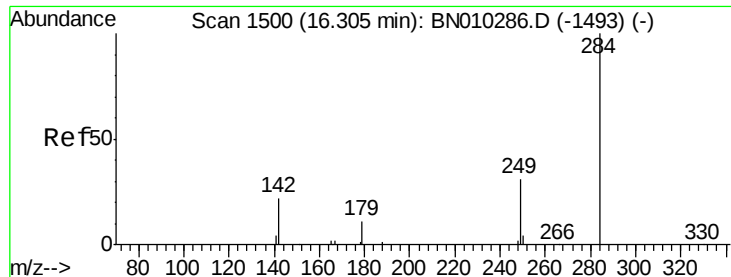


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.402 ng

RT: 16.30 min Scan# 1499

Delta R.T. -0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

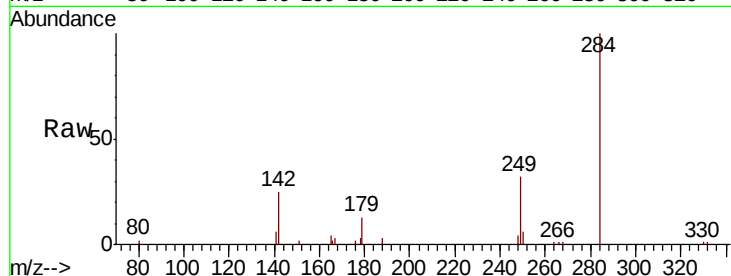
Tot Ion:284 Resp: 5713

Ion Ratio Lower Upper

284 100

142 34.4 27.4 41.2

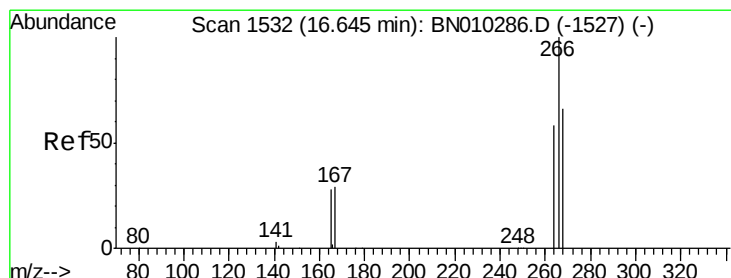
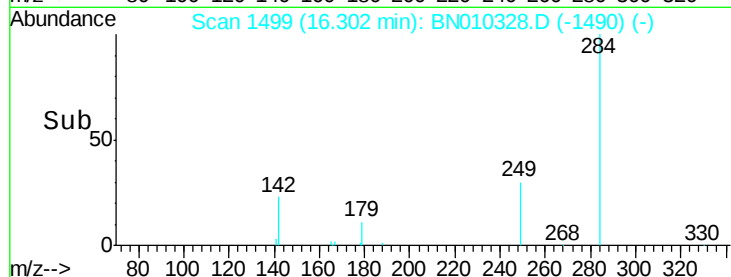
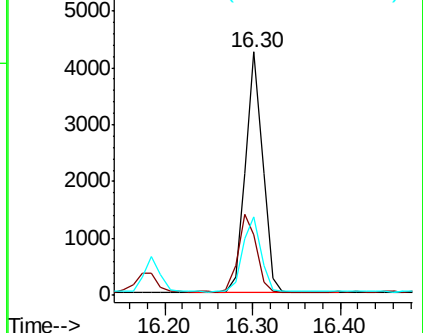
249 32.9 26.5 39.7



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.849 ng

RT: 16.64 min Scan# 1531

Delta R.T. -0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

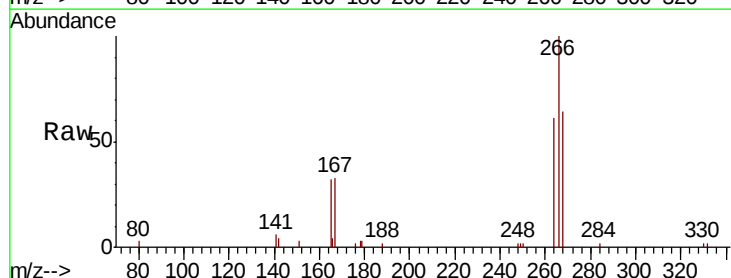
Tgt Ion:266 Resp: 4125

Ion Ratio Lower Upper

266 100

264 61.0 47.7 71.5

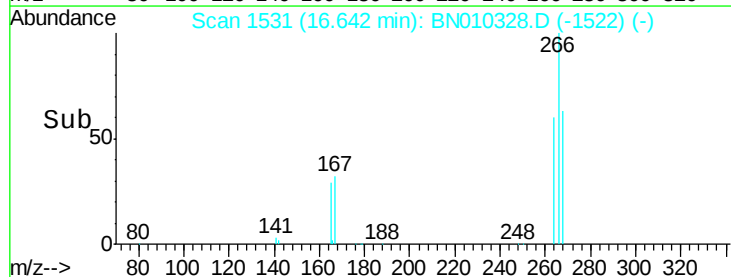
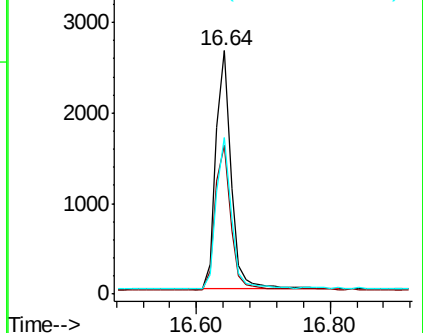
268 64.2 54.9 82.3

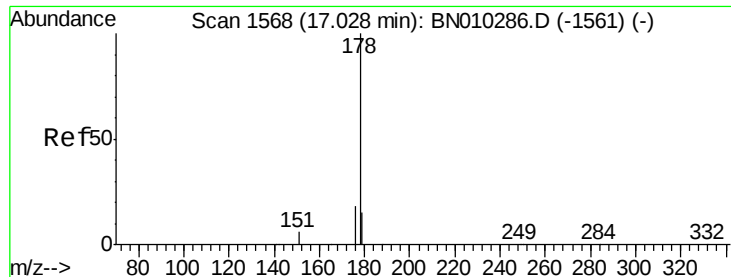


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.417 ng

RT: 17.02 min Scan# 1567

Delta R.T. -0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

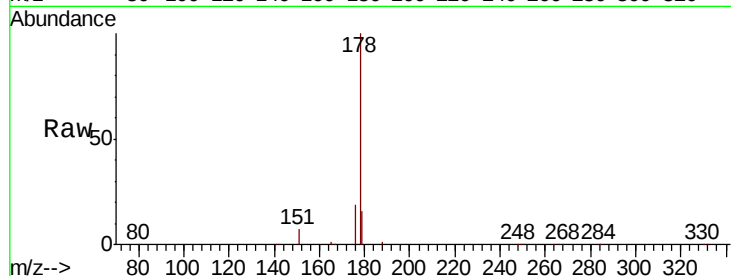
Tot Ion:178 Resp: 26105

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.4

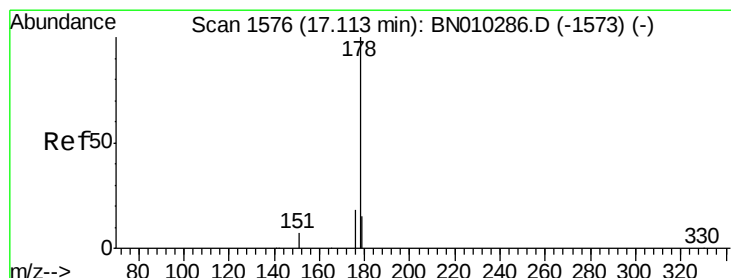
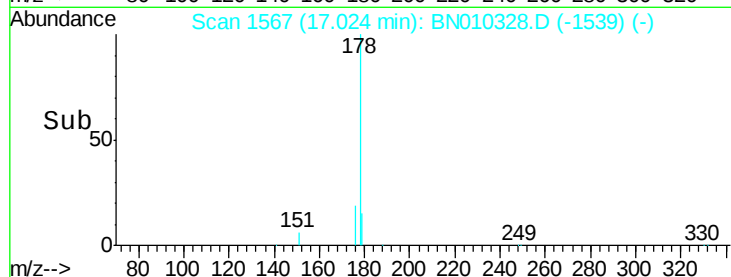
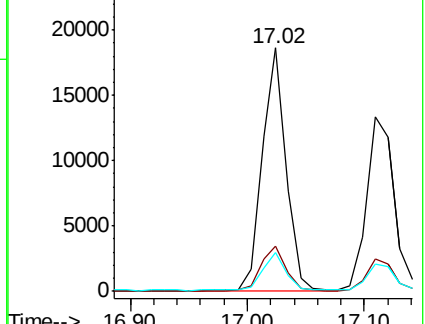
179 15.4 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.409 ng

RT: 17.11 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

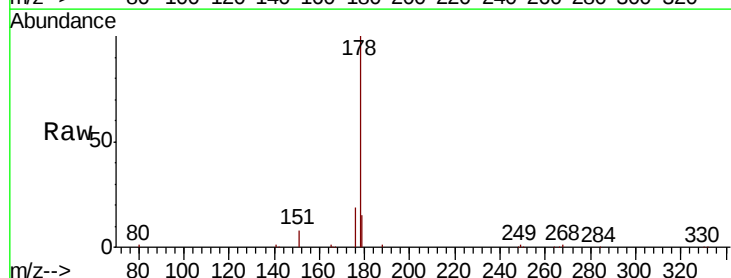
Tgt Ion:178 Resp: 21915

Ion Ratio Lower Upper

178 100

176 17.9 14.5 21.7

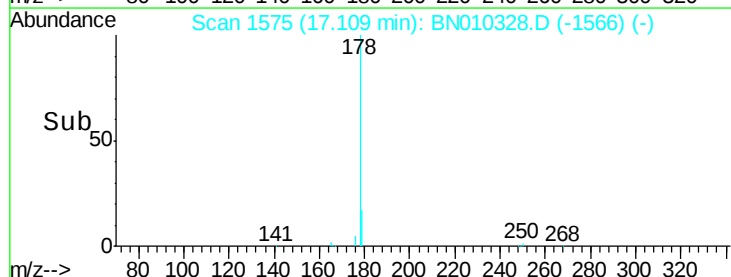
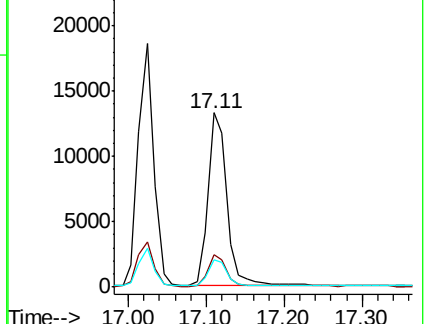
179 15.6 12.3 18.5

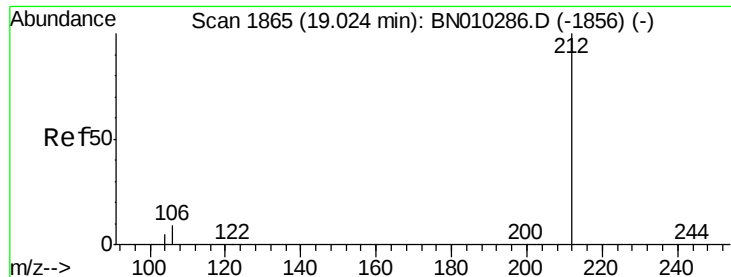


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.320 ng

RT: 19.02 min Scan# 1863

Delta R.T. -0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

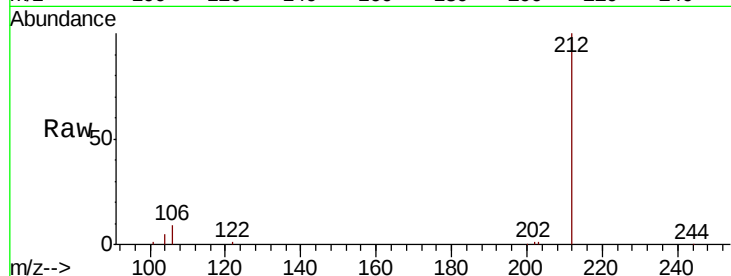
Tot Ion:212 Resp: 21970

Ion Ratio Lower Upper

212 100

106 9.6 7.4 11.2

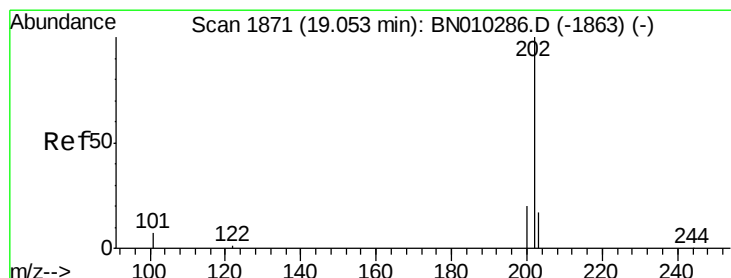
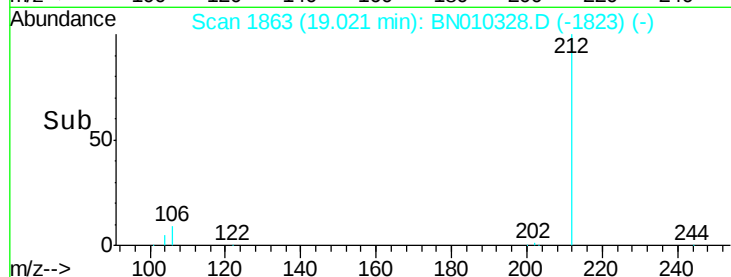
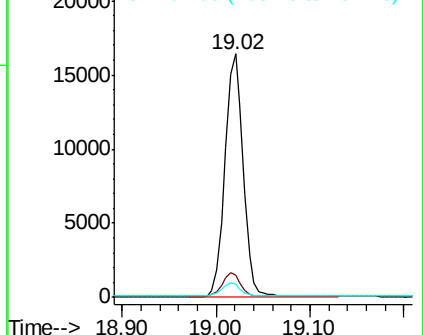
104 5.4 4.2 6.4



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: 0.425 ng

RT: 19.05 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

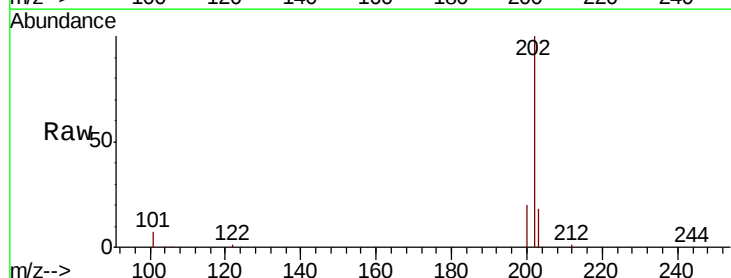
Tgt Ion:202 Resp: 32597

Ion Ratio Lower Upper

202 100

101 8.2 6.6 9.8

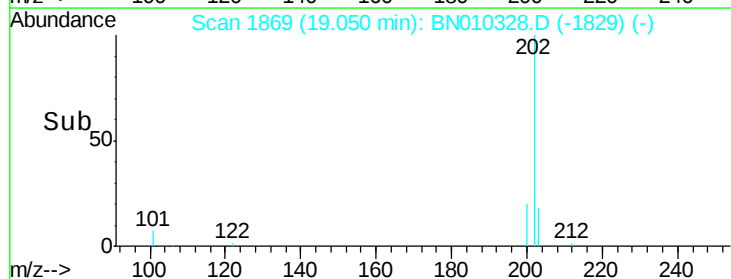
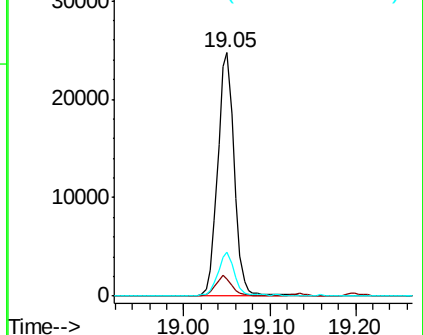
203 17.3 13.8 20.8

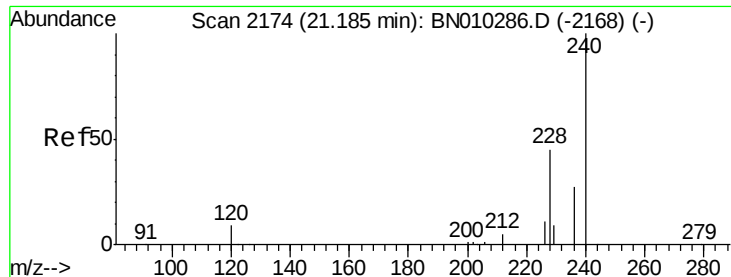


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2173

Delta R.T. 0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

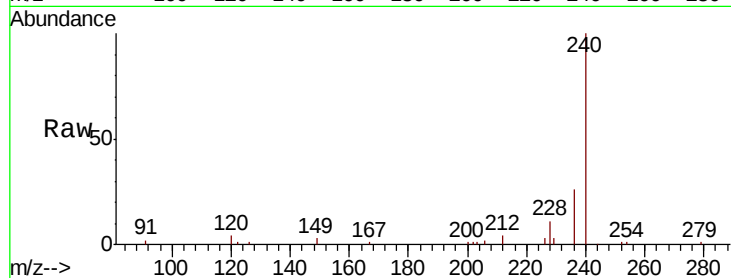
Tot Ion:240 Resp: 24388

Ion Ratio Lower Upper

240 100

120 4.4 7.9 11.9#

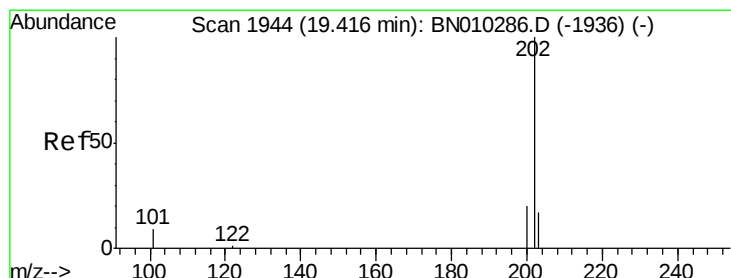
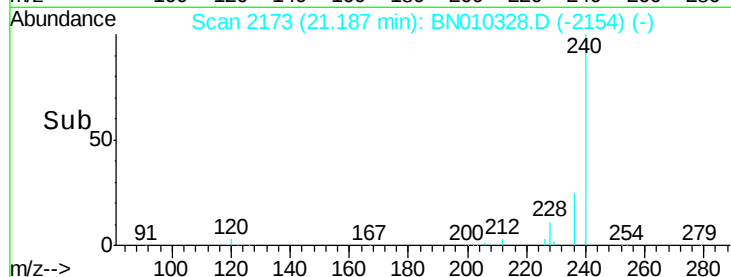
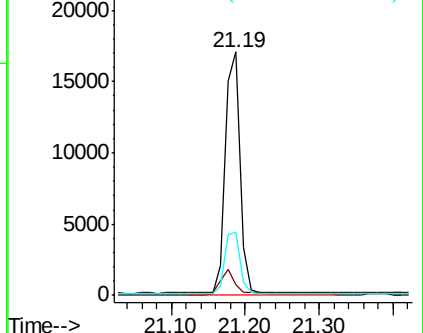
236 25.9 22.2 33.4



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: 0.437 ng

RT: 19.41 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

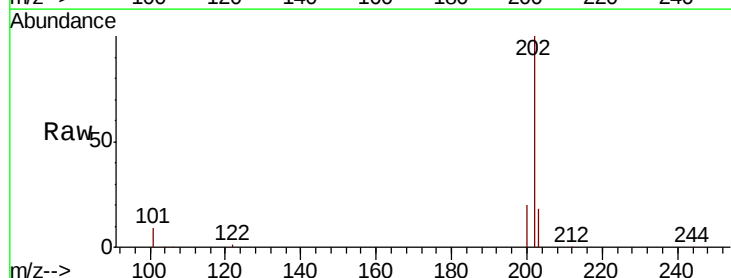
Tgt Ion:202 Resp: 33155

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.4

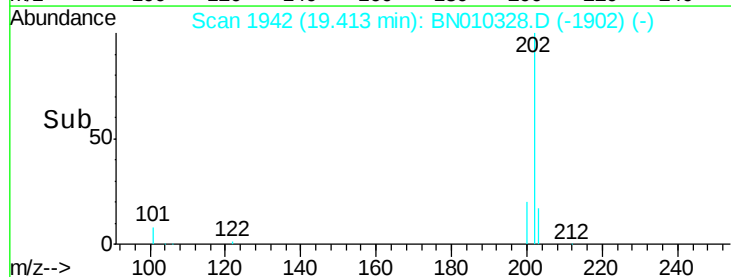
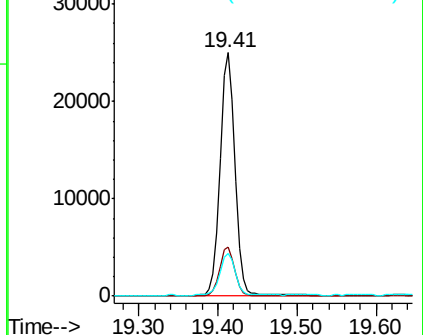
203 17.9 14.2 21.2

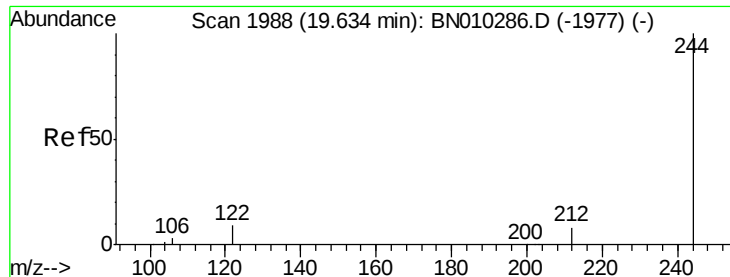


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.545 ng

RT: 19.63 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

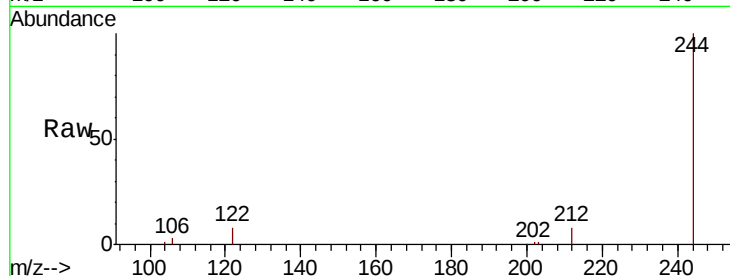
Tot Ion:244 Resp: 28701

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

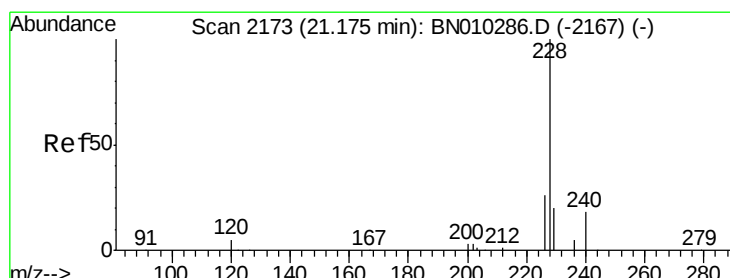
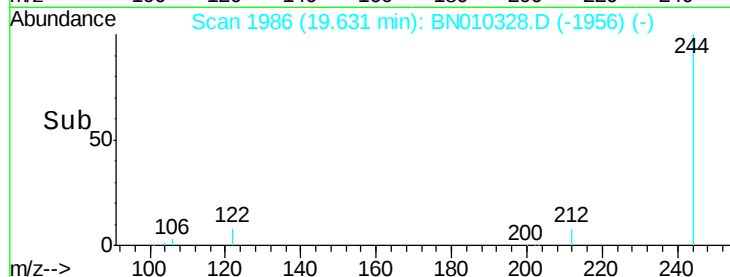
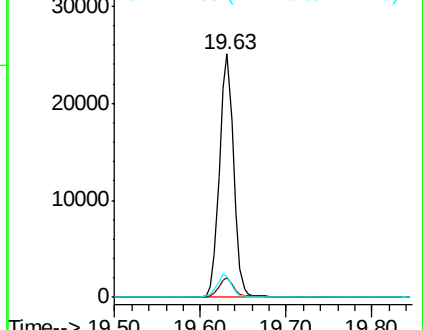
122 8.4 7.6 11.4



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: 0.421 ng

RT: 21.17 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

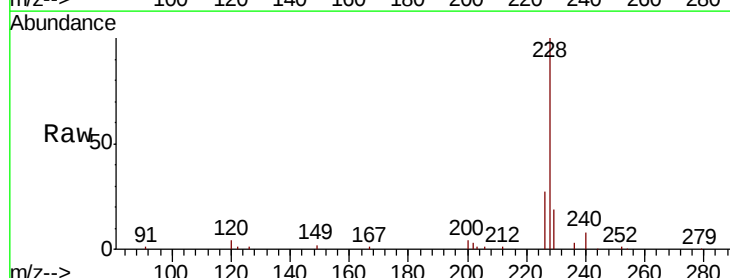
Tgt Ion:228 Resp: 32709

Ion Ratio Lower Upper

228 100

226 27.0 21.0 31.4

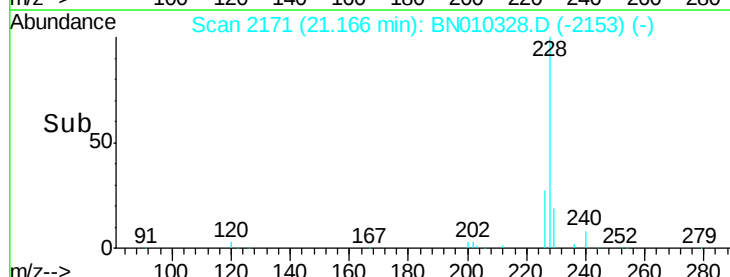
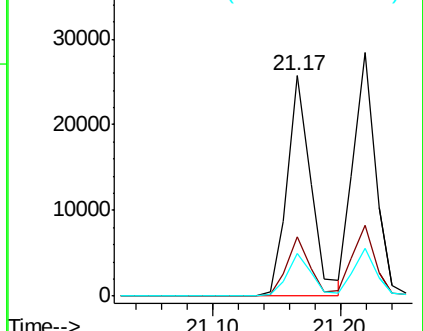
229 19.5 16.0 24.0

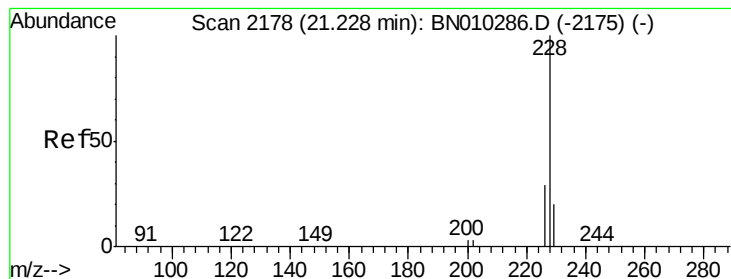


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.414 ng

RT: 21.22 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

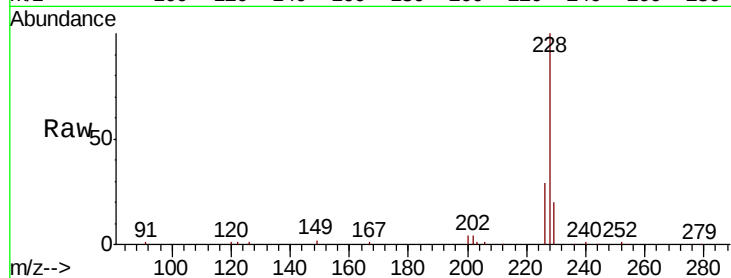
Tot Ion:228 Resp: 34460

Ion Ratio Lower Upper

228 100

226 29.2 23.0 34.6

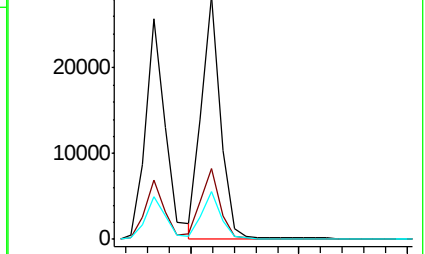
229 19.8 16.0 24.0



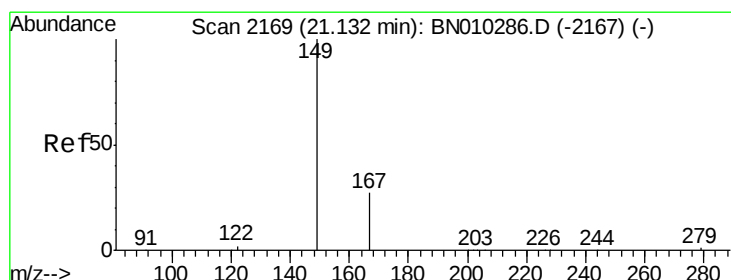
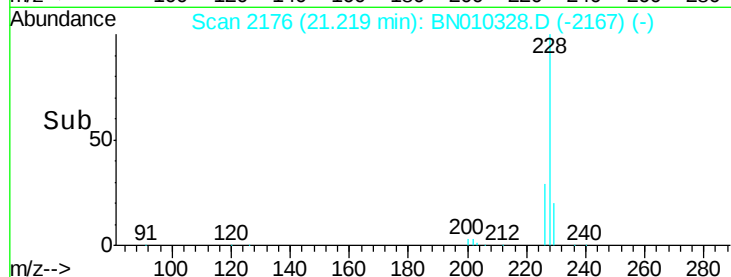
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.401 ng

RT: 21.12 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

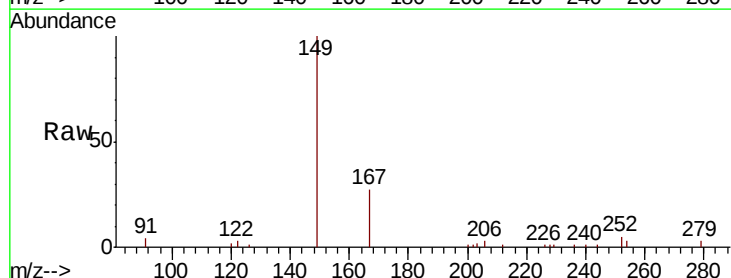
Tgt Ion:149 Resp: 10517

Ion Ratio Lower Upper

149 100

167 28.4 23.0 34.6

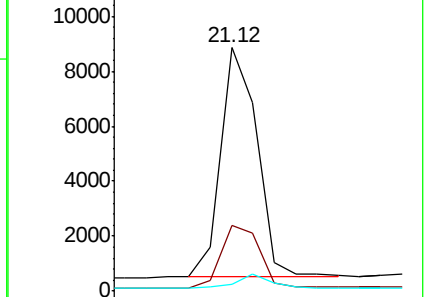
279 5.3 3.8 5.8



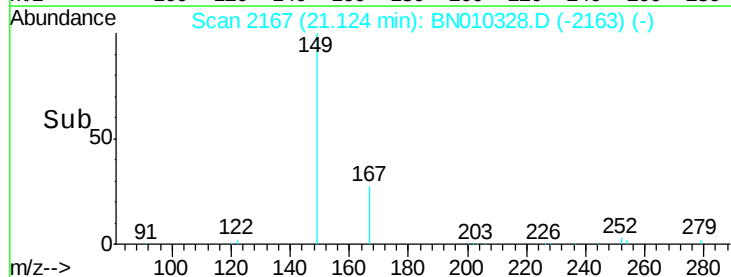
Abundance Ion 149.00 (148.70 to 149.70): E

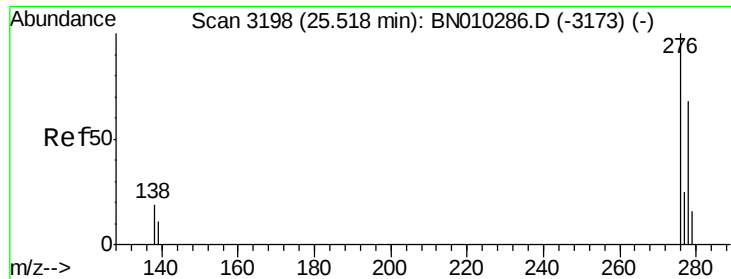
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.402 ng

RT: 25.51 min Scan# 3193

Delta R.T. -0.01 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

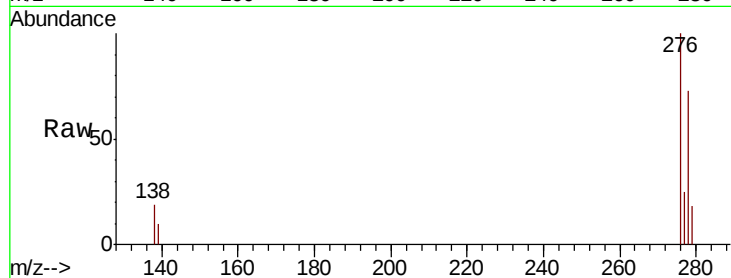
Tot Ion:276 Resp: 35877

Ion Ratio Lower Upper

276 100

138 18.4 15.6 23.4

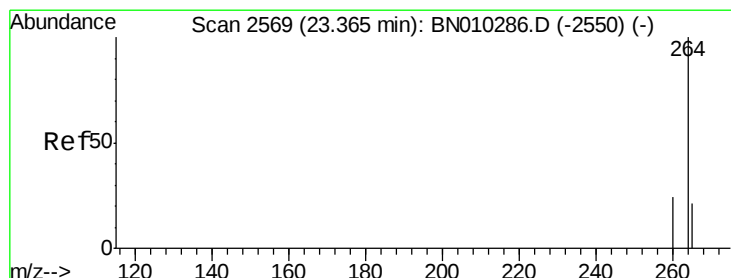
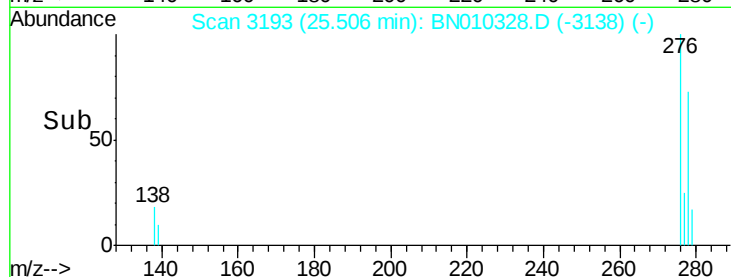
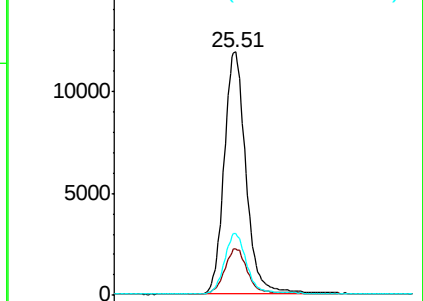
277 24.8 20.1 30.1



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: 23.36 min Scan# 2565

Delta R.T. -0.01 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

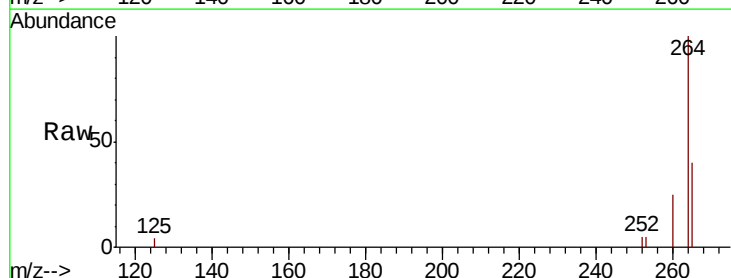
Tgt Ion:264 Resp: 24518

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

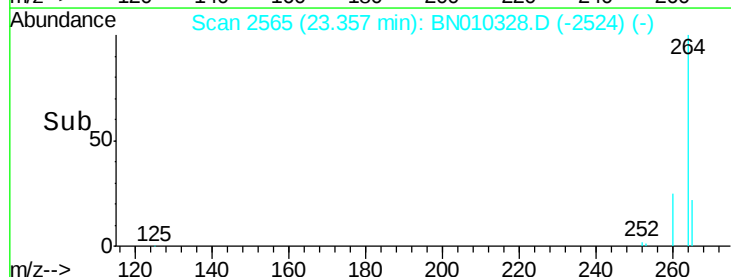
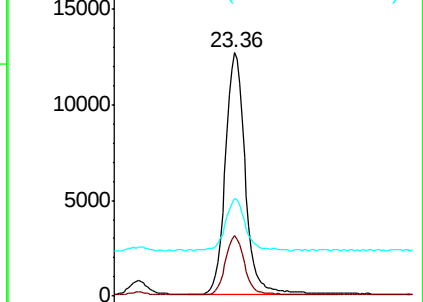
265 40.1 32.4 48.6

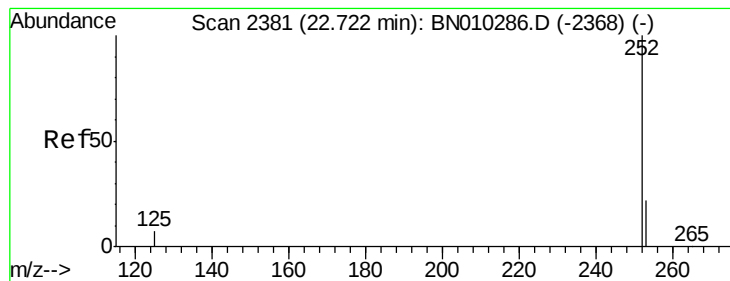


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.416 ng

RT: 22.71 min Scan# 2377

Delta R.T. -0.01 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

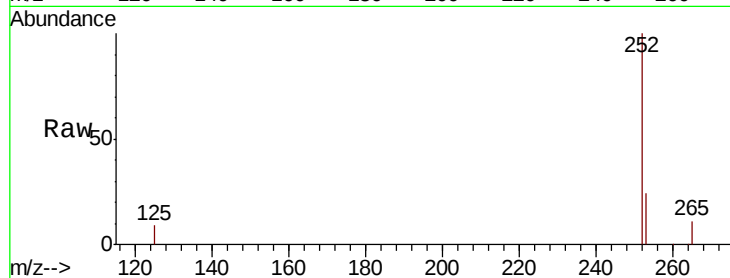
Tot Ion:252 Resp: 34633

Ion Ratio Lower Upper

252 100

253 23.8 19.2 28.8

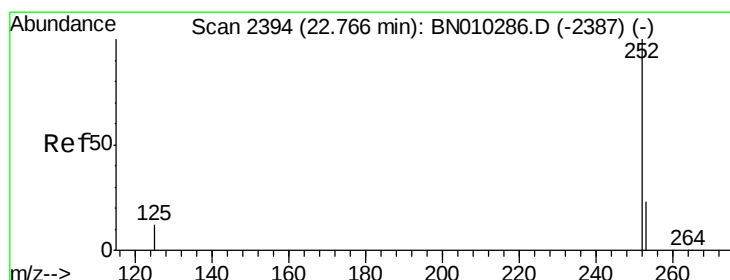
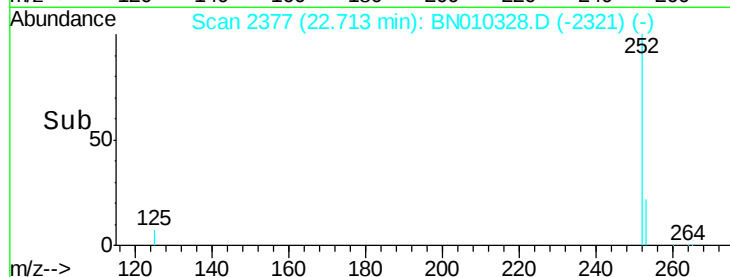
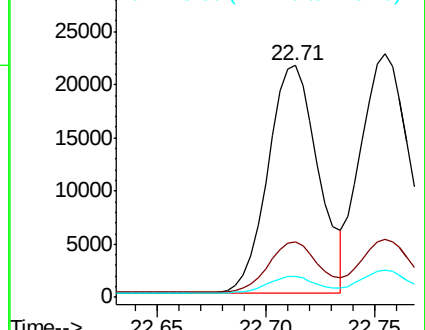
125 8.9 7.4 11.0



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



#36

Benzo(k)fluoranthene

Concen: 0.435 ng

RT: 22.75 min Scan# 2389

Delta R.T. -0.01 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

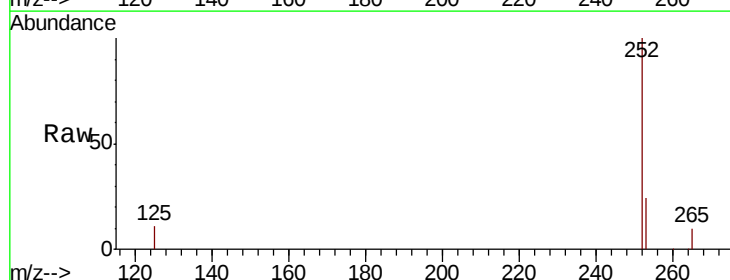
Tgt Ion:252 Resp: 36872

Ion Ratio Lower Upper

252 100

253 23.9 19.4 29.0

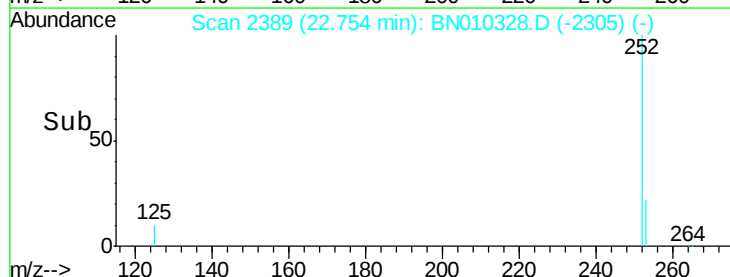
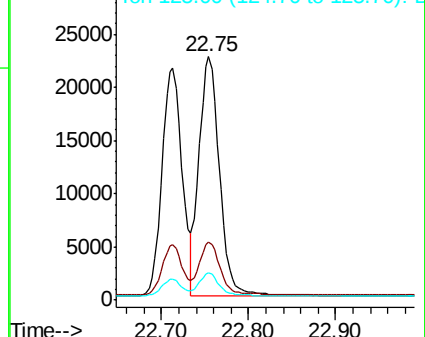
125 11.2 10.2 15.2

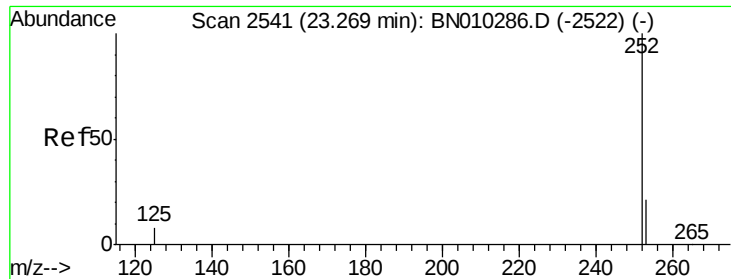


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.432 ng

RT: 23.26 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD

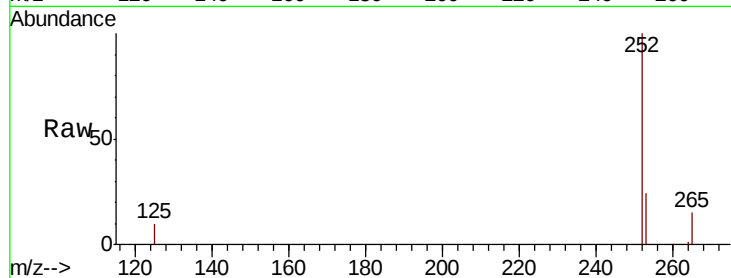
Tot Ion:252 Resp: 30372

Ion Ratio Lower Upper

252 100

253 24.2 19.9 29.9

125 10.1 8.9 13.3

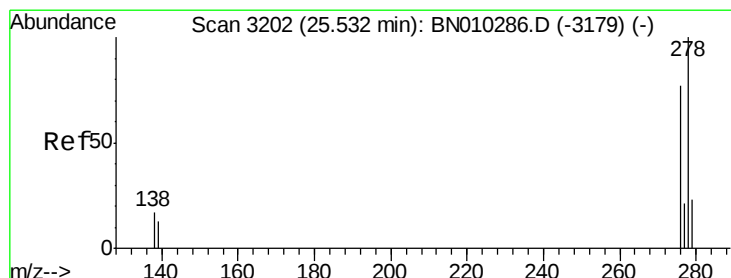
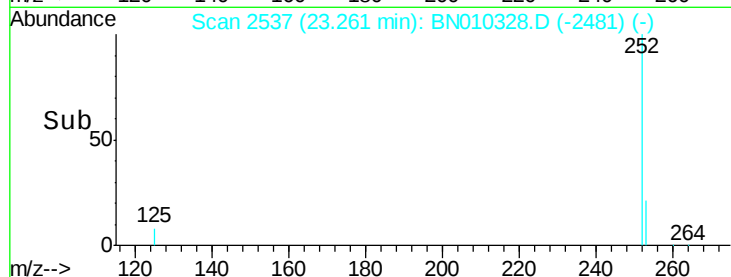
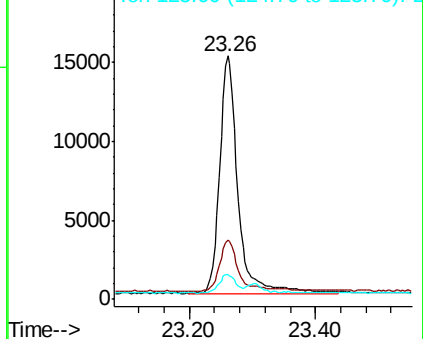


Abundance

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: 0.399 ng

RT: 25.52 min Scan# 3196

Delta R.T. -0.02 min

Lab File: BN010328.D

Acq: 24 Mar 2020 16:16

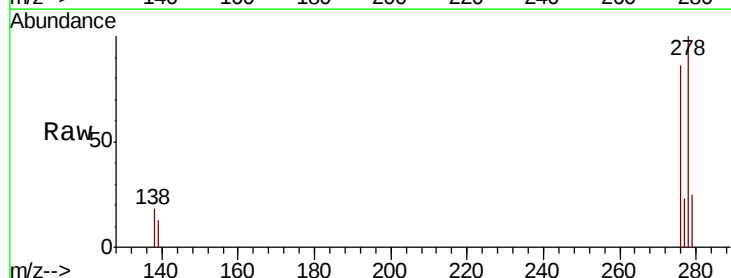
Tgt Ion:278 Resp: 30315

Ion Ratio Lower Upper

278 100

139 12.9 10.6 16.0

279 25.4 19.8 29.6

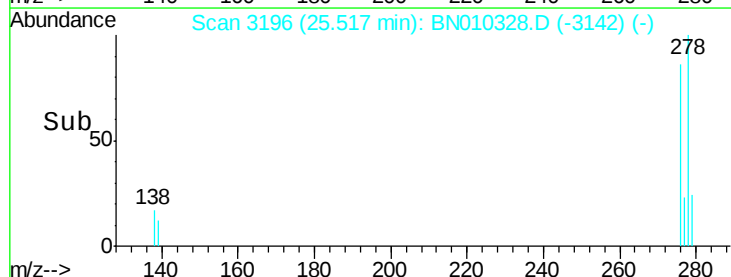
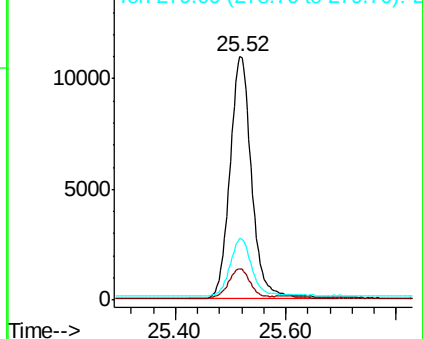


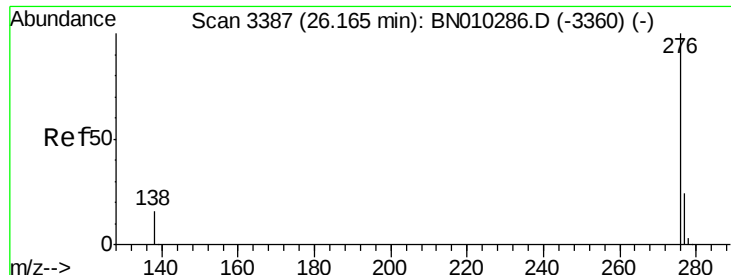
Abundance

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: 0.398 ng

RT: 26.15 min Scan# 3382

Delta R.T. -0.01 min

Lab File: BN010328.D

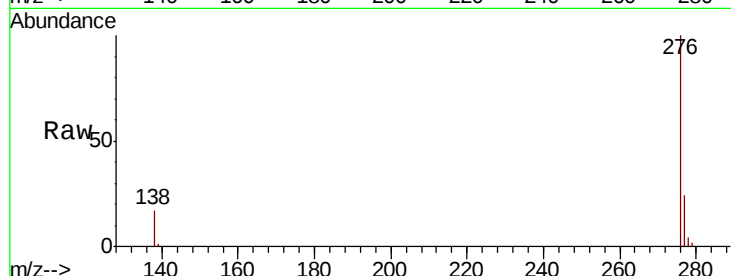
Acq: 24 Mar 2020 16:16

Instrument :

BNA_N

ClientSampleId :

MW203D-20200315MSD



Tot Ion: 276 Resp: 30432

Ion Ratio Lower Upper

276 100

277 23.9 19.6 29.4

138 17.0 13.3 19.9

