

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061520\
 Data File : BN010868.D
 Acq On : 15 Jun 2020 11:03
 Operator : CG/JU
 Sample : L2988-14DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE134D2-20200608DL

Quant Time: Jun 15 11:38:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 11:09:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2918	0.40	ng	0.00
7) Naphthalene-d8	10.30	136	10284	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	5843	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	11737	0.40	ng	0.00
27) Chrysene-d12	21.13	240	10170	0.40	ng	0.00
34) Perylene-d12	23.28	264	10645	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.20	112	126	0.02	ng	0.00
5) Phenol-d6	6.74	99	128	0.02	ng	0.00
8) Nitrobenzene-d5	8.69	82	1237	0.16	ng	0.01
11) 2-Methylnaphthalene-d10	11.90	152	2227	0.14	ng	0.00
14) 2,4,6-Tribromophenol	15.68	330	160	0.08	ng	0.00
15) 2-Fluorobiphenyl	12.79	172	3557	0.15	ng	0.00
25) Fluoranthene-d10	18.96	212	5187	0.16	ng	0.00
29) Terphenyl-d14	19.57	244	6237	0.26	ng	0.00

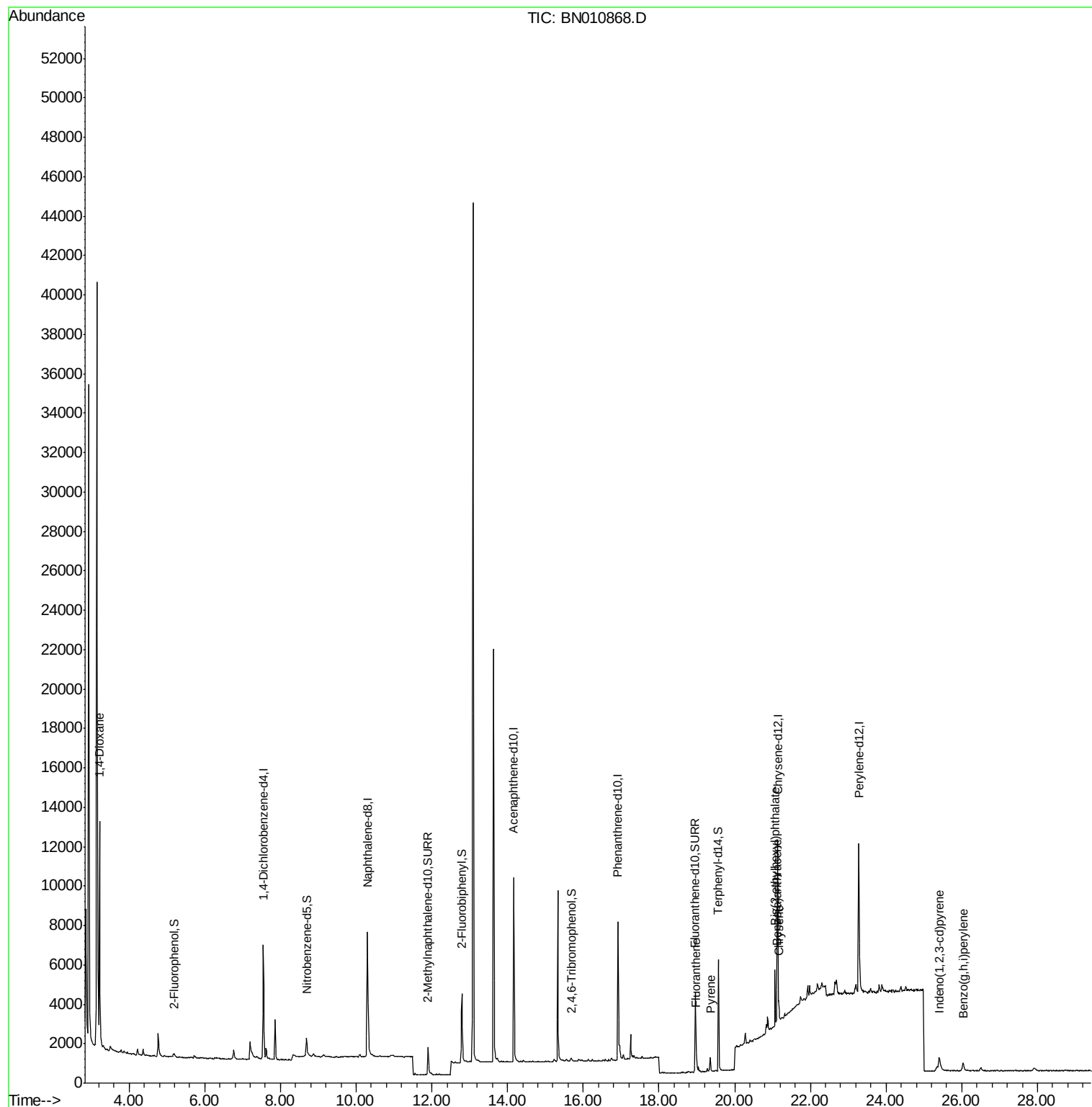
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.22	88	9720	3.401	ng	98
26) Fluoranthene	18.99	202	768	0.021	ng	# 94
28) Pyrene	19.36	202	705	0.021	ng	# 90
30) Benzo(a)anthracene	21.11	228	634	0.021	ng	# 74
31) Chrysene	21.17	228	723	0.021	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.07	149	2376	0.238	ng	94
33) Indeno(1,2,3-cd)pyrene	25.40	276	912	0.023	ng	99
39) Benzo(g,h,i)perylene	26.04	276	839	0.023	ng	# 54

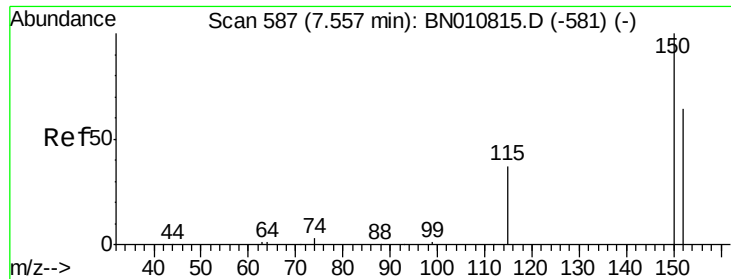
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.55 min Scan# 586

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608DL

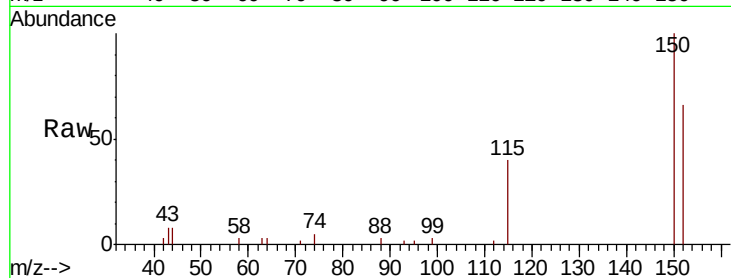
Tot Ion:152 Resp: 2918

Ion Ratio Lower Upper

152 100

150 150.5 123.8 185.6

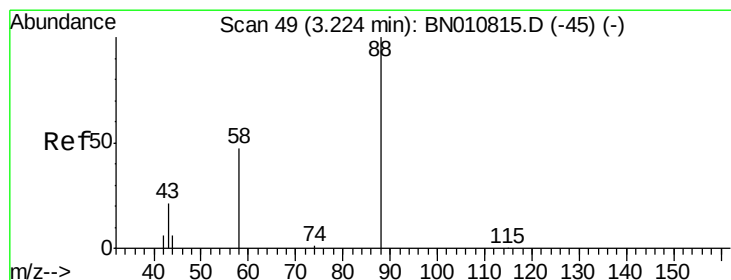
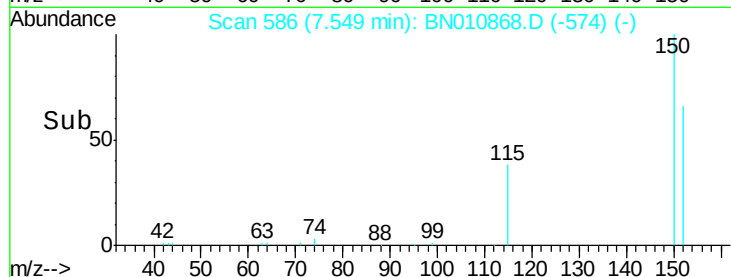
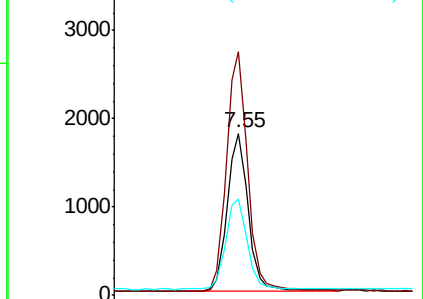
115 59.8 49.2 73.8



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: 3.401 ng

RT: 3.22 min Scan# 48

Delta R.T. -0.01 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

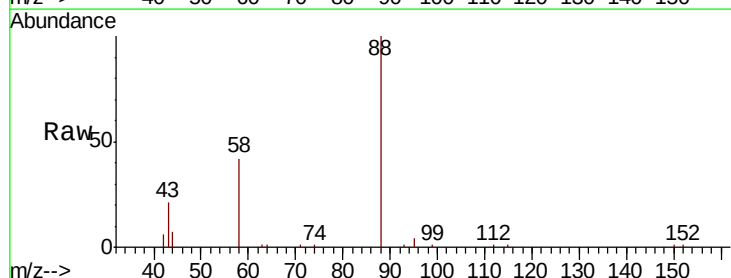
Tgt Ion: 88 Resp: 9720

Ion Ratio Lower Upper

88 100

58 46.2 38.2 57.4

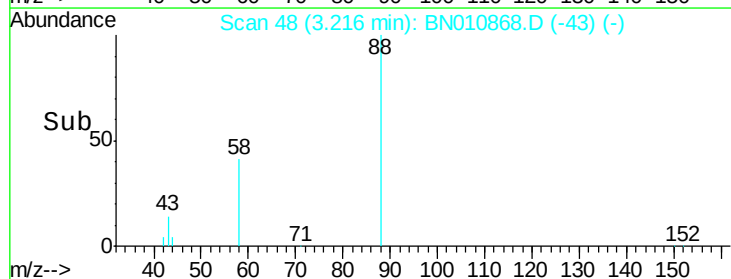
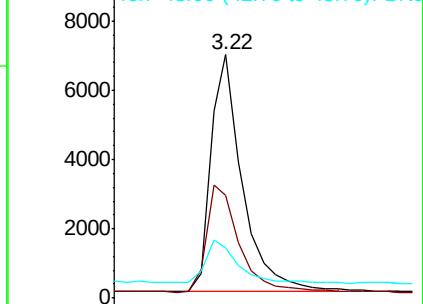
43 17.8 15.1 22.7

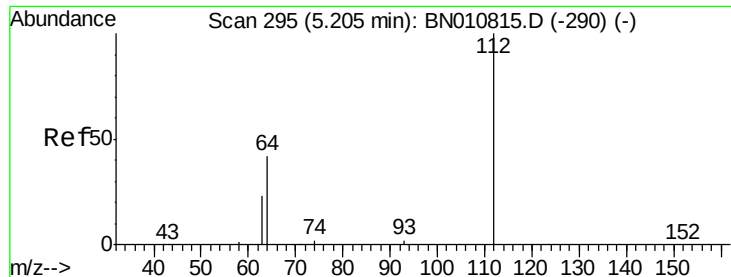


Abundance Ion 88.00 (87.70 to 88.70): BN0

Ion 58.00 (57.70 to 58.70): BN0

Ion 43.00 (42.70 to 43.70): BN0





#4

2-Fluorophenol

Concen: 0.022 ng

RT: 5.20 min Scan# 294

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608DL

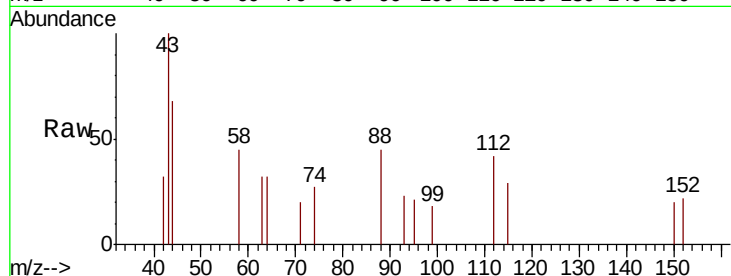
Tot Ion: 112 Resp: 126

Ion Ratio Lower Upper

112 100

64 56.3 37.4 56.0#

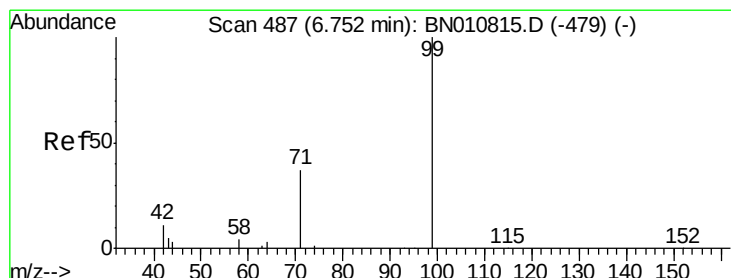
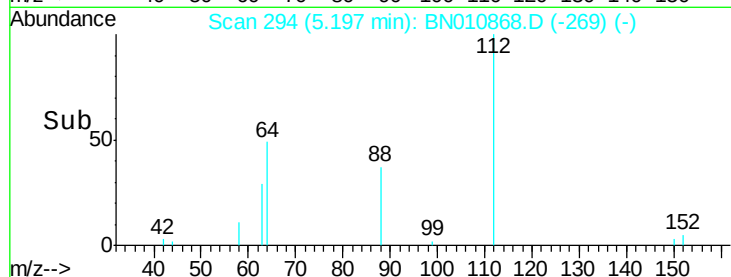
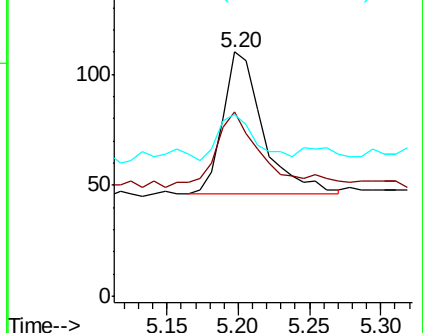
63 29.4 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0



#5

Phenol-d6

Concen: 0.019 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

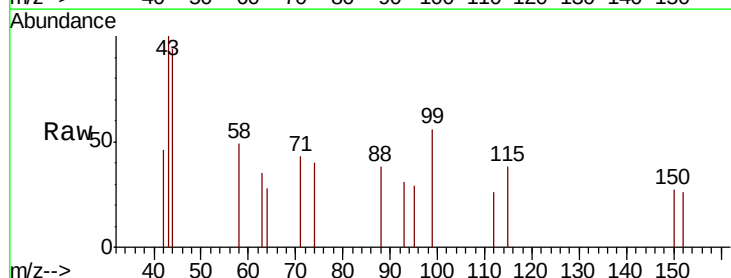
Tgt Ion: 99 Resp: 128

Ion Ratio Lower Upper

99 100

42 22.7 11.1 16.7#

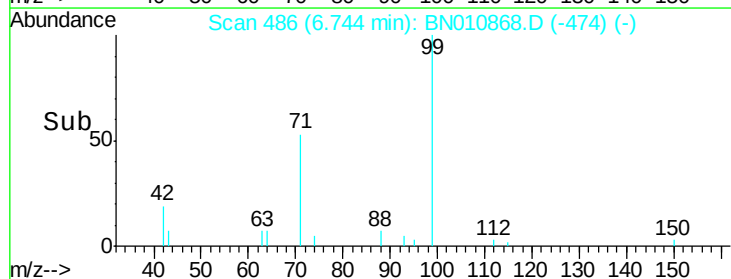
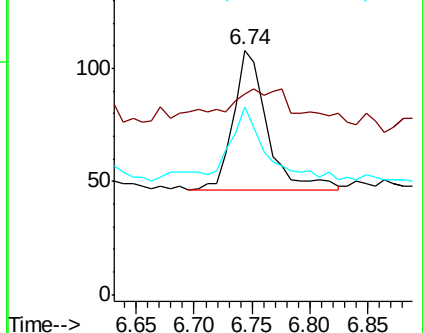
71 53.9 31.4 47.2#

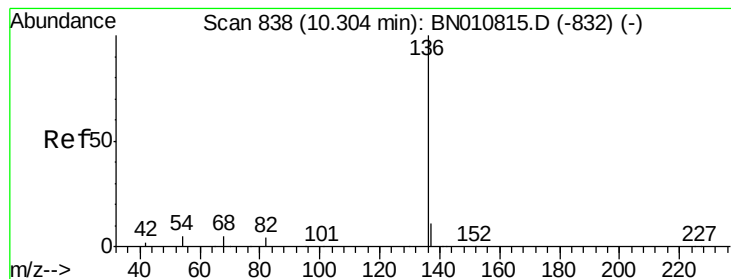


Abundance Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608DL

Tot Ion:136 Resp: 10284

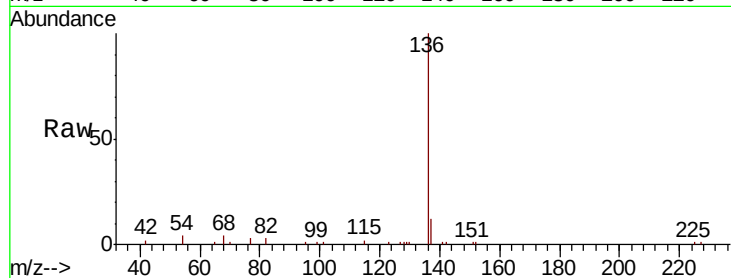
Ion Ratio Lower Upper

136 100

137 11.6 9.7 14.5

54 3.7 4.9 7.3#

68 4.2 4.7 7.1#

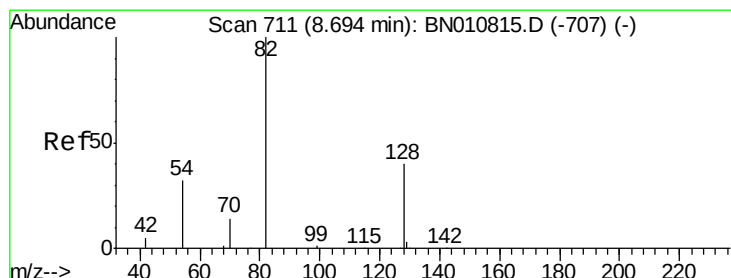
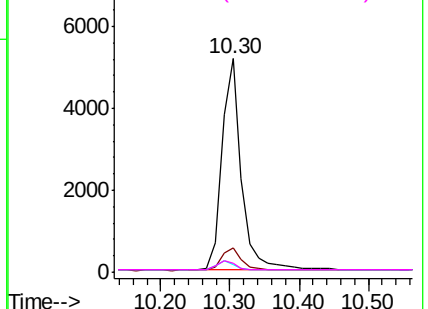
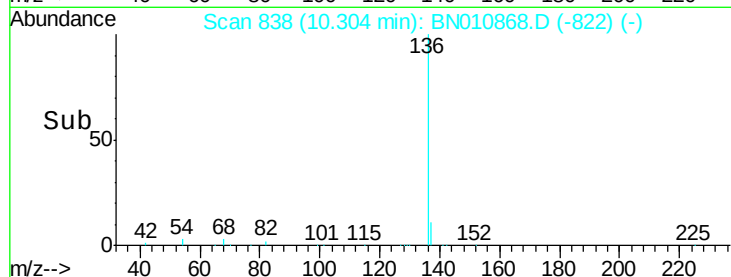


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.163 ng

RT: 8.69 min Scan# 711

Delta R.T. 0.01 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

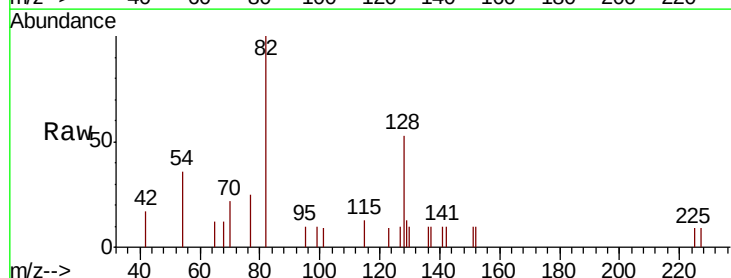
Tgt Ion: 82 Resp: 1237

Ion Ratio Lower Upper

82 100

128 53.3 35.4 53.0#

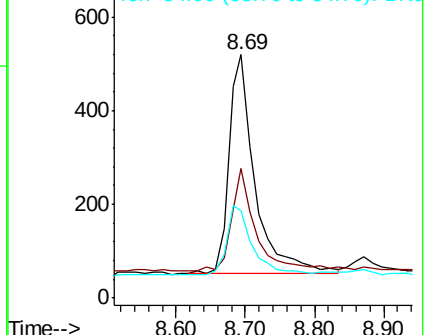
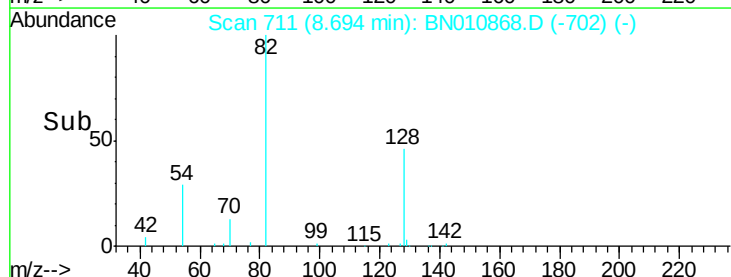
54 36.0 28.2 42.4

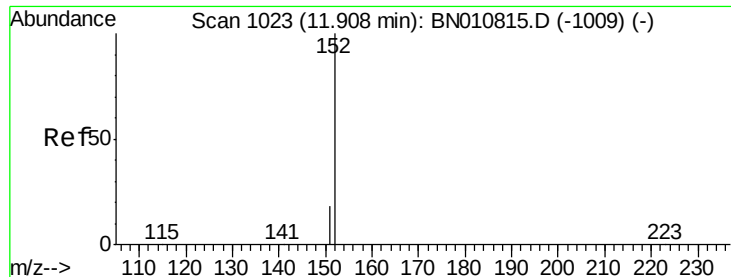


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

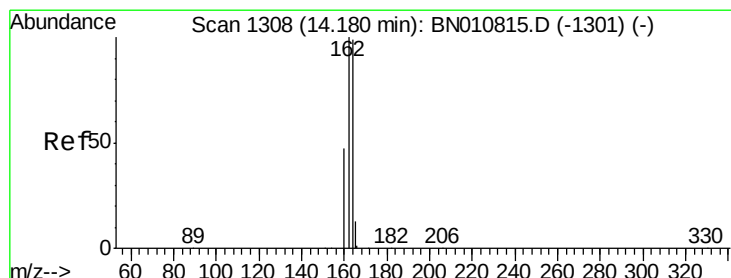
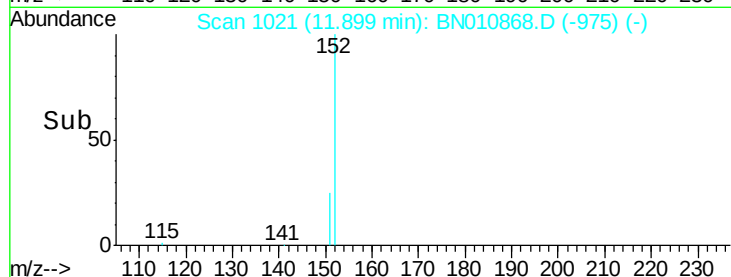
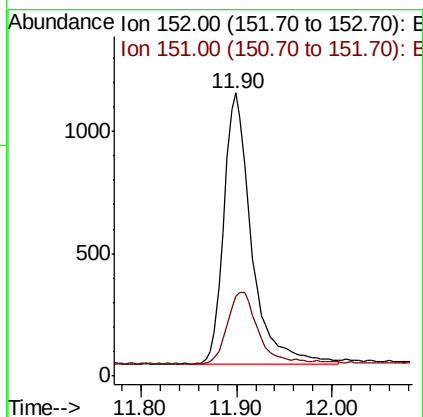
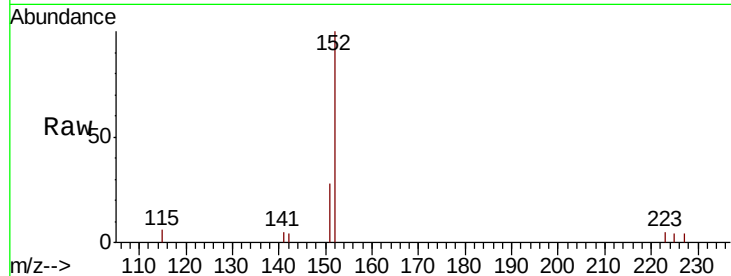




#11
2-Methylnaphthalene-d10
Concen: 0.140 ng
RT: 11.90 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

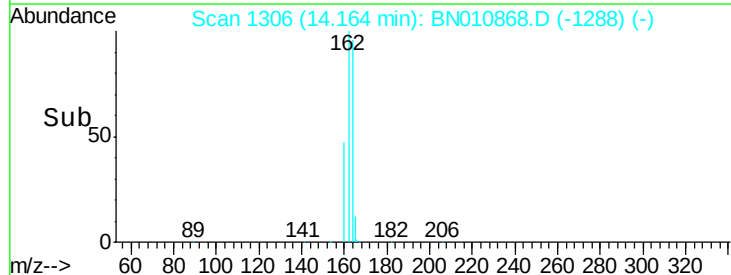
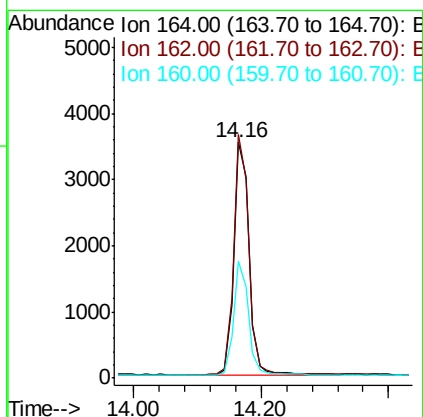
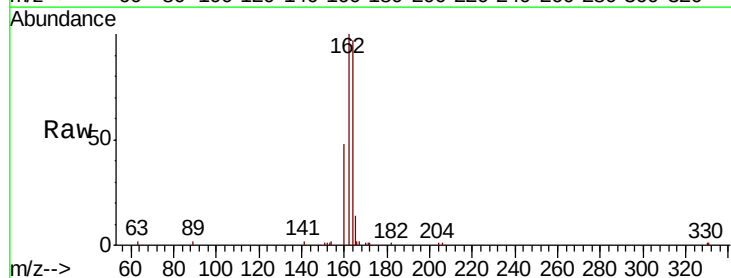
Instrument :
BNA_N
ClientSampleId :
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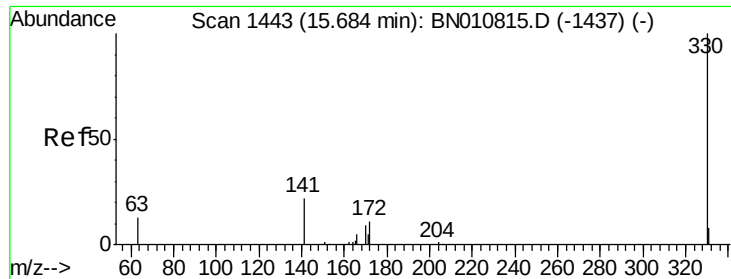
Tot Ion:152 Resp: 2227
Ion Ratio Lower Upper
152 100
151 29.4 15.3 22.9#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.16 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

Tgt Ion:164 Resp: 5843
Ion Ratio Lower Upper
164 100
162 103.4 81.0 121.6
160 49.6 38.9 58.3

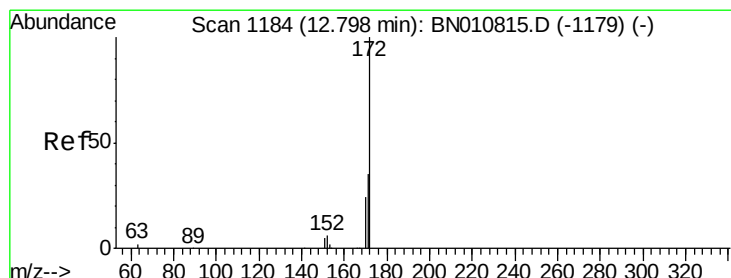
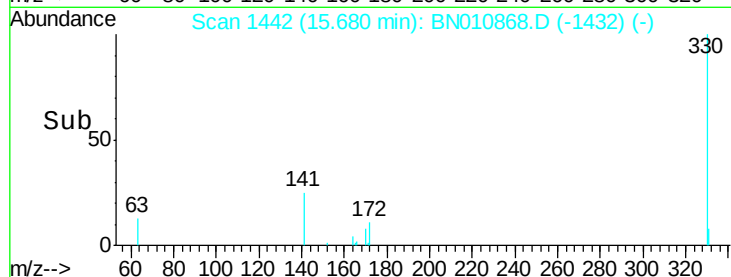
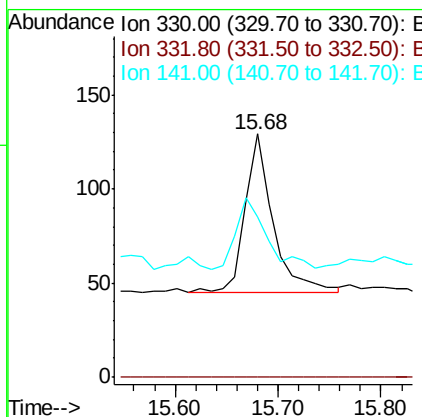
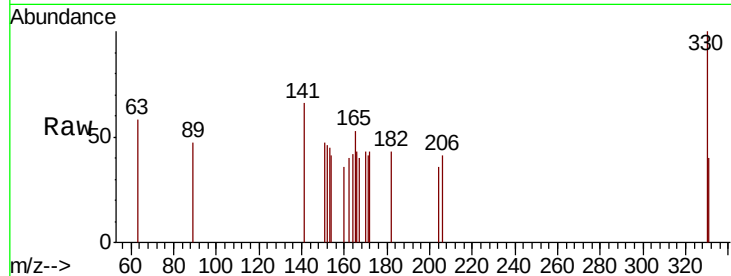




#14
2,4,6-Tribromophenol
Concen: 0.077 ng
RT: 15.68 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

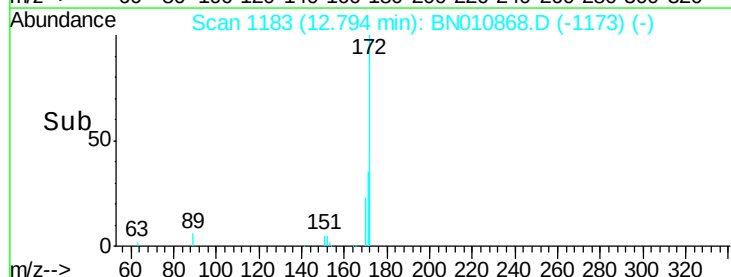
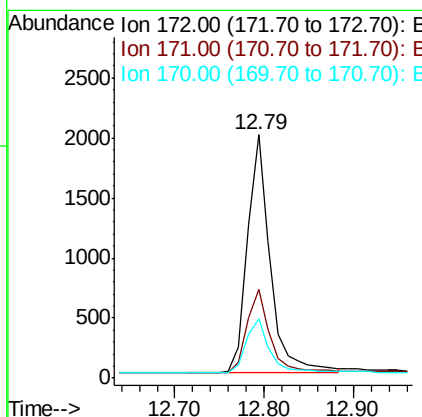
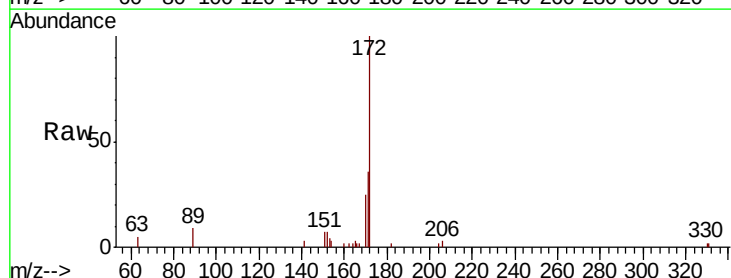
Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608DL

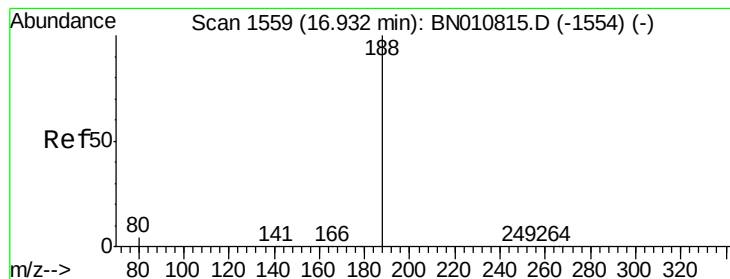
Tot Ion:330 Resp: 160
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 49.4 33.2 49.8



#15
2-Fluorobiphenyl
Concen: 0.154 ng
RT: 12.79 min Scan# 1183
Delta R.T. 0.01 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

Tgt Ion:172 Resp: 3557
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 24.5 19.7 29.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.92 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608DL

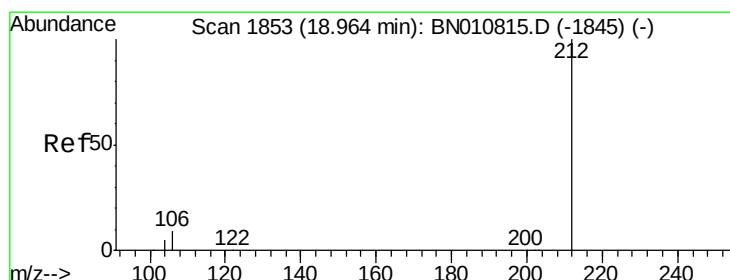
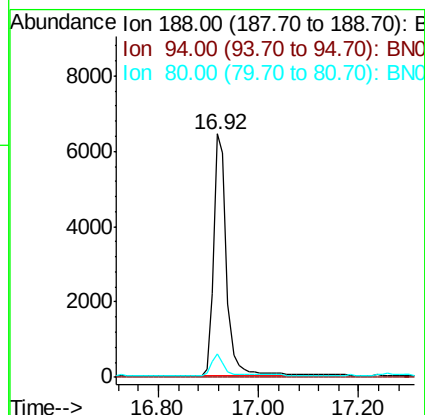
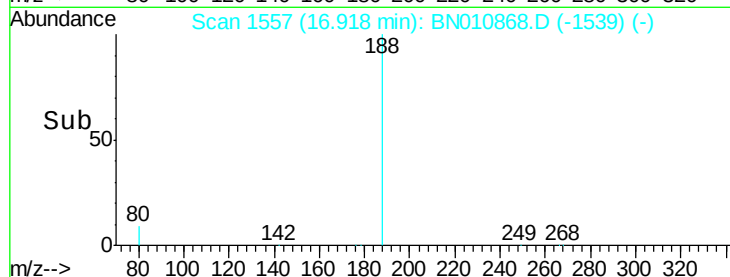
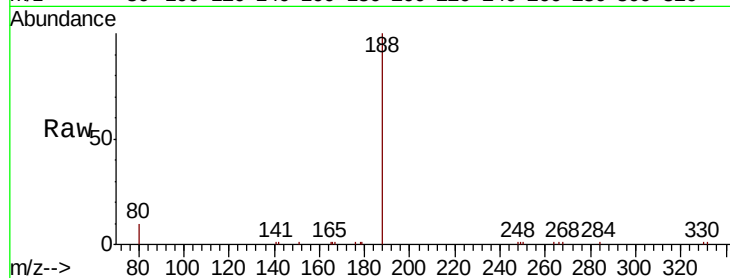
Tot Ion:188 Resp: 11737

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.7 4.5 6.7#



#25

Fluoranthene-d10

Concen: 0.160 ng

RT: 18.96 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

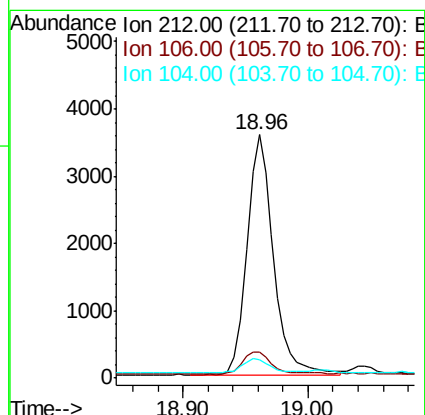
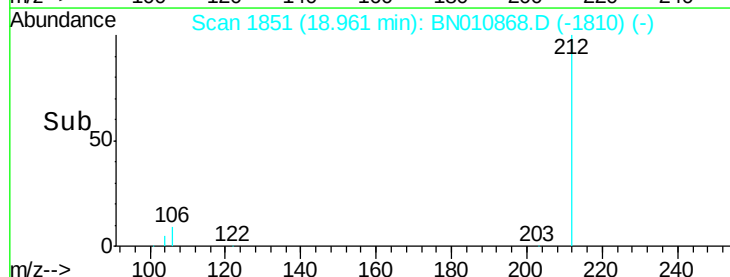
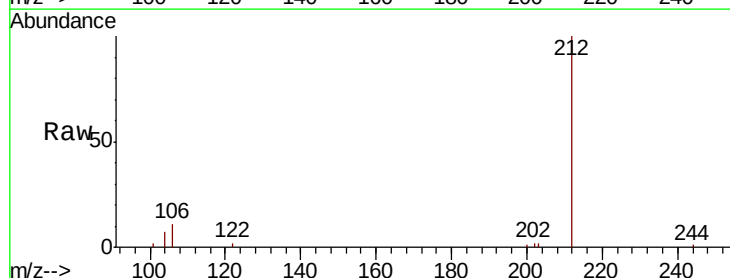
Tgt Ion:212 Resp: 5187

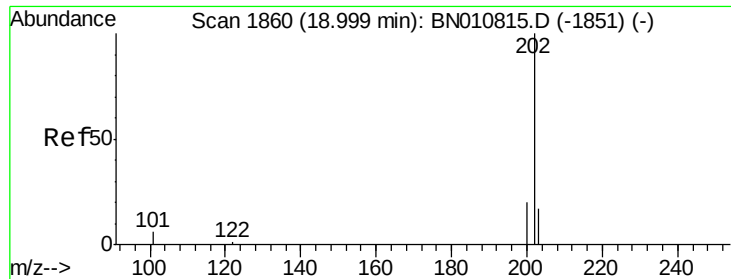
Ion Ratio Lower Upper

212 100

106 9.6 6.6 10.0

104 6.1 4.0 6.0#





#26

Fluoranthene

Concen: 0.021 ng

RT: 18.99 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608DL

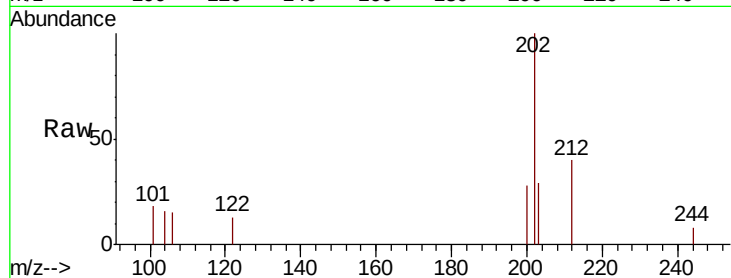
Tot Ion:202 Resp: 768

Ion Ratio Lower Upper

202 100

101 10.4 5.8 8.6#

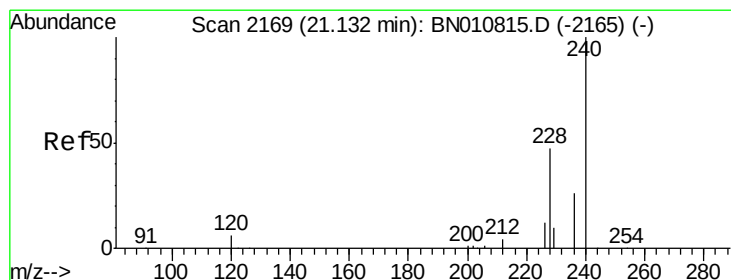
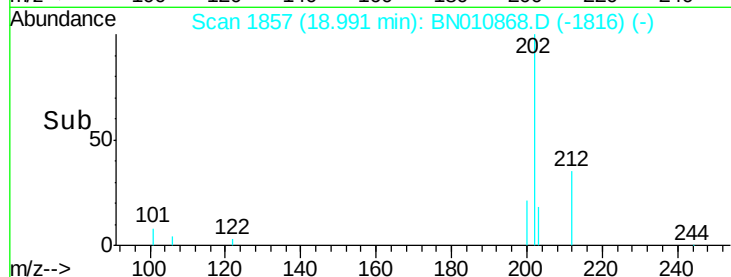
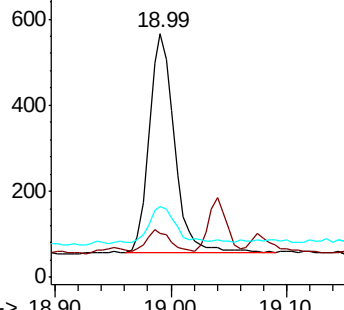
203 18.9 13.7 20.5



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: 21.13 min Scan# 2168

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

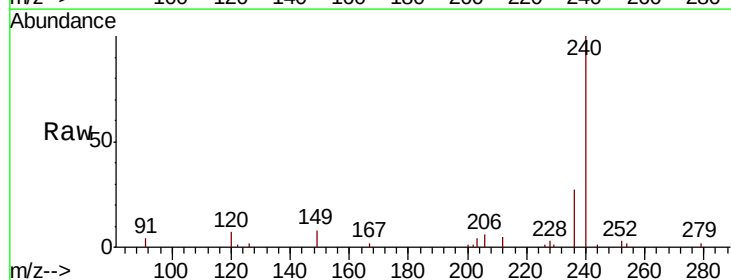
Tgt Ion:240 Resp: 10170

Ion Ratio Lower Upper

240 100

120 7.1 7.5 11.3#

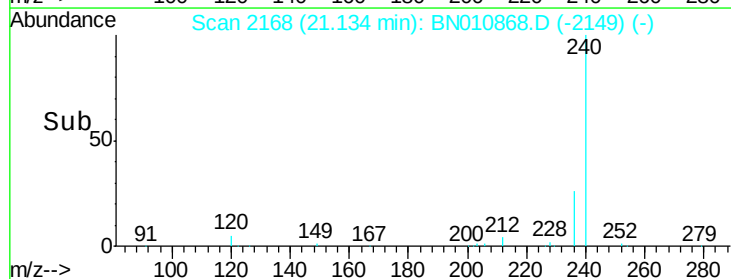
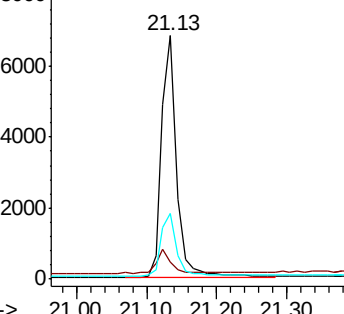
236 26.9 22.3 33.5

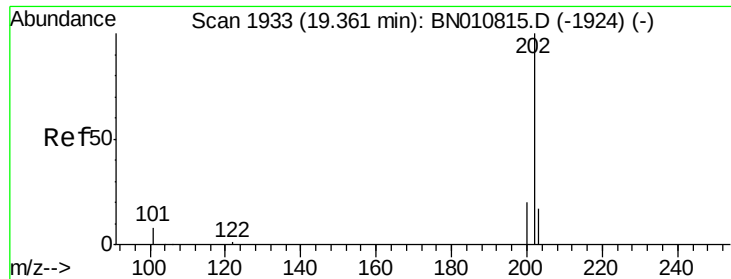


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

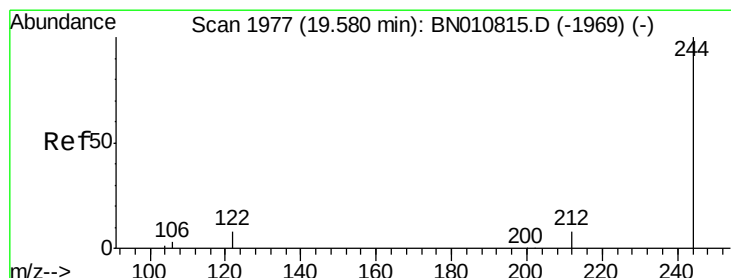
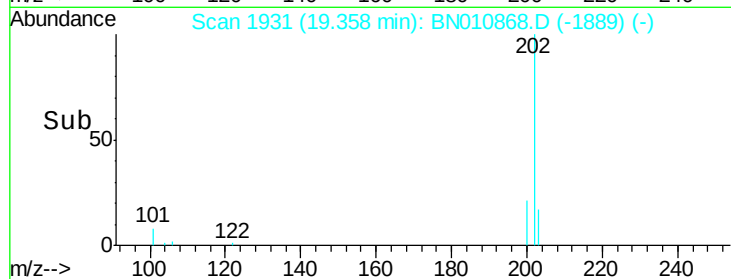
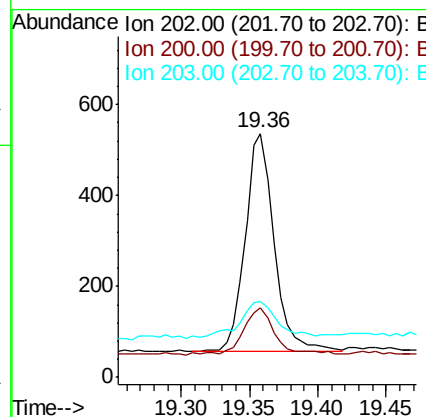
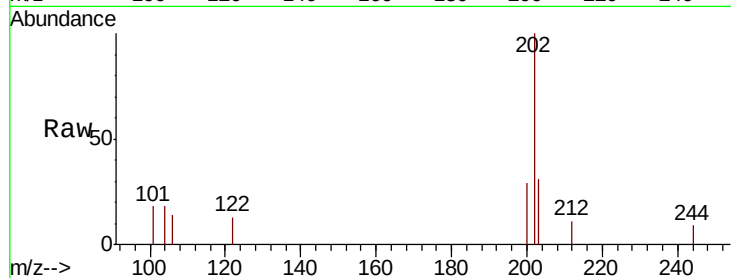




#28
Pvrene
Concen: 0.021 ng
RT: 19.36 min Scan# 1931
Delta R.T. 0.01 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

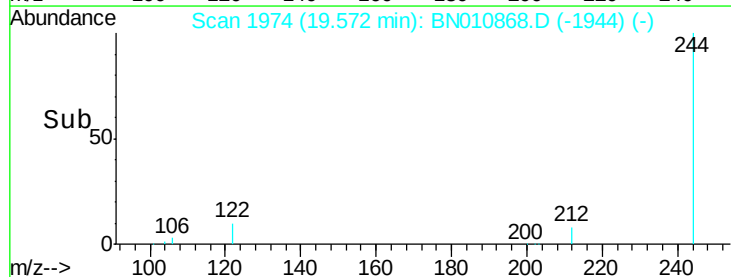
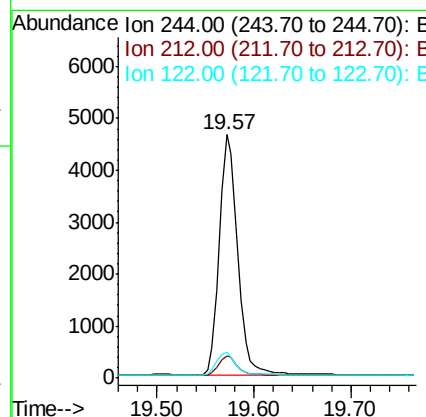
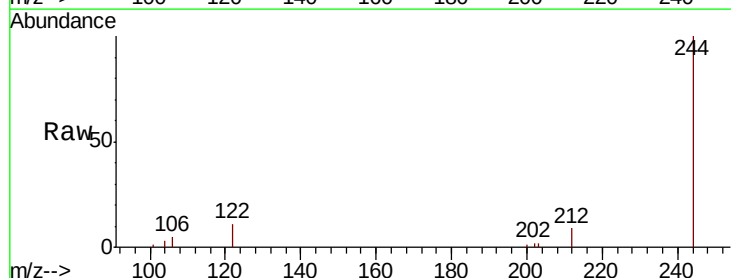
Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608DL

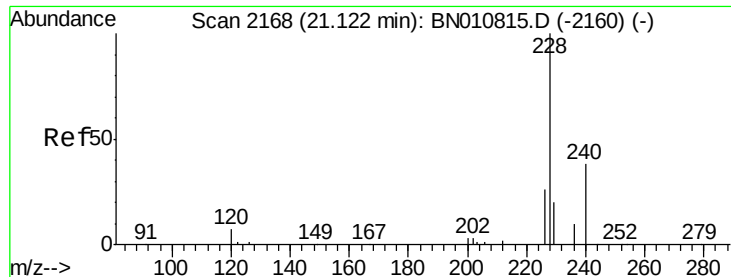
Tot Ion:202 Resp: 705
Ion Ratio Lower Upper
202 100
200 24.4 16.4 24.6
203 23.4 14.2 21.4#



#29
Terphenyl-d14
Concen: 0.262 ng
RT: 19.57 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

Tgt Ion:244 Resp: 6237
Ion Ratio Lower Upper
244 100
212 9.2 7.4 11.2
122 10.8 7.5 11.3





#30

Benzo(a)anthracene

Concen: 0.021 ng

RT: 21.11 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608DL

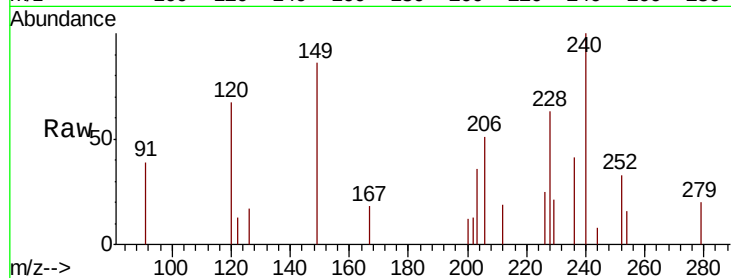
Tot Ion:228 Resp: 634

Ion Ratio Lower Upper

228 100

226 39.4 21.3 31.9#

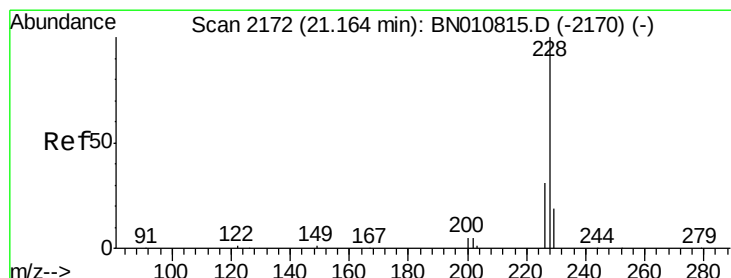
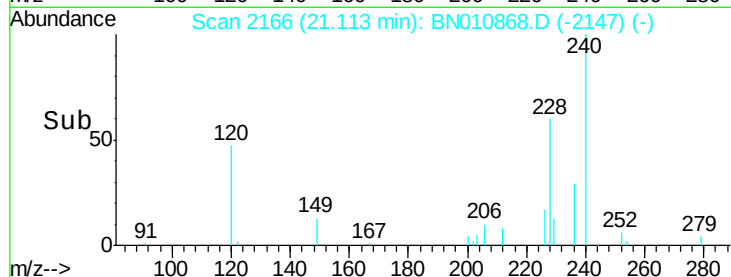
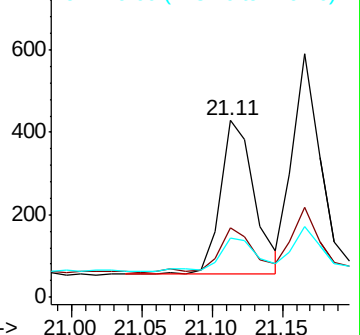
229 33.8 16.6 24.8#



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: 0.021 ng

RT: 21.17 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

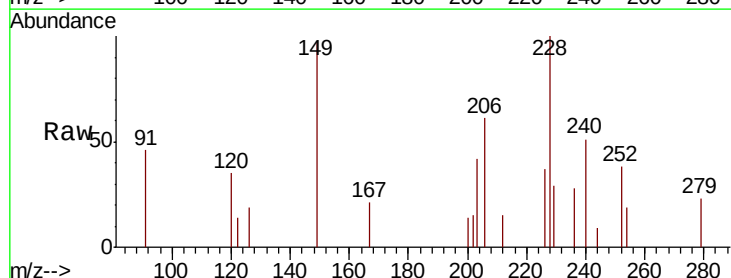
Tgt Ion:228 Resp: 723

Ion Ratio Lower Upper

228 100

226 36.7 25.0 37.6

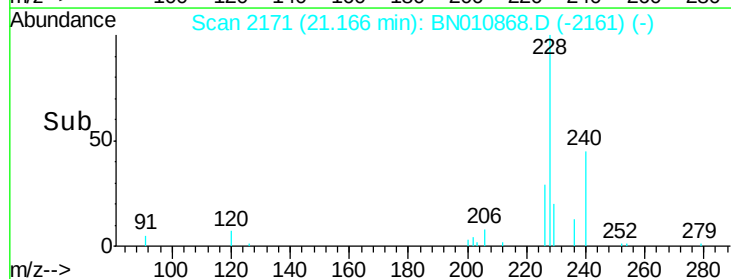
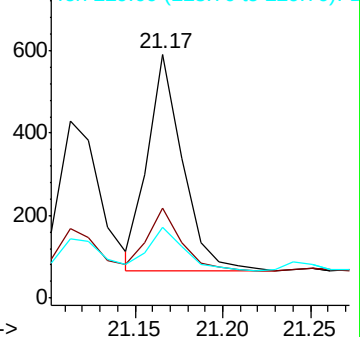
229 28.9 16.1 24.1#

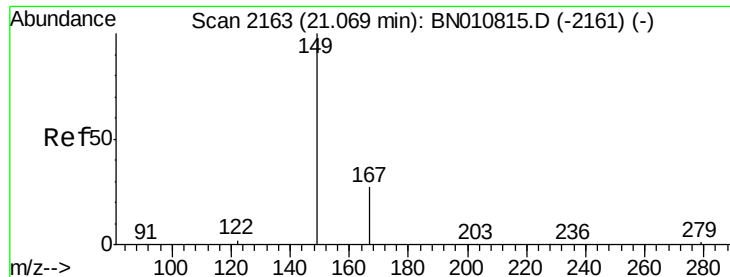


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.238 ng

RT: 21.07 min Scan# 2162

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608DL

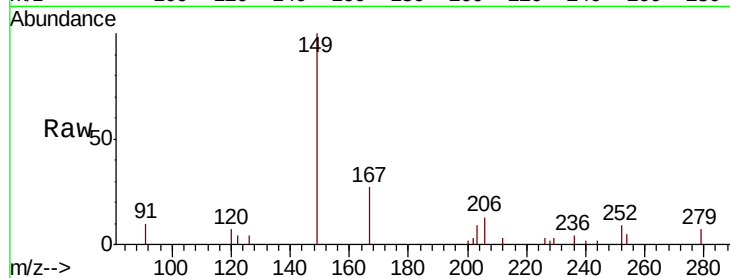
Tot Ion:149 Resp: 2376

Ion Ratio Lower Upper

149 100

167 26.5 24.1 36.1

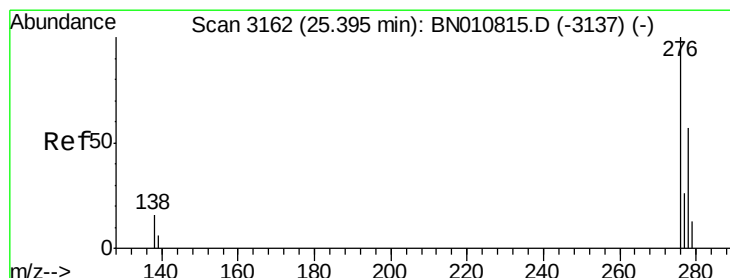
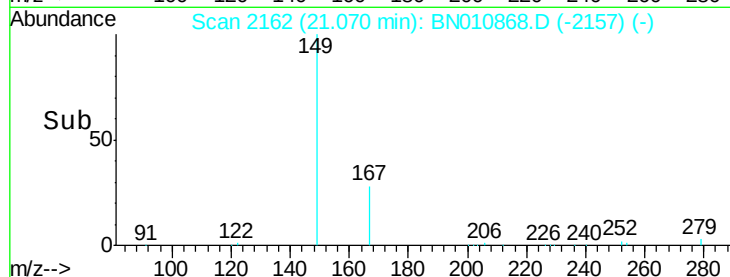
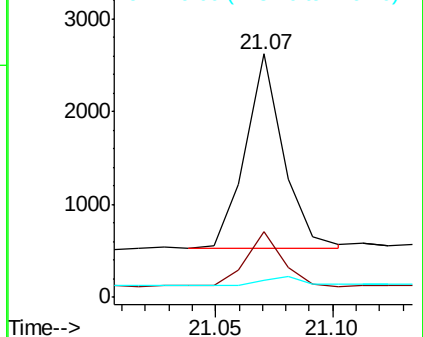
279 4.8 4.6 7.0



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: 0.023 ng

RT: 25.40 min Scan# 3162

Delta R.T. 0.01 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

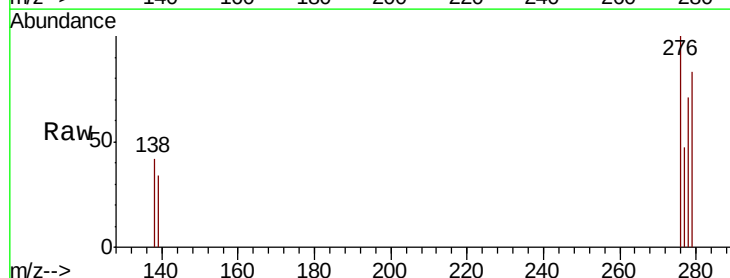
Tgt Ion:276 Resp: 912

Ion Ratio Lower Upper

276 100

138 16.6 13.0 19.6

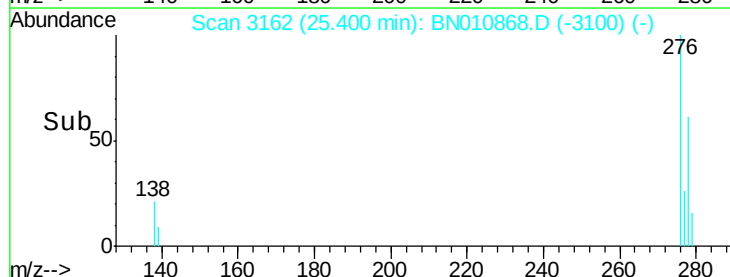
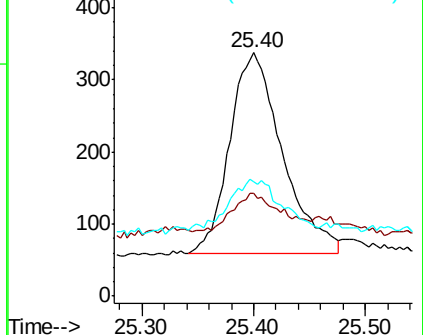
277 24.0 19.7 29.5

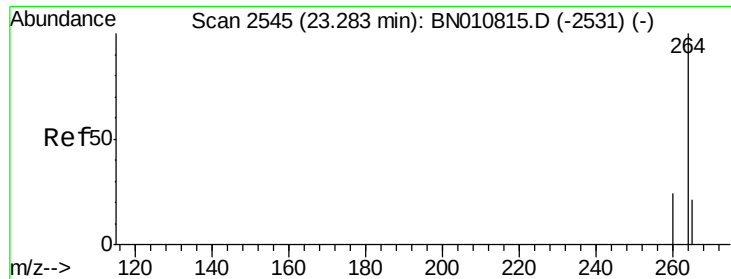


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

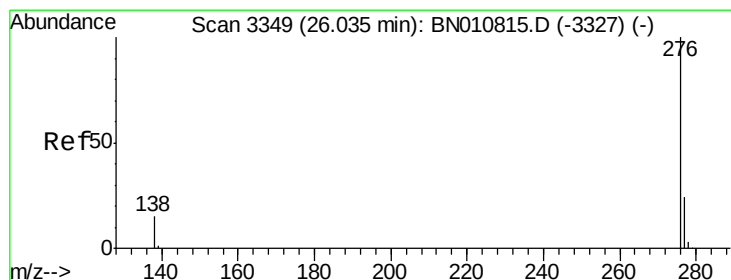
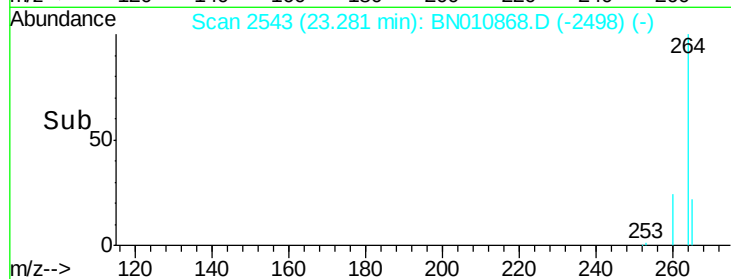
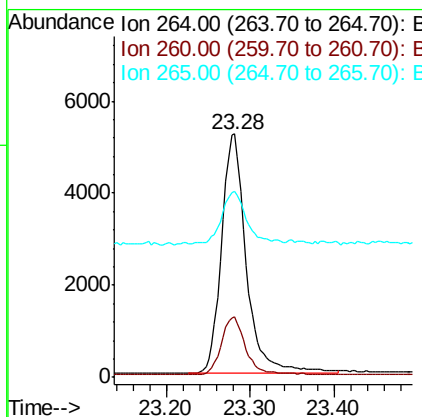
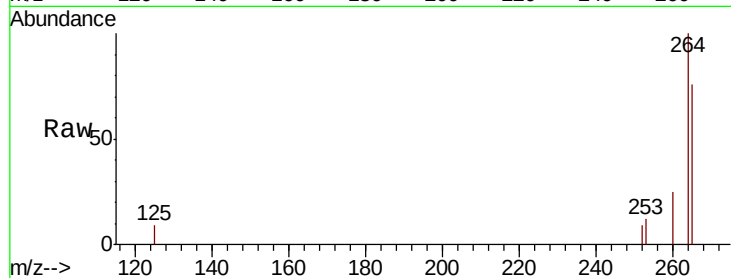




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.28 min Scan# 2543
Delta R.T. 0.01 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608DL

Tot Ion:264 Resp: 10645
Ion Ratio Lower Upper
264 100
260 24.7 20.4 30.6
265 76.5 75.0 112.4



#39
Benzo(g,h,i)perylene
Concen: 0.023 ng
RT: 26.04 min Scan# 3348
Delta R.T. 0.01 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

Tgt Ion:276 Resp: 839
Ion Ratio Lower Upper
276 100
277 47.4 20.5 30.7#
138 39.4 13.7 20.5#

