

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061920\
 Data File : BN010988.D
 Acq On : 20 Jun 2020 04:23
 Operator : CG/JU
 Sample : L3033-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LF001MW003-200616

Quant Time: Jun 20 06:19:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 19 12:43:49 2020
 Response via : Initial Calibration

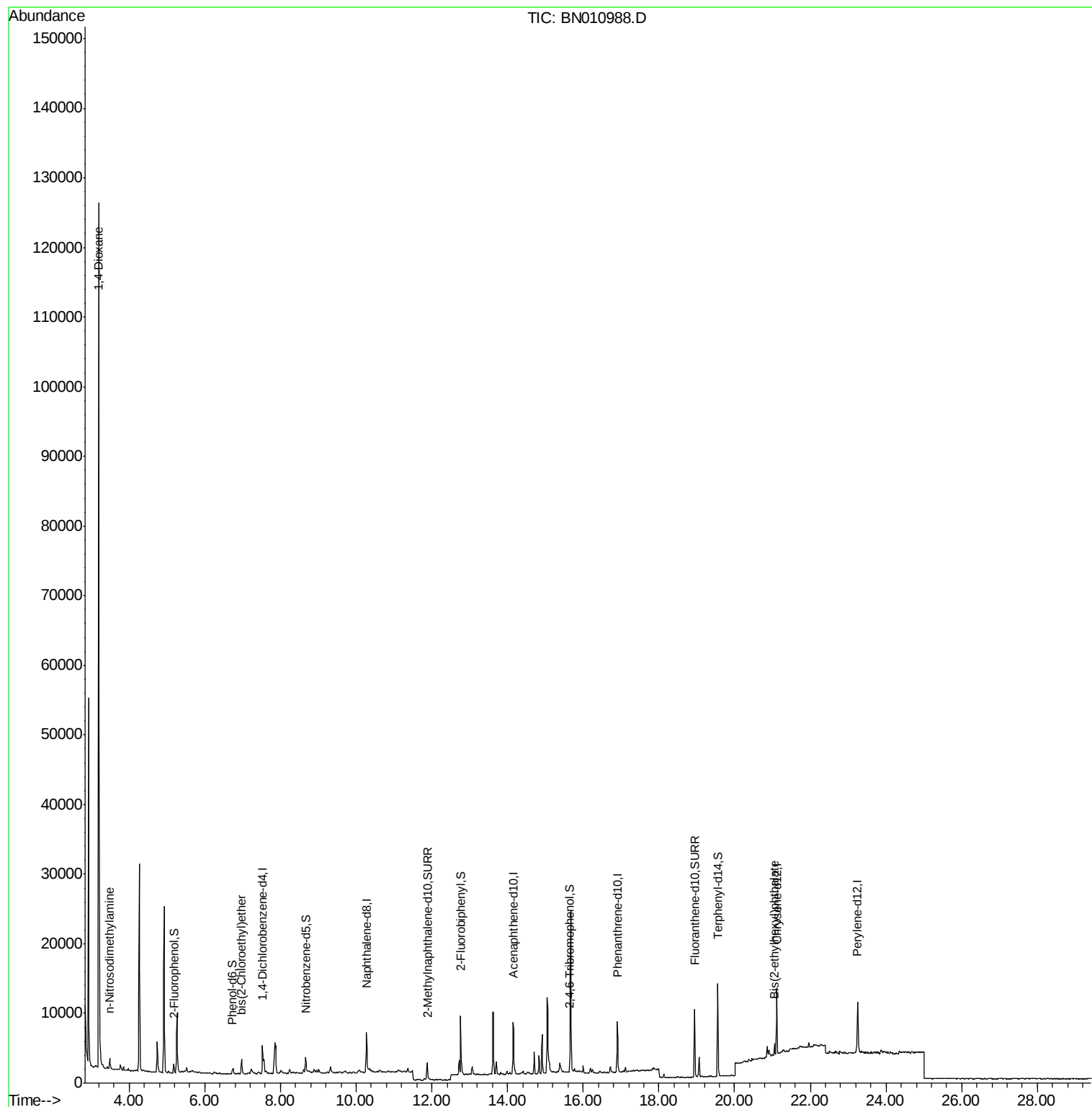
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	2176	0.40	ng	0.00
7) Naphthalene-d8	10.28	136	7826	0.40	ng	0.00
13) Acenaphthene-d10	14.15	164	4620	0.40	ng	-0.01
19) Phenanthrene-d10	16.90	188	9711	0.40	ng	0.00
27) Chrysene-d12	21.11	240	9492	0.40	ng	-0.01
34) Perylene-d12	23.25	264	9858	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	869	0.21	ng	0.00
5) Phenol-d6	6.73	99	718	0.15	ng	0.00
8) Nitrobenzene-d5	8.67	82	2506	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	11.87	152	3797	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.65	330	829	0.50	ng	0.00
15) 2-Fluorobiphenyl	12.76	172	8459	0.46	ng	-0.01
25) Fluoranthene-d10	18.94	212	11860	0.44	ng	0.00
29) Terphenyl-d14	19.55	244	13443	0.61	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.20	88	90570	42.493	ng	96
3) n-Nitrosodimethylamine	3.49	42	212	0.171	ng	# 1
6) bis(2-Chloroethyl)ether	6.98	93	2094	0.434	ng	98
32) Bis(2-ethylhexyl)phthalate	21.06	149	1650	0.177	ng	96

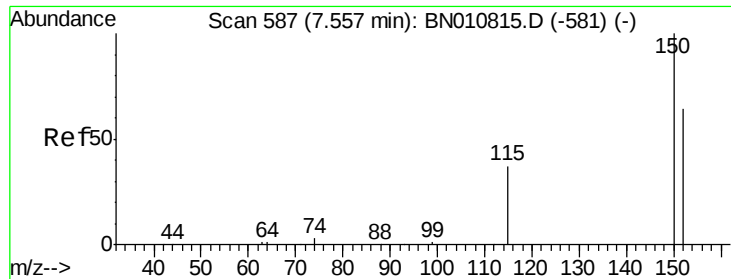
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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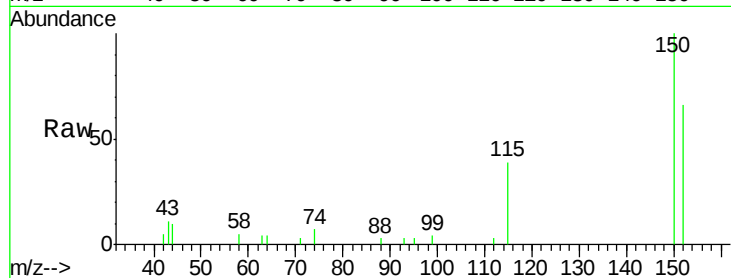


#1

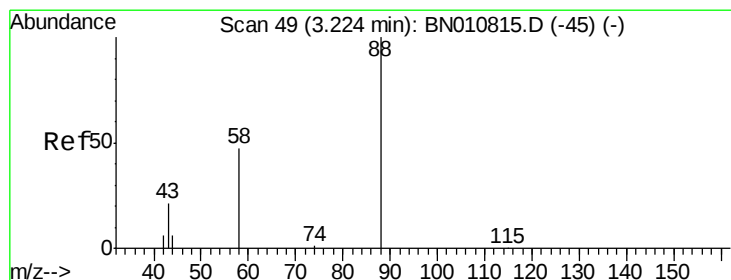
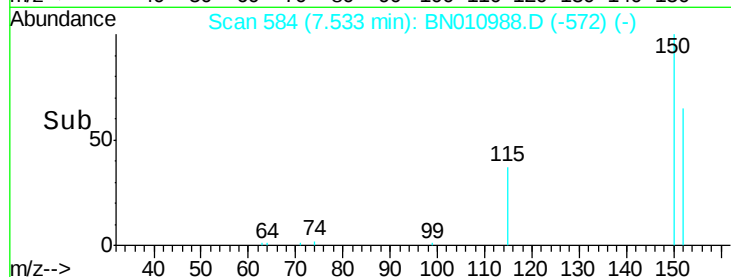
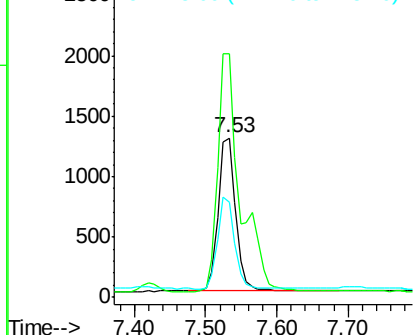
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.53 min Scan# 584
Delta R.T. -0.00 min
Lab File: BN010988.D
Acq: 20 Jun 2020 04:23

Instrument :
BNA_N
ClientSampleId :
LF001MW003-200616

Tot Ion:152 Resp: 2176
Ion Ratio Lower Upper
152 100
150 152.3 123.8 185.6
115 59.5 49.2 73.8



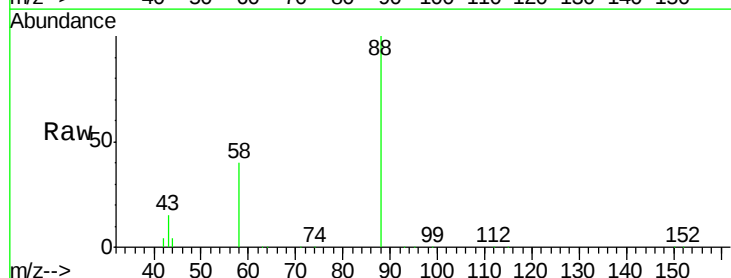
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



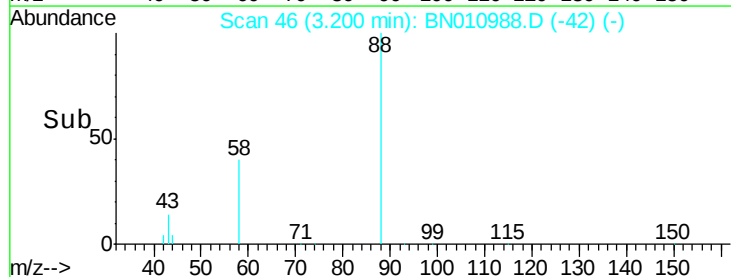
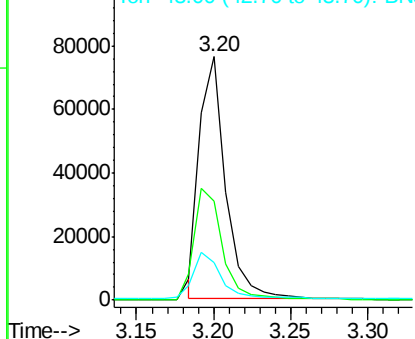
#2

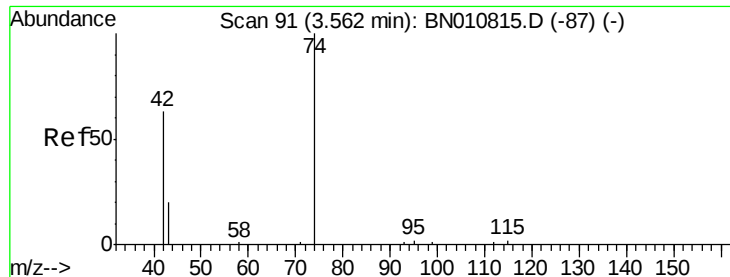
1,4-Dioxane
Concen: 42.493 ng
RT: 3.20 min Scan# 46
Delta R.T. -0.02 min
Lab File: BN010988.D
Acq: 20 Jun 2020 04:23

Tgt Ion: 88 Resp: 90570
Ion Ratio Lower Upper
88 100
58 44.8 38.2 57.4
43 16.9 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





#3

n-Nitrosodimethylamine

Concen: 0.171 ng

RT: 3.49 min Scan# 82

Delta R.T. -0.03 min

Lab File: BN010988.D

Acq: 20 Jun 2020 04:23

Instrument :

BNA_N

ClientSampleId :

LF001MW003-200616

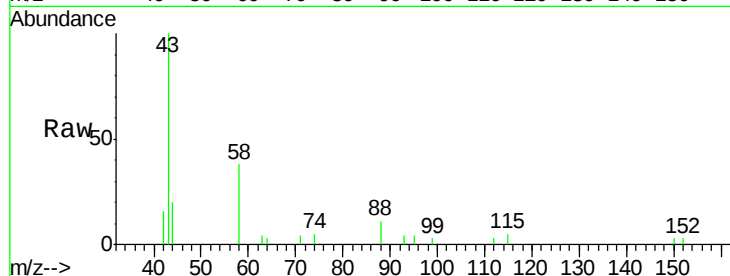
Tot Ion: 42 Resp: 212

Ion Ratio Lower Upper

42 100

74 0.0 140.7 211.1#

44 55.7 1.4 2.2#

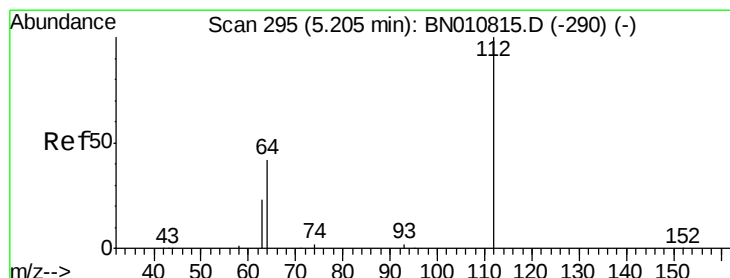
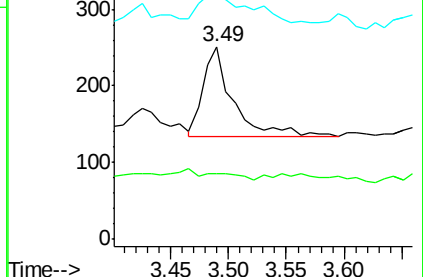
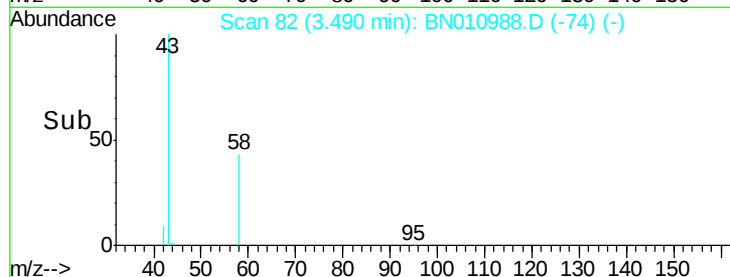


Abundance Ion 42.00 (41.70 to 42.70): BN010988.D (-74) (-)

Ion 74.00 (73.70 to 74.70): BN010988.D (-74) (-)

Ion 44.00 (43.70 to 44.70): BN010988.D (-74) (-)

Time-->



#4

2-Fluorophenol

Concen: 0.207 ng

RT: 5.18 min Scan# 292

Delta R.T. -0.00 min

Lab File: BN010988.D

Acq: 20 Jun 2020 04:23

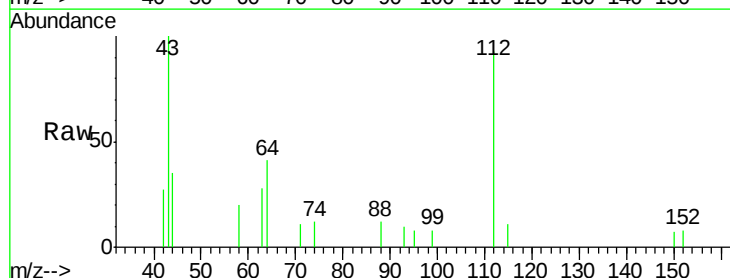
Tgt Ion: 112 Resp: 869

Ion Ratio Lower Upper

112 100

64 44.1 37.4 56.0

63 22.9 22.2 33.4

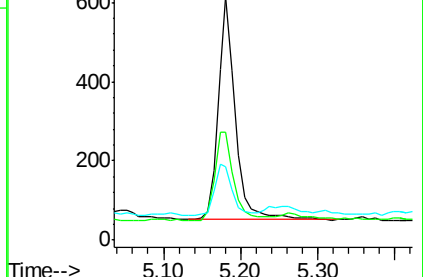
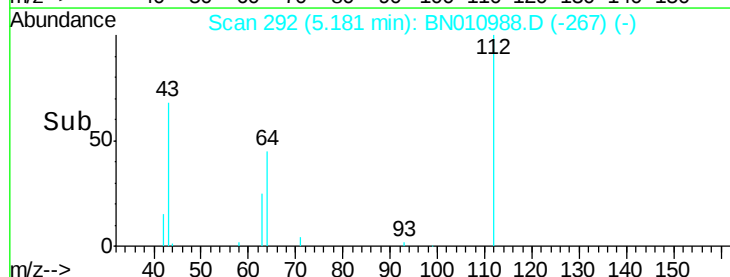


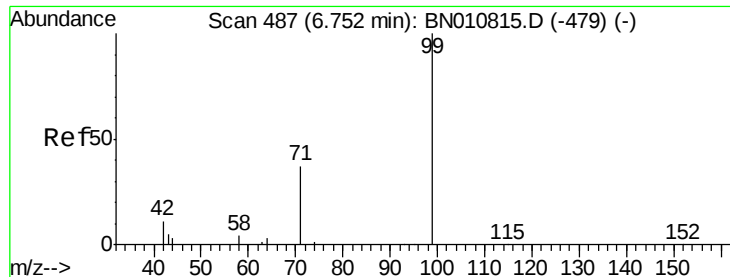
Abundance Ion 112.00 (111.70 to 112.70): BN010988.D (-267) (-)

Ion 64.00 (63.70 to 64.70): BN010988.D (-267) (-)

Ion 63.00 (62.70 to 63.70): BN010988.D (-267) (-)

Time-->





#5

Phenol-d6

Concen: 0.145 ng

RT: 6.73 min Scan# 484

Delta R.T. -0.00 min

Lab File: BN010988.D

Acq: 20 Jun 2020 04:23

Instrument :

BNA_N

ClientSampleId :

LF001MW003-200616

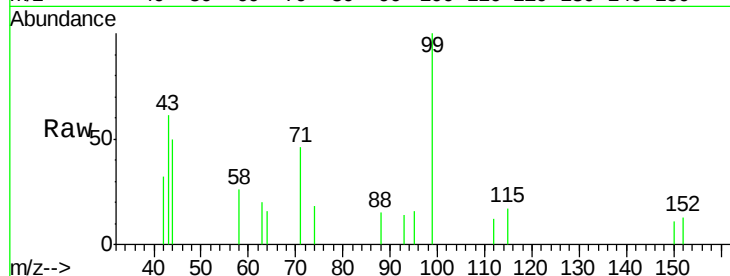
Tot Ion: 99 Resp: 718

Ion Ratio Lower Upper

99 100

42 20.2 11.1 16.7#

71 48.6 31.4 47.2#



Abundance Ion 99.00 (98.70 to 99.70): BN010988.D (-479) (-)

Ion 42.00 (41.70 to 42.70): BN010988.D (-479) (-)

Ion 71.00 (70.70 to 71.70): BN010988.D (-479) (-)

6.73

400

300

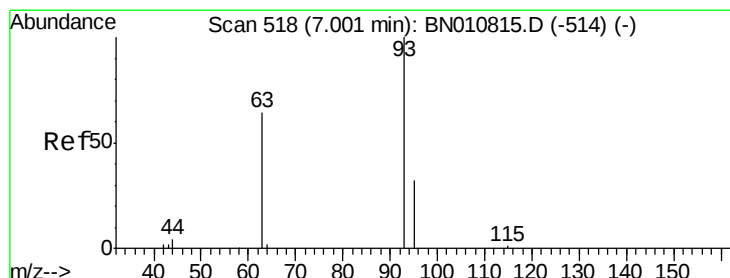
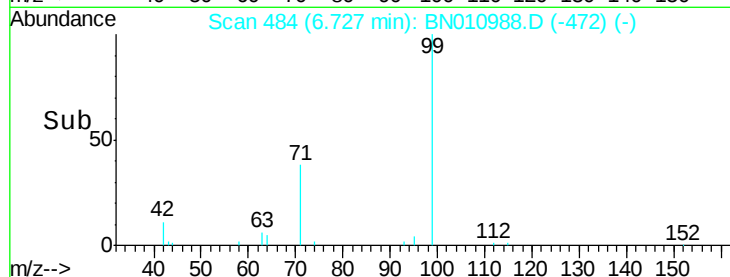
200

100

0

6.60 6.70 6.80 6.90

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.434 ng

RT: 6.98 min Scan# 515

Delta R.T. -0.00 min

Lab File: BN010988.D

Acq: 20 Jun 2020 04:23

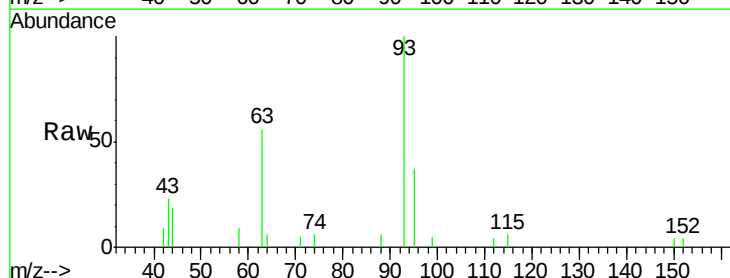
Tgt Ion: 93 Resp: 2094

Ion Ratio Lower Upper

93 100

63 60.5 49.4 74.2

95 34.1 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN010988.D (-490) (-)

Ion 63.00 (62.70 to 63.70): BN010988.D (-490) (-)

Ion 95.00 (94.70 to 95.70): BN010988.D (-490) (-)

6.98

1500

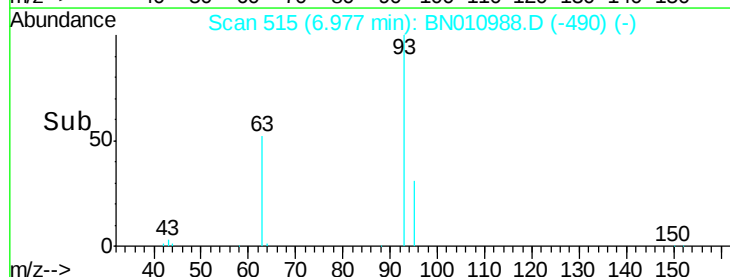
1000

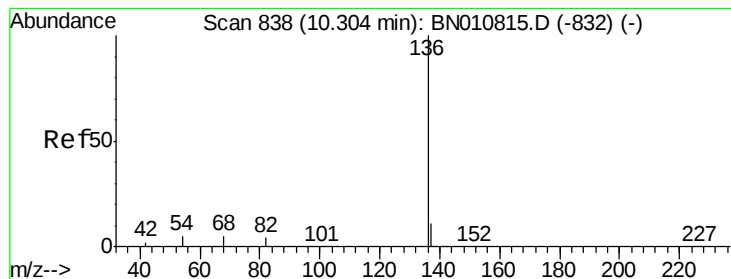
500

0

6.90 7.00 7.10 7.20

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.28 min Scan# 836

Delta R.T. -0.00 min

Lab File: BN010988.D

Acq: 20 Jun 2020 04:23

Instrument :

BNA_N

ClientSampleId :

LF001MW003-200616

Tot Ion:136 Resp: 7826

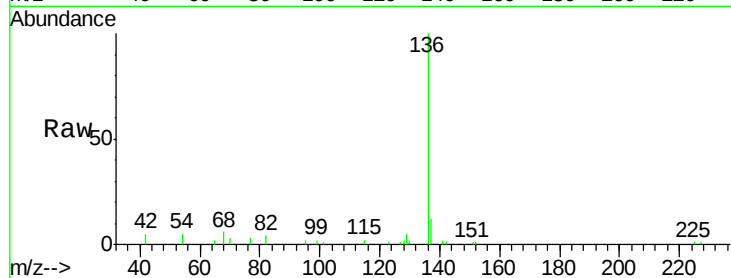
Ion Ratio Lower Upper

136 100

137 11.8 9.7 14.5

54 5.1 4.9 7.3

68 5.6 4.7 7.1

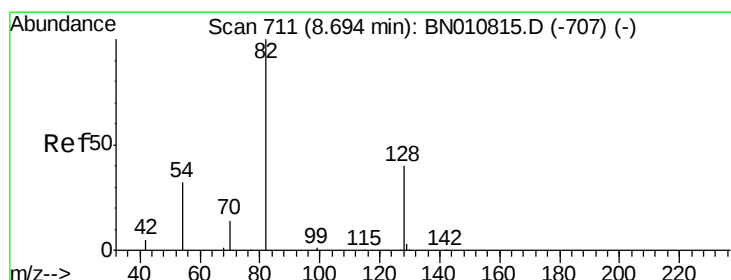
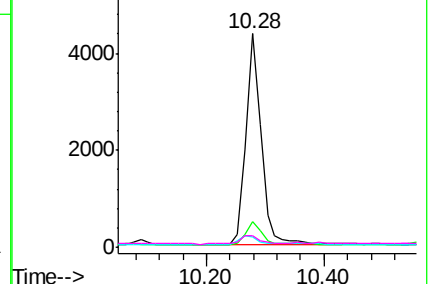
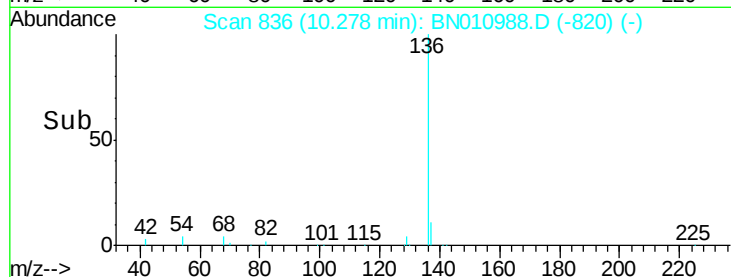


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.433 ng

RT: 8.67 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN010988.D

Acq: 20 Jun 2020 04:23

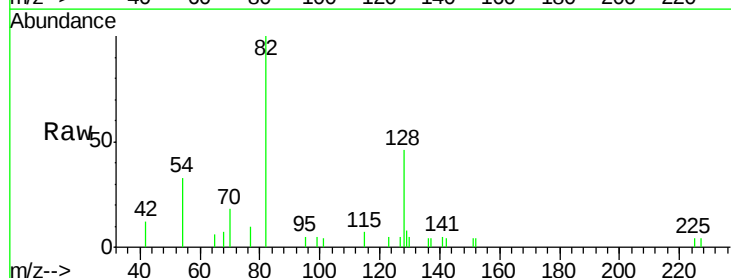
Tgt Ion: 82 Resp: 2506

Ion Ratio Lower Upper

82 100

128 45.8 35.4 53.0

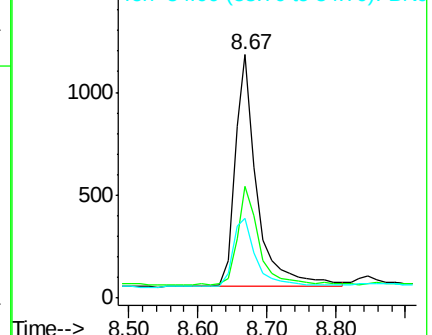
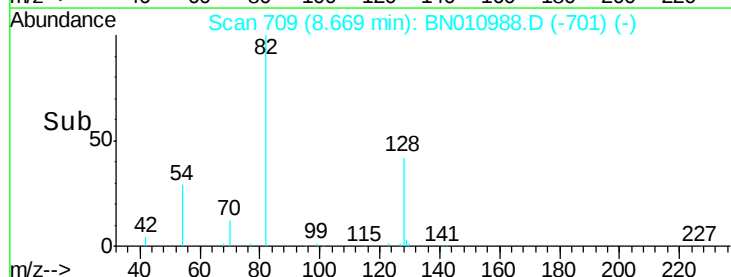
54 32.7 28.2 42.4

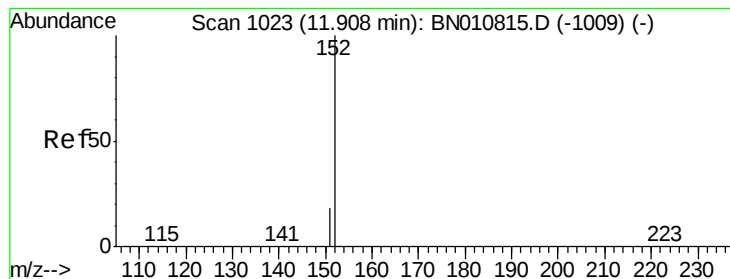


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#11

2-Methylnaphthalene-d10

Concen: 0.313 ng

RT: 11.87 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BN010988.D

Acq: 20 Jun 2020 04:23

Instrument :

BNA_N

ClientSampleId :

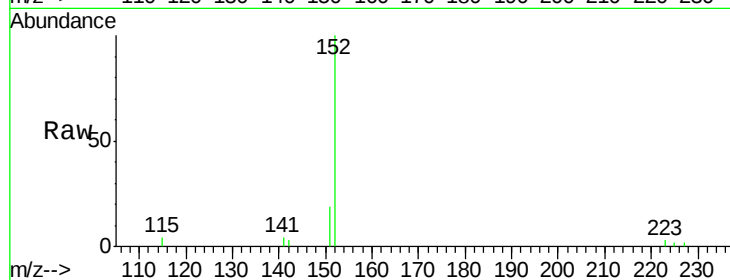
LF001MW003-200616

Tot Ion:152 Resp: 3797

Ion Ratio Lower Upper

152 100

151 21.5 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2500

2000

1500

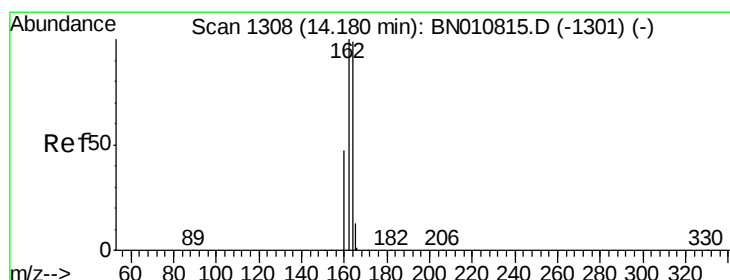
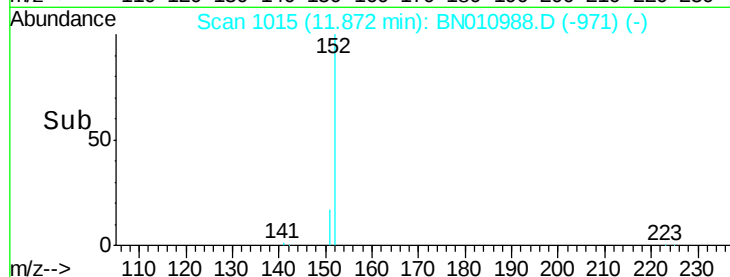
1000

500

0

11.80 11.87 11.90 11.95 12.00

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.15 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BN010988.D

Acq: 20 Jun 2020 04:23

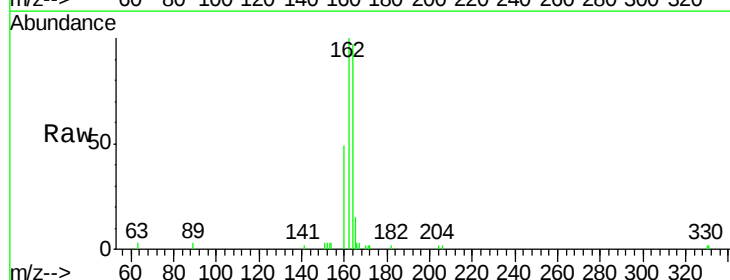
Tgt Ion:164 Resp: 4620

Ion Ratio Lower Upper

164 100

162 103.5 81.0 121.6

160 50.2 38.9 58.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

4000

3000

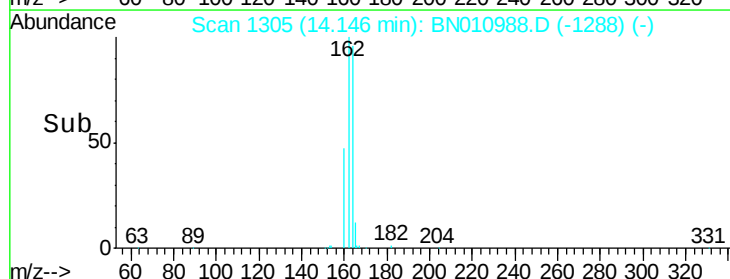
2000

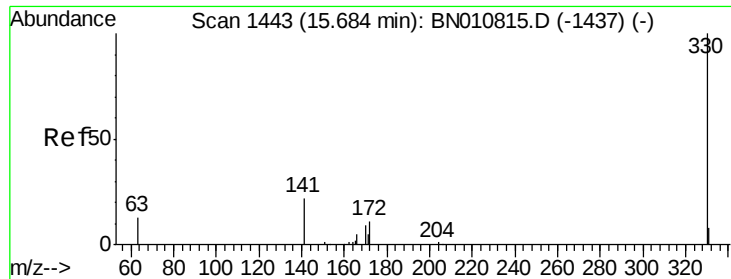
1000

0

14.00 14.10 14.15 14.20

Time-->

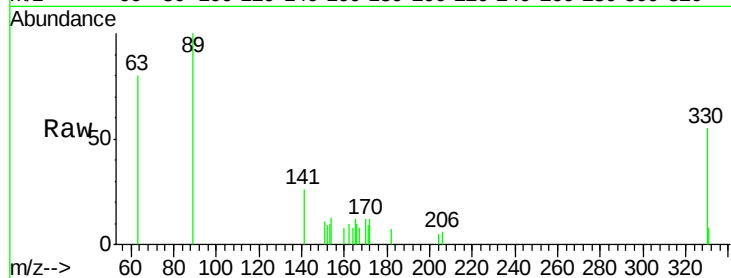




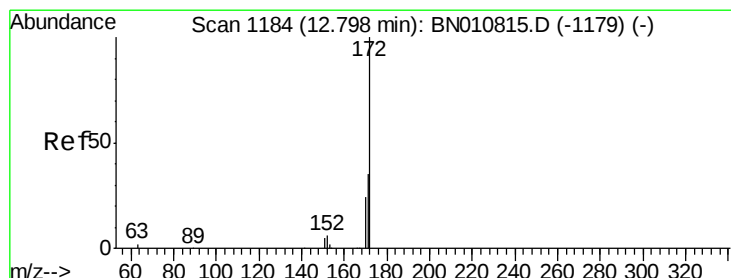
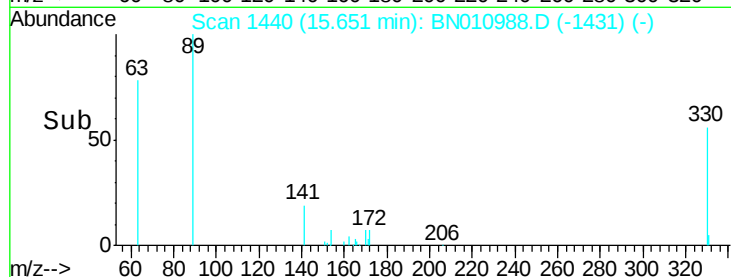
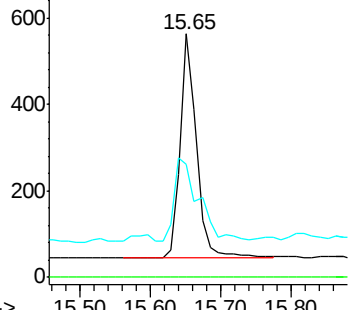
#14
 2,4,6-Tribromophenol
 Concen: 0.502 ng
 RT: 15.65 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BN010988.D
 Acq: 20 Jun 2020 04:23

Instrument :
 BNA_N
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 LF001MW003-200616

Tot Ion:330 Resp: 829
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 54.5 33.2 49.8#

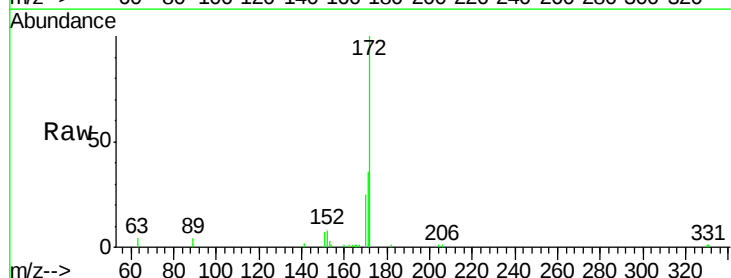


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

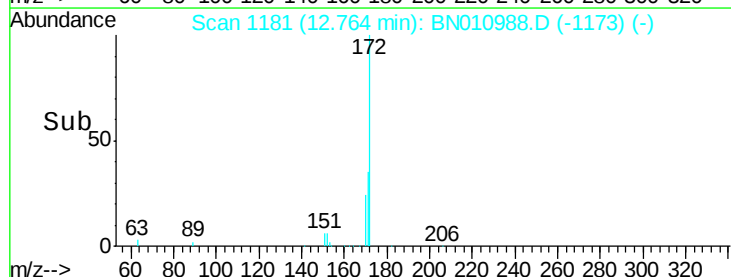
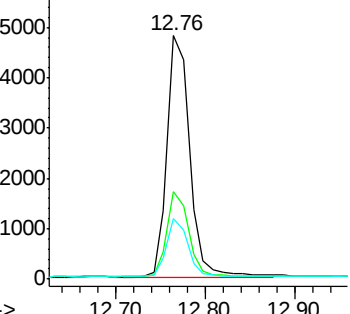


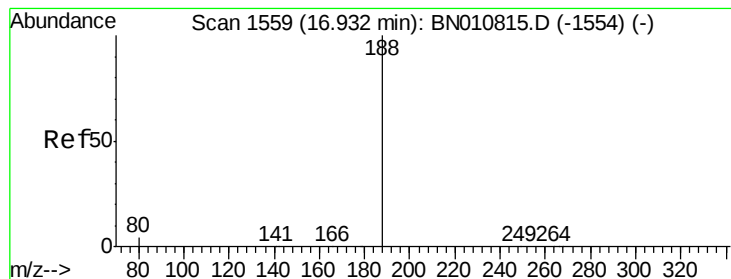
#15
 2-Fluorobiphenyl
 Concen: 0.464 ng
 RT: 12.76 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BN010988.D
 Acq: 20 Jun 2020 04:23

Tgt Ion:172 Resp: 8459
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.5 42.7
 170 24.6 19.7 29.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.90 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BN010988.D

Acq: 20 Jun 2020 04:23

Instrument :

BNA_N

ClientSampleId :

LF001MW003-200616

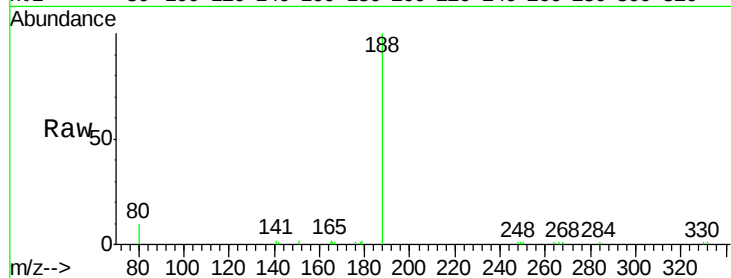
Tot Ion:188 Resp: 9711

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

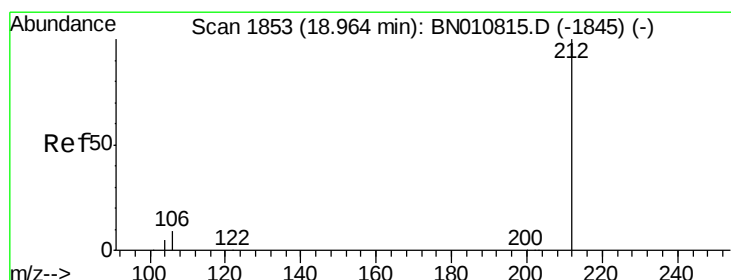
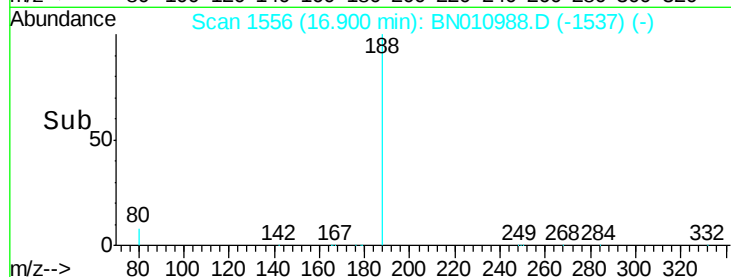
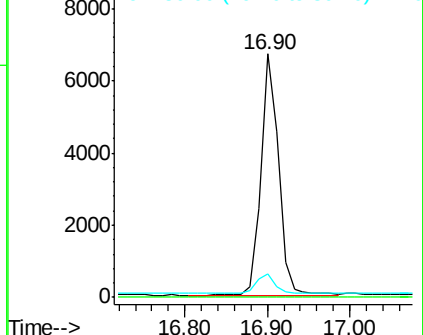
80 9.7 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#25

Fluoranthene-d10

Concen: 0.443 ng

RT: 18.94 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BN010988.D

Acq: 20 Jun 2020 04:23

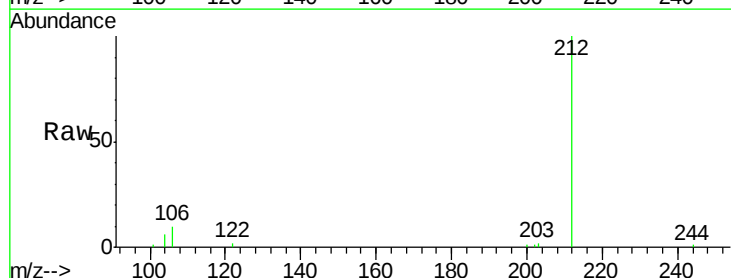
Tgt Ion:212 Resp: 11860

Ion Ratio Lower Upper

212 100

106 9.1 6.6 10.0

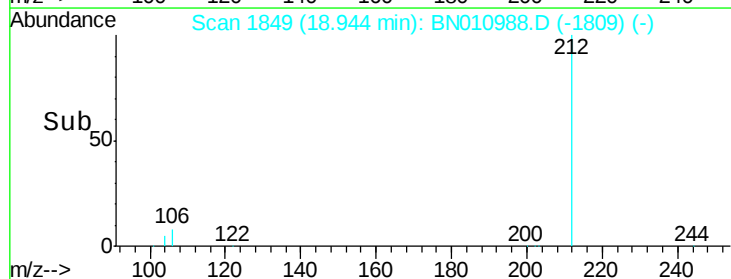
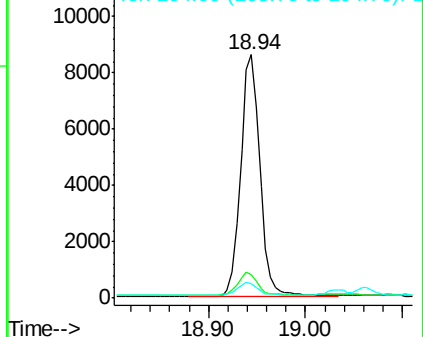
104 5.3 4.0 6.0

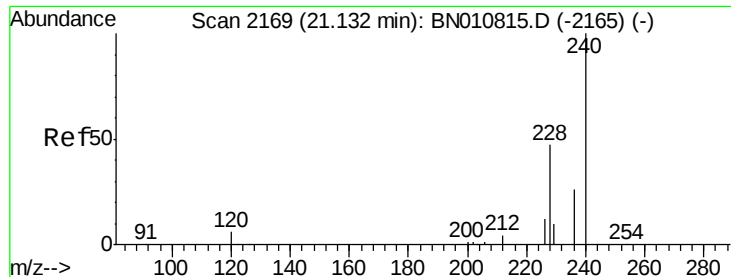


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.11 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN010988.D

Acq: 20 Jun 2020 04:23

Instrument :

BNA_N

ClientSampleId :

LF001MW003-200616

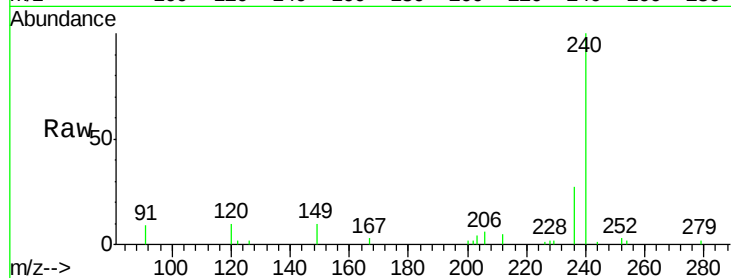
Tot Ion:240 Resp: 9492

Ion Ratio Lower Upper

240 100

120 9.7 7.5 11.3

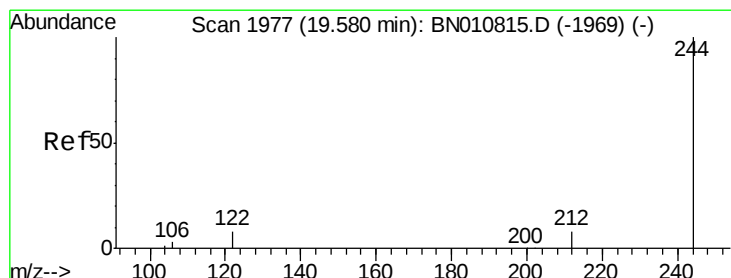
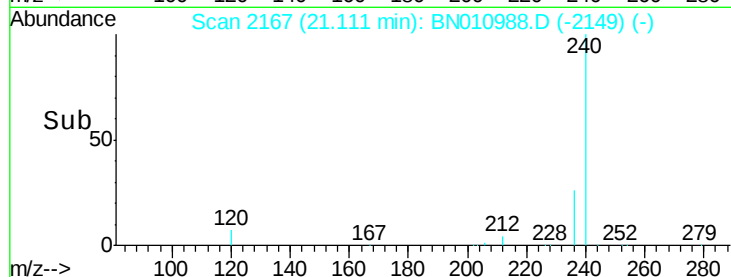
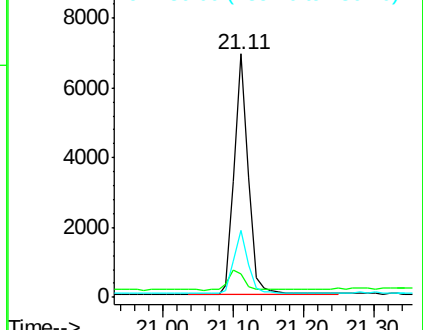
236 27.3 22.3 33.5



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



#29

Terphenyl-d14

Concen: 0.605 ng

RT: 19.55 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BN010988.D

Acq: 20 Jun 2020 04:23

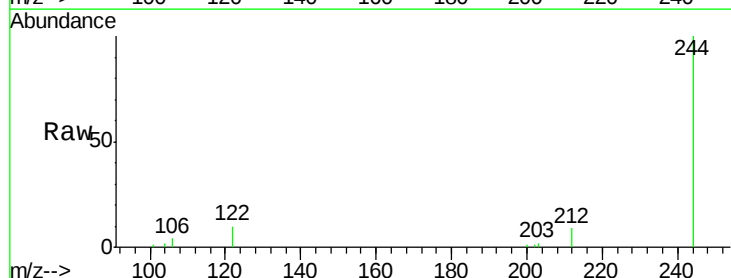
Tgt Ion:244 Resp: 13443

Ion Ratio Lower Upper

244 100

212 8.6 7.4 11.2

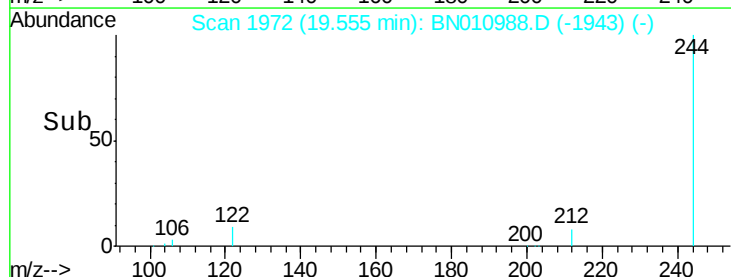
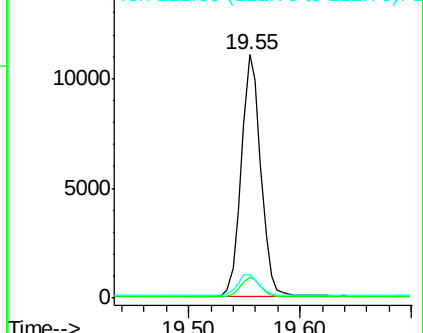
122 9.8 7.5 11.3

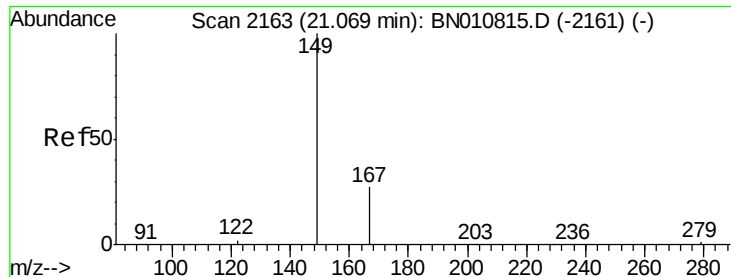


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.177 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN010988.D

Acq: 20 Jun 2020 04:23

Instrument :

BNA_N

ClientSampleId :

LF001MW003-200616

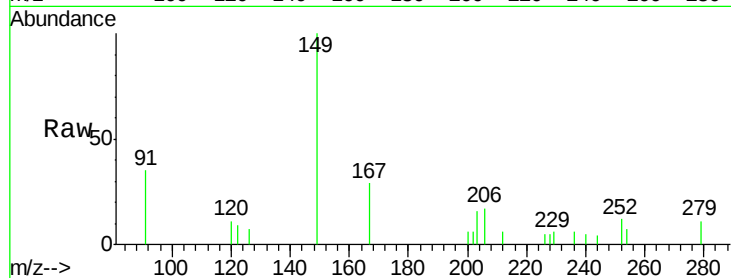
Tot Ion:149 Resp: 1650

Ion Ratio Lower Upper

149 100

167 28.1 24.1 36.1

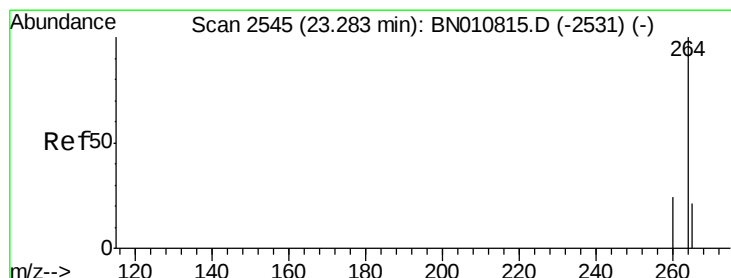
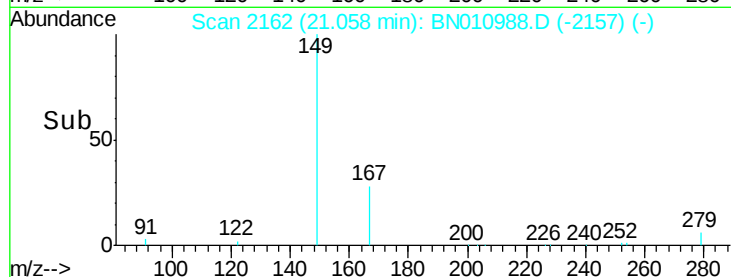
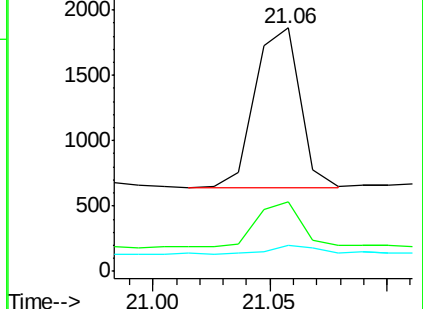
279 6.6 4.6 7.0



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.25 min Scan# 2536

Delta R.T. -0.01 min

Lab File: BN010988.D

Acq: 20 Jun 2020 04:23

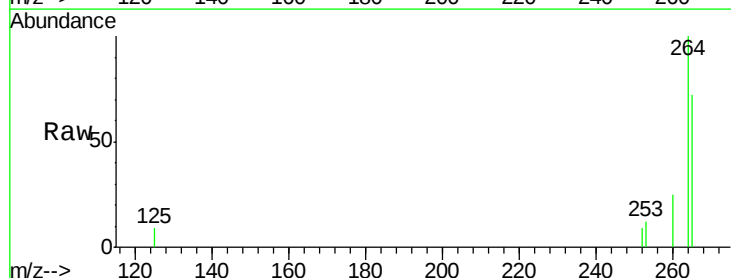
Tgt Ion:264 Resp: 9858

Ion Ratio Lower Upper

264 100

260 24.8 20.4 30.6

265 72.5 75.0 112.4#



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

