

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062220\
 Data File : BN011013.D
 Acq On : 22 Jun 2020 17:28
 Operator : CG/JU
 Sample : L3033-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SS043MW100-200615

Quant Time: Jun 22 18:00:39 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 22 12:02:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	2634	0.40	ng	0.00
7) Naphthalene-d8	10.28	136	9569	0.40	ng	0.00
13) Acenaphthene-d10	14.15	164	5340	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	13036	0.40	ng	-0.01
27) Chrysene-d12	21.11	240	10415	0.40	ng	-0.01
34) Perylene-d12	23.26	264	11197	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	1215	0.24	ng	0.00
5) Phenol-d6	6.73	99	769	0.13	ng	0.00
8) Nitrobenzene-d5	8.67	82	3307	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	11.87	152	5108	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.65	330	909	0.48	ng	-0.01
15) 2-Fluorobiphenyl	12.76	172	10993	0.52	ng	-0.01
25) Fluoranthene-d10	18.94	212	11888	0.33	ng	0.00
29) Terphenyl-d14	19.56	244	13290	0.55	ng	0.00

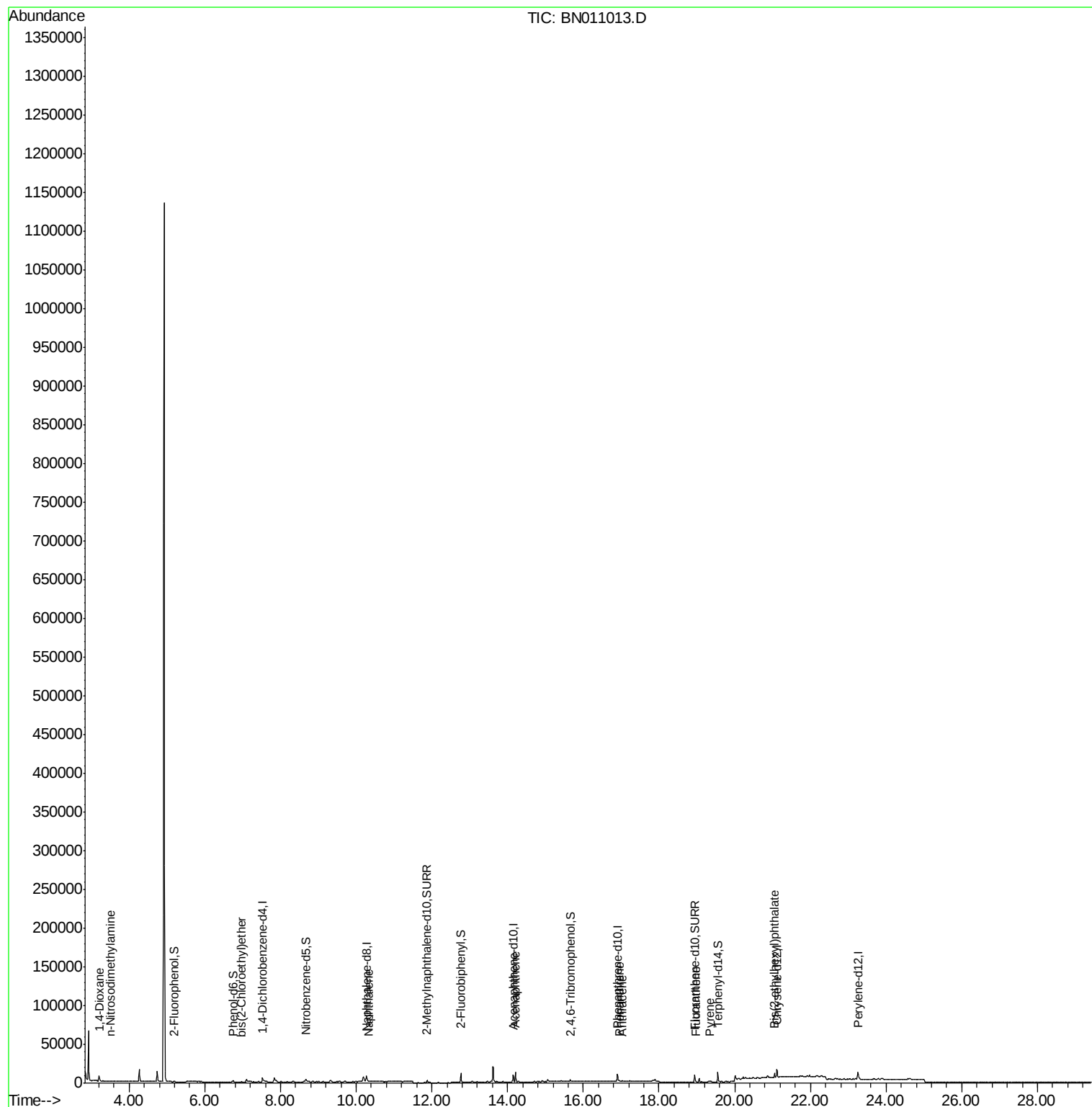
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	5660	2.194	ng	96
3) n-Nitrosodimethylamine	3.50	42	150	0.100	ng	# 1
6) bis(2-Chloroethyl)ether	6.98	93	509	0.087	ng	91
9) Naphthalene	10.33	128	481	0.020	ng	# 49
17) Acenaphthene	14.21	154	6419	0.430	ng	97
23) Phenanthrene	16.94	178	899	0.025	ng	# 73
24) Anthracene	17.04	178	1250	0.042	ng	# 91
26) Fluoranthene	18.97	202	1090	0.027	ng	# 89
28) Pyrene	19.34	202	1131	0.033	ng	# 89
32) Bis(2-ethylhexyl)phthalate	21.06	149	4181	0.410	ng	96

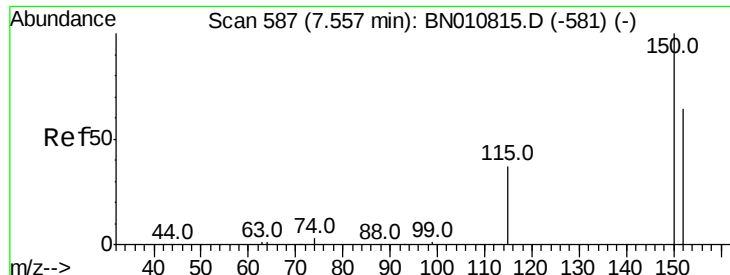
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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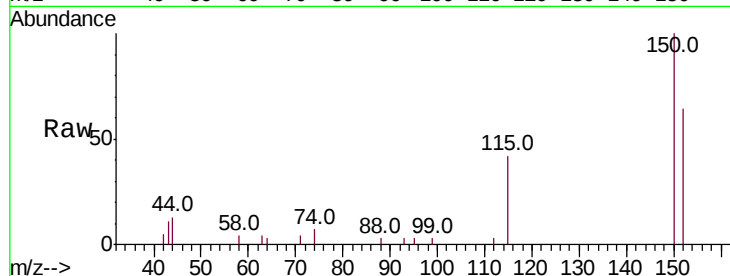


#1

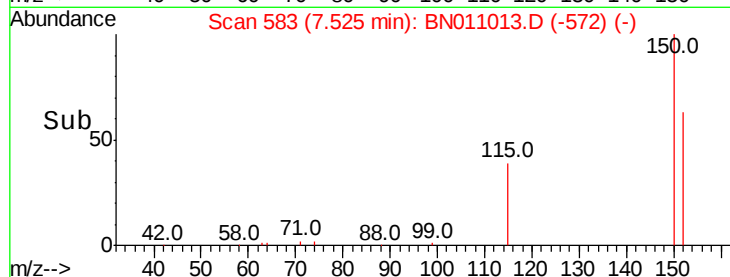
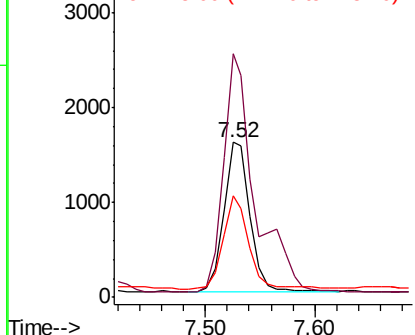
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BN011013.D
Acq: 22 Jun 2020 17:28

Instrument :
BNA_N
ClientSampleId :
SS043MW100-200615

Tot Ion:152 Resp: 2634
Ion Ratio Lower Upper
152 100
150 157.2 123.8 185.6
115 65.4 49.2 73.8



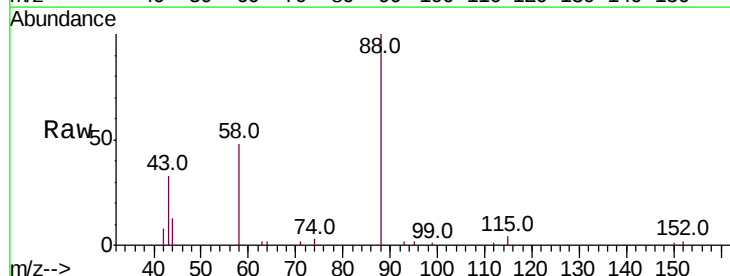
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



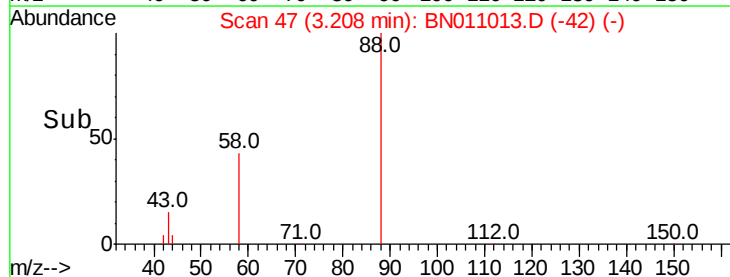
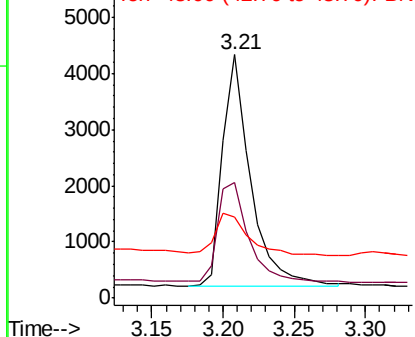
#2

1,4-Dioxane
Concen: 2.194 ng
RT: 3.21 min Scan# 47
Delta R.T. -0.01 min
Lab File: BN011013.D
Acq: 22 Jun 2020 17:28

Tgt Ion: 88 Resp: 5660
Ion Ratio Lower Upper
88 100
58 45.5 38.2 57.4
43 20.7 15.1 22.7



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.100 ng

RT: 3.50 min Scan# 83

Delta R.T. -0.06 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

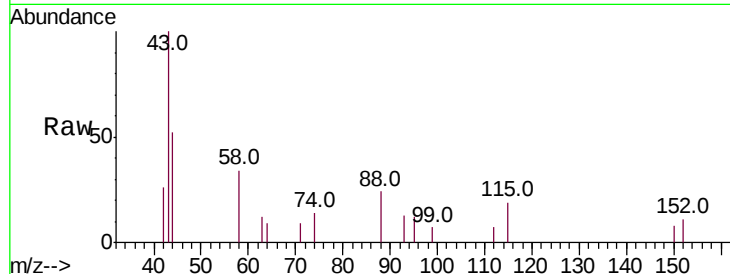
Tot Ion: 42 Resp: 150

Ion Ratio Lower Upper

42 100

74 9.3 140.7 211.1#

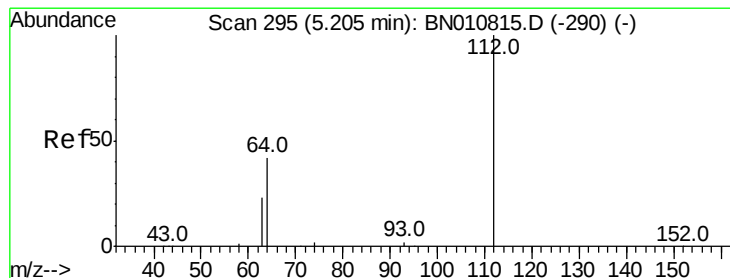
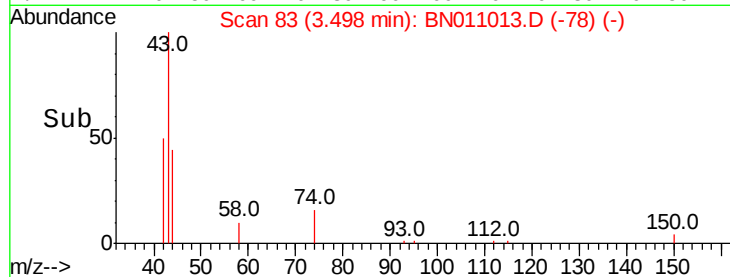
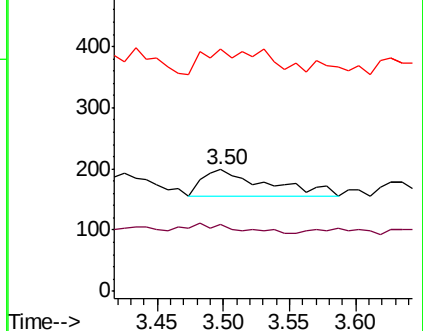
44 42.7 1.4 2.2#



Abundance Ion 42.00 (41.70 to 42.70): BN0

Ion 74.00 (73.70 to 74.70): BN0

Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.239 ng

RT: 5.18 min Scan# 292

Delta R.T. 0.00 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

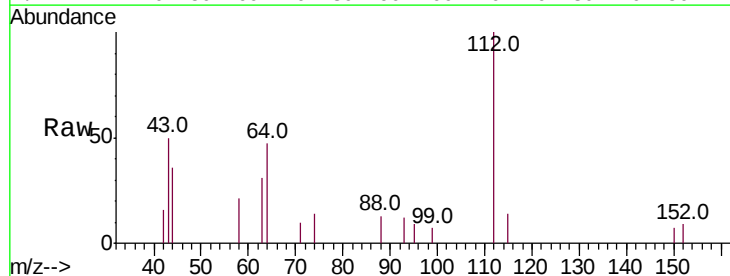
Tgt Ion: 112 Resp: 1215

Ion Ratio Lower Upper

112 100

64 38.5 37.4 56.0

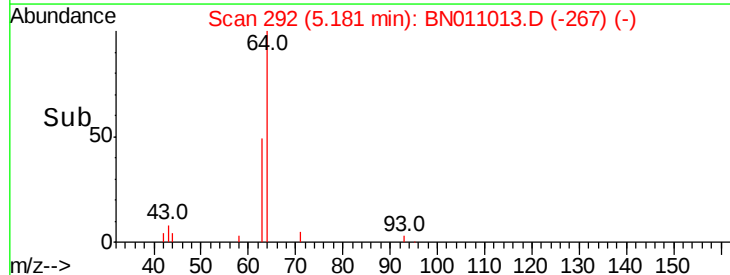
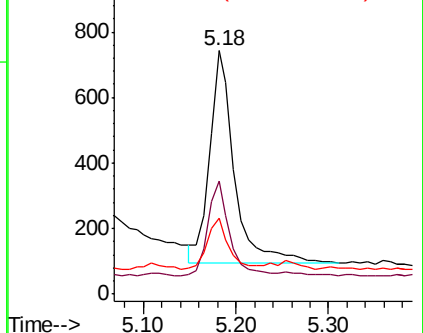
63 20.7 22.2 33.4#

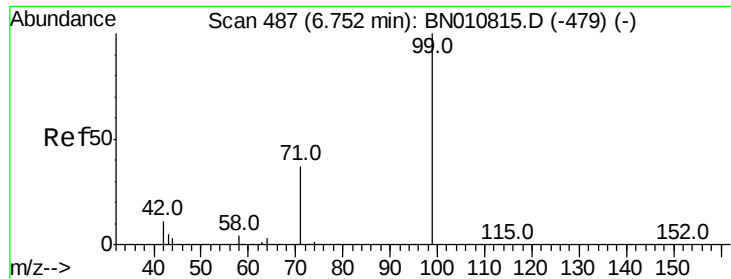


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.128 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.00 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

Instrument :

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SS043MW100-200615

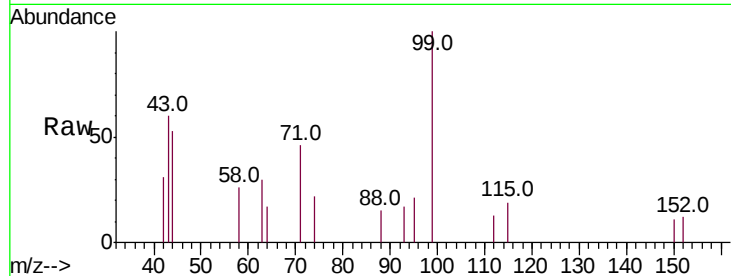
Tot Ion: 99 Resp: 769

Ion Ratio Lower Upper

99 100

42 26.1 11.1 16.7#

71 49.9 31.4 47.2#



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

6.73

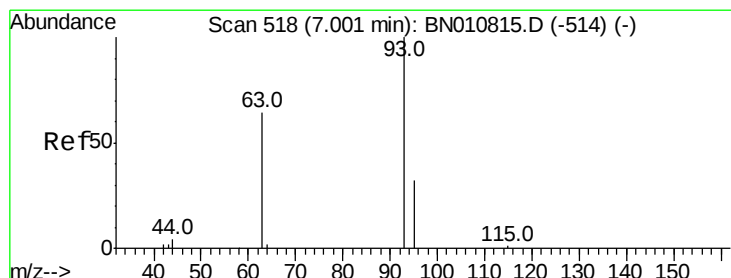
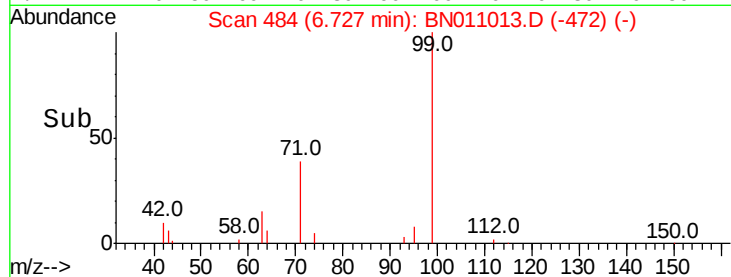
400

200

0

6.65 6.70 6.75 6.80 6.85

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.087 ng

RT: 6.98 min Scan# 515

Delta R.T. 0.00 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

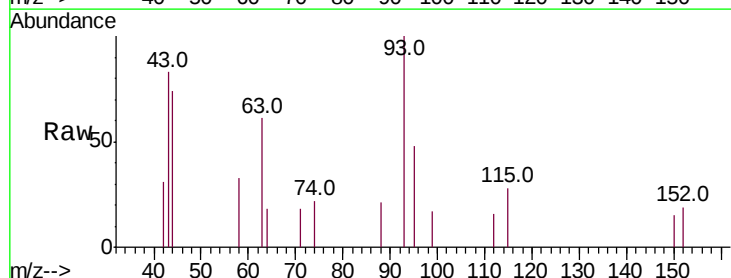
Tgt Ion: 93 Resp: 509

Ion Ratio Lower Upper

93 100

63 53.6 49.4 74.2

95 36.7 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

1500

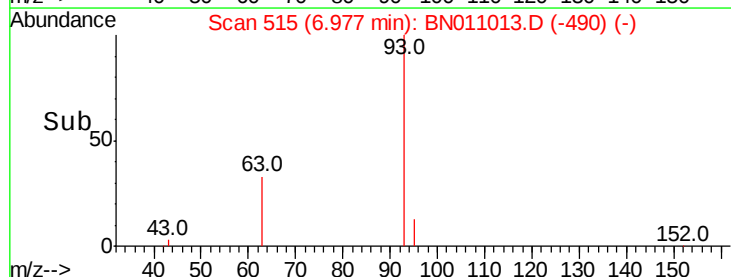
1000

500

0

6.90 6.95 7.00 7.05

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.28 min Scan# 836

Delta R.T. 0.00 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

Tot Ion:136 Resp: 9569

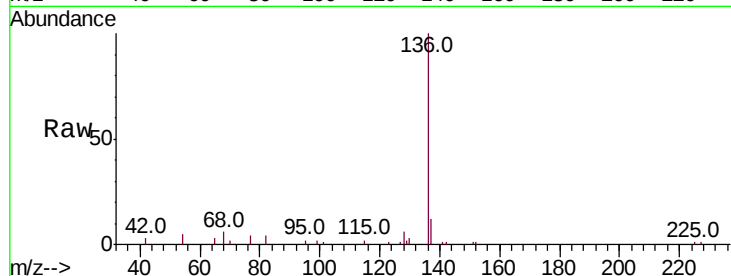
Ion Ratio Lower Upper

136 100

137 11.6 9.7 14.5

54 4.6 4.9 7.3#

68 5.9 4.7 7.1

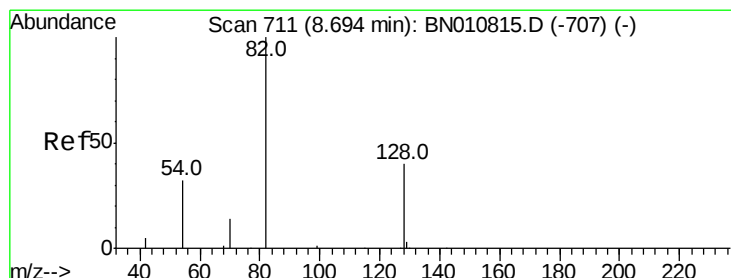
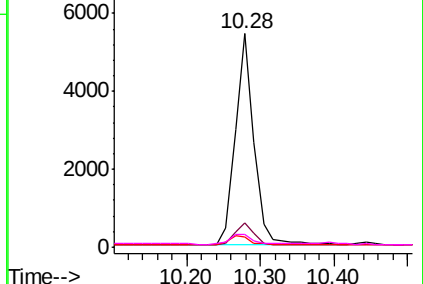
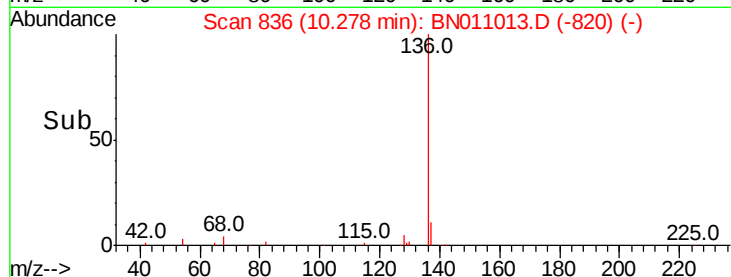


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.467 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.00 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

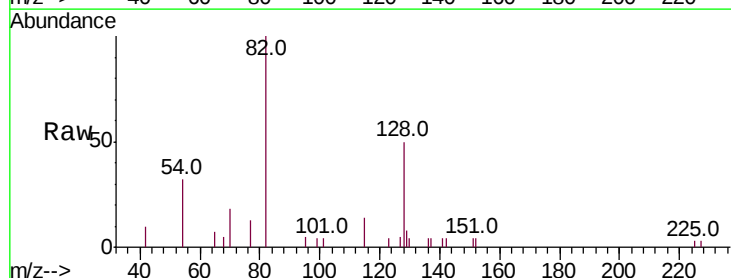
Tgt Ion: 82 Resp: 3307

Ion Ratio Lower Upper

82 100

128 49.6 35.4 53.0

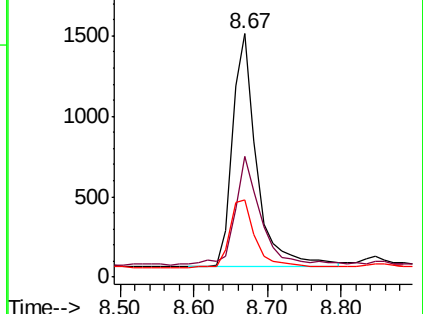
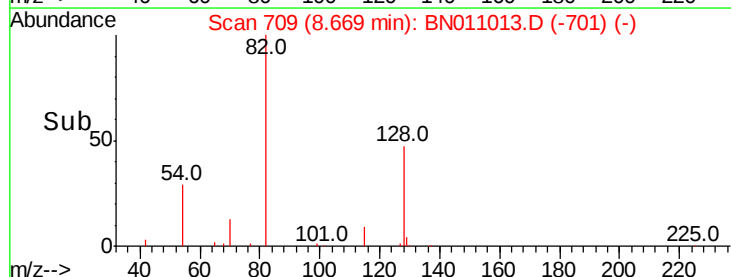
54 31.6 28.2 42.4



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





#9

Naphthalene

Concen: 0.020 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.00 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

Instrument :

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SS043MW100-200615

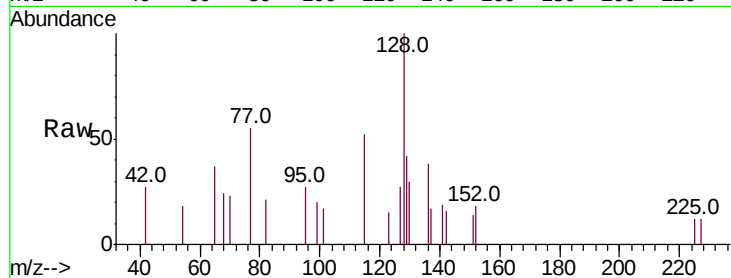
Tot Ion:128 Resp: 481

Ion Ratio Lower Upper

128 100

129 41.8 9.6 14.4#

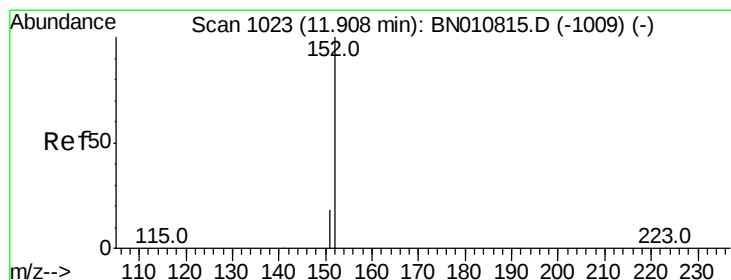
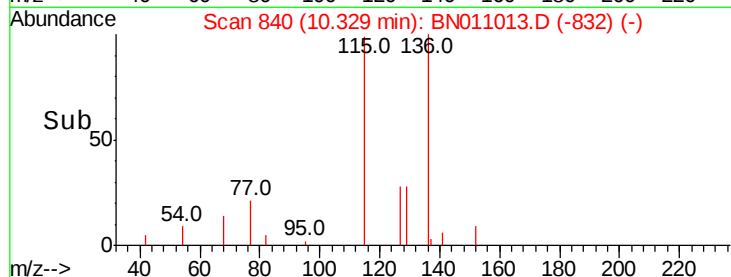
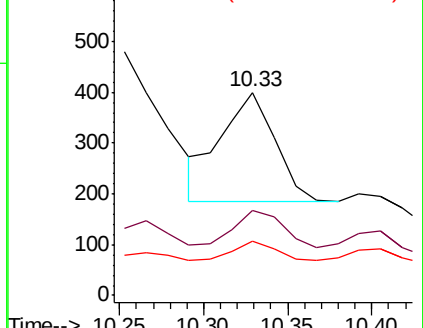
127 26.5 11.4 17.2#



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: 0.344 ng

RT: 11.87 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BN011013.D

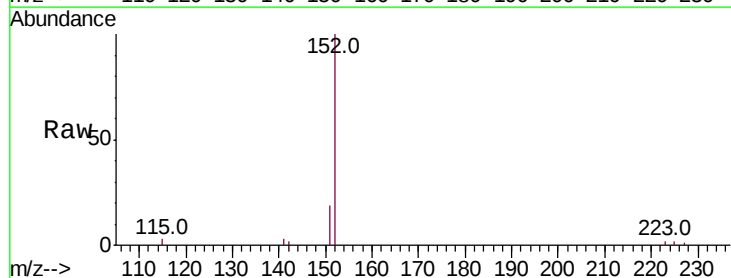
Acq: 22 Jun 2020 17:28

Tgt Ion:152 Resp: 5108

Ion Ratio Lower Upper

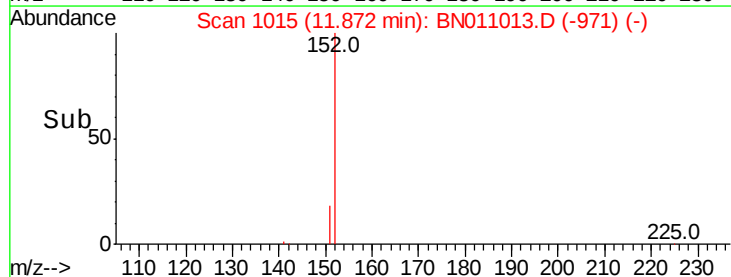
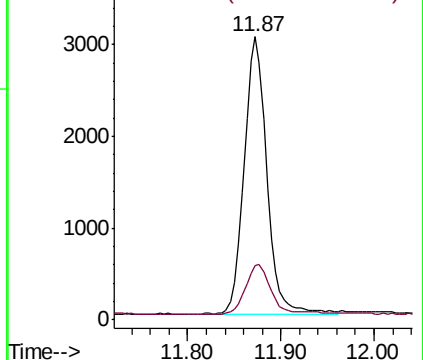
152 100

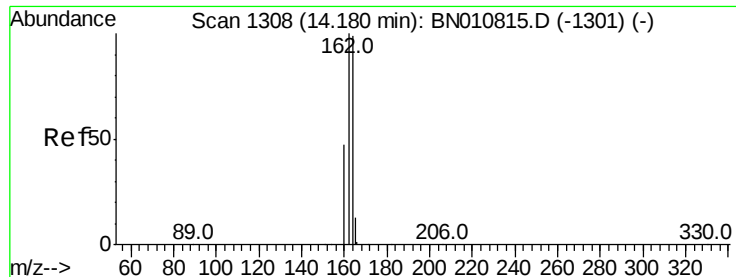
151 20.9 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.15 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

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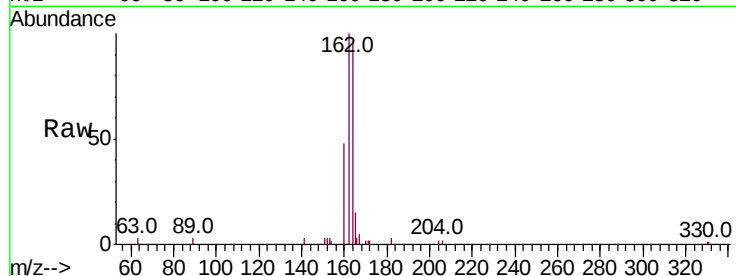
Tot Ion:164 Resp: 5340

Ion Ratio Lower Upper

164 100

162 104.2 81.0 121.6

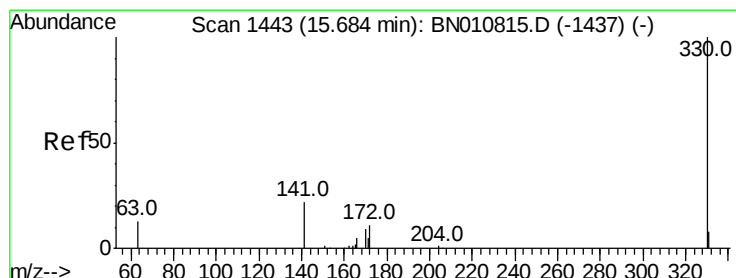
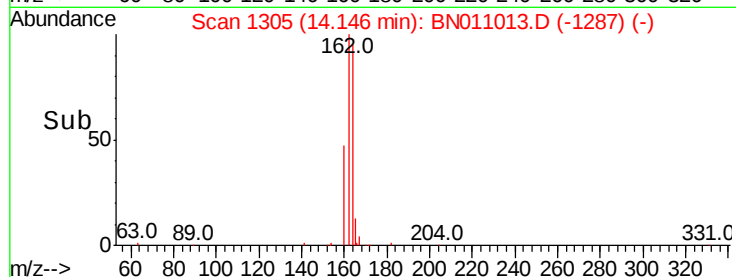
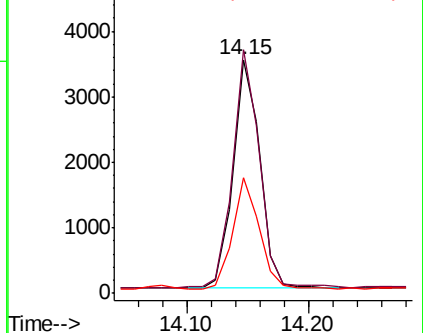
160 49.6 38.9 58.3



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



#14

2,4,6-Tribromophenol

Concen: 0.476 ng

RT: 15.65 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

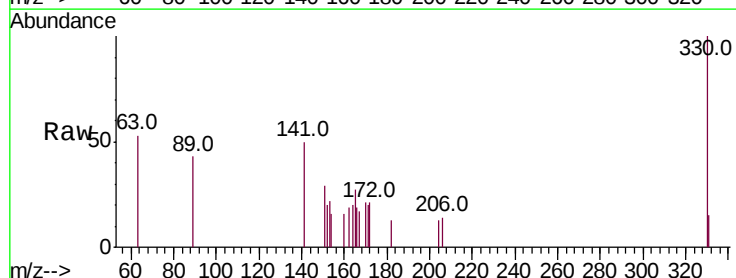
Tgt Ion:330 Resp: 909

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

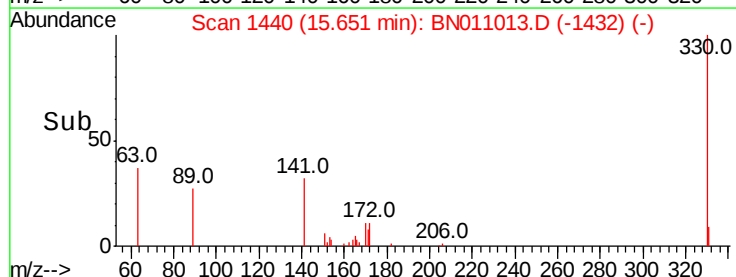
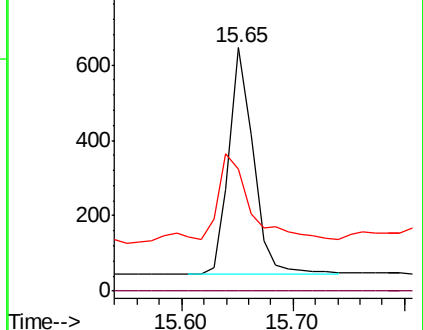
141 49.6 33.2 49.8

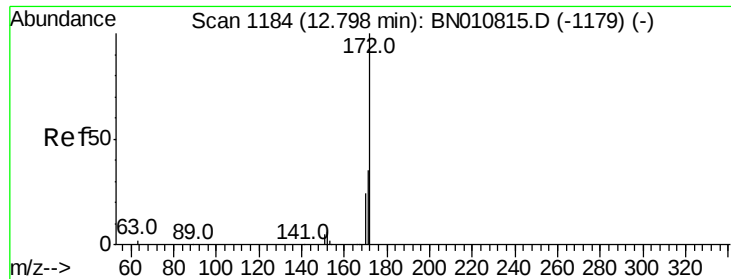


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

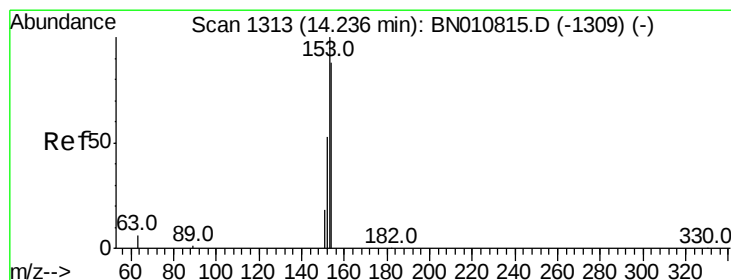
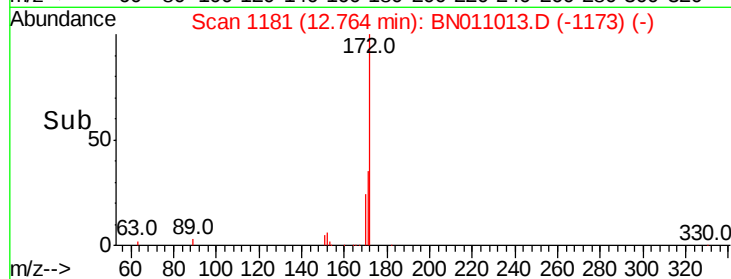
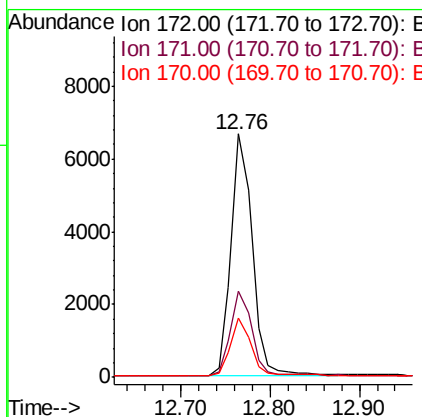
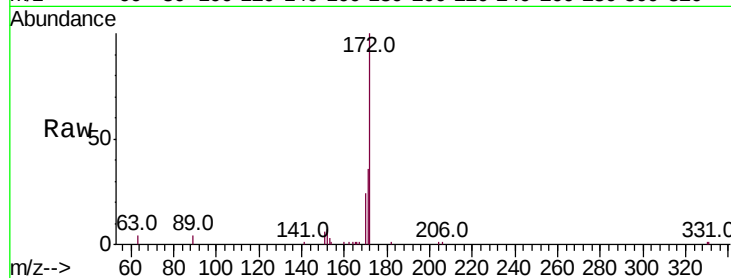




#15
2-Fluorobiphenyl
Concen: 0.522 ng
RT: 12.76 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BN011013.D
Acq: 22 Jun 2020 17:28

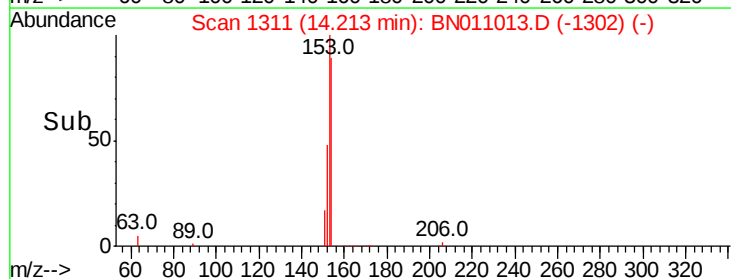
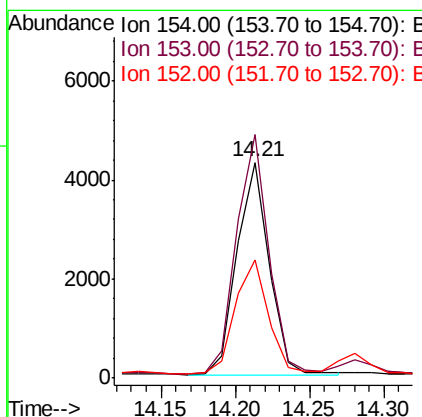
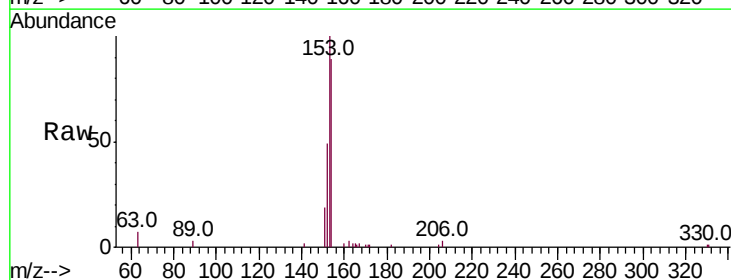
Instrument :
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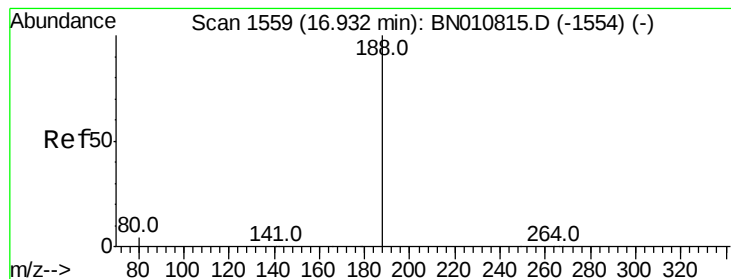
Tot Ion:172 Resp: 10993
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 24.1 19.7 29.5



#17
Acenaphthene
Concen: 0.430 ng
RT: 14.21 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BN011013.D
Acq: 22 Jun 2020 17:28

Tgt Ion:154 Resp: 6419
Ion Ratio Lower Upper
154 100
153 112.8 91.8 137.6
152 55.6 47.6 71.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.90 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

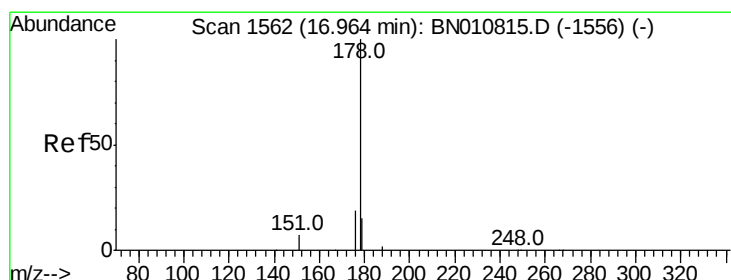
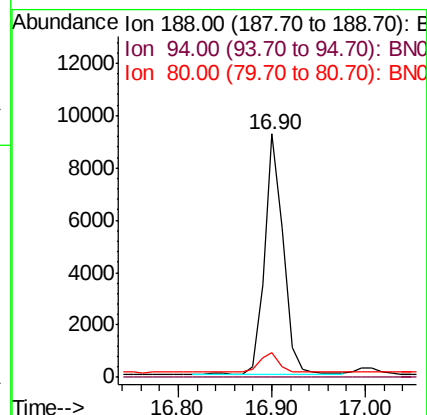
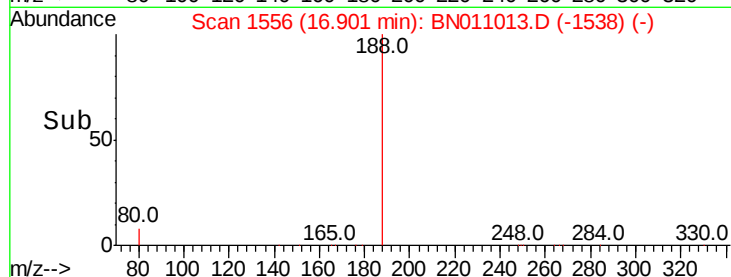
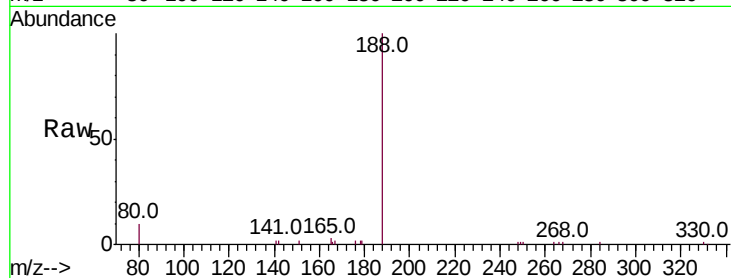
Tot Ion:188 Resp: 13036

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.0 4.5 6.7#



#23

Phenanthrene

Concen: 0.025 ng

RT: 16.94 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

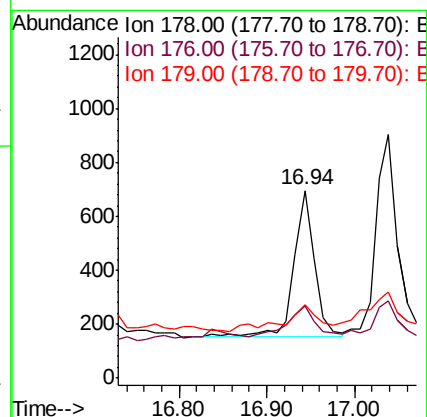
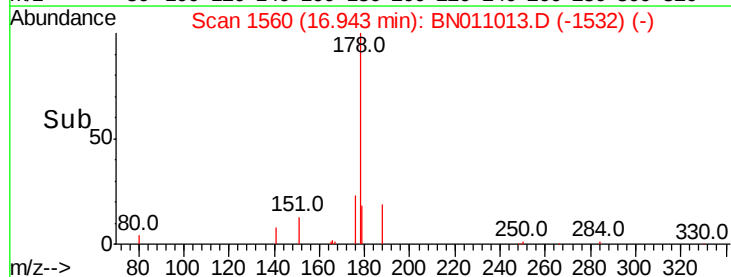
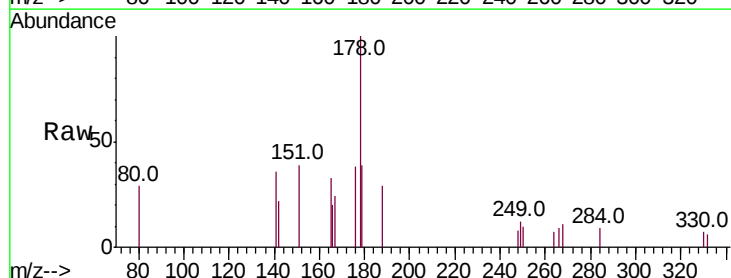
Tgt Ion:178 Resp: 899

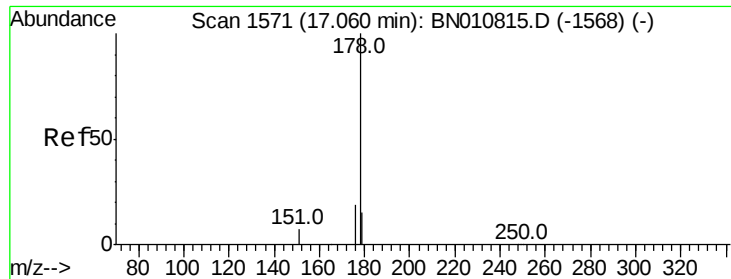
Ion Ratio Lower Upper

178 100

176 28.7 15.3 22.9#

179 30.0 12.6 19.0#





#24

Anthracene

Concen: 0.042 ng

RT: 17.04 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

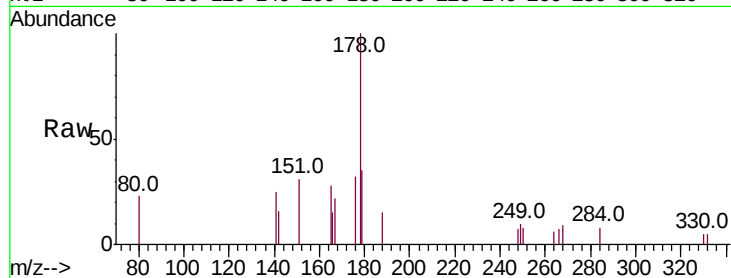
Tot Ion:178 Resp: 1250

Ion Ratio Lower Upper

178 100

176 16.4 14.6 22.0

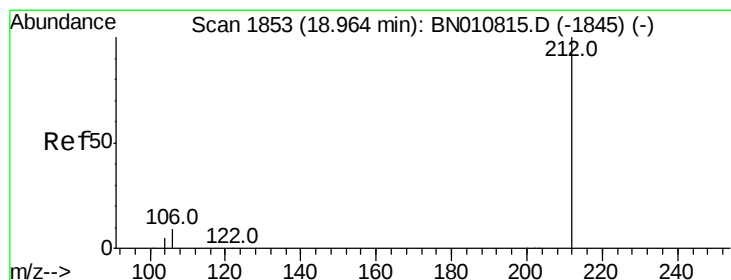
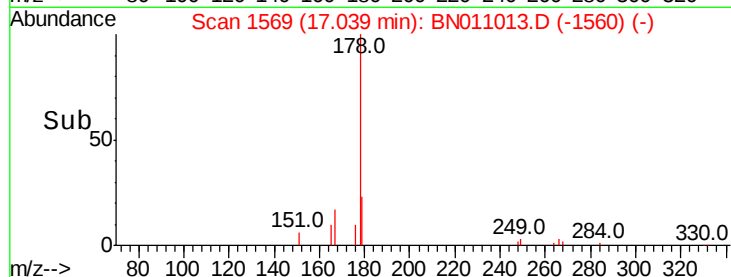
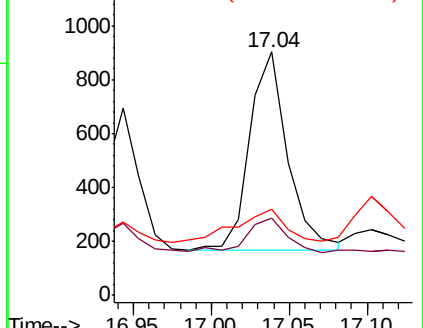
179 21.2 12.3 18.5#



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: 0.330 ng

RT: 18.94 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

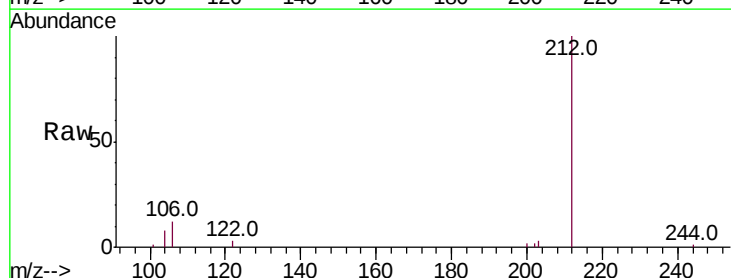
Tgt Ion:212 Resp: 11888

Ion Ratio Lower Upper

212 100

106 10.8 6.6 10.0#

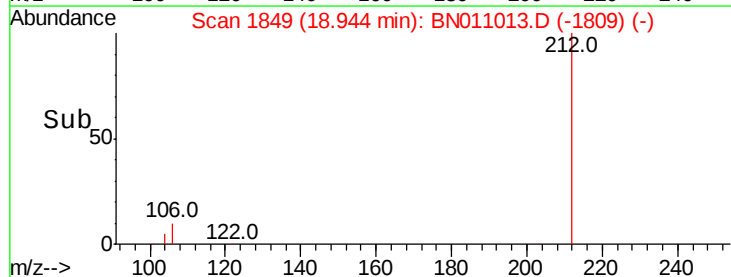
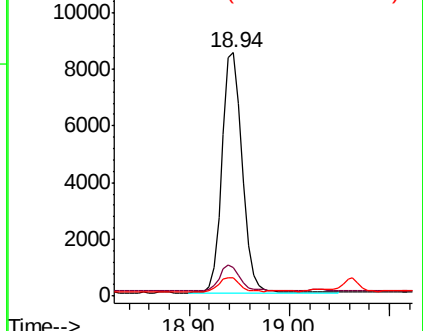
104 6.4 4.0 6.0#

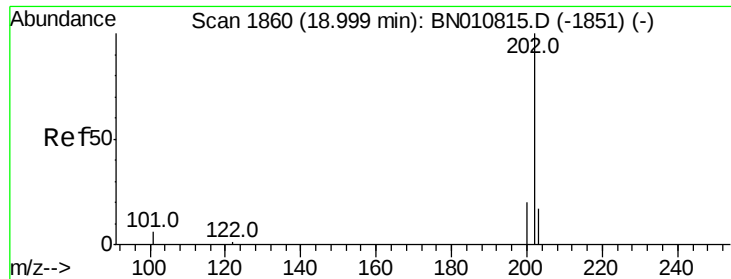


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.027 ng

RT: 18.97 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

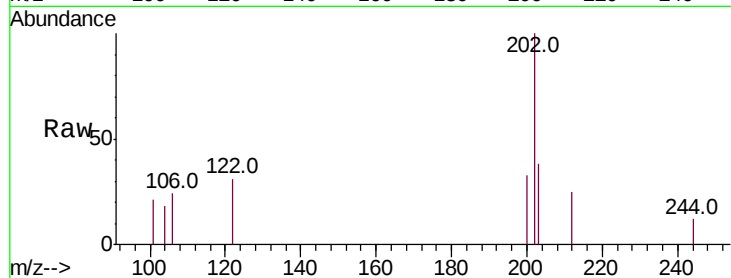
Tot Ion:202 Resp: 1090

Ion Ratio Lower Upper

202 100

101 0.0 5.8 8.6#

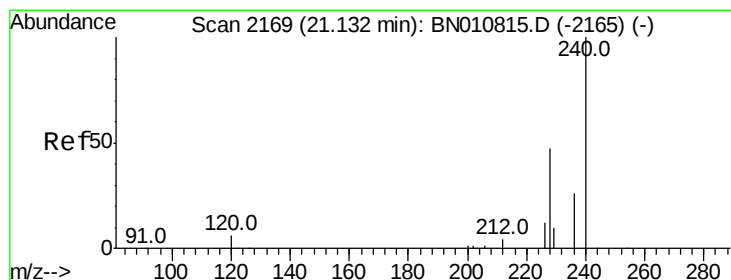
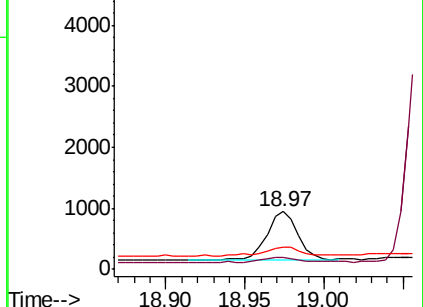
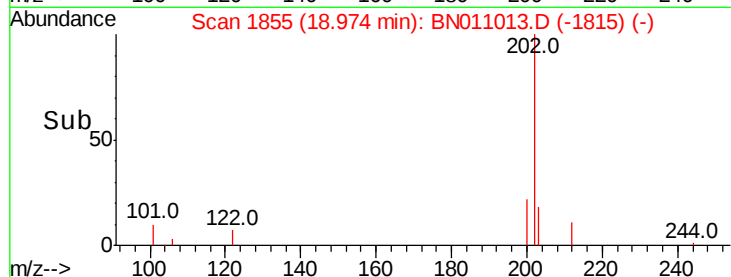
203 20.0 13.7 20.5



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: 21.11 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

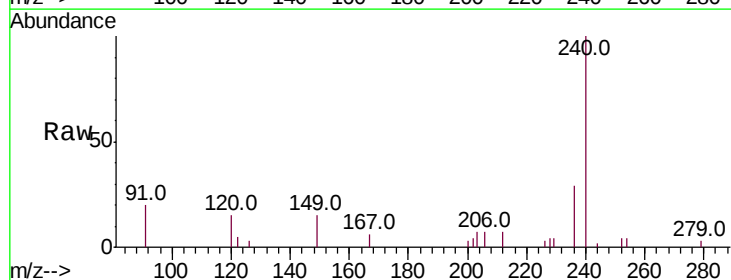
Tgt Ion:240 Resp: 10415

Ion Ratio Lower Upper

240 100

120 15.2 7.5 11.3#

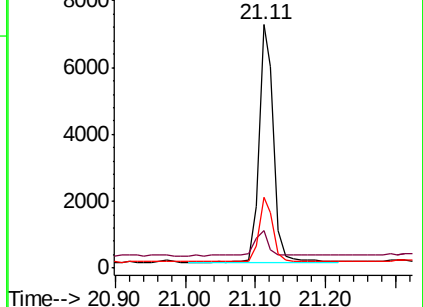
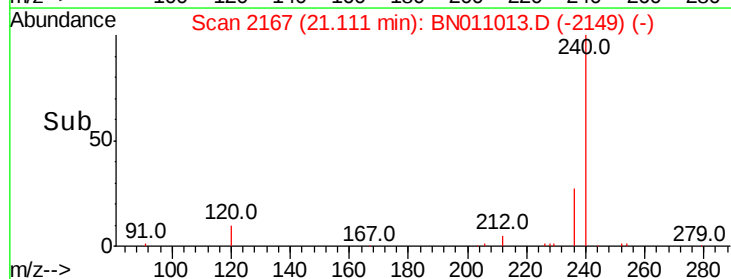
236 29.1 22.3 33.5

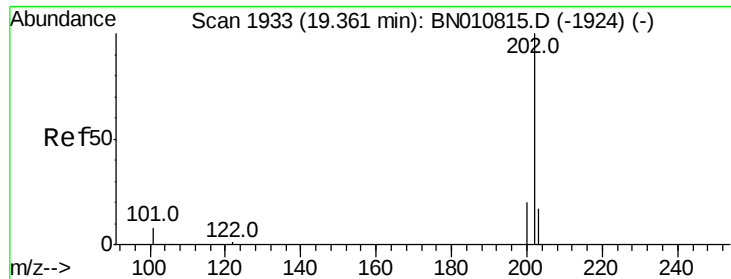


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

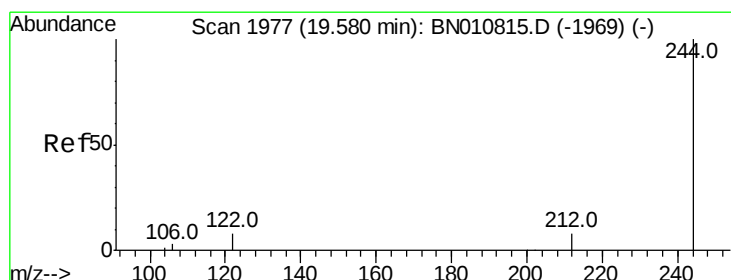
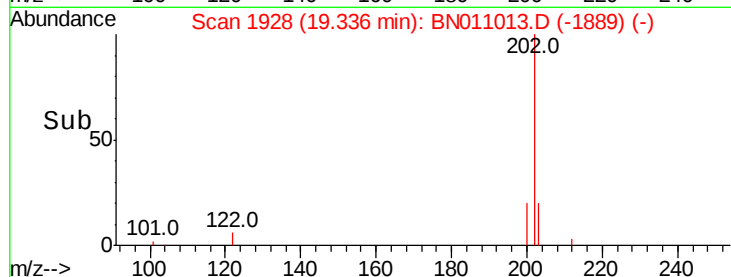
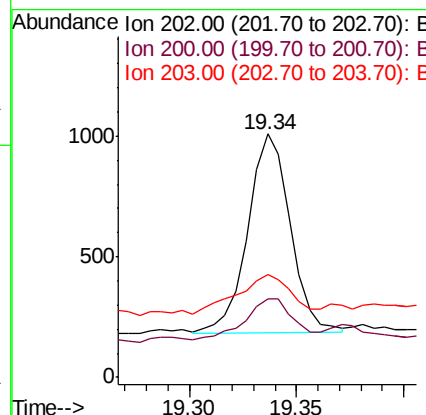
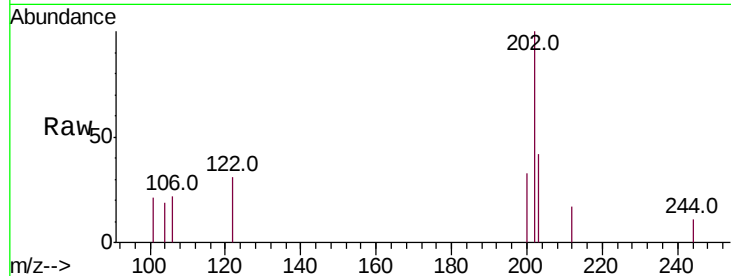




#28
Pvrene
Concen: 0.033 ng
RT: 19.34 min Scan# 1928
Delta R.T. -0.00 min
Lab File: BN011013.D
Acq: 22 Jun 2020 17:28

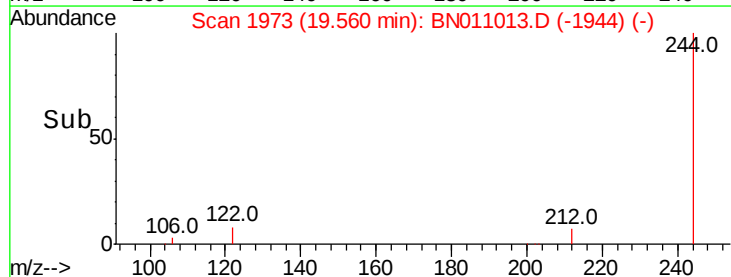
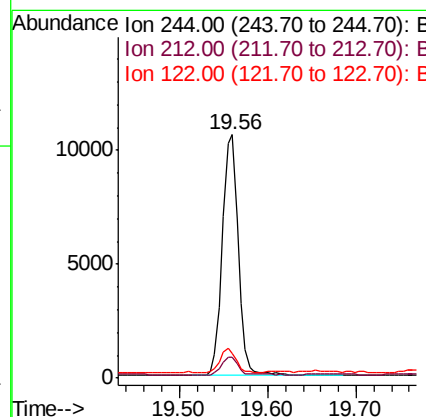
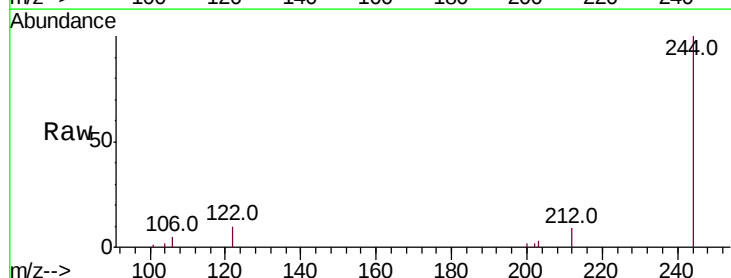
Instrument :
BNA_N
ClientSampleId :
SS043MW100-200615

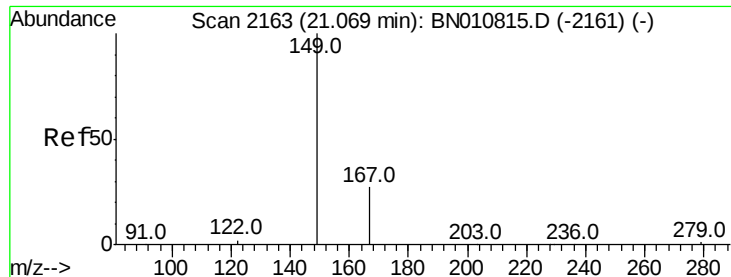
Tot Ion:202 Resp: 1131
Ion Ratio Lower Upper
202 100
200 23.9 16.4 24.6
203 24.2 14.2 21.4#



#29
Terphenyl-d14
Concen: 0.545 ng
RT: 19.56 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BN011013.D
Acq: 22 Jun 2020 17:28

Tgt Ion:244 Resp: 13290
Ion Ratio Lower Upper
244 100
212 8.8 7.4 11.2
122 10.2 7.5 11.3





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.410 ng

RT: 21.06 min Scan# 2162

Delta R.T. 0.00 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

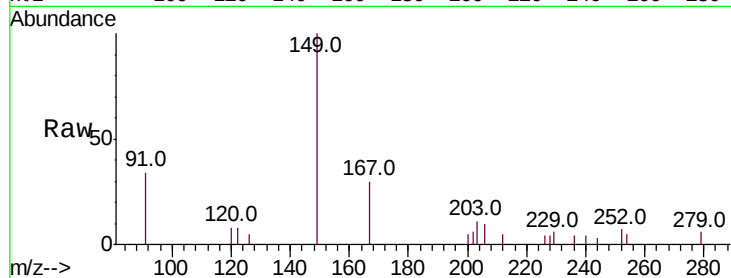
Tot Ion:149 Resp: 4181

Ion Ratio Lower Upper

149 100

167 27.6 24.1 36.1

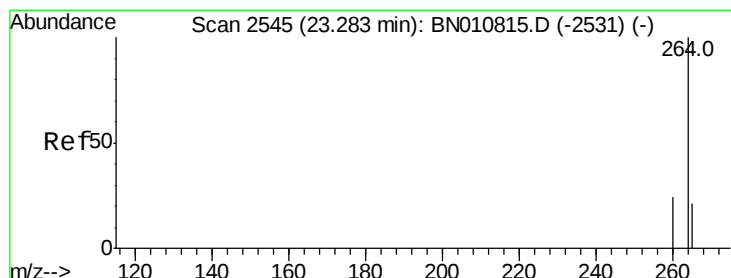
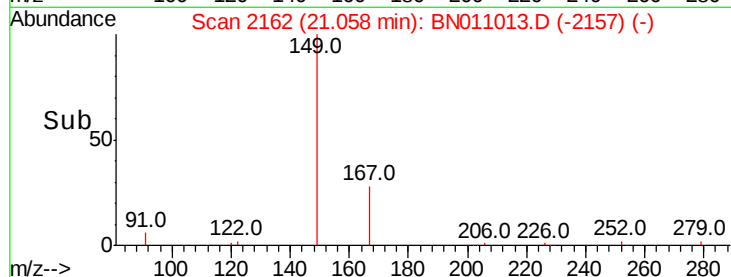
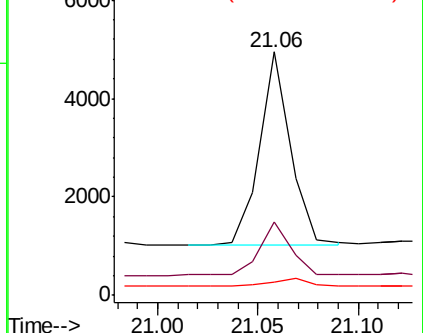
279 5.5 4.6 7.0



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: 23.26 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BN011013.D

Acq: 22 Jun 2020 17:28

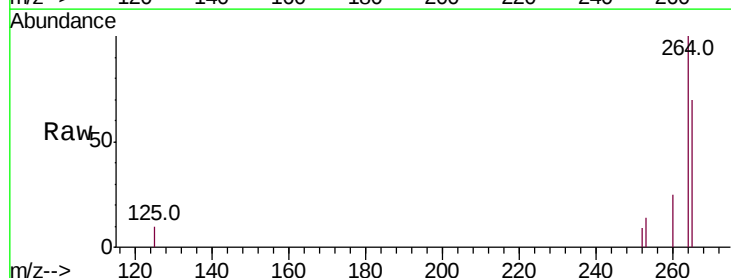
Tgt Ion:264 Resp: 11197

Ion Ratio Lower Upper

264 100

260 25.4 20.4 30.6

265 69.5 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

