

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062220\
 Data File : BN011011.D
 Acq On : 22 Jun 2020 16:15
 Operator : CG/JU
 Sample : L3033-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SS043MW011-200615

Quant Time: Jun 22 17:30:52 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	2584	0.40	ng	0.00
7) Naphthalene-d8	10.28	136	8818	0.40	ng	0.00
13) Acenaphthene-d10	14.15	164	5149	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	10590	0.40	ng	-0.01
27) Chrysene-d12	21.11	240	10064	0.40	ng	0.00
34) Perylene-d12	23.26	264	11420	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	848	0.17	ng	0.00
5) Phenol-d6	6.73	99	405	0.07	ng	0.00
8) Nitrobenzene-d5	8.66	82	2276	0.35	ng	-0.01
11) 2-Methylnaphthalene-d10	11.87	152	3244	0.24	ng	0.00
14) 2,4,6-Tribromophenol	15.66	330	598	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.77	172	5720	0.28	ng	0.00
25) Fluoranthene-d10	18.94	212	8561	0.29	ng	0.00
29) Terphenyl-d14	19.56	244	8482	0.36	ng	0.00

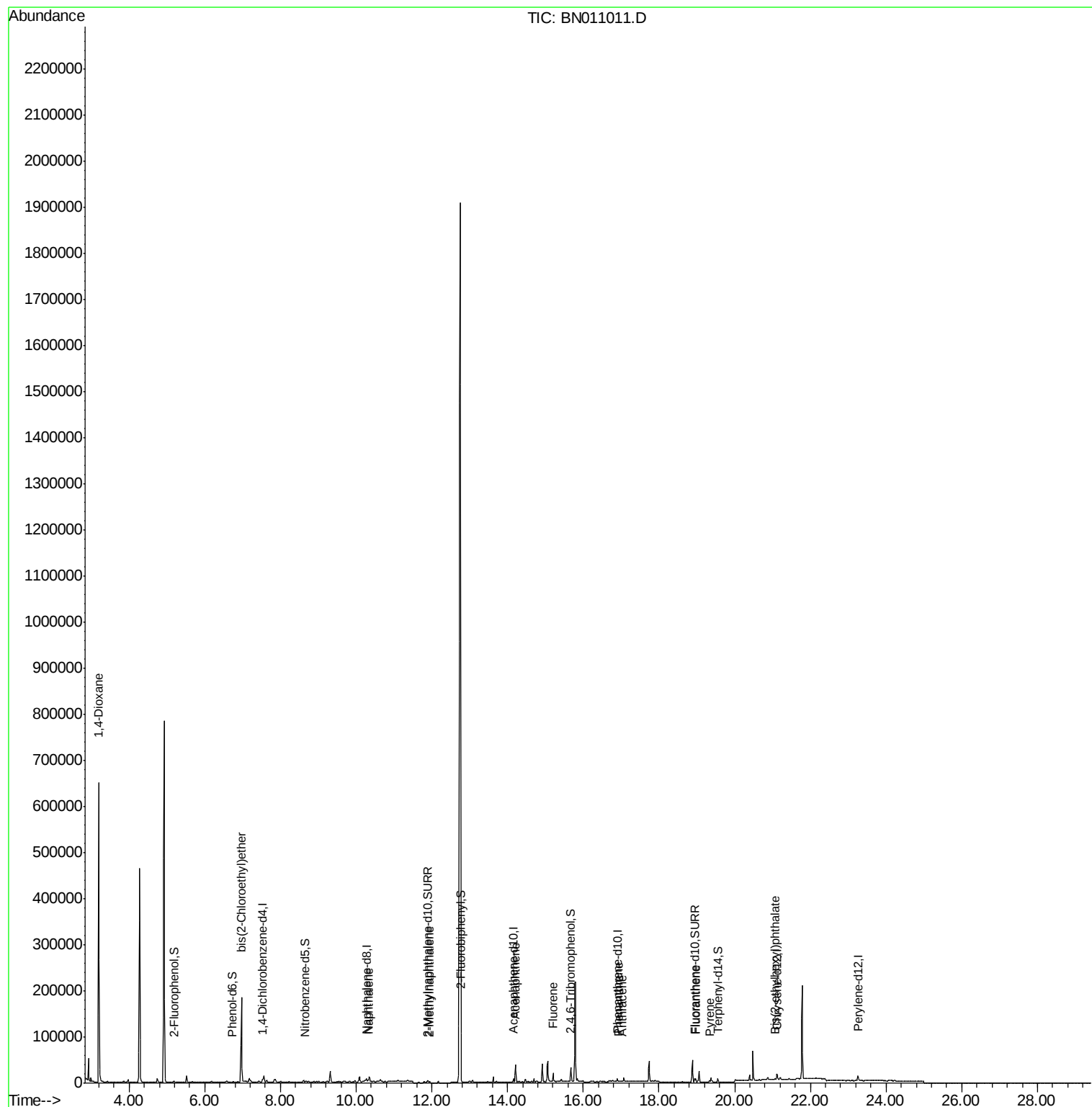
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	499815	197.474	ng	98
6) bis(2-Chloroethyl)ether	6.97	93	148520	25.923	ng	97
9) Naphthalene	10.33	128	3951	0.178	ng	# 90
12) 2-Methylnaphthalene	11.94	142	1580	0.107	ng	# 85
17) Acenaphthene	14.21	154	18899	1.314	ng	97
18) Fluorene	15.21	166	12893	0.695	ng	99
23) Phenanthrene	16.94	178	1556	0.054	ng	# 87
24) Anthracene	17.03	178	1558	0.065	ng	# 84
26) Fluoranthene	18.97	202	6084	0.185	ng	# 93
28) Pyrene	19.34	202	3822	0.115	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.06	149	1620	0.164	ng	# 90

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

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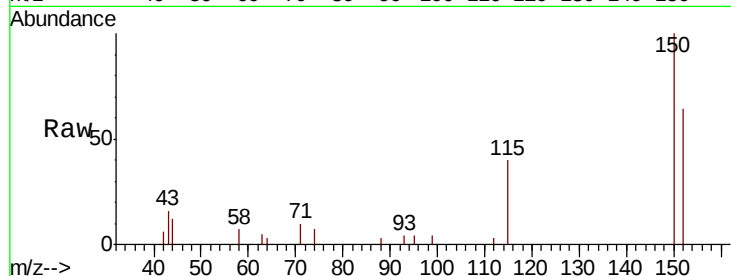


#1

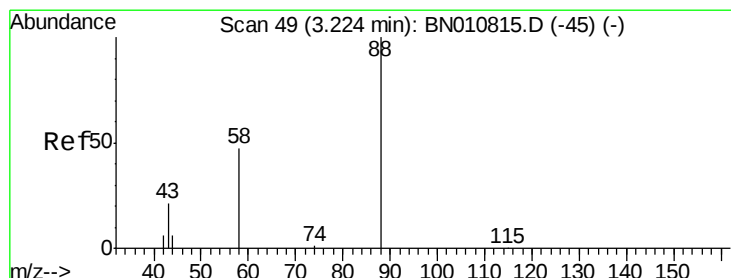
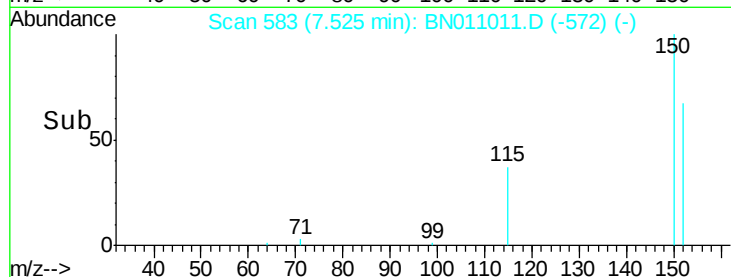
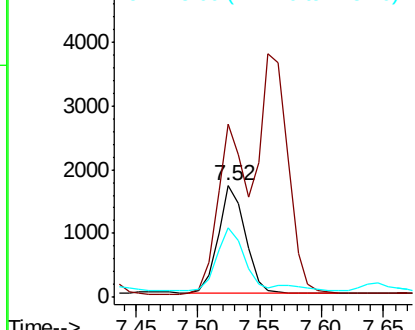
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BN011011.D
Acq: 22 Jun 2020 16:15

Instrument :
BNA_N
ClientSampleId :
SS043MW011-200615

Tot Ion:152 Resp: 2584
Ion Ratio Lower Upper
152 100
150 156.0 123.8 185.6
115 63.0 49.2 73.8



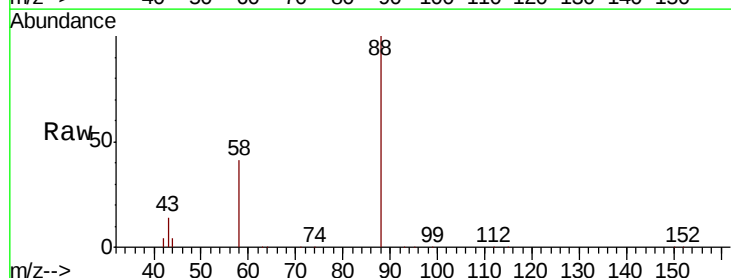
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



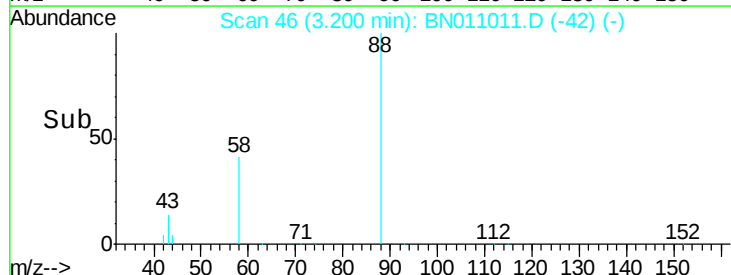
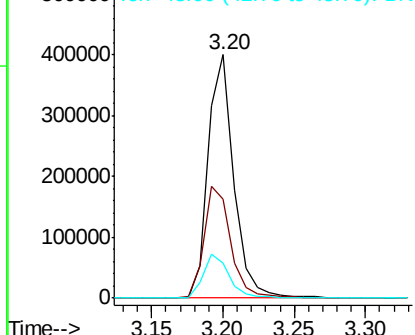
#2

1,4-Dioxane
Concen: 197.474 ng
RT: 3.20 min Scan# 46
Delta R.T. -0.02 min
Lab File: BN011011.D
Acq: 22 Jun 2020 16:15

Tgt Ion: 88 Resp: 499815
Ion Ratio Lower Upper
88 100
58 47.0 38.2 57.4
43 17.6 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





#4

2-Fluorophenol

Concen: 0.170 ng

RT: 5.18 min Scan# 292

Delta R.T. 0.00 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

Instrument :

BNA_N

ClientSampleId :

SS043MW011-200615

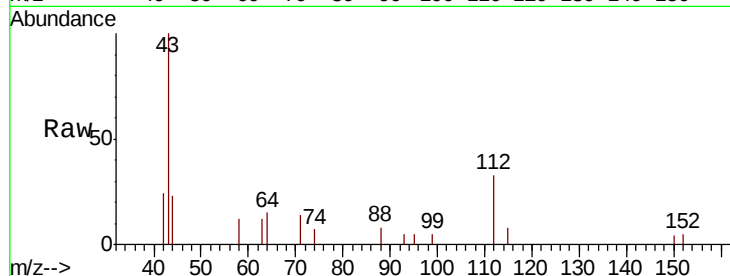
Tot Ion: 112 Resp: 848

Ion Ratio Lower Upper

112 100

64 31.3 37.4 56.0#

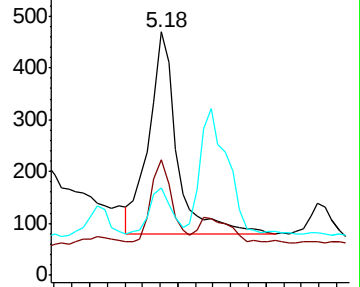
63 18.3 22.2 33.4#



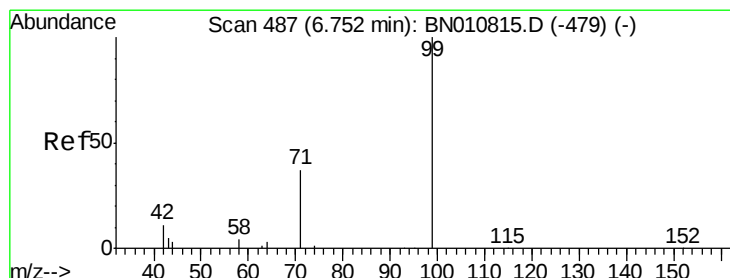
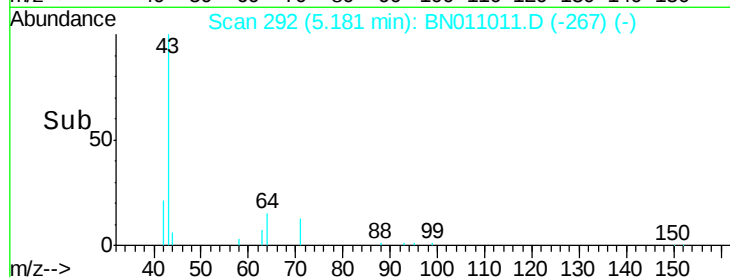
Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



Time-->



#5

Phenol-d6

Concen: 0.069 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.00 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

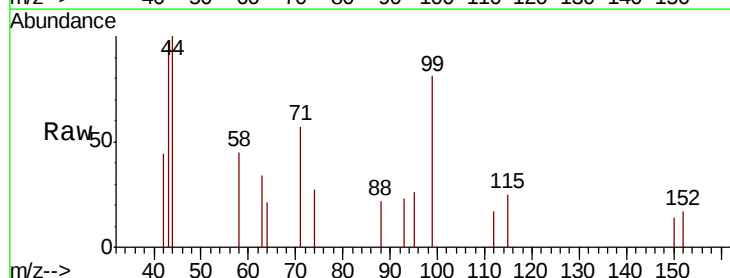
Tgt Ion: 99 Resp: 405

Ion Ratio Lower Upper

99 100

42 26.4 11.1 16.7#

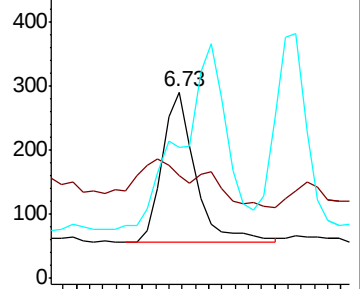
71 0.0 31.4 47.2#



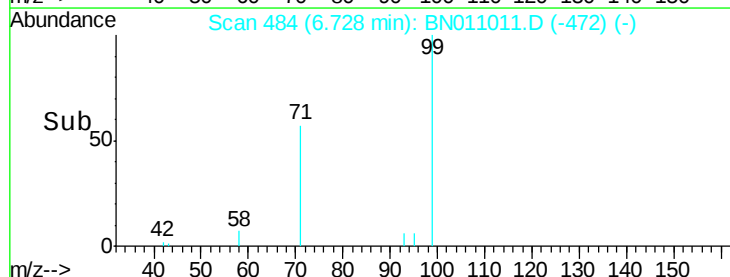
Abundance Ion 99.00 (98.70 to 99.70): BNC

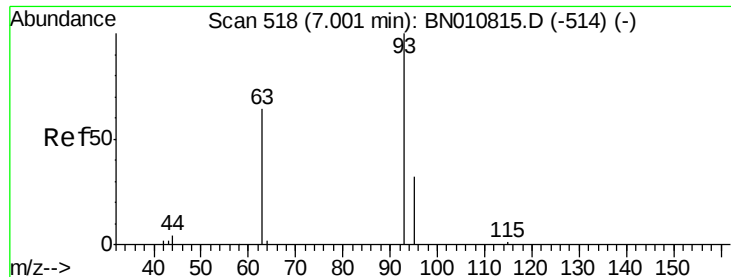
Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC



Time-->





#6

bis(2-Chloroethyl)ether

Concen: 25.923 ng

RT: 6.97 min Scan# 514

Delta R.T. -0.01 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

Instrument :

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SS043MW011-200615

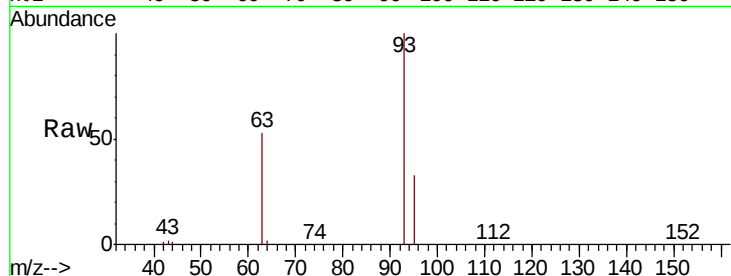
Tot Ion: 93 Resp: 148520

Ion Ratio Lower Upper

93 100

63 58.7 49.4 74.2

95 33.3 26.7 40.1

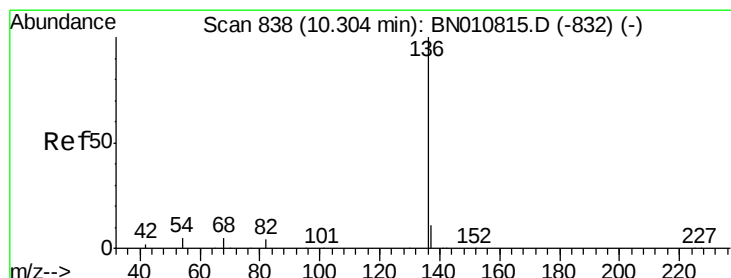
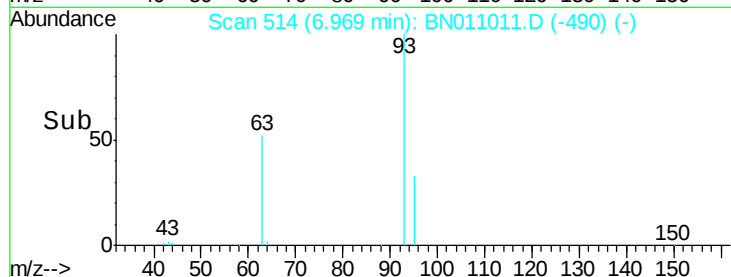
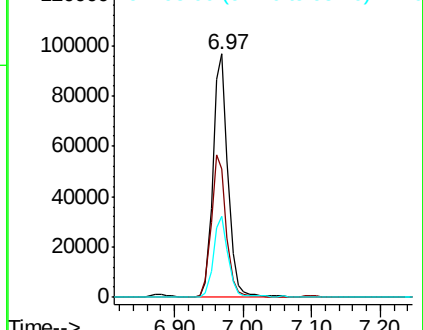


Abundance

Ion 93.00 (92.70 to 93.70): BN0

Ion 63.00 (62.70 to 63.70): BN0

Ion 95.00 (94.70 to 95.70): BN0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.28 min Scan# 836

Delta R.T. 0.00 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

Tgt Ion: 136 Resp: 8818

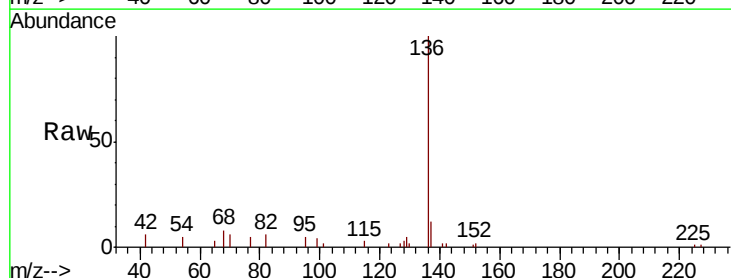
Ion Ratio Lower Upper

136 100

137 12.3 9.7 14.5

54 5.2 4.9 7.3

68 8.2 4.7 7.1#



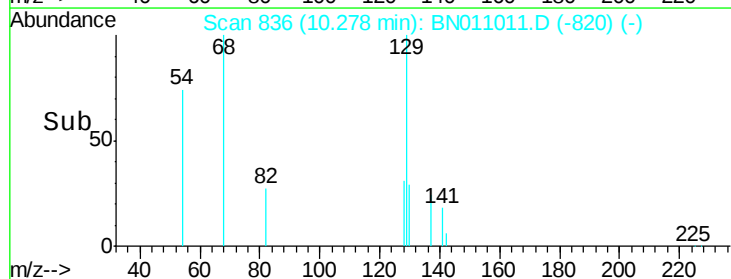
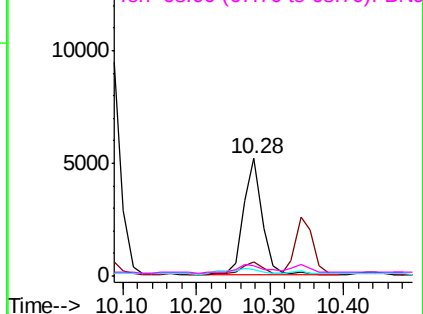
Abundance

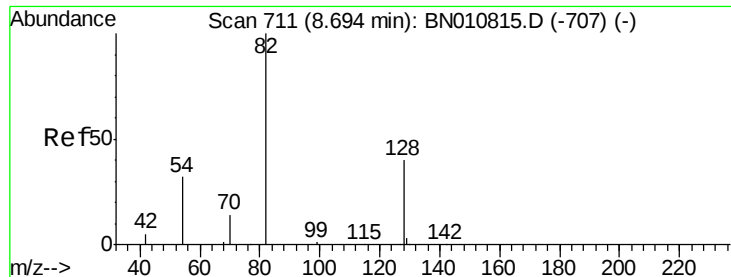
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BN0

Ion 68.00 (67.70 to 68.70): BN0





#8

Nitrobenzene-d5

Concen: 0.349 ng

RT: 8.66 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

Instrument :

BNA_N

ClientSampleId :

SS043MW011-200615

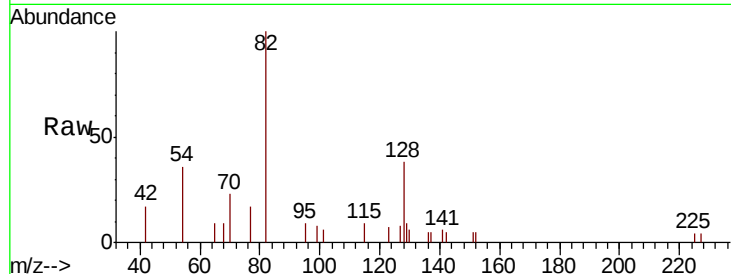
Tot Ion: 82 Resp: 2276

Ion Ratio Lower Upper

82 100

128 38.0 35.4 53.0

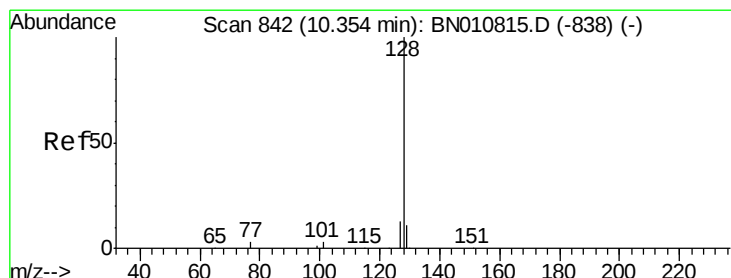
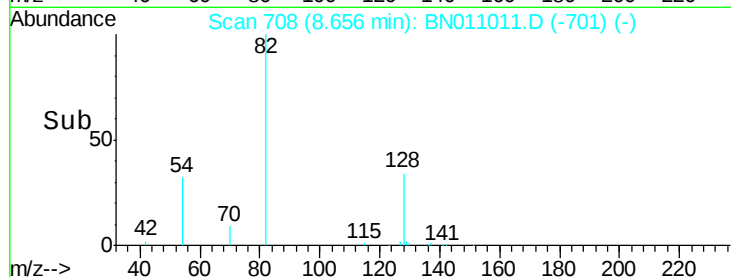
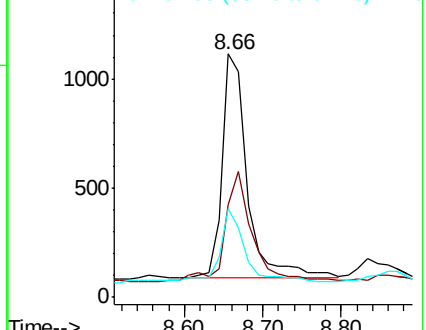
54 36.4 28.2 42.4



Abundance Ion 82.00 (81.70 to 82.70): BN011011.D (-701) (-)

Ion 128.00 (127.70 to 128.70): BN011011.D (-701) (-)

Ion 54.00 (53.70 to 54.70): BN011011.D (-701) (-)



#9

Naphthalene

Concen: 0.178 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.00 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

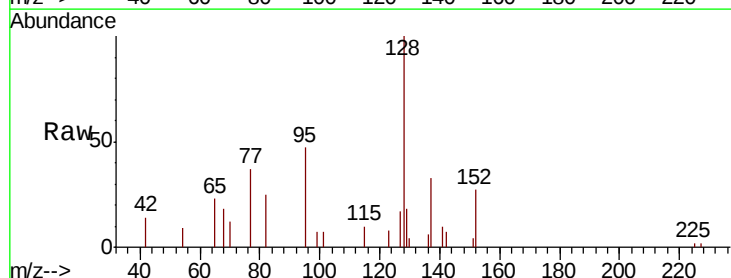
Tgt Ion:128 Resp: 3951

Ion Ratio Lower Upper

128 100

129 17.7 9.6 14.4#

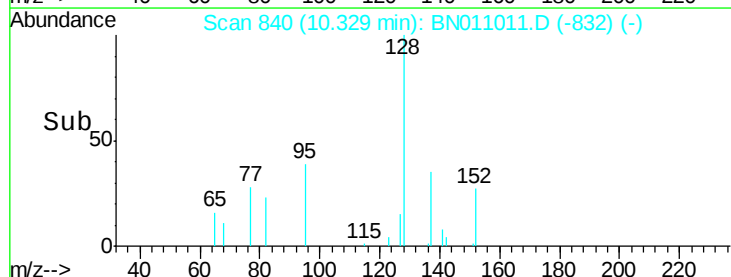
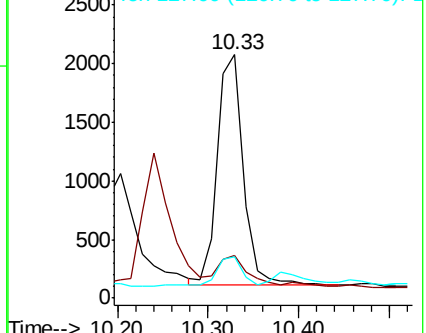
127 16.9 11.4 17.2

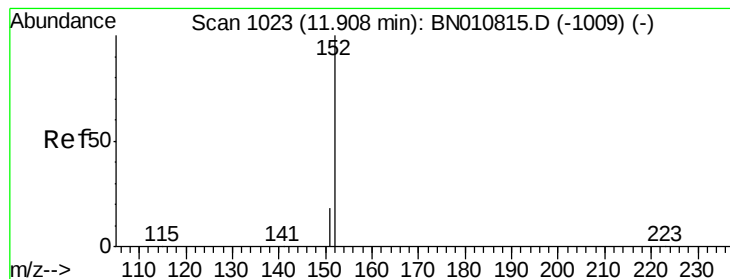


Abundance Ion 128.00 (127.70 to 128.70): BN011011.D (-832) (-)

Ion 129.00 (128.70 to 129.70): BN011011.D (-832) (-)

Ion 127.00 (126.70 to 127.70): BN011011.D (-832) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.237 ng

RT: 11.87 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

Instrument :

BNA_N

ClientSampleId :

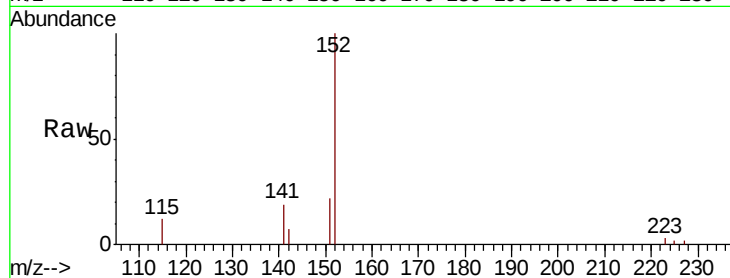
SS043MW011-200615

Tot Ion:152 Resp: 3244

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

11.87

2000

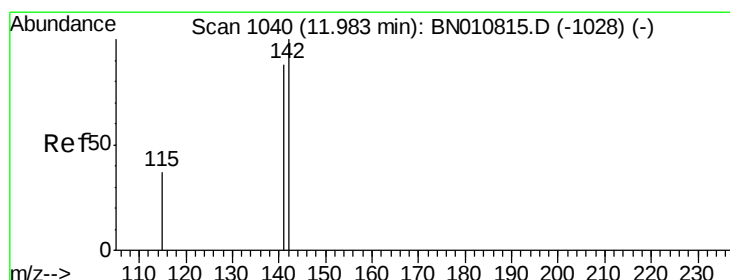
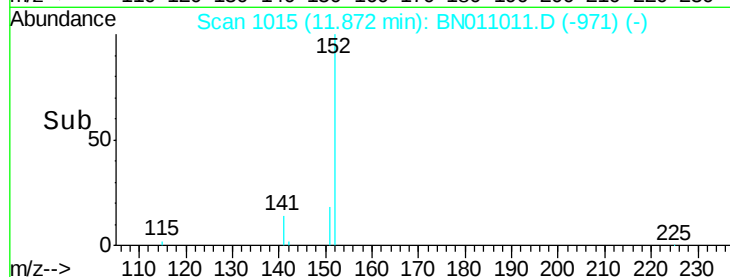
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.107 ng

RT: 11.94 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

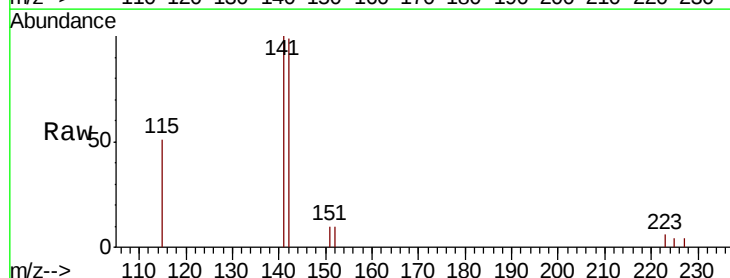
Tgt Ion:142 Resp: 1580

Ion Ratio Lower Upper

142 100

141 101.4 70.8 106.2

115 51.2 31.5 47.3#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

5000

4000

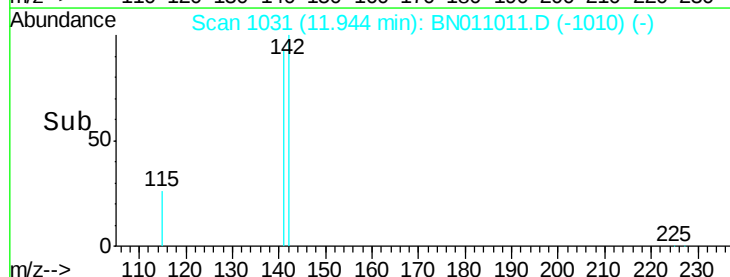
3000

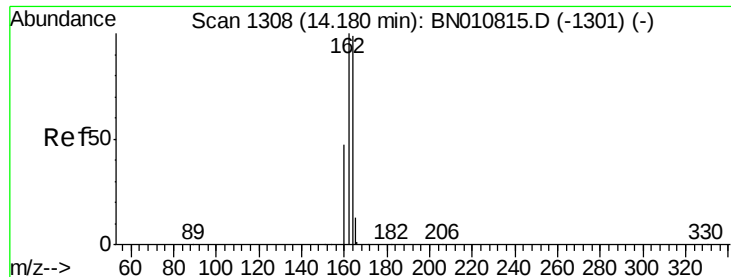
2000

1000

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.15 min Scan# 1305

Delta R.T. 0.01 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

Instrument :

BNA_N

ClientSampleId :

SS043MW011-200615

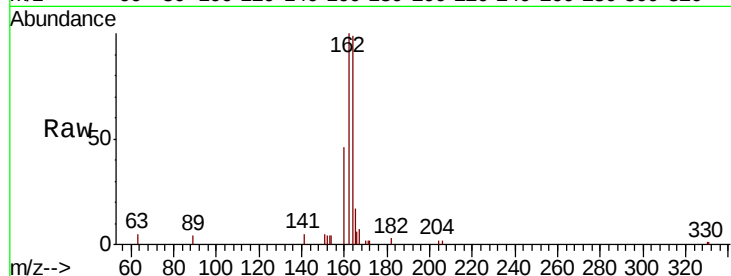
Tot Ion:164 Resp: 5149

Ion Ratio Lower Upper

164 100

162 100.7 81.0 121.6

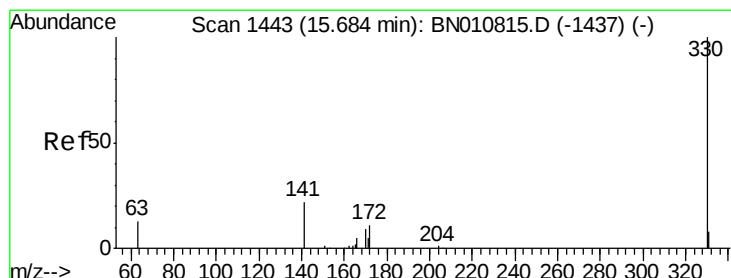
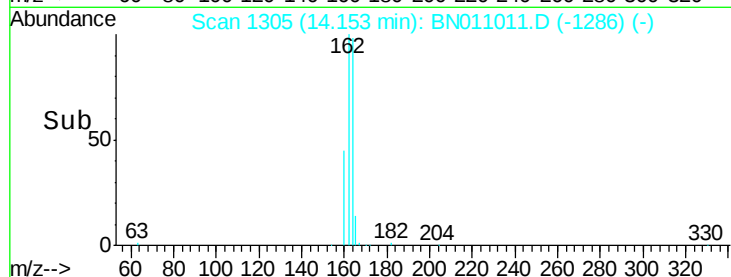
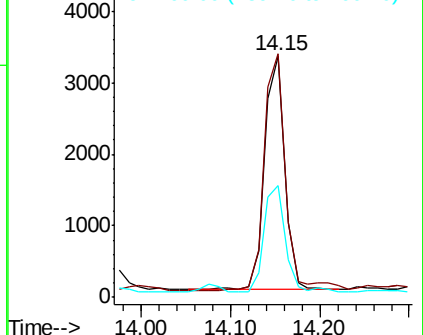
160 46.5 38.9 58.3



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: 0.325 ng

RT: 15.66 min Scan# 1440

Delta R.T. -0.00 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

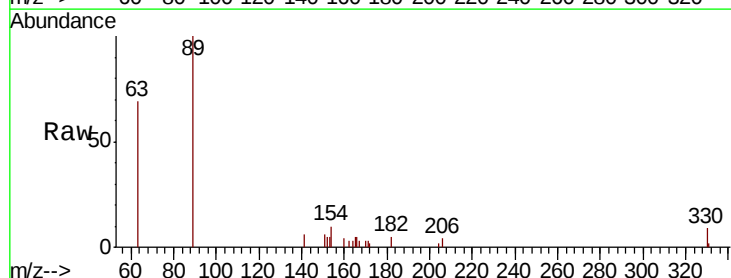
Tgt Ion:330 Resp: 598

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

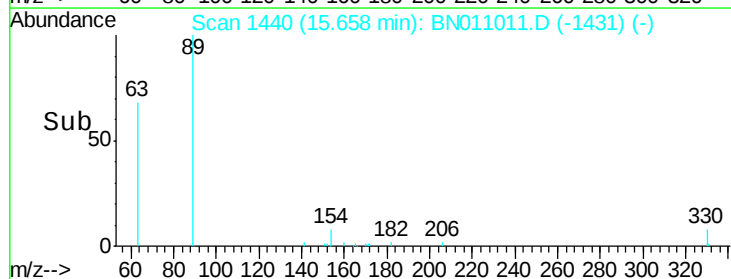
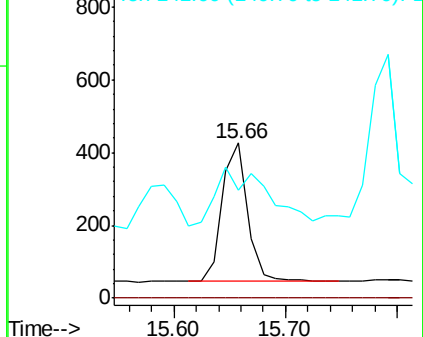
141 87.1 33.2 49.8#

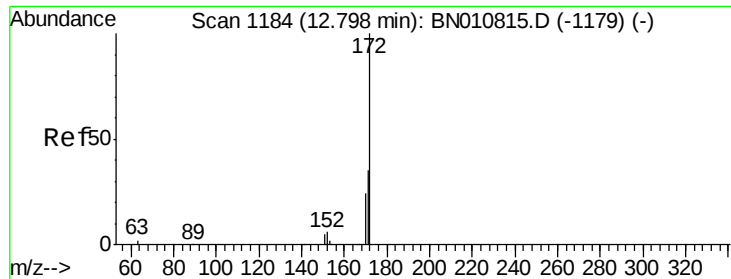


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

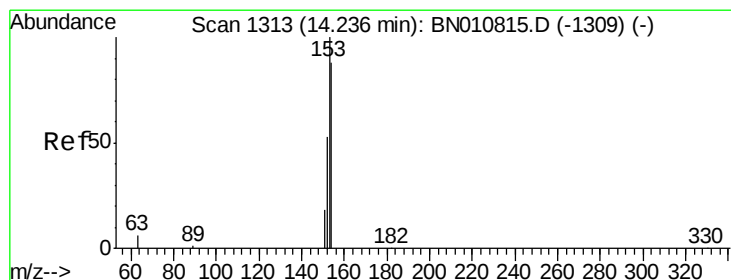
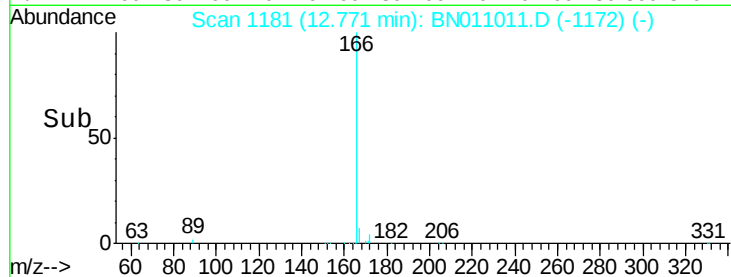
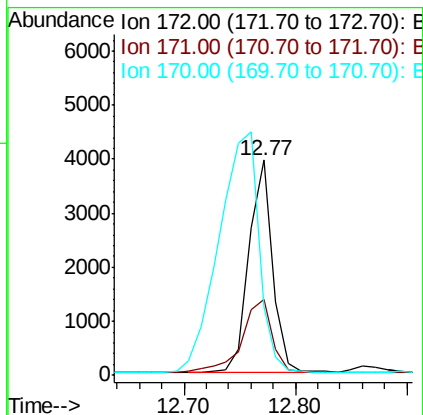
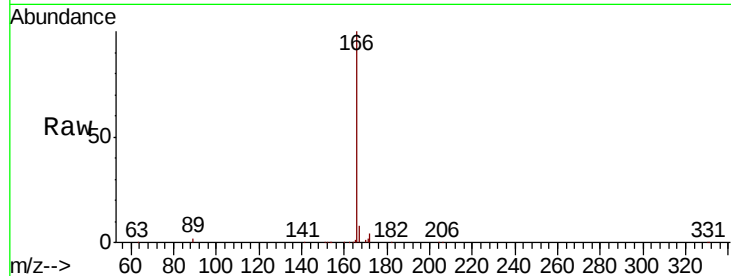




#15
2-Fluorobiphenyl
Concen: 0.282 ng
RT: 12.77 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BN011011.D
Acq: 22 Jun 2020 16:15

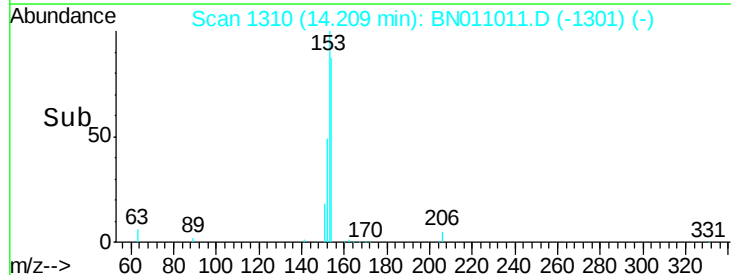
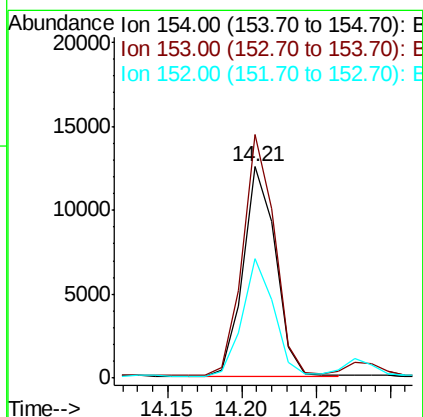
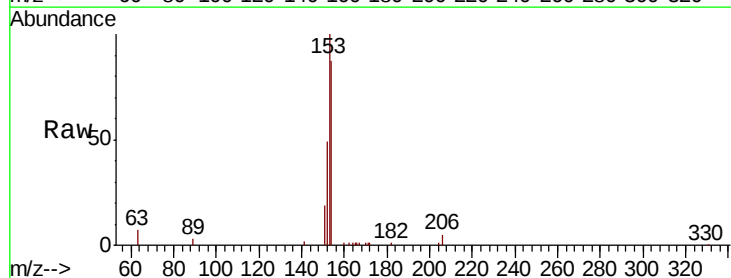
Instrument :
BNA_N
ClientSampleId :
SS043MW011-200615

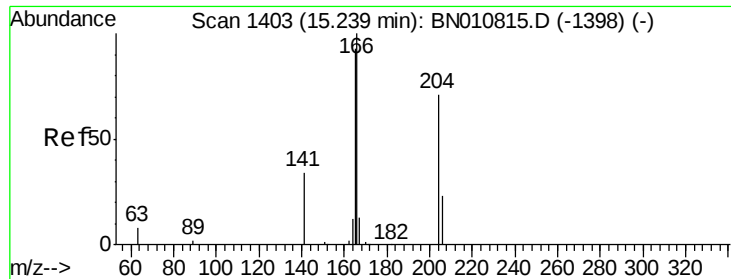
Tot Ion:172 Resp: 5720
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 32.0 19.7 29.5#



#17
Acenaphthene
Concen: 1.314 ng
RT: 14.21 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN011011.D
Acq: 22 Jun 2020 16:15

Tgt Ion:154 Resp: 18899
Ion Ratio Lower Upper
154 100
153 113.2 91.8 137.6
152 54.3 47.6 71.4





#18

Fluorene

Concen: 0.695 ng

RT: 15.21 min Scan# 1400

Delta R.T. 0.01 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

Instrument :

BNA_N

ClientSampleId :

SS043MW011-200615

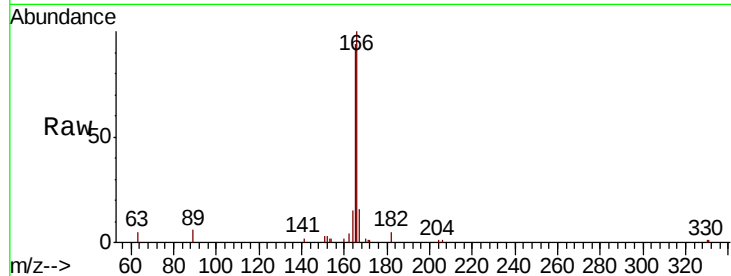
Tot Ion:166 Resp: 12893

Ion Ratio Lower Upper

166 100

165 97.5 77.2 115.8

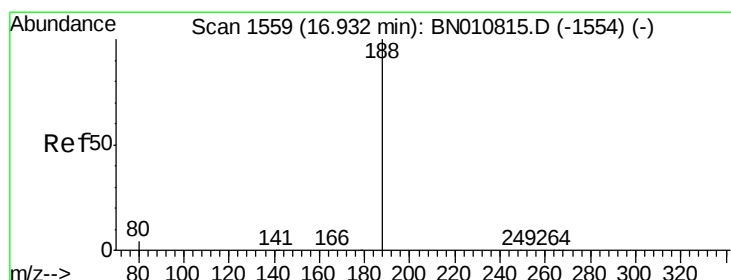
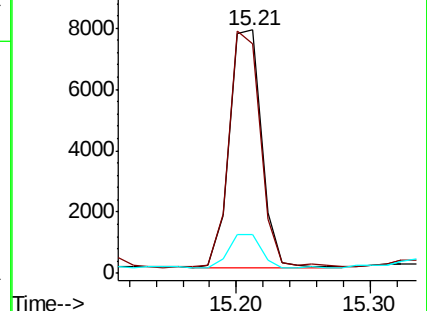
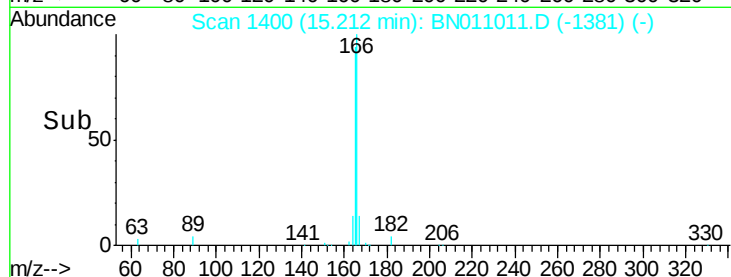
167 13.6 10.7 16.1



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: 16.90 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

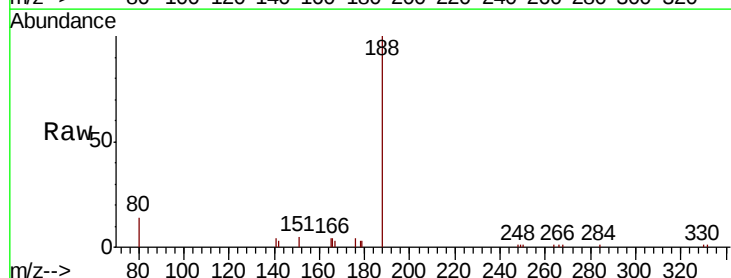
Tgt Ion:188 Resp: 10590

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

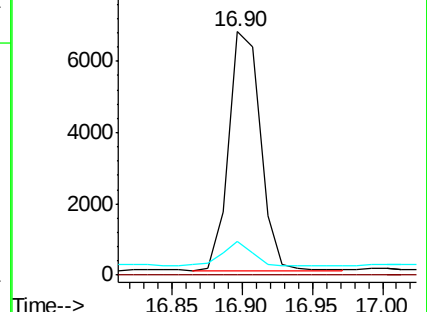
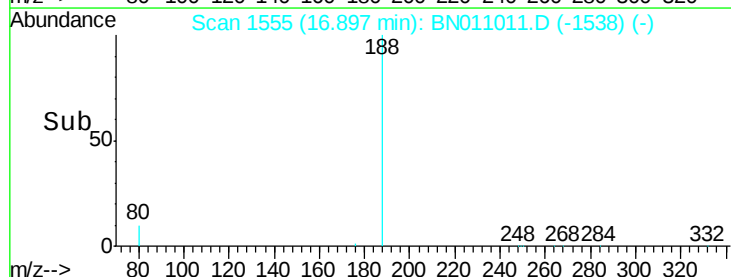
80 14.1 4.5 6.7#

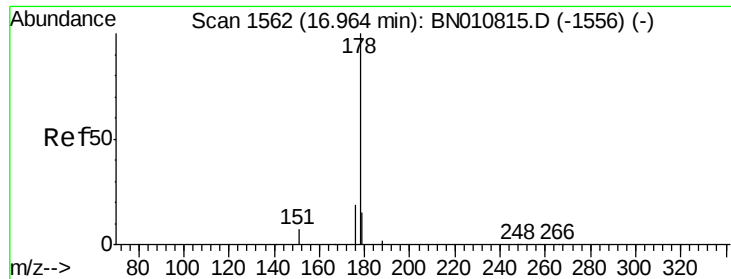


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.054 ng

RT: 16.94 min Scan# 1559

Delta R.T. -0.00 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

Instrument :

BNA_N

ClientSampleId :

SS043MW011-200615

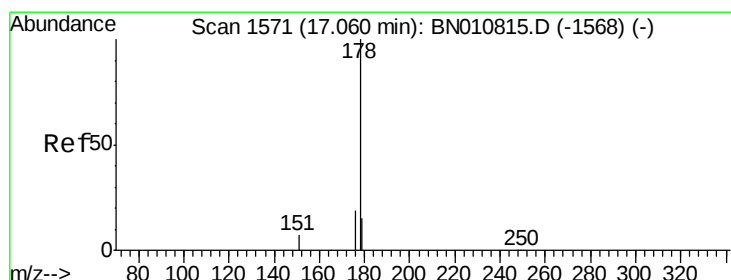
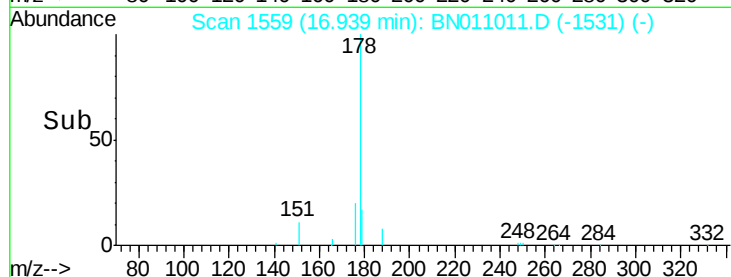
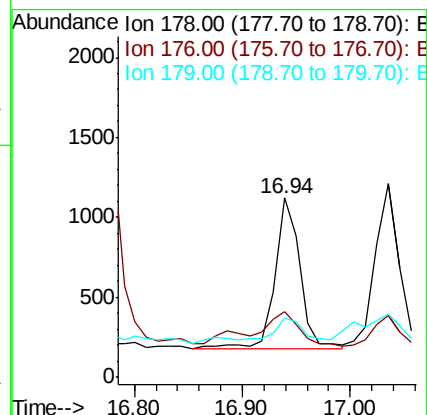
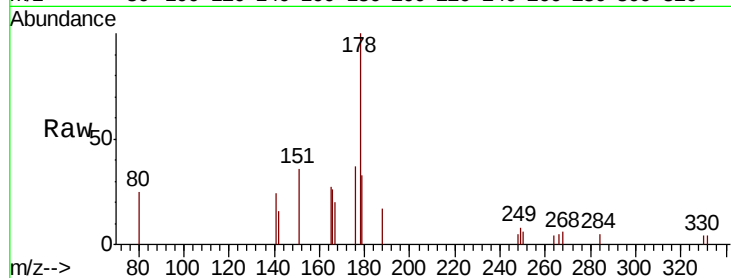
Tot Ion:178 Resp: 1556

Ion Ratio Lower Upper

178 100

176 28.9 15.3 22.9#

179 15.1 12.6 19.0



#24

Anthracene

Concen: 0.065 ng

RT: 17.03 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

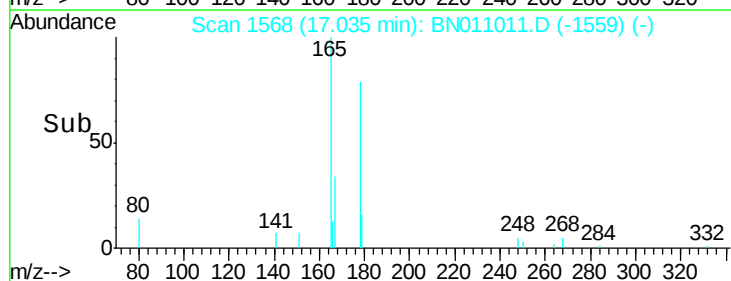
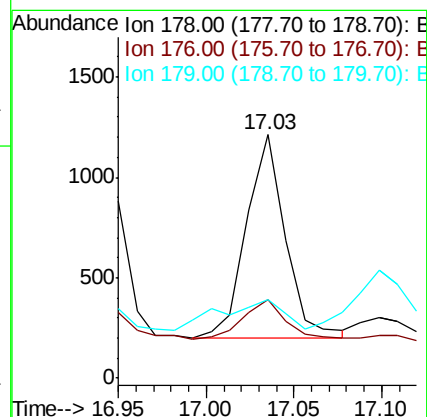
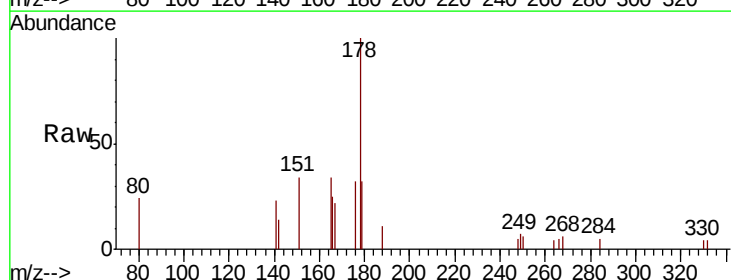
Tgt Ion:178 Resp: 1558

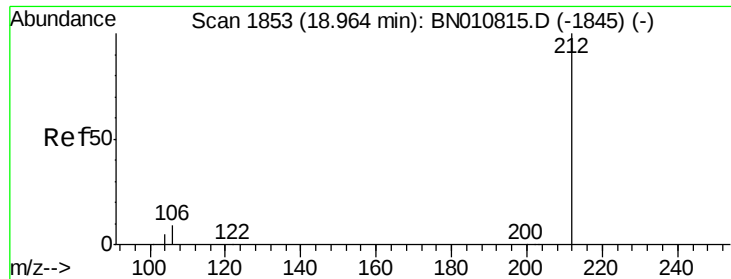
Ion Ratio Lower Upper

178 100

176 23.2 14.6 22.0#

179 24.6 12.3 18.5#





#25

Fluoranthene-d10

Concen: 0.293 ng

RT: 18.94 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

Instrument :

BNA_N

ClientSampleId :

SS043MW011-200615

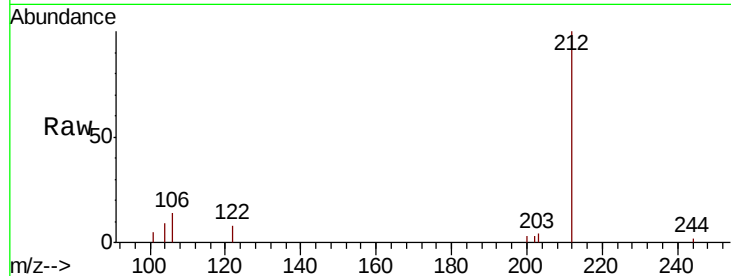
Tot Ion:212 Resp: 8561

Ion Ratio Lower Upper

212 100

106 10.8 6.6 10.0#

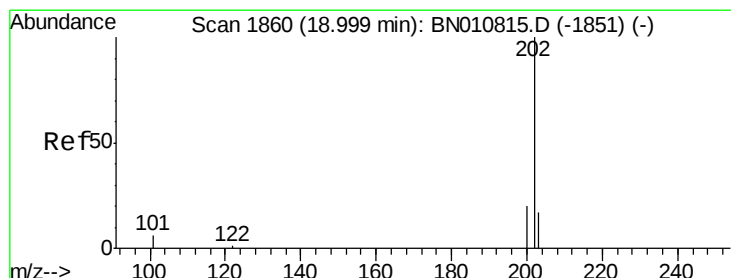
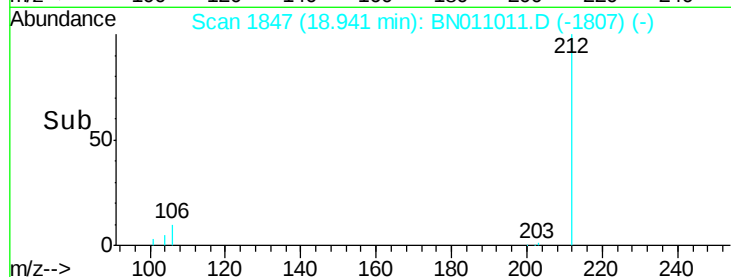
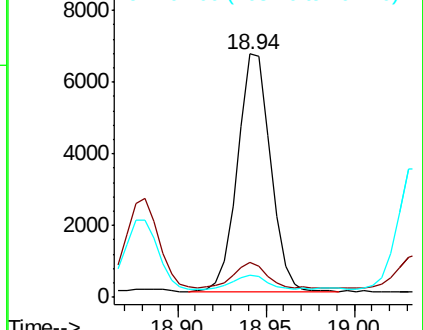
104 5.7 4.0 6.0



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: 0.185 ng

RT: 18.97 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

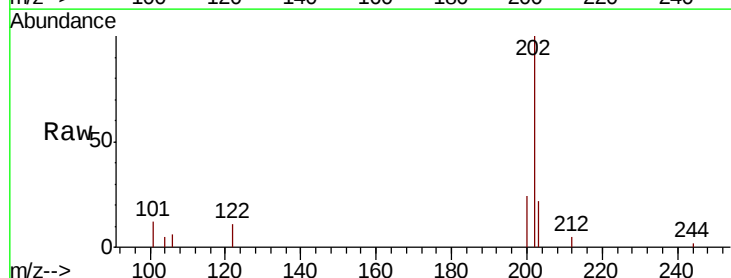
Tgt Ion:202 Resp: 6084

Ion Ratio Lower Upper

202 100

101 13.1 5.8 8.6#

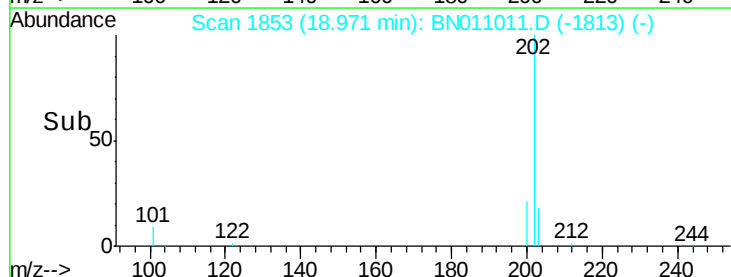
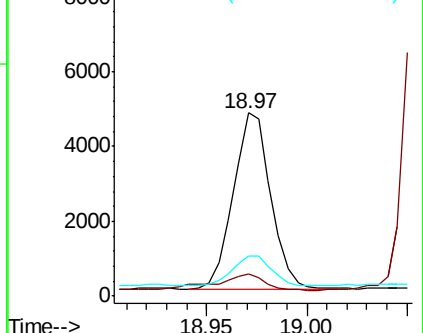
203 18.2 13.7 20.5

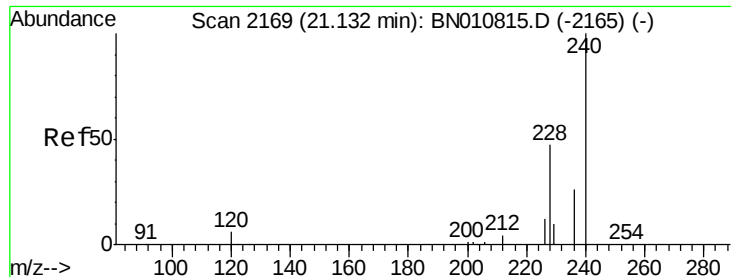


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2166

Delta R.T. -0.01 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

Instrument :

BNA_N

ClientSampleId :

SS043MW011-200615

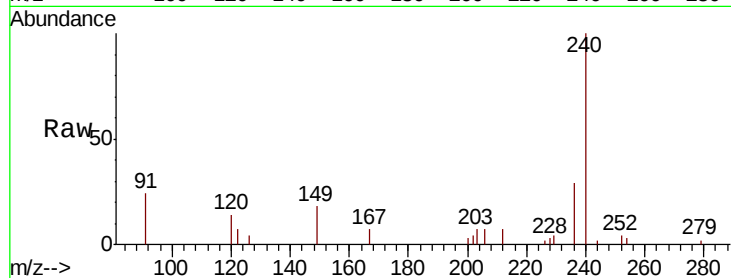
Tot Ion:240 Resp: 10064

Ion Ratio Lower Upper

240 100

120 13.5 7.5 11.3#

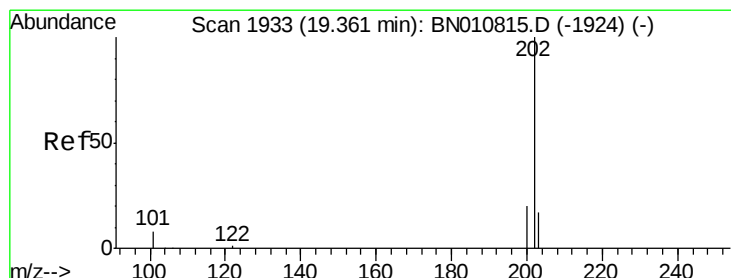
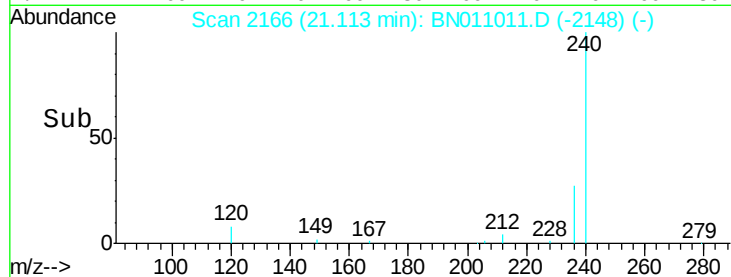
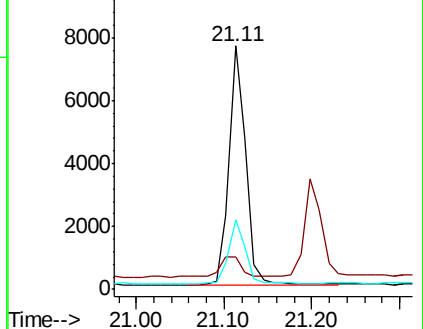
236 28.7 22.3 33.5



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

Pyrene

Concen: 0.115 ng

RT: 19.34 min Scan# 1927

Delta R.T. -0.00 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

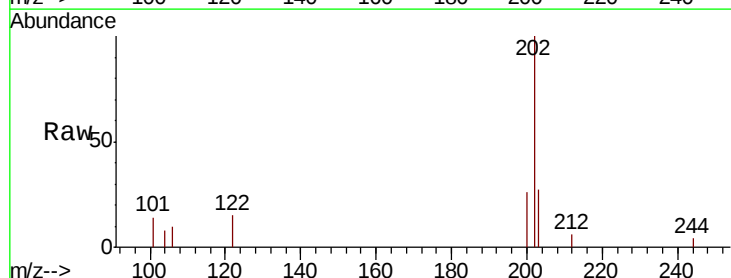
Tgt Ion:202 Resp: 3822

Ion Ratio Lower Upper

202 100

200 22.3 16.4 24.6

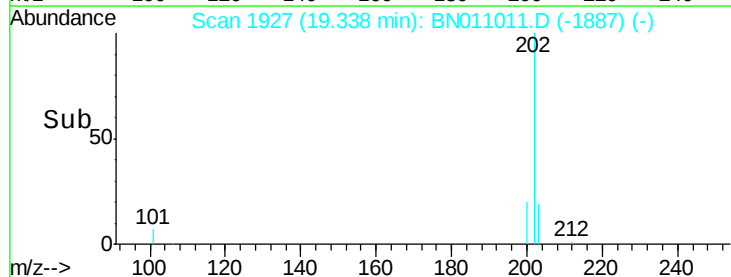
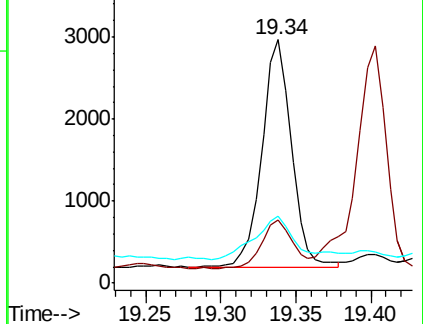
203 24.7 14.2 21.4#

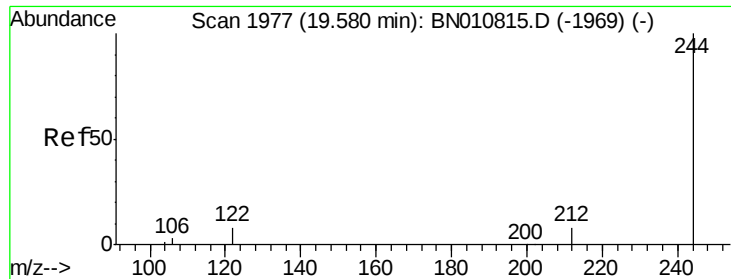


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.360 ng

RT: 19.56 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

Instrument :

BNA_N

ClientSampleId :

SS043MW011-200615

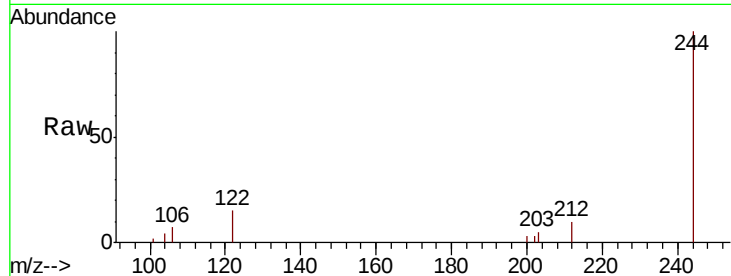
Tot Ion:244 Resp: 8482

Ion Ratio Lower Upper

244 100

212 9.8 7.4 11.2

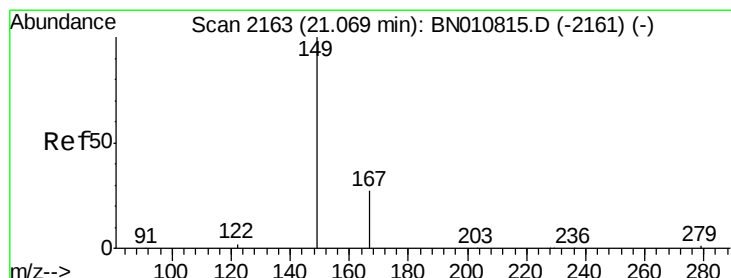
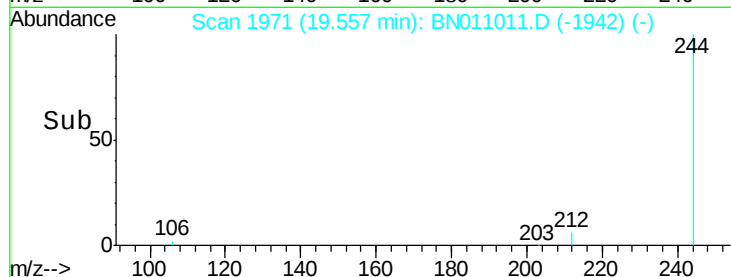
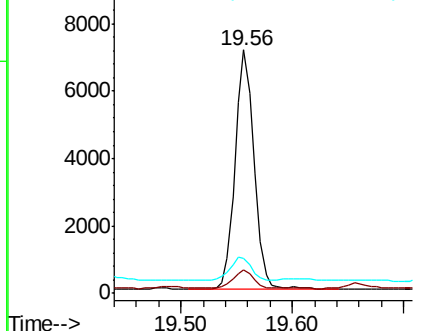
122 14.6 7.5 11.3#



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: 0.164 ng

RT: 21.06 min Scan# 2161

Delta R.T. 0.00 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

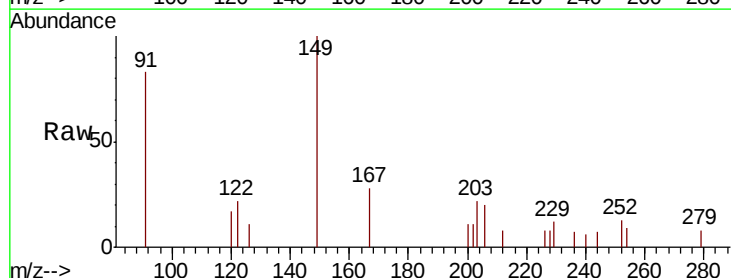
Tgt Ion:149 Resp: 1620

Ion Ratio Lower Upper

149 100

167 23.6 24.1 36.1#

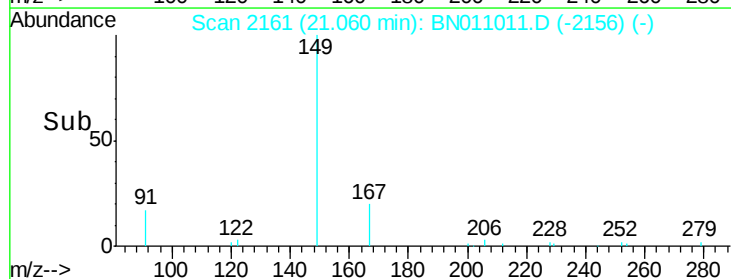
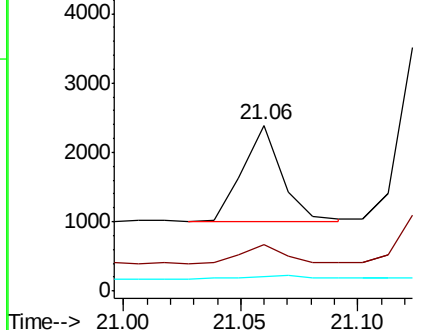
279 5.1 4.6 7.0

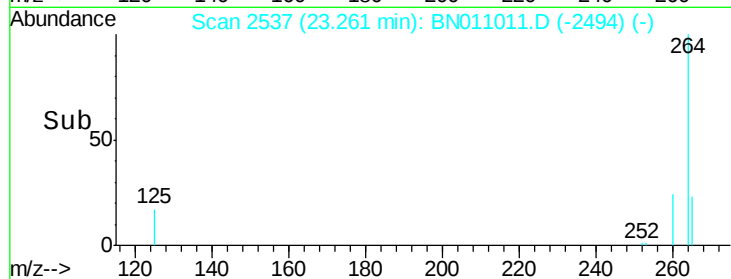
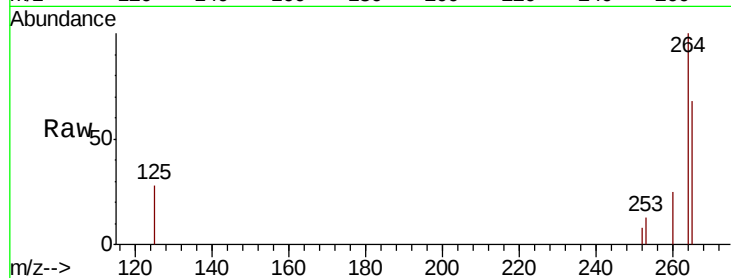
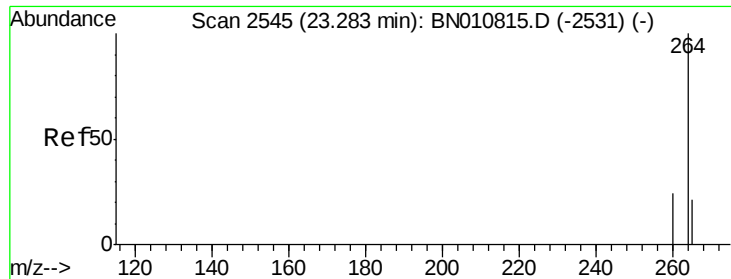


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.26 min Scan# 2537

Delta R.T. -0.00 min

Lab File: BN011011.D

Acq: 22 Jun 2020 16:15

Instrument :

BNA_N

ClientSampleId :

SS043MW011-200615

Tot Ion:264 Resp: 11420

Ion Ratio Lower Upper

264 100

260 25.0 20.4 30.6

265 67.7 75.0 112.4#

