

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062420\
 Data File : BN011051.D
 Acq On : 24 Jun 2020 16:50
 Operator : CG/JU
 Sample : L3033-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SS043MW009-200616

Quant Time: Jun 24 19:03:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 18:53:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	3183	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	10281	0.40	ng	0.00
13) Acenaphthene-d10	14.14	164	14072	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	12858	0.40	ng	0.00
29) Chrysene-d12	21.11	240	14411	0.40	ng	0.00
36) Perylene-d12	23.25	264	11794	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.17	112	2684	0.30	ng	0.00
5) Phenol-d6	6.77	99	1040	0.10	ng	0.06
8) Nitrobenzene-d5	8.64	82	8935	0.95	ng	0.00
11) 2-Methylnaphthalene-d10	11.86	152	6663	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.64	330	1578	0.26	ng	0.00
15) 2-Fluorobiphenyl	12.76	172	11749	0.18	ng	0.00
27) Fluoranthene-d10	18.94	212	12470	0.31	ng	0.00
31) Terphenyl-d14	19.55	244	17318	0.45	ng	0.00

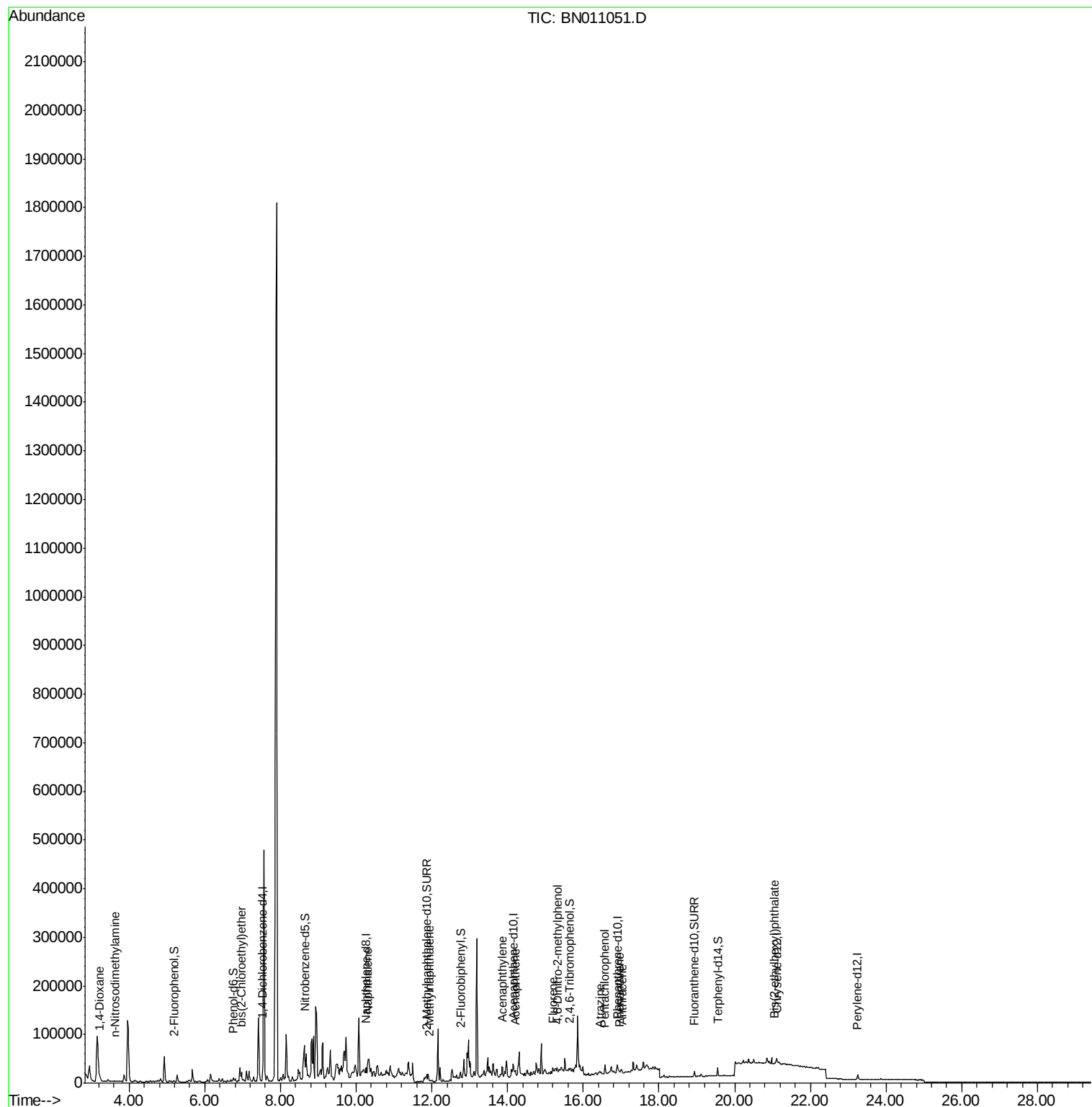
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	6045	1.413	ng	# 78
3) n-Nitrosodimethylamine	3.63	42	99	0.041	ng	# 1
6) bis(2-Chloroethyl)ether	6.97	93	18325	1.997	ng	# 80
9) Naphthalene	10.32	128	36130	1.157	ng	# 86
12) 2-Methylnaphthalene	11.93	142	884	0.042	ng	# 1
16) Acenaphthylene	13.87	152	3102	0.044	ng	# 1
17) Acenaphthene	14.21	154	2009	0.042	ng	# 71
18) Fluorene	15.20	166	5629	0.093	ng	# 86
20) 4,6-Dinitro-2-methylphenol	15.31	198	2866	1.331	ng	# 1
23) Atrazine	16.45	200	2321	0.353	ng	# 1
24) Pentachlorophenol	16.56	266	123	0.040	ng	# 91
25) Phenanthrene	16.95	178	3148	0.073	ng	# 65
26) Anthracene	17.02	178	1378	0.038	ng	# 71
34) Bis(2-ethylhexyl)phthalate	21.05	149	2159	0.108	ng	# 96

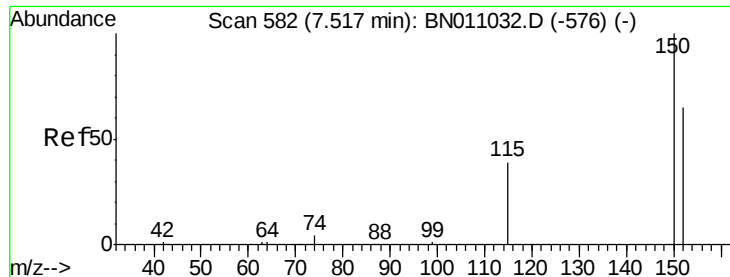
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN011051.D

Acq: 24 Jun 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

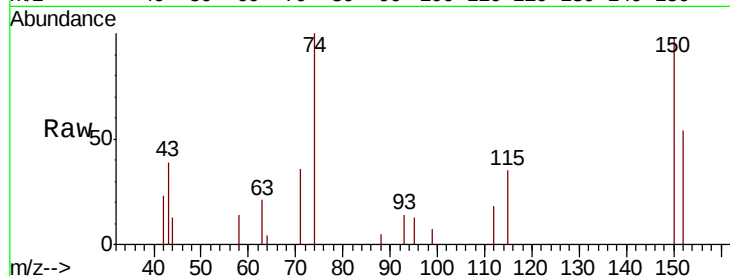
Tot Ion:152 Resp: 3183

Ion Ratio Lower Upper

152 100

150 182.1 121.8 182.8

115 64.8 50.2 75.2

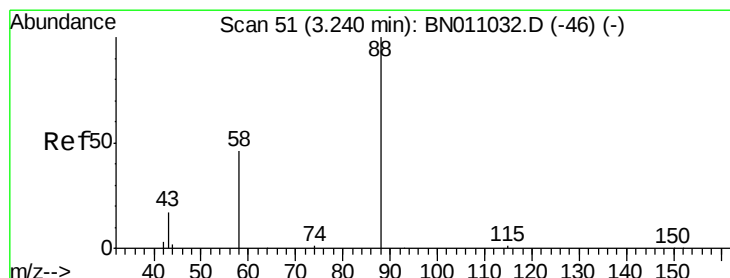
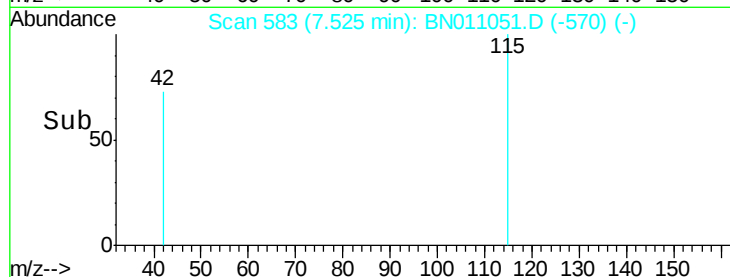


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



#2

1,4-Dioxane

Concen: 1.413 ng

RT: 3.23 min Scan# 50

Delta R.T. -0.01 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

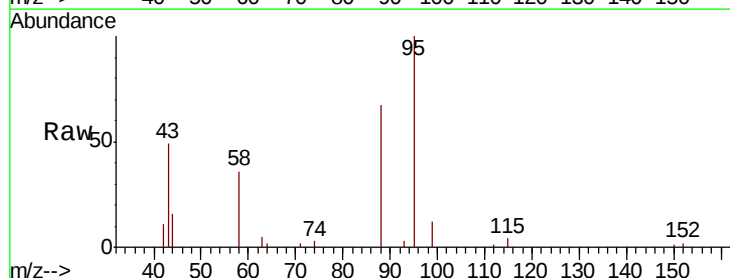
Tgt Ion: 88 Resp: 6045

Ion Ratio Lower Upper

88 100

58 50.8 38.4 57.6

43 48.2 14.2 21.4#

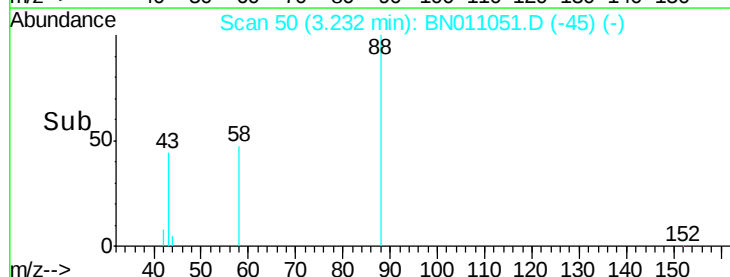


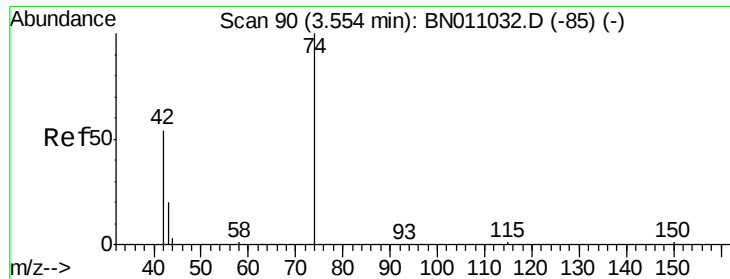
Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC

Time-->



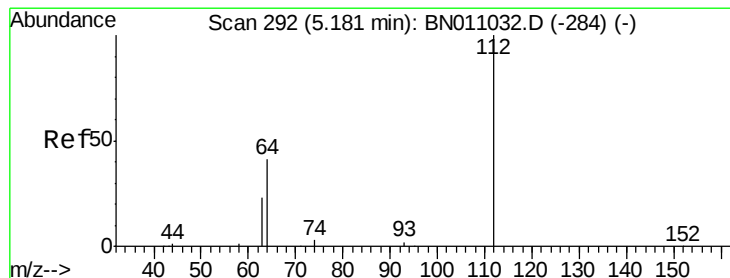
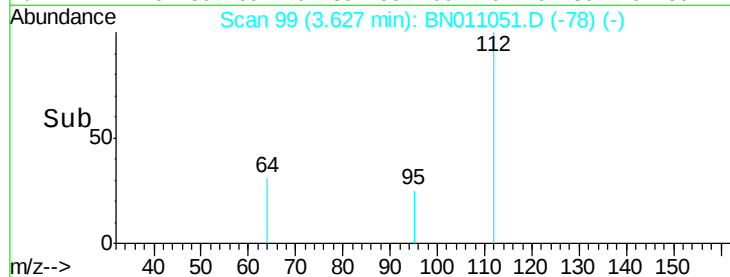
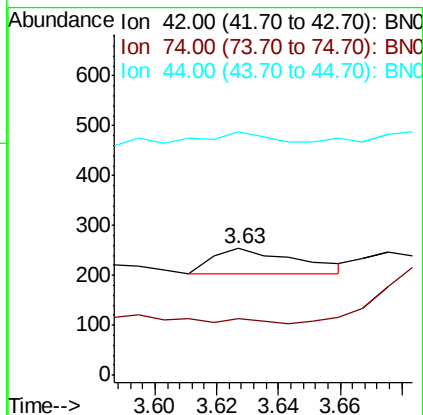
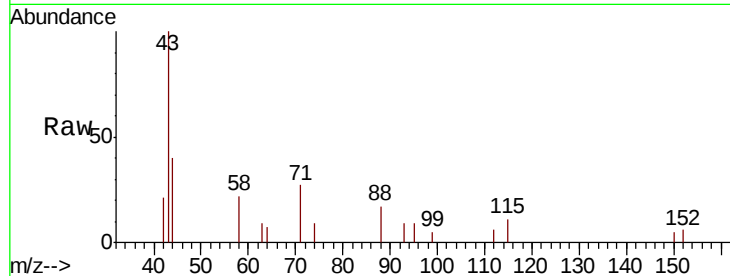


#3

n-Nitrosodimethylamine
 Concen: 0.041 ng
 RT: 3.63 min Scan# 99
 Delta R.T. 0.07 min
 Lab File: BN011051.D
 Acq: 24 Jun 2020 16:50

Instrument :
 BNA_N
 ClientSampleId :
 SS043MW009-200616

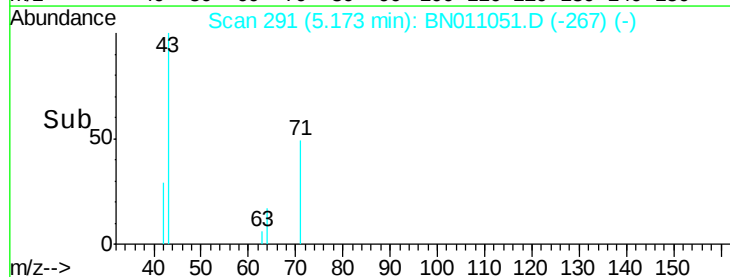
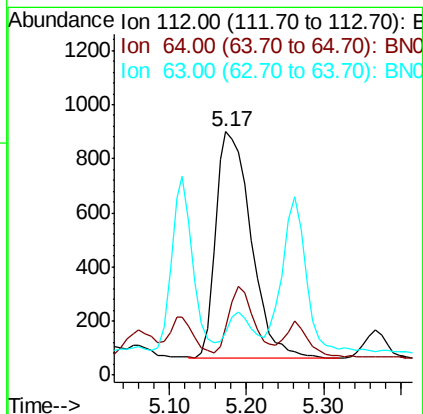
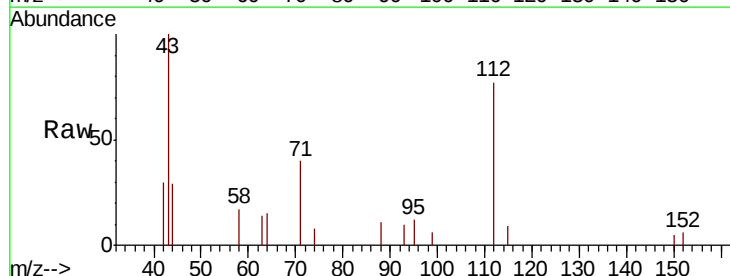
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	154.8	232.2#
44	49.5	4.8	7.2#

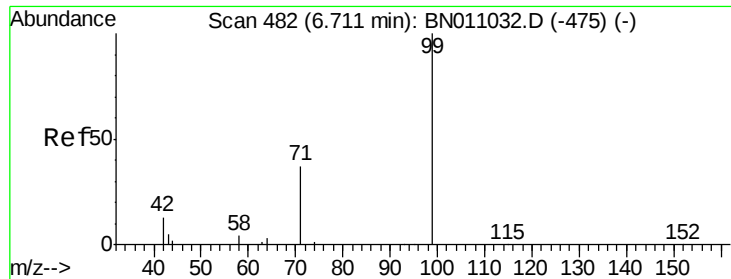


#4

2-Fluorophenol
 Concen: 0.299 ng
 RT: 5.17 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: BN011051.D
 Acq: 24 Jun 2020 16:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	22.8	37.3	55.9#
63	12.1	20.4	30.6#





#5

Phenol-d6

Concen: 0.098 ng

RT: 6.77 min Scan# 489

Delta R.T. 0.06 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

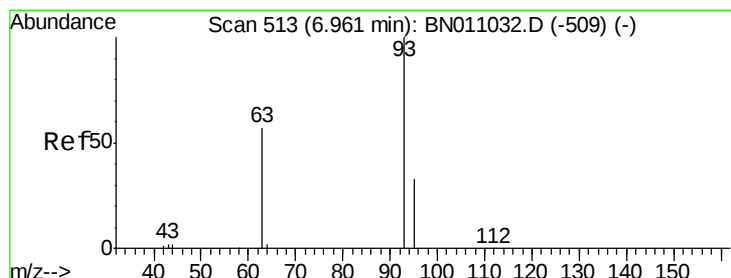
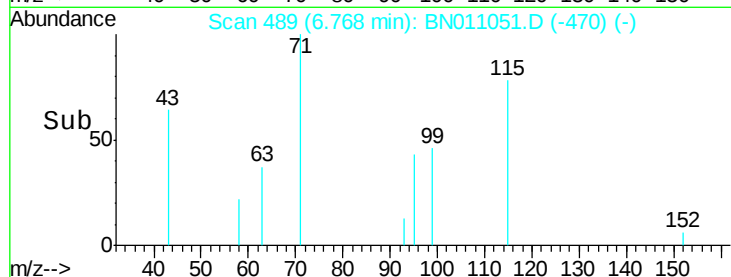
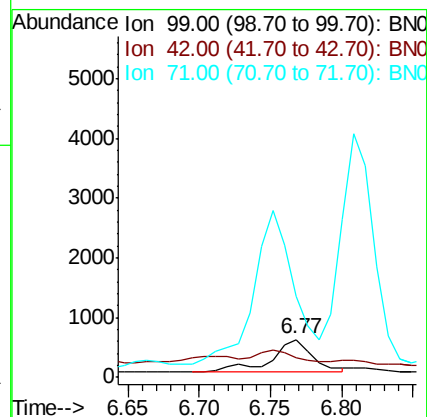
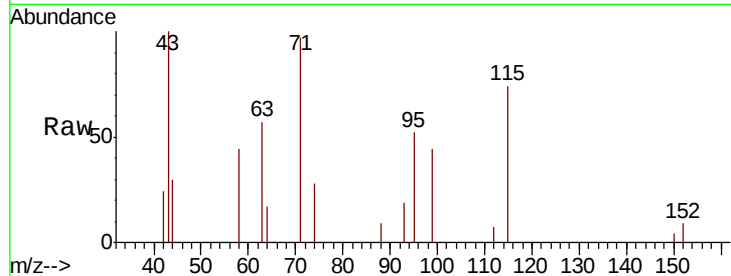
Tot Ion: 99 Resp: 1040

Ion Ratio Lower Upper

99 100

42 30.8 10.6 16.0#

71 490.3 28.7 43.1#



#6

bis(2-Chloroethyl)ether

Concen: 1.997 ng

RT: 6.97 min Scan# 514

Delta R.T. 0.01 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

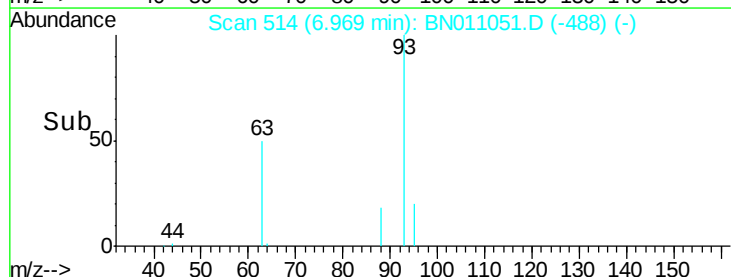
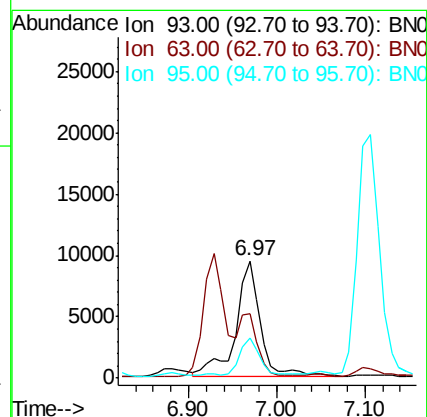
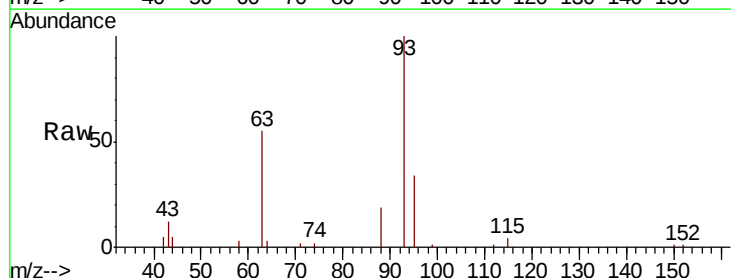
Tgt Ion: 93 Resp: 18325

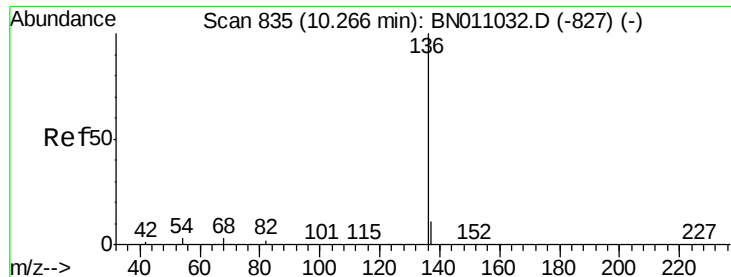
Ion Ratio Lower Upper

93 100

63 36.6 43.7 65.5#

95 24.8 25.3 37.9#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

Tot Ion:136 Resp: 10281

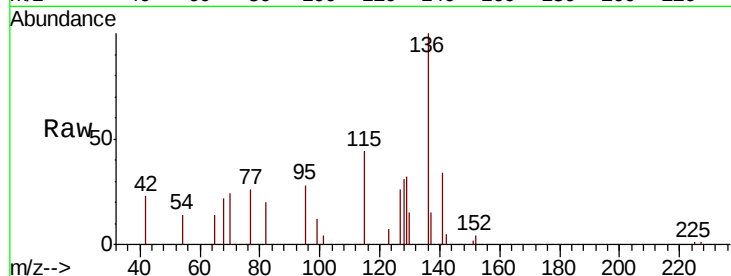
Ion Ratio Lower Upper

136 100

137 15.1 9.6 14.4#

54 14.0 3.0 4.4#

68 21.6 3.4 5.2#



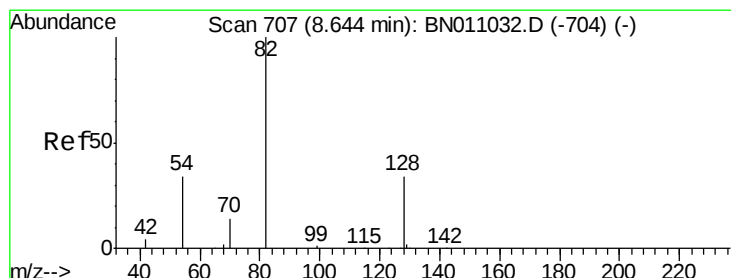
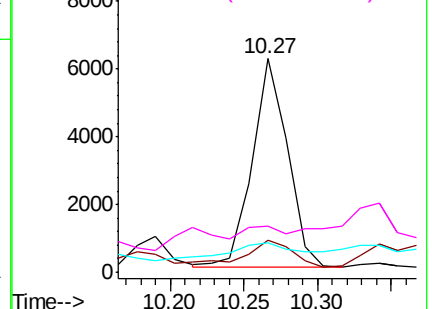
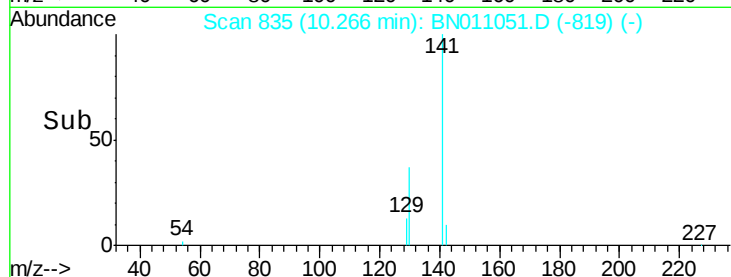
Abundance

Ion 136.00 (135.70 to 136.70): B

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: 0.954 ng

RT: 8.64 min Scan# 707

Delta R.T. 0.00 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

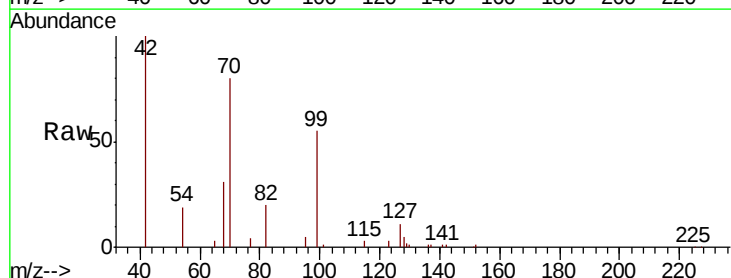
Tgt Ion: 82 Resp: 8935

Ion Ratio Lower Upper

82 100

128 25.9 29.4 44.2#

54 94.3 28.8 43.2#

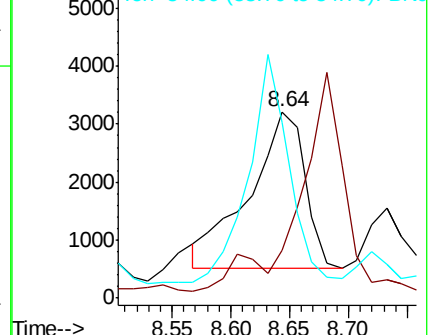
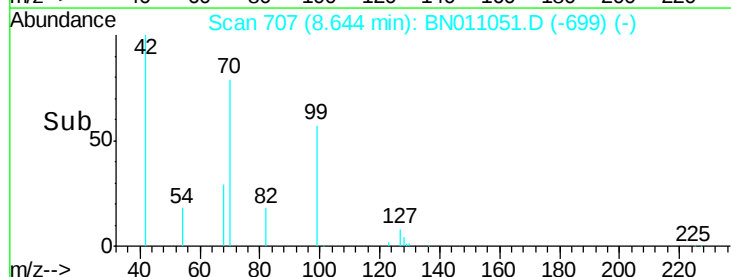


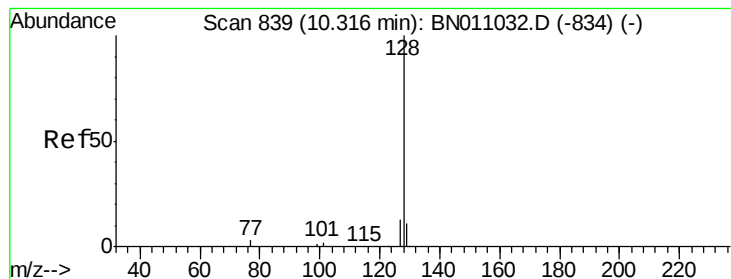
Abundance

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: 1.157 ng

RT: 10.32 min Scan# 839

Delta R.T. 0.00 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

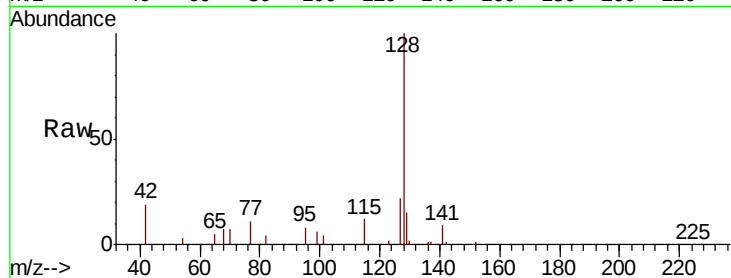
Tot Ion:128 Resp: 36130

Ion Ratio Lower Upper

128 100

129 15.0 9.8 14.6#

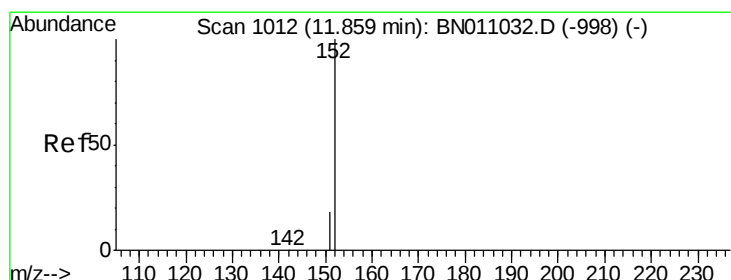
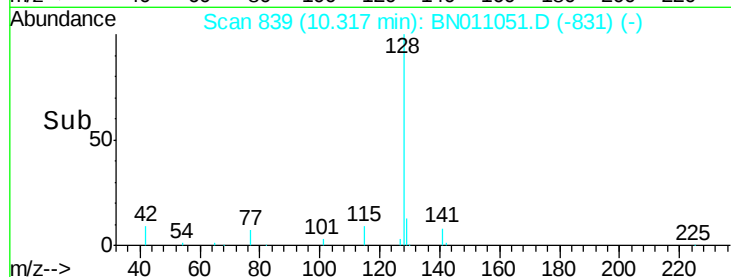
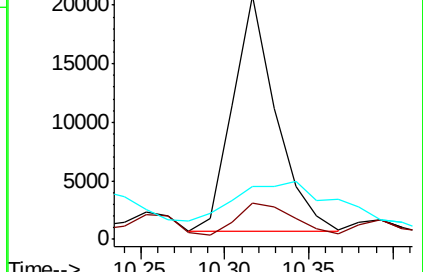
127 21.6 10.9 16.3#



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: 0.367 ng

RT: 11.86 min Scan# 1012

Delta R.T. 0.00 min

Lab File: BN011051.D

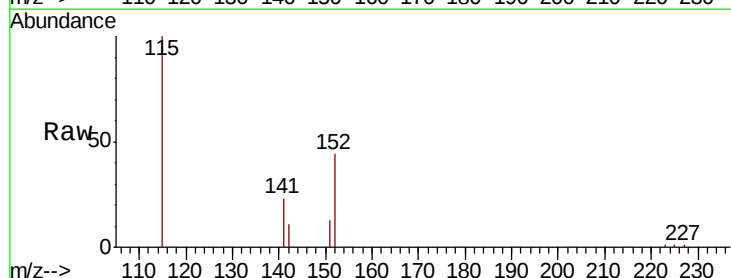
Acq: 24 Jun 2020 16:50

Tgt Ion:152 Resp: 6663

Ion Ratio Lower Upper

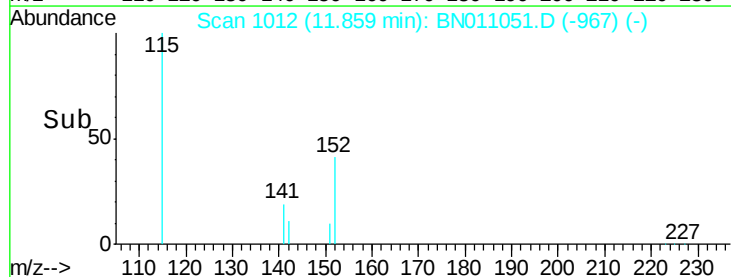
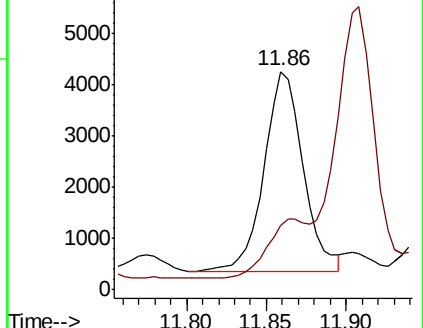
152 100

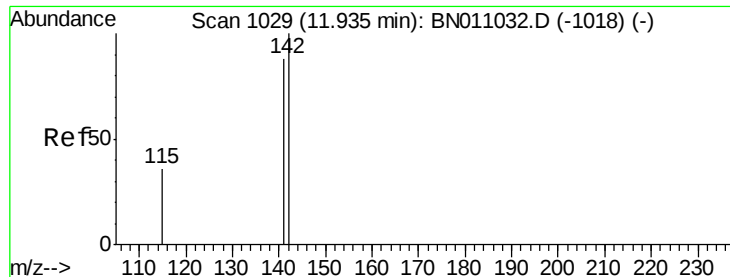
151 31.4 16.2 24.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.042 ng

RT: 11.93 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BN011051.D

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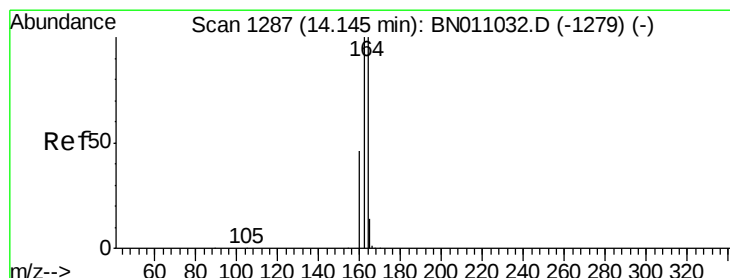
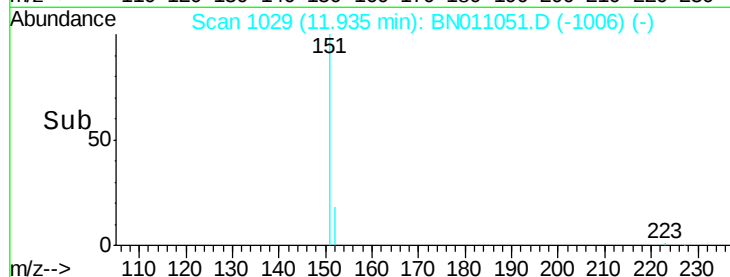
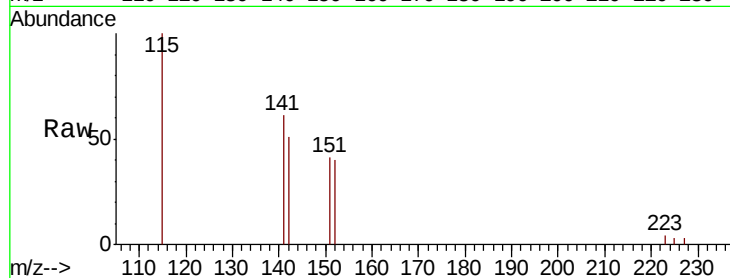
Tot Ion:142 Resp: 884

Ion Ratio Lower Upper

142 100

141 119.9 70.6 106.0#

115 196.1 30.2 45.2#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

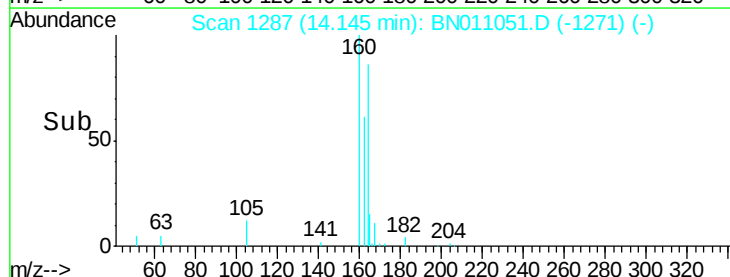
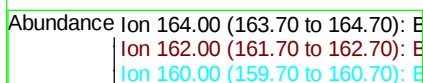
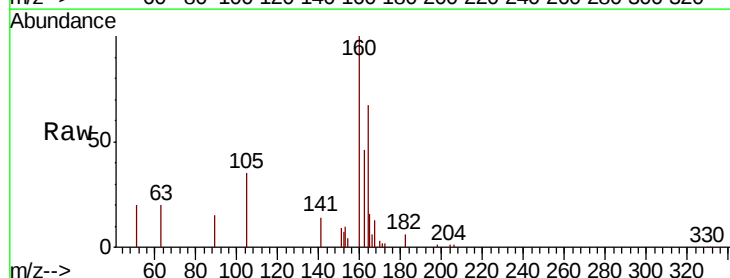
Tgt Ion:164 Resp: 14072

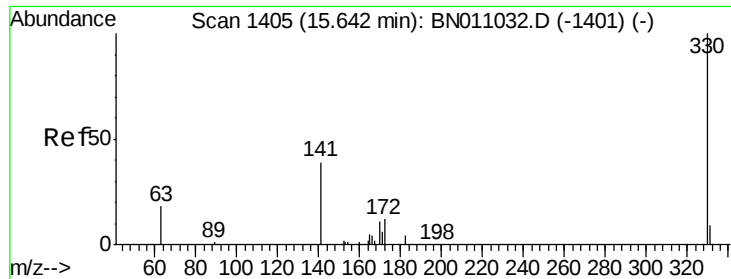
Ion Ratio Lower Upper

164 100

162 69.5 80.2 120.4#

160 150.0 37.7 56.5#

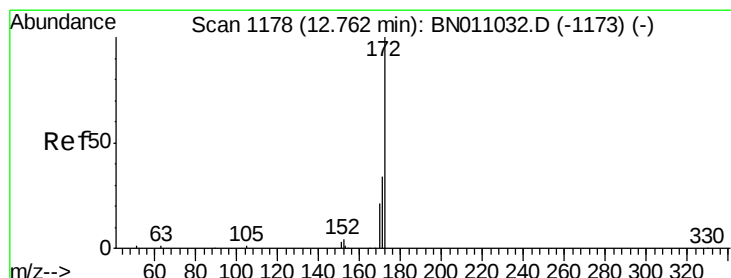
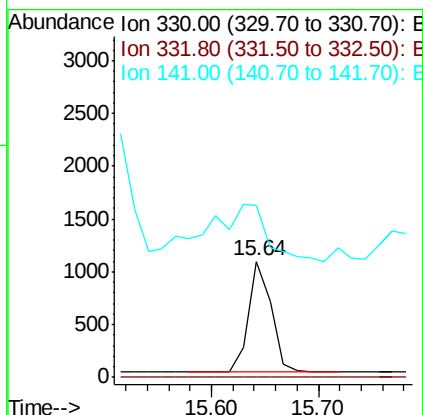
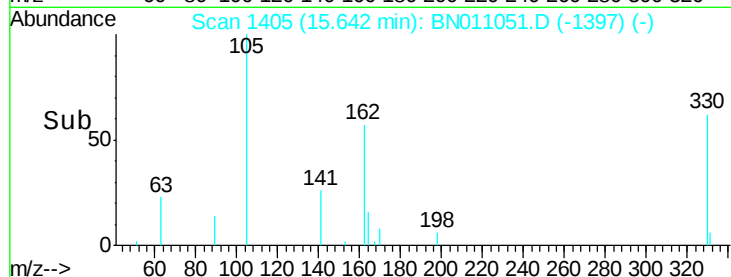
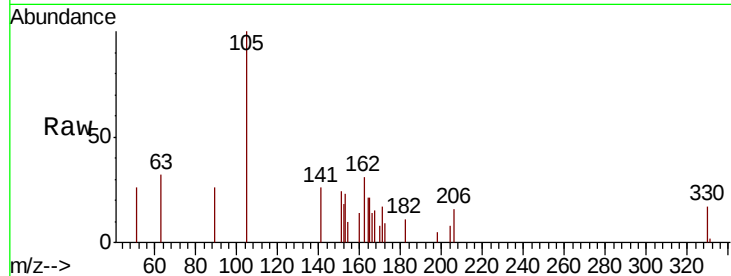




#14
2,4,6-Tribromophenol
Concen: 0.255 ng
RT: 15.64 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BN011051.D
Acq: 24 Jun 2020 16:50

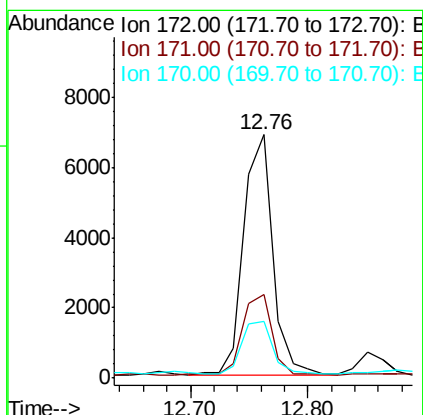
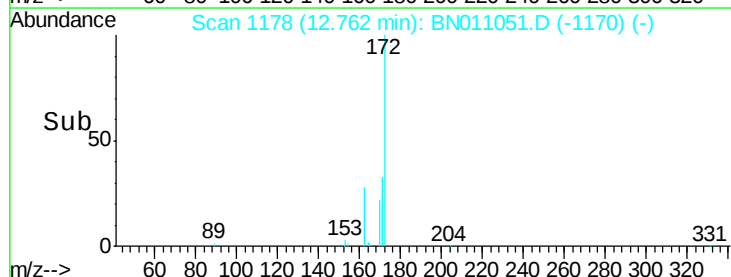
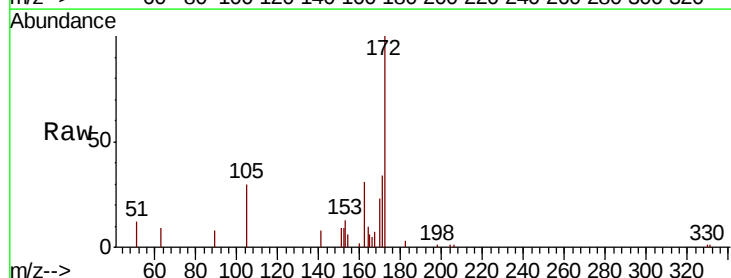
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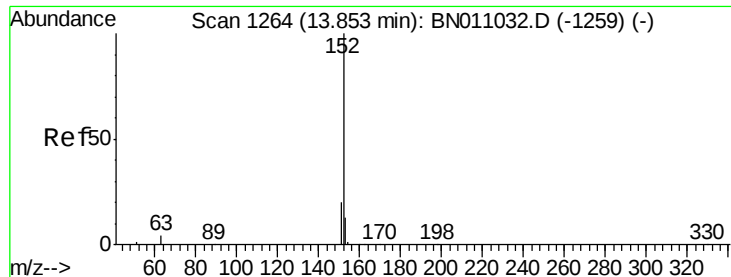
Tot Ion:330 Resp: 1578
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 114.1 34.5 51.7#



#15
2-Fluorobiphenyl
Concen: 0.179 ng
RT: 12.76 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BN011051.D
Acq: 24 Jun 2020 16:50

Tgt Ion:172 Resp: 11749
Ion Ratio Lower Upper
172 100
171 34.5 27.4 41.2
170 23.3 17.5 26.3





#16

Acenaphthylene

Concen: 0.044 ng

RT: 13.87 min Scan# 1265

Delta R.T. 0.01 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

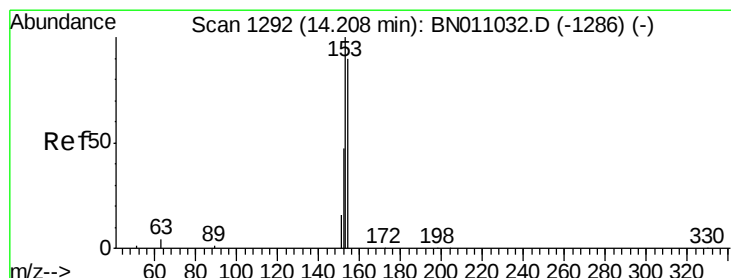
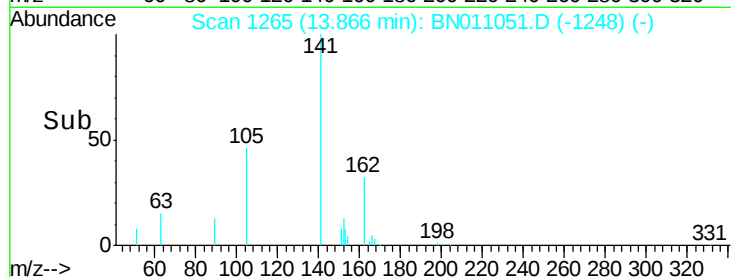
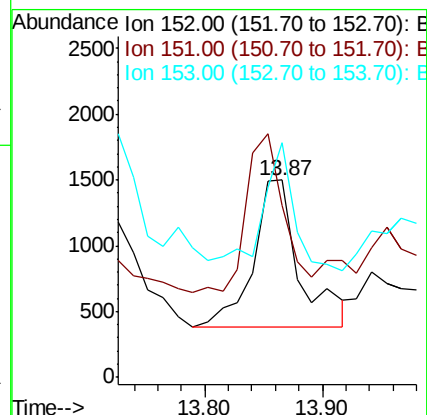
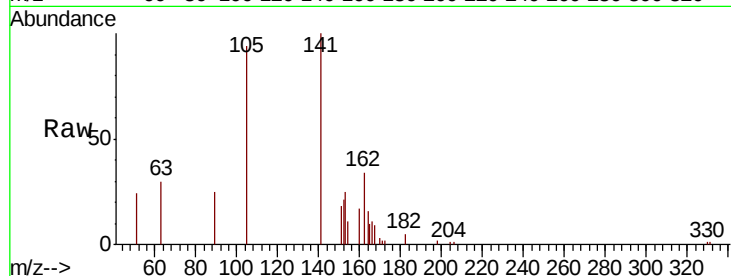
Tot Ion:152 Resp: 3102

Ion Ratio Lower Upper

152 100

151 86.9 15.6 23.4#

153 55.9 10.2 15.2#



#17

Acenaphthene

Concen: 0.042 ng

RT: 14.21 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

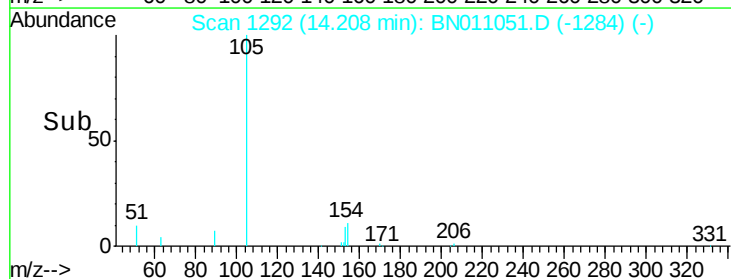
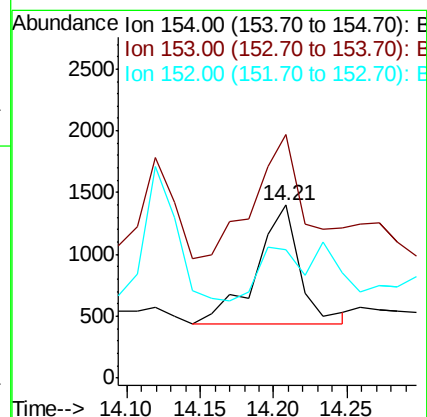
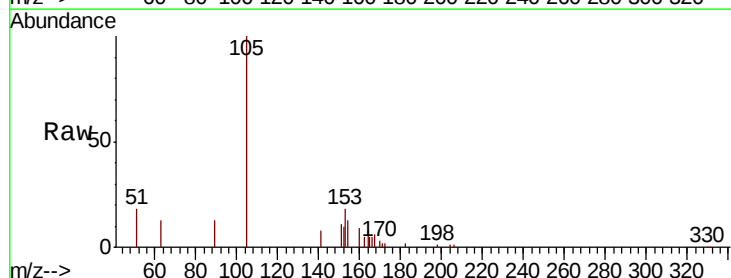
Tgt Ion:154 Resp: 2009

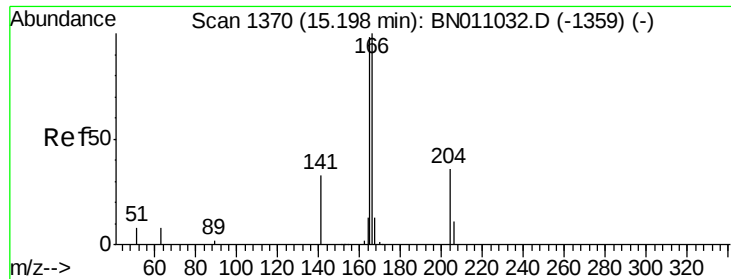
Ion Ratio Lower Upper

154 100

153 109.8 92.3 138.5

152 0.0 45.5 68.3#





#18

Fluorene

Concen: 0.093 ng

RT: 15.20 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

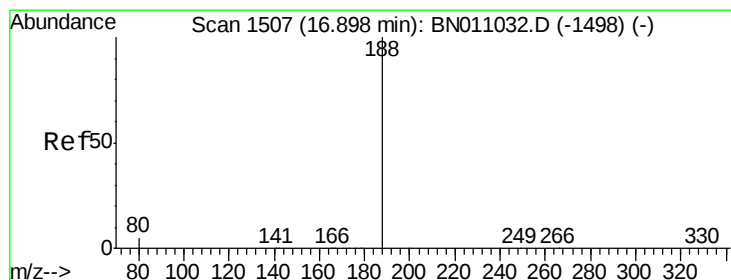
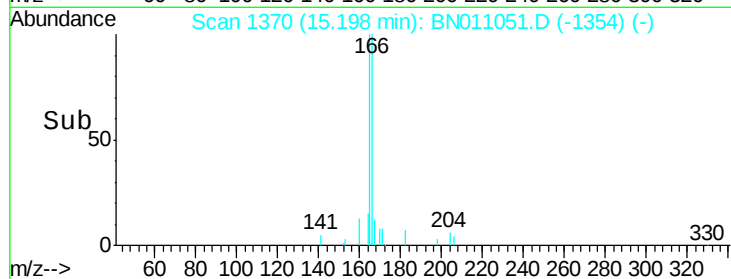
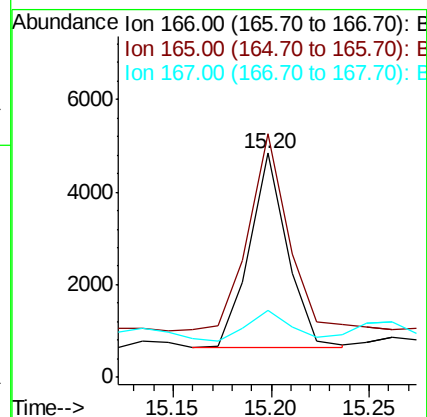
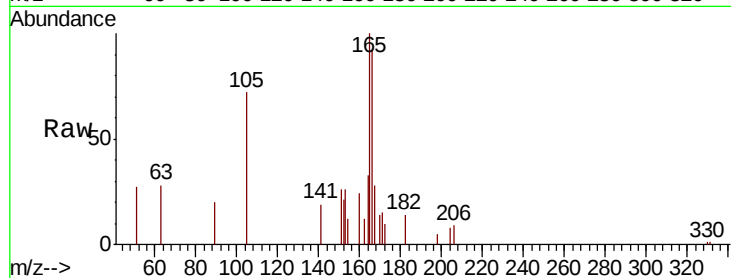
Tot Ion:166 Resp: 5629

Ion Ratio Lower Upper

166 100

165 111.1 77.8 116.8

167 17.8 10.8 16.2#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.90 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

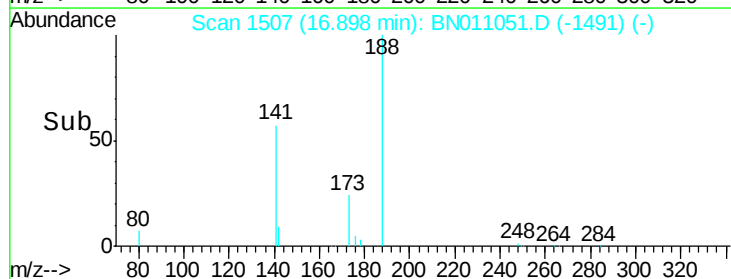
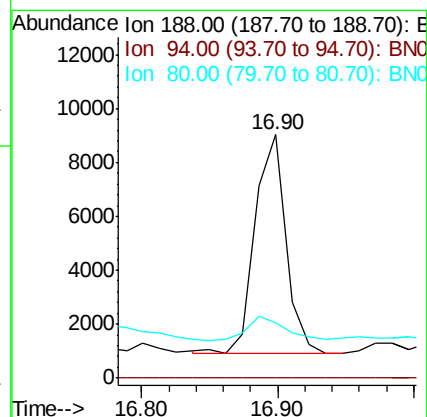
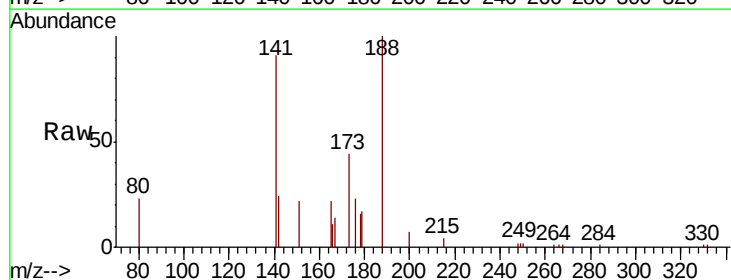
Tgt Ion:188 Resp: 12858

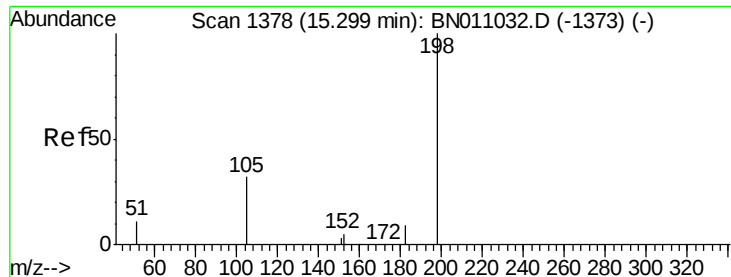
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 22.6 4.6 7.0#

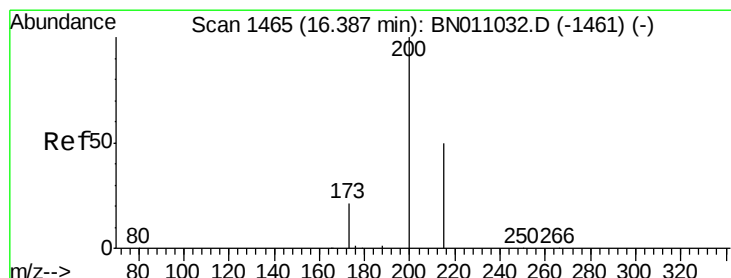
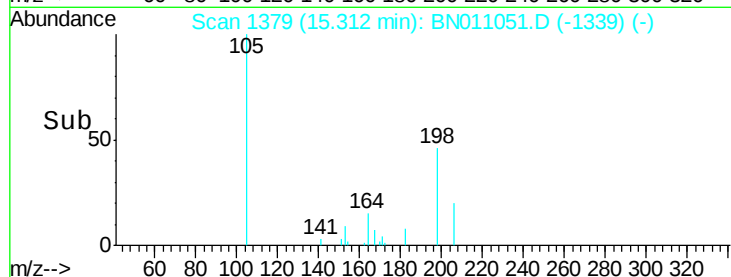
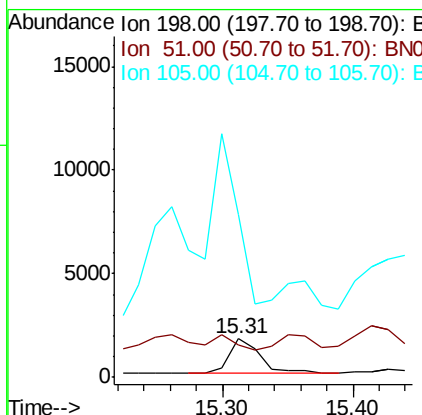
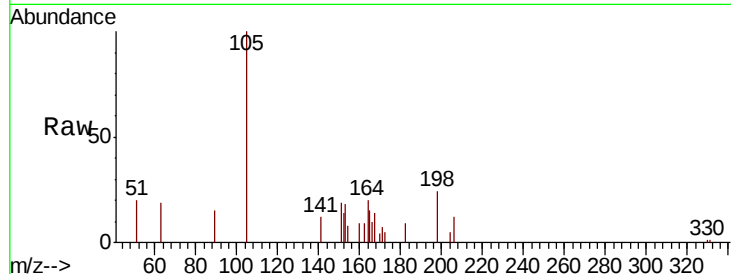




#20
4,6-Dinitro-2-methylphenol
Concen: 1.331 ng
RT: 15.31 min Scan# 1379
Delta R.T. 0.01 min
Lab File: BN011051.D
Acq: 24 Jun 2020 16:50

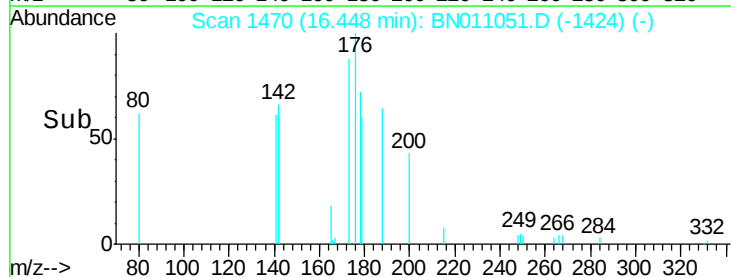
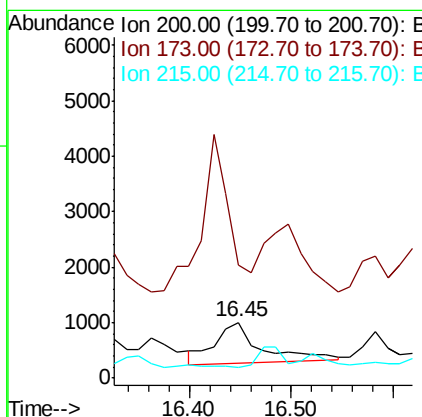
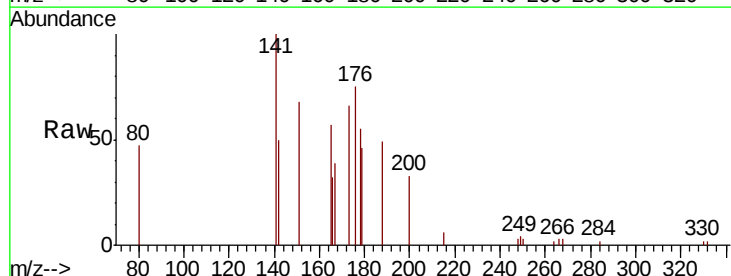
Instrument :
BNA_N
ClientSampleId :
SS043MW009-200616

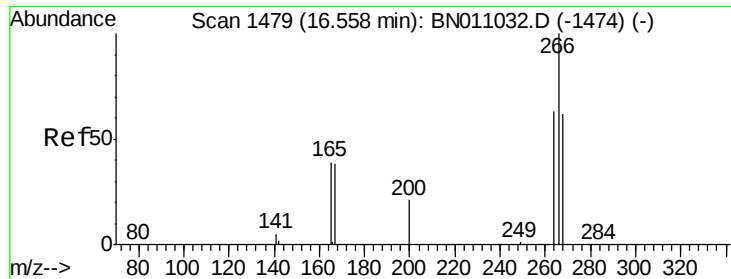
Tot Ion:198 Resp: 2866
Ion Ratio Lower Upper
198 100
51 84.5 29.5 44.3#
105 424.1 39.2 58.8#



#23
Atrazine
Concen: 0.353 ng
RT: 16.45 min Scan# 1470
Delta R.T. 0.06 min
Lab File: BN011051.D
Acq: 24 Jun 2020 16:50

Tgt Ion:200 Resp: 2321
Ion Ratio Lower Upper
200 100
173 201.4 19.4 29.2#
215 19.2 41.5 62.3#

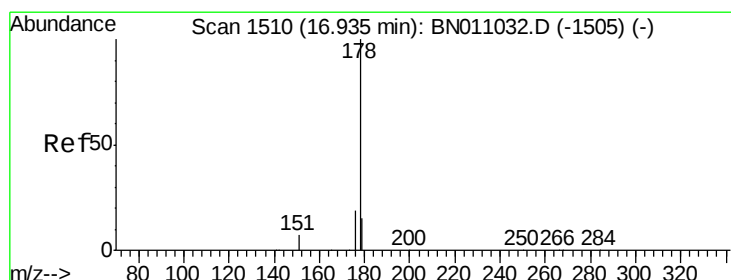
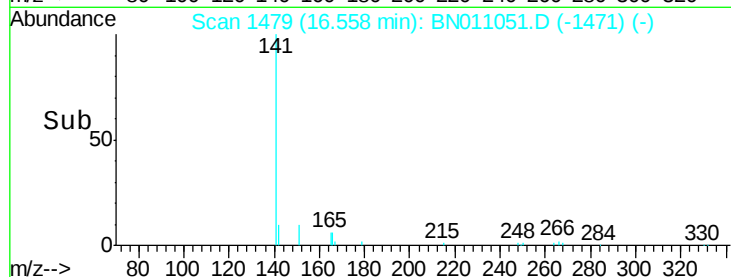
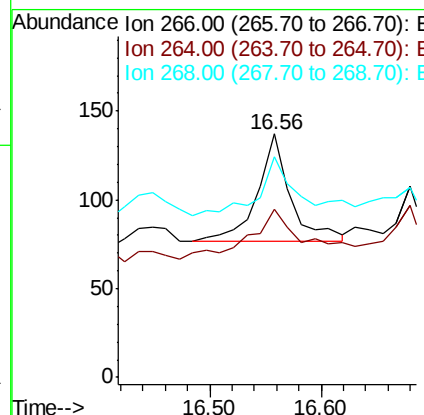
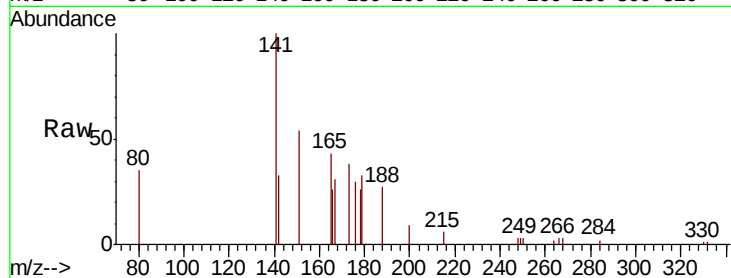




#24
 Pentachlorophenol
 Concen: 0.040 ng
 RT: 16.56 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: BN011051.D
 Acq: 24 Jun 2020 16:50

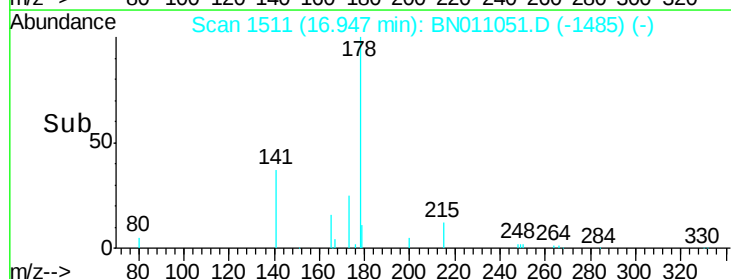
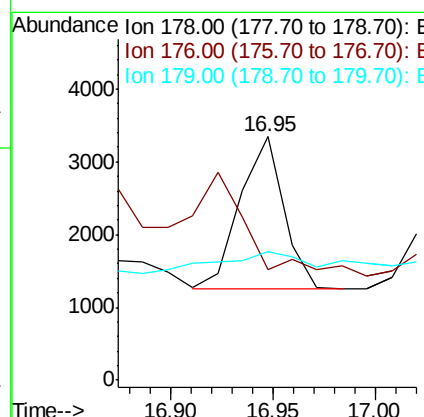
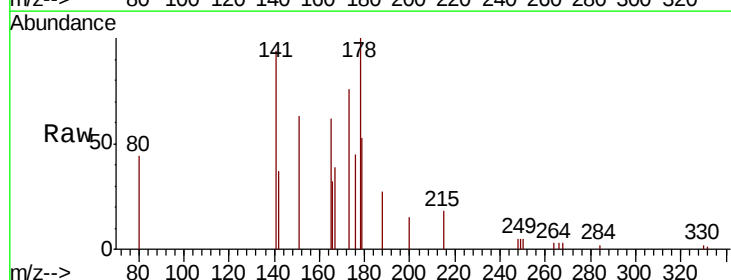
Instrument :
 BNA_N
 ClientSampleId :
 SS043MW009-200616

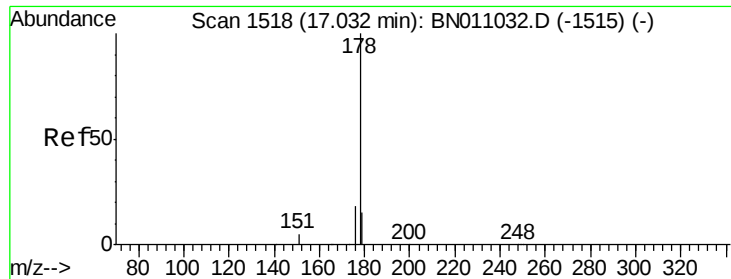
Tot Ion:266 Resp: 123
 Ion Ratio Lower Upper
 266 100
 264 56.1 51.4 77.0
 268 61.8 54.9 82.3



#25
 Phenanthrene
 Concen: 0.073 ng
 RT: 16.95 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: BN011051.D
 Acq: 24 Jun 2020 16:50

Tgt Ion:178 Resp: 3148
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.0 22.6#
 179 27.0 12.3 18.5#





#26

Anthracene

Concen: 0.038 ng

RT: 17.02 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

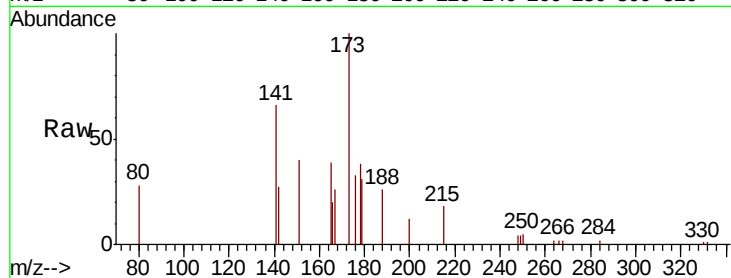
Tot Ion:178 Resp: 1378

Ion Ratio Lower Upper

178 100

176 28.7 14.7 22.1#

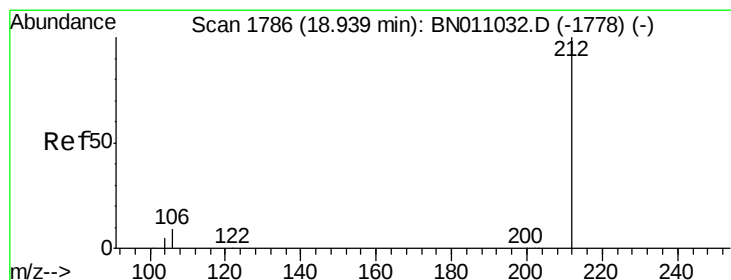
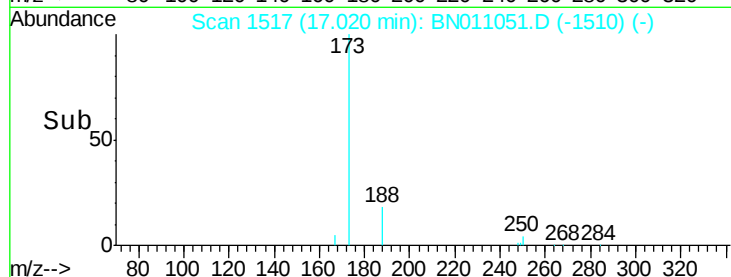
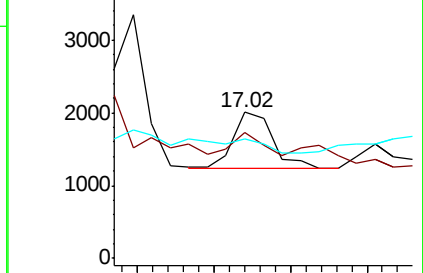
179 0.0 12.2 18.4#



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



#27

Fluoranthene-d10

Concen: 0.307 ng

RT: 18.94 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

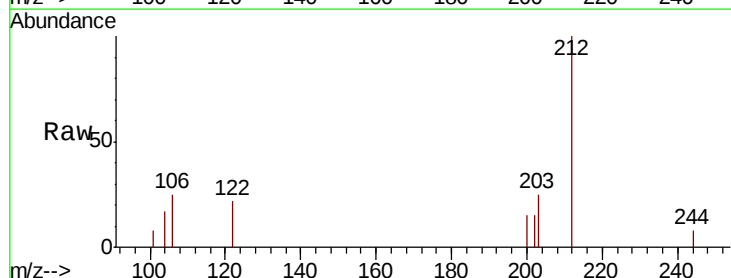
Tgt Ion:212 Resp: 12470

Ion Ratio Lower Upper

212 100

106 10.7 7.7 11.5

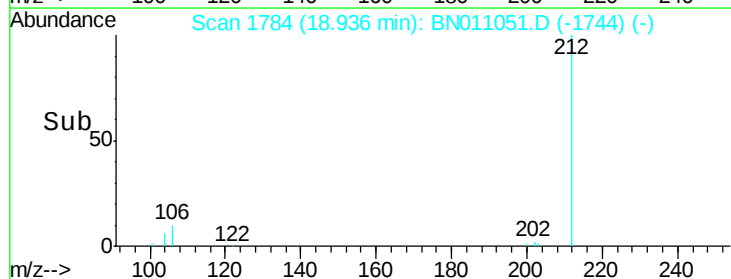
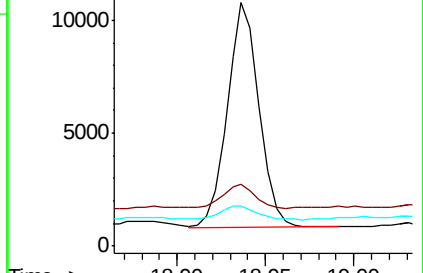
104 6.8 4.6 6.8#

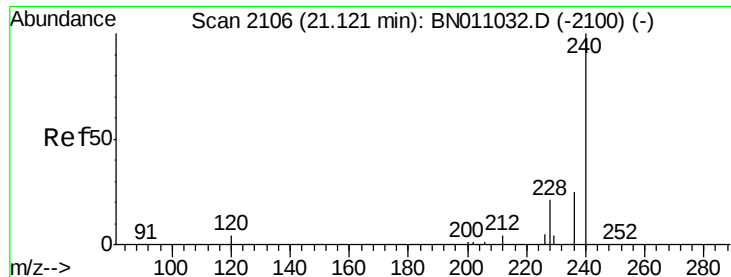


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.11 min Scan# 2104

Delta R.T. -0.01 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

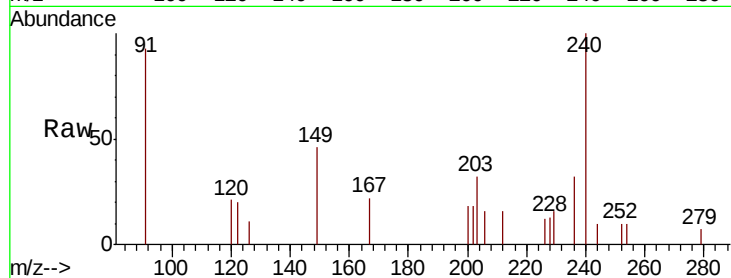
Tot Ion:240 Resp: 14411

Ion Ratio Lower Upper

240 100

120 21.4 5.4 8.0#

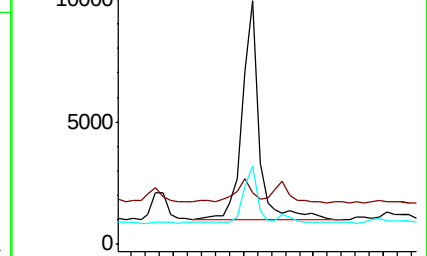
236 32.3 21.4 32.2#



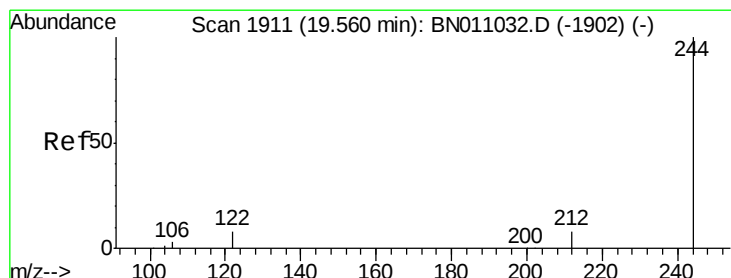
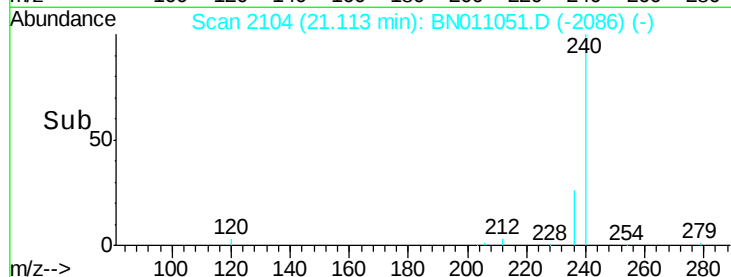
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#31

Terphenyl-d14

Concen: 0.448 ng

RT: 19.55 min Scan# 1908

Delta R.T. -0.01 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

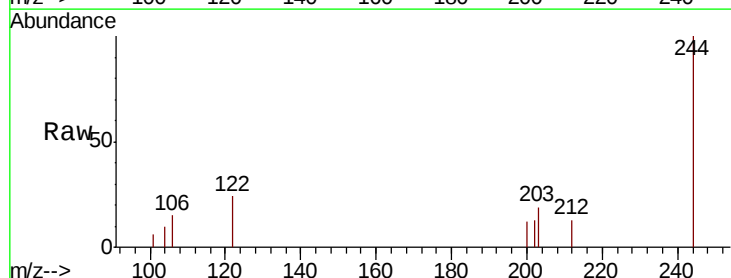
Tgt Ion:244 Resp: 17318

Ion Ratio Lower Upper

244 100

212 13.2 6.9 10.3#

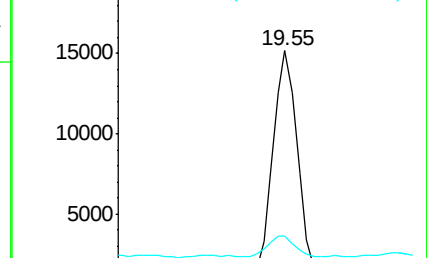
122 23.7 7.4 11.0#



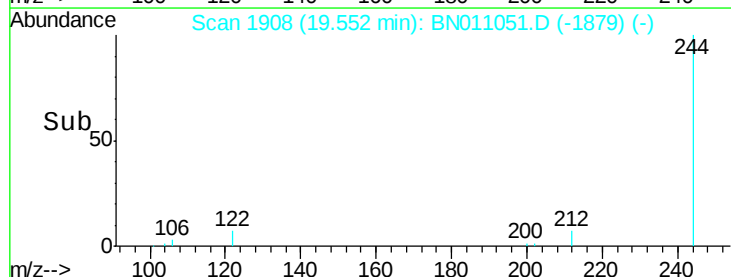
Abundance Ion 244.00 (243.70 to 244.70): E

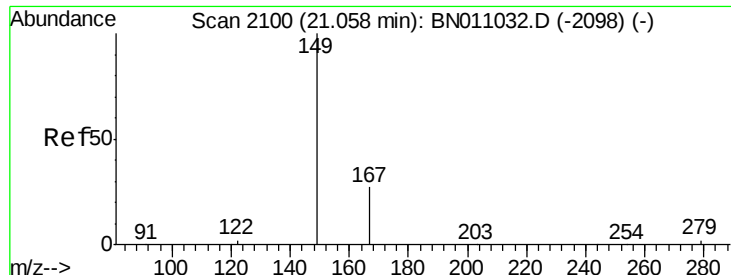
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.108 ng

RT: 21.05 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

Instrument :

BNA_N

ClientSampleId :

SS043MW009-200616

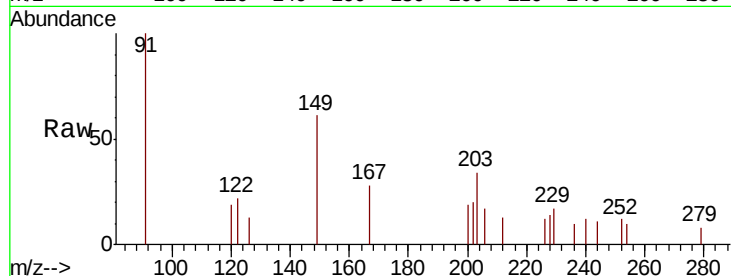
Tot Ion:149 Resp: 2159

Ion Ratio Lower Upper

149 100

167 25.6 22.2 33.2

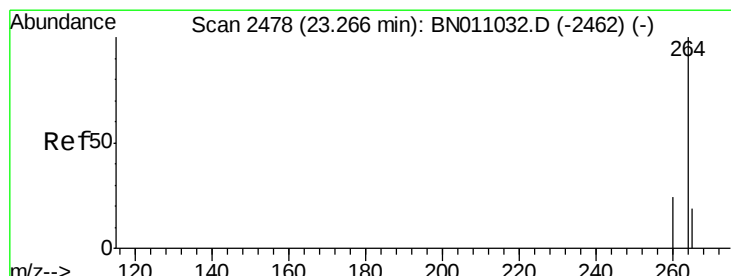
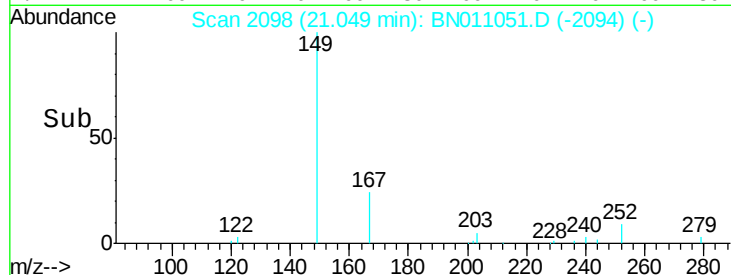
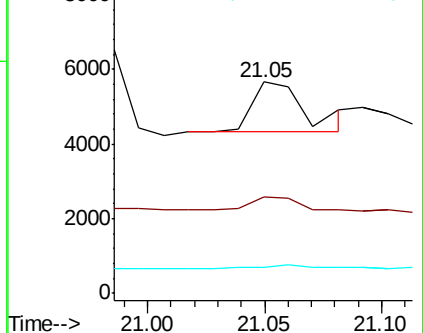
279 7.1 3.9 5.9#



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



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.25 min Scan# 2472

Delta R.T. -0.01 min

Lab File: BN011051.D

Acq: 24 Jun 2020 16:50

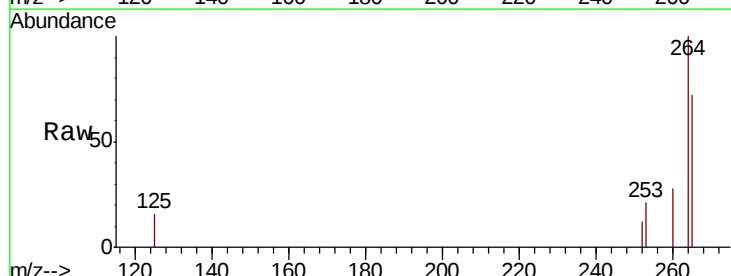
Tgt Ion:264 Resp: 11794

Ion Ratio Lower Upper

264 100

260 27.8 20.0 30.0

265 72.1 64.9 97.3



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

