

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062420\
 Data File : BN011047.D
 Acq On : 24 Jun 2020 14:26
 Operator : CG/JU
 Sample : L3033-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SS043MW010-200615

Quant Time: Jun 25 09:59:03 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	3005	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	9966	0.40	ng	0.00
13) Acenaphthene-d10	14.14	164	5868	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	12341	0.40	ng	0.00
29) Chrysene-d12	21.11	240	11478	0.40	ng	0.00
36) Perylene-d12	23.25	264	12040	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.19	112	1143	0.13	ng	0.00
5) Phenol-d6	6.73	99	815	0.08	ng	0.02
8) Nitrobenzene-d5	8.66	82	3051	0.34	ng	0.01
11) 2-Methylnaphthalene-d10	11.86	152	5125	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.64	330	1031	0.40	ng	0.00
15) 2-Fluorobiphenyl	12.76	172	9730	0.36	ng	0.00
27) Fluoranthene-d10	18.94	212	12781	0.33	ng	0.00
31) Terphenyl-d14	19.55	244	13817	0.45	ng	0.00

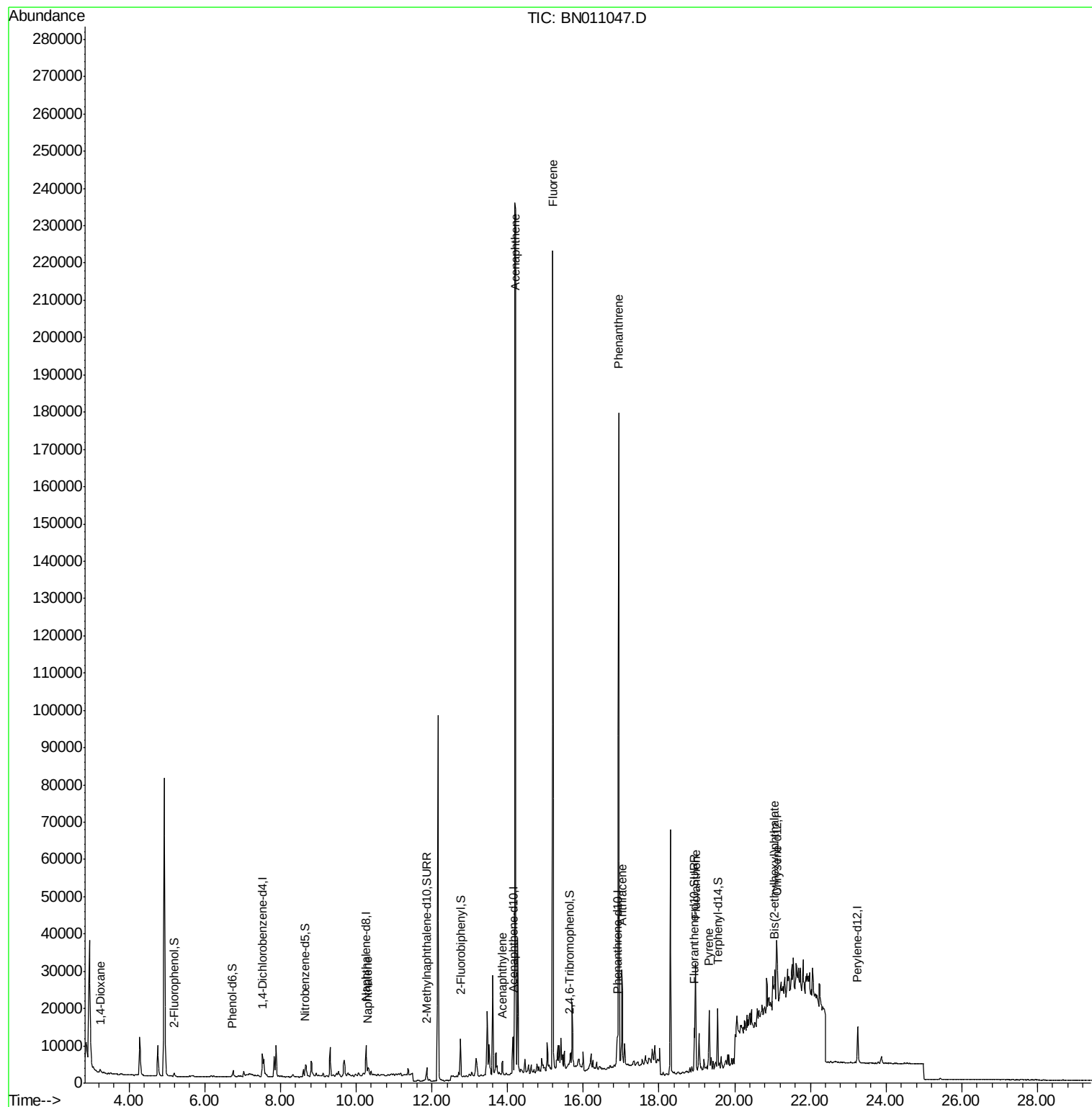
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	1242	0.307	ng	# 78
9) Naphthalene	10.32	128	1887	0.062	ng	# 77
16) Acenaphthylene	13.85	152	1005	0.034	ng	# 15
17) Acenaphthene	14.21	154	138610	6.979	ng	98
18) Fluorene	15.20	166	128503	5.072	ng	99
25) Phenanthrene	16.93	178	170860	4.108	ng	100
26) Anthracene	17.02	178	27847	0.807	ng	# 91
28) Fluoranthene	18.97	202	24493	0.515	ng	# 81
30) Pyrene	19.33	202	13977	0.316	ng	# 75
34) Bis(2-ethylhexyl)phthalate	21.05	149	4221	0.264	ng	# 96

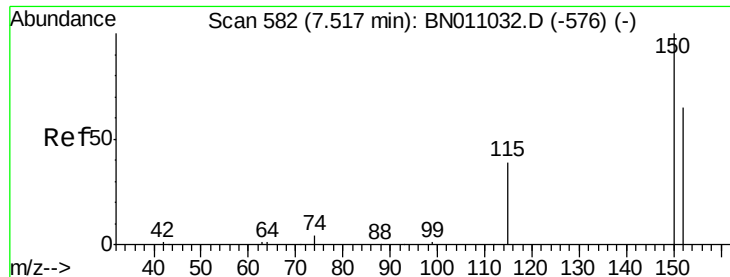
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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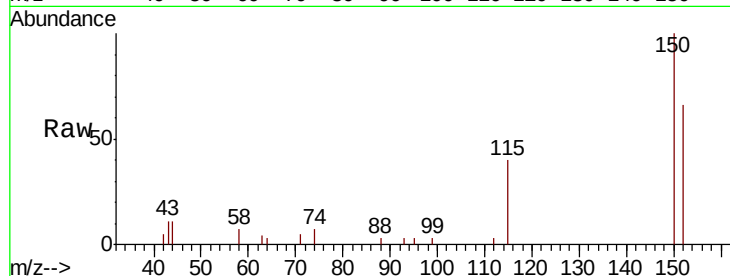


#1

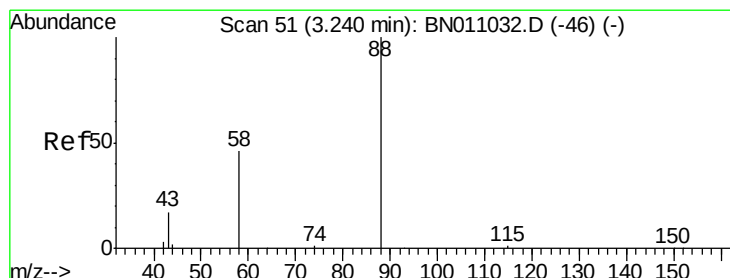
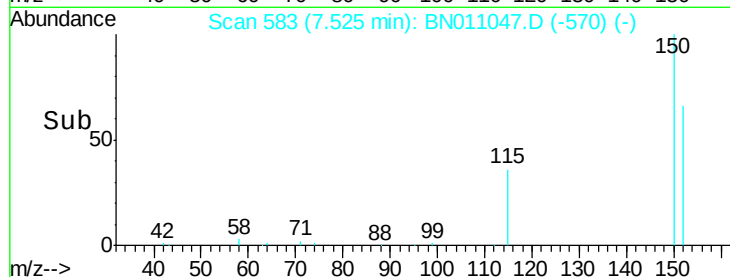
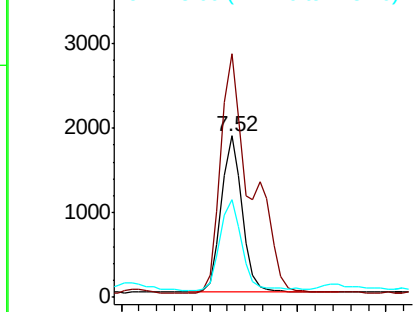
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BN011047.D
Acq: 24 Jun 2020 14:26

Instrument :
BNA_N
ClientSampleId :
SS043MW010-200615

Tot Ion:152 Resp: 3005
Ion Ratio Lower Upper
152 100
150 151.1 121.8 182.8
115 60.9 50.2 75.2



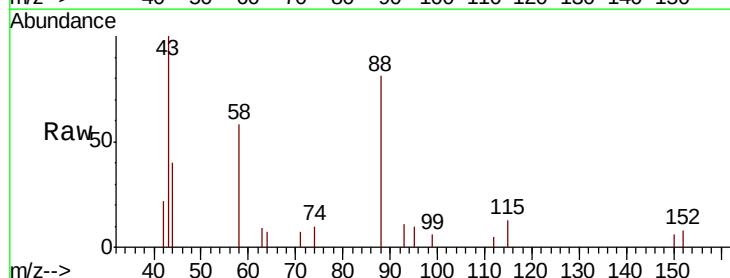
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



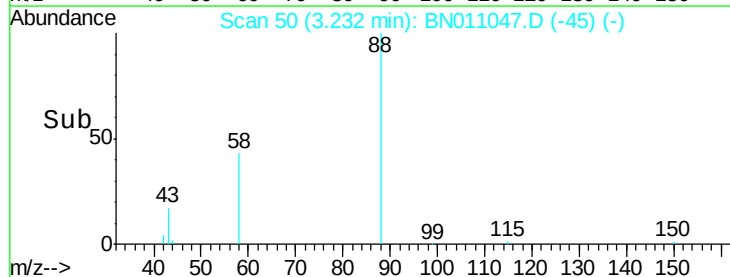
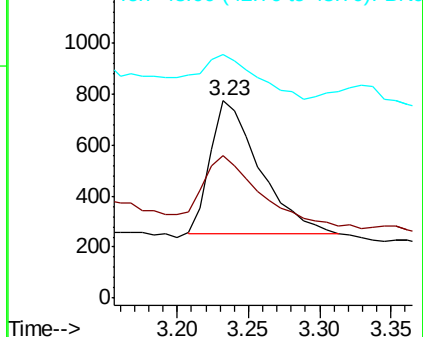
#2

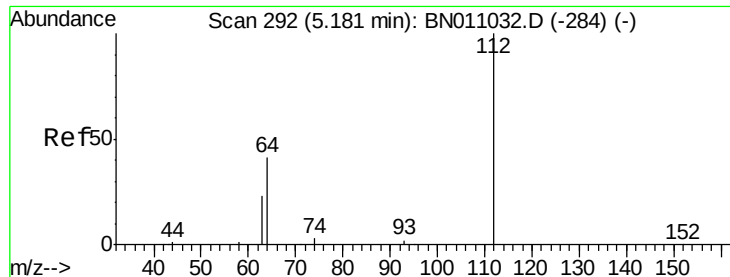
1,4-Dioxane
Concen: 0.307 ng
RT: 3.23 min Scan# 50
Delta R.T. -0.01 min
Lab File: BN011047.D
Acq: 24 Jun 2020 14:26

Tgt Ion: 88 Resp: 1242
Ion Ratio Lower Upper
88 100
58 58.0 38.4 57.6#
43 35.3 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





#4

2-Fluorophenol

Concen: 0.135 ng

RT: 5.19 min Scan# 293

Delta R.T. 0.01 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

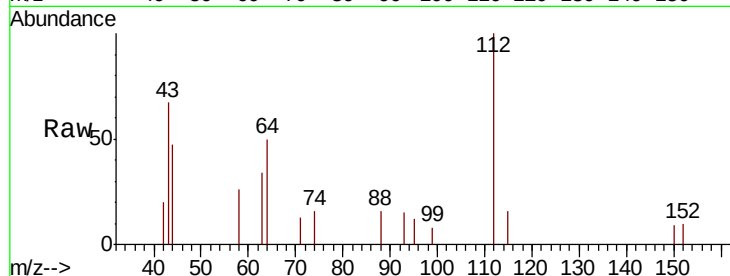
Tot Ion: 112 Resp: 1143

Ion Ratio Lower Upper

112 100

64 42.7 37.3 55.9

63 23.0 20.4 30.6

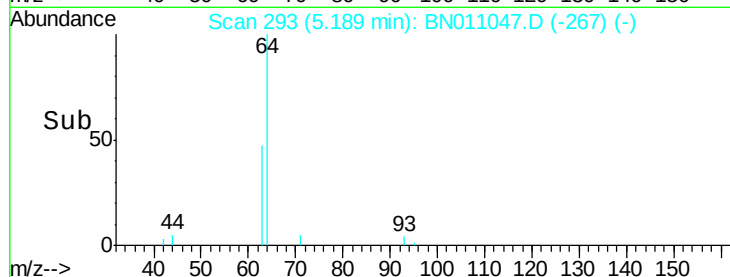


Abundance Ion 112.00 (111.70 to 112.70): B

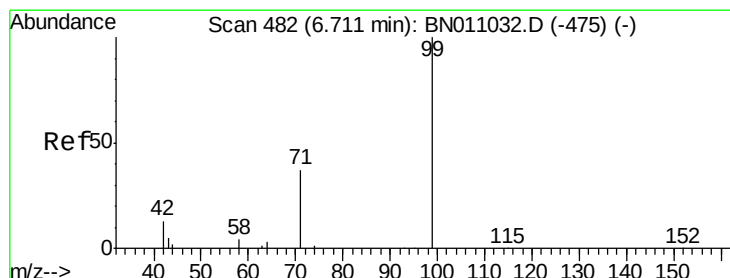
Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B

Time-->



Time-->



#5

Phenol-d6

Concen: 0.081 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.02 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

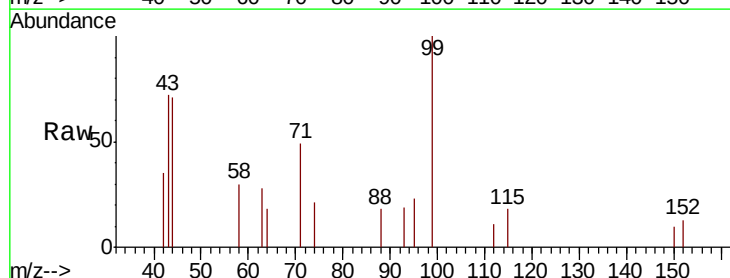
Tgt Ion: 99 Resp: 815

Ion Ratio Lower Upper

99 100

42 26.4 10.6 16.0#

71 50.3 28.7 43.1#

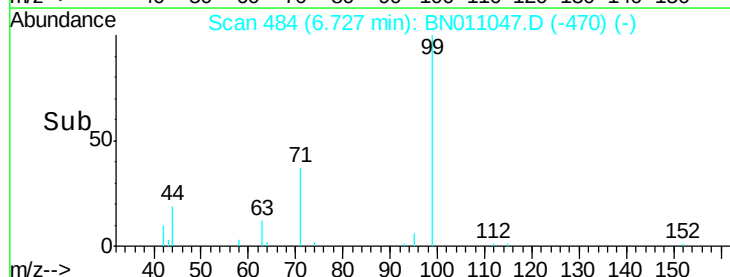


Abundance Ion 99.00 (98.70 to 99.70): B

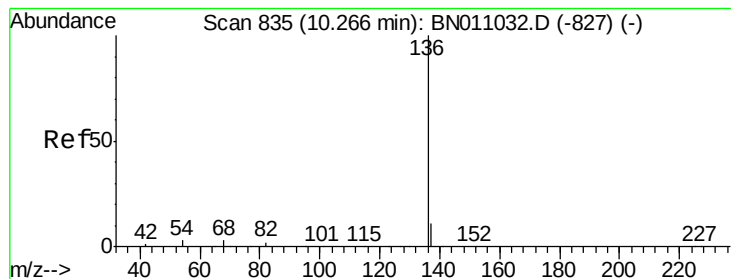
Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B

Time-->



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.27 min Scan# 835

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

Tot Ion:136 Resp: 9966

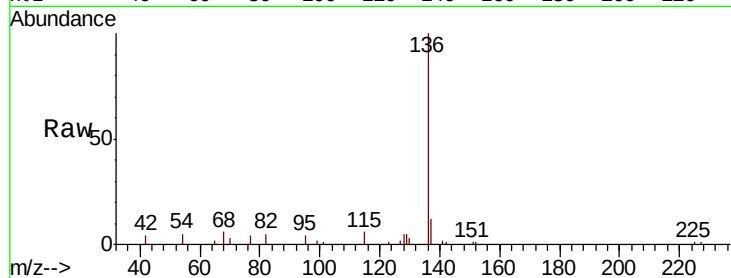
Ion Ratio Lower Upper

136 100

137 12.1 9.6 14.4

54 5.3 3.0 4.4#

68 6.4 3.4 5.2#

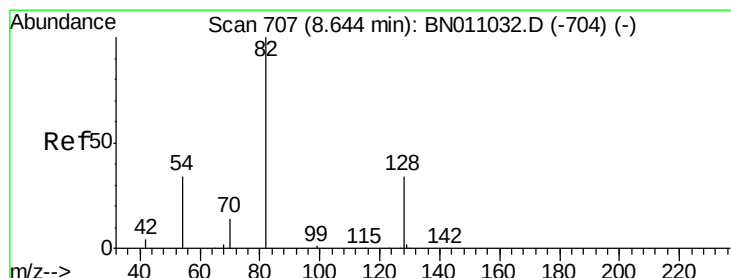
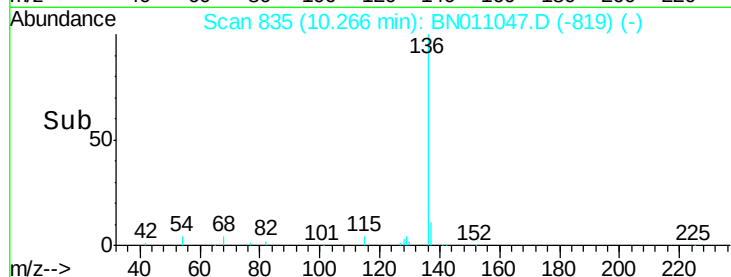
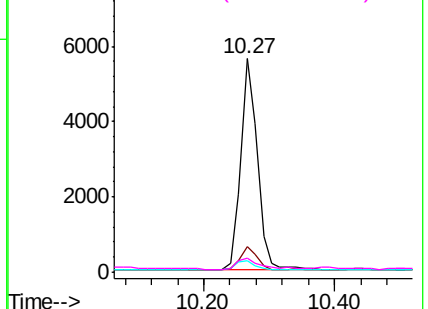


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.336 ng

RT: 8.66 min Scan# 708

Delta R.T. 0.01 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

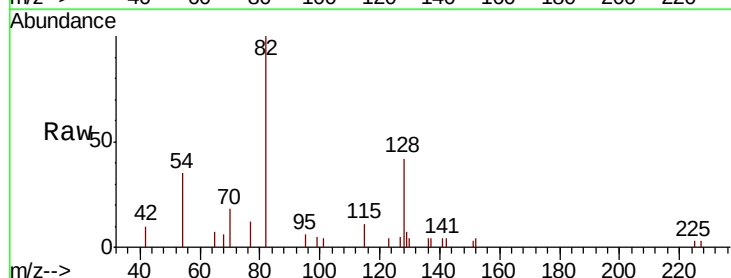
Tgt Ion: 82 Resp: 3051

Ion Ratio Lower Upper

82 100

128 41.7 29.4 44.2

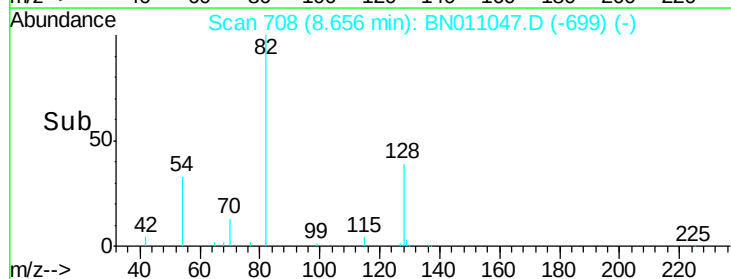
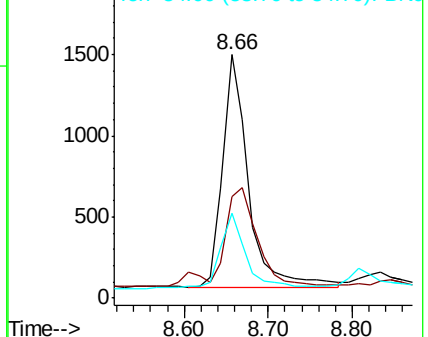
54 35.1 28.8 43.2

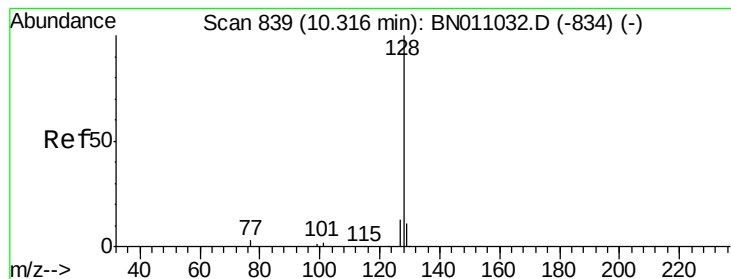


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.062 ng

RT: 10.32 min Scan# 839

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

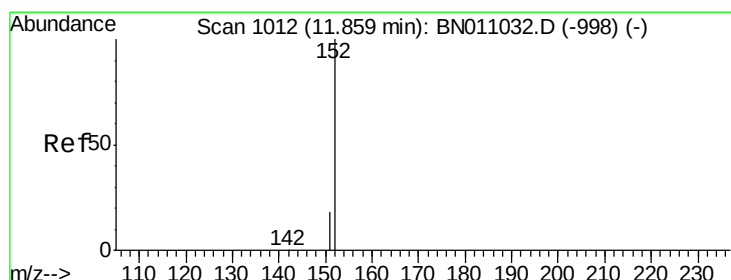
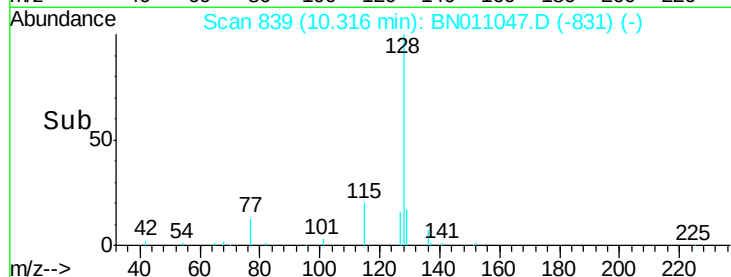
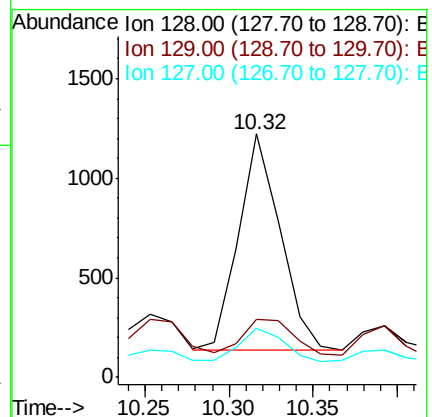
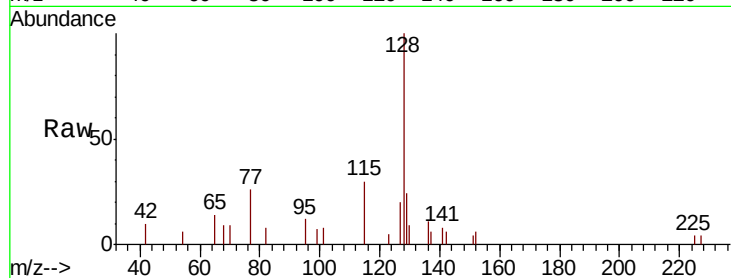
Tot Ion:128 Resp: 1887

Ion Ratio Lower Upper

128 100

129 23.9 9.8 14.6#

127 20.1 10.9 16.3#



#11

2-Methylnaphthalene-d10

Concen: 0.291 ng

RT: 11.86 min Scan# 1013

Delta R.T. 0.00 min

Lab File: BN011047.D

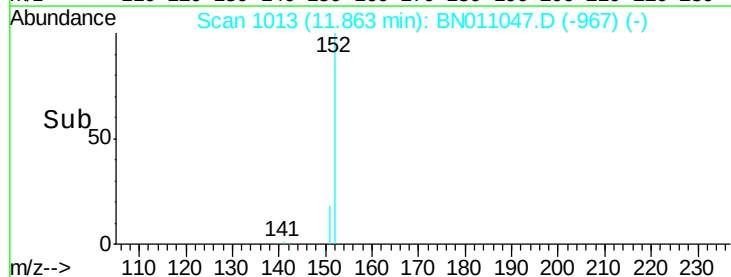
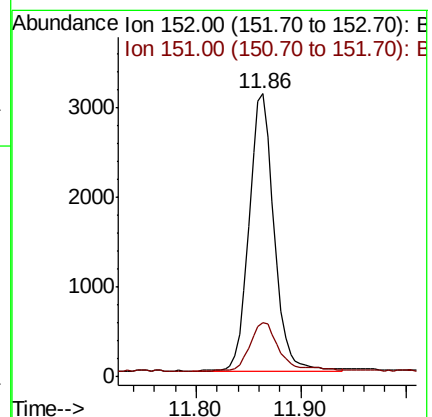
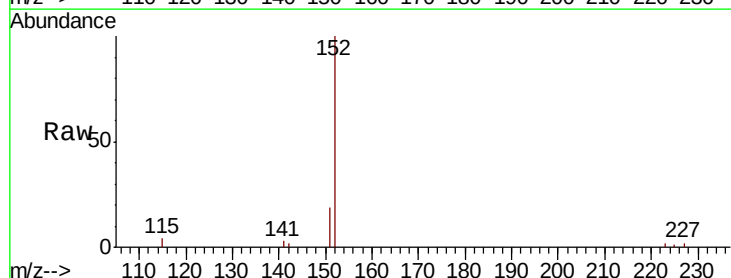
Acq: 24 Jun 2020 14:26

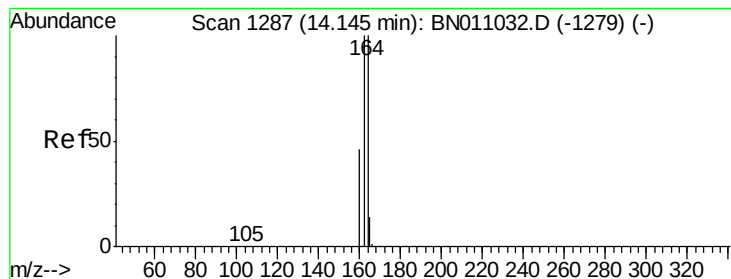
Tgt Ion:152 Resp: 5125

Ion Ratio Lower Upper

152 100

151 21.5 16.2 24.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

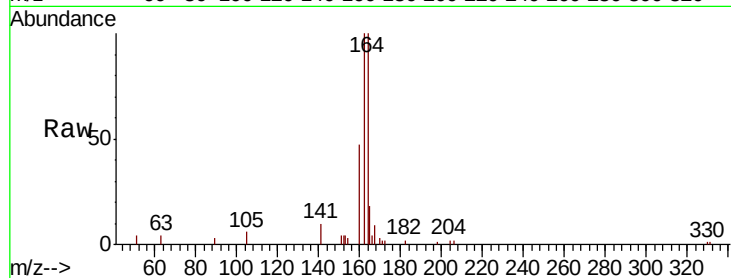
Tot Ion:164 Resp: 5868

Ion Ratio Lower Upper

164 100

162 99.7 80.2 120.4

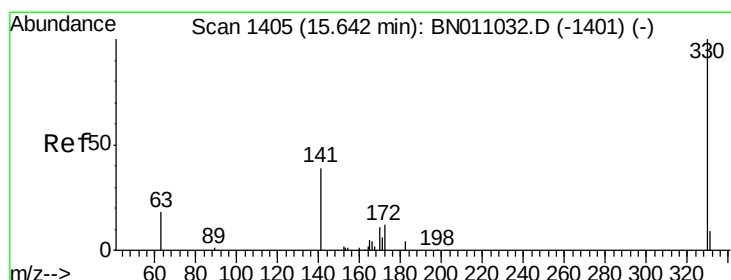
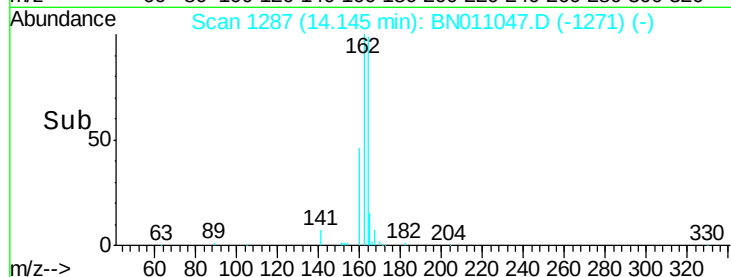
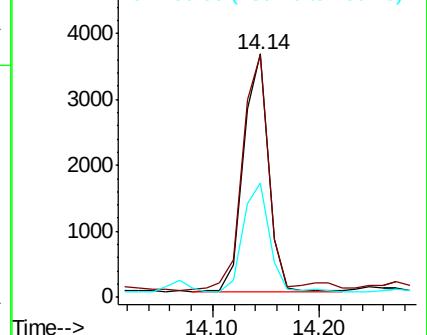
160 46.7 37.7 56.5



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: 0.400 ng

RT: 15.64 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

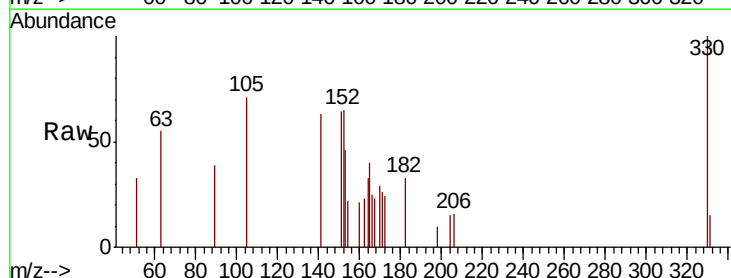
Tgt Ion:330 Resp: 1031

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

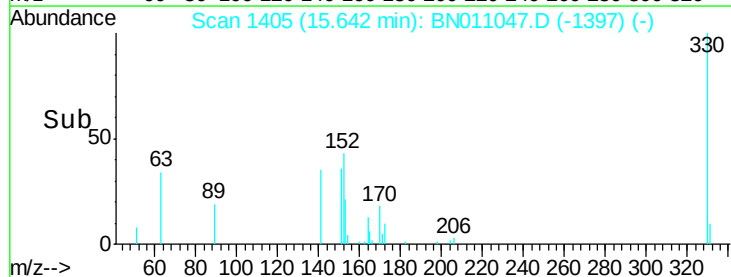
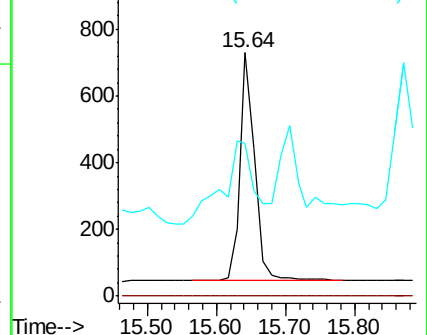
141 58.4 34.5 51.7#

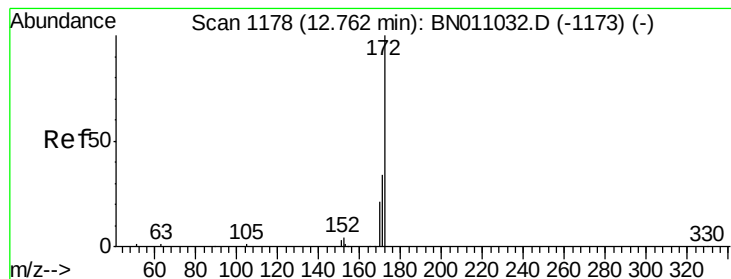


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.356 ng

RT: 12.76 min Scan# 1178

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

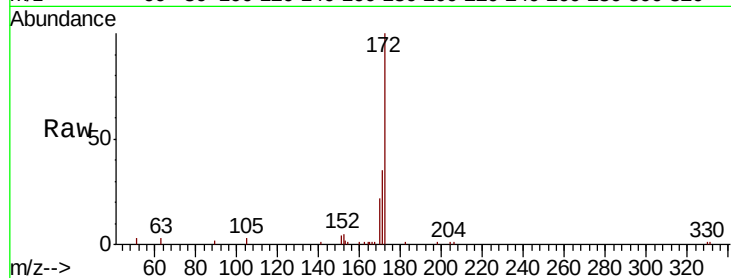
BNA_N

ClientSampleId :

SS043MW010-200615

Tot Ion:172 Resp: 9730

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.2
170	22.3	17.5	26.3

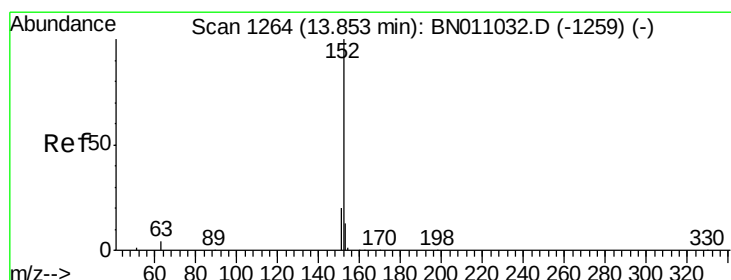
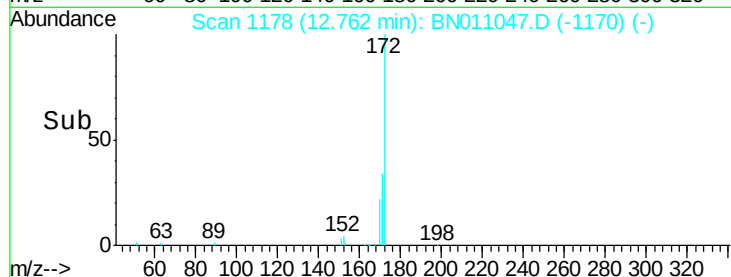
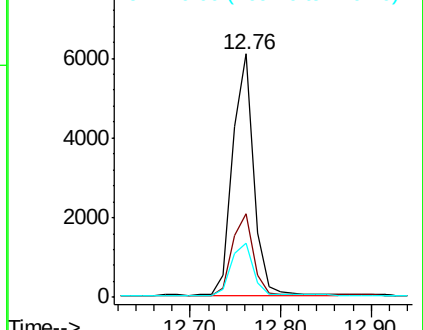


Abundance

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



#16

Acenaphthylene

Concen: 0.034 ng

RT: 13.85 min Scan# 1264

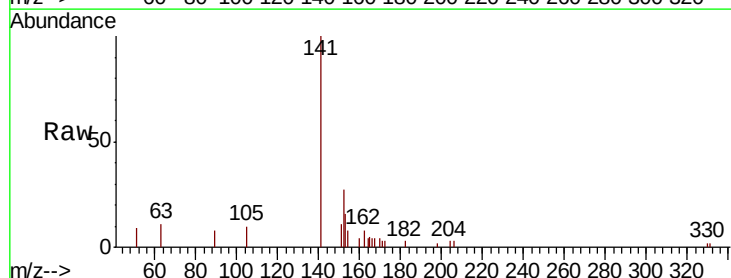
Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Tgt Ion:152 Resp: 1005

Ion	Ratio	Lower	Upper
152	100		
151	47.4	15.6	23.4#
153	60.2	10.2	15.2#

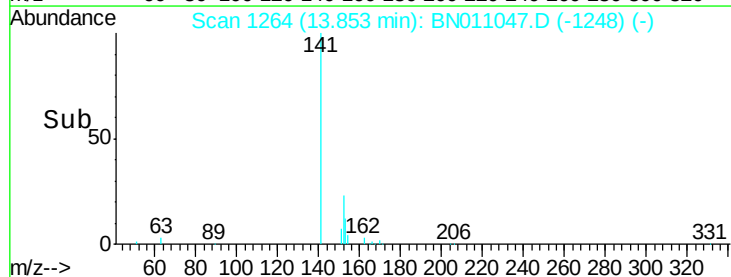
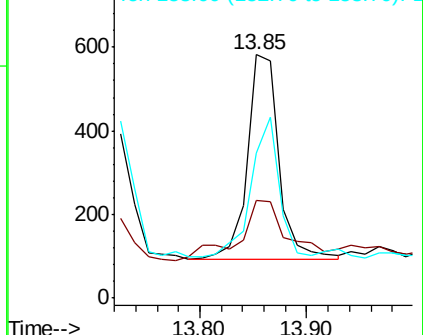


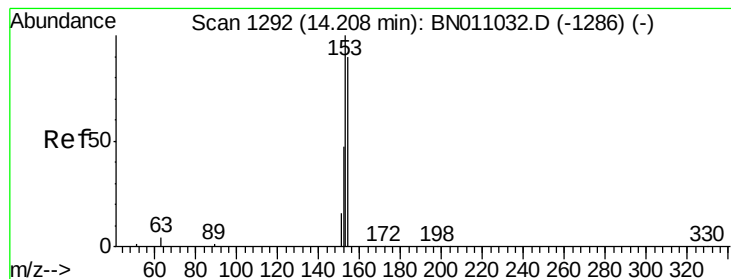
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 6.979 ng

RT: 14.21 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

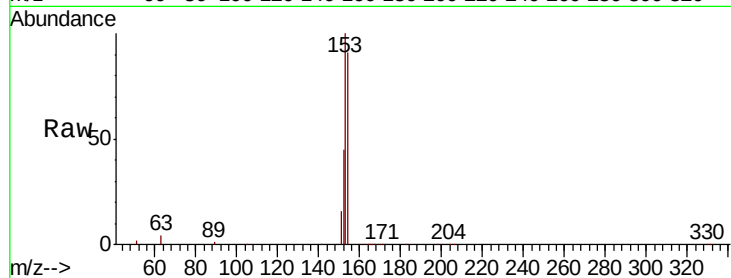
Tot Ion:154 Resp: 138610

Ion	Ratio	Lower	Upper
154	100		
153	113.6	92.3	138.5
152	53.9	45.5	68.3

154 100

153 113.6 92.3 138.5

152 53.9 45.5 68.3

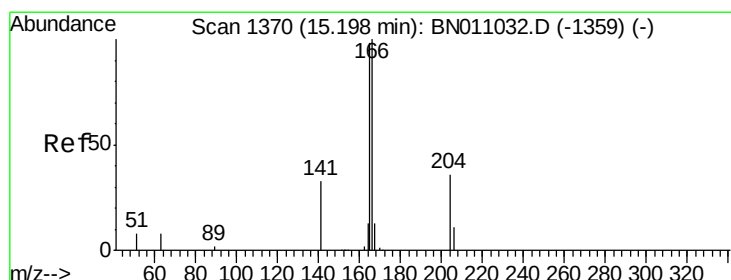
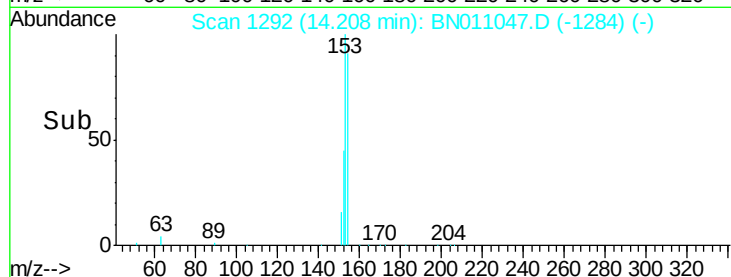
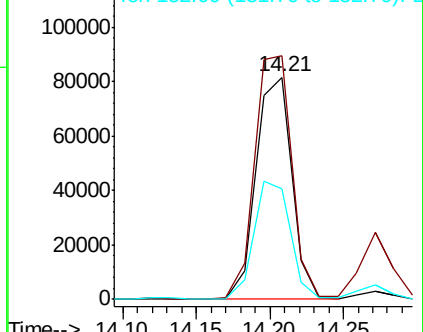


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 5.072 ng

RT: 15.20 min Scan# 1370

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

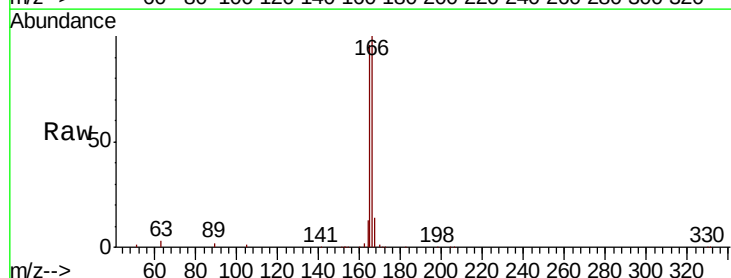
Tgt Ion:166 Resp: 128503

Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.8	116.8
167	14.5	10.8	16.2

166 100

165 96.4 77.8 116.8

167 14.5 10.8 16.2

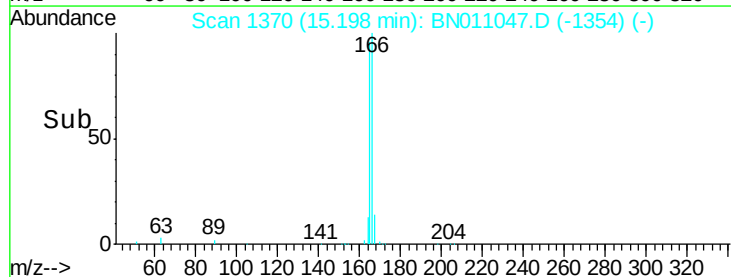
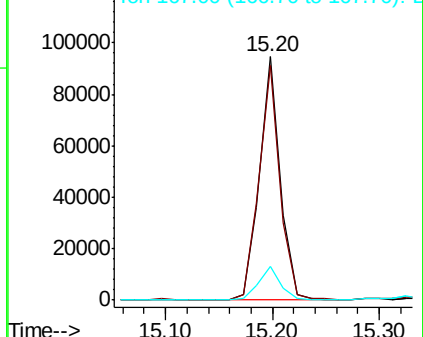


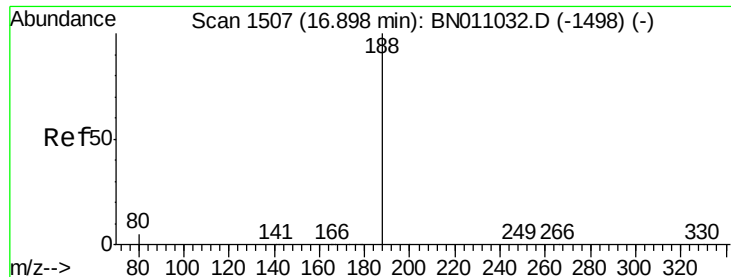
Abundance

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# 1507

Delta R.T. 0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

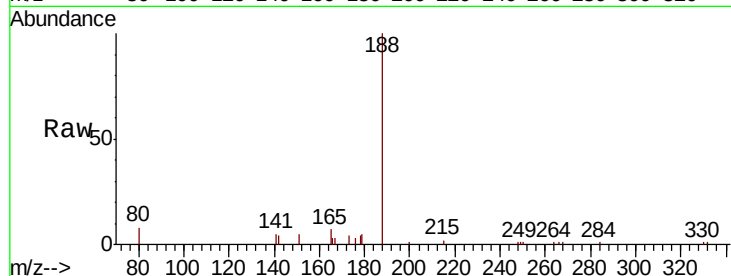
Tot Ion:188 Resp: 12341

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

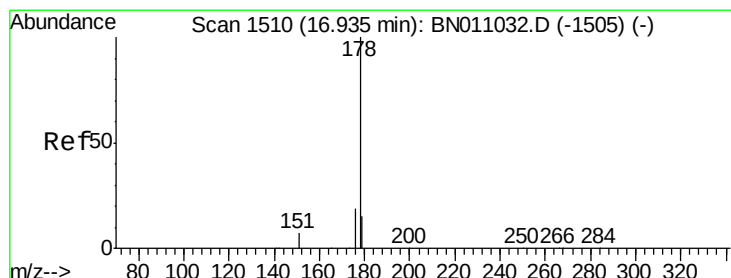
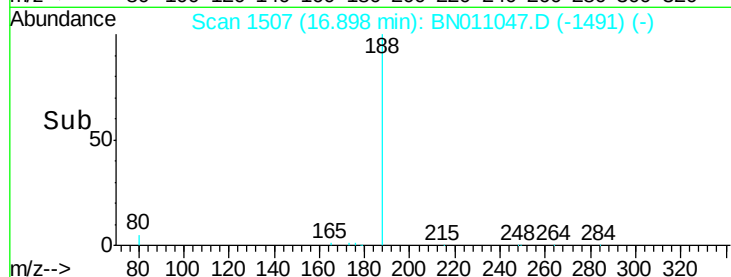
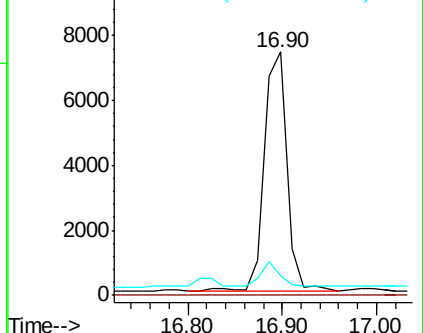
80 8.2 4.6 7.0#



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



#25

Phenanthrene

Concen: 4.108 ng

RT: 16.93 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

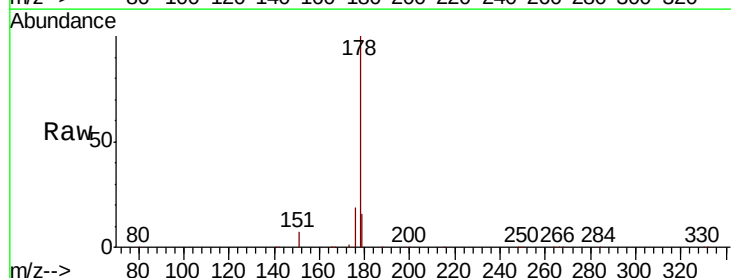
Tgt Ion:178 Resp: 170860

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.6

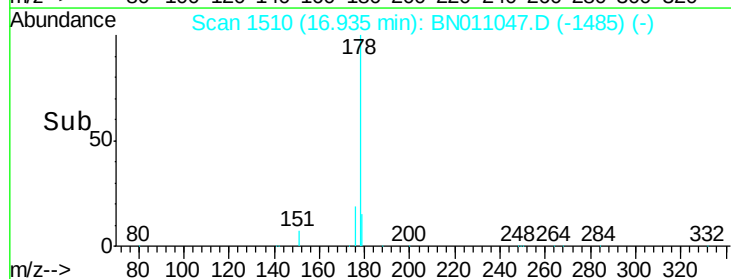
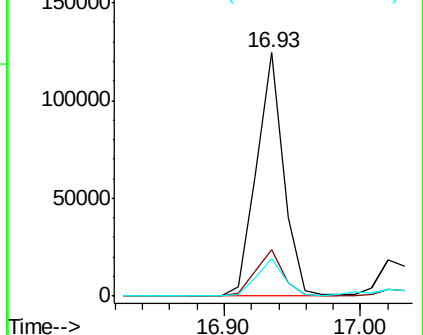
179 15.4 12.3 18.5

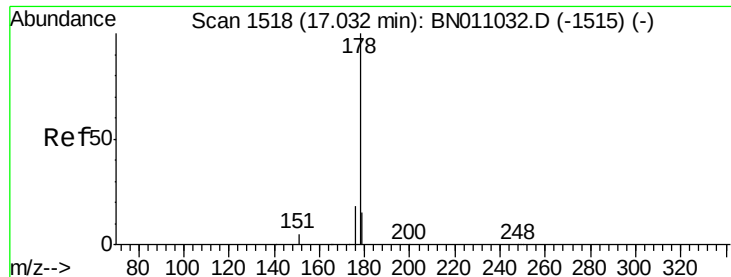


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#26

Anthracene

Concen: 0.807 ng

RT: 17.02 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

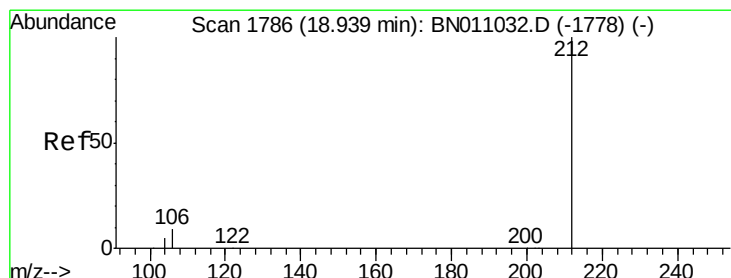
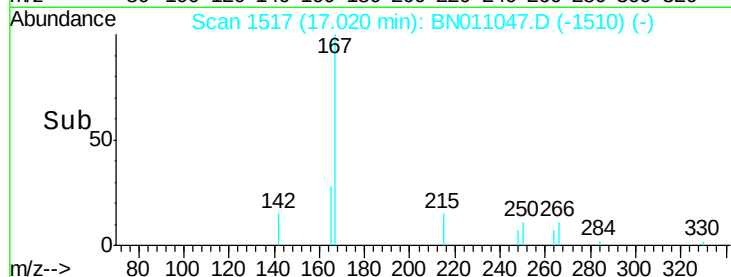
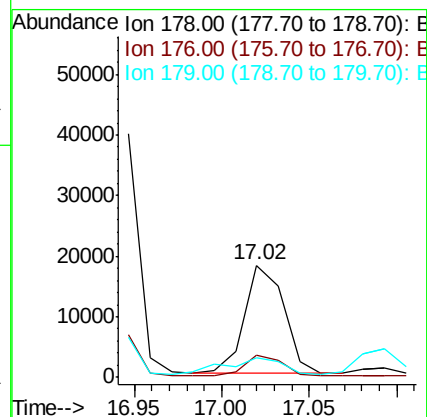
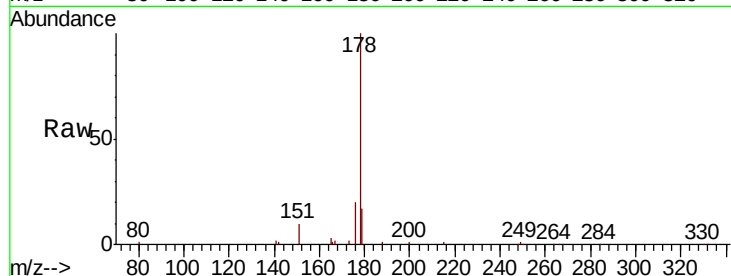
Tot Ion:178 Resp: 27847

Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

179 23.4 12.2 18.4#



#27

Fluoranthene-d10

Concen: 0.327 ng

RT: 18.94 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

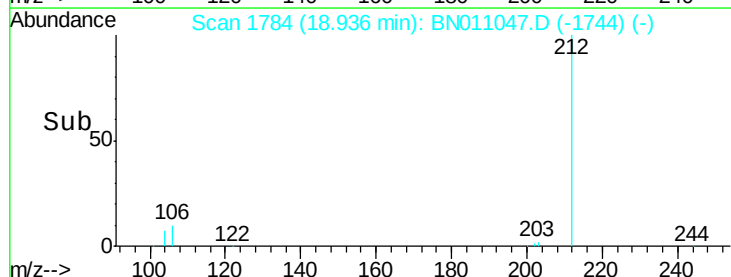
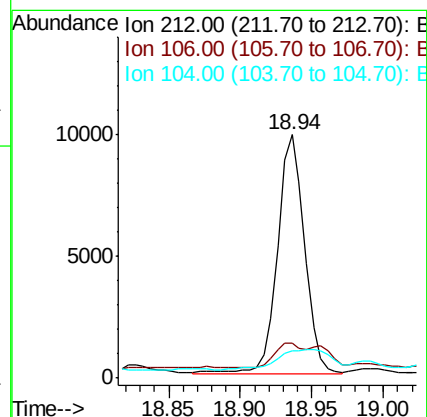
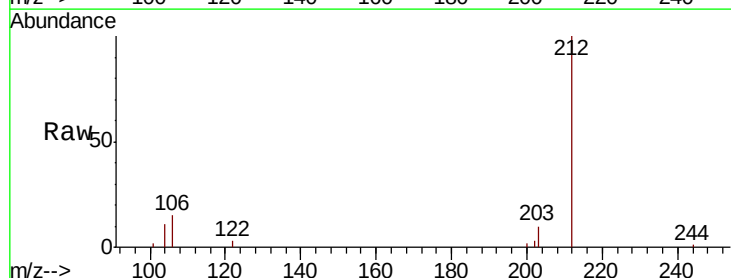
Tgt Ion:212 Resp: 12781

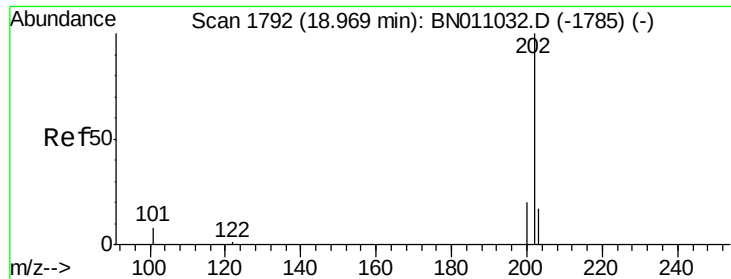
Ion Ratio Lower Upper

212 100

106 11.5 7.7 11.5

104 17.0 4.6 6.8#

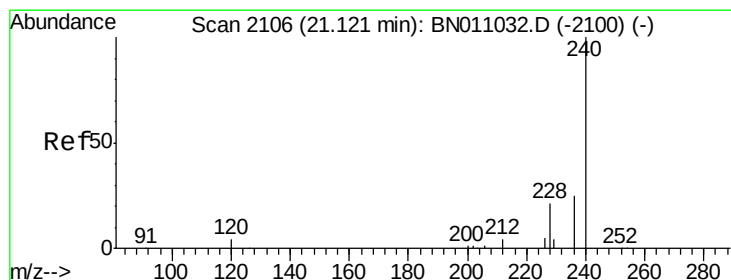
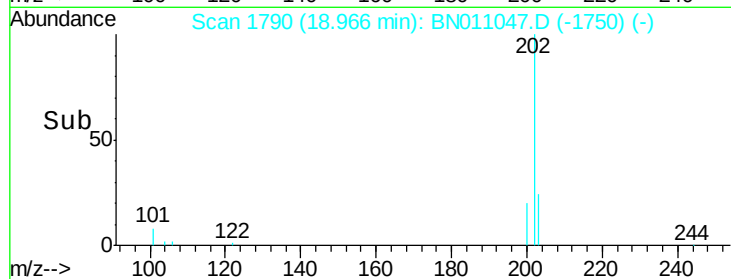
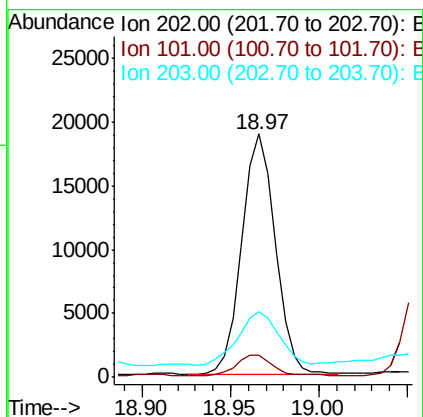
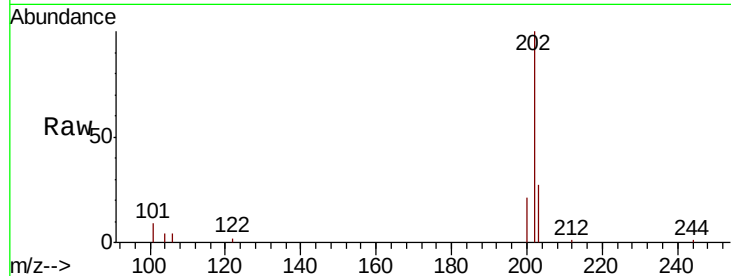




#28
 Fluoranthene
 Concen: 0.515 ng
 RT: 18.97 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: BN011047.D
 Acq: 24 Jun 2020 14:26

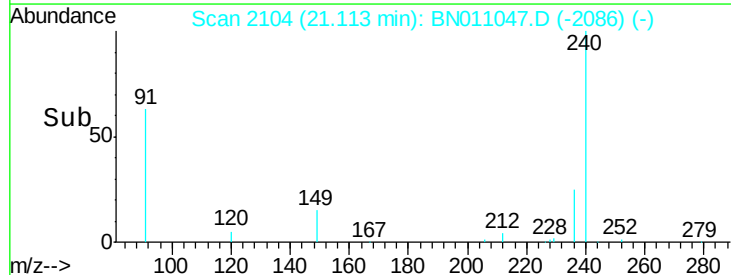
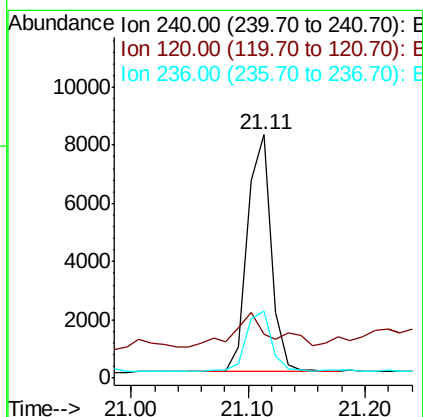
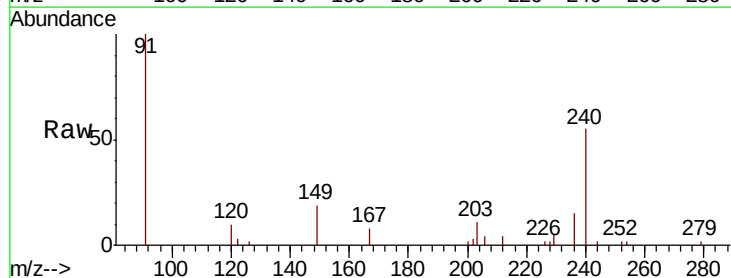
Instrument :
 BNA_N
 ClientSampleId :
 SS043MW010-200615

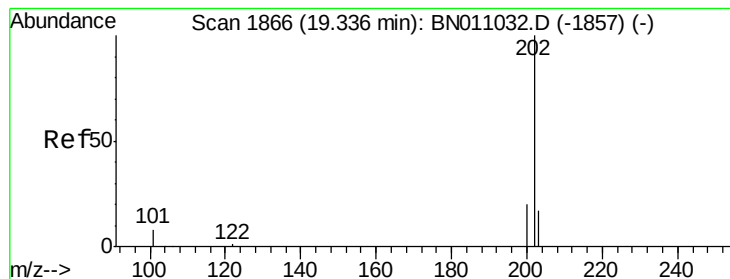
Tot Ion:202 Resp: 24493
 Ion Ratio Lower Upper
 202 100
 101 8.8 6.6 10.0
 203 29.0 13.8 20.6#



#29
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.11 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BN011047.D
 Acq: 24 Jun 2020 14:26

Tgt Ion:240 Resp: 11478
 Ion Ratio Lower Upper
 240 100
 120 18.0 5.4 8.0#
 236 27.5 21.4 32.2





#30

Pvrene

Concen: 0.316 ng

RT: 19.33 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

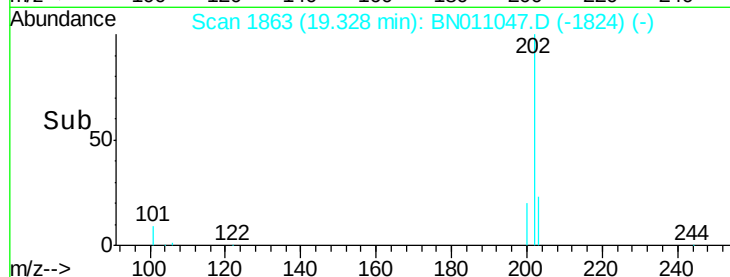
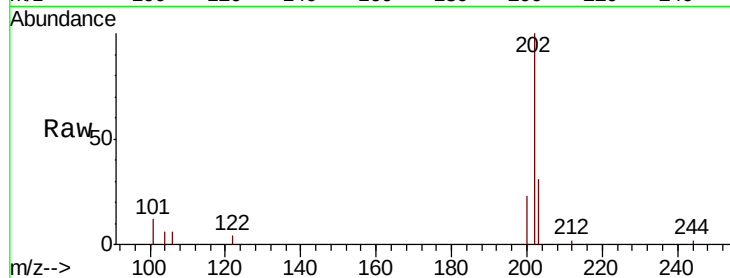
Tot Ion:202 Resp: 13977

Ion Ratio Lower Upper

202 100

200 22.1 16.6 24.8

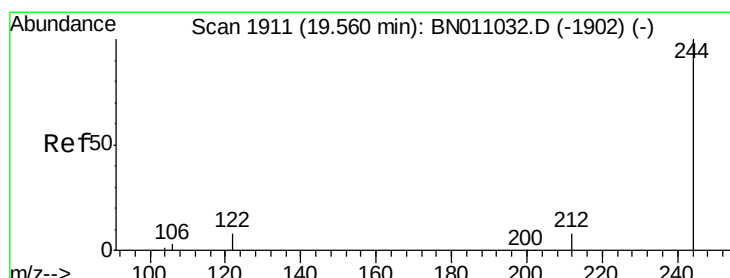
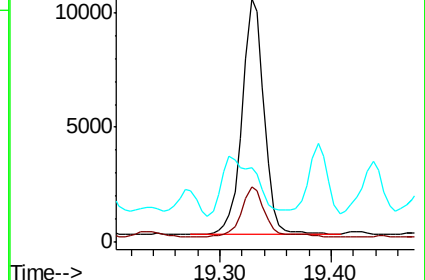
203 39.8 14.2 21.2#



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



#31

Terphenyl-d14

Concen: 0.448 ng

RT: 19.55 min Scan# 1908

Delta R.T. -0.01 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

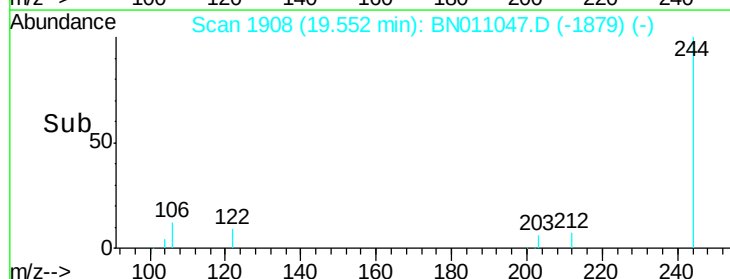
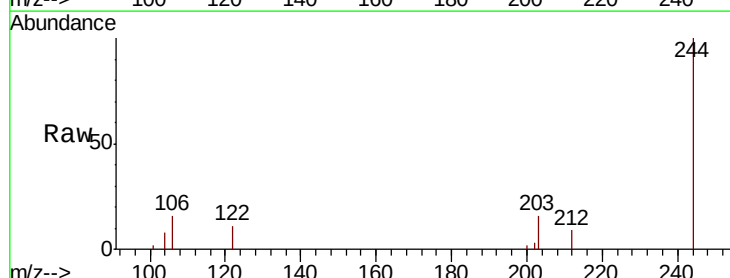
Tgt Ion:244 Resp: 13817

Ion Ratio Lower Upper

244 100

212 9.0 6.9 10.3

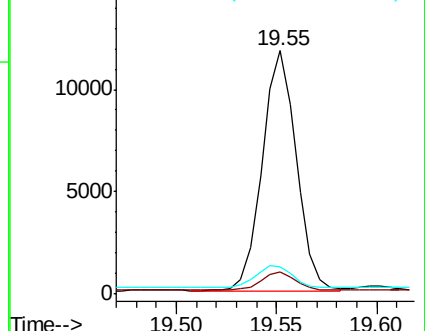
122 11.2 7.4 11.0#

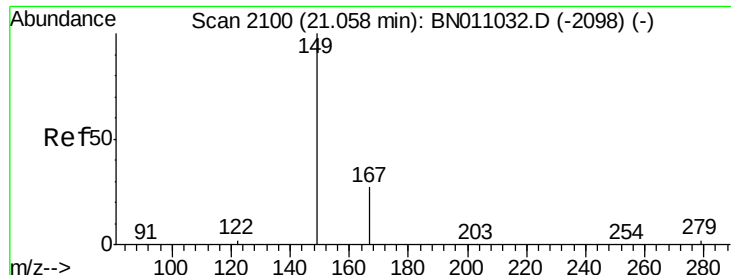


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

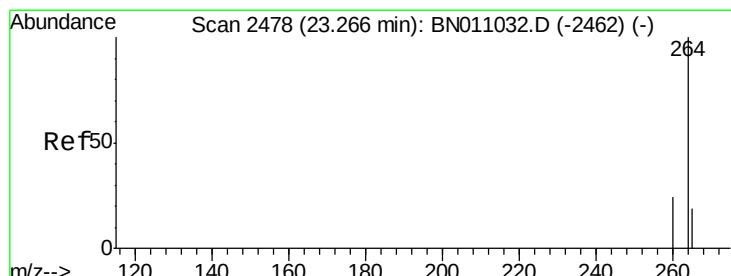
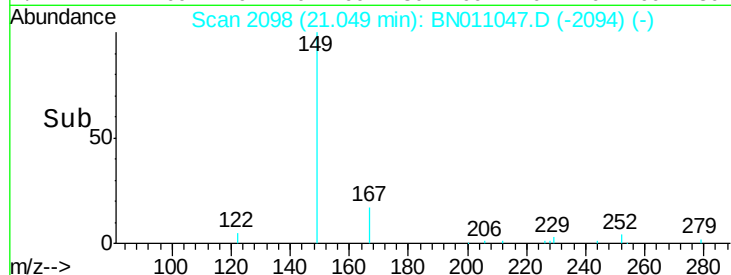
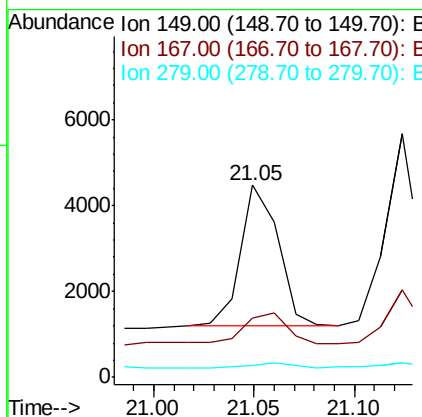
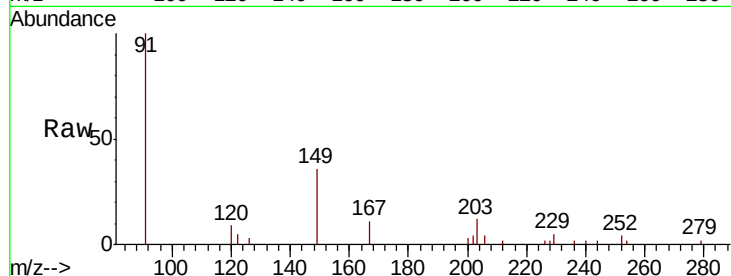




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.264 ng
 RT: 21.05 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BN011047.D
 Acq: 24 Jun 2020 14:26

Instrument :
 BNA_N
 ClientSampleId :
 SS043MW010-200615

Tot Ion:149 Resp: 4221
 Ion Ratio Lower Upper
 149 100
 167 25.7 22.2 33.2
 279 3.7 3.9 5.9#



#36
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.25 min Scan# 2472
 Delta R.T. -0.01 min
 Lab File: BN011047.D
 Acq: 24 Jun 2020 14:26

Tgt Ion:264 Resp: 12040
 Ion Ratio Lower Upper
 264 100
 260 26.1 20.0 30.0
 265 65.2 64.9 97.3

