

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062420\
 Data File : BN011052.D
 Acq On : 24 Jun 2020 17:26
 Operator : CG/JU
 Sample : L3033-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 Z1-DUP-0572-200616

Quant Time: Jun 24 19:03:33 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	40056	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	46895	0.40	ng	0.00
13) Acenaphthene-d10	14.14	164	7396	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	13446	0.40	ng	0.00
29) Chrysene-d12	21.11	240	12195	0.40	ng	0.00
36) Perylene-d12	23.25	264	12386	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	3436	0.03	ng	0.03
5) Phenol-d6	6.77	99	4122	0.03	ng	0.06
8) Nitrobenzene-d5	8.72	82	47337	1.11	ng	0.08
11) 2-Methylnaphthalene-d10	11.87	152	7524	0.09	ng	0.01
14) 2,4,6-Tribromophenol	15.65	330	1631	0.50	ng	0.01
15) 2-Fluorobiphenyl	12.77	172	12160	0.35	ng	0.01
27) Fluoranthene-d10	18.94	212	14389	0.34	ng	0.00
31) Terphenyl-d14	19.55	244	14407	0.44	ng	0.00

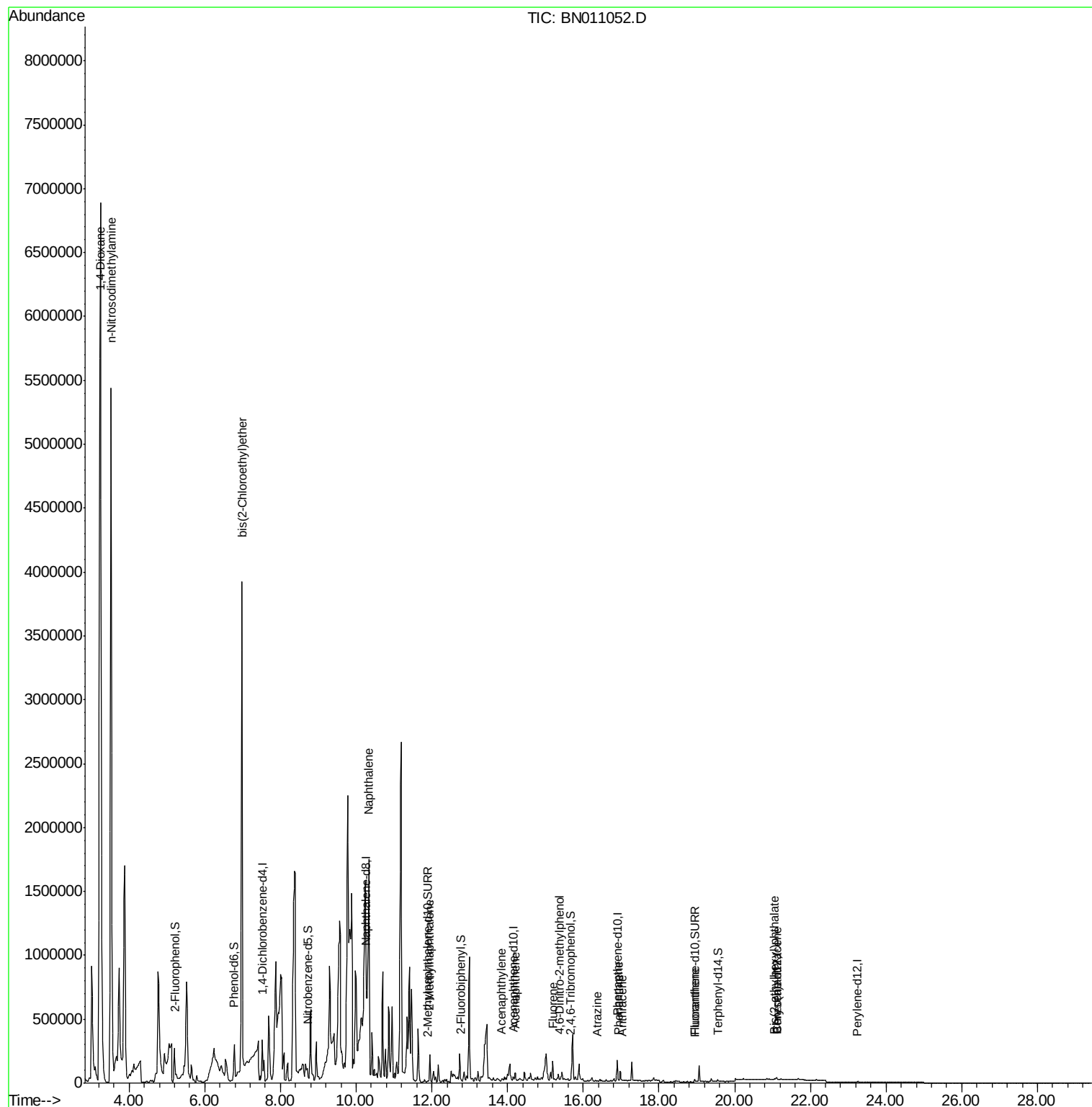
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	10837365	201.252	ng	99
3) n-Nitrosodimethylamine	3.52	42	730607	24.319	ng	# 1
6) bis(2-Chloroethyl)ether	6.99	93	3377049	29.242	ng	96
9) Naphthalene	10.33	128	1441287	10.119	ng	98
12) 2-Methylnaphthalene	11.95	142	135228	1.418	ng	# 93
16) Acenaphthylene	13.84	152	976	0.026	ng	# 1
17) Acenaphthene	14.21	154	1454	0.058	ng	# 18
18) Fluorene	15.21	166	2877	0.090	ng	# 57
20) 4,6-Dinitro-2-methylphenol	15.36	198	1096	0.487	ng	# 1
23) Atrazine	16.36	200	3446	0.501	ng	# 52
25) Phenanthrene	16.93	178	2374	0.052	ng	# 60
26) Anthracene	17.03	178	1519	0.040	ng	# 1
28) Fluoranthene	18.97	202	1137	0.022	ng	# 89
32) Benzo(a)anthracene	21.12	228	1066	0.025	ng	# 1
34) Bis(2-ethylhexyl)phthalate	21.05	149	8472	0.499	ng	# 86

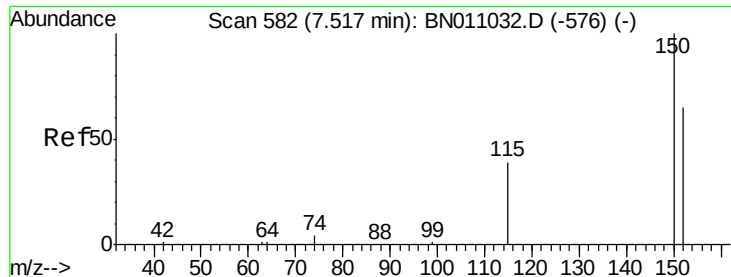
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062420\
Data File : BN011052.D
Acq On : 24 Jun 2020 17:26
Operator : CG/JU
Sample : L3033-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
Z1-DUP-0572-200616

Quant Time: Jun 24 19:03:33 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.52 min Scan# 583

Delta R.T. 0.01 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0572-200616

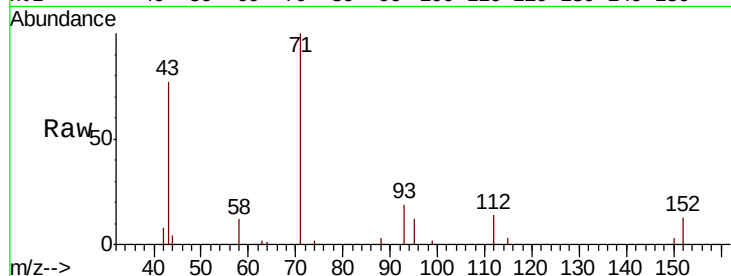
Tot Ion:152 Resp: 40056

Ion Ratio Lower Upper

152 100

150 21.7 121.8 182.8#

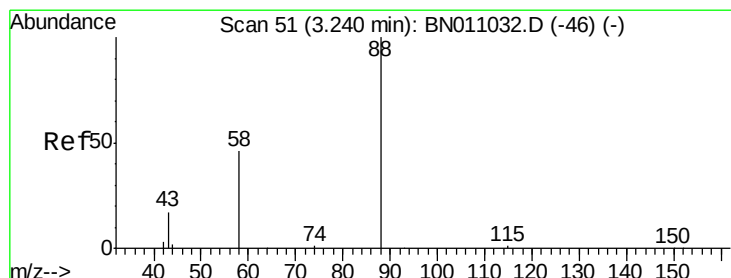
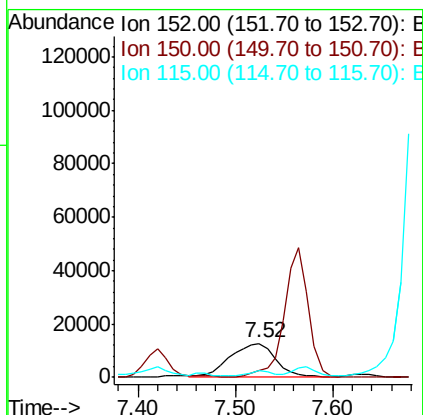
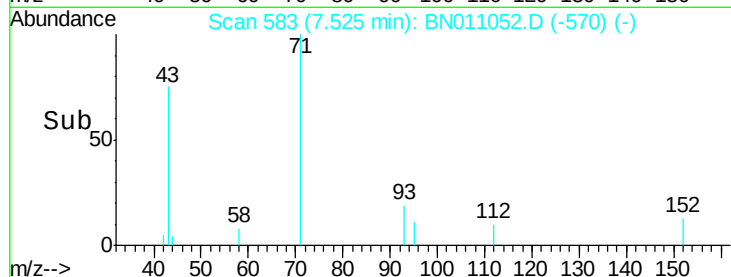
115 21.3 50.2 75.2#



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: 201.252 ng

RT: 3.24 min Scan# 51

Delta R.T. -0.00 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

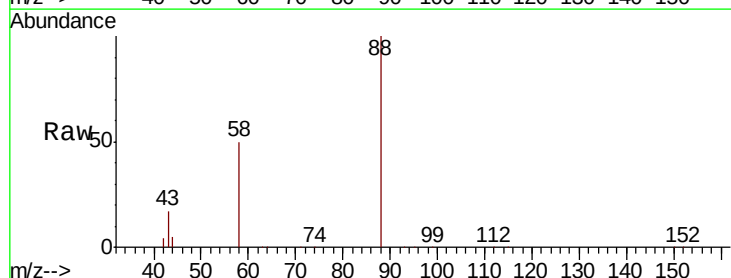
Tgt Ion: 88 Resp:10837365

Ion Ratio Lower Upper

88 100

58 48.1 38.4 57.6

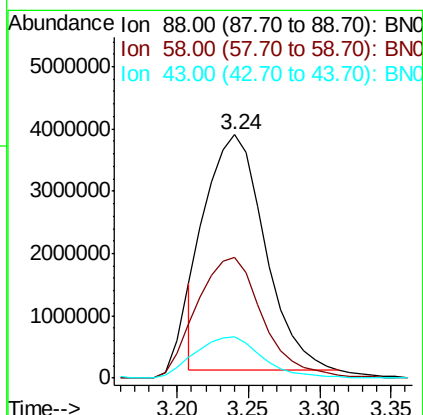
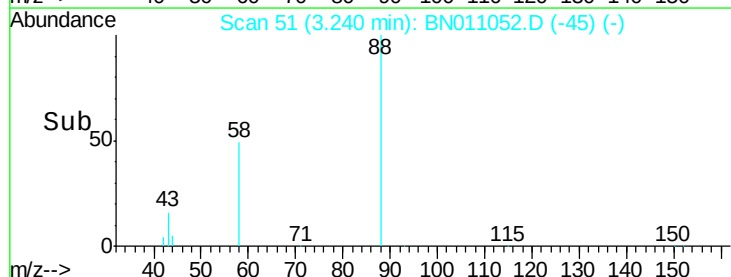
43 16.6 14.2 21.4

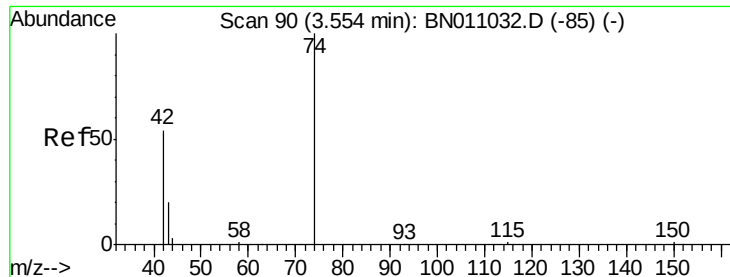


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 24.319 ng

RT: 3.52 min Scan# 86

Delta R.T. -0.03 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0572-200616

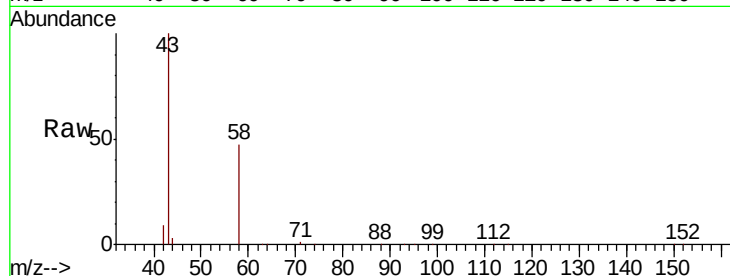
Tot Ion: 42 Resp: 730607

Ion Ratio Lower Upper

42 100

74 1.3 154.8 232.2#

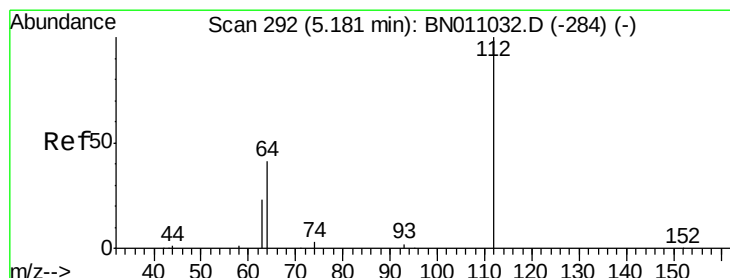
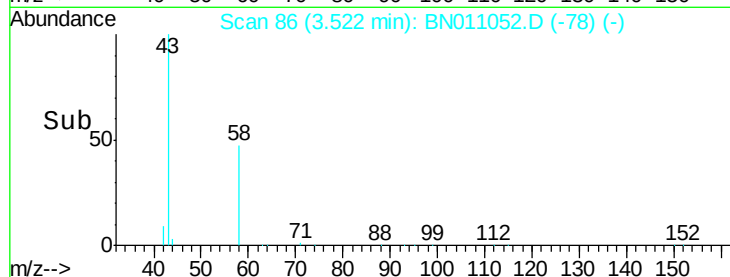
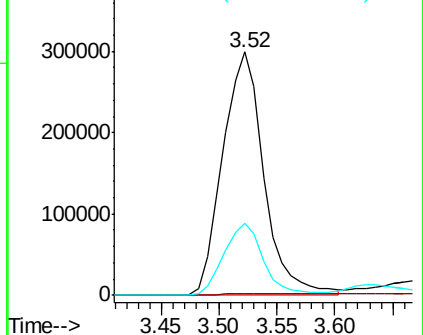
44 28.2 4.8 7.2#



Abundance Ion 42.00 (41.70 to 42.70): BN011032.D (-85) (-)

Ion 74.00 (73.70 to 74.70): BN011032.D (-85) (-)

Ion 44.00 (43.70 to 44.70): BN011032.D (-85) (-)



#4

2-Fluorophenol

Concen: 0.030 ng

RT: 5.21 min Scan# 296

Delta R.T. 0.03 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

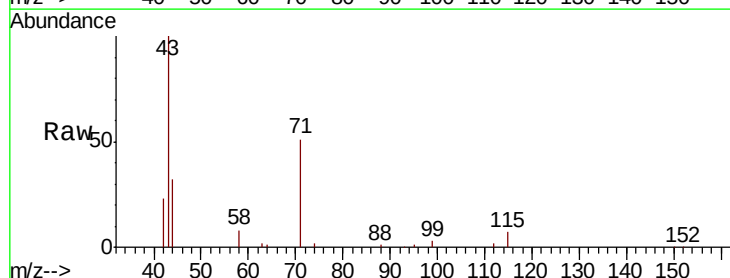
Tgt Ion: 112 Resp: 3436

Ion Ratio Lower Upper

112 100

64 0.0 37.3 55.9#

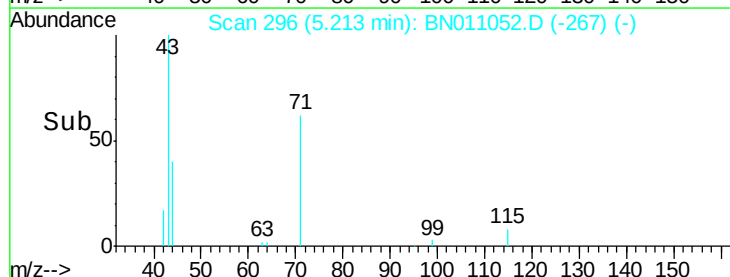
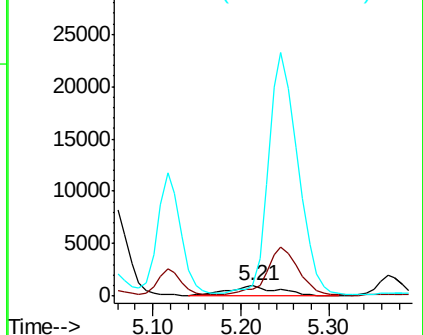
63 0.0 20.4 30.6#

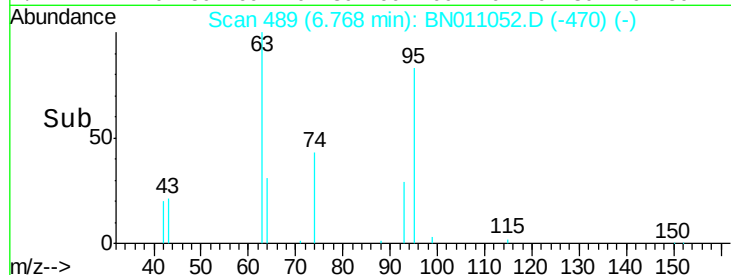
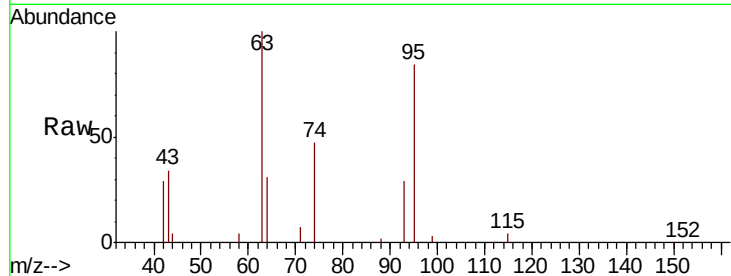
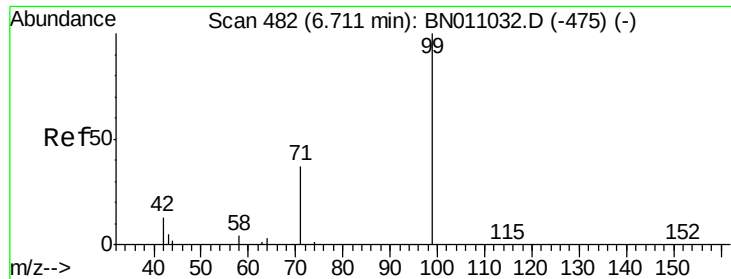


Abundance Ion 112.00 (111.70 to 112.70): BN011032.D (-284) (-)

Ion 64.00 (63.70 to 64.70): BN011032.D (-284) (-)

Ion 63.00 (62.70 to 63.70): BN011032.D (-284) (-)





#5

Phenol-d6

Concen: 0.031 ng

RT: 6.77 min Scan# 489

Delta R.T. 0.06 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0572-200616

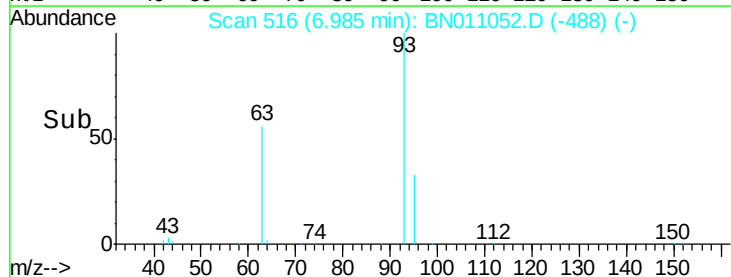
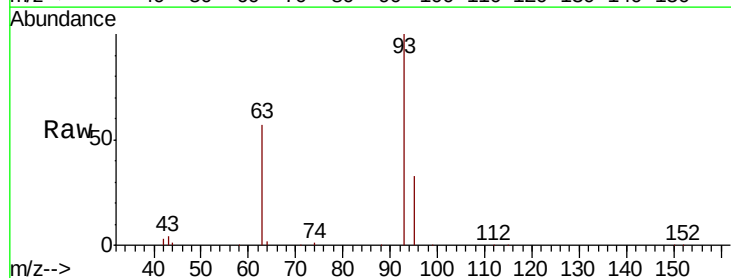
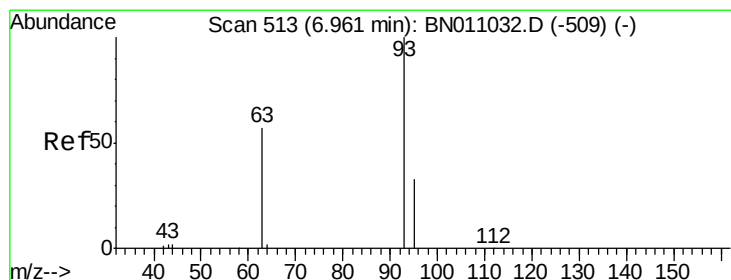
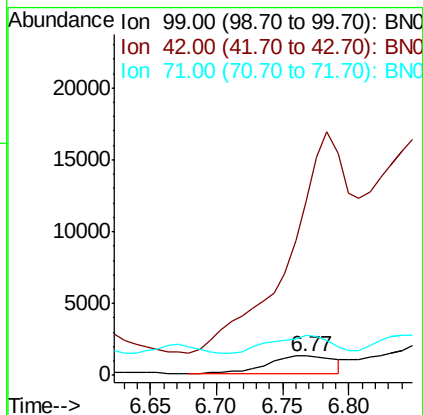
Tot Ion: 99 Resp: 4122

Ion Ratio Lower Upper

99 100

42 1251.4 10.6 16.0#

71 95.0 28.7 43.1#



#6

bis(2-Chloroethyl)ether

Concen: 29.242 ng

RT: 6.99 min Scan# 516

Delta R.T. 0.02 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

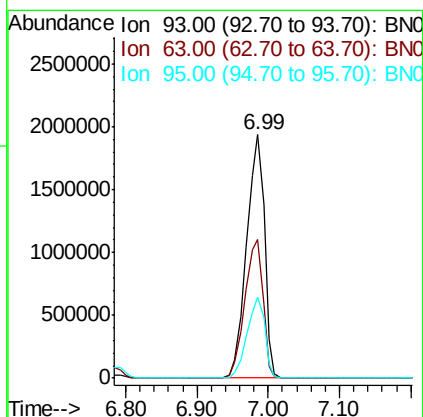
Tgt Ion: 93 Resp: 3377049

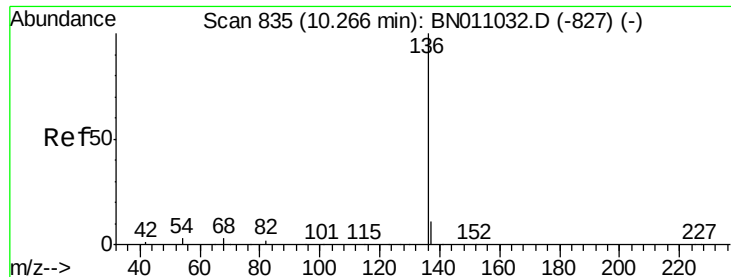
Ion Ratio Lower Upper

93 100

63 58.0 43.7 65.5

95 33.1 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: BN011052.D

Acq: 24 Jun 2020 17:26

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0572-200616

Tot Ion:136 Resp: 46895

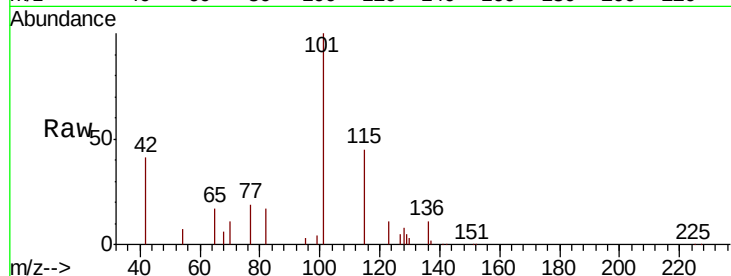
Ion Ratio Lower Upper

136 100

137 13.8 9.6 14.4

54 60.4 3.0 4.4#

68 56.5 3.4 5.2#

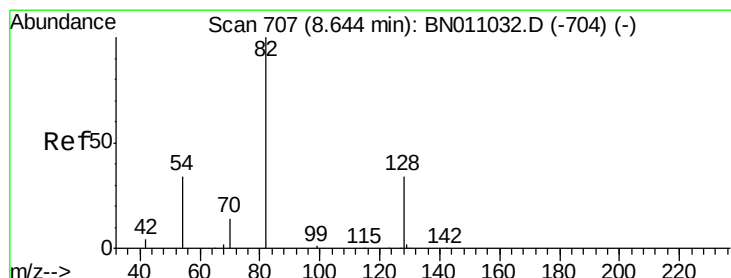
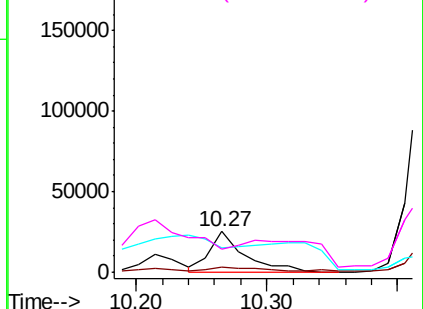
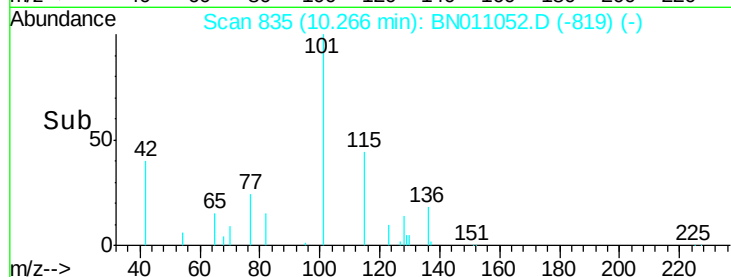


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.108 ng

RT: 8.72 min Scan# 713

Delta R.T. 0.08 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

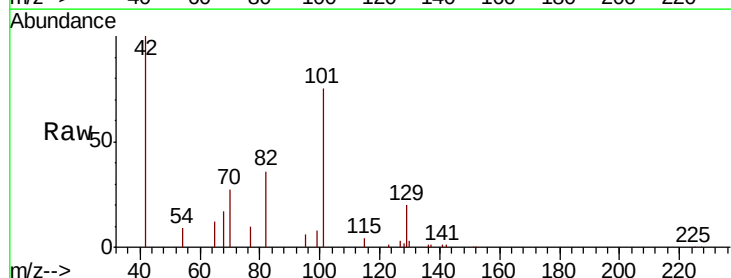
Tgt Ion: 82 Resp: 47337

Ion Ratio Lower Upper

82 100

128 4.5 29.4 44.2#

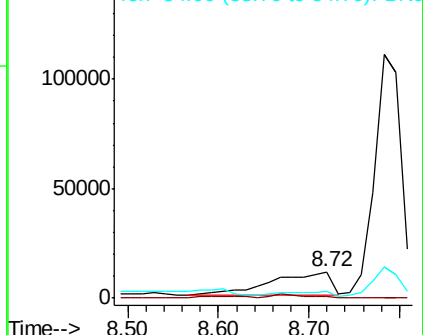
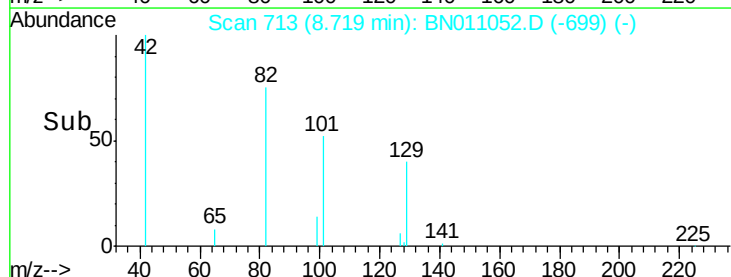
54 24.5 28.8 43.2#

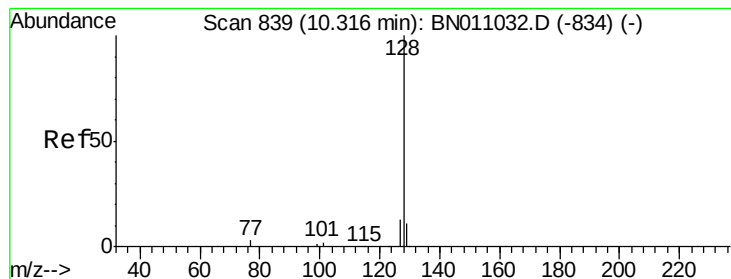


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 10.119 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.01 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

Instrument :

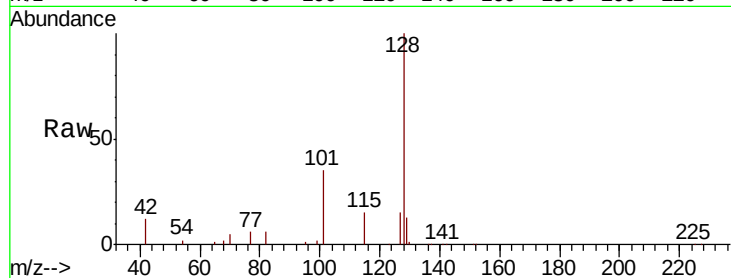
BNA_N

ClientSampleId :

Z1-DUP-0572-200616

Tot Ion:128 Resp: 1441287

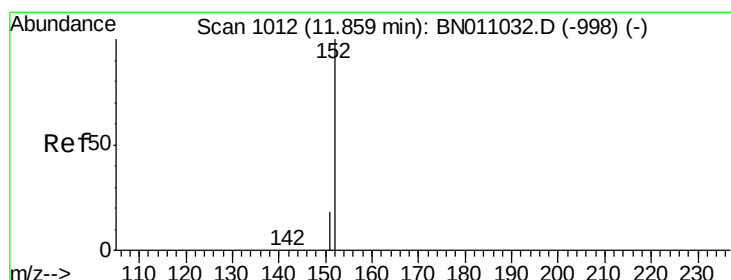
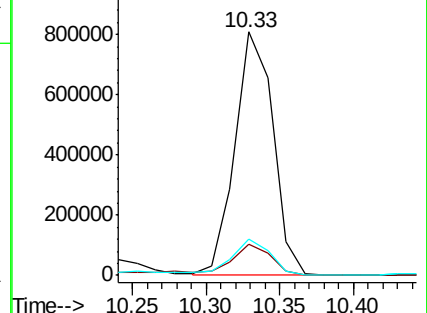
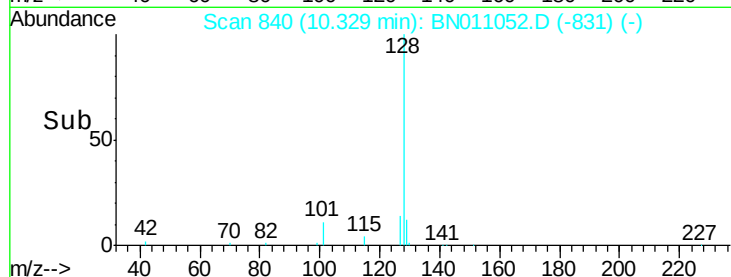
Ion	Ratio	Lower	Upper
128	100		
129	12.5	9.8	14.6
127	14.7	10.9	16.3



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: 0.091 ng

RT: 11.87 min Scan# 1015

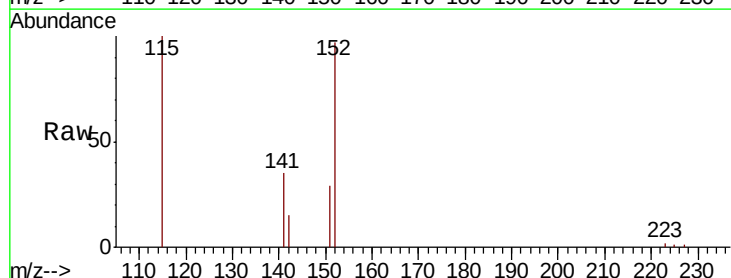
Delta R.T. 0.01 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

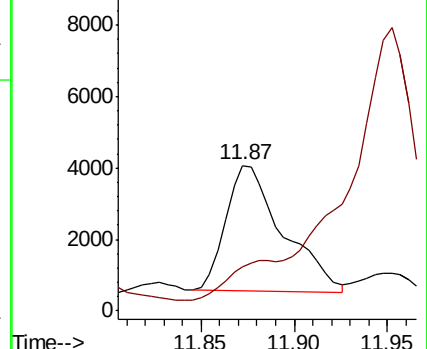
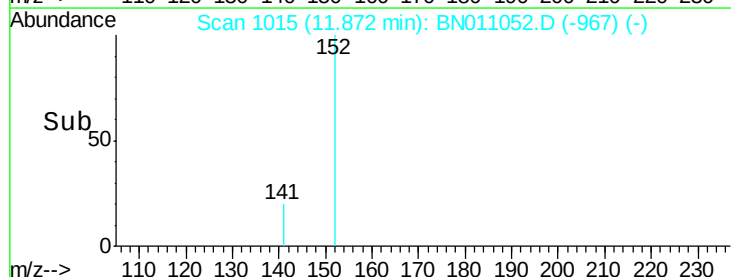
Tgt Ion:152 Resp: 7524

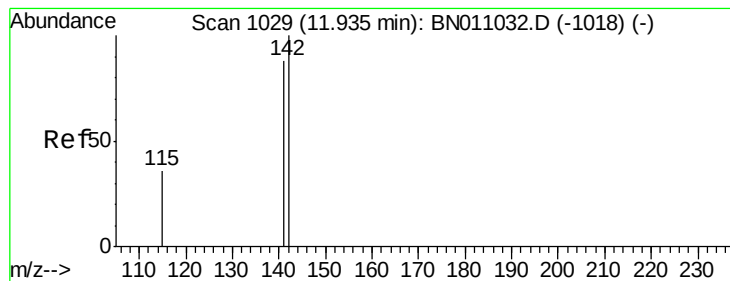
Ion	Ratio	Lower	Upper
152	100		
151	0.0	16.2	24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 1.418 ng

RT: 11.95 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0572-200616

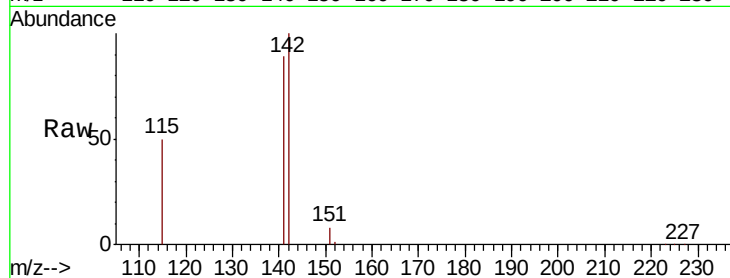
Tot Ion:142 Resp: 135228

Ion Ratio Lower Upper

142 100

141 88.6 70.6 106.0

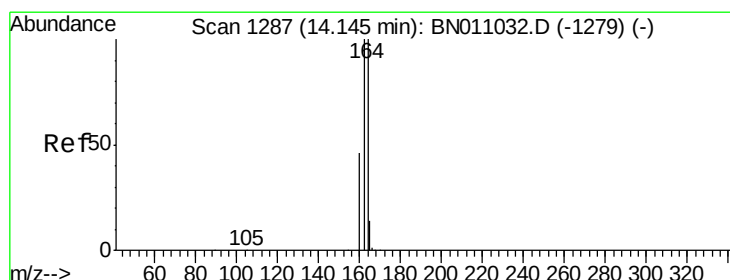
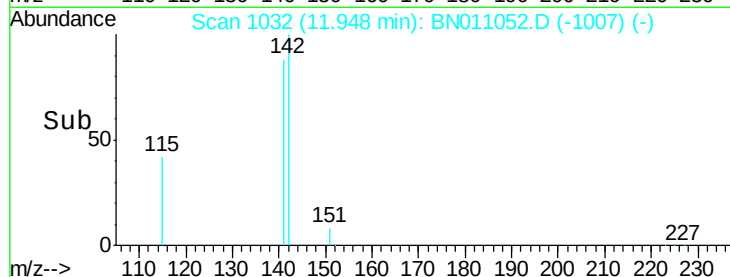
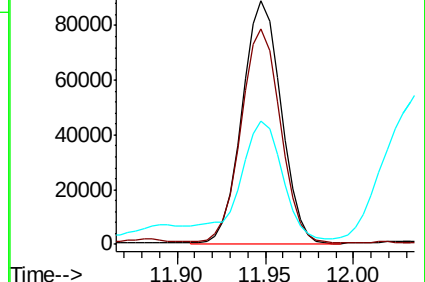
115 50.5 30.2 45.2#



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



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

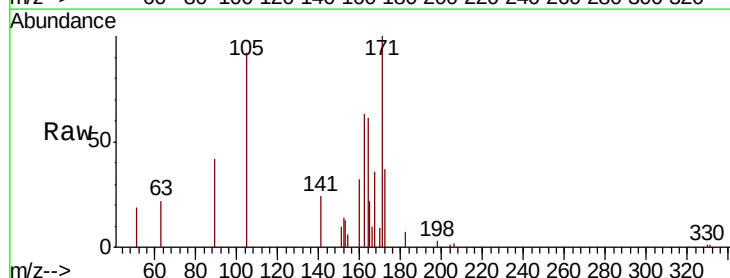
Tgt Ion:164 Resp: 7396

Ion Ratio Lower Upper

164 100

162 103.6 80.2 120.4

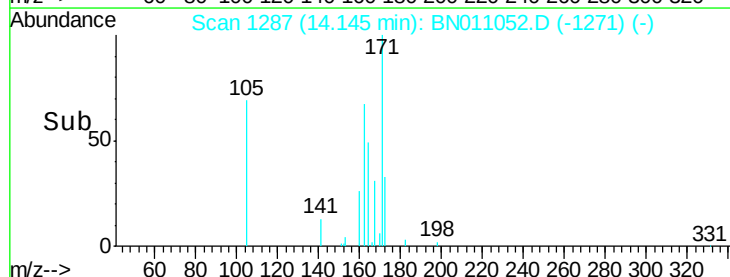
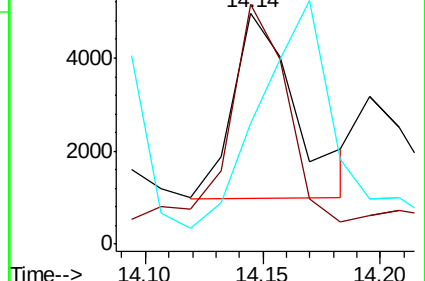
160 52.3 37.7 56.5

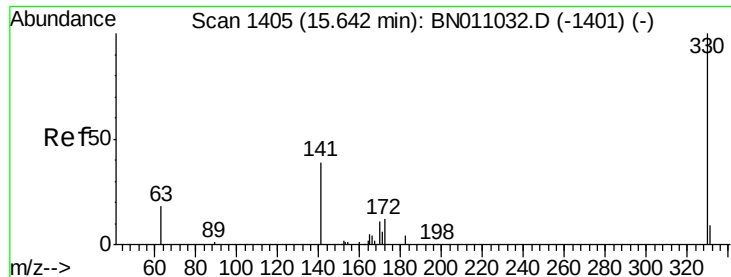


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

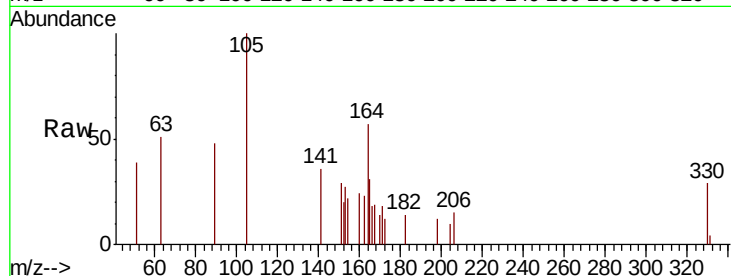




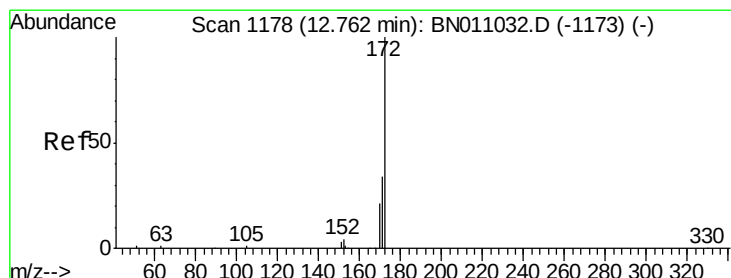
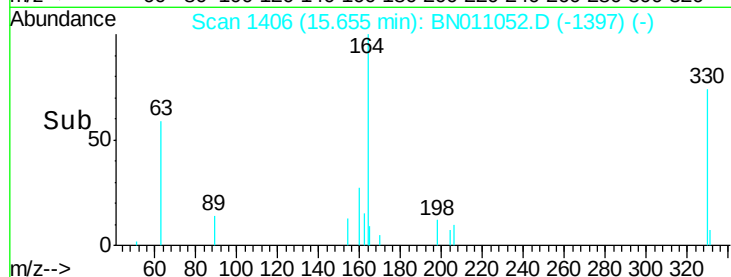
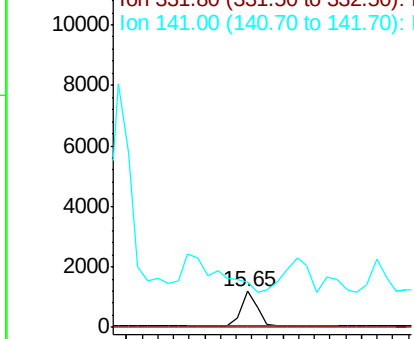
#14
2,4,6-Tribromophenol
Concen: 0.502 ng
RT: 15.65 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BN011052.D
Acq: 24 Jun 2020 17:26

Instrument :
BNA_N
ClientSampleId :
Z1-DUP-0572-200616

Tot Ion:330 Resp: 1631
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 34.5 51.7#

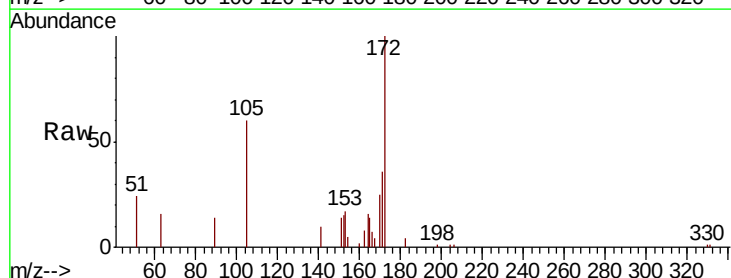


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

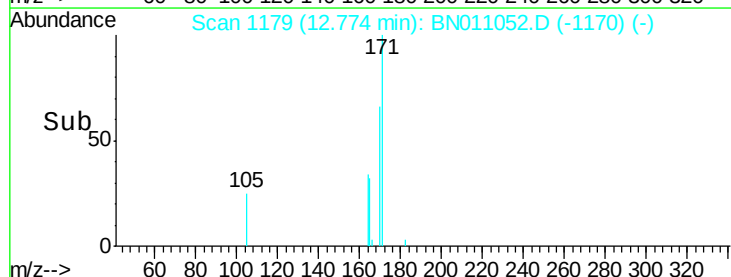
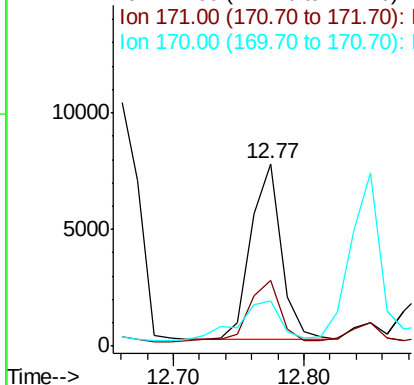


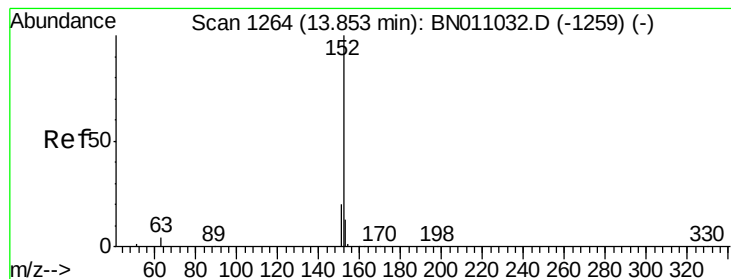
#15
2-Fluorobiphenyl
Concen: 0.353 ng
RT: 12.77 min Scan# 1179
Delta R.T. 0.01 min
Lab File: BN011052.D
Acq: 24 Jun 2020 17:26

Tgt Ion:172 Resp: 12160
Ion Ratio Lower Upper
172 100
171 35.8 27.4 41.2
170 25.0 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: 0.026 ng

RT: 13.84 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0572-200616

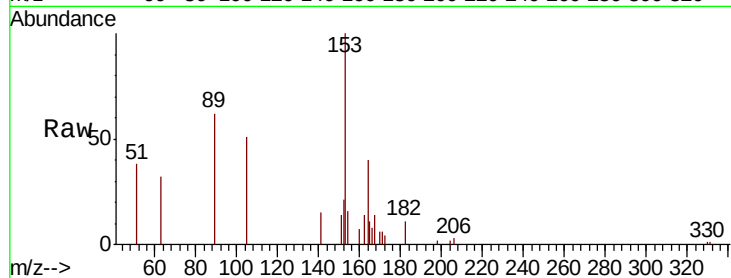
Tot Ion:152 Resp: 976

Ion Ratio Lower Upper

152 100

151 0.0 15.6 23.4#

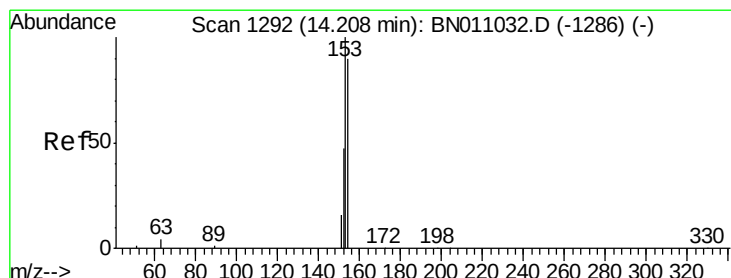
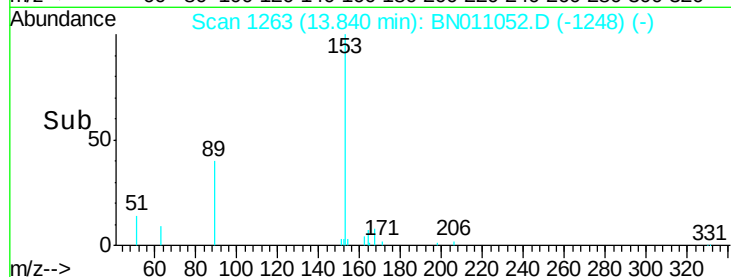
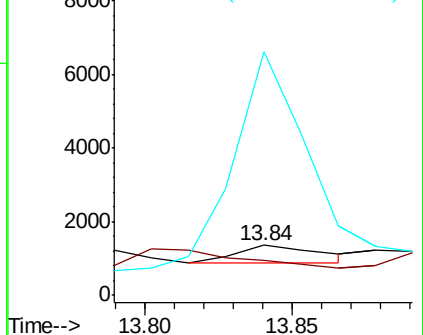
153 1214.8 10.2 15.2#



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: 0.058 ng

RT: 14.21 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

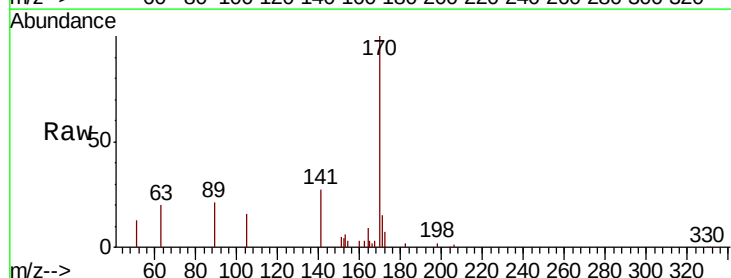
Tgt Ion:154 Resp: 1454

Ion Ratio Lower Upper

154 100

153 0.0 92.3 138.5#

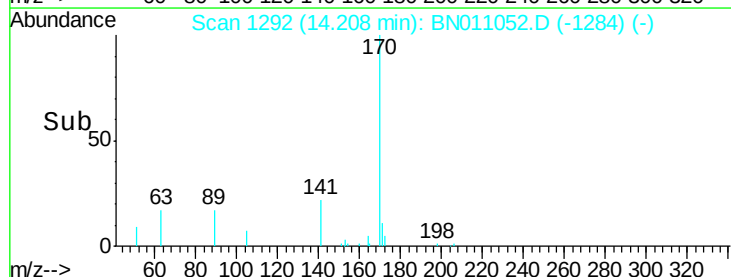
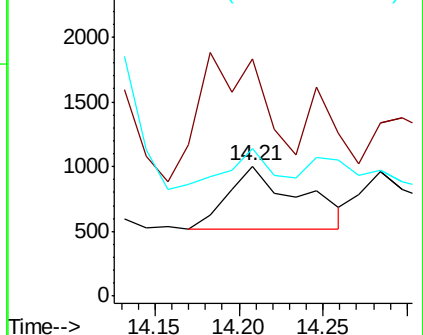
152 32.7 45.5 68.3#

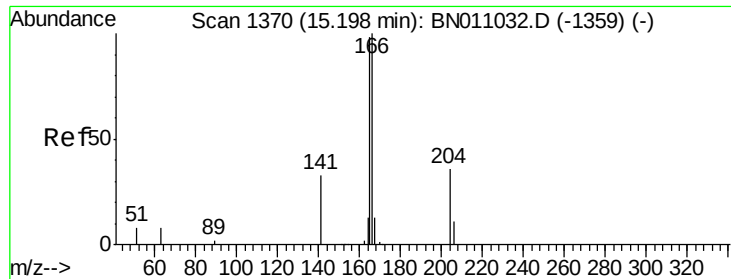


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.090 ng

RT: 15.21 min Scan# 1371

Delta R.T. 0.01 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0572-200616

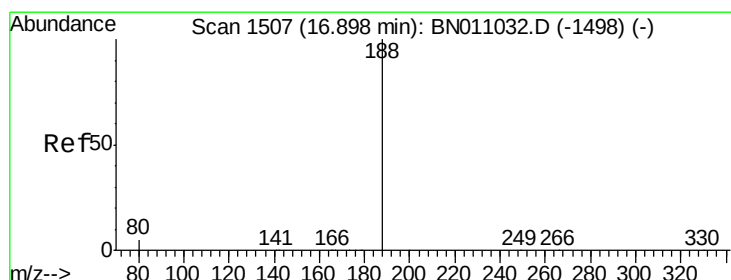
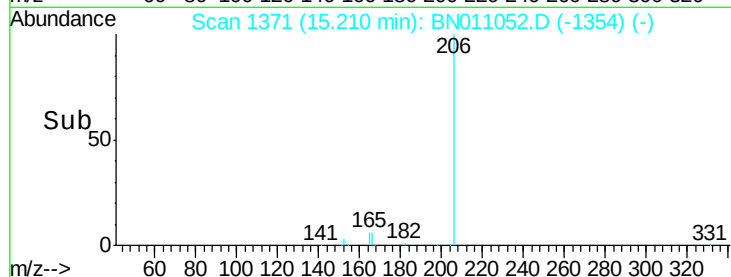
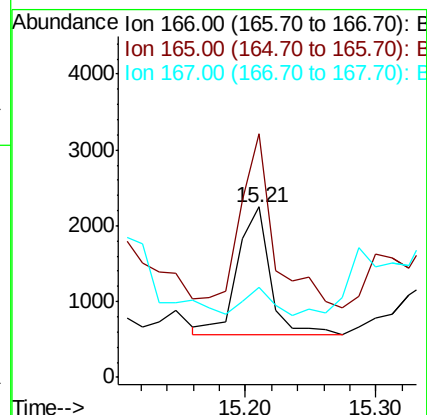
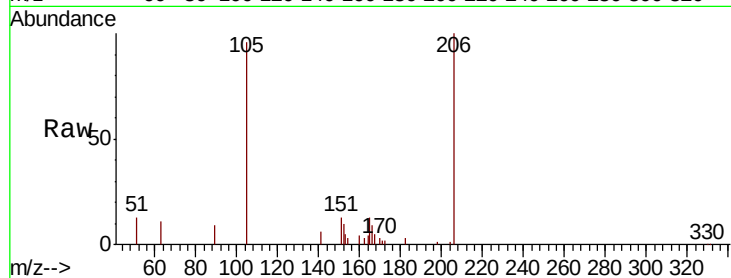
Tot Ion:166 Resp: 2877

Ion Ratio Lower Upper

166 100

165 144.0 77.8 116.8#

167 18.6 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: BN011052.D

Acq: 24 Jun 2020 17:26

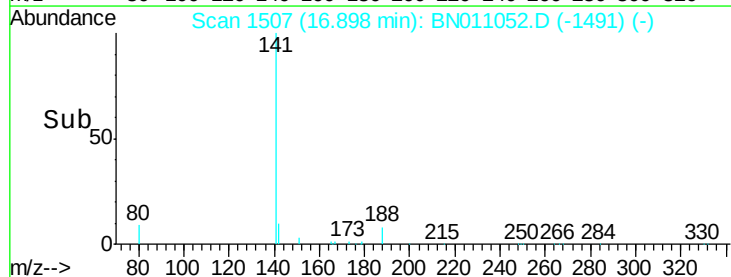
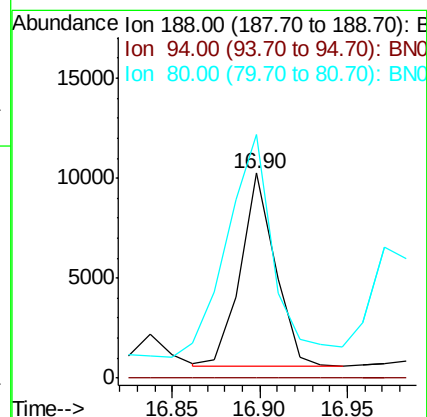
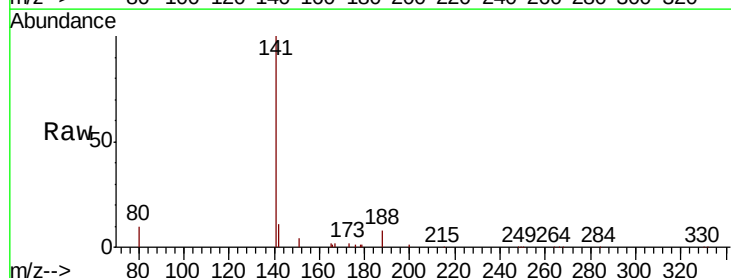
Tgt Ion:188 Resp: 13446

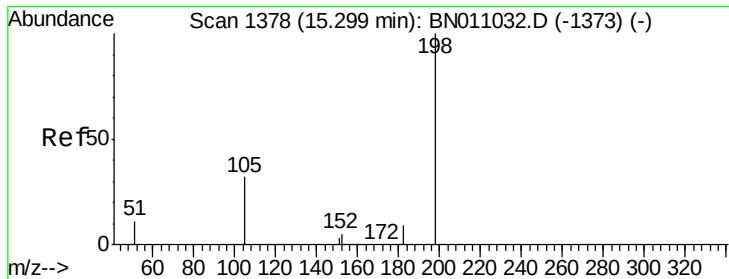
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 118.8 4.6 7.0#





#20

4,6-Dinitro-2-methylphenol

Concen: 0.487 ng

RT: 15.36 min Scan# 1383

Delta R.T. 0.06 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0572-200616

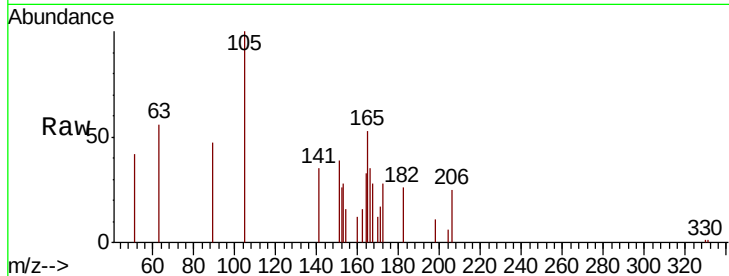
Tot Ion:198 Resp: 1096

Ion Ratio Lower Upper

198 100

51 377.9 29.5 44.3#

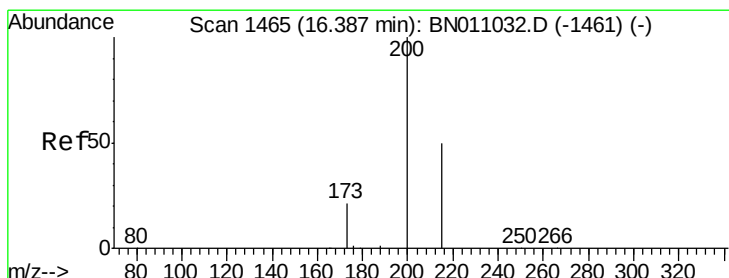
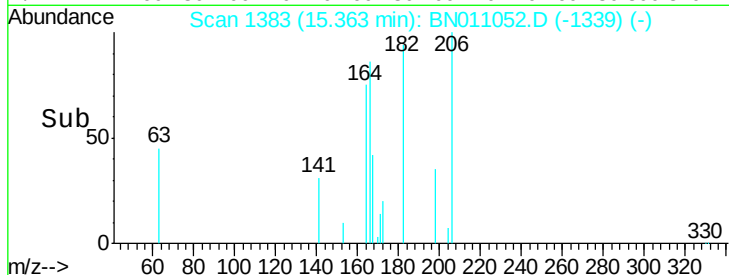
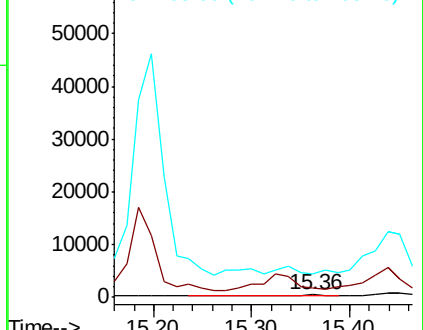
105 910.6 39.2 58.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNO

Ion 105.00 (104.70 to 105.70): E



#23

Atrazine

Concen: 0.501 ng

RT: 16.36 min Scan# 1463

Delta R.T. -0.02 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

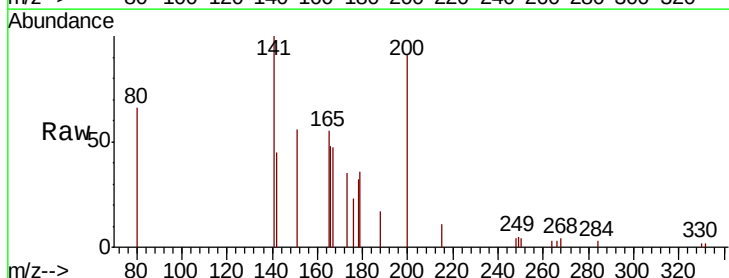
Tgt Ion:200 Resp: 3446

Ion Ratio Lower Upper

200 100

173 38.0 19.4 29.2#

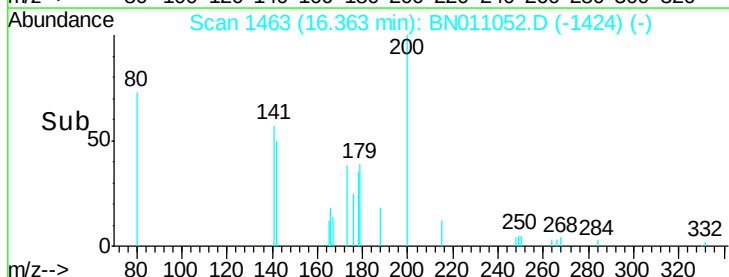
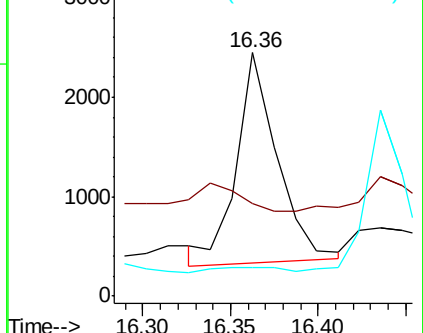
215 11.8 41.5 62.3#

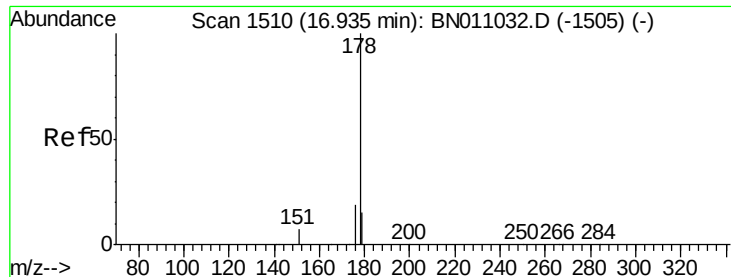


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#25

Phenanthrene

Concen: 0.052 ng

RT: 16.93 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0572-200616

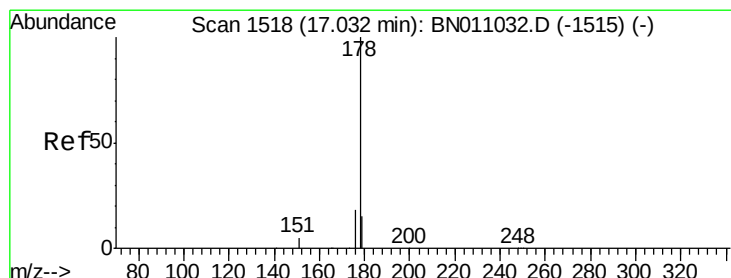
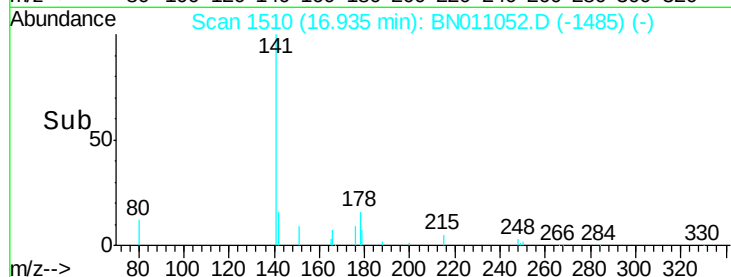
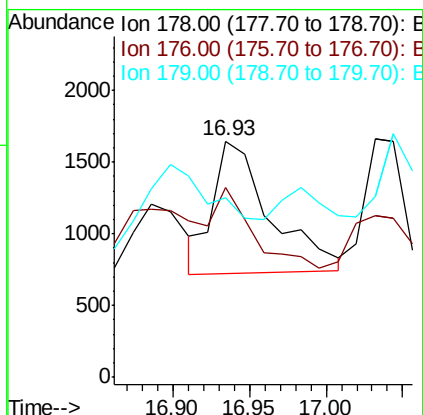
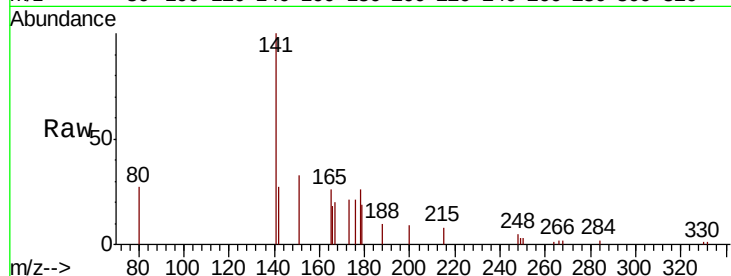
Tot Ion:178 Resp: 2374

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.6#

179 0.0 12.3 18.5#



#26

Anthracene

Concen: 0.040 ng

RT: 17.03 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

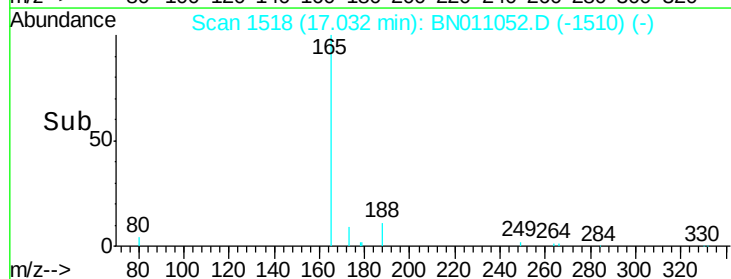
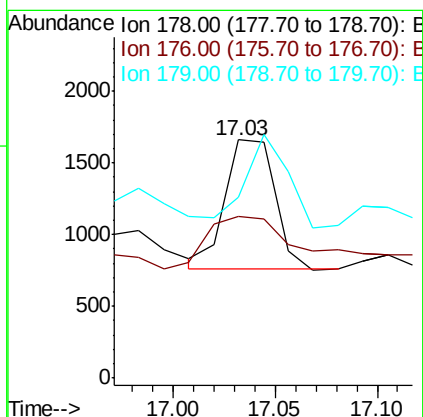
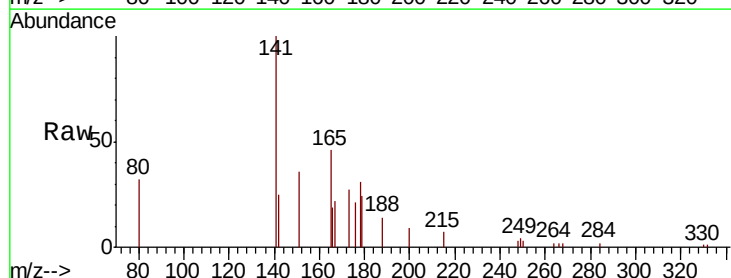
Tgt Ion:178 Resp: 1519

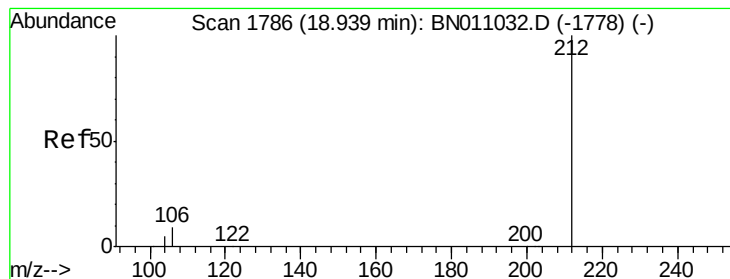
Ion Ratio Lower Upper

178 100

176 84.3 14.7 22.1#

179 60.1 12.2 18.4#





#27

Fluoranthene-d10

Concen: 0.338 ng

RT: 18.94 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0572-200616

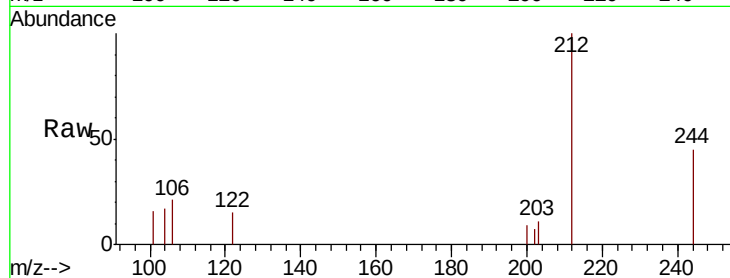
Tot Ion:212 Resp: 14389

Ion Ratio Lower Upper

212 100

106 14.1 7.7 11.5#

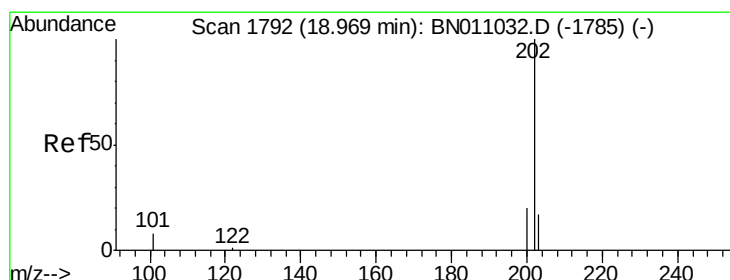
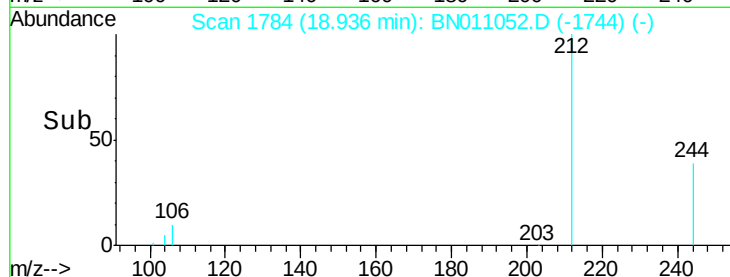
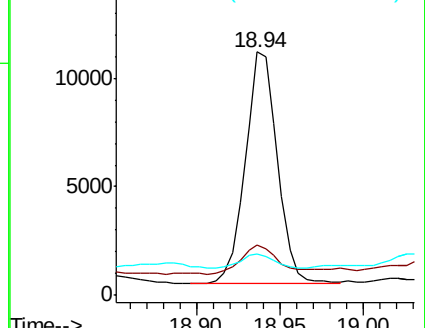
104 5.7 4.6 6.8



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



#28

Fluoranthene

Concen: 0.022 ng

RT: 18.97 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

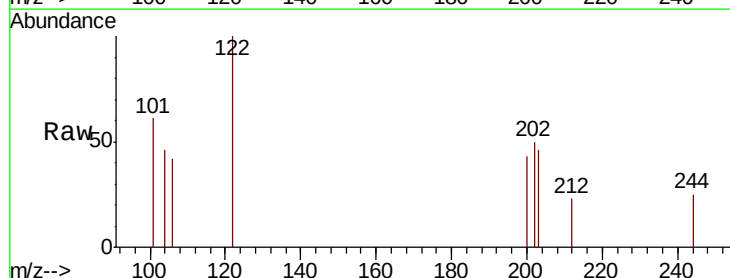
Tgt Ion:202 Resp: 1137

Ion Ratio Lower Upper

202 100

101 0.0 6.6 10.0#

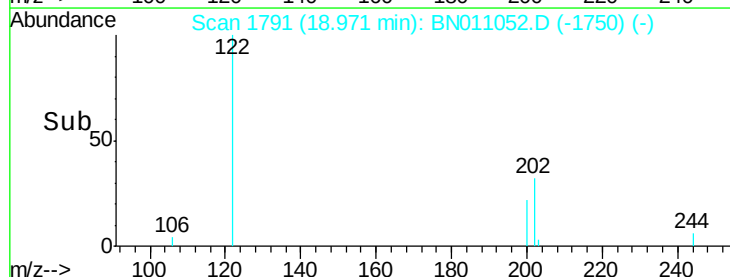
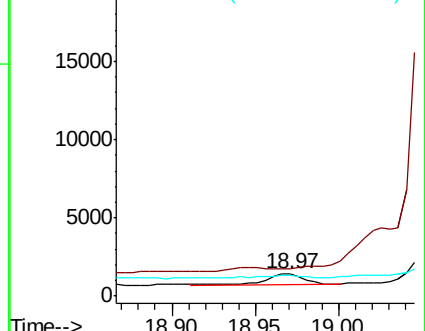
203 14.8 13.8 20.6

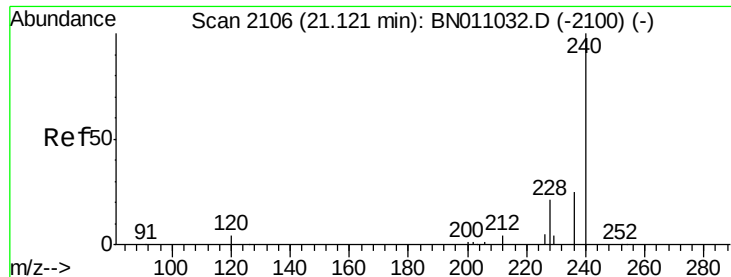


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.11 min Scan# 2104

Delta R.T. -0.01 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0572-200616

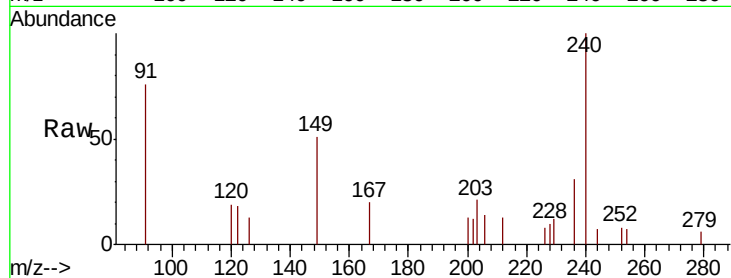
Tot Ion:240 Resp: 12195

Ion Ratio Lower Upper

240 100

120 18.8 5.4 8.0#

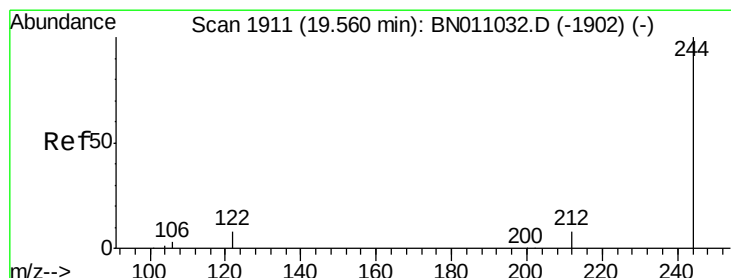
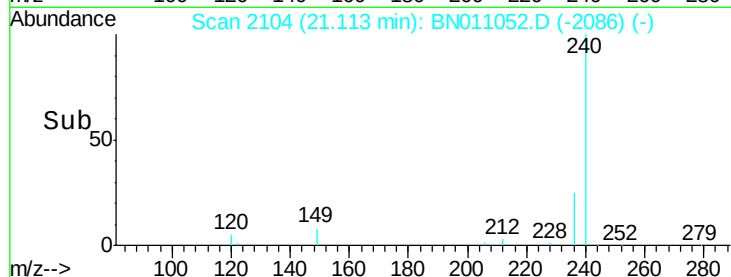
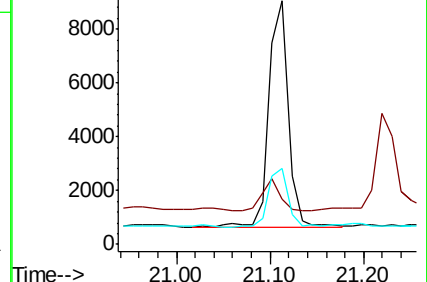
236 31.0 21.4 32.2



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



#31

Terphenyl-d14

Concen: 0.440 ng

RT: 19.55 min Scan# 1908

Delta R.T. -0.01 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

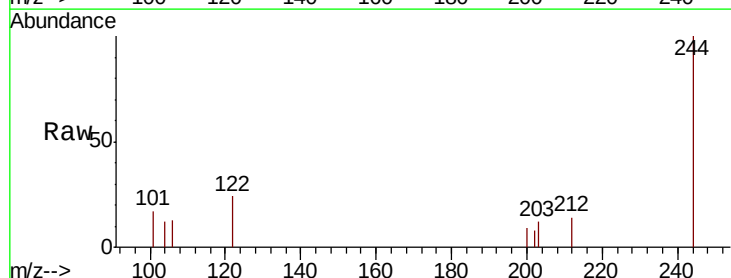
Tgt Ion:244 Resp: 14407

Ion Ratio Lower Upper

244 100

212 14.0 6.9 10.3#

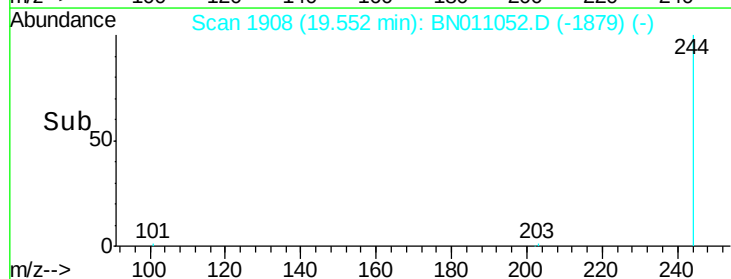
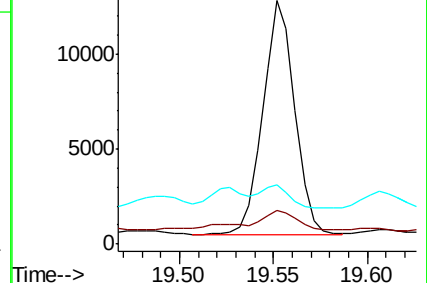
122 24.5 7.4 11.0#

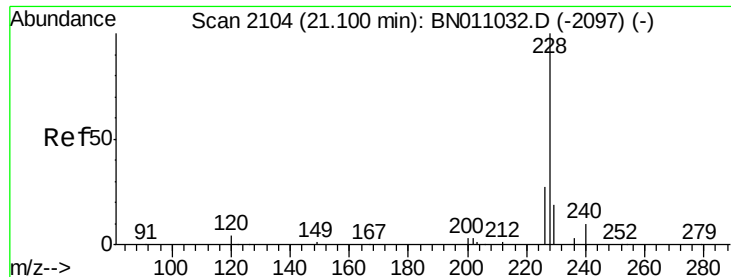


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Benzo(a)anthracene

Concen: 0.025 ng

RT: 21.12 min Scan# 2105

Delta R.T. 0.02 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0572-200616

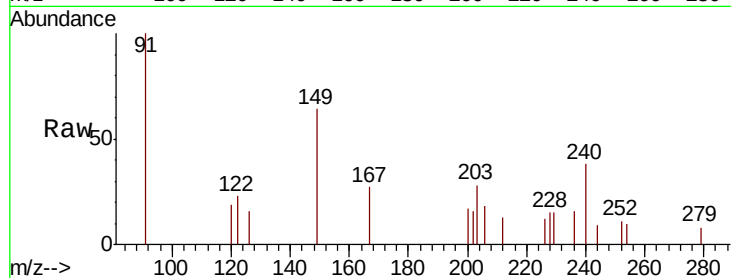
Tot Ion:228 Resp: 1066

Ion Ratio Lower Upper

228 100

226 82.6 22.0 33.0#

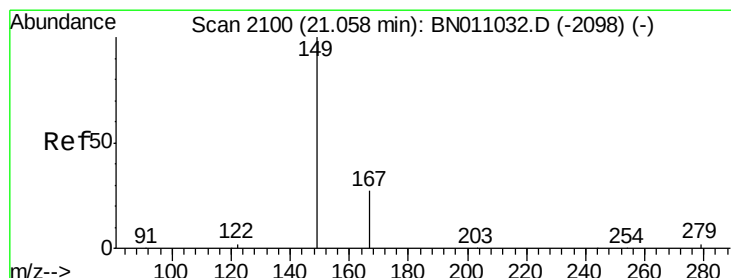
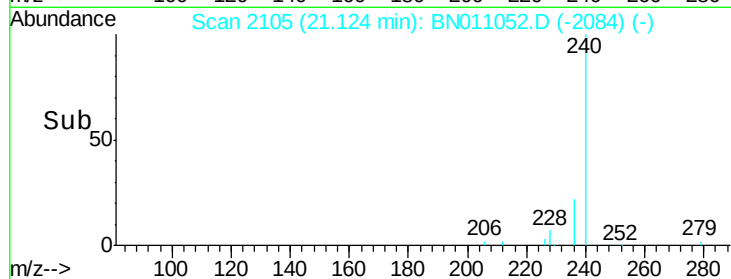
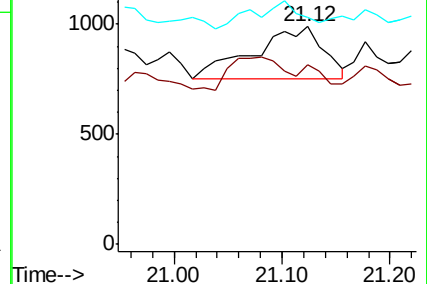
229 104.4 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.499 ng

RT: 21.05 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

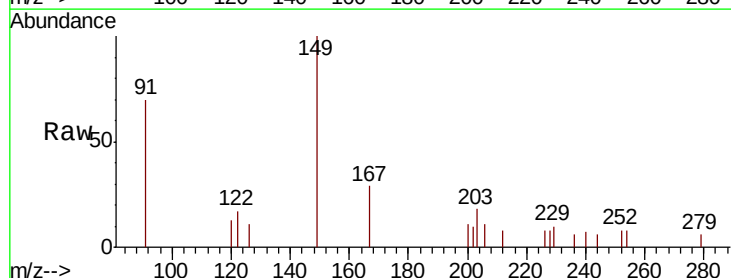
Tgt Ion:149 Resp: 8472

Ion Ratio Lower Upper

149 100

167 19.6 22.2 33.2#

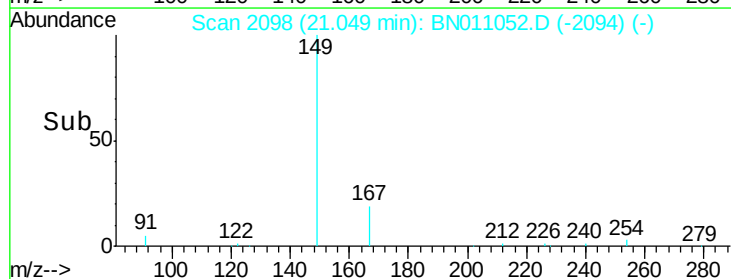
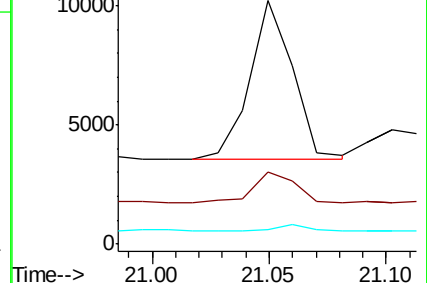
279 3.5 3.9 5.9#

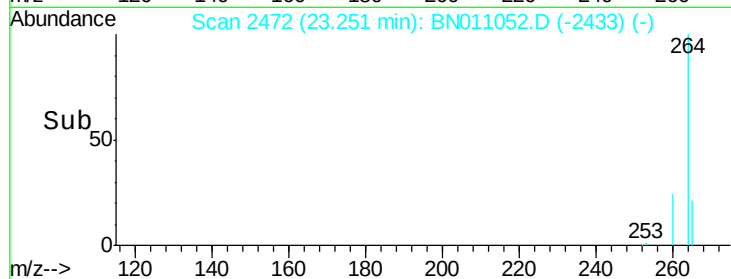
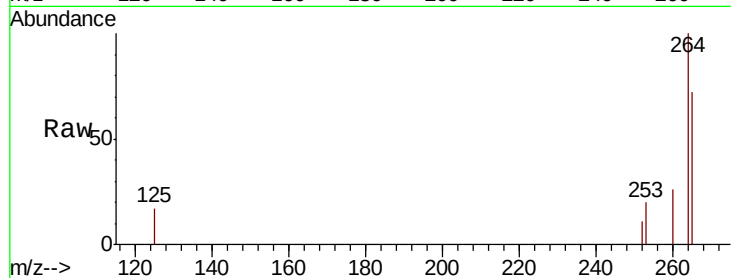
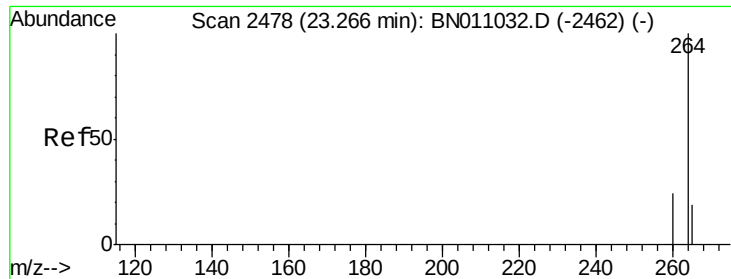


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#36

Pervlene-d12

Concen: 0.400 ng

RT: 23.25 min Scan# 2472

Delta R.T. -0.01 min

Lab File: BN011052.D

Acq: 24 Jun 2020 17:26

Instrument :

BNA_N

ClientSampleId :

Z1-DUP-0572-200616

Tot Ion:264 Resp: 12386

Ion Ratio Lower Upper

264 100

260 26.4 20.0 30.0

265 71.6 64.9 97.3

