

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062420\
 Data File : BN011048.D
 Acq On : 24 Jun 2020 15:02
 Operator : CG/JU
 Sample : L3033-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SS043MW100-200615

Quant Time: Jun 24 15:41:39 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	3150	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	10226	0.40	ng	0.00
13) Acenaphthene-d10	14.14	164	5826	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	12282	0.40	ng	0.00
29) Chrysene-d12	21.10	240	11605	0.40	ng	-0.02
36) Perylene-d12	23.25	264	12064	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.19	112	1491	0.17	ng	0.00
5) Phenol-d6	6.73	99	926	0.09	ng	0.02
8) Nitrobenzene-d5	8.66	82	3643	0.39	ng	0.01
11) 2-Methylnaphthalene-d10	11.86	152	5466	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.64	330	1056	0.41	ng	0.00
15) 2-Fluorobiphenyl	12.76	172	10677	0.39	ng	0.00
27) Fluoranthene-d10	18.94	212	13316	0.34	ng	0.00
31) Terphenyl-d14	19.55	244	14621	0.47	ng	0.00

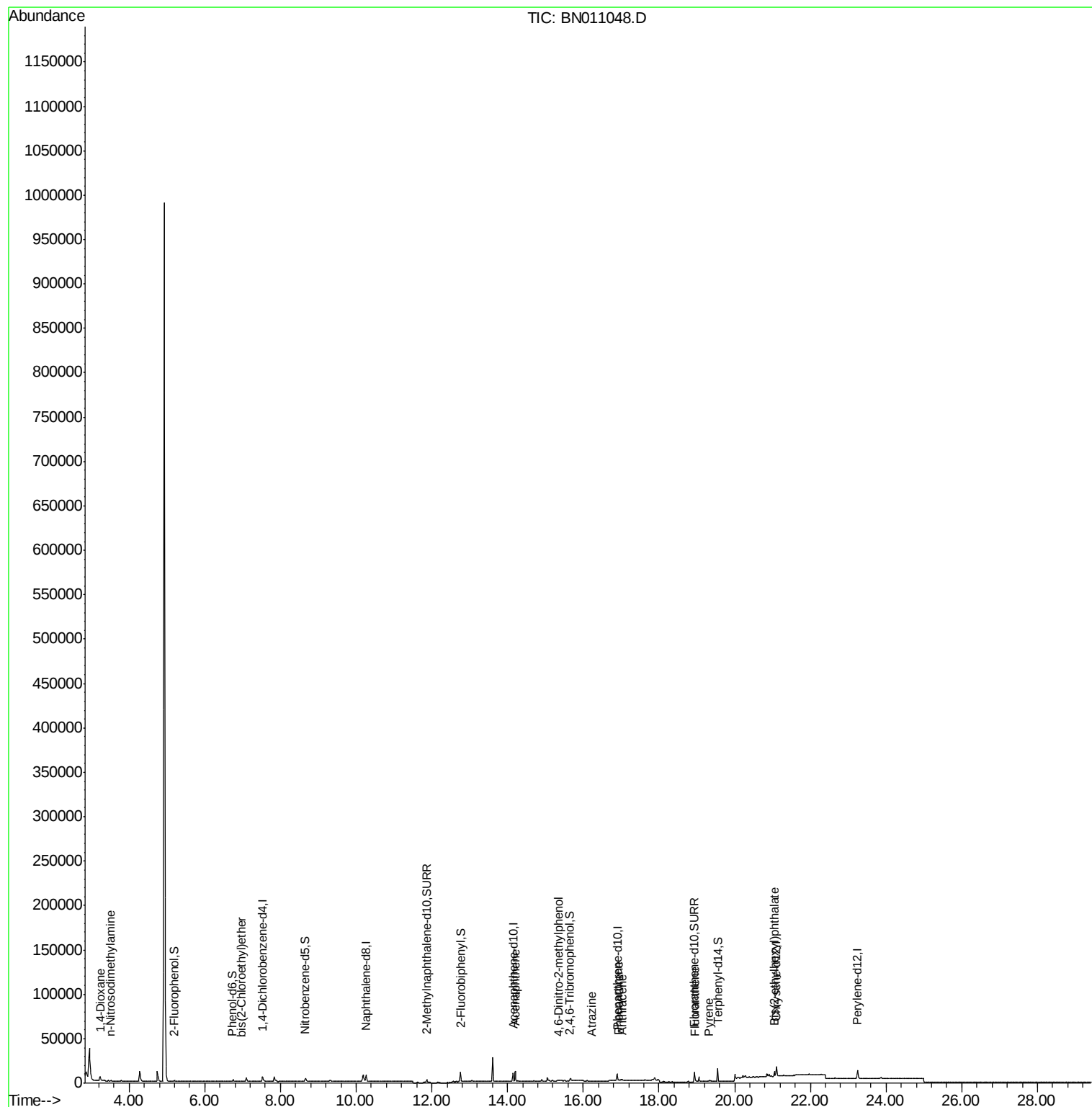
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	5387	1.272	ng	97
3) n-Nitrosodimethylamine	3.51	42	55	0.023	ng	# 1
6) bis(2-Chloroethyl)ether	6.97	93	598	0.066	ng	98
17) Acenaphthene	14.21	154	6801	0.345	ng	98
20) 4,6-Dinitro-2-methylphenol	15.35	198	53	0.026	ng	# 1
23) Atrazine	16.23	200	167	0.027	ng	# 45
25) Phenanthrene	16.93	178	854	0.021	ng	# 68
26) Anthracene	17.03	178	1334	0.039	ng	# 90
28) Fluoranthene	18.97	202	1223	0.026	ng	# 91
30) Pyrene	19.33	202	1308	0.029	ng	# 83
34) Bis(2-ethylhexyl)phthalate	21.05	149	4786	0.296	ng	99

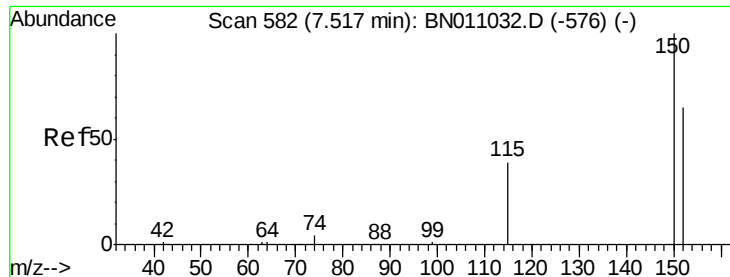
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN011048.D

Acq: 24 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

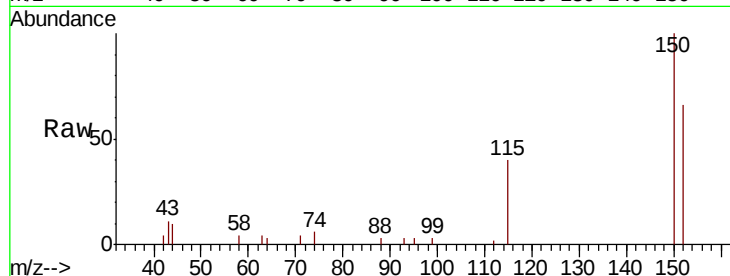
Tot Ion:152 Resp: 3150

Ion Ratio Lower Upper

152 100

150 150.9 121.8 182.8

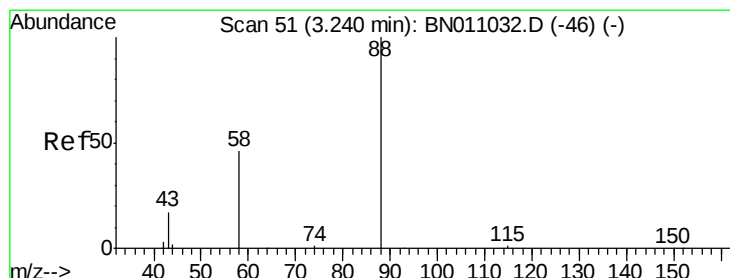
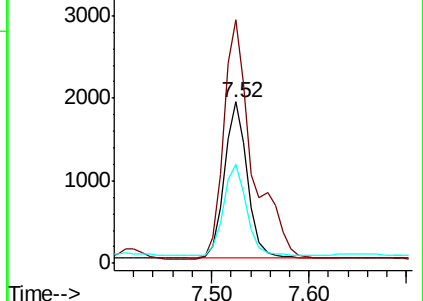
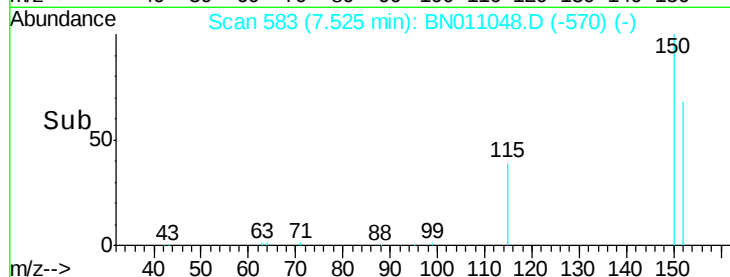
115 61.0 50.2 75.2



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: 1.272 ng

RT: 3.23 min Scan# 50

Delta R.T. -0.01 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

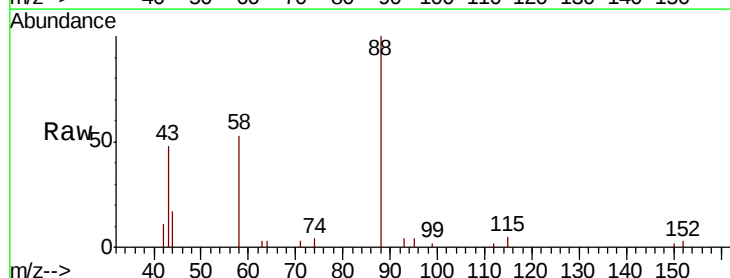
Tgt Ion: 88 Resp: 5387

Ion Ratio Lower Upper

88 100

58 46.3 38.4 57.6

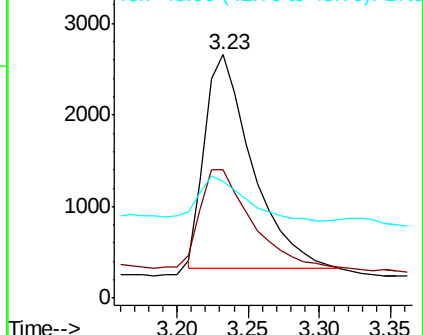
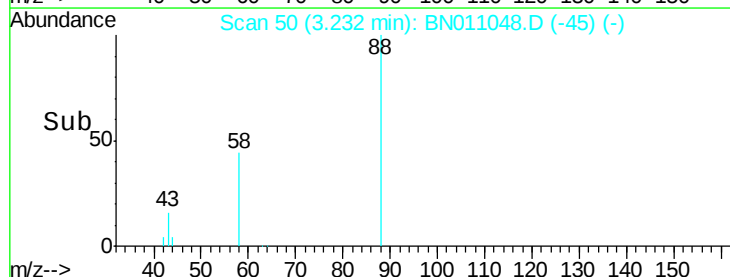
43 19.7 14.2 21.4

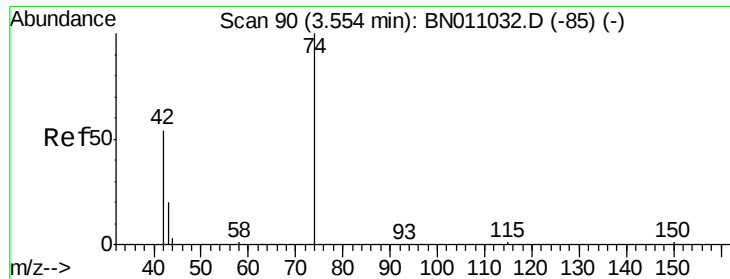


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.023 ng

RT: 3.51 min Scan# 85

Delta R.T. -0.04 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

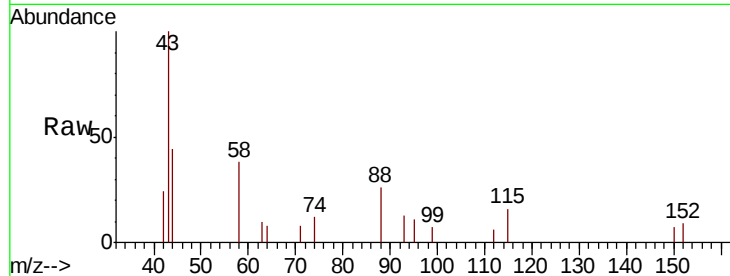
Tot Ion: 42 Resp: 55

Ion Ratio Lower Upper

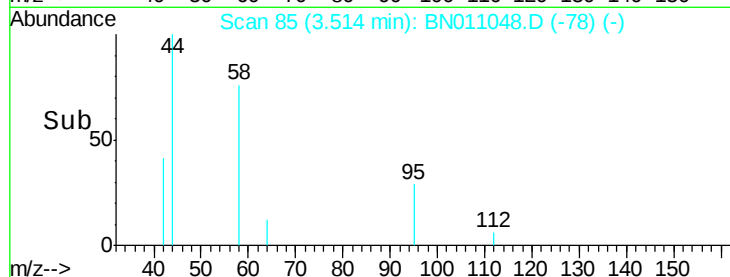
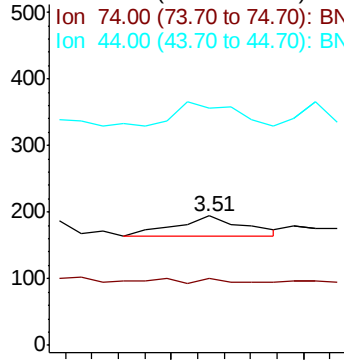
42 100

74 0.0 154.8 232.2#

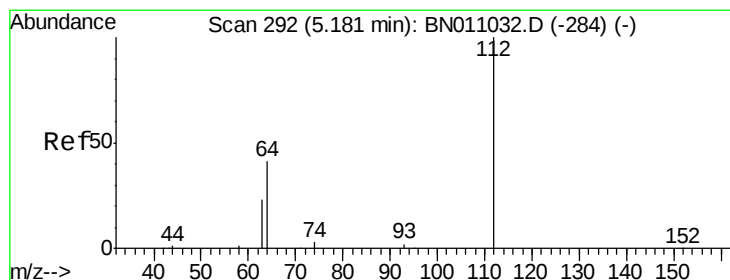
44 100.0 4.8 7.2#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



Time-->



#4

2-Fluorophenol

Concen: 0.168 ng

RT: 5.19 min Scan# 293

Delta R.T. 0.01 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

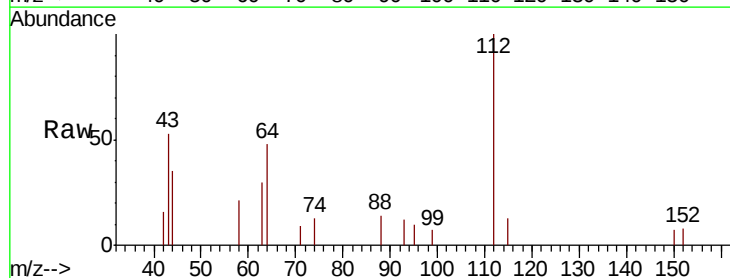
Tgt Ion: 112 Resp: 1491

Ion Ratio Lower Upper

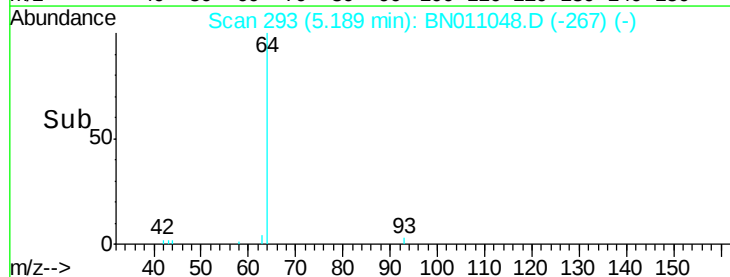
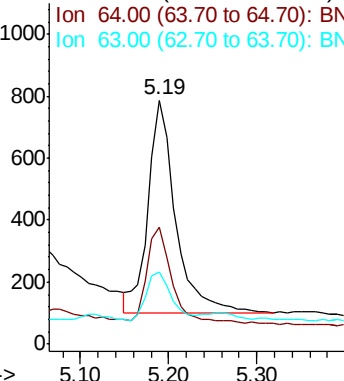
112 100

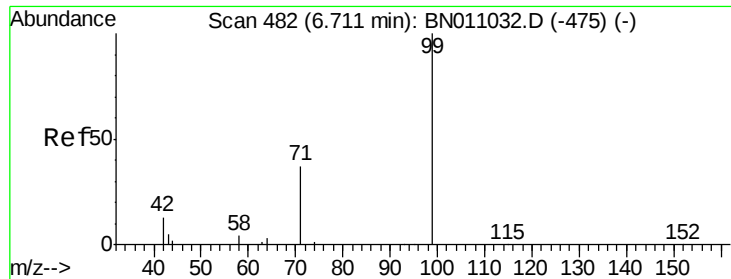
64 43.3 37.3 55.9

63 20.2 20.4 30.6#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.088 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.02 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

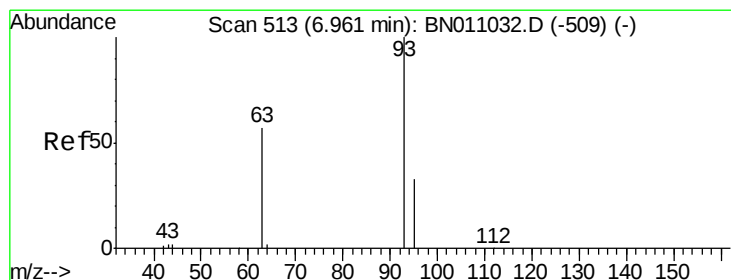
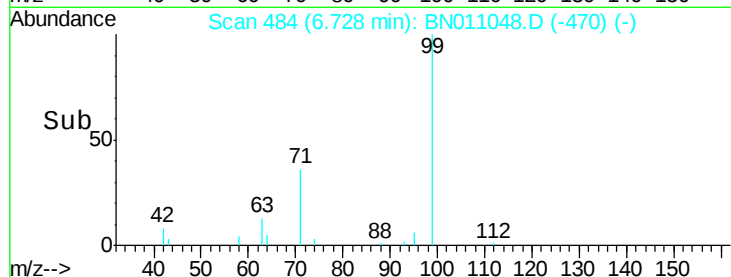
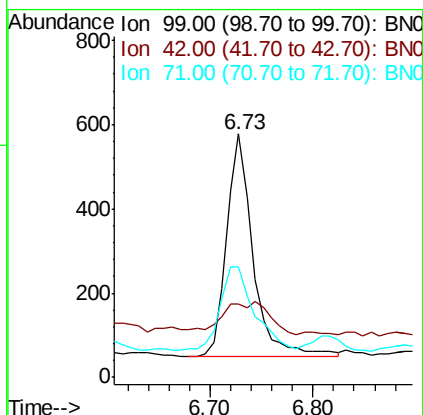
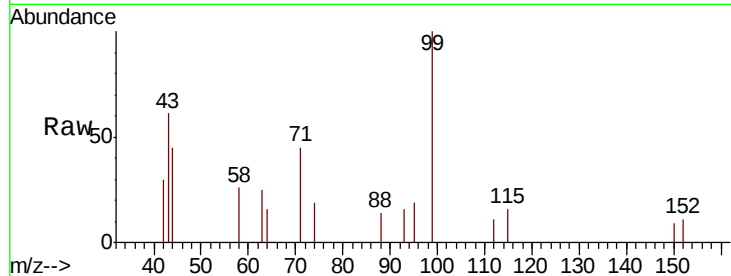
Tot Ion: 99 Resp: 926

Ion Ratio Lower Upper

99 100

42 26.5 10.6 16.0#

71 49.2 28.7 43.1#



#6

bis(2-Chloroethyl)ether

Concen: 0.066 ng

RT: 6.97 min Scan# 514

Delta R.T. 0.01 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

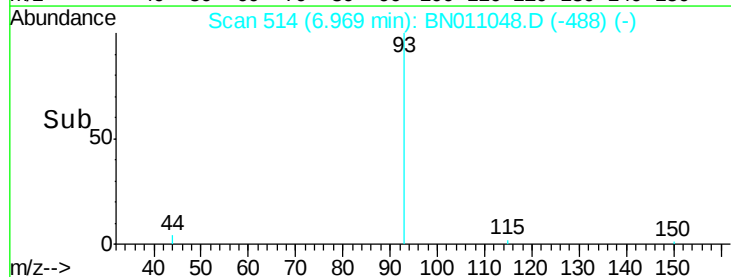
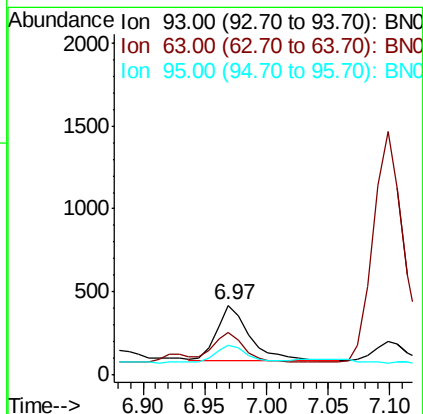
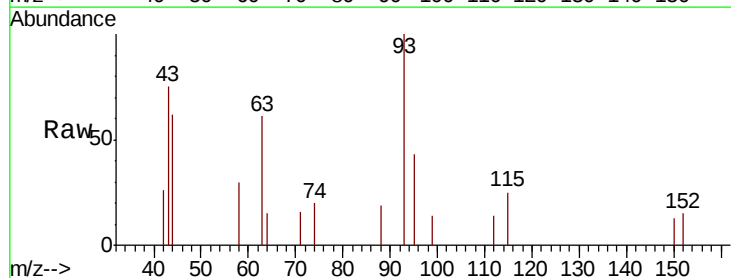
Tgt Ion: 93 Resp: 598

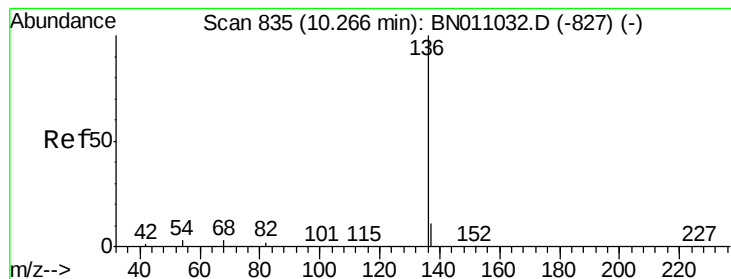
Ion Ratio Lower Upper

93 100

63 53.2 43.7 65.5

95 32.9 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: BN011048.D

Acq: 24 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

Tot Ion:136 Resp: 10226

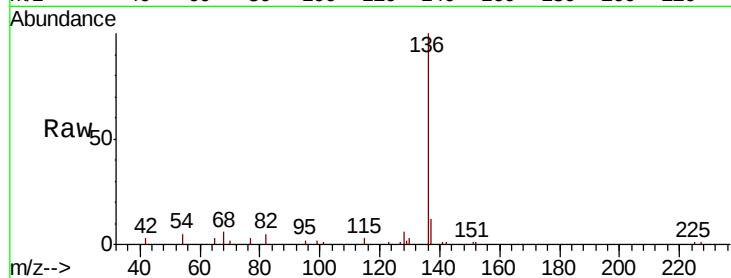
Ion Ratio Lower Upper

136 100

137 11.8 9.6 14.4

54 5.2 3.0 4.4#

68 6.4 3.4 5.2#

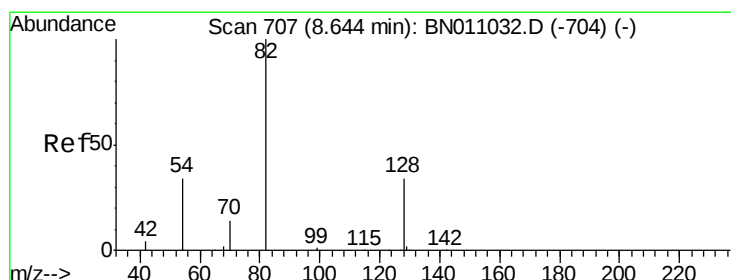
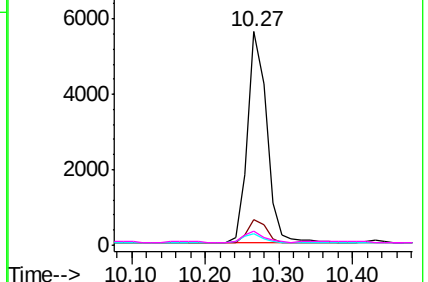
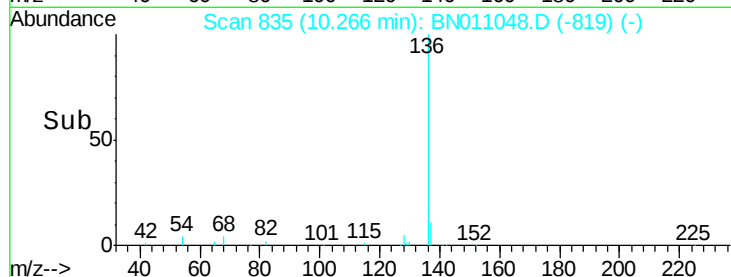


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.391 ng

RT: 8.66 min Scan# 708

Delta R.T. 0.01 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

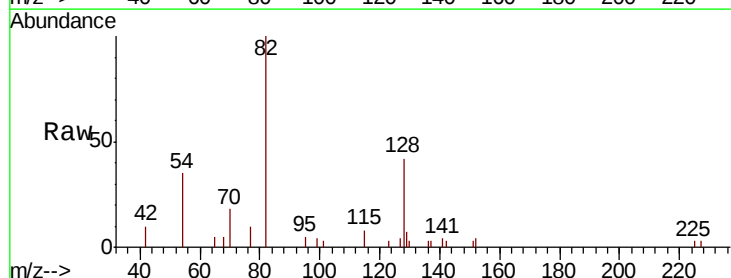
Tgt Ion: 82 Resp: 3643

Ion Ratio Lower Upper

82 100

128 41.6 29.4 44.2

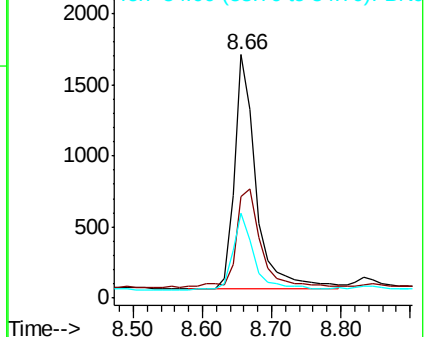
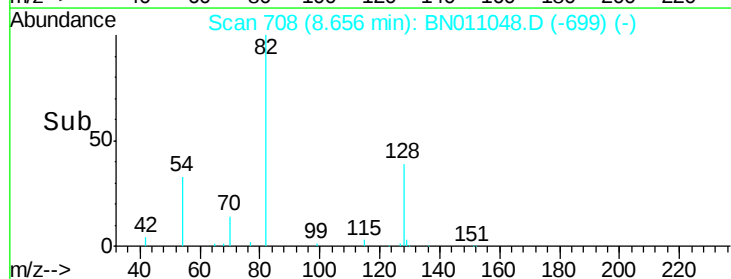
54 34.8 28.8 43.2

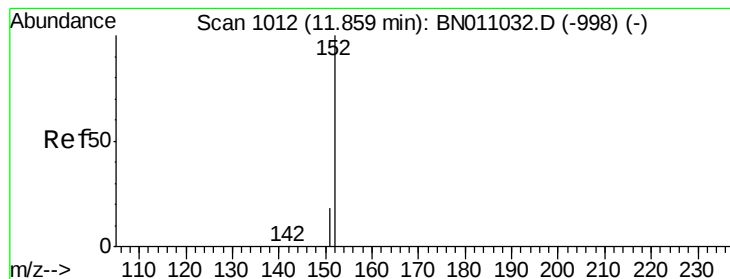


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#11

2-Methylnaphthalene-d10

Concen: 0.303 ng

RT: 11.86 min Scan# 1013

Delta R.T. 0.00 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

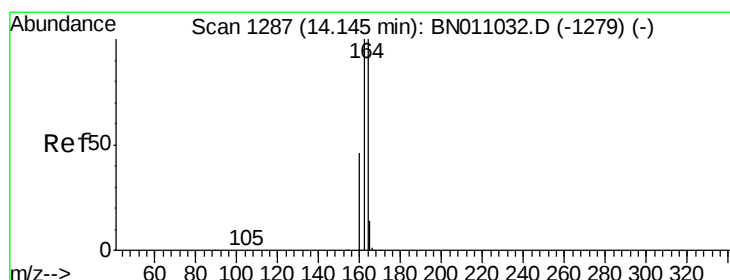
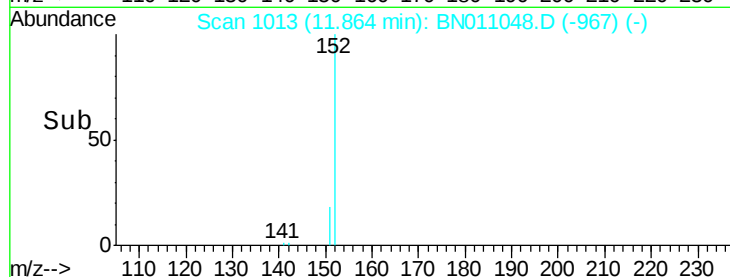
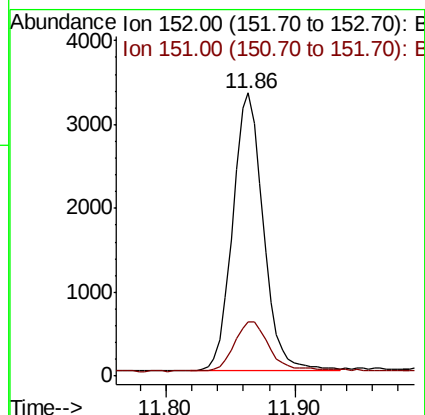
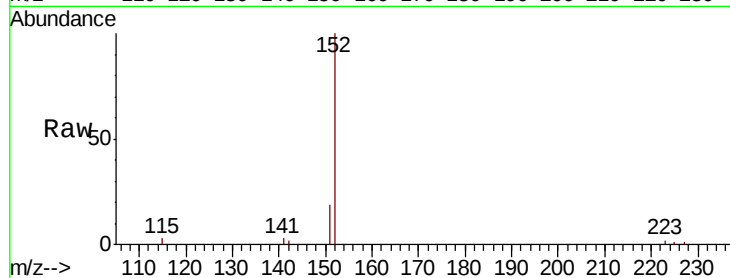
SS043MW100-200615

Tot Ion:152 Resp: 5466

Ion Ratio Lower Upper

152 100

151 20.7 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: BN011048.D

Acq: 24 Jun 2020 15:02

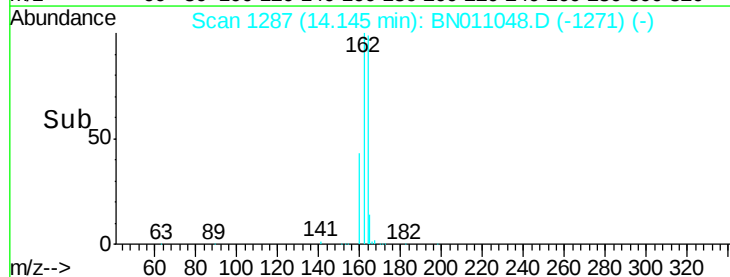
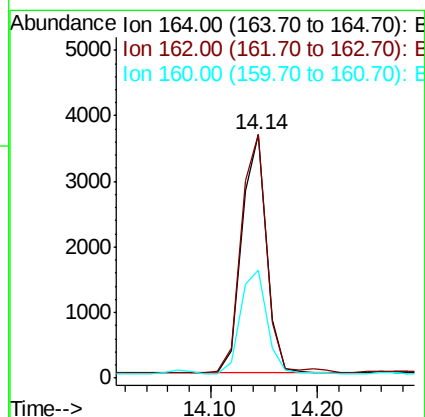
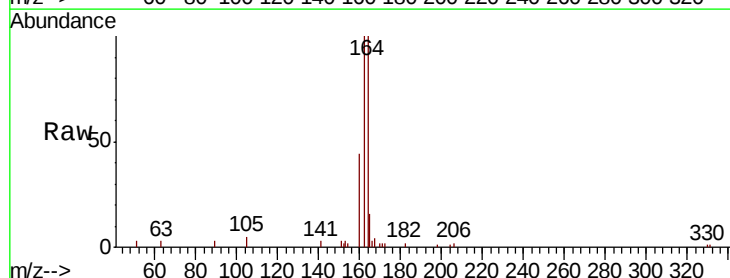
Tgt Ion:164 Resp: 5826

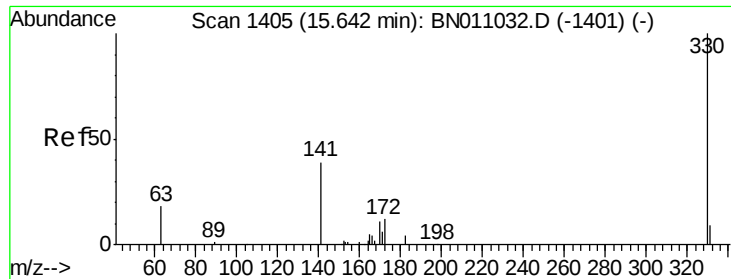
Ion Ratio Lower Upper

164 100

162 100.1 80.2 120.4

160 44.5 37.7 56.5





#14

2,4,6-Tribromophenol

Concen: 0.412 ng

RT: 15.64 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

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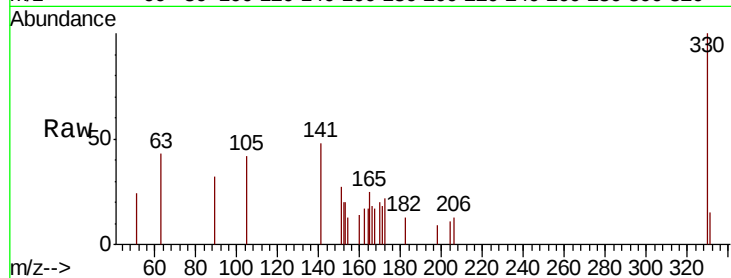
Tot Ion:330 Resp: 1056

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

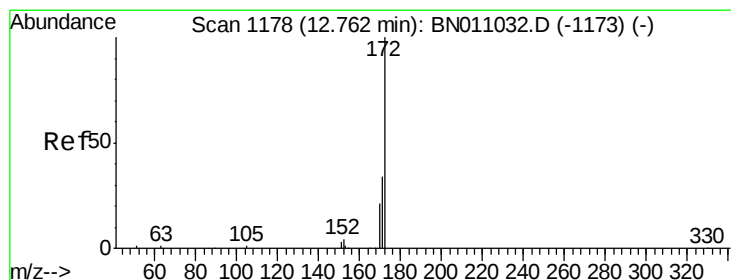
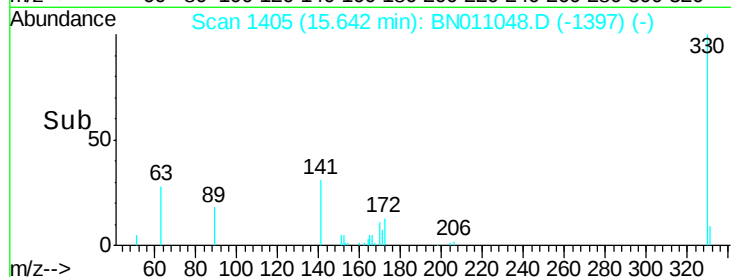
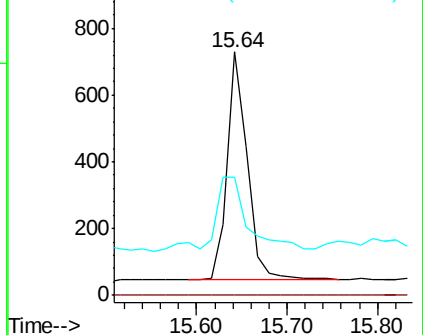
141 47.3 34.5 51.7



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: 0.393 ng

RT: 12.76 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

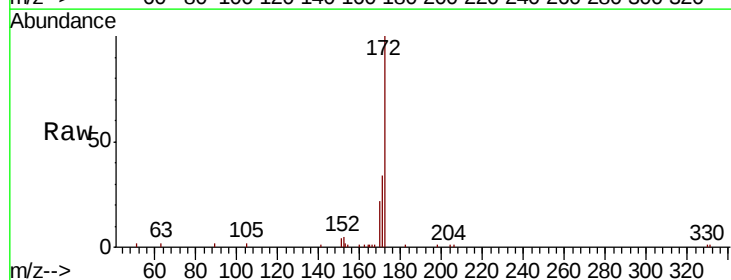
Tgt Ion:172 Resp: 10677

Ion Ratio Lower Upper

172 100

171 34.2 27.4 41.2

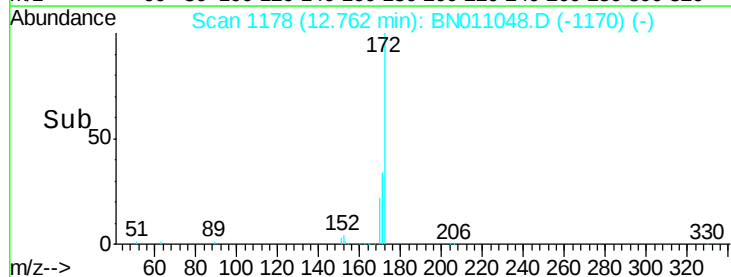
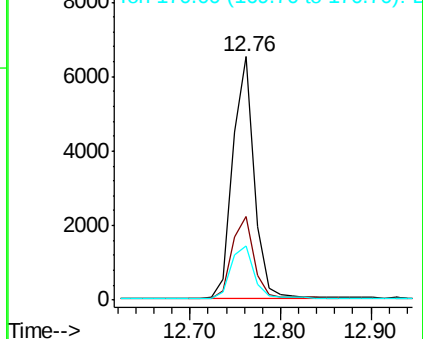
170 22.3 17.5 26.3

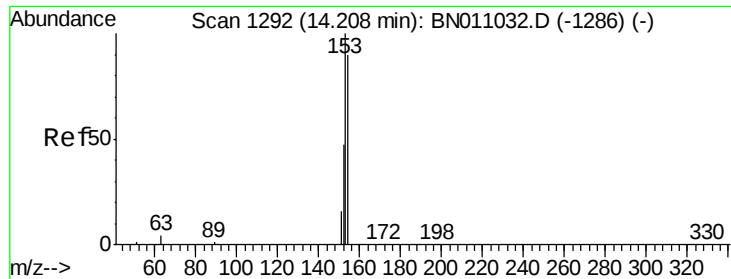


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#17

Acenaphthene

Concen: 0.345 ng

RT: 14.21 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

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SS043MW100-200615

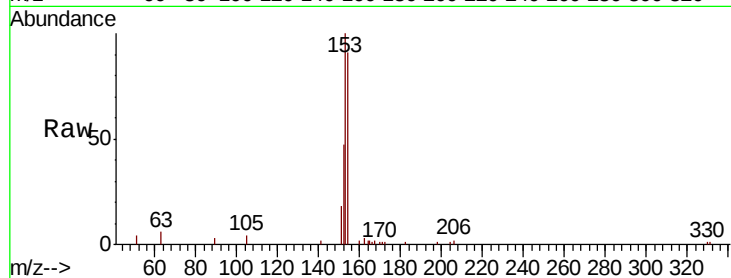
Tot Ion:154 Resp: 6801

Ion Ratio Lower Upper

154 100

153 114.1 92.3 138.5

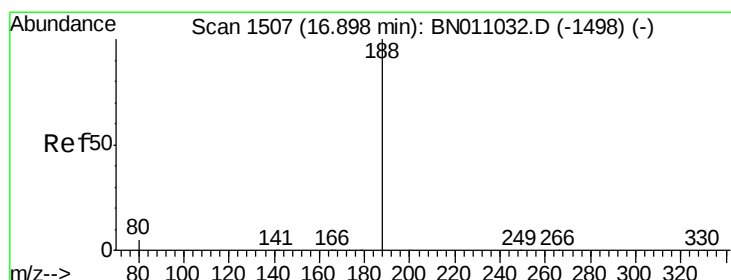
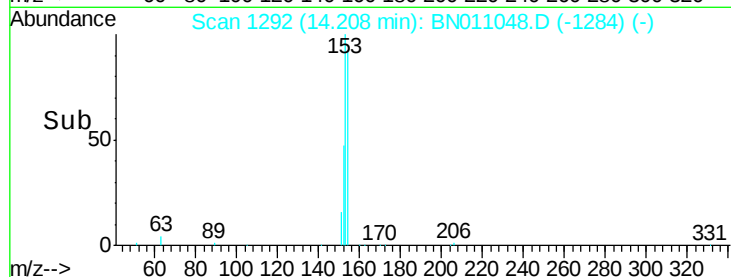
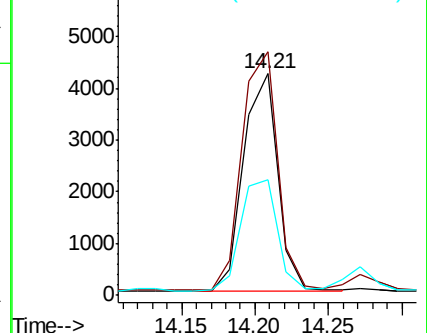
152 54.8 45.5 68.3



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.90 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

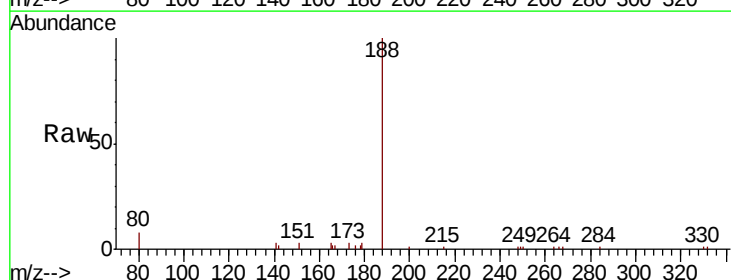
Tgt Ion:188 Resp: 12282

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

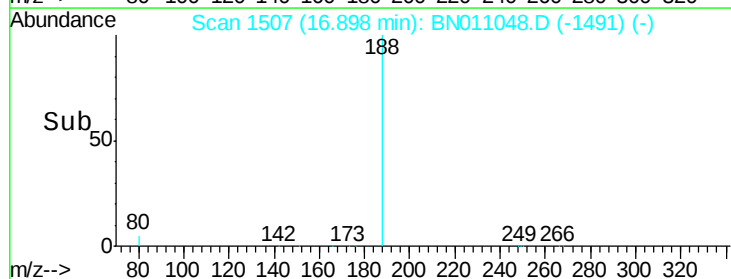
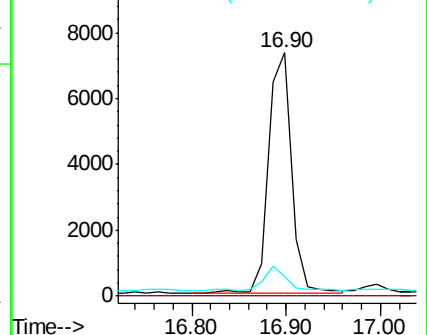
80 7.8 4.6 7.0#

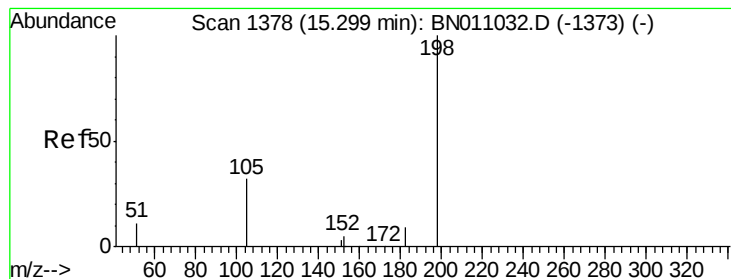


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#20

4,6-Dinitro-2-methylphenol

Concen: 0.026 ng

RT: 15.35 min Scan# 1382

Delta R.T. 0.05 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

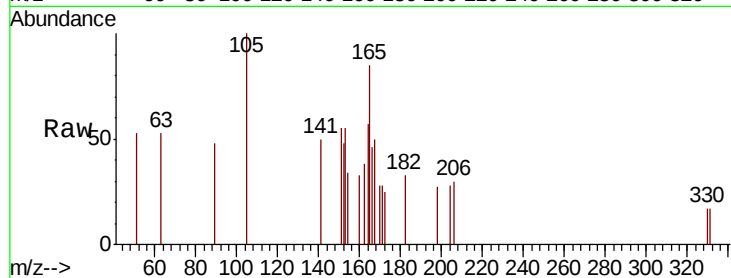
Tot Ion:198 Resp: 53

Ion Ratio Lower Upper

198 100

51 195.8 29.5 44.3#

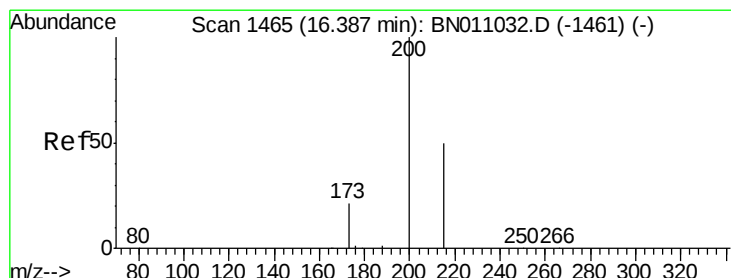
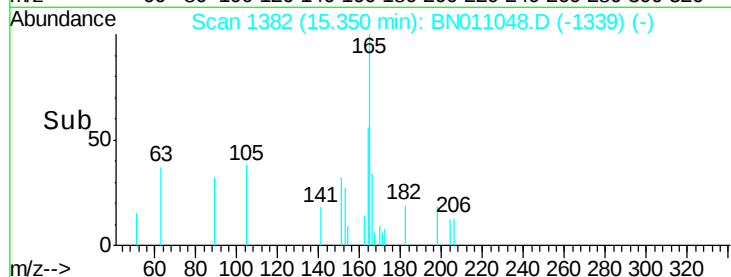
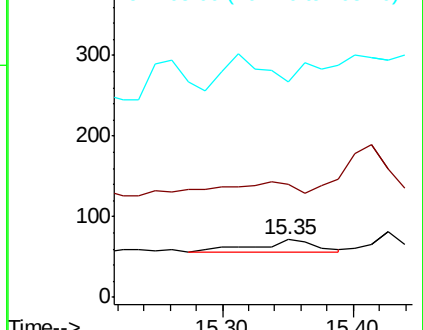
105 370.8 39.2 58.8#



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: 0.027 ng

RT: 16.23 min Scan# 1452

Delta R.T. -0.16 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

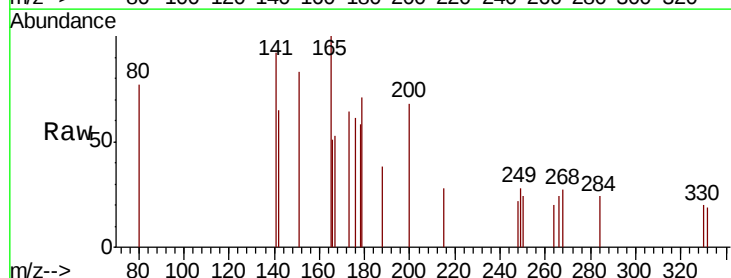
Tgt Ion:200 Resp: 167

Ion Ratio Lower Upper

200 100

173 93.7 19.4 29.2#

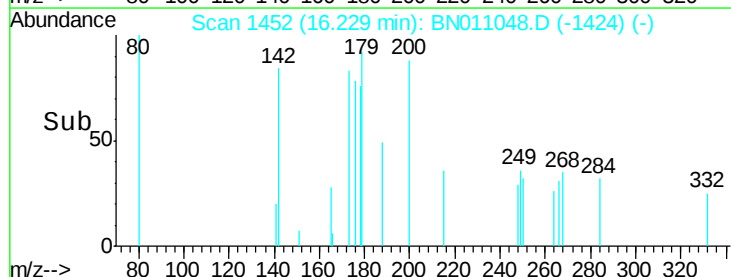
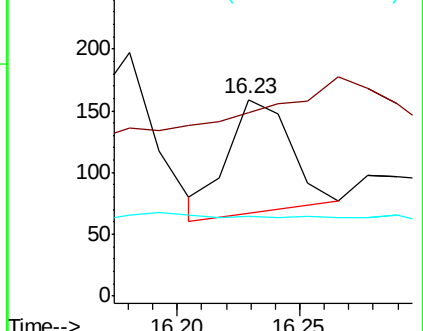
215 40.9 41.5 62.3#

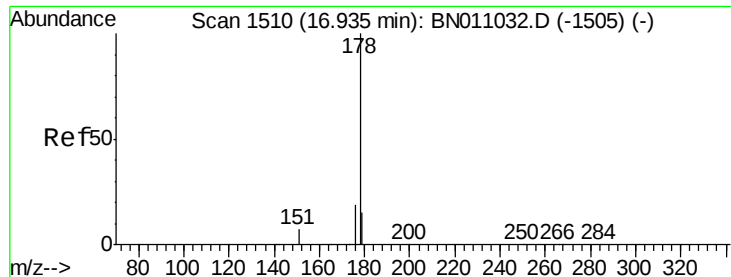


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#25

Phenanthrene

Concen: 0.021 ng

RT: 16.93 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

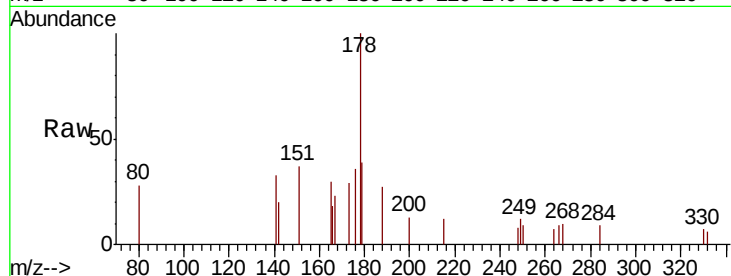
Tot Ion:178 Resp: 854

Ion Ratio Lower Upper

178 100

176 29.6 15.0 22.6#

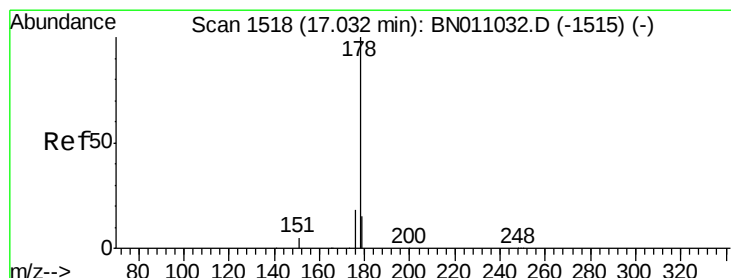
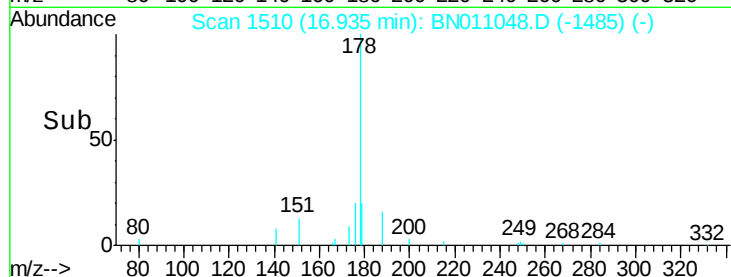
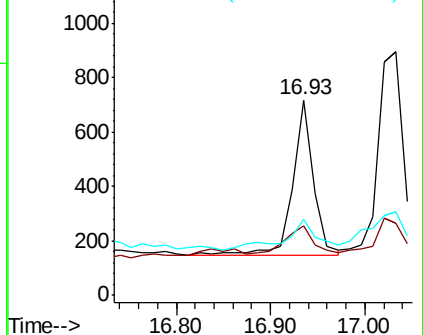
179 33.1 12.3 18.5#



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: 0.039 ng

RT: 17.03 min Scan# 1518

Delta R.T. 0.00 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

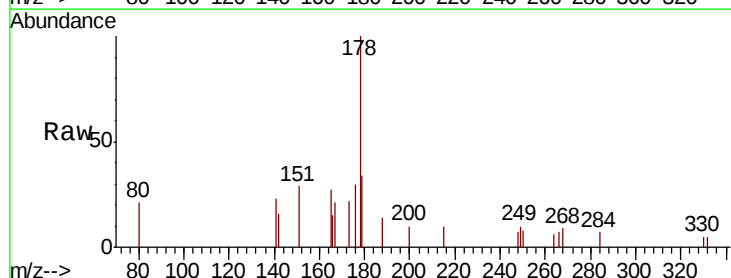
Tgt Ion:178 Resp: 1334

Ion Ratio Lower Upper

178 100

176 20.4 14.7 22.1

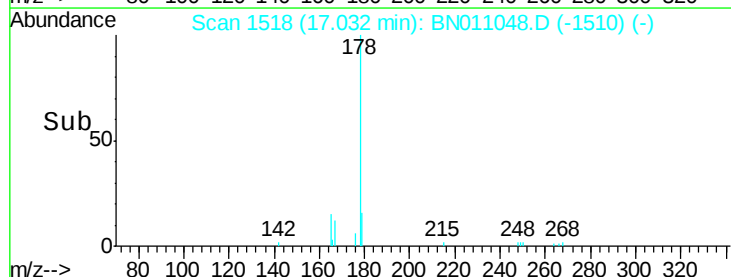
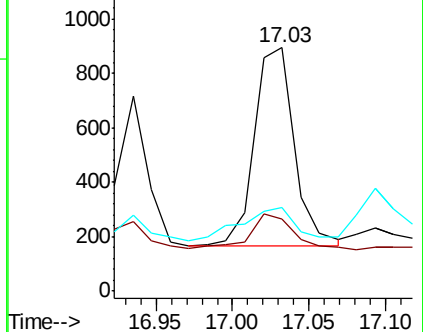
179 22.0 12.2 18.4#

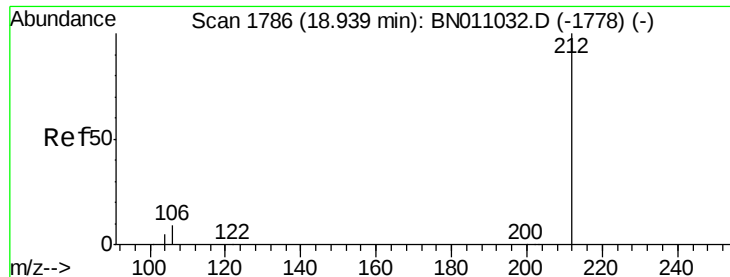


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#27

Fluoranthene-d10

Concen: 0.343 ng

RT: 18.94 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

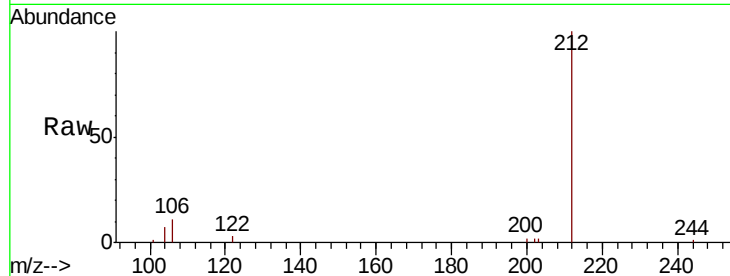
Tot Ion:212 Resp: 13316

Ion Ratio Lower Upper

212 100

106 10.2 7.7 11.5

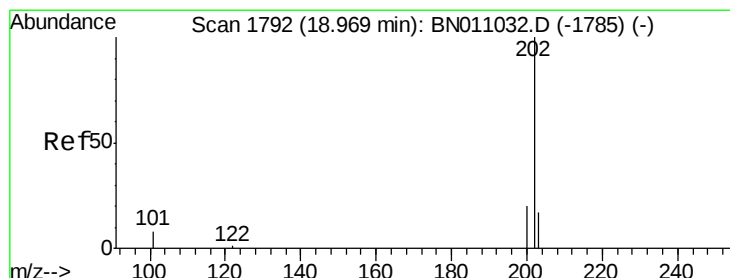
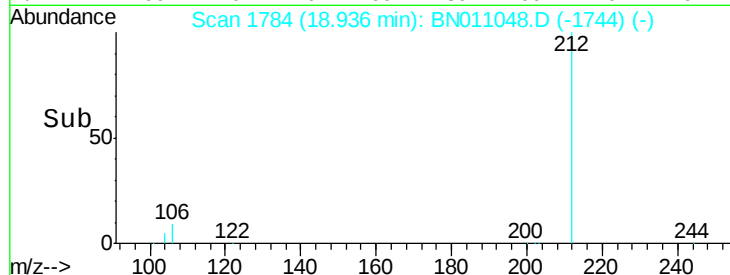
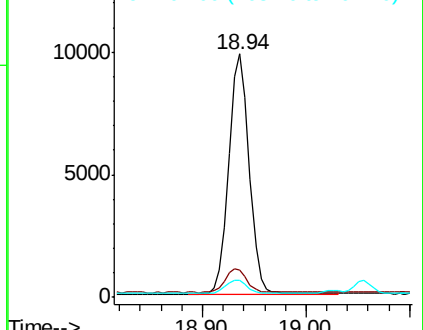
104 6.1 4.6 6.8



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: 0.026 ng

RT: 18.97 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

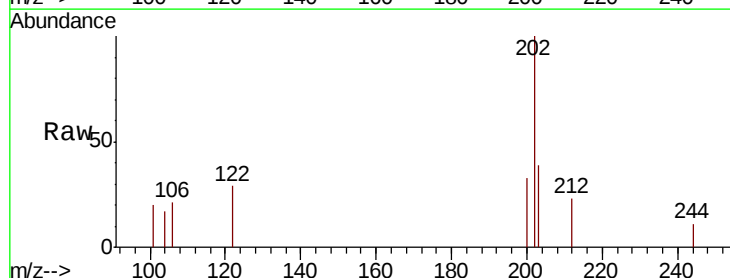
Tgt Ion:202 Resp: 1223

Ion Ratio Lower Upper

202 100

101 0.0 6.6 10.0#

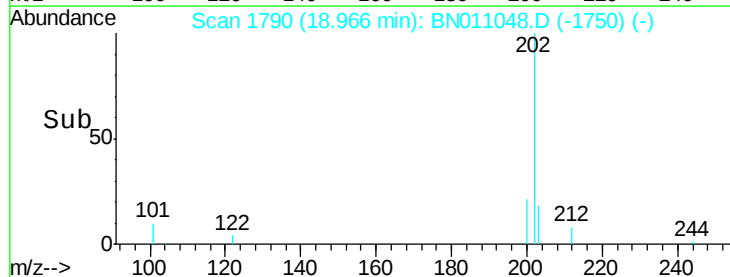
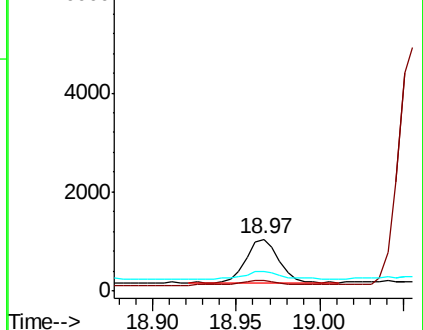
203 18.1 13.8 20.6

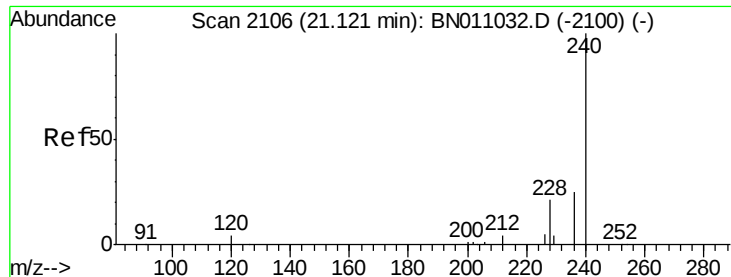


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.10 min Scan# 2103

Delta R.T. -0.02 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

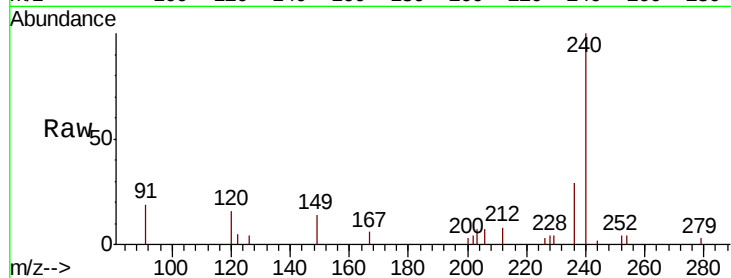
Tot Ion:240 Resp: 11605

Ion Ratio Lower Upper

240 100

120 15.7 5.4 8.0#

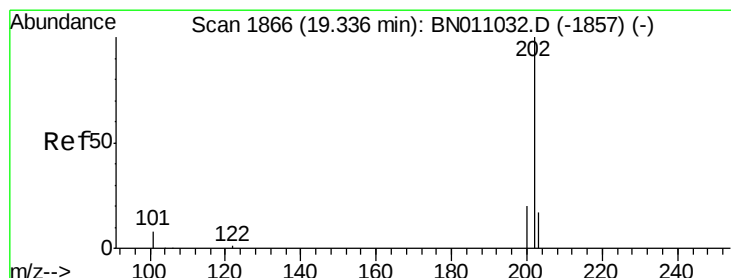
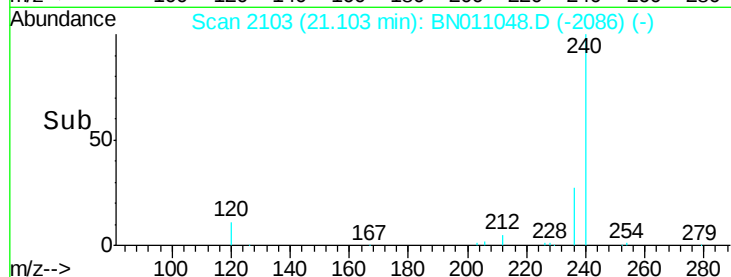
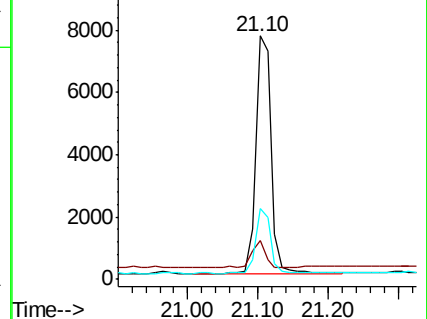
236 29.1 21.4 32.2



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



#30

Pyrene

Concen: 0.029 ng

RT: 19.33 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

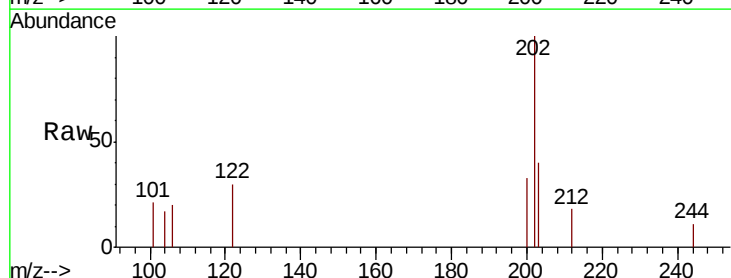
Tgt Ion:202 Resp: 1308

Ion Ratio Lower Upper

202 100

200 26.1 16.6 24.8#

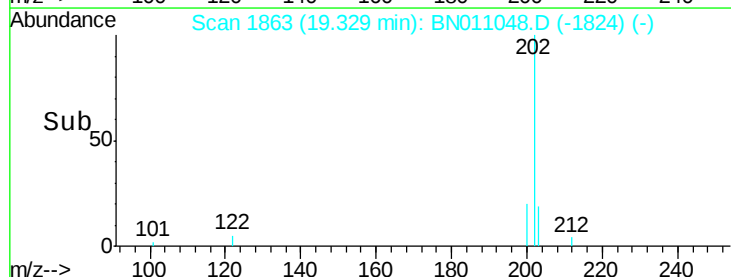
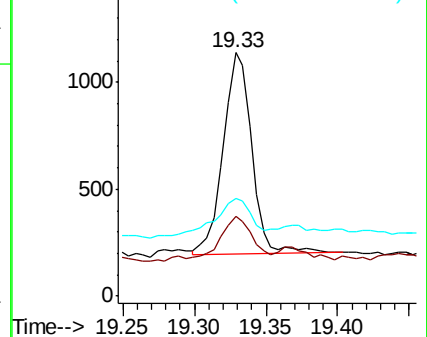
203 28.0 14.2 21.2#

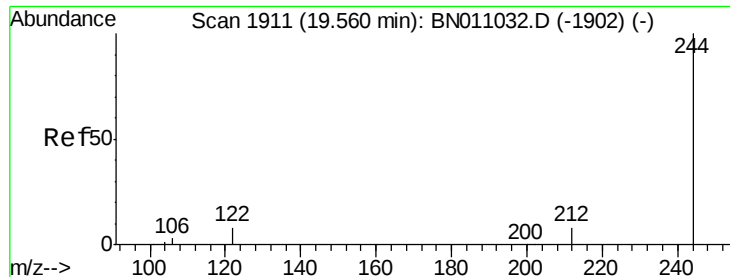


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Terphenyl-d14

Concen: 0.469 ng

RT: 19.55 min Scan# 1908

Delta R.T. -0.01 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

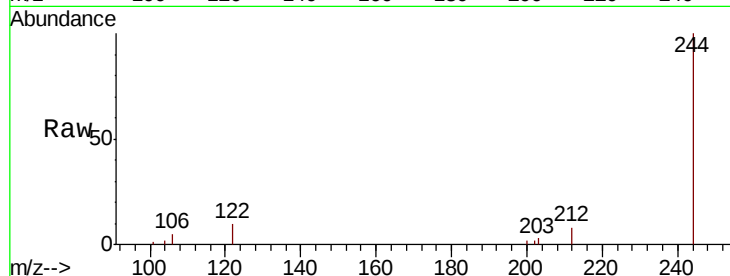
Tot Ion:244 Resp: 14621

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

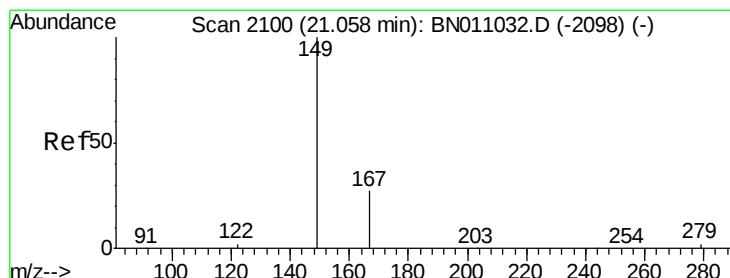
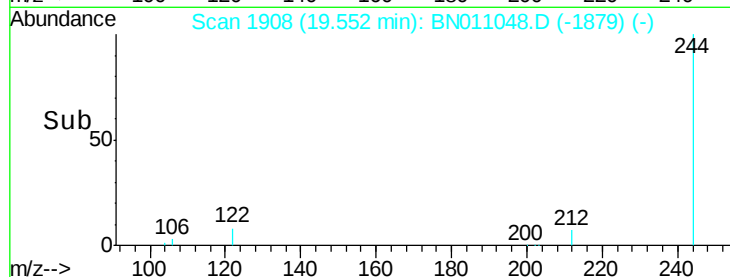
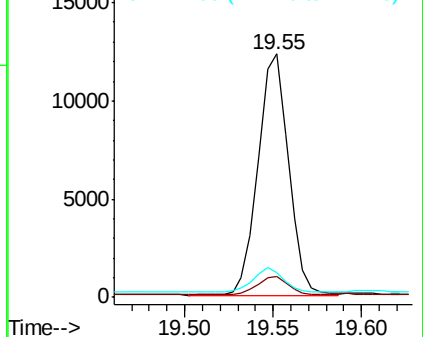
122 10.3 7.4 11.0



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: 0.296 ng

RT: 21.05 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

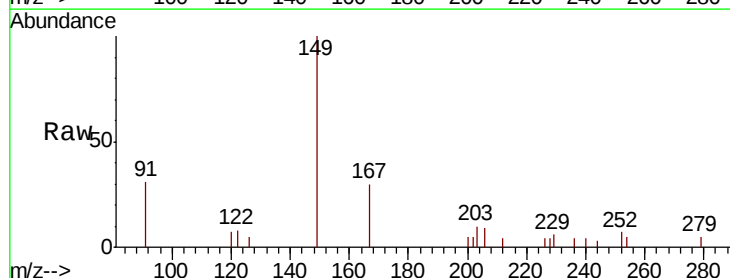
Tgt Ion:149 Resp: 4786

Ion Ratio Lower Upper

149 100

167 27.9 22.2 33.2

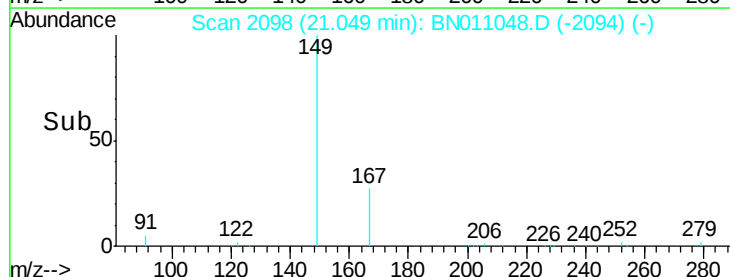
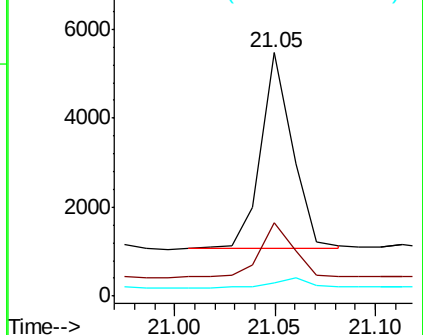
279 5.5 3.9 5.9

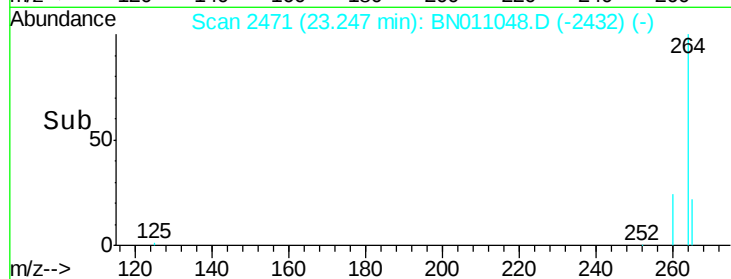
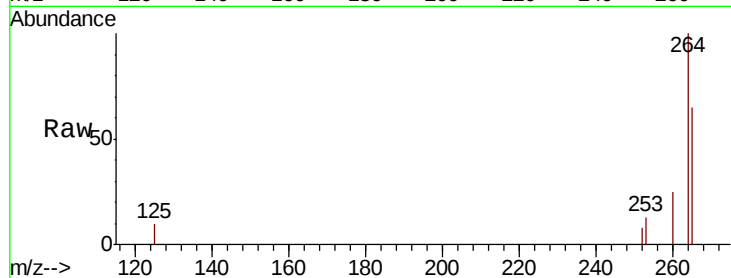
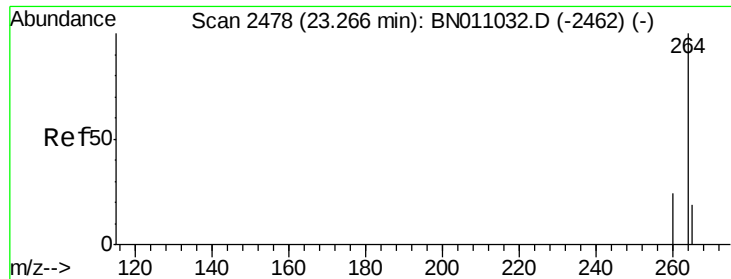


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2471

Delta R.T. -0.02 min

Lab File: BN011048.D

Acq: 24 Jun 2020 15:02

Instrument :

BNA_N

ClientSampleId :

SS043MW100-200615

Tot Ion:264 Resp: 12064

Ion Ratio Lower Upper

264 100

260 25.1 20.0 30.0

265 65.4 64.9 97.3

