

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062420\
 Data File : BN011050.D
 Acq On : 24 Jun 2020 16:14
 Operator : CG/JU
 Sample : L3033-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 KY032MW006-200616

Quant Time: Jun 24 16:49:50 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	7.47	152	46081	0.40	ng	-0.05
7) Naphthalene-d8	10.22	136	19754	0.40	ng	-0.05
13) Acenaphthene-d10	14.14	164	9884	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	13365	0.40	ng	0.00
29) Chrysene-d12	21.11	240	11638	0.40	ng	0.00
36) Perylene-d12	23.25	264	12144	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	14500	0.11	ng	-0.12
5) Phenol-d6	6.75	99	5037	0.03	ng	0.04
8) Nitrobenzene-d5	8.67	82	39628	2.20	ng	0.03
11) 2-Methylnaphthalene-d10	11.82	152	492	0.01	ng	-0.04
14) 2,4,6-Tribromophenol	15.65	330	1478	0.34	ng	0.01
15) 2-Fluorobiphenyl	12.77	172	10754	0.23	ng	0.01
27) Fluoranthene-d10	18.94	212	12880	0.30	ng	0.00
31) Terphenyl-d14	19.55	244	13444	0.43	ng	0.00

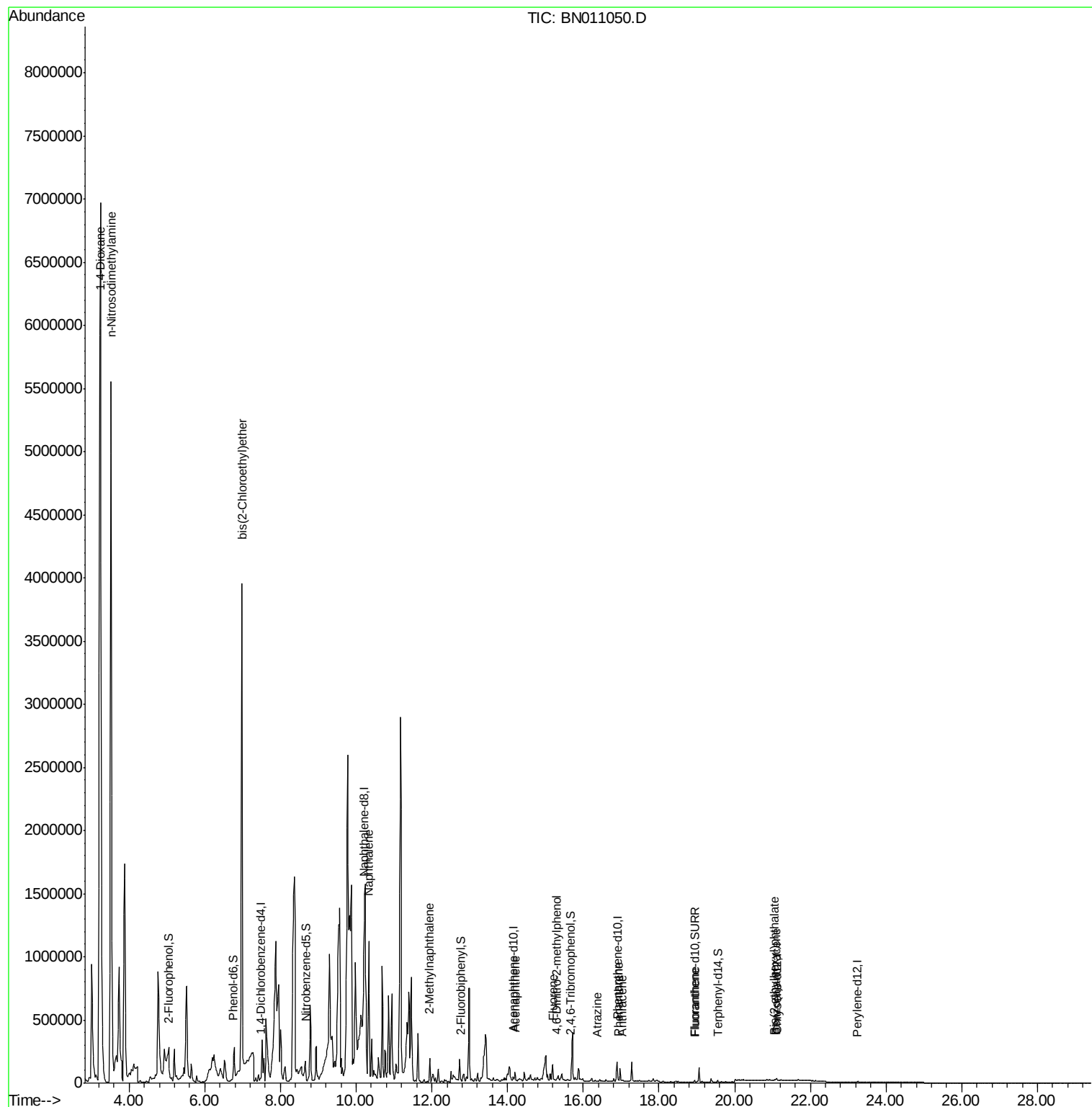
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	12460034	201.132	ng	99
3) n-Nitrosodimethylamine	3.52	42	746347	21.595	ng	# 1
6) bis(2-Chloroethyl)ether	6.99	93	3435382	25.858	ng	96
9) Naphthalene	10.33	128	1330005	22.167	ng	99
12) 2-Methylnaphthalene	11.95	142	123336	3.070	ng	# 94
17) Acenaphthene	14.21	154	1252	0.037	ng	# 17
18) Fluorene	15.20	166	2310	0.054	ng	# 53
20) 4,6-Dinitro-2-methylphenol	15.30	198	311	0.139	ng	# 1
23) Atrazine	16.36	200	3434	0.503	ng	# 52
25) Phenanthrene	16.93	178	1922	0.043	ng	# 60
26) Anthracene	17.03	178	1383	0.037	ng	# 1
28) Fluoranthene	18.97	202	1080	0.021	ng	# 78
32) Benzo(a)anthracene	21.09	228	921	0.023	ng	# 1
34) Bis(2-ethylhexyl)phthalate	21.05	149	6985	0.431	ng	# 84

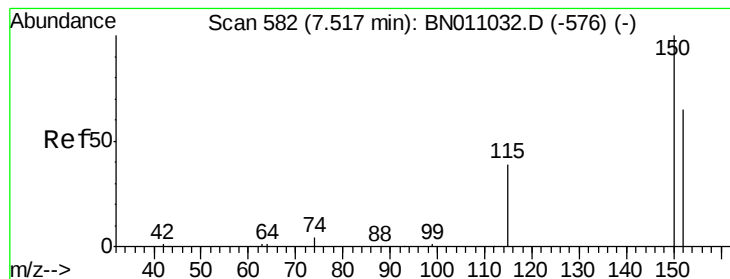
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062420\
Data File : BN011050.D
Acq On : 24 Jun 2020 16:14
Operator : CG/JU
Sample : L3033-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
KY032MW006-200616

Quant Time: Jun 24 16:49:50 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



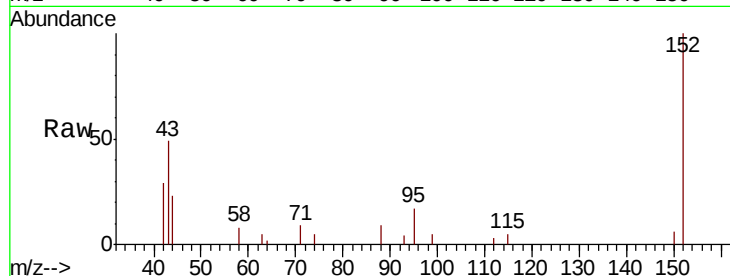


#1

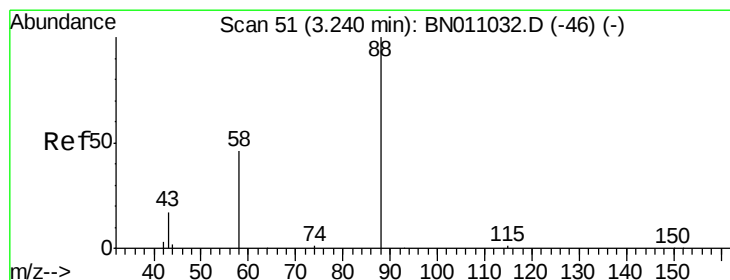
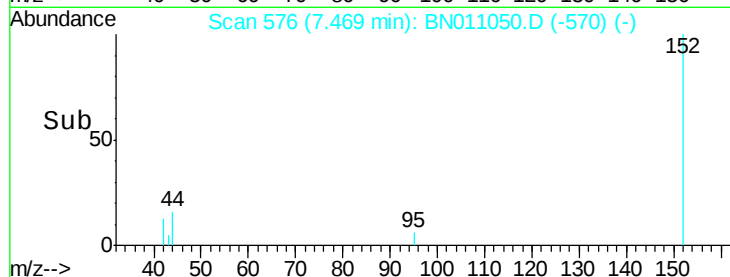
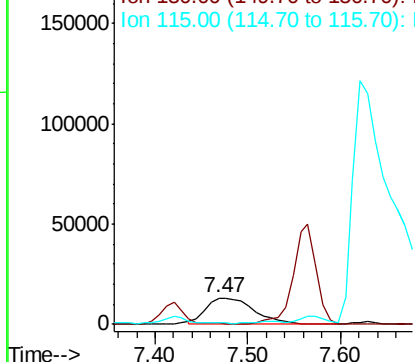
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.47 min Scan# 576
Delta R.T. -0.05 min
Lab File: BN011050.D
Acq: 24 Jun 2020 16:14

Instrument :
BNA_N
ClientSampleId :
KY032MW006-200616

Tot Ion:152 Resp: 46081
Ion Ratio Lower Upper
152 100
150 5.7 121.8 182.8#
115 4.8 50.2 75.2#



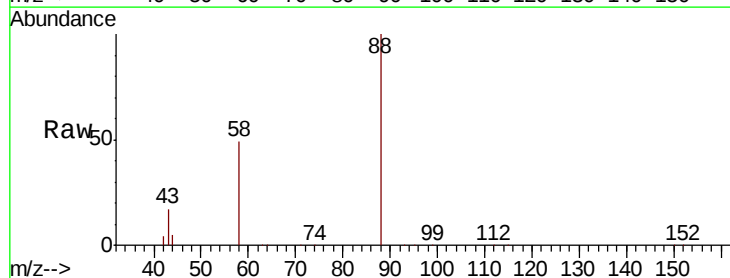
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



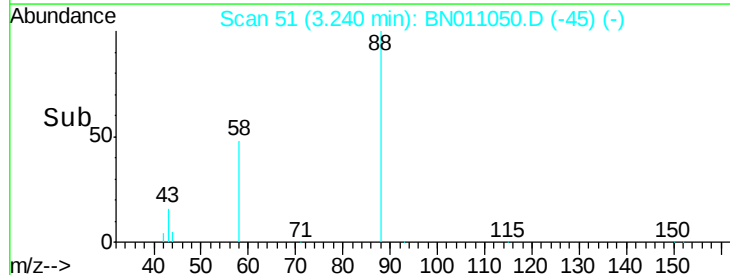
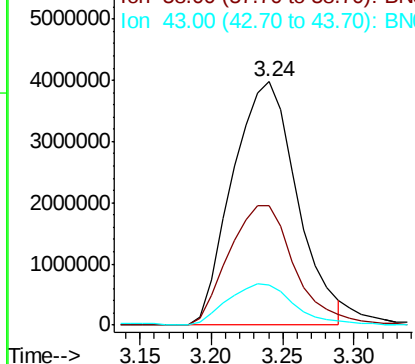
#2

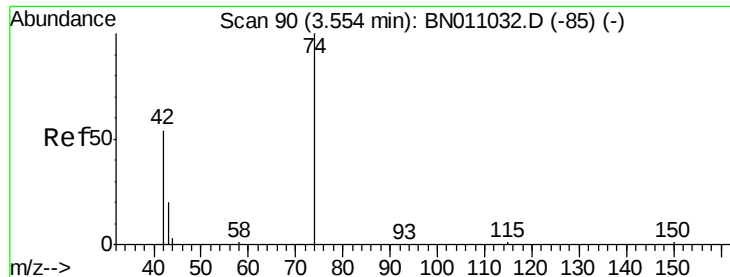
1,4-Dioxane
Concen: 201.132 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN011050.D
Acq: 24 Jun 2020 16:14

Tgt Ion: 88 Resp:12460034
Ion Ratio Lower Upper
88 100
58 48.5 38.4 57.6
43 16.7 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



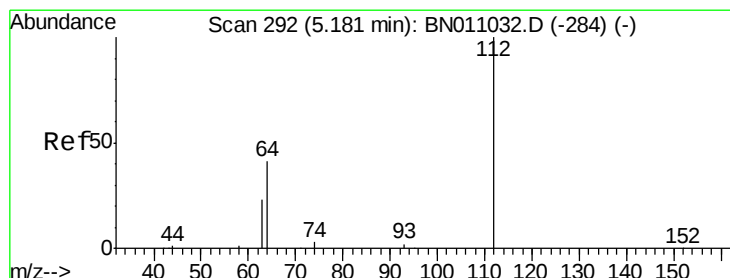
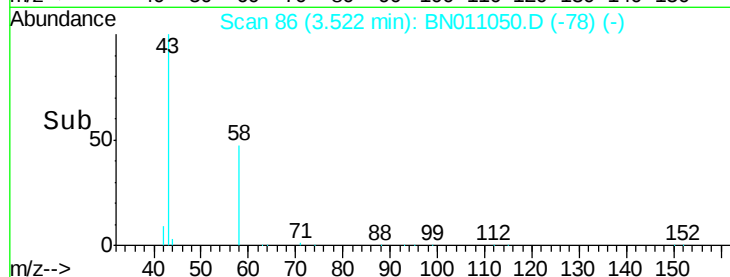
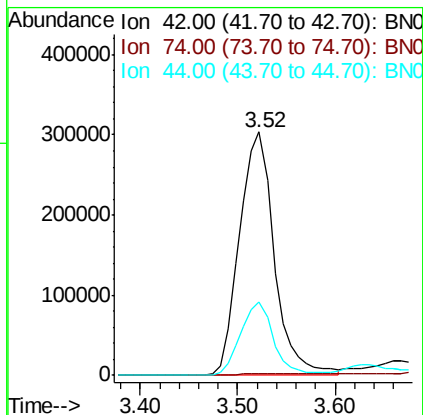
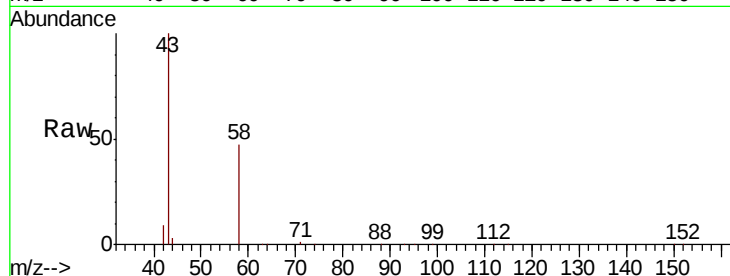


#3

n-Nitrosodimethylamine
 Concen: 21.595 ng
 RT: 3.52 min Scan# 86
 Delta R.T. -0.03 min
 Lab File: BN011050.D
 Acq: 24 Jun 2020 16:14

Instrument :
 BNA_N
 ClientSampleId :
 KY032MW006-200616

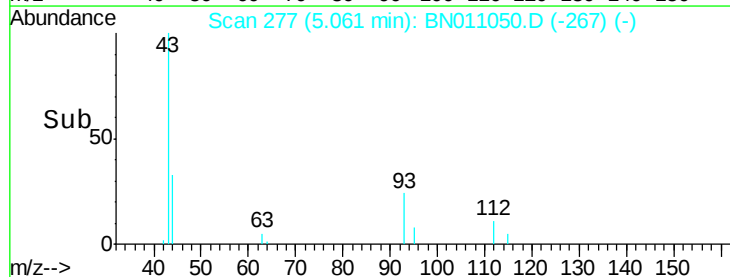
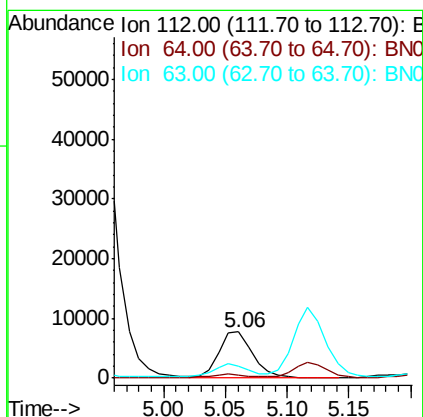
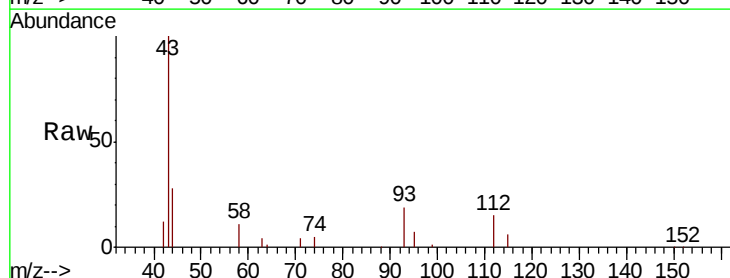
Tot Ion: 42 Resp: 746347
 Ion Ratio Lower Upper
 42 100
 74 1.2 154.8 232.2#
 44 28.2 4.8 7.2#

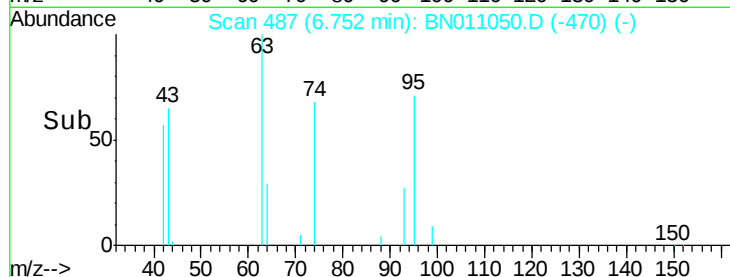
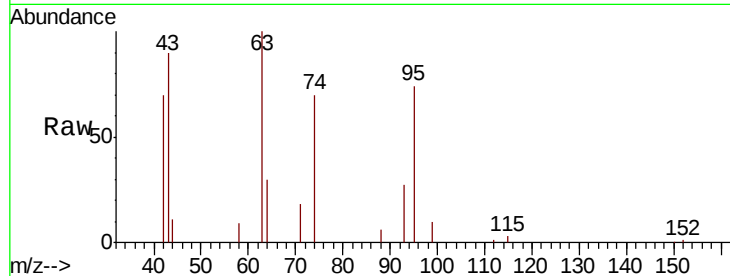
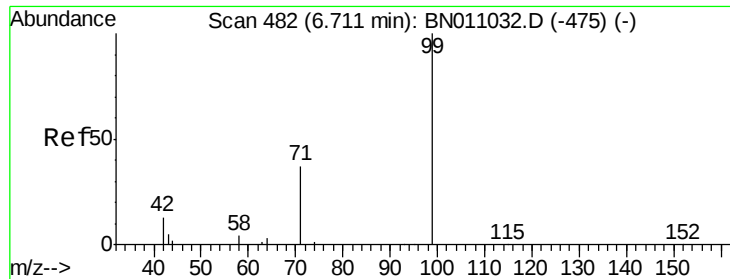


#4

2-Fluorophenol
 Concen: 0.112 ng
 RT: 5.06 min Scan# 277
 Delta R.T. -0.12 min
 Lab File: BN011050.D
 Acq: 24 Jun 2020 16:14

Tgt Ion: 112 Resp: 14500
 Ion Ratio Lower Upper
 112 100
 64 7.7 37.3 55.9#
 63 29.6 20.4 30.6





#5

Phenol-d6

Concen: 0.033 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.04 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

Instrument :

BNA_N

ClientSampleId :

KY032MW006-200616

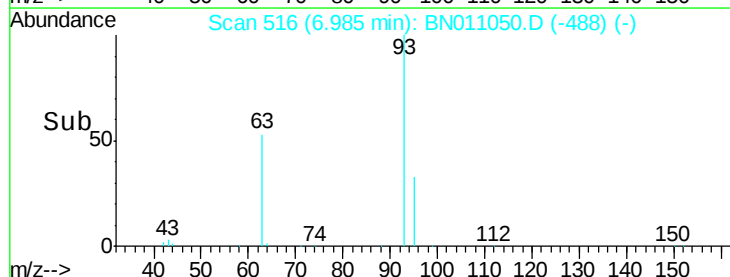
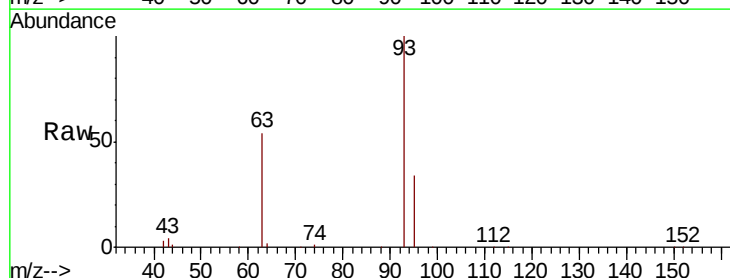
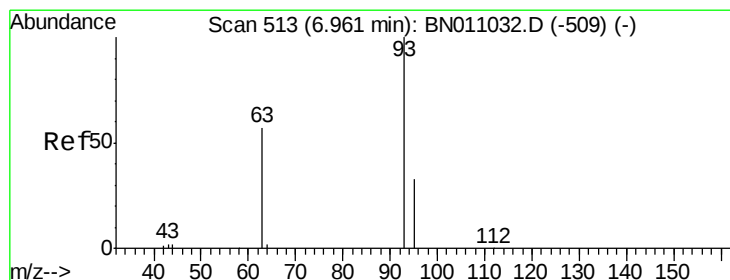
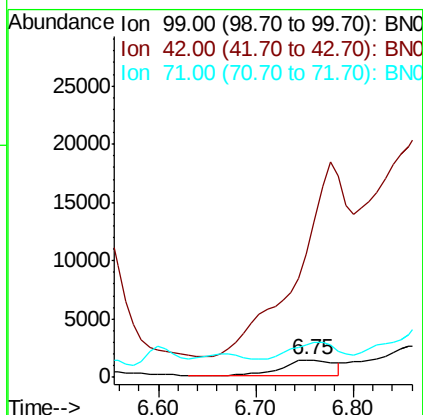
Tot Ion: 99 Resp: 5037

Ion Ratio Lower Upper

99 100

42 0.0 10.6 16.0#

71 0.0 28.7 43.1#



#6

bis(2-Chloroethyl)ether

Concen: 25.858 ng

RT: 6.99 min Scan# 516

Delta R.T. 0.02 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

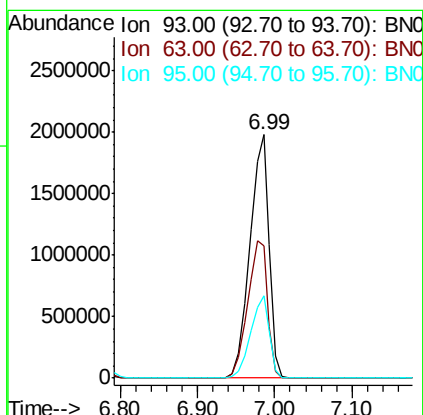
Tgt Ion: 93 Resp: 3435382

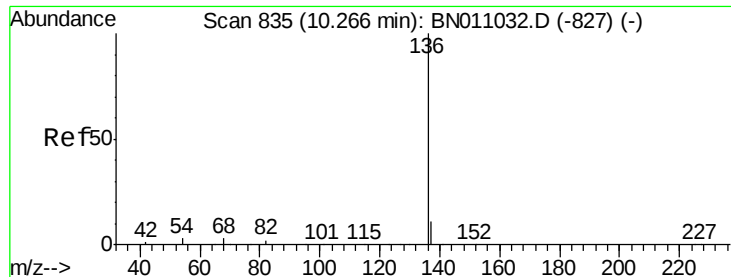
Ion Ratio Lower Upper

93 100

63 58.2 43.7 65.5

95 33.2 25.3 37.9





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.22 min Scan# 831

Delta R.T. -0.05 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

Instrument :

BNA_N

ClientSampleId :

KY032MW006-200616

Tot Ion:136 Resp: 19754

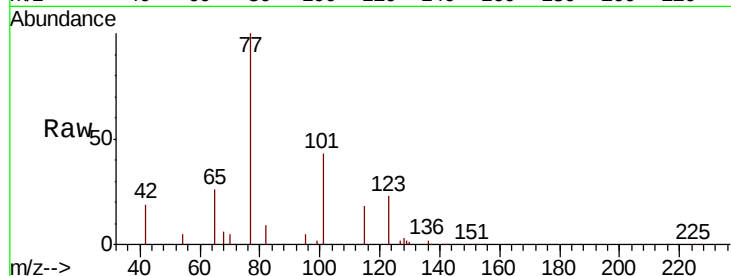
Ion Ratio Lower Upper

136 100

137 20.0 9.6 14.4#

54 212.9 3.0 4.4#

68 277.2 3.4 5.2#



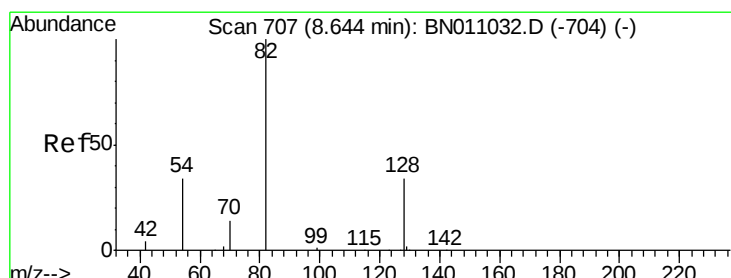
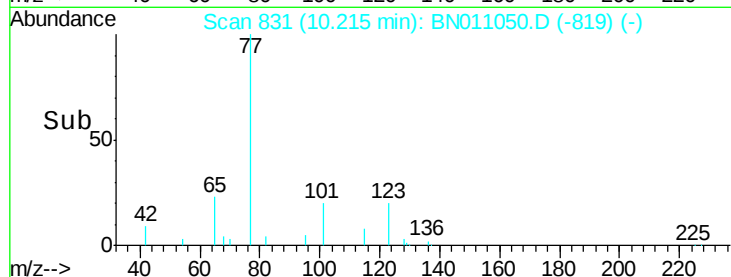
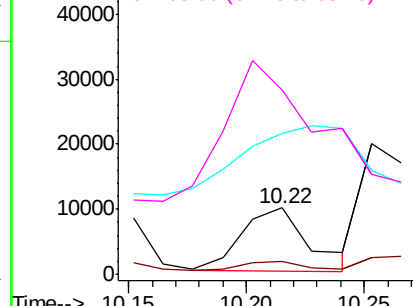
Abundance

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: 2.202 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.03 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

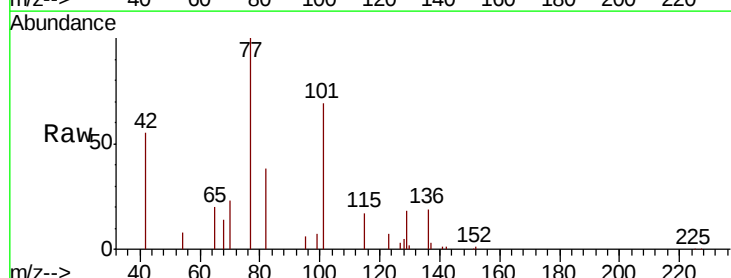
Tgt Ion: 82 Resp: 39628

Ion Ratio Lower Upper

82 100

128 13.4 29.4 44.2#

54 21.1 28.8 43.2#

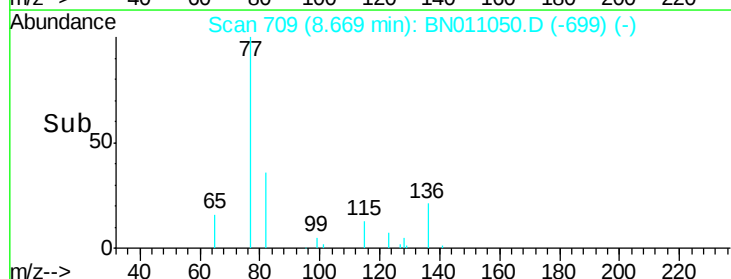
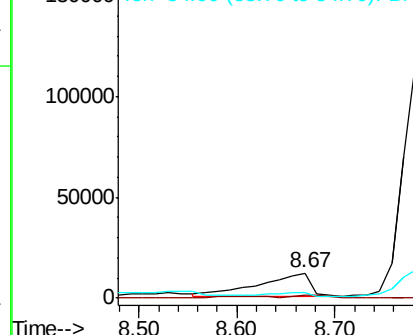


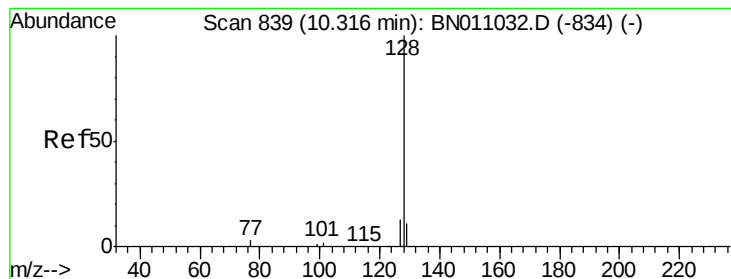
Abundance

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: 22.167 ng

RT: 10.33 min Scan# 840

Delta R.T. 0.01 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

Instrument :

BNA_N

ClientSampleId :

KY032MW006-200616

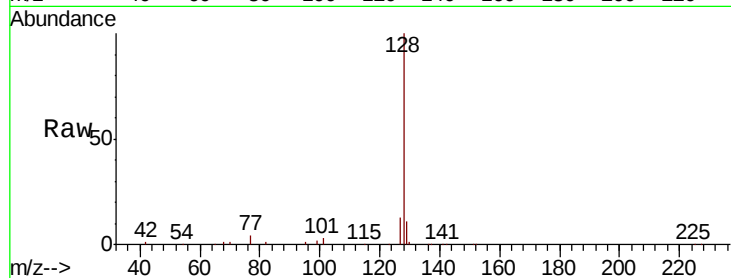
Tot Ion:128 Resp: 1330005

Ion Ratio Lower Upper

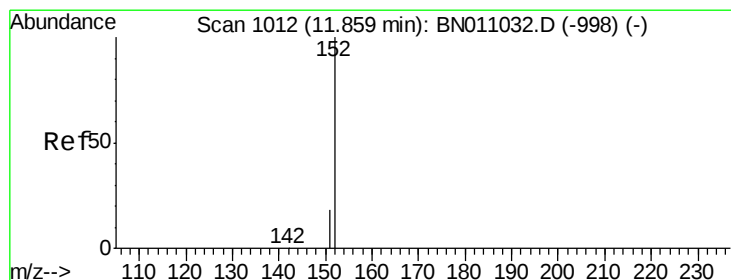
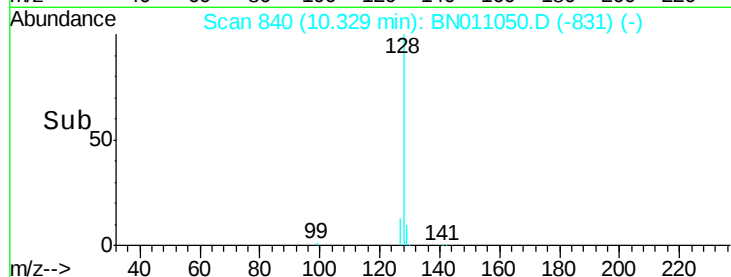
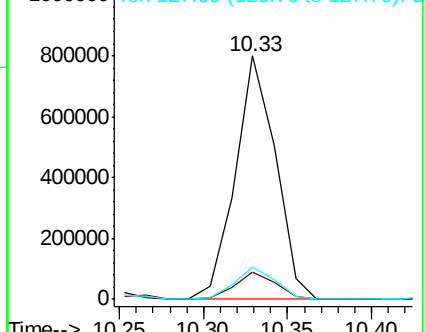
128 100

129 11.2 9.8 14.6

127 13.4 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: 0.014 ng

RT: 11.82 min Scan# 1003

Delta R.T. -0.04 min

Lab File: BN011050.D

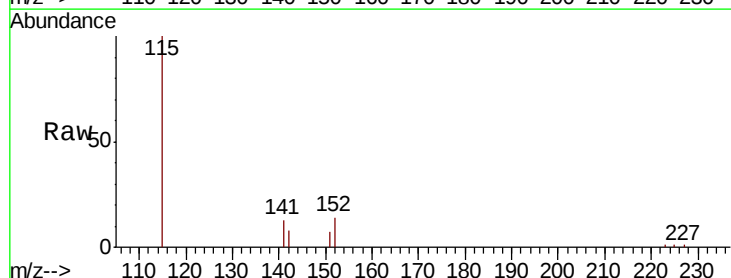
Acq: 24 Jun 2020 16:14

Tgt Ion:152 Resp: 492

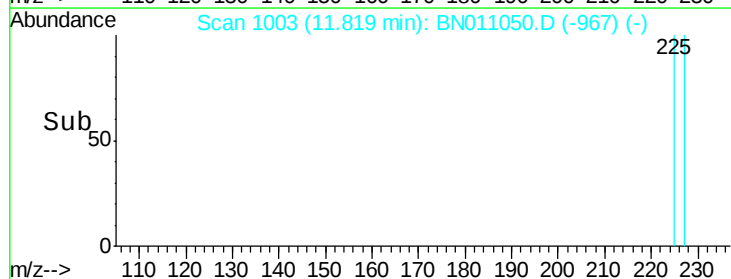
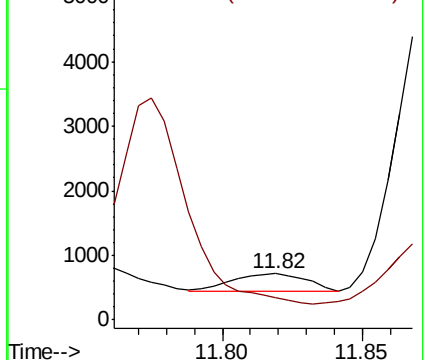
Ion Ratio Lower Upper

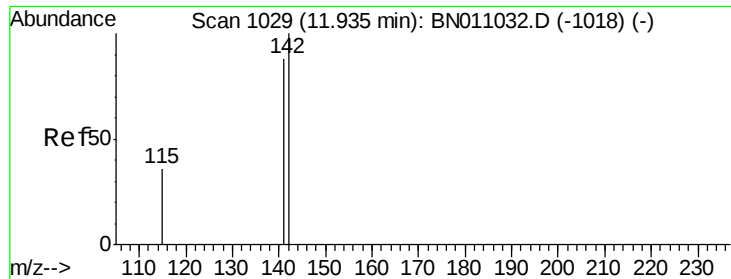
152 100

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: 3.070 ng

RT: 11.95 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

Instrument :

BNA_N

ClientSampleId :

KY032MW006-200616

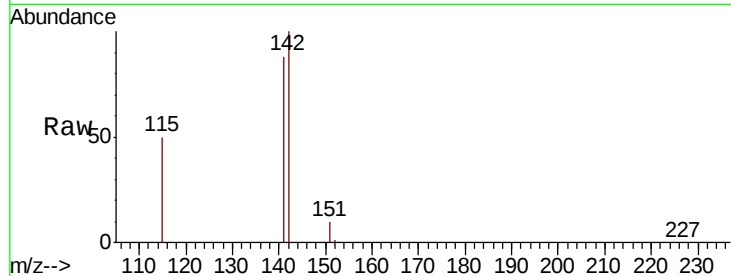
Tot Ion:142 Resp: 123336

Ion Ratio Lower Upper

142 100

141 87.8 70.6 106.0

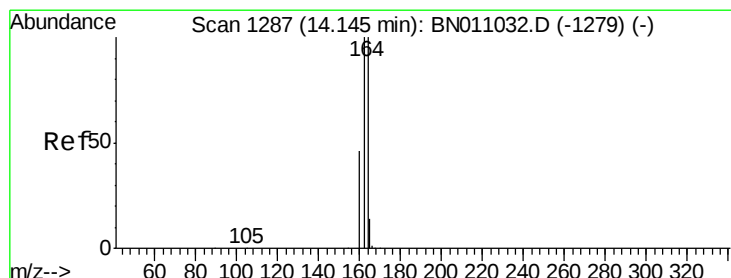
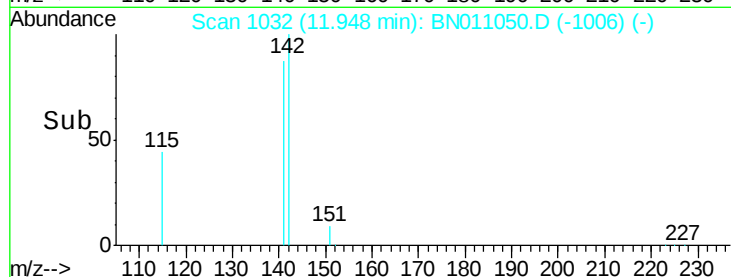
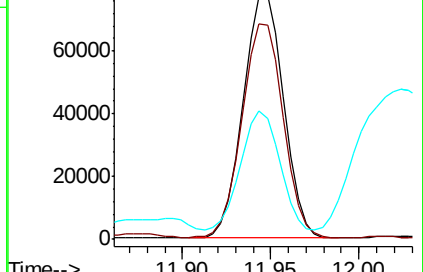
115 49.7 30.2 45.2#



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: BN011050.D

Acq: 24 Jun 2020 16:14

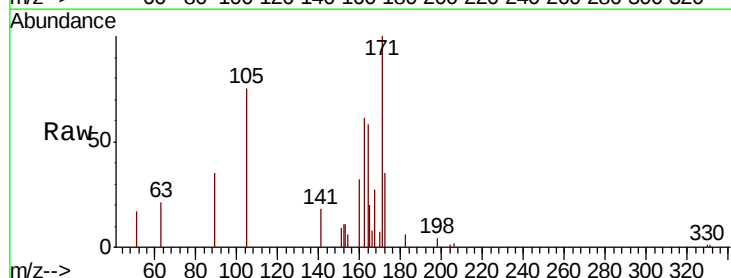
Tgt Ion:164 Resp: 9884

Ion Ratio Lower Upper

164 100

162 106.0 80.2 120.4

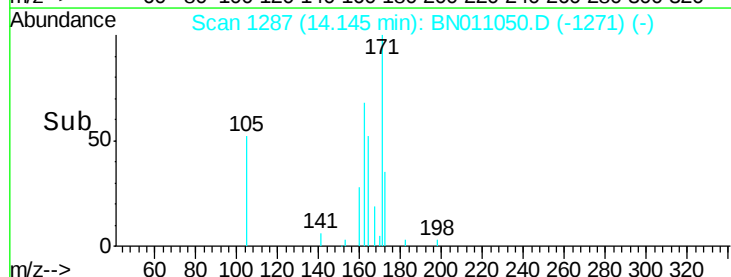
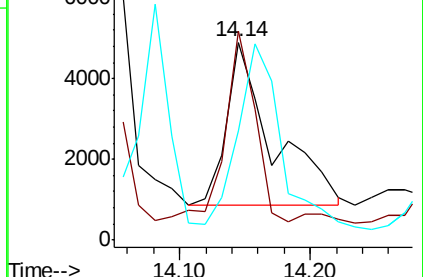
160 55.4 37.7 56.5

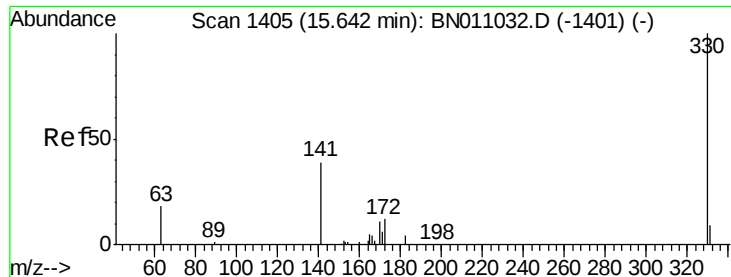


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.340 ng

RT: 15.65 min Scan# 1406

Delta R.T. 0.01 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

Instrument :

BNA_N

ClientSampleId :

KY032MW006-200616

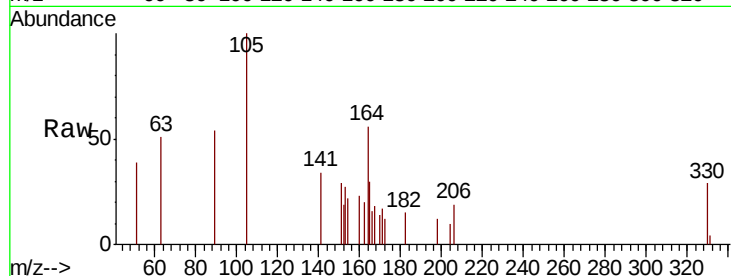
Tot Ion:330 Resp: 1478

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 0.0 34.5 51.7#

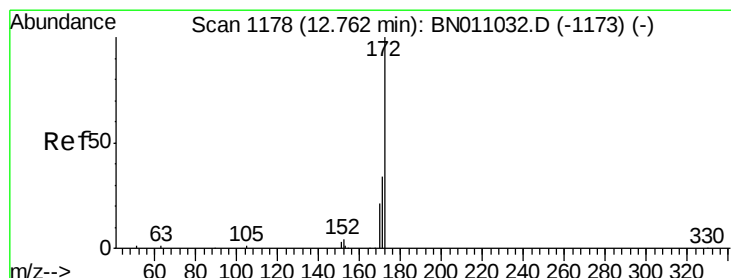
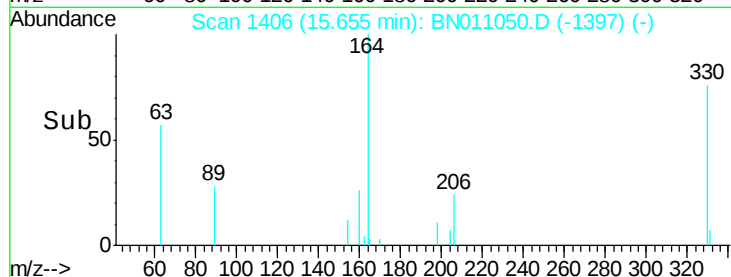


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

Time--> 15.50 15.60 15.70 15.80



#15

2-Fluorobiphenyl

Concen: 0.233 ng

RT: 12.77 min Scan# 1179

Delta R.T. 0.01 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

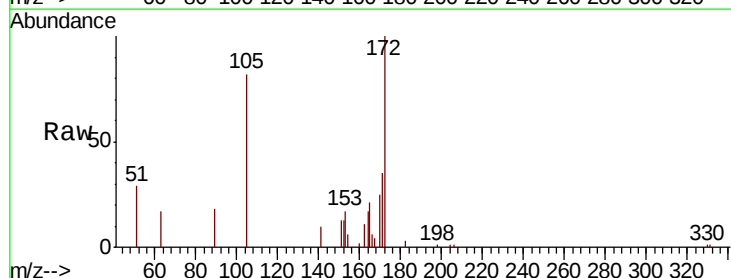
Tgt Ion:172 Resp: 10754

Ion Ratio Lower Upper

172 100

171 35.3 27.4 41.2

170 24.6 17.5 26.3

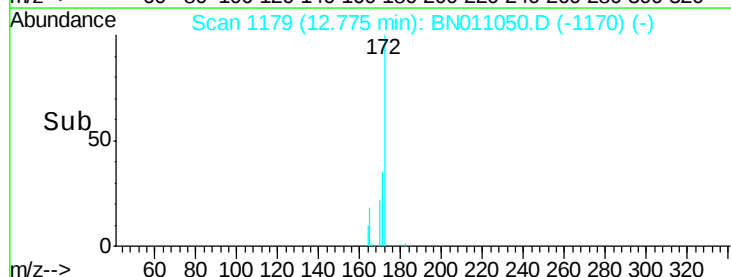


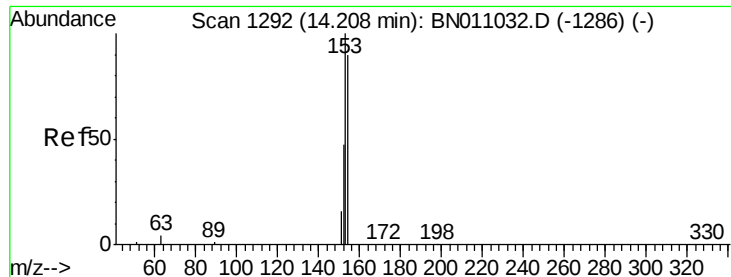
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

Time--> 12.70 12.75 12.80





#17

Acenaphthene

Concen: 0.037 ng

RT: 14.21 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

Instrument :

BNA_N

ClientSampleId :

KY032MW006-200616

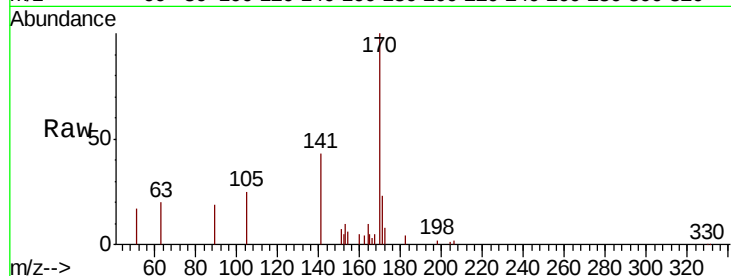
Tot Ion:154 Resp: 1252

Ion Ratio Lower Upper

154 100

153 0.0 92.3 138.5#

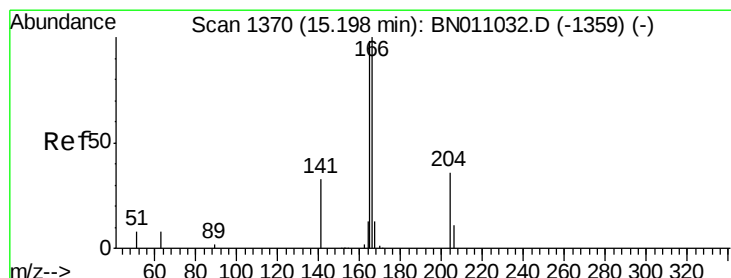
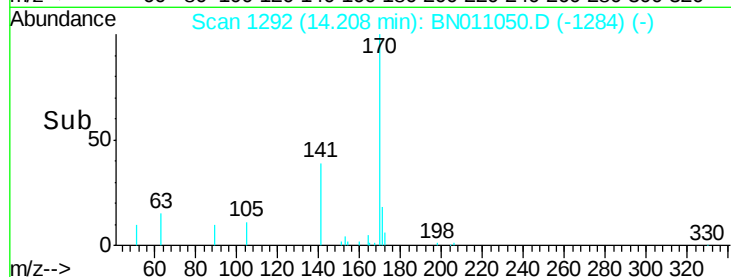
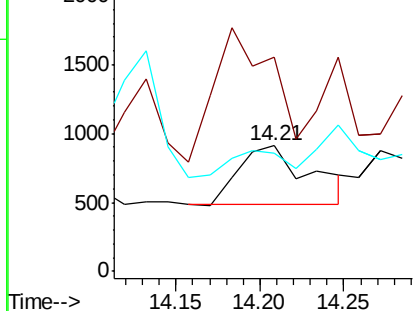
152 30.2 45.5 68.3#



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: 0.054 ng

RT: 15.20 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

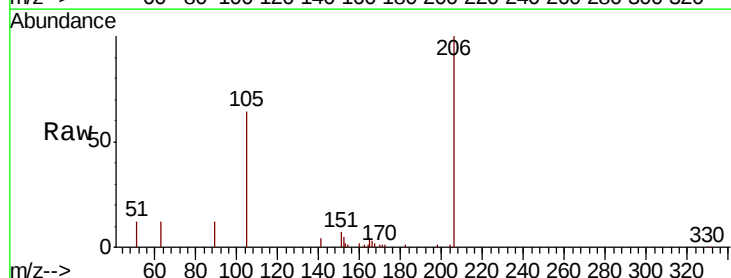
Tgt Ion:166 Resp: 2310

Ion Ratio Lower Upper

166 100

165 147.9 77.8 116.8#

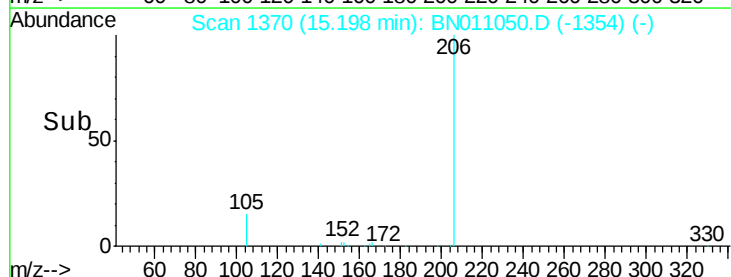
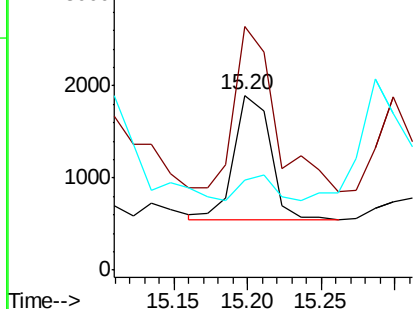
167 18.4 10.8 16.2#

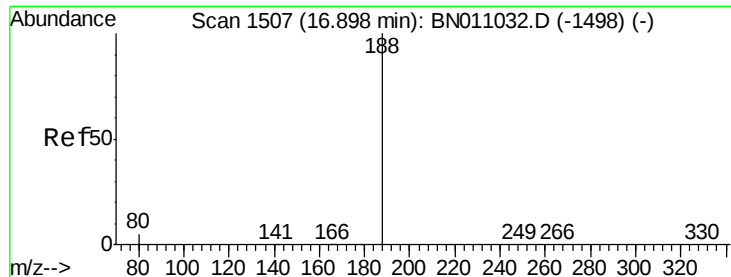


Abundance Ion 166.00 (165.70 to 166.70): E

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: BN011050.D

Acq: 24 Jun 2020 16:14

Instrument:

BNA_N

ClientSampleId:

KY032MW006-200616

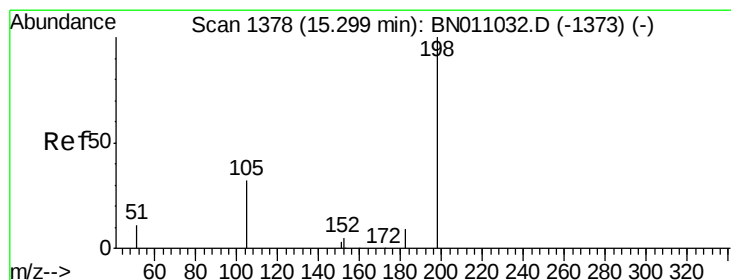
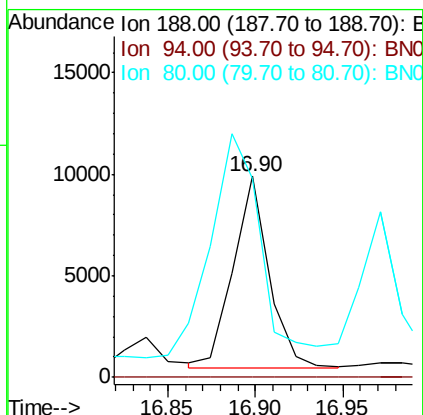
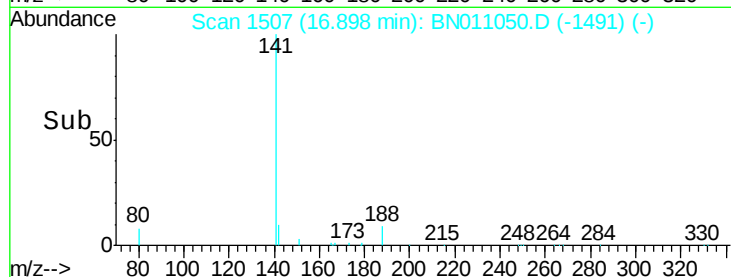
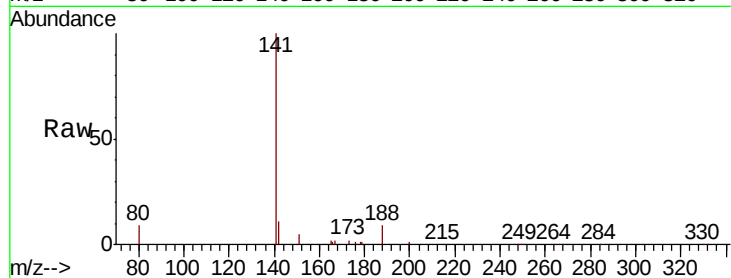
Tot Ion:188 Resp: 13365

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 99.1 4.6 7.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.139 ng

RT: 15.30 min Scan# 1378

Delta R.T. 0.00 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

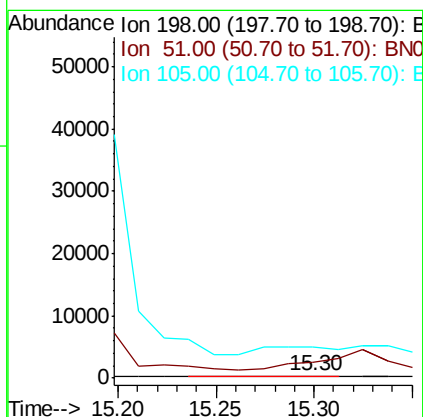
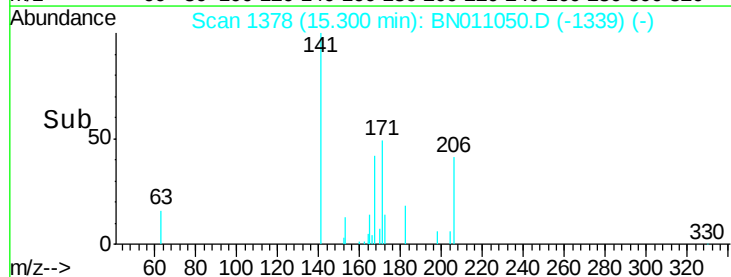
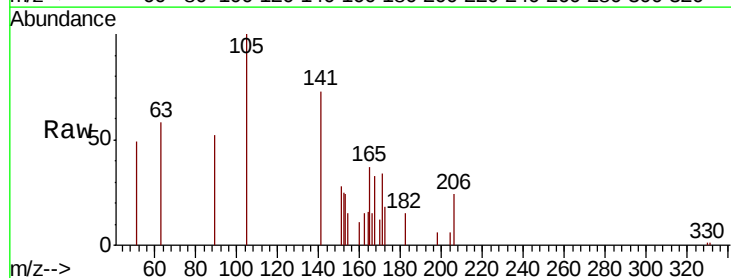
Tgt Ion:198 Resp: 311

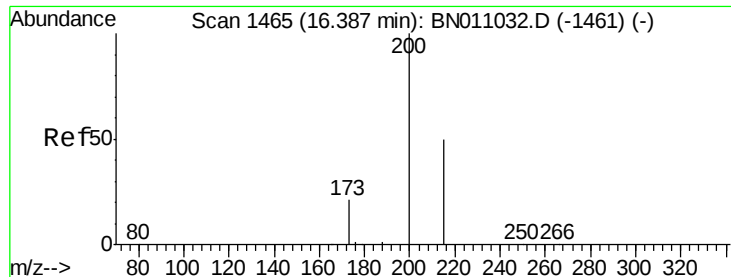
Ion Ratio Lower Upper

198 100

51 753.0 29.5 44.3#

105 1548.5 39.2 58.8#





#23

Atrazine

Concen: 0.503 ng

RT: 16.36 min Scan# 1463

Delta R.T. -0.02 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

Instrument :

BNA_N

ClientSampleId :

KY032MW006-200616

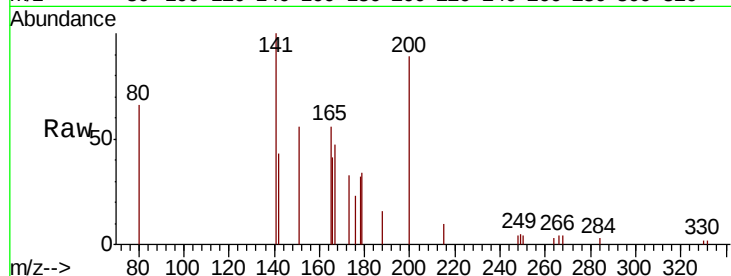
Tot Ion:200 Resp: 3434

Ion Ratio Lower Upper

200 100

173 36.8 19.4 29.2#

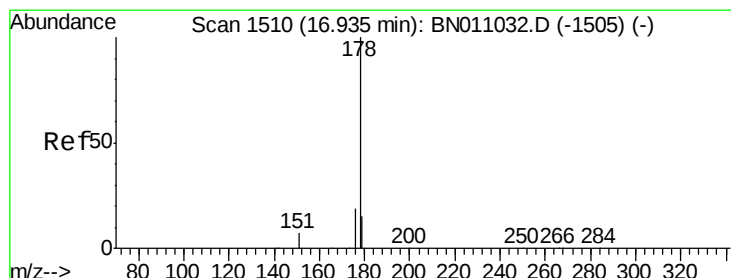
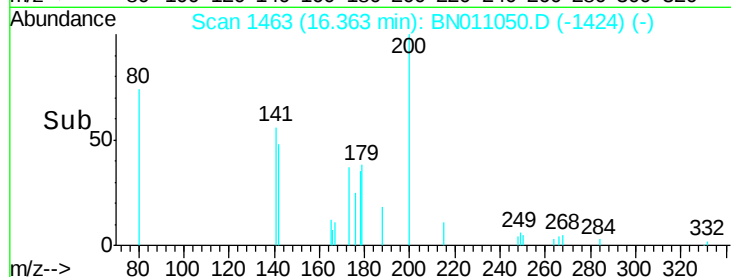
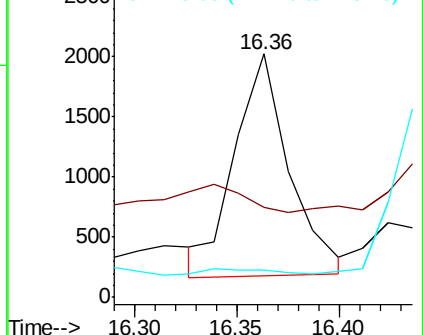
215 11.0 41.5 62.3#



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: 0.043 ng

RT: 16.93 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

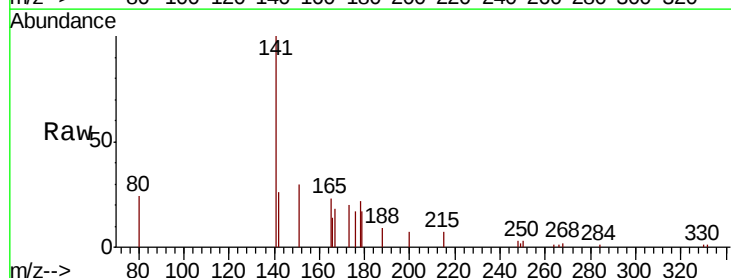
Tgt Ion:178 Resp: 1922

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.6#

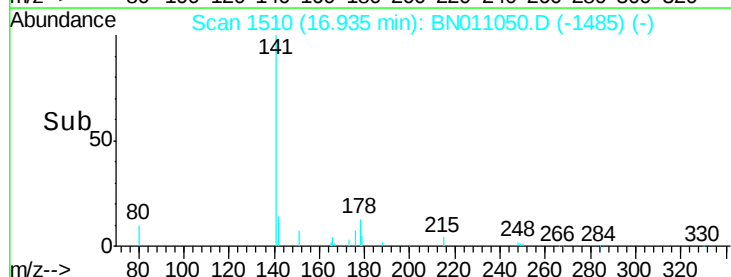
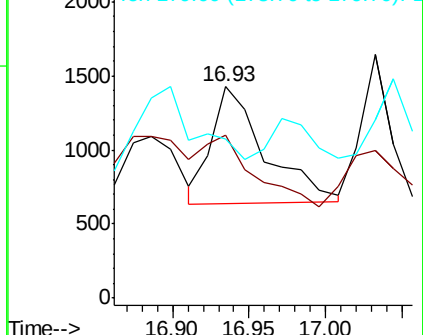
179 0.0 12.3 18.5#

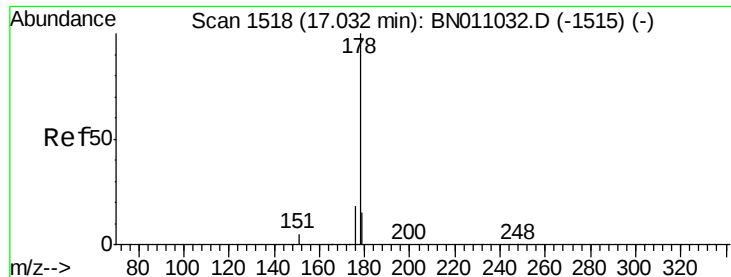


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#26

Anthracene

Concen: 0.037 ng

RT: 17.03 min Scan# 1518

Delta R.T. 0.00 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

Instrument :

BNA_N

ClientSampleId :

KY032MW006-200616

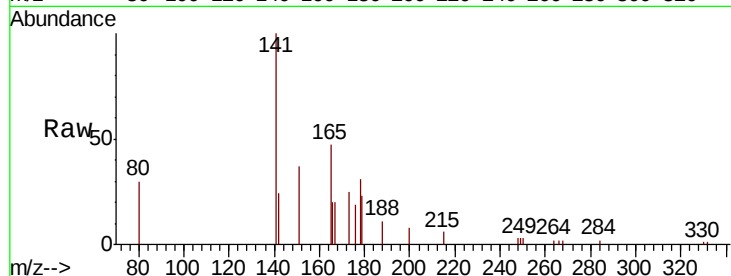
Tot Ion:178 Resp: 1383

Ion Ratio Lower Upper

178 100

176 105.9 14.7 22.1#

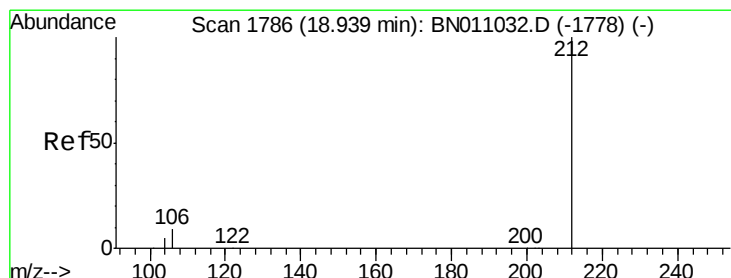
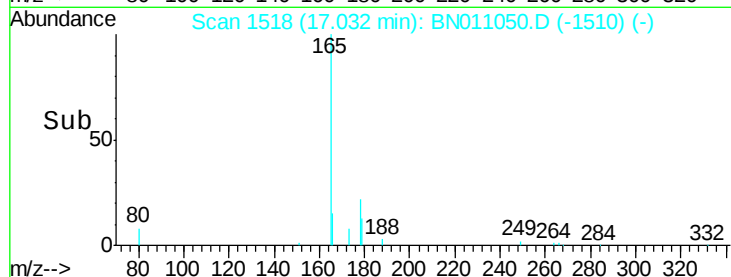
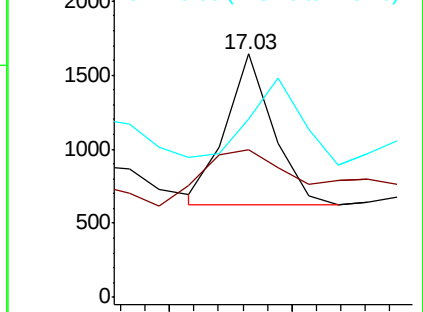
179 64.6 12.2 18.4#



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: 0.305 ng

RT: 18.94 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

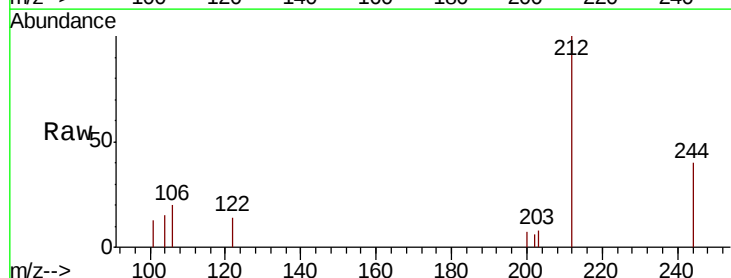
Tgt Ion:212 Resp: 12880

Ion Ratio Lower Upper

212 100

106 14.5 7.7 11.5#

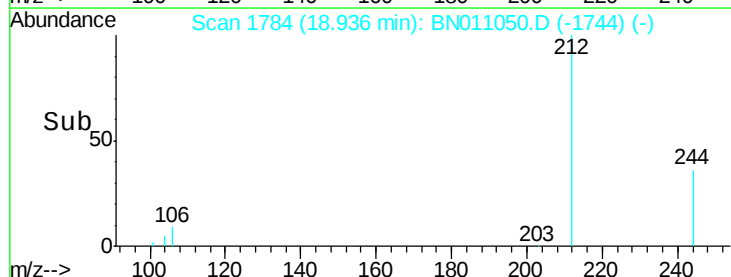
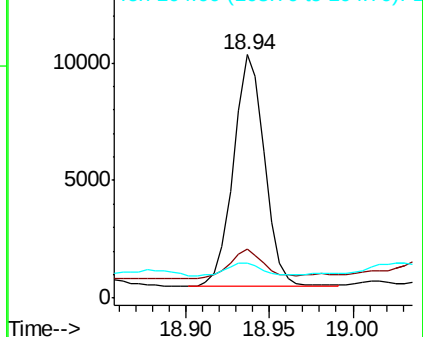
104 5.4 4.6 6.8

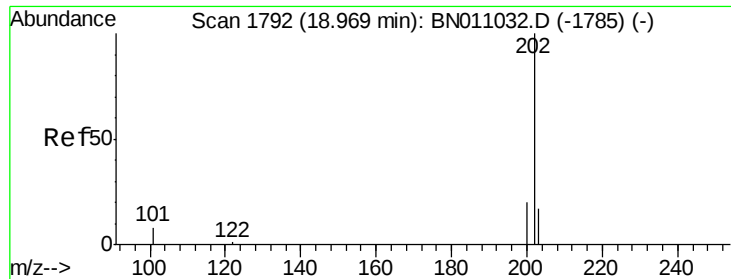


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#28

Fluoranthene

Concen: 0.021 ng

RT: 18.97 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

Instrument :

BNA_N

ClientSampleId :

KY032MW006-200616

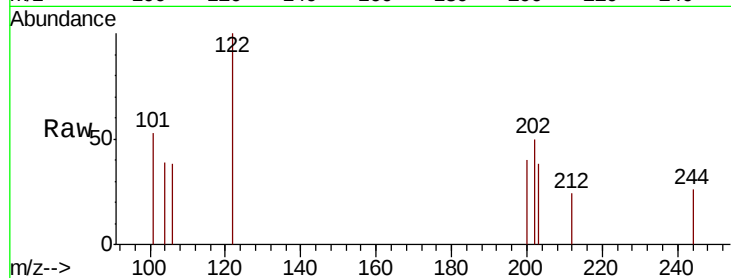
Tot Ion:202 Resp: 1080

Ion Ratio Lower Upper

202 100

101 0.0 6.6 10.0#

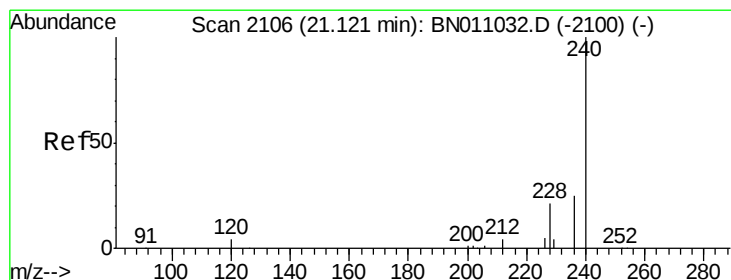
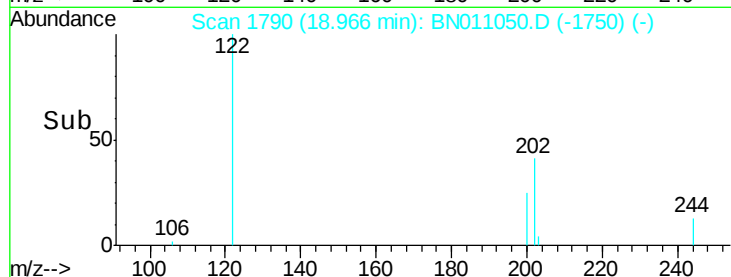
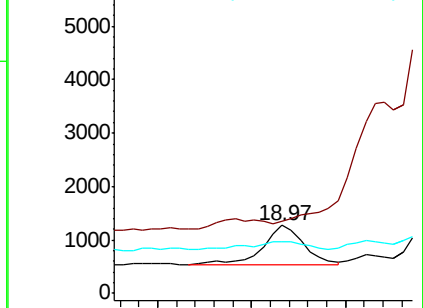
203 26.6 13.8 20.6#



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: BN011050.D

Acq: 24 Jun 2020 16:14

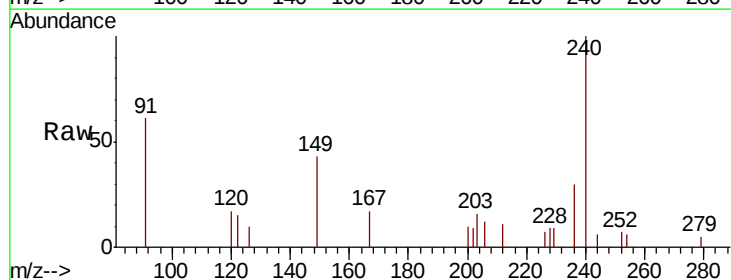
Tgt Ion:240 Resp: 11638

Ion Ratio Lower Upper

240 100

120 16.6 5.4 8.0#

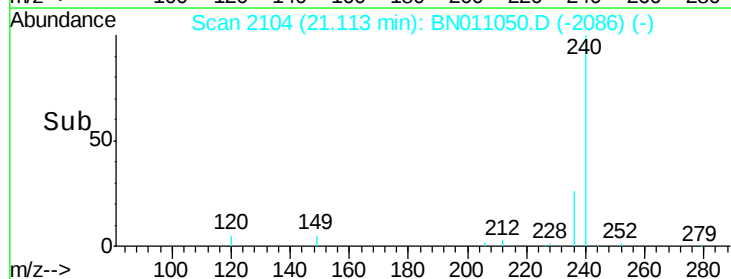
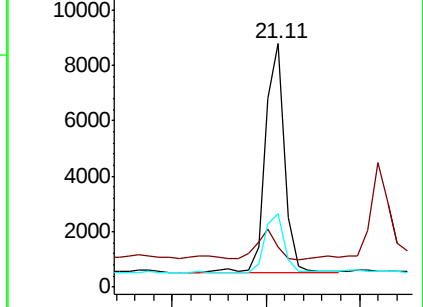
236 30.3 21.4 32.2

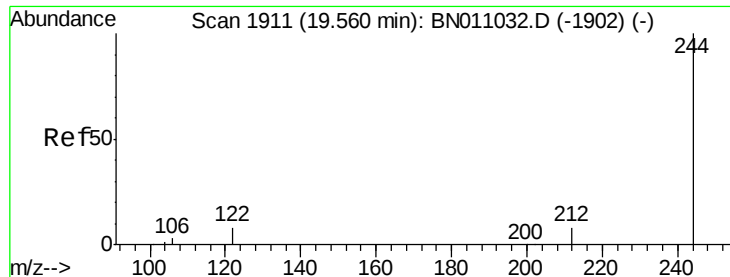


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#31

Terphenyl-d14

Concen: 0.430 ng

RT: 19.55 min Scan# 1908

Delta R.T. -0.01 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

Instrument :

BNA_N

ClientSampleId :

KY032MW006-200616

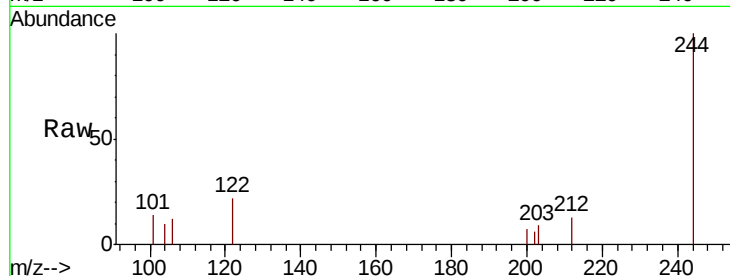
Tot Ion:244 Resp: 13444

Ion Ratio Lower Upper

244 100

212 13.4 6.9 10.3#

122 22.0 7.4 11.0#

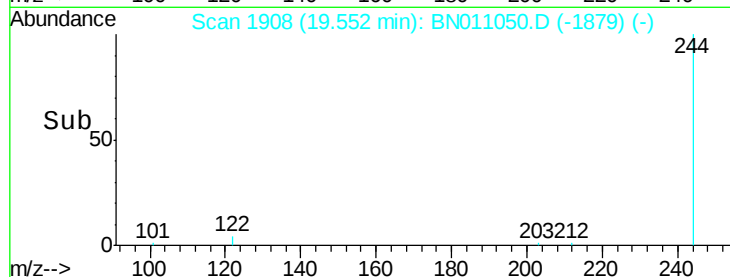


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



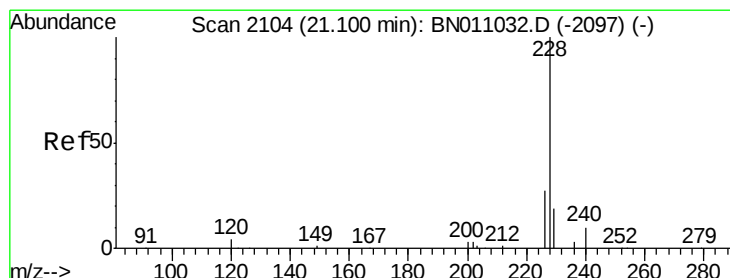
Abundance

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-->



#32

Benzo(a)anthracene

Concen: 0.023 ng

RT: 21.09 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

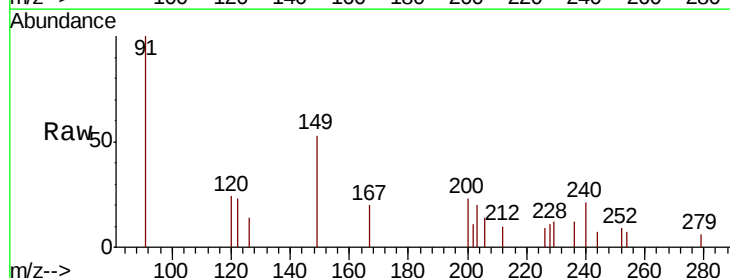
Tgt Ion:228 Resp: 921

Ion Ratio Lower Upper

228 100

226 82.3 22.0 33.0#

229 109.1 15.9 23.9#

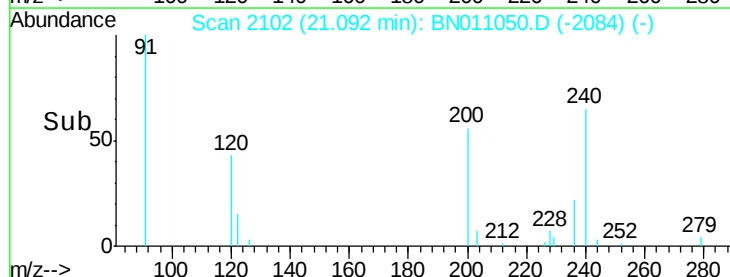


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



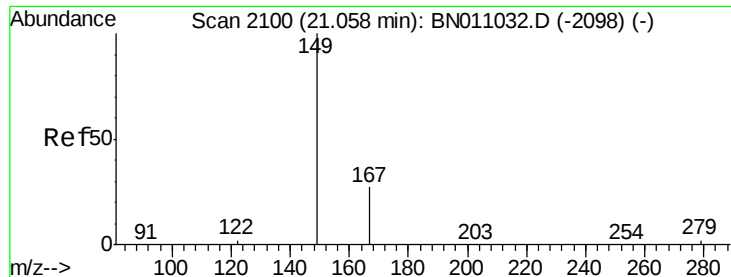
Abundance

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

Time-->



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.431 ng

RT: 21.05 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

Instrument :

BNA_N

ClientSampleId :

KY032MW006-200616

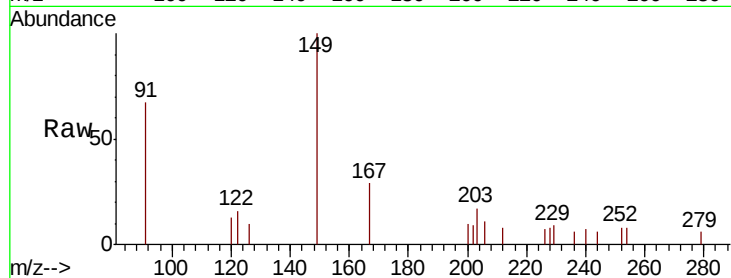
Tot Ion:149 Resp: 6985

Ion Ratio Lower Upper

149 100

167 18.4 22.2 33.2#

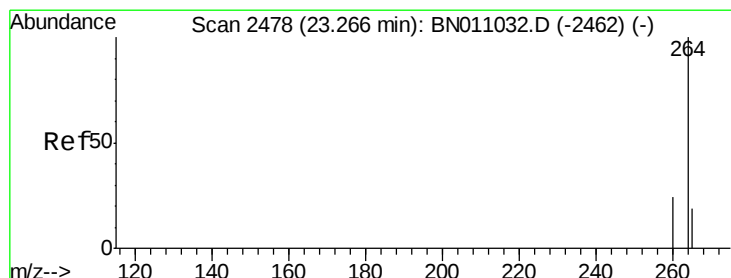
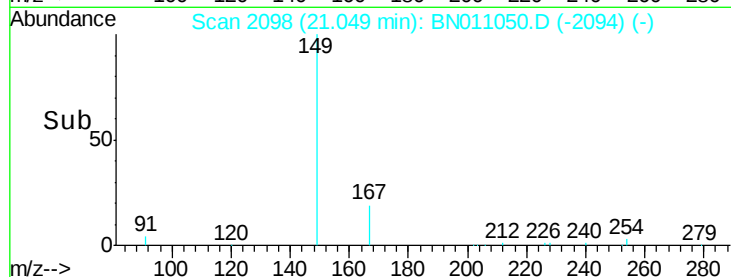
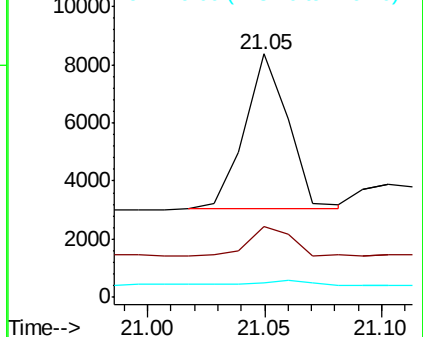
279 3.1 3.9 5.9#



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# 2471

Delta R.T. -0.02 min

Lab File: BN011050.D

Acq: 24 Jun 2020 16:14

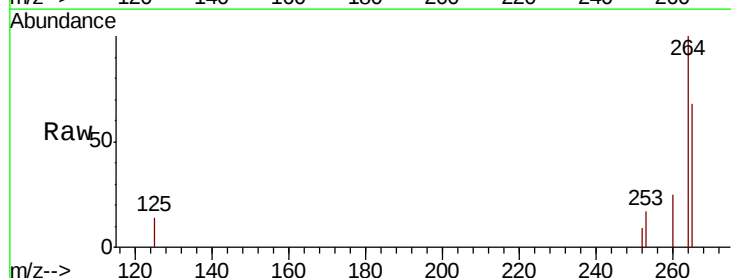
Tgt Ion:264 Resp: 12144

Ion Ratio Lower Upper

264 100

260 25.4 20.0 30.0

265 68.3 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

