

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

Instrument :
 BNA_N
 ClientSampleId :
 SS043MW010-200615

Quant Time: Jun 24 15:01:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 18:53:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	3005	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	9966	0.40	ng	0.00
13) Acenaphthene-d10	14.14	164	5868	0.40	ng	0.00
19) Phenanthrene-d10	16.90	188	12341	0.40	ng	0.00
29) Chrysene-d12	21.11	240	11478	0.40	ng	0.00
36) Perylene-d12	23.25	264	12040	0.40	ng	-0.01

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

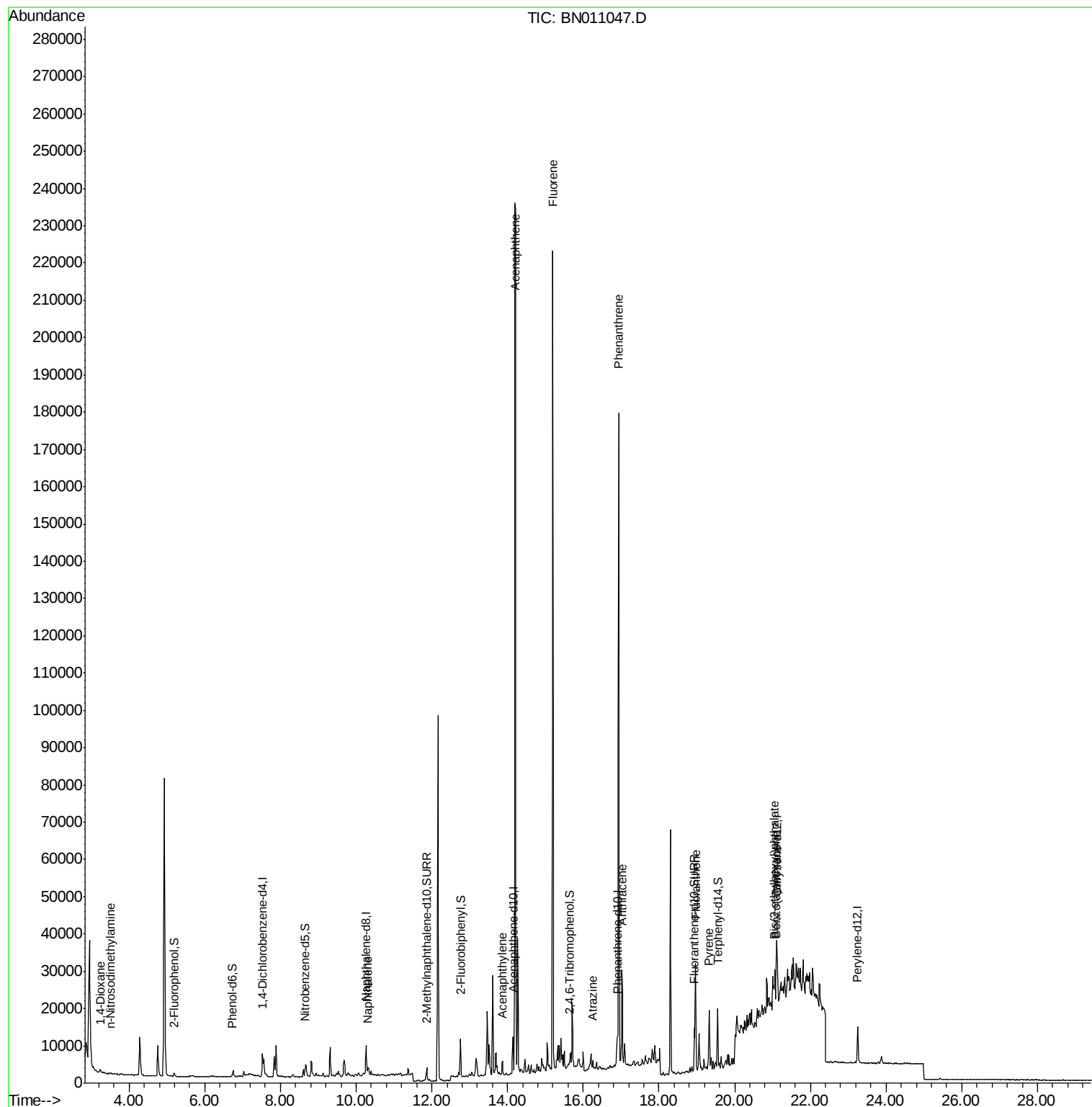
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	1242	0.307	ng	# 78
3) n-Nitrosodimethylamine	3.50	42	73	0.032	ng	# 1
9) Naphthalene	10.32	128	1887	0.062	ng	# 77
16) Acenaphthylene	13.85	152	1005	0.034	ng	# 15
17) Acenaphthene	14.21	154	138610	6.979	ng	98
18) Fluorene	15.20	166	128503	5.072	ng	99
23) Atrazine	16.24	200	243	0.039	ng	# 26
25) Phenanthrene	16.93	178	170860	4.108	ng	100
26) Anthracene	17.02	178	27847	0.807	ng	# 91
28) Fluoranthene	18.97	202	24493	0.515	ng	# 81
30) Pyrene	19.33	202	13977	0.316	ng	# 75
32) Benzo(a)anthracene	21.09	228	822	0.021	ng	# 1
34) Bis(2-ethylhexyl)phthalate	21.05	149	4221	0.264	ng	# 96

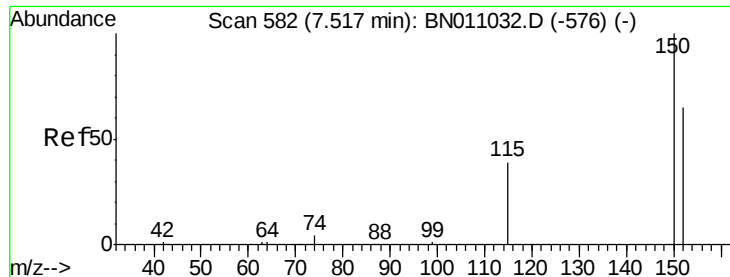
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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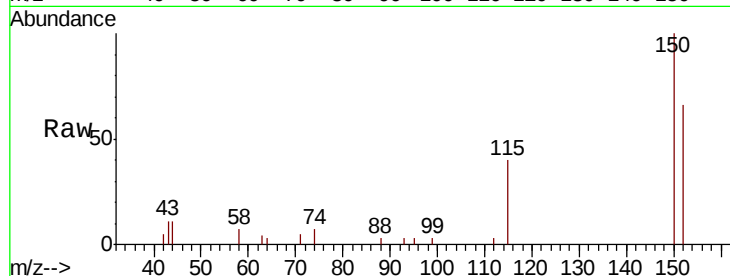


#1

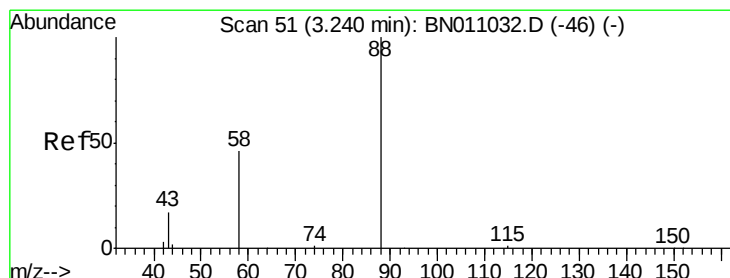
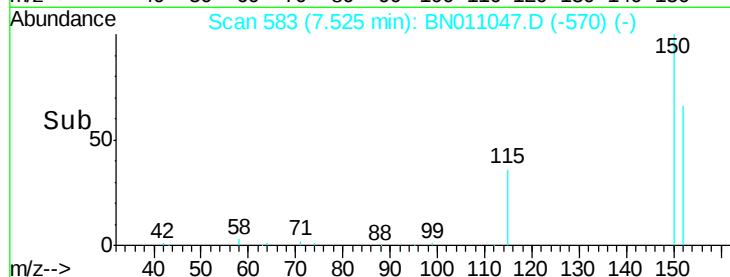
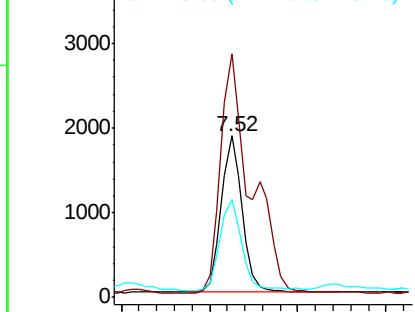
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BN011047.D
Acq: 24 Jun 2020 14:26

Instrument :
BNA_N
ClientSampleId :
SS043MW010-200615

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



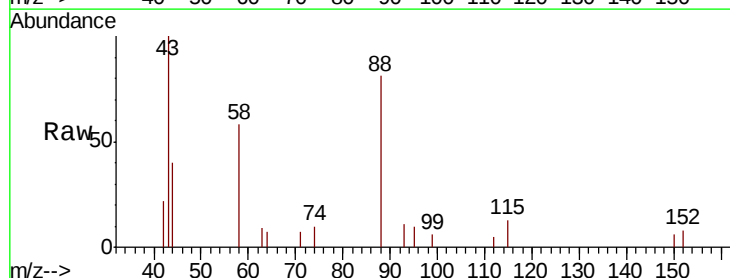
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



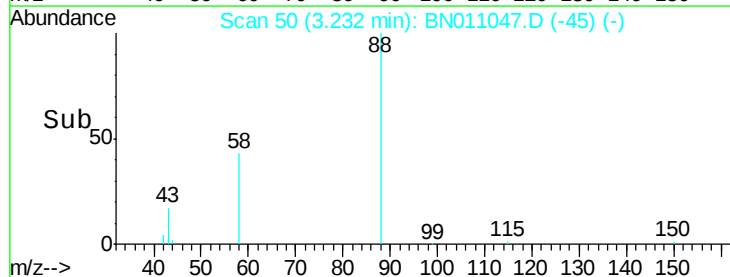
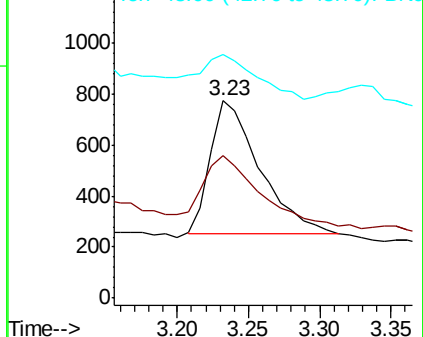
#2

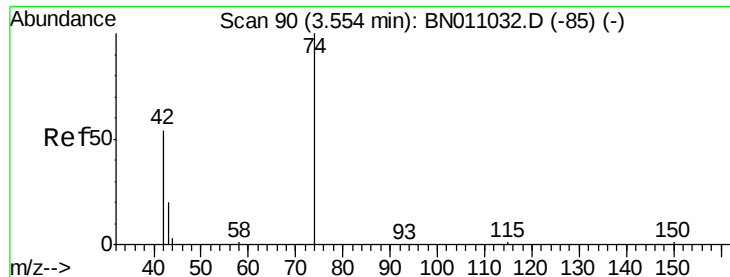
1,4-Dioxane
Concen: 0.307 ng
RT: 3.23 min Scan# 50
Delta R.T. -0.01 min
Lab File: BN011047.D
Acq: 24 Jun 2020 14:26

Tgt Ion: 88 Resp: 1242
Ion Ratio Lower Upper
88 100
58 58.0 38.4 57.6#
43 35.3 14.2 21.4#



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC



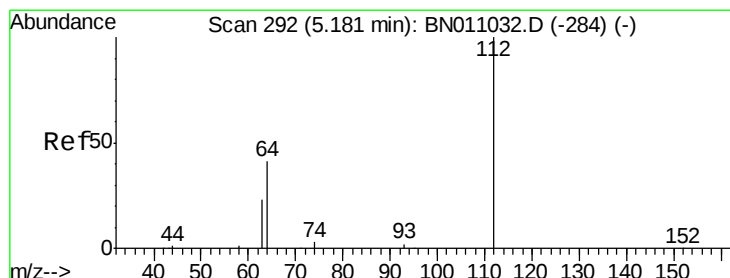
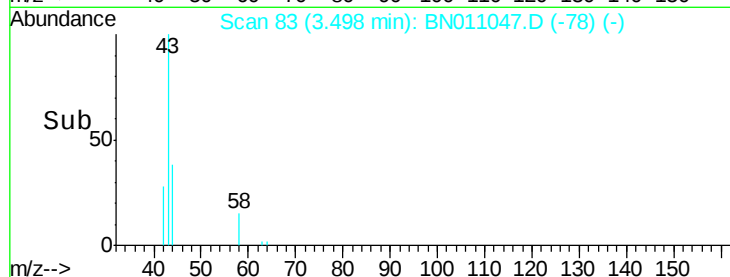
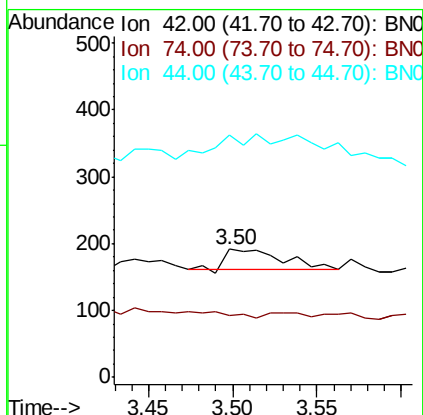
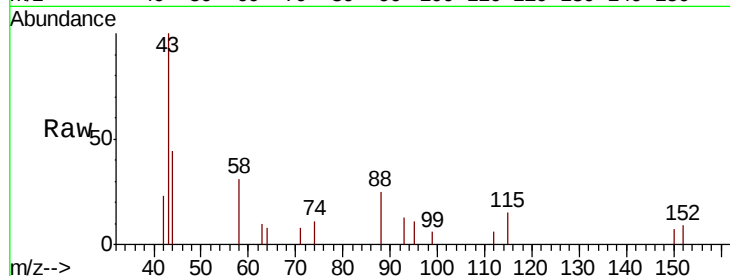


#3

n-Nitrosodimethylamine
 Concen: 0.032 ng
 RT: 3.50 min Scan# 83
 Delta R.T. -0.06 min
 Lab File: BN011047.D
 Acq: 24 Jun 2020 14:26

Instrument :
 BNA_N
 ClientSampleId :
 SS043MW010-200615

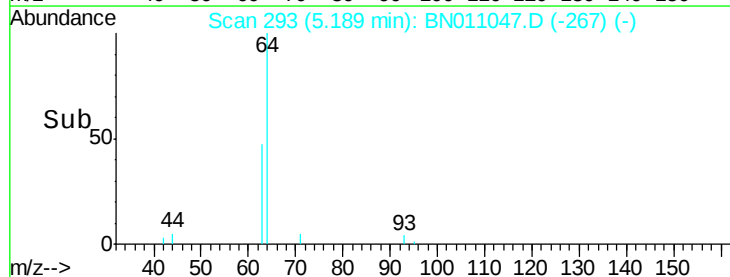
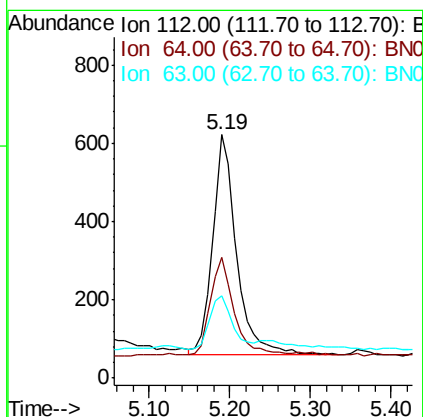
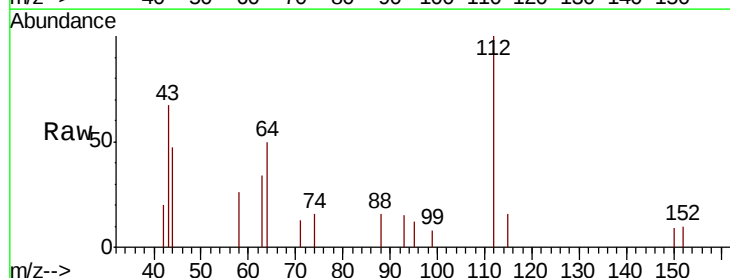
Tot Ion	42	Resp	73
Ion Ratio	100		
Lower	154.8		232.2#
Upper	4.8		7.2#

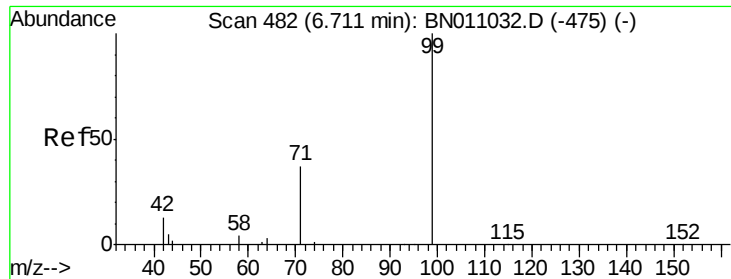


#4

2-Fluorophenol
 Concen: 0.135 ng
 RT: 5.19 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: BN011047.D
 Acq: 24 Jun 2020 14:26

Tgt Ion	112	Resp	1143
Ion Ratio	100		
Lower	37.3		55.9
Upper	20.4		30.6





#5

Phenol-d6

Concen: 0.081 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.02 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

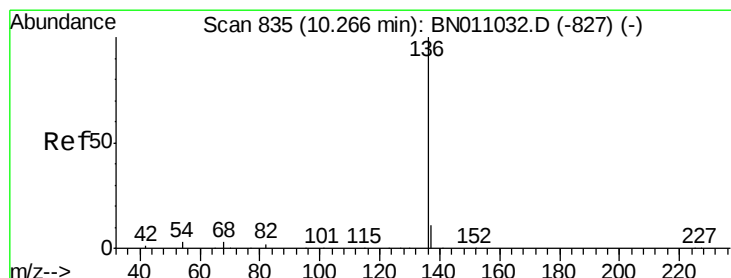
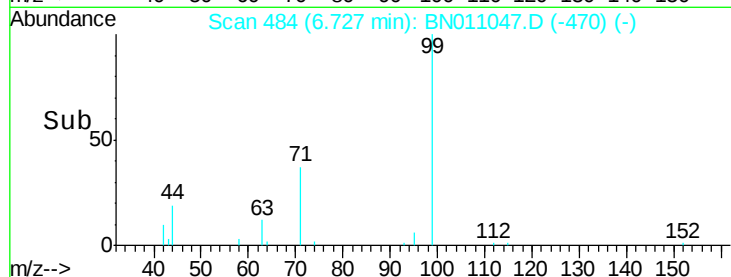
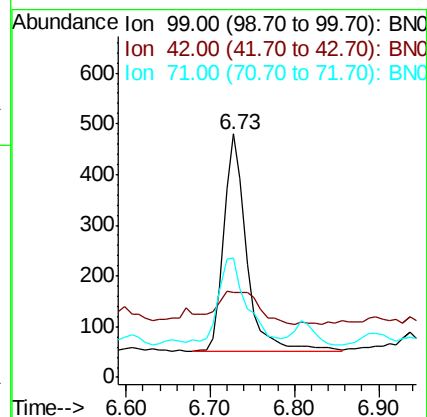
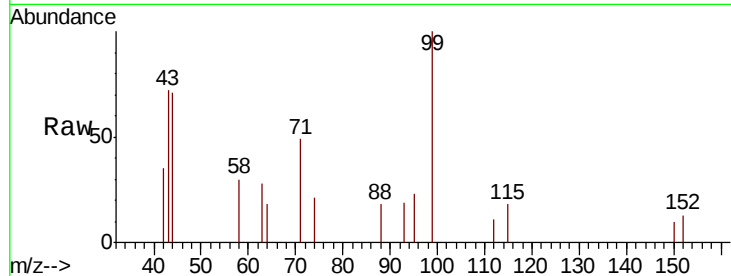
Tot Ion: 99 Resp: 815

Ion Ratio Lower Upper

99 100

42 26.4 10.6 16.0#

71 50.3 28.7 43.1#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.27 min Scan# 835

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Tgt Ion: 136 Resp: 9966

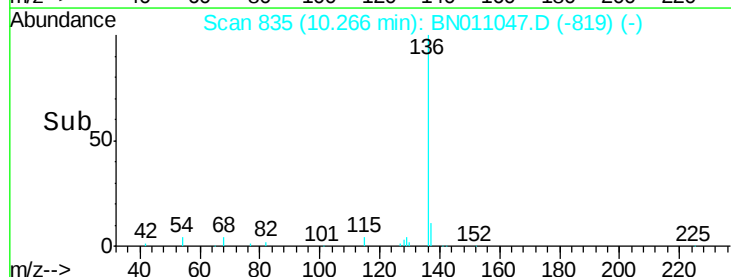
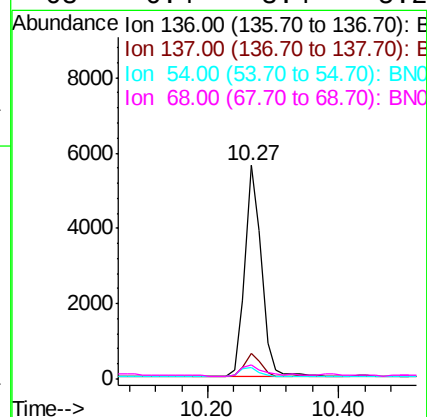
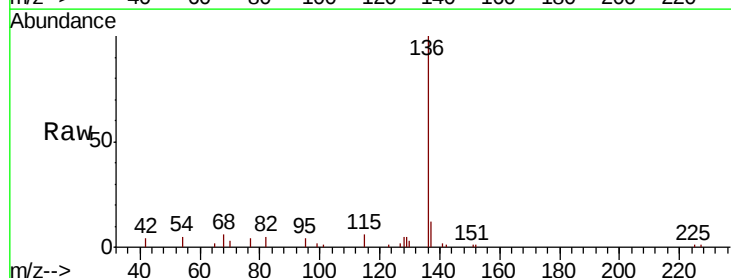
Ion Ratio Lower Upper

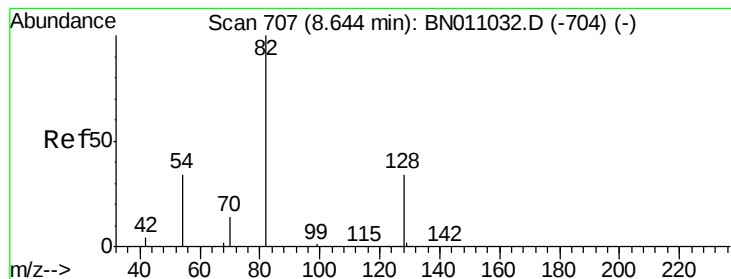
136 100

137 12.1 9.6 14.4

54 5.3 3.0 4.4#

68 6.4 3.4 5.2#





#8

Nitrobenzene-d5

Concen: 0.336 ng

RT: 8.66 min Scan# 708

Delta R.T. 0.01 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

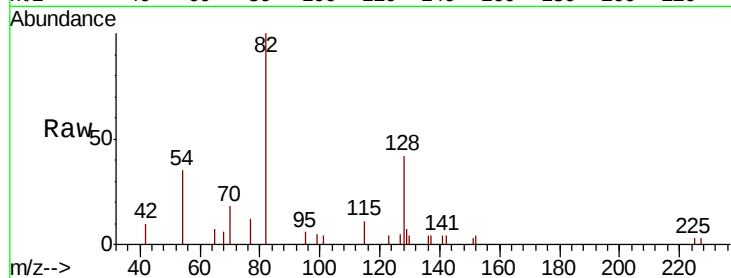
Tot Ion: 82 Resp: 3051

Ion Ratio Lower Upper

82 100

128 41.7 29.4 44.2

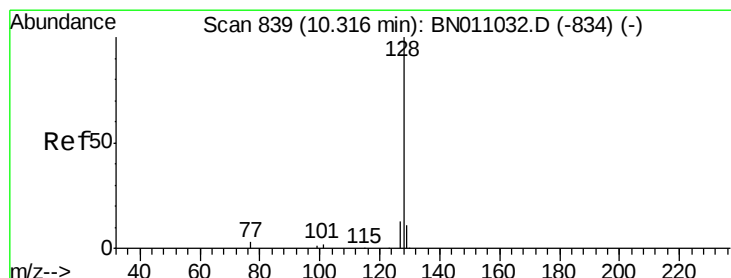
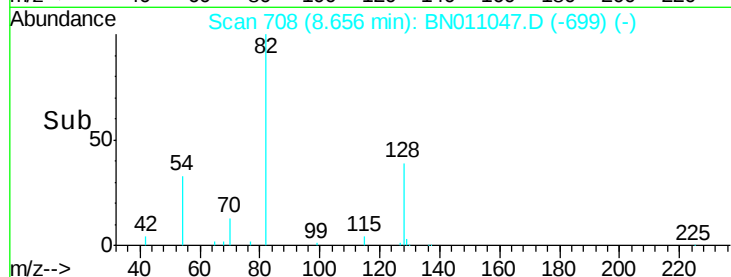
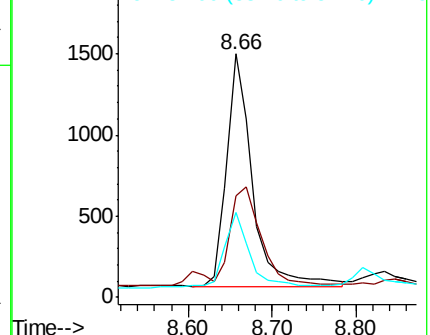
54 35.1 28.8 43.2



Abundance Ion 82.00 (81.70 to 82.70): BN011032.D (-704) (-)

Ion 128.00 (127.70 to 128.70): BN011032.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN011032.D (-704) (-)



#9

Naphthalene

Concen: 0.062 ng

RT: 10.32 min Scan# 839

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

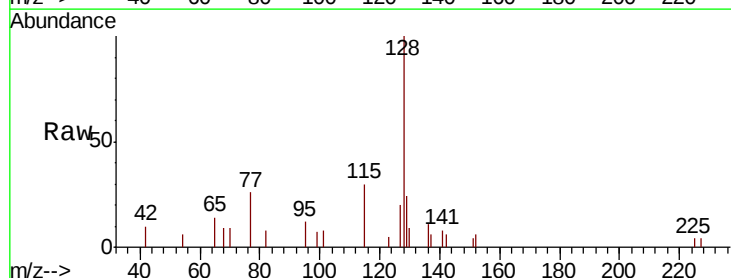
Tgt Ion: 128 Resp: 1887

Ion Ratio Lower Upper

128 100

129 23.9 9.8 14.6#

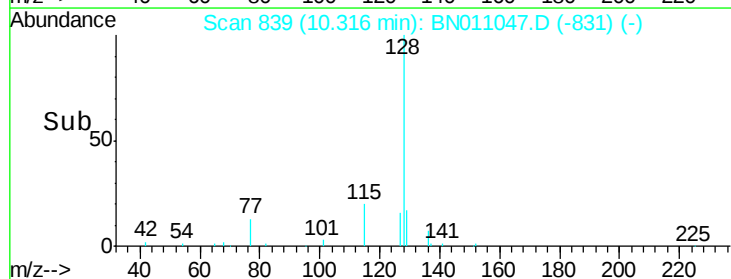
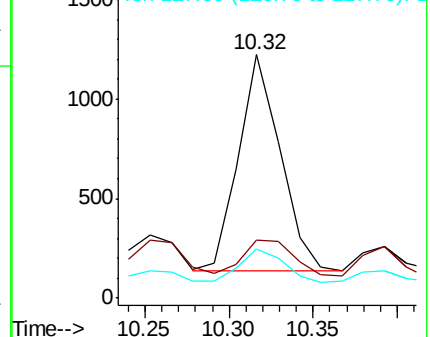
127 20.1 10.9 16.3#

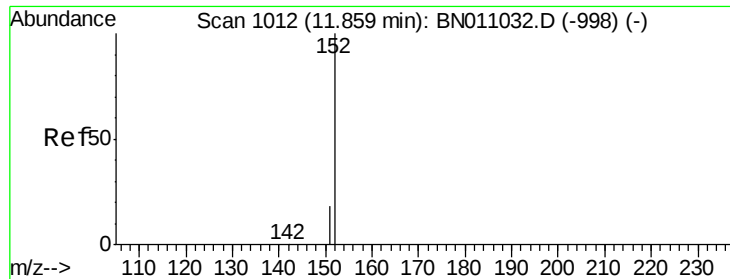


Abundance Ion 128.00 (127.70 to 128.70): BN011032.D (-834) (-)

Ion 129.00 (128.70 to 129.70): BN011032.D (-834) (-)

Ion 127.00 (126.70 to 127.70): BN011032.D (-834) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.291 ng

RT: 11.86 min Scan# 1013

Delta R.T. 0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

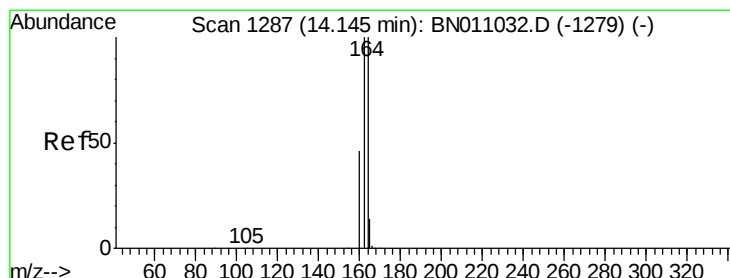
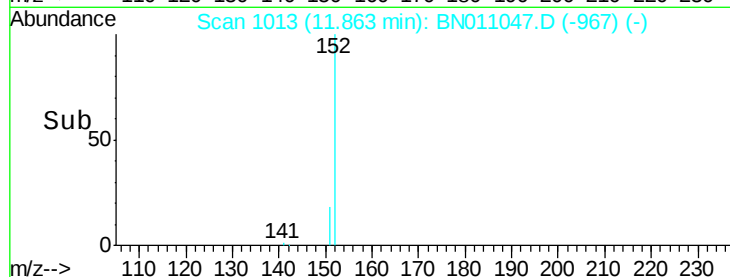
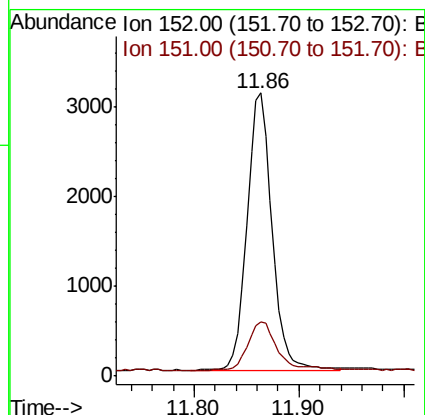
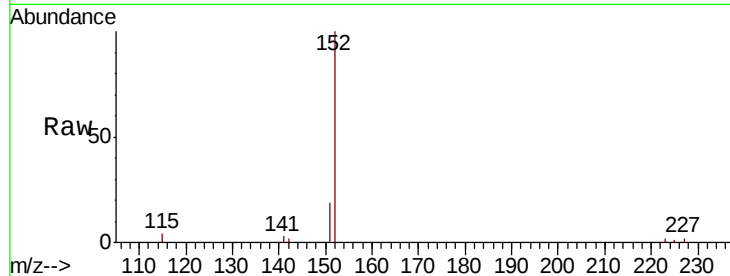
SS043MW010-200615

Tot Ion:152 Resp: 5125

Ion Ratio Lower Upper

152 100

151 21.5 16.2 24.4



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

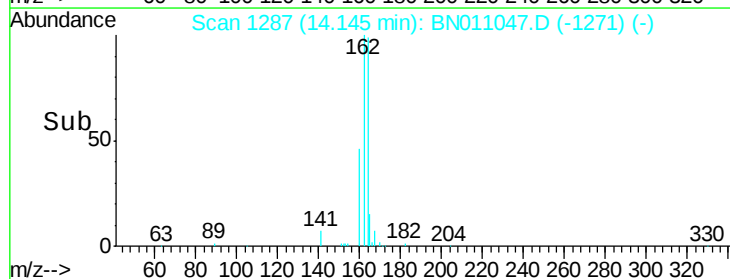
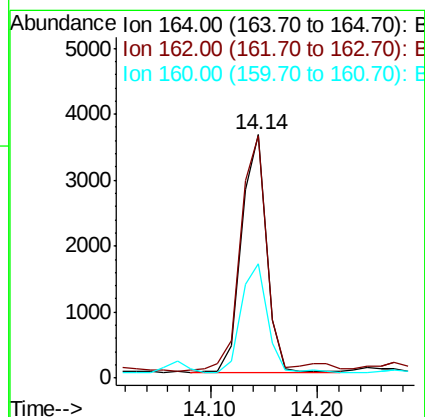
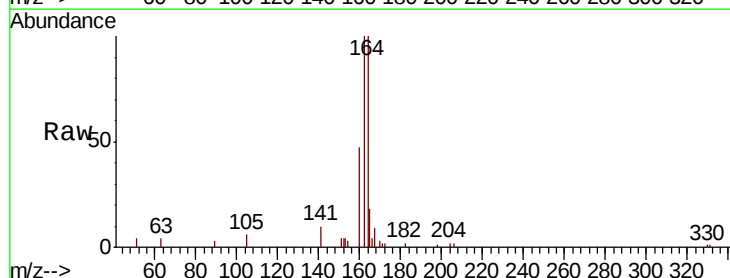
Tgt Ion:164 Resp: 5868

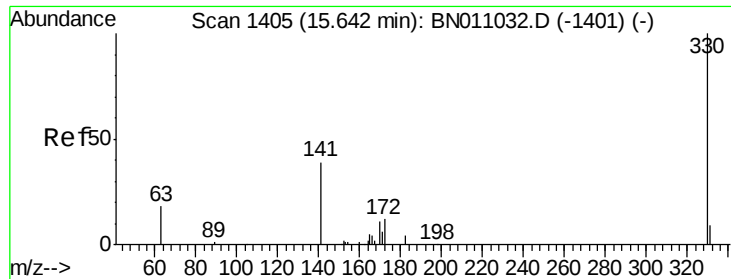
Ion Ratio Lower Upper

164 100

162 99.7 80.2 120.4

160 46.7 37.7 56.5

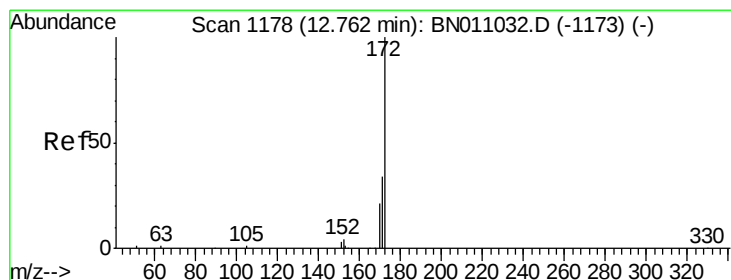
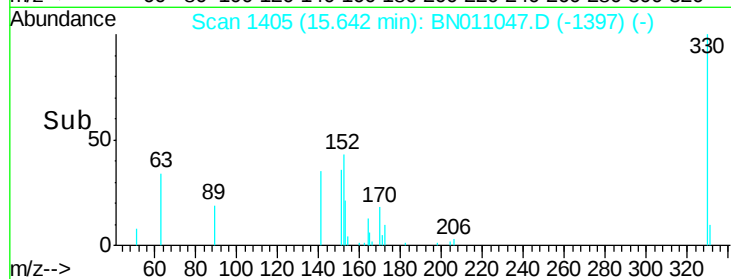
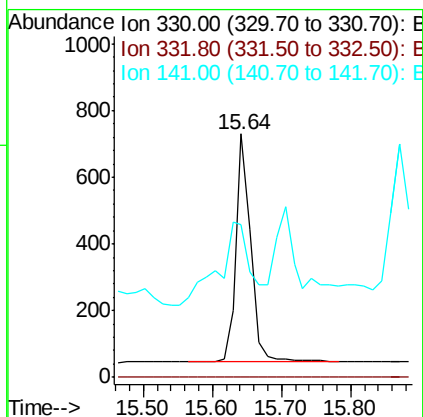
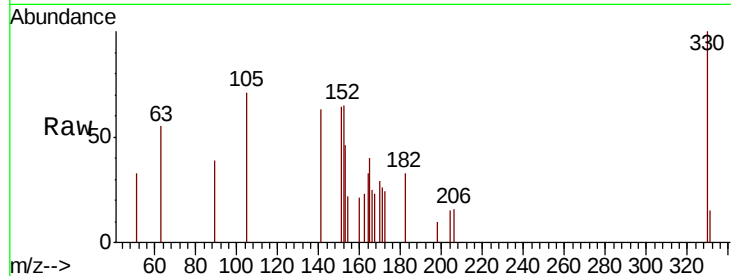




#14
2,4,6-Tribromophenol
Concen: 0.400 ng
RT: 15.64 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BN011047.D
Acq: 24 Jun 2020 14:26

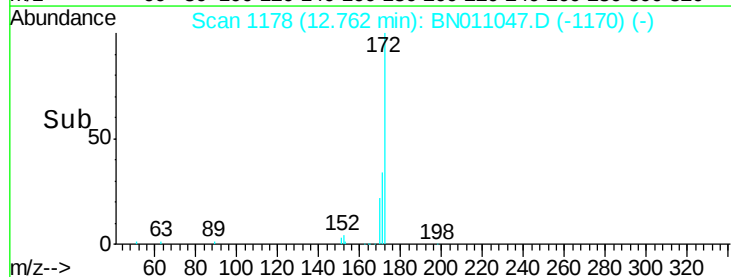
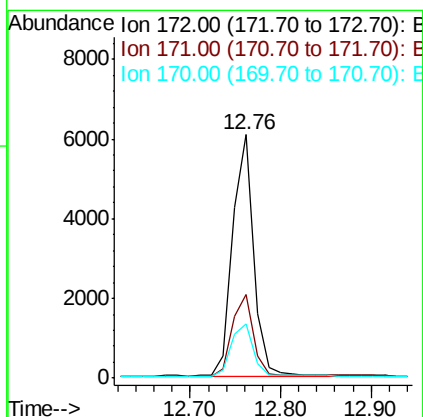
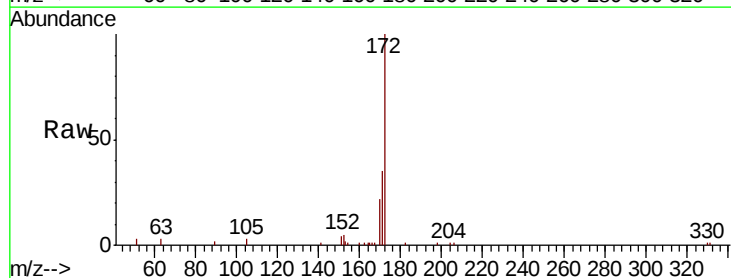
Instrument :
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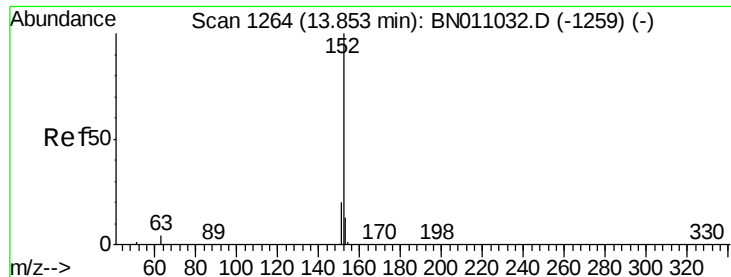
Tot Ion:330 Resp: 1031
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 58.4 34.5 51.7#



#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 12.76 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BN011047.D
Acq: 24 Jun 2020 14:26

Tgt Ion:172 Resp: 9730
Ion Ratio Lower Upper
172 100
171 34.5 27.4 41.2
170 22.3 17.5 26.3





#16

Acenaphthylene

Concen: 0.034 ng

RT: 13.85 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

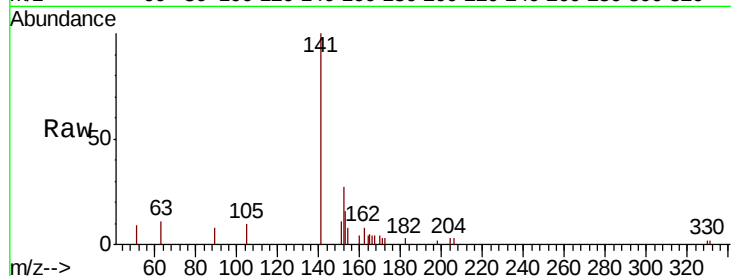
Tot Ion:152 Resp: 1005

Ion Ratio Lower Upper

152 100

151 47.4 15.6 23.4#

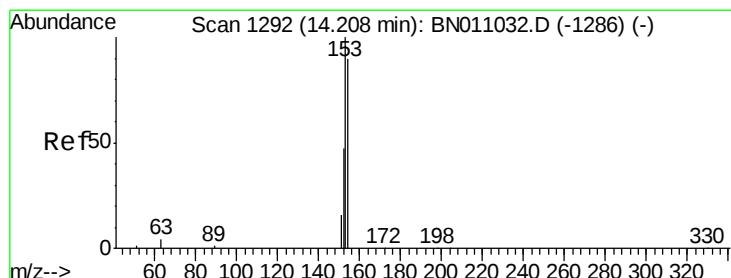
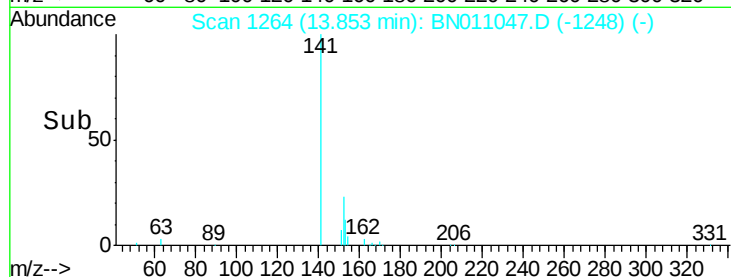
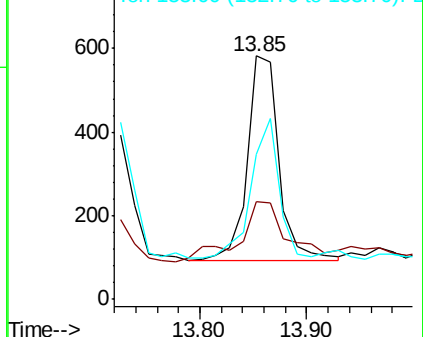
153 60.2 10.2 15.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 6.979 ng

RT: 14.21 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

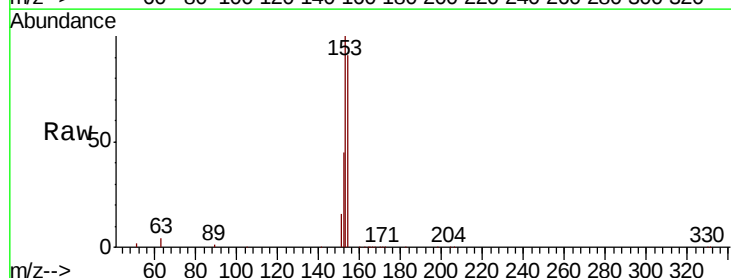
Tgt Ion:154 Resp: 138610

Ion Ratio Lower Upper

154 100

153 113.6 92.3 138.5

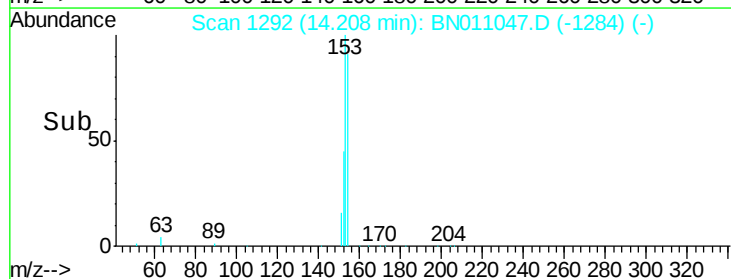
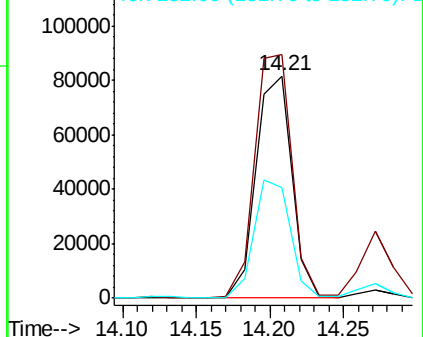
152 53.9 45.5 68.3

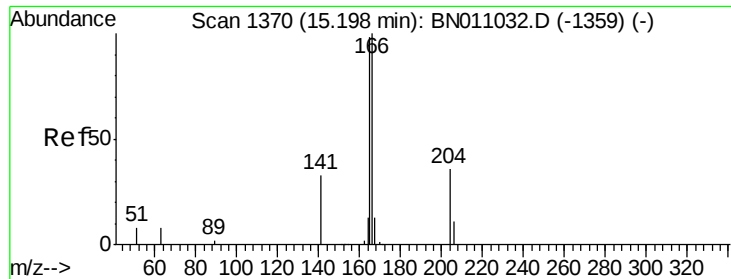


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 5.072 ng

RT: 15.20 min Scan# 1370

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

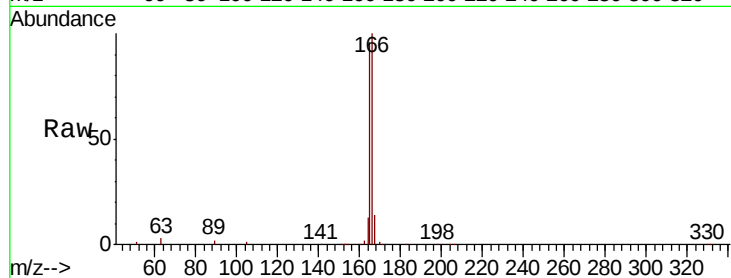
Tot Ion:166 Resp: 128503

Ion Ratio Lower Upper

166 100

165 96.4 77.8 116.8

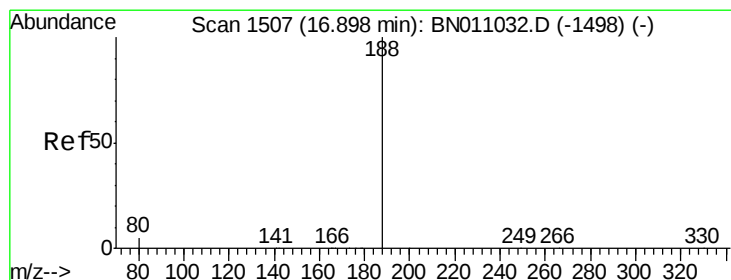
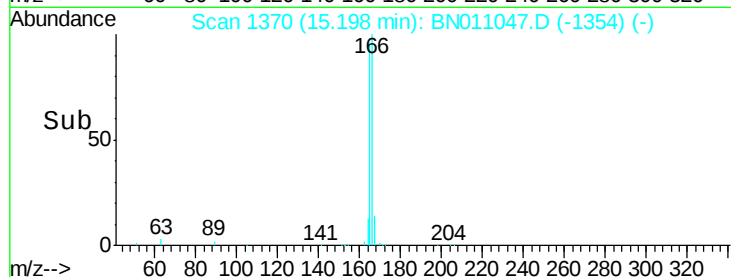
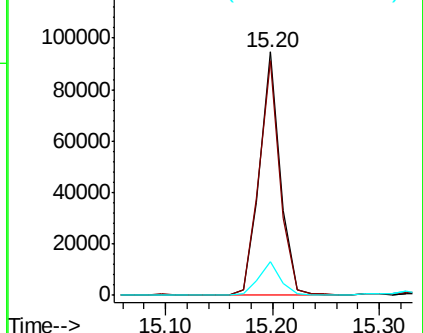
167 14.5 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.90 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

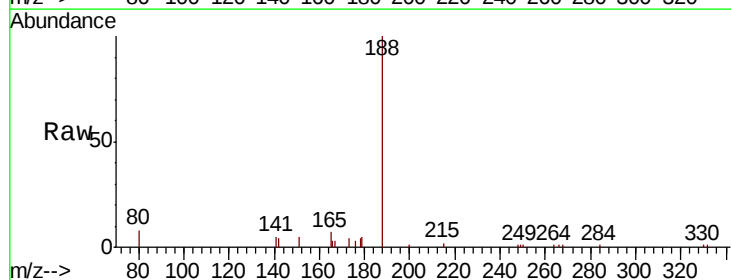
Tgt Ion:188 Resp: 12341

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

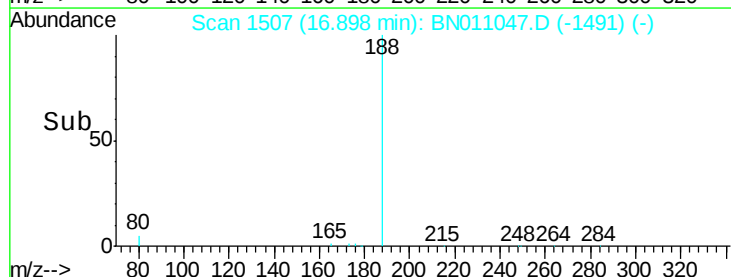
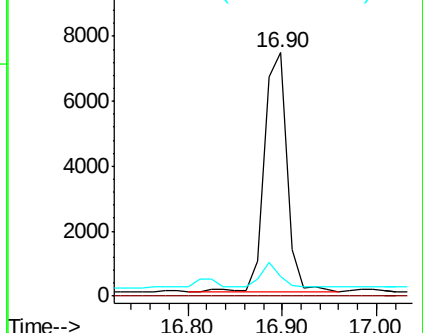
80 8.2 4.6 7.0#

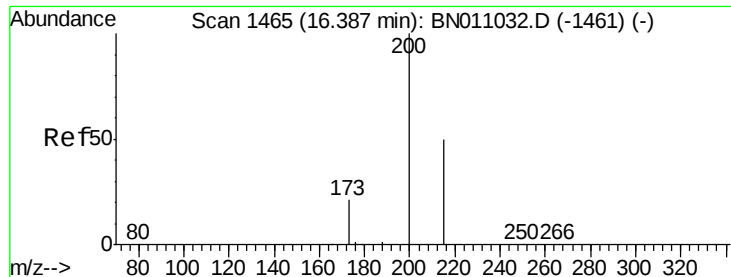


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Atrazine

Concen: 0.039 ng

RT: 16.24 min Scan# 1453

Delta R.T. -0.15 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

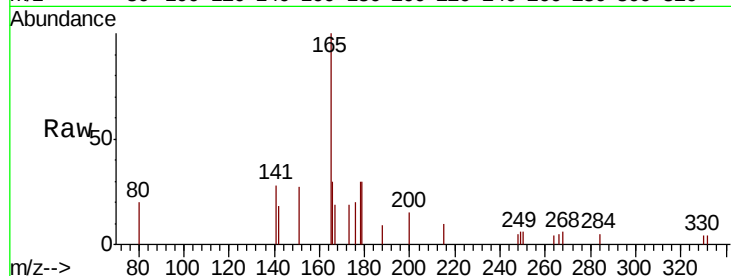
Tot Ion:200 Resp: 243

Ion Ratio Lower Upper

200 100

173 124.5 19.4 29.2#

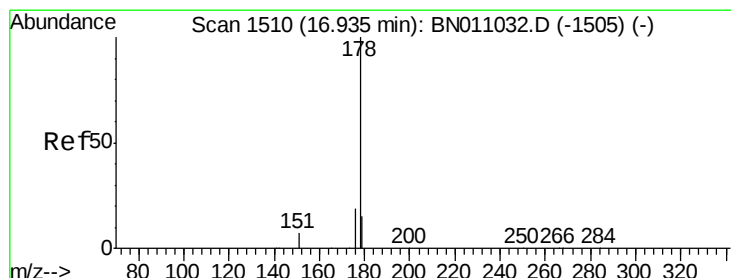
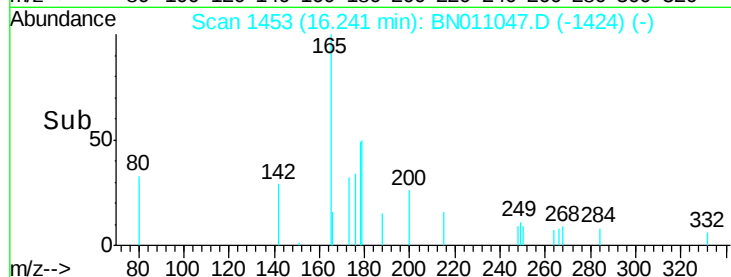
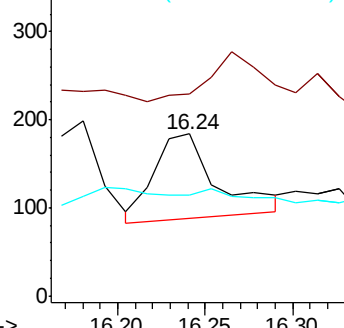
215 62.0 41.5 62.3



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: 4.108 ng

RT: 16.93 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

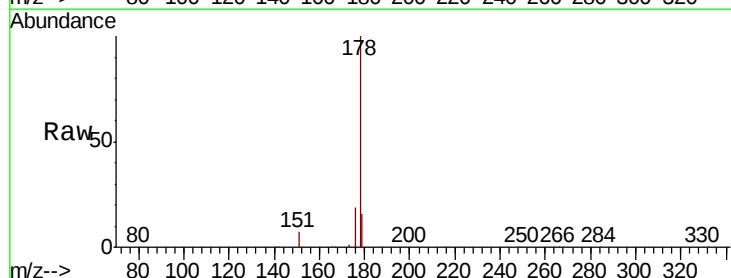
Tgt Ion:178 Resp: 170860

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.6

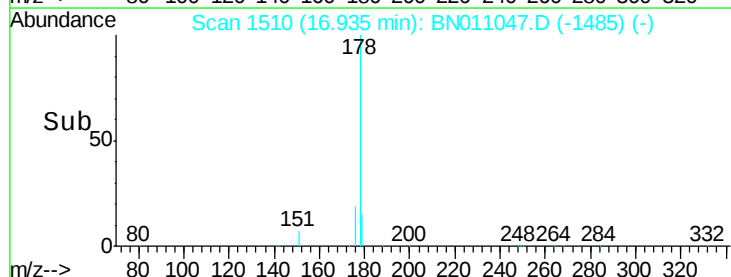
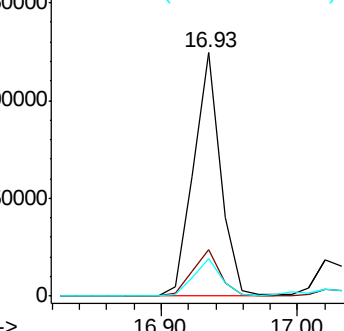
179 15.4 12.3 18.5

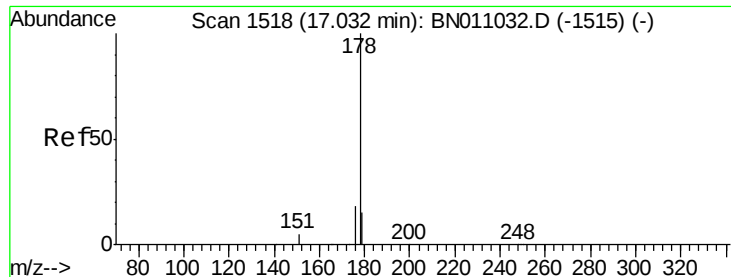


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#26

Anthracene

Concen: 0.807 ng

RT: 17.02 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

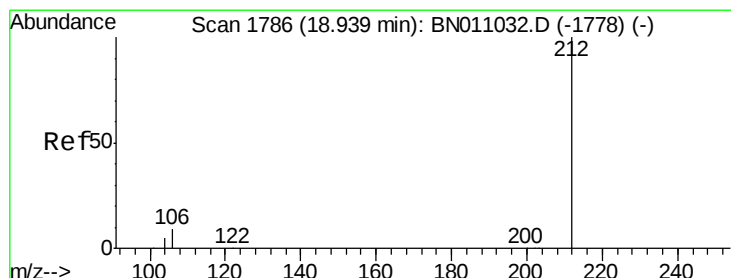
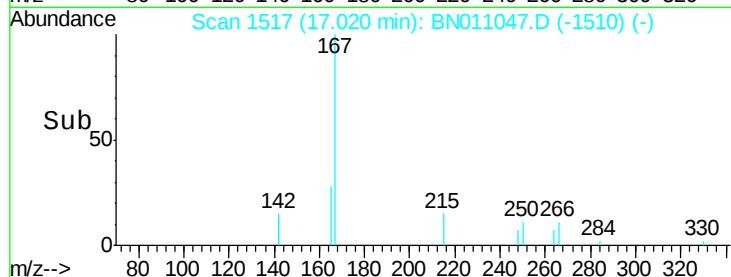
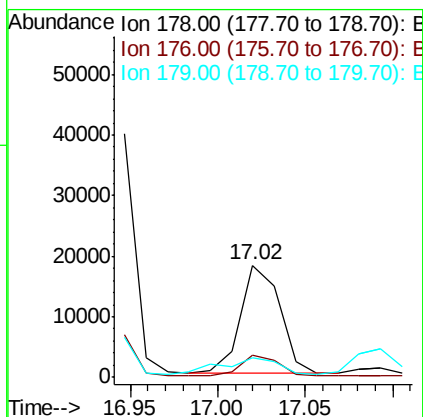
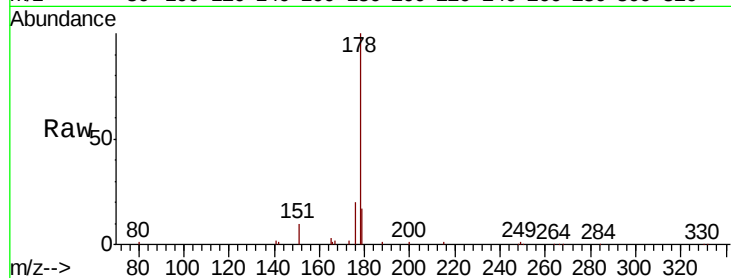
Tot Ion:178 Resp: 27847

Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

179 23.4 12.2 18.4#



#27

Fluoranthene-d10

Concen: 0.327 ng

RT: 18.94 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

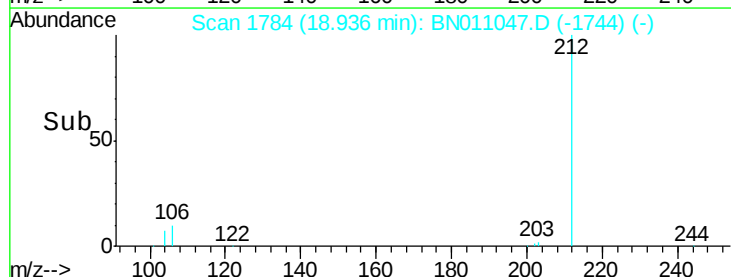
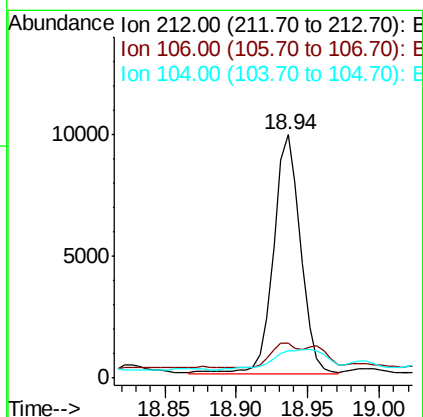
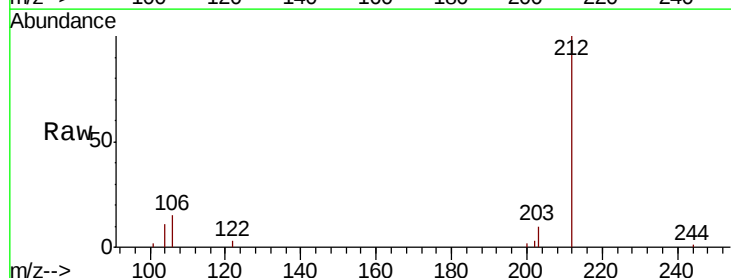
Tgt Ion:212 Resp: 12781

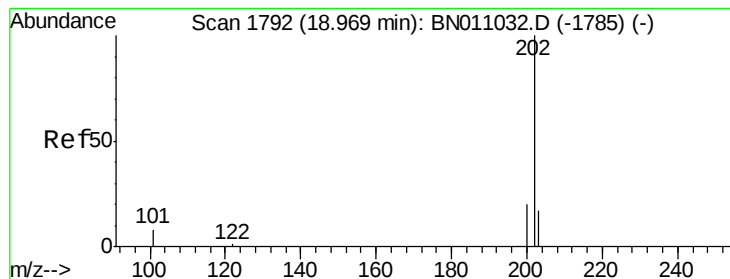
Ion Ratio Lower Upper

212 100

106 11.5 7.7 11.5

104 17.0 4.6 6.8#





#28

Fluoranthene

Concen: 0.515 ng

RT: 18.97 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

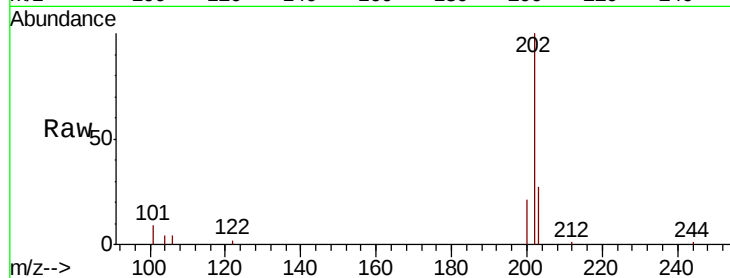
Tot Ion:202 Resp: 24493

Ion Ratio Lower Upper

202 100

101 8.8 6.6 10.0

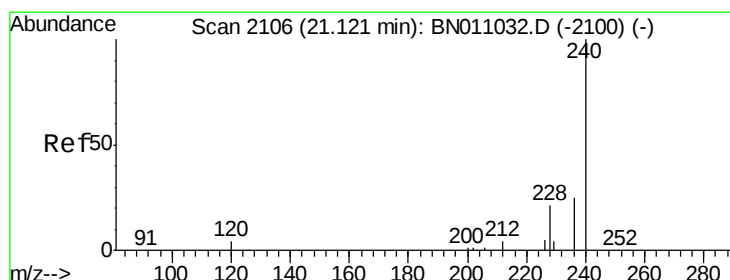
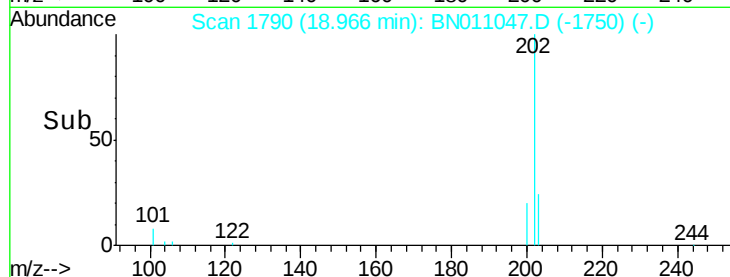
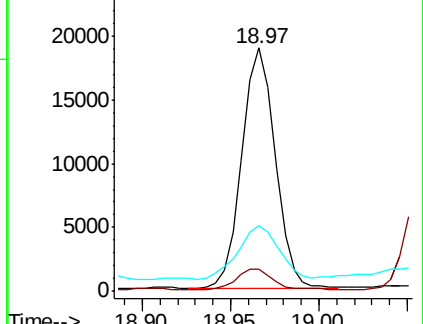
203 29.0 13.8 20.6#



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: BN011047.D

Acq: 24 Jun 2020 14:26

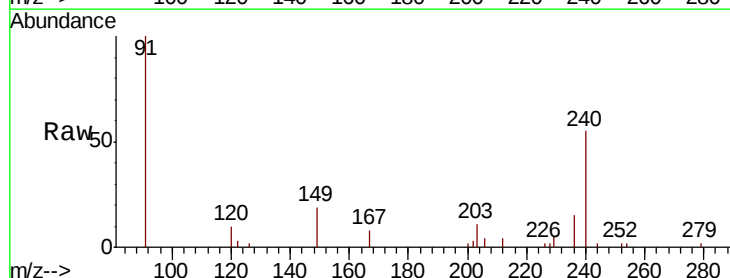
Tgt Ion:240 Resp: 11478

Ion Ratio Lower Upper

240 100

120 18.0 5.4 8.0#

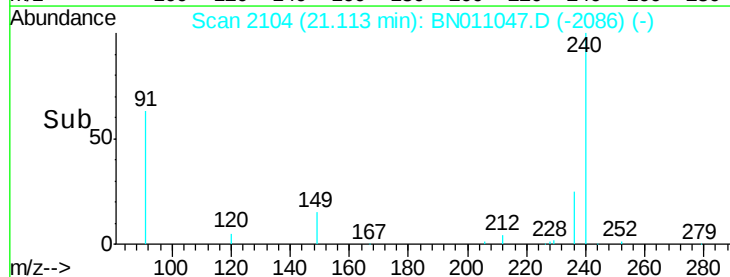
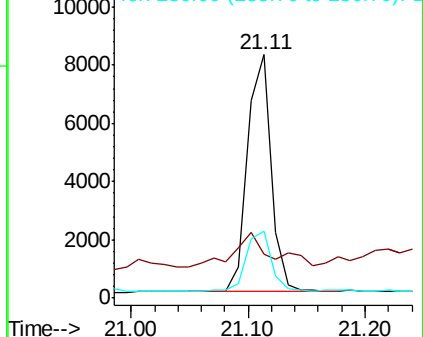
236 27.5 21.4 32.2

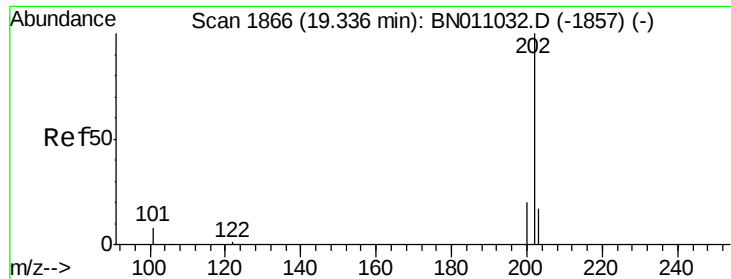


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

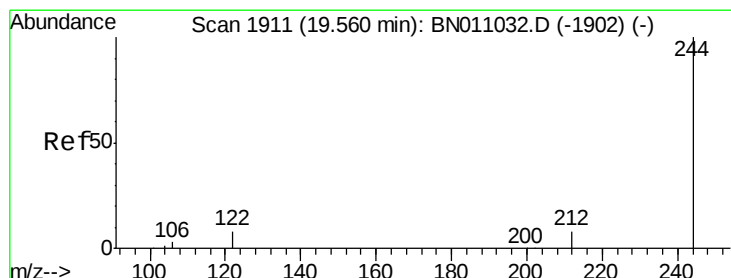
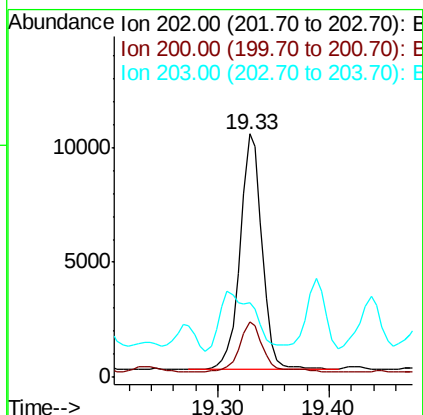
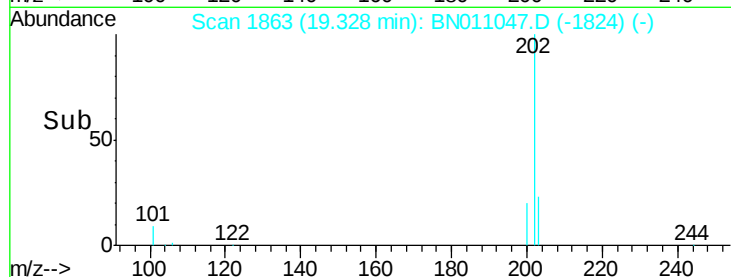
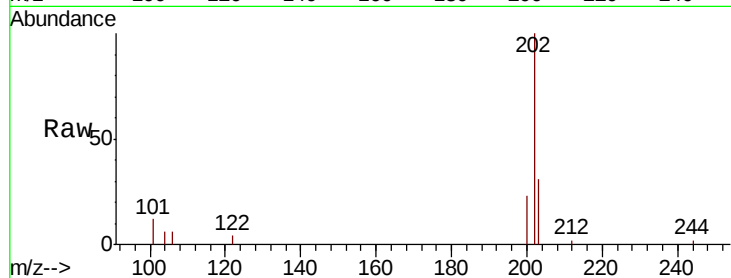




#30
Pvrene
Concen: 0.316 ng
RT: 19.33 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BN011047.D
Acq: 24 Jun 2020 14:26

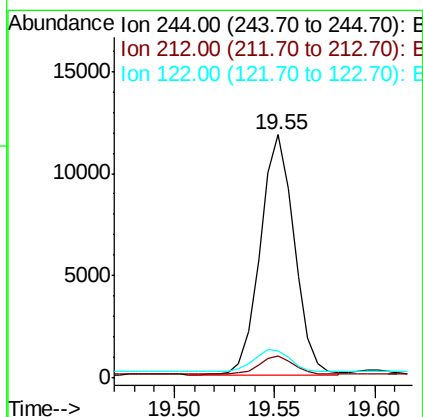
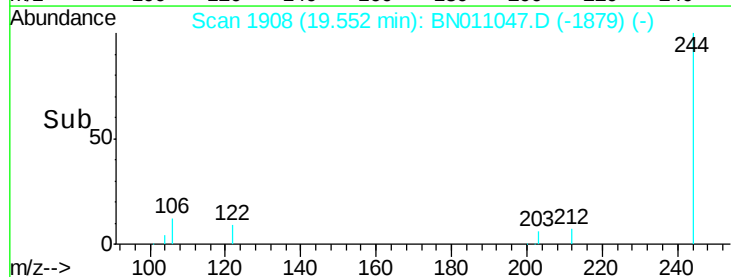
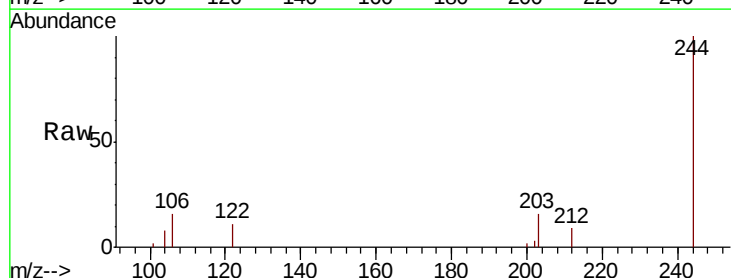
Instrument :
BNA_N
ClientSampleId :
SS043MW010-200615

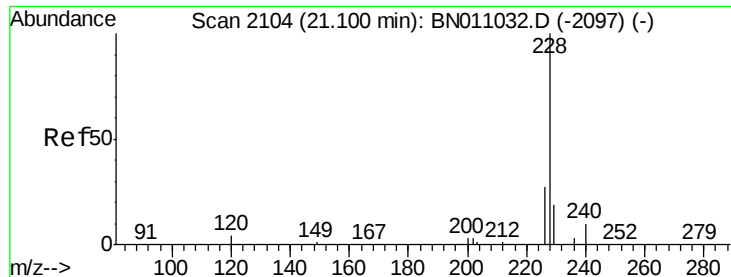
Tot Ion:202 Resp: 13977
Ion Ratio Lower Upper
202 100
200 22.1 16.6 24.8
203 39.8 14.2 21.2#



#31
Terphenyl-d14
Concen: 0.448 ng
RT: 19.55 min Scan# 1908
Delta R.T. -0.01 min
Lab File: BN011047.D
Acq: 24 Jun 2020 14:26

Tgt Ion:244 Resp: 13817
Ion Ratio Lower Upper
244 100
212 9.0 6.9 10.3
122 11.2 7.4 11.0#





#32

Benzo(a)anthracene

Concen: 0.021 ng

RT: 21.09 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

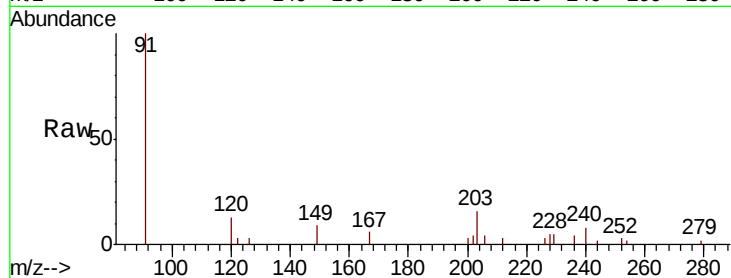
Tot Ion:228 Resp: 822

Ion Ratio Lower Upper

228 100

226 55.2 22.0 33.0#

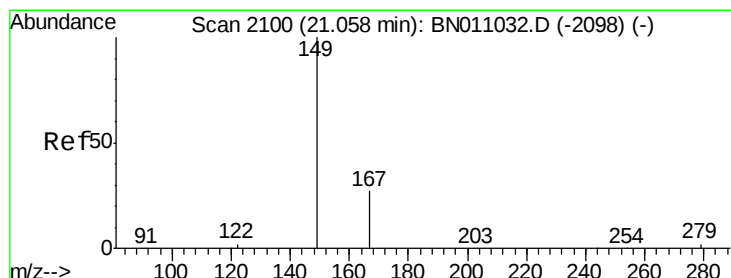
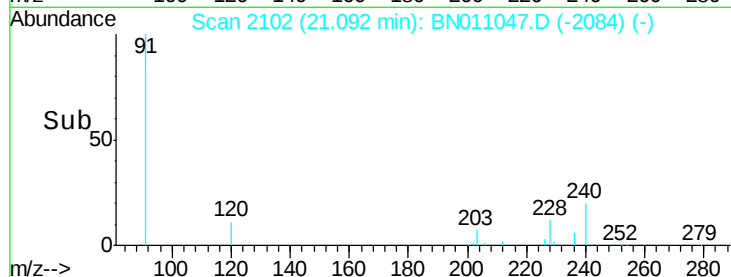
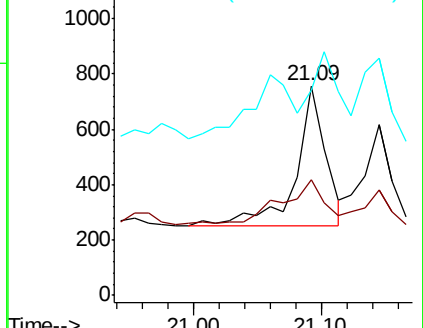
229 97.8 15.9 23.9#



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: 0.264 ng

RT: 21.05 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BN011047.D

Acq: 24 Jun 2020 14:26

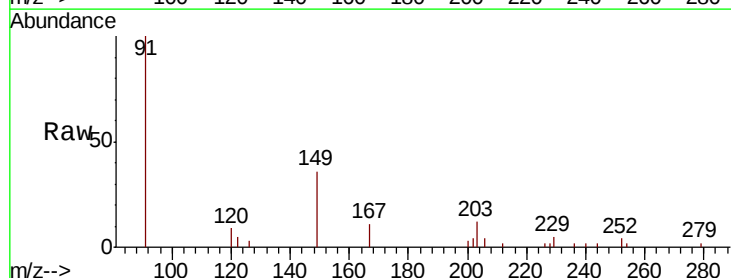
Tgt Ion:149 Resp: 4221

Ion Ratio Lower Upper

149 100

167 25.7 22.2 33.2

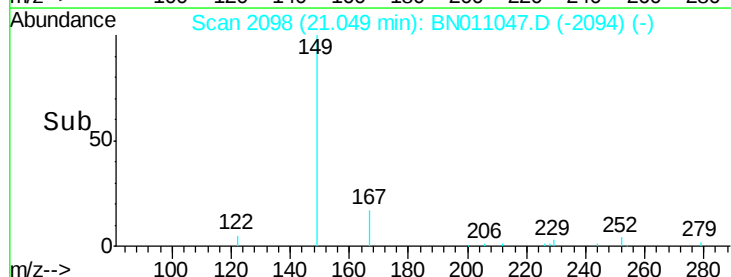
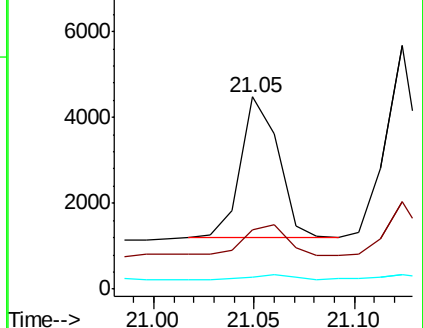
279 3.7 3.9 5.9#

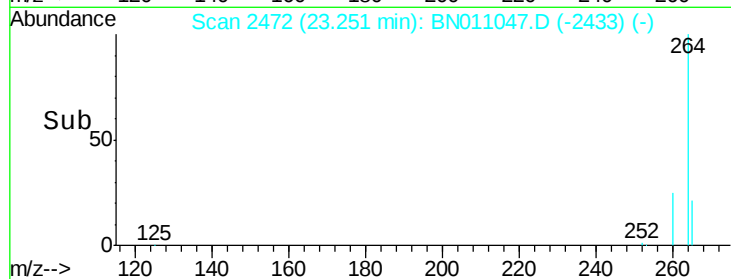
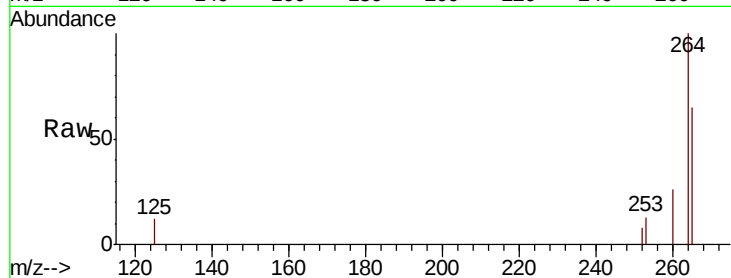
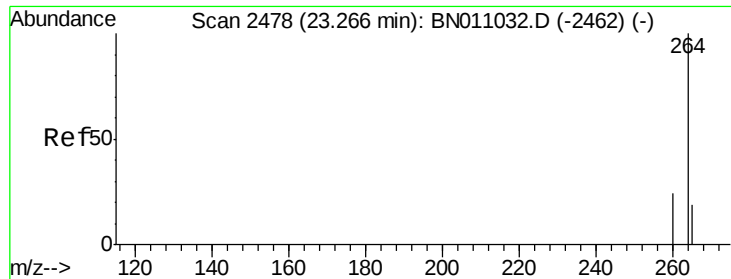


Abundance Ion 149.00 (148.70 to 149.70): E

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: BN011047.D

Acq: 24 Jun 2020 14:26

Instrument :

BNA_N

ClientSampleId :

SS043MW010-200615

Tot Ion:264 Resp: 12040

Ion Ratio Lower Upper

264 100

260 26.1 20.0 30.0

265 65.2 64.9 97.3

