

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN073120\
 Data File : BN011326.D
 Acq On : 31 Jul 2020 14:05
 Operator : CG/JU
 Sample : L3467-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-1

Quant Time: Jul 31 14:34:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN072820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 12:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	1611	0.40	ng	0.00
7) Naphthalene-d8	10.21	136	5854	0.40	ng	0.00
13) Acenaphthene-d10	14.09	164	3745	0.40	ng	0.00
19) Phenanthrene-d10	16.85	188	9181	0.40	ng	0.00
29) Chrysene-d12	21.07	240	10313	0.40	ng	0.00
36) Perylene-d12	23.19	264	11002	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.13	112	697	0.16	ng	0.00
5) Phenol-d6	6.68	99	473	0.09	ng	0.00
8) Nitrobenzene-d5	8.60	82	2163	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	11.81	152	3232	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.60	330	645	0.37	ng	0.00
15) 2-Fluorobiphenyl	12.71	172	7108	0.44	ng	0.00
27) Fluoranthene-d10	18.89	212	10652	0.38	ng	0.00
31) Terphenyl-d14	19.51	244	13687	0.44	ng	0.00

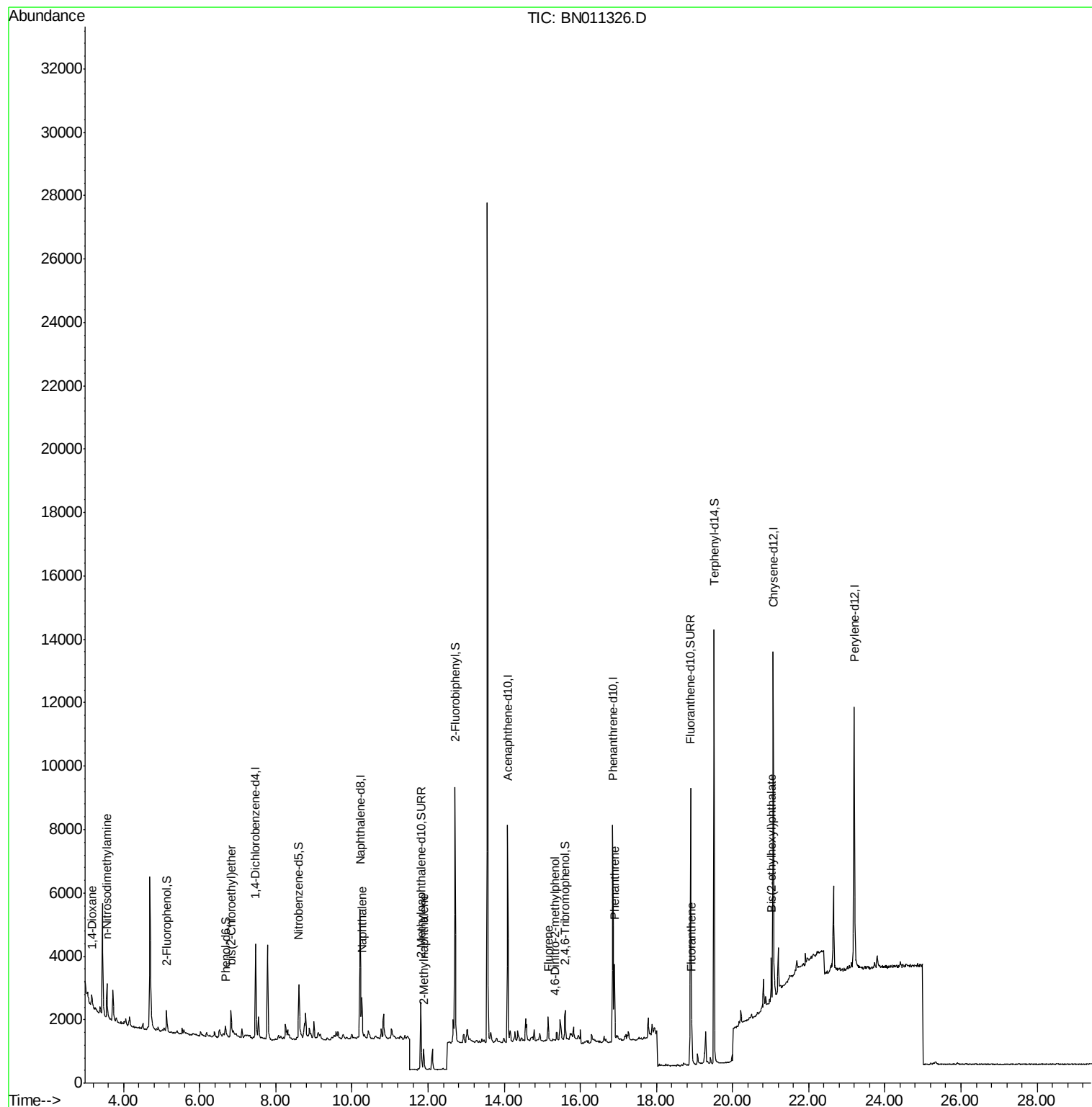
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.17	88	201	0.089	ng	# 1
3) n-Nitrosodimethylamine	3.56	42	104	0.089	ng	# 1
6) bis(2-Chloroethyl)ether	6.82	93	1869	0.436	ng	# 32
9) Naphthalene	10.26	128	1695	0.098	ng	# 91
12) 2-Methylnaphthalene	11.88	142	499	0.041	ng	# 94
18) Fluorene	15.16	166	504	0.031	ng	# 95
20) 4,6-Dinitro-2-methylphenol	15.32	198	2	0.195	ng	# 1
25) Phenanthrene	16.90	178	2898	0.097	ng	98
28) Fluoranthene	18.92	202	1238	0.036	ng	98
34) Bis(2-ethylhexyl)phthalate	21.01	149	1177	0.063	ng	98

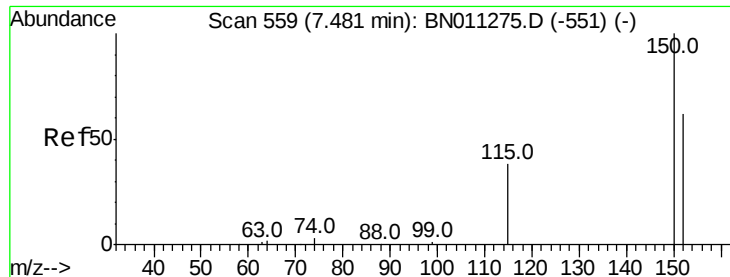
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.47 min Scan# 557

Delta R.T. 0.00 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

Instrument :

BNA_N

ClientSampleId :

S-1

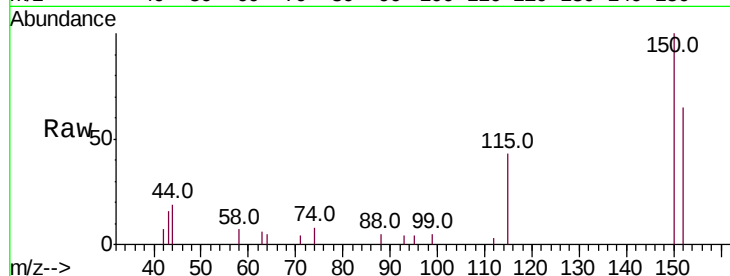
Tot Ion:152 Resp: 1611

Ion Ratio Lower Upper

152 100

150 152.9 126.5 189.7

115 65.3 51.9 77.9

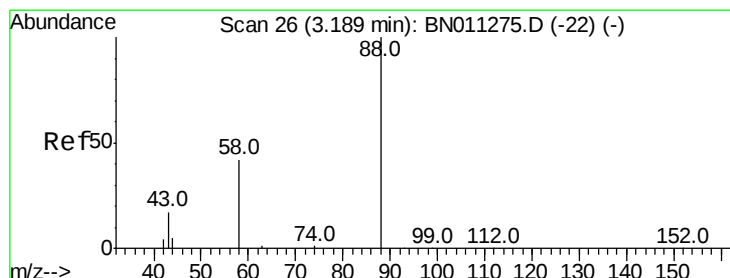
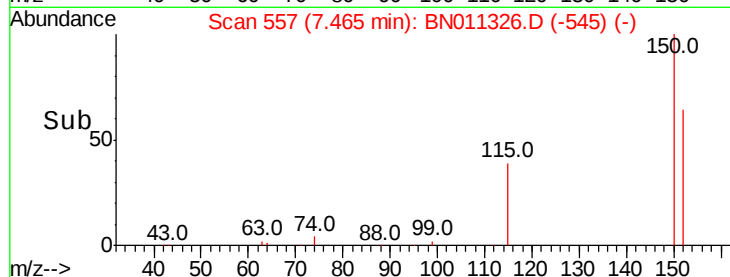
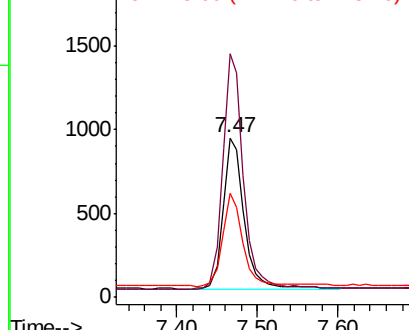


Abundance

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: 0.089 ng

RT: 3.17 min Scan# 24

Delta R.T. 0.00 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

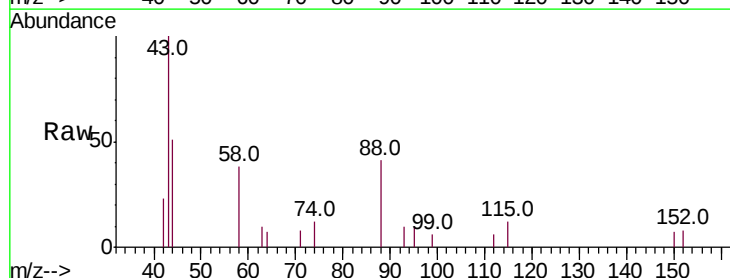
Tgt Ion: 88 Resp: 201

Ion Ratio Lower Upper

88 100

58 63.2 36.5 54.7#

43 234.8 16.1 24.1#

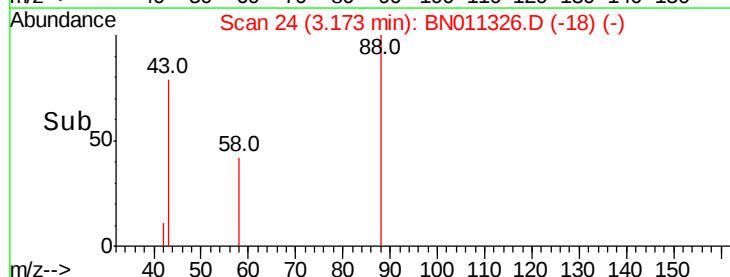
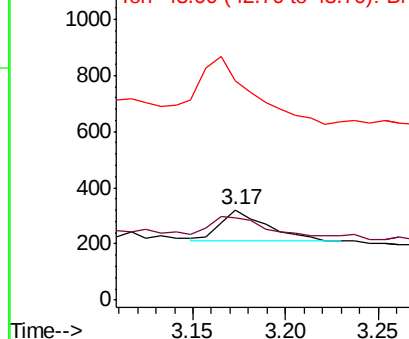


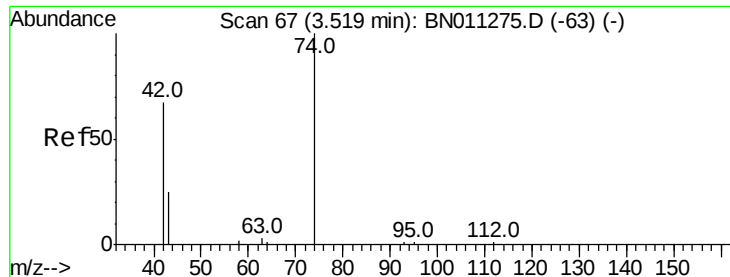
Abundance

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: 0.089 ng

RT: 3.56 min Scan# 72

Delta R.T. 0.05 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

Instrument :

BNA_N

ClientSampleId :

S-1

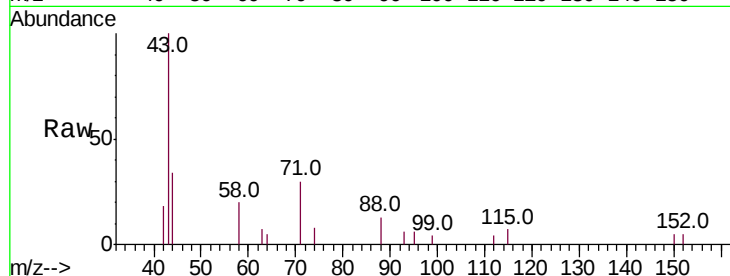
Tot Ion: 42 Resp: 104

Ion Ratio Lower Upper

42 100

74 16.3 144.2 216.2#

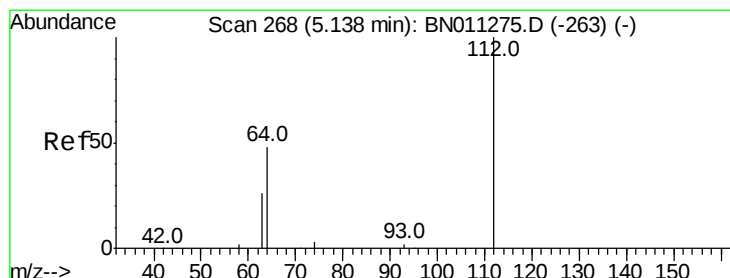
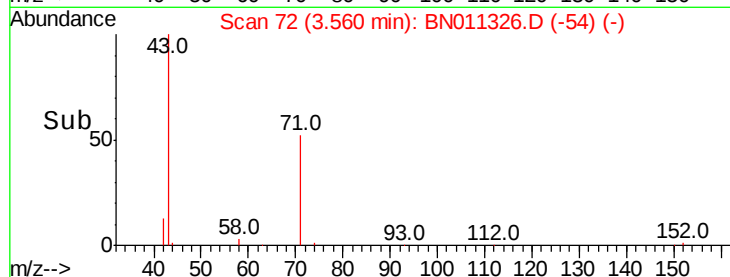
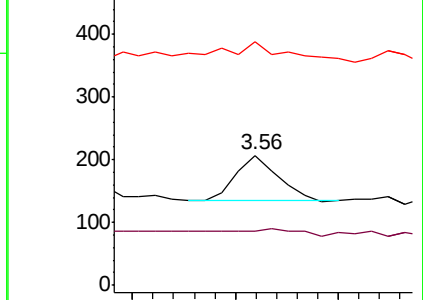
44 64.4 11.1 16.7#



Abundance Ion 42.00 (41.70 to 42.70): BN011326.D (-54) (-)

Ion 74.00 (73.70 to 74.70): BN011326.D (-54) (-)

Ion 44.00 (43.70 to 44.70): BN011326.D (-54) (-)



#4

2-Fluorophenol

Concen: 0.165 ng

RT: 5.13 min Scan# 267

Delta R.T. 0.00 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

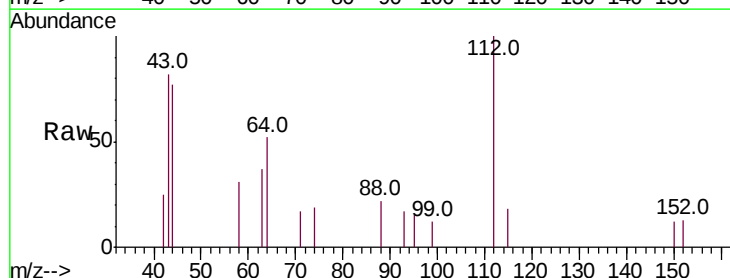
Tgt Ion: 112 Resp: 697

Ion Ratio Lower Upper

112 100

64 44.8 35.8 53.6

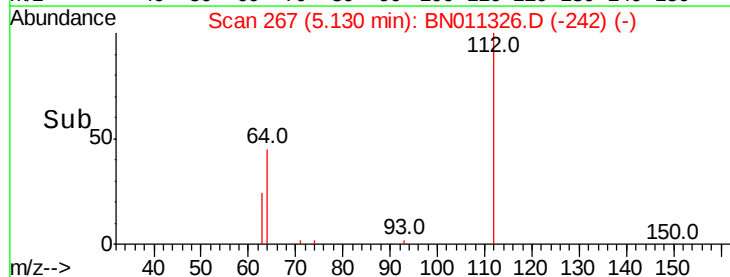
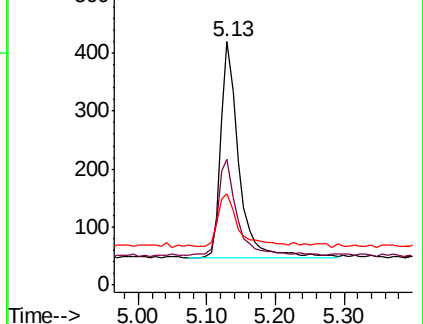
63 29.1 19.3 28.9#

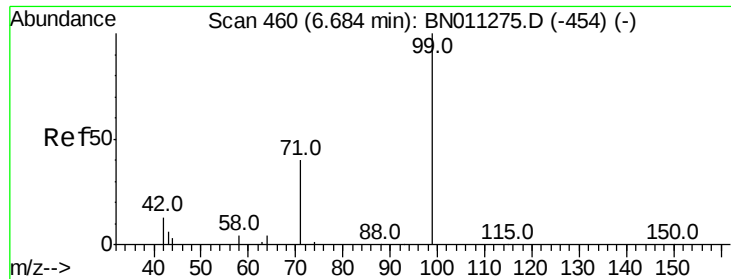


Abundance Ion 112.00 (111.70 to 112.70): BN011326.D (-242) (-)

Ion 64.00 (63.70 to 64.70): BN011326.D (-242) (-)

Ion 63.00 (62.70 to 63.70): BN011326.D (-242) (-)





#5

Phenol-d6

Concen: 0.092 ng

RT: 6.68 min Scan# 459

Delta R.T. 0.01 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

Instrument :

BNA_N

ClientSampled :

S-1

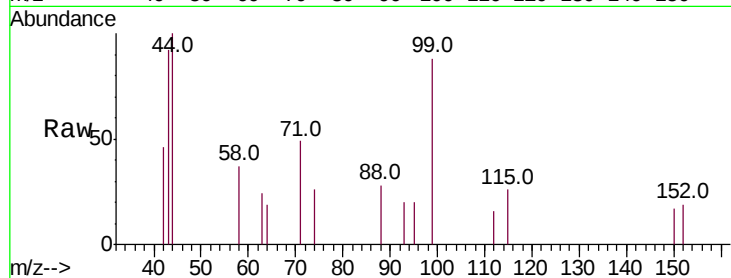
Tot Ion: 99 Resp: 473

Ion Ratio Lower Upper

99 100

42 20.7 11.2 16.8#

71 36.8 30.6 45.8



Abundance Ion 99.00 (98.70 to 99.70): BN011275.D (-454) (-)

Ion 42.00 (41.70 to 42.70): BN011275.D (-454) (-)

Ion 71.00 (70.70 to 71.70): BN011275.D (-454) (-)

6.68

300

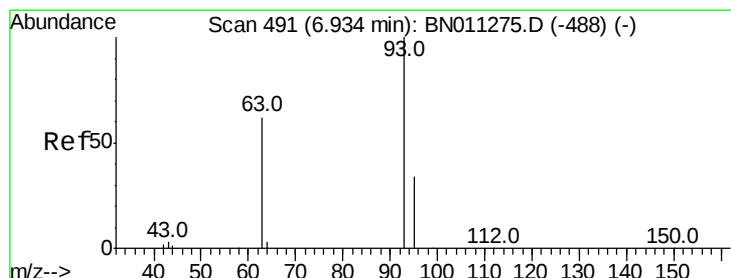
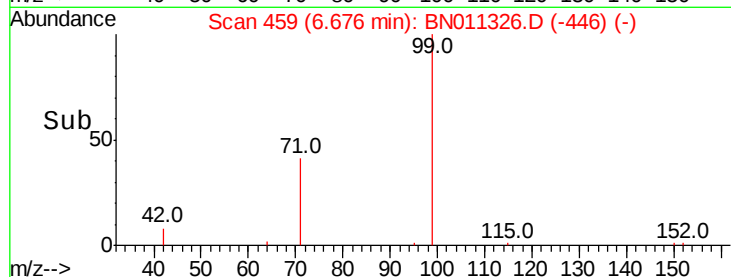
200

100

0

6.60 6.70 6.80

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.436 ng

RT: 6.82 min Scan# 477

Delta R.T. -0.10 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

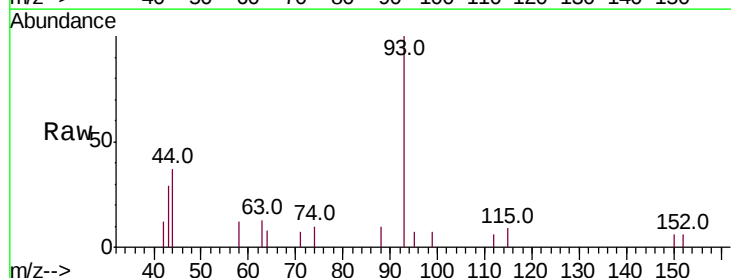
Tgt Ion: 93 Resp: 1869

Ion Ratio Lower Upper

93 100

63 4.8 47.8 71.6#

95 0.2 27.1 40.7#



Abundance Ion 93.00 (92.70 to 93.70): BN011275.D (-488) (-)

Ion 63.00 (62.70 to 63.70): BN011275.D (-488) (-)

Ion 95.00 (94.70 to 95.70): BN011275.D (-488) (-)

6.82

1000

800

600

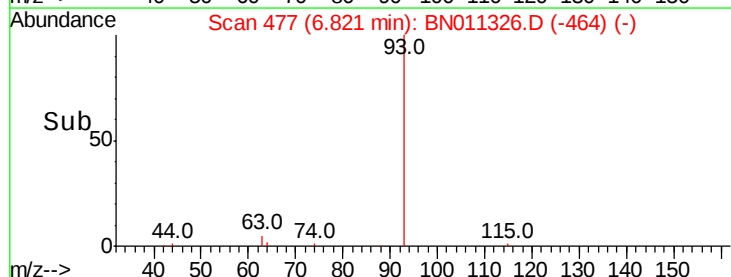
400

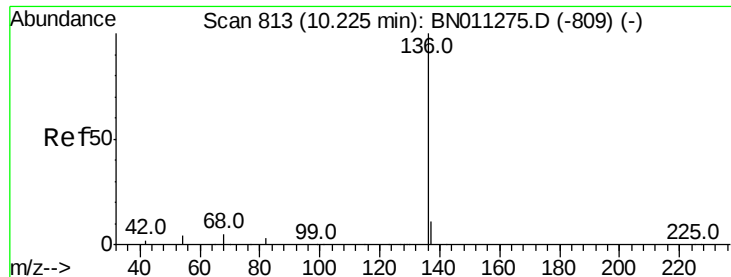
200

0

6.80 7.00

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.21 min Scan# 812

Delta R.T. 0.00 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

Instrument :

BNA_N

ClientSampleId :

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Tot Ion:136 Resp: 5854

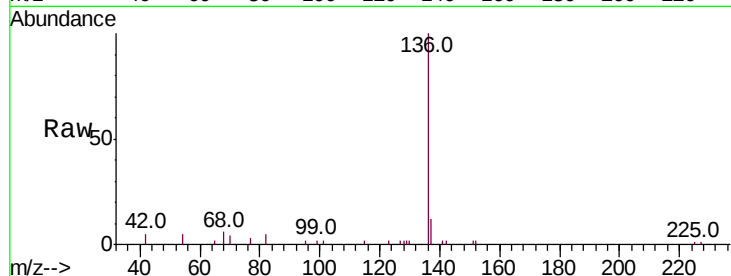
Ion Ratio Lower Upper

136 100

137 12.5 9.9 14.9

54 5.4 4.8 7.2

68 6.1 4.9 7.3

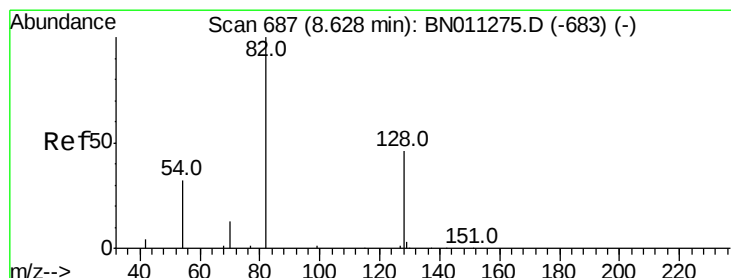
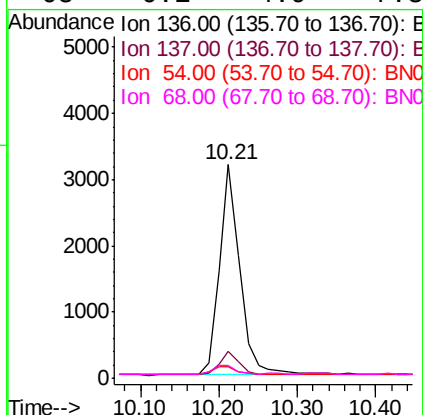
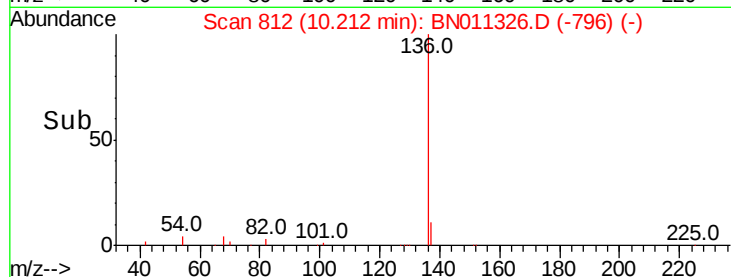


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.414 ng

RT: 8.60 min Scan# 685

Delta R.T. 0.00 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

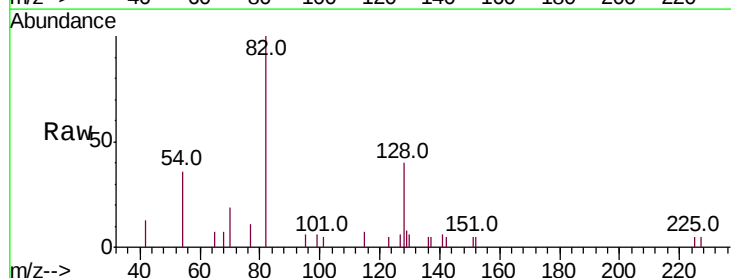
Tgt Ion: 82 Resp: 2163

Ion Ratio Lower Upper

82 100

128 40.4 40.1 60.1

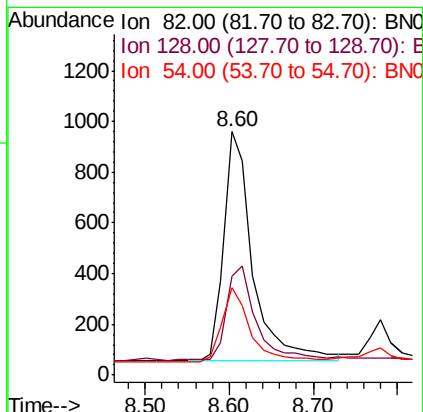
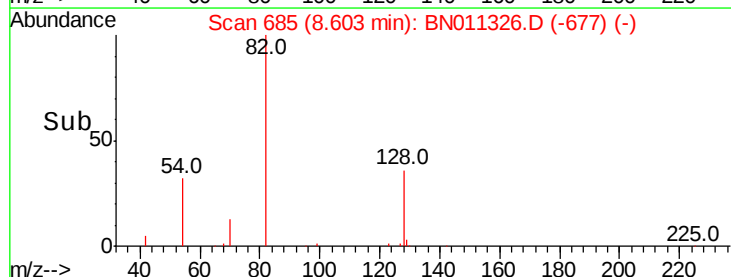
54 35.9 29.0 43.6

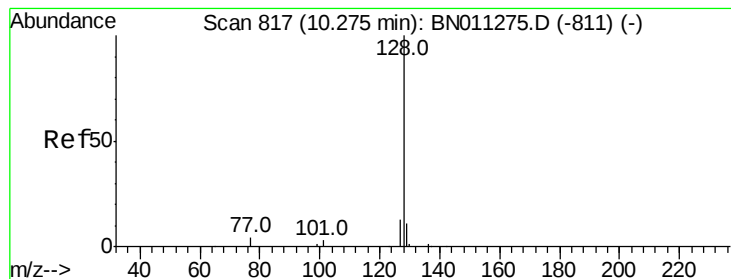


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.098 ng

RT: 10.26 min Scan# 816

Delta R.T. 0.00 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

Instrument :

BNA_N

ClientSampleId :

S-1

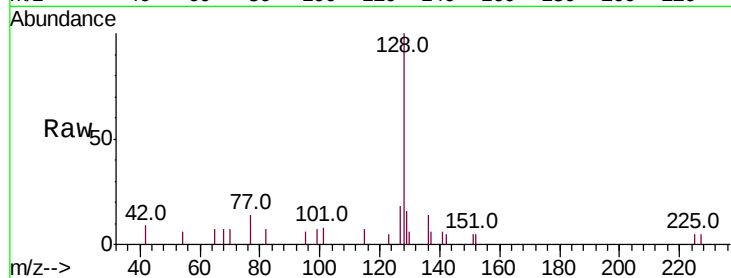
Tot Ion:128 Resp: 1695

Ion Ratio Lower Upper

128 100

129 15.9 9.7 14.5#

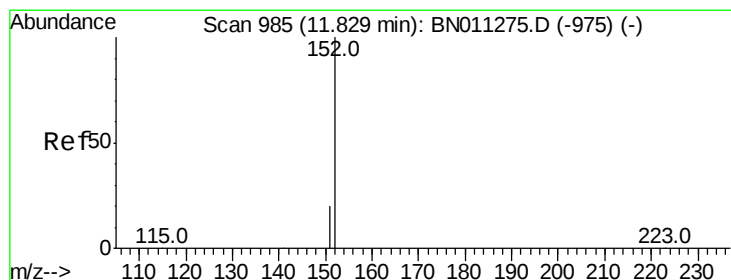
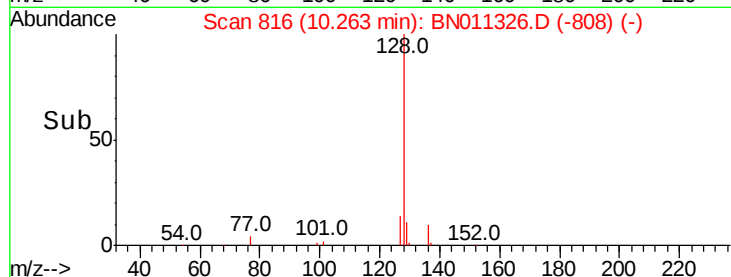
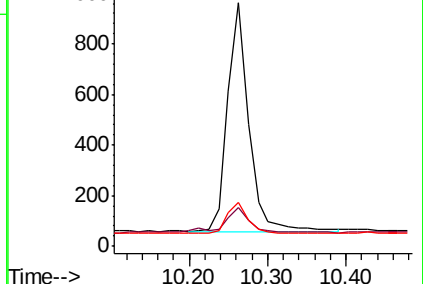
127 18.2 11.5 17.3#



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: 0.302 ng

RT: 11.81 min Scan# 980

Delta R.T. -0.00 min

Lab File: BN011326.D

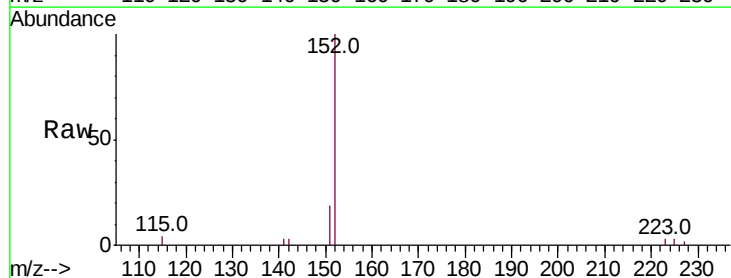
Acq: 31 Jul 2020 14:05

Tgt Ion:152 Resp: 3232

Ion Ratio Lower Upper

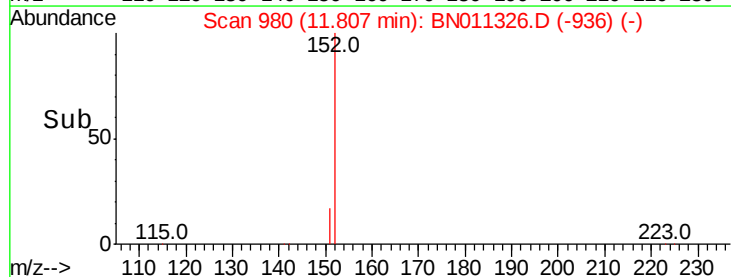
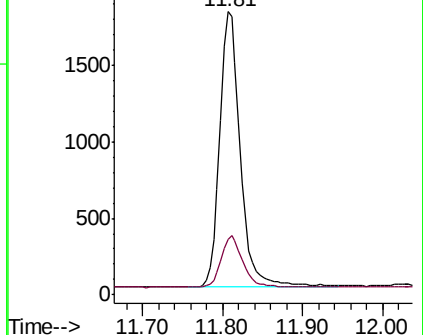
152 100

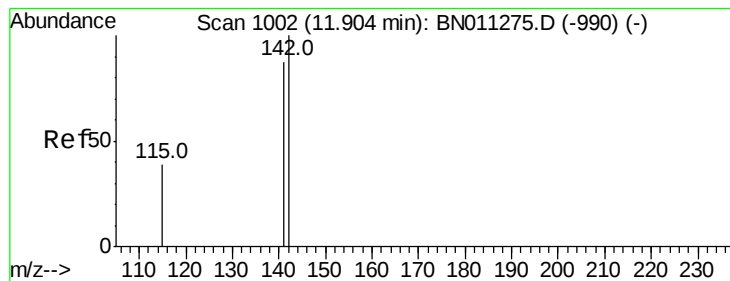
151 19.5 16.6 24.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.041 ng

RT: 11.88 min Scan# 997

Delta R.T. -0.00 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

Instrument :

BNA_N

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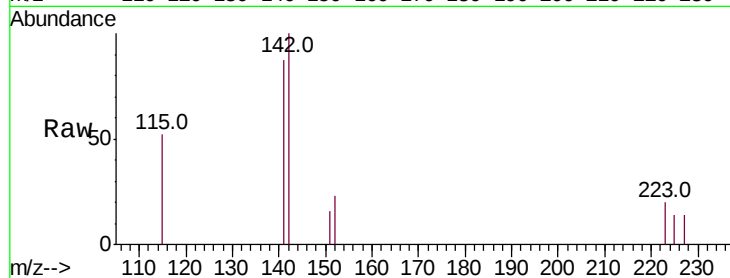
Tot Ion:142 Resp: 499

Ion Ratio Lower Upper

142 100

141 87.1 69.6 104.4

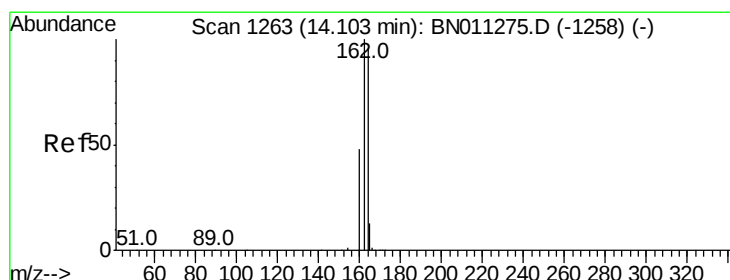
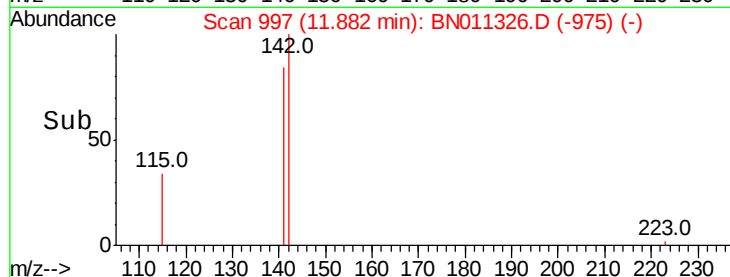
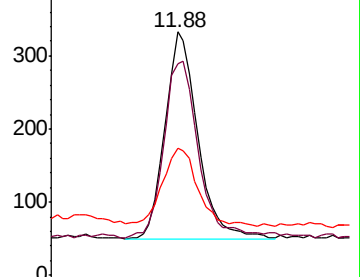
115 52.3 32.5 48.7#



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: 14.09 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

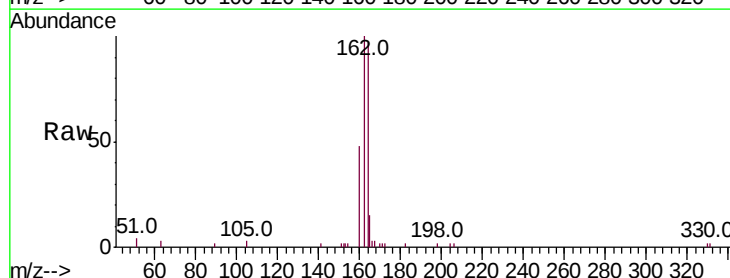
Tgt Ion:164 Resp: 3745

Ion Ratio Lower Upper

164 100

162 102.6 83.6 125.4

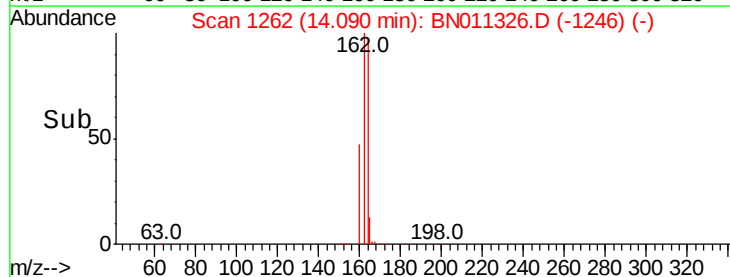
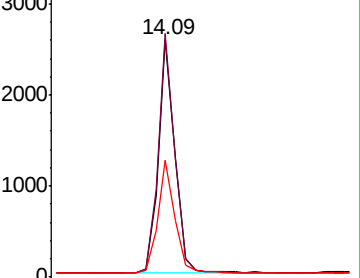
160 49.1 41.2 61.8

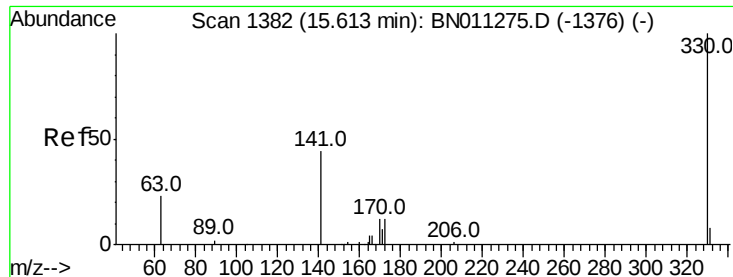


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

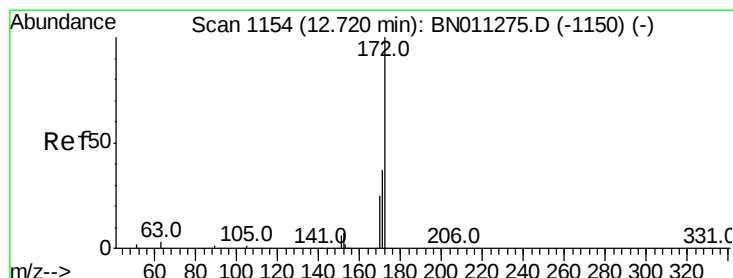
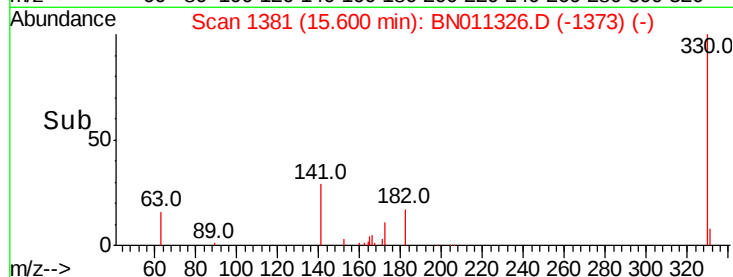
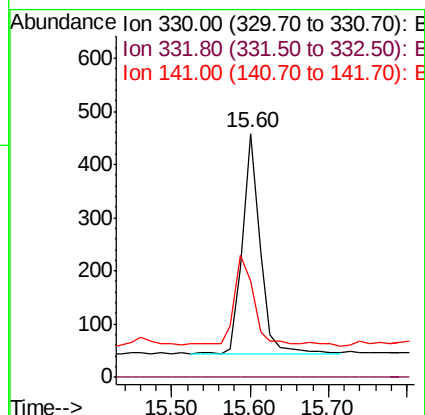
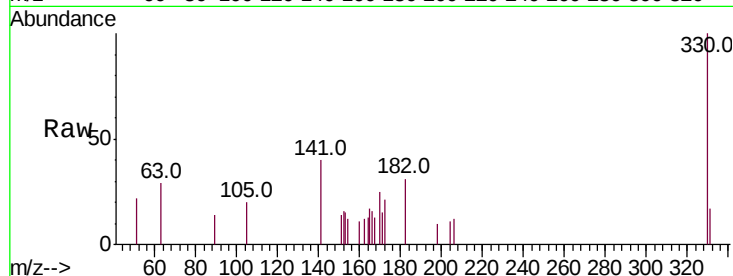




#14
 2,4,6-Tribromophenol
 Concen: 0.373 ng
 RT: 15.60 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: BN011326.D
 Acq: 31 Jul 2020 14:05

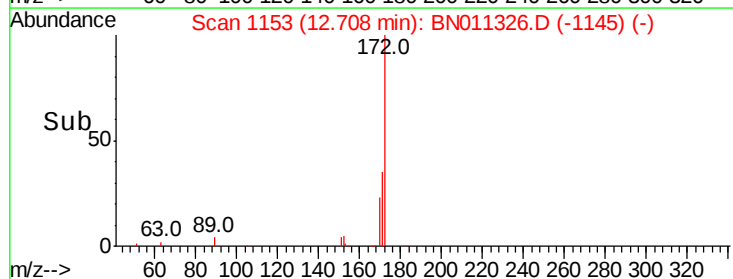
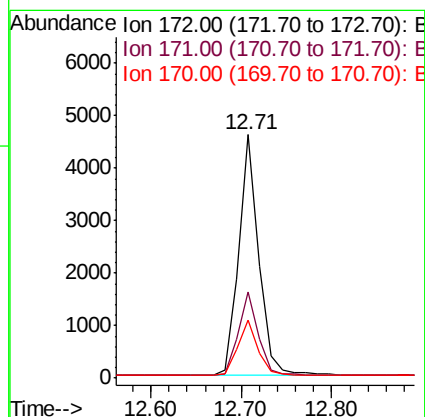
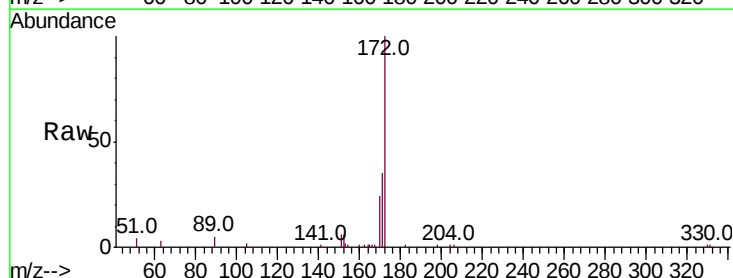
Instrument :
 BNA_N
 ClientSampleId :
 S-1

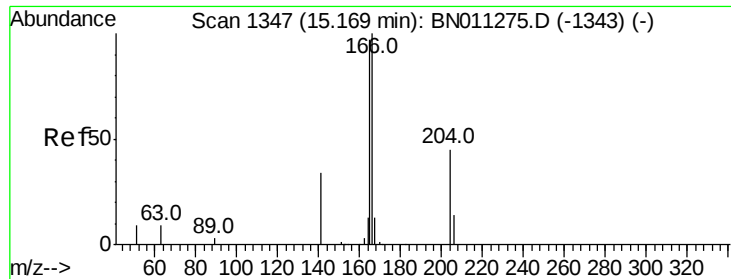
Tot Ion:330 Resp: 645
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 43.7 34.2 51.2



#15
 2-Fluorobiphenyl
 Concen: 0.440 ng
 RT: 12.71 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BN011326.D
 Acq: 31 Jul 2020 14:05

Tgt Ion:172 Resp: 7108
 Ion Ratio Lower Upper
 172 100
 171 35.2 30.6 46.0
 170 23.9 21.0 31.4





#18

Fluorene

Concen: 0.031 ng

RT: 15.16 min Scan# 1346

Delta R.T. 0.00 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

Instrument :

BNA_N

ClientSampleId :

S-1

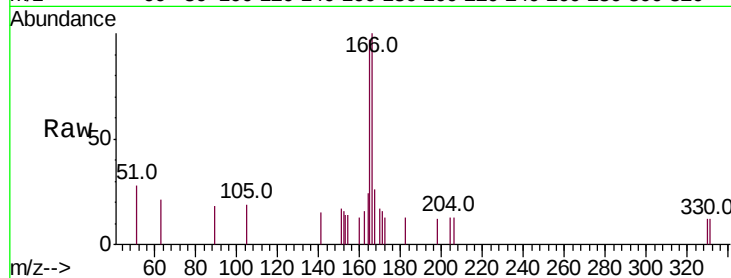
Tot Ion:166 Resp: 504

Ion Ratio Lower Upper

166 100

165 95.2 79.6 119.4

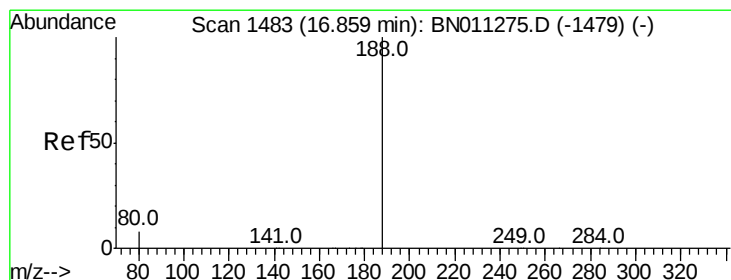
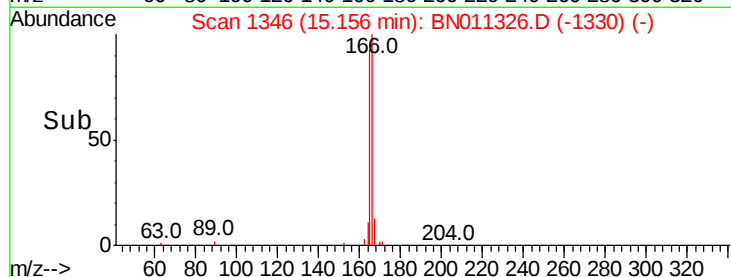
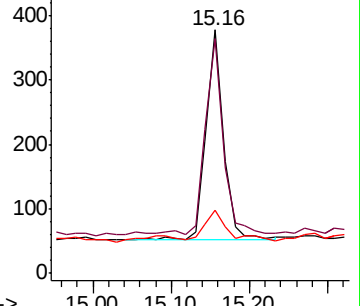
167 18.7 10.8 16.2#



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: 16.85 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

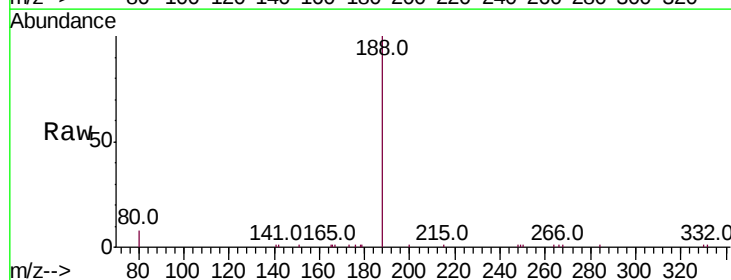
Tgt Ion:188 Resp: 9181

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

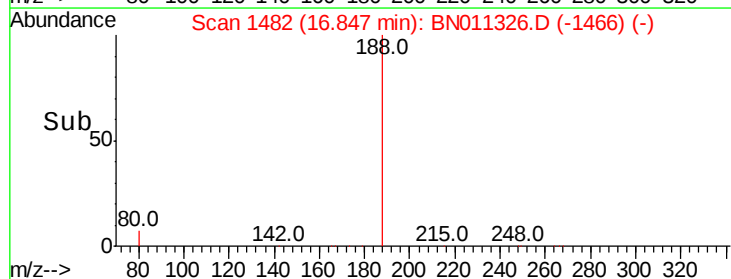
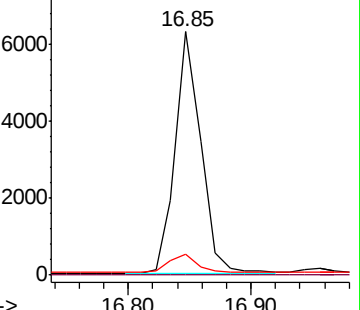
80 8.4 7.4 11.0

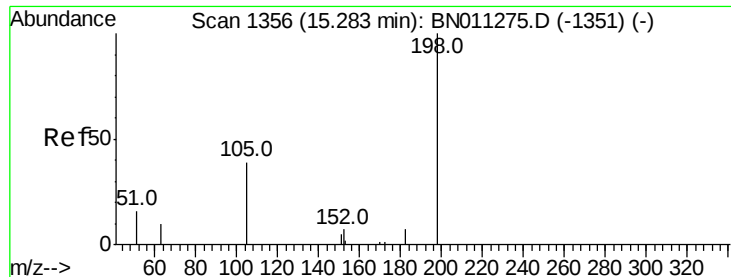


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

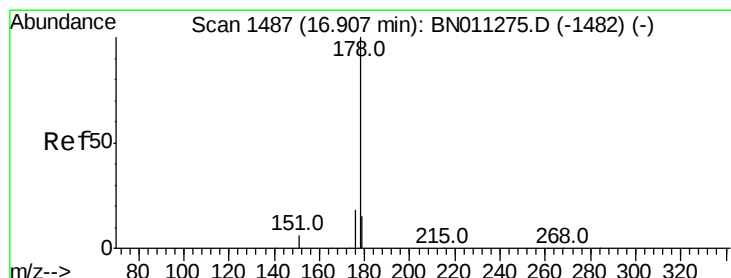
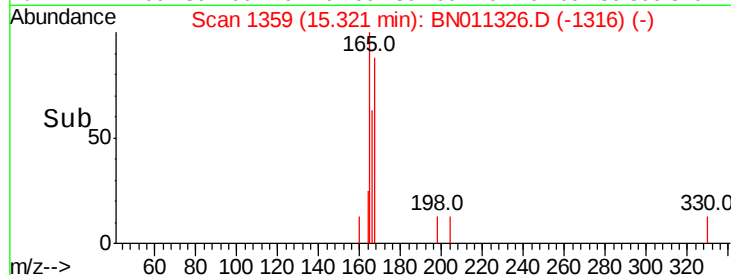
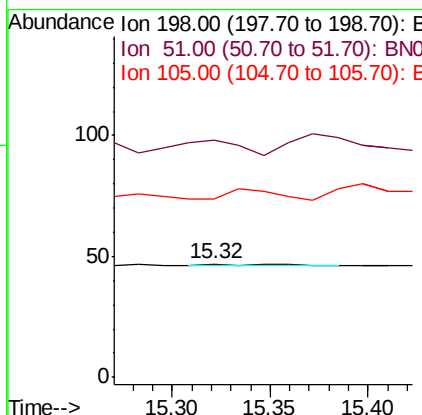
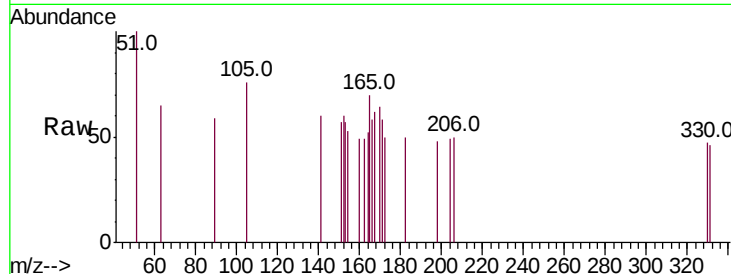




#20
4,6-Dinitro-2-methylphenol
Concen: 0.195 ng
RT: 15.32 min Scan# 1359
Delta R.T. 0.05 min
Lab File: BN011326.D
Acq: 31 Jul 2020 14:05

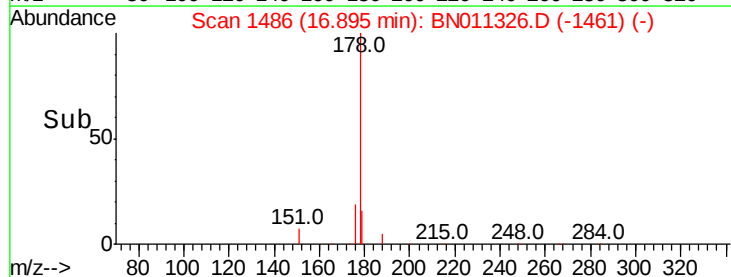
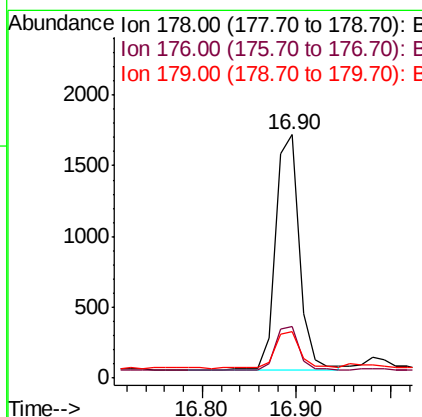
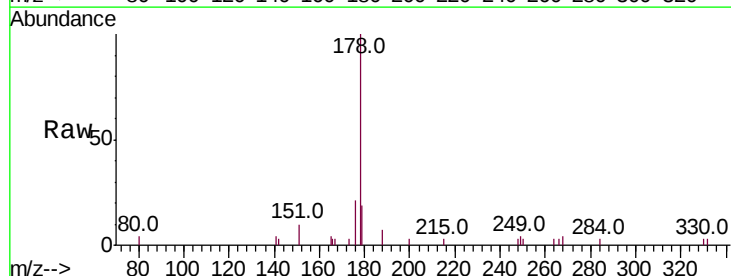
Instrument :
BNA_N
ClientSampleId :
S-1

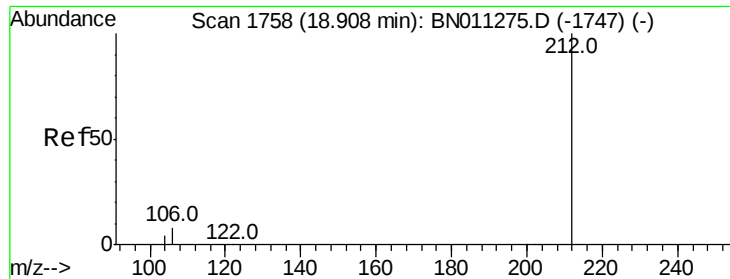
Tot Ion:198 Resp: 2
Ion Ratio Lower Upper
198 100
51 208.5 49.0 73.6#
105 157.4 53.8 80.6#



#25
Phenanthrene
Concen: 0.097 ng
RT: 16.90 min Scan# 1486
Delta R.T. 0.00 min
Lab File: BN011326.D
Acq: 31 Jul 2020 14:05

Tgt Ion:178 Resp: 2898
Ion Ratio Lower Upper
178 100
176 19.2 14.9 22.3
179 16.3 12.2 18.4

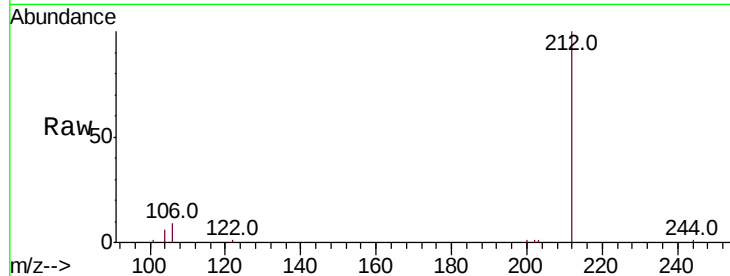




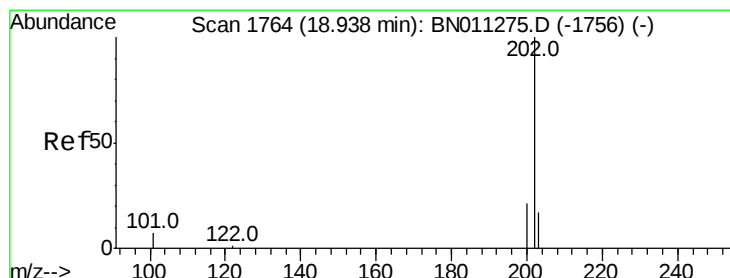
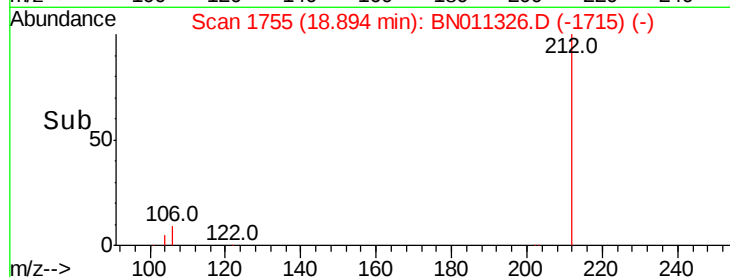
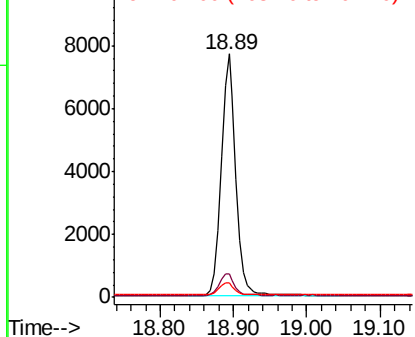
#27
 Fluoranthene-d10
 Concen: 0.380 ng
 RT: 18.89 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: BN011326.D
 Acq: 31 Jul 2020 14:05

Instrument :
 BNA_N
 ClientSampleId :
 S-1

Tot Ion:212 Resp: 10652
 Ion Ratio Lower Upper
 212 100
 106 9.1 6.9 10.3
 104 5.0 4.2 6.2

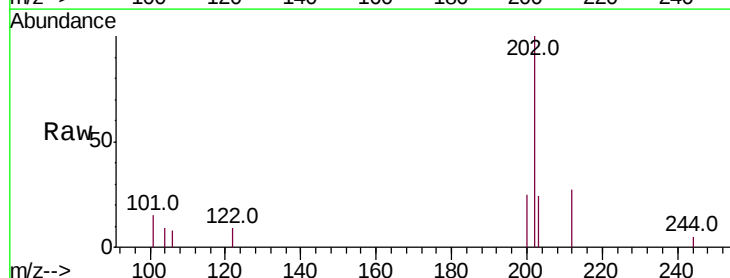


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

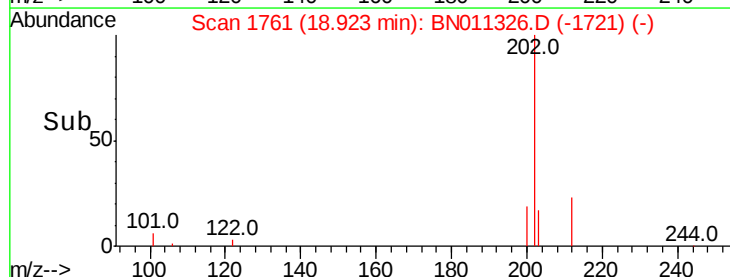
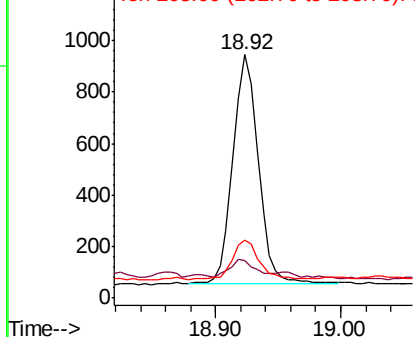


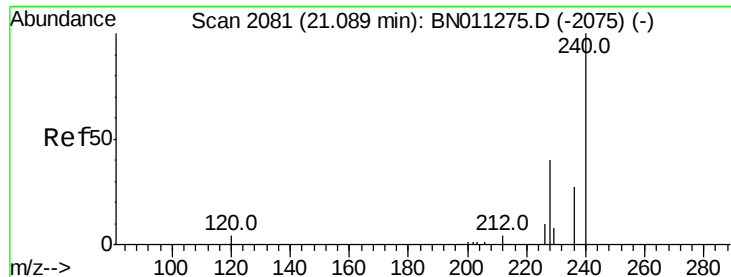
#28
 Fluoranthene
 Concen: 0.036 ng
 RT: 18.92 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: BN011326.D
 Acq: 31 Jul 2020 14:05

Tgt Ion:202 Resp: 1238
 Ion Ratio Lower Upper
 202 100
 101 7.9 5.9 8.9
 203 18.1 13.7 20.5



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: 21.07 min Scan# 2079

Delta R.T. 0.00 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

Instrument :

BNA_N

ClientSampleId :

S-1

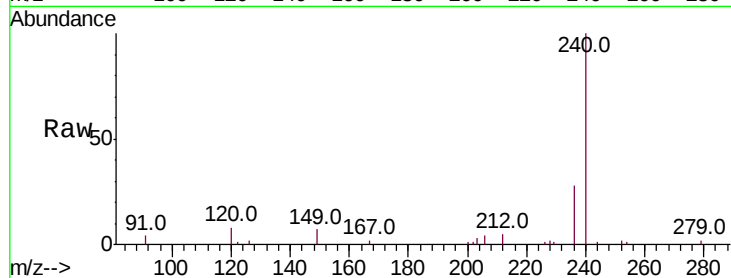
Tot Ion:240 Resp: 10313

Ion Ratio Lower Upper

240 100

120 8.3 5.8 8.8

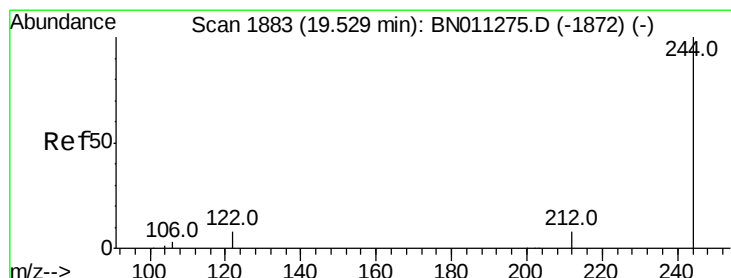
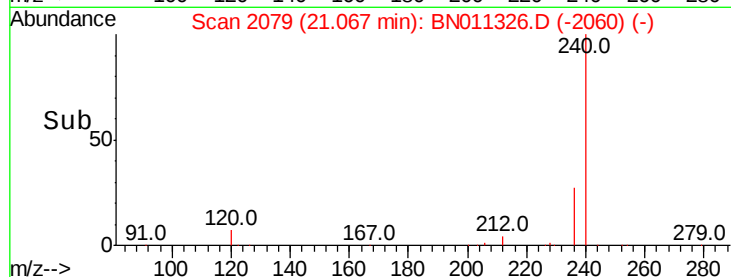
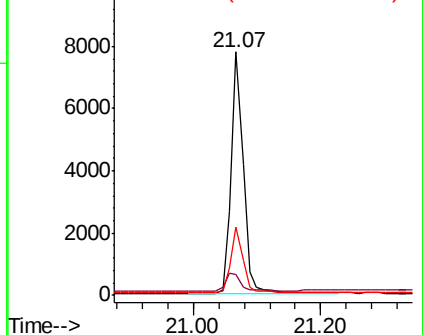
236 27.9 22.7 34.1



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: 0.438 ng

RT: 19.51 min Scan# 1879

Delta R.T. -0.00 min

Lab File: BN011326.D

Acq: 31 Jul 2020 14:05

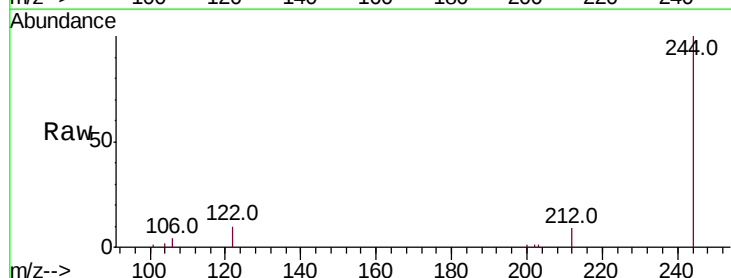
Tgt Ion:244 Resp: 13687

Ion Ratio Lower Upper

244 100

212 8.7 7.6 11.4

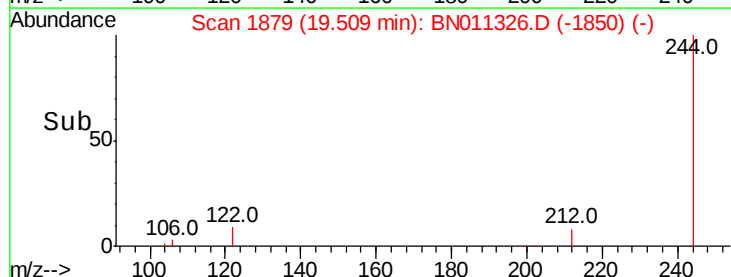
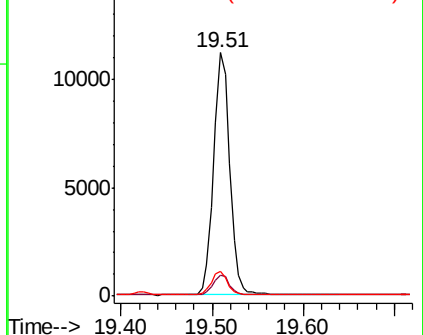
122 9.9 7.5 11.3

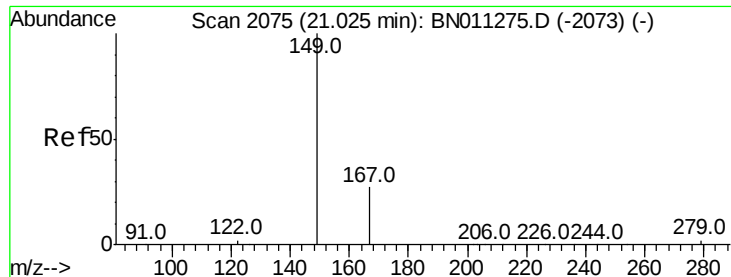


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

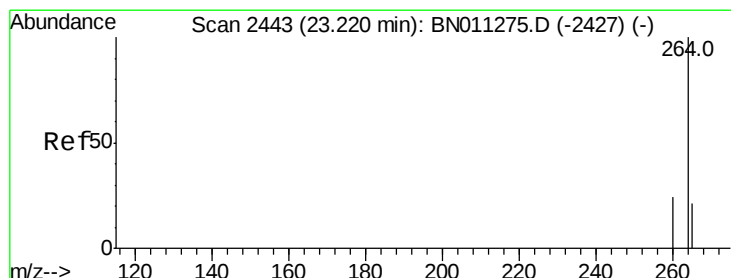
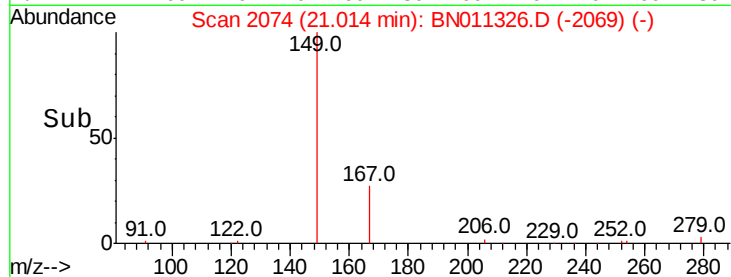
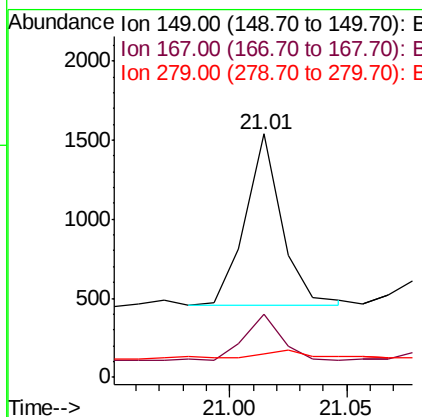
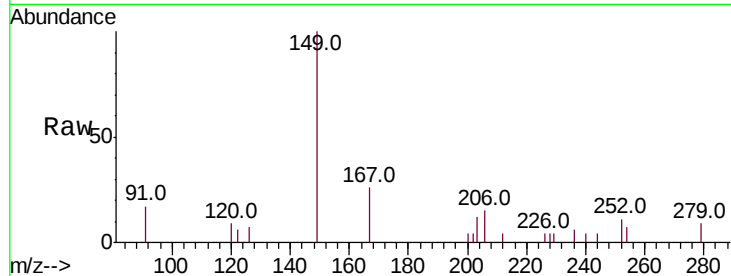




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.063 ng
 RT: 21.01 min Scan# 2074
 Delta R.T. 0.00 min
 Lab File: BN011326.D
 Acq: 31 Jul 2020 14:05

Instrument :
 BNA_N
 ClientSampleId :
 S-1

Tot Ion:149 Resp: 1177
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.7 32.5
 279 4.8 3.9 5.9



#36
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.19 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: BN011326.D
 Acq: 31 Jul 2020 14:05

Tgt Ion:264 Resp: 11002
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.1 30.1
 265 58.5 70.7 106.1#

