

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041019\
 Data File : BN005131.D
 Acq On : 10 Apr 2019 17:06
 Operator : JU/SJ
 Sample : K2345-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 11 07:32:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 27 05:27:09 2019
 Response via : Initial Calibration

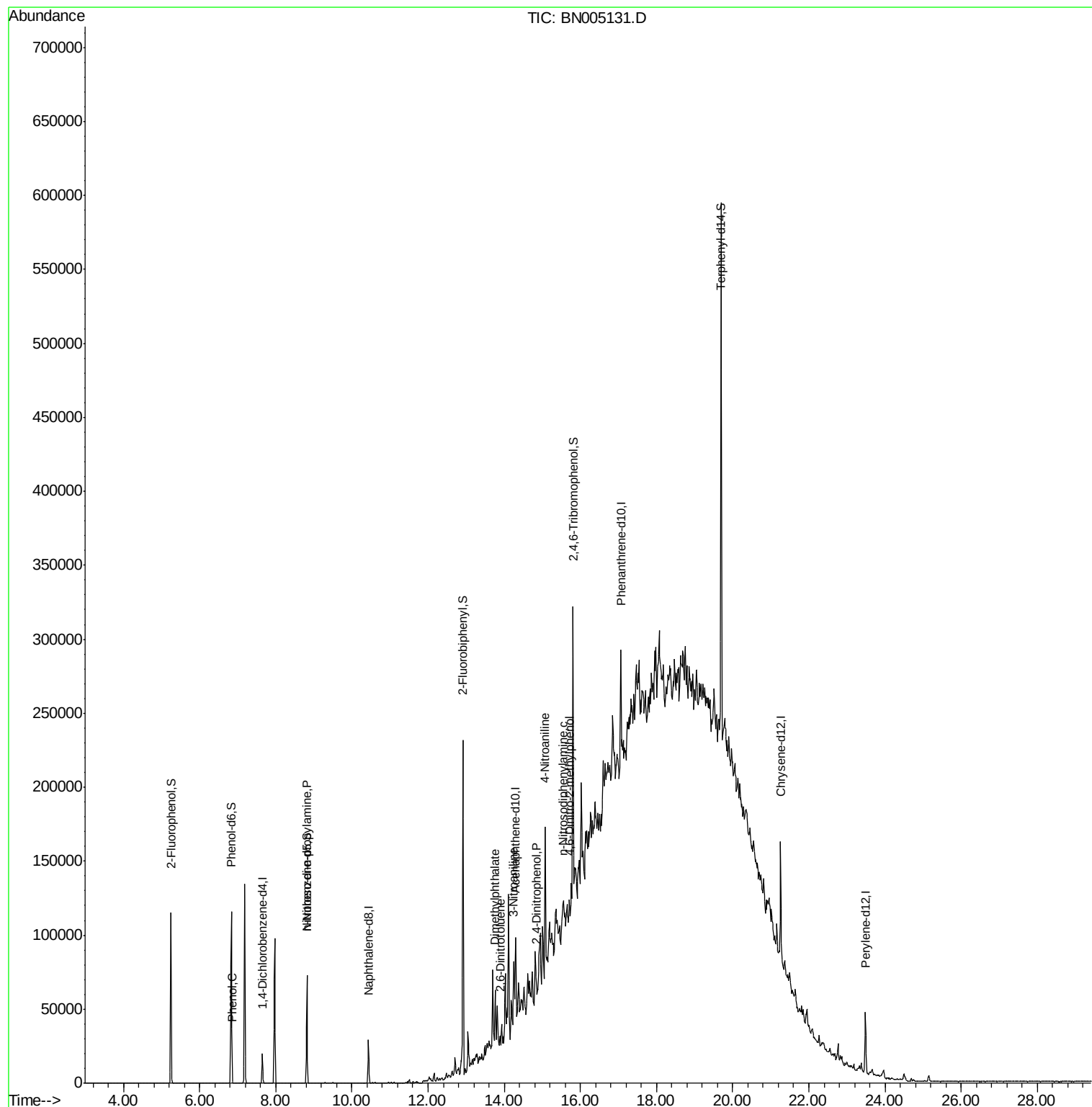
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	6745	20.00	ng	-0.02
21) Naphthalene-d8	10.43	136	27228	20.00	ng	-0.03
39) Acenaphthene-d10	14.30	164	16568	20.00	ng	-0.02
64) Phenanthrene-d10	17.06	188	34899	20.00	ng	-0.02
76) Chrysene-d12	21.26	240	33316	20.00	ng	-0.02
87) Perylene-d12	23.49	264	32221	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	55942	143.39	ng	-0.02
7) Phenol-d6	6.83	99	74371	143.73	ng	-0.02
23) Nitrobenzene-d5	8.82	82	42139	93.62	ng	-0.03
42) 2,4,6-Tribromophenol	15.80	330	43992	164.63	ng	-0.02
45) 2-Fluorobiphenyl	12.92	172	120359	96.26	ng	-0.02
79) Terphenyl-d14	19.70	244	175971	101.69	ng	-0.01
Target Compounds						
10) Phenol	6.86	94	1236	2.229	ng	# 74
19) n-Nitroso-di-n-propylamine	8.82	70	5391	15.892	ng	# 73
50) Dimethylphthalate	13.76	163	11846	8.703	ng	# 98
51) 2,6-Dinitrotoluene	13.89	165	1427	4.607	ng	# 29
53) 3-Nitroaniline	14.25	138	1019	3.219	ng	# 1
54) 2,4-Dinitrophenol	14.86	184	111	7.755	ng	# 24
62) 4-Nitroaniline	15.08	138	2401	7.549	ng	# 79
65) 4,6-Dinitro-2-methylphenol	15.72	198	502	5.145	ng	# 1
66) n-Nitrosodiphenylamine	15.56	169	3048	2.773	ng	# 24

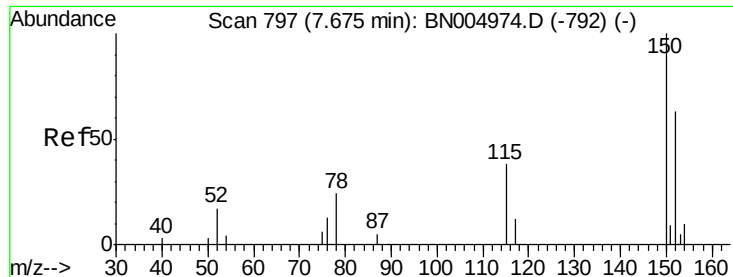
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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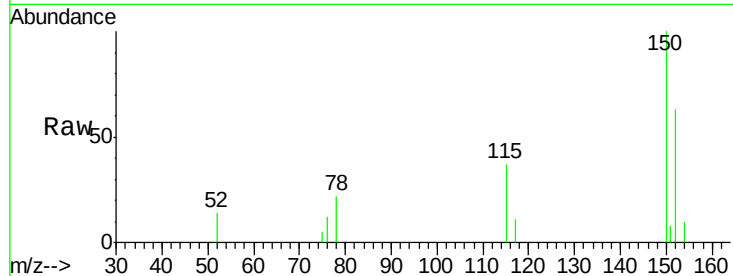


#1

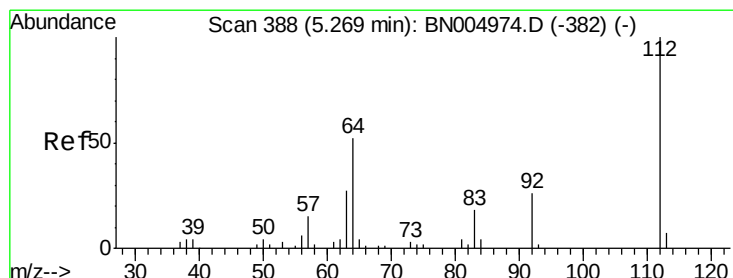
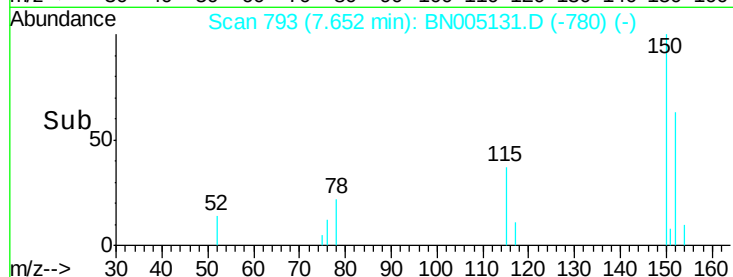
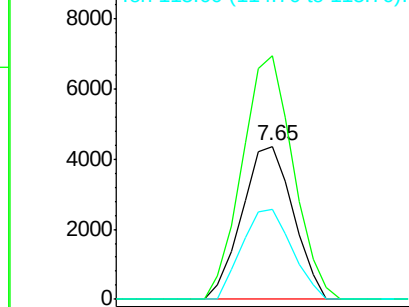
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.02 min
Lab File: BN005131.D
Acq: 10 Apr 2019 17:06

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 6745
Ion Ratio Lower Upper
152 100
150 159.0 126.9 190.3
115 58.9 47.8 71.6



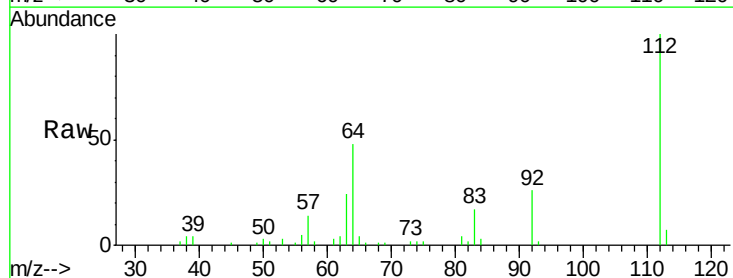
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



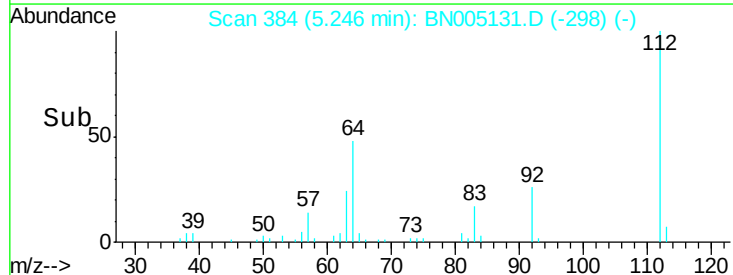
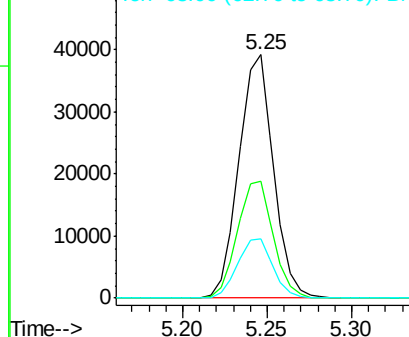
#5

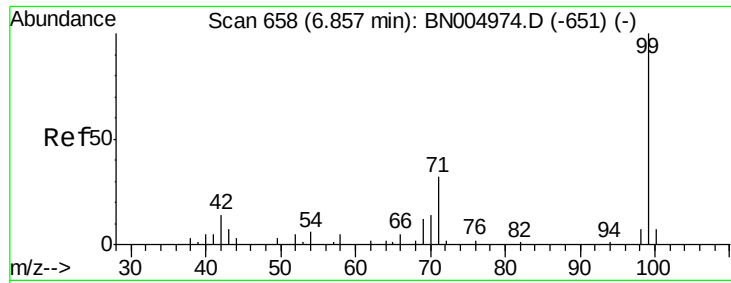
2-Fluorophenol
Concen: 143.392 ng
RT: 5.25 min Scan# 384
Delta R.T. -0.02 min
Lab File: BN005131.D
Acq: 10 Apr 2019 17:06

Tgt Ion:112 Resp: 55942
Ion Ratio Lower Upper
112 100
64 48.0 41.9 62.9
63 24.1 21.4 32.0



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





#7

Phenol-d6

Concen: 143.726 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.02 min

Lab File: BN005131.D

Acq: 10 Apr 2019 17:06

Instrument :

BNA_N

ClientSampleId :

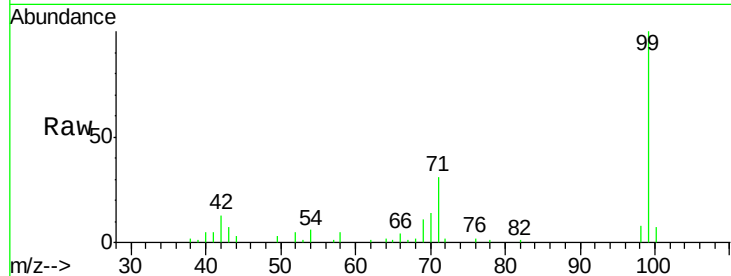
Tot Ion: 99 Resp: 74371

Ion Ratio Lower Upper

99 100

42 12.9 11.4 17.0

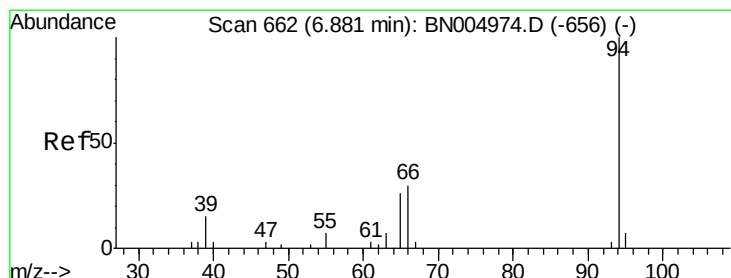
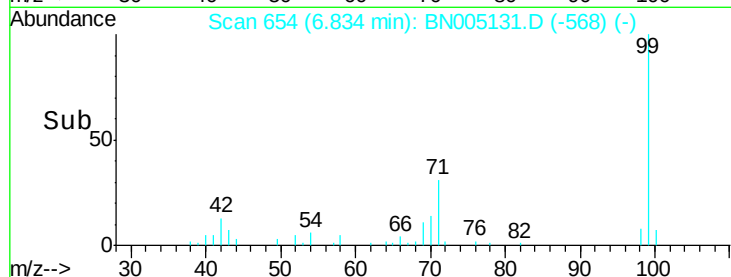
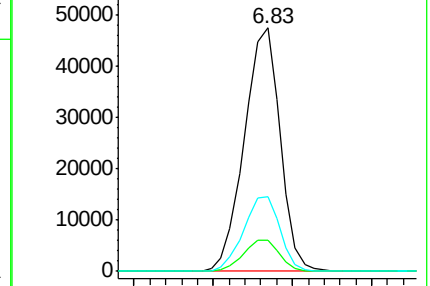
71 30.8 25.8 38.8



Abundance Ion 99.00 (98.70 to 99.70): BN004974.D (-651) (-)

Ion 42.00 (41.70 to 42.70): BN004974.D (-651) (-)

Ion 71.00 (70.70 to 71.70): BN004974.D (-651) (-)



#10

Phenol

Concen: 2.229 ng

RT: 6.86 min Scan# 658

Delta R.T. -0.02 min

Lab File: BN005131.D

Acq: 10 Apr 2019 17:06

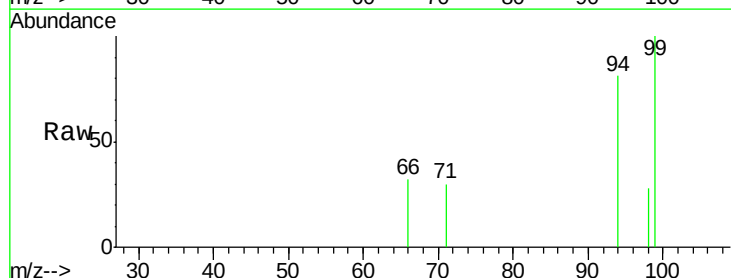
Tgt Ion: 94 Resp: 1236

Ion Ratio Lower Upper

94 100

65 0.0 5.7 45.7#

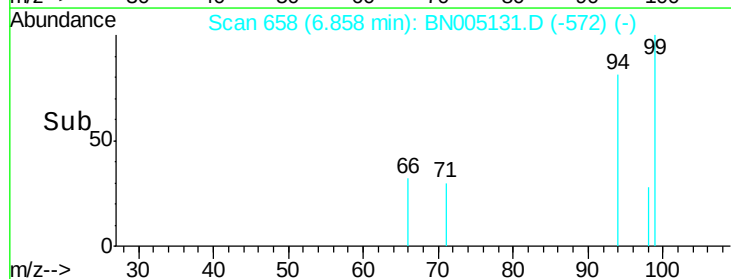
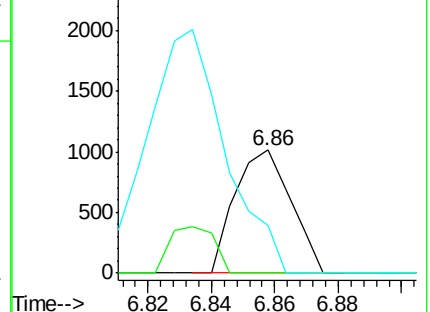
66 38.9 14.8 54.8

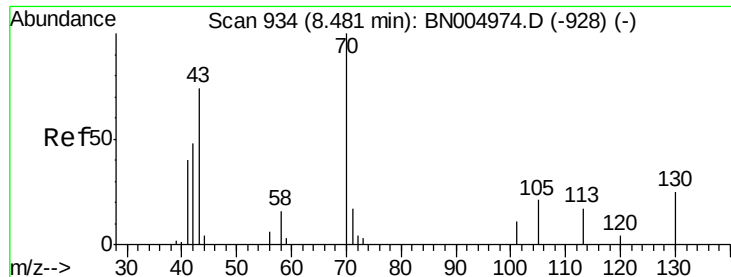


Abundance Ion 94.00 (93.70 to 94.70): BN004974.D (-656) (-)

Ion 65.00 (64.70 to 65.70): BN004974.D (-656) (-)

Ion 66.00 (65.70 to 66.70): BN004974.D (-656) (-)

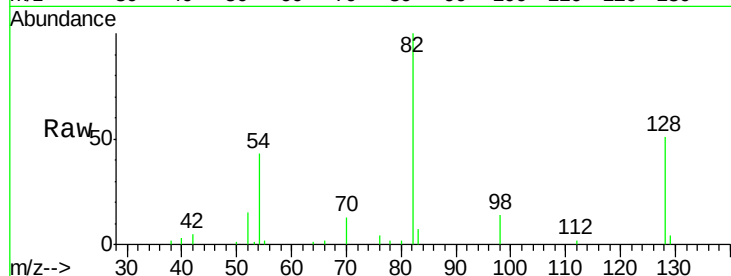




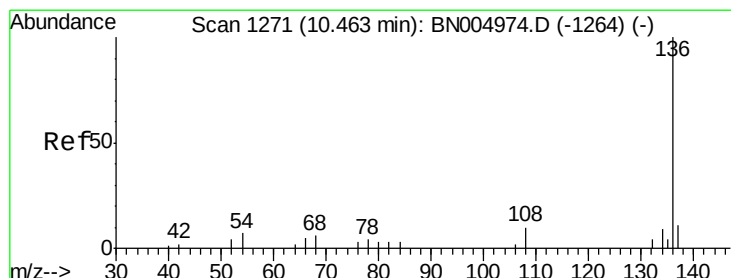
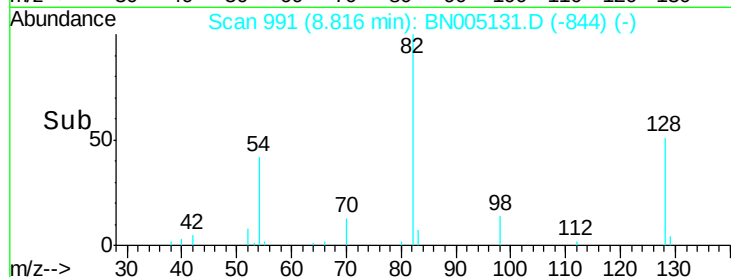
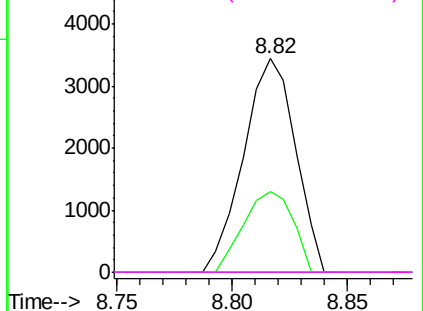
#19
n-Nitroso-di-n-propylamine
Concen: 15.892 ng
RT: 8.82 min Scan# 991
Delta R.T. 0.34 min
Lab File: BN005131.D
Acq: 10 Apr 2019 17:06

Instrument :
BNA_N
ClientSampled :

Tot Ion: 70 Resp: 5391
Ion Ratio Lower Upper
70 100
42 38.0 38.4 57.6#
101 0.0 8.8 13.2#
130 0.0 19.8 29.8#

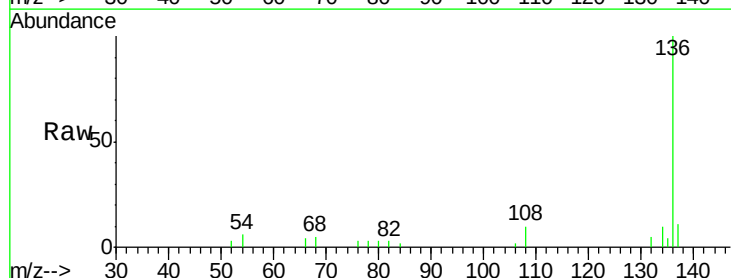


Abundance Ion 70.00 (69.70 to 70.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

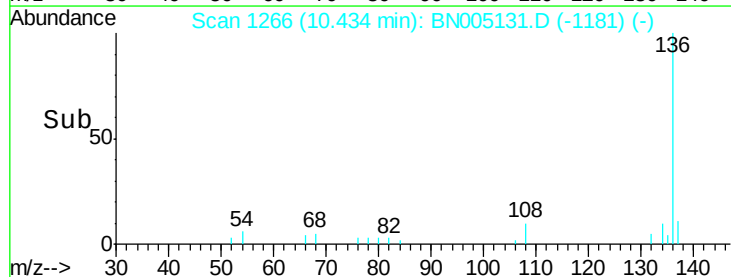
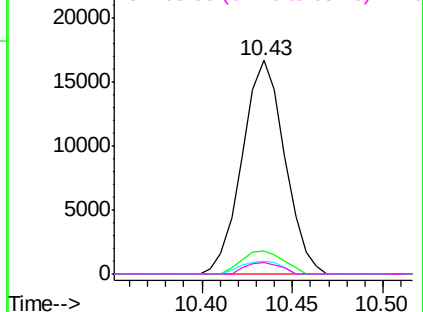


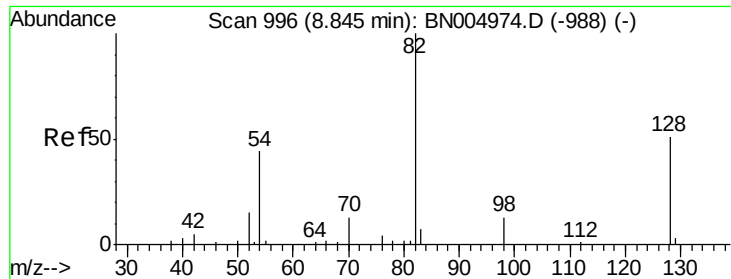
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.43 min Scan# 1266
Delta R.T. -0.03 min
Lab File: BN005131.D
Acq: 10 Apr 2019 17:06

Tgt Ion: 136 Resp: 27228
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.2 5.3 7.9
68 5.4 4.6 6.8



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): BN0
Ion 68.00 (67.70 to 68.70): BN0

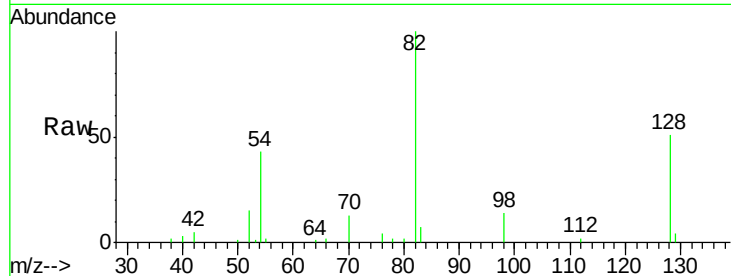




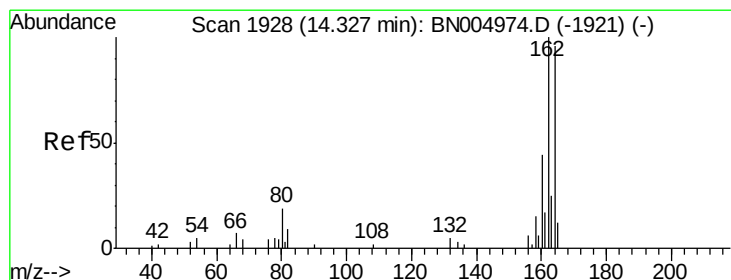
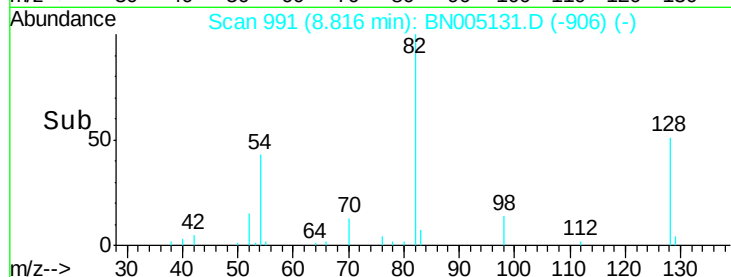
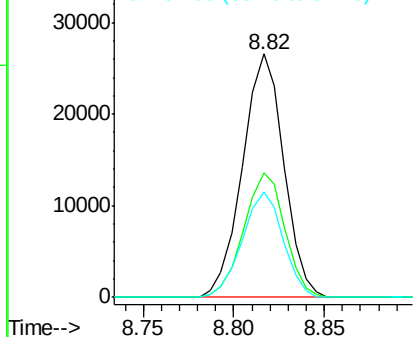
#23
 Nitrobenzene-d5
 Concen: 93.619 ng
 RT: 8.82 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BN005131.D
 Acq: 10 Apr 2019 17:06

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion: 82 Resp: 42139
 Ion Ratio Lower Upper
 82 100
 128 51.2 40.6 60.8
 54 43.1 35.2 52.8

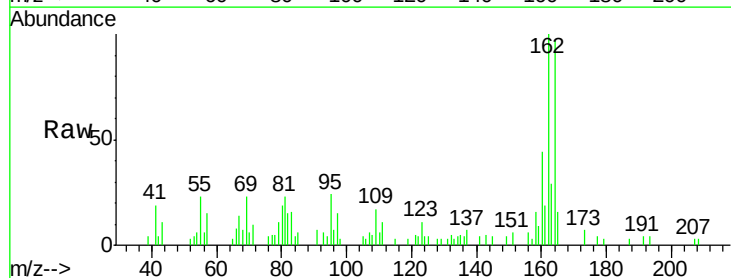


Abundance Ion 82.00 (81.70 to 82.70): BNC
 Ion 128.00 (127.70 to 128.70): BNC
 Ion 54.00 (53.70 to 54.70): BNC

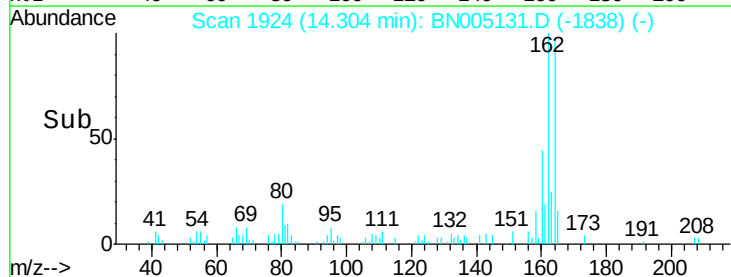
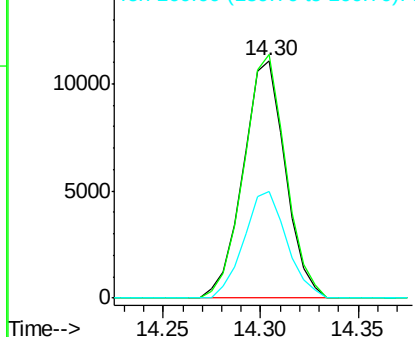


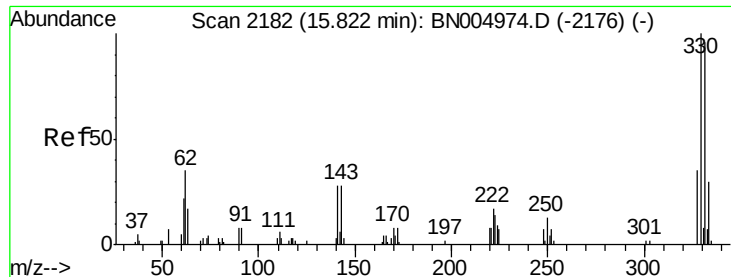
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.30 min Scan# 1924
 Delta R.T. -0.02 min
 Lab File: BN005131.D
 Acq: 10 Apr 2019 17:06

Tgt Ion:164 Resp: 16568
 Ion Ratio Lower Upper
 164 100
 162 102.6 83.4 125.0
 160 45.0 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): BNC
 Ion 162.00 (161.70 to 162.70): BNC
 Ion 160.00 (159.70 to 160.70): BNC





#42

2,4,6-Tribromophenol

Concen: 164.634 ng

RT: 15.80 min Scan# 2179

Delta R.T. -0.02 min

Lab File: BN005131.D

Acq: 10 Apr 2019 17:06

Instrument :

BNA_N

ClientSampleId :

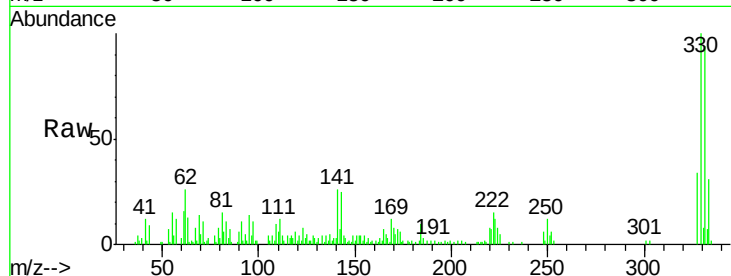
Tot Ion:330 Resp: 43992

Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

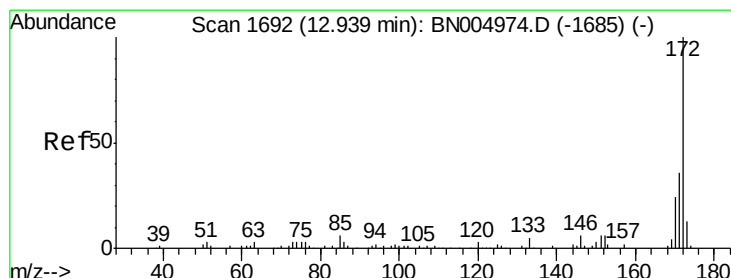
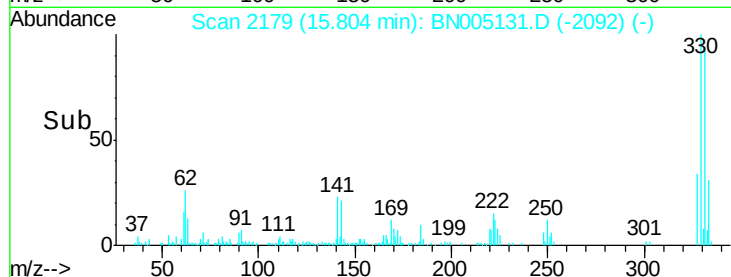
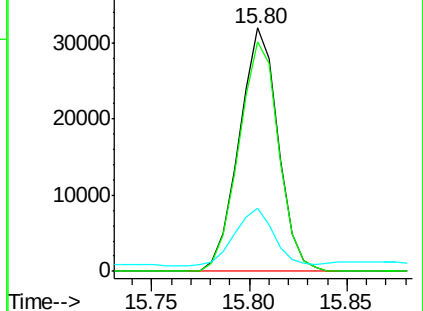
141 23.5 22.1 33.1



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 96.264 ng

RT: 12.92 min Scan# 1688

Delta R.T. -0.02 min

Lab File: BN005131.D

Acq: 10 Apr 2019 17:06

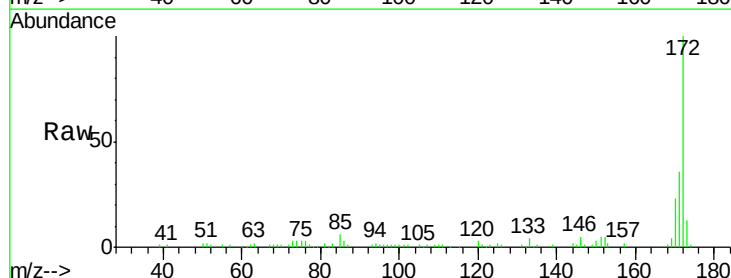
Tgt Ion:172 Resp: 120359

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

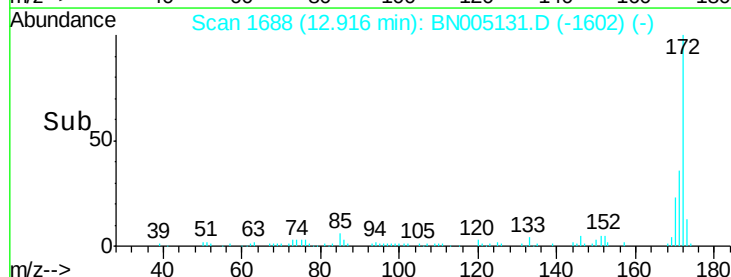
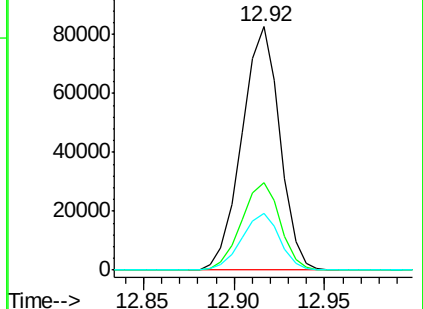
170 23.1 18.9 28.3

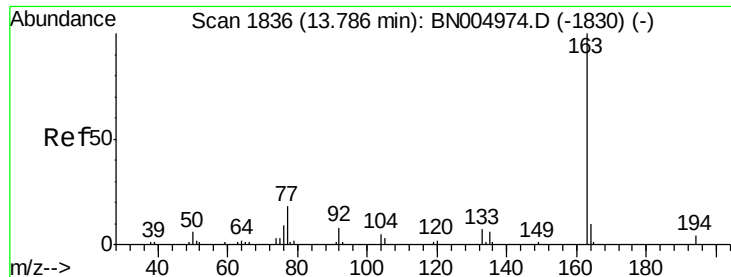


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.703 ng

RT: 13.76 min Scan# 1831

Delta R.T. -0.03 min

Lab File: BN005131.D

Acq: 10 Apr 2019 17:06

Instrument :

BNA_N

ClientSampleId :

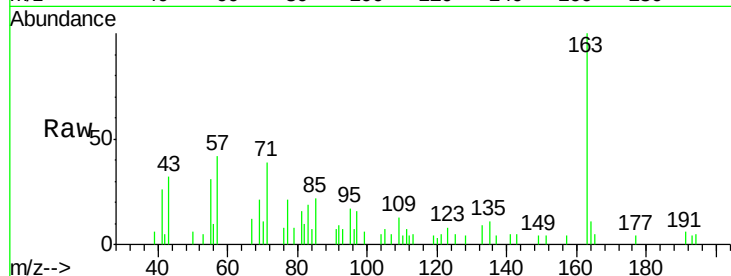
Tot Ion:163 Resp: 11846

Ion Ratio Lower Upper

163 100

194 5.1 3.4 5.0#

164 11.1 8.3 12.5

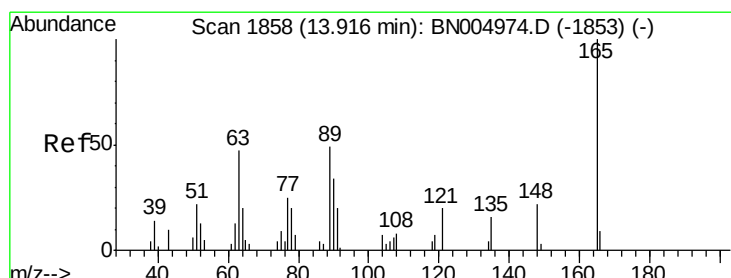
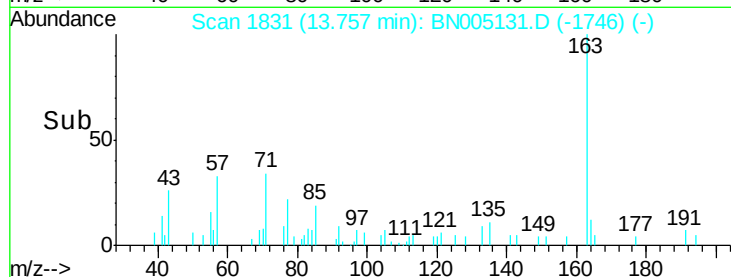


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



#51

2,6-Dinitrotoluene

Concen: 4.607 ng

RT: 13.89 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BN005131.D

Acq: 10 Apr 2019 17:06

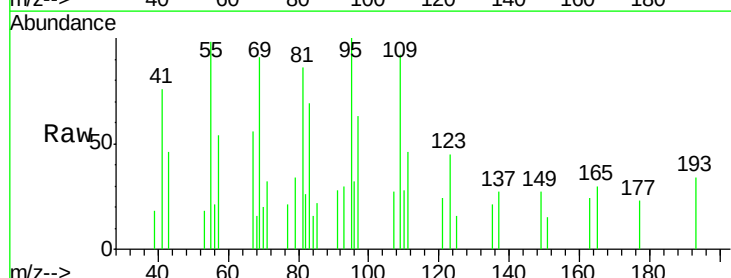
Tgt Ion:165 Resp: 1427

Ion Ratio Lower Upper

165 100

63 0.0 37.3 55.9#

89 0.0 39.2 58.8#

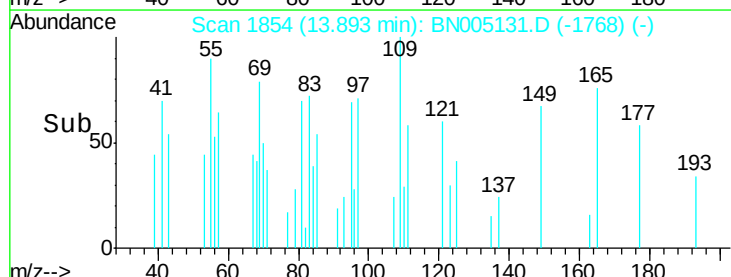


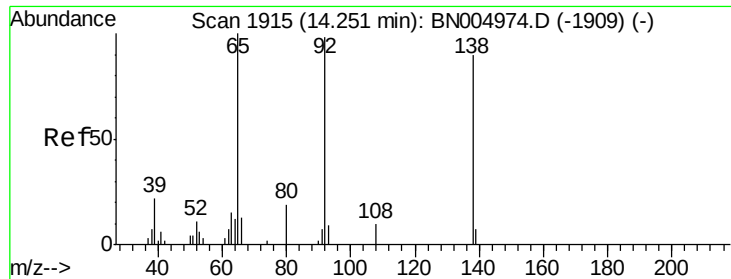
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC

Time-->





#53

3-Nitroaniline

Concen: 3.219 ng

RT: 14.25 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BN005131.D

Acq: 10 Apr 2019 17:06

Instrument :

BNA_N

ClientSampleId :

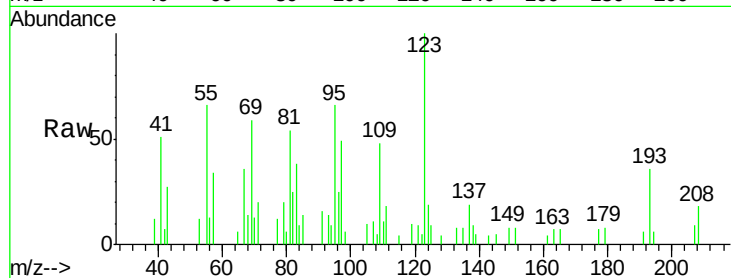
Tot Ion:138 Resp: 1019

Ion Ratio Lower Upper

138 100

108 62.1 8.6 12.8#

92 0.0 86.9 130.3#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BNC

800

600

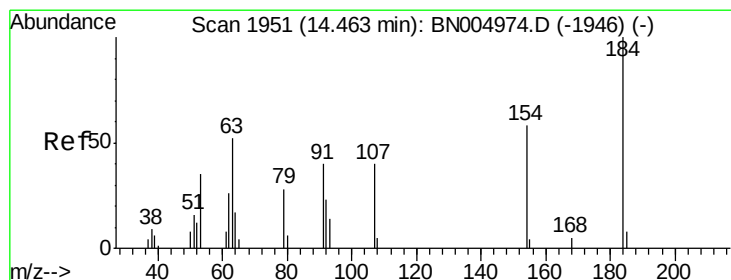
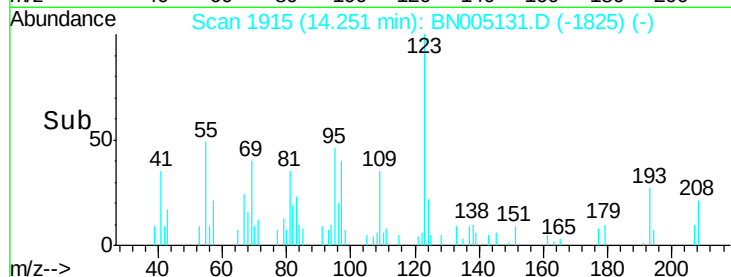
400

200

0

14.25

Time-->



#54

2,4-Dinitrophenol

Concen: 7.755 ng

RT: 14.86 min Scan# 2018

Delta R.T. 0.39 min

Lab File: BN005131.D

Acq: 10 Apr 2019 17:06

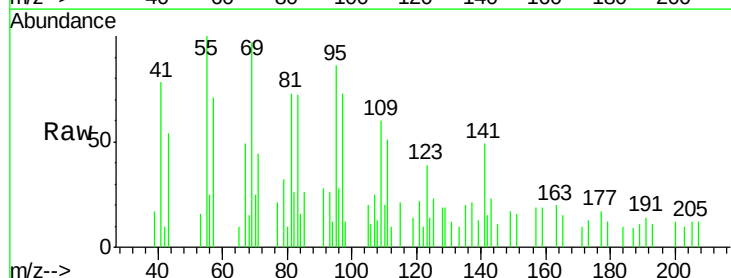
Tgt Ion:184 Resp: 111

Ion Ratio Lower Upper

184 100

63 0.0 41.6 62.4#

154 0.0 46.8 70.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 154.00 (153.70 to 154.70): E

400

300

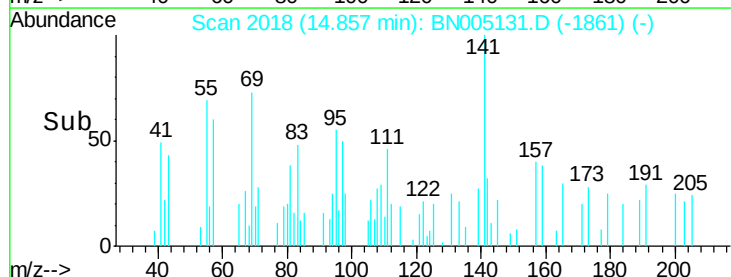
200

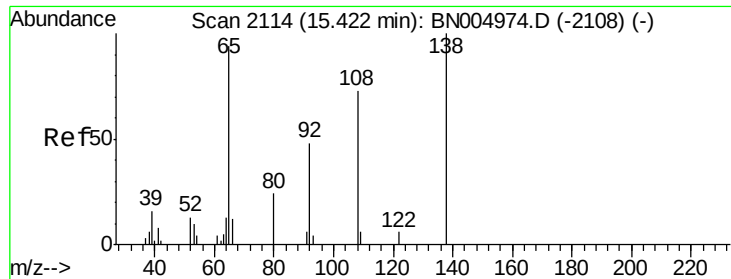
100

0

14.86

Time-->





#62

4-Nitroaniline

Concen: 7.549 ng

RT: 15.08 min Scan# 2056

Delta R.T. -0.34 min

Lab File: BN005131.D

Acq: 10 Apr 2019 17:06

Instrument :

BNA_N

ClientSampleId :

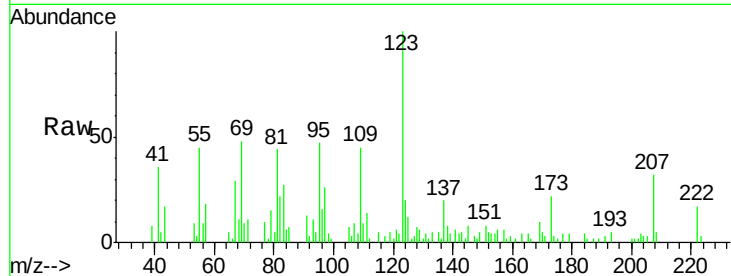
Tot Ion:138 Resp: 2401

Ion Ratio Lower Upper

138 100

92 32.4 26.4 66.4

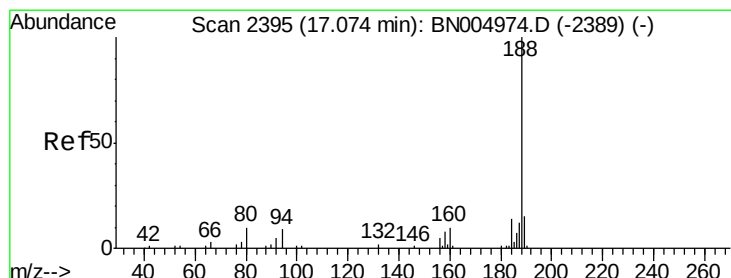
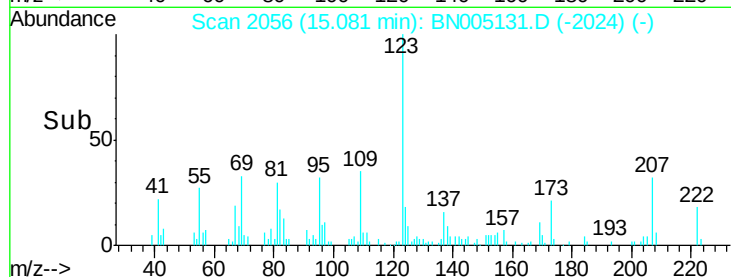
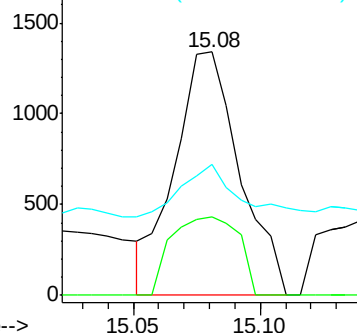
108 53.6 50.8 90.8



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNC

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2392

Delta R.T. -0.02 min

Lab File: BN005131.D

Acq: 10 Apr 2019 17:06

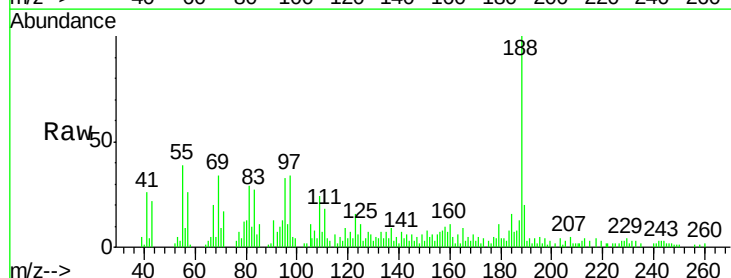
Tgt Ion:188 Resp: 34899

Ion Ratio Lower Upper

188 100

94 12.8 7.2 10.8#

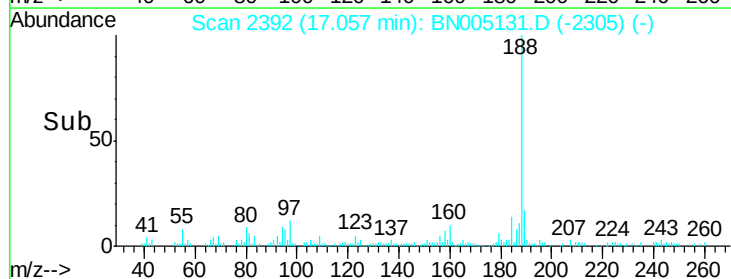
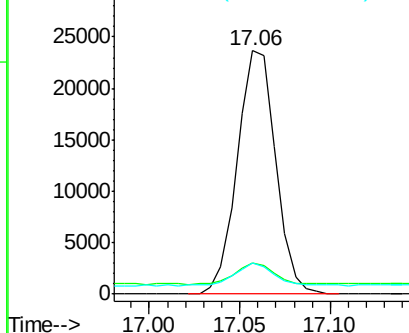
80 12.6 7.8 11.6#

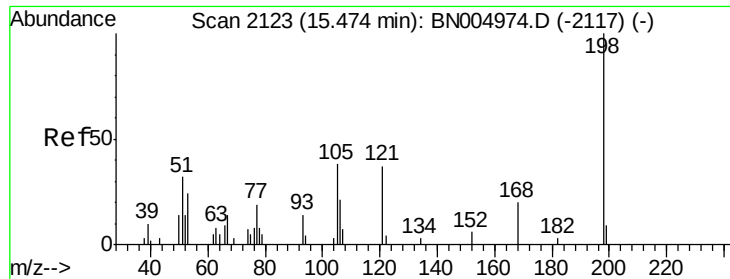


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

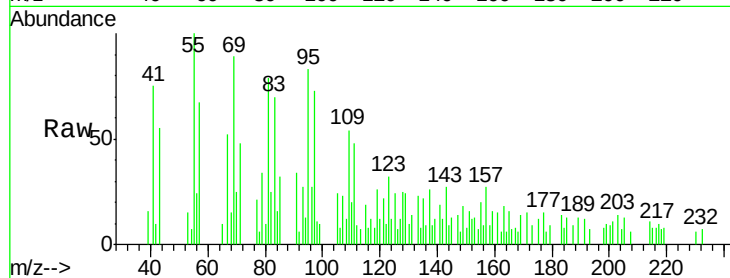




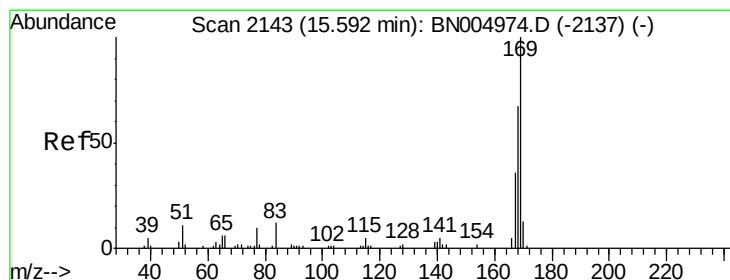
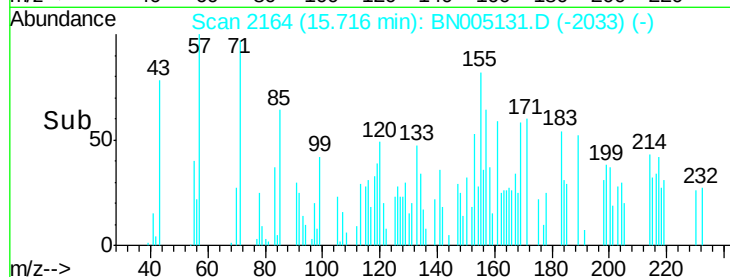
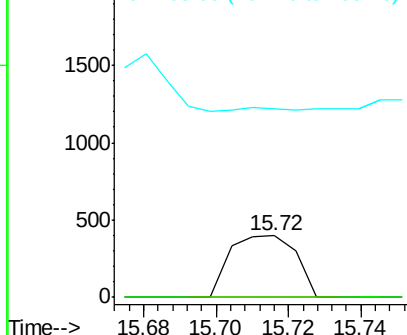
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.145 ng
 RT: 15.72 min Scan# 2164
 Delta R.T. 0.24 min
 Lab File: BN005131.D
 Acq: 10 Apr 2019 17:06

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:198 Resp: 502
 Ion Ratio Lower Upper
 198 100
 51 0.0 12.0 52.0#
 105 306.3 17.6 57.6#

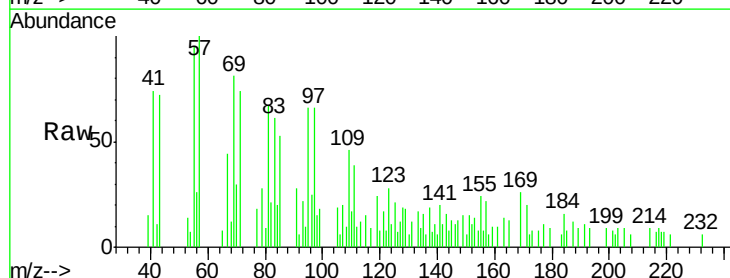


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BNO
 Ion 105.00 (104.70 to 105.70): E

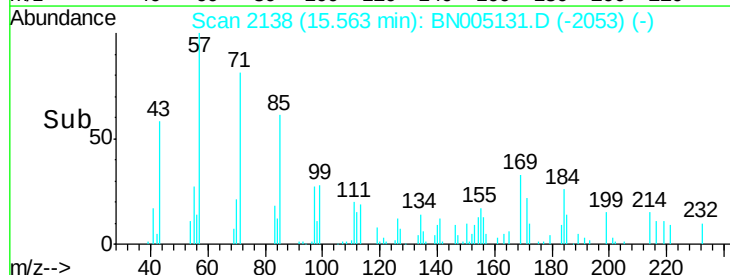
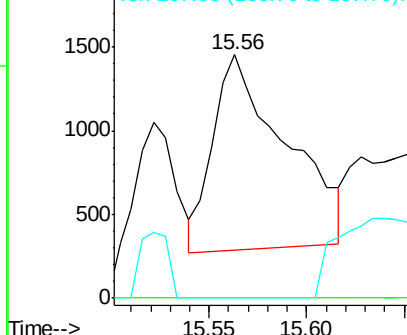


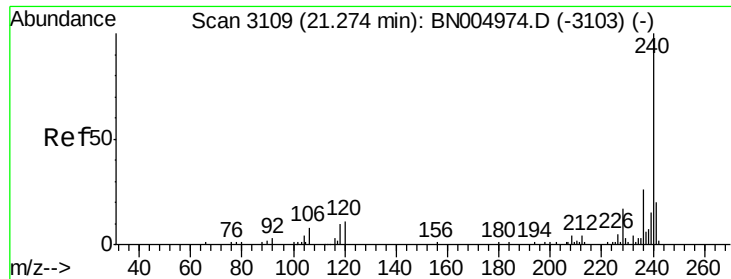
#66
 n-Nitrosodiphenylamine
 Concen: 2.773 ng
 RT: 15.56 min Scan# 2138
 Delta R.T. -0.03 min
 Lab File: BN005131.D
 Acq: 10 Apr 2019 17:06

Tgt Ion:169 Resp: 3048
 Ion Ratio Lower Upper
 169 100
 168 0.0 53.4 80.2#
 167 0.0 28.9 43.3#



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

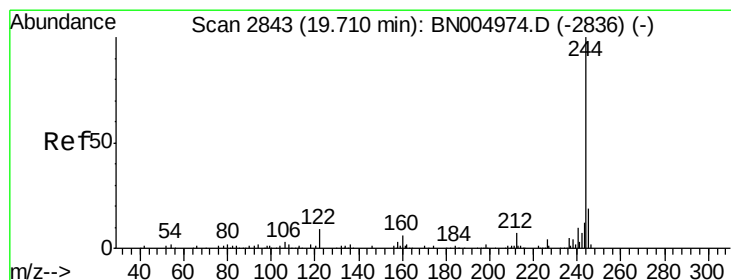
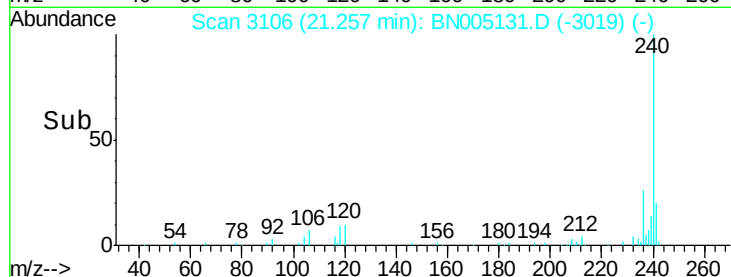
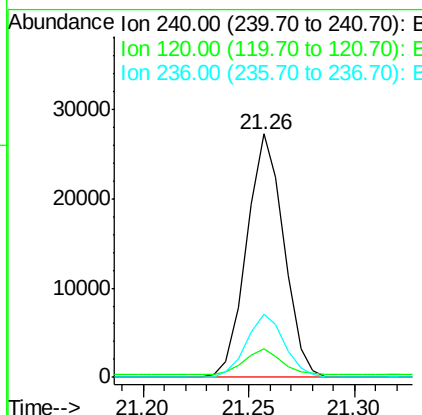
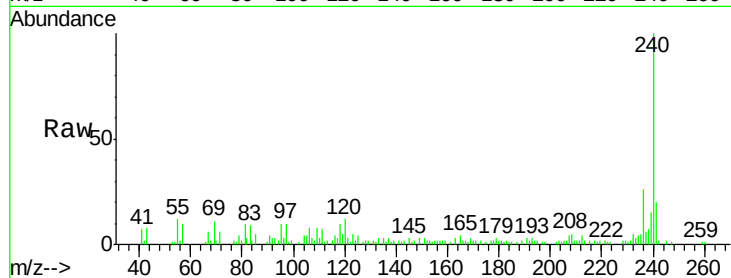




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.26 min Scan# 3106
 Delta R.T. -0.02 min
 Lab File: BN005131.D
 Acq: 10 Apr 2019 17:06

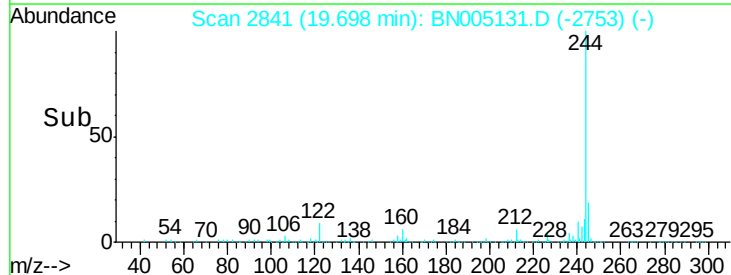
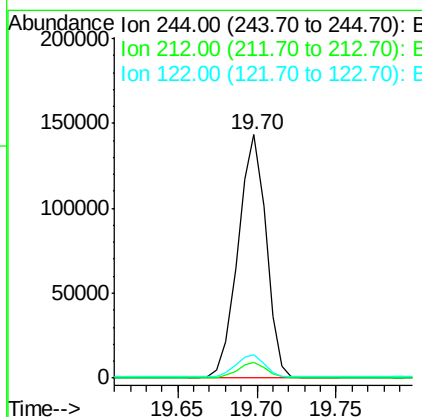
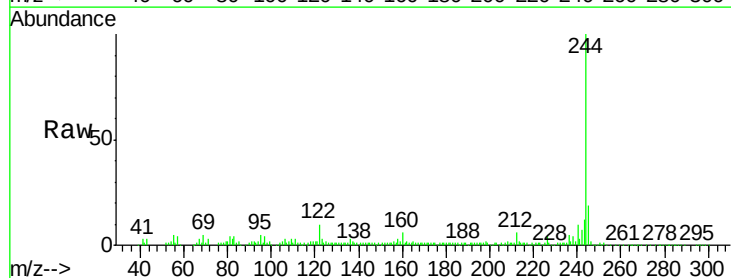
Instrument :
 BNA_N
 ClientSampleId :

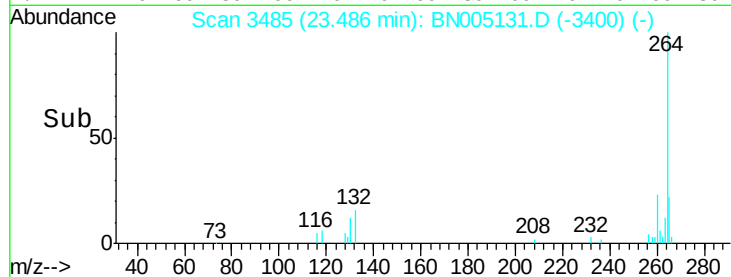
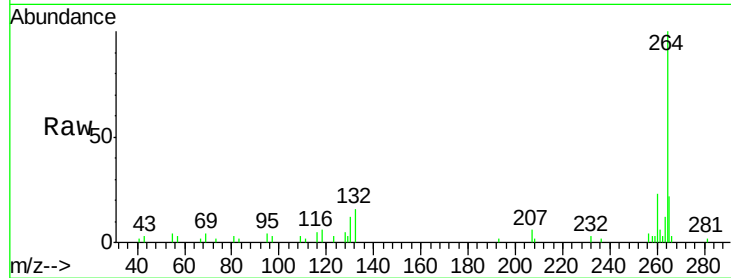
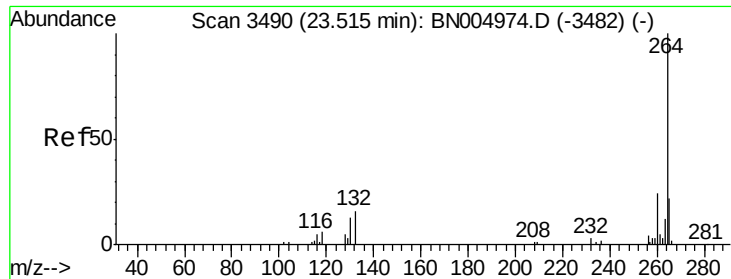
Tot Ion:240 Resp: 33316
 Ion Ratio Lower Upper
 240 100
 120 11.5 8.5 12.7
 236 25.8 21.2 31.8



#79
 Terphenyl-d14
 Concen: 101.689 ng
 RT: 19.70 min Scan# 2841
 Delta R.T. -0.01 min
 Lab File: BN005131.D
 Acq: 10 Apr 2019 17:06

Tgt Ion:244 Resp: 175971
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 9.6 7.4 11.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.49 min Scan# 3485

Delta R.T. -0.03 min

Lab File: BN005131.D

Acq: 10 Apr 2019 17:06

Instrument :

BNA_N

ClientSampleId :

Tot Ion:264 Resp: 32221

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 21.9 17.2 25.8

