

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN040319\
 Data File : BN005079.D
 Acq On : 04 Apr 2019 03:08
 Operator : JU/SJ
 Sample : K2213-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S9A-S9B-S9C

Quant Time: Apr 04 04:31:32 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

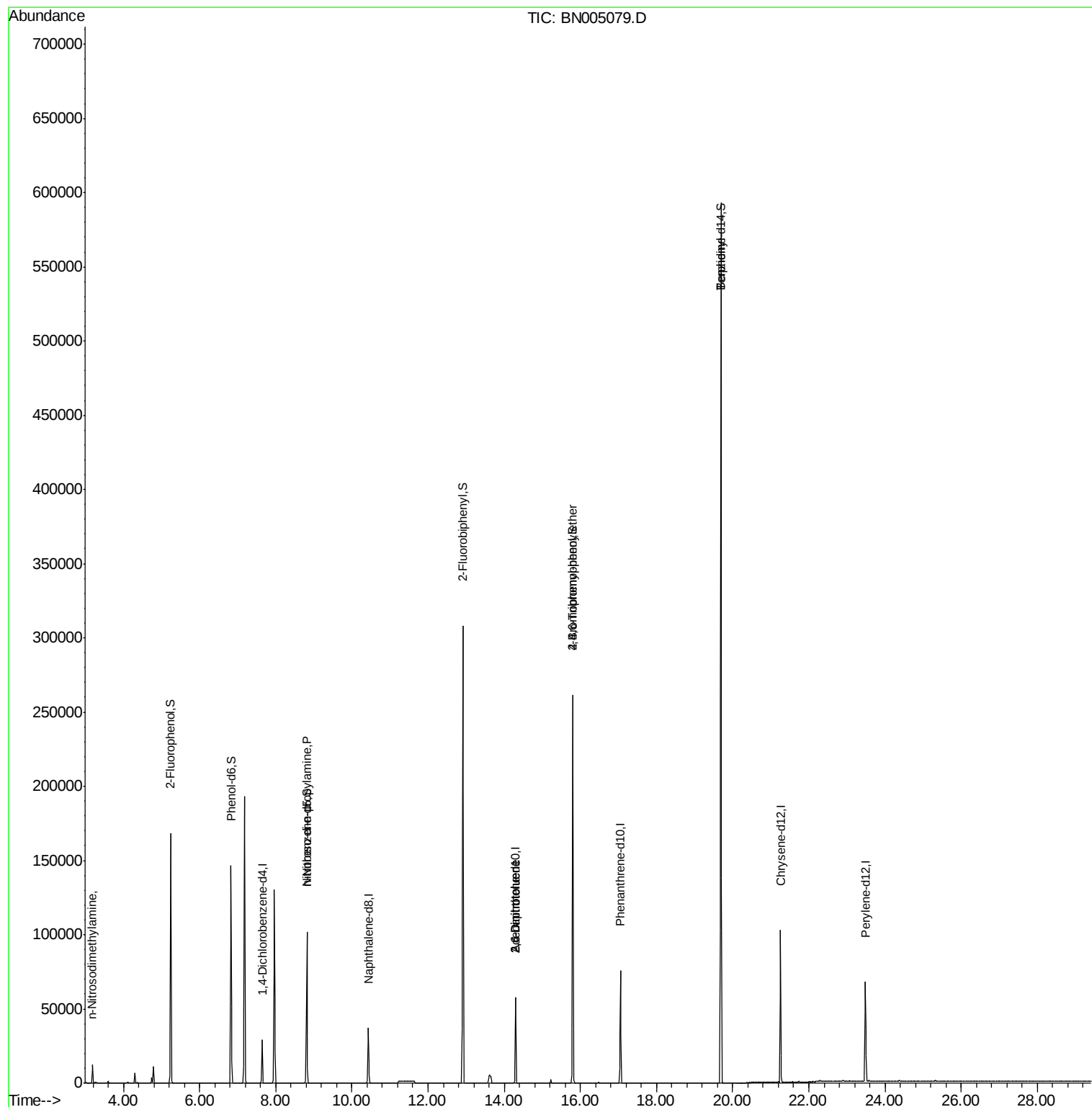
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	9121	20.00	ng	-0.03
21) Naphthalene-d8	10.43	136	36057	20.00	ng	-0.03
39) Acenaphthene-d10	14.30	164	21161	20.00	ng	-0.03
64) Phenanthrene-d10	17.05	188	47855	20.00	ng	-0.02
76) Chrysene-d12	21.25	240	53729	20.00	ng	-0.02
87) Perylene-d12	23.49	264	53296	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	76530	145.06	ng	-0.03
7) Phenol-d6	6.83	99	91303	130.48	ng	-0.03
23) Nitrobenzene-d5	8.82	82	60747	101.91	ng	-0.03
42) 2,4,6-Tribromophenol	15.80	330	59969	175.71	ng	-0.02
45) 2-Fluorobiphenyl	12.92	172	168895	105.76	ng	-0.02
79) Terphenyl-d14	19.69	244	290521	104.10	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	3.19	42	667	3.808	ng	# 1
19) n-Nitroso-di-n-propylamine	8.82	70	7655	16.688	ng	# 74
51) 2,6-Dinitrotoluene	14.30	165	2686	6.790	ng	# 29
57) 2,4-Dinitrotoluene	14.30	165	2686	4.996	ng	# 27
67) 4-Bromophenyl-phenylether	15.80	248	3568	5.975	ng	# 1
77) Benzidine	19.69	184	3447	2.059	ng	# 83

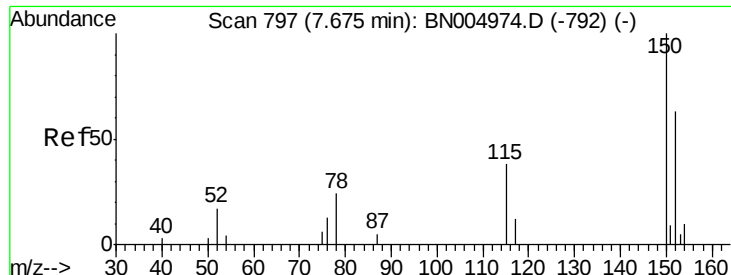
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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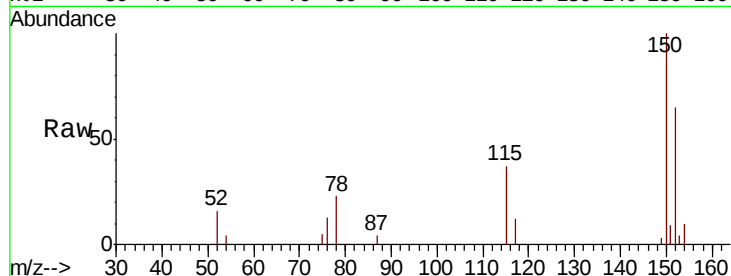


#1

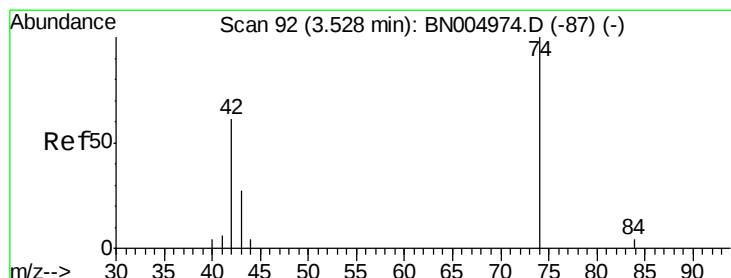
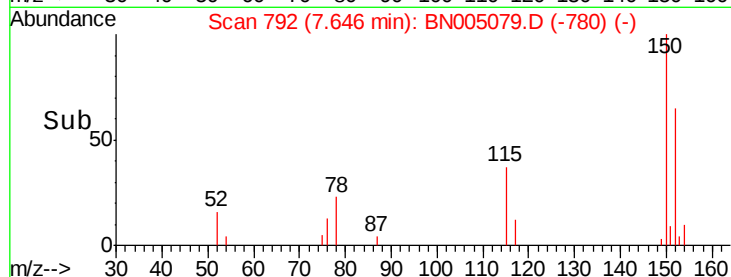
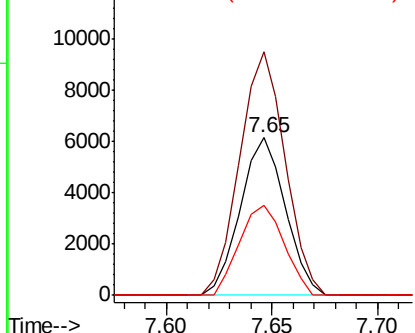
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 792
Delta R.T. -0.03 min
Lab File: BN005079.D
Acq: 04 Apr 2019 03:08

Instrument :
BNA_N
ClientSampleId :
S9A-S9B-S9C

Tgt Ion:152 Resp: 9121
Ion Ratio Lower Upper
152 100
150 154.3 126.9 190.3
115 56.9 47.8 71.6



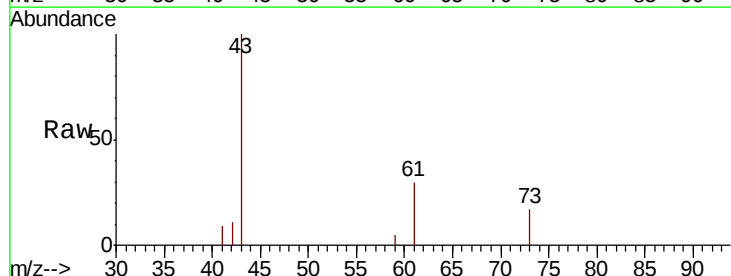
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



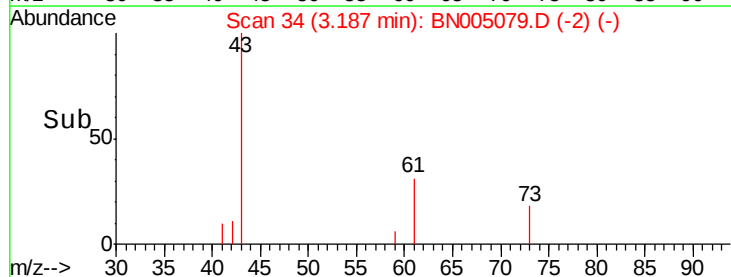
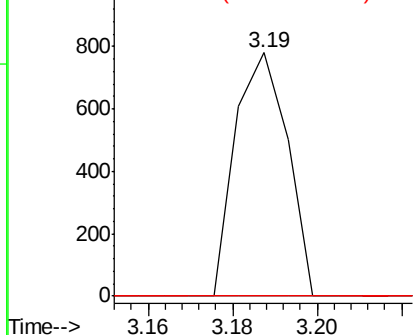
#4

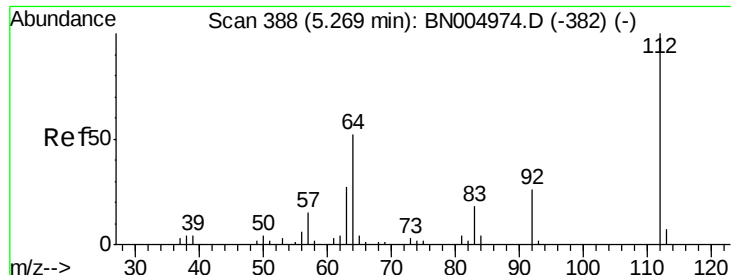
n-Nitrosodimethylamine
Concen: 3.808 ng
RT: 3.19 min Scan# 34
Delta R.T. -0.34 min
Lab File: BN005079.D
Acq: 04 Apr 2019 03:08

Tgt Ion: 42 Resp: 667
Ion Ratio Lower Upper
42 100
74 0.0 130.8 196.2#
44 0.0 5.7 8.5#



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





#5

2-Fluorophenol

Concen: 145.064 ng

RT: 5.24 min Scan# 383

Delta R.T. -0.03 min

Lab File: BN005079.D

Acq: 04 Apr 2019 03:08

Instrument :

BNA_N

ClientSampleId :

S9A-S9B-S9C

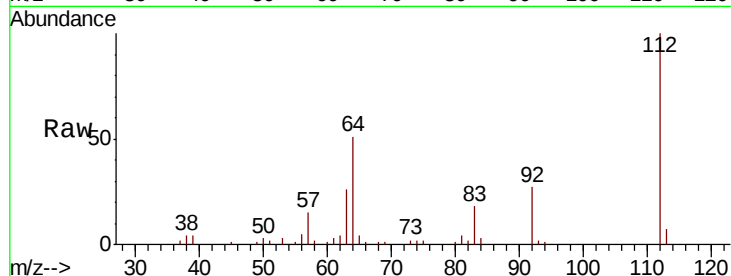
Tgt Ion: 112 Resp: 76530

Ion Ratio Lower Upper

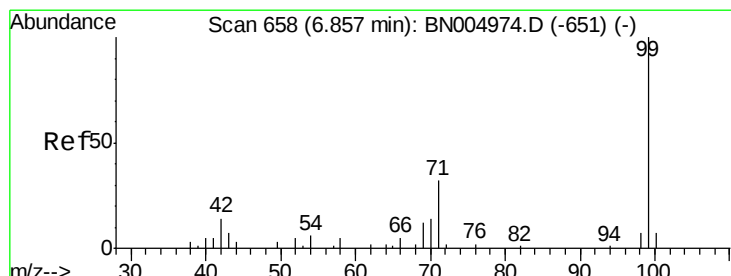
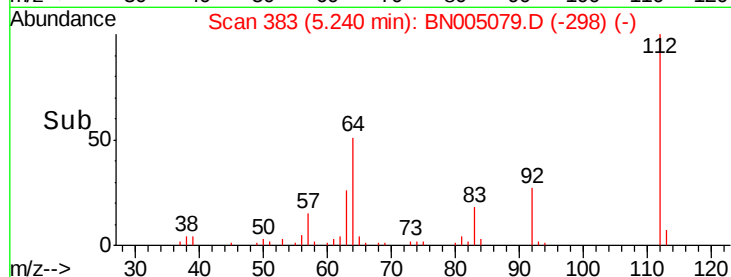
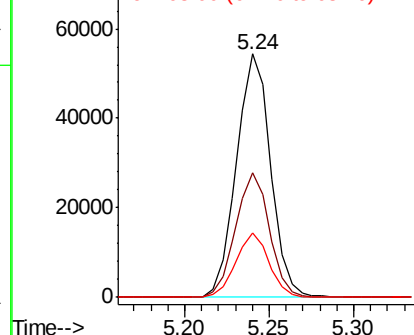
112 100

64 51.4 41.9 62.9

63 26.3 21.4 32.0



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



#7

Phenol-d6

Concen: 130.484 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.03 min

Lab File: BN005079.D

Acq: 04 Apr 2019 03:08

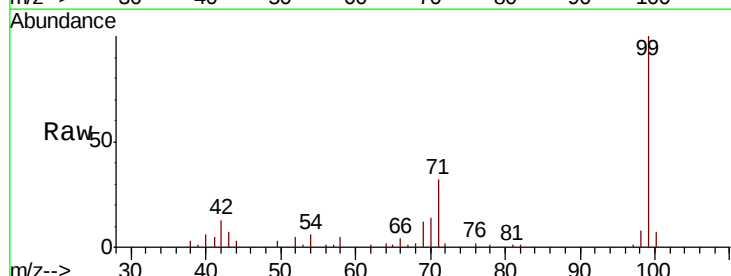
Tgt Ion: 99 Resp: 91303

Ion Ratio Lower Upper

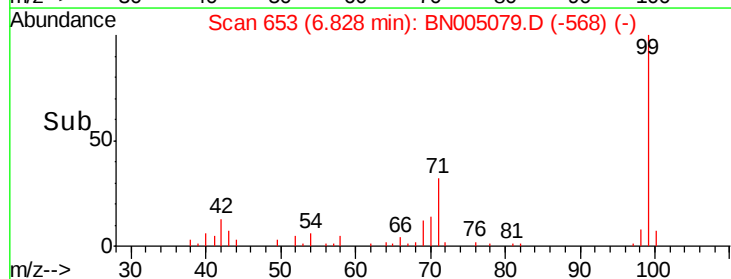
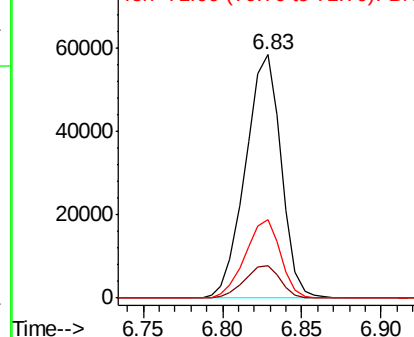
99 100

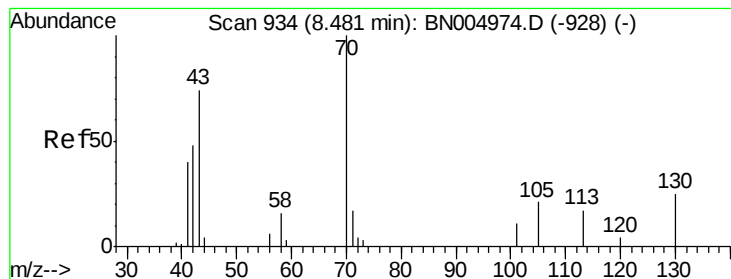
42 13.3 11.4 17.0

71 32.3 25.8 38.8



Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC





#19

n-Nitroso-di-n-propylamine

Concen: 16.688 ng

RT: 8.82 min Scan# 991

Delta R.T. 0.34 min

Lab File: BN005079.D

Acq: 04 Apr 2019 03:08

Instrument :

BNA_N

ClientSampleId :

S9A-S9B-S9C

Tgt Ion: 70 Resp: 7655

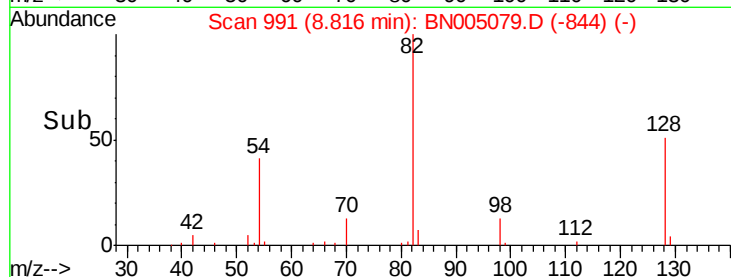
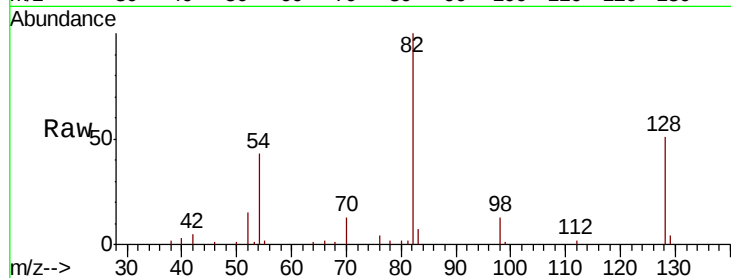
Ion Ratio Lower Upper

70 100

42 39.2 38.4 57.6

101 0.0 8.8 13.2#

130 0.0 19.8 29.8#

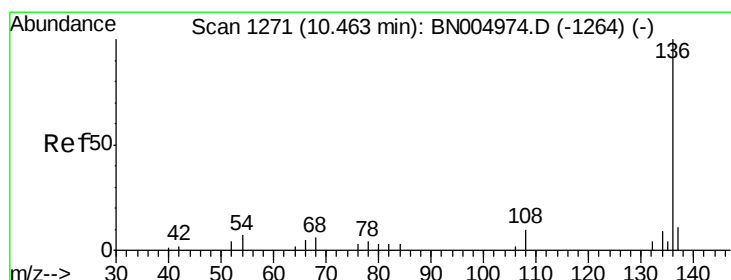
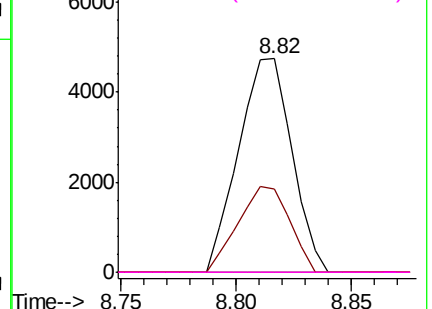


Abundance Ion 70.00 (69.70 to 70.70): BN005079.D (-844) (-)

Ion 42.00 (41.70 to 42.70): BN005079.D (-844) (-)

Ion 101.00 (100.70 to 101.70): BN005079.D (-844) (-)

Ion 130.00 (129.70 to 130.70): BN005079.D (-844) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1265

Delta R.T. -0.03 min

Lab File: BN005079.D

Acq: 04 Apr 2019 03:08

Tgt Ion: 136 Resp: 36057

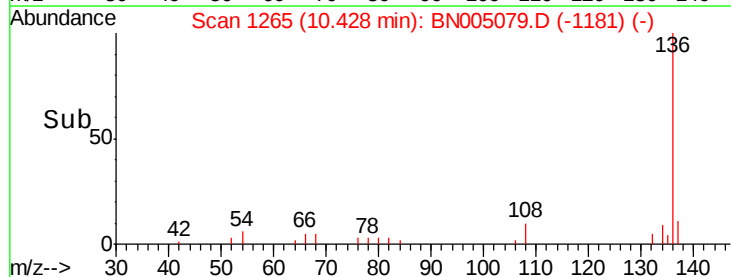
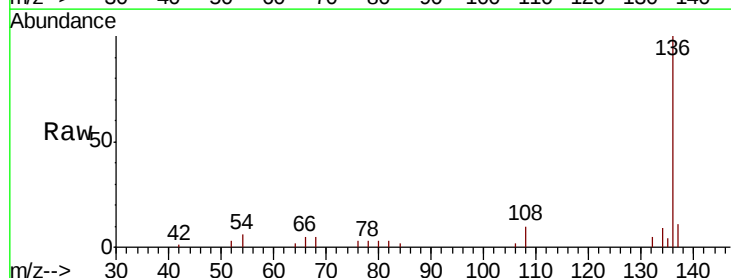
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.4 5.3 7.9

68 5.3 4.6 6.8

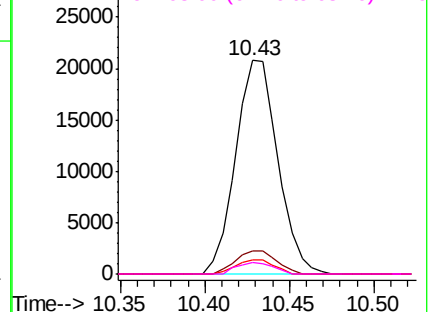


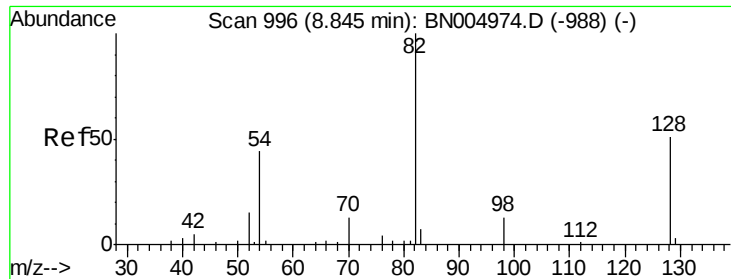
Abundance Ion 136.00 (135.70 to 136.70): BN005079.D (-1181) (-)

Ion 137.00 (136.70 to 137.70): BN005079.D (-1181) (-)

Ion 54.00 (53.70 to 54.70): BN005079.D (-1181) (-)

Ion 68.00 (67.70 to 68.70): BN005079.D (-1181) (-)

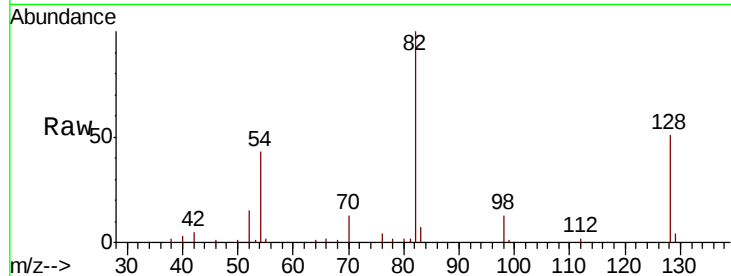




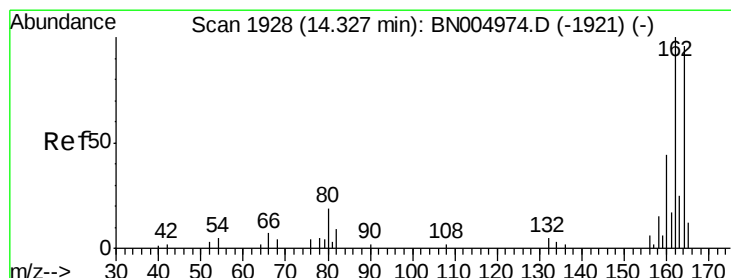
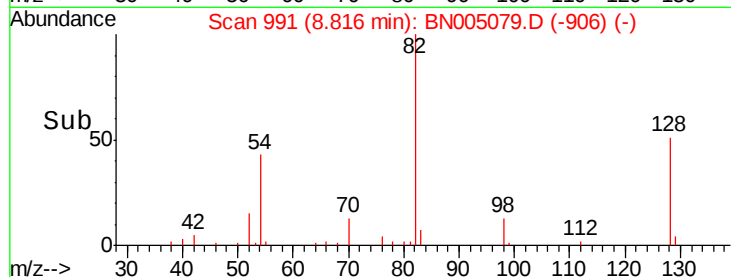
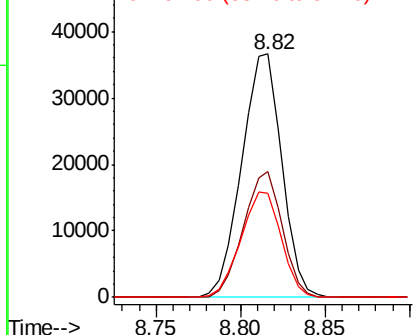
#23
 Nitrobenzene-d5
 Concen: 101.913 ng
 RT: 8.82 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BN005079.D
 Acq: 04 Apr 2019 03:08

Instrument :
 BNA_N
 ClientSampleId :
 S9A-S9B-S9C

Tgt Ion: 82 Resp: 60747
 Ion Ratio Lower Upper
 82 100
 128 51.5 40.6 60.8
 54 42.9 35.2 52.8

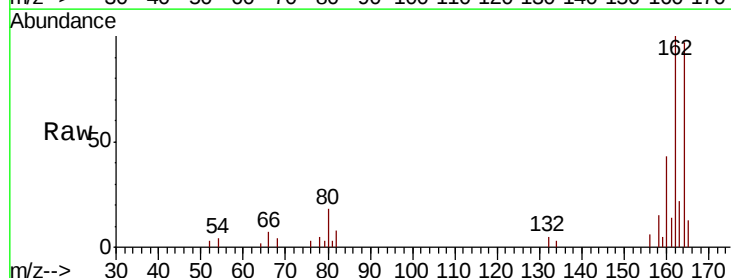


Abundance Ion 82.00 (81.70 to 82.70): BNC
 Ion 128.00 (127.70 to 128.70): BNC
 Ion 54.00 (53.70 to 54.70): BNC

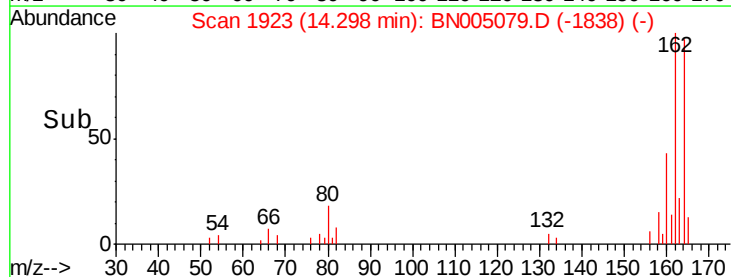
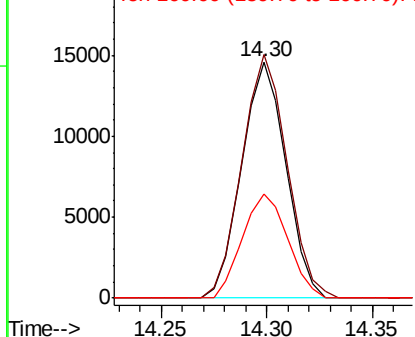


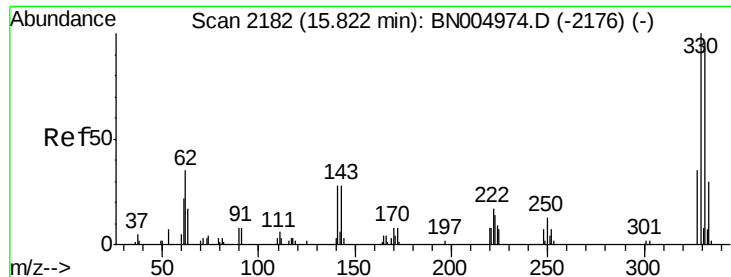
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. -0.03 min
 Lab File: BN005079.D
 Acq: 04 Apr 2019 03:08

Tgt Ion: 164 Resp: 21161
 Ion Ratio Lower Upper
 164 100
 162 103.0 83.4 125.0
 160 44.3 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: 175.714 ng

RT: 15.80 min Scan# 2178

Delta R.T. -0.02 min

Lab File: BN005079.D

Acq: 04 Apr 2019 03:08

Instrument :

BNA_N

ClientSampleId :

S9A-S9B-S9C

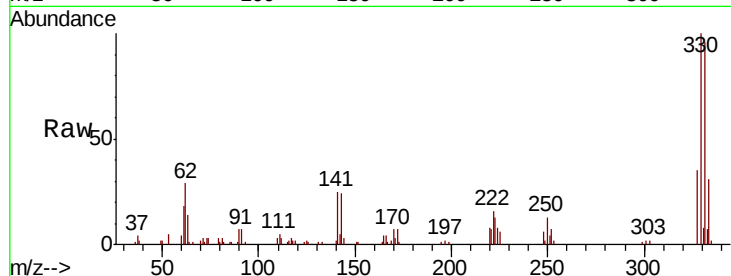
Tgt Ion:330 Resp: 59969

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.0

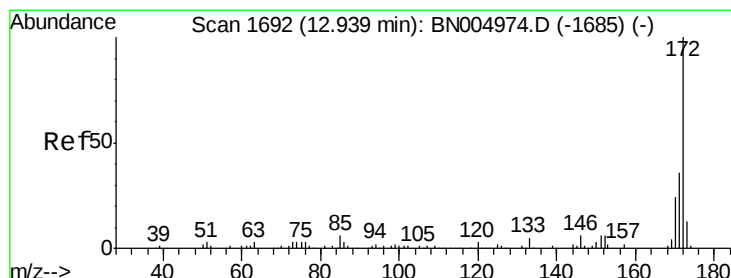
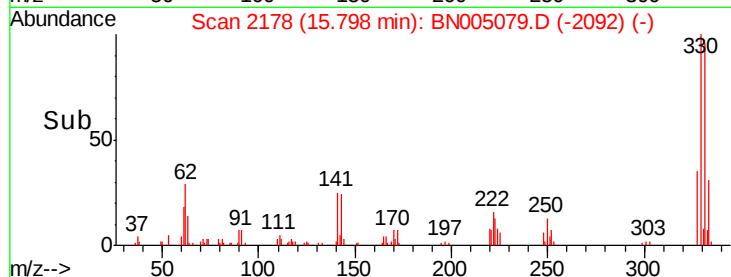
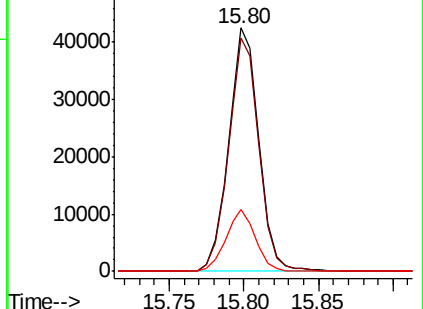
141 24.7 22.1 33.1



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: 105.764 ng

RT: 12.92 min Scan# 1688

Delta R.T. -0.02 min

Lab File: BN005079.D

Acq: 04 Apr 2019 03:08

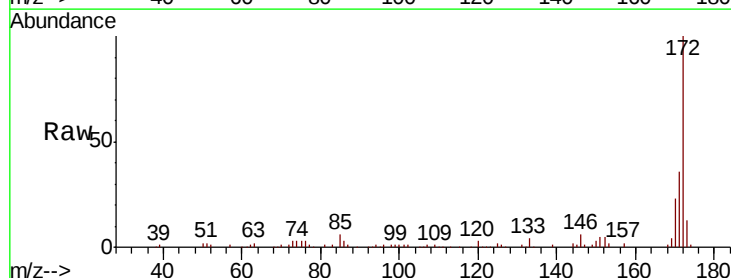
Tgt Ion:172 Resp: 168895

Ion Ratio Lower Upper

172 100

171 36.2 28.6 42.8

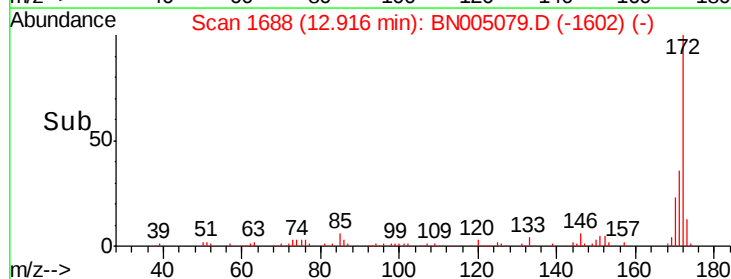
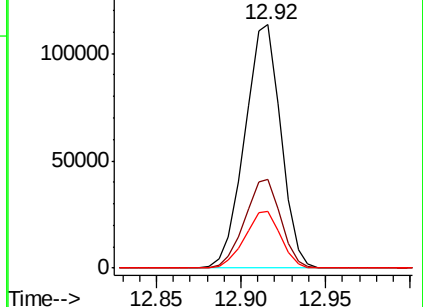
170 23.4 18.9 28.3

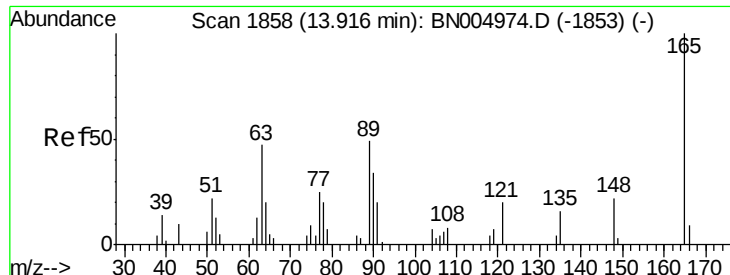


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

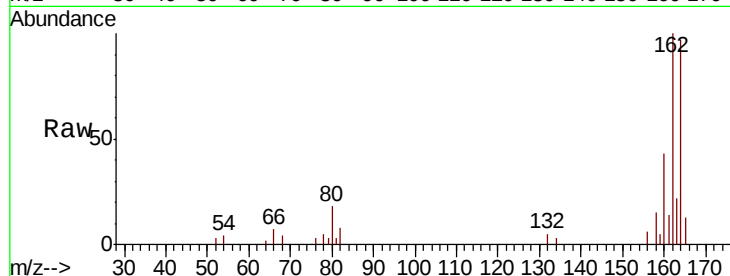




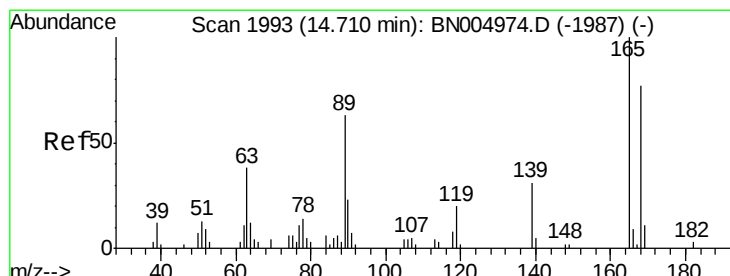
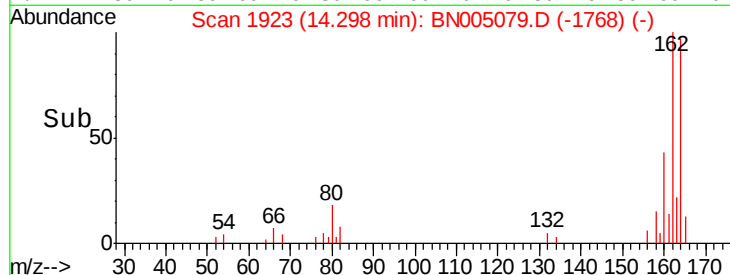
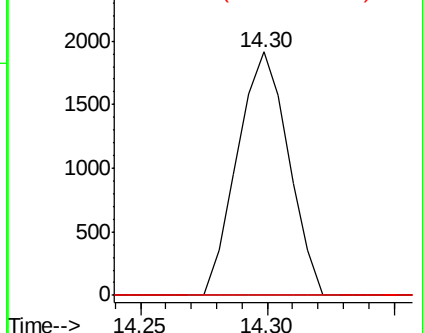
#51
 2,6-Dinitrotoluene
 Concen: 6.790 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. 0.38 min
 Lab File: BN005079.D
 Acq: 04 Apr 2019 03:08

Instrument :
 BNA_N
 ClientSampleId :
 S9A-S9B-S9C

Tgt Ion:165 Resp: 2686
 Ion Ratio Lower Upper
 165 100
 63 0.0 37.3 55.9#
 89 0.0 39.2 58.8#



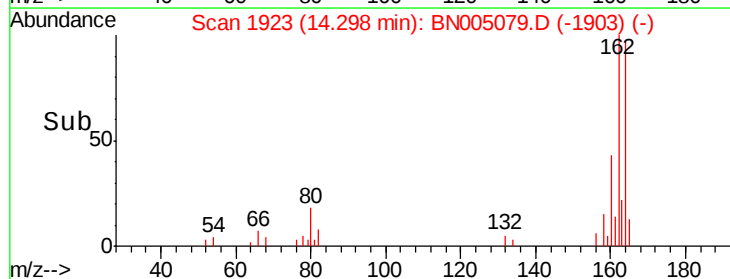
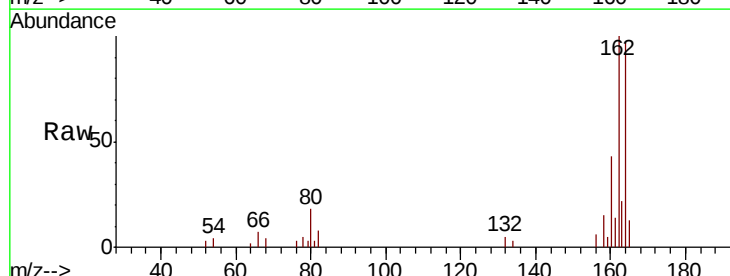
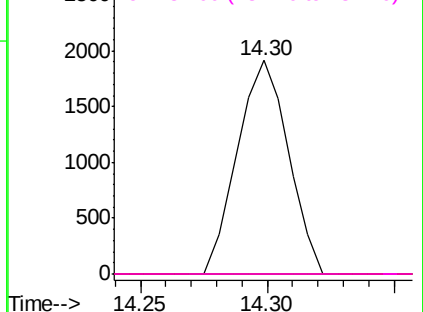
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC

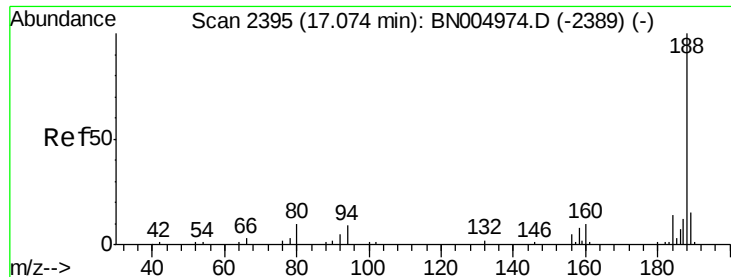


#57
 2,4-Dinitrotoluene
 Concen: 4.996 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. -0.41 min
 Lab File: BN005079.D
 Acq: 04 Apr 2019 03:08

Tgt Ion:165 Resp: 2686
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.4 45.6#
 89 0.0 50.7 76.1#
 182 0.0 2.5 3.7#

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
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2391

Delta R.T. -0.02 min

Lab File: BN005079.D

Acq: 04 Apr 2019 03:08

Instrument :

BNA_N

ClientSampleId :

S9A-S9B-S9C

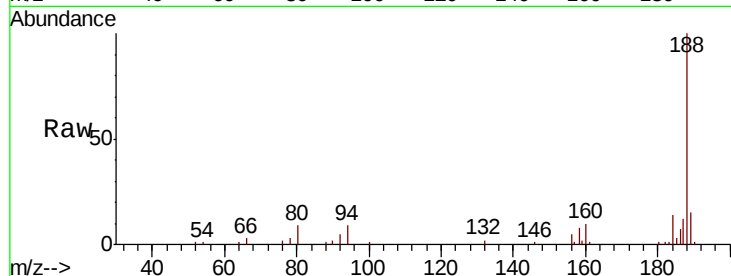
Tgt Ion:188 Resp: 47855

Ion Ratio Lower Upper

188 100

94 8.6 7.2 10.8

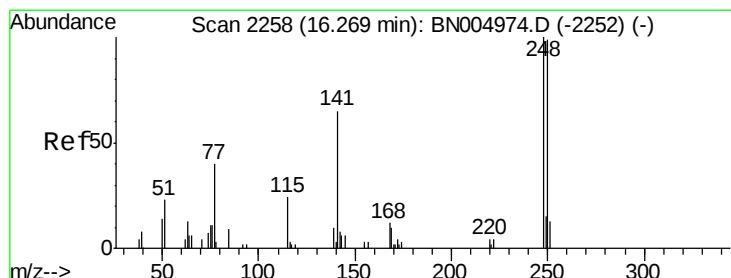
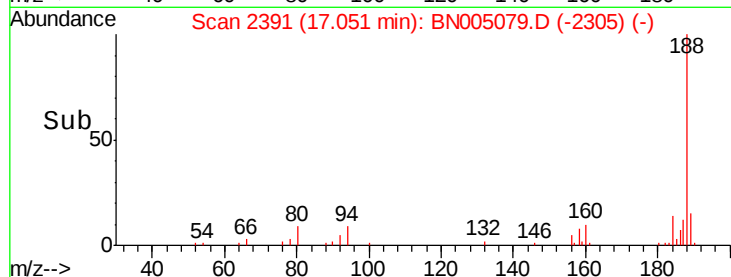
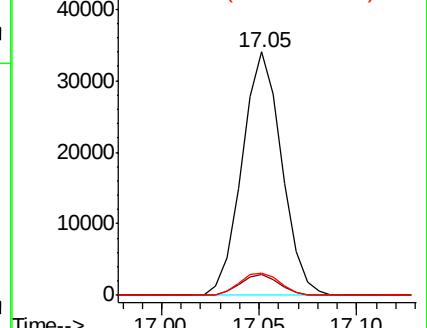
80 9.1 7.8 11.6



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



#67

4-Bromophenyl-phenylether

Concen: 5.975 ng

RT: 15.80 min Scan# 2178

Delta R.T. -0.47 min

Lab File: BN005079.D

Acq: 04 Apr 2019 03:08

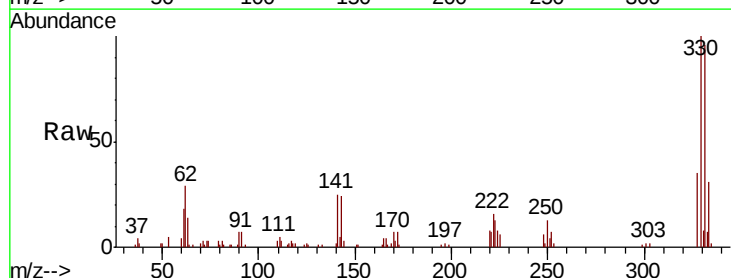
Tgt Ion:248 Resp: 3568

Ion Ratio Lower Upper

248 100

250 203.2 79.4 119.2#

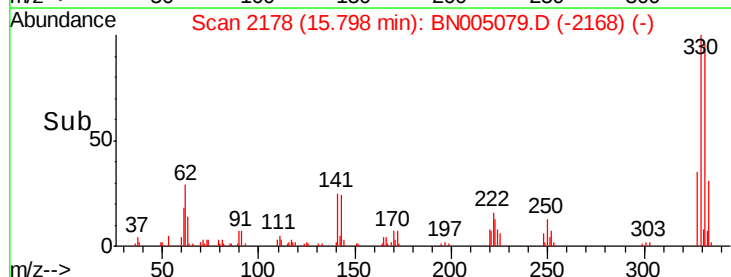
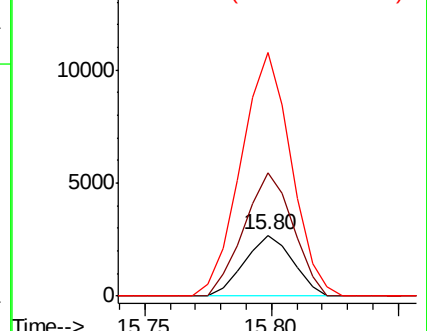
141 400.3 52.3 78.5#

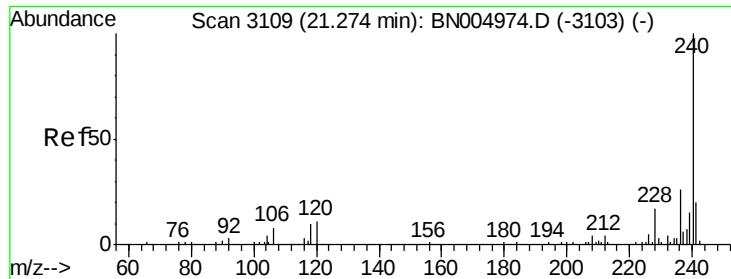


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.02 min

Lab File: BN005079.D

Acq: 04 Apr 2019 03:08

Instrument :

BNA_N

ClientSampleId :

S9A-S9B-S9C

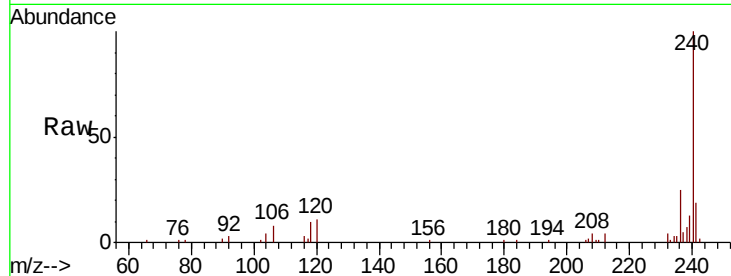
Tgt Ion:240 Resp: 53729

Ion Ratio Lower Upper

240 100

120 10.7 8.5 12.7

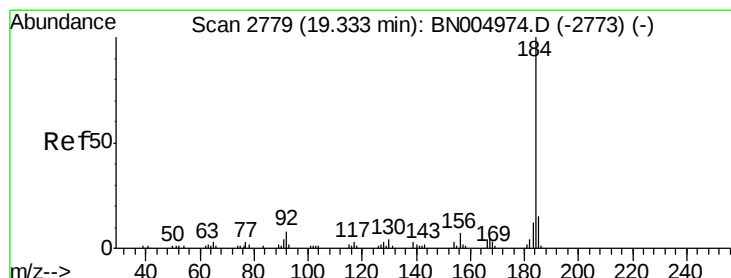
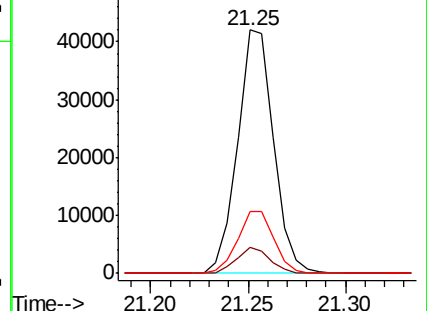
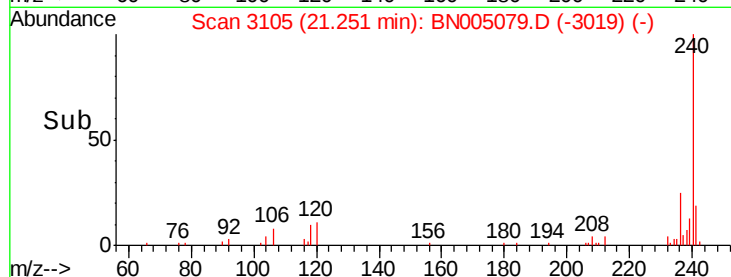
236 25.2 21.2 31.8



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



#77

Benzidine

Concen: 2.059 ng

RT: 19.69 min Scan# 2840

Delta R.T. 0.36 min

Lab File: BN005079.D

Acq: 04 Apr 2019 03:08

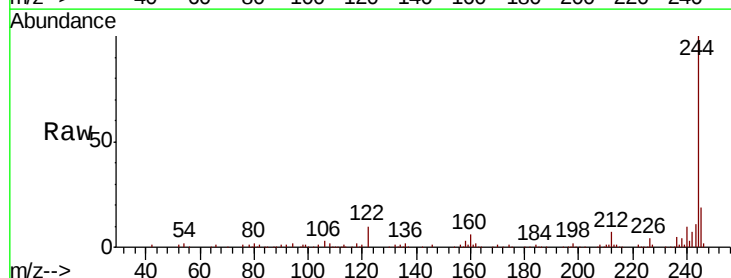
Tgt Ion:184 Resp: 3447

Ion Ratio Lower Upper

184 100

185 16.8 11.8 17.8

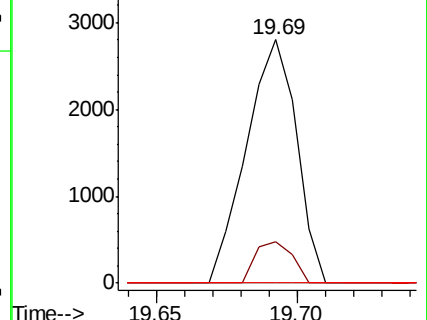
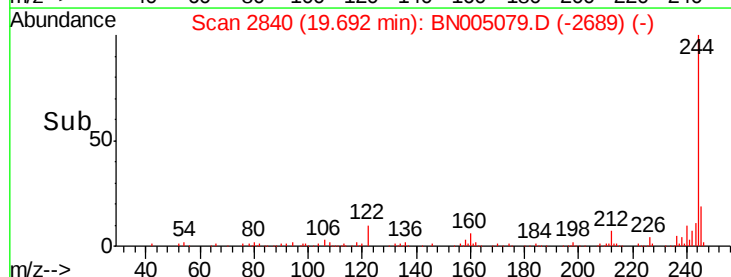
183 0.0 9.9 14.9#

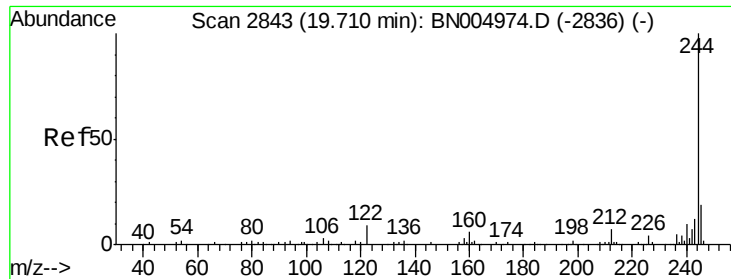


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

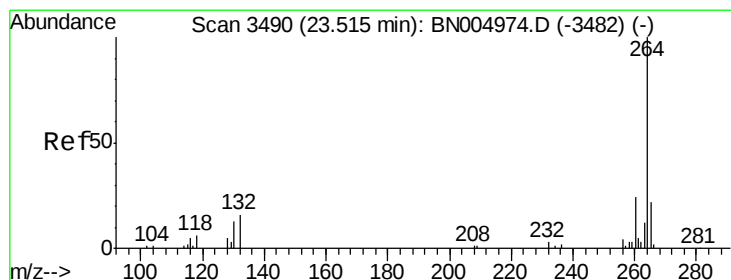
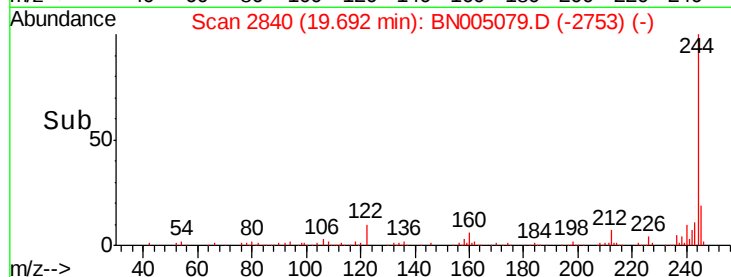
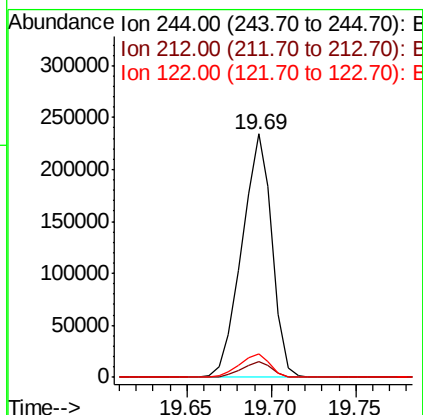
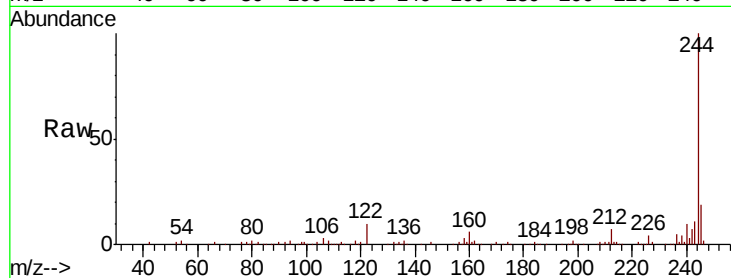




#79
 Terphenyl-d14
 Concen: 104.101 ng
 RT: 19.69 min Scan# 2840
 Delta R.T. -0.02 min
 Lab File: BN005079.D
 Acq: 04 Apr 2019 03:08

Instrument :
 BNA_N
 ClientSampleId :
 S9A-S9B-S9C

Tgt Ion:244 Resp: 290521
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 9.6 7.4 11.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.49 min Scan# 3485
 Delta R.T. -0.03 min
 Lab File: BN005079.D
 Acq: 04 Apr 2019 03:08

Tgt Ion:264 Resp: 53296
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.0 28.4
 265 21.2 17.2 25.8

