

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN040319\
 Data File : BN005075.D
 Acq On : 03 Apr 2019 23:39
 Operator : JU/SJ
 Sample : K2199-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OR-02-040219-B

Quant Time: Apr 04 04:30:42 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

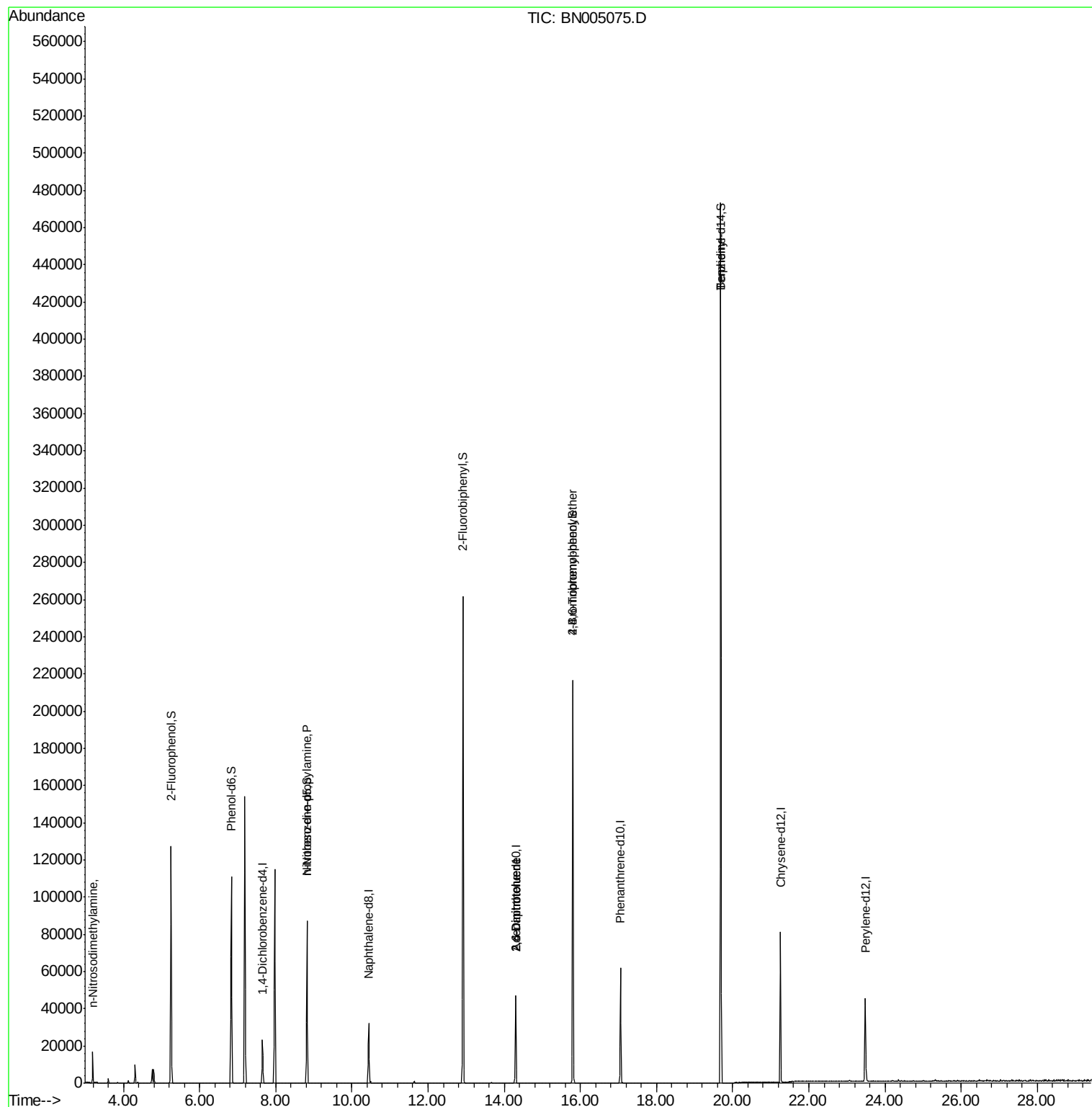
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	7665	20.00	ng	-0.02
21) Naphthalene-d8	10.44	136	30218	20.00	ng	-0.02
39) Acenaphthene-d10	14.30	164	17234	20.00	ng	-0.02
64) Phenanthrene-d10	17.05	188	39474	20.00	ng	-0.02
76) Chrysene-d12	21.25	240	40427	20.00	ng	-0.02
87) Perylene-d12	23.48	264	36680	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	61038	137.68	ng	-0.02
7) Phenol-d6	6.83	99	69584	118.33	ng	-0.02
23) Nitrobenzene-d5	8.82	82	51363	102.82	ng	-0.02
42) 2,4,6-Tribromophenol	15.80	330	49738	178.94	ng	-0.02
45) 2-Fluorobiphenyl	12.92	172	136343	104.83	ng	-0.02
79) Terphenyl-d14	19.69	244	236857	112.80	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	3.19	42	876	5.952	ng	# 1
19) n-Nitroso-di-n-propylamine	8.82	70	6558	17.012	ng	# 73
51) 2,6-Dinitrotoluene	14.30	165	2132	6.617	ng	# 29
57) 2,4-Dinitrotoluene	14.30	165	2132	4.869	ng	# 27
67) 4-Bromophenyl-phenylether	15.80	248	2883	5.853	ng	# 1
77) Benzidine	19.69	184	2668	2.118	ng	# 82

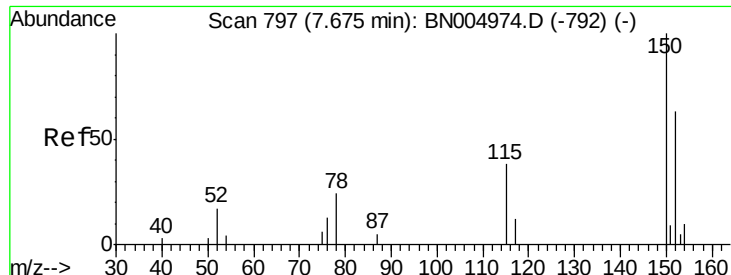
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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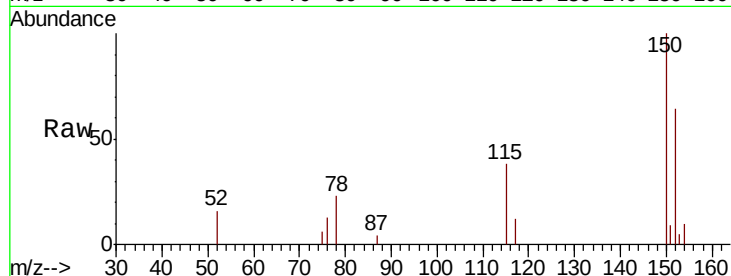


#1

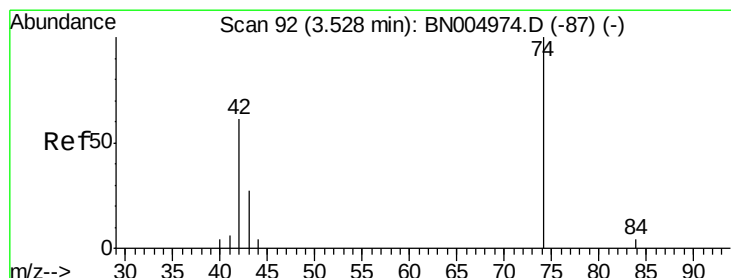
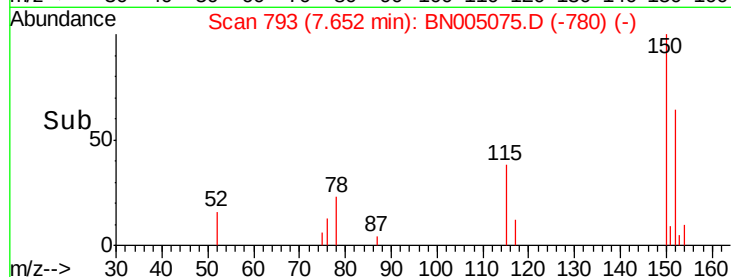
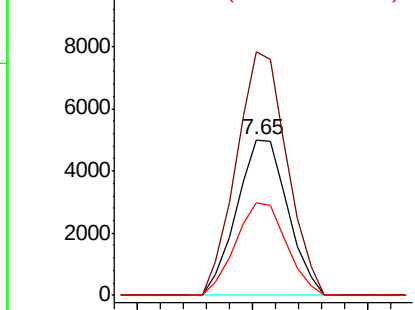
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.02 min
Lab File: BN005075.D
Acq: 03 Apr 2019 23:39

Instrument :
BNA_N
ClientSampleId :
OR-02-040219-B

Tgt Ion:152 Resp: 7665
Ion Ratio Lower Upper
152 100
150 156.7 126.9 190.3
115 60.0 47.8 71.6



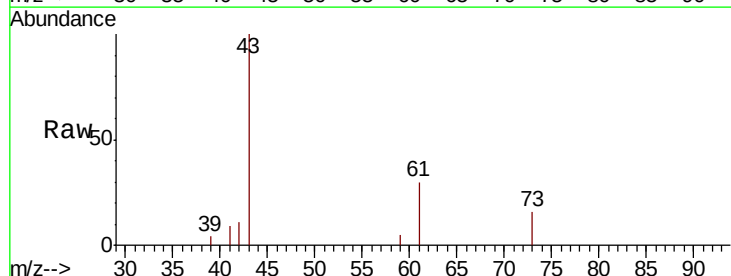
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



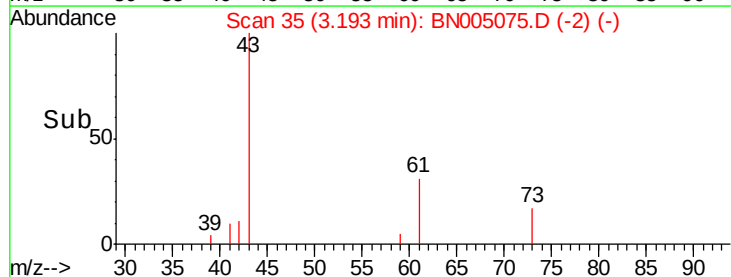
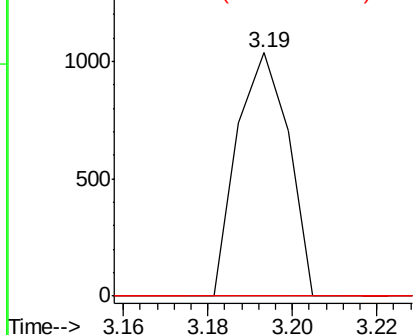
#4

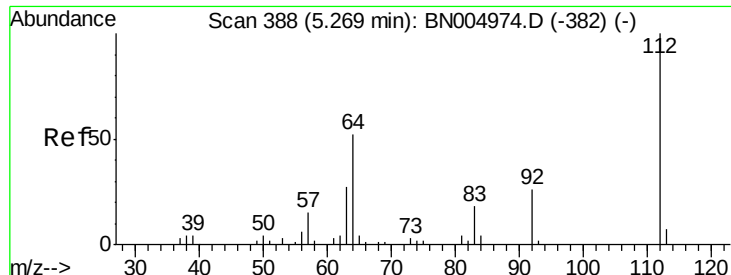
n-Nitrosodimethylamine
Concen: 5.952 ng
RT: 3.19 min Scan# 35
Delta R.T. -0.33 min
Lab File: BN005075.D
Acq: 03 Apr 2019 23:39

Tgt Ion: 42 Resp: 876
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: 137.676 ng

RT: 5.25 min Scan# 385

Delta R.T. -0.02 min

Lab File: BN005075.D

Acq: 03 Apr 2019 23:39

Instrument :

BNA_N

ClientSampleId :

OR-02-040219-B

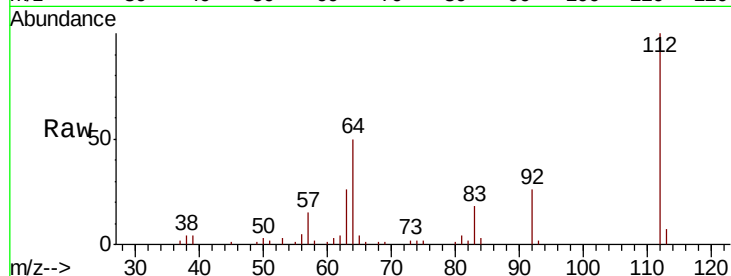
Tgt Ion: 112 Resp: 61038

Ion Ratio Lower Upper

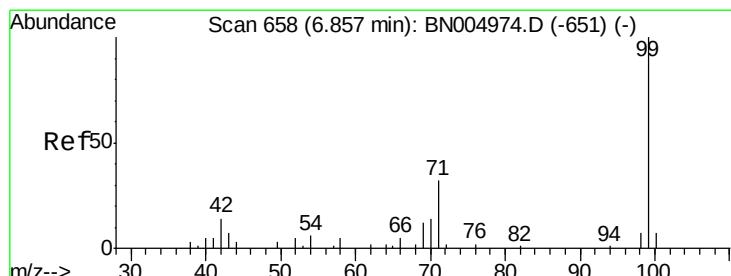
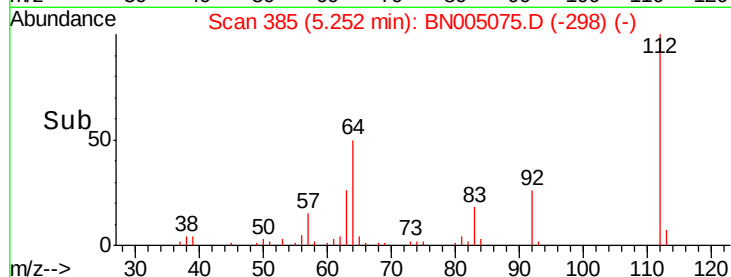
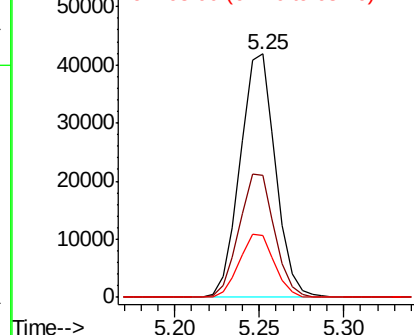
112 100

64 50.0 41.9 62.9

63 25.5 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: 118.334 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.02 min

Lab File: BN005075.D

Acq: 03 Apr 2019 23:39

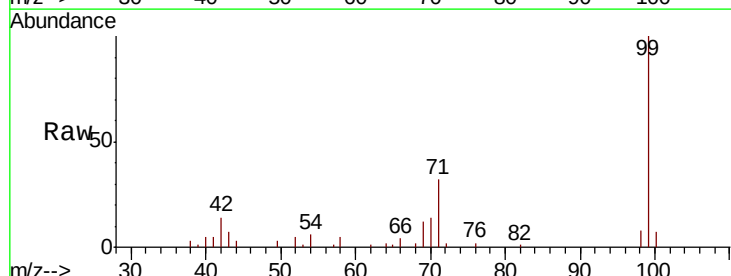
Tgt Ion: 99 Resp: 69584

Ion Ratio Lower Upper

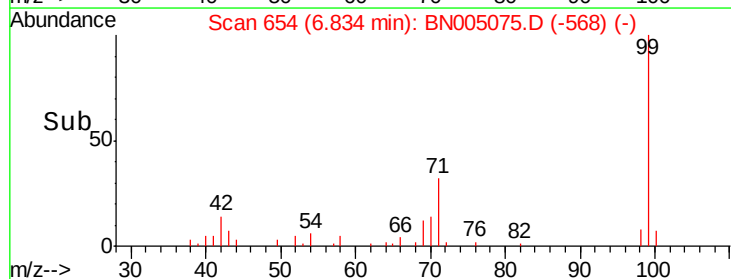
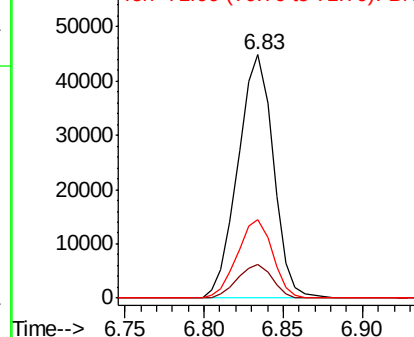
99 100

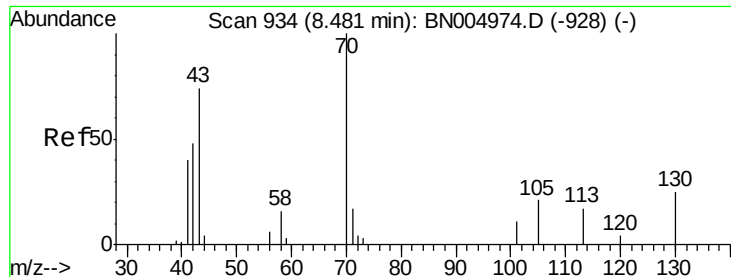
42 13.7 11.4 17.0

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: 17.012 ng

RT: 8.82 min Scan# 992

Delta R.T. 0.34 min

Lab File: BN005075.D

Acq: 03 Apr 2019 23:39

Instrument :

BNA_N

ClientSampleId :

OR-02-040219-B

Tgt Ion: 70 Resp: 6558

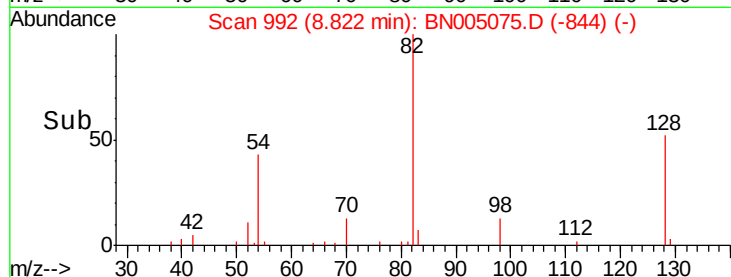
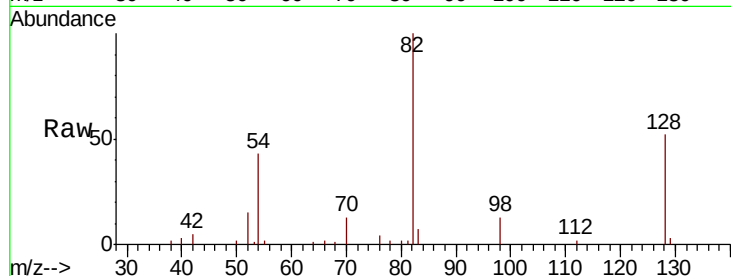
Ion Ratio Lower Upper

70 100

42 38.1 38.4 57.6#

101 0.0 8.8 13.2#

130 0.0 19.8 29.8#

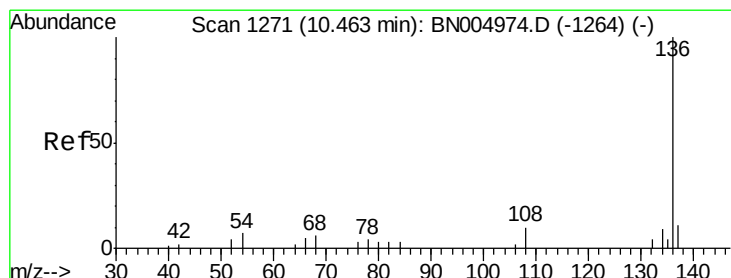
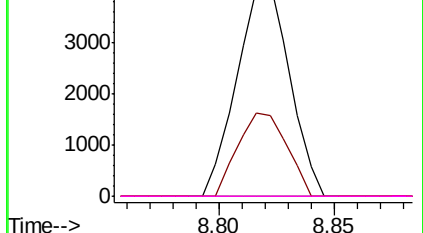


Abundance Ion 70.00 (69.70 to 70.70): BN005075.D (-844) (-)

Ion 42.00 (41.70 to 42.70): BN005075.D (-844) (-)

Ion 101.00 (100.70 to 101.70): BN005075.D (-844) (-)

Ion 130.00 (129.70 to 130.70): BN005075.D (-844) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.44 min Scan# 1267

Delta R.T. -0.02 min

Lab File: BN005075.D

Acq: 03 Apr 2019 23:39

Tgt Ion: 136 Resp: 30218

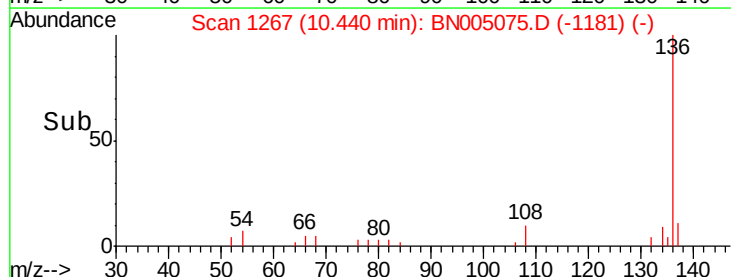
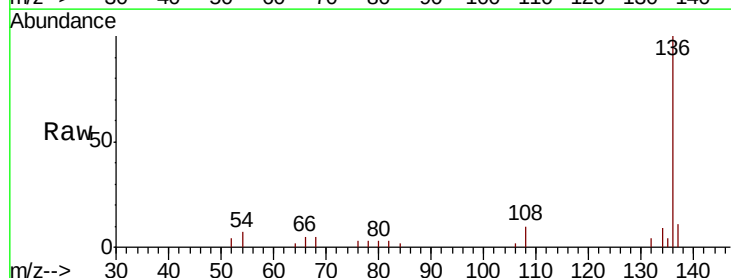
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.6 5.3 7.9

68 5.3 4.6 6.8

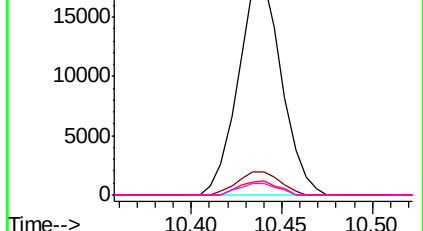


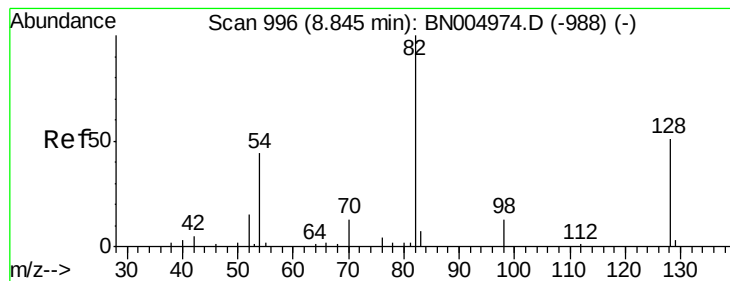
Abundance Ion 136.00 (135.70 to 136.70): BN005075.D (-1181) (-)

Ion 137.00 (136.70 to 137.70): BN005075.D (-1181) (-)

Ion 54.00 (53.70 to 54.70): BN005075.D (-1181) (-)

Ion 68.00 (67.70 to 68.70): BN005075.D (-1181) (-)





#23

Nitrobenzene-d5

Concen: 102.820 ng

RT: 8.82 min Scan# 992

Delta R.T. -0.02 min

Lab File: BN005075.D

Acq: 03 Apr 2019 23:39

Instrument :

BNA_N

ClientSampleId :

OR-02-040219-B

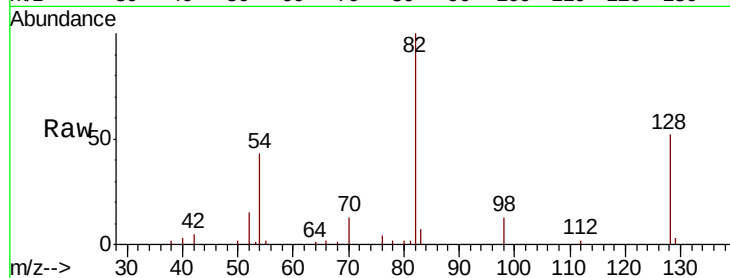
Tgt Ion: 82 Resp: 51363

Ion Ratio Lower Upper

82 100

128 51.7 40.6 60.8

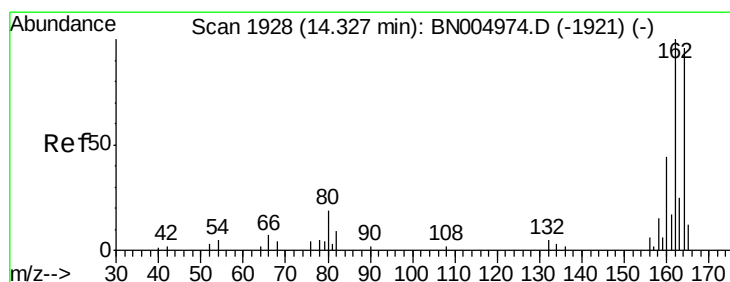
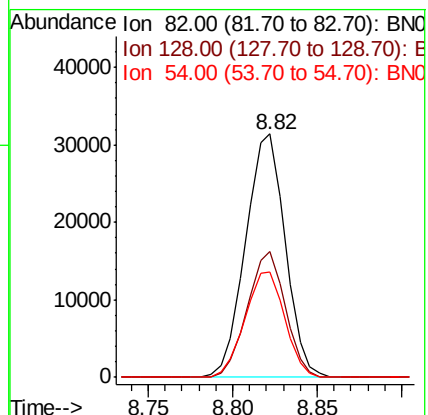
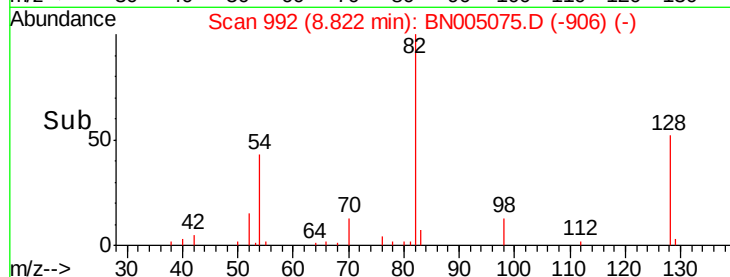
54 43.5 35.2 52.8



Abundance Ion 82.00 (81.70 to 82.70): BN004974.D (-988) (-)

Ion 128.00 (127.70 to 128.70): BN004974.D (-988) (-)

Ion 54.00 (53.70 to 54.70): BN004974.D (-988) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.30 min Scan# 1924

Delta R.T. -0.02 min

Lab File: BN005075.D

Acq: 03 Apr 2019 23:39

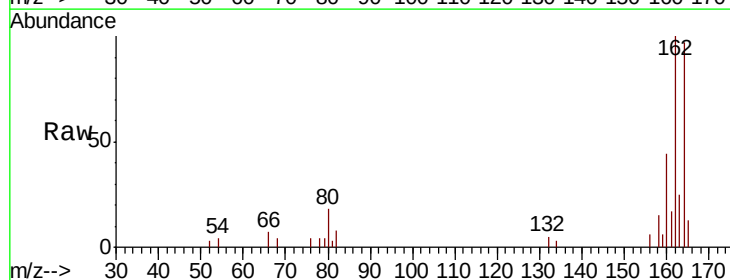
Tgt Ion: 164 Resp: 17234

Ion Ratio Lower Upper

164 100

162 103.6 83.4 125.0

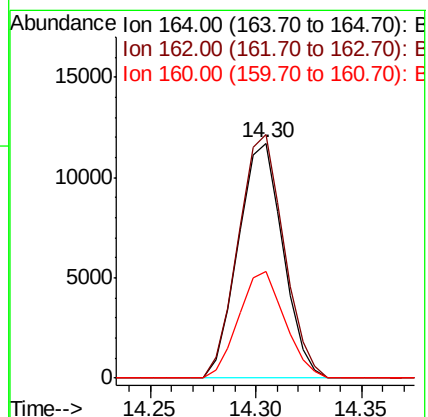
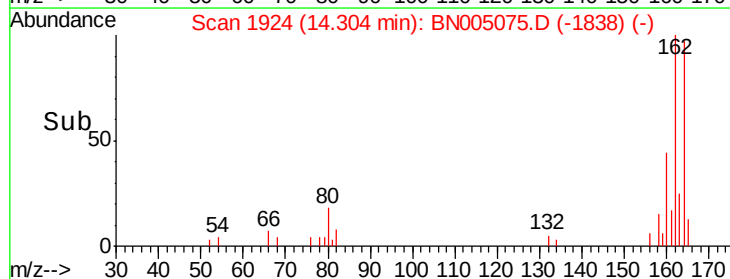
160 45.3 36.6 55.0

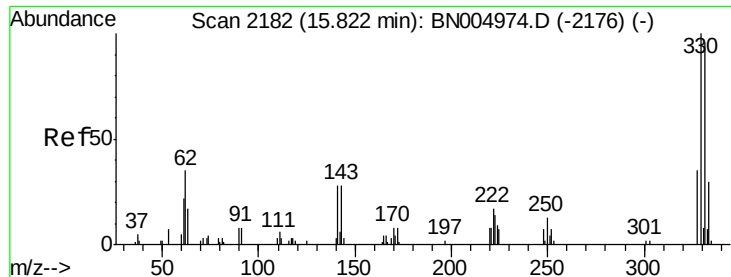


Abundance Ion 164.00 (163.70 to 164.70): BN004974.D (-1921) (-)

Ion 162.00 (161.70 to 162.70): BN004974.D (-1921) (-)

Ion 160.00 (159.70 to 160.70): BN004974.D (-1921) (-)

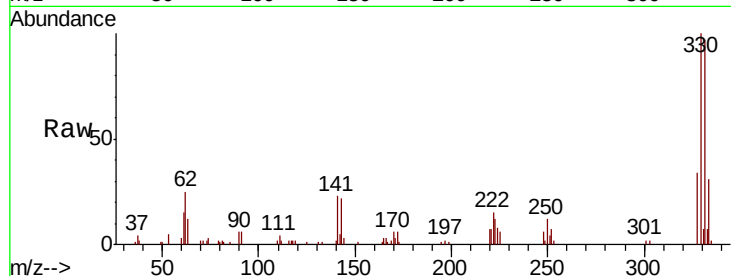




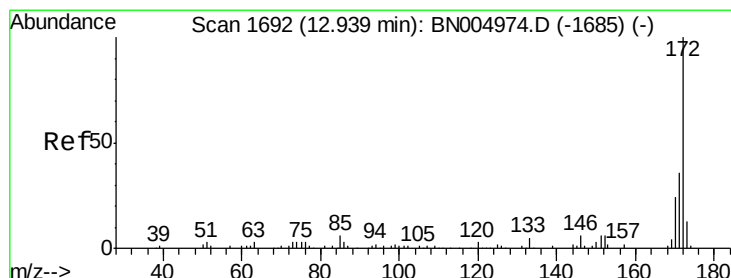
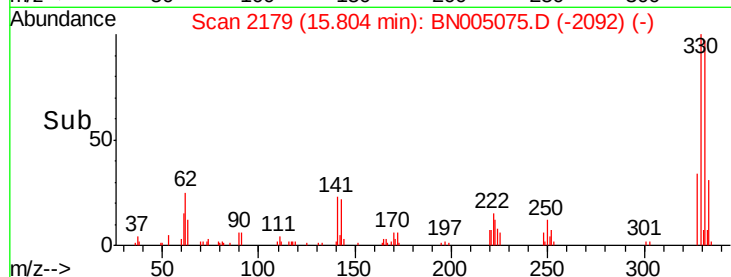
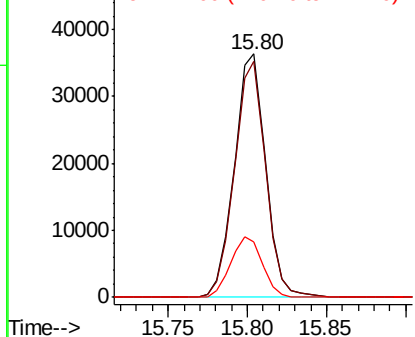
#42
 2,4,6-Tribromophenol
 Concen: 178.944 ng
 RT: 15.80 min Scan# 2179
 Delta R.T. -0.02 min
 Lab File: BN005075.D
 Acq: 03 Apr 2019 23:39

Instrument :
 BNA_N
 ClientSampleId :
 OR-02-040219-B

Tgt Ion:330 Resp: 49738
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.0
 141 24.9 22.1 33.1

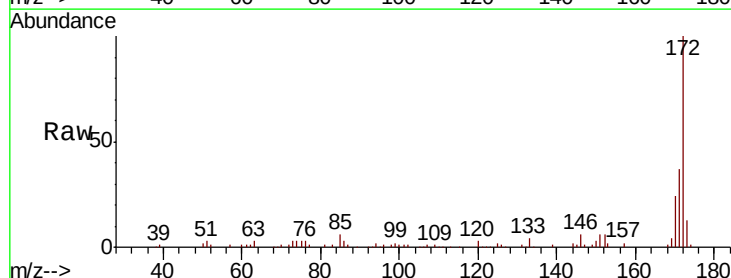


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

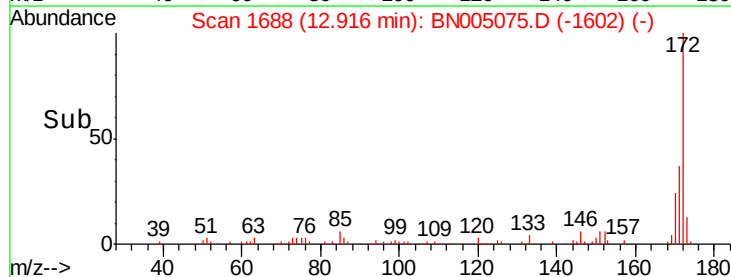
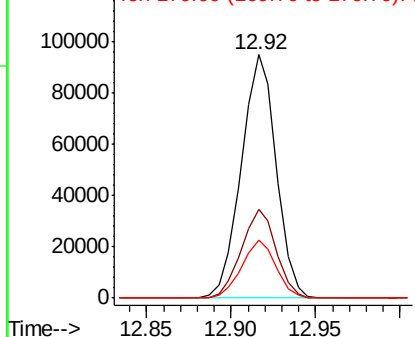


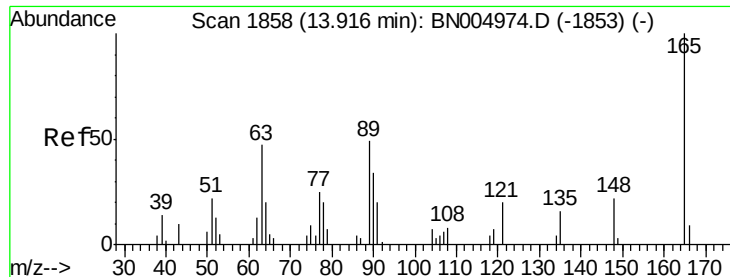
#45
 2-Fluorobiphenyl
 Concen: 104.834 ng
 RT: 12.92 min Scan# 1688
 Delta R.T. -0.02 min
 Lab File: BN005075.D
 Acq: 03 Apr 2019 23:39

Tgt Ion:172 Resp: 136343
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 42.8
 170 23.7 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

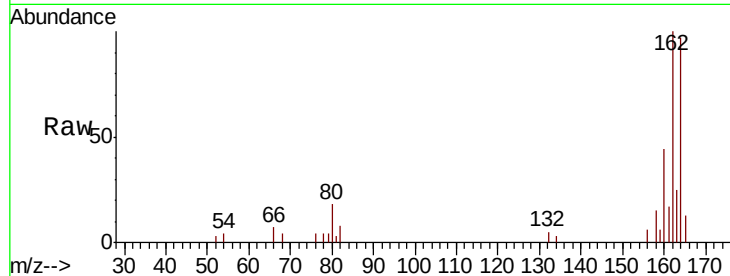




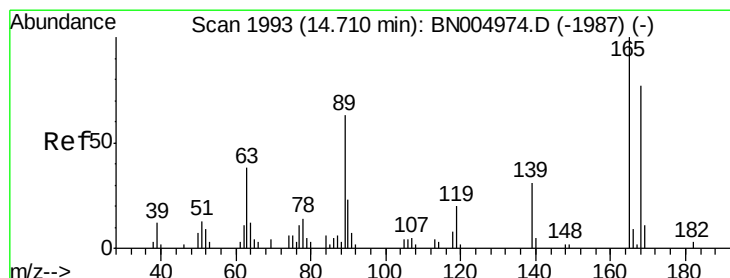
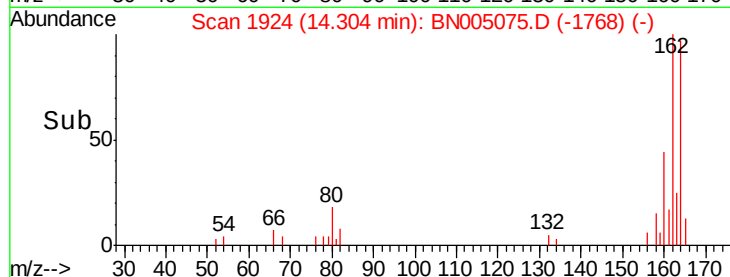
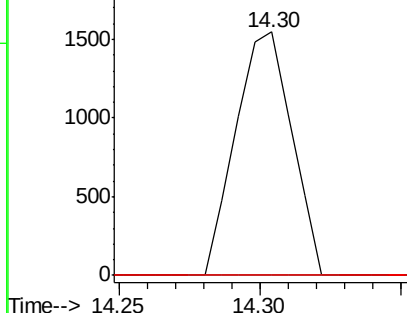
#51
 2,6-Dinitrotoluene
 Concen: 6.617 ng
 RT: 14.30 min Scan# 1924
 Delta R.T. 0.39 min
 Lab File: BN005075.D
 Acq: 03 Apr 2019 23:39

Instrument :
 BNA_N
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 OR-02-040219-B

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

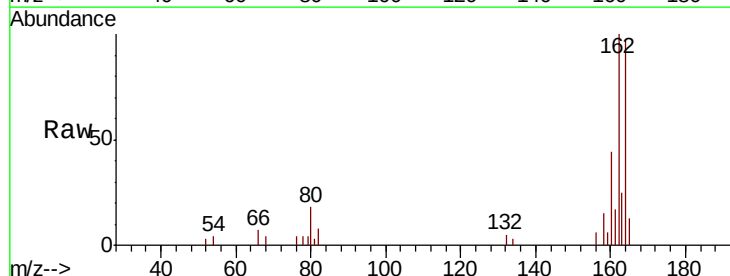


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC

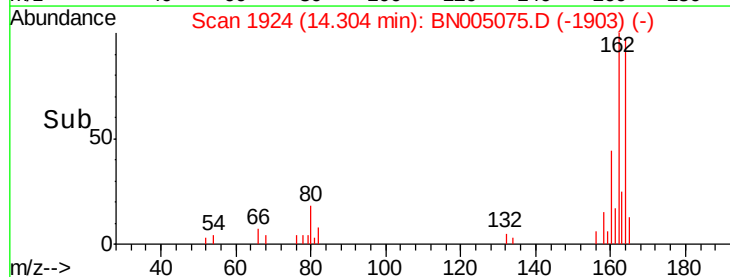
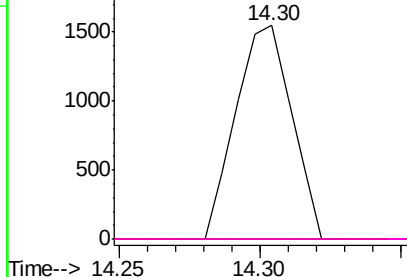


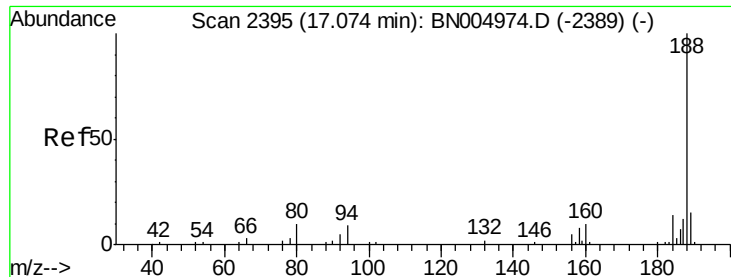
#57
 2,4-Dinitrotoluene
 Concen: 4.869 ng
 RT: 14.30 min Scan# 1924
 Delta R.T. -0.41 min
 Lab File: BN005075.D
 Acq: 03 Apr 2019 23:39

Tgt 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: BN005075.D

Acq: 03 Apr 2019 23:39

Instrument :

BNA_N

ClientSampleId :

OR-02-040219-B

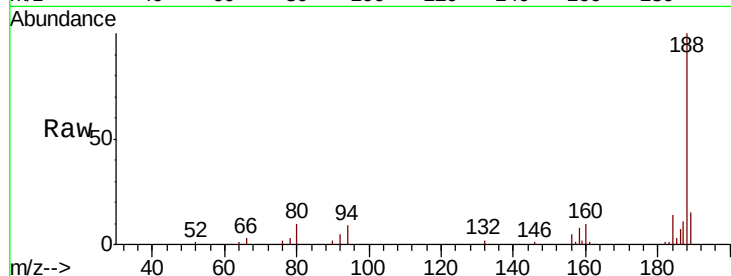
Tgt Ion:188 Resp: 39474

Ion Ratio Lower Upper

188 100

94 8.6 7.2 10.8

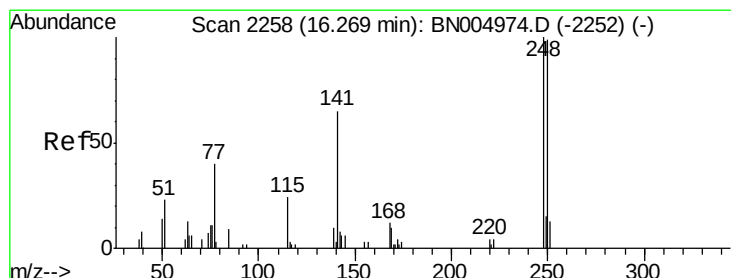
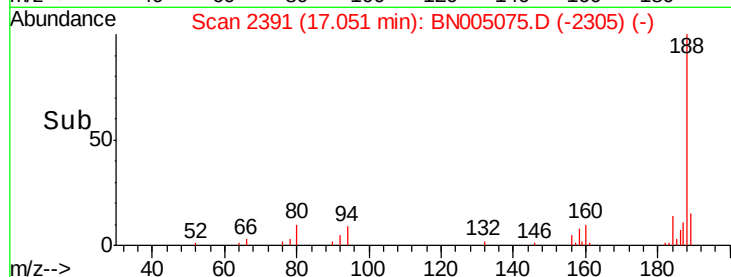
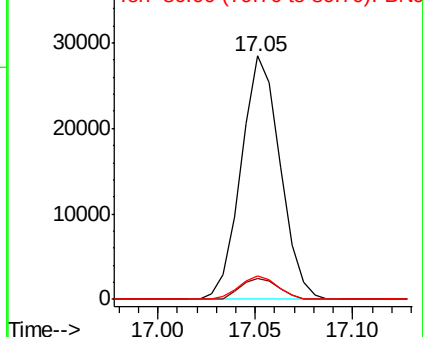
80 9.7 7.8 11.6



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: 5.853 ng

RT: 15.80 min Scan# 2179

Delta R.T. -0.46 min

Lab File: BN005075.D

Acq: 03 Apr 2019 23:39

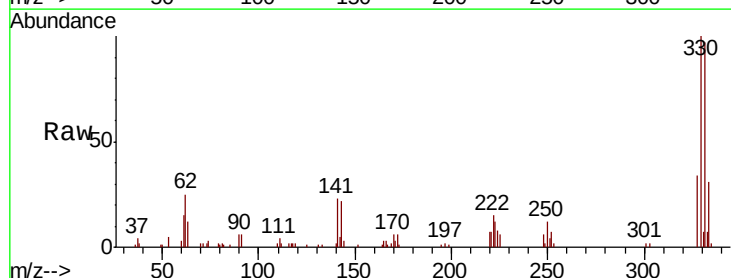
Tgt Ion:248 Resp: 2883

Ion Ratio Lower Upper

248 100

250 200.6 79.4 119.2#

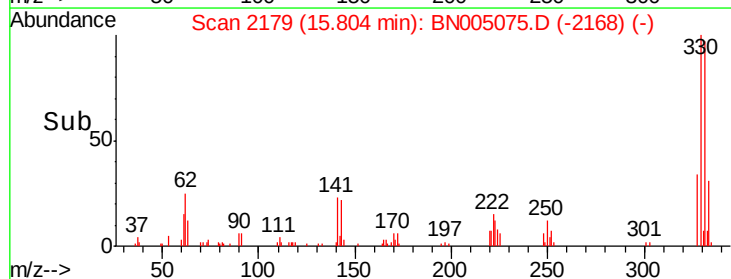
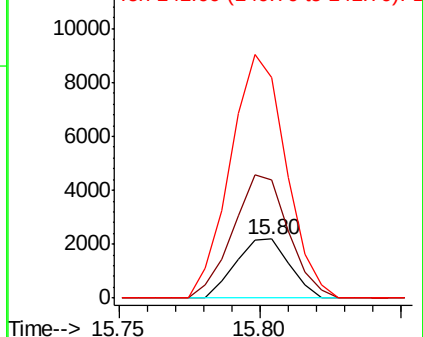
141 374.9 52.3 78.5#

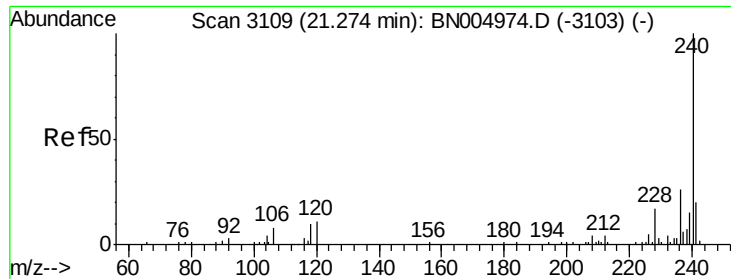


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

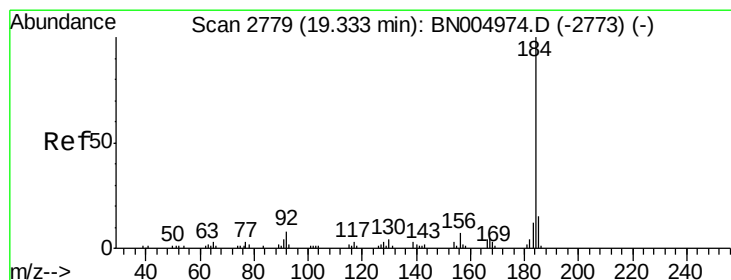
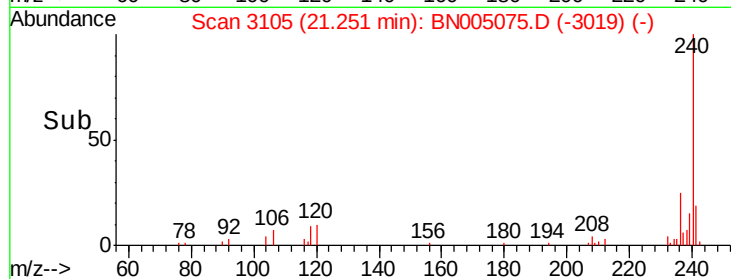
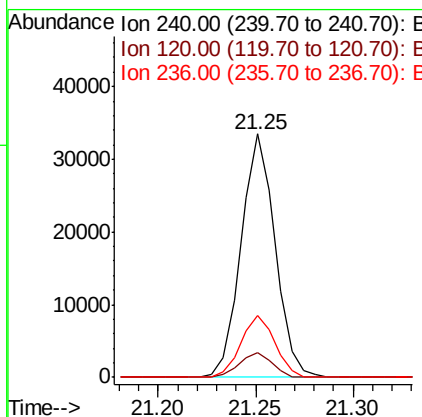
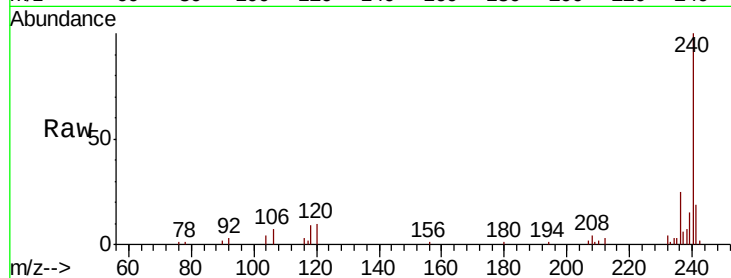




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.25 min Scan# 3105
Delta R.T. -0.02 min
Lab File: BN005075.D
Acq: 03 Apr 2019 23:39

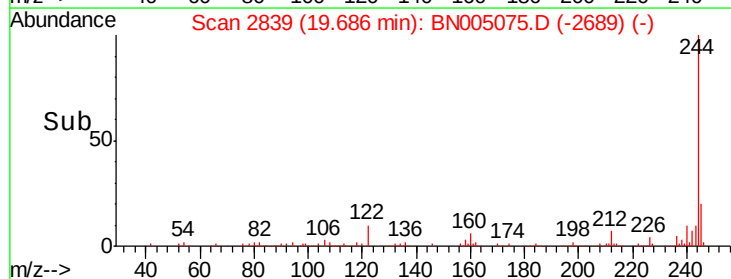
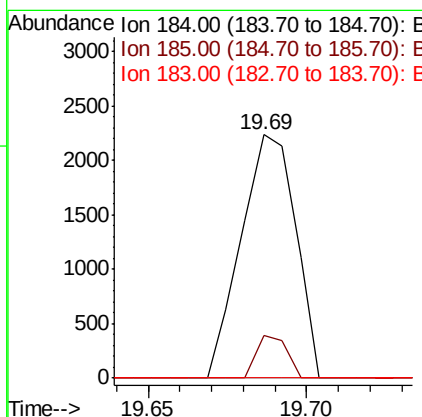
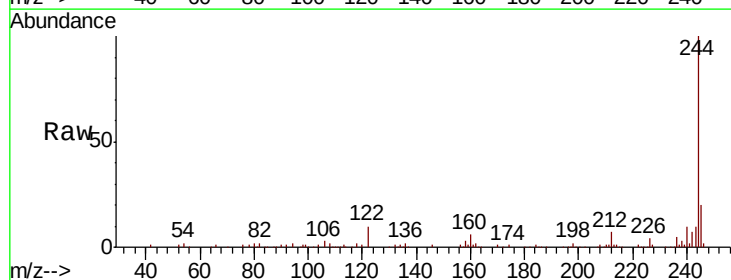
Instrument :
BNA_N
ClientSampleId :
OR-02-040219-B

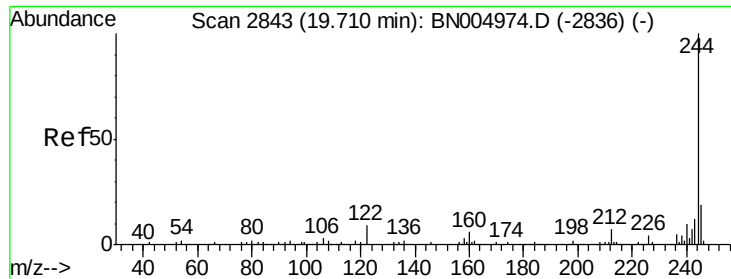
Tgt Ion: 240 Resp: 40427
Ion Ratio Lower Upper
240 100
120 10.1 8.5 12.7
236 25.3 21.2 31.8



#77
Benzidine
Concen: 2.118 ng
RT: 19.69 min Scan# 2839
Delta R.T. 0.35 min
Lab File: BN005075.D
Acq: 03 Apr 2019 23:39

Tgt Ion: 184 Resp: 2668
Ion Ratio Lower Upper
184 100
185 17.3 11.8 17.8
183 0.0 9.9 14.9#





#79

Terphenyl-d14

Concen: 112.798 ng

RT: 19.69 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BN005075.D

Acq: 03 Apr 2019 23:39

Instrument :

BNA_N

ClientSampleId :

OR-02-040219-B

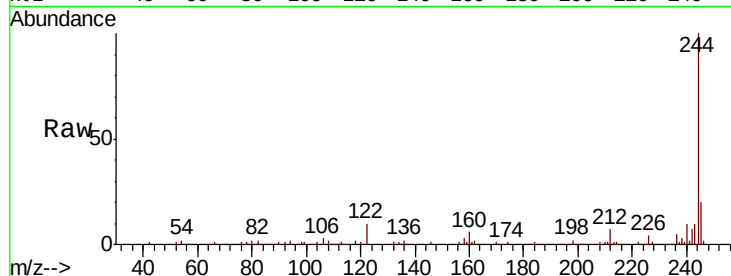
Tgt Ion:244 Resp: 236857

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

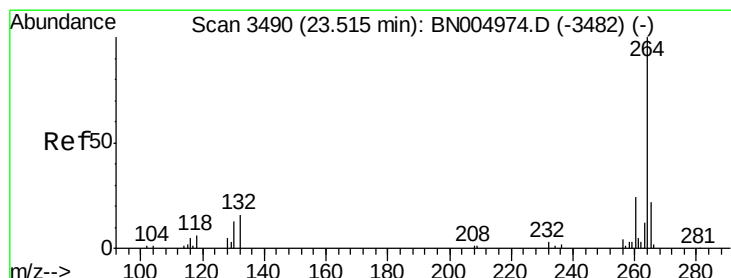
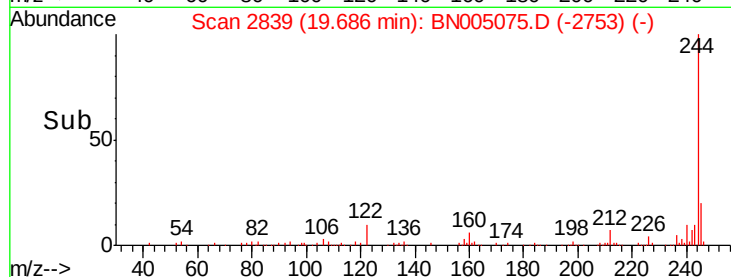
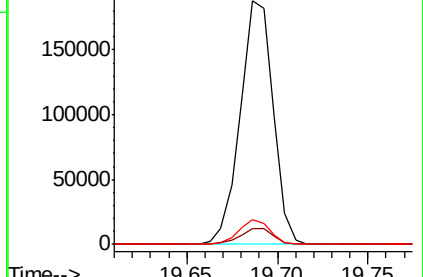
122 10.0 7.4 11.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.48 min Scan# 3484

Delta R.T. -0.03 min

Lab File: BN005075.D

Acq: 03 Apr 2019 23:39

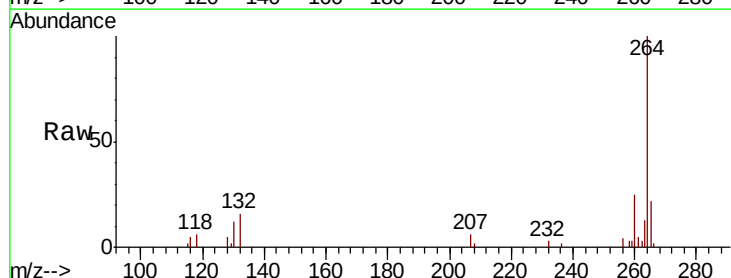
Tgt Ion:264 Resp: 36680

Ion Ratio Lower Upper

264 100

260 24.8 19.0 28.4

265 22.2 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

