

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN040319\
 Data File : BN005072.D
 Acq On : 03 Apr 2019 21:51
 Operator : JU/SJ
 Sample : K2197-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CL-02-040219-A

Quant Time: Apr 04 04:30:09 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

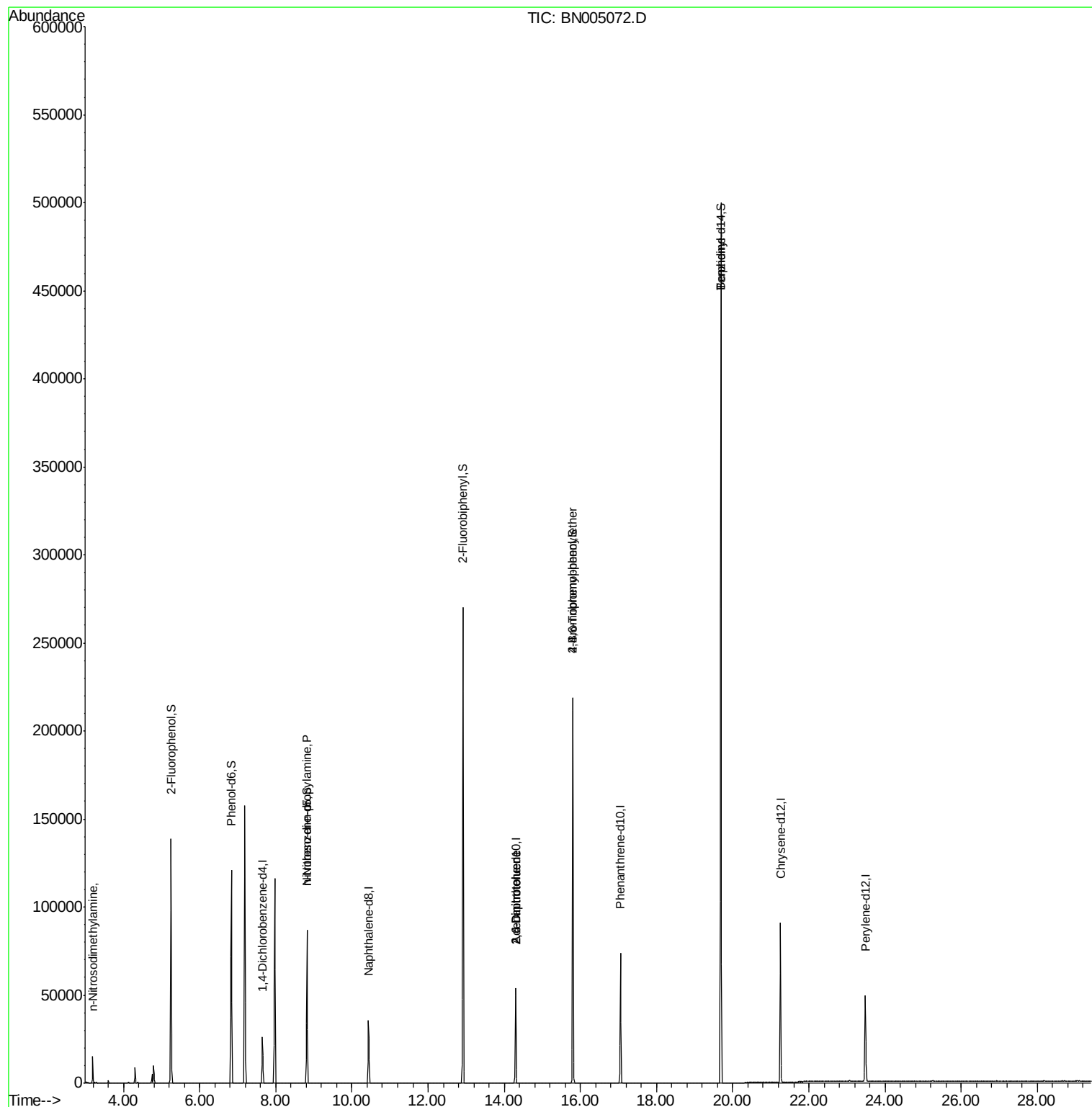
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	8541	20.00	ng	-0.02
21) Naphthalene-d8	10.43	136	33529	20.00	ng	-0.03
39) Acenaphthene-d10	14.30	164	19398	20.00	ng	-0.02
64) Phenanthrene-d10	17.05	188	44371	20.00	ng	-0.02
76) Chrysene-d12	21.25	240	44983	20.00	ng	-0.02
87) Perylene-d12	23.48	264	41042	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	63407	128.35	ng	-0.02
7) Phenol-d6	6.83	99	73508	112.19	ng	-0.02
23) Nitrobenzene-d5	8.82	82	52367	94.48	ng	-0.02
42) 2,4,6-Tribromophenol	15.80	330	52683	168.40	ng	-0.02
45) 2-Fluorobiphenyl	12.92	172	141331	96.55	ng	-0.02
79) Terphenyl-d14	19.69	244	244589	104.68	ng	-0.02
Target Compounds						
4) n-Nitrosodimethylamine	3.19	42	782	4.768	ng	# 1
19) n-Nitroso-di-n-propylamine	8.82	70	6611	15.391	ng	# 74
51) 2,6-Dinitrotoluene	14.30	165	2377	6.555	ng	# 29
57) 2,4-Dinitrotoluene	14.30	165	2377	4.823	ng	# 27
67) 4-Bromophenyl-phenylether	15.80	248	3081	5.564	ng	# 1
77) Benzidine	19.69	184	2936	2.094	ng	# 84

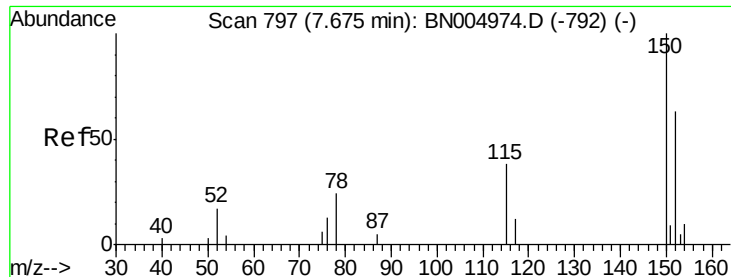
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 27 05:27:09 2019
Response via : Initial Calibration



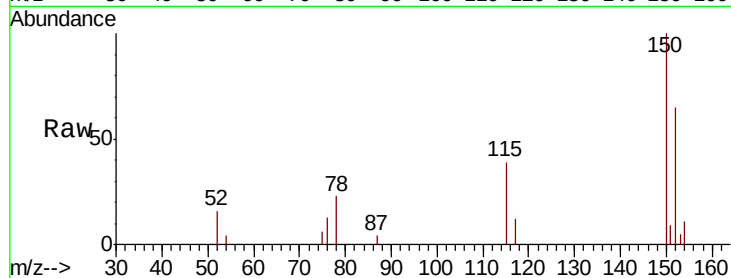


#1

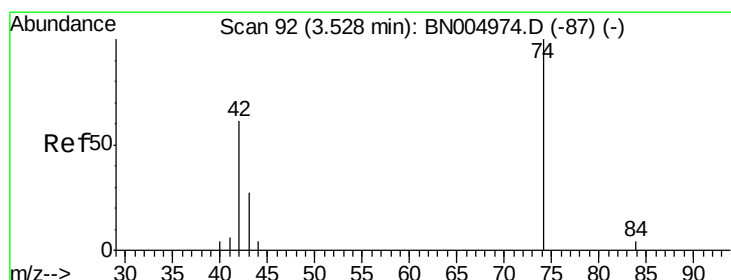
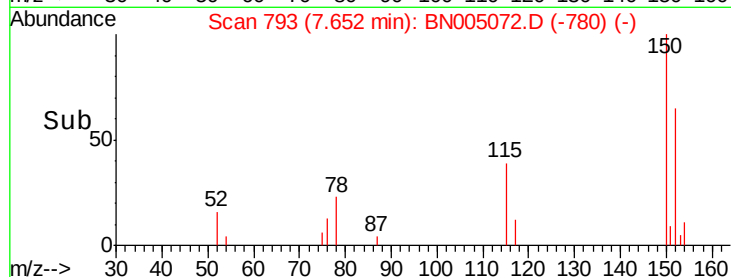
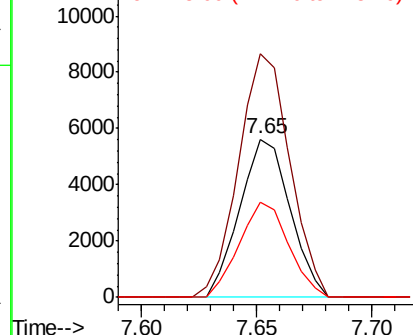
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.02 min
Lab File: BN005072.D
Acq: 03 Apr 2019 21:51

Instrument :
BNA_N
ClientSampleId :
CL-02-040219-A

Tgt Ion: 152 Resp: 8541
Ion Ratio Lower Upper
152 100
150 154.2 126.9 190.3
115 60.0 47.8 71.6



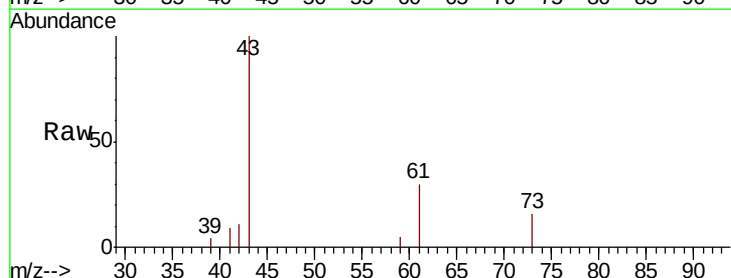
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



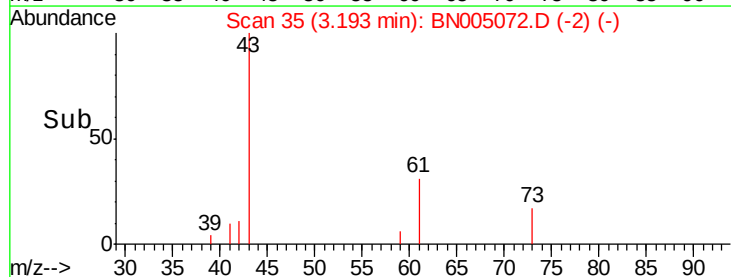
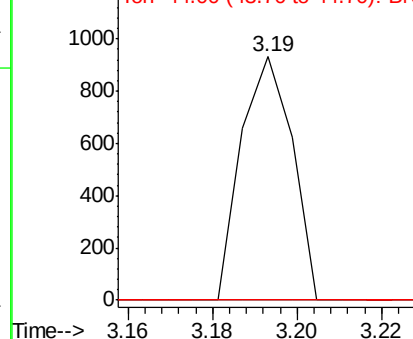
#4

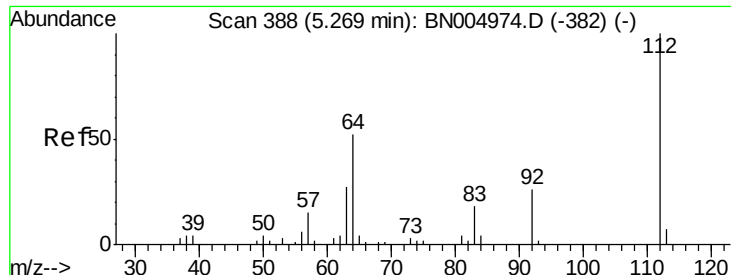
n-Nitrosodimethylamine
Concen: 4.768 ng
RT: 3.19 min Scan# 35
Delta R.T. -0.34 min
Lab File: BN005072.D
Acq: 03 Apr 2019 21:51

Tgt Ion: 42 Resp: 782
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: 128.351 ng

RT: 5.25 min Scan# 384

Delta R.T. -0.02 min

Lab File: BN005072.D

Acq: 03 Apr 2019 21:51

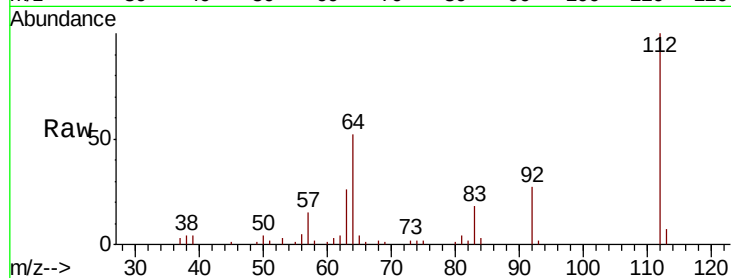
Instrument :

BNA_N

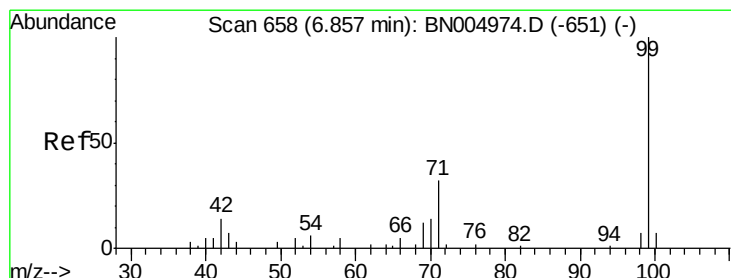
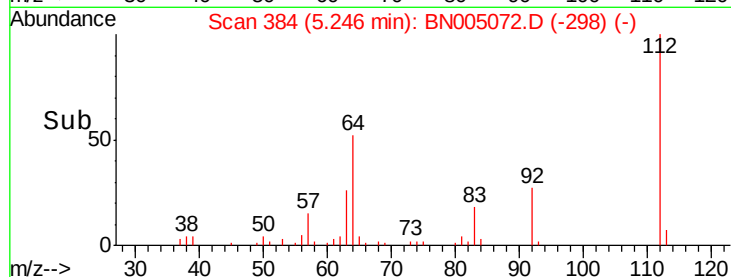
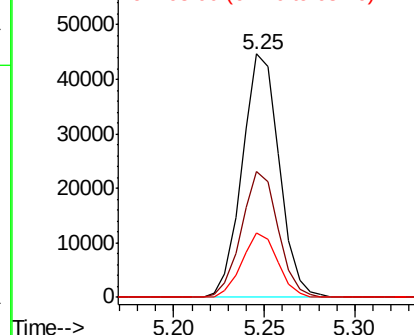
ClientSampleId :

CL-02-040219-A

Tgt Ion:	112	Resp:	63407
Ion	Ratio	Lower	Upper
112	100		
64	51.9	41.9	62.9
63	26.2	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: 112.186 ng

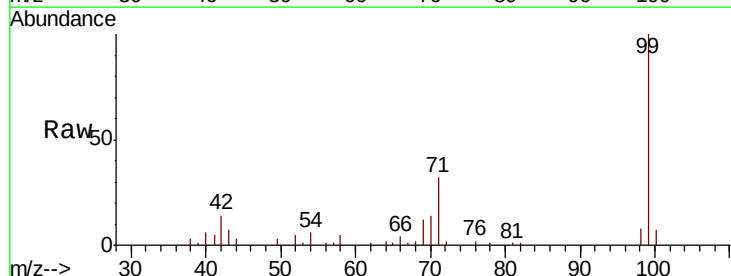
RT: 6.83 min Scan# 654

Delta R.T. -0.02 min

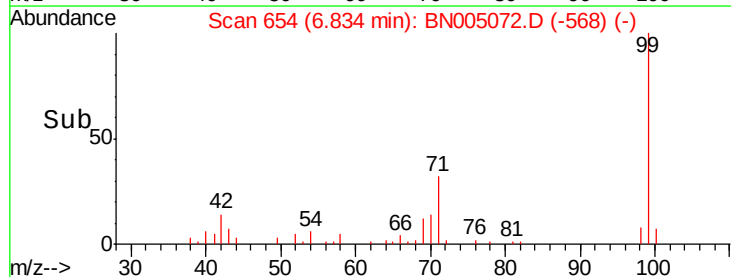
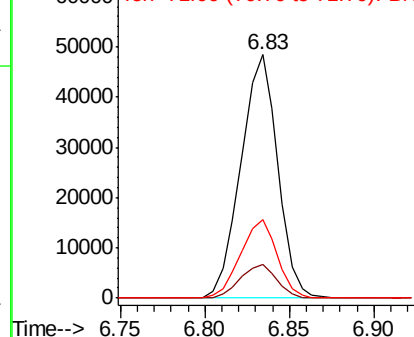
Lab File: BN005072.D

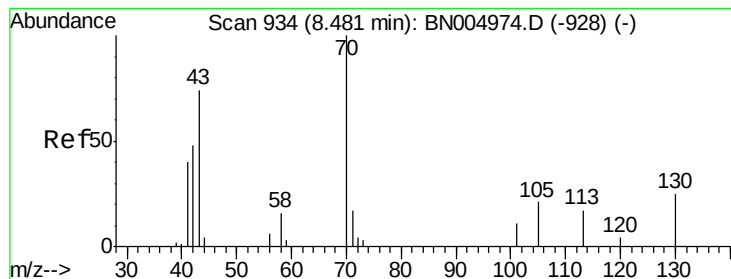
Acq: 03 Apr 2019 21:51

Tgt Ion:	99	Resp:	73508
Ion	Ratio	Lower	Upper
99	100		
42	13.6	11.4	17.0
71	32.1	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: 15.391 ng

RT: 8.82 min Scan# 992

Delta R.T. 0.34 min

Lab File: BN005072.D

Acq: 03 Apr 2019 21:51

Instrument :

BNA_N

ClientSampleId :

CL-02-040219-A

Tgt Ion: 70 Resp: 6611

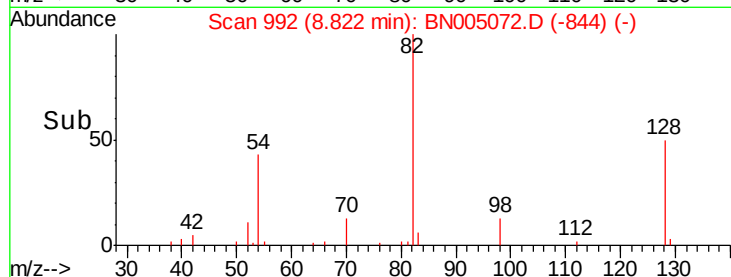
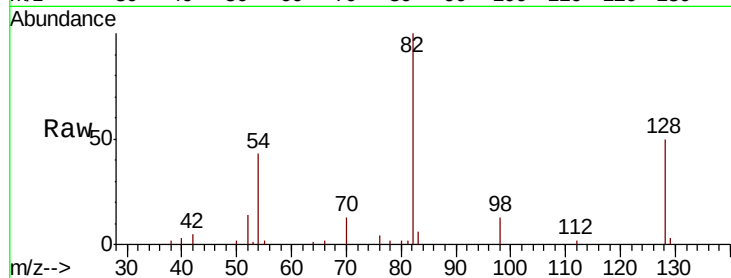
Ion Ratio Lower Upper

70 100

42 39.5 38.4 57.6

101 0.0 8.8 13.2#

130 0.0 19.8 29.8#

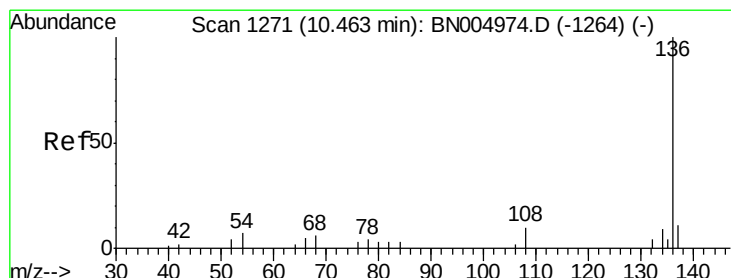
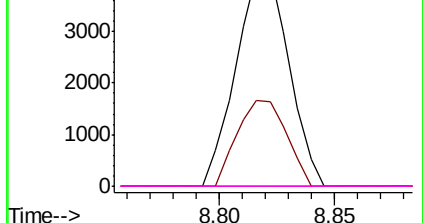


Abundance Ion 70.00 (69.70 to 70.70): BN005072.D (-844) (-)

Ion 42.00 (41.70 to 42.70): BN005072.D (-844) (-)

Ion 101.00 (100.70 to 101.70): BN005072.D (-844) (-)

Ion 130.00 (129.70 to 130.70): BN005072.D (-844) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BN005072.D

Acq: 03 Apr 2019 21:51

Tgt Ion: 136 Resp: 33529

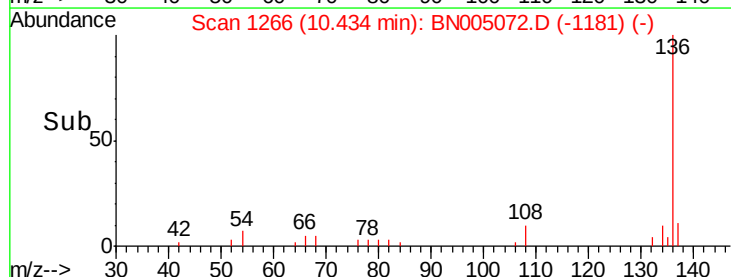
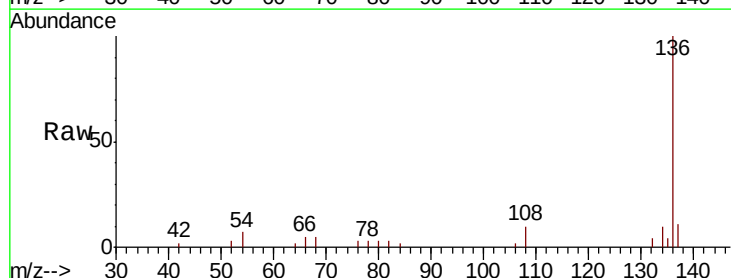
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.6 5.3 7.9

68 5.3 4.6 6.8

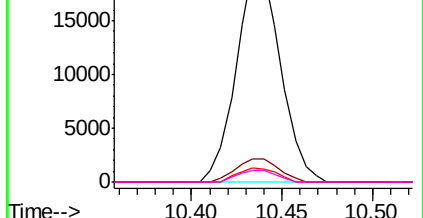


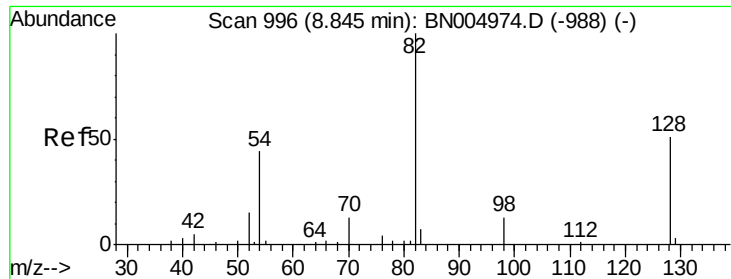
Abundance Ion 136.00 (135.70 to 136.70): BN005072.D (-1181) (-)

Ion 137.00 (136.70 to 137.70): BN005072.D (-1181) (-)

Ion 54.00 (53.70 to 54.70): BN005072.D (-1181) (-)

Ion 68.00 (67.70 to 68.70): BN005072.D (-1181) (-)

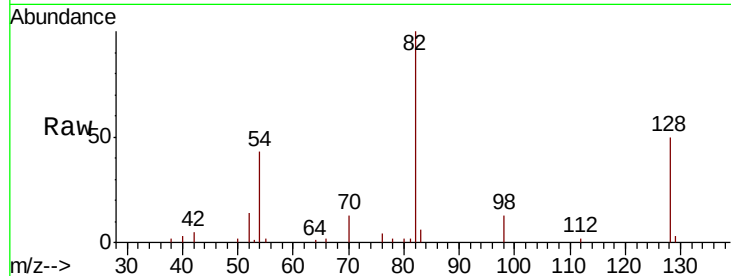




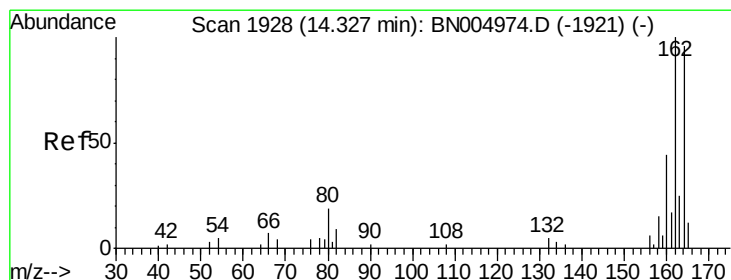
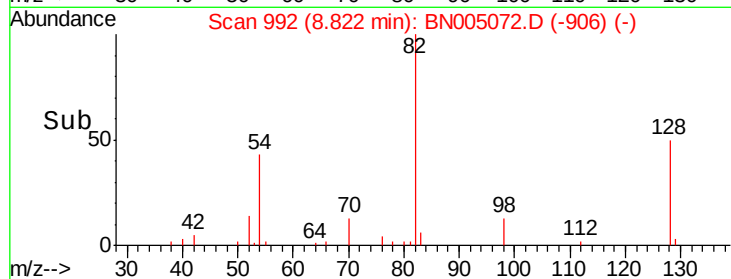
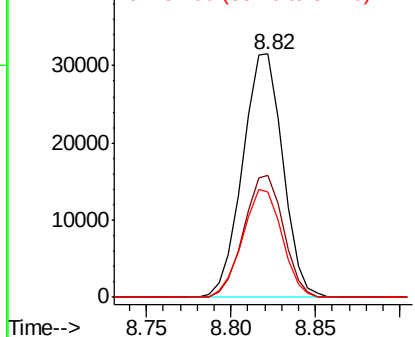
#23
 Nitrobenzene-d5
 Concen: 94.478 ng
 RT: 8.82 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: BN005072.D
 Acq: 03 Apr 2019 21:51

Instrument :
 BNA_N
 ClientSampleId :
 CL-02-040219-A

Tgt Ion: 82 Resp: 52367
 Ion Ratio Lower Upper
 82 100
 128 50.3 40.6 60.8
 54 43.2 35.2 52.8

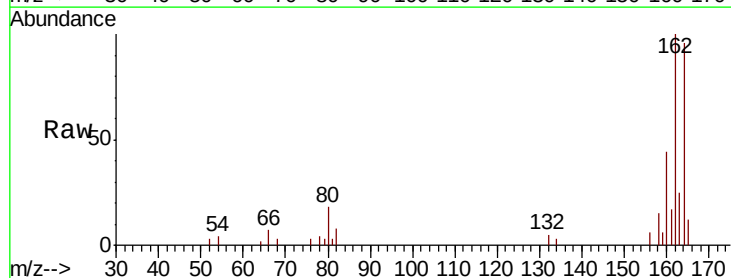


Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BN0

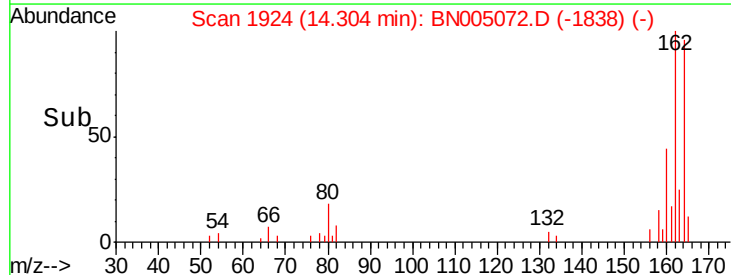
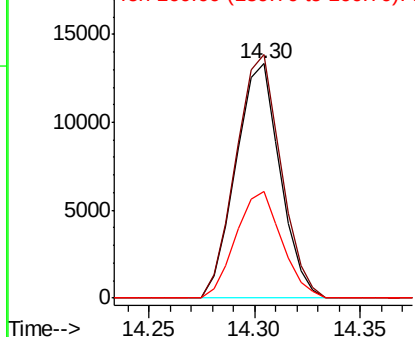


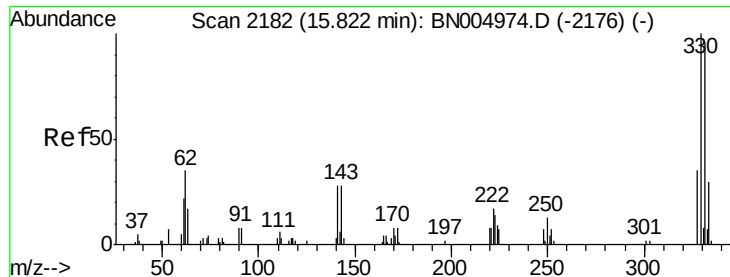
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.30 min Scan# 1924
 Delta R.T. -0.02 min
 Lab File: BN005072.D
 Acq: 03 Apr 2019 21:51

Tgt Ion: 164 Resp: 19398
 Ion Ratio Lower Upper
 164 100
 162 103.9 83.4 125.0
 160 45.7 36.6 55.0



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

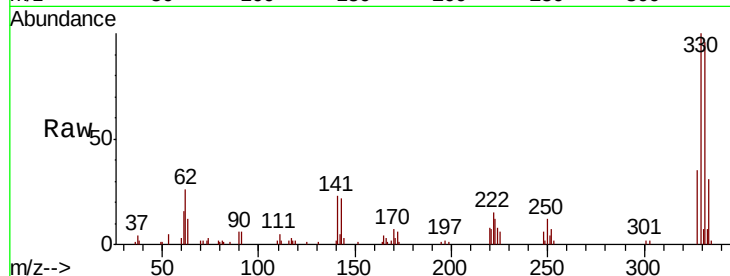




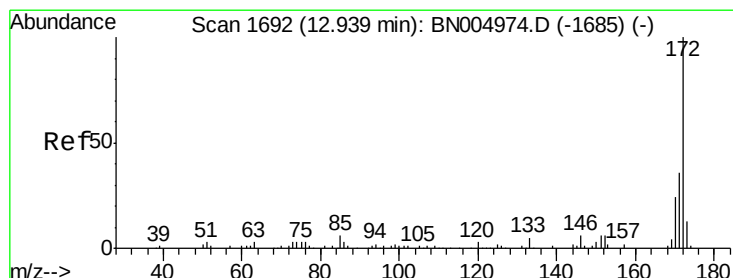
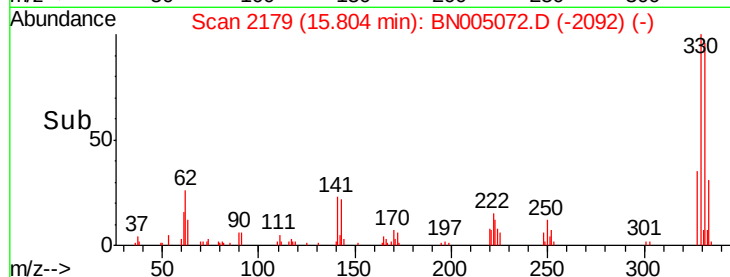
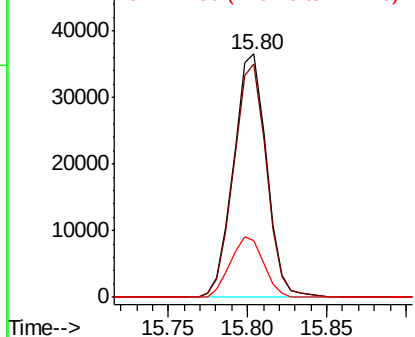
#42
 2,4,6-Tribromophenol
 Concen: 168.395 ng
 RT: 15.80 min Scan# 2179
 Delta R.T. -0.02 min
 Lab File: BN005072.D
 Acq: 03 Apr 2019 21:51

Instrument :
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 CL-02-040219-A

Tgt Ion:330 Resp: 52683
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.0
 141 24.8 22.1 33.1

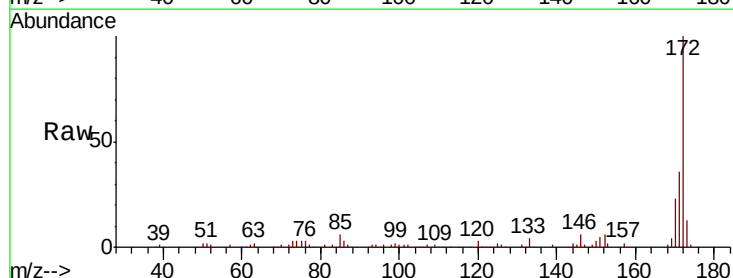


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

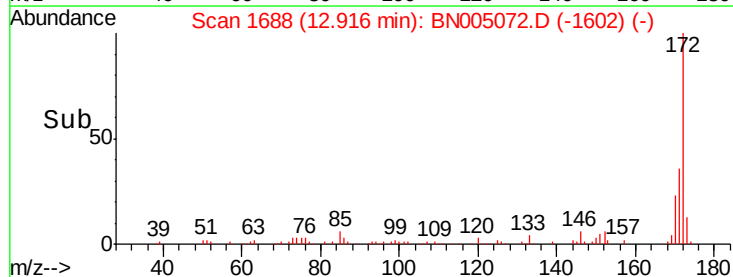
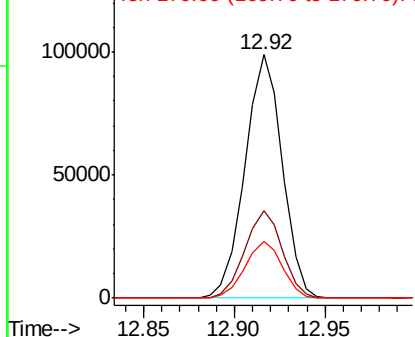


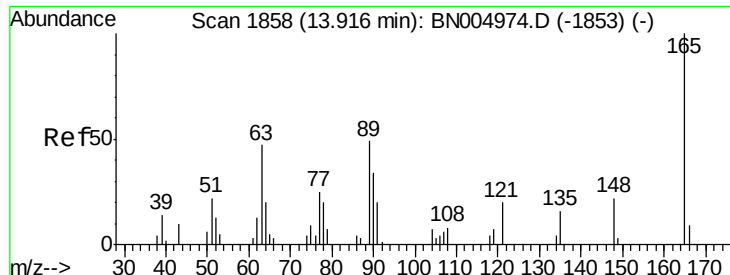
#45
 2-Fluorobiphenyl
 Concen: 96.547 ng
 RT: 12.92 min Scan# 1688
 Delta R.T. -0.02 min
 Lab File: BN005072.D
 Acq: 03 Apr 2019 21:51

Tgt Ion:172 Resp: 141331
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 42.8
 170 23.3 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

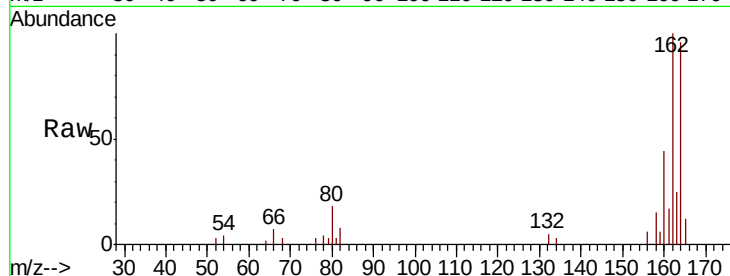




#51
 2,6-Dinitrotoluene
 Concen: 6.555 ng
 RT: 14.30 min Scan# 1924
 Delta R.T. 0.39 min
 Lab File: BN005072.D
 Acq: 03 Apr 2019 21:51

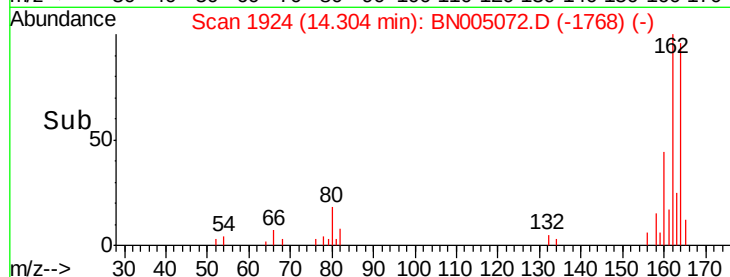
Instrument :
 BNA_N
 ClientSampleId :
 CL-02-040219-A

Tgt Ion:165 Resp: 2377
 Ion Ratio Lower Upper
 165 100
 63 0.0 37.3 55.9#
 89 0.0 39.2 58.8#

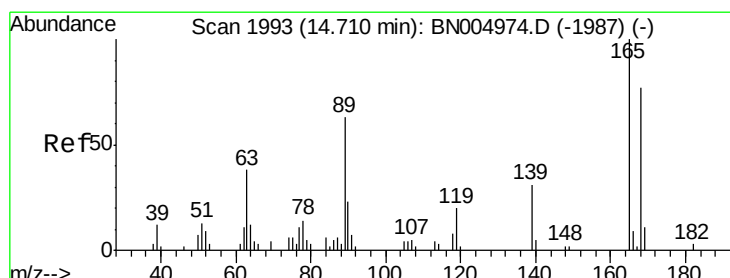


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC

14.30

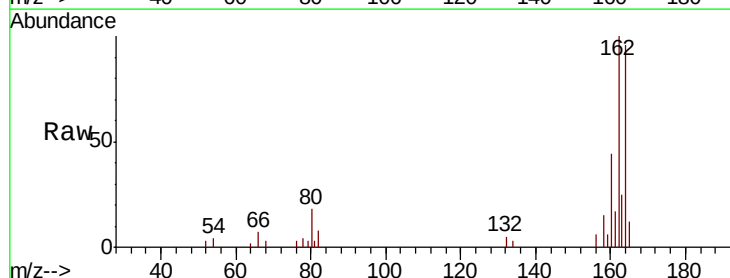


Time--> 14.25 14.30



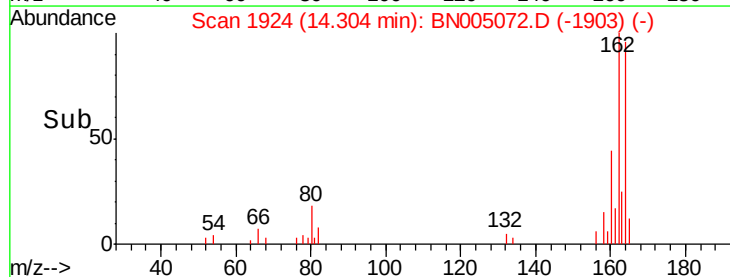
#57
 2,4-Dinitrotoluene
 Concen: 4.823 ng
 RT: 14.30 min Scan# 1924
 Delta R.T. -0.41 min
 Lab File: BN005072.D
 Acq: 03 Apr 2019 21:51

Tgt Ion:165 Resp: 2377
 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#

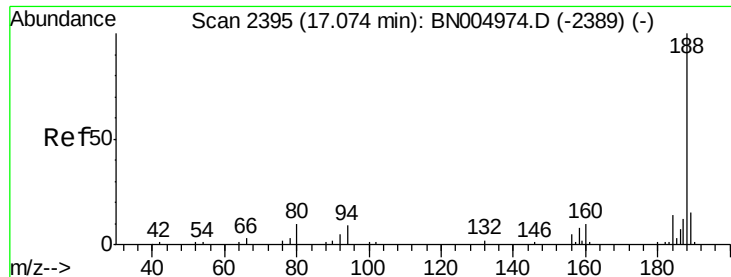


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC
 Ion 182.00 (181.70 to 182.70): E

14.30



Time--> 14.25 14.30



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2391

Delta R.T. -0.02 min

Lab File: BN005072.D

Acq: 03 Apr 2019 21:51

Instrument :

BNA_N

ClientSampleId :

CL-02-040219-A

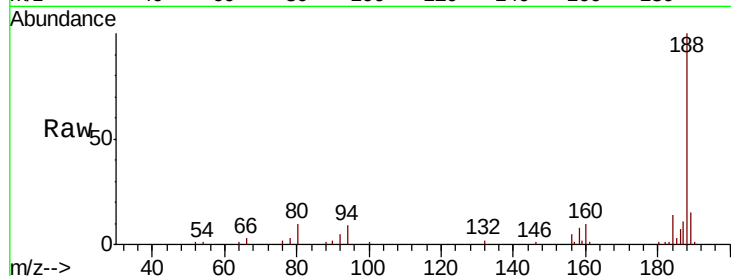
Tgt Ion:188 Resp: 44371

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

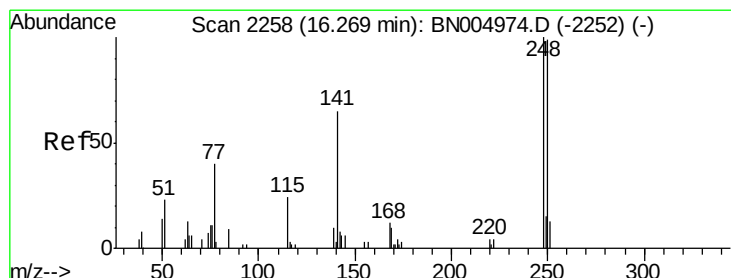
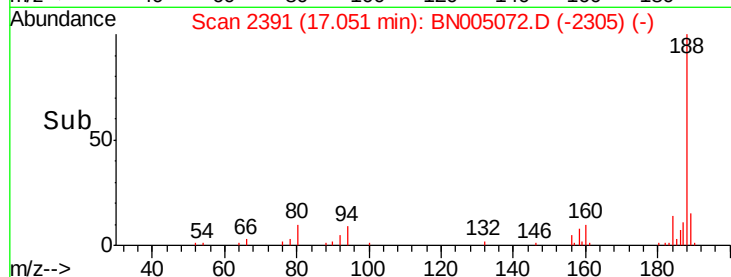
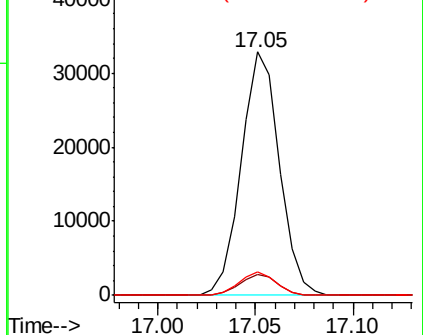
80 9.9 7.8 11.6



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: 5.564 ng

RT: 15.80 min Scan# 2179

Delta R.T. -0.46 min

Lab File: BN005072.D

Acq: 03 Apr 2019 21:51

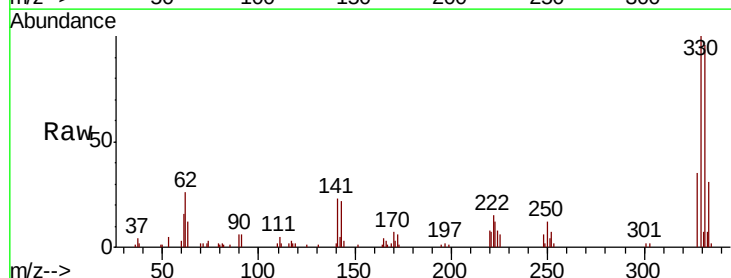
Tgt Ion:248 Resp: 3081

Ion Ratio Lower Upper

248 100

250 200.7 79.4 119.2#

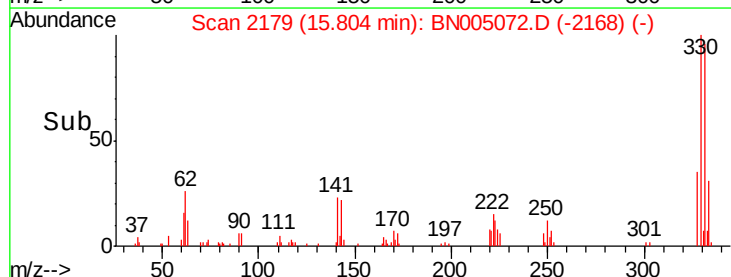
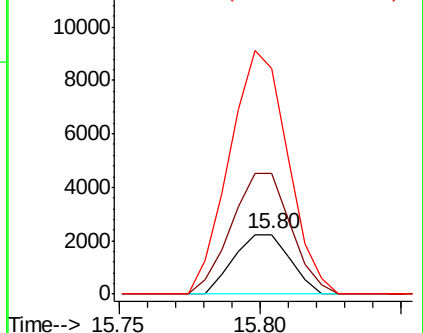
141 376.2 52.3 78.5#

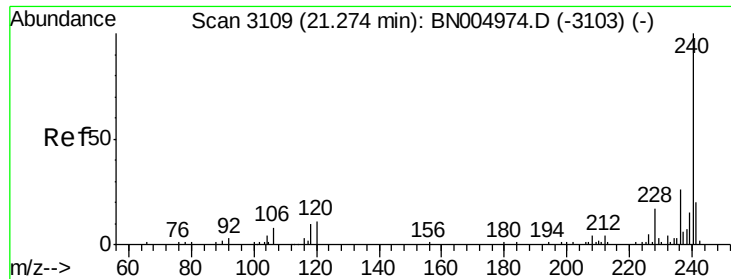


Abundance Ion 248.00 (247.70 to 248.70): E

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: BN005072.D

Acq: 03 Apr 2019 21:51

Instrument :

BNA_N

ClientSampleId :

CL-02-040219-A

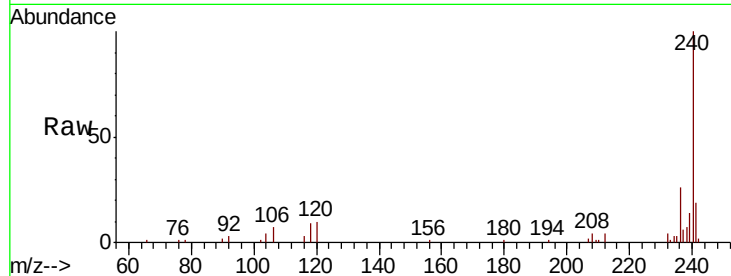
Tgt Ion:240 Resp: 44983

Ion Ratio Lower Upper

240 100

120 9.8 8.5 12.7

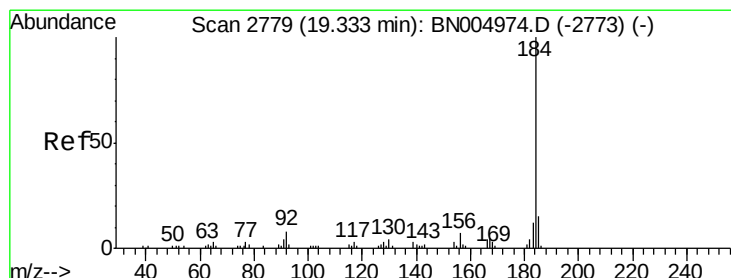
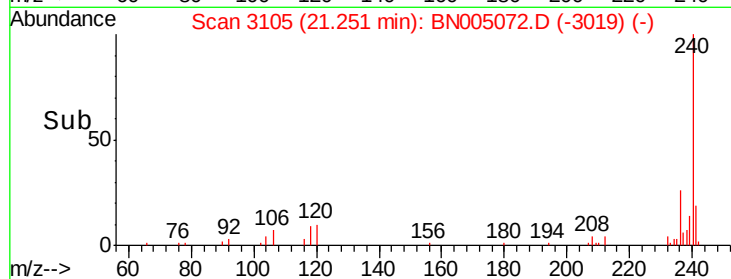
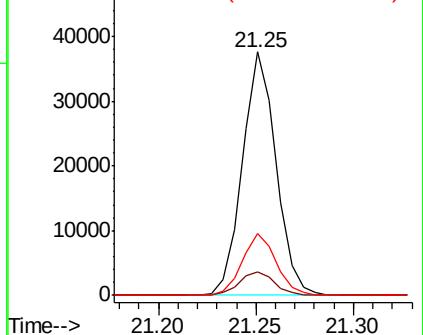
236 25.6 21.2 31.8



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: 2.094 ng

RT: 19.69 min Scan# 2840

Delta R.T. 0.36 min

Lab File: BN005072.D

Acq: 03 Apr 2019 21:51

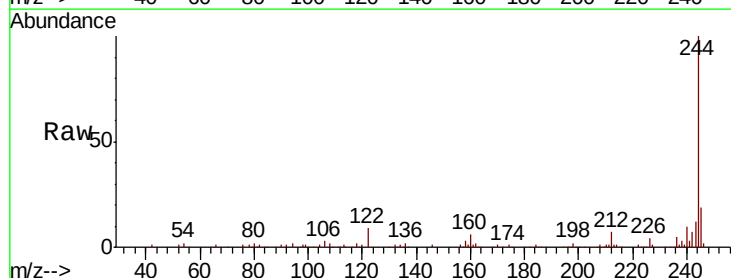
Tgt Ion:184 Resp: 2936

Ion Ratio Lower Upper

184 100

185 16.4 11.8 17.8

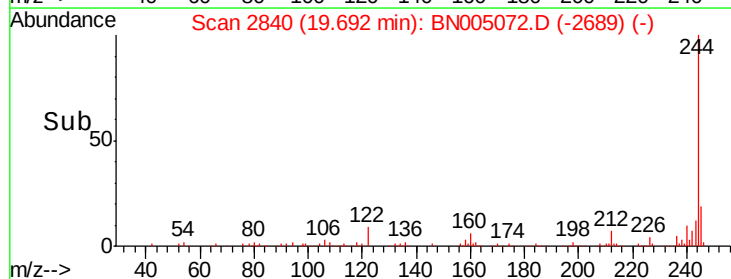
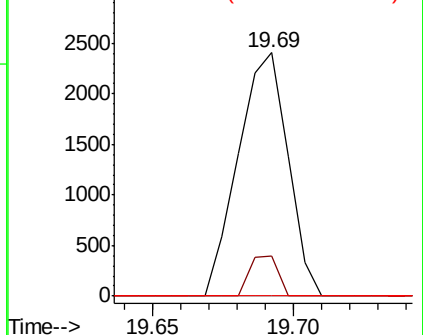
183 0.0 9.9 14.9#

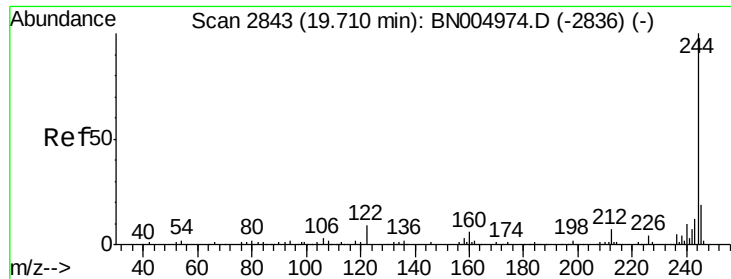


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 104.683 ng

RT: 19.69 min Scan# 2840

Delta R.T. -0.02 min

Lab File: BN005072.D

Acq: 03 Apr 2019 21:51

Instrument :

BNA_N

ClientSampleId :

CL-02-040219-A

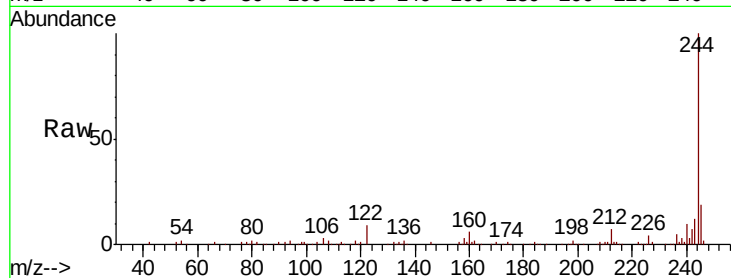
Tgt Ion:244 Resp: 244589

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

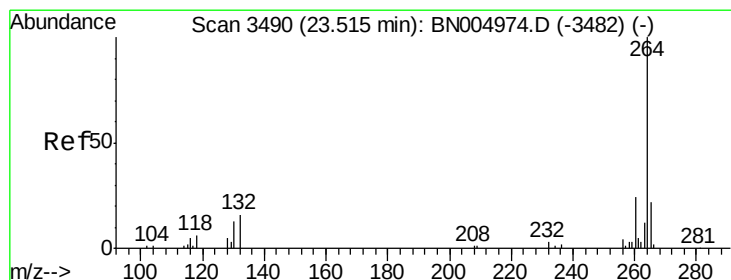
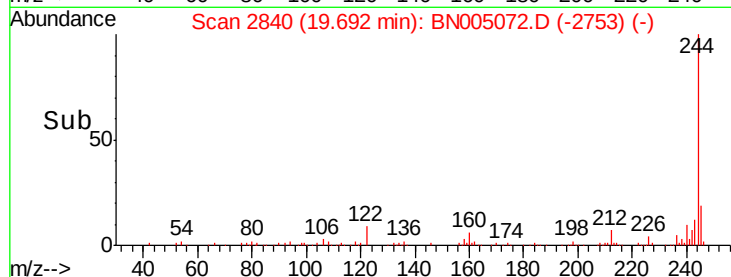
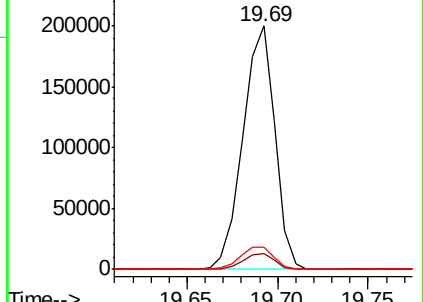
122 9.1 7.4 11.2



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. -0.04 min

Lab File: BN005072.D

Acq: 03 Apr 2019 21:51

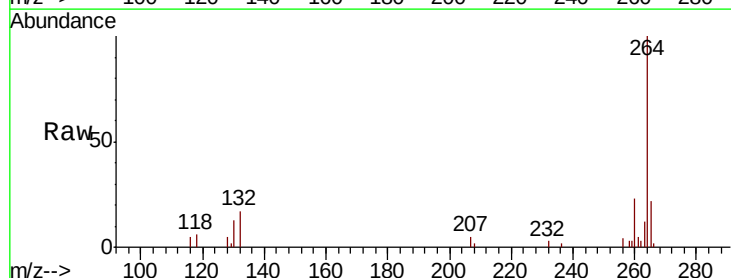
Tgt Ion:264 Resp: 41042

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 21.8 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

