

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032619\
 Data File : BN004980.D
 Acq On : 26 Mar 2019 17:18
 Operator : JU/SJ
 Sample : PB118273BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB118273BL

Quant Time: Mar 27 05:07:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN032619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 16:45:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	9682	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	37983	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	21601	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	49604	20.00	ng	0.00
76) Chrysene-d12	21.27	240	46598	20.00	ng	0.00
87) Perylene-d12	23.52	264	42901	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	70661	126.18	ng	0.00
7) Phenol-d6	6.86	99	91414	123.07	ng	0.00
23) Nitrobenzene-d5	8.84	82	52523	83.65	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	45310	130.06	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	136931	84.00	ng	0.00
79) Terphenyl-d14	19.70	244	202210	83.55	ng	0.00

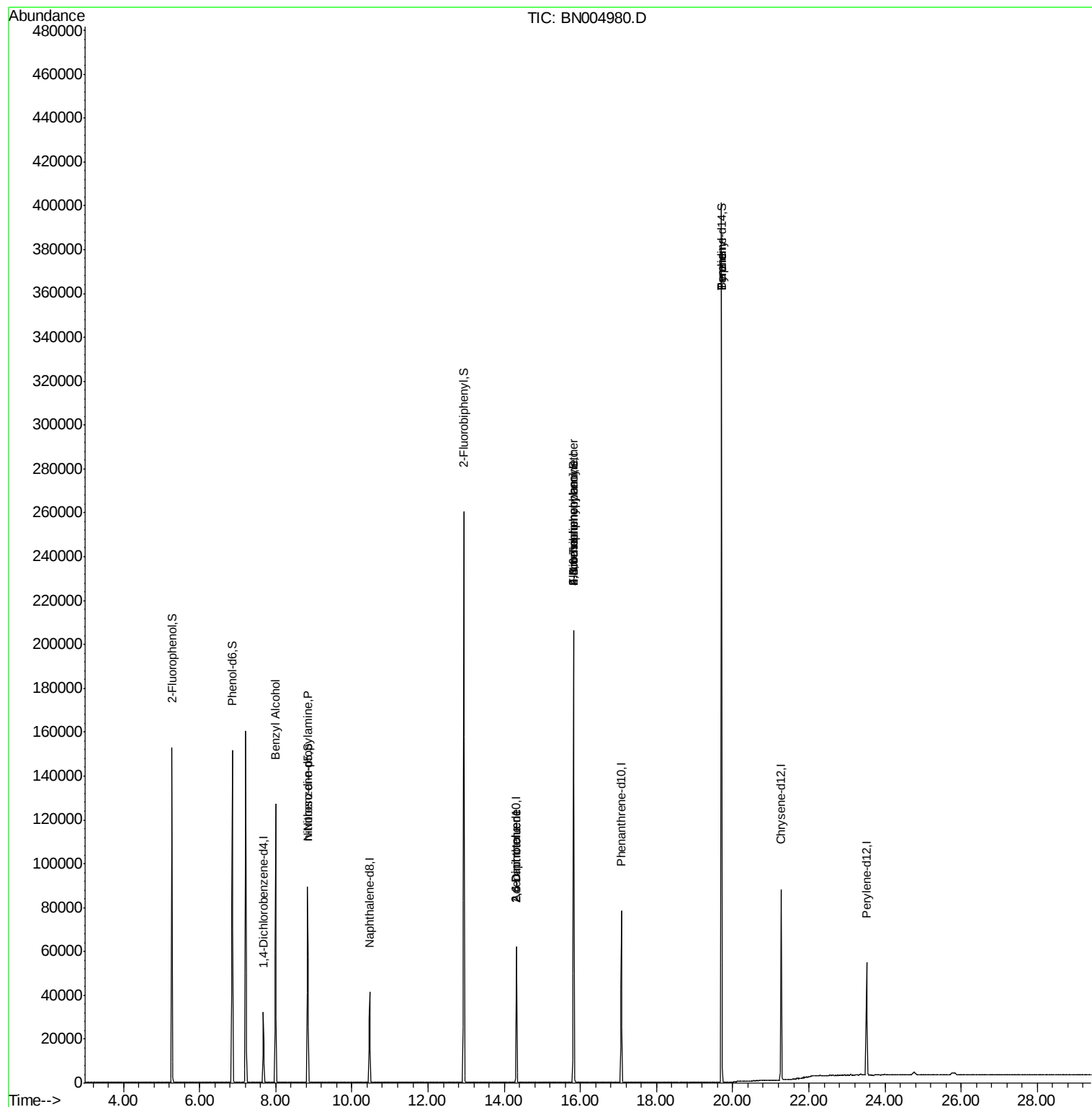
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.99	79	772	1.366	ng	# 24
19) n-Nitroso-di-n-propylamine	8.84	70	6635	13.626	ng	# 75
51) 2,6-Dinitrotoluene	14.32	165	2725	6.748	ng	# 29
57) 2,4-Dinitrotoluene	14.32	165	2725	4.965	ng	# 27
58) Fluorene	15.82	166	1691	0.991	ng	# 90
66) n-Nitrosodiphenylamine	15.82	169	981	0.628	ng	# 38
67) 4-Bromophenyl-phenylether	15.82	248	2811	4.541	ng	# 1
77) Benzidine	19.70	184	2441	1.681	ng	# 84
78) Pyrene	19.71	202	491	0.158	ng	# 57

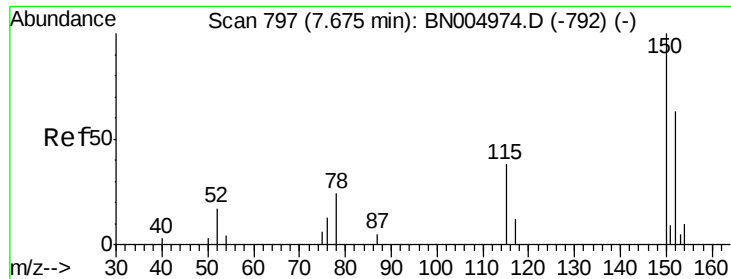
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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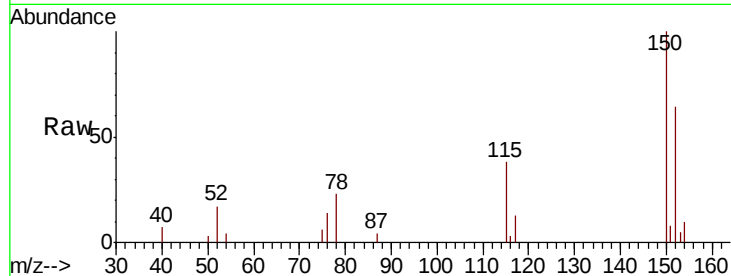


#1

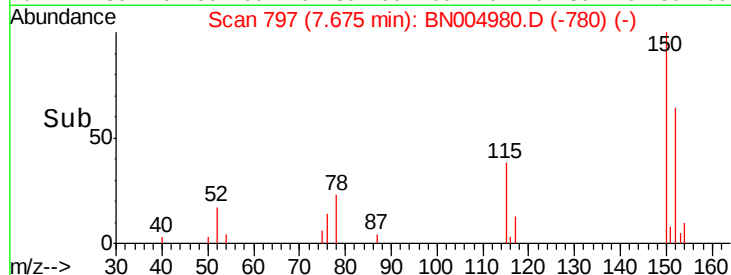
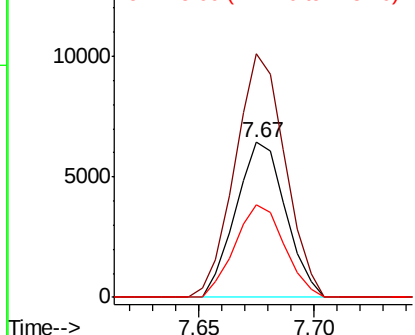
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 797
Delta R.T. 0.00 min
Lab File: BN004980.D
Acq: 26 Mar 2019 17:18

Instrument :
BNA_N
ClientSampleId :
PB118273BL

Tgt Ion:152 Resp: 9682
Ion Ratio Lower Upper
152 100
150 157.1 126.9 190.3
115 59.4 47.8 71.6



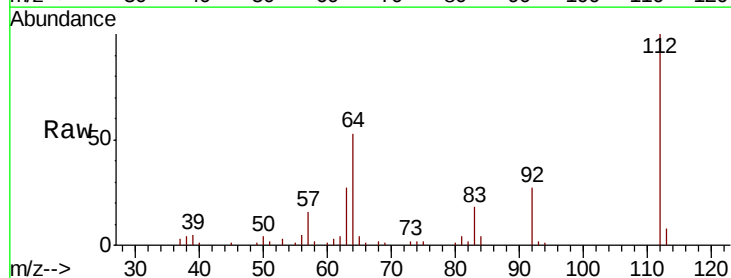
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



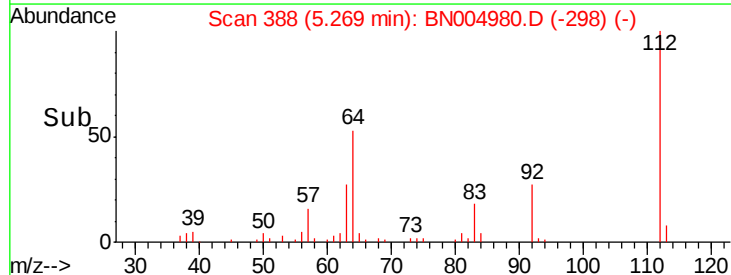
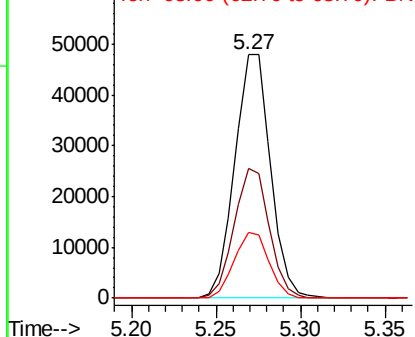
#5

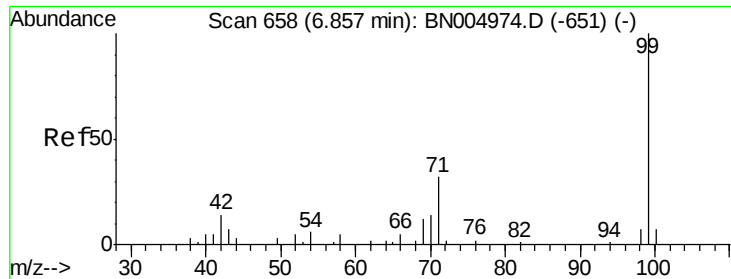
2-Fluorophenol
Concen: 126.178 ng
RT: 5.27 min Scan# 388
Delta R.T. 0.00 min
Lab File: BN004980.D
Acq: 26 Mar 2019 17:18

Tgt Ion:112 Resp: 70661
Ion Ratio Lower Upper
112 100
64 53.4 41.9 62.9
63 27.2 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: 123.073 ng

RT: 6.86 min Scan# 658

Delta R.T. 0.00 min

Lab File: BN004980.D

Acq: 26 Mar 2019 17:18

Instrument :

BNA_N

ClientSampleId :

PB118273BL

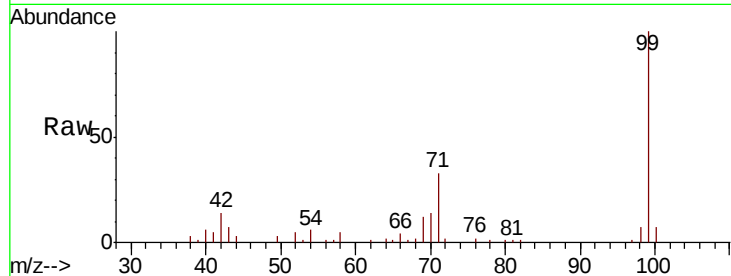
Tgt Ion: 99 Resp: 91414

Ion Ratio Lower Upper

99 100

42 14.2 11.4 17.0

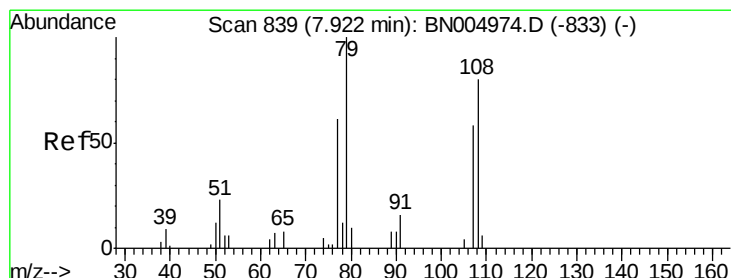
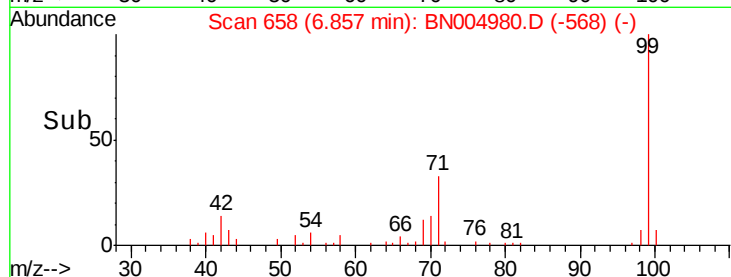
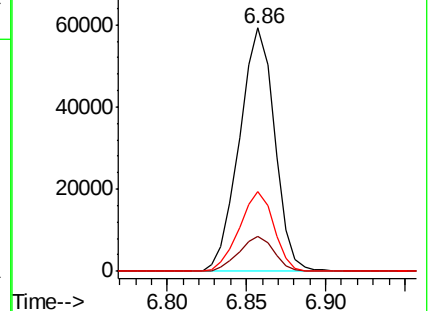
71 33.0 25.8 38.8



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) (-)



#15

Benzyl Alcohol

Concen: 1.366 ng

RT: 7.99 min Scan# 851

Delta R.T. 0.07 min

Lab File: BN004980.D

Acq: 26 Mar 2019 17:18

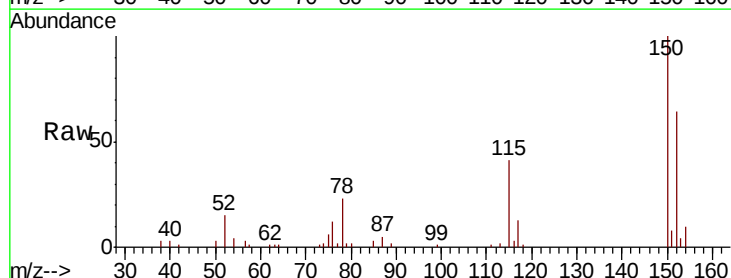
Tgt Ion: 79 Resp: 772

Ion Ratio Lower Upper

79 100

108 0.0 64.0 96.0#

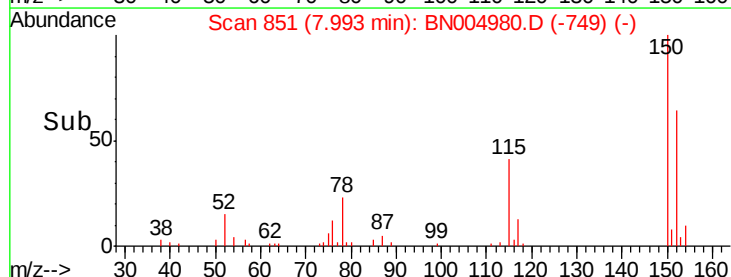
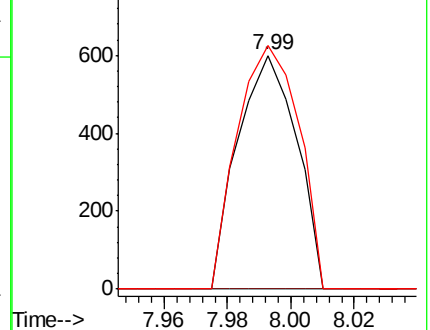
77 104.2 48.8 73.2#

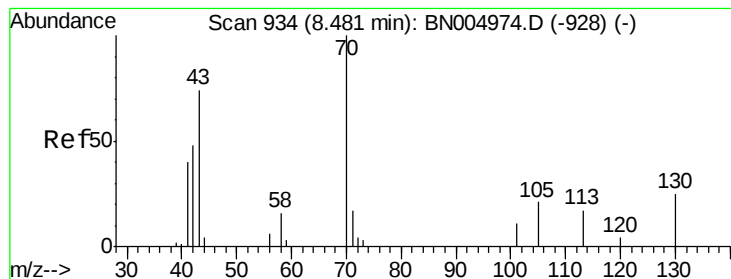


Abundance Ion 79.00 (78.70 to 79.70): BN004974.D (-833) (-)

Ion 108.00 (107.70 to 108.70): BN004974.D (-833) (-)

Ion 77.00 (76.70 to 77.70): BN004974.D (-833) (-)





#19

n-Nitroso-di-n-propylamine

Concen: 13.626 ng

RT: 8.84 min Scan# 995

Delta R.T. 0.36 min

Lab File: BN004980.D

Acq: 26 Mar 2019 17:18

Instrument :

BNA_N

ClientSampleId :

PB118273BL

Tgt Ion: 70 Resp: 6635

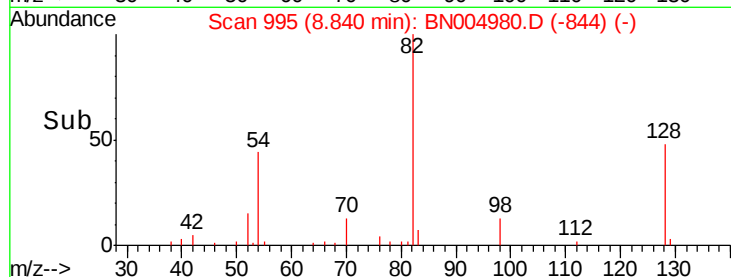
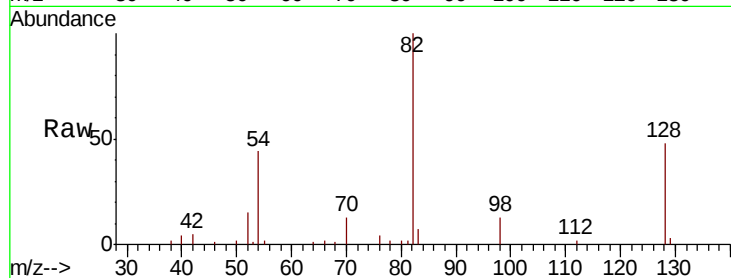
Ion Ratio Lower Upper

70 100

42 40.3 38.4 57.6

101 0.0 8.8 13.2#

130 0.0 19.8 29.8#

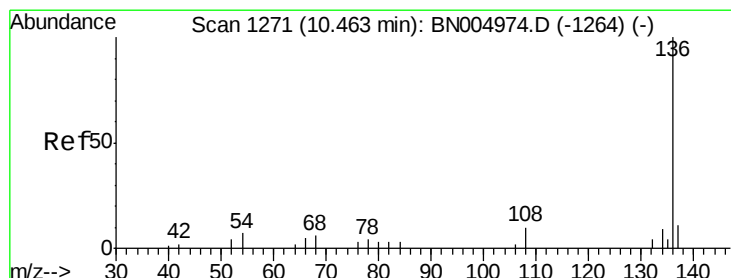
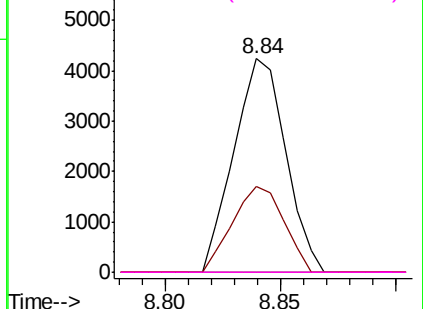


Abundance Ion 70.00 (69.70 to 70.70): BN0

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: 10.46 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BN004980.D

Acq: 26 Mar 2019 17:18

Tgt Ion: 136 Resp: 37983

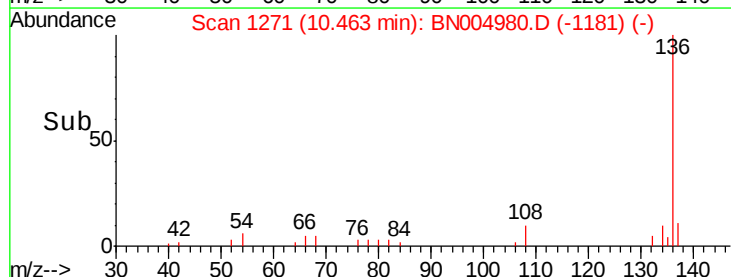
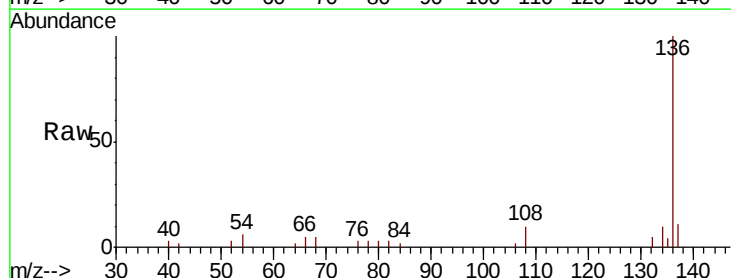
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.5 5.3 7.9

68 5.4 4.6 6.8

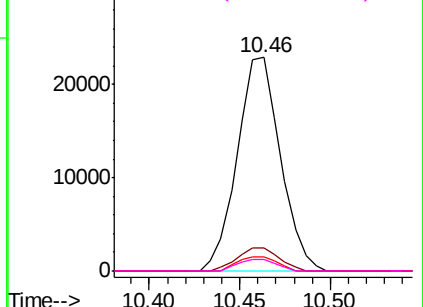


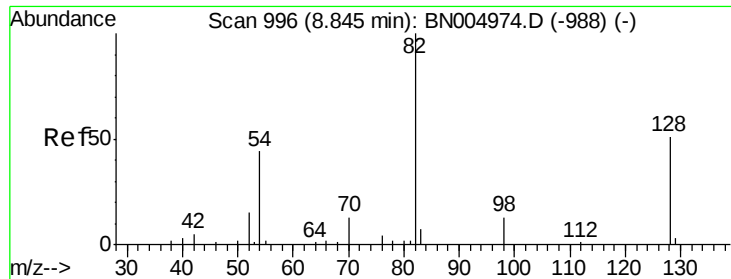
Abundance Ion 136.00 (135.70 to 136.70): E

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

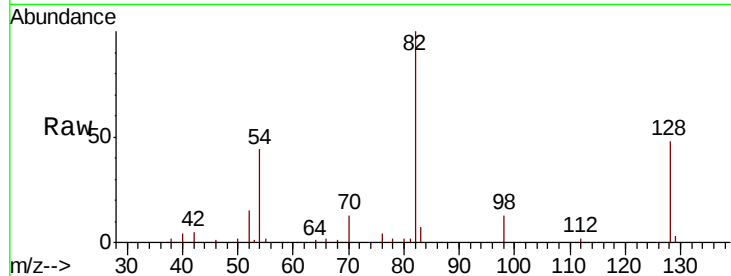




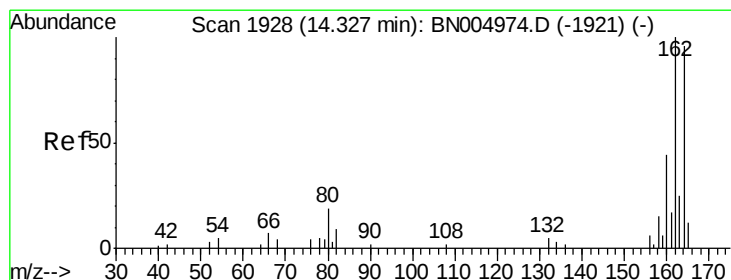
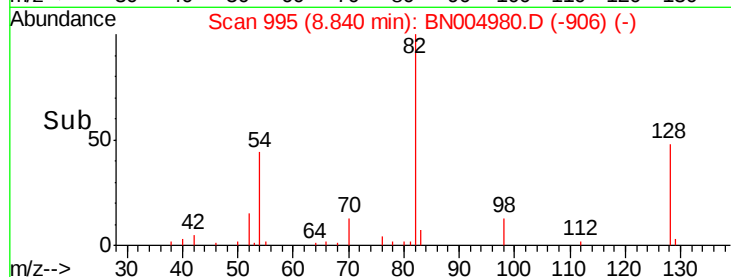
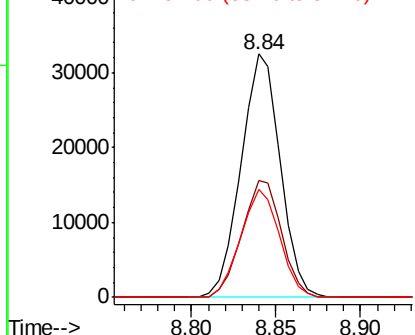
#23
Nitrobenzene-d5
Concen: 83.648 ng
RT: 8.84 min Scan# 995
Delta R.T. -0.01 min
Lab File: BN004980.D
Acq: 26 Mar 2019 17:18

Instrument :
BNA_N
ClientSampleId :
PB118273BL

Tgt Ion: 82 Resp: 52523
Ion Ratio Lower Upper
82 100
128 47.8 40.6 60.8
54 44.4 35.2 52.8

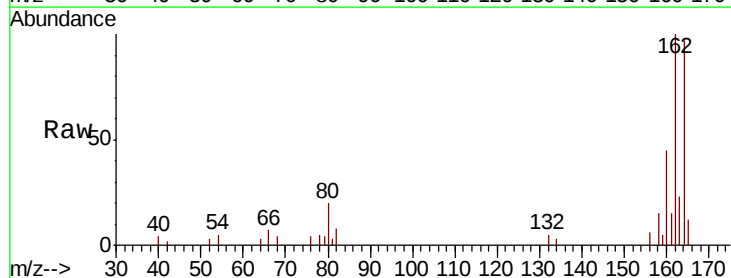


Abundance Ion 82.00 (81.70 to 82.70): BN0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BN0

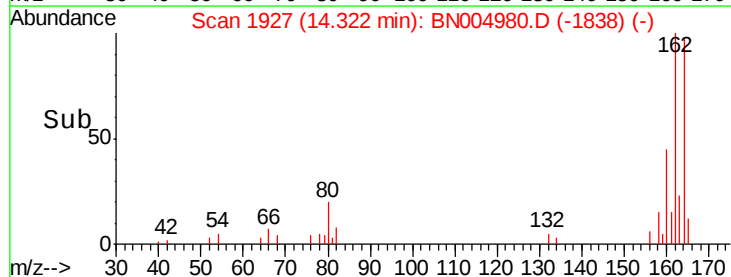
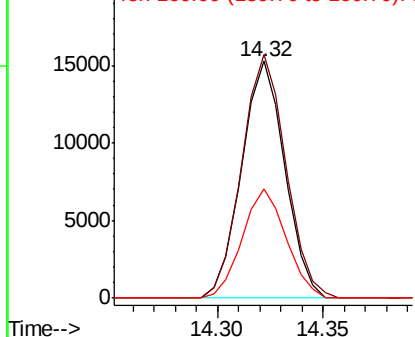


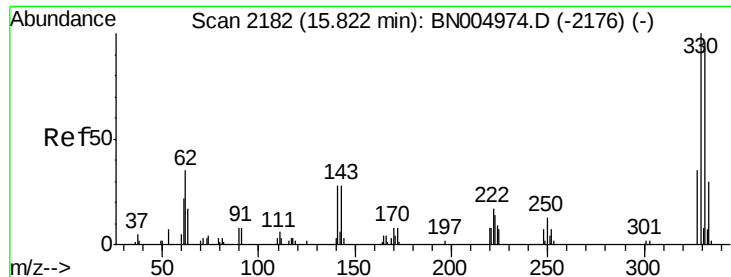
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BN004980.D
Acq: 26 Mar 2019 17:18

Tgt Ion: 164 Resp: 21601
Ion Ratio Lower Upper
164 100
162 102.9 83.4 125.0
160 45.9 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

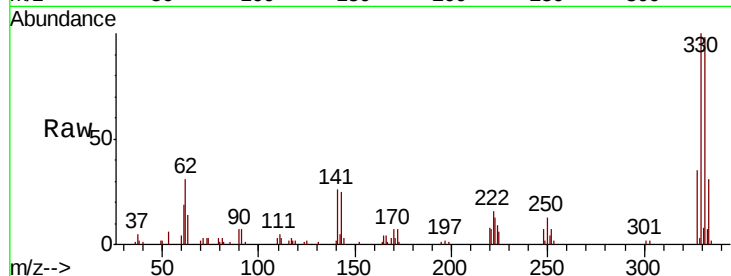




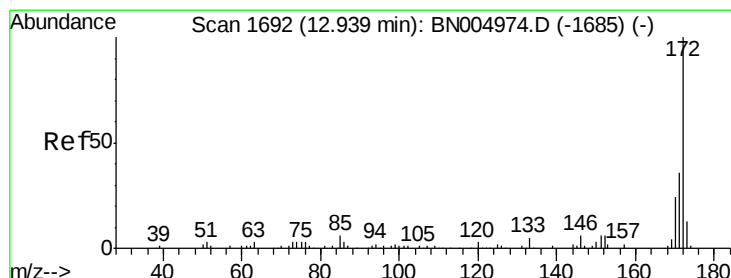
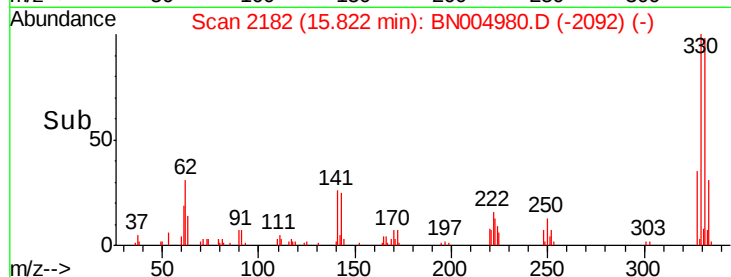
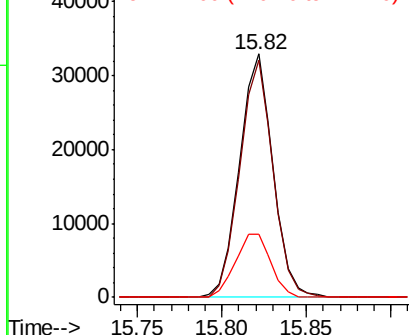
#42
 2,4,6-Tribromophenol
 Concen: 130.058 ng
 RT: 15.82 min Scan# 2182
 Delta R.T. 0.00 min
 Lab File: BN004980.D
 Acq: 26 Mar 2019 17:18

Instrument :
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 ClientSampleId :
 PB118273BL

Tgt Ion:330 Resp: 45310
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.0
 141 27.3 22.1 33.1

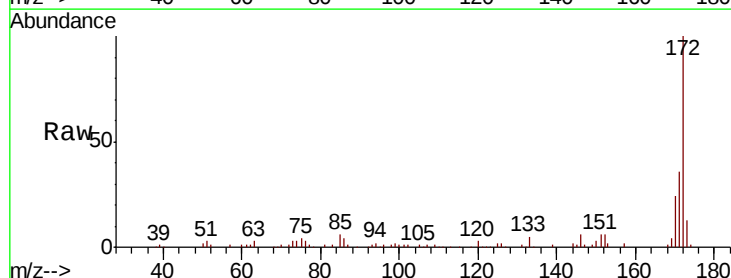


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

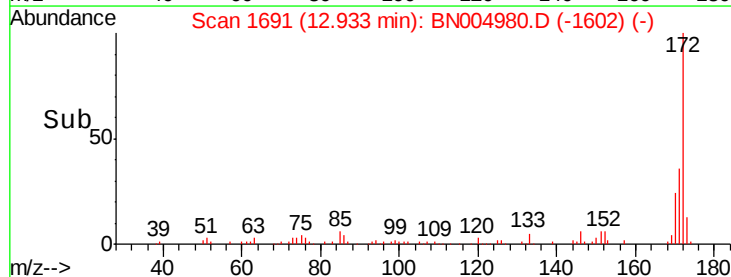
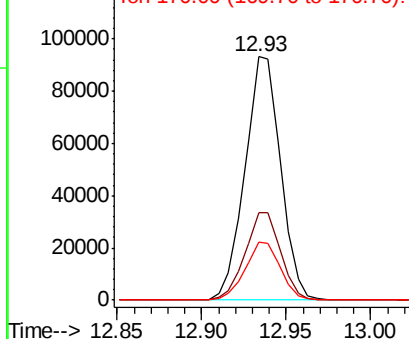


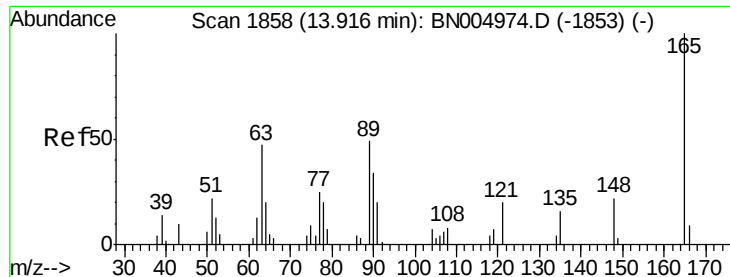
#45
 2-Fluorobiphenyl
 Concen: 84.001 ng
 RT: 12.93 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BN004980.D
 Acq: 26 Mar 2019 17:18

Tgt Ion:172 Resp: 136931
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 42.8
 170 23.6 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

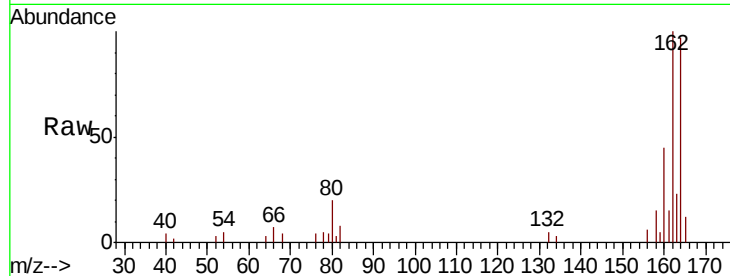




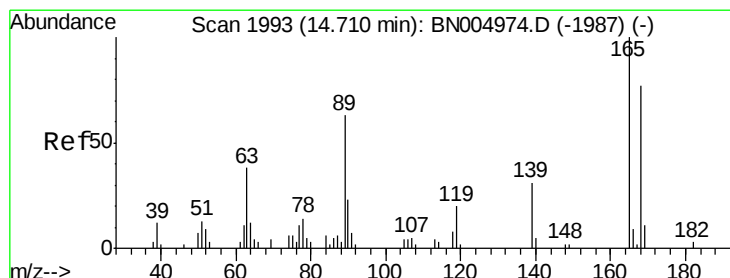
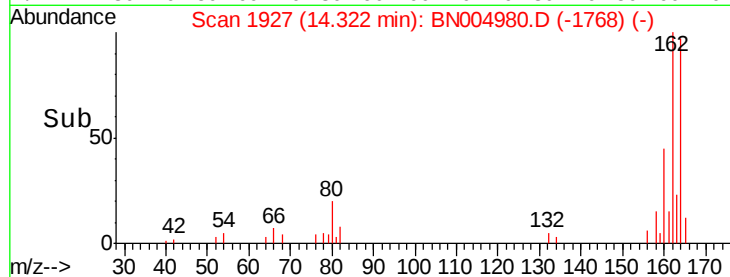
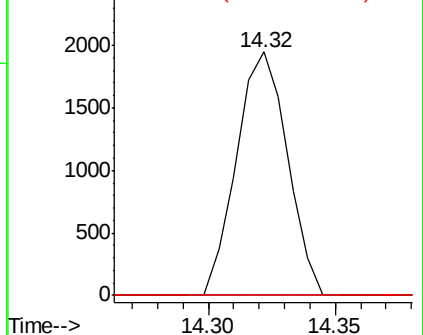
#51
 2,6-Dinitrotoluene
 Concen: 6.748 ng
 RT: 14.32 min Scan# 1927
 Delta R.T. 0.41 min
 Lab File: BN004980.D
 Acq: 26 Mar 2019 17:18

Instrument :
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Tgt Ion:165 Resp: 2725
 Ion Ratio Lower Upper
 165 100
 63 0.0 37.3 55.9#
 89 0.0 39.2 58.8#

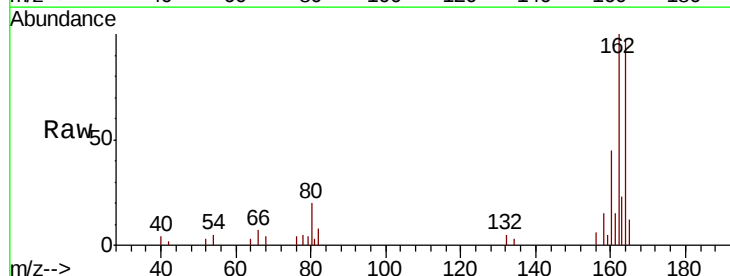


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNC
 Ion 89.00 (88.70 to 89.70): BNC

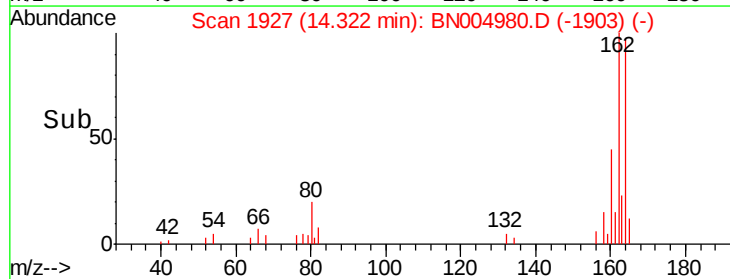
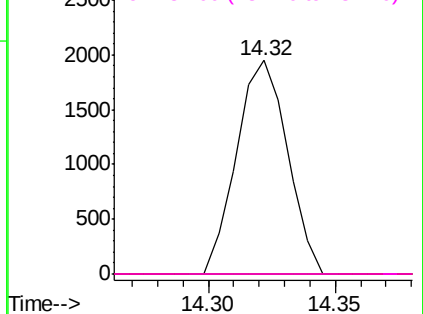


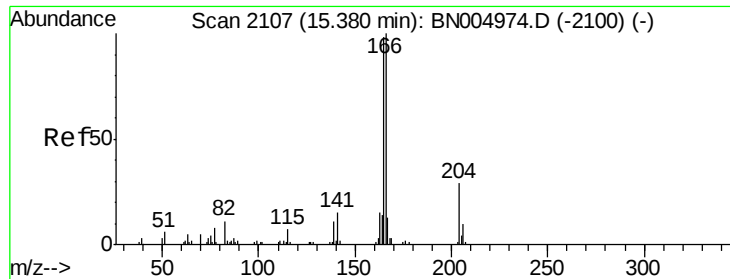
#57
 2,4-Dinitrotoluene
 Concen: 4.965 ng
 RT: 14.32 min Scan# 1927
 Delta R.T. -0.39 min
 Lab File: BN004980.D
 Acq: 26 Mar 2019 17:18

Tgt Ion:165 Resp: 2725
 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





#58

Fluorene

Concen: 0.991 ng

RT: 15.82 min Scan# 2182

Delta R.T. 0.44 min

Lab File: BN004980.D

Acq: 26 Mar 2019 17:18

Instrument :

BNA_N

ClientSampleId :

PB118273BL

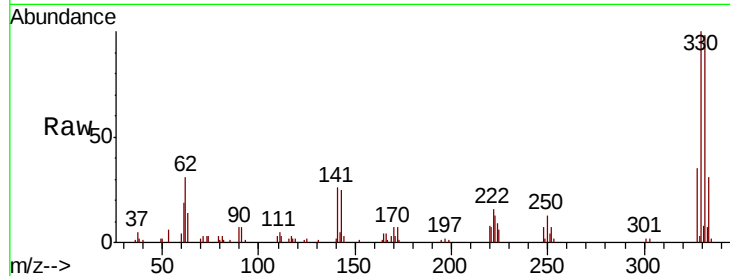
Tgt Ion:166 Resp: 1691

Ion Ratio Lower Upper

166 100

165 102.4 78.3 117.5

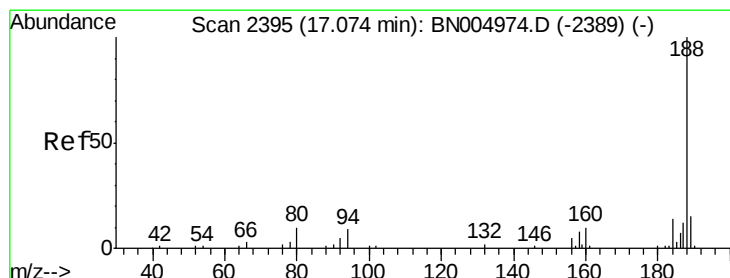
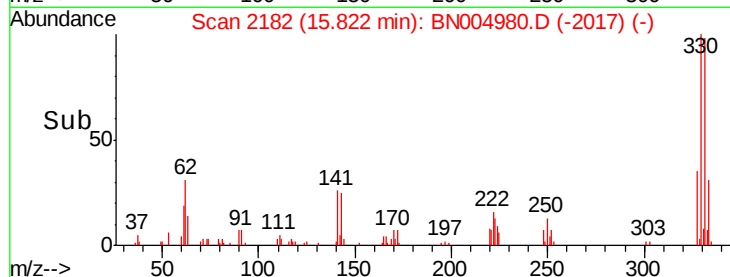
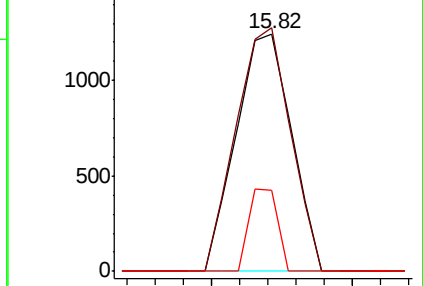
167 33.9 10.6 15.8#



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BN004980.D

Acq: 26 Mar 2019 17:18

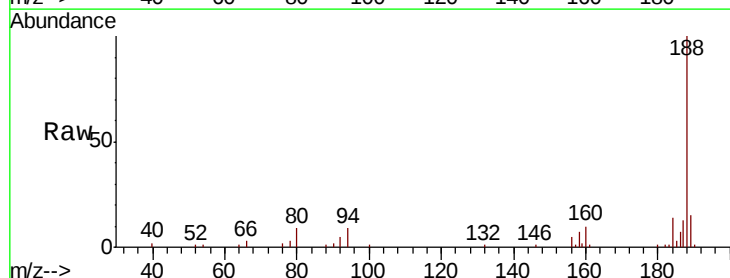
Tgt Ion:188 Resp: 49604

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

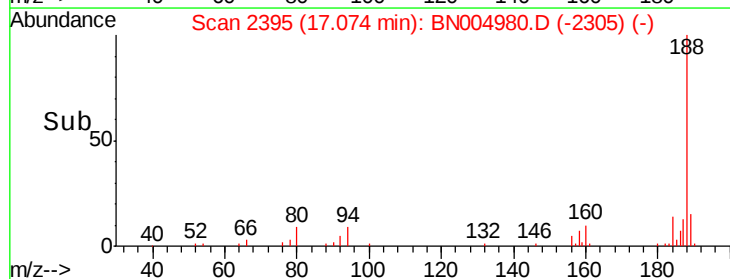
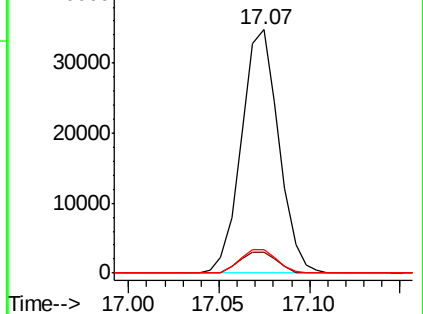
80 9.4 7.8 11.6

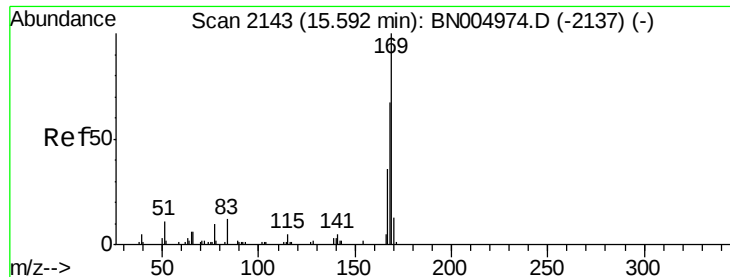


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

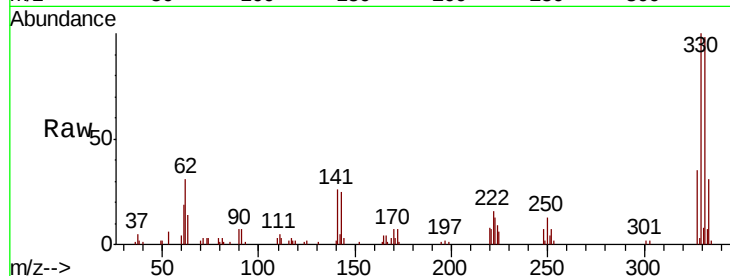




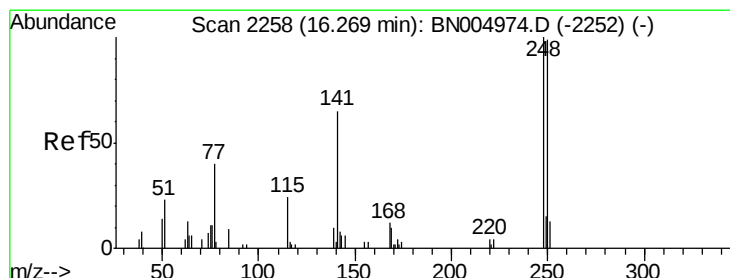
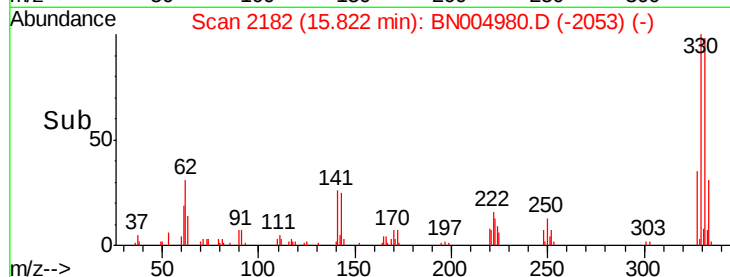
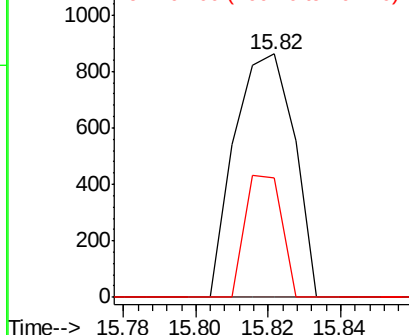
#66
 n-Nitrosodiphenylamine
 Concen: 0.628 ng
 RT: 15.82 min Scan# 2182
 Delta R.T. 0.23 min
 Lab File: BN004980.D
 Acq: 26 Mar 2019 17:18

Instrument :
 BNA_N
 ClientSampleId :
 PB118273BL

Tgt Ion:169 Resp: 981
 Ion Ratio Lower Upper
 169 100
 168 0.0 53.4 80.2#
 167 49.1 28.9 43.3#

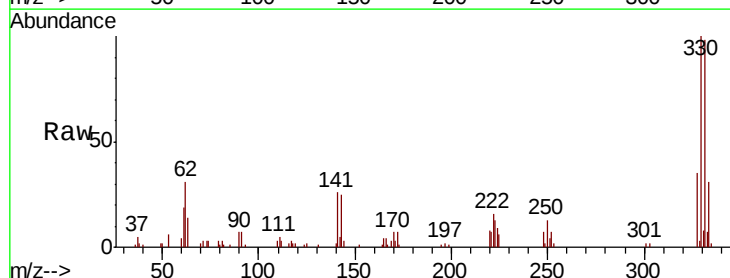


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

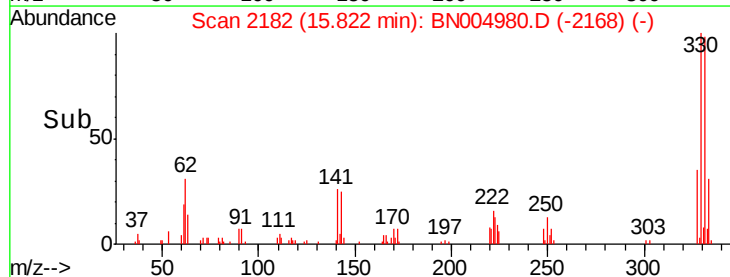
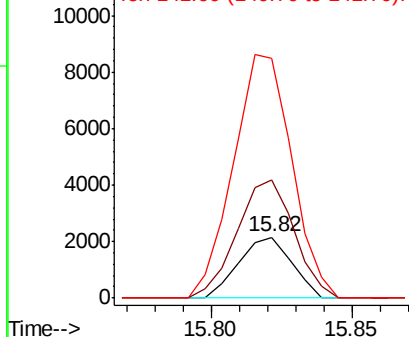


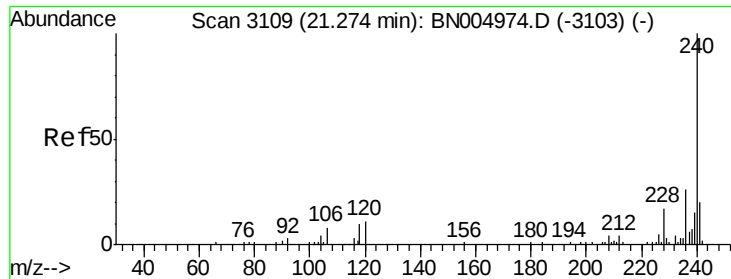
#67
 4-Bromophenyl-phenylether
 Concen: 4.541 ng
 RT: 15.82 min Scan# 2182
 Delta R.T. -0.45 min
 Lab File: BN004980.D
 Acq: 26 Mar 2019 17:18

Tgt Ion:248 Resp: 2811
 Ion Ratio Lower Upper
 248 100
 250 193.4 79.4 119.2#
 141 393.0 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: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BN004980.D

Acq: 26 Mar 2019 17:18

Instrument :

BNA_N

ClientSampleId :

PB118273BL

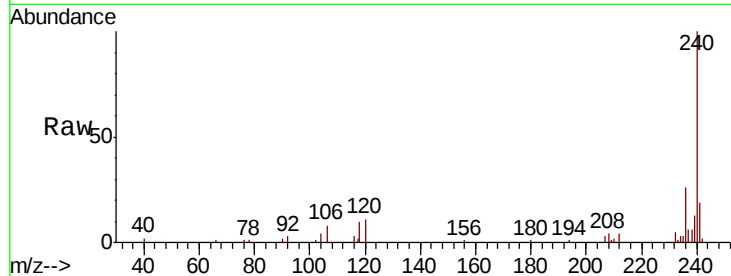
Tgt Ion:240 Resp: 46598

Ion Ratio Lower Upper

240 100

120 10.8 8.5 12.7

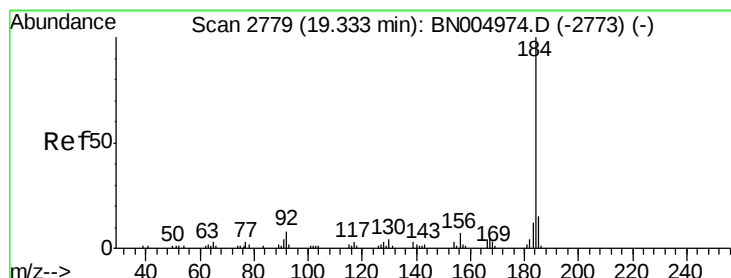
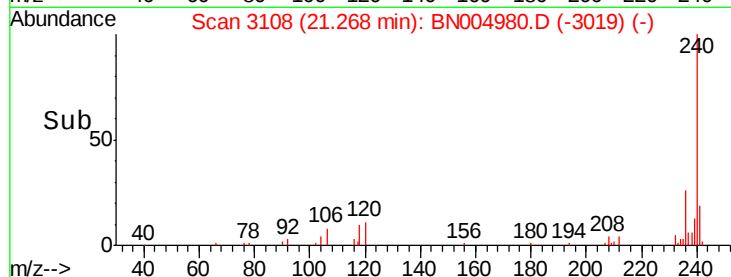
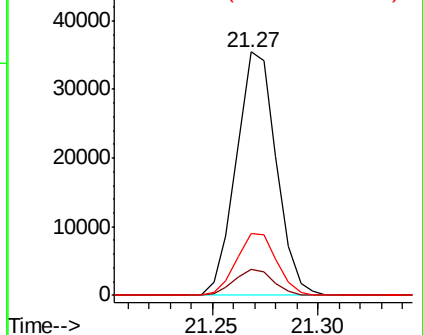
236 25.6 21.2 31.8



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: 1.681 ng

RT: 19.70 min Scan# 2842

Delta R.T. 0.37 min

Lab File: BN004980.D

Acq: 26 Mar 2019 17:18

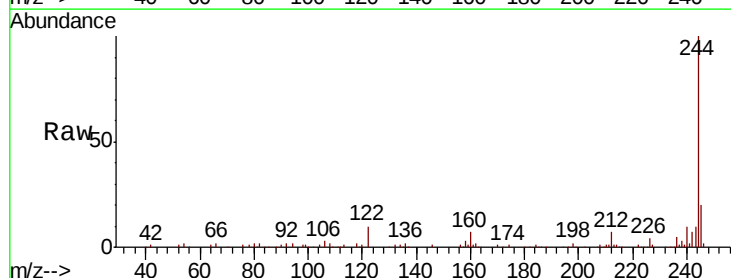
Tgt Ion:184 Resp: 2441

Ion Ratio Lower Upper

184 100

185 16.4 11.8 17.8

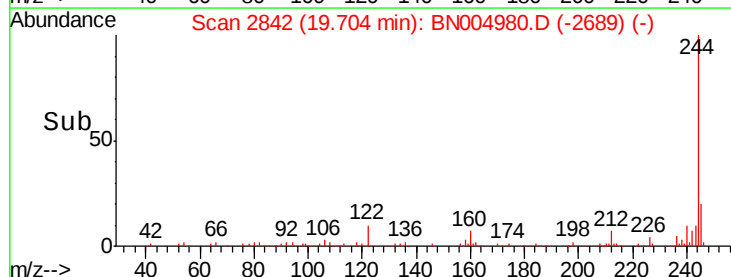
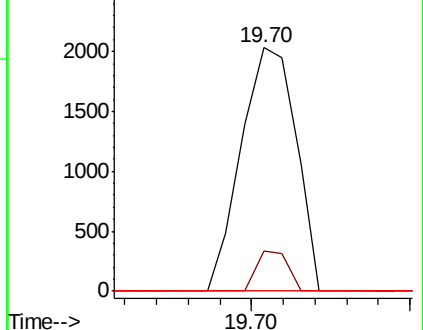
183 0.0 9.9 14.9#

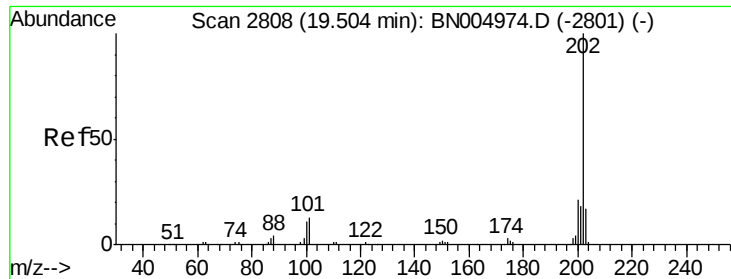


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pyrene

Concen: 0.158 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.21 min

Lab File: BN004980.D

Acq: 26 Mar 2019 17:18

Instrument :

BNA_N

ClientSampleId :

PB118273BL

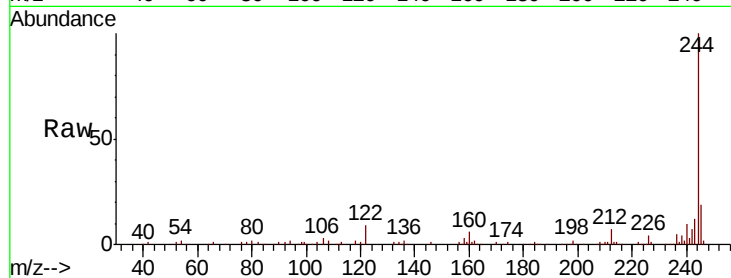
Tgt Ion: 202 Resp: 491

Ion Ratio Lower Upper

202 100

200 0.0 17.0 25.4#

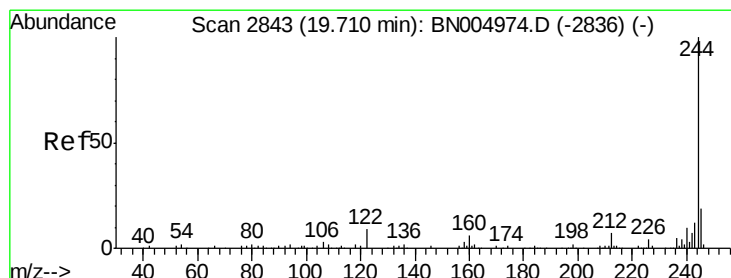
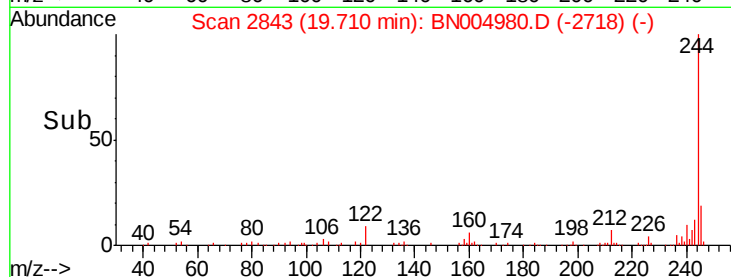
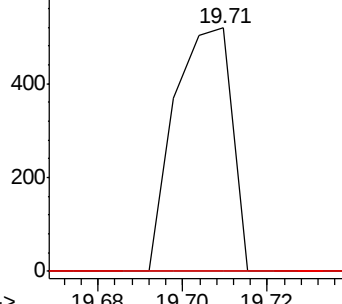
203 0.0 14.0 21.0#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 83.545 ng

RT: 19.70 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BN004980.D

Acq: 26 Mar 2019 17:18

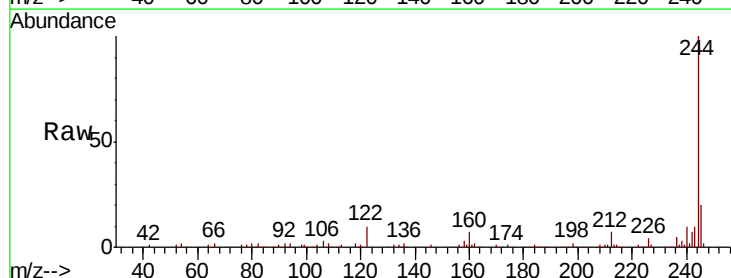
Tgt Ion: 244 Resp: 202210

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

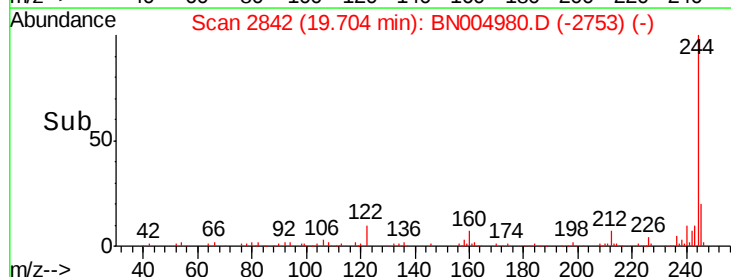
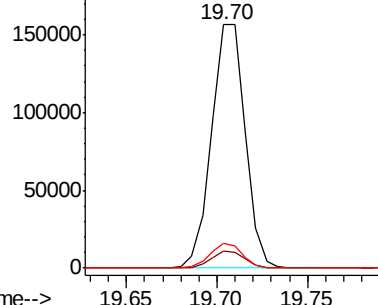
122 10.3 7.4 11.2

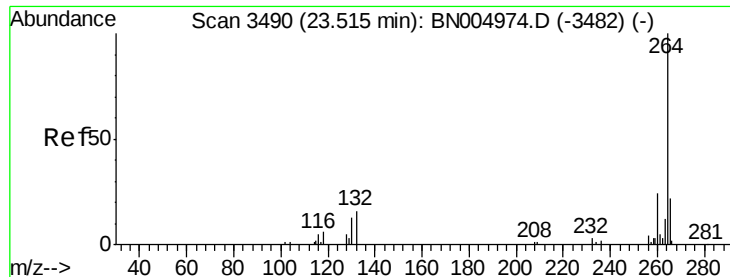


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.52 min Scan# 3490

Delta R.T. 0.00 min

Lab File: BN004980.D

Acq: 26 Mar 2019 17:18

Instrument :

BNA_N

ClientSampleId :

PB118273BL

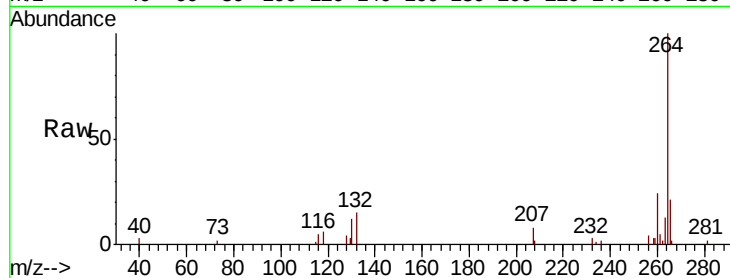
Tgt Ion: 264 Resp: 42901

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 21.3 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

