

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
 Data File : BN009978.D
 Acq On : 27 Feb 2020 23:41
 Operator : CG/JU
 Sample : SP5067
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 28 01:16:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 26 07:56:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	85286	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	401970	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	263966	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.78	188	556574	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	476766	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	523939	20.00	ng/ul	0.00

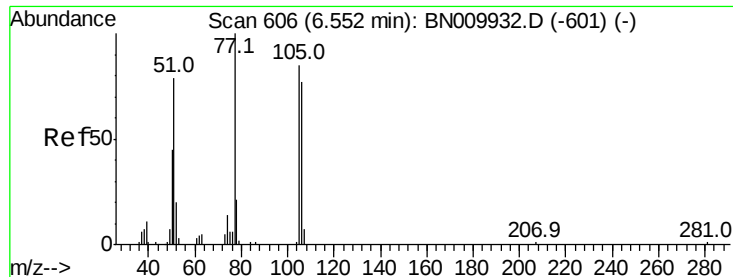
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	6.60	67	20998	4.19	ng/ul	-0.14
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	8.18	113	55908	9.69	ng/ul	0.08
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	10.12	131	432	0.06	ng/ul	-0.16
44) Dimethylphthalate-d6	0.00	166	0	0.00	ng/ul	
47) Acenaphthylene-d8	0.00	160	0	0.00	ng/ul	
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	0.00	176	0	0.00	ng/ul	
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	16.78	188	556574	21.82	ng/ul	-0.10
79) Pyrene-d10	19.19	212	627	0.03	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.10	264	513862	19.64	ng/ul	0.13

Target Compounds

					Ovalue	
4) Benzaldehyde	6.60	77	6345	1.315	ng/ul#	3
6) Phenol	6.60	94	571811	73.556	ng/ul	92
8) Bis(2-Chloroethyl)ether	6.95	93	10599	1.735	ng/ul#	1
10) 2-Chlorophenol	6.95	128	452133	78.595	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.18	70	438733	89.297	ng/ul	95
33) 4-Chloro-3-methylphenol	11.43	107	528593	74.084	ng/ul	99
50) Acenaphthene	14.08	153	1169425	67.872	ng/ul	99
53) 4-Nitrophenol	14.28	109	210925	64.915	ng/ul	87
55) 2,4-Dinitrotoluene	14.42	165	422736	70.820	ng/ul#	81
68) Atrazine	16.44	200	42411	6.770	ng/ul#	33
69) Pentachlorophenol	16.44	266	227142	63.780	ng/ul	90
80) Pyrene	19.22	202	2530142	73.609	ng/ul	98

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



#4

Benzaldehyde

Concen: 1.315 ng/ul

RT: 6.60 min Scan# 615

Delta R.T. 0.05 min

Lab File: BN009978.D

Acq: 27 Feb 2020 23:41

Instrument :

BNA_N

ClientSampled :

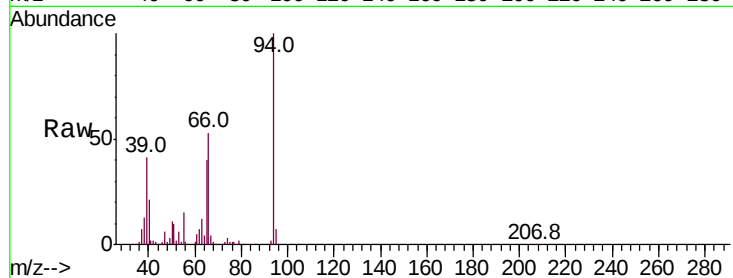
Tot Ion: 77 Resp: 6345

Ion Ratio Lower Upper

77 100

105 0.0 78.2 117.2#

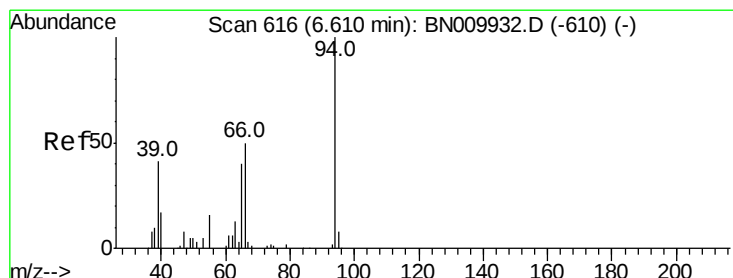
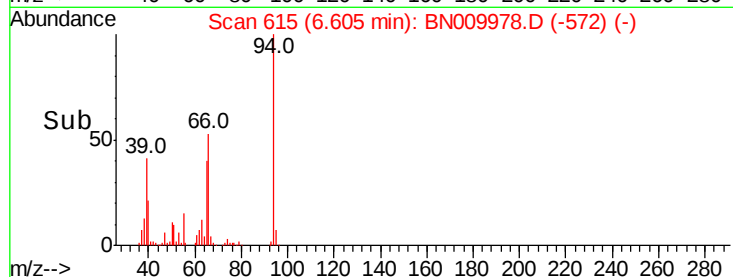
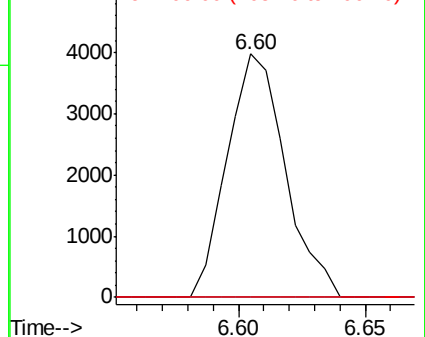
106 0.0 70.9 106.3#



Abundance Ion 77.00 (76.70 to 77.70): BNC

Ion 105.00 (104.70 to 105.70): BNC

Ion 106.00 (105.70 to 106.70): BNC



#6

Phenol

Concen: 73.556 ng/ul

RT: 6.60 min Scan# 615

Delta R.T. -0.01 min

Lab File: BN009978.D

Acq: 27 Feb 2020 23:41

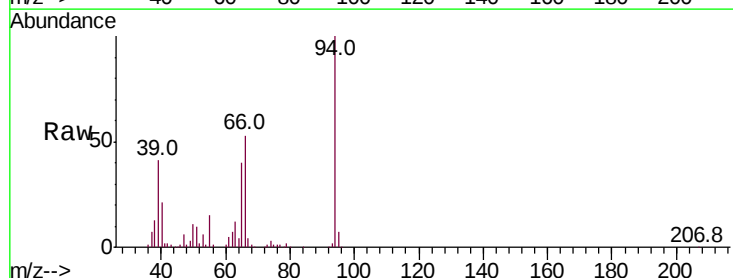
Tgt Ion: 94 Resp: 571811

Ion Ratio Lower Upper

94 100

65 40.2 27.6 41.4

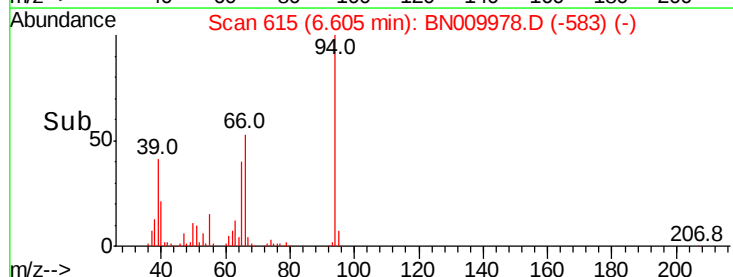
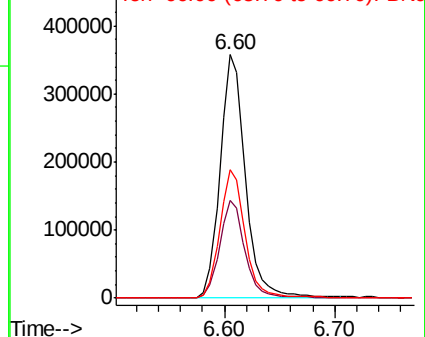
66 52.7 38.5 57.7

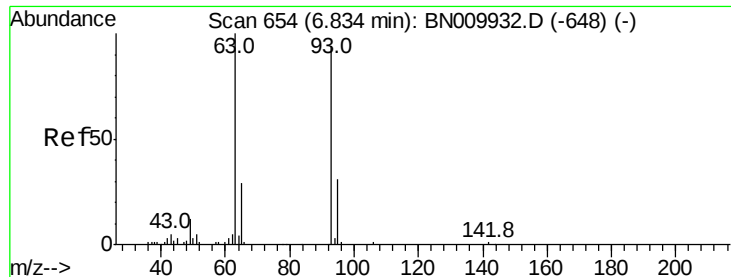


Abundance Ion 94.00 (93.70 to 94.70): BNC

Ion 65.00 (64.70 to 65.70): BNC

Ion 66.00 (65.70 to 66.70): BNC



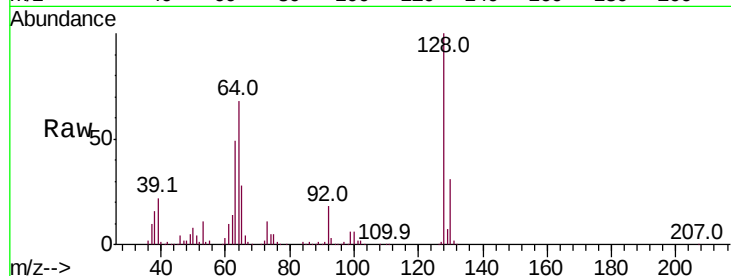


#8

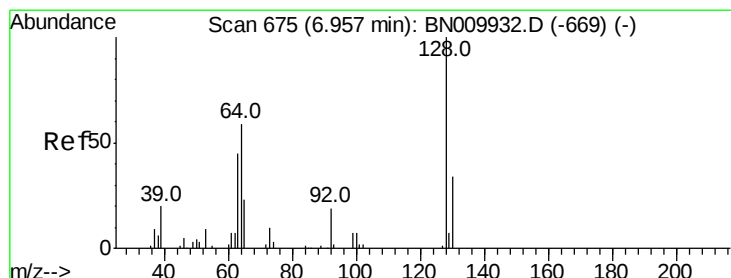
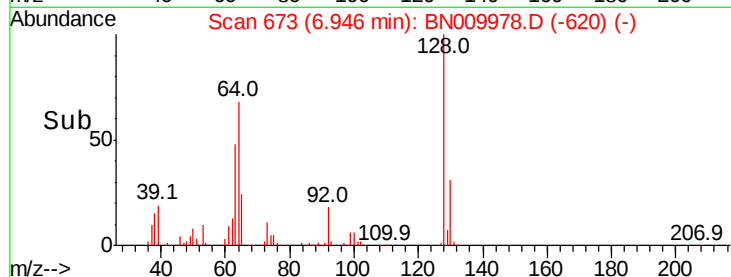
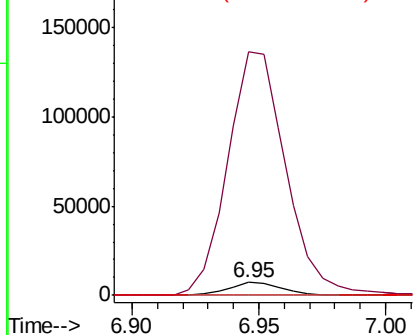
Bis(2-Chloroethyl)ether
 Concen: 1.735 ng/ul
 RT: 6.95 min Scan# 673
 Delta R.T. 0.11 min
 Lab File: BN009978.D
 Acq: 27 Feb 2020 23:41

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion: 93 Resp: 10599
 Ion Ratio Lower Upper
 93 100
 63 1883.9 82.7 124.1#
 95 4.2 26.6 40.0#



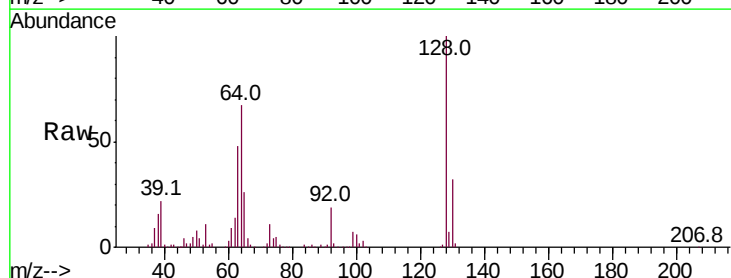
Abundance Ion 93.00 (92.70 to 93.70): BN0
 Ion 63.00 (62.70 to 63.70): BN0
 Ion 95.00 (94.70 to 95.70): BN0



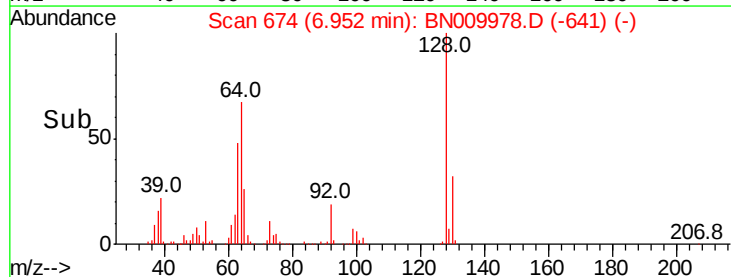
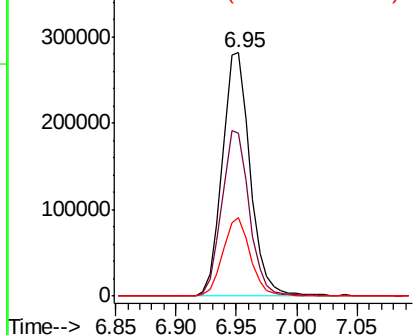
#10

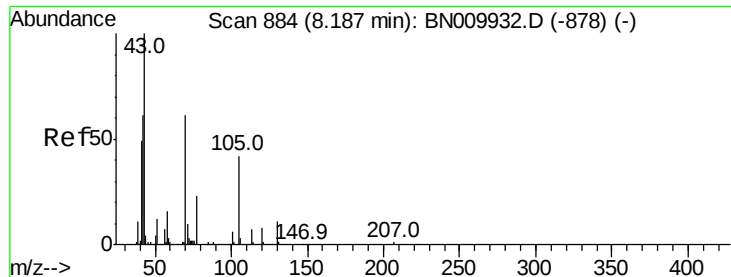
2-Chlorophenol
 Concen: 78.595 ng/ul
 RT: 6.95 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BN009978.D
 Acq: 27 Feb 2020 23:41

Tgt Ion:128 Resp: 452133
 Ion Ratio Lower Upper
 128 100
 64 66.9 52.5 78.7
 130 32.2 24.4 36.6



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 64.00 (63.70 to 64.70): BN0
 Ion 130.00 (129.70 to 130.70): E





#15

N-Nitroso-di-n-propylamine

Concen: 89.297 ng/ul

RT: 8.18 min Scan# 883

Delta R.T. -0.01 min

Lab File: BN009978.D

Acq: 27 Feb 2020 23:41

Instrument :

BNA_N

ClientSampleId :

Tot Ion: 70 Resp: 438733

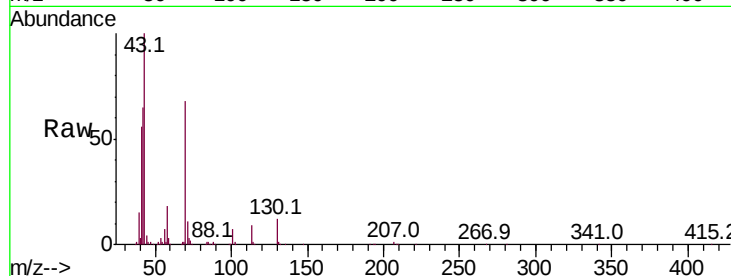
Ion Ratio Lower Upper

70 100

42 96.2 72.6 108.8

101 9.9 7.7 11.5

130 18.2 14.7 22.1

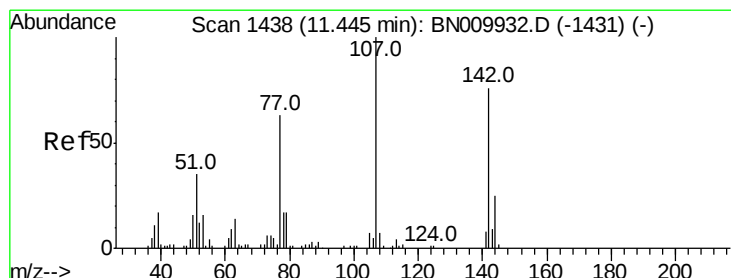
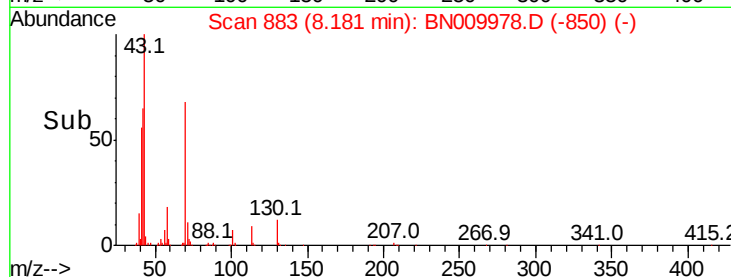
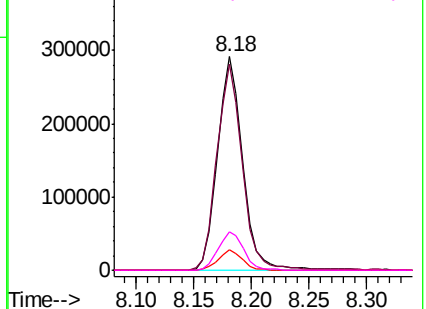


Abundance Ion 70.00 (69.70 to 70.70): BN0

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



#33

4-Chloro-3-methylphenol

Concen: 74.084 ng/ul

RT: 11.43 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BN009978.D

Acq: 27 Feb 2020 23:41

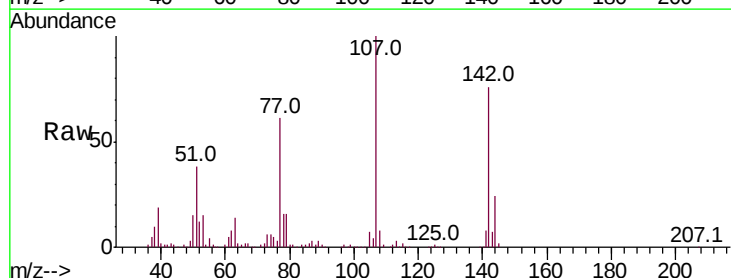
Tgt Ion: 107 Resp: 528593

Ion Ratio Lower Upper

107 100

144 24.0 19.3 28.9

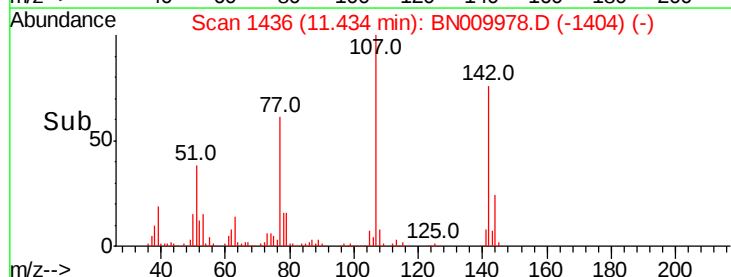
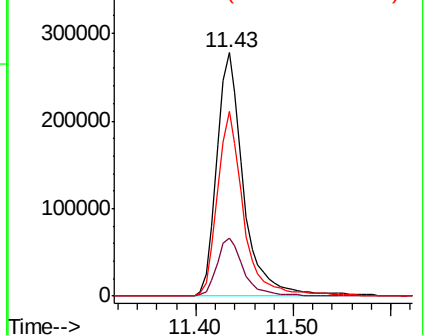
142 75.8 59.5 89.3

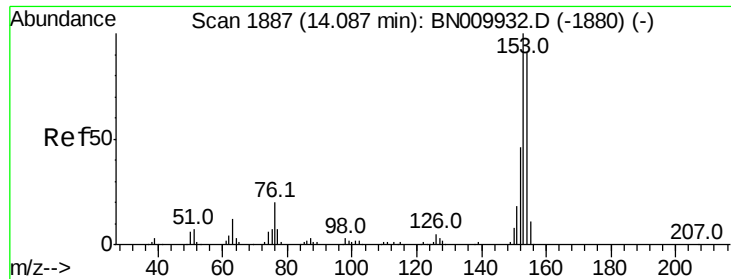


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#50

Acenaphthene

Concen: 67.872 ng/ul

RT: 14.08 min Scan# 1886

Delta R.T. -0.01 min

Lab File: BN009978.D

Acq: 27 Feb 2020 23:41

Instrument :

BNA_N

ClientSampled :

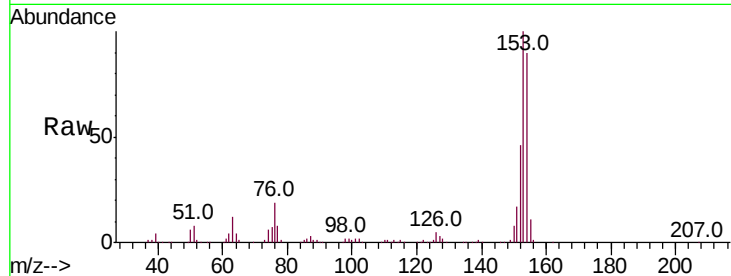
Tot Ion:153 Resp: 1169425

Ion Ratio Lower Upper

153 100

152 46.0 36.6 54.8

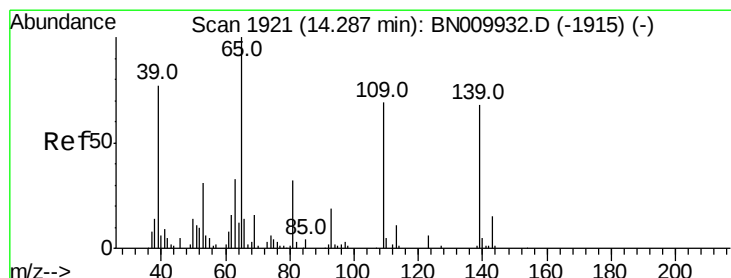
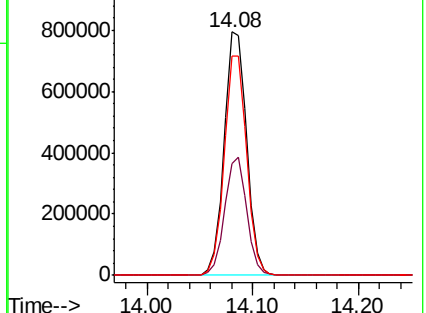
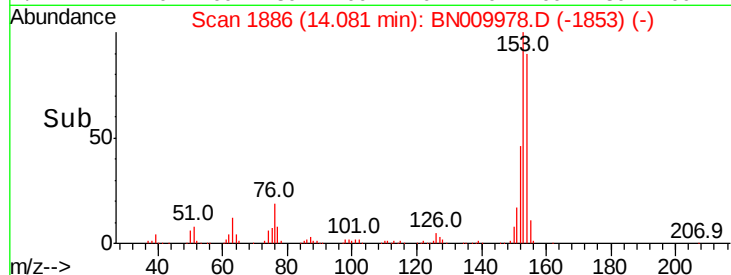
154 90.1 70.6 106.0



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

4-Nitrophenol

Concen: 64.915 ng/ul

RT: 14.28 min Scan# 1920

Delta R.T. -0.01 min

Lab File: BN009978.D

Acq: 27 Feb 2020 23:41

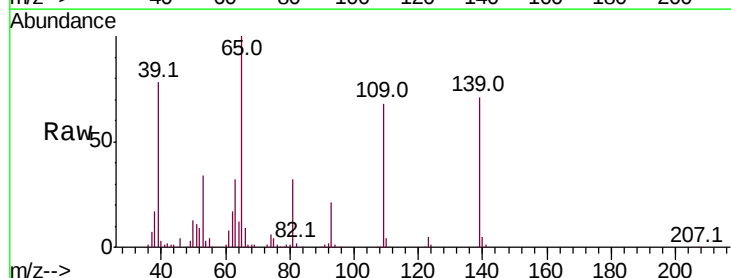
Tgt Ion:109 Resp: 210925

Ion Ratio Lower Upper

109 100

139 103.6 96.3 144.5

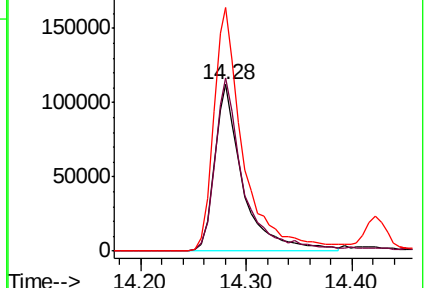
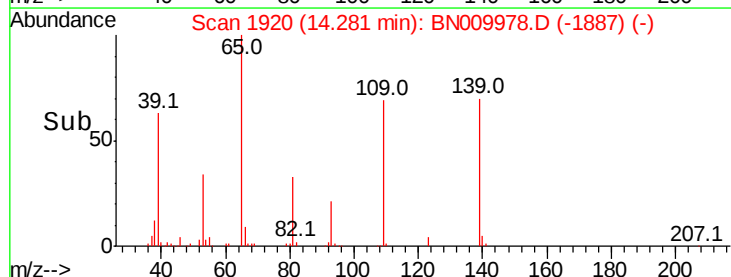
65 146.1 129.9 194.9

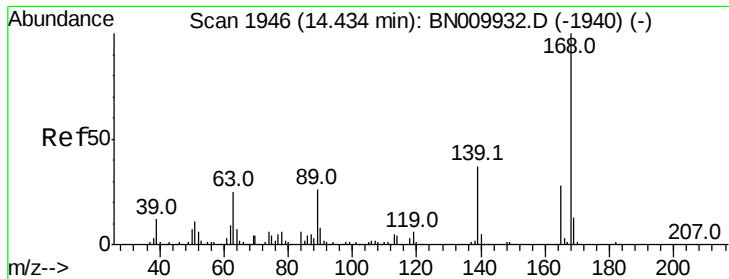


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNO

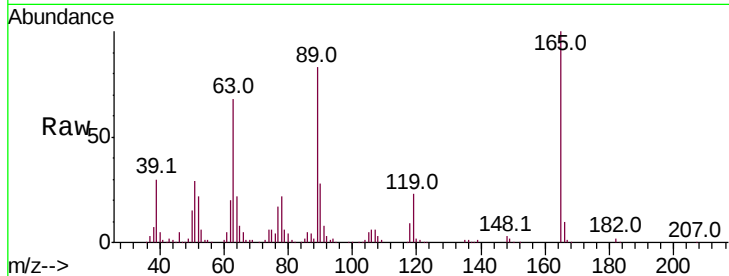




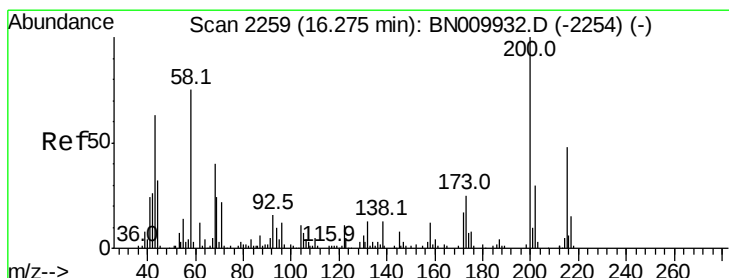
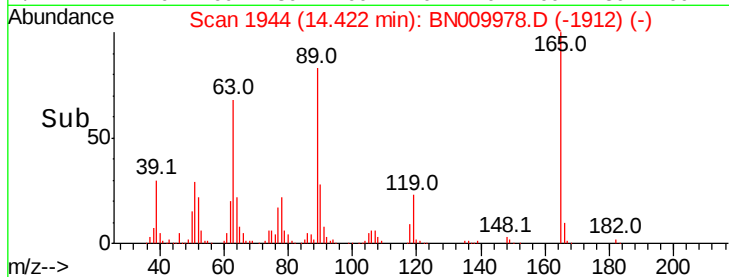
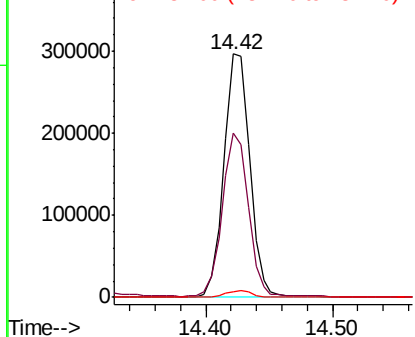
#55
 2,4-Dinitrotoluene
 Concen: 70.820 ng/ul
 RT: 14.42 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: BN009978.D
 Acq: 27 Feb 2020 23:41

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:165 Resp: 422736
 Ion Ratio Lower Upper
 165 100
 63 67.7 68.3 102.5#
 182 2.5 2.2 3.4

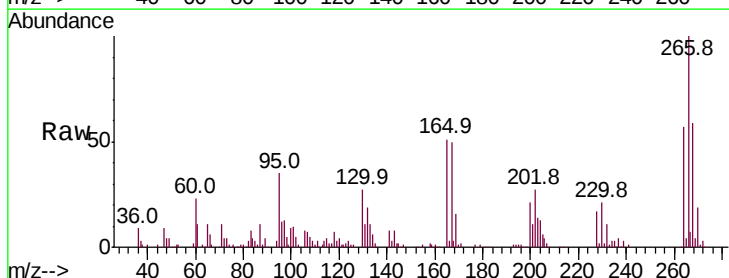


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BNO
 Ion 182.00 (181.70 to 182.70): E

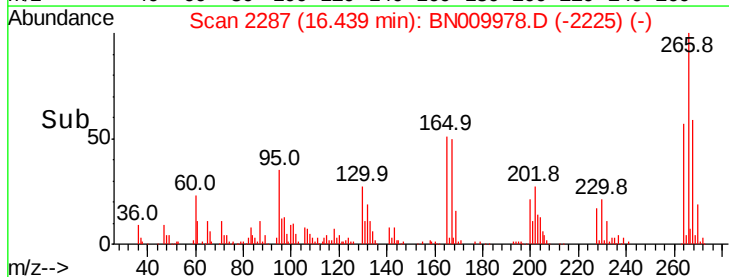
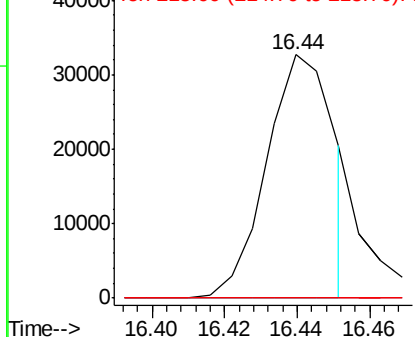


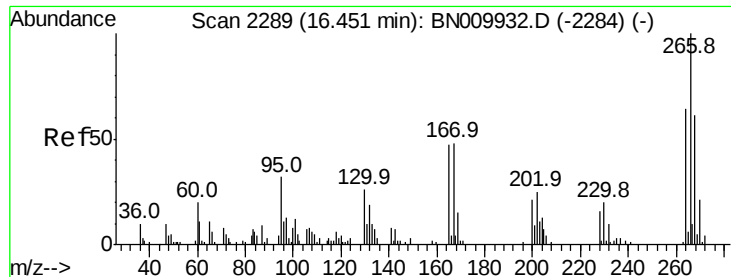
#68
 Atrazine
 Concen: 6.770 ng/ul
 RT: 16.44 min Scan# 2287
 Delta R.T. 0.16 min
 Lab File: BN009978.D
 Acq: 27 Feb 2020 23:41

Tgt Ion:200 Resp: 42411
 Ion Ratio Lower Upper
 200 100
 173 0.0 22.1 33.1#
 215 0.0 41.6 62.4#



Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 63.780 ng/ul

RT: 16.44 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BN009978.D

Acq: 27 Feb 2020 23:41

Instrument :

BNA_N

ClientSampleId :

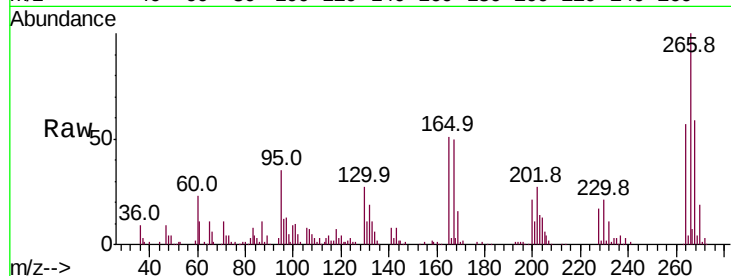
Tot Ion:266 Resp: 227142

Ion Ratio Lower Upper

266 100

264 56.6 52.9 79.3

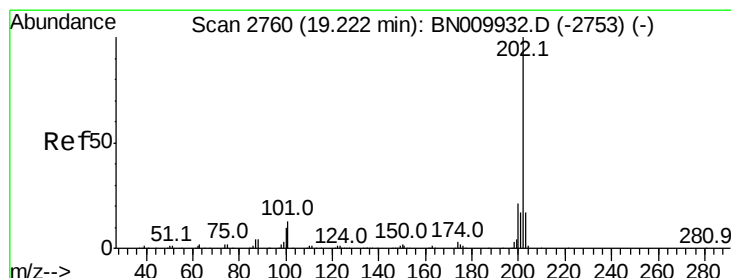
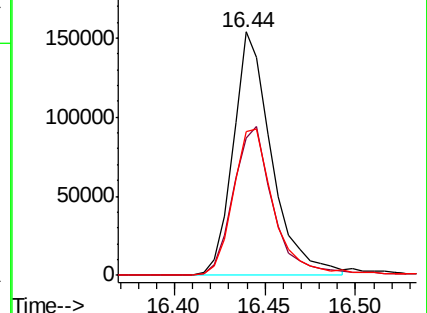
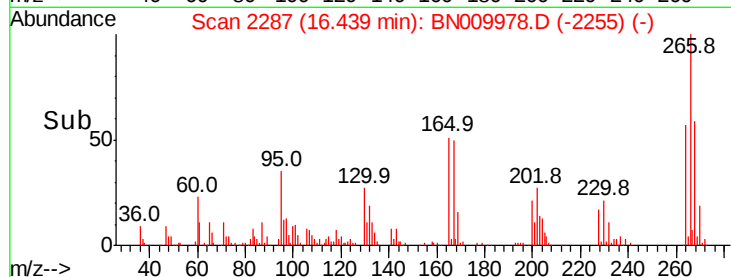
268 59.1 52.5 78.7



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#80

Pyrene

Concen: 73.609 ng/ul

RT: 19.22 min Scan# 2759

Delta R.T. -0.01 min

Lab File: BN009978.D

Acq: 27 Feb 2020 23:41

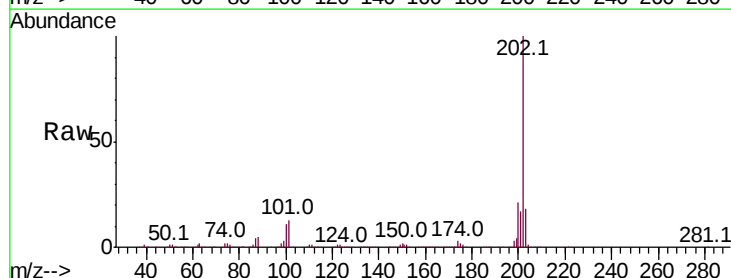
Tgt Ion:202 Resp: 2530142

Ion Ratio Lower Upper

202 100

101 12.9 11.3 16.9

100 11.0 9.0 13.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

