

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030819\
 Data File : BN004704.D
 Acq On : 09 Mar 2019 09:41
 Operator : JU/SJ
 Sample : K1762-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 11 00:29:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 08 00:36:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	38425	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	98858	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	378	20.00	ng/ul	-0.08
62) Phenanthrene-d10	17.11	188	5499	20.00	ng/ul	0.00
78) Chrysene-d12	21.31	240	497	20.00	ng/ul	0.00
86) Perylene-d12	0.00	264	0	0.00	ng/ul	-23.57

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2899	4.26	ng/uL	0.00
5) Phenol-d5	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	7.06	67	39142	23.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	1010	0.37	ng/ul	-0.08
13) 4-Methylphenol-d8	8.42	113	663	0.24	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	35911	47.65	ng/ul	0.00
22) 2-Nitrophenol-d4	9.59	143	6471	7.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.13	165	350	0.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	7668	3.92	ng/ul	0.00
44) Dimethylphthalate-d6	13.77	166	244358	7476.42	ng/ul	0.00
47) Acenaphthylene-d8	14.05	160	999	25.39	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.18	176	227	8.17	ng/ul	-0.18
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.11	188	5499	20.53	ng/ul	-0.10
79) Pyrene-d10	0.00	212	0	0.00	ng/ul	
90) Benzo(a)pyrene-d12	0.00	264	0	0.00	ng/ul	

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.26	88	5019	5.979	ng/uL	94
4) Benzaldehyde	6.88	77	11951	5.813	ng/ul	96
8) Bis(2-Chloroethyl)ether	7.14	93	120974	50.862	ng/ul#	48
14) Acetophenone	8.55	105	40835	9.861	ng/ul	99
20) Nitrobenzene	8.88	77	5903	3.815	ng/ul#	1
30) 4-Chloroaniline	10.65	127	72173	36.286	ng/ul#	44
32) Caprolactam	11.58	113	4061	7.467	ng/ul	88
40) 2,4,5-Trichlorophenol	12.79	196	443	47.265	ng/ul#	1
43) 2-Nitroaniline	13.31	65	1134	191.705	ng/ul#	1
45) Dimethylphthalate	13.82	163	437	13.627	ng/ul#	77
49) 3-Nitroaniline	14.27	138	567	90.059	ng/ul#	4
50) Acenaphthene	14.39	153	536	20.396	ng/ul#	1
51) 2,4-Dinitrophenol	14.36	184	277	65.822	ng/ul#	25
53) 4-Nitrophenol	14.66	109	3945	895.049	ng/ul#	1
54) Dibenzofuran	14.70	168	912	24.160	ng/ul#	1
55) 2,4-Dinitrotoluene	14.60	165	1596	166.404	ng/ul#	93
57) Diethylphthalate	15.19	149	4053	124.721	ng/ul	98
59) Fluorene	15.20	166	3421	112.948	ng/ul#	13
60) 4-Chlorophenyl-phenylether	15.16	204	235	14.615	ng/ul#	30
61) 4-Nitroaniline	15.20	138	8537	1155.196	ng/ul#	18
65) N-Nitrosodiphenylamine	15.47	169	484	2.890	ng/ul#	24
69) Pentachlorophenol	16.76	266	303	6.277	ng/ul#	19
75) Carbazole	17.39	167	5371	19.795	ng/ul#	82

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 08 00:36:35 2019
Response via : Initial Calibration

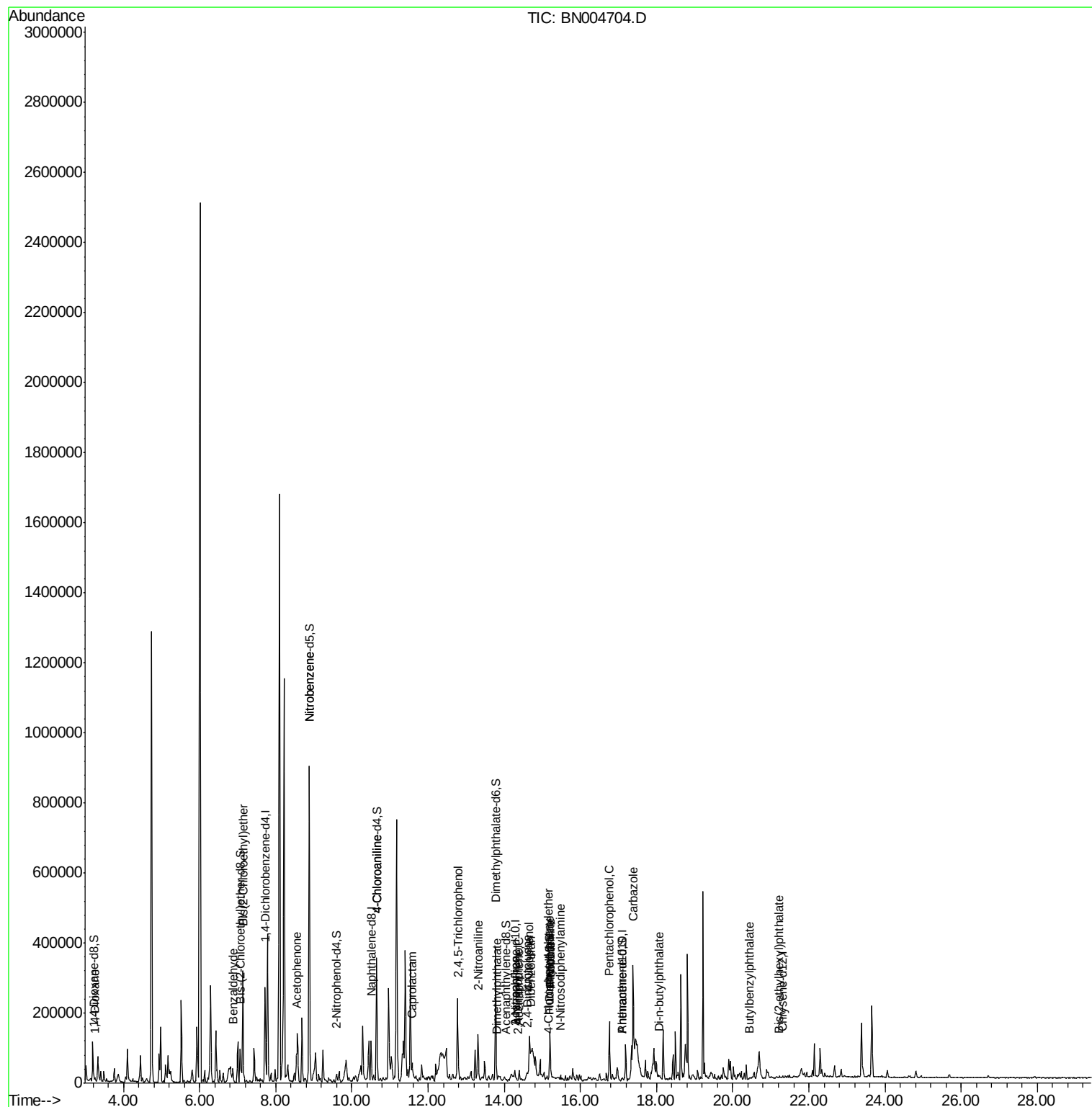
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) Di-n-butylphthalate	18.07	149	1644	4.886	ng/ul#	78
81) Butylbenzylphthalate	20.45	149	1071	86.573	ng/ul#	28
84) Bis(2-ethylhexyl)phthalate	21.21	149	389	21.637	ng/ul#	52

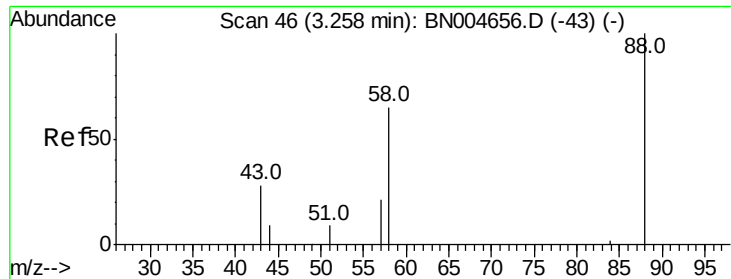
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 5.979 ng/uL

RT: 3.26 min Scan# 46

Delta R.T. -0.00 min

Lab File: BN004704.D

Acq: 09 Mar 2019 09:41

Instrument :

BNA_N

ClientSampleId :

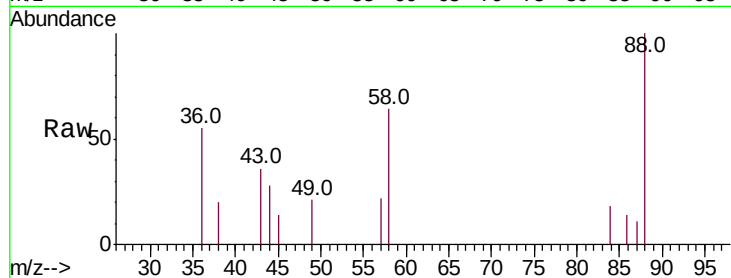
Tot Ion: 88 Resp: 5019

Ion Ratio Lower Upper

88 100

43 36.0 25.6 38.4

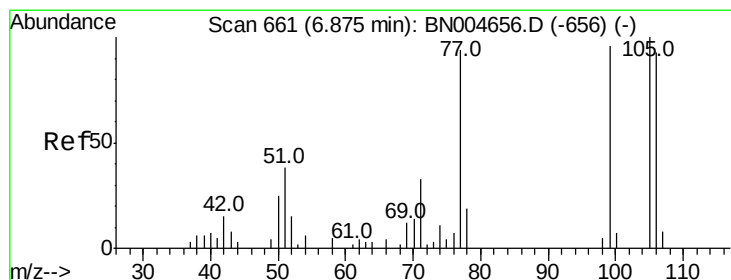
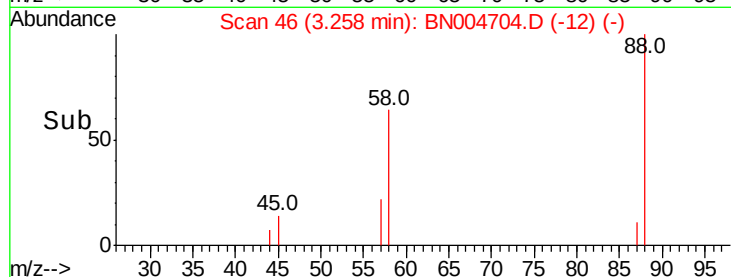
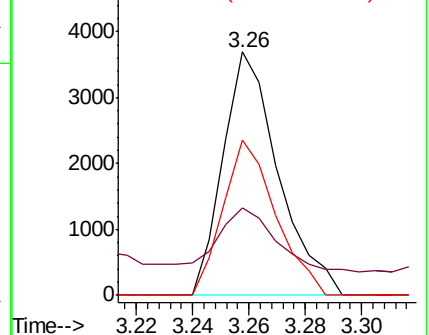
58 63.7 54.6 82.0



Abundance Ion 88.00 (87.70 to 88.70): BN004656.D (-43) (-)

Ion 43.00 (42.70 to 43.70): BN004656.D (-43) (-)

Ion 58.00 (57.70 to 58.70): BN004656.D (-43) (-)



#4

Benzaldehyde

Concen: 5.813 ng/uL

RT: 6.88 min Scan# 661

Delta R.T. -0.00 min

Lab File: BN004704.D

Acq: 09 Mar 2019 09:41

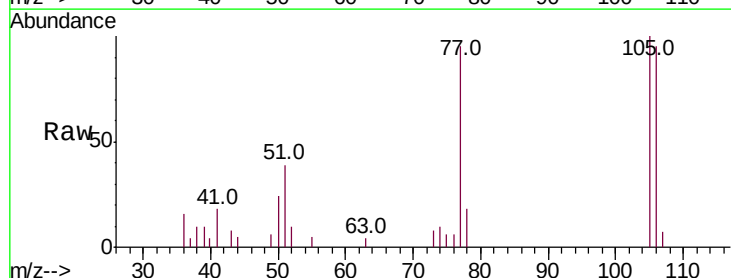
Tgt Ion: 77 Resp: 11951

Ion Ratio Lower Upper

77 100

105 104.9 85.4 128.0

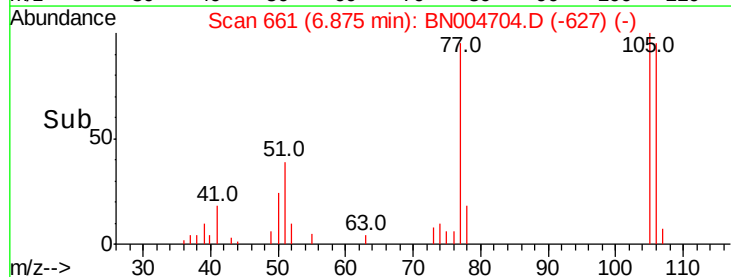
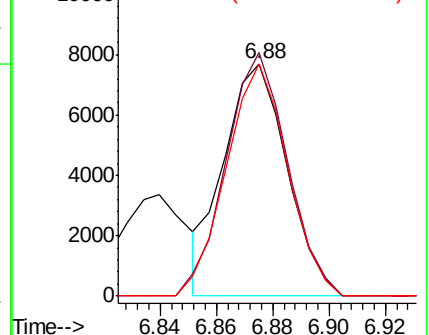
106 99.9 84.8 127.2

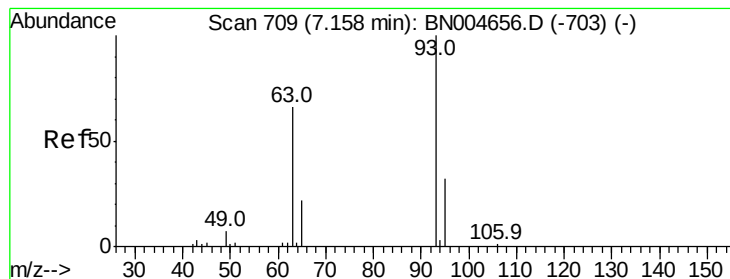


Abundance Ion 77.00 (76.70 to 77.70): BN004656.D (-656) (-)

Ion 105.00 (104.70 to 105.70): BN004656.D (-656) (-)

Ion 106.00 (105.70 to 106.70): BN004656.D (-656) (-)



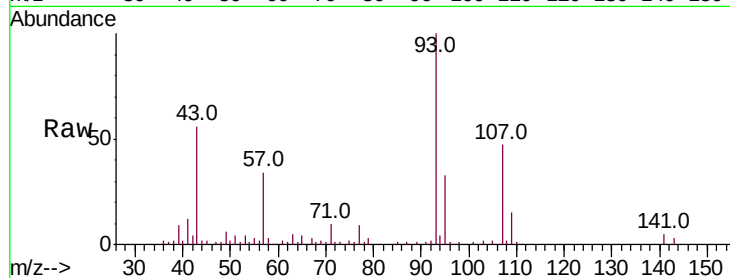


#8

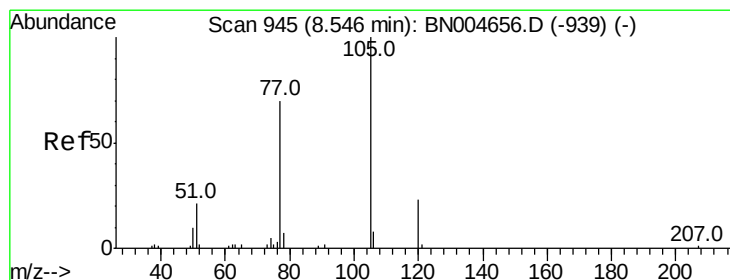
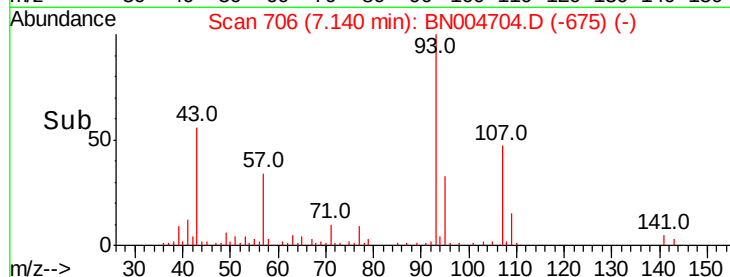
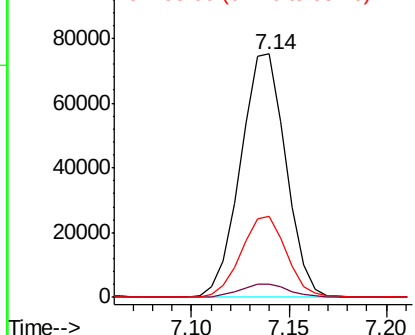
Bis(2-Chloroethyl)ether
 Concen: 50.862 ng/ul
 RT: 7.14 min Scan# 706
 Delta R.T. -0.02 min
 Lab File: BN004704.D
 Acq: 09 Mar 2019 09:41

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion: 93 Resp: 120974
 Ion Ratio Lower Upper
 93 100
 63 5.5 52.8 79.2#
 95 33.3 25.9 38.9



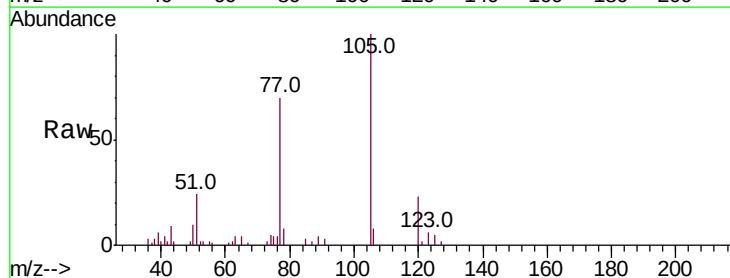
Abundance Ion 93.00 (92.70 to 93.70): BN0
 Ion 63.00 (62.70 to 63.70): BN0
 Ion 95.00 (94.70 to 95.70): BN0



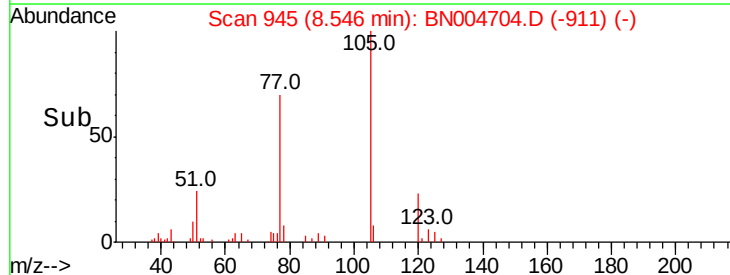
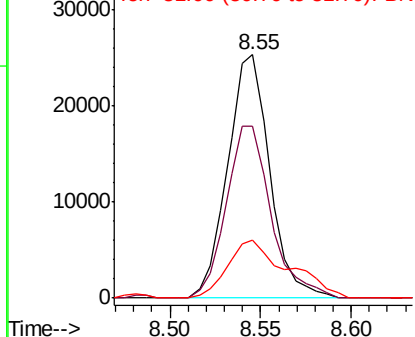
#14

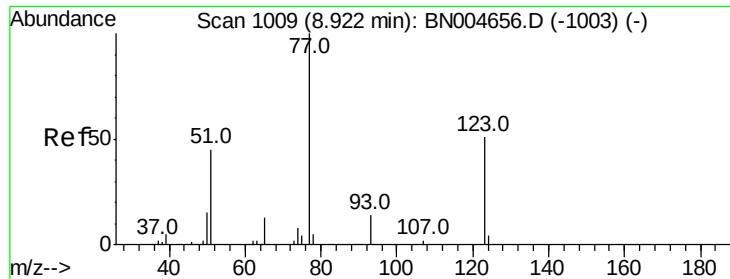
Acetophenone
 Concen: 9.861 ng/ul
 RT: 8.55 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: BN004704.D
 Acq: 09 Mar 2019 09:41

Tgt Ion: 105 Resp: 40835
 Ion Ratio Lower Upper
 105 100
 77 70.4 56.1 84.1
 51 23.7 17.2 25.8



Abundance Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BN0
 Ion 51.00 (50.70 to 51.70): BN0

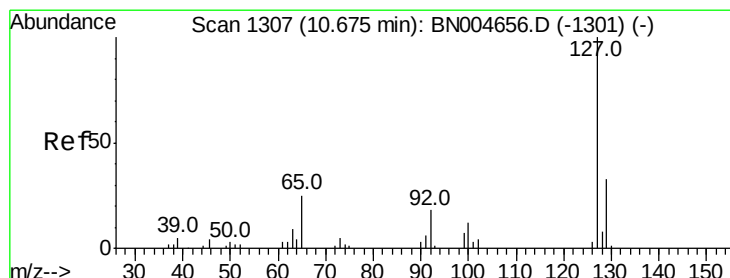
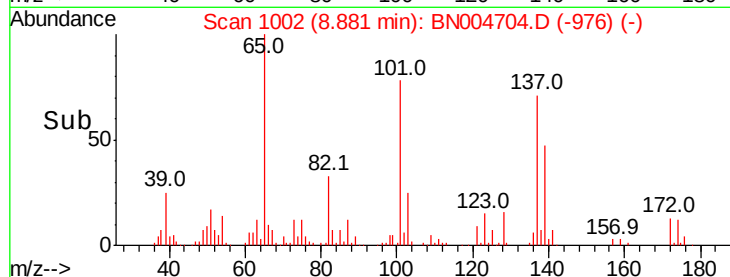
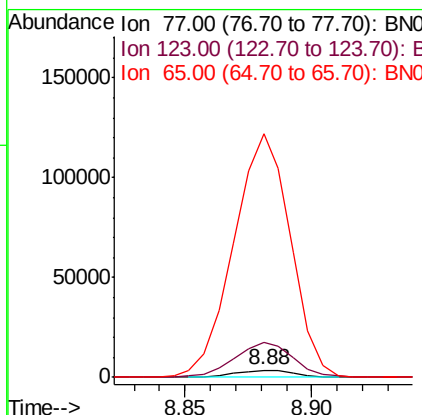
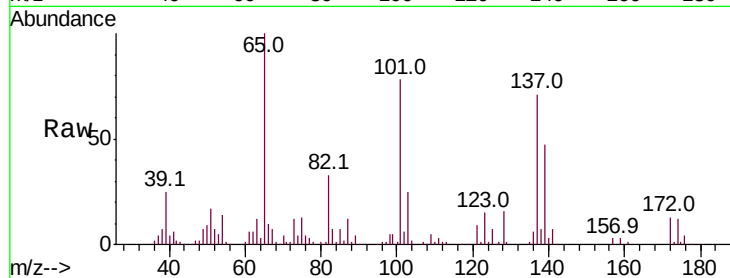




#20
 Nitrobenzene
 Concen: 3.815 ng/ul
 RT: 8.88 min Scan# 1002
 Delta R.T. -0.05 min
 Lab File: BN004704.D
 Acq: 09 Mar 2019 09:41

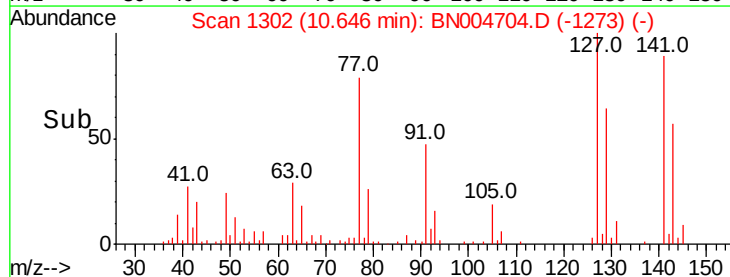
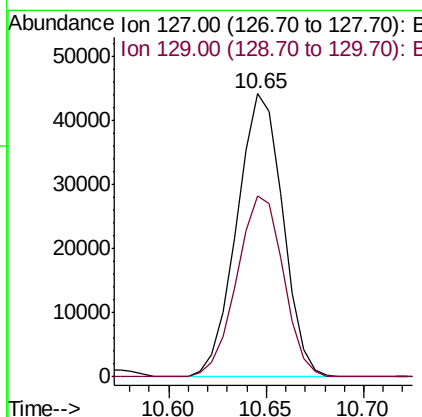
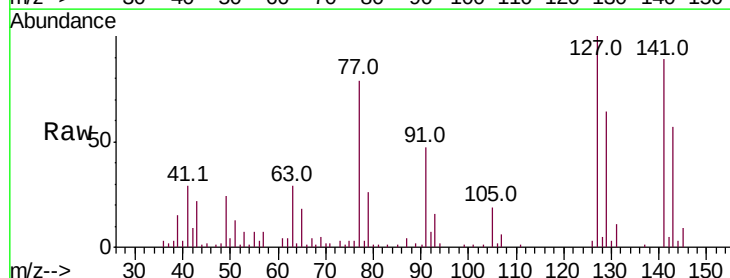
Instrument :
 BNA_N
 ClientSampleId :

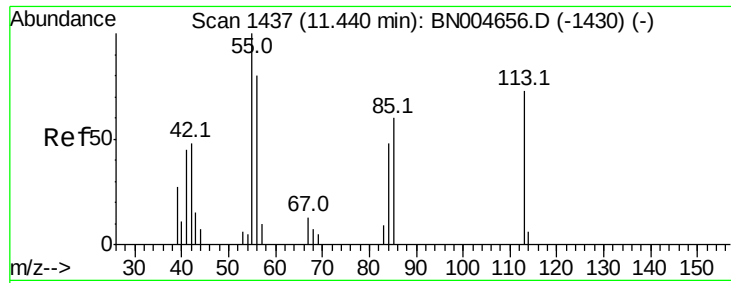
Tot Ion: 77 Resp: 5903
 Ion Ratio Lower Upper
 77 100
 123 484.4 41.6 62.4#
 65 3321.5 10.2 15.4#



#30
 4-Chloroaniline
 Concen: 36.286 ng/ul
 RT: 10.65 min Scan# 1302
 Delta R.T. -0.03 min
 Lab File: BN004704.D
 Acq: 09 Mar 2019 09:41

Tgt Ion: 127 Resp: 72173
 Ion Ratio Lower Upper
 127 100
 129 64.0 26.1 39.1#





#32

Caprolactam

Concen: 7.467 ng/ul

RT: 11.58 min Scan# 1461

Delta R.T. 0.14 min

Lab File: BN004704.D

Acq: 09 Mar 2019 09:41

Instrument :

BNA_N

ClientSampled :

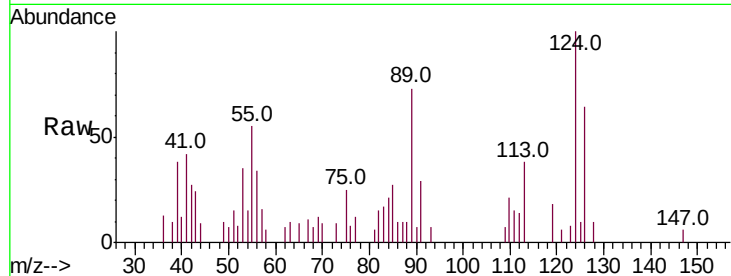
Tot Ion:113 Resp: 4061

Ion Ratio Lower Upper

113 100

55 144.5 100.7 151.1

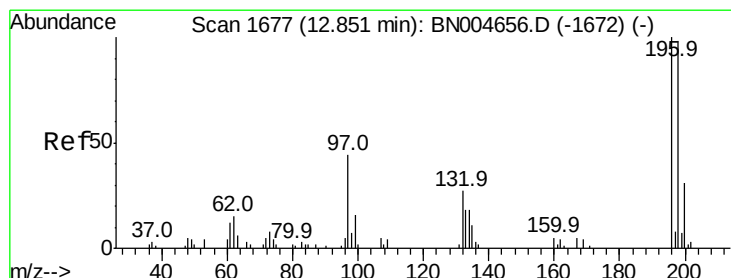
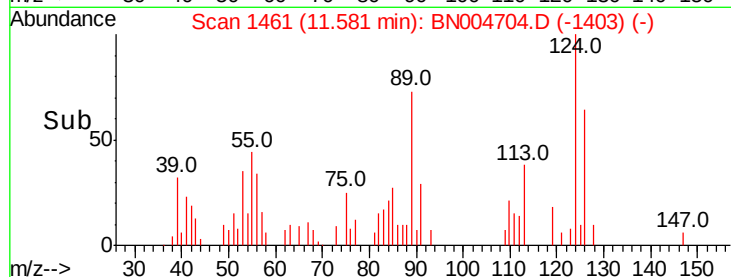
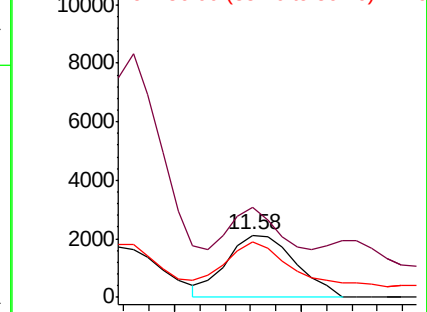
56 90.0 76.1 114.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BN0

Ion 56.00 (55.70 to 56.70): BN0



#40

2,4,5-Trichlorophenol

Concen: 47.265 ng/ul

RT: 12.79 min Scan# 1666

Delta R.T. -0.06 min

Lab File: BN004704.D

Acq: 09 Mar 2019 09:41

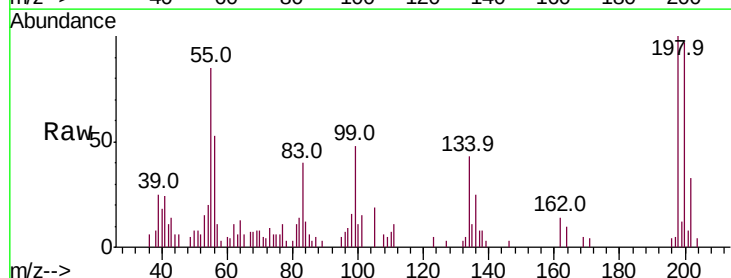
Tgt Ion:196 Resp: 443

Ion Ratio Lower Upper

196 100

198 2341.2 79.9 119.9#

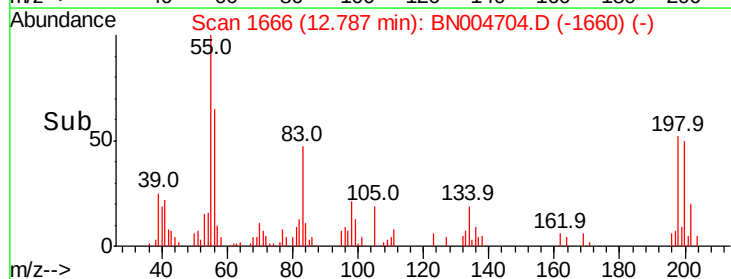
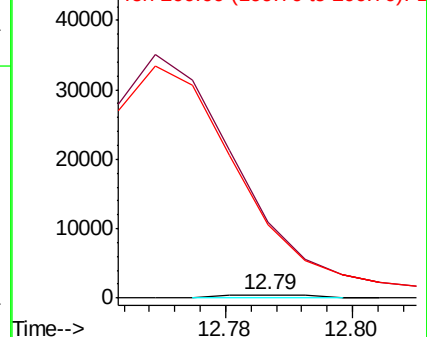
200 2261.6 25.9 38.9#

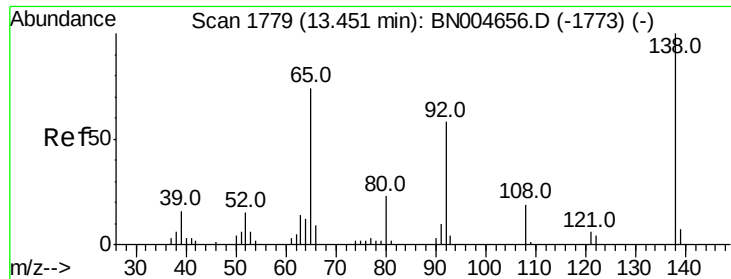


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





#43

2-Nitroaniline

Concen: 191.705 ng/ul

RT: 13.31 min Scan# 1755

Delta R.T. -0.14 min

Lab File: BN004704.D

Acq: 09 Mar 2019 09:41

Instrument :

BNA_N

ClientSampleId :

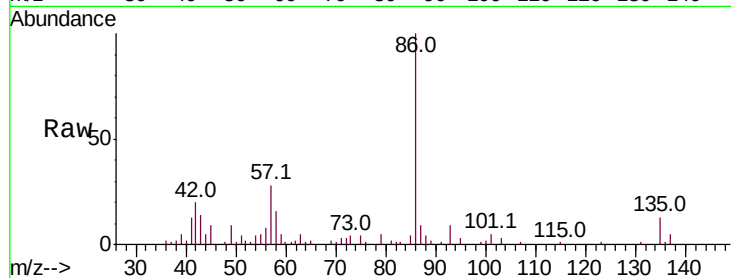
Tot Ion: 65 Resp: 1134

Ion Ratio Lower Upper

65 100

92 0.0 62.1 93.1#

138 0.0 105.0 157.6#

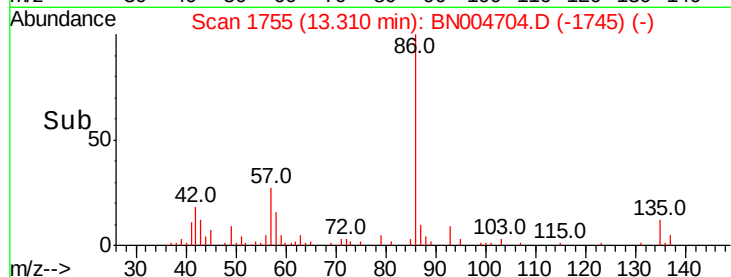


Abundance Ion 65.00 (64.70 to 65.70): BN004656.D (-1773) (-)

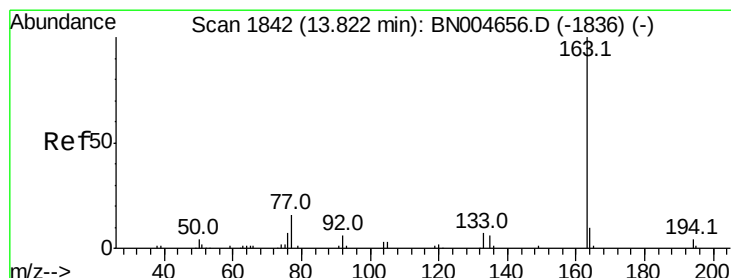
Ion 92.00 (91.70 to 92.70): BN004656.D (-1773) (-)

Ion 138.00 (137.70 to 138.70): BN004656.D (-1773) (-)

Time-->



Time-->



#45

Dimethylphthalate

Concen: 13.627 ng/ul

RT: 13.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BN004704.D

Acq: 09 Mar 2019 09:41

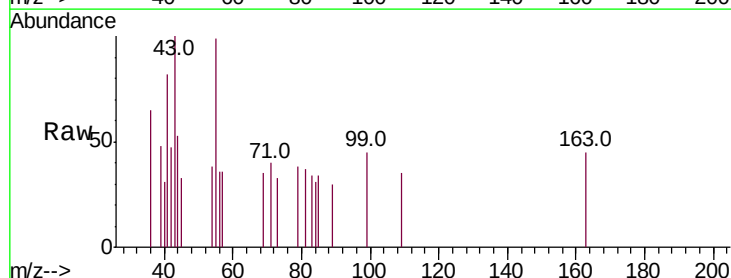
Tgt Ion:163 Resp: 437

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

164 0.0 7.9 11.9#

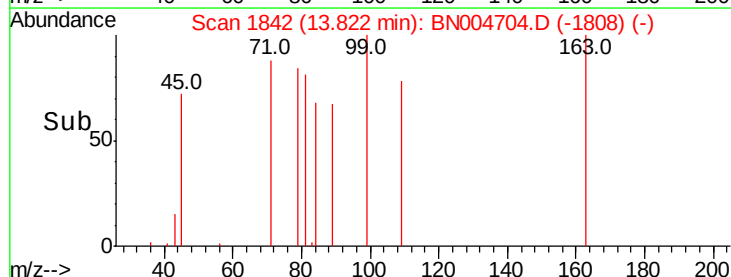


Abundance Ion 163.00 (162.70 to 163.70): BN004656.D (-1836) (-)

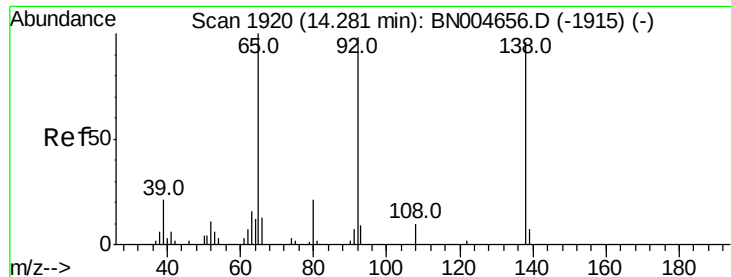
Ion 194.00 (193.70 to 194.70): BN004656.D (-1836) (-)

Ion 164.00 (163.70 to 164.70): BN004656.D (-1836) (-)

Time-->



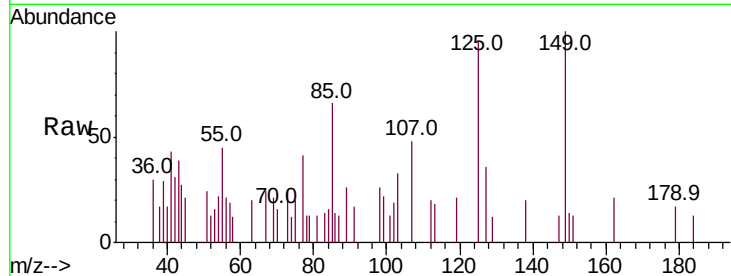
Time-->



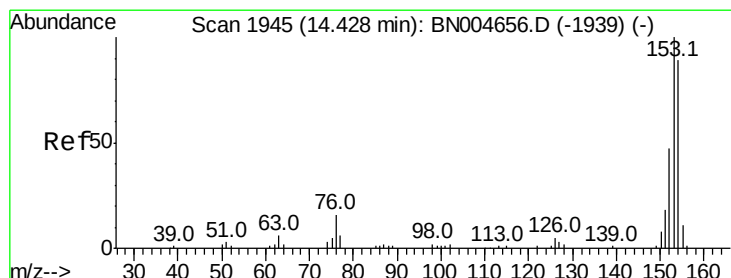
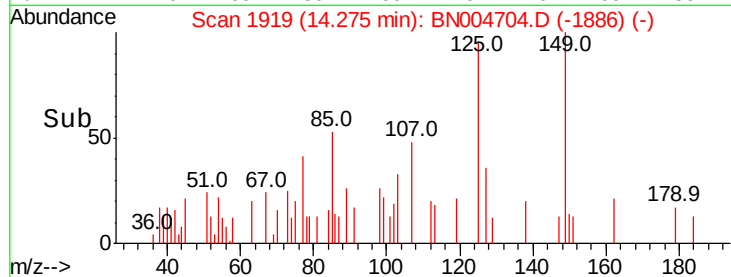
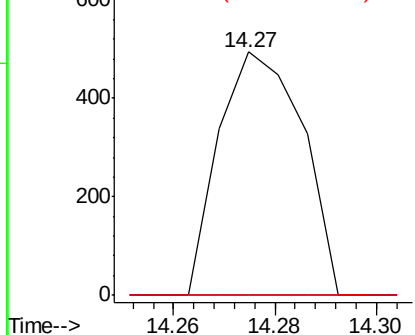
#49
3-Nitroaniline
Concen: 90.059 ng/ul
RT: 14.27 min Scan# 1919
Delta R.T. -0.01 min
Lab File: BN004704.D
Acq: 09 Mar 2019 09:41

Instrument :
BNA_N
ClientSampled :

Tot Ion:138 Resp: 567
Ion Ratio Lower Upper
138 100
108 0.0 9.0 13.4#
92 0.0 85.8 128.6#

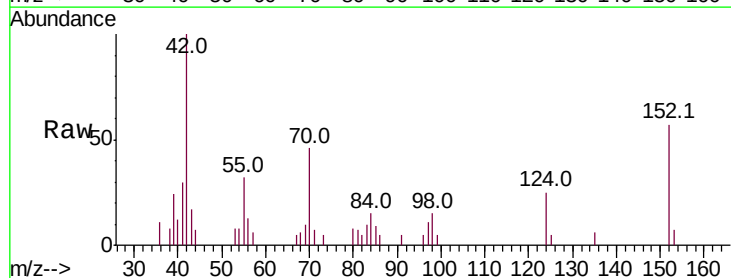


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BNC

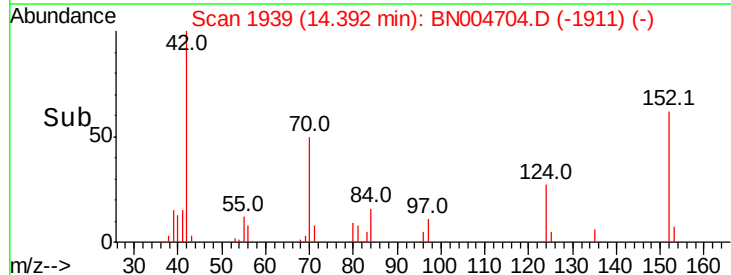
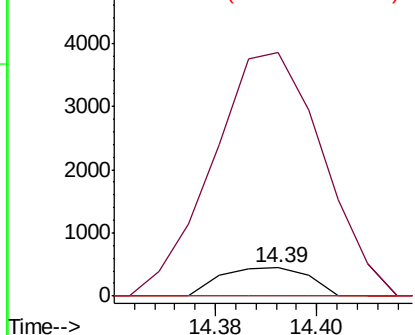


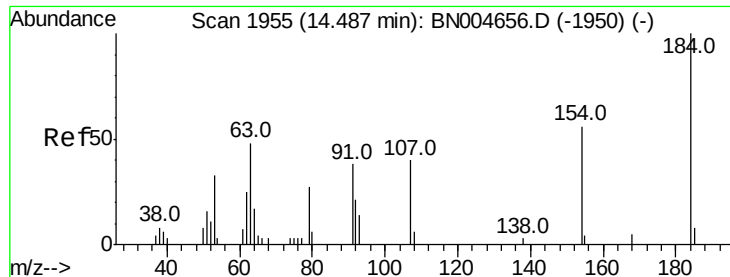
#50
Acenaphthene
Concen: 20.396 ng/ul
RT: 14.39 min Scan# 1939
Delta R.T. -0.04 min
Lab File: BN004704.D
Acq: 09 Mar 2019 09:41

Tgt Ion:153 Resp: 536
Ion Ratio Lower Upper
153 100
152 861.7 37.8 56.6#
154 0.0 70.0 105.0#



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

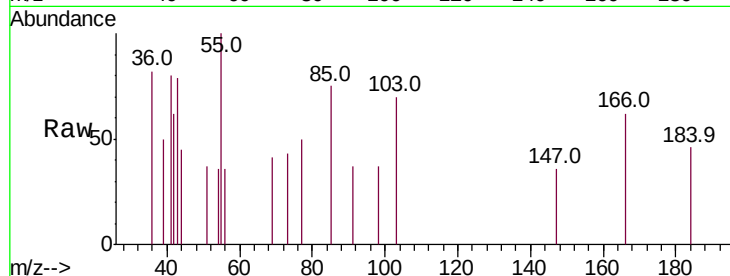




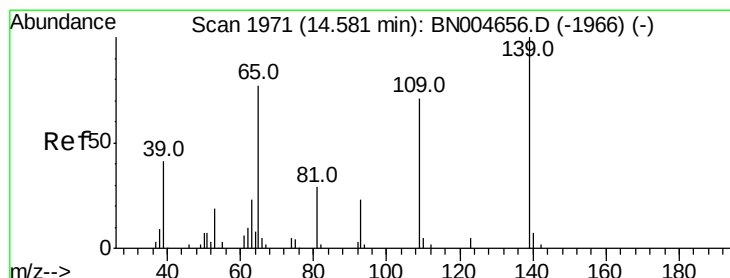
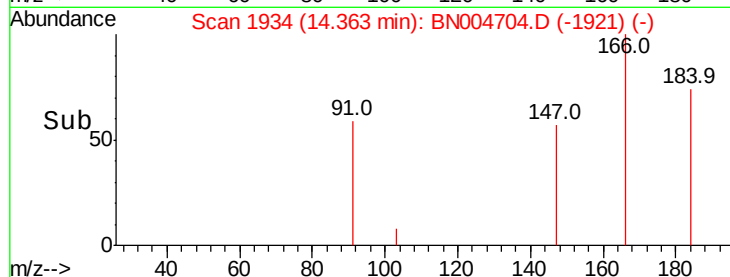
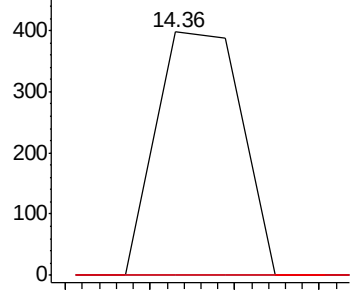
#51
 2,4-Dinitrophenol
 Concen: 65.822 ng/ul
 RT: 14.36 min Scan# 1934
 Delta R.T. -0.12 min
 Lab File: BN004704.D
 Acq: 09 Mar 2019 09:41

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:184 Resp: 277
 Ion Ratio Lower Upper
 184 100
 63 0.0 39.1 58.7#
 154 0.0 46.2 69.4#

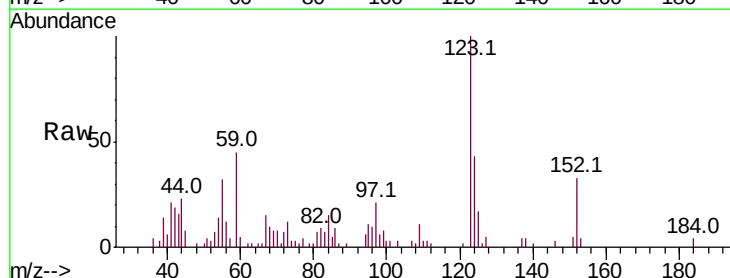


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BNO
 Ion 154.00 (153.70 to 154.70): E

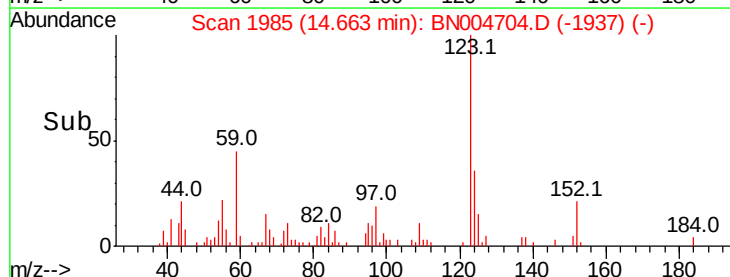
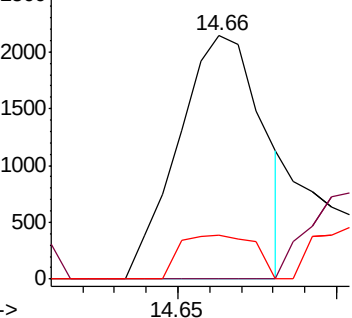


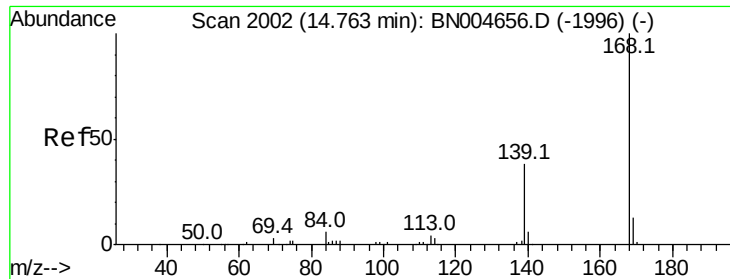
#53
 4-Nitrophenol
 Concen: 895.049 ng/ul
 RT: 14.66 min Scan# 1985
 Delta R.T. 0.08 min
 Lab File: BN004704.D
 Acq: 09 Mar 2019 09:41

Tgt Ion:109 Resp: 3945
 Ion Ratio Lower Upper
 109 100
 139 0.0 112.1 168.1#
 65 18.1 90.3 135.5#



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





#54

Dibenzofuran

Concen: 24.160 ng/ul

RT: 14.70 min Scan# 1992

Delta R.T. -0.06 min

Lab File: BN004704.D

Acq: 09 Mar 2019 09:41

Instrument :

BNA_N

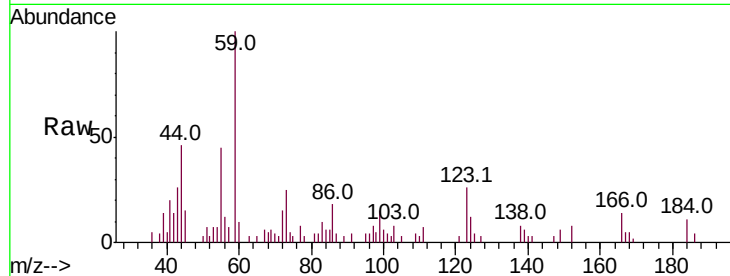
ClientSampleId :

Tot Ion:168 Resp: 912

Ion Ratio Lower Upper

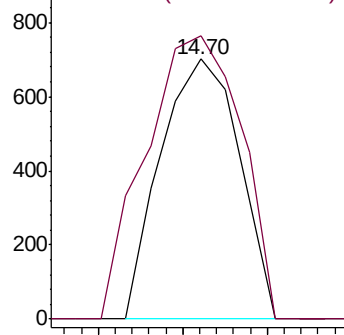
168 100

139 108.8 29.8 44.6#

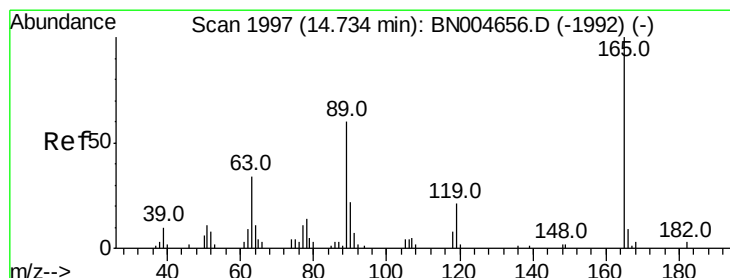
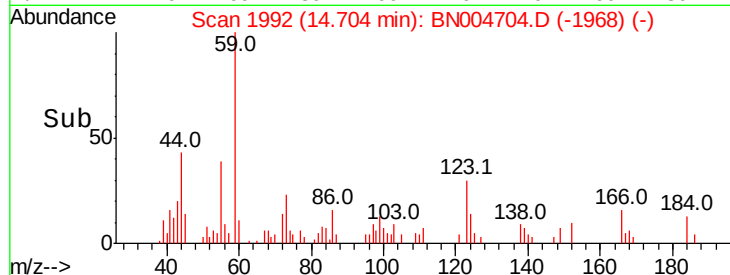


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#55

2,4-Dinitrotoluene

Concen: 166.404 ng/ul

RT: 14.60 min Scan# 1974

Delta R.T. -0.14 min

Lab File: BN004704.D

Acq: 09 Mar 2019 09:41

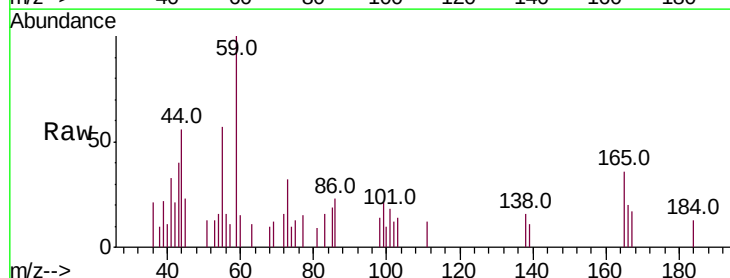
Tgt Ion:165 Resp: 1596

Ion Ratio Lower Upper

165 100

63 30.3 27.6 41.4

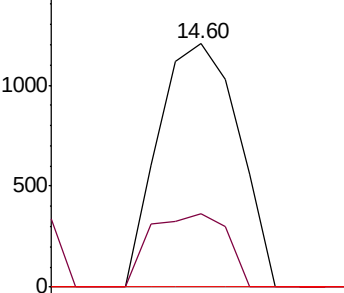
182 0.0 2.3 3.5#



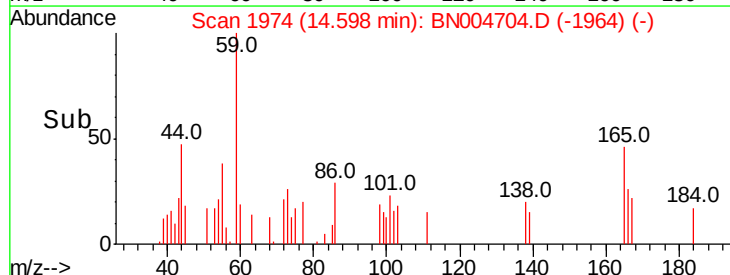
Abundance Ion 165.00 (164.70 to 165.70): E

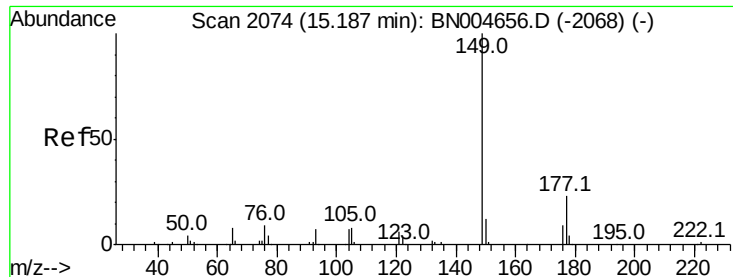
Ion 63.00 (62.70 to 63.70): BNC

Ion 182.00 (181.70 to 182.70): E



Time-->

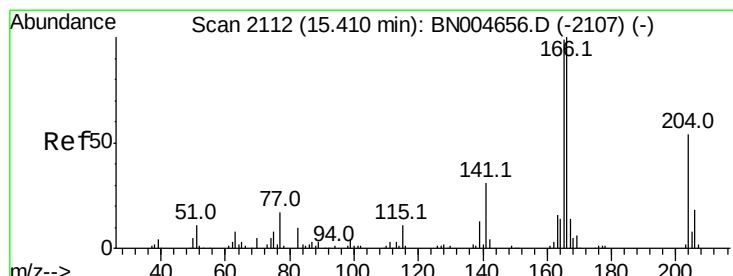
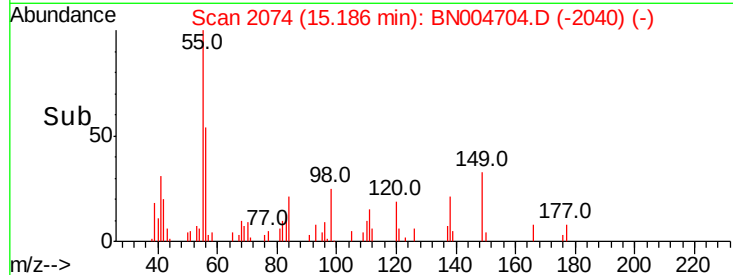
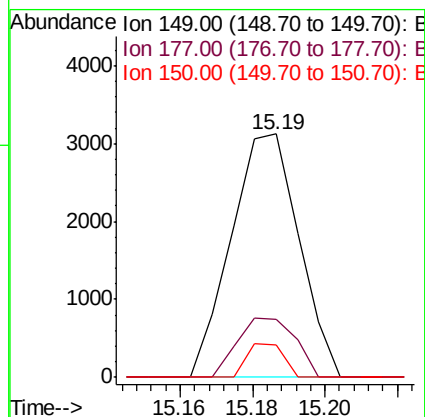
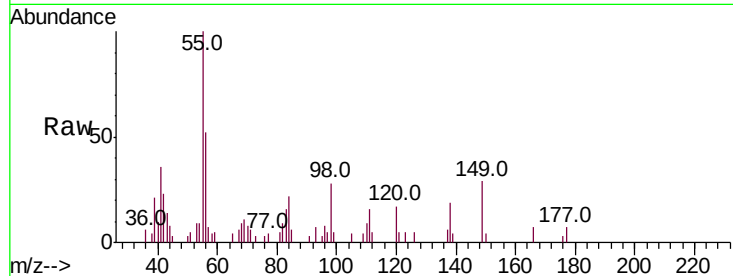




#57
Diethylphthalate
Concen: 124.721 ng/ul
RT: 15.19 min Scan# 2074
Delta R.T. -0.00 min
Lab File: BN004704.D
Acq: 09 Mar 2019 09:41

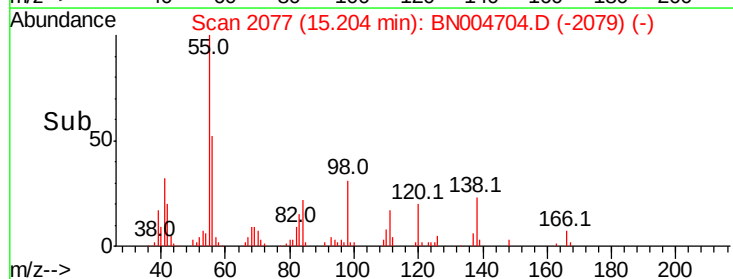
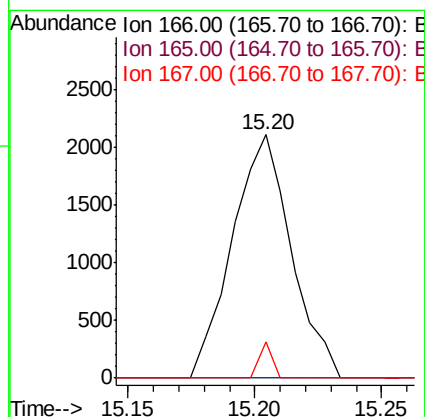
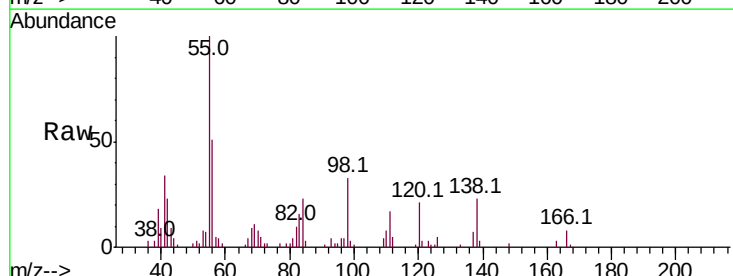
Instrument :
BNA_N
ClientSampleId :

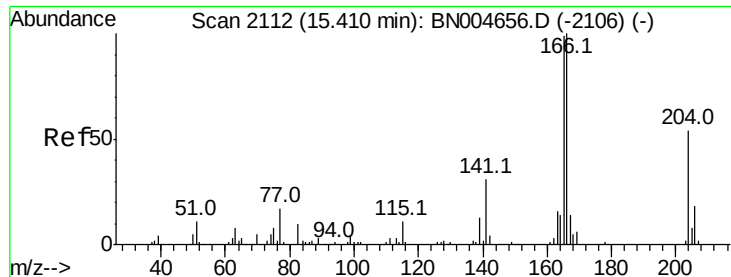
Tot Ion	Ratio	Lower	Upper
149	100		
177	23.8	18.0	27.0
150	13.2	10.2	15.2



#59
Fluorene
Concen: 112.948 ng/ul
RT: 15.20 min Scan# 2077
Delta R.T. -0.21 min
Lab File: BN004704.D
Acq: 09 Mar 2019 09:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	0.0	78.0	117.0#
167	15.0	10.8	16.2





#60

4-Chlorophenyl-phenylether

Concen: 14.615 ng/ul

RT: 15.16 min Scan# 2070

Delta R.T. -0.25 min

Lab File: BN004704.D

Acq: 09 Mar 2019 09:41

Instrument :

BNA_N

ClientSampled :

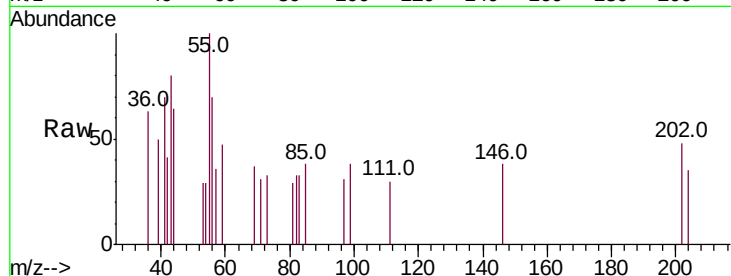
Tot Ion:204 Resp: 235

Ion Ratio Lower Upper

204 100

206 0.0 26.5 39.7#

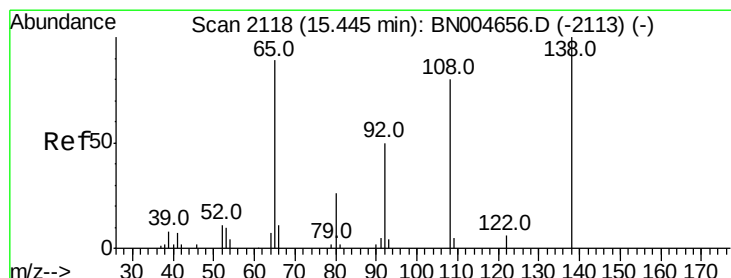
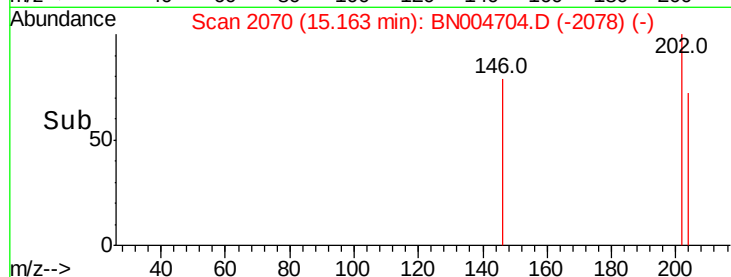
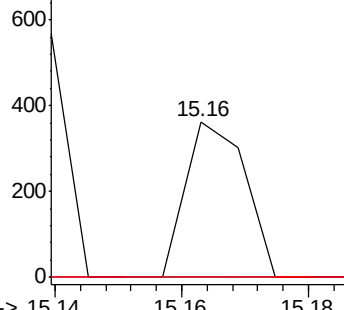
141 0.0 44.8 67.2#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#61

4-Nitroaniline

Concen: 1155.196 ng/ul

RT: 15.20 min Scan# 2077

Delta R.T. -0.24 min

Lab File: BN004704.D

Acq: 09 Mar 2019 09:41

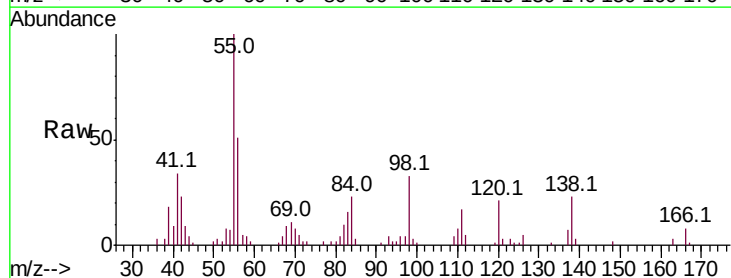
Tgt Ion:138 Resp: 8537

Ion Ratio Lower Upper

138 100

92 0.0 37.8 56.8#

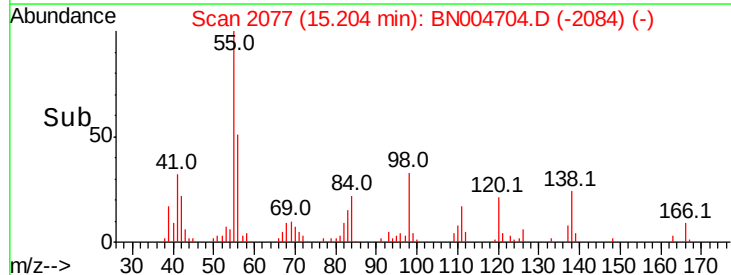
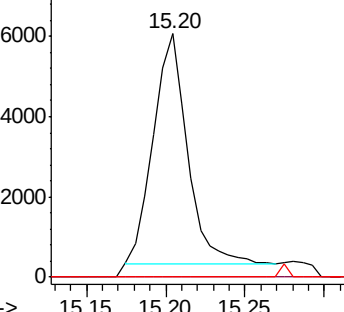
108 0.0 61.7 92.5#

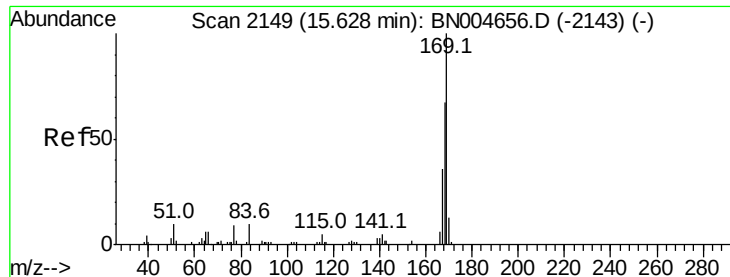


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNC

Ion 108.00 (107.70 to 108.70): E

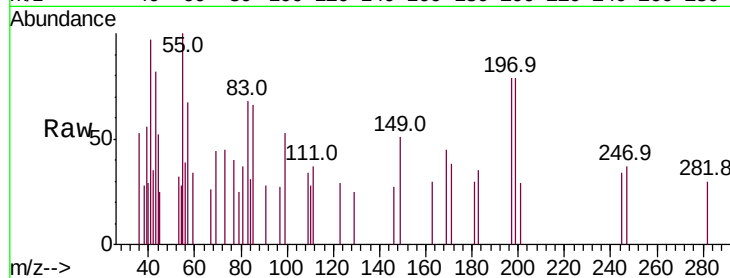




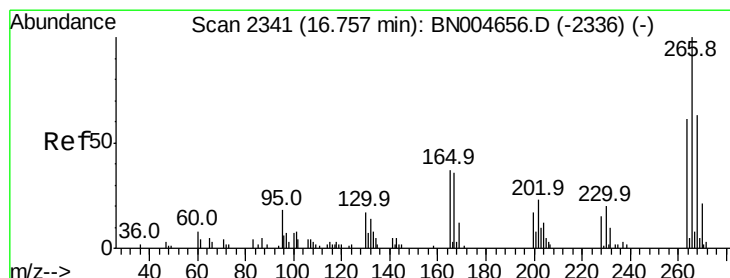
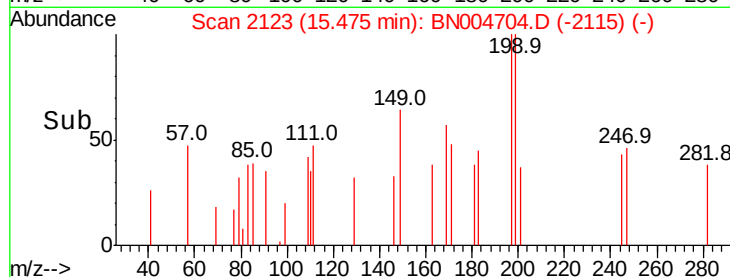
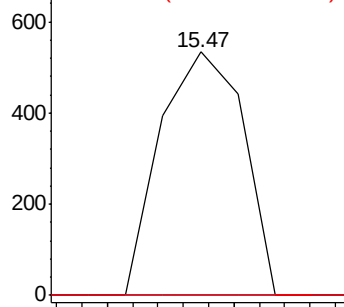
#65
N-Nitrosodiphenylamine
Concen: 2.890 ng/ul
RT: 15.47 min Scan# 2123
Delta R.T. -0.15 min
Lab File: BN004704.D
Acq: 09 Mar 2019 09:41

Instrument :
BNA_N
ClientSampleId :

Tot Ion:169 Resp: 484
Ion Ratio Lower Upper
169 100
168 0.0 53.8 80.6#
167 0.0 29.0 43.4#

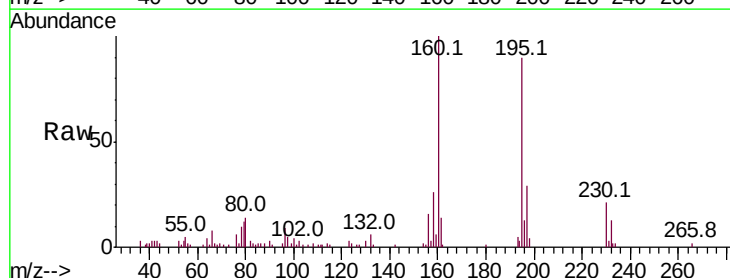


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

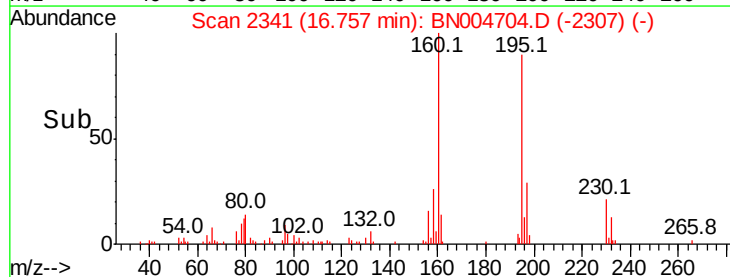
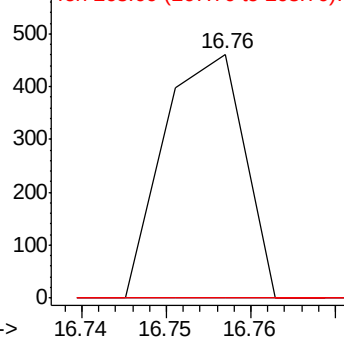


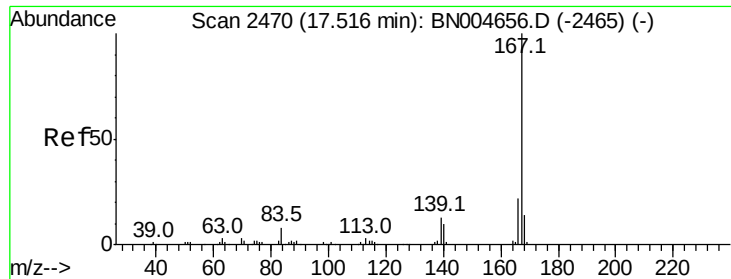
#69
Pentachlorophenol
Concen: 6.277 ng/ul
RT: 16.76 min Scan# 2341
Delta R.T. -0.00 min
Lab File: BN004704.D
Acq: 09 Mar 2019 09:41

Tgt Ion:266 Resp: 303
Ion Ratio Lower Upper
266 100
264 0.0 50.3 75.5#
268 0.0 49.6 74.4#



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

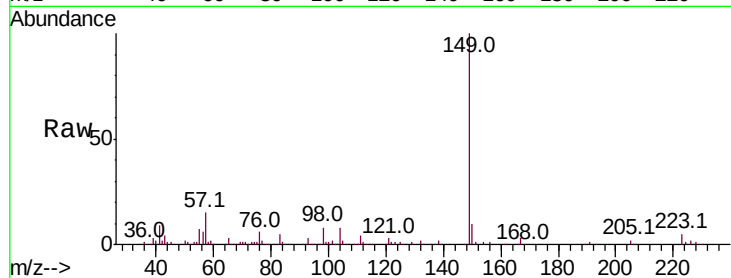




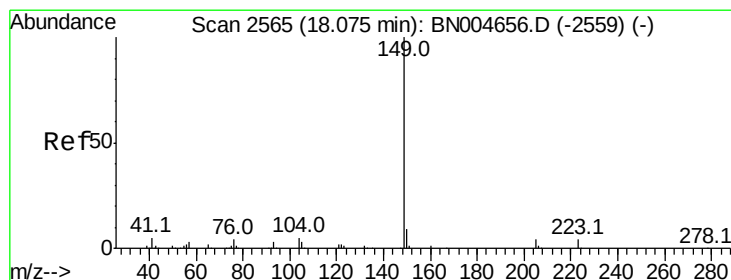
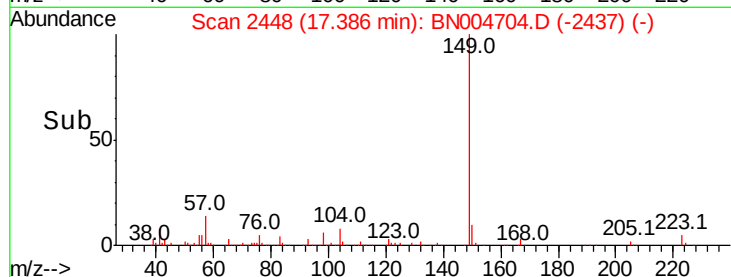
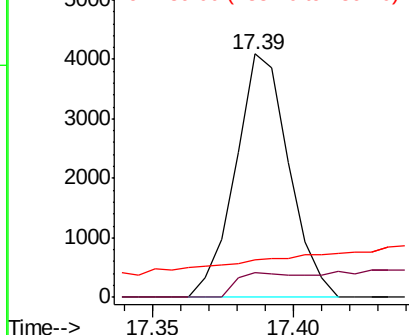
#75
 Carbazole
 Concen: 19.795 ng/ul
 RT: 17.39 min Scan# 2448
 Delta R.T. -0.14 min
 Lab File: BN004704.D
 Acq: 09 Mar 2019 09:41

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:167 Resp: 5371
 Ion Ratio Lower Upper
 167 100
 166 10.0 17.5 26.3#
 139 15.2 10.4 15.6

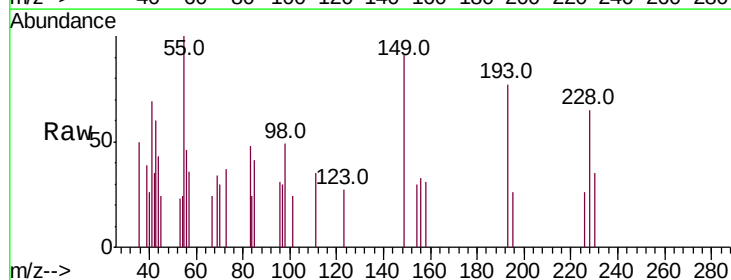


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

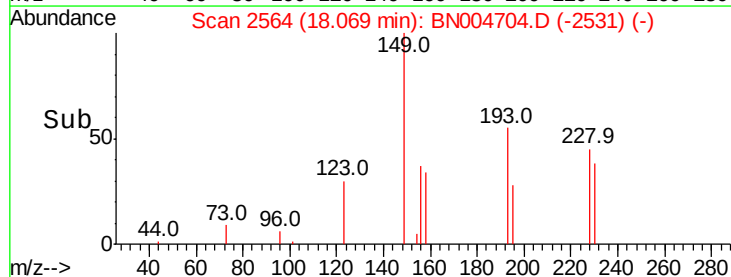
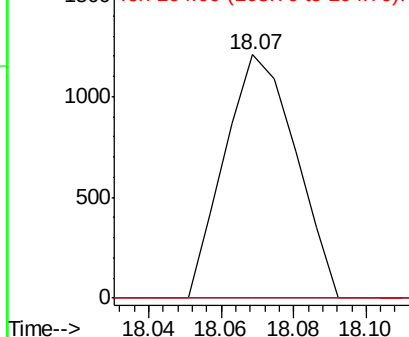


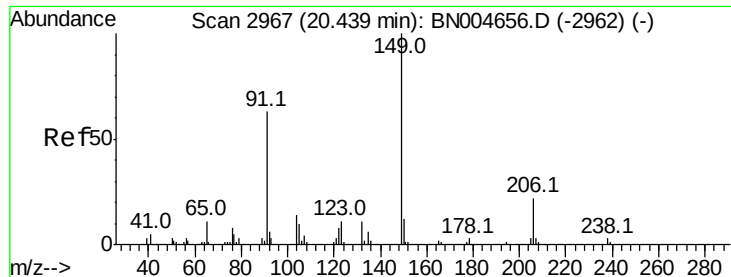
#76
 Di-n-butylphthalate
 Concen: 4.886 ng/ul
 RT: 18.07 min Scan# 2564
 Delta R.T. -0.01 min
 Lab File: BN004704.D
 Acq: 09 Mar 2019 09:41

Tgt Ion:149 Resp: 1644
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.4 11.0#
 104 0.0 3.7 5.5#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

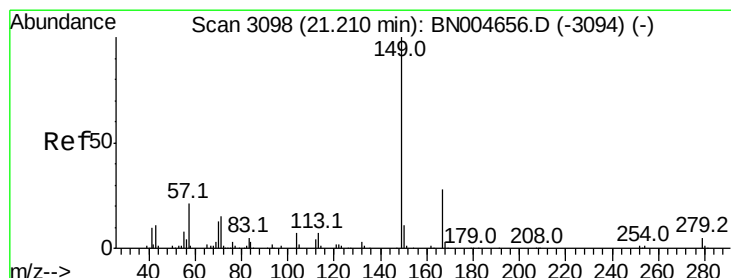
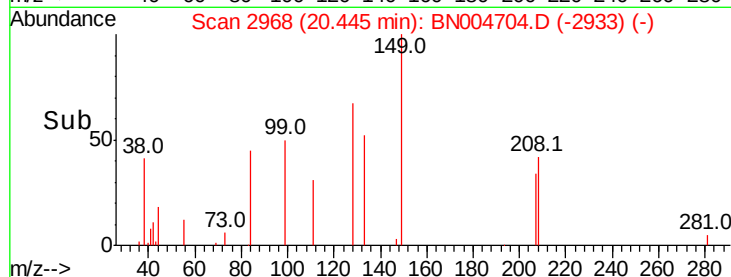
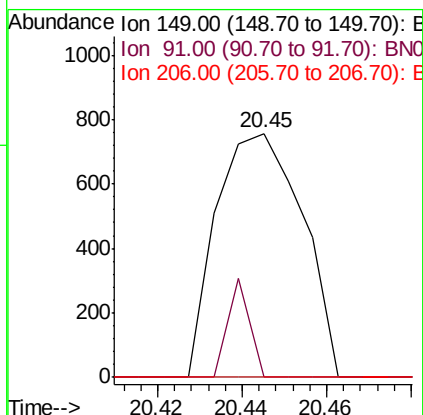
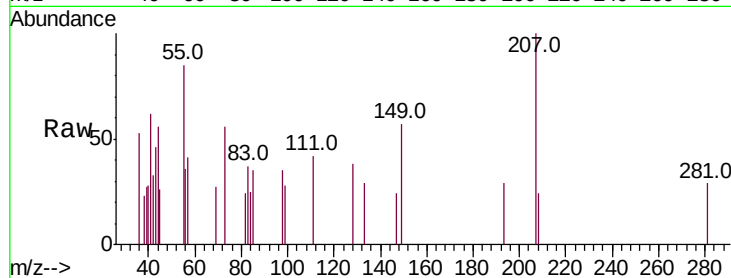




#81
 Butylbenzylphthalate
 Concen: 86.573 ng/ul
 RT: 20.45 min Scan# 2968
 Delta R.T. 0.01 min
 Lab File: BN004704.D
 Acq: 09 Mar 2019 09:41

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:149 Resp: 1071
 Ion Ratio Lower Upper
 149 100
 91 0.0 49.8 74.6#
 206 0.0 18.2 27.2#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 21.637 ng/ul
 RT: 21.21 min Scan# 3098
 Delta R.T. -0.01 min
 Lab File: BN004704.D
 Acq: 09 Mar 2019 09:41

Tgt Ion:149 Resp: 389
 Ion Ratio Lower Upper
 149 100
 167 0.0 22.7 34.1#
 279 0.0 4.3 6.5#

