

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100618\
 Data File : BN002962.D
 Acq On : 05 Oct 2018 12:12
 Operator : MJ/SJ
 Sample : J5183-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 06 01:09:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 06 01:07:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	147209	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	626782	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	347167	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.03	188	639228	20.00	ng/ul	0.01
77) Chrysene-d12	21.24	240	502707	20.00	ng/ul	0.02
85) Perylene-d12	23.48	264	529299	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	8790	2.75	ng/uL	0.00
5) Phenol-d5	6.82	99	243799	19.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	150965	19.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	206103	20.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	197940	20.44	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	133755	27.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	120310	21.90	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.04	165	208146	20.99	ng/ul	0.01
29) 4-Chloroaniline-d4	10.52	131	1085484	94.59	ng/ul	-0.02
43) Dimethylphthalate-d6	13.68	166	611169	22.49	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	789250	22.24	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	79867	17.77	ng/ul	0.02
57) Fluorene-d10	15.27	176	516786	21.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	40085	10.03	ng/ul	0.00
70) Anthracene-d10	17.13	188	689153	22.58	ng/ul	0.01
78) Pyrene-d10	19.43	212	616729	23.25	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.34	264	608291	21.83	ng/ul	0.05

Target Compounds

					Ovalue	
4) Benzaldehyde	6.78	77	40240	5.888	ng/ul#	1
6) Phenol	6.85	94	30005	2.380	ng/ul#	26
14) Acetophenone	8.42	105	1060657	71.107	ng/ul#	31
15) N-Nitroso-di-n-propylamine	8.38	70	22188	2.960	ng/ul#	62
17) Hexachloroethane	8.72	117	487529	118.764	ng/ul#	5
20) Nitrobenzene	8.80	77	65982	5.847	ng/ul#	3
24) 2,4-Dimethylphenol	9.60	107	45273	4.036	ng/ul#	44
25) Bis(2-Chloroethoxy)methane	9.82	93	19252	1.470	ng/ul#	9
28) Naphthalene	10.45	128	324695	10.051	ng/ul#	66
32) Caprolactam	11.32	113	9869	3.338	ng/ul#	1
34) 2-Methylnaphthalene	12.07	142	474150	20.999	ng/ul	98
44) Dimethylphthalate	13.73	163	348965	13.157	ng/ul	98
45) 2,6-Dinitrotoluene	13.87	165	6461	1.209	ng/ul#	14
47) Acenaphthylene	13.99	152	34173	1.025	ng/ul#	31
48) 3-Nitroaniline	14.16	138	7297	1.401	ng/ul#	20
49) Acenaphthene	14.33	153	29665	1.256	ng/ul#	91
52) 4-Nitrophenol	14.53	109	3728	1.192	ng/ul#	1
54) 2,4-Dinitrotoluene	14.67	165	10288	1.361	ng/ul#	90
58) Fluorene	15.32	166	35611	1.369	ng/ul#	69
60) 4-Nitroaniline	15.36	138	7822	1.416	ng/ul#	30
64) N-Nitrosodiphenylamine	15.54	169	89922	4.533	ng/ul#	53
68) Pentachlorophenol	16.70	266	7872	2.208	ng/ul#	76
69) Phenanthrene	17.07	178	227289	6.453	ng/ul#	84

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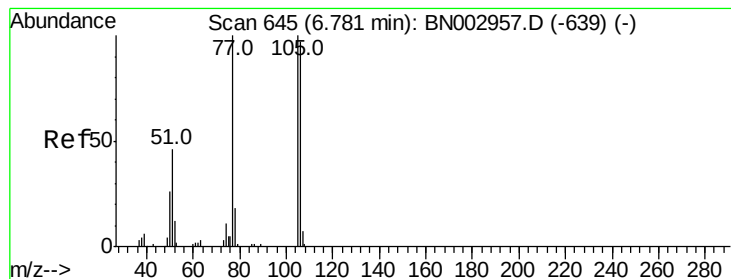
Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 06 01:09:26 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

71) Anthracene	17.16	178	37179	1.041	ng/ul#	43
75) Di-n-butylphthalate	18.00	149	1433182	38.978	ng/ul	97
76) Fluoranthene	19.10	202	330013	8.784	ng/ul	98
79) Pyrene	19.46	202	500992	15.073	ng/ul	96
80) Butylbenzylphthalate	20.37	149	693017	50.106	ng/ul	99
82) Benzo(a)anthracene	21.23	228	151064	4.831	ng/ul#	71
83) Bis(2-ethylhexyl)phthalate	21.16	149	1364344	67.947	ng/ul#	96
84) Chrysene	21.27	228	309556	10.561	ng/ul#	88
87) Benzo(b)fluoranthene	22.81	252	505289	15.631	ng/ul#	34
88) Benzo(k)fluoranthene	22.81	252	505289	16.755	ng/ul#	37
90) Benzo(a)pyrene	23.39	252	250093	8.184	ng/ul#	44
91) Indeno(1,2,3-cd)pyrene	25.72	276	253654	7.011	ng/ul#	90
92) Dibenzo(a,h)anthracene	25.70	278	67842	2.225	ng/ul#	10
93) Benzo(q,h,i)perylene	26.40	276	402009	13.292	ng/ul#	91

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



#4

Benzaldehyde

Concen: 5.888 ng/ul

RT: 6.78 min Scan# 645

Delta R.T. 0.00 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

Instrument :

BNA_N

ClientSampleId :

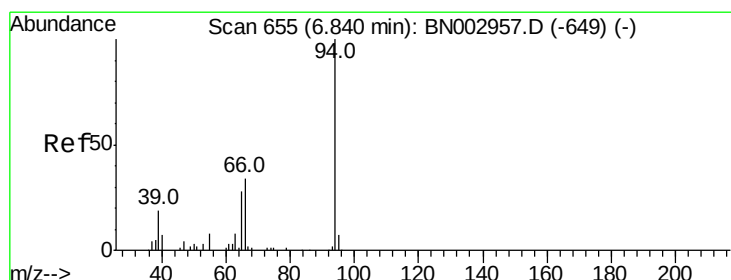
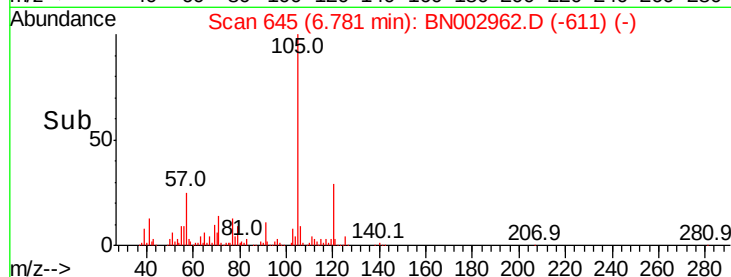
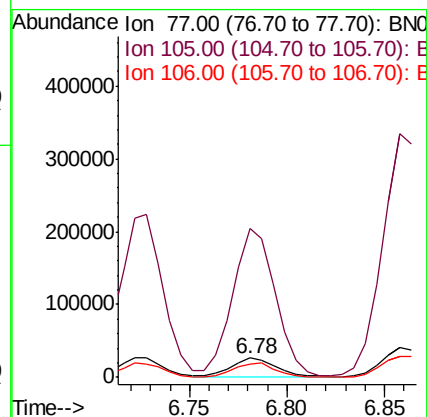
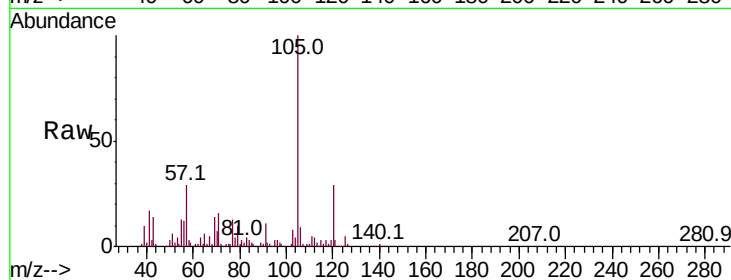
Tot Ion: 77 Resp: 40240

Ion Ratio Lower Upper

77 100

105 783.1 76.2 114.4#

106 71.4 74.2 111.2#



#6

Phenol

Concen: 2.380 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

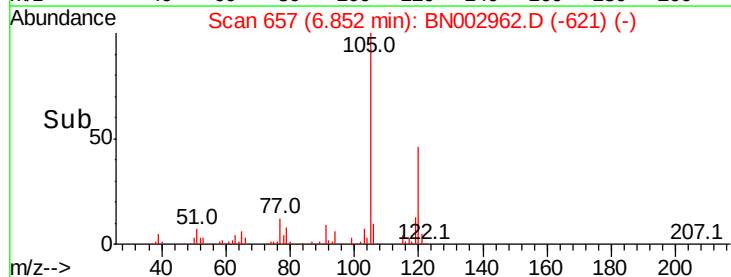
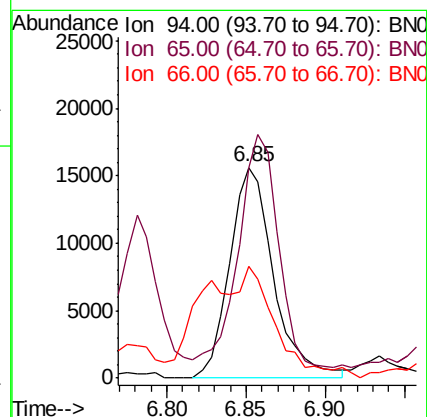
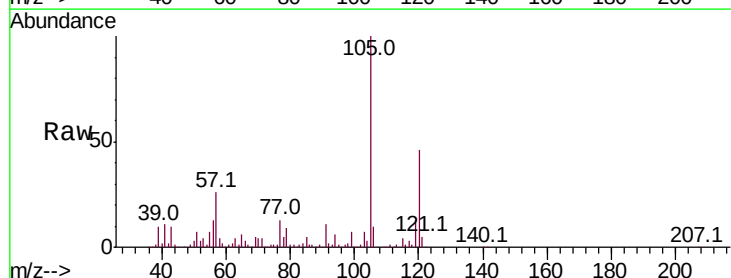
Tgt Ion: 94 Resp: 30005

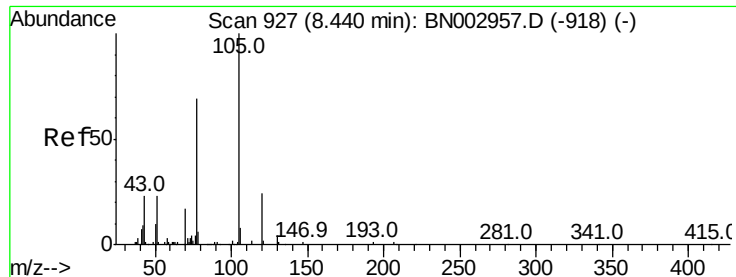
Ion Ratio Lower Upper

94 100

65 100.1 23.1 34.7#

66 53.3 29.8 44.6#





#14

Acetophenone

Concen: 71.107 ng/ul

RT: 8.42 min Scan# 924

Delta R.T. -0.02 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

Instrument :

BNA_N

ClientSampleId :

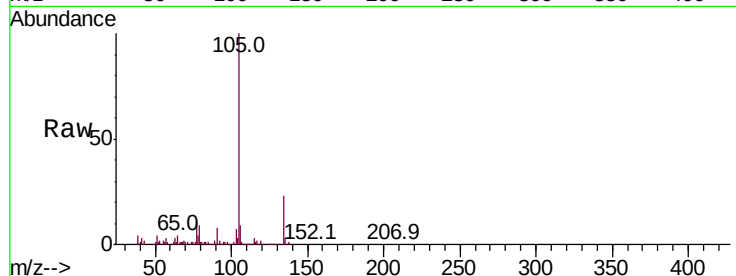
Tot Ion:105 Resp: 1060657

Ion Ratio Lower Upper

105 100

77 10.8 62.9 94.3#

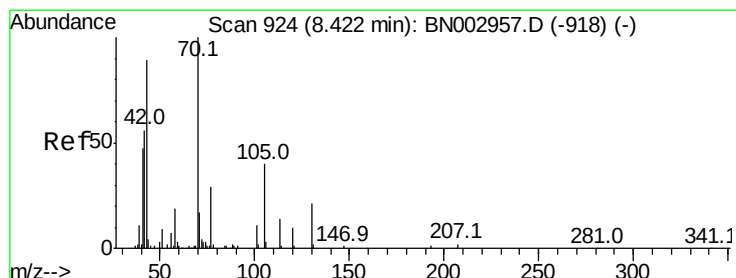
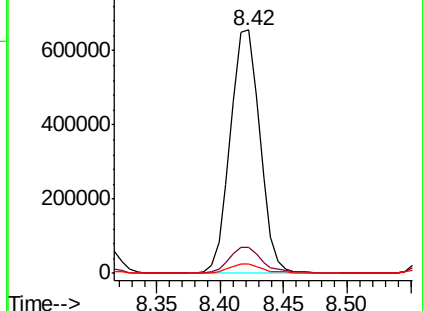
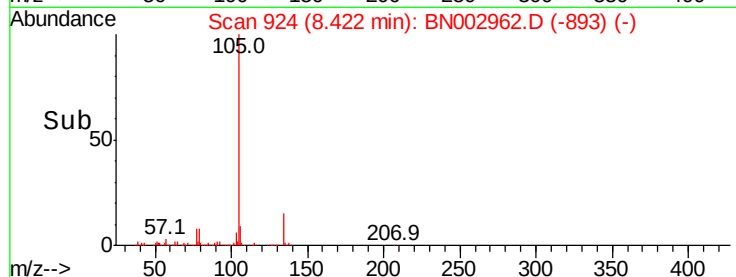
51 3.7 21.9 32.9#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 51.00 (50.70 to 51.70): BNC



#15

N-Nitroso-di-n-propylamine

Concen: 2.960 ng/ul

RT: 8.38 min Scan# 917

Delta R.T. -0.04 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

Tgt Ion: 70 Resp: 22188

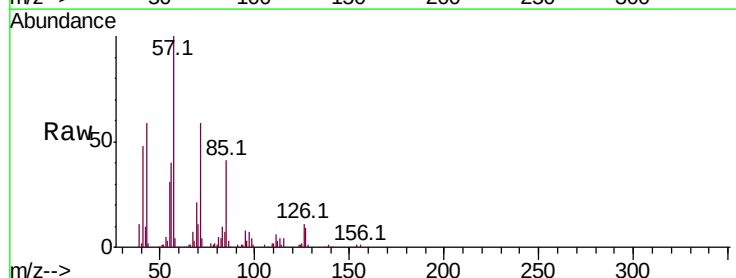
Ion Ratio Lower Upper

70 100

42 88.2 47.7 71.5#

101 0.0 8.0 12.0#

130 0.0 16.0 24.0#

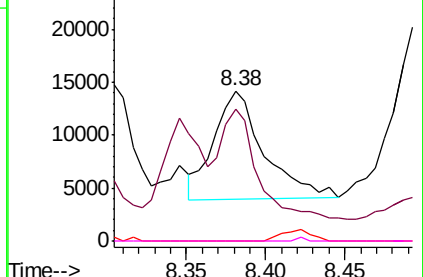
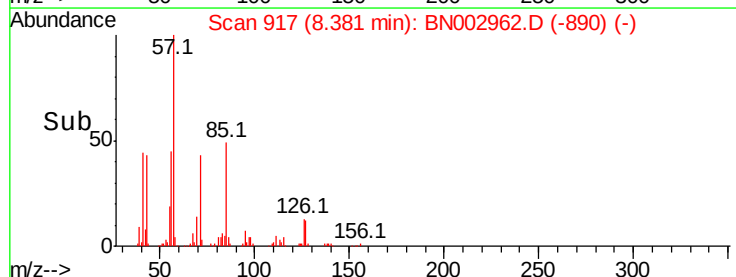


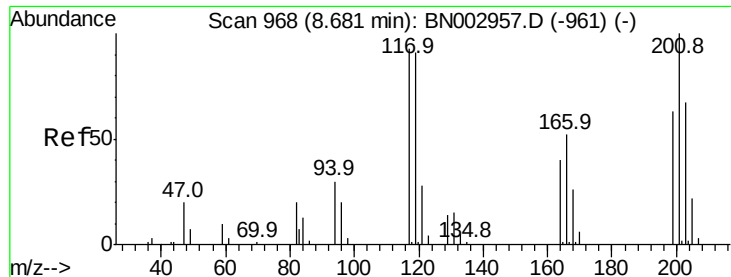
Abundance Ion 70.00 (69.70 to 70.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 101.00 (100.70 to 101.70): BNC

Ion 130.00 (129.70 to 130.70): BNC

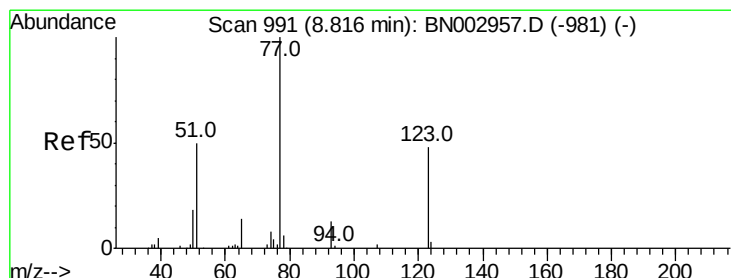
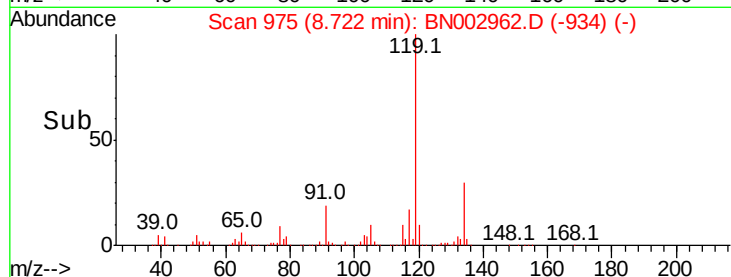
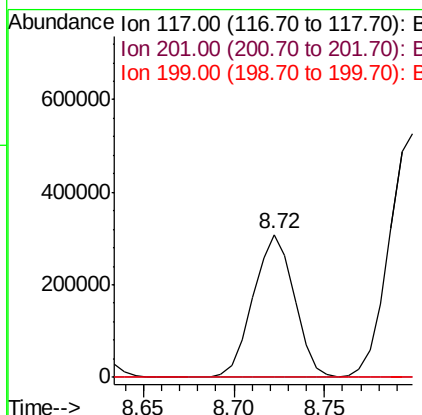
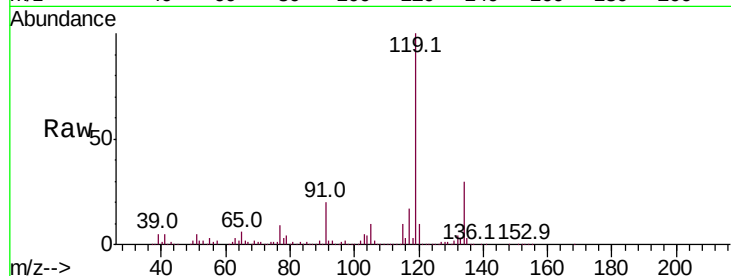




#17
Hexachloroethane
Concen: 118.764 ng/ul
RT: 8.72 min Scan# 975
Delta R.T. 0.04 min
Lab File: BN002962.D
Acq: 05 Oct 2018 12:12

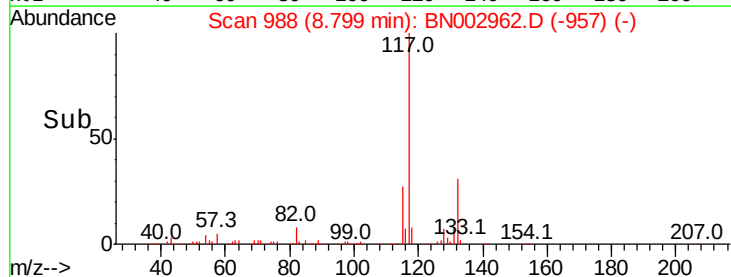
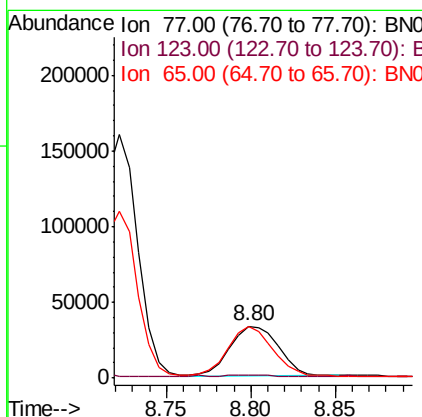
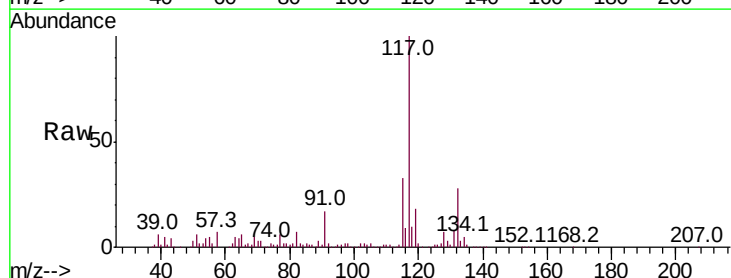
Instrument :
BNA_N
ClientSampleId :

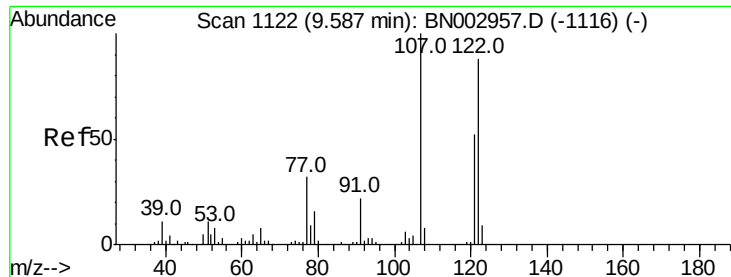
Tot Ion:117 Resp: 487529
Ion Ratio Lower Upper
117 100
201 0.0 84.5 126.7#
199 0.0 51.8 77.8#



#20
Nitrobenzene
Concen: 5.847 ng/ul
RT: 8.80 min Scan# 988
Delta R.T. -0.02 min
Lab File: BN002962.D
Acq: 05 Oct 2018 12:12

Tgt Ion: 77 Resp: 65982
Ion Ratio Lower Upper
77 100
123 4.9 35.8 53.8#
65 100.0 11.1 16.7#





#24

2,4-Dimethylphenol

Concen: 4.036 ng/ul

RT: 9.60 min Scan# 1125

Delta R.T. 0.02 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

Instrument :

BNA_N

ClientSampled :

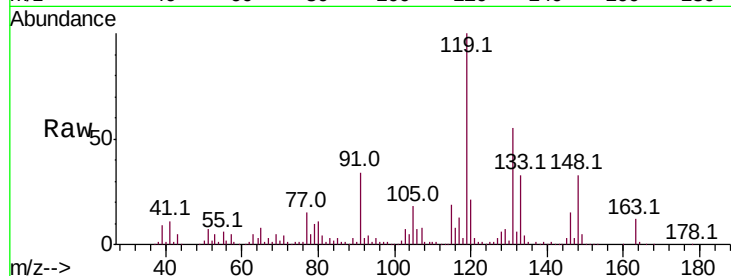
Tot Ion:107 Resp: 45273

Ion Ratio Lower Upper

107 100

121 37.7 38.6 57.8#

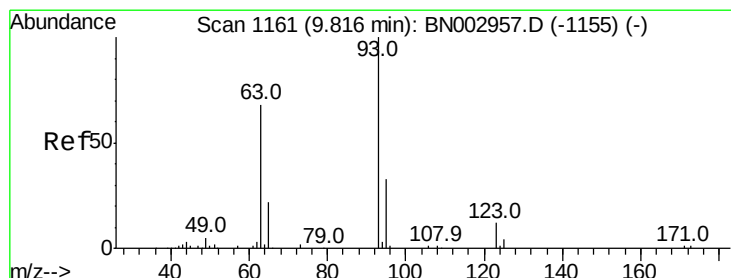
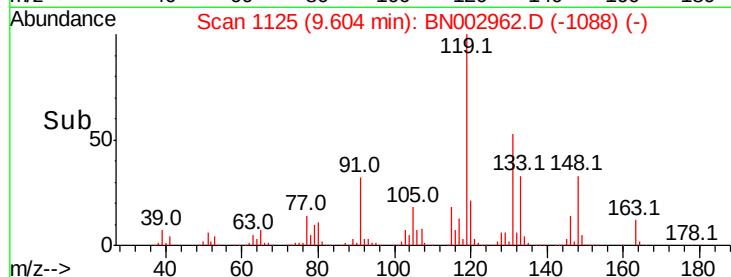
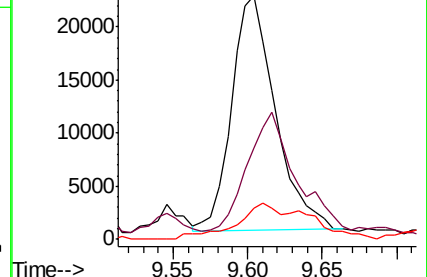
122 12.6 67.8 101.8#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#25

Bis(2-Chloroethoxy)methane

Concen: 1.470 ng/ul

RT: 9.82 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

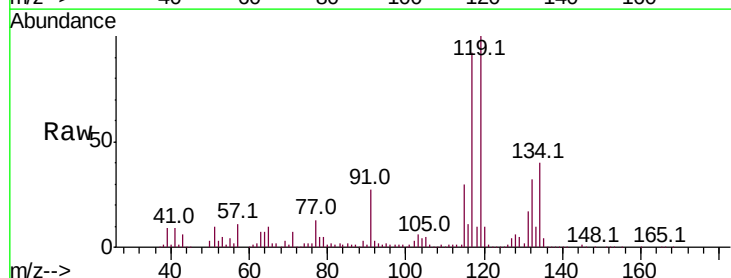
Tgt Ion: 93 Resp: 19252

Ion Ratio Lower Upper

93 100

95 97.3 25.4 38.2#

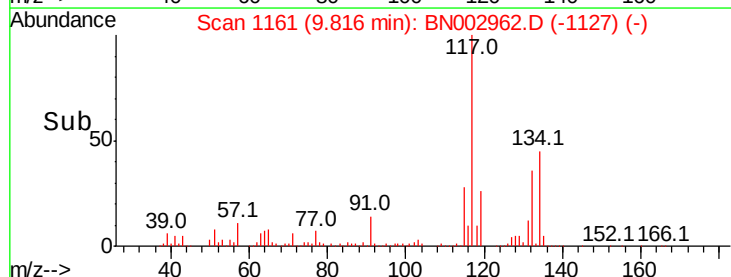
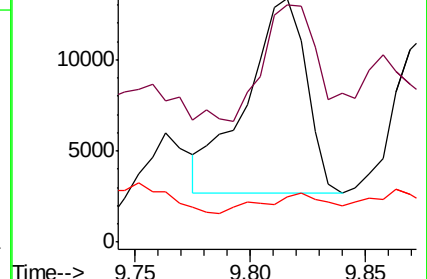
123 18.4 9.1 13.7#

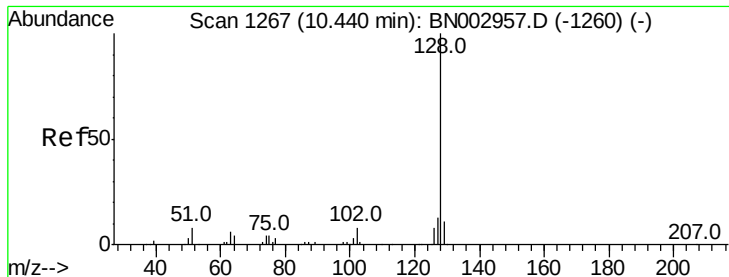


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 95.00 (94.70 to 95.70): BNC

Ion 123.00 (122.70 to 123.70): E





#28

Naphthalene

Concen: 10.051 ng/ul

RT: 10.45 min Scan# 1269

Delta R.T. 0.01 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

Instrument :

BNA_N

ClientSampled :

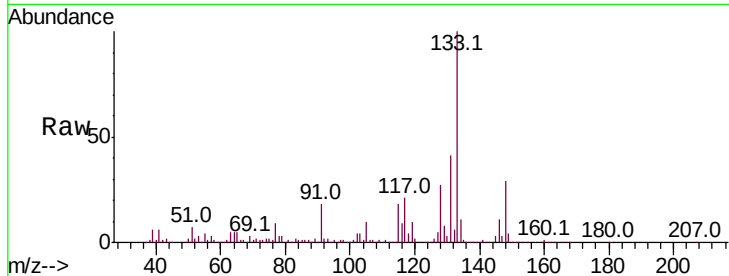
Tot Ion:128 Resp: 324695

Ion Ratio Lower Upper

128 100

129 30.8 8.3 12.5#

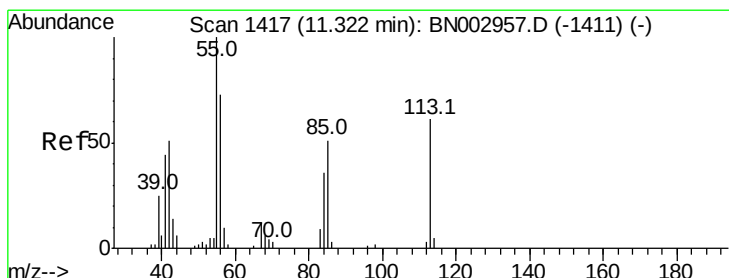
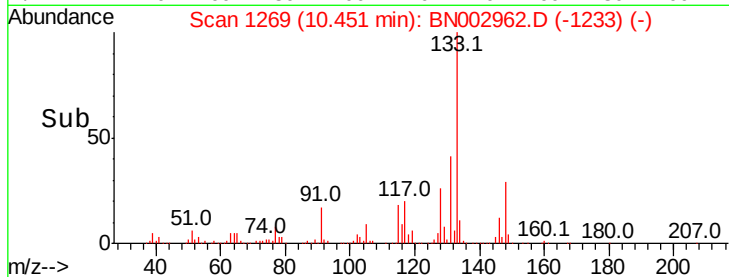
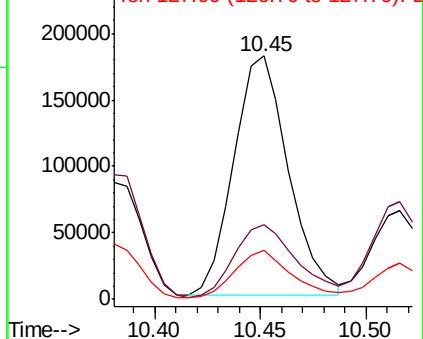
127 19.9 10.5 15.7#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Caprolactam

Concen: 3.338 ng/ul

RT: 11.32 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

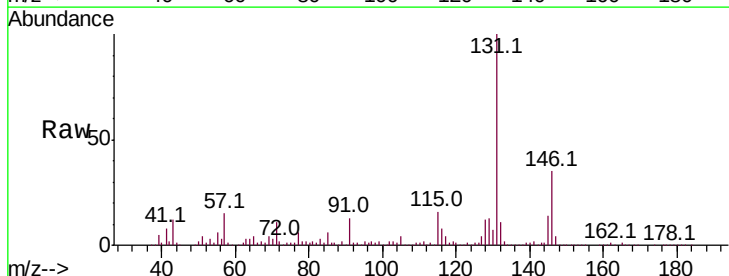
Tgt Ion:113 Resp: 9869

Ion Ratio Lower Upper

113 100

55 581.4 137.0 205.4#

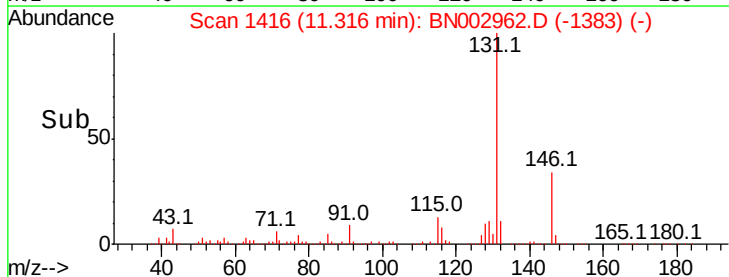
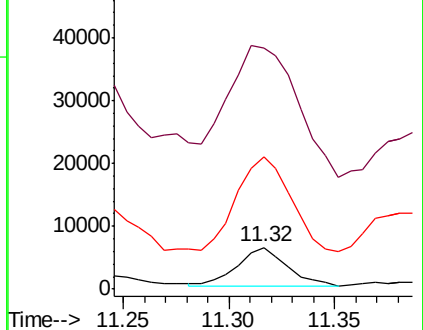
56 318.8 102.4 153.6#

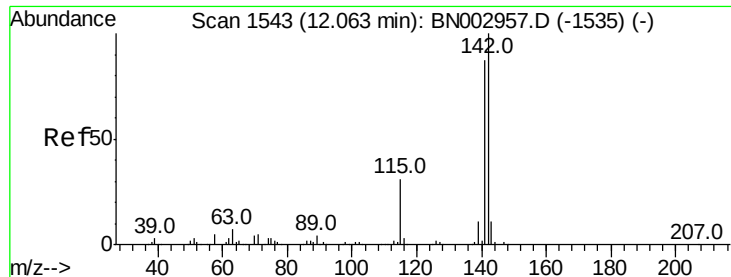


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNC

Ion 56.00 (55.70 to 56.70): BNC

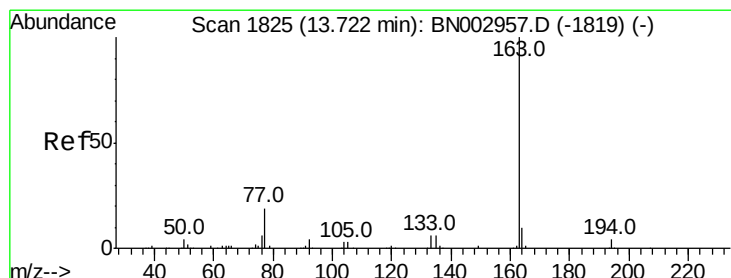
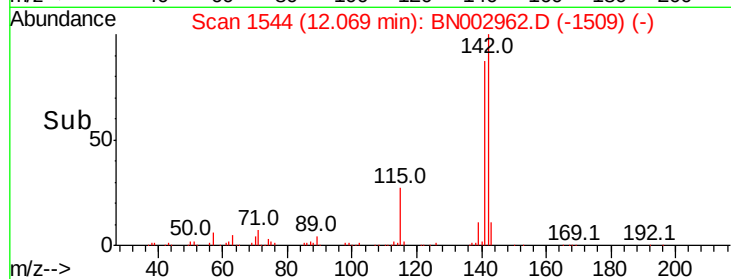
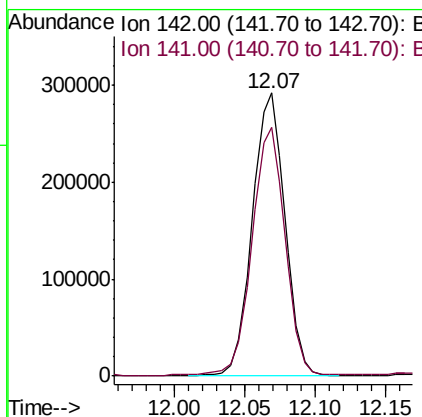
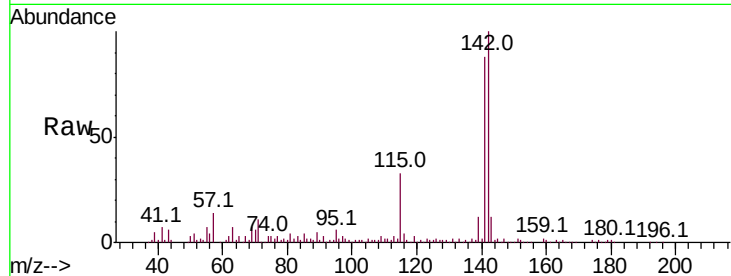




#34
2-Methylnaphthalene
Concen: 20.999 ng/ul
RT: 12.07 min Scan# 1544
Delta R.T. 0.01 min
Lab File: BN002962.D
Acq: 05 Oct 2018 12:12

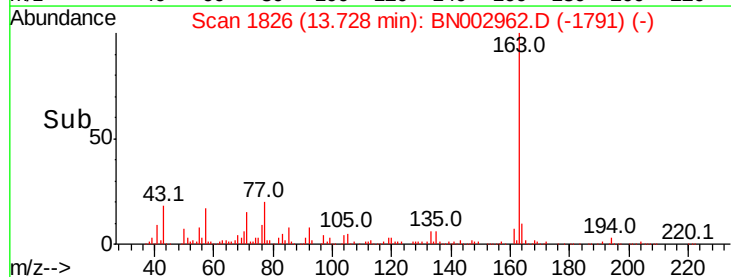
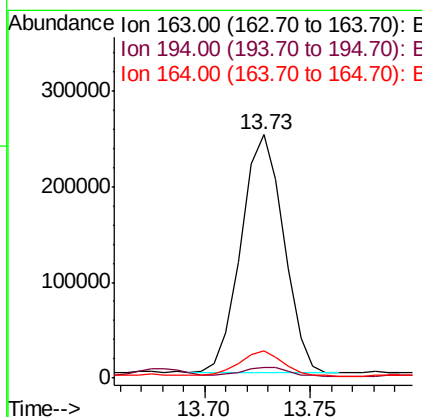
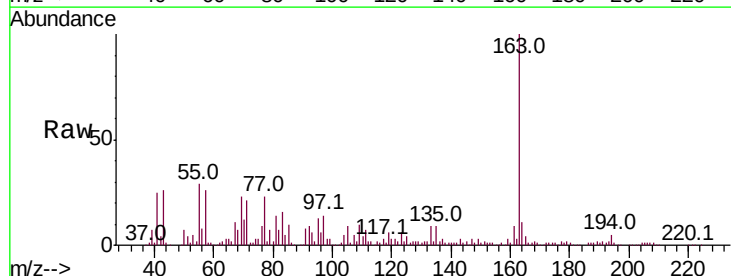
Instrument :
BNA_N
ClientSampleId :

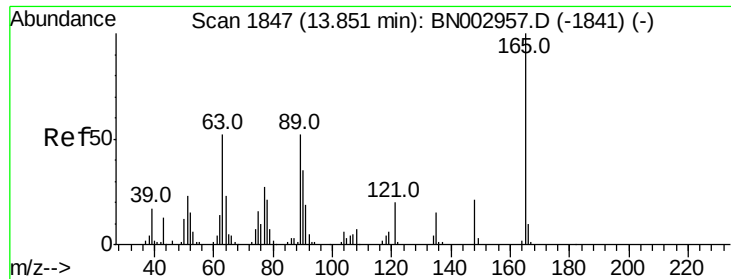
Tot Ion:142 Resp: 474150
Ion Ratio Lower Upper
142 100
141 87.8 71.8 107.8



#44
Dimethylphthalate
Concen: 13.157 ng/ul
RT: 13.73 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BN002962.D
Acq: 05 Oct 2018 12:12

Tgt Ion:163 Resp: 348965
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 11.1 8.1 12.1

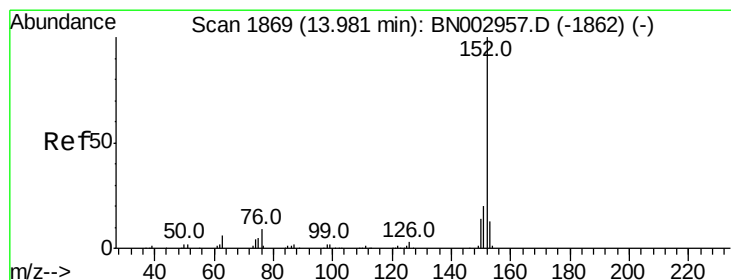
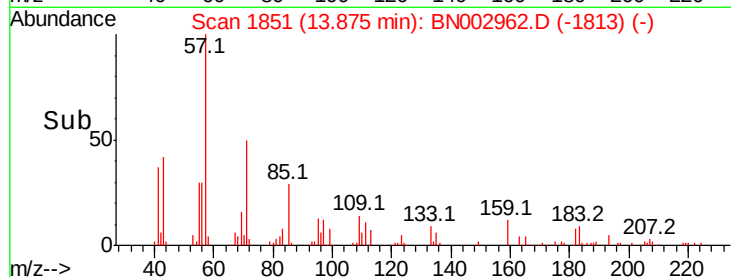
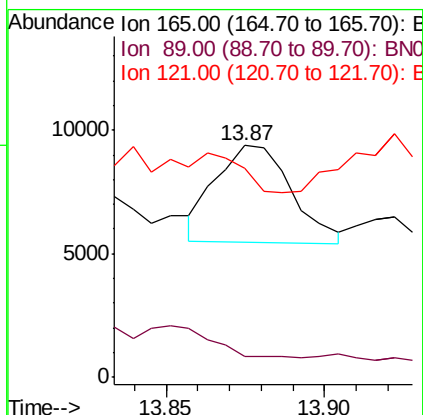
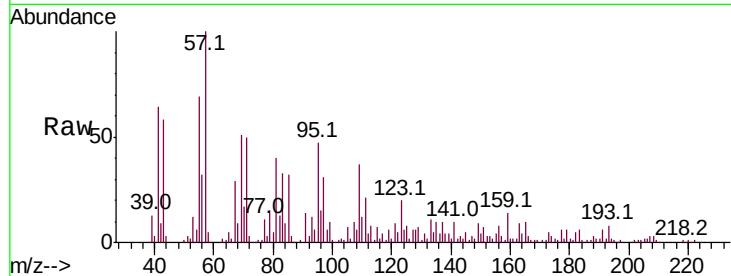




#45
 2,6-Dinitrotoluene
 Concen: 1.209 ng/ul
 RT: 13.87 min Scan# 1851
 Delta R.T. 0.02 min
 Lab File: BN002962.D
 Acq: 05 Oct 2018 12:12

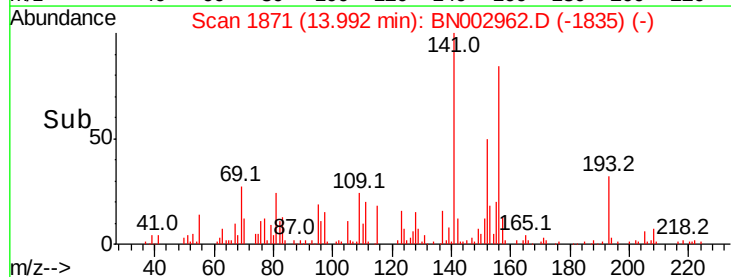
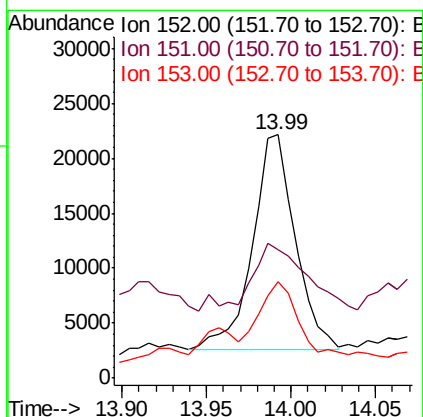
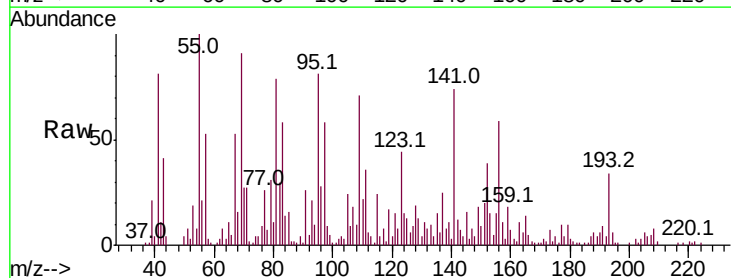
Instrument :
 BNA_N
 ClientSampled :

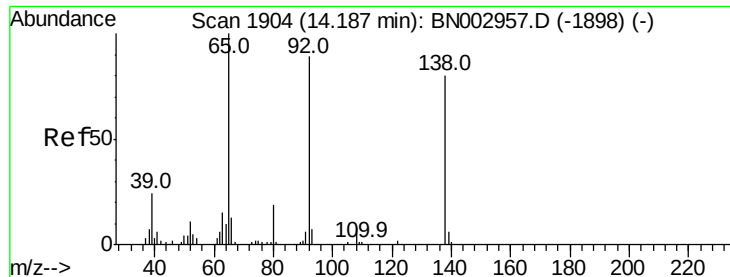
Tot Ion:165 Resp: 6461
 Ion Ratio Lower Upper
 165 100
 89 9.1 41.7 62.5#
 121 89.9 16.6 24.8#



#47
 Acenaphthylene
 Concen: 1.025 ng/ul
 RT: 13.99 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BN002962.D
 Acq: 05 Oct 2018 12:12

Tgt Ion:152 Resp: 34173
 Ion Ratio Lower Upper
 152 100
 151 52.8 16.0 24.0#
 153 39.5 10.6 16.0#





#48

3-Nitroaniline

Concen: 1.401 ng/ul

RT: 14.16 min Scan# 1900

Delta R.T. -0.02 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

Instrument :

BNA_N

ClientSampled :

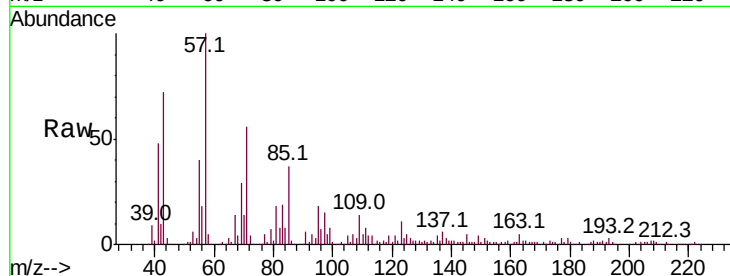
Tot Ion:138 Resp: 7297

Ion Ratio Lower Upper

138 100

108 110.2 8.4 12.6#

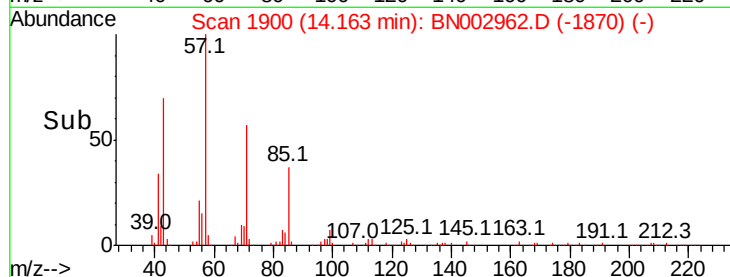
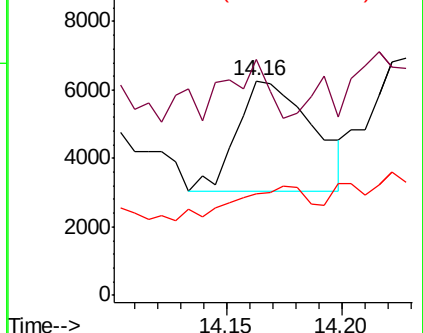
92 47.5 93.4 140.0#



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): BNO



#49

Acenaphthene

Concen: 1.256 ng/ul

RT: 14.33 min Scan# 1929

Delta R.T. 0.01 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

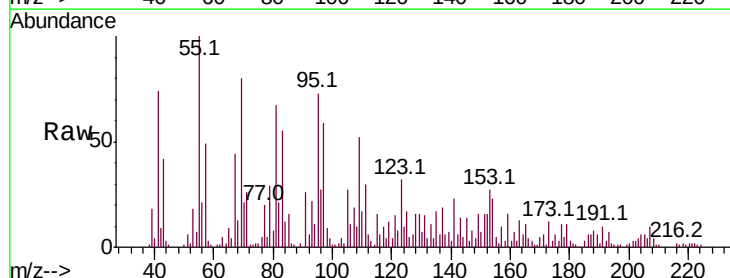
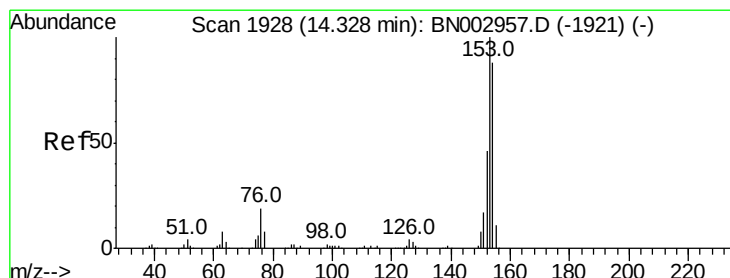
Tgt Ion:153 Resp: 29665

Ion Ratio Lower Upper

153 100

152 59.8 37.8 56.6#

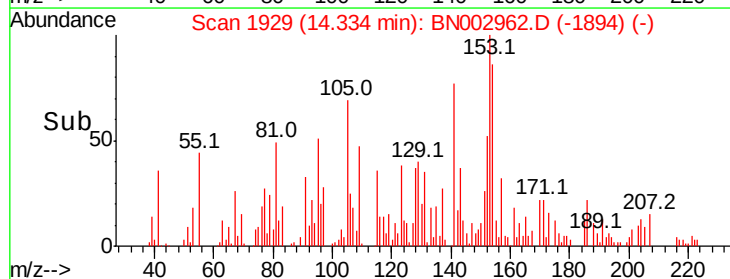
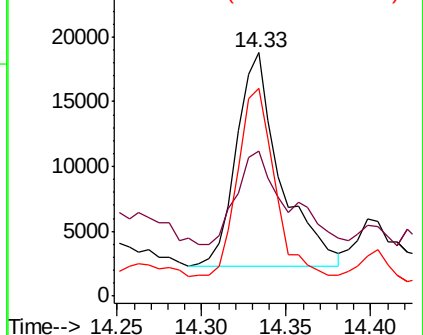
154 85.4 70.9 106.3

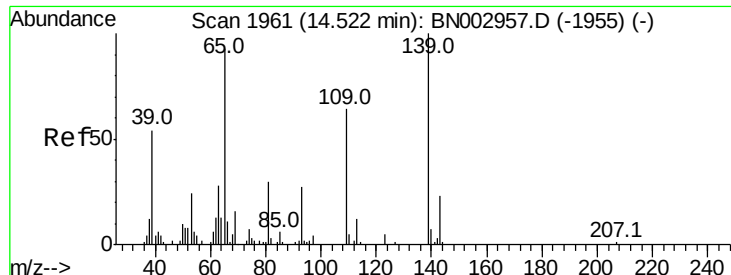


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 1.192 ng/ul

RT: 14.53 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

Instrument :

BNA_N

ClientSampleId :

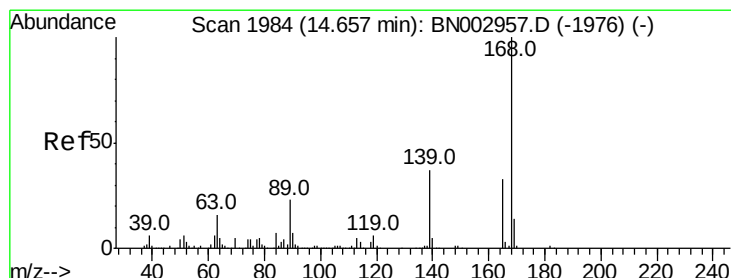
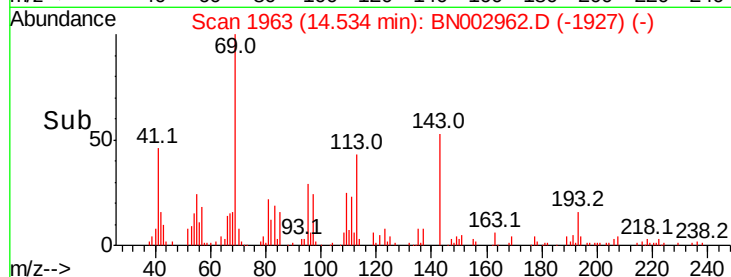
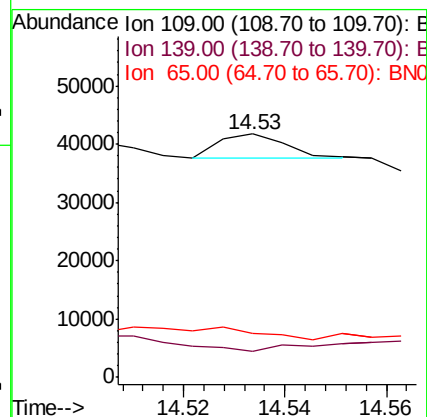
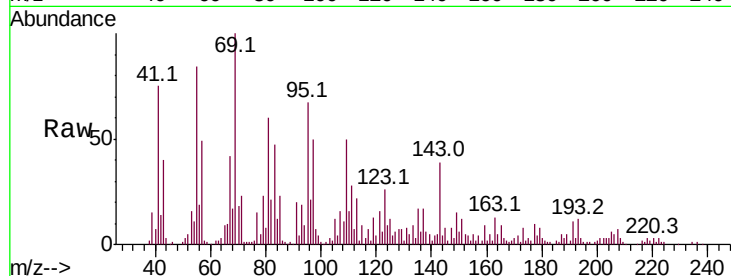
Tot Ion:109 Resp: 3728

Ion Ratio Lower Upper

109 100

139 10.8 116.5 174.7#

65 18.0 116.7 175.1#



#54

2,4-Dinitrotoluene

Concen: 1.361 ng/ul

RT: 14.67 min Scan# 1987

Delta R.T. 0.02 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

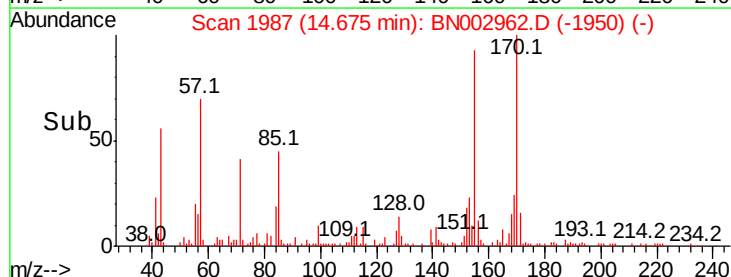
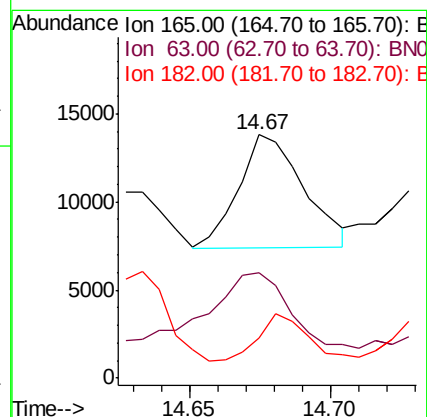
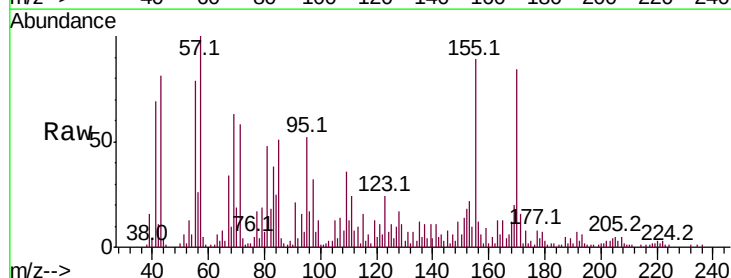
Tgt Ion:165 Resp: 10288

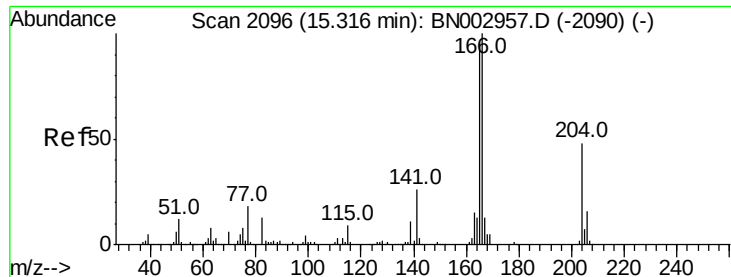
Ion Ratio Lower Upper

165 100

63 43.2 39.0 58.6

182 16.5 2.4 3.6#

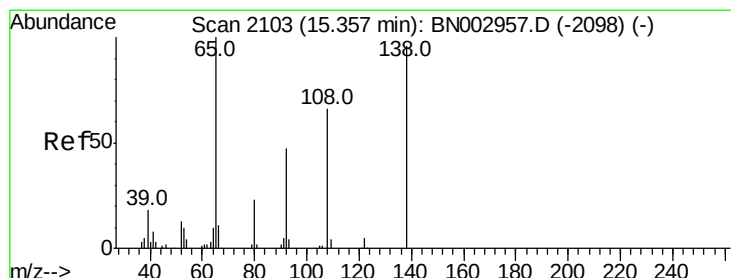
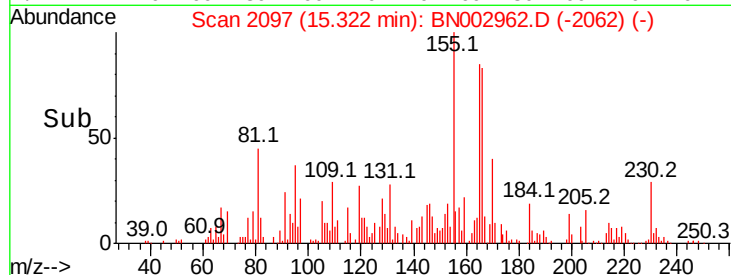
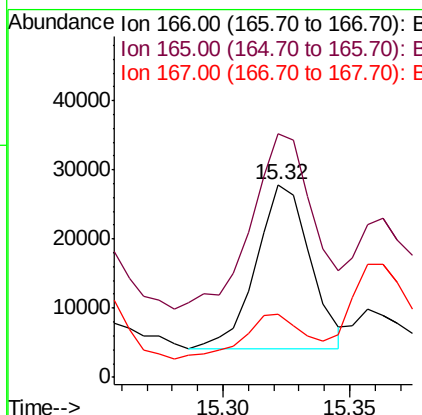
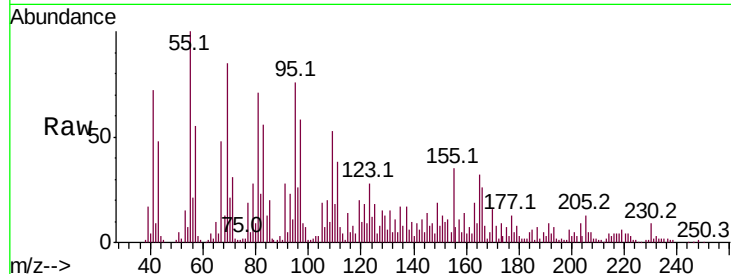




#58
 Fluorene
 Concen: 1.369 ng/ul
 RT: 15.32 min Scan# 2097
 Delta R.T. 0.01 min
 Lab File: BN002962.D
 Acq: 05 Oct 2018 12:12

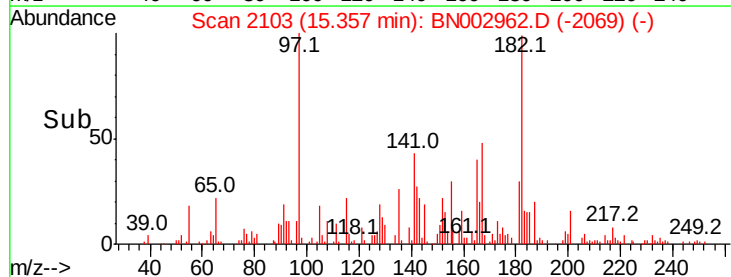
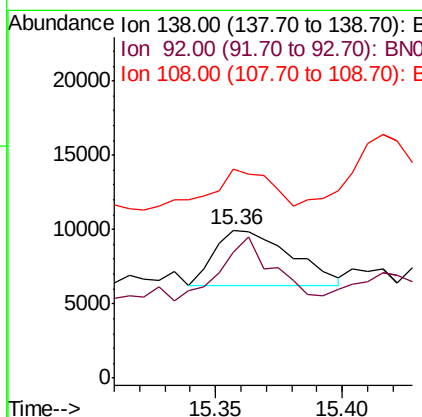
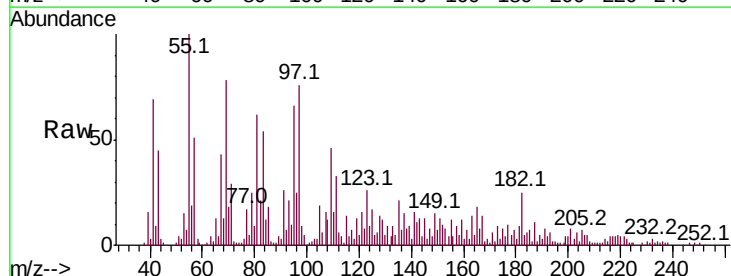
Instrument :
 BNA_N
 ClientSampled :

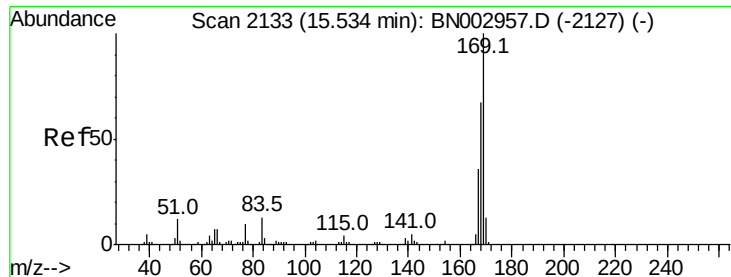
Tot Ion:166 Resp: 35611
 Ion Ratio Lower Upper
 166 100
 165 126.2 78.3 117.5#
 167 32.6 11.0 16.6#



#60
 4-Nitroaniline
 Concen: 1.416 ng/ul
 RT: 15.36 min Scan# 2103
 Delta R.T. 0.00 min
 Lab File: BN002962.D
 Acq: 05 Oct 2018 12:12

Tgt Ion:138 Resp: 7822
 Ion Ratio Lower Upper
 138 100
 92 85.3 40.8 61.2#
 108 141.7 57.4 86.2#



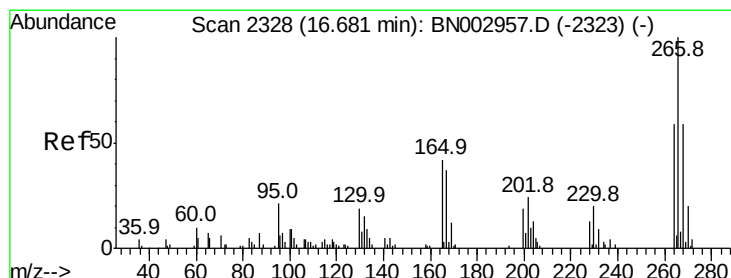
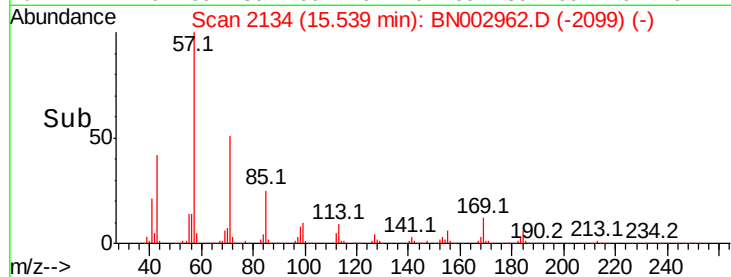
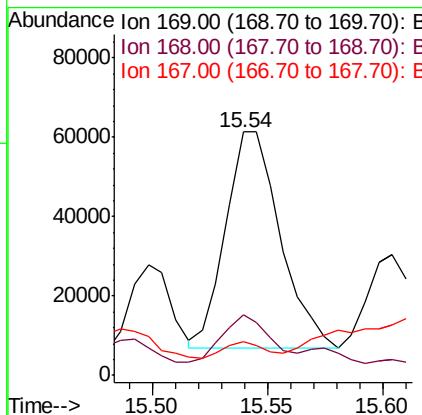
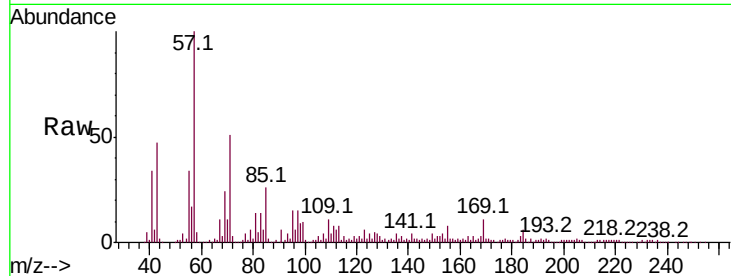


#64

N-Nitrosodiphenylamine
 Concen: 4.533 ng/ul
 RT: 15.54 min Scan# 2134
 Delta R.T. 0.01 min
 Lab File: BN002962.D
 Acq: 05 Oct 2018 12:12

Instrument :
 BNA_N
 ClientSampleId :

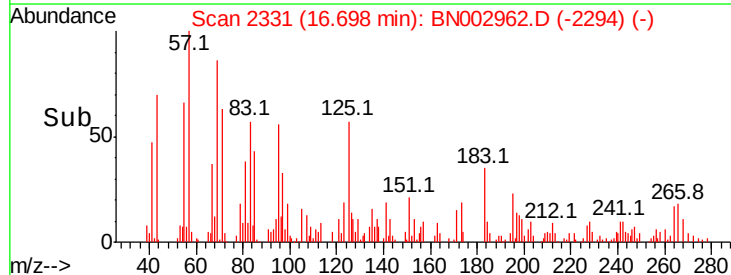
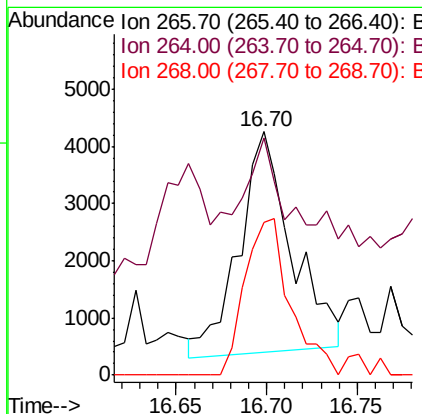
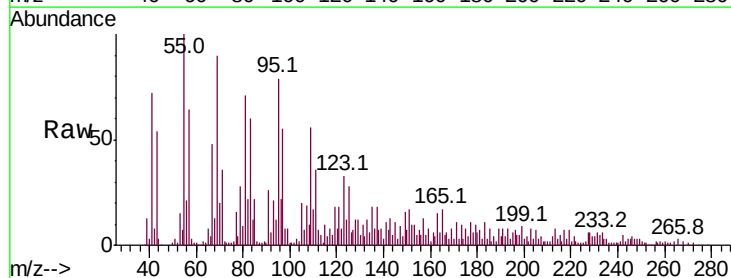
Tot Ion:169 Resp: 89922
 Ion Ratio Lower Upper
 169 100
 168 25.1 53.8 80.6#
 167 14.0 28.6 42.8#

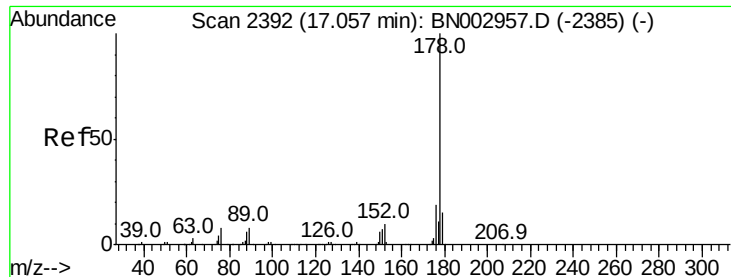


#68

Pentachlorophenol
 Concen: 2.208 ng/ul
 RT: 16.70 min Scan# 2331
 Delta R.T. 0.02 min
 Lab File: BN002962.D
 Acq: 05 Oct 2018 12:12

Tgt Ion:266 Resp: 7872
 Ion Ratio Lower Upper
 266 100
 264 97.4 49.9 74.9#
 268 62.8 52.6 79.0





#69

Phenanthrene

Concen: 6.453 ng/ul

RT: 17.07 min Scan# 2394

Delta R.T. 0.01 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

Instrument :

BNA_N

ClientSampleId :

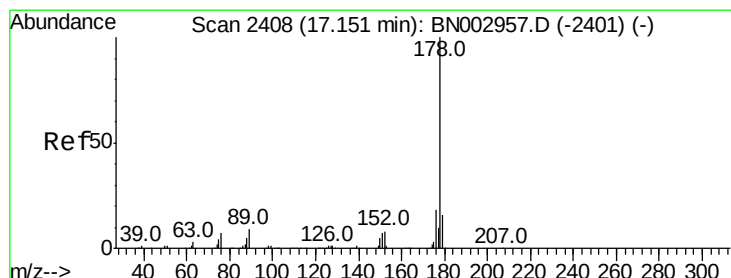
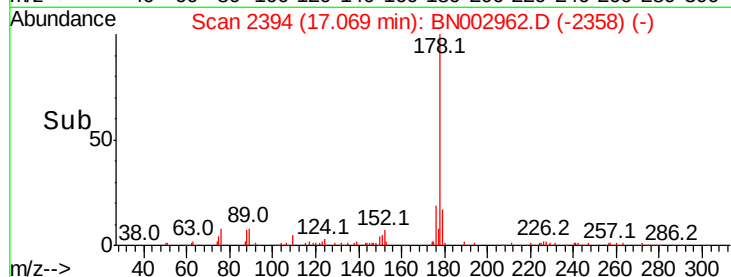
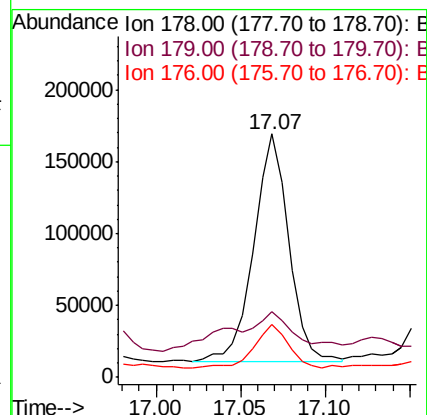
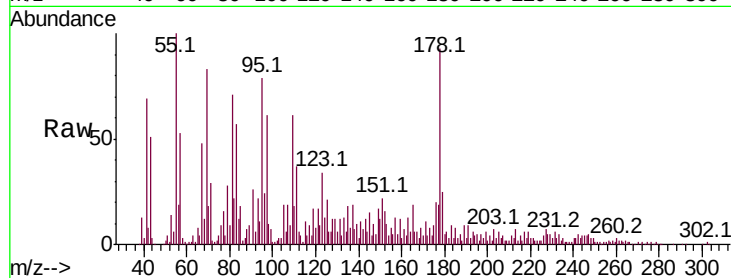
Tot Ion:178 Resp: 227289

Ion Ratio Lower Upper

178 100

179 26.9 12.2 18.4#

176 21.5 15.0 22.6



#71

Anthracene

Concen: 1.041 ng/ul

RT: 17.16 min Scan# 2409

Delta R.T. 0.01 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

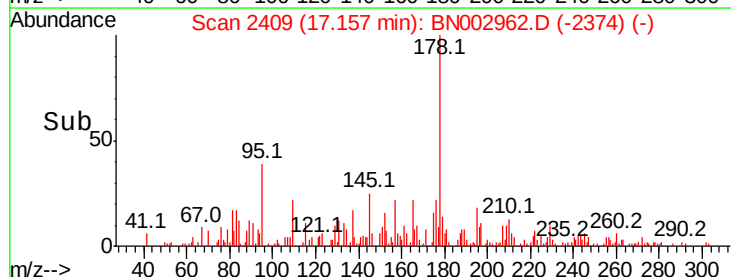
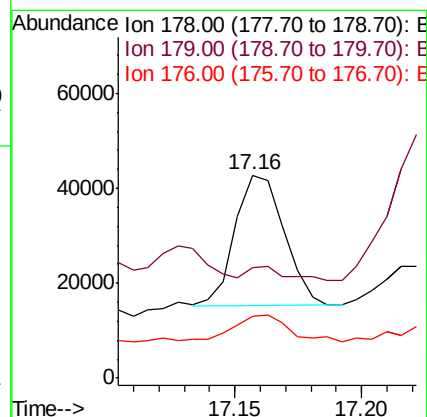
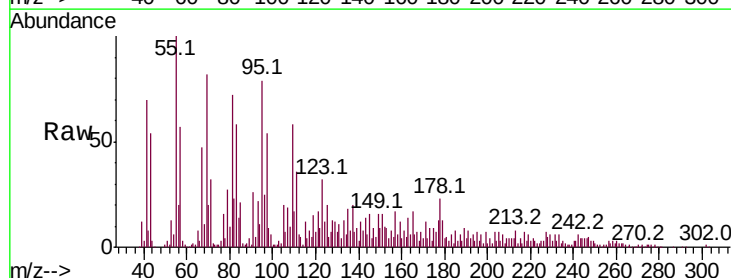
Tgt Ion:178 Resp: 37179

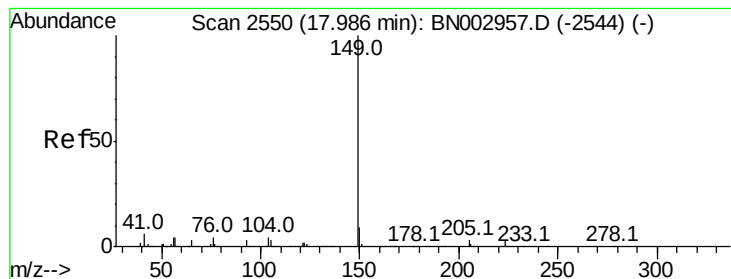
Ion Ratio Lower Upper

178 100

179 54.7 12.0 18.0#

176 30.6 15.0 22.4#





#75

Di-n-butylphthalate

Concen: 38.978 ng/ul

RT: 18.00 min Scan# 2552

Delta R.T. 0.01 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

Instrument :

BNA_N

ClientSampleId :

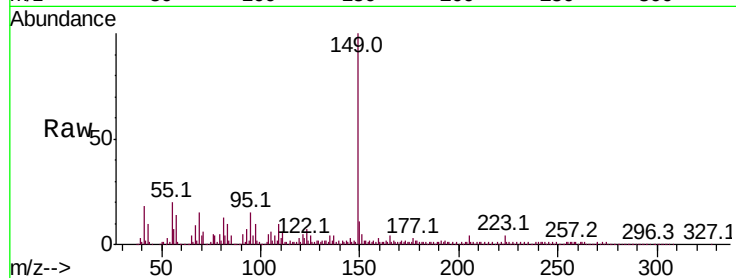
Tot Ion:149 Resp: 1433182

Ion Ratio Lower Upper

149 100

150 10.6 7.3 10.9

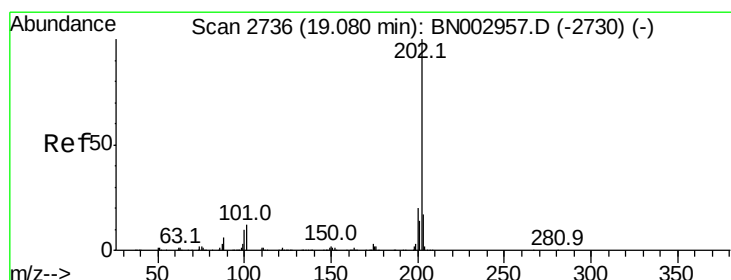
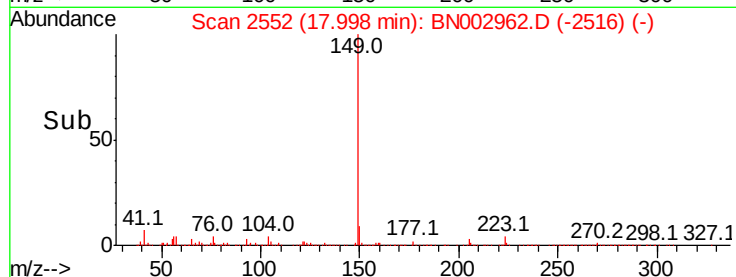
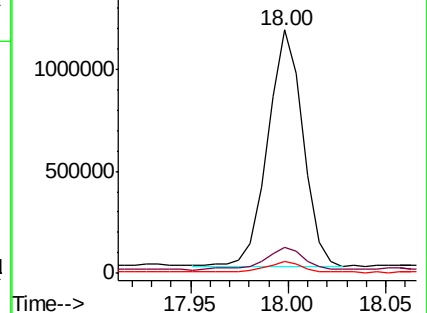
104 4.8 3.7 5.5



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



#76

Fluoranthene

Concen: 8.784 ng/ul

RT: 19.10 min Scan# 2739

Delta R.T. 0.02 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

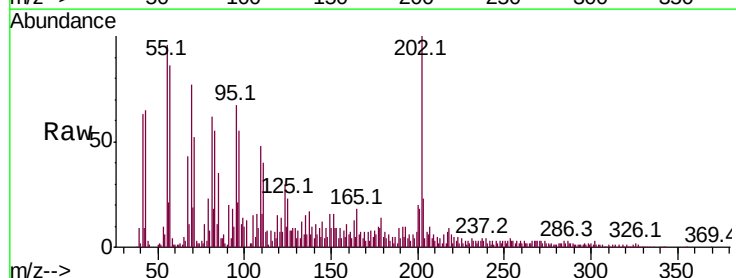
Tgt Ion:202 Resp: 330013

Ion Ratio Lower Upper

202 100

101 12.5 9.4 14.2

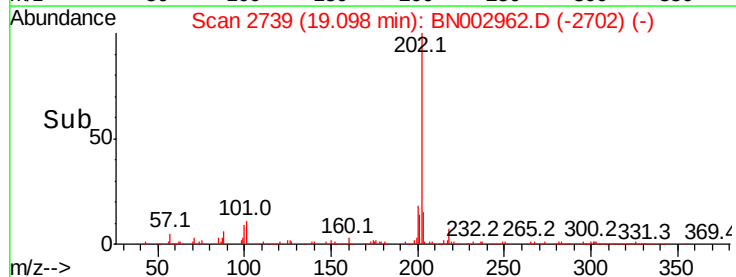
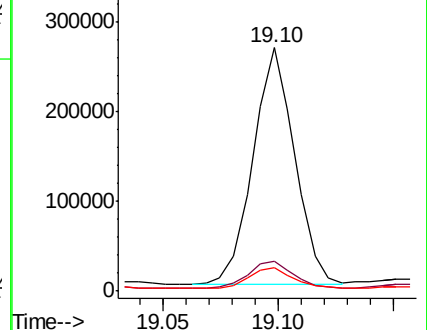
100 9.6 7.0 10.6

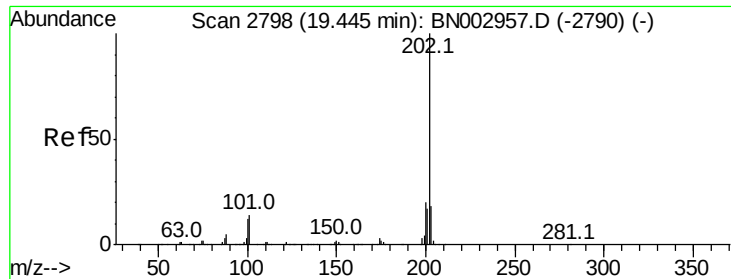


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

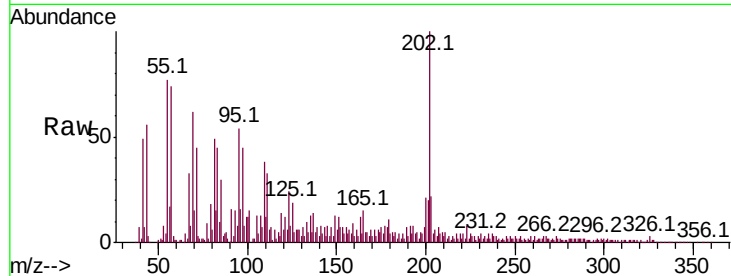




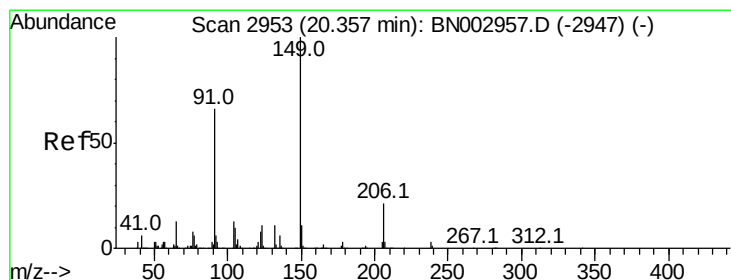
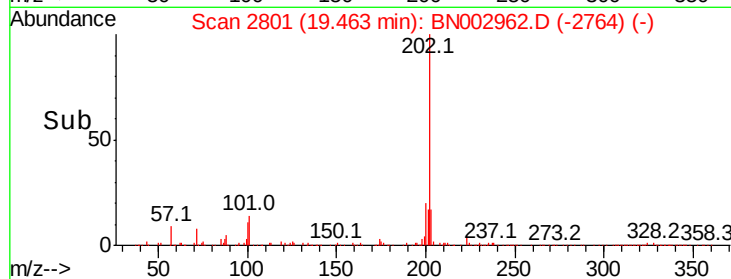
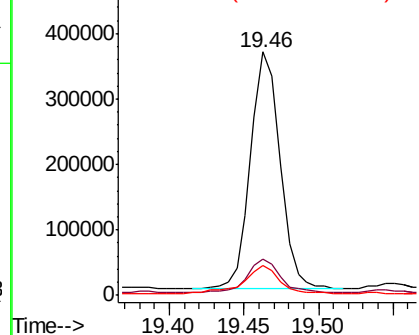
#79
Pvrene
Concen: 15.073 ng/ul
RT: 19.46 min Scan# 2801
Delta R.T. 0.02 min
Lab File: BN002962.D
Acq: 05 Oct 2018 12:12

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.1	10.8	16.2
100	12.1	8.2	12.2

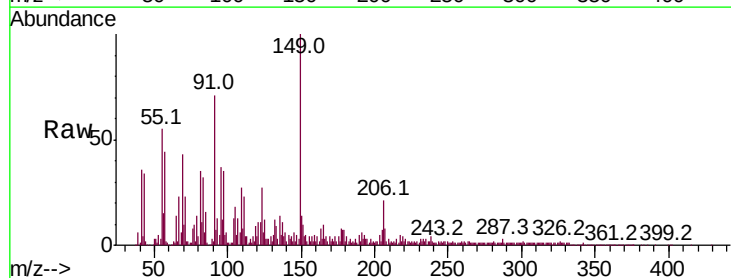


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

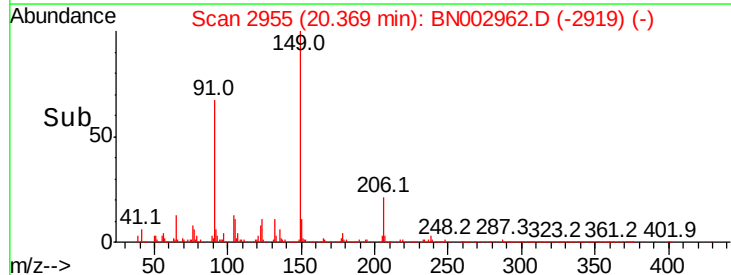
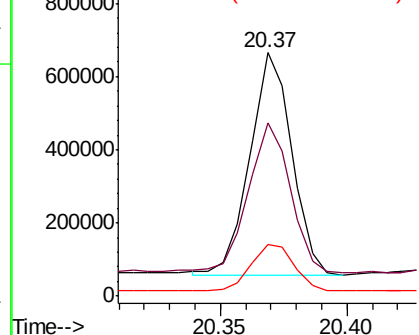


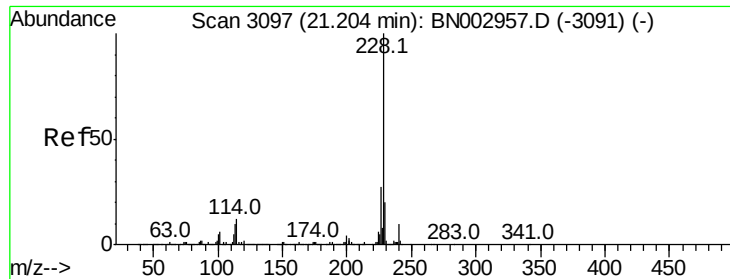
#80
Butylbenzylphthalate
Concen: 50.106 ng/ul
RT: 20.37 min Scan# 2955
Delta R.T. 0.01 min
Lab File: BN002962.D
Acq: 05 Oct 2018 12:12

Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.3	56.3	84.5
206	21.2	16.8	25.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): B
Ion 206.00 (205.70 to 206.70): E





#82

Benzo(a)anthracene

Concen: 4.831 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. 0.02 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

Instrument :

BNA_N

ClientSampled :

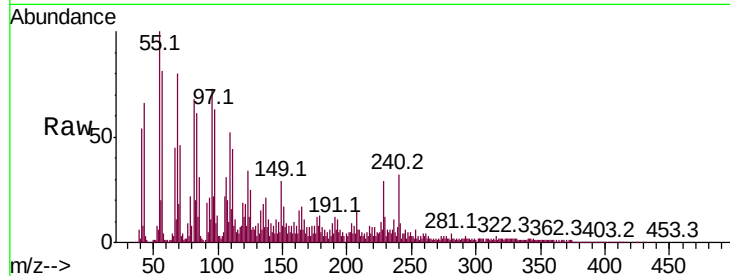
Tot Ion:228 Resp: 151064

Ion Ratio Lower Upper

228 100

229 40.5 15.8 23.6#

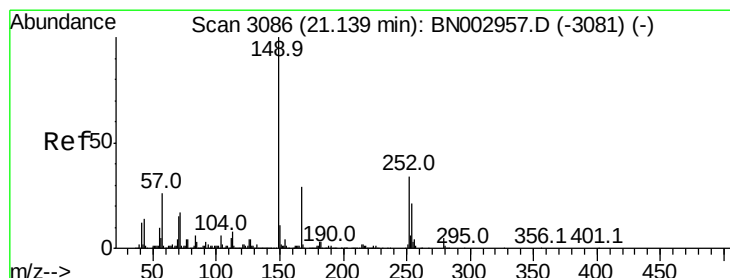
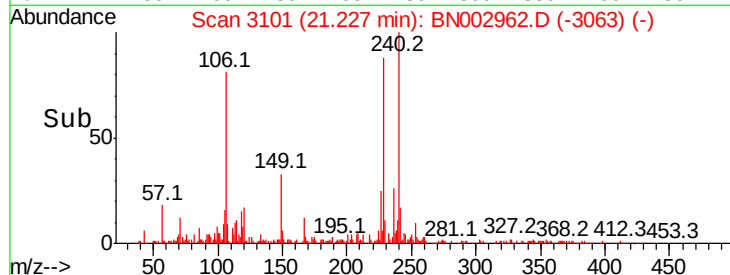
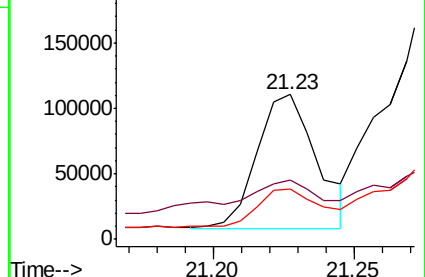
226 34.5 20.9 31.3#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 67.947 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. 0.02 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

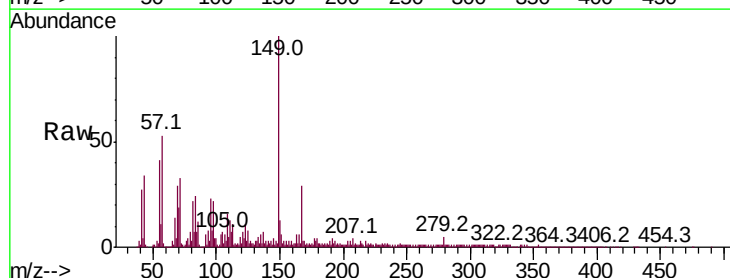
Tgt Ion:149 Resp: 1364344

Ion Ratio Lower Upper

149 100

167 29.4 22.0 33.0

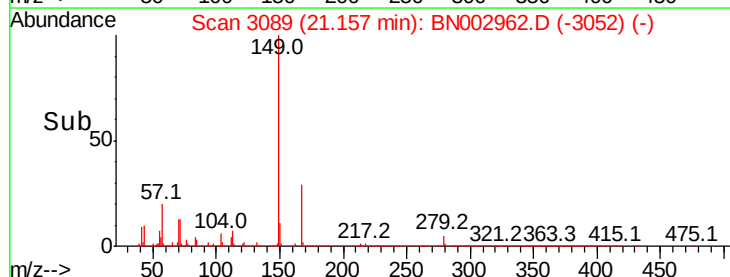
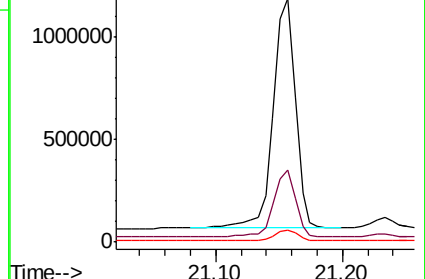
279 5.1 3.3 4.9#

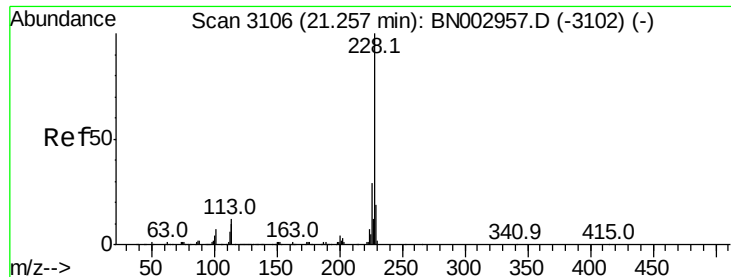


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 10.561 ng/ul

RT: 21.27 min Scan# 3109

Delta R.T. 0.02 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

Instrument :

BNA_N

ClientSampleId :

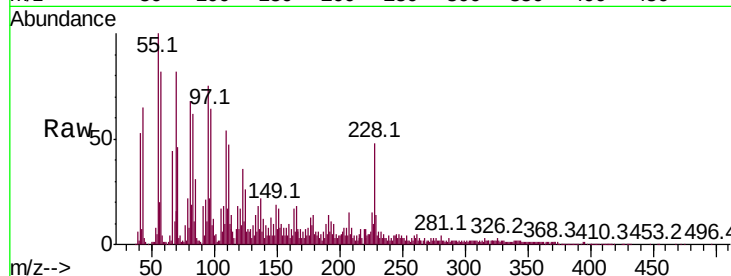
Tot Ion:228 Resp: 309556

Ion Ratio Lower Upper

228 100

226 31.9 23.4 35.0

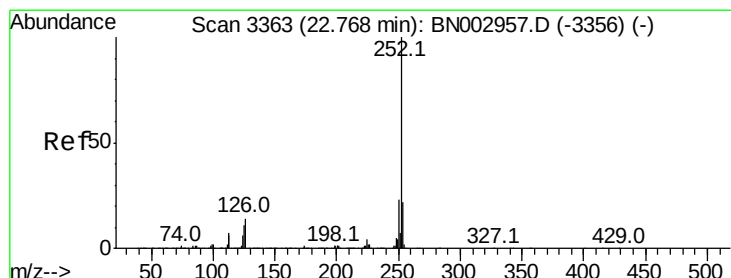
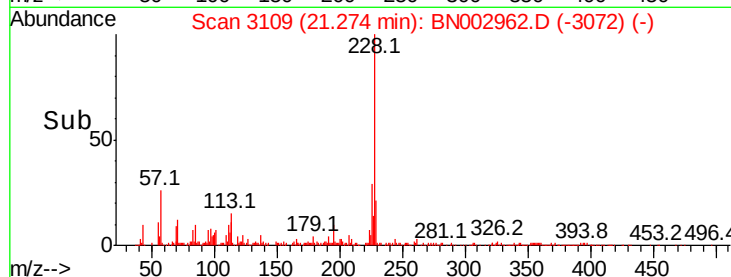
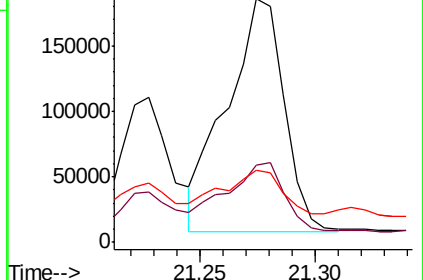
229 29.7 15.7 23.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 15.631 ng/ul

RT: 22.81 min Scan# 3370

Delta R.T. 0.04 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

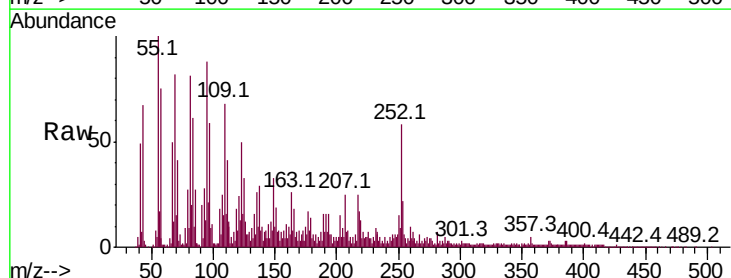
Tgt Ion:252 Resp: 505289

Ion Ratio Lower Upper

252 100

253 38.5 17.0 25.4#

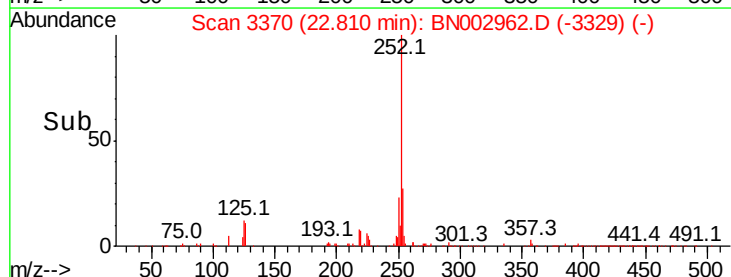
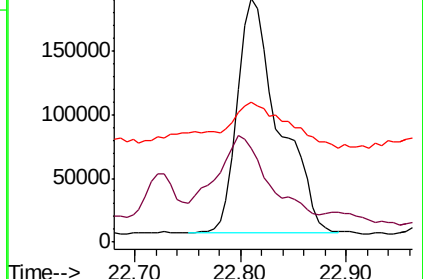
125 57.6 8.0 12.0#

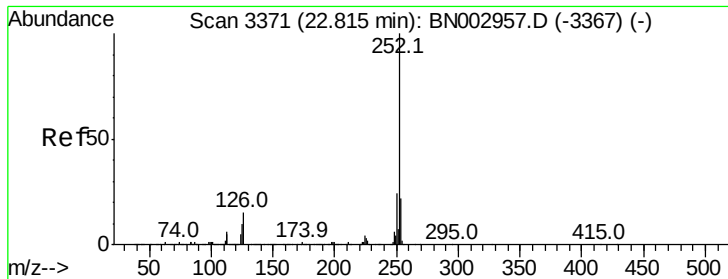


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 16.755 ng/ul

RT: 22.81 min Scan# 3370

Delta R.T. -0.01 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

Instrument :

BNA_N

ClientSampleId :

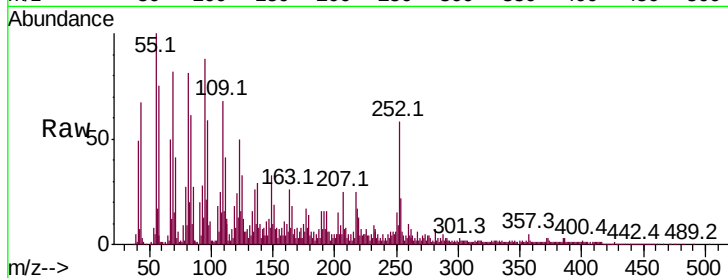
Tot Ion:252 Resp: 505289

Ion Ratio Lower Upper

252 100

253 38.5 17.8 26.8#

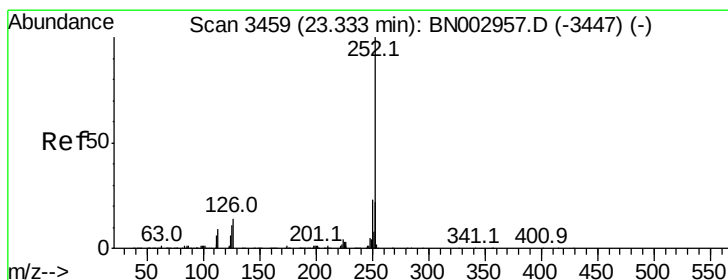
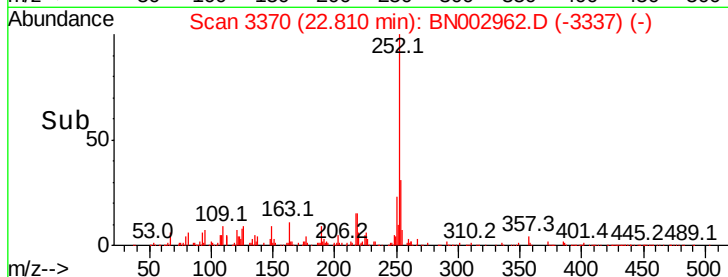
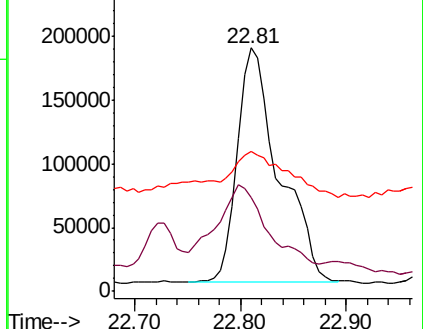
125 57.6 8.3 12.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 8.184 ng/ul

RT: 23.39 min Scan# 3468

Delta R.T. 0.05 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

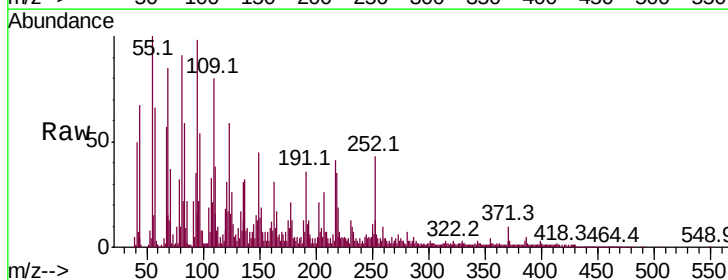
Tgt Ion:252 Resp: 250093

Ion Ratio Lower Upper

252 100

253 30.5 17.6 26.4#

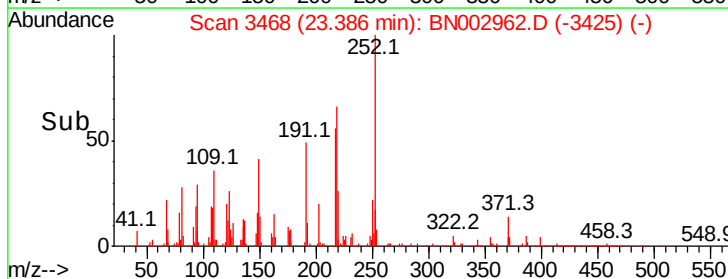
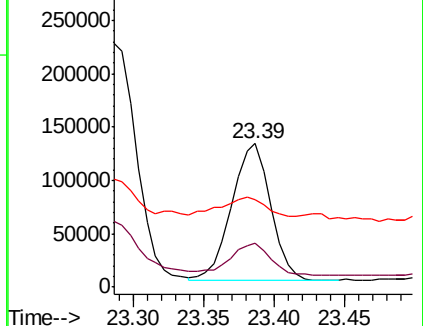
125 61.2 8.8 13.2#

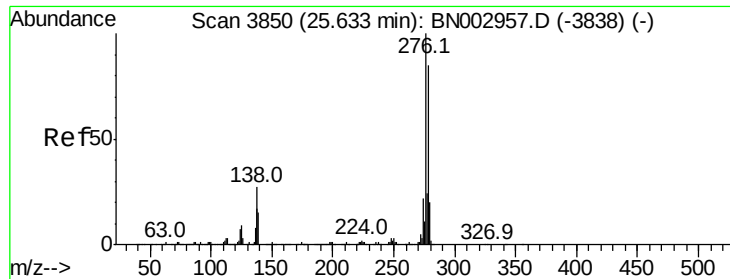


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



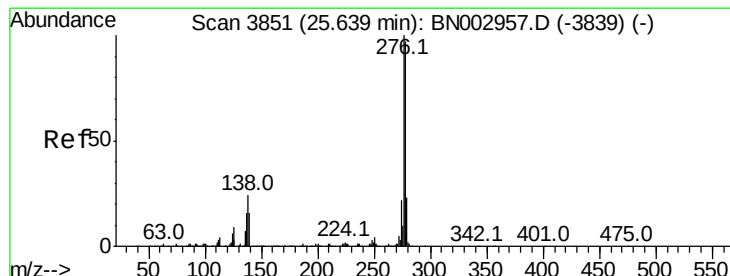
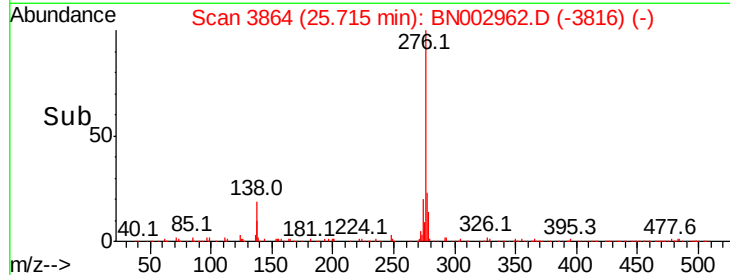
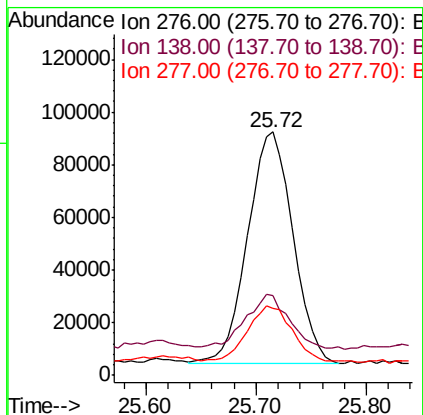
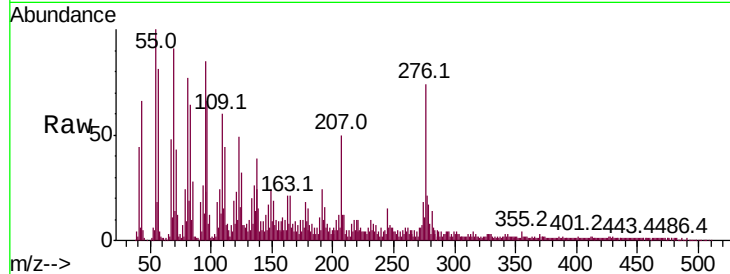


#91

Indeno(1,2,3-cd)pyrene
Concen: 7.011 ng/ul
RT: 25.72 min Scan# 3864
Delta R.T. 0.08 min
Lab File: BN002962.D
Acq: 05 Oct 2018 12:12

Instrument :
BNA_N
ClientSampleId :

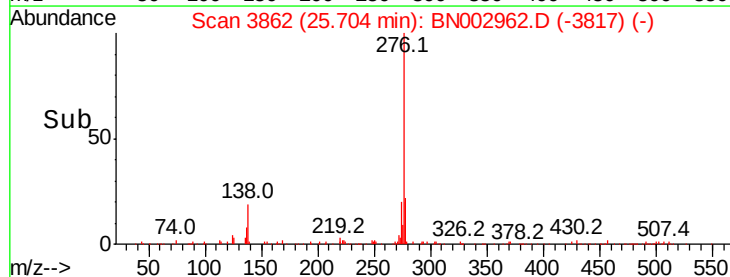
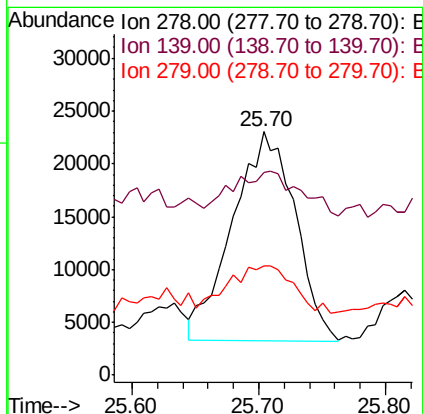
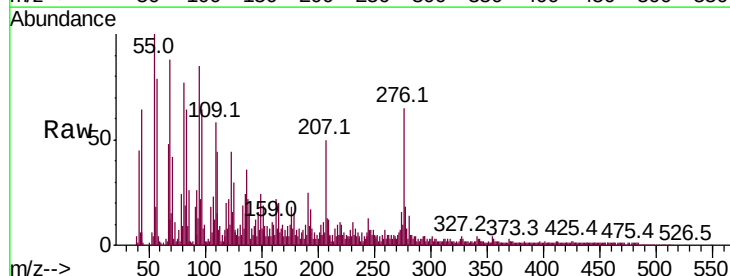
Tot Ion	Ratio	Lower	Upper
276	100		
138	32.8	20.2	30.4#
277	27.7	20.0	30.0

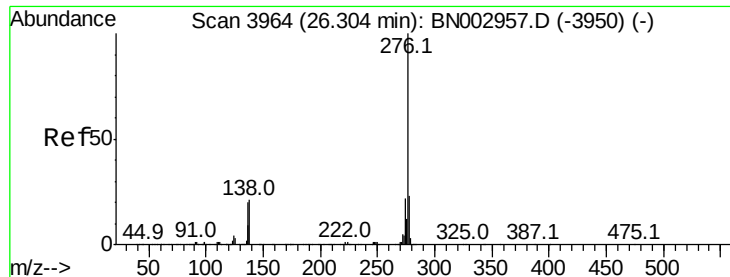


#92

Dibenzo(a,h)anthracene
Concen: 2.225 ng/ul
RT: 25.70 min Scan# 3862
Delta R.T. 0.06 min
Lab File: BN002962.D
Acq: 05 Oct 2018 12:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	83.0	12.7	19.1#
279	44.8	18.7	28.1#





#93

Benzo(a,h,i)perylene

Concen: 13.292 ng/ul

RT: 26.40 min Scan# 3980

Delta R.T. 0.09 min

Lab File: BN002962.D

Acq: 05 Oct 2018 12:12

Instrument :

BNA_N

ClientSampleId :

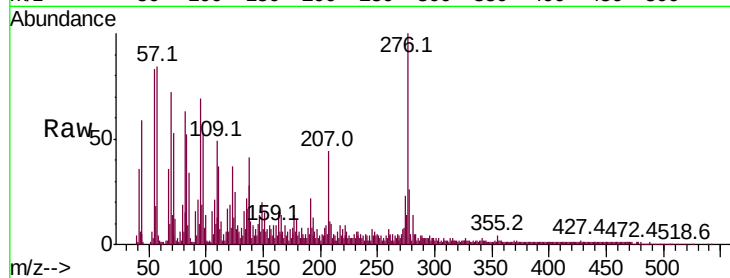
Tot Ion:276 Resp: 402009

Ion Ratio Lower Upper

276 100

138 28.1 18.2 27.2#

277 26.2 18.6 28.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

150000

100000

50000

0

26.30 26.40 26.50

Time-->

